

Pantheon Report

Generated at 2018-07-25 03:44:34 (UTC).

Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

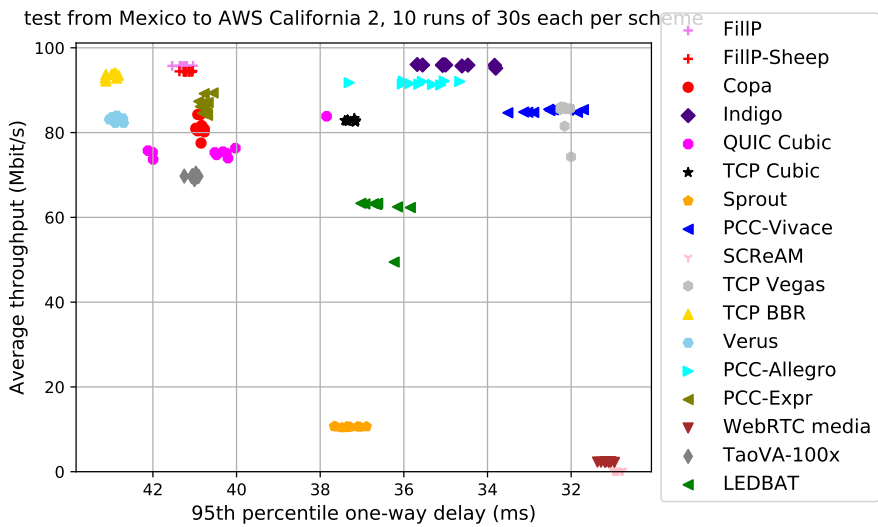
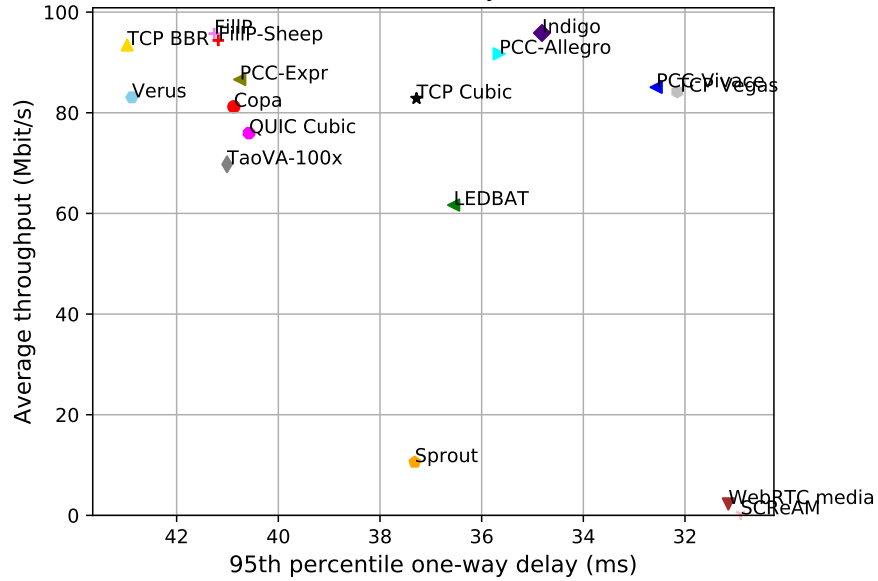
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-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 Mexico to AWS California 2, 10 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	93.46	42.97	1.10
Copa	10	81.20	40.87	0.28
TCP Cubic	10	82.83	37.28	0.26
FillP	10	95.72	41.26	0.25
FillP-Sheep	10	94.38	41.18	0.27
Indigo	10	95.85	34.81	0.23
LEDBAT	10	61.66	36.55	0.34
PCC-Allegro	10	91.72	35.65	0.23
PCC-Expr	10	86.61	40.76	0.31
QUIC Cubic	10	75.96	40.58	0.29
SCReAM	10	0.21	30.91	0.26
Sprout	10	10.58	37.32	0.18
TaoVA-100x	10	69.75	41.01	0.23
TCP Vegas	10	84.19	32.15	0.24
Verus	10	83.06	42.88	0.40
PCC-Vivace	10	85.06	32.57	0.24
WebRTC media	10	2.27	31.15	0.24

Run 1: Statistics of TCP BBR

Start at: 2018-07-24 23:47:42

End at: 2018-07-24 23:48:12

Local clock offset: 0.025 ms

Remote clock offset: 2.231 ms

Below is generated by plot.py at 2018-07-25 03:23:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.18 Mbit/s

95th percentile per-packet one-way delay: 43.125 ms

Loss rate: 1.14%

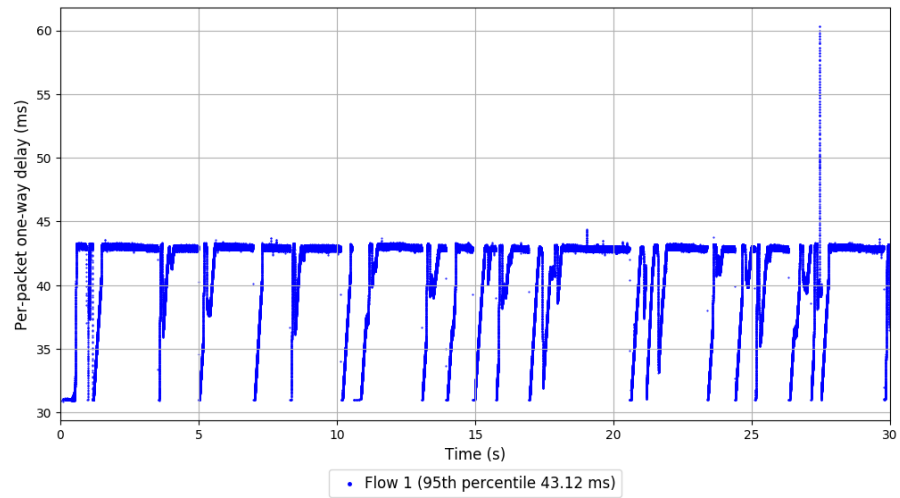
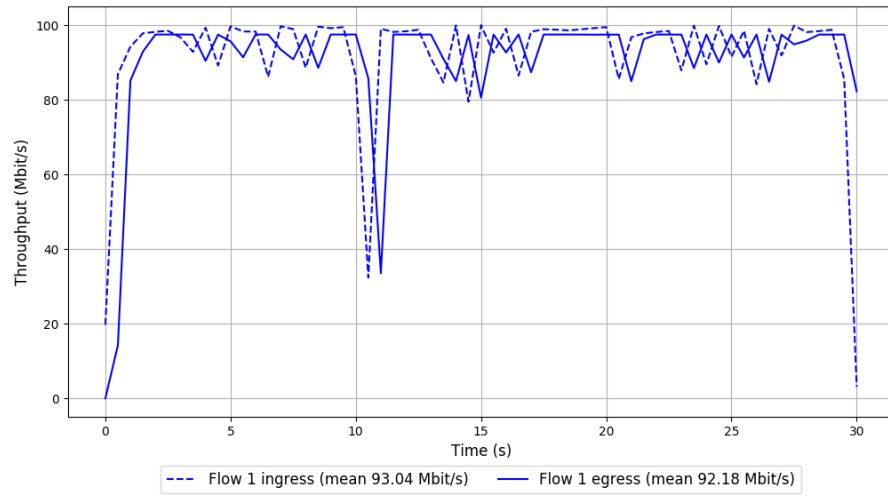
-- Flow 1:

Average throughput: 92.18 Mbit/s

95th percentile per-packet one-way delay: 43.125 ms

Loss rate: 1.14%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-25 00:09:59

End at: 2018-07-25 00:10:29

Local clock offset: -0.35 ms

Remote clock offset: 2.556 ms

Below is generated by plot.py at 2018-07-25 03:23:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 42.924 ms

Loss rate: 1.13%

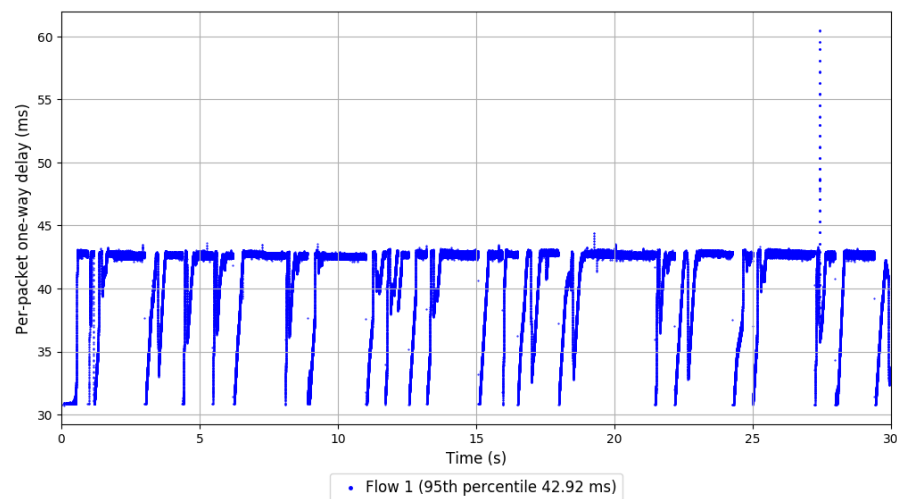
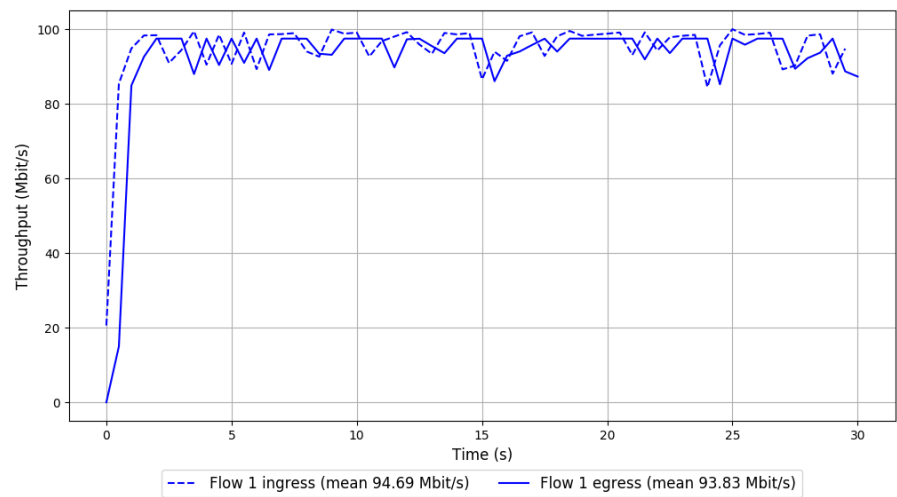
-- Flow 1:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 42.924 ms

Loss rate: 1.13%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-25 00:32:13

End at: 2018-07-25 00:32:43

Local clock offset: -0.407 ms

Remote clock offset: 2.08 ms

Below is generated by plot.py at 2018-07-25 03:23:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.87 Mbit/s

95th percentile per-packet one-way delay: 42.866 ms

Loss rate: 1.16%

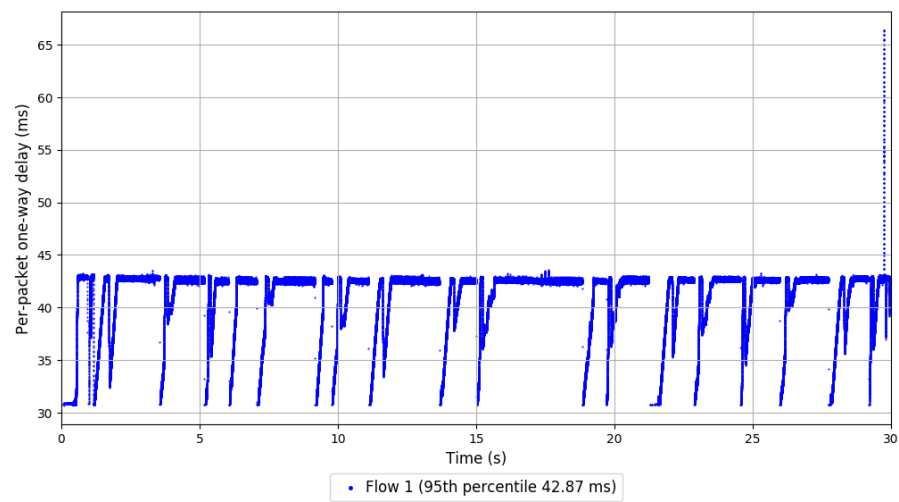
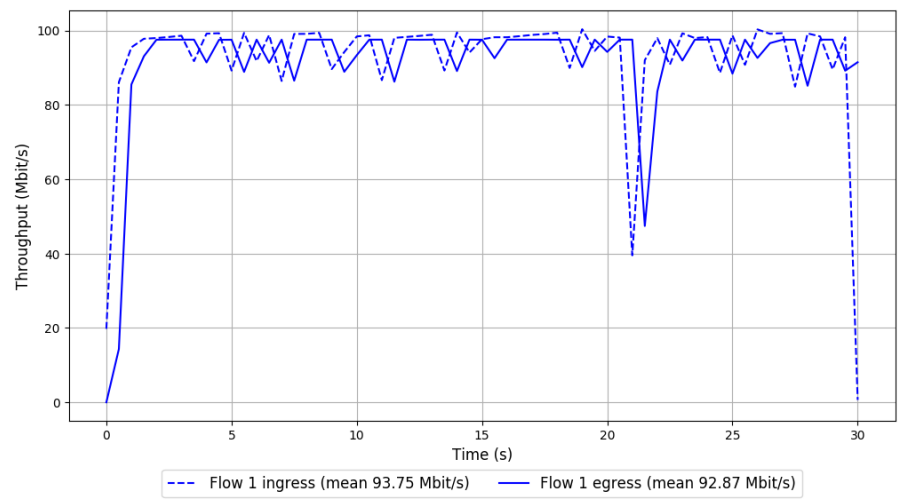
-- Flow 1:

Average throughput: 92.87 Mbit/s

95th percentile per-packet one-way delay: 42.866 ms

Loss rate: 1.16%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-25 00:54:30

End at: 2018-07-25 00:55:00

Local clock offset: -0.076 ms

Remote clock offset: 1.476 ms

Below is generated by plot.py at 2018-07-25 03:23:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 42.938 ms

Loss rate: 1.25%

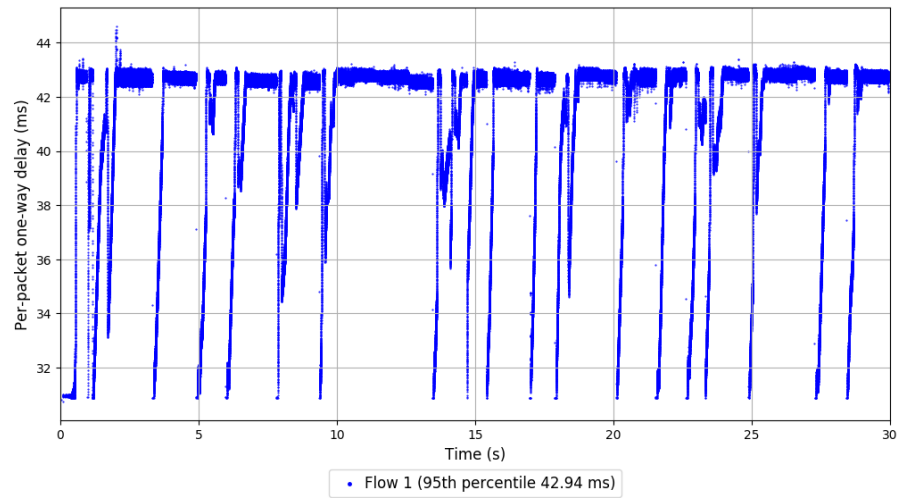
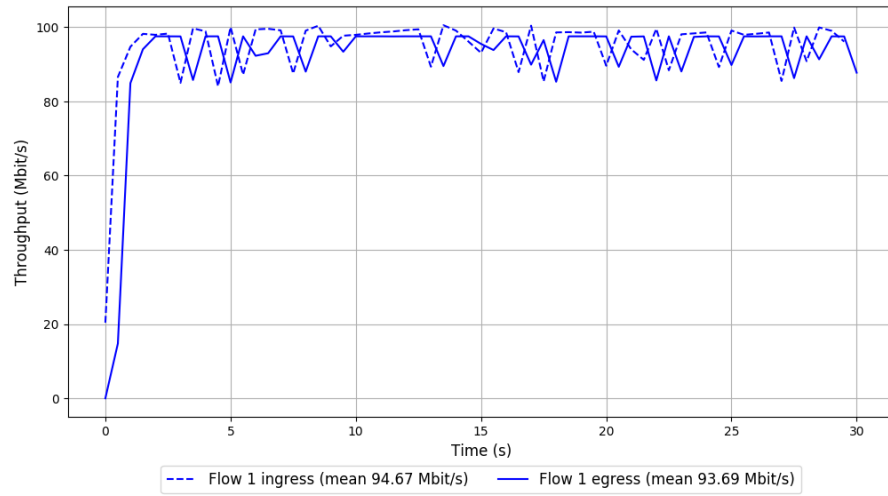
-- Flow 1:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 42.938 ms

Loss rate: 1.25%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-25 01:16:50

End at: 2018-07-25 01:17:20

Local clock offset: 0.122 ms

Remote clock offset: 1.256 ms

Below is generated by plot.py at 2018-07-25 03:23:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 42.978 ms

Loss rate: 1.12%

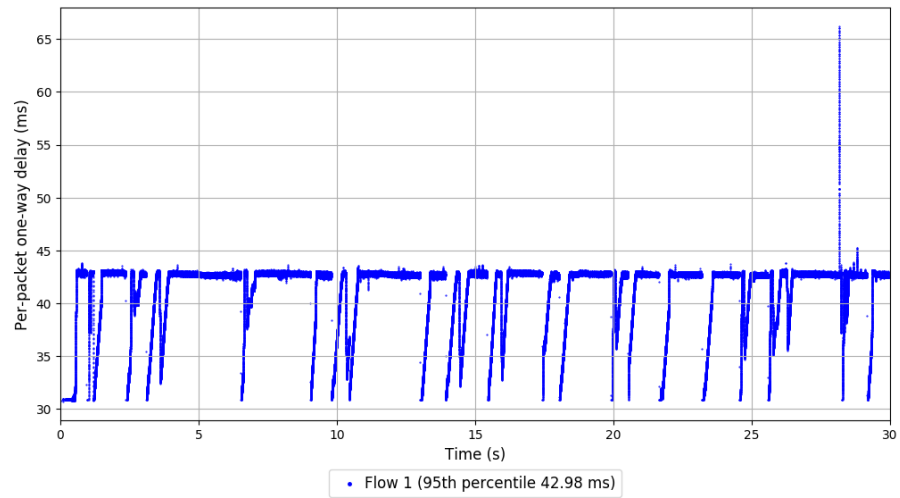
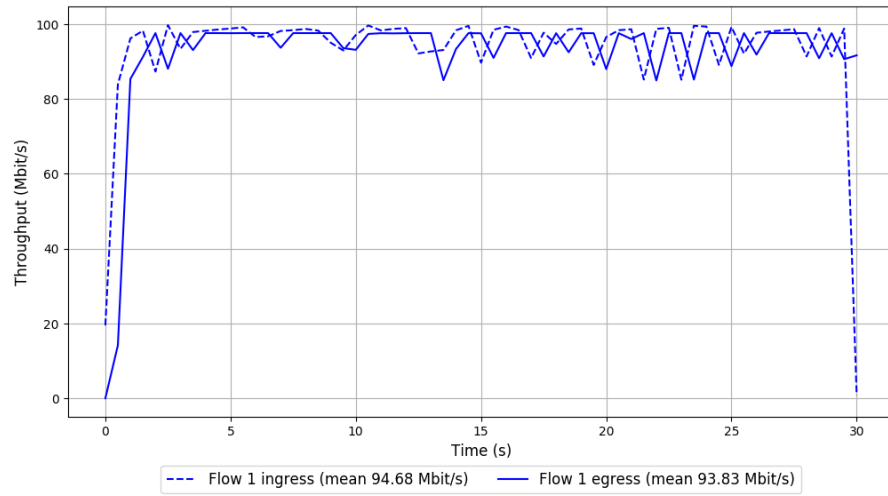
-- Flow 1:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 42.978 ms

Loss rate: 1.12%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-25 01:39:13

End at: 2018-07-25 01:39:43

Local clock offset: 1.994 ms

Remote clock offset: 1.256 ms

Below is generated by plot.py at 2018-07-25 03:23:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.92 Mbit/s

95th percentile per-packet one-way delay: 42.914 ms

Loss rate: 1.12%

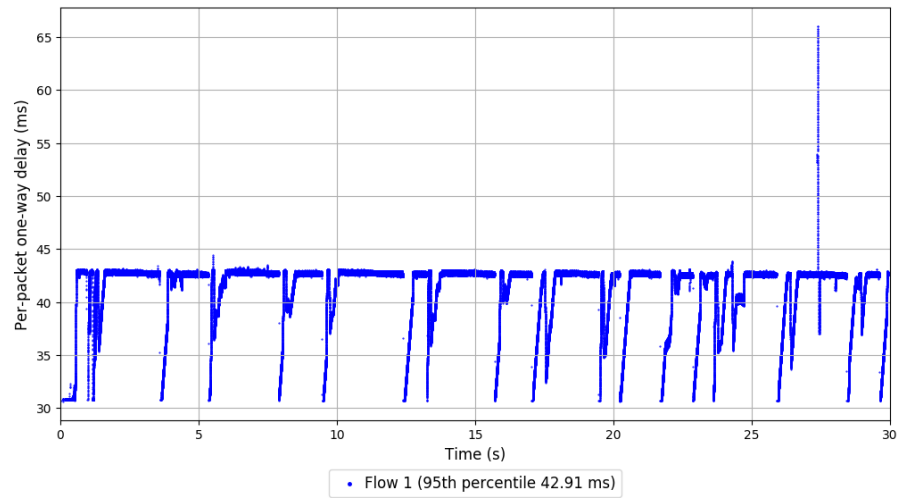
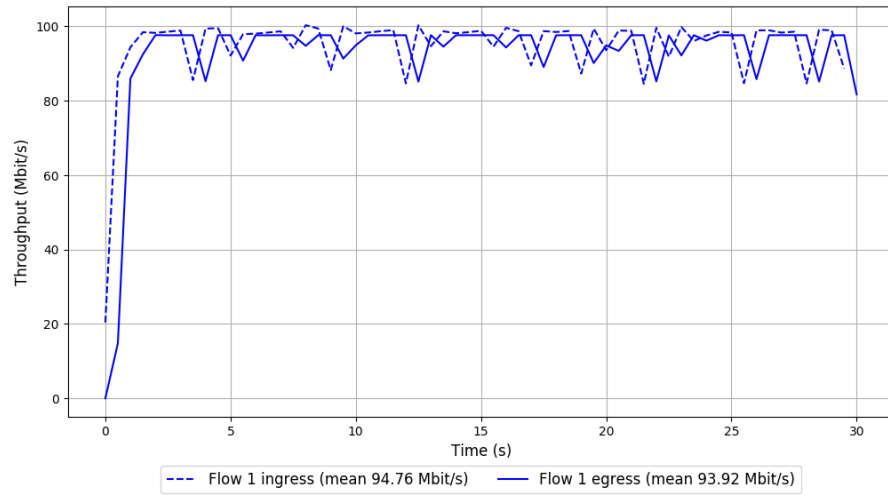
-- Flow 1:

Average throughput: 93.92 Mbit/s

95th percentile per-packet one-way delay: 42.914 ms

Loss rate: 1.12%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-25 02:01:35

End at: 2018-07-25 02:02:05

Local clock offset: 3.755 ms

Remote clock offset: 1.389 ms

Below is generated by plot.py at 2018-07-25 03:23:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.54 Mbit/s

95th percentile per-packet one-way delay: 42.825 ms

Loss rate: 1.17%

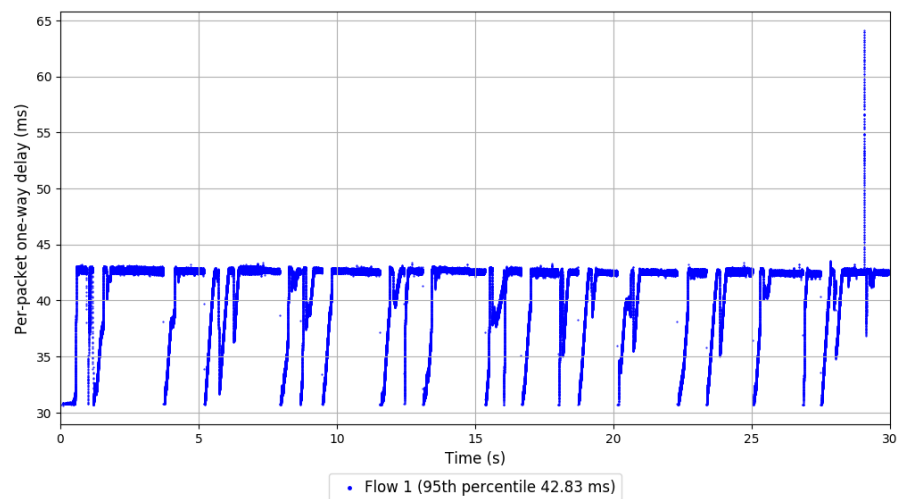
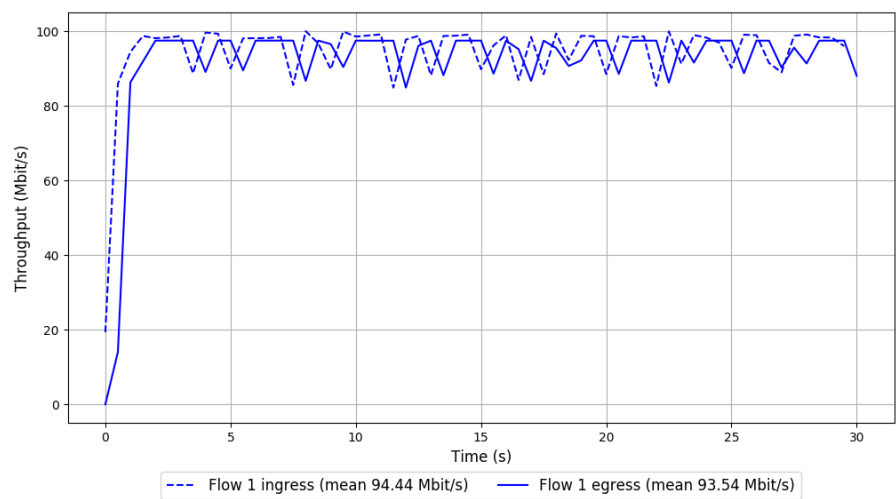
-- Flow 1:

Average throughput: 93.54 Mbit/s

95th percentile per-packet one-way delay: 42.825 ms

Loss rate: 1.17%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-25 02:23:50

End at: 2018-07-25 02:24:20

Local clock offset: 4.567 ms

Remote clock offset: 1.214 ms

Below is generated by plot.py at 2018-07-25 03:23:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.09 Mbit/s

95th percentile per-packet one-way delay: 42.898 ms

Loss rate: 1.06%

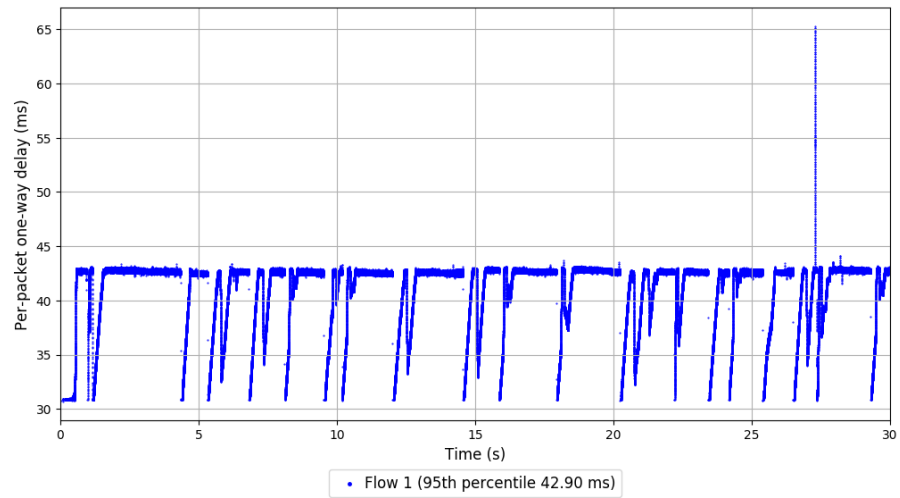
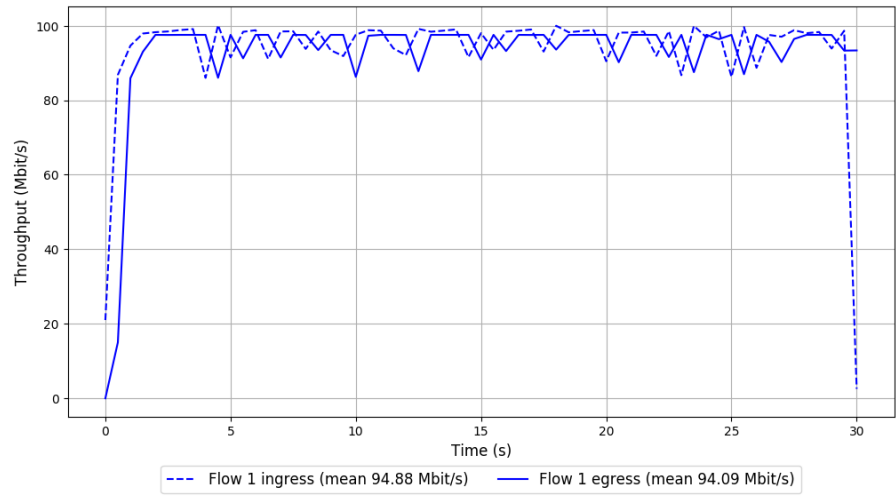
-- Flow 1:

Average throughput: 94.09 Mbit/s

95th percentile per-packet one-way delay: 42.898 ms

Loss rate: 1.06%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-25 02:46:15

End at: 2018-07-25 02:46:45

Local clock offset: 3.25 ms

Remote clock offset: 1.413 ms

Below is generated by plot.py at 2018-07-25 03:24:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.73 Mbit/s

95th percentile per-packet one-way delay: 43.124 ms

Loss rate: 0.94%

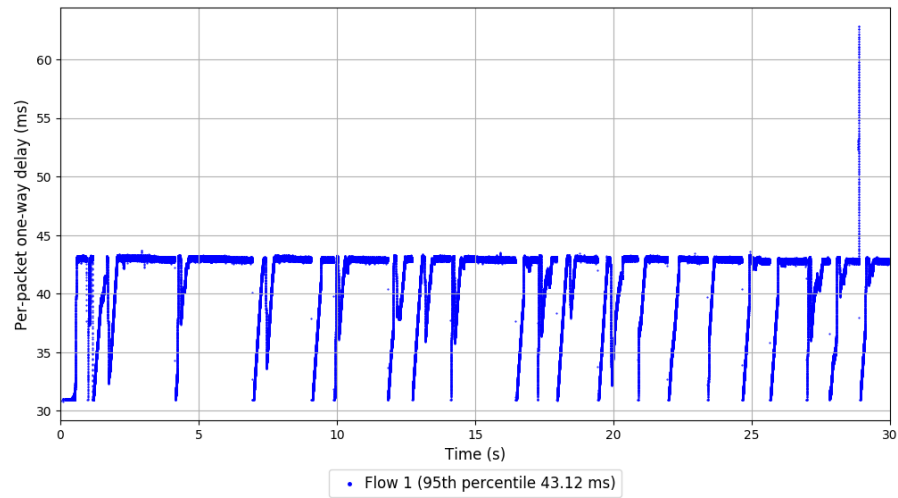
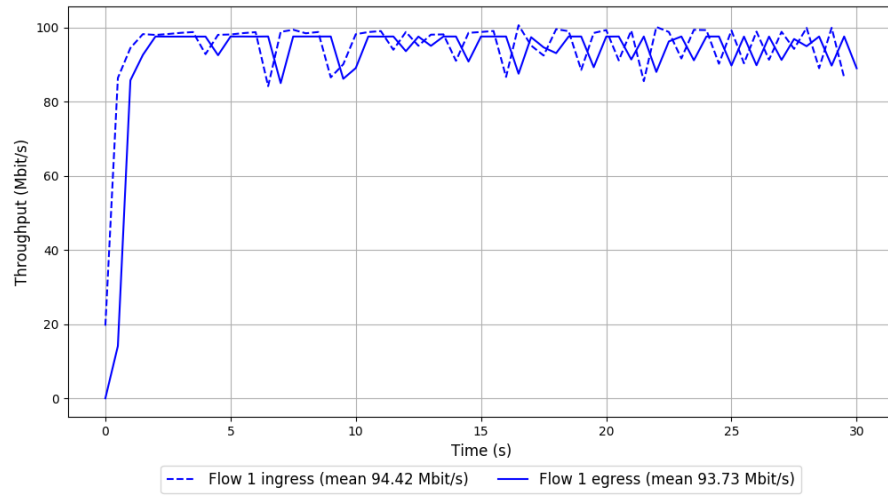
-- Flow 1:

Average throughput: 93.73 Mbit/s

95th percentile per-packet one-way delay: 43.124 ms

Loss rate: 0.94%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-25 03:08:28

End at: 2018-07-25 03:08:58

Local clock offset: 1.014 ms

Remote clock offset: 1.252 ms

Below is generated by plot.py at 2018-07-25 03:24:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.91 Mbit/s

95th percentile per-packet one-way delay: 43.135 ms

Loss rate: 0.96%

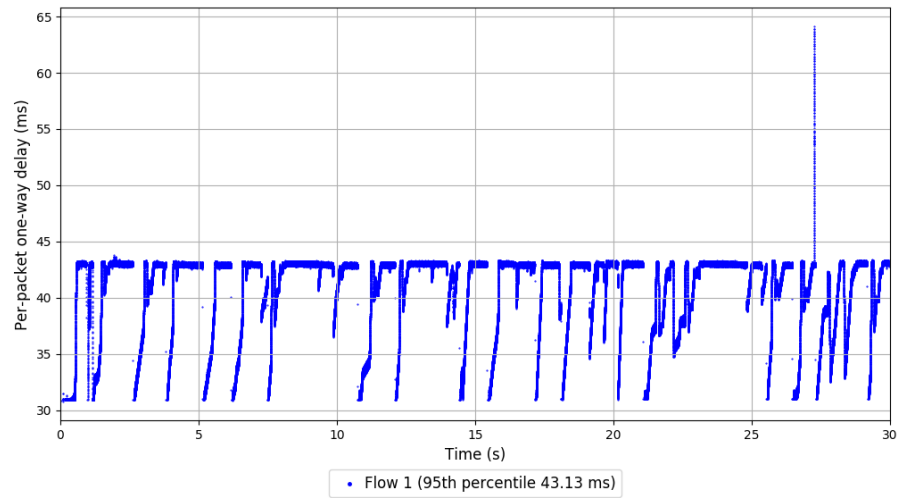
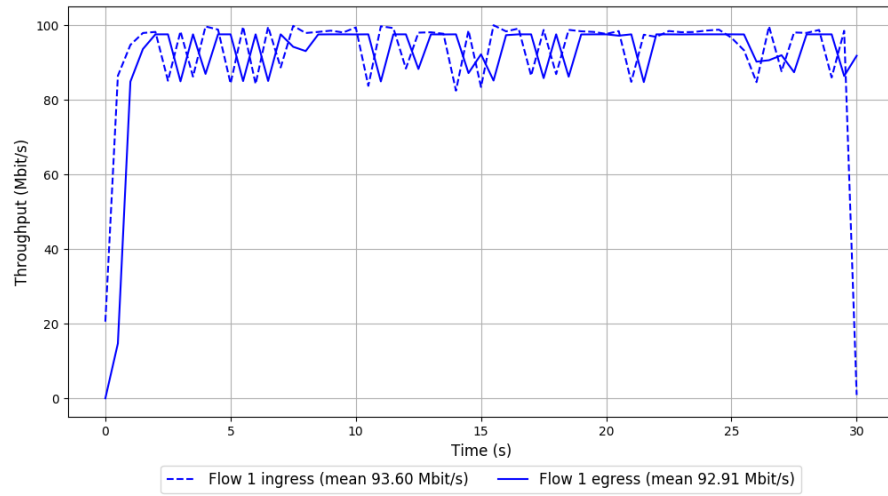
-- Flow 1:

Average throughput: 92.91 Mbit/s

95th percentile per-packet one-way delay: 43.135 ms

Loss rate: 0.96%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-24 23:51:36

End at: 2018-07-24 23:52:06

Local clock offset: -0.269 ms

Remote clock offset: 2.316 ms

Below is generated by plot.py at 2018-07-25 03:25:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.72 Mbit/s

95th percentile per-packet one-way delay: 40.967 ms

Loss rate: 0.30%

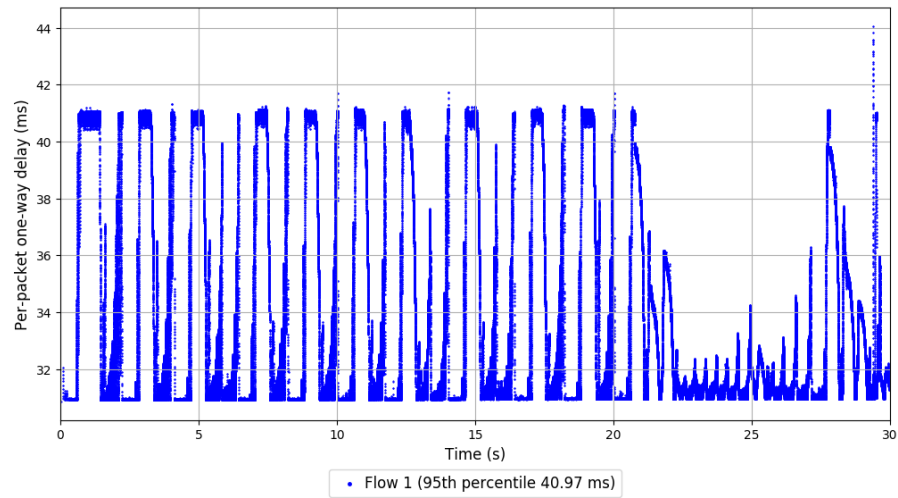
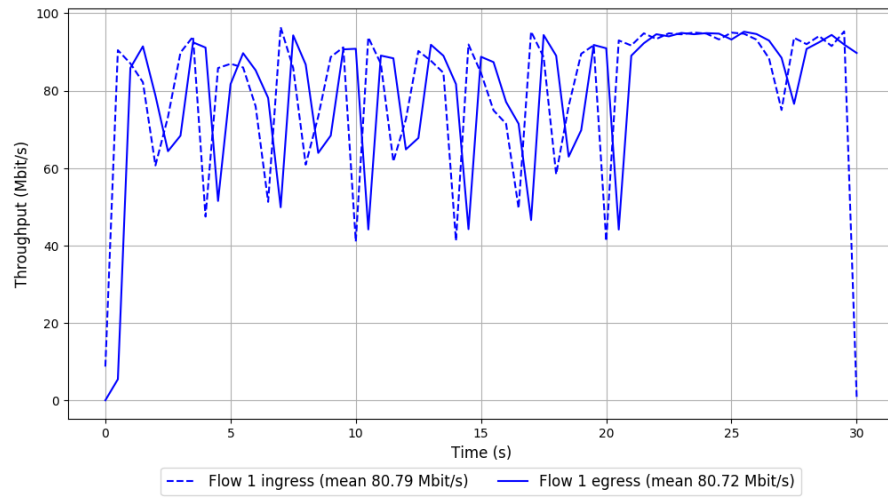
-- Flow 1:

Average throughput: 80.72 Mbit/s

95th percentile per-packet one-way delay: 40.967 ms

Loss rate: 0.30%

Run 1: Report of Copa — Data Link

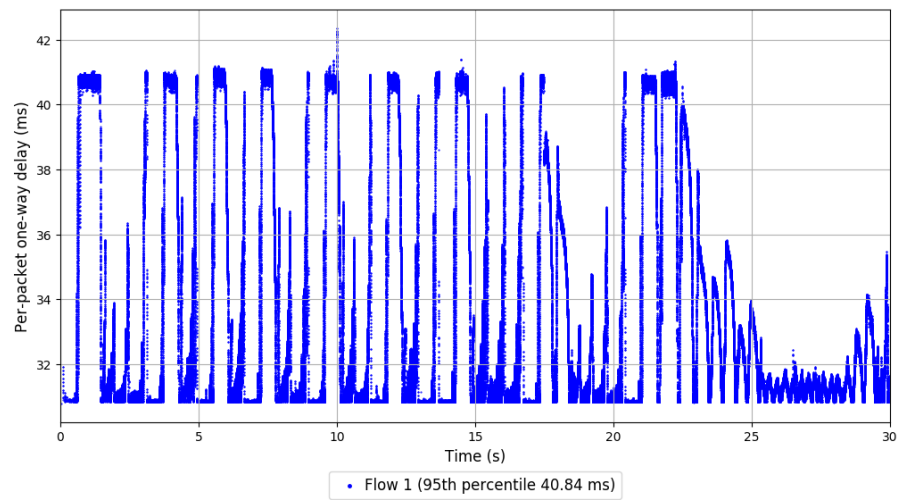
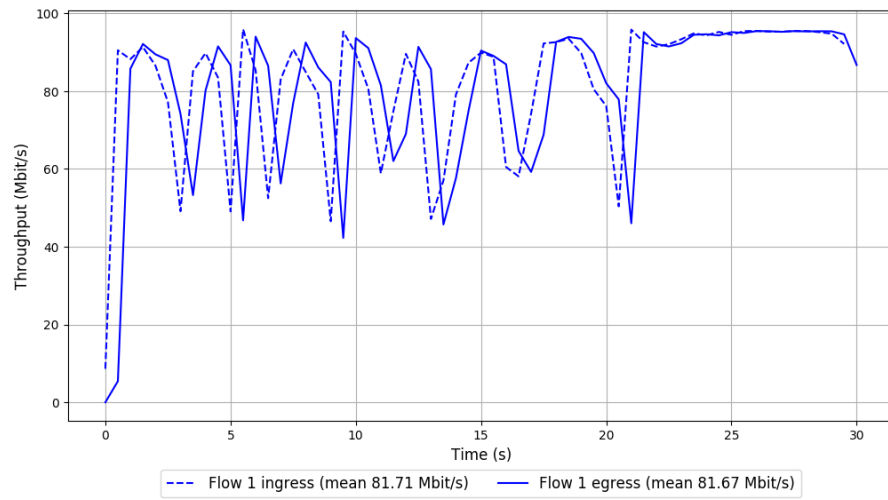


Run 2: Statistics of Copa

Start at: 2018-07-25 00:13:52
End at: 2018-07-25 00:14:22
Local clock offset: -0.271 ms
Remote clock offset: 2.341 ms

Below is generated by plot.py at 2018-07-25 03:25:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.67 Mbit/s
95th percentile per-packet one-way delay: 40.835 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 81.67 Mbit/s
95th percentile per-packet one-way delay: 40.835 ms
Loss rate: 0.27%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-25 00:36:06

End at: 2018-07-25 00:36:36

Local clock offset: -0.319 ms

Remote clock offset: 2.031 ms

Below is generated by plot.py at 2018-07-25 03:25:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.53 Mbit/s

95th percentile per-packet one-way delay: 40.849 ms

Loss rate: 0.32%

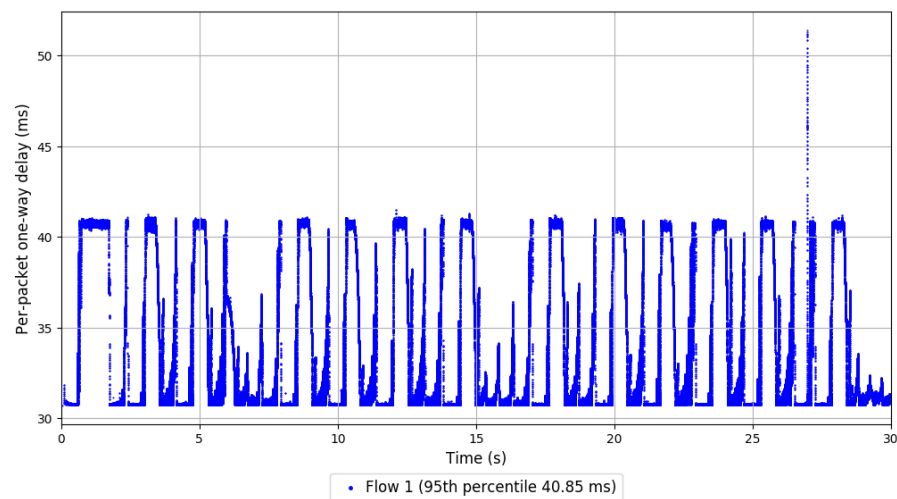
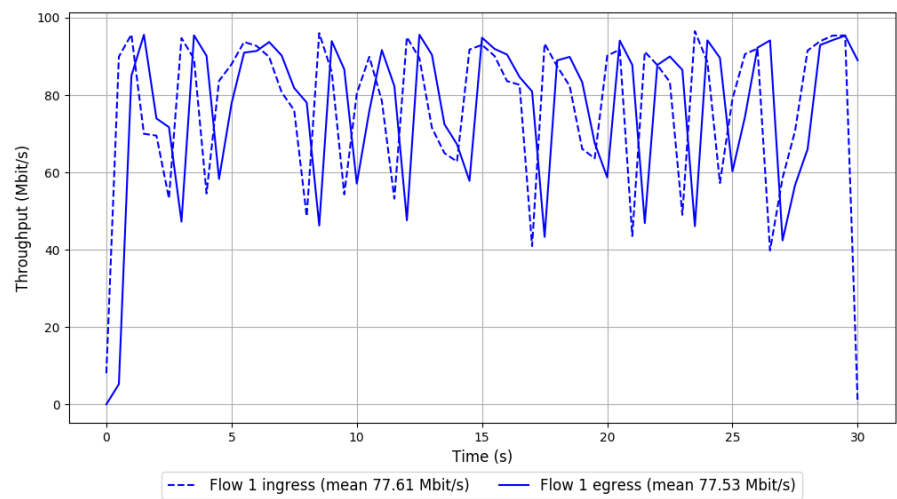
-- Flow 1:

Average throughput: 77.53 Mbit/s

95th percentile per-packet one-way delay: 40.849 ms

Loss rate: 0.32%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-25 00:58:22

End at: 2018-07-25 00:58:52

Local clock offset: -0.195 ms

Remote clock offset: 1.369 ms

Below is generated by plot.py at 2018-07-25 03:25:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.27 Mbit/s

95th percentile per-packet one-way delay: 40.927 ms

Loss rate: 0.28%

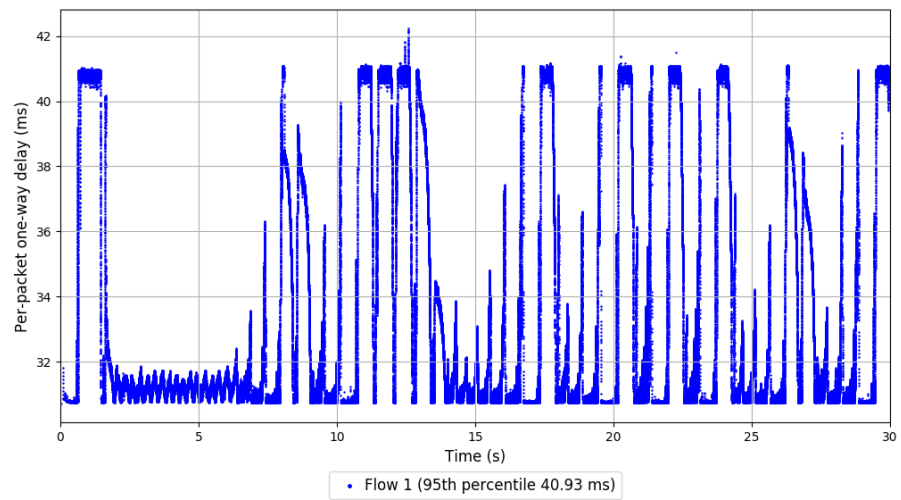
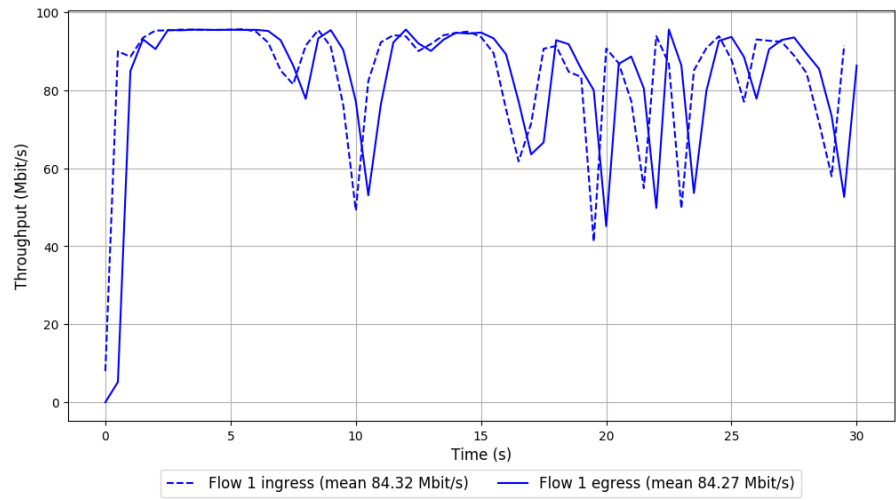
-- Flow 1:

Average throughput: 84.27 Mbit/s

95th percentile per-packet one-way delay: 40.927 ms

Loss rate: 0.28%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-25 01:20:45

End at: 2018-07-25 01:21:15

Local clock offset: 0.099 ms

Remote clock offset: 1.285 ms

Below is generated by plot.py at 2018-07-25 03:25:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.41 Mbit/s

95th percentile per-packet one-way delay: 40.926 ms

Loss rate: 0.33%

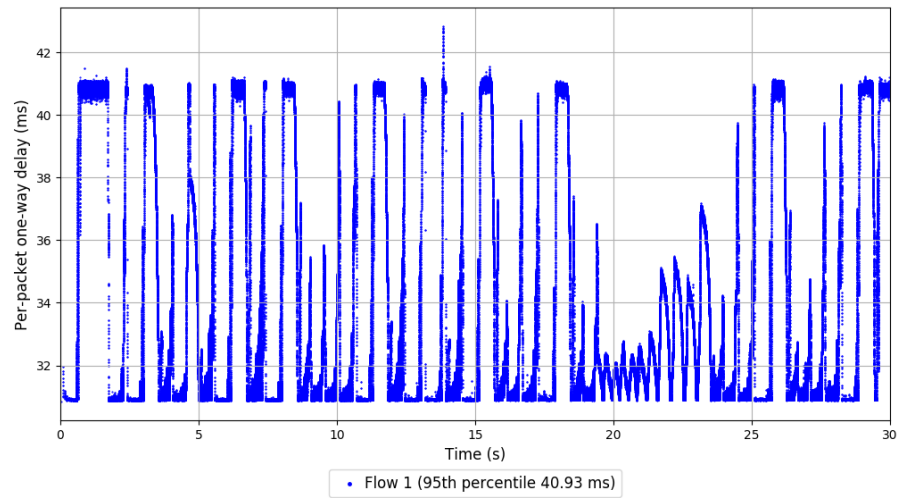
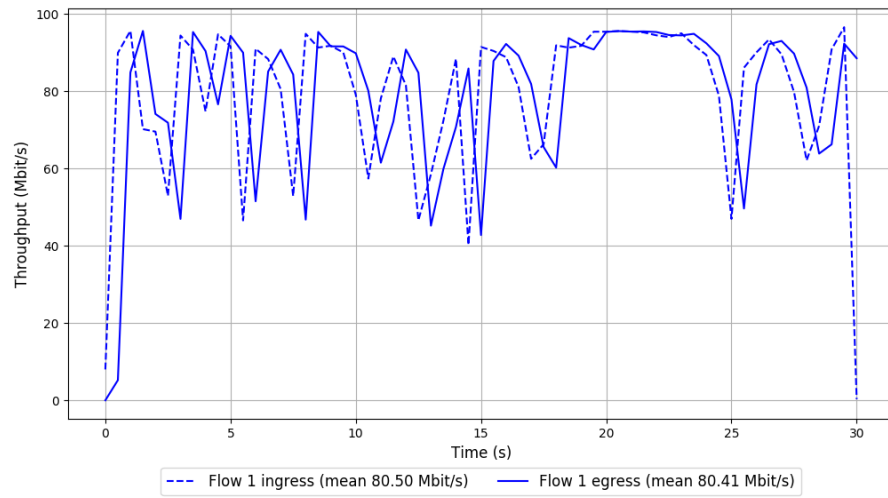
-- Flow 1:

Average throughput: 80.41 Mbit/s

95th percentile per-packet one-way delay: 40.926 ms

Loss rate: 0.33%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-25 01:43:10

End at: 2018-07-25 01:43:40

Local clock offset: 2.588 ms

Remote clock offset: 1.231 ms

Below is generated by plot.py at 2018-07-25 03:25:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.18 Mbit/s

95th percentile per-packet one-way delay: 40.871 ms

Loss rate: 0.24%

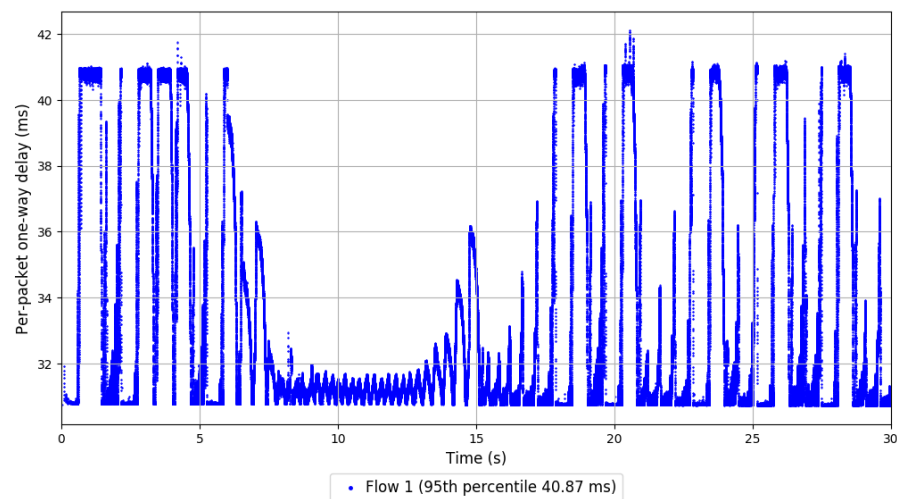
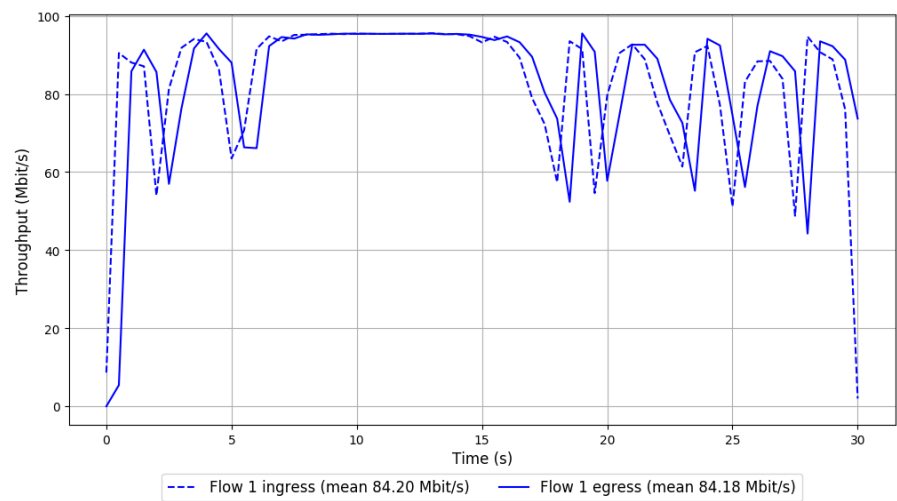
-- Flow 1:

Average throughput: 84.18 Mbit/s

95th percentile per-packet one-way delay: 40.871 ms

Loss rate: 0.24%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-25 02:05:30

End at: 2018-07-25 02:06:00

Local clock offset: 3.91 ms

Remote clock offset: 1.402 ms

Below is generated by plot.py at 2018-07-25 03:26:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.17 Mbit/s

95th percentile per-packet one-way delay: 40.769 ms

Loss rate: 0.30%

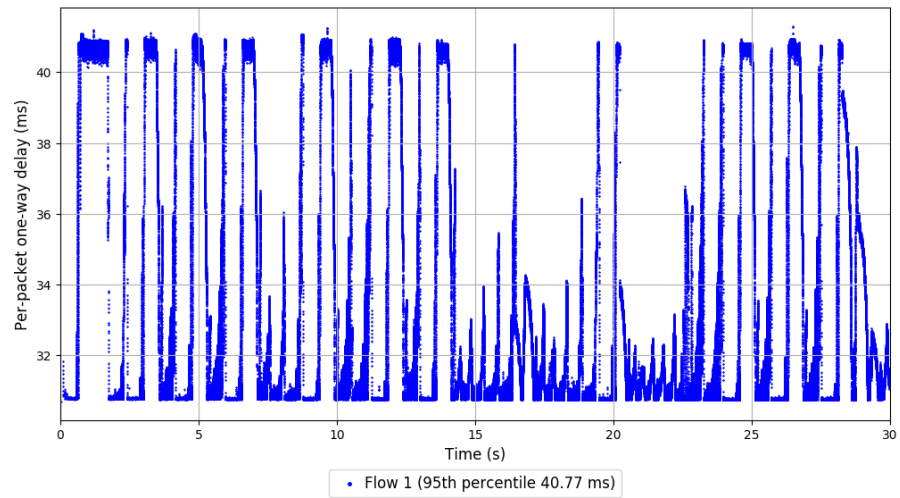
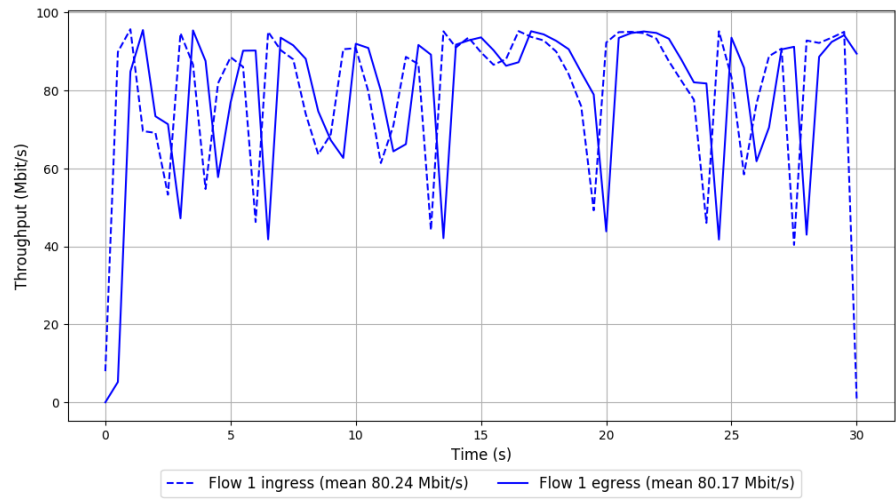
-- Flow 1:

Average throughput: 80.17 Mbit/s

95th percentile per-packet one-way delay: 40.769 ms

Loss rate: 0.30%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-25 02:27:43

End at: 2018-07-25 02:28:13

Local clock offset: 4.678 ms

Remote clock offset: 1.285 ms

Below is generated by plot.py at 2018-07-25 03:26:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.18 Mbit/s

95th percentile per-packet one-way delay: 40.860 ms

Loss rate: 0.27%

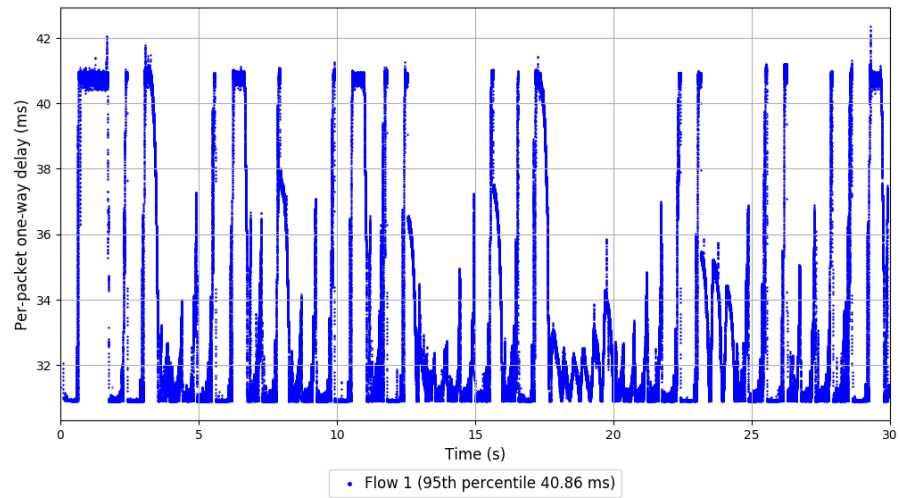
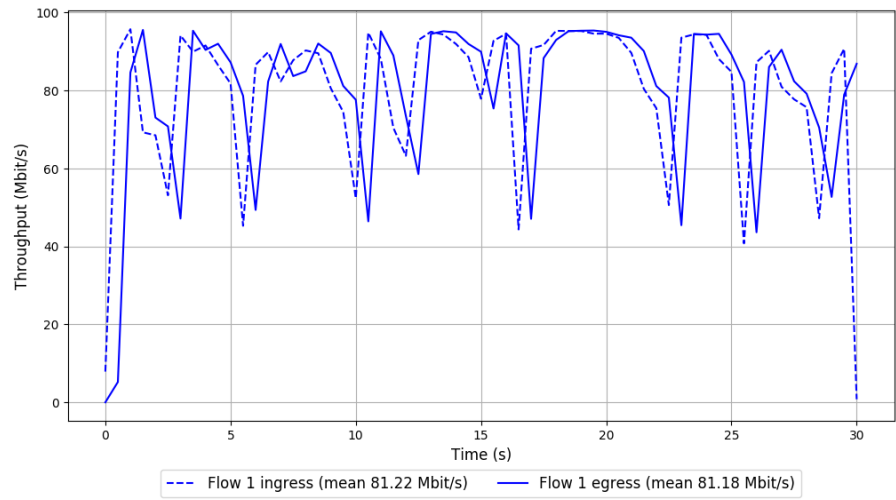
-- Flow 1:

Average throughput: 81.18 Mbit/s

95th percentile per-packet one-way delay: 40.860 ms

Loss rate: 0.27%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-25 02:50:09

End at: 2018-07-25 02:50:39

Local clock offset: 3.004 ms

Remote clock offset: 1.428 ms

Below is generated by plot.py at 2018-07-25 03:27:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.84 Mbit/s

95th percentile per-packet one-way delay: 40.771 ms

Loss rate: 0.19%

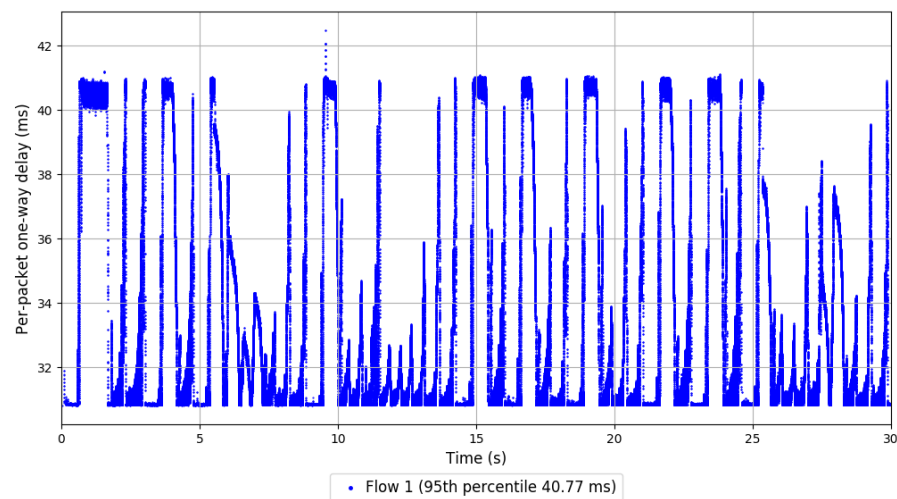
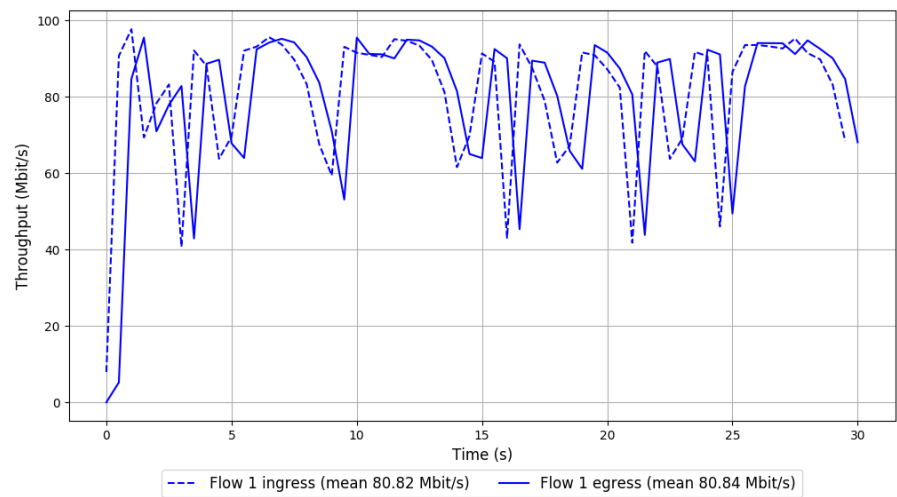
-- Flow 1:

Average throughput: 80.84 Mbit/s

95th percentile per-packet one-way delay: 40.771 ms

Loss rate: 0.19%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-25 03:12:22

End at: 2018-07-25 03:12:52

Local clock offset: 0.524 ms

Remote clock offset: 1.213 ms

Below is generated by plot.py at 2018-07-25 03:27:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.02 Mbit/s

95th percentile per-packet one-way delay: 40.973 ms

Loss rate: 0.29%

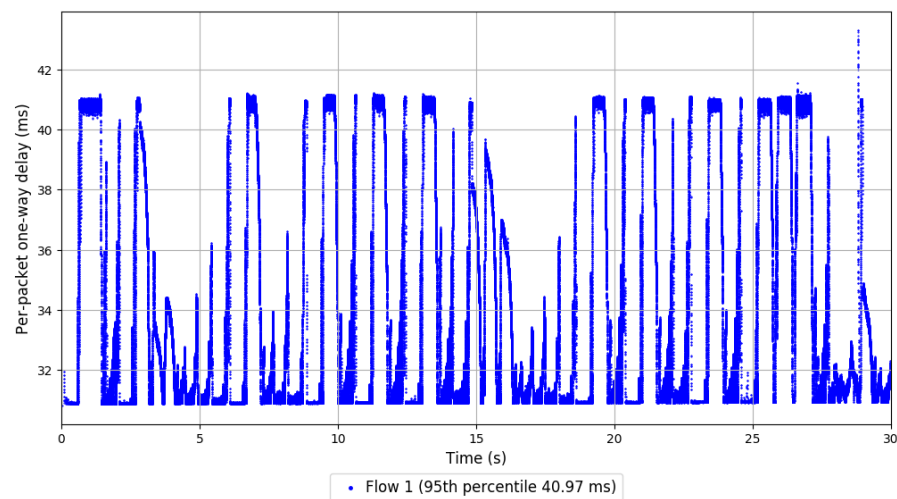
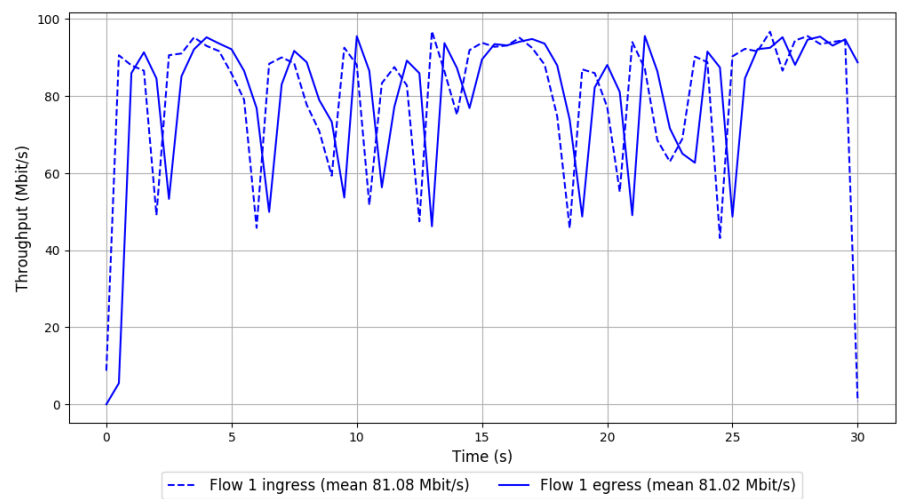
-- Flow 1:

Average throughput: 81.02 Mbit/s

95th percentile per-packet one-way delay: 40.973 ms

Loss rate: 0.29%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-24 23:56:54

End at: 2018-07-24 23:57:24

Local clock offset: -0.698 ms

Remote clock offset: 2.451 ms

Below is generated by plot.py at 2018-07-25 03:27:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.91 Mbit/s

95th percentile per-packet one-way delay: 37.344 ms

Loss rate: 0.27%

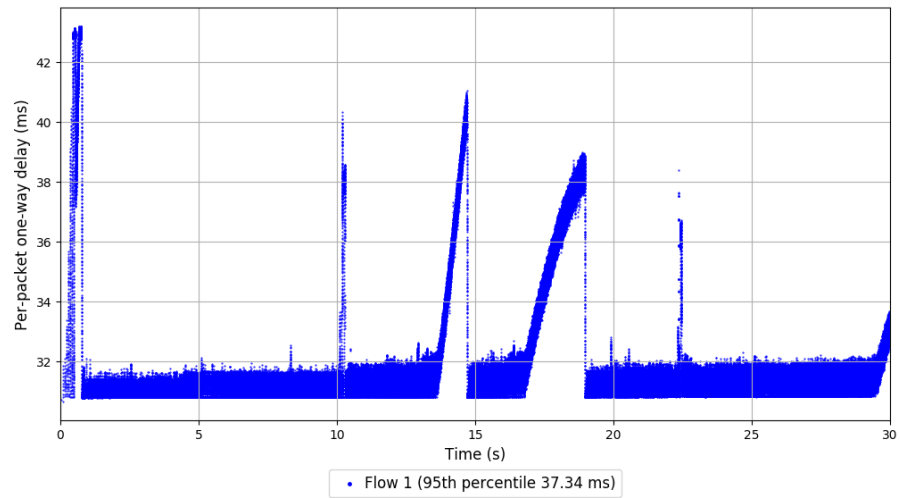
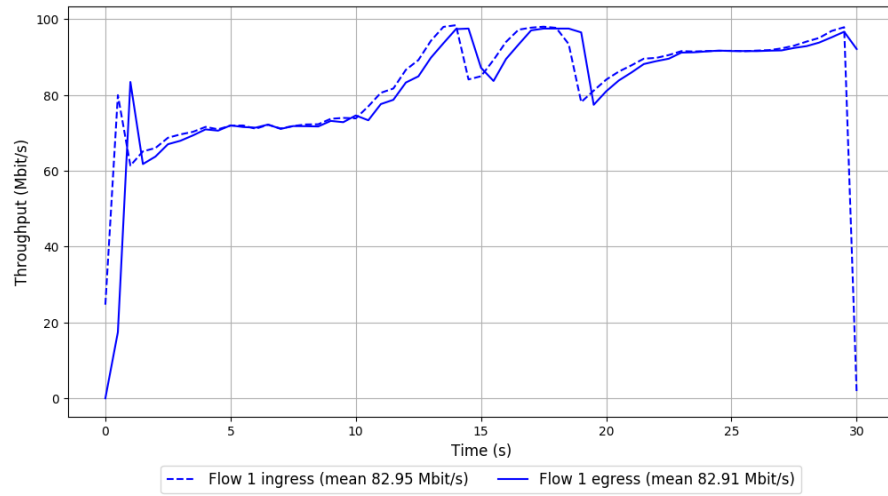
-- Flow 1:

Average throughput: 82.91 Mbit/s

95th percentile per-packet one-way delay: 37.344 ms

Loss rate: 0.27%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-25 00:19:09

End at: 2018-07-25 00:19:39

Local clock offset: -0.321 ms

Remote clock offset: 2.24 ms

Below is generated by plot.py at 2018-07-25 03:27:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.80 Mbit/s

95th percentile per-packet one-way delay: 37.146 ms

Loss rate: 0.27%

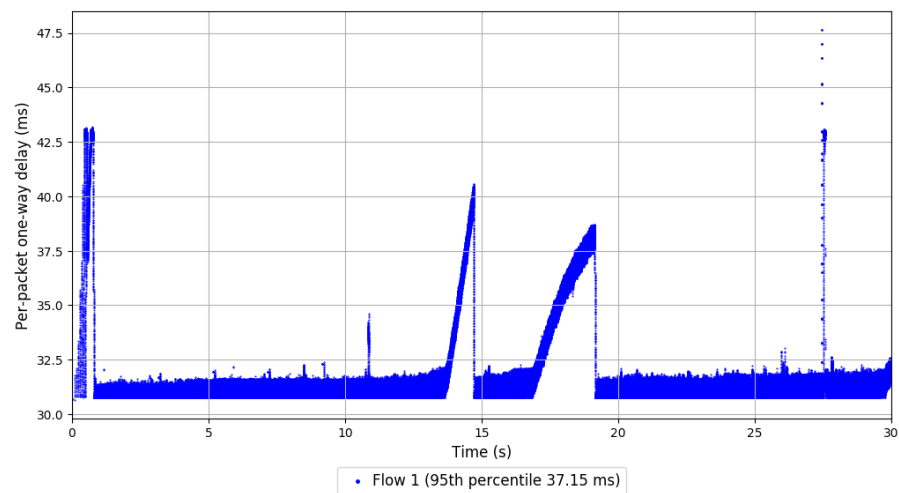
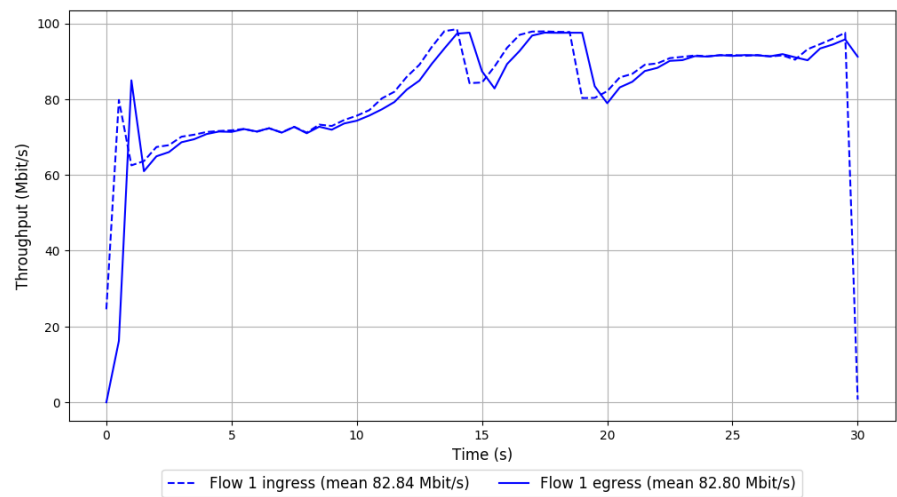
-- Flow 1:

Average throughput: 82.80 Mbit/s

95th percentile per-packet one-way delay: 37.146 ms

Loss rate: 0.27%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-25 00:41:25

End at: 2018-07-25 00:41:55

Local clock offset: -0.183 ms

Remote clock offset: 2.083 ms

Below is generated by plot.py at 2018-07-25 03:27:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.47 Mbit/s

95th percentile per-packet one-way delay: 37.161 ms

Loss rate: 0.26%

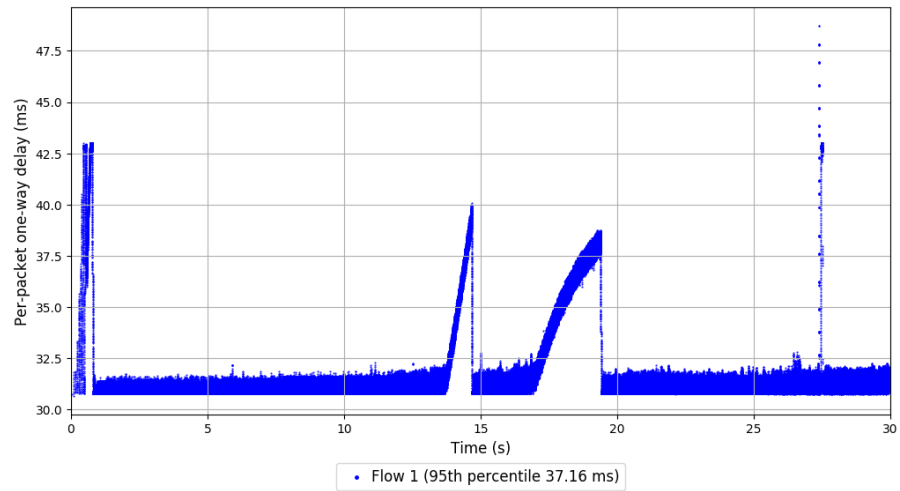
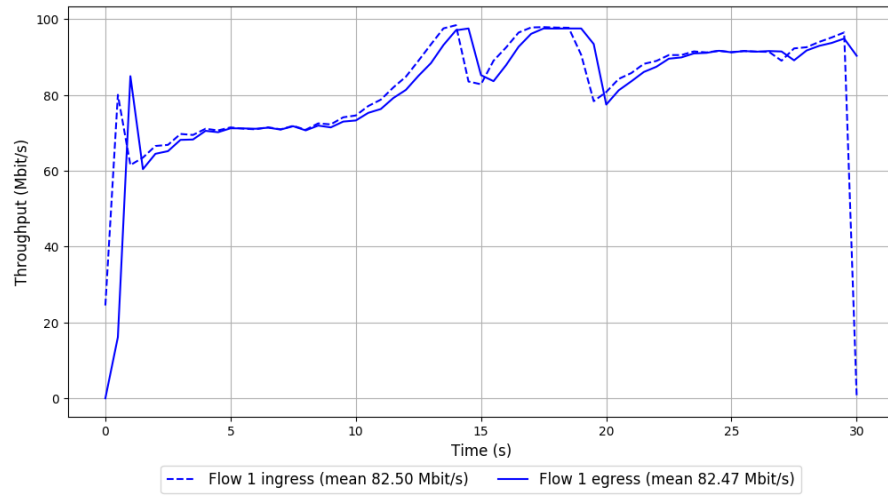
-- Flow 1:

Average throughput: 82.47 Mbit/s

95th percentile per-packet one-way delay: 37.161 ms

Loss rate: 0.26%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-25 01:03:38

End at: 2018-07-25 01:04:08

Local clock offset: -0.132 ms

Remote clock offset: 1.346 ms

Below is generated by plot.py at 2018-07-25 03:27:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.01 Mbit/s

95th percentile per-packet one-way delay: 37.347 ms

Loss rate: 0.26%

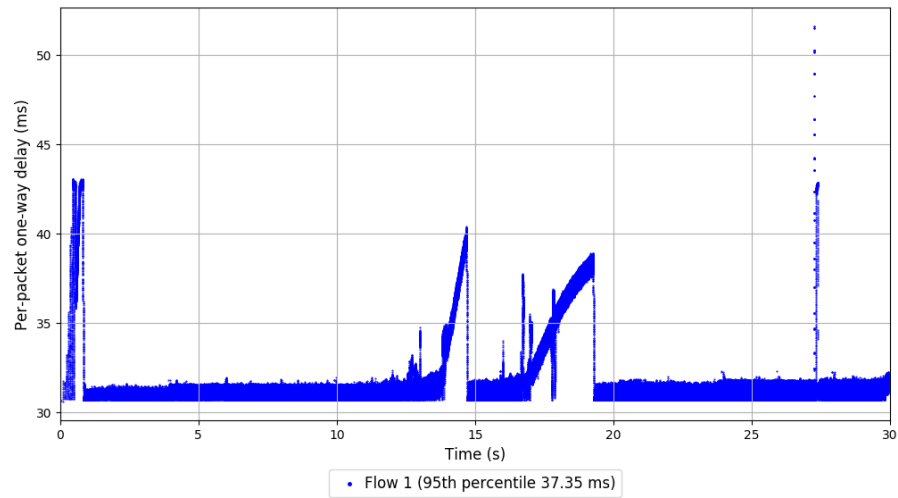
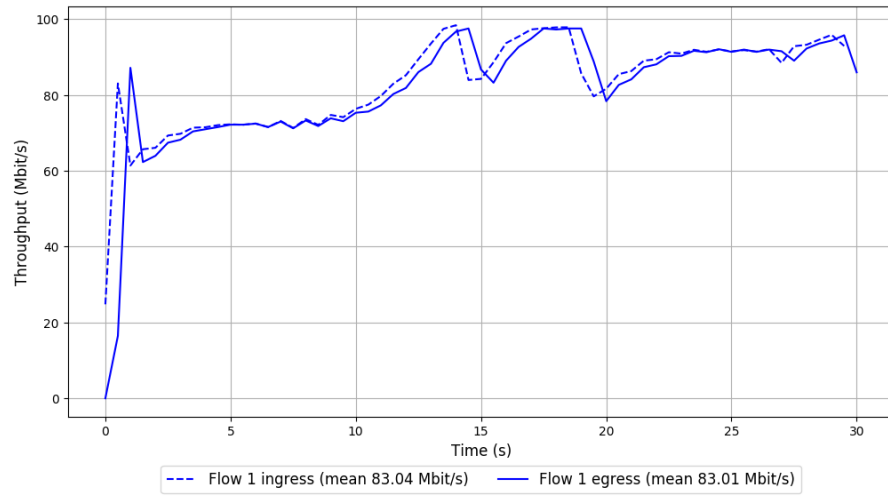
-- Flow 1:

Average throughput: 83.01 Mbit/s

95th percentile per-packet one-way delay: 37.347 ms

Loss rate: 0.26%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-25 01:26:03

End at: 2018-07-25 01:26:33

Local clock offset: 0.079 ms

Remote clock offset: 1.31 ms

Below is generated by plot.py at 2018-07-25 03:27:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.72 Mbit/s

95th percentile per-packet one-way delay: 37.379 ms

Loss rate: 0.26%

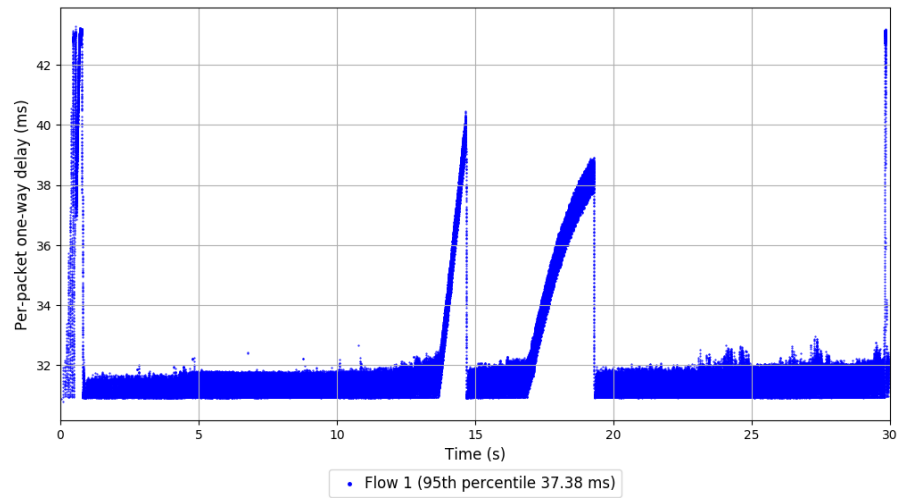
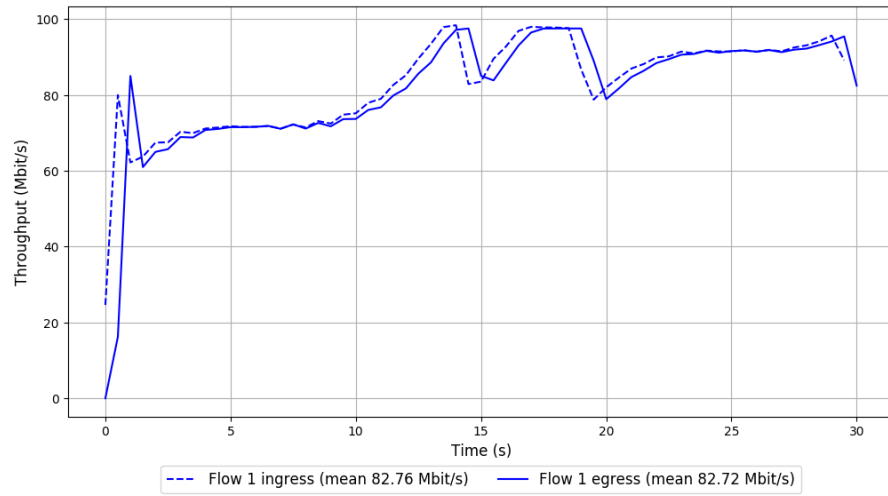
-- Flow 1:

Average throughput: 82.72 Mbit/s

95th percentile per-packet one-way delay: 37.379 ms

Loss rate: 0.26%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-25 01:48:29

End at: 2018-07-25 01:48:59

Local clock offset: 3.113 ms

Remote clock offset: 1.212 ms

Below is generated by plot.py at 2018-07-25 03:27:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.35 Mbit/s

95th percentile per-packet one-way delay: 37.183 ms

Loss rate: 0.26%

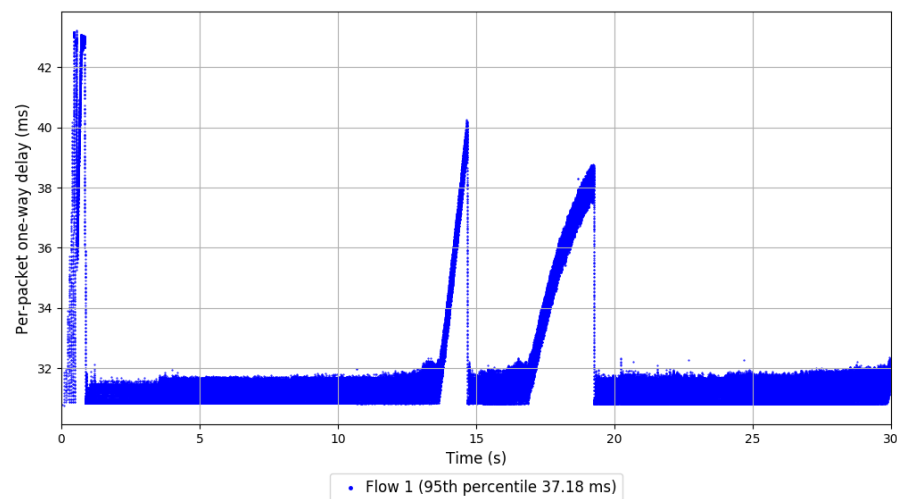
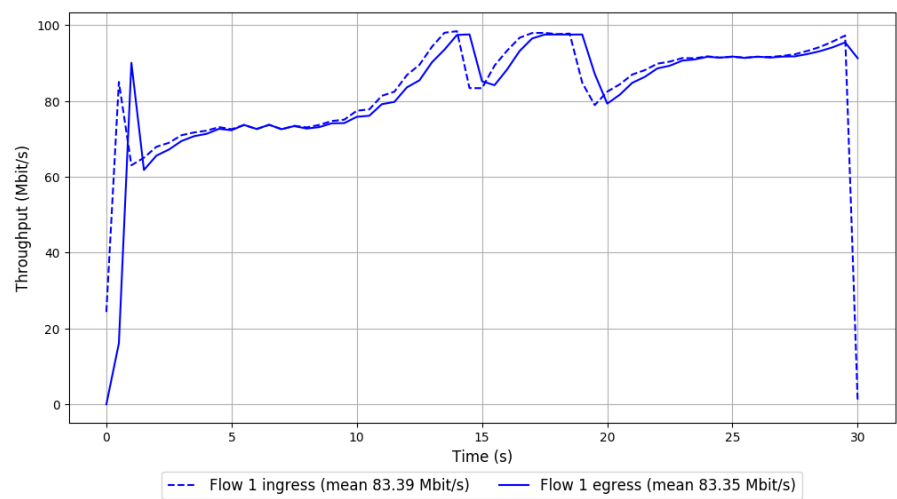
-- Flow 1:

Average throughput: 83.35 Mbit/s

95th percentile per-packet one-way delay: 37.183 ms

Loss rate: 0.26%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-25 02:10:47

End at: 2018-07-25 02:11:17

Local clock offset: 4.196 ms

Remote clock offset: 1.385 ms

Below is generated by plot.py at 2018-07-25 03:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.72 Mbit/s

95th percentile per-packet one-way delay: 37.170 ms

Loss rate: 0.26%

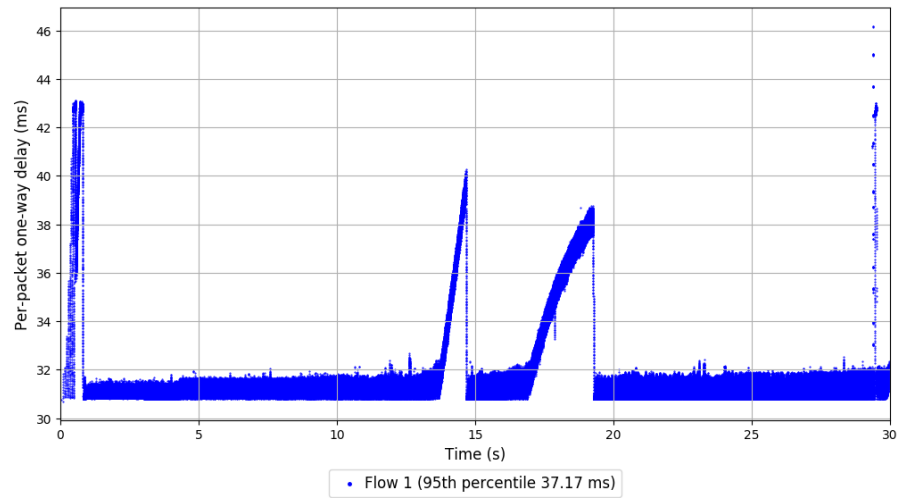
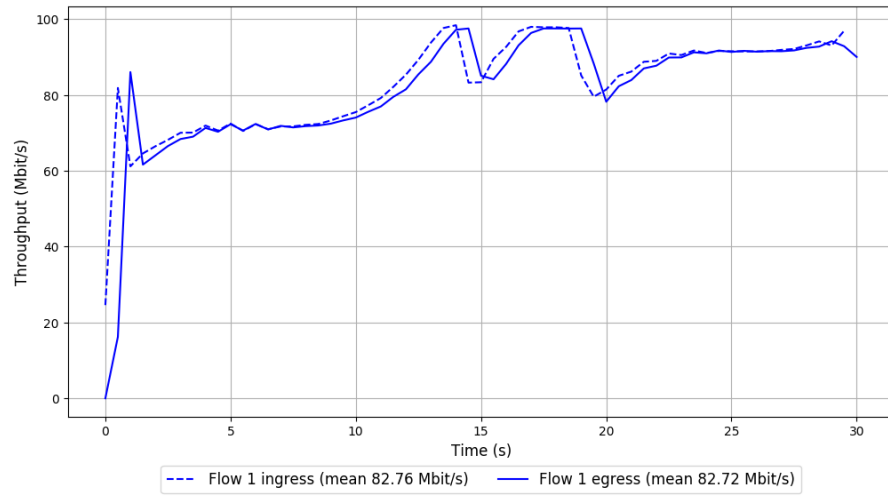
-- Flow 1:

Average throughput: 82.72 Mbit/s

95th percentile per-packet one-way delay: 37.170 ms

Loss rate: 0.26%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-25 02:33:03

End at: 2018-07-25 02:33:33

Local clock offset: 4.487 ms

Remote clock offset: 1.387 ms

Below is generated by plot.py at 2018-07-25 03:27:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.88 Mbit/s

95th percentile per-packet one-way delay: 37.342 ms

Loss rate: 0.25%

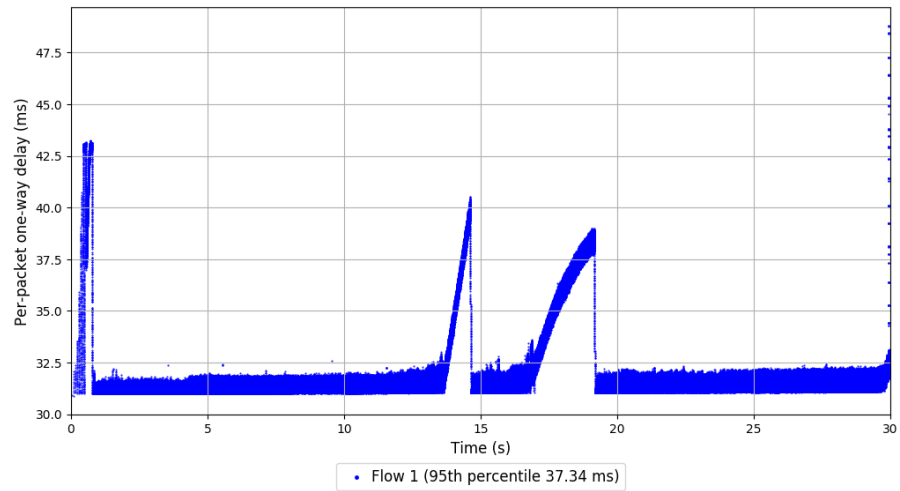
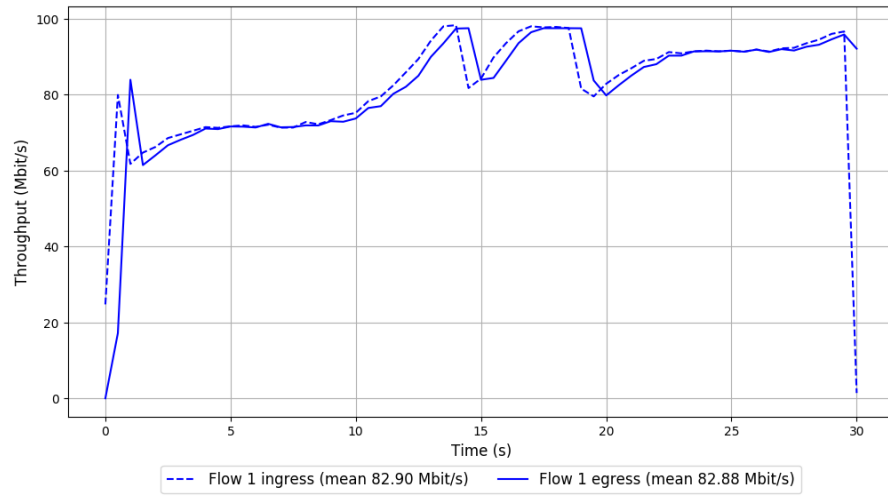
-- Flow 1:

Average throughput: 82.88 Mbit/s

95th percentile per-packet one-way delay: 37.342 ms

Loss rate: 0.25%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-25 02:55:25

End at: 2018-07-25 02:55:55

Local clock offset: 2.839 ms

Remote clock offset: 1.392 ms

Below is generated by plot.py at 2018-07-25 03:27:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.85 Mbit/s

95th percentile per-packet one-way delay: 37.412 ms

Loss rate: 0.26%

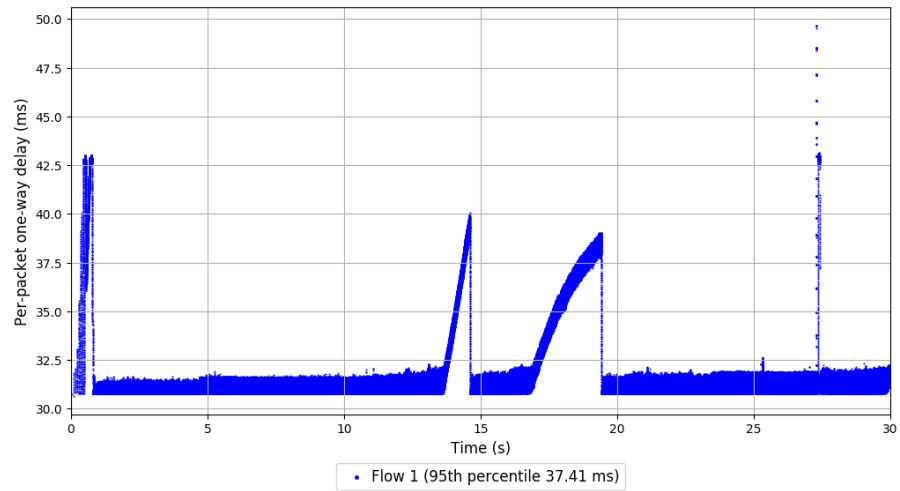
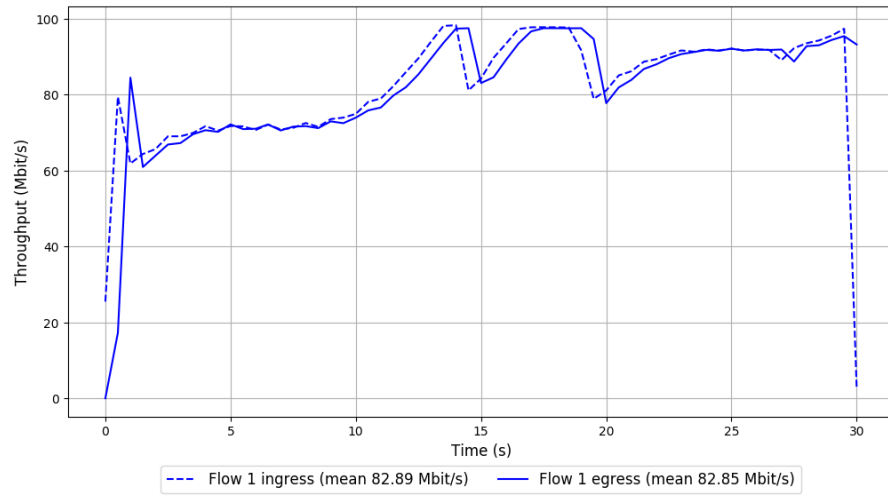
-- Flow 1:

Average throughput: 82.85 Mbit/s

95th percentile per-packet one-way delay: 37.412 ms

Loss rate: 0.26%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-25 03:17:40

End at: 2018-07-25 03:18:10

Local clock offset: -0.154 ms

Remote clock offset: 1.189 ms

Below is generated by plot.py at 2018-07-25 03:27:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.63 Mbit/s

95th percentile per-packet one-way delay: 37.330 ms

Loss rate: 0.26%

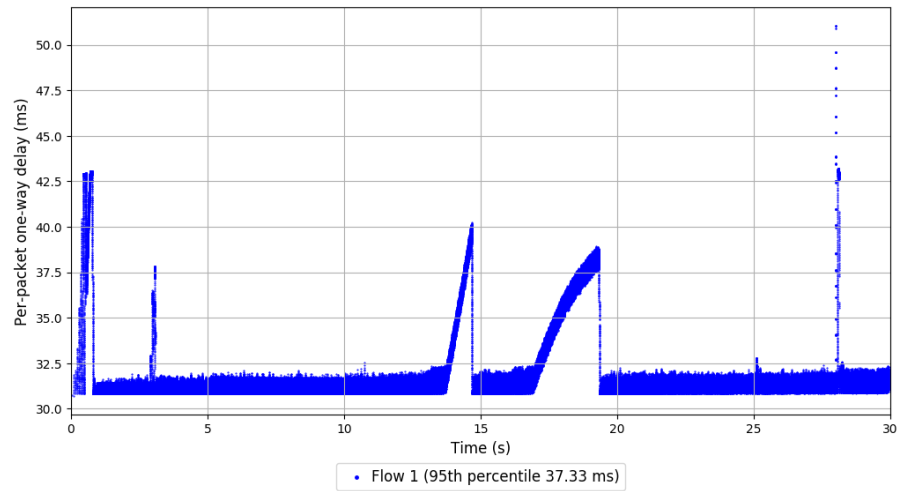
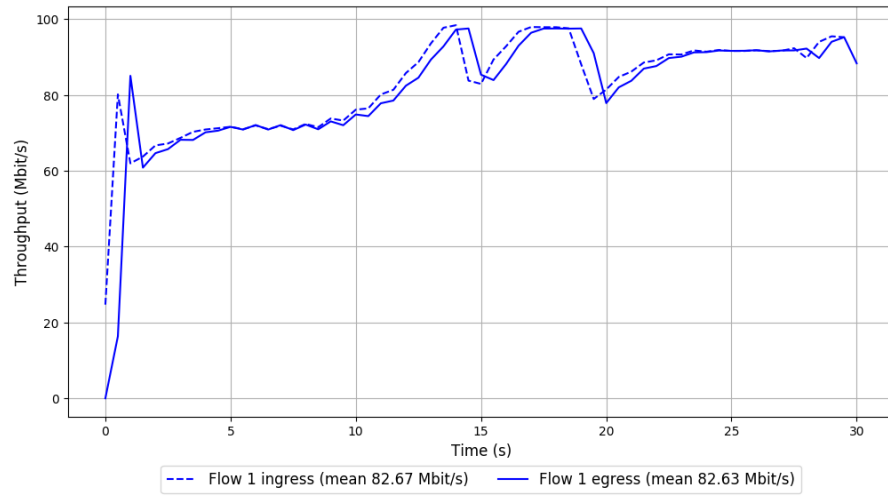
-- Flow 1:

Average throughput: 82.63 Mbit/s

95th percentile per-packet one-way delay: 37.330 ms

Loss rate: 0.26%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-24 23:41:08

End at: 2018-07-24 23:41:38

Local clock offset: 0.723 ms

Remote clock offset: 2.157 ms

Below is generated by plot.py at 2018-07-25 03:28:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.77 Mbit/s

95th percentile per-packet one-way delay: 41.357 ms

Loss rate: 0.26%

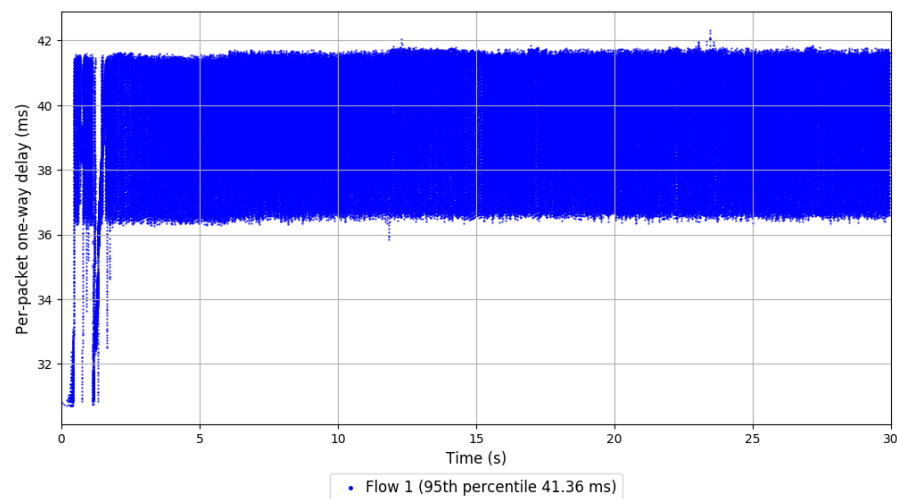
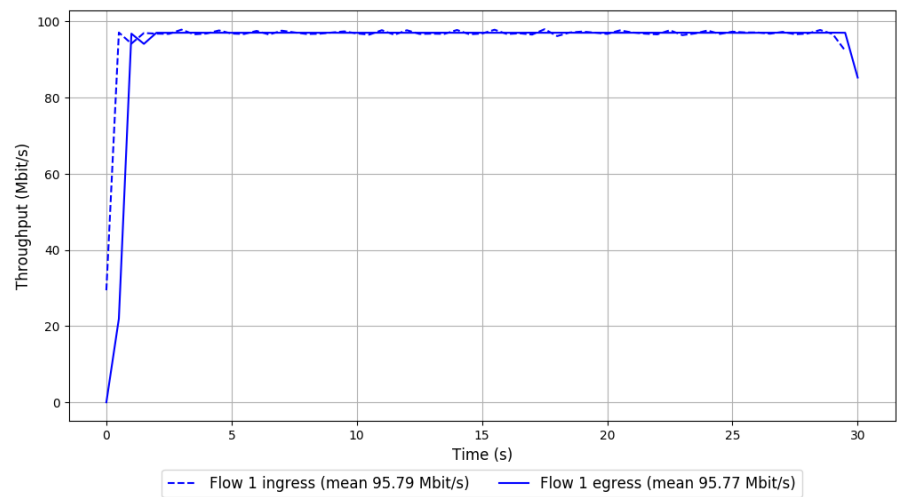
-- Flow 1:

Average throughput: 95.77 Mbit/s

95th percentile per-packet one-way delay: 41.357 ms

Loss rate: 0.26%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-25 00:03:25

End at: 2018-07-25 00:03:55

Local clock offset: -0.695 ms

Remote clock offset: 2.703 ms

Below is generated by plot.py at 2018-07-25 03:28:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 41.218 ms

Loss rate: 0.25%

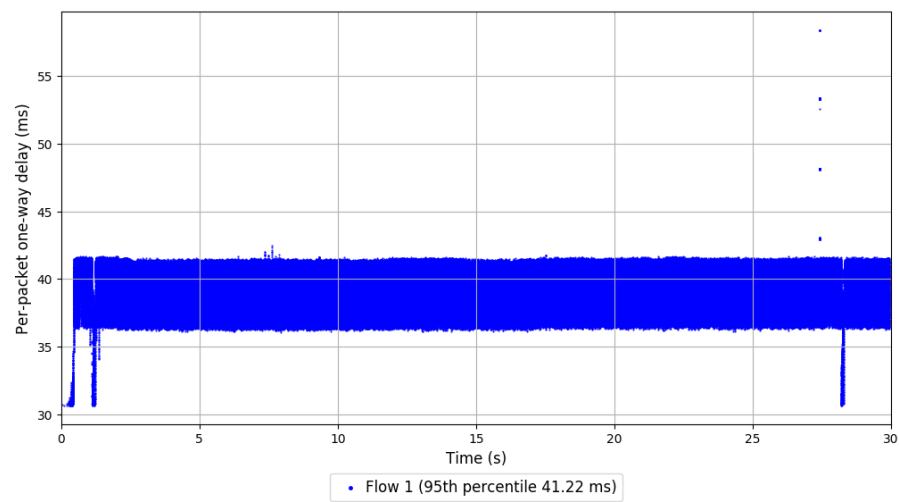
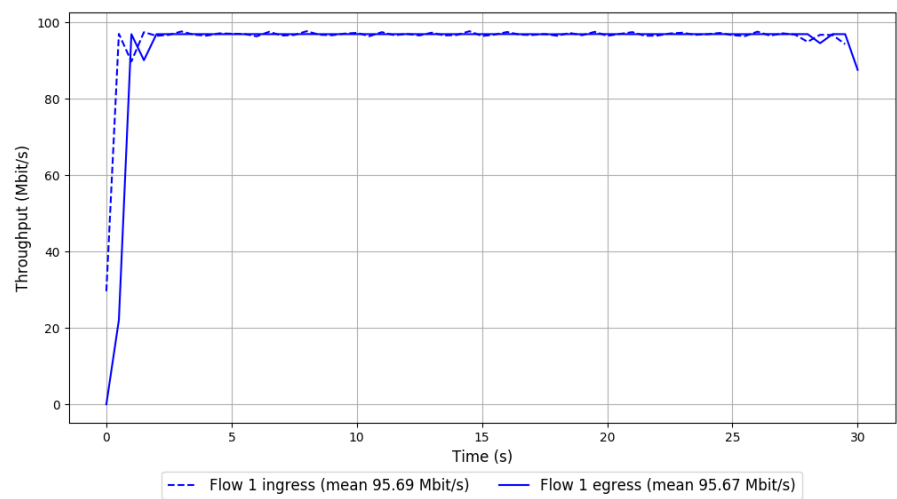
-- Flow 1:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 41.218 ms

Loss rate: 0.25%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-25 00:25:39

End at: 2018-07-25 00:26:09

Local clock offset: -0.378 ms

Remote clock offset: 2.1 ms

Below is generated by plot.py at 2018-07-25 03:28:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 41.333 ms

Loss rate: 0.26%

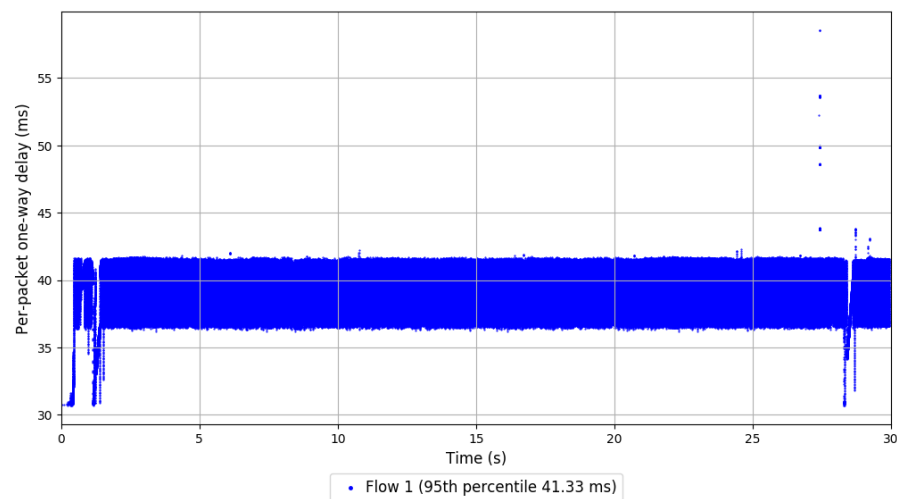
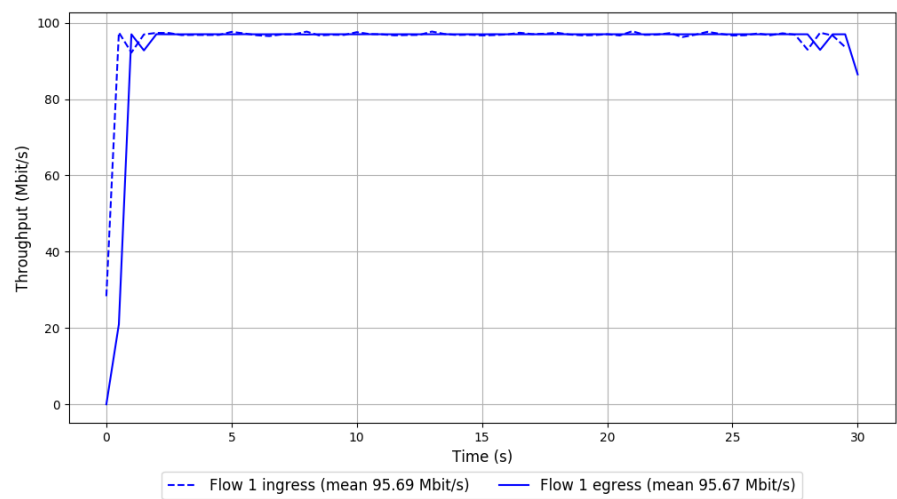
-- Flow 1:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 41.333 ms

Loss rate: 0.26%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-25 00:47:56

End at: 2018-07-25 00:48:26

Local clock offset: -0.052 ms

Remote clock offset: 1.691 ms

Below is generated by plot.py at 2018-07-25 03:28:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 41.195 ms

Loss rate: 0.24%

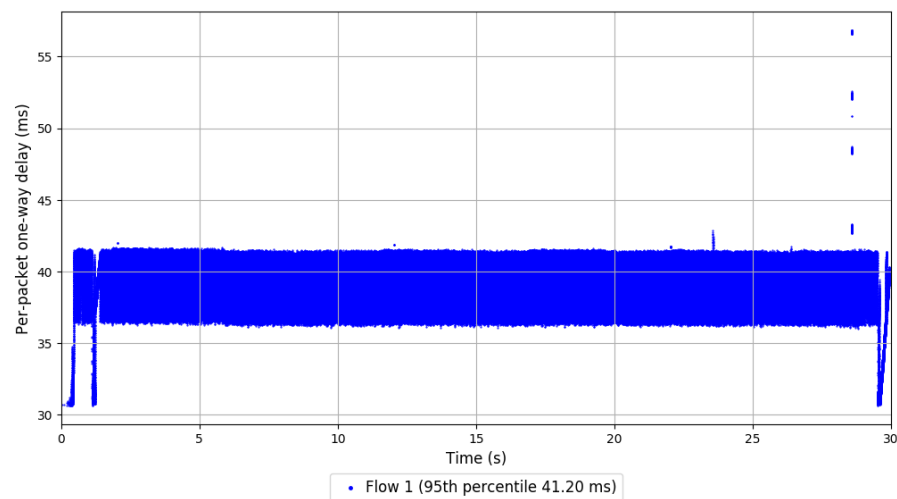
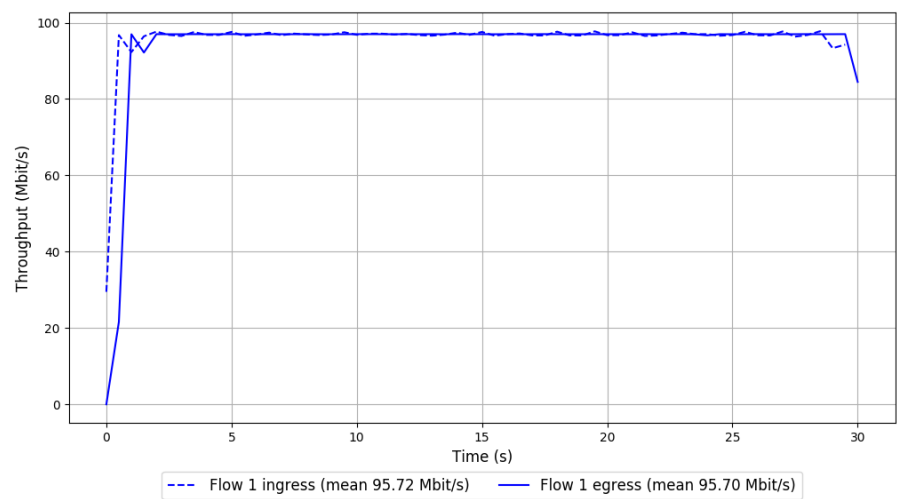
-- Flow 1:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 41.195 ms

Loss rate: 0.24%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-25 01:10:10

End at: 2018-07-25 01:10:40

Local clock offset: 0.01 ms

Remote clock offset: 1.282 ms

Below is generated by plot.py at 2018-07-25 03:28:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.75 Mbit/s

95th percentile per-packet one-way delay: 41.249 ms

Loss rate: 0.24%

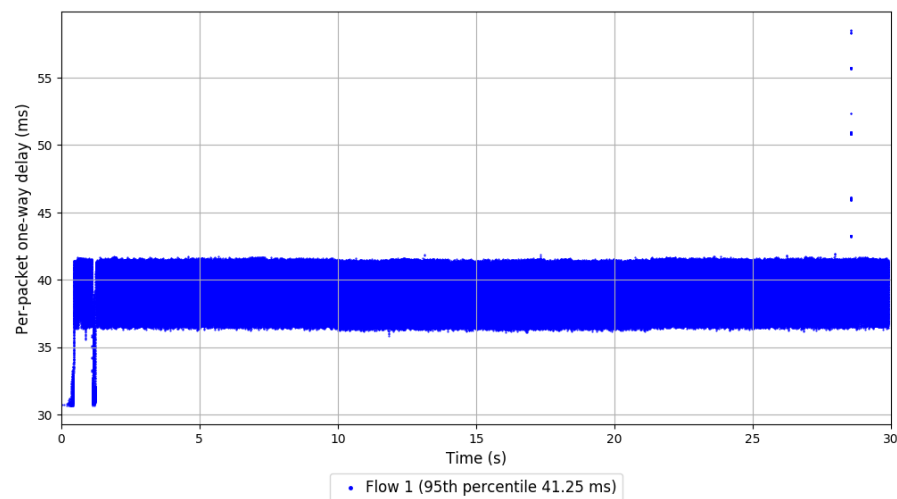
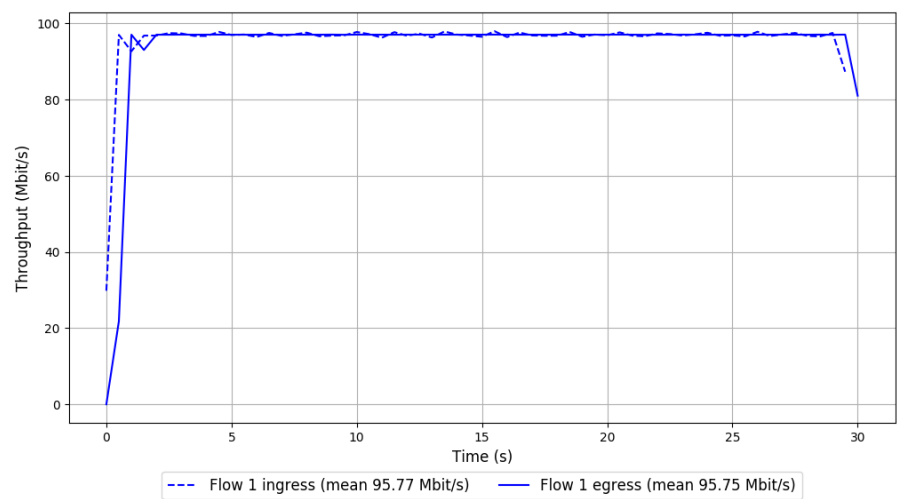
-- Flow 1:

Average throughput: 95.75 Mbit/s

95th percentile per-packet one-way delay: 41.249 ms

Loss rate: 0.24%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-25 01:32:35

End at: 2018-07-25 01:33:05

Local clock offset: 0.354 ms

Remote clock offset: 1.326 ms

Below is generated by plot.py at 2018-07-25 03:28:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.76 Mbit/s

95th percentile per-packet one-way delay: 41.040 ms

Loss rate: 0.25%

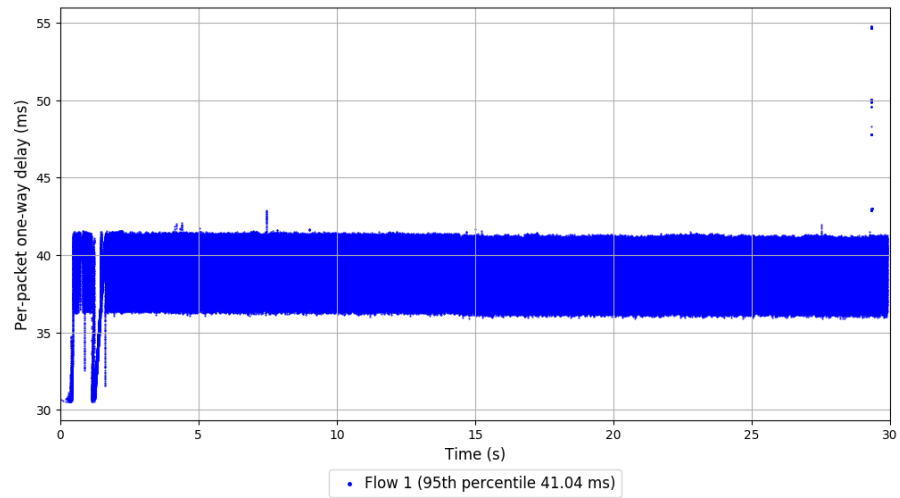
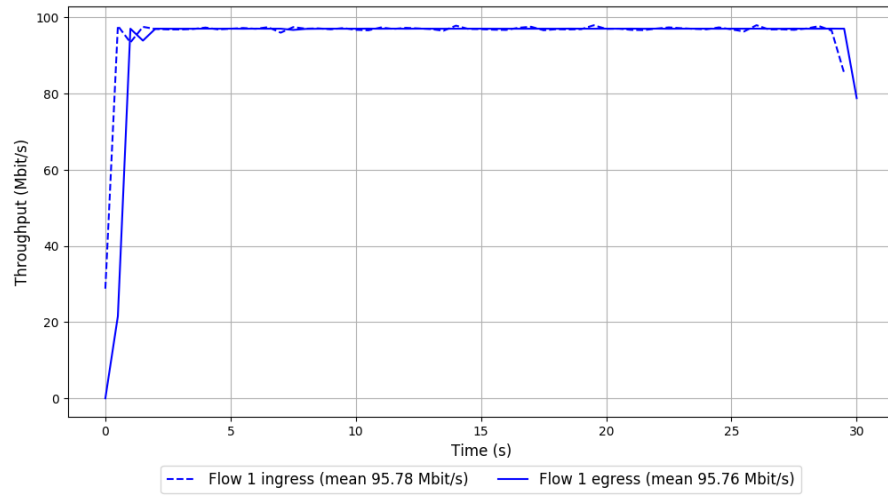
-- Flow 1:

Average throughput: 95.76 Mbit/s

95th percentile per-packet one-way delay: 41.040 ms

Loss rate: 0.25%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-25 01:55:01

End at: 2018-07-25 01:55:31

Local clock offset: 3.44 ms

Remote clock offset: 1.358 ms

Below is generated by plot.py at 2018-07-25 03:28:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 41.199 ms

Loss rate: 0.25%

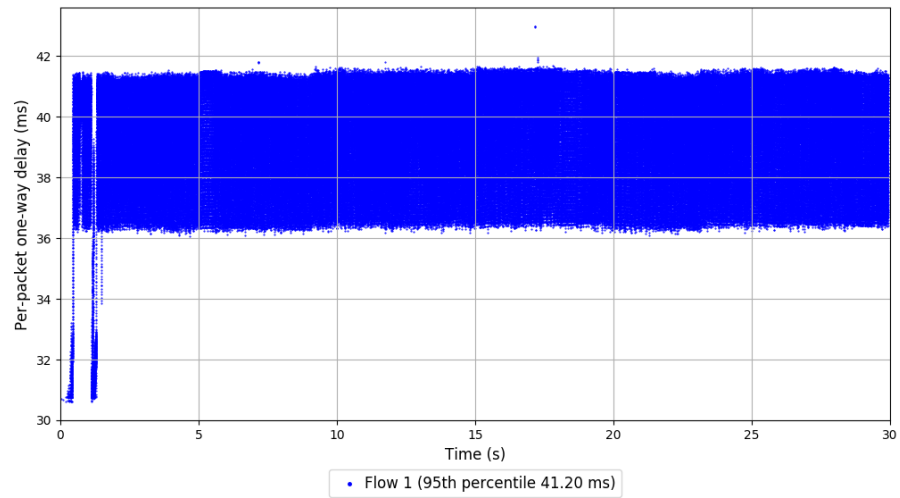
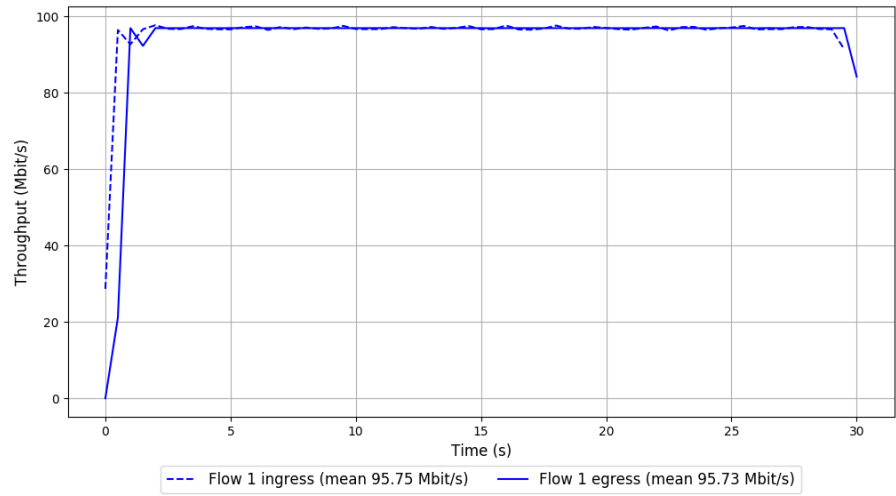
-- Flow 1:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 41.199 ms

Loss rate: 0.25%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-25 02:17:17

End at: 2018-07-25 02:17:47

Local clock offset: 4.406 ms

Remote clock offset: 1.33 ms

Below is generated by plot.py at 2018-07-25 03:29:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 41.188 ms

Loss rate: 0.25%

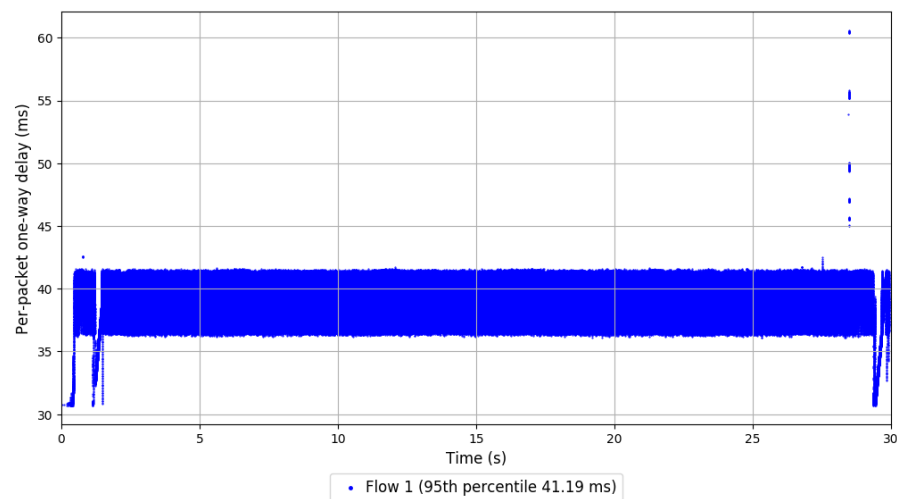
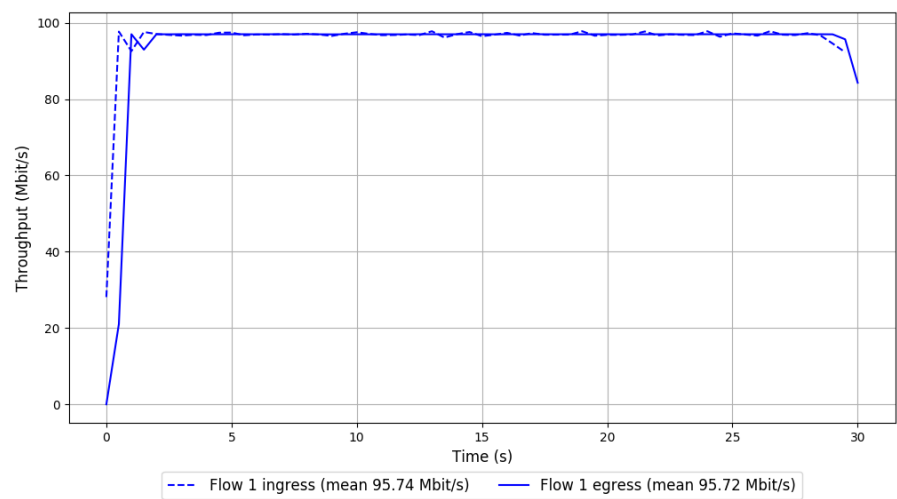
-- Flow 1:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 41.188 ms

Loss rate: 0.25%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-25 02:39:35

End at: 2018-07-25 02:40:05

Local clock offset: 3.666 ms

Remote clock offset: 1.444 ms

Below is generated by plot.py at 2018-07-25 03:30:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.68 Mbit/s

95th percentile per-packet one-way delay: 41.297 ms

Loss rate: 0.25%

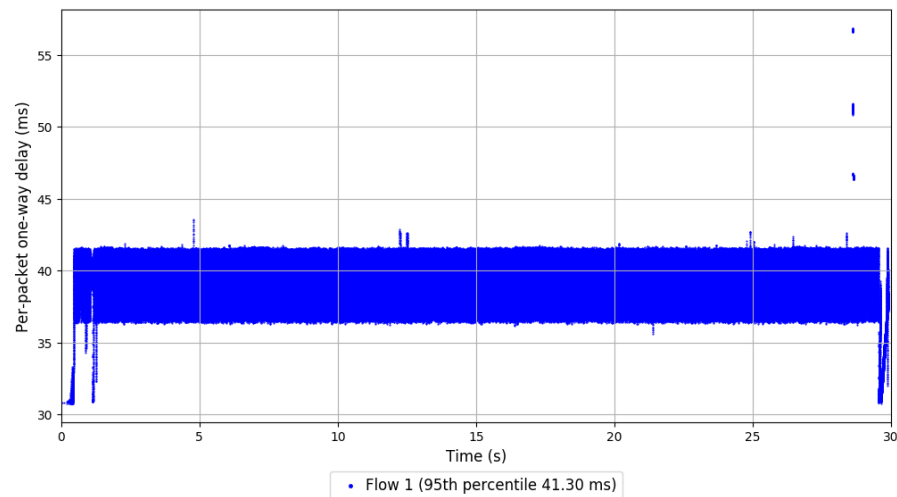
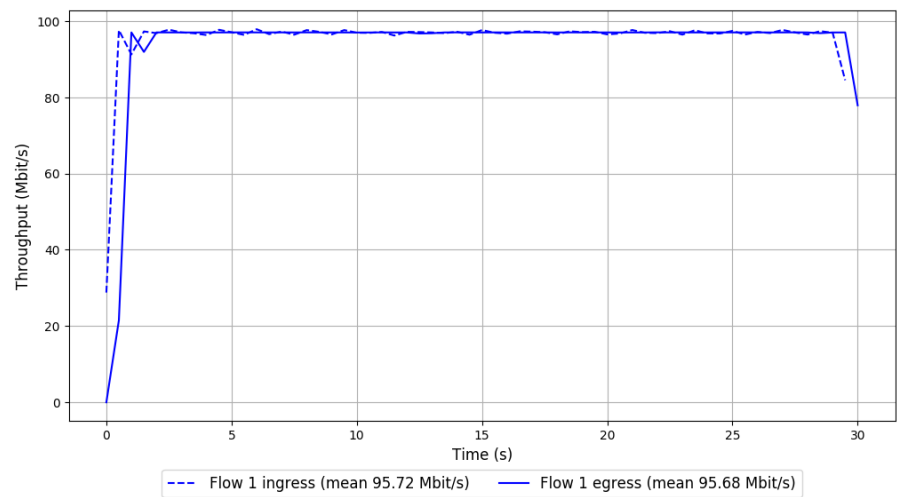
-- Flow 1:

Average throughput: 95.68 Mbit/s

95th percentile per-packet one-way delay: 41.297 ms

Loss rate: 0.25%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-25 03:01:55

End at: 2018-07-25 03:02:25

Local clock offset: 2.734 ms

Remote clock offset: 1.341 ms

Below is generated by plot.py at 2018-07-25 03:30:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 41.540 ms

Loss rate: 0.25%

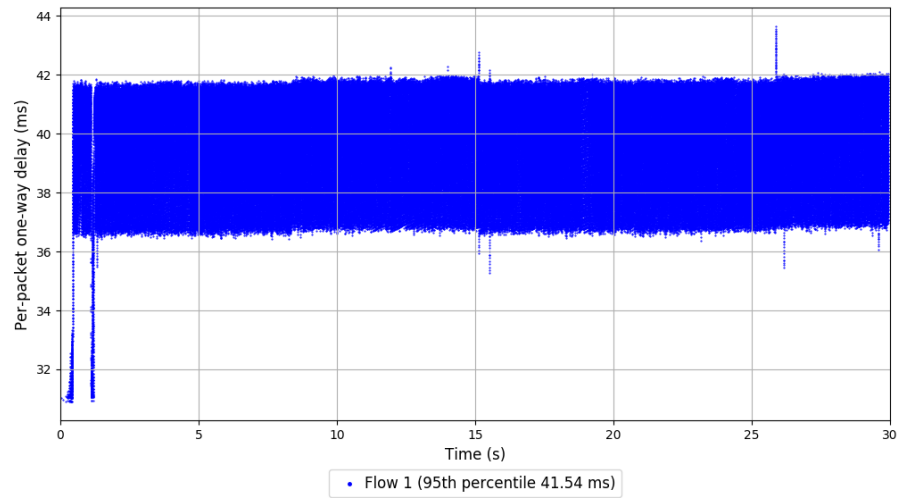
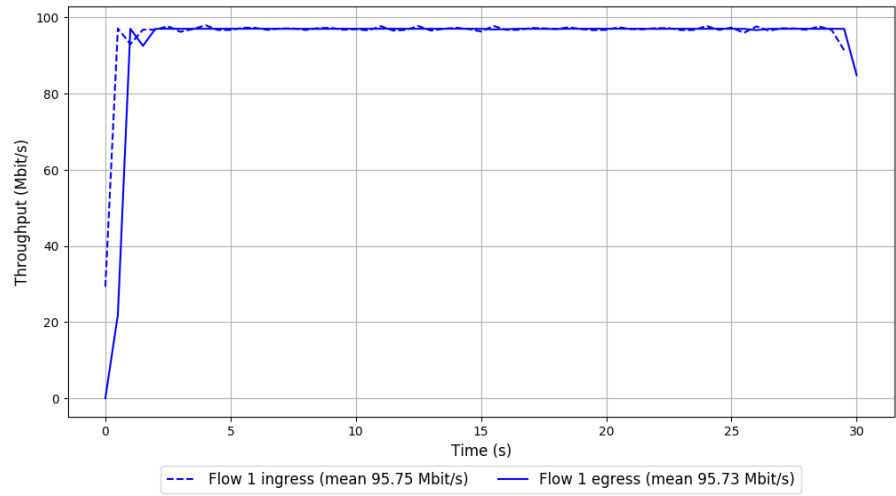
-- Flow 1:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 41.540 ms

Loss rate: 0.25%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-24 23:54:17

End at: 2018-07-24 23:54:47

Local clock offset: -0.462 ms

Remote clock offset: 2.411 ms

Below is generated by plot.py at 2018-07-25 03:30:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.29 Mbit/s

95th percentile per-packet one-way delay: 41.227 ms

Loss rate: 0.27%

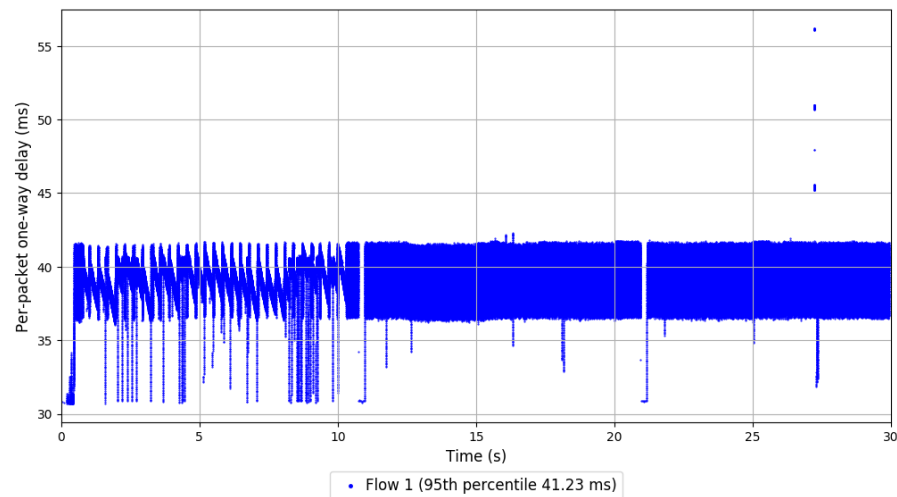
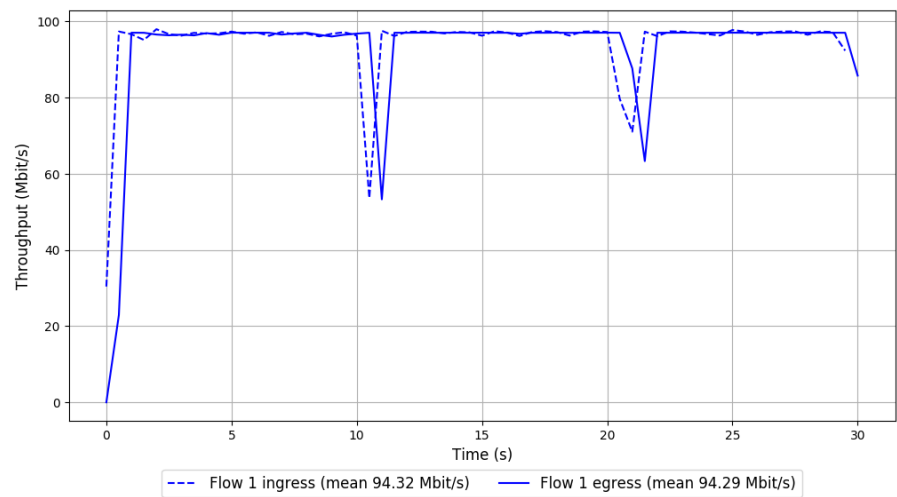
-- Flow 1:

Average throughput: 94.29 Mbit/s

95th percentile per-packet one-way delay: 41.227 ms

Loss rate: 0.27%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-25 00:16:32

End at: 2018-07-25 00:17:02

Local clock offset: -0.238 ms

Remote clock offset: 2.255 ms

Below is generated by plot.py at 2018-07-25 03:30:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.34 Mbit/s

