

Pantheon Report

Generated at 2018-08-09 19:51:48 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

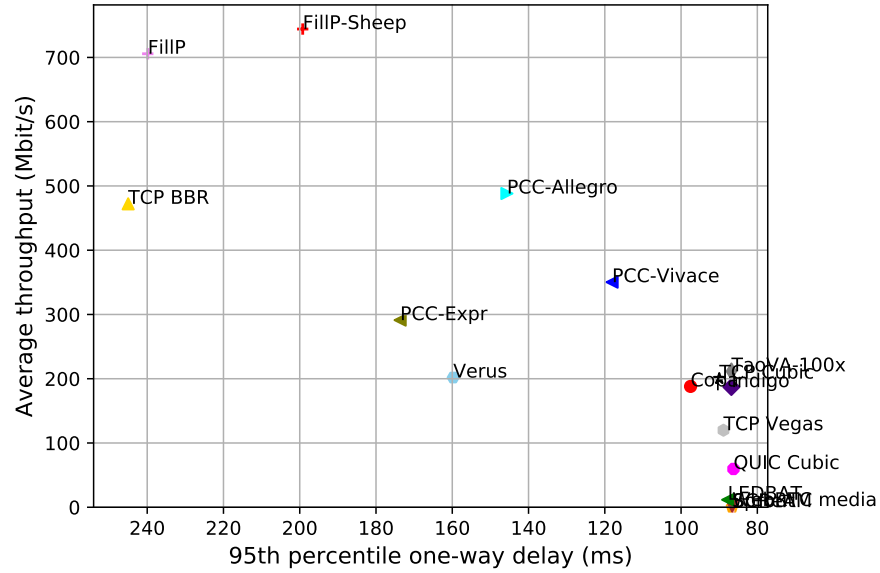
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

