

Pantheon Report

Generated at 2018-07-18 05:28:38 (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.

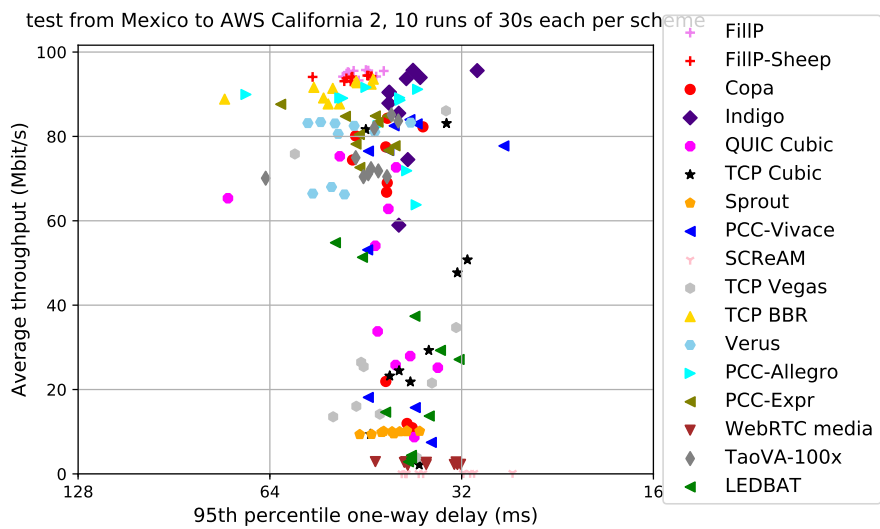
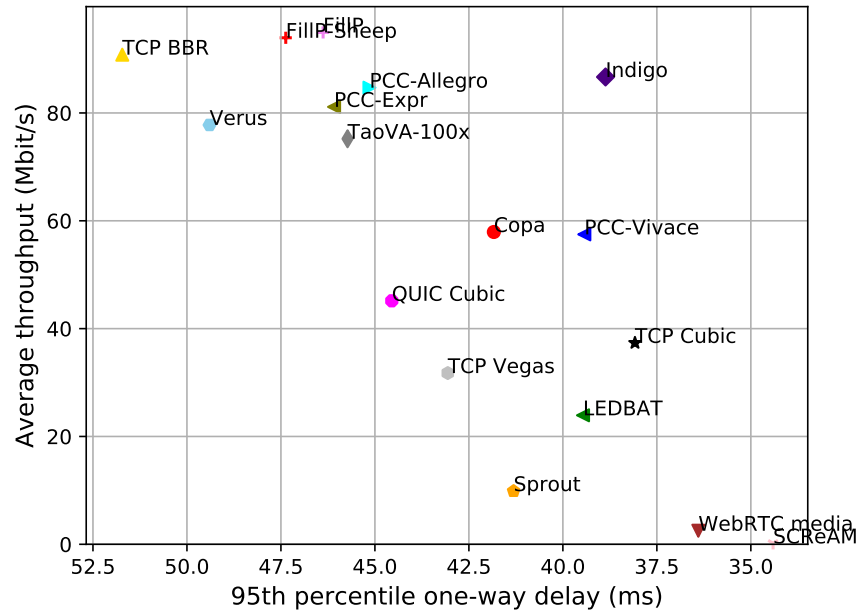
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-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	90.81	51.72	1.26
Copa	10	57.92	41.84	0.80
TCP Cubic	10	37.35	38.08	0.51
FillP	10	94.94	46.38	0.89
FillP-Sheep	10	93.94	47.37	0.74
Indigo	10	86.67	38.87	0.60
LEDBAT	10	23.92	39.46	0.94
PCC-Allegro	10	84.69	45.14	0.67
PCC-Expr	10	81.13	46.09	0.64
QUIC Cubic	10	45.16	44.55	0.55
SCReAM	10	0.17	34.41	0.67
Sprout	10	9.87	41.31	0.73
TaoVA-100x	10	75.21	45.73	0.81
TCP Vegas	10	31.76	43.06	0.43
Verus	10	77.78	49.40	1.01
PCC-Vivace	10	57.48	39.43	0.84
WebRTC media	10	2.51	36.40	0.60

Run 1: Statistics of TCP BBR

Start at: 2018-07-18 01:14:59

End at: 2018-07-18 01:15:29

Local clock offset: 0.583 ms

Remote clock offset: -8.571 ms

Below is generated by plot.py at 2018-07-18 05:12:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.04 Mbit/s

95th percentile per-packet one-way delay: 46.857 ms

Loss rate: 1.13%

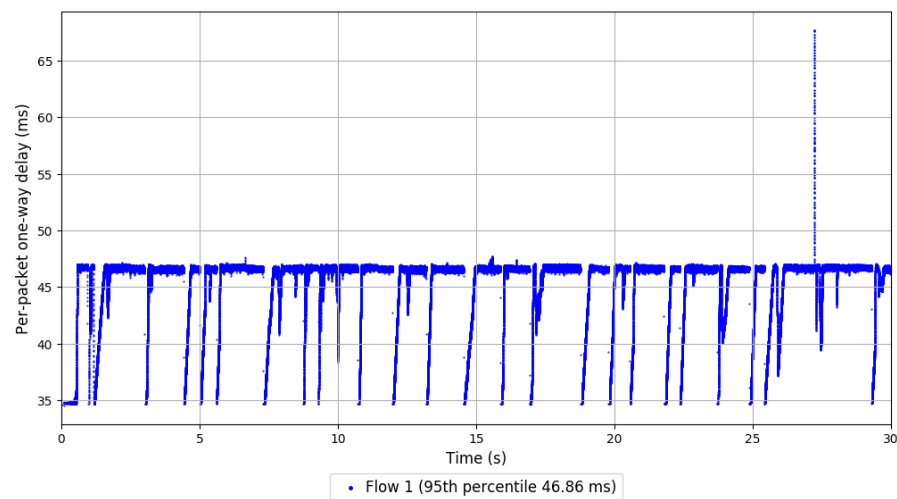
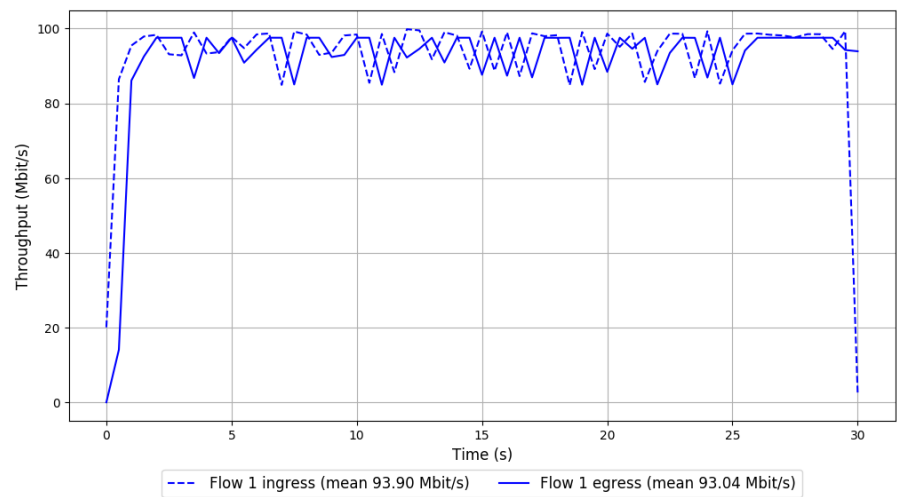
-- Flow 1:

Average throughput: 93.04 Mbit/s

95th percentile per-packet one-way delay: 46.857 ms

Loss rate: 1.13%

Run 1: Report of TCP BBR — Data Link

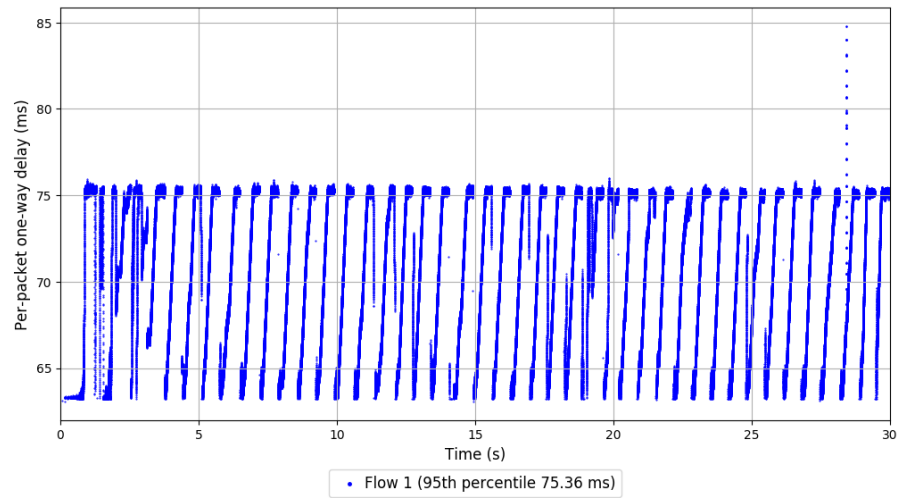
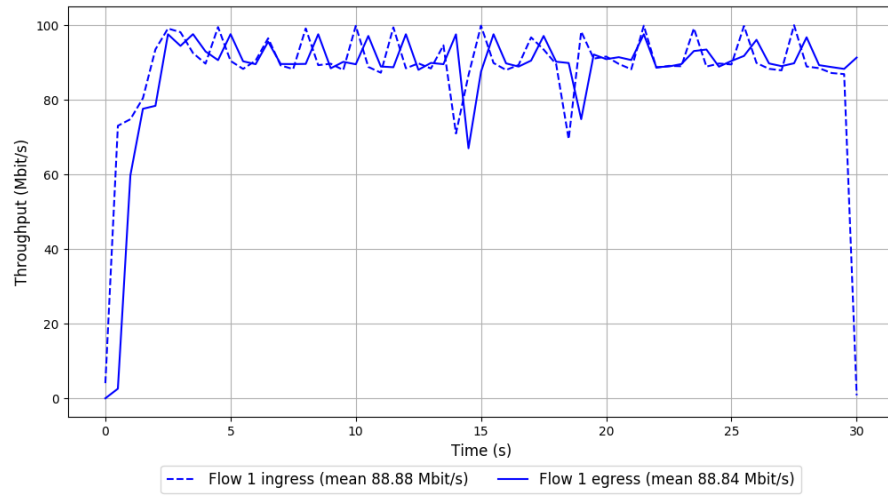


Run 2: Statistics of TCP BBR

Start at: 2018-07-18 01:37:15
End at: 2018-07-18 01:37:45
Local clock offset: 0.429 ms
Remote clock offset: -8.916 ms

Below is generated by plot.py at 2018-07-18 05:12:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.84 Mbit/s
95th percentile per-packet one-way delay: 75.364 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 88.84 Mbit/s
95th percentile per-packet one-way delay: 75.364 ms
Loss rate: 0.35%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-18 01:59:43

End at: 2018-07-18 02:00:13

Local clock offset: 0.781 ms

Remote clock offset: 2.128 ms

Below is generated by plot.py at 2018-07-18 05:12:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 44.385 ms

Loss rate: 1.24%

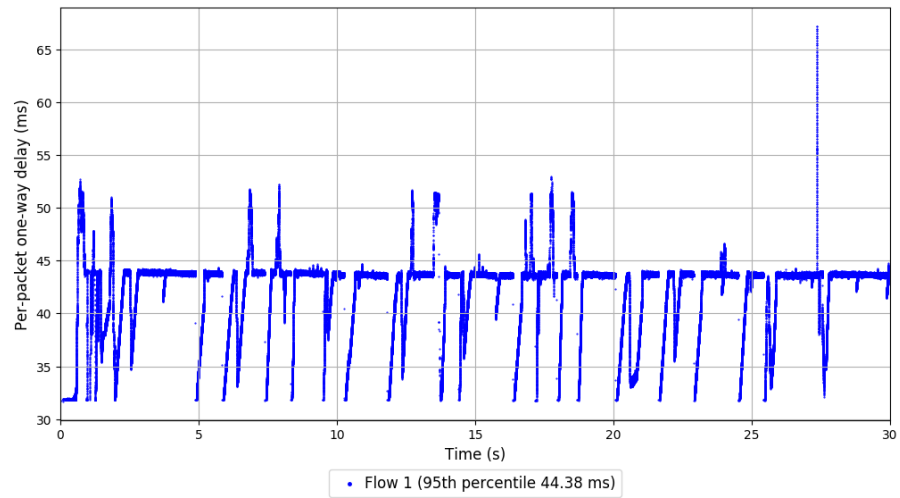
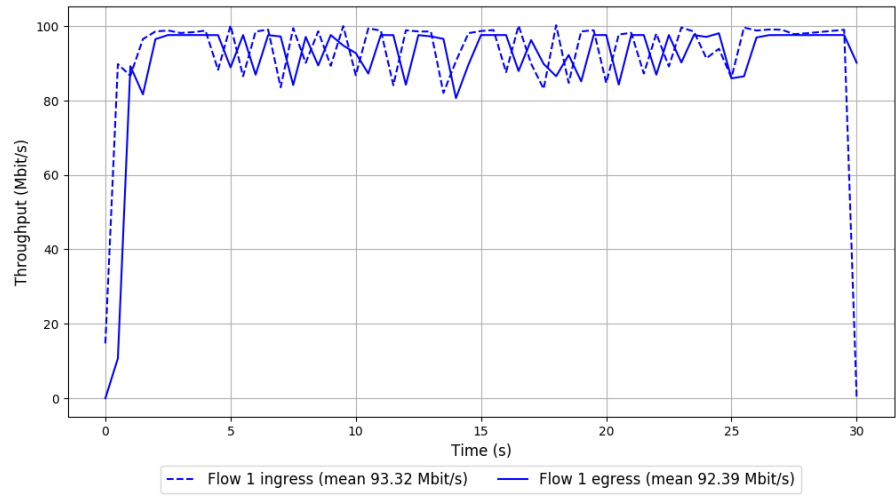
-- Flow 1:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 44.385 ms

Loss rate: 1.24%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-18 02:22:39

End at: 2018-07-18 02:23:09

Local clock offset: 0.869 ms

Remote clock offset: 1.893 ms

Below is generated by plot.py at 2018-07-18 05:12:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.58 Mbit/s

95th percentile per-packet one-way delay: 44.034 ms

Loss rate: 1.22%

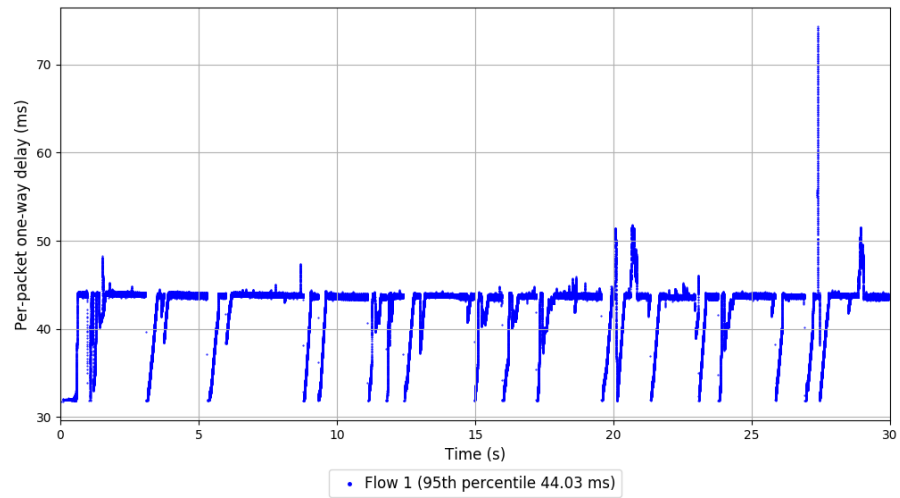
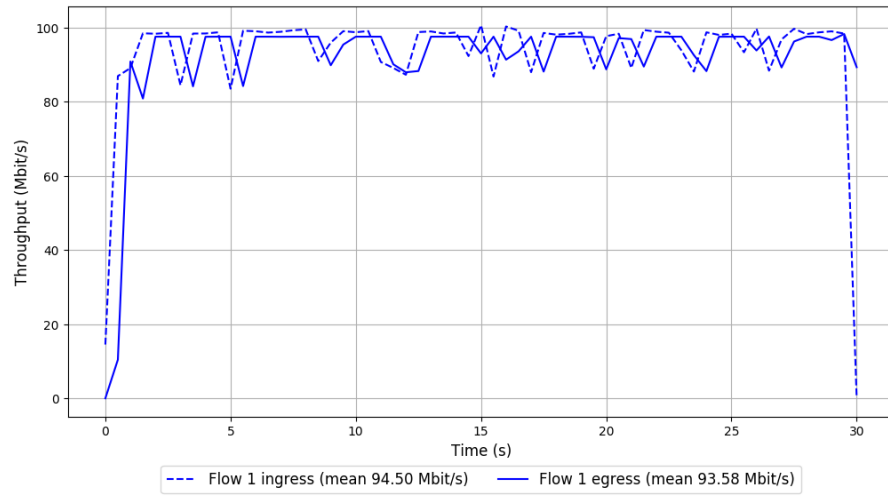
-- Flow 1:

Average throughput: 93.58 Mbit/s

95th percentile per-packet one-way delay: 44.034 ms

Loss rate: 1.22%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-18 02:46:25

End at: 2018-07-18 02:46:55

Local clock offset: 0.796 ms

Remote clock offset: 1.923 ms

Below is generated by plot.py at 2018-07-18 05:12:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.73 Mbit/s

95th percentile per-packet one-way delay: 46.673 ms

Loss rate: 1.14%

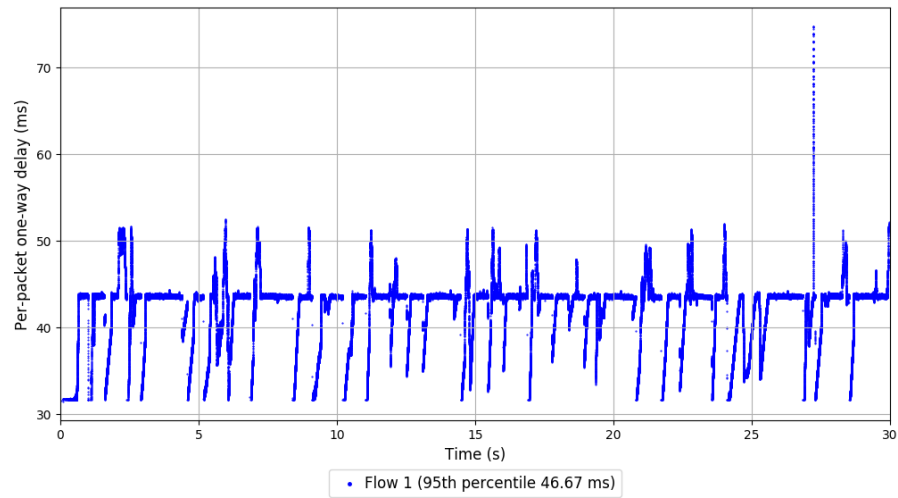
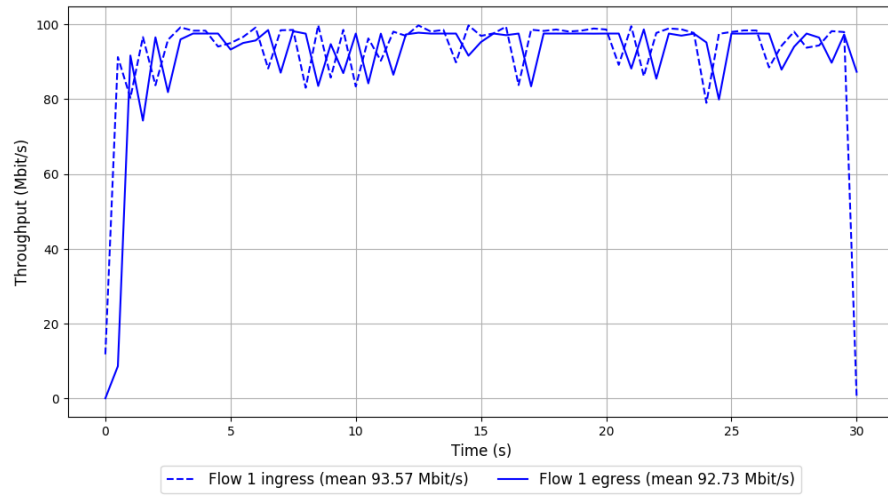
-- Flow 1:

Average throughput: 92.73 Mbit/s

95th percentile per-packet one-way delay: 46.673 ms

Loss rate: 1.14%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-18 03:10:59

End at: 2018-07-18 03:11:29

Local clock offset: 1.331 ms

Remote clock offset: -0.914 ms

Below is generated by plot.py at 2018-07-18 05:12:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.70 Mbit/s

95th percentile per-packet one-way delay: 51.841 ms

Loss rate: 1.93%

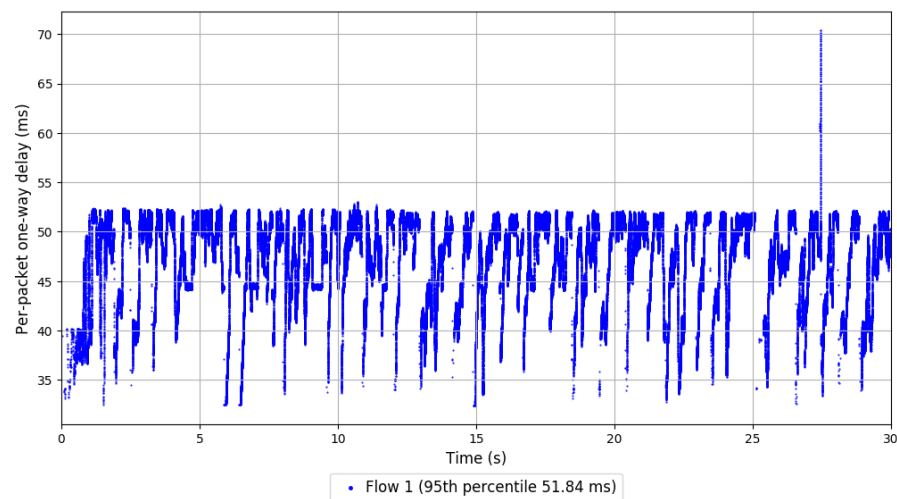
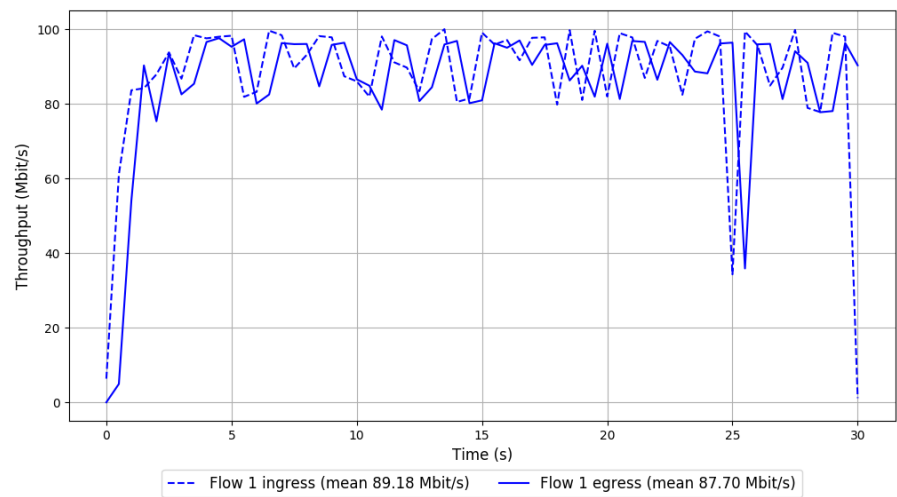
-- Flow 1:

Average throughput: 87.70 Mbit/s

95th percentile per-packet one-way delay: 51.841 ms

Loss rate: 1.93%

Run 6: Report of TCP BBR — Data Link

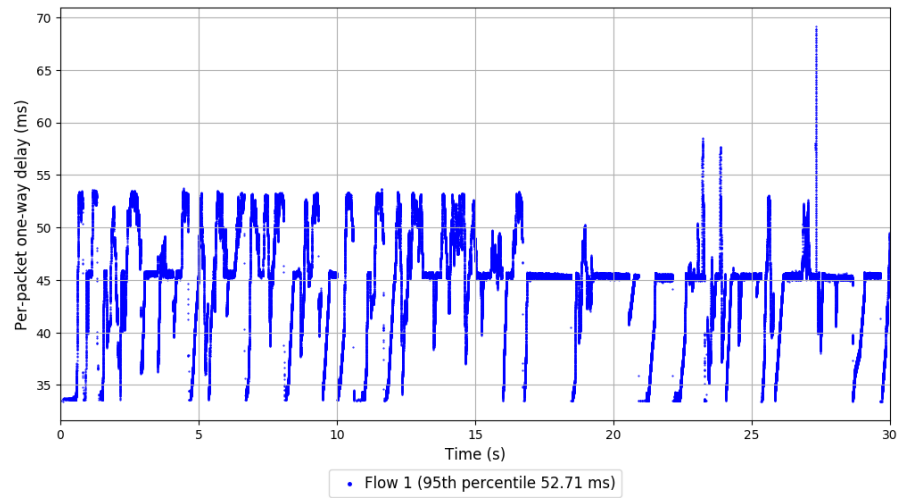
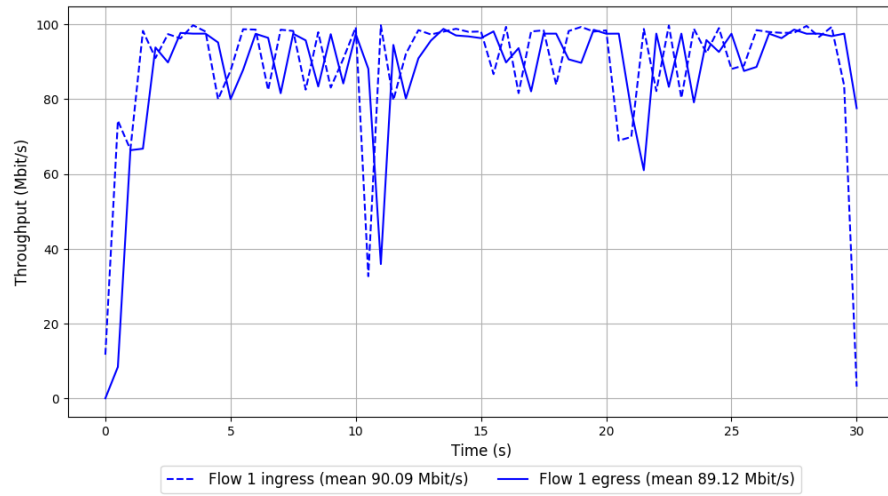


Run 7: Statistics of TCP BBR

Start at: 2018-07-18 03:37:33
End at: 2018-07-18 03:38:03
Local clock offset: 11.621 ms
Remote clock offset: -7.287 ms

Below is generated by plot.py at 2018-07-18 05:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 52.711 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 52.711 ms
Loss rate: 1.32%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-18 04:01:29

End at: 2018-07-18 04:01:59

Local clock offset: 12.208 ms

Remote clock offset: 2.487 ms

Below is generated by plot.py at 2018-07-18 05:12:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.71 Mbit/s

95th percentile per-packet one-way delay: 49.762 ms

Loss rate: 1.65%

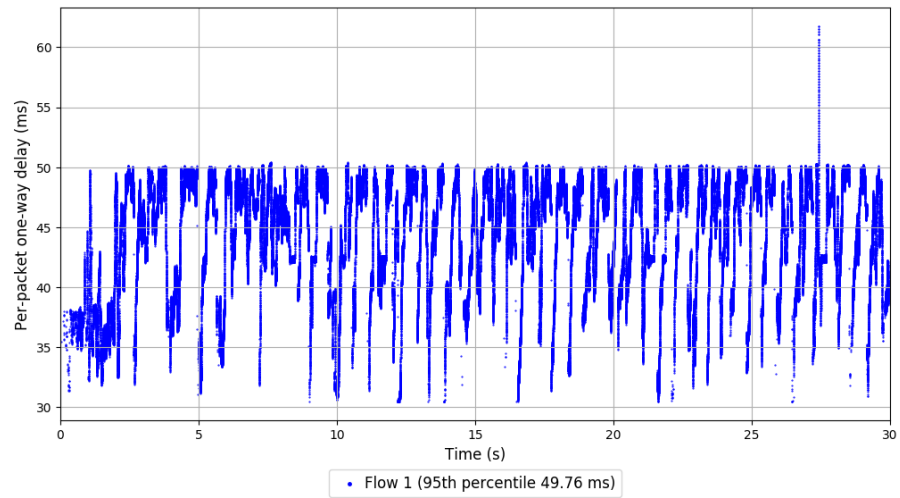
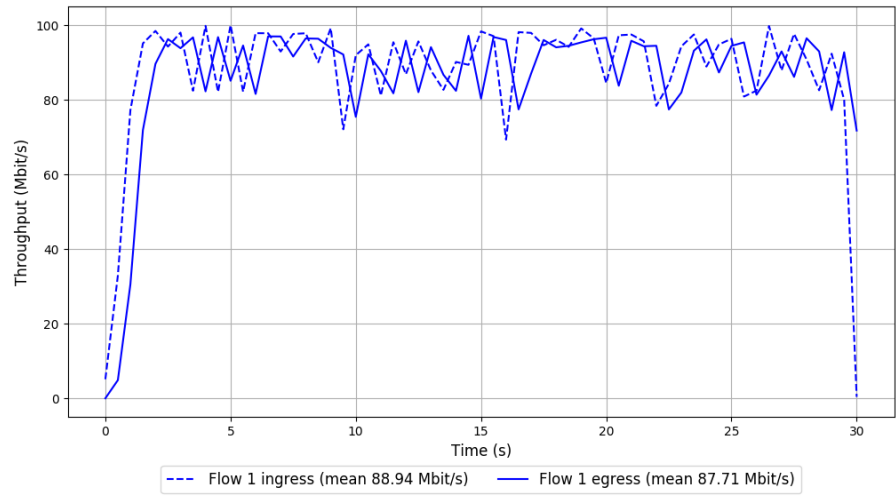
-- Flow 1:

Average throughput: 87.71 Mbit/s

95th percentile per-packet one-way delay: 49.762 ms

Loss rate: 1.65%

Run 8: Report of TCP BBR — Data Link

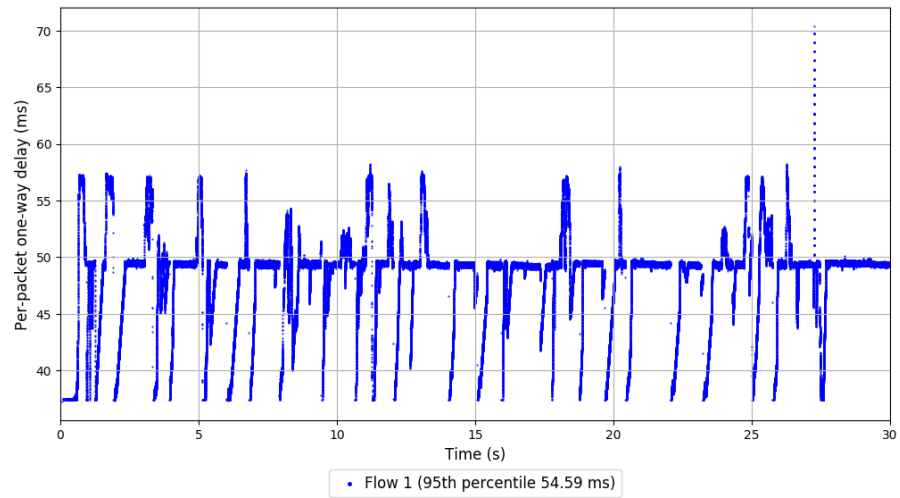
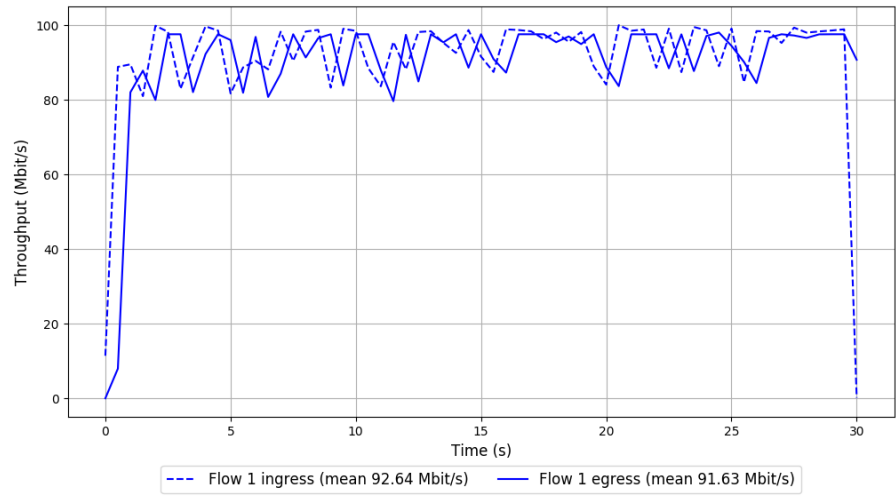


Run 9: Statistics of TCP BBR

Start at: 2018-07-18 04:27:52
End at: 2018-07-18 04:28:22
Local clock offset: 11.388 ms
Remote clock offset: -4.055 ms

Below is generated by plot.py at 2018-07-18 05:12:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: 54.594 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: 54.594 ms
Loss rate: 1.34%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-18 04:51:37

End at: 2018-07-18 04:52:07

Local clock offset: 6.609 ms

Remote clock offset: 1.413 ms

Below is generated by plot.py at 2018-07-18 05:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.40 Mbit/s

95th percentile per-packet one-way delay: 50.983 ms

Loss rate: 1.28%

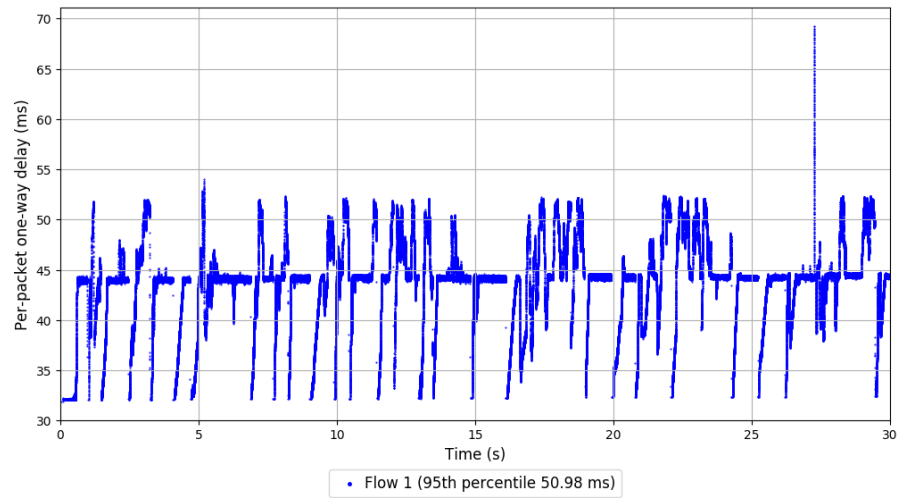
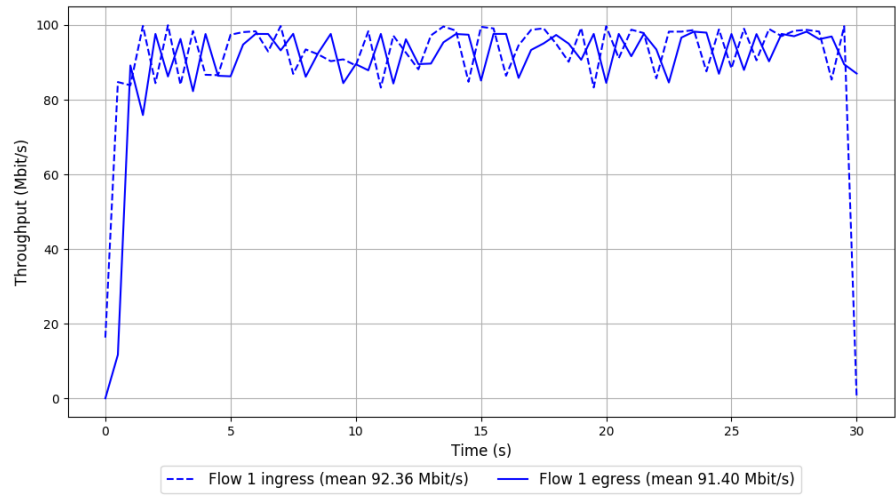
-- Flow 1:

Average throughput: 91.40 Mbit/s

95th percentile per-packet one-way delay: 50.983 ms

Loss rate: 1.28%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-18 01:29:28

End at: 2018-07-18 01:29:58

Local clock offset: 0.447 ms

Remote clock offset: -0.83 ms

Below is generated by plot.py at 2018-07-18 05:13:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.27 Mbit/s

95th percentile per-packet one-way delay: 36.805 ms

Loss rate: 0.20%

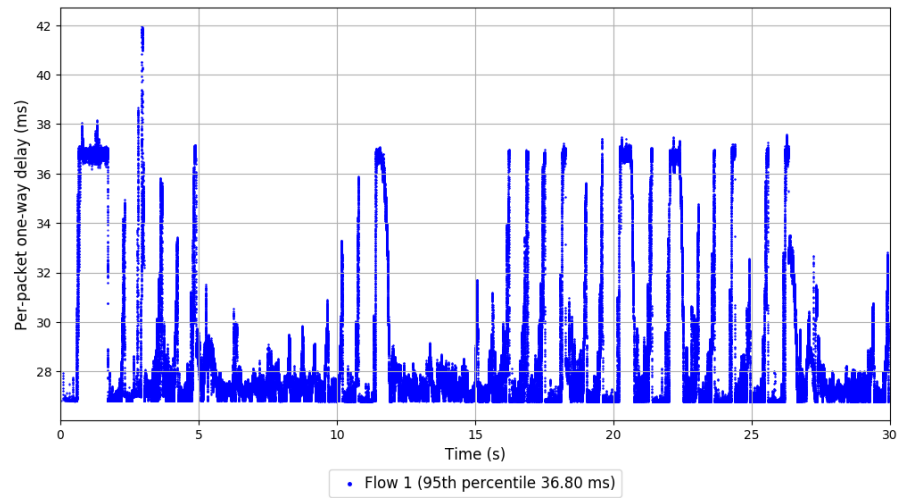
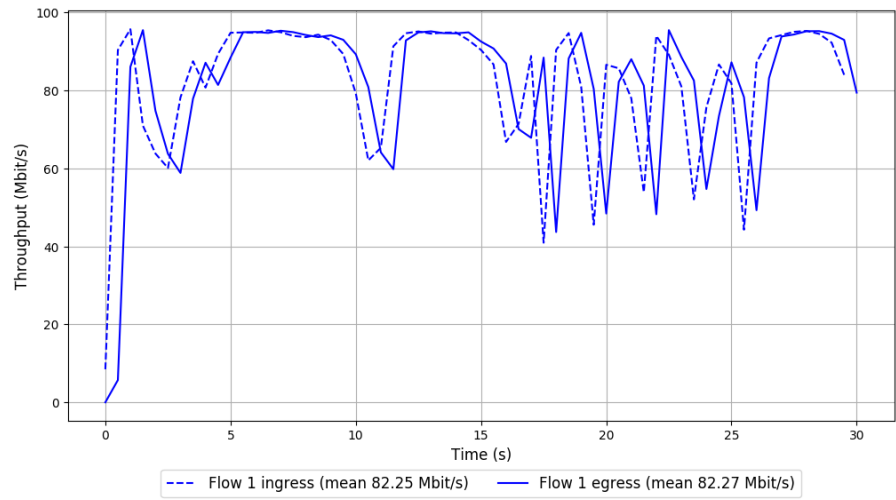
-- Flow 1:

Average throughput: 82.27 Mbit/s

95th percentile per-packet one-way delay: 36.805 ms

Loss rate: 0.20%

Run 1: Report of Copa — Data Link

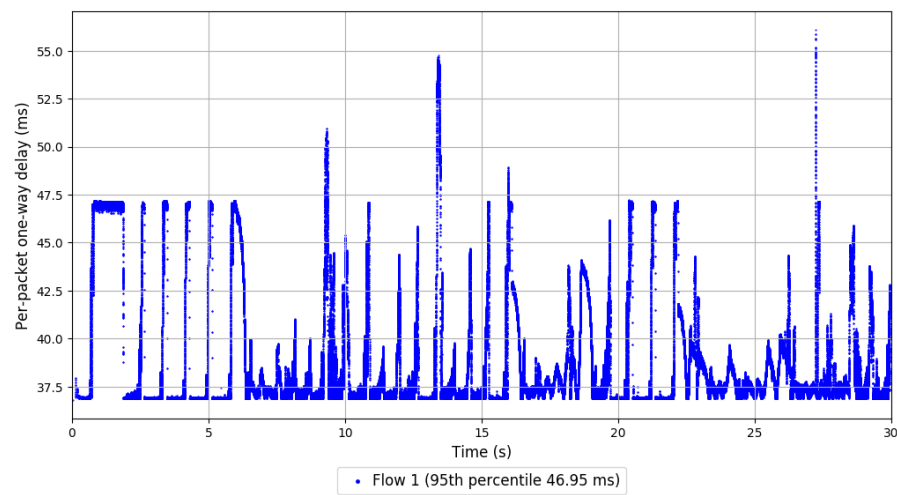
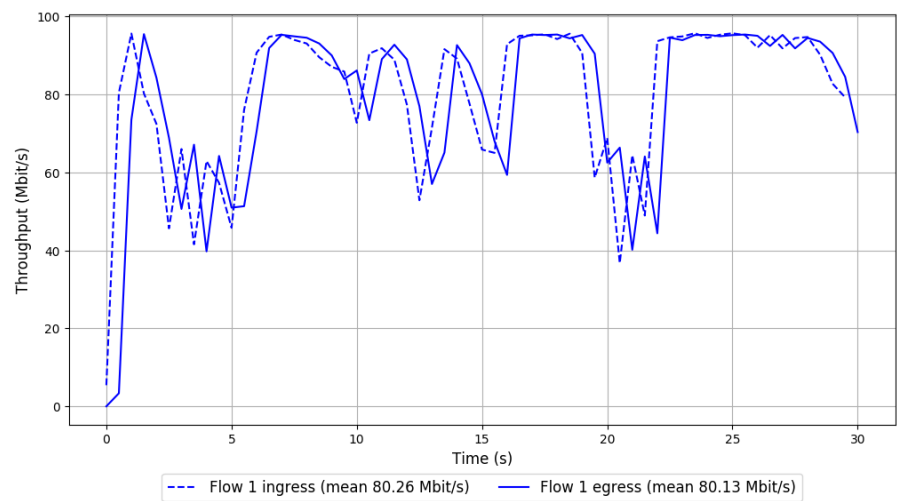


Run 2: Statistics of Copa

Start at: 2018-07-18 01:51:44
End at: 2018-07-18 01:52:14
Local clock offset: 0.632 ms
Remote clock offset: -3.017 ms

Below is generated by plot.py at 2018-07-18 05:13:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.13 Mbit/s
95th percentile per-packet one-way delay: 46.954 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 80.13 Mbit/s
95th percentile per-packet one-way delay: 46.954 ms
Loss rate: 0.41%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-18 02:14:34

End at: 2018-07-18 02:15:04

Local clock offset: 0.843 ms

Remote clock offset: 1.828 ms

Below is generated by plot.py at 2018-07-18 05:13:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.30 Mbit/s

95th percentile per-packet one-way delay: 41.850 ms

Loss rate: 0.38%

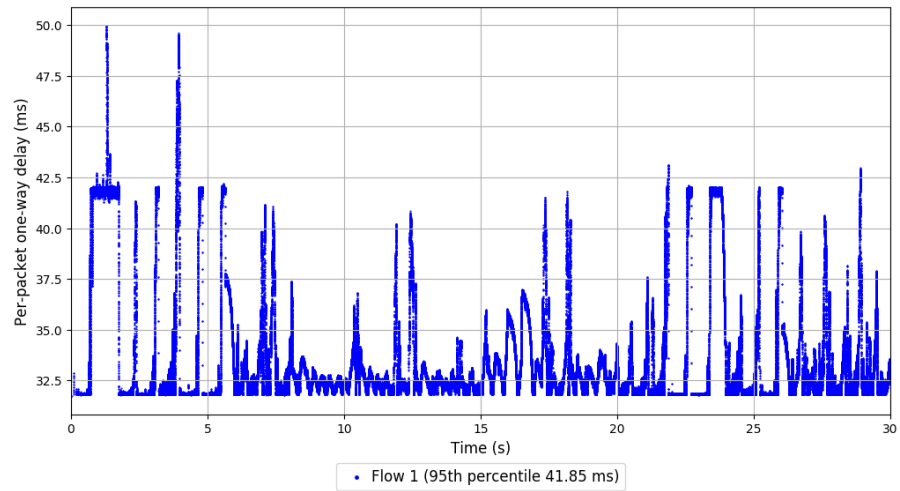
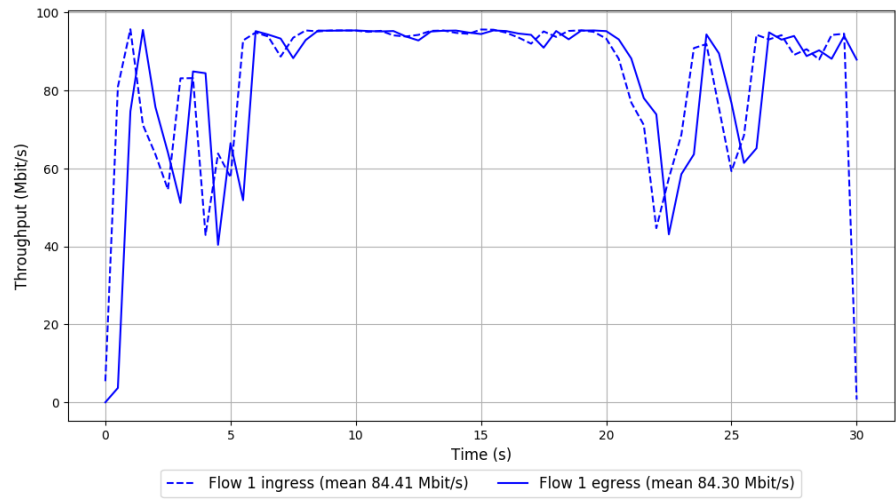
-- Flow 1:

Average throughput: 84.30 Mbit/s

95th percentile per-packet one-way delay: 41.850 ms

Loss rate: 0.38%

Run 3: Report of Copa — Data Link

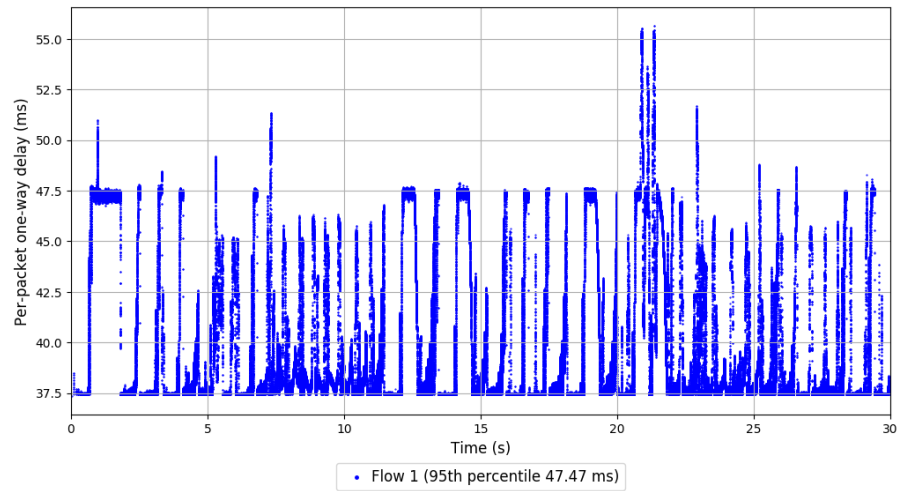
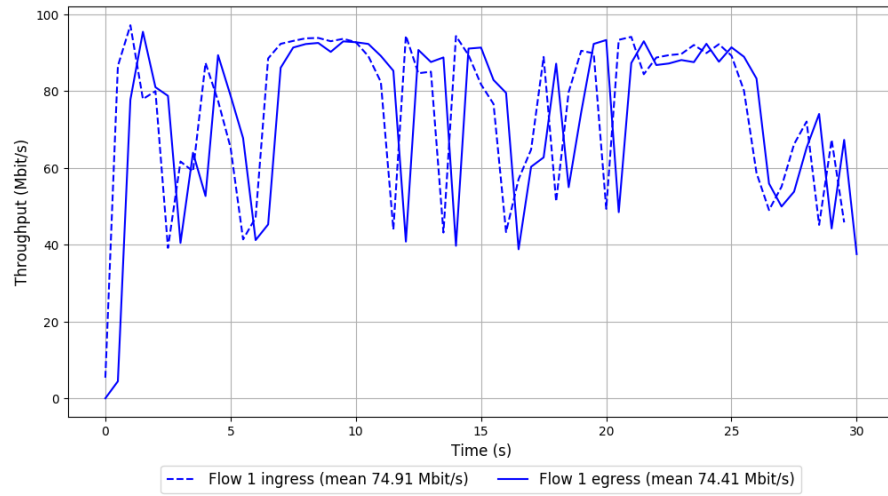


Run 4: Statistics of Copa

Start at: 2018-07-18 02:38:11
End at: 2018-07-18 02:38:41
Local clock offset: 0.881 ms
Remote clock offset: -3.674 ms

Below is generated by plot.py at 2018-07-18 05:13:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.41 Mbit/s
95th percentile per-packet one-way delay: 47.471 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 74.41 Mbit/s
95th percentile per-packet one-way delay: 47.471 ms
Loss rate: 0.89%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-18 03:01:52

End at: 2018-07-18 03:02:22

Local clock offset: 1.149 ms

Remote clock offset: 1.926 ms

Below is generated by plot.py at 2018-07-18 05:13:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 38.980 ms

Loss rate: 1.27%

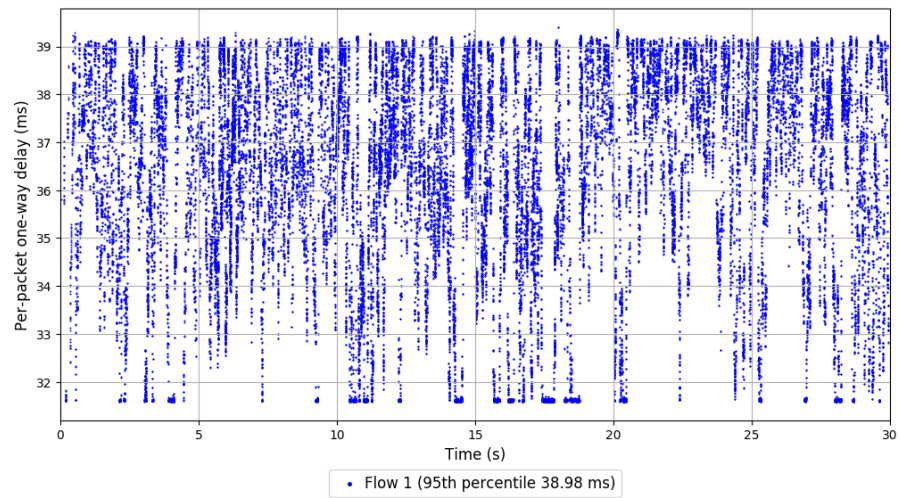
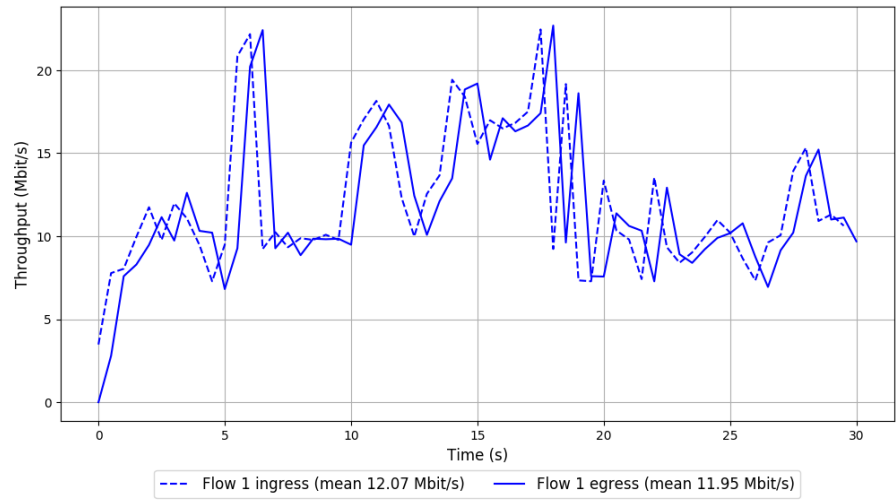
-- Flow 1:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 38.980 ms

Loss rate: 1.27%

Run 5: Report of Copa — Data Link

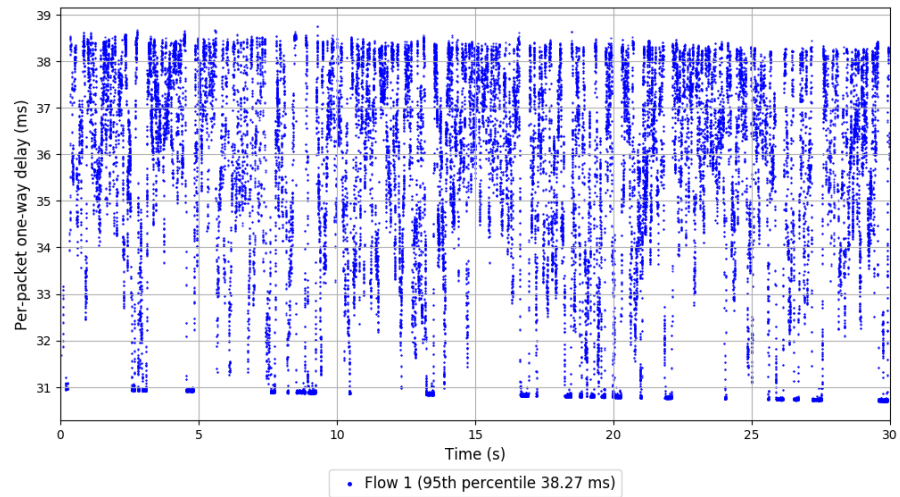
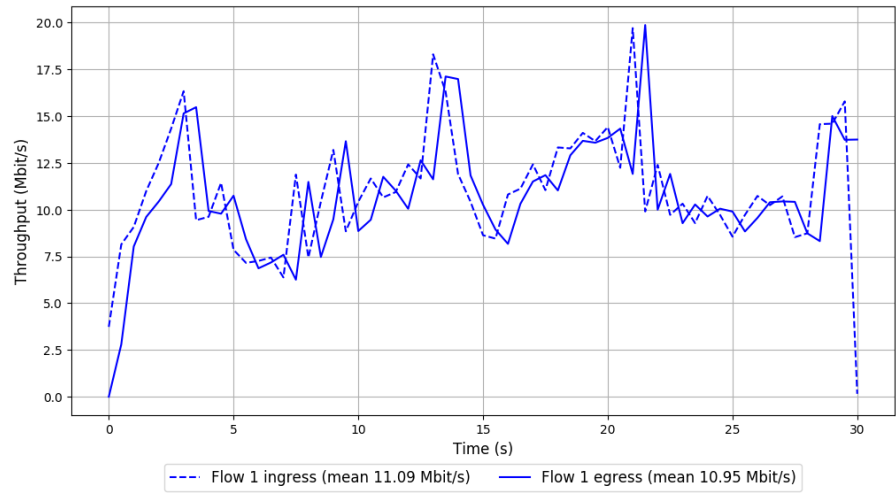


Run 6: Statistics of Copa

Start at: 2018-07-18 03:28:38
End at: 2018-07-18 03:29:08
Local clock offset: 9.025 ms
Remote clock offset: -3.512 ms

Below is generated by plot.py at 2018-07-18 05:13:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.95 Mbit/s
95th percentile per-packet one-way delay: 38.265 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 10.95 Mbit/s
95th percentile per-packet one-way delay: 38.265 ms
Loss rate: 1.55%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-18 03:53:11

End at: 2018-07-18 03:53:41

Local clock offset: 12.509 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-18 05:13:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.51 Mbit/s

95th percentile per-packet one-way delay: 42.097 ms

Loss rate: 0.83%

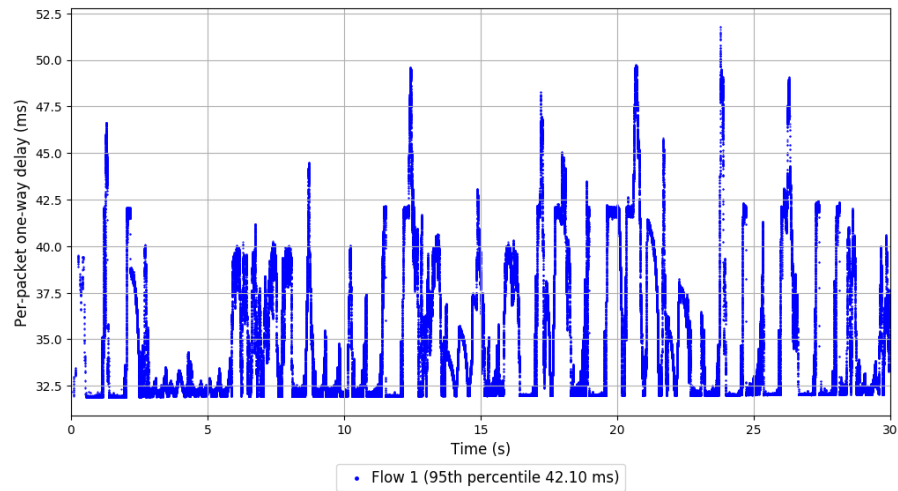
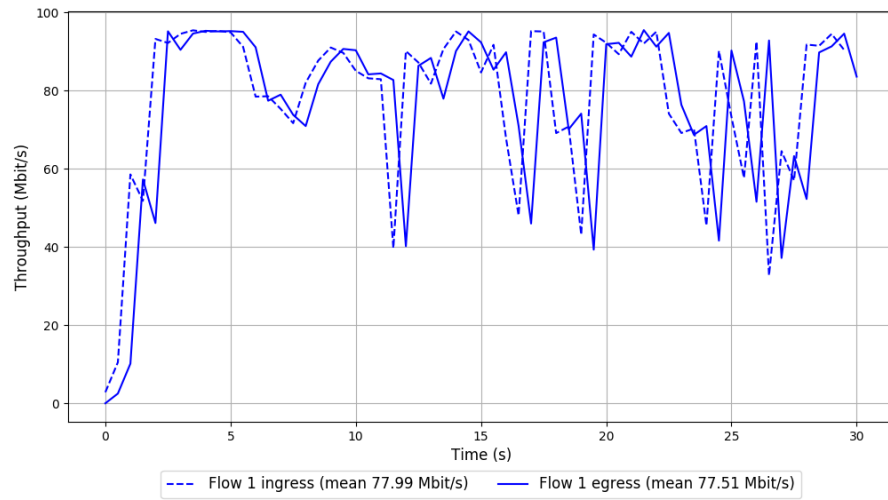
-- Flow 1:

Average throughput: 77.51 Mbit/s

95th percentile per-packet one-way delay: 42.097 ms

Loss rate: 0.83%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-18 04:19:35

End at: 2018-07-18 04:20:05

Local clock offset: 12.516 ms

Remote clock offset: 1.646 ms

Below is generated by plot.py at 2018-07-18 05:13:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.78 Mbit/s

95th percentile per-packet one-way delay: 41.975 ms

Loss rate: 0.91%

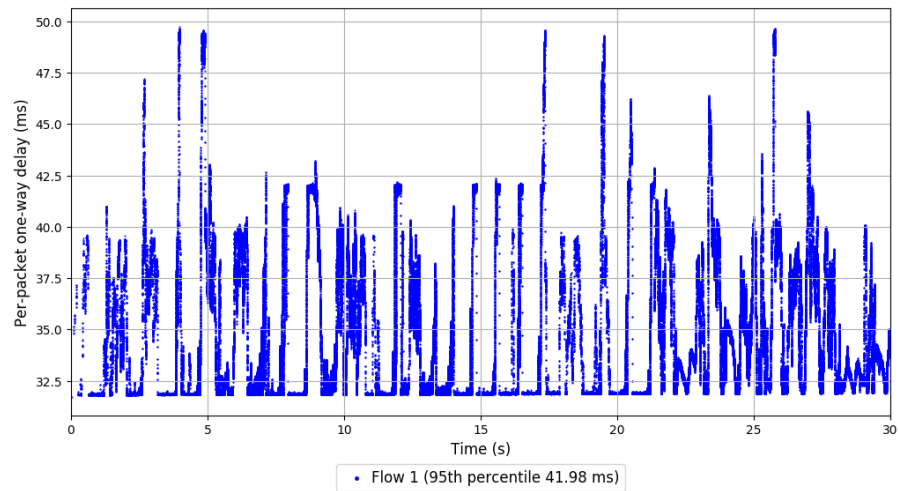
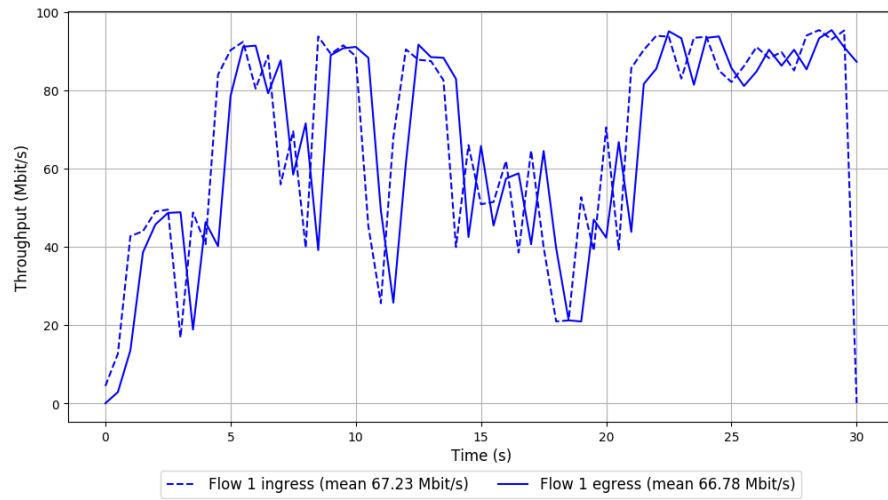
-- Flow 1:

Average throughput: 66.78 Mbit/s

95th percentile per-packet one-way delay: 41.975 ms

Loss rate: 0.91%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-18 04:43:28

End at: 2018-07-18 04:43:58

Local clock offset: 11.317 ms

Remote clock offset: 1.485 ms

Below is generated by plot.py at 2018-07-18 05:14:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.01 Mbit/s

95th percentile per-packet one-way delay: 41.873 ms

Loss rate: 0.70%

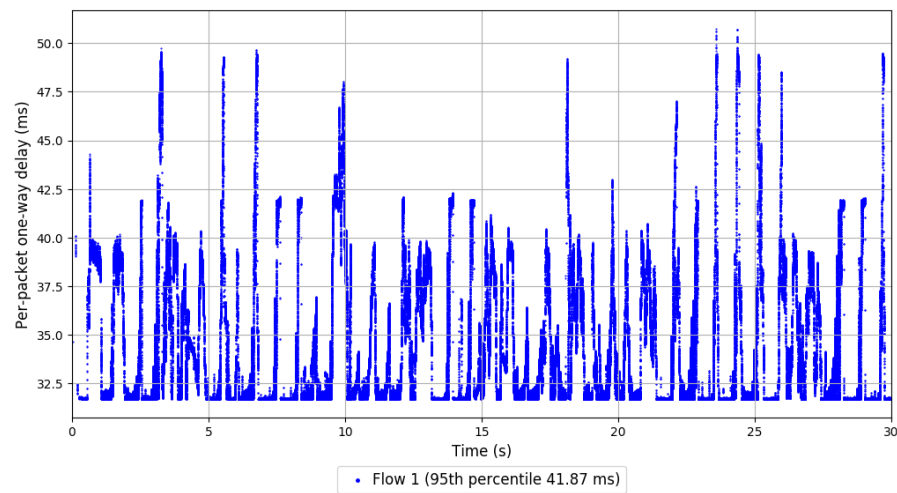
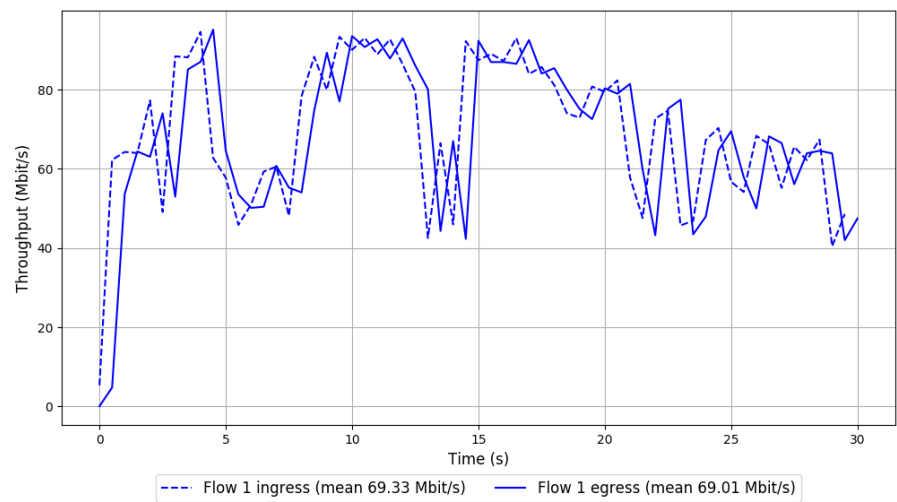
-- Flow 1:

Average throughput: 69.01 Mbit/s

95th percentile per-packet one-way delay: 41.873 ms

Loss rate: 0.70%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-18 05:07:36

End at: 2018-07-18 05:08:06

Local clock offset: -0.506 ms

Remote clock offset: 2.371 ms

Below is generated by plot.py at 2018-07-18 05:14:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.91 Mbit/s

95th percentile per-packet one-way delay: 42.093 ms

Loss rate: 0.84%

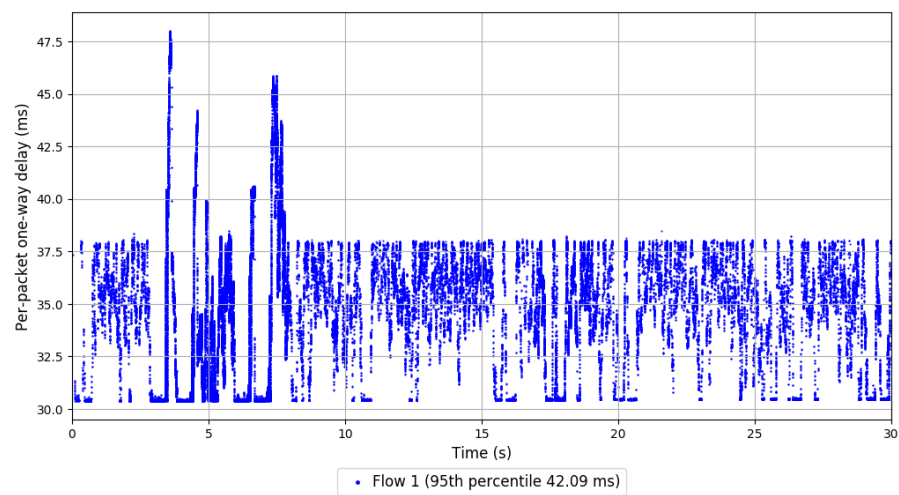
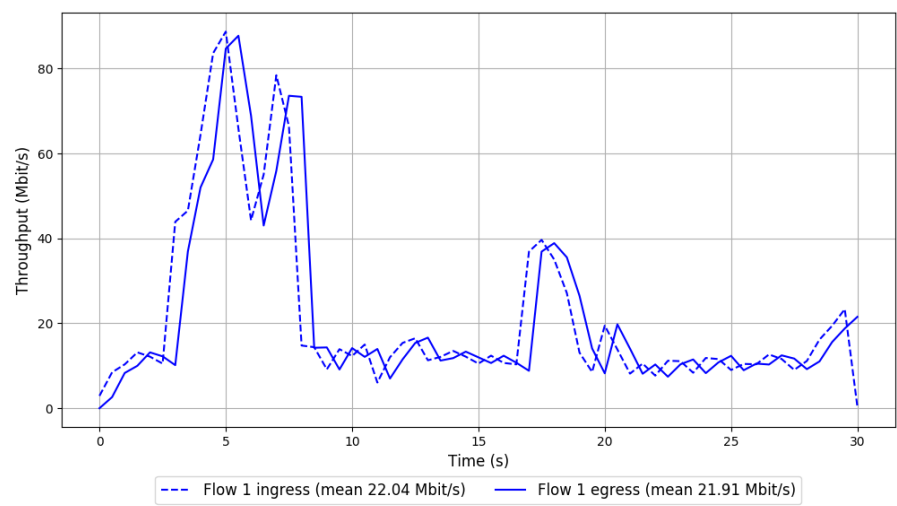
-- Flow 1:

