

Pantheon Report

Generated at 2018-07-24 10:21:19 (UTC).

Data path: AWS India 1 Ethernet (*local*) → India Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

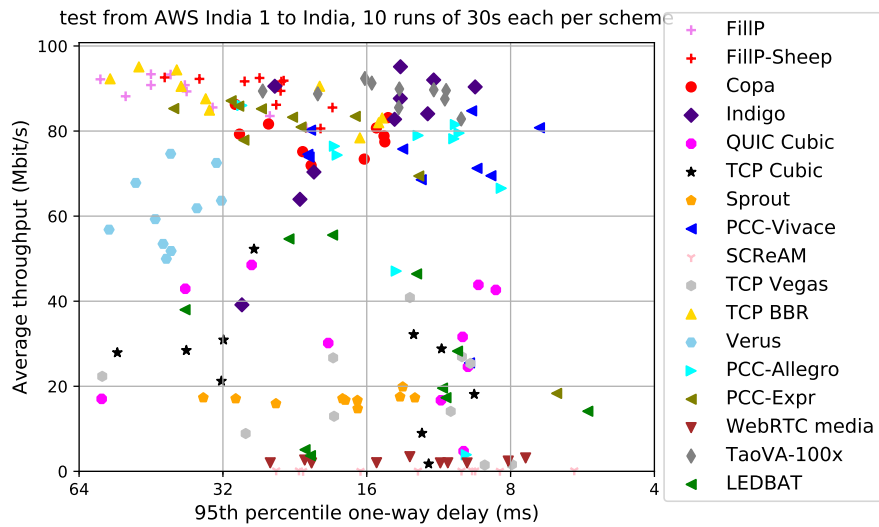
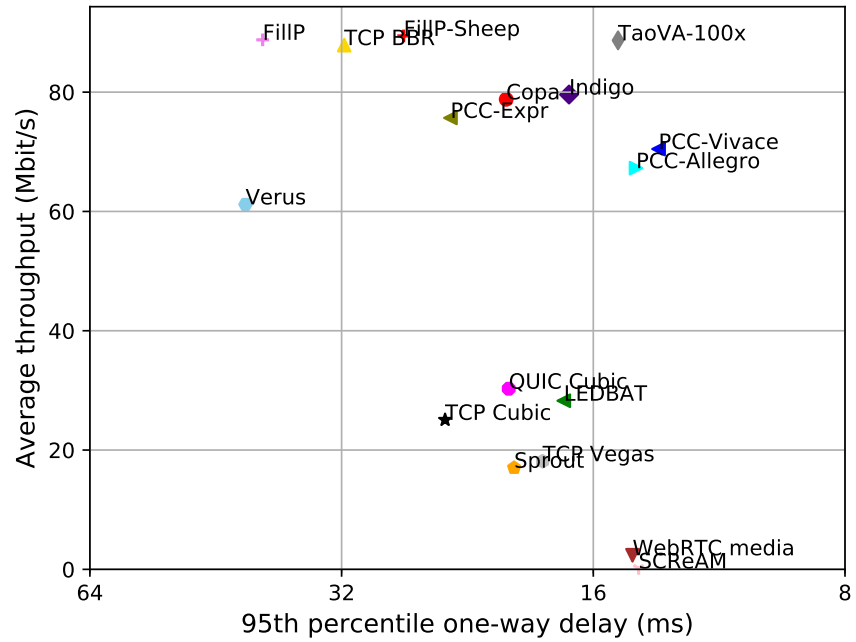
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS India 1 to India, 10 runs of 30s each per scheme
(mean of all runs by scheme)



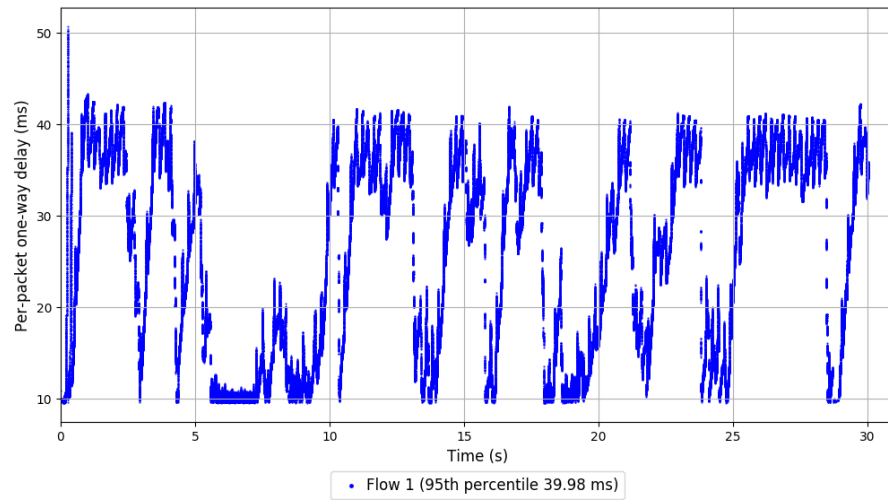
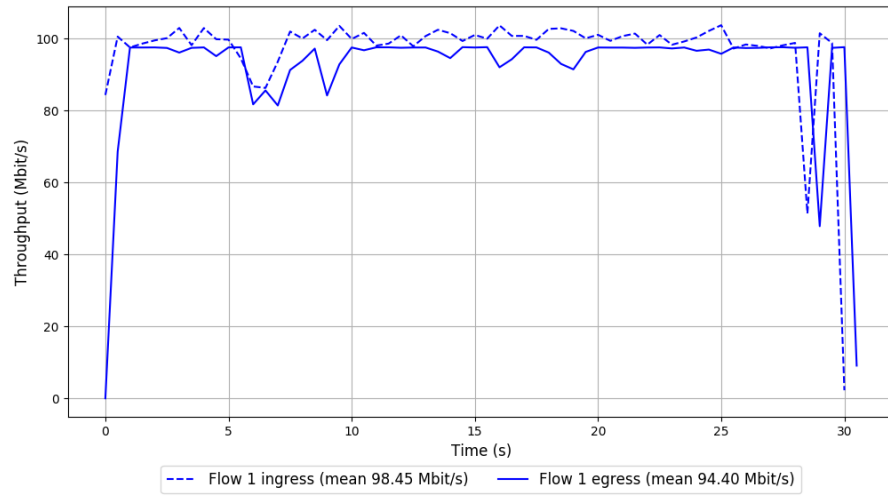
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	87.88	31.77	7.46
Copa	10	78.79	20.34	7.47
TCP Cubic	10	25.06	24.07	1.14
FillP	10	88.77	39.77	9.80
FillP-Sheep	10	89.42	26.97	7.98
Indigo	10	79.60	17.11	5.71
LEDBAT	10	28.27	17.36	0.99
PCC-Allegro	10	67.26	14.22	5.15
PCC-Expr	10	75.68	23.71	3.73
QUIC Cubic	10	30.28	20.20	3.04
SCReAM	10	0.16	14.12	1.20
Sprout	10	17.03	19.90	1.85
TaoVA-100x	10	88.68	14.95	4.87
TCP Vegas	10	18.12	18.40	2.17
Verus	10	61.18	41.69	21.50
PCC-Vivace	10	70.47	13.37	3.41
WebRTC media	10	2.36	14.36	1.65

Run 1: Statistics of TCP BBR

Start at: 2018-07-24 06:41:29
End at: 2018-07-24 06:41:59
Local clock offset: -0.862 ms
Remote clock offset: -7.826 ms

Below is generated by plot.py at 2018-07-24 10:04:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 39.977 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 39.977 ms
Loss rate: 4.04%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-24 07:01:32

End at: 2018-07-24 07:02:03

Local clock offset: -2.044 ms

Remote clock offset: -7.515 ms

Below is generated by plot.py at 2018-07-24 10:04:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.41 Mbit/s

95th percentile per-packet one-way delay: 16.539 ms

Loss rate: 11.43%

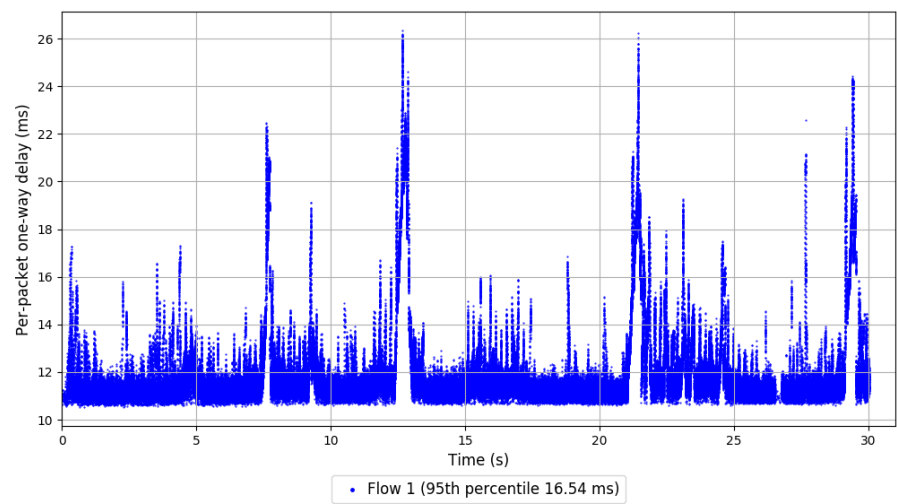
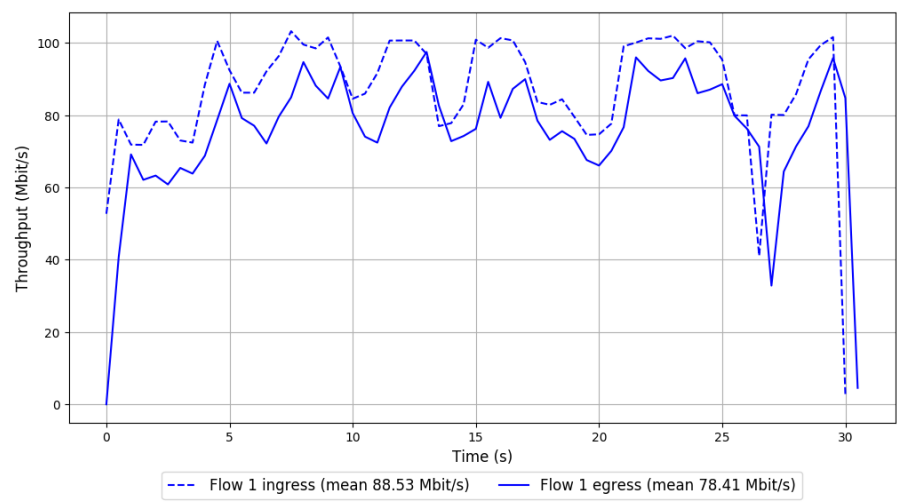
-- Flow 1:

Average throughput: 78.41 Mbit/s

95th percentile per-packet one-way delay: 16.539 ms

Loss rate: 11.43%

Run 2: Report of TCP BBR — Data Link

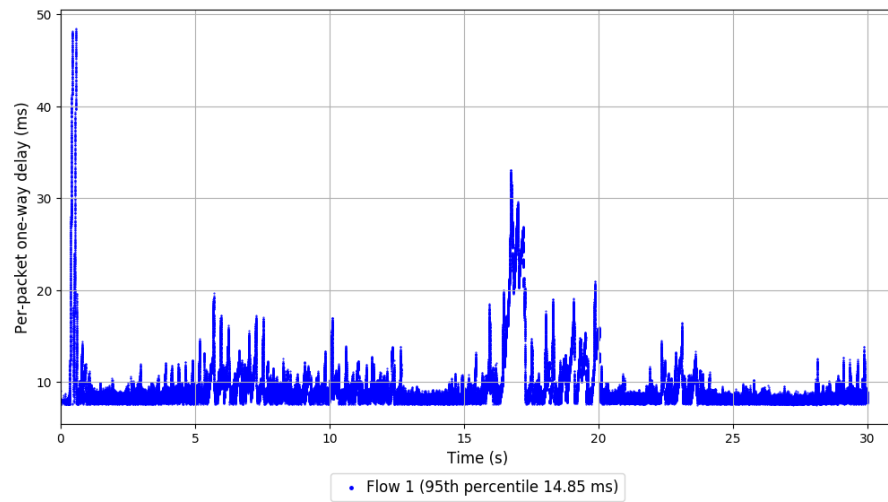
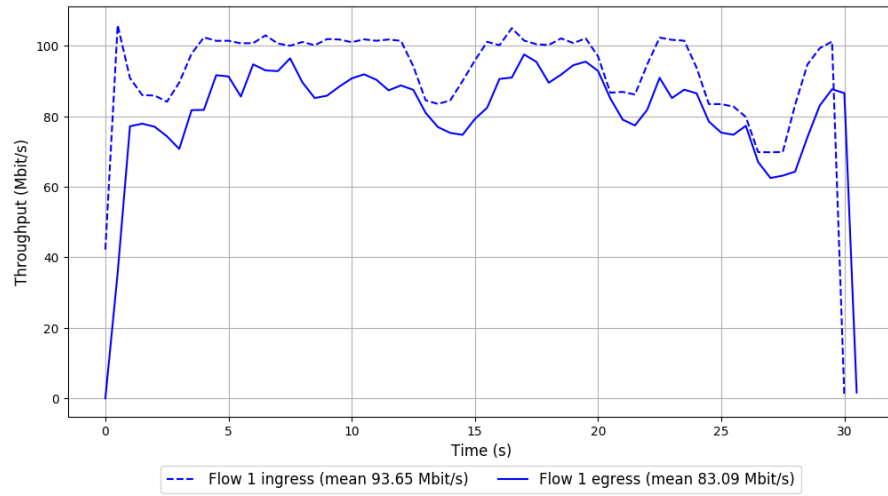


Run 3: Statistics of TCP BBR

Start at: 2018-07-24 07:21:22
End at: 2018-07-24 07:21:52
Local clock offset: -2.348 ms
Remote clock offset: -12.082 ms

Below is generated by plot.py at 2018-07-24 10:04:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.09 Mbit/s
95th percentile per-packet one-way delay: 14.853 ms
Loss rate: 11.28%
-- Flow 1:
Average throughput: 83.09 Mbit/s
95th percentile per-packet one-way delay: 14.853 ms
Loss rate: 11.28%

Run 3: Report of TCP BBR — Data Link

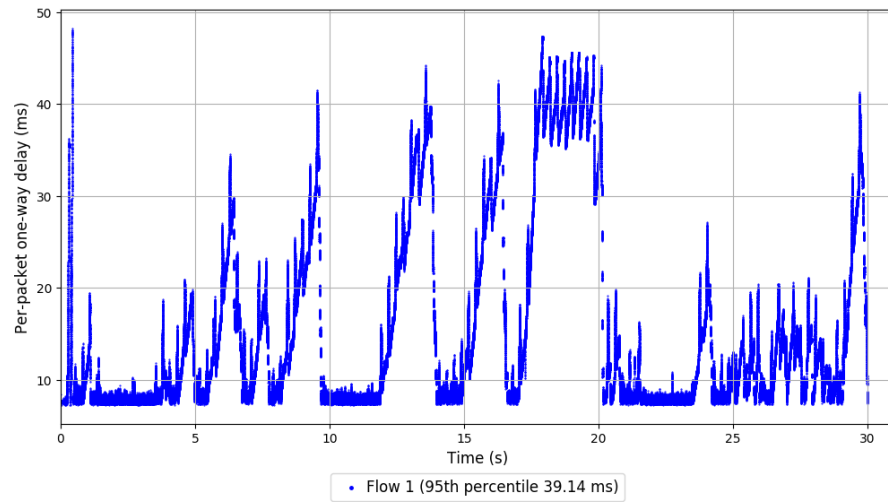
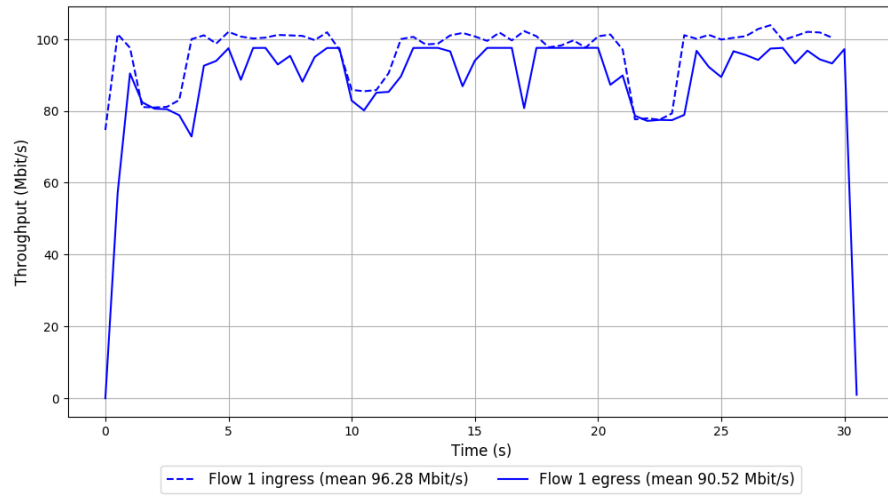


Run 4: Statistics of TCP BBR

Start at: 2018-07-24 07:41:08
End at: 2018-07-24 07:41:38
Local clock offset: 2.285 ms
Remote clock offset: -13.448 ms

Below is generated by plot.py at 2018-07-24 10:04:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.52 Mbit/s
95th percentile per-packet one-way delay: 39.144 ms
Loss rate: 5.99%
-- Flow 1:
Average throughput: 90.52 Mbit/s
95th percentile per-packet one-way delay: 39.144 ms
Loss rate: 5.99%

Run 4: Report of TCP BBR — Data Link

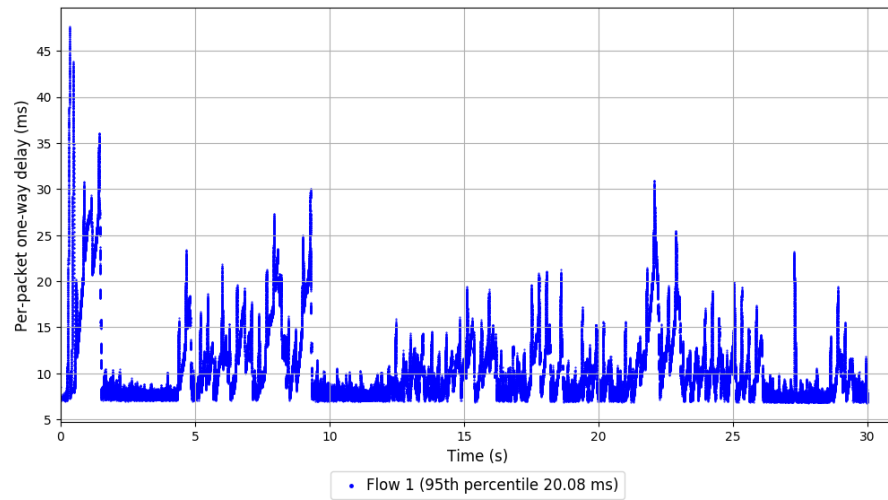
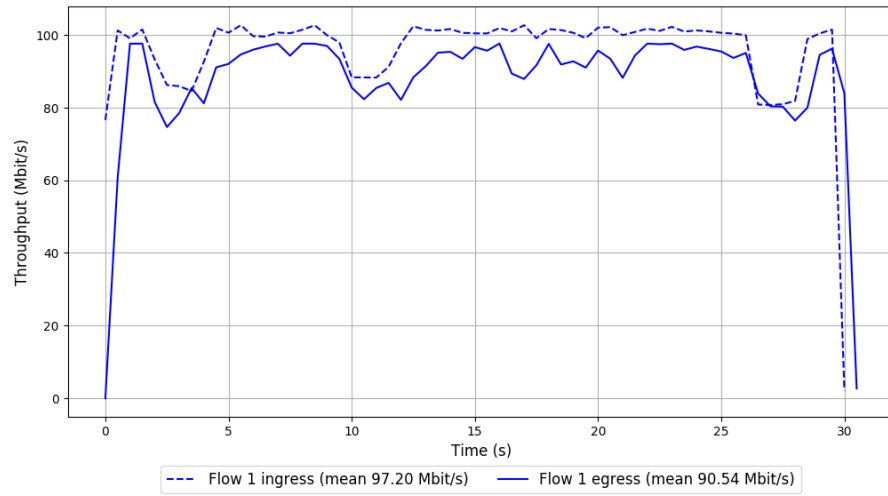


Run 5: Statistics of TCP BBR

Start at: 2018-07-24 08:01:39
End at: 2018-07-24 08:02:09
Local clock offset: 3.007 ms
Remote clock offset: -11.764 ms

Below is generated by plot.py at 2018-07-24 10:04:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.54 Mbit/s
95th percentile per-packet one-way delay: 20.077 ms
Loss rate: 6.86%
-- Flow 1:
Average throughput: 90.54 Mbit/s
95th percentile per-packet one-way delay: 20.077 ms
Loss rate: 6.86%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-24 08:21:50

End at: 2018-07-24 08:22:20

Local clock offset: 0.935 ms

Remote clock offset: -2.923 ms

Below is generated by plot.py at 2018-07-24 10:04:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.09 Mbit/s

95th percentile per-packet one-way delay: 47.977 ms

Loss rate: 5.51%

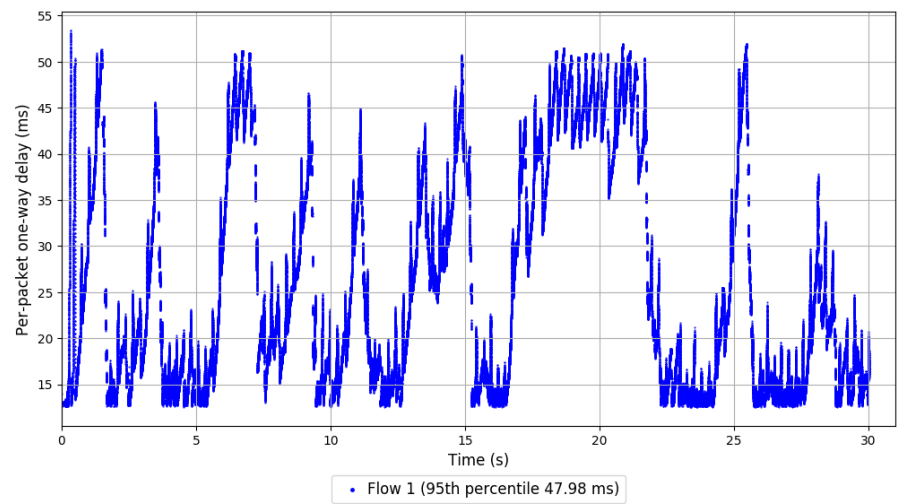
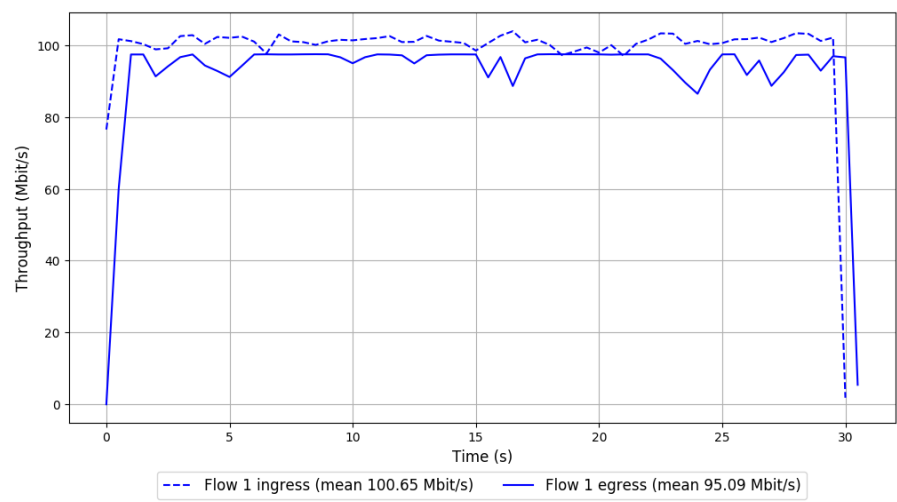
-- Flow 1:

Average throughput: 95.09 Mbit/s

95th percentile per-packet one-way delay: 47.977 ms

Loss rate: 5.51%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-24 08:41:49

End at: 2018-07-24 08:42:19

Local clock offset: 0.904 ms

Remote clock offset: -6.9 ms

Below is generated by plot.py at 2018-07-24 10:04:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.97 Mbit/s

95th percentile per-packet one-way delay: 15.104 ms

Loss rate: 10.64%

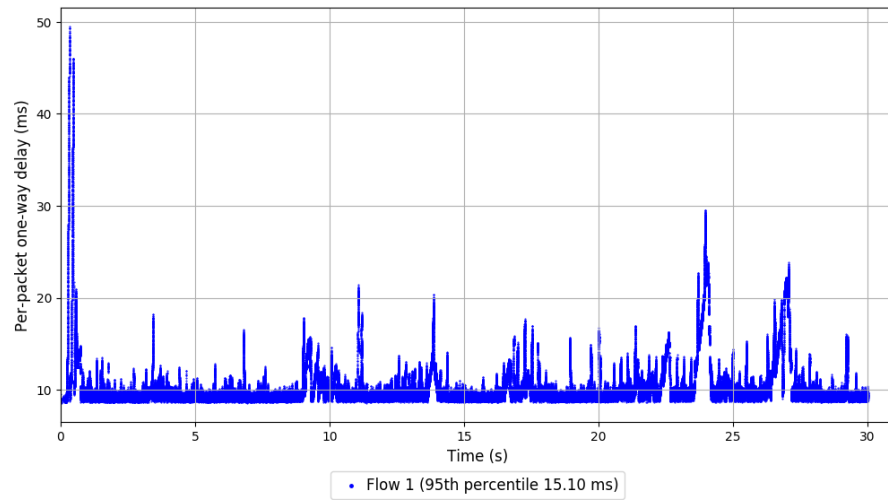
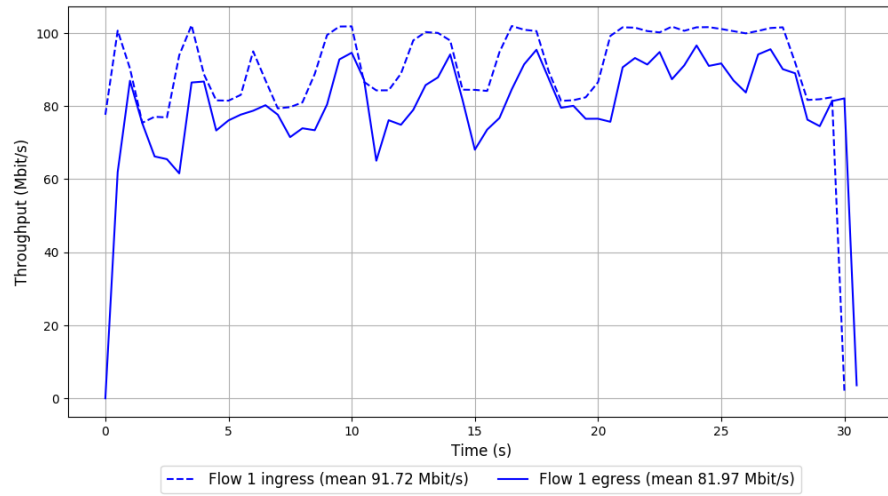
-- Flow 1:

Average throughput: 81.97 Mbit/s

95th percentile per-packet one-way delay: 15.104 ms

Loss rate: 10.64%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-24 09:01:36

End at: 2018-07-24 09:02:06

Local clock offset: 0.397 ms

Remote clock offset: 3.395 ms

Below is generated by plot.py at 2018-07-24 10:04:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.92 Mbit/s

95th percentile per-packet one-way delay: 34.147 ms

Loss rate: 8.55%

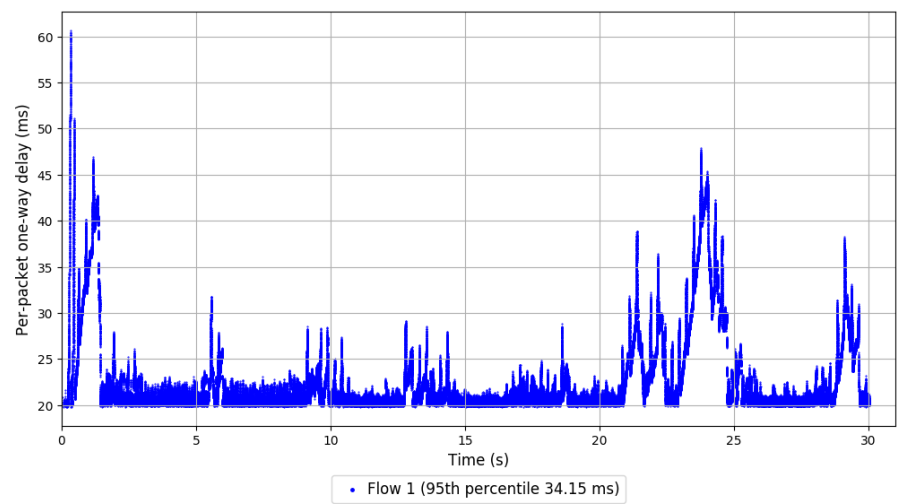
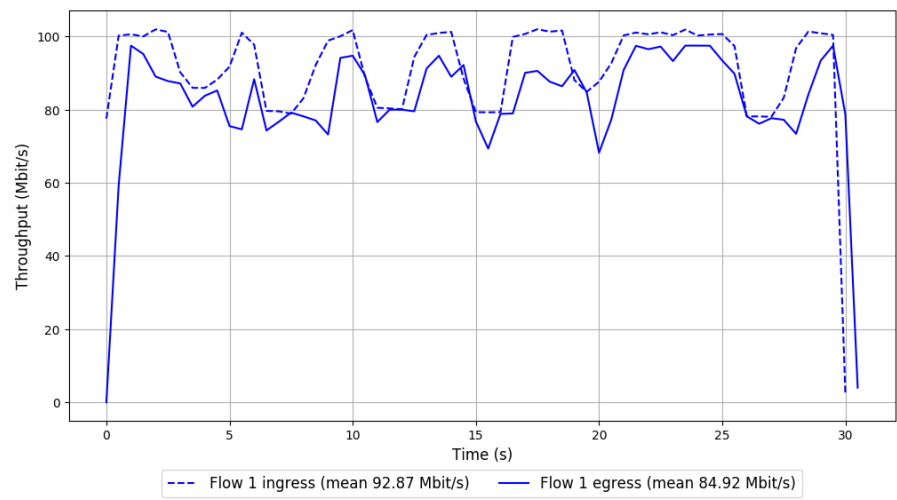
-- Flow 1:

Average throughput: 84.92 Mbit/s

95th percentile per-packet one-way delay: 34.147 ms

Loss rate: 8.55%

Run 8: Report of TCP BBR — Data Link

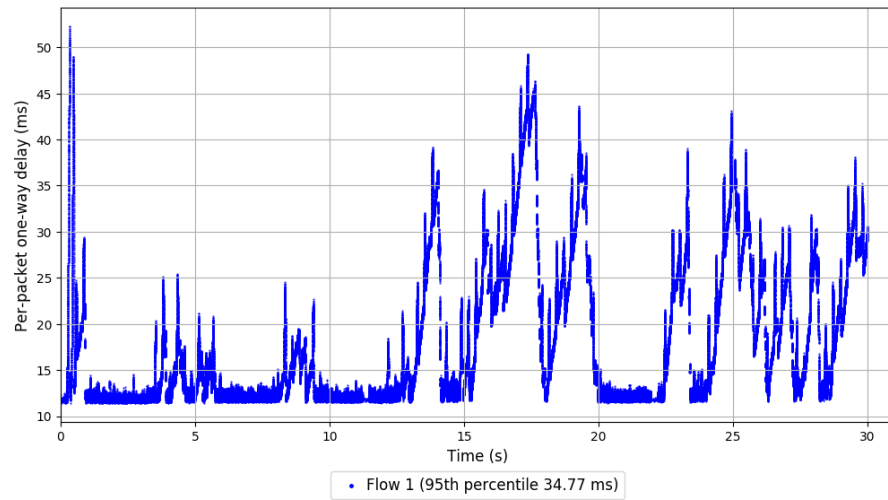
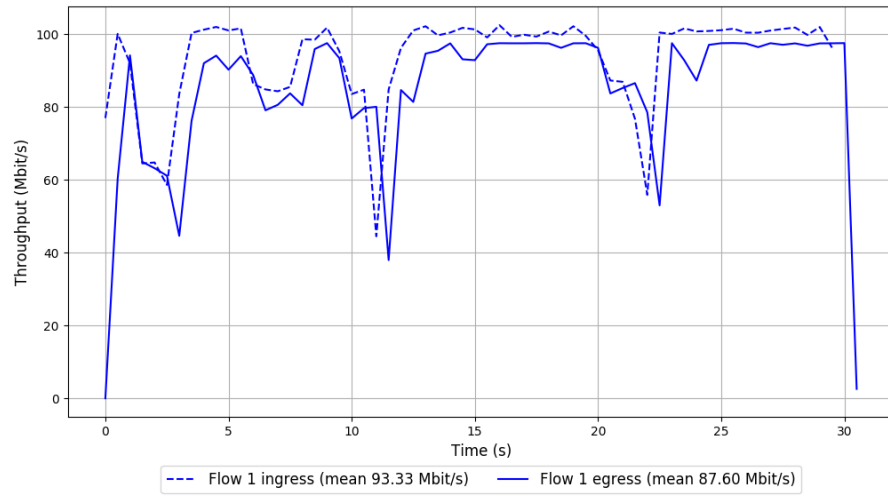


Run 9: Statistics of TCP BBR

Start at: 2018-07-24 09:21:15
End at: 2018-07-24 09:21:45
Local clock offset: 1.342 ms
Remote clock offset: -12.702 ms

Below is generated by plot.py at 2018-07-24 10:05:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.60 Mbit/s
95th percentile per-packet one-way delay: 34.771 ms
Loss rate: 6.08%
-- Flow 1:
Average throughput: 87.60 Mbit/s
95th percentile per-packet one-way delay: 34.771 ms
Loss rate: 6.08%

Run 9: Report of TCP BBR — Data Link

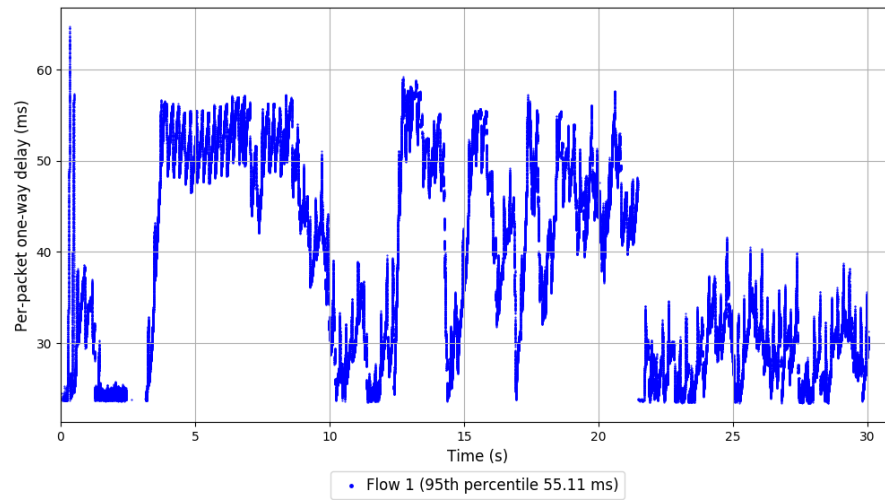
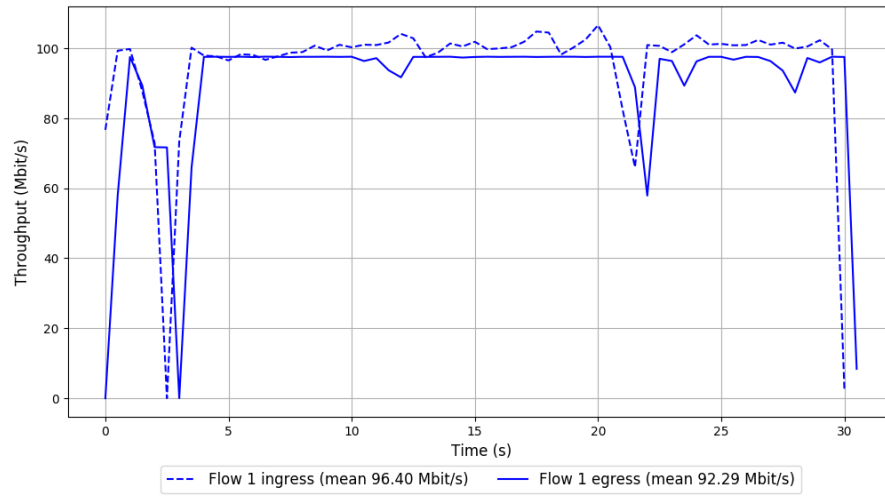


Run 10: Statistics of TCP BBR

Start at: 2018-07-24 09:41:15
End at: 2018-07-24 09:41:45
Local clock offset: 0.415 ms
Remote clock offset: -2.661 ms

Below is generated by plot.py at 2018-07-24 10:05:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 55.109 ms
Loss rate: 4.24%
-- Flow 1:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 55.109 ms
Loss rate: 4.24%

Run 10: Report of TCP BBR — Data Link

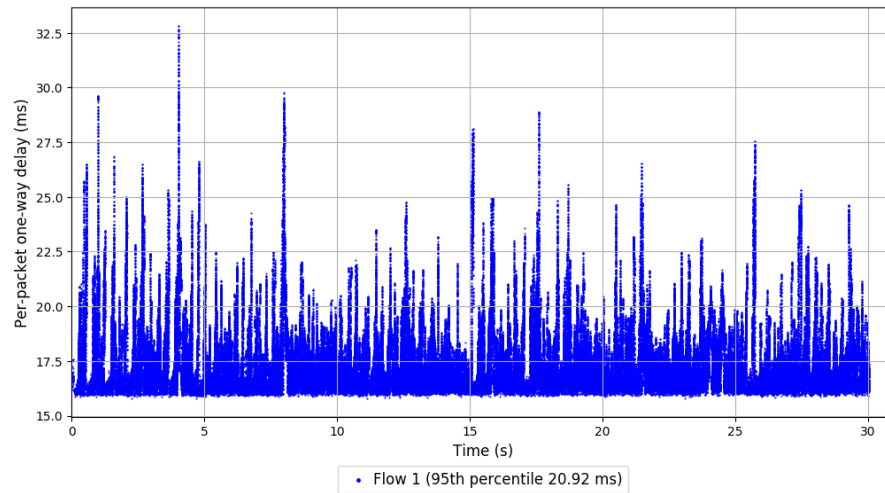
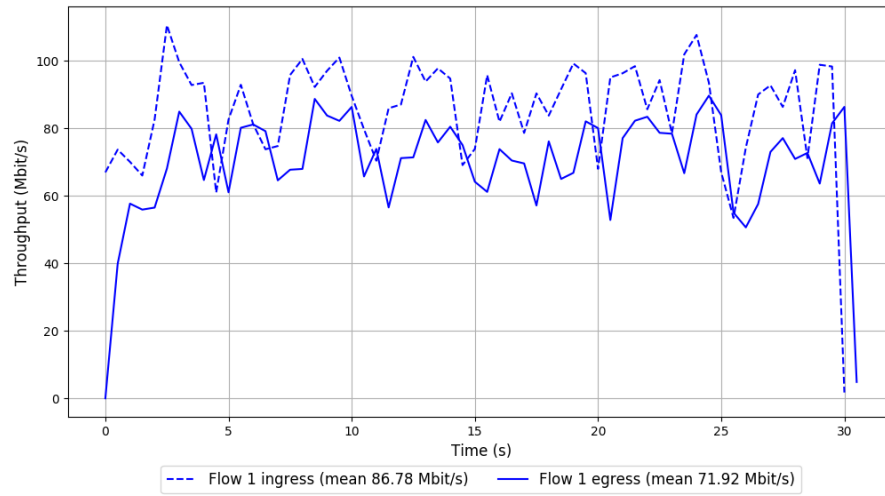


Run 1: Statistics of Copa

Start at: 2018-07-24 06:54:43
End at: 2018-07-24 06:55:13
Local clock offset: -3.184 ms
Remote clock offset: -3.063 ms

Below is generated by plot.py at 2018-07-24 10:05:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.92 Mbit/s
95th percentile per-packet one-way delay: 20.921 ms
Loss rate: 17.13%
-- Flow 1:
Average throughput: 71.92 Mbit/s
95th percentile per-packet one-way delay: 20.921 ms
Loss rate: 17.13%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

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

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

Local clock offset: -2.362 ms

Remote clock offset: 5.065 ms

Below is generated by plot.py at 2018-07-24 10:05:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.28 Mbit/s

95th percentile per-packet one-way delay: 29.545 ms

Loss rate: 13.05%

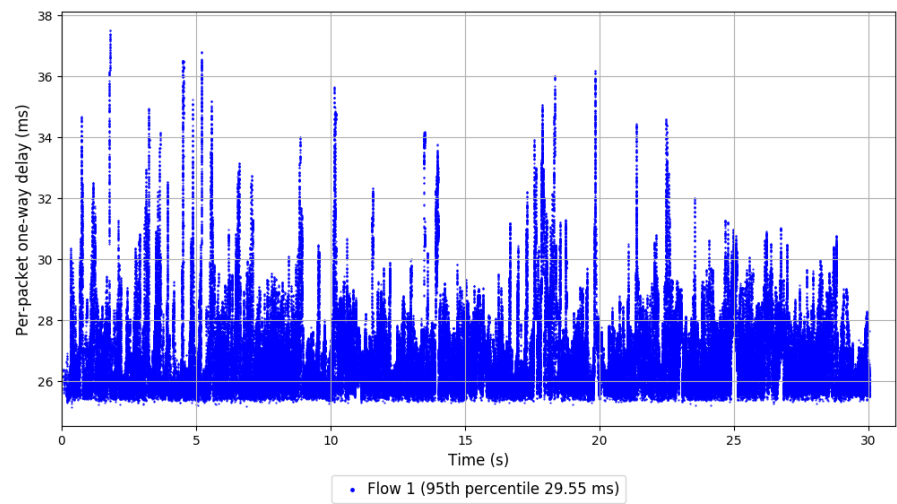
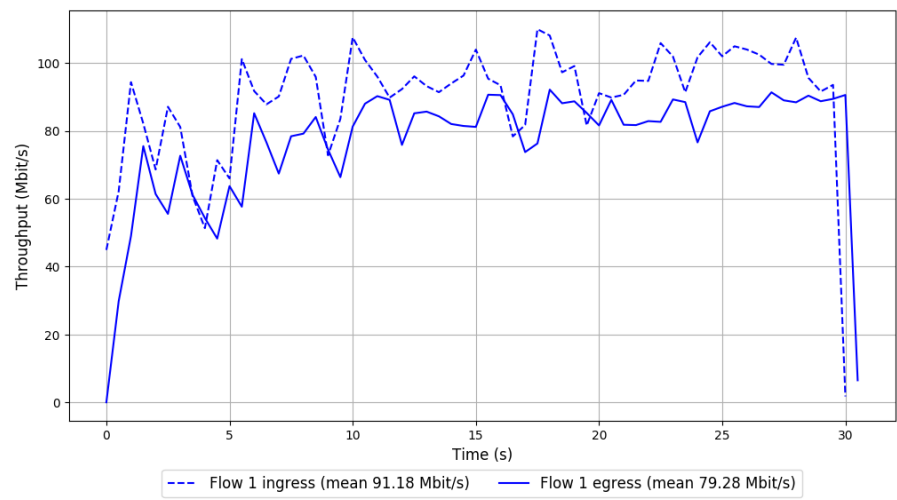
-- Flow 1:

Average throughput: 79.28 Mbit/s

95th percentile per-packet one-way delay: 29.545 ms

Loss rate: 13.05%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-24 07:34:21

End at: 2018-07-24 07:34:51

Local clock offset: -0.722 ms

Remote clock offset: -13.013 ms

Below is generated by plot.py at 2018-07-24 10:05:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.46 Mbit/s

95th percentile per-packet one-way delay: 14.666 ms

Loss rate: 6.38%

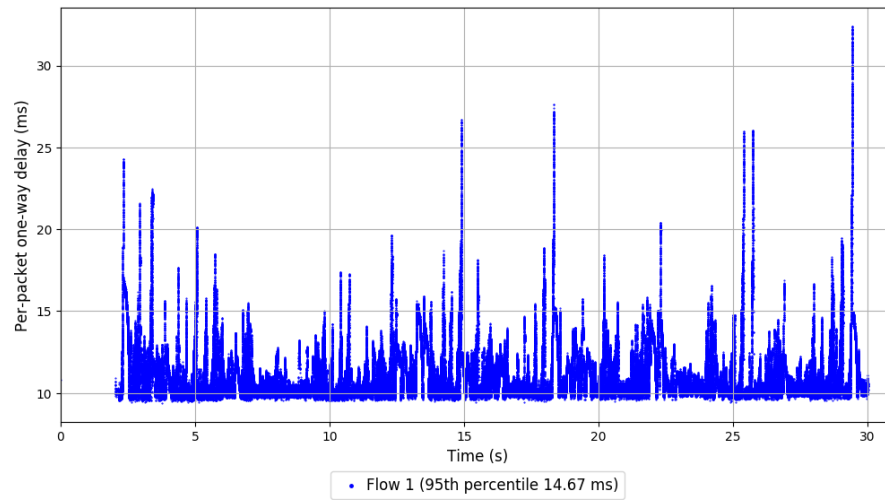
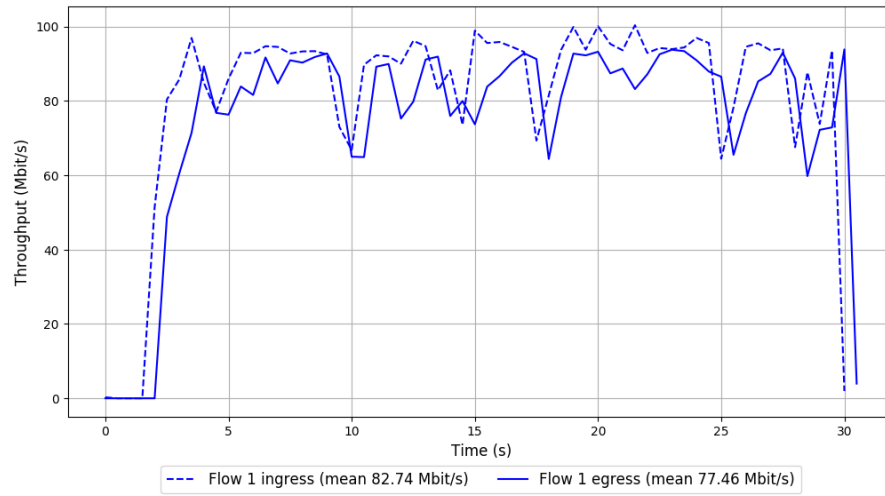
-- Flow 1:

Average throughput: 77.46 Mbit/s

95th percentile per-packet one-way delay: 14.666 ms

Loss rate: 6.38%

Run 3: Report of Copa — Data Link

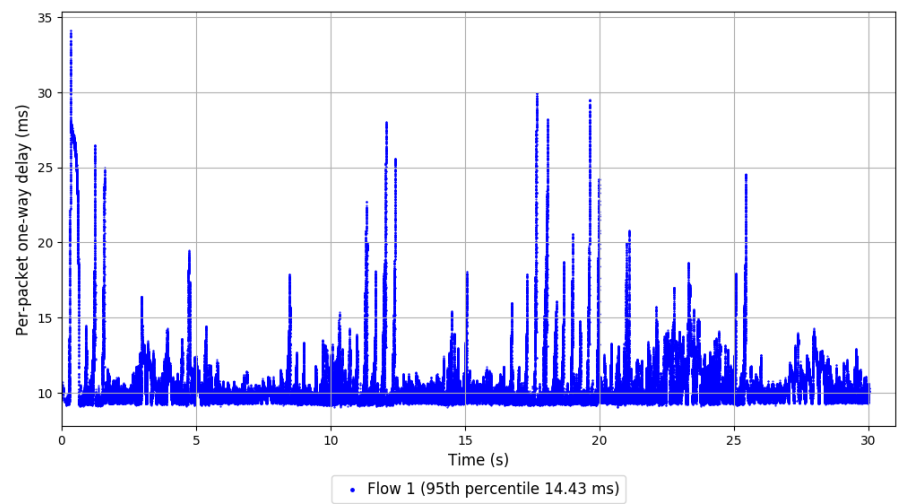
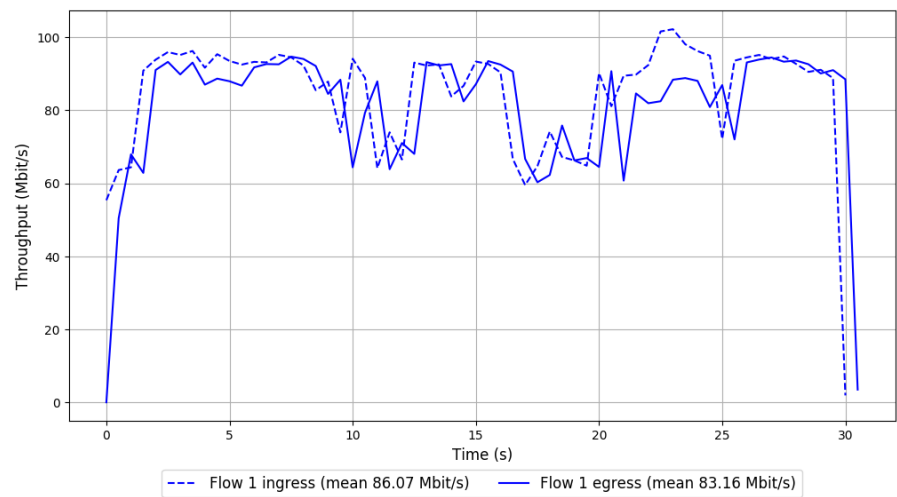


Run 4: Statistics of Copa

Start at: 2018-07-24 07:54:38
End at: 2018-07-24 07:55:08
Local clock offset: -0.393 ms
Remote clock offset: -15.167 ms

Below is generated by plot.py at 2018-07-24 10:06:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 14.434 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 14.434 ms
Loss rate: 3.38%

Run 4: Report of Copa — Data Link

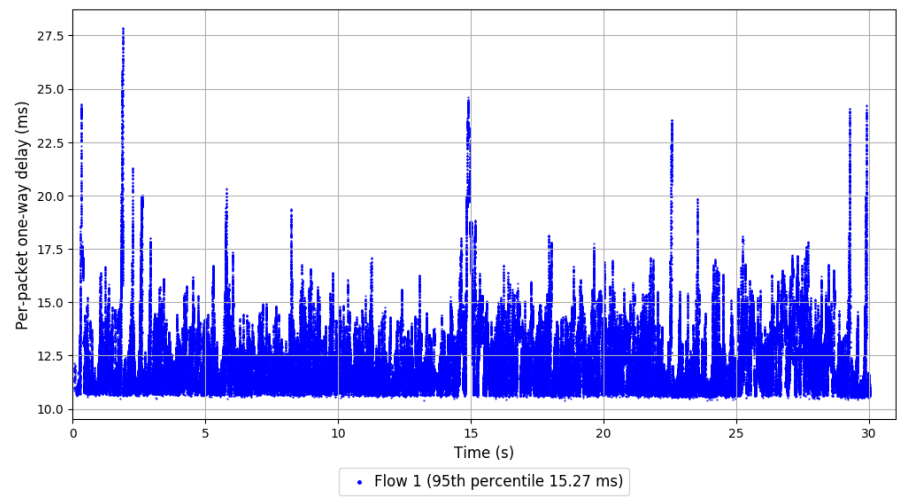
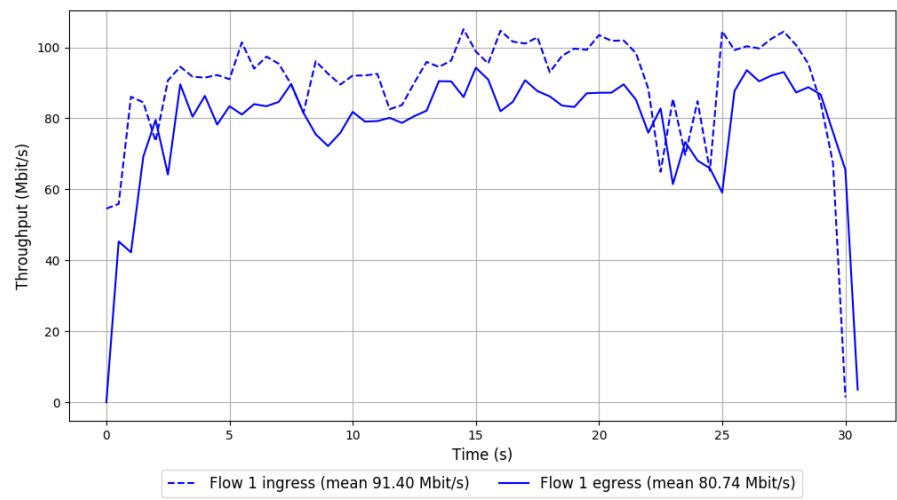


Run 5: Statistics of Copa

Start at: 2018-07-24 08:14:52
End at: 2018-07-24 08:15:22
Local clock offset: 0.256 ms
Remote clock offset: -6.258 ms

Below is generated by plot.py at 2018-07-24 10:06:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.74 Mbit/s
95th percentile per-packet one-way delay: 15.272 ms
Loss rate: 11.67%
-- Flow 1:
Average throughput: 80.74 Mbit/s
95th percentile per-packet one-way delay: 15.272 ms
Loss rate: 11.67%

Run 5: Report of Copa — Data Link

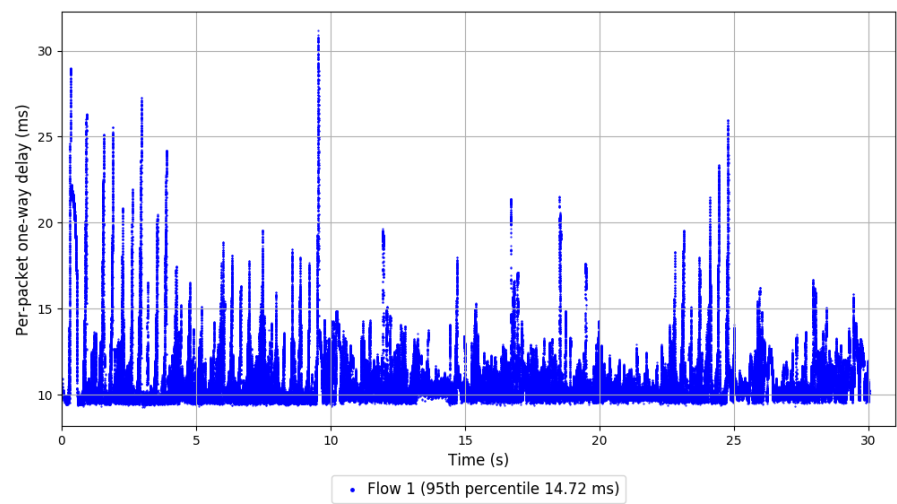
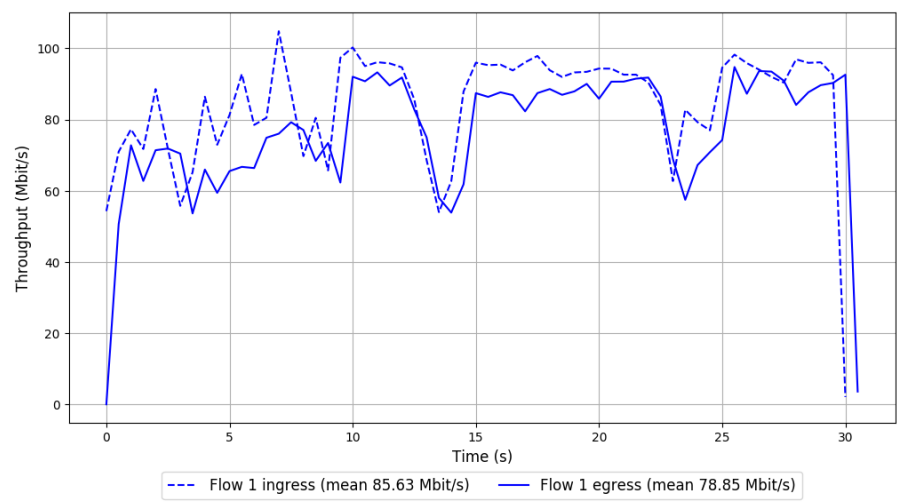


Run 6: Statistics of Copa

Start at: 2018-07-24 08:34:57
End at: 2018-07-24 08:35:27
Local clock offset: 0.751 ms
Remote clock offset: -5.326 ms

Below is generated by plot.py at 2018-07-24 10:06:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.85 Mbit/s
95th percentile per-packet one-way delay: 14.725 ms
Loss rate: 7.92%
-- Flow 1:
Average throughput: 78.85 Mbit/s
95th percentile per-packet one-way delay: 14.725 ms
Loss rate: 7.92%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-24 08:54:42

End at: 2018-07-24 08:55:12

Local clock offset: 0.179 ms

Remote clock offset: -8.69 ms

Below is generated by plot.py at 2018-07-24 10:06:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.41 Mbit/s

95th percentile per-packet one-way delay: 16.193 ms

Loss rate: 8.99%

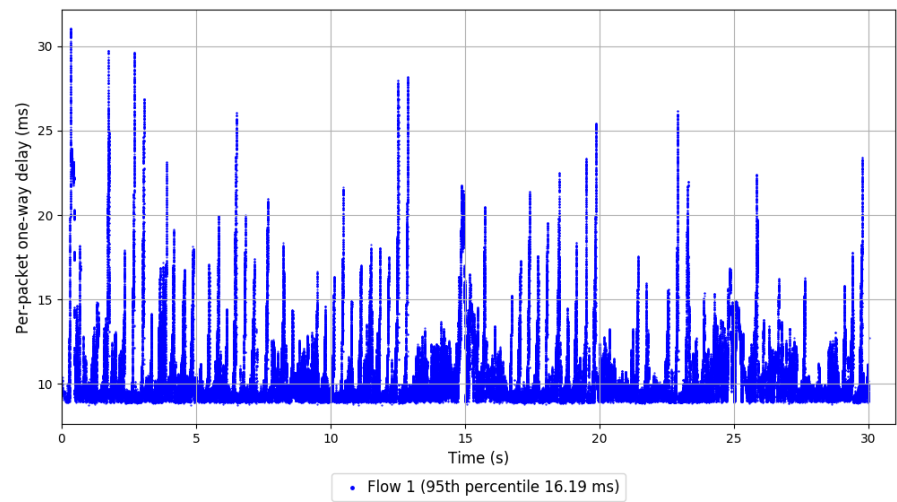
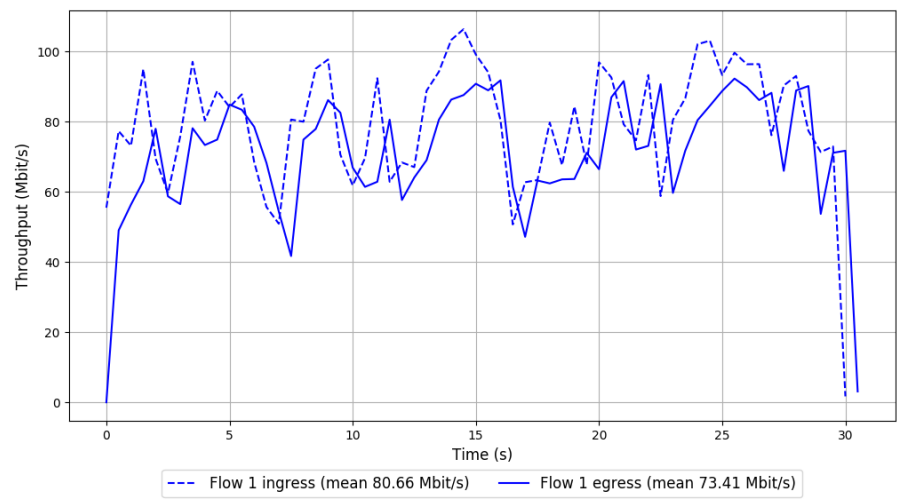
-- Flow 1:

Average throughput: 73.41 Mbit/s

95th percentile per-packet one-way delay: 16.193 ms

Loss rate: 8.99%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-24 09:14:26

End at: 2018-07-24 09:14:56

Local clock offset: 2.531 ms

Remote clock offset: -0.99 ms

Below is generated by plot.py at 2018-07-24 10:07:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.65 Mbit/s

95th percentile per-packet one-way delay: 25.688 ms

Loss rate: 3.35%

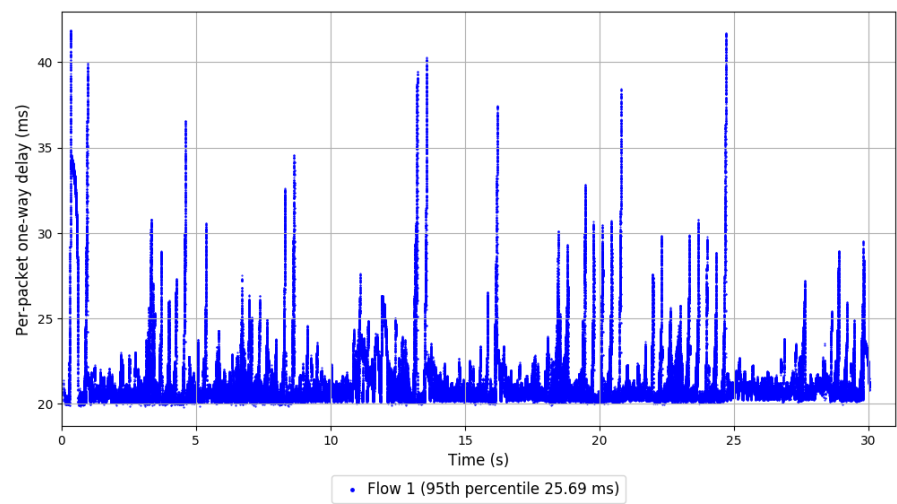
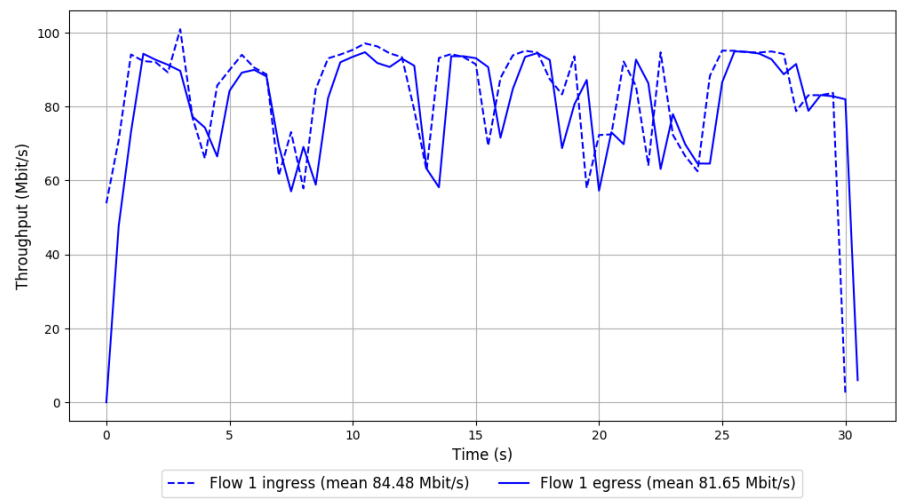
-- Flow 1:

Average throughput: 81.65 Mbit/s

95th percentile per-packet one-way delay: 25.688 ms

Loss rate: 3.35%

Run 8: Report of Copa — Data Link

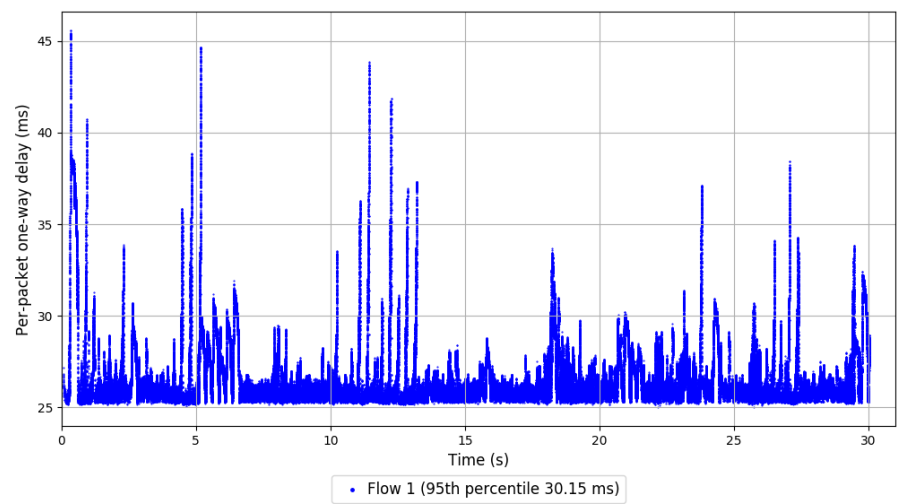
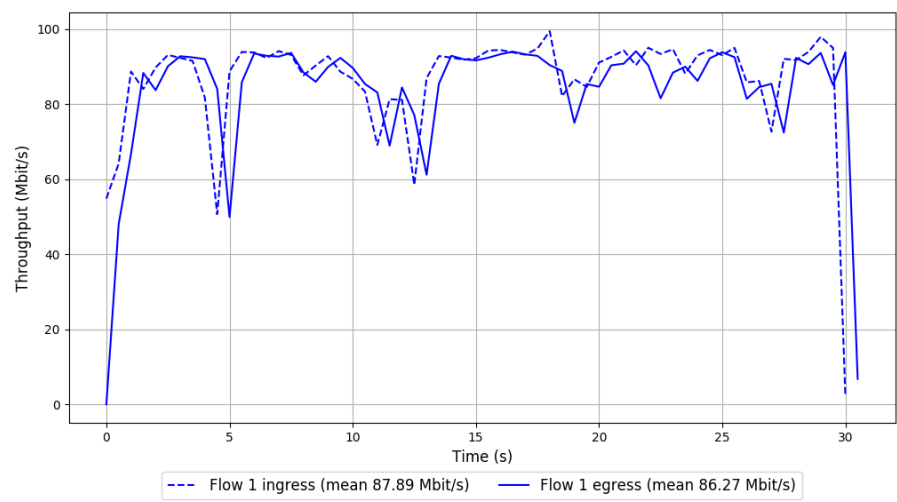


Run 9: Statistics of Copa

Start at: 2018-07-24 09:34:25
End at: 2018-07-24 09:34:55
Local clock offset: -0.179 ms
Remote clock offset: -1.434 ms

Below is generated by plot.py at 2018-07-24 10:07:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.27 Mbit/s
95th percentile per-packet one-way delay: 30.148 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 86.27 Mbit/s
95th percentile per-packet one-way delay: 30.148 ms
Loss rate: 1.84%

Run 9: Report of Copa — Data Link

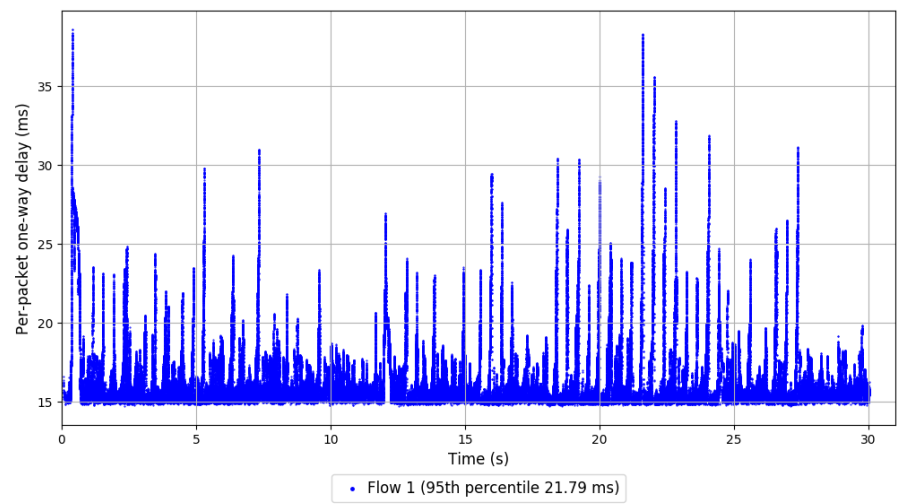
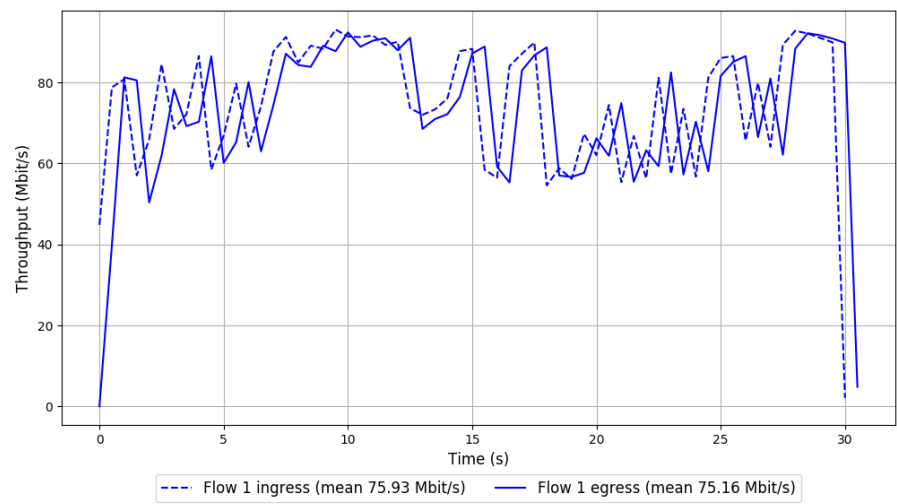


Run 10: Statistics of Copa

Start at: 2018-07-24 09:54:19
End at: 2018-07-24 09:54:49
Local clock offset: -2.446 ms
Remote clock offset: -9.511 ms

Below is generated by plot.py at 2018-07-24 10:07:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.16 Mbit/s
95th percentile per-packet one-way delay: 21.786 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 75.16 Mbit/s
95th percentile per-packet one-way delay: 21.786 ms
Loss rate: 1.01%

Run 10: Report of Copa — Data Link

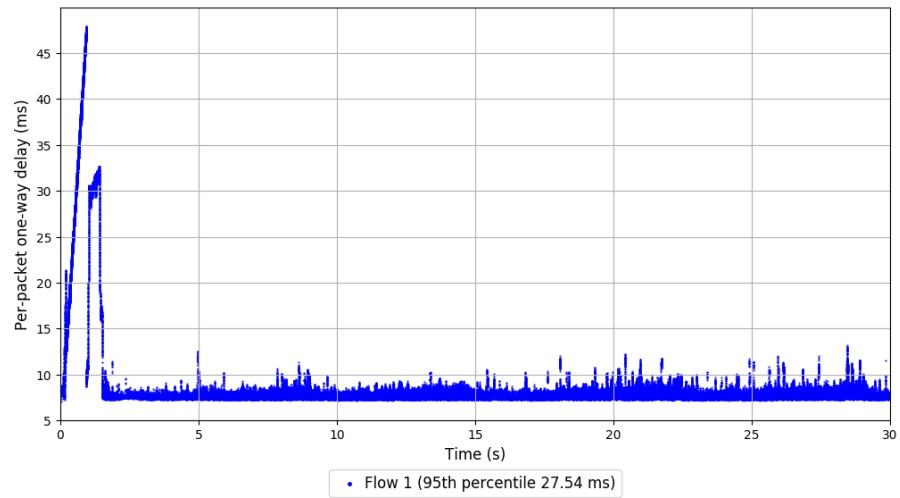
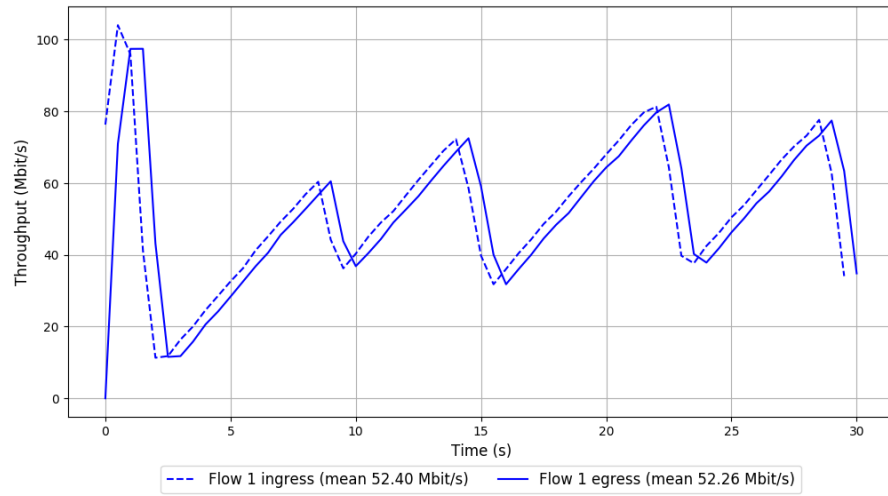


Run 1: Statistics of TCP Cubic

Start at: 2018-07-24 06:43:54
End at: 2018-07-24 06:44:24
Local clock offset: 0.78 ms
Remote clock offset: -7.533 ms

Below is generated by plot.py at 2018-07-24 10:07:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.26 Mbit/s
95th percentile per-packet one-way delay: 27.544 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 52.26 Mbit/s
95th percentile per-packet one-way delay: 27.544 ms
Loss rate: 0.27%

Run 1: Report of TCP Cubic — Data Link

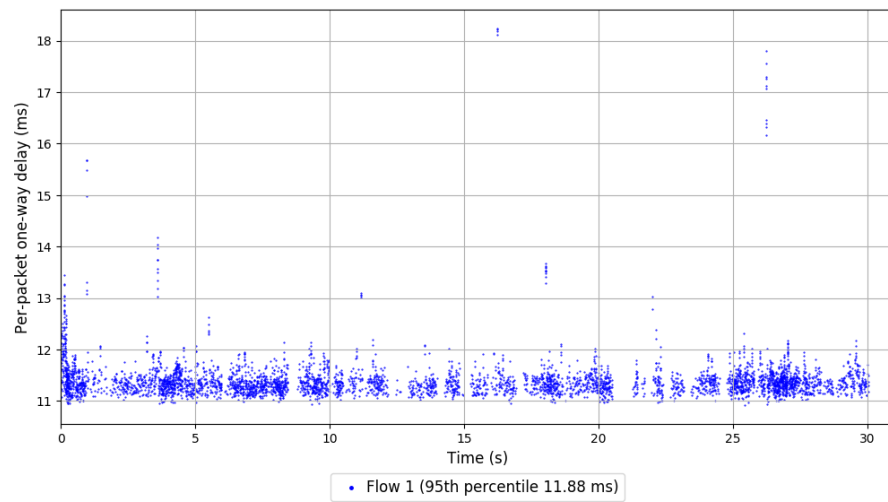
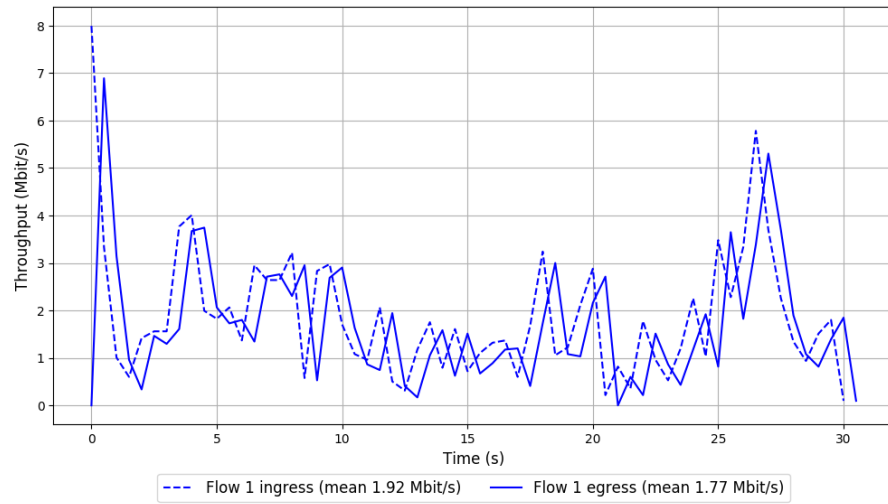


Run 2: Statistics of TCP Cubic

Start at: 2018-07-24 07:03:59
End at: 2018-07-24 07:04:29
Local clock offset: -3.172 ms
Remote clock offset: -8.598 ms

Below is generated by plot.py at 2018-07-24 10:07:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 11.875 ms
Loss rate: 8.02%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 11.875 ms
Loss rate: 8.02%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

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

End at: 2018-07-24 07:24:16

Local clock offset: 1.462 ms

Remote clock offset: -9.74 ms

Below is generated by plot.py at 2018-07-24 10:07:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.18 Mbit/s

95th percentile per-packet one-way delay: 12.761 ms

Loss rate: 0.03%

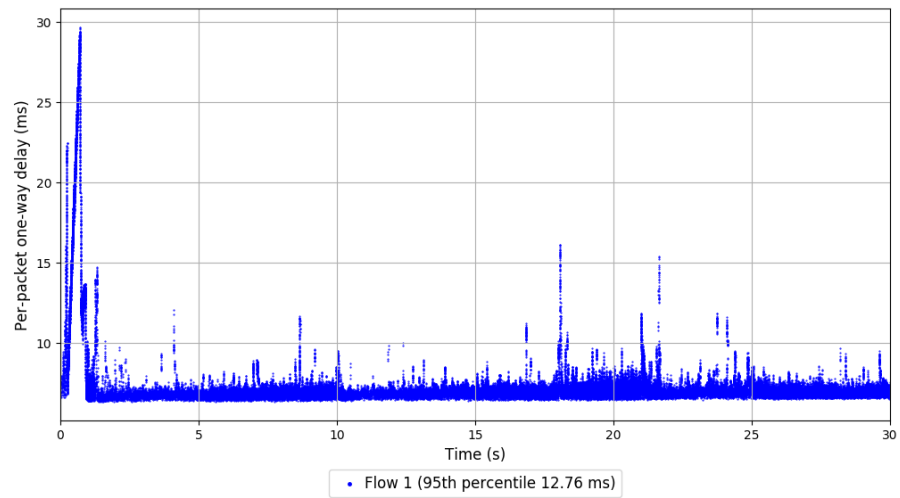
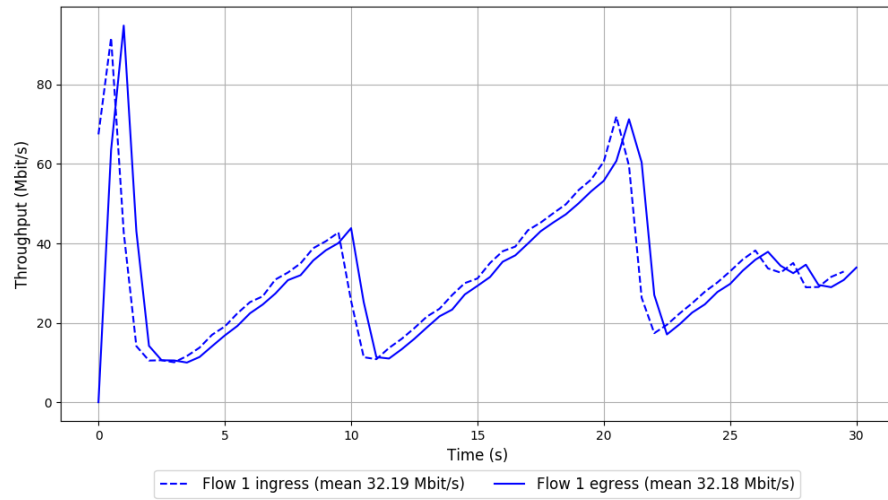
-- Flow 1:

Average throughput: 32.18 Mbit/s

95th percentile per-packet one-way delay: 12.761 ms

Loss rate: 0.03%

Run 3: Report of TCP Cubic — Data Link

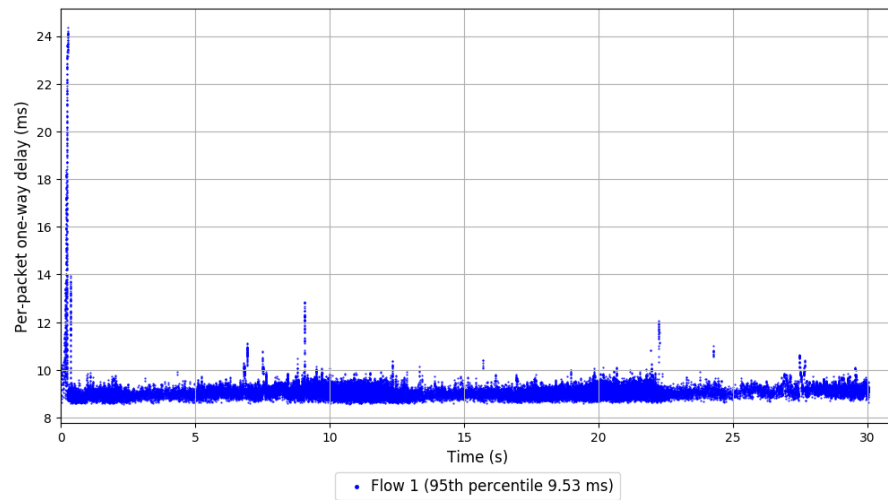
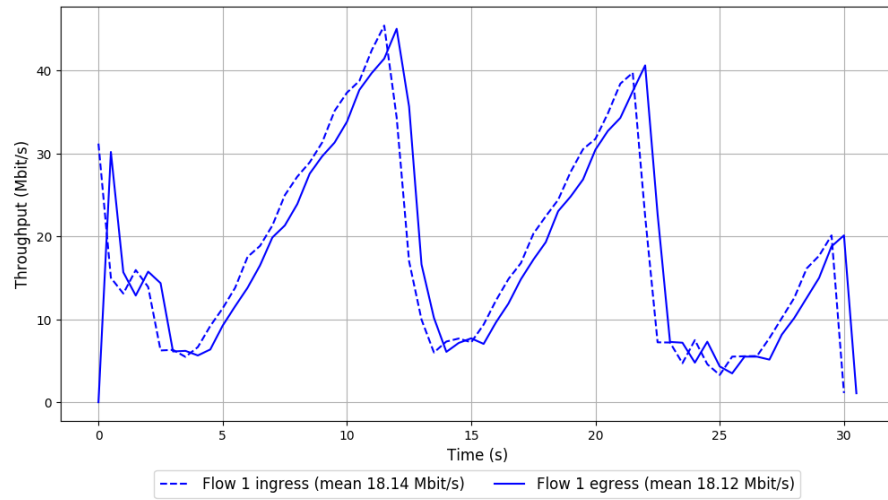


Run 4: Statistics of TCP Cubic

Start at: 2018-07-24 07:43:35
End at: 2018-07-24 07:44:06
Local clock offset: 0.538 ms
Remote clock offset: -14.304 ms

Below is generated by plot.py at 2018-07-24 10:07:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.12 Mbit/s
95th percentile per-packet one-way delay: 9.531 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 18.12 Mbit/s
95th percentile per-packet one-way delay: 9.531 ms
Loss rate: 0.11%

Run 4: Report of TCP Cubic — Data Link

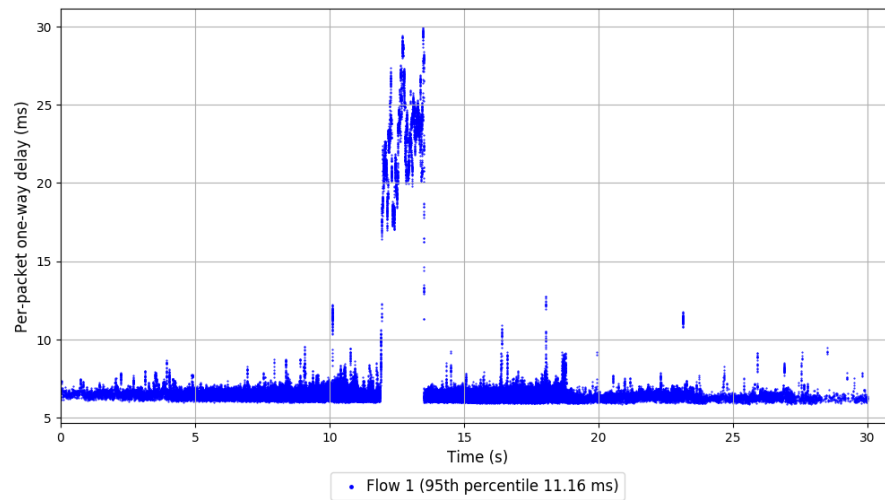
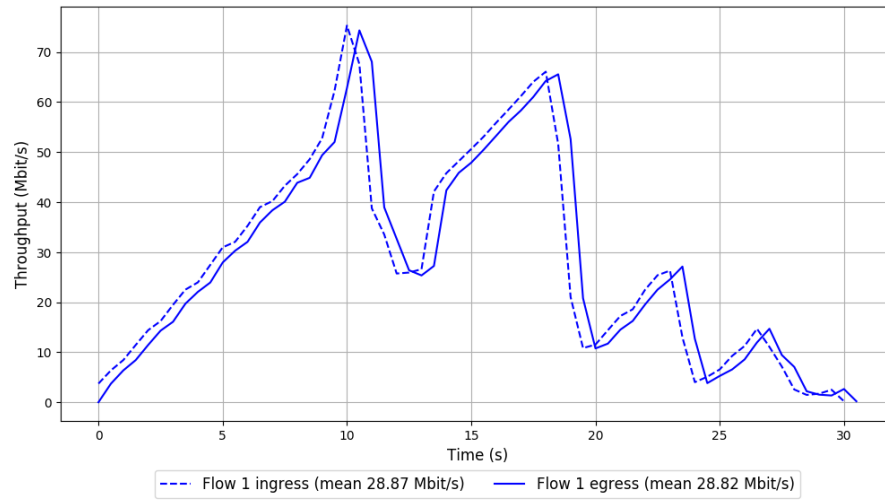


Run 5: Statistics of TCP Cubic

Start at: 2018-07-24 08:04:05
End at: 2018-07-24 08:04:35
Local clock offset: 2.894 ms
Remote clock offset: -10.699 ms

Below is generated by plot.py at 2018-07-24 10:07:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: 11.156 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: 11.156 ms
Loss rate: 0.16%

Run 5: Report of TCP Cubic — Data Link

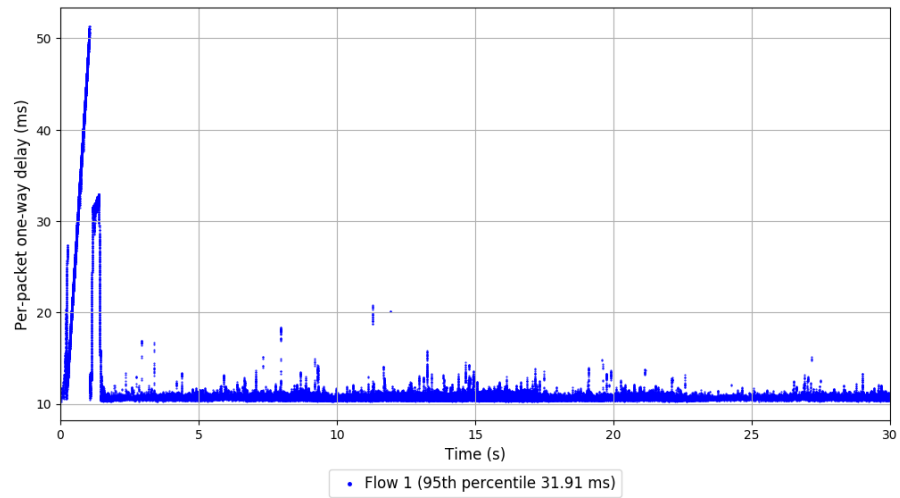
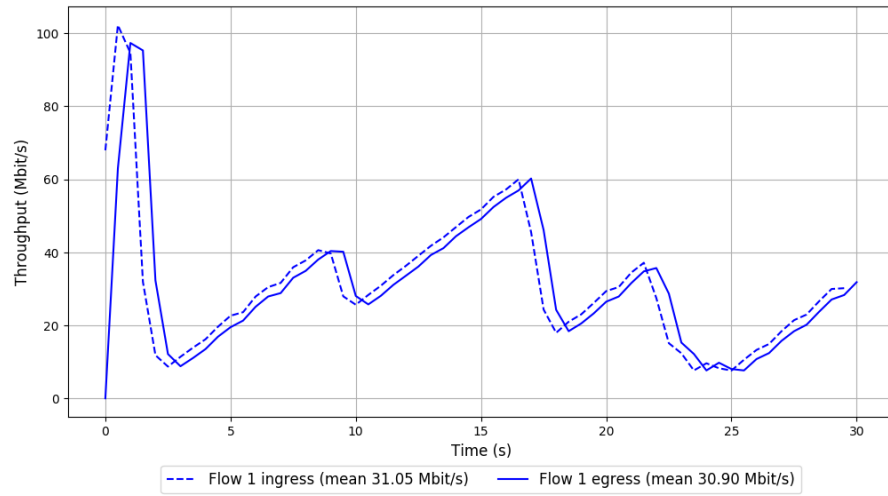


Run 6: Statistics of TCP Cubic

Start at: 2018-07-24 08:24:12
End at: 2018-07-24 08:24:42
Local clock offset: 0.096 ms
Remote clock offset: -4.874 ms

Below is generated by plot.py at 2018-07-24 10:07:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 31.906 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 31.906 ms
Loss rate: 0.47%

Run 6: Report of TCP Cubic — Data Link

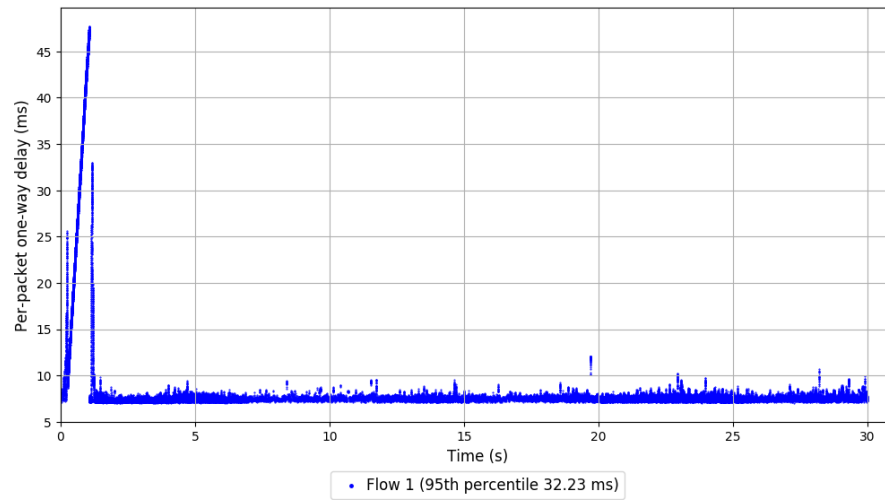
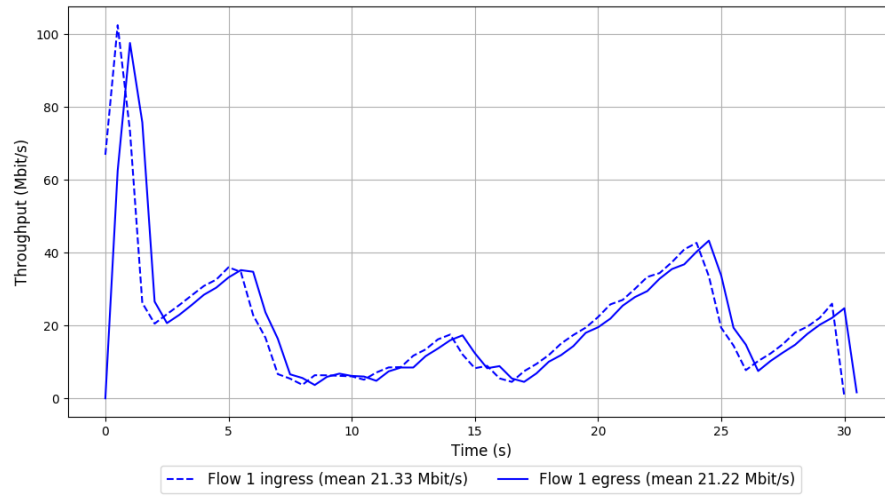


Run 7: Statistics of TCP Cubic

Start at: 2018-07-24 08:44:09
End at: 2018-07-24 08:44:39
Local clock offset: 2.942 ms
Remote clock offset: -7.526 ms

Below is generated by plot.py at 2018-07-24 10:07:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.22 Mbit/s
95th percentile per-packet one-way delay: 32.230 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 21.22 Mbit/s
95th percentile per-packet one-way delay: 32.230 ms
Loss rate: 0.54%

Run 7: Report of TCP Cubic — Data Link

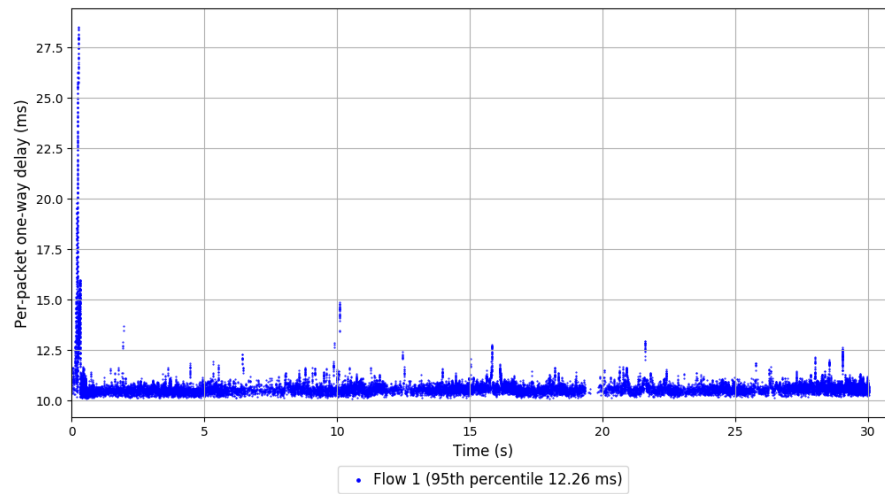
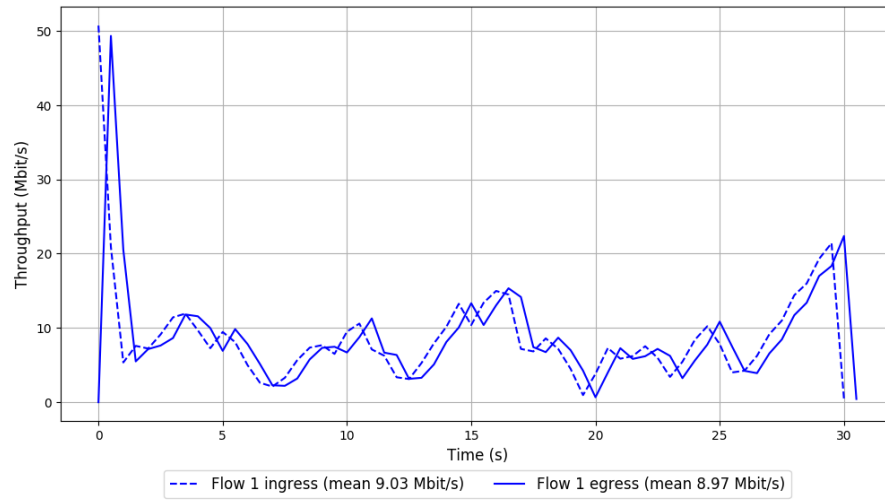