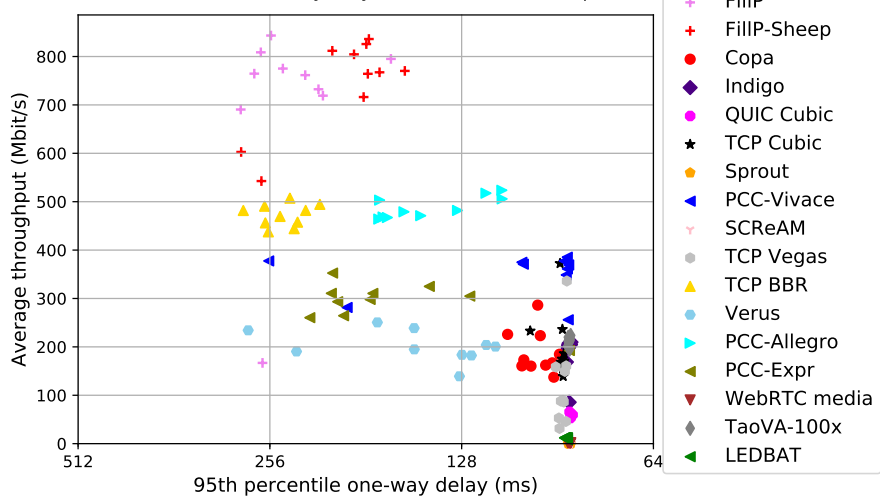
Git summary:

```
branch: master @ 7772df3413f4b07ba0096dfdd8e9d4c6dca623e3
third_party/llp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/llp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e562f4
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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from GCE Iowa to GCE Sydney, 10 runs of 30s each per 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	472.18	244.99	2.31
Copa	10	188.06	97.51	0.60
TCP Cubic	10	200.22	89.98	0.78
FillP	10	705.71	239.85	3.81
FillP-Sheep	10	744.18	199.22	2.27
Indigo	9	186.96	86.81	0.64
LEDBAT	10	11.64	87.79	1.12
PCC-Allegro	10	488.21	145.67	1.42
PCC-Expr	10	291.20	173.68	2.17
QUIC Cubic	4	59.59	86.26	0.92
SCReAM	10	0.22	86.38	0.54
Sprout	10	0.26	86.63	0.68
TaoVA-100x	10	211.47	86.80	0.61
TCP Vegas	10	119.86	88.89	0.50
Verus	10	201.85	159.76	1.79
PCC-Vivace	10	350.27	118.10	0.81
WebRTC media	9	1.91	86.59	0.62

Run 1: Statistics of TCP BBR

Start at: 2018-08-09 14:22:23

End at: 2018-08-09 14:22:53

Local clock offset: -0.035 ms

Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-08-09 18:11:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 494.52 Mbit/s

95th percentile per-packet one-way delay: 213.694 ms

Loss rate: 1.79%

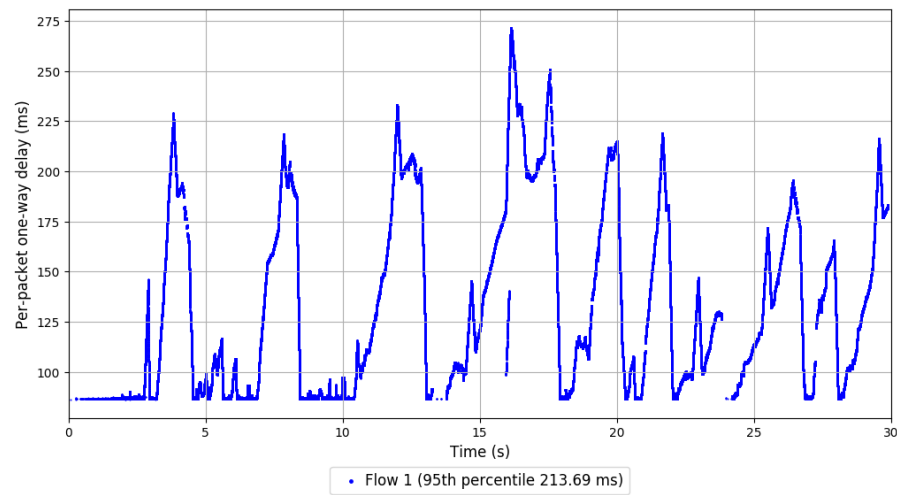
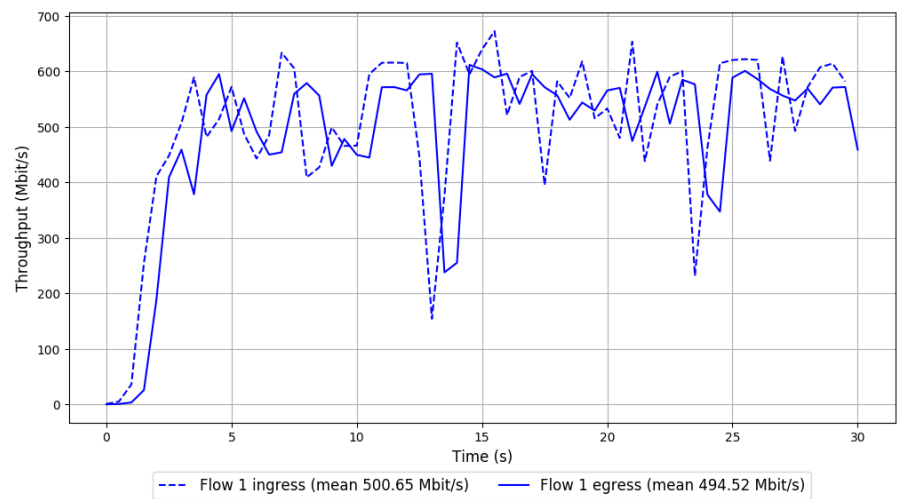
-- Flow 1:

Average throughput: 494.52 Mbit/s

95th percentile per-packet one-way delay: 213.694 ms

Loss rate: 1.79%

Run 1: Report of TCP BBR — Data Link

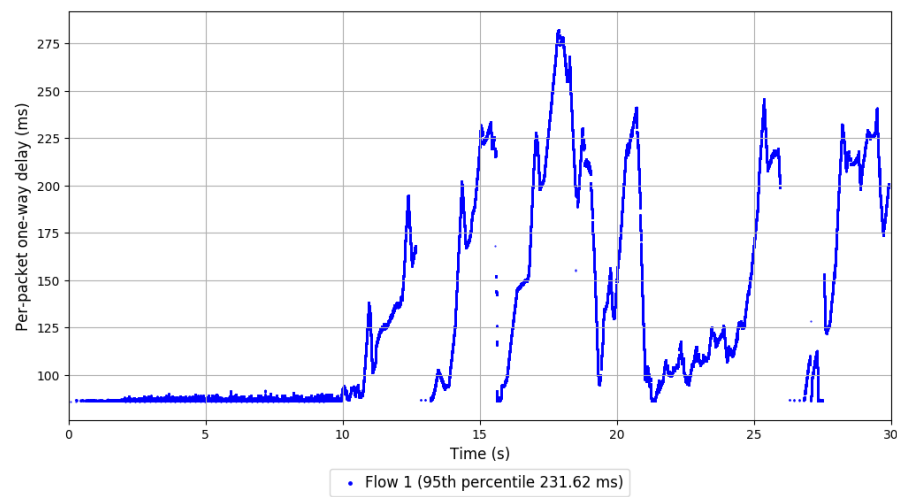
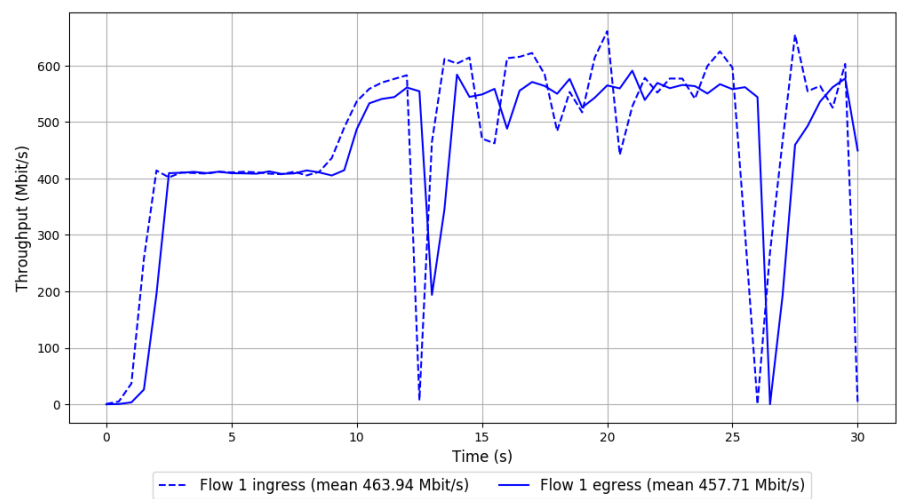


Run 2: Statistics of TCP BBR

Start at: 2018-08-09 14:45:27
End at: 2018-08-09 14:45:57
Local clock offset: -0.118 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-08-09 18:11:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 457.71 Mbit/s
95th percentile per-packet one-way delay: 231.624 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 457.71 Mbit/s
95th percentile per-packet one-way delay: 231.624 ms
Loss rate: 1.91%

Run 2: Report of TCP BBR — Data Link

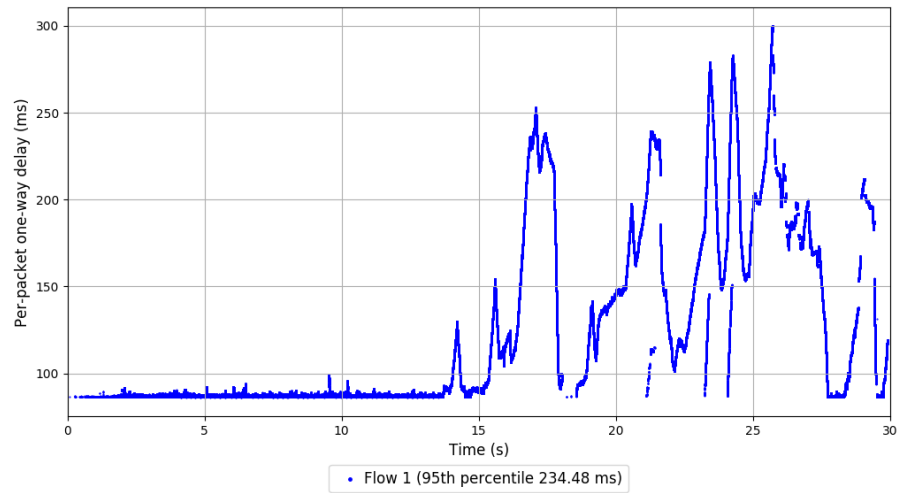
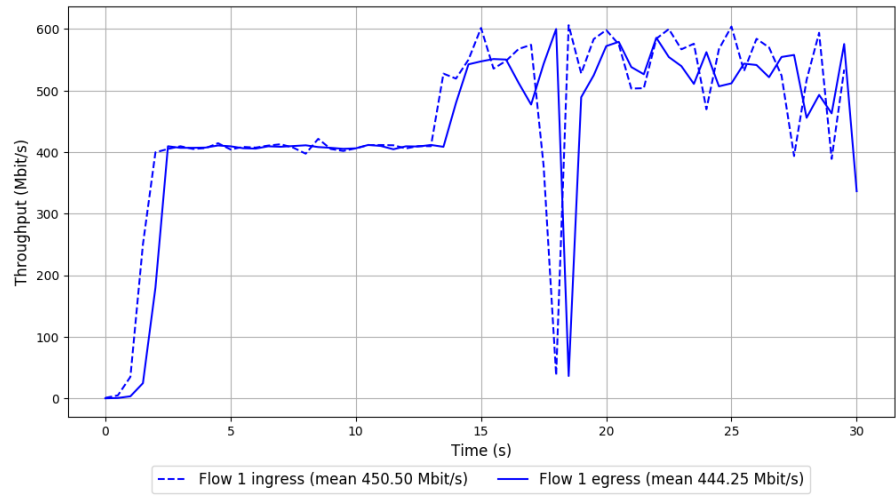


Run 3: Statistics of TCP BBR

Start at: 2018-08-09 15:08:13
End at: 2018-08-09 15:08:43
Local clock offset: -0.19 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-08-09 18:11:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 444.25 Mbit/s
95th percentile per-packet one-way delay: 234.480 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 444.25 Mbit/s
95th percentile per-packet one-way delay: 234.480 ms
Loss rate: 1.96%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-09 15:30:53

End at: 2018-08-09 15:31:23

Local clock offset: 0.021 ms

Remote clock offset: 2.481 ms

Below is generated by plot.py at 2018-08-09 18:11:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 490.67 Mbit/s

95th percentile per-packet one-way delay: 260.906 ms

Loss rate: 2.04%

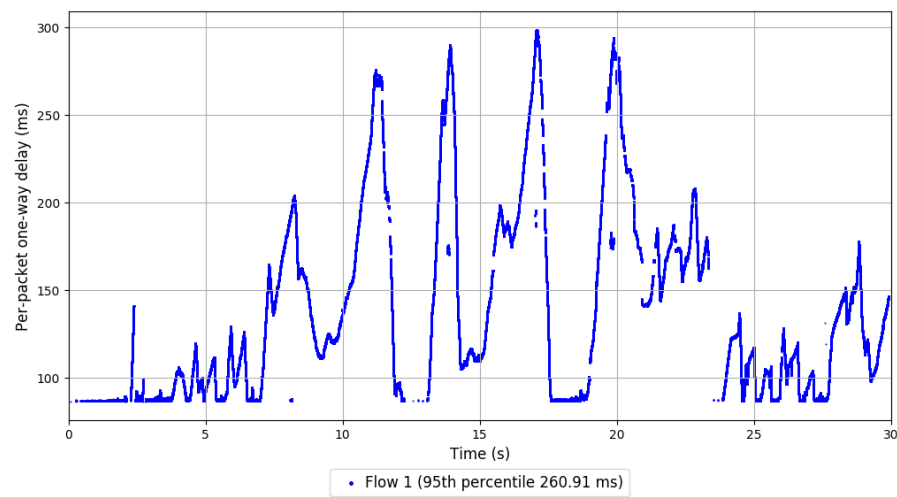
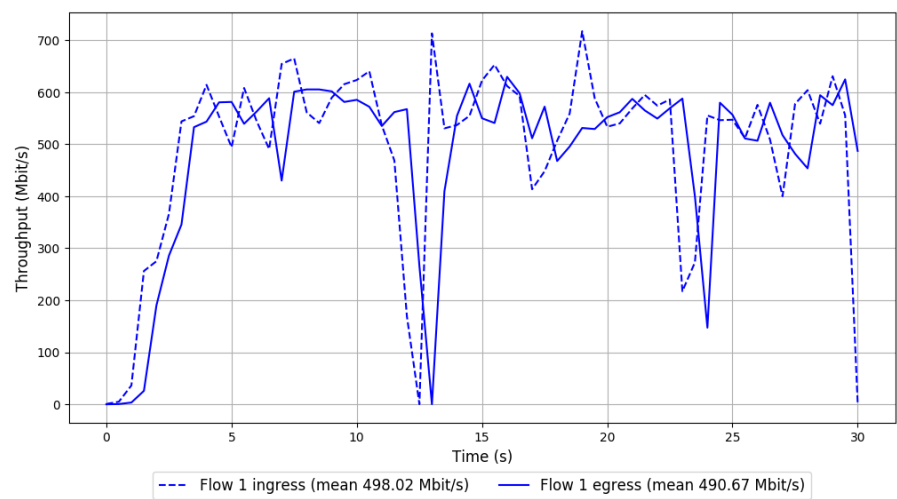
-- Flow 1:

Average throughput: 490.67 Mbit/s

95th percentile per-packet one-way delay: 260.906 ms

Loss rate: 2.04%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-09 15:53:54

End at: 2018-08-09 15:54:24

Local clock offset: 0.015 ms

Remote clock offset: 4.52 ms

Below is generated by plot.py at 2018-08-09 18:11:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 482.02 Mbit/s

95th percentile per-packet one-way delay: 224.937 ms

Loss rate: 1.90%

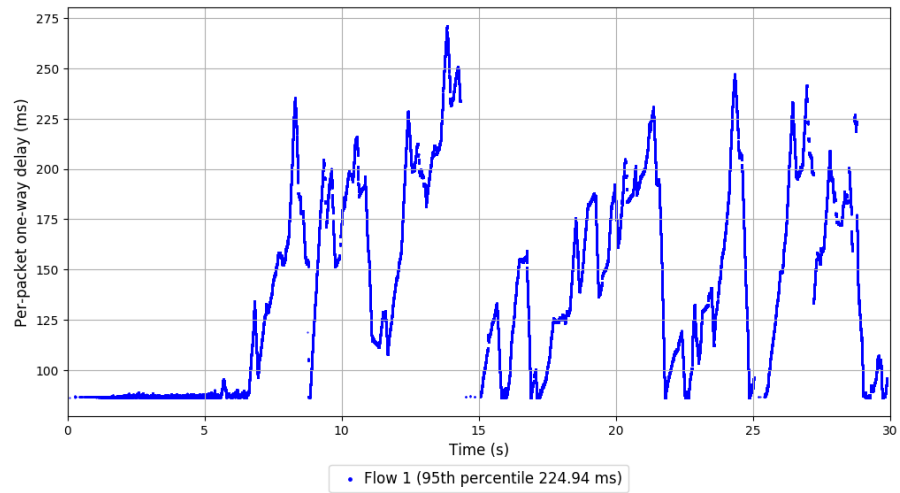
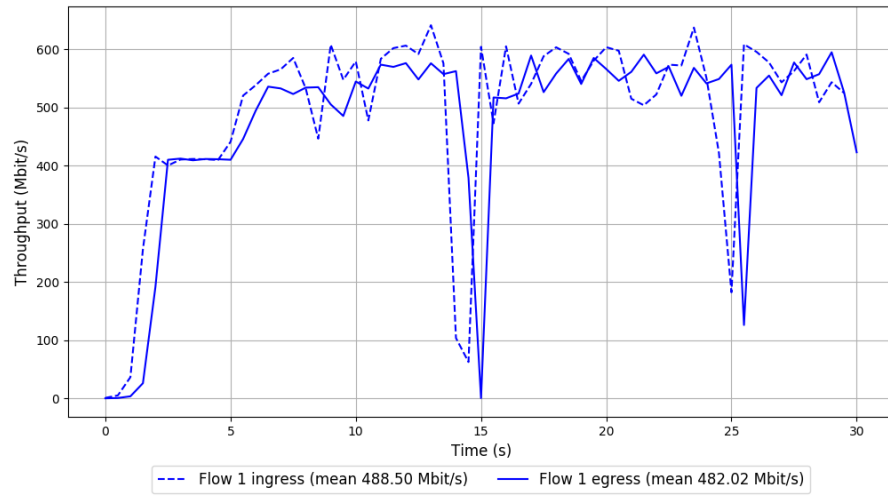
-- Flow 1:

Average throughput: 482.02 Mbit/s

95th percentile per-packet one-way delay: 224.937 ms

Loss rate: 1.90%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-09 16:16:08

End at: 2018-08-09 16:16:38

Local clock offset: -0.183 ms

Remote clock offset: 7.037 ms

Below is generated by plot.py at 2018-08-09 18:11:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 437.70 Mbit/s

95th percentile per-packet one-way delay: 257.414 ms

Loss rate: 2.25%

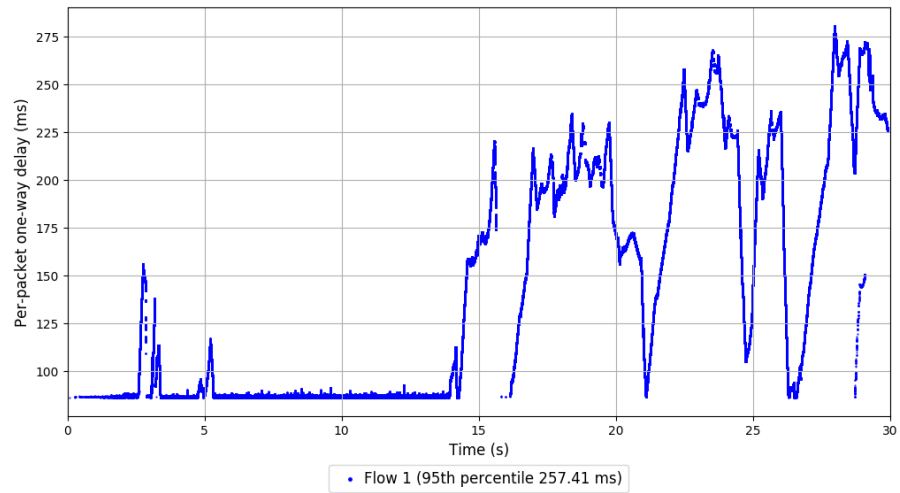
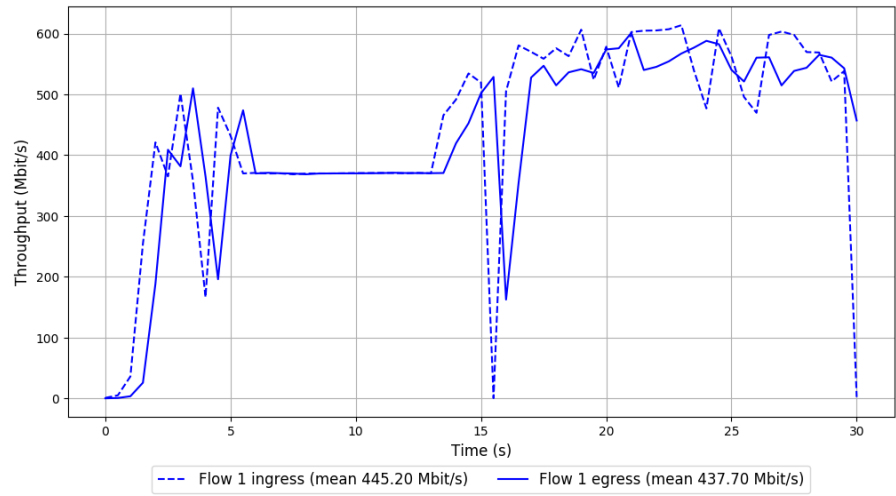
-- Flow 1:

Average throughput: 437.70 Mbit/s

95th percentile per-packet one-way delay: 257.414 ms

Loss rate: 2.25%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-09 16:39:10

End at: 2018-08-09 16:39:40

Local clock offset: -0.424 ms

Remote clock offset: 2.747 ms

Below is generated by plot.py at 2018-08-09 18:11:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 469.58 Mbit/s

95th percentile per-packet one-way delay: 246.736 ms

Loss rate: 2.82%

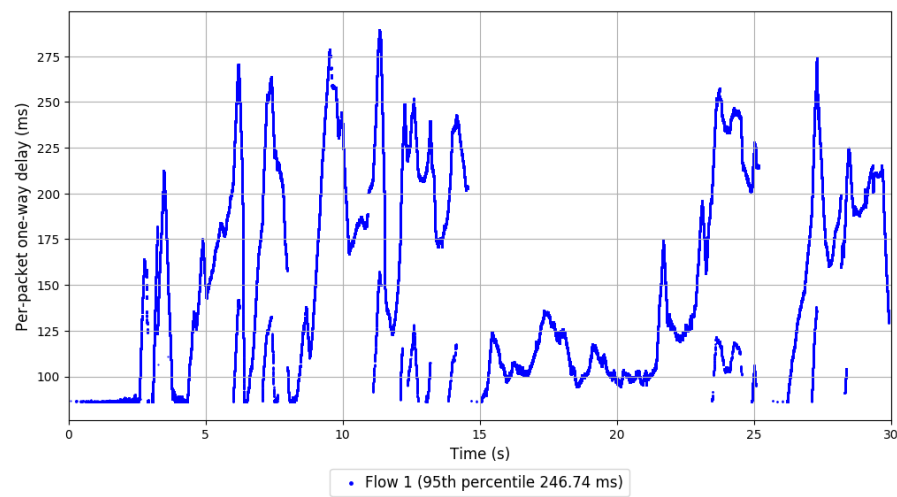
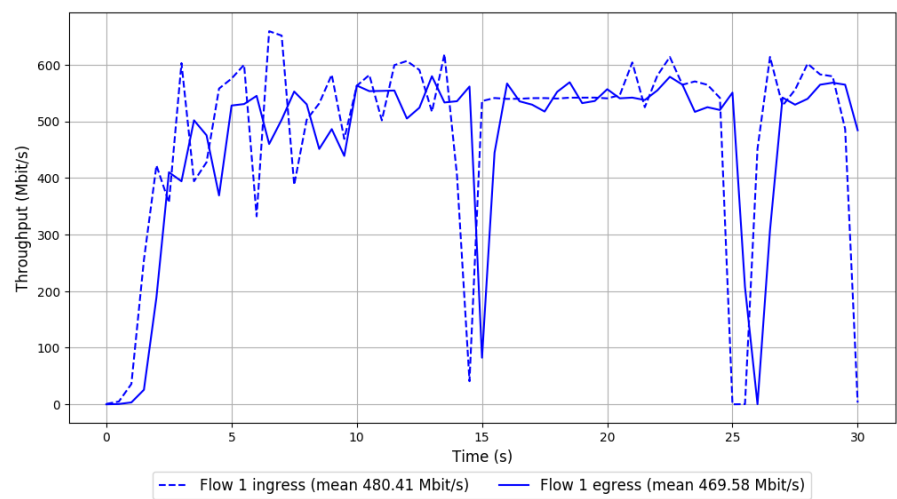
-- Flow 1:

Average throughput: 469.58 Mbit/s

95th percentile per-packet one-way delay: 246.736 ms

Loss rate: 2.82%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-09 17:02:11

End at: 2018-08-09 17:02:41

Local clock offset: -0.135 ms

Remote clock offset: 1.646 ms

Below is generated by plot.py at 2018-08-09 18:11:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 507.27 Mbit/s

95th percentile per-packet one-way delay: 238.133 ms

Loss rate: 2.15%

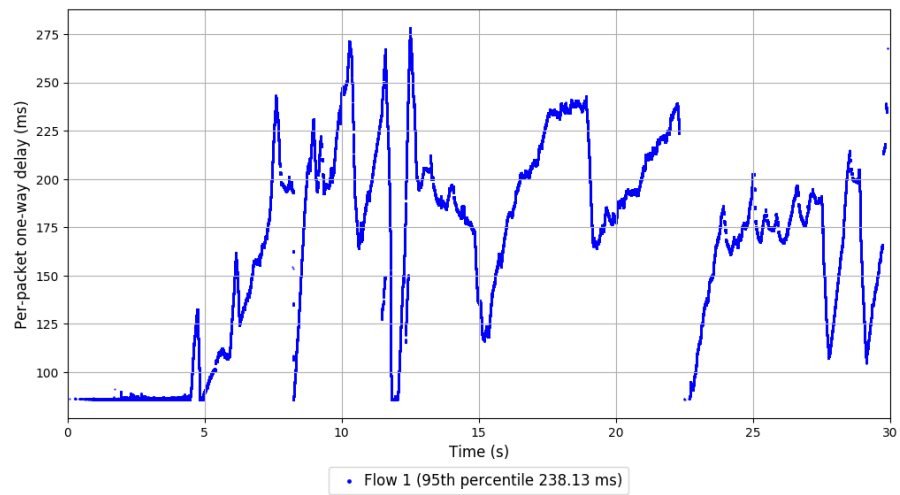
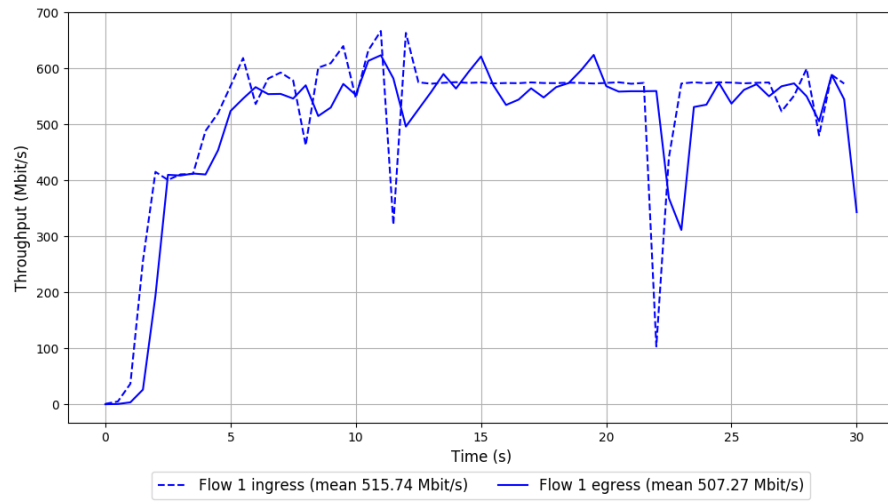
-- Flow 1:

Average throughput: 507.27 Mbit/s

95th percentile per-packet one-way delay: 238.133 ms

Loss rate: 2.15%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-09 17:25:19

End at: 2018-08-09 17:25:49

Local clock offset: 0.004 ms

Remote clock offset: 1.736 ms

Below is generated by plot.py at 2018-08-09 18:18:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 481.85 Mbit/s

95th percentile per-packet one-way delay: 281.793 ms

Loss rate: 2.58%

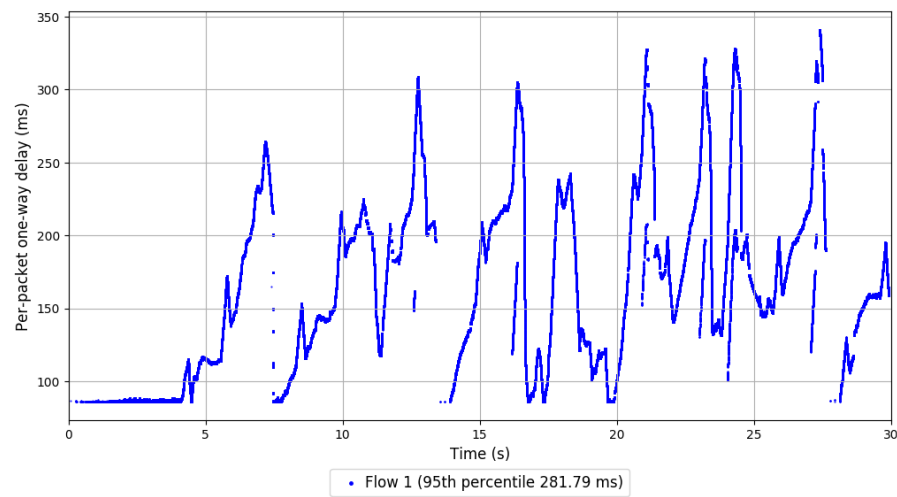
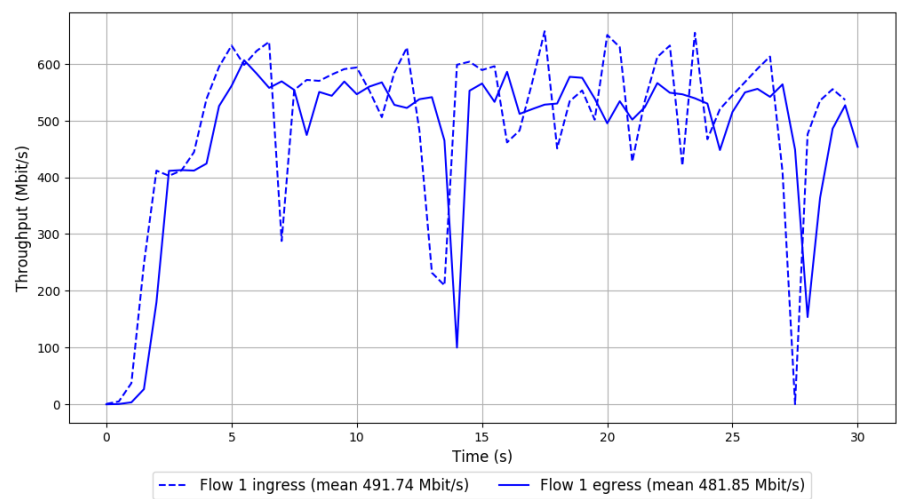
-- Flow 1:

Average throughput: 481.85 Mbit/s

95th percentile per-packet one-way delay: 281.793 ms

Loss rate: 2.58%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-09 17:48:14

End at: 2018-08-09 17:48:44

Local clock offset: -0.09 ms

Remote clock offset: 0.661 ms

Below is generated by plot.py at 2018-08-09 18:18:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 456.21 Mbit/s

95th percentile per-packet one-way delay: 260.187 ms

Loss rate: 3.71%

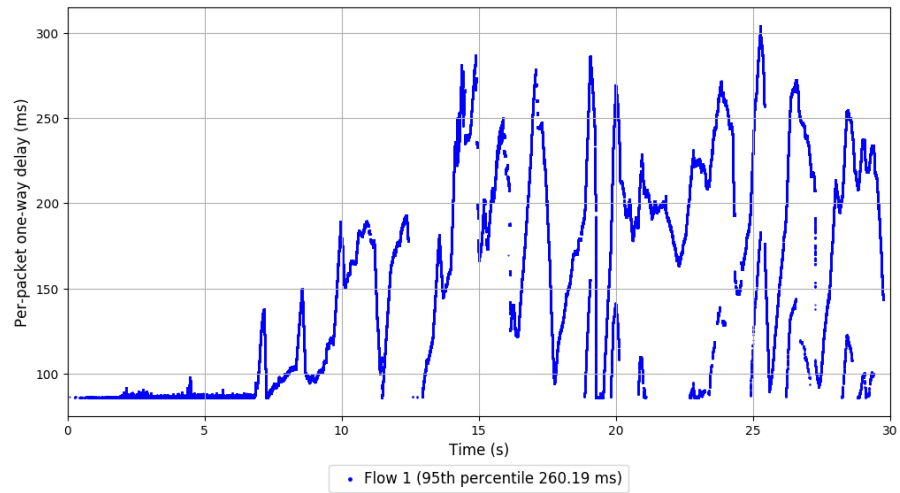
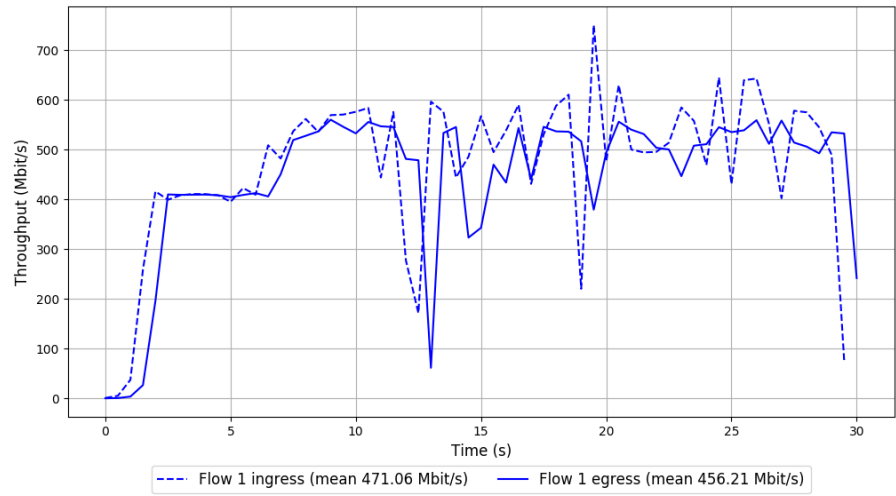
-- Flow 1:

Average throughput: 456.21 Mbit/s

95th percentile per-packet one-way delay: 260.187 ms

Loss rate: 3.71%

Run 10: Report of TCP BBR — Data Link

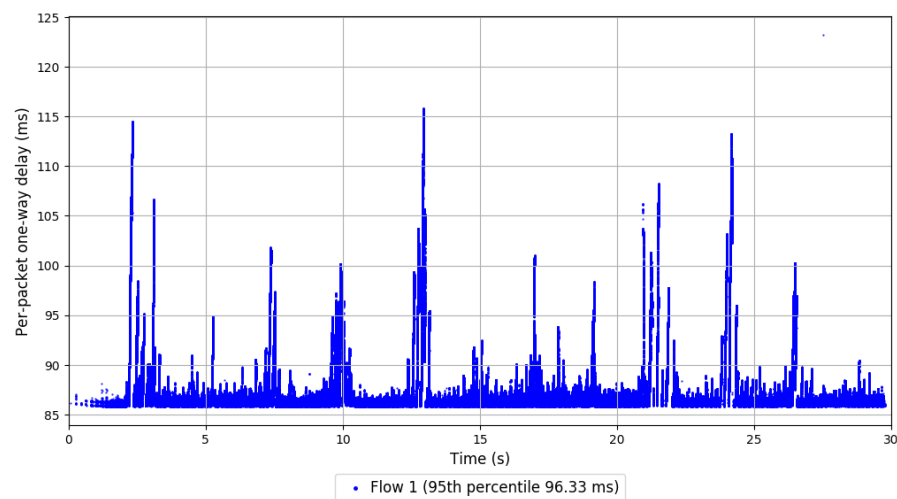
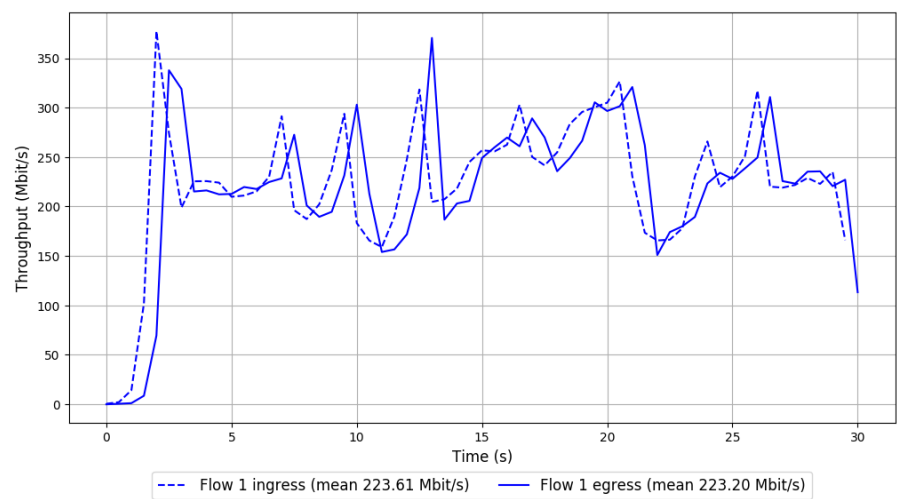


Run 1: Statistics of Copa

Start at: 2018-08-09 14:08:26
End at: 2018-08-09 14:08:56
Local clock offset: -0.226 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-08-09 18:18:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.20 Mbit/s
95th percentile per-packet one-way delay: 96.327 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 223.20 Mbit/s
95th percentile per-packet one-way delay: 96.327 ms
Loss rate: 0.63%

Run 1: Report of Copa — Data Link

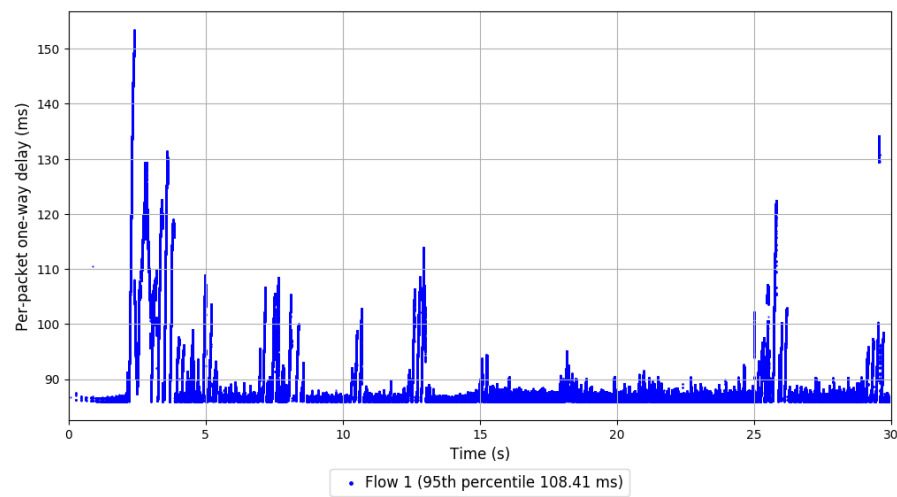
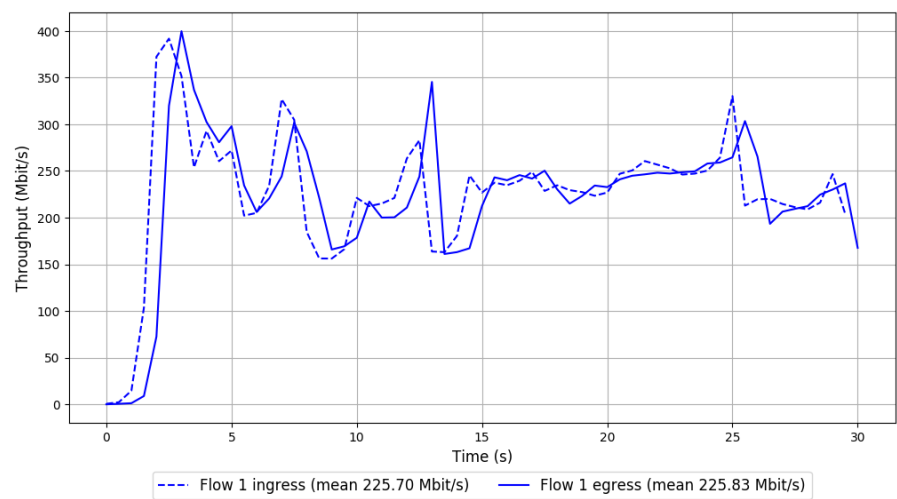


Run 2: Statistics of Copa

Start at: 2018-08-09 14:31:22
End at: 2018-08-09 14:31:52
Local clock offset: -0.11 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-08-09 18:18:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.83 Mbit/s
95th percentile per-packet one-way delay: 108.408 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 225.83 Mbit/s
95th percentile per-packet one-way delay: 108.408 ms
Loss rate: 0.52%

Run 2: Report of Copa — Data Link

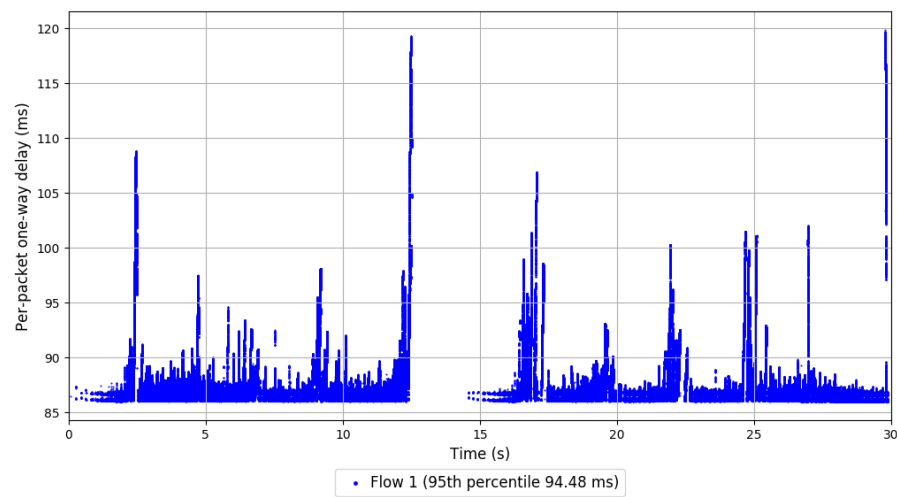
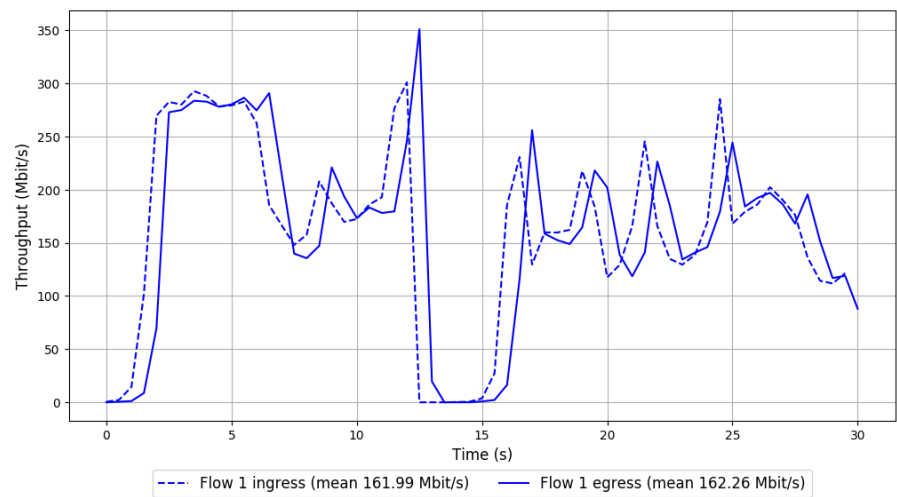


Run 3: Statistics of Copa

Start at: 2018-08-09 14:54:20
End at: 2018-08-09 14:54:50
Local clock offset: 0.097 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-08-09 18:18:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 162.26 Mbit/s
95th percentile per-packet one-way delay: 94.484 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 162.26 Mbit/s
95th percentile per-packet one-way delay: 94.484 ms
Loss rate: 0.42%

Run 3: Report of Copa — Data Link

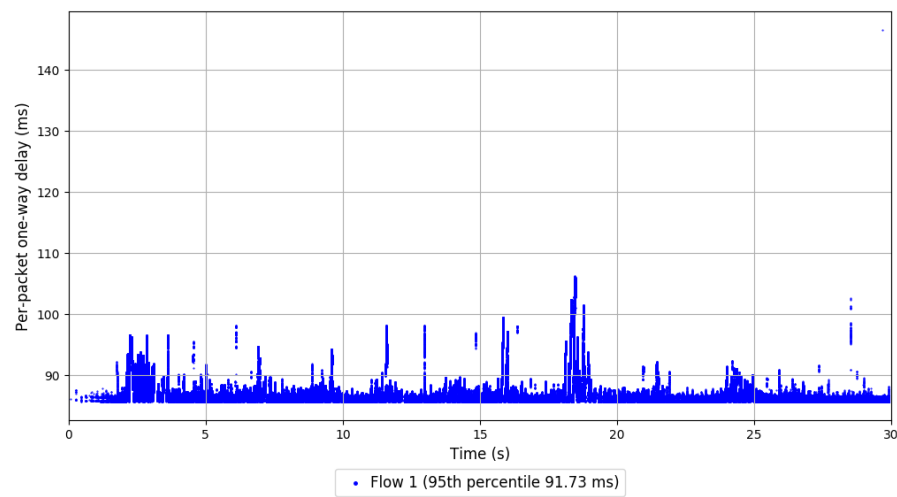
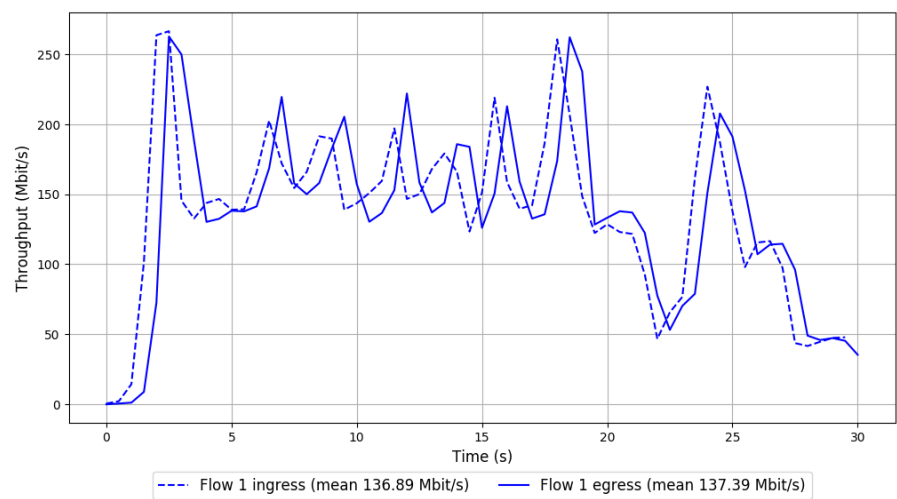


Run 4: Statistics of Copa

Start at: 2018-08-09 15:17:08
End at: 2018-08-09 15:17:38
Local clock offset: -0.117 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-08-09 18:18:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 137.39 Mbit/s
95th percentile per-packet one-way delay: 91.732 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 137.39 Mbit/s
95th percentile per-packet one-way delay: 91.732 ms
Loss rate: 0.21%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-09 15:39:48

End at: 2018-08-09 15:40:18

Local clock offset: -0.126 ms

Remote clock offset: 5.992 ms

Below is generated by plot.py at 2018-08-09 18:18:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.72 Mbit/s

95th percentile per-packet one-way delay: 89.882 ms

Loss rate: 0.52%

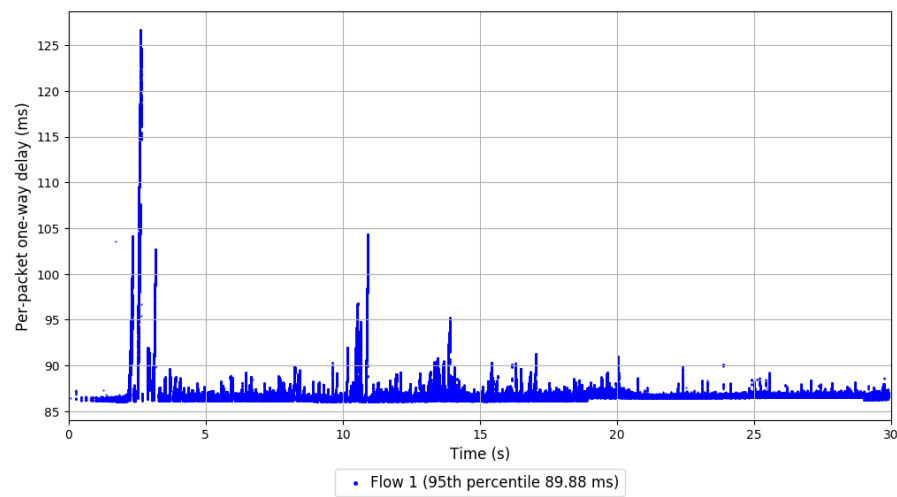
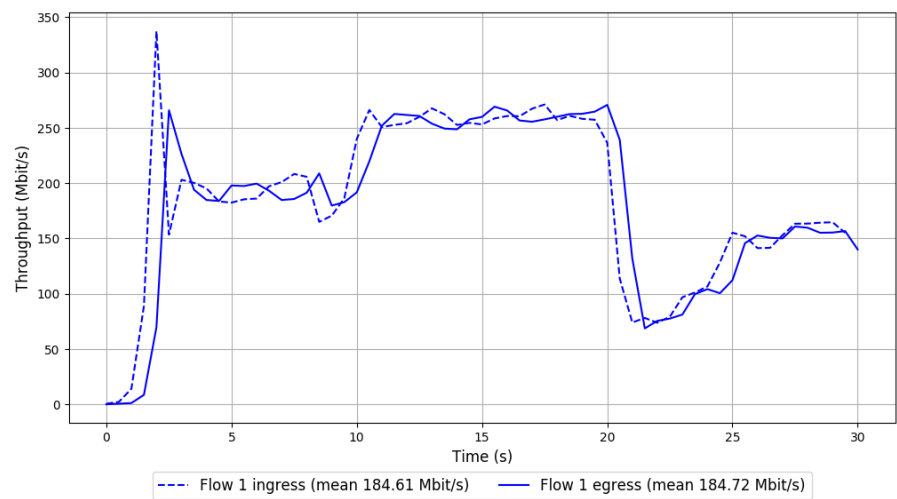
-- Flow 1:

Average throughput: 184.72 Mbit/s

95th percentile per-packet one-way delay: 89.882 ms

Loss rate: 0.52%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-09 16:02:48

End at: 2018-08-09 16:03:18

Local clock offset: -0.126 ms

Remote clock offset: 4.801 ms

Below is generated by plot.py at 2018-08-09 18:18:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.69 Mbit/s

95th percentile per-packet one-way delay: 102.959 ms

Loss rate: 0.49%

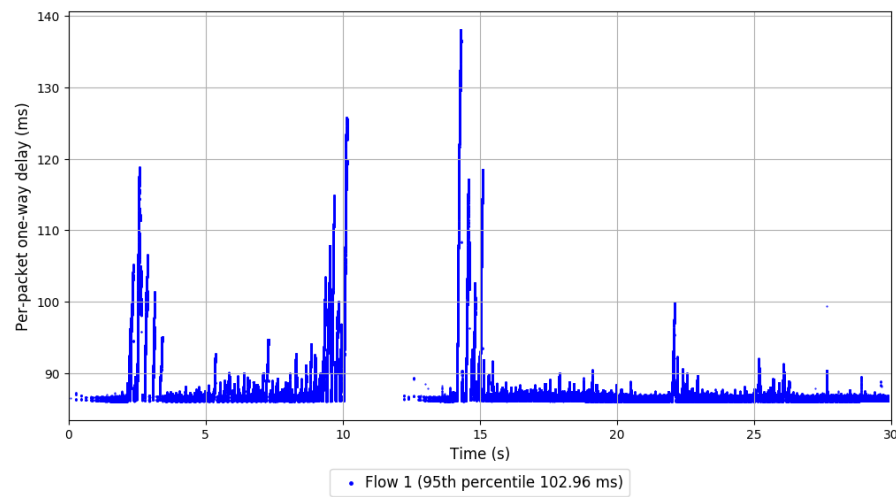
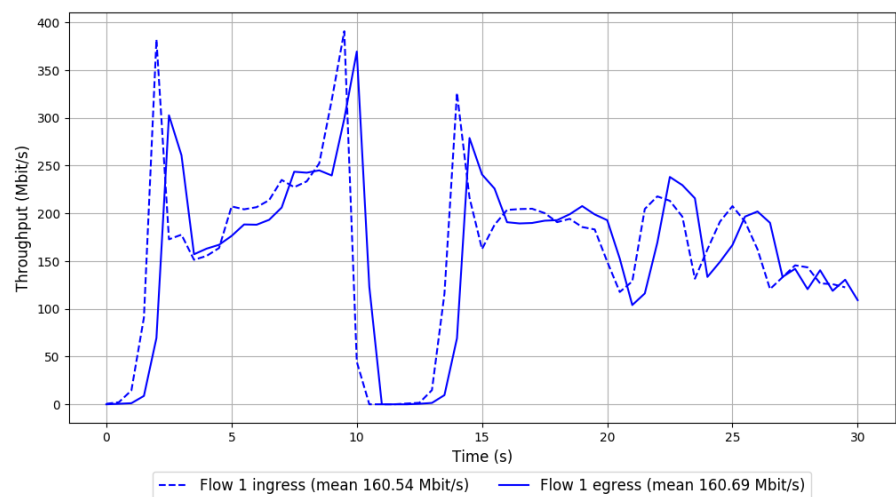
-- Flow 1:

Average throughput: 160.69 Mbit/s

95th percentile per-packet one-way delay: 102.959 ms

Loss rate: 0.49%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-09 16:25:03

End at: 2018-08-09 16:25:33

Local clock offset: -0.322 ms

Remote clock offset: 4.093 ms

Below is generated by plot.py at 2018-08-09 18:24:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 286.27 Mbit/s

95th percentile per-packet one-way delay: 97.230 ms

Loss rate: 0.58%

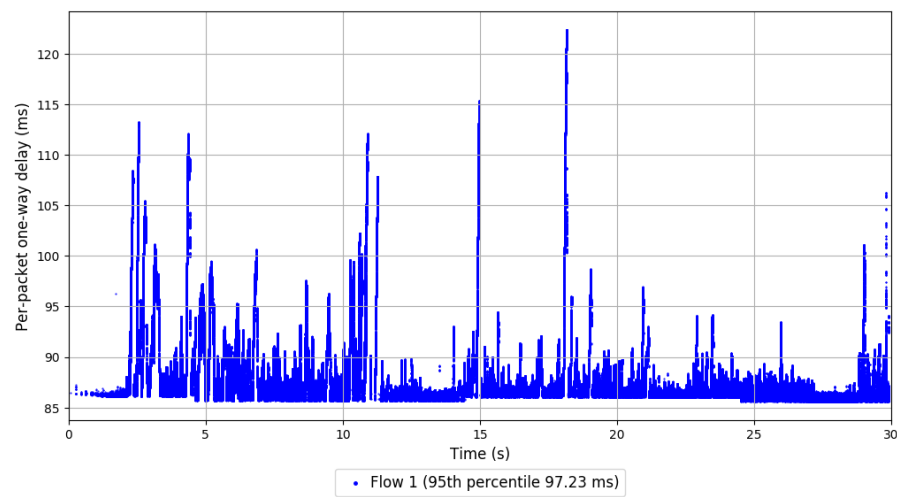
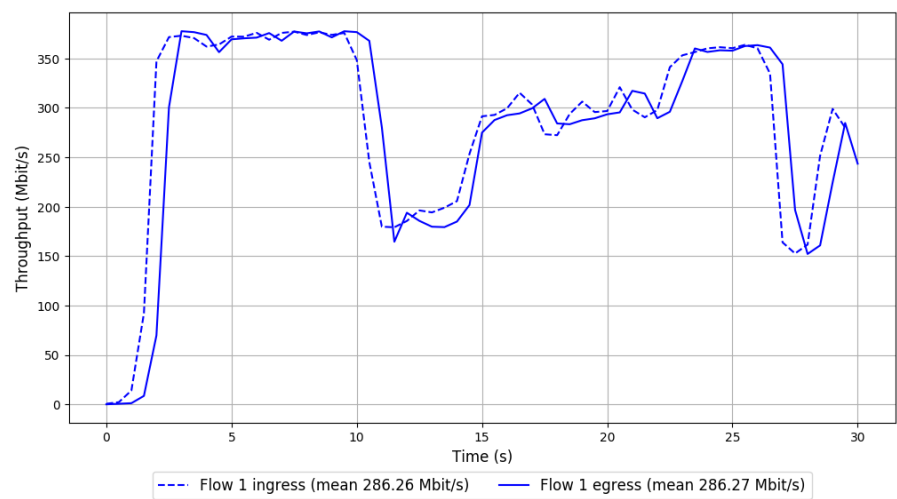
-- Flow 1:

Average throughput: 286.27 Mbit/s

95th percentile per-packet one-way delay: 97.230 ms

Loss rate: 0.58%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-09 16:48:07

End at: 2018-08-09 16:48:37

Local clock offset: -0.076 ms

Remote clock offset: 3.288 ms

Below is generated by plot.py at 2018-08-09 18:24:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.08 Mbit/s

95th percentile per-packet one-way delay: 102.238 ms

Loss rate: 0.99%

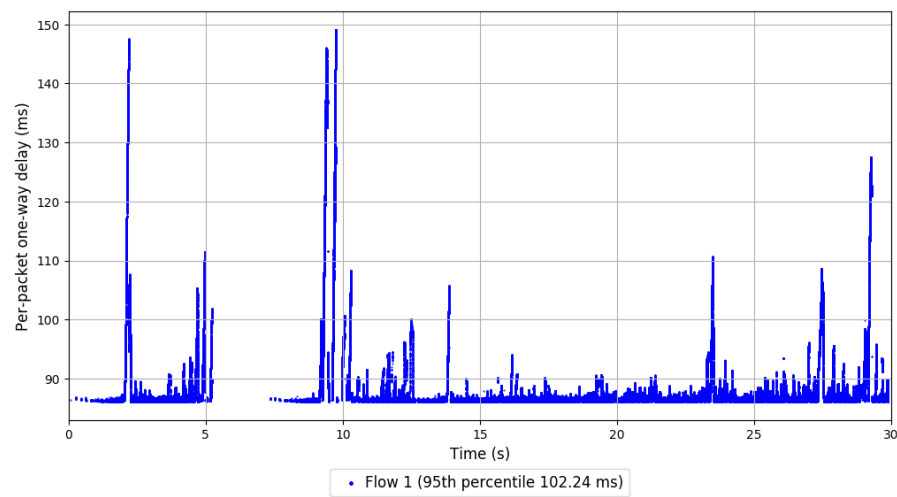
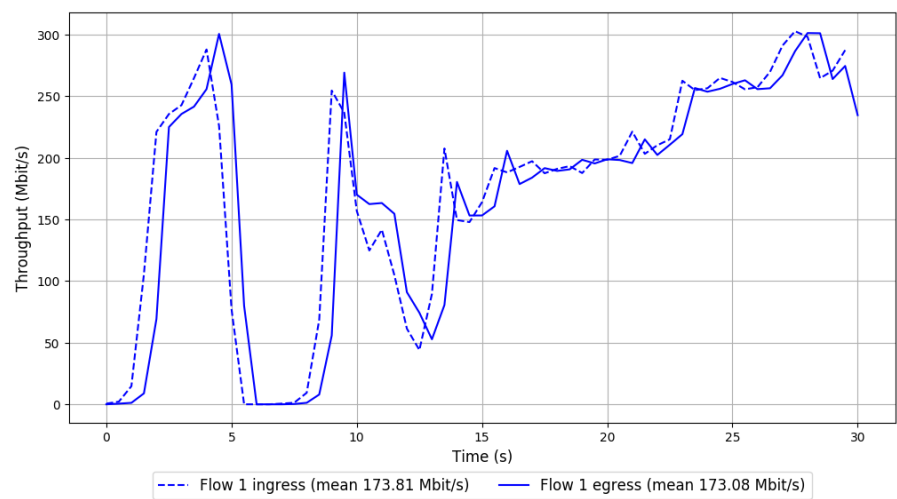
-- Flow 1:

Average throughput: 173.08 Mbit/s

95th percentile per-packet one-way delay: 102.238 ms

Loss rate: 0.99%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-09 17:11:20

End at: 2018-08-09 17:11:50

Local clock offset: -0.131 ms

Remote clock offset: 1.343 ms

Below is generated by plot.py at 2018-08-09 18:24:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.96 Mbit/s

95th percentile per-packet one-way delay: 92.232 ms

Loss rate: 0.99%

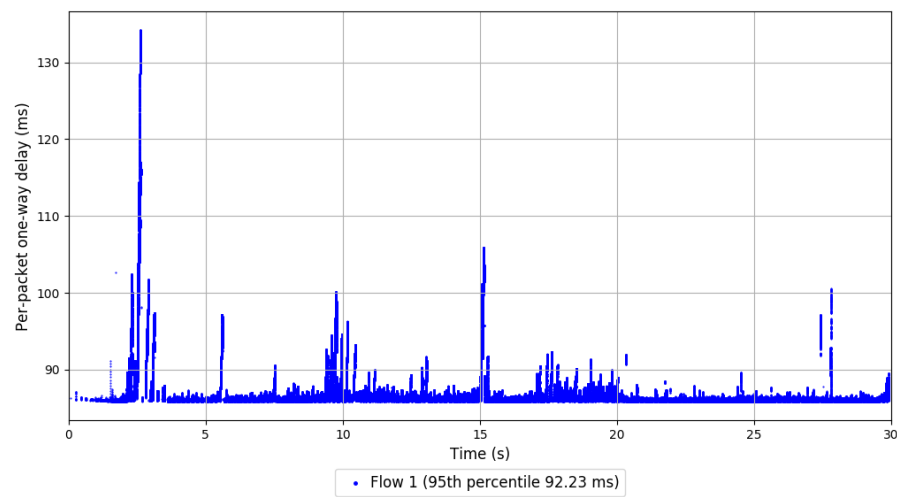
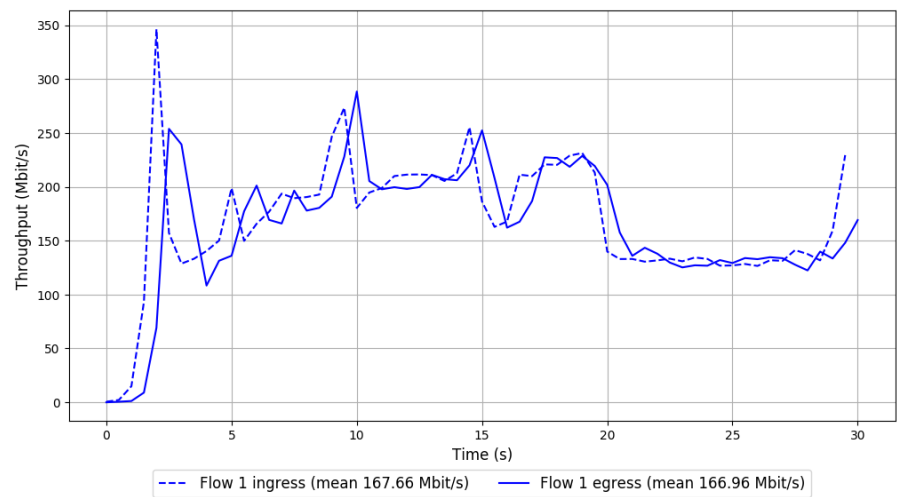
-- Flow 1:

Average throughput: 166.96 Mbit/s

95th percentile per-packet one-way delay: 92.232 ms

Loss rate: 0.99%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-09 17:34:16

End at: 2018-08-09 17:34:46

Local clock offset: -0.086 ms

Remote clock offset: 0.928 ms

Below is generated by plot.py at 2018-08-09 18:24:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.24 Mbit/s

95th percentile per-packet one-way delay: 99.627 ms

Loss rate: 0.70%

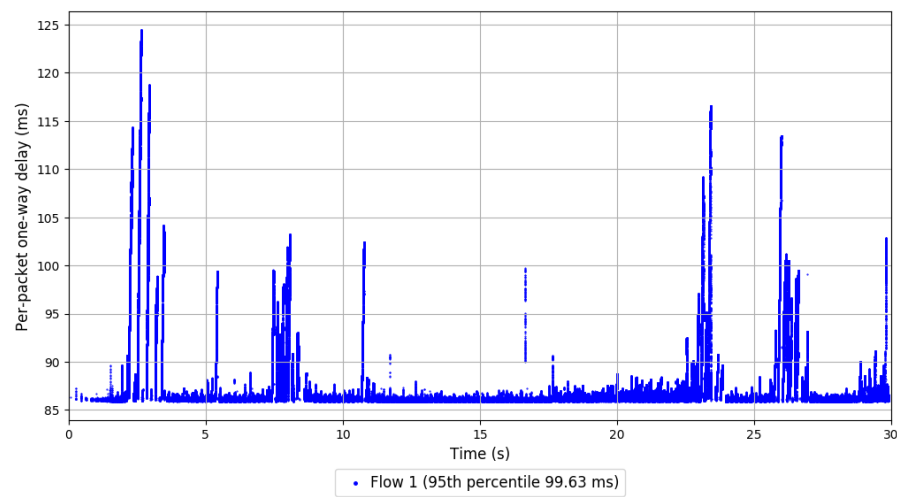
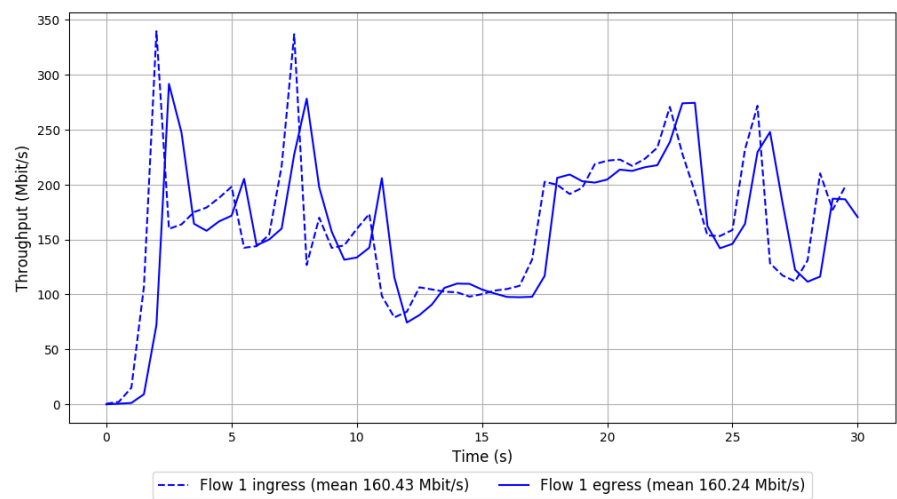
-- Flow 1:

Average throughput: 160.24 Mbit/s

95th percentile per-packet one-way delay: 99.627 ms

Loss rate: 0.70%

Run 10: Report of Copa — Data Link

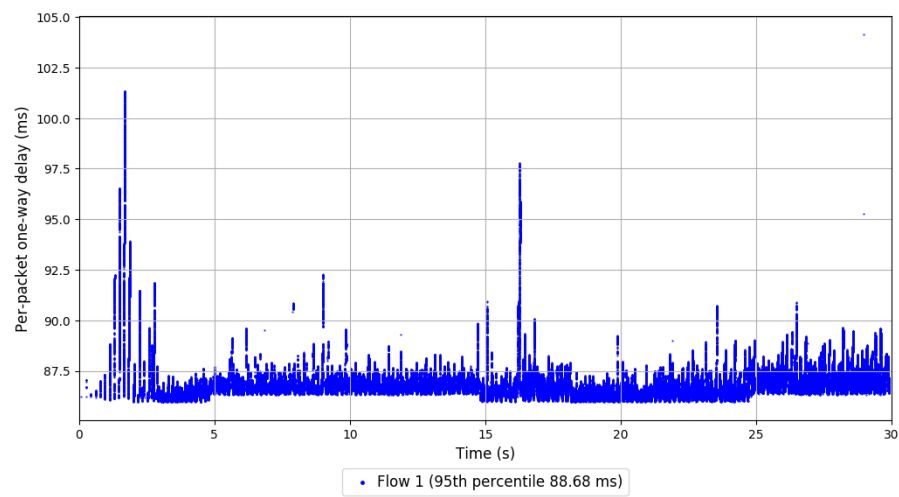
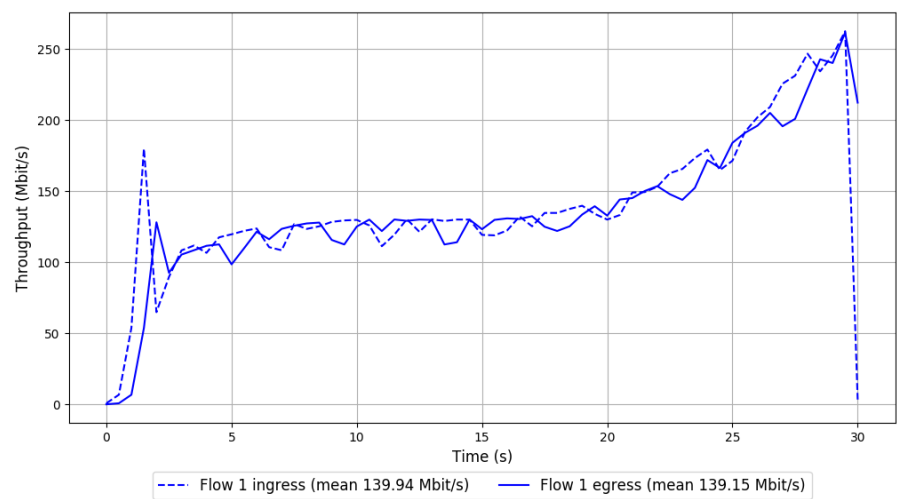


Run 1: Statistics of TCP Cubic

Start at: 2018-08-09 14:07:12
End at: 2018-08-09 14:07:42
Local clock offset: -0.073 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-08-09 18:24:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 139.15 Mbit/s
95th percentile per-packet one-way delay: 88.680 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 139.15 Mbit/s
95th percentile per-packet one-way delay: 88.680 ms
Loss rate: 1.13%

Run 1: Report of TCP Cubic — Data Link

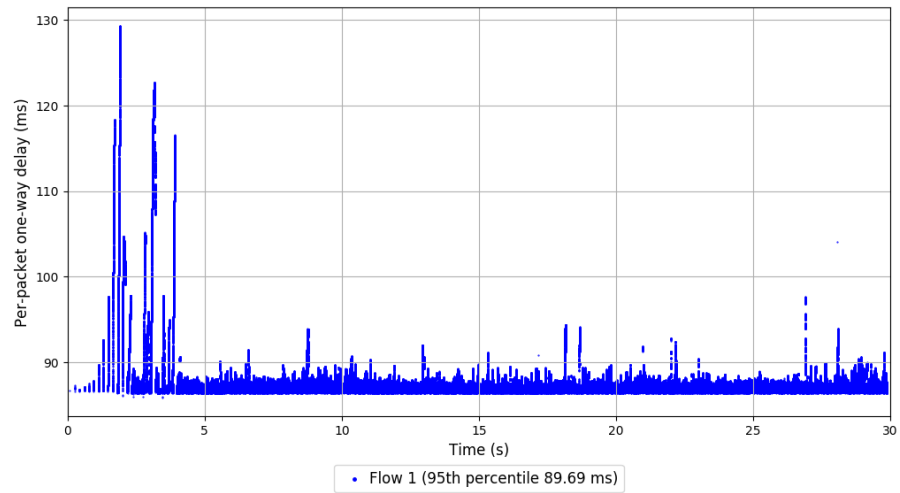
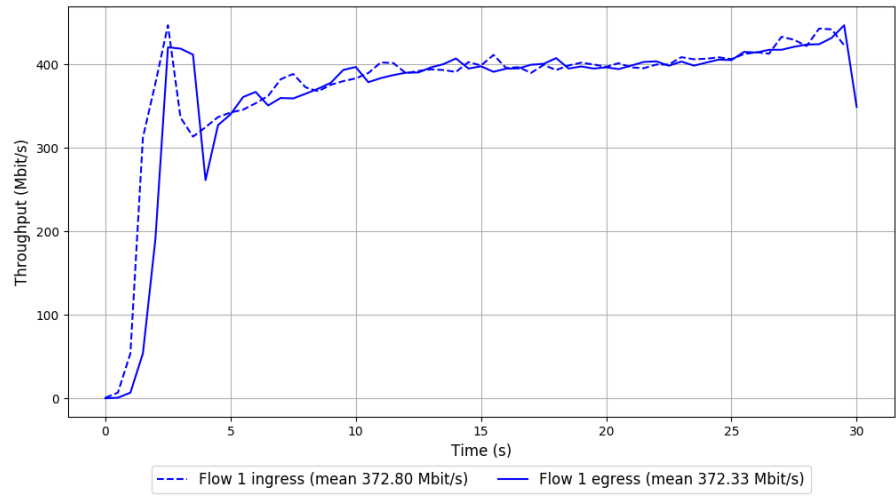


Run 2: Statistics of TCP Cubic

Start at: 2018-08-09 14:29:57
End at: 2018-08-09 14:30:27
Local clock offset: -0.147 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-09 18:24:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 372.33 Mbit/s
95th percentile per-packet one-way delay: 89.692 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 372.33 Mbit/s
95th percentile per-packet one-way delay: 89.692 ms
Loss rate: 0.70%

Run 2: Report of TCP Cubic — Data Link

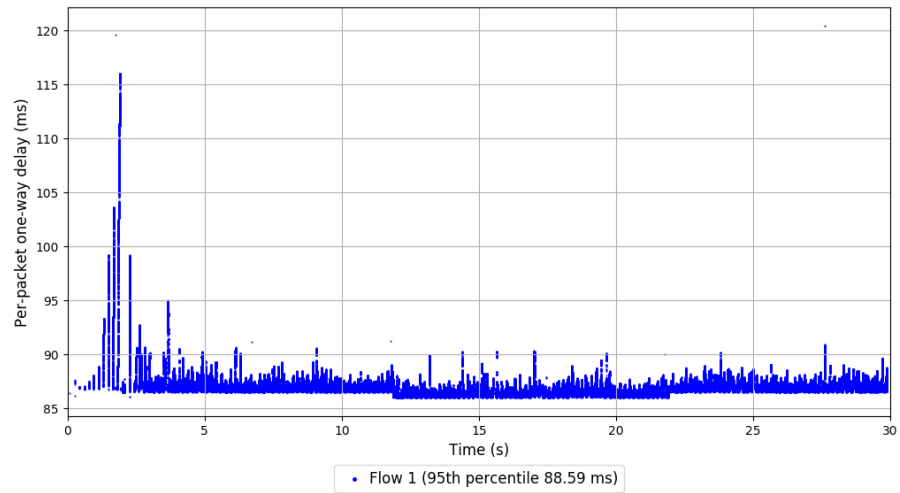
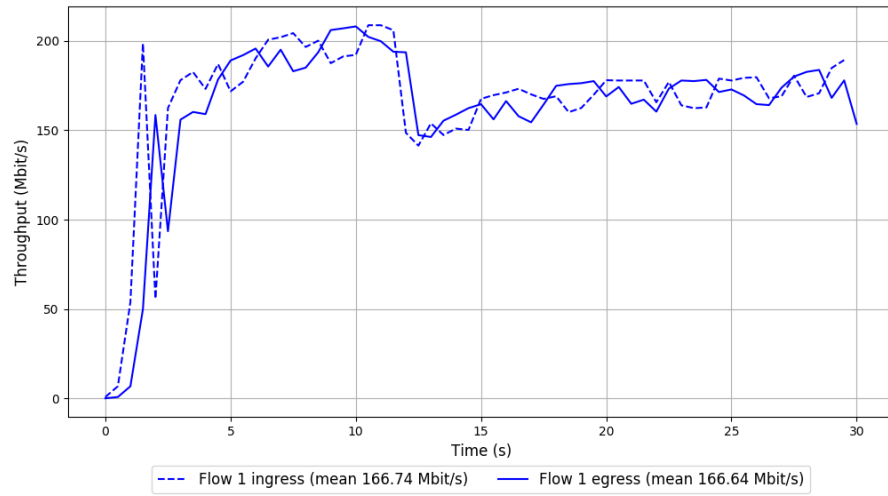


Run 3: Statistics of TCP Cubic

Start at: 2018-08-09 14:53:05
End at: 2018-08-09 14:53:35
Local clock offset: -0.003 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-09 18:24:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.64 Mbit/s
95th percentile per-packet one-way delay: 88.586 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 166.64 Mbit/s
95th percentile per-packet one-way delay: 88.586 ms
Loss rate: 0.63%

Run 3: Report of TCP Cubic — Data Link

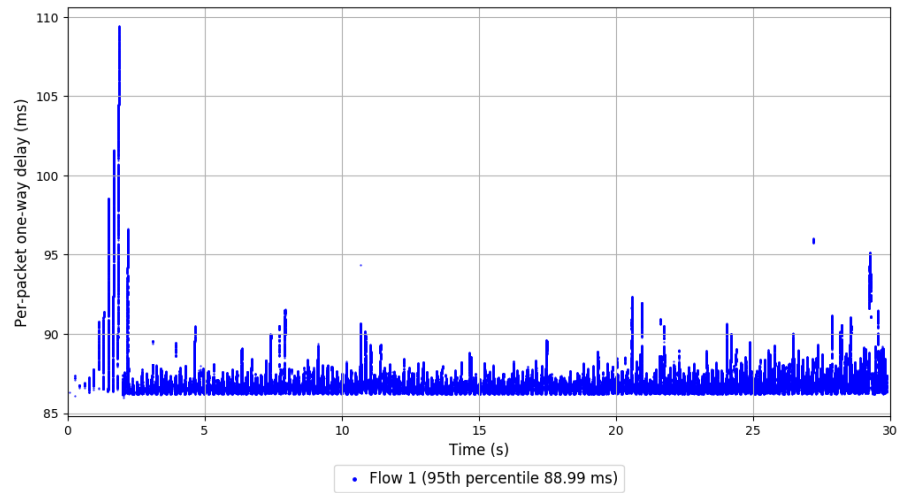
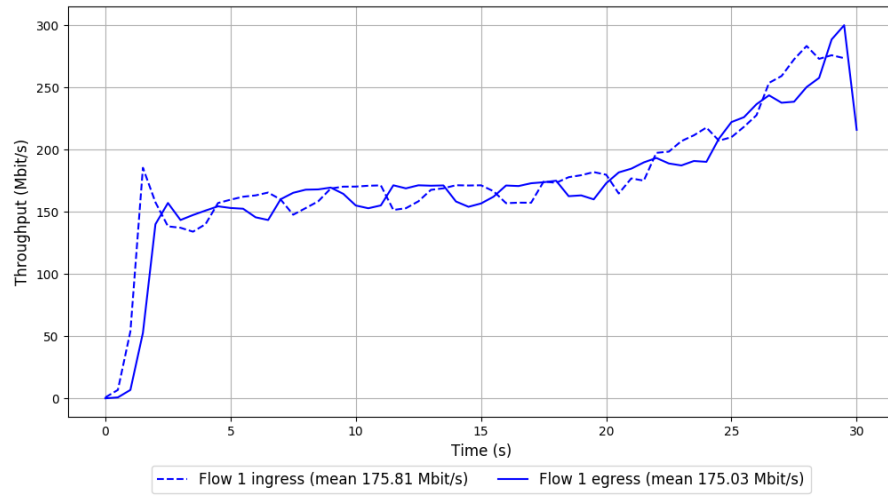


Run 4: Statistics of TCP Cubic

Start at: 2018-08-09 15:15:52
End at: 2018-08-09 15:16:22
Local clock offset: -0.303 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-08-09 18:24:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.03 Mbit/s
95th percentile per-packet one-way delay: 88.990 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 175.03 Mbit/s
95th percentile per-packet one-way delay: 88.990 ms
Loss rate: 1.01%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-09 15:38:29

End at: 2018-08-09 15:38:59

Local clock offset: -0.061 ms

Remote clock offset: 5.513 ms

Below is generated by plot.py at 2018-08-09 18:24:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.98 Mbit/s

95th percentile per-packet one-way delay: 99.894 ms

Loss rate: 0.07%

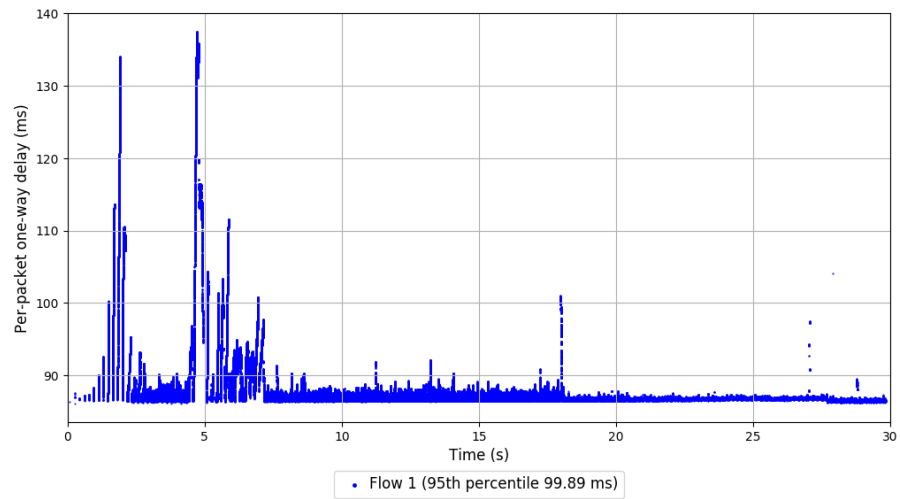
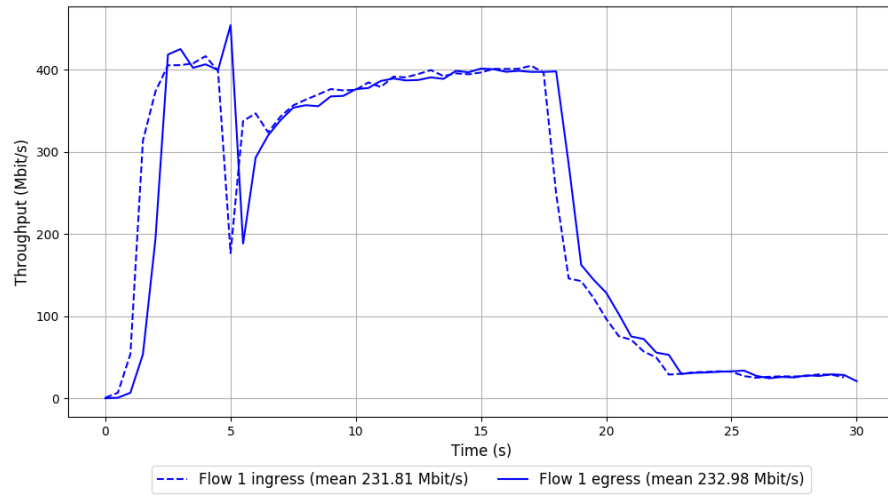
-- Flow 1:

Average throughput: 232.98 Mbit/s

95th percentile per-packet one-way delay: 99.894 ms

Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-08-09 16:01:30

End at: 2018-08-09 16:02:00

Local clock offset: -0.053 ms

Remote clock offset: 4.726 ms

Below is generated by plot.py at 2018-08-09 18:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.31 Mbit/s

95th percentile per-packet one-way delay: 88.920 ms

Loss rate: 0.60%

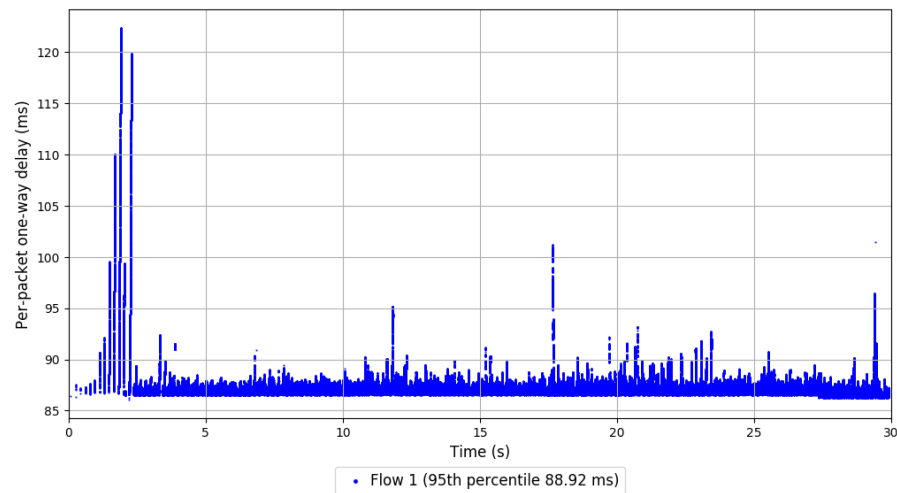
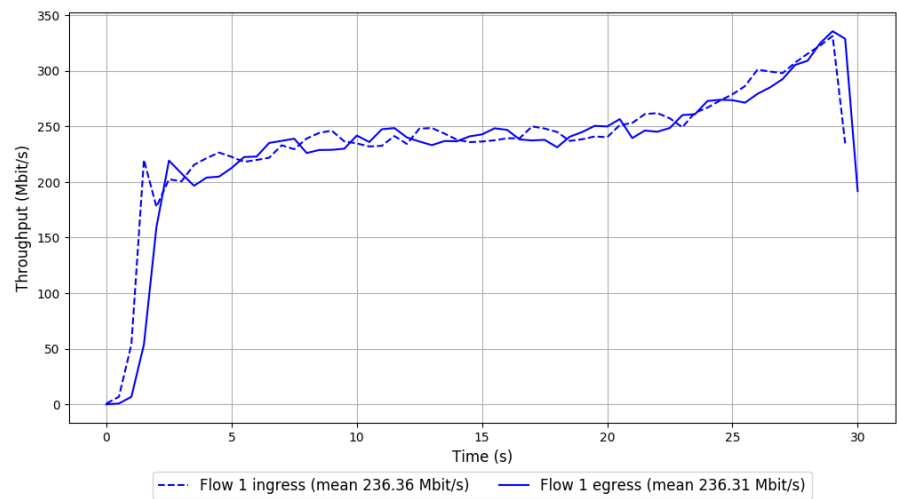
-- Flow 1:

Average throughput: 236.31 Mbit/s

95th percentile per-packet one-way delay: 88.920 ms

Loss rate: 0.60%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-09 16:23:46

End at: 2018-08-09 16:24:16

Local clock offset: -0.269 ms

Remote clock offset: 4.628 ms

Below is generated by plot.py at 2018-08-09 18:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.19 Mbit/s

95th percentile per-packet one-way delay: 88.393 ms

Loss rate: 0.87%

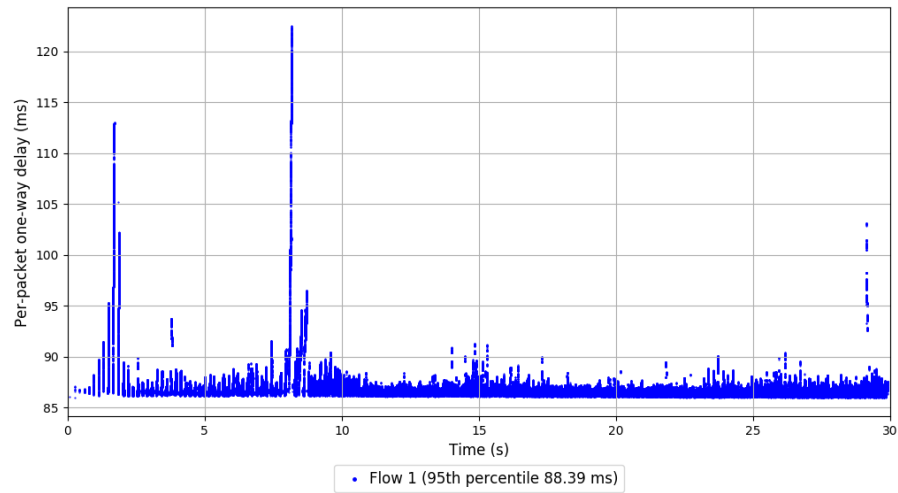
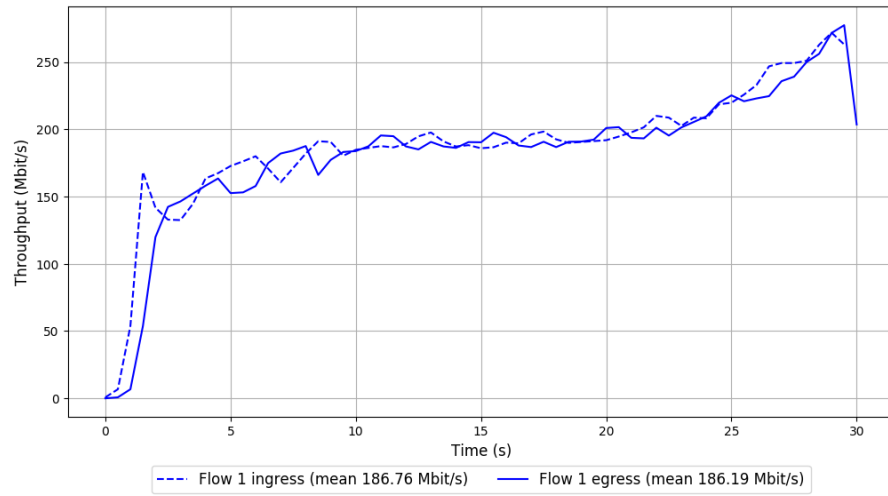
-- Flow 1:

Average throughput: 186.19 Mbit/s

95th percentile per-packet one-way delay: 88.393 ms

Loss rate: 0.87%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-09 16:46:52

End at: 2018-08-09 16:47:22

Local clock offset: -0.133 ms

Remote clock offset: 3.175 ms

Below is generated by plot.py at 2018-08-09 18:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.61 Mbit/s

95th percentile per-packet one-way delay: 89.373 ms

Loss rate: 0.65%

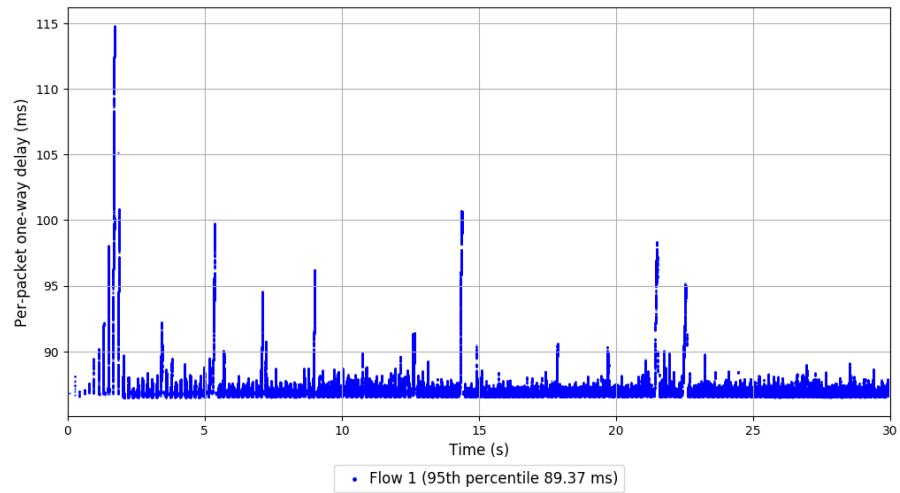
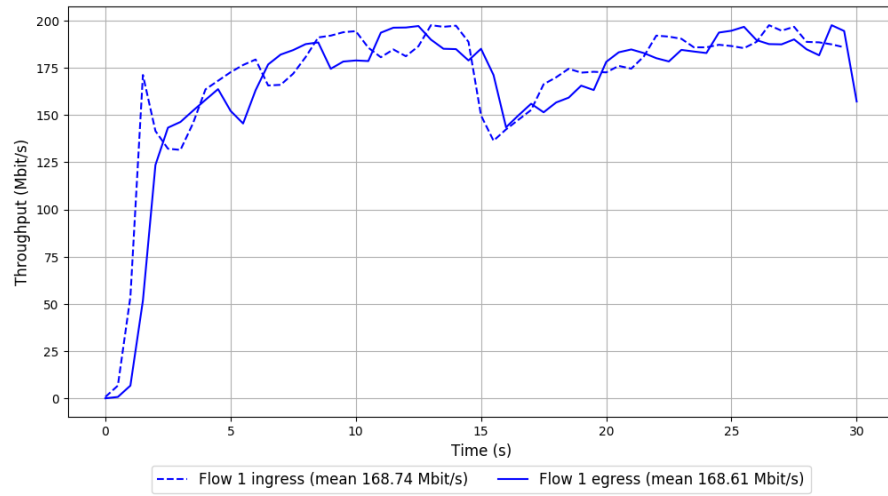
-- Flow 1:

Average throughput: 168.61 Mbit/s

95th percentile per-packet one-way delay: 89.373 ms

Loss rate: 0.65%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-09 17:10:05

End at: 2018-08-09 17:10:35

Local clock offset: -0.089 ms

Remote clock offset: 1.365 ms

Below is generated by plot.py at 2018-08-09 18:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.16 Mbit/s