Average throughput: 21.91 Mbit/s

95th percentile per-packet one-way delay: 42.093 ms

Loss rate: 0.84%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-18 01:12:24

End at: 2018-07-18 01:12:54

Local clock offset: 0.52 ms

Remote clock offset: -0.827 ms

Below is generated by plot.py at 2018-07-18 05:14:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.08 Mbit/s

95th percentile per-packet one-way delay: 33.799 ms

Loss rate: 0.26%

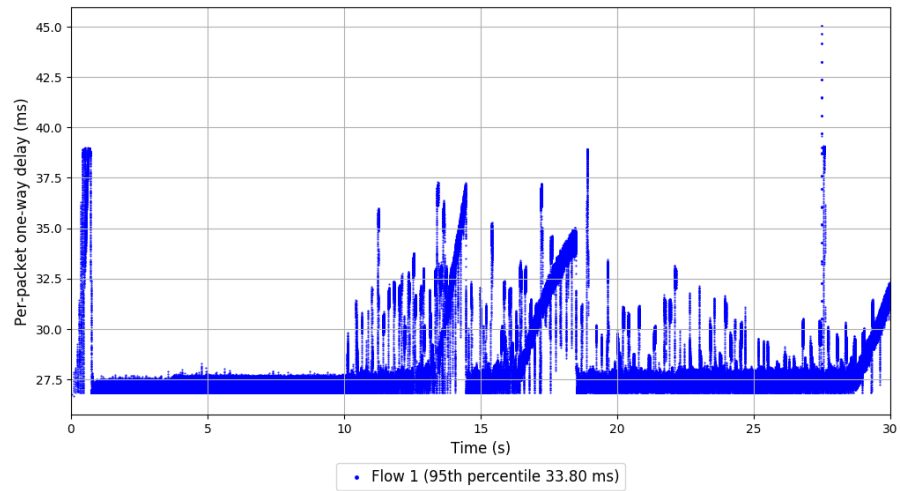
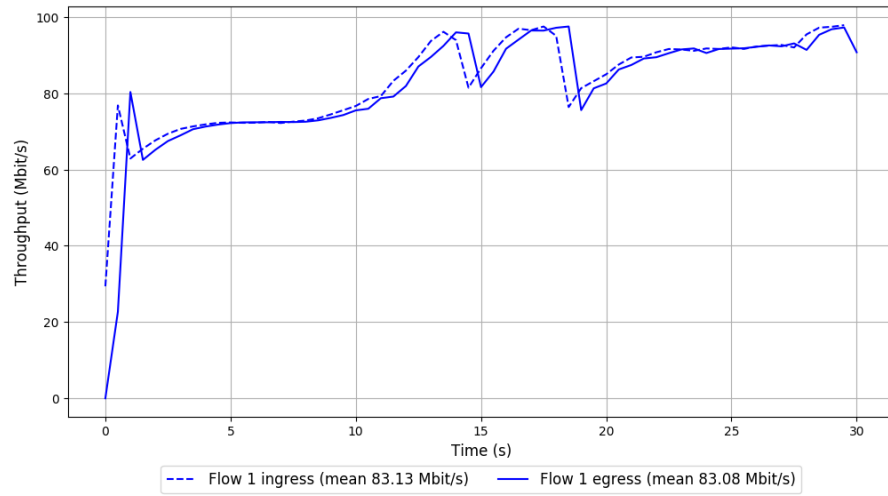
-- Flow 1:

Average throughput: 83.08 Mbit/s

95th percentile per-packet one-way delay: 33.799 ms

Loss rate: 0.26%

Run 1: Report of TCP Cubic — Data Link

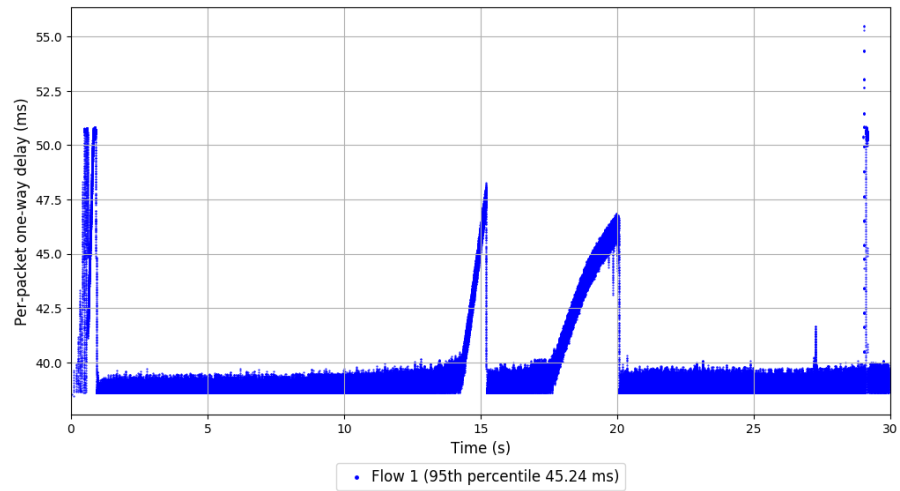
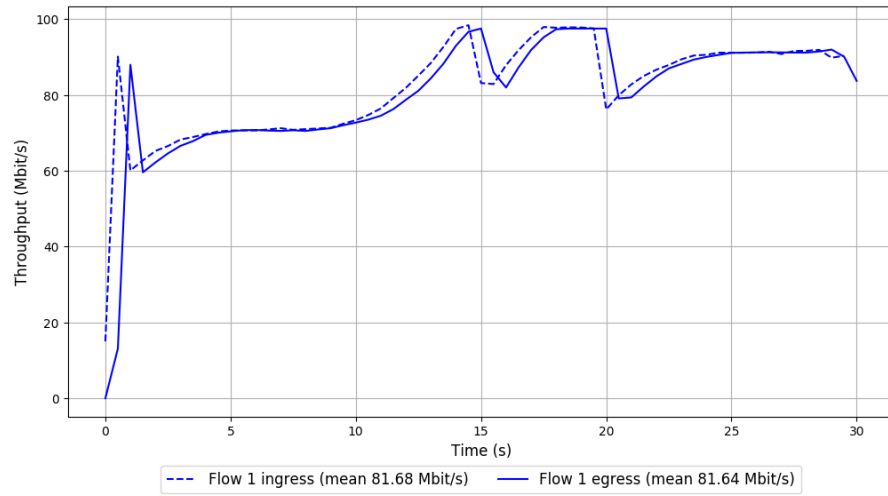


Run 2: Statistics of TCP Cubic

Start at: 2018-07-18 01:34:41
End at: 2018-07-18 01:35:11
Local clock offset: 0.434 ms
Remote clock offset: -2.744 ms

Below is generated by plot.py at 2018-07-18 05:14:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.64 Mbit/s
95th percentile per-packet one-way delay: 45.237 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 81.64 Mbit/s
95th percentile per-packet one-way delay: 45.237 ms
Loss rate: 0.28%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-18 01:57:07

End at: 2018-07-18 01:57:37

Local clock offset: 0.664 ms

Remote clock offset: 2.179 ms

Below is generated by plot.py at 2018-07-18 05:14:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.69 Mbit/s

95th percentile per-packet one-way delay: 32.493 ms

Loss rate: 0.40%

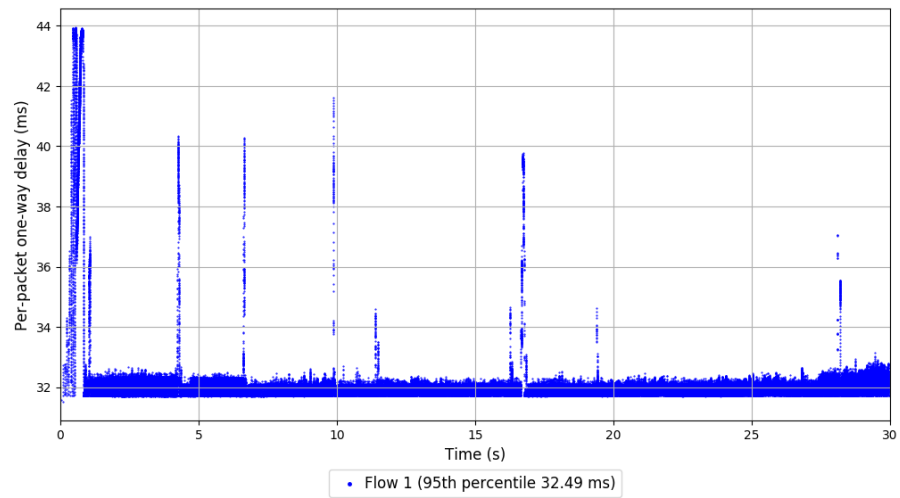
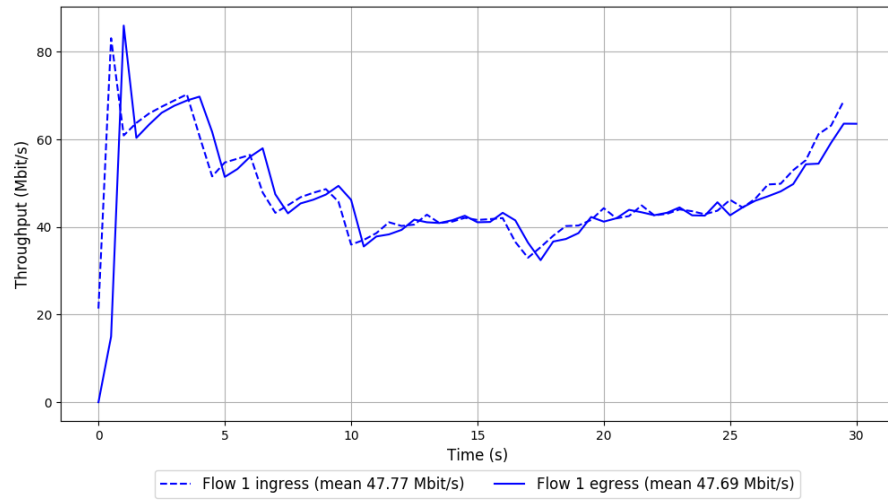
-- Flow 1:

Average throughput: 47.69 Mbit/s

95th percentile per-packet one-way delay: 32.493 ms

Loss rate: 0.40%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-18 02:20:02

End at: 2018-07-18 02:20:32

Local clock offset: 0.751 ms

Remote clock offset: 3.155 ms

Below is generated by plot.py at 2018-07-18 05:14:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.76 Mbit/s

95th percentile per-packet one-way delay: 31.338 ms

Loss rate: 0.42%

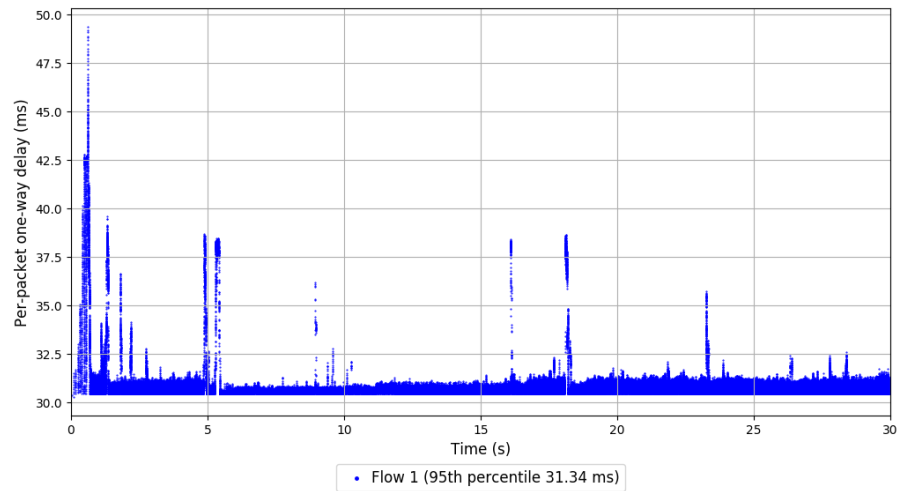
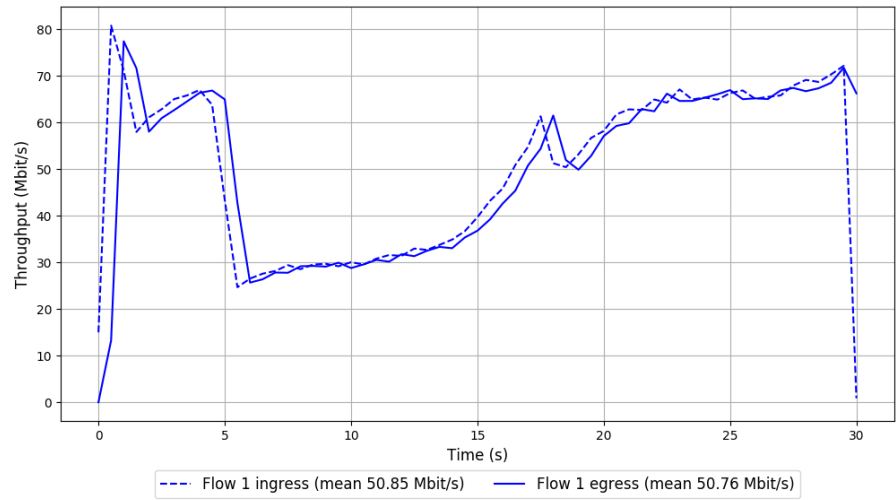
-- Flow 1:

Average throughput: 50.76 Mbit/s

95th percentile per-packet one-way delay: 31.338 ms

Loss rate: 0.42%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-18 02:43:51

End at: 2018-07-18 02:44:21

Local clock offset: 0.868 ms

Remote clock offset: 1.825 ms

Below is generated by plot.py at 2018-07-18 05:14:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.29 Mbit/s

95th percentile per-packet one-way delay: 36.038 ms

Loss rate: 0.50%

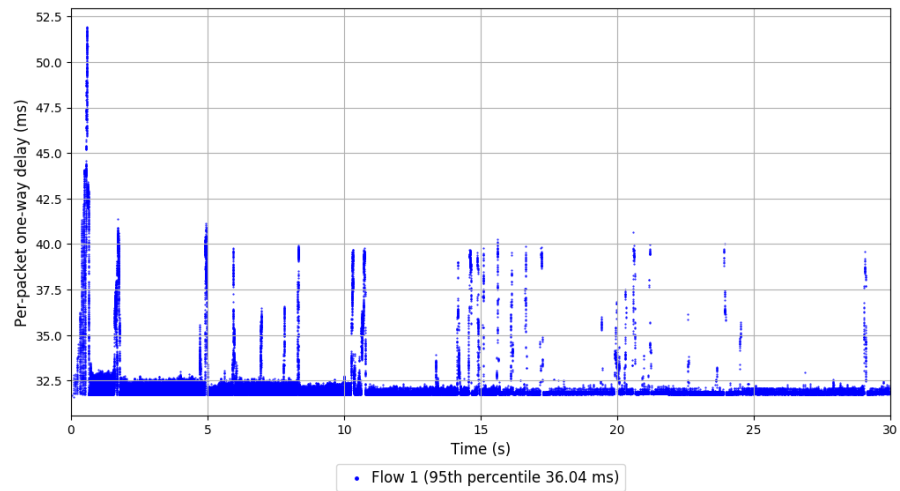
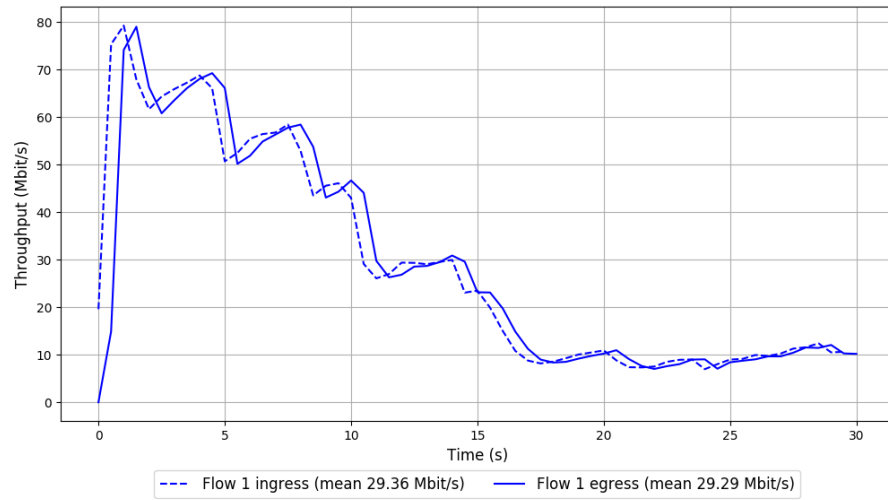
-- Flow 1:

Average throughput: 29.29 Mbit/s

95th percentile per-packet one-way delay: 36.038 ms

Loss rate: 0.50%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-18 03:08:18

End at: 2018-07-18 03:08:48

Local clock offset: 1.318 ms

Remote clock offset: 2.941 ms

Below is generated by plot.py at 2018-07-18 05:14:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 37.306 ms

Loss rate: 1.52%

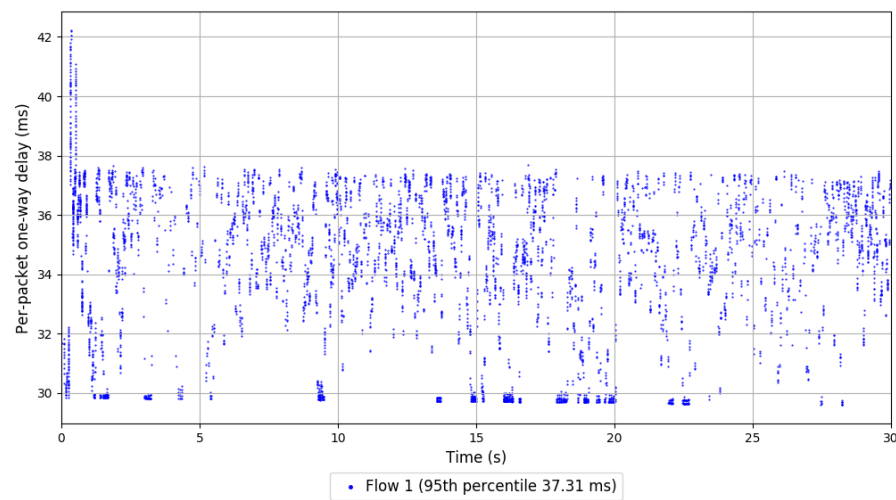
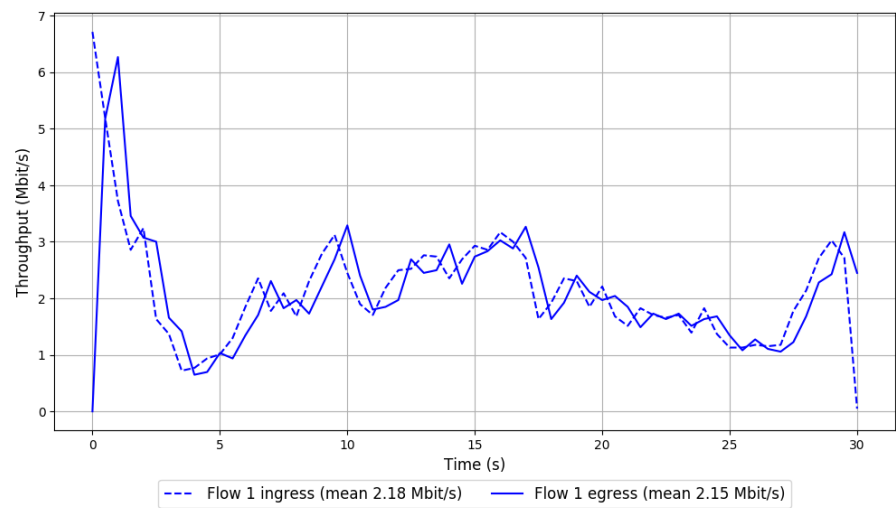
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 37.306 ms

Loss rate: 1.52%

Run 6: Report of TCP Cubic — Data Link

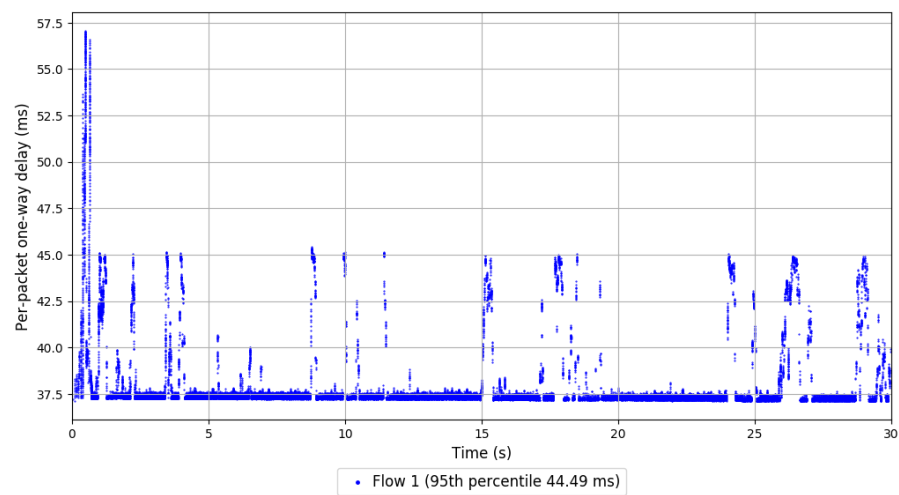
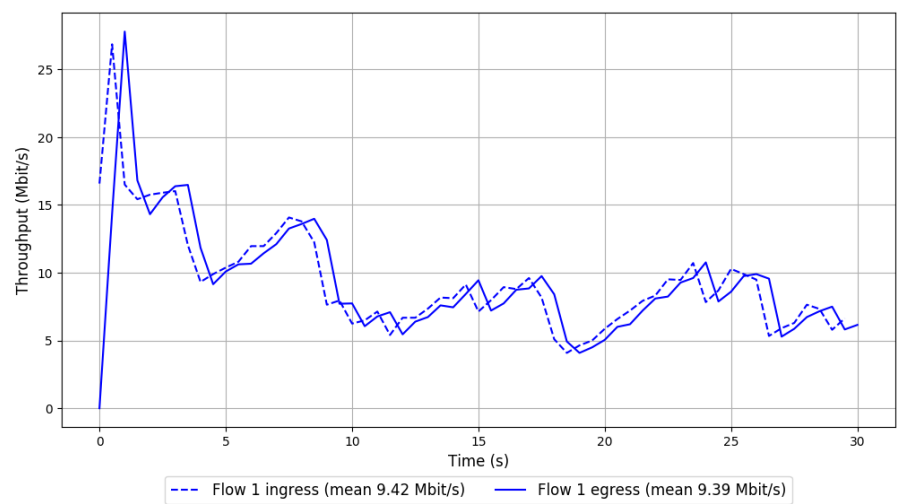


Run 7: Statistics of TCP Cubic

Start at: 2018-07-18 03:34:59
End at: 2018-07-18 03:35:29
Local clock offset: 11.03 ms
Remote clock offset: -10.553 ms

Below is generated by plot.py at 2018-07-18 05:14:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 44.488 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 44.488 ms
Loss rate: 0.54%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-18 03:58:53

End at: 2018-07-18 03:59:23

Local clock offset: 12.257 ms

Remote clock offset: 0.982 ms

Below is generated by plot.py at 2018-07-18 05:14:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.82 Mbit/s

95th percentile per-packet one-way delay: 38.509 ms

Loss rate: 0.46%

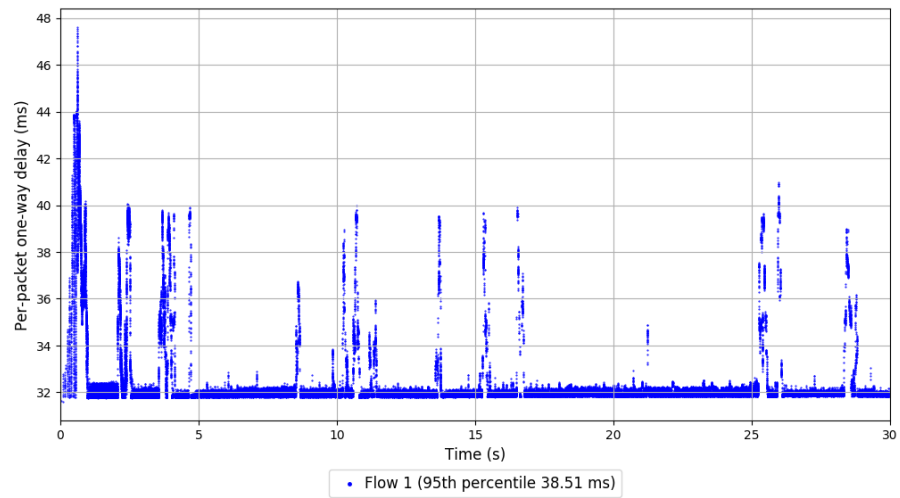
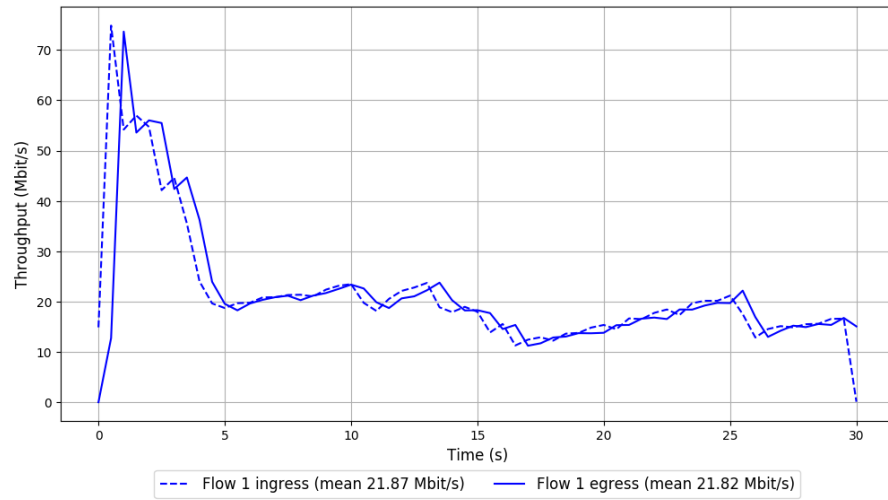
-- Flow 1:

Average throughput: 21.82 Mbit/s

95th percentile per-packet one-way delay: 38.509 ms

Loss rate: 0.46%

Run 8: Report of TCP Cubic — Data Link

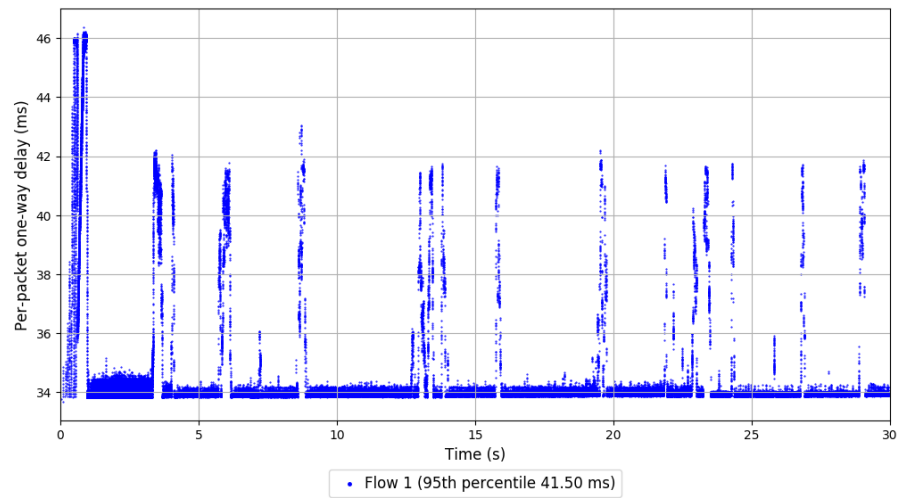
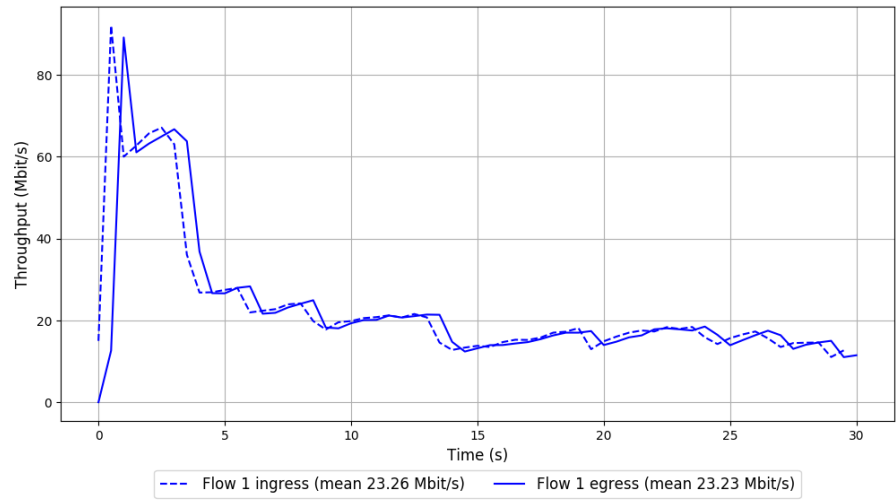


Run 9: Statistics of TCP Cubic

Start at: 2018-07-18 04:25:17
End at: 2018-07-18 04:25:47
Local clock offset: 11.625 ms
Remote clock offset: -0.467 ms

Below is generated by plot.py at 2018-07-18 05:14:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 41.502 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 41.502 ms
Loss rate: 0.36%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-18 04:49:03

End at: 2018-07-18 04:49:33

Local clock offset: 9.321 ms

Remote clock offset: 1.522 ms

Below is generated by plot.py at 2018-07-18 05:14:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 40.118 ms

Loss rate: 0.33%

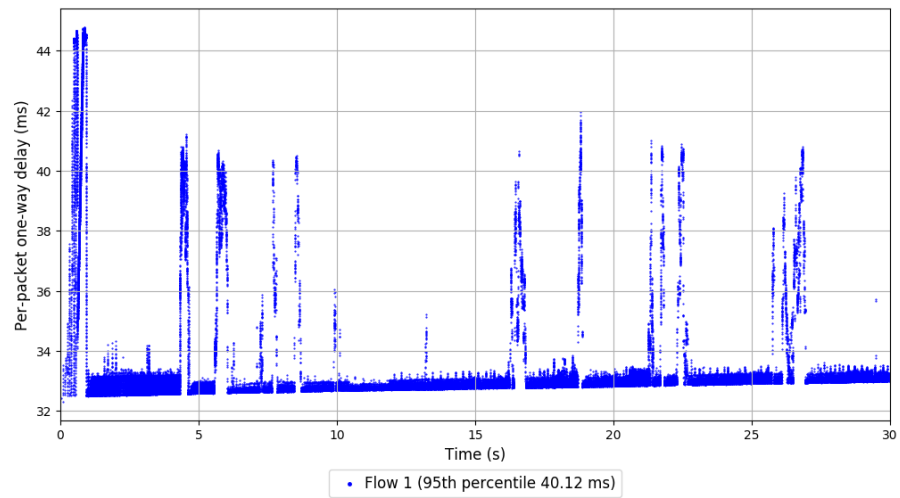
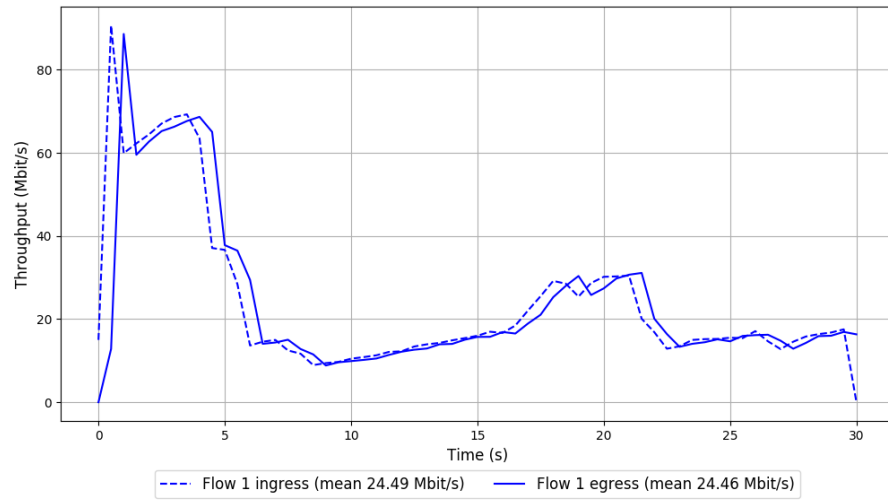
-- Flow 1:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 40.118 ms

Loss rate: 0.33%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-18 01:08:32

End at: 2018-07-18 01:09:02

Local clock offset: 0.628 ms

Remote clock offset: -8.777 ms

Below is generated by plot.py at 2018-07-18 05:15:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.75 Mbit/s

95th percentile per-packet one-way delay: 45.232 ms

Loss rate: 0.22%

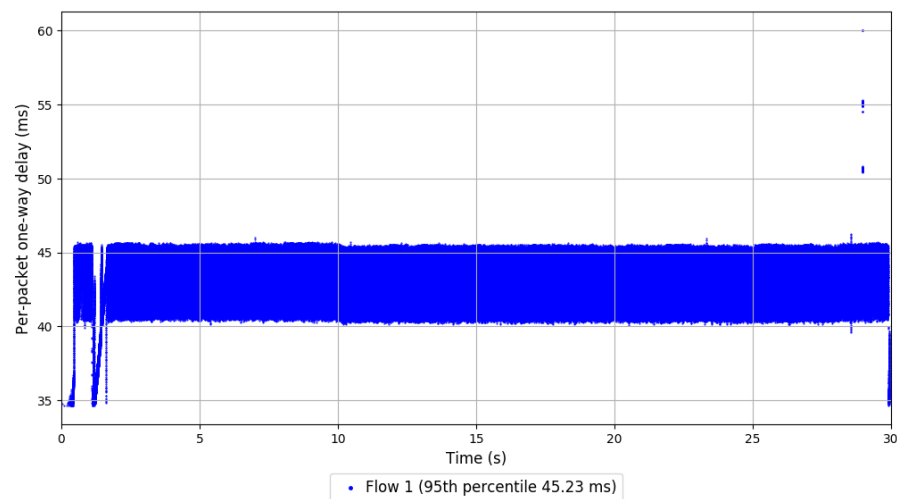
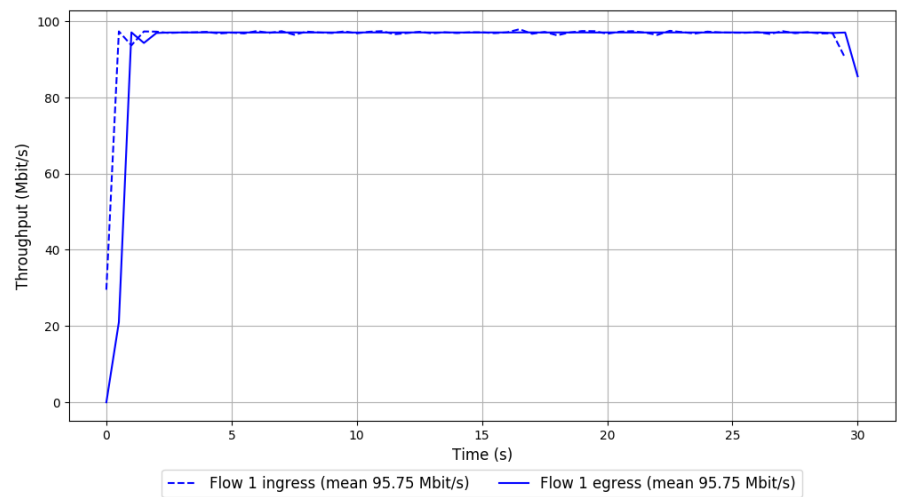
-- Flow 1:

Average throughput: 95.75 Mbit/s

95th percentile per-packet one-way delay: 45.232 ms

Loss rate: 0.22%

Run 1: Report of FillP — Data Link

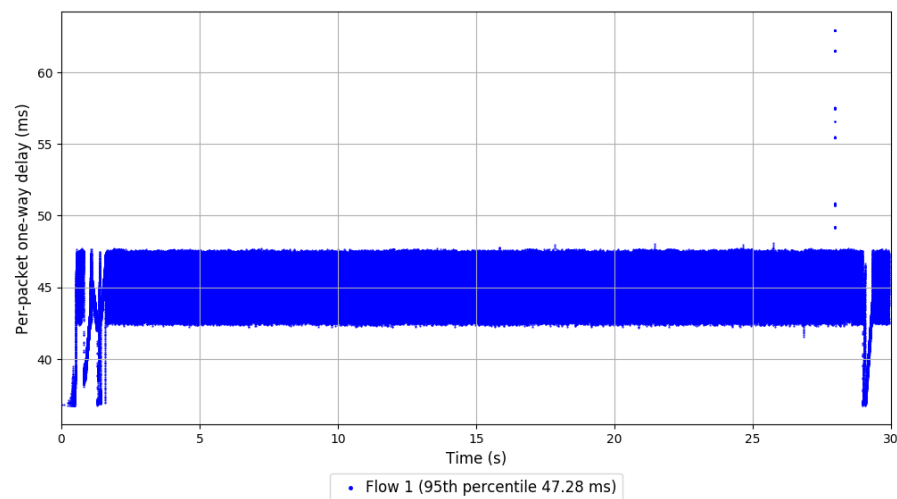
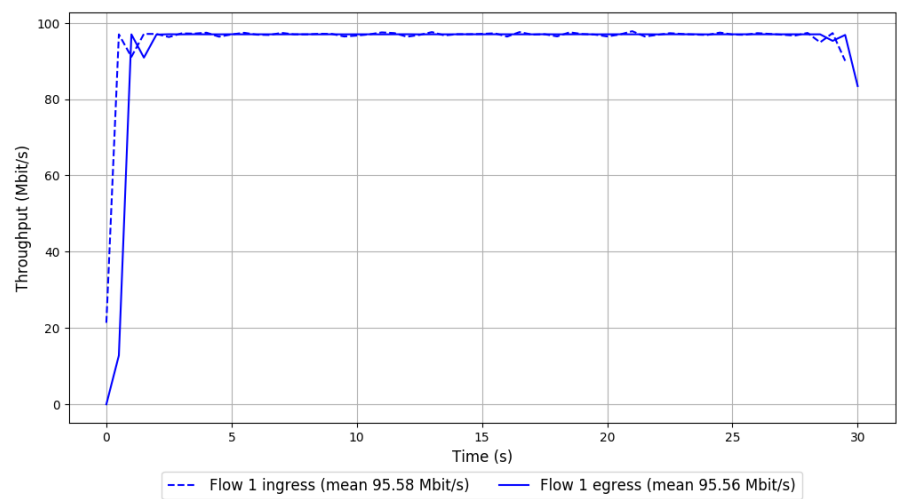


Run 2: Statistics of FillP

Start at: 2018-07-18 01:30:49
End at: 2018-07-18 01:31:19
Local clock offset: 0.52 ms
Remote clock offset: -0.865 ms

Below is generated by plot.py at 2018-07-18 05:15:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 47.278 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 47.278 ms
Loss rate: 0.28%

Run 2: Report of FillP — Data Link

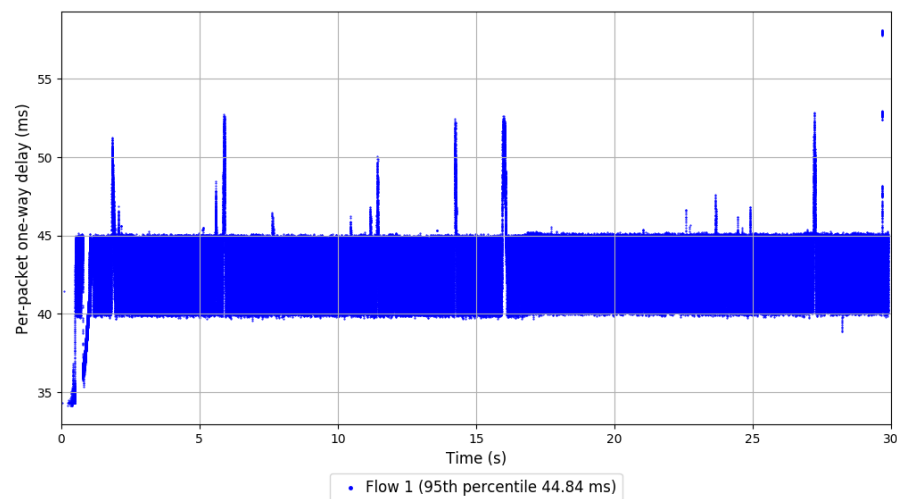
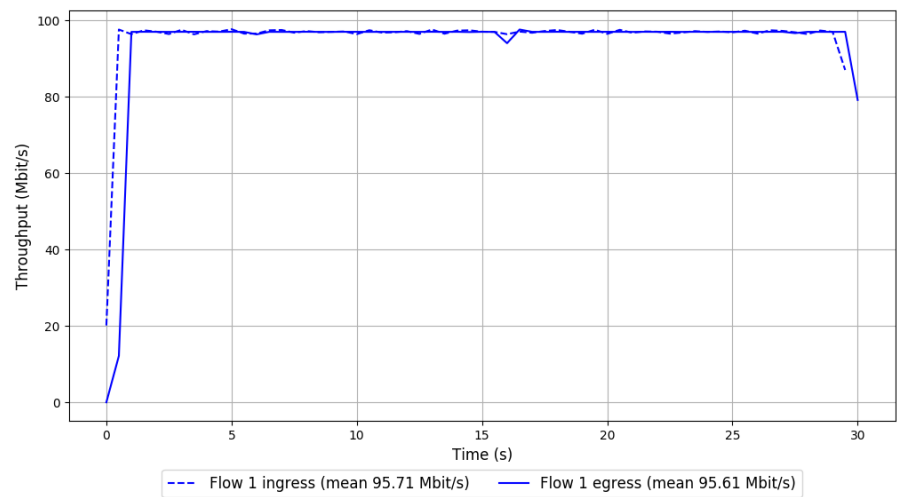


Run 3: Statistics of FillP

Start at: 2018-07-18 01:53:09
End at: 2018-07-18 01:53:39
Local clock offset: 0.669 ms
Remote clock offset: -0.492 ms

Below is generated by plot.py at 2018-07-18 05:15:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 44.842 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 44.842 ms
Loss rate: 0.34%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-18 02:16:04

End at: 2018-07-18 02:16:34

Local clock offset: 0.823 ms

Remote clock offset: 1.807 ms

Below is generated by plot.py at 2018-07-18 05:15:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 42.401 ms

Loss rate: 0.34%

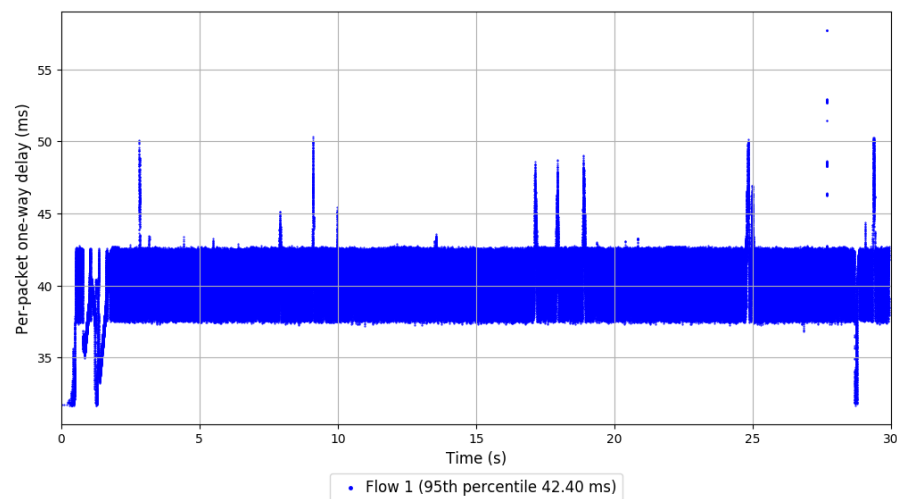
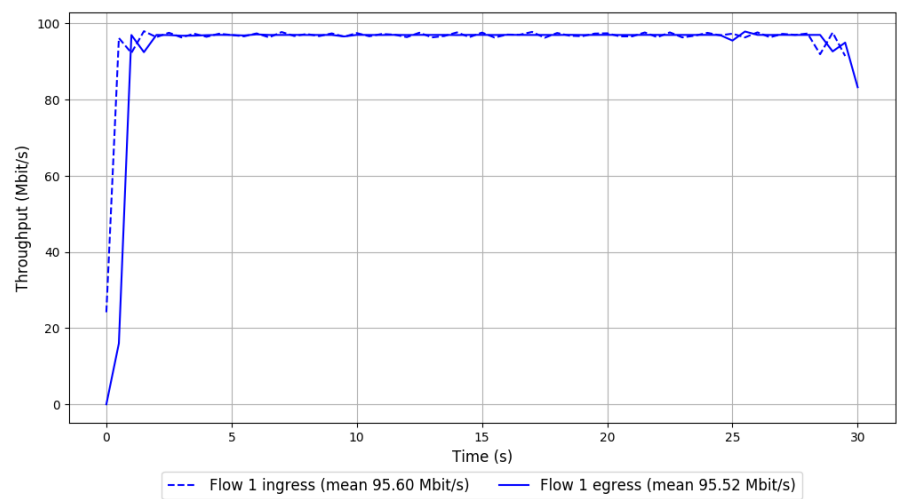
-- Flow 1:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 42.401 ms

Loss rate: 0.34%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-18 02:39:47

End at: 2018-07-18 02:40:17

Local clock offset: 0.869 ms

Remote clock offset: 3.203 ms

Below is generated by plot.py at 2018-07-18 05:15:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.20 Mbit/s

95th percentile per-packet one-way delay: 43.578 ms

Loss rate: 0.54%

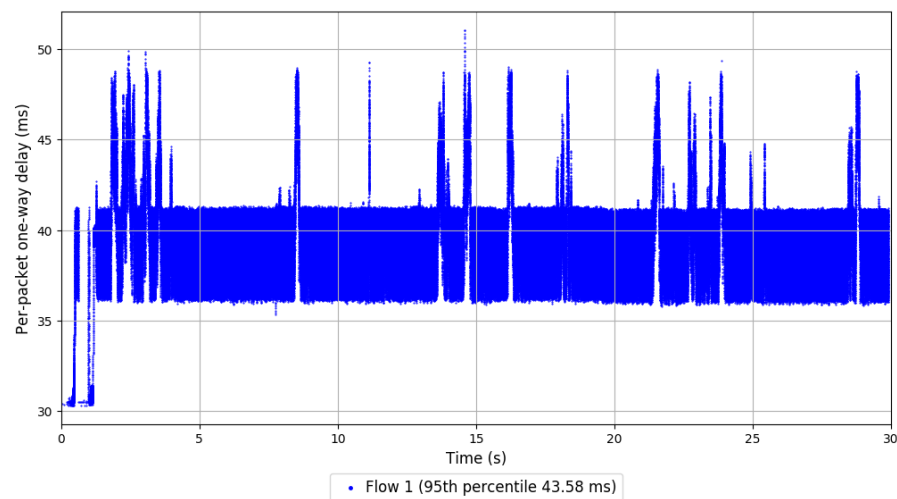
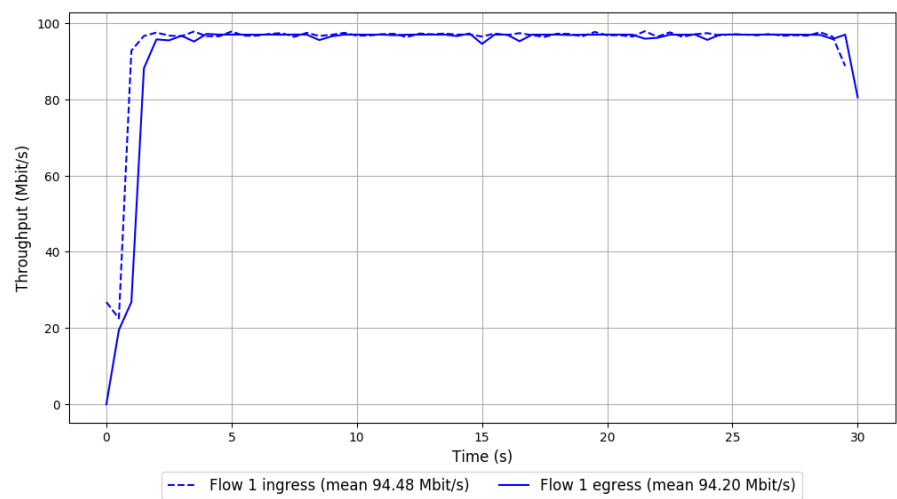
-- Flow 1:

Average throughput: 94.20 Mbit/s

95th percentile per-packet one-way delay: 43.578 ms

Loss rate: 0.54%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-18 03:03:20

End at: 2018-07-18 03:03:50

Local clock offset: 1.26 ms

Remote clock offset: 1.97 ms

Below is generated by plot.py at 2018-07-18 05:15:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 49.137 ms

Loss rate: 1.90%

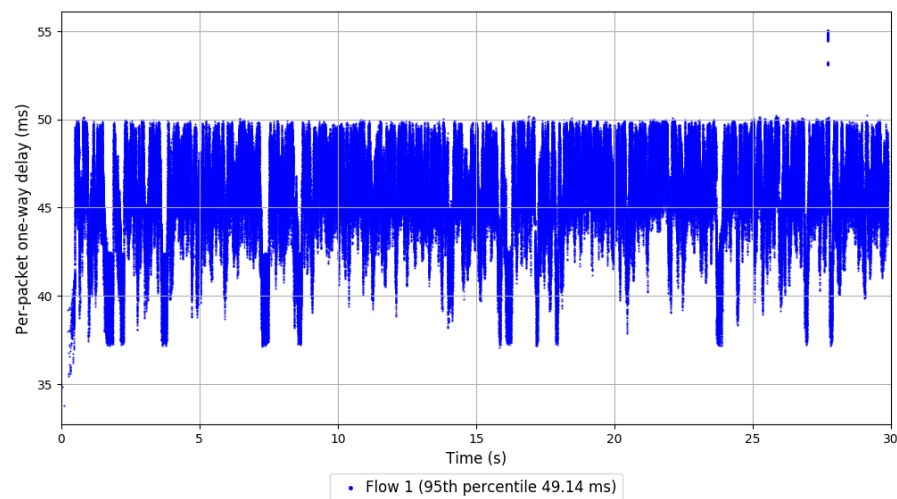
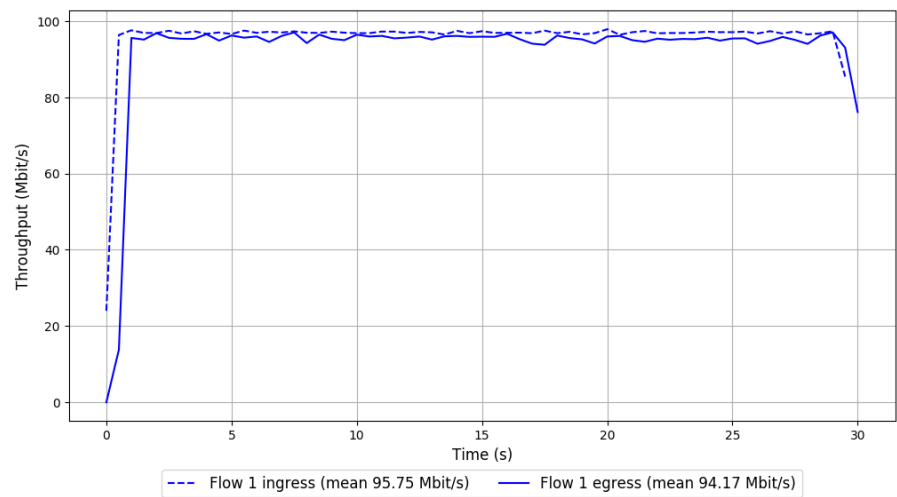
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 49.137 ms

Loss rate: 1.90%

Run 6: Report of FillP — Data Link

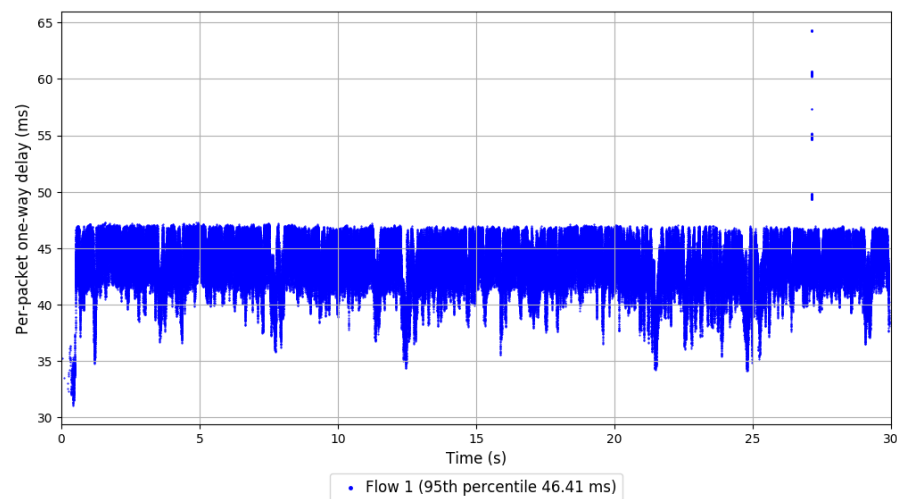
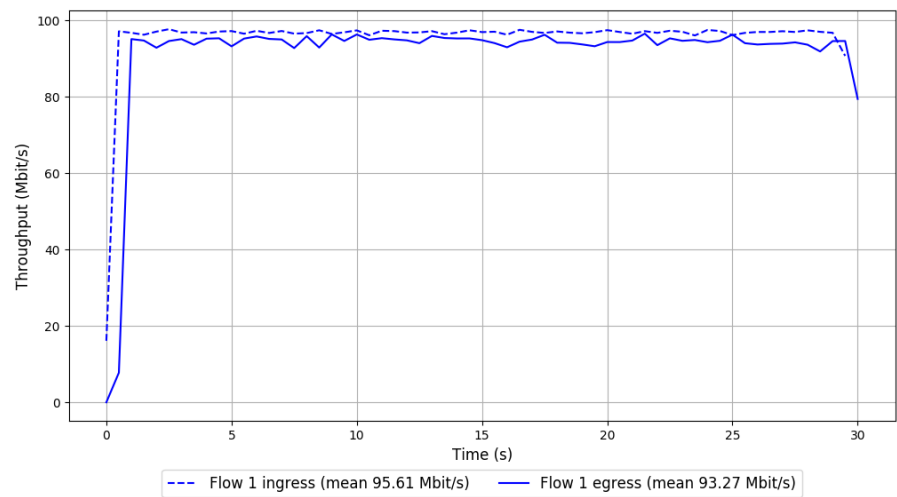


Run 7: Statistics of FillP

Start at: 2018-07-18 03:30:04
End at: 2018-07-18 03:30:34
Local clock offset: 9.475 ms
Remote clock offset: -1.657 ms

Below is generated by plot.py at 2018-07-18 05:15:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 46.415 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 46.415 ms
Loss rate: 2.70%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-18 03:54:39

End at: 2018-07-18 03:55:09

Local clock offset: 12.295 ms

Remote clock offset: 0.267 ms

Below is generated by plot.py at 2018-07-18 05:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.13 Mbit/s

95th percentile per-packet one-way delay: 48.103 ms

Loss rate: 0.90%

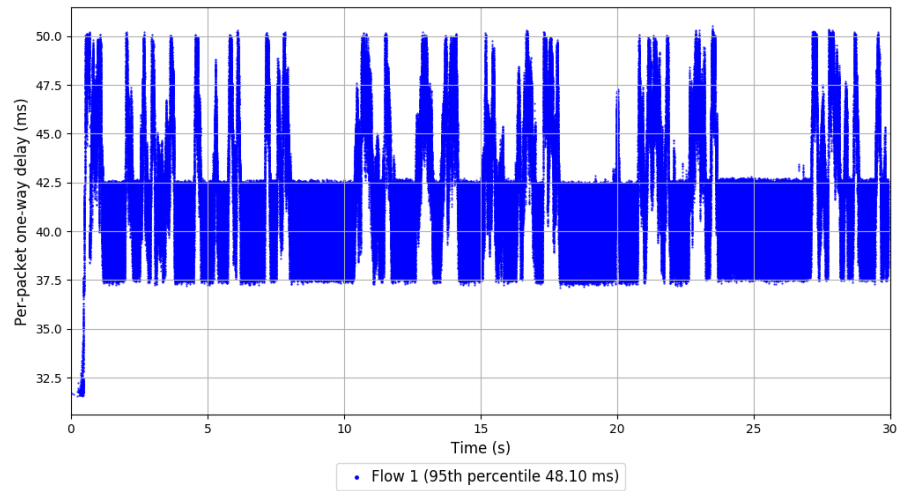
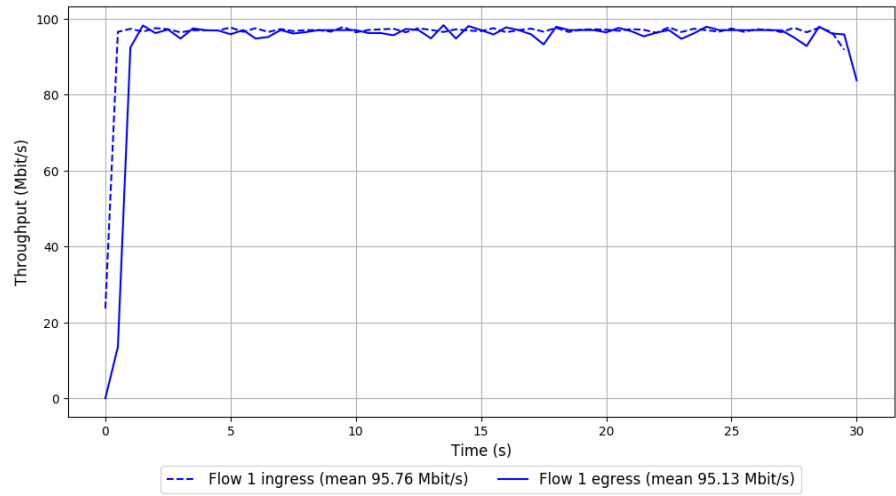
-- Flow 1:

Average throughput: 95.13 Mbit/s

95th percentile per-packet one-way delay: 48.103 ms

Loss rate: 0.90%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-18 04:21:14

End at: 2018-07-18 04:21:44

Local clock offset: 12.274 ms

Remote clock offset: 1.613 ms

Below is generated by plot.py at 2018-07-18 05:16:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.90 Mbit/s

95th percentile per-packet one-way delay: 48.513 ms

Loss rate: 0.93%

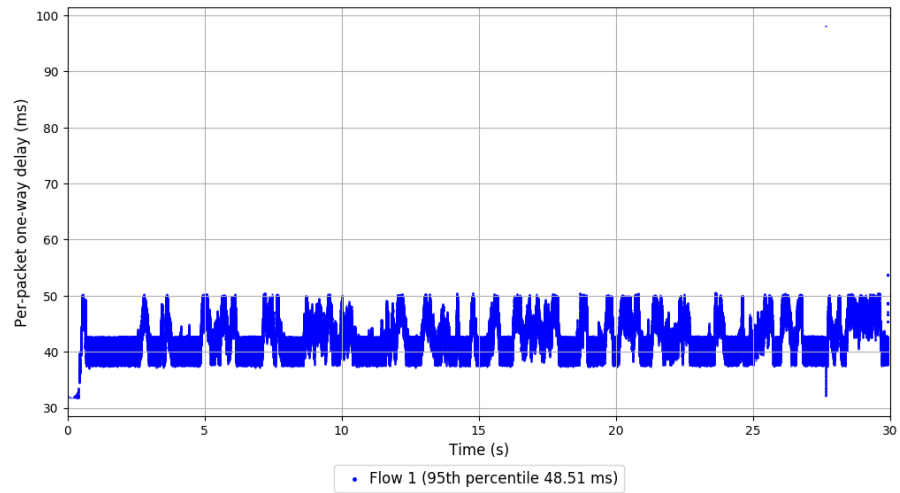
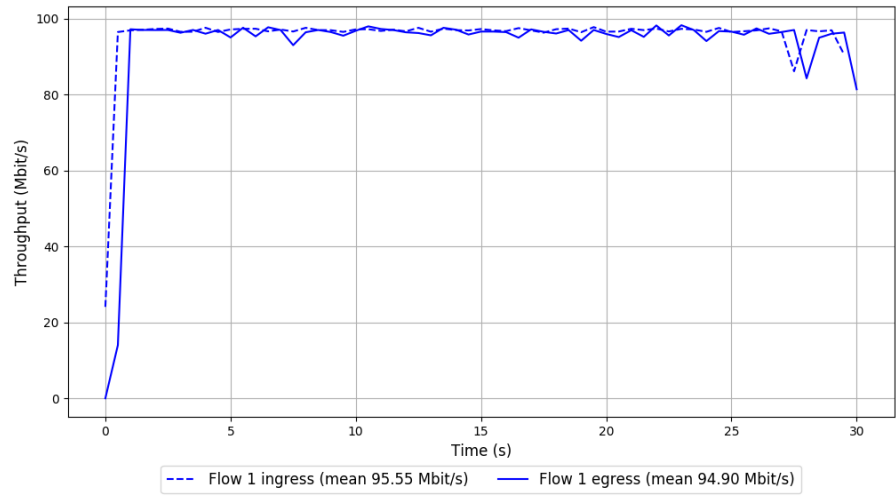
-- Flow 1:

Average throughput: 94.90 Mbit/s

95th percentile per-packet one-way delay: 48.513 ms

Loss rate: 0.93%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-18 04:45:04

End at: 2018-07-18 04:45:34

Local clock offset: 11.332 ms

Remote clock offset: 1.509 ms

Below is generated by plot.py at 2018-07-18 05:16:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.25 Mbit/s

95th percentile per-packet one-way delay: 48.283 ms

Loss rate: 0.78%

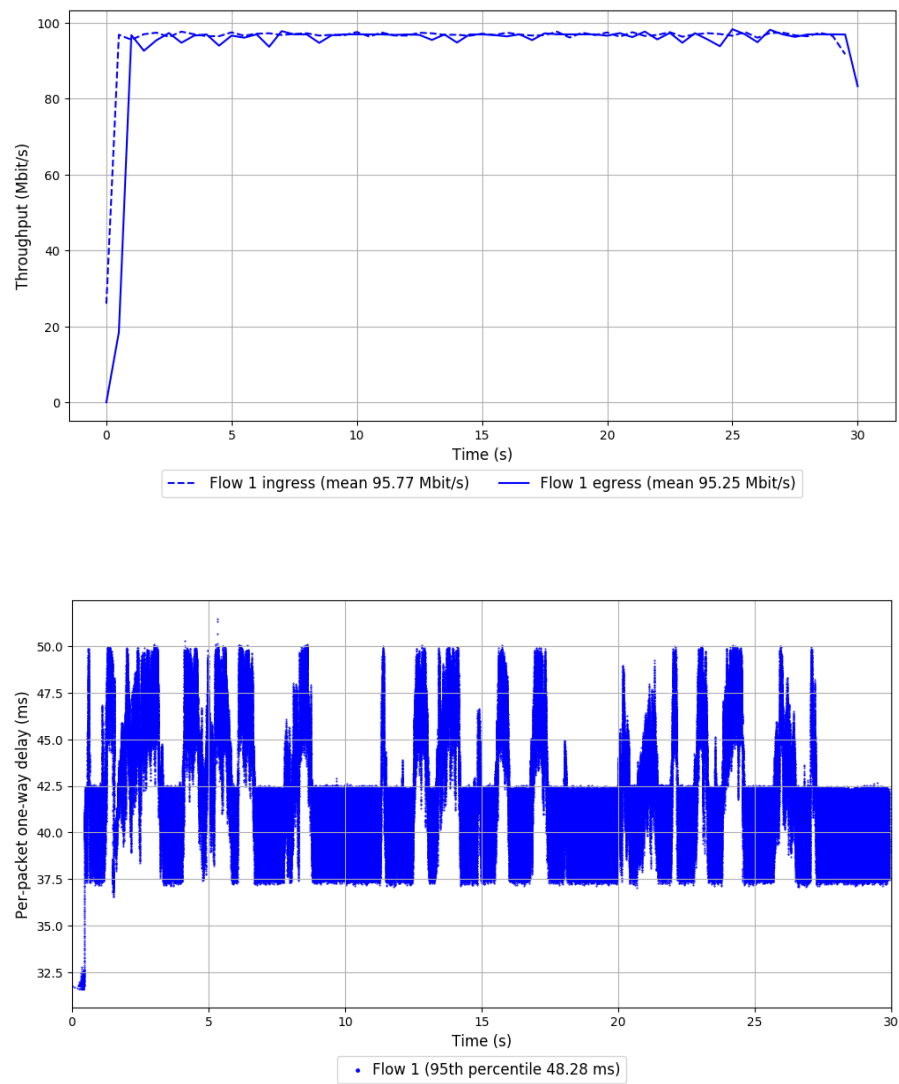
-- Flow 1:

Average throughput: 95.25 Mbit/s

95th percentile per-packet one-way delay: 48.283 ms

Loss rate: 0.78%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-18 01:09:50

End at: 2018-07-18 01:10:21

Local clock offset: 0.613 ms

Remote clock offset: -8.694 ms

Below is generated by plot.py at 2018-07-18 05:16:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.44 Mbit/s

95th percentile per-packet one-way delay: 45.007 ms

Loss rate: 0.26%

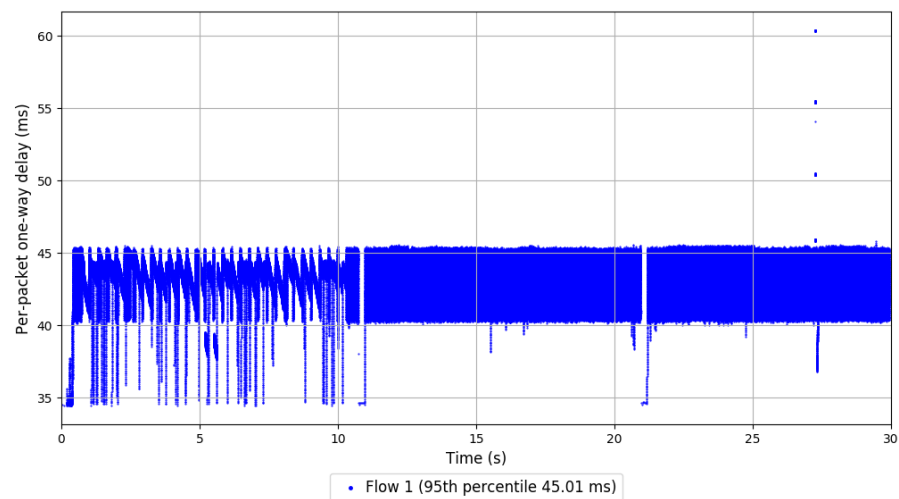
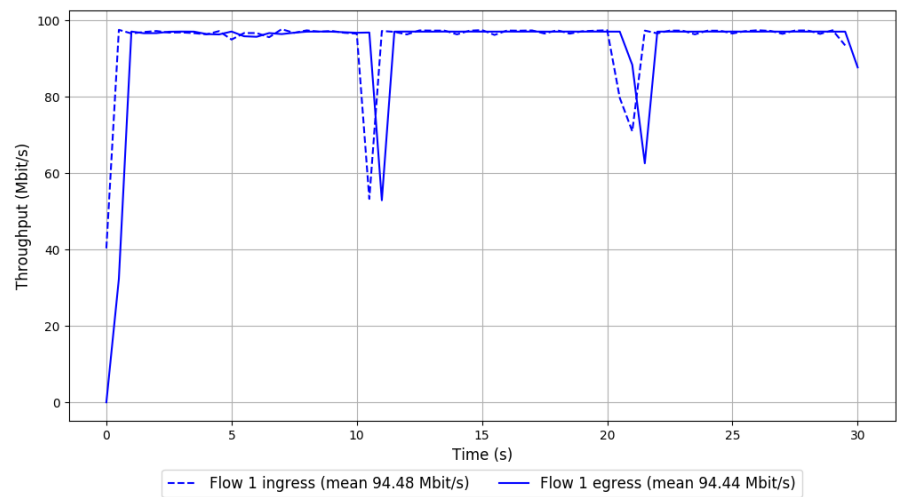
-- Flow 1:

Average throughput: 94.44 Mbit/s

95th percentile per-packet one-way delay: 45.007 ms

Loss rate: 0.26%

Run 1: Report of FillP-Sheep — Data Link

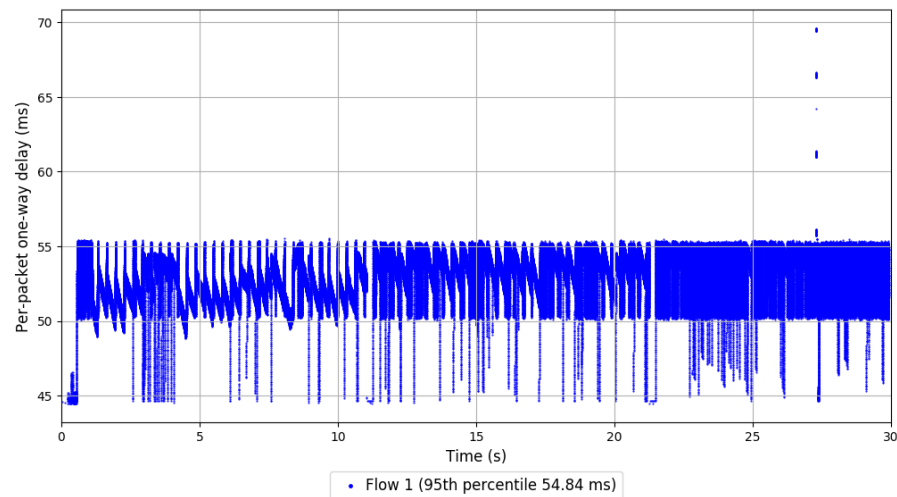
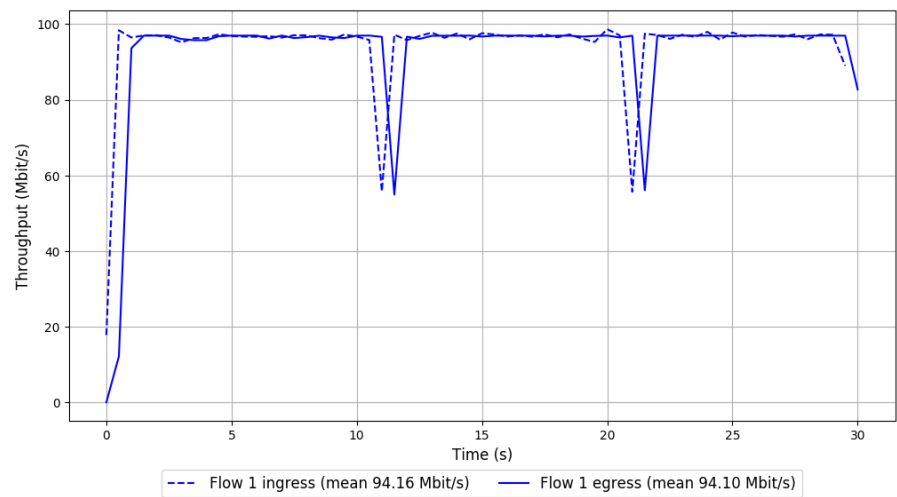


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-18 01:32:08
End at: 2018-07-18 01:32:38
Local clock offset: 0.534 ms
Remote clock offset: -8.725 ms

Below is generated by plot.py at 2018-07-18 05:16:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.10 Mbit/s
95th percentile per-packet one-way delay: 54.836 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 94.10 Mbit/s
95th percentile per-packet one-way delay: 54.836 ms
Loss rate: 0.31%

Run 2: Report of FillP-Sheep — Data Link

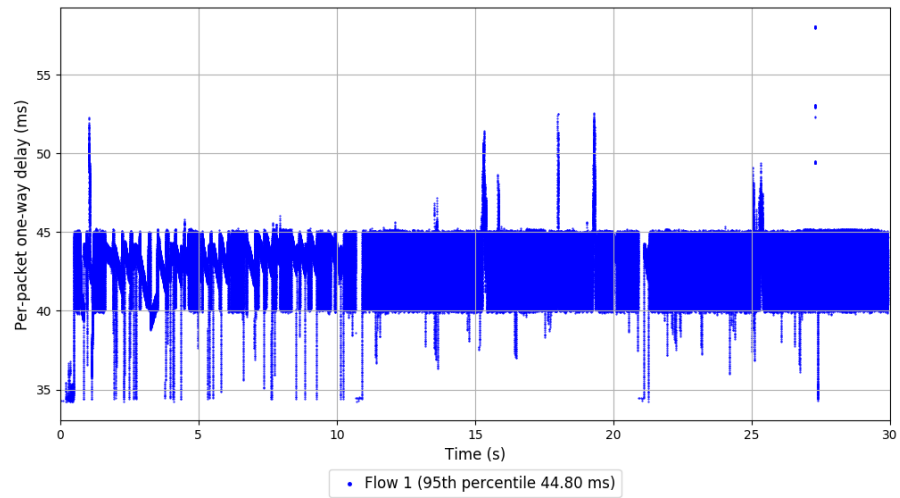
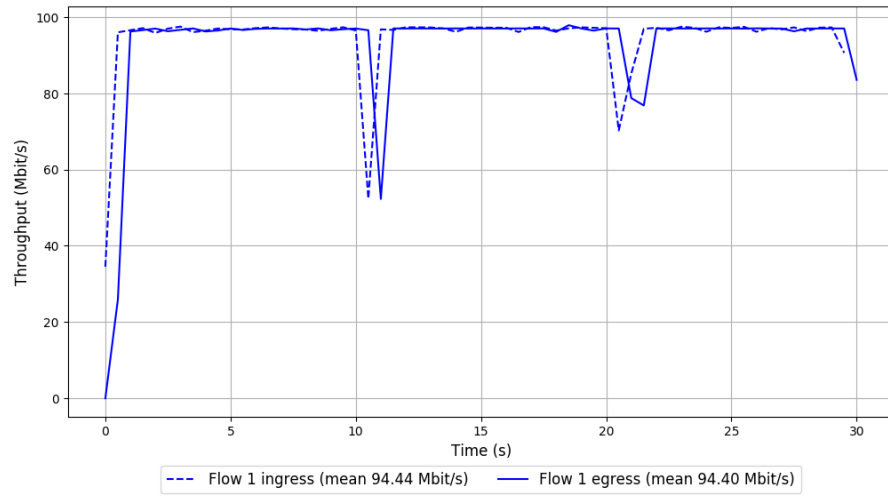


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-18 01:54:29
End at: 2018-07-18 01:54:59
Local clock offset: 0.711 ms
Remote clock offset: -0.489 ms

Below is generated by plot.py at 2018-07-18 05:17:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 44.797 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 44.797 ms
Loss rate: 0.30%

Run 3: Report of FillP-Sheep — Data Link

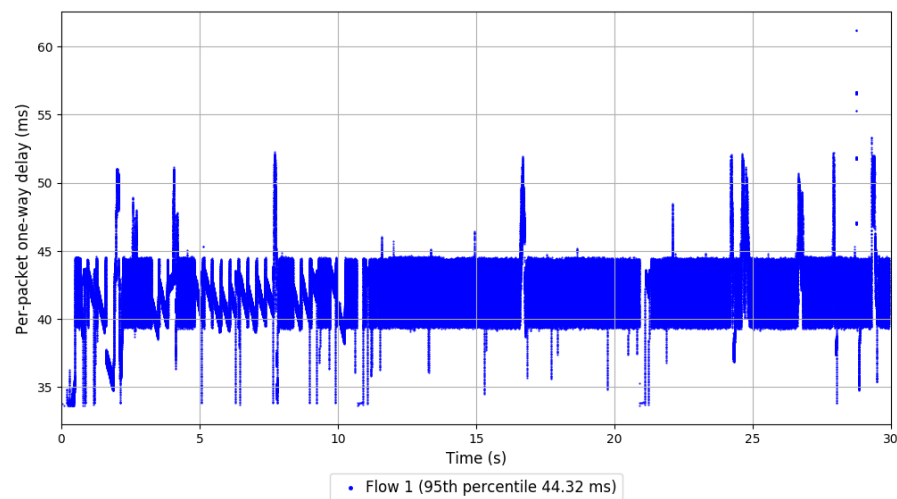
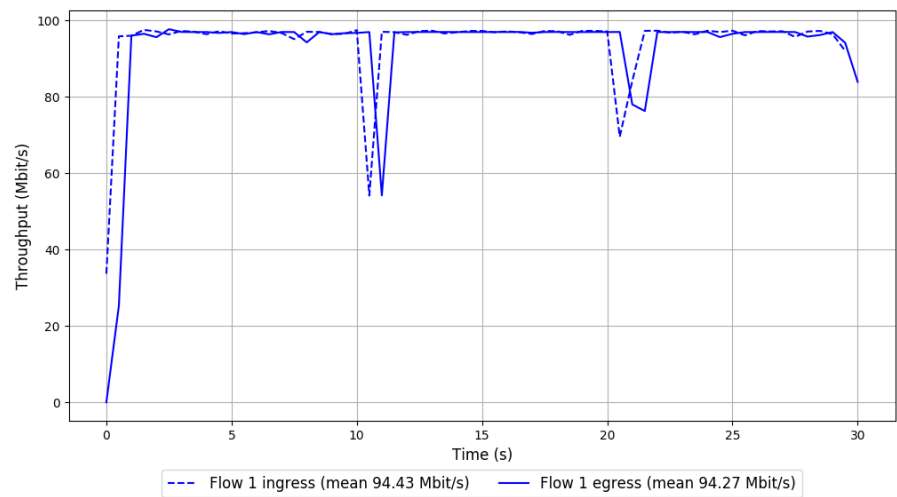


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-18 02:17:25
End at: 2018-07-18 02:17:55
Local clock offset: 0.823 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-18 05:17:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.27 Mbit/s
95th percentile per-packet one-way delay: 44.319 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 94.27 Mbit/s
95th percentile per-packet one-way delay: 44.319 ms
Loss rate: 0.42%

Run 4: Report of FillP-Sheep — Data Link

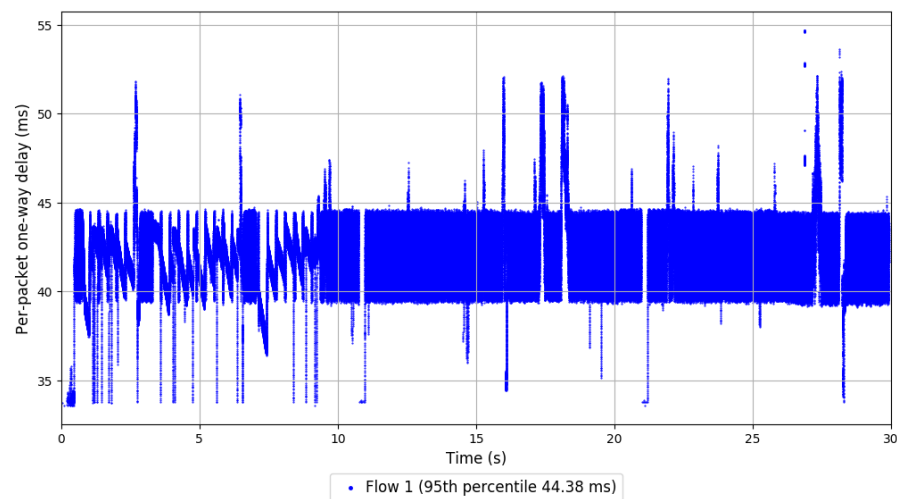
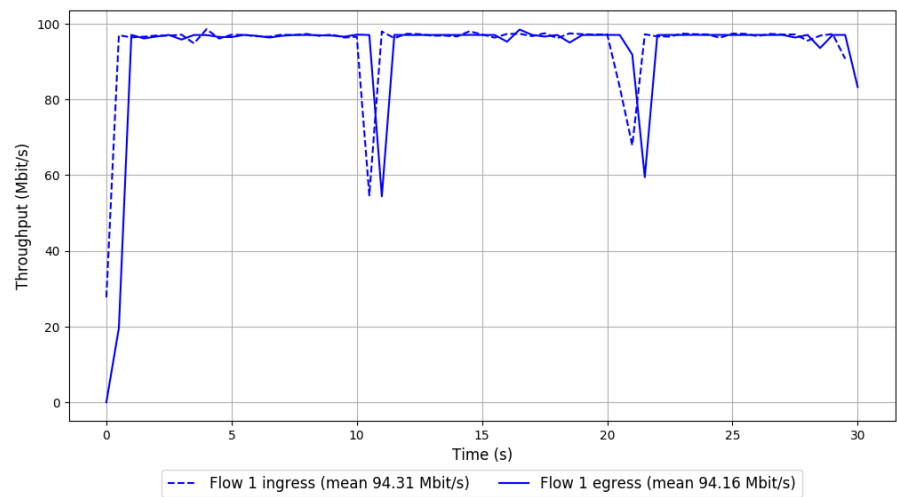


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-18 02:41:13
End at: 2018-07-18 02:41:43
Local clock offset: 0.784 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-07-18 05:17:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 44.378 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 44.378 ms
Loss rate: 0.40%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-18 03:05:07

End at: 2018-07-18 03:05:37

Local clock offset: 1.197 ms

Remote clock offset: 3.263 ms

Below is generated by plot.py at 2018-07-18 05:17:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.05 Mbit/s

95th percentile per-packet one-way delay: 47.779 ms

Loss rate: 1.81%

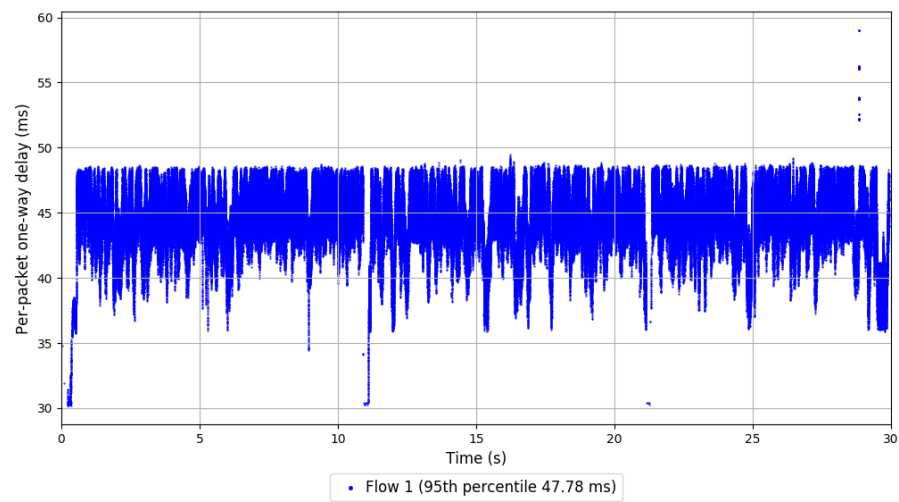
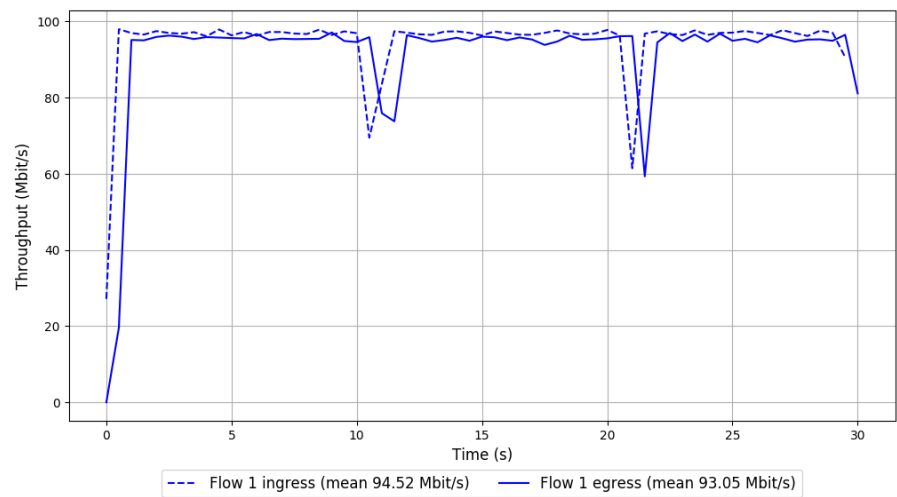
-- Flow 1:

Average throughput: 93.05 Mbit/s

95th percentile per-packet one-way delay: 47.779 ms

Loss rate: 1.81%

Run 6: Report of FillP-Sheep — Data Link

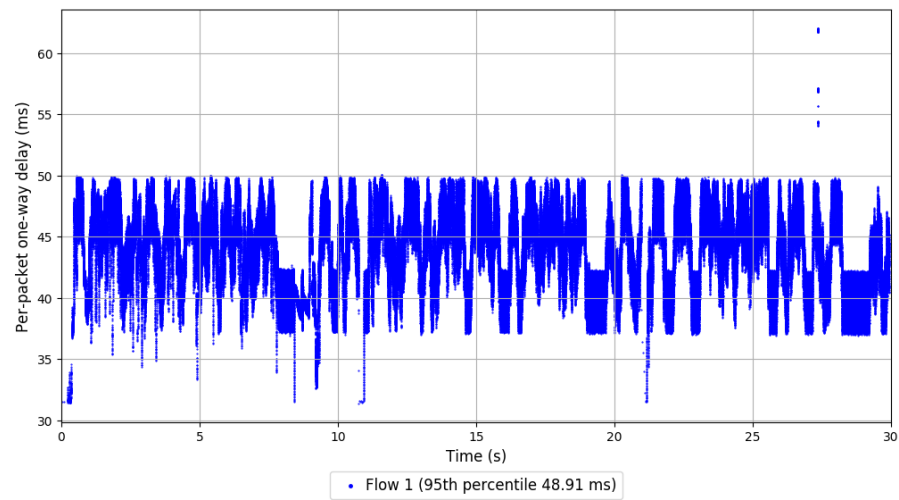
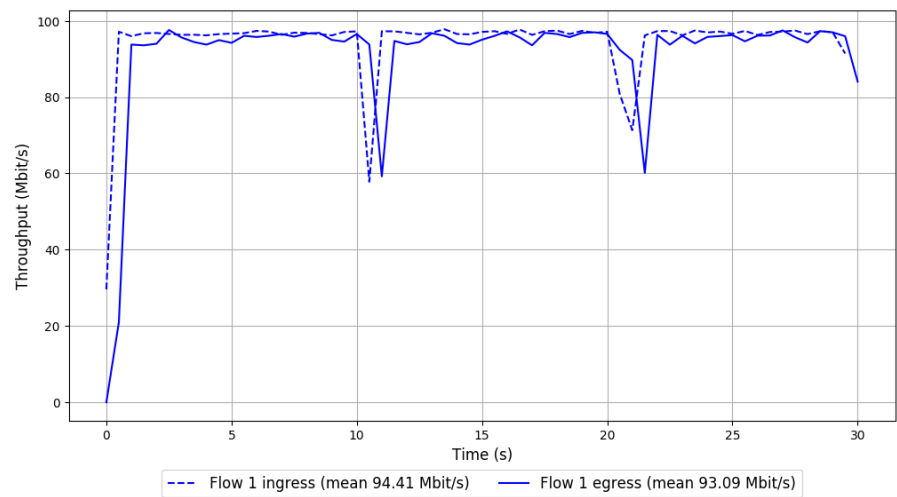


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-18 03:32:08
End at: 2018-07-18 03:32:38
Local clock offset: 10.253 ms
Remote clock offset: -4.616 ms

Below is generated by plot.py at 2018-07-18 05:18:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.09 Mbit/s
95th percentile per-packet one-way delay: 48.907 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 93.09 Mbit/s
95th percentile per-packet one-way delay: 48.907 ms
Loss rate: 1.64%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-18 03:56:05

End at: 2018-07-18 03:56:35

Local clock offset: 12.315 ms

Remote clock offset: 0.522 ms

Below is generated by plot.py at 2018-07-18 05:18:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 47.507 ms

Loss rate: 0.73%

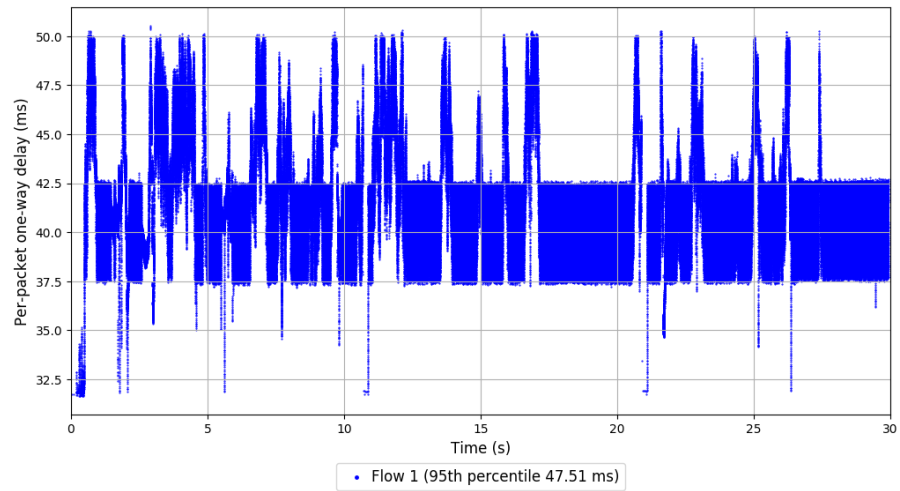
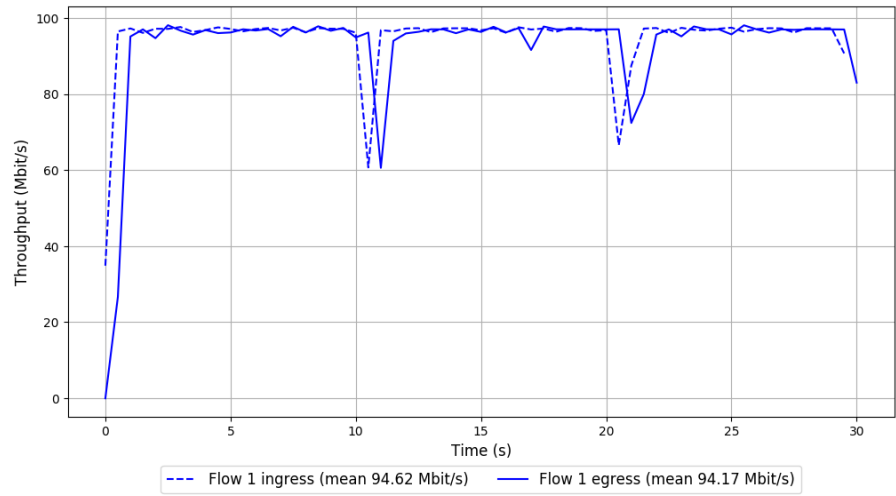
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 47.507 ms

Loss rate: 0.73%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-18 04:22:38

End at: 2018-07-18 04:23:08

Local clock offset: 11.924 ms

Remote clock offset: 0.87 ms

Below is generated by plot.py at 2018-07-18 05:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.77 Mbit/s

95th percentile per-packet one-way delay: 48.532 ms

Loss rate: 0.89%

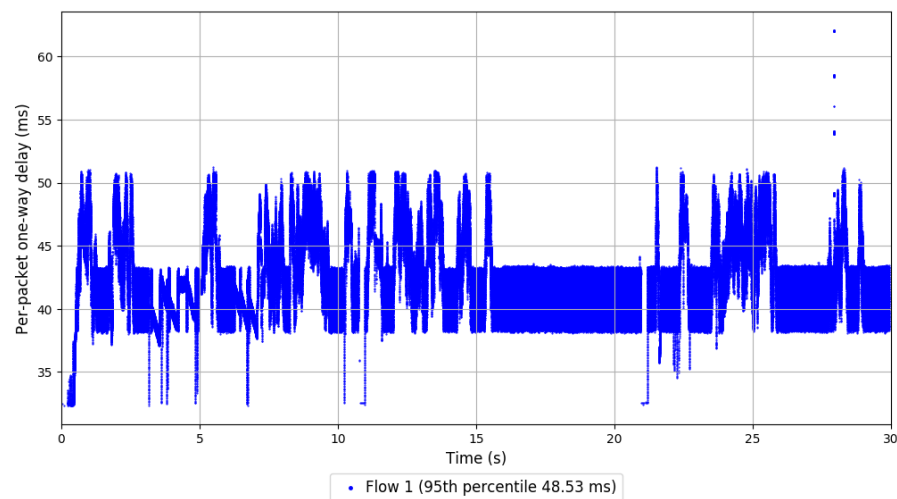
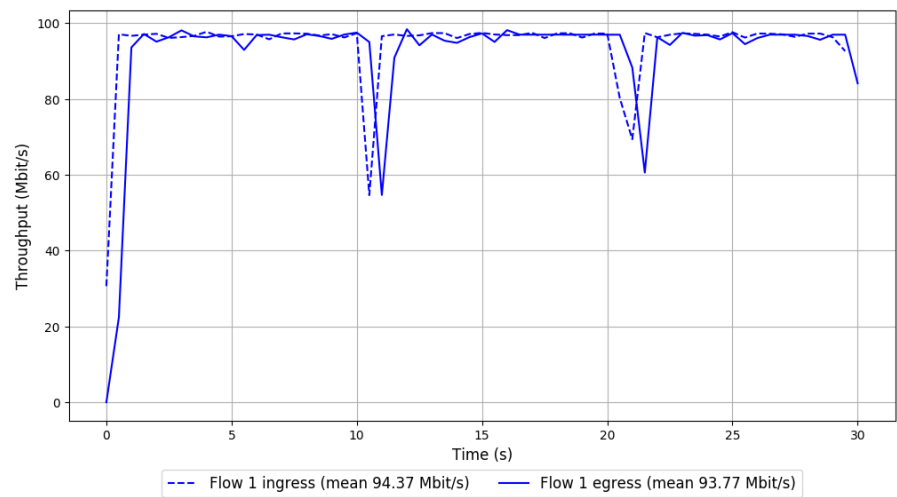
-- Flow 1:

Average throughput: 93.77 Mbit/s

95th percentile per-packet one-way delay: 48.532 ms

Loss rate: 0.89%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-18 04:46:26

End at: 2018-07-18 04:46:56

Local clock offset: 11.394 ms

Remote clock offset: 1.572 ms

Below is generated by plot.py at 2018-07-18 05:18:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.99 Mbit/s

95th percentile per-packet one-way delay: 47.655 ms

Loss rate: 0.68%

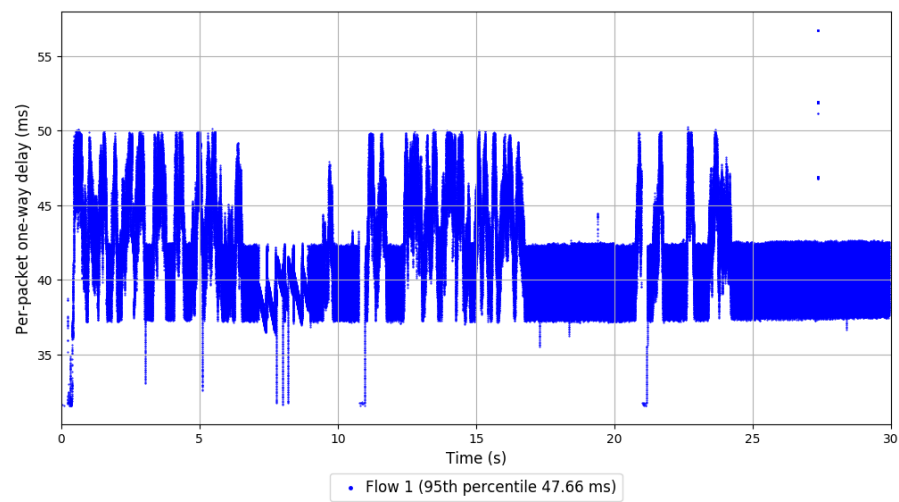
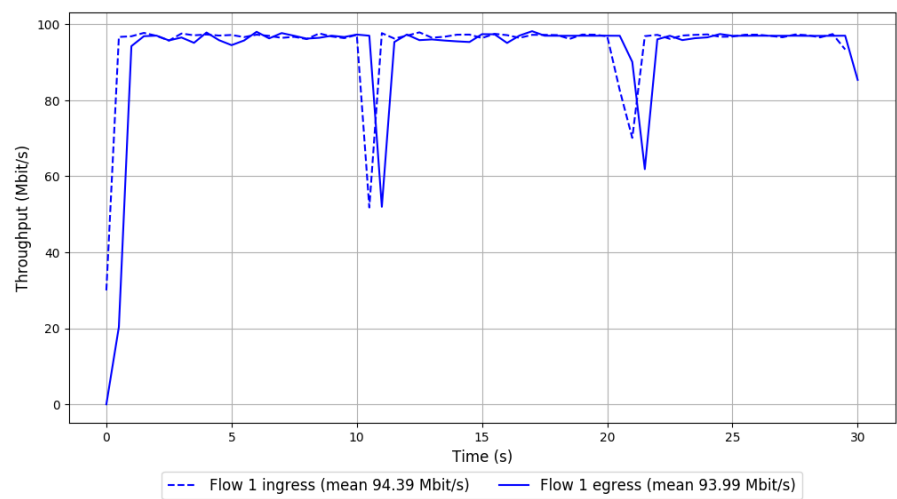
-- Flow 1:

Average throughput: 93.99 Mbit/s

95th percentile per-packet one-way delay: 47.655 ms

Loss rate: 0.68%

Run 10: Report of FillP-Sheep — Data Link

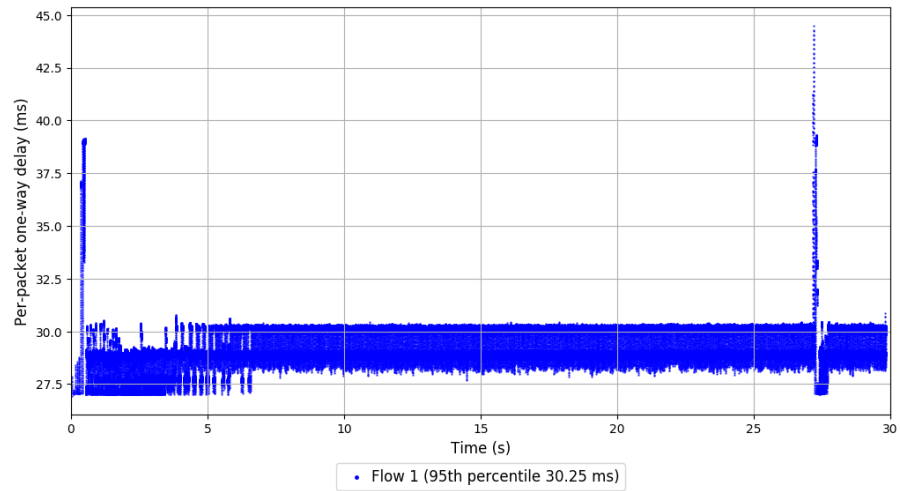
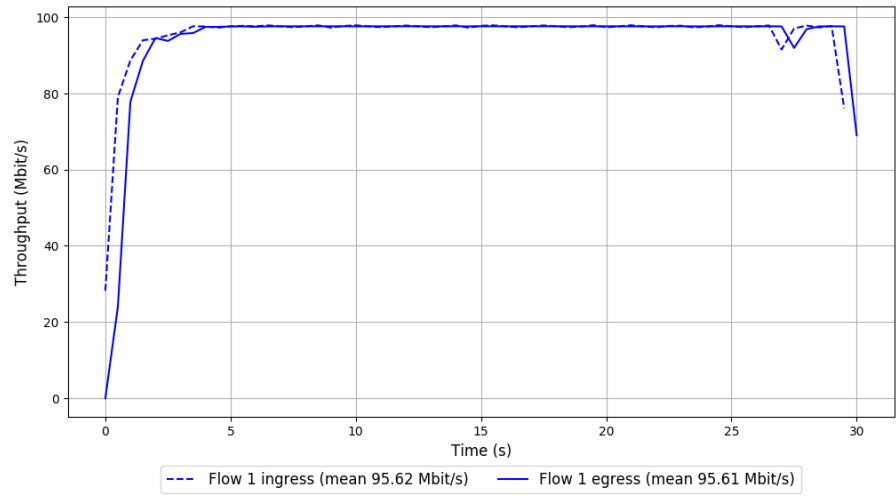


```
Run 1: Statistics of Indigo

Start at: 2018-07-18 01:21:35
End at: 2018-07-18 01:22:05
Local clock offset: 0.591 ms
Remote clock offset: -0.527 ms

# Below is generated by plot.py at 2018-07-18 05:18:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 30.252 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 30.252 ms
Loss rate: 0.22%
```

Run 1: Report of Indigo — Data Link

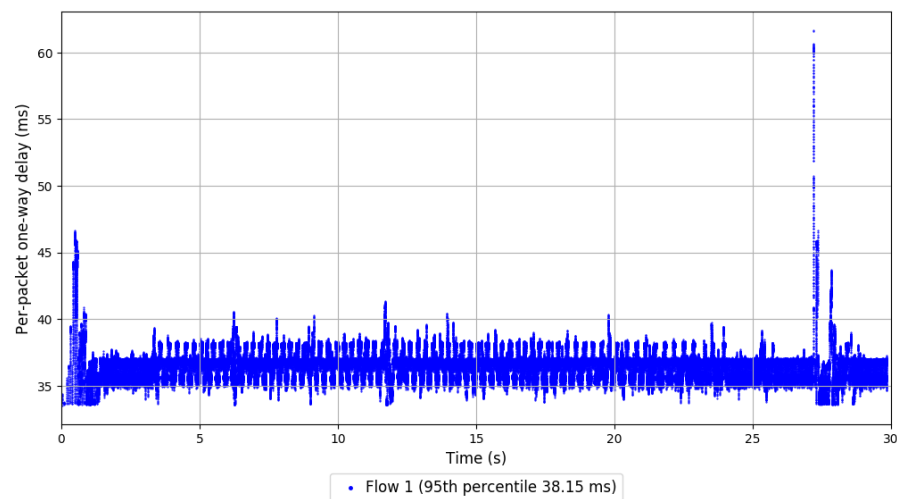
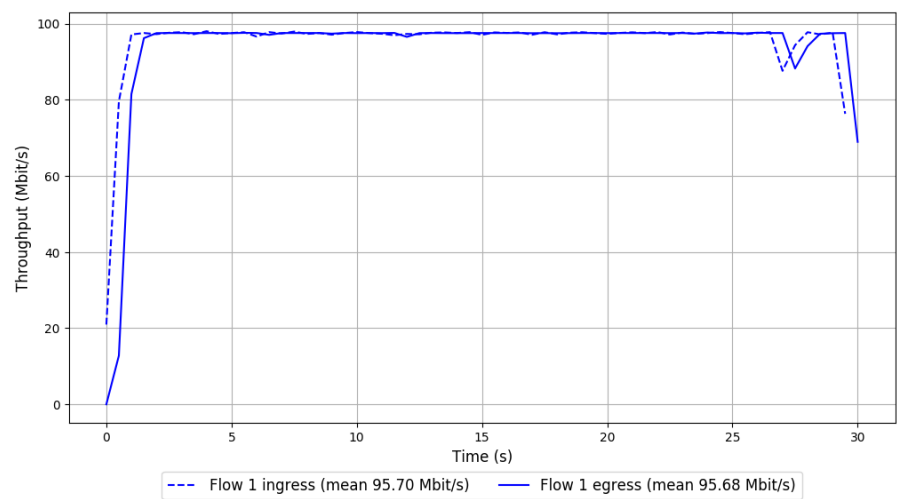


Run 2: Statistics of Indigo

Start at: 2018-07-18 01:43:51
End at: 2018-07-18 01:44:21
Local clock offset: 0.379 ms
Remote clock offset: -2.681 ms

Below is generated by plot.py at 2018-07-18 05:18:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 38.149 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 38.149 ms
Loss rate: 0.25%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-18 02:06:27

End at: 2018-07-18 02:06:57

Local clock offset: 0.742 ms

Remote clock offset: 1.894 ms

Below is generated by plot.py at 2018-07-18 05:18:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.96 Mbit/s

95th percentile per-packet one-way delay: 37.168 ms

Loss rate: 0.41%

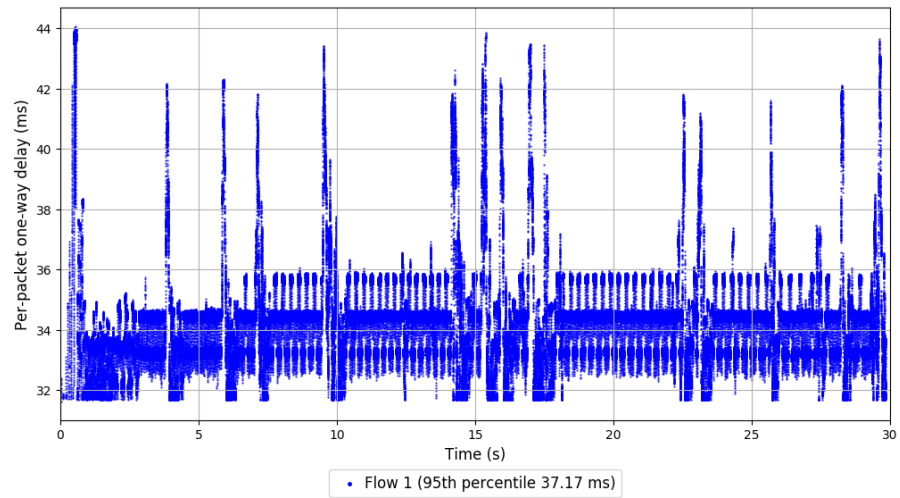
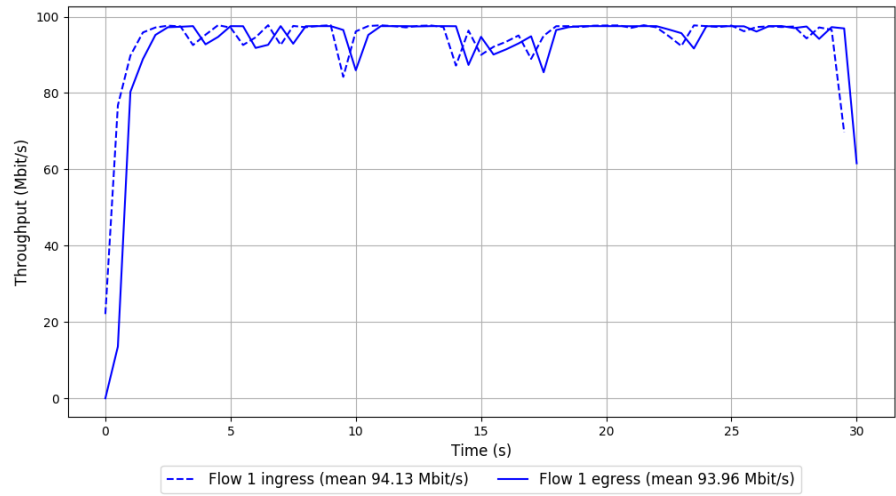
-- Flow 1:

Average throughput: 93.96 Mbit/s

95th percentile per-packet one-way delay: 37.168 ms

Loss rate: 0.41%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-18 02:29:49

End at: 2018-07-18 02:30:19

Local clock offset: 0.887 ms

Remote clock offset: 1.255 ms

Below is generated by plot.py at 2018-07-18 05:18:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 39.081 ms

Loss rate: 0.48%

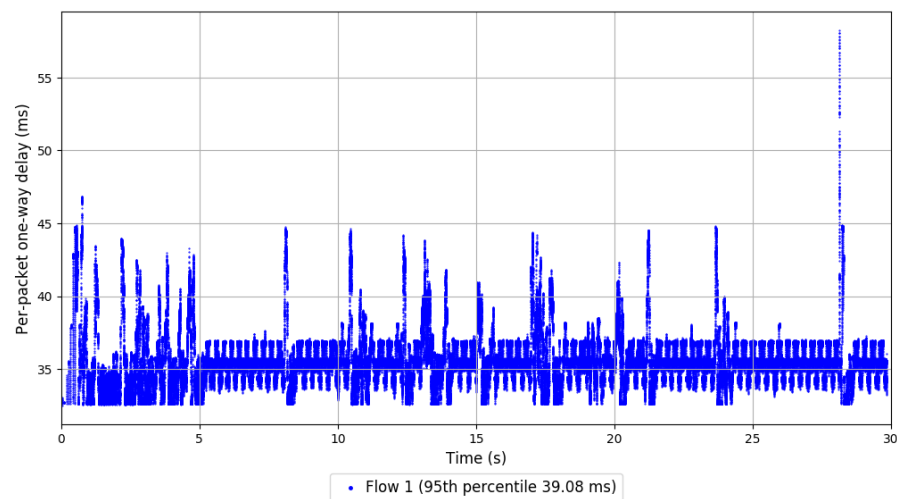
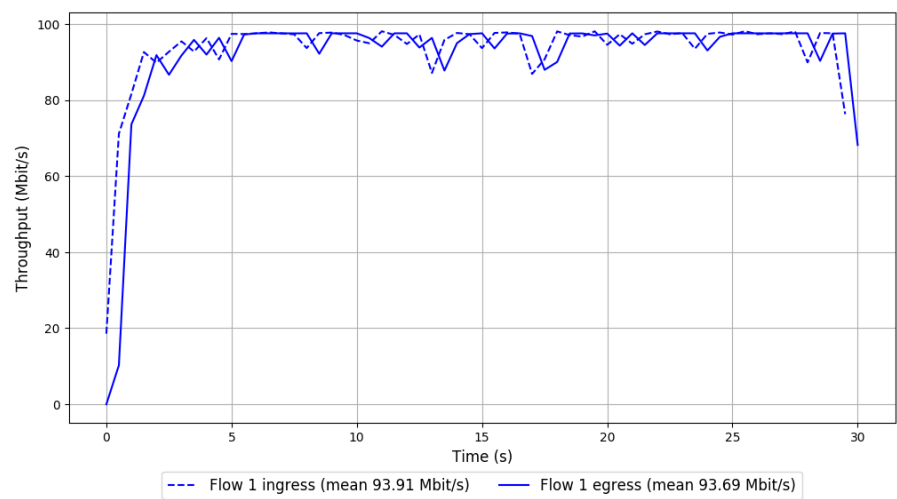
-- Flow 1:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 39.081 ms

Loss rate: 0.48%

Run 4: Report of Indigo — Data Link

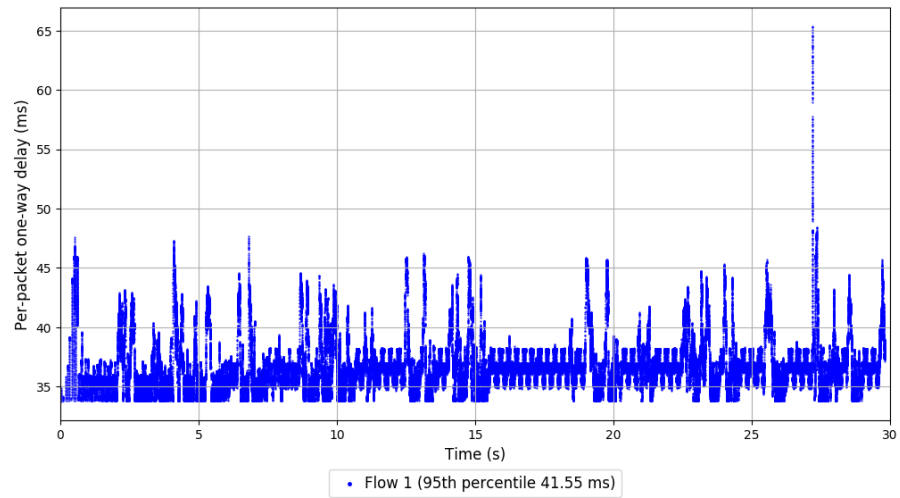
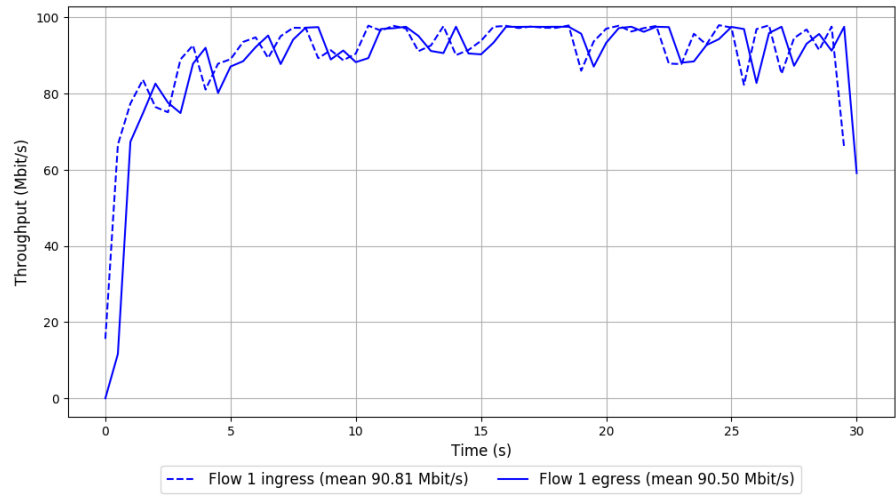


Run 5: Statistics of Indigo

Start at: 2018-07-18 02:53:17
End at: 2018-07-18 02:53:47
Local clock offset: 1.087 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-07-18 05:19:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 41.555 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 41.555 ms
Loss rate: 0.58%

Run 5: Report of Indigo — Data Link

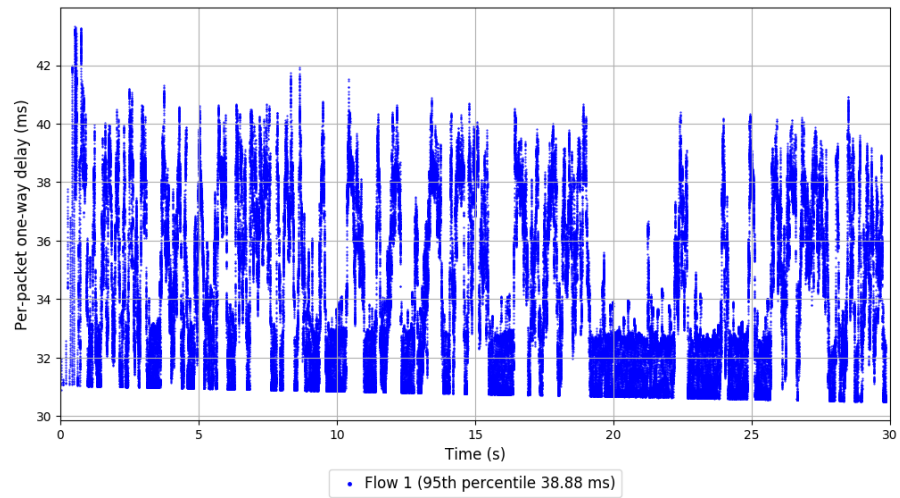
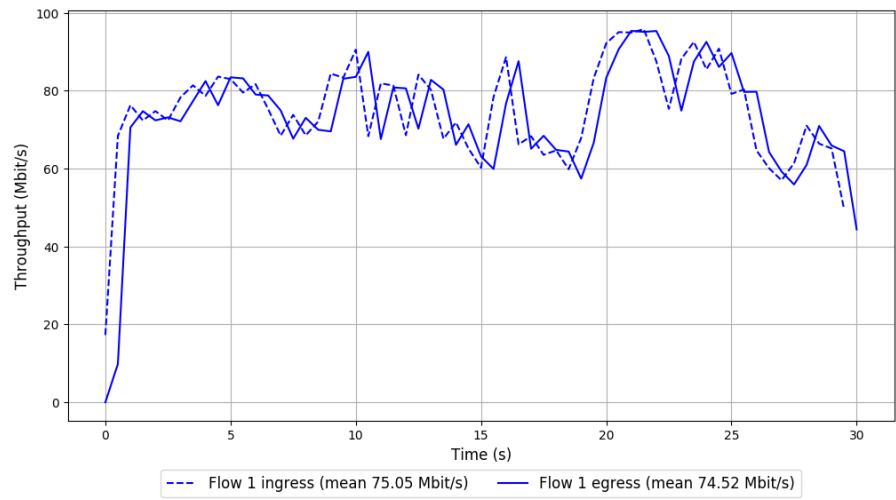


Run 6: Statistics of Indigo

Start at: 2018-07-18 03:18:50
End at: 2018-07-18 03:19:20
Local clock offset: 2.822 ms
Remote clock offset: -2.516 ms

Below is generated by plot.py at 2018-07-18 05:19:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.52 Mbit/s
95th percentile per-packet one-way delay: 38.875 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 74.52 Mbit/s
95th percentile per-packet one-way delay: 38.875 ms
Loss rate: 0.95%

Run 6: Report of Indigo — Data Link

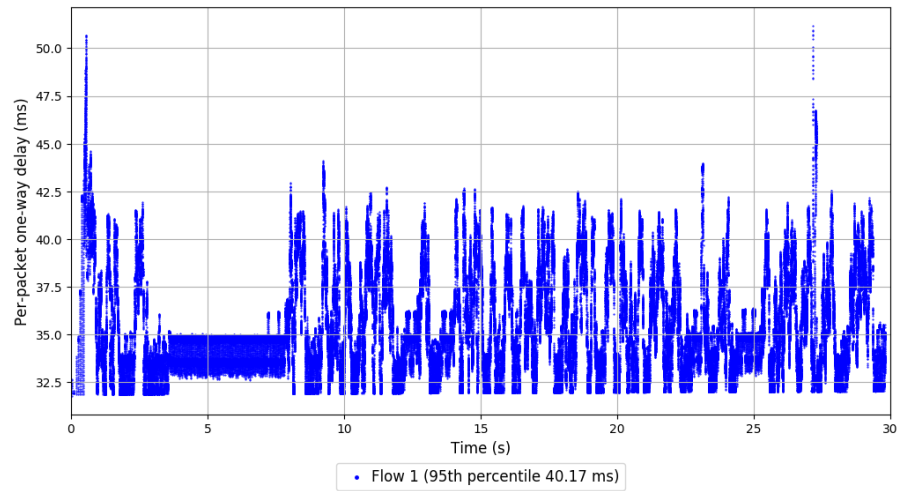
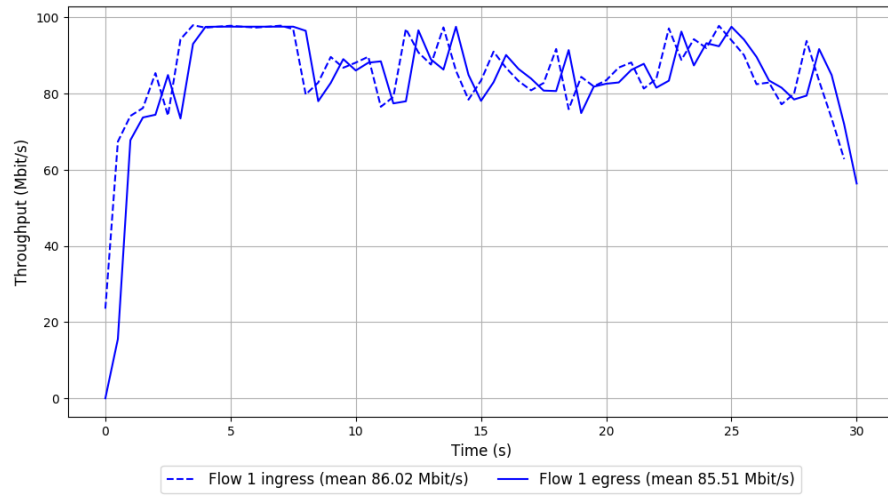


Run 7: Statistics of Indigo

Start at: 2018-07-18 03:44:49
End at: 2018-07-18 03:45:19
Local clock offset: 13.033 ms
Remote clock offset: -3.083 ms

Below is generated by plot.py at 2018-07-18 05:19:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.51 Mbit/s
95th percentile per-packet one-way delay: 40.169 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 85.51 Mbit/s
95th percentile per-packet one-way delay: 40.169 ms
Loss rate: 0.82%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-18 04:09:54

End at: 2018-07-18 04:10:24

Local clock offset: 12.626 ms

Remote clock offset: 1.784 ms

Below is generated by plot.py at 2018-07-18 05:19:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.96 Mbit/s

95th percentile per-packet one-way delay: 40.158 ms

Loss rate: 1.14%

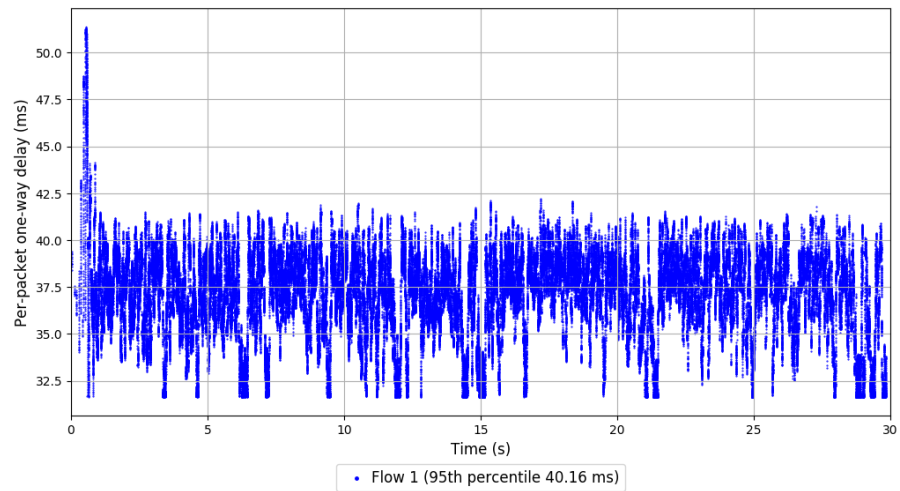
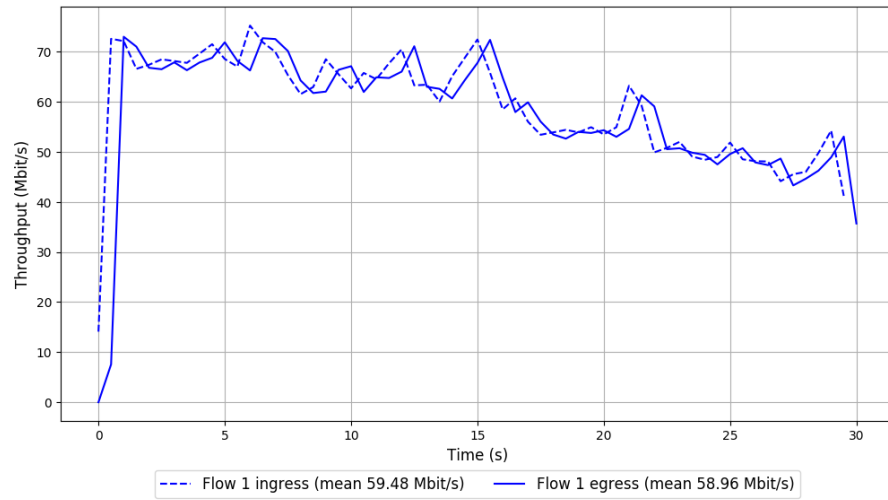
-- Flow 1:

Average throughput: 58.96 Mbit/s

95th percentile per-packet one-way delay: 40.158 ms

Loss rate: 1.14%

Run 8: Report of Indigo — Data Link

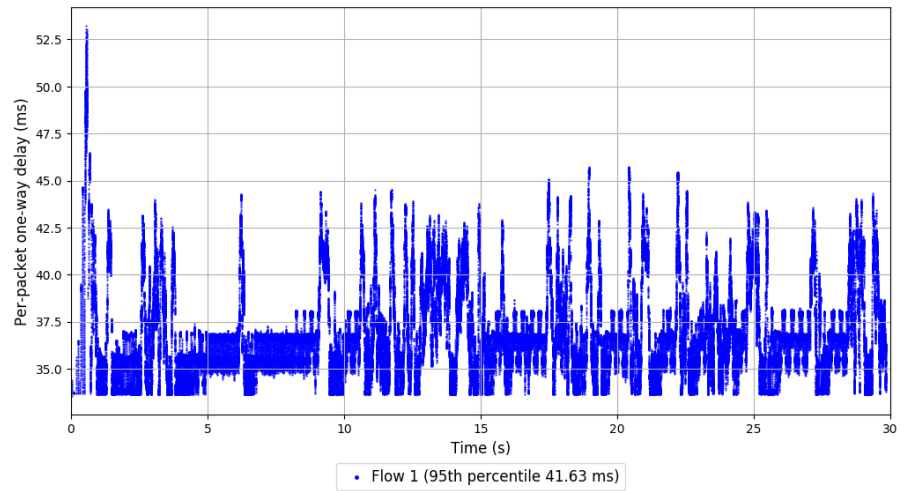
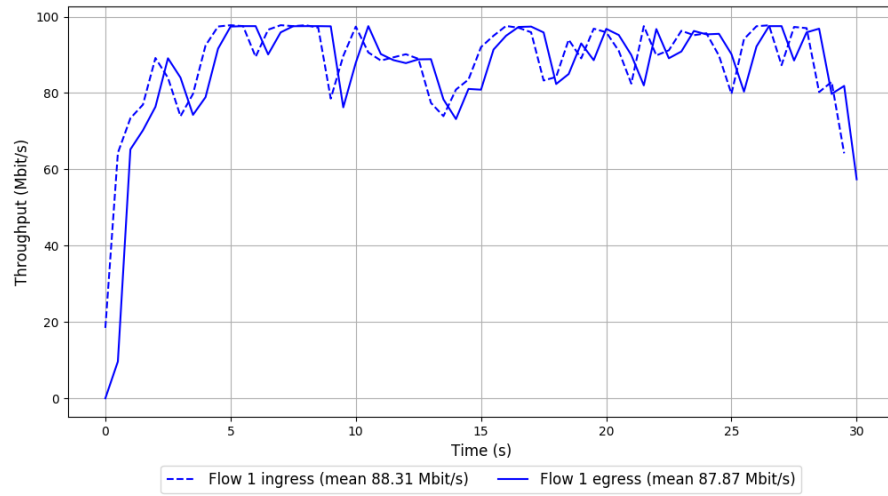


Run 9: Statistics of Indigo

Start at: 2018-07-18 04:34:49
End at: 2018-07-18 04:35:19
Local clock offset: 11.092 ms
Remote clock offset: -0.509 ms

Below is generated by plot.py at 2018-07-18 05:19:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.87 Mbit/s
95th percentile per-packet one-way delay: 41.633 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 87.87 Mbit/s
95th percentile per-packet one-way delay: 41.633 ms
Loss rate: 0.74%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-18 04:58:34

End at: 2018-07-18 04:59:04

Local clock offset: 2.464 ms

Remote clock offset: -0.83 ms

Below is generated by plot.py at 2018-07-18 05:19:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.43 Mbit/s

95th percentile per-packet one-way delay: 41.617 ms

Loss rate: 0.44%

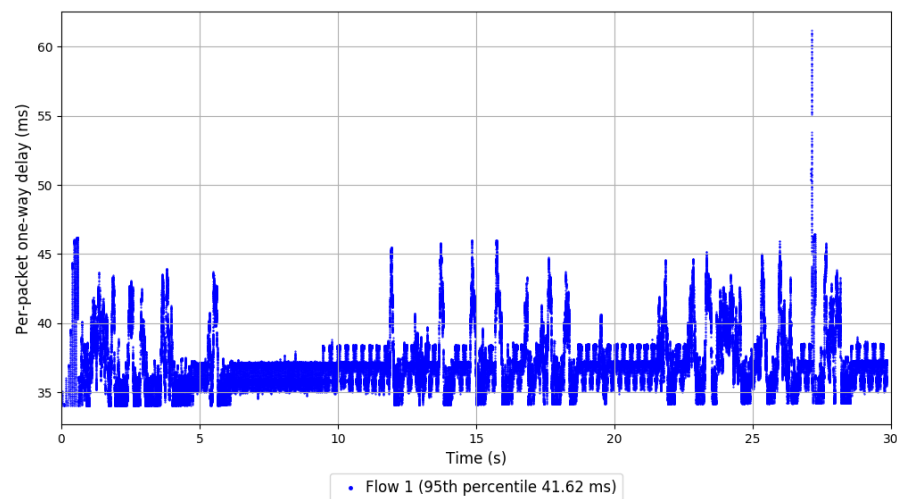
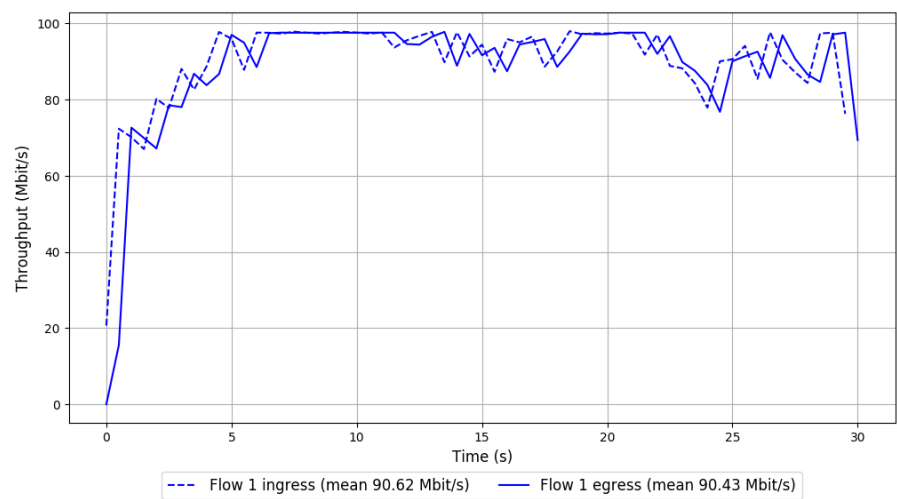
-- Flow 1:

Average throughput: 90.43 Mbit/s

95th percentile per-packet one-way delay: 41.617 ms

Loss rate: 0.44%

Run 10: Report of Indigo — Data Link

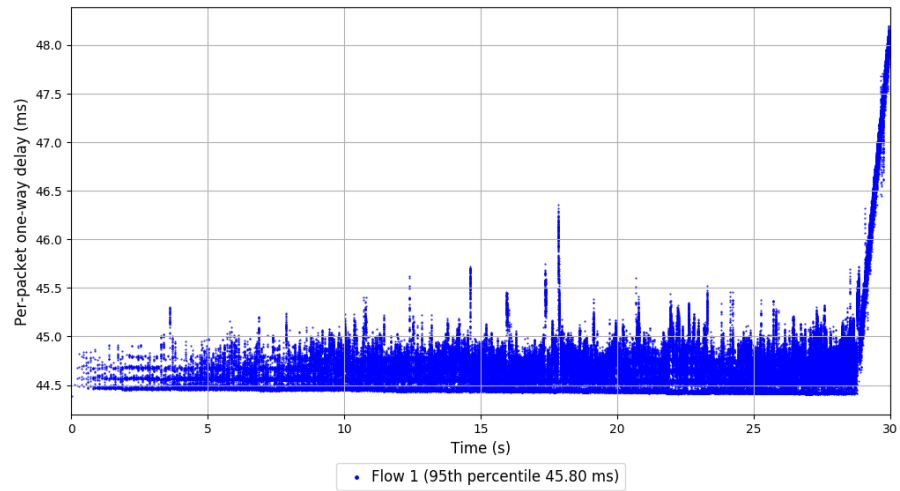
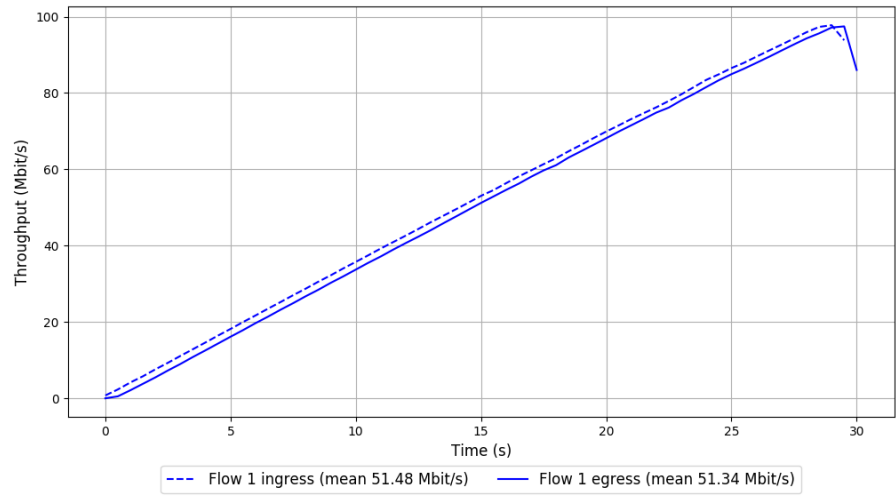


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-18 01:24:16
End at: 2018-07-18 01:24:46
Local clock offset: 0.559 ms
Remote clock offset: -0.4 ms