Run 8: Statistics of TCP Cubic

Start at: 2018-07-24 09:03:57
End at: 2018-07-24 09:04:27
Local clock offset: -0.572 ms
Remote clock offset: -8.336 ms

Below is generated by plot.py at 2018-07-24 10:07:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.97 Mbit/s
95th percentile per-packet one-way delay: 12.264 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 8.97 Mbit/s
95th percentile per-packet one-way delay: 12.264 ms
Loss rate: 0.66%

Run 8: Report of TCP Cubic — Data Link

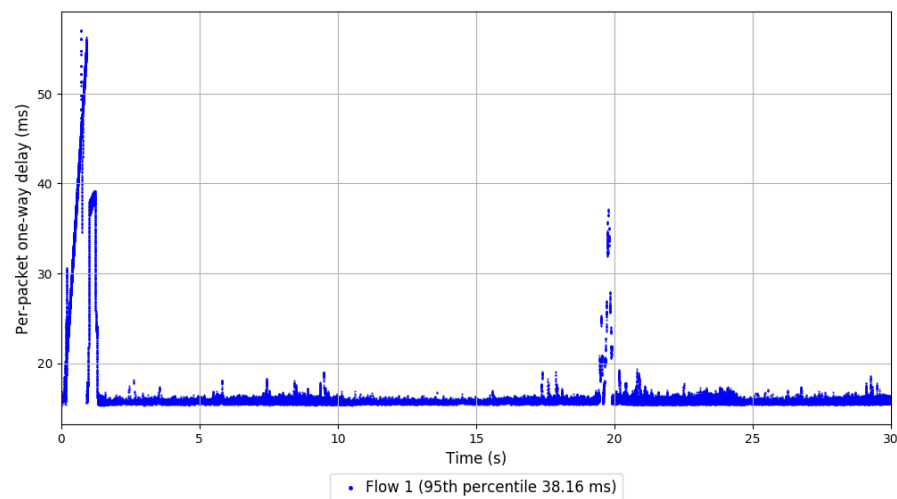
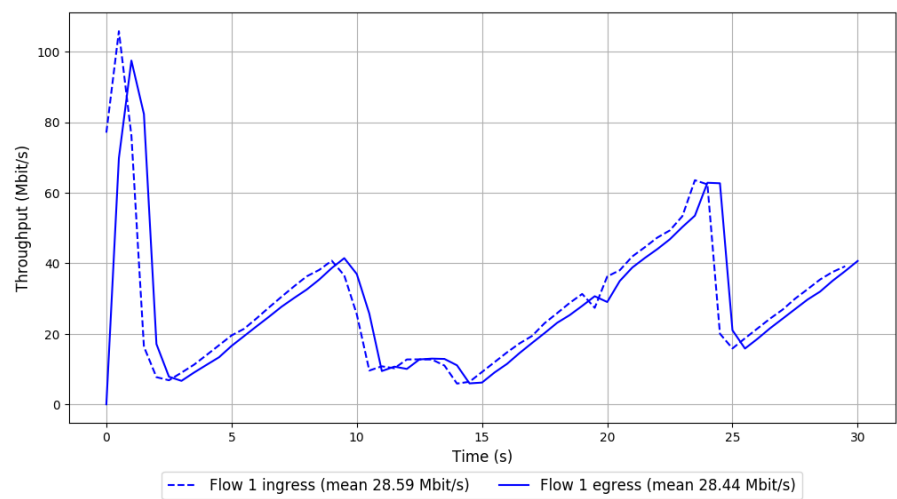


Run 9: Statistics of TCP Cubic

Start at: 2018-07-24 09:23:35
End at: 2018-07-24 09:24:05
Local clock offset: 0.055 ms
Remote clock offset: -9.699 ms

Below is generated by plot.py at 2018-07-24 10:07:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 38.165 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 38.165 ms
Loss rate: 0.52%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-24 09:43:43

End at: 2018-07-24 09:44:13

Local clock offset: 2.948 ms

Remote clock offset: 9.201 ms

Below is generated by plot.py at 2018-07-24 10:07:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.92 Mbit/s

95th percentile per-packet one-way delay: 53.226 ms

Loss rate: 0.57%

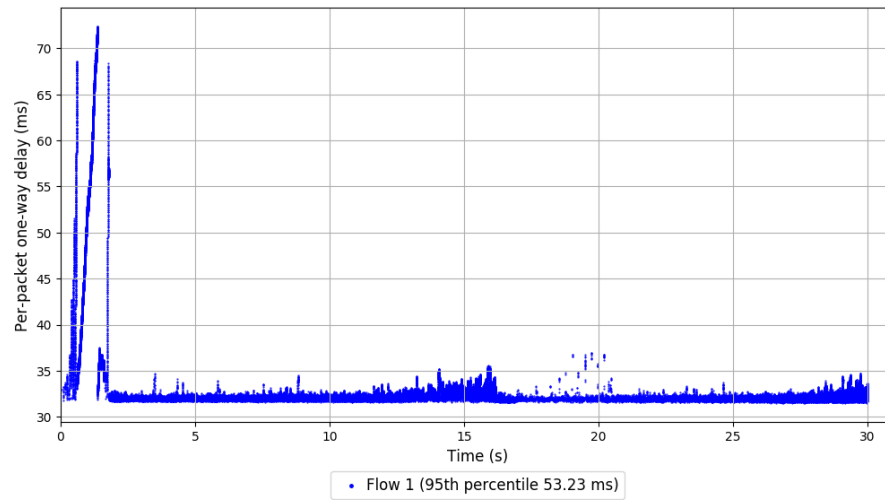
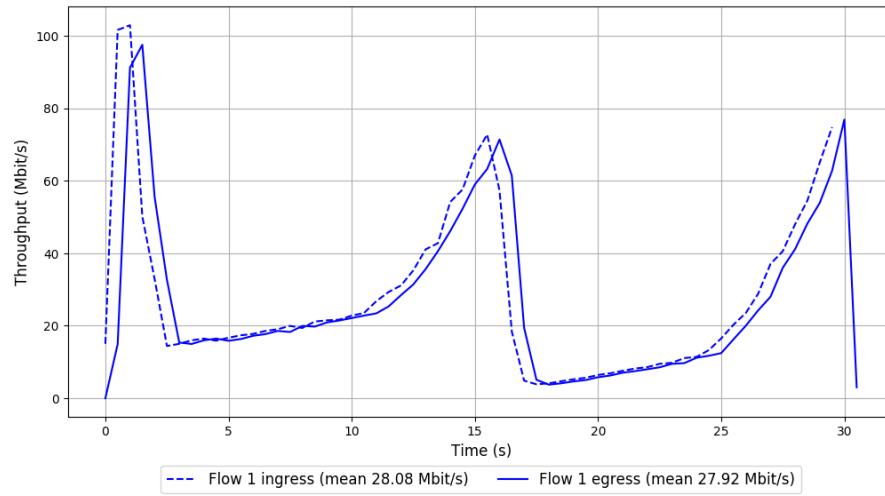
-- Flow 1:

Average throughput: 27.92 Mbit/s

95th percentile per-packet one-way delay: 53.226 ms

Loss rate: 0.57%

Run 10: Report of TCP Cubic — Data Link

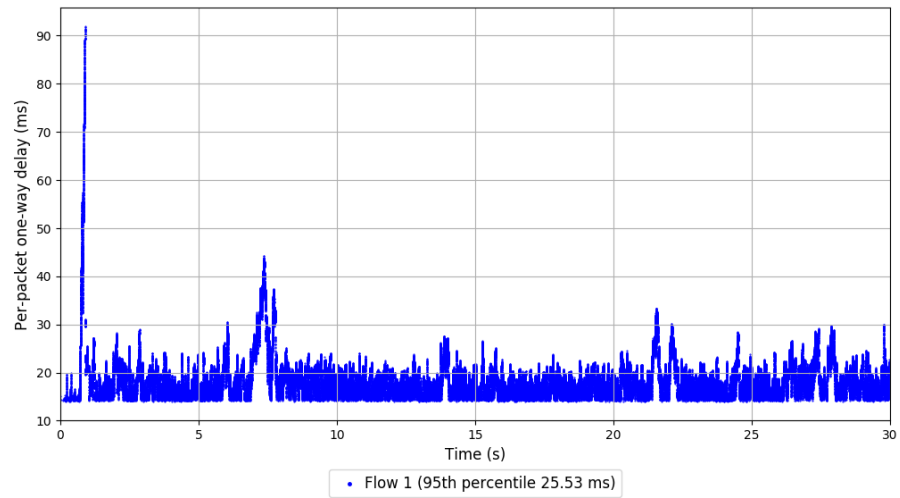
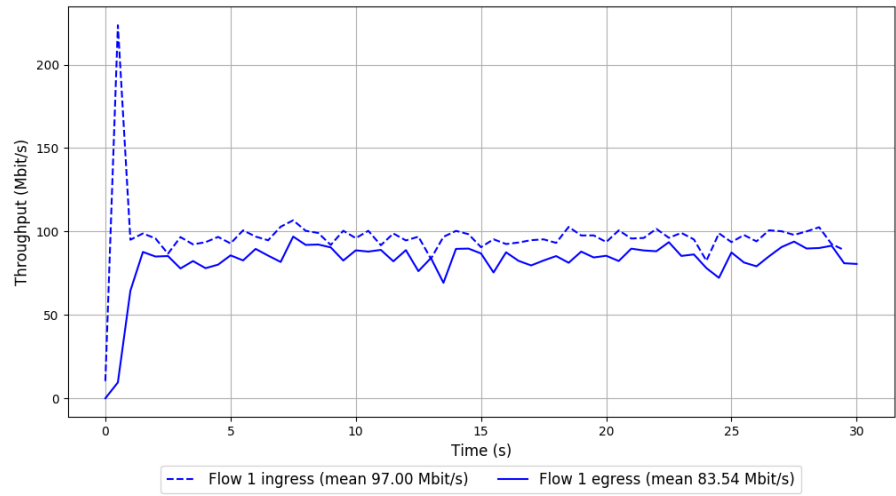


Run 1: Statistics of FillP

Start at: 2018-07-24 06:51:10
End at: 2018-07-24 06:51:40
Local clock offset: 1.011 ms
Remote clock offset: -0.414 ms

Below is generated by plot.py at 2018-07-24 10:08:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 25.526 ms
Loss rate: 13.87%
-- Flow 1:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 25.526 ms
Loss rate: 13.87%

Run 1: Report of FillP — Data Link

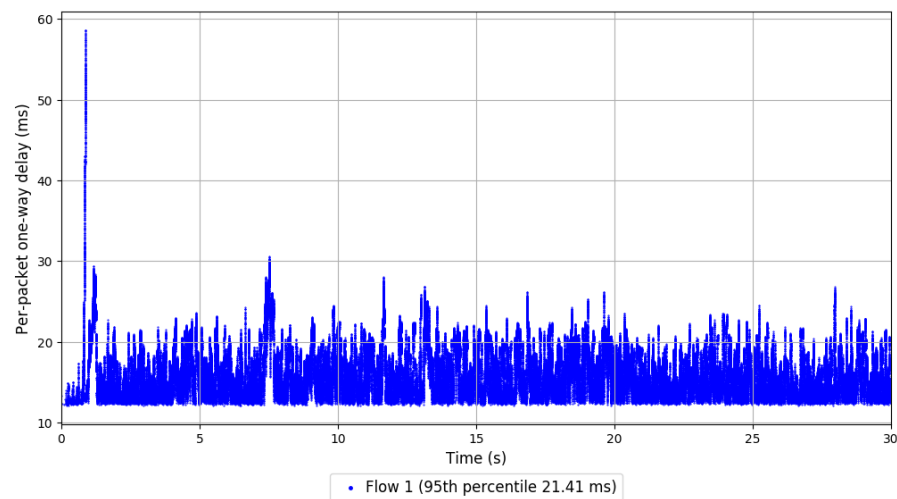
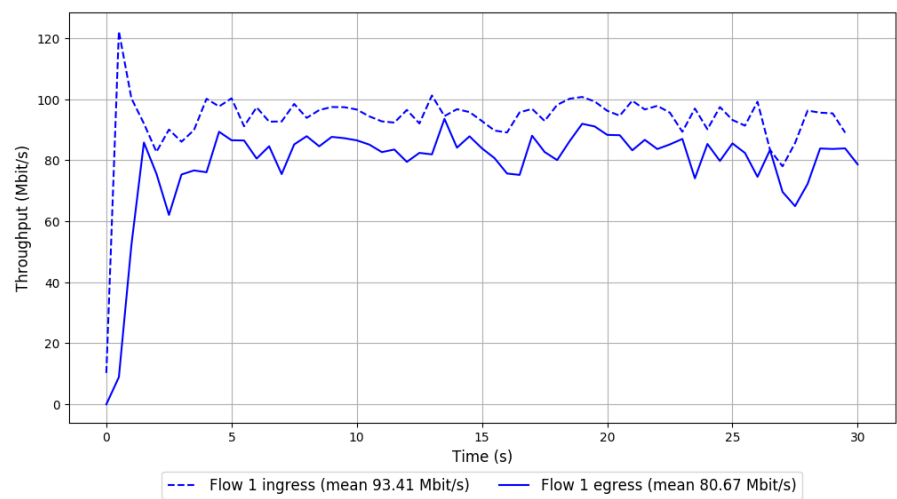


Run 2: Statistics of FillP

Start at: 2018-07-24 07:10:55
End at: 2018-07-24 07:11:25
Local clock offset: 0.69 ms
Remote clock offset: -4.687 ms

Below is generated by plot.py at 2018-07-24 10:08:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.67 Mbit/s
95th percentile per-packet one-way delay: 21.408 ms
Loss rate: 13.64%
-- Flow 1:
Average throughput: 80.67 Mbit/s
95th percentile per-packet one-way delay: 21.408 ms
Loss rate: 13.64%

Run 2: Report of FillP — Data Link

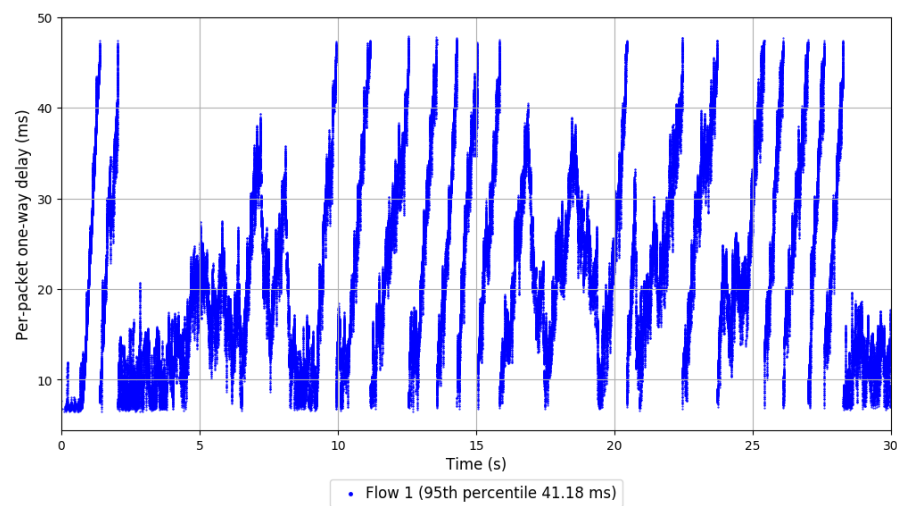
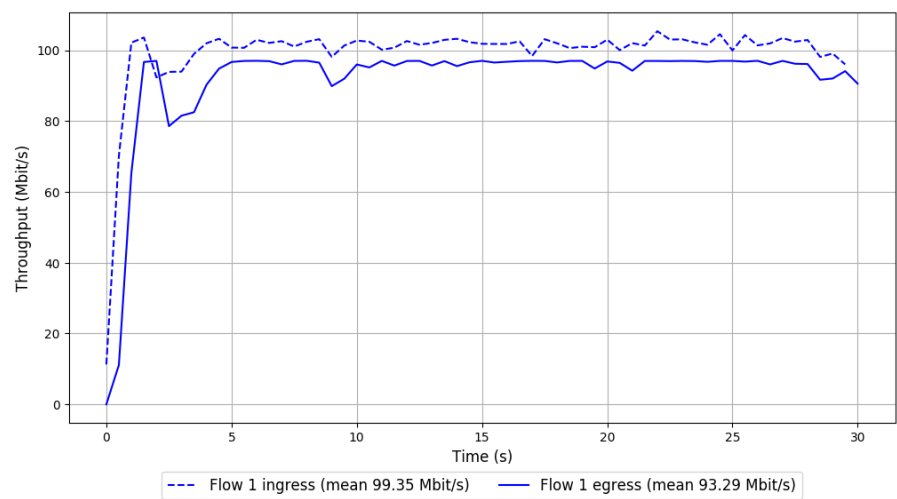


Run 3: Statistics of FillP

Start at: 2018-07-24 07:30:49
End at: 2018-07-24 07:31:19
Local clock offset: -0.212 ms
Remote clock offset: -13.483 ms

Below is generated by plot.py at 2018-07-24 10:08:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 41.181 ms
Loss rate: 6.10%
-- Flow 1:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 41.181 ms
Loss rate: 6.10%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-24 07:50:38

End at: 2018-07-24 07:51:08

Local clock offset: 3.819 ms

Remote clock offset: -15.5 ms

Below is generated by plot.py at 2018-07-24 10:08:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.31 Mbit/s

95th percentile per-packet one-way delay: 38.116 ms

Loss rate: 7.04%

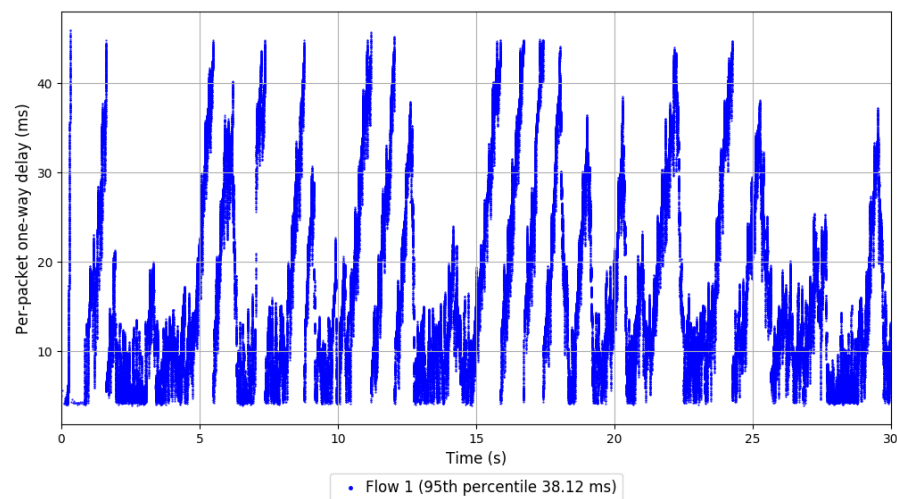
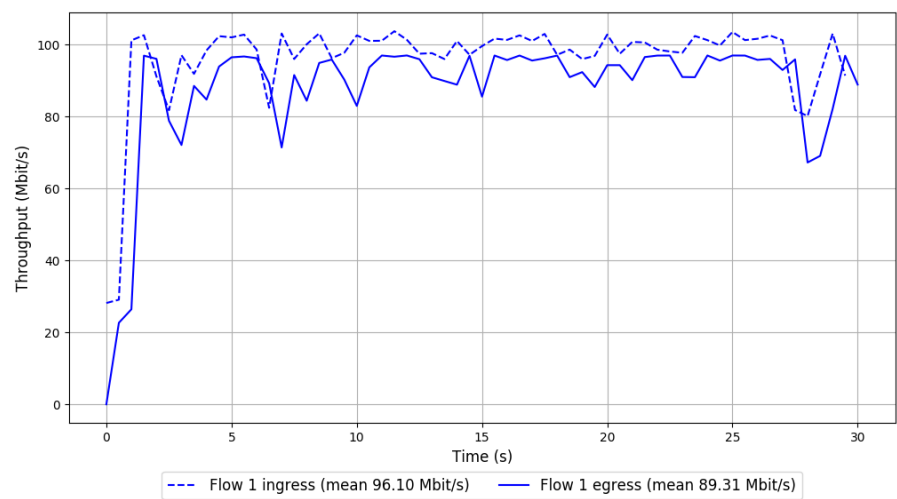
-- Flow 1:

Average throughput: 89.31 Mbit/s

95th percentile per-packet one-way delay: 38.116 ms

Loss rate: 7.04%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-24 08:11:24

End at: 2018-07-24 08:11:54

Local clock offset: 1.858 ms

Remote clock offset: 2.133 ms

Below is generated by plot.py at 2018-07-24 10:08:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.81 Mbit/s

95th percentile per-packet one-way delay: 45.268 ms

Loss rate: 8.04%

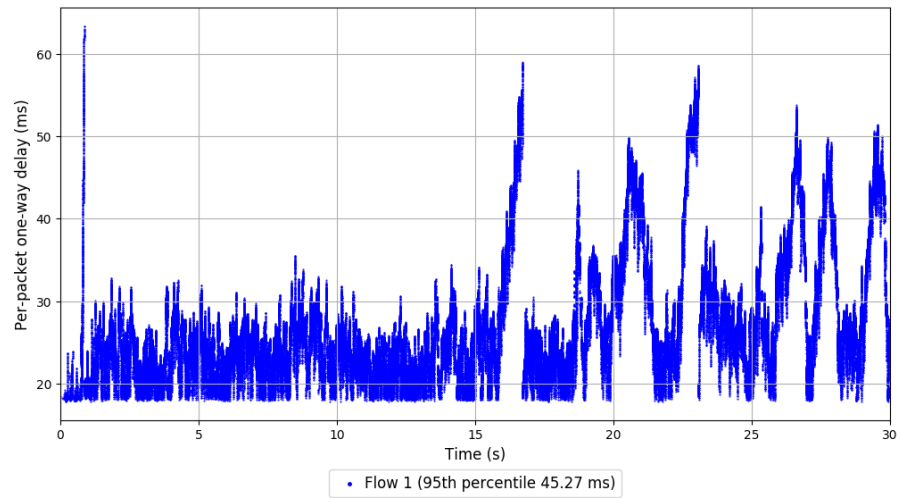
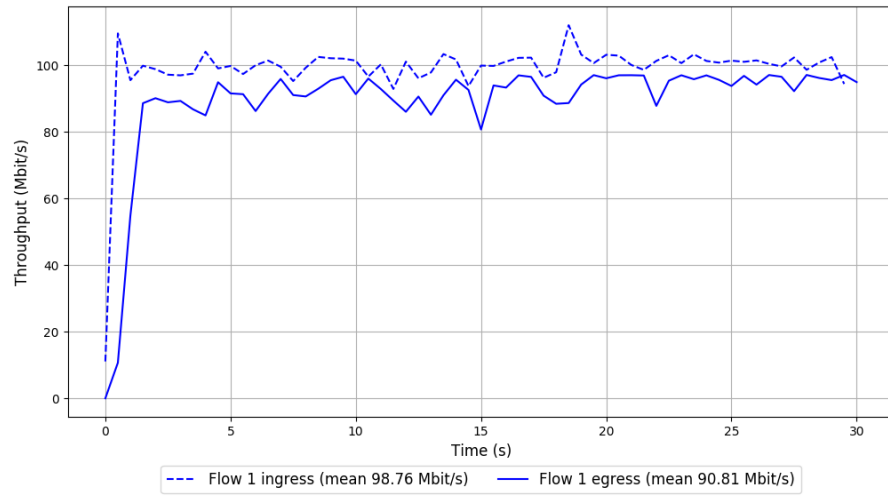
-- Flow 1:

Average throughput: 90.81 Mbit/s

95th percentile per-packet one-way delay: 45.268 ms

Loss rate: 8.04%

Run 5: Report of FillP — Data Link

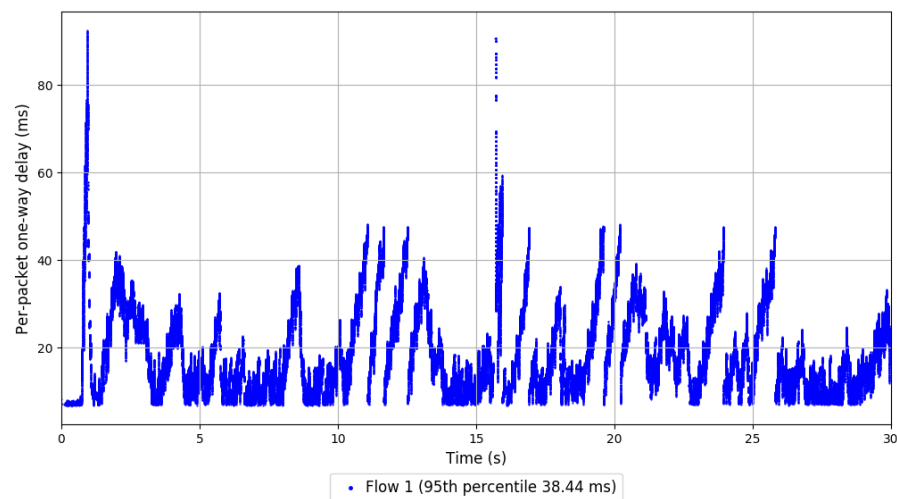
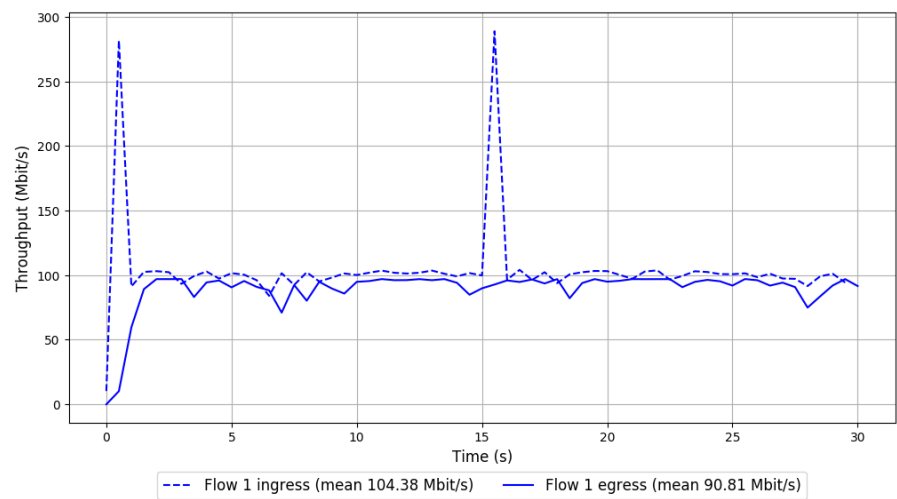


Run 6: Statistics of FillP

Start at: 2018-07-24 08:31:21
End at: 2018-07-24 08:31:51
Local clock offset: 2.097 ms
Remote clock offset: -5.608 ms

Below is generated by plot.py at 2018-07-24 10:08:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 38.438 ms
Loss rate: 12.98%
-- Flow 1:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 38.438 ms
Loss rate: 12.98%

Run 6: Report of FillP — Data Link

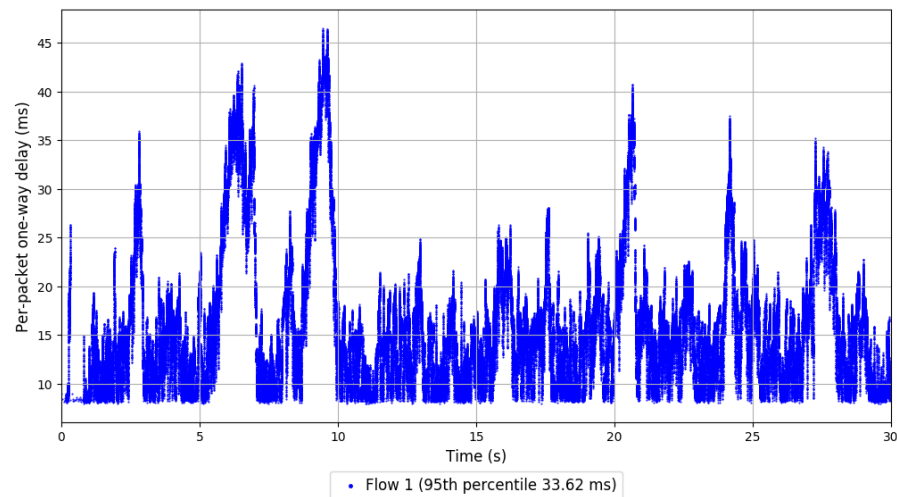
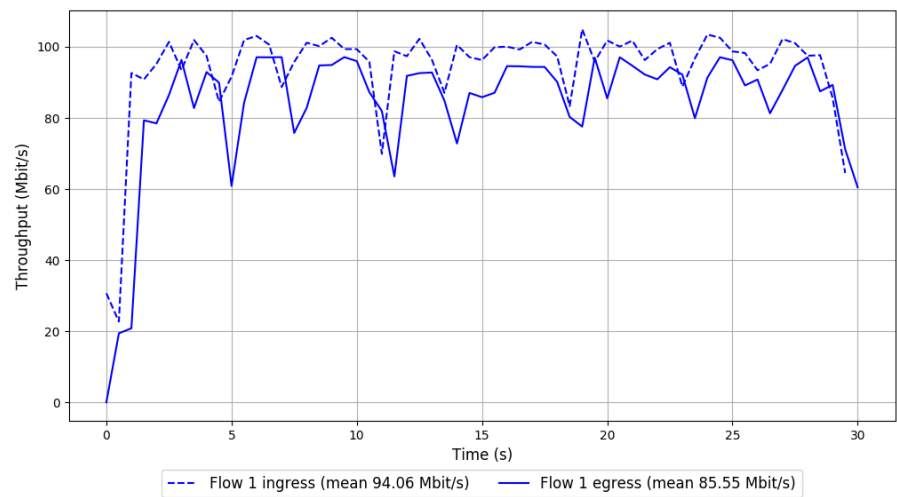


Run 7: Statistics of FillP

Start at: 2018-07-24 08:51:11
End at: 2018-07-24 08:51:41
Local clock offset: 1.388 ms
Remote clock offset: -8.146 ms

Below is generated by plot.py at 2018-07-24 10:08:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.55 Mbit/s
95th percentile per-packet one-way delay: 33.625 ms
Loss rate: 9.04%
-- Flow 1:
Average throughput: 85.55 Mbit/s
95th percentile per-packet one-way delay: 33.625 ms
Loss rate: 9.04%

Run 7: Report of FillP — Data Link

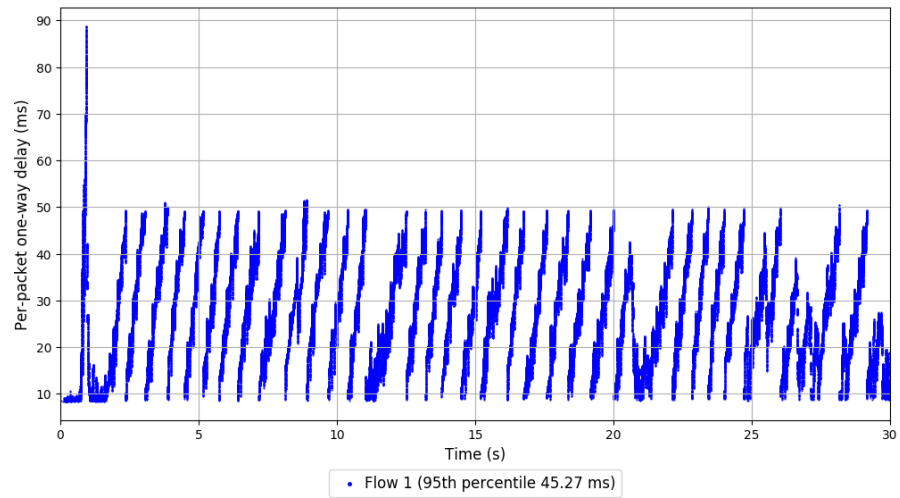
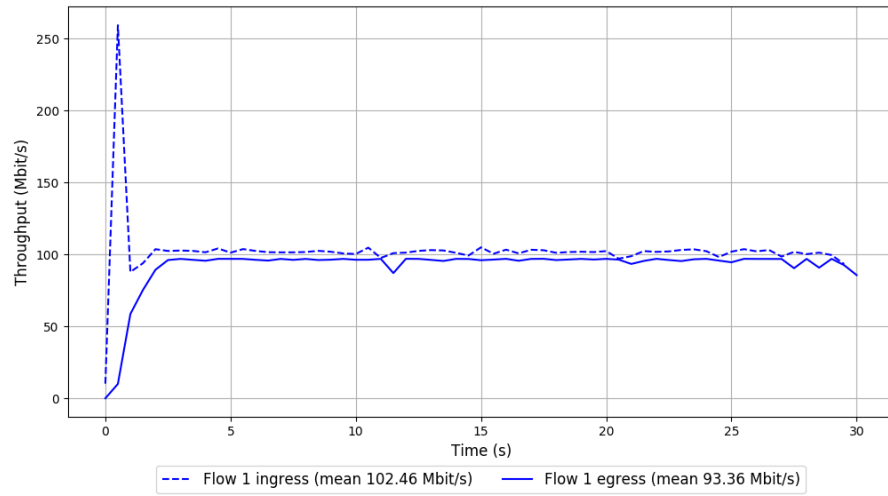


Run 8: Statistics of FillP

Start at: 2018-07-24 09:10:56
End at: 2018-07-24 09:11:26
Local clock offset: 0.618 ms
Remote clock offset: -11.679 ms

Below is generated by plot.py at 2018-07-24 10:09:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 45.266 ms
Loss rate: 8.85%
-- Flow 1:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 45.266 ms
Loss rate: 8.85%

Run 8: Report of FillP — Data Link

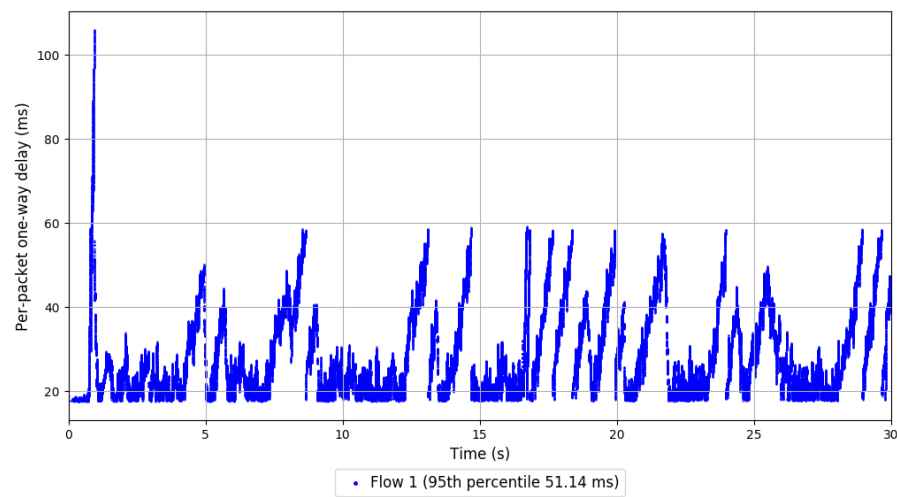
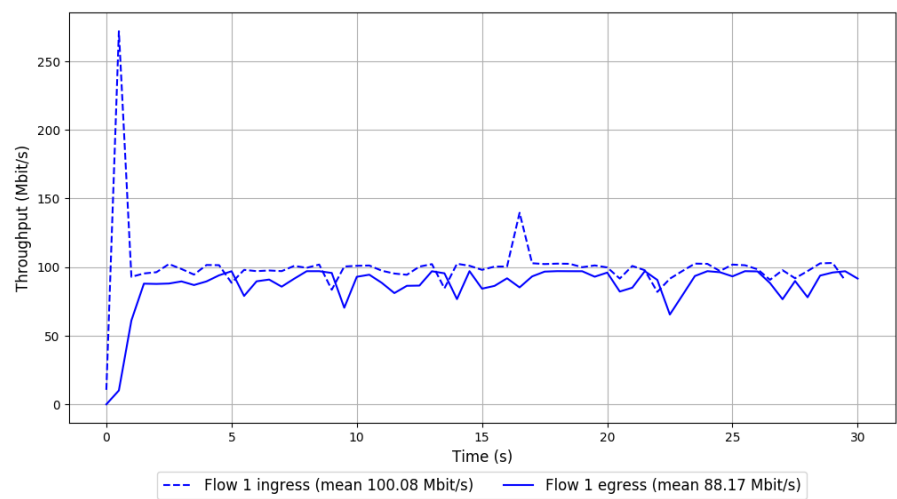


Run 9: Statistics of FillP

Start at: 2018-07-24 09:30:51
End at: 2018-07-24 09:31:21
Local clock offset: 1.32 ms
Remote clock offset: -7.176 ms

Below is generated by plot.py at 2018-07-24 10:09:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 51.140 ms
Loss rate: 11.82%
-- Flow 1:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 51.140 ms
Loss rate: 11.82%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-24 09:50:46

End at: 2018-07-24 09:51:16

Local clock offset: 1.117 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-07-24 10:09:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.16 Mbit/s

95th percentile per-packet one-way delay: 57.758 ms

Loss rate: 6.62%

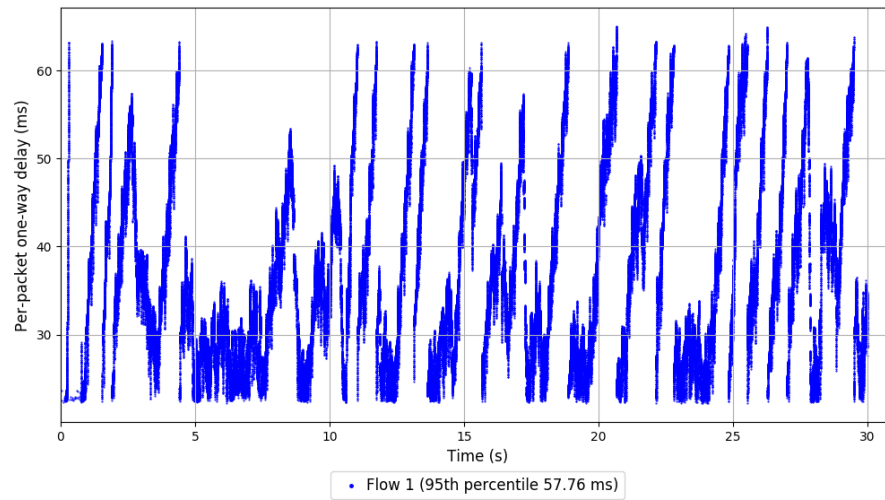
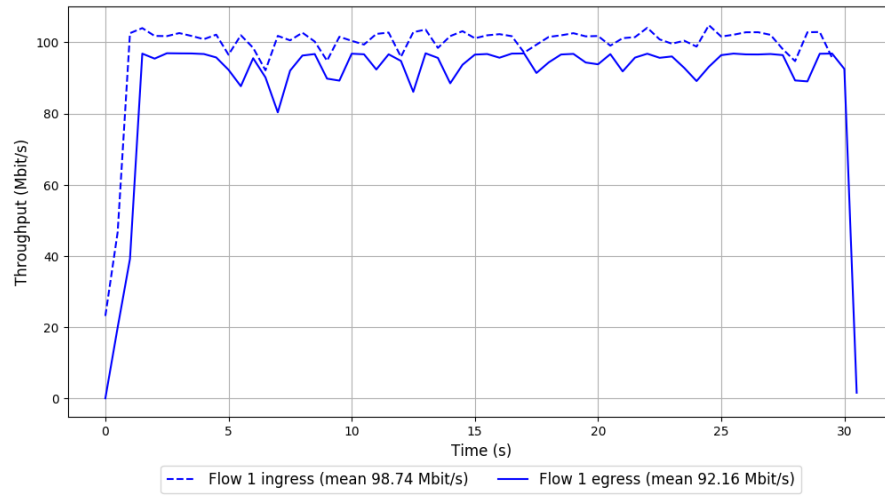
-- Flow 1:

Average throughput: 92.16 Mbit/s

95th percentile per-packet one-way delay: 57.758 ms

Loss rate: 6.62%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-24 06:42:42

End at: 2018-07-24 06:43:12

Local clock offset: 0.185 ms

Remote clock offset: -8.002 ms

Below is generated by plot.py at 2018-07-24 10:09:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 26.824 ms

Loss rate: 5.06%

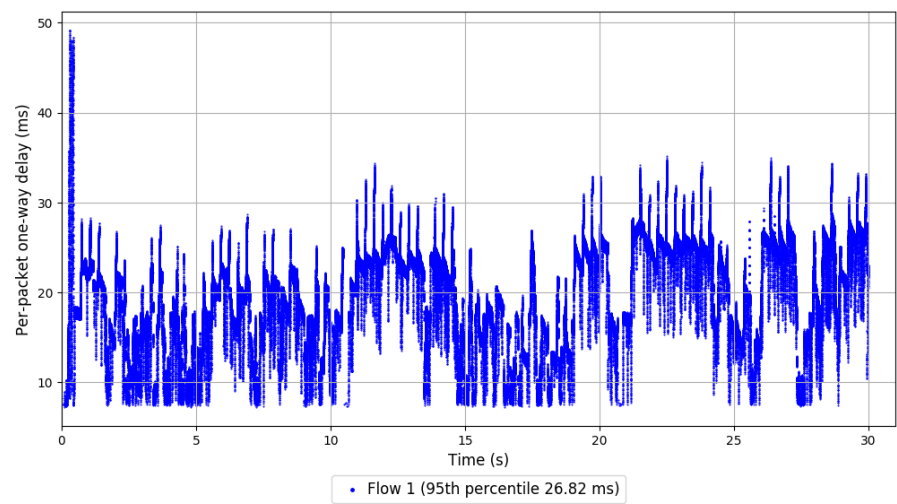
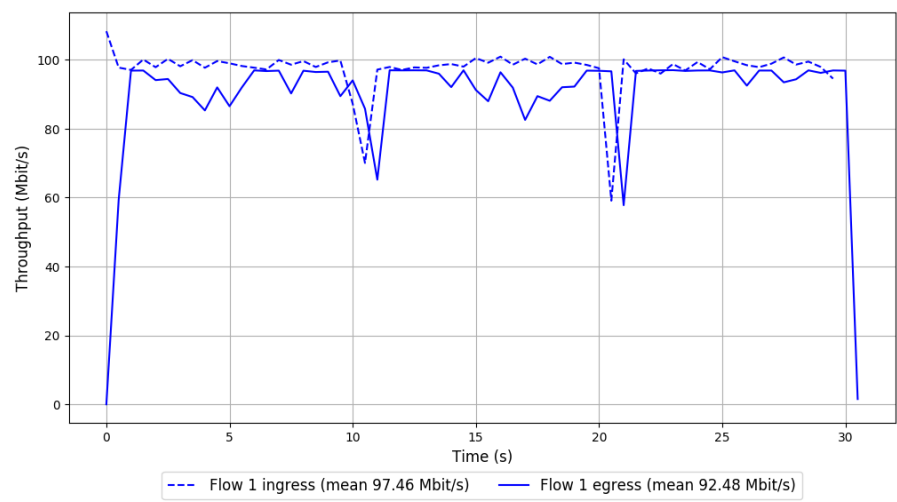
-- Flow 1:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 26.824 ms

Loss rate: 5.06%

Run 1: Report of FillP-Sheep — Data Link

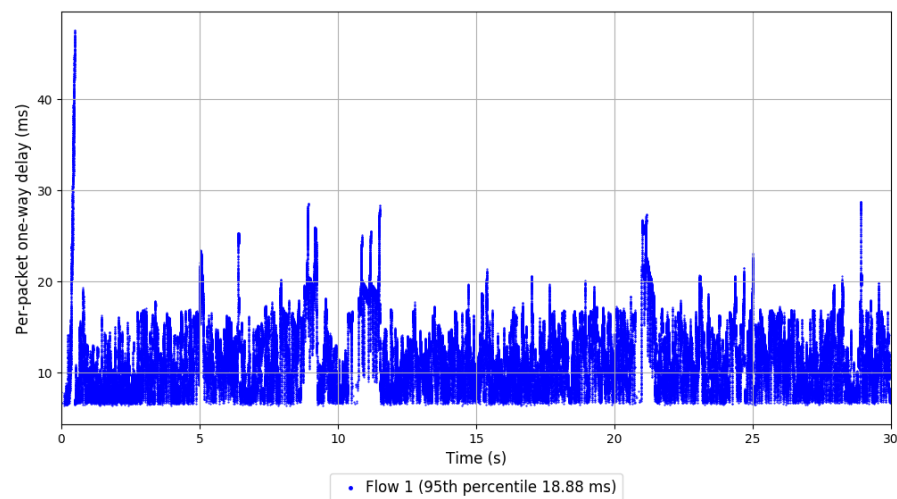
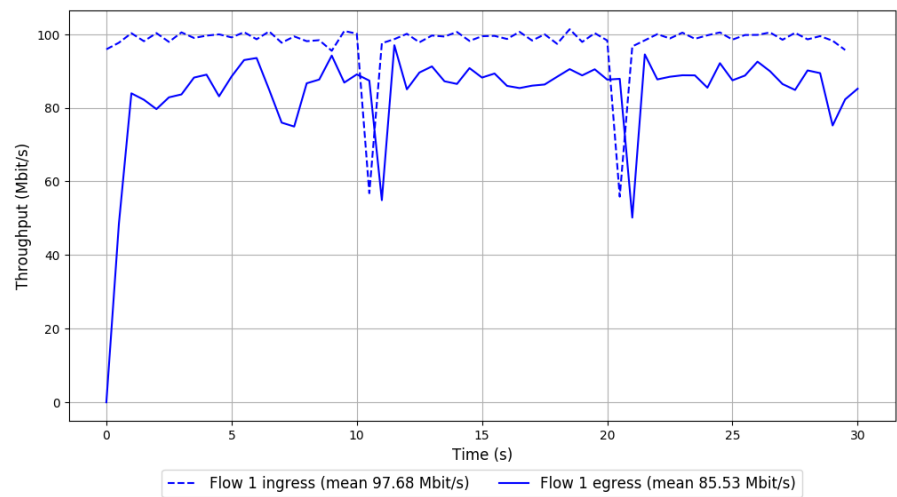


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-24 07:02:46
End at: 2018-07-24 07:03:16
Local clock offset: 0.339 ms
Remote clock offset: -9.242 ms

Below is generated by plot.py at 2018-07-24 10:09:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 18.876 ms
Loss rate: 12.43%
-- Flow 1:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 18.876 ms
Loss rate: 12.43%