95th percentile per-packet one-way delay: 88.867 ms

Loss rate: 1.06%

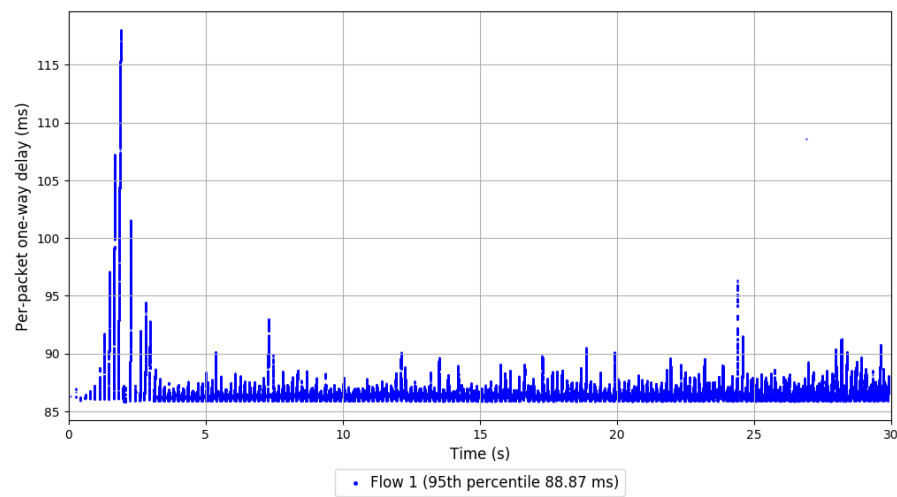
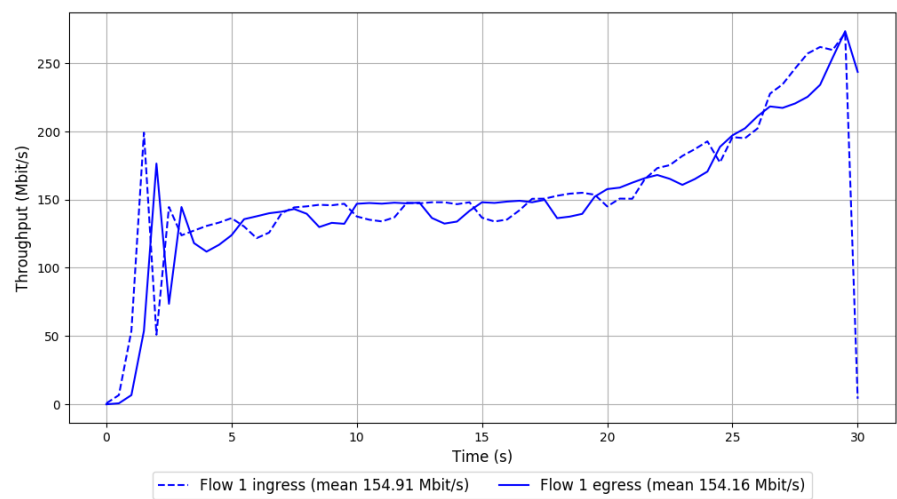
-- Flow 1:

Average throughput: 154.16 Mbit/s

95th percentile per-packet one-way delay: 88.867 ms

Loss rate: 1.06%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-09 17:33:00

End at: 2018-08-09 17:33:30

Local clock offset: -0.099 ms

Remote clock offset: 1.069 ms

Below is generated by plot.py at 2018-08-09 18:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.85 Mbit/s

95th percentile per-packet one-way delay: 88.427 ms

Loss rate: 1.03%

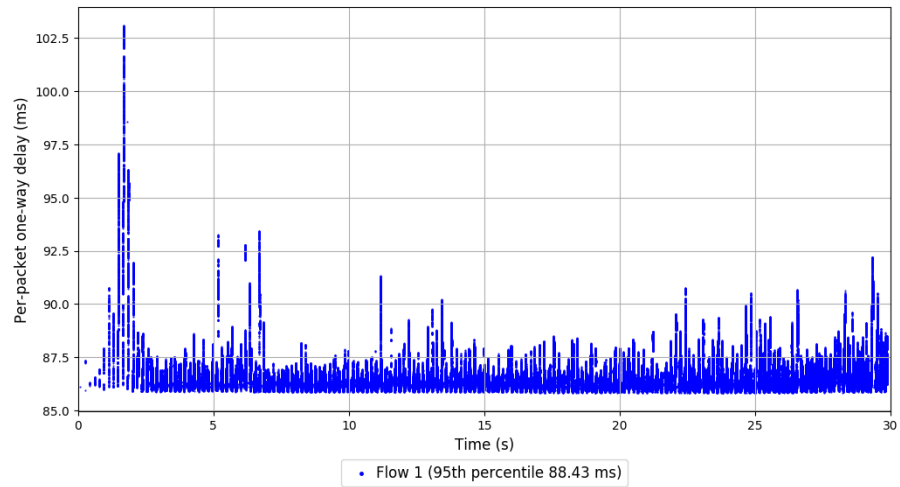
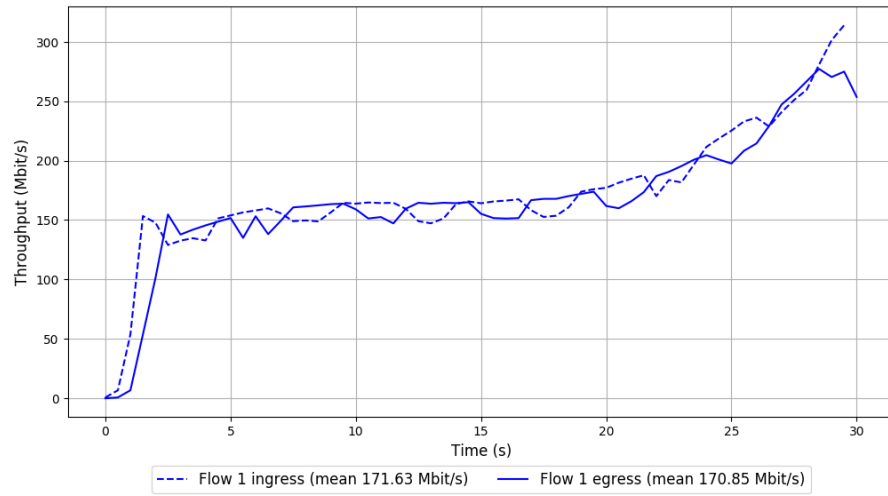
-- Flow 1:

Average throughput: 170.85 Mbit/s

95th percentile per-packet one-way delay: 88.427 ms

Loss rate: 1.03%

Run 10: Report of TCP Cubic — Data Link

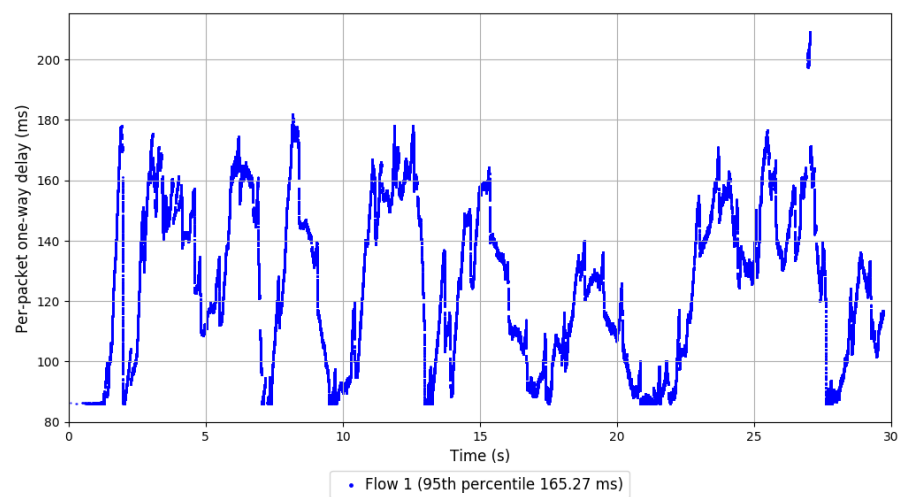
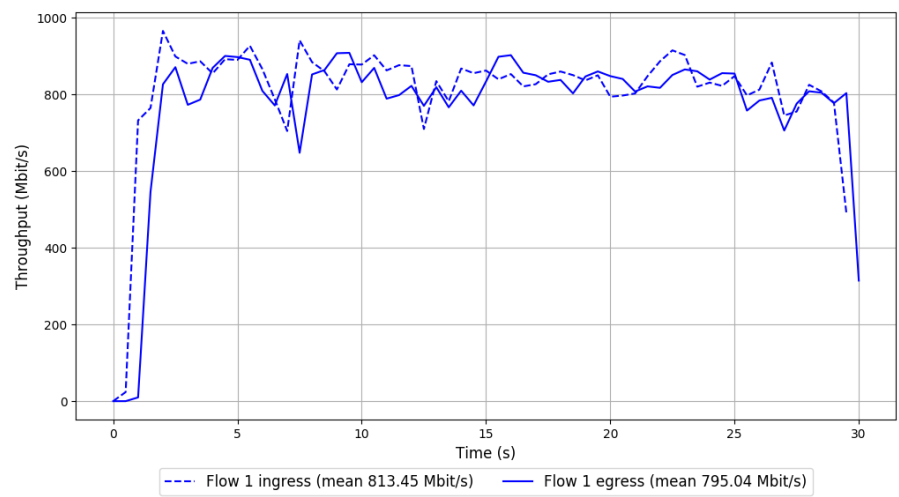


Run 1: Statistics of FillP

Start at: 2018-08-09 14:19:38
End at: 2018-08-09 14:20:08
Local clock offset: -0.094 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-08-09 18:39:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 795.04 Mbit/s
95th percentile per-packet one-way delay: 165.273 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 795.04 Mbit/s
95th percentile per-packet one-way delay: 165.273 ms
Loss rate: 2.83%

Run 1: Report of FillP — Data Link

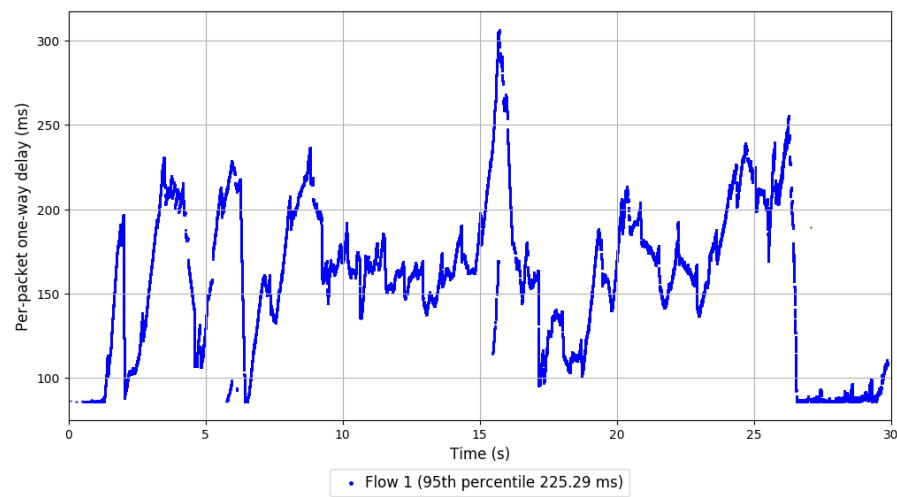
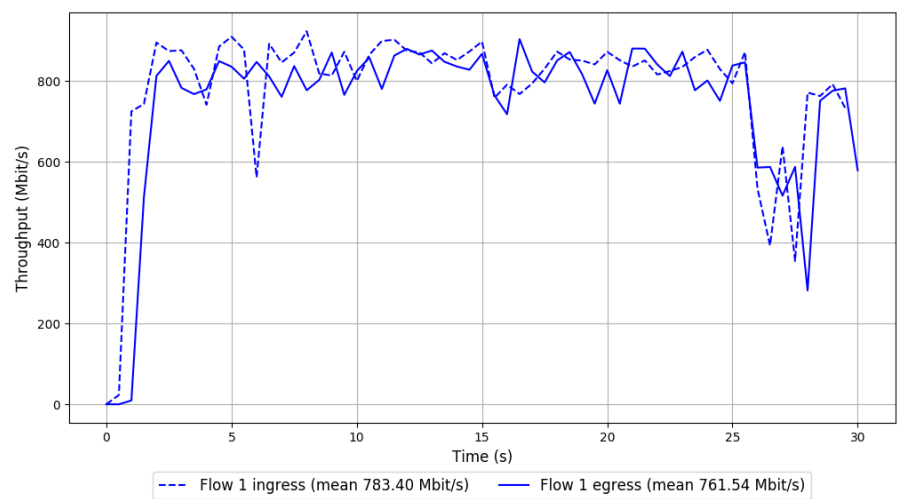


Run 2: Statistics of FillP

Start at: 2018-08-09 14:42:42
End at: 2018-08-09 14:43:12
Local clock offset: -0.091 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-09 18:39:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 761.54 Mbit/s
95th percentile per-packet one-way delay: 225.286 ms
Loss rate: 3.35%
-- Flow 1:
Average throughput: 761.54 Mbit/s
95th percentile per-packet one-way delay: 225.286 ms
Loss rate: 3.35%

Run 2: Report of FillP — Data Link

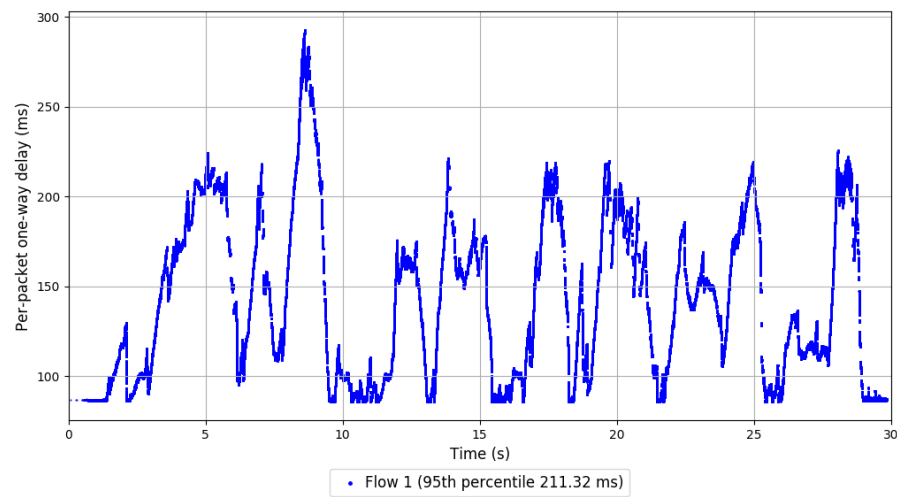
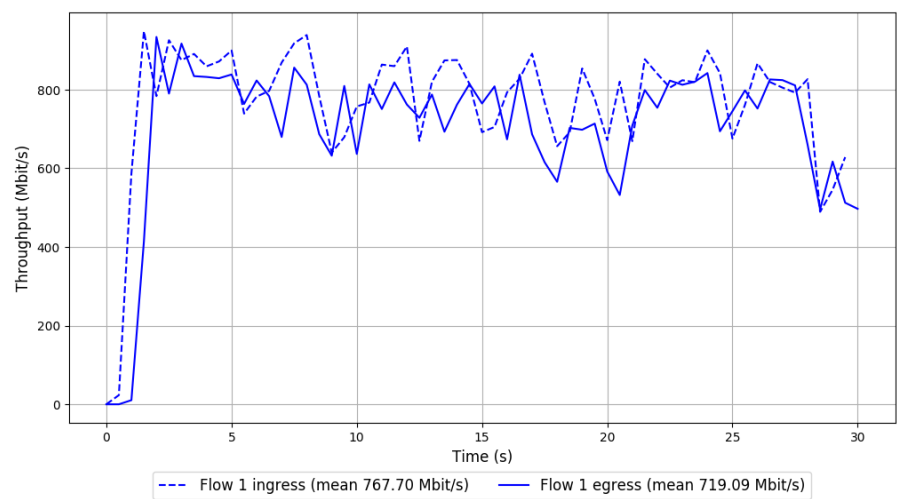


Run 3: Statistics of FillP

Start at: 2018-08-09 15:05:28
End at: 2018-08-09 15:05:58
Local clock offset: -0.24 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-08-09 18:39:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 719.09 Mbit/s
95th percentile per-packet one-way delay: 211.323 ms
Loss rate: 6.88%
-- Flow 1:
Average throughput: 719.09 Mbit/s
95th percentile per-packet one-way delay: 211.323 ms
Loss rate: 6.88%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-09 15:28:09

End at: 2018-08-09 15:28:39

Local clock offset: -0.193 ms

Remote clock offset: 1.506 ms

Below is generated by plot.py at 2018-08-09 18:39:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 690.48 Mbit/s

95th percentile per-packet one-way delay: 284.427 ms

Loss rate: 3.34%

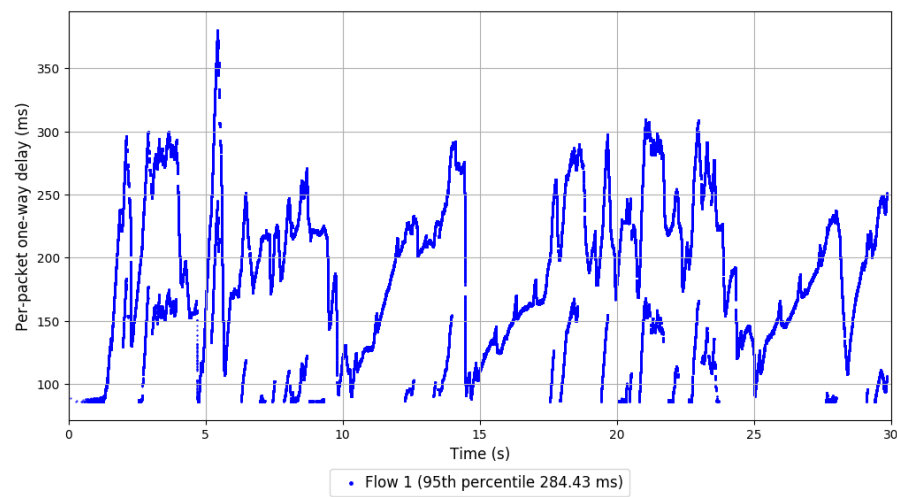
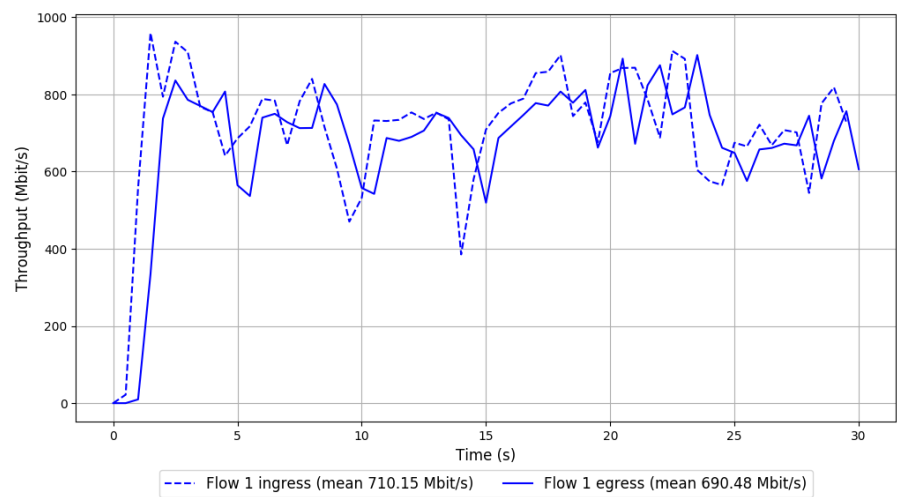
-- Flow 1:

Average throughput: 690.48 Mbit/s

95th percentile per-packet one-way delay: 284.427 ms

Loss rate: 3.34%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-09 15:51:07

End at: 2018-08-09 15:51:37

Local clock offset: -0.061 ms

Remote clock offset: 4.901 ms

Below is generated by plot.py at 2018-08-09 18:40:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 775.11 Mbit/s

95th percentile per-packet one-way delay: 244.255 ms

Loss rate: 4.78%

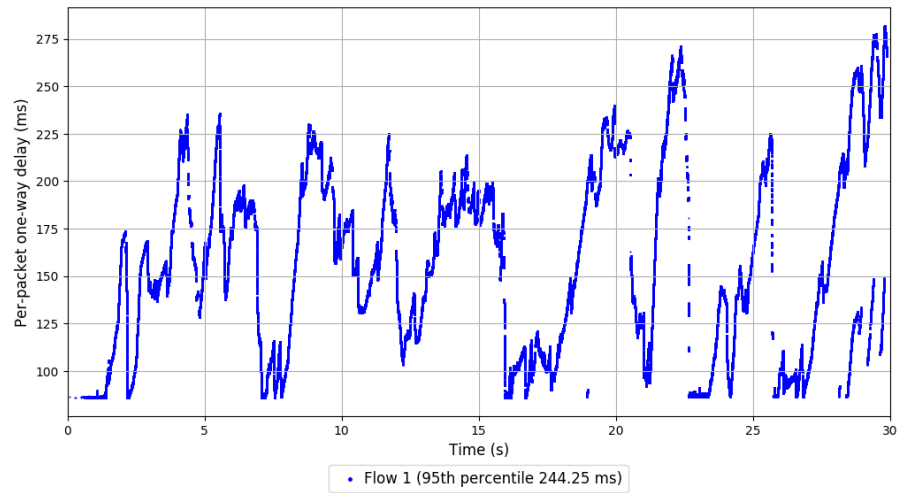
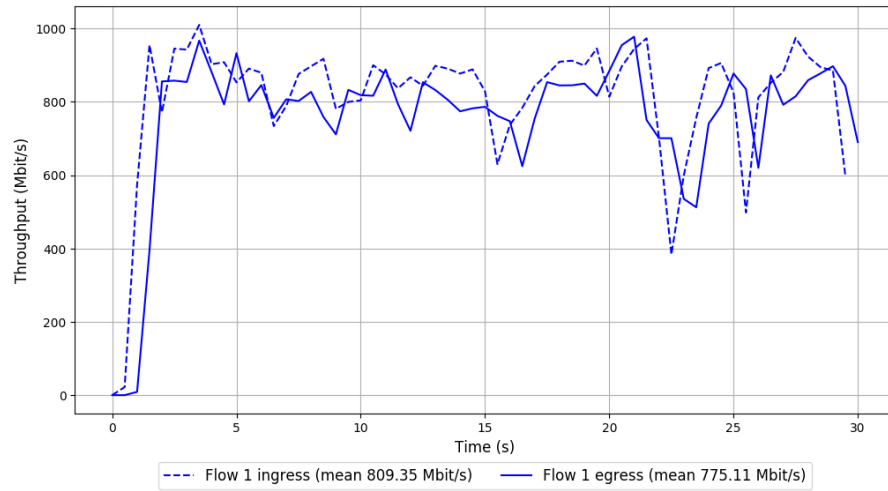
-- Flow 1:

Average throughput: 775.11 Mbit/s

95th percentile per-packet one-way delay: 244.255 ms

Loss rate: 4.78%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-09 16:13:47

End at: 2018-08-09 16:14:17

Local clock offset: -0.306 ms

Remote clock offset: 6.567 ms

Below is generated by plot.py at 2018-08-09 18:40:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.86 Mbit/s

95th percentile per-packet one-way delay: 262.902 ms

Loss rate: 2.65%

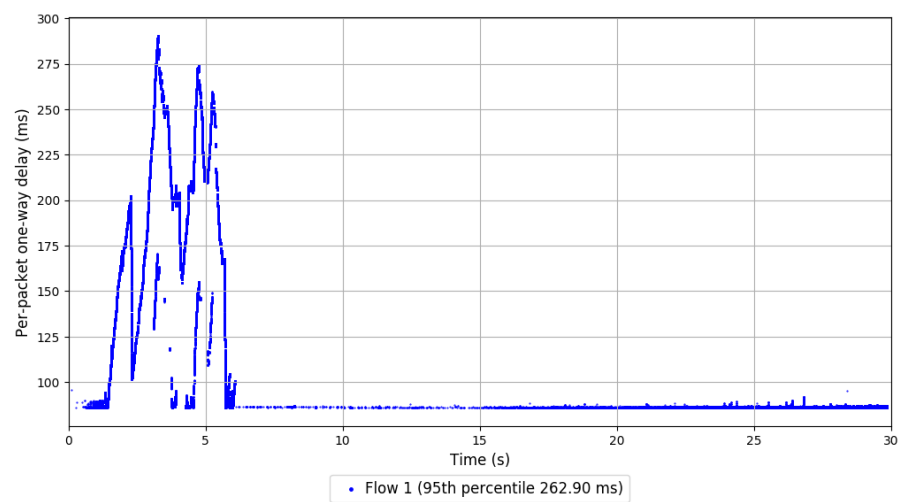
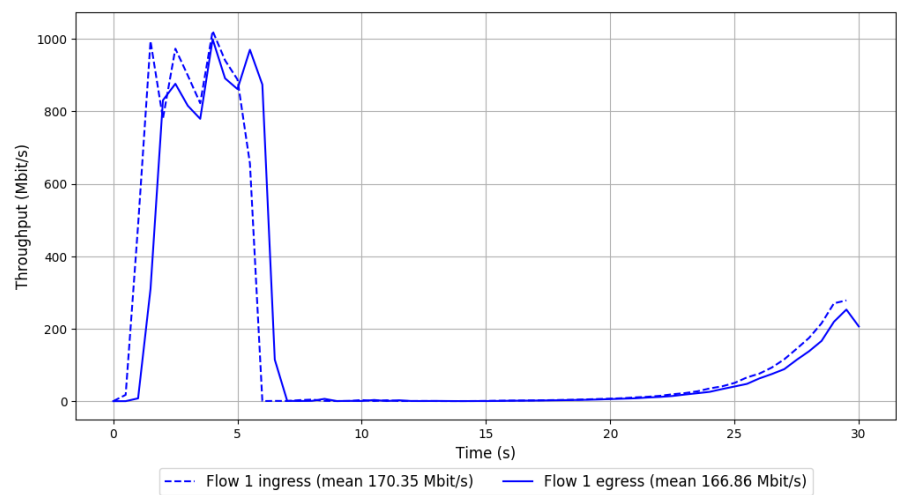
-- Flow 1:

Average throughput: 166.86 Mbit/s

95th percentile per-packet one-way delay: 262.902 ms

Loss rate: 2.65%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-08-09 16:36:23

End at: 2018-08-09 16:36:53

Local clock offset: -0.181 ms

Remote clock offset: 2.725 ms

Below is generated by plot.py at 2018-08-09 18:40:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 764.60 Mbit/s

95th percentile per-packet one-way delay: 270.833 ms

Loss rate: 5.21%

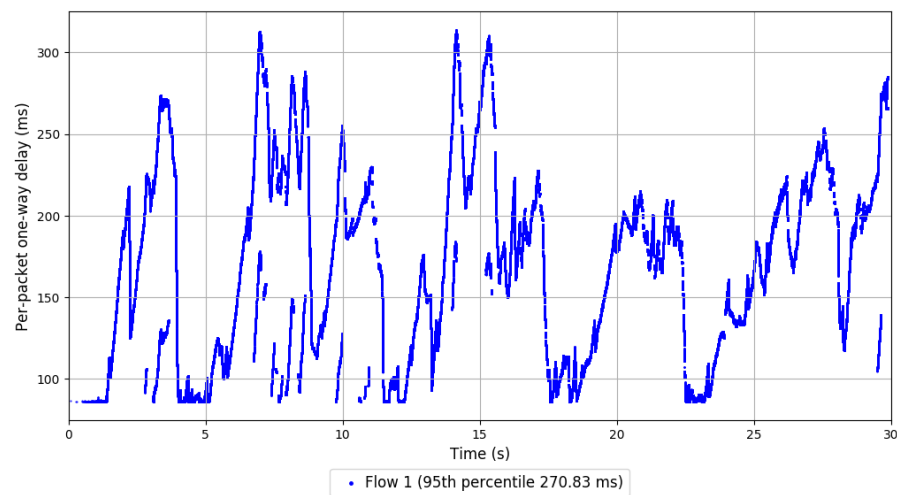
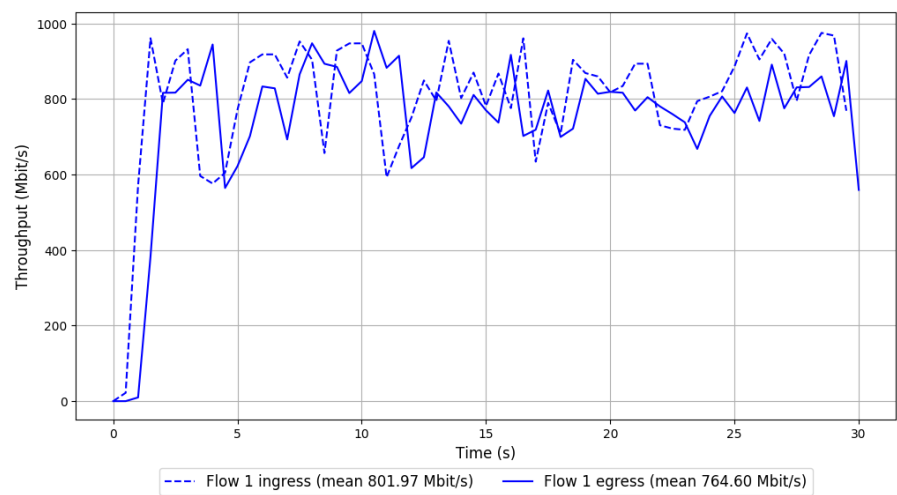
-- Flow 1:

Average throughput: 764.60 Mbit/s

95th percentile per-packet one-way delay: 270.833 ms

Loss rate: 5.21%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-09 16:59:22

End at: 2018-08-09 16:59:52

Local clock offset: -0.235 ms

Remote clock offset: 1.982 ms

Below is generated by plot.py at 2018-08-09 18:42:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 843.36 Mbit/s

95th percentile per-packet one-way delay: 254.954 ms

Loss rate: 1.14%

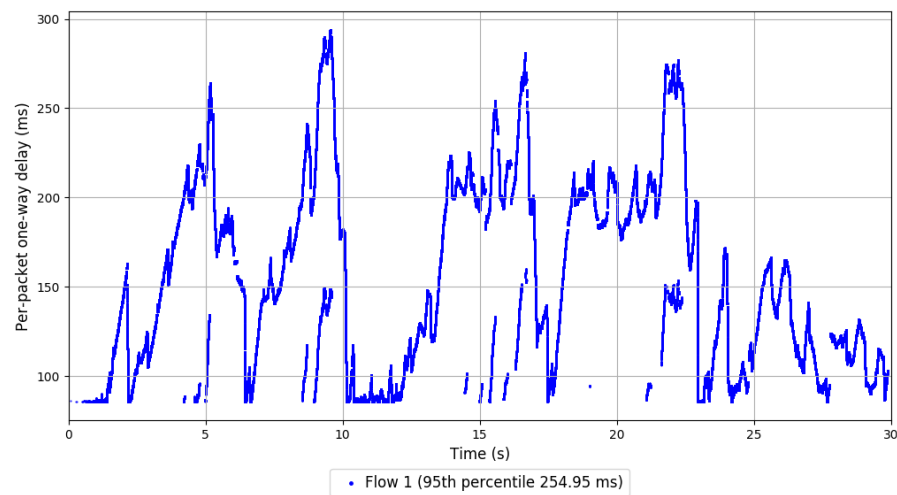
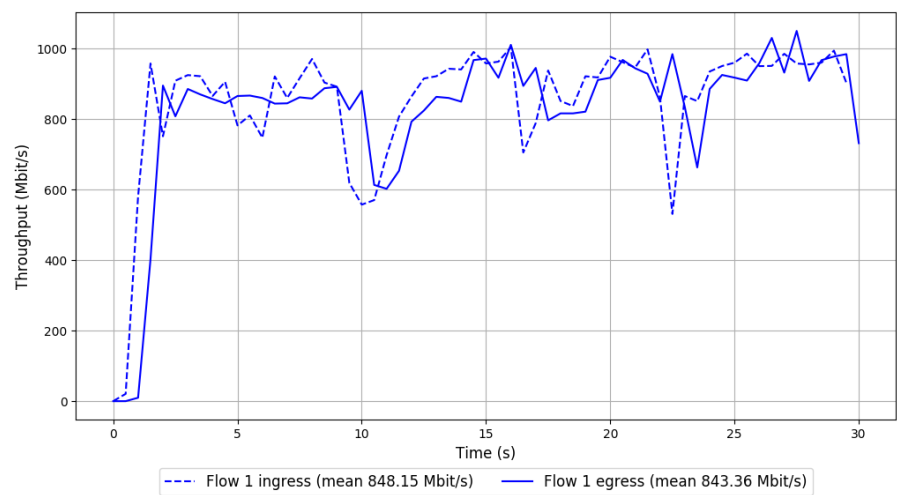
-- Flow 1:

Average throughput: 843.36 Mbit/s

95th percentile per-packet one-way delay: 254.954 ms

Loss rate: 1.14%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-09 17:22:30

End at: 2018-08-09 17:23:00

Local clock offset: -0.165 ms

Remote clock offset: 1.635 ms

Below is generated by plot.py at 2018-08-09 18:44:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 808.64 Mbit/s

95th percentile per-packet one-way delay: 264.510 ms

Loss rate: 1.43%

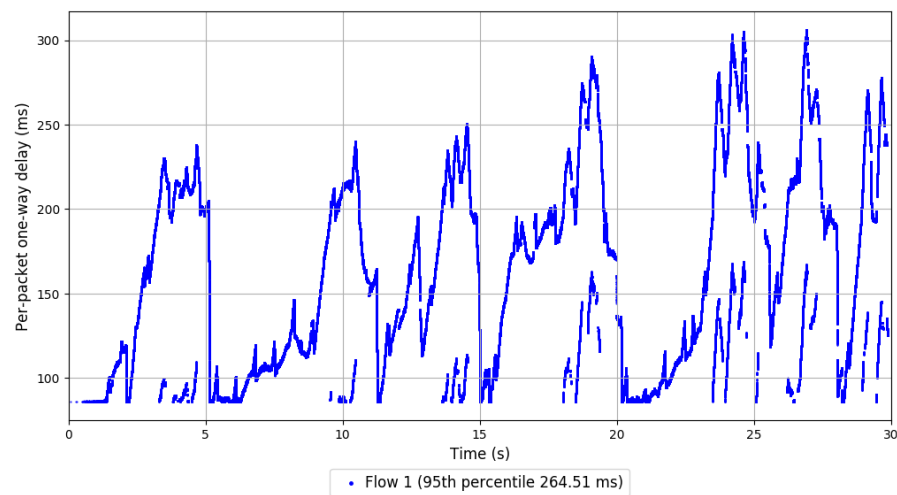
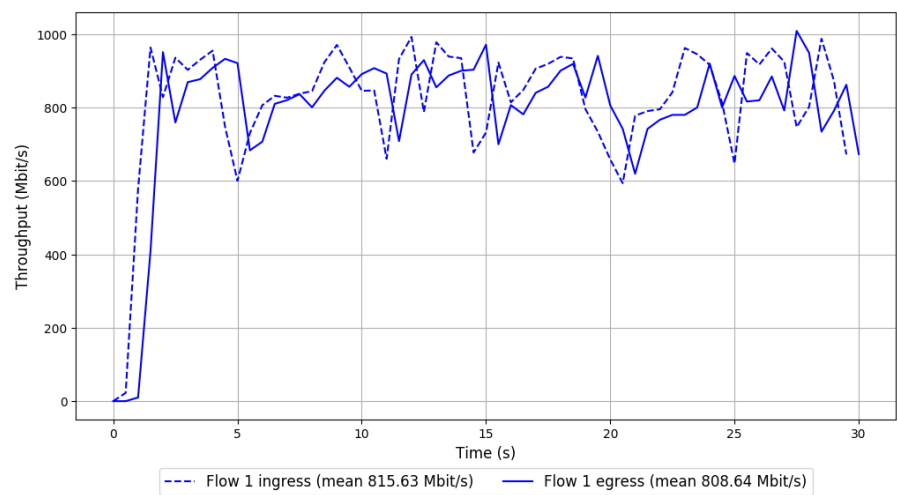
-- Flow 1:

Average throughput: 808.64 Mbit/s

95th percentile per-packet one-way delay: 264.510 ms

Loss rate: 1.43%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-09 17:45:28

End at: 2018-08-09 17:45:58

Local clock offset: 0.003 ms

Remote clock offset: 0.637 ms

Below is generated by plot.py at 2018-08-09 18:53:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 732.33 Mbit/s

95th percentile per-packet one-way delay: 214.752 ms

Loss rate: 6.54%

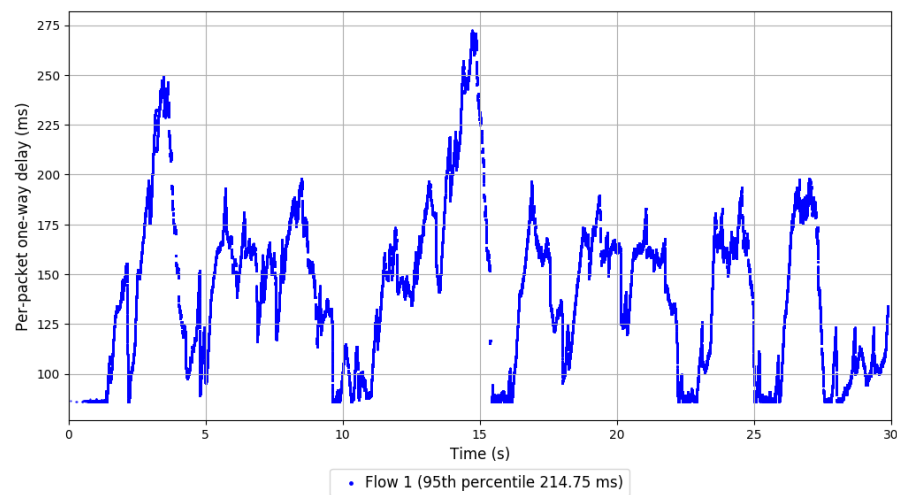
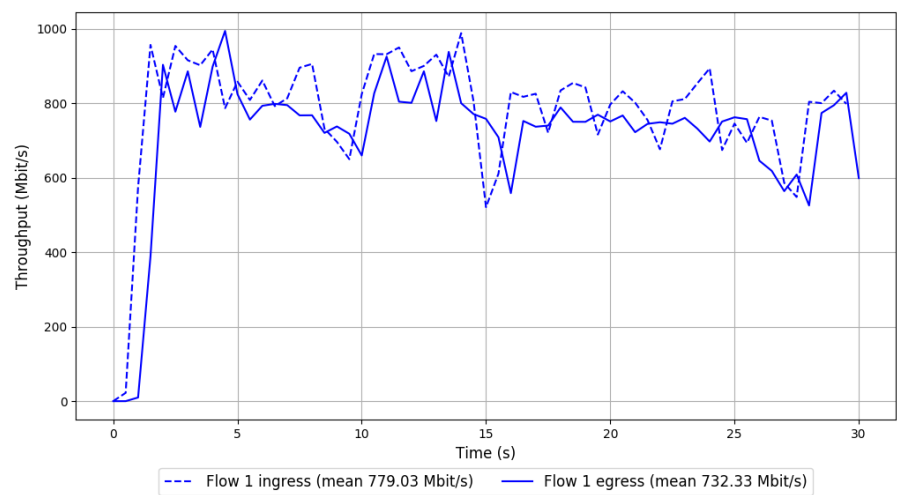
-- Flow 1:

Average throughput: 732.33 Mbit/s

95th percentile per-packet one-way delay: 214.752 ms

Loss rate: 6.54%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-09 14:09:52

End at: 2018-08-09 14:10:22

Local clock offset: 0.14 ms

Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-08-09 18:53:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 716.24 Mbit/s

95th percentile per-packet one-way delay: 182.420 ms

Loss rate: 2.38%

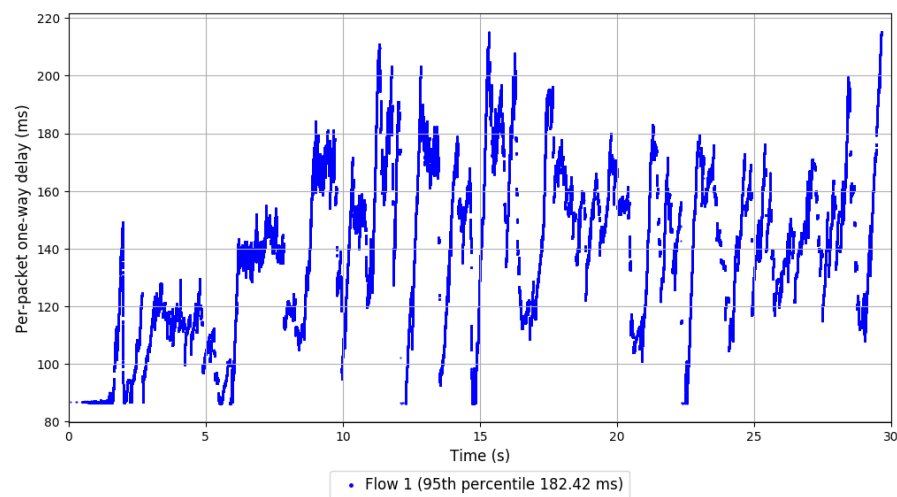
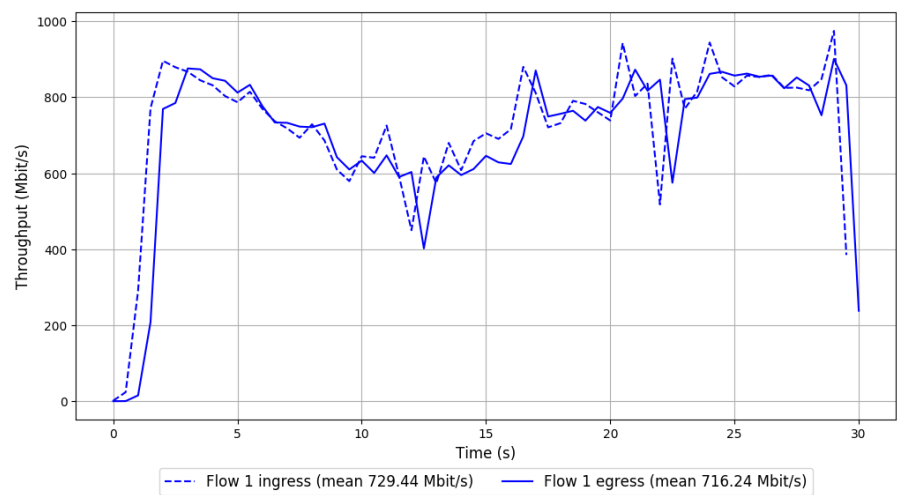
-- Flow 1:

Average throughput: 716.24 Mbit/s

95th percentile per-packet one-way delay: 182.420 ms

Loss rate: 2.38%

Run 1: Report of FillP-Sheep — Data Link

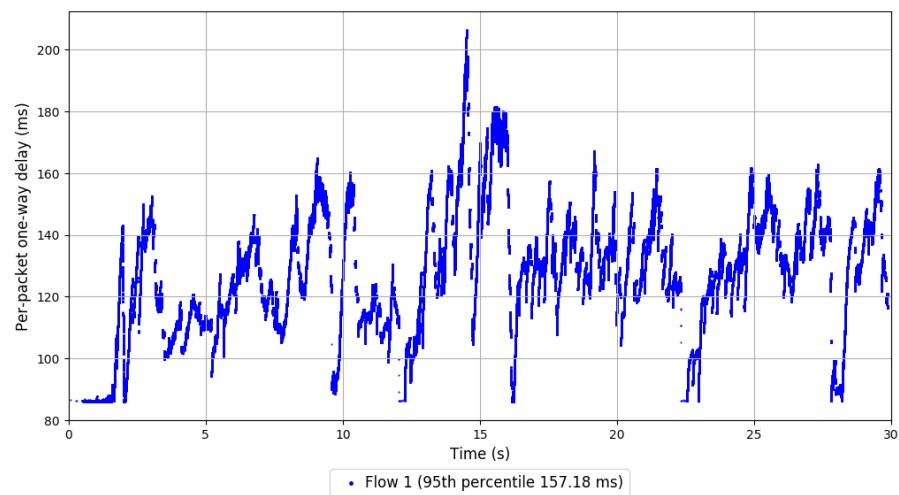
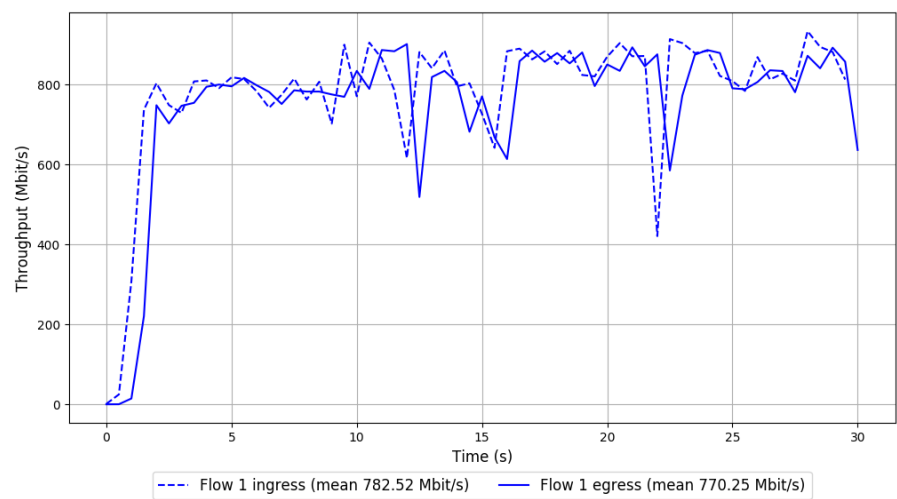


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-09 14:32:49
End at: 2018-08-09 14:33:19
Local clock offset: -0.051 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-09 18:54:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 770.25 Mbit/s
95th percentile per-packet one-way delay: 157.179 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 770.25 Mbit/s
95th percentile per-packet one-way delay: 157.179 ms
Loss rate: 2.14%

Run 2: Report of FillP-Sheep — Data Link

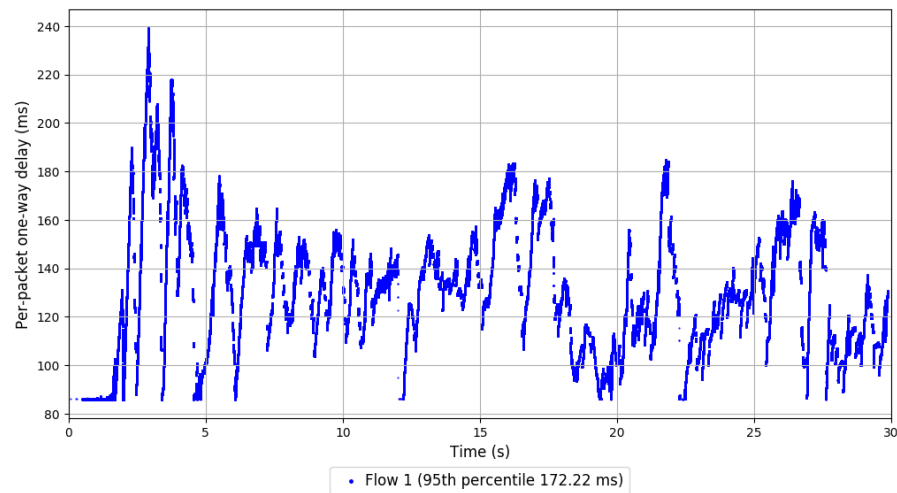
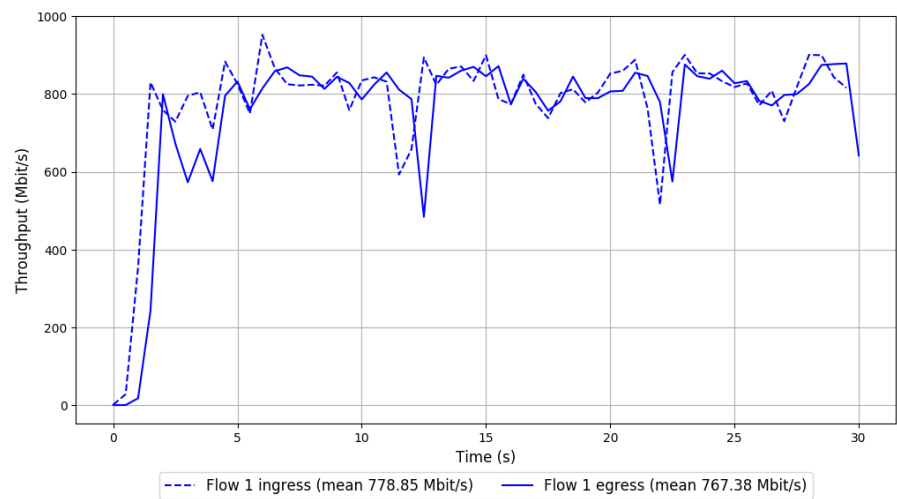


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-09 14:55:41
End at: 2018-08-09 14:56:11
Local clock offset: -0.394 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-09 18:55:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 767.38 Mbit/s
95th percentile per-packet one-way delay: 172.222 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 767.38 Mbit/s
95th percentile per-packet one-way delay: 172.222 ms
Loss rate: 2.04%

Run 3: Report of FillP-Sheep — Data Link

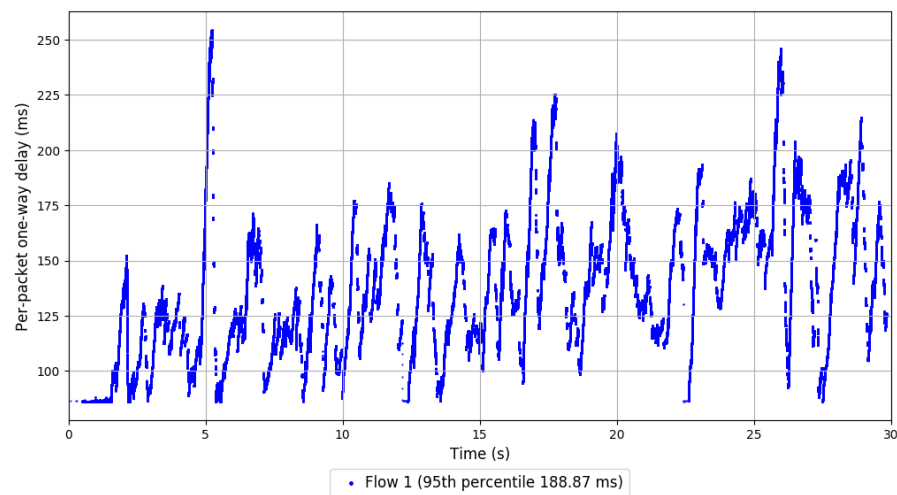
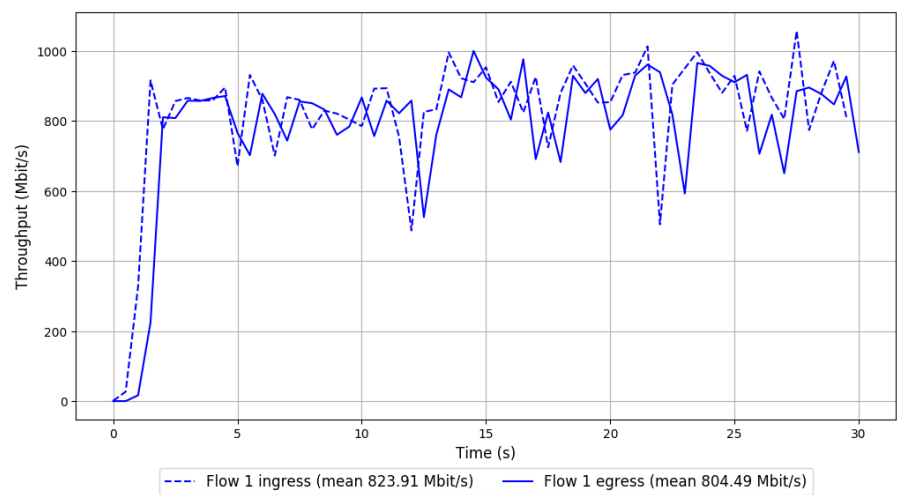


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-09 15:18:26
End at: 2018-08-09 15:18:56
Local clock offset: -0.027 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-08-09 18:56:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 804.49 Mbit/s
95th percentile per-packet one-way delay: 188.866 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 804.49 Mbit/s
95th percentile per-packet one-way delay: 188.866 ms
Loss rate: 2.92%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-09 15:41:11

End at: 2018-08-09 15:41:41

Local clock offset: 0.062 ms

Remote clock offset: 6.463 ms

Below is generated by plot.py at 2018-08-09 18:57:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 836.17 Mbit/s

95th percentile per-packet one-way delay: 178.976 ms

Loss rate: 0.92%

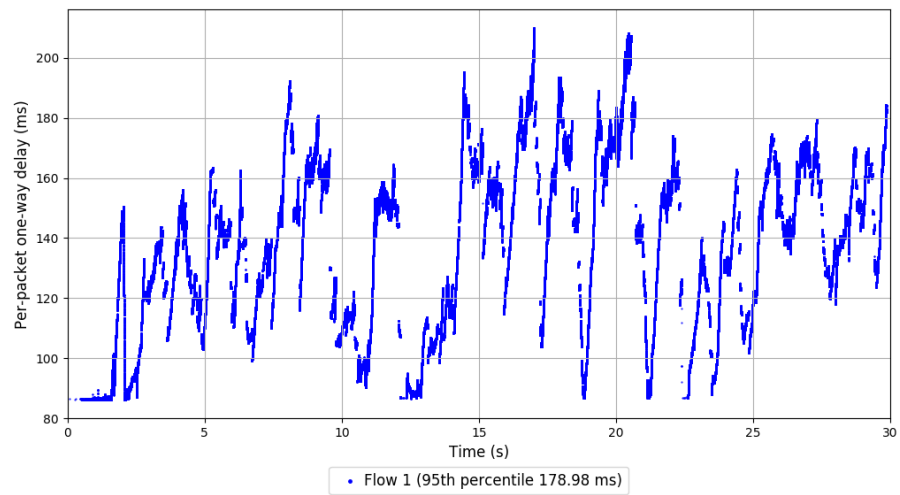
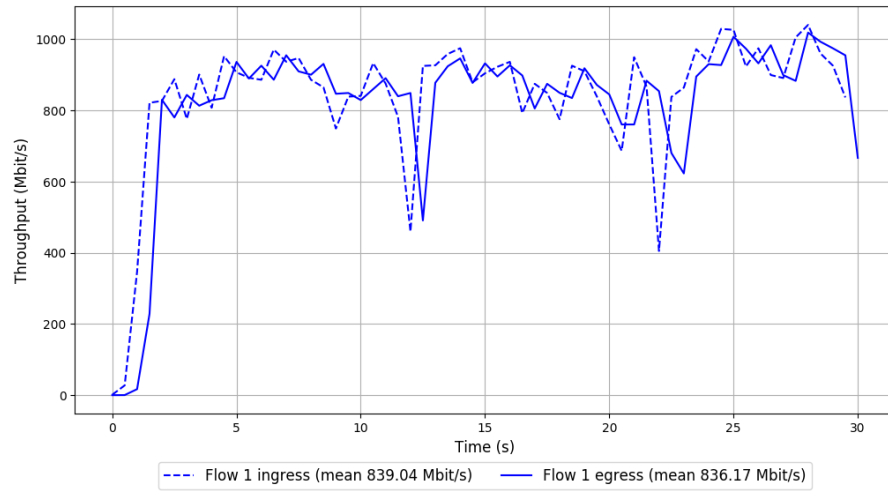
-- Flow 1:

Average throughput: 836.17 Mbit/s

95th percentile per-packet one-way delay: 178.976 ms

Loss rate: 0.92%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-09 16:04:09

End at: 2018-08-09 16:04:39

Local clock offset: -0.18 ms

Remote clock offset: 5.028 ms

Below is generated by plot.py at 2018-08-09 18:57:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 542.64 Mbit/s

95th percentile per-packet one-way delay: 263.946 ms

Loss rate: 2.06%

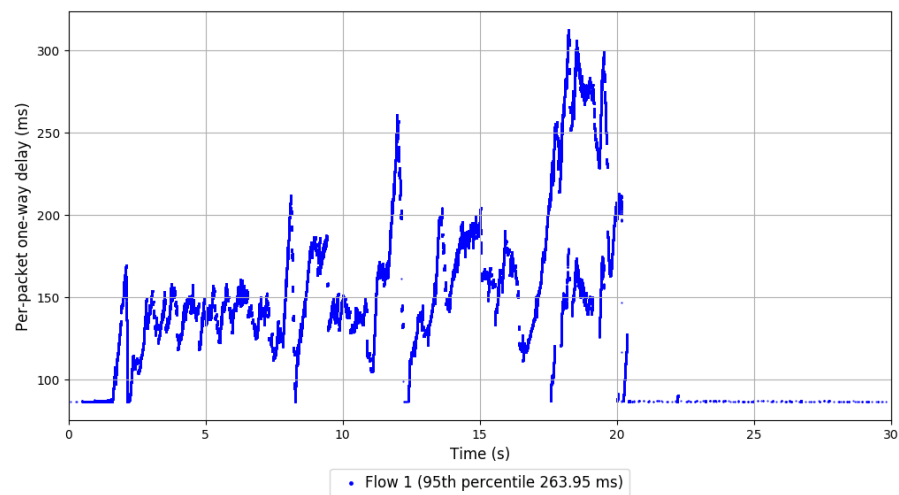
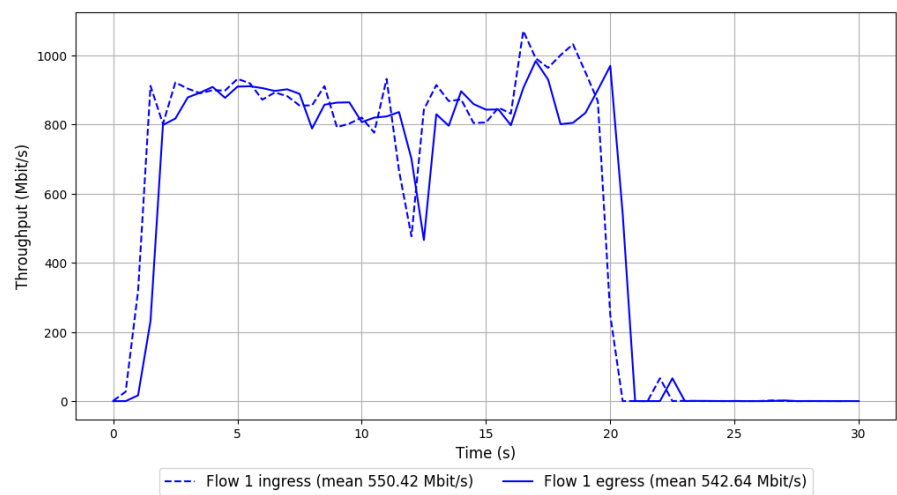
-- Flow 1:

Average throughput: 542.64 Mbit/s

95th percentile per-packet one-way delay: 263.946 ms

Loss rate: 2.06%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-09 16:26:36

End at: 2018-08-09 16:27:06

Local clock offset: 0.008 ms

Remote clock offset: 3.647 ms

Below is generated by plot.py at 2018-08-09 19:02:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 811.80 Mbit/s

95th percentile per-packet one-way delay: 204.286 ms

Loss rate: 2.77%

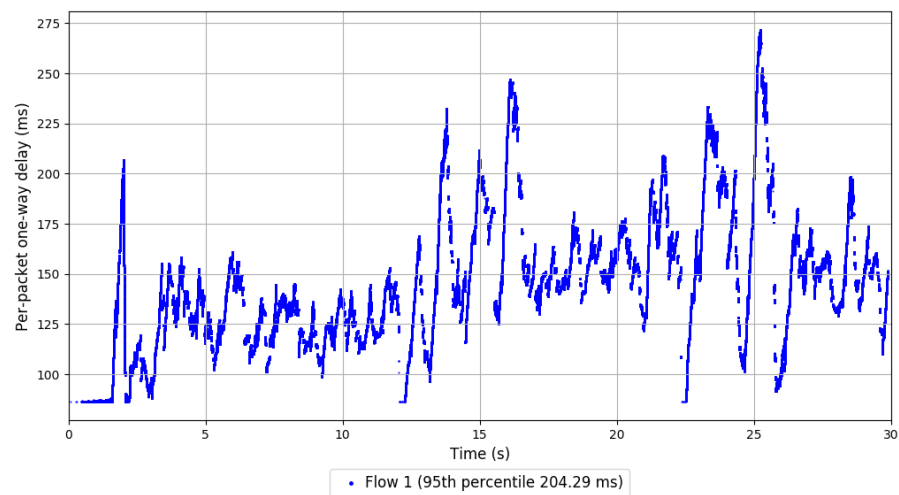
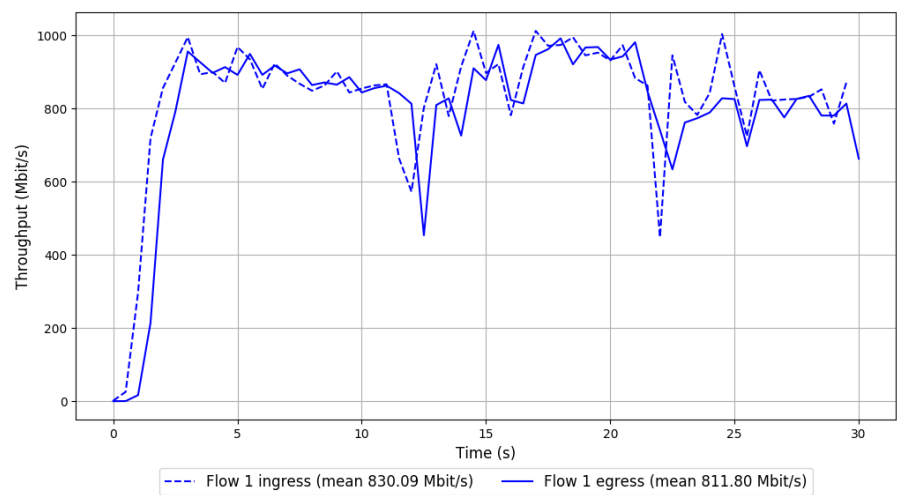
-- Flow 1:

Average throughput: 811.80 Mbit/s

95th percentile per-packet one-way delay: 204.286 ms

Loss rate: 2.77%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-09 16:49:29

End at: 2018-08-09 16:49:59

Local clock offset: -0.301 ms

Remote clock offset: 3.397 ms

Below is generated by plot.py at 2018-08-09 19:09:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 764.28 Mbit/s

95th percentile per-packet one-way delay: 179.657 ms

Loss rate: 2.19%

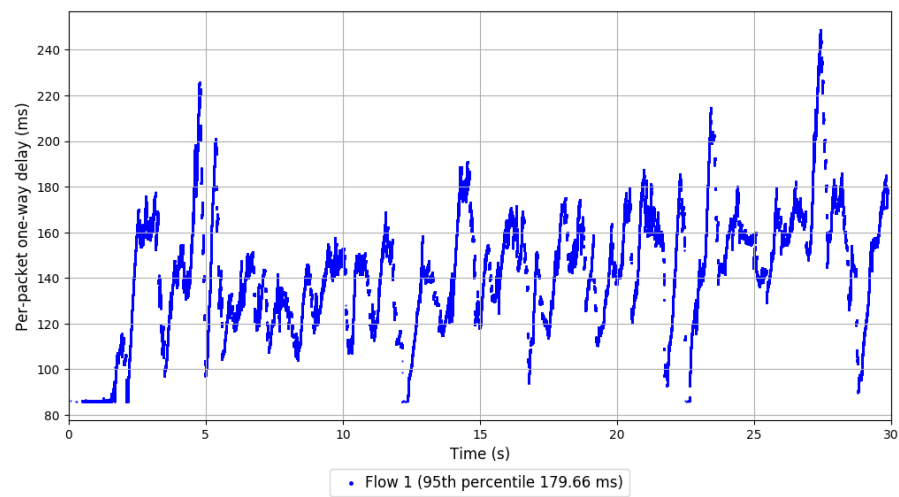
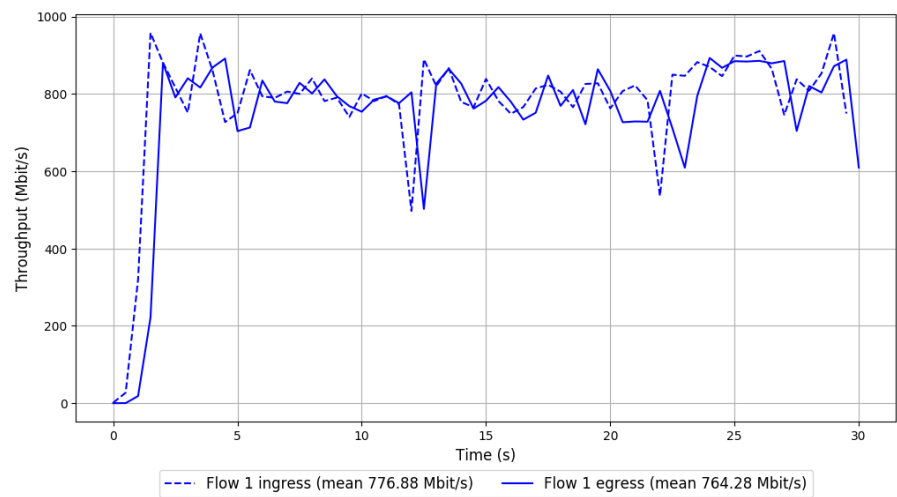
-- Flow 1:

Average throughput: 764.28 Mbit/s

95th percentile per-packet one-way delay: 179.657 ms

Loss rate: 2.19%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-09 17:12:41

End at: 2018-08-09 17:13:11

Local clock offset: -0.194 ms

Remote clock offset: 1.374 ms

Below is generated by plot.py at 2018-08-09 19:09:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 602.76 Mbit/s

95th percentile per-packet one-way delay: 284.015 ms

Loss rate: 3.45%

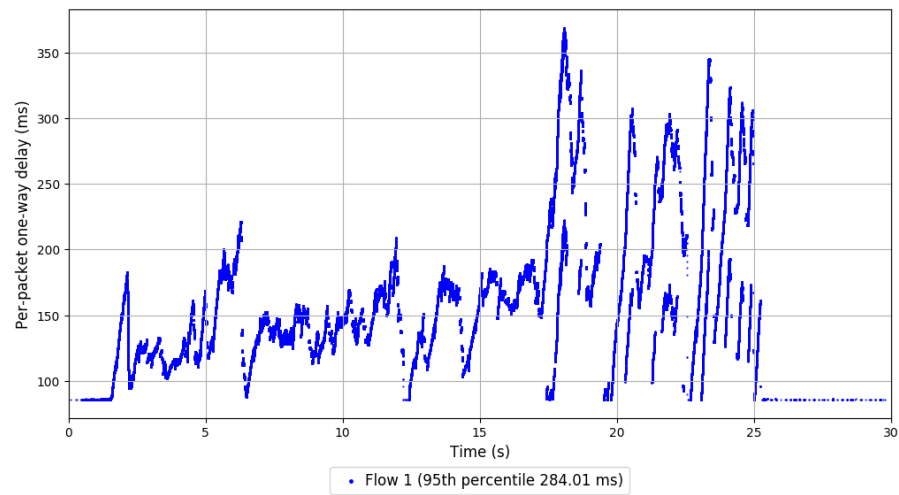
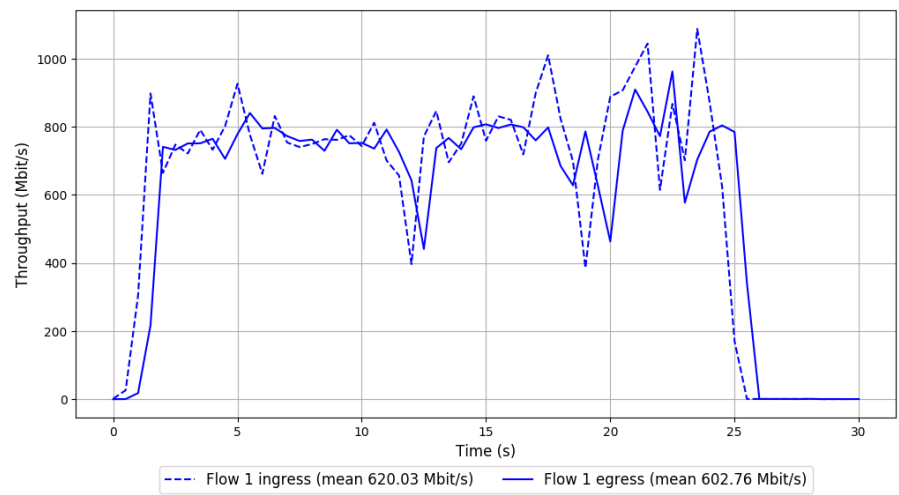
-- Flow 1:

Average throughput: 602.76 Mbit/s

95th percentile per-packet one-way delay: 284.015 ms

Loss rate: 3.45%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-09 17:35:37

End at: 2018-08-09 17:36:07

Local clock offset: -0.084 ms

Remote clock offset: 0.864 ms

Below is generated by plot.py at 2018-08-09 19:10:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 825.75 Mbit/s

95th percentile per-packet one-way delay: 180.653 ms

Loss rate: 1.78%

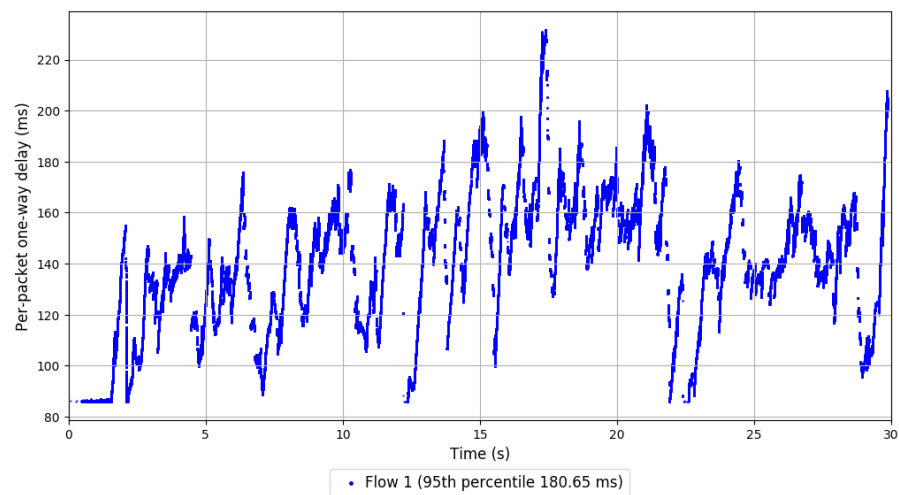
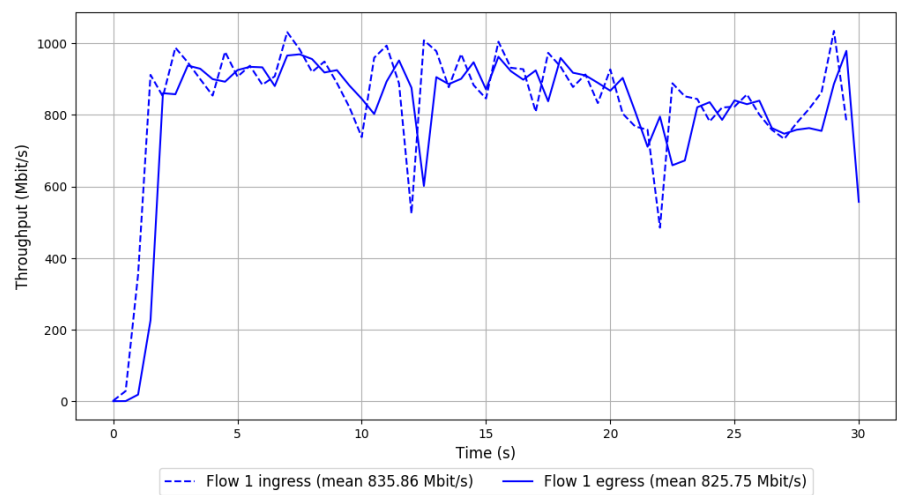
-- Flow 1:

Average throughput: 825.75 Mbit/s

95th percentile per-packet one-way delay: 180.653 ms

Loss rate: 1.78%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

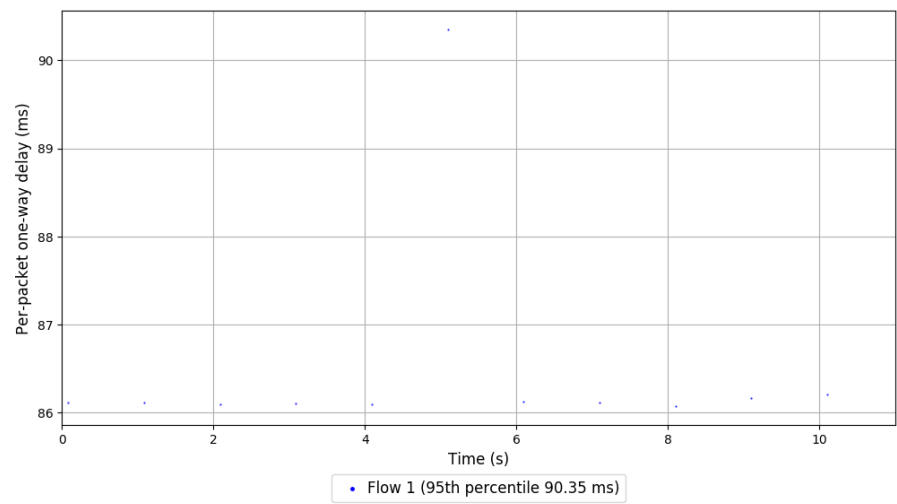
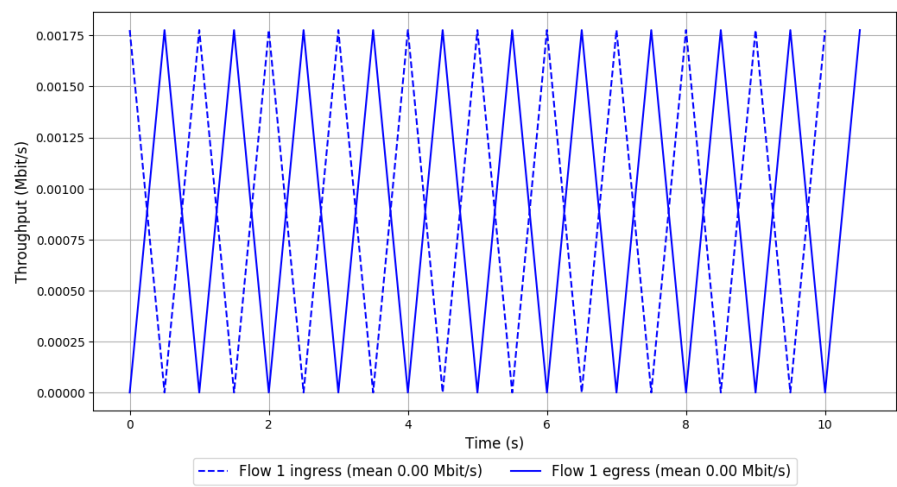
Start at: 2018-08-09 14:04:46

End at: 2018-08-09 14:05:16

Local clock offset: -0.064 ms

Remote clock offset: 0.01 ms

Run 1: Report of Indigo — Data Link

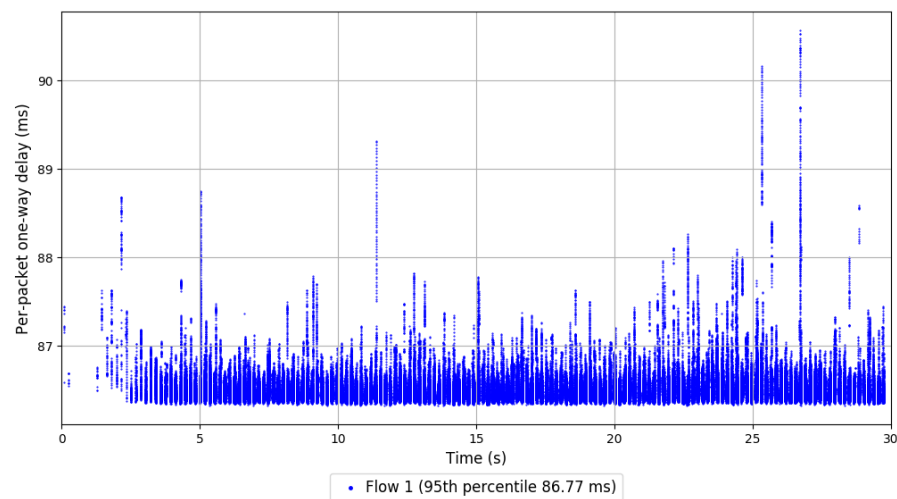
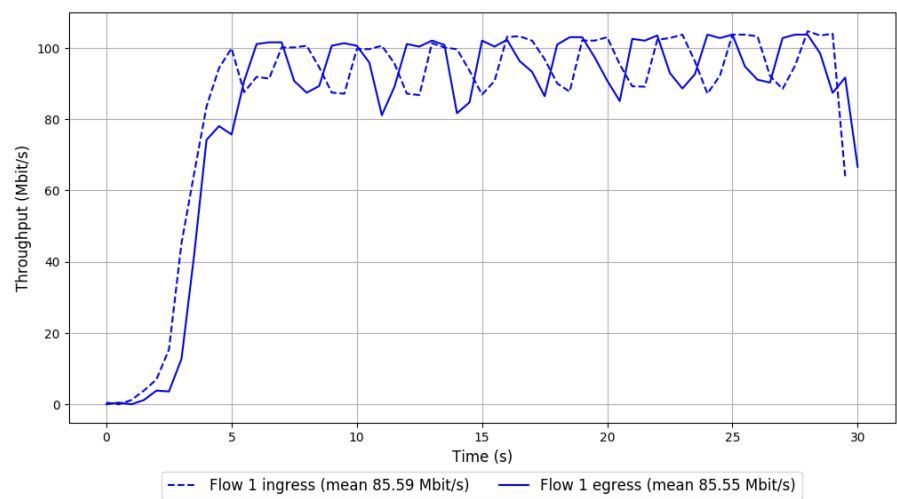


Run 2: Statistics of Indigo

Start at: 2018-08-09 14:27:22
End at: 2018-08-09 14:27:52
Local clock offset: -0.126 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-08-09 19:10:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.55 Mbit/s
95th percentile per-packet one-way delay: 86.773 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 85.55 Mbit/s
95th percentile per-packet one-way delay: 86.773 ms
Loss rate: 0.63%

Run 2: Report of Indigo — Data Link

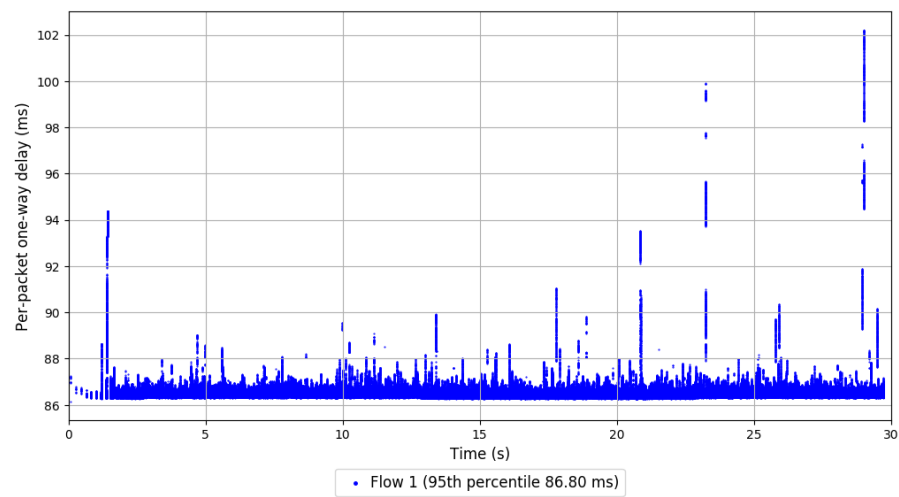
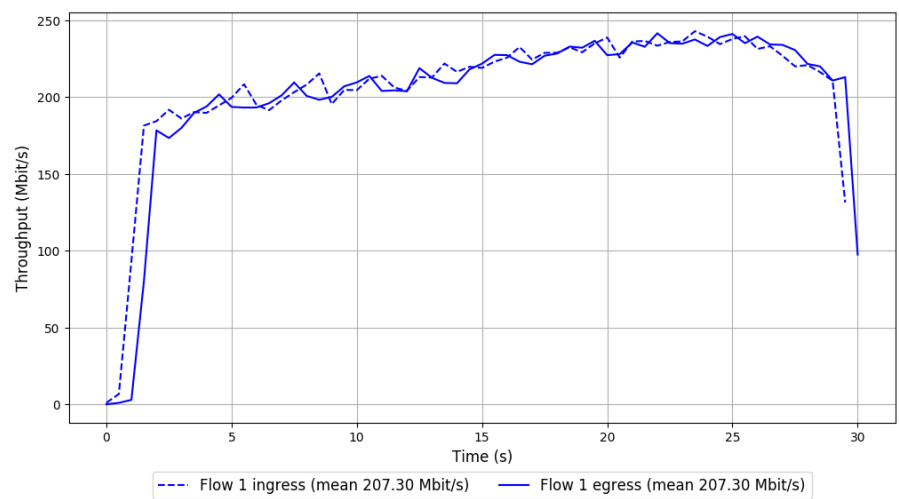


Run 3: Statistics of Indigo

Start at: 2018-08-09 14:50:24
End at: 2018-08-09 14:50:54
Local clock offset: -0.127 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-08-09 19:10:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.30 Mbit/s
95th percentile per-packet one-way delay: 86.804 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 207.30 Mbit/s
95th percentile per-packet one-way delay: 86.804 ms
Loss rate: 0.58%

Run 3: Report of Indigo — Data Link

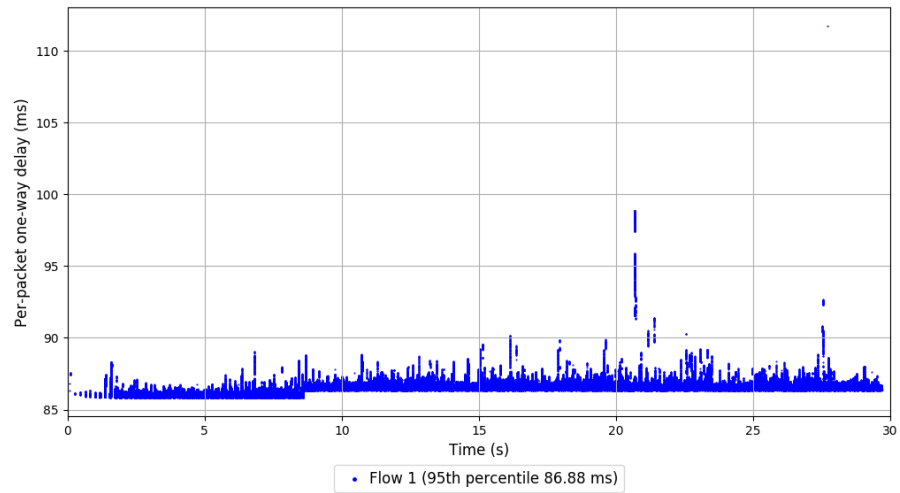
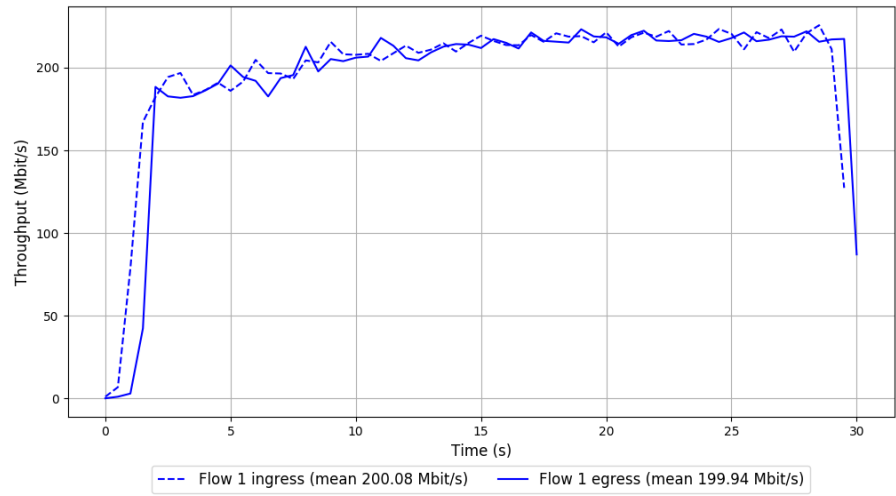


Run 4: Statistics of Indigo

Start at: 2018-08-09 15:13:08
End at: 2018-08-09 15:13:38
Local clock offset: -0.132 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-08-09 19:10:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.94 Mbit/s
95th percentile per-packet one-way delay: 86.881 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 199.94 Mbit/s
95th percentile per-packet one-way delay: 86.881 ms
Loss rate: 0.65%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-09 15:35:53

End at: 2018-08-09 15:36:23

Local clock offset: -0.066 ms

Remote clock offset: 4.397 ms

Below is generated by plot.py at 2018-08-09 19:10:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.58 Mbit/s

95th percentile per-packet one-way delay: 87.085 ms

Loss rate: 0.65%

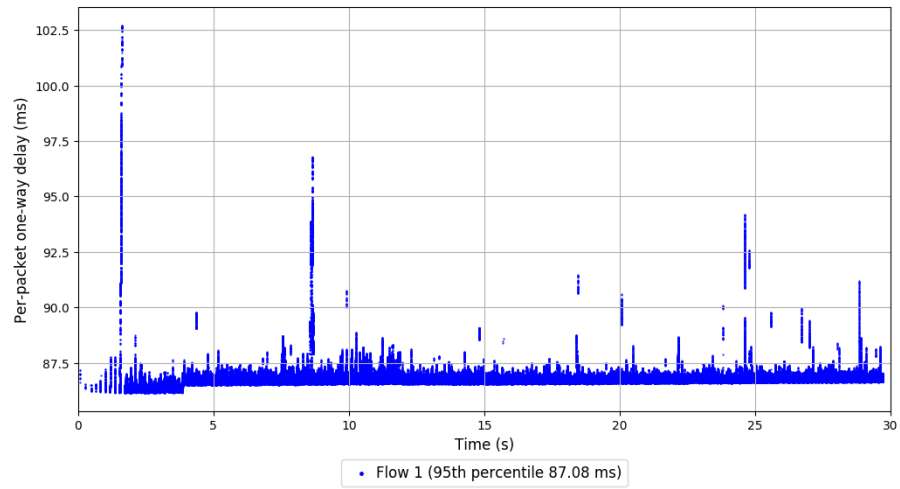
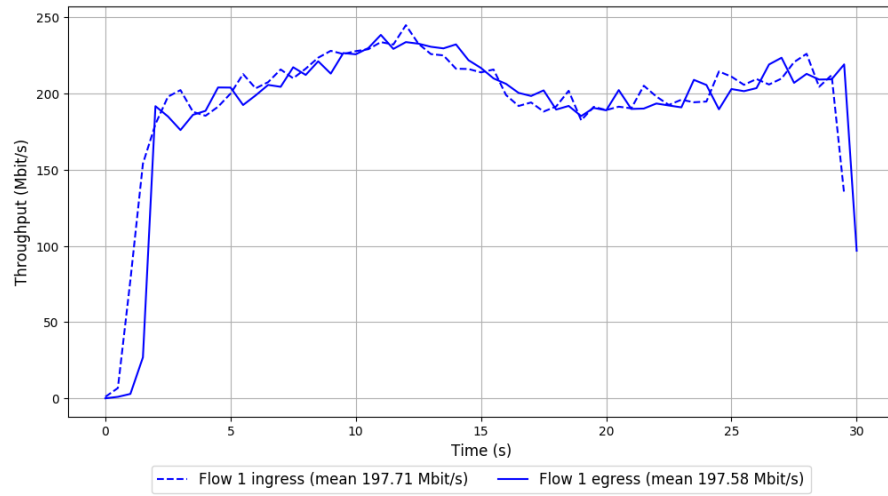
-- Flow 1:

Average throughput: 197.58 Mbit/s

95th percentile per-packet one-way delay: 87.085 ms

Loss rate: 0.65%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-09 15:58:50

End at: 2018-08-09 15:59:20

Local clock offset: -0.217 ms

Remote clock offset: 4.512 ms

Below is generated by plot.py at 2018-08-09 19:10:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.62 Mbit/s

95th percentile per-packet one-way delay: 87.000 ms

Loss rate: 0.67%

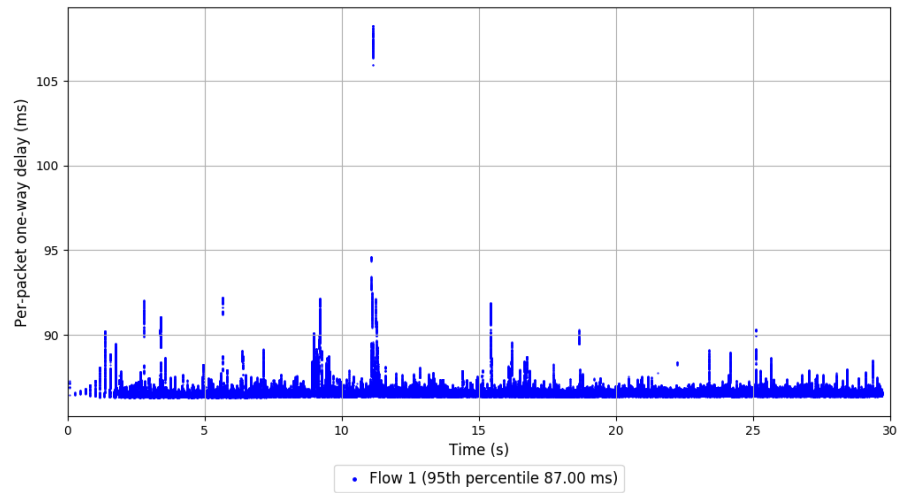
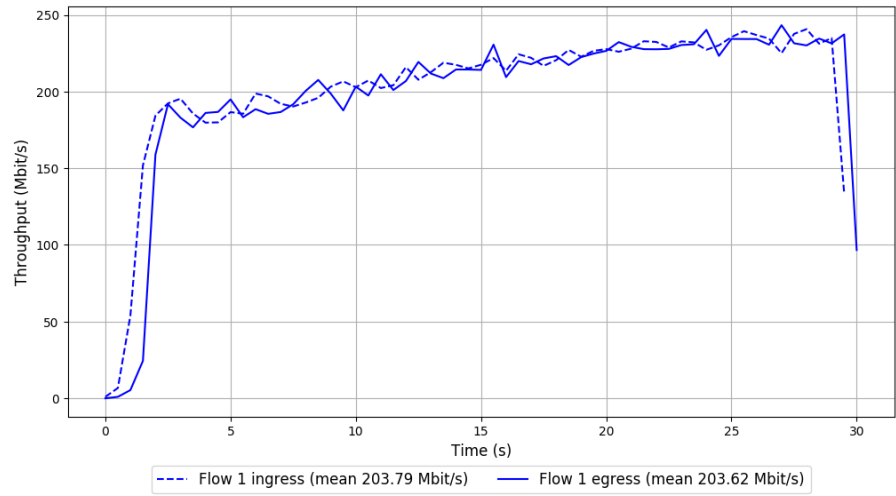
-- Flow 1:

Average throughput: 203.62 Mbit/s

95th percentile per-packet one-way delay: 87.000 ms

Loss rate: 0.67%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-09 16:21:07

End at: 2018-08-09 16:21:37

Local clock offset: -0.227 ms

Remote clock offset: 5.701 ms

Below is generated by plot.py at 2018-08-09 19:10:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.69 Mbit/s

95th percentile per-packet one-way delay: 87.656 ms

Loss rate: 0.68%

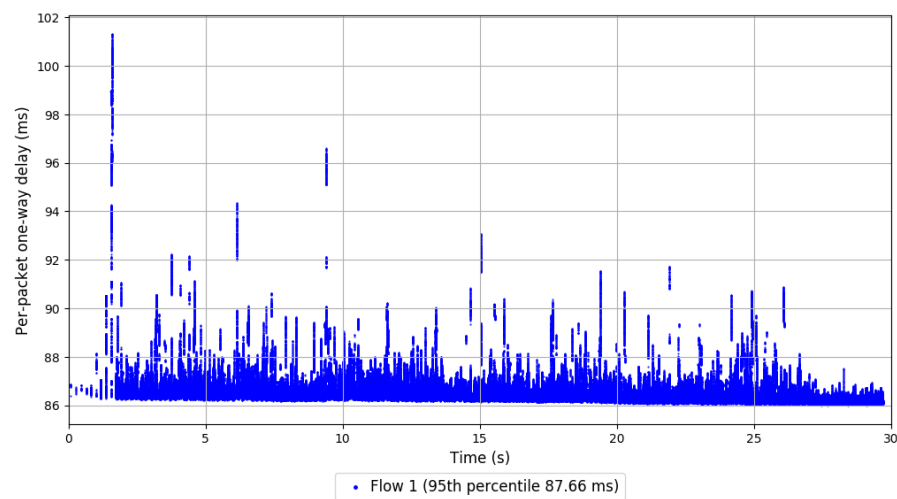
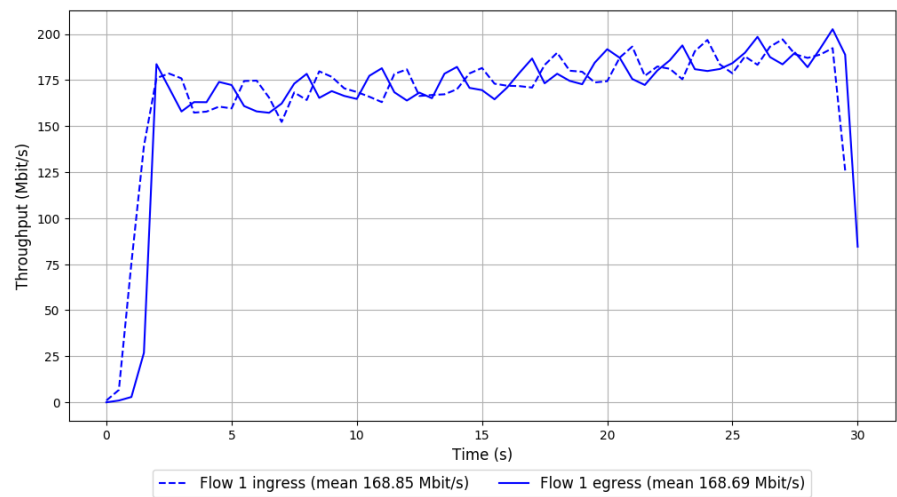
-- Flow 1:

Average throughput: 168.69 Mbit/s

95th percentile per-packet one-way delay: 87.656 ms

Loss rate: 0.68%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-09 16:44:12

End at: 2018-08-09 16:44:42

Local clock offset: -0.237 ms

Remote clock offset: 3.507 ms

Below is generated by plot.py at 2018-08-09 19:10:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.56 Mbit/s

95th percentile per-packet one-way delay: 86.361 ms

Loss rate: 0.66%

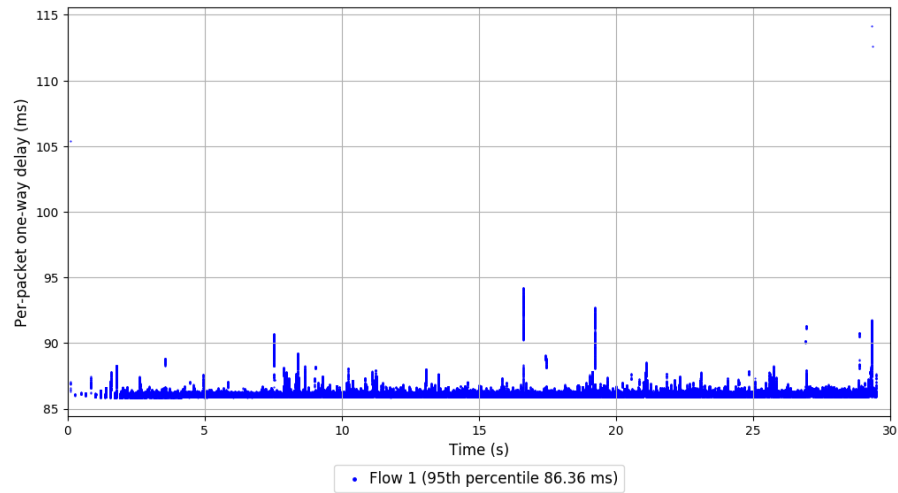
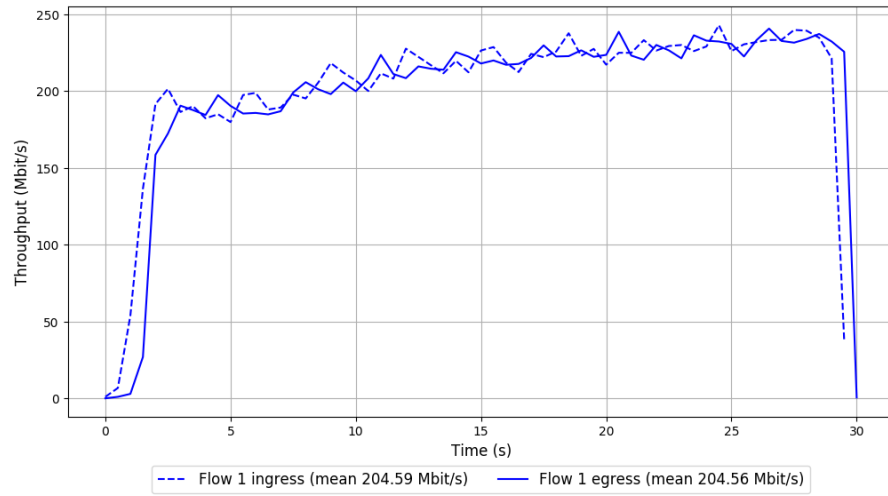
-- Flow 1:

Average throughput: 204.56 Mbit/s

95th percentile per-packet one-way delay: 86.361 ms

Loss rate: 0.66%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-09 17:07:22

End at: 2018-08-09 17:07:52

Local clock offset: -0.045 ms

Remote clock offset: 1.462 ms

Below is generated by plot.py at 2018-08-09 19:10:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.69 Mbit/s

95th percentile per-packet one-way delay: 86.206 ms

Loss rate: 0.55%

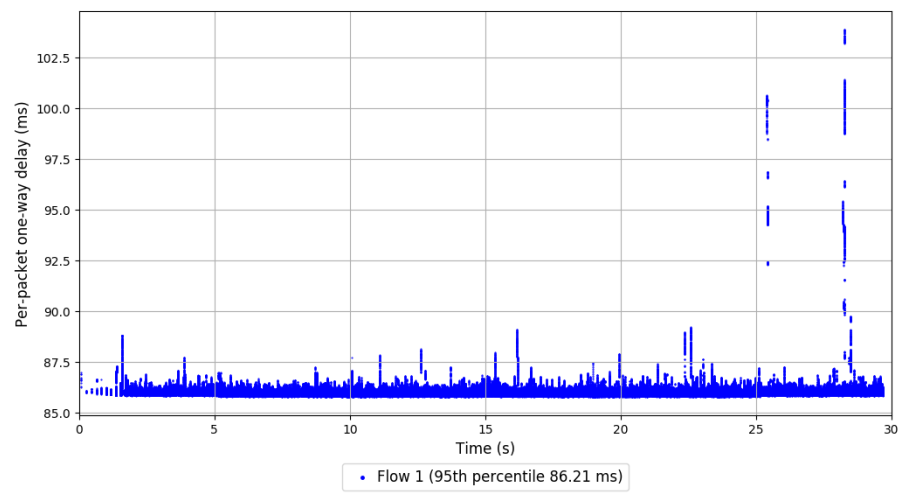
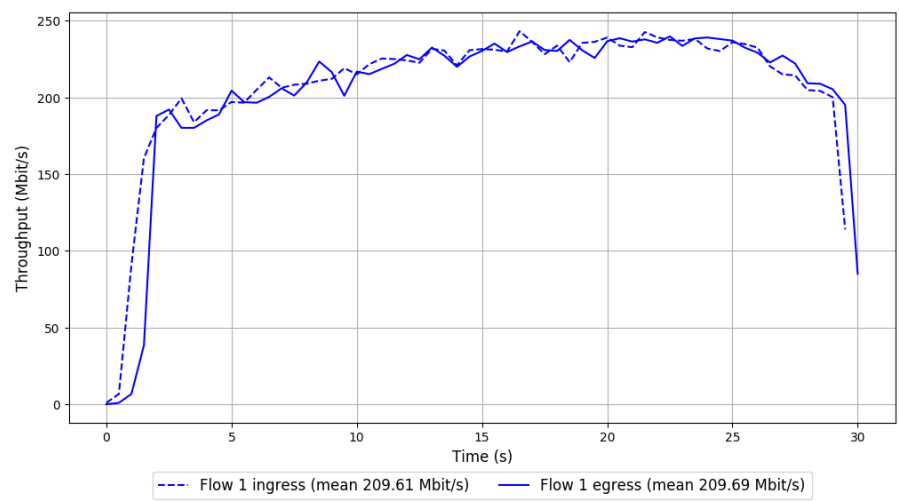
-- Flow 1:

Average throughput: 209.69 Mbit/s

95th percentile per-packet one-way delay: 86.206 ms

Loss rate: 0.55%

Run 9: Report of Indigo — Data Link

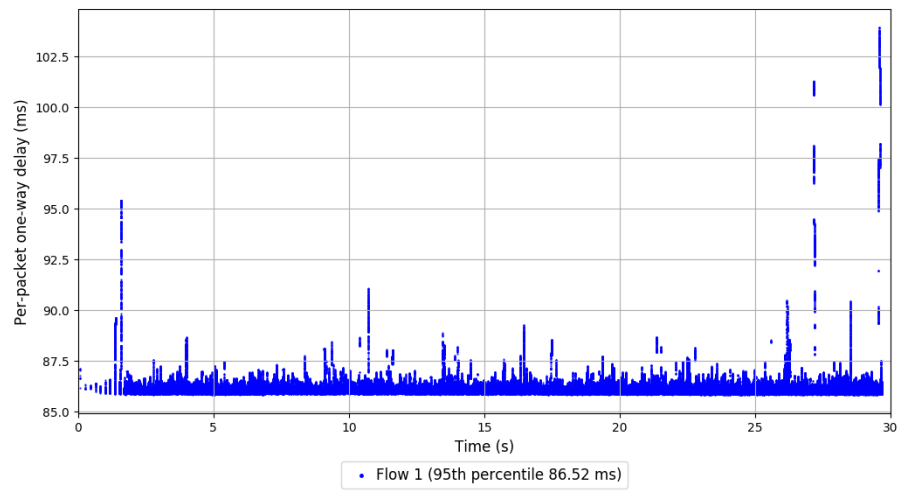
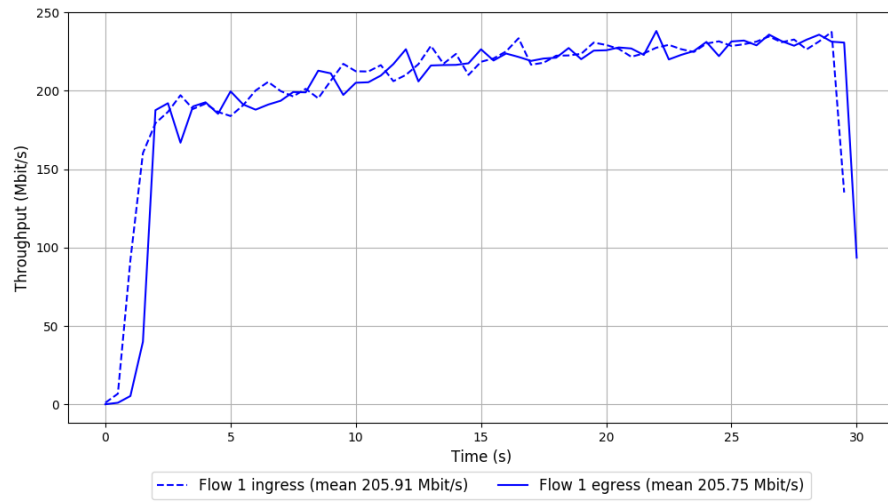