# Below is generated by plot.py at 2018-07-18 05:19:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.34 Mbit/s
95th percentile per-packet one-way delay: 45.800 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 51.34 Mbit/s
95th percentile per-packet one-way delay: 45.800 ms
Loss rate: 0.55%
```


Run 1: Report of LEDBAT — Data Link

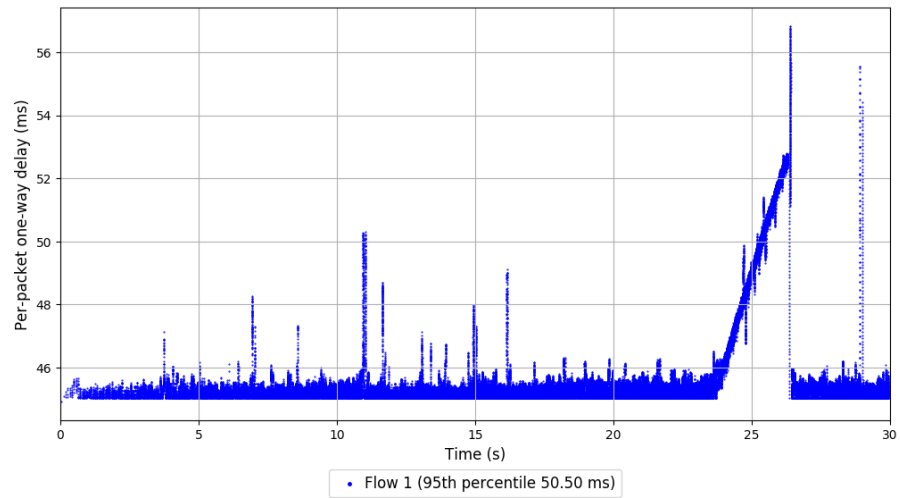
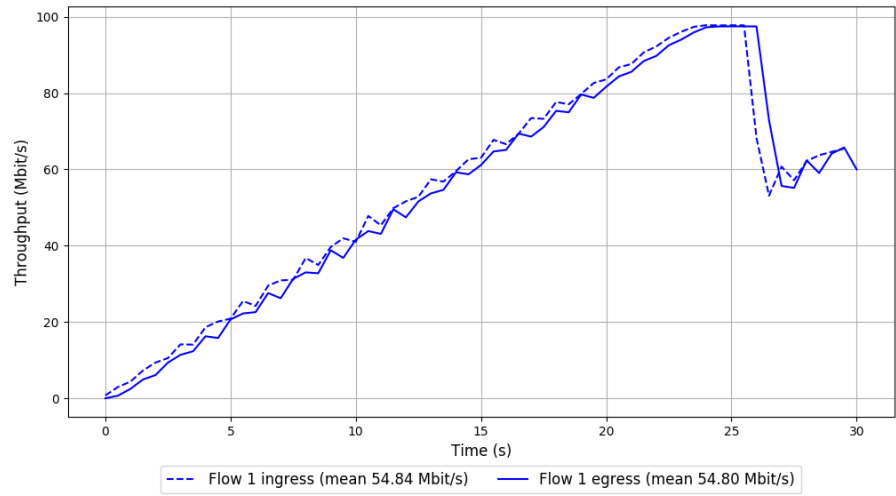


Run 2: Statistics of LEDBAT

Start at: 2018-07-18 01:46:31
End at: 2018-07-18 01:47:01
Local clock offset: 0.427 ms
Remote clock offset: -9.055 ms

Below is generated by plot.py at 2018-07-18 05:19:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 50.502 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 50.502 ms
Loss rate: 0.32%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-18 02:09:16

End at: 2018-07-18 02:09:46

Local clock offset: 0.843 ms

Remote clock offset: 1.908 ms

Below is generated by plot.py at 2018-07-18 05:19:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.13 Mbit/s

95th percentile per-packet one-way delay: 32.297 ms

Loss rate: 0.29%

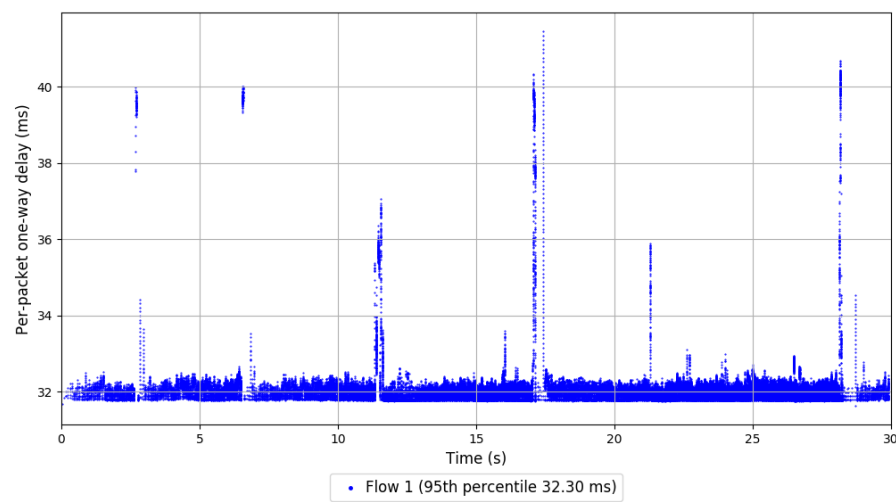
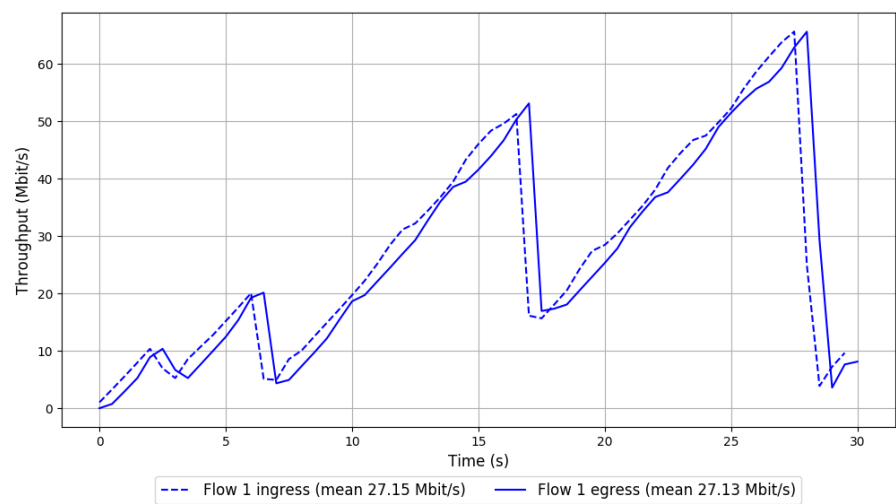
-- Flow 1:

Average throughput: 27.13 Mbit/s

95th percentile per-packet one-way delay: 32.297 ms

Loss rate: 0.29%

Run 3: Report of LEDBAT — Data Link

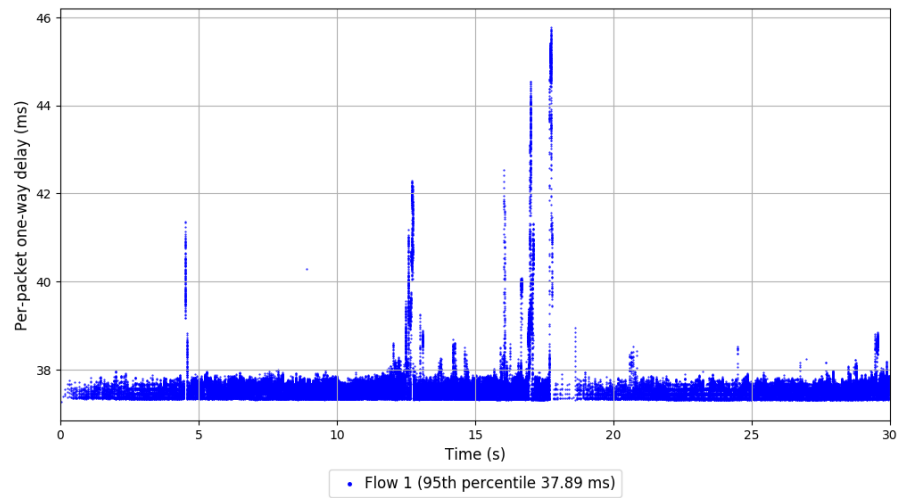
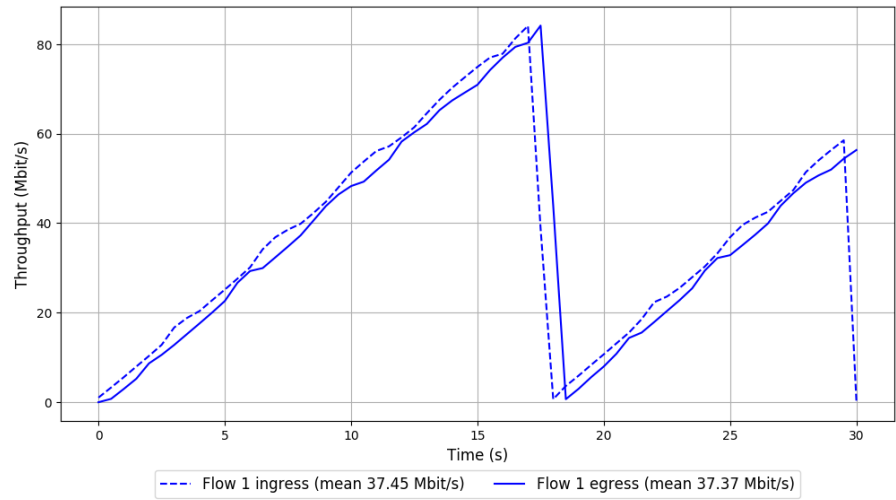


Run 4: Statistics of LEDBAT

Start at: 2018-07-18 02:32:47
End at: 2018-07-18 02:33:17
Local clock offset: 0.874 ms
Remote clock offset: -3.466 ms

Below is generated by plot.py at 2018-07-18 05:19:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.37 Mbit/s
95th percentile per-packet one-way delay: 37.889 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 37.37 Mbit/s
95th percentile per-packet one-way delay: 37.889 ms
Loss rate: 0.43%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-18 02:56:19

End at: 2018-07-18 02:56:49

Local clock offset: 1.154 ms

Remote clock offset: 1.908 ms

Below is generated by plot.py at 2018-07-18 05:19:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.28 Mbit/s

95th percentile per-packet one-way delay: 34.550 ms

Loss rate: 0.12%

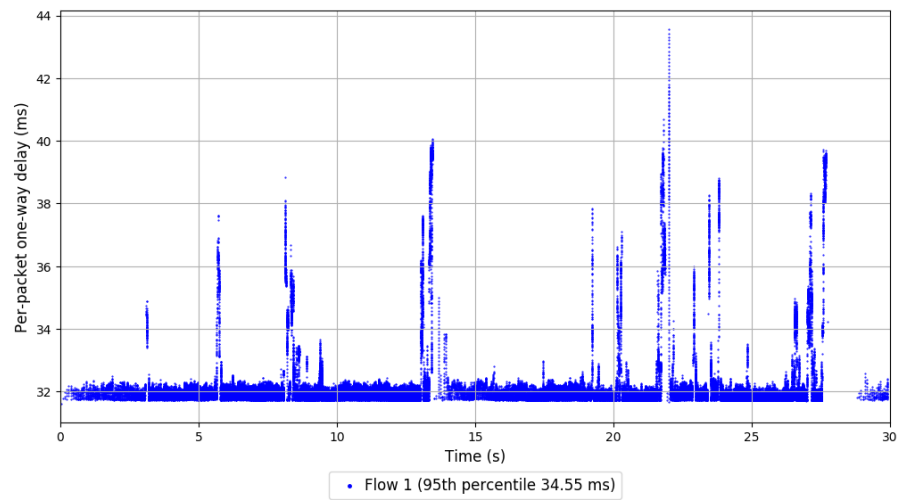
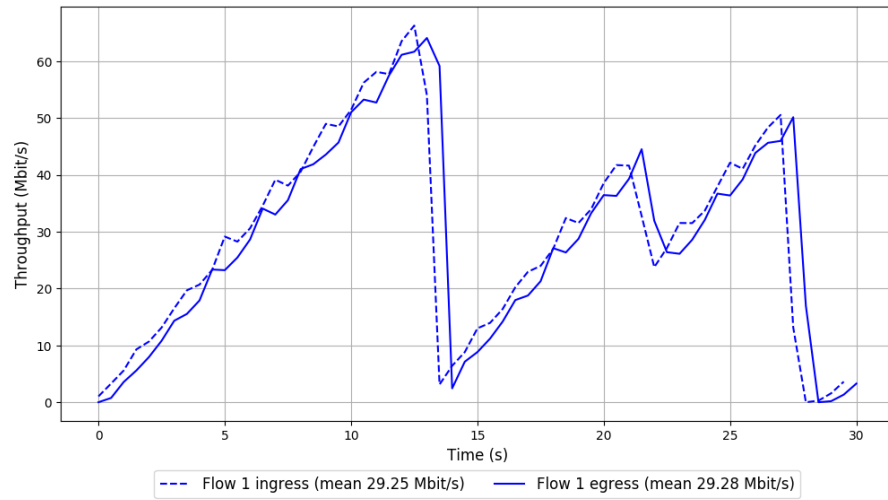
-- Flow 1:

Average throughput: 29.28 Mbit/s

95th percentile per-packet one-way delay: 34.550 ms

Loss rate: 0.12%

Run 5: Report of LEDBAT — Data Link

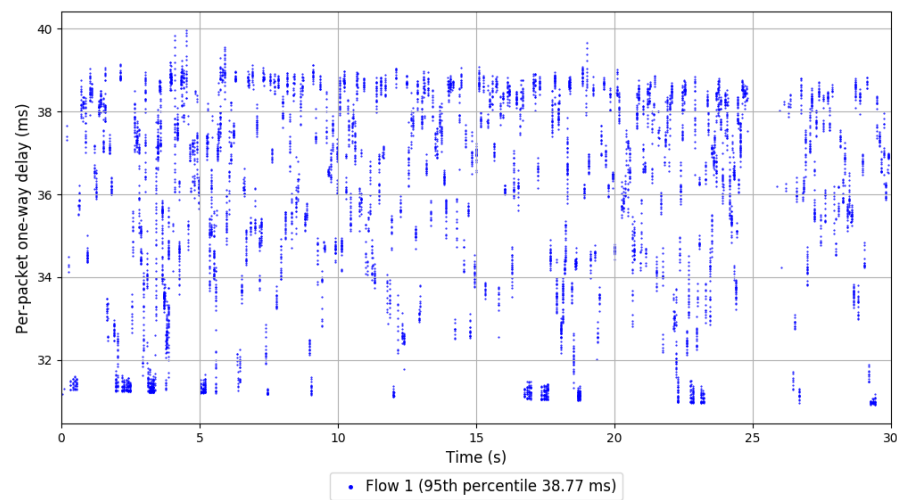
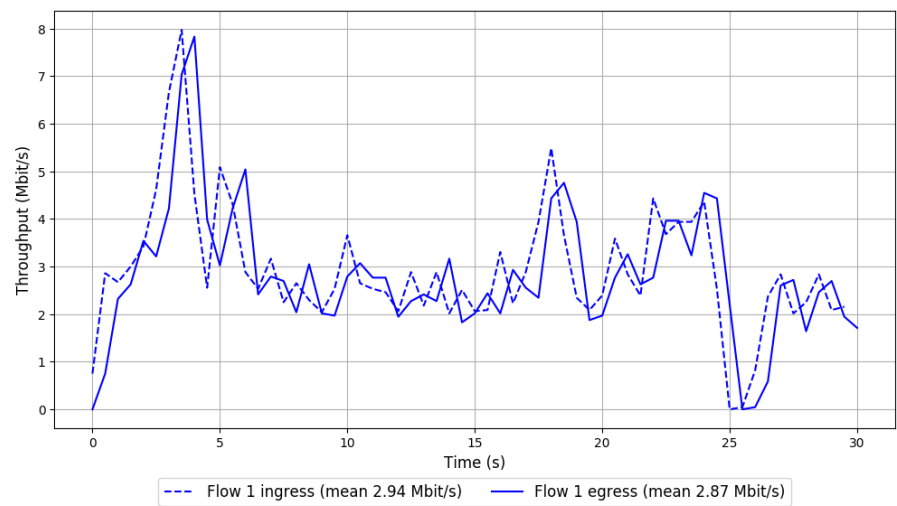


Run 6: Statistics of LEDBAT

Start at: 2018-07-18 03:22:43
End at: 2018-07-18 03:23:13
Local clock offset: 5.947 ms
Remote clock offset: -3.137 ms

Below is generated by plot.py at 2018-07-18 05:19:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 38.775 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 38.775 ms
Loss rate: 2.66%

Run 6: Report of LEDBAT — Data Link

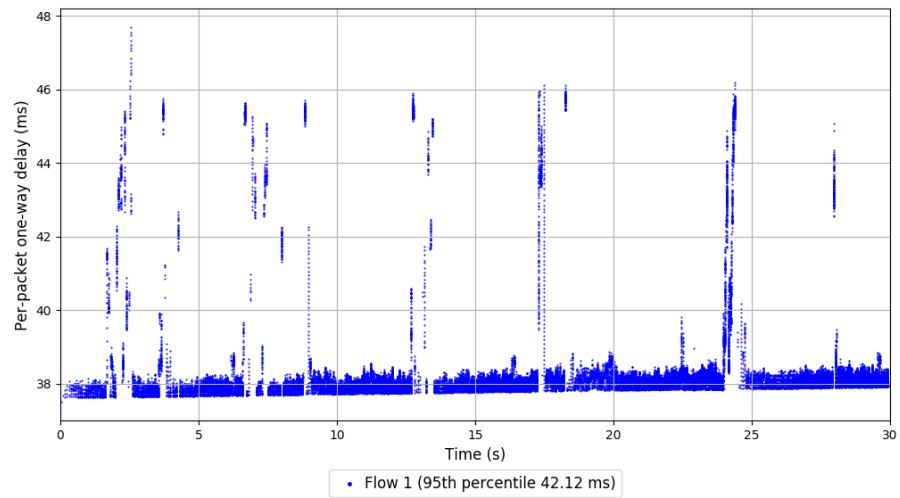
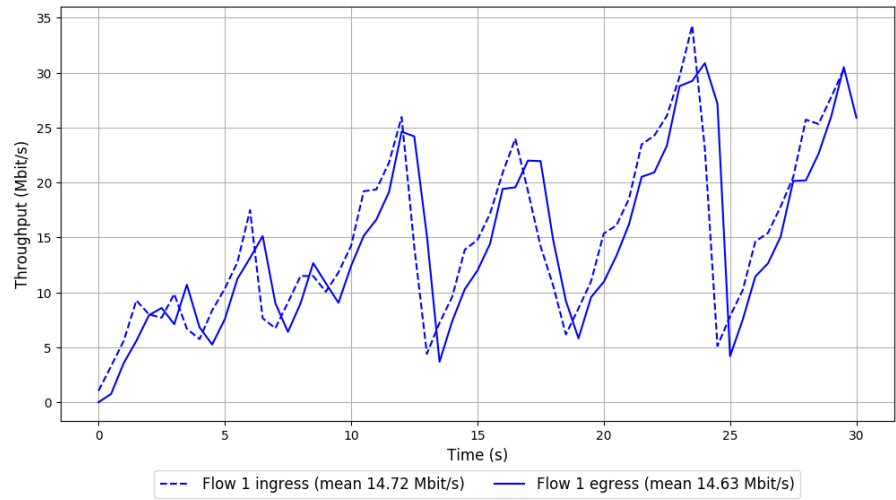


Run 7: Statistics of LEDBAT

Start at: 2018-07-18 03:47:41
End at: 2018-07-18 03:48:11
Local clock offset: 13.408 ms
Remote clock offset: -7.314 ms

Below is generated by plot.py at 2018-07-18 05:19:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.63 Mbit/s
95th percentile per-packet one-way delay: 42.120 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 14.63 Mbit/s
95th percentile per-packet one-way delay: 42.120 ms
Loss rate: 0.80%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-18 04:13:48

End at: 2018-07-18 04:14:18

Local clock offset: 13.011 ms

Remote clock offset: 2.96 ms

Below is generated by plot.py at 2018-07-18 05:19:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.71 Mbit/s

95th percentile per-packet one-way delay: 38.365 ms

Loss rate: 1.91%

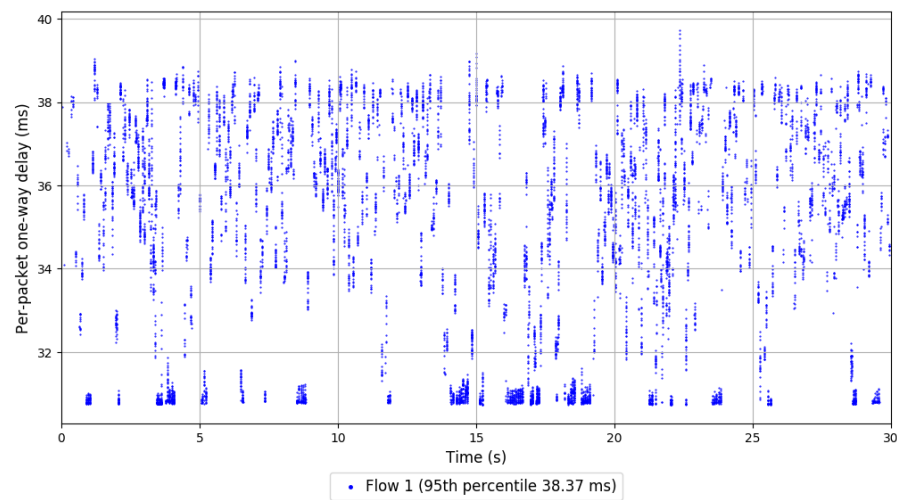
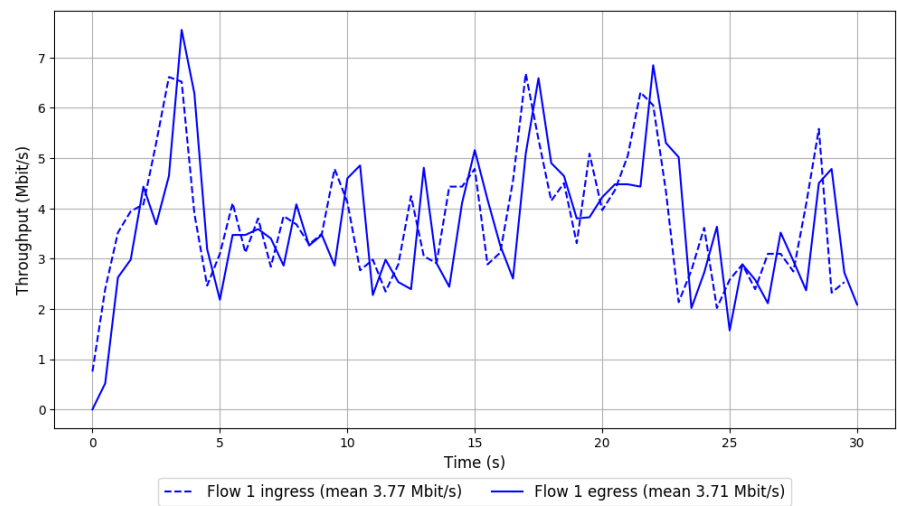
-- Flow 1:

Average throughput: 3.71 Mbit/s

95th percentile per-packet one-way delay: 38.365 ms

Loss rate: 1.91%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-18 04:37:54

End at: 2018-07-18 04:38:24

Local clock offset: 11.112 ms

Remote clock offset: 0.787 ms

Below is generated by plot.py at 2018-07-18 05:19:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.72 Mbit/s

95th percentile per-packet one-way delay: 35.979 ms

Loss rate: 0.74%

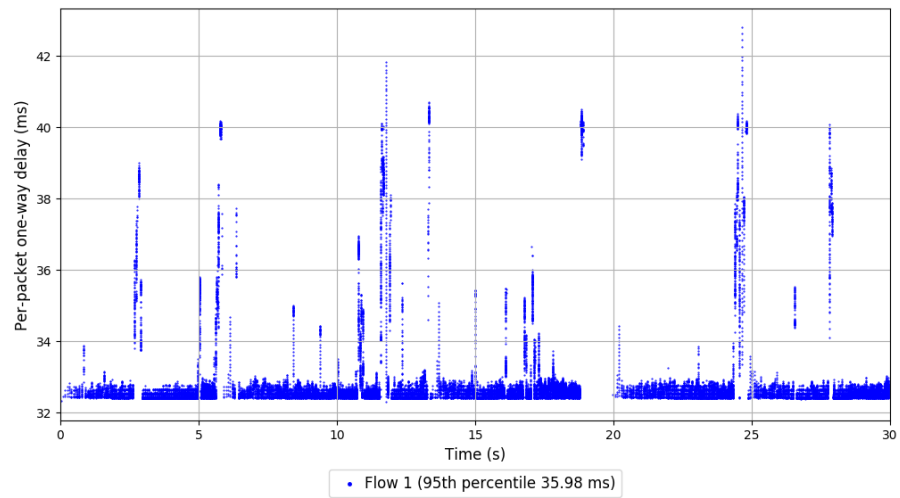
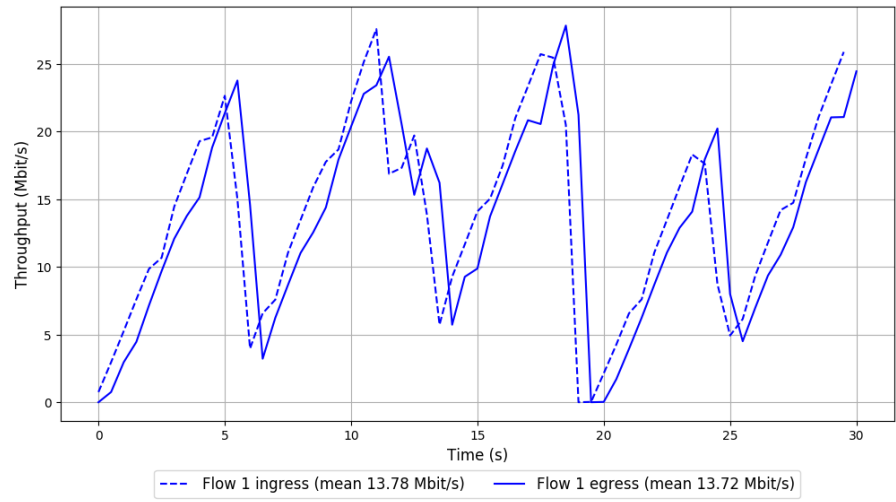
-- Flow 1:

Average throughput: 13.72 Mbit/s

95th percentile per-packet one-way delay: 35.979 ms

Loss rate: 0.74%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-18 05:01:56

End at: 2018-07-18 05:02:26

Local clock offset: 1.164 ms

Remote clock offset: 2.379 ms

Below is generated by plot.py at 2018-07-18 05:19:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.39 Mbit/s

95th percentile per-packet one-way delay: 38.371 ms

Loss rate: 1.56%

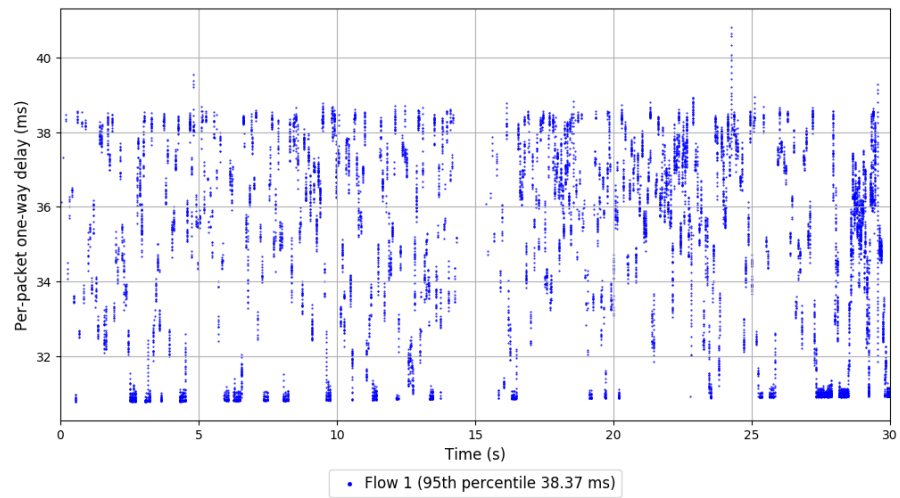
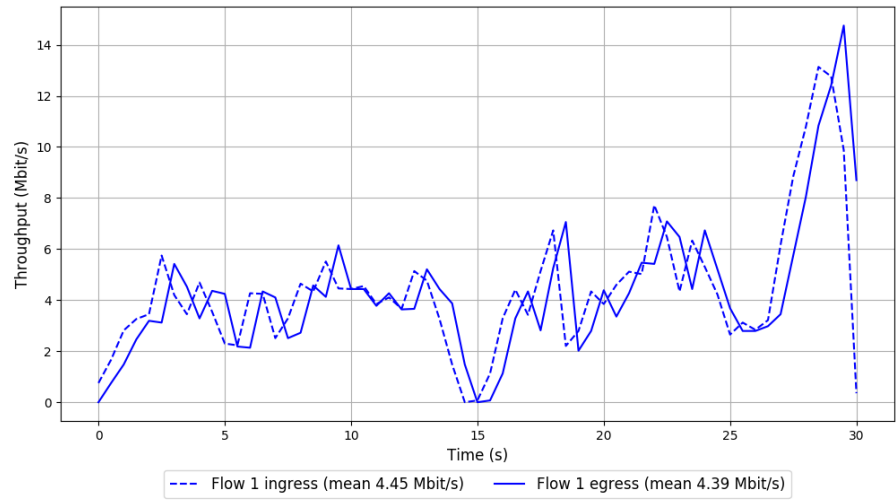
-- Flow 1:

Average throughput: 4.39 Mbit/s

95th percentile per-packet one-way delay: 38.371 ms

Loss rate: 1.56%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-18 01:16:18

End at: 2018-07-18 01:16:49

Local clock offset: 0.582 ms

Remote clock offset: -8.495 ms

Below is generated by plot.py at 2018-07-18 05:20:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.94 Mbit/s

95th percentile per-packet one-way delay: 69.778 ms

Loss rate: 0.34%

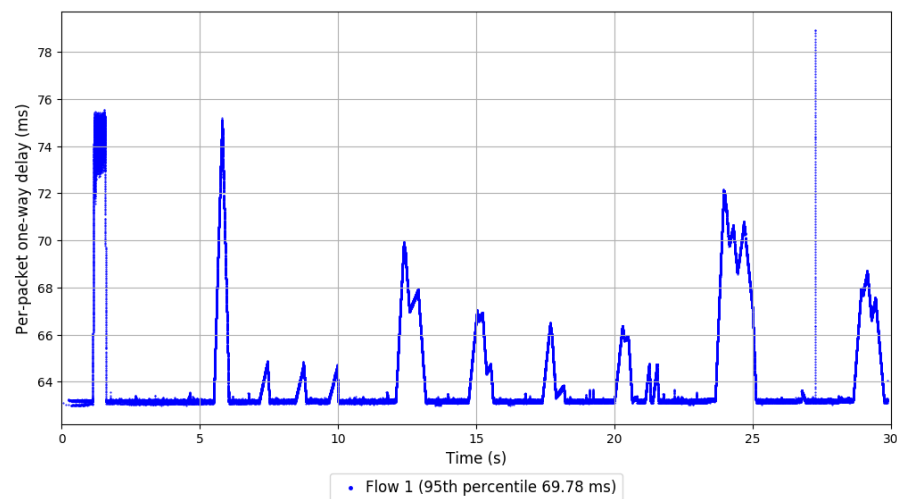
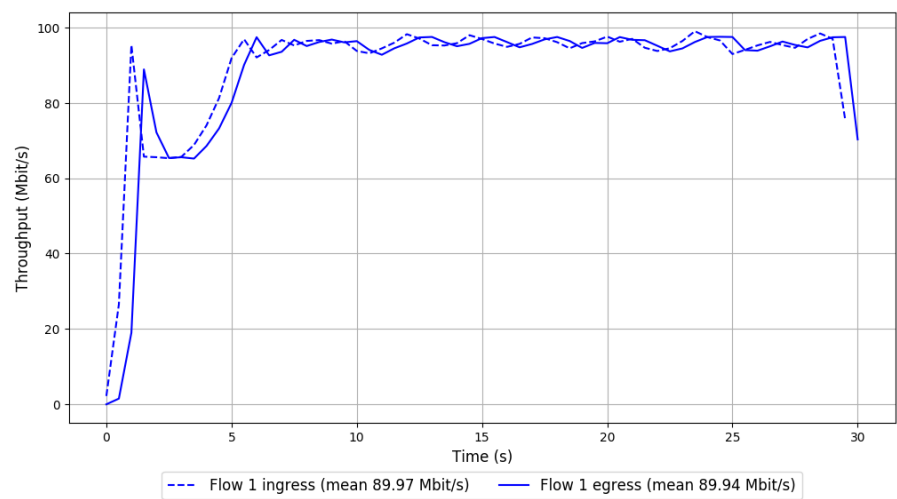
-- Flow 1:

Average throughput: 89.94 Mbit/s

95th percentile per-packet one-way delay: 69.778 ms

Loss rate: 0.34%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-18 01:38:35

End at: 2018-07-18 01:39:05

Local clock offset: 0.494 ms

Remote clock offset: -5.476 ms

Below is generated by plot.py at 2018-07-18 05:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.17 Mbit/s

95th percentile per-packet one-way delay: 37.518 ms

Loss rate: 0.24%

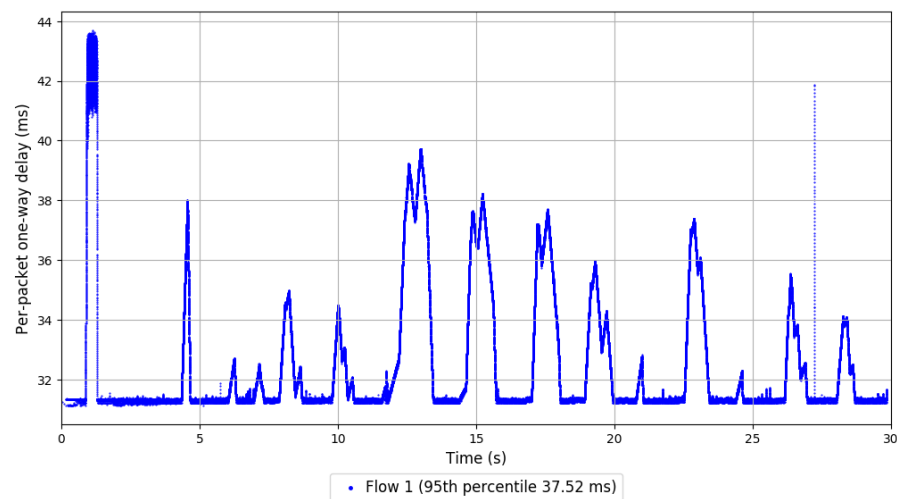
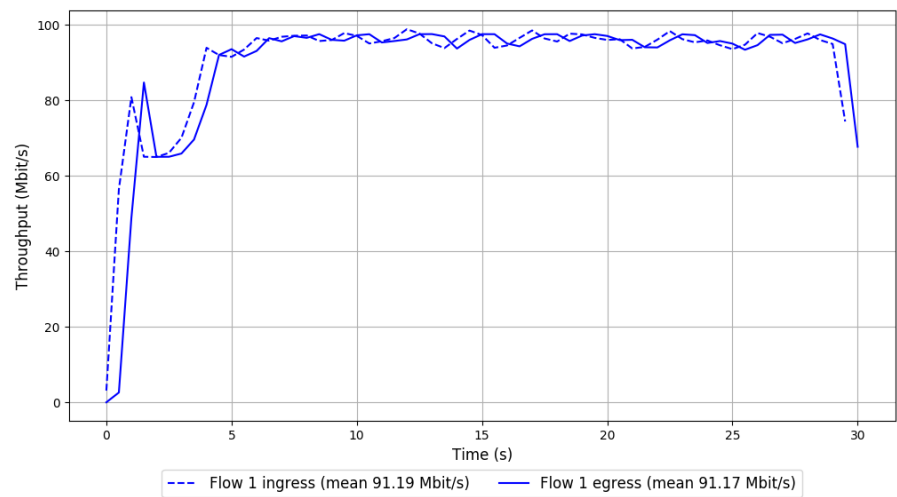
-- Flow 1:

Average throughput: 91.17 Mbit/s

95th percentile per-packet one-way delay: 37.518 ms

Loss rate: 0.24%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-18 02:01:05

End at: 2018-07-18 02:01:35

Local clock offset: 0.73 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-07-18 05:20:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 45.222 ms

Loss rate: 0.37%

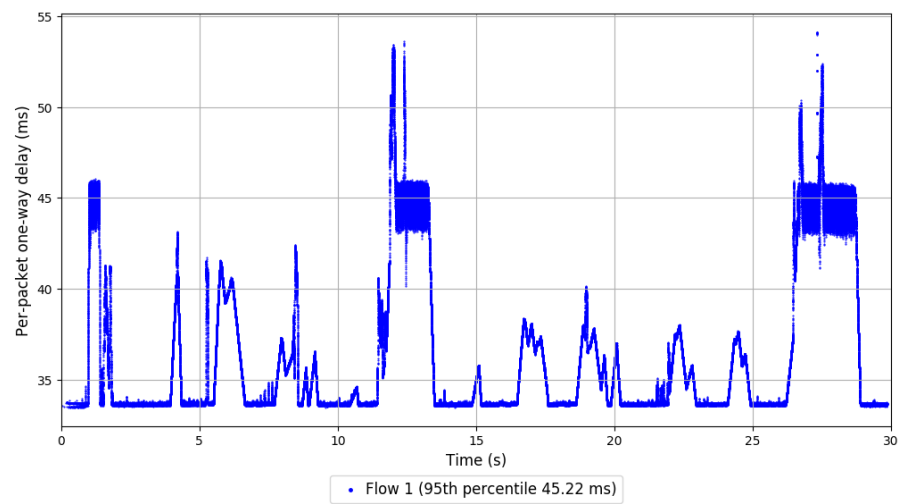
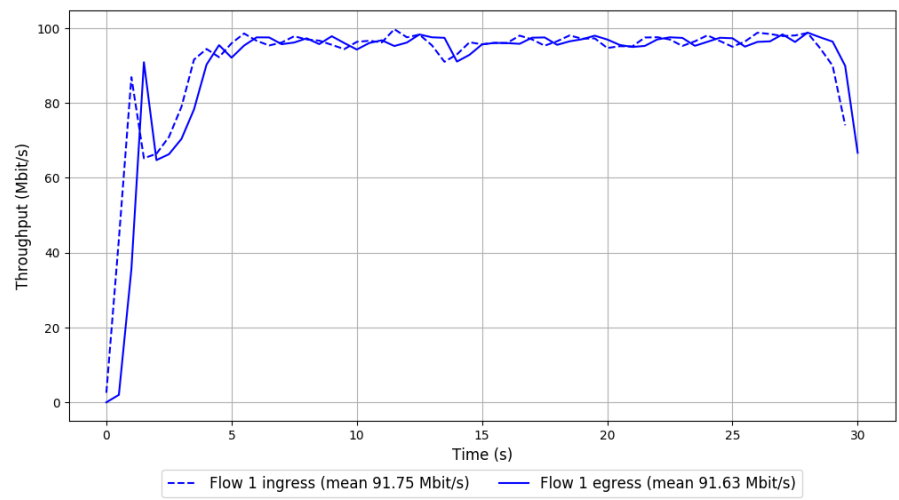
-- Flow 1:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 45.222 ms

Loss rate: 0.37%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-18 02:24:09

End at: 2018-07-18 02:24:39

Local clock offset: 0.784 ms

Remote clock offset: 1.915 ms

Below is generated by plot.py at 2018-07-18 05:20:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.56 Mbit/s

95th percentile per-packet one-way delay: 43.273 ms

Loss rate: 0.49%

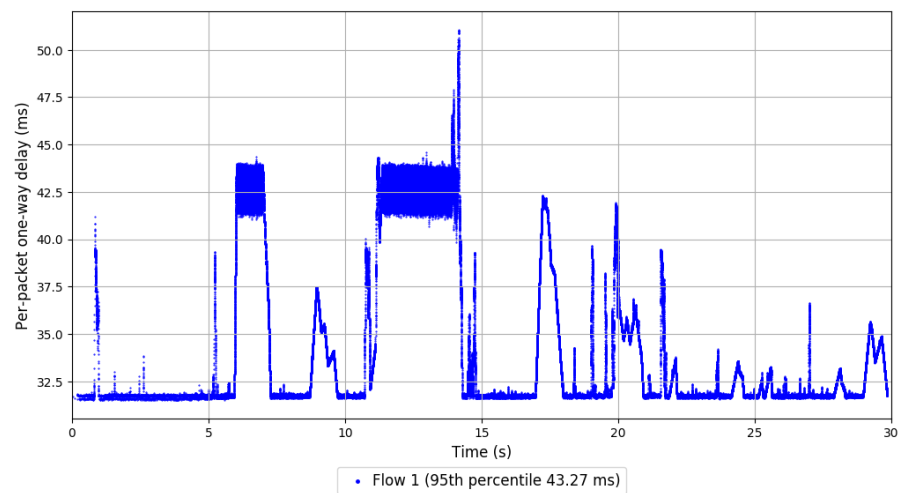
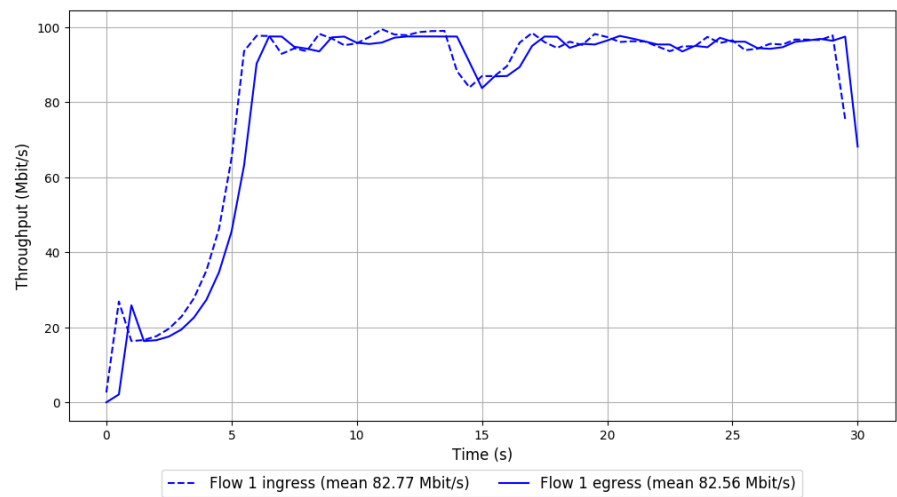
-- Flow 1:

Average throughput: 82.56 Mbit/s

95th percentile per-packet one-way delay: 43.273 ms

Loss rate: 0.49%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-18 02:47:51

End at: 2018-07-18 02:48:21

Local clock offset: 0.921 ms

Remote clock offset: 1.116 ms

Below is generated by plot.py at 2018-07-18 05:20:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.16 Mbit/s

95th percentile per-packet one-way delay: 40.035 ms

Loss rate: 0.56%

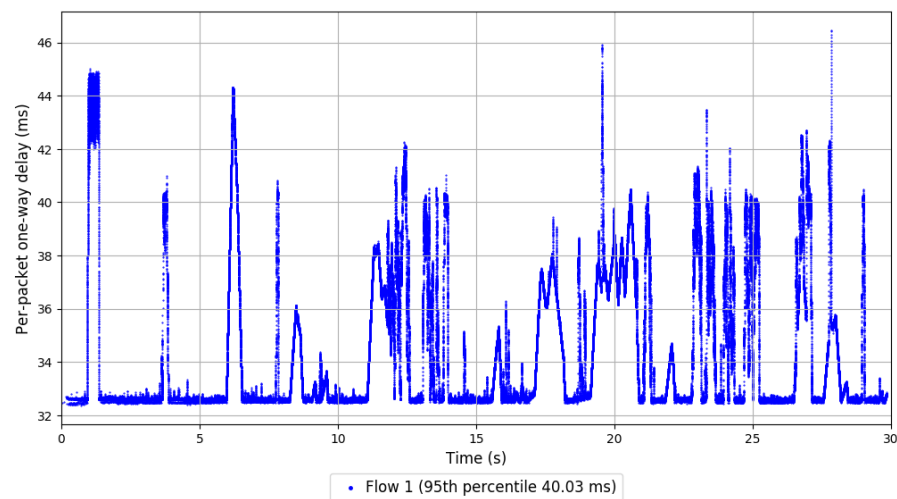
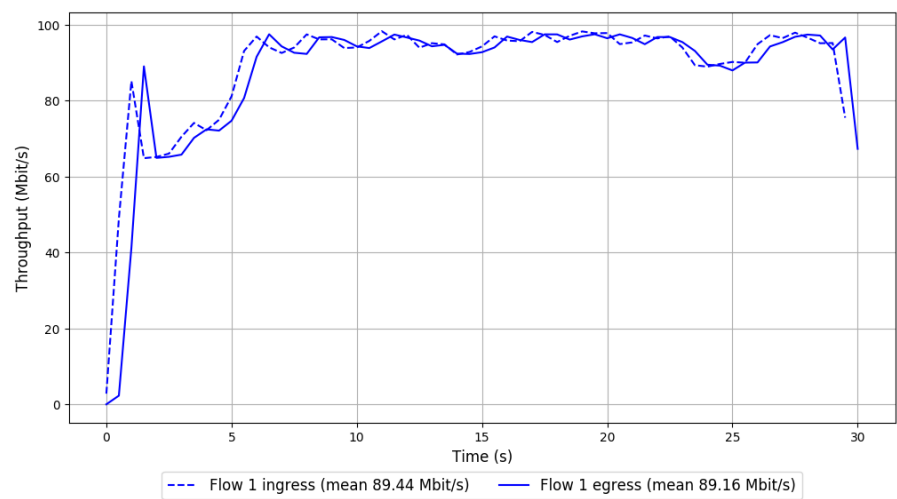
-- Flow 1:

Average throughput: 89.16 Mbit/s

95th percentile per-packet one-way delay: 40.035 ms

Loss rate: 0.56%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-18 03:13:06

End at: 2018-07-18 03:13:36

Local clock offset: 1.359 ms

Remote clock offset: 0.449 ms

Below is generated by plot.py at 2018-07-18 05:20:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.79 Mbit/s

95th percentile per-packet one-way delay: 37.716 ms

Loss rate: 0.89%

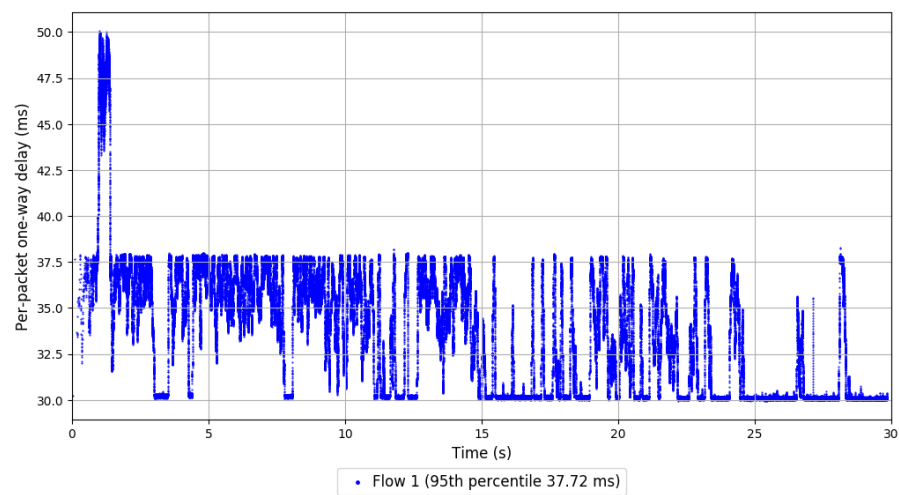
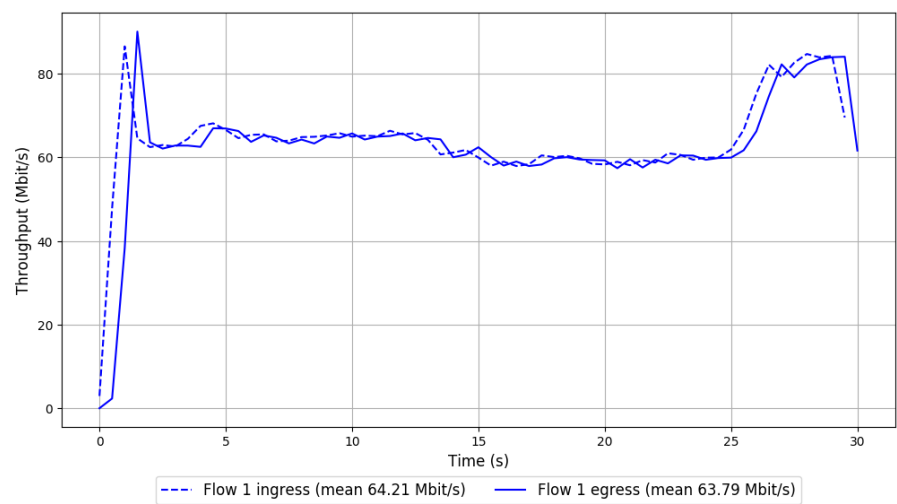
-- Flow 1:

Average throughput: 63.79 Mbit/s

95th percentile per-packet one-way delay: 37.716 ms

Loss rate: 0.89%

Run 6: Report of PCC-Allegro — Data Link

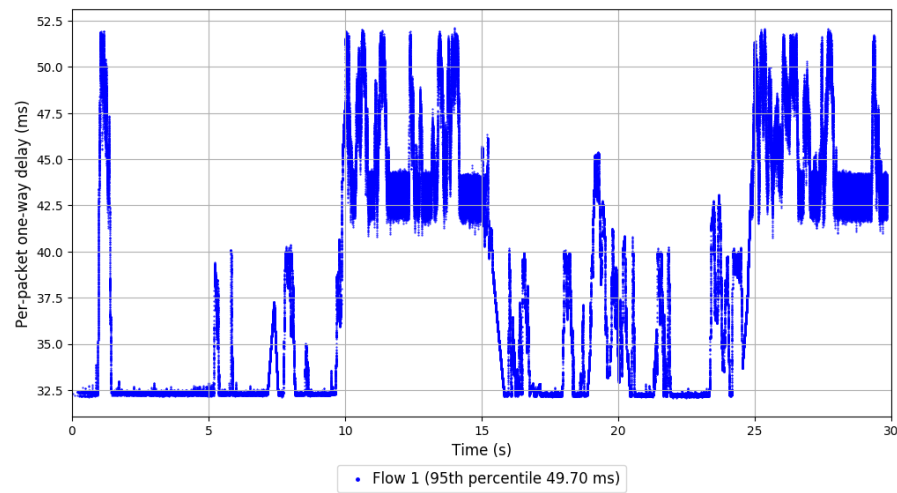
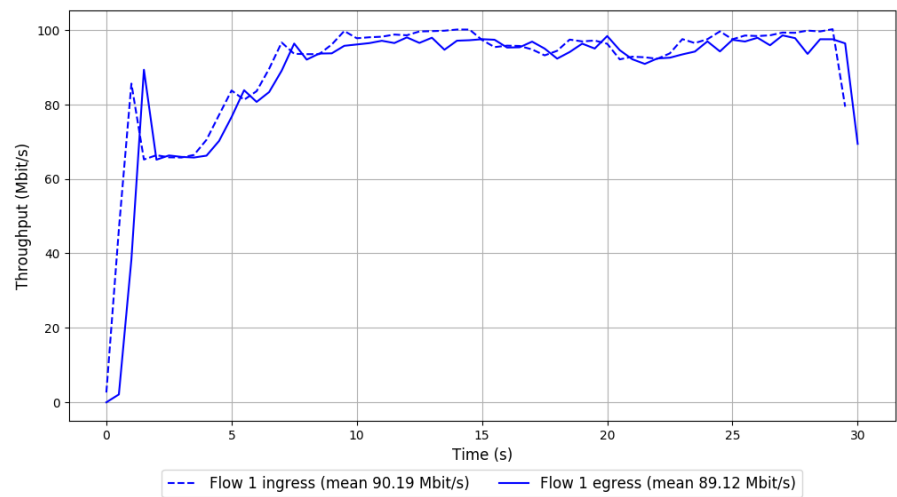


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-18 03:39:07
End at: 2018-07-18 03:39:37
Local clock offset: 11.983 ms
Remote clock offset: -6.069 ms

Below is generated by plot.py at 2018-07-18 05:20:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 49.700 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 49.700 ms
Loss rate: 1.44%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-18 04:03:29

End at: 2018-07-18 04:03:59

Local clock offset: 12.357 ms

Remote clock offset: 1.642 ms

Below is generated by plot.py at 2018-07-18 05:20:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.86 Mbit/s

95th percentile per-packet one-way delay: 39.031 ms

Loss rate: 1.12%

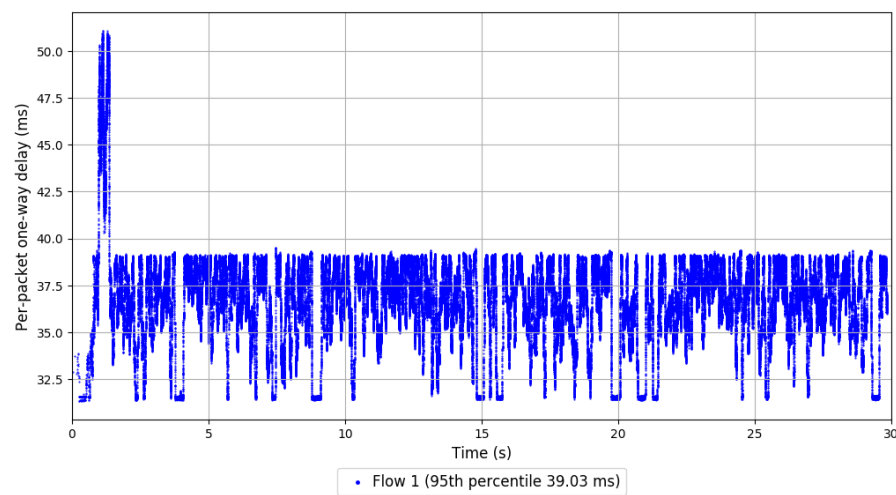
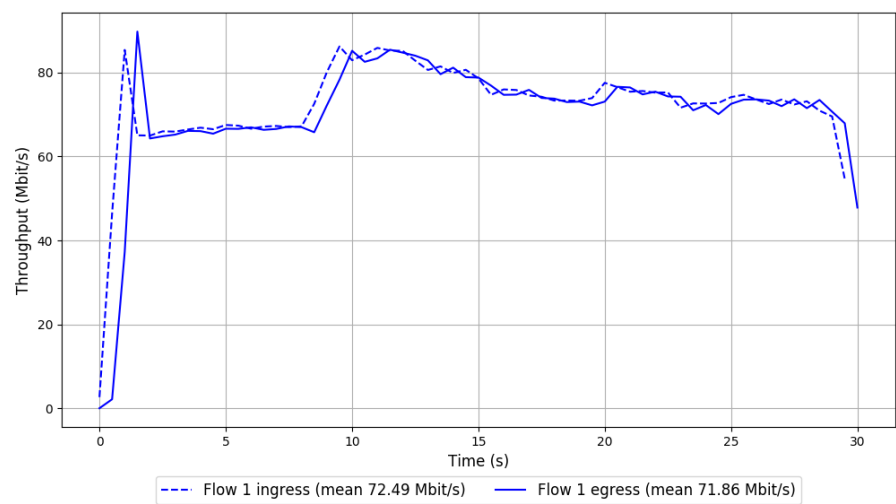
-- Flow 1:

Average throughput: 71.86 Mbit/s

95th percentile per-packet one-way delay: 39.031 ms

Loss rate: 1.12%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-18 04:29:22

End at: 2018-07-18 04:29:52

Local clock offset: 11.235 ms

Remote clock offset: 2.795 ms

Below is generated by plot.py at 2018-07-18 05:21:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.59 Mbit/s

95th percentile per-packet one-way delay: 39.973 ms

Loss rate: 0.60%

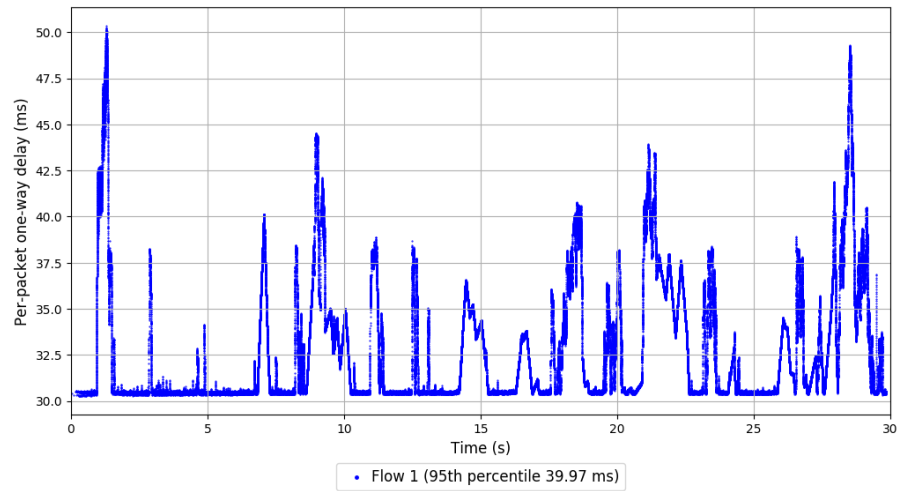
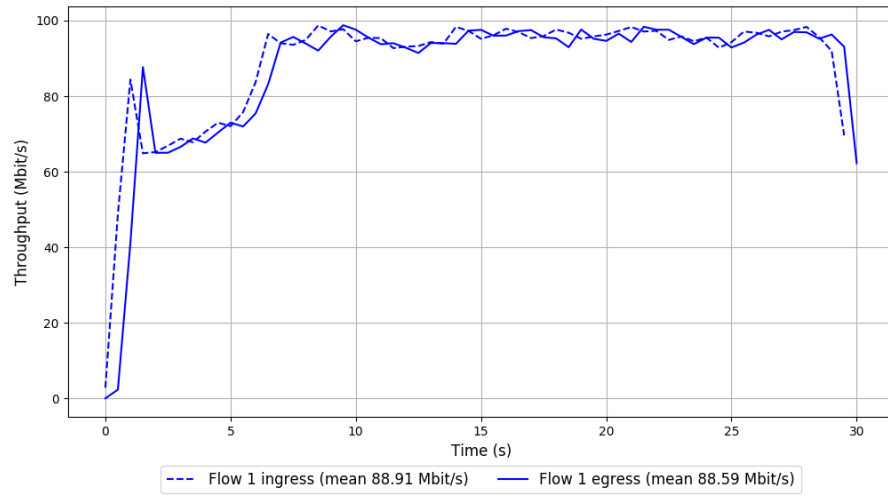
-- Flow 1:

Average throughput: 88.59 Mbit/s

95th percentile per-packet one-way delay: 39.973 ms

Loss rate: 0.60%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-18 04:53:08

End at: 2018-07-18 04:53:38

Local clock offset: 5.475 ms

Remote clock offset: -4.238 ms

Below is generated by plot.py at 2018-07-18 05:21:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.06 Mbit/s

95th percentile per-packet one-way delay: 49.201 ms

Loss rate: 0.67%

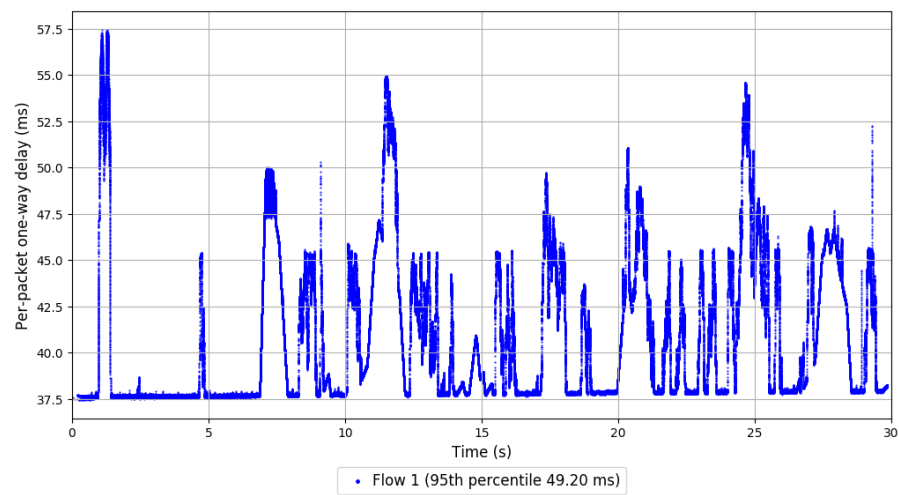
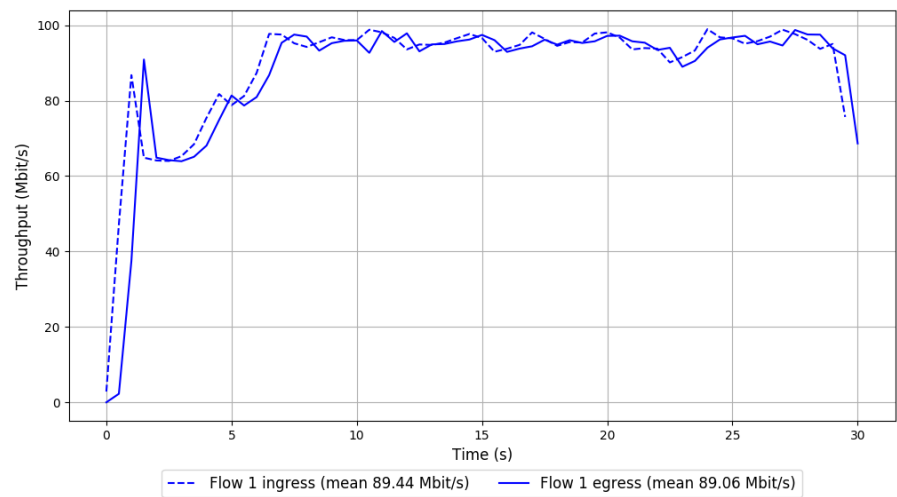
-- Flow 1:

Average throughput: 89.06 Mbit/s

95th percentile per-packet one-way delay: 49.201 ms

Loss rate: 0.67%

Run 10: Report of PCC-Allegro — Data Link

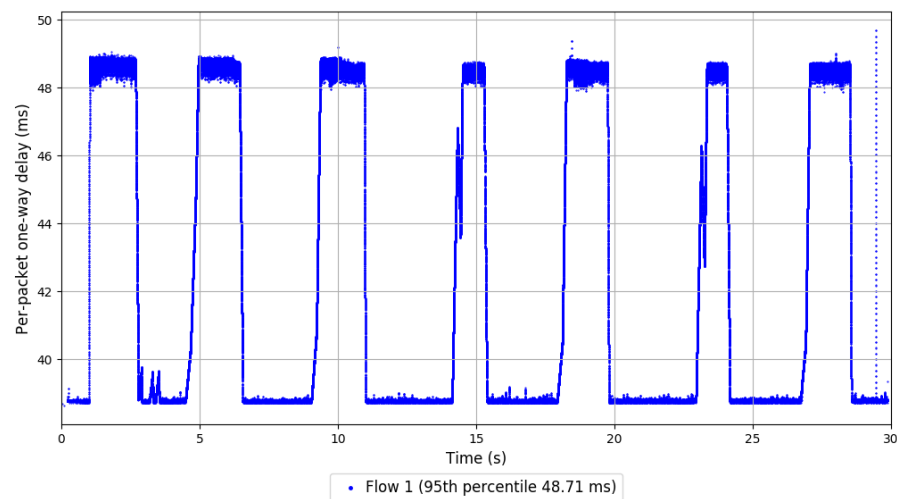