95th percentile per-packet one-way delay: 41.247 ms

Loss rate: 0.27%

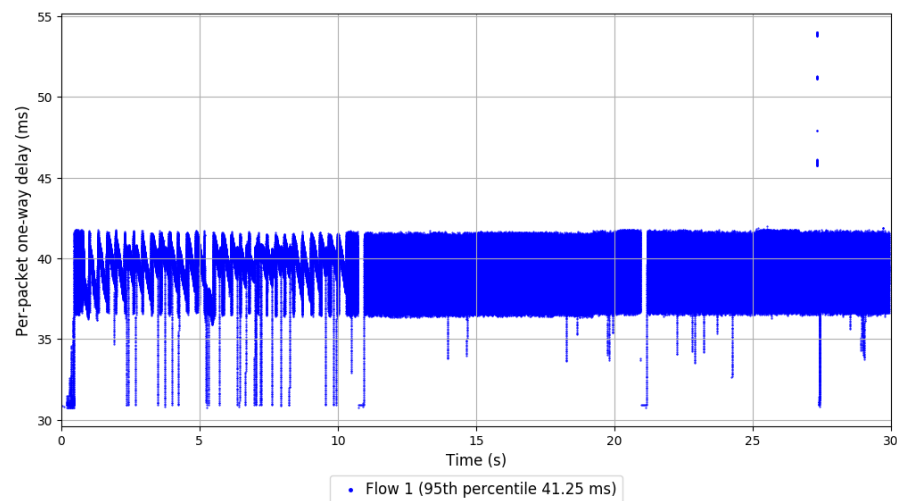
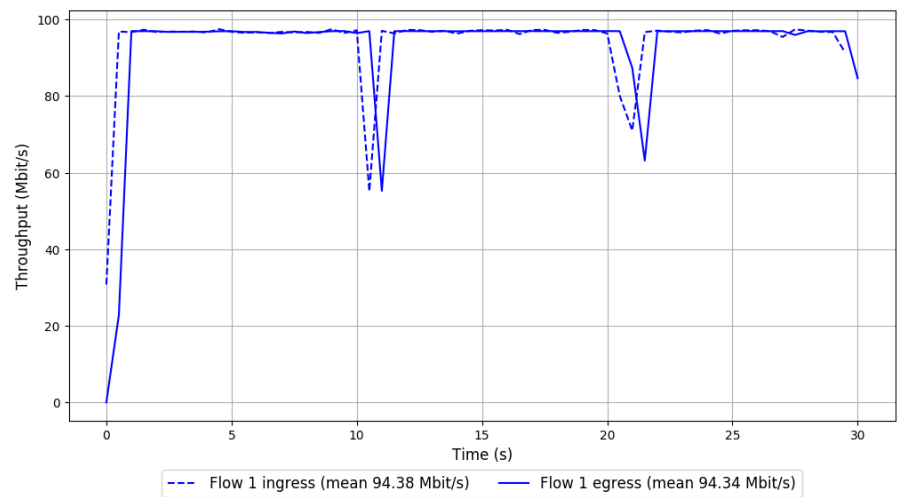
-- Flow 1:

Average throughput: 94.34 Mbit/s

95th percentile per-packet one-way delay: 41.247 ms

Loss rate: 0.27%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-25 00:38:48

End at: 2018-07-25 00:39:18

Local clock offset: -0.161 ms

Remote clock offset: 2.037 ms

Below is generated by plot.py at 2018-07-25 03:30:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 41.198 ms

Loss rate: 0.27%

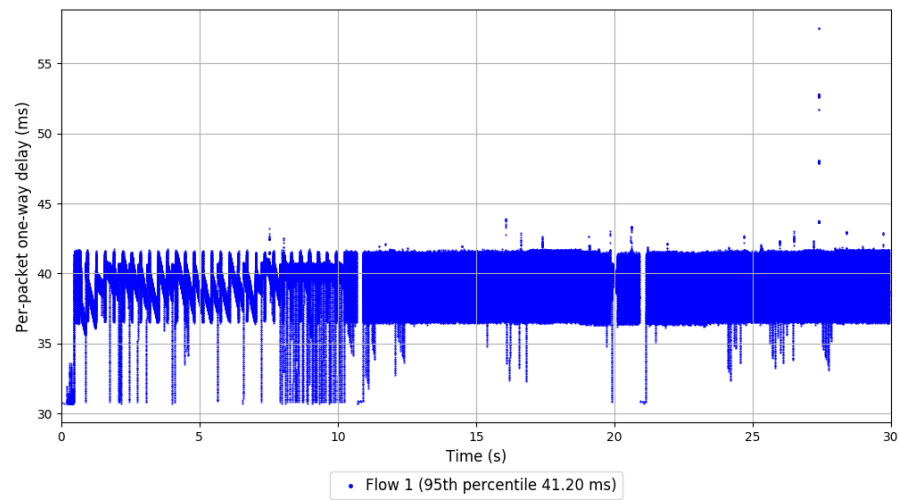
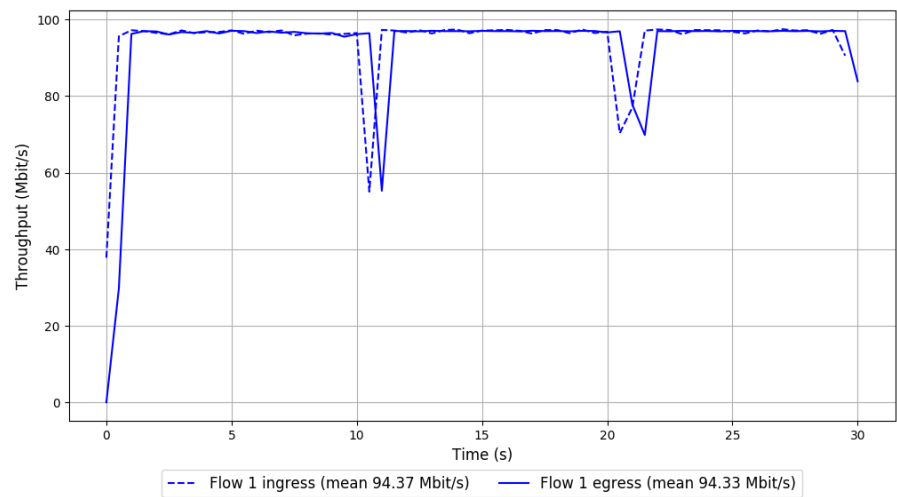
-- Flow 1:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 41.198 ms

Loss rate: 0.27%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-25 01:01:02

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

Local clock offset: -0.133 ms

Remote clock offset: 1.354 ms

Below is generated by plot.py at 2018-07-25 03:30:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.39 Mbit/s

95th percentile per-packet one-way delay: 41.264 ms

Loss rate: 0.26%

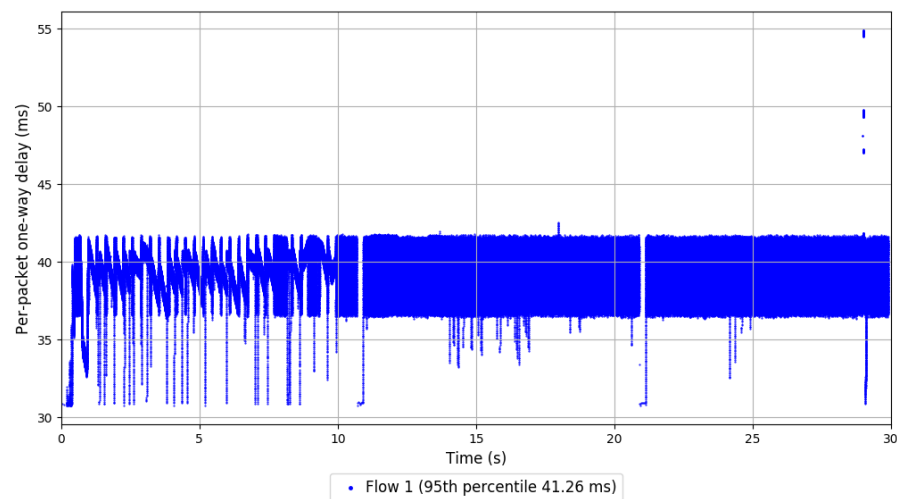
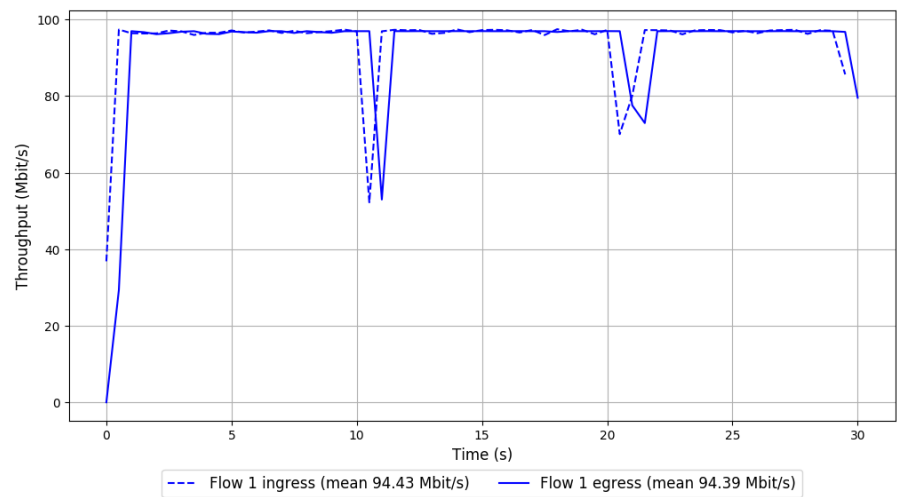
-- Flow 1:

Average throughput: 94.39 Mbit/s

95th percentile per-packet one-way delay: 41.264 ms

Loss rate: 0.26%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-25 01:23:27

End at: 2018-07-25 01:23:57

Local clock offset: 0.005 ms

Remote clock offset: 1.271 ms

Below is generated by plot.py at 2018-07-25 03:30:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 41.065 ms

Loss rate: 0.27%

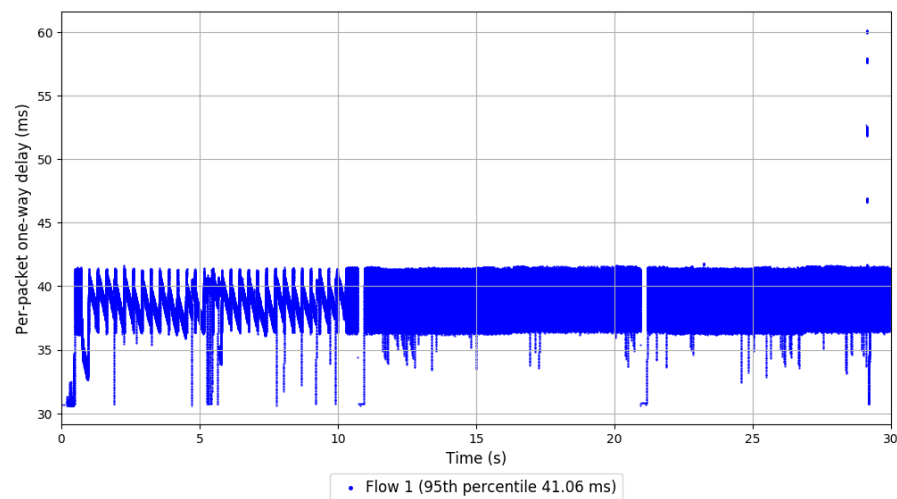
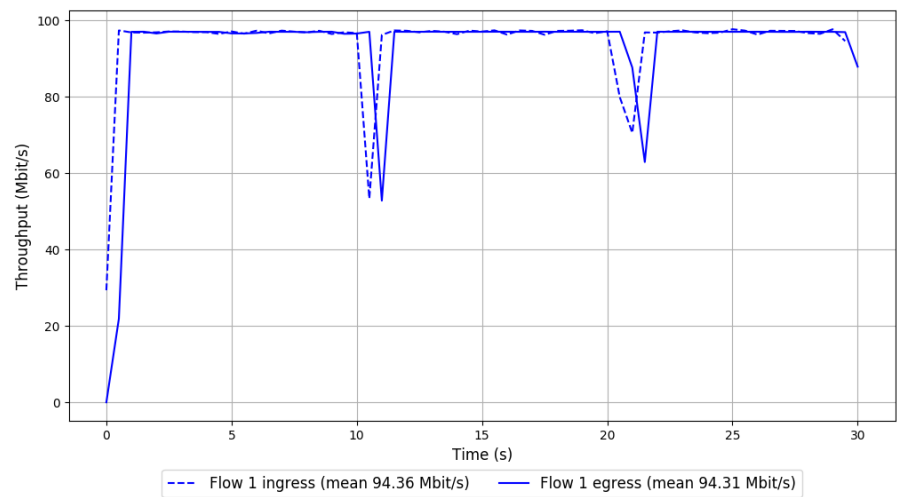
-- Flow 1:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 41.065 ms

Loss rate: 0.27%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-25 01:45:53

End at: 2018-07-25 01:46:23

Local clock offset: 2.888 ms

Remote clock offset: 1.232 ms

Below is generated by plot.py at 2018-07-25 03:30:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.54 Mbit/s

95th percentile per-packet one-way delay: 41.052 ms

Loss rate: 0.26%

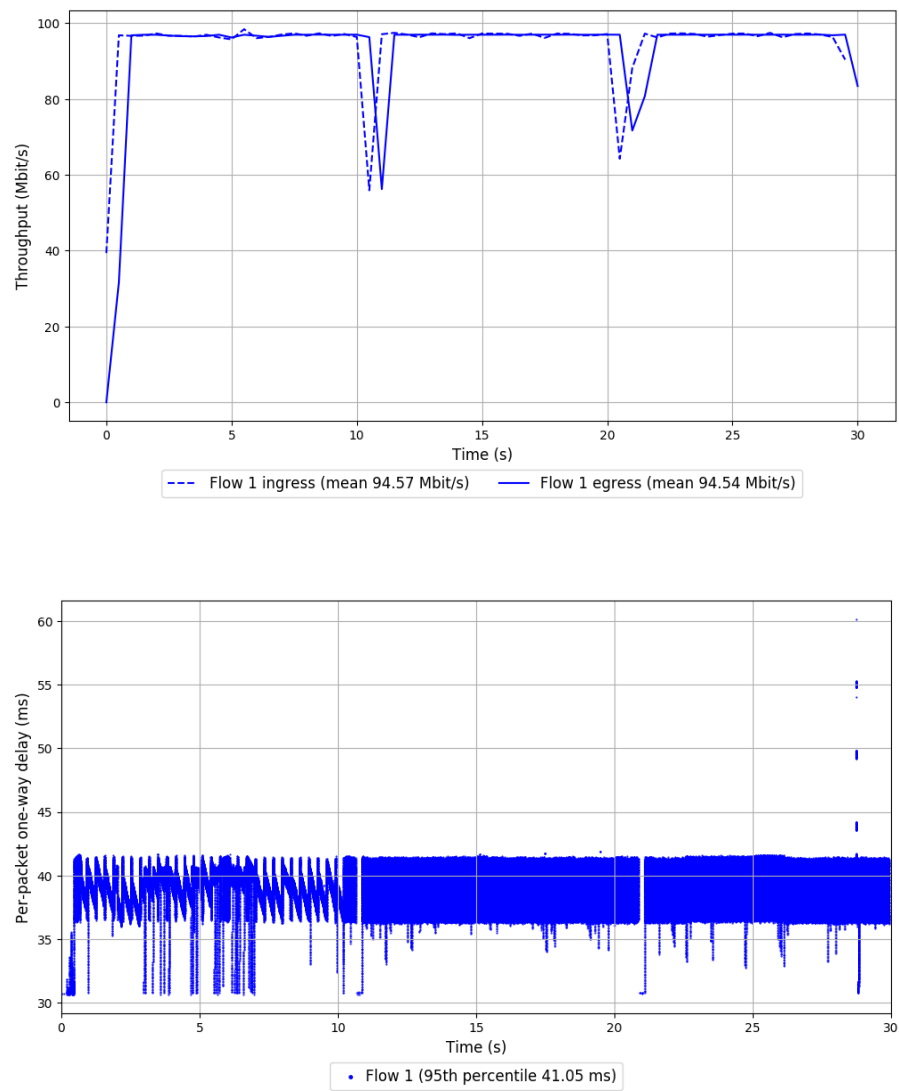
-- Flow 1:

Average throughput: 94.54 Mbit/s

95th percentile per-packet one-way delay: 41.052 ms

Loss rate: 0.26%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-25 02:08:11

End at: 2018-07-25 02:08:41

Local clock offset: 4.131 ms

Remote clock offset: 1.403 ms

Below is generated by plot.py at 2018-07-25 03:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.37 Mbit/s

95th percentile per-packet one-way delay: 41.131 ms

Loss rate: 0.26%

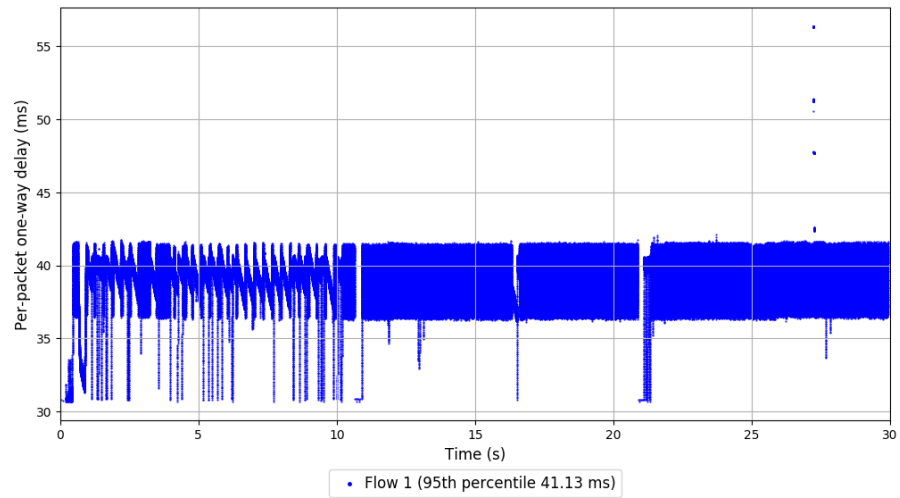
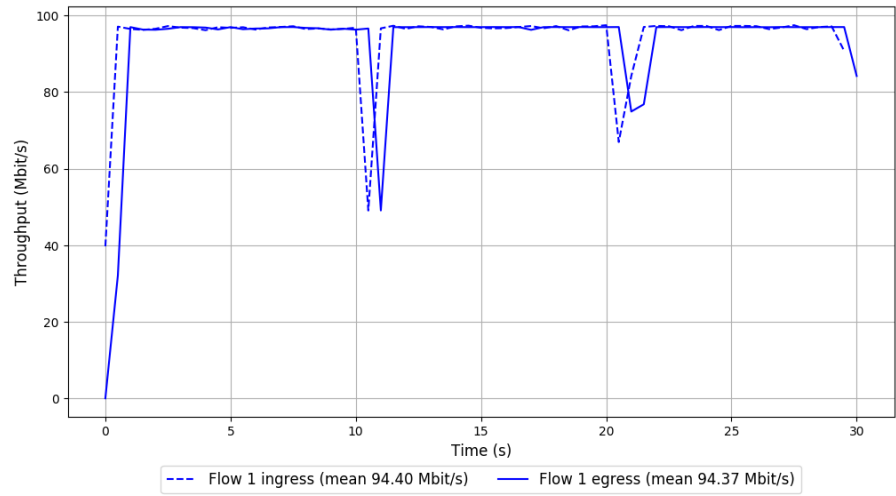
-- Flow 1:

Average throughput: 94.37 Mbit/s

95th percentile per-packet one-way delay: 41.131 ms

Loss rate: 0.26%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-25 02:30:25

End at: 2018-07-25 02:30:55

Local clock offset: 4.643 ms

Remote clock offset: 1.364 ms

Below is generated by plot.py at 2018-07-25 03:31:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.32 Mbit/s

95th percentile per-packet one-way delay: 41.127 ms

Loss rate: 0.26%

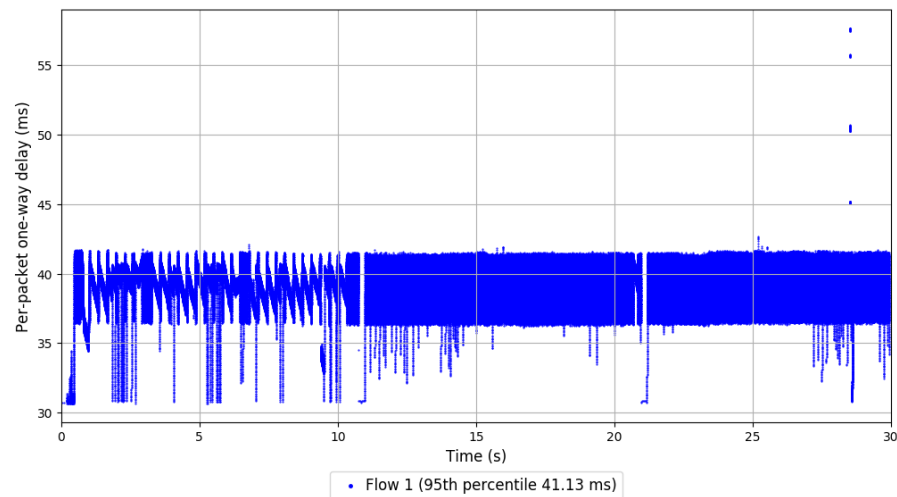
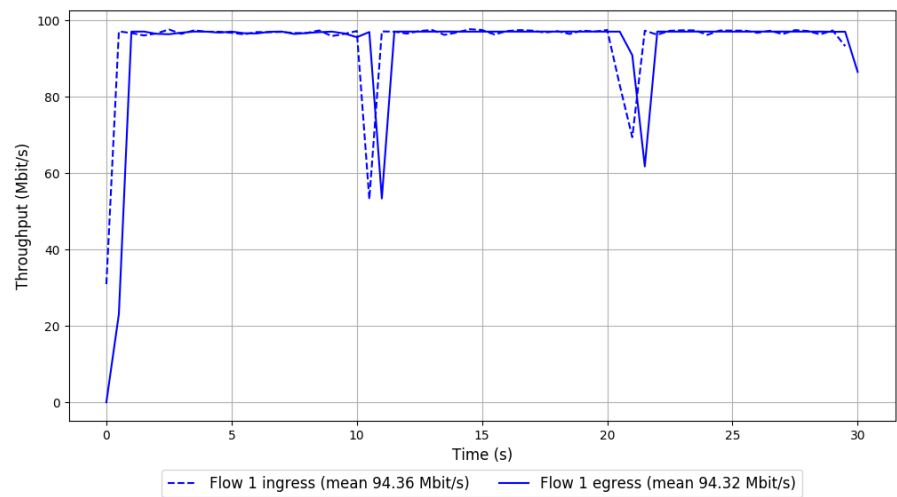
-- Flow 1:

Average throughput: 94.32 Mbit/s

95th percentile per-packet one-way delay: 41.127 ms

Loss rate: 0.26%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-25 02:52:49

End at: 2018-07-25 02:53:19

Local clock offset: 2.909 ms

Remote clock offset: 1.387 ms

Below is generated by plot.py at 2018-07-25 03:31:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.42 Mbit/s

95th percentile per-packet one-way delay: 41.136 ms

Loss rate: 0.27%

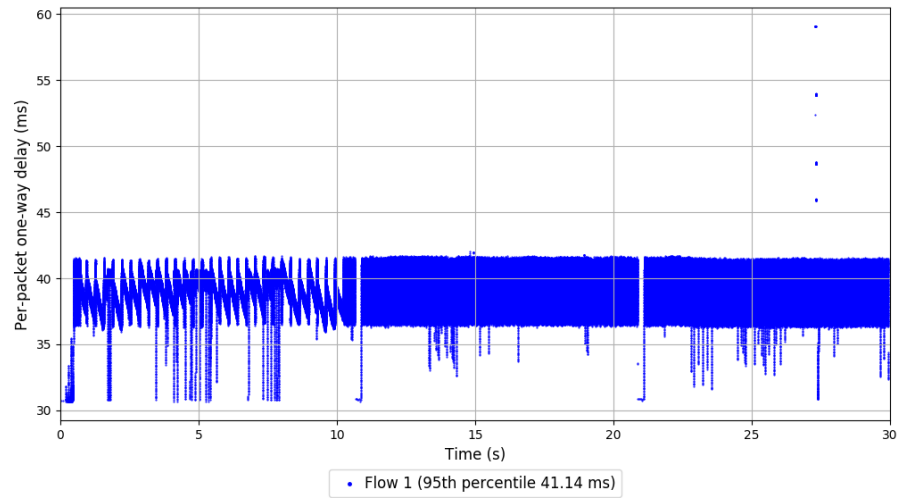
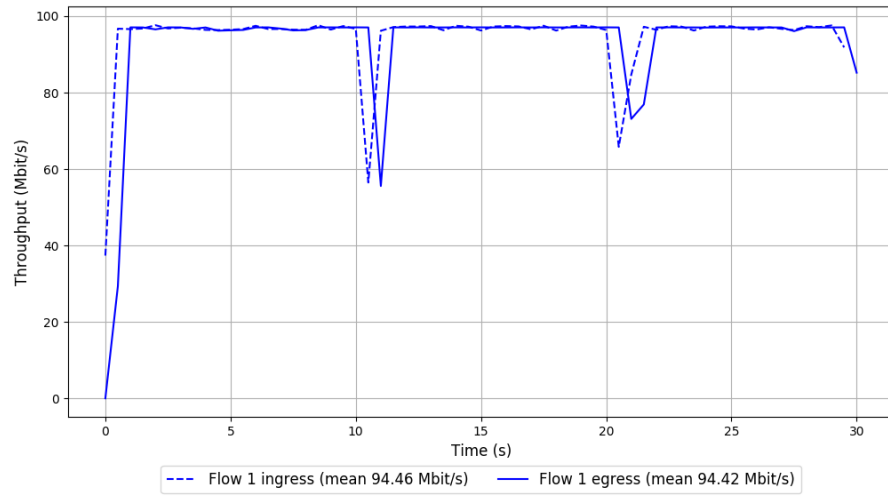
-- Flow 1:

Average throughput: 94.42 Mbit/s

95th percentile per-packet one-way delay: 41.136 ms

Loss rate: 0.27%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-25 03:15:03

End at: 2018-07-25 03:15:33

Local clock offset: 0.18 ms

Remote clock offset: 1.196 ms

Below is generated by plot.py at 2018-07-25 03:31:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.44 Mbit/s

95th percentile per-packet one-way delay: 41.367 ms

Loss rate: 0.26%

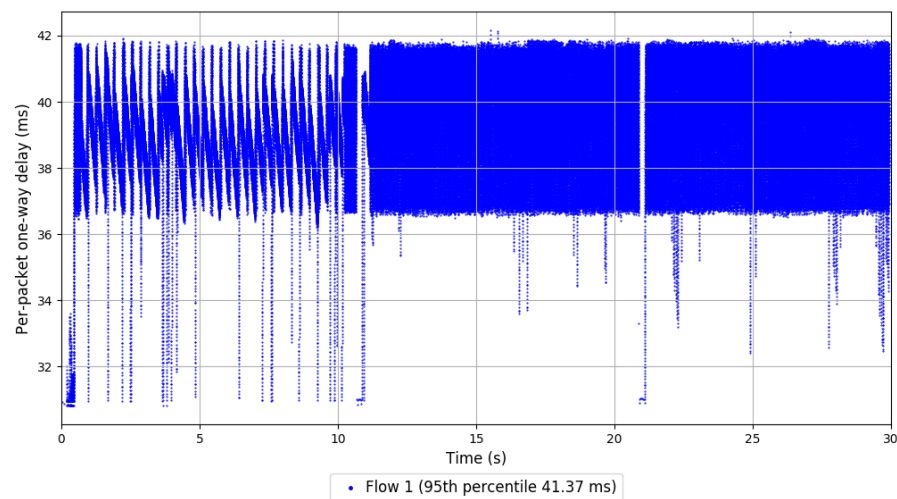
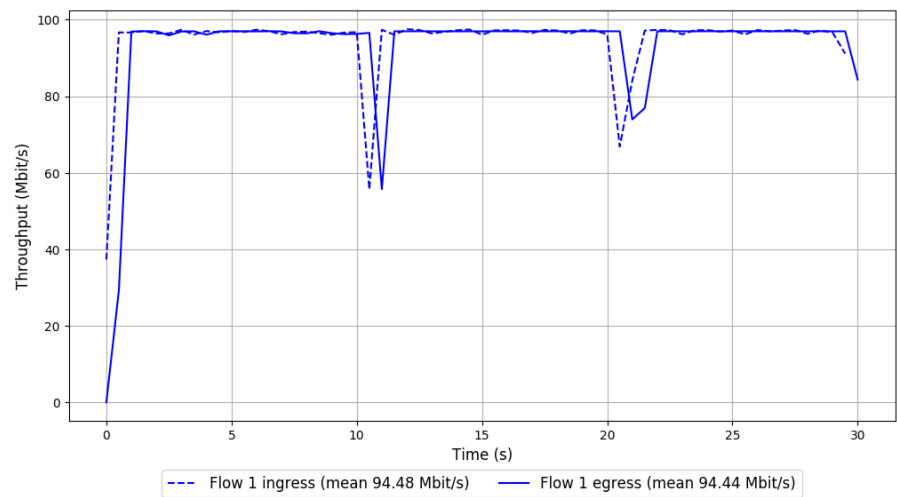
-- Flow 1:

Average throughput: 94.44 Mbit/s

95th percentile per-packet one-way delay: 41.367 ms

Loss rate: 0.26%

Run 10: Report of FillP-Sheep — Data Link

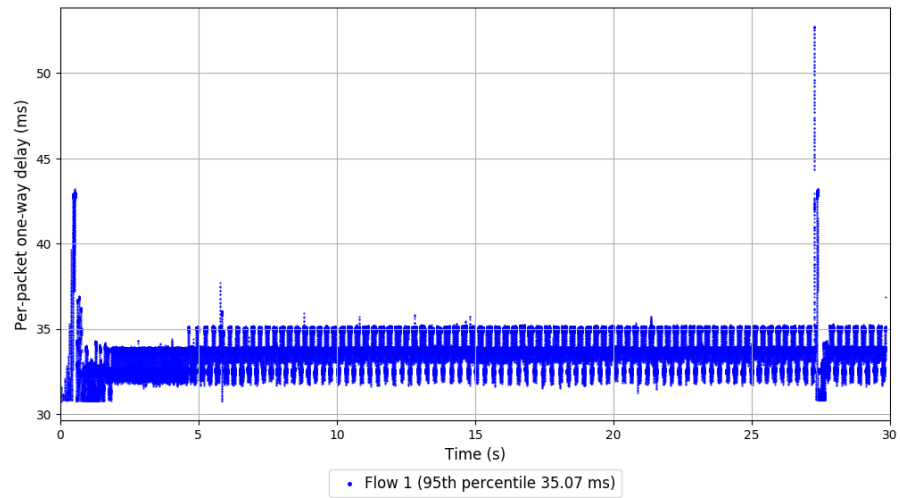
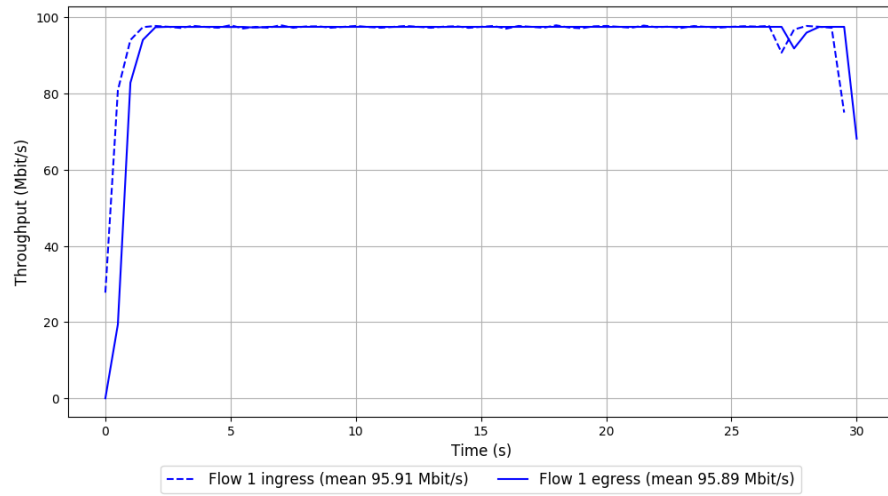


```
Run 1: Statistics of Indigo

Start at: 2018-07-24 23:52:57
End at: 2018-07-24 23:53:27
Local clock offset: -0.46 ms
Remote clock offset: 2.377 ms

# Below is generated by plot.py at 2018-07-25 03:31:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 35.068 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 35.068 ms
Loss rate: 0.23%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-25 00:15:12

End at: 2018-07-25 00:15:42

Local clock offset: -0.261 ms

Remote clock offset: 2.264 ms

Below is generated by plot.py at 2018-07-25 03:31:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 33.830 ms

Loss rate: 0.23%

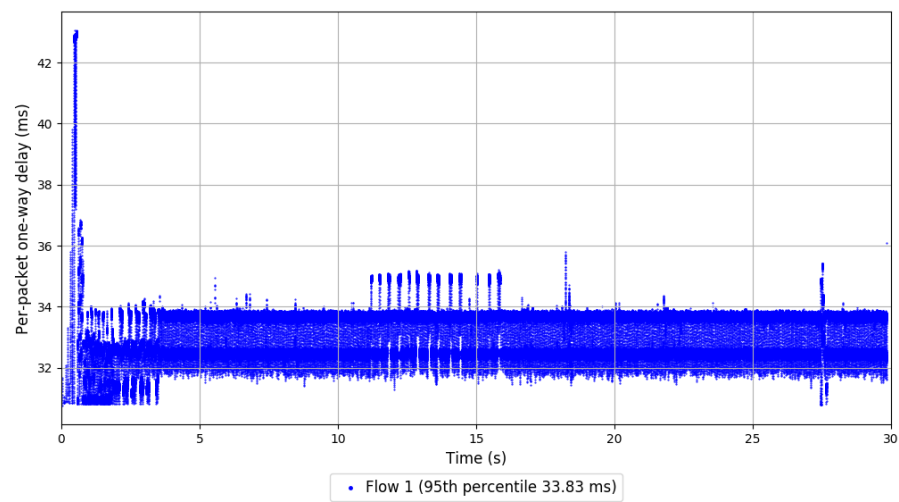
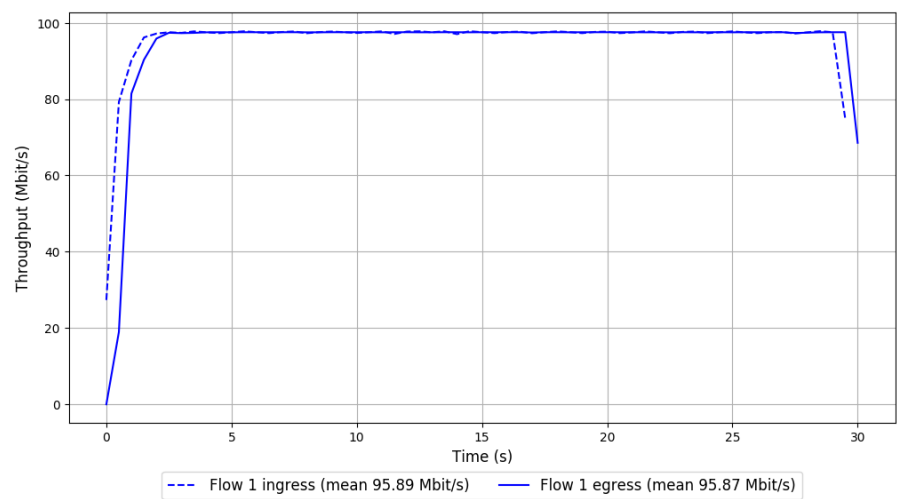
-- Flow 1:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 33.830 ms

Loss rate: 0.23%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-25 00:37:27

End at: 2018-07-25 00:37:57

Local clock offset: -0.184 ms

Remote clock offset: 2.061 ms

Below is generated by plot.py at 2018-07-25 03:31:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 35.000 ms

Loss rate: 0.23%

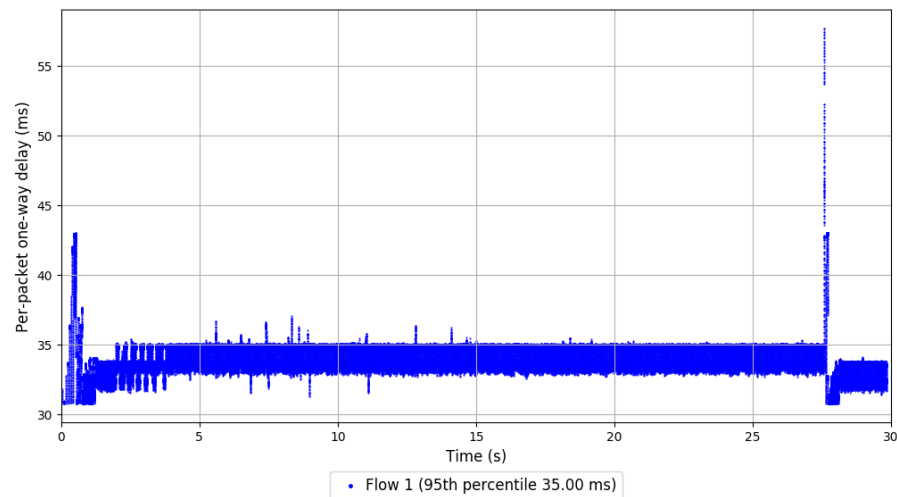
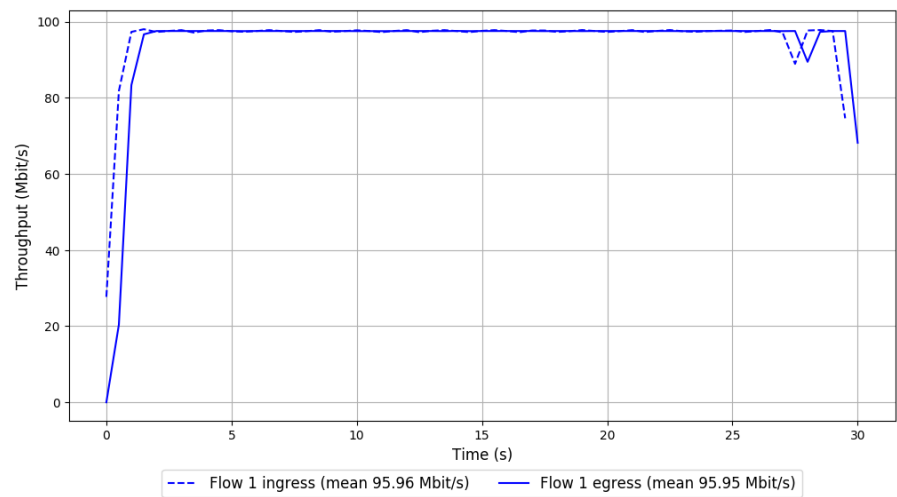
-- Flow 1:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 35.000 ms

Loss rate: 0.23%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-25 00:59:43

End at: 2018-07-25 01:00:13

Local clock offset: -0.193 ms

Remote clock offset: 1.364 ms

Below is generated by plot.py at 2018-07-25 03:31:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 34.468 ms

Loss rate: 0.23%

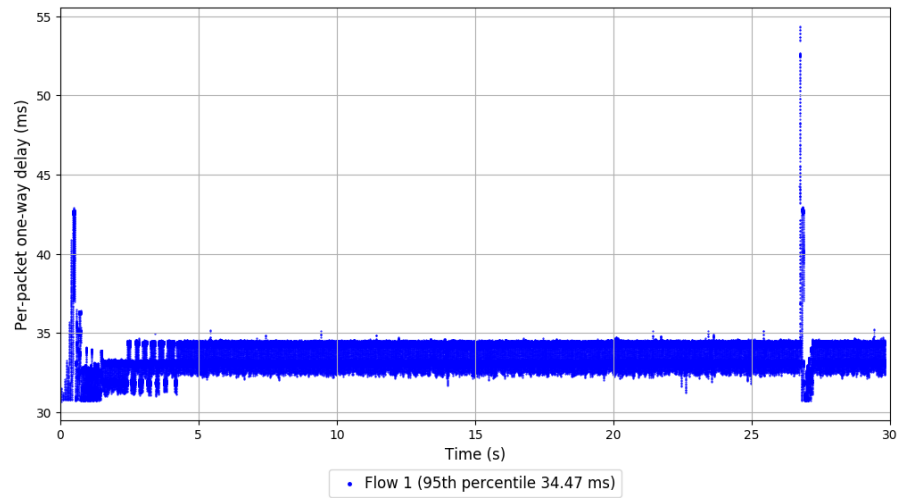
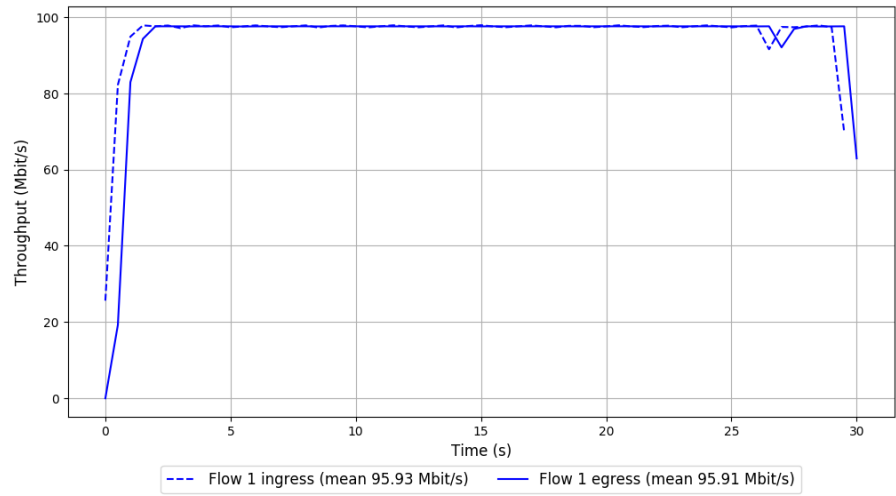
-- Flow 1:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 34.468 ms

Loss rate: 0.23%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-25 01:22:07

End at: 2018-07-25 01:22:37

Local clock offset: 0.1 ms

Remote clock offset: 1.286 ms

Below is generated by plot.py at 2018-07-25 03:32:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 33.803 ms

Loss rate: 0.23%

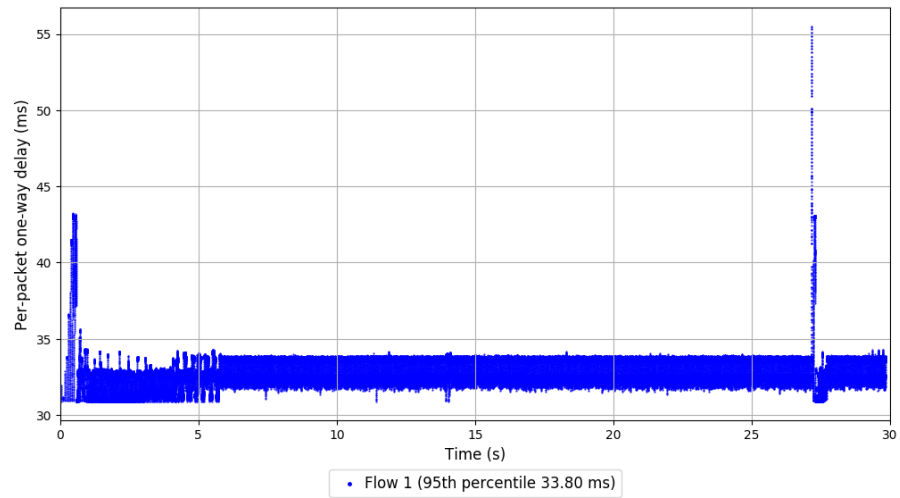
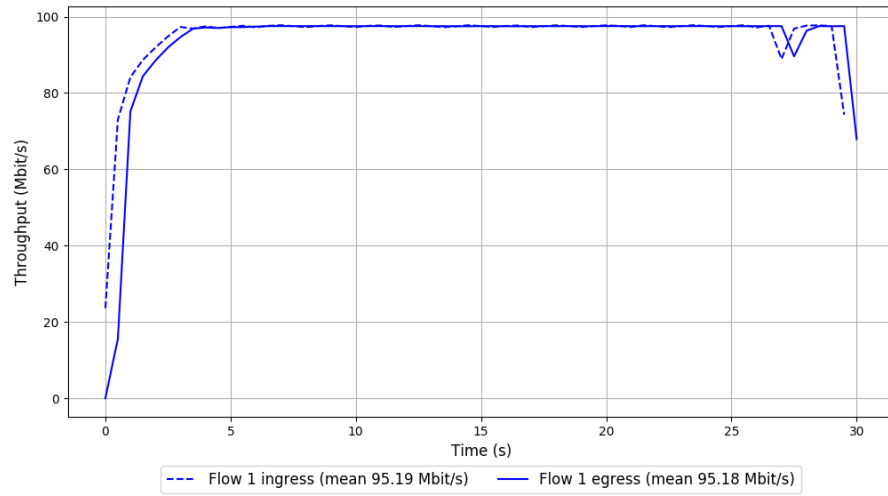
-- Flow 1:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 33.803 ms

Loss rate: 0.23%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-25 01:44:32

End at: 2018-07-25 01:45:02

Local clock offset: 2.722 ms

Remote clock offset: 1.245 ms

Below is generated by plot.py at 2018-07-25 03:32:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.94 Mbit/s

95th percentile per-packet one-way delay: 35.552 ms

Loss rate: 0.23%

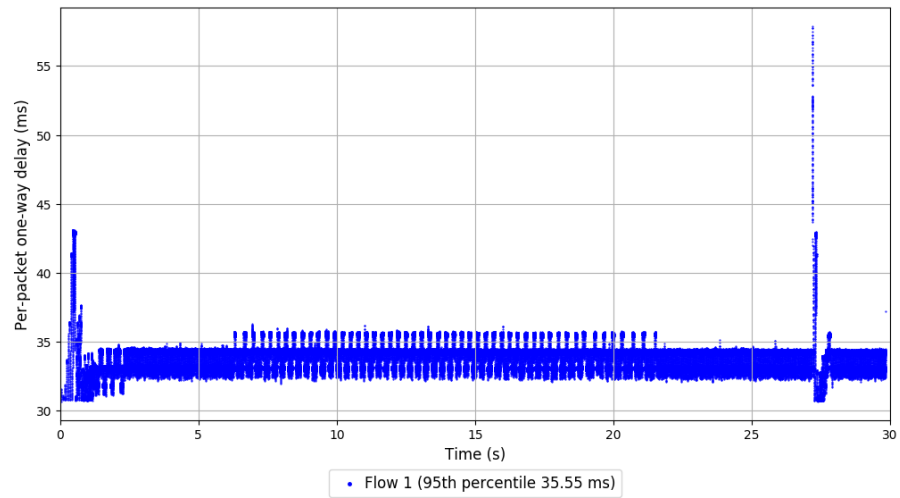
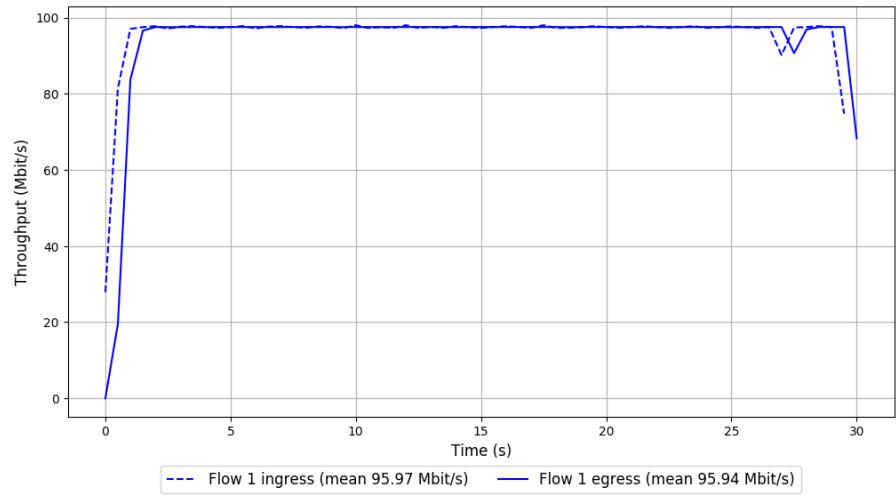
-- Flow 1:

Average throughput: 95.94 Mbit/s

95th percentile per-packet one-way delay: 35.552 ms

Loss rate: 0.23%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-25 02:06:51

End at: 2018-07-25 02:07:21

Local clock offset: 4.06 ms

Remote clock offset: 1.385 ms

Below is generated by plot.py at 2018-07-25 03:32:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.06 Mbit/s

95th percentile per-packet one-way delay: 35.681 ms

Loss rate: 0.23%

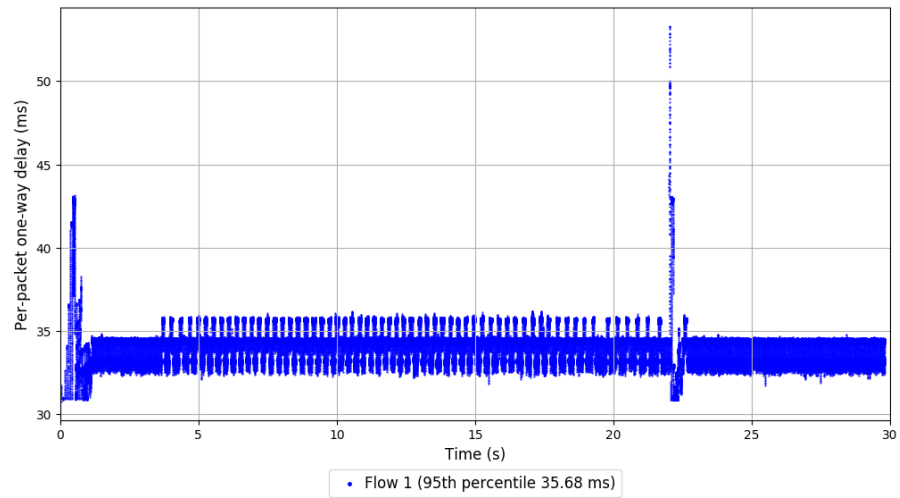
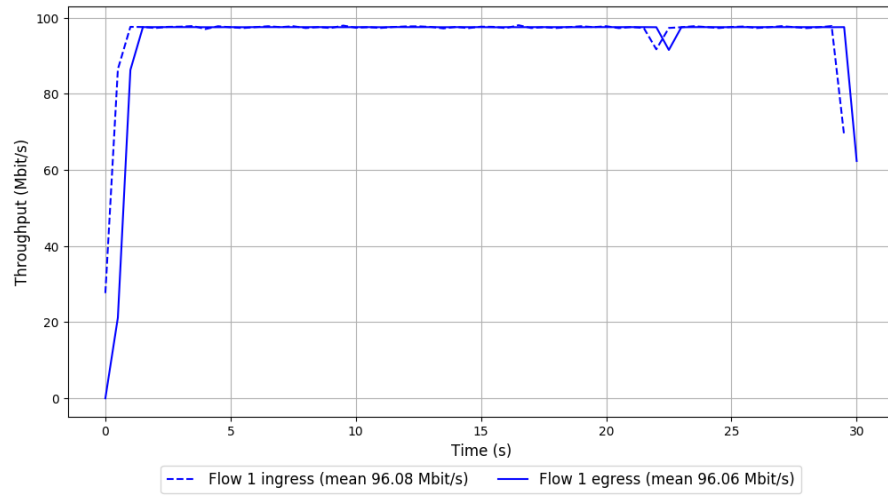
-- Flow 1:

Average throughput: 96.06 Mbit/s

95th percentile per-packet one-way delay: 35.681 ms

Loss rate: 0.23%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-25 02:29:04

End at: 2018-07-25 02:29:34

Local clock offset: 4.709 ms

Remote clock offset: 1.294 ms

Below is generated by plot.py at 2018-07-25 03:32:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 35.079 ms

Loss rate: 0.23%

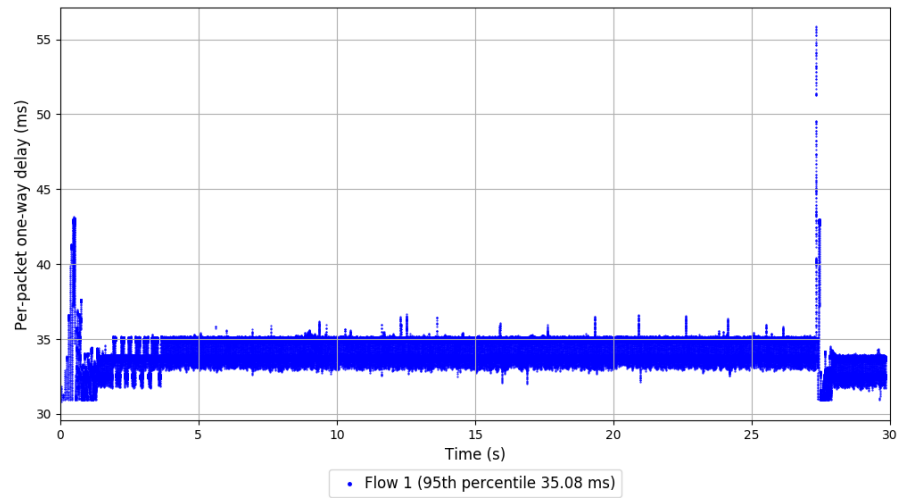
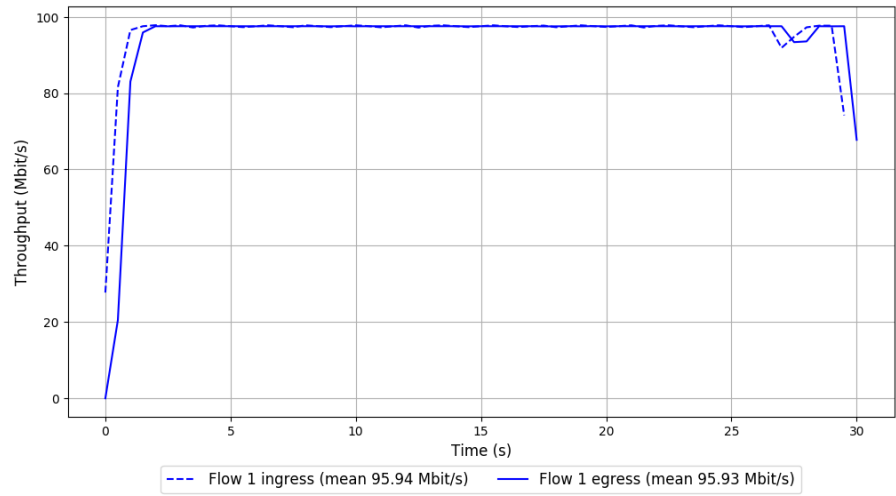
-- Flow 1:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 35.079 ms

Loss rate: 0.23%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-25 02:51:29

End at: 2018-07-25 02:51:59

Local clock offset: 3.018 ms

Remote clock offset: 1.4 ms

Below is generated by plot.py at 2018-07-25 03:32:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.03 Mbit/s

95th percentile per-packet one-way delay: 35.047 ms

Loss rate: 0.23%

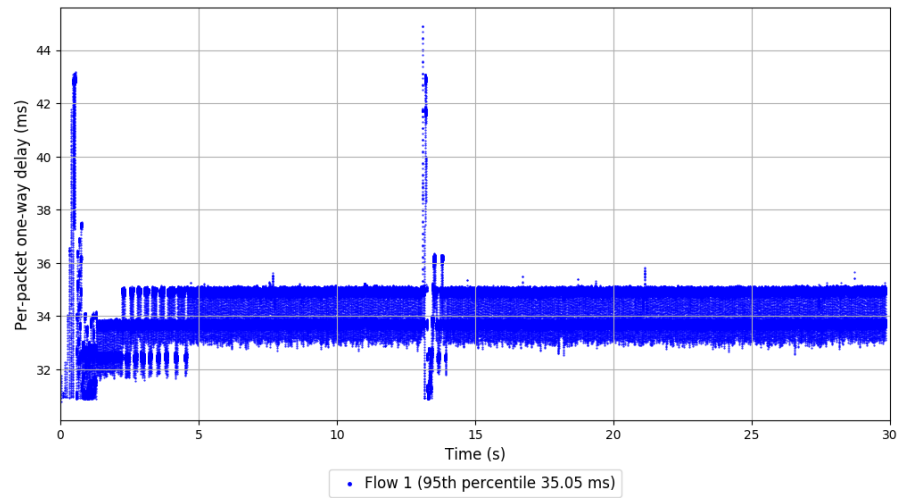
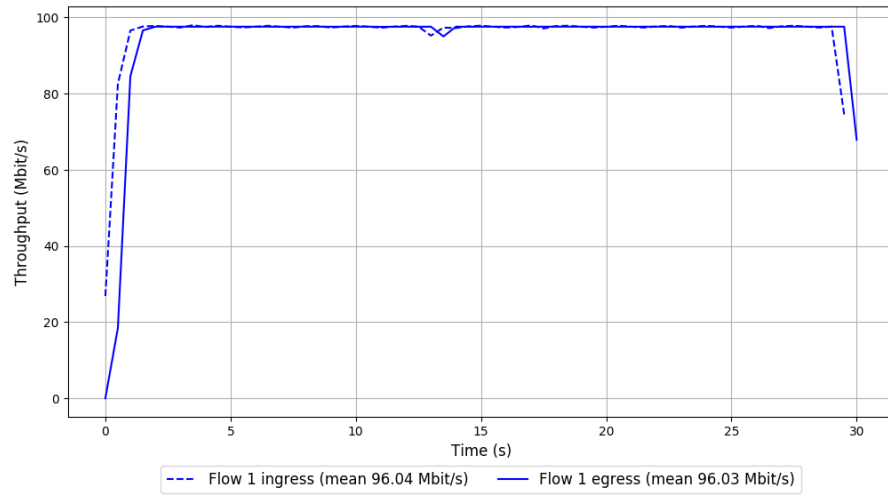
-- Flow 1:

Average throughput: 96.03 Mbit/s

95th percentile per-packet one-way delay: 35.047 ms

Loss rate: 0.23%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-25 03:13:43

End at: 2018-07-25 03:14:13

Local clock offset: 0.336 ms

Remote clock offset: 1.248 ms

Below is generated by plot.py at 2018-07-25 03:32:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 34.611 ms

Loss rate: 0.22%

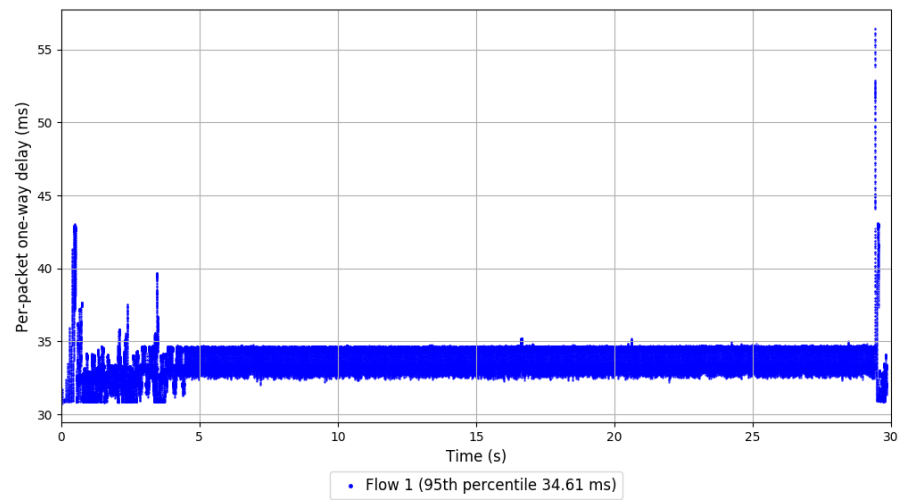
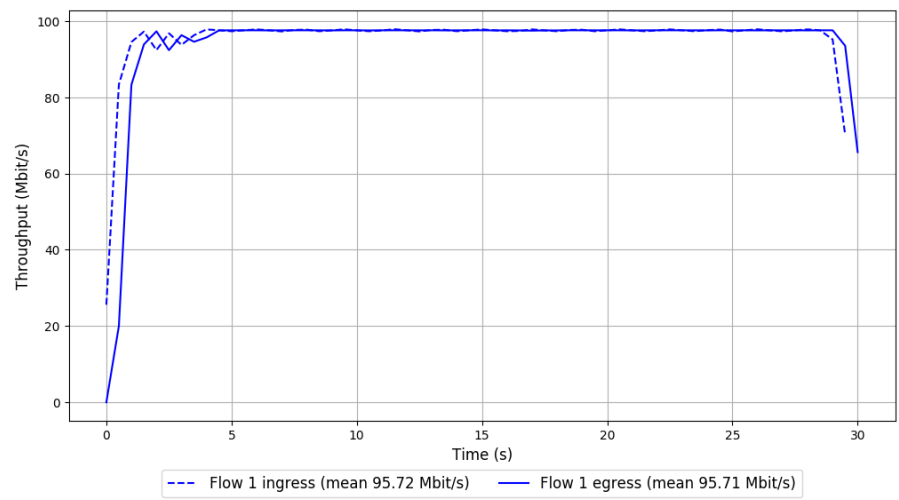
-- Flow 1:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 34.611 ms

Loss rate: 0.22%

Run 10: Report of Indigo — Data Link

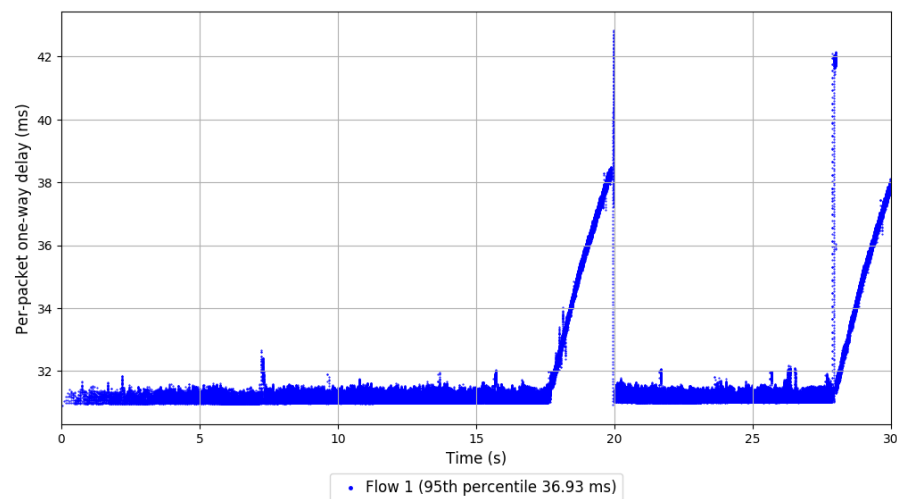
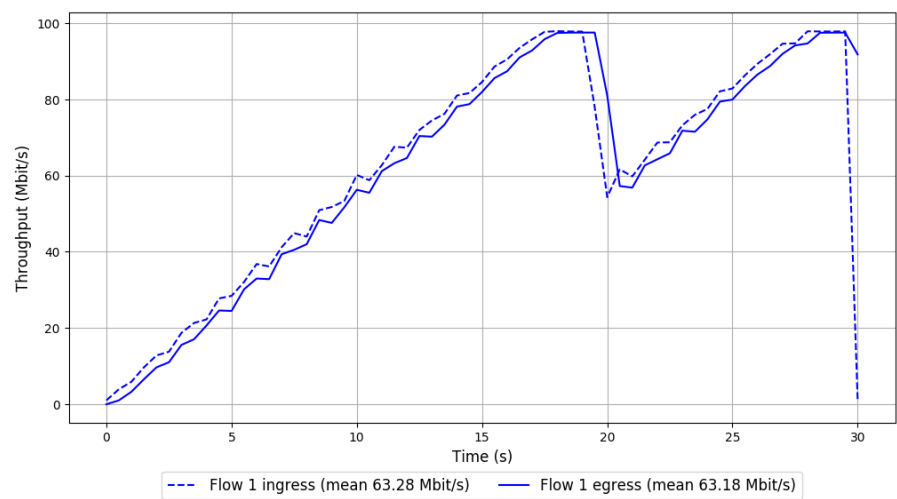


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-24 23:43:44
End at: 2018-07-24 23:44:14
Local clock offset: 0.441 ms
Remote clock offset: 2.144 ms

# Below is generated by plot.py at 2018-07-25 03:32:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.18 Mbit/s
95th percentile per-packet one-way delay: 36.931 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 63.18 Mbit/s
95th percentile per-packet one-way delay: 36.931 ms
Loss rate: 0.37%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-25 00:06:01

End at: 2018-07-25 00:06:31

Local clock offset: -0.596 ms

Remote clock offset: 2.678 ms

Below is generated by plot.py at 2018-07-25 03:32:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.22 Mbit/s

95th percentile per-packet one-way delay: 36.729 ms

Loss rate: 0.37%

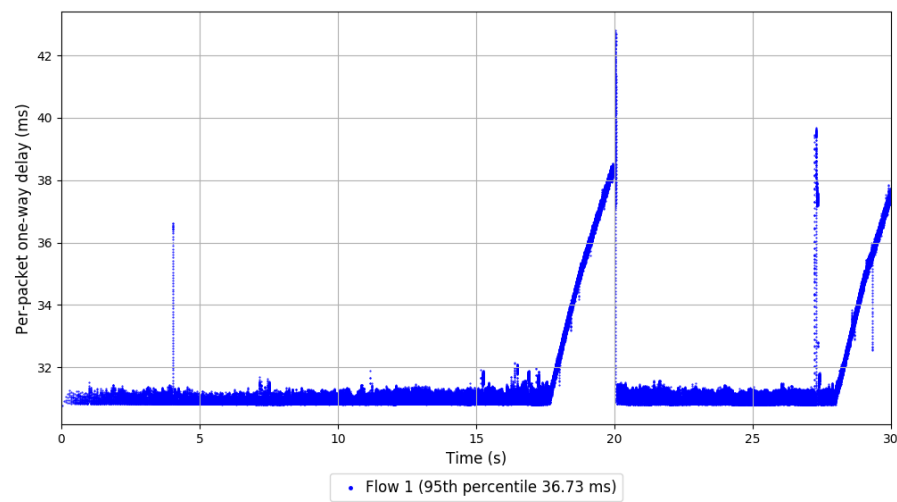
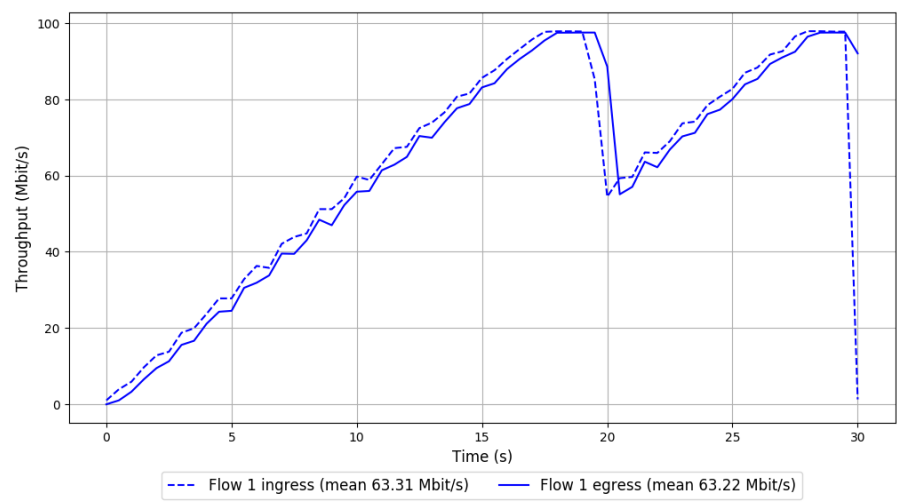
-- Flow 1:

Average throughput: 63.22 Mbit/s

95th percentile per-packet one-way delay: 36.729 ms

Loss rate: 0.37%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-25 00:28:15

End at: 2018-07-25 00:28:45

Local clock offset: -0.431 ms

Remote clock offset: 2.125 ms

Below is generated by plot.py at 2018-07-25 03:32:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.46 Mbit/s

95th percentile per-packet one-way delay: 36.232 ms

Loss rate: 0.29%

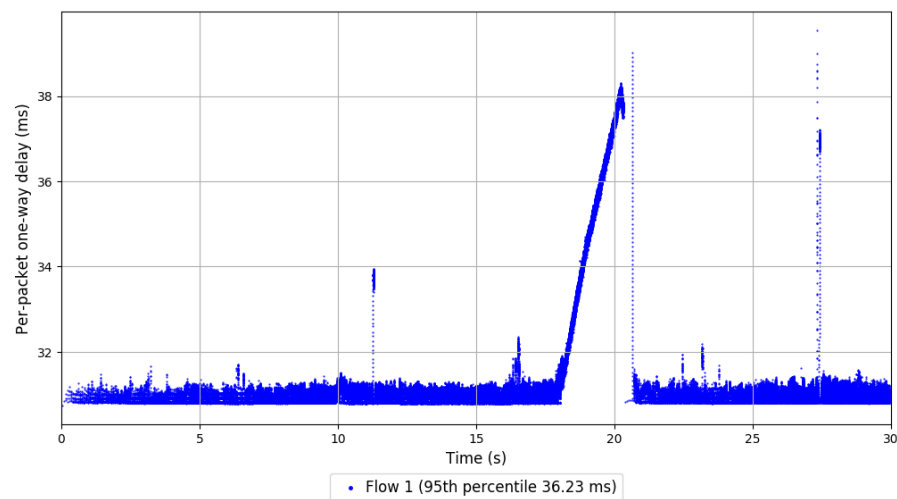
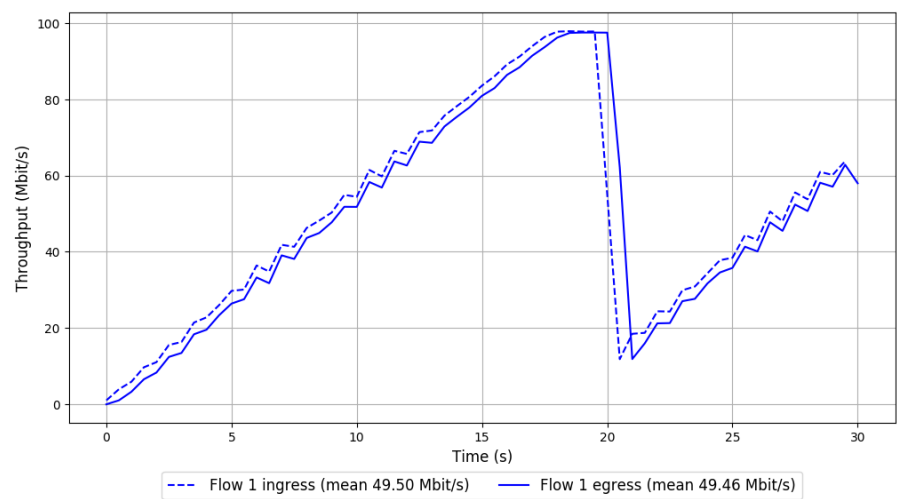
-- Flow 1:

Average throughput: 49.46 Mbit/s

95th percentile per-packet one-way delay: 36.232 ms

Loss rate: 0.29%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-25 00:50:32

End at: 2018-07-25 00:51:02

Local clock offset: -0.169 ms

Remote clock offset: 1.549 ms

Below is generated by plot.py at 2018-07-25 03:33:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.09 Mbit/s

95th percentile per-packet one-way delay: 36.664 ms

Loss rate: 0.37%

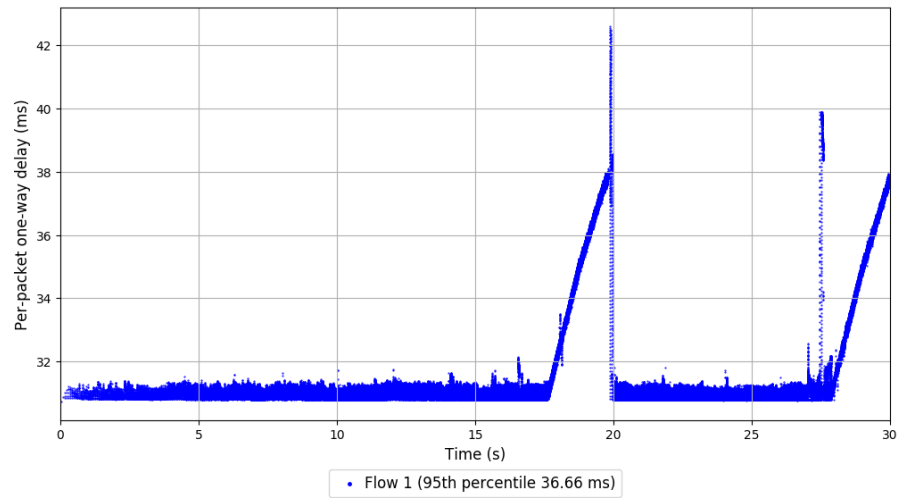
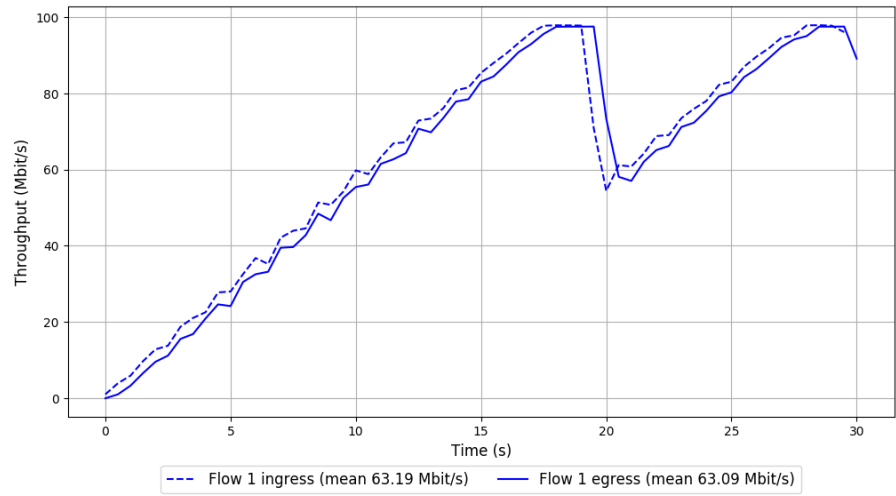
-- Flow 1:

Average throughput: 63.09 Mbit/s

95th percentile per-packet one-way delay: 36.664 ms

Loss rate: 0.37%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-25 01:12:48

End at: 2018-07-25 01:13:18

Local clock offset: 0.089 ms

Remote clock offset: 1.288 ms

Below is generated by plot.py at 2018-07-25 03:33:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.04 Mbit/s

95th percentile per-packet one-way delay: 36.653 ms

Loss rate: 0.37%

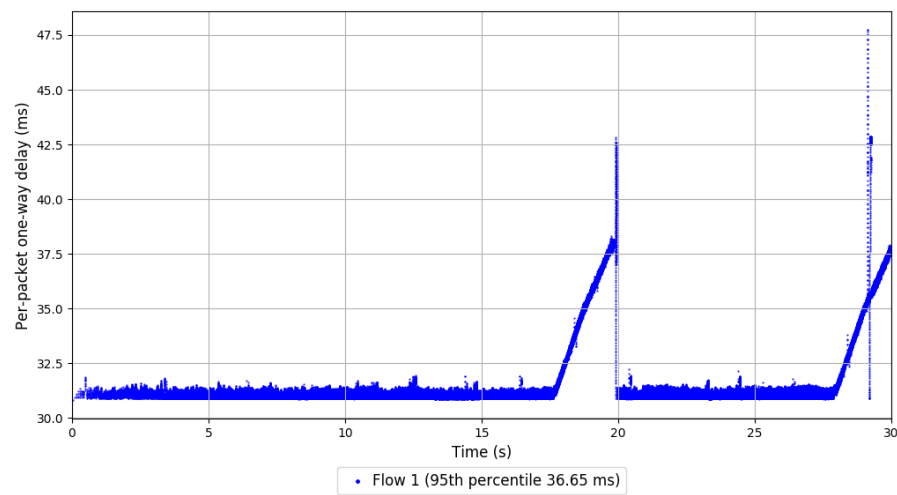
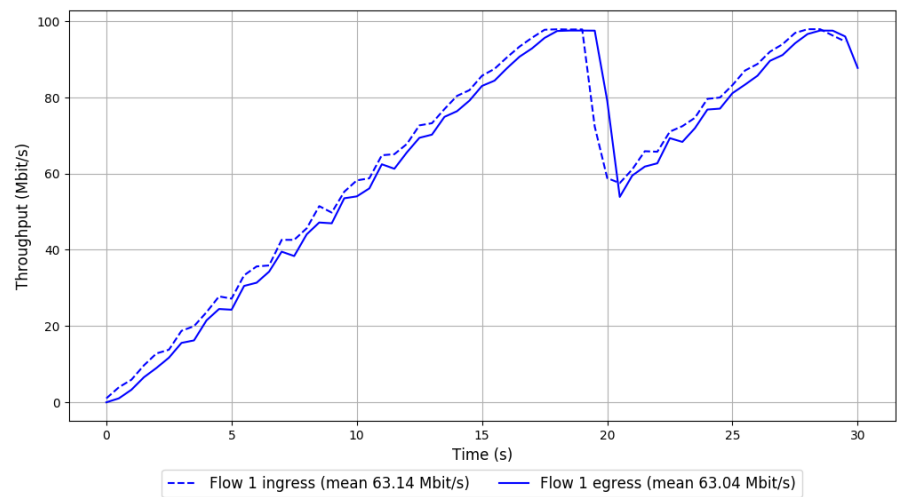
-- Flow 1:

Average throughput: 63.04 Mbit/s

95th percentile per-packet one-way delay: 36.653 ms

Loss rate: 0.37%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-25 01:35:11

End at: 2018-07-25 01:35:41

Local clock offset: 1.167 ms

Remote clock offset: 1.279 ms

Below is generated by plot.py at 2018-07-25 03:33:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.31 Mbit/s

95th percentile per-packet one-way delay: 36.626 ms

Loss rate: 0.37%

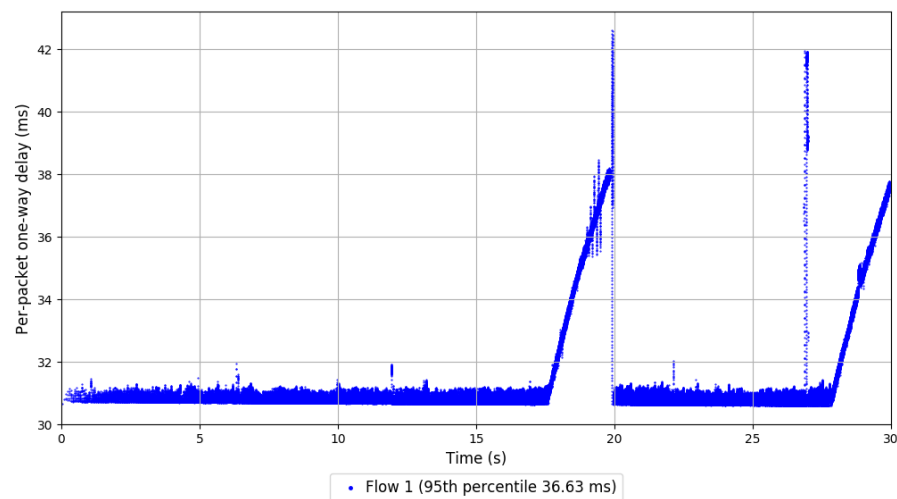
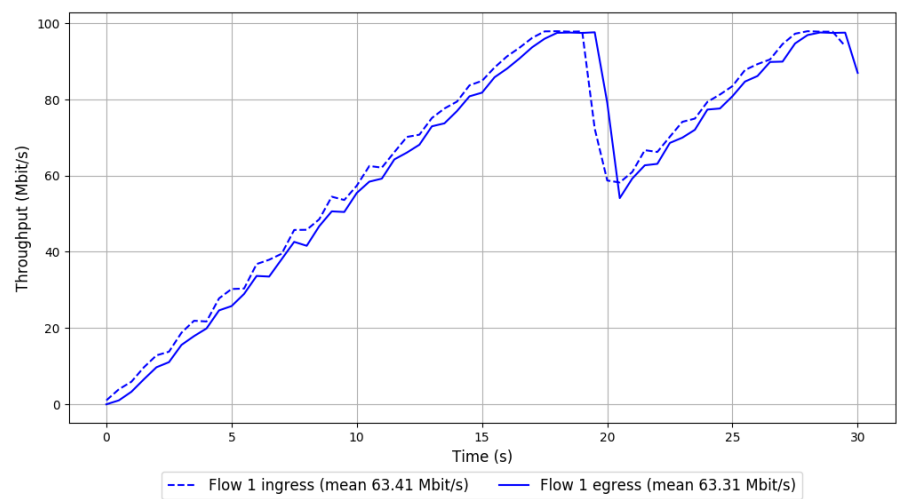
-- Flow 1:

Average throughput: 63.31 Mbit/s

95th percentile per-packet one-way delay: 36.626 ms

Loss rate: 0.37%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-25 01:57:37

End at: 2018-07-25 01:58:07

Local clock offset: 3.665 ms

Remote clock offset: 1.378 ms

Below is generated by plot.py at 2018-07-25 03:33:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.19 Mbit/s

95th percentile per-packet one-way delay: 36.653 ms

Loss rate: 0.37%

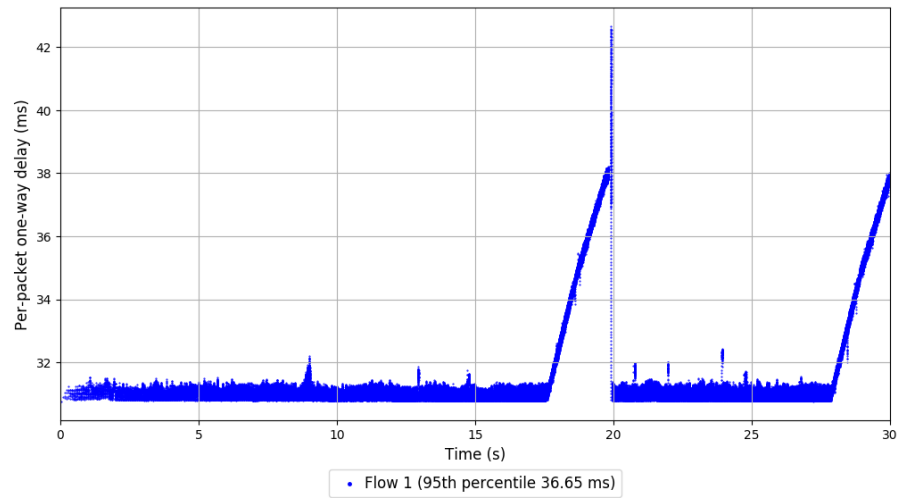
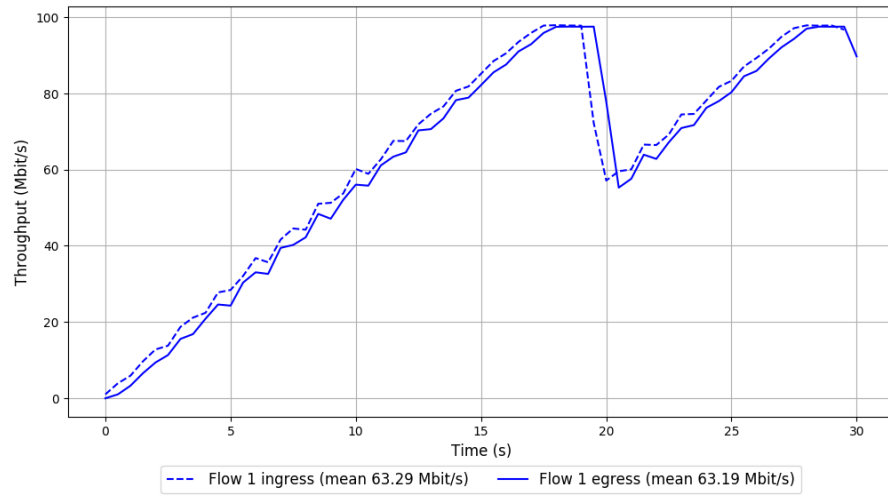
-- Flow 1:

Average throughput: 63.19 Mbit/s

95th percentile per-packet one-way delay: 36.653 ms

Loss rate: 0.37%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-25 02:19:53

End at: 2018-07-25 02:20:23

Local clock offset: 4.476 ms

Remote clock offset: 1.231 ms

Below is generated by plot.py at 2018-07-25 03:33:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.32 Mbit/s

95th percentile per-packet one-way delay: 35.846 ms

Loss rate: 0.37%

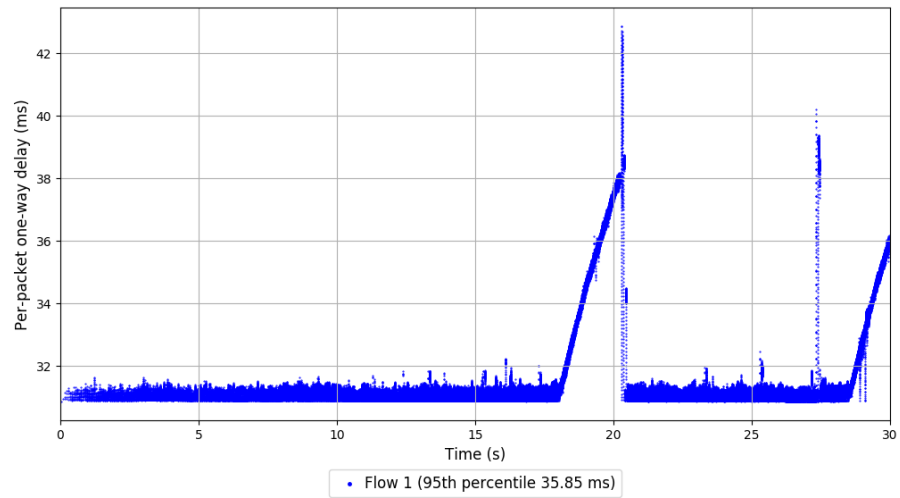
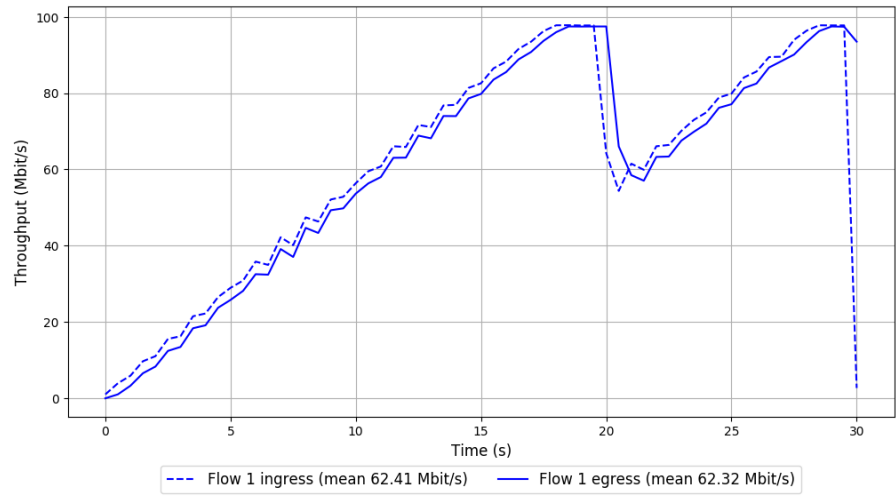
-- Flow 1:

Average throughput: 62.32 Mbit/s

95th percentile per-packet one-way delay: 35.846 ms

Loss rate: 0.37%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-25 02:42:13

End at: 2018-07-25 02:42:43

Local clock offset: 3.378 ms

Remote clock offset: 1.445 ms

Below is generated by plot.py at 2018-07-25 03:33:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.47 Mbit/s

95th percentile per-packet one-way delay: 36.152 ms

Loss rate: 0.37%

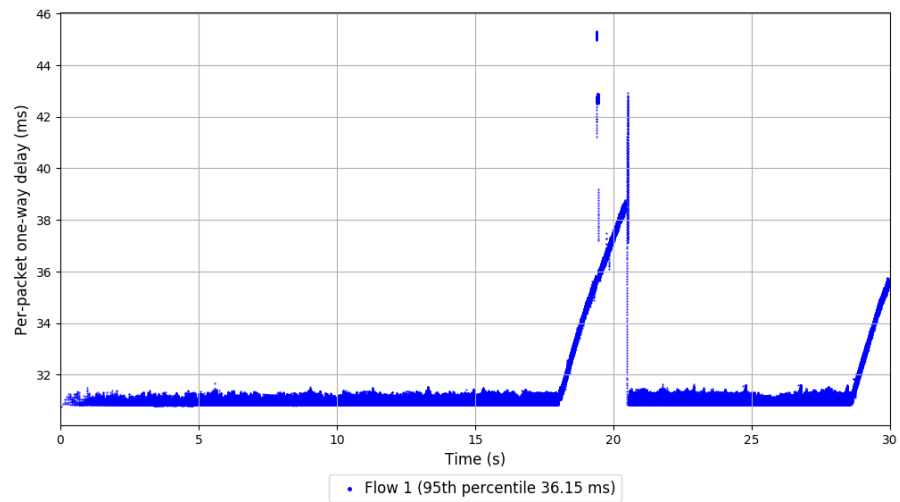
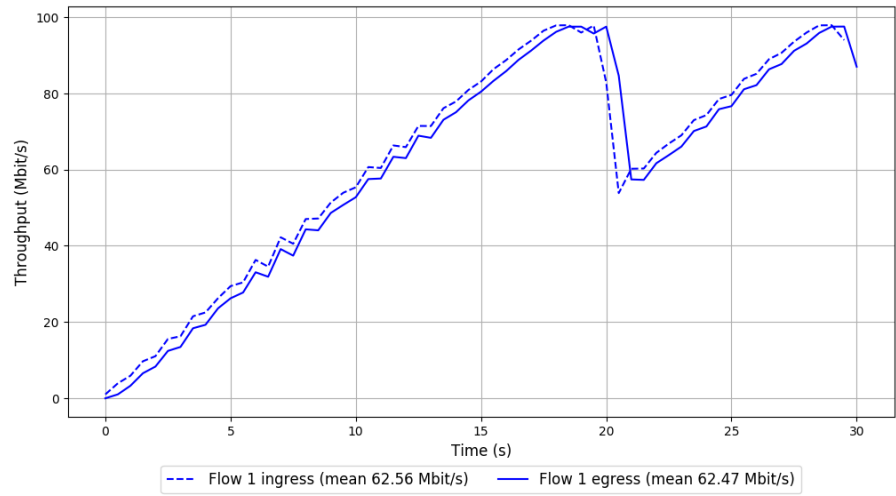
-- Flow 1:

Average throughput: 62.47 Mbit/s

95th percentile per-packet one-way delay: 36.152 ms

Loss rate: 0.37%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-25 03:04:31

End at: 2018-07-25 03:05:01

Local clock offset: 1.966 ms

Remote clock offset: 1.28 ms

Below is generated by plot.py at 2018-07-25 03:33:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.32 Mbit/s

95th percentile per-packet one-way delay: 37.028 ms

Loss rate: 0.11%

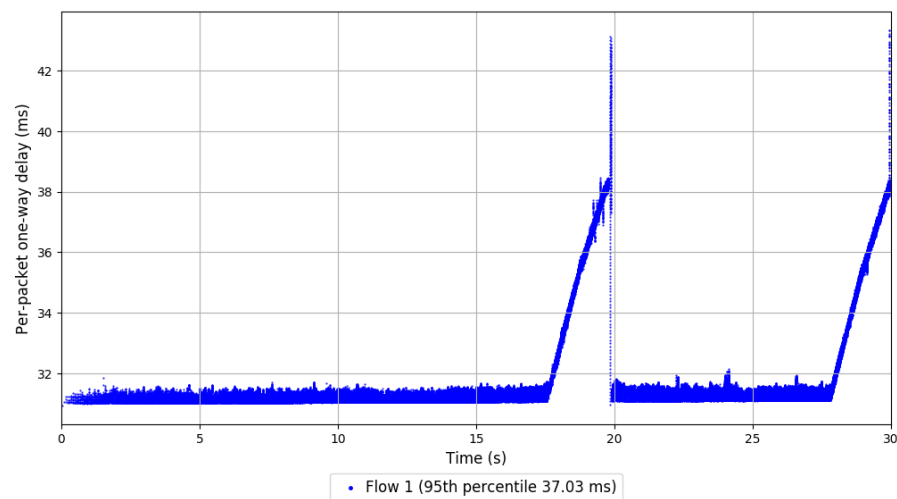
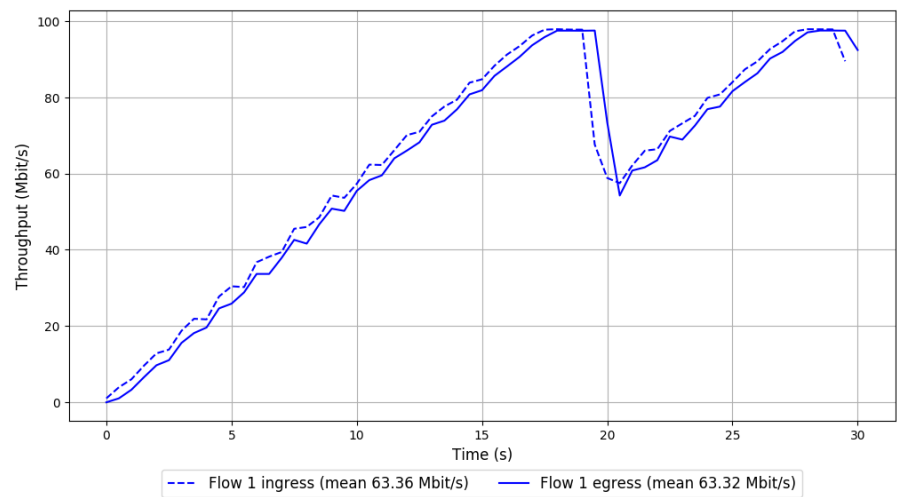
-- Flow 1:

Average throughput: 63.32 Mbit/s

95th percentile per-packet one-way delay: 37.028 ms

Loss rate: 0.11%

Run 10: Report of LEDBAT — Data Link

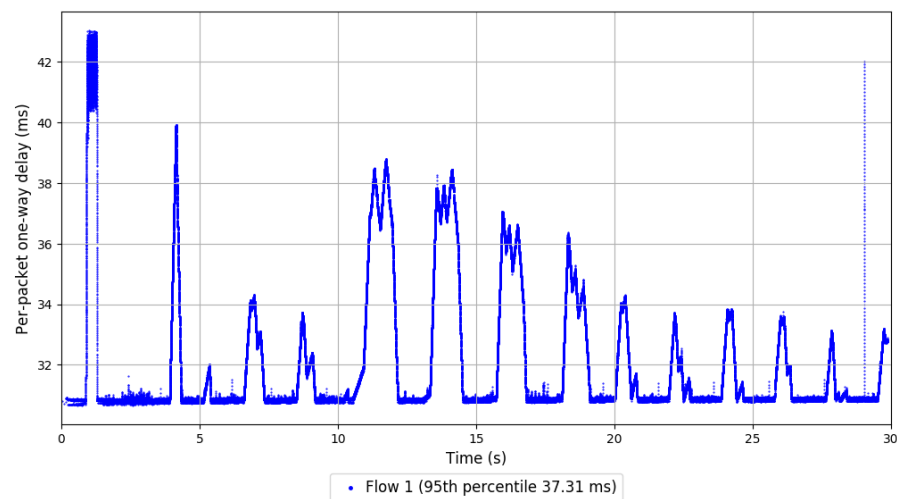
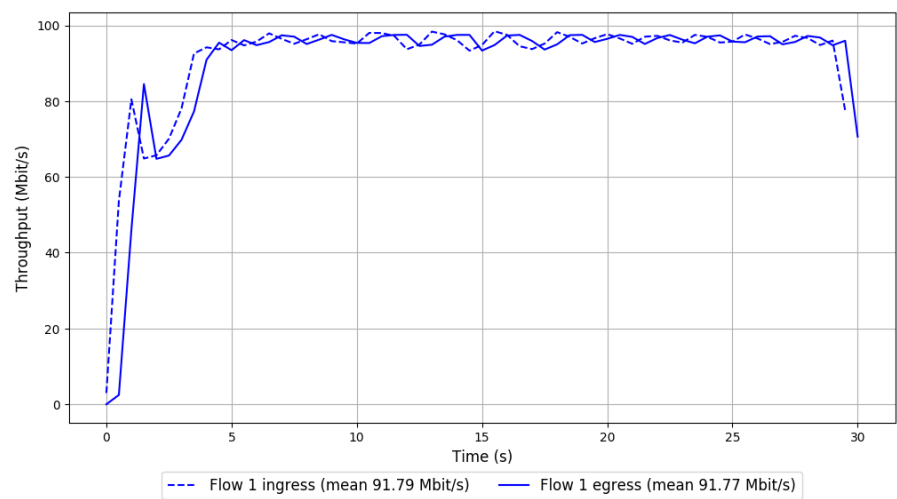


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-24 23:42:26
End at: 2018-07-24 23:42:56
Local clock offset: 0.506 ms
Remote clock offset: 2.175 ms

# Below is generated by plot.py at 2018-07-25 03:34:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.77 Mbit/s
95th percentile per-packet one-way delay: 37.306 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 91.77 Mbit/s
95th percentile per-packet one-way delay: 37.306 ms
Loss rate: 0.24%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-25 00:04:43

End at: 2018-07-25 00:05:13

Local clock offset: -0.682 ms

Remote clock offset: 2.642 ms

Below is generated by plot.py at 2018-07-25 03:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: 35.118 ms

Loss rate: 0.24%

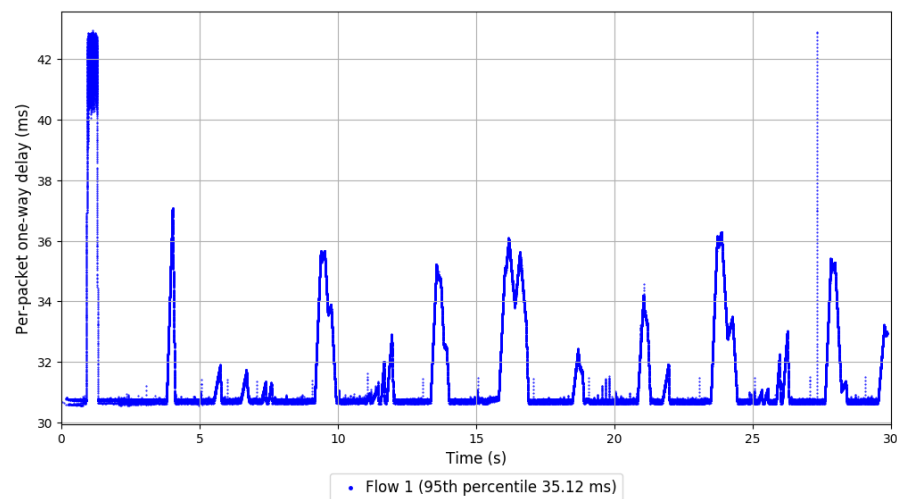
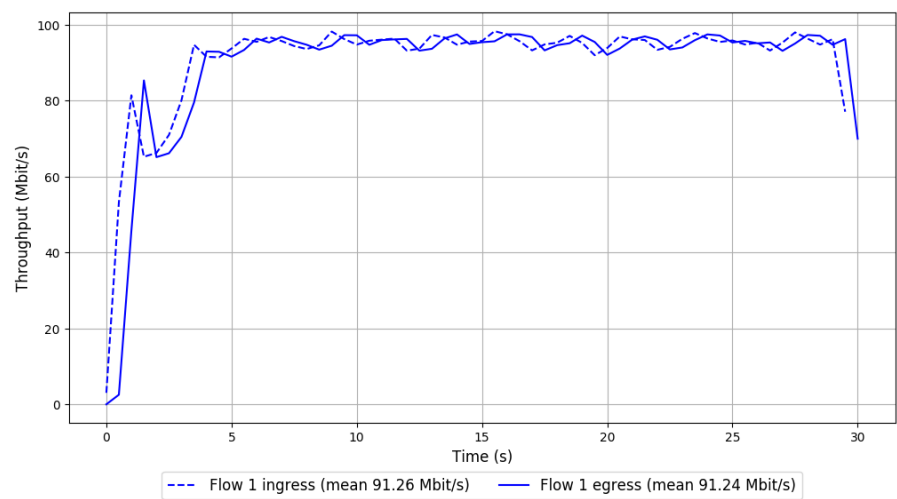
-- Flow 1:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: 35.118 ms

Loss rate: 0.24%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-25 00:26:58

End at: 2018-07-25 00:27:28

Local clock offset: -0.319 ms

Remote clock offset: 2.082 ms

Below is generated by plot.py at 2018-07-25 03:34:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.41 Mbit/s

95th percentile per-packet one-way delay: 35.641 ms

Loss rate: 0.24%

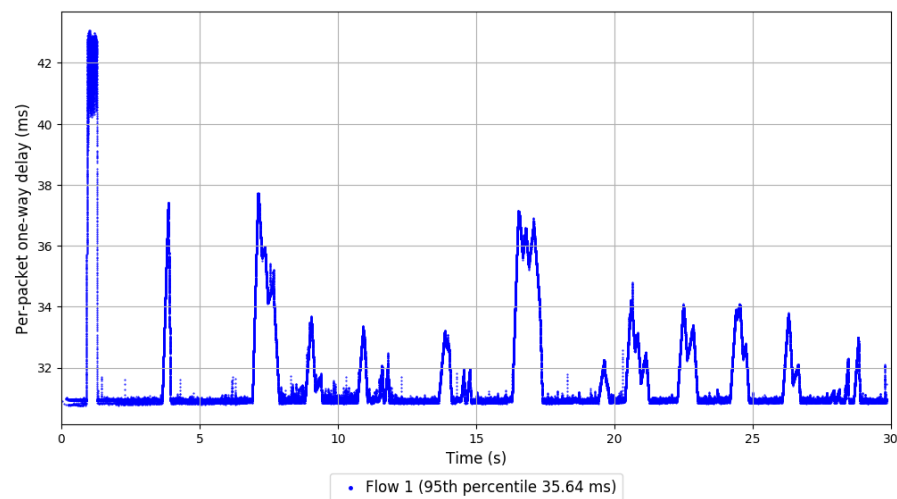
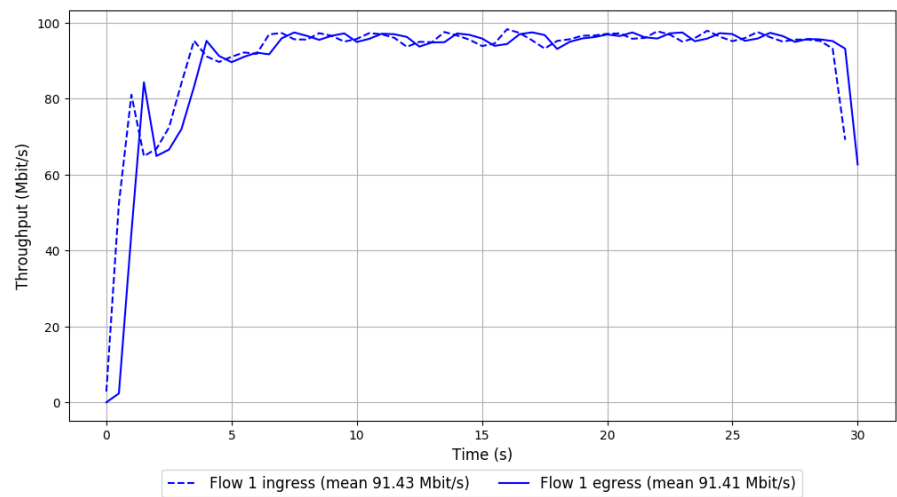
-- Flow 1:

Average throughput: 91.41 Mbit/s

95th percentile per-packet one-way delay: 35.641 ms

Loss rate: 0.24%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-25 00:49:15

End at: 2018-07-25 00:49:45

Local clock offset: -0.07 ms

Remote clock offset: 1.595 ms

Below is generated by plot.py at 2018-07-25 03:34:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.34 Mbit/s

95th percentile per-packet one-way delay: 35.315 ms

Loss rate: 0.23%

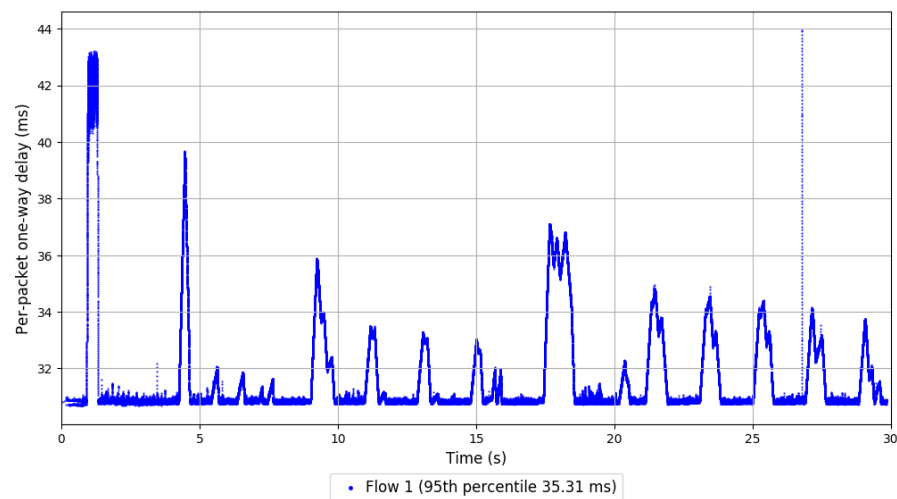
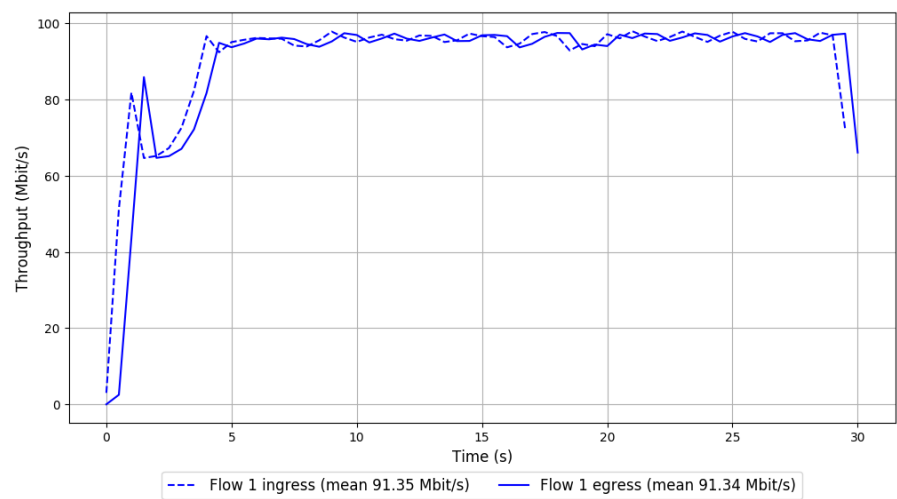
-- Flow 1:

Average throughput: 91.34 Mbit/s

95th percentile per-packet one-way delay: 35.315 ms

Loss rate: 0.23%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-25 01:11:29

End at: 2018-07-25 01:11:59

Local clock offset: 0.115 ms

Remote clock offset: 1.306 ms

Below is generated by plot.py at 2018-07-25 03:34:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.13 Mbit/s

95th percentile per-packet one-way delay: 36.013 ms

Loss rate: 0.23%

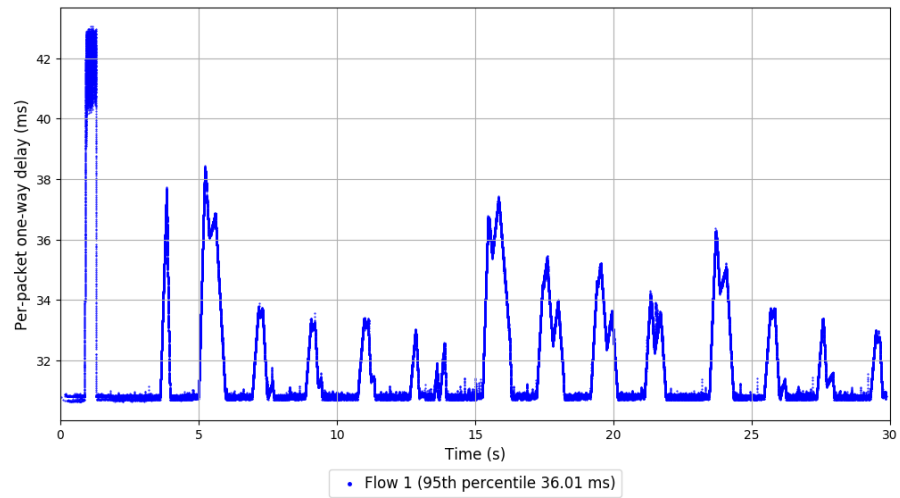
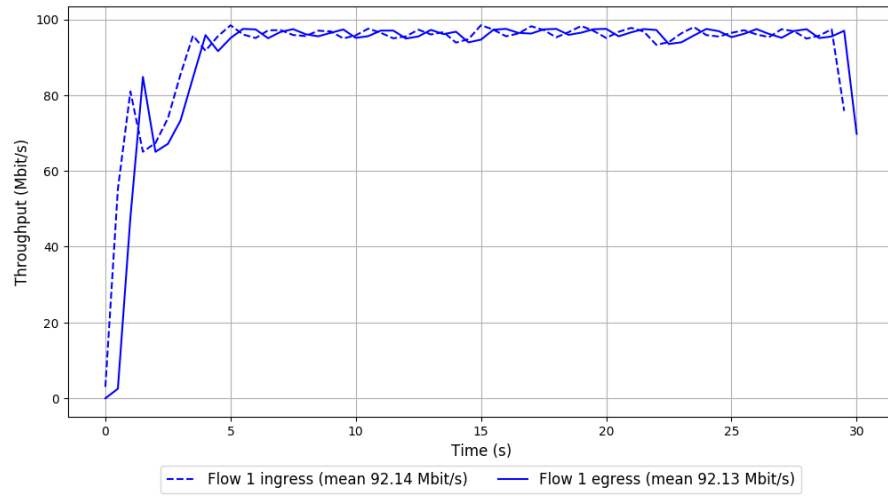
-- Flow 1:

Average throughput: 92.13 Mbit/s

95th percentile per-packet one-way delay: 36.013 ms

Loss rate: 0.23%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-25 01:33:53

End at: 2018-07-25 01:34:23

Local clock offset: 0.648 ms

Remote clock offset: 1.27 ms

Below is generated by plot.py at 2018-07-25 03:34:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 35.558 ms

Loss rate: 0.23%

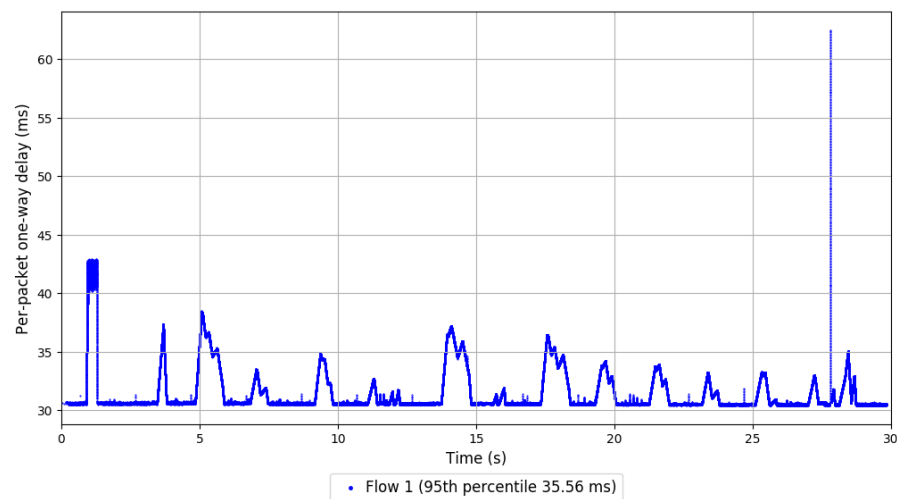
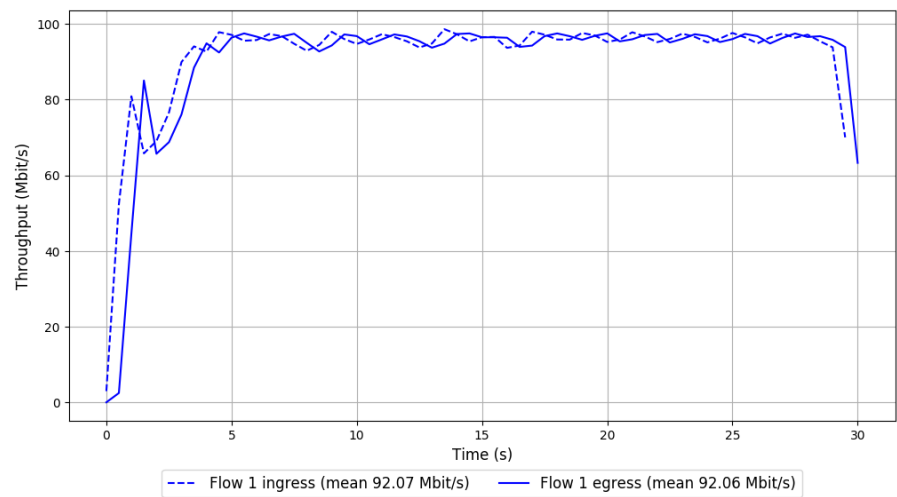
-- Flow 1:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 35.558 ms

Loss rate: 0.23%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-25 01:56:19

End at: 2018-07-25 01:56:49

Local clock offset: 3.518 ms

Remote clock offset: 1.349 ms

Below is generated by plot.py at 2018-07-25 03:34:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.04 Mbit/s

95th percentile per-packet one-way delay: 34.662 ms

Loss rate: 0.23%

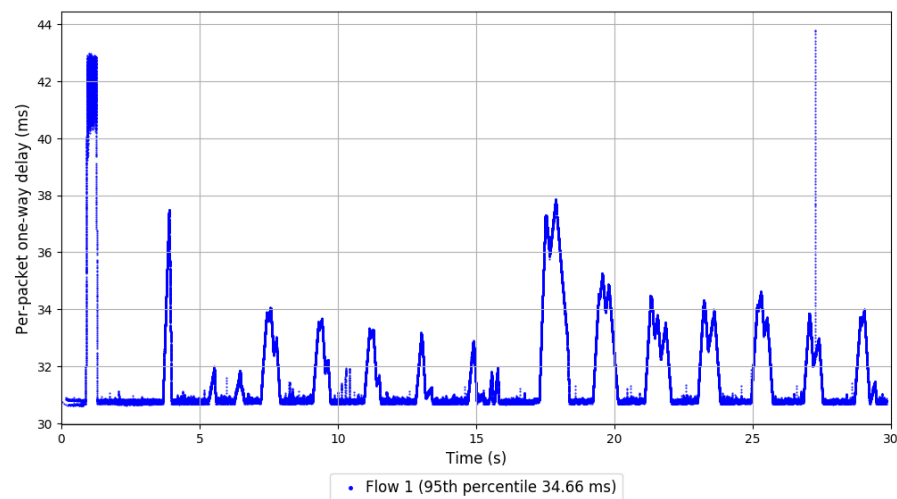
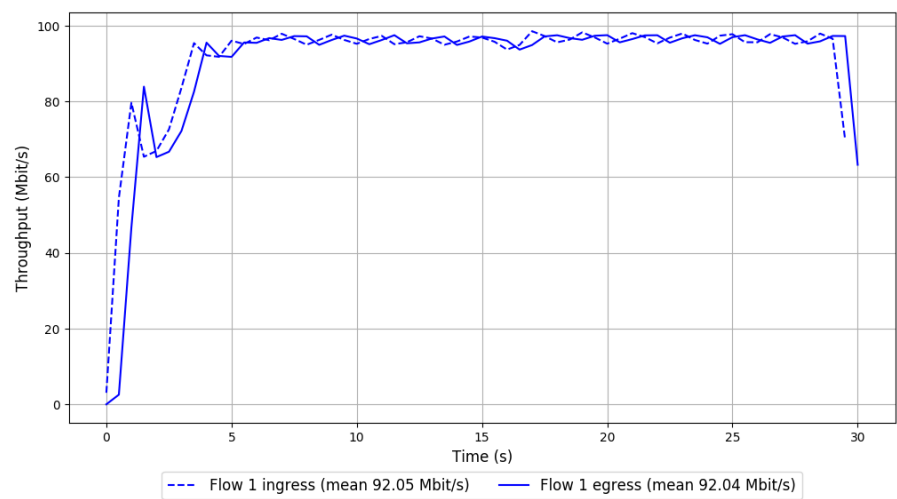
-- Flow 1:

Average throughput: 92.04 Mbit/s

95th percentile per-packet one-way delay: 34.662 ms

Loss rate: 0.23%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-25 02:18:35

End at: 2018-07-25 02:19:05

Local clock offset: 4.348 ms

Remote clock offset: 1.283 ms

Below is generated by plot.py at 2018-07-25 03:34:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.46 Mbit/s

95th percentile per-packet one-way delay: 36.036 ms

Loss rate: 0.24%

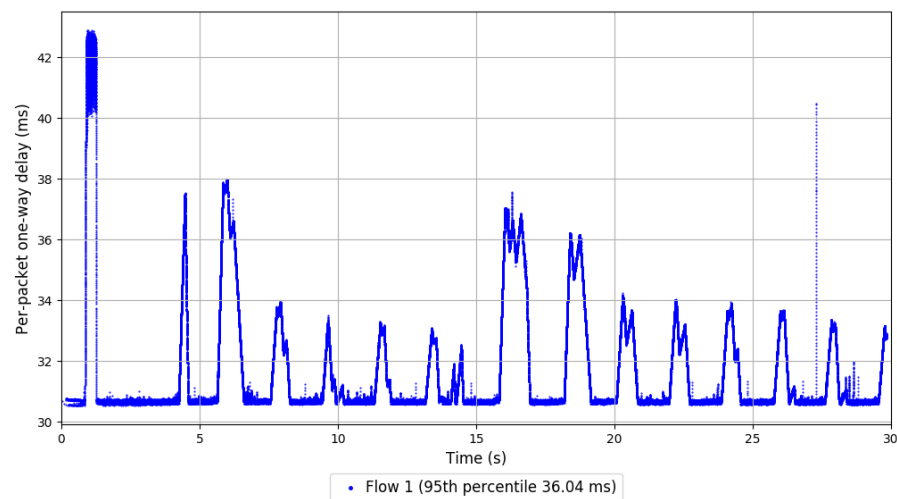
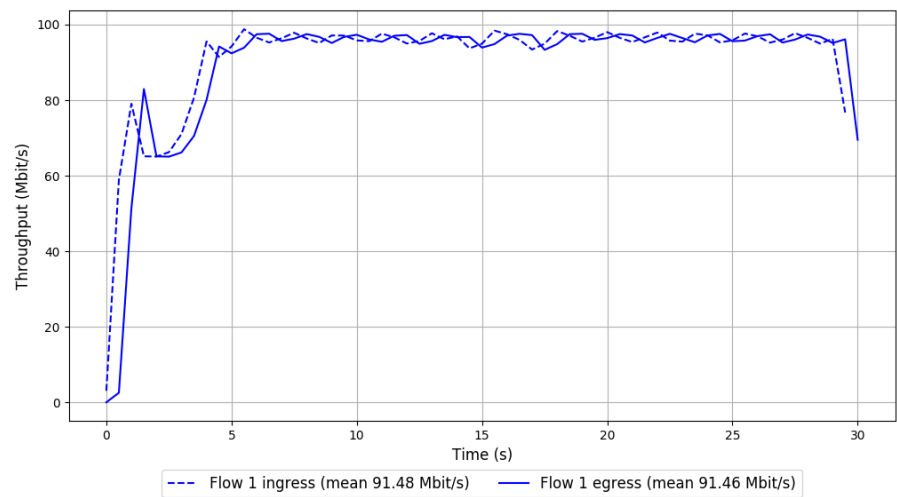
-- Flow 1:

Average throughput: 91.46 Mbit/s

95th percentile per-packet one-way delay: 36.036 ms

Loss rate: 0.24%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-25 02:40:55

End at: 2018-07-25 02:41:25

Local clock offset: 3.483 ms

Remote clock offset: 1.429 ms

Below is generated by plot.py at 2018-07-25 03:35:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.56 Mbit/s

95th percentile per-packet one-way delay: 35.855 ms

Loss rate: 0.22%

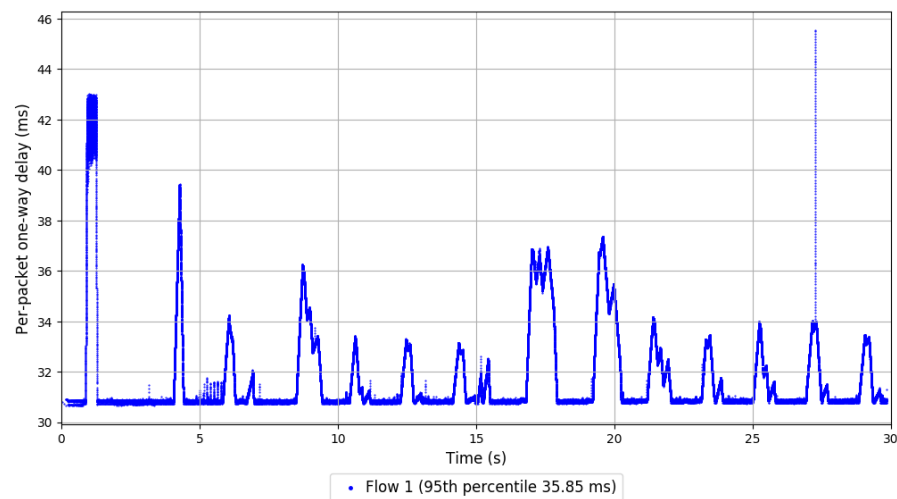
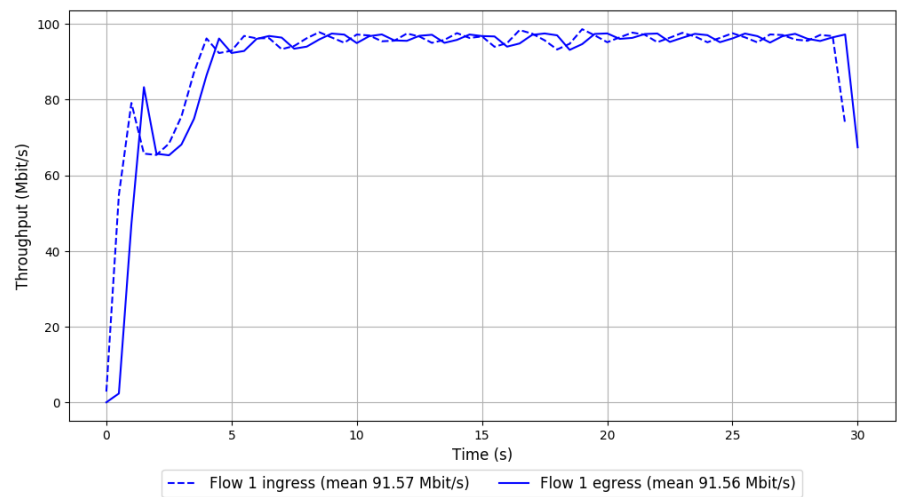
-- Flow 1:

Average throughput: 91.56 Mbit/s

95th percentile per-packet one-way delay: 35.855 ms

Loss rate: 0.22%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-25 03:03:13

End at: 2018-07-25 03:03:43

Local clock offset: 2.334 ms

Remote clock offset: 1.33 ms

Below is generated by plot.py at 2018-07-25 03:35:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.16 Mbit/s

95th percentile per-packet one-way delay: 35.034 ms

Loss rate: 0.23%

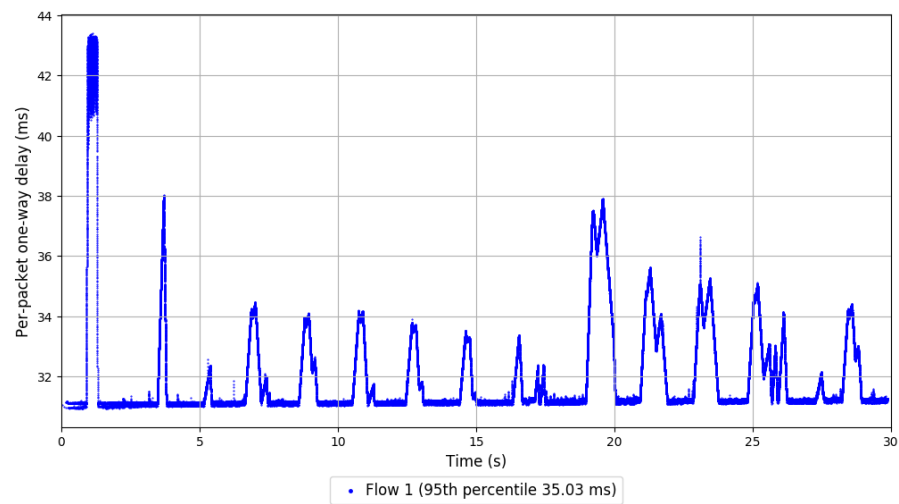
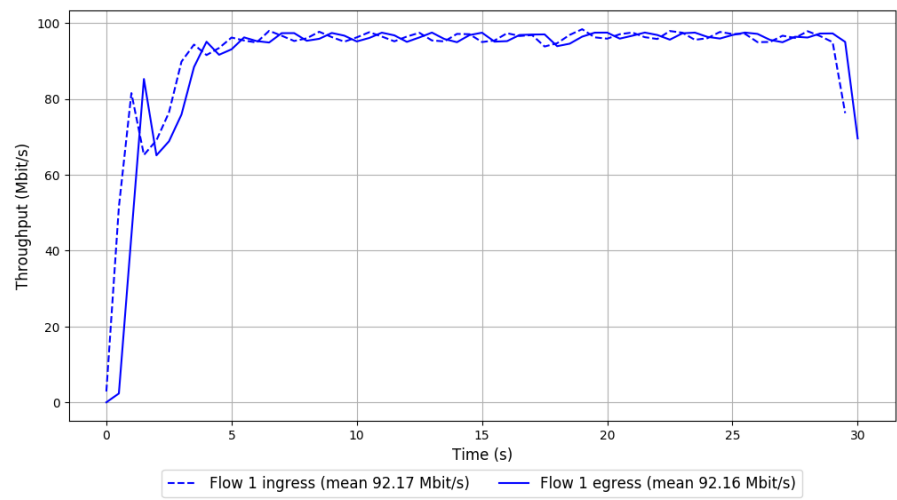
-- Flow 1:

Average throughput: 92.16 Mbit/s

95th percentile per-packet one-way delay: 35.034 ms

Loss rate: 0.23%

Run 10: Report of PCC-Allegro — Data Link

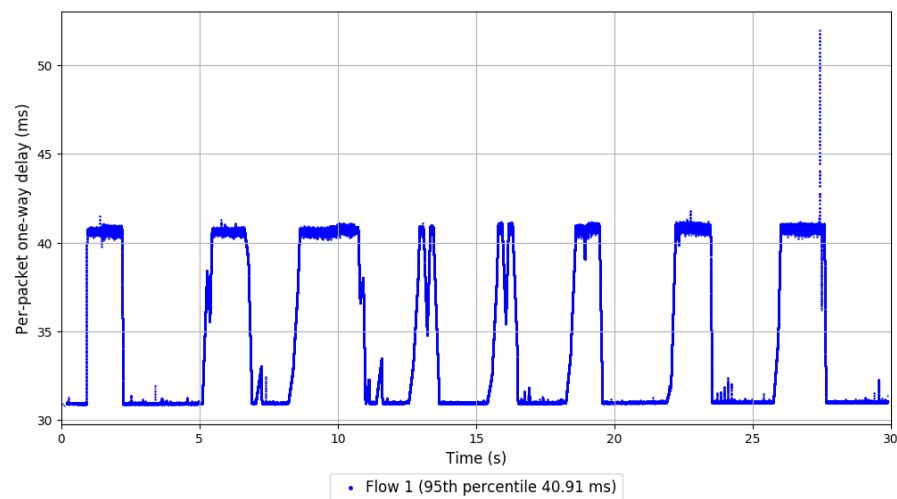
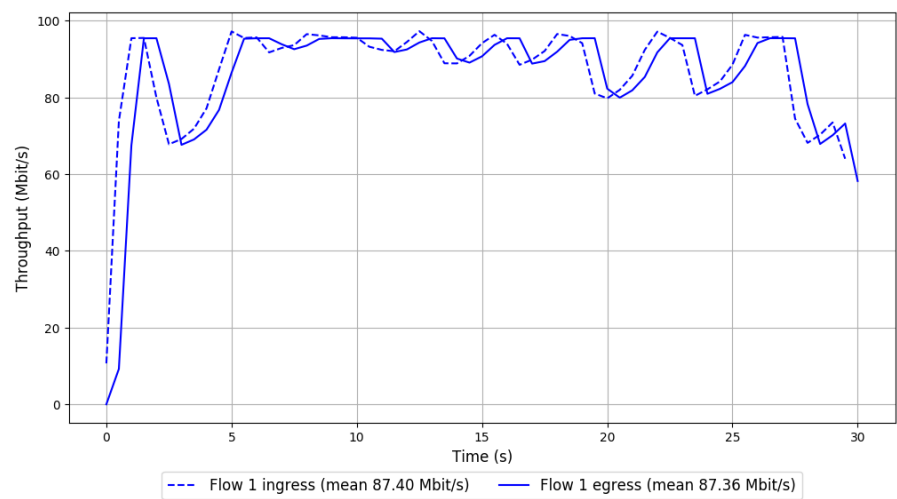


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-24 23:37:11
End at: 2018-07-24 23:37:41
Local clock offset: 1.536 ms
Remote clock offset: 2.193 ms

# Below is generated by plot.py at 2018-07-25 03:36:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 40.906 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 40.906 ms
Loss rate: 0.26%
```


Run 1: Report of PCC-Expr — Data Link

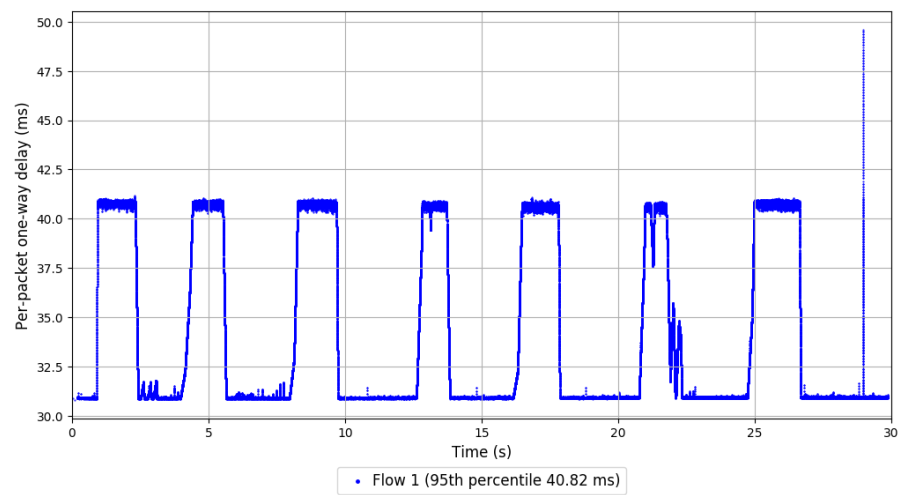
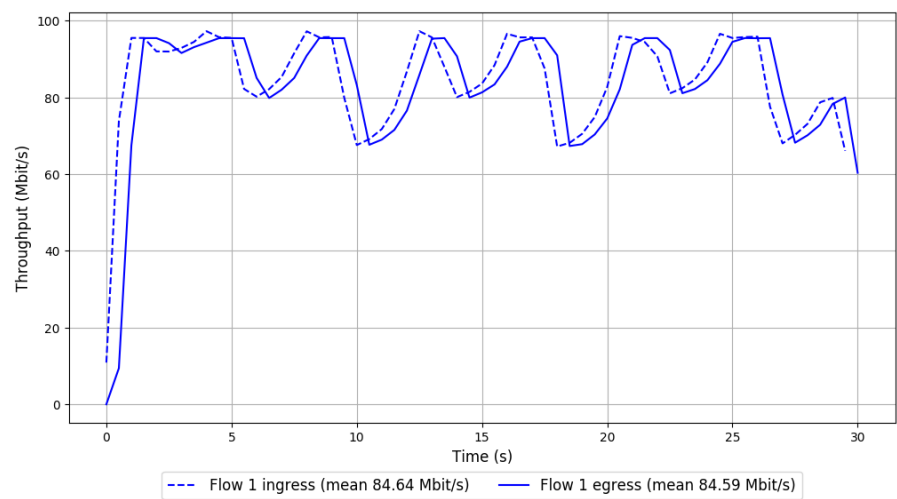


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-24 23:59:27
End at: 2018-07-24 23:59:57
Local clock offset: -0.727 ms
Remote clock offset: 2.536 ms

# Below is generated by plot.py at 2018-07-25 03:36:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 40.816 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 40.816 ms
Loss rate: 0.28%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-25 00:21:42

End at: 2018-07-25 00:22:12

Local clock offset: -0.339 ms

Remote clock offset: 2.235 ms

Below is generated by plot.py at 2018-07-25 03:36:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.36 Mbit/s

95th percentile per-packet one-way delay: 40.562 ms

Loss rate: 0.33%

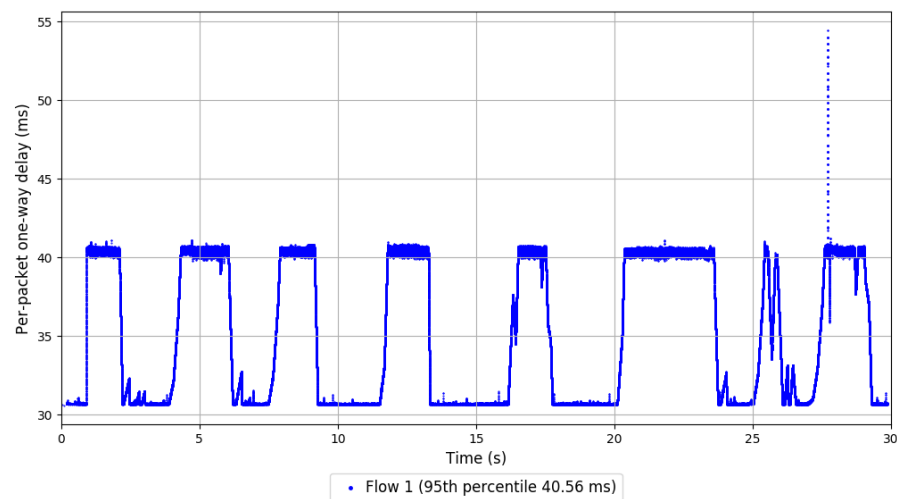
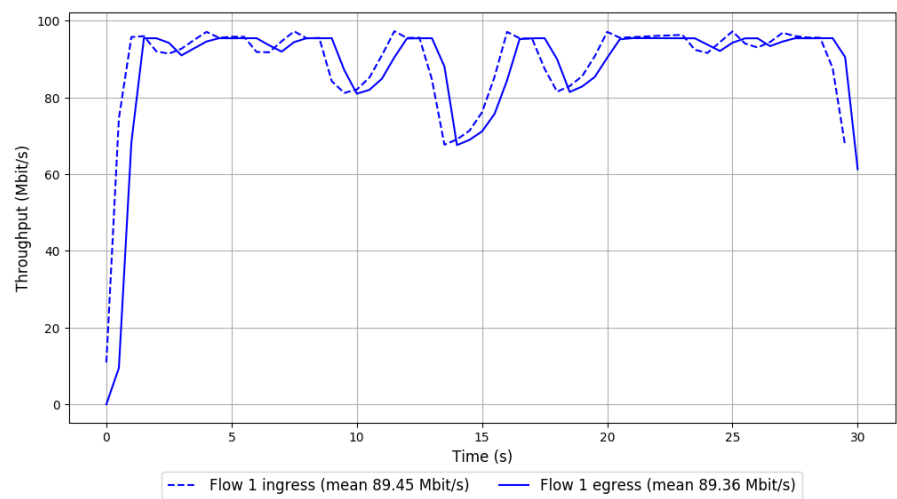
-- Flow 1:

Average throughput: 89.36 Mbit/s

95th percentile per-packet one-way delay: 40.562 ms

Loss rate: 0.33%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-25 00:43:58

End at: 2018-07-25 00:44:28

Local clock offset: -0.066 ms

Remote clock offset: 1.897 ms

Below is generated by plot.py at 2018-07-25 03:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.19 Mbit/s

95th percentile per-packet one-way delay: 40.775 ms

Loss rate: 0.28%

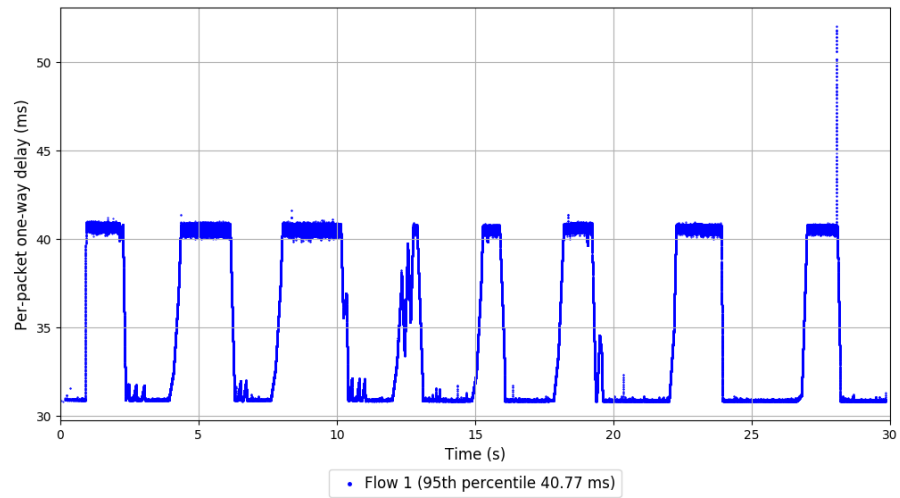
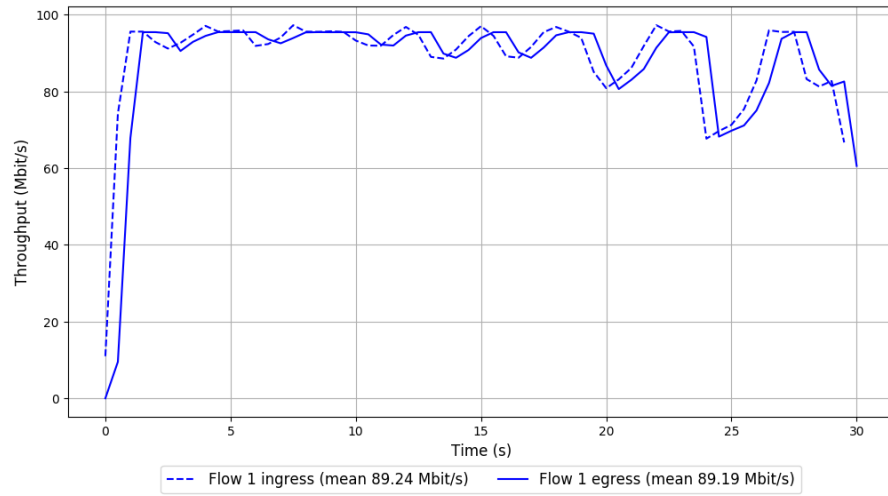
-- Flow 1:

Average throughput: 89.19 Mbit/s

95th percentile per-packet one-way delay: 40.775 ms

Loss rate: 0.28%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-25 01:06:11

End at: 2018-07-25 01:06:41

Local clock offset: 0.027 ms

Remote clock offset: 1.312 ms

Below is generated by plot.py at 2018-07-25 03:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.86 Mbit/s

95th percentile per-packet one-way delay: 40.826 ms

Loss rate: 0.37%

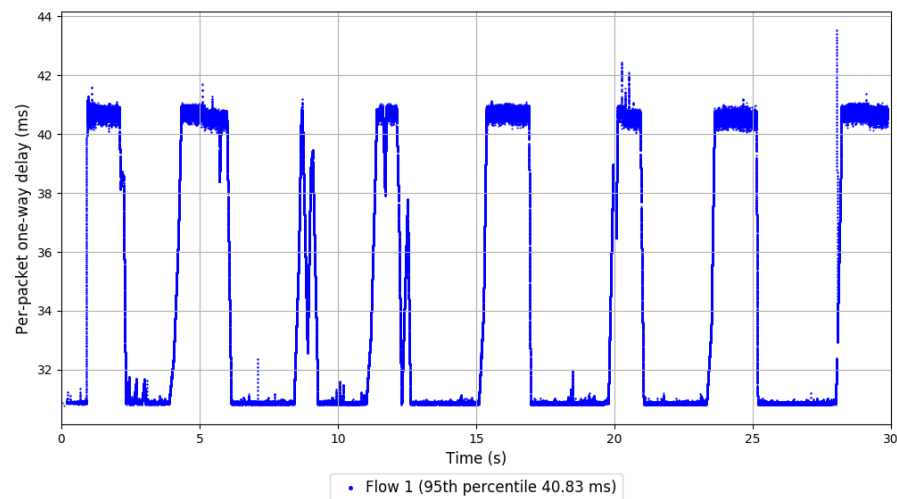
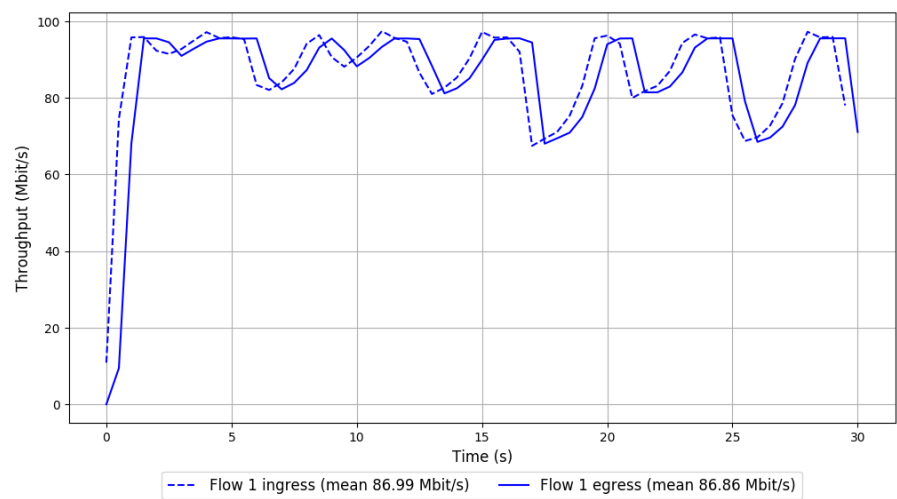
-- Flow 1:

Average throughput: 86.86 Mbit/s

95th percentile per-packet one-way delay: 40.826 ms

Loss rate: 0.37%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-25 01:28:37

End at: 2018-07-25 01:29:07

Local clock offset: -0.021 ms

Remote clock offset: 1.338 ms

Below is generated by plot.py at 2018-07-25 03:36:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.74 Mbit/s

95th percentile per-packet one-way delay: 40.760 ms

Loss rate: 0.32%

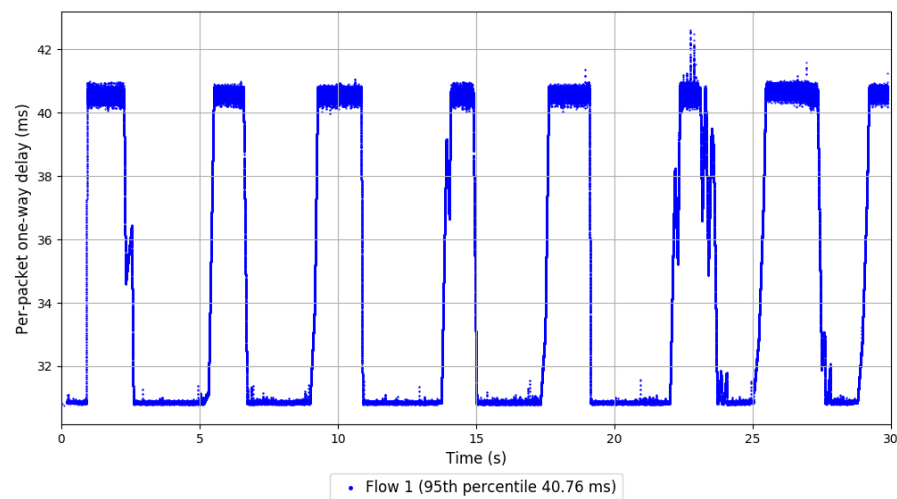
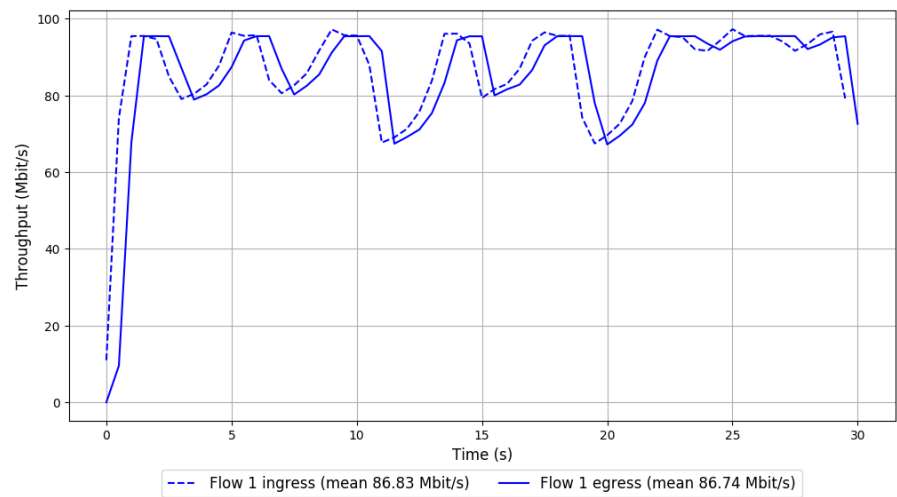
-- Flow 1:

Average throughput: 86.74 Mbit/s

95th percentile per-packet one-way delay: 40.760 ms

Loss rate: 0.32%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-25 01:51:03

End at: 2018-07-25 01:51:33

Local clock offset: 3.305 ms

Remote clock offset: 1.278 ms

Below is generated by plot.py at 2018-07-25 03:37:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.67 Mbit/s

95th percentile per-packet one-way delay: 40.707 ms

Loss rate: 0.34%

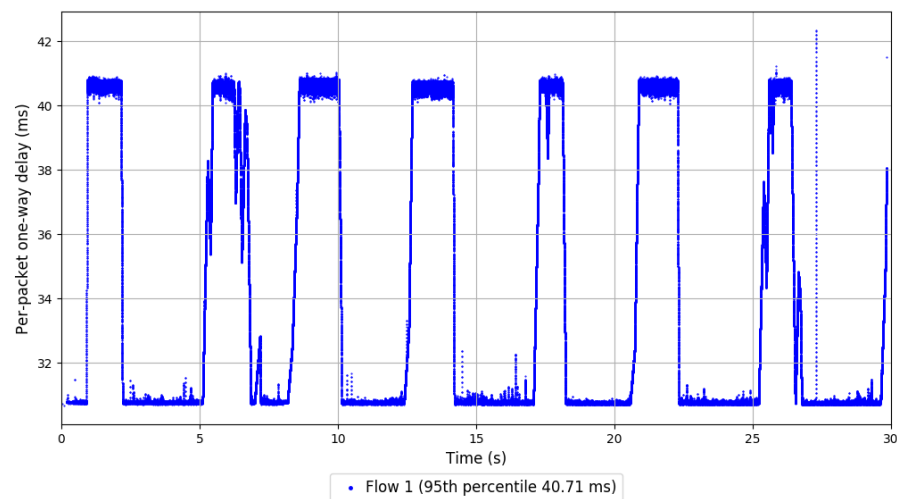
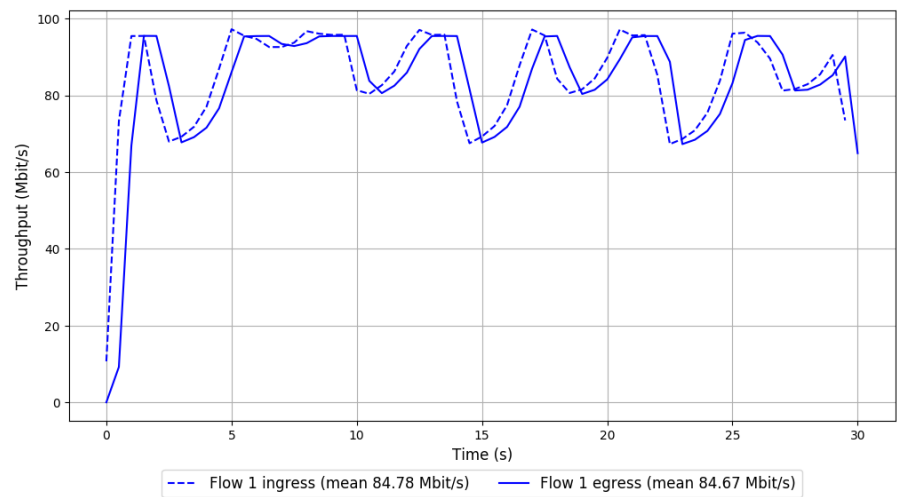
-- Flow 1:

Average throughput: 84.67 Mbit/s

95th percentile per-packet one-way delay: 40.707 ms

Loss rate: 0.34%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-25 02:13:20

End at: 2018-07-25 02:13:51

Local clock offset: 4.282 ms

Remote clock offset: 1.342 ms

Below is generated by plot.py at 2018-07-25 03:37:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.11 Mbit/s

95th percentile per-packet one-way delay: 40.680 ms

Loss rate: 0.32%

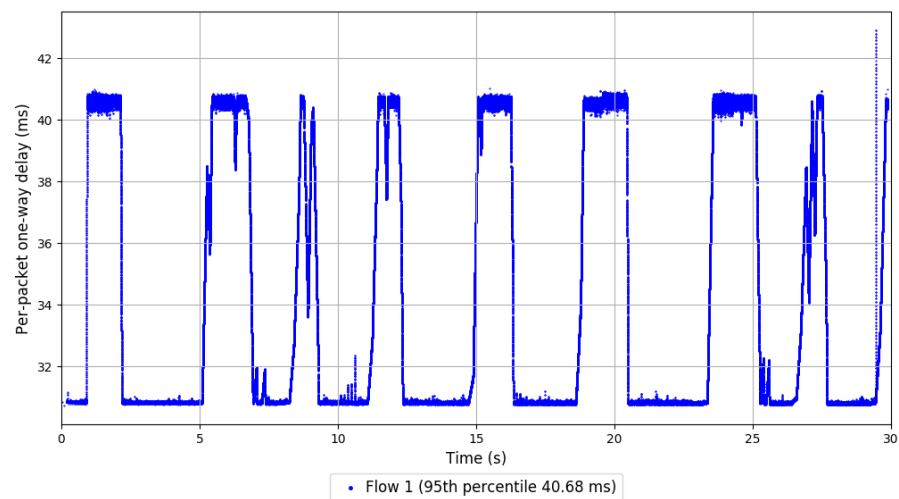
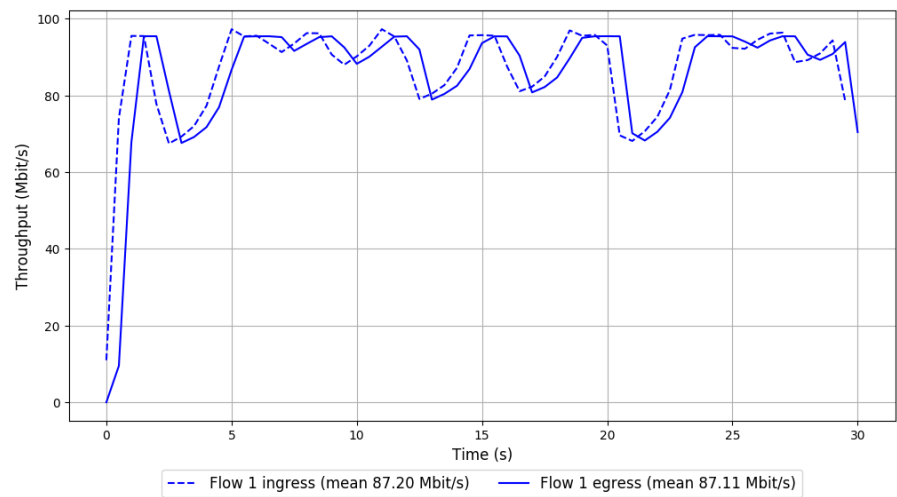
-- Flow 1:

Average throughput: 87.11 Mbit/s

95th percentile per-packet one-way delay: 40.680 ms

Loss rate: 0.32%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-25 02:35:36

End at: 2018-07-25 02:36:06

Local clock offset: 4.039 ms

Remote clock offset: 1.449 ms

Below is generated by plot.py at 2018-07-25 03:38:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.13 Mbit/s

95th percentile per-packet one-way delay: 40.867 ms

Loss rate: 0.26%

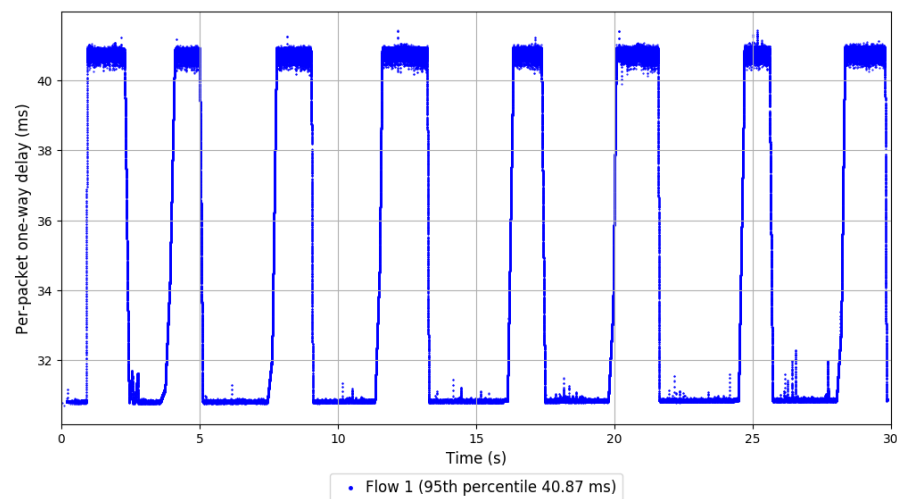
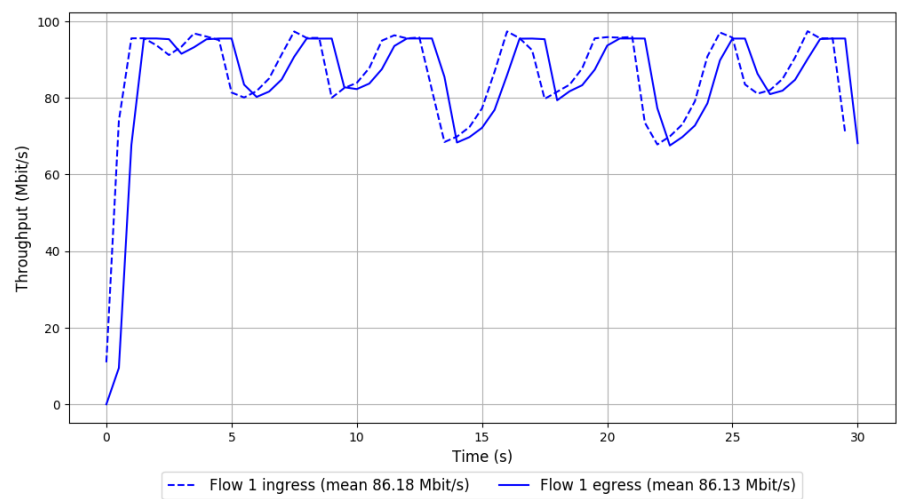
-- Flow 1:

Average throughput: 86.13 Mbit/s

95th percentile per-packet one-way delay: 40.867 ms

Loss rate: 0.26%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-25 02:57:58

End at: 2018-07-25 02:58:28

Local clock offset: 2.789 ms

Remote clock offset: 1.39 ms

Below is generated by plot.py at 2018-07-25 03:38:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.07 Mbit/s

95th percentile per-packet one-way delay: 40.695 ms

Loss rate: 0.31%

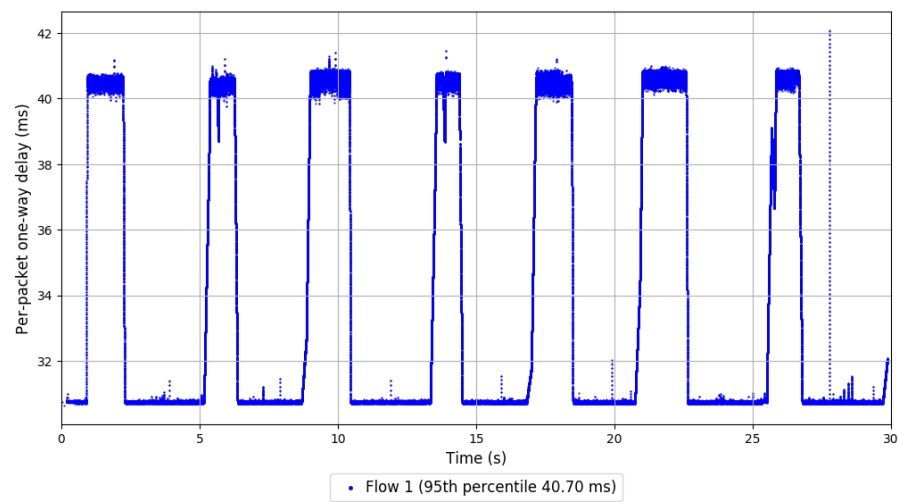
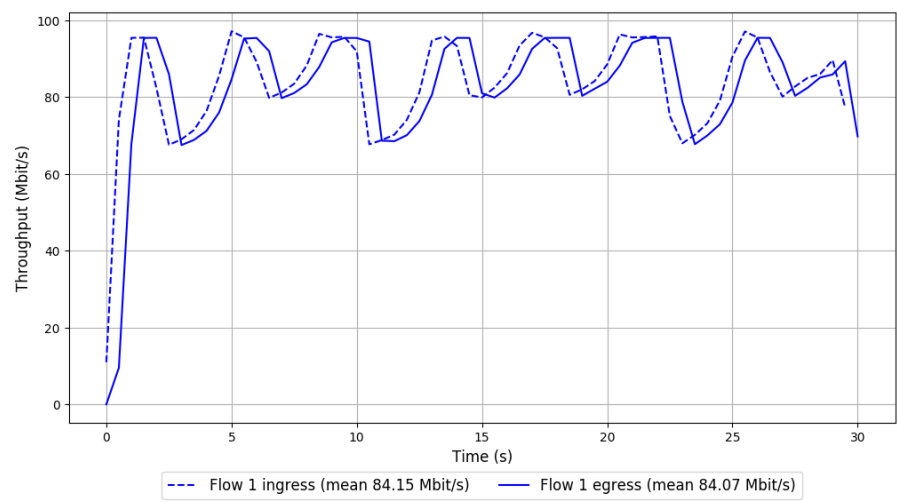
-- Flow 1:

Average throughput: 84.07 Mbit/s

95th percentile per-packet one-way delay: 40.695 ms

Loss rate: 0.31%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-24 23:55:35

End at: 2018-07-24 23:56:05

Local clock offset: -0.528 ms

Remote clock offset: 2.503 ms

Below is generated by plot.py at 2018-07-25 03:38:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.97 Mbit/s

95th percentile per-packet one-way delay: 40.205 ms

Loss rate: 0.30%

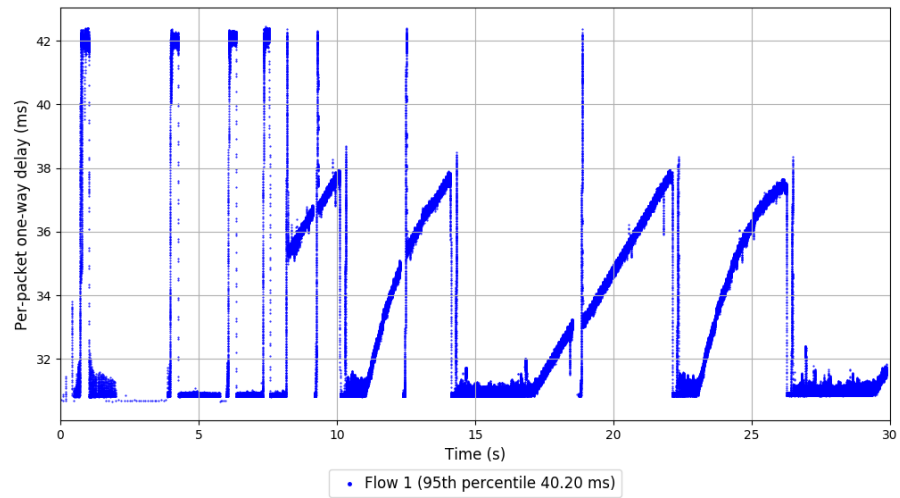
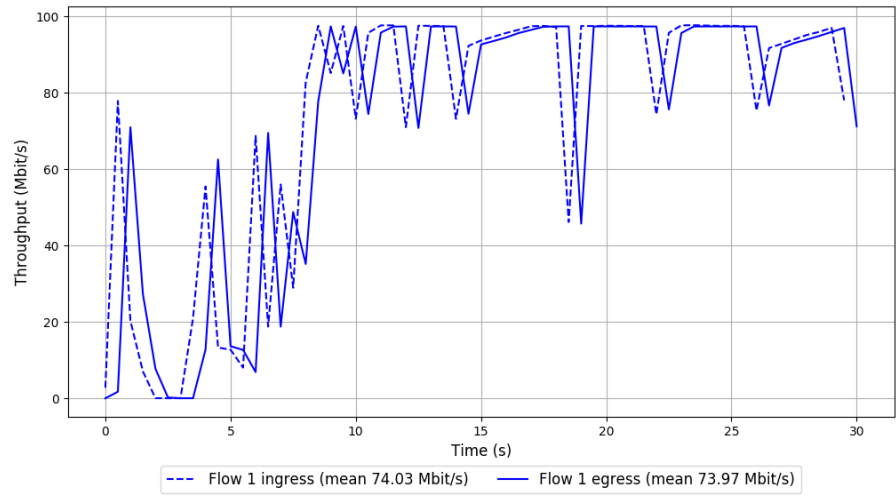
-- Flow 1:

Average throughput: 73.97 Mbit/s

95th percentile per-packet one-way delay: 40.205 ms

Loss rate: 0.30%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-25 00:17:51

End at: 2018-07-25 00:18:21

Local clock offset: -0.253 ms

Remote clock offset: 2.228 ms

Below is generated by plot.py at 2018-07-25 03:38:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.74 Mbit/s

95th percentile per-packet one-way delay: 40.478 ms

Loss rate: 0.30%

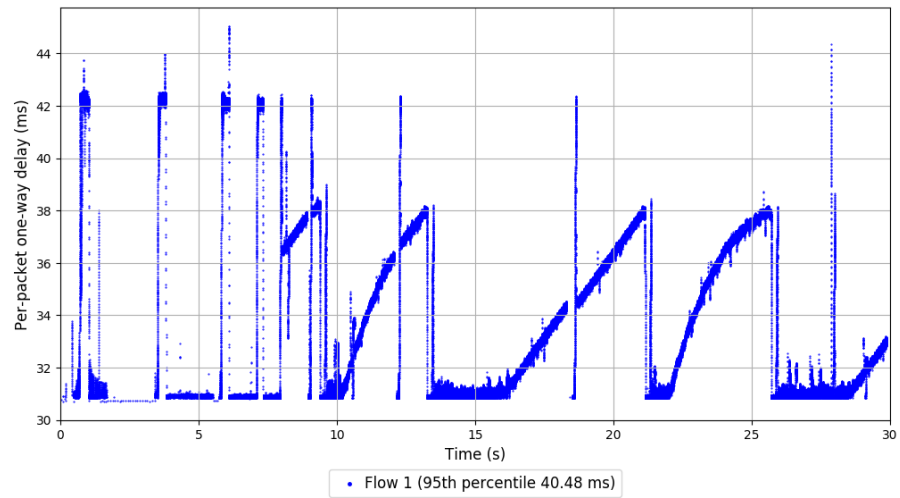
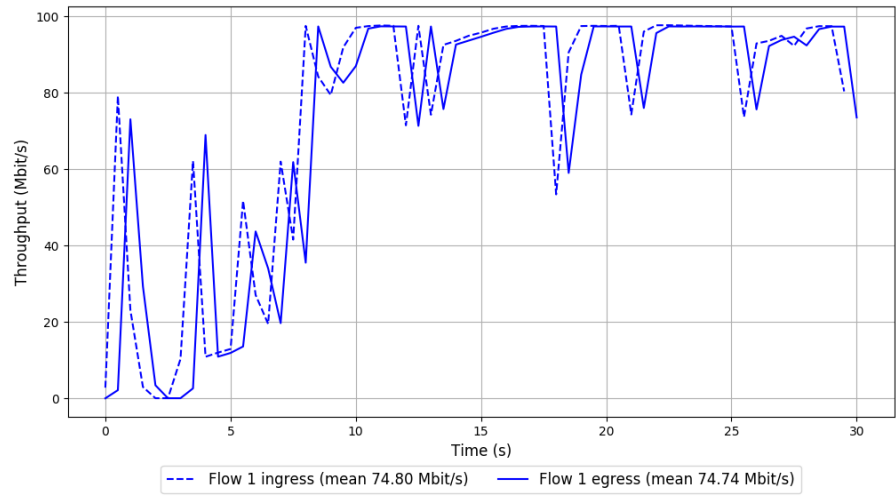
-- Flow 1:

Average throughput: 74.74 Mbit/s

95th percentile per-packet one-way delay: 40.478 ms

Loss rate: 0.30%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-25 00:40:06

End at: 2018-07-25 00:40:36

Local clock offset: -0.113 ms

Remote clock offset: 2.087 ms

Below is generated by plot.py at 2018-07-25 03:38:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.50 Mbit/s

95th percentile per-packet one-way delay: 40.328 ms

Loss rate: 0.28%

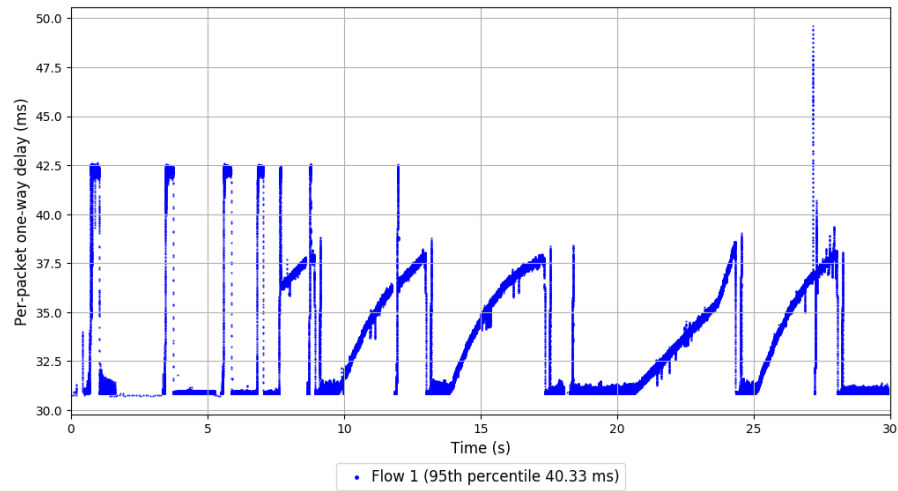
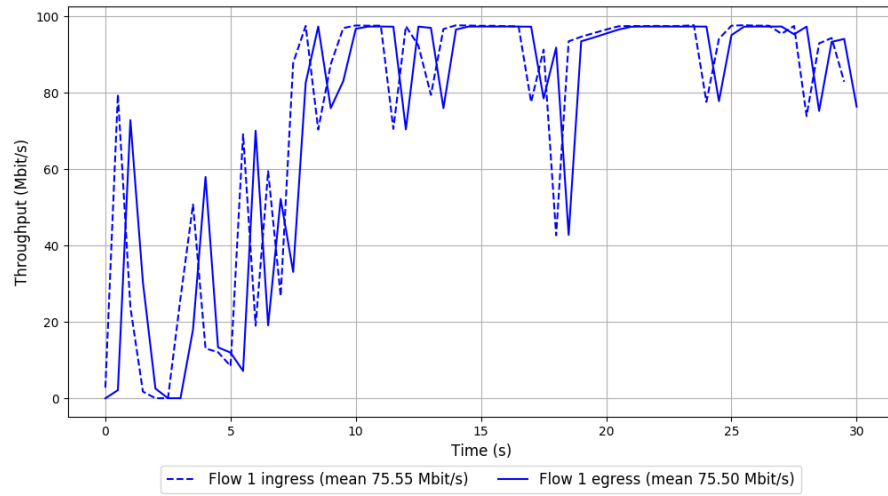
-- Flow 1:

Average throughput: 75.50 Mbit/s

95th percentile per-packet one-way delay: 40.328 ms

Loss rate: 0.28%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-25 01:02:20

End at: 2018-07-25 01:02:50

Local clock offset: -0.086 ms

Remote clock offset: 1.351 ms

Below is generated by plot.py at 2018-07-25 03:38:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.15 Mbit/s

95th percentile per-packet one-way delay: 40.242 ms

Loss rate: 0.29%

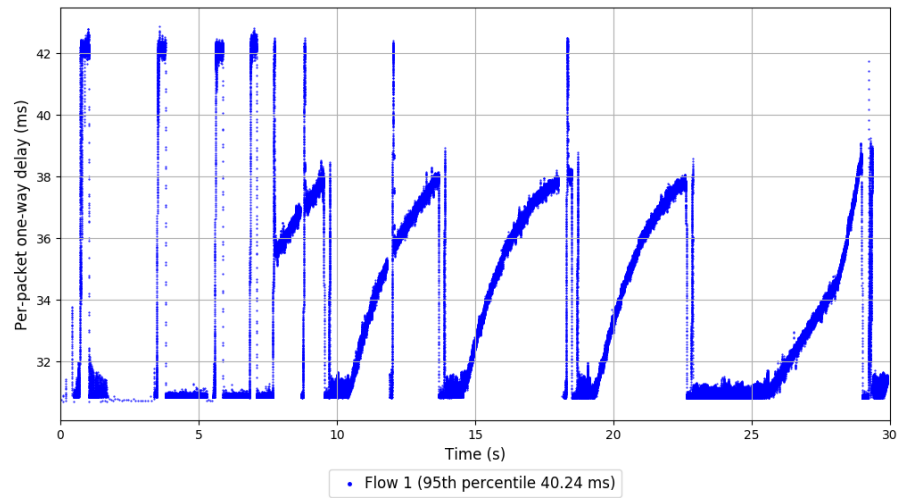
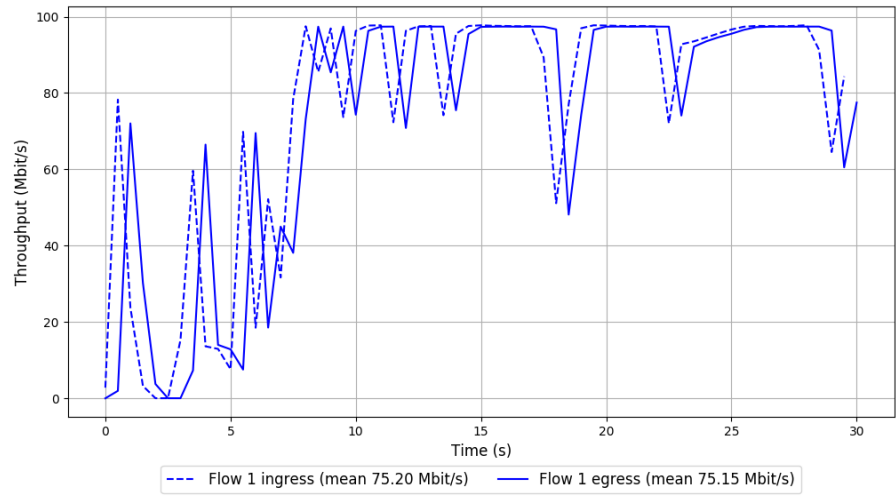
-- Flow 1:

Average throughput: 75.15 Mbit/s

95th percentile per-packet one-way delay: 40.242 ms

Loss rate: 0.29%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-25 01:24:45

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

Local clock offset: 0.081 ms

Remote clock offset: 1.305 ms

Below is generated by plot.py at 2018-07-25 03:38:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.33 Mbit/s

95th percentile per-packet one-way delay: 42.008 ms

Loss rate: 0.29%

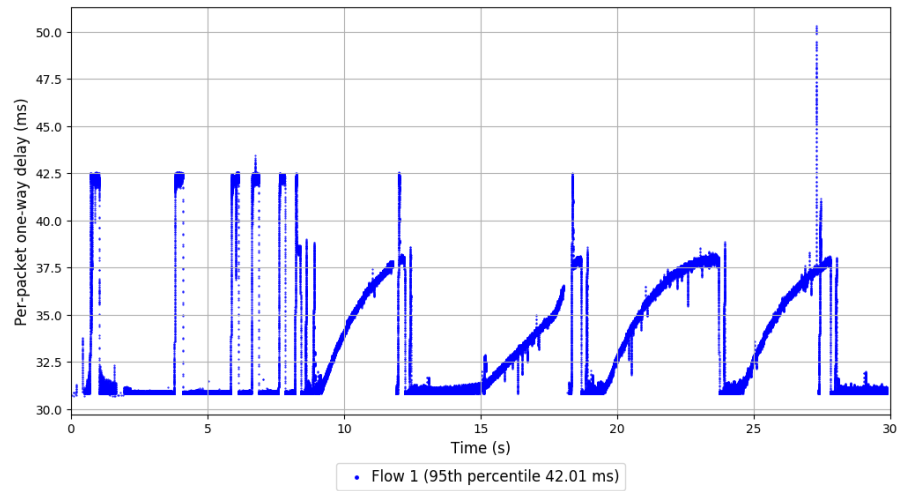
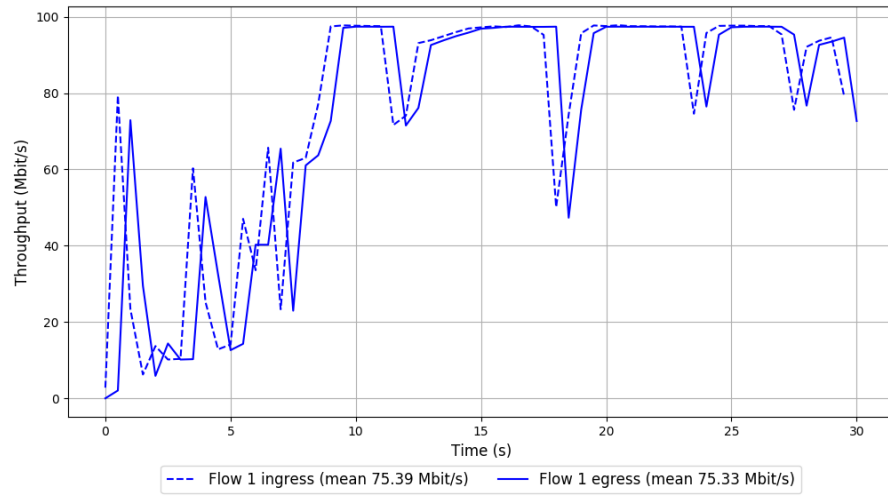
-- Flow 1:

Average throughput: 75.33 Mbit/s

95th percentile per-packet one-way delay: 42.008 ms

Loss rate: 0.29%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-25 01:47:11

End at: 2018-07-25 01:47:41

Local clock offset: 3.007 ms

Remote clock offset: 1.237 ms

Below is generated by plot.py at 2018-07-25 03:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.33 Mbit/s

95th percentile per-packet one-way delay: 40.027 ms

Loss rate: 0.28%

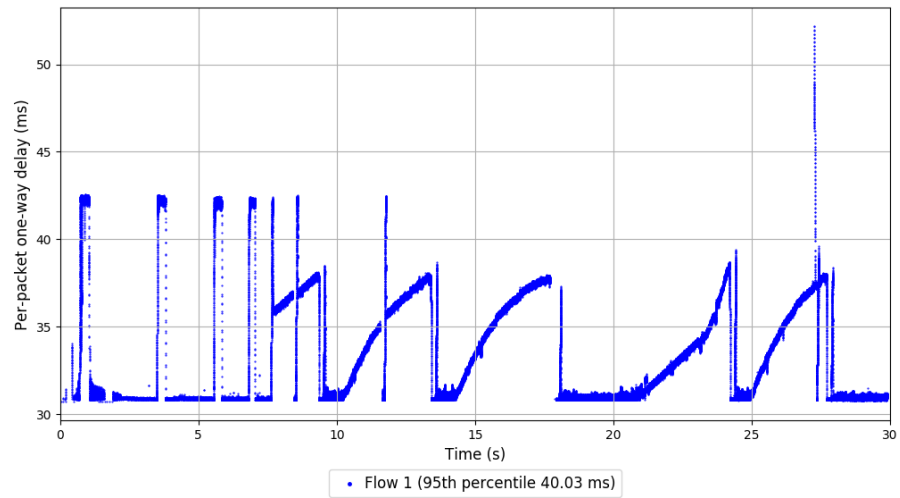
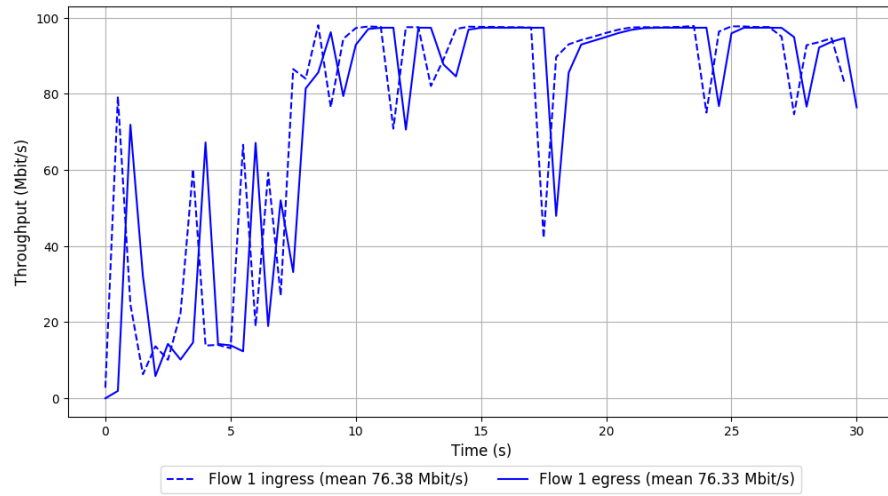
-- Flow 1:

Average throughput: 76.33 Mbit/s

95th percentile per-packet one-way delay: 40.027 ms

Loss rate: 0.28%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-25 02:09:29

End at: 2018-07-25 02:09:59

Local clock offset: 4.079 ms

Remote clock offset: 1.345 ms

Below is generated by plot.py at 2018-07-25 03:38:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.84 Mbit/s

95th percentile per-packet one-way delay: 37.847 ms

Loss rate: 0.26%

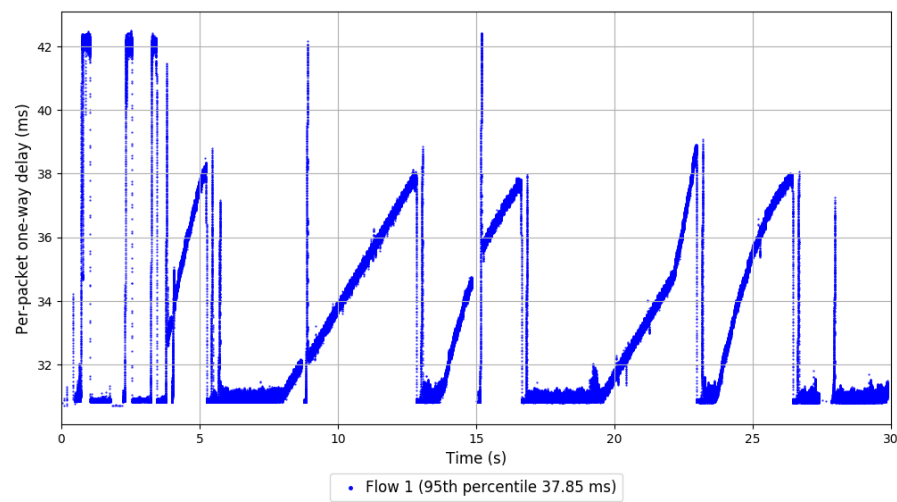
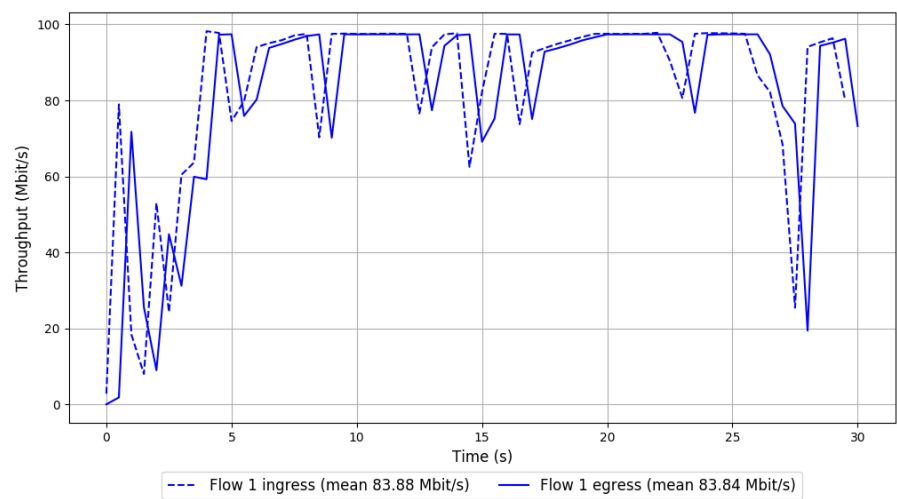
-- Flow 1:

Average throughput: 83.84 Mbit/s

95th percentile per-packet one-way delay: 37.847 ms

Loss rate: 0.26%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-25 02:31:44

End at: 2018-07-25 02:32:14

Local clock offset: 4.733 ms

Remote clock offset: 1.405 ms

Below is generated by plot.py at 2018-07-25 03:38:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 40.520 ms

Loss rate: 0.29%

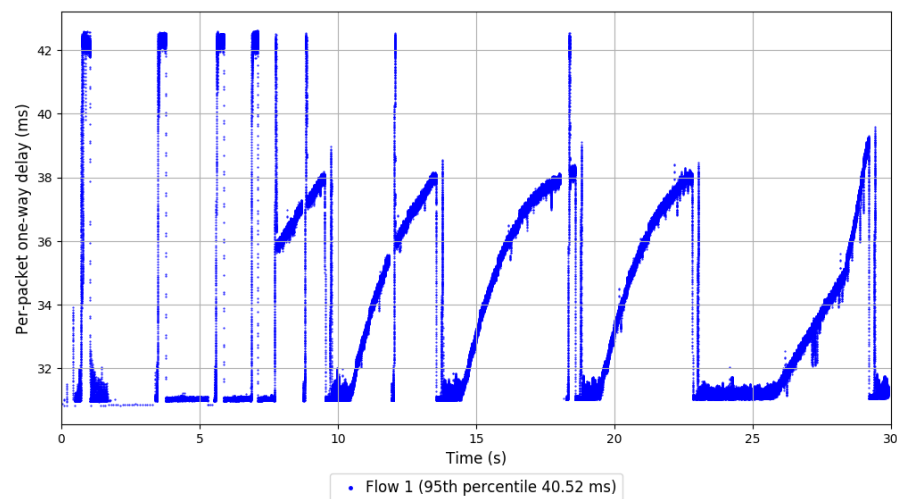
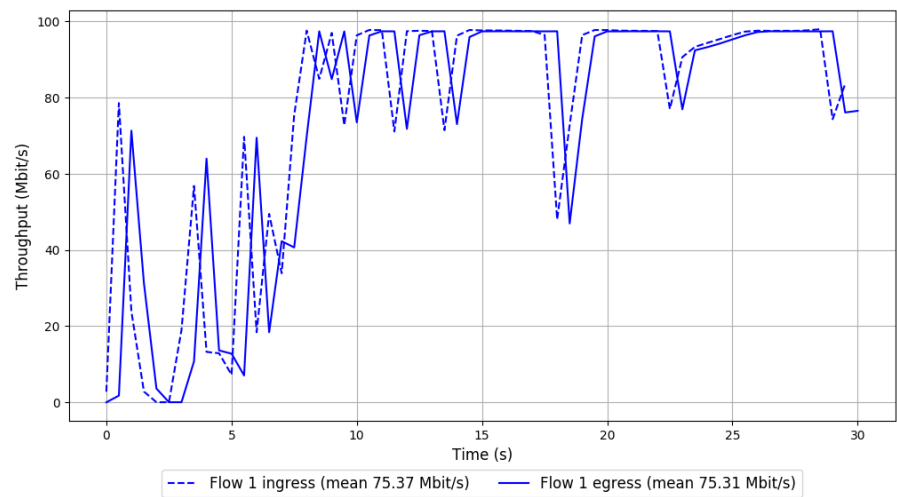
-- Flow 1:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 40.520 ms

Loss rate: 0.29%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-25 02:54:07

End at: 2018-07-25 02:54:37

Local clock offset: 2.976 ms

Remote clock offset: 1.419 ms

Below is generated by plot.py at 2018-07-25 03:38:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.67 Mbit/s

95th percentile per-packet one-way delay: 41.996 ms

Loss rate: 0.32%

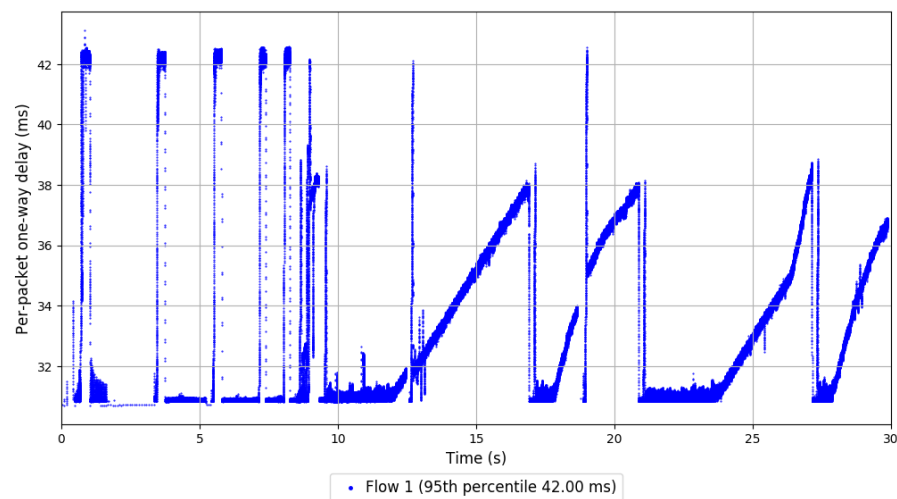
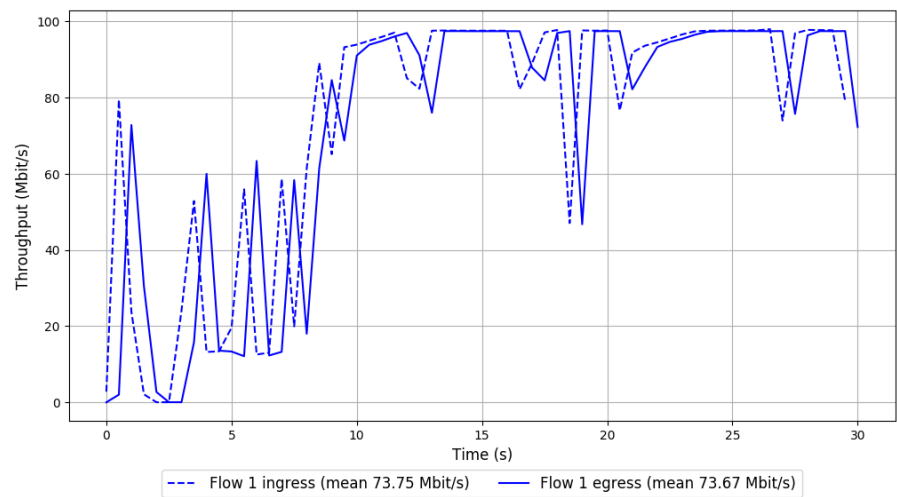
-- Flow 1:

Average throughput: 73.67 Mbit/s

95th percentile per-packet one-way delay: 41.996 ms

Loss rate: 0.32%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-25 03:16:22

End at: 2018-07-25 03:16:52

Local clock offset: 0.045 ms

Remote clock offset: 1.21 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.74 Mbit/s

95th percentile per-packet one-way delay: 42.118 ms

Loss rate: 0.31%

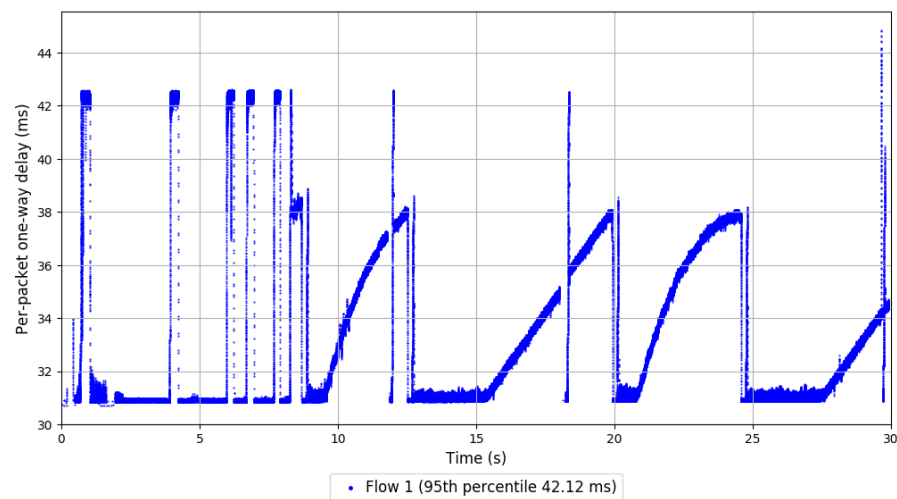
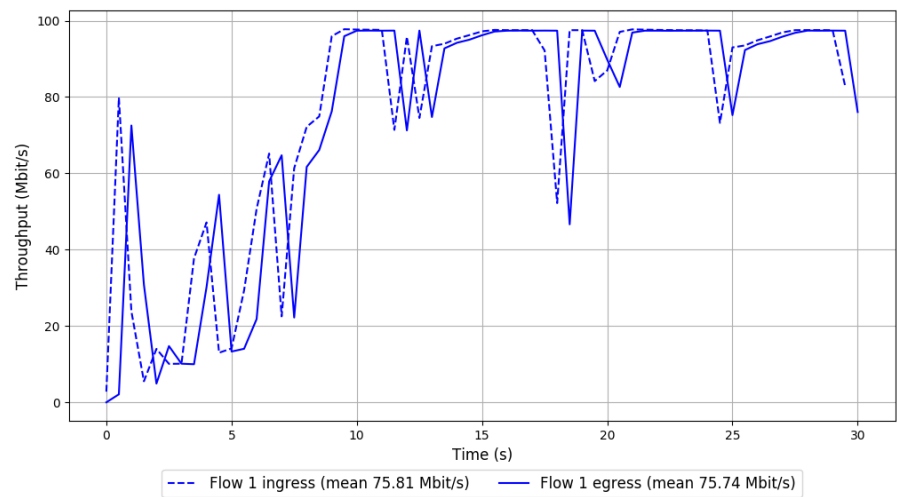
-- Flow 1:

Average throughput: 75.74 Mbit/s

95th percentile per-packet one-way delay: 42.118 ms

Loss rate: 0.31%

Run 10: Report of QUIC Cubic — Data Link

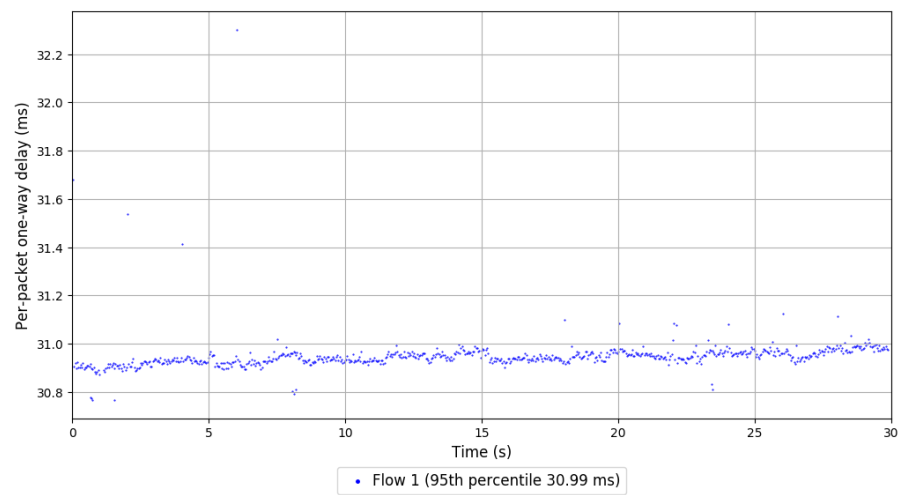
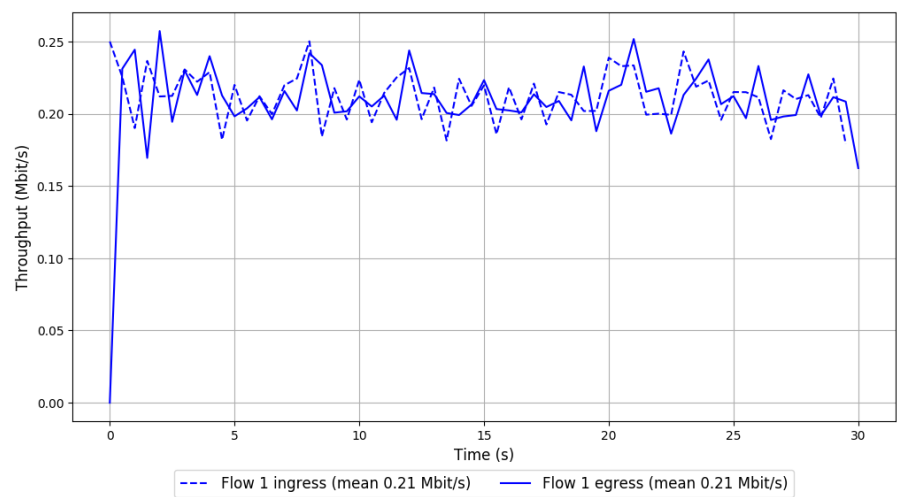


```
Run 1: Statistics of SCReAM

Start at: 2018-07-24 23:58:12
End at: 2018-07-24 23:58:42
Local clock offset: -0.662 ms
Remote clock offset: 2.471 ms

# Below is generated by plot.py at 2018-07-25 03:38:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.989 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.989 ms
Loss rate: 0.26%
```


Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-07-25 00:20:27

End at: 2018-07-25 00:20:57

Local clock offset: -0.242 ms

Remote clock offset: 2.182 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.903 ms

Loss rate: 0.26%

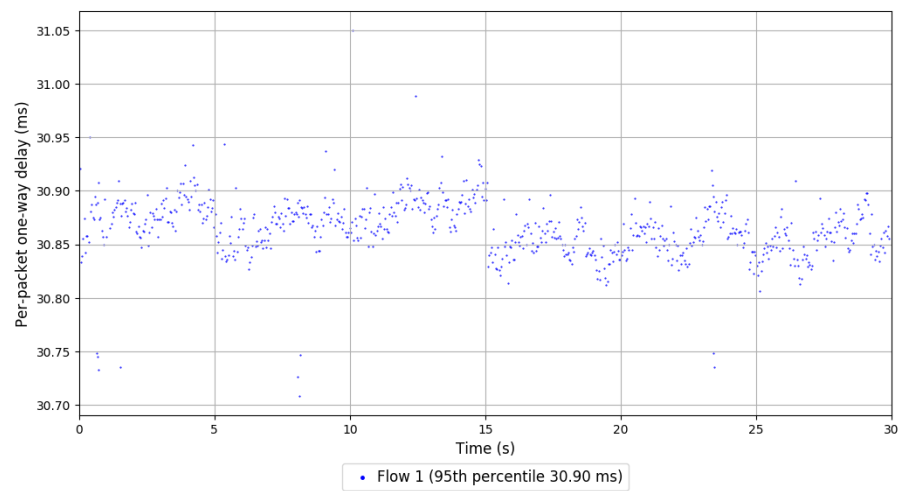
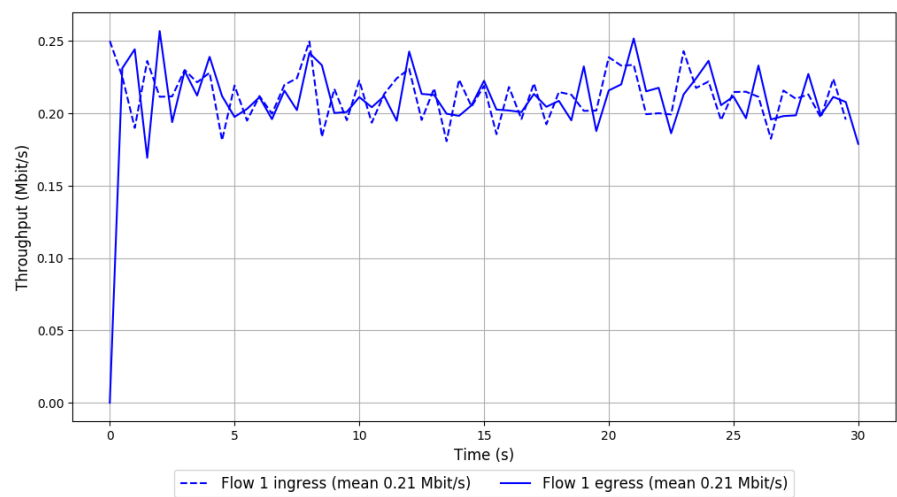
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.903 ms

Loss rate: 0.26%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-25 00:42:43

End at: 2018-07-25 00:43:13

Local clock offset: -0.197 ms

Remote clock offset: 2.07 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.762 ms

Loss rate: 0.26%

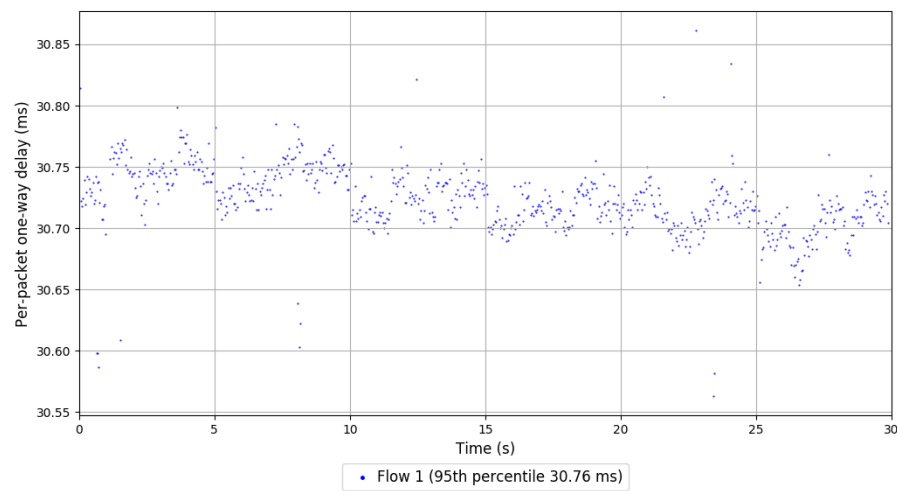
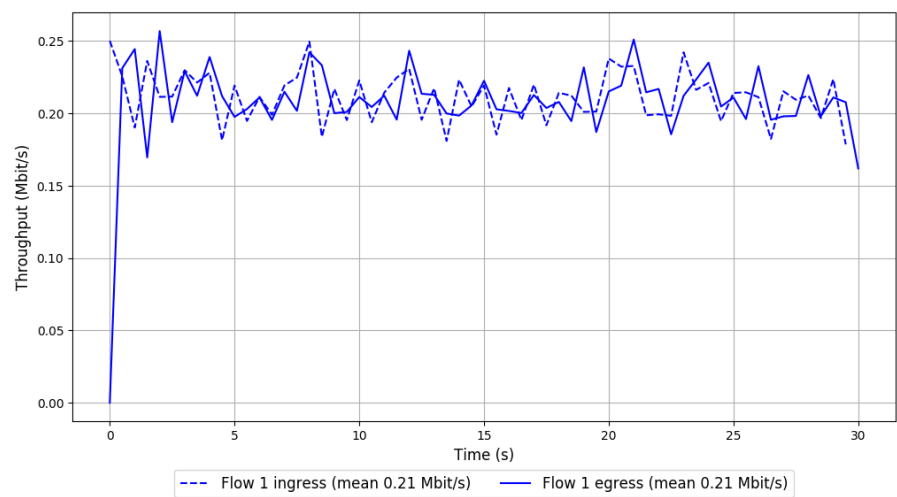
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.762 ms

Loss rate: 0.26%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-25 01:04:56

End at: 2018-07-25 01:05:26

Local clock offset: -0.095 ms

Remote clock offset: 1.355 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.807 ms

Loss rate: 0.26%

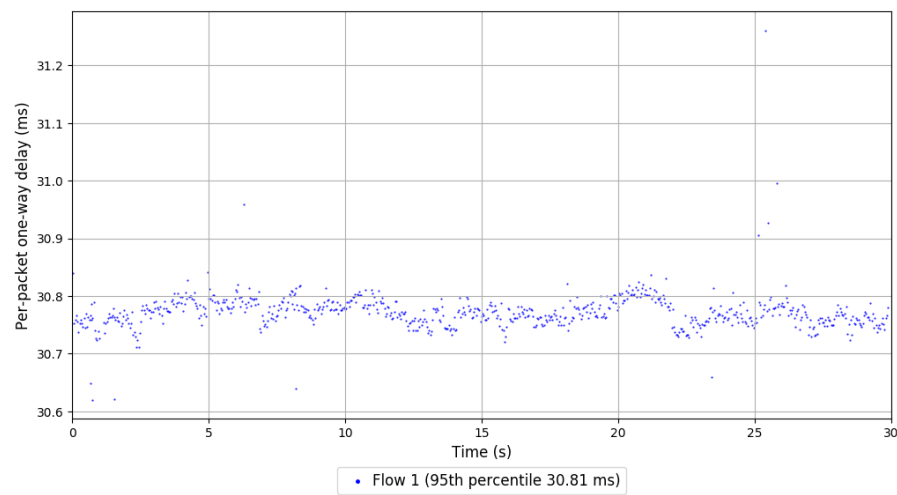
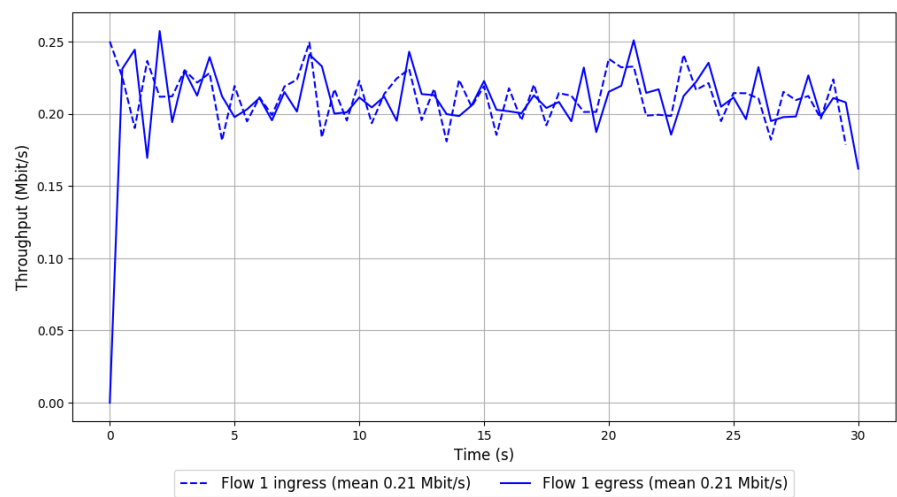
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.807 ms

Loss rate: 0.26%

Run 4: Report of SCRaM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-25 01:27:22

End at: 2018-07-25 01:27:52

Local clock offset: 0.076 ms

Remote clock offset: 1.317 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.925 ms

Loss rate: 0.26%

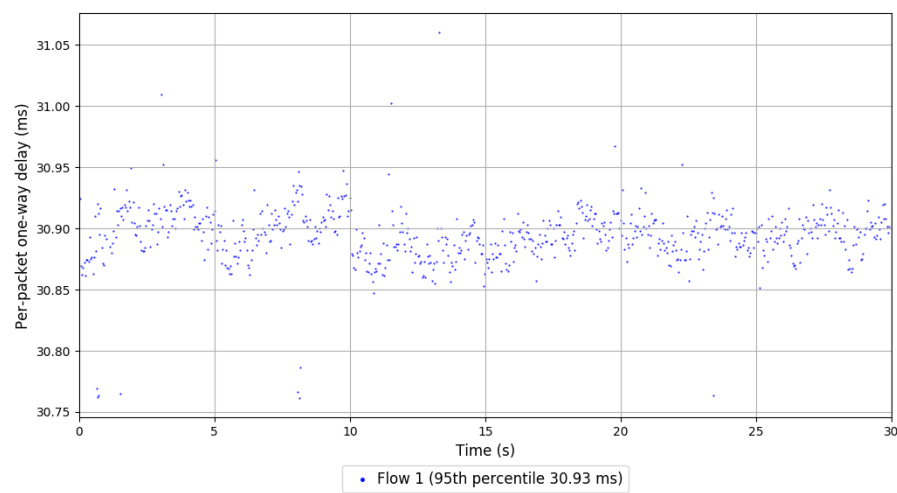
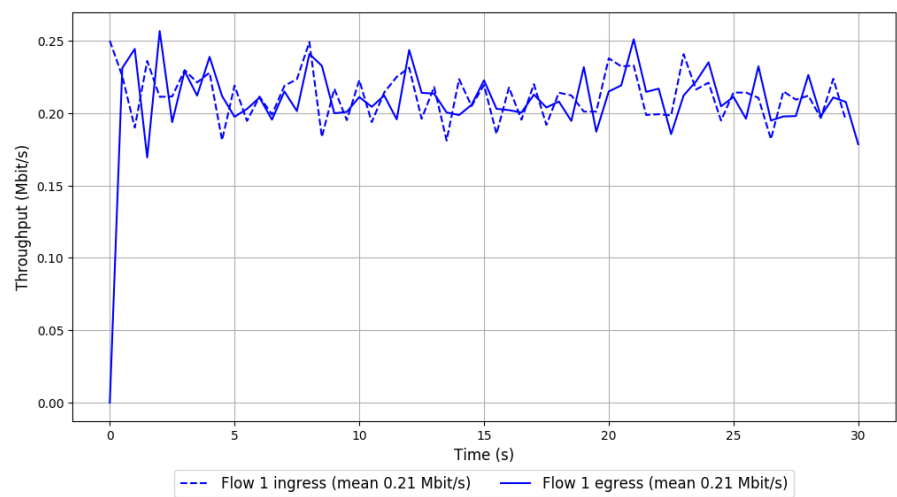
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.925 ms

Loss rate: 0.26%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-25 01:49:48

End at: 2018-07-25 01:50:18

Local clock offset: 3.228 ms

Remote clock offset: 1.23 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.882 ms