```
Run 10: Statistics of Indigo

Start at: 2018-08-09 17:30:20
End at: 2018-08-09 17:30:50
Local clock offset: -0.126 ms
Remote clock offset: 1.268 ms

# Below is generated by plot.py at 2018-08-09 19:10:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.75 Mbit/s
95th percentile per-packet one-way delay: 86.524 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 205.75 Mbit/s
95th percentile per-packet one-way delay: 86.524 ms
Loss rate: 0.66%
```

Run 10: Report of Indigo — Data Link

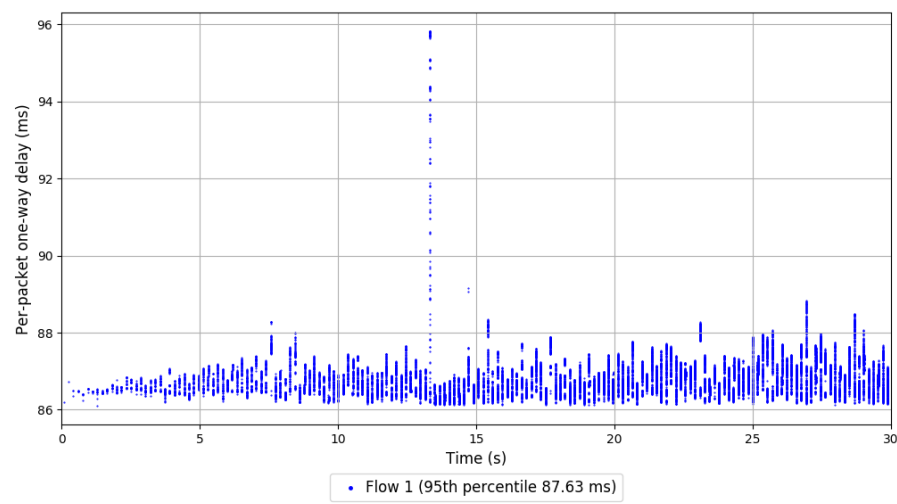
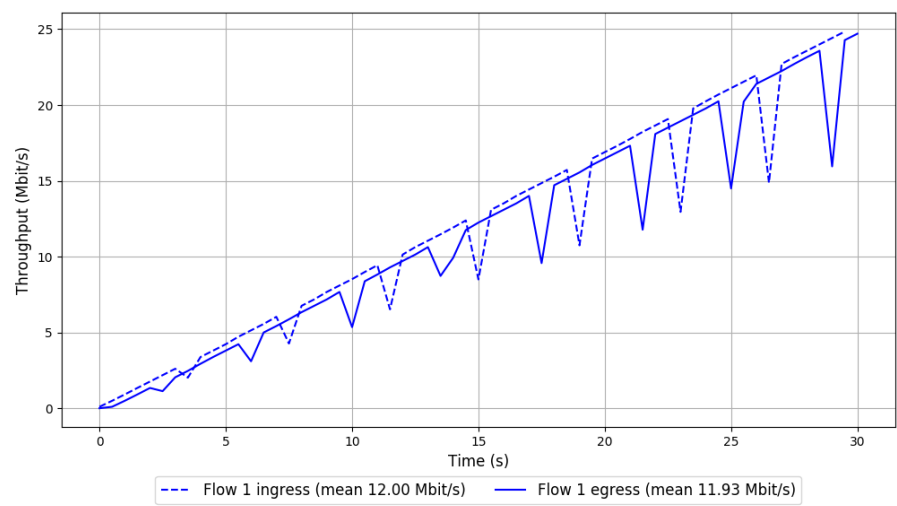


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-09 14:18:30
End at: 2018-08-09 14:19:00
Local clock offset: -0.284 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-08-09 19:10:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 87.626 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 87.626 ms
Loss rate: 1.16%
```