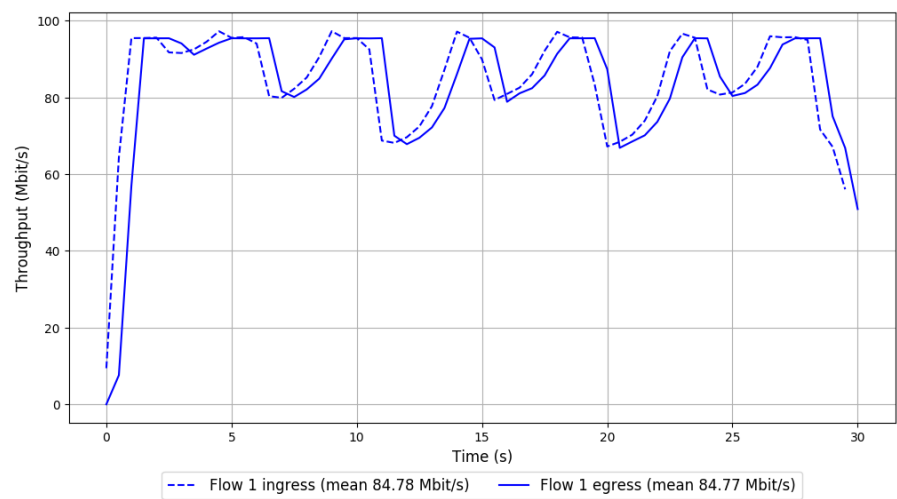


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-18 01:18:55
End at: 2018-07-18 01:19:25
Local clock offset: 0.48 ms
Remote clock offset: -2.641 ms

# Below is generated by plot.py at 2018-07-18 05:22:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.77 Mbit/s
95th percentile per-packet one-way delay: 48.714 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 84.77 Mbit/s
95th percentile per-packet one-way delay: 48.714 ms
Loss rate: 0.26%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-18 01:41:11

End at: 2018-07-18 01:41:41

Local clock offset: 0.501 ms

Remote clock offset: 1.849 ms

Below is generated by plot.py at 2018-07-18 05:22:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 61.547 ms

Loss rate: 0.46%

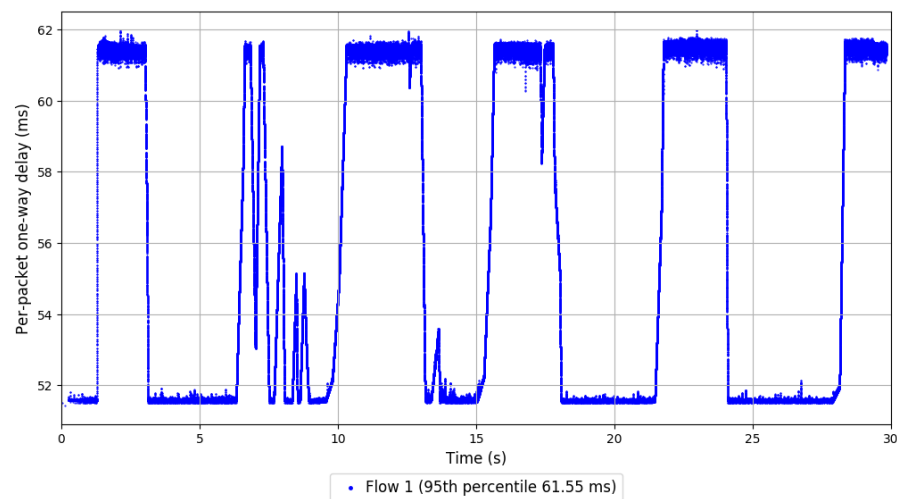
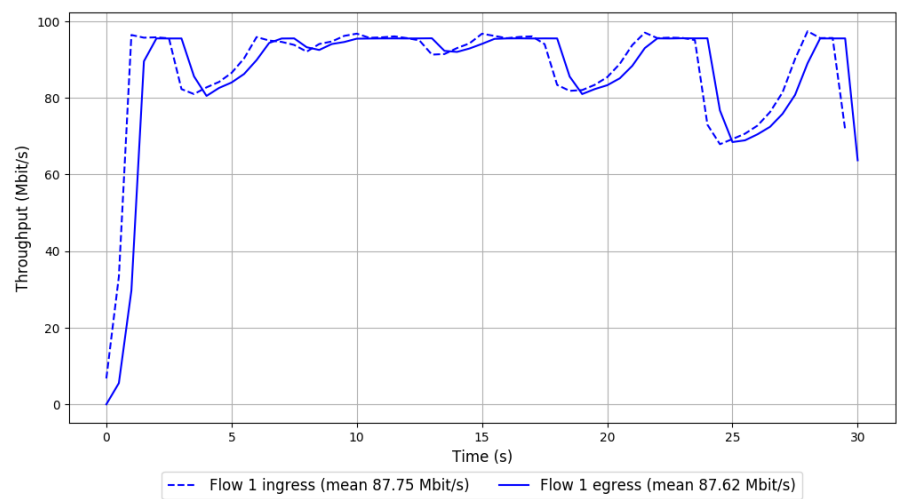
-- Flow 1:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 61.547 ms

Loss rate: 0.46%

Run 2: Report of PCC-Expr — Data Link

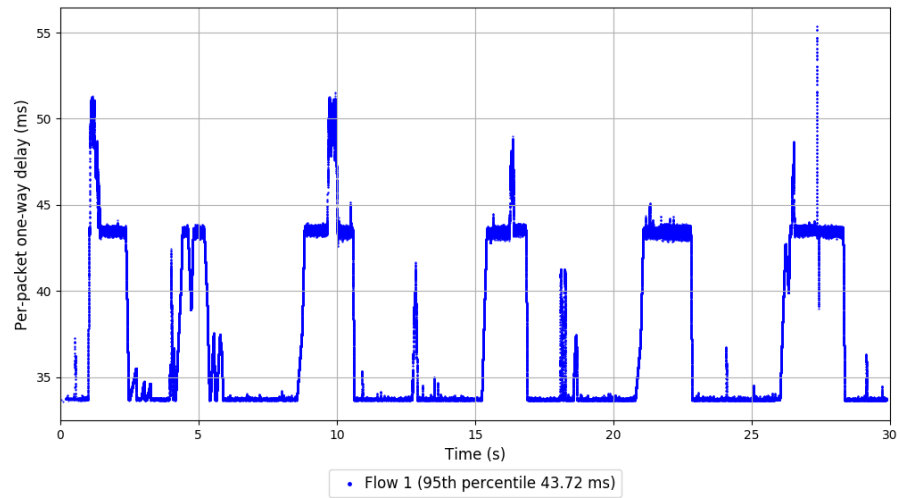
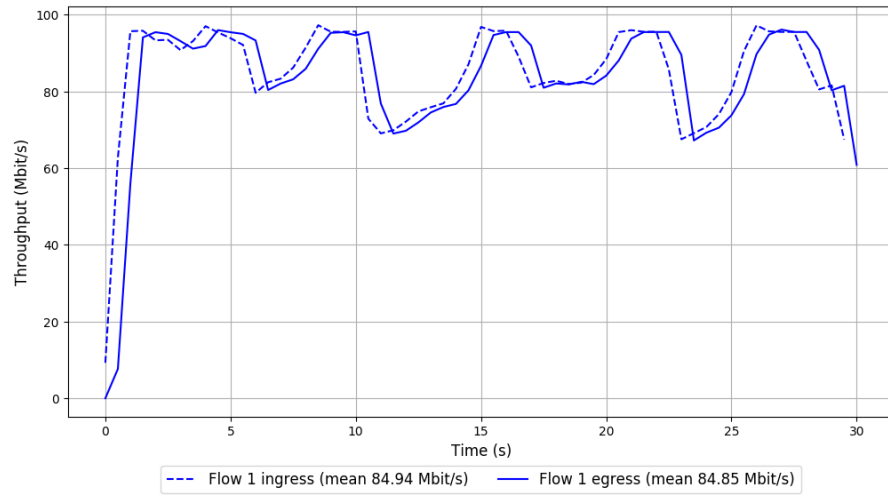


Run 3: Statistics of PCC-Expr

Start at: 2018-07-18 02:03:43
End at: 2018-07-18 02:04:13
Local clock offset: 0.811 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-18 05:22:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 43.719 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 43.719 ms
Loss rate: 0.35%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-18 02:26:56

End at: 2018-07-18 02:27:26

Local clock offset: 0.893 ms

Remote clock offset: 2.006 ms

Below is generated by plot.py at 2018-07-18 05:22:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.90 Mbit/s

95th percentile per-packet one-way delay: 41.753 ms

Loss rate: 0.55%

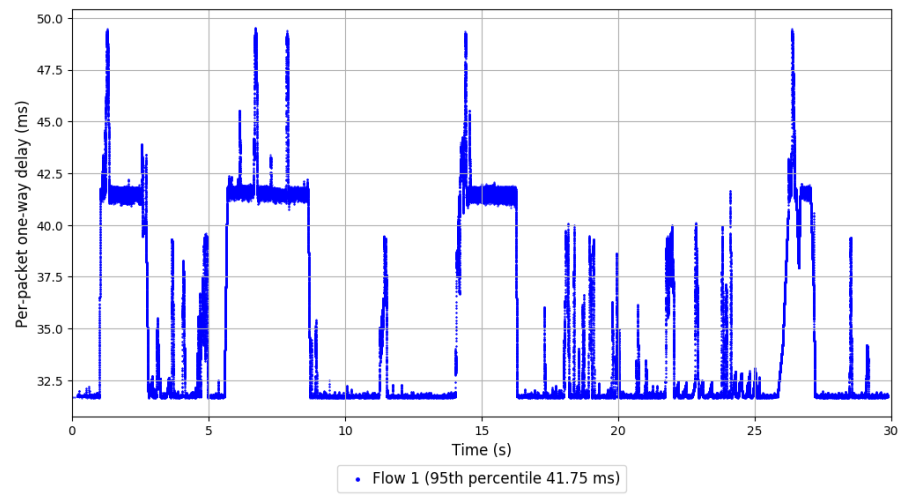
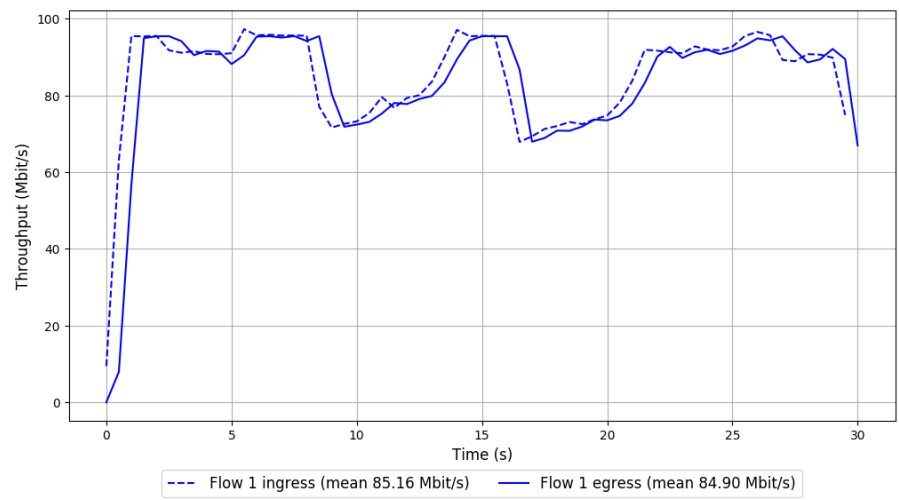
-- Flow 1:

Average throughput: 84.90 Mbit/s

95th percentile per-packet one-way delay: 41.753 ms

Loss rate: 0.55%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-18 02:50:33

End at: 2018-07-18 02:51:03

Local clock offset: 1.002 ms

Remote clock offset: 3.148 ms

Below is generated by plot.py at 2018-07-18 05:22:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.78 Mbit/s

95th percentile per-packet one-way delay: 40.710 ms

Loss rate: 0.63%

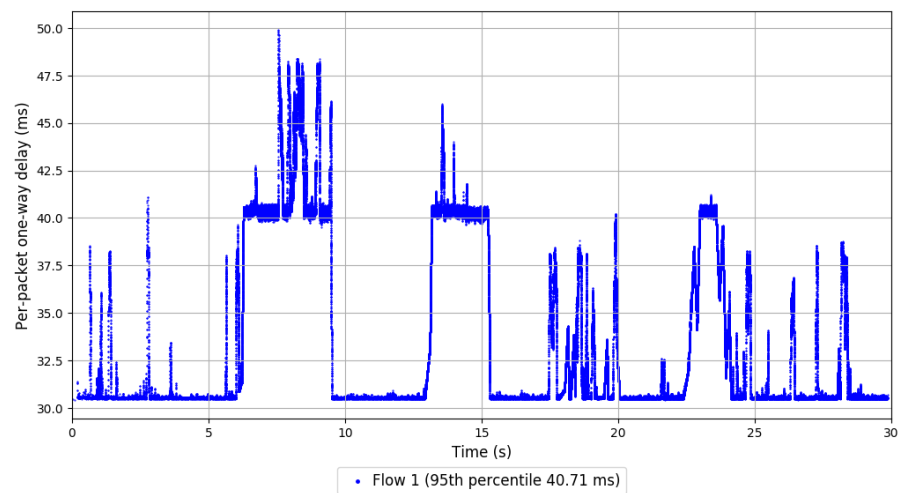
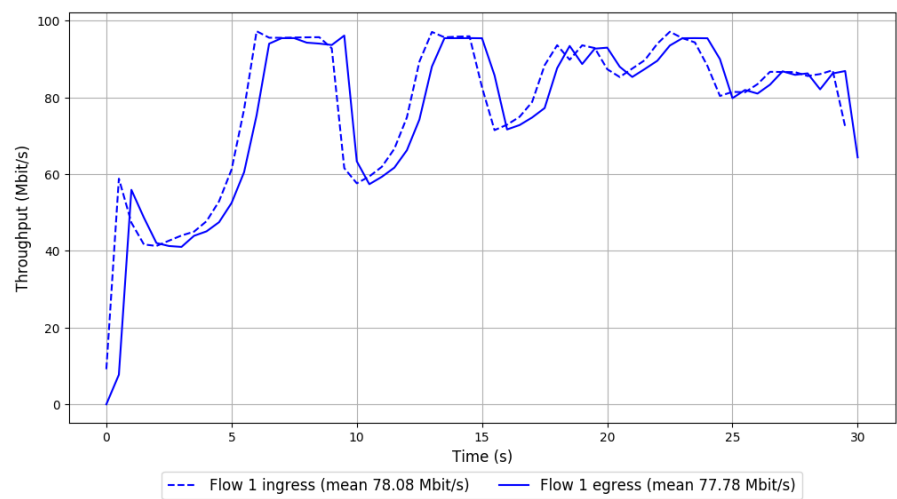
-- Flow 1:

Average throughput: 77.78 Mbit/s

95th percentile per-packet one-way delay: 40.710 ms

Loss rate: 0.63%

Run 5: Report of PCC-Expr — Data Link

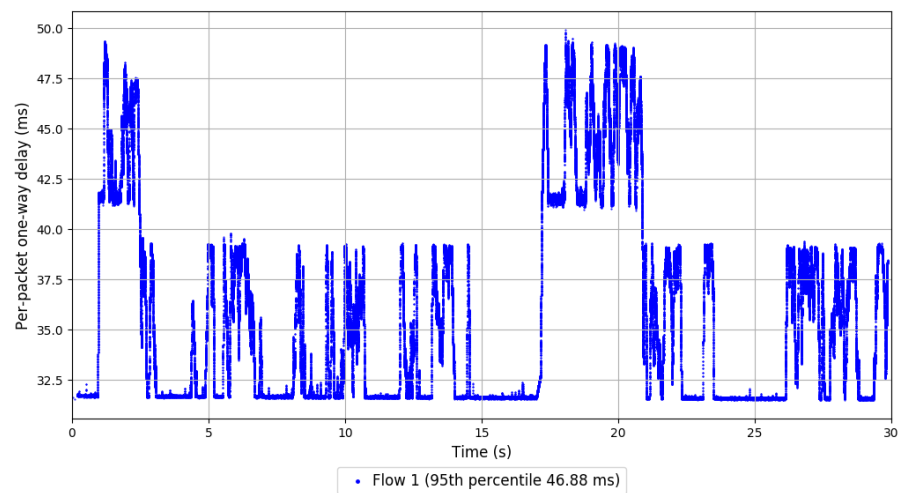
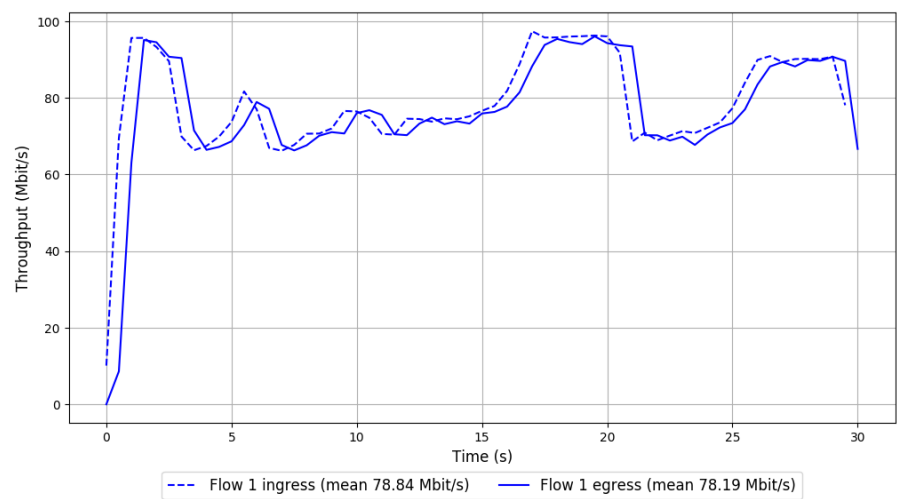


Run 6: Statistics of PCC-Expr

Start at: 2018-07-18 03:15:50
End at: 2018-07-18 03:16:20
Local clock offset: 1.378 ms
Remote clock offset: -1.773 ms

Below is generated by plot.py at 2018-07-18 05:22:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.19 Mbit/s
95th percentile per-packet one-way delay: 46.883 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 78.19 Mbit/s
95th percentile per-packet one-way delay: 46.883 ms
Loss rate: 1.07%

Run 6: Report of PCC-Expr — Data Link

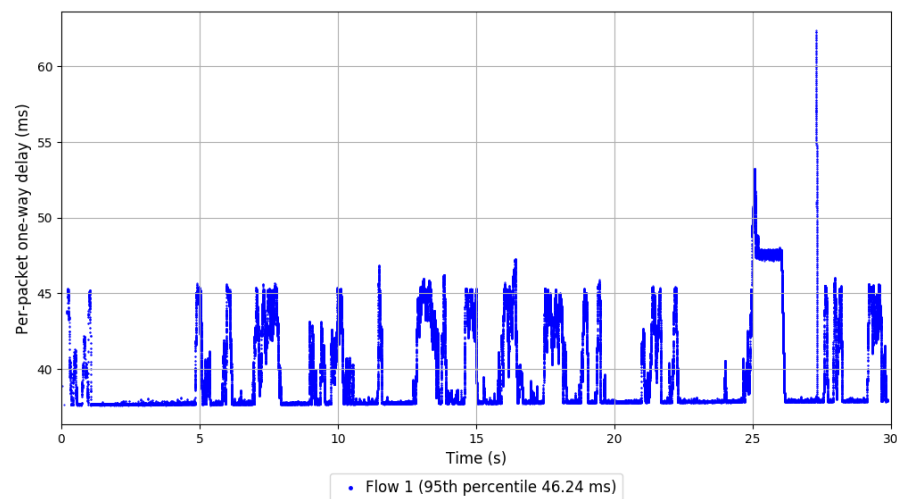
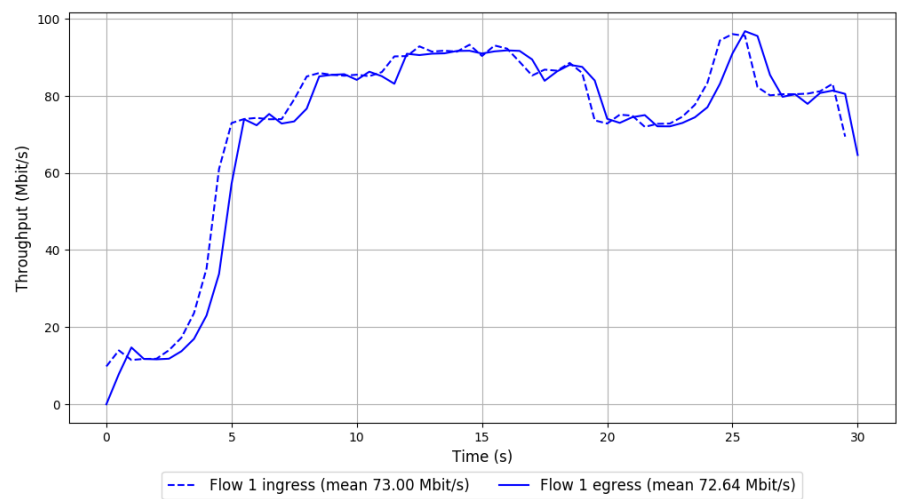


Run 7: Statistics of PCC-Expr

Start at: 2018-07-18 03:41:51
End at: 2018-07-18 03:42:21
Local clock offset: 12.547 ms
Remote clock offset: -10.736 ms

Below is generated by plot.py at 2018-07-18 05:22:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.64 Mbit/s
95th percentile per-packet one-way delay: 46.240 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 72.64 Mbit/s
95th percentile per-packet one-way delay: 46.240 ms
Loss rate: 0.74%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-18 04:06:27

End at: 2018-07-18 04:06:57

Local clock offset: 12.487 ms

Remote clock offset: 2.386 ms

Below is generated by plot.py at 2018-07-18 05:23:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.45 Mbit/s

95th percentile per-packet one-way delay: 46.324 ms

Loss rate: 1.08%

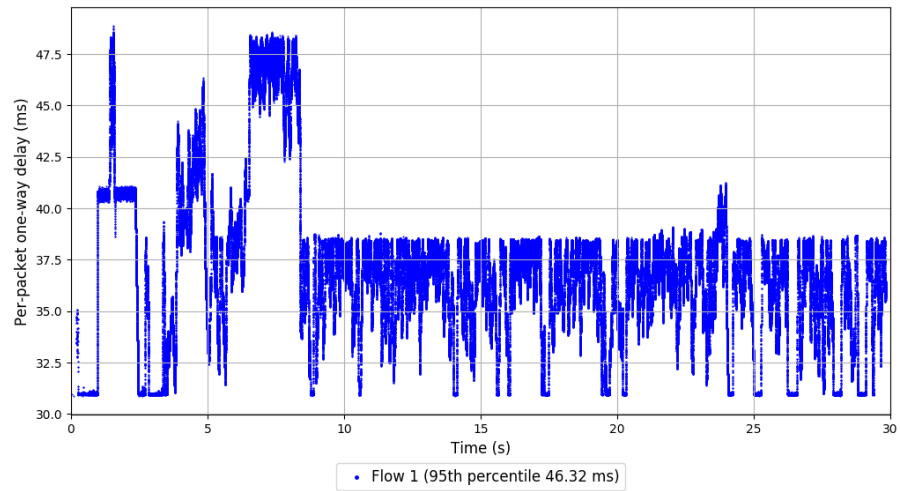
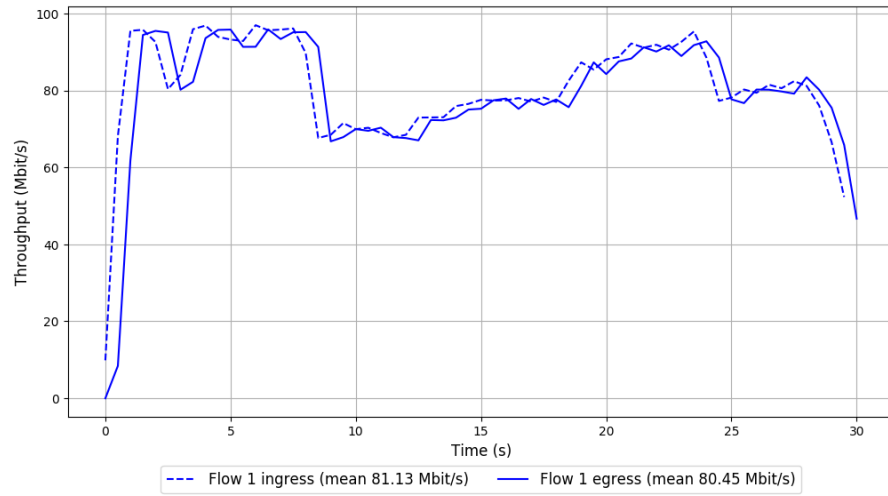
-- Flow 1:

Average throughput: 80.45 Mbit/s

95th percentile per-packet one-way delay: 46.324 ms

Loss rate: 1.08%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-18 04:32:04

End at: 2018-07-18 04:32:34

Local clock offset: 11.229 ms

Remote clock offset: 1.566 ms

Below is generated by plot.py at 2018-07-18 05:23:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.69 Mbit/s

95th percentile per-packet one-way delay: 41.685 ms

Loss rate: 0.74%

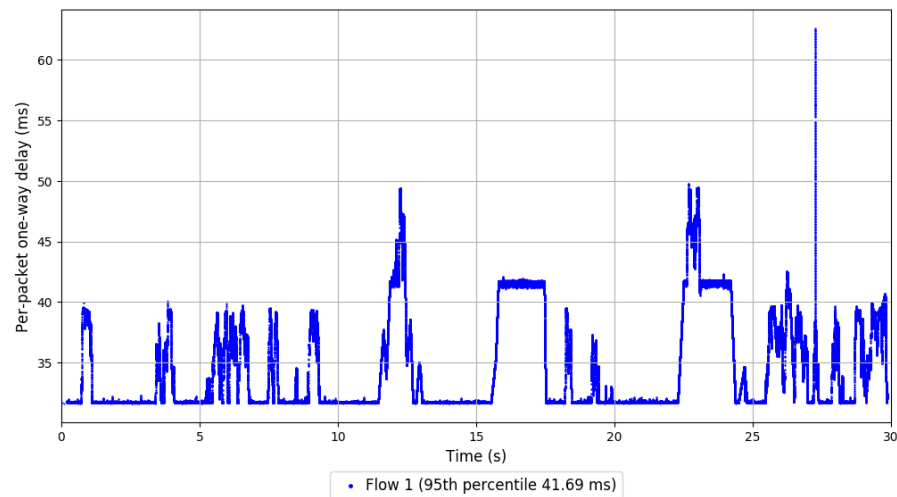
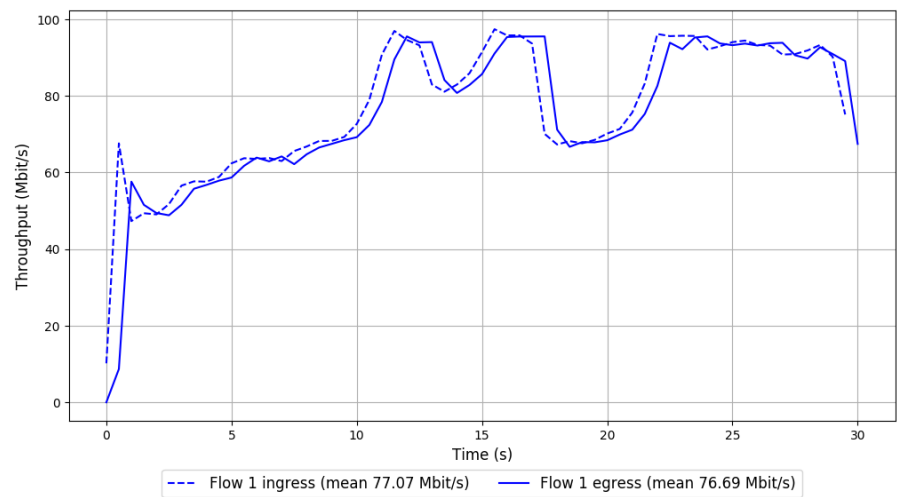
-- Flow 1:

Average throughput: 76.69 Mbit/s

95th percentile per-packet one-way delay: 41.685 ms

Loss rate: 0.74%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-18 04:55:48

End at: 2018-07-18 04:56:18

Local clock offset: 3.74 ms

Remote clock offset: 1.221 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.38 Mbit/s

95th percentile per-packet one-way delay: 43.297 ms

Loss rate: 0.51%

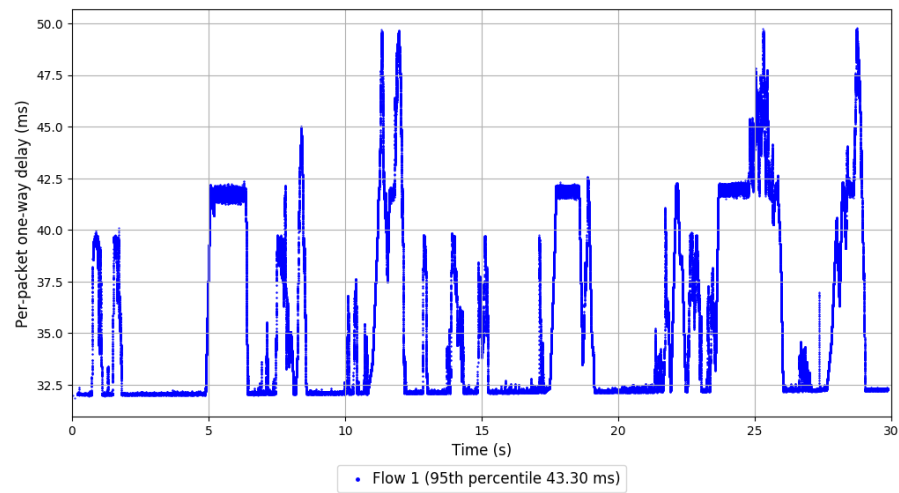
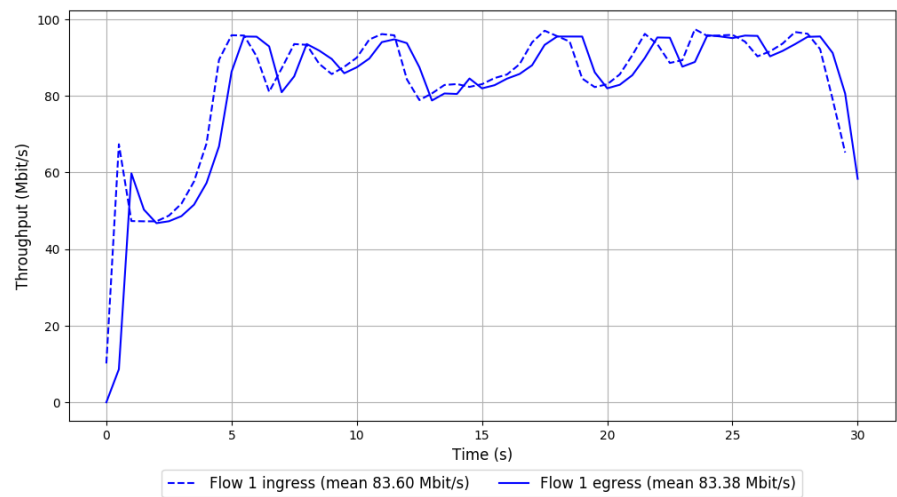
-- Flow 1:

Average throughput: 83.38 Mbit/s

95th percentile per-packet one-way delay: 43.297 ms

Loss rate: 0.51%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-18 01:17:36

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

Local clock offset: 0.58 ms

Remote clock offset: -2.39 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.28 Mbit/s

95th percentile per-packet one-way delay: 49.707 ms

Loss rate: 0.33%

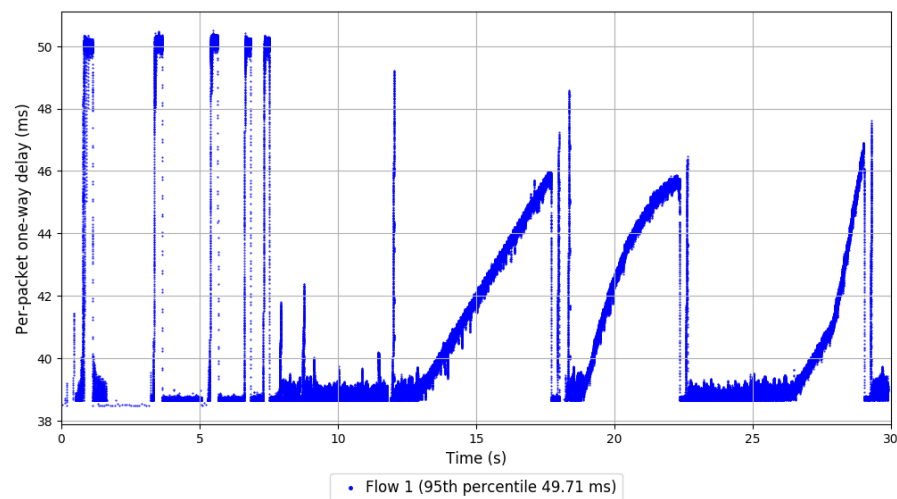
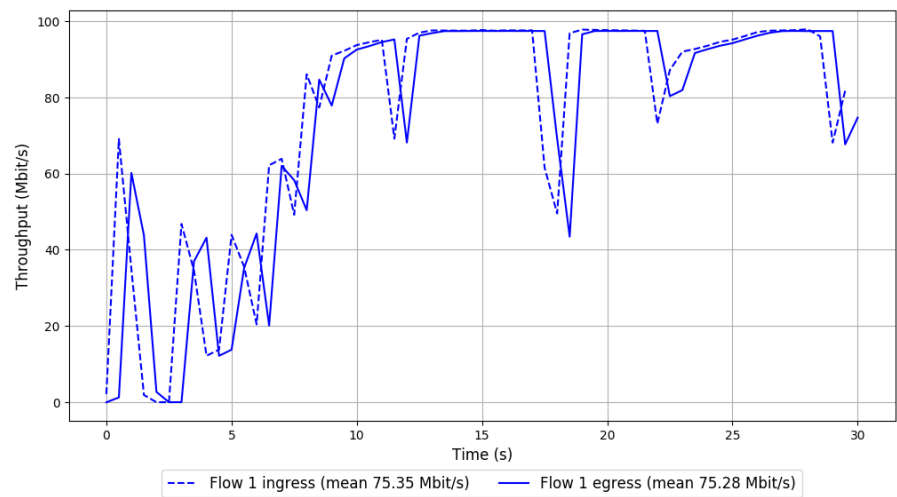
-- Flow 1:

Average throughput: 75.28 Mbit/s

95th percentile per-packet one-way delay: 49.707 ms

Loss rate: 0.33%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-18 01:39:53

End at: 2018-07-18 01:40:23

Local clock offset: 0.507 ms

Remote clock offset: -9.049 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.35 Mbit/s

95th percentile per-packet one-way delay: 74.469 ms

Loss rate: 0.37%

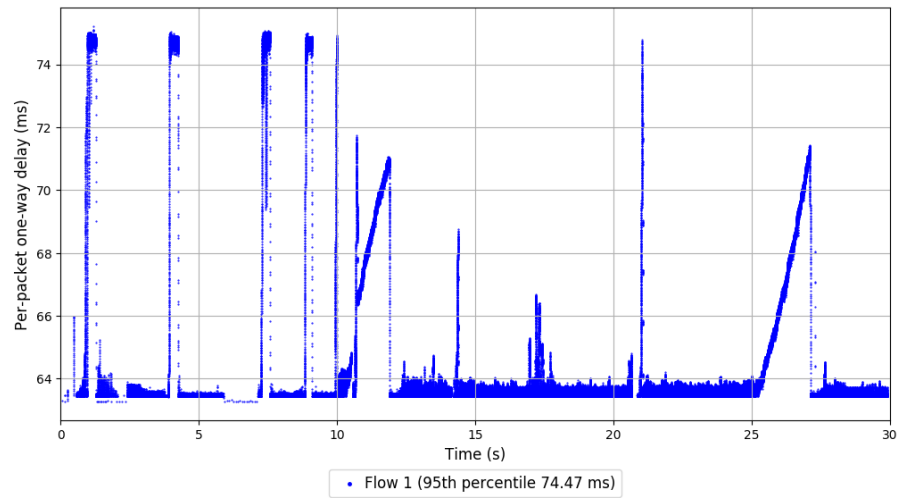
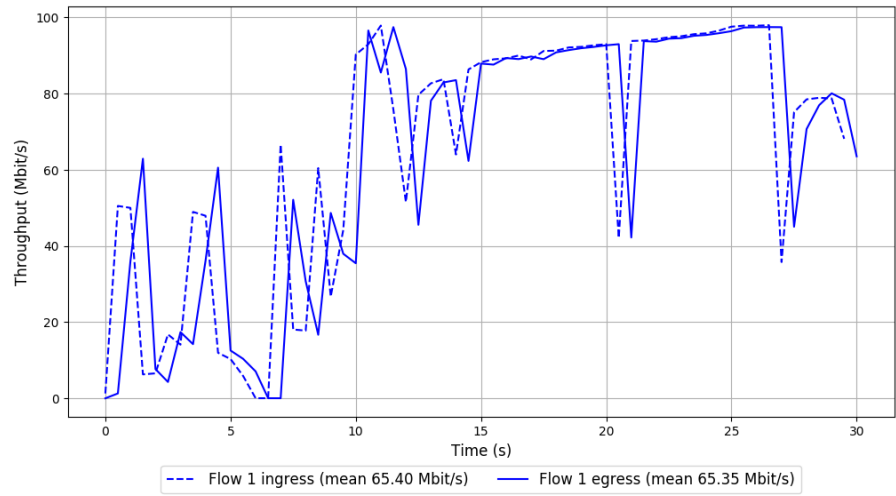
-- Flow 1:

Average throughput: 65.35 Mbit/s

95th percentile per-packet one-way delay: 74.469 ms

Loss rate: 0.37%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-18 02:02:24

End at: 2018-07-18 02:02:54

Local clock offset: 0.719 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.66 Mbit/s

95th percentile per-packet one-way delay: 40.546 ms

Loss rate: 0.25%

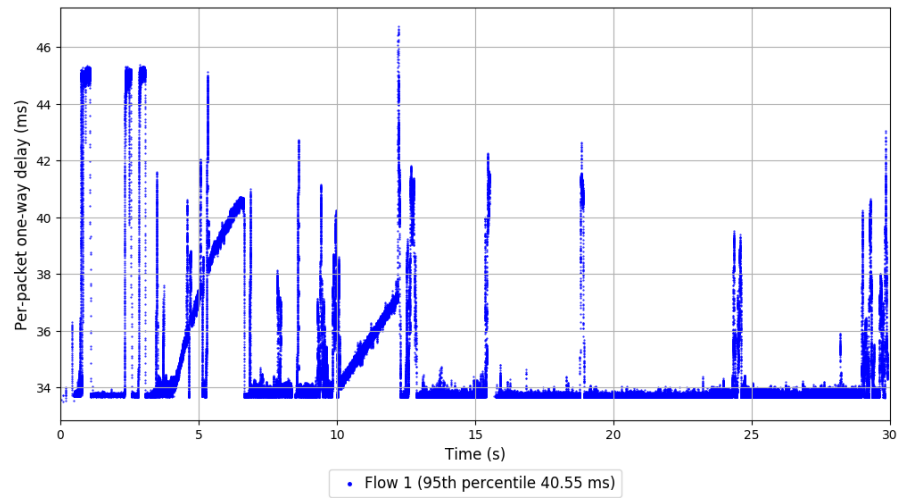
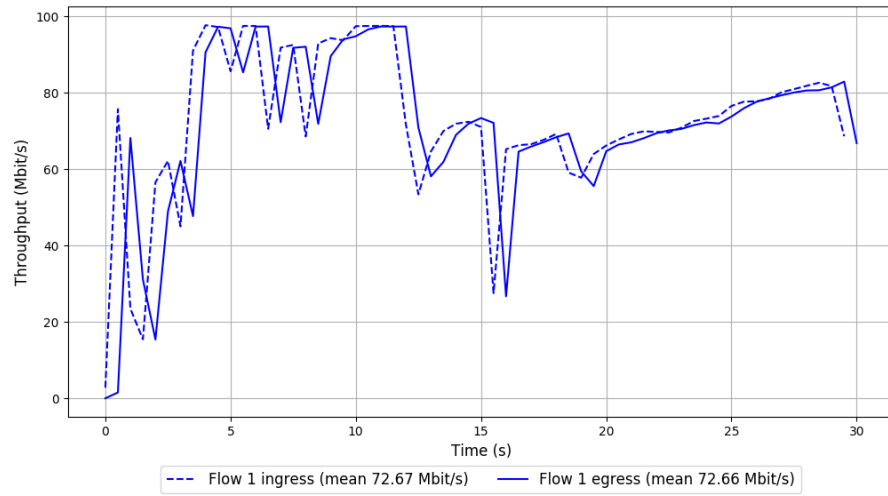
-- Flow 1:

Average throughput: 72.66 Mbit/s

95th percentile per-packet one-way delay: 40.546 ms

Loss rate: 0.25%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-18 02:25:29

End at: 2018-07-18 02:25:59

Local clock offset: 0.877 ms

Remote clock offset: 3.252 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.82 Mbit/s

95th percentile per-packet one-way delay: 41.706 ms

Loss rate: 0.38%

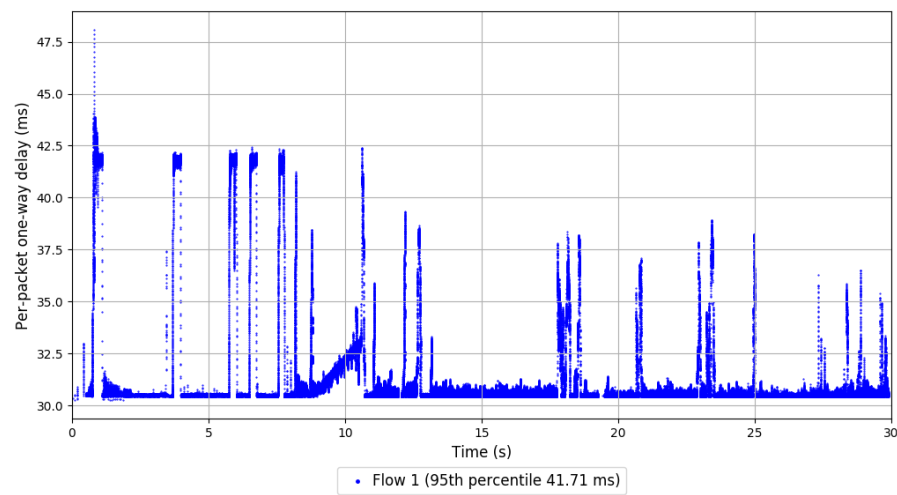
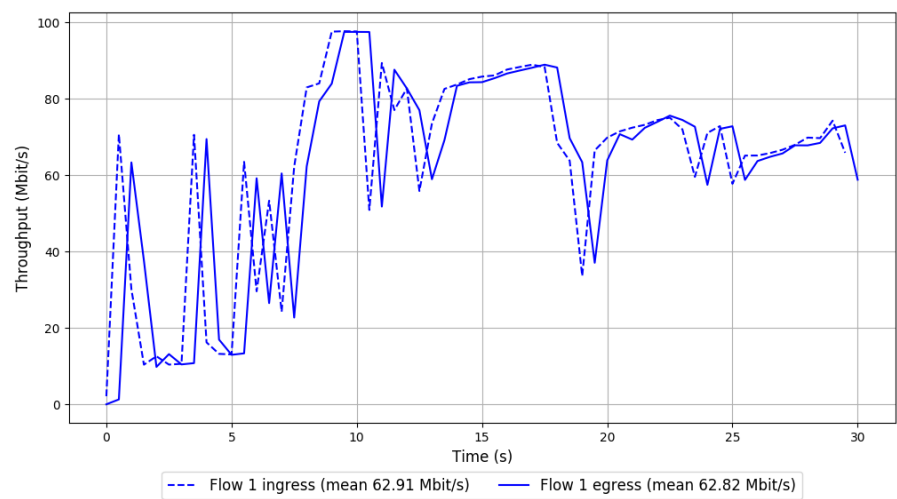
-- Flow 1:

Average throughput: 62.82 Mbit/s

95th percentile per-packet one-way delay: 41.706 ms

Loss rate: 0.38%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-18 02:49:13

End at: 2018-07-18 02:49:43

Local clock offset: 0.965 ms

Remote clock offset: 1.158 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.08 Mbit/s

95th percentile per-packet one-way delay: 43.721 ms

Loss rate: 0.52%

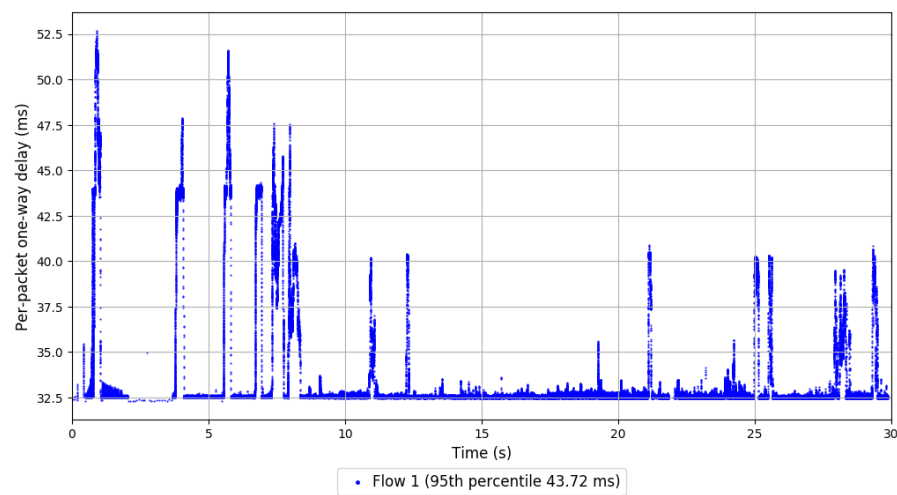
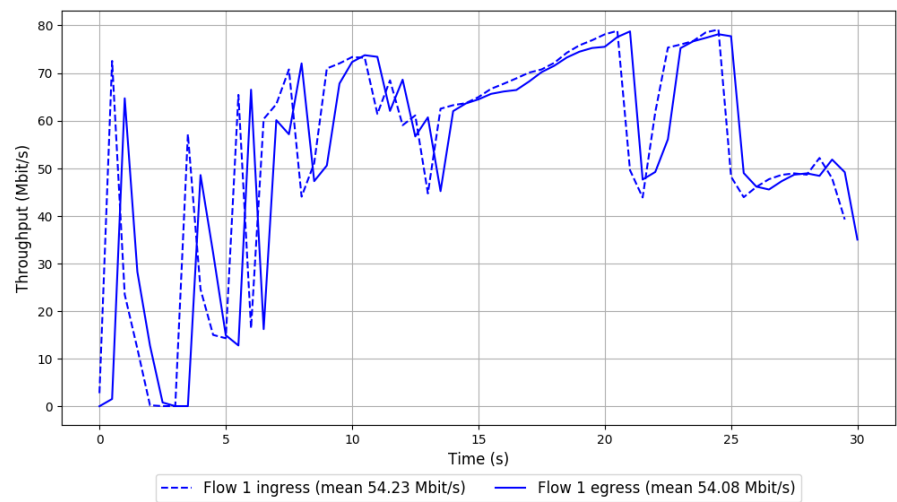
-- Flow 1:

Average throughput: 54.08 Mbit/s

95th percentile per-packet one-way delay: 43.721 ms

Loss rate: 0.52%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-18 03:14:29

End at: 2018-07-18 03:14:59

Local clock offset: 1.282 ms

Remote clock offset: -1.378 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.78 Mbit/s

95th percentile per-packet one-way delay: 43.351 ms

Loss rate: 0.47%

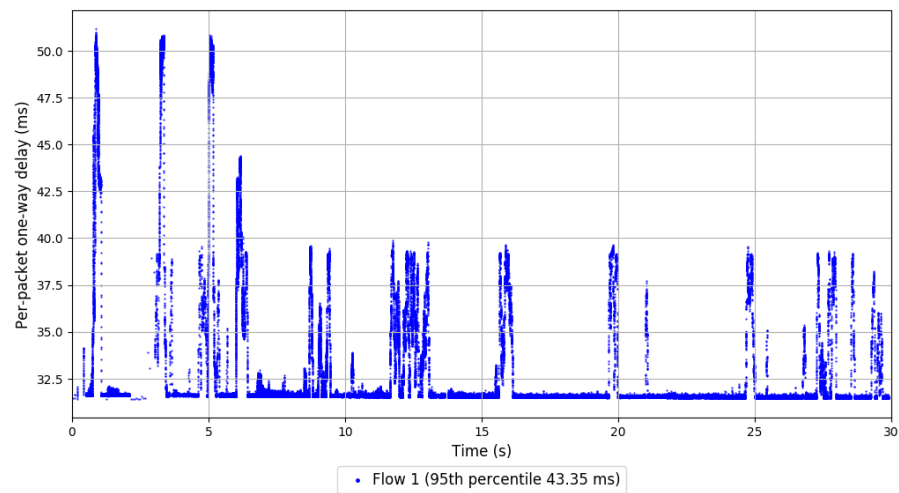
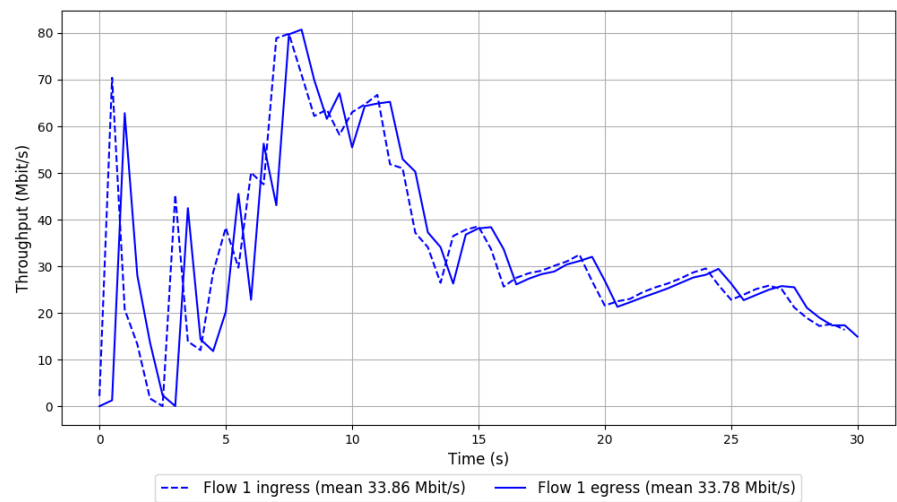
-- Flow 1:

Average throughput: 33.78 Mbit/s

95th percentile per-packet one-way delay: 43.351 ms

Loss rate: 0.47%

Run 6: Report of QUIC Cubic — Data Link

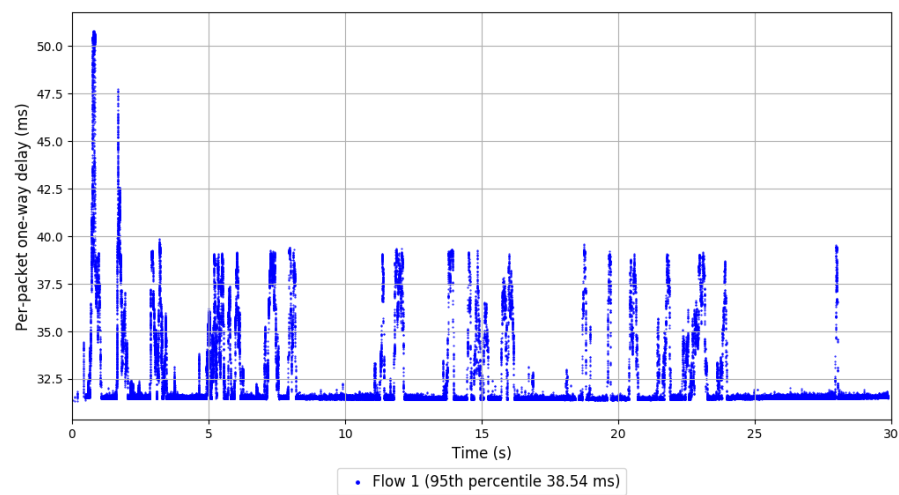
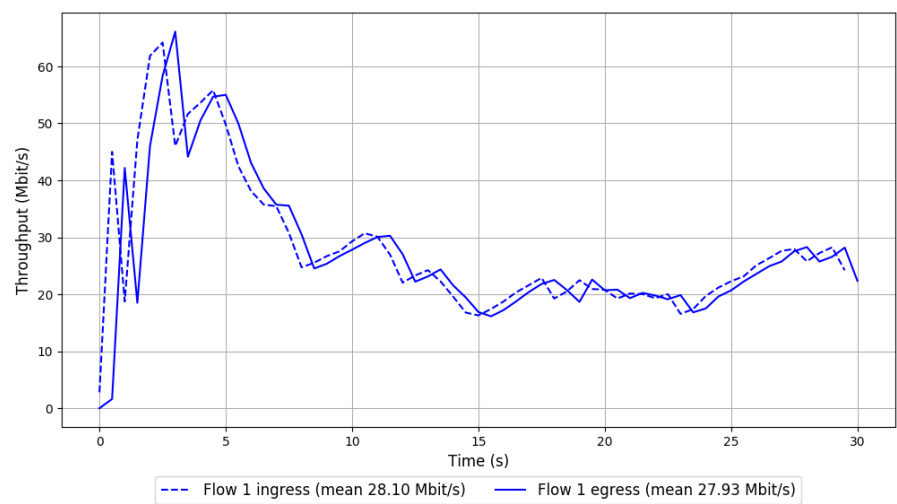


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-18 03:40:30
End at: 2018-07-18 03:41:00
Local clock offset: 12.267 ms
Remote clock offset: -5.518 ms

Below is generated by plot.py at 2018-07-18 05:24:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.93 Mbit/s
95th percentile per-packet one-way delay: 38.538 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 27.93 Mbit/s
95th percentile per-packet one-way delay: 38.538 ms
Loss rate: 0.84%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-18 04:05:08

End at: 2018-07-18 04:05:38

Local clock offset: 12.439 ms

Remote clock offset: 2.818 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.72 Mbit/s

95th percentile per-packet one-way delay: 37.972 ms

Loss rate: 1.23%

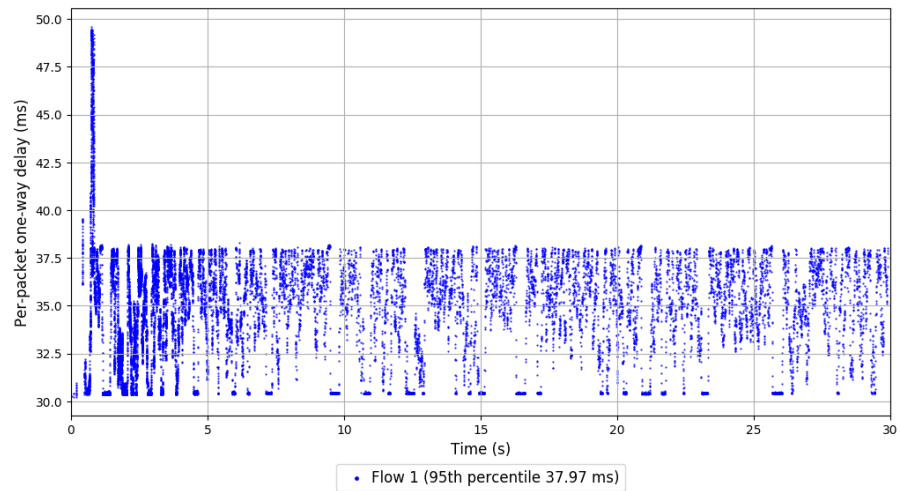
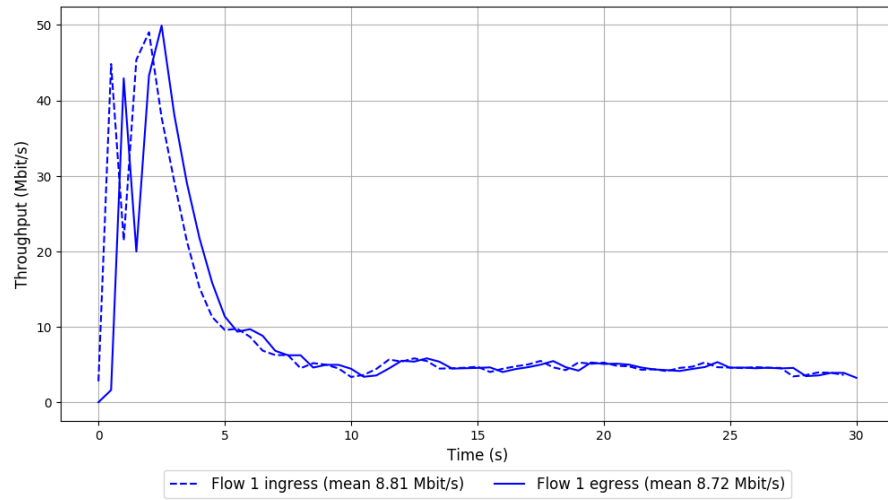
-- Flow 1:

Average throughput: 8.72 Mbit/s

95th percentile per-packet one-way delay: 37.972 ms

Loss rate: 1.23%

Run 8: Report of QUIC Cubic — Data Link

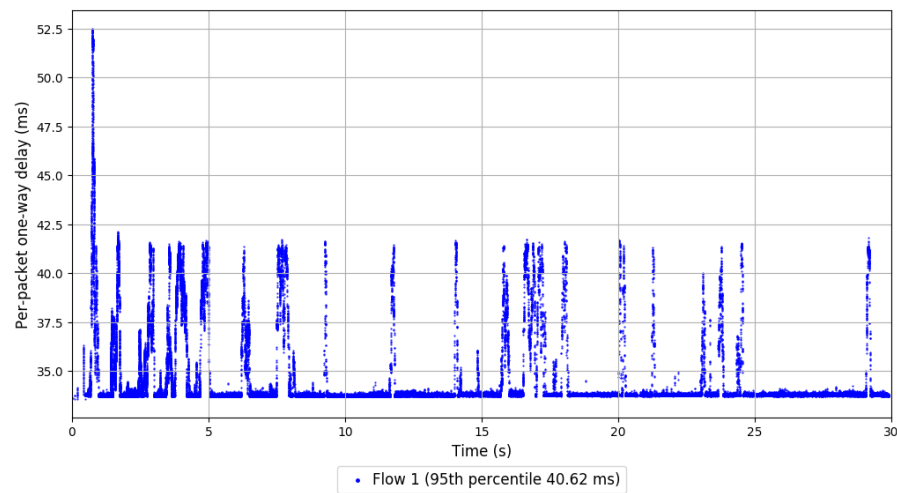
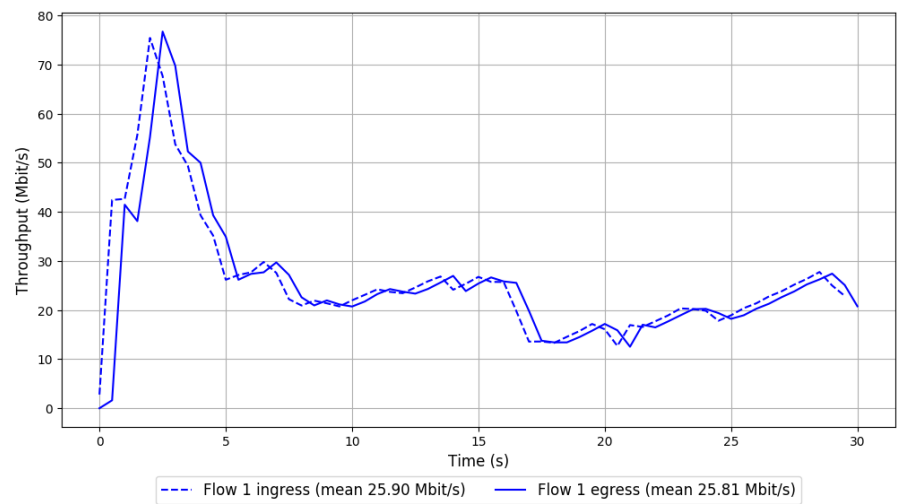


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-18 04:30:46
End at: 2018-07-18 04:31:16
Local clock offset: 11.176 ms
Remote clock offset: -0.483 ms

Below is generated by plot.py at 2018-07-18 05:24:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.81 Mbit/s
95th percentile per-packet one-way delay: 40.623 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 25.81 Mbit/s
95th percentile per-packet one-way delay: 40.623 ms
Loss rate: 0.58%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-18 04:54:30

End at: 2018-07-18 04:55:00

Local clock offset: 4.581 ms

Remote clock offset: 1.343 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.17 Mbit/s

95th percentile per-packet one-way delay: 34.876 ms

Loss rate: 0.49%

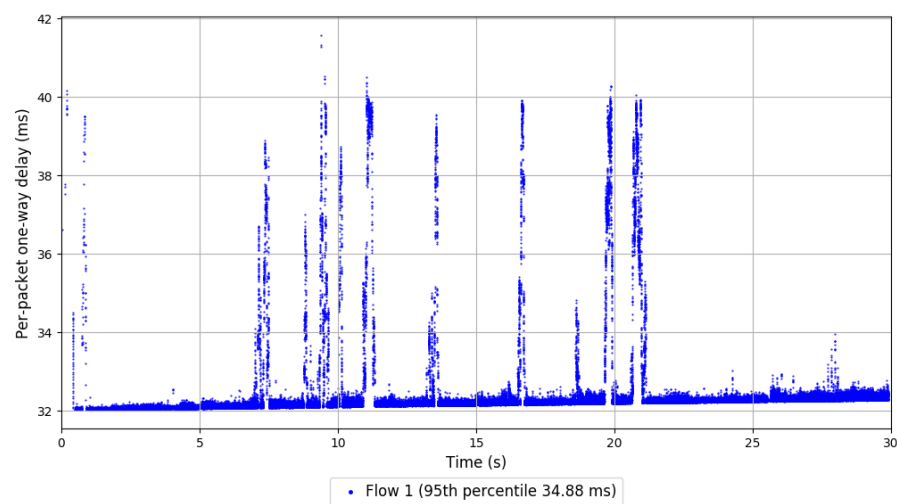
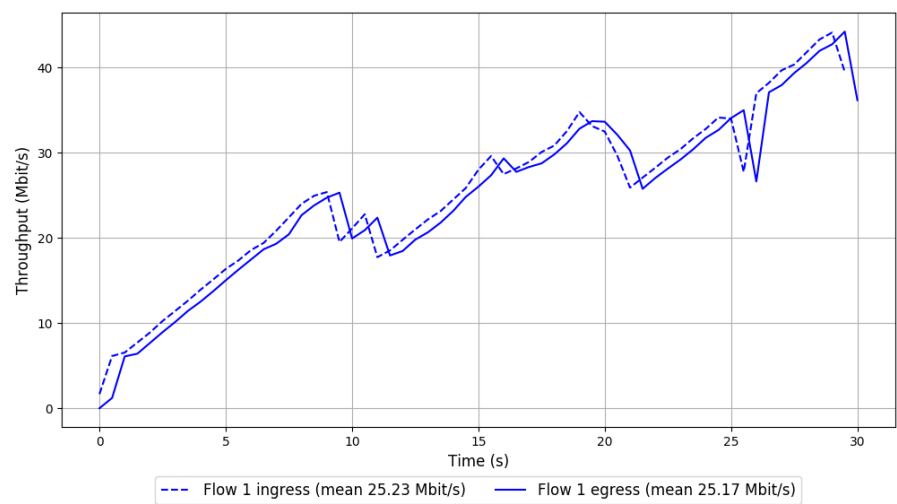
-- Flow 1:

Average throughput: 25.17 Mbit/s

95th percentile per-packet one-way delay: 34.876 ms

Loss rate: 0.49%

Run 10: Report of QUIC Cubic — Data Link

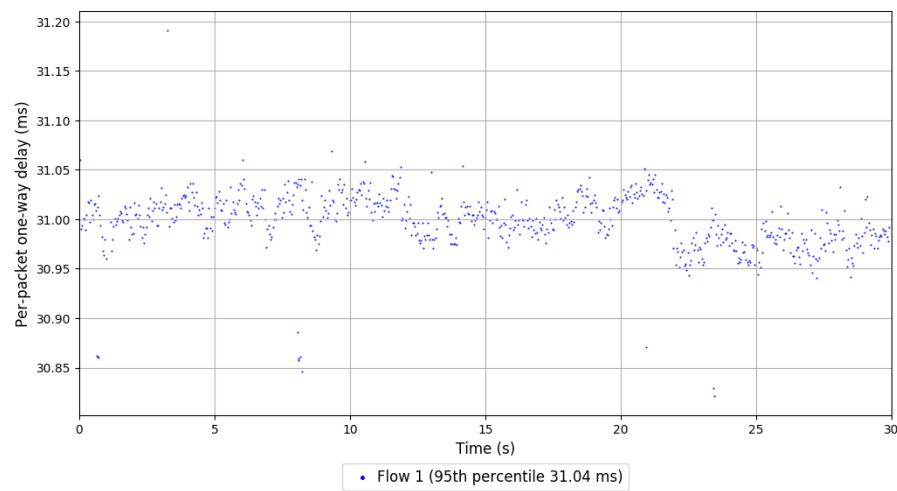
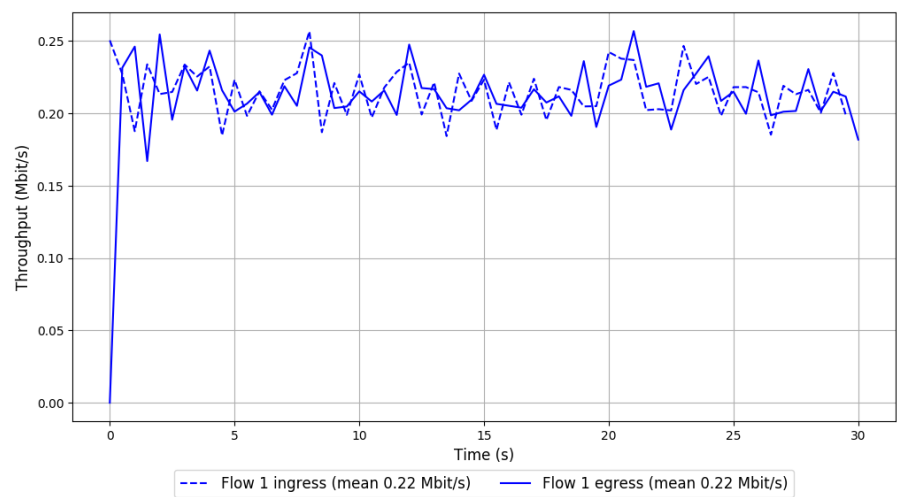