Run 2: Report of FillP-Sheep — Data Link

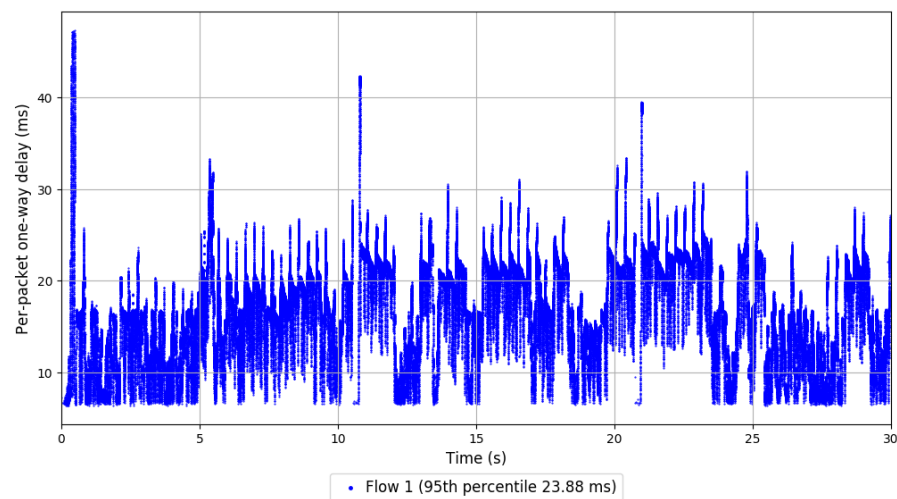
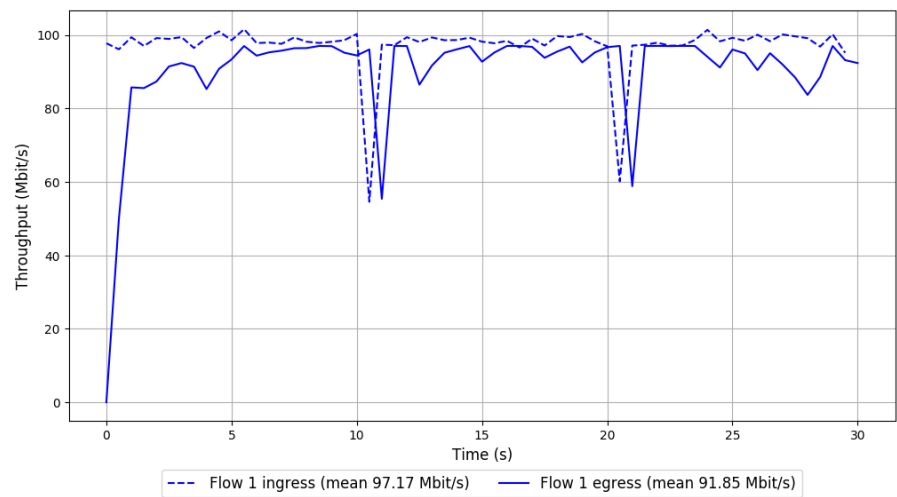


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-24 07:22:37
End at: 2018-07-24 07:23:07
Local clock offset: 1.753 ms
Remote clock offset: -9.865 ms

Below is generated by plot.py at 2018-07-24 10:09:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.85 Mbit/s
95th percentile per-packet one-way delay: 23.878 ms
Loss rate: 5.42%
-- Flow 1:
Average throughput: 91.85 Mbit/s
95th percentile per-packet one-way delay: 23.878 ms
Loss rate: 5.42%

Run 3: Report of FillP-Sheep — Data Link

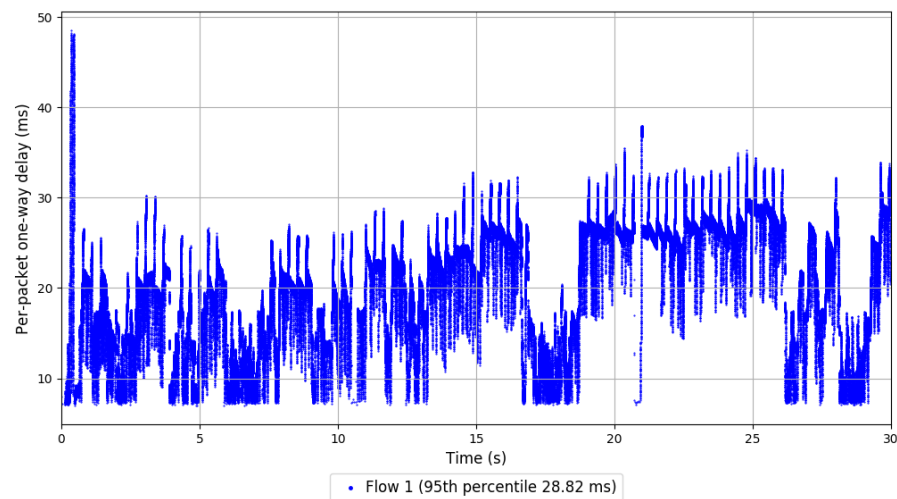
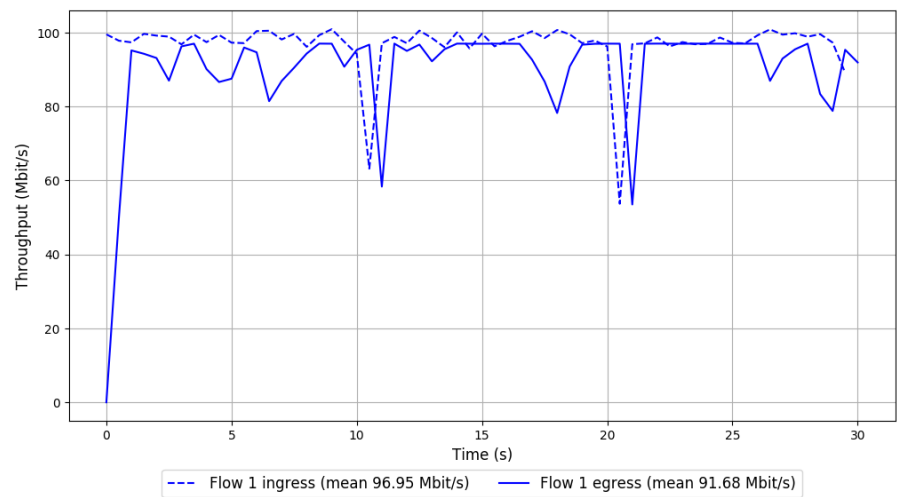


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-24 07:42:25
End at: 2018-07-24 07:42:55
Local clock offset: 0.394 ms
Remote clock offset: -15.57 ms

Below is generated by plot.py at 2018-07-24 10:09:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 28.822 ms
Loss rate: 5.37%
-- Flow 1:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 28.822 ms
Loss rate: 5.37%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-24 08:02:54

End at: 2018-07-24 08:03:24

Local clock offset: 3.209 ms

Remote clock offset: -7.693 ms

Below is generated by plot.py at 2018-07-24 10:10:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 24.234 ms

Loss rate: 8.16%

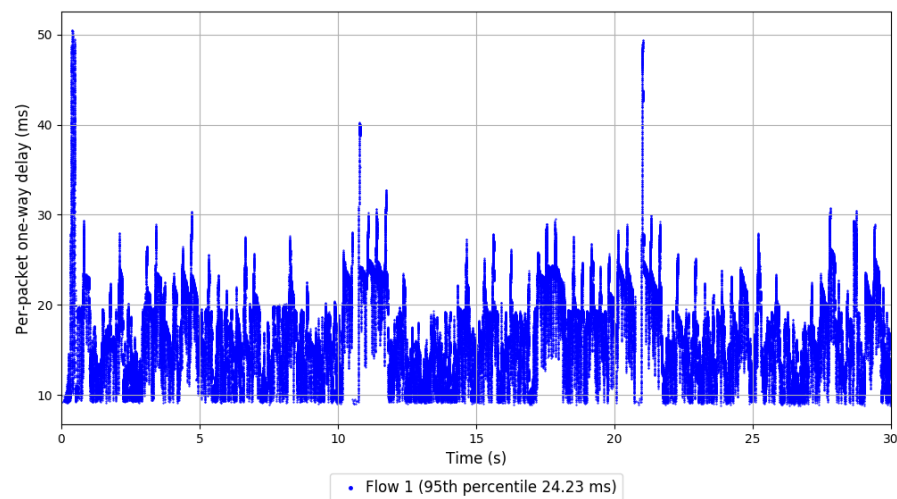
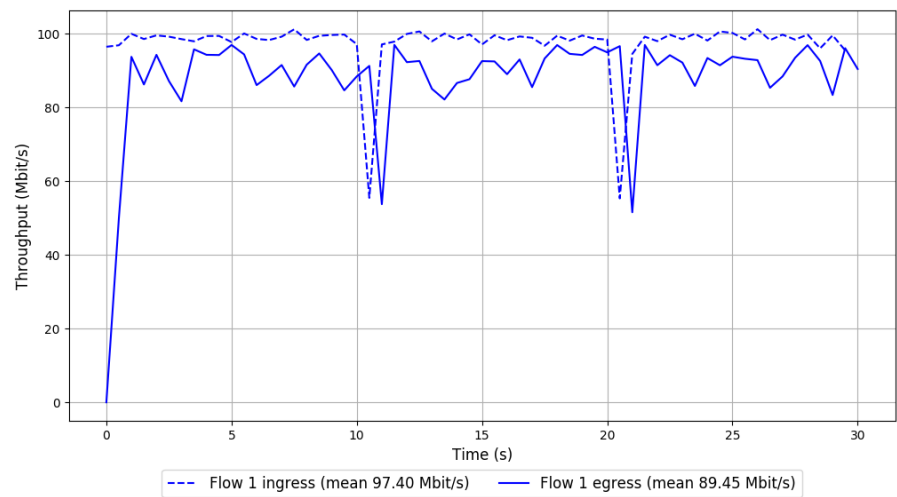
-- Flow 1:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 24.234 ms

Loss rate: 8.16%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-24 08:23:02

End at: 2018-07-24 08:23:32

Local clock offset: 4.099 ms

Remote clock offset: -5.131 ms

Below is generated by plot.py at 2018-07-24 10:10:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 24.145 ms

Loss rate: 5.96%

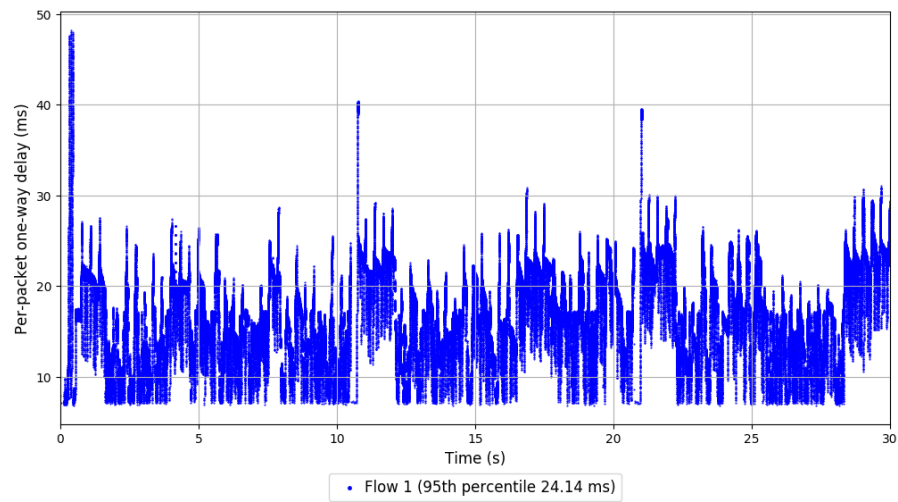
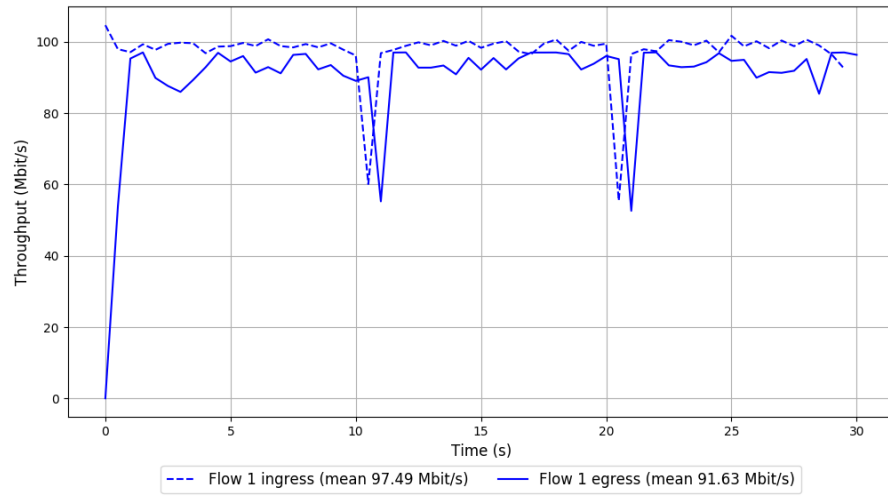
-- Flow 1:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 24.145 ms

Loss rate: 5.96%

Run 6: Report of FillP-Sheep — Data Link

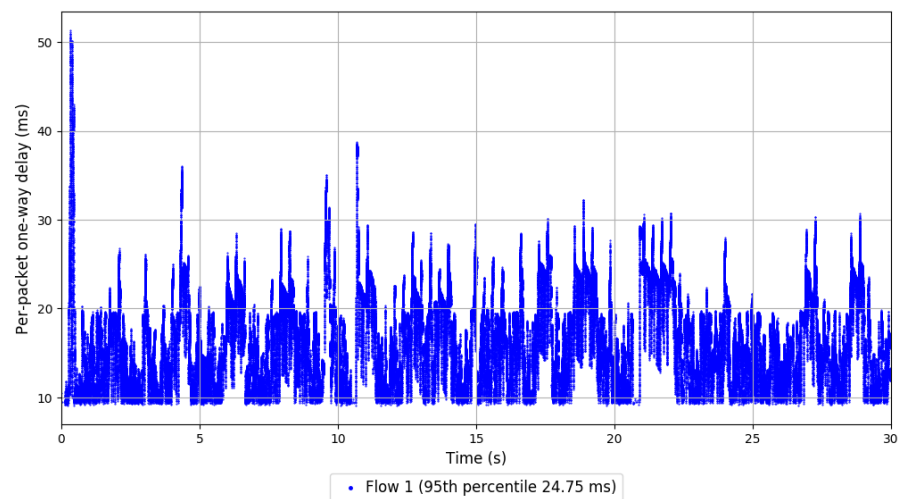
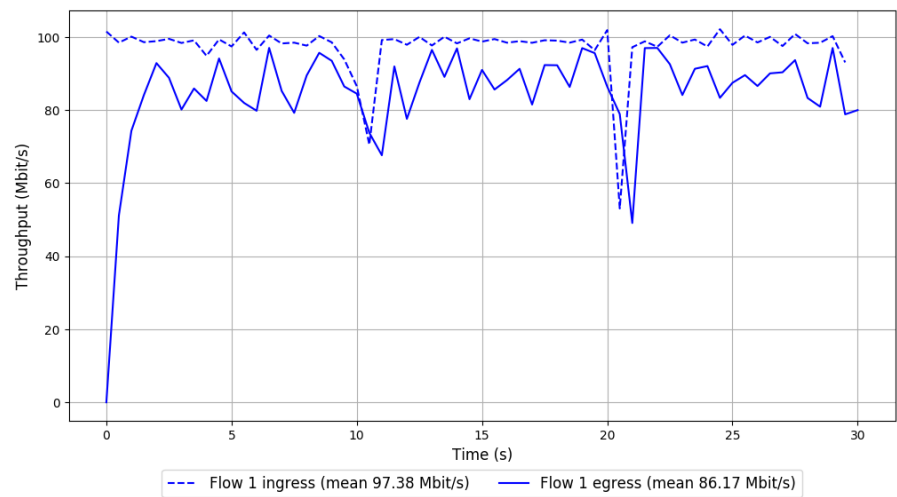


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-24 08:43:00
End at: 2018-07-24 08:43:30
Local clock offset: 0.313 ms
Remote clock offset: -6.902 ms

Below is generated by plot.py at 2018-07-24 10:10:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.17 Mbit/s
95th percentile per-packet one-way delay: 24.753 ms
Loss rate: 11.50%
-- Flow 1:
Average throughput: 86.17 Mbit/s
95th percentile per-packet one-way delay: 24.753 ms
Loss rate: 11.50%

Run 7: Report of FillP-Sheep — Data Link

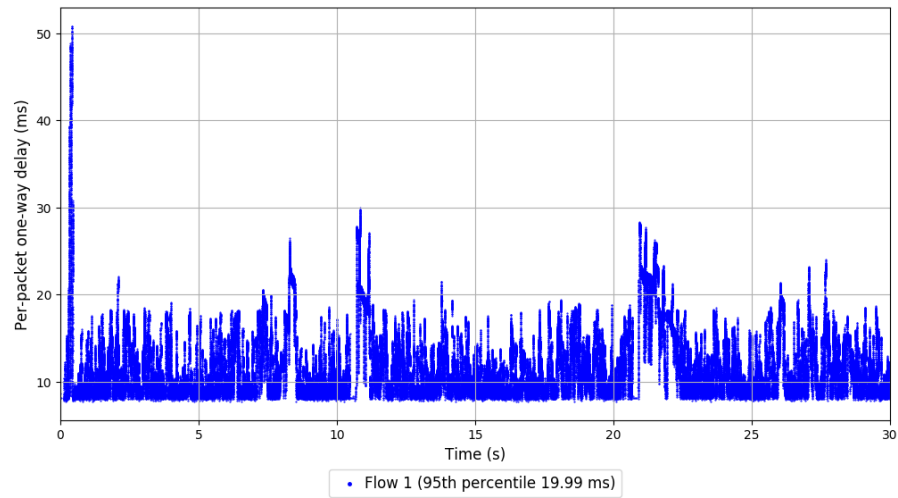
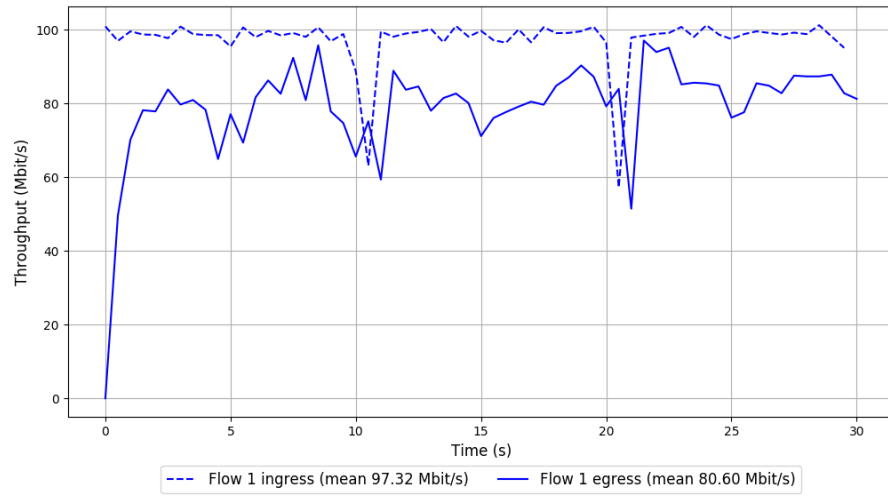


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-24 09:02:47
End at: 2018-07-24 09:03:17
Local clock offset: 0.348 ms
Remote clock offset: -8.588 ms

Below is generated by plot.py at 2018-07-24 10:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.60 Mbit/s
95th percentile per-packet one-way delay: 19.990 ms
Loss rate: 17.17%
-- Flow 1:
Average throughput: 80.60 Mbit/s
95th percentile per-packet one-way delay: 19.990 ms
Loss rate: 17.17%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-24 09:22:26

End at: 2018-07-24 09:22:56

Local clock offset: 0.959 ms

Remote clock offset: -7.03 ms

Below is generated by plot.py at 2018-07-24 10:10:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.26 Mbit/s

95th percentile per-packet one-way delay: 35.833 ms

Loss rate: 4.69%

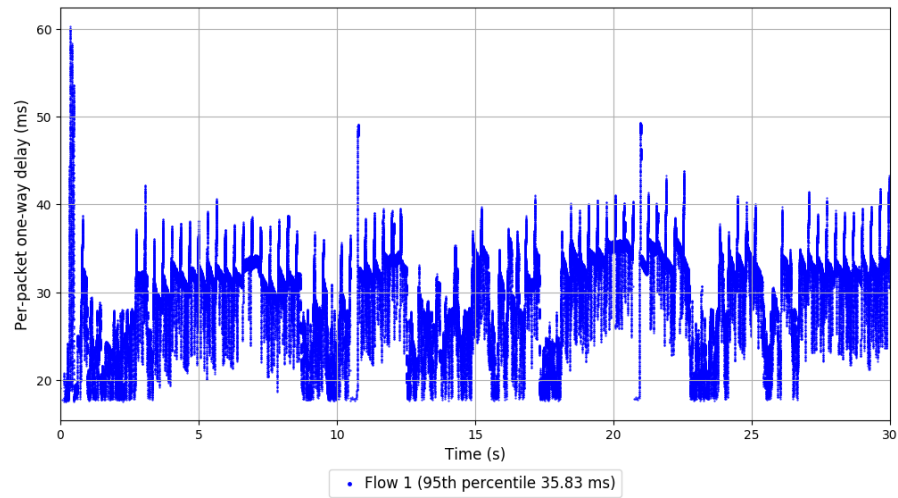
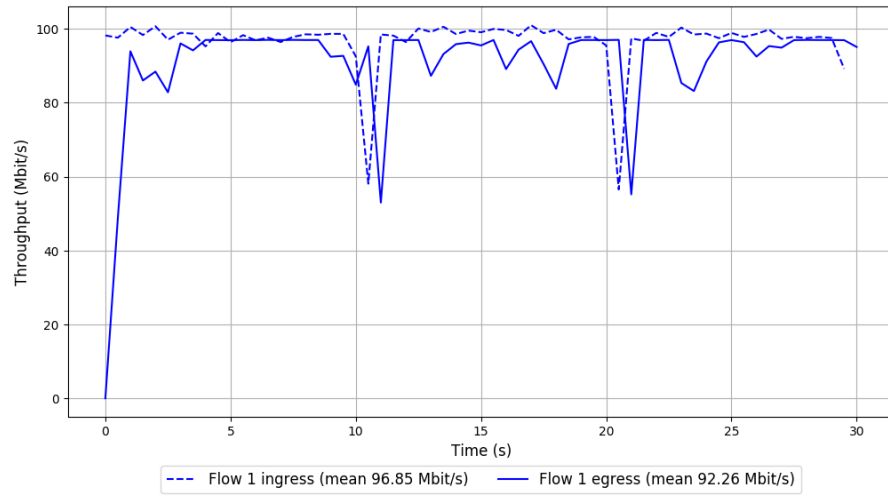
-- Flow 1:

Average throughput: 92.26 Mbit/s

95th percentile per-packet one-way delay: 35.833 ms

Loss rate: 4.69%

Run 9: Report of FillP-Sheep — Data Link

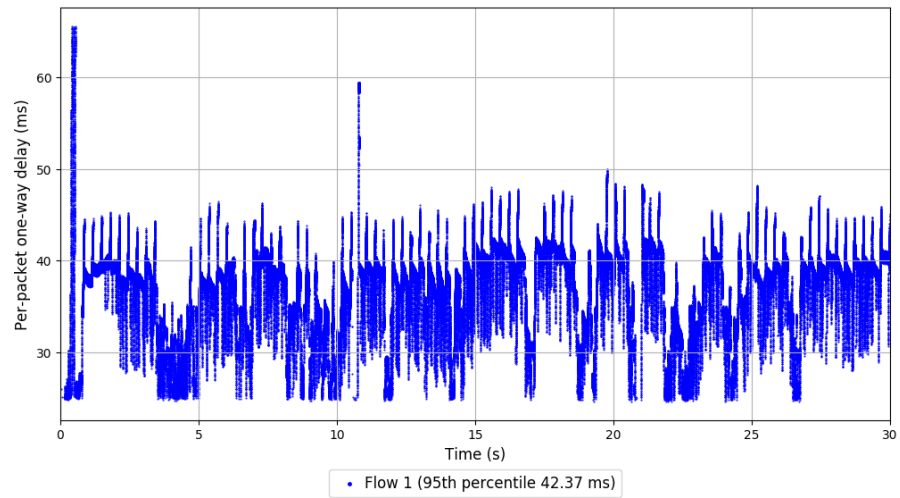
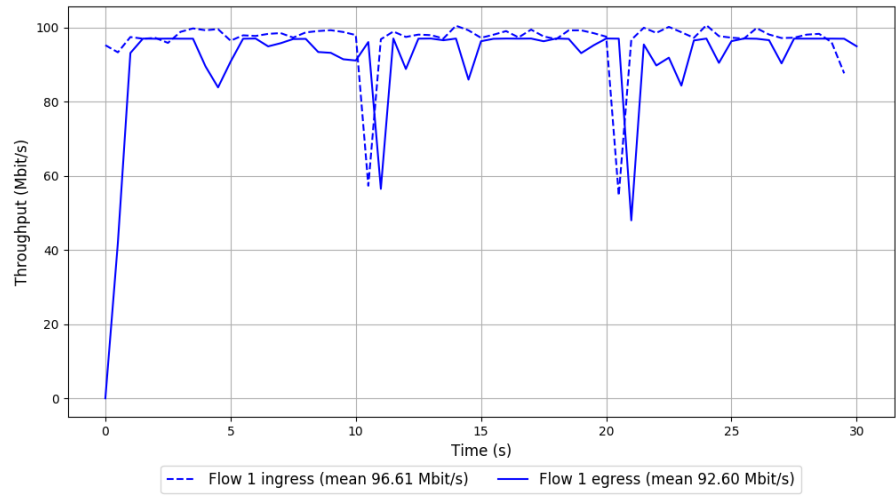


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-24 09:42:32
End at: 2018-07-24 09:43:02
Local clock offset: 1.005 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-24 10:10:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 42.367 ms
Loss rate: 4.08%
-- Flow 1:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 42.367 ms
Loss rate: 4.08%