Run 1: Report of LEDBAT — Data Link

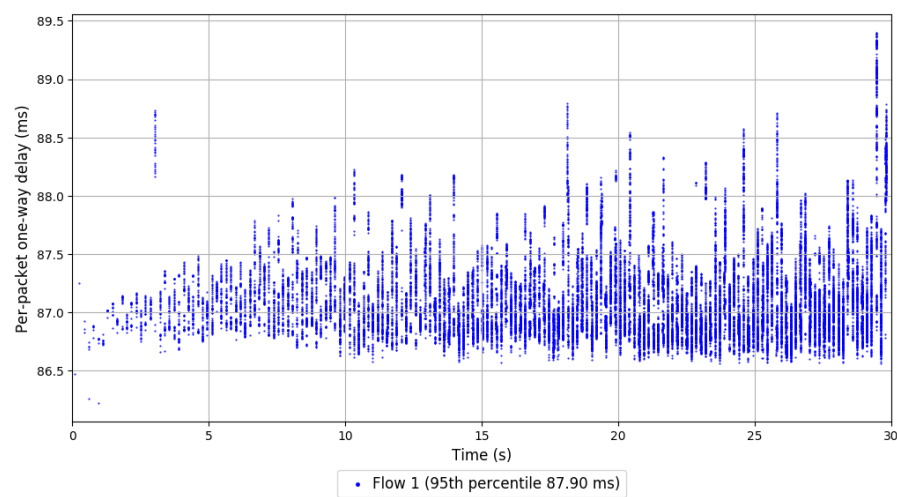
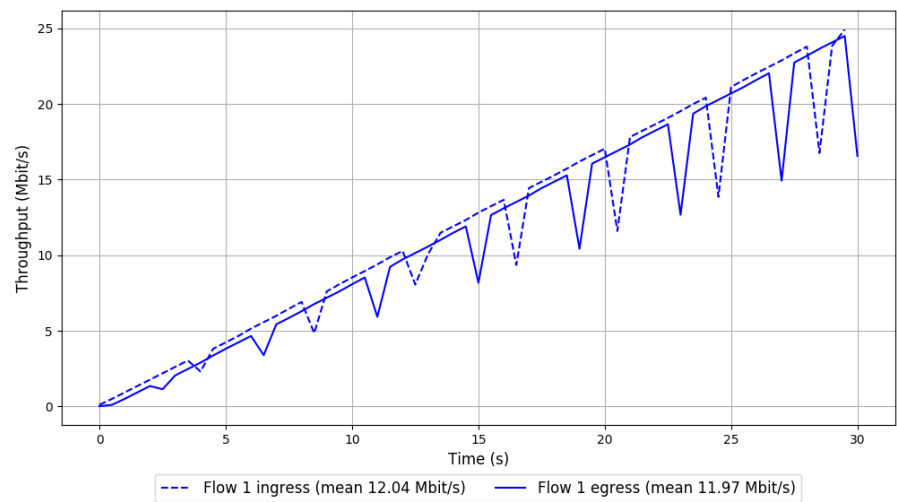


```
Run 2: Statistics of LEDBAT

Start at: 2018-08-09 14:41:34
End at: 2018-08-09 14:42:04
Local clock offset: 0.066 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-08-09 19:10:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 87.900 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 87.900 ms
Loss rate: 1.16%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-09 15:04:20

End at: 2018-08-09 15:04:50

Local clock offset: 0.144 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-08-09 19:10:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.97 Mbit/s

95th percentile per-packet one-way delay: 88.070 ms

Loss rate: 1.16%

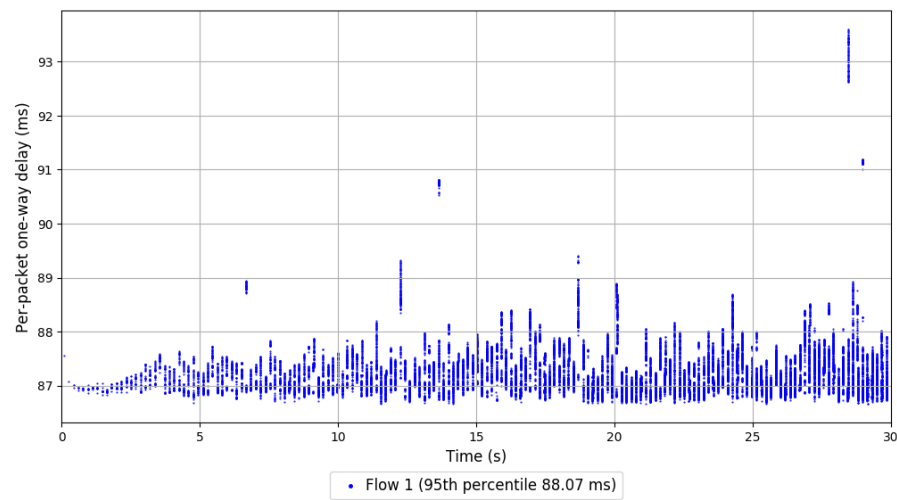
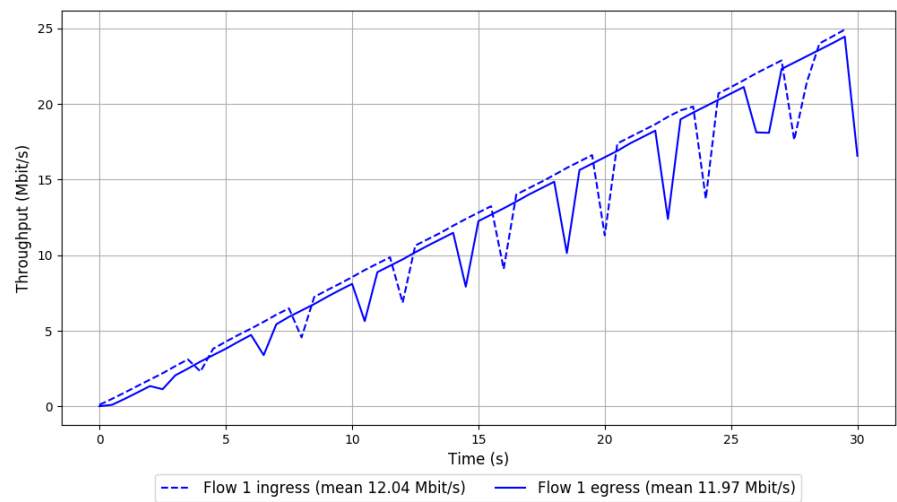
-- Flow 1:

Average throughput: 11.97 Mbit/s

95th percentile per-packet one-way delay: 88.070 ms

Loss rate: 1.16%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-09 15:27:01

End at: 2018-08-09 15:27:31

Local clock offset: -0.085 ms

Remote clock offset: 0.986 ms

Below is generated by plot.py at 2018-08-09 19:10:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 88.145 ms

Loss rate: 1.16%

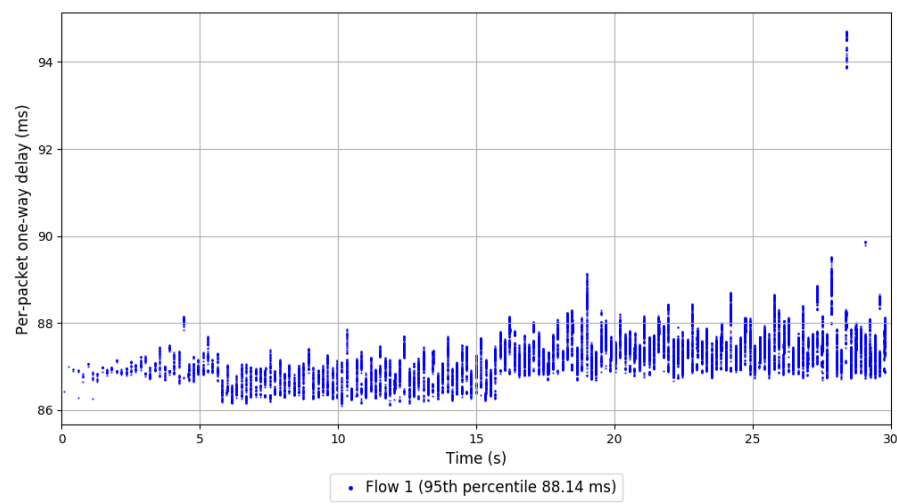
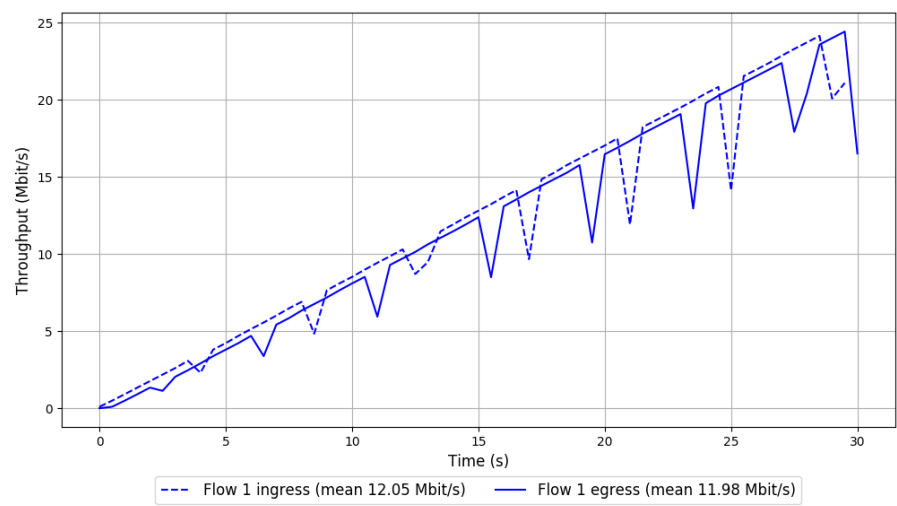
-- Flow 1:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 88.145 ms

Loss rate: 1.16%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-09 15:49:59

End at: 2018-08-09 15:50:29

Local clock offset: -0.188 ms

Remote clock offset: 5.18 ms

Below is generated by plot.py at 2018-08-09 19:10:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.30 Mbit/s

95th percentile per-packet one-way delay: 87.332 ms

Loss rate: 0.76%

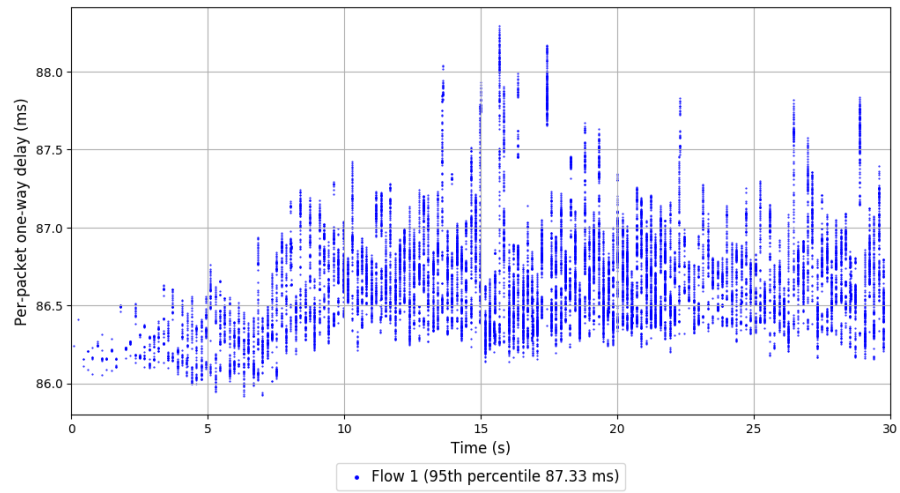
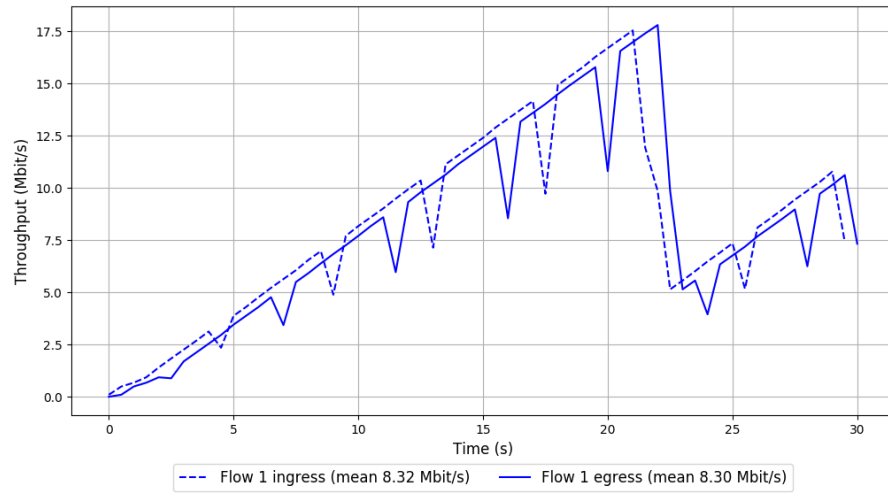
-- Flow 1:

Average throughput: 8.30 Mbit/s

95th percentile per-packet one-way delay: 87.332 ms

Loss rate: 0.76%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-09 16:12:39

End at: 2018-08-09 16:13:09

Local clock offset: -0.248 ms

Remote clock offset: 6.347 ms

Below is generated by plot.py at 2018-08-09 19:10:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 88.267 ms

Loss rate: 1.16%

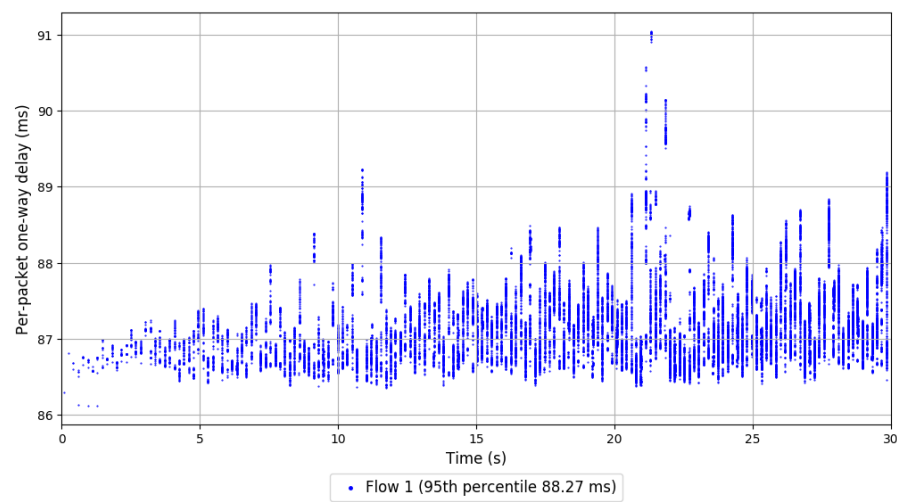
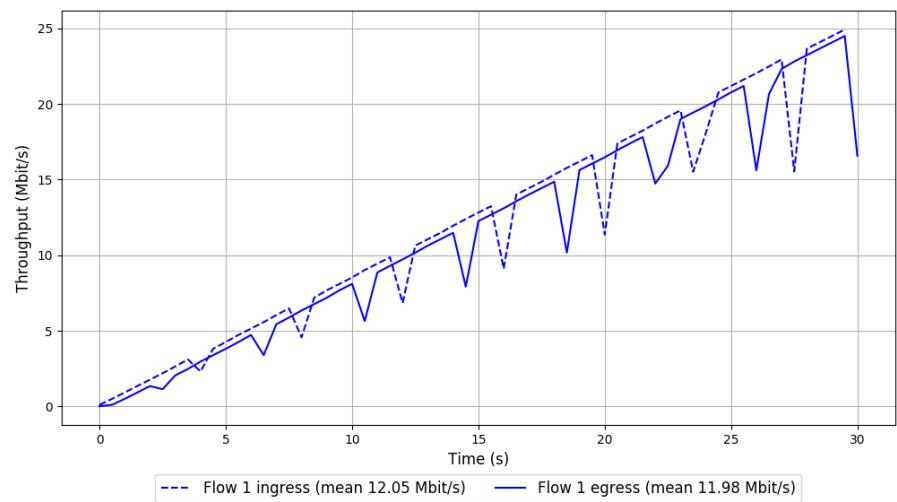
-- Flow 1:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 88.267 ms

Loss rate: 1.16%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-09 16:35:16

End at: 2018-08-09 16:35:46

Local clock offset: -0.157 ms

Remote clock offset: 2.745 ms

Below is generated by plot.py at 2018-08-09 19:10:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.97 Mbit/s

95th percentile per-packet one-way delay: 87.889 ms

Loss rate: 1.16%

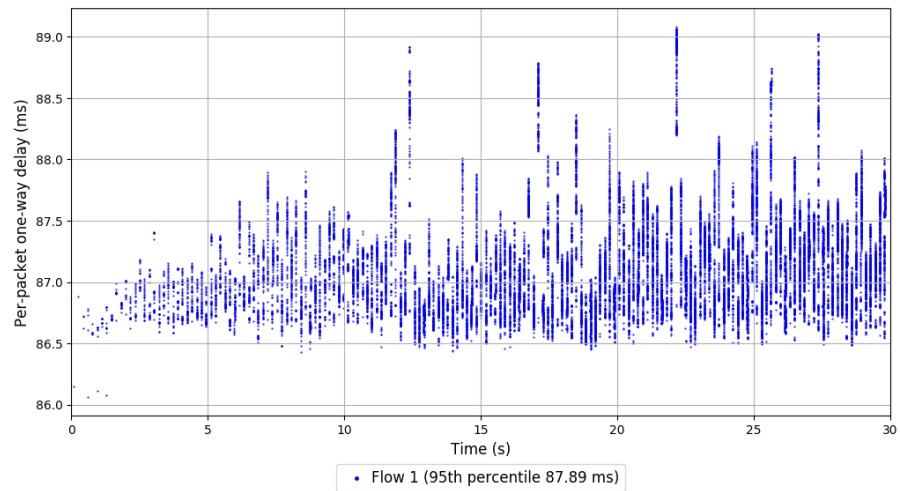
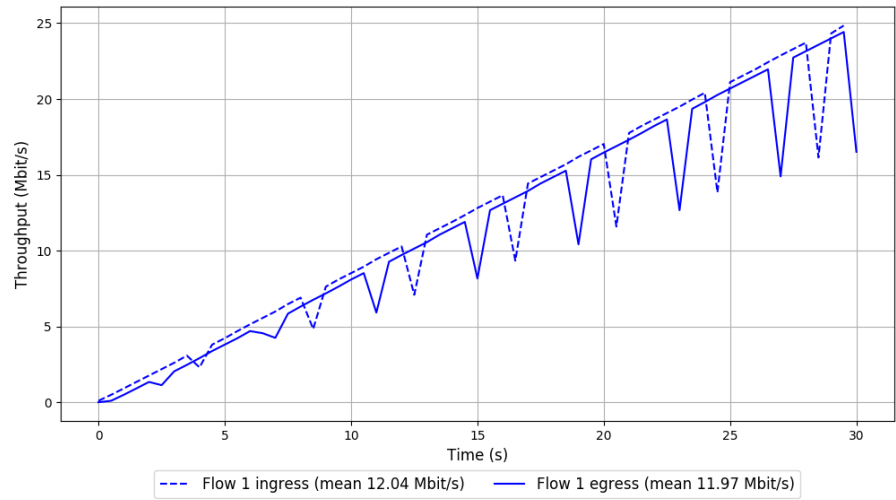
-- Flow 1:

Average throughput: 11.97 Mbit/s

95th percentile per-packet one-way delay: 87.889 ms

Loss rate: 1.16%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-09 16:58:14

End at: 2018-08-09 16:58:44

Local clock offset: -0.219 ms

Remote clock offset: 2.16 ms

Below is generated by plot.py at 2018-08-09 19:10:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 87.428 ms

Loss rate: 1.15%

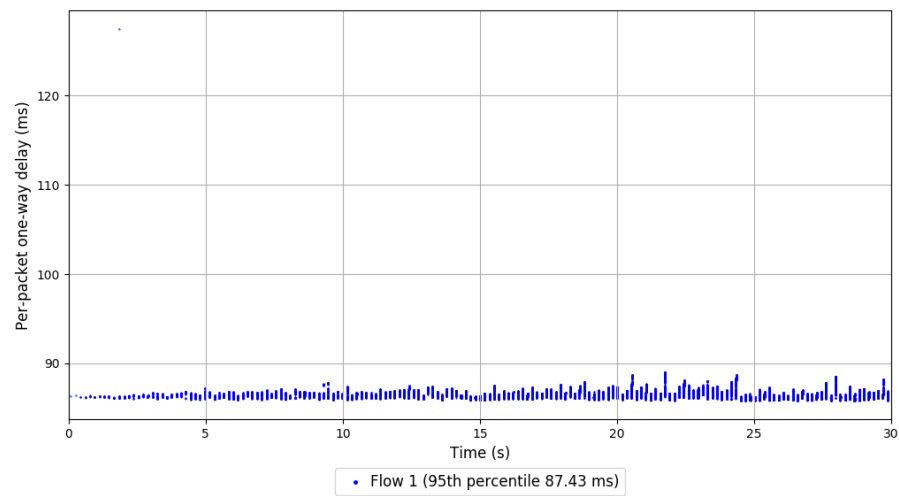
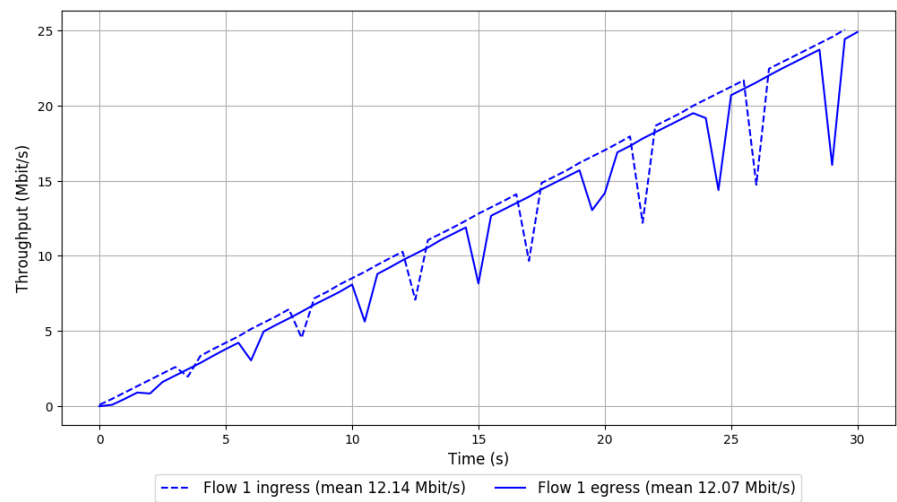
-- Flow 1:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 87.428 ms

Loss rate: 1.15%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-09 17:21:22

End at: 2018-08-09 17:21:52

Local clock offset: -0.162 ms

Remote clock offset: 1.657 ms

Below is generated by plot.py at 2018-08-09 19:10:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.13 Mbit/s

95th percentile per-packet one-way delay: 87.305 ms

Loss rate: 1.15%

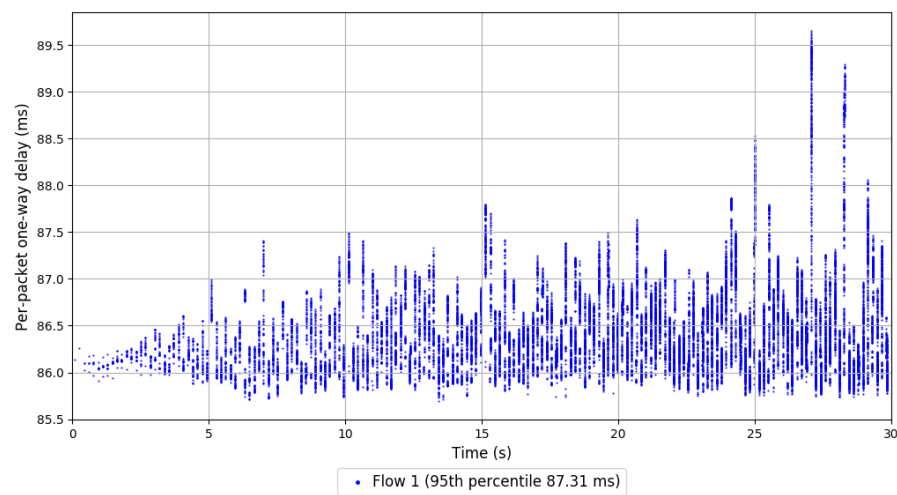
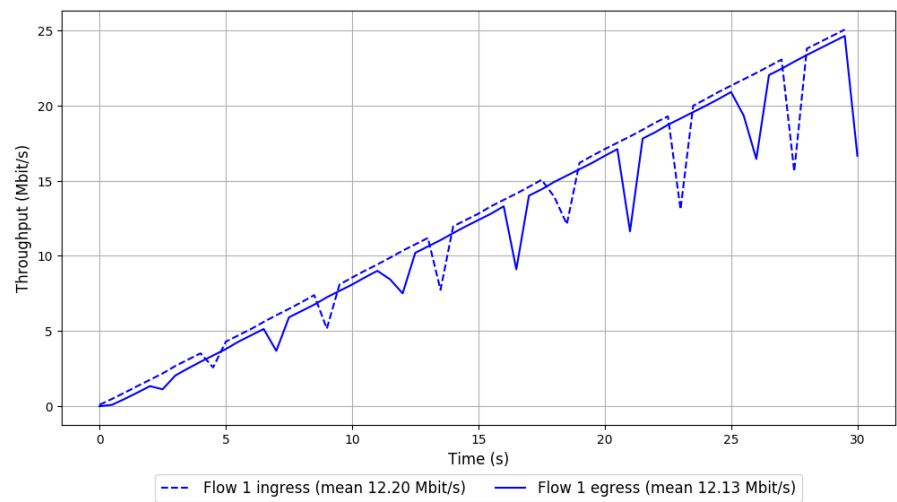
-- Flow 1:

Average throughput: 12.13 Mbit/s

95th percentile per-packet one-way delay: 87.305 ms

Loss rate: 1.15%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-09 17:44:20

End at: 2018-08-09 17:44:50

Local clock offset: -0.037 ms

Remote clock offset: 0.67 ms

Below is generated by plot.py at 2018-08-09 19:10:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.09 Mbit/s

95th percentile per-packet one-way delay: 87.906 ms

Loss rate: 1.15%

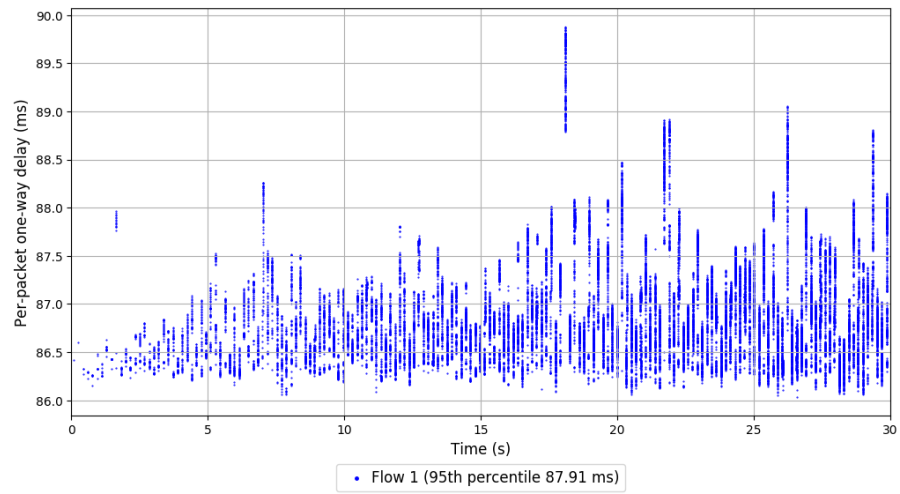
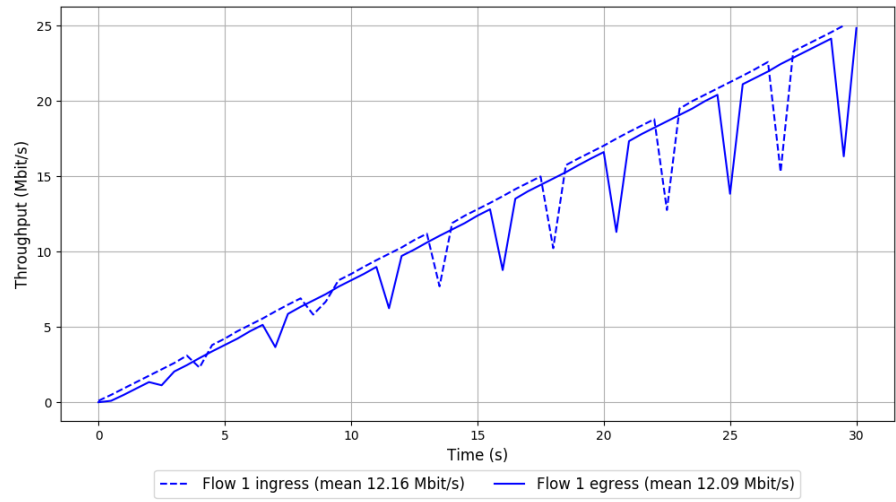
-- Flow 1:

Average throughput: 12.09 Mbit/s

95th percentile per-packet one-way delay: 87.906 ms

Loss rate: 1.15%

Run 10: Report of LEDBAT — Data Link

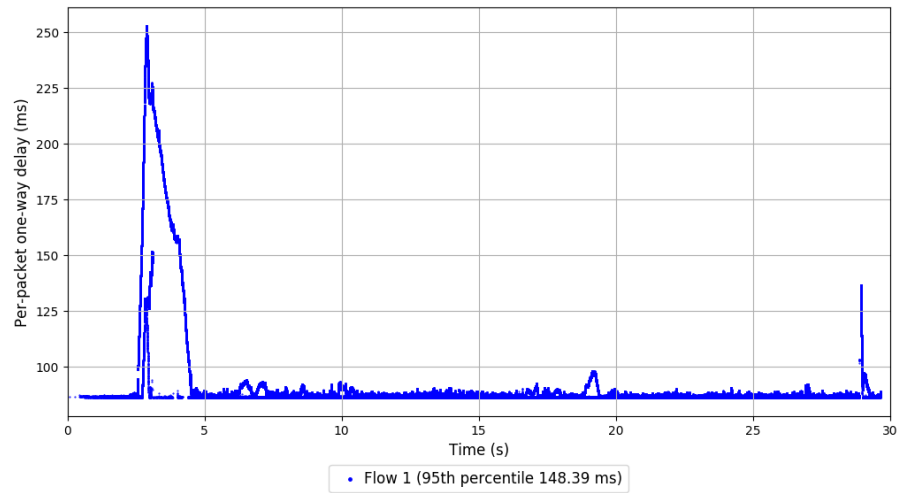
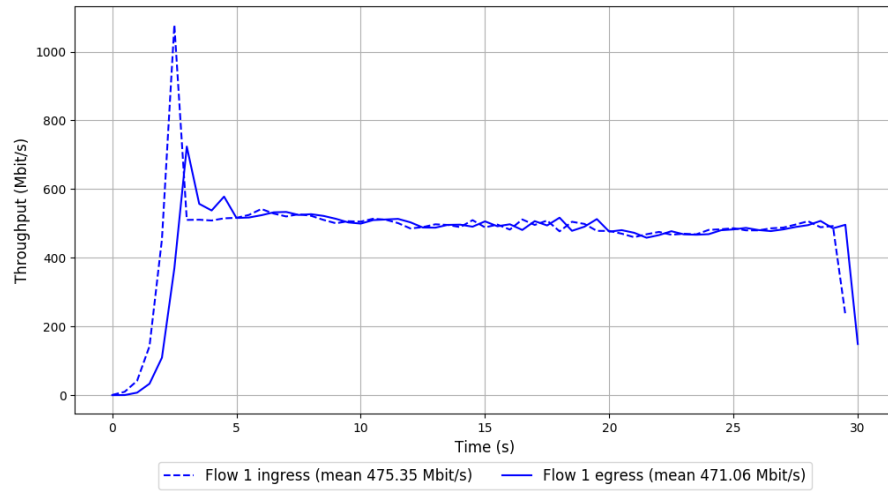


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-09 14:17:06
End at: 2018-08-09 14:17:36
Local clock offset: 0.04 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-08-09 19:11:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 471.06 Mbit/s
95th percentile per-packet one-way delay: 148.389 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 471.06 Mbit/s
95th percentile per-packet one-way delay: 148.389 ms
Loss rate: 1.48%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-09 14:40:09

End at: 2018-08-09 14:40:39

Local clock offset: 0.037 ms

Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-08-09 19:11:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 503.25 Mbit/s

95th percentile per-packet one-way delay: 172.170 ms

Loss rate: 1.56%

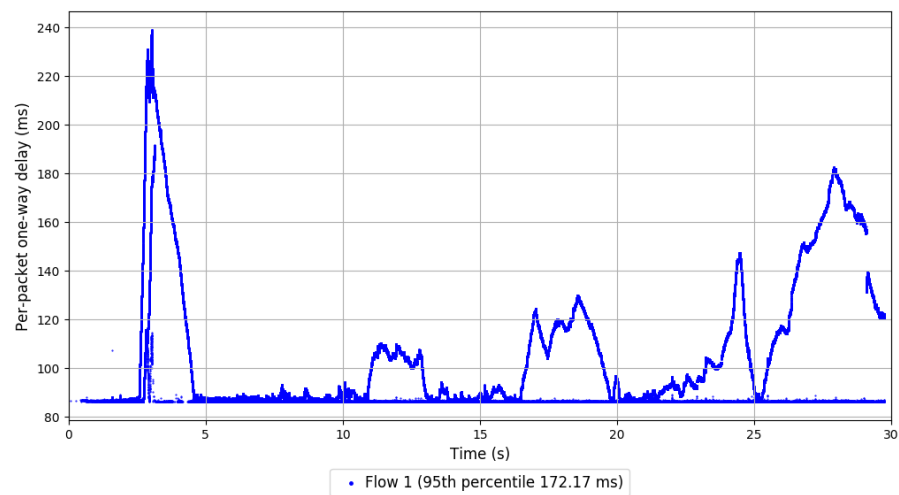
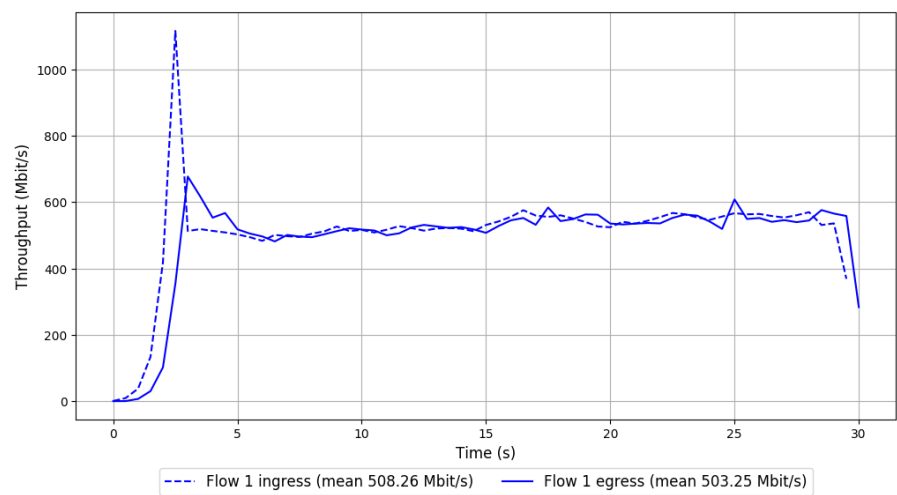
-- Flow 1:

Average throughput: 503.25 Mbit/s

95th percentile per-packet one-way delay: 172.170 ms

Loss rate: 1.56%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-09 15:02:56

End at: 2018-08-09 15:03:26

Local clock offset: -0.161 ms

Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-08-09 19:11:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 464.11 Mbit/s

95th percentile per-packet one-way delay: 172.672 ms

Loss rate: 1.45%

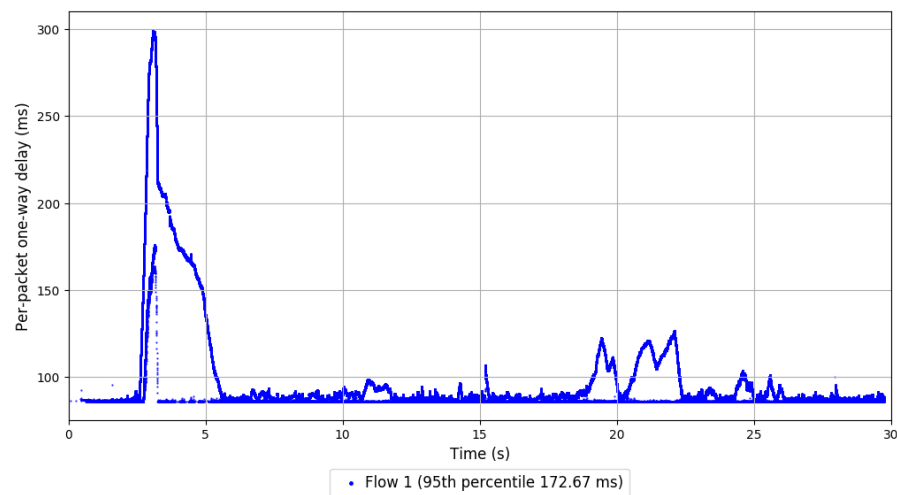
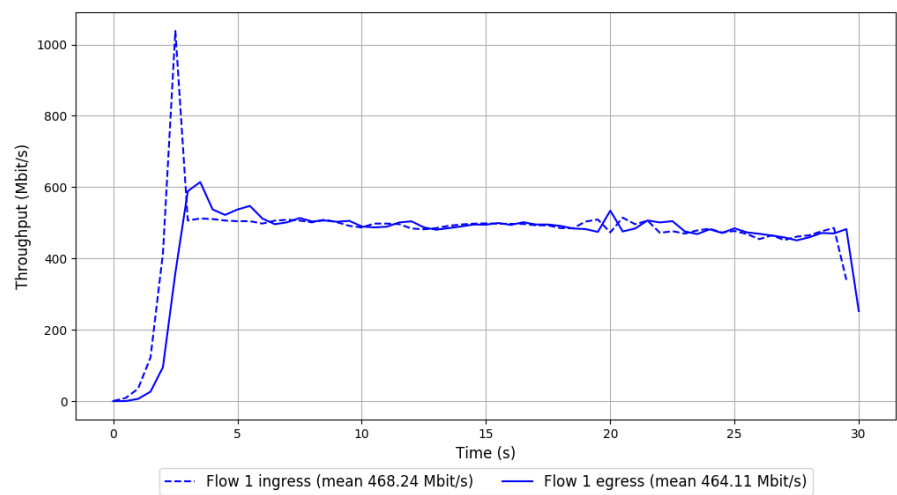
-- Flow 1:

Average throughput: 464.11 Mbit/s

95th percentile per-packet one-way delay: 172.672 ms

Loss rate: 1.45%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-09 15:25:37

End at: 2018-08-09 15:26:07

Local clock offset: 0.05 ms

Remote clock offset: 0.469 ms

Below is generated by plot.py at 2018-08-09 19:11:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 479.11 Mbit/s

95th percentile per-packet one-way delay: 157.647 ms

Loss rate: 0.85%

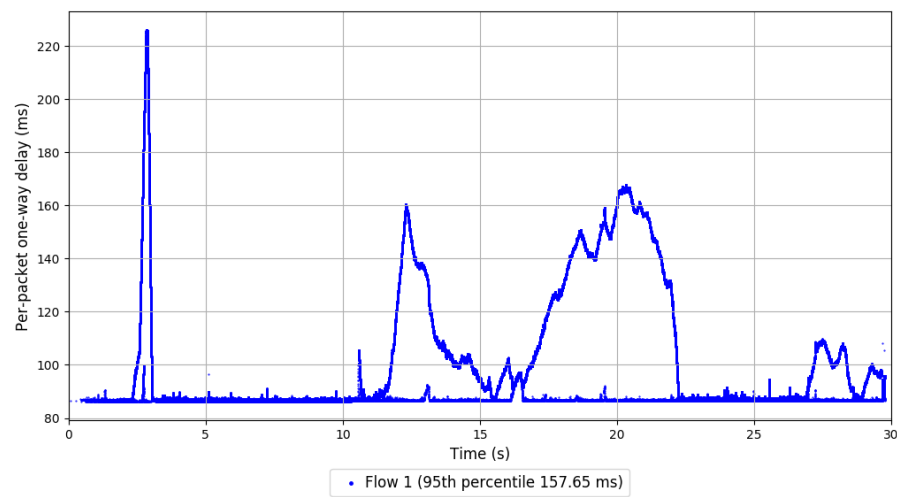
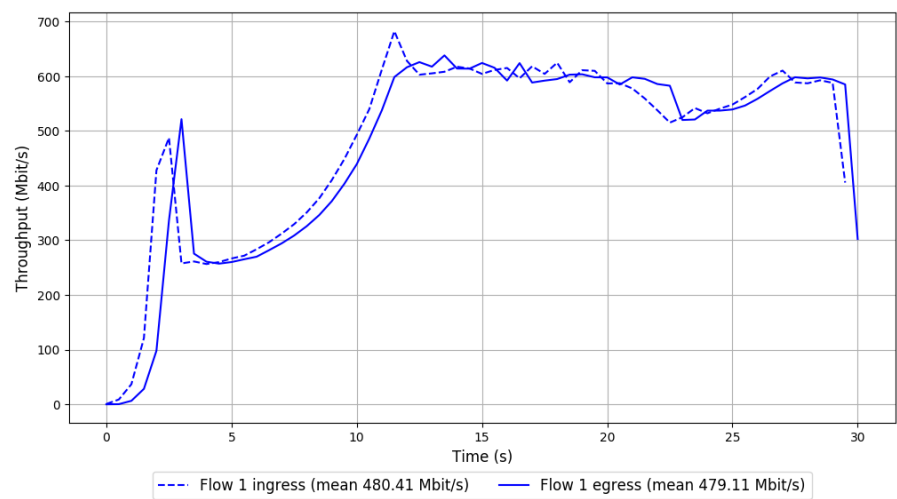
-- Flow 1:

Average throughput: 479.11 Mbit/s

95th percentile per-packet one-way delay: 157.647 ms

Loss rate: 0.85%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-09 15:48:34

End at: 2018-08-09 15:49:04

Local clock offset: -0.103 ms

Remote clock offset: 5.6 ms

Below is generated by plot.py at 2018-08-09 19:13:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 517.53 Mbit/s

95th percentile per-packet one-way delay: 117.216 ms

Loss rate: 1.46%

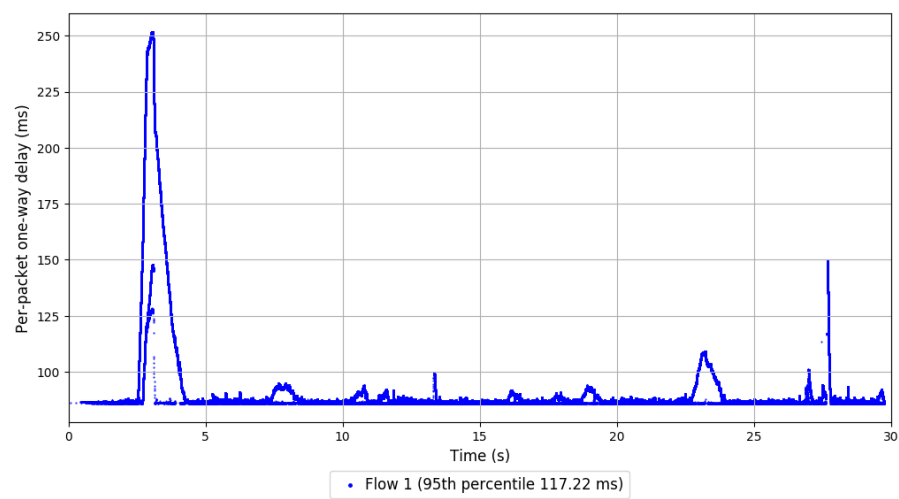
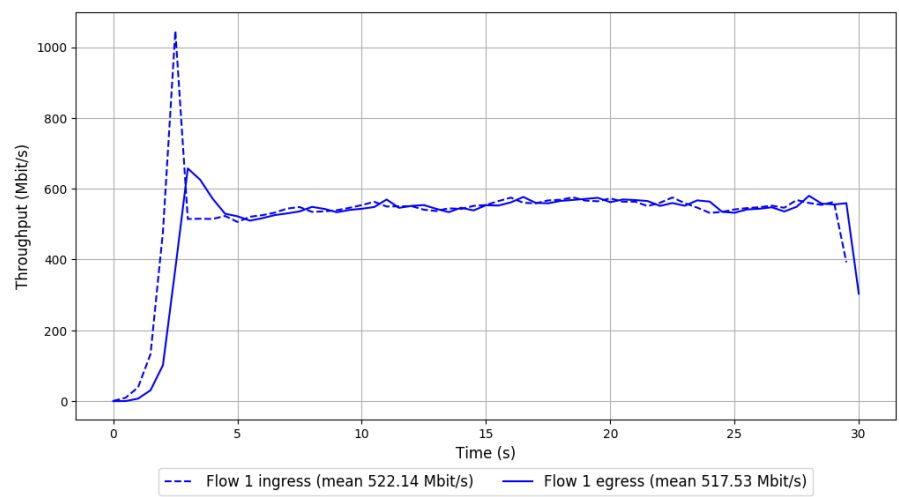
-- Flow 1:

Average throughput: 517.53 Mbit/s

95th percentile per-packet one-way delay: 117.216 ms

Loss rate: 1.46%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-09 16:11:13

End at: 2018-08-09 16:11:43

Local clock offset: -0.211 ms

Remote clock offset: 6.123 ms

Below is generated by plot.py at 2018-08-09 19:14:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 505.80 Mbit/s

95th percentile per-packet one-way delay: 110.559 ms

Loss rate: 1.38%

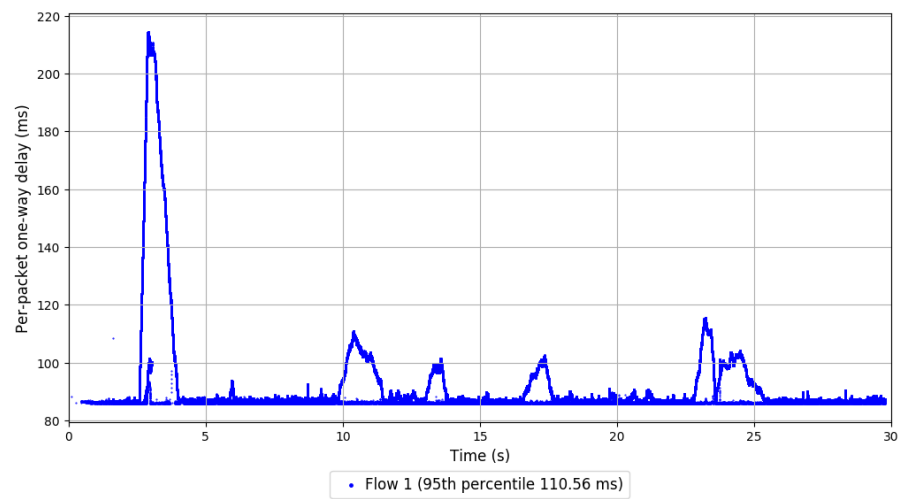
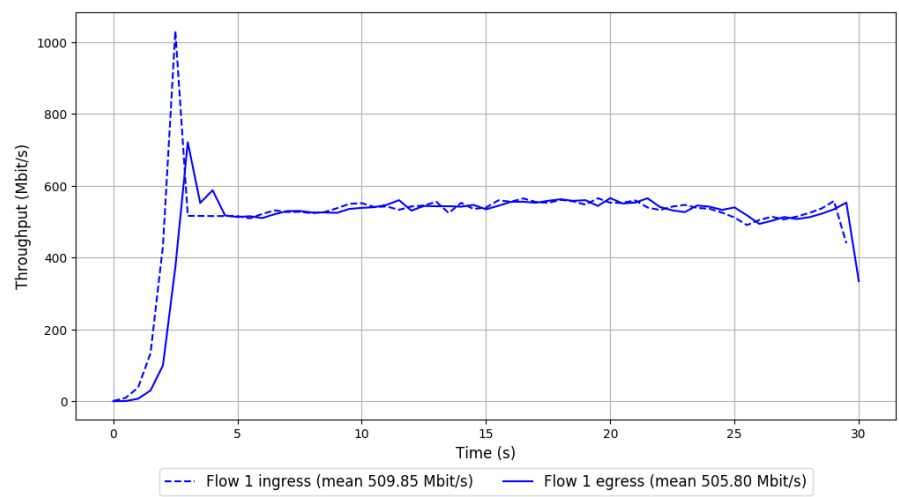
-- Flow 1:

Average throughput: 505.80 Mbit/s

95th percentile per-packet one-way delay: 110.559 ms

Loss rate: 1.38%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-09 16:33:50

End at: 2018-08-09 16:34:20

Local clock offset: -0.215 ms

Remote clock offset: 2.749 ms

Below is generated by plot.py at 2018-08-09 19:17:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 523.63 Mbit/s

95th percentile per-packet one-way delay: 110.674 ms

Loss rate: 1.44%

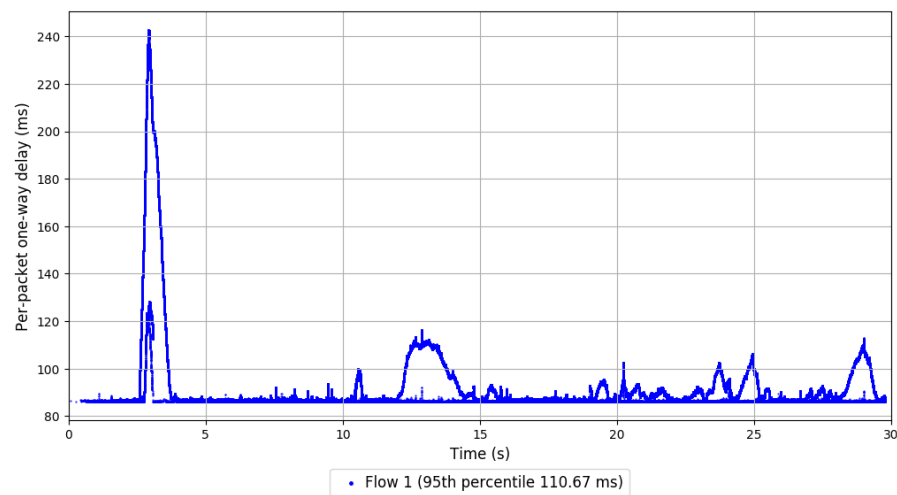
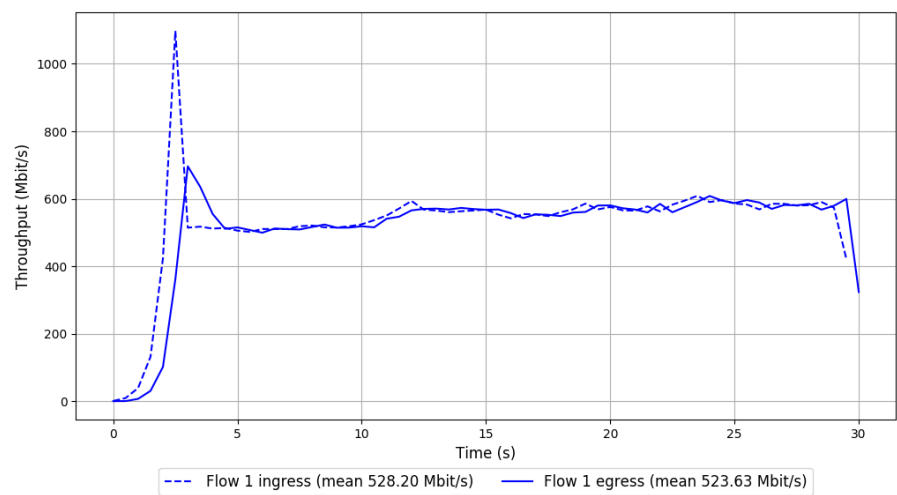
-- Flow 1:

Average throughput: 523.63 Mbit/s

95th percentile per-packet one-way delay: 110.674 ms

Loss rate: 1.44%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-09 16:56:50

End at: 2018-08-09 16:57:20

Local clock offset: -0.218 ms

Remote clock offset: 2.438 ms

Below is generated by plot.py at 2018-08-09 19:18:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 467.27 Mbit/s

95th percentile per-packet one-way delay: 167.415 ms

Loss rate: 1.71%

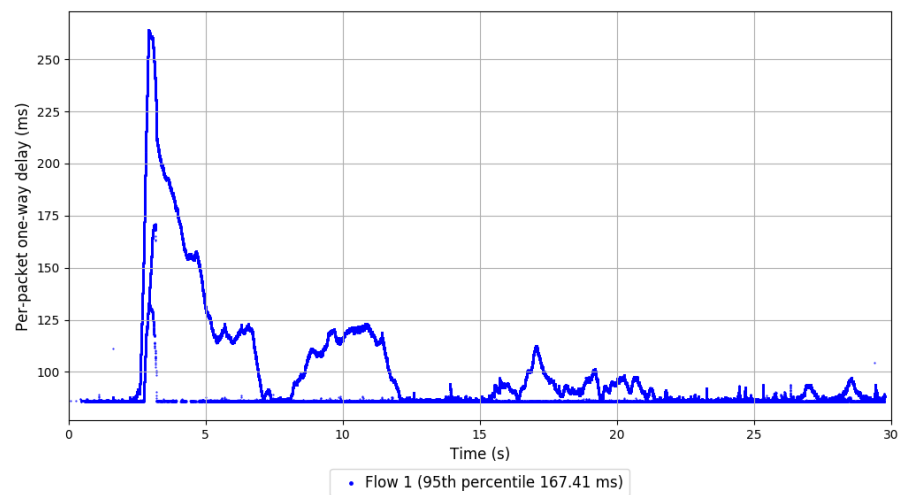
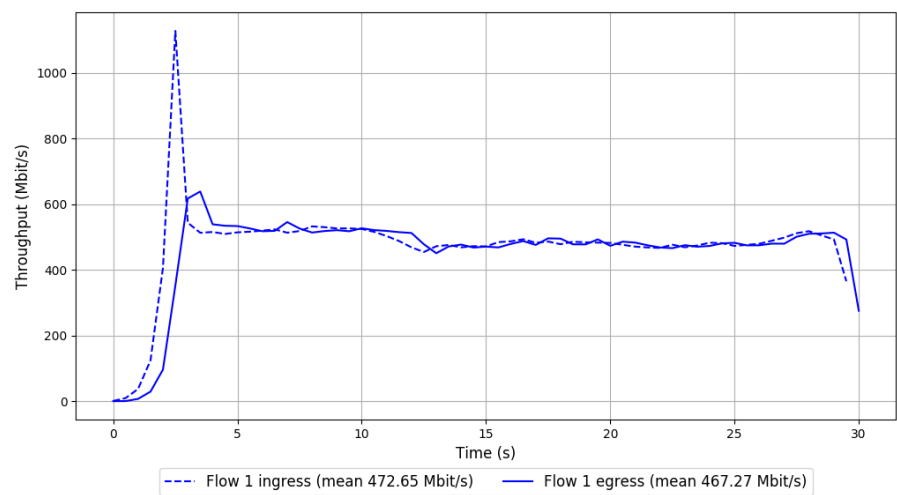
-- Flow 1:

Average throughput: 467.27 Mbit/s

95th percentile per-packet one-way delay: 167.415 ms

Loss rate: 1.71%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-09 17:19:59

End at: 2018-08-09 17:20:29

Local clock offset: -0.094 ms

Remote clock offset: 1.535 ms

Below is generated by plot.py at 2018-08-09 19:18:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 468.37 Mbit/s

95th percentile per-packet one-way delay: 170.025 ms

Loss rate: 1.45%

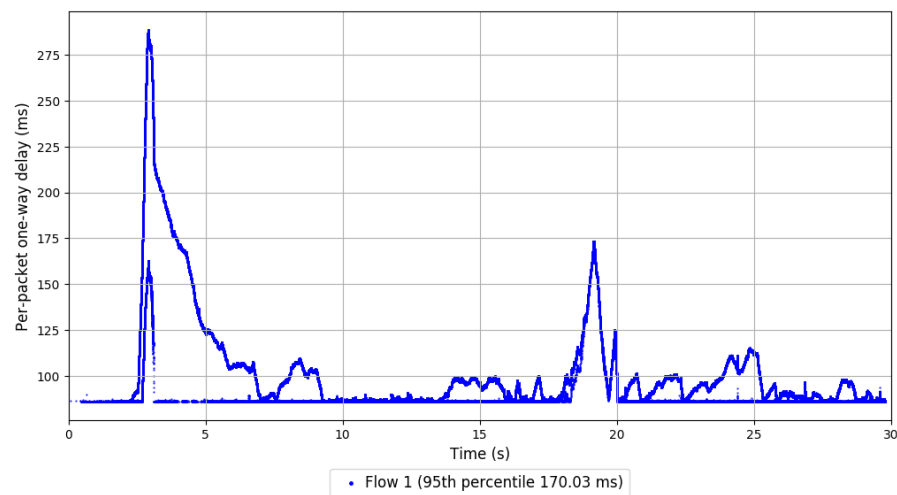
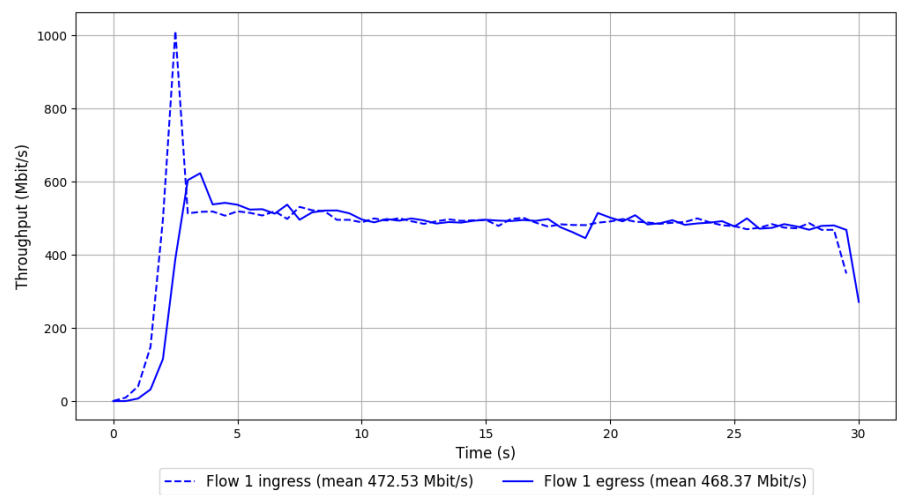
-- Flow 1:

Average throughput: 468.37 Mbit/s

95th percentile per-packet one-way delay: 170.025 ms

Loss rate: 1.45%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-09 17:42:56

End at: 2018-08-09 17:43:26

Local clock offset: -0.02 ms

Remote clock offset: 0.62 ms

Below is generated by plot.py at 2018-08-09 19:18:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 481.94 Mbit/s

95th percentile per-packet one-way delay: 129.913 ms

Loss rate: 1.44%

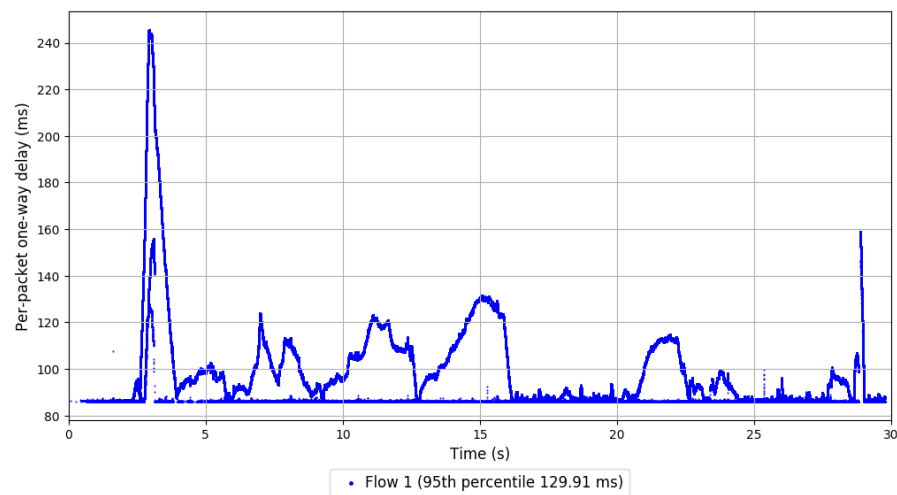
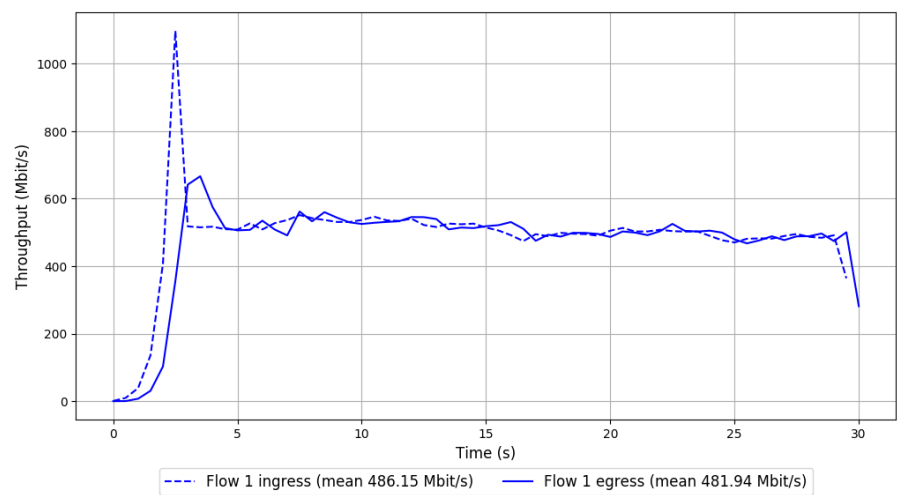
-- Flow 1:

Average throughput: 481.94 Mbit/s

95th percentile per-packet one-way delay: 129.913 ms

Loss rate: 1.44%

Run 10: Report of PCC-Allegro — Data Link

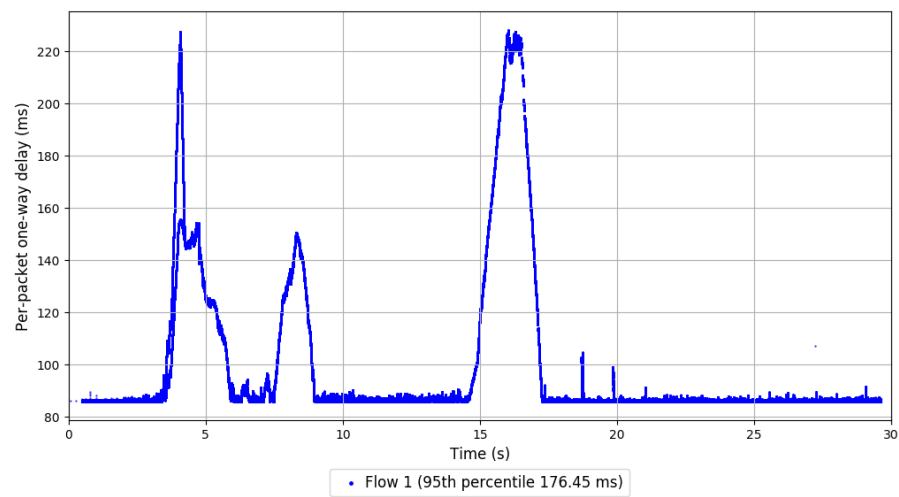
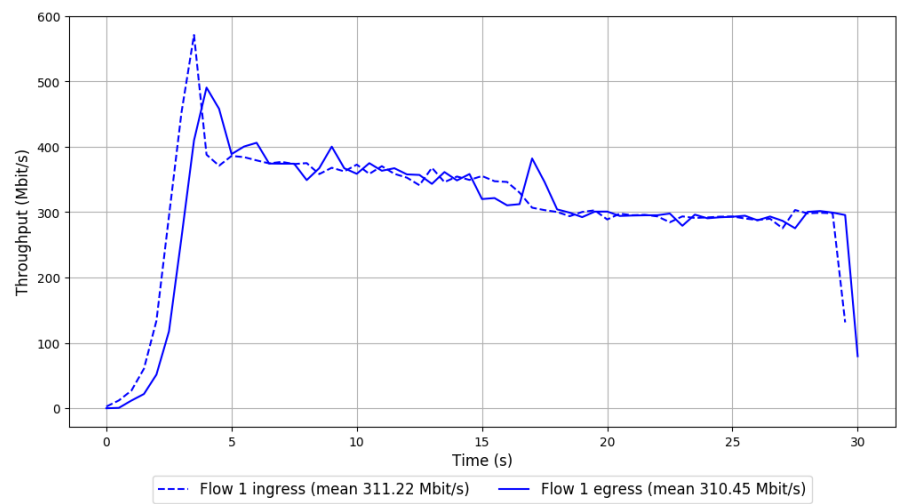


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-09 14:11:28
End at: 2018-08-09 14:11:58
Local clock offset: -0.257 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-08-09 19:21:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 310.45 Mbit/s
95th percentile per-packet one-way delay: 176.453 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 310.45 Mbit/s
95th percentile per-packet one-way delay: 176.453 ms
Loss rate: 0.83%
```

Run 1: Report of PCC-Expr — Data Link

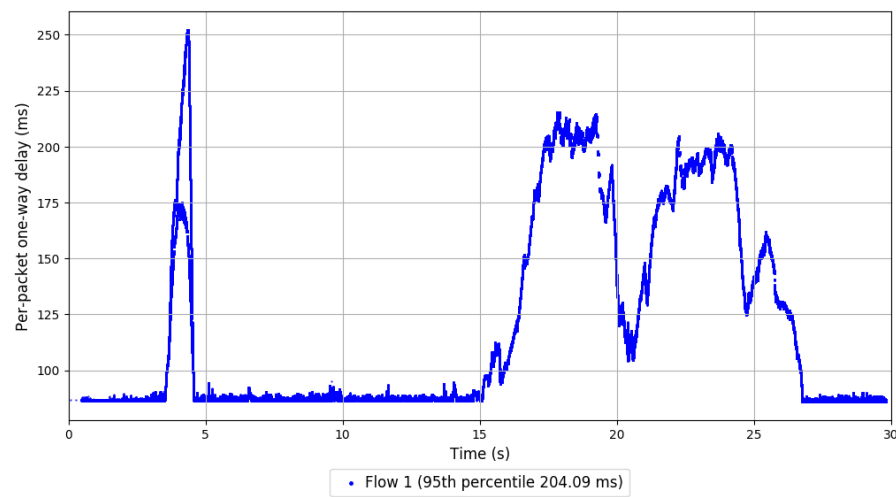
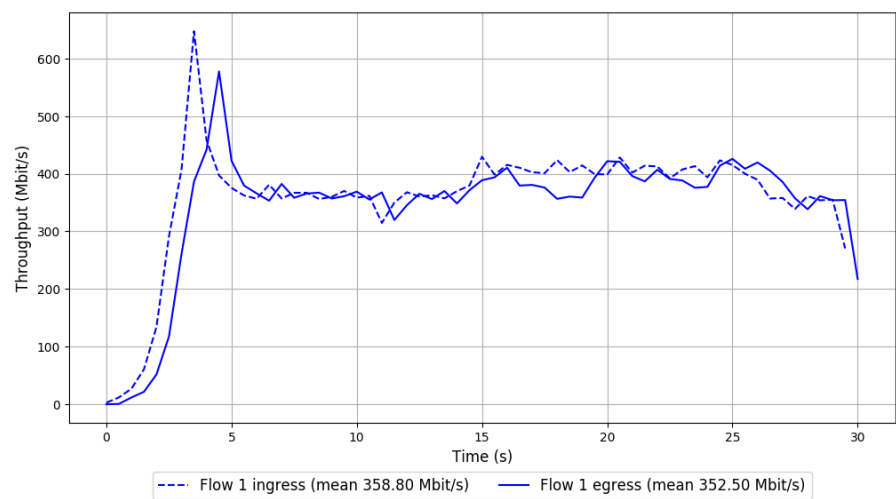


Run 2: Statistics of PCC-Expr

Start at: 2018-08-09 14:34:27
End at: 2018-08-09 14:34:57
Local clock offset: -0.041 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-08-09 19:22:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 352.50 Mbit/s
95th percentile per-packet one-way delay: 204.088 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 352.50 Mbit/s
95th percentile per-packet one-way delay: 204.088 ms
Loss rate: 2.33%

Run 2: Report of PCC-Expr — Data Link

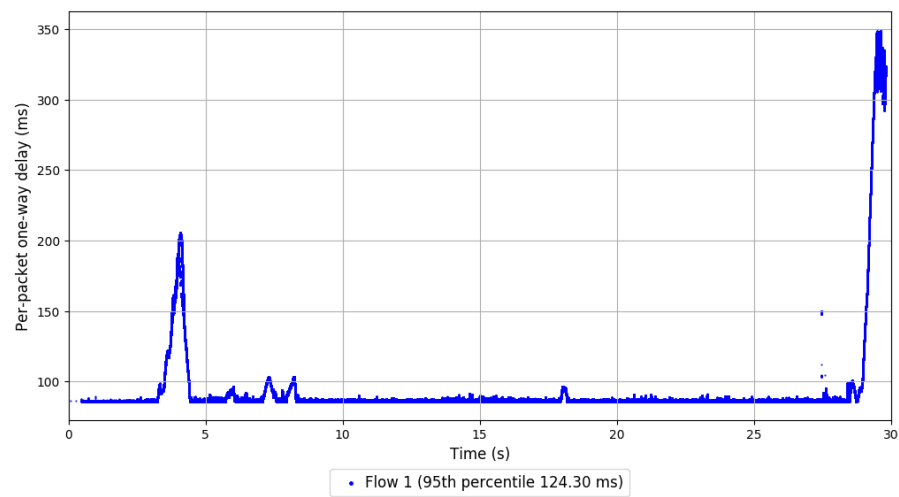
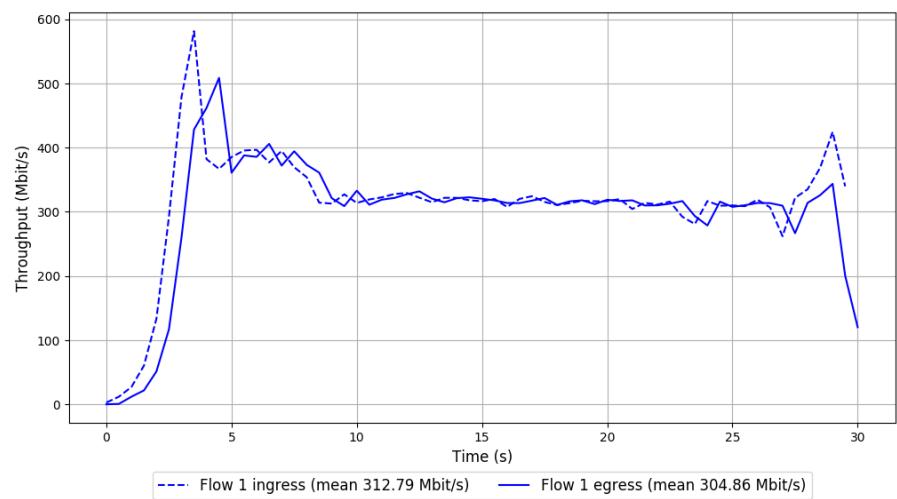


Run 3: Statistics of PCC-Expr

Start at: 2018-08-09 14:57:19
End at: 2018-08-09 14:57:49
Local clock offset: -0.266 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-08-09 19:23:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 304.86 Mbit/s
95th percentile per-packet one-way delay: 124.297 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 304.86 Mbit/s
95th percentile per-packet one-way delay: 124.297 ms
Loss rate: 3.10%