```
Run 1: Statistics of SCReAM

Start at: 2018-07-18 01:25:34
End at: 2018-07-18 01:26:04
Local clock offset: 0.477 ms
Remote clock offset: -4.739 ms

# Below is generated by plot.py at 2018-07-18 05:24:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.035 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.035 ms
Loss rate: 0.26%
```


Run 1: Report of SReAM — Data Link

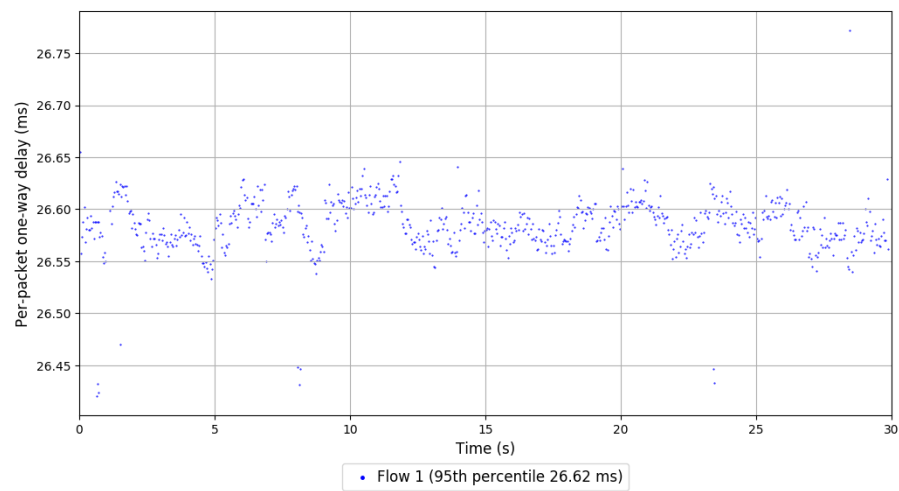
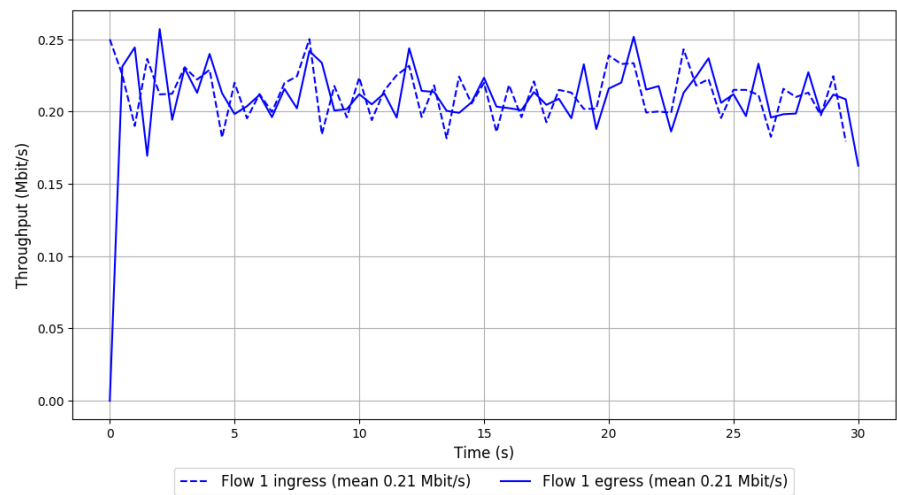


Run 2: Statistics of SCReAM

Start at: 2018-07-18 01:47:49
End at: 2018-07-18 01:48:19
Local clock offset: 0.464 ms
Remote clock offset: -0.642 ms

Below is generated by plot.py at 2018-07-18 05:24:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 26.620 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 26.620 ms
Loss rate: 0.26%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-18 02:10:34

End at: 2018-07-18 02:11:04

Local clock offset: 0.823 ms

Remote clock offset: 1.827 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 31.845 ms

Loss rate: 0.26%

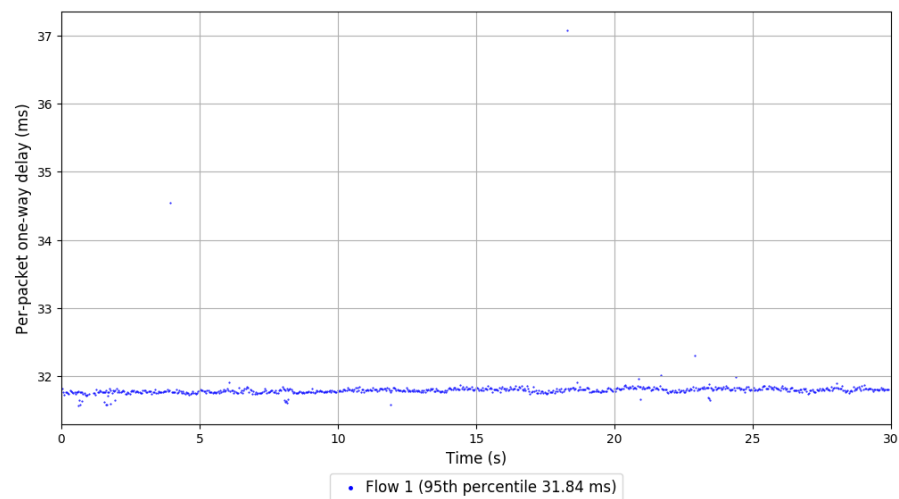
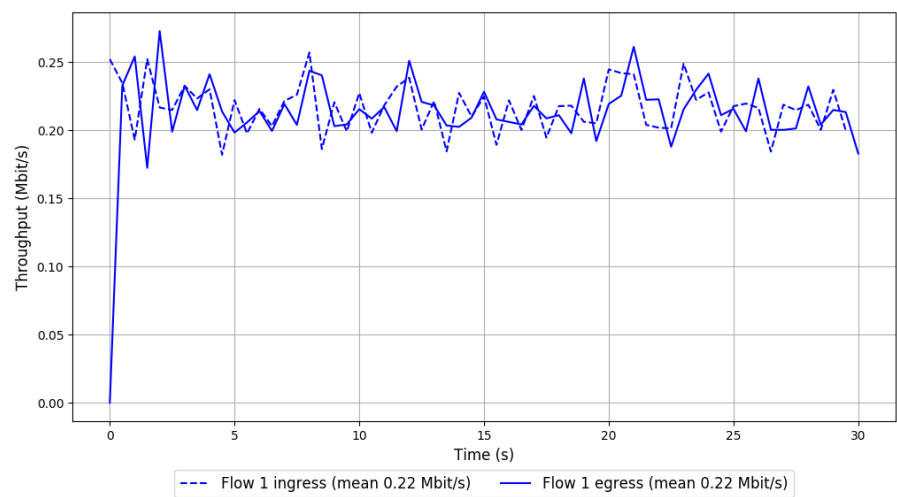
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 31.845 ms

Loss rate: 0.26%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-18 02:34:07

End at: 2018-07-18 02:34:37

Local clock offset: 0.888 ms

Remote clock offset: 3.269 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.595 ms

Loss rate: 0.26%

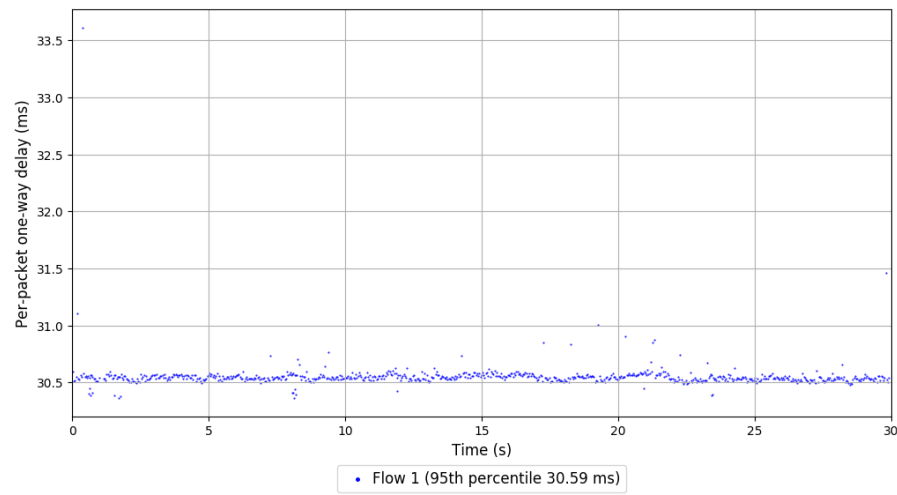
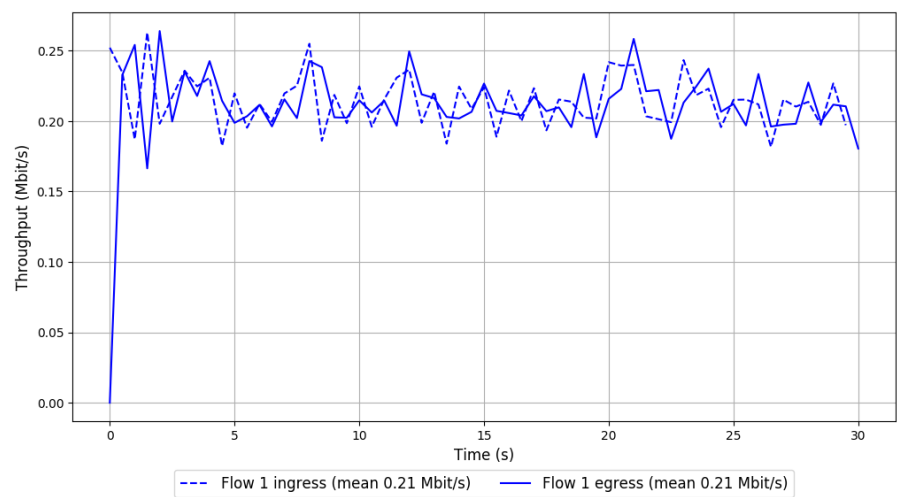
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.595 ms

Loss rate: 0.26%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-18 02:57:38

End at: 2018-07-18 02:58:08

Local clock offset: 1.17 ms

Remote clock offset: 1.94 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 31.807 ms

Loss rate: 0.42%

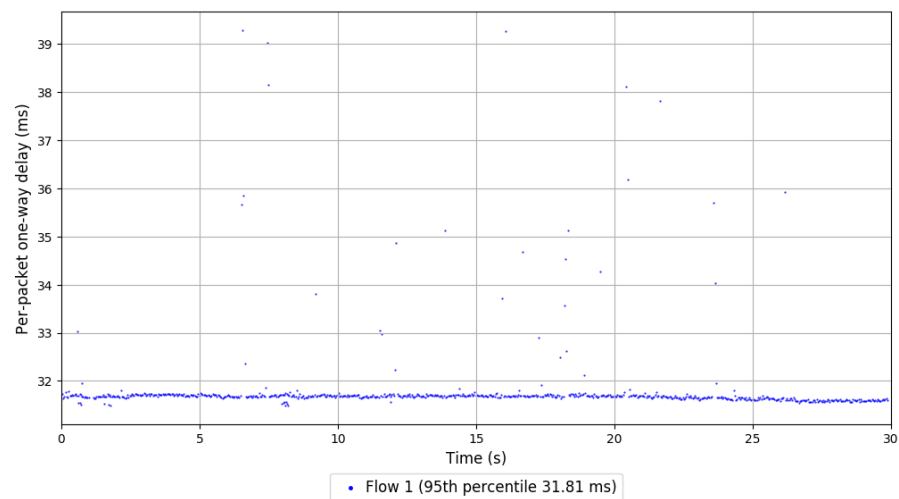
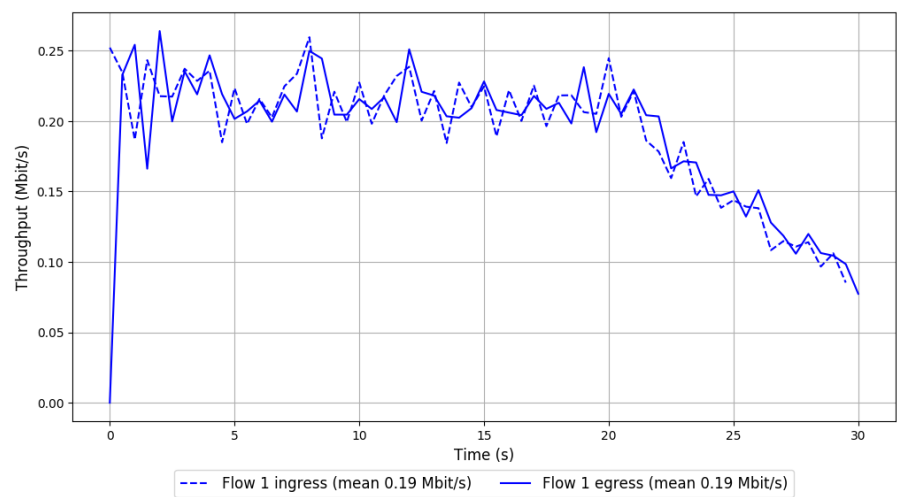
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 31.807 ms

Loss rate: 0.42%

Run 5: Report of SReAM — Data Link

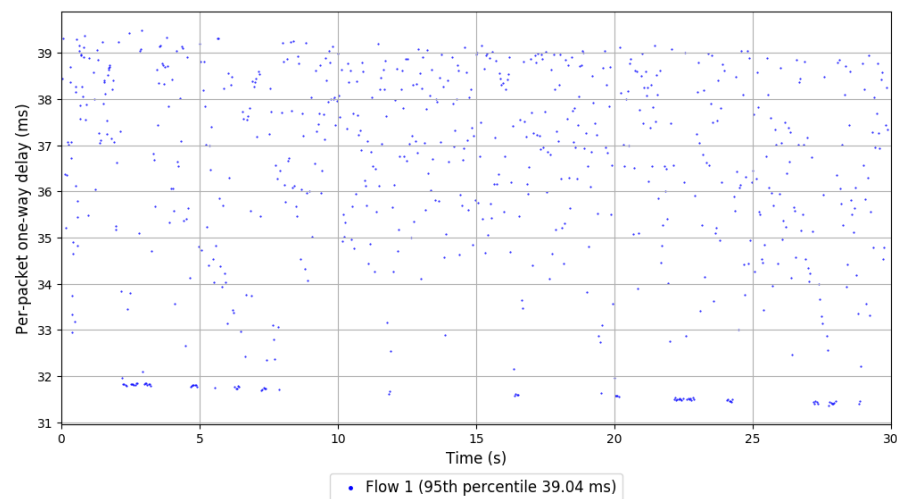
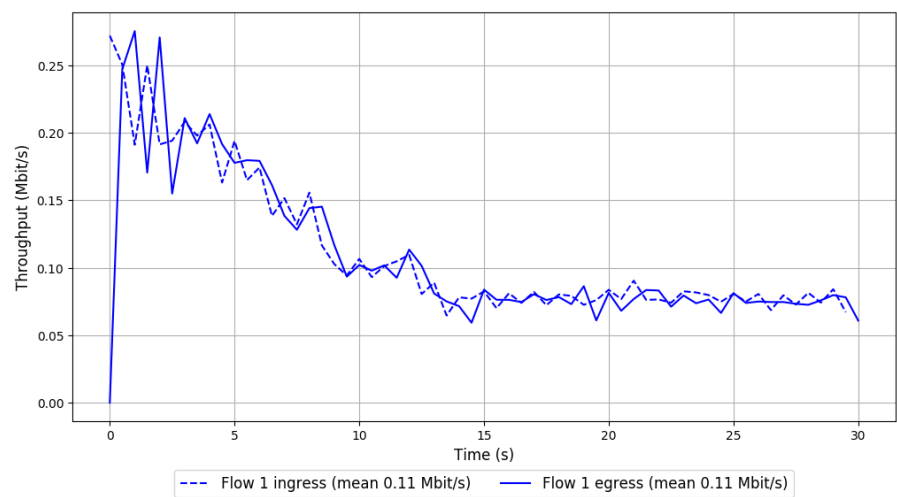


Run 6: Statistics of SCReAM

Start at: 2018-07-18 03:24:01
End at: 2018-07-18 03:24:31
Local clock offset: 6.803 ms
Remote clock offset: -3.911 ms

Below is generated by plot.py at 2018-07-18 05:24:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 39.043 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 39.043 ms
Loss rate: 2.22%

Run 6: Report of SReAM — Data Link

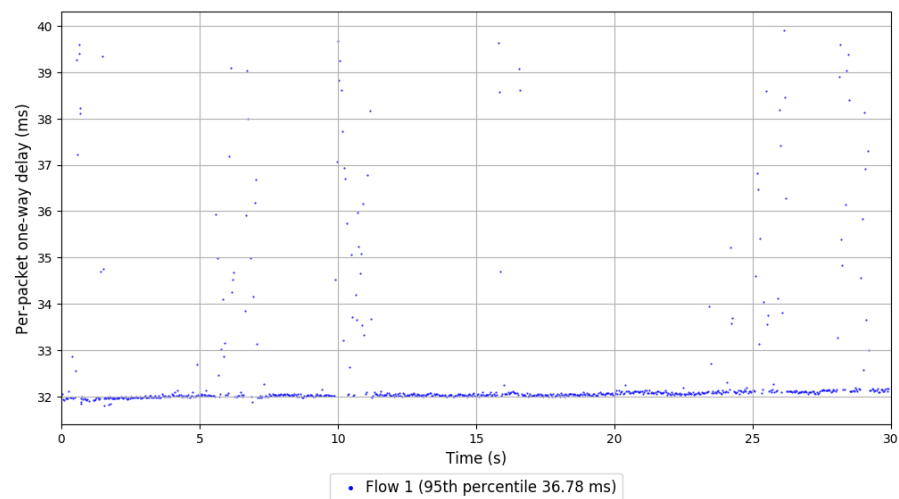
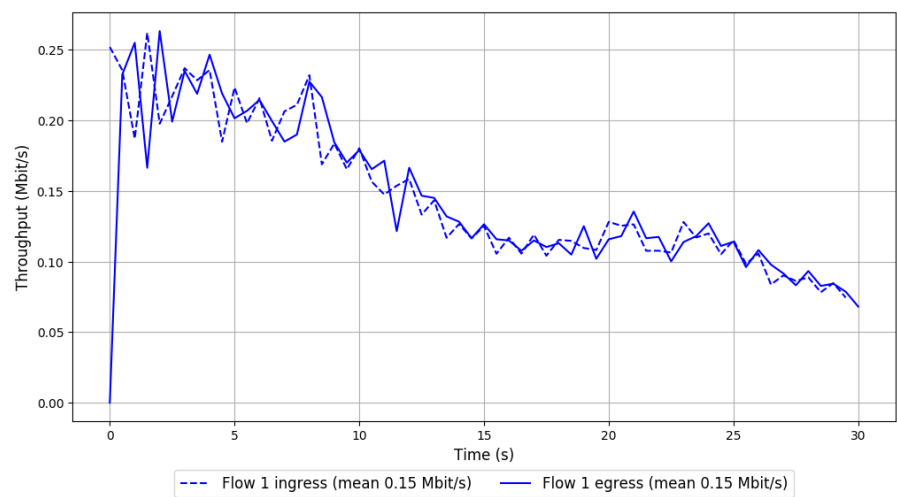


Run 7: Statistics of SCReAM

Start at: 2018-07-18 03:48:59
End at: 2018-07-18 03:49:30
Local clock offset: 13.08 ms
Remote clock offset: -1.167 ms

Below is generated by plot.py at 2018-07-18 05:24:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 36.777 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 36.777 ms
Loss rate: 0.58%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-18 04:15:04

End at: 2018-07-18 04:15:34

Local clock offset: 13.096 ms

Remote clock offset: 1.204 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 39.739 ms

Loss rate: 1.23%

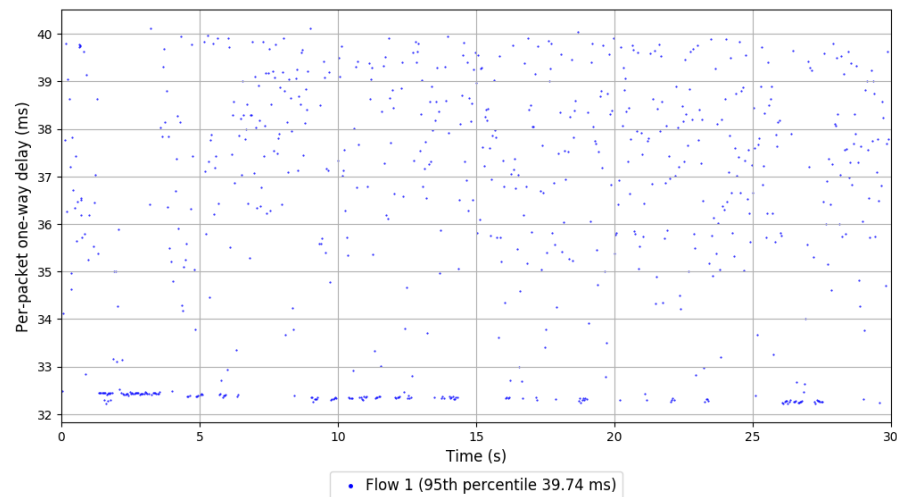
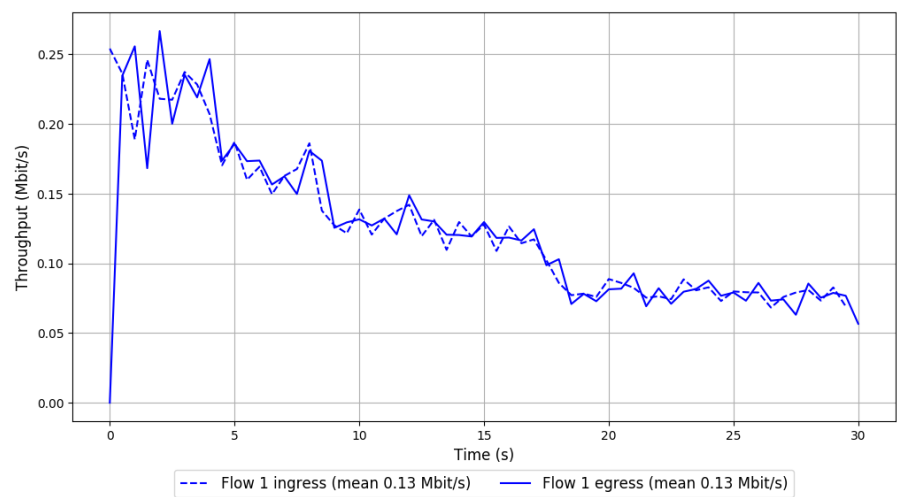
-- Flow 1:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 39.739 ms

Loss rate: 1.23%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-18 04:39:11

End at: 2018-07-18 04:39:41

Local clock offset: 11.21 ms

Remote clock offset: 0.762 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 37.372 ms

Loss rate: 0.37%

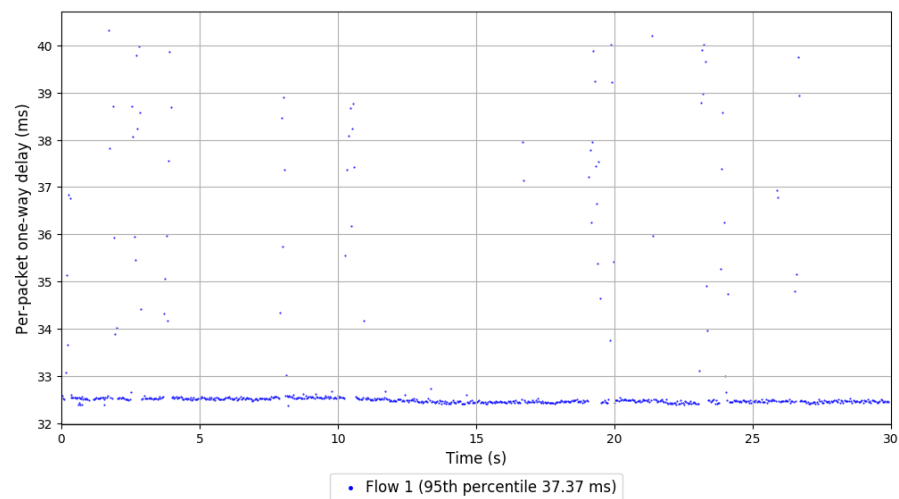
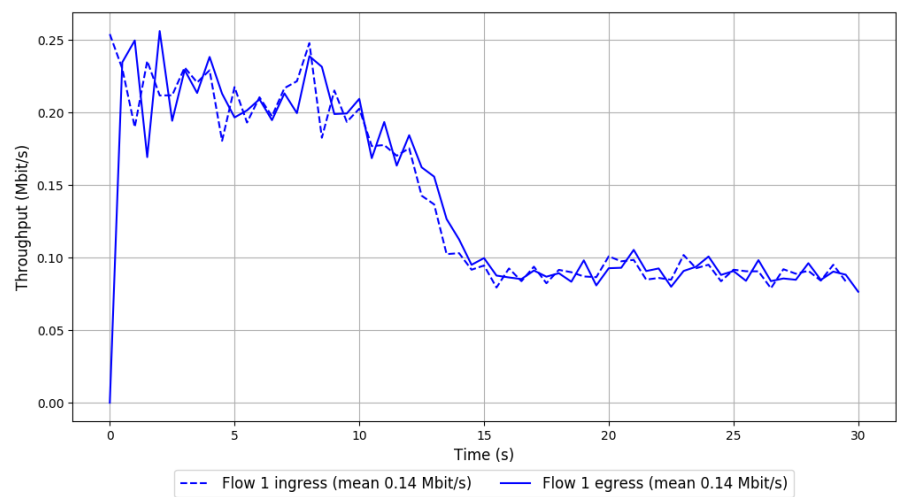
-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 37.372 ms

Loss rate: 0.37%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-18 05:03:12

End at: 2018-07-18 05:03:42

Local clock offset: 0.758 ms

Remote clock offset: 1.07 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 39.252 ms

Loss rate: 0.81%

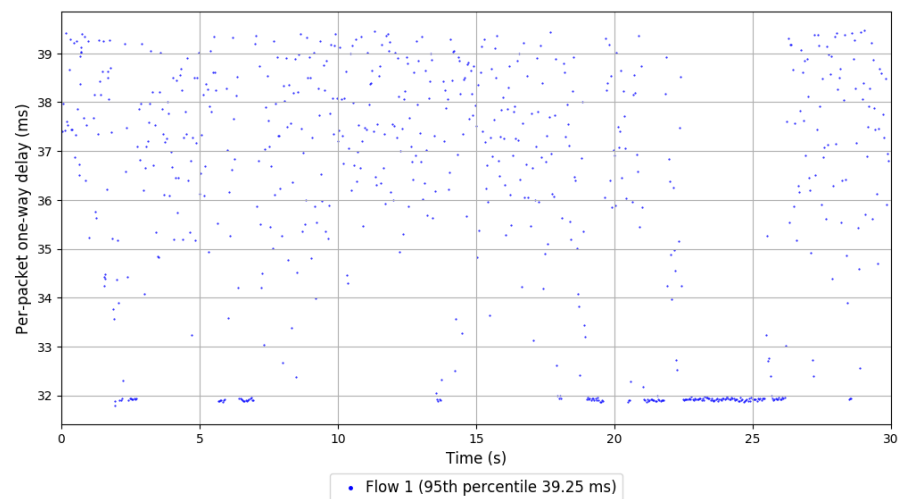
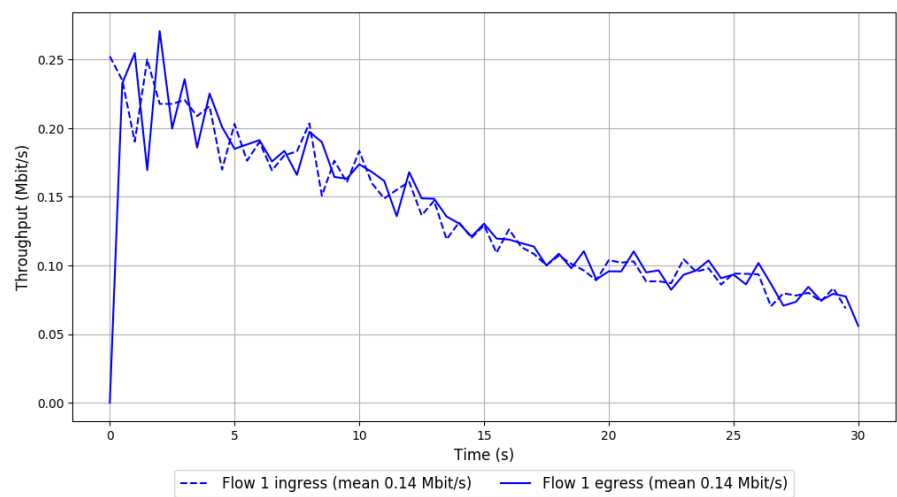
-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 39.252 ms

Loss rate: 0.81%

Run 10: Report of SReAM — Data Link

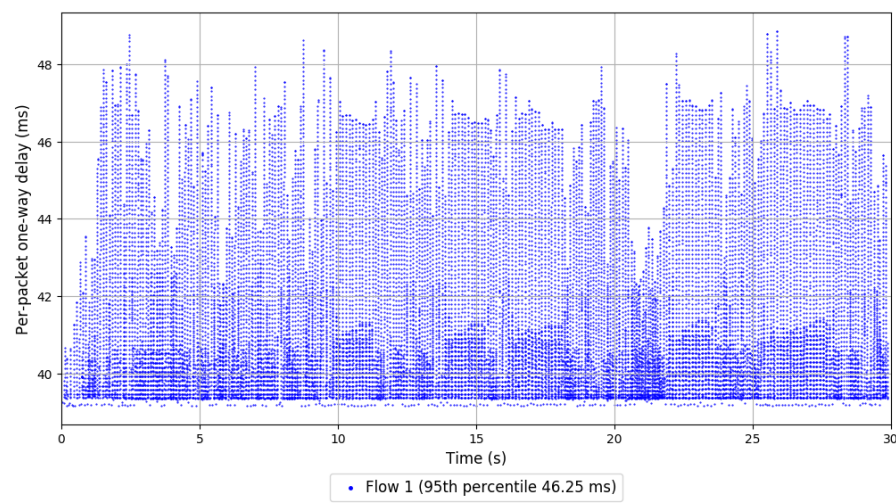
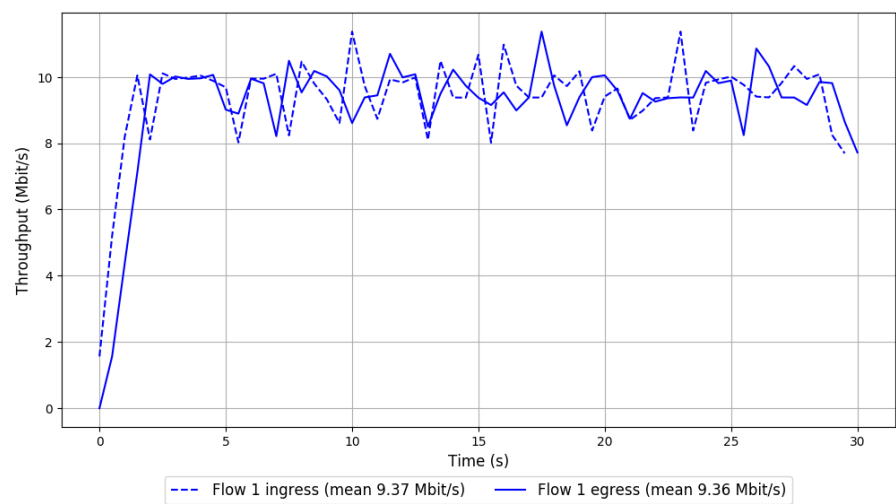


Run 1: Statistics of Sprout

Start at: 2018-07-18 01:13:43
End at: 2018-07-18 01:14:13
Local clock offset: 0.505 ms
Remote clock offset: -3.271 ms

Below is generated by plot.py at 2018-07-18 05:24:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 46.250 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 46.250 ms
Loss rate: 0.28%

Run 1: Report of Sprout — Data Link

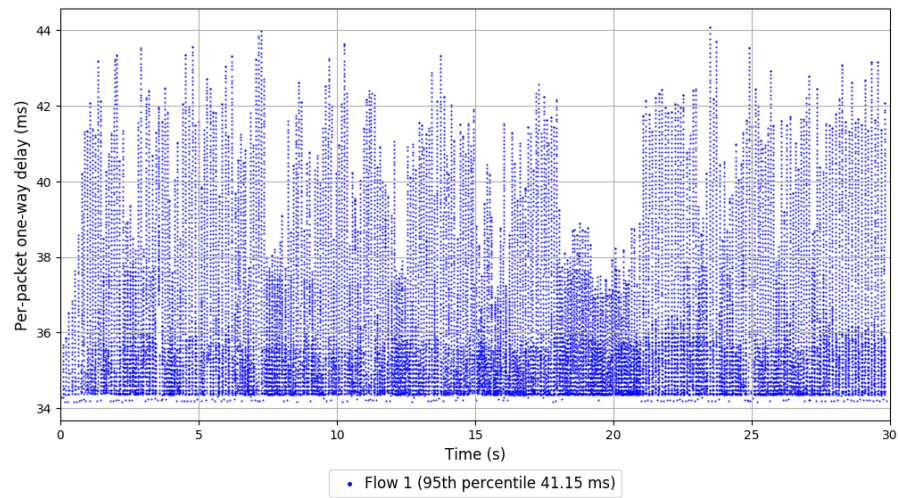
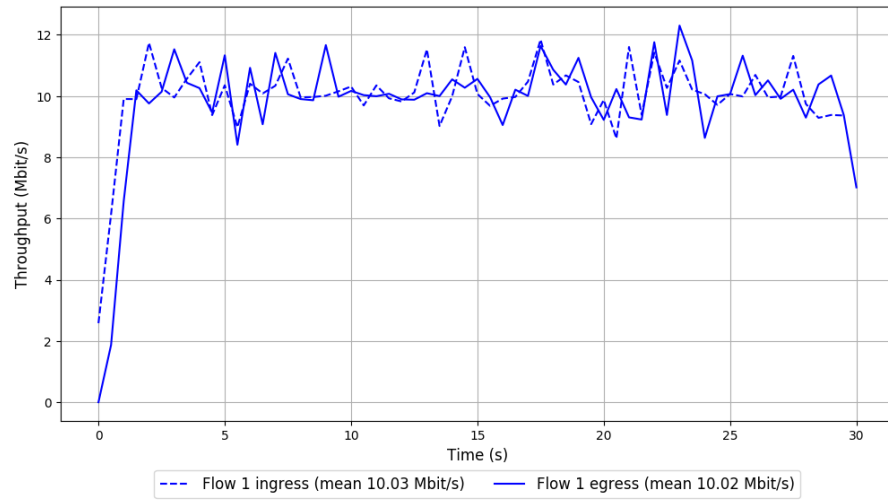


Run 2: Statistics of Sprout

Start at: 2018-07-18 01:36:00
End at: 2018-07-18 01:36:30
Local clock offset: 0.416 ms
Remote clock offset: -3.491 ms

Below is generated by plot.py at 2018-07-18 05:24:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 41.151 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 41.151 ms
Loss rate: 0.39%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-18 01:58:27

End at: 2018-07-18 01:58:57

Local clock offset: 0.787 ms

Remote clock offset: 1.531 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.20 Mbit/s

95th percentile per-packet one-way delay: 39.010 ms

Loss rate: 0.39%

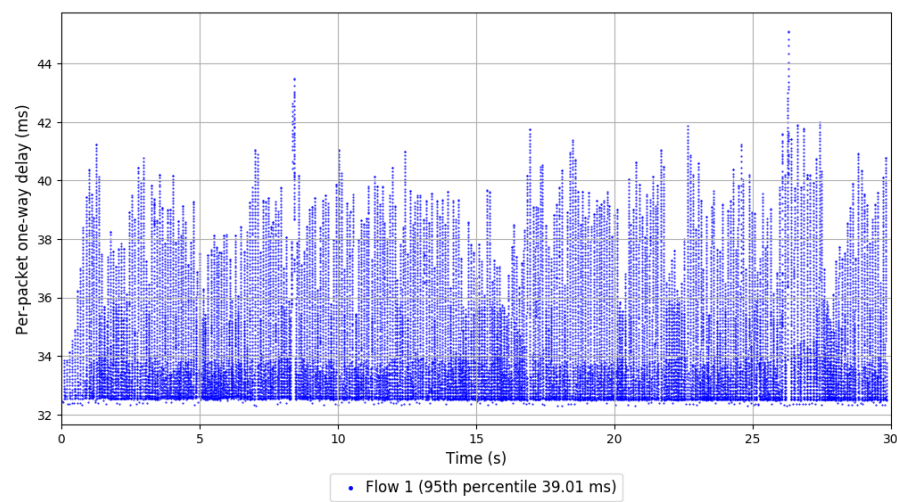
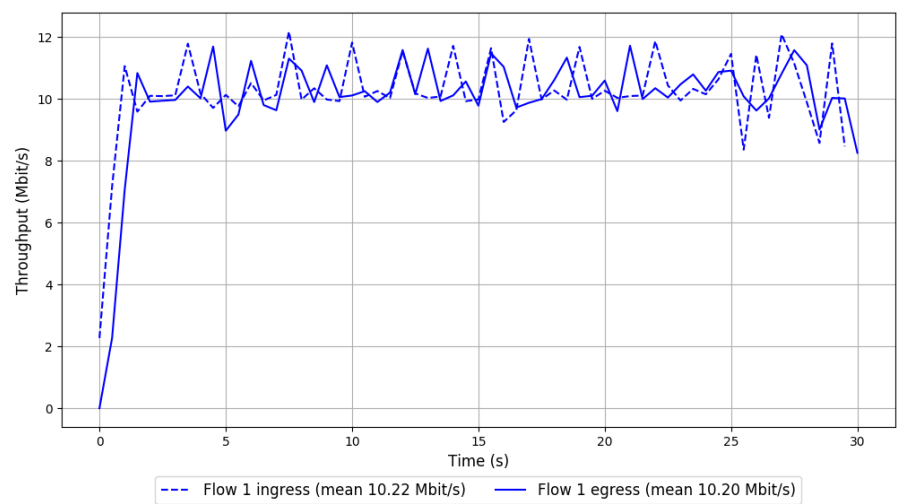
-- Flow 1:

Average throughput: 10.20 Mbit/s

95th percentile per-packet one-way delay: 39.010 ms

Loss rate: 0.39%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-18 02:21:22

End at: 2018-07-18 02:21:52

Local clock offset: 0.864 ms

Remote clock offset: 3.183 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.13 Mbit/s

95th percentile per-packet one-way delay: 37.237 ms

Loss rate: 0.35%

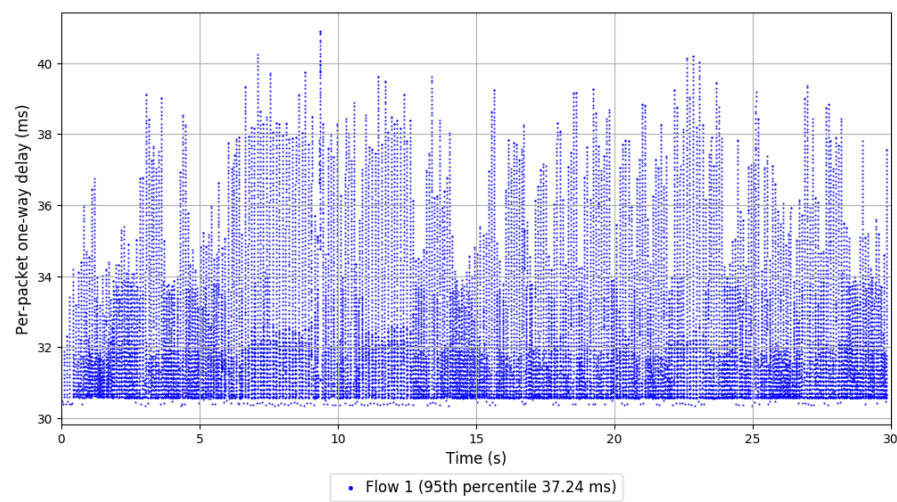
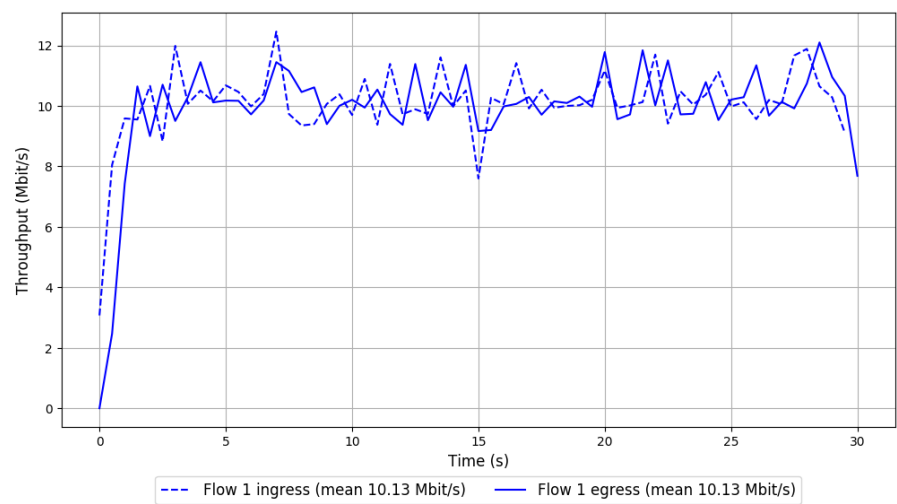
-- Flow 1:

Average throughput: 10.13 Mbit/s

95th percentile per-packet one-way delay: 37.237 ms

Loss rate: 0.35%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-18 02:45:09

End at: 2018-07-18 02:45:39

Local clock offset: 0.863 ms

Remote clock offset: 1.188 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.05 Mbit/s

95th percentile per-packet one-way delay: 39.070 ms

Loss rate: 0.45%

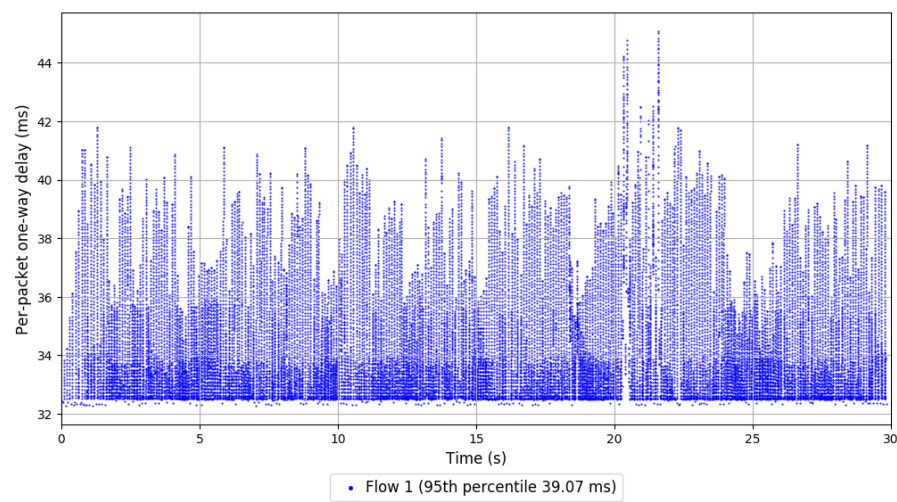
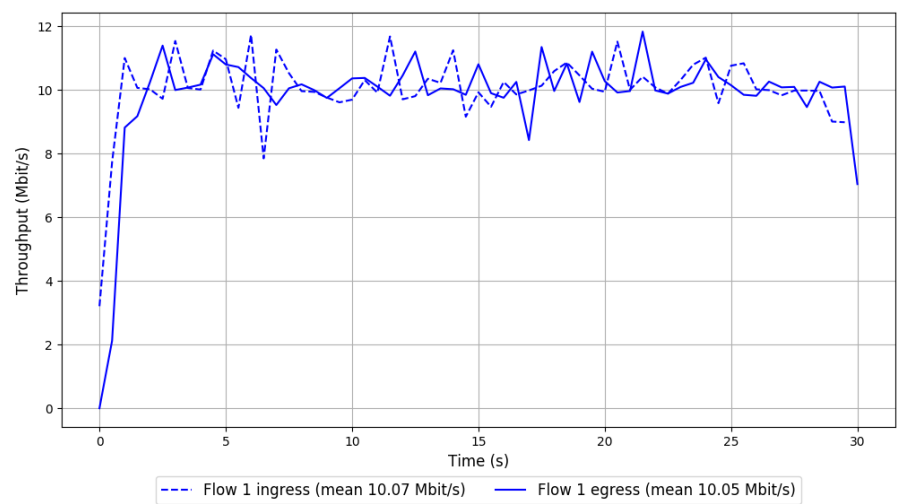
-- Flow 1:

Average throughput: 10.05 Mbit/s

95th percentile per-packet one-way delay: 39.070 ms

Loss rate: 0.45%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-18 03:09:34

End at: 2018-07-18 03:10:05

Local clock offset: 1.342 ms

Remote clock offset: 0.844 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.40 Mbit/s

95th percentile per-packet one-way delay: 44.317 ms

Loss rate: 3.01%

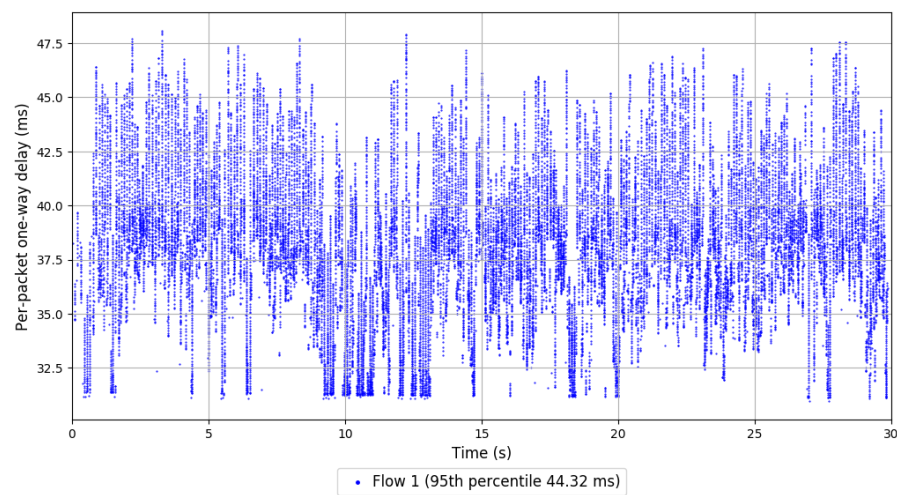
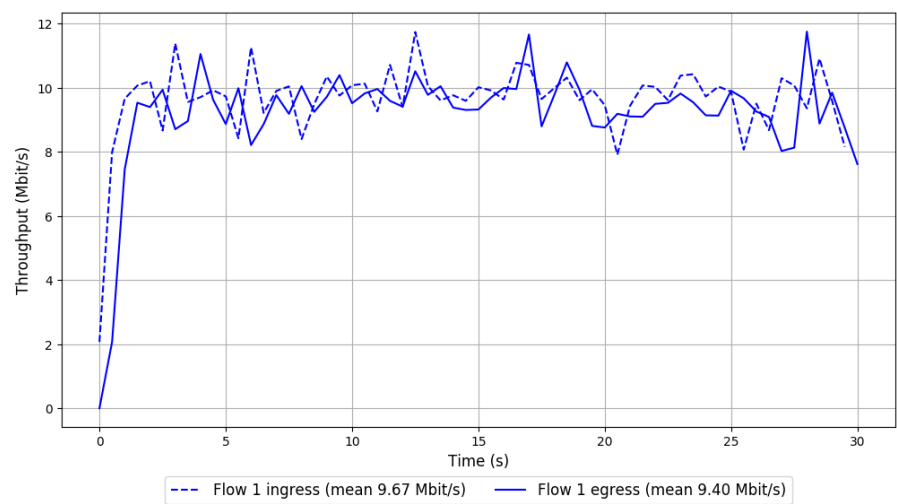
-- Flow 1:

Average throughput: 9.40 Mbit/s

95th percentile per-packet one-way delay: 44.317 ms

Loss rate: 3.01%

Run 6: Report of Sprout — Data Link

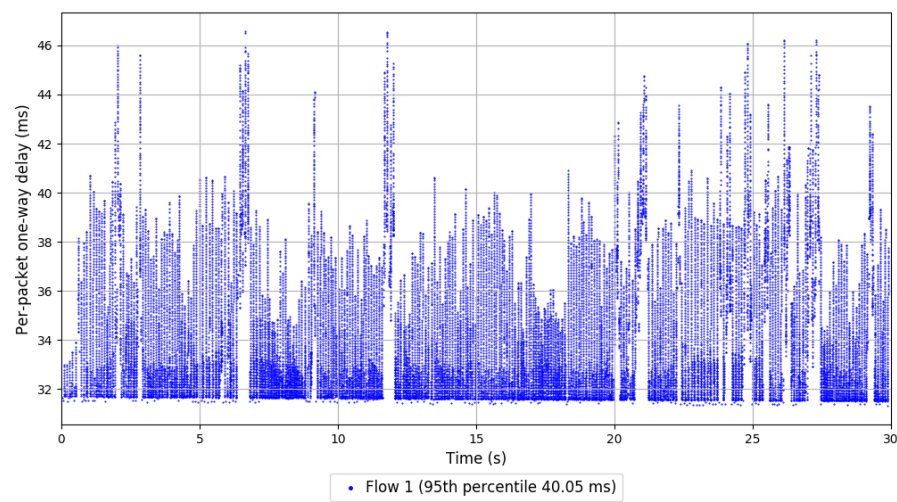
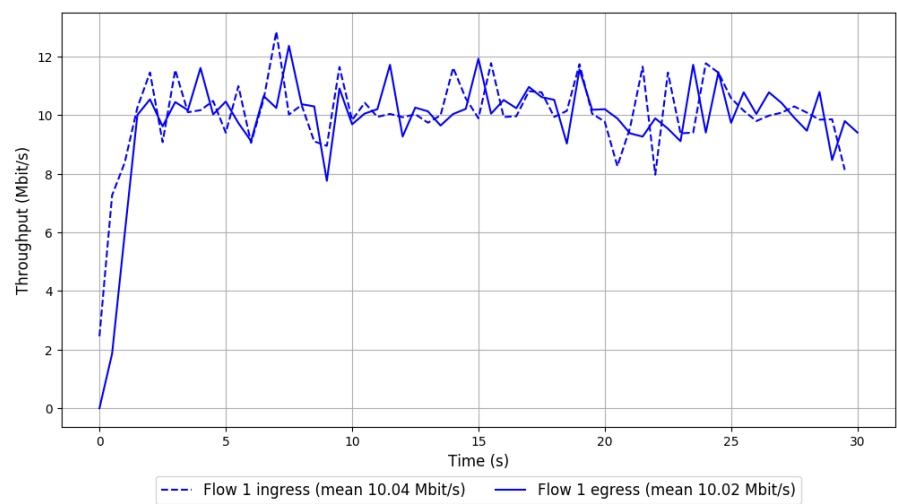


Run 7: Statistics of Sprout

Start at: 2018-07-18 03:36:16
End at: 2018-07-18 03:36:46
Local clock offset: 11.36 ms
Remote clock offset: -5.162 ms

Below is generated by plot.py at 2018-07-18 05:24:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 40.046 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 40.046 ms
Loss rate: 0.38%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-18 04:00:11

End at: 2018-07-18 04:00:41

Local clock offset: 12.174 ms

Remote clock offset: 1.067 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.86 Mbit/s

95th percentile per-packet one-way delay: 42.722 ms

Loss rate: 1.10%

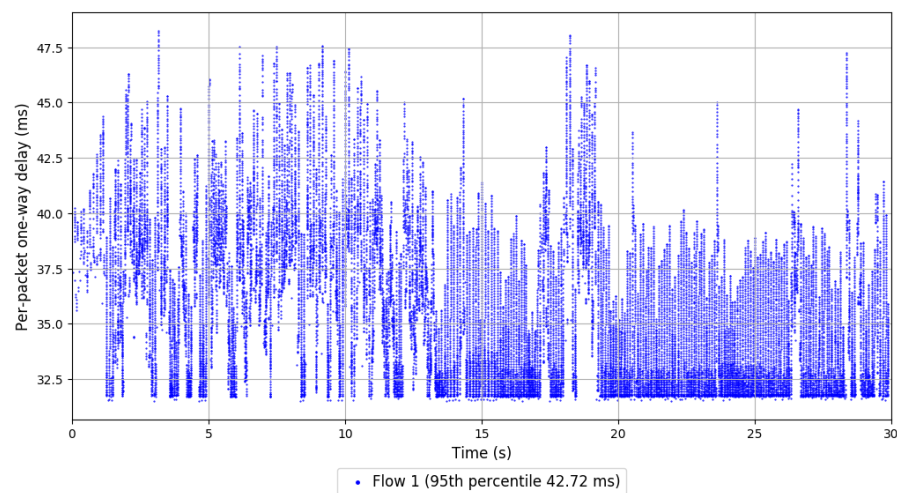
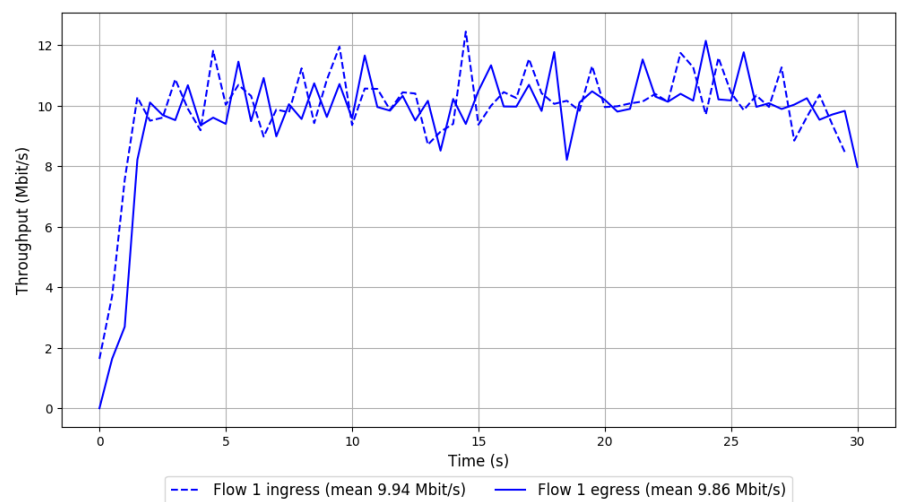
-- Flow 1:

Average throughput: 9.86 Mbit/s

95th percentile per-packet one-way delay: 42.722 ms

Loss rate: 1.10%

Run 8: Report of Sprout — Data Link

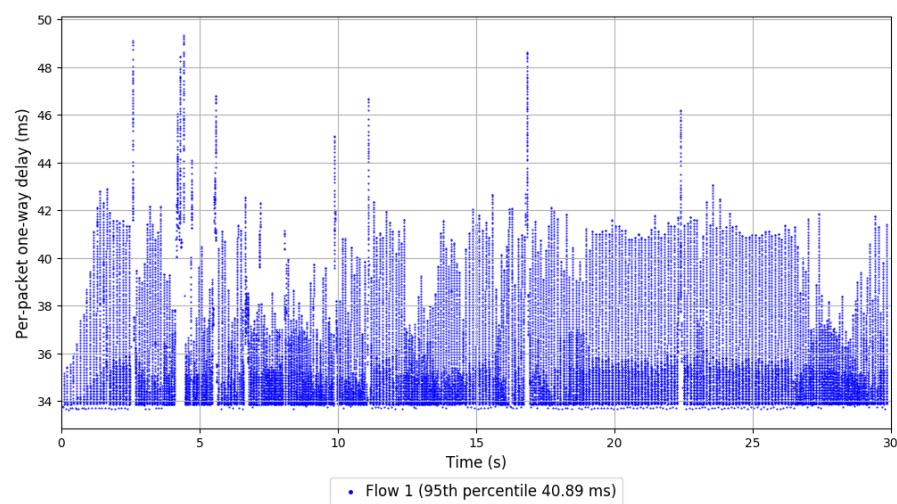
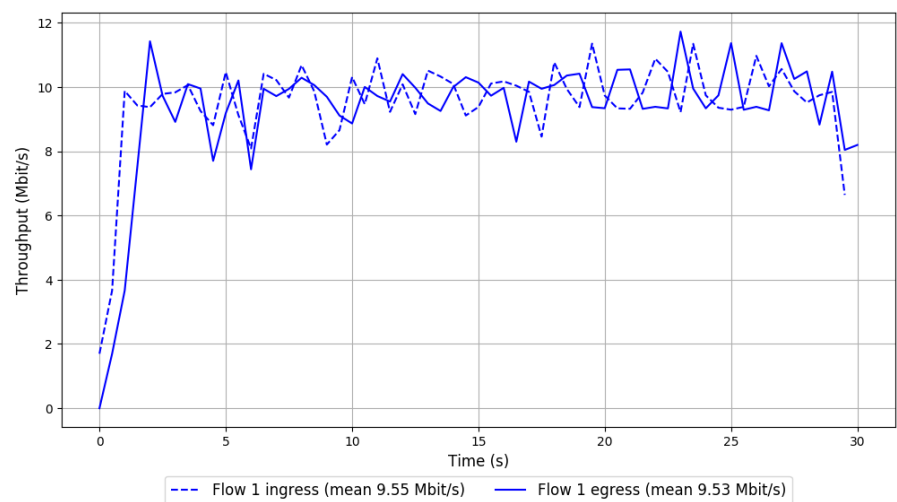


Run 9: Statistics of Sprout

Start at: 2018-07-18 04:26:35
End at: 2018-07-18 04:27:05
Local clock offset: 11.505 ms
Remote clock offset: -0.504 ms

Below is generated by plot.py at 2018-07-18 05:24:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 40.892 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 40.892 ms
Loss rate: 0.42%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-18 04:50:20

End at: 2018-07-18 04:50:51

Local clock offset: 7.869 ms

Remote clock offset: -0.497 ms

Below is generated by plot.py at 2018-07-18 05:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.12 Mbit/s

95th percentile per-packet one-way delay: 42.415 ms

Loss rate: 0.58%

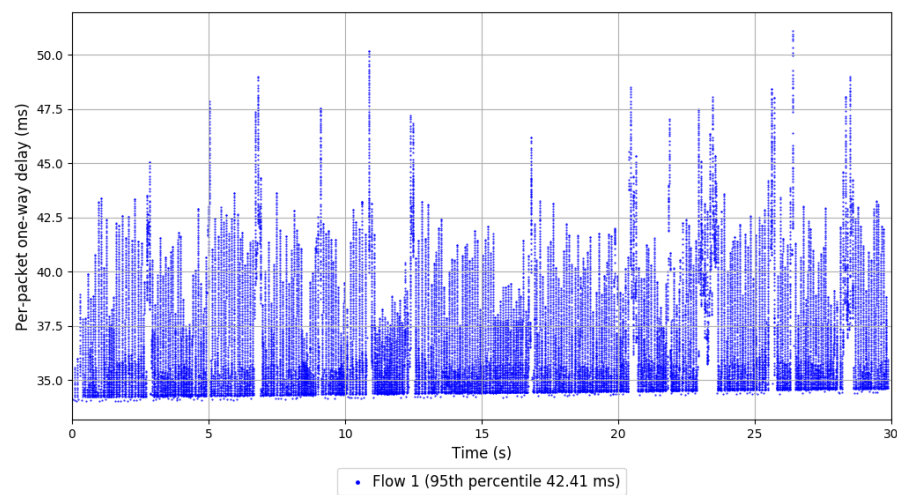
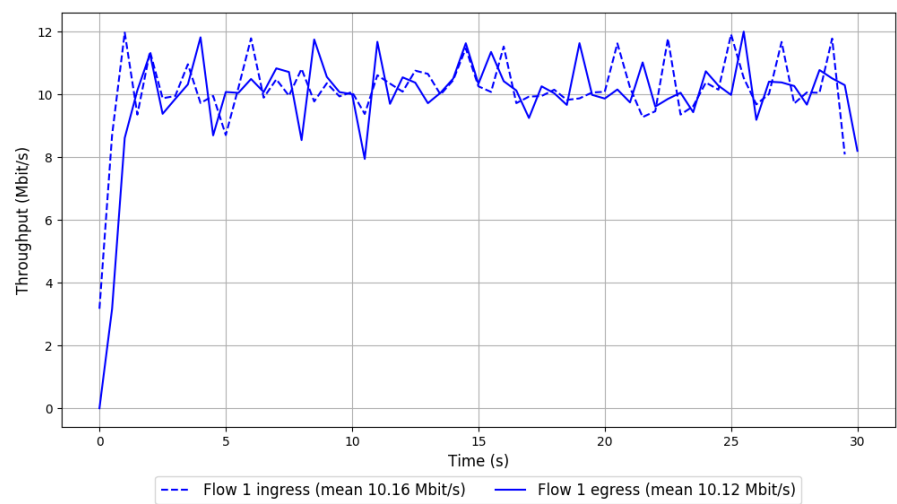
-- Flow 1:

Average throughput: 10.12 Mbit/s

95th percentile per-packet one-way delay: 42.415 ms

Loss rate: 0.58%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-18 01:22:55

End at: 2018-07-18 01:23:25

Local clock offset: 0.46 ms

Remote clock offset: -0.448 ms

Below is generated by plot.py at 2018-07-18 05:25:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.97 Mbit/s

95th percentile per-packet one-way delay: 46.926 ms

Loss rate: 0.15%

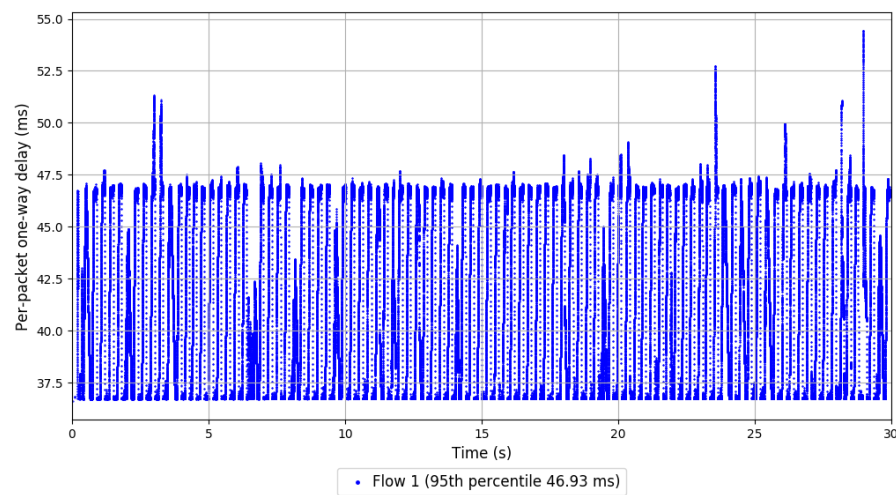
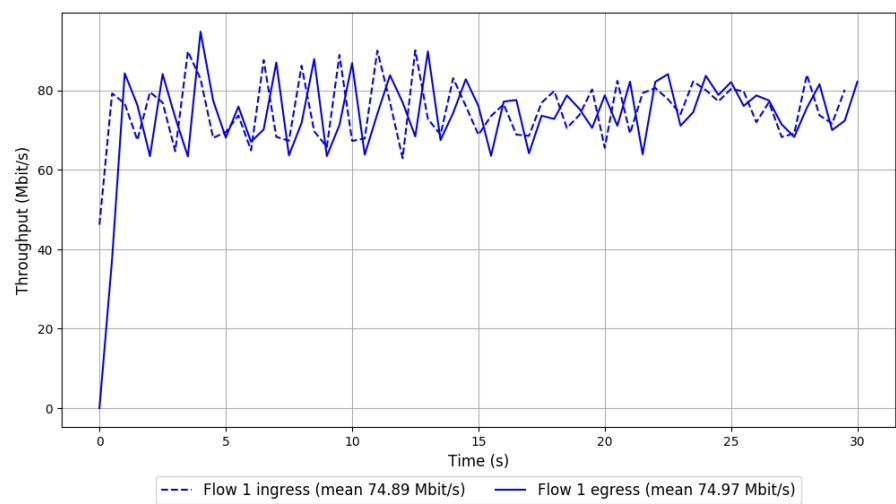
-- Flow 1:

Average throughput: 74.97 Mbit/s

95th percentile per-packet one-way delay: 46.926 ms

Loss rate: 0.15%

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

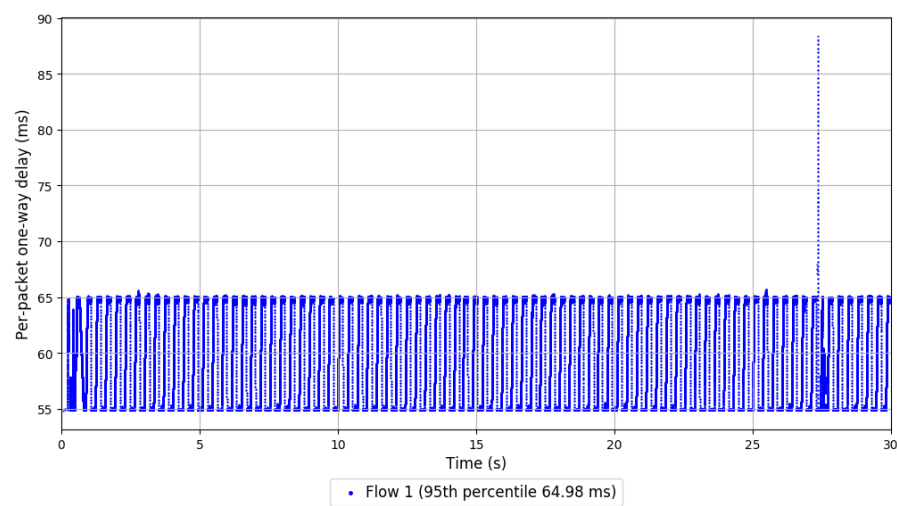
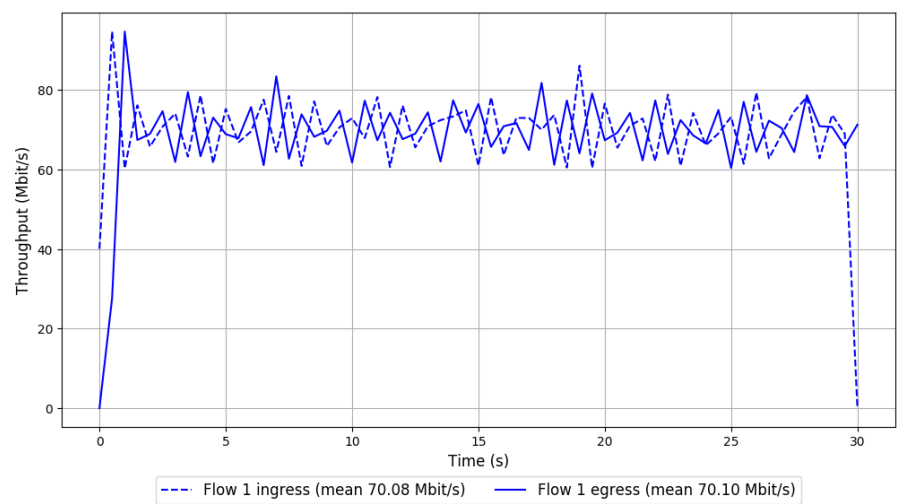


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-18 01:45:11
End at: 2018-07-18 01:45:41
Local clock offset: 0.472 ms
Remote clock offset: -5.458 ms

Below is generated by plot.py at 2018-07-18 05:25:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.10 Mbit/s
95th percentile per-packet one-way delay: 64.978 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 70.10 Mbit/s
95th percentile per-packet one-way delay: 64.978 ms
Loss rate: 0.27%

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

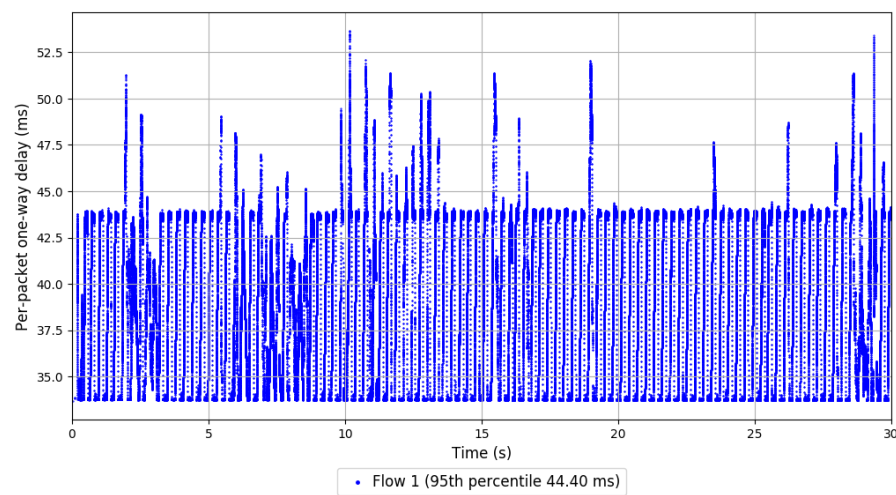
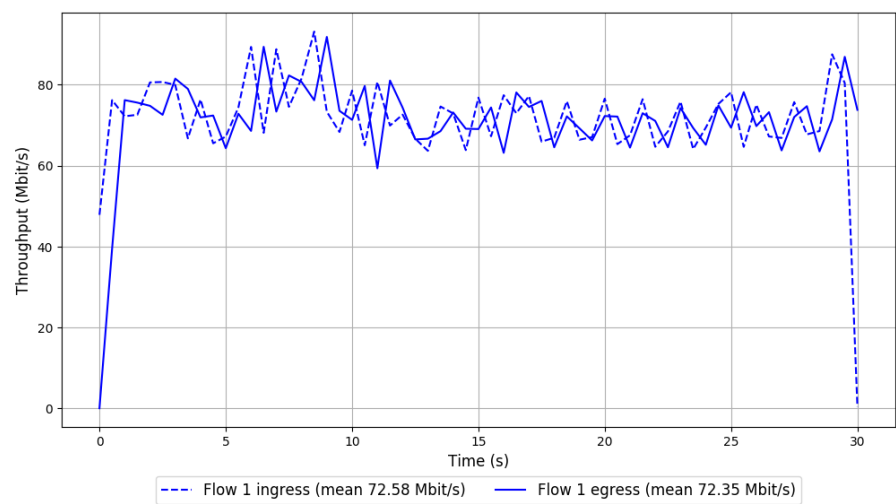


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-18 02:07:51
End at: 2018-07-18 02:08:21
Local clock offset: 0.844 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-18 05:25:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.35 Mbit/s
95th percentile per-packet one-way delay: 44.403 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 72.35 Mbit/s
95th percentile per-packet one-way delay: 44.403 ms
Loss rate: 0.56%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-18 02:31:18

End at: 2018-07-18 02:31:48

Local clock offset: 0.902 ms

Remote clock offset: 2.09 ms

Below is generated by plot.py at 2018-07-18 05:25:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.45 Mbit/s

95th percentile per-packet one-way delay: 41.913 ms

Loss rate: 0.30%

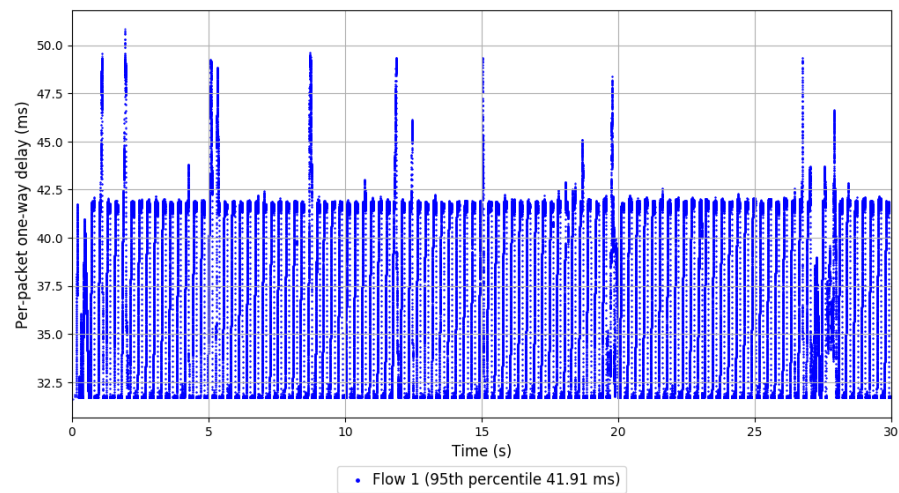
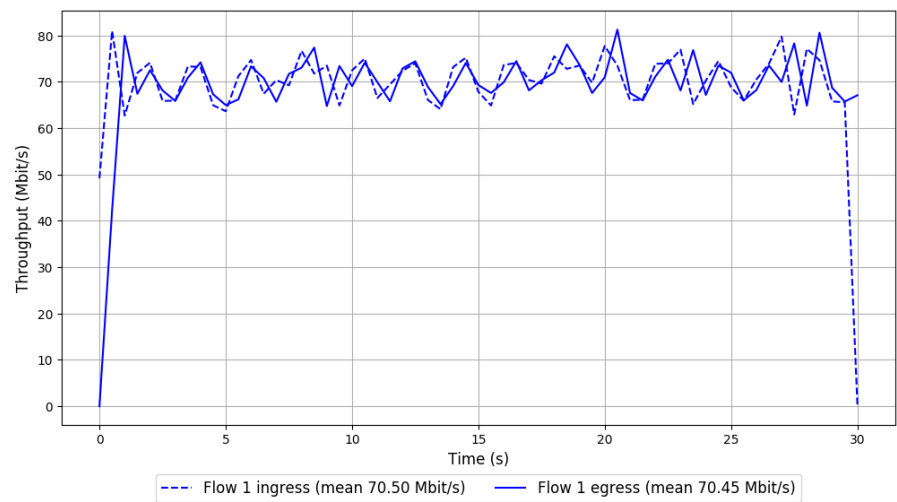
-- Flow 1:

Average throughput: 70.45 Mbit/s

95th percentile per-packet one-way delay: 41.913 ms

Loss rate: 0.30%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-18 02:54:52

End at: 2018-07-18 02:55:22

Local clock offset: 1.027 ms

Remote clock offset: 1.897 ms

Below is generated by plot.py at 2018-07-18 05:25:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.15 Mbit/s

95th percentile per-packet one-way delay: 44.836 ms

Loss rate: 0.89%

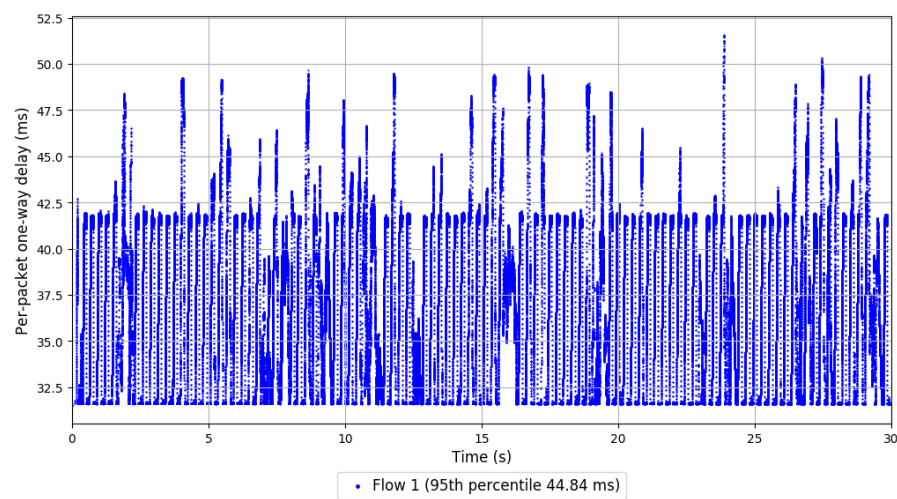
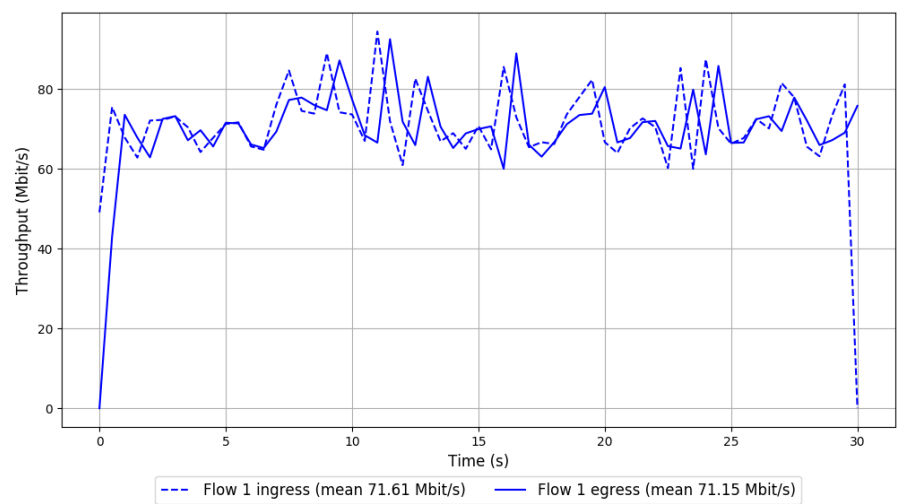
-- Flow 1:

Average throughput: 71.15 Mbit/s

95th percentile per-packet one-way delay: 44.836 ms

Loss rate: 0.89%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-18 03:20:25

End at: 2018-07-18 03:20:55

Local clock offset: 4.15 ms

Remote clock offset: -2.817 ms