Loss rate: 0.26%

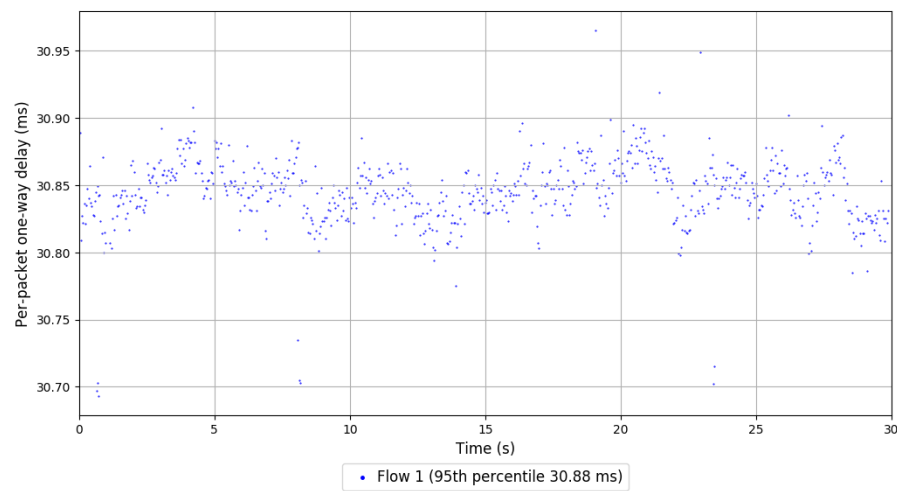
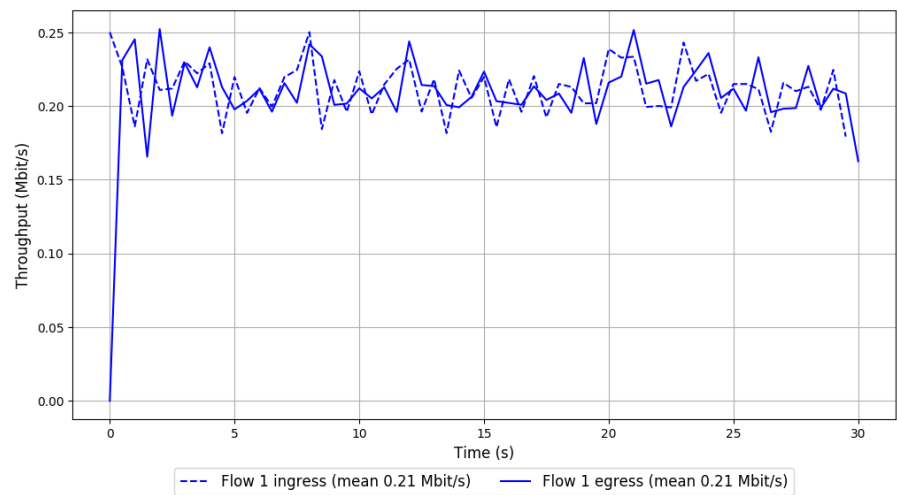
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.882 ms

Loss rate: 0.26%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-25 02:12:06

End at: 2018-07-25 02:12:36

Local clock offset: 4.25 ms

Remote clock offset: 1.363 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.890 ms

Loss rate: 0.26%

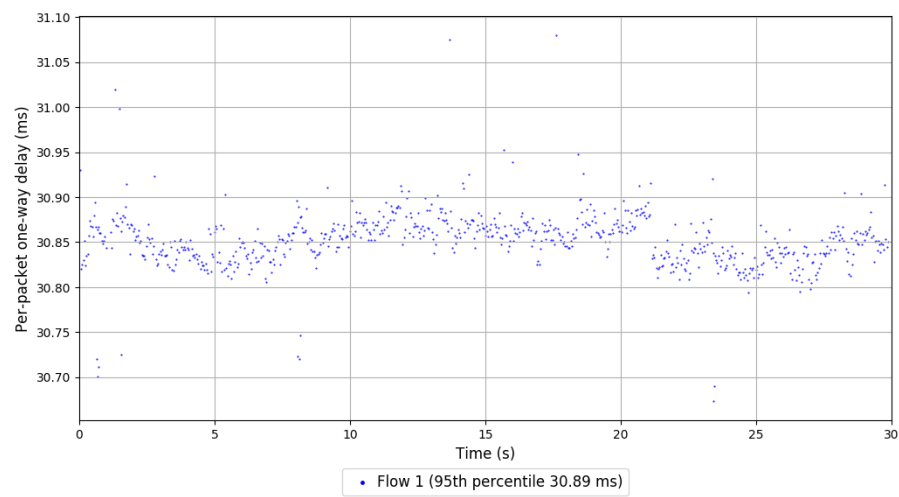
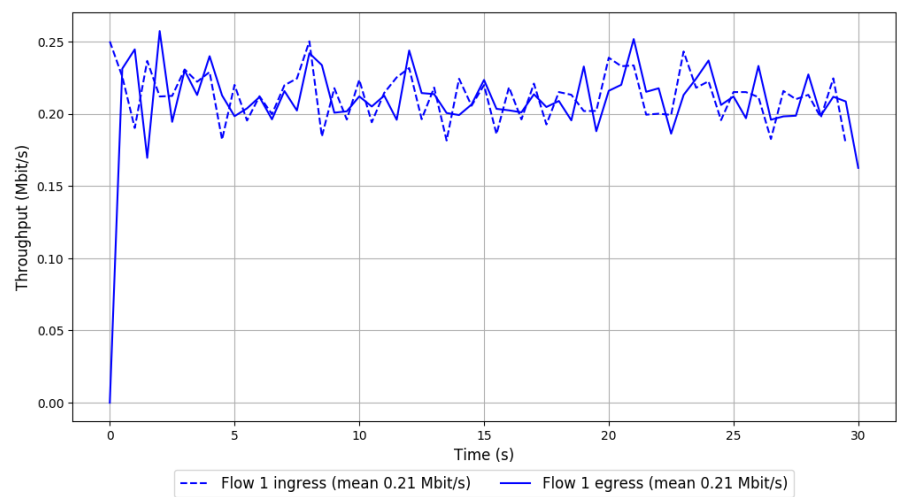
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.890 ms

Loss rate: 0.26%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-25 02:34:21

End at: 2018-07-25 02:34:51

Local clock offset: 4.261 ms

Remote clock offset: 1.455 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.976 ms

Loss rate: 0.26%

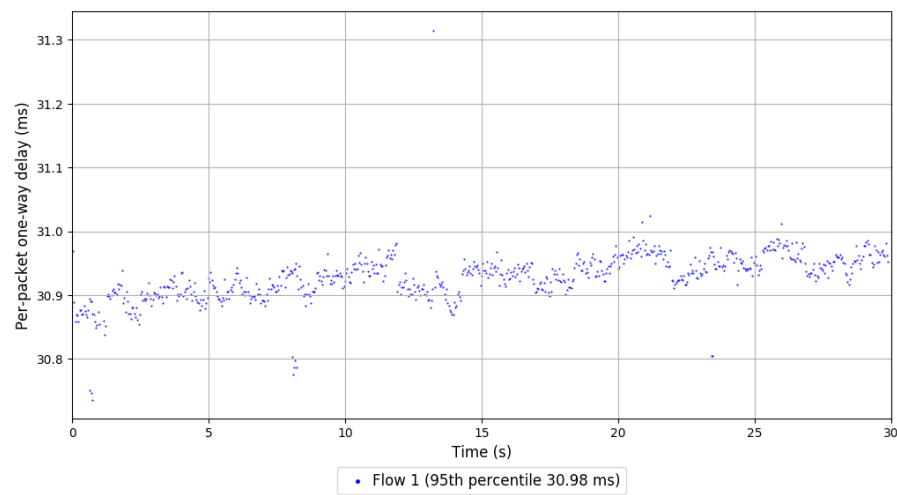
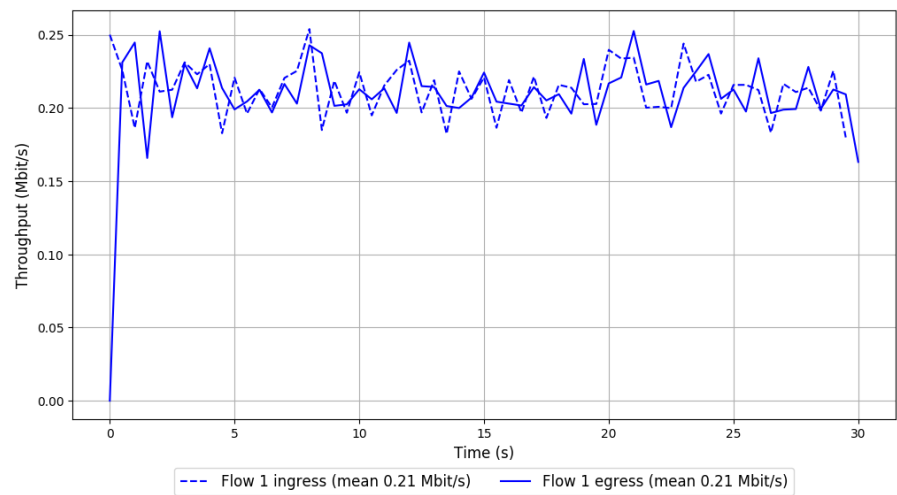
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.976 ms

Loss rate: 0.26%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-25 02:56:43

End at: 2018-07-25 02:57:13

Local clock offset: 2.92 ms

Remote clock offset: 1.402 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.993 ms

Loss rate: 0.26%

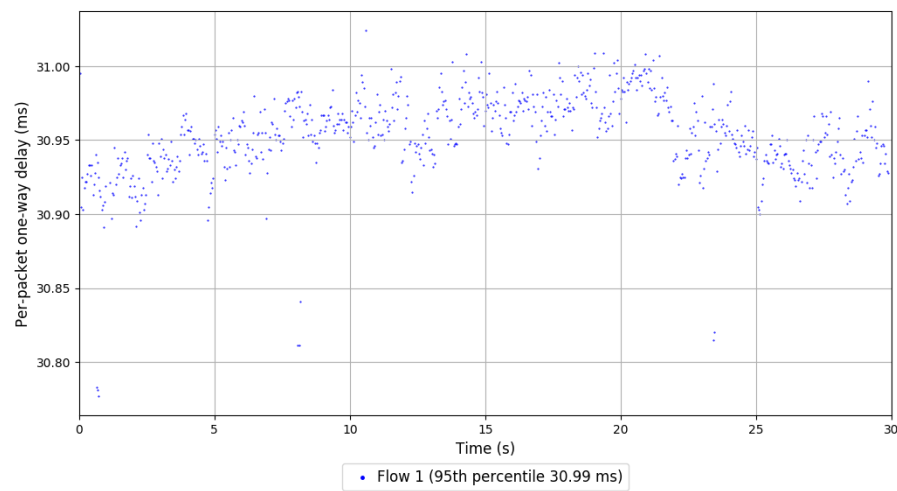
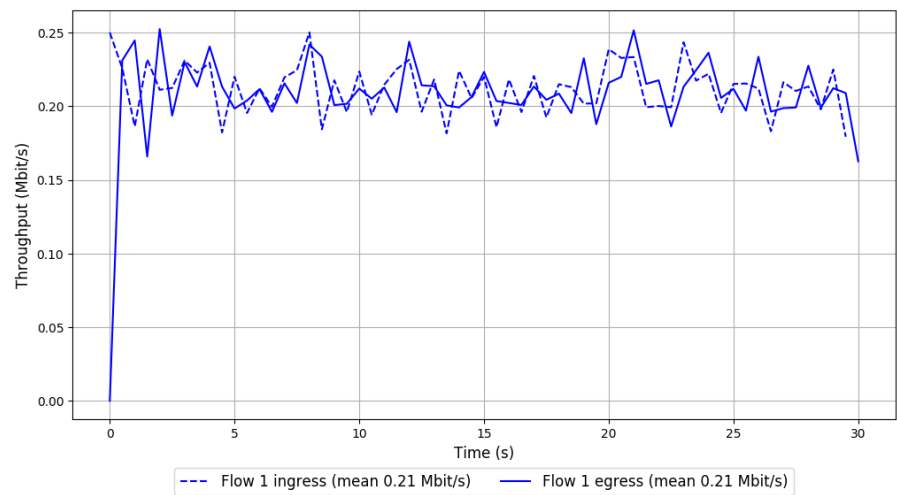
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.993 ms

Loss rate: 0.26%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-07-25 03:18:59

End at: 2018-07-25 03:19:29

Local clock offset: -0.177 ms

Remote clock offset: 1.198 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.936 ms

Loss rate: 0.26%

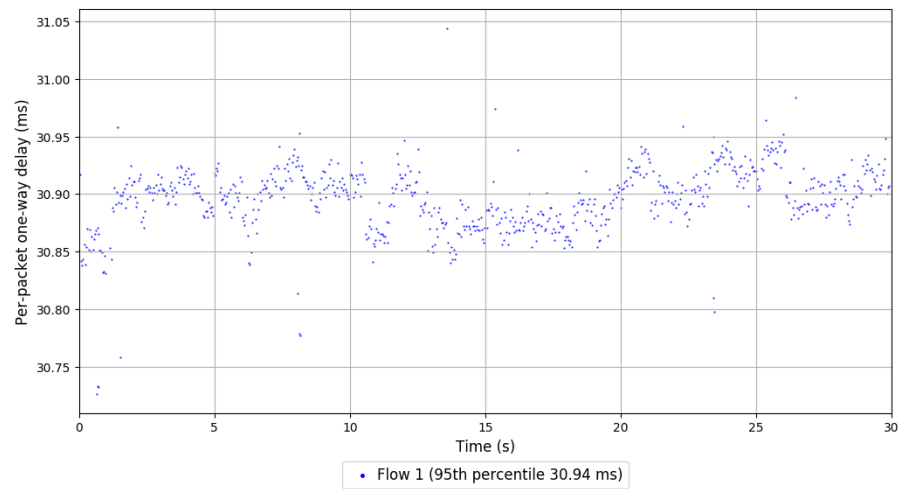
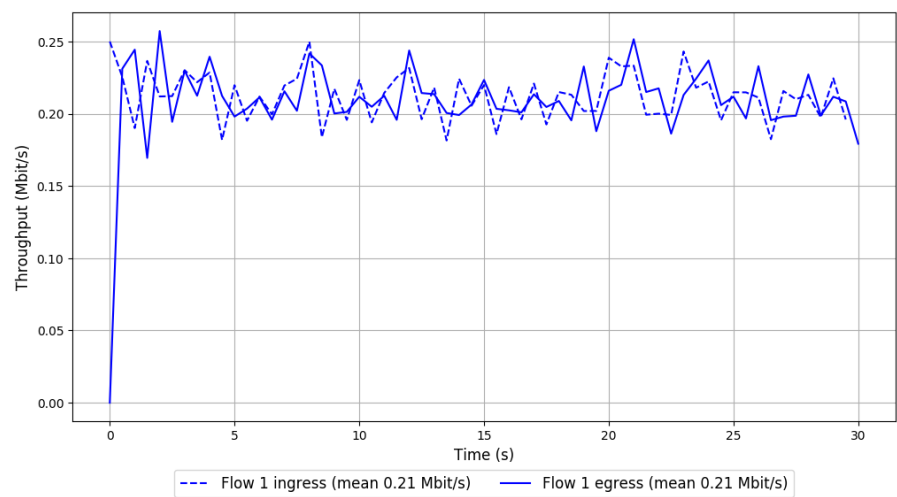
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.936 ms

Loss rate: 0.26%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-24 23:39:52

End at: 2018-07-24 23:40:22

Local clock offset: 1.006 ms

Remote clock offset: 2.201 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.71 Mbit/s

95th percentile per-packet one-way delay: 37.666 ms

Loss rate: 0.25%

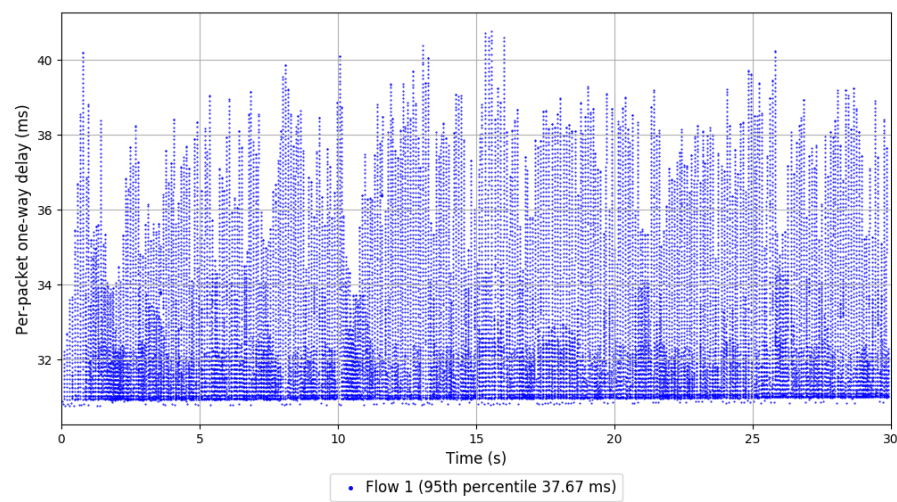
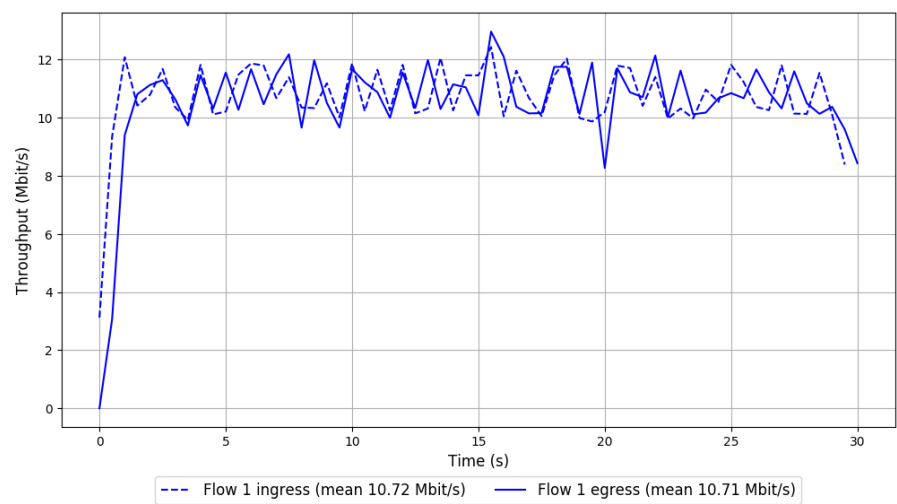
-- Flow 1:

Average throughput: 10.71 Mbit/s

95th percentile per-packet one-way delay: 37.666 ms

Loss rate: 0.25%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-25 00:02:09

End at: 2018-07-25 00:02:39

Local clock offset: -0.791 ms

Remote clock offset: 2.607 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.62 Mbit/s

95th percentile per-packet one-way delay: 37.367 ms

Loss rate: 0.06%

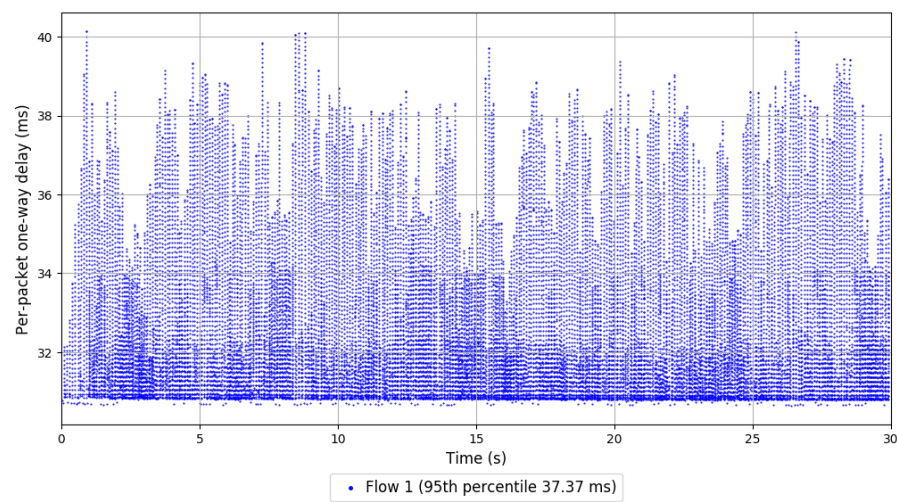
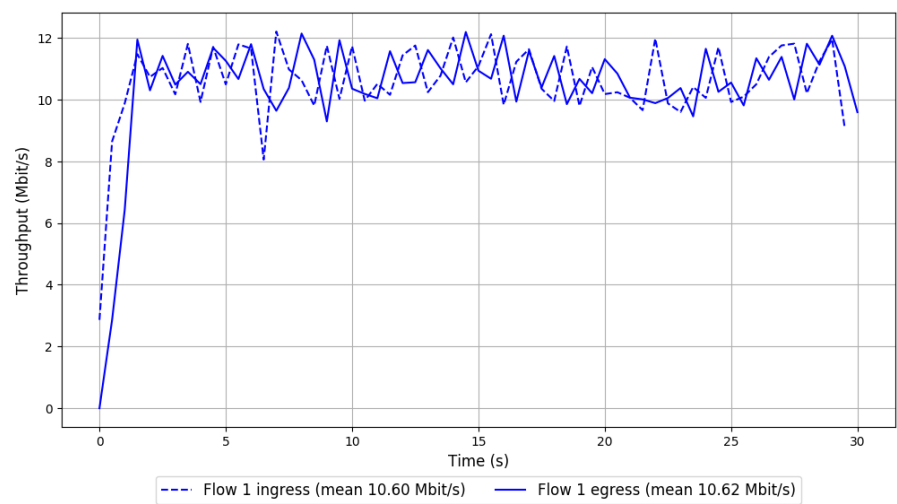
-- Flow 1:

Average throughput: 10.62 Mbit/s

95th percentile per-packet one-way delay: 37.367 ms

Loss rate: 0.06%

Run 2: Report of Sprout — Data Link

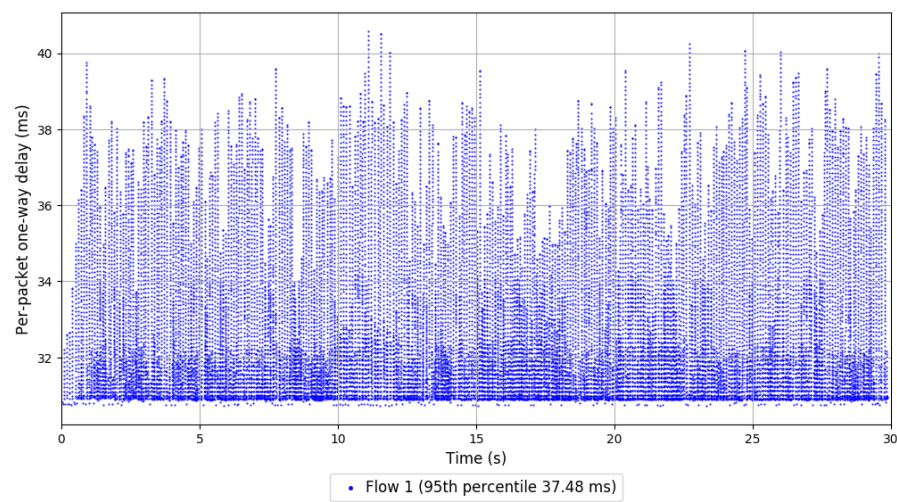
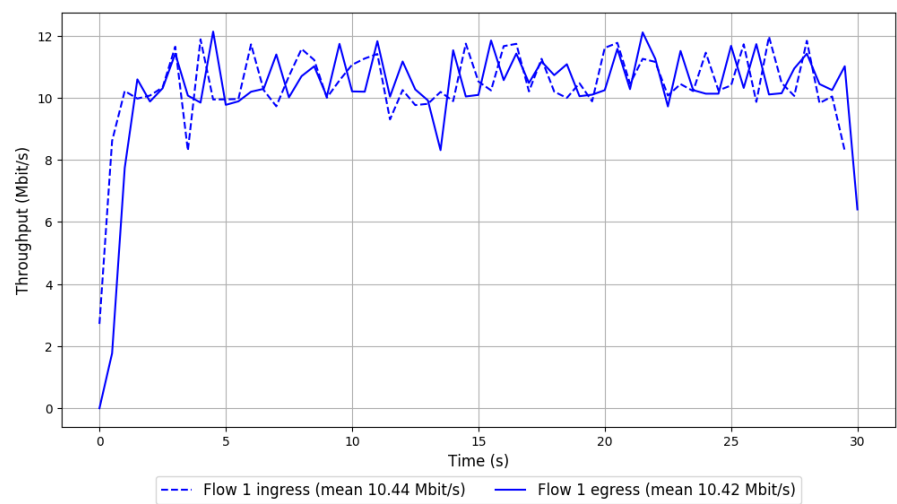


Run 3: Statistics of Sprout

Start at: 2018-07-25 00:24:24
End at: 2018-07-25 00:24:54
Local clock offset: -0.281 ms
Remote clock offset: 2.165 ms

Below is generated by plot.py at 2018-07-25 03:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.42 Mbit/s
95th percentile per-packet one-way delay: 37.478 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 10.42 Mbit/s
95th percentile per-packet one-way delay: 37.478 ms
Loss rate: 0.30%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-25 00:46:41

End at: 2018-07-25 00:47:11

Local clock offset: -0.157 ms

Remote clock offset: 1.757 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.64 Mbit/s

95th percentile per-packet one-way delay: 37.103 ms

Loss rate: 0.31%

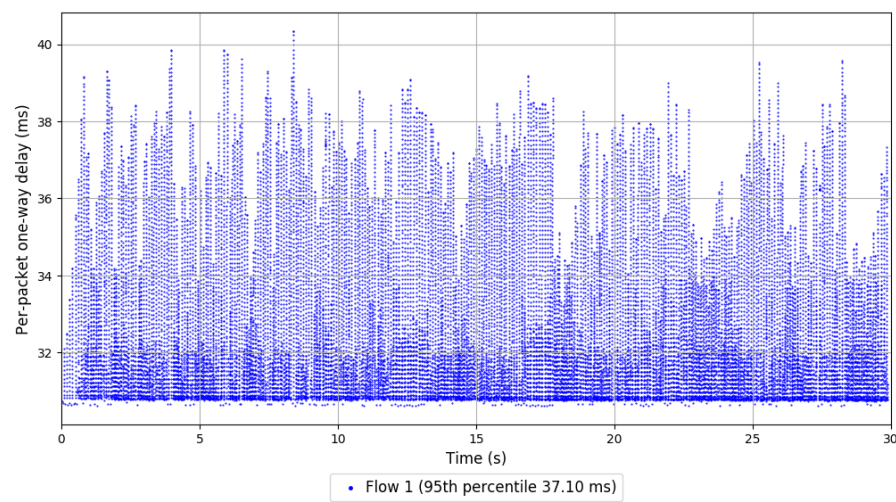
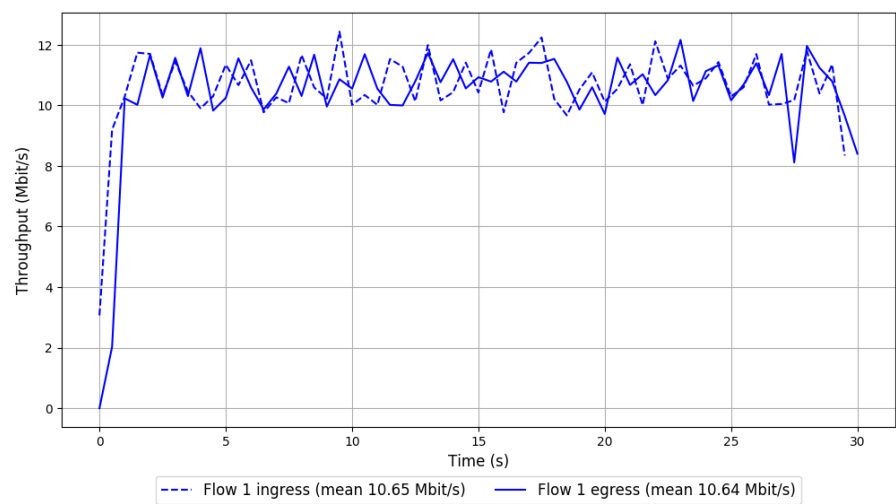
-- Flow 1:

Average throughput: 10.64 Mbit/s

95th percentile per-packet one-way delay: 37.103 ms

Loss rate: 0.31%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-25 01:08:54

End at: 2018-07-25 01:09:24

Local clock offset: 0.068 ms

Remote clock offset: 1.279 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.47 Mbit/s

95th percentile per-packet one-way delay: 37.345 ms

Loss rate: 0.01%

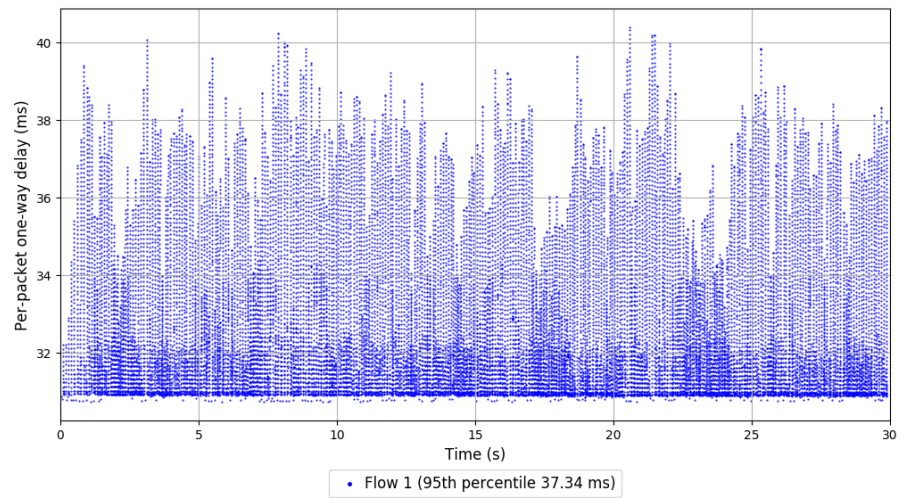
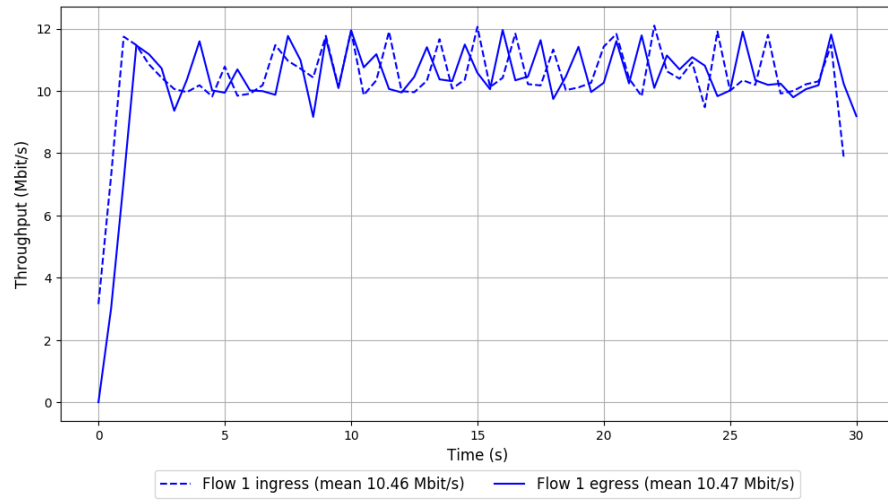
-- Flow 1:

Average throughput: 10.47 Mbit/s

95th percentile per-packet one-way delay: 37.345 ms

Loss rate: 0.01%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-25 01:31:19

End at: 2018-07-25 01:31:49

Local clock offset: -0.065 ms

Remote clock offset: 1.317 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.58 Mbit/s

95th percentile per-packet one-way delay: 37.284 ms

Loss rate: 0.03%

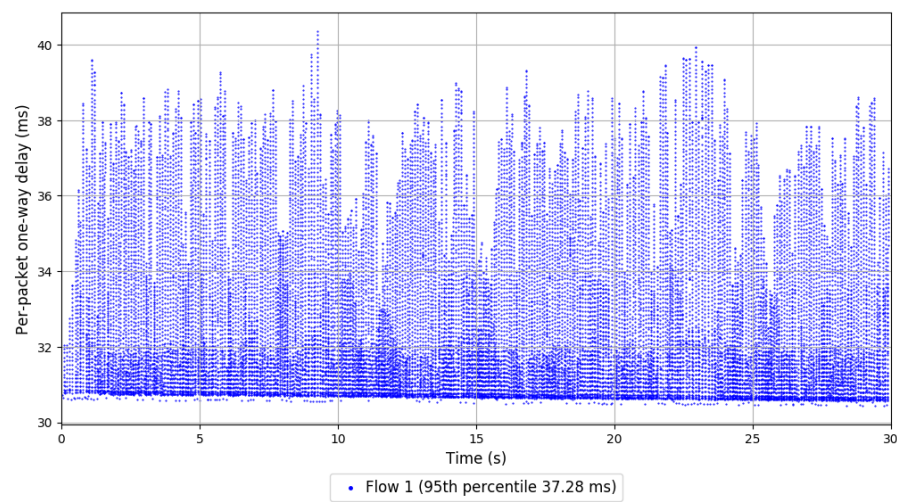
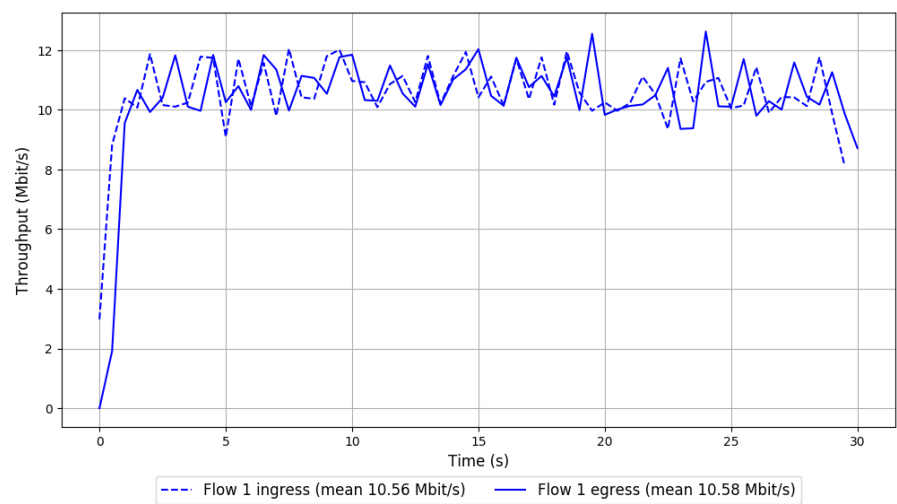
-- Flow 1:

Average throughput: 10.58 Mbit/s

95th percentile per-packet one-way delay: 37.284 ms

Loss rate: 0.03%

Run 6: Report of Sprout — Data Link

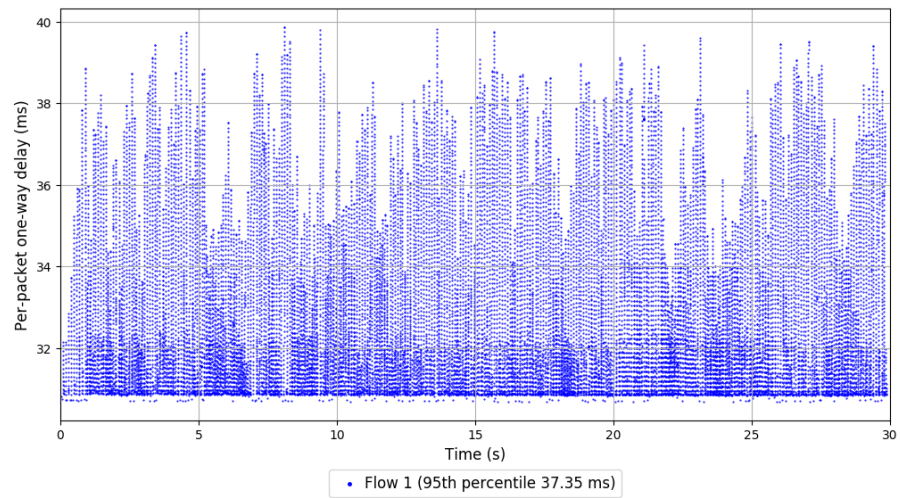
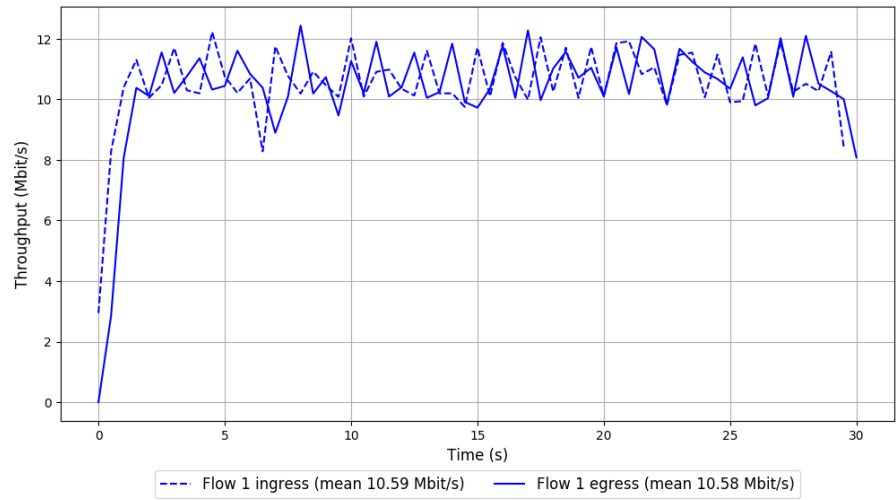


Run 7: Statistics of Sprout

Start at: 2018-07-25 01:53:45
End at: 2018-07-25 01:54:15
Local clock offset: 3.388 ms
Remote clock offset: 1.3 ms

Below is generated by plot.py at 2018-07-25 03:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 37.351 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 37.351 ms
Loss rate: 0.30%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-25 02:16:02

End at: 2018-07-25 02:16:32

Local clock offset: 4.374 ms

Remote clock offset: 1.334 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.56 Mbit/s

95th percentile per-packet one-way delay: 37.047 ms

Loss rate: 0.23%

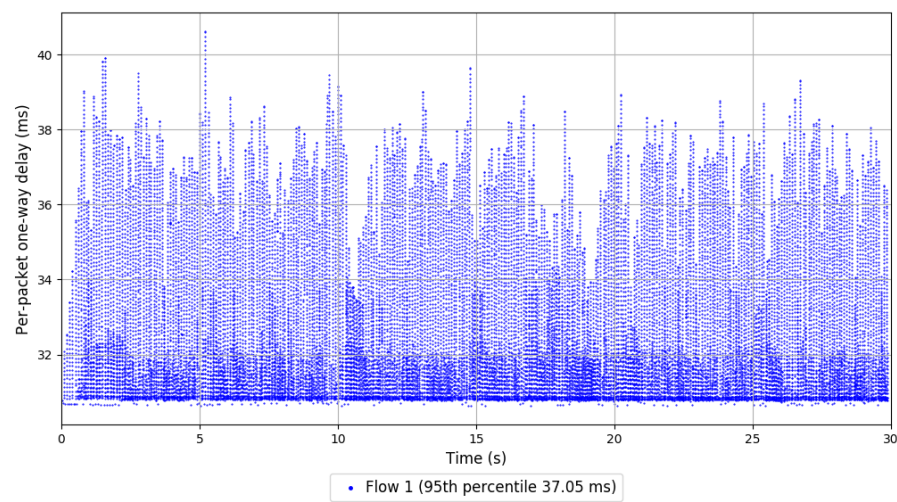
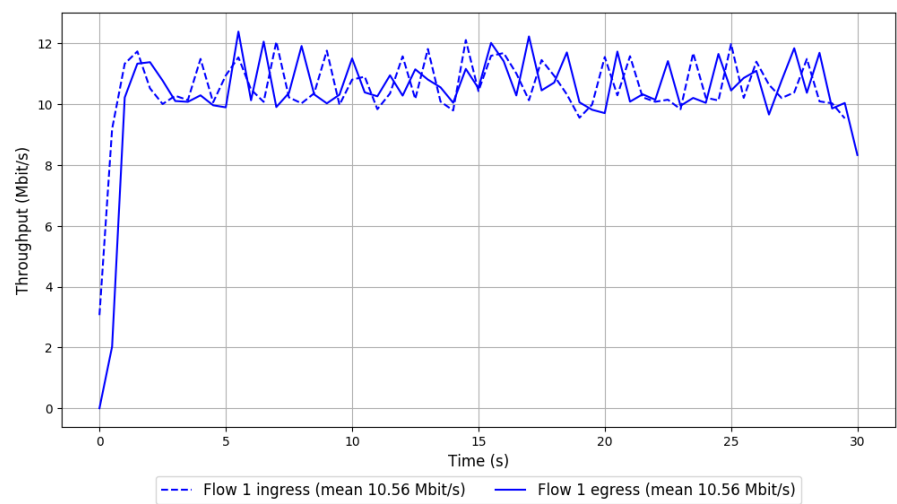
-- Flow 1:

Average throughput: 10.56 Mbit/s

95th percentile per-packet one-way delay: 37.047 ms

Loss rate: 0.23%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-25 02:38:20

End at: 2018-07-25 02:38:50

Local clock offset: 3.786 ms

Remote clock offset: 1.444 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.66 Mbit/s

95th percentile per-packet one-way delay: 36.893 ms

Loss rate: 0.04%

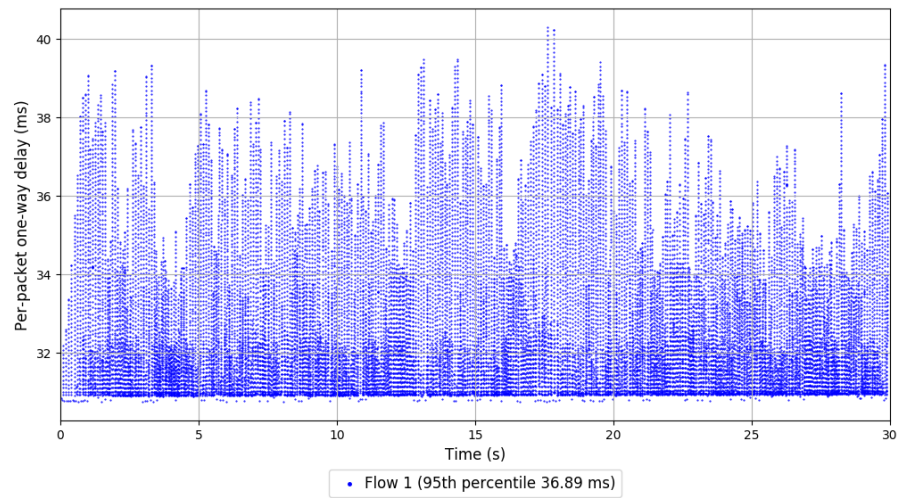
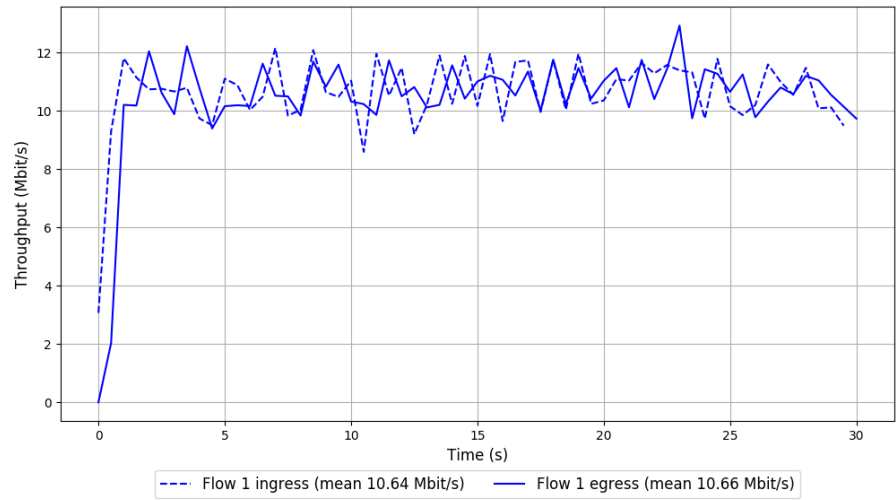
-- Flow 1:

Average throughput: 10.66 Mbit/s

95th percentile per-packet one-way delay: 36.893 ms

Loss rate: 0.04%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-25 03:00:39

End at: 2018-07-25 03:01:09

Local clock offset: 2.811 ms

Remote clock offset: 1.357 ms

Below is generated by plot.py at 2018-07-25 03:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.61 Mbit/s

95th percentile per-packet one-way delay: 37.619 ms

Loss rate: 0.25%

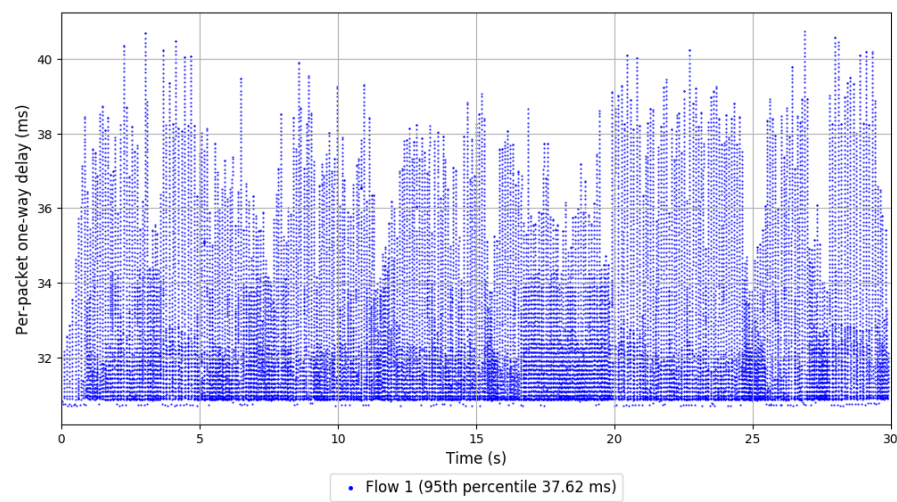
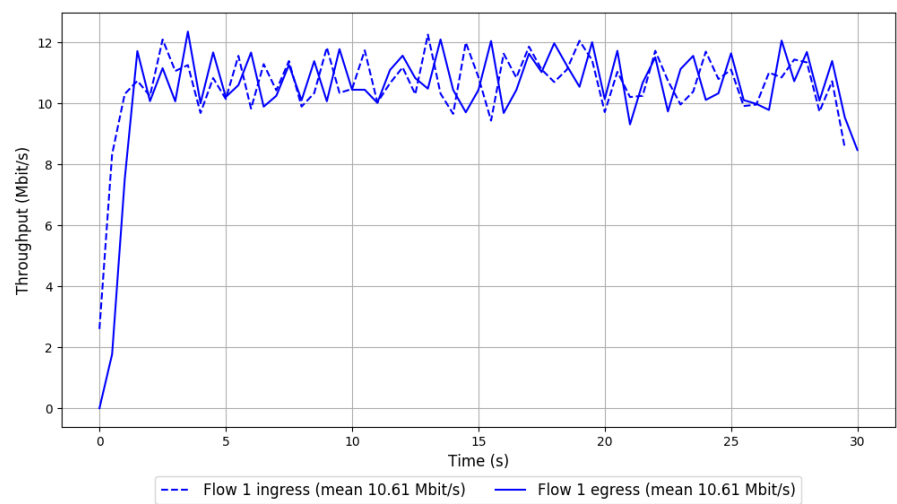
-- Flow 1:

Average throughput: 10.61 Mbit/s

95th percentile per-packet one-way delay: 37.619 ms

Loss rate: 0.25%

Run 10: Report of Sprout — Data Link

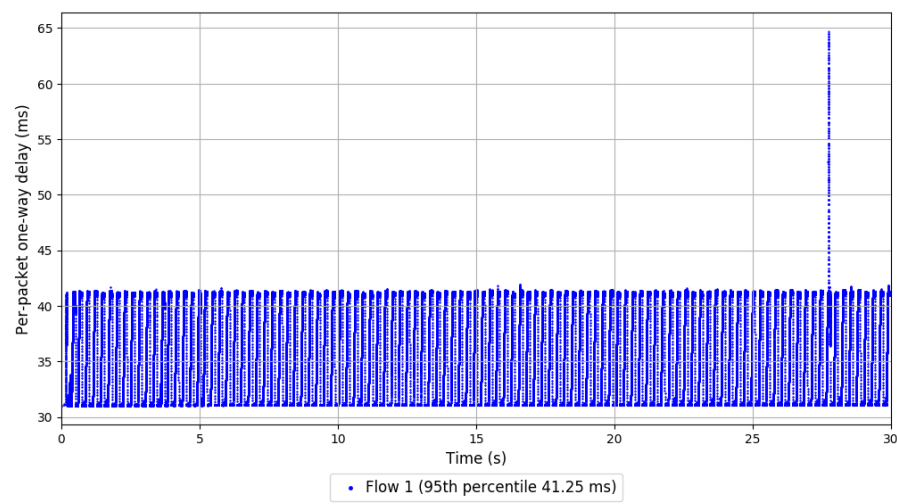
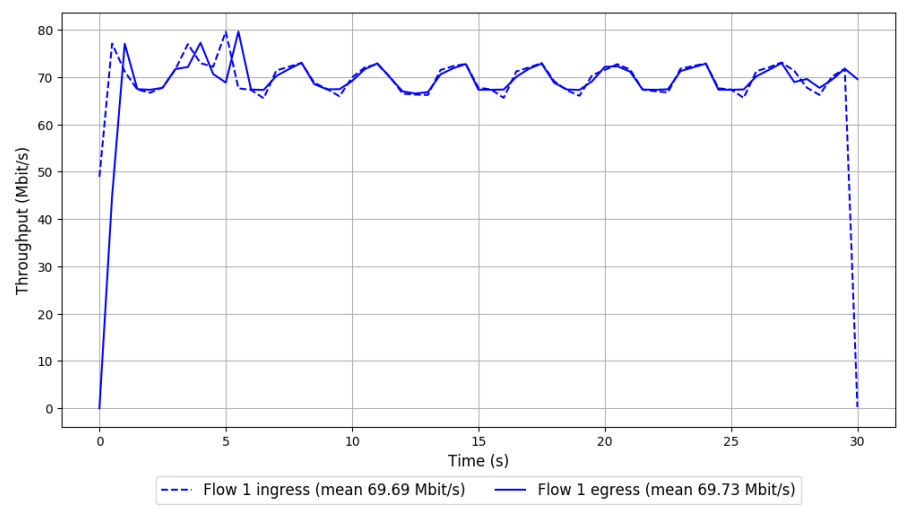


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-24 23:38:32
End at: 2018-07-24 23:39:02
Local clock offset: 1.261 ms
Remote clock offset: 2.144 ms

# Below is generated by plot.py at 2018-07-25 03:40:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.73 Mbit/s
95th percentile per-packet one-way delay: 41.249 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 69.73 Mbit/s
95th percentile per-packet one-way delay: 41.249 ms
Loss rate: 0.15%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-25 00:00:49

End at: 2018-07-25 00:01:19

Local clock offset: -0.805 ms

Remote clock offset: 2.542 ms

Below is generated by plot.py at 2018-07-25 03:40:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.71 Mbit/s

95th percentile per-packet one-way delay: 40.975 ms

Loss rate: 0.34%

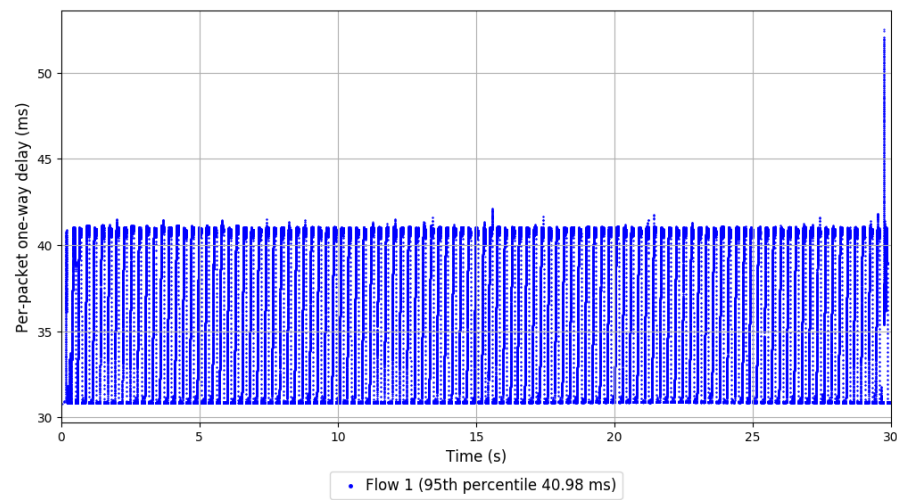
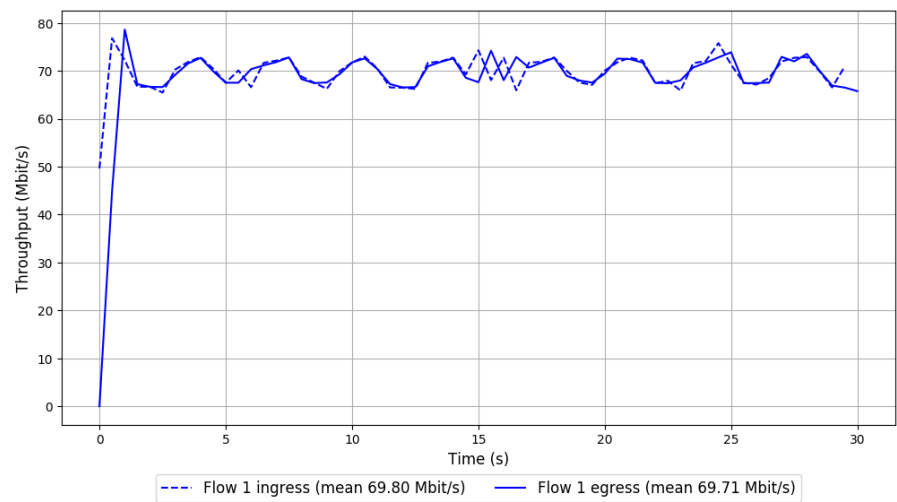
-- Flow 1:

Average throughput: 69.71 Mbit/s

95th percentile per-packet one-way delay: 40.975 ms

Loss rate: 0.34%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-25 00:23:04

End at: 2018-07-25 00:23:34

Local clock offset: -0.335 ms

Remote clock offset: 2.174 ms

Below is generated by plot.py at 2018-07-25 03:40:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.58 Mbit/s

95th percentile per-packet one-way delay: 40.930 ms

Loss rate: 0.17%

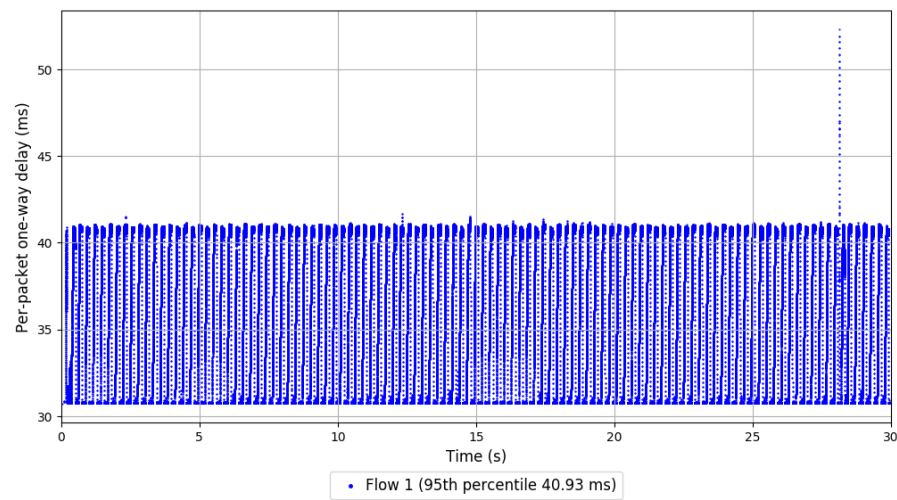
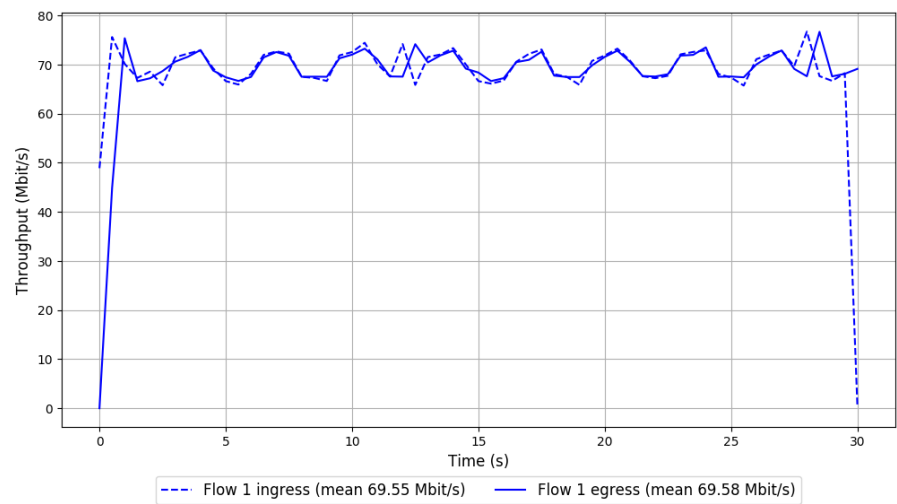
-- Flow 1:

Average throughput: 69.58 Mbit/s

95th percentile per-packet one-way delay: 40.930 ms

Loss rate: 0.17%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-25 00:45:20

End at: 2018-07-25 00:45:50

Local clock offset: -0.075 ms

Remote clock offset: 1.829 ms

Below is generated by plot.py at 2018-07-25 03:40:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.60 Mbit/s

95th percentile per-packet one-way delay: 41.073 ms

Loss rate: 0.18%

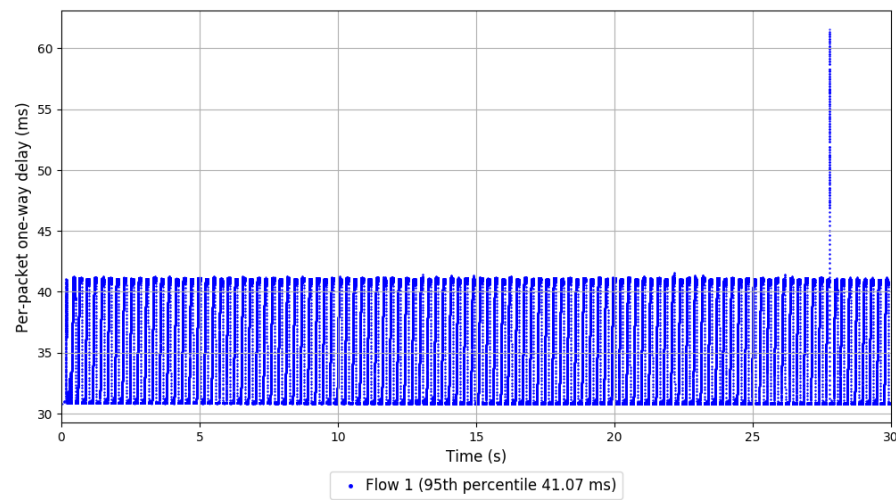
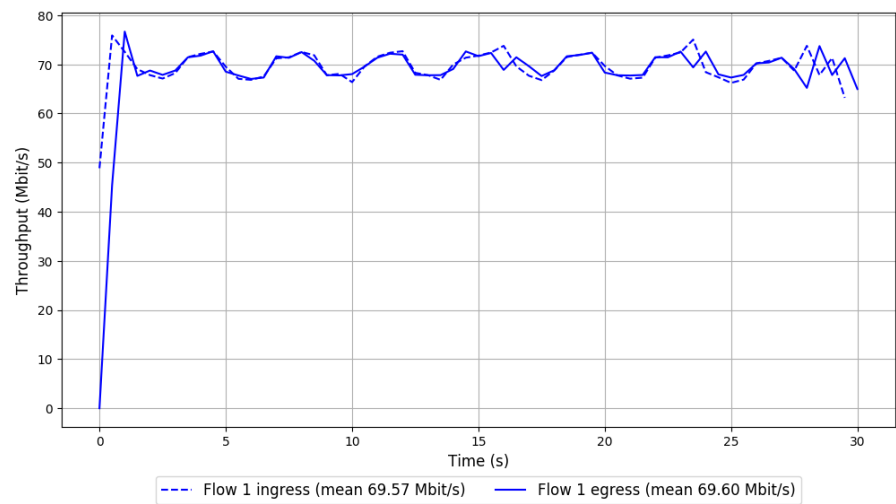
-- Flow 1:

Average throughput: 69.60 Mbit/s

95th percentile per-packet one-way delay: 41.073 ms

Loss rate: 0.18%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-25 01:07:32

End at: 2018-07-25 01:08:02

Local clock offset: -0.034 ms

Remote clock offset: 1.324 ms

Below is generated by plot.py at 2018-07-25 03:40:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.69 Mbit/s

95th percentile per-packet one-way delay: 40.905 ms

Loss rate: 0.35%

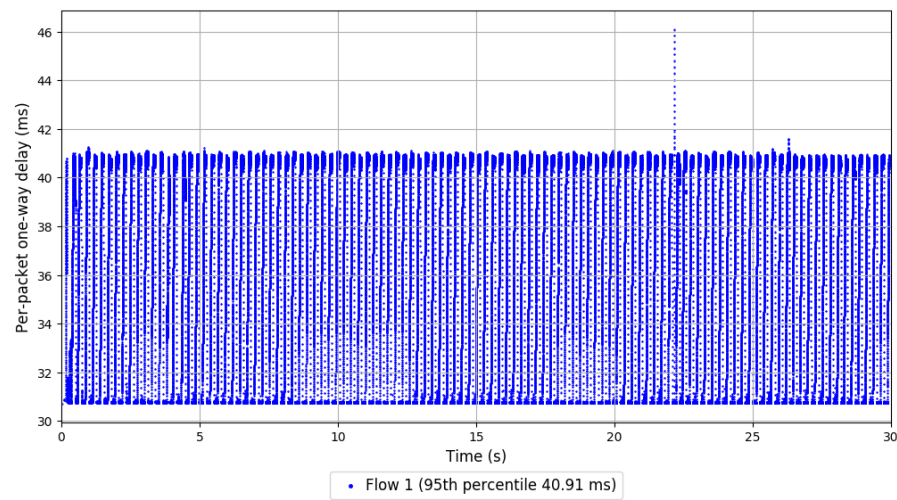
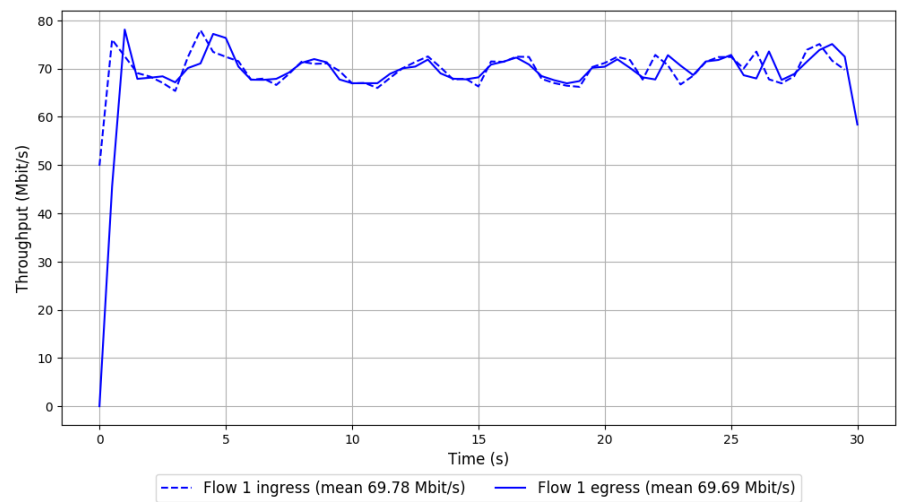
-- Flow 1:

Average throughput: 69.69 Mbit/s

95th percentile per-packet one-way delay: 40.905 ms

Loss rate: 0.35%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-25 01:29:59

End at: 2018-07-25 01:30:29

Local clock offset: -0.063 ms

Remote clock offset: 1.324 ms

Below is generated by plot.py at 2018-07-25 03:40:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.43 Mbit/s

95th percentile per-packet one-way delay: 40.973 ms

Loss rate: 0.20%

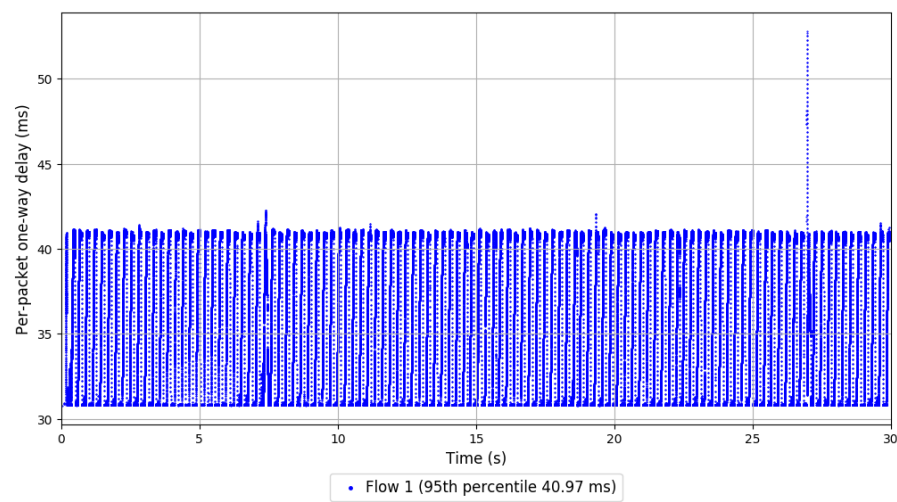
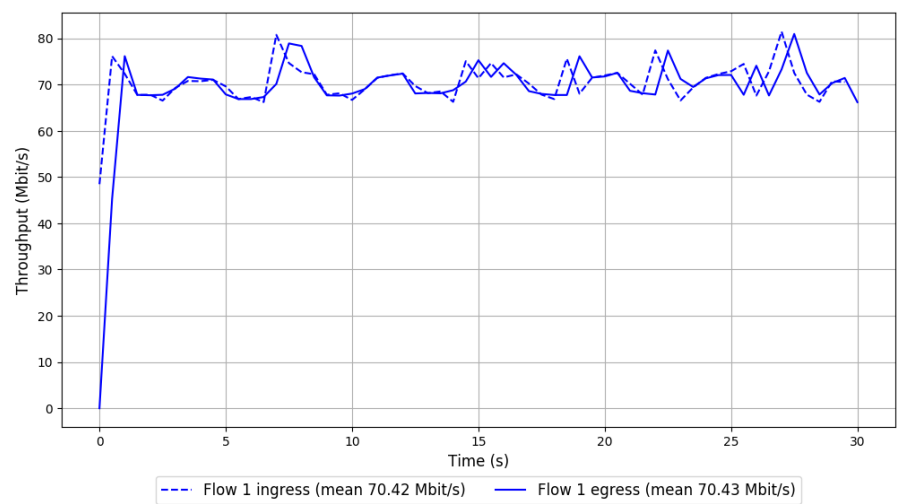
-- Flow 1:

Average throughput: 70.43 Mbit/s

95th percentile per-packet one-way delay: 40.973 ms

Loss rate: 0.20%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-25 01:52:25

End at: 2018-07-25 01:52:55

Local clock offset: 3.405 ms

Remote clock offset: 1.277 ms

Below is generated by plot.py at 2018-07-25 03:40:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.12 Mbit/s

95th percentile per-packet one-way delay: 40.967 ms

Loss rate: 0.16%

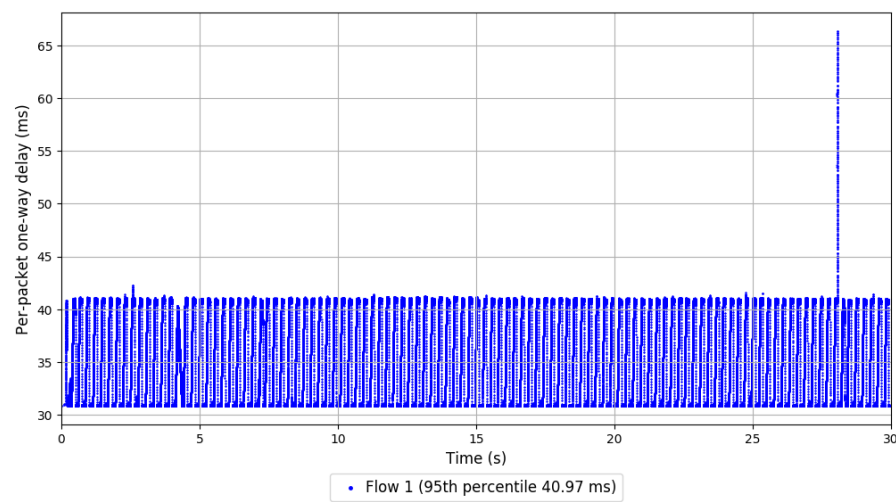
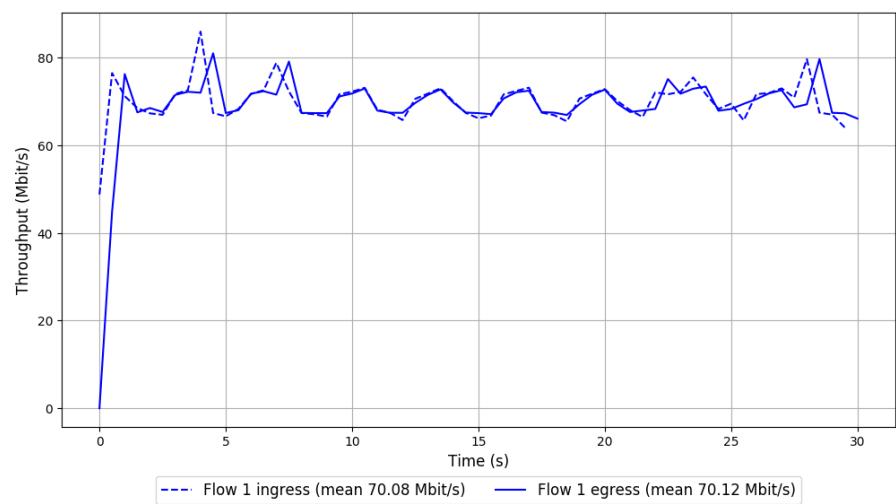
-- Flow 1:

Average throughput: 70.12 Mbit/s

95th percentile per-packet one-way delay: 40.967 ms

Loss rate: 0.16%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-25 02:14:42

End at: 2018-07-25 02:15:12

Local clock offset: 4.235 ms

Remote clock offset: 1.304 ms

Below is generated by plot.py at 2018-07-25 03:40:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.85 Mbit/s

95th percentile per-packet one-way delay: 40.959 ms

Loss rate: 0.17%

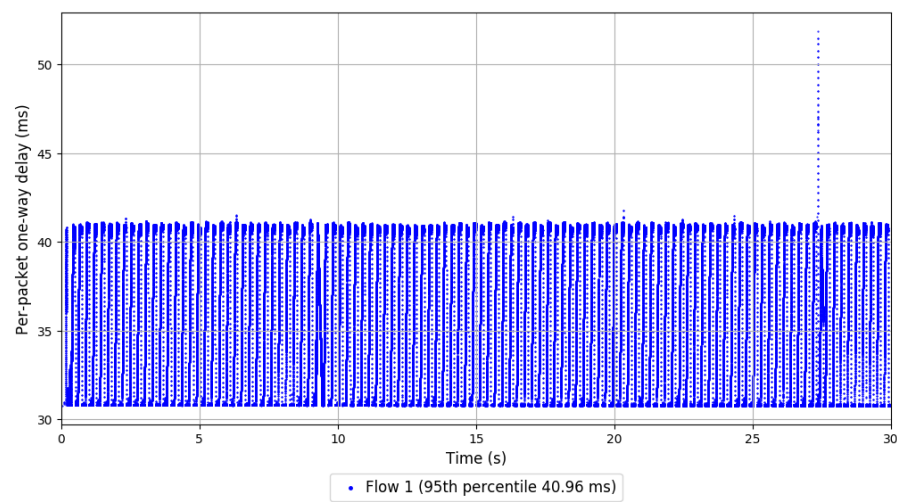
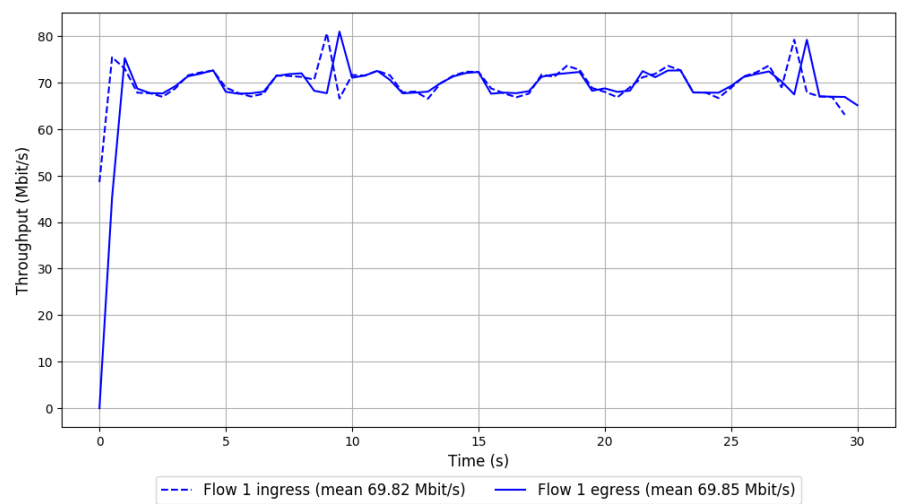
-- Flow 1:

Average throughput: 69.85 Mbit/s

95th percentile per-packet one-way delay: 40.959 ms

Loss rate: 0.17%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-25 02:36:58

End at: 2018-07-25 02:37:28

Local clock offset: 3.958 ms

Remote clock offset: 1.413 ms

Below is generated by plot.py at 2018-07-25 03:41:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.90 Mbit/s

95th percentile per-packet one-way delay: 41.054 ms

Loss rate: 0.21%

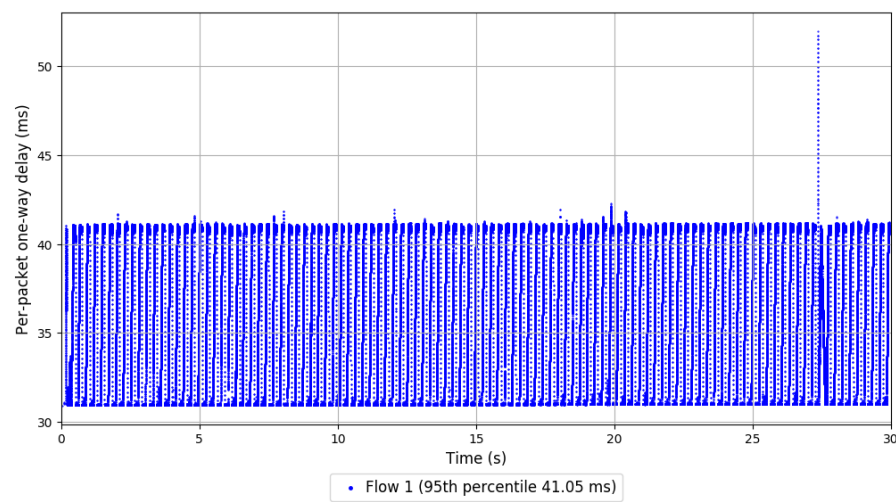
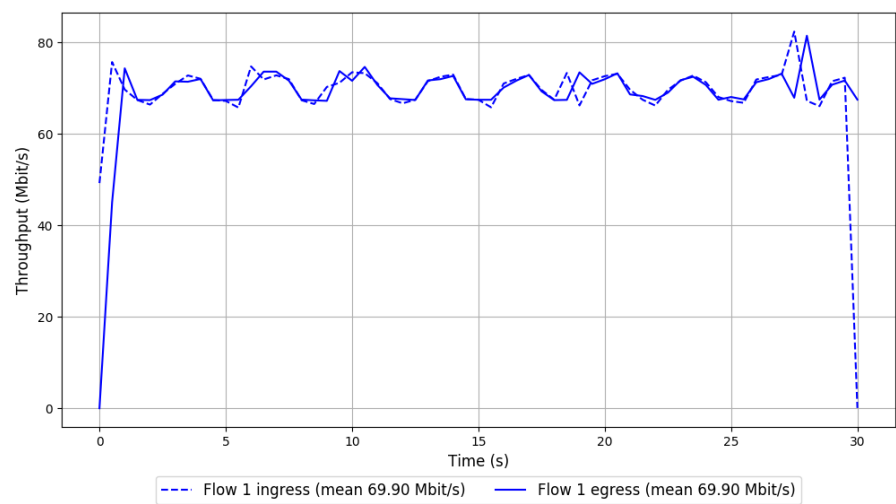
-- Flow 1:

Average throughput: 69.90 Mbit/s

95th percentile per-packet one-way delay: 41.054 ms

Loss rate: 0.21%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-25 02:59:19

End at: 2018-07-25 02:59:49

Local clock offset: 2.842 ms

Remote clock offset: 1.358 ms

Below is generated by plot.py at 2018-07-25 03:41:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.90 Mbit/s

95th percentile per-packet one-way delay: 41.005 ms

Loss rate: 0.38%

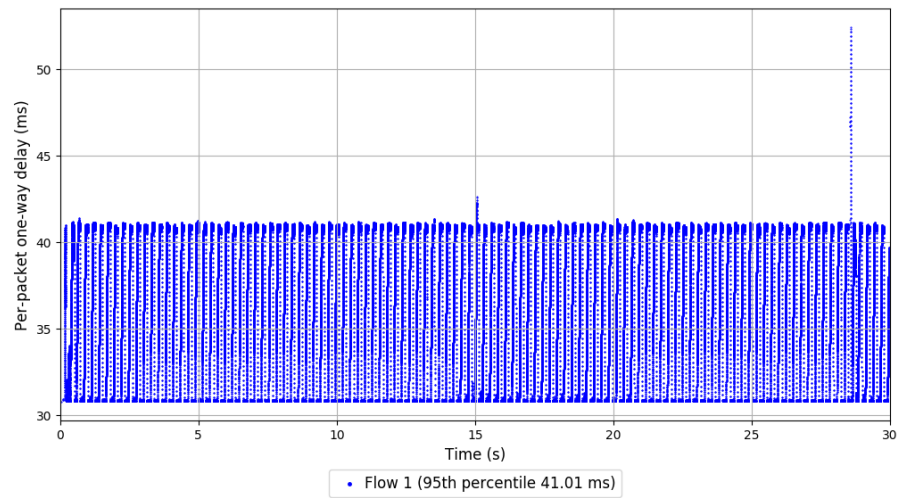
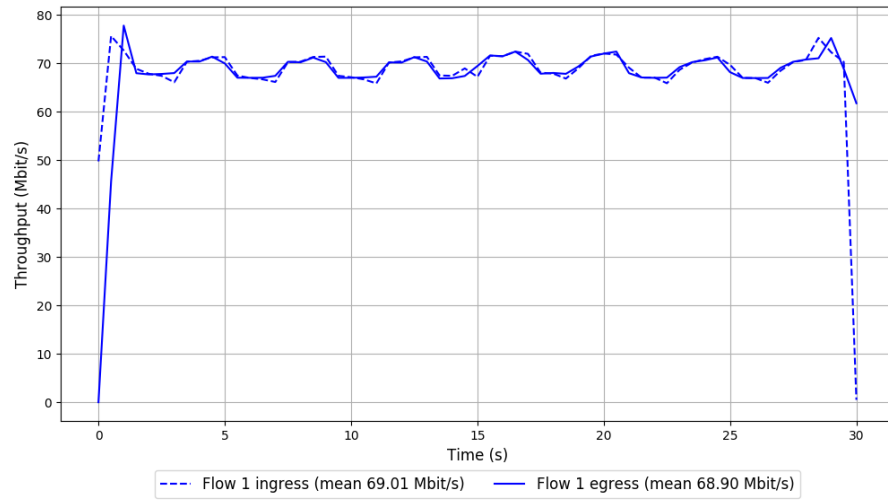
-- Flow 1:

Average throughput: 68.90 Mbit/s

95th percentile per-packet one-way delay: 41.005 ms

Loss rate: 0.38%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-24 23:50:17

End at: 2018-07-24 23:50:47

Local clock offset: -0.195 ms

Remote clock offset: 2.344 ms

Below is generated by plot.py at 2018-07-25 03:41:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.89 Mbit/s

95th percentile per-packet one-way delay: 32.202 ms

Loss rate: 0.26%

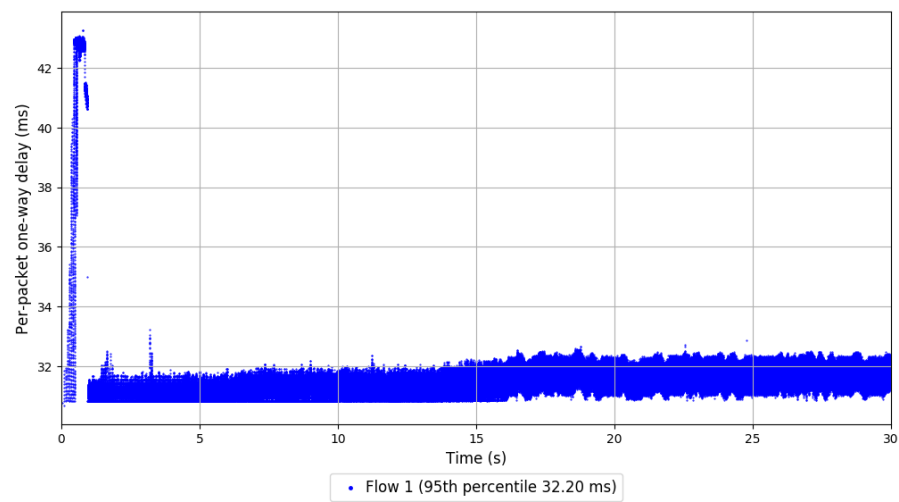
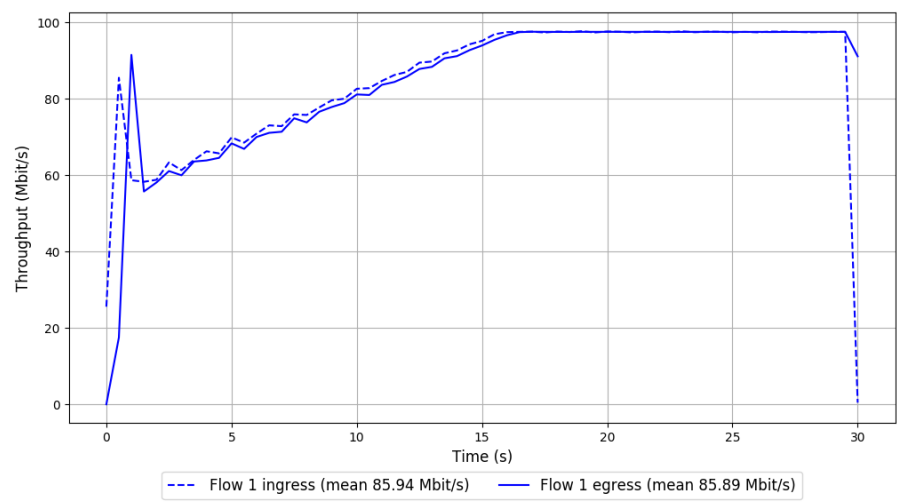
-- Flow 1:

Average throughput: 85.89 Mbit/s

95th percentile per-packet one-way delay: 32.202 ms

Loss rate: 0.26%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-25 00:12:34

End at: 2018-07-25 00:13:04

Local clock offset: -0.292 ms

Remote clock offset: 2.495 ms

Below is generated by plot.py at 2018-07-25 03:41:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.28 Mbit/s

95th percentile per-packet one-way delay: 32.002 ms

Loss rate: 0.23%

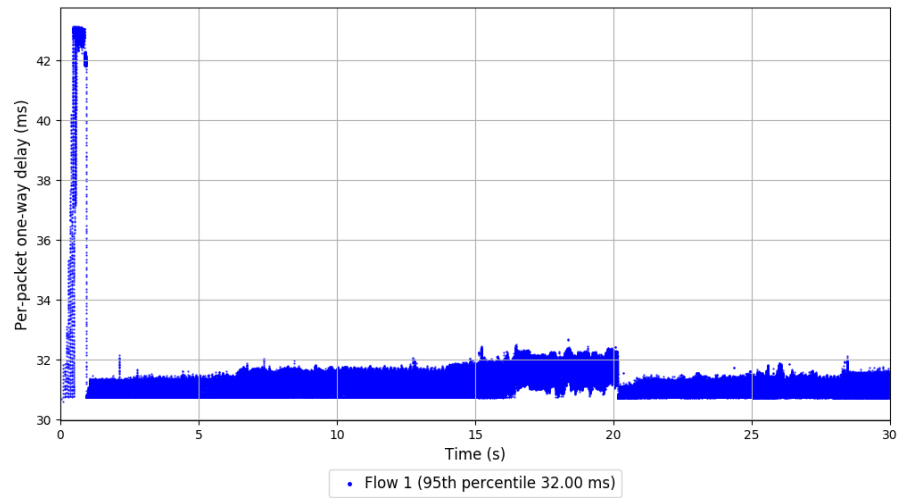
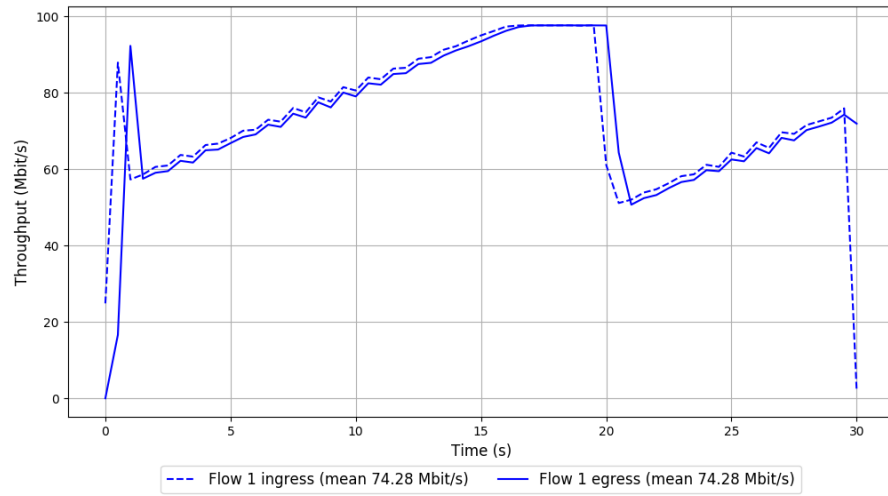
-- Flow 1:

Average throughput: 74.28 Mbit/s

95th percentile per-packet one-way delay: 32.002 ms

Loss rate: 0.23%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-25 00:34:48

End at: 2018-07-25 00:35:18

Local clock offset: -0.282 ms

Remote clock offset: 2.1 ms

Below is generated by plot.py at 2018-07-25 03:41:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.52 Mbit/s

95th percentile per-packet one-way delay: 32.156 ms

Loss rate: 0.15%

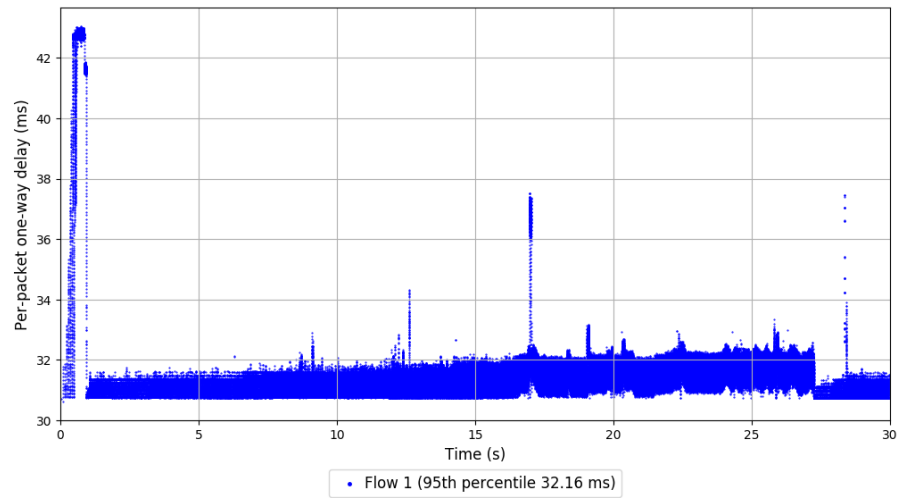
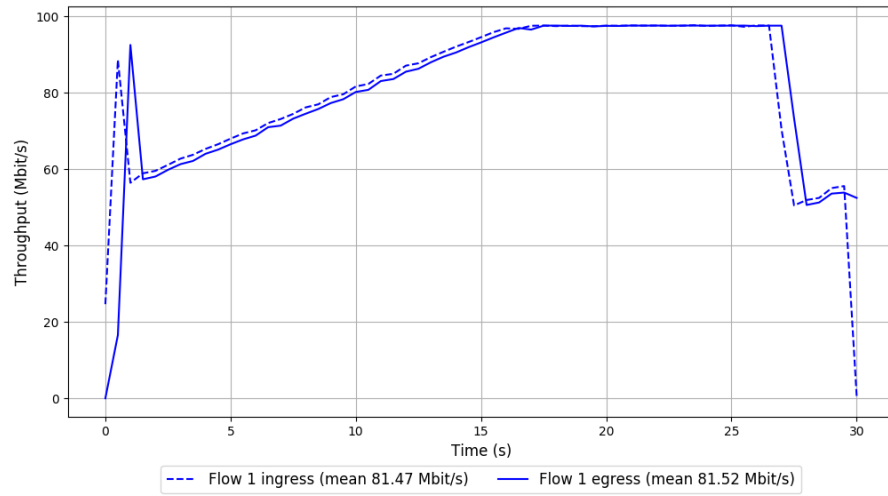
-- Flow 1:

Average throughput: 81.52 Mbit/s

95th percentile per-packet one-way delay: 32.156 ms

Loss rate: 0.15%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-25 00:57:04

End at: 2018-07-25 00:57:34

Local clock offset: -0.088 ms

Remote clock offset: 1.445 ms

Below is generated by plot.py at 2018-07-25 03:41:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.93 Mbit/s

95th percentile per-packet one-way delay: 32.154 ms

Loss rate: 0.25%

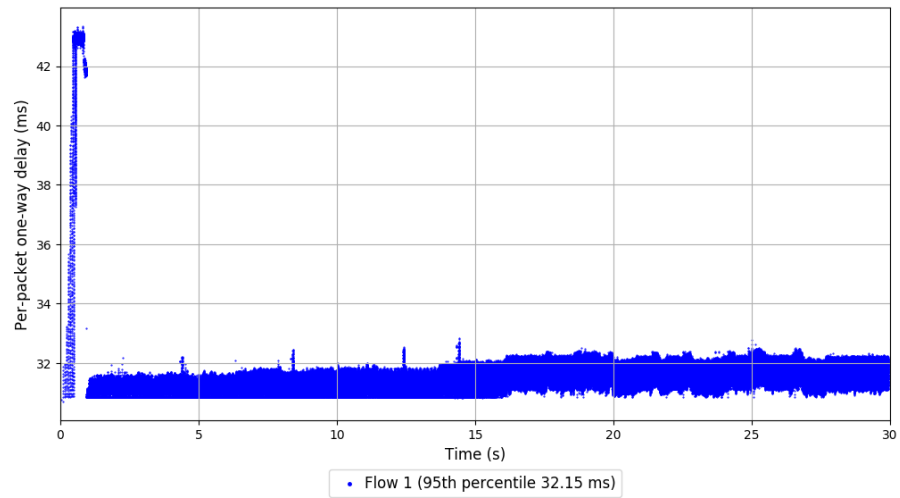
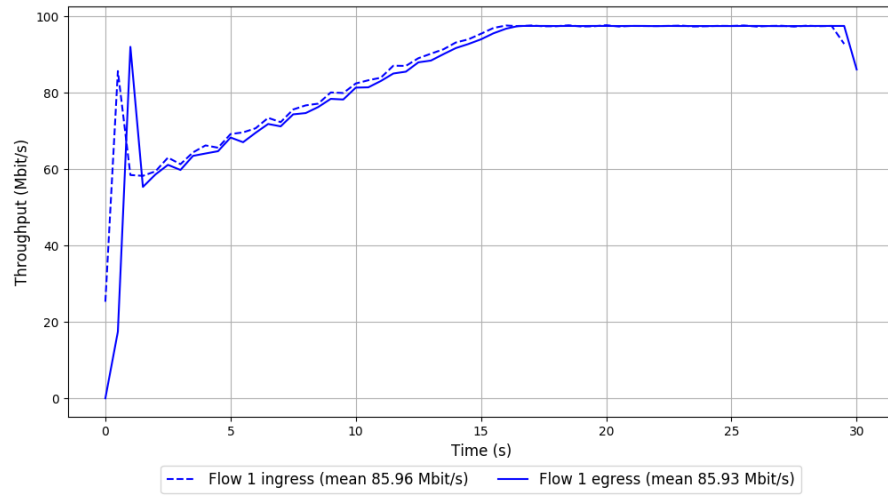
-- Flow 1:

Average throughput: 85.93 Mbit/s

95th percentile per-packet one-way delay: 32.154 ms

Loss rate: 0.25%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-25 01:19:26

End at: 2018-07-25 01:19:56

Local clock offset: 0.118 ms

Remote clock offset: 1.331 ms

Below is generated by plot.py at 2018-07-25 03:41:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.63 Mbit/s

95th percentile per-packet one-way delay: 32.134 ms

Loss rate: 0.25%

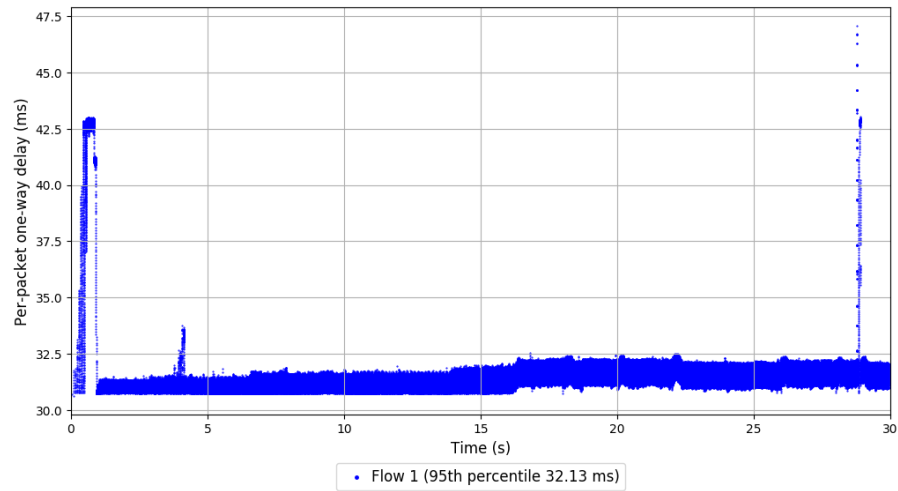
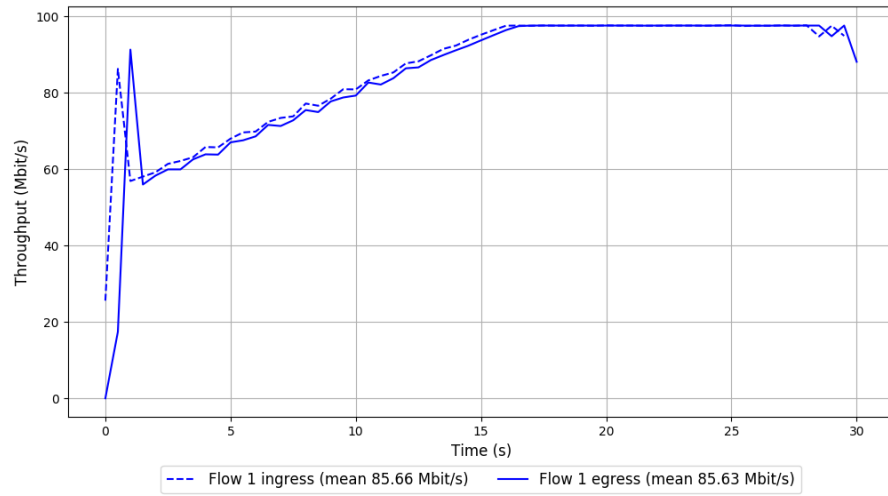
-- Flow 1:

Average throughput: 85.63 Mbit/s

95th percentile per-packet one-way delay: 32.134 ms

Loss rate: 0.25%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-25 01:41:50

End at: 2018-07-25 01:42:20

Local clock offset: 2.31 ms

Remote clock offset: 1.318 ms

Below is generated by plot.py at 2018-07-25 03:41:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.62 Mbit/s

95th percentile per-packet one-way delay: 32.028 ms

Loss rate: 0.25%

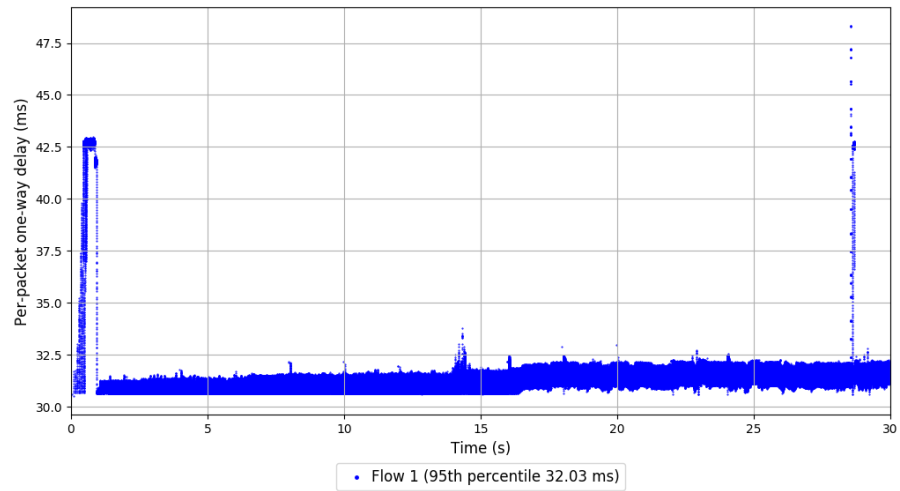
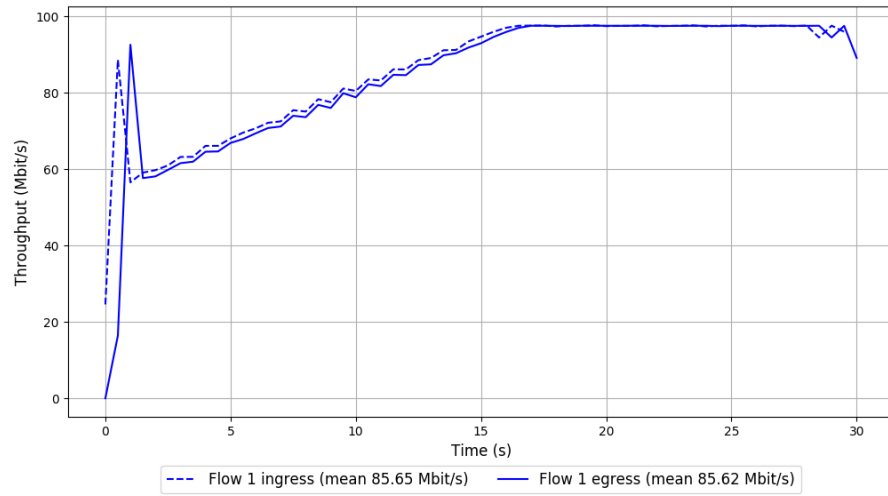
-- Flow 1:

Average throughput: 85.62 Mbit/s

95th percentile per-packet one-way delay: 32.028 ms

Loss rate: 0.25%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-25 02:04:11

End at: 2018-07-25 02:04:41

Local clock offset: 3.956 ms

Remote clock offset: 1.445 ms

Below is generated by plot.py at 2018-07-25 03:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.44 Mbit/s

95th percentile per-packet one-way delay: 32.255 ms

Loss rate: 0.25%

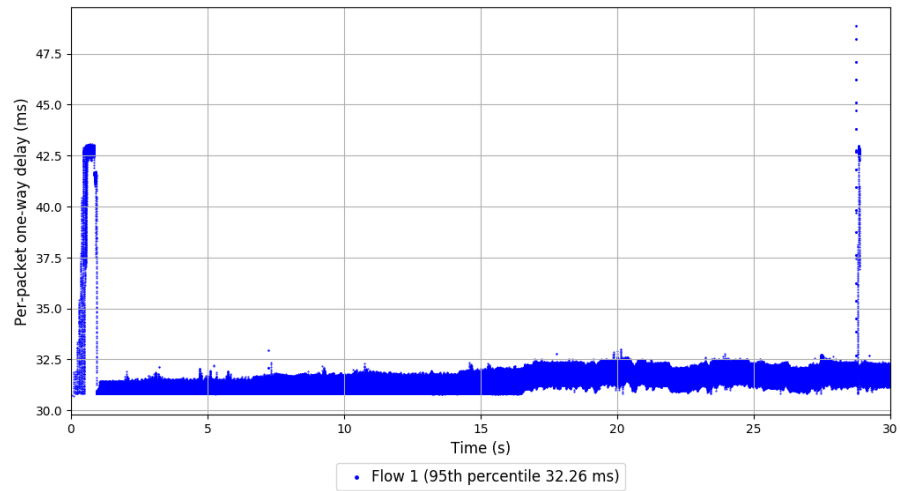
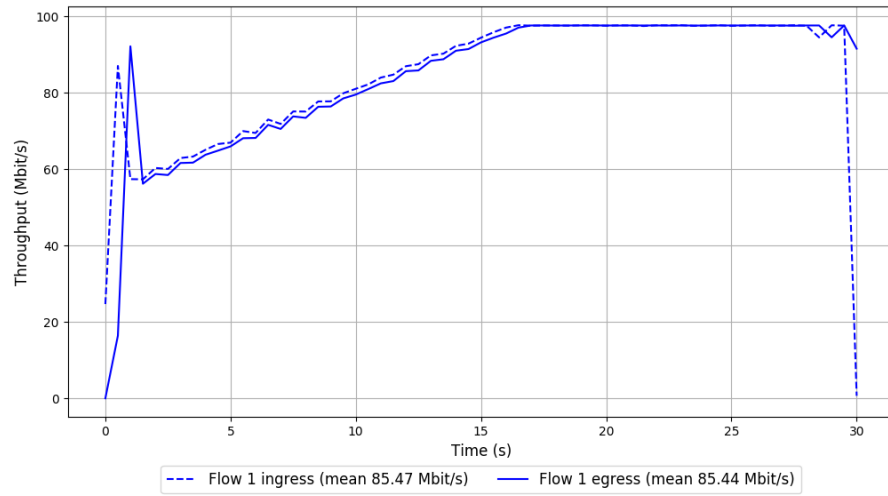
-- Flow 1:

Average throughput: 85.44 Mbit/s

95th percentile per-packet one-way delay: 32.255 ms

Loss rate: 0.25%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-25 02:26:24

End at: 2018-07-25 02:26:54

Local clock offset: 4.54 ms

Remote clock offset: 1.274 ms

Below is generated by plot.py at 2018-07-25 03:42:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.67 Mbit/s

95th percentile per-packet one-way delay: 32.105 ms

Loss rate: 0.25%

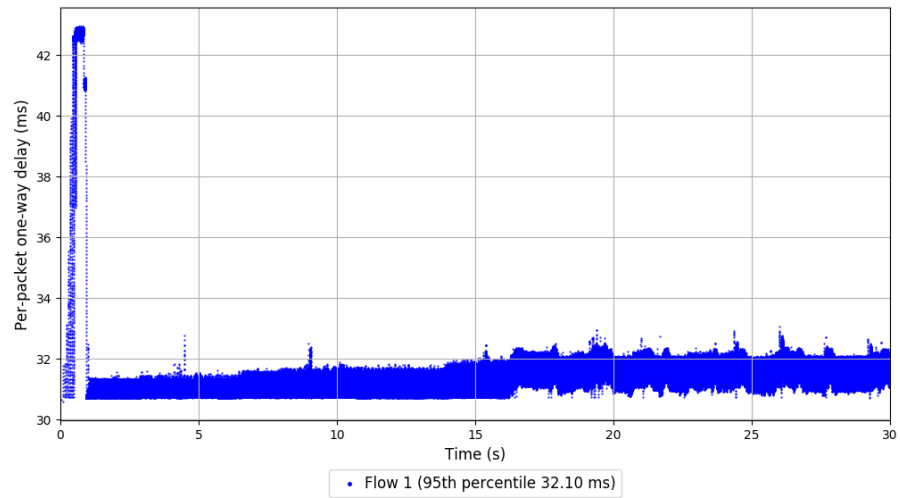
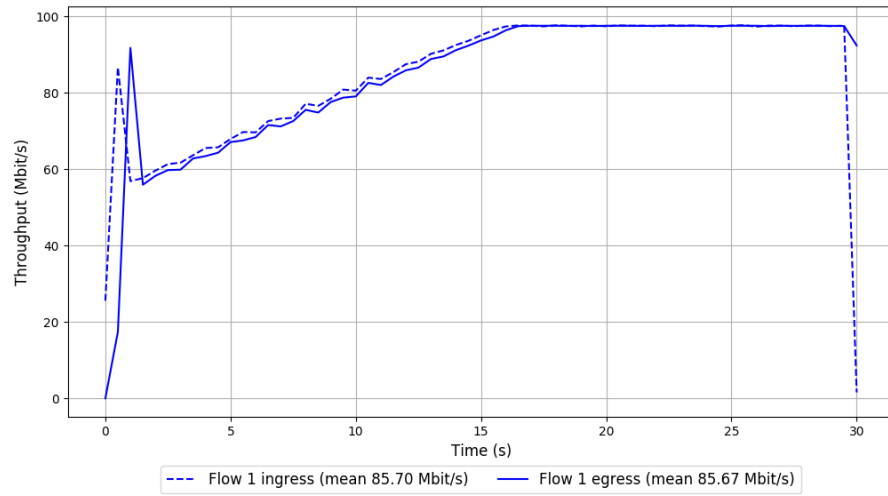
-- Flow 1:

Average throughput: 85.67 Mbit/s

95th percentile per-packet one-way delay: 32.105 ms

Loss rate: 0.25%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-25 02:48:50

End at: 2018-07-25 02:49:20

Local clock offset: 3.122 ms

Remote clock offset: 1.428 ms

Below is generated by plot.py at 2018-07-25 03:42:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.04 Mbit/s

95th percentile per-packet one-way delay: 32.240 ms

Loss rate: 0.25%

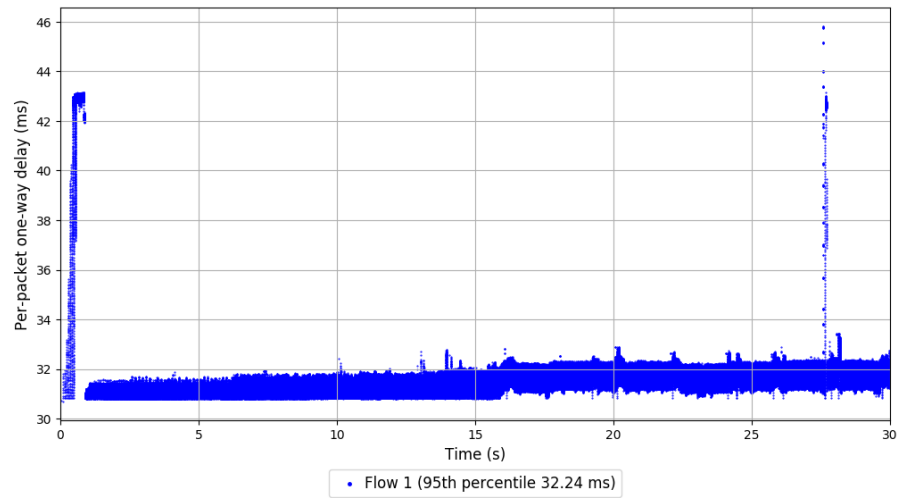
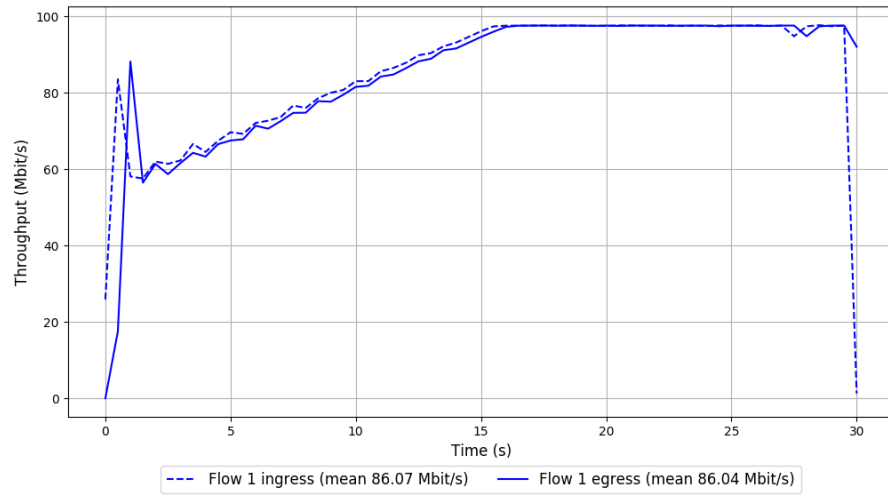
-- Flow 1:

Average throughput: 86.04 Mbit/s

95th percentile per-packet one-way delay: 32.240 ms

Loss rate: 0.25%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-25 03:11:03

End at: 2018-07-25 03:11:33

Local clock offset: 0.671 ms

Remote clock offset: 1.256 ms

Below is generated by plot.py at 2018-07-25 03:42:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.86 Mbit/s

95th percentile per-packet one-way delay: 32.248 ms

Loss rate: 0.25%

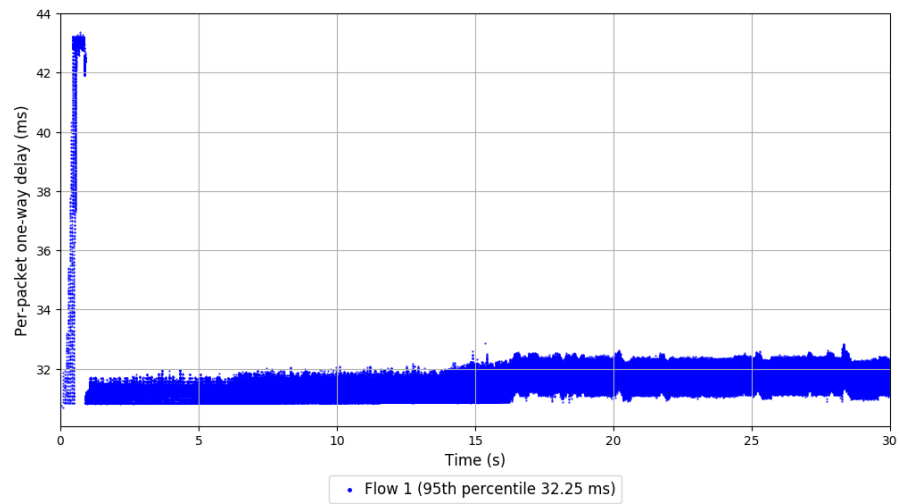
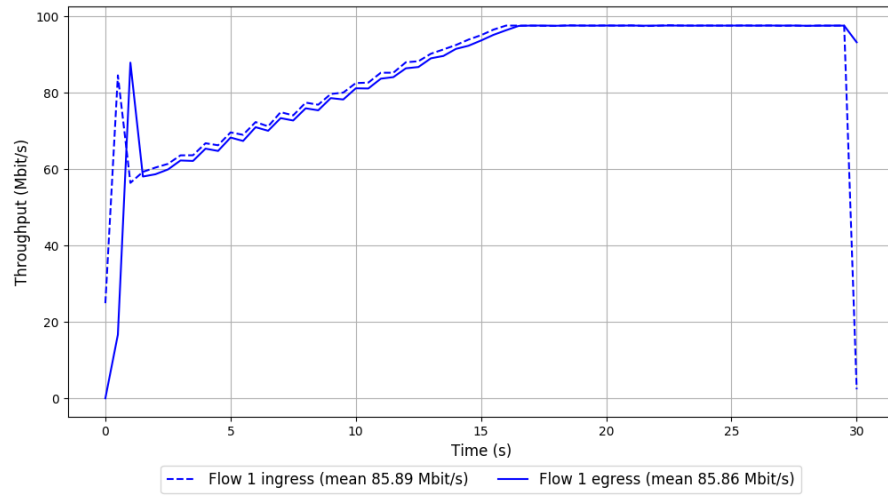
-- Flow 1:

Average throughput: 85.86 Mbit/s

95th percentile per-packet one-way delay: 32.248 ms

Loss rate: 0.25%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-24 23:46:23

End at: 2018-07-24 23:46:53

Local clock offset: 0.158 ms

Remote clock offset: 2.236 ms

Below is generated by plot.py at 2018-07-25 03:42:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.31 Mbit/s

95th percentile per-packet one-way delay: 42.899 ms

Loss rate: 0.38%

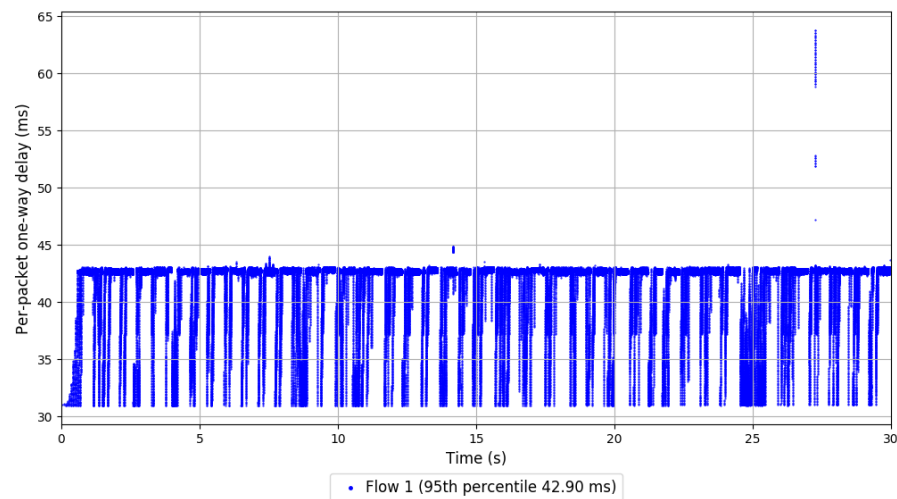
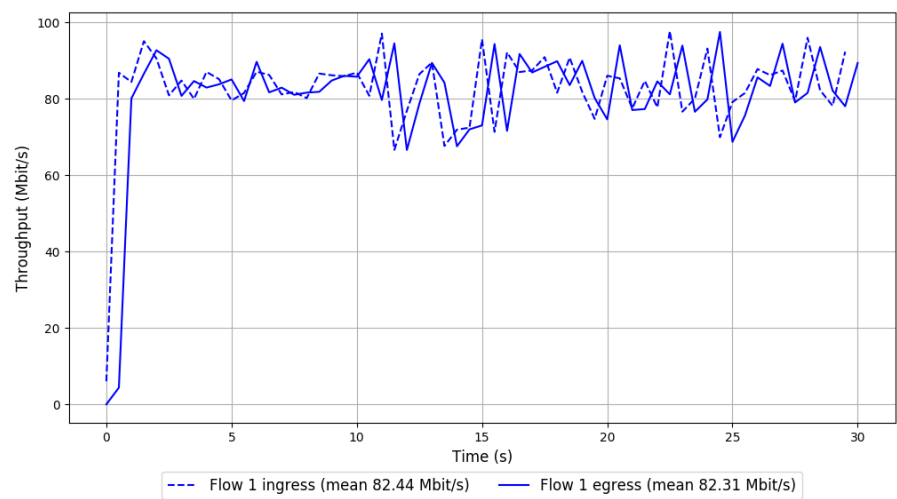
-- Flow 1:

Average throughput: 82.31 Mbit/s

95th percentile per-packet one-way delay: 42.899 ms

Loss rate: 0.38%

Run 1: Report of Verus — Data Link

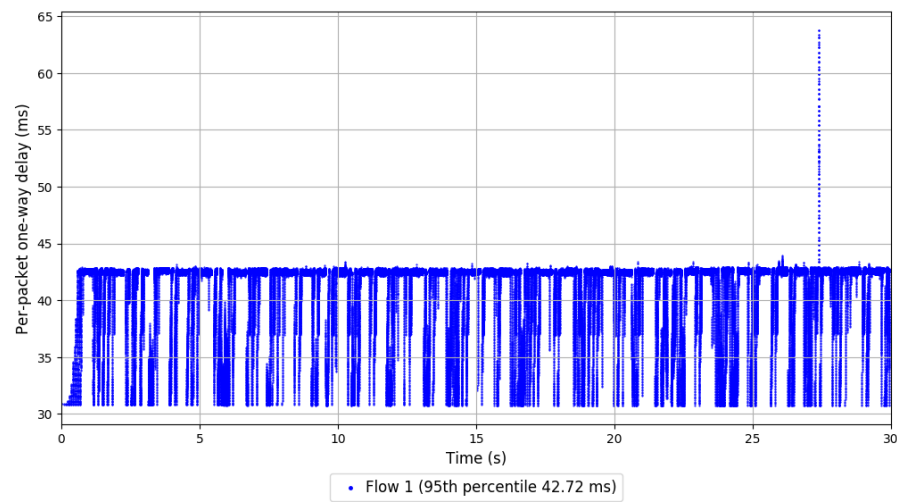
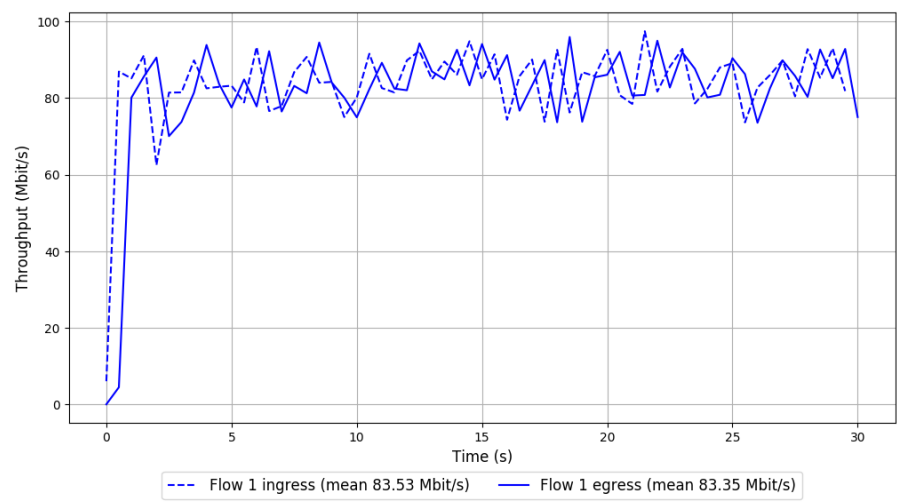


Run 2: Statistics of Verus

Start at: 2018-07-25 00:08:39
End at: 2018-07-25 00:09:09
Local clock offset: -0.472 ms
Remote clock offset: 2.665 ms

Below is generated by plot.py at 2018-07-25 03:42:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.35 Mbit/s
95th percentile per-packet one-way delay: 42.719 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 83.35 Mbit/s
95th percentile per-packet one-way delay: 42.719 ms
Loss rate: 0.43%

Run 2: Report of Verus — Data Link

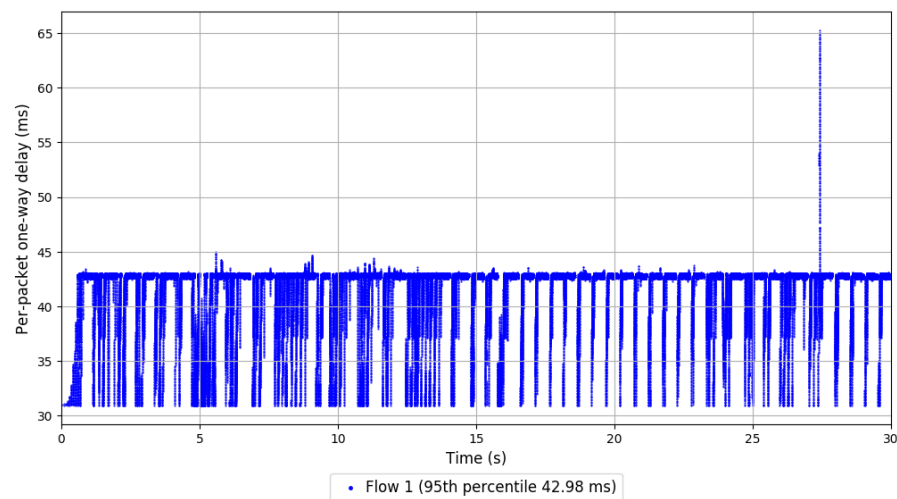
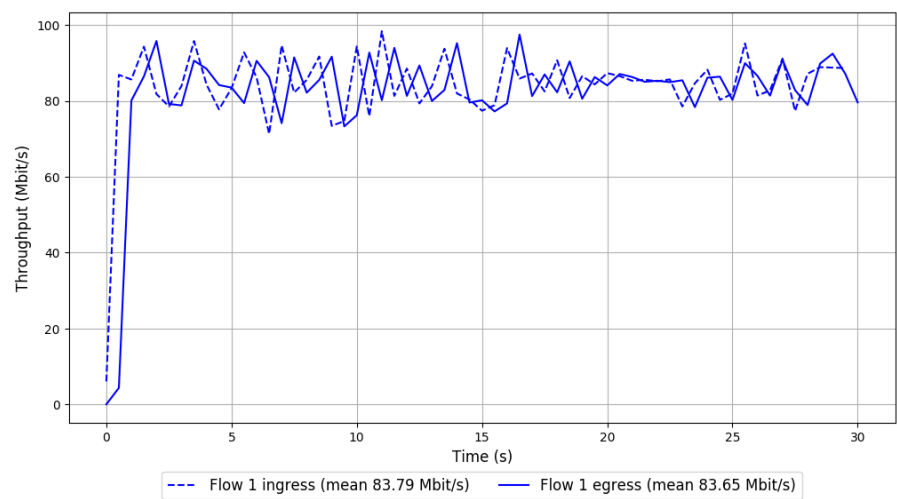


Run 3: Statistics of Verus

Start at: 2018-07-25 00:30:53
End at: 2018-07-25 00:31:23
Local clock offset: -0.387 ms
Remote clock offset: 2.081 ms

Below is generated by plot.py at 2018-07-25 03:42:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.65 Mbit/s
95th percentile per-packet one-way delay: 42.975 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 83.65 Mbit/s
95th percentile per-packet one-way delay: 42.975 ms
Loss rate: 0.38%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-25 00:53:10

End at: 2018-07-25 00:53:40

Local clock offset: -0.077 ms

Remote clock offset: 1.488 ms

Below is generated by plot.py at 2018-07-25 03:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.01 Mbit/s

95th percentile per-packet one-way delay: 42.862 ms

Loss rate: 0.45%

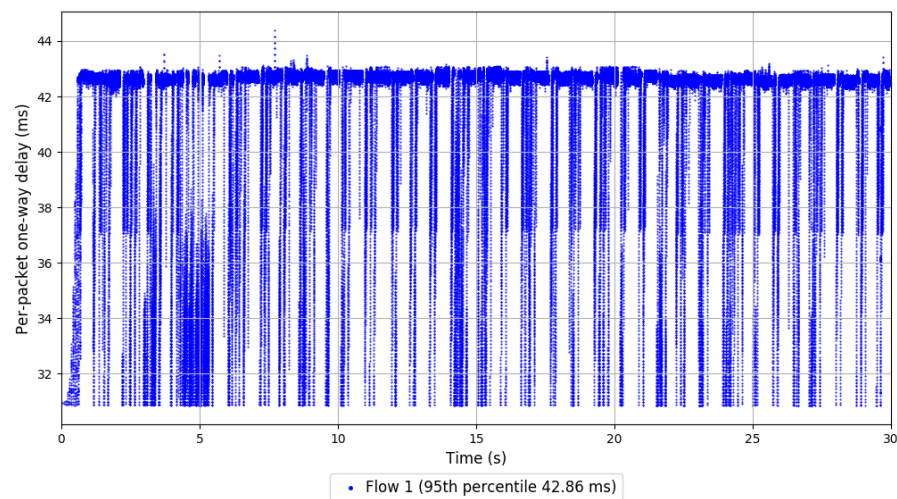
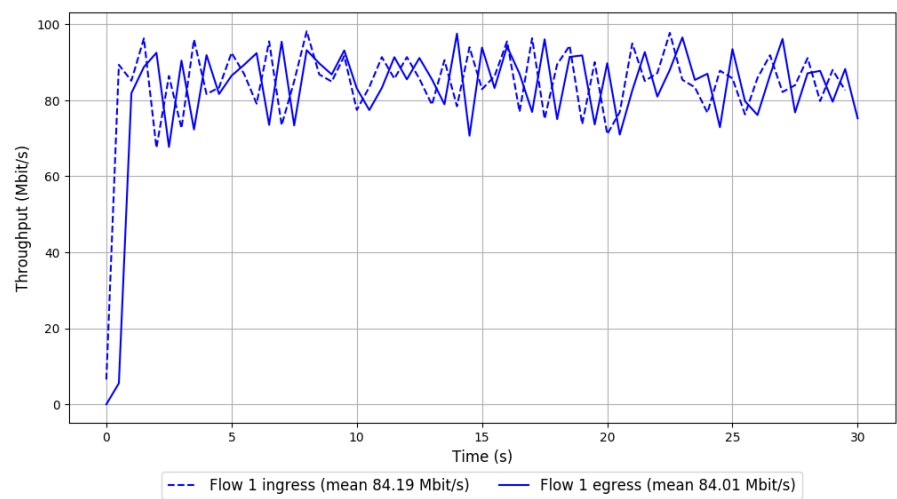
-- Flow 1:

Average throughput: 84.01 Mbit/s

95th percentile per-packet one-way delay: 42.862 ms

Loss rate: 0.45%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-25 01:15:29

End at: 2018-07-25 01:15:59

Local clock offset: 0.118 ms

Remote clock offset: 1.276 ms

Below is generated by plot.py at 2018-07-25 03:43:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.60 Mbit/s

95th percentile per-packet one-way delay: 42.883 ms

Loss rate: 0.45%

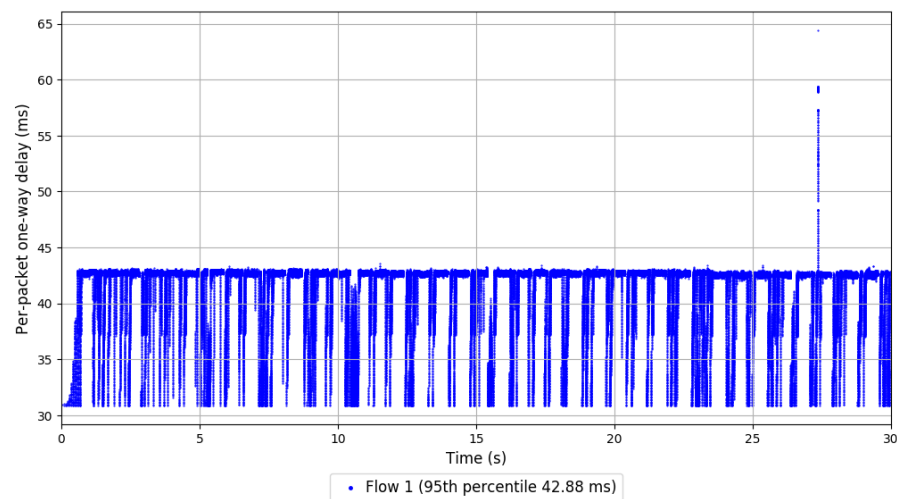
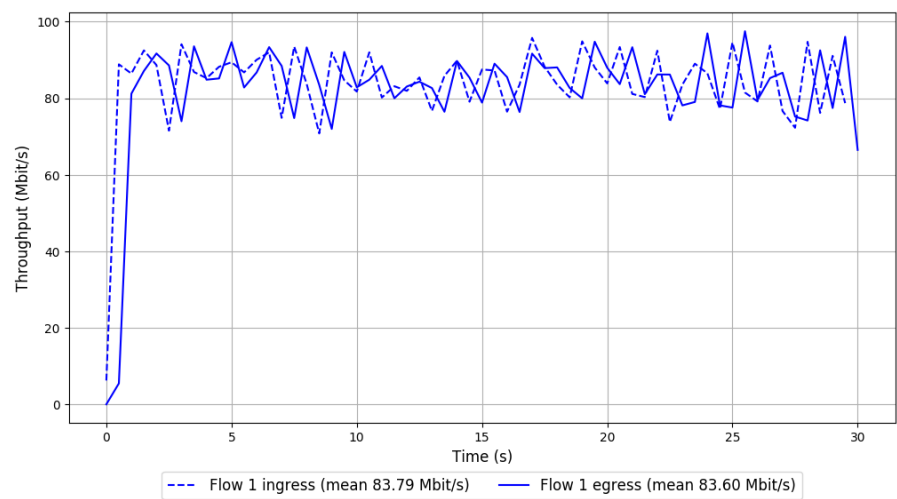
-- Flow 1:

Average throughput: 83.60 Mbit/s

95th percentile per-packet one-way delay: 42.883 ms

Loss rate: 0.45%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-25 01:37:50

End at: 2018-07-25 01:38:20

Local clock offset: 1.63 ms

Remote clock offset: 1.296 ms

Below is generated by plot.py at 2018-07-25 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.29 Mbit/s

95th percentile per-packet one-way delay: 42.700 ms

Loss rate: 0.48%

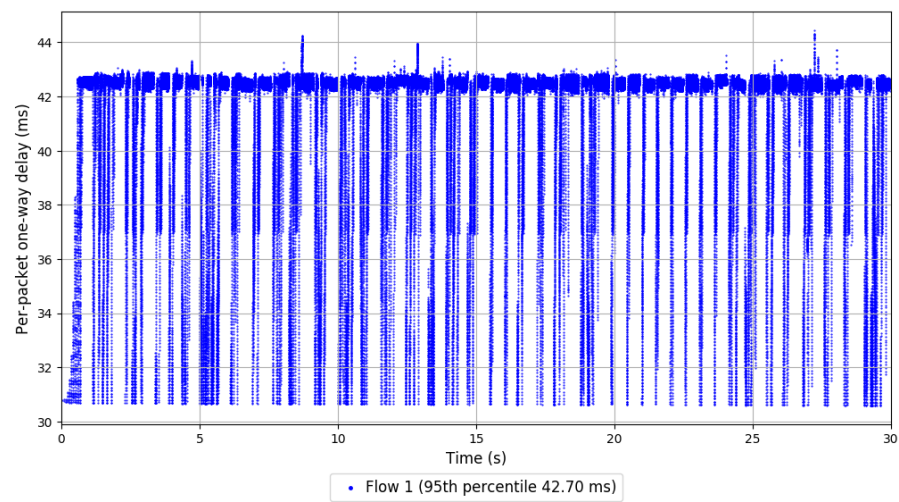
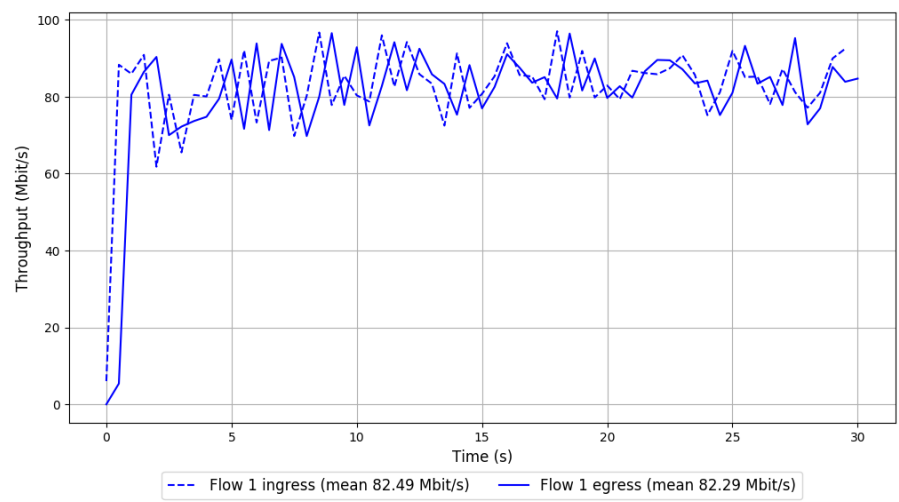
-- Flow 1:

Average throughput: 82.29 Mbit/s

95th percentile per-packet one-way delay: 42.700 ms

Loss rate: 0.48%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-25 02:00:16

End at: 2018-07-25 02:00:46

Local clock offset: 3.715 ms

Remote clock offset: 1.376 ms

Below is generated by plot.py at 2018-07-25 03:43:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.93 Mbit/s

95th percentile per-packet one-way delay: 42.866 ms

Loss rate: 0.48%

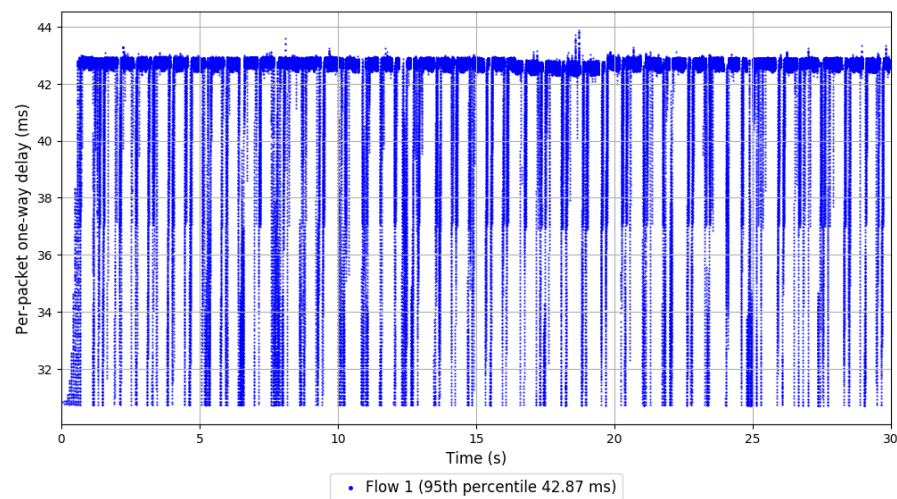
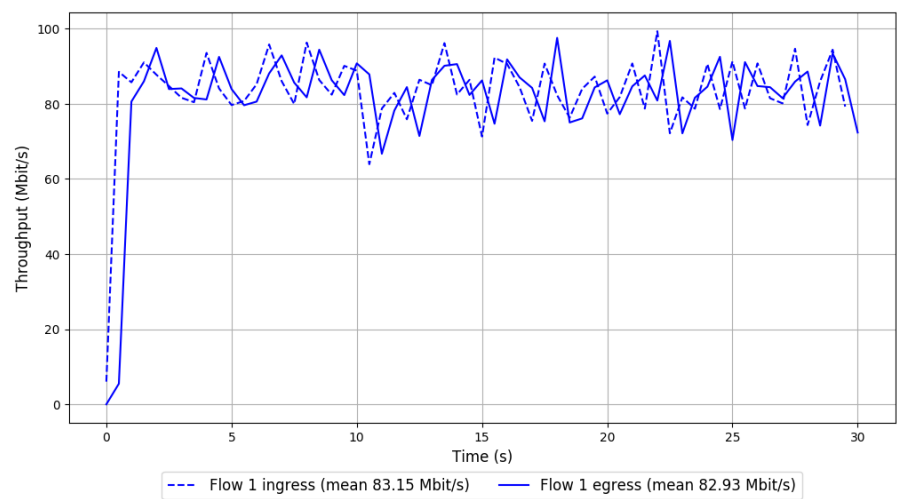
-- Flow 1:

Average throughput: 82.93 Mbit/s

95th percentile per-packet one-way delay: 42.866 ms

Loss rate: 0.48%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-25 02:22:31

End at: 2018-07-25 02:23:01

Local clock offset: 4.542 ms

Remote clock offset: 1.253 ms

Below is generated by plot.py at 2018-07-25 03:43:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.46 Mbit/s

95th percentile per-packet one-way delay: 42.894 ms

Loss rate: 0.31%

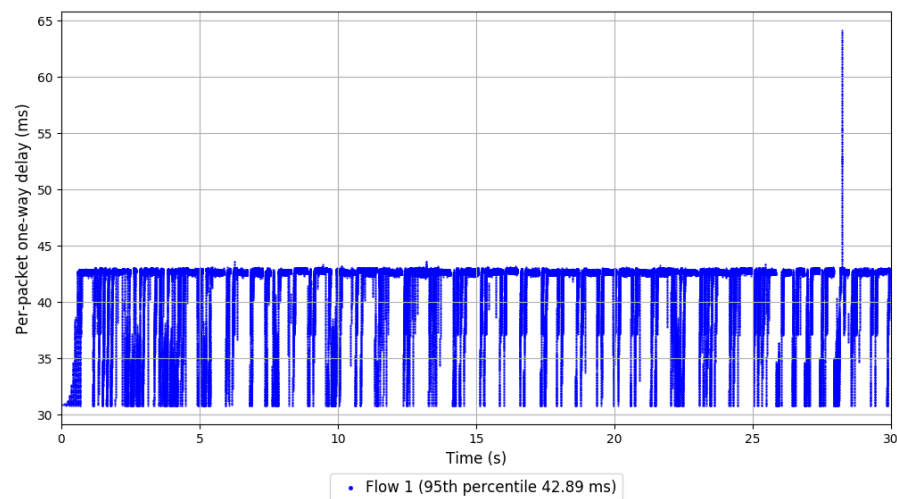
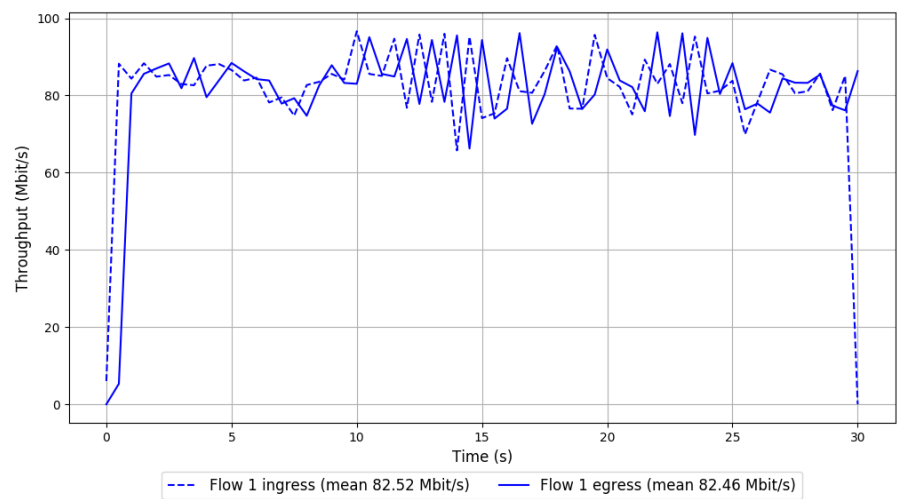
-- Flow 1:

Average throughput: 82.46 Mbit/s

95th percentile per-packet one-way delay: 42.894 ms

Loss rate: 0.31%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-25 02:44:55

End at: 2018-07-25 02:45:25

Local clock offset: 3.315 ms

Remote clock offset: 1.417 ms

Below is generated by plot.py at 2018-07-25 03:43:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.90 Mbit/s

95th percentile per-packet one-way delay: 42.967 ms

Loss rate: 0.30%

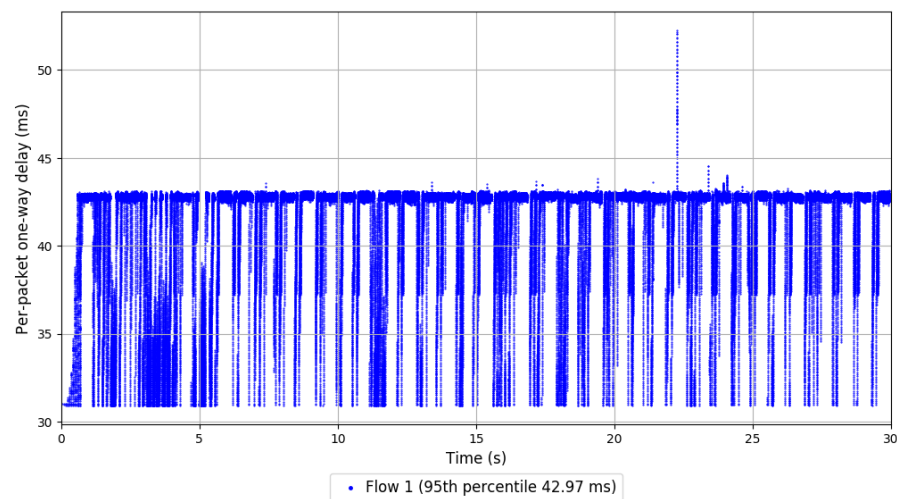
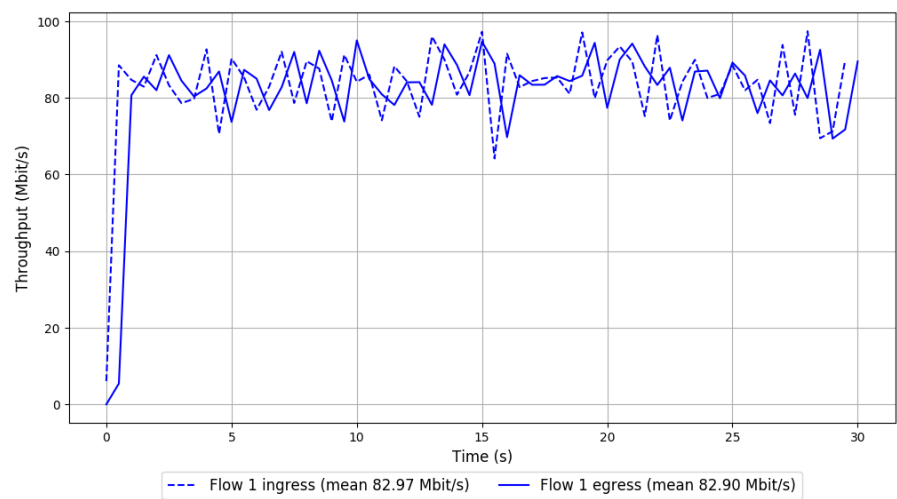
-- Flow 1:

Average throughput: 82.90 Mbit/s

95th percentile per-packet one-way delay: 42.967 ms

Loss rate: 0.30%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-25 03:07:09

End at: 2018-07-25 03:07:39

Local clock offset: 1.368 ms

Remote clock offset: 1.333 ms

Below is generated by plot.py at 2018-07-25 03:43:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.11 Mbit/s

95th percentile per-packet one-way delay: 43.043 ms

Loss rate: 0.30%

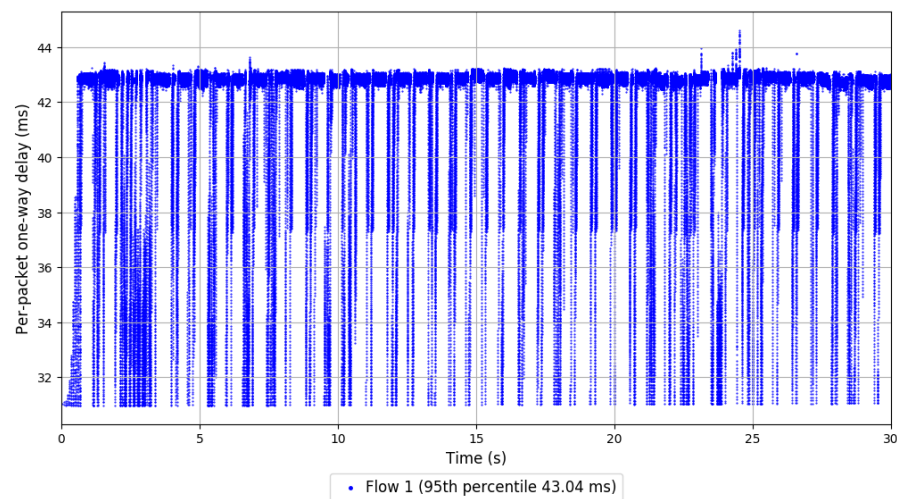
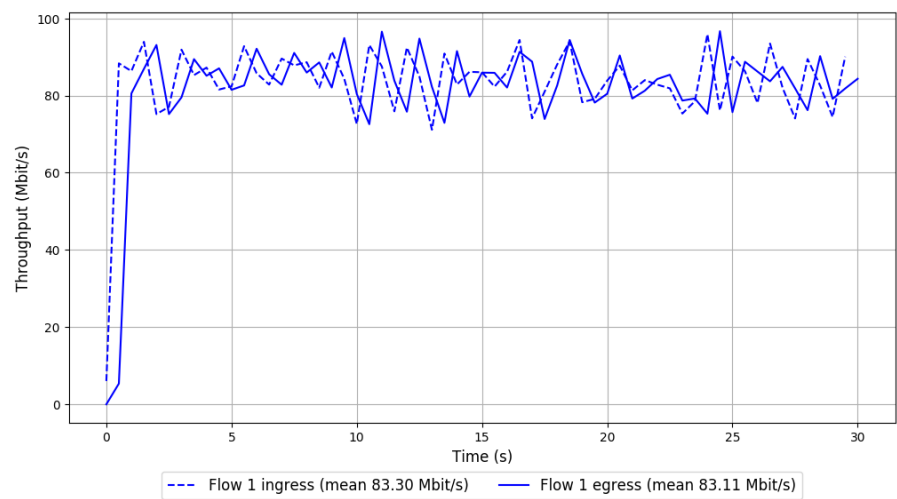
-- Flow 1:

Average throughput: 83.11 Mbit/s

95th percentile per-packet one-way delay: 43.043 ms

Loss rate: 0.30%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-24 23:45:03

End at: 2018-07-24 23:45:33

Local clock offset: 0.269 ms

Remote clock offset: 2.183 ms

Below is generated by plot.py at 2018-07-25 03:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.30 Mbit/s

95th percentile per-packet one-way delay: 32.062 ms

Loss rate: 0.24%

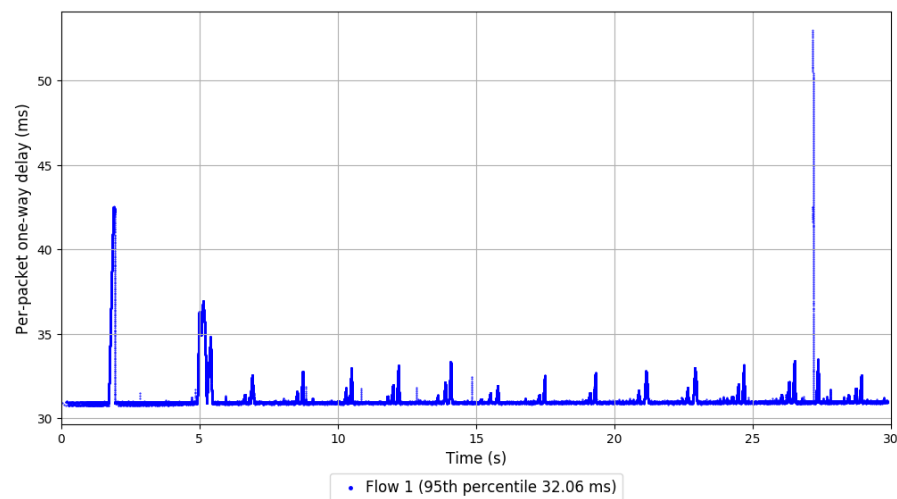
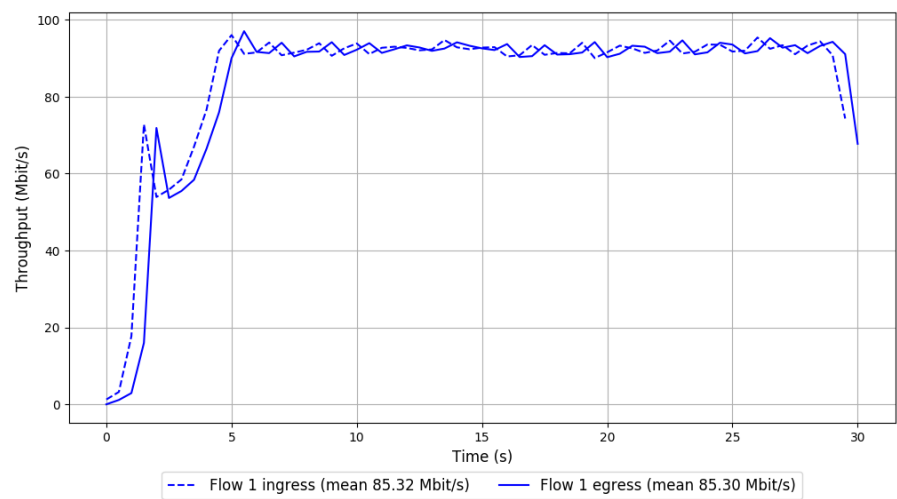
-- Flow 1:

Average throughput: 85.30 Mbit/s

95th percentile per-packet one-way delay: 32.062 ms

Loss rate: 0.24%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-25 00:07:20

End at: 2018-07-25 00:07:50

Local clock offset: -0.533 ms

Remote clock offset: 2.742 ms

Below is generated by plot.py at 2018-07-25 03:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.78 Mbit/s

95th percentile per-packet one-way delay: 31.849 ms

Loss rate: 0.24%

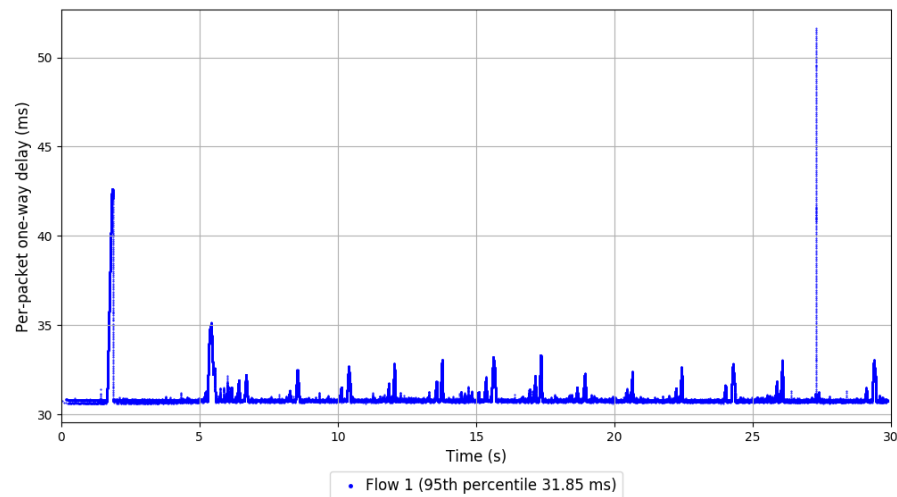
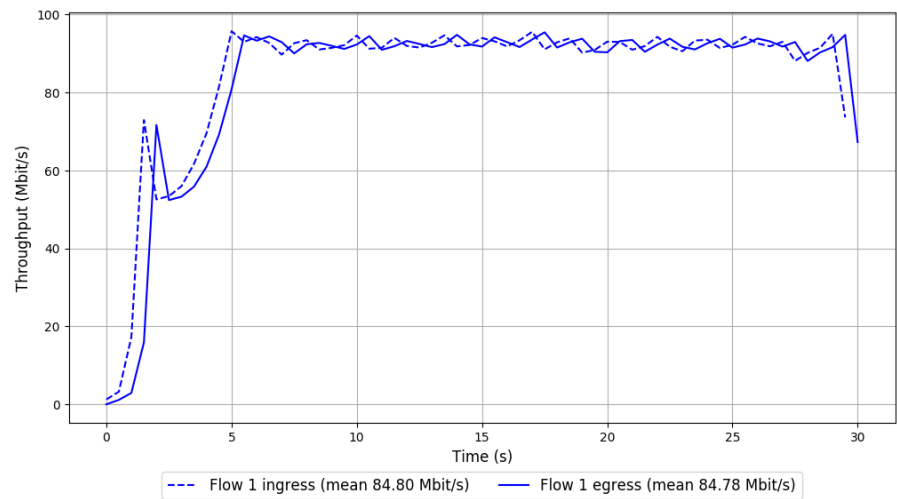
-- Flow 1:

Average throughput: 84.78 Mbit/s

95th percentile per-packet one-way delay: 31.849 ms

Loss rate: 0.24%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-25 00:29:33

End at: 2018-07-25 00:30:03

Local clock offset: -0.388 ms

Remote clock offset: 2.101 ms

Below is generated by plot.py at 2018-07-25 03:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.67 Mbit/s

95th percentile per-packet one-way delay: 33.514 ms

Loss rate: 0.25%

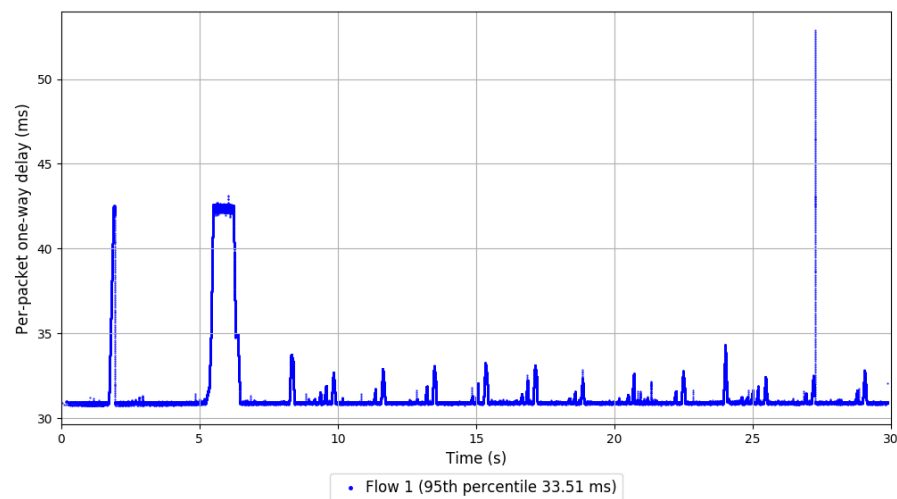
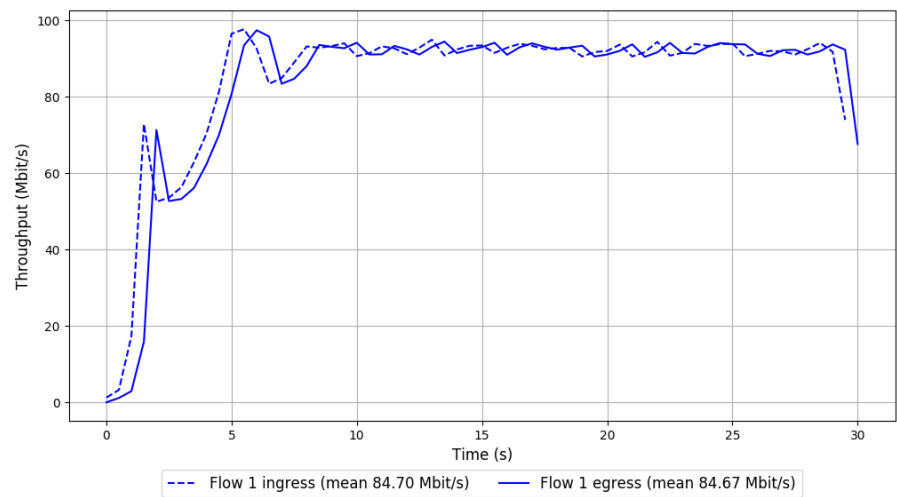
-- Flow 1:

Average throughput: 84.67 Mbit/s

95th percentile per-packet one-way delay: 33.514 ms

Loss rate: 0.25%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-25 00:51:51

End at: 2018-07-25 00:52:21

Local clock offset: -0.067 ms

Remote clock offset: 1.522 ms

Below is generated by plot.py at 2018-07-25 03:44:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.78 Mbit/s

95th percentile per-packet one-way delay: 33.035 ms

Loss rate: 0.25%

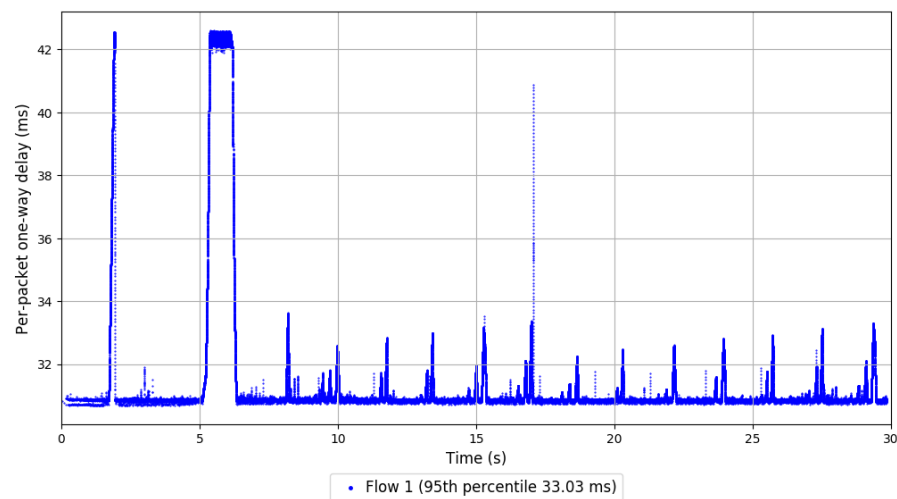
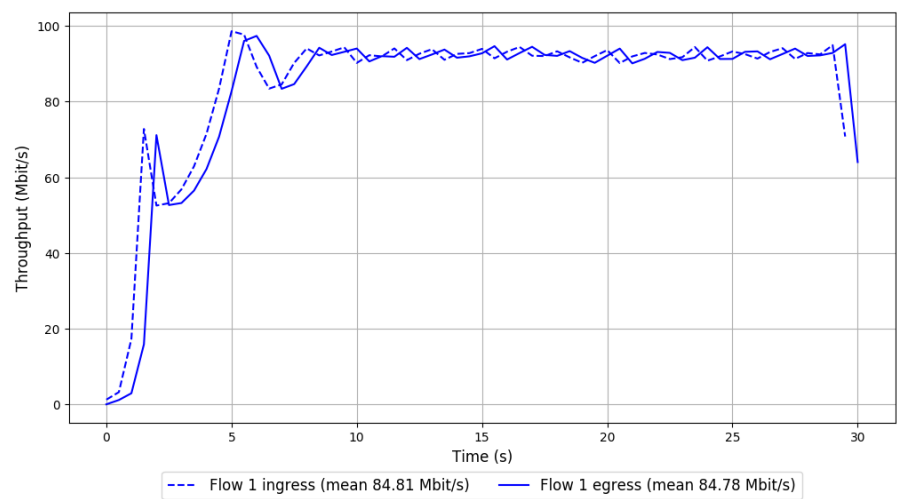
-- Flow 1:

Average throughput: 84.78 Mbit/s

95th percentile per-packet one-way delay: 33.035 ms

Loss rate: 0.25%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

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

End at: 2018-07-25 01:14:37

Local clock offset: 0.037 ms

Remote clock offset: 1.279 ms

Below is generated by plot.py at 2018-07-25 03:44:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.85 Mbit/s

95th percentile per-packet one-way delay: 33.136 ms

Loss rate: 0.25%

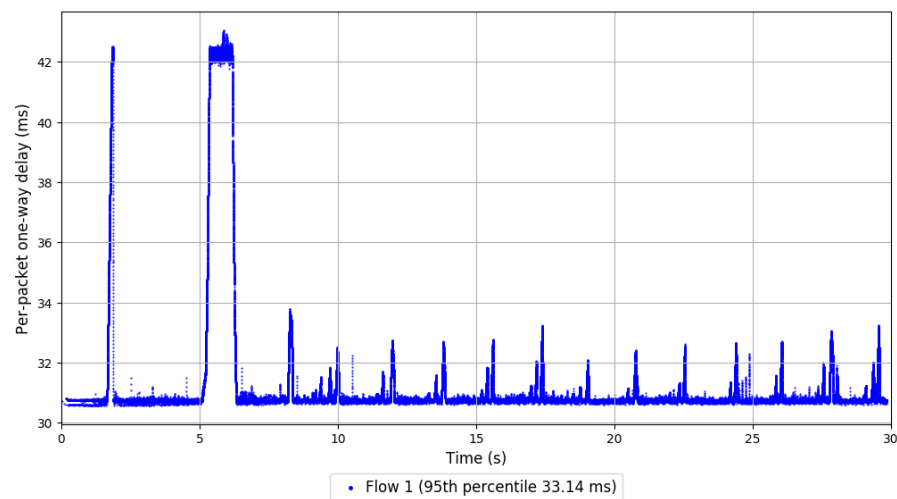
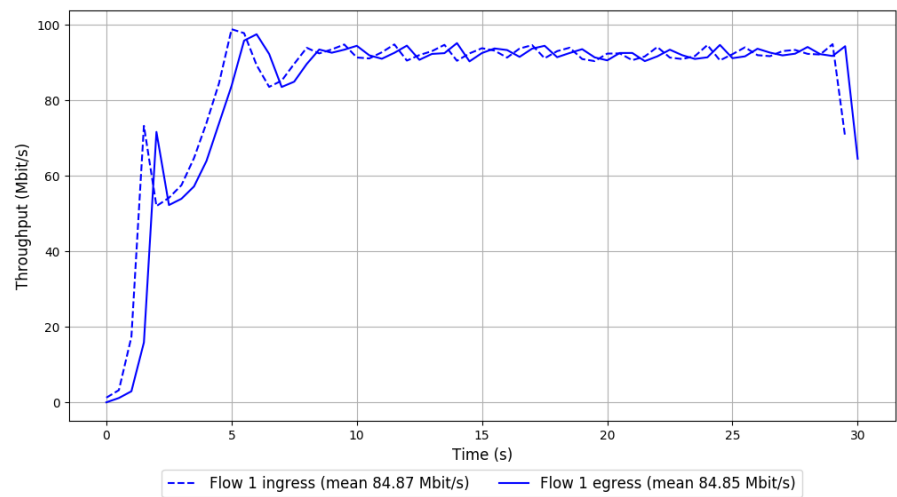
-- Flow 1:

Average throughput: 84.85 Mbit/s

95th percentile per-packet one-way delay: 33.136 ms

Loss rate: 0.25%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-25 01:36:30

End at: 2018-07-25 01:37:00

Local clock offset: 1.337 ms

Remote clock offset: 1.296 ms

Below is generated by plot.py at 2018-07-25 03:44:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.40 Mbit/s

95th percentile per-packet one-way delay: 31.709 ms

Loss rate: 0.24%

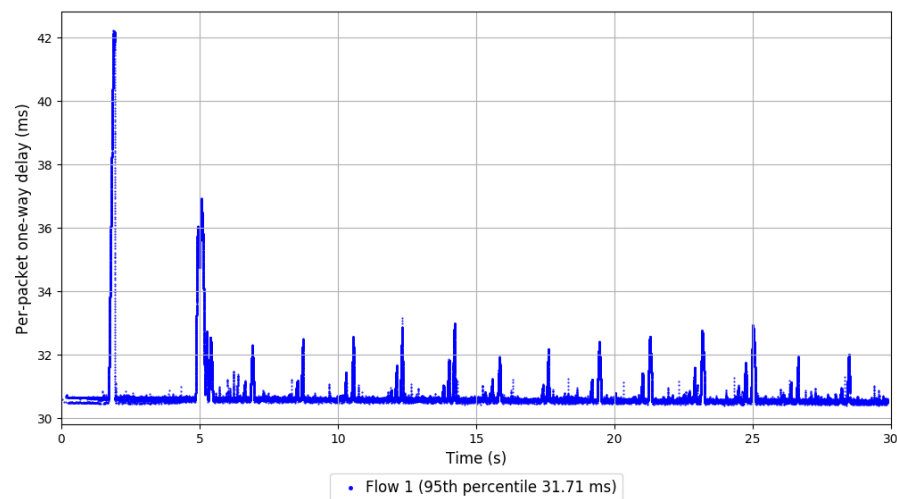
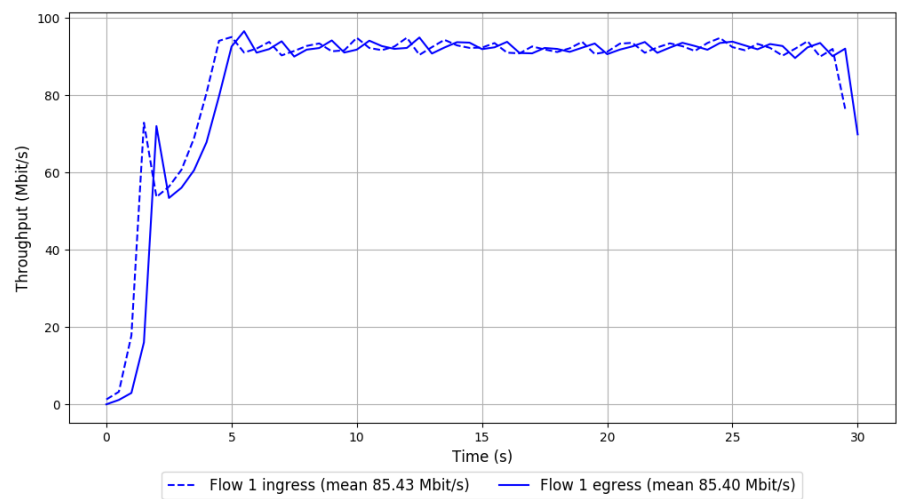
-- Flow 1:

Average throughput: 85.40 Mbit/s

95th percentile per-packet one-way delay: 31.709 ms

Loss rate: 0.24%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-25 01:58:56

End at: 2018-07-25 01:59:26

Local clock offset: 3.728 ms

Remote clock offset: 1.387 ms

Below is generated by plot.py at 2018-07-25 03:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.76 Mbit/s

95th percentile per-packet one-way delay: 32.895 ms

Loss rate: 0.24%

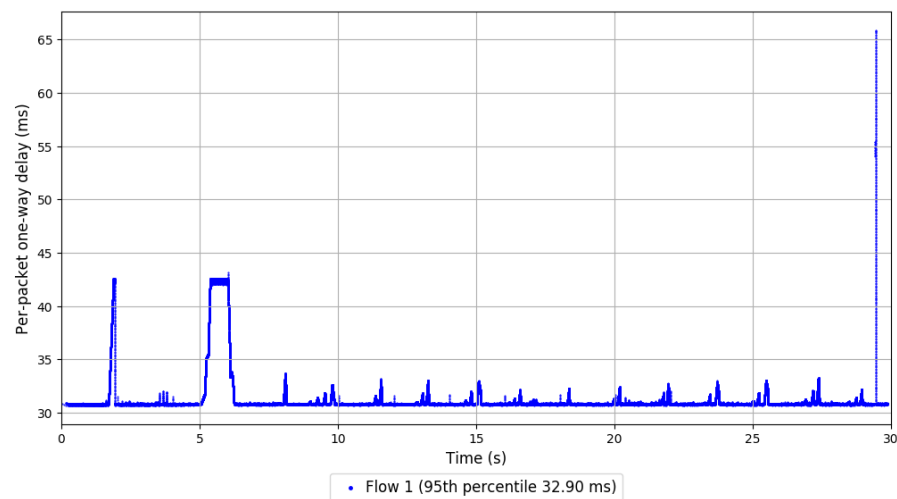
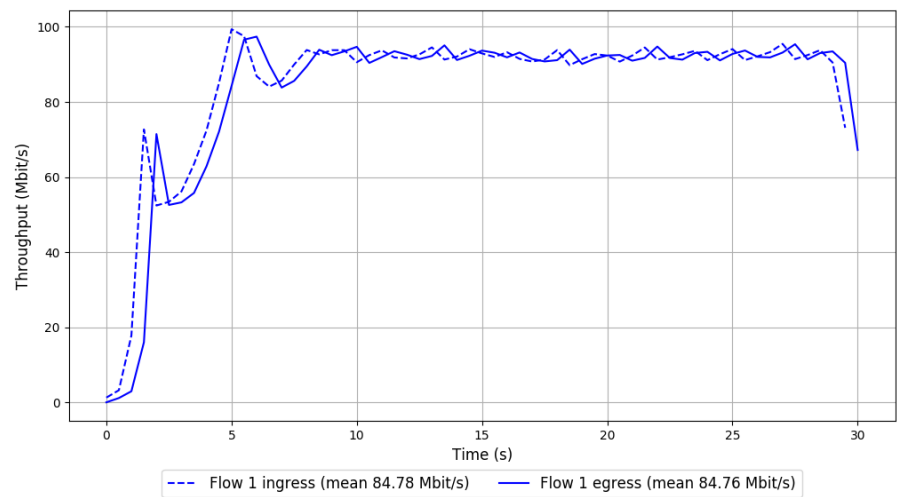
-- Flow 1:

Average throughput: 84.76 Mbit/s

95th percentile per-packet one-way delay: 32.895 ms

Loss rate: 0.24%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-25 02:21:11

End at: 2018-07-25 02:21:41

Local clock offset: 4.507 ms

Remote clock offset: 1.246 ms

Below is generated by plot.py at 2018-07-25 03:44:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.50 Mbit/s

95th percentile per-packet one-way delay: 32.537 ms

Loss rate: 0.22%

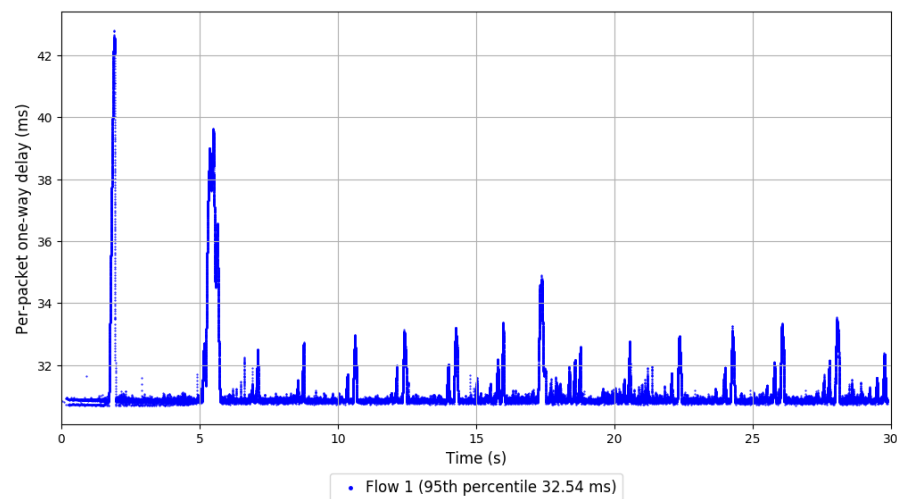
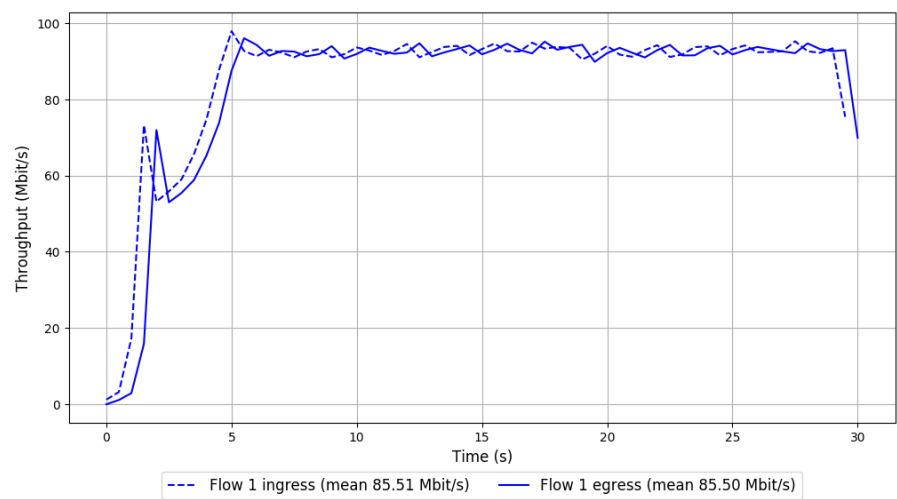
-- Flow 1:

Average throughput: 85.50 Mbit/s

95th percentile per-packet one-way delay: 32.537 ms

Loss rate: 0.22%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-25 02:43:33

End at: 2018-07-25 02:44:03

Local clock offset: 3.394 ms

Remote clock offset: 1.446 ms

Below is generated by plot.py at 2018-07-25 03:44:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 32.425 ms

Loss rate: 0.23%

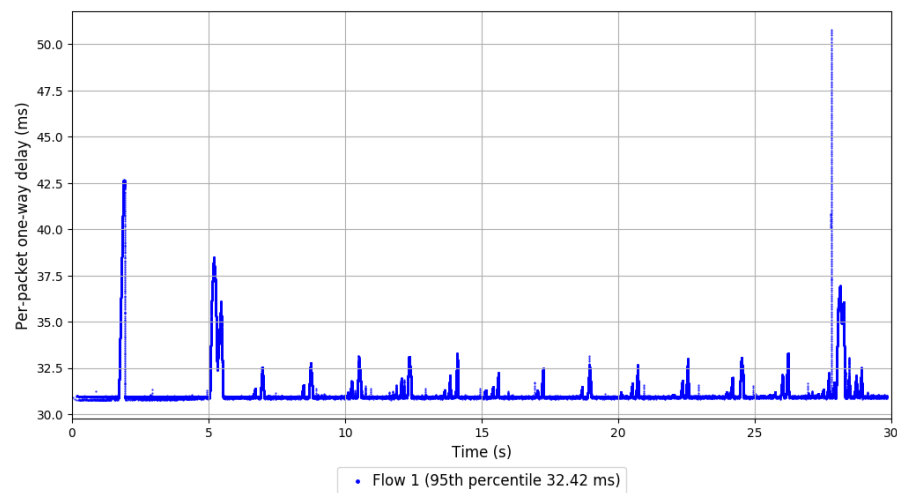
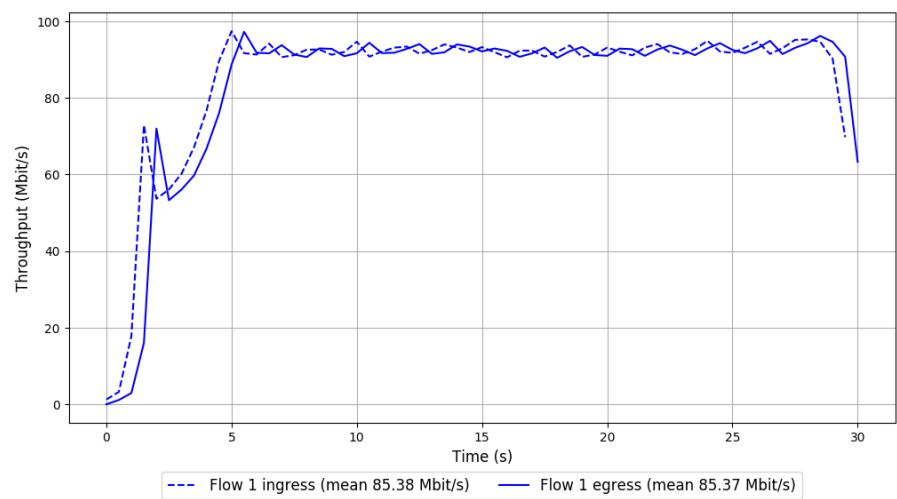
-- Flow 1:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 32.425 ms

Loss rate: 0.23%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-25 03:05:49

End at: 2018-07-25 03:06:19

Local clock offset: 1.526 ms

Remote clock offset: 1.279 ms

Below is generated by plot.py at 2018-07-25 03:44:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.21 Mbit/s

95th percentile per-packet one-way delay: 32.508 ms

Loss rate: 0.22%

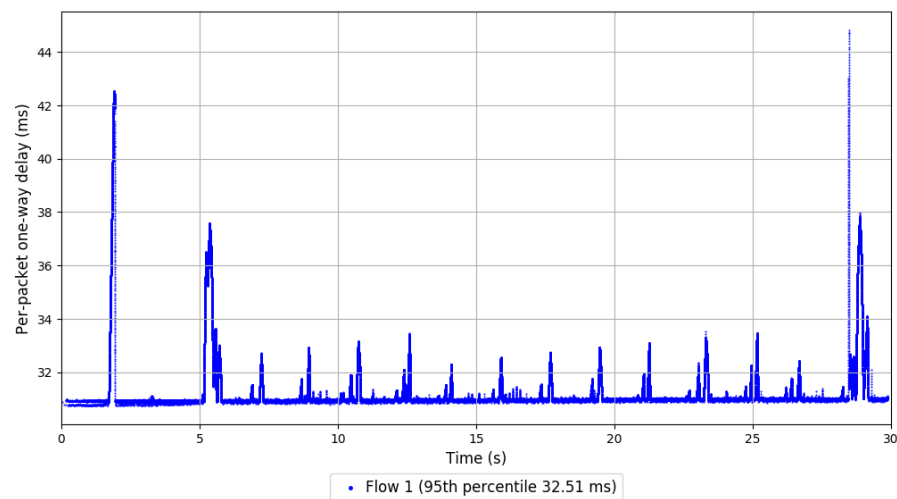
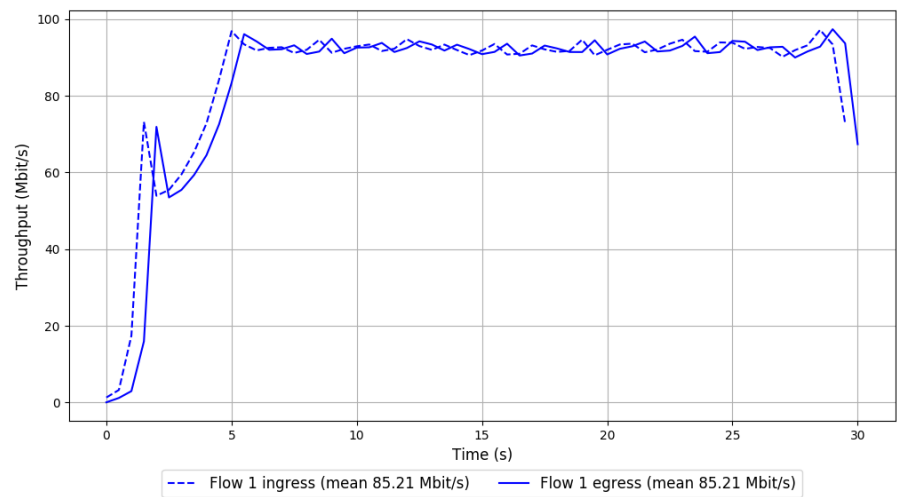
-- Flow 1:

Average throughput: 85.21 Mbit/s

95th percentile per-packet one-way delay: 32.508 ms

Loss rate: 0.22%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-24 23:49:02

End at: 2018-07-24 23:49:32

Local clock offset: -0.092 ms

Remote clock offset: 2.298 ms

Below is generated by plot.py at 2018-07-25 03:44:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 31.286 ms

Loss rate: 0.25%

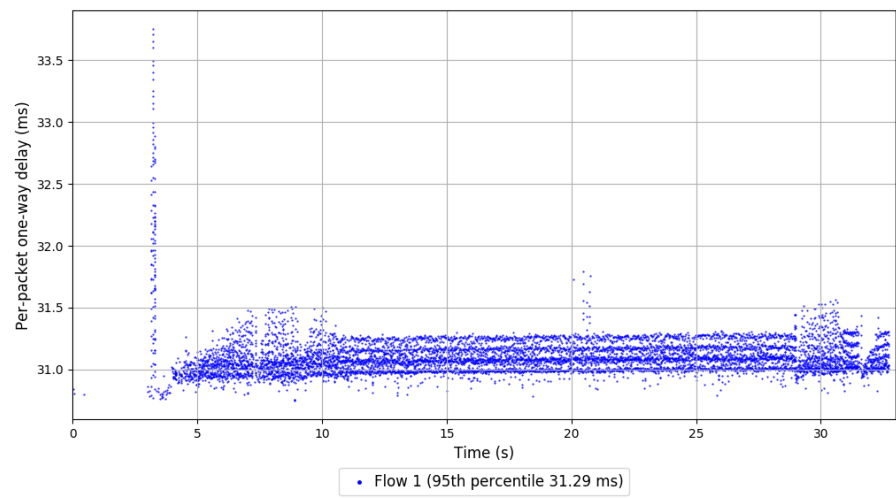
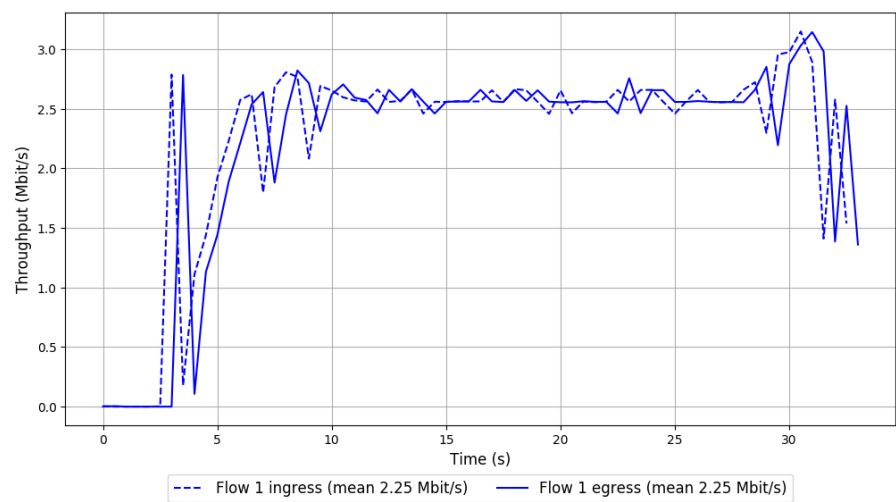
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 31.286 ms

Loss rate: 0.25%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-25 00:11:19

End at: 2018-07-25 00:11:49

Local clock offset: -0.403 ms

Remote clock offset: 2.512 ms

Below is generated by plot.py at 2018-07-25 03:44:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 30.965 ms

Loss rate: 0.20%

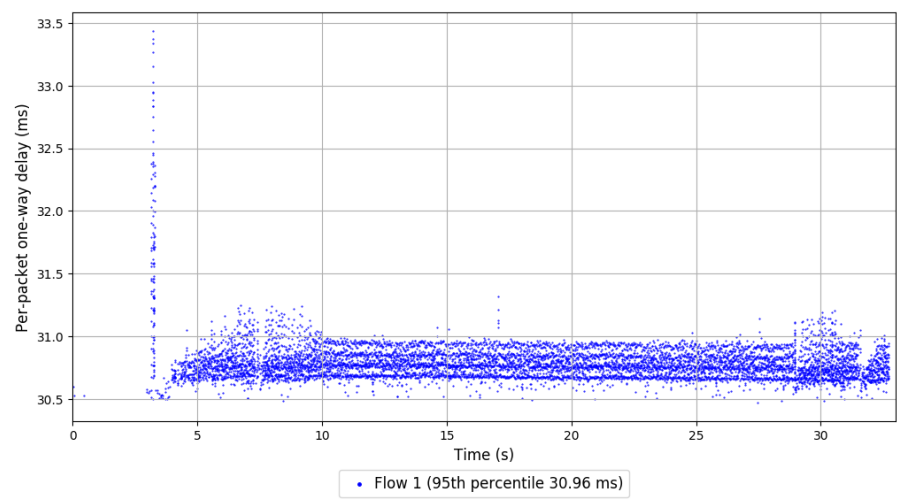
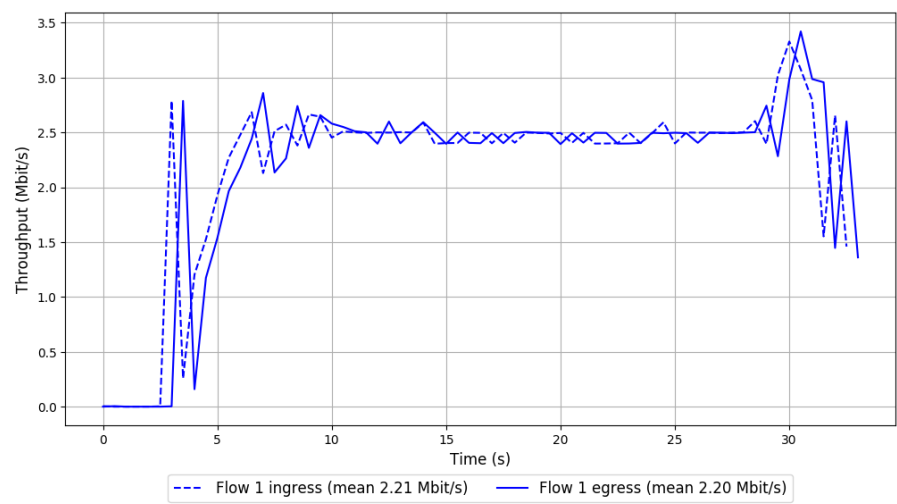
-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 30.965 ms

Loss rate: 0.20%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-25 00:33:33

End at: 2018-07-25 00:34:03

Local clock offset: -0.414 ms

Remote clock offset: 2.101 ms

Below is generated by plot.py at 2018-07-25 03:44:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 31.064 ms

Loss rate: 0.26%

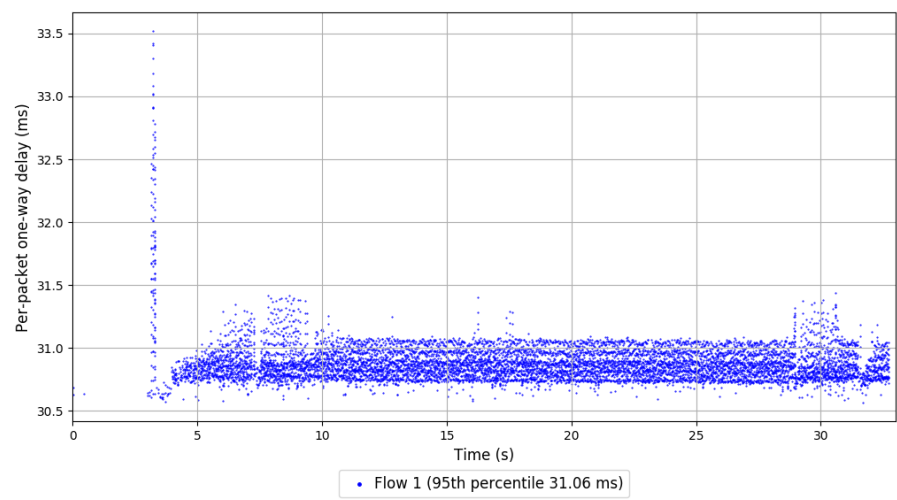
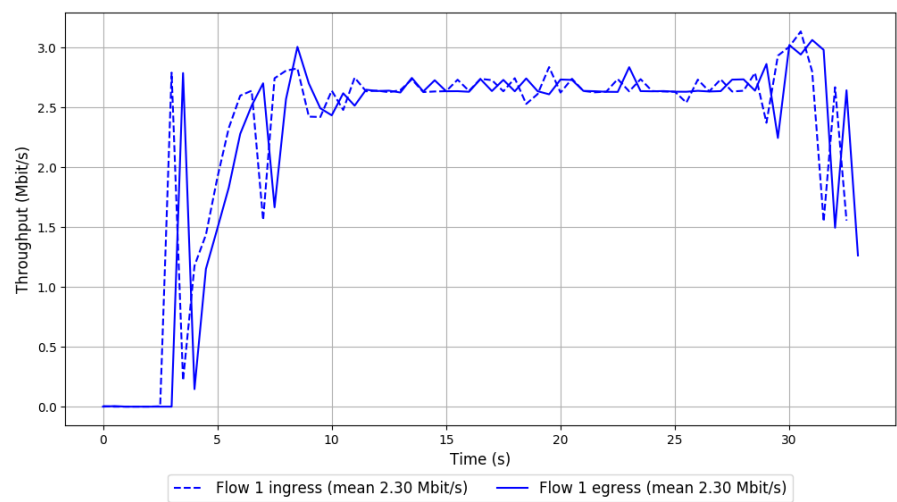
-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 31.064 ms

Loss rate: 0.26%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-25 00:55:49

End at: 2018-07-25 00:56:19

Local clock offset: -0.081 ms

Remote clock offset: 1.455 ms

Below is generated by plot.py at 2018-07-25 03:44:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 31.176 ms

Loss rate: 0.20%

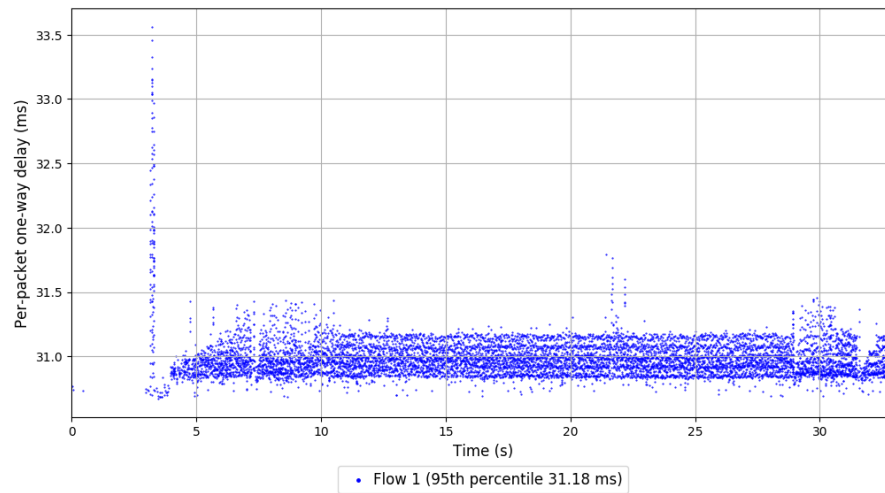
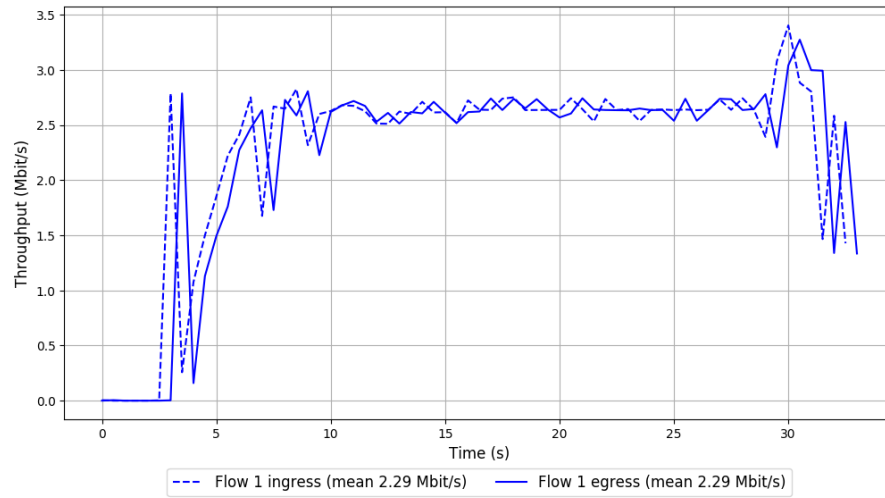
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 31.176 ms

Loss rate: 0.20%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-25 01:18:11

End at: 2018-07-25 01:18:41

Local clock offset: 0.123 ms

Remote clock offset: 1.323 ms

Below is generated by plot.py at 2018-07-25 03:44:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 31.105 ms

Loss rate: 0.21%

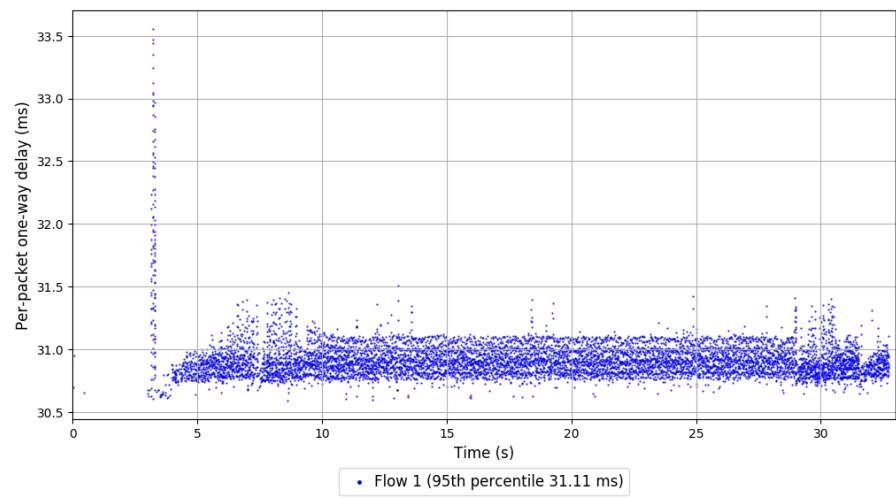
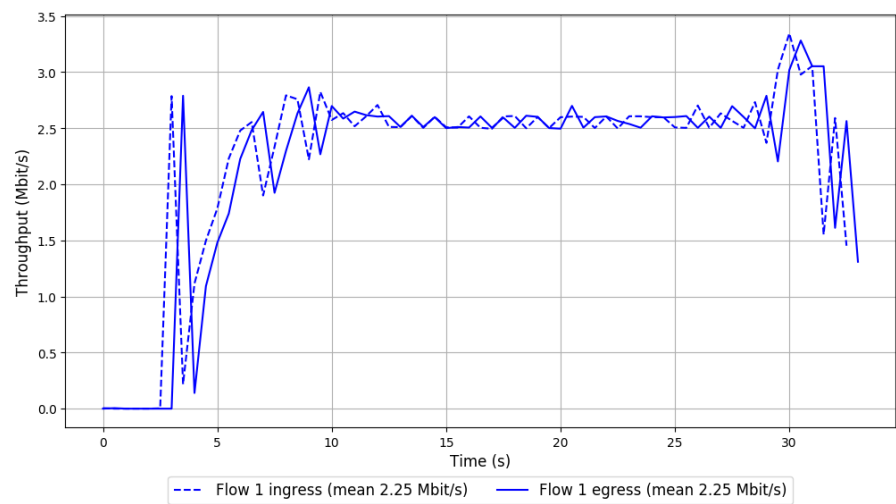
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 31.105 ms

Loss rate: 0.21%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-25 01:40:35

End at: 2018-07-25 01:41:05

Local clock offset: 2.238 ms

Remote clock offset: 1.314 ms

Below is generated by plot.py at 2018-07-25 03:44:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 31.097 ms

Loss rate: 0.25%

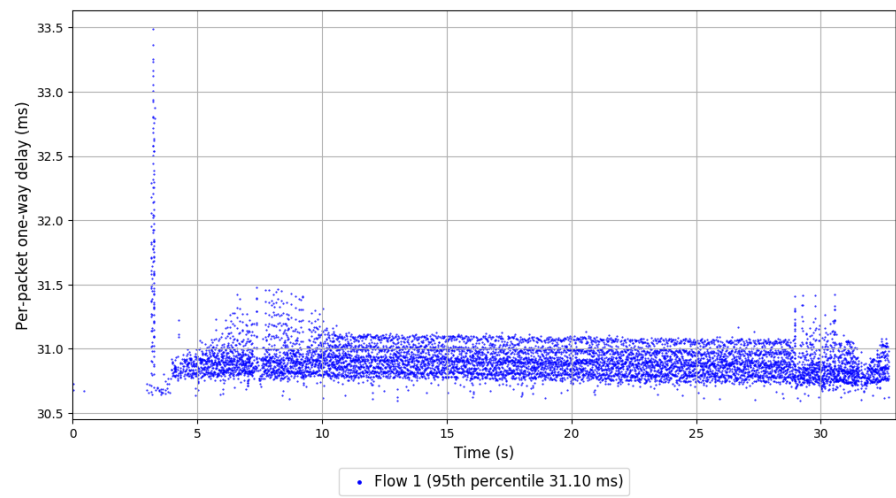
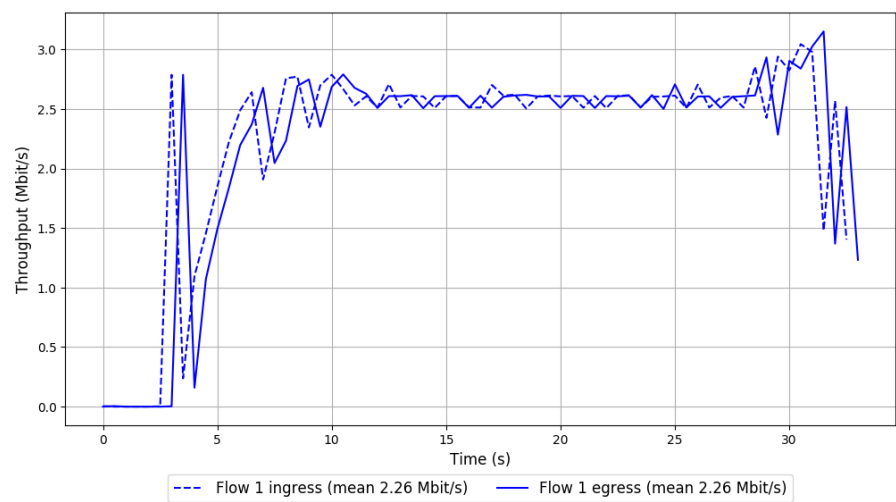
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 31.097 ms

Loss rate: 0.25%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-25 02:02:55

End at: 2018-07-25 02:03:25

Local clock offset: 3.898 ms

Remote clock offset: 1.463 ms

Below is generated by plot.py at 2018-07-25 03:44:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 31.047 ms

Loss rate: 0.22%

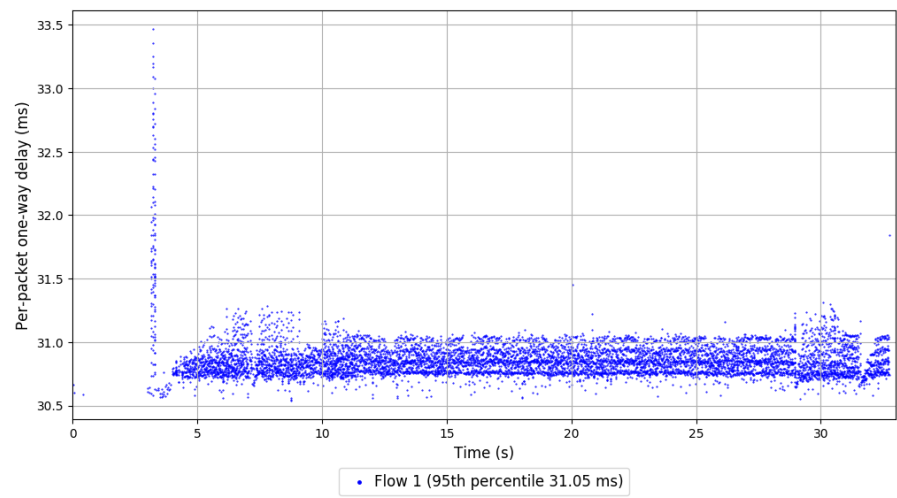
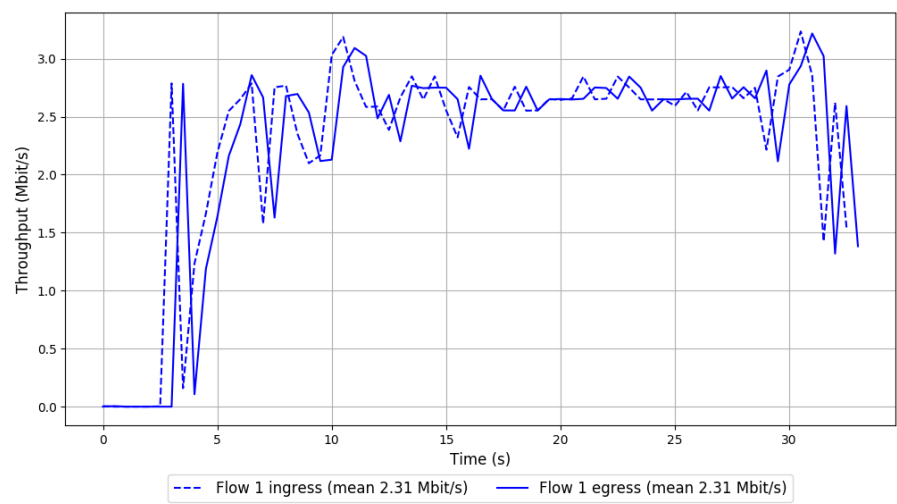
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 31.047 ms

Loss rate: 0.22%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-25 02:25:10

End at: 2018-07-25 02:25:40

Local clock offset: 4.602 ms

Remote clock offset: 1.288 ms

Below is generated by plot.py at 2018-07-25 03:44:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 31.166 ms

Loss rate: 0.25%

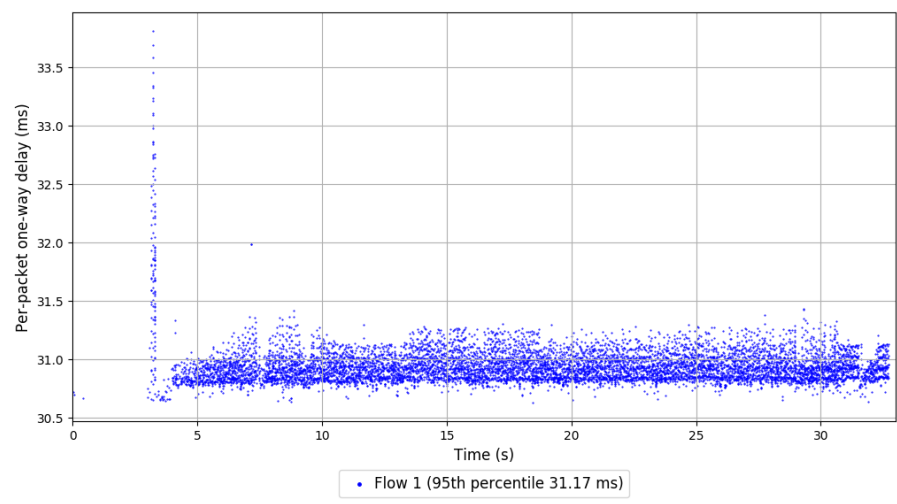
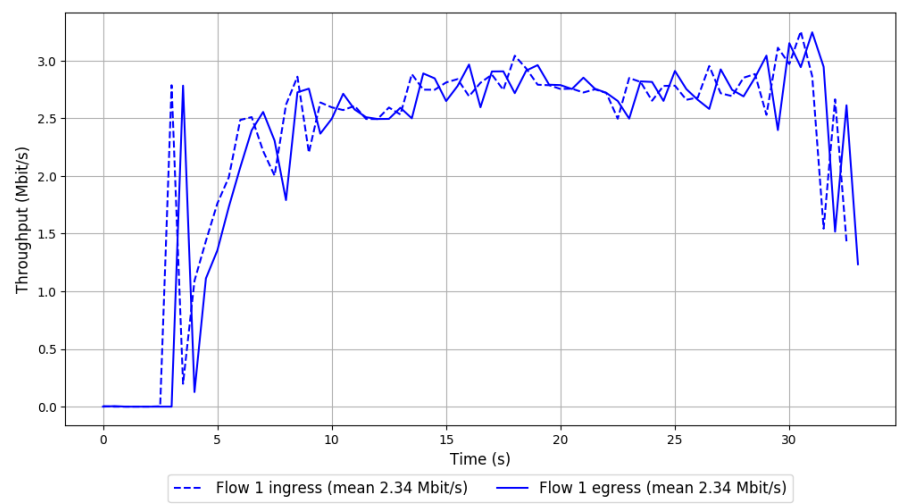
-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 31.166 ms

Loss rate: 0.25%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-25 02:47:35

End at: 2018-07-25 02:48:05

Local clock offset: 3.172 ms

Remote clock offset: 1.466 ms

Below is generated by plot.py at 2018-07-25 03:44:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 31.195 ms

Loss rate: 0.27%

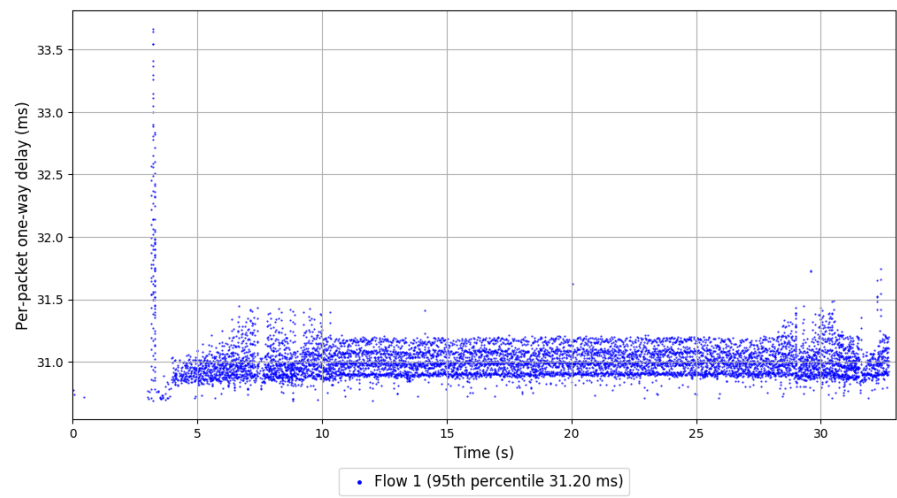
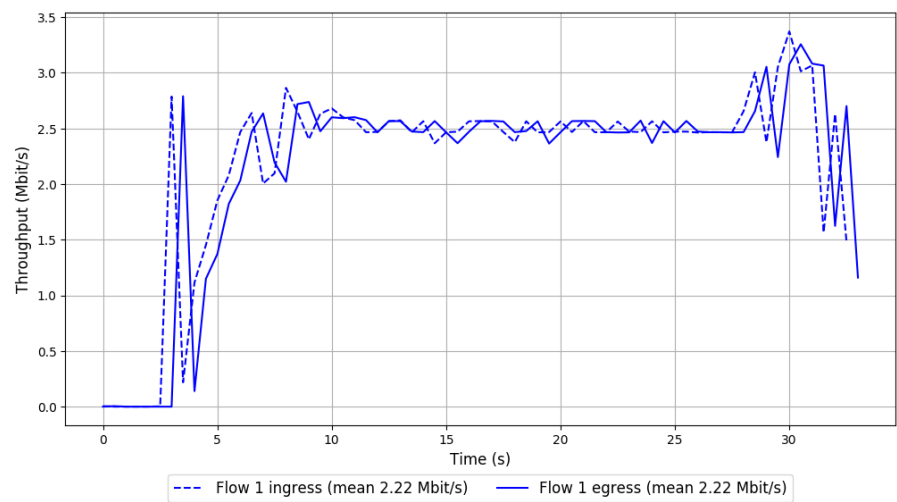
-- Flow 1:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 31.195 ms

Loss rate: 0.27%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-25 03:09:47

End at: 2018-07-25 03:10:17

Local clock offset: 0.868 ms

Remote clock offset: 1.237 ms

Below is generated by plot.py at 2018-07-25 03:44:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 31.370 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 31.370 ms

Loss rate: 0.26%

Run 10: Report of WebRTC media — Data Link