Run 3: Report of PCC-Expr — Data Link

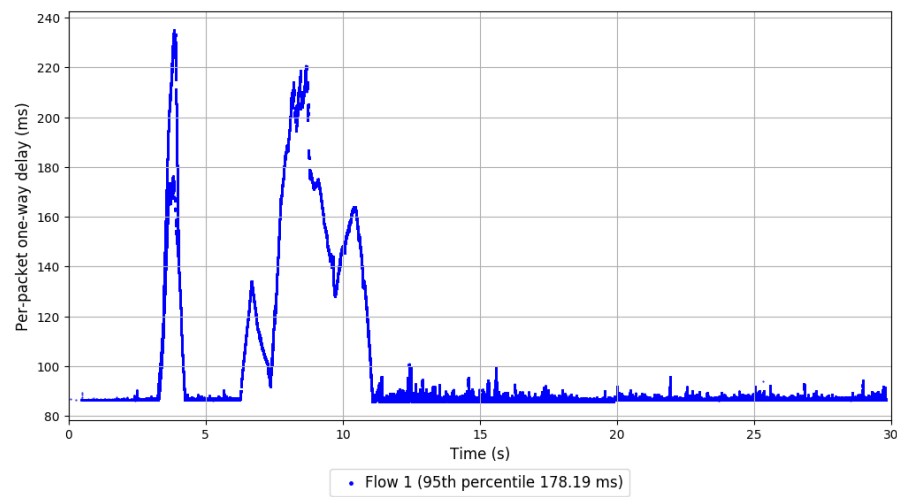
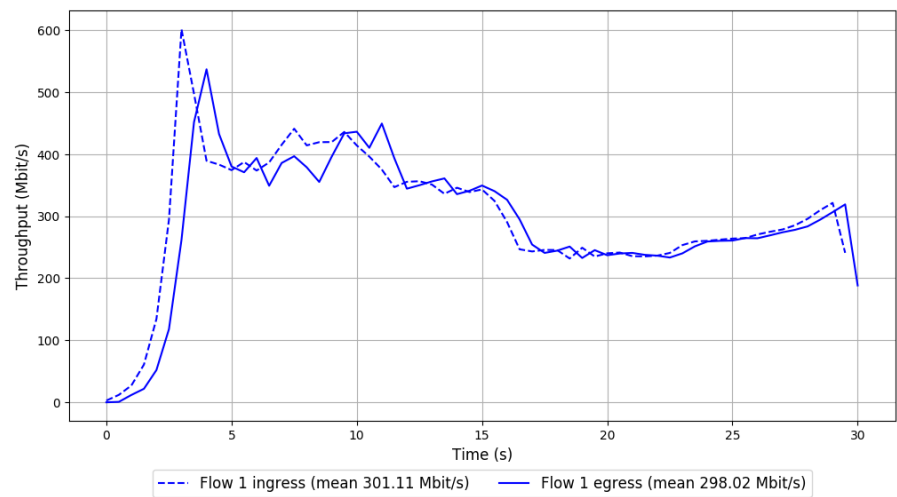


Run 4: Statistics of PCC-Expr

Start at: 2018-08-09 15:20:07
End at: 2018-08-09 15:20:37
Local clock offset: -0.145 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-08-09 19:24:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 298.02 Mbit/s
95th percentile per-packet one-way delay: 178.195 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 298.02 Mbit/s
95th percentile per-packet one-way delay: 178.195 ms
Loss rate: 1.60%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-09 15:42:52

End at: 2018-08-09 15:43:22

Local clock offset: 0.025 ms

Remote clock offset: 7.154 ms

Below is generated by plot.py at 2018-08-09 19:28:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 310.65 Mbit/s

95th percentile per-packet one-way delay: 205.056 ms

Loss rate: 3.05%

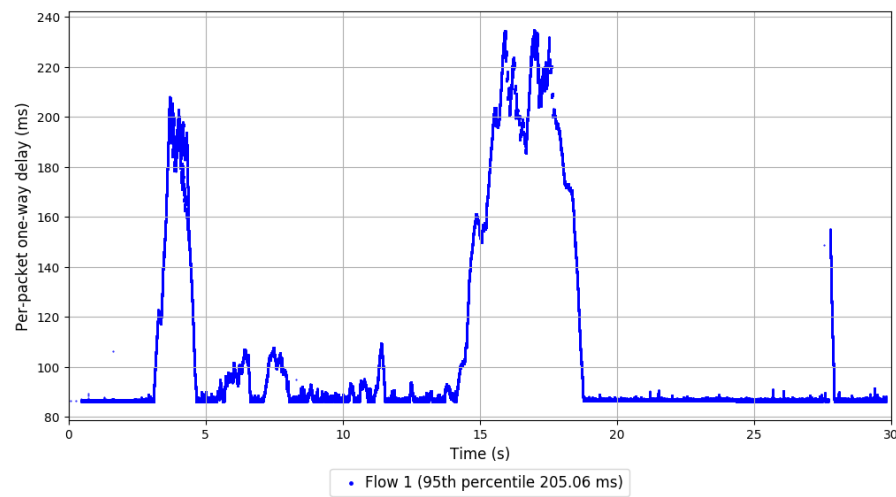
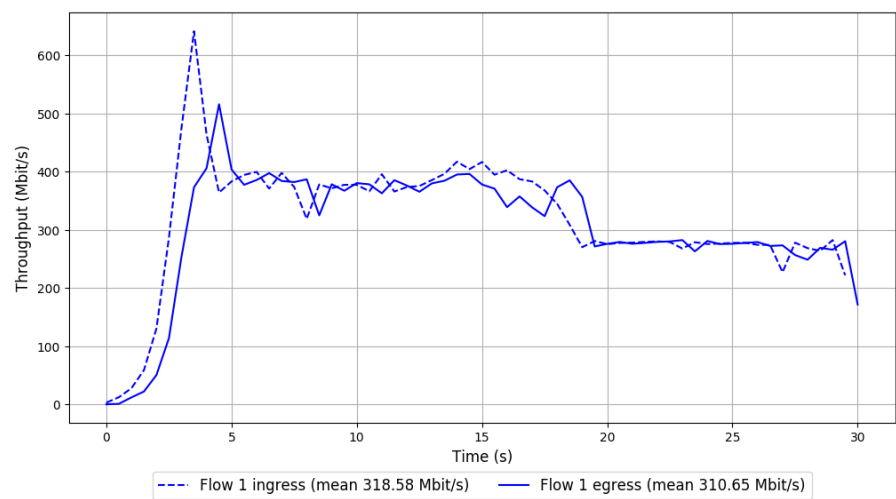
-- Flow 1:

Average throughput: 310.65 Mbit/s

95th percentile per-packet one-way delay: 205.056 ms

Loss rate: 3.05%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-09 16:05:39

End at: 2018-08-09 16:06:09

Local clock offset: -0.332 ms

Remote clock offset: 5.213 ms

Below is generated by plot.py at 2018-08-09 19:28:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.46 Mbit/s

95th percentile per-packet one-way delay: 86.708 ms

Loss rate: 0.72%

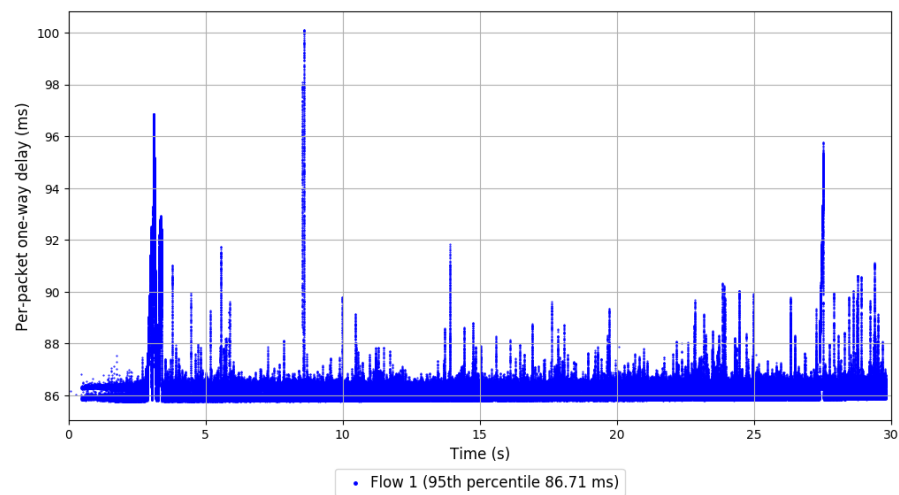
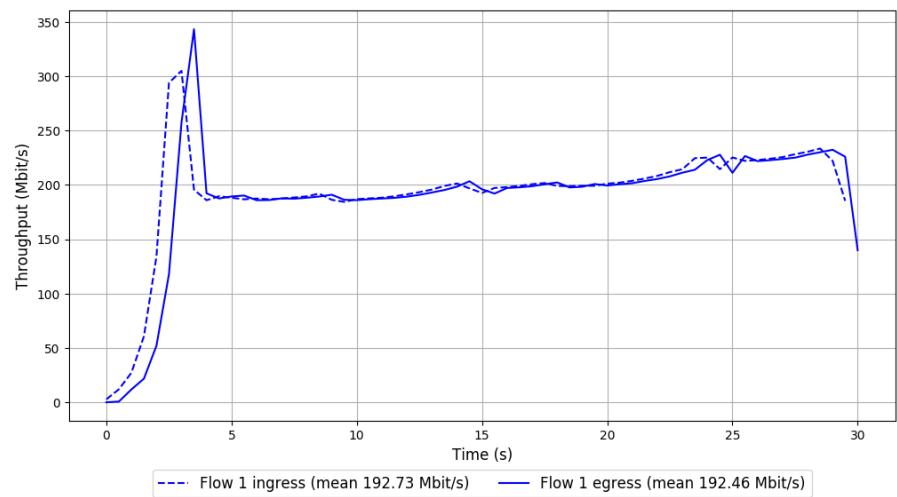
-- Flow 1:

Average throughput: 192.46 Mbit/s

95th percentile per-packet one-way delay: 86.708 ms

Loss rate: 0.72%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-09 16:28:16

End at: 2018-08-09 16:28:46

Local clock offset: -0.082 ms

Remote clock offset: 3.323 ms

Below is generated by plot.py at 2018-08-09 19:28:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.35 Mbit/s

95th percentile per-packet one-way delay: 196.142 ms

Loss rate: 1.62%

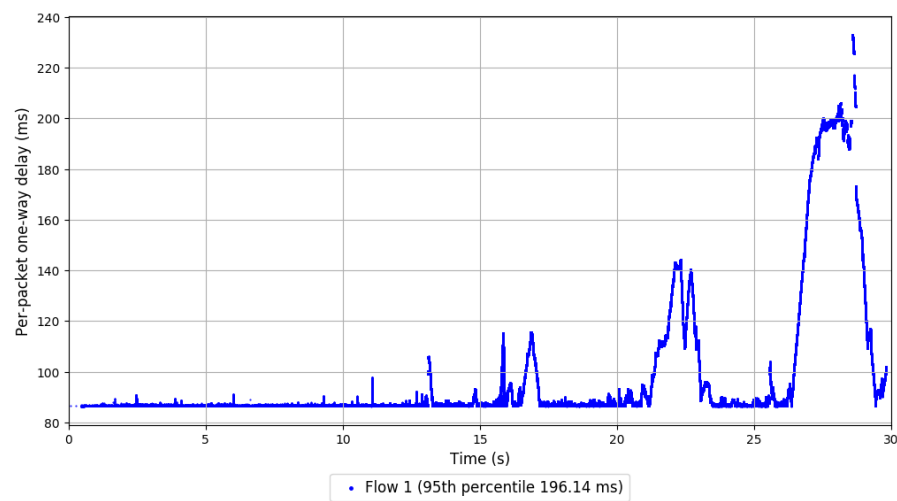
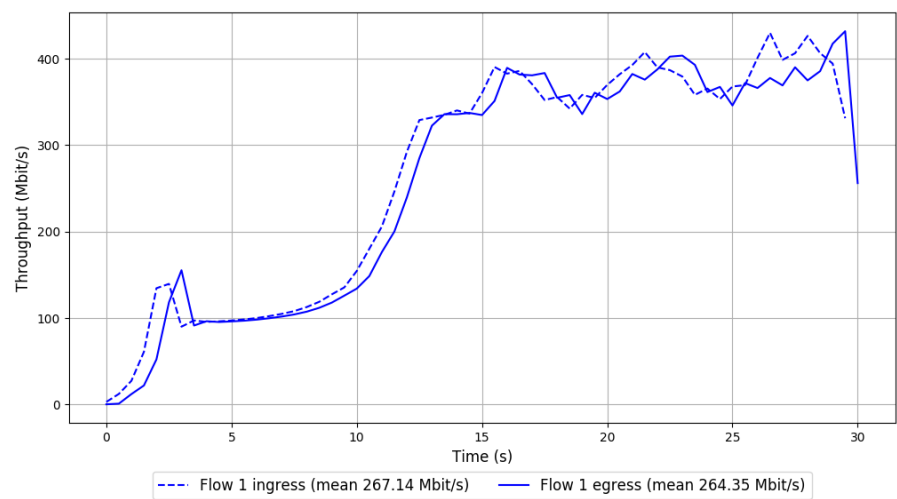
-- Flow 1:

Average throughput: 264.35 Mbit/s

95th percentile per-packet one-way delay: 196.142 ms

Loss rate: 1.62%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-09 16:51:08

End at: 2018-08-09 16:51:38

Local clock offset: -0.323 ms

Remote clock offset: 3.523 ms

Below is generated by plot.py at 2018-08-09 19:29:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.95 Mbit/s

95th percentile per-packet one-way delay: 143.891 ms

Loss rate: 0.96%

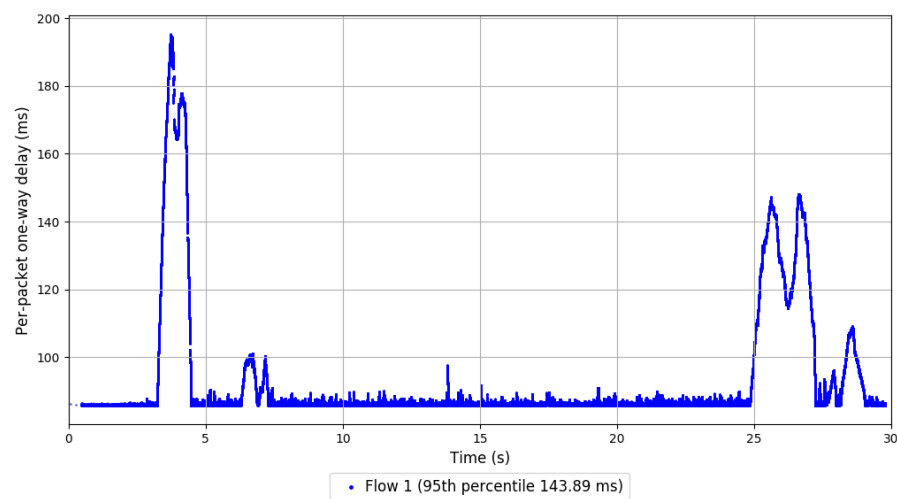
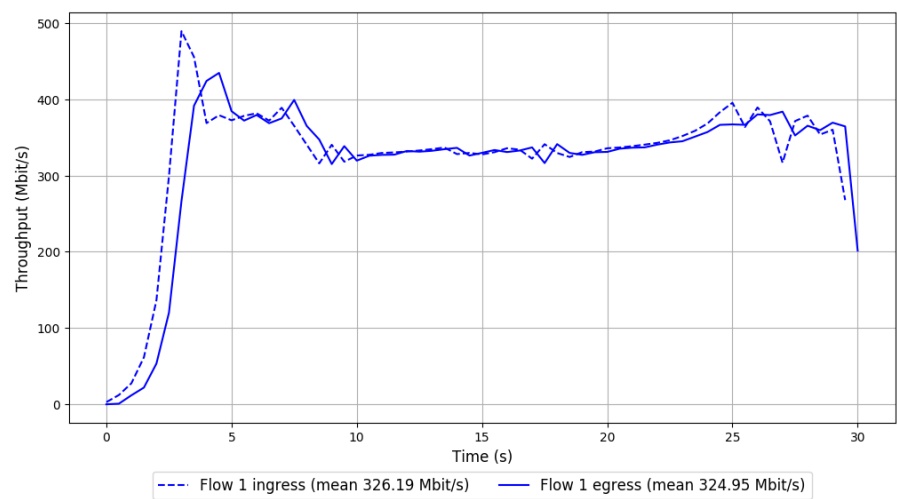
-- Flow 1:

Average throughput: 324.95 Mbit/s

95th percentile per-packet one-way delay: 143.891 ms

Loss rate: 0.96%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-09 17:14:14

End at: 2018-08-09 17:14:44

Local clock offset: -0.006 ms

Remote clock offset: 1.418 ms

Below is generated by plot.py at 2018-08-09 19:31:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.37 Mbit/s

95th percentile per-packet one-way delay: 200.376 ms

Loss rate: 3.23%

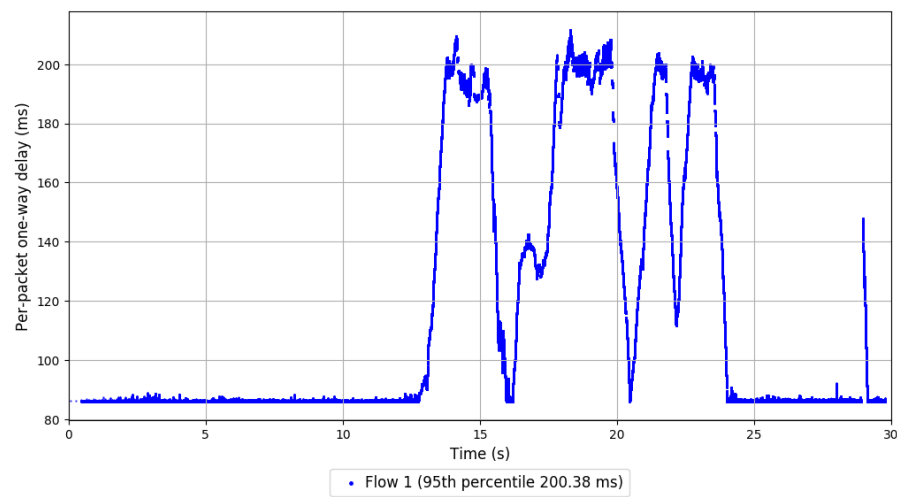
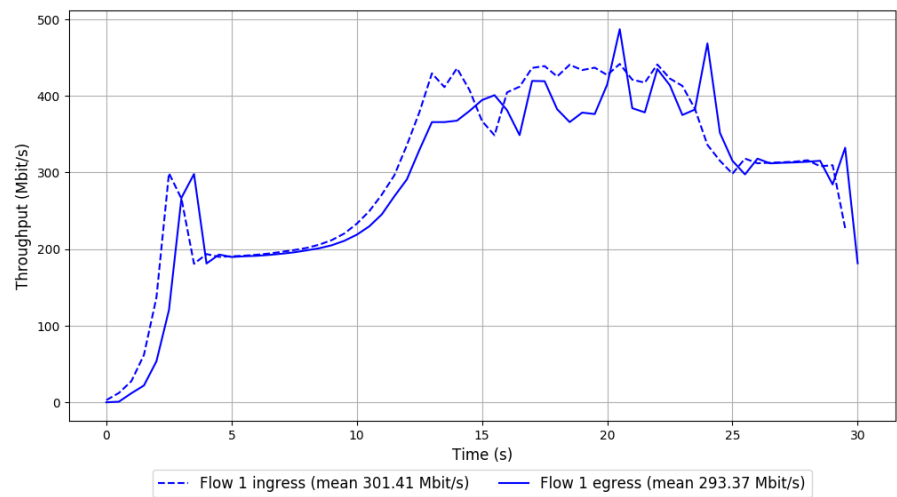
-- Flow 1:

Average throughput: 293.37 Mbit/s

95th percentile per-packet one-way delay: 200.376 ms

Loss rate: 3.23%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-09 17:37:19

End at: 2018-08-09 17:37:49

Local clock offset: -0.098 ms

Remote clock offset: 0.76 ms

Below is generated by plot.py at 2018-08-09 19:31:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.37 Mbit/s

95th percentile per-packet one-way delay: 221.590 ms

Loss rate: 4.30%

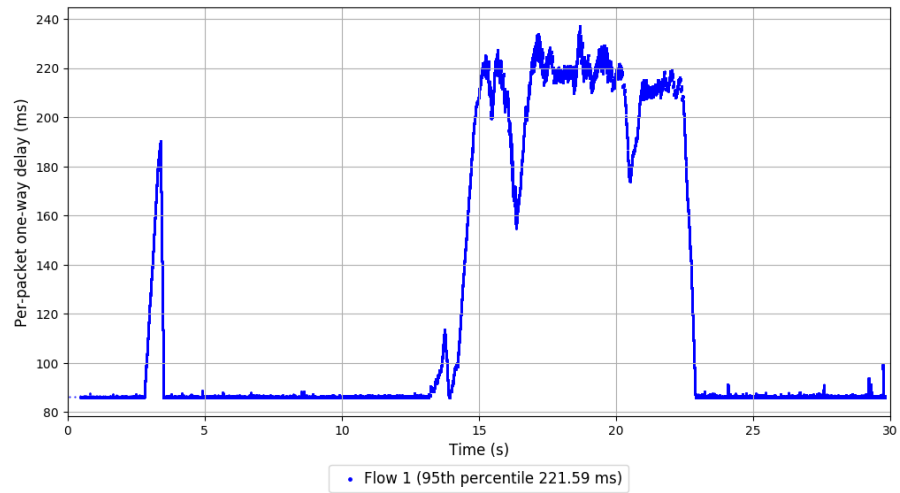
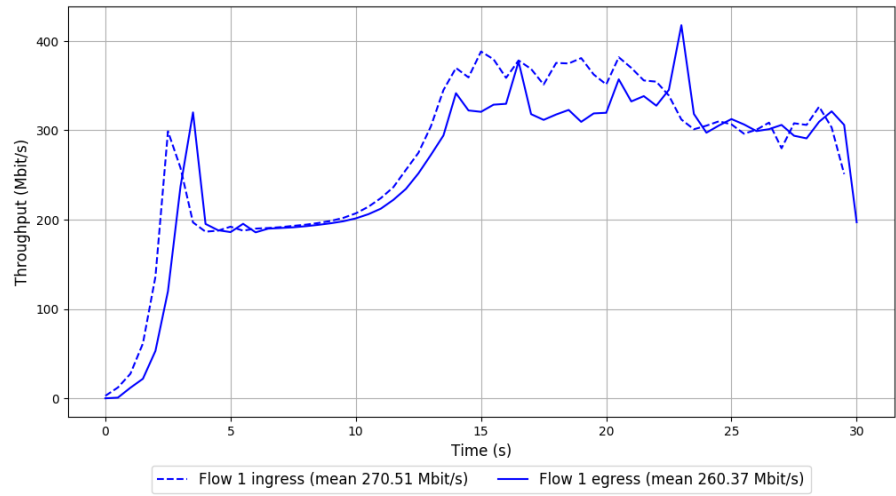
-- Flow 1:

Average throughput: 260.37 Mbit/s

95th percentile per-packet one-way delay: 221.590 ms

Loss rate: 4.30%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

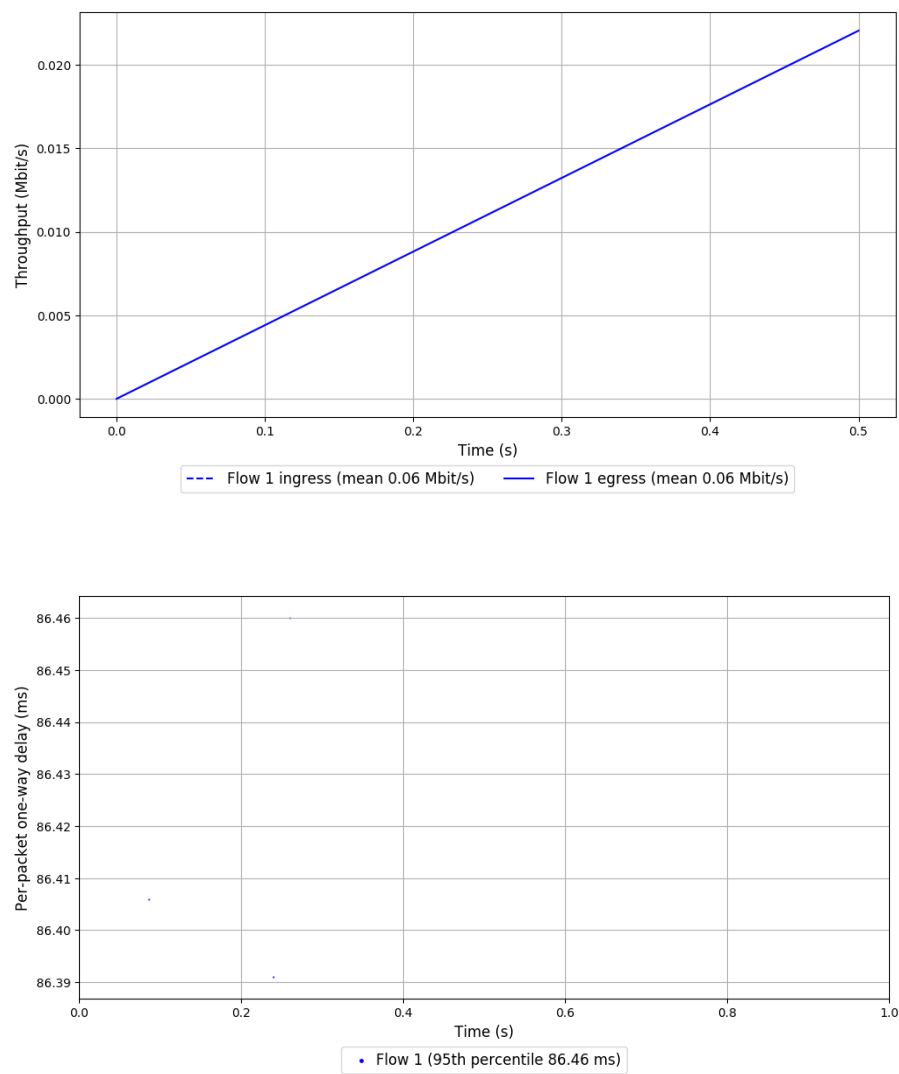
Start at: 2018-08-09 14:14:34

End at: 2018-08-09 14:15:04

Local clock offset: 0.03 ms

Remote clock offset: -0.063 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

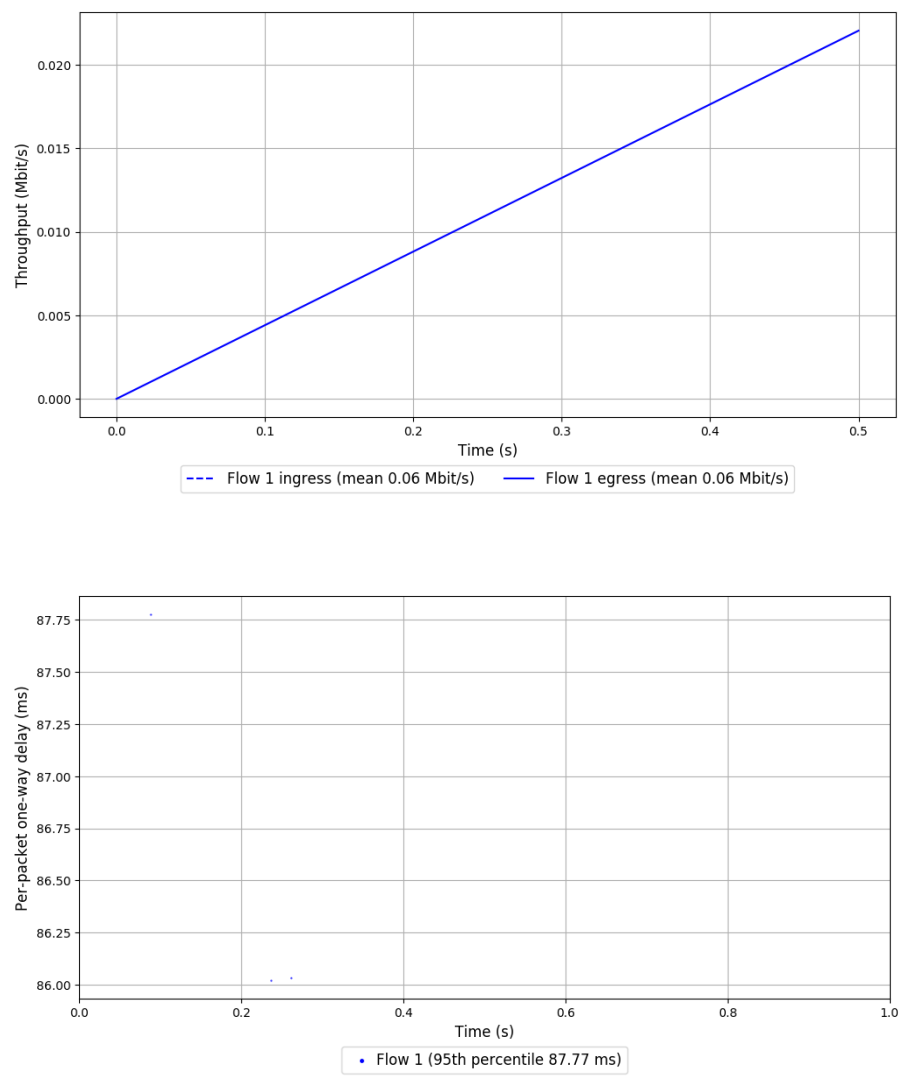
Start at: 2018-08-09 14:37:37

End at: 2018-08-09 14:38:07

Local clock offset: -0.166 ms

Remote clock offset: -0.065 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

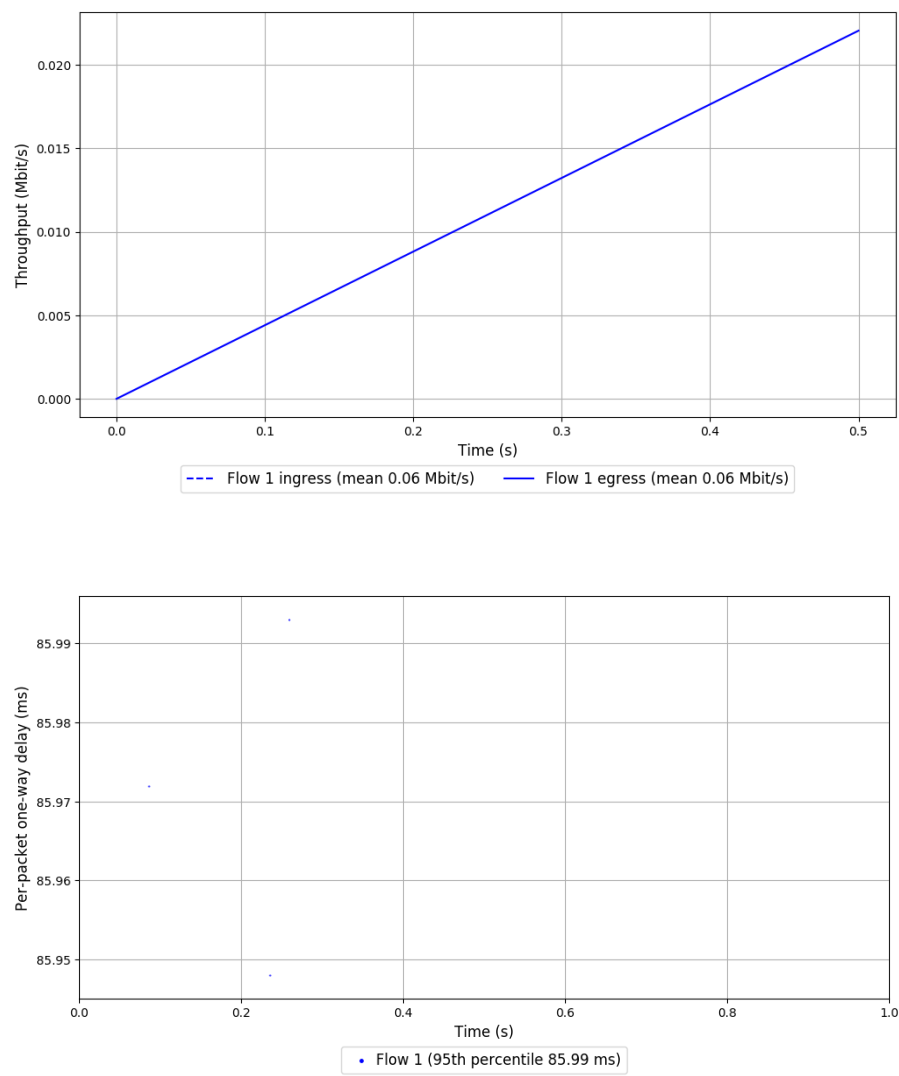
Start at: 2018-08-09 15:00:25

End at: 2018-08-09 15:00:55

Local clock offset: -0.174 ms

Remote clock offset: -0.056 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

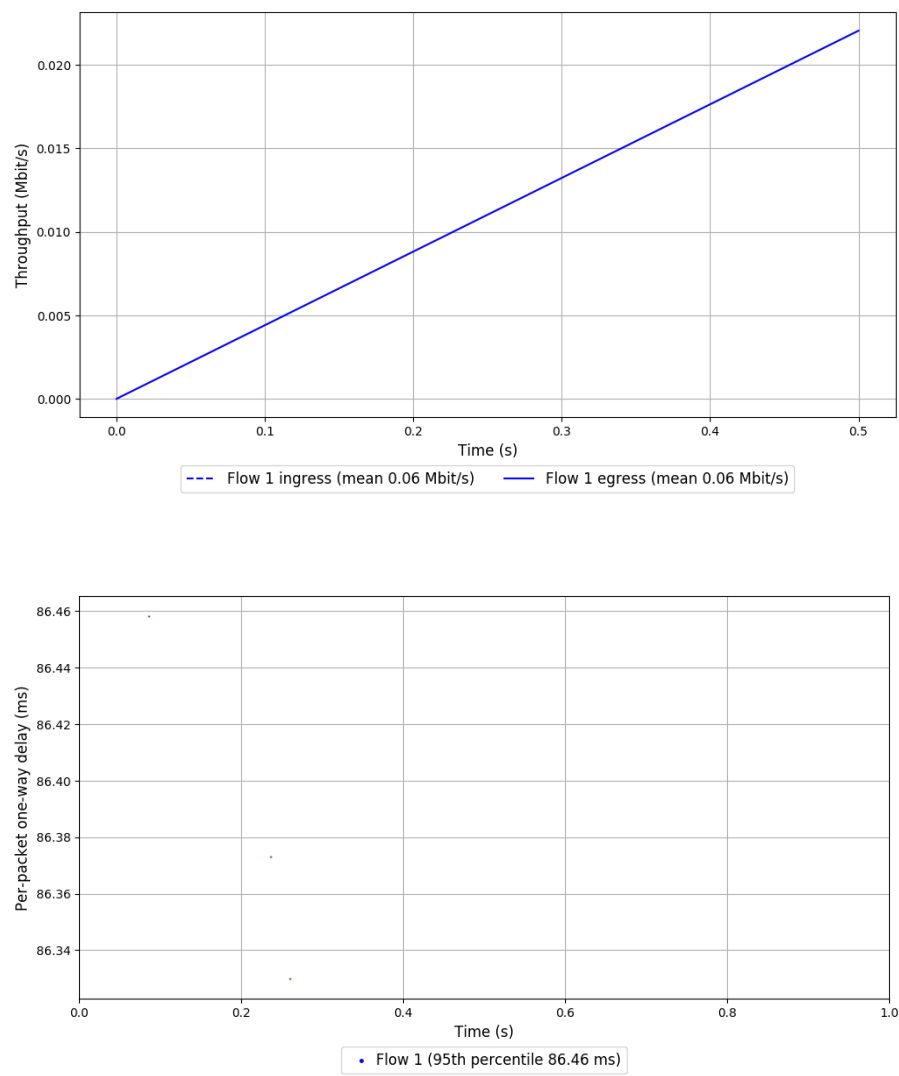
Start at: 2018-08-09 15:23:04

End at: 2018-08-09 15:23:34

Local clock offset: 0.0 ms

Remote clock offset: -0.147 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-09 15:45:59

End at: 2018-08-09 15:46:29

Local clock offset: -0.303 ms

Remote clock offset: 6.666 ms

Below is generated by plot.py at 2018-08-09 19:31:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.59 Mbit/s

95th percentile per-packet one-way delay: 85.708 ms

Loss rate: 0.94%

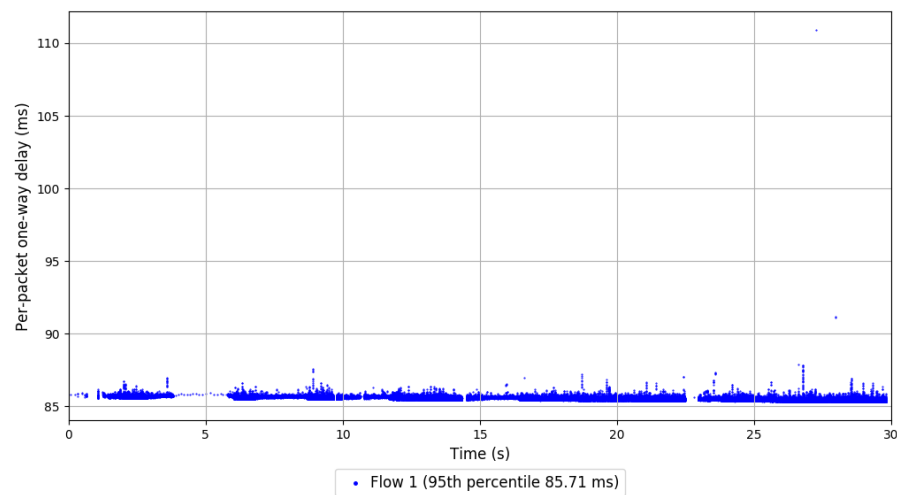
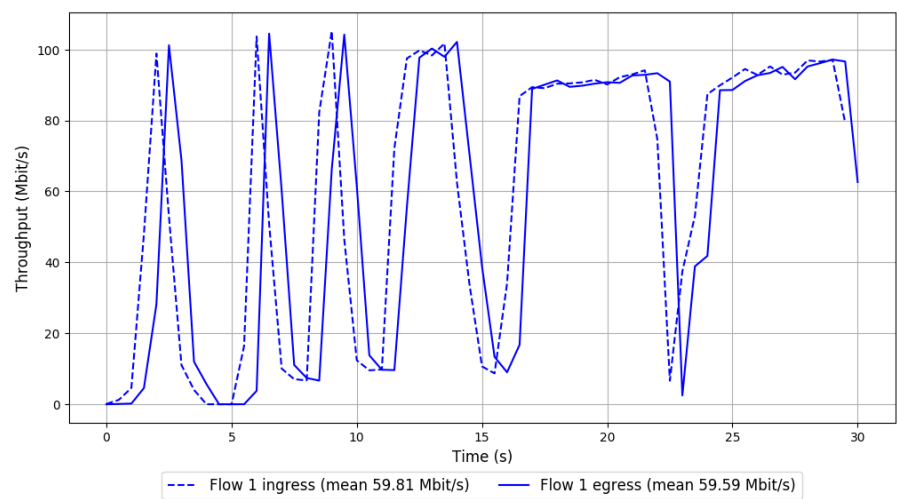
-- Flow 1:

Average throughput: 59.59 Mbit/s

95th percentile per-packet one-way delay: 85.708 ms

Loss rate: 0.94%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-09 16:08:37

End at: 2018-08-09 16:09:07

Local clock offset: -0.19 ms

Remote clock offset: 5.674 ms

Below is generated by plot.py at 2018-08-09 19:31:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.68 Mbit/s

95th percentile per-packet one-way delay: 86.650 ms

Loss rate: 0.91%

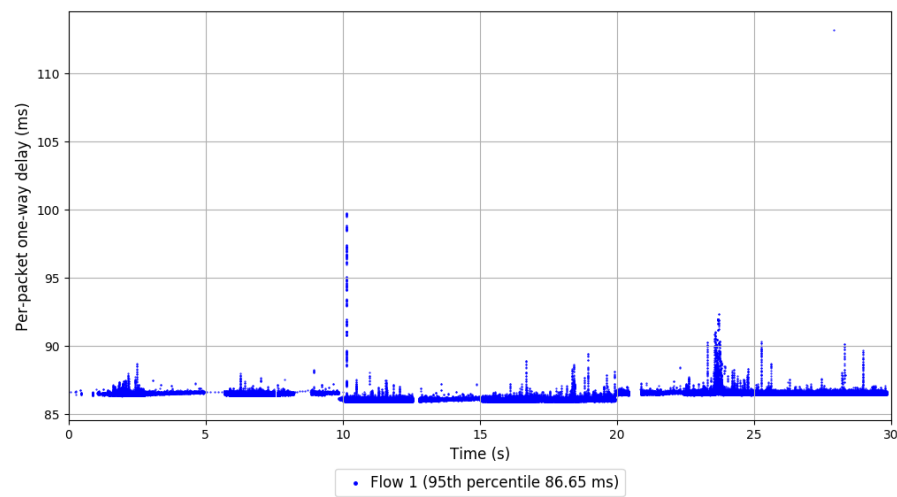
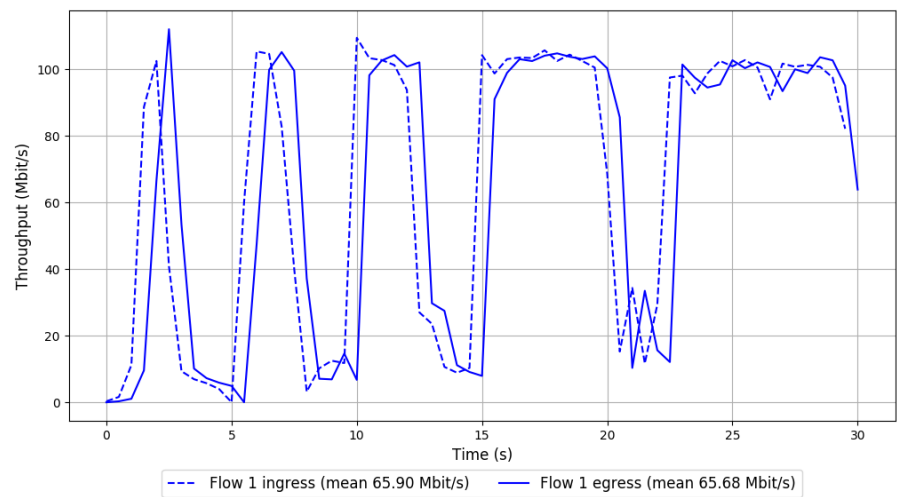
-- Flow 1:

Average throughput: 65.68 Mbit/s

95th percentile per-packet one-way delay: 86.650 ms

Loss rate: 0.91%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-09 16:31:14

End at: 2018-08-09 16:31:44

Local clock offset: -0.243 ms

Remote clock offset: 2.979 ms

Below is generated by plot.py at 2018-08-09 19:31:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.01 Mbit/s

95th percentile per-packet one-way delay: 86.337 ms

Loss rate: 0.92%

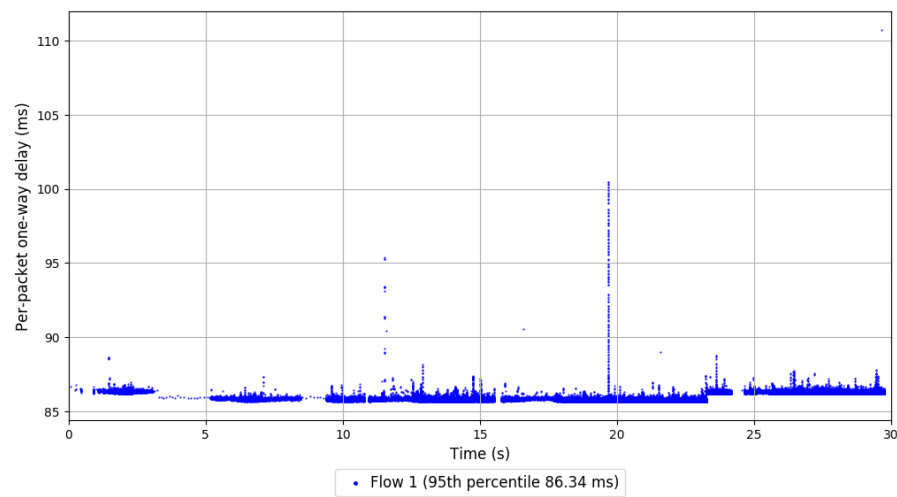
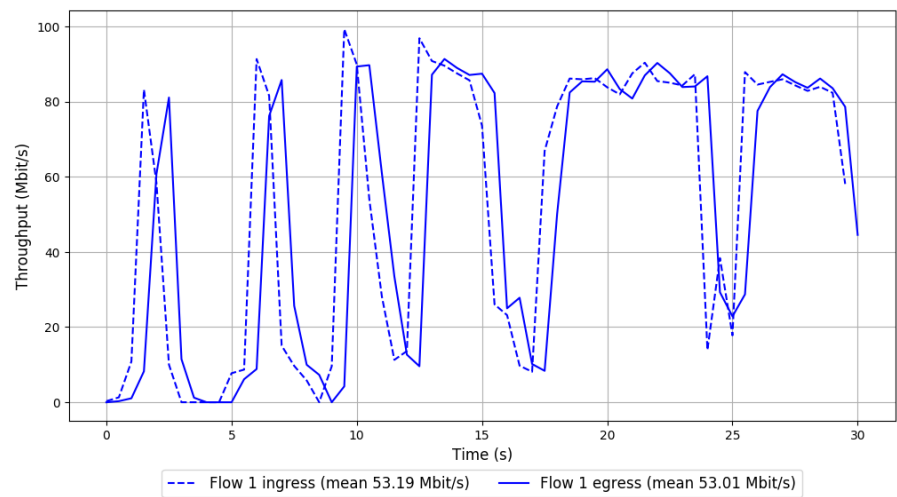
-- Flow 1:

Average throughput: 53.01 Mbit/s

95th percentile per-packet one-way delay: 86.337 ms

Loss rate: 0.92%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

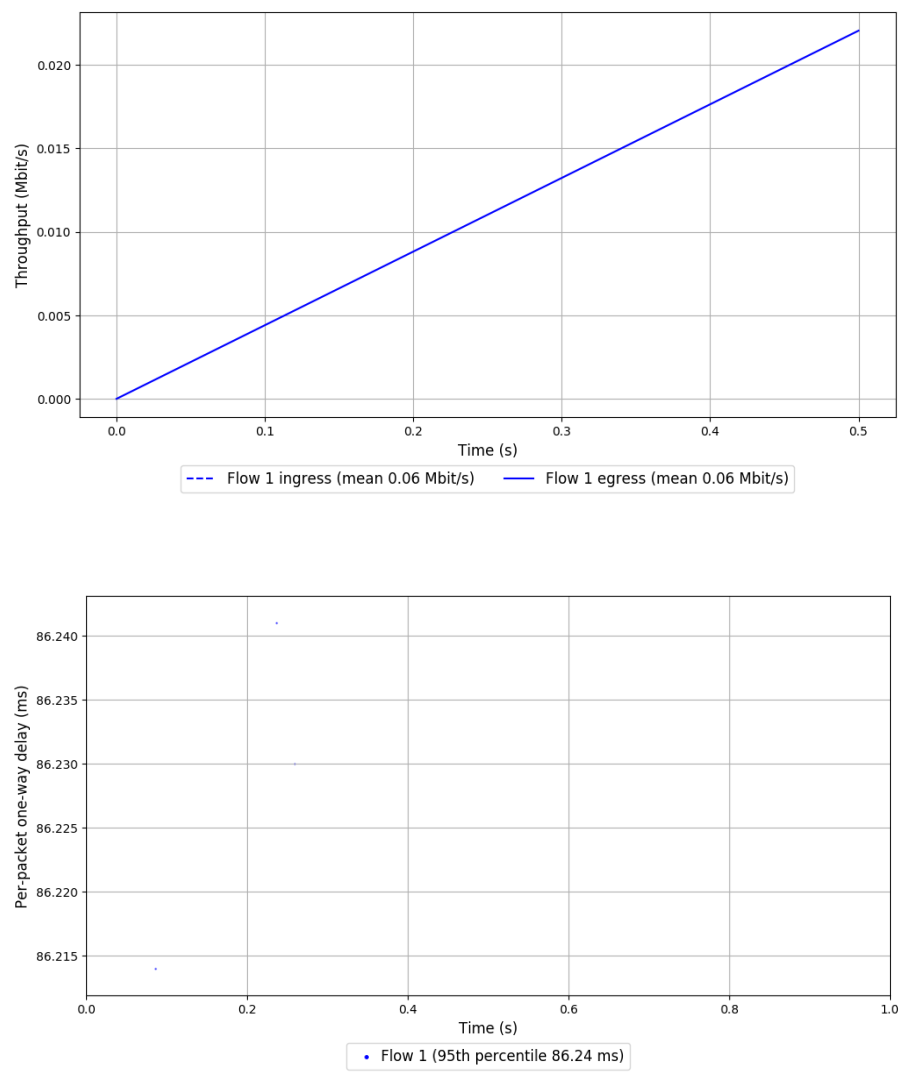
Start at: 2018-08-09 16:54:17

End at: 2018-08-09 16:54:47

Local clock offset: -0.09 ms

Remote clock offset: 3.052 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-09 17:17:21

End at: 2018-08-09 17:17:51

Local clock offset: -0.025 ms

Remote clock offset: 1.416 ms

Below is generated by plot.py at 2018-08-09 19:31:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.07 Mbit/s

95th percentile per-packet one-way delay: 86.336 ms

Loss rate: 0.91%

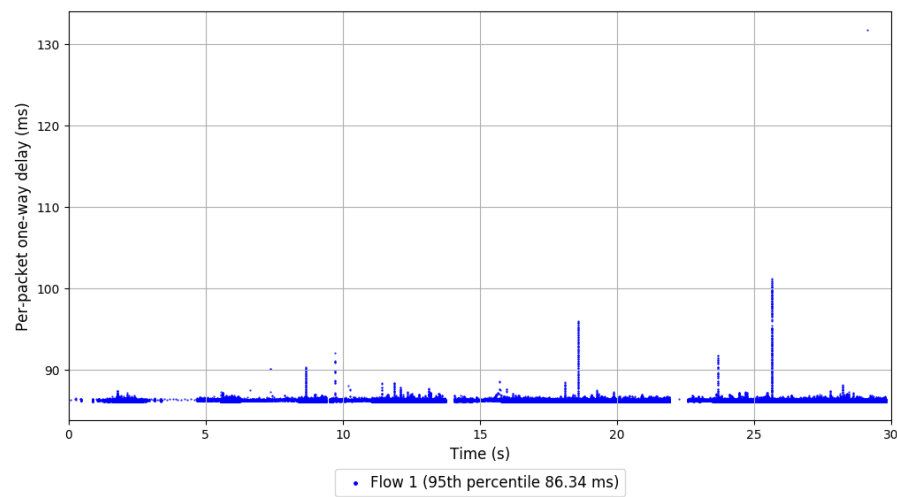
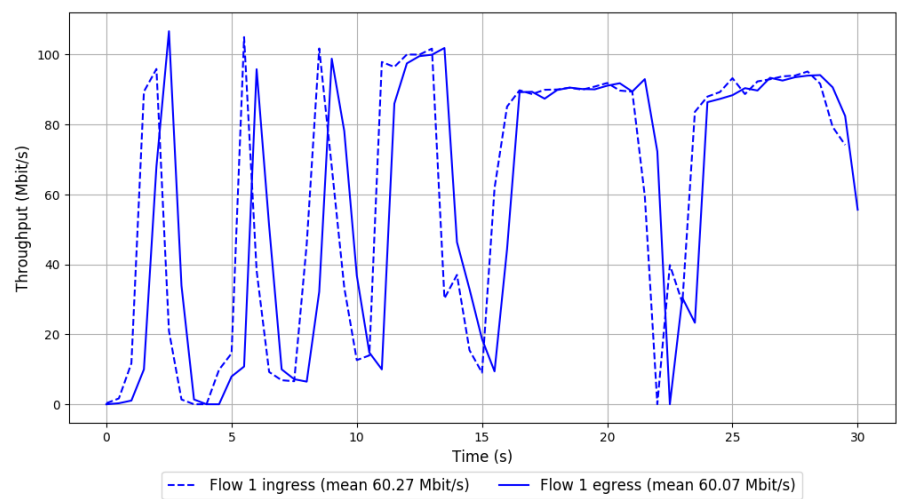
-- Flow 1:

Average throughput: 60.07 Mbit/s

95th percentile per-packet one-way delay: 86.336 ms

Loss rate: 0.91%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

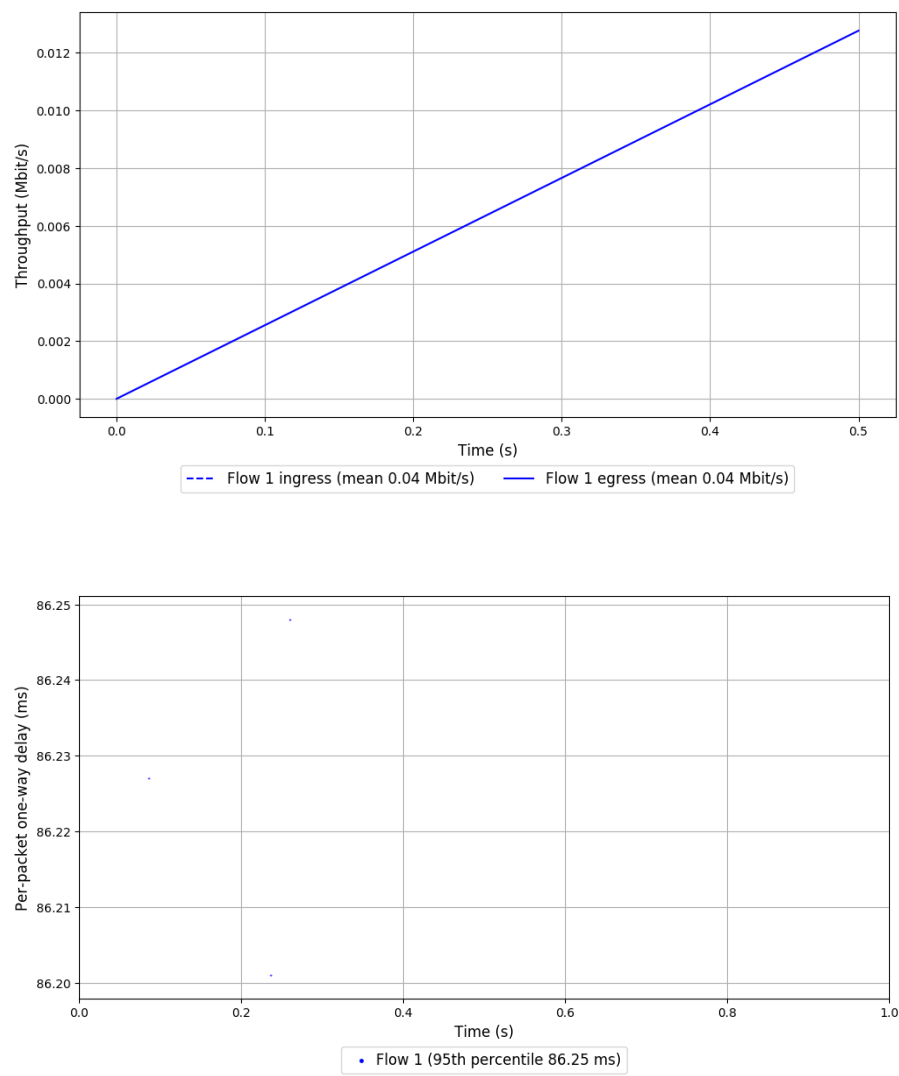
Start at: 2018-08-09 17:40:23

End at: 2018-08-09 17:40:53

Local clock offset: -0.13 ms

Remote clock offset: 0.693 ms

Run 10: Report of QUIC Cubic — Data Link

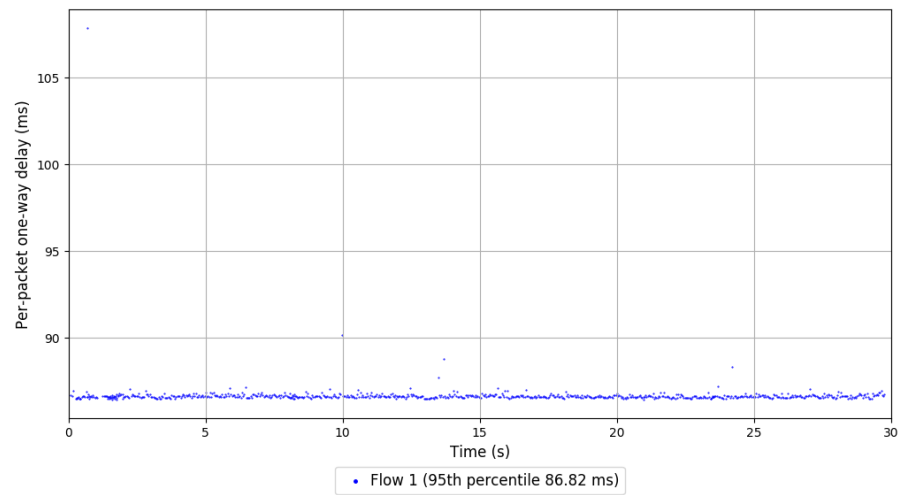
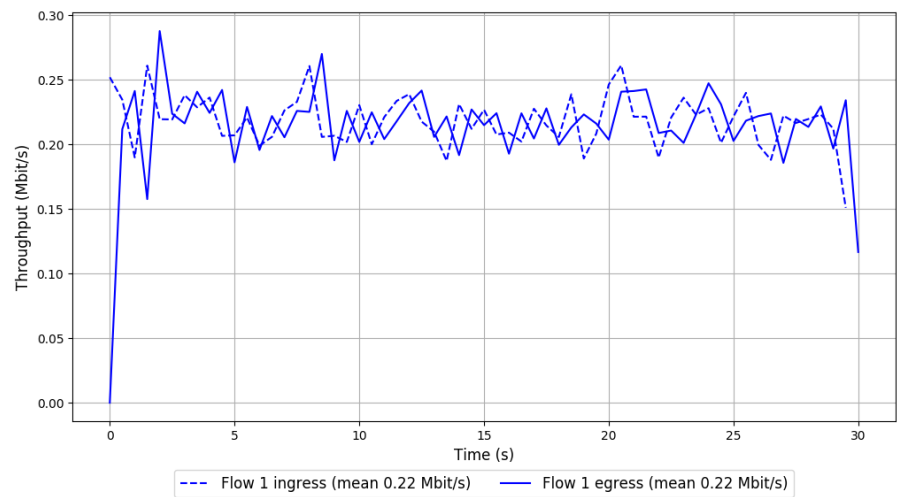


```
Run 1: Statistics of SCReAM

Start at: 2018-08-09 14:23:57
End at: 2018-08-09 14:24:27
Local clock offset: -0.122 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-08-09 19:31:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.821 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.821 ms
Loss rate: 0.51%
```

Run 1: Report of SReAM — Data Link

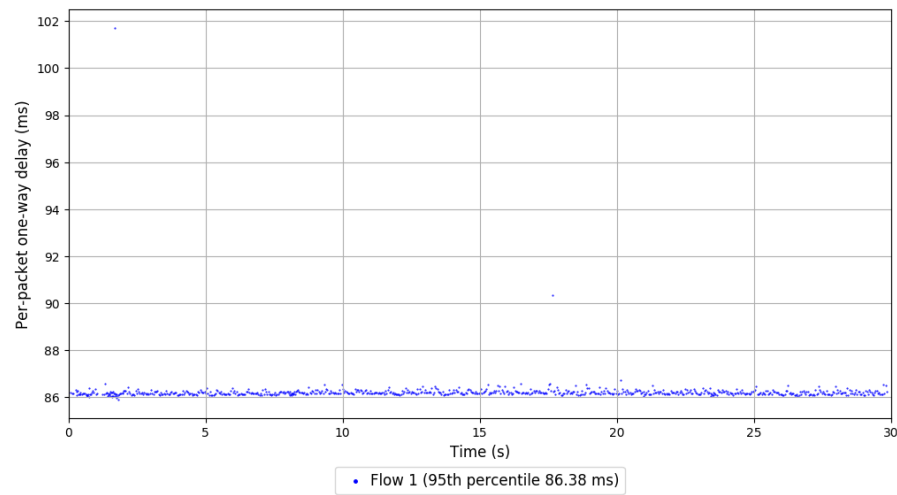
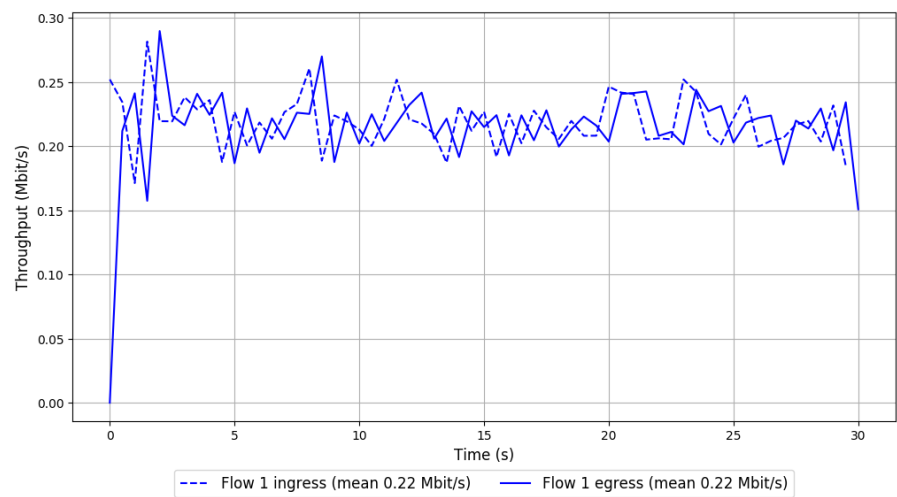


Run 2: Statistics of SCReAM

Start at: 2018-08-09 14:46:59
End at: 2018-08-09 14:47:29
Local clock offset: -0.102 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-08-09 19:31:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.379 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.379 ms
Loss rate: 0.51%

Run 2: Report of SReAM — Data Link

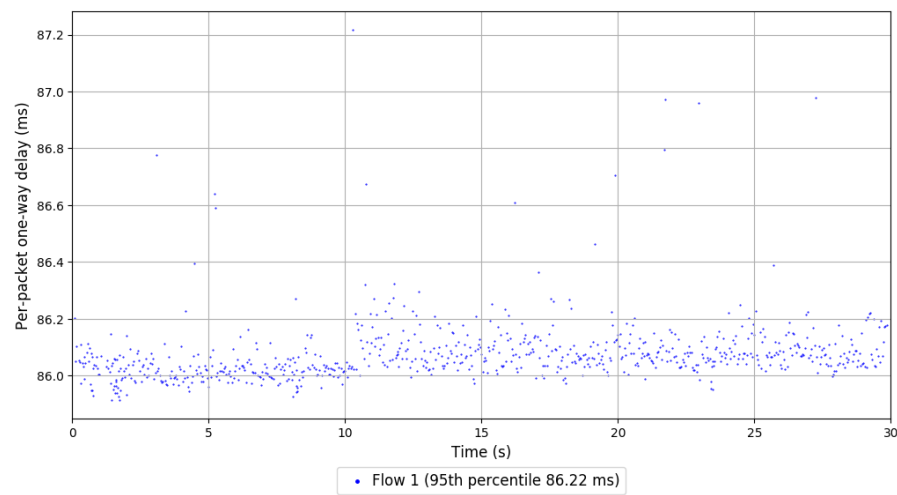
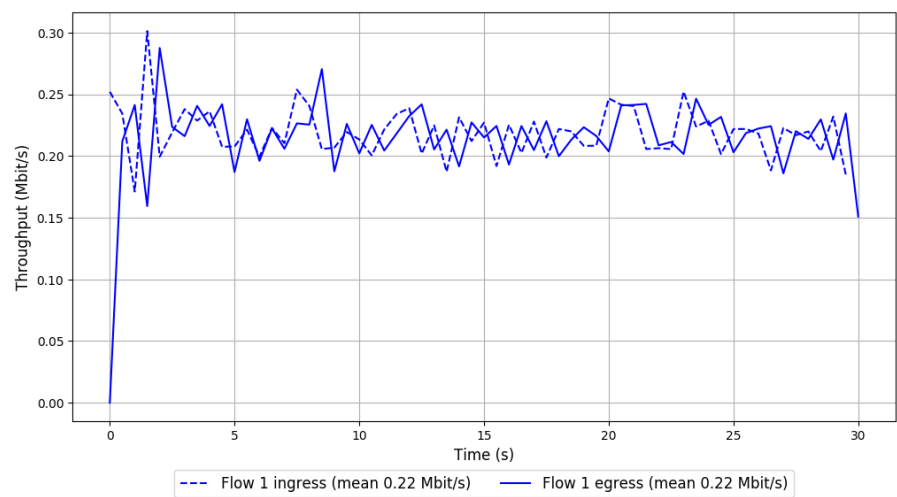


Run 3: Statistics of SCReAM

Start at: 2018-08-09 15:09:43
End at: 2018-08-09 15:10:13
Local clock offset: -0.129 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-08-09 19:31:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.219 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.219 ms
Loss rate: 0.51%