Below is generated by plot.py at 2018-07-18 05:25:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.67 Mbit/s

95th percentile per-packet one-way delay: 40.226 ms

Loss rate: 2.15%

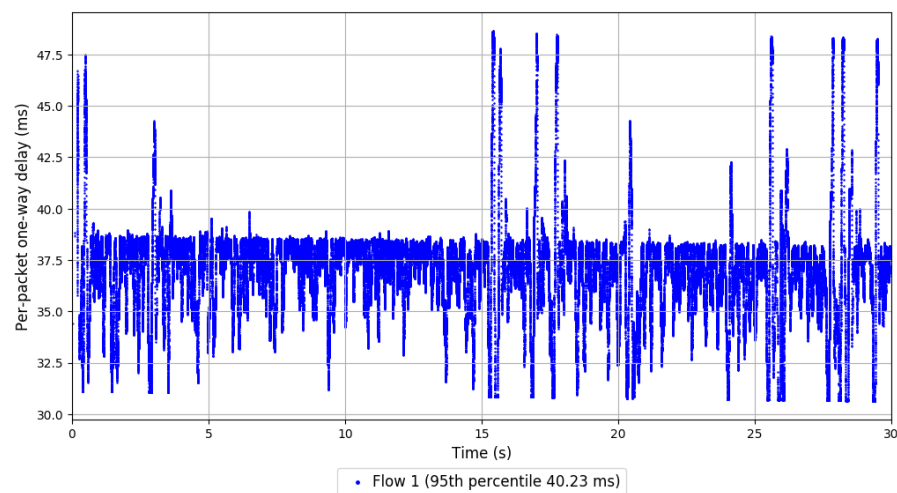
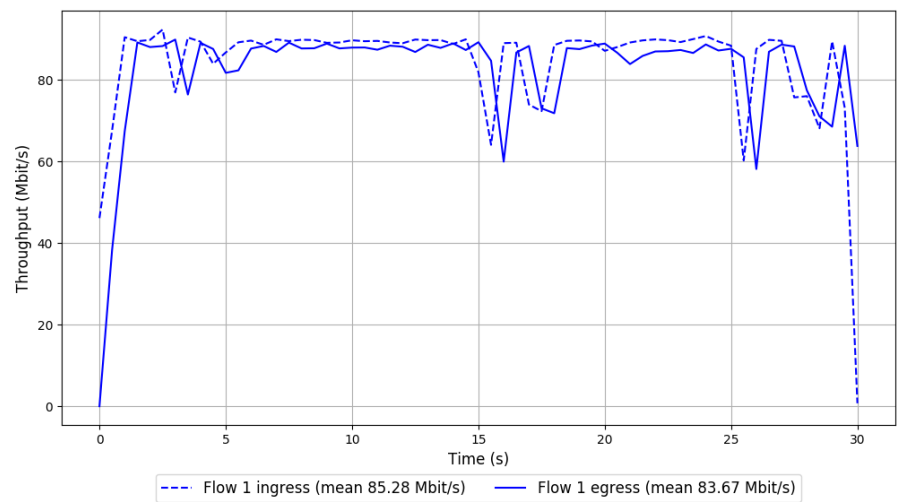
-- Flow 1:

Average throughput: 83.67 Mbit/s

95th percentile per-packet one-way delay: 40.226 ms

Loss rate: 2.15%

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

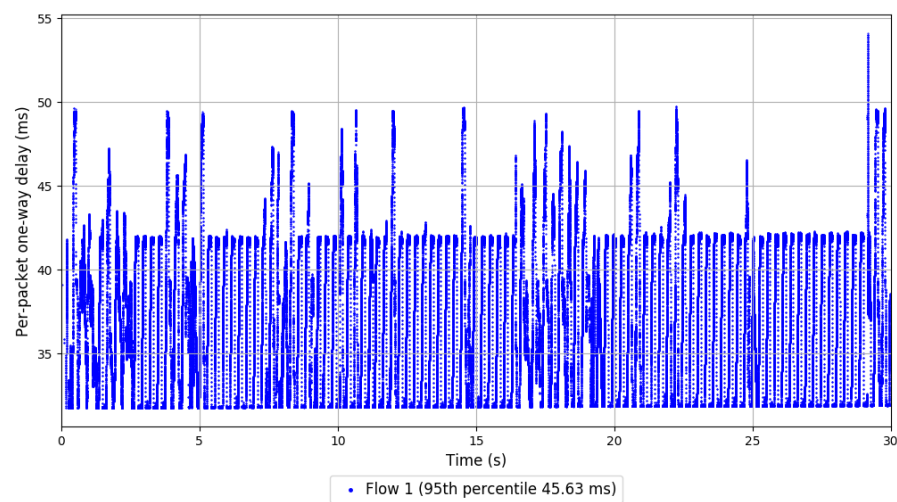
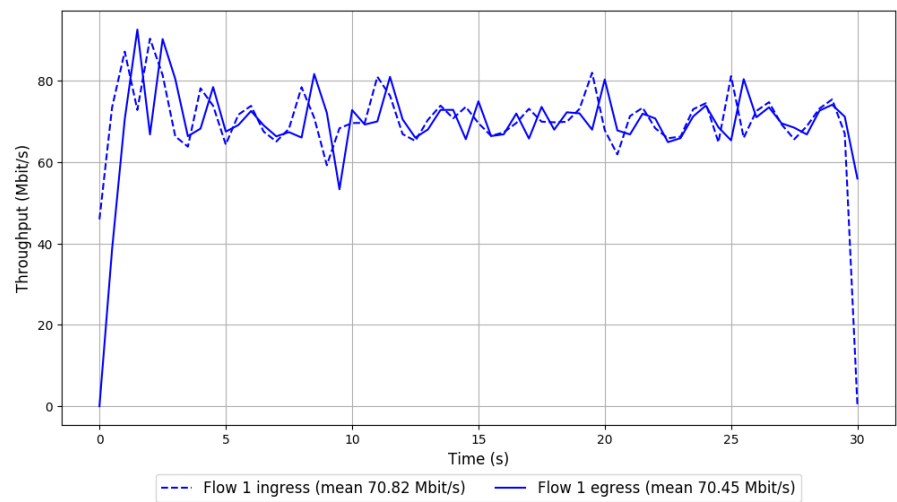


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-18 03:46:14
End at: 2018-07-18 03:46:44
Local clock offset: 13.284 ms
Remote clock offset: -2.247 ms

Below is generated by plot.py at 2018-07-18 05:25:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.45 Mbit/s
95th percentile per-packet one-way delay: 45.632 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 70.45 Mbit/s
95th percentile per-packet one-way delay: 45.632 ms
Loss rate: 0.78%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-18 04:11:38

End at: 2018-07-18 04:12:08

Local clock offset: 12.84 ms

Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-07-18 05:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.01 Mbit/s

95th percentile per-packet one-way delay: 43.881 ms

Loss rate: 1.34%

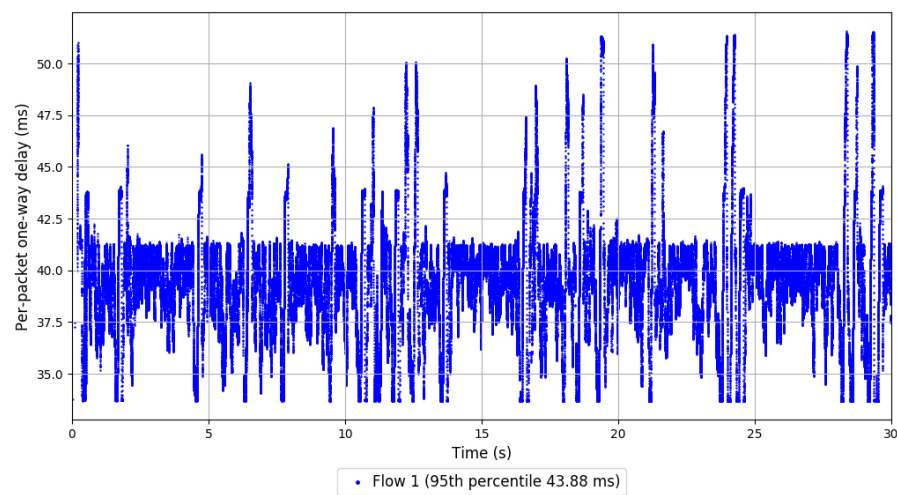
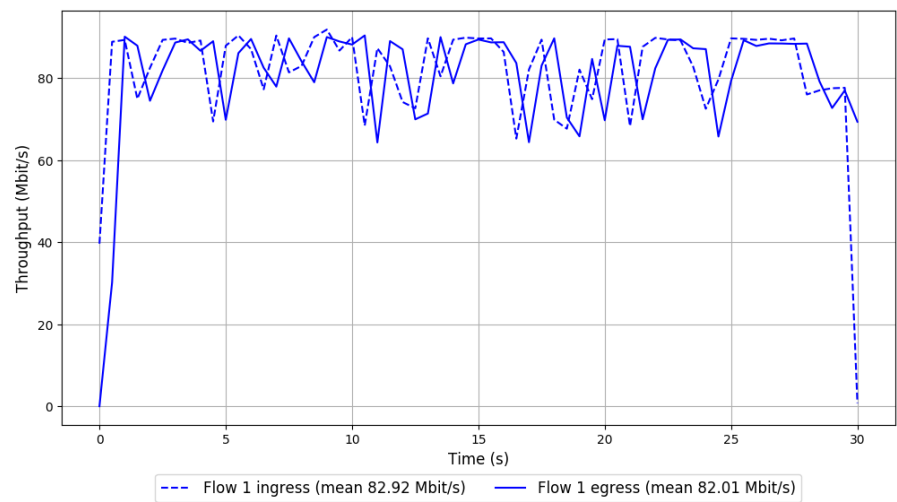
-- Flow 1:

Average throughput: 82.01 Mbit/s

95th percentile per-packet one-way delay: 43.881 ms

Loss rate: 1.34%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-18 04:36:15

End at: 2018-07-18 04:36:45

Local clock offset: 11.185 ms

Remote clock offset: 2.764 ms

Below is generated by plot.py at 2018-07-18 05:26:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.82 Mbit/s

95th percentile per-packet one-way delay: 43.239 ms

Loss rate: 0.63%

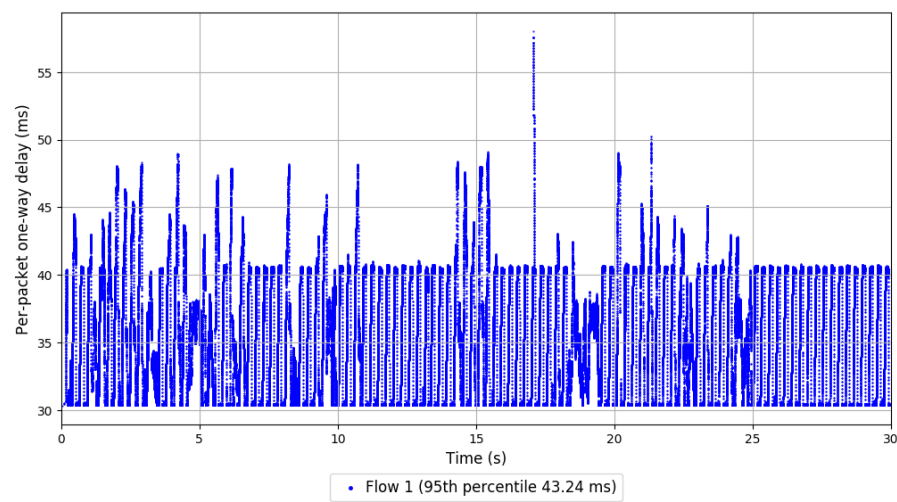
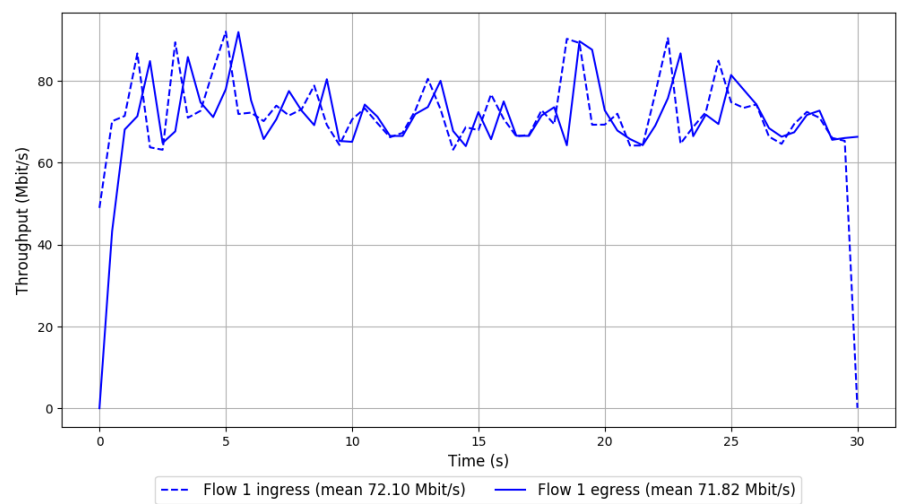
-- Flow 1:

Average throughput: 71.82 Mbit/s

95th percentile per-packet one-way delay: 43.239 ms

Loss rate: 0.63%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-18 04:59:56

End at: 2018-07-18 05:00:26

Local clock offset: 1.813 ms

Remote clock offset: 1.114 ms

Below is generated by plot.py at 2018-07-18 05:27:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.12 Mbit/s

95th percentile per-packet one-way delay: 41.245 ms

Loss rate: 1.04%

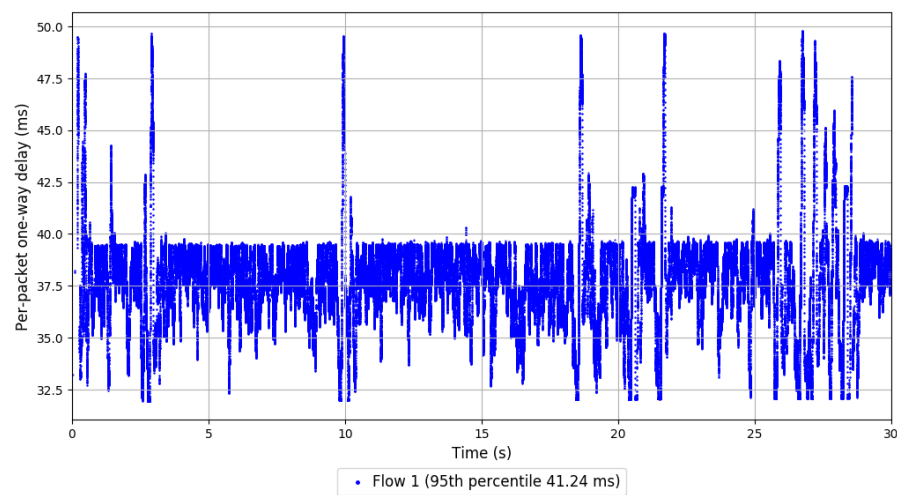
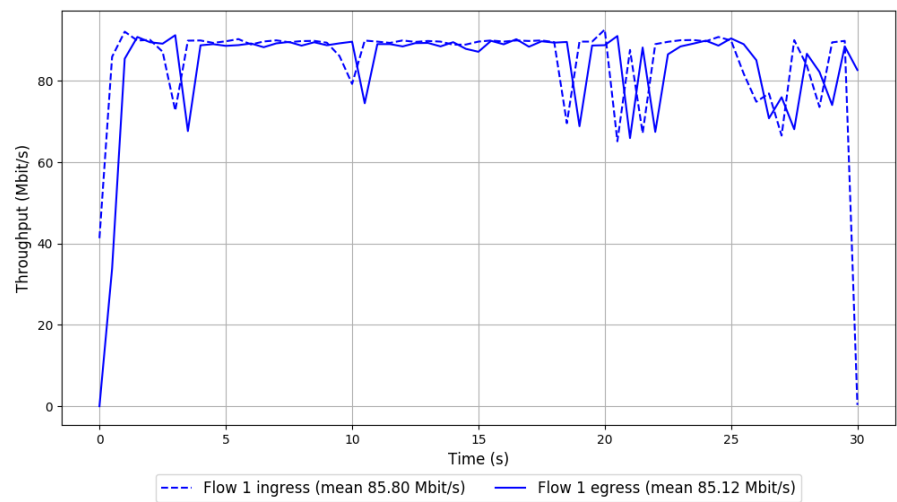
-- Flow 1:

Average throughput: 85.12 Mbit/s

95th percentile per-packet one-way delay: 41.245 ms

Loss rate: 1.04%

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

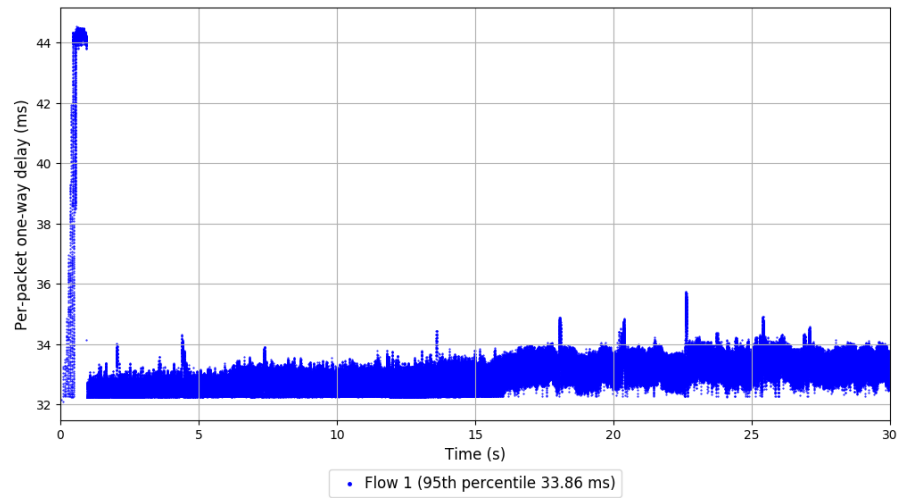
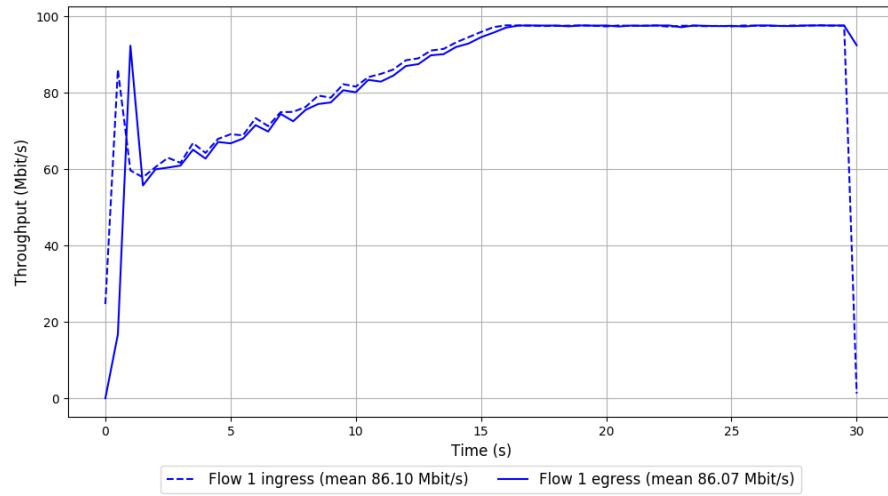


Run 1: Statistics of TCP Vegas

Start at: 2018-07-18 01:20:17
End at: 2018-07-18 01:20:47
Local clock offset: 0.58 ms
Remote clock offset: -5.925 ms

Below is generated by plot.py at 2018-07-18 05:27:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.07 Mbit/s
95th percentile per-packet one-way delay: 33.860 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 86.07 Mbit/s
95th percentile per-packet one-way delay: 33.860 ms
Loss rate: 0.25%

Run 1: Report of TCP Vegas — Data Link

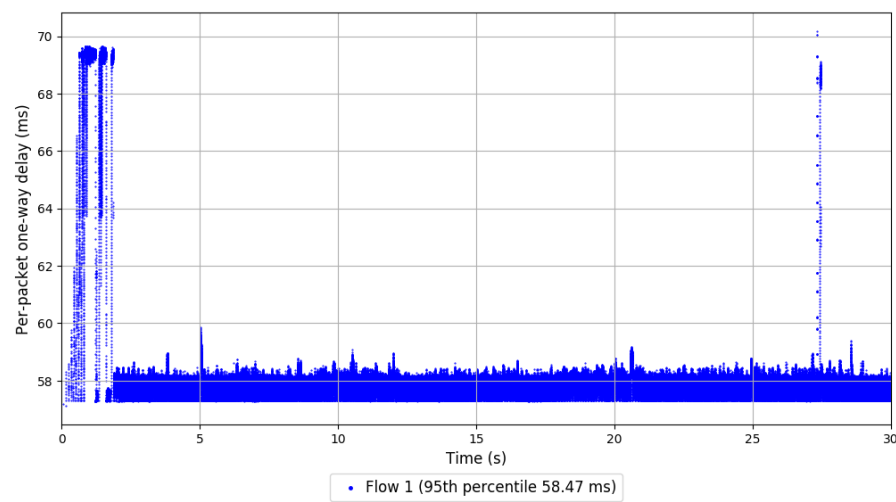
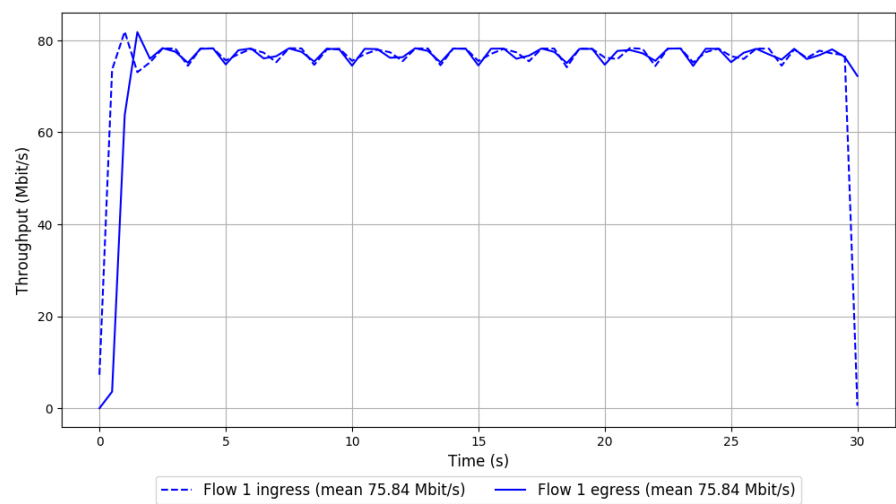


Run 2: Statistics of TCP Vegas

Start at: 2018-07-18 01:42:32
End at: 2018-07-18 01:43:02
Local clock offset: 0.497 ms
Remote clock offset: -2.962 ms

Below is generated by plot.py at 2018-07-18 05:27:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.84 Mbit/s
95th percentile per-packet one-way delay: 58.474 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 75.84 Mbit/s
95th percentile per-packet one-way delay: 58.474 ms
Loss rate: 0.32%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-18 02:05:09

End at: 2018-07-18 02:05:39

Local clock offset: 0.838 ms

Remote clock offset: 1.893 ms

Below is generated by plot.py at 2018-07-18 05:27:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.69 Mbit/s

95th percentile per-packet one-way delay: 32.643 ms

Loss rate: 0.27%

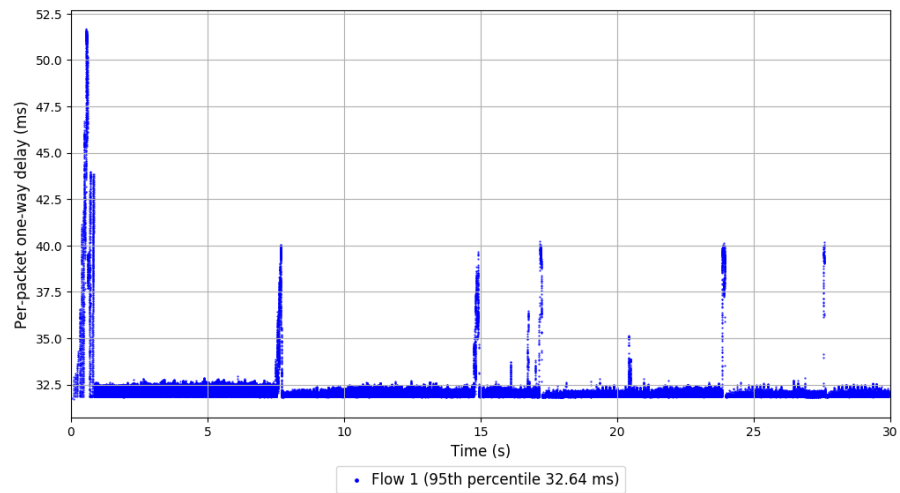
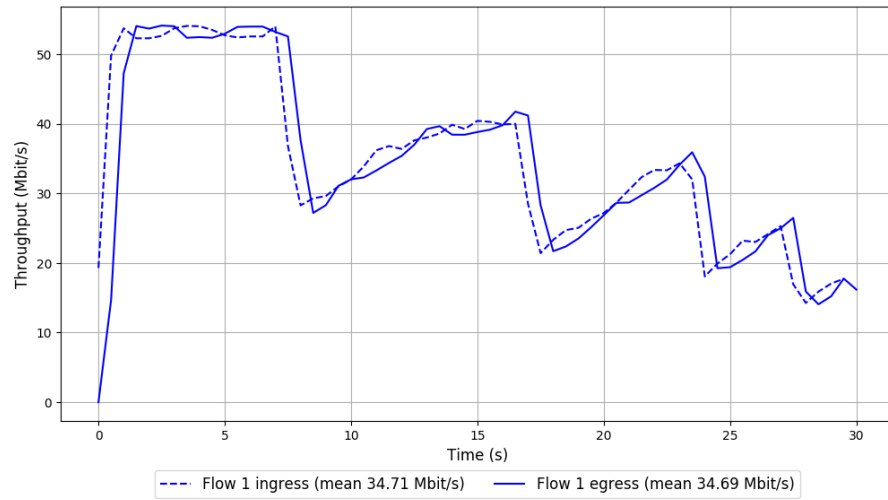
-- Flow 1:

Average throughput: 34.69 Mbit/s

95th percentile per-packet one-way delay: 32.643 ms

Loss rate: 0.27%

Run 3: Report of TCP Vegas — Data Link

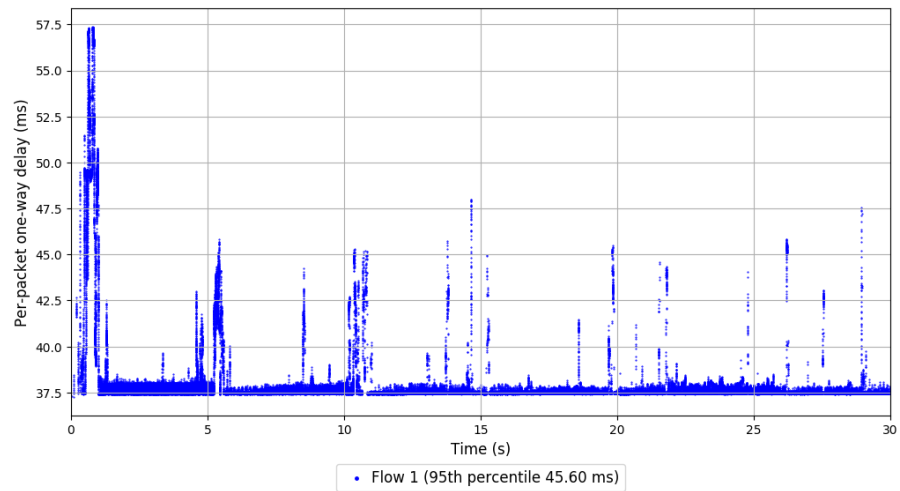
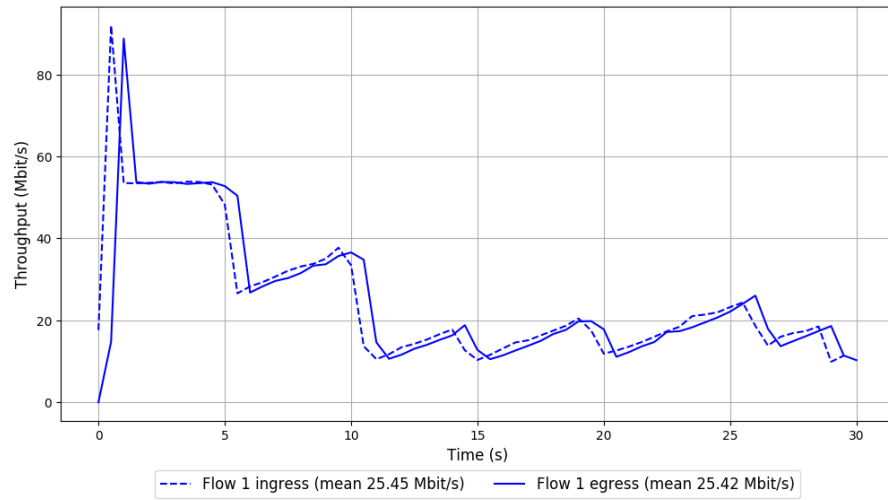


Run 4: Statistics of TCP Vegas

Start at: 2018-07-18 02:28:31
End at: 2018-07-18 02:29:01
Local clock offset: 0.88 ms
Remote clock offset: -3.658 ms

Below is generated by plot.py at 2018-07-18 05:27:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.42 Mbit/s
95th percentile per-packet one-way delay: 45.598 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 25.42 Mbit/s
95th percentile per-packet one-way delay: 45.598 ms
Loss rate: 0.32%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-18 02:52:00

End at: 2018-07-18 02:52:30

Local clock offset: 0.95 ms

Remote clock offset: 1.872 ms

Below is generated by plot.py at 2018-07-18 05:27:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.53 Mbit/s

95th percentile per-packet one-way delay: 35.628 ms

Loss rate: 0.40%

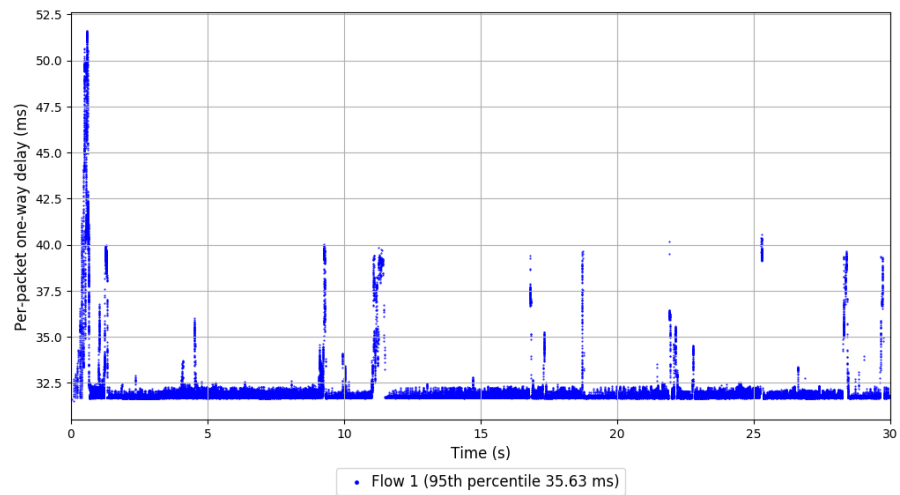
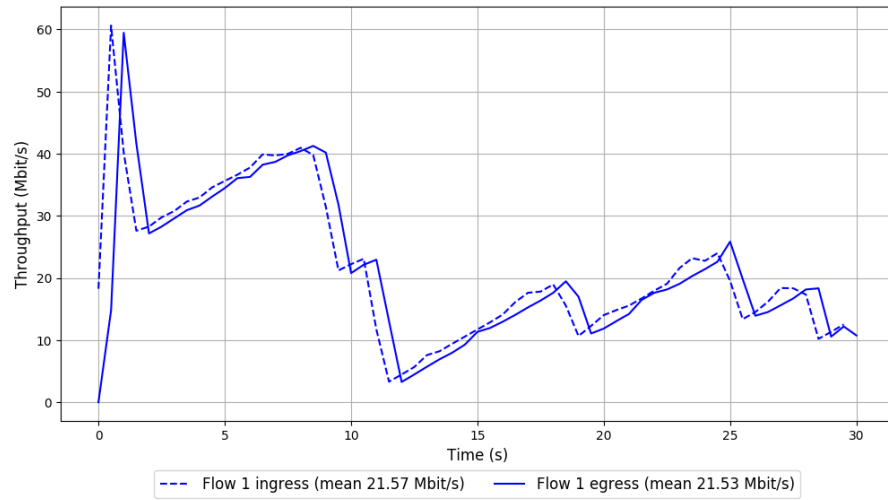
-- Flow 1:

Average throughput: 21.53 Mbit/s

95th percentile per-packet one-way delay: 35.628 ms

Loss rate: 0.40%

Run 5: Report of TCP Vegas — Data Link

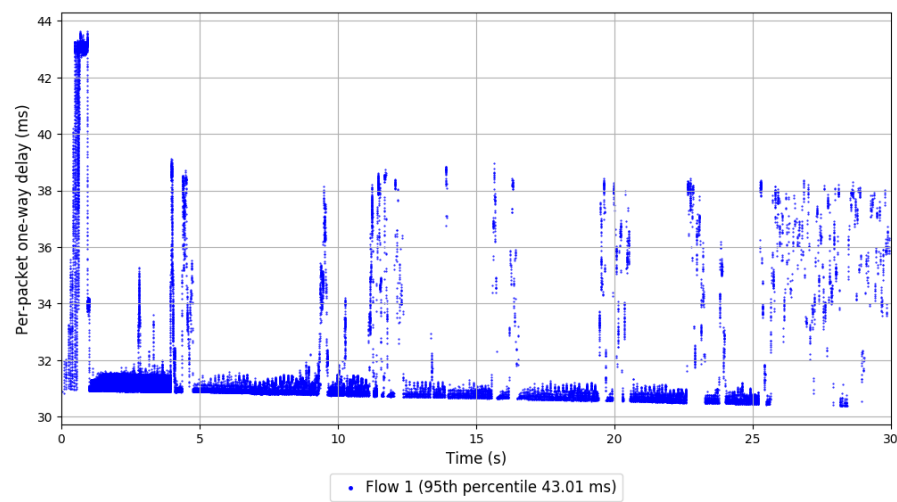
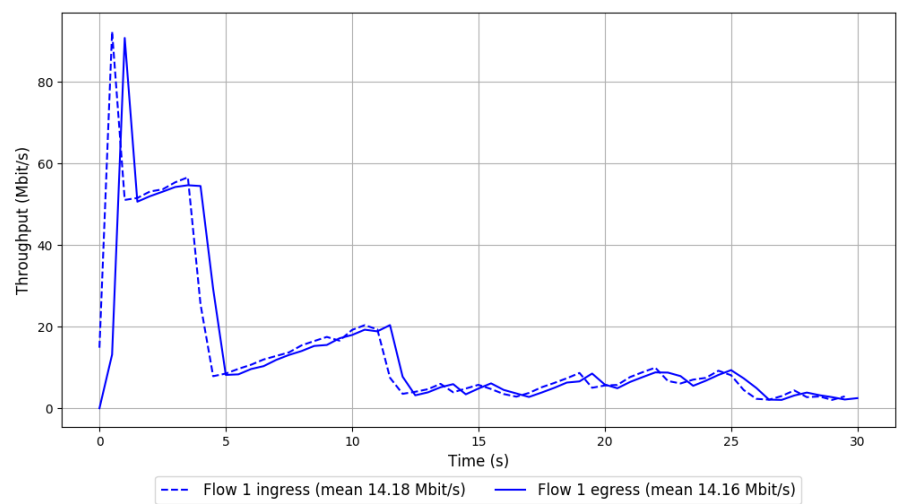


Run 6: Statistics of TCP Vegas

Start at: 2018-07-18 03:17:28
End at: 2018-07-18 03:17:58
Local clock offset: 1.299 ms
Remote clock offset: -2.255 ms

Below is generated by plot.py at 2018-07-18 05:27:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.16 Mbit/s
95th percentile per-packet one-way delay: 43.014 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 14.16 Mbit/s
95th percentile per-packet one-way delay: 43.014 ms
Loss rate: 0.36%

Run 6: Report of TCP Vegas — Data Link

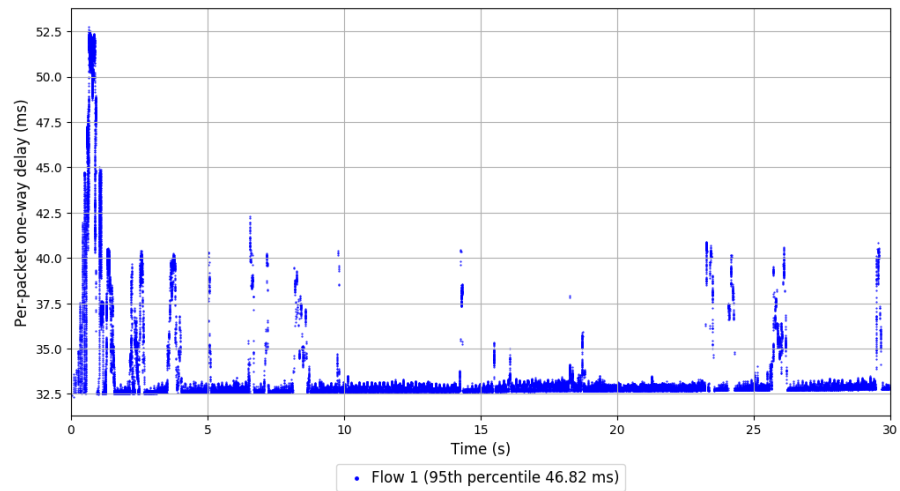
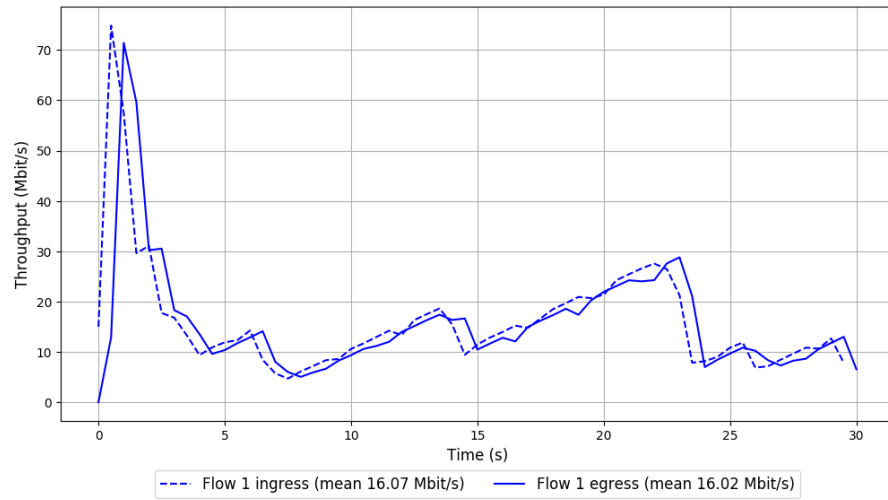


Run 7: Statistics of TCP Vegas

Start at: 2018-07-18 03:43:31
End at: 2018-07-18 03:44:01
Local clock offset: 12.838 ms
Remote clock offset: -4.504 ms

Below is generated by plot.py at 2018-07-18 05:27:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.02 Mbit/s
95th percentile per-packet one-way delay: 46.824 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 16.02 Mbit/s
95th percentile per-packet one-way delay: 46.824 ms
Loss rate: 0.51%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-18 04:08:37

End at: 2018-07-18 04:09:07

Local clock offset: 12.634 ms

Remote clock offset: 3.388 ms

Below is generated by plot.py at 2018-07-18 05:27:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 37.654 ms

Loss rate: 0.89%

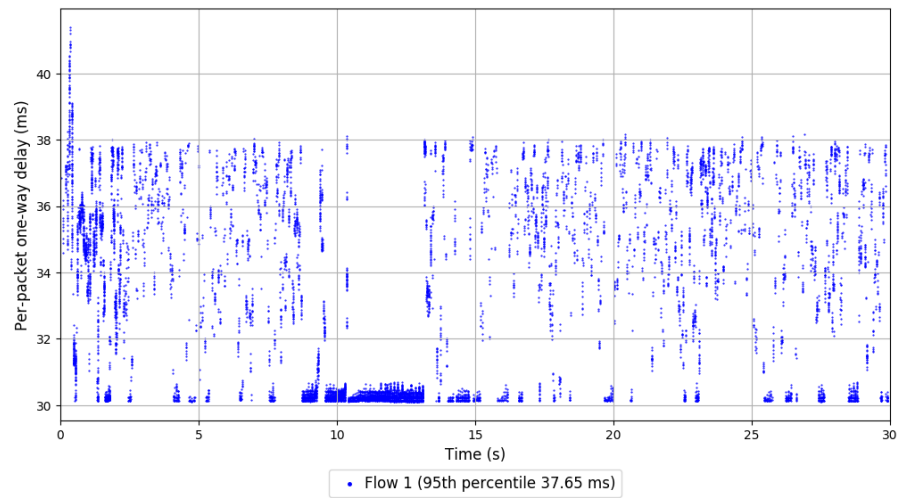
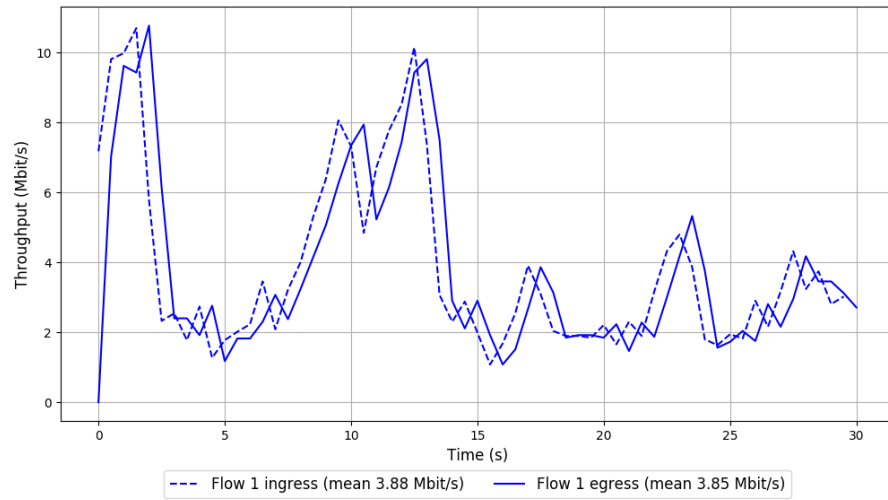
-- Flow 1:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 37.654 ms

Loss rate: 0.89%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-18 04:33:32

End at: 2018-07-18 04:34:02

Local clock offset: 11.204 ms

Remote clock offset: -0.49 ms

Below is generated by plot.py at 2018-07-18 05:27:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.53 Mbit/s

95th percentile per-packet one-way delay: 50.912 ms

Loss rate: 0.69%

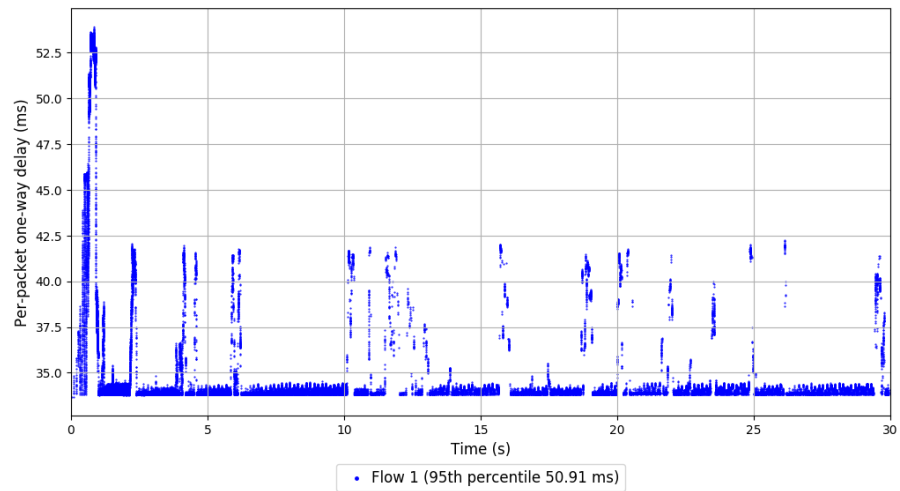
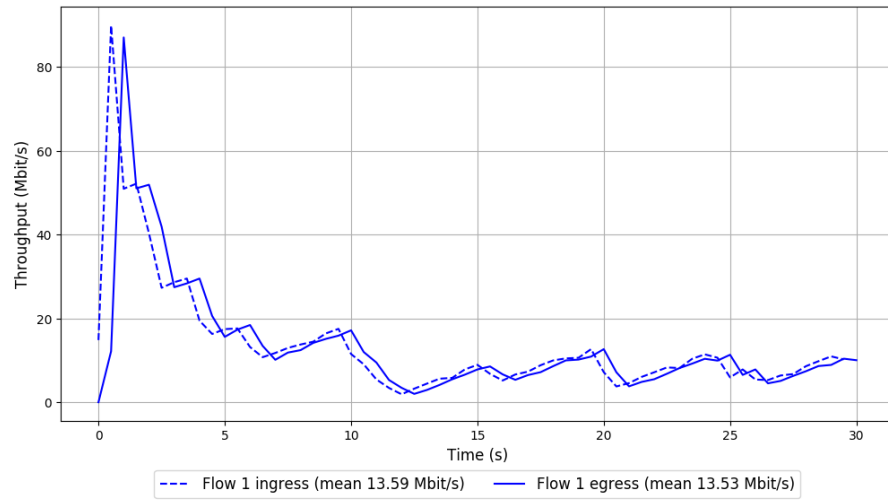
-- Flow 1:

Average throughput: 13.53 Mbit/s

95th percentile per-packet one-way delay: 50.912 ms

Loss rate: 0.69%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-18 04:57:17

End at: 2018-07-18 04:57:47

Local clock offset: 3.04 ms

Remote clock offset: -0.844 ms

Below is generated by plot.py at 2018-07-18 05:27:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.45 Mbit/s

95th percentile per-packet one-way delay: 46.012 ms

Loss rate: 0.28%

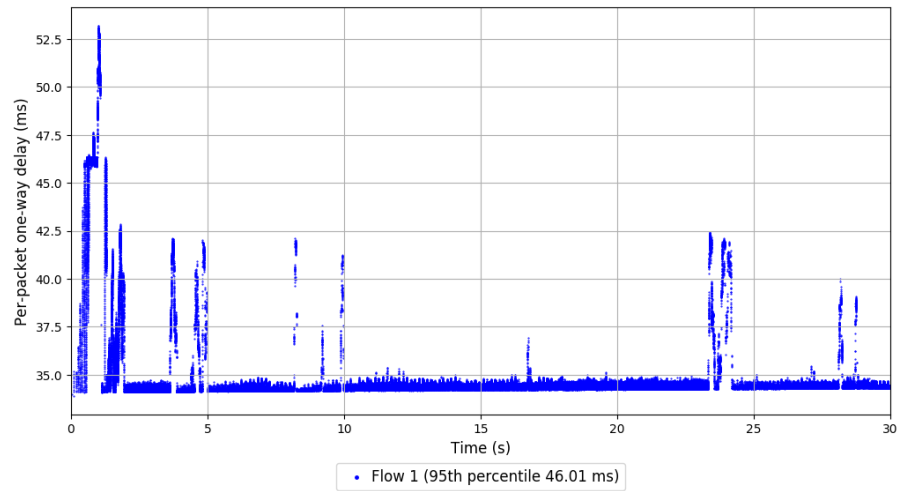
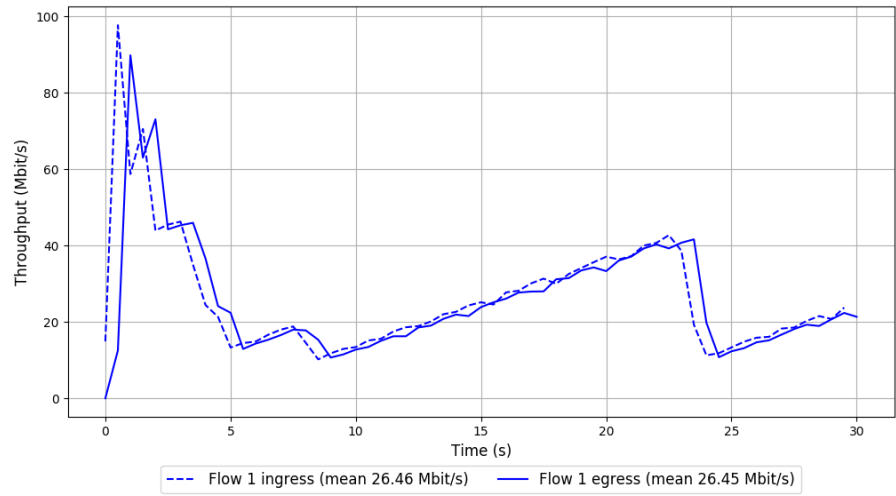
-- Flow 1:

Average throughput: 26.45 Mbit/s

95th percentile per-packet one-way delay: 46.012 ms

Loss rate: 0.28%

Run 10: Report of TCP Vegas — Data Link

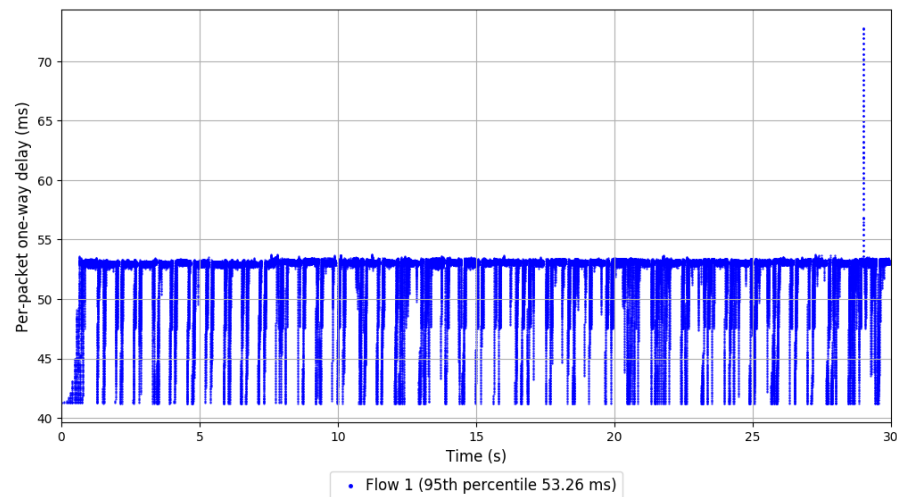
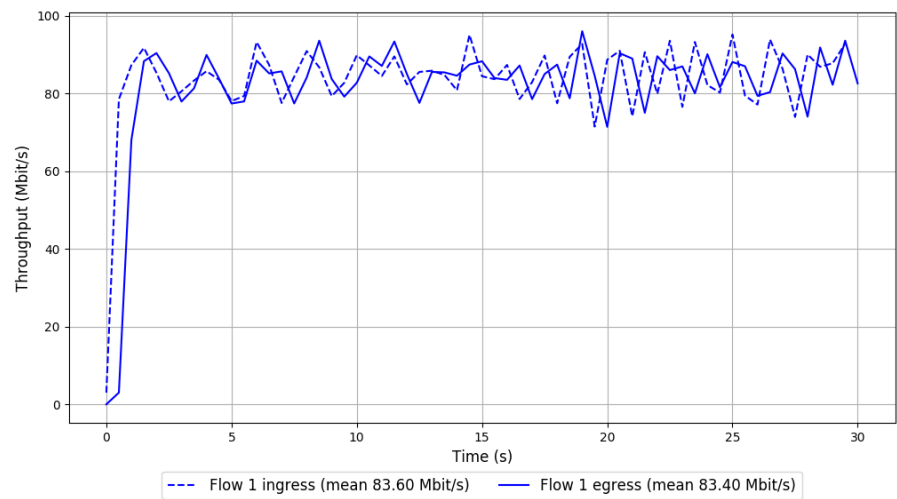


Run 1: Statistics of Verus

Start at: 2018-07-18 01:26:49
End at: 2018-07-18 01:27:19
Local clock offset: 0.458 ms
Remote clock offset: -5.121 ms

Below is generated by plot.py at 2018-07-18 05:27:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.40 Mbit/s
95th percentile per-packet one-way delay: 53.261 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 83.40 Mbit/s
95th percentile per-packet one-way delay: 53.261 ms
Loss rate: 0.51%

Run 1: Report of Verus — Data Link

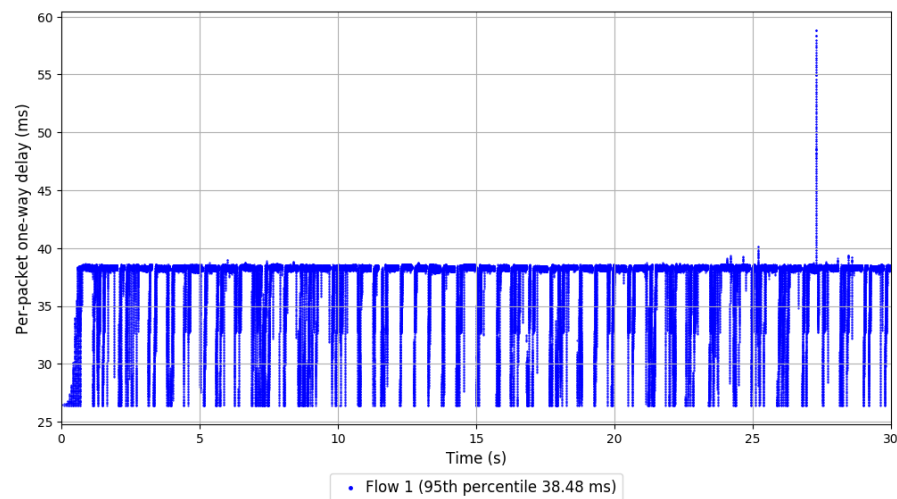
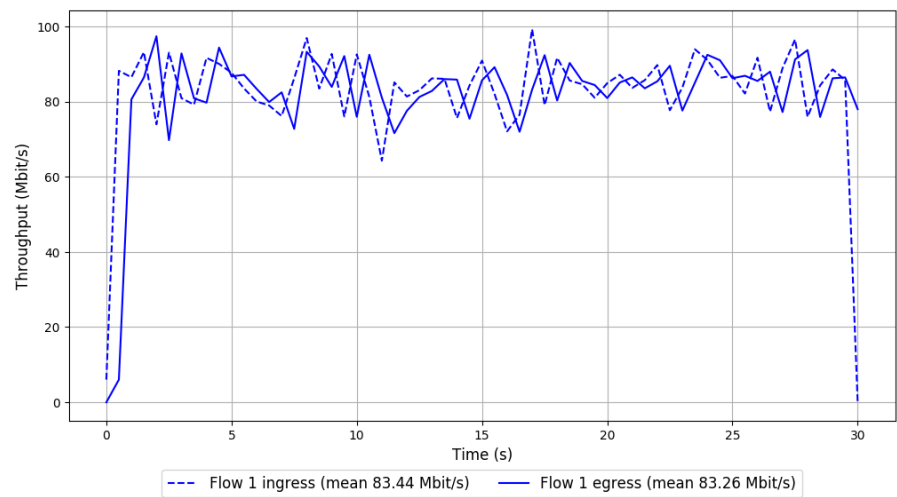


Run 2: Statistics of Verus

Start at: 2018-07-18 01:49:05
End at: 2018-07-18 01:49:35
Local clock offset: 0.532 ms
Remote clock offset: -0.414 ms

Below is generated by plot.py at 2018-07-18 05:27:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.26 Mbit/s
95th percentile per-packet one-way delay: 38.476 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 83.26 Mbit/s
95th percentile per-packet one-way delay: 38.476 ms
Loss rate: 0.46%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-18 02:11:49

End at: 2018-07-18 02:12:19

Local clock offset: 0.83 ms

Remote clock offset: 1.819 ms

Below is generated by plot.py at 2018-07-18 05:27:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.05 Mbit/s

95th percentile per-packet one-way delay: 43.803 ms

Loss rate: 0.52%

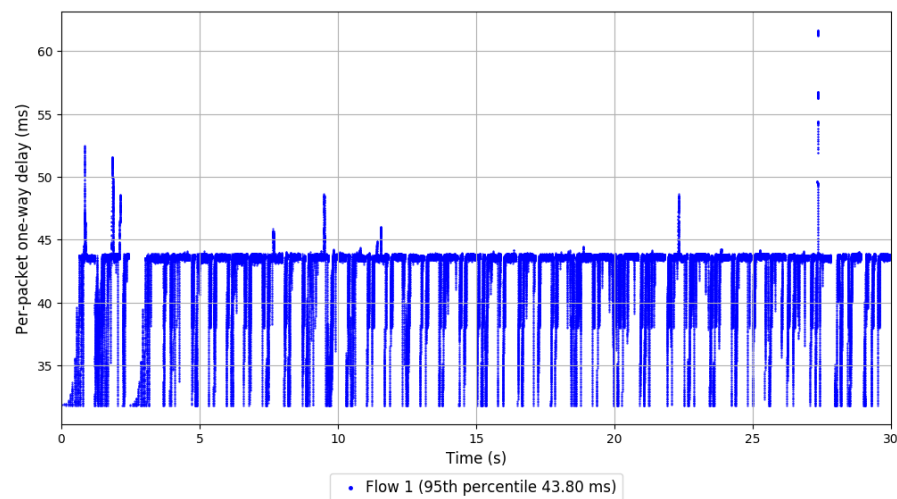
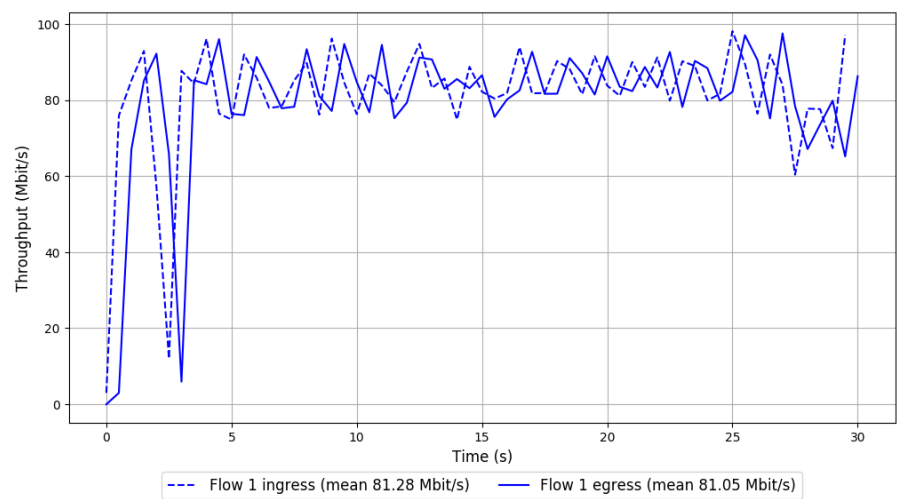
-- Flow 1:

Average throughput: 81.05 Mbit/s

95th percentile per-packet one-way delay: 43.803 ms

Loss rate: 0.52%

Run 3: Report of Verus — Data Link

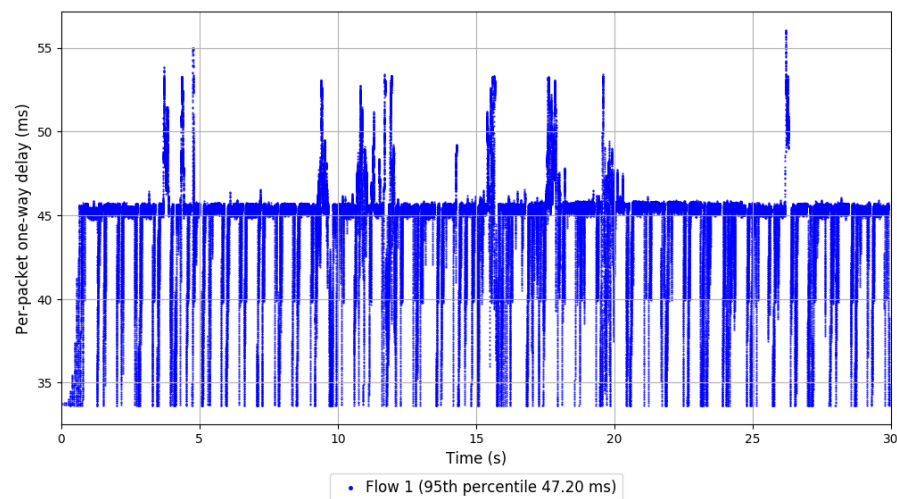
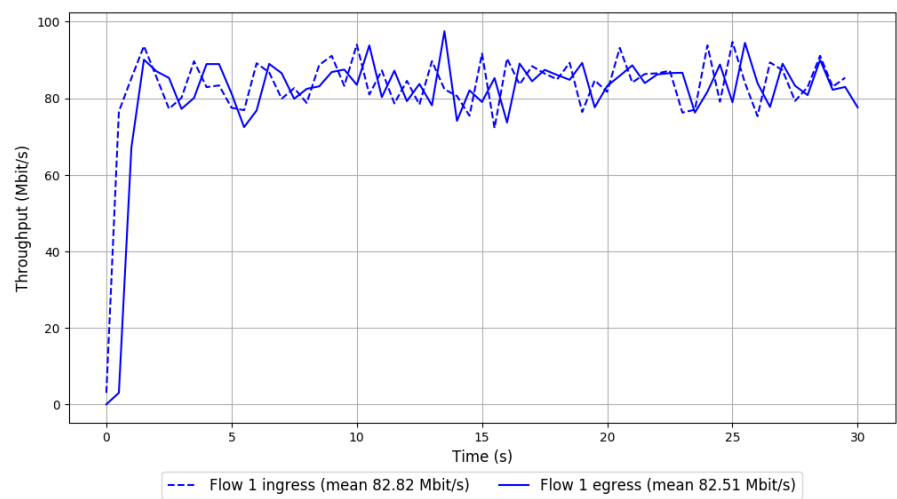


Run 4: Statistics of Verus

Start at: 2018-07-18 02:35:22
End at: 2018-07-18 02:35:52
Local clock offset: 0.791 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-18 05:27:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.51 Mbit/s
95th percentile per-packet one-way delay: 47.197 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 82.51 Mbit/s
95th percentile per-packet one-way delay: 47.197 ms
Loss rate: 0.61%

Run 4: Report of Verus — Data Link

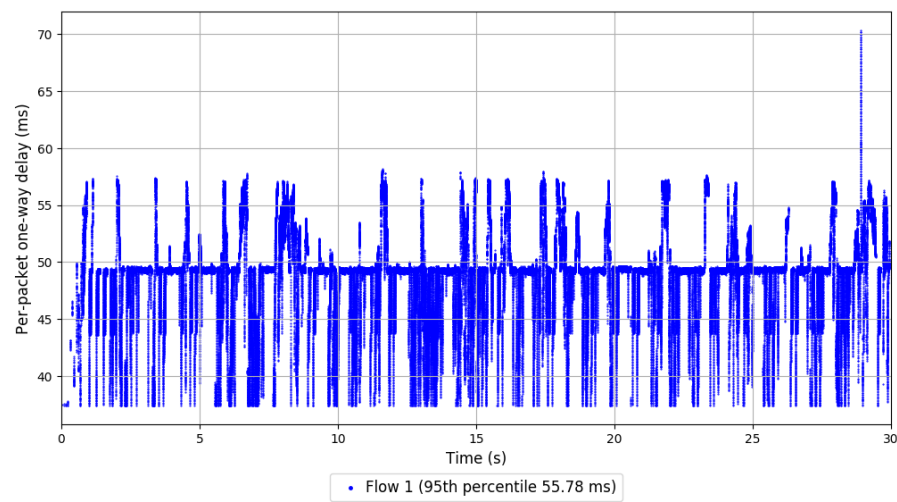
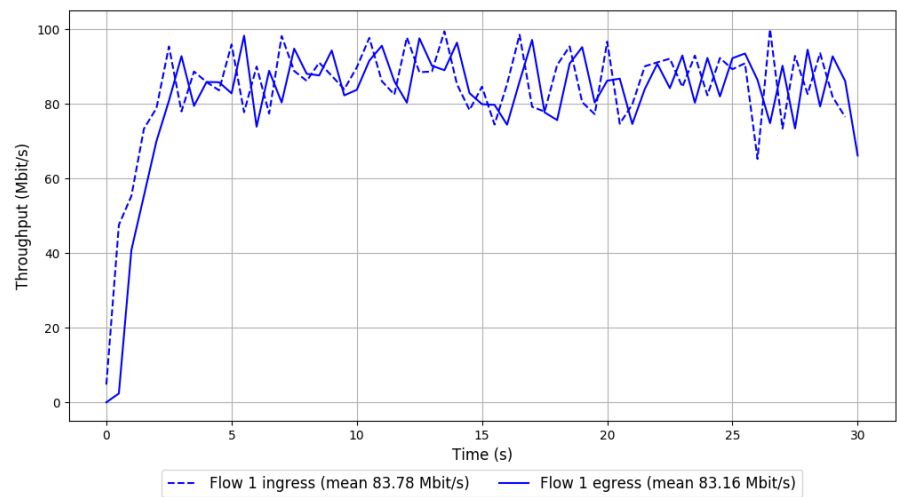


Run 5: Statistics of Verus

Start at: 2018-07-18 02:58:53
End at: 2018-07-18 02:59:23
Local clock offset: 1.105 ms
Remote clock offset: -3.774 ms

Below is generated by plot.py at 2018-07-18 05:27:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 55.783 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 55.783 ms
Loss rate: 0.99%

Run 5: Report of Verus — Data Link

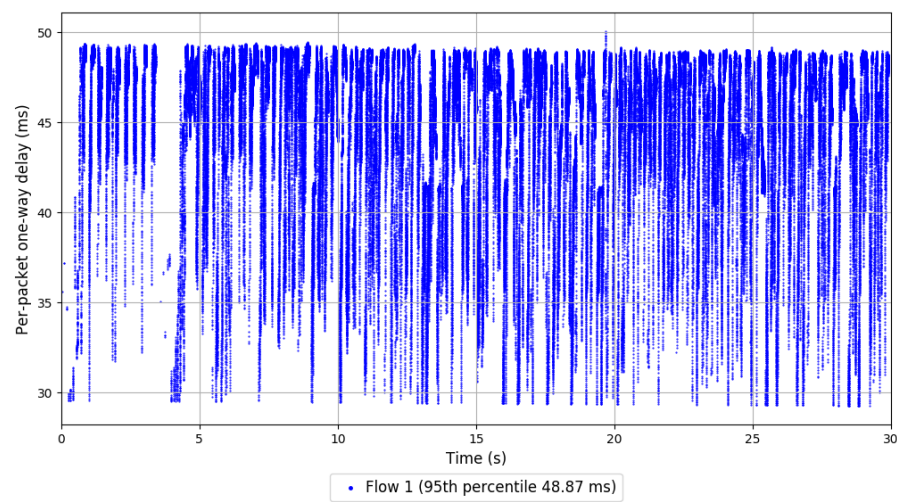
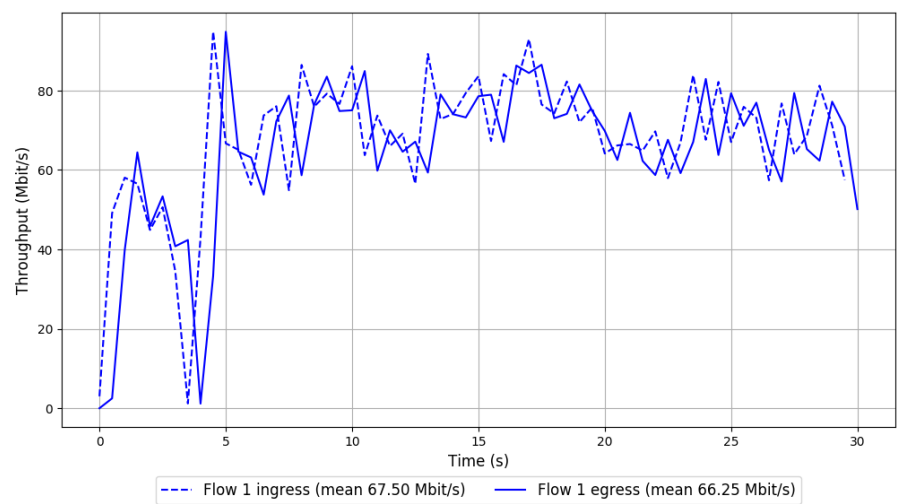


Run 6: Statistics of Verus

Start at: 2018-07-18 03:25:16
End at: 2018-07-18 03:25:46
Local clock offset: 7.543 ms
Remote clock offset: -1.688 ms

Below is generated by plot.py at 2018-07-18 05:27:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.25 Mbit/s
95th percentile per-packet one-way delay: 48.871 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 66.25 Mbit/s
95th percentile per-packet one-way delay: 48.871 ms
Loss rate: 2.23%

Run 6: Report of Verus — Data Link

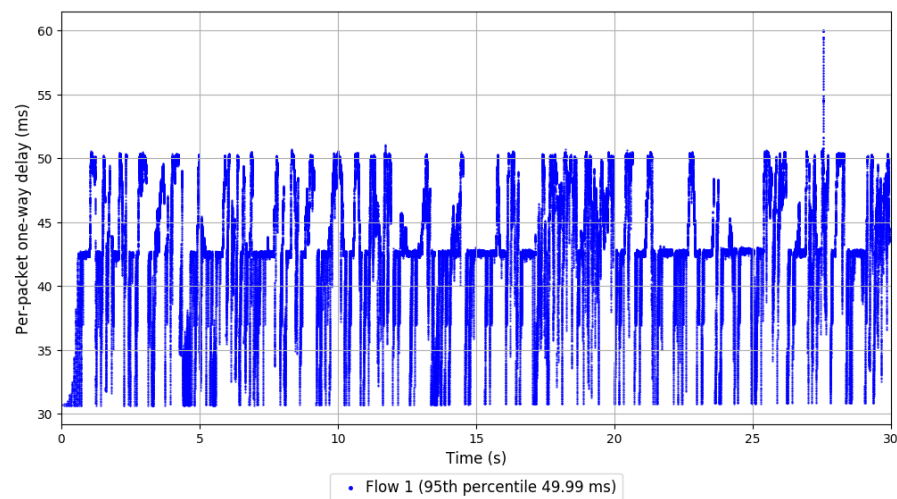
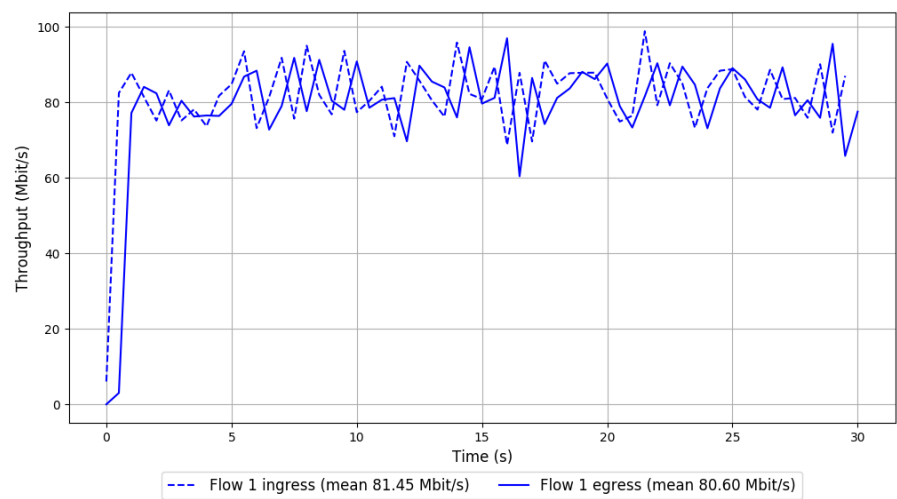


Run 7: Statistics of Verus

Start at: 2018-07-18 03:50:15
End at: 2018-07-18 03:50:45
Local clock offset: 12.878 ms
Remote clock offset: 0.513 ms

Below is generated by plot.py at 2018-07-18 05:27:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.60 Mbit/s
95th percentile per-packet one-way delay: 49.994 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 80.60 Mbit/s
95th percentile per-packet one-way delay: 49.994 ms
Loss rate: 1.29%

Run 7: Report of Verus — Data Link