Run 10: Report of FillP-Sheep — Data Link

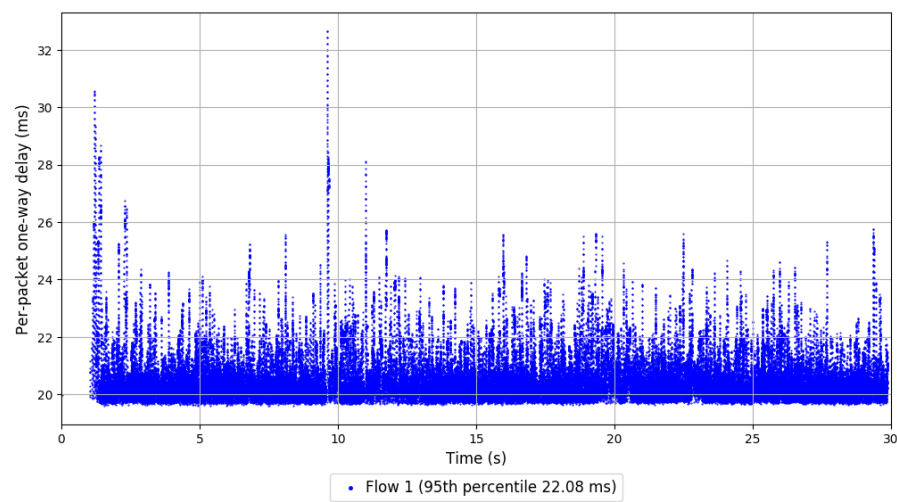
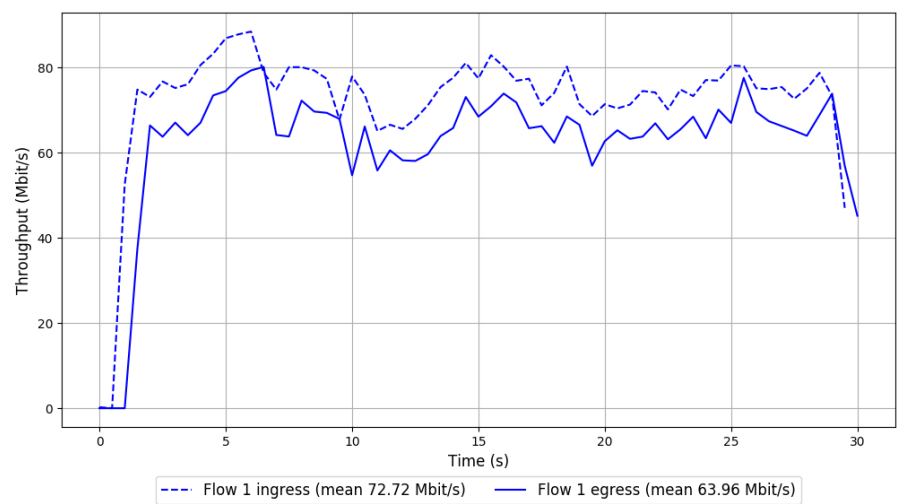


```
Run 1: Statistics of Indigo

Start at: 2018-07-24 06:52:20
End at: 2018-07-24 06:52:50
Local clock offset: 1.042 ms
Remote clock offset: 4.076 ms

# Below is generated by plot.py at 2018-07-24 10:10:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 22.077 ms
Loss rate: 12.05%
-- Flow 1:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 22.077 ms
Loss rate: 12.05%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-24 07:12:10

End at: 2018-07-24 07:12:40

Local clock offset: 1.468 ms

Remote clock offset: 2.463 ms

Below is generated by plot.py at 2018-07-24 10:10:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.36 Mbit/s

95th percentile per-packet one-way delay: 20.639 ms

Loss rate: 11.25%

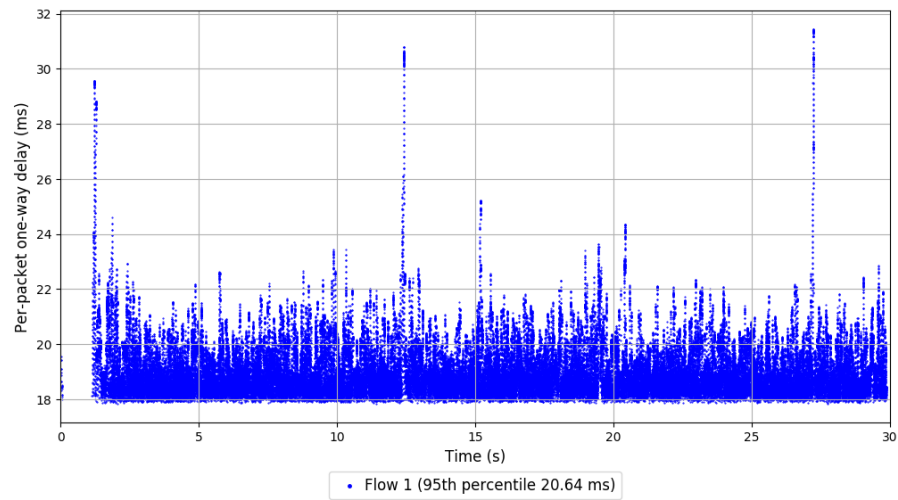
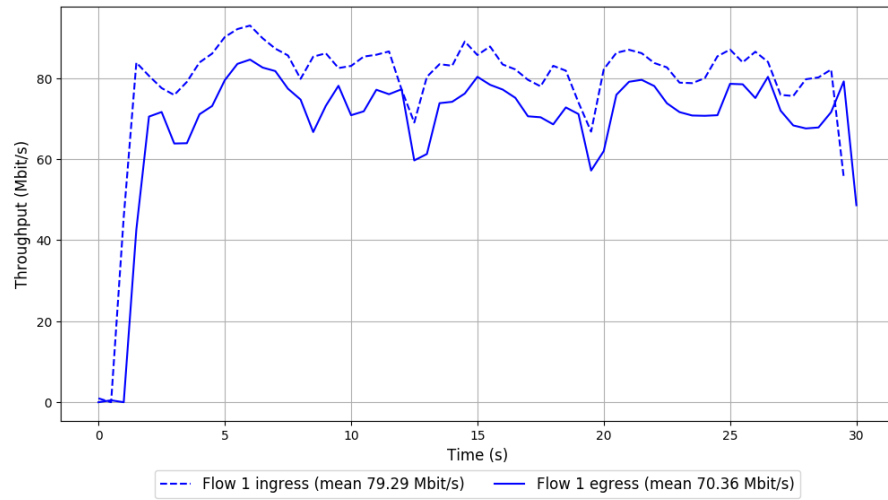
-- Flow 1:

Average throughput: 70.36 Mbit/s

95th percentile per-packet one-way delay: 20.639 ms

Loss rate: 11.25%

Run 2: Report of Indigo — Data Link

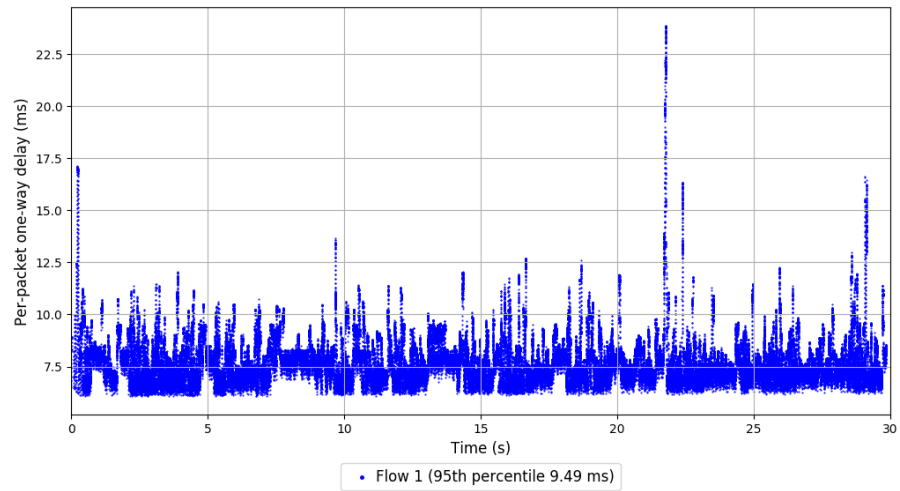
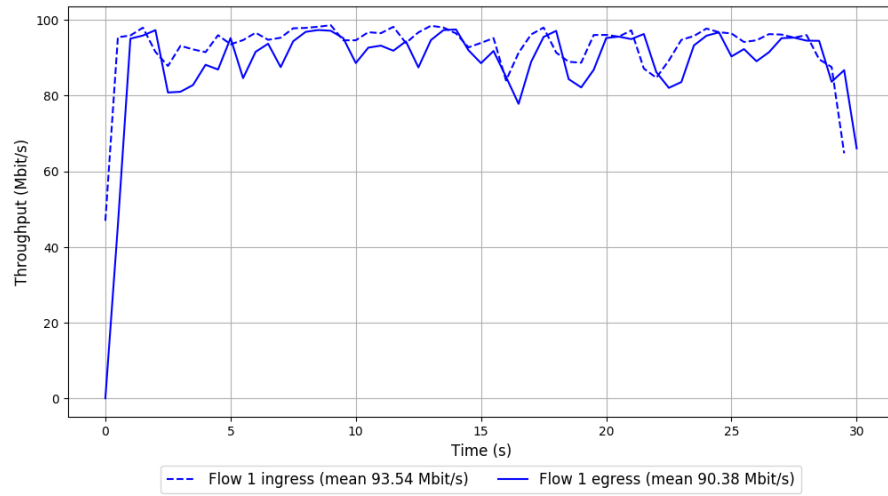


Run 3: Statistics of Indigo

Start at: 2018-07-24 07:31:59
End at: 2018-07-24 07:32:29
Local clock offset: 1.824 ms
Remote clock offset: -12.381 ms

Below is generated by plot.py at 2018-07-24 10:11:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 9.489 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 9.489 ms
Loss rate: 3.38%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-24 07:51:57

End at: 2018-07-24 07:52:27

Local clock offset: 1.238 ms

Remote clock offset: -14.205 ms

Below is generated by plot.py at 2018-07-24 10:11:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.01 Mbit/s

95th percentile per-packet one-way delay: 11.590 ms

Loss rate: 3.33%

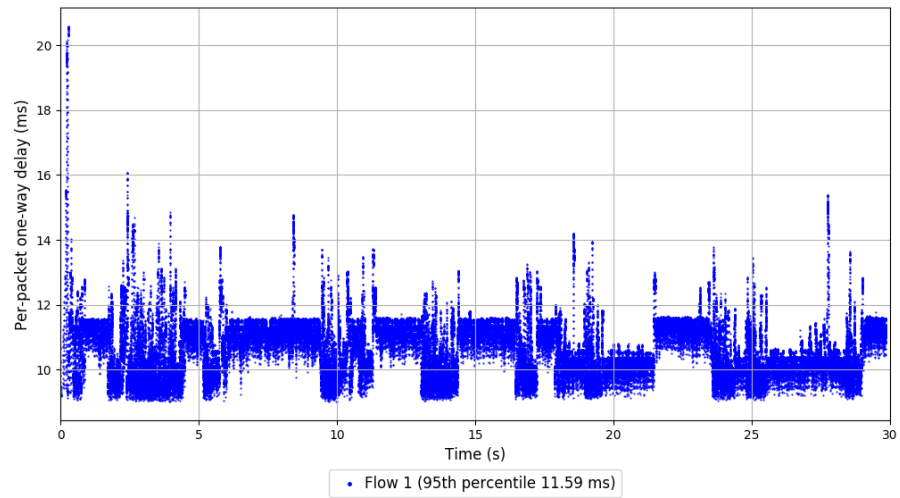
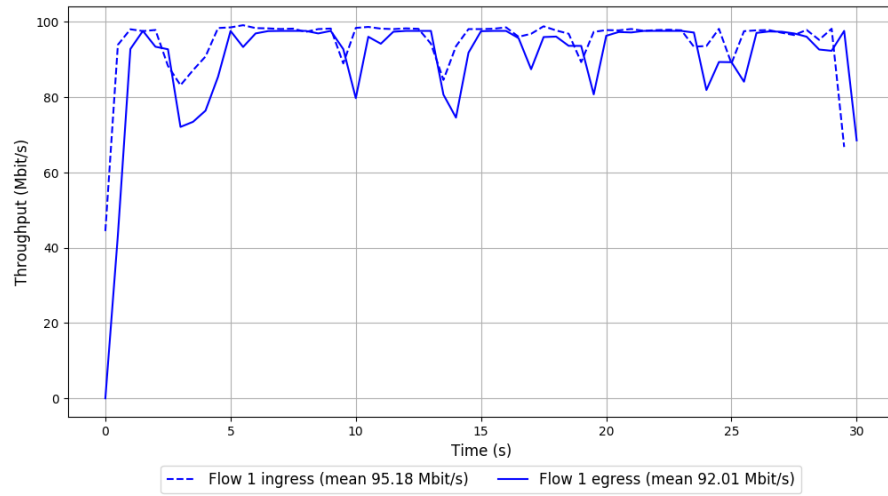
-- Flow 1:

Average throughput: 92.01 Mbit/s

95th percentile per-packet one-way delay: 11.590 ms

Loss rate: 3.33%

Run 4: Report of Indigo — Data Link

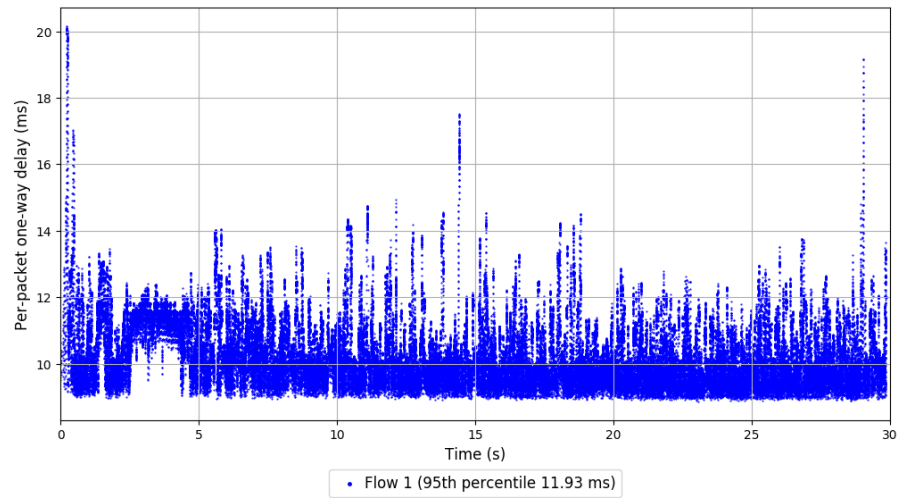
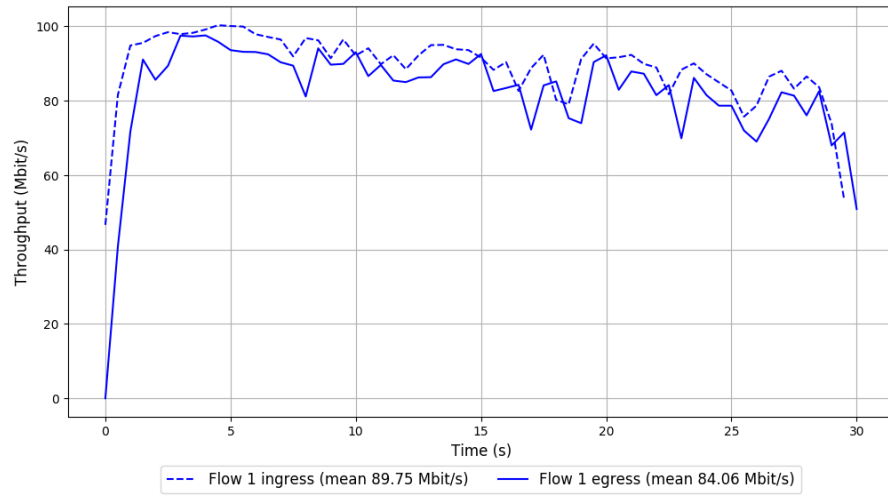


Run 5: Statistics of Indigo

Start at: 2018-07-24 08:12:35
End at: 2018-07-24 08:13:05
Local clock offset: 1.021 ms
Remote clock offset: -6.638 ms

Below is generated by plot.py at 2018-07-24 10:11:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.06 Mbit/s
95th percentile per-packet one-way delay: 11.929 ms
Loss rate: 6.32%
-- Flow 1:
Average throughput: 84.06 Mbit/s
95th percentile per-packet one-way delay: 11.929 ms
Loss rate: 6.32%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-24 08:32:33

End at: 2018-07-24 08:33:03

Local clock offset: 0.785 ms

Remote clock offset: -4.276 ms

Below is generated by plot.py at 2018-07-24 10:11:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.77 Mbit/s

95th percentile per-packet one-way delay: 13.992 ms

Loss rate: 8.13%

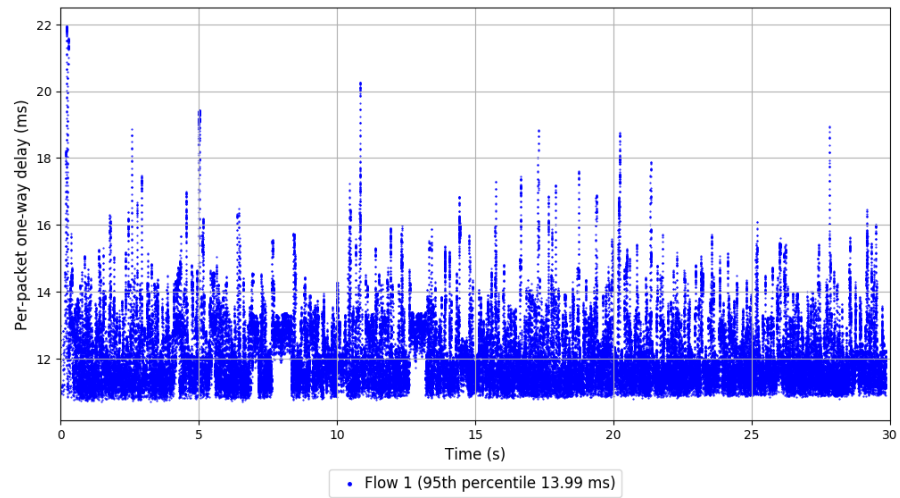
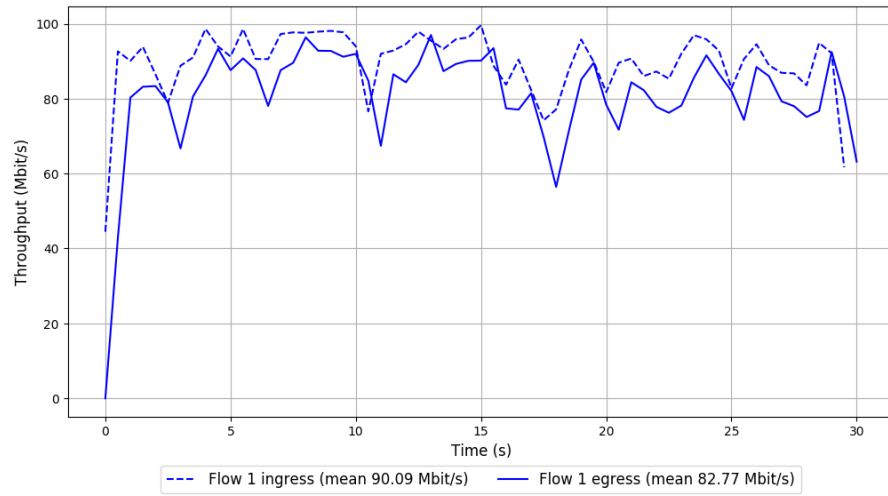
-- Flow 1:

Average throughput: 82.77 Mbit/s

95th percentile per-packet one-way delay: 13.992 ms

Loss rate: 8.13%

Run 6: Report of Indigo — Data Link

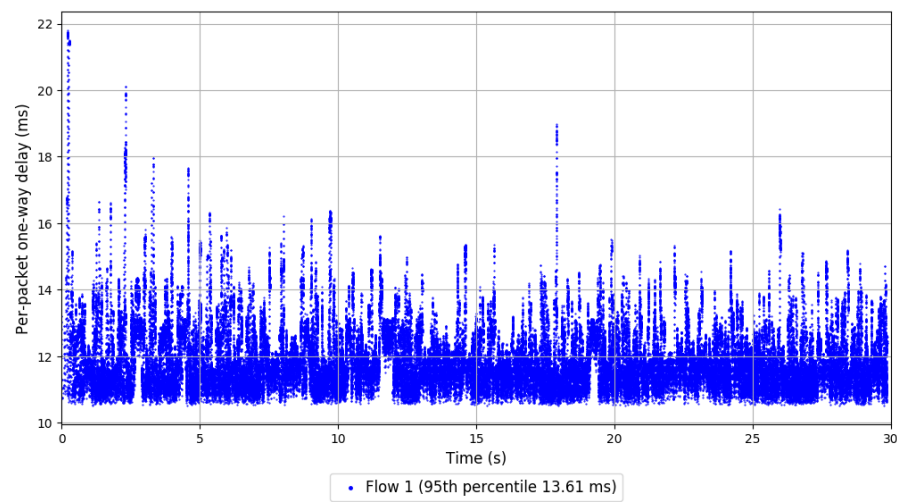
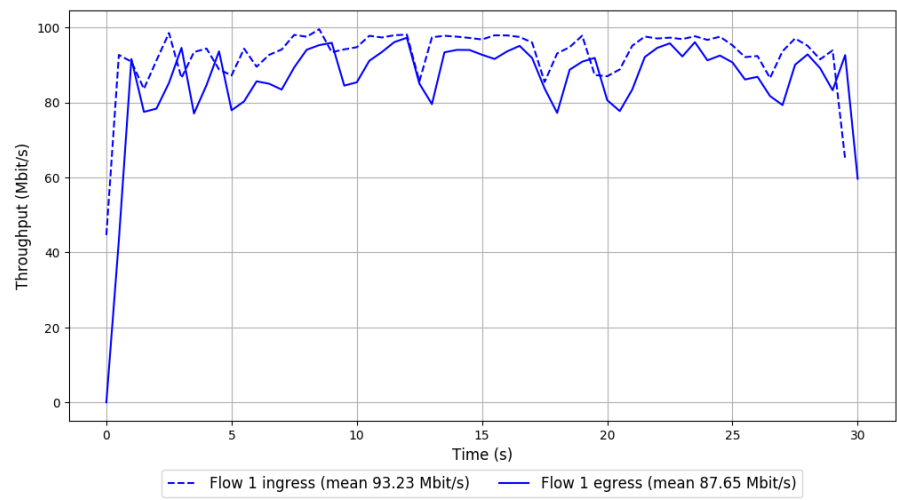


Run 7: Statistics of Indigo

Start at: 2018-07-24 08:52:24
End at: 2018-07-24 08:52:54
Local clock offset: -1.056 ms
Remote clock offset: -8.236 ms

Below is generated by plot.py at 2018-07-24 10:11:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 13.611 ms
Loss rate: 5.98%
-- Flow 1:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 13.611 ms
Loss rate: 5.98%

Run 7: Report of Indigo — Data Link

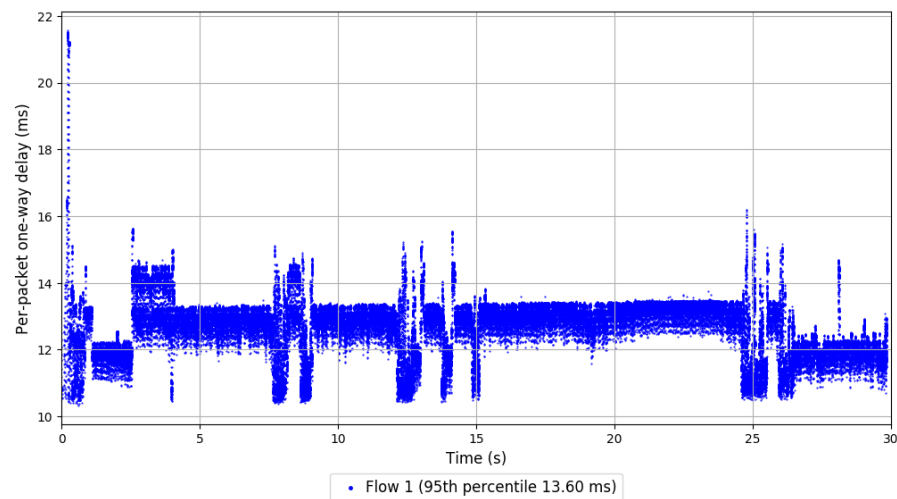
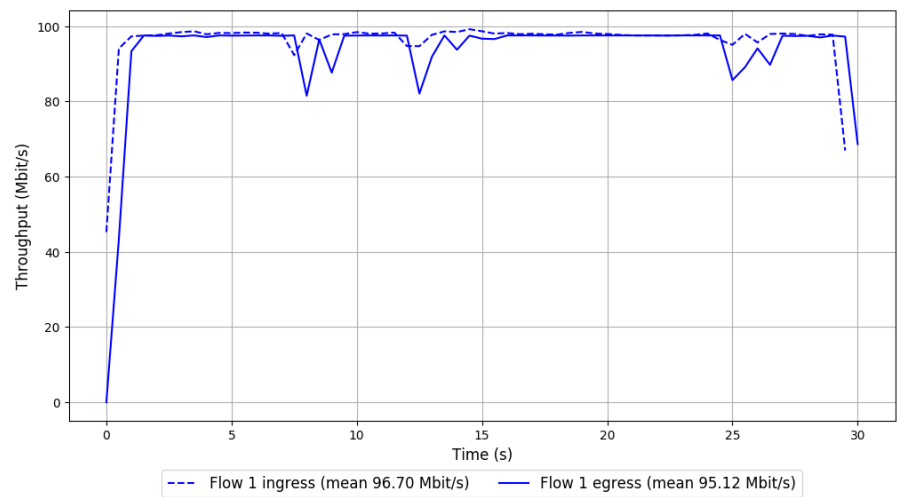


Run 8: Statistics of Indigo

Start at: 2018-07-24 09:12:07
End at: 2018-07-24 09:12:37
Local clock offset: -0.269 ms
Remote clock offset: -12.351 ms

Below is generated by plot.py at 2018-07-24 10:11:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.12 Mbit/s
95th percentile per-packet one-way delay: 13.601 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 95.12 Mbit/s
95th percentile per-packet one-way delay: 13.601 ms
Loss rate: 1.63%

Run 8: Report of Indigo — Data Link

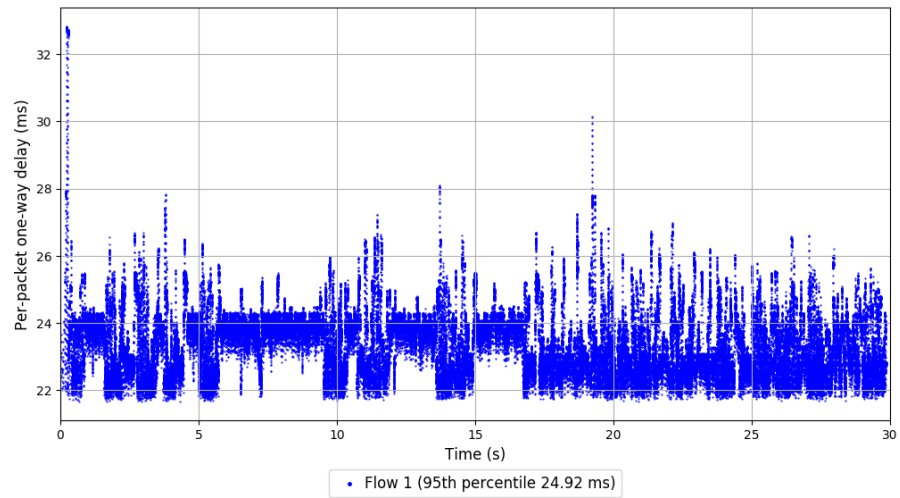
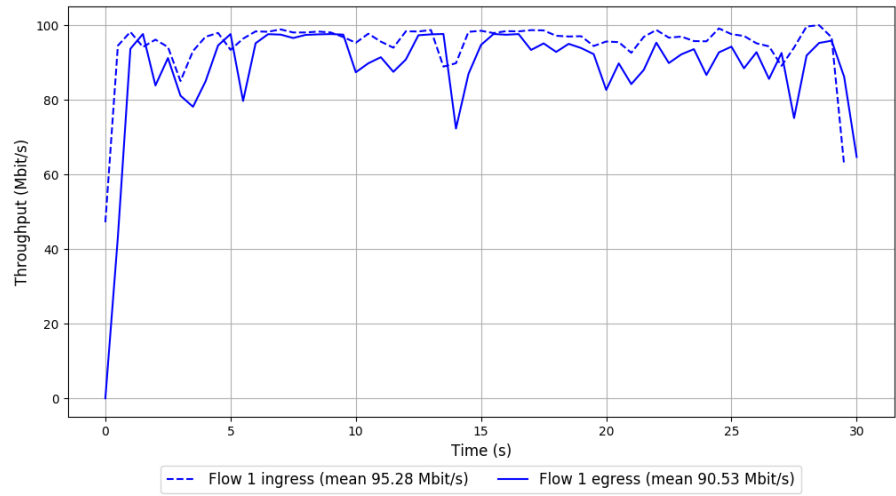


Run 9: Statistics of Indigo

Start at: 2018-07-24 09:32:01
End at: 2018-07-24 09:32:31
Local clock offset: 1.436 ms
Remote clock offset: -3.205 ms

Below is generated by plot.py at 2018-07-24 10:12:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 24.922 ms
Loss rate: 4.98%
-- Flow 1:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 24.922 ms
Loss rate: 4.98%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-24 09:51:55

End at: 2018-07-24 09:52:25

Local clock offset: -0.535 ms

Remote clock offset: 3.326 ms

Below is generated by plot.py at 2018-07-24 10:12:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.15 Mbit/s

95th percentile per-packet one-way delay: 29.203 ms

Loss rate: 0.04%

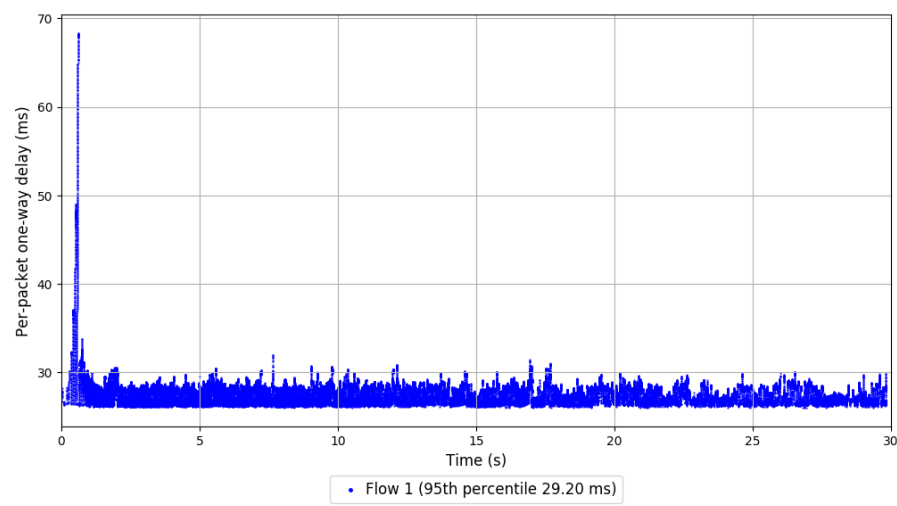
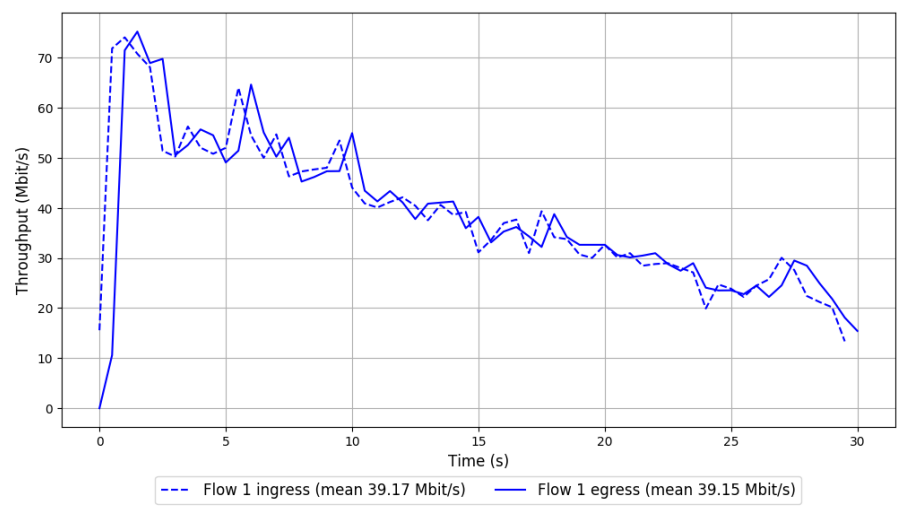
-- Flow 1:

Average throughput: 39.15 Mbit/s

95th percentile per-packet one-way delay: 29.203 ms

Loss rate: 0.04%

Run 10: Report of Indigo — Data Link

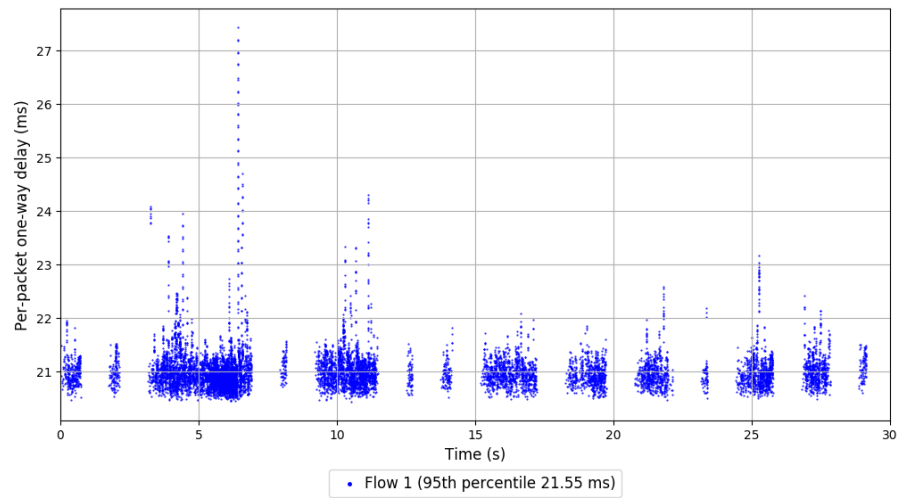
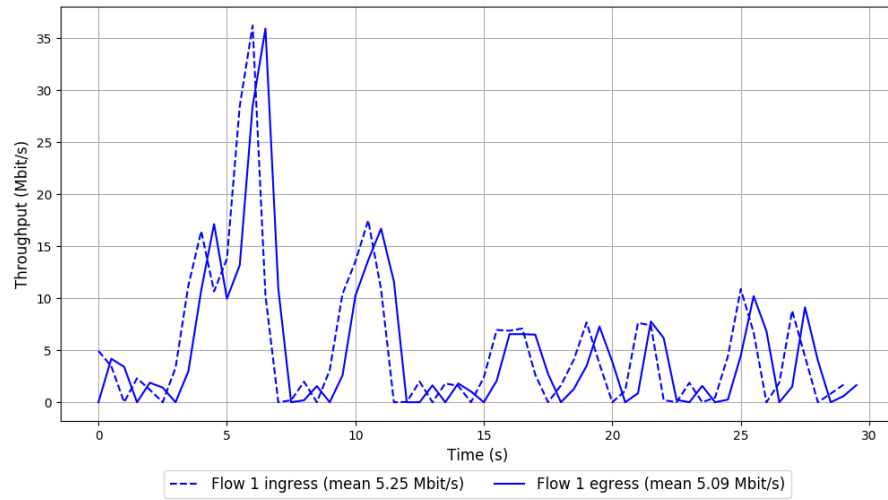


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-24 06:53:38
End at: 2018-07-24 06:54:08
Local clock offset: -3.141 ms
Remote clock offset: 0.661 ms

# Below is generated by plot.py at 2018-07-24 10:12:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 21.545 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 21.545 ms
Loss rate: 3.19%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-24 07:13:20

End at: 2018-07-24 07:13:50

Local clock offset: 0.213 ms

Remote clock offset: 3.186 ms

Below is generated by plot.py at 2018-07-24 10:12:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.69 Mbit/s

95th percentile per-packet one-way delay: 20.991 ms

Loss rate: 5.74%

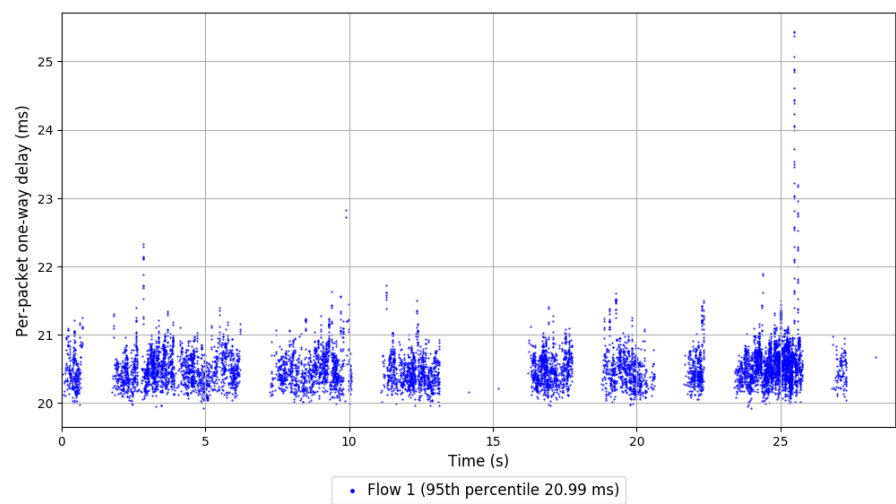
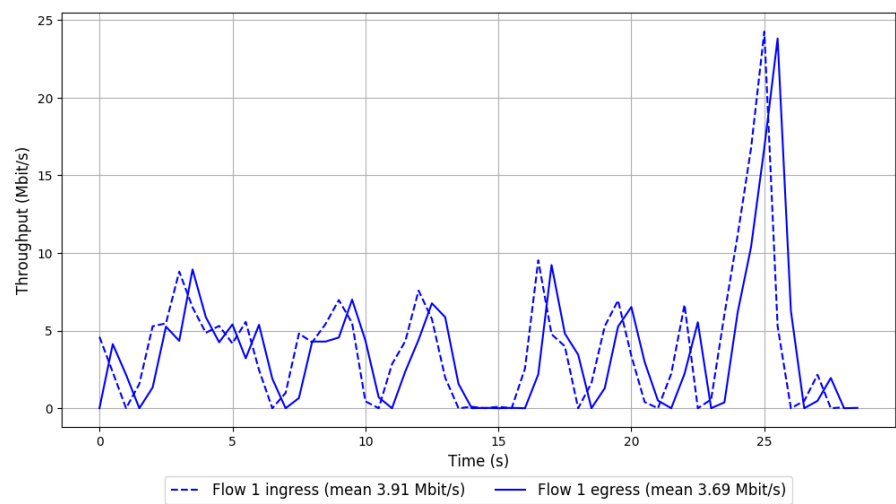
-- Flow 1:

Average throughput: 3.69 Mbit/s

95th percentile per-packet one-way delay: 20.991 ms

Loss rate: 5.74%

Run 2: Report of LEDBAT — Data Link

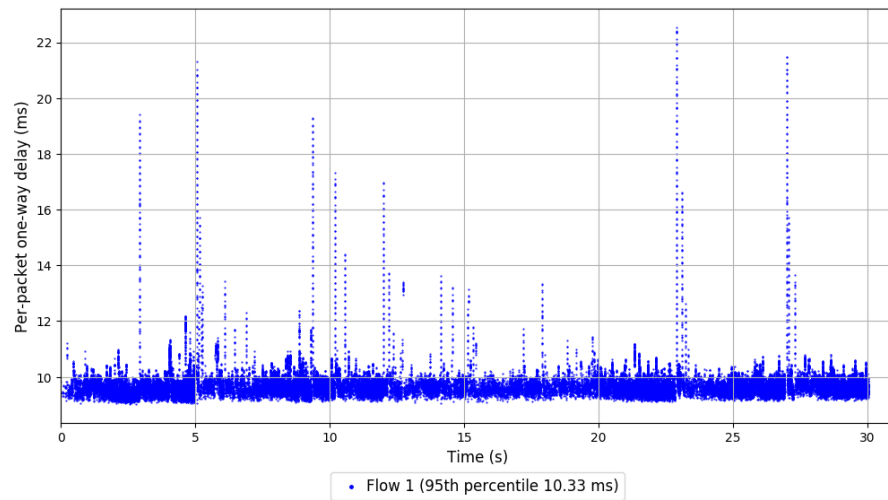
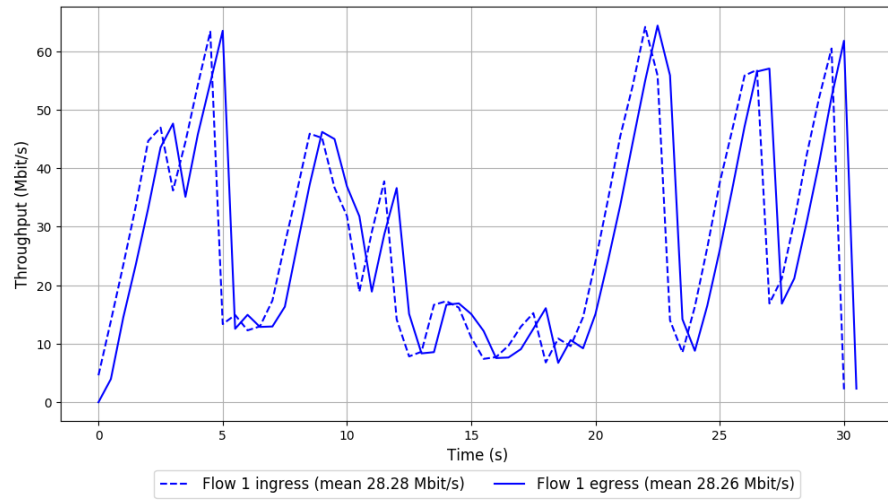


Run 3: Statistics of LEDBAT

Start at: 2018-07-24 07:33:14
End at: 2018-07-24 07:33:44
Local clock offset: -0.423 ms
Remote clock offset: -12.916 ms

Below is generated by plot.py at 2018-07-24 10:12:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.26 Mbit/s
95th percentile per-packet one-way delay: 10.333 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 28.26 Mbit/s
95th percentile per-packet one-way delay: 10.333 ms
Loss rate: 0.08%

Run 3: Report of LEDBAT — Data Link

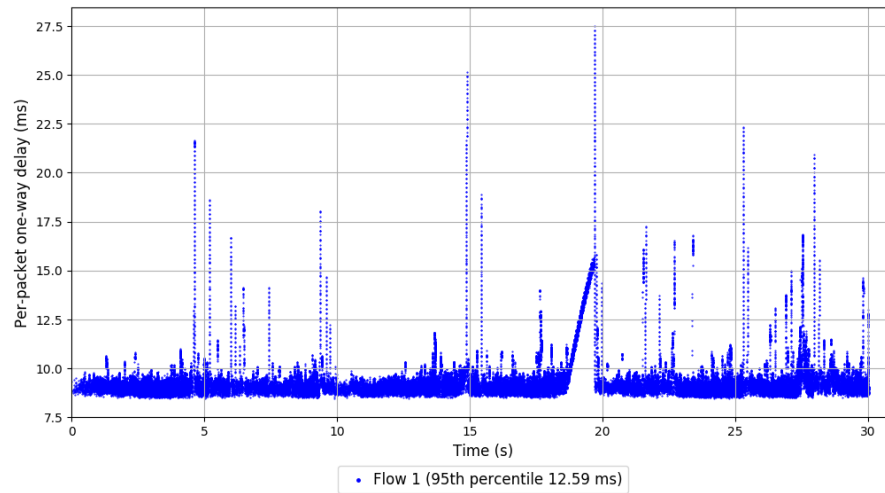
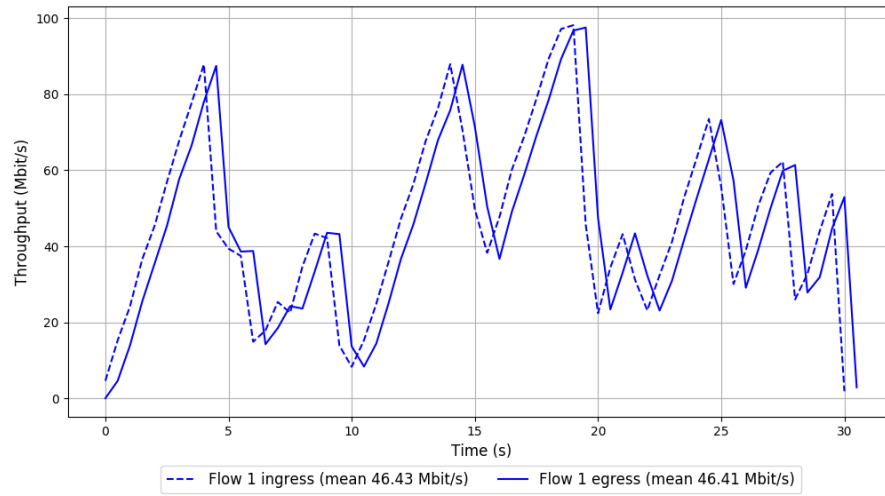


Run 4: Statistics of LEDBAT

Start at: 2018-07-24 07:53:27
End at: 2018-07-24 07:53:57
Local clock offset: 0.552 ms
Remote clock offset: -14.738 ms

Below is generated by plot.py at 2018-07-24 10:12:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 12.585 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 12.585 ms
Loss rate: 0.02%

Run 4: Report of LEDBAT — Data Link

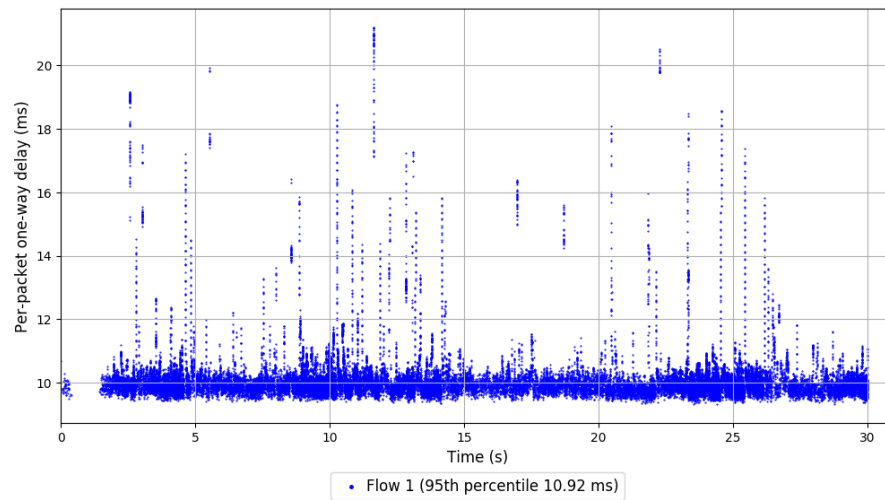
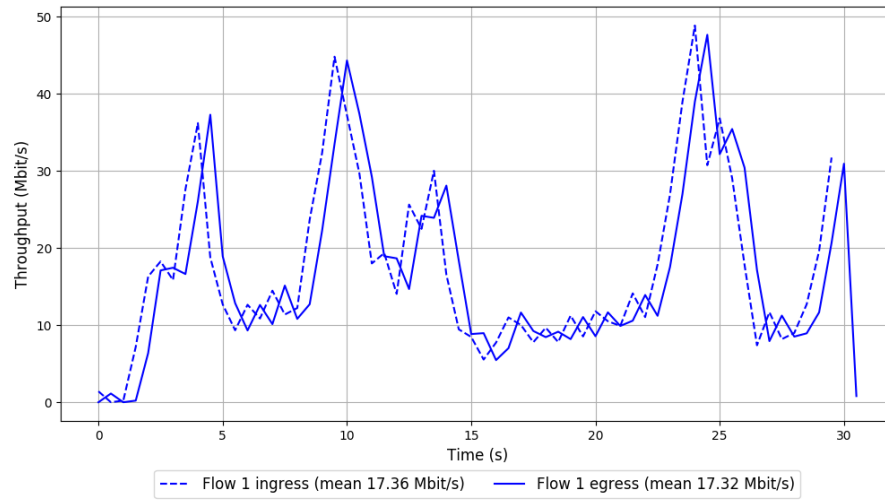


Run 5: Statistics of LEDBAT

Start at: 2018-07-24 08:13:47
End at: 2018-07-24 08:14:17
Local clock offset: 0.454 ms
Remote clock offset: -6.813 ms

Below is generated by plot.py at 2018-07-24 10:12:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.32 Mbit/s
95th percentile per-packet one-way delay: 10.924 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 17.32 Mbit/s
95th percentile per-packet one-way delay: 10.924 ms
Loss rate: 0.20%

Run 5: Report of LEDBAT — Data Link

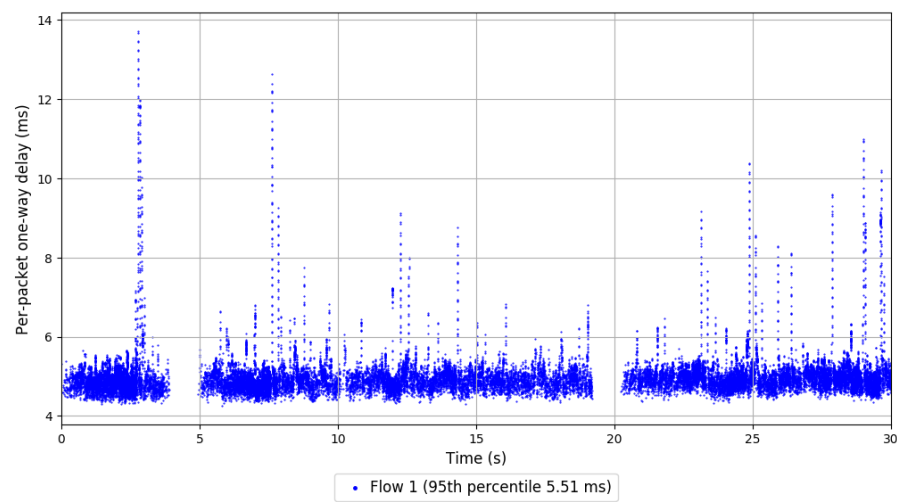
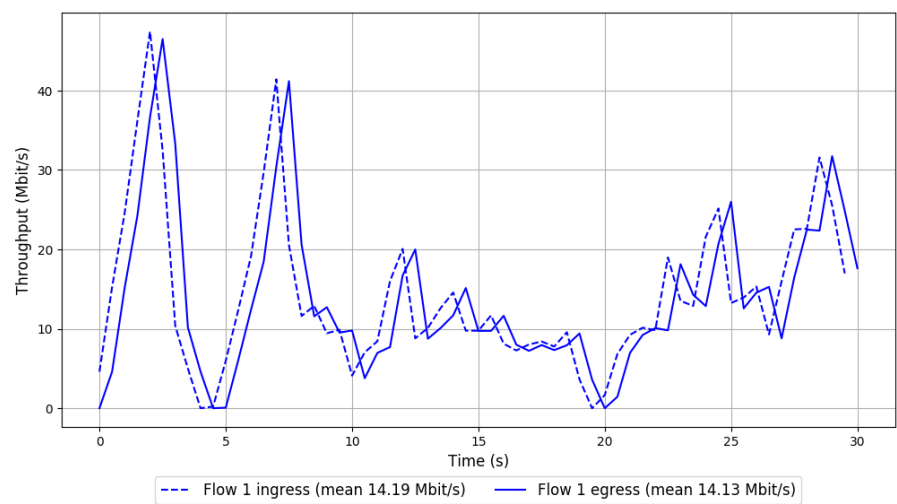


Run 6: Statistics of LEDBAT

Start at: 2018-07-24 08:33:51
End at: 2018-07-24 08:34:21
Local clock offset: 3.658 ms
Remote clock offset: -7.292 ms

Below is generated by plot.py at 2018-07-24 10:12:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.13 Mbit/s
95th percentile per-packet one-way delay: 5.514 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 14.13 Mbit/s
95th percentile per-packet one-way delay: 5.514 ms
Loss rate: 0.47%

Run 6: Report of LEDBAT — Data Link

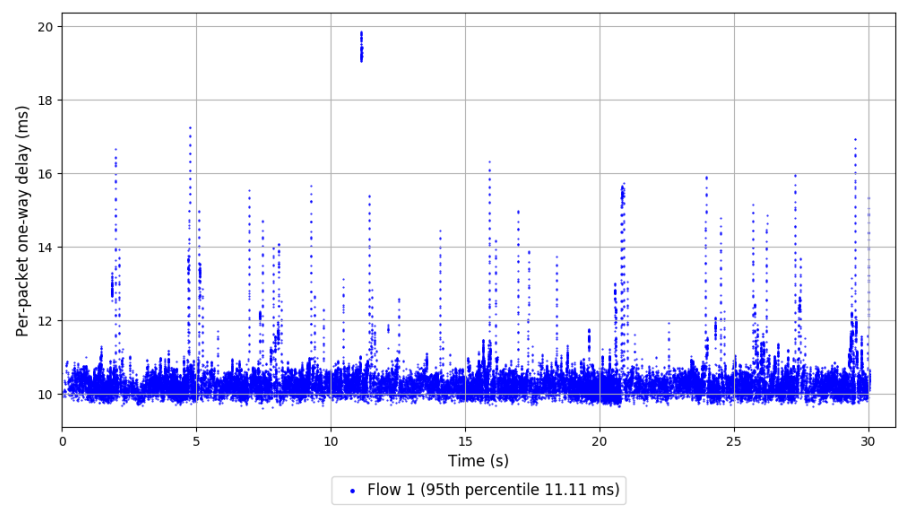
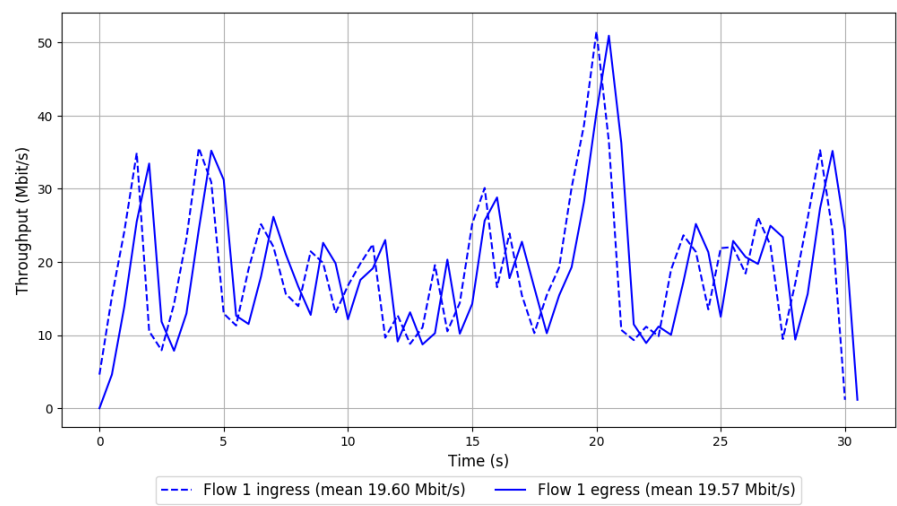


Run 7: Statistics of LEDBAT

Start at: 2018-07-24 08:53:36
End at: 2018-07-24 08:54:06
Local clock offset: -1.123 ms
Remote clock offset: -8.299 ms

Below is generated by plot.py at 2018-07-24 10:12:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.57 Mbit/s
95th percentile per-packet one-way delay: 11.107 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 19.57 Mbit/s
95th percentile per-packet one-way delay: 11.107 ms
Loss rate: 0.15%

Run 7: Report of LEDBAT — Data Link

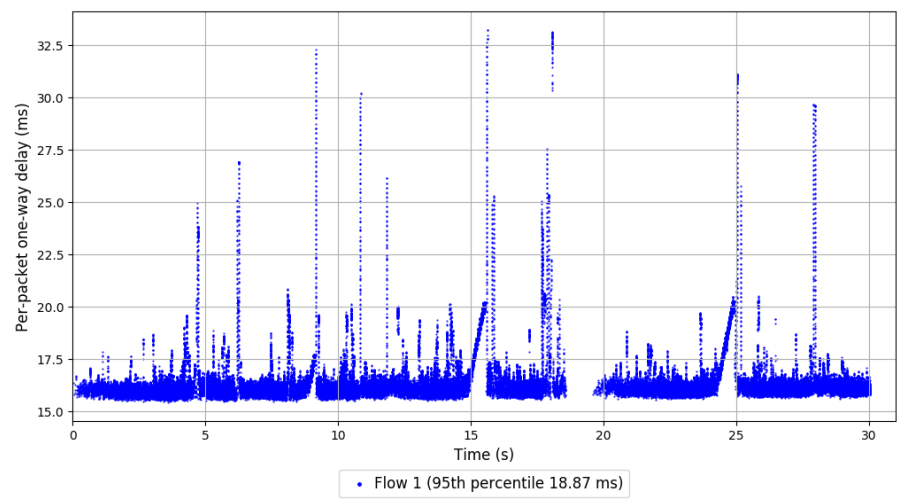
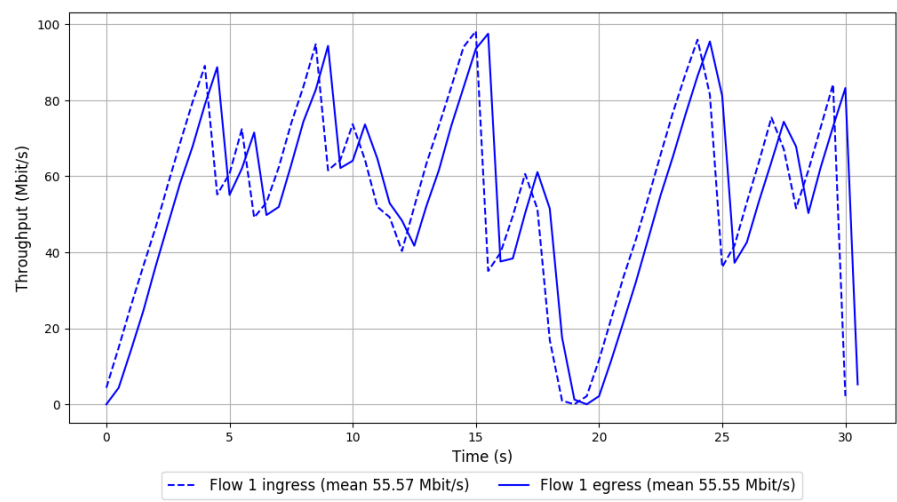


Run 8: Statistics of LEDBAT

Start at: 2018-07-24 09:13:18
End at: 2018-07-24 09:13:48
Local clock offset: -0.295 ms
Remote clock offset: -6.891 ms

Below is generated by plot.py at 2018-07-24 10:12:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.55 Mbit/s
95th percentile per-packet one-way delay: 18.866 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 55.55 Mbit/s
95th percentile per-packet one-way delay: 18.866 ms
Loss rate: 0.03%

Run 8: Report of LEDBAT — Data Link

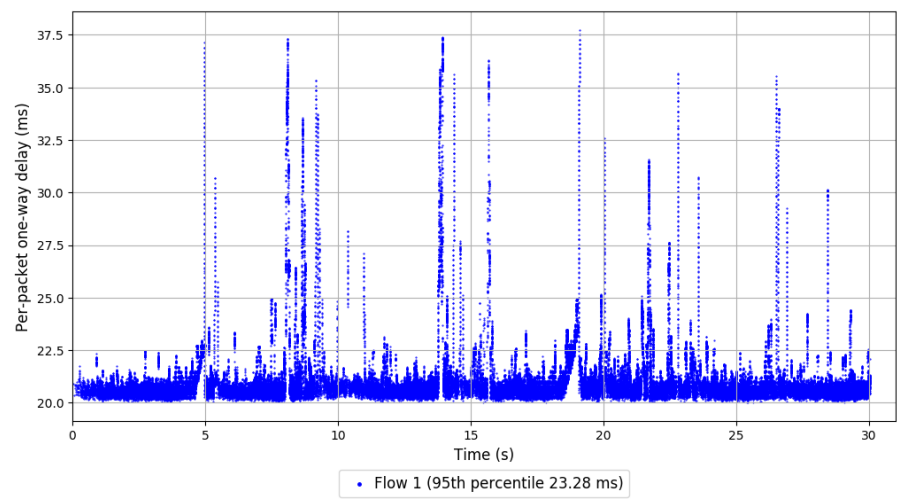
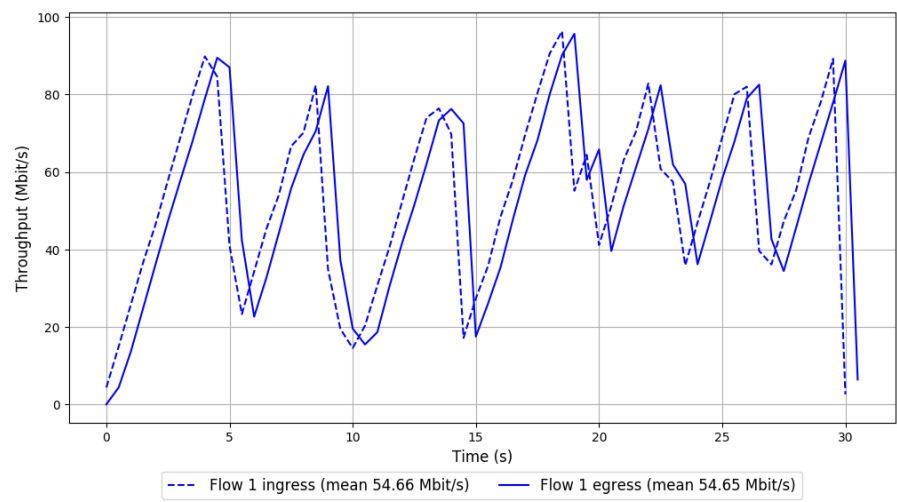


Run 9: Statistics of LEDBAT

Start at: 2018-07-24 09:33:16
End at: 2018-07-24 09:33:46
Local clock offset: 0.881 ms
Remote clock offset: -5.416 ms

Below is generated by plot.py at 2018-07-24 10:12:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.65 Mbit/s
95th percentile per-packet one-way delay: 23.281 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.65 Mbit/s
95th percentile per-packet one-way delay: 23.281 ms
Loss rate: 0.02%

Run 9: Report of LEDBAT — Data Link

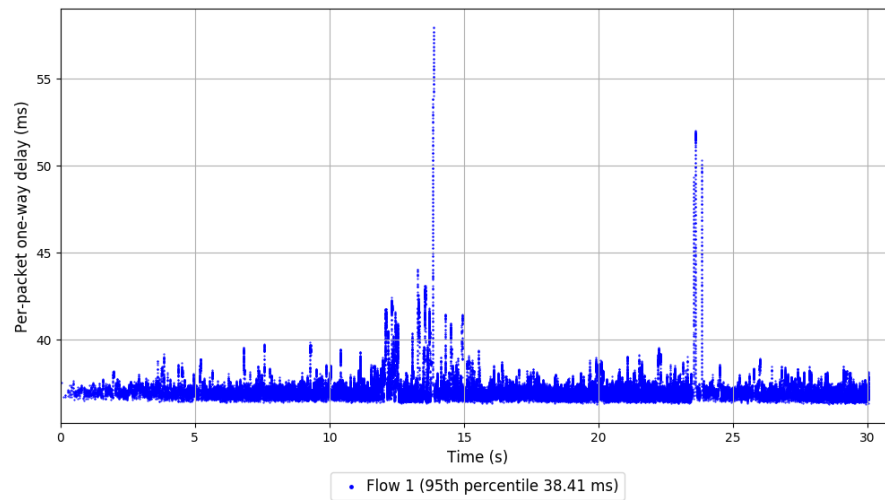
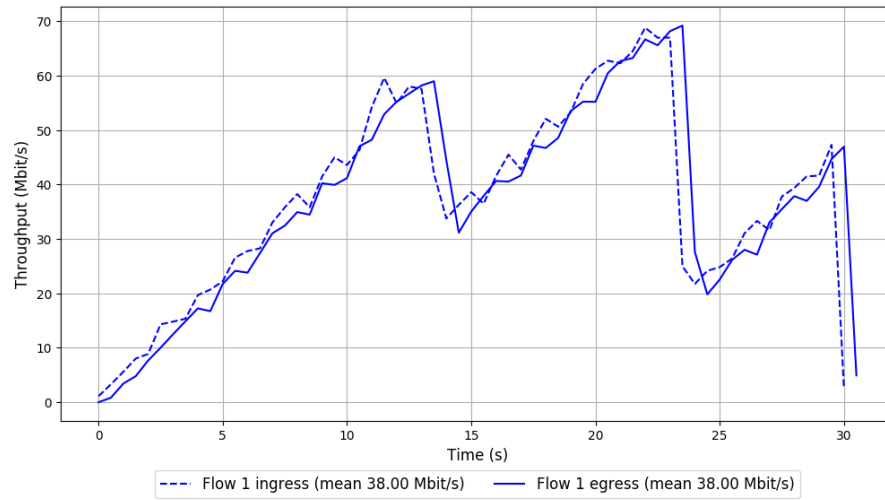


Run 10: Statistics of LEDBAT

Start at: 2018-07-24 09:53:11
End at: 2018-07-24 09:53:41
Local clock offset: 3.387 ms
Remote clock offset: 16.863 ms

Below is generated by plot.py at 2018-07-24 10:12:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 38.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 38.415 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

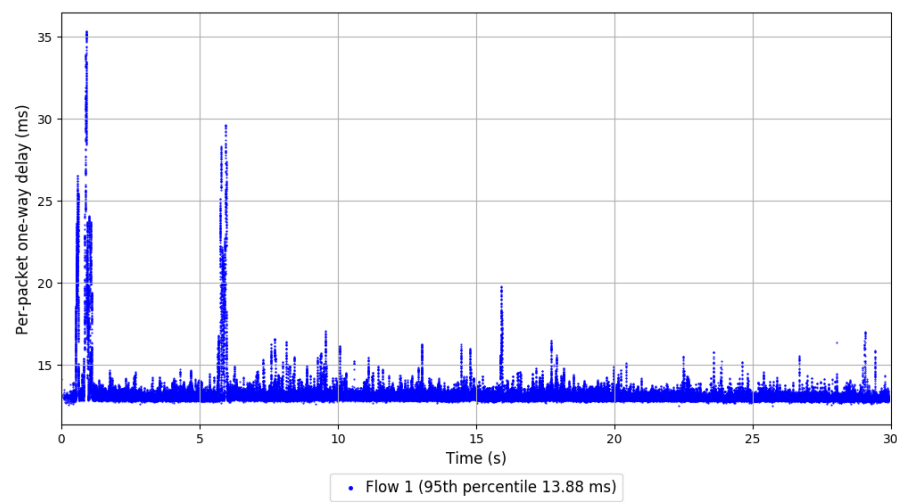
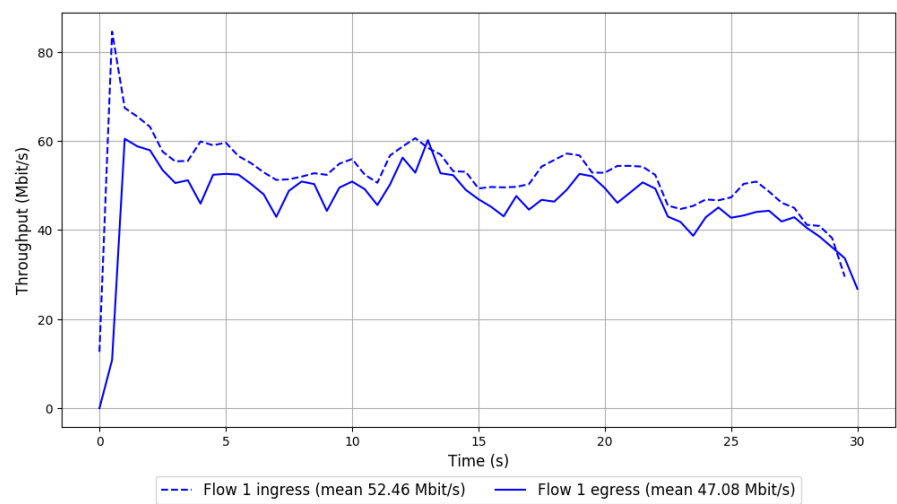


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-24 06:59:18
End at: 2018-07-24 06:59:48
Local clock offset: -1.081 ms
Remote clock offset: -4.296 ms

# Below is generated by plot.py at 2018-07-24 10:12:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.08 Mbit/s
95th percentile per-packet one-way delay: 13.882 ms
Loss rate: 10.25%
-- Flow 1:
Average throughput: 47.08 Mbit/s
95th percentile per-packet one-way delay: 13.882 ms
Loss rate: 10.25%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

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

End at: 2018-07-24 07:19:42

Local clock offset: -2.046 ms

Remote clock offset: -10.939 ms

Below is generated by plot.py at 2018-07-24 10:12:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 9.904 ms

Loss rate: 5.46%

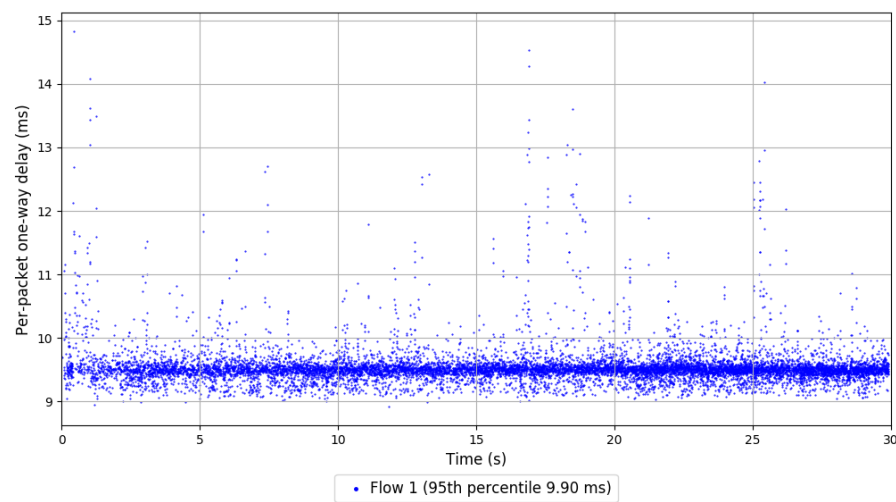
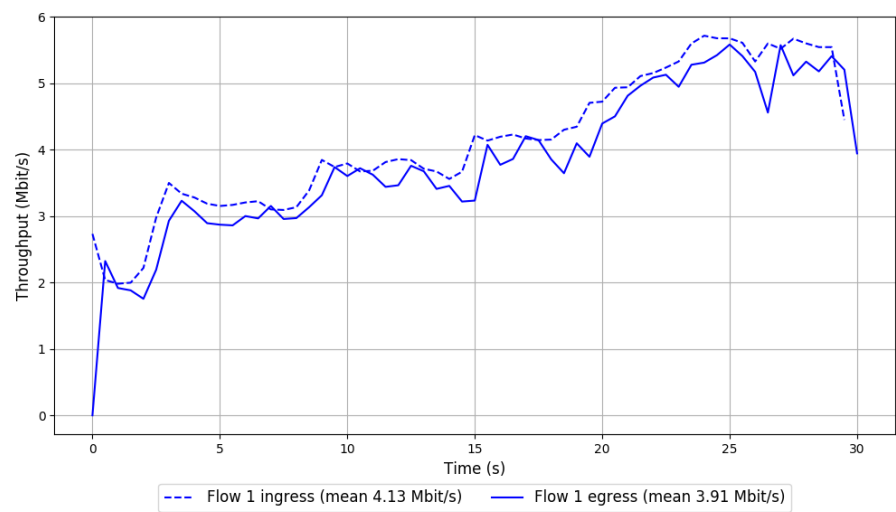
-- Flow 1:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 9.904 ms

Loss rate: 5.46%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-24 07:38:54

End at: 2018-07-24 07:39:25

Local clock offset: 1.444 ms

Remote clock offset: -13.756 ms

Below is generated by plot.py at 2018-07-24 10:12:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.55 Mbit/s

95th percentile per-packet one-way delay: 8.368 ms

Loss rate: 5.43%

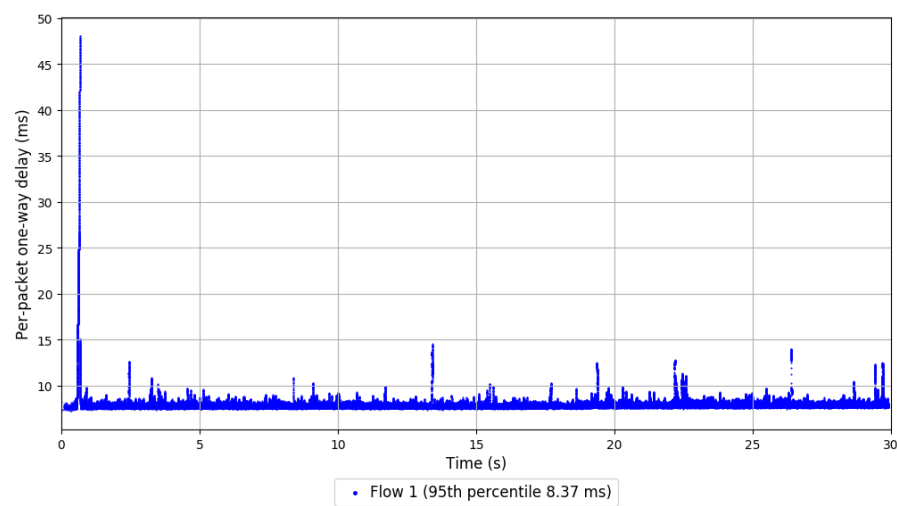
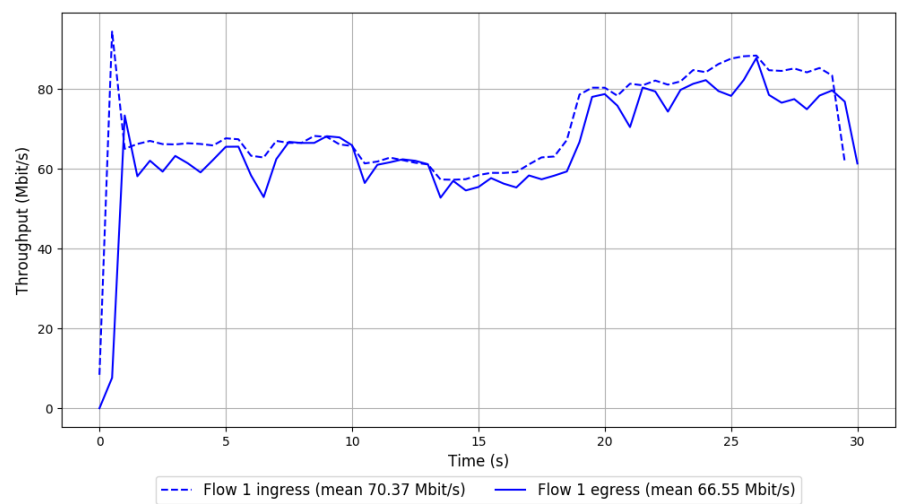
-- Flow 1:

Average throughput: 66.55 Mbit/s

95th percentile per-packet one-way delay: 8.368 ms

Loss rate: 5.43%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-24 07:59:23

End at: 2018-07-24 07:59:53

Local clock offset: 0.243 ms

Remote clock offset: -12.877 ms

Below is generated by plot.py at 2018-07-24 10:12:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.19 Mbit/s

95th percentile per-packet one-way delay: 10.517 ms

Loss rate: 3.67%

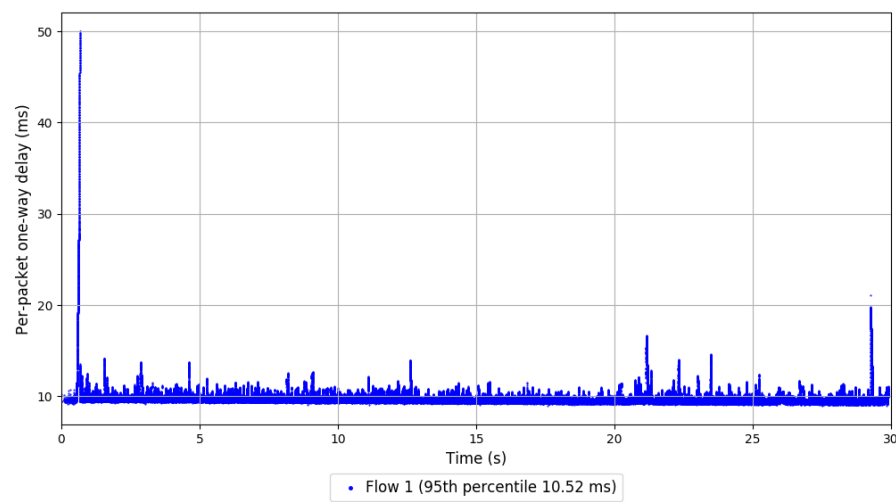
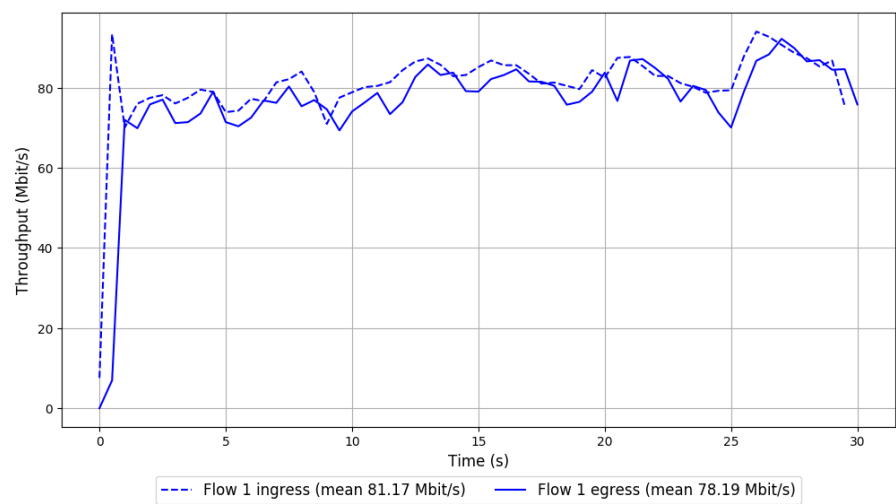
-- Flow 1:

Average throughput: 78.19 Mbit/s

95th percentile per-packet one-way delay: 10.517 ms

Loss rate: 3.67%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-24 08:19:33

End at: 2018-07-24 08:20:03

Local clock offset: 1.808 ms

Remote clock offset: -5.733 ms

Below is generated by plot.py at 2018-07-24 10:13:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.53 Mbit/s

95th percentile per-packet one-way delay: 10.254 ms

Loss rate: 3.82%

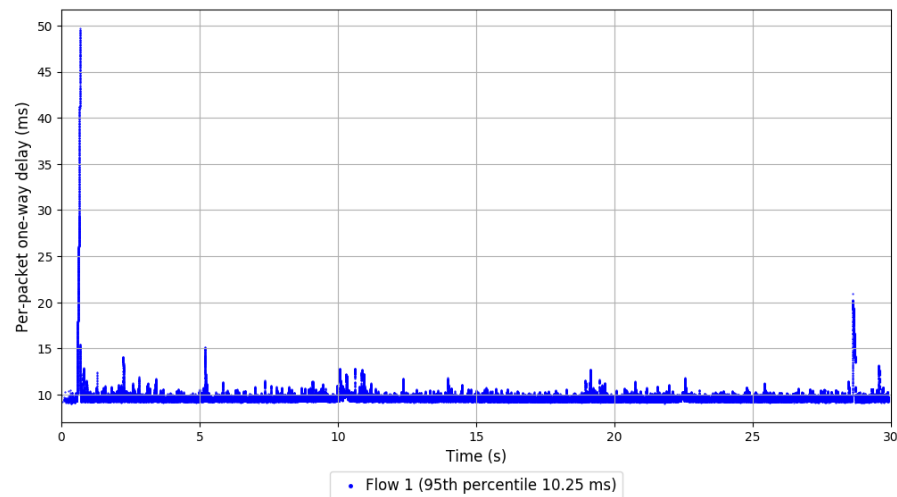
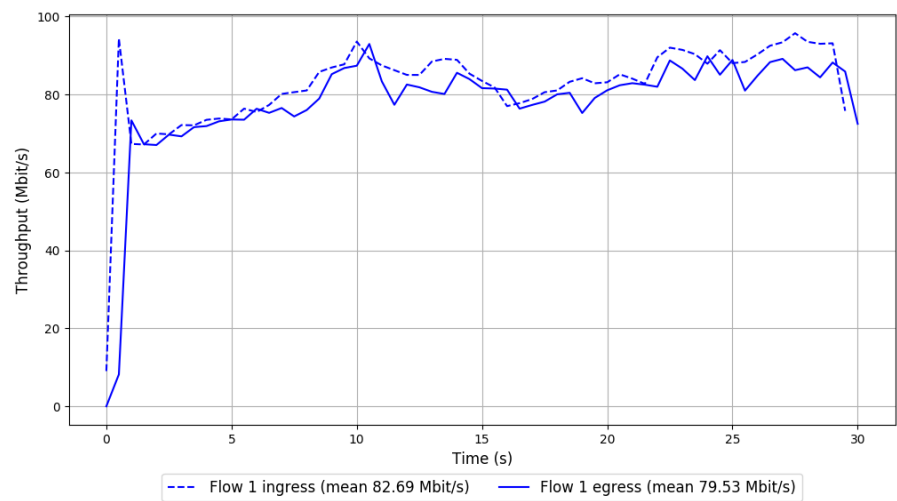
-- Flow 1:

Average throughput: 79.53 Mbit/s

95th percentile per-packet one-way delay: 10.254 ms

Loss rate: 3.82%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-24 08:39:34

End at: 2018-07-24 08:40:04

Local clock offset: 0.789 ms

Remote clock offset: -6.826 ms

Below is generated by plot.py at 2018-07-24 10:13:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.53 Mbit/s

95th percentile per-packet one-way delay: 10.438 ms

Loss rate: 5.39%

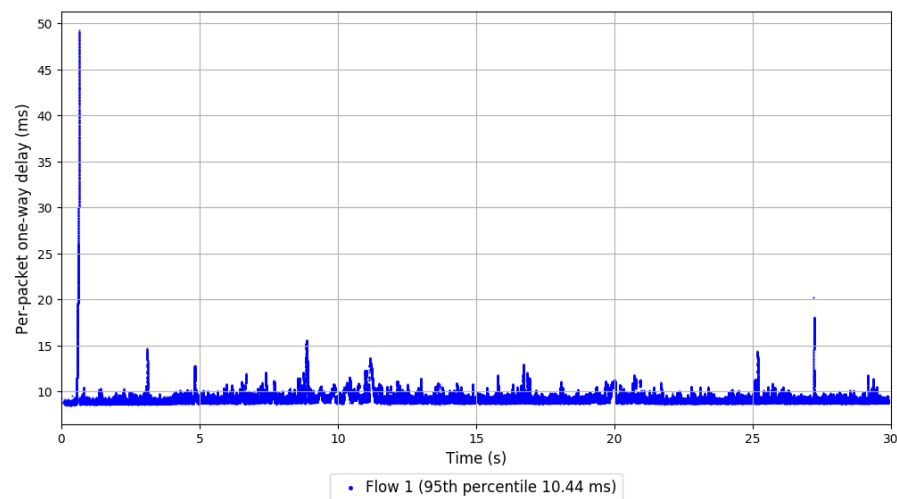
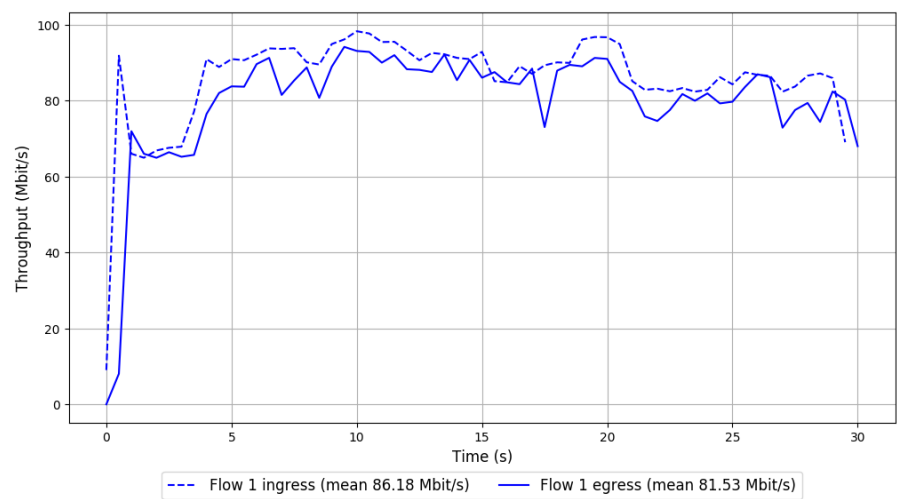
-- Flow 1:

Average throughput: 81.53 Mbit/s

95th percentile per-packet one-way delay: 10.438 ms

Loss rate: 5.39%

Run 6: Report of PCC-Allegro — Data Link

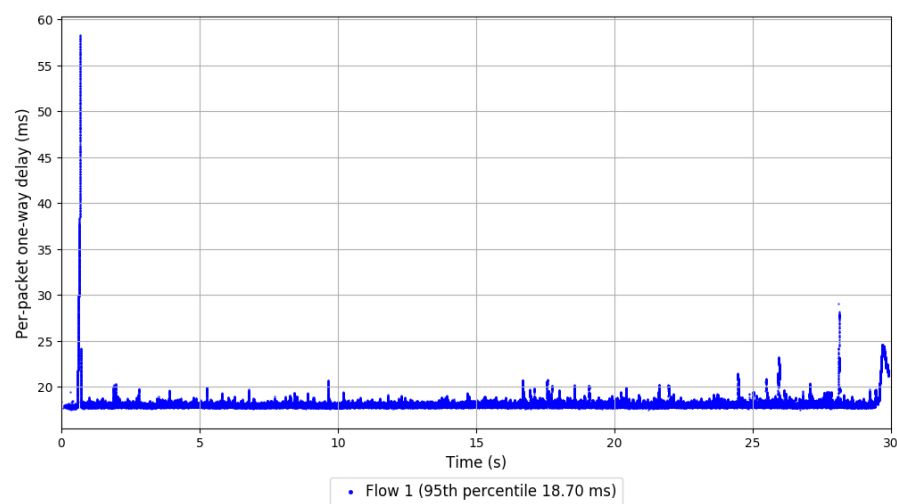
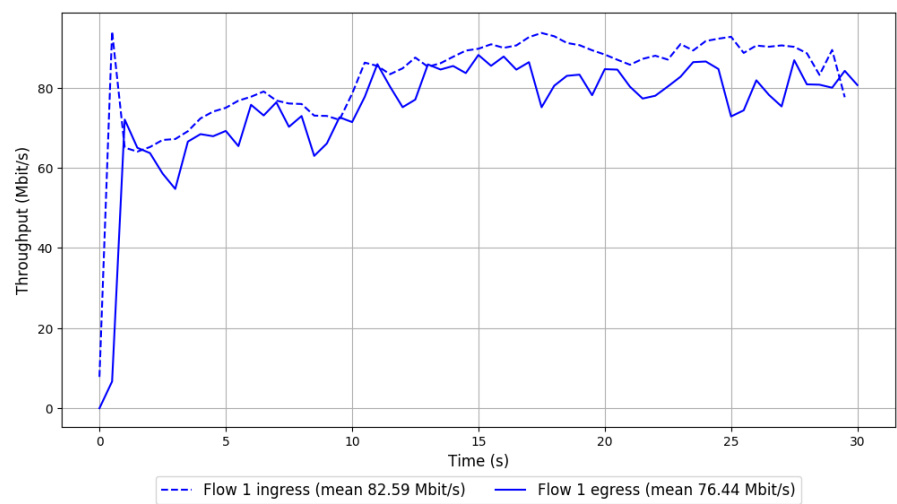


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-24 08:59:21
End at: 2018-07-24 08:59:51
Local clock offset: -0.511 ms
Remote clock offset: -0.588 ms

Below is generated by plot.py at 2018-07-24 10:13:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.44 Mbit/s
95th percentile per-packet one-way delay: 18.698 ms
Loss rate: 7.44%
-- Flow 1:
Average throughput: 76.44 Mbit/s
95th percentile per-packet one-way delay: 18.698 ms
Loss rate: 7.44%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-24 09:18:59

End at: 2018-07-24 09:19:29

Local clock offset: 1.314 ms

Remote clock offset: -14.55 ms

Below is generated by plot.py at 2018-07-24 10:13:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.96 Mbit/s

95th percentile per-packet one-way delay: 12.492 ms

Loss rate: 5.77%

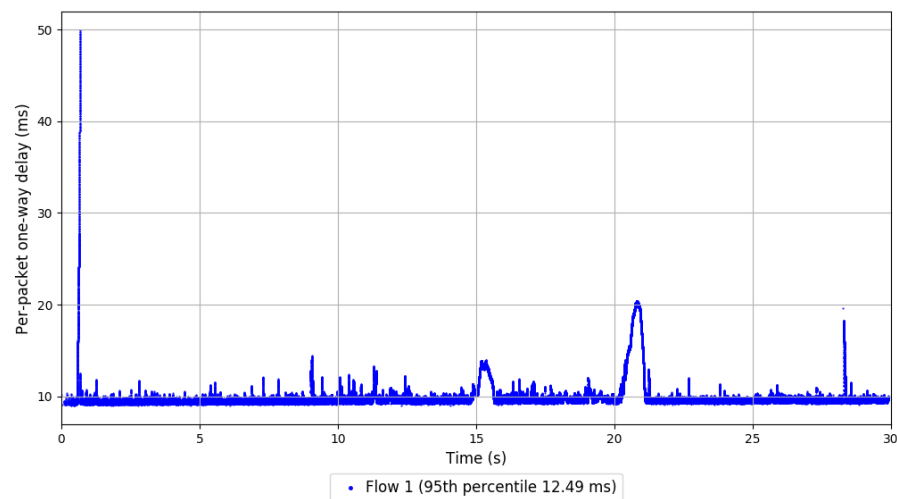
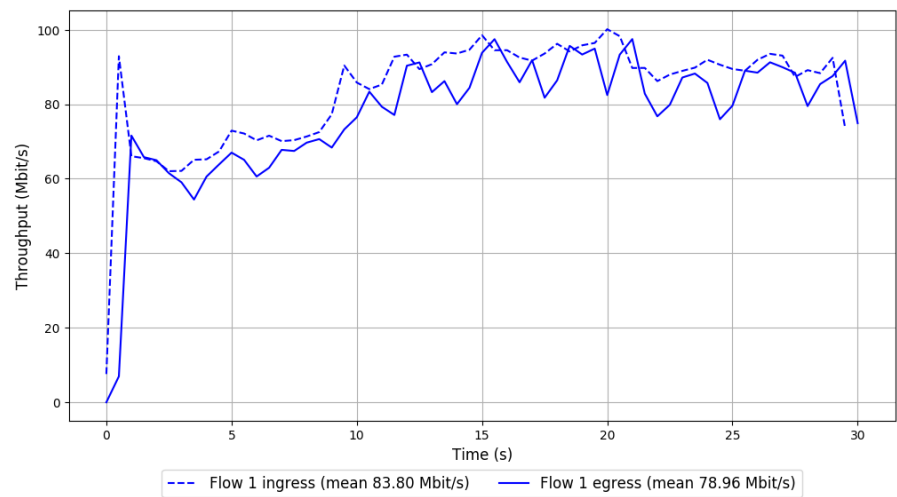
-- Flow 1:

Average throughput: 78.96 Mbit/s

95th percentile per-packet one-way delay: 12.492 ms

Loss rate: 5.77%

Run 8: Report of PCC-Allegro — Data Link

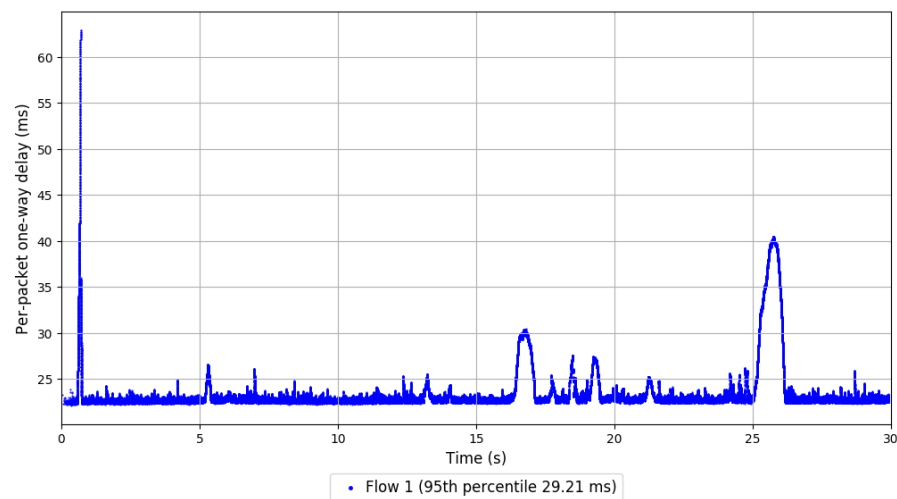
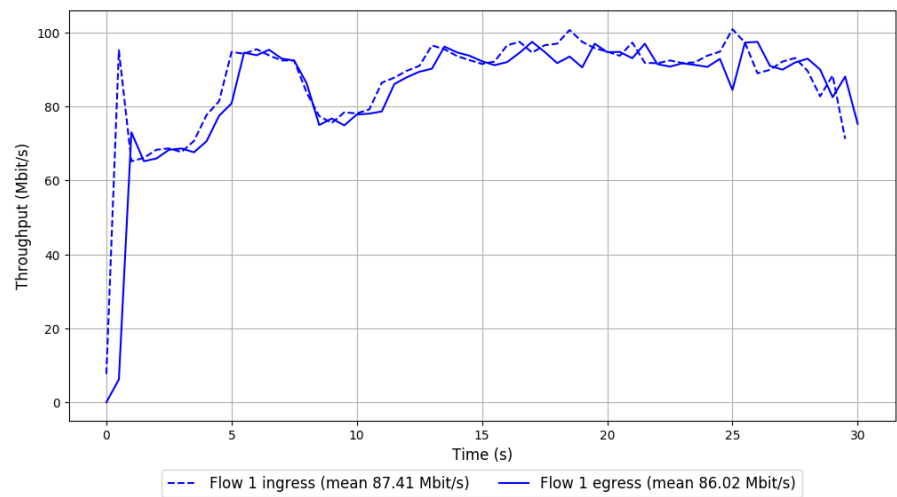


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-24 09:39:01
End at: 2018-07-24 09:39:31
Local clock offset: 1.277 ms
Remote clock offset: -4.003 ms

Below is generated by plot.py at 2018-07-24 10:13:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.02 Mbit/s
95th percentile per-packet one-way delay: 29.215 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 86.02 Mbit/s
95th percentile per-packet one-way delay: 29.215 ms
Loss rate: 1.58%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-24 09:58:49

End at: 2018-07-24 09:59:19

Local clock offset: 2.597 ms

Remote clock offset: -2.479 ms

Below is generated by plot.py at 2018-07-24 10:13:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.35 Mbit/s

95th percentile per-packet one-way delay: 18.450 ms

Loss rate: 2.71%

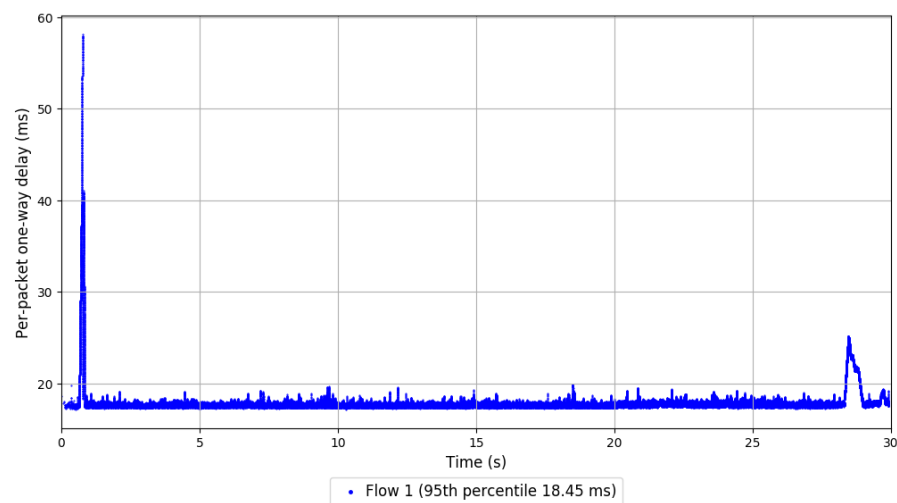
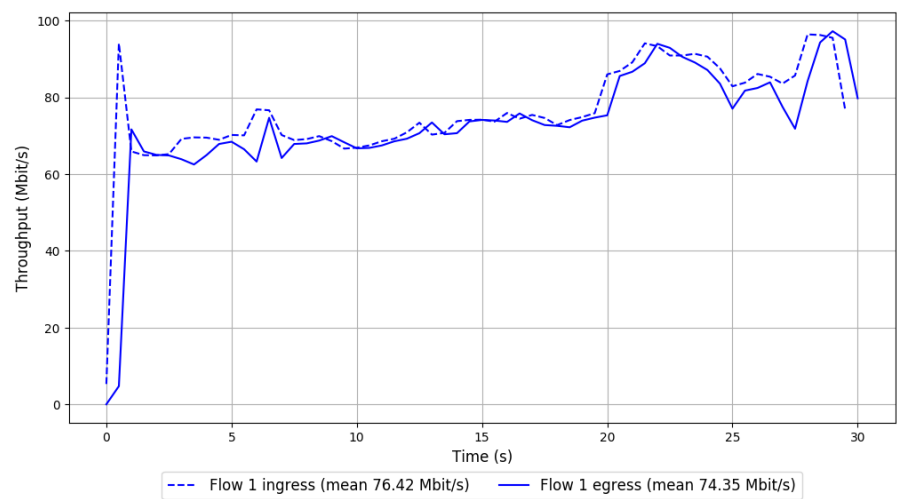
-- Flow 1:

Average throughput: 74.35 Mbit/s

95th percentile per-packet one-way delay: 18.450 ms

Loss rate: 2.71%

Run 10: Report of PCC-Allegro — Data Link

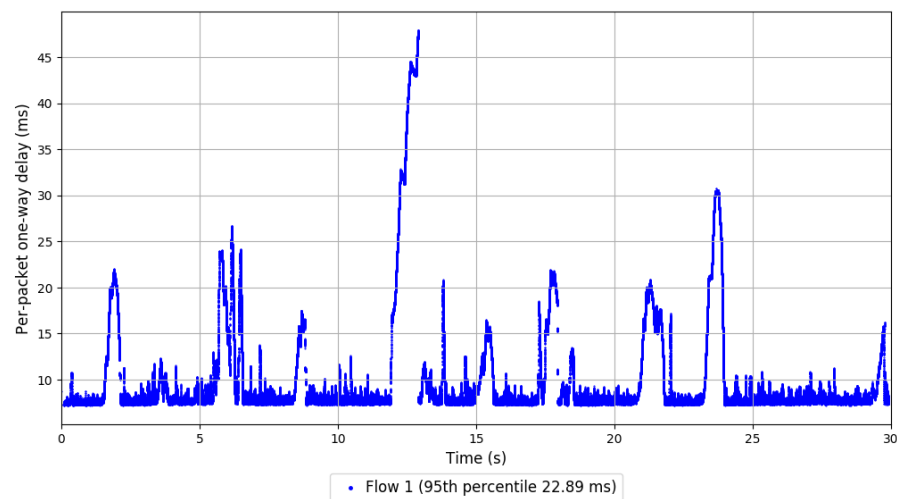
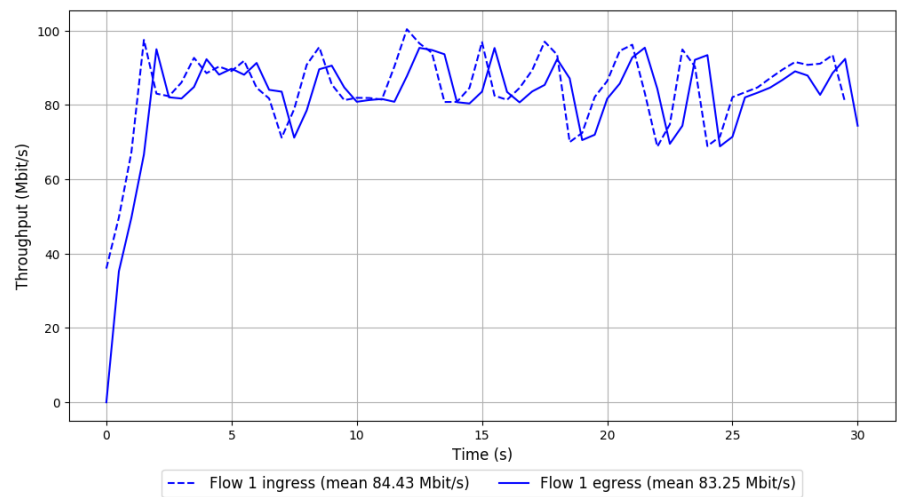


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-24 06:48:46
End at: 2018-07-24 06:49:16
Local clock offset: 0.306 ms
Remote clock offset: -8.015 ms

# Below is generated by plot.py at 2018-07-24 10:14:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.25 Mbit/s
95th percentile per-packet one-way delay: 22.885 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 83.25 Mbit/s
95th percentile per-packet one-way delay: 22.885 ms
Loss rate: 1.40%
```