Run 3: Report of SReAM — Data Link

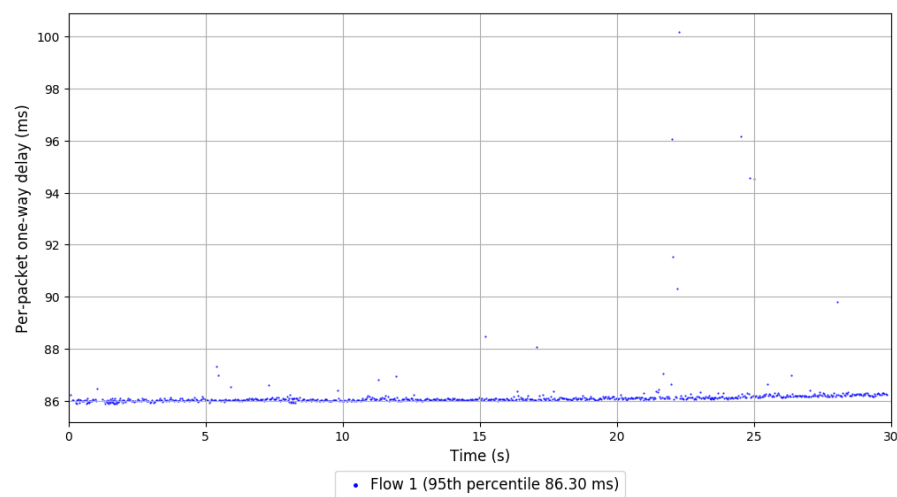
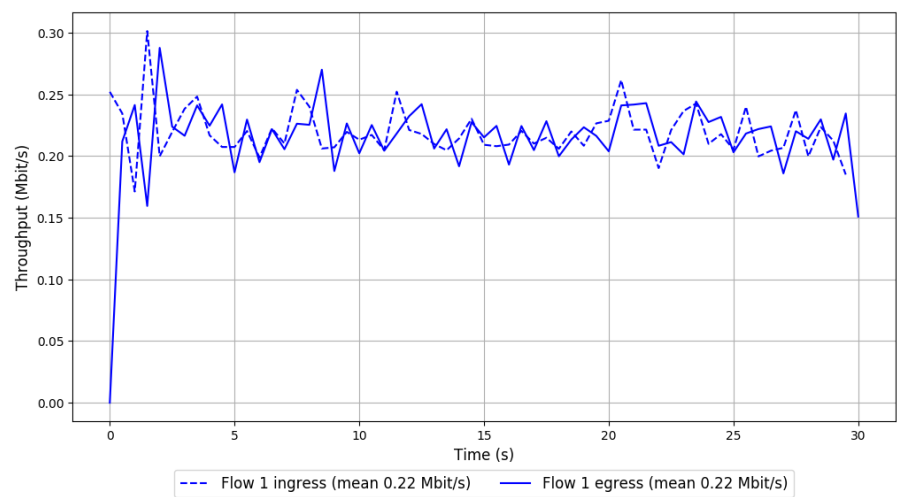


```
Run 4: Statistics of SCReAM

Start at: 2018-08-09 15:32:30
End at: 2018-08-09 15:33:00
Local clock offset: -0.35 ms
Remote clock offset: 3.145 ms

# Below is generated by plot.py at 2018-08-09 19:31:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.303 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.303 ms
Loss rate: 0.51%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-08-09 15:55:27

End at: 2018-08-09 15:55:58

Local clock offset: -0.086 ms

Remote clock offset: 4.505 ms

Below is generated by plot.py at 2018-08-09 19:31:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.388 ms

Loss rate: 0.64%

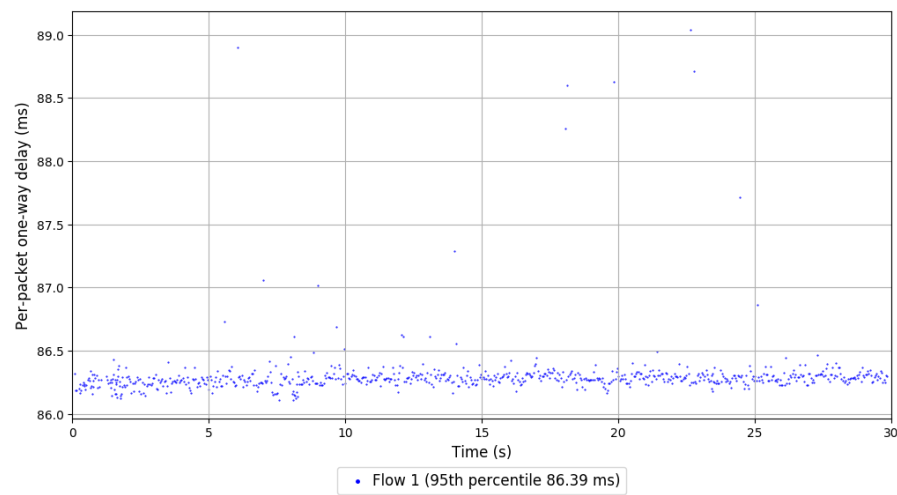
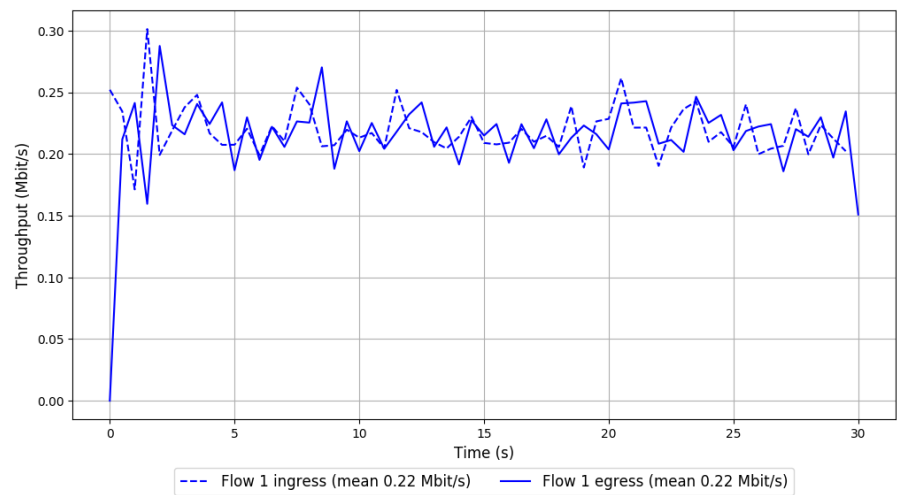
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.388 ms

Loss rate: 0.64%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-08-09 16:17:39

End at: 2018-08-09 16:18:09

Local clock offset: -0.267 ms

Remote clock offset: 7.309 ms

Below is generated by plot.py at 2018-08-09 19:31:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.728 ms

Loss rate: 0.51%

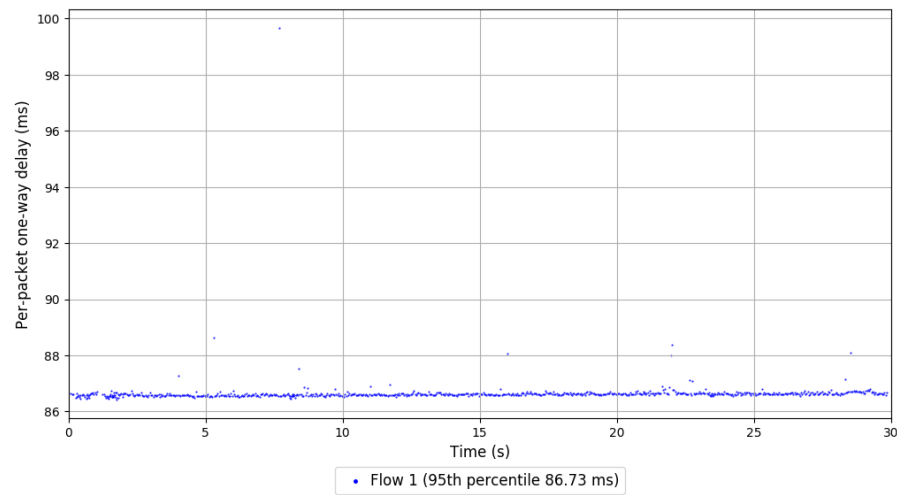
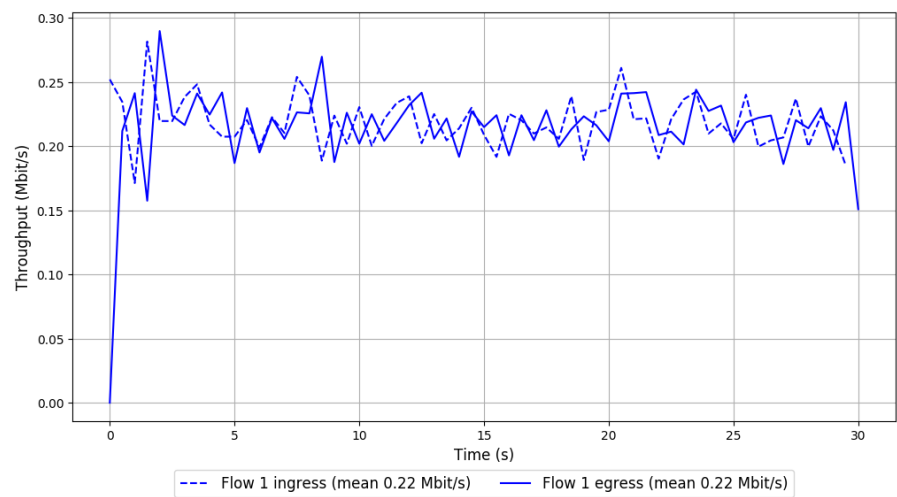
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.728 ms

Loss rate: 0.51%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-08-09 16:40:44

End at: 2018-08-09 16:41:14

Local clock offset: -0.116 ms

Remote clock offset: 2.807 ms

Below is generated by plot.py at 2018-08-09 19:31:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.355 ms

Loss rate: 0.51%

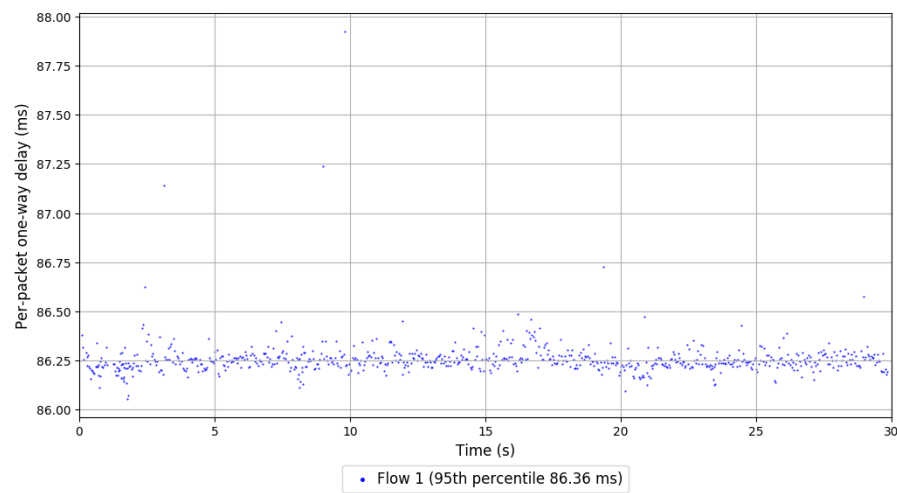
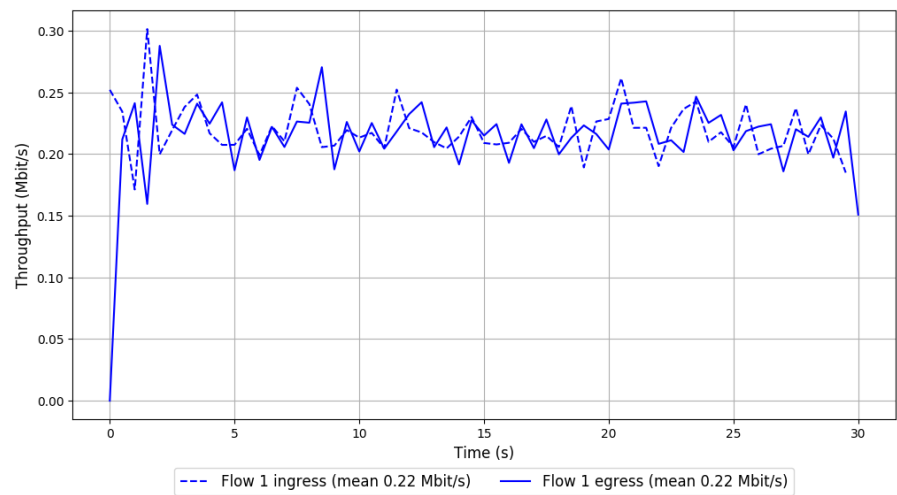
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.355 ms

Loss rate: 0.51%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-08-09 17:03:45

End at: 2018-08-09 17:04:15

Local clock offset: 0.061 ms

Remote clock offset: 1.549 ms

Below is generated by plot.py at 2018-08-09 19:31:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.383 ms

Loss rate: 0.64%

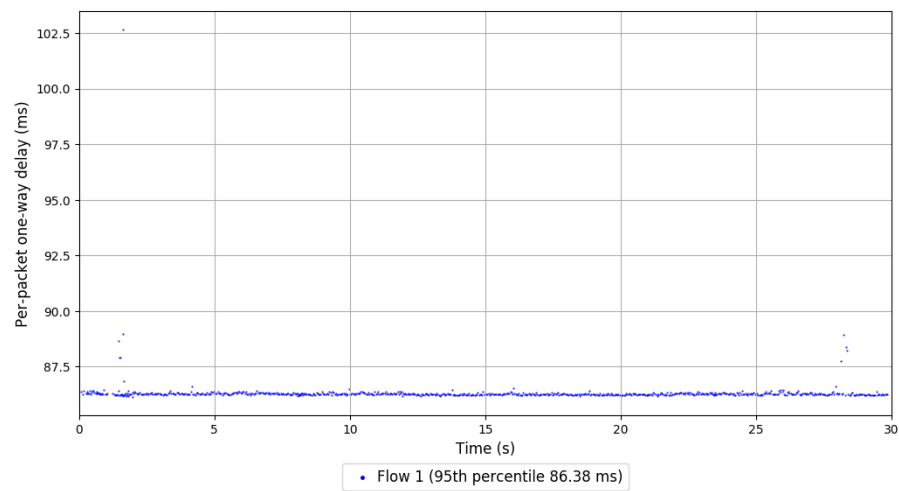
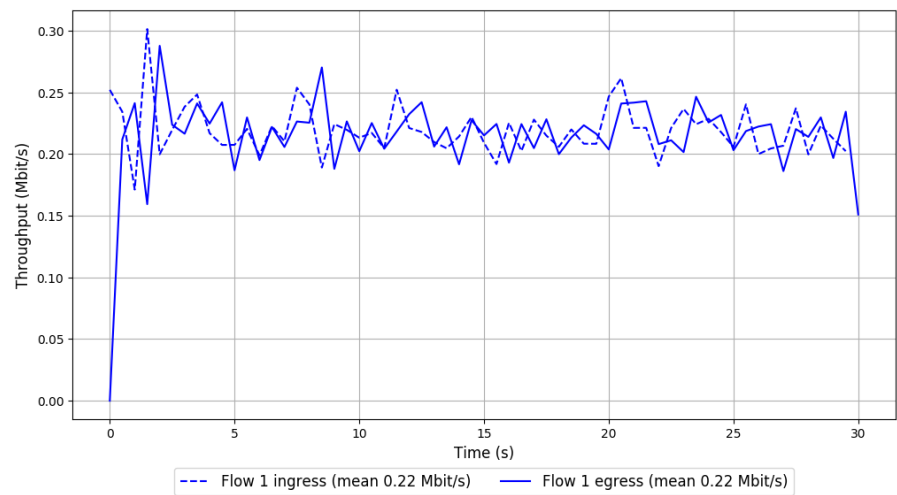
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.383 ms

Loss rate: 0.64%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-08-09 17:26:52

End at: 2018-08-09 17:27:22

Local clock offset: -0.116 ms

Remote clock offset: 1.818 ms

Below is generated by plot.py at 2018-08-09 19:31:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.050 ms

Loss rate: 0.51%

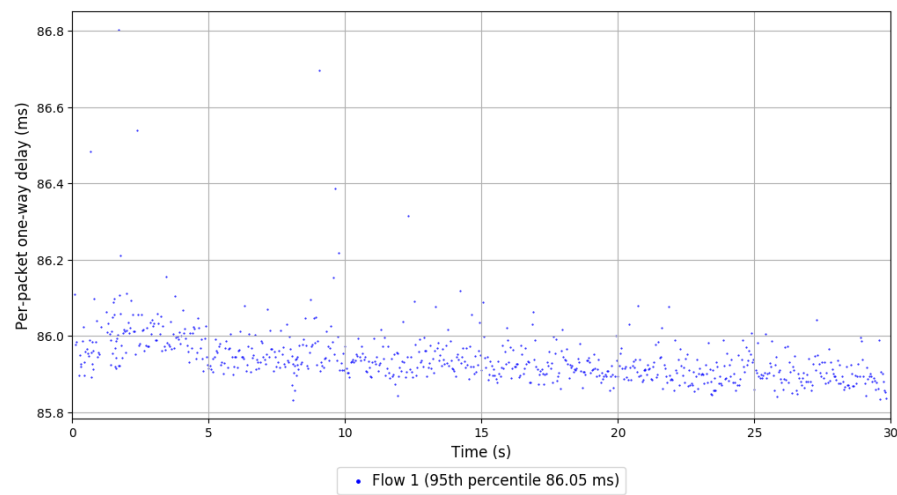
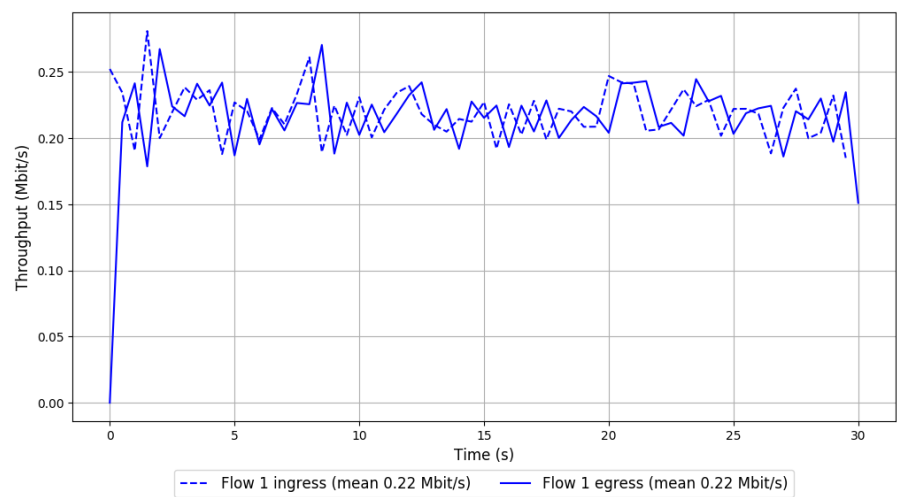
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.050 ms

Loss rate: 0.51%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-09 17:49:47

End at: 2018-08-09 17:50:17

Local clock offset: -0.137 ms

Remote clock offset: 0.691 ms

Below is generated by plot.py at 2018-08-09 19:31:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.155 ms

Loss rate: 0.51%

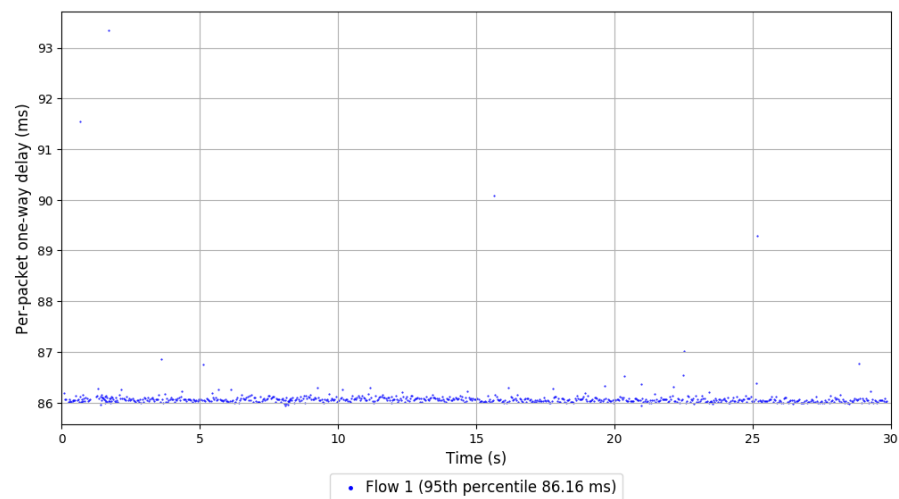
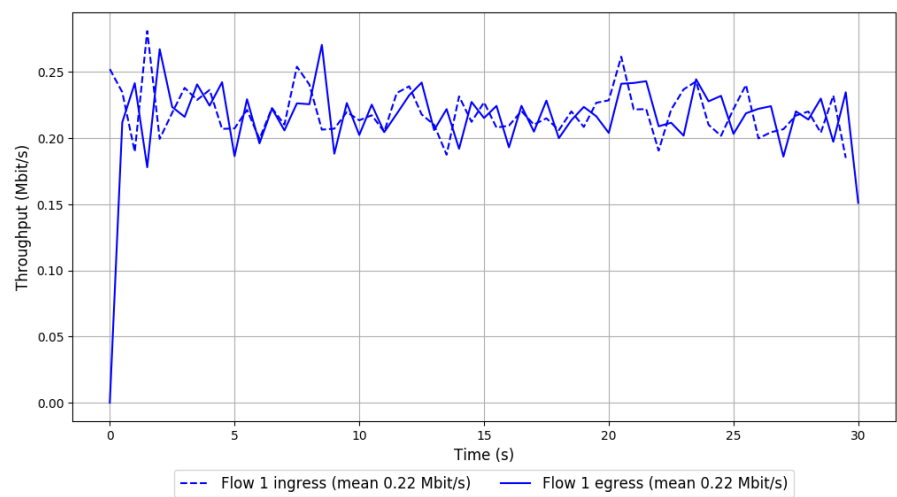
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.155 ms

Loss rate: 0.51%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-09 14:02:30

End at: 2018-08-09 14:03:00

Local clock offset: -0.021 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-08-09 19:31:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 86.730 ms

Loss rate: 0.80%

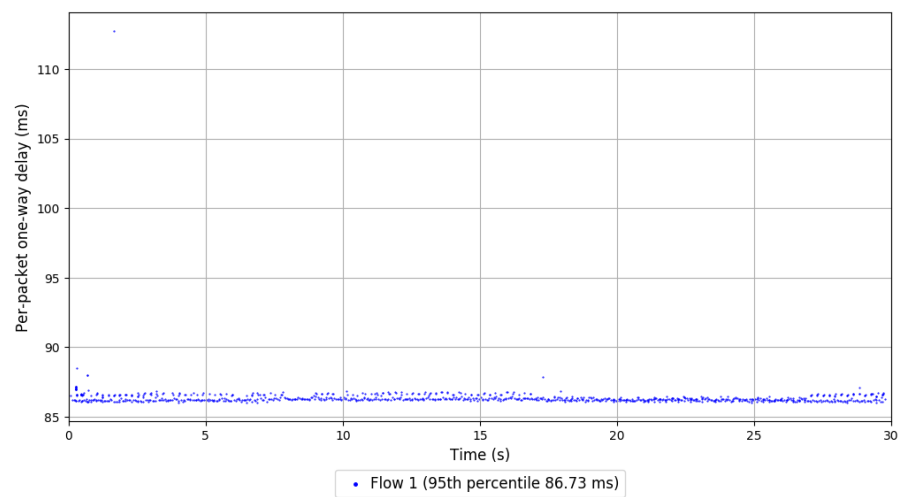
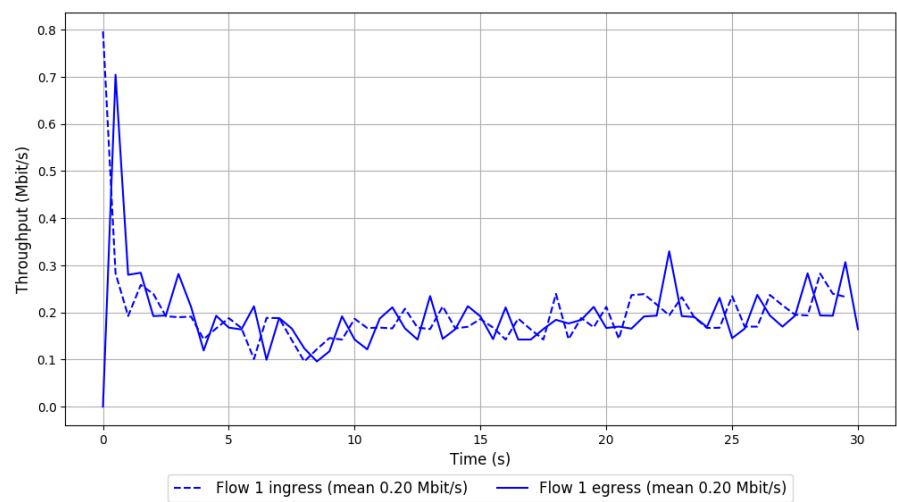
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 86.730 ms

Loss rate: 0.80%

Run 1: Report of Sprout — Data Link

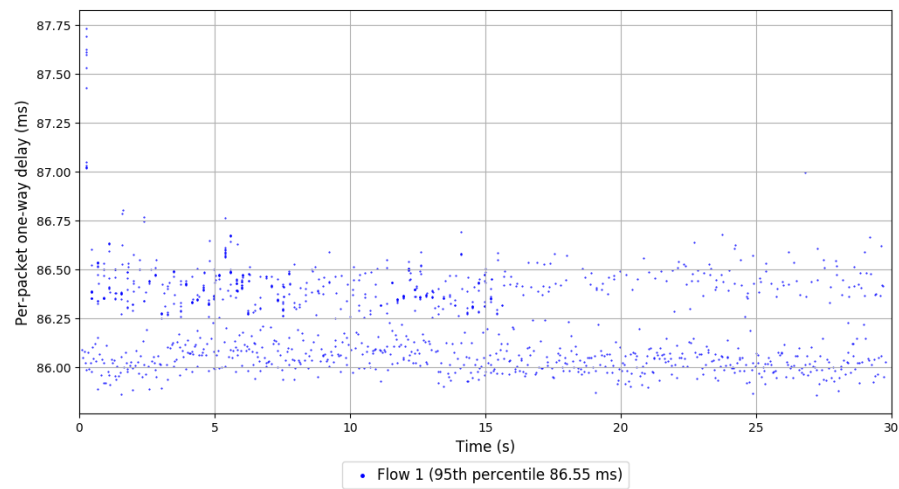
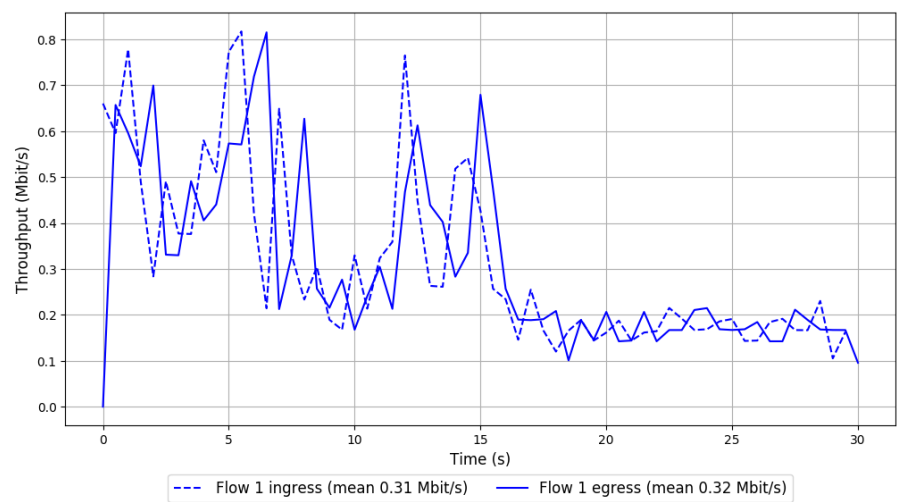


Run 2: Statistics of Sprout

Start at: 2018-08-09 14:25:04
End at: 2018-08-09 14:25:34
Local clock offset: -0.265 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-08-09 19:31:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.549 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.549 ms
Loss rate: 0.37%

Run 2: Report of Sprout — Data Link

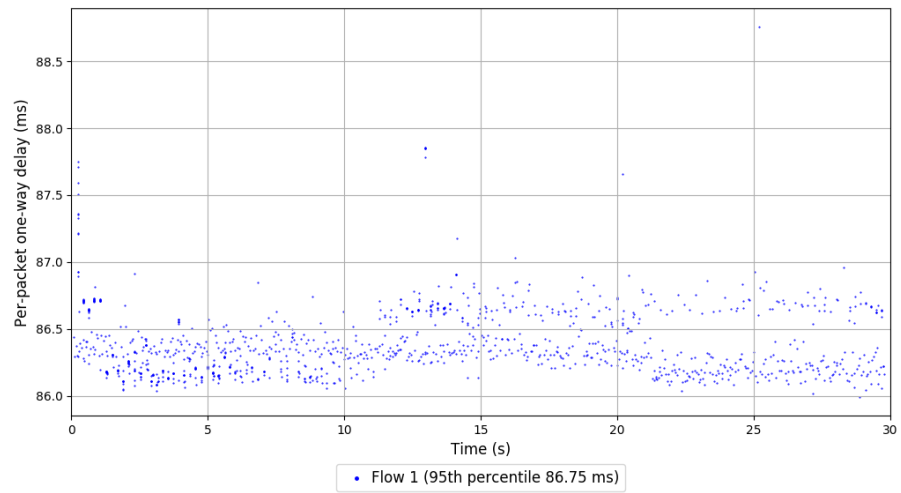
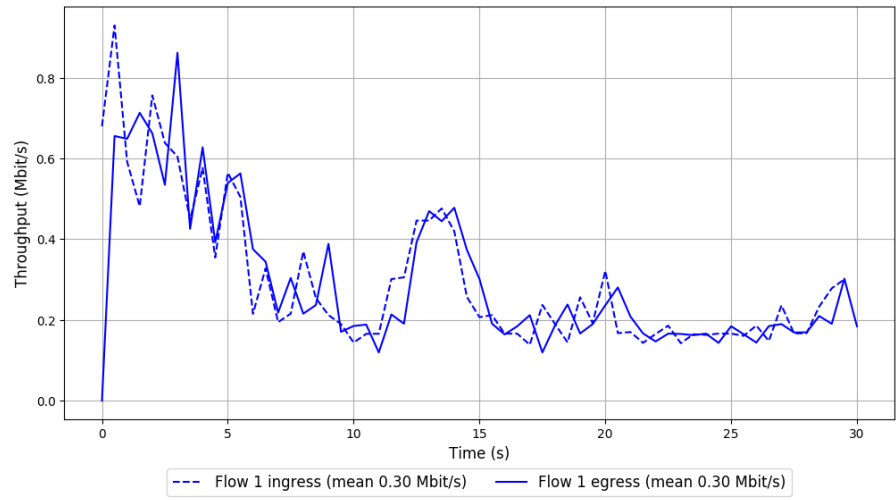


Run 3: Statistics of Sprout

Start at: 2018-08-09 14:48:06
End at: 2018-08-09 14:48:36
Local clock offset: -0.105 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-09 19:31:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.755 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.755 ms
Loss rate: 0.89%

Run 3: Report of Sprout — Data Link

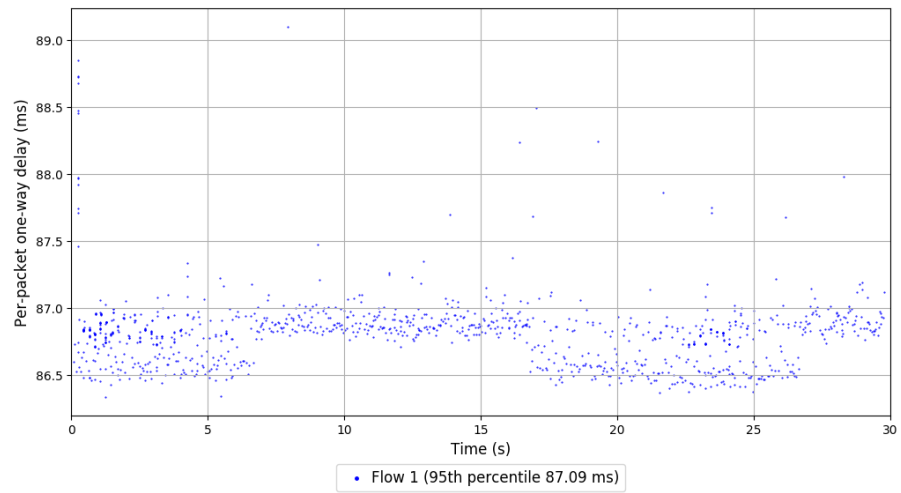
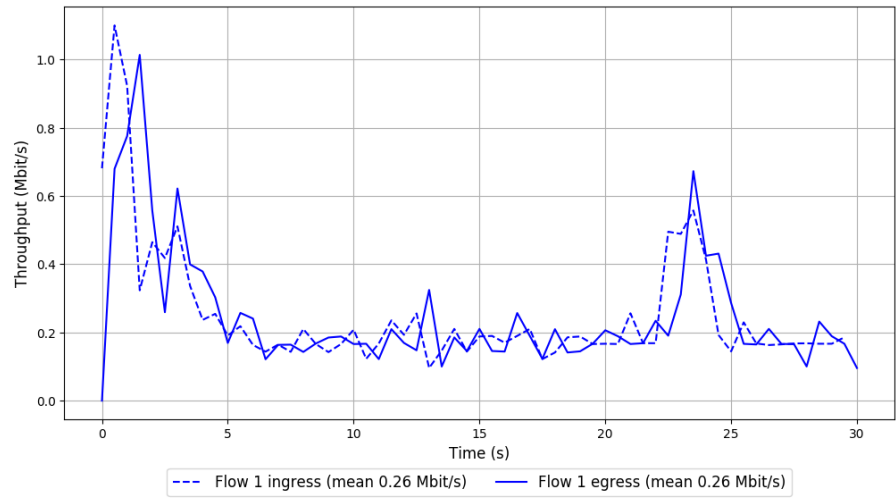


Run 4: Statistics of Sprout

Start at: 2018-08-09 15:10:50
End at: 2018-08-09 15:11:20
Local clock offset: 0.074 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-08-09 19:31:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 87.087 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 87.087 ms
Loss rate: 0.61%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-08-09 15:33:37

End at: 2018-08-09 15:34:07

Local clock offset: -0.36 ms

Remote clock offset: 3.538 ms

Below is generated by plot.py at 2018-08-09 19:31:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 86.650 ms

Loss rate: 1.07%

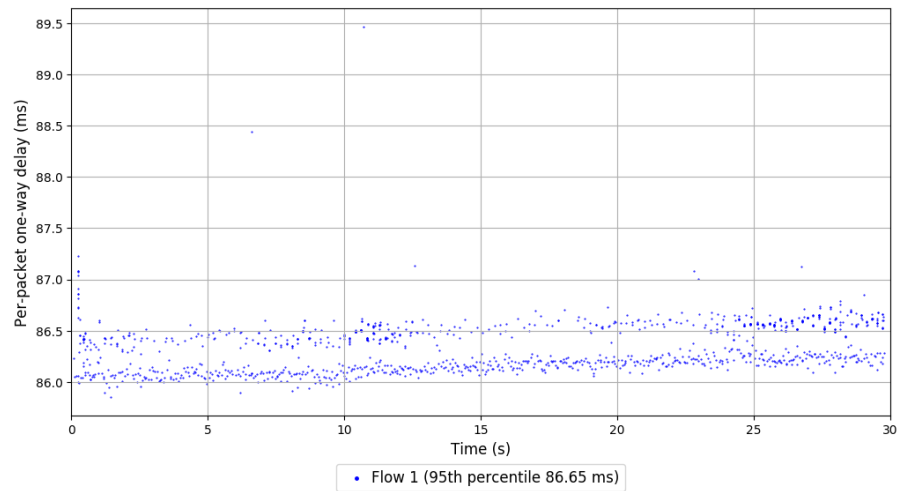
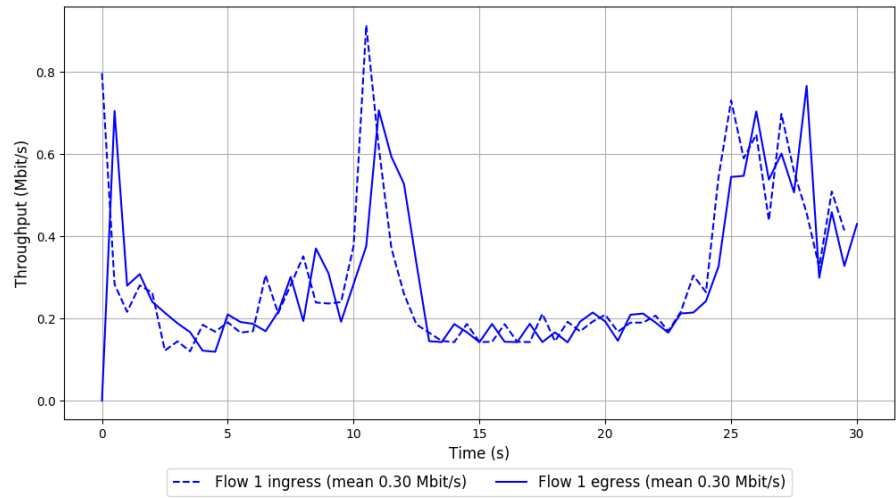
-- Flow 1:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 86.650 ms

Loss rate: 1.07%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-08-09 15:56:34

End at: 2018-08-09 15:57:04

Local clock offset: -0.175 ms

Remote clock offset: 4.481 ms

Below is generated by plot.py at 2018-08-09 19:31:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 86.540 ms

Loss rate: 0.37%

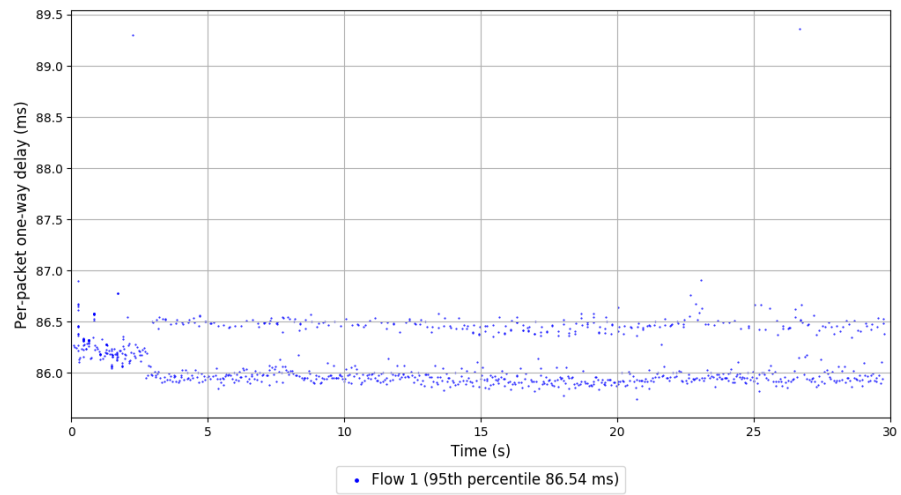
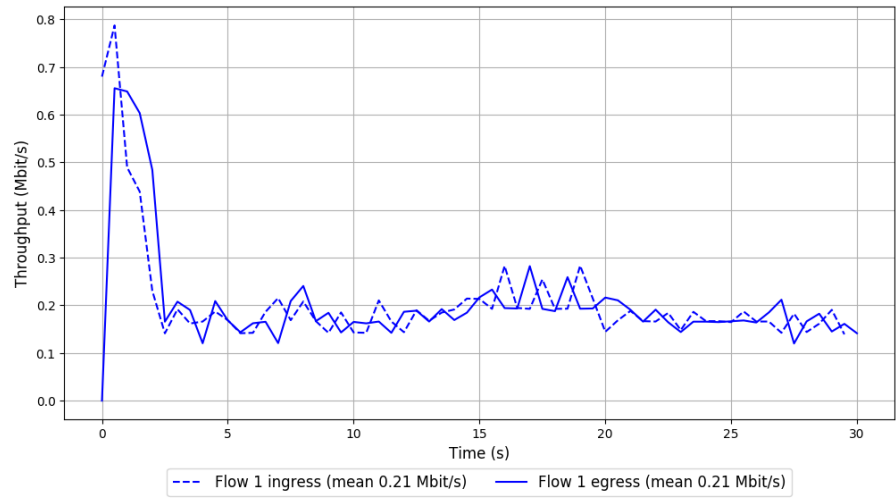
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 86.540 ms

Loss rate: 0.37%

Run 6: Report of Sprout — Data Link

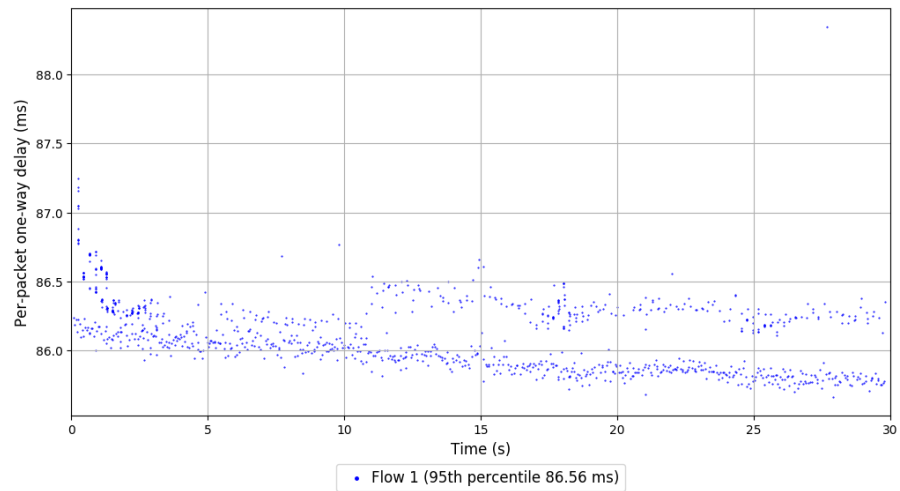
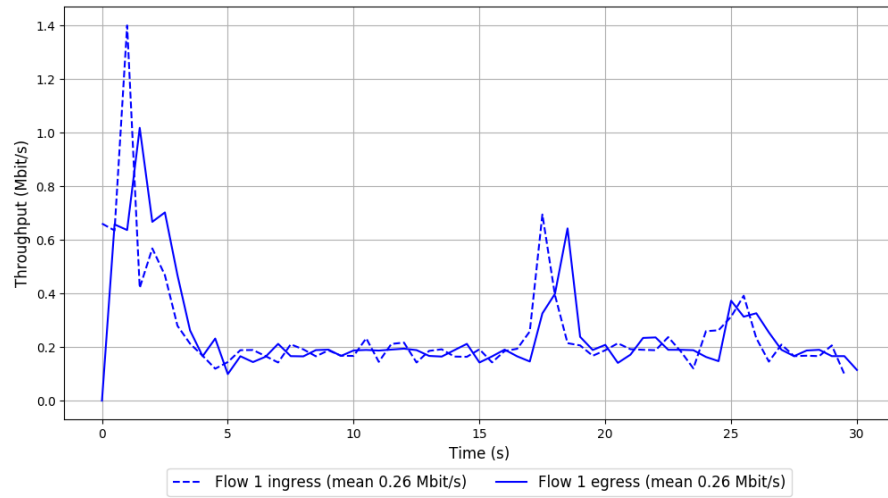


Run 7: Statistics of Sprout

Start at: 2018-08-09 16:18:46
End at: 2018-08-09 16:19:16
Local clock offset: -0.112 ms
Remote clock offset: 7.228 ms

Below is generated by plot.py at 2018-08-09 19:31:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.560 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.560 ms
Loss rate: 0.18%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-08-09 16:41:51

End at: 2018-08-09 16:42:21

Local clock offset: -0.119 ms

Remote clock offset: 2.885 ms

Below is generated by plot.py at 2018-08-09 19:31:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.828 ms

Loss rate: 1.25%

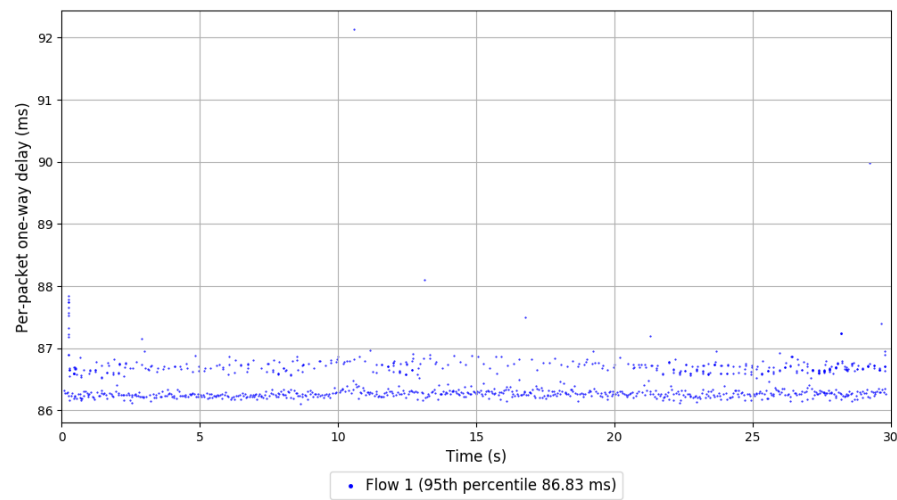
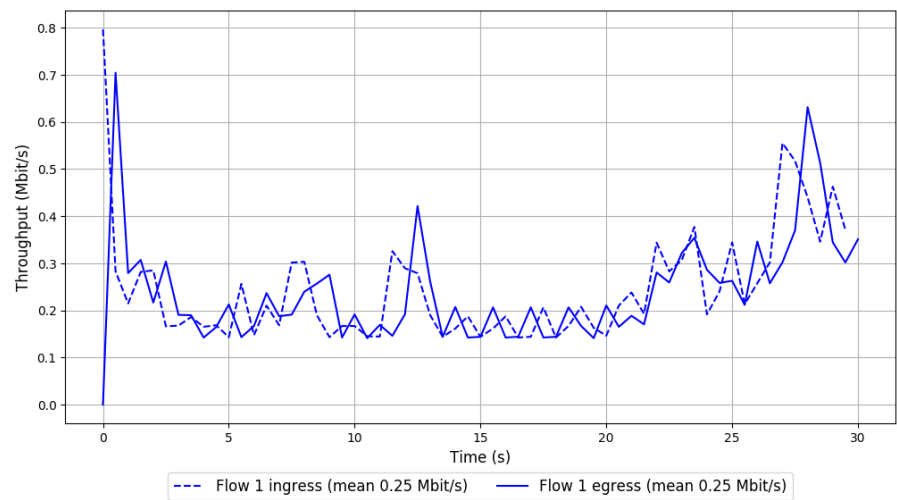
-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.828 ms

Loss rate: 1.25%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-09 17:04:52

End at: 2018-08-09 17:05:22

Local clock offset: -0.058 ms

Remote clock offset: 1.52 ms

Below is generated by plot.py at 2018-08-09 19:31:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.295 ms

Loss rate: 0.43%

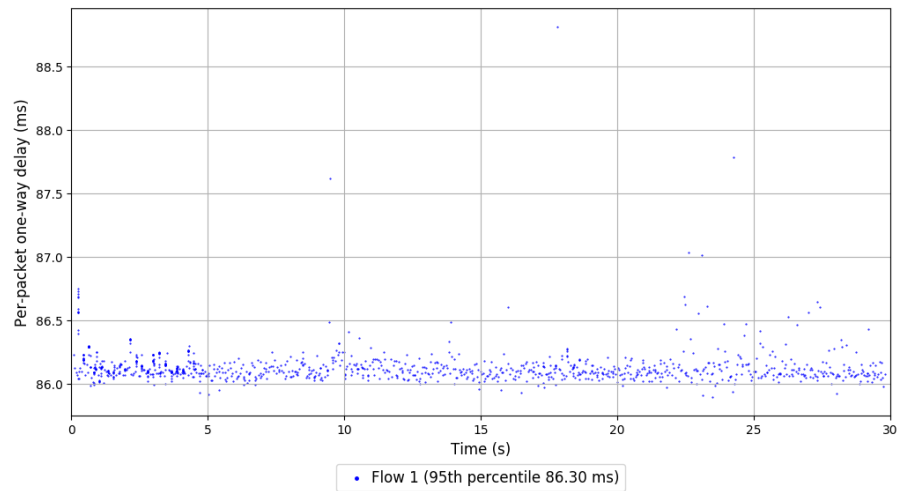
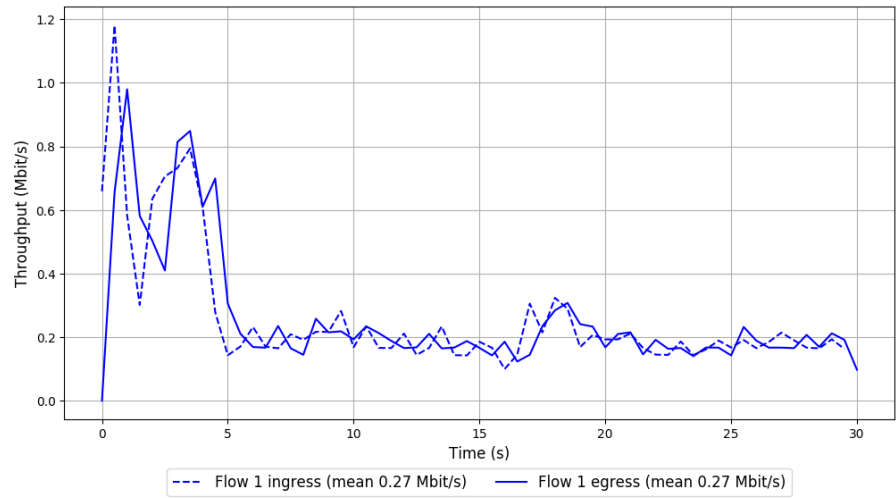
-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.295 ms

Loss rate: 0.43%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-09 17:27:59

End at: 2018-08-09 17:28:29

Local clock offset: -0.053 ms

Remote clock offset: 1.6 ms

Below is generated by plot.py at 2018-08-09 19:31:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.330 ms

Loss rate: 0.78%

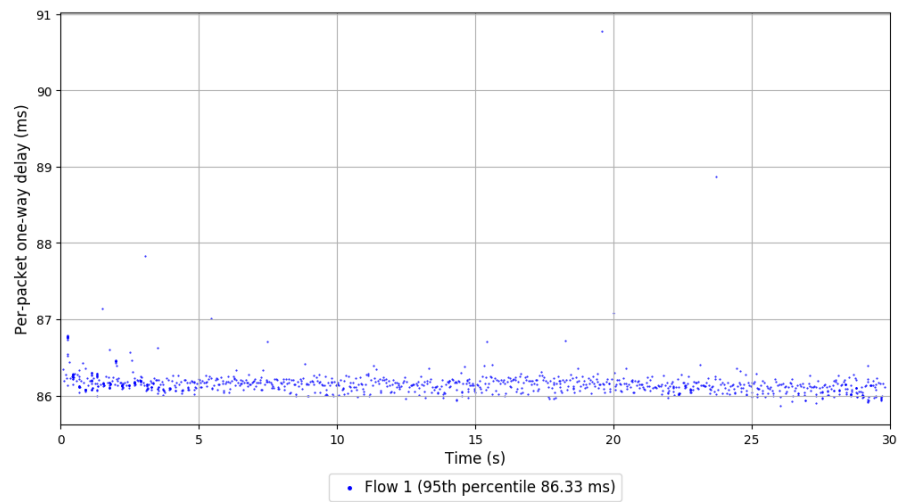
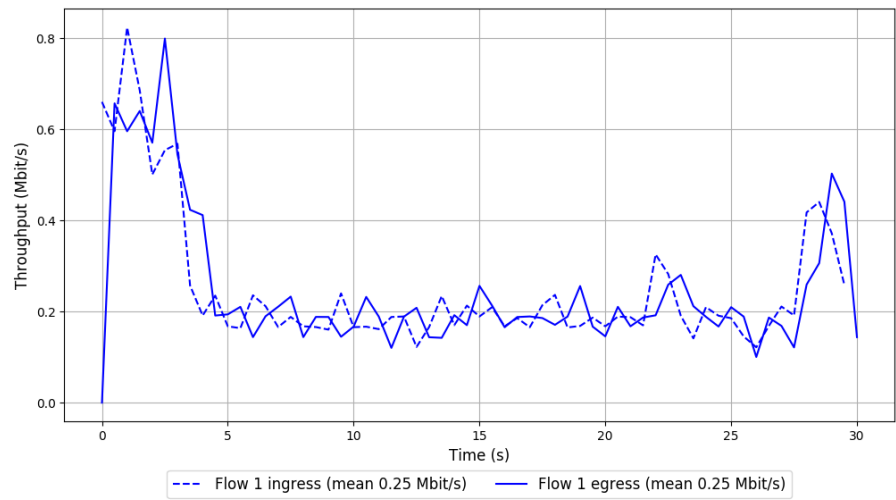
-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.330 ms

Loss rate: 0.78%

Run 10: Report of Sprout — Data Link

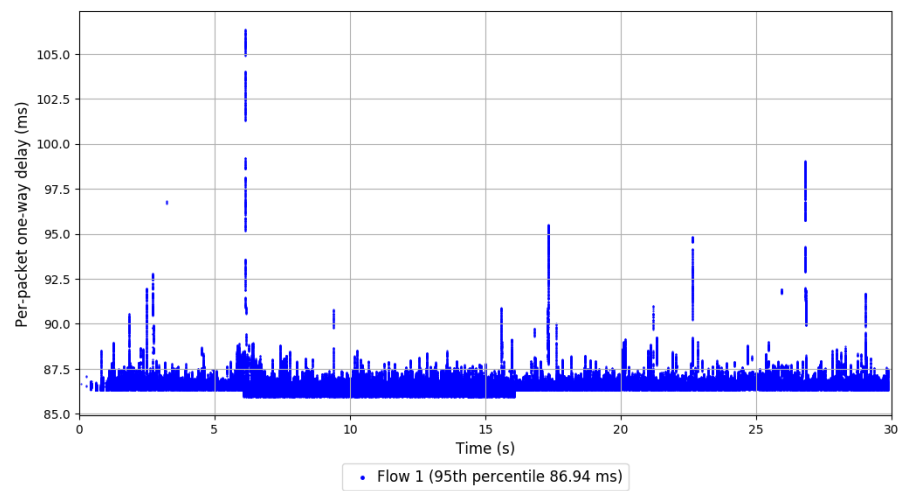
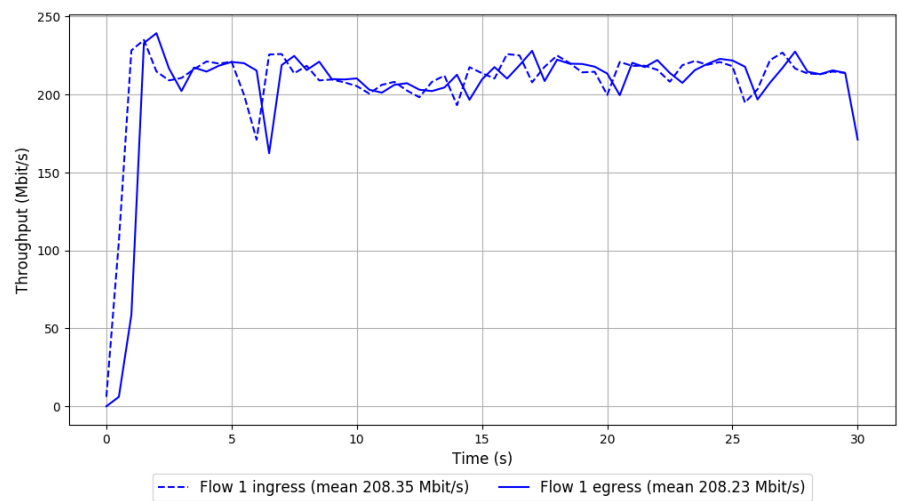


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-09 14:15:41
End at: 2018-08-09 14:16:11
Local clock offset: -0.141 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-08-09 19:32:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.23 Mbit/s
95th percentile per-packet one-way delay: 86.935 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 208.23 Mbit/s
95th percentile per-packet one-way delay: 86.935 ms
Loss rate: 0.64%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-09 14:38:43

End at: 2018-08-09 14:39:13

Local clock offset: -0.114 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-09 19:32:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.04 Mbit/s

95th percentile per-packet one-way delay: 87.059 ms

Loss rate: 0.61%

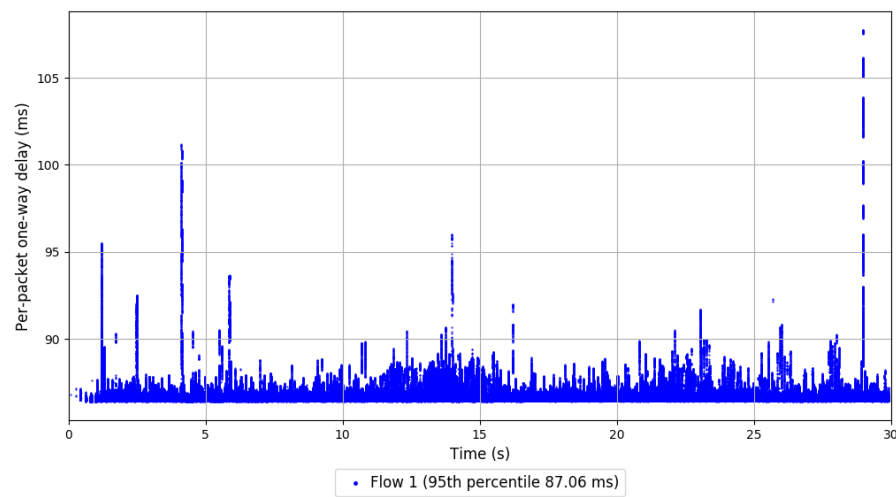
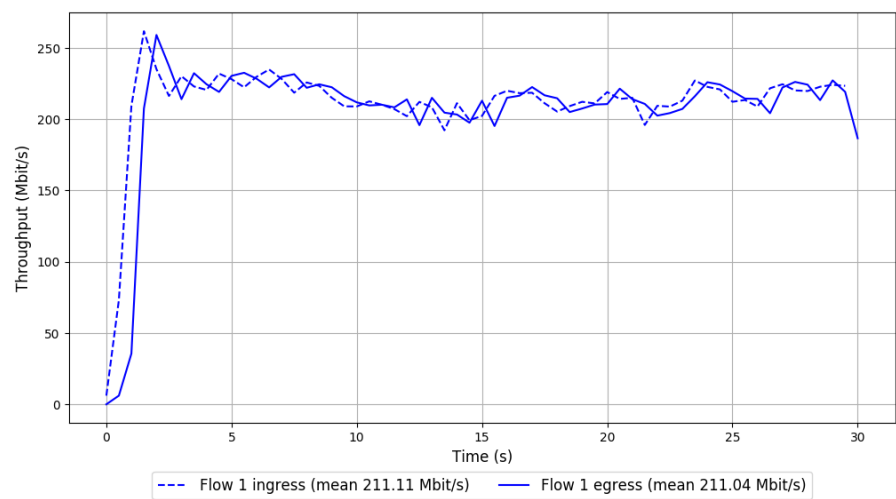
-- Flow 1:

Average throughput: 211.04 Mbit/s

95th percentile per-packet one-way delay: 87.059 ms

Loss rate: 0.61%

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

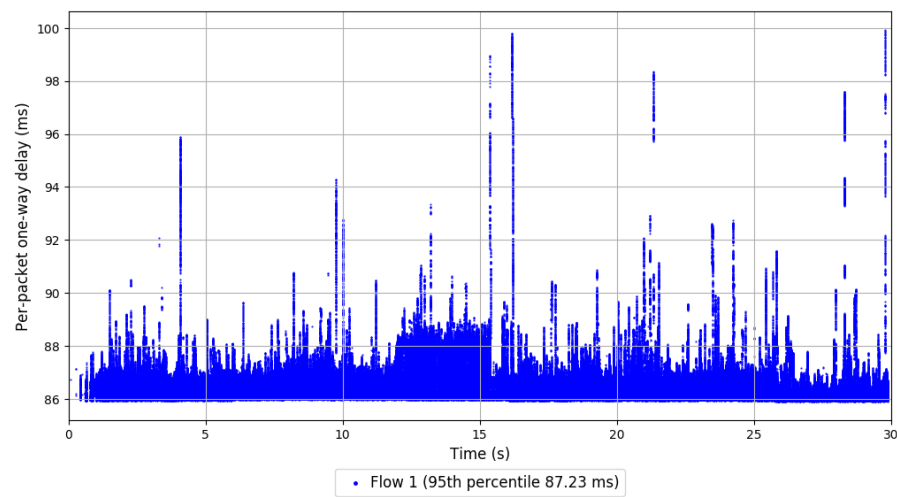
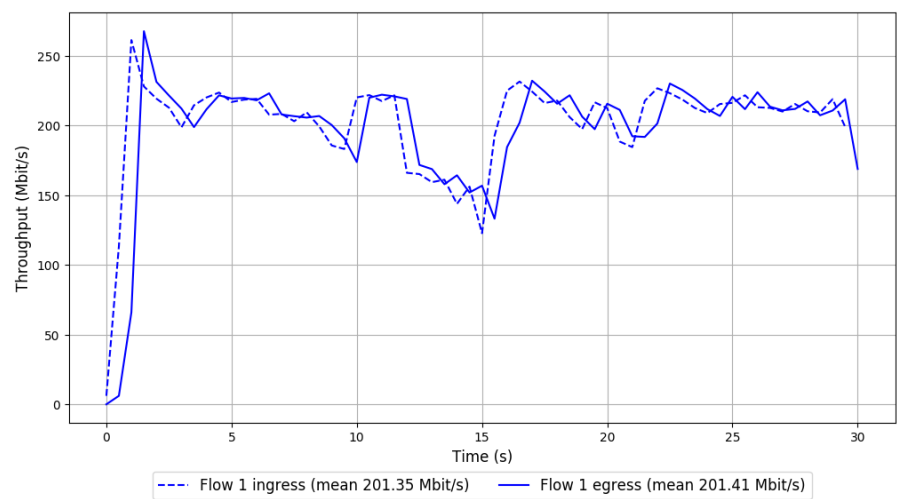


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-09 15:01:31
End at: 2018-08-09 15:02:01
Local clock offset: -0.081 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-08-09 19:32:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.41 Mbit/s
95th percentile per-packet one-way delay: 87.228 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 201.41 Mbit/s
95th percentile per-packet one-way delay: 87.228 ms
Loss rate: 0.55%

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

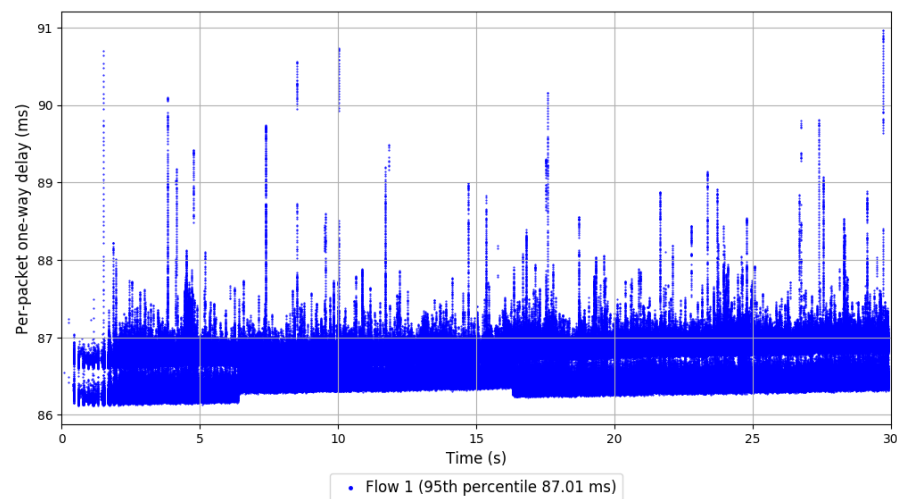
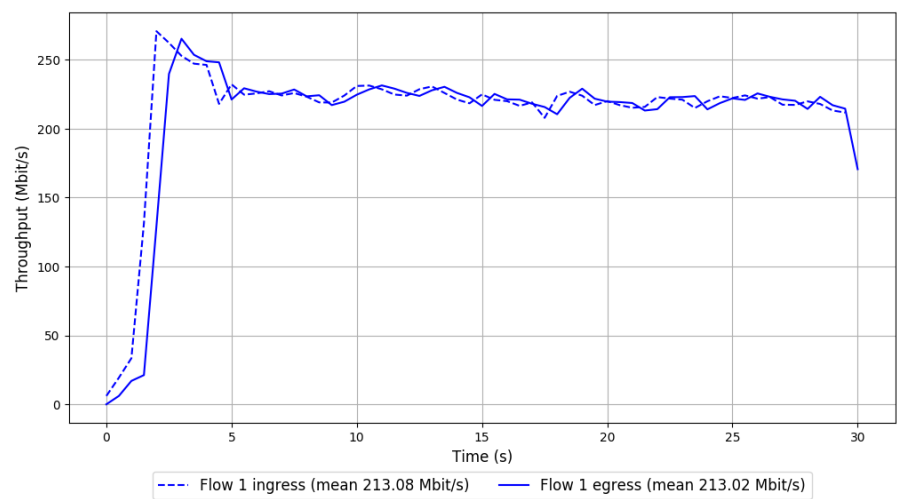


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-09 15:24:11
End at: 2018-08-09 15:24:41
Local clock offset: 0.008 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-08-09 19:34:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.02 Mbit/s
95th percentile per-packet one-way delay: 87.008 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 213.02 Mbit/s
95th percentile per-packet one-way delay: 87.008 ms
Loss rate: 0.60%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-09 15:47:10

End at: 2018-08-09 15:47:40

Local clock offset: -0.113 ms

Remote clock offset: 6.103 ms

Below is generated by plot.py at 2018-08-09 19:34:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.33 Mbit/s

95th percentile per-packet one-way delay: 86.667 ms

Loss rate: 0.61%

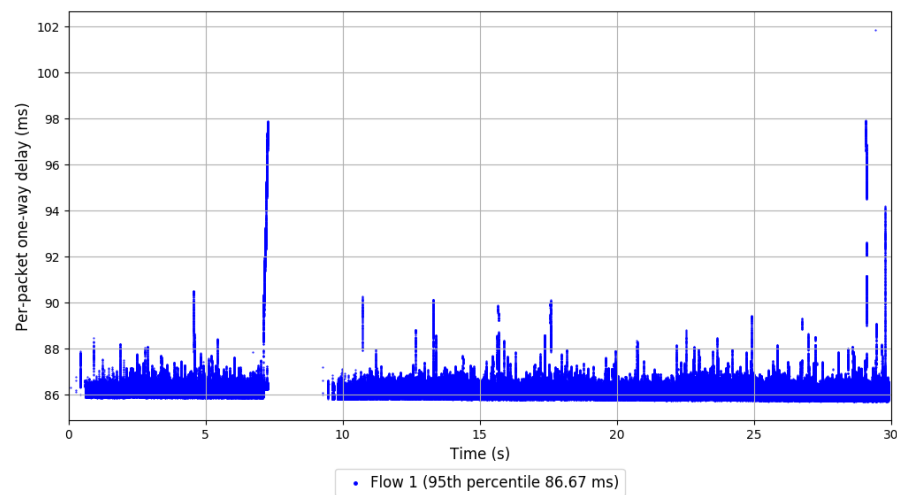
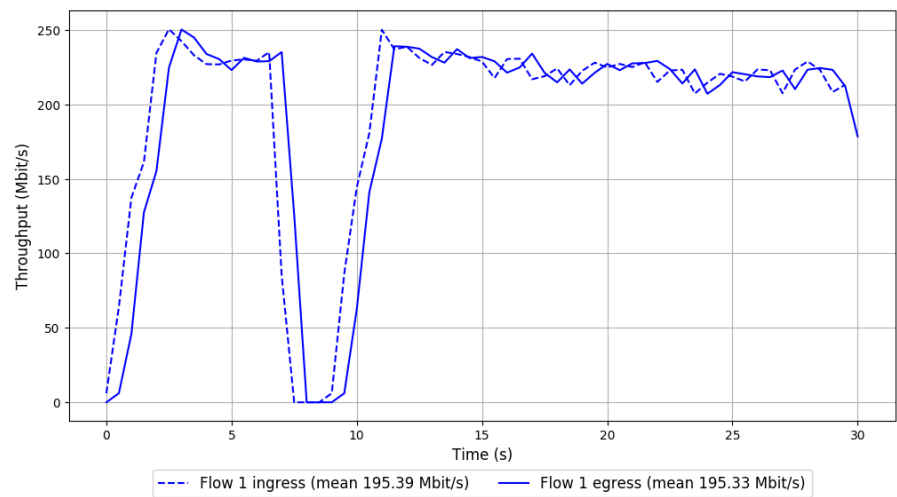
-- Flow 1:

Average throughput: 195.33 Mbit/s

95th percentile per-packet one-way delay: 86.667 ms

Loss rate: 0.61%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-09 16:09:48

End at: 2018-08-09 16:10:18

Local clock offset: -0.21 ms

Remote clock offset: 5.876 ms

Below is generated by plot.py at 2018-08-09 19:36:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.80 Mbit/s

95th percentile per-packet one-way delay: 86.725 ms

Loss rate: 0.64%

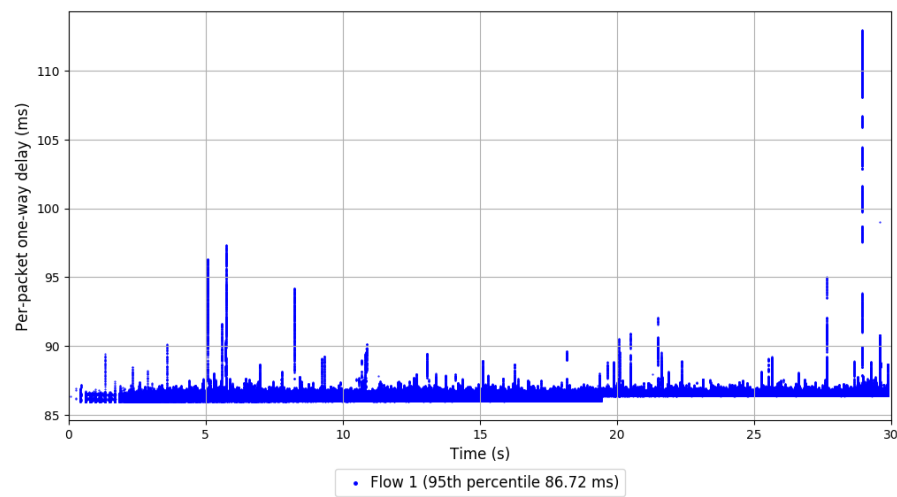
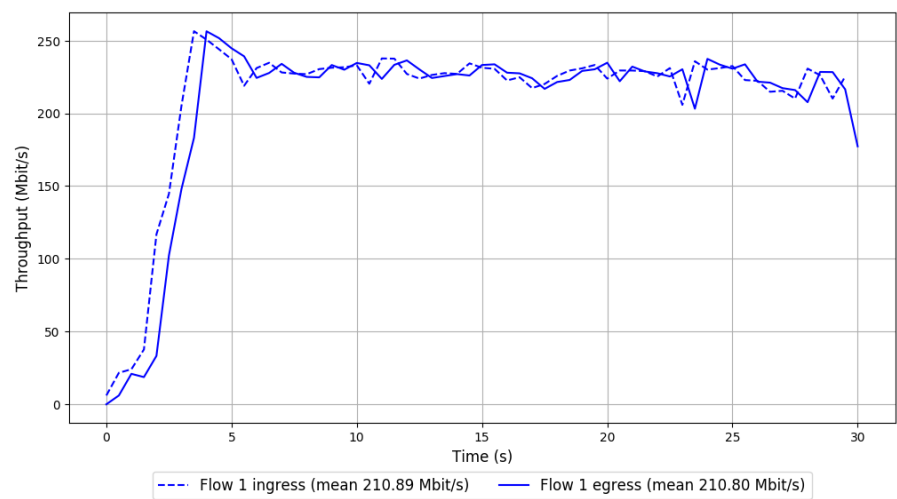
-- Flow 1:

Average throughput: 210.80 Mbit/s

95th percentile per-packet one-way delay: 86.725 ms

Loss rate: 0.64%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-09 16:32:23

End at: 2018-08-09 16:32:53

Local clock offset: -0.016 ms

Remote clock offset: 2.827 ms

Below is generated by plot.py at 2018-08-09 19:38:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.86 Mbit/s

95th percentile per-packet one-way delay: 87.044 ms

Loss rate: 0.64%

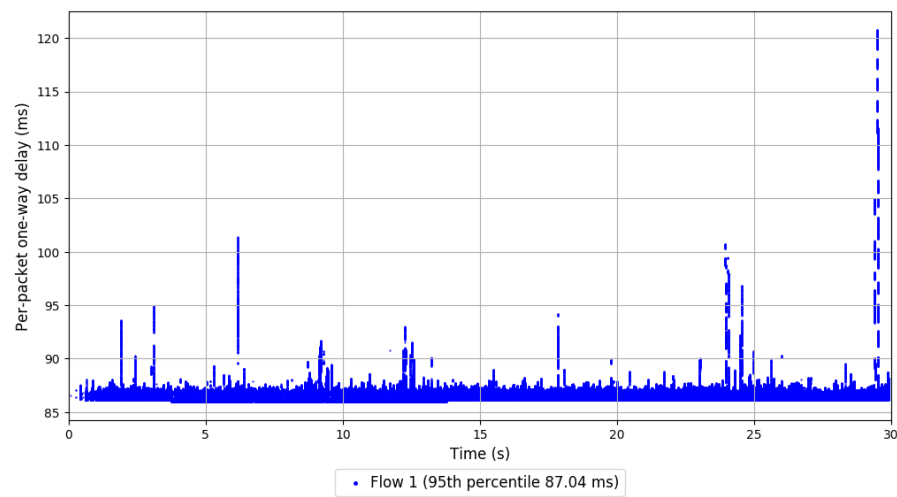
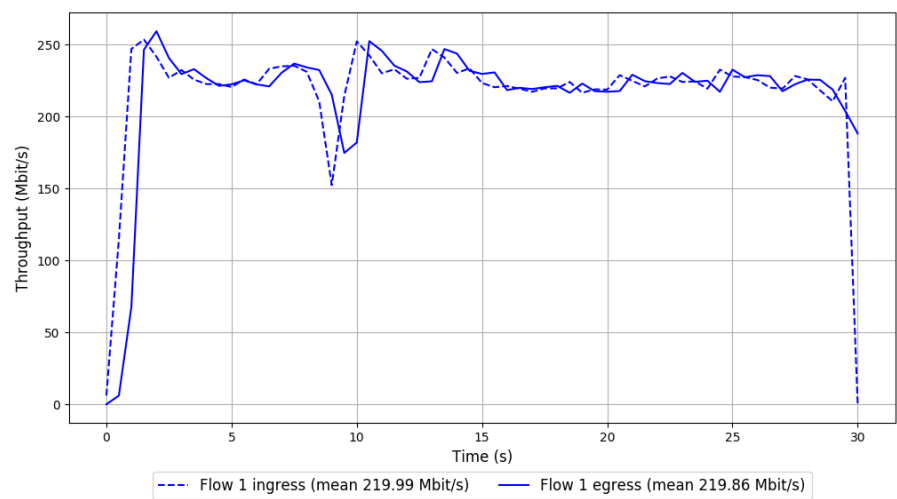
-- Flow 1:

Average throughput: 219.86 Mbit/s

95th percentile per-packet one-way delay: 87.044 ms

Loss rate: 0.64%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-09 16:55:23

End at: 2018-08-09 16:55:53

Local clock offset: -0.143 ms

Remote clock offset: 2.796 ms

Below is generated by plot.py at 2018-08-09 19:38:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.80 Mbit/s

95th percentile per-packet one-way delay: 86.492 ms

Loss rate: 0.64%

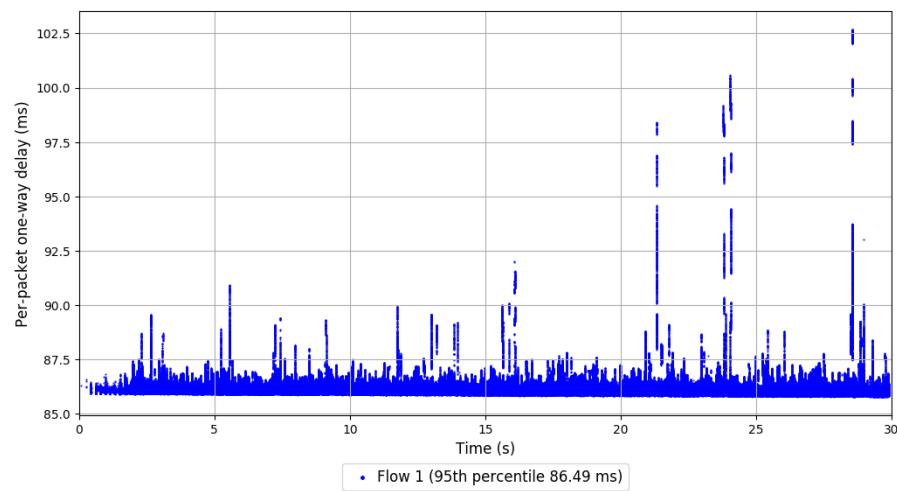
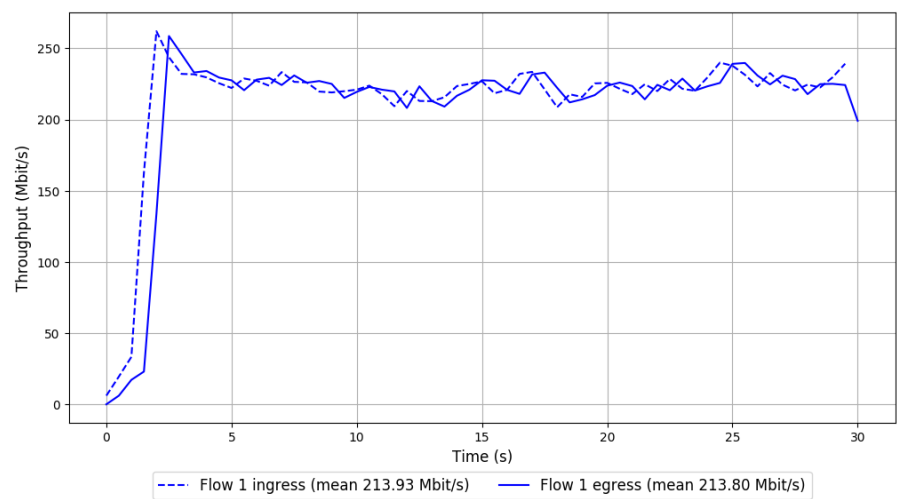
-- Flow 1:

Average throughput: 213.80 Mbit/s

95th percentile per-packet one-way delay: 86.492 ms

Loss rate: 0.64%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-09 17:18:32

End at: 2018-08-09 17:19:02

Local clock offset: -0.128 ms

Remote clock offset: 1.512 ms

Below is generated by plot.py at 2018-08-09 19:39:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.60 Mbit/s

95th percentile per-packet one-way delay: 86.312 ms

Loss rate: 0.58%

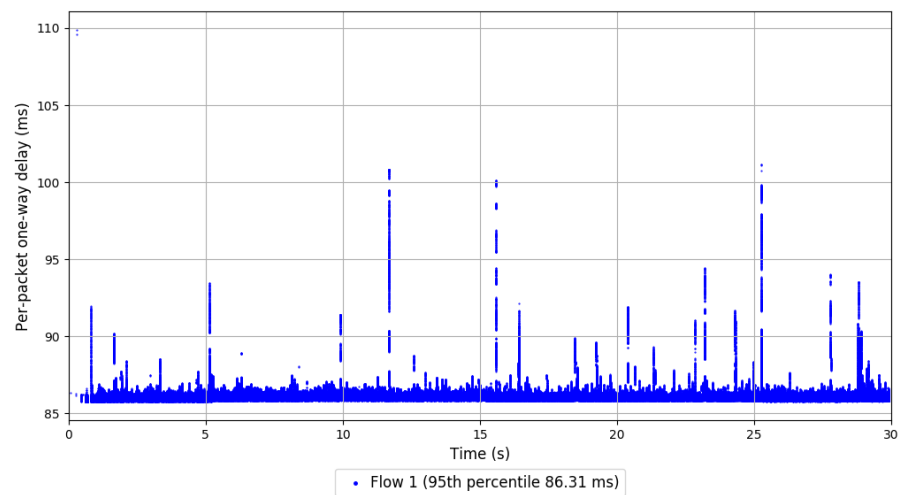
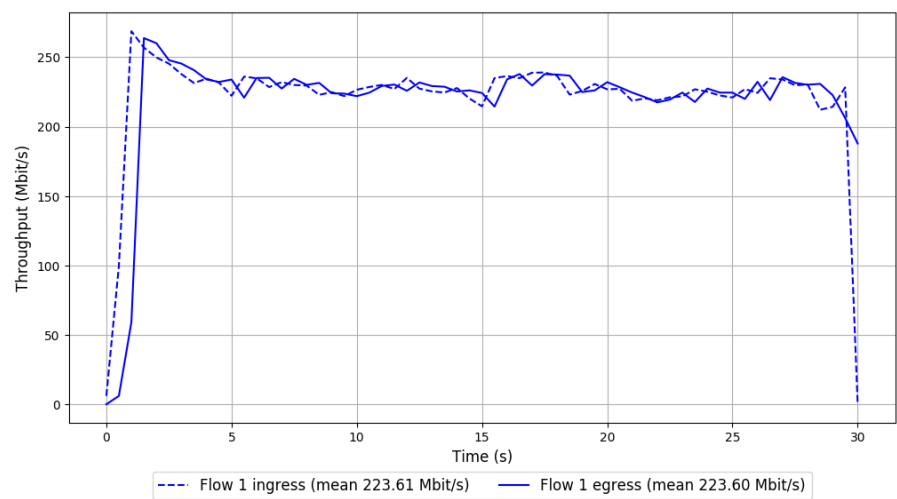
-- Flow 1:

Average throughput: 223.60 Mbit/s

95th percentile per-packet one-way delay: 86.312 ms

Loss rate: 0.58%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-09 17:41:29

End at: 2018-08-09 17:41:59

Local clock offset: -0.067 ms

Remote clock offset: 0.663 ms

Below is generated by plot.py at 2018-08-09 19:39:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.62 Mbit/s

95th percentile per-packet one-way delay: 86.494 ms

Loss rate: 0.62%

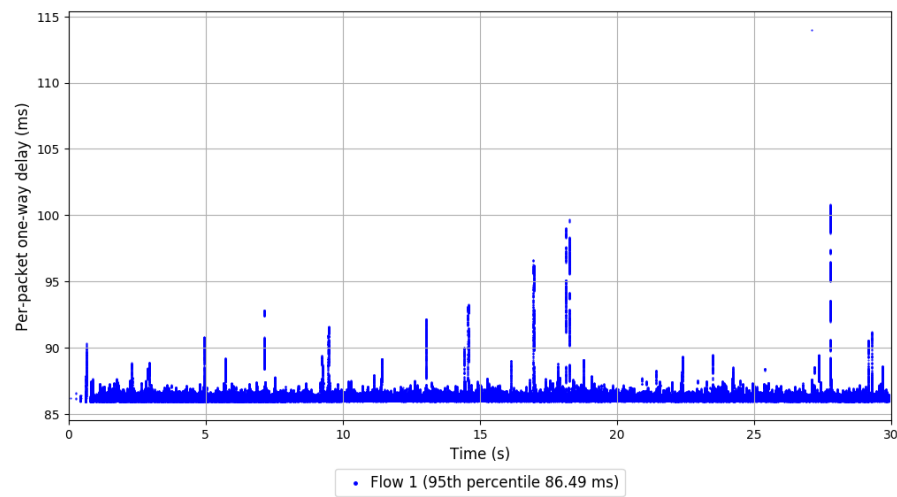
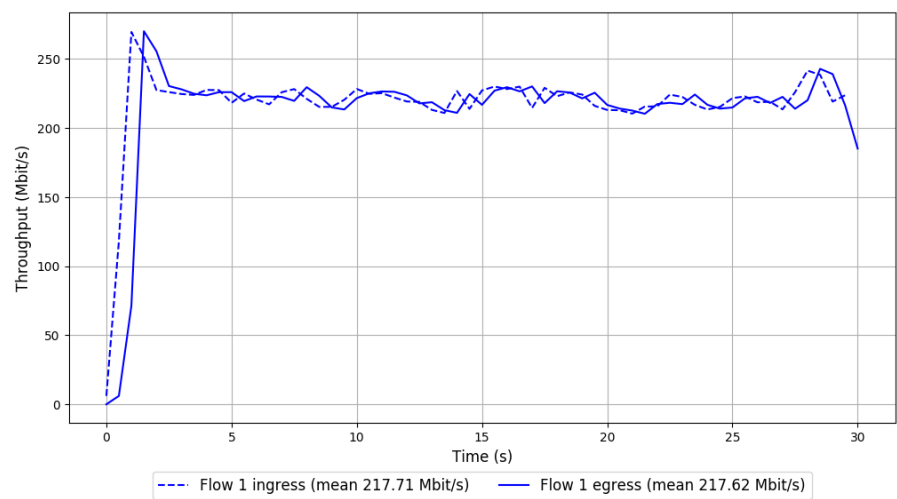
-- Flow 1:

Average throughput: 217.62 Mbit/s

95th percentile per-packet one-way delay: 86.494 ms

Loss rate: 0.62%

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

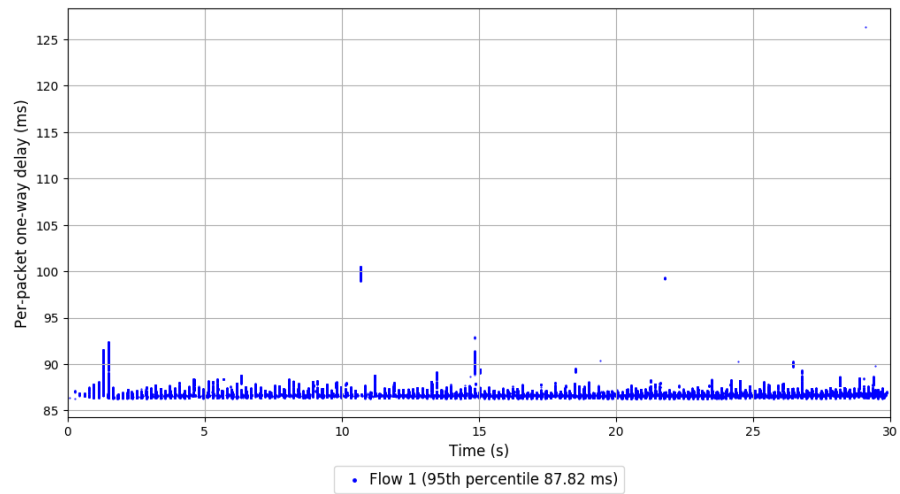
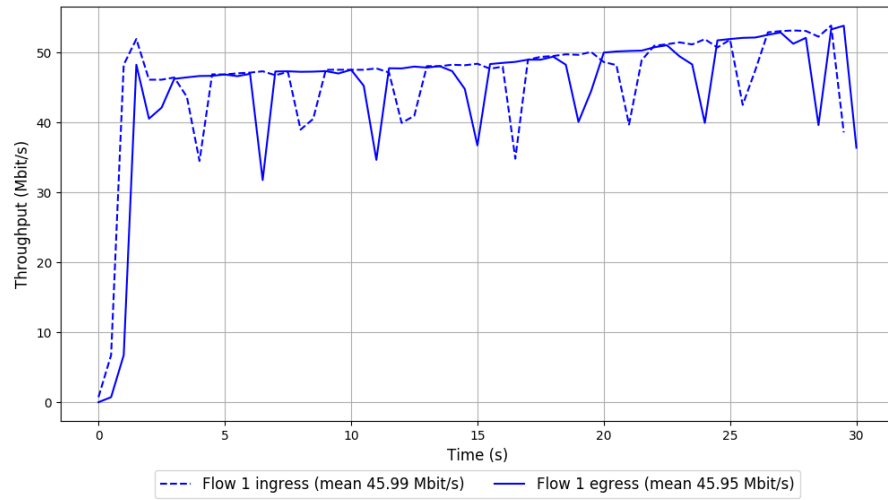


Run 1: Statistics of TCP Vegas

Start at: 2018-08-09 14:03:37
End at: 2018-08-09 14:04:07
Local clock offset: -0.07 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-08-09 19:39:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.95 Mbit/s
95th percentile per-packet one-way delay: 87.823 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 45.95 Mbit/s
95th percentile per-packet one-way delay: 87.823 ms
Loss rate: 0.65%

Run 1: Report of TCP Vegas — Data Link

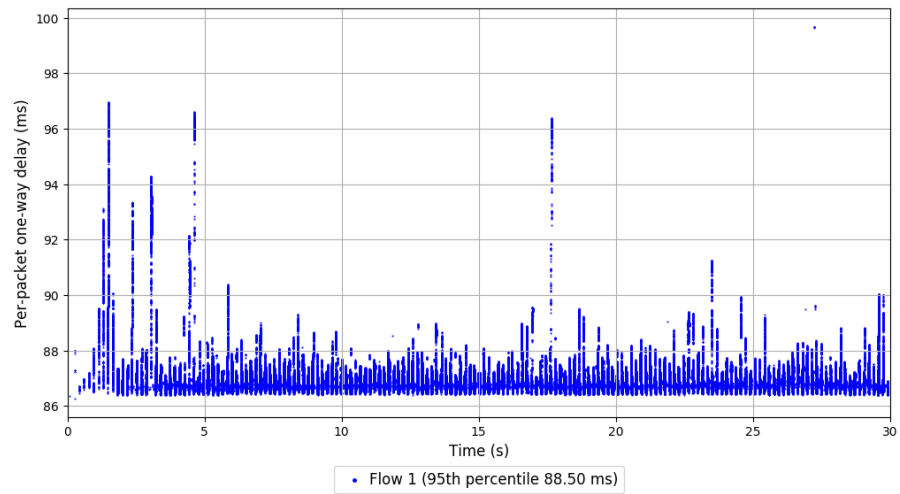
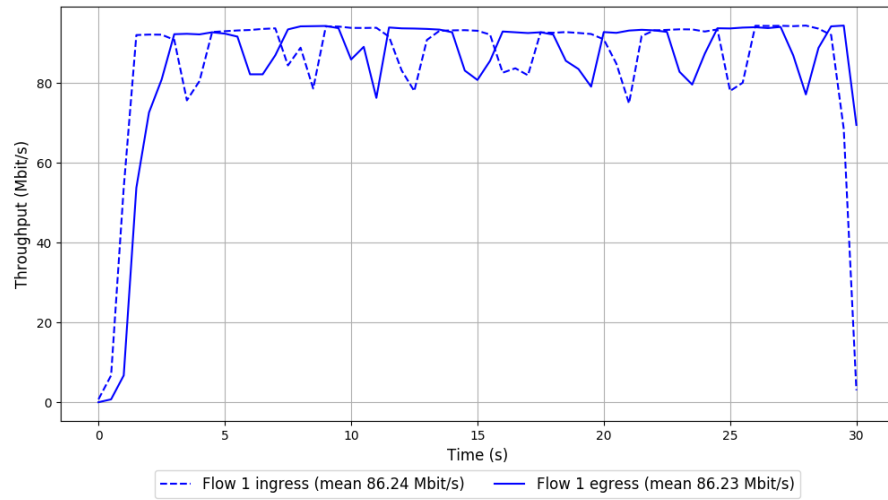


Run 2: Statistics of TCP Vegas

Start at: 2018-08-09 14:26:10
End at: 2018-08-09 14:26:40
Local clock offset: -0.048 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-09 19:39:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.23 Mbit/s
95th percentile per-packet one-way delay: 88.498 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 86.23 Mbit/s
95th percentile per-packet one-way delay: 88.498 ms
Loss rate: 0.58%

Run 2: Report of TCP Vegas — Data Link

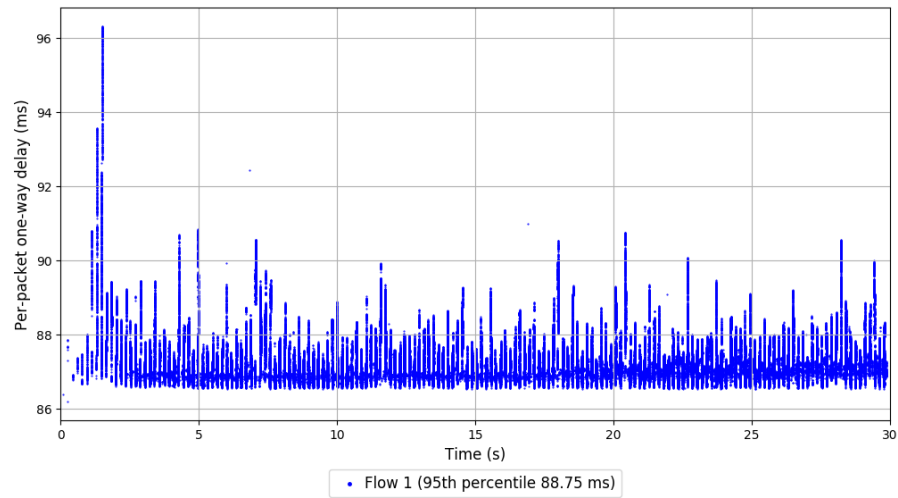
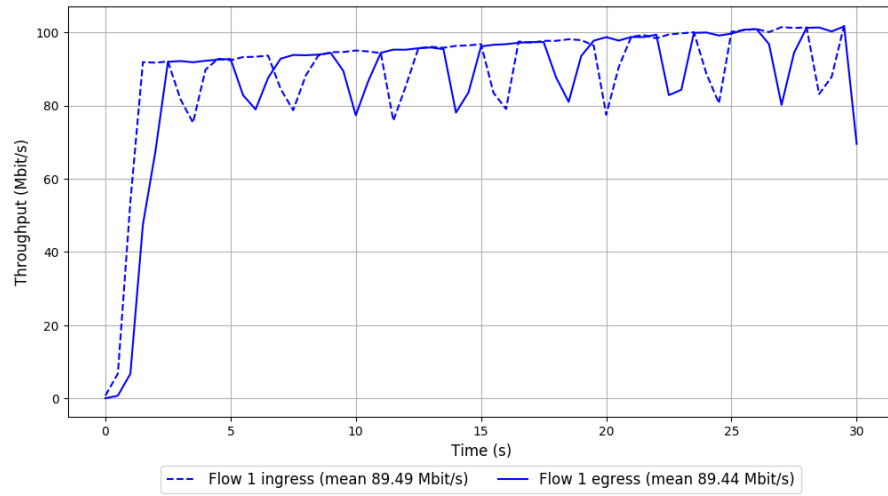


Run 3: Statistics of TCP Vegas

Start at: 2018-08-09 14:49:12
End at: 2018-08-09 14:49:42
Local clock offset: 0.037 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-08-09 19:39:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.44 Mbit/s
95th percentile per-packet one-way delay: 88.748 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 89.44 Mbit/s
95th percentile per-packet one-way delay: 88.748 ms
Loss rate: 0.63%

Run 3: Report of TCP Vegas — Data Link

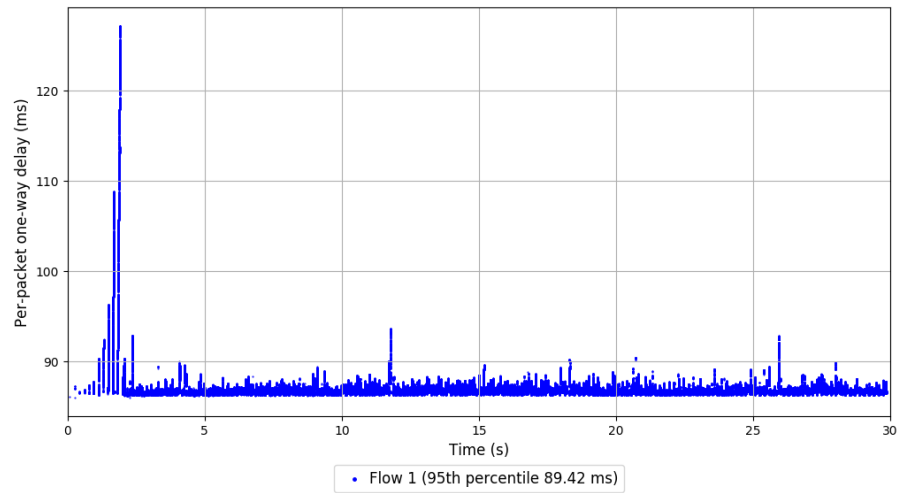
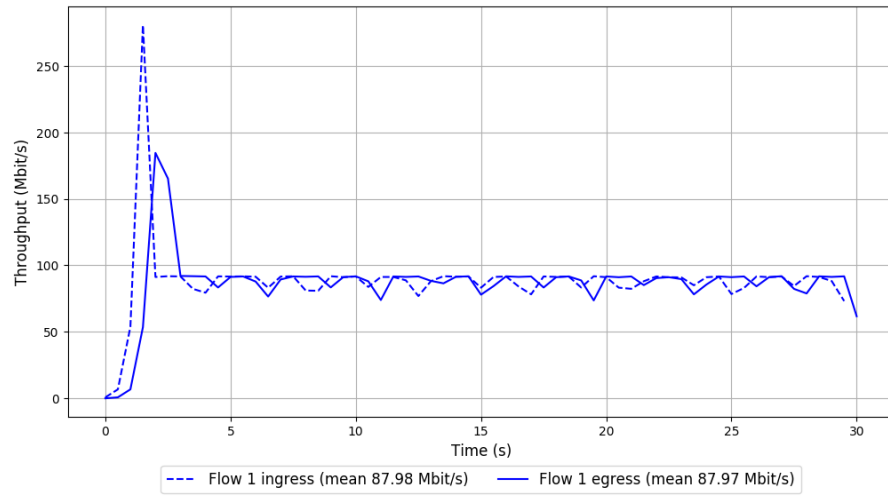


Run 4: Statistics of TCP Vegas

Start at: 2018-08-09 15:11:57
End at: 2018-08-09 15:12:27
Local clock offset: -0.215 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-08-09 19:39:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.97 Mbit/s
95th percentile per-packet one-way delay: 89.419 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 87.97 Mbit/s
95th percentile per-packet one-way delay: 89.419 ms
Loss rate: 0.58%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-09 15:34:43

End at: 2018-08-09 15:35:13

Local clock offset: -0.093 ms

Remote clock offset: 4.001 ms

Below is generated by plot.py at 2018-08-09 19:39:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.90 Mbit/s

95th percentile per-packet one-way delay: 90.066 ms

Loss rate: 0.13%

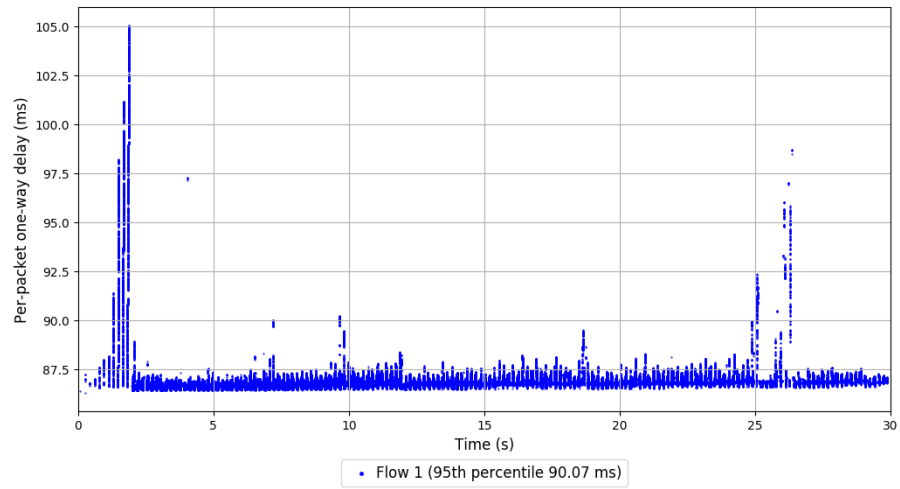
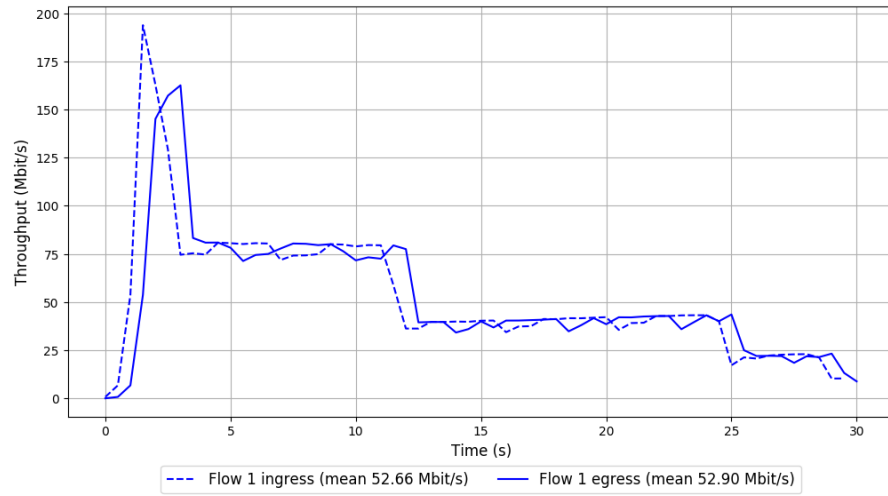
-- Flow 1:

Average throughput: 52.90 Mbit/s

95th percentile per-packet one-way delay: 90.066 ms

Loss rate: 0.13%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-09 15:57:41

End at: 2018-08-09 15:58:11

Local clock offset: -0.033 ms

Remote clock offset: 4.475 ms

Below is generated by plot.py at 2018-08-09 19:39:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.52 Mbit/s

95th percentile per-packet one-way delay: 89.854 ms

Loss rate: 0.56%

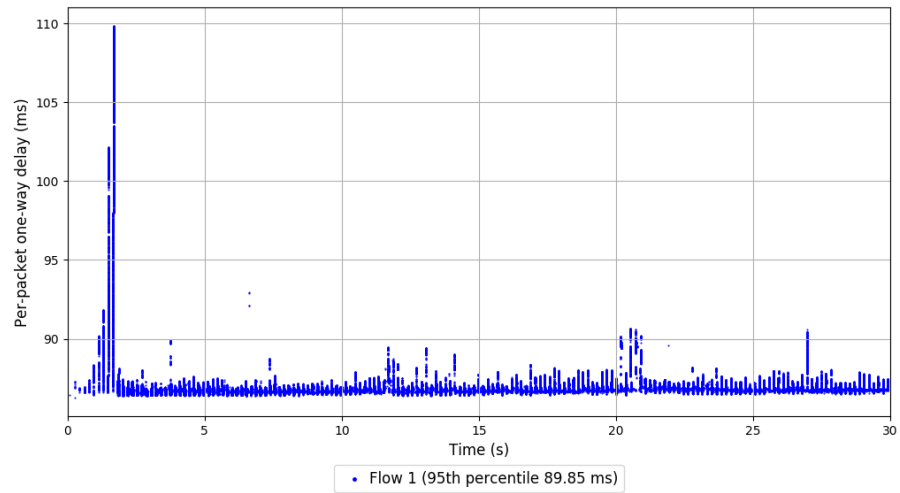
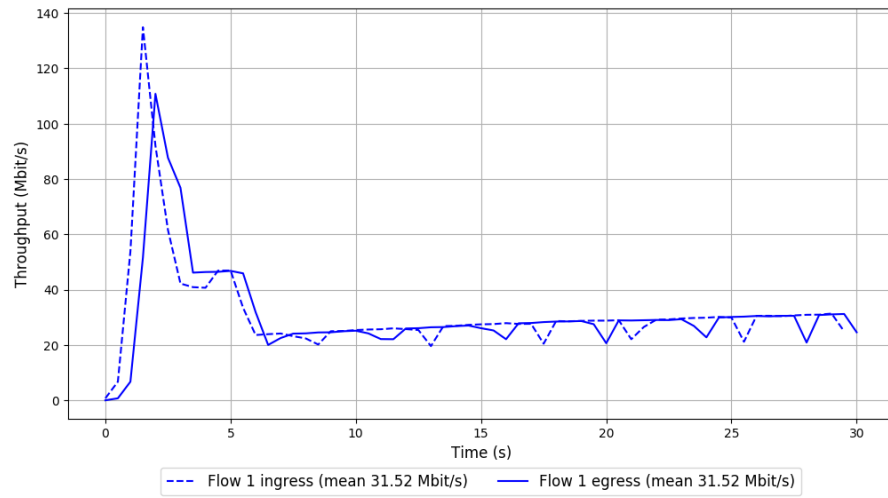
-- Flow 1:

Average throughput: 31.52 Mbit/s

95th percentile per-packet one-way delay: 89.854 ms

Loss rate: 0.56%

Run 6: Report of TCP Vegas — Data Link

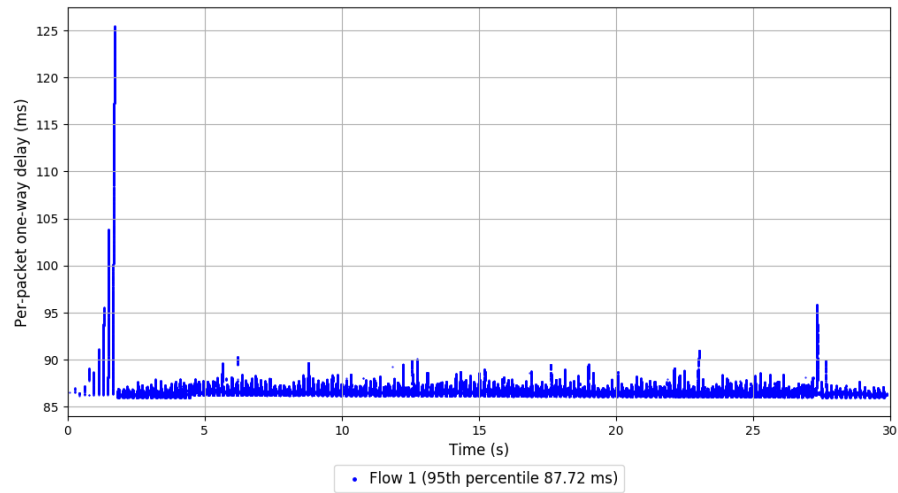
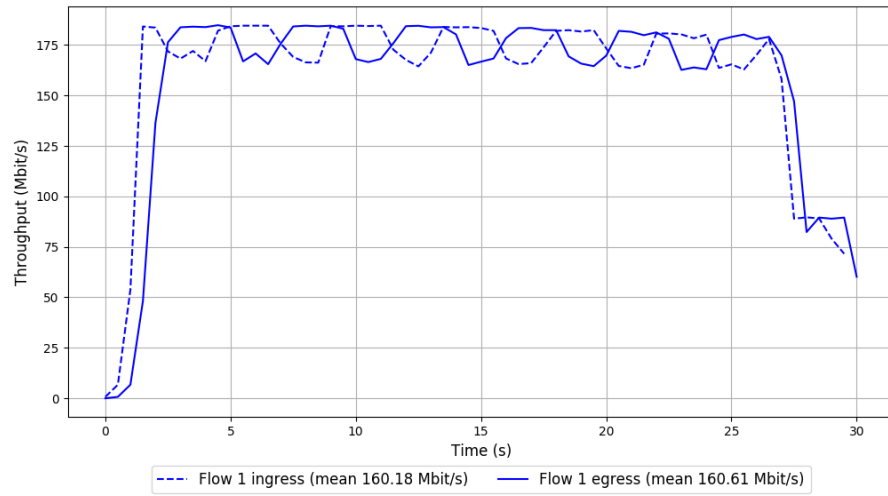


Run 7: Statistics of TCP Vegas

Start at: 2018-08-09 16:19:53
End at: 2018-08-09 16:20:23
Local clock offset: -0.202 ms
Remote clock offset: 6.452 ms

Below is generated by plot.py at 2018-08-09 19:39:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 160.61 Mbit/s
95th percentile per-packet one-way delay: 87.720 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 160.61 Mbit/s