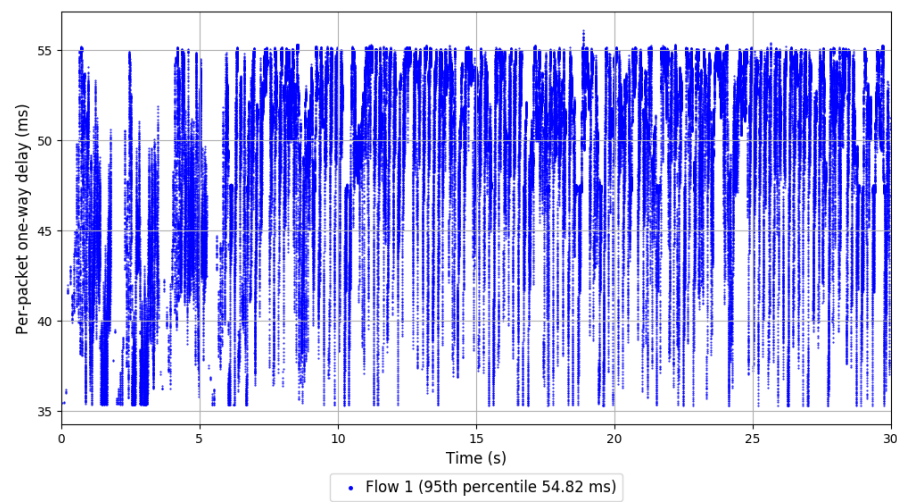
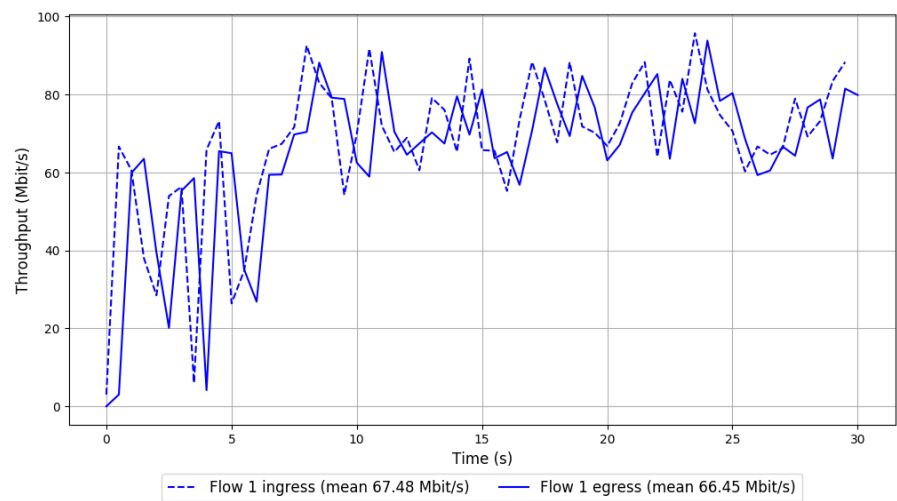


Run 8: Statistics of Verus

Start at: 2018-07-18 04:16:20
End at: 2018-07-18 04:16:50
Local clock offset: 13.212 ms
Remote clock offset: -1.746 ms

Below is generated by plot.py at 2018-07-18 05:27:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.45 Mbit/s
95th percentile per-packet one-way delay: 54.817 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 66.45 Mbit/s
95th percentile per-packet one-way delay: 54.817 ms
Loss rate: 1.76%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-18 04:40:27

End at: 2018-07-18 04:40:57

Local clock offset: 11.152 ms

Remote clock offset: 1.502 ms

Below is generated by plot.py at 2018-07-18 05:27:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.07 Mbit/s

95th percentile per-packet one-way delay: 50.568 ms

Loss rate: 0.79%

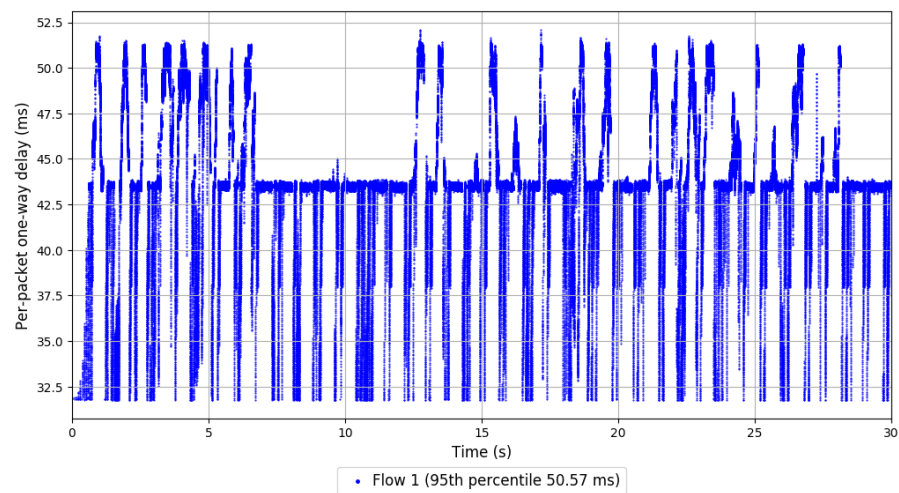
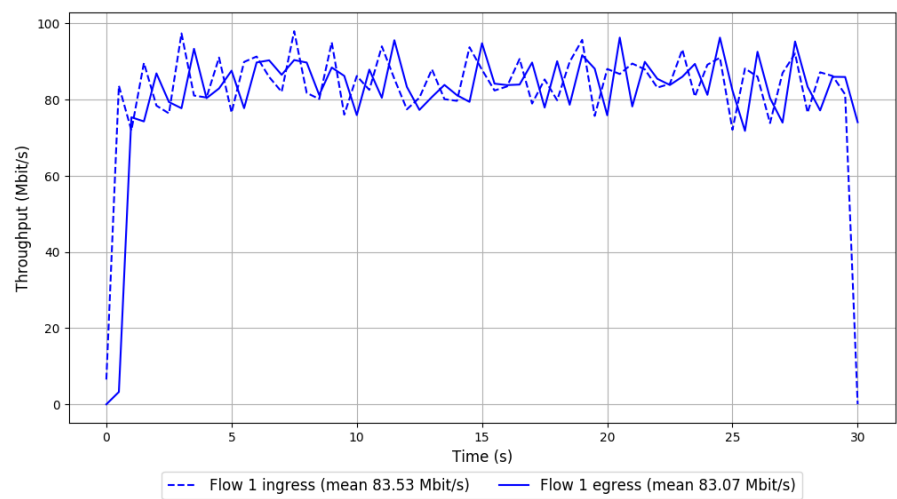
-- Flow 1:

Average throughput: 83.07 Mbit/s

95th percentile per-packet one-way delay: 50.568 ms

Loss rate: 0.79%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-18 05:04:28

End at: 2018-07-18 05:04:58

Local clock offset: 0.384 ms

Remote clock offset: 1.008 ms

Below is generated by plot.py at 2018-07-18 05:27:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.01 Mbit/s

95th percentile per-packet one-way delay: 51.216 ms

Loss rate: 0.95%

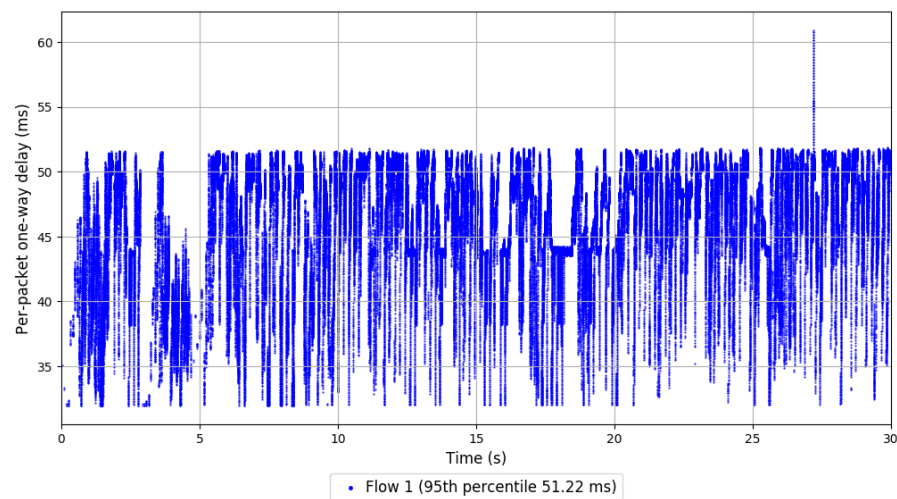
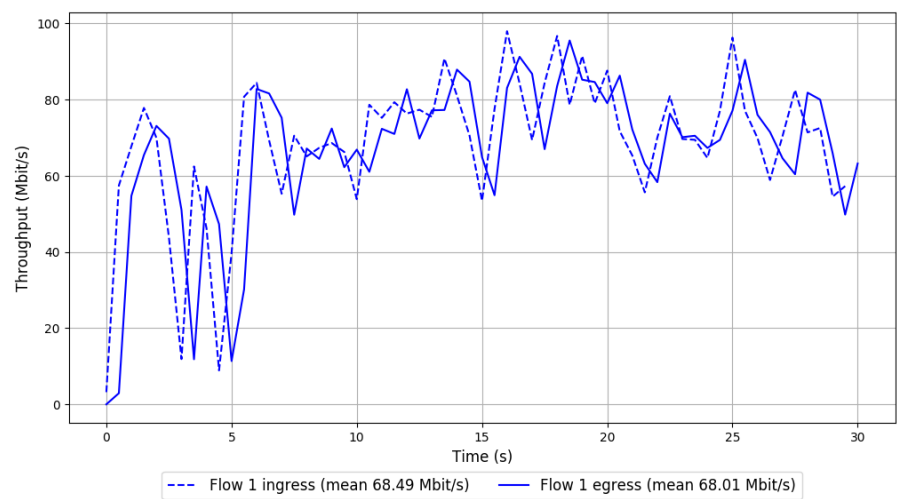
-- Flow 1:

Average throughput: 68.01 Mbit/s

95th percentile per-packet one-way delay: 51.216 ms

Loss rate: 0.95%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-18 01:28:09

End at: 2018-07-18 01:28:39

Local clock offset: 0.553 ms

Remote clock offset: -0.389 ms

Below is generated by plot.py at 2018-07-18 05:28:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.74 Mbit/s

95th percentile per-packet one-way delay: 27.470 ms

Loss rate: 0.26%

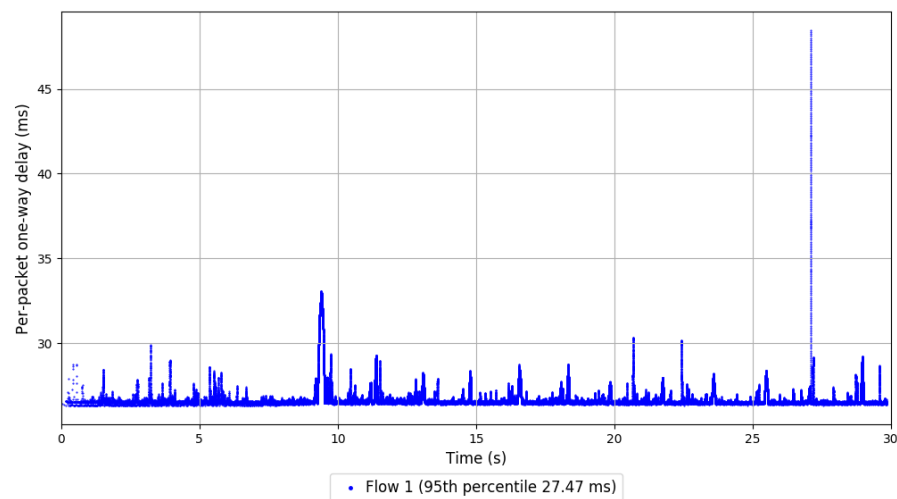
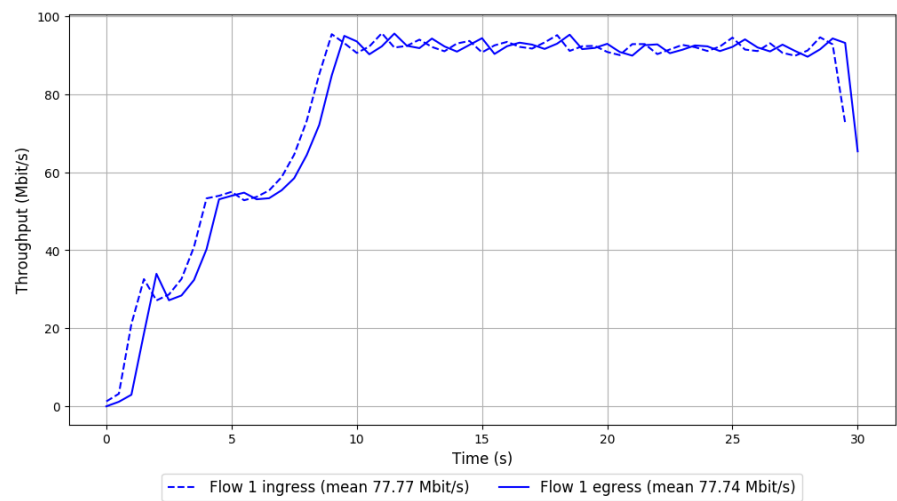
-- Flow 1:

Average throughput: 77.74 Mbit/s

95th percentile per-packet one-way delay: 27.470 ms

Loss rate: 0.26%

Run 1: Report of PCC-Vivace — Data Link

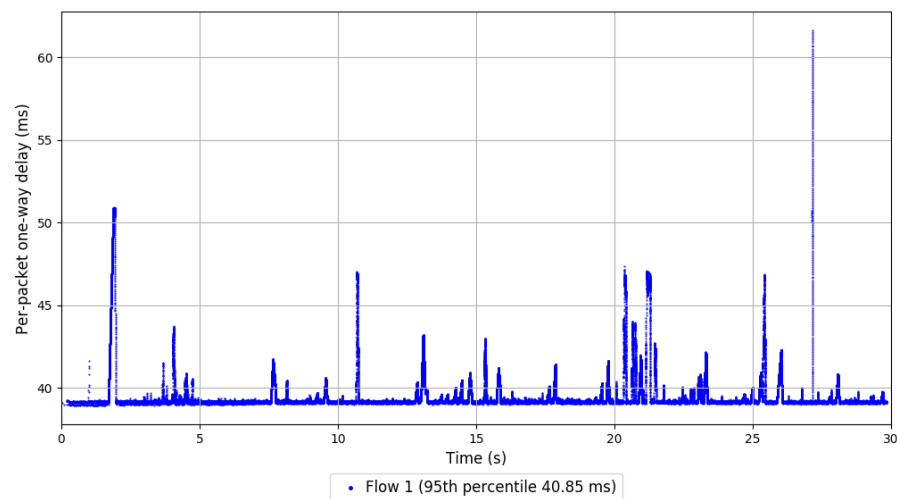
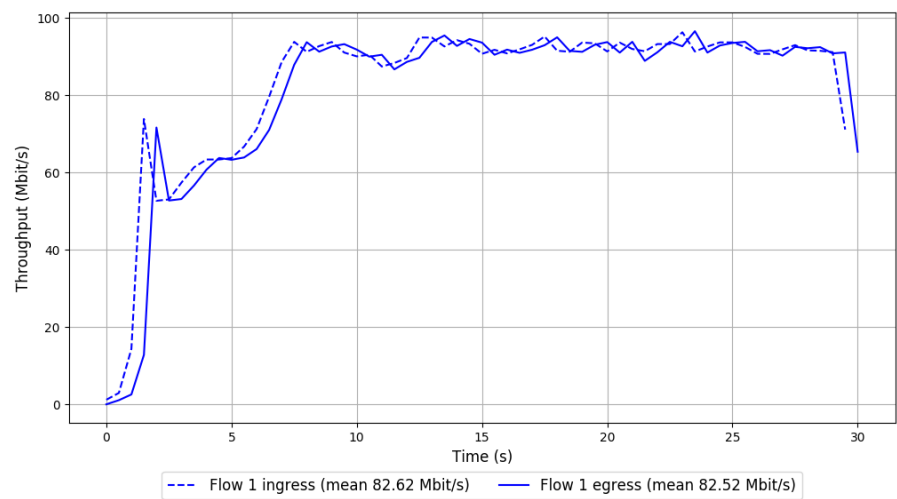


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-18 01:50:25
End at: 2018-07-18 01:50:55
Local clock offset: 0.597 ms
Remote clock offset: -5.364 ms

Below is generated by plot.py at 2018-07-18 05:28:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.52 Mbit/s
95th percentile per-packet one-way delay: 40.847 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 82.52 Mbit/s
95th percentile per-packet one-way delay: 40.847 ms
Loss rate: 0.36%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-18 02:13:11

End at: 2018-07-18 02:13:41

Local clock offset: 0.814 ms

Remote clock offset: 1.886 ms

Below is generated by plot.py at 2018-07-18 05:28:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.98 Mbit/s

95th percentile per-packet one-way delay: 38.584 ms

Loss rate: 0.35%

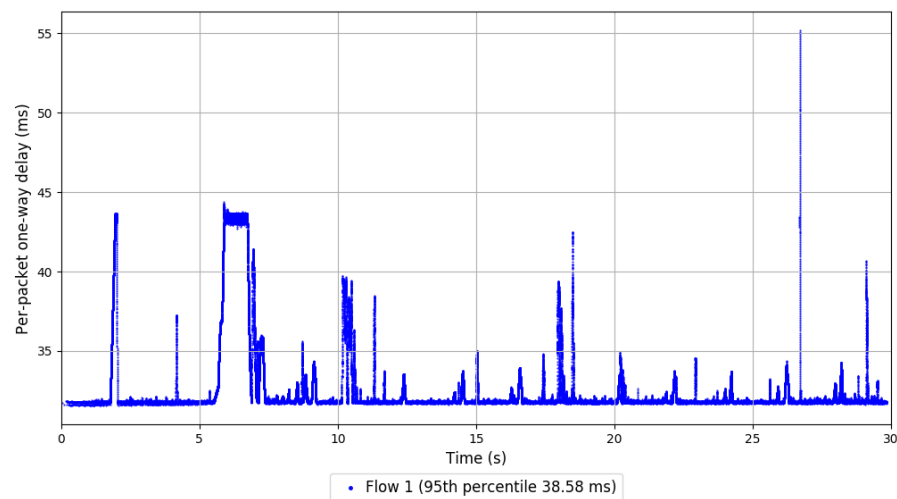
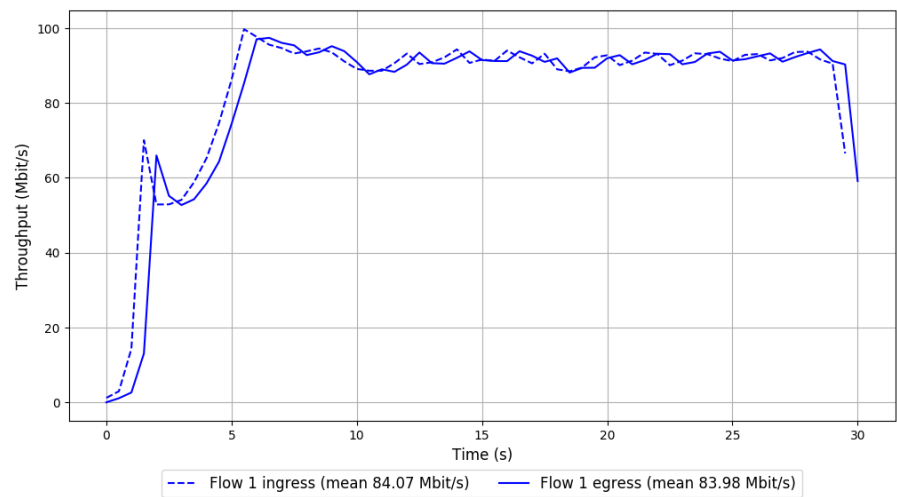
-- Flow 1:

Average throughput: 83.98 Mbit/s

95th percentile per-packet one-way delay: 38.584 ms

Loss rate: 0.35%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-18 02:36:46

End at: 2018-07-18 02:37:16

Local clock offset: 0.89 ms

Remote clock offset: 1.965 ms

Below is generated by plot.py at 2018-07-18 05:28:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.97 Mbit/s

95th percentile per-packet one-way delay: 37.588 ms

Loss rate: 0.46%

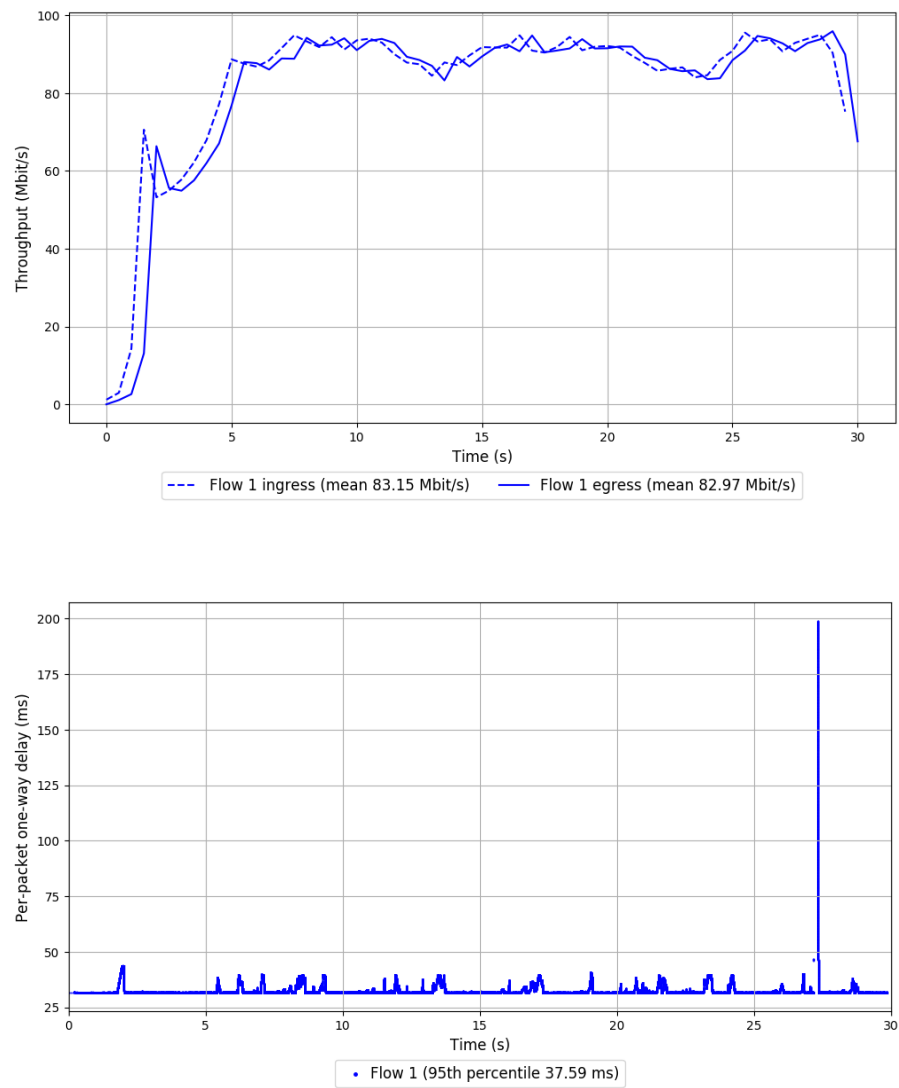
-- Flow 1:

Average throughput: 82.97 Mbit/s

95th percentile per-packet one-way delay: 37.588 ms

Loss rate: 0.46%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-18 03:00:26

End at: 2018-07-18 03:00:56

Local clock offset: 1.217 ms

Remote clock offset: -3.684 ms

Below is generated by plot.py at 2018-07-18 05:28:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.13 Mbit/s

95th percentile per-packet one-way delay: 44.844 ms

Loss rate: 1.36%

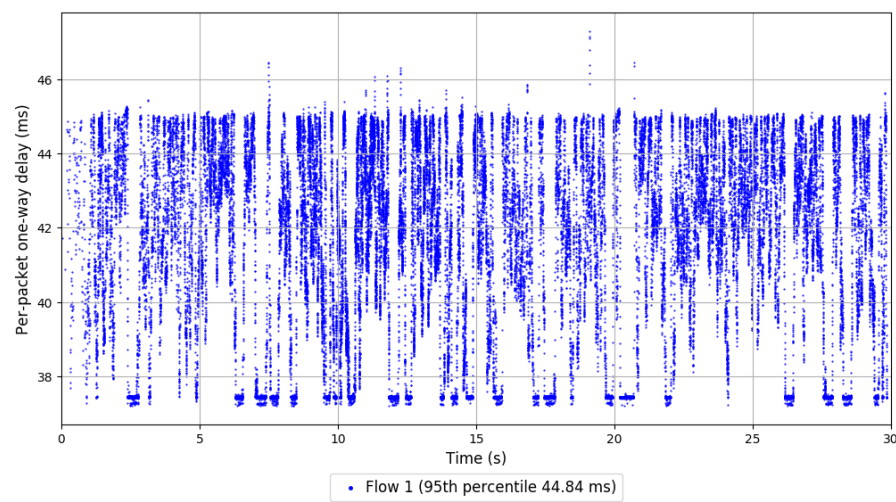
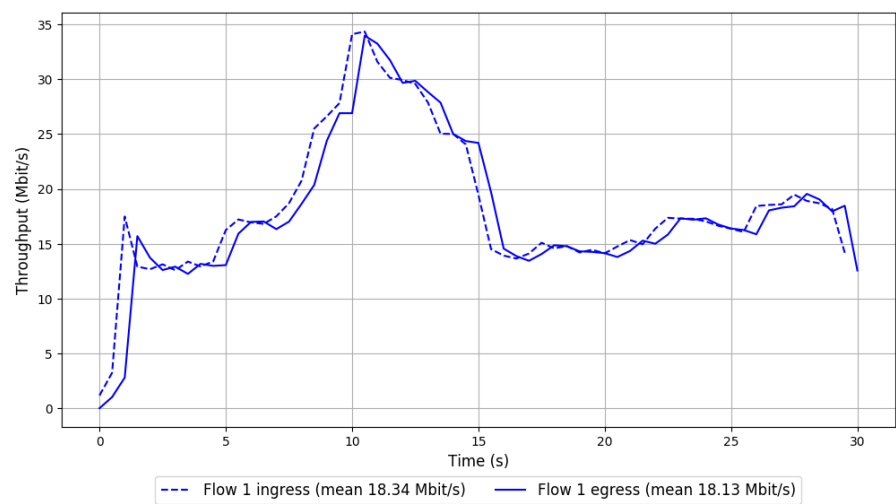
-- Flow 1:

Average throughput: 18.13 Mbit/s

95th percentile per-packet one-way delay: 44.844 ms

Loss rate: 1.36%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-18 03:27:16

End at: 2018-07-18 03:27:46

Local clock offset: 8.384 ms

Remote clock offset: -0.982 ms

Below is generated by plot.py at 2018-07-18 05:28:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.47 Mbit/s

95th percentile per-packet one-way delay: 35.707 ms

Loss rate: 2.30%

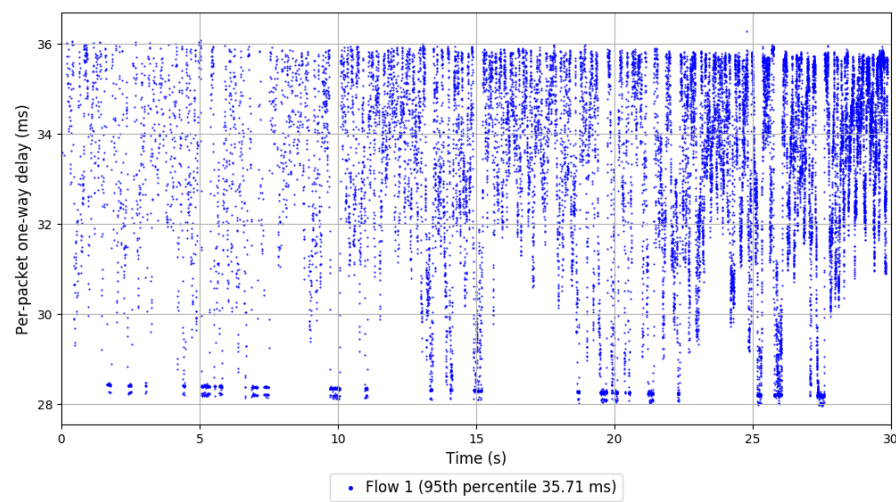
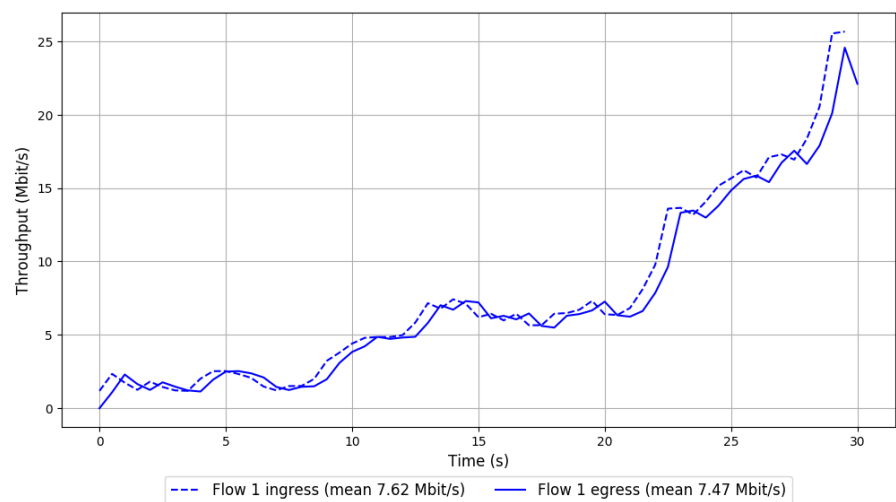
-- Flow 1:

Average throughput: 7.47 Mbit/s

95th percentile per-packet one-way delay: 35.707 ms

Loss rate: 2.30%

Run 6: Report of PCC-Vivace — Data Link

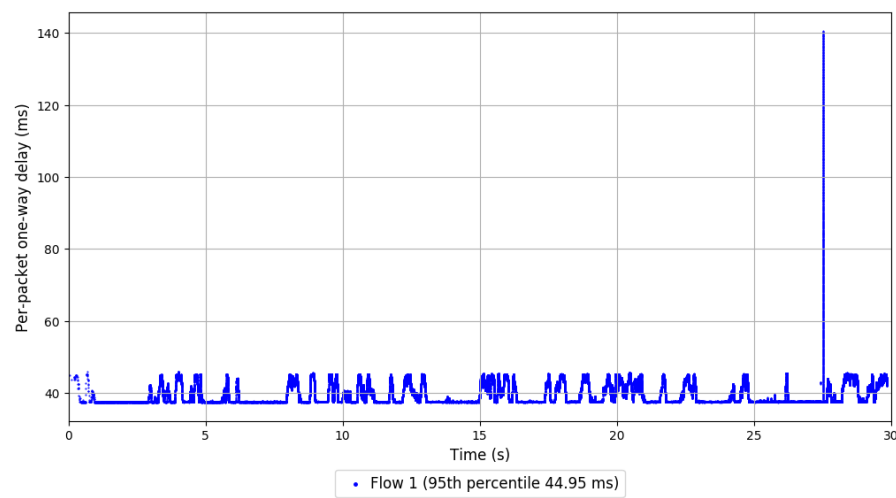
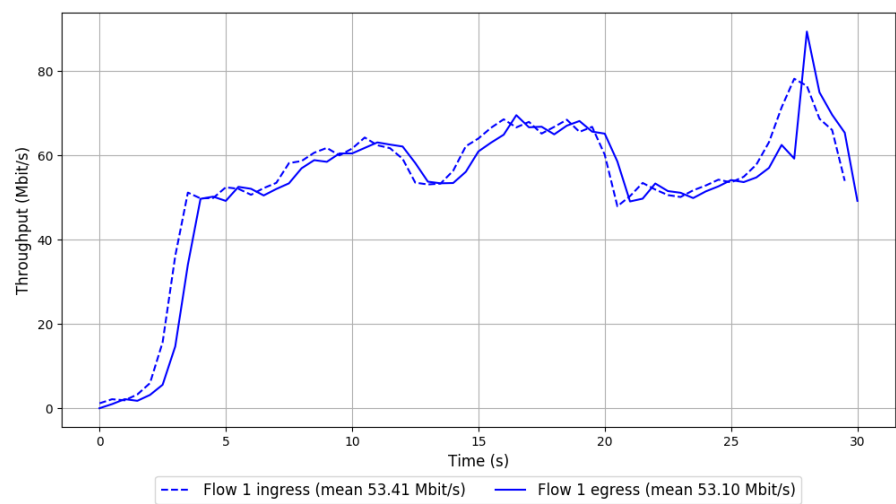


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-18 03:51:42
End at: 2018-07-18 03:52:12
Local clock offset: 12.7 ms
Remote clock offset: -5.945 ms

Below is generated by plot.py at 2018-07-18 05:28:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.10 Mbit/s
95th percentile per-packet one-way delay: 44.948 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 53.10 Mbit/s
95th percentile per-packet one-way delay: 44.948 ms
Loss rate: 0.85%

Run 7: Report of PCC-Vivace — Data Link

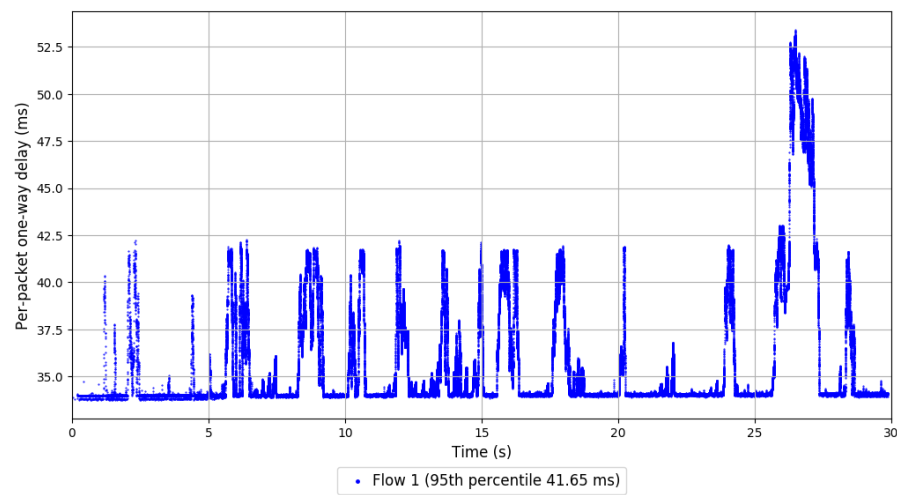
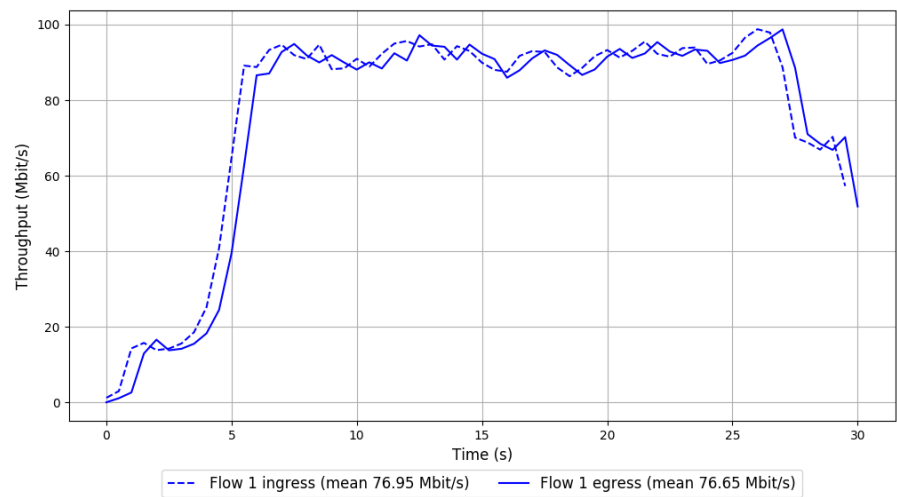


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-18 04:17:58
End at: 2018-07-18 04:18:29
Local clock offset: 13.102 ms
Remote clock offset: -0.283 ms

Below is generated by plot.py at 2018-07-18 05:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.65 Mbit/s
95th percentile per-packet one-way delay: 41.648 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 76.65 Mbit/s
95th percentile per-packet one-way delay: 41.648 ms
Loss rate: 0.63%

Run 8: Report of PCC-Vivace — Data Link

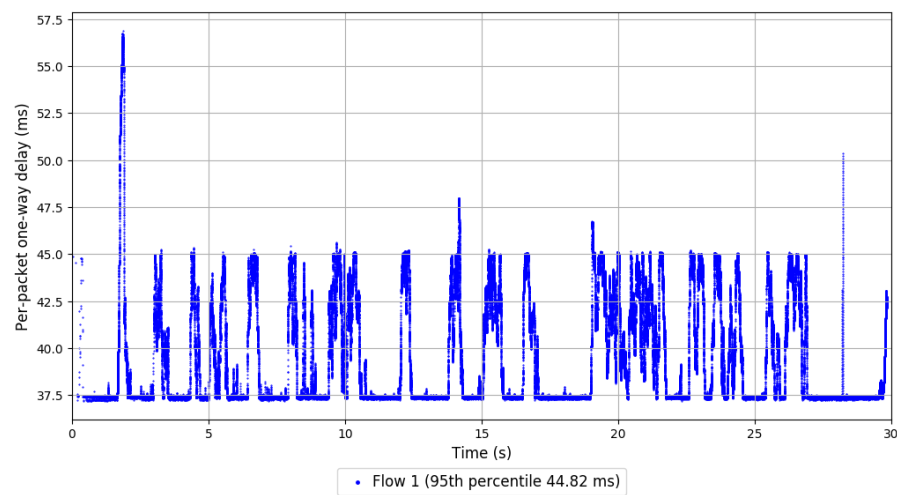
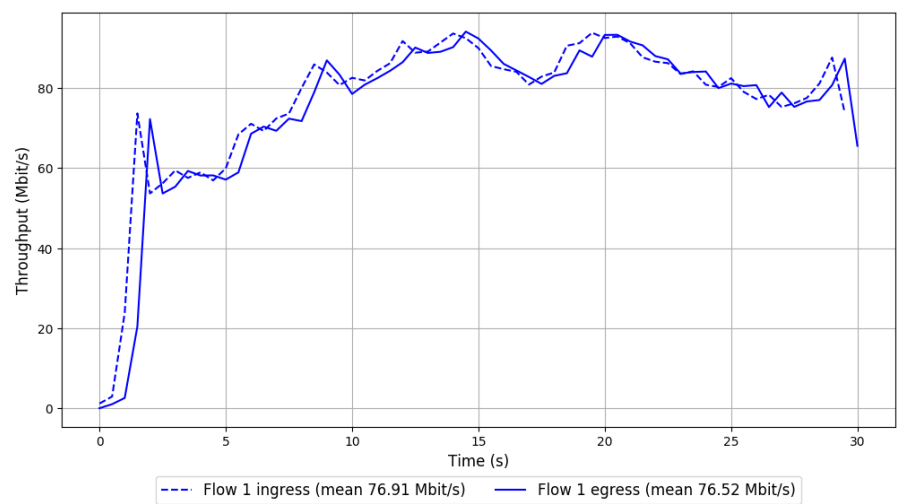


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-18 04:41:58
End at: 2018-07-18 04:42:28
Local clock offset: 11.187 ms
Remote clock offset: -4.136 ms

Below is generated by plot.py at 2018-07-18 05:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.52 Mbit/s
95th percentile per-packet one-way delay: 44.819 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 76.52 Mbit/s
95th percentile per-packet one-way delay: 44.819 ms
Loss rate: 0.77%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-18 05:06:13

End at: 2018-07-18 05:06:43

Local clock offset: -0.182 ms

Remote clock offset: 2.44 ms

Below is generated by plot.py at 2018-07-18 05:28:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.72 Mbit/s

95th percentile per-packet one-way delay: 37.844 ms

Loss rate: 1.06%

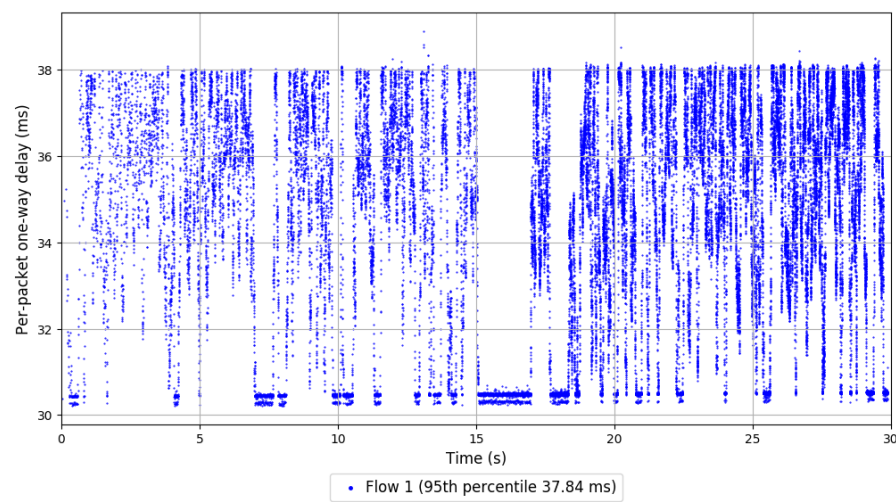
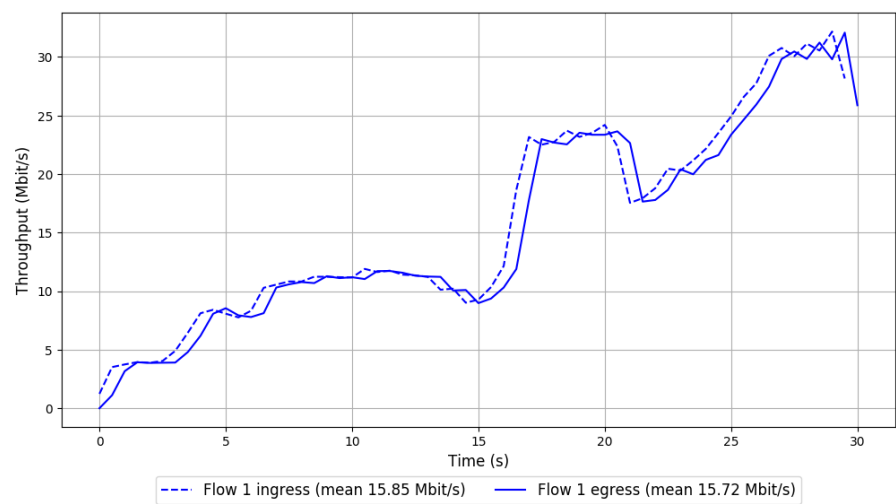
-- Flow 1:

Average throughput: 15.72 Mbit/s

95th percentile per-packet one-way delay: 37.844 ms

Loss rate: 1.06%

Run 10: Report of PCC-Vivace — Data Link

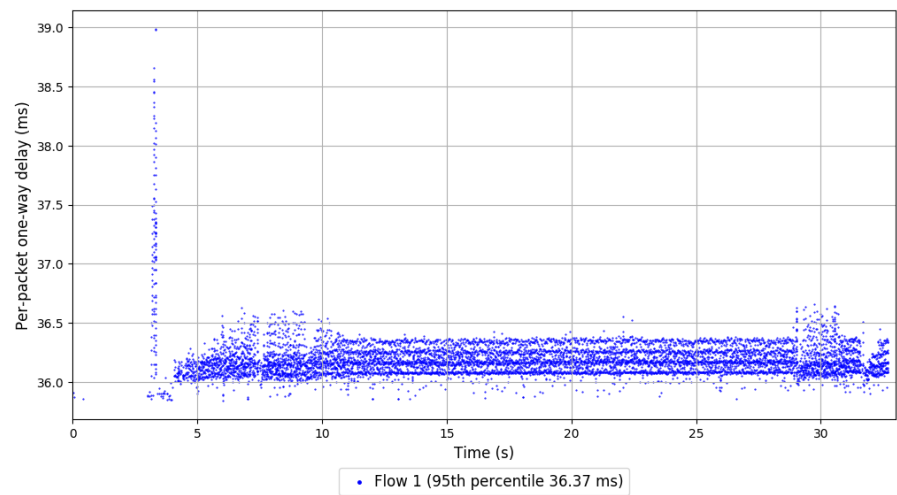
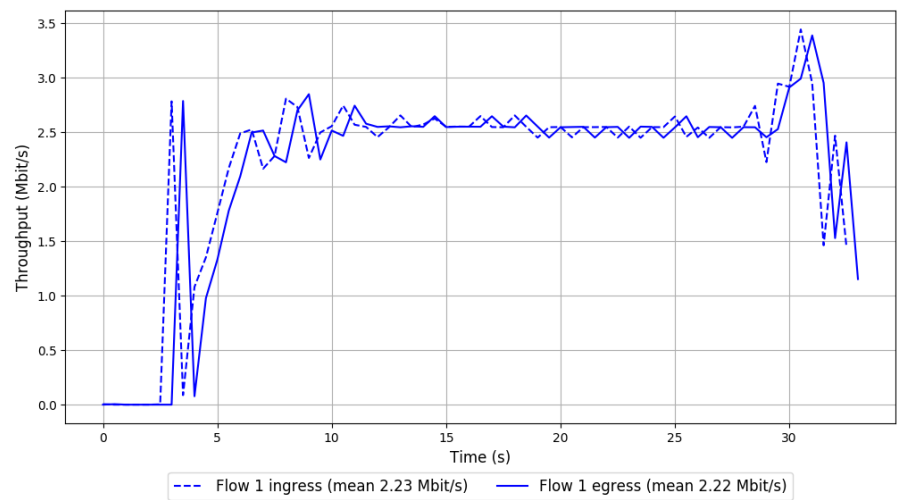


Run 1: Statistics of WebRTC media

Start at: 2018-07-18 01:11:09
End at: 2018-07-18 01:11:39
Local clock offset: 0.609 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-18 05:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 36.371 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 36.371 ms
Loss rate: 0.33%

Run 1: Report of WebRTC media — Data Link

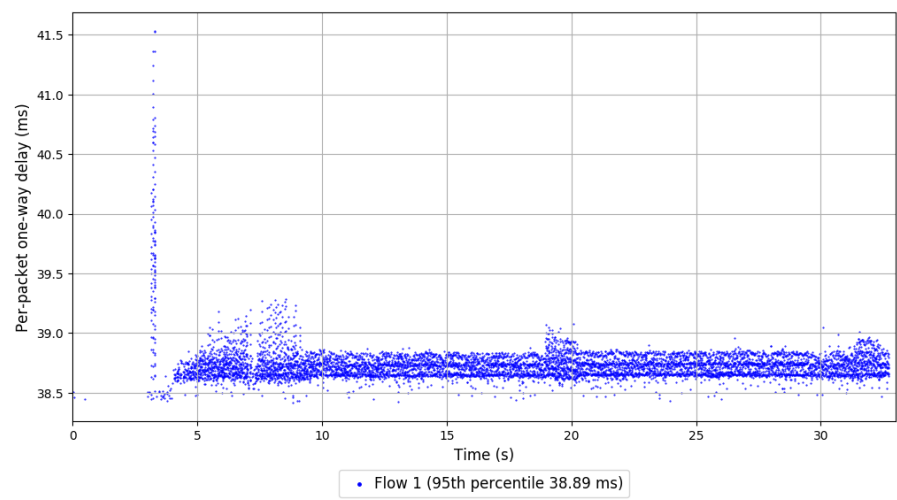
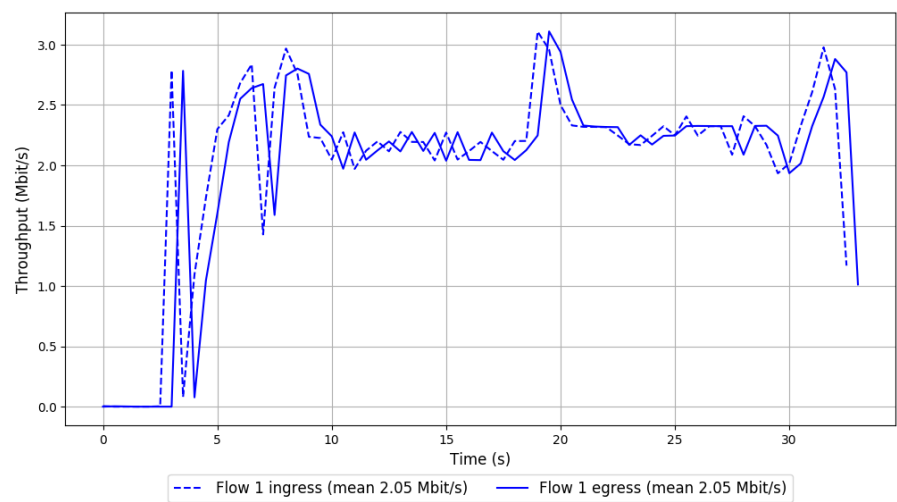


Run 2: Statistics of WebRTC media

Start at: 2018-07-18 01:33:26
End at: 2018-07-18 01:33:56
Local clock offset: 0.55 ms
Remote clock offset: -2.706 ms

Below is generated by plot.py at 2018-07-18 05:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 38.890 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 38.890 ms
Loss rate: 0.23%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-18 01:55:52

End at: 2018-07-18 01:56:22

Local clock offset: 0.747 ms

Remote clock offset: 1.415 ms

Below is generated by plot.py at 2018-07-18 05:28:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 32.856 ms

Loss rate: 0.25%

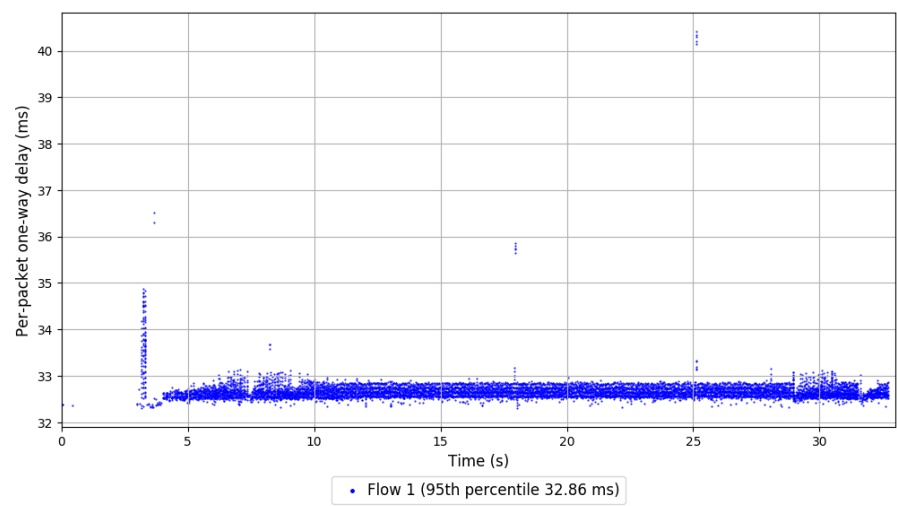
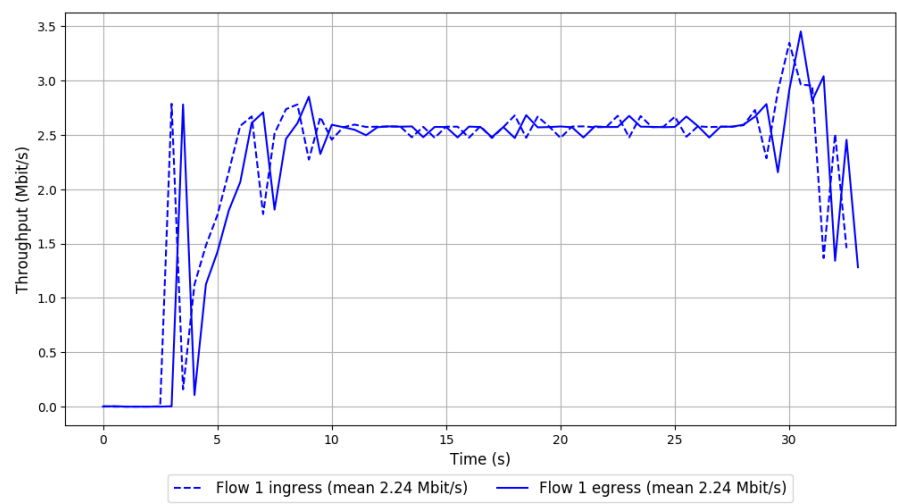
-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 32.856 ms

Loss rate: 0.25%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-18 02:18:46

End at: 2018-07-18 02:19:16

Local clock offset: 0.826 ms

Remote clock offset: 1.874 ms

Below is generated by plot.py at 2018-07-18 05:28:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 32.128 ms

Loss rate: 0.26%

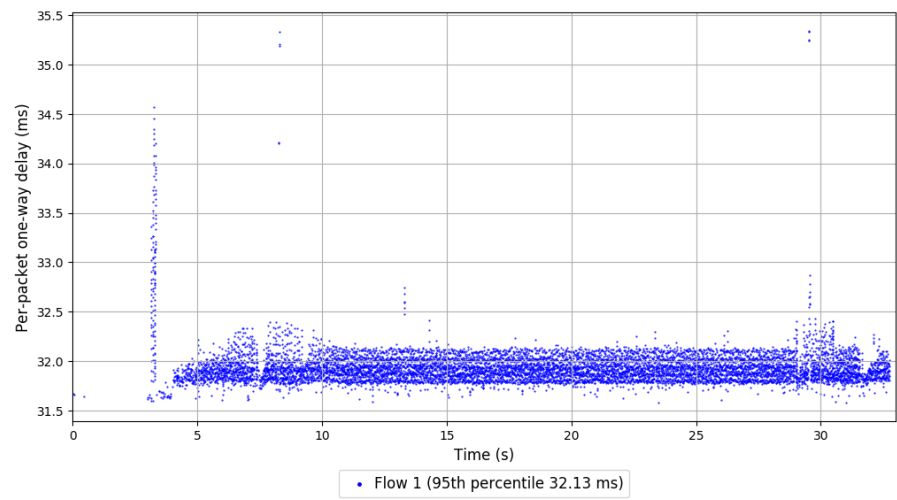
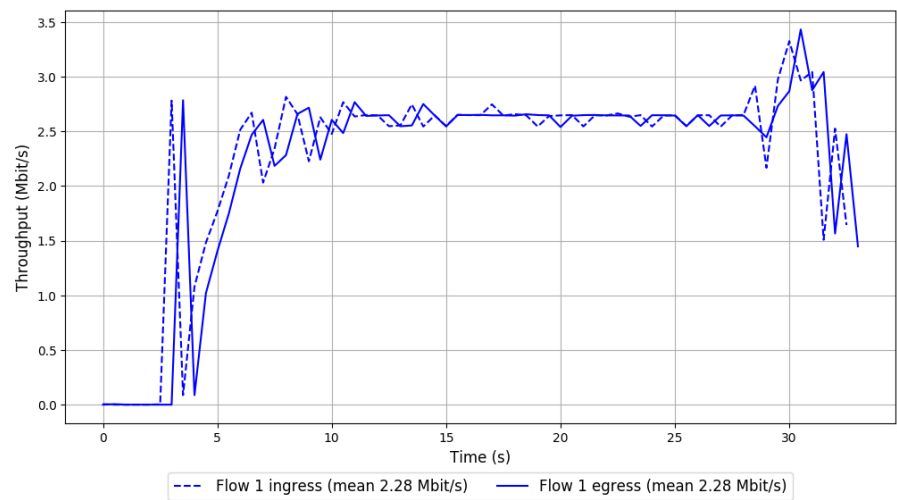
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 32.128 ms

Loss rate: 0.26%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-18 02:42:36

End at: 2018-07-18 02:43:06

Local clock offset: 0.877 ms

Remote clock offset: 1.988 ms

Below is generated by plot.py at 2018-07-18 05:28:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.84 Mbit/s

95th percentile per-packet one-way delay: 32.644 ms

Loss rate: 0.54%

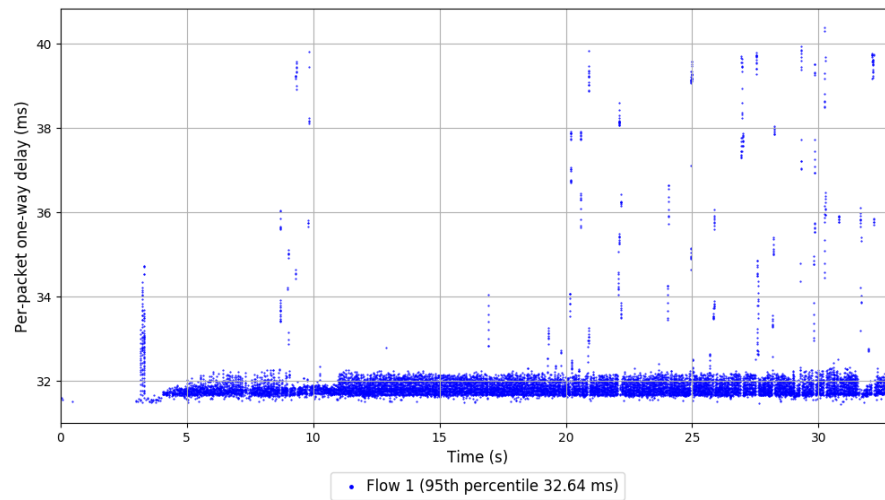
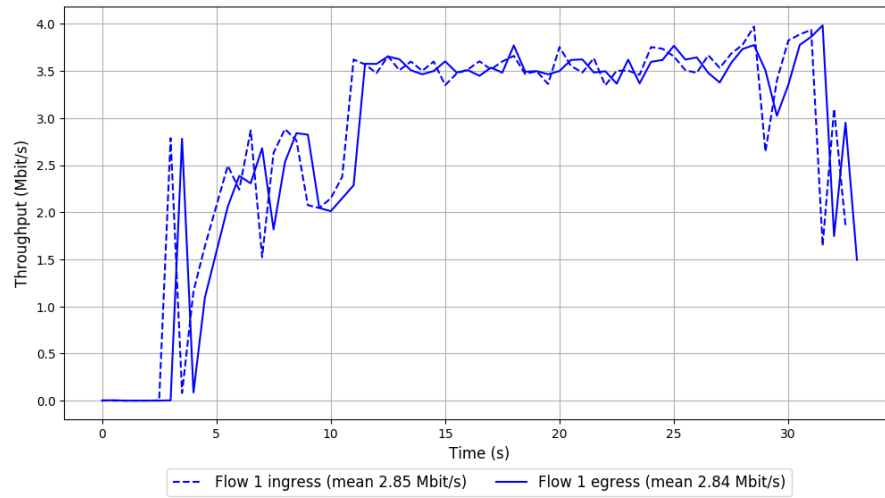
-- Flow 1:

Average throughput: 2.84 Mbit/s

95th percentile per-packet one-way delay: 32.644 ms

Loss rate: 0.54%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-18 03:07:00

End at: 2018-07-18 03:07:30

Local clock offset: 1.213 ms

Remote clock offset: 1.751 ms

Below is generated by plot.py at 2018-07-18 05:28:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.89 Mbit/s

95th percentile per-packet one-way delay: 39.174 ms

Loss rate: 2.10%

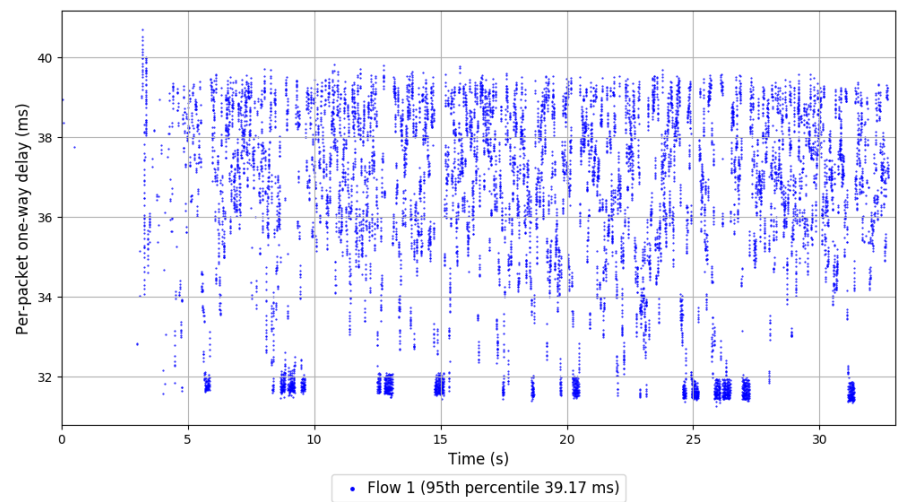
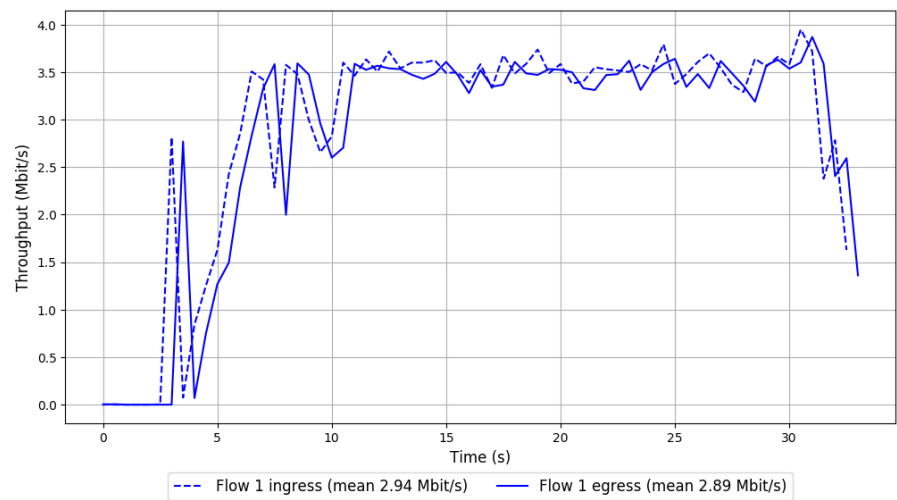
-- Flow 1:

Average throughput: 2.89 Mbit/s

95th percentile per-packet one-way delay: 39.174 ms

Loss rate: 2.10%

Run 6: Report of WebRTC media — Data Link

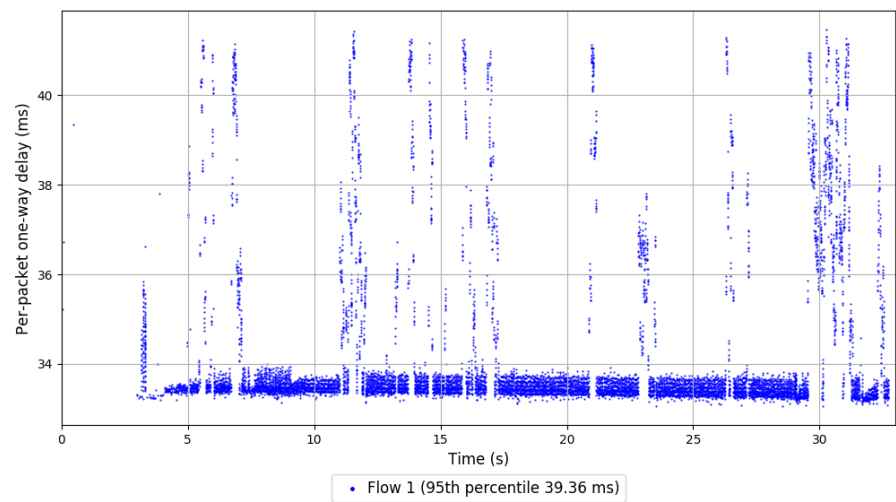
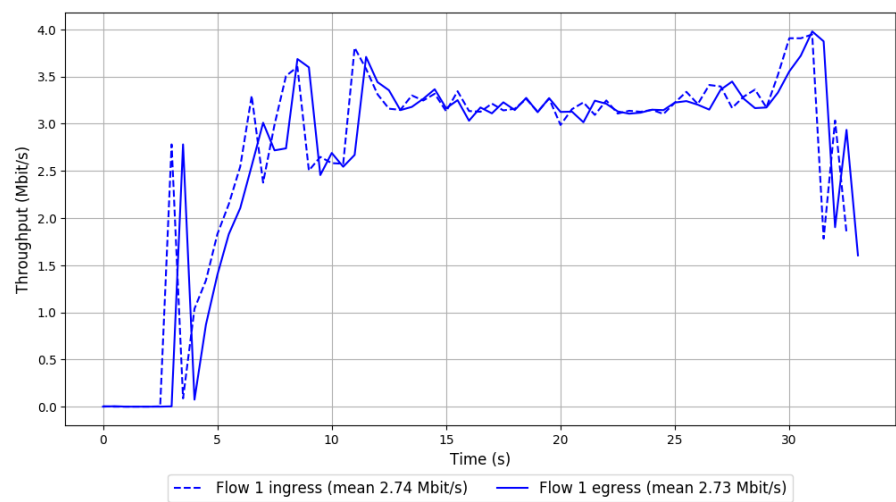


Run 7: Statistics of WebRTC media

Start at: 2018-07-18 03:33:43
End at: 2018-07-18 03:34:13
Local clock offset: 10.568 ms
Remote clock offset: -6.774 ms

Below is generated by plot.py at 2018-07-18 05:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 39.356 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 39.356 ms
Loss rate: 0.57%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-18 03:57:37

End at: 2018-07-18 03:58:07

Local clock offset: 12.284 ms

Remote clock offset: 0.782 ms

Below is generated by plot.py at 2018-07-18 05:28:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.76 Mbit/s

95th percentile per-packet one-way delay: 36.347 ms

Loss rate: 0.54%

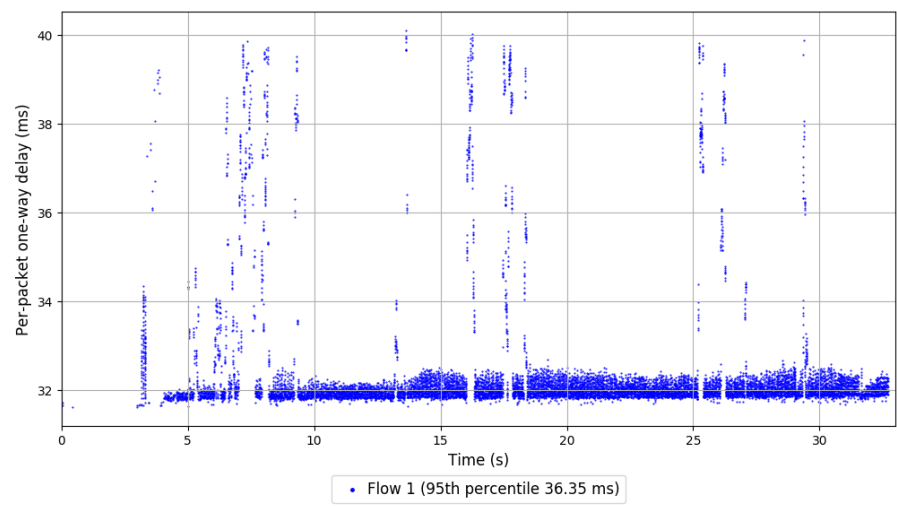
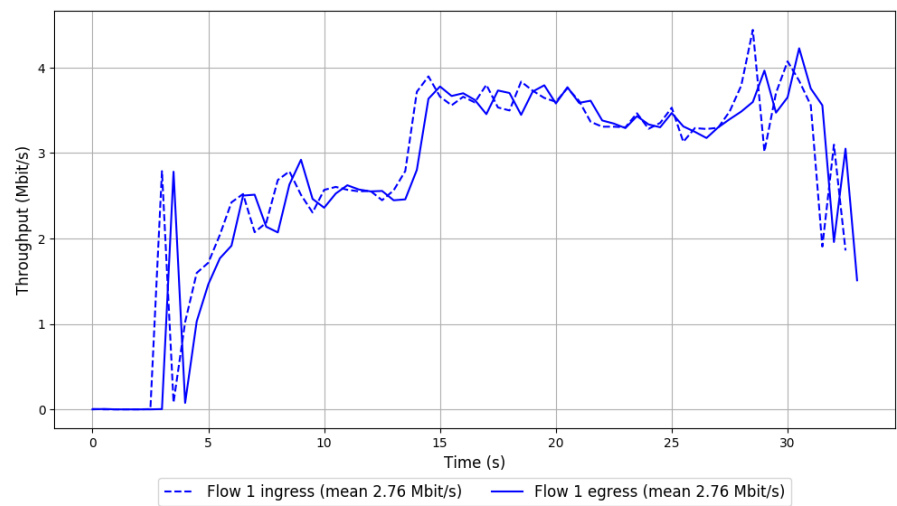
-- Flow 1:

Average throughput: 2.76 Mbit/s

95th percentile per-packet one-way delay: 36.347 ms

Loss rate: 0.54%

Run 8: Report of WebRTC media — Data Link

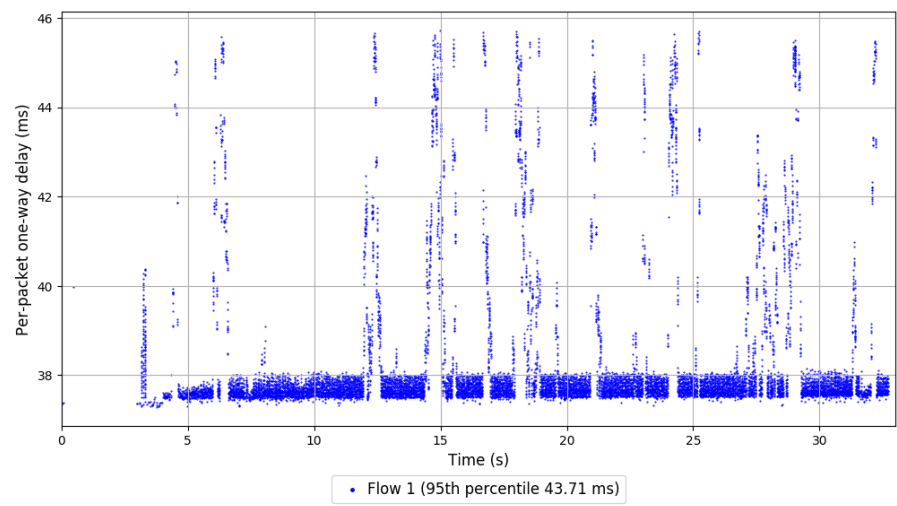
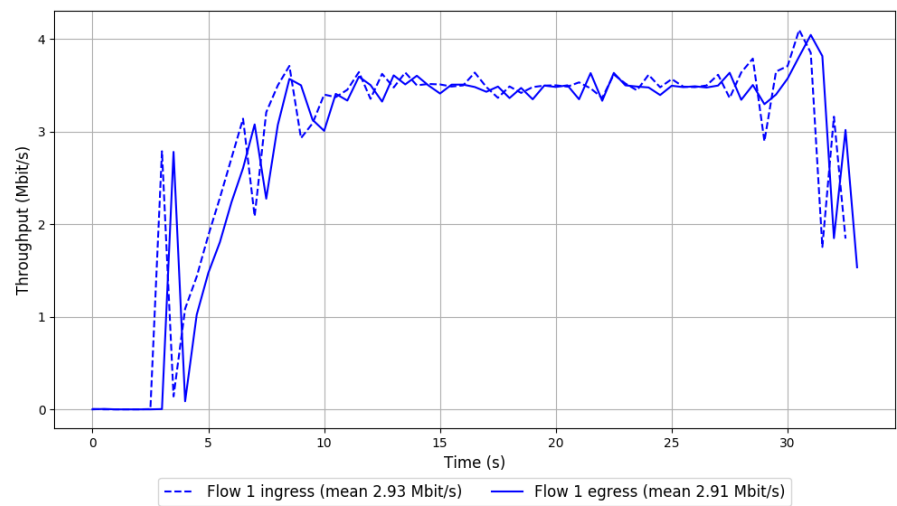


Run 9: Statistics of WebRTC media

Start at: 2018-07-18 04:24:01
End at: 2018-07-18 04:24:31
Local clock offset: 11.707 ms
Remote clock offset: -4.107 ms

Below is generated by plot.py at 2018-07-18 05:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 43.708 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 43.708 ms
Loss rate: 0.86%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-18 04:47:48

End at: 2018-07-18 04:48:18

Local clock offset: 10.732 ms

Remote clock offset: 2.855 ms

Below is generated by plot.py at 2018-07-18 05:28:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 32.494 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 32.494 ms

Loss rate: 0.35%

Run 10: Report of WebRTC media — Data Link