Run 1: Report of PCC-Expr — Data Link

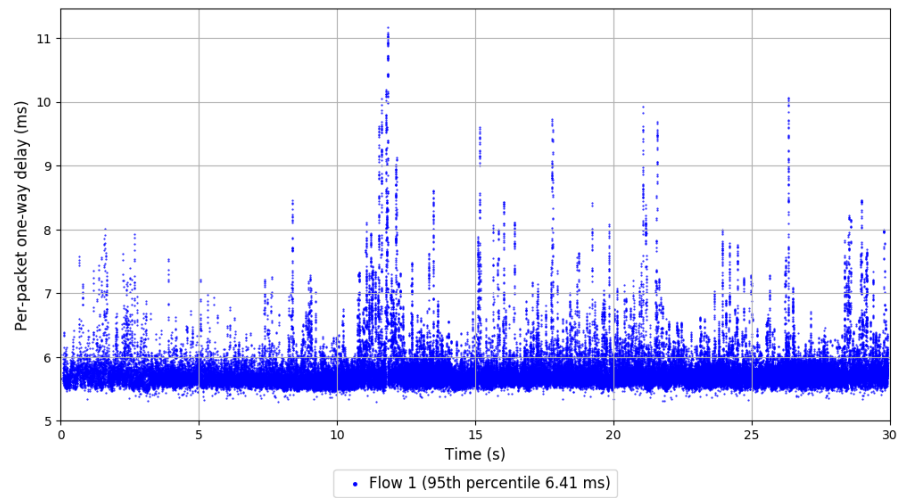
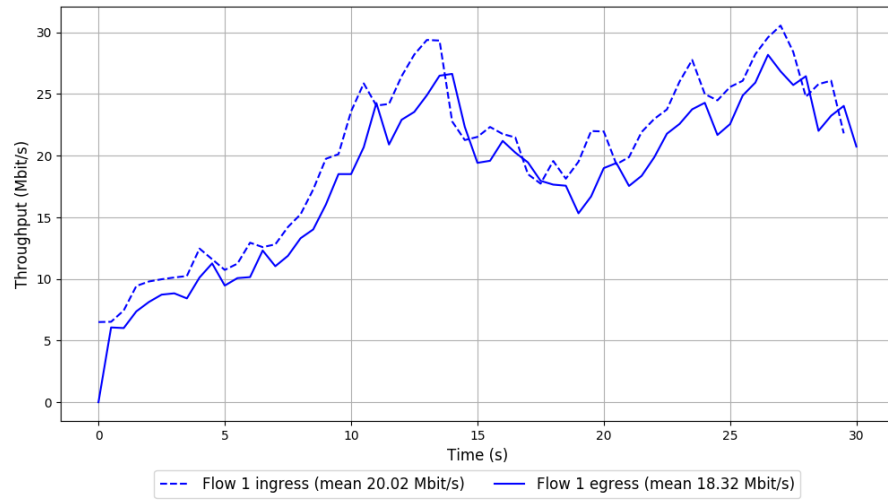


Run 2: Statistics of PCC-Expr

Start at: 2018-07-24 07:08:35
End at: 2018-07-24 07:09:05
Local clock offset: 2.503 ms
Remote clock offset: -9.617 ms

Below is generated by plot.py at 2018-07-24 10:14:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 6.408 ms
Loss rate: 8.49%
-- Flow 1:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 6.408 ms
Loss rate: 8.49%

Run 2: Report of PCC-Expr — Data Link

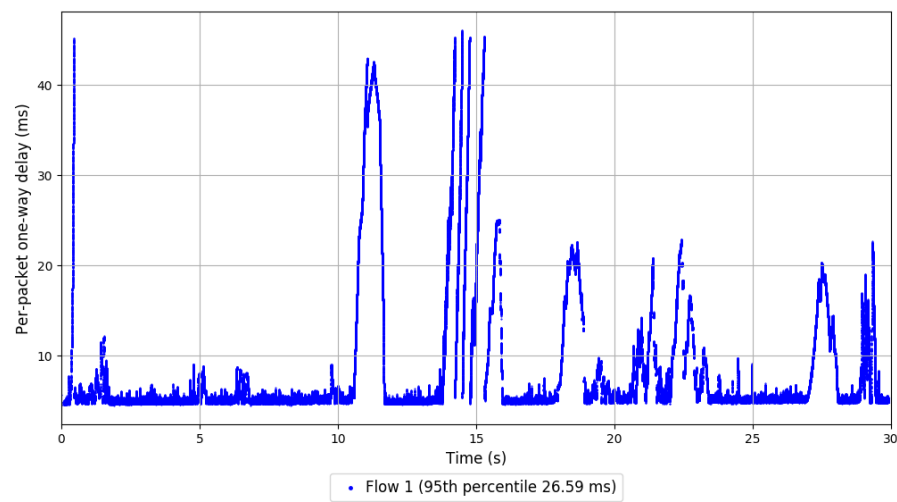
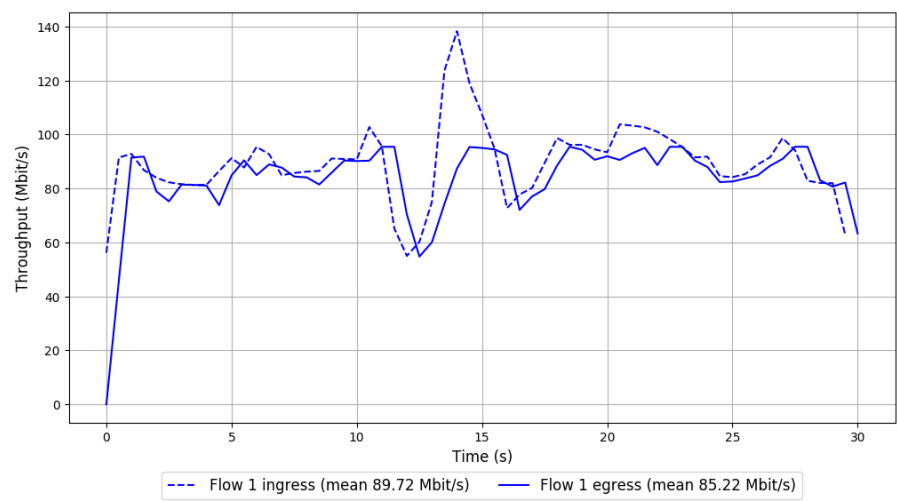


Run 3: Statistics of PCC-Expr

Start at: 2018-07-24 07:28:26
End at: 2018-07-24 07:28:56
Local clock offset: 3.466 ms
Remote clock offset: -11.322 ms

Below is generated by plot.py at 2018-07-24 10:14:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.22 Mbit/s
95th percentile per-packet one-way delay: 26.586 ms
Loss rate: 5.02%
-- Flow 1:
Average throughput: 85.22 Mbit/s
95th percentile per-packet one-way delay: 26.586 ms
Loss rate: 5.02%

Run 3: Report of PCC-Expr — Data Link

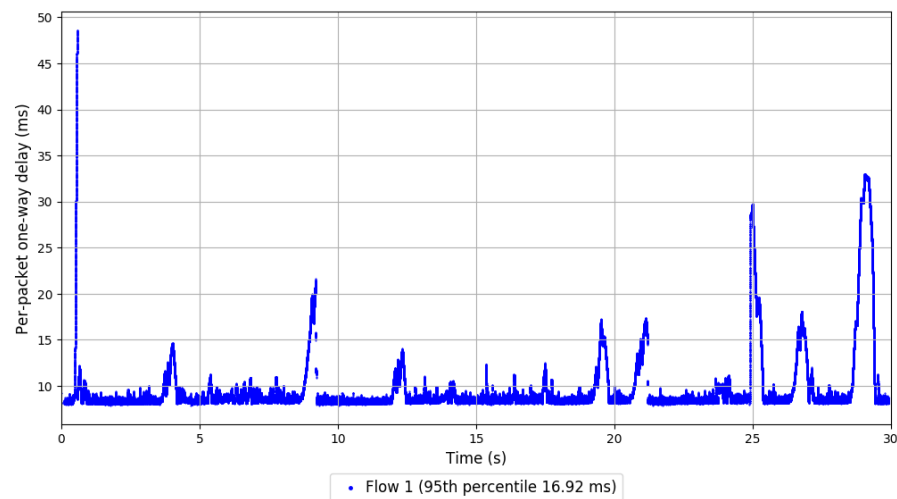
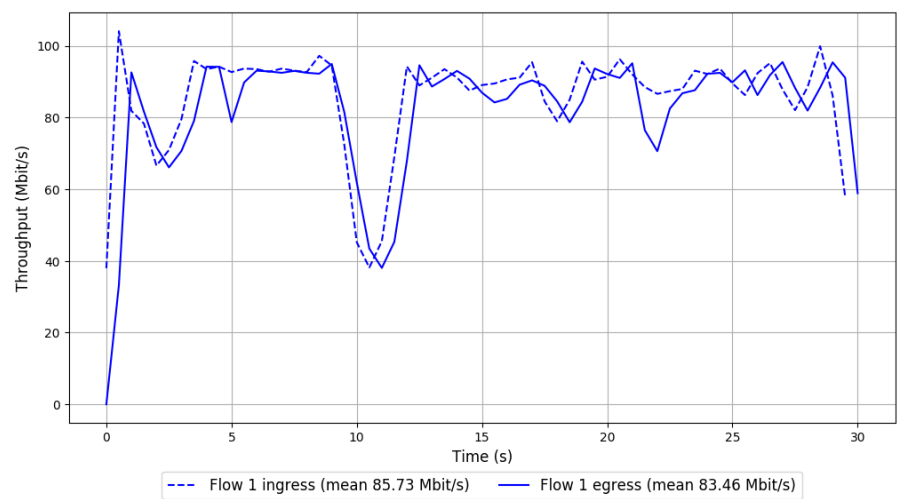


Run 4: Statistics of PCC-Expr

Start at: 2018-07-24 07:48:15
End at: 2018-07-24 07:48:45
Local clock offset: 1.386 ms
Remote clock offset: -14.694 ms

Below is generated by plot.py at 2018-07-24 10:14:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 16.916 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 16.916 ms
Loss rate: 2.65%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-24 08:09:01

End at: 2018-07-24 08:09:31

Local clock offset: 1.126 ms

Remote clock offset: -3.31 ms

Below is generated by plot.py at 2018-07-24 10:15:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.85 Mbit/s

95th percentile per-packet one-way delay: 29.655 ms

Loss rate: 2.71%

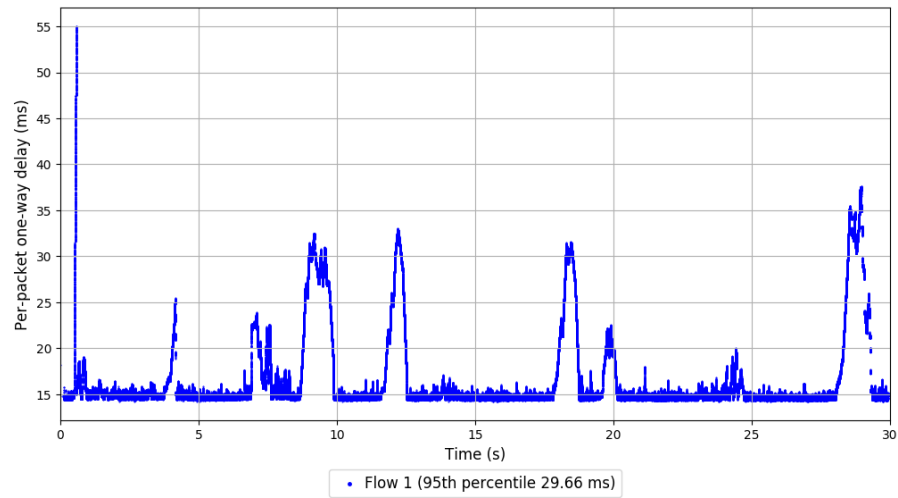
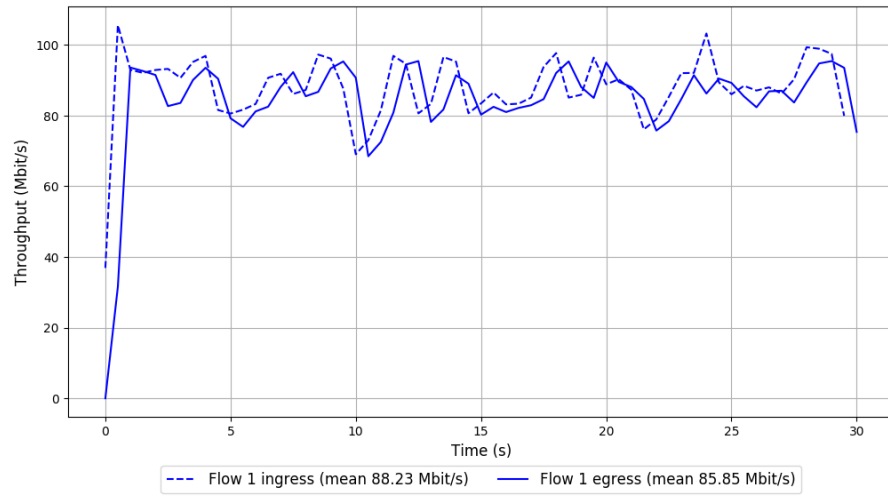
-- Flow 1:

Average throughput: 85.85 Mbit/s

95th percentile per-packet one-way delay: 29.655 ms

Loss rate: 2.71%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-24 08:28:58

End at: 2018-07-24 08:29:28

Local clock offset: 1.838 ms

Remote clock offset: 0.454 ms

Below is generated by plot.py at 2018-07-24 10:15:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.88 Mbit/s

95th percentile per-packet one-way delay: 28.930 ms

Loss rate: 3.60%

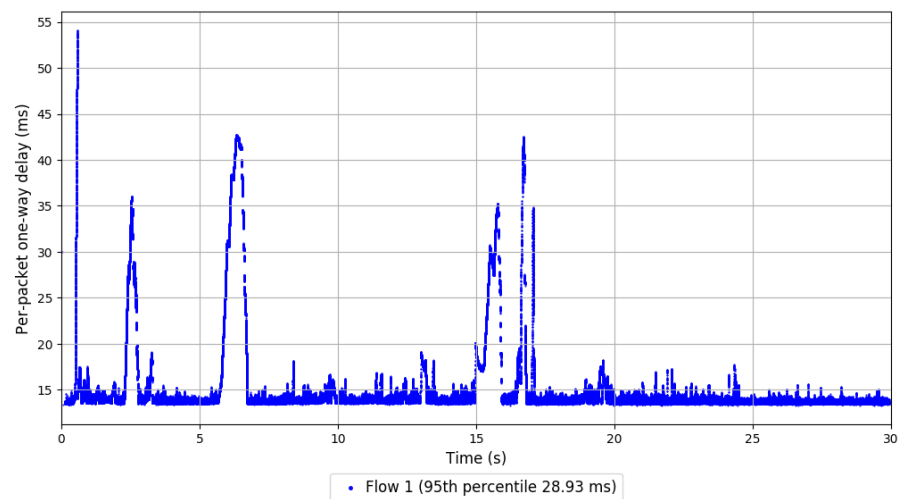
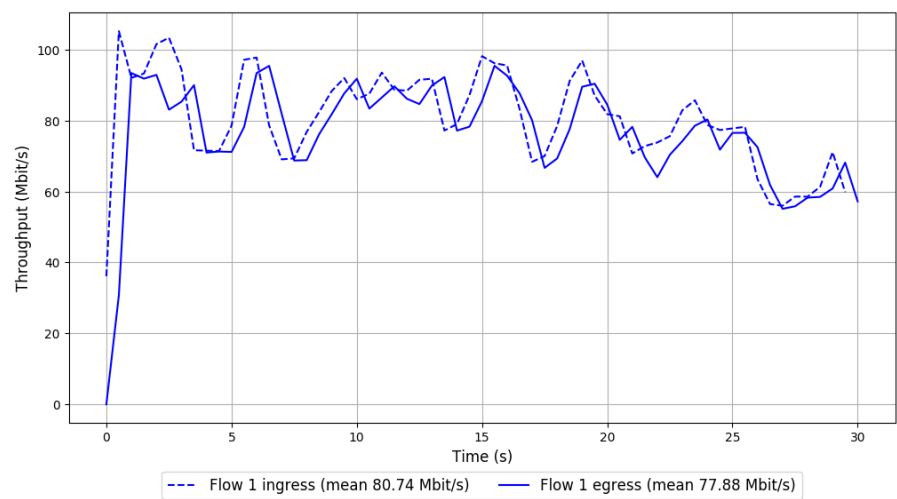
-- Flow 1:

Average throughput: 77.88 Mbit/s

95th percentile per-packet one-way delay: 28.930 ms

Loss rate: 3.60%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-24 08:48:52

End at: 2018-07-24 08:49:22

Local clock offset: 0.788 ms

Remote clock offset: -6.79 ms

Below is generated by plot.py at 2018-07-24 10:15:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.44 Mbit/s

95th percentile per-packet one-way delay: 12.455 ms

Loss rate: 7.53%

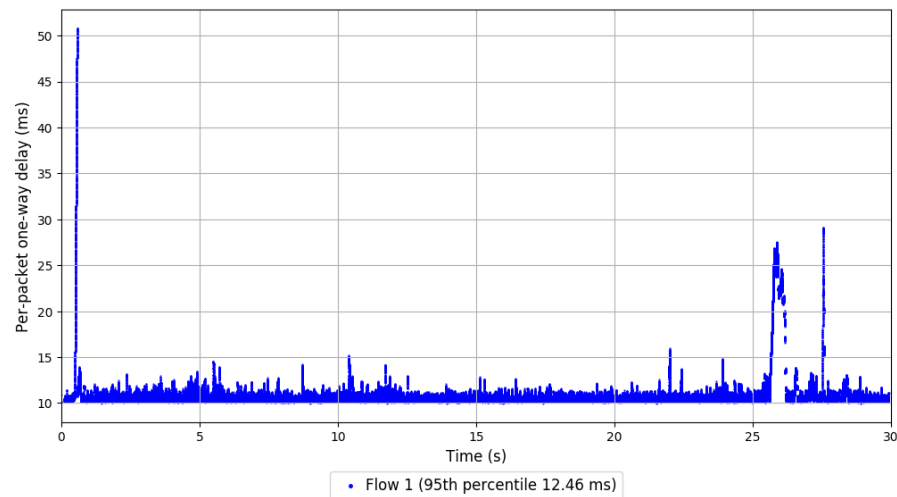
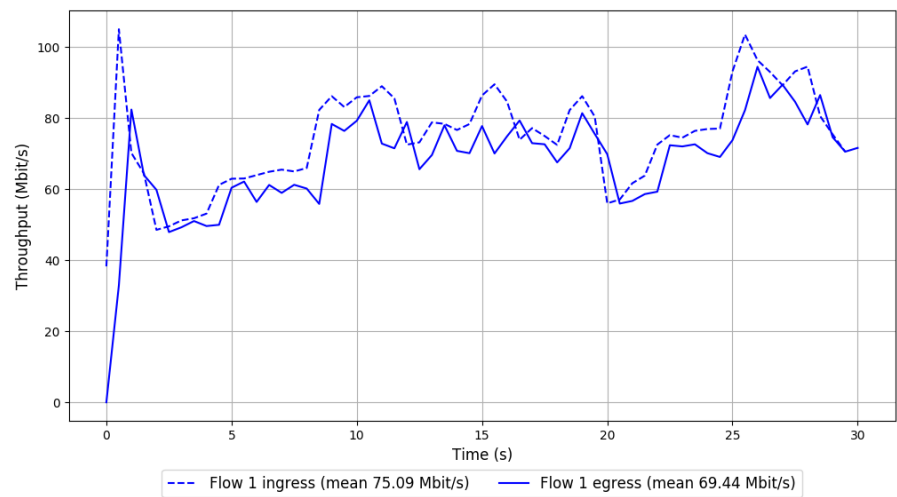
-- Flow 1:

Average throughput: 69.44 Mbit/s

95th percentile per-packet one-way delay: 12.455 ms

Loss rate: 7.53%

Run 7: Report of PCC-Expr — Data Link

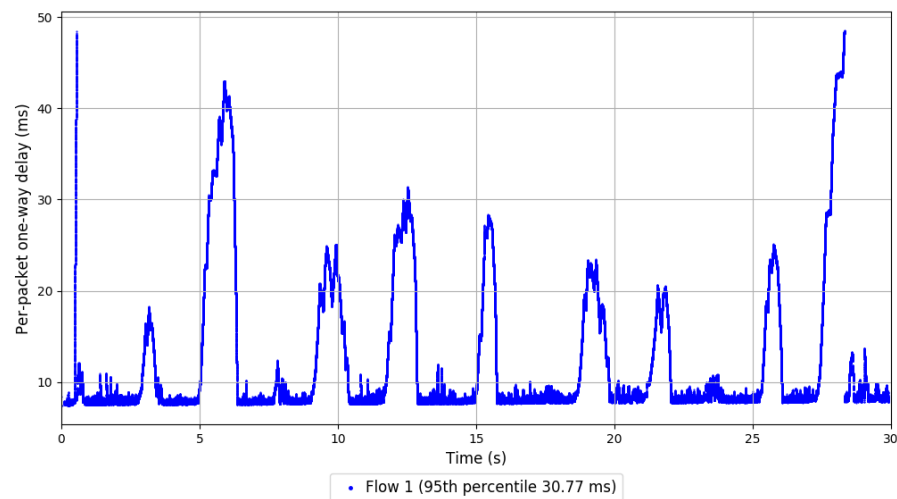
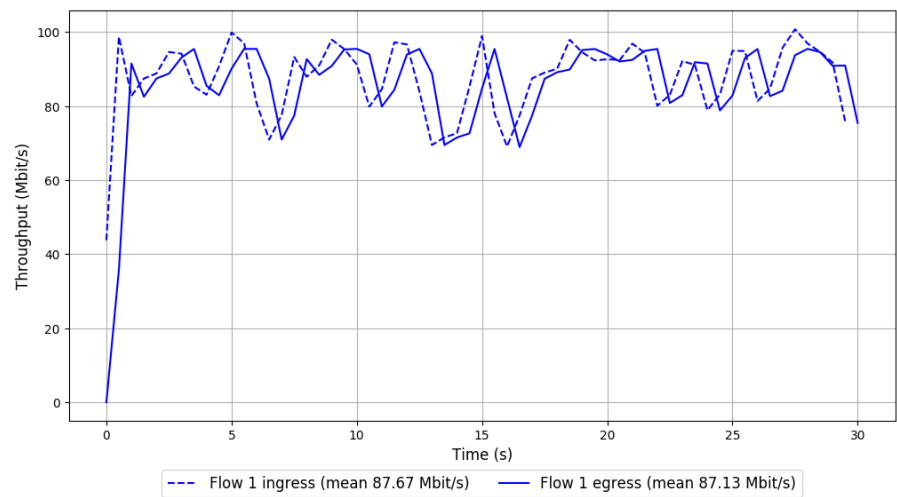


Run 8: Statistics of PCC-Expr

Start at: 2018-07-24 09:08:38
End at: 2018-07-24 09:09:08
Local clock offset: 0.91 ms
Remote clock offset: -11.134 ms

Below is generated by plot.py at 2018-07-24 10:15:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.13 Mbit/s
95th percentile per-packet one-way delay: 30.765 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 87.13 Mbit/s
95th percentile per-packet one-way delay: 30.765 ms
Loss rate: 0.62%

Run 8: Report of PCC-Expr — Data Link

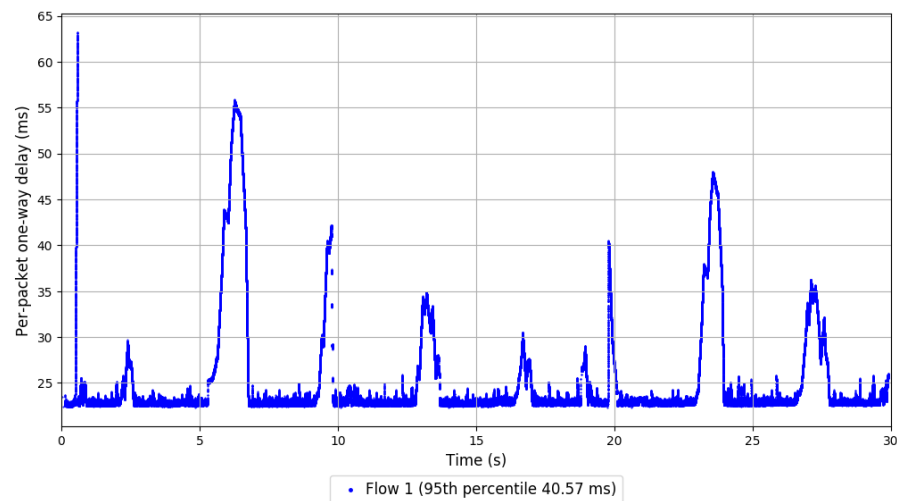
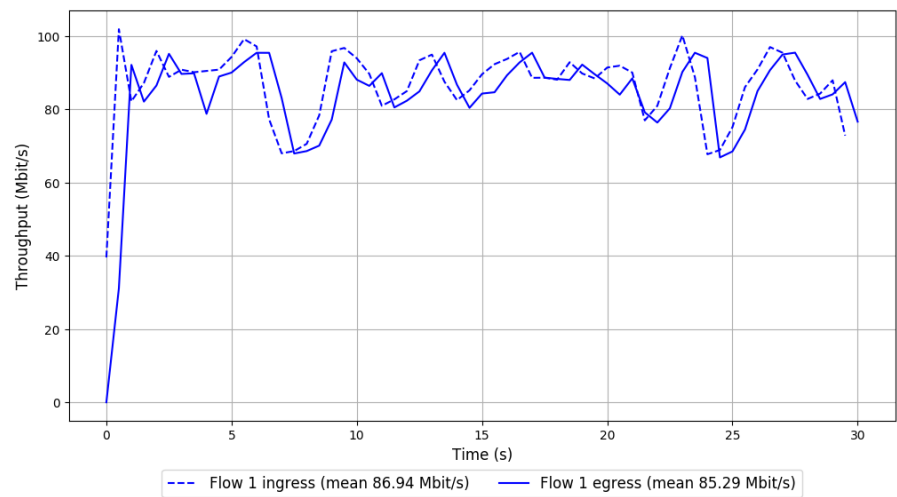


Run 9: Statistics of PCC-Expr

Start at: 2018-07-24 09:28:31
End at: 2018-07-24 09:29:01
Local clock offset: 1.194 ms
Remote clock offset: -3.216 ms

Below is generated by plot.py at 2018-07-24 10:15:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.29 Mbit/s
95th percentile per-packet one-way delay: 40.566 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 85.29 Mbit/s
95th percentile per-packet one-way delay: 40.566 ms
Loss rate: 1.89%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-24 09:48:28

End at: 2018-07-24 09:48:58

Local clock offset: 1.196 ms

Remote clock offset: -8.165 ms

Below is generated by plot.py at 2018-07-24 10:16:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.94 Mbit/s

95th percentile per-packet one-way delay: 21.963 ms

Loss rate: 3.42%

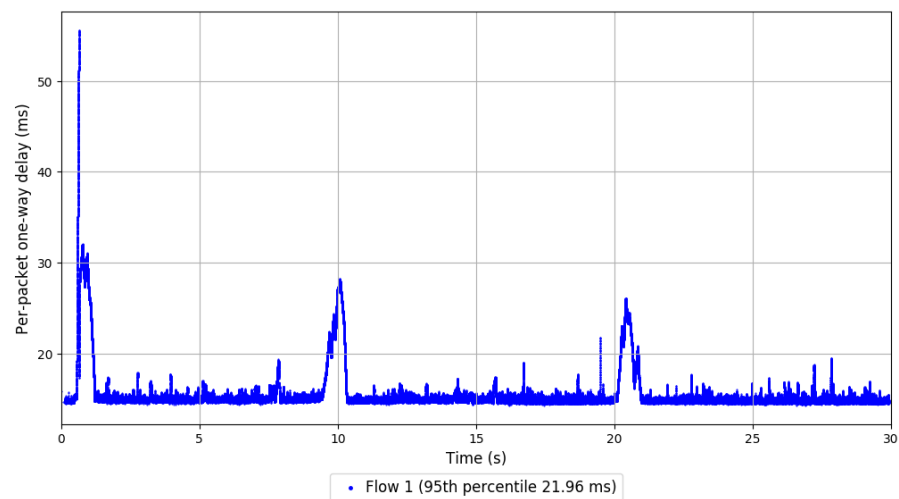
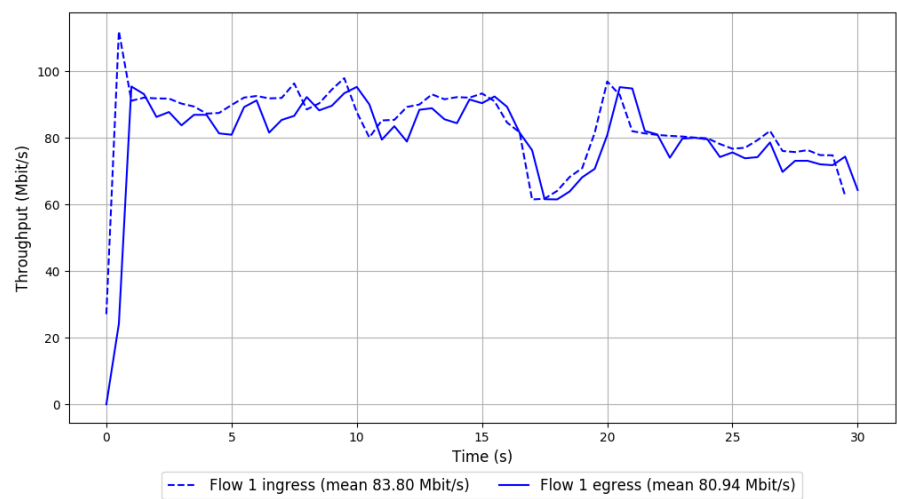
-- Flow 1:

Average throughput: 80.94 Mbit/s

95th percentile per-packet one-way delay: 21.963 ms

Loss rate: 3.42%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-24 06:45:09

End at: 2018-07-24 06:45:39

Local clock offset: 0.003 ms

Remote clock offset: -8.35 ms

Below is generated by plot.py at 2018-07-24 10:16:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.65 Mbit/s

95th percentile per-packet one-way delay: 8.590 ms

Loss rate: 0.75%

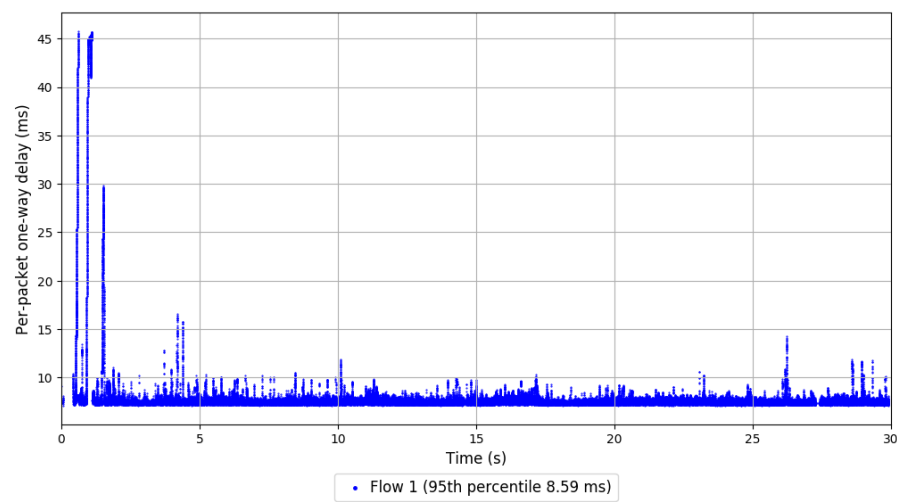
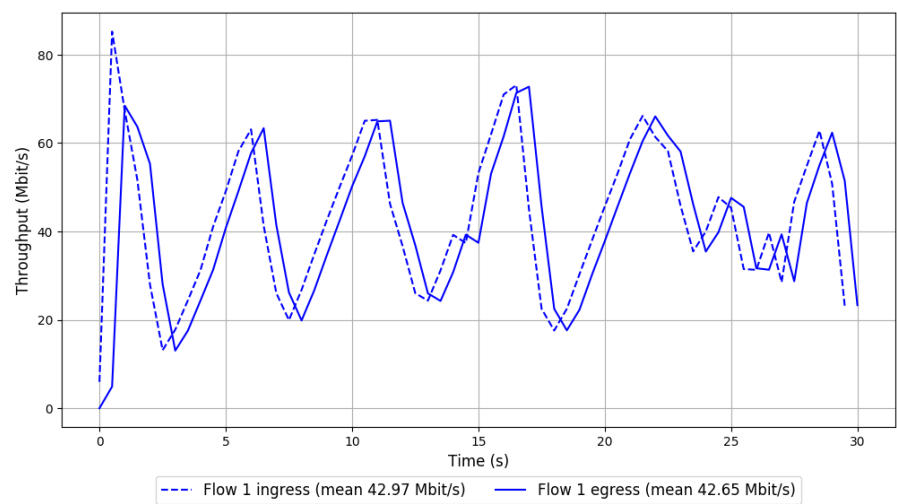
-- Flow 1:

Average throughput: 42.65 Mbit/s

95th percentile per-packet one-way delay: 8.590 ms

Loss rate: 0.75%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-24 07:05:04

End at: 2018-07-24 07:05:34

Local clock offset: -1.26 ms

Remote clock offset: -9.204 ms

Below is generated by plot.py at 2018-07-24 10:16:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.75 Mbit/s

95th percentile per-packet one-way delay: 10.033 ms

Loss rate: 6.28%

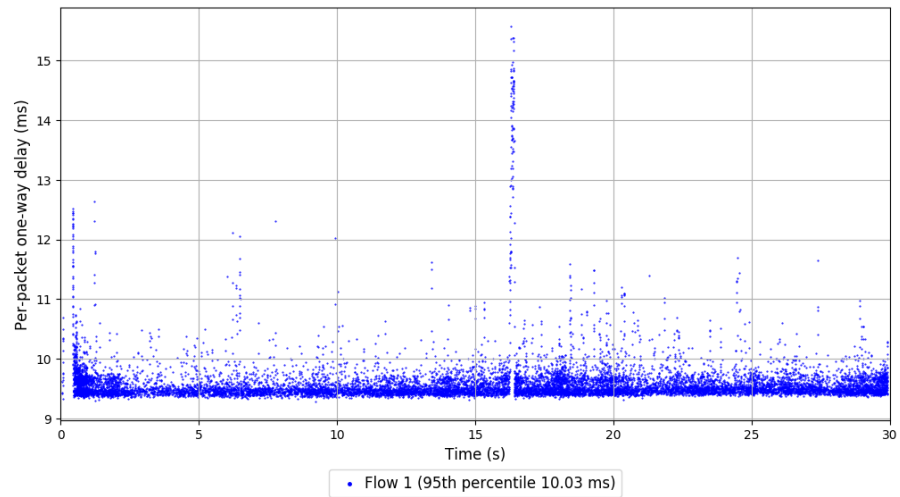
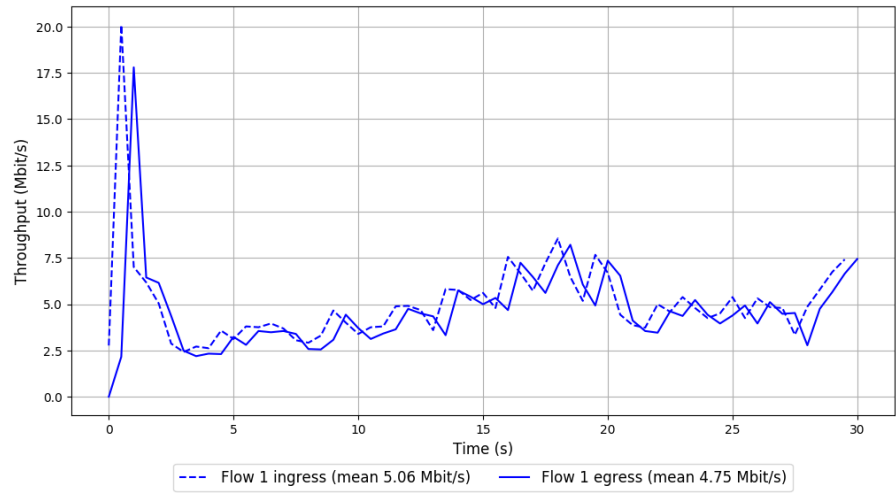
-- Flow 1:

Average throughput: 4.75 Mbit/s

95th percentile per-packet one-way delay: 10.033 ms

Loss rate: 6.28%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

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

End at: 2018-07-24 07:25:22

Local clock offset: -1.074 ms

Remote clock offset: -10.06 ms

Below is generated by plot.py at 2018-07-24 10:16:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.93 Mbit/s

95th percentile per-packet one-way delay: 38.368 ms

Loss rate: 2.26%

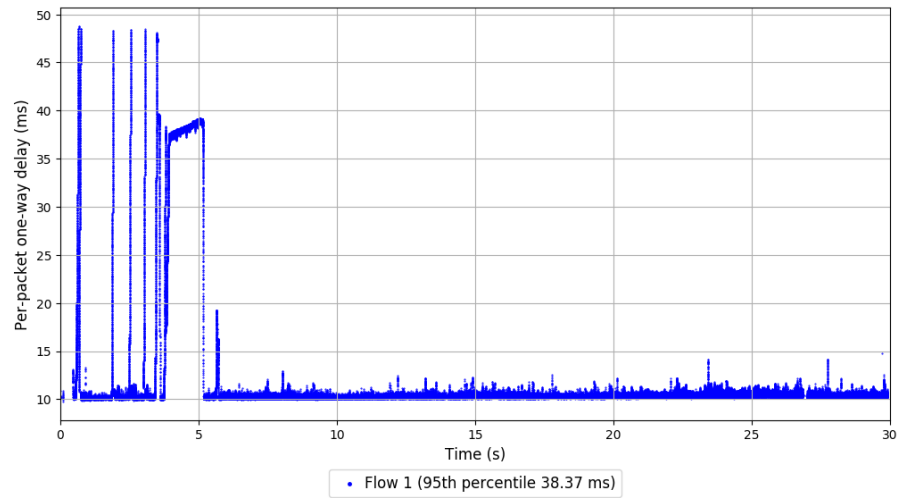
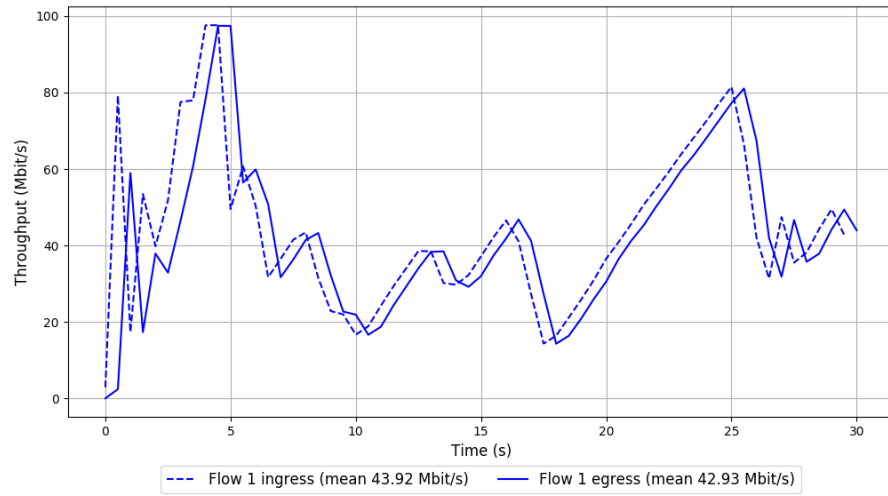
-- Flow 1:

Average throughput: 42.93 Mbit/s

95th percentile per-packet one-way delay: 38.368 ms

Loss rate: 2.26%

Run 3: Report of QUIC Cubic — Data Link

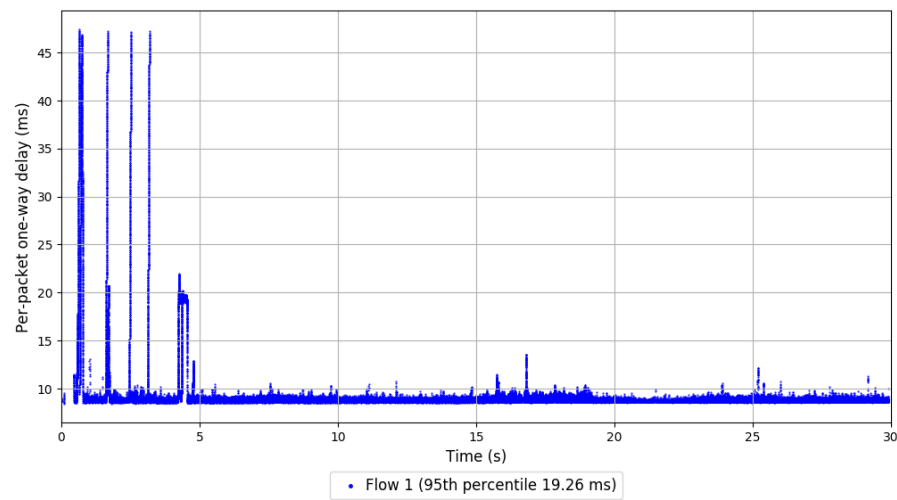
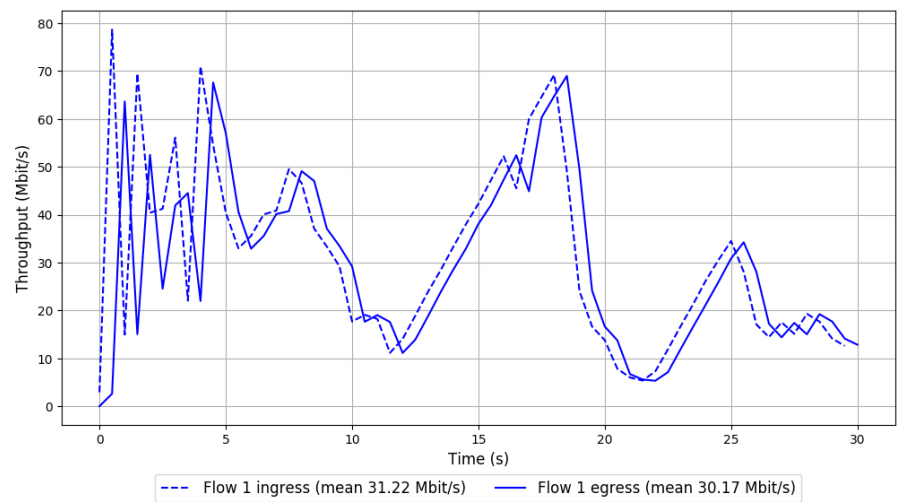


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-24 07:44:41
End at: 2018-07-24 07:45:11
Local clock offset: 0.867 ms
Remote clock offset: -14.126 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.17 Mbit/s
95th percentile per-packet one-way delay: 19.264 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 30.17 Mbit/s
95th percentile per-packet one-way delay: 19.264 ms
Loss rate: 3.38%

Run 4: Report of QUIC Cubic — Data Link

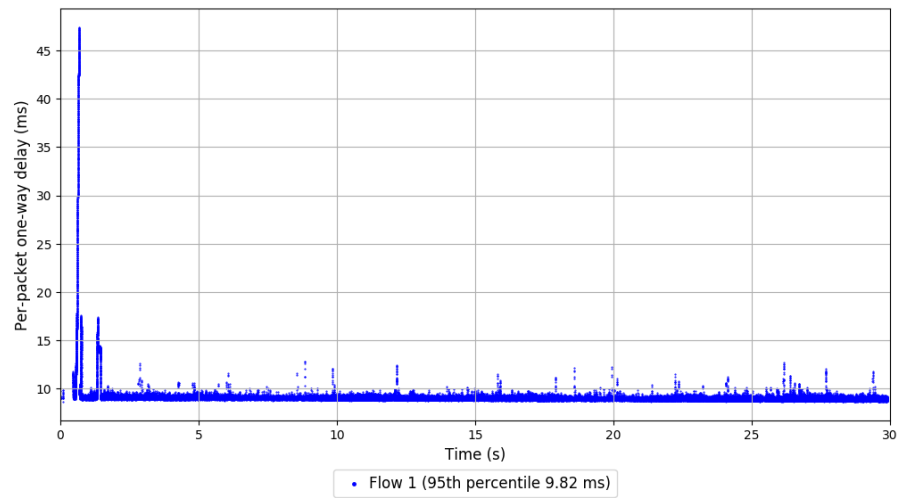
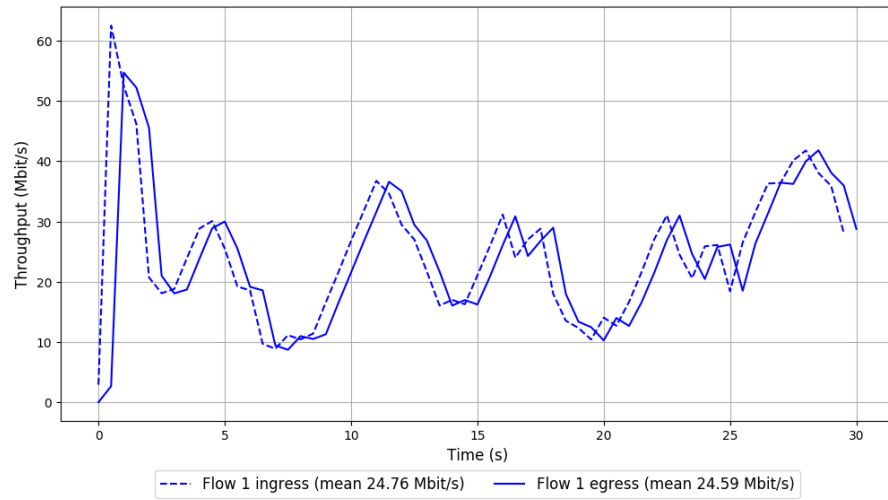


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-24 08:05:12
End at: 2018-07-24 08:05:42
Local clock offset: 0.232 ms
Remote clock offset: -10.037 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 9.825 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 9.825 ms
Loss rate: 0.71%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-24 08:25:19

End at: 2018-07-24 08:25:49

Local clock offset: 2.484 ms

Remote clock offset: -5.538 ms

Below is generated by plot.py at 2018-07-24 10:16:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.84 Mbit/s

95th percentile per-packet one-way delay: 9.342 ms

Loss rate: 1.81%

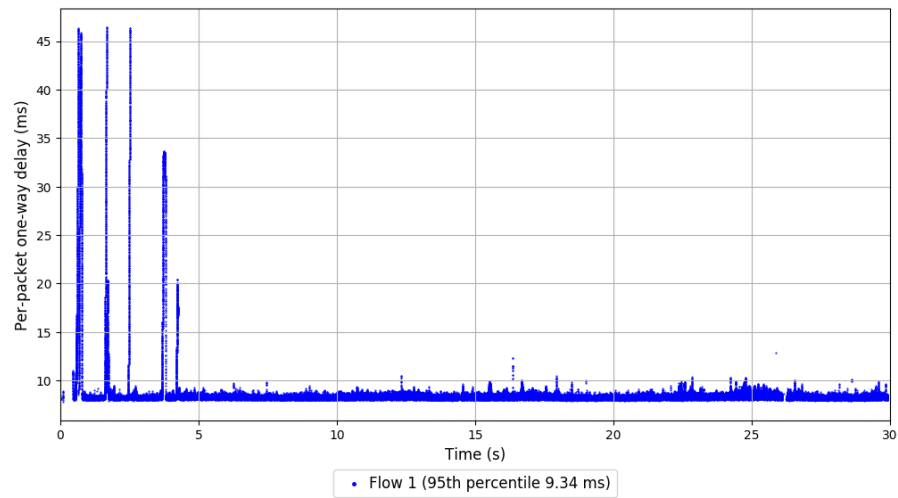
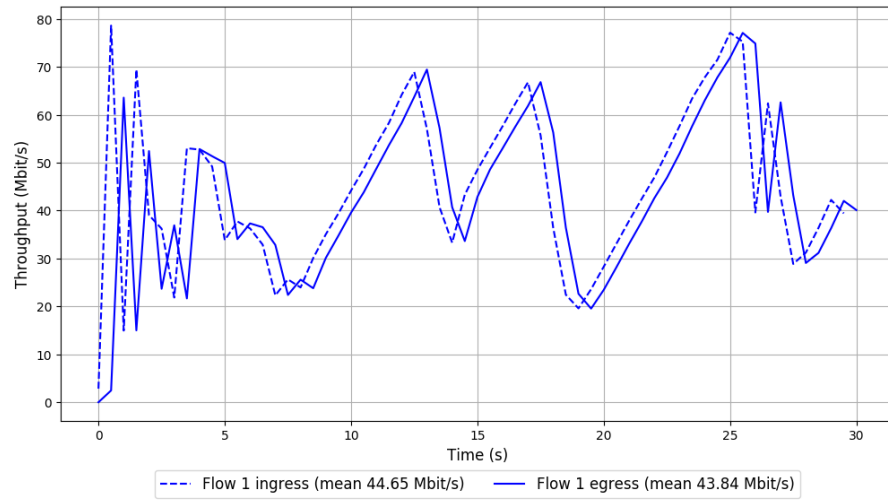
-- Flow 1:

Average throughput: 43.84 Mbit/s

95th percentile per-packet one-way delay: 9.342 ms

Loss rate: 1.81%

Run 6: Report of QUIC Cubic — Data Link

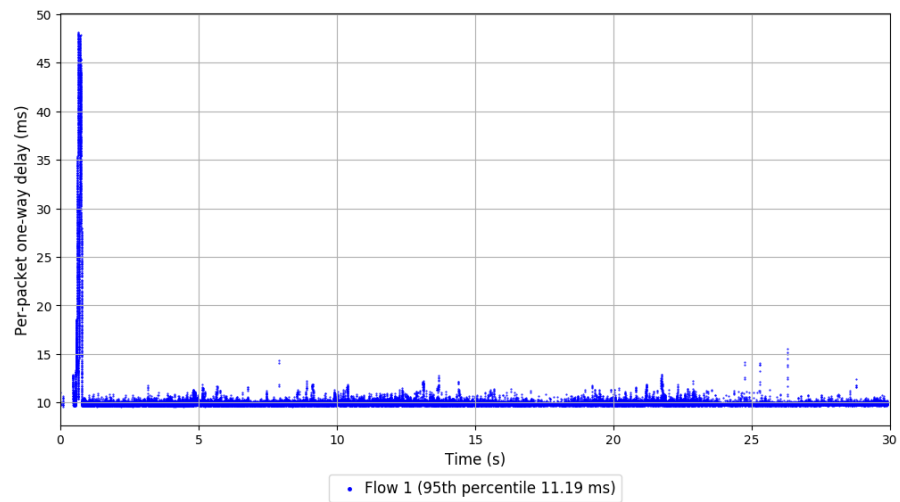
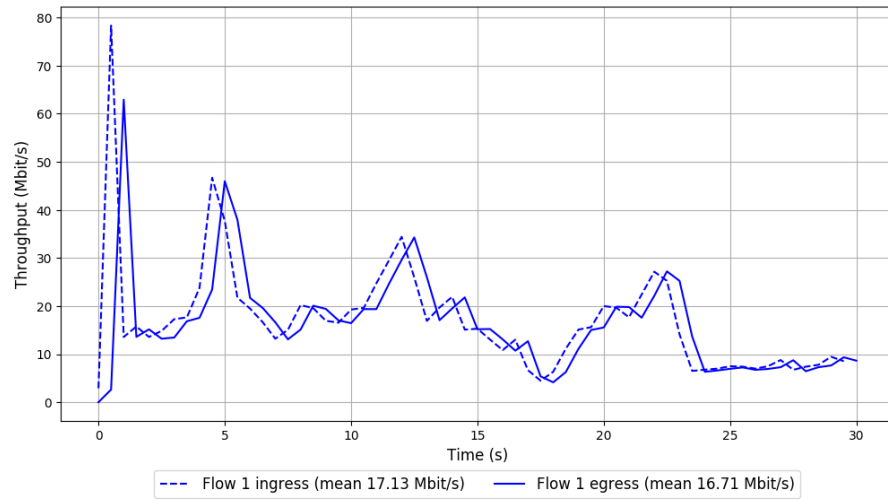


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-24 08:45:16
End at: 2018-07-24 08:45:46
Local clock offset: -0.565 ms
Remote clock offset: -7.544 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.71 Mbit/s
95th percentile per-packet one-way delay: 11.192 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 16.71 Mbit/s
95th percentile per-packet one-way delay: 11.192 ms
Loss rate: 2.46%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-24 09:05:03

End at: 2018-07-24 09:05:33

Local clock offset: 0.375 ms

Remote clock offset: -8.268 ms

Below is generated by plot.py at 2018-07-24 10:16:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.61 Mbit/s

95th percentile per-packet one-way delay: 10.081 ms

Loss rate: 0.19%

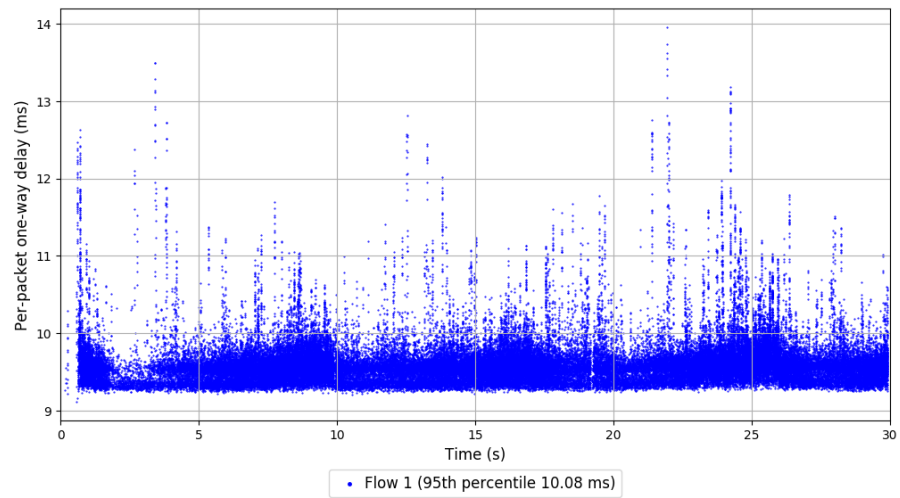
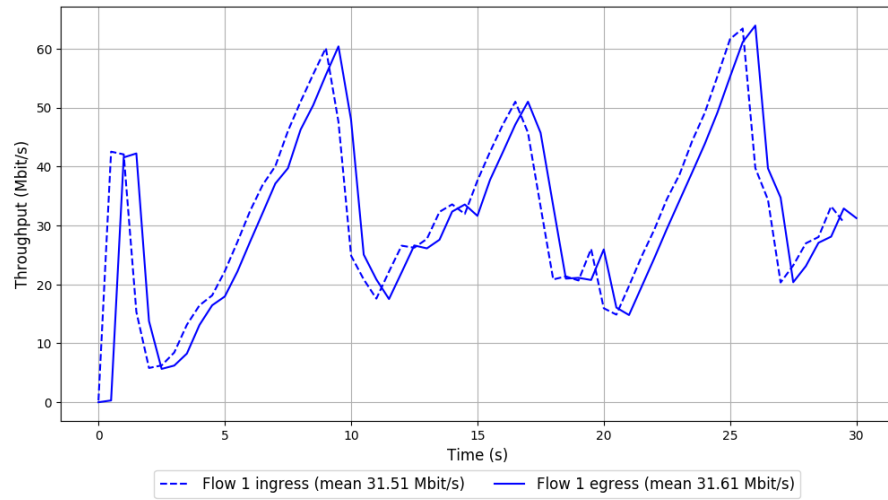
-- Flow 1:

Average throughput: 31.61 Mbit/s

95th percentile per-packet one-way delay: 10.081 ms

Loss rate: 0.19%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-24 09:24:41

End at: 2018-07-24 09:25:11

Local clock offset: 1.451 ms

Remote clock offset: -2.184 ms

Below is generated by plot.py at 2018-07-24 10:16:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.52 Mbit/s

95th percentile per-packet one-way delay: 27.864 ms

Loss rate: 2.16%

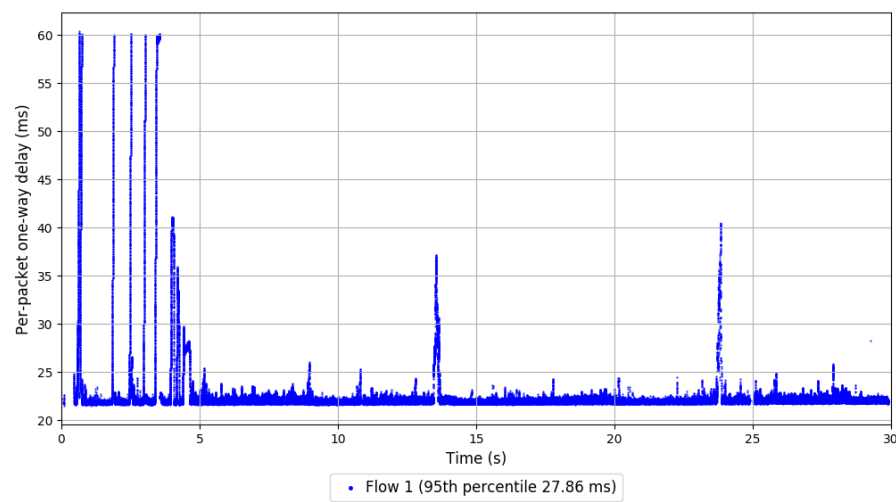
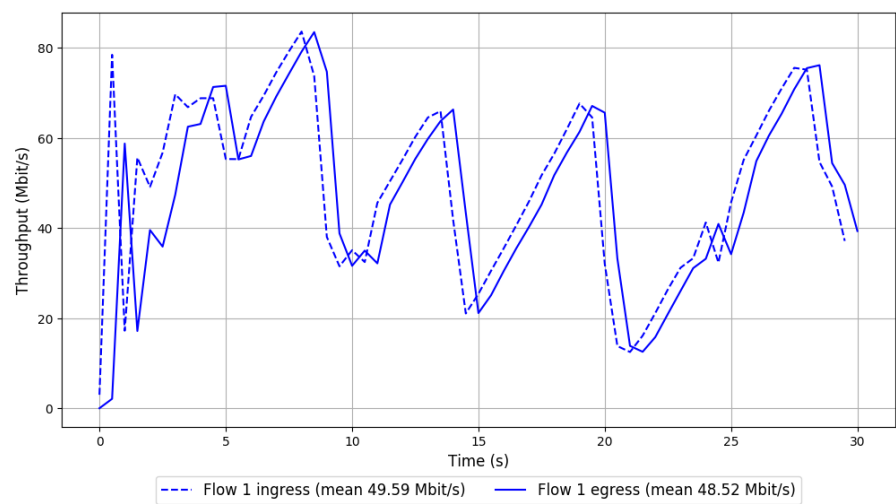
-- Flow 1:

Average throughput: 48.52 Mbit/s

95th percentile per-packet one-way delay: 27.864 ms

Loss rate: 2.16%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-24 09:44:51

End at: 2018-07-24 09:45:21

Local clock offset: 0.309 ms

Remote clock offset: 15.53 ms

Below is generated by plot.py at 2018-07-24 10:16:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.04 Mbit/s

95th percentile per-packet one-way delay: 57.403 ms

Loss rate: 10.40%

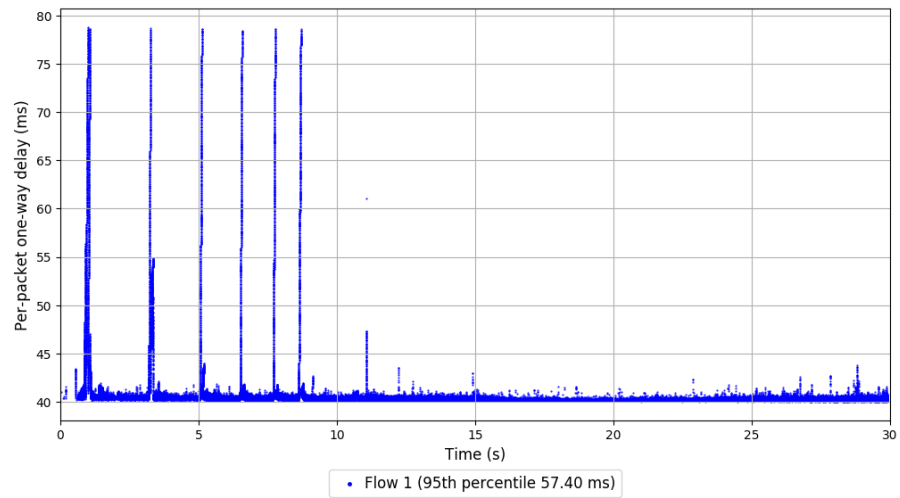
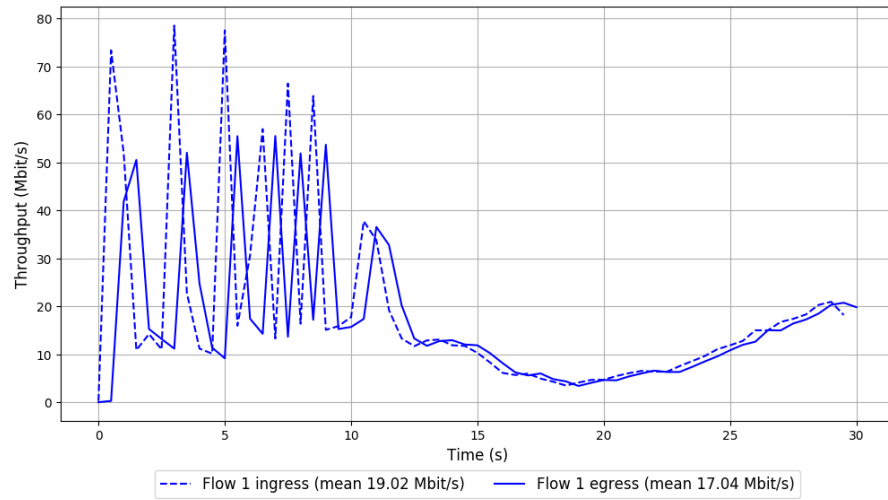
-- Flow 1:

Average throughput: 17.04 Mbit/s

95th percentile per-packet one-way delay: 57.403 ms

Loss rate: 10.40%

Run 10: Report of QUIC Cubic — Data Link

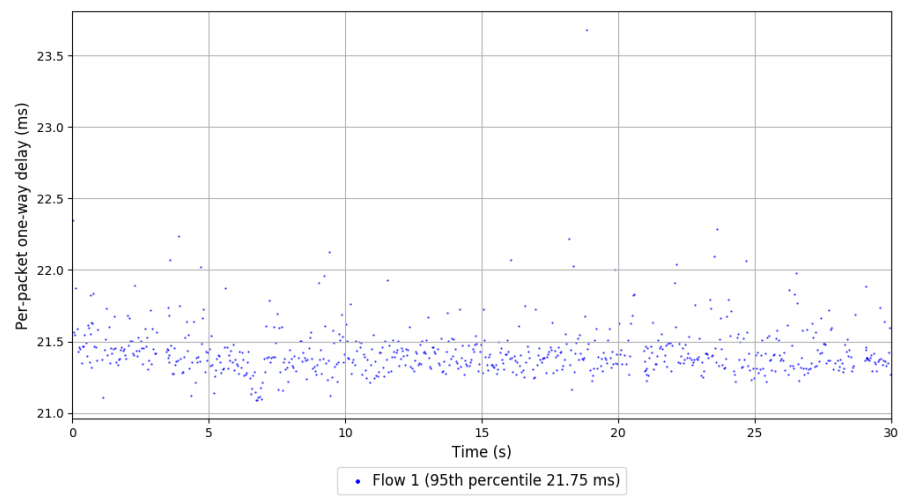
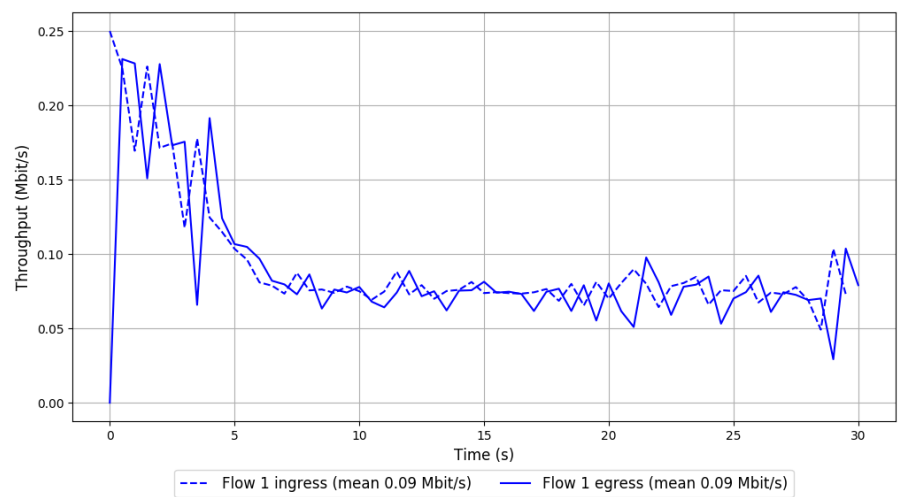


```
Run 1: Statistics of SCReAM

Start at: 2018-07-24 06:55:58
End at: 2018-07-24 06:56:28
Local clock offset: -2.989 ms
Remote clock offset: 2.441 ms

# Below is generated by plot.py at 2018-07-24 10:16:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 21.747 ms
Loss rate: 4.00%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 21.747 ms
Loss rate: 4.00%
```