95th percentile per-packet one-way delay: 87.720 ms
Loss rate: 0.31%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-09 16:42:57

End at: 2018-08-09 16:43:28

Local clock offset: -0.198 ms

Remote clock offset: 2.921 ms

Below is generated by plot.py at 2018-08-09 19:39:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 158.50 Mbit/s

95th percentile per-packet one-way delay: 91.075 ms

Loss rate: 0.59%

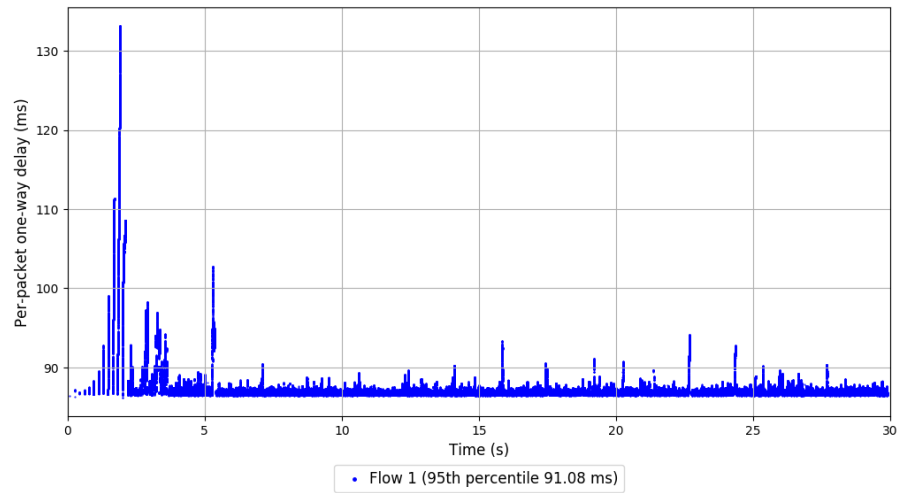
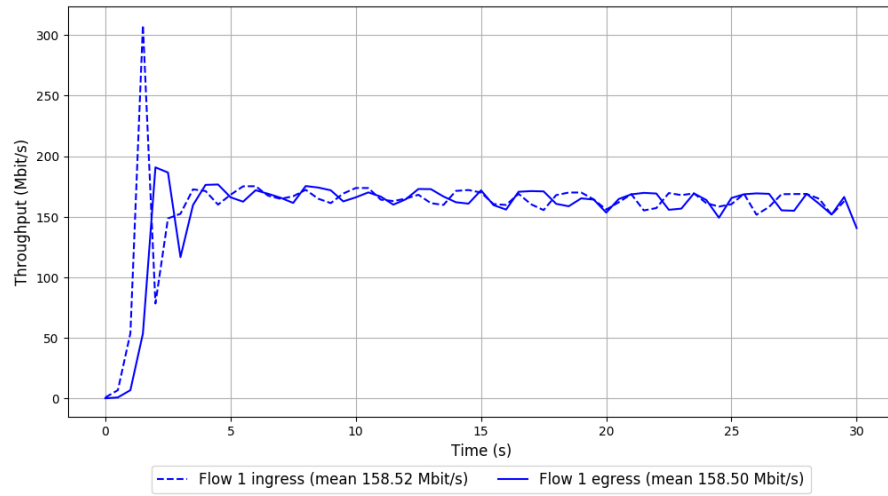
-- Flow 1:

Average throughput: 158.50 Mbit/s

95th percentile per-packet one-way delay: 91.075 ms

Loss rate: 0.59%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-09 17:05:58

End at: 2018-08-09 17:06:28

Local clock offset: -0.116 ms

Remote clock offset: 1.484 ms

Below is generated by plot.py at 2018-08-09 19:42:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 336.05 Mbit/s

95th percentile per-packet one-way delay: 87.522 ms

Loss rate: 0.60%

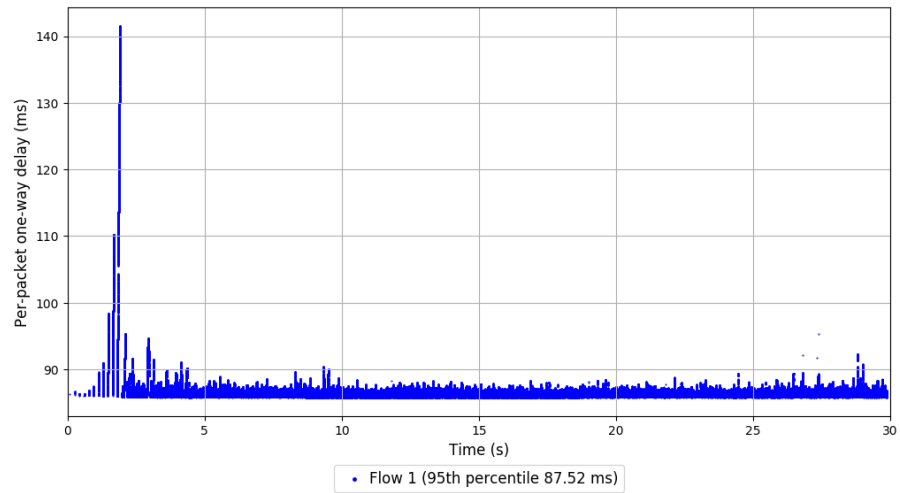
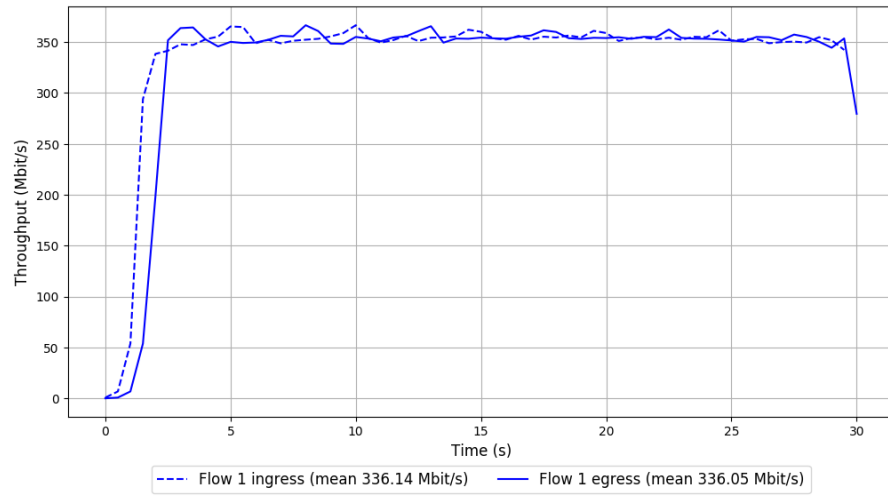
-- Flow 1:

Average throughput: 336.05 Mbit/s

95th percentile per-packet one-way delay: 87.522 ms

Loss rate: 0.60%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-09 17:29:05

End at: 2018-08-09 17:29:35

Local clock offset: -0.155 ms

Remote clock offset: 1.419 ms

Below is generated by plot.py at 2018-08-09 19:42:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.43 Mbit/s

95th percentile per-packet one-way delay: 88.135 ms

Loss rate: 0.36%

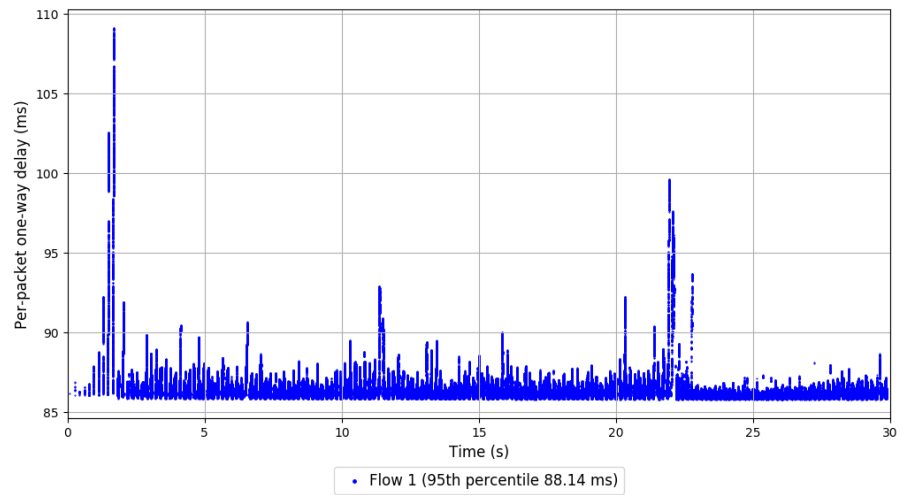
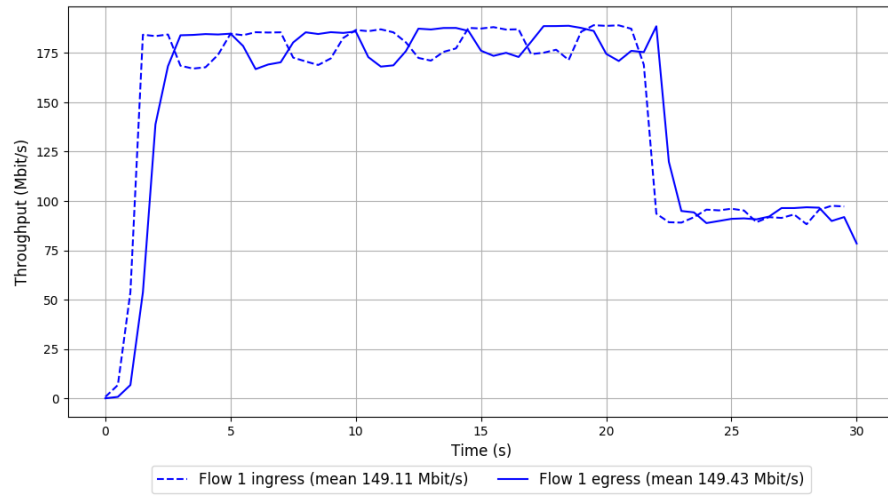
-- Flow 1:

Average throughput: 149.43 Mbit/s

95th percentile per-packet one-way delay: 88.135 ms

Loss rate: 0.36%

Run 10: Report of TCP Vegas — Data Link

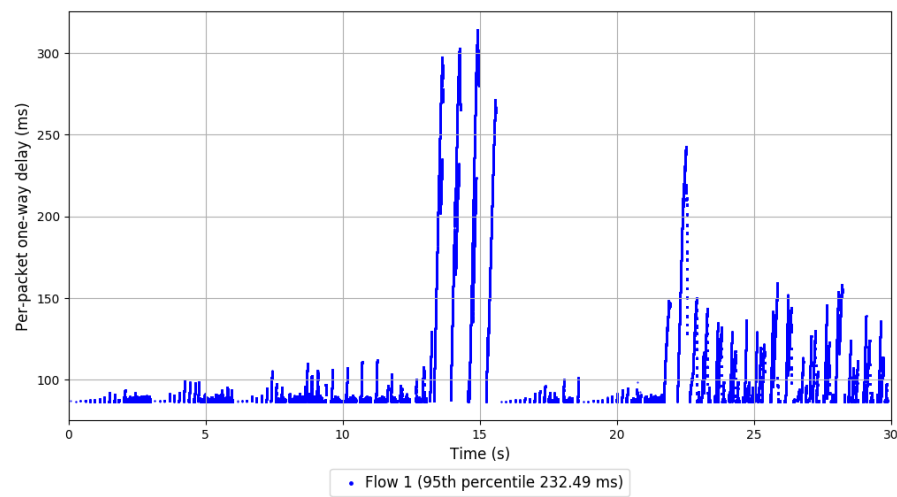
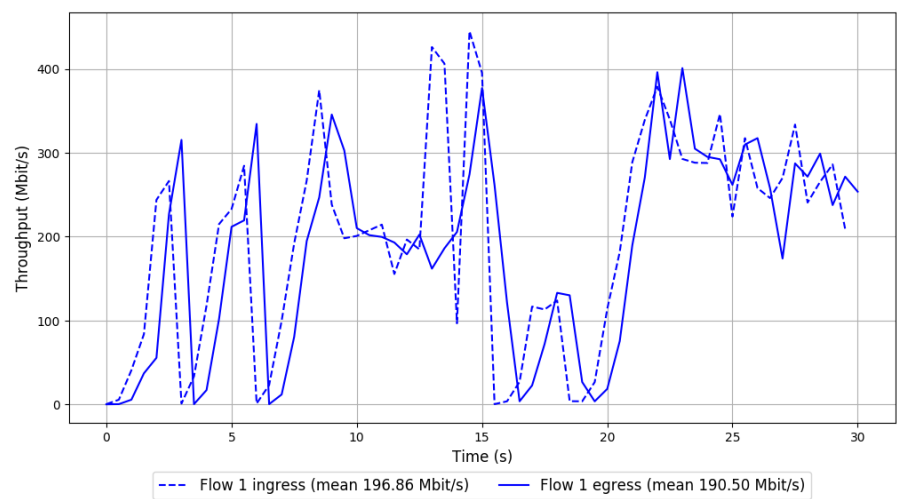


Run 1: Statistics of Verus

Start at: 2018-08-09 14:05:53
End at: 2018-08-09 14:06:23
Local clock offset: -0.068 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-08-09 19:42:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.50 Mbit/s
95th percentile per-packet one-way delay: 232.494 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 190.50 Mbit/s
95th percentile per-packet one-way delay: 232.494 ms
Loss rate: 3.60%

Run 1: Report of Verus — Data Link

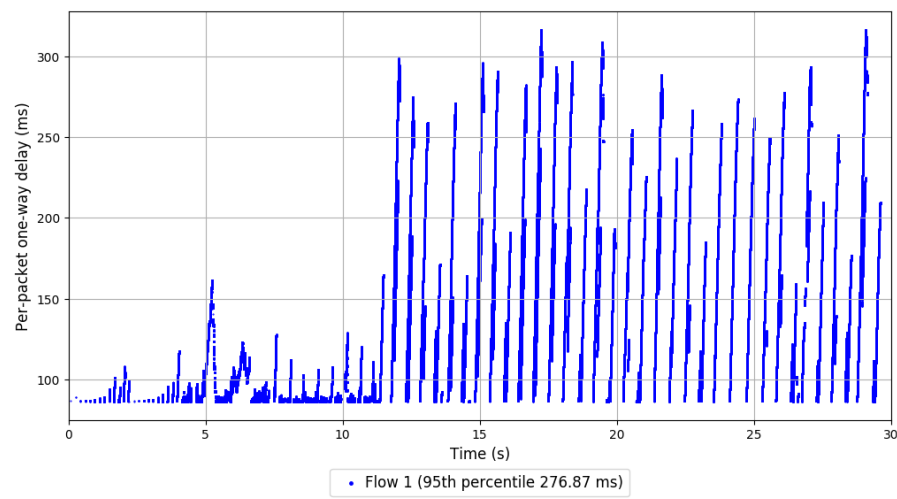
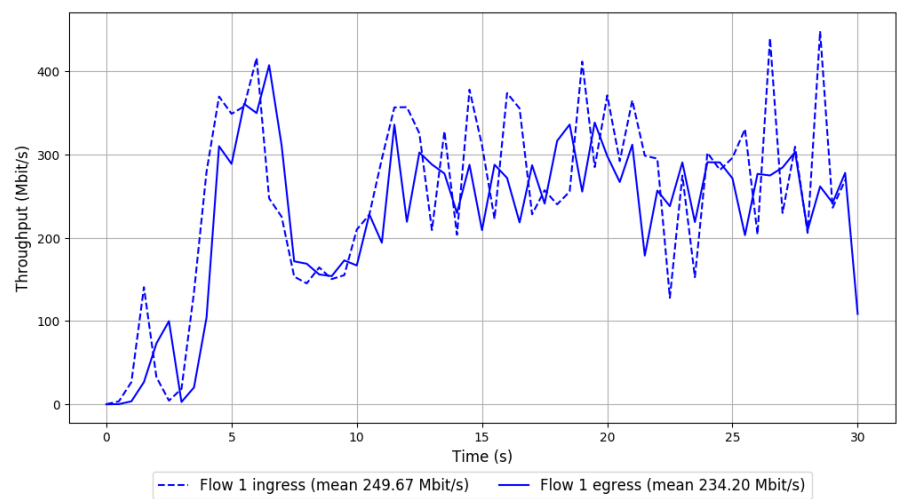


Run 2: Statistics of Verus

Start at: 2018-08-09 14:28:34
End at: 2018-08-09 14:29:04
Local clock offset: -0.064 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-08-09 19:42:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.20 Mbit/s
95th percentile per-packet one-way delay: 276.866 ms
Loss rate: 7.42%
-- Flow 1:
Average throughput: 234.20 Mbit/s
95th percentile per-packet one-way delay: 276.866 ms
Loss rate: 7.42%

Run 2: Report of Verus — Data Link

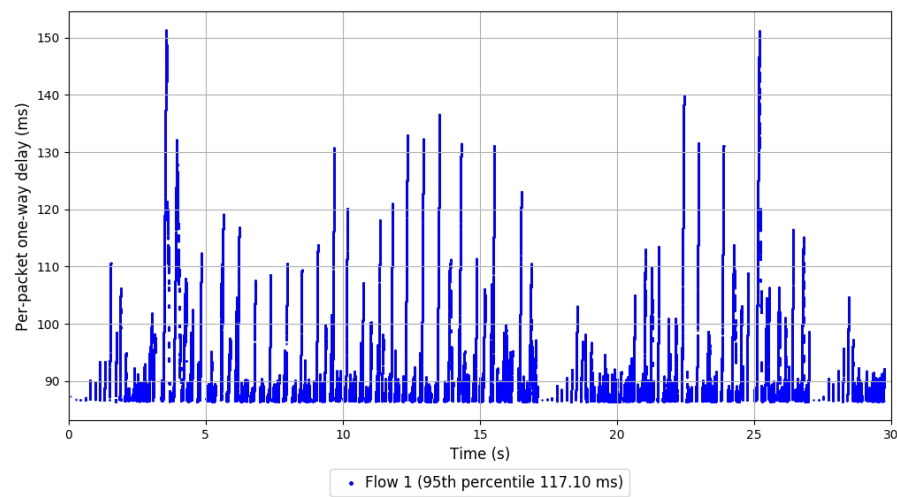
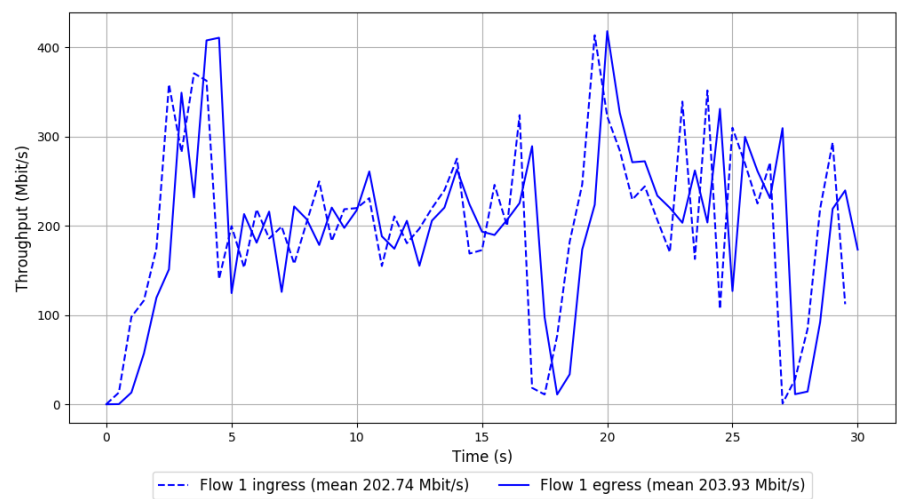


Run 3: Statistics of Verus

Start at: 2018-08-09 14:51:44
End at: 2018-08-09 14:52:14
Local clock offset: -0.14 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-08-09 19:42:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.93 Mbit/s
95th percentile per-packet one-way delay: 117.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.93 Mbit/s
95th percentile per-packet one-way delay: 117.101 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

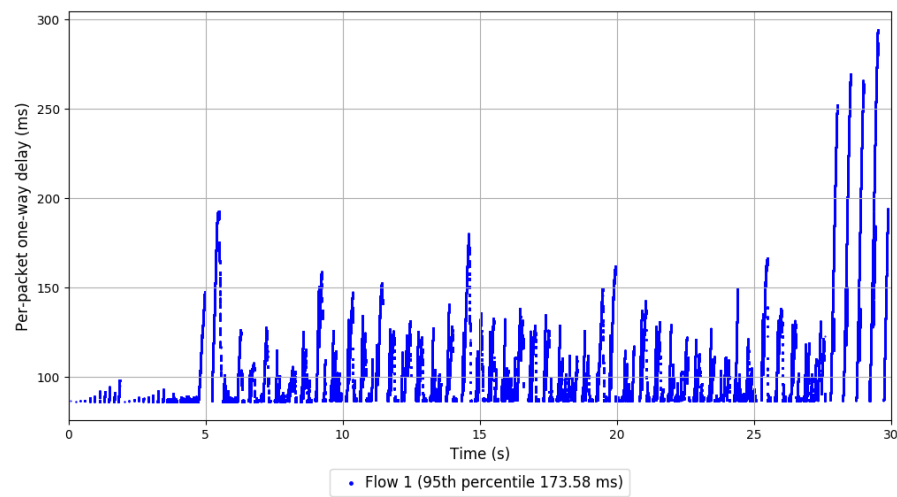
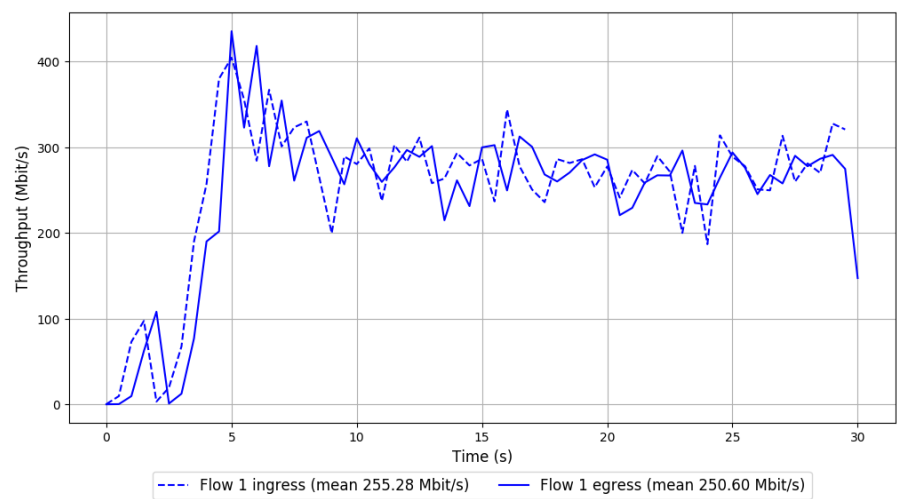


Run 4: Statistics of Verus

Start at: 2018-08-09 15:14:28
End at: 2018-08-09 15:14:58
Local clock offset: 0.032 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-08-09 19:43:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.60 Mbit/s
95th percentile per-packet one-way delay: 173.584 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 250.60 Mbit/s
95th percentile per-packet one-way delay: 173.584 ms
Loss rate: 1.71%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-08-09 15:37:13

End at: 2018-08-09 15:37:43

Local clock offset: -0.045 ms

Remote clock offset: 4.963 ms

Below is generated by plot.py at 2018-08-09 19:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 139.22 Mbit/s

95th percentile per-packet one-way delay: 129.020 ms

Loss rate: 0.65%

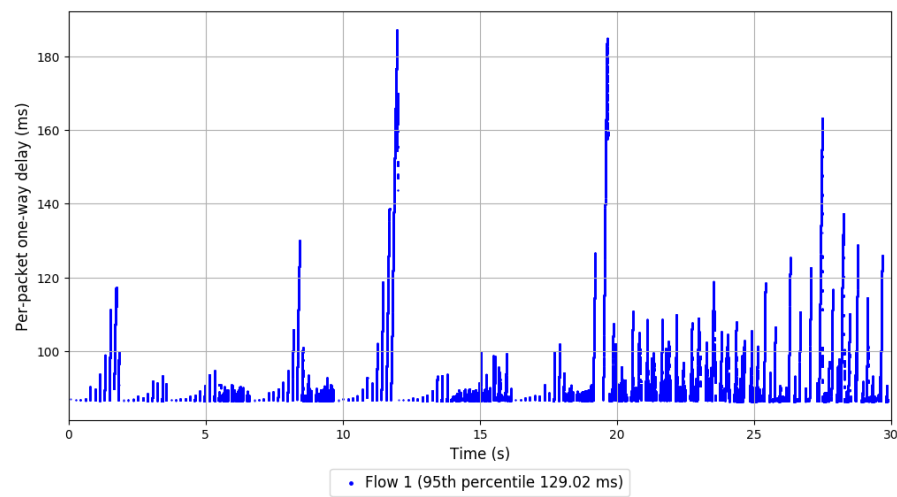
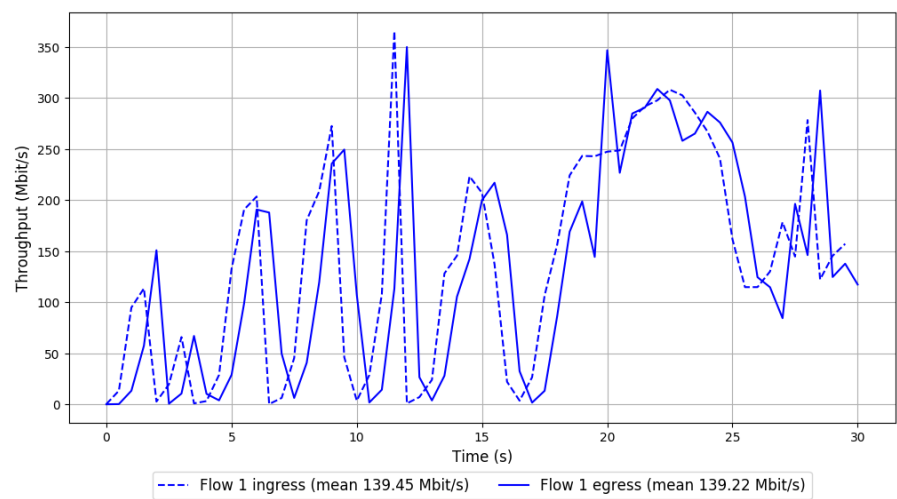
-- Flow 1:

Average throughput: 139.22 Mbit/s

95th percentile per-packet one-way delay: 129.020 ms

Loss rate: 0.65%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-08-09 16:00:10

End at: 2018-08-09 16:00:40

Local clock offset: 0.093 ms

Remote clock offset: 4.596 ms

Below is generated by plot.py at 2018-08-09 19:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.87 Mbit/s

95th percentile per-packet one-way delay: 151.894 ms

Loss rate: 1.64%

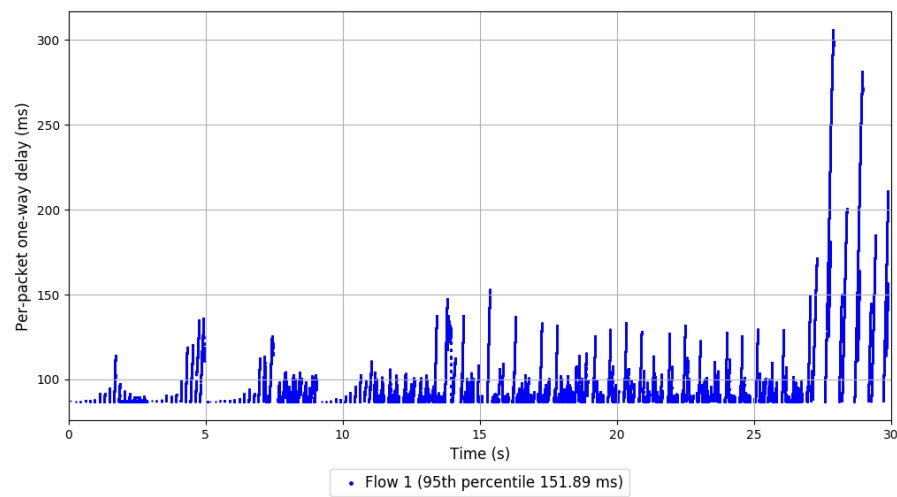
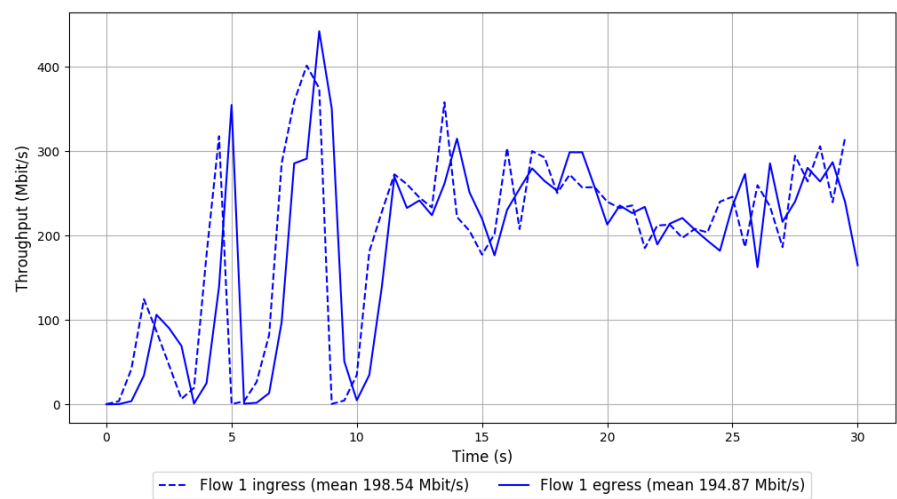
-- Flow 1:

Average throughput: 194.87 Mbit/s

95th percentile per-packet one-way delay: 151.894 ms

Loss rate: 1.64%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-09 16:22:25

End at: 2018-08-09 16:22:55

Local clock offset: -0.119 ms

Remote clock offset: 5.04 ms

Below is generated by plot.py at 2018-08-09 19:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.59 Mbit/s

95th percentile per-packet one-way delay: 113.274 ms

Loss rate: 1.16%

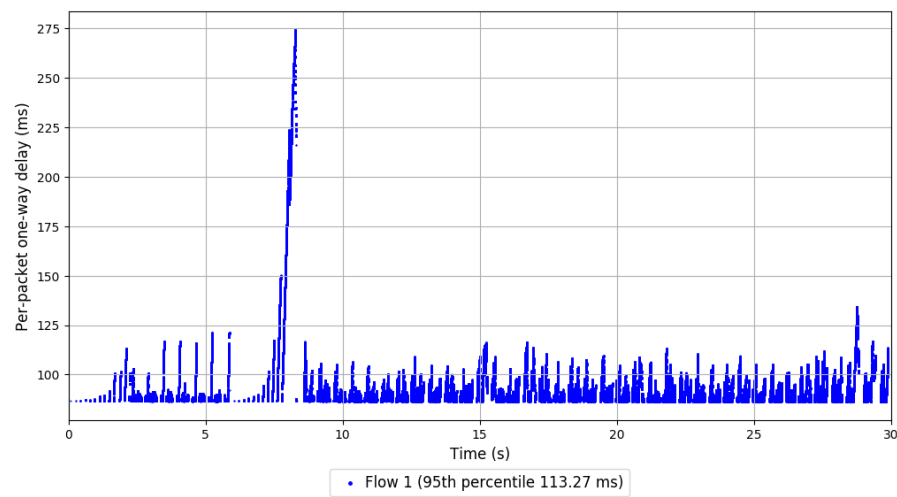
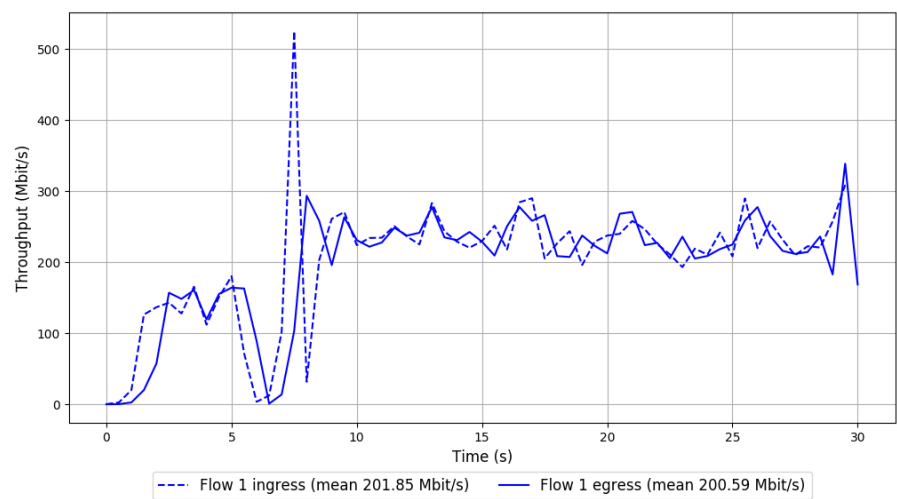
-- Flow 1:

Average throughput: 200.59 Mbit/s

95th percentile per-packet one-way delay: 113.274 ms

Loss rate: 1.16%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-09 16:45:33

End at: 2018-08-09 16:46:03

Local clock offset: -0.08 ms

Remote clock offset: 3.096 ms

Below is generated by plot.py at 2018-08-09 19:44:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.26 Mbit/s

95th percentile per-packet one-way delay: 123.555 ms

Loss rate: 0.01%

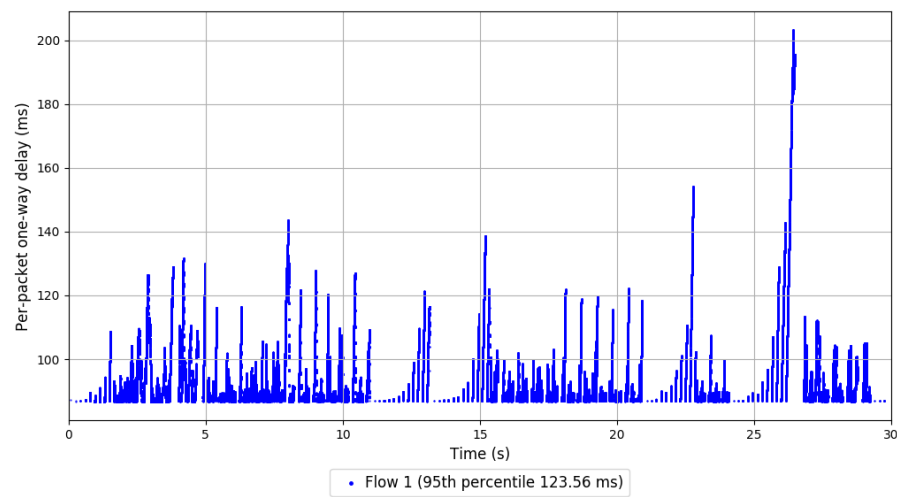
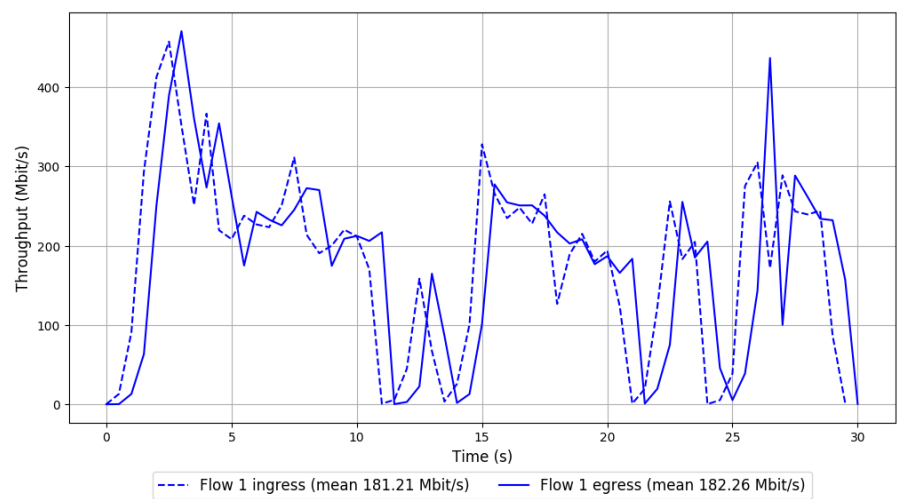
-- Flow 1:

Average throughput: 182.26 Mbit/s

95th percentile per-packet one-way delay: 123.555 ms

Loss rate: 0.01%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-09 17:08:42

End at: 2018-08-09 17:09:12

Local clock offset: -0.044 ms

Remote clock offset: 1.432 ms

Below is generated by plot.py at 2018-08-09 19:45:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.77 Mbit/s

95th percentile per-packet one-way delay: 151.979 ms

Loss rate: 0.75%

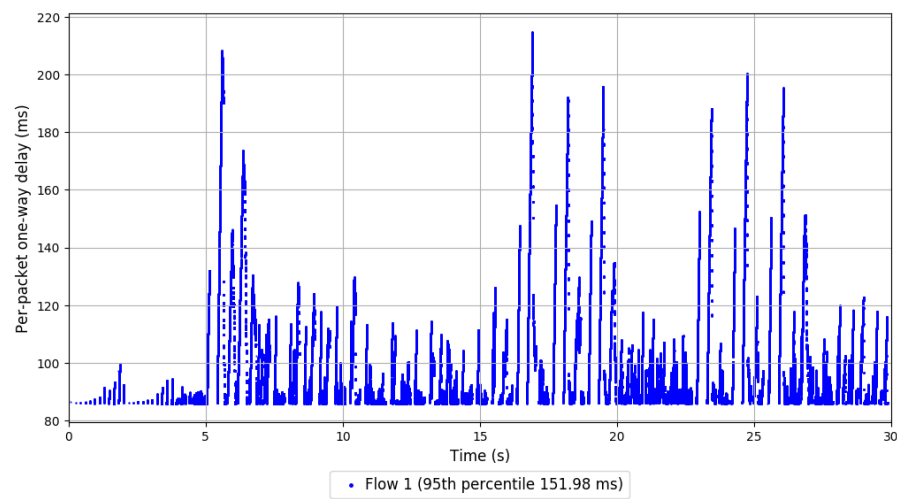
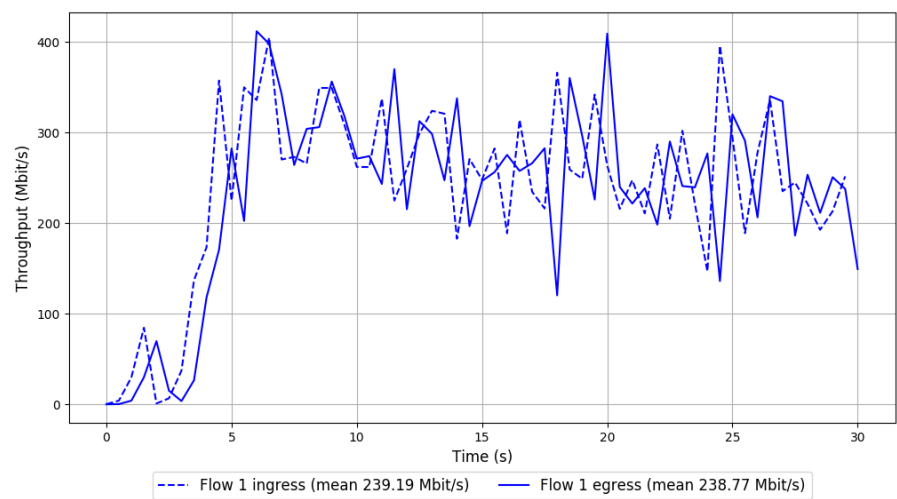
-- Flow 1:

Average throughput: 238.77 Mbit/s

95th percentile per-packet one-way delay: 151.979 ms

Loss rate: 0.75%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-09 17:31:40

End at: 2018-08-09 17:32:11

Local clock offset: -0.083 ms

Remote clock offset: 1.156 ms

Below is generated by plot.py at 2018-08-09 19:45:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.55 Mbit/s

95th percentile per-packet one-way delay: 127.846 ms

Loss rate: 0.97%

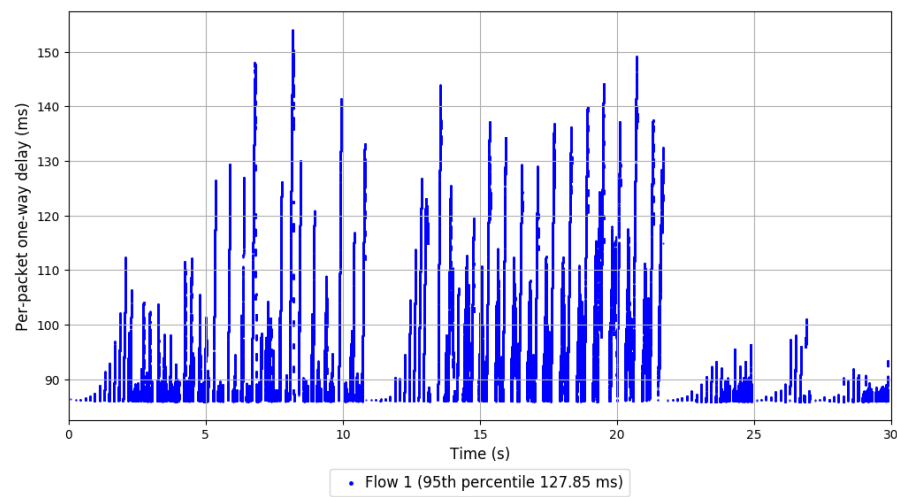
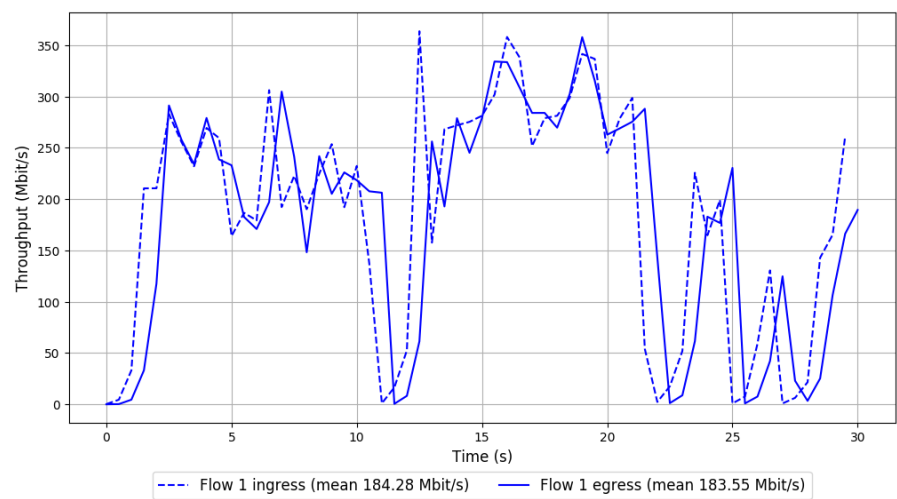
-- Flow 1:

Average throughput: 183.55 Mbit/s

95th percentile per-packet one-way delay: 127.846 ms

Loss rate: 0.97%

Run 10: Report of Verus — Data Link

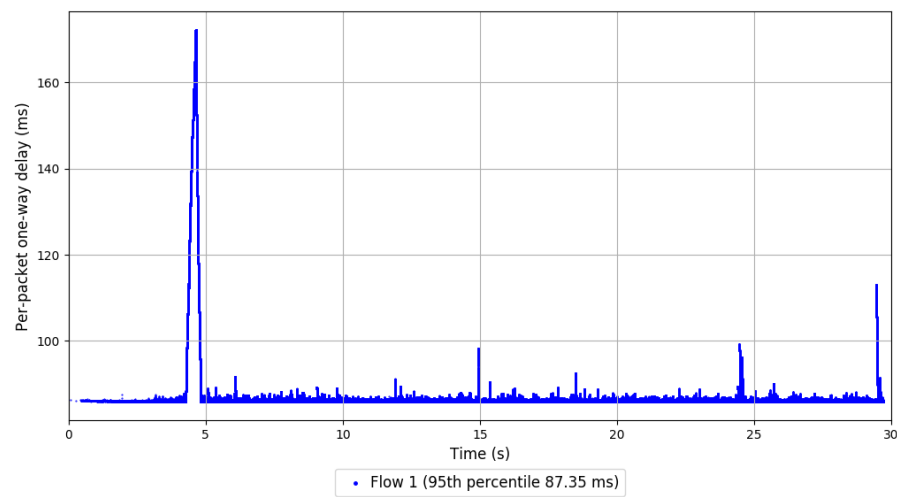
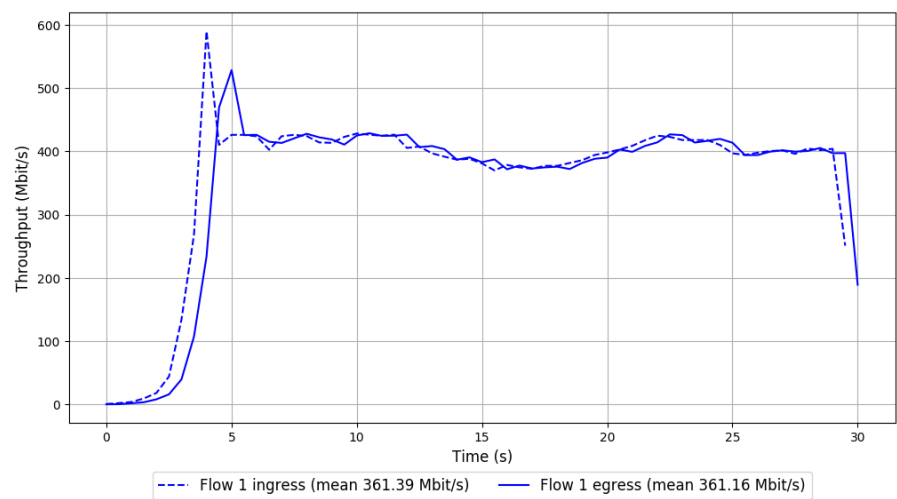


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-09 14:13:03
End at: 2018-08-09 14:13:33
Local clock offset: -0.119 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-08-09 19:48:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 361.16 Mbit/s
95th percentile per-packet one-way delay: 87.353 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 361.16 Mbit/s
95th percentile per-packet one-way delay: 87.353 ms
Loss rate: 0.64%

Run 1: Report of PCC-Vivace — Data Link

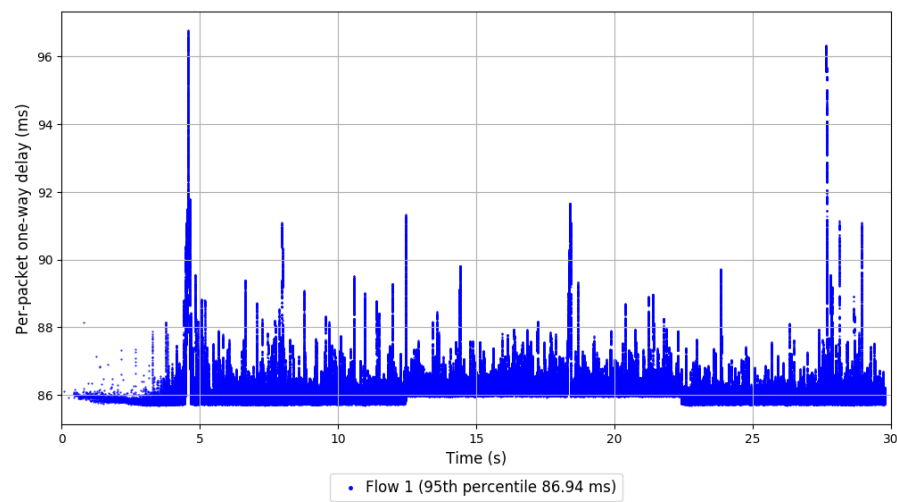
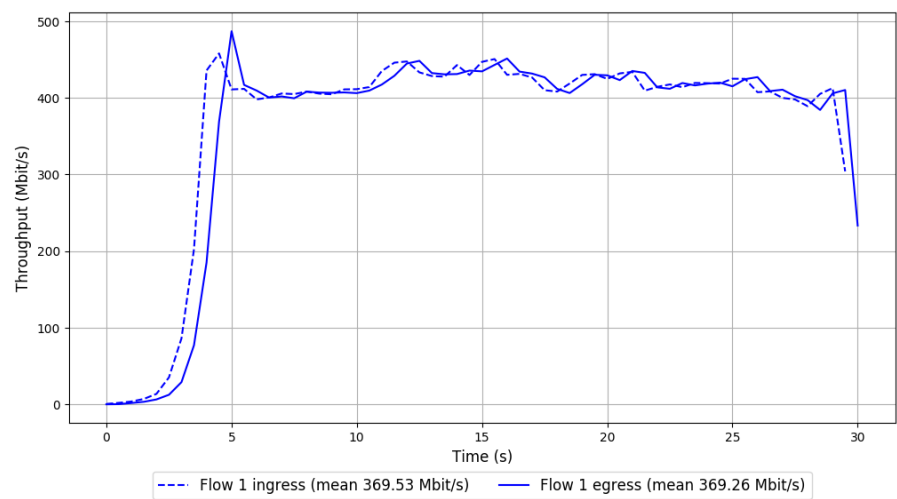


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-09 14:36:04
End at: 2018-08-09 14:36:34
Local clock offset: -0.274 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-08-09 19:49:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 369.26 Mbit/s
95th percentile per-packet one-way delay: 86.942 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 369.26 Mbit/s
95th percentile per-packet one-way delay: 86.942 ms
Loss rate: 0.65%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-09 14:58:53

End at: 2018-08-09 14:59:23

Local clock offset: 0.124 ms

Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-08-09 19:49:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 348.70 Mbit/s

95th percentile per-packet one-way delay: 87.719 ms

Loss rate: 0.77%

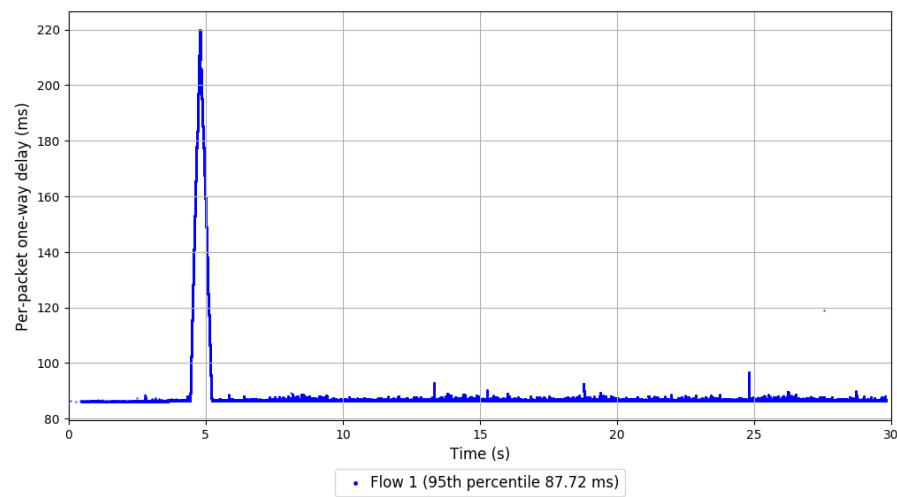
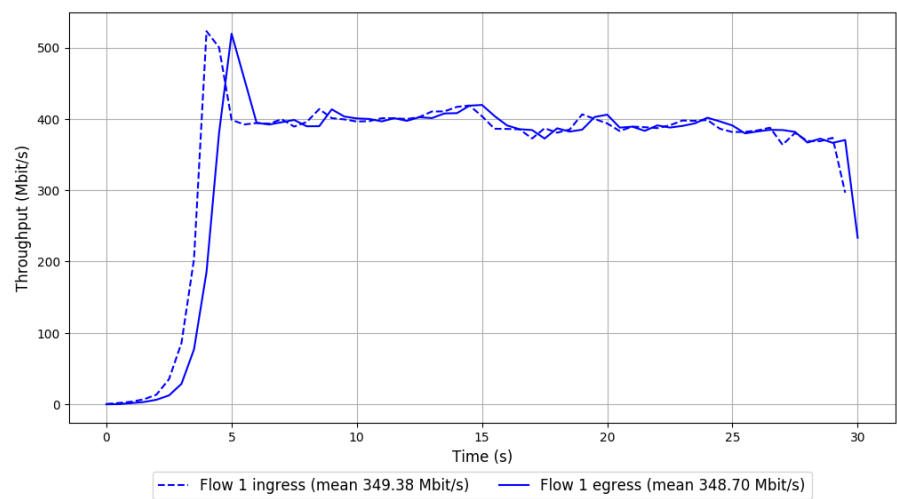
-- Flow 1:

Average throughput: 348.70 Mbit/s

95th percentile per-packet one-way delay: 87.719 ms

Loss rate: 0.77%

Run 3: Report of PCC-Vivace — Data Link

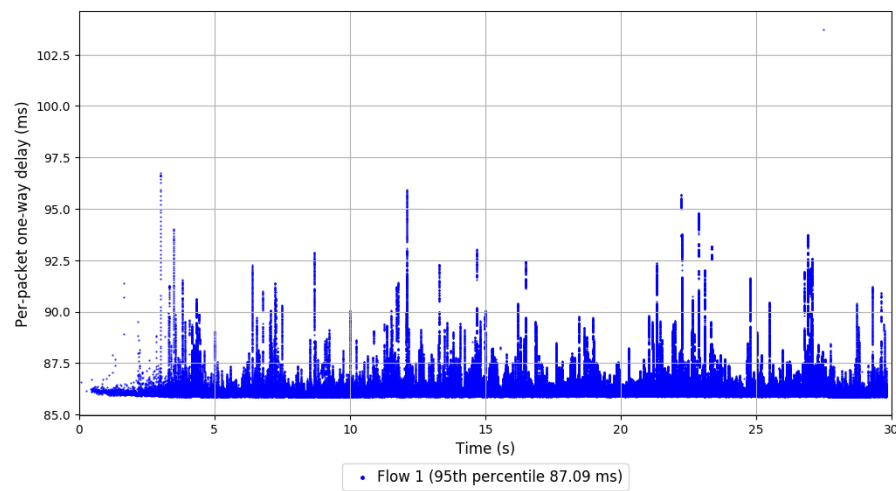
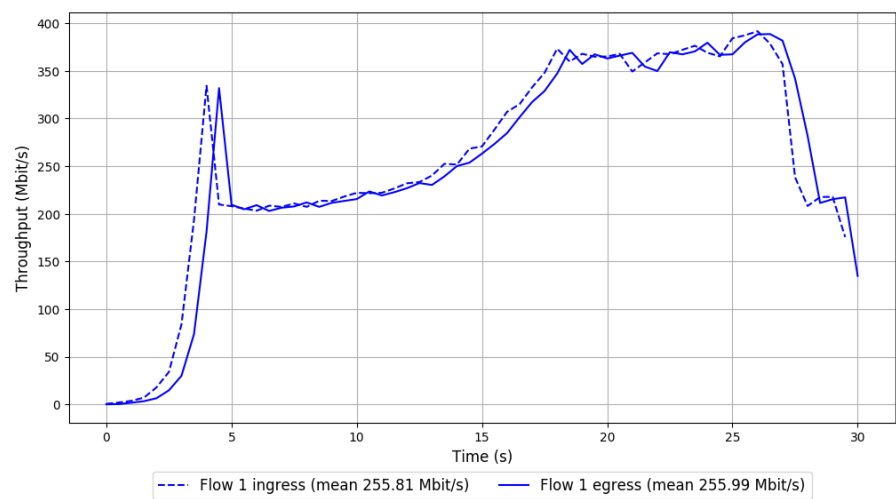


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-09 15:21:40
End at: 2018-08-09 15:22:10
Local clock offset: -0.151 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-08-09 19:49:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.99 Mbit/s
95th percentile per-packet one-way delay: 87.090 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 255.99 Mbit/s
95th percentile per-packet one-way delay: 87.090 ms
Loss rate: 0.51%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-09 15:44:27

End at: 2018-08-09 15:44:57

Local clock offset: -0.253 ms

Remote clock offset: 7.683 ms

Below is generated by plot.py at 2018-08-09 19:50:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.85 Mbit/s

95th percentile per-packet one-way delay: 102.431 ms

Loss rate: 0.65%

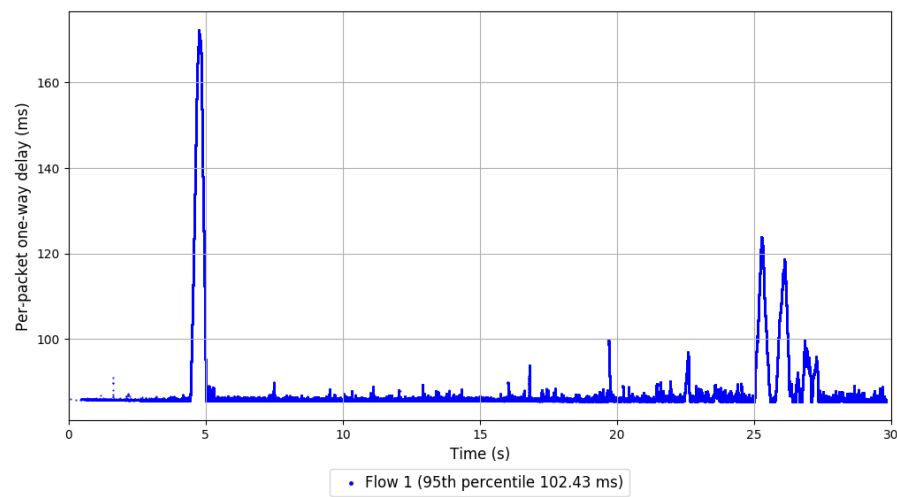
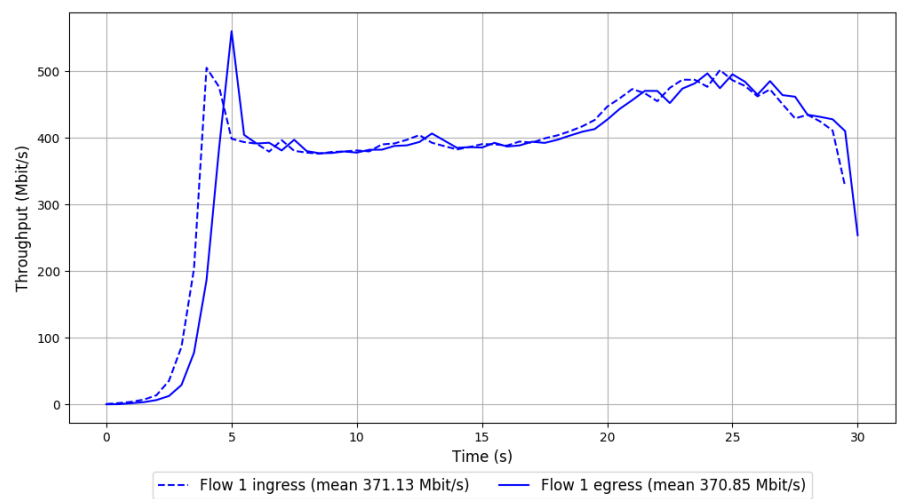
-- Flow 1:

Average throughput: 370.85 Mbit/s

95th percentile per-packet one-way delay: 102.431 ms

Loss rate: 0.65%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-09 16:07:03

End at: 2018-08-09 16:07:33

Local clock offset: -0.306 ms

Remote clock offset: 5.411 ms

Below is generated by plot.py at 2018-08-09 19:50:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 385.36 Mbit/s

95th percentile per-packet one-way delay: 87.393 ms

Loss rate: 0.72%

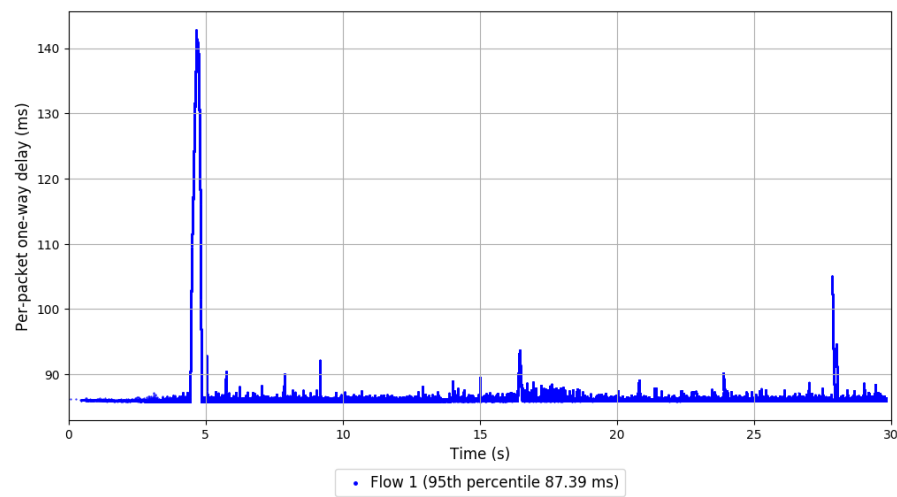
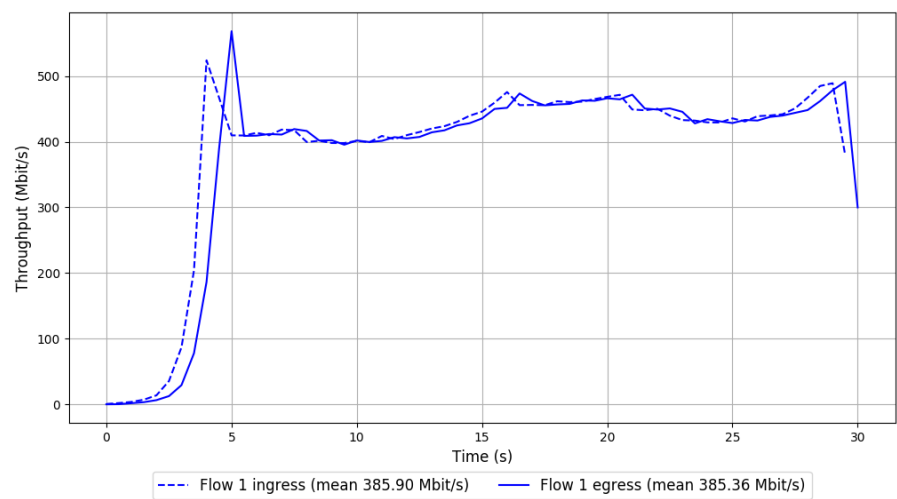
-- Flow 1:

Average throughput: 385.36 Mbit/s

95th percentile per-packet one-way delay: 87.393 ms

Loss rate: 0.72%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-09 16:29:48

End at: 2018-08-09 16:30:18

Local clock offset: -0.172 ms

Remote clock offset: 3.109 ms

Below is generated by plot.py at 2018-08-09 19:50:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 281.45 Mbit/s

95th percentile per-packet one-way delay: 193.659 ms

Loss rate: 0.51%

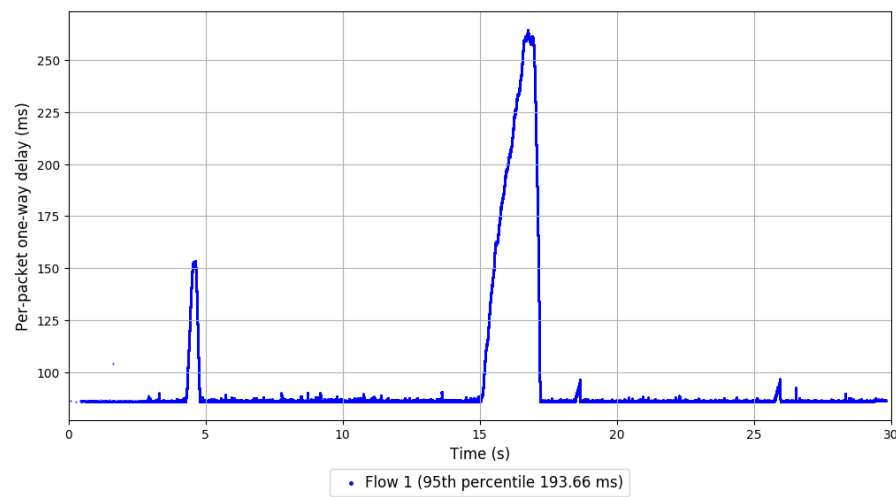
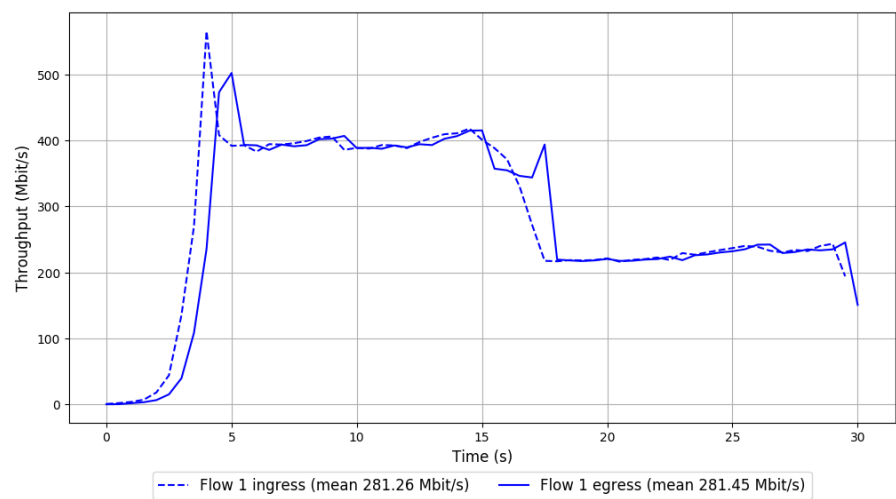
-- Flow 1:

Average throughput: 281.45 Mbit/s

95th percentile per-packet one-way delay: 193.659 ms

Loss rate: 0.51%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-09 16:52:44

End at: 2018-08-09 16:53:14

Local clock offset: -0.204 ms

Remote clock offset: 3.644 ms

Below is generated by plot.py at 2018-08-09 19:51:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 374.76 Mbit/s

95th percentile per-packet one-way delay: 102.959 ms

Loss rate: 0.74%

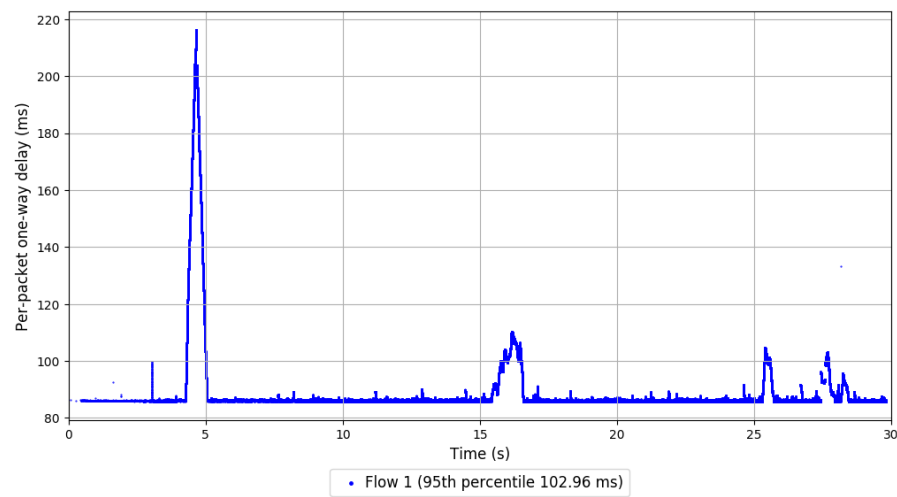
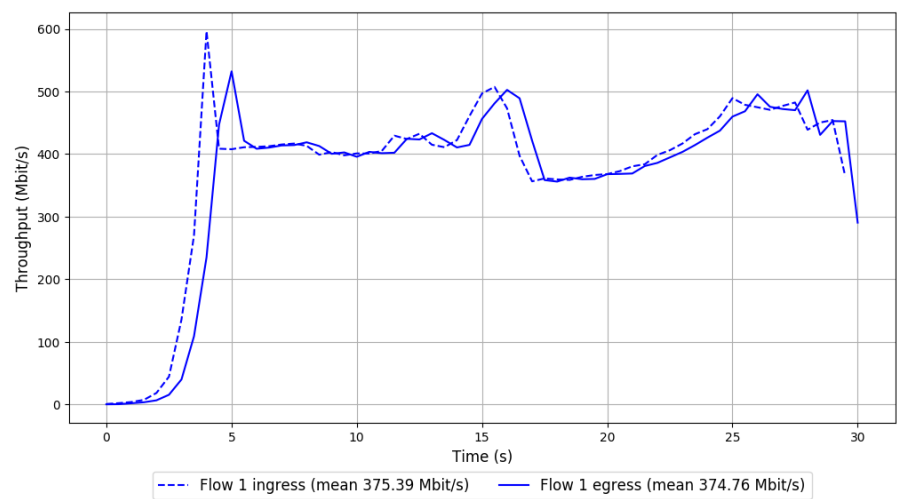
-- Flow 1:

Average throughput: 374.76 Mbit/s

95th percentile per-packet one-way delay: 102.959 ms

Loss rate: 0.74%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-09 17:15:49

End at: 2018-08-09 17:16:19

Local clock offset: -0.159 ms

Remote clock offset: 1.401 ms

Below is generated by plot.py at 2018-08-09 19:51:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 377.58 Mbit/s

95th percentile per-packet one-way delay: 257.094 ms

Loss rate: 2.30%

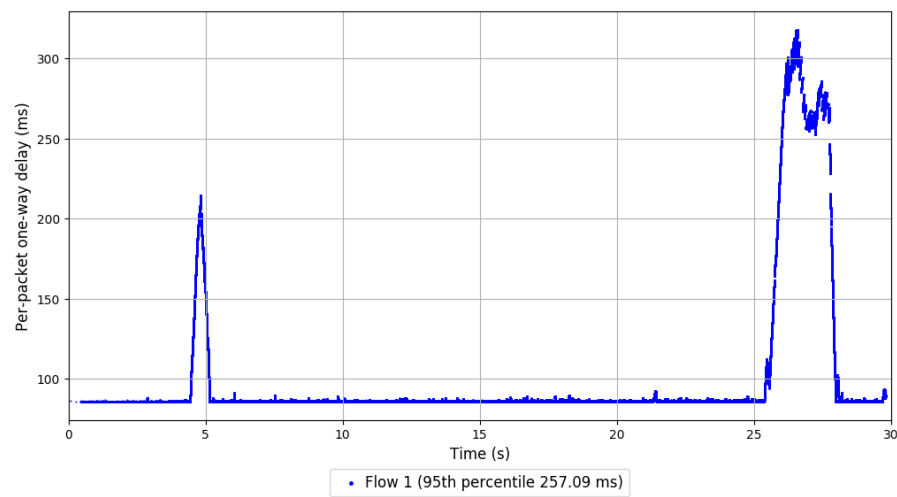
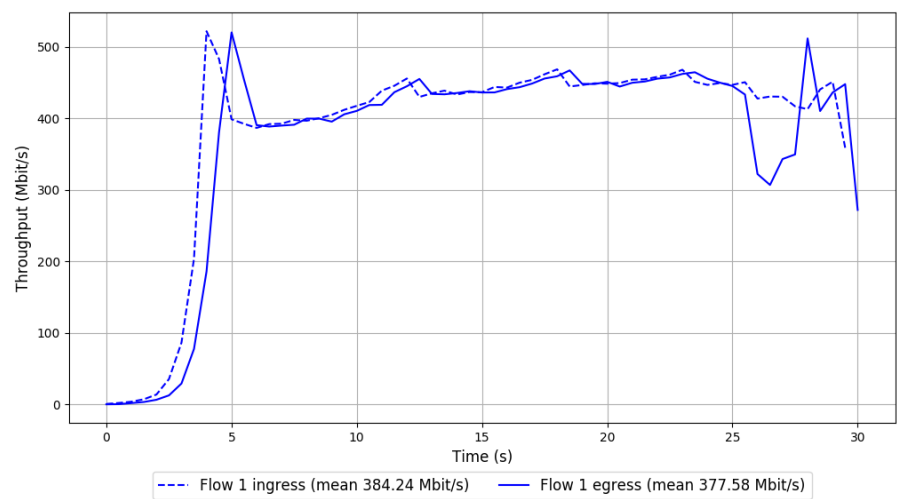
-- Flow 1:

Average throughput: 377.58 Mbit/s

95th percentile per-packet one-way delay: 257.094 ms

Loss rate: 2.30%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-09 17:38:49

End at: 2018-08-09 17:39:19

Local clock offset: -0.081 ms

Remote clock offset: 0.711 ms

Below is generated by plot.py at 2018-08-09 19:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 377.55 Mbit/s

95th percentile per-packet one-way delay: 88.324 ms

Loss rate: 0.64%

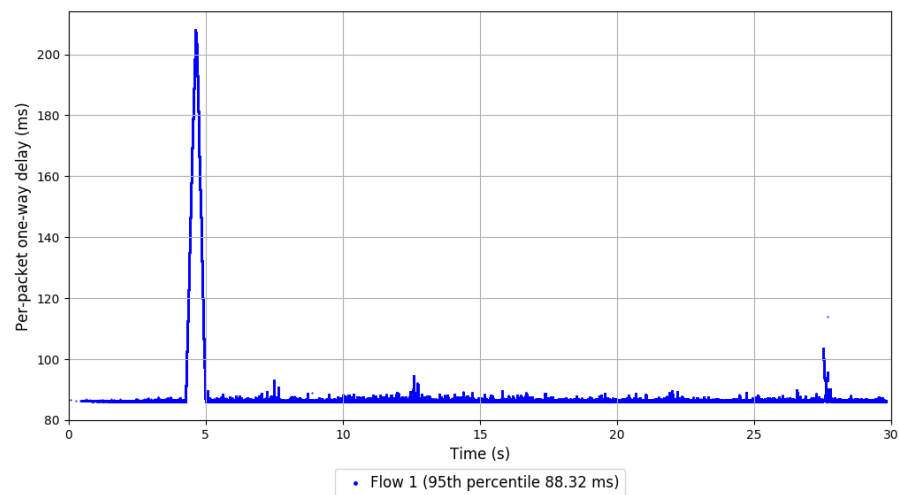
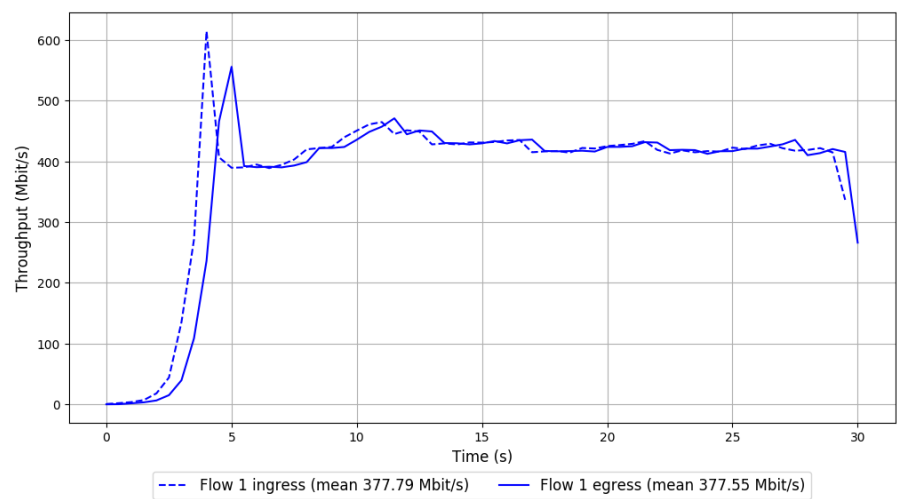
-- Flow 1:

Average throughput: 377.55 Mbit/s

95th percentile per-packet one-way delay: 88.324 ms

Loss rate: 0.64%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

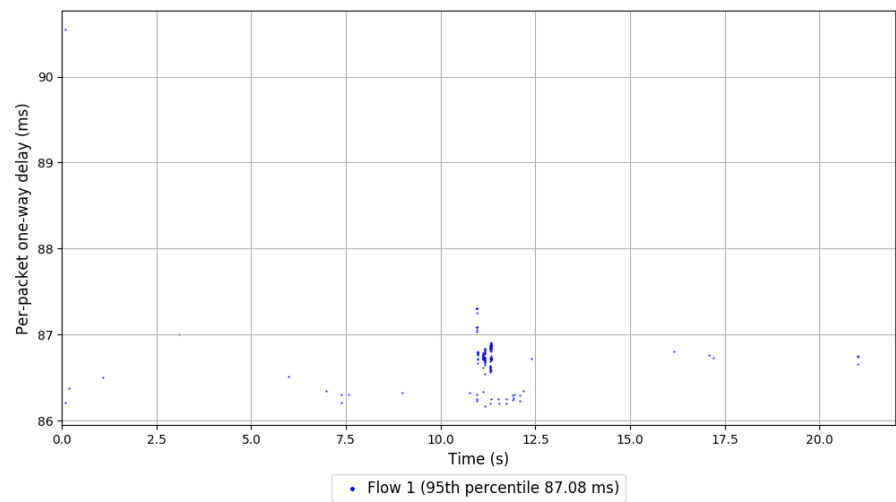
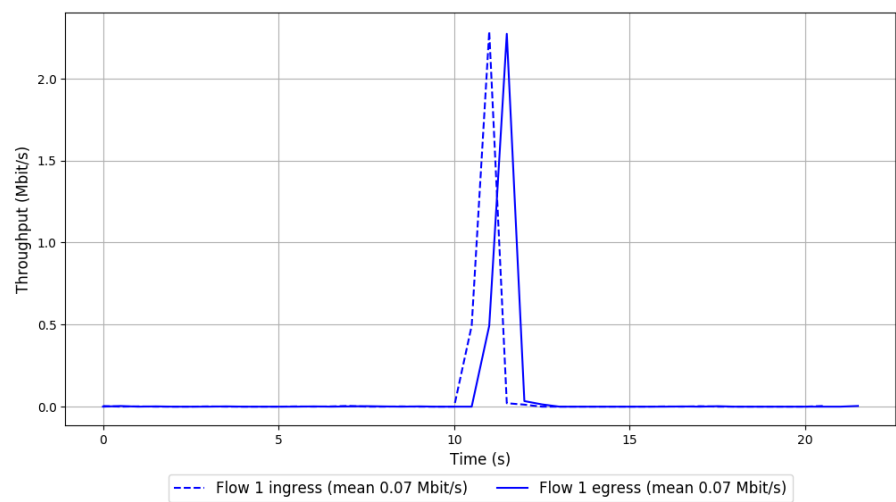
Start at: 2018-08-09 14:21:17

End at: 2018-08-09 14:21:47

Local clock offset: -0.057 ms

Remote clock offset: -0.093 ms

Run 1: Report of WebRTC media — Data Link

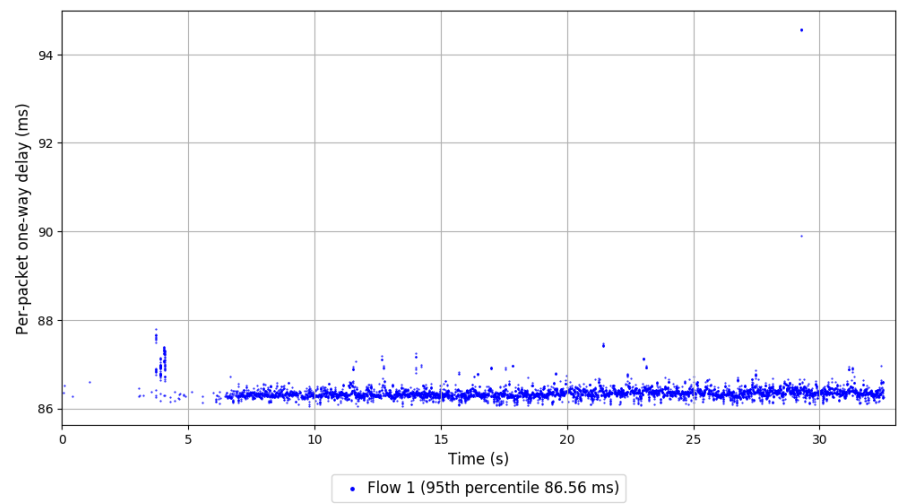
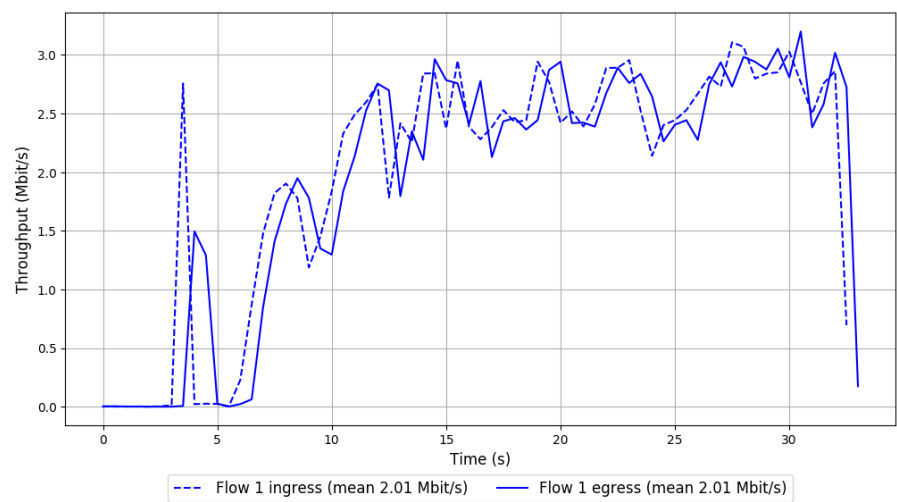


Run 2: Statistics of WebRTC media

Start at: 2018-08-09 14:44:20
End at: 2018-08-09 14:44:50
Local clock offset: -0.044 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-09 19:51:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 86.561 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 86.561 ms
Loss rate: 0.73%

Run 2: Report of WebRTC media — Data Link

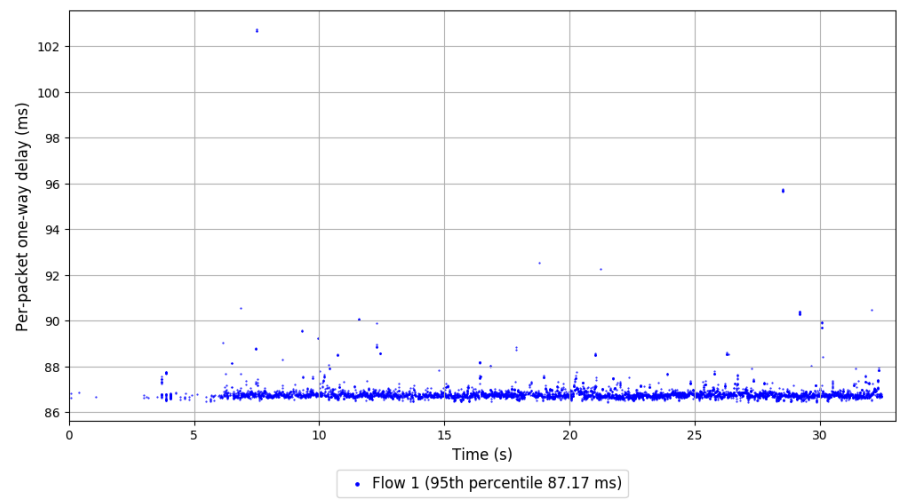
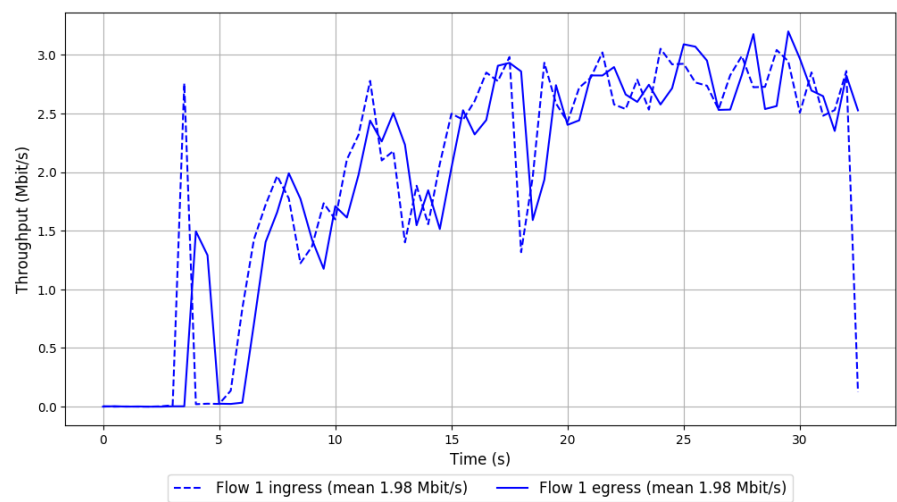


Run 3: Statistics of WebRTC media

Start at: 2018-08-09 15:07:06
End at: 2018-08-09 15:07:36
Local clock offset: -0.112 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-08-09 19:51:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 87.170 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 87.170 ms
Loss rate: 0.62%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-09 15:29:46

End at: 2018-08-09 15:30:16

Local clock offset: -0.106 ms

Remote clock offset: 2.098 ms

Below is generated by plot.py at 2018-08-09 19:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 86.711 ms

Loss rate: 0.64%

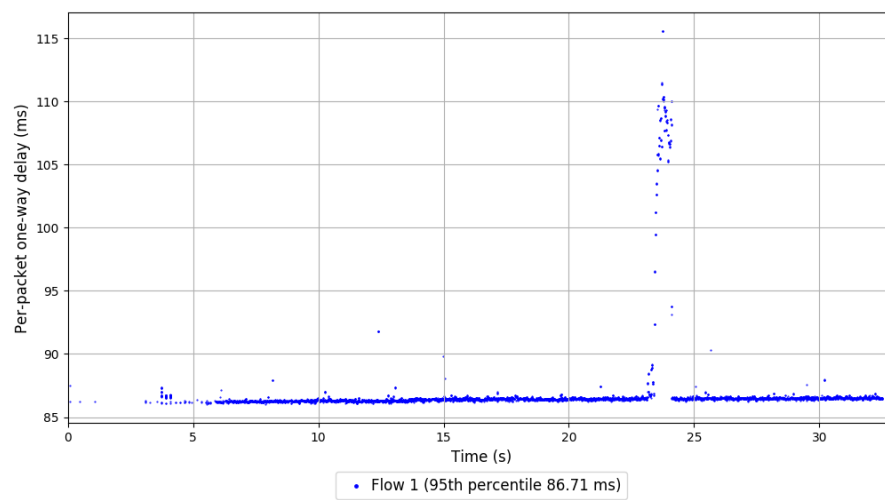
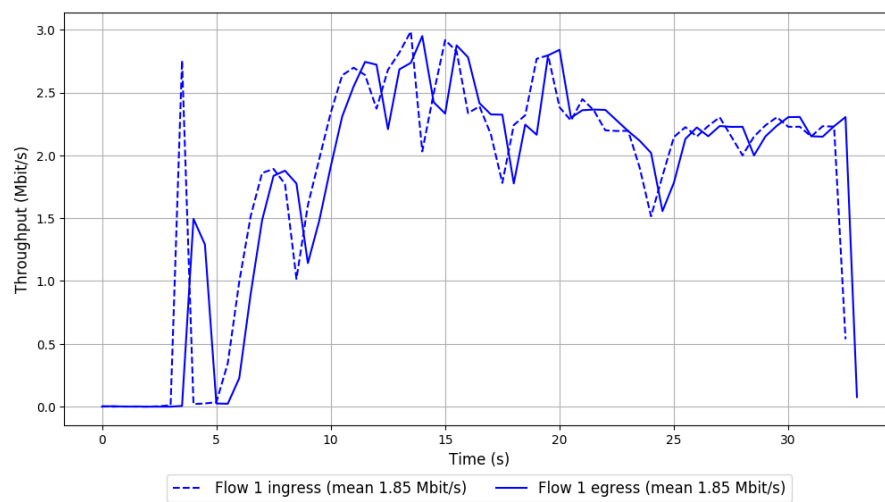
-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 86.711 ms

Loss rate: 0.64%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-09 15:52:47

End at: 2018-08-09 15:53:17

Local clock offset: -0.123 ms

Remote clock offset: 4.693 ms

Below is generated by plot.py at 2018-08-09 19:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 86.332 ms

Loss rate: 0.56%

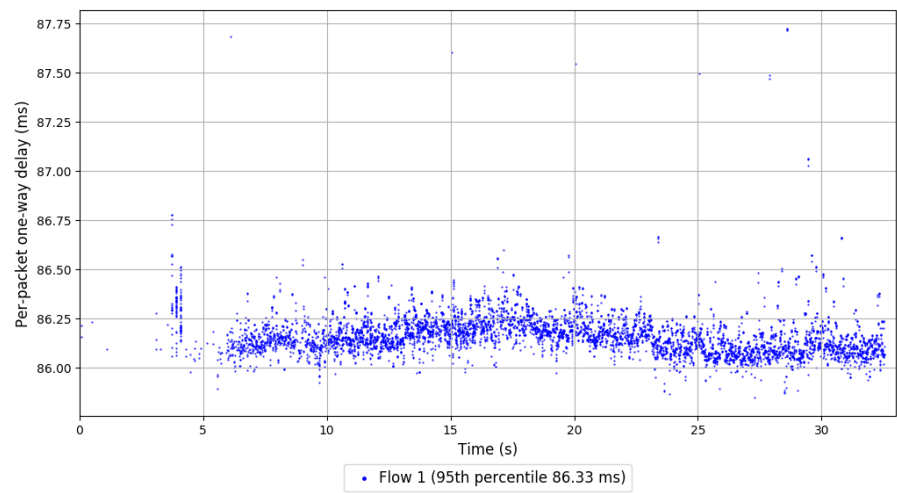
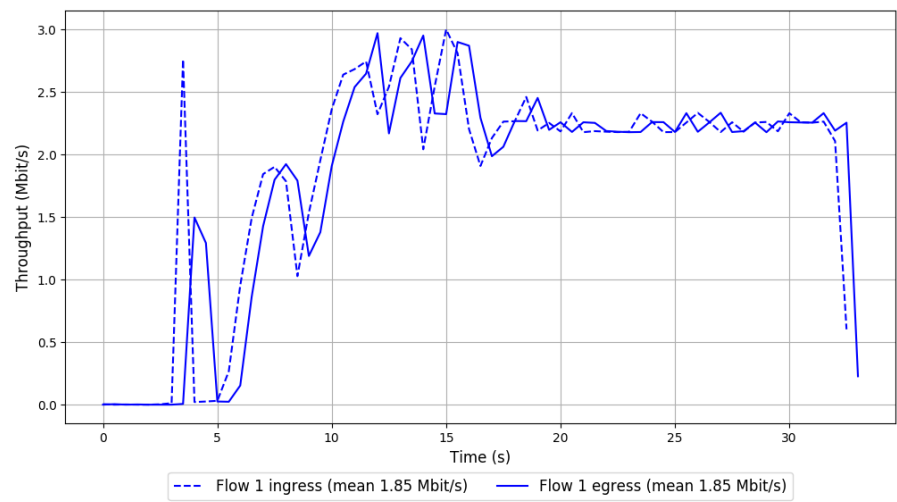
-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 86.332 ms

Loss rate: 0.56%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-09 16:15:01

End at: 2018-08-09 16:15:31

Local clock offset: -0.123 ms

Remote clock offset: 6.799 ms

Below is generated by plot.py at 2018-08-09 19:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 86.893 ms

Loss rate: 0.62%

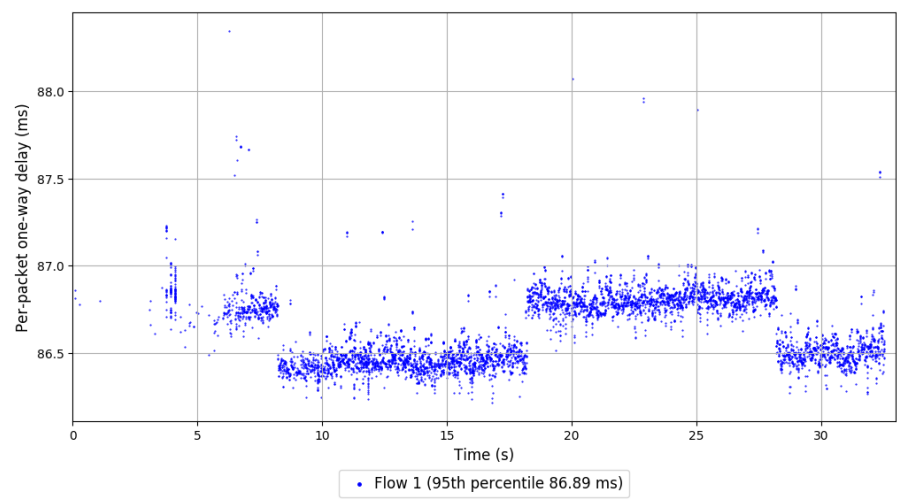
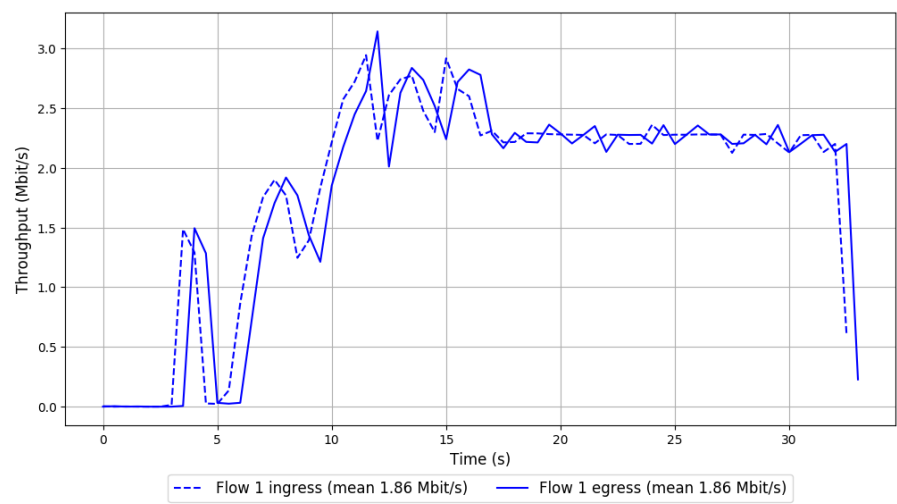
-- Flow 1:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 86.893 ms

Loss rate: 0.62%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-09 16:38:03

End at: 2018-08-09 16:38:33

Local clock offset: -0.123 ms

Remote clock offset: 2.734 ms

Below is generated by plot.py at 2018-08-09 19:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 86.527 ms

Loss rate: 0.63%

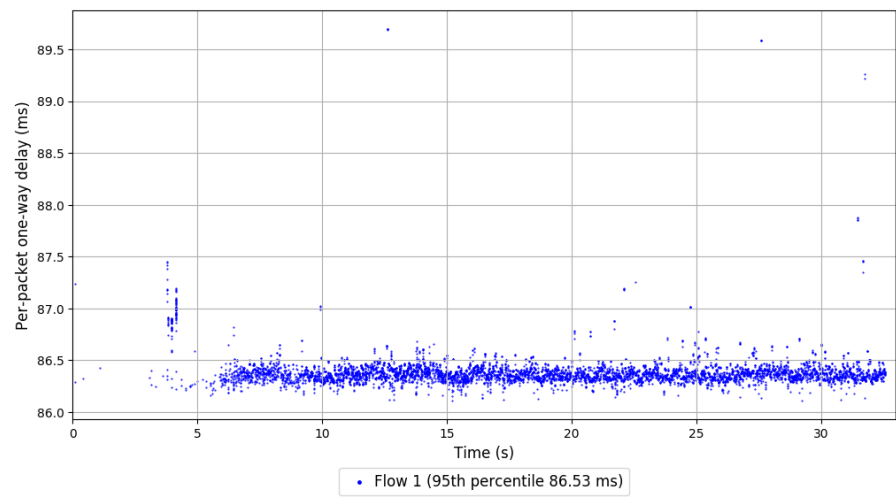
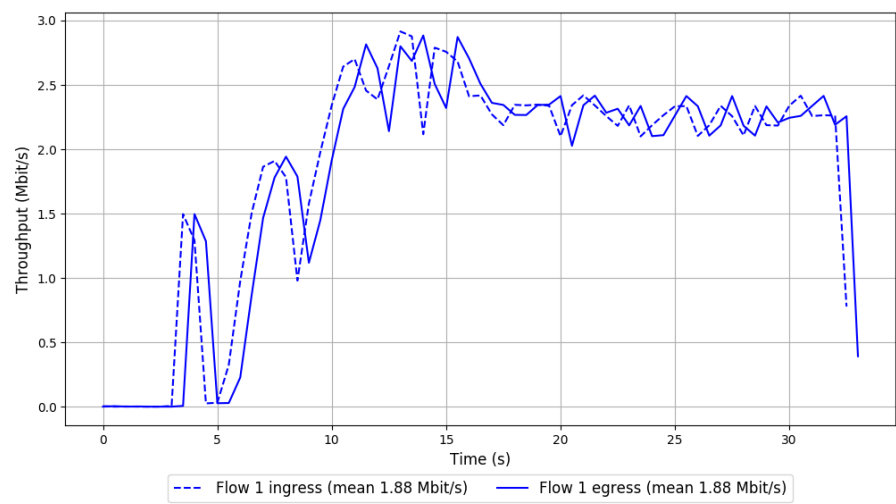
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 86.527 ms

Loss rate: 0.63%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-09 17:01:04

End at: 2018-08-09 17:01:34

Local clock offset: -0.136 ms

Remote clock offset: 1.775 ms

Below is generated by plot.py at 2018-08-09 19:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 86.339 ms

Loss rate: 0.55%

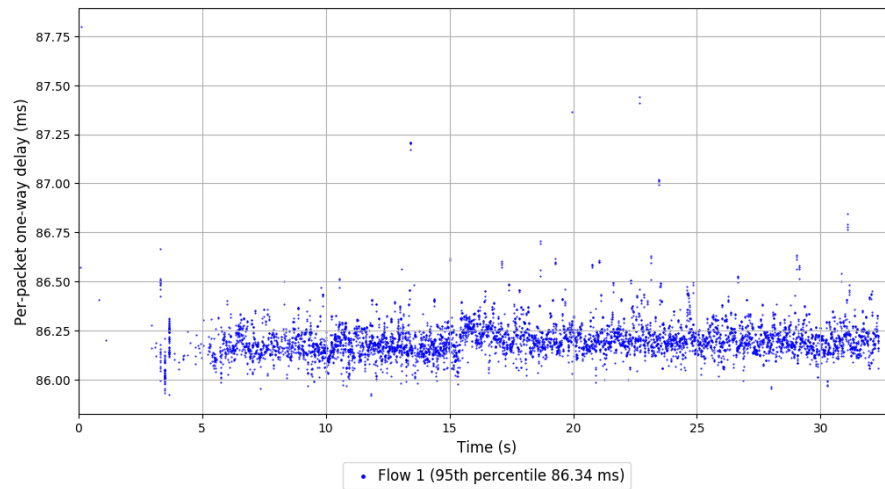
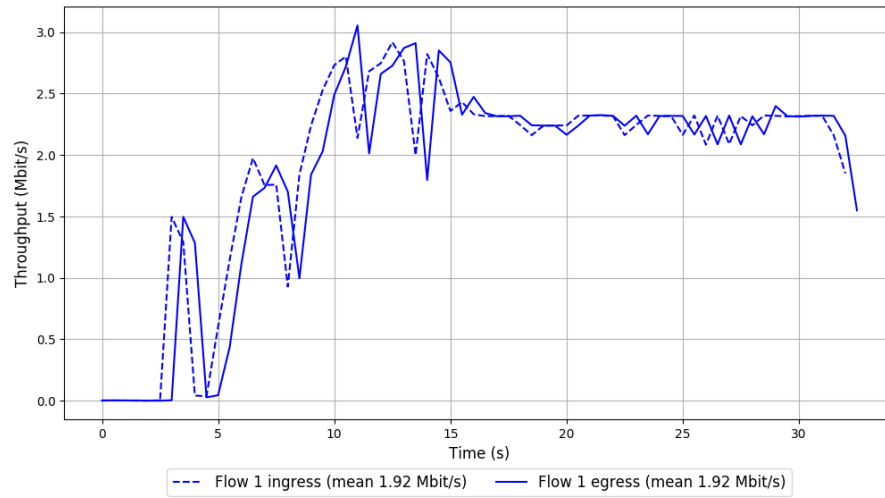
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 86.339 ms

Loss rate: 0.55%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-09 17:24:12

End at: 2018-08-09 17:24:42

Local clock offset: -0.165 ms

Remote clock offset: 1.714 ms

Below is generated by plot.py at 2018-08-09 19:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 86.322 ms

Loss rate: 0.61%

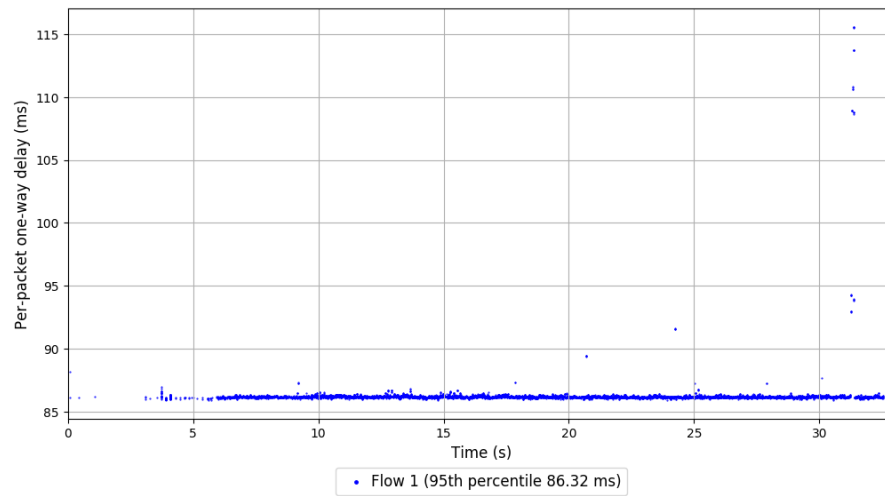
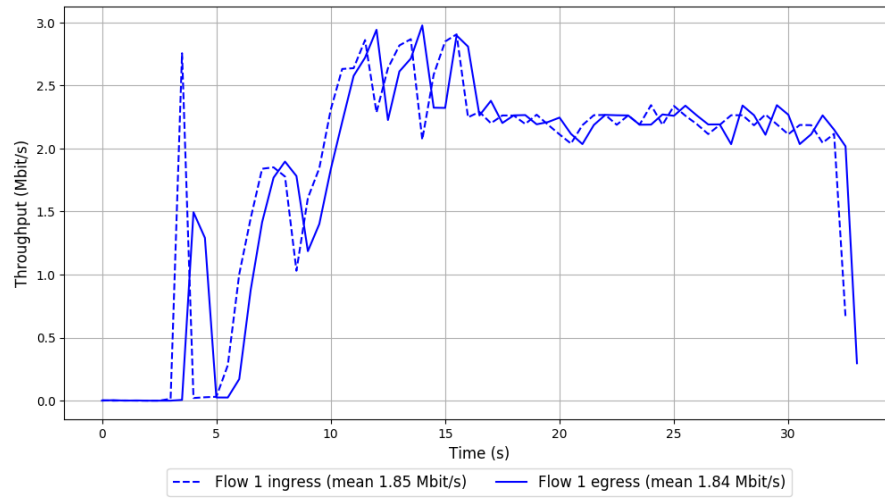
-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 86.322 ms

Loss rate: 0.61%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-09 17:47:07

End at: 2018-08-09 17:47:37

Local clock offset: -0.009 ms

Remote clock offset: 0.664 ms

Below is generated by plot.py at 2018-08-09 19:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 86.470 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 86.470 ms

Loss rate: 0.60%

Run 10: Report of WebRTC media — Data Link