Run 1: Report of SReAM — Data Link

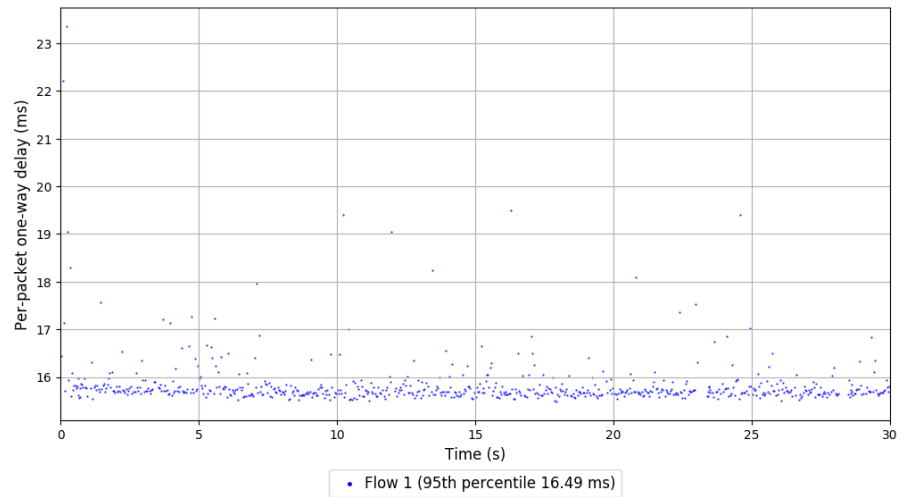
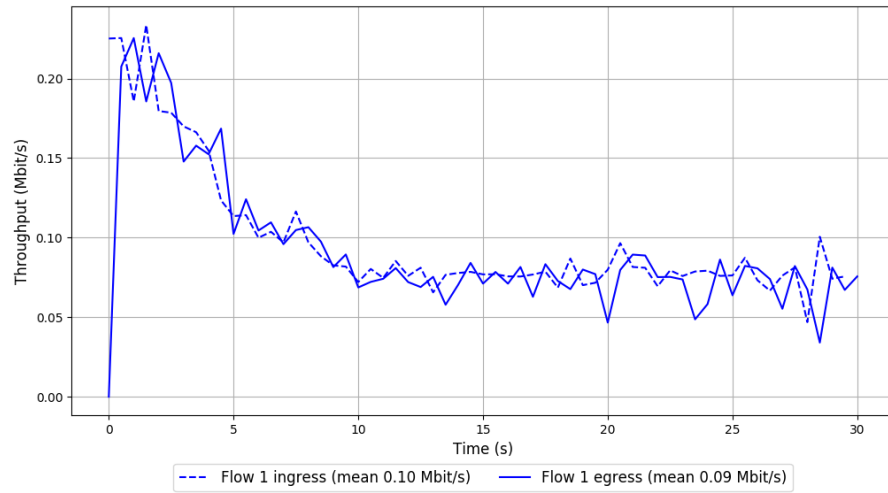


Run 2: Statistics of SCReAM

Start at: 2018-07-24 07:15:48
End at: 2018-07-24 07:16:18
Local clock offset: -0.831 ms
Remote clock offset: -3.223 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 16.491 ms
Loss rate: 4.87%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 16.491 ms
Loss rate: 4.87%

Run 2: Report of SReAM — Data Link

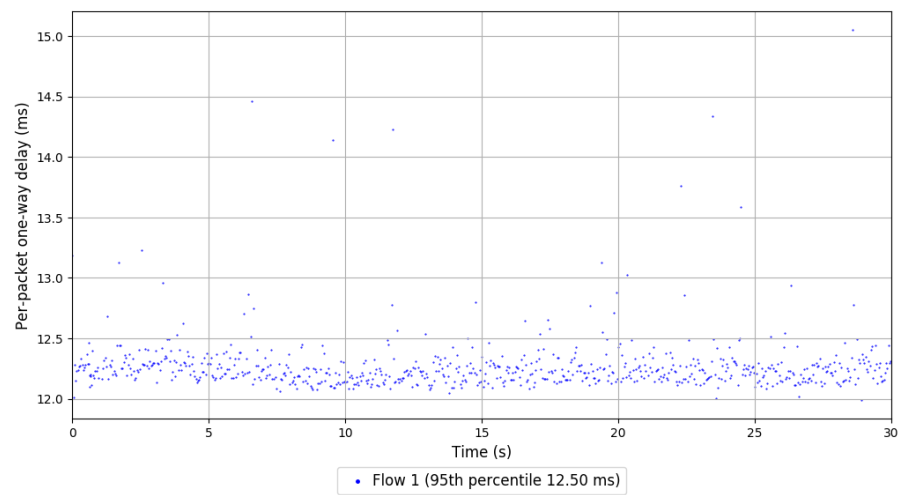
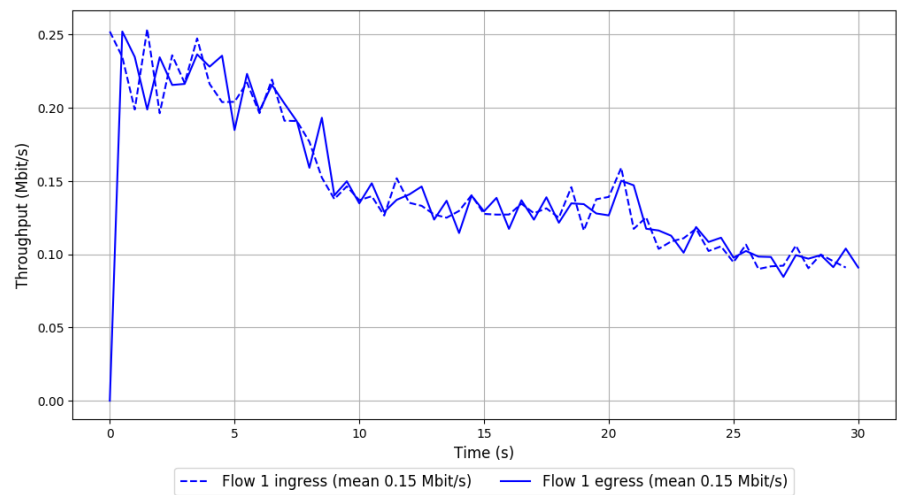


Run 3: Statistics of SCReAM

Start at: 2018-07-24 07:35:36
End at: 2018-07-24 07:36:06
Local clock offset: -2.622 ms
Remote clock offset: -12.665 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 12.503 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 12.503 ms
Loss rate: 0.50%

Run 3: Report of SReAM — Data Link

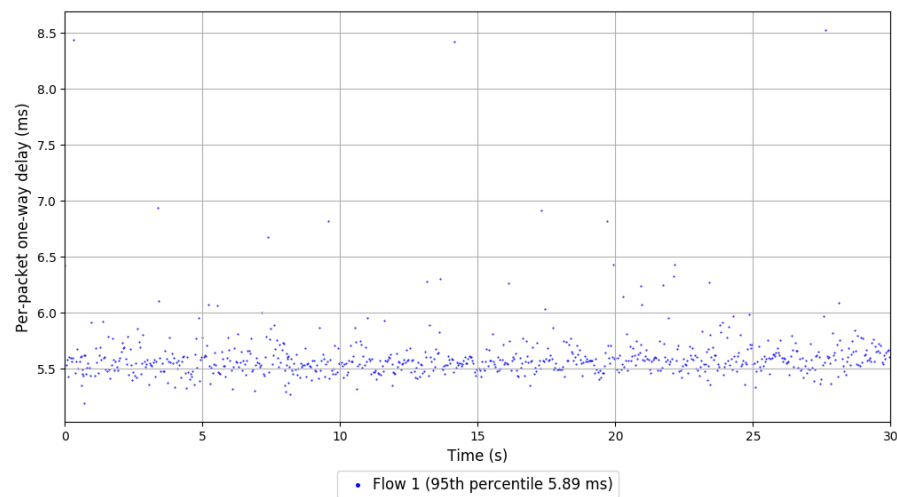
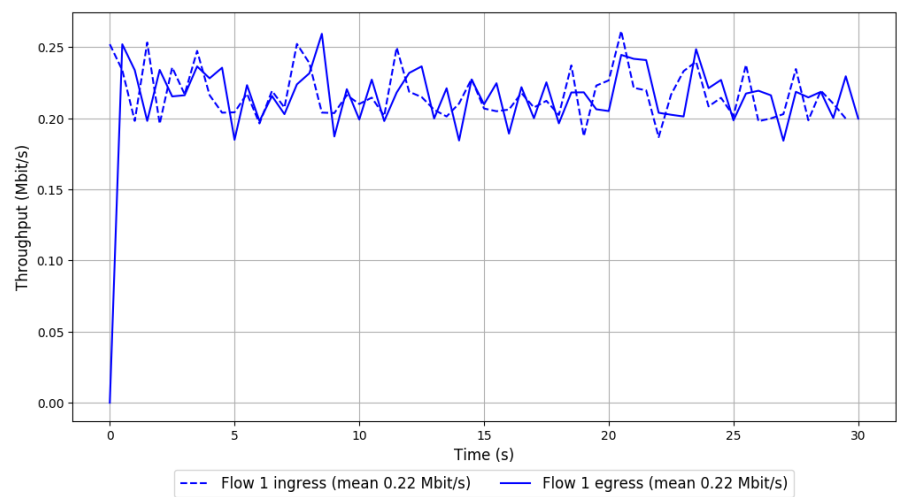


Run 4: Statistics of SCReAM

Start at: 2018-07-24 07:56:01
End at: 2018-07-24 07:56:31
Local clock offset: 2.762 ms
Remote clock offset: -15.966 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 5.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 5.886 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

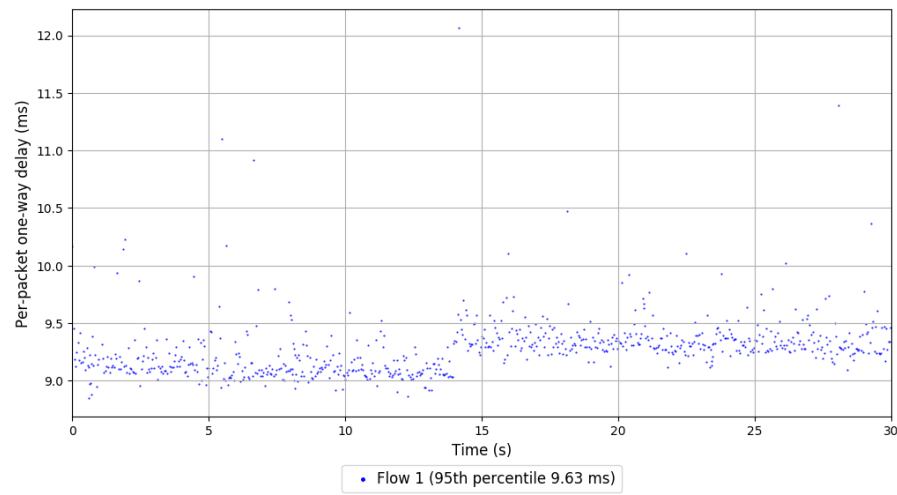
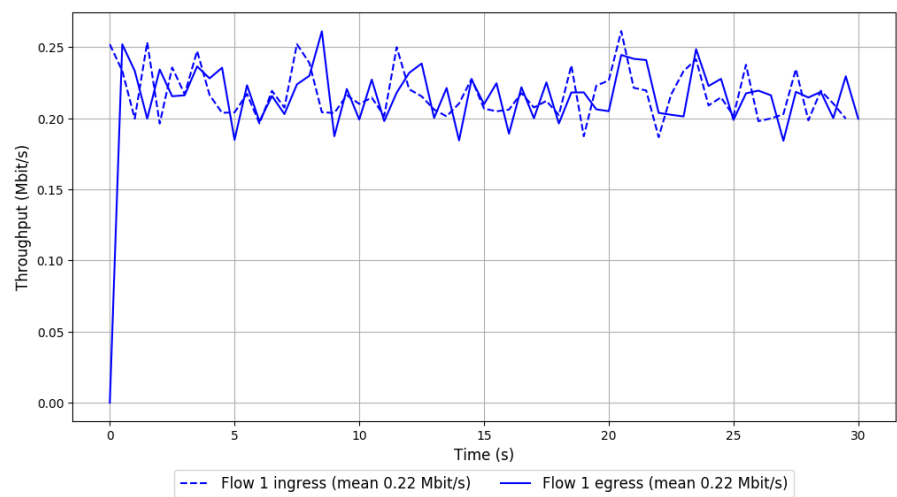


Run 5: Statistics of SCReAM

Start at: 2018-07-24 08:16:09
End at: 2018-07-24 08:16:39
Local clock offset: 1.481 ms
Remote clock offset: -6.529 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.631 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.631 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

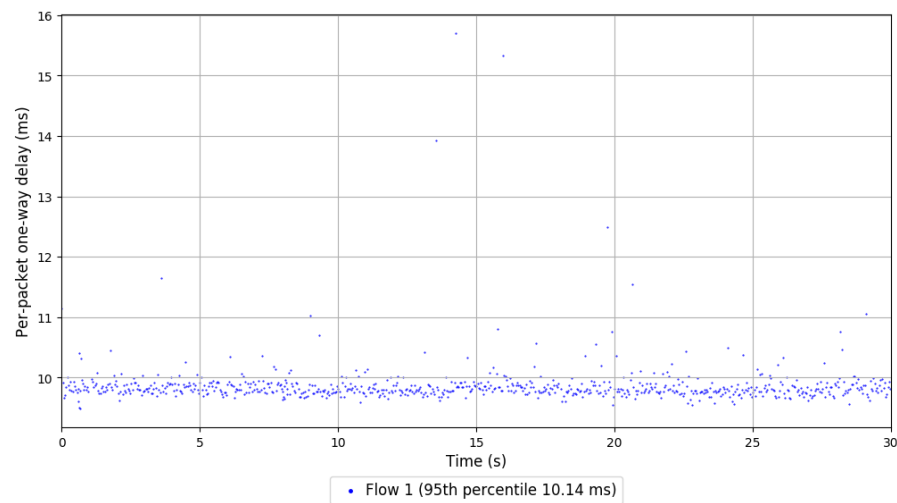
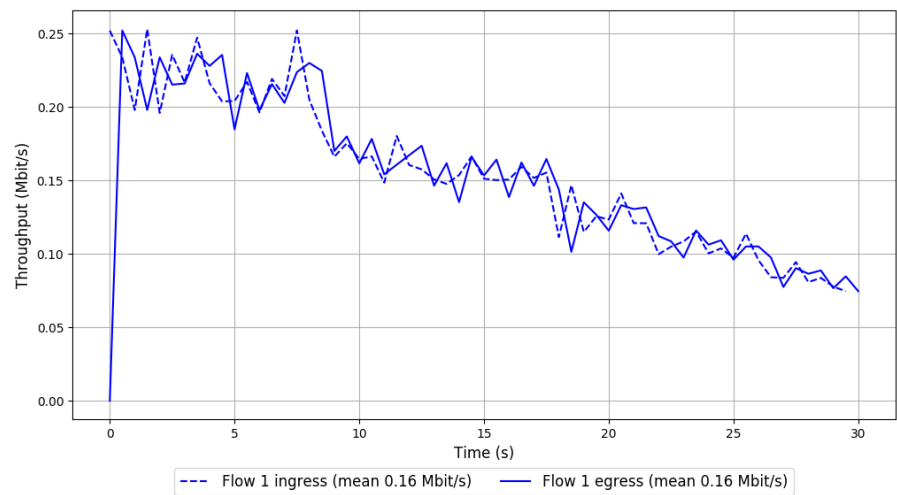


Run 6: Statistics of SCReAM

Start at: 2018-07-24 08:36:10
End at: 2018-07-24 08:36:40
Local clock offset: 1.723 ms
Remote clock offset: -4.395 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 10.136 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 10.136 ms
Loss rate: 0.33%

Run 6: Report of SReAM — Data Link

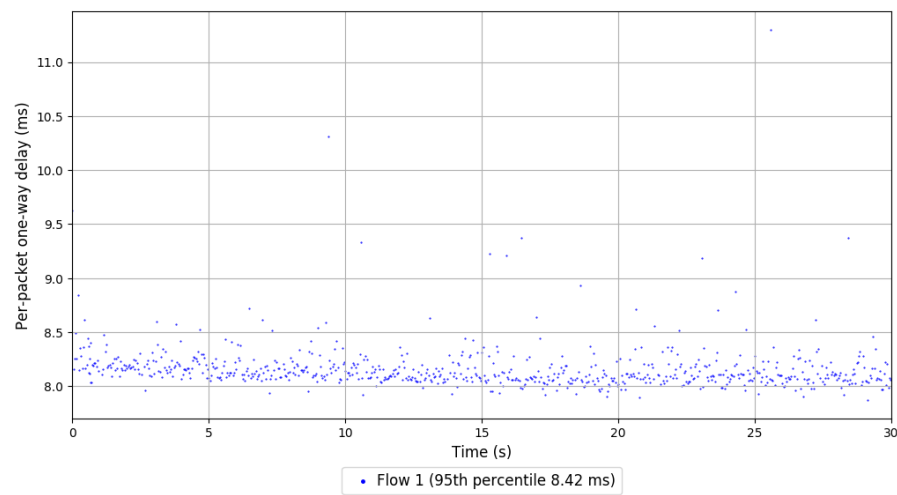
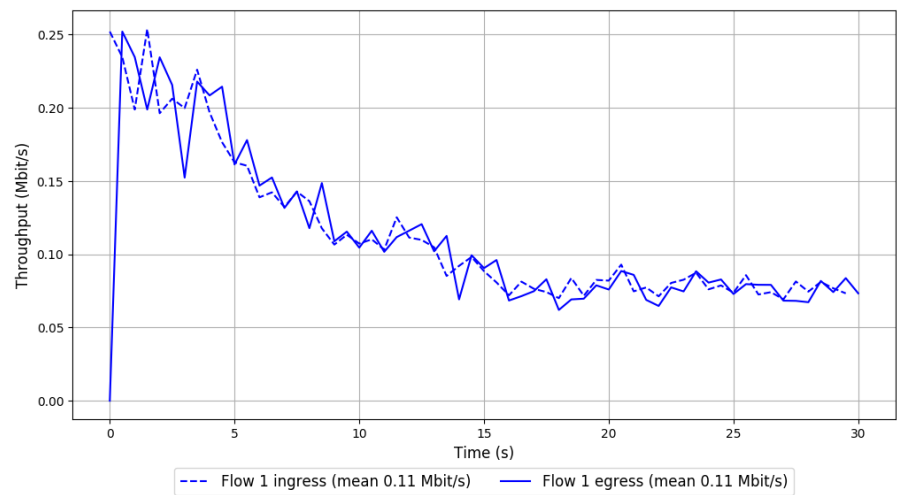


Run 7: Statistics of SReAM

Start at: 2018-07-24 08:55:59
End at: 2018-07-24 08:56:29
Local clock offset: 1.486 ms
Remote clock offset: -8.283 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 8.422 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 8.422 ms
Loss rate: 1.79%

Run 7: Report of SReAM — Data Link

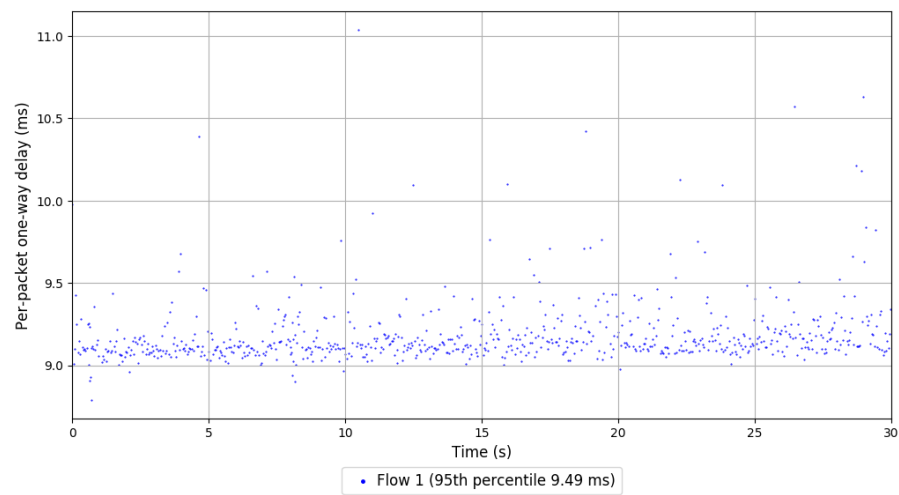
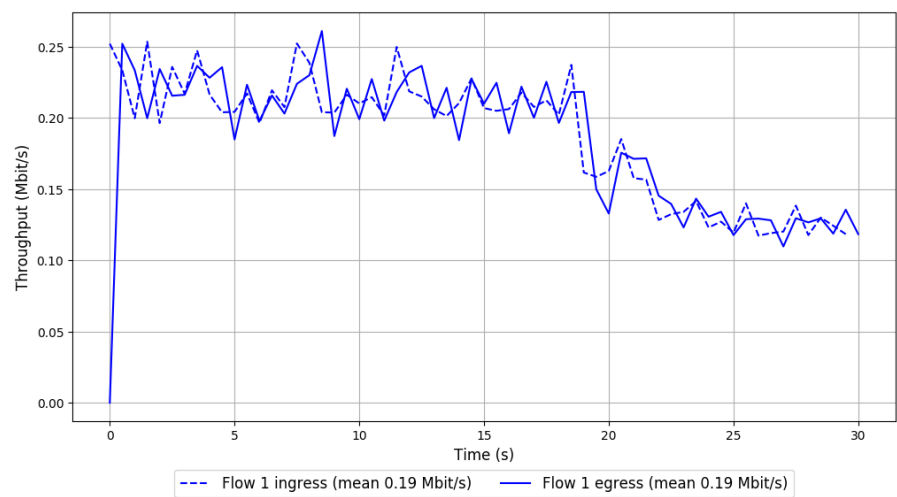


Run 8: Statistics of SCReAM

Start at: 2018-07-24 09:15:41
End at: 2018-07-24 09:16:11
Local clock offset: 1.535 ms
Remote clock offset: -13.462 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 9.489 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 9.489 ms
Loss rate: 0.39%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-24 09:35:41

End at: 2018-07-24 09:36:11

Local clock offset: -0.334 ms

Remote clock offset: -3.49 ms

Below is generated by plot.py at 2018-07-24 10:16:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 24.758 ms

Loss rate: 0.00%

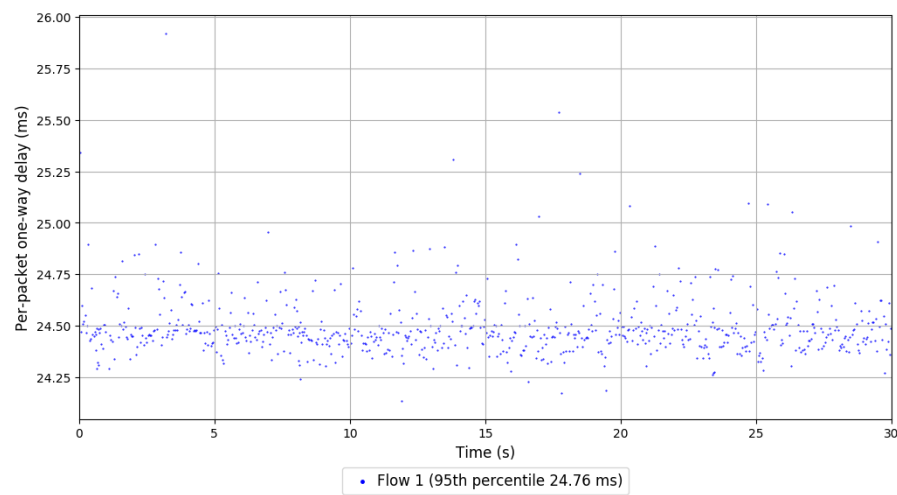
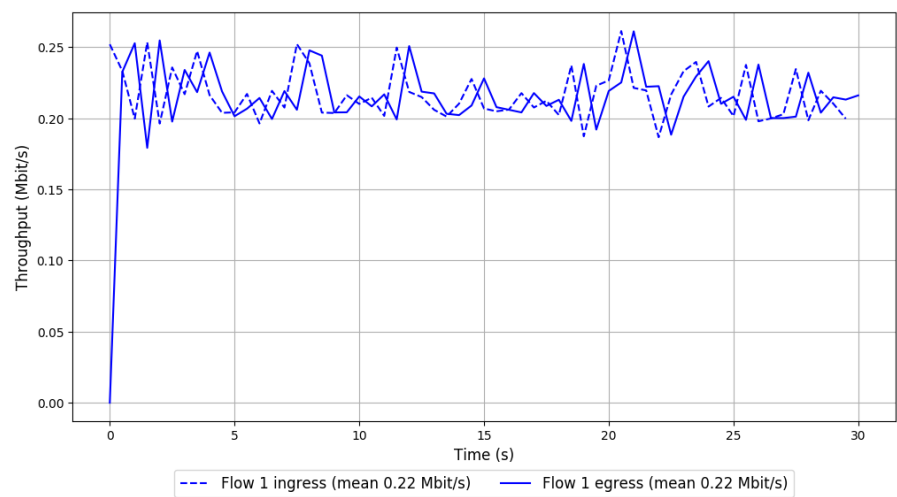
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 24.758 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-07-24 09:55:32

End at: 2018-07-24 09:56:02

Local clock offset: 0.683 ms

Remote clock offset: -0.281 ms

Below is generated by plot.py at 2018-07-24 10:16:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 22.185 ms

Loss rate: 0.13%

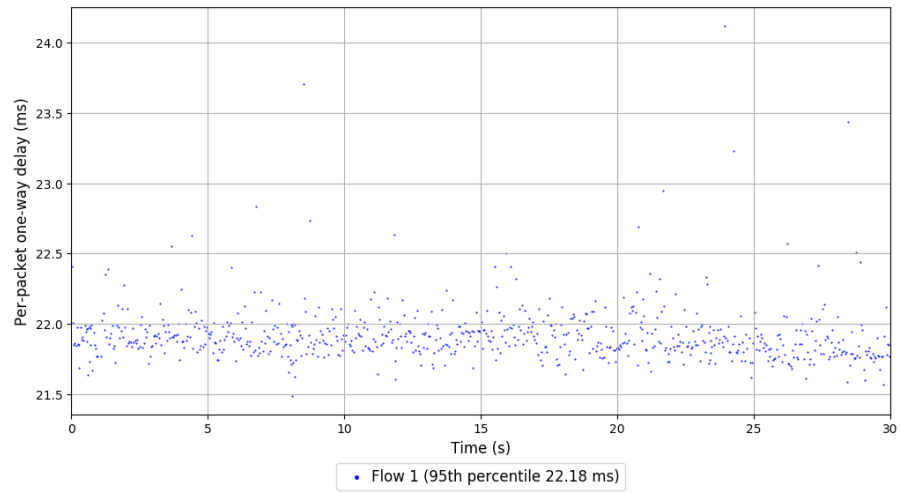
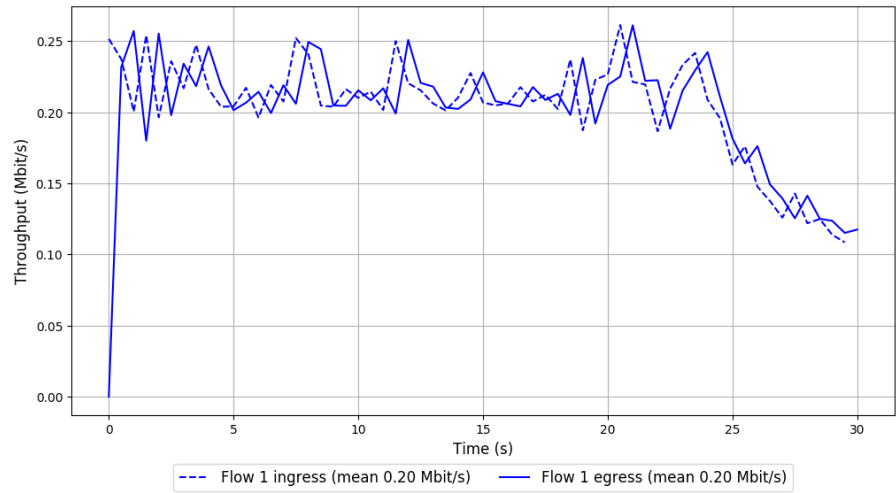
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 22.185 ms

Loss rate: 0.13%

Run 10: Report of SReAM — Data Link

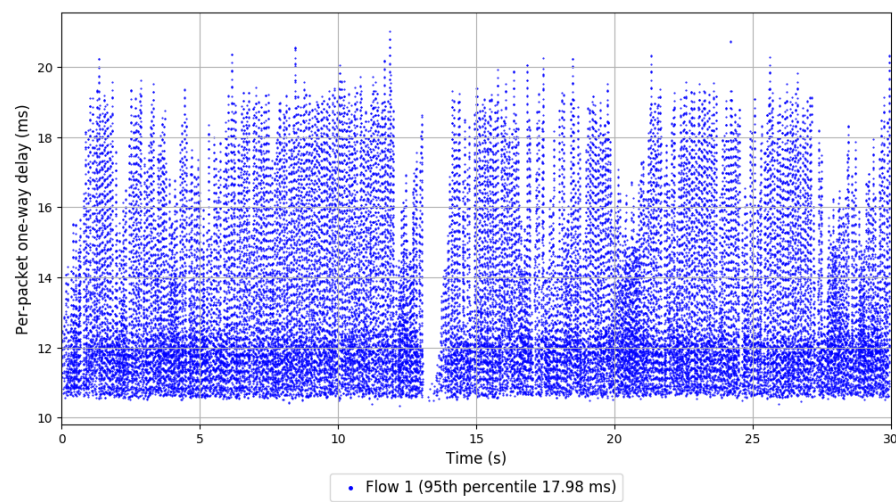
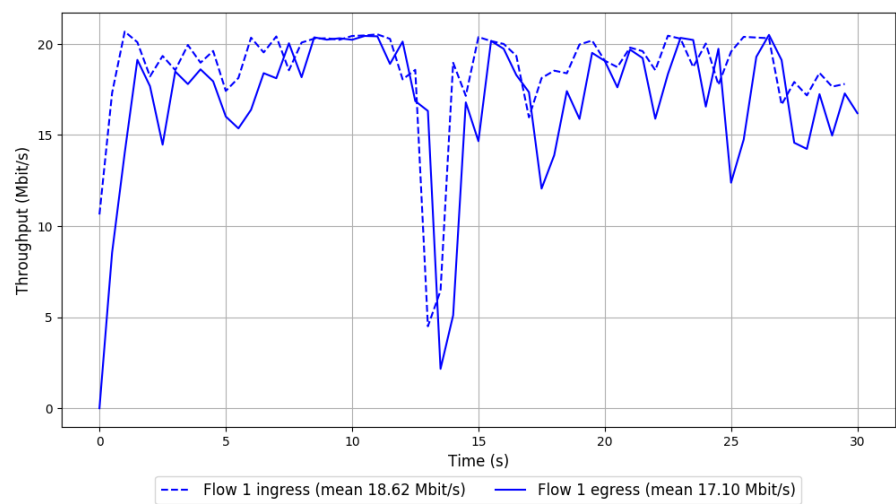


Run 1: Statistics of Sprout

Start at: 2018-07-24 06:50:03
End at: 2018-07-24 06:50:33
Local clock offset: -2.626 ms
Remote clock offset: -7.673 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.10 Mbit/s
95th percentile per-packet one-way delay: 17.980 ms
Loss rate: 8.15%
-- Flow 1:
Average throughput: 17.10 Mbit/s
95th percentile per-packet one-way delay: 17.980 ms
Loss rate: 8.15%

Run 1: Report of Sprout — Data Link

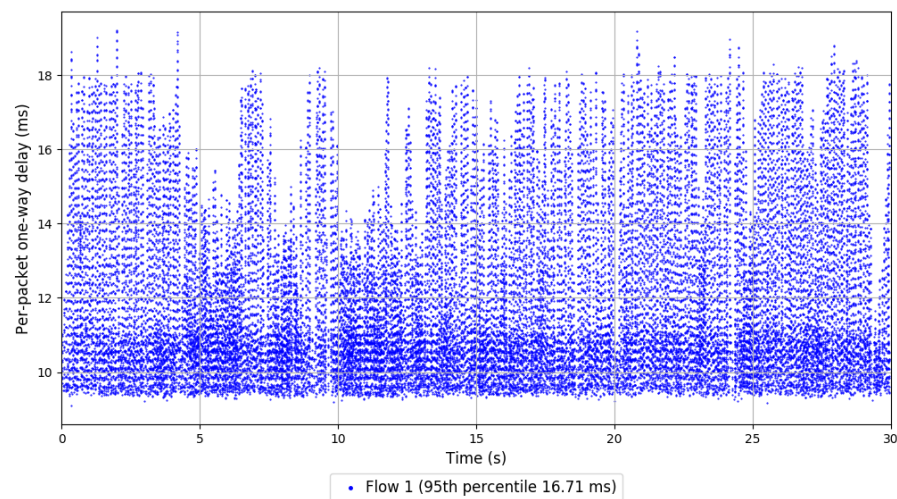
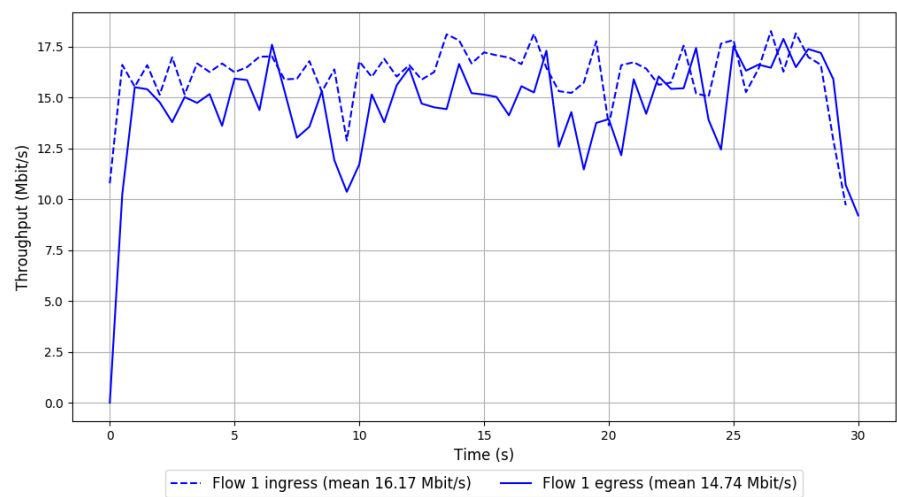


Run 2: Statistics of Sprout

Start at: 2018-07-24 07:09:42
End at: 2018-07-24 07:10:12
Local clock offset: 0.09 ms
Remote clock offset: -8.301 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 16.714 ms
Loss rate: 8.84%
-- Flow 1:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 16.714 ms
Loss rate: 8.84%

Run 2: Report of Sprout — Data Link

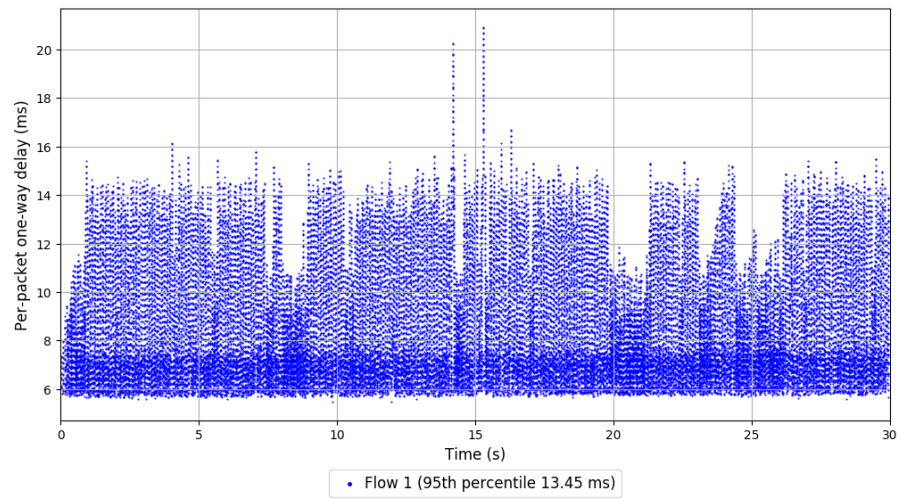
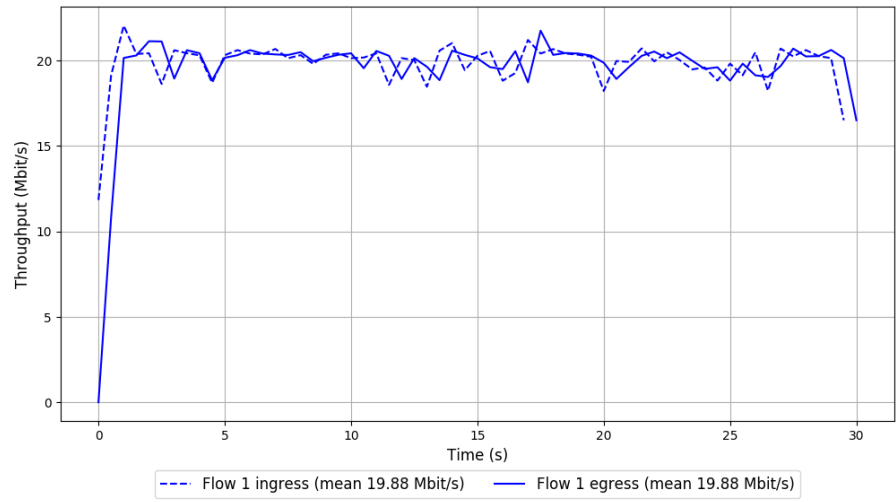


Run 3: Statistics of Sprout

Start at: 2018-07-24 07:29:41
End at: 2018-07-24 07:30:11
Local clock offset: 2.089 ms
Remote clock offset: -12.014 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.88 Mbit/s
95th percentile per-packet one-way delay: 13.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 19.88 Mbit/s
95th percentile per-packet one-way delay: 13.453 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

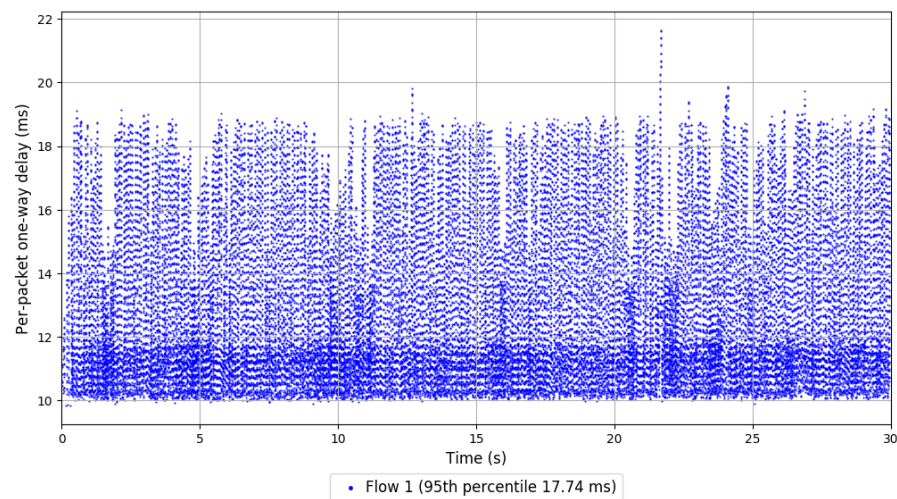
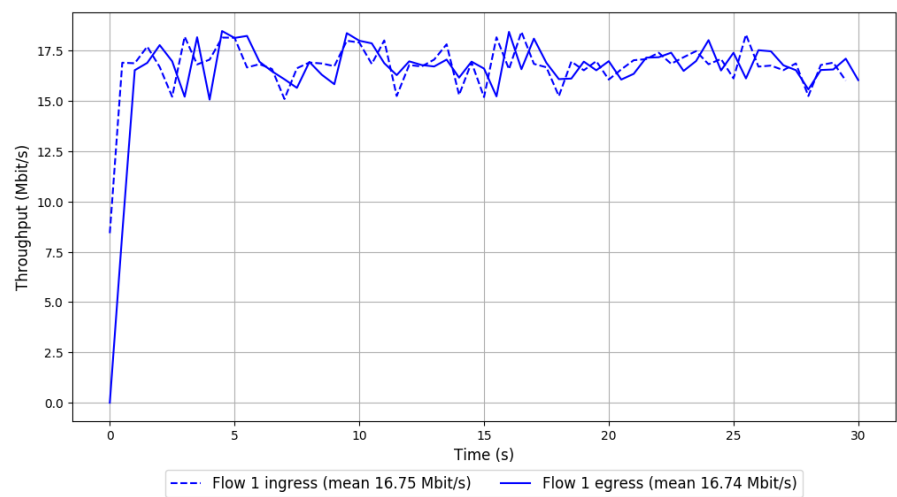


Run 4: Statistics of Sprout

Start at: 2018-07-24 07:49:32
End at: 2018-07-24 07:50:02
Local clock offset: 0.728 ms
Remote clock offset: -13.552 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.74 Mbit/s
95th percentile per-packet one-way delay: 17.744 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.74 Mbit/s
95th percentile per-packet one-way delay: 17.744 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

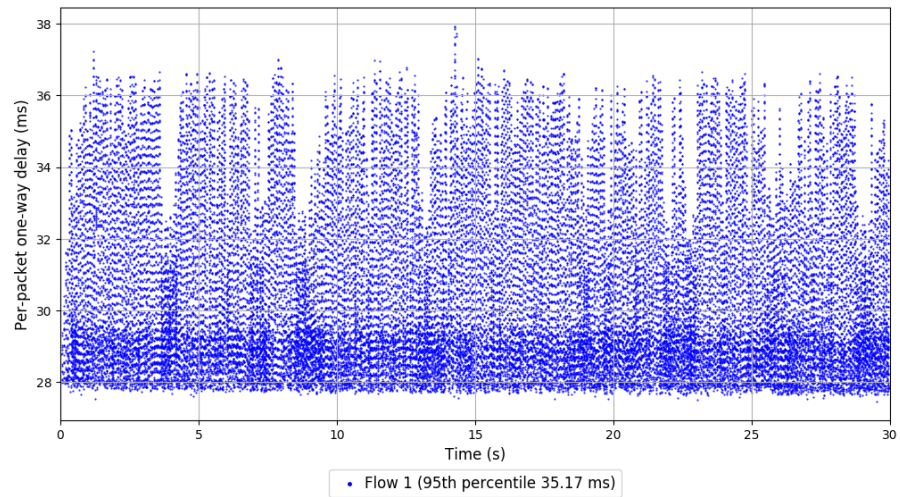
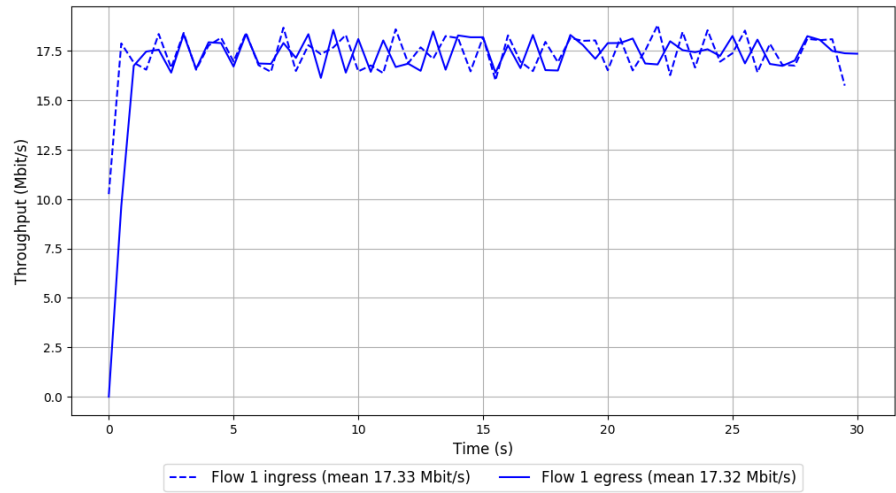


Run 5: Statistics of Sprout

Start at: 2018-07-24 08:10:18
End at: 2018-07-24 08:10:48
Local clock offset: 0.329 ms
Remote clock offset: 10.522 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.32 Mbit/s
95th percentile per-packet one-way delay: 35.169 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 17.32 Mbit/s
95th percentile per-packet one-way delay: 35.169 ms
Loss rate: 0.09%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-24 08:30:13

End at: 2018-07-24 08:30:43

Local clock offset: 4.715 ms

Remote clock offset: -4.82 ms

Below is generated by plot.py at 2018-07-24 10:16:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.30 Mbit/s

95th percentile per-packet one-way delay: 12.687 ms

Loss rate: 0.27%

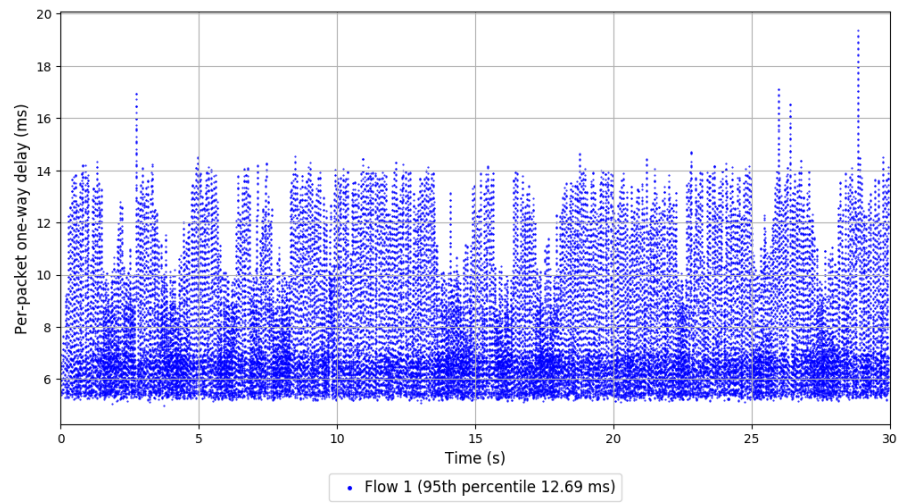
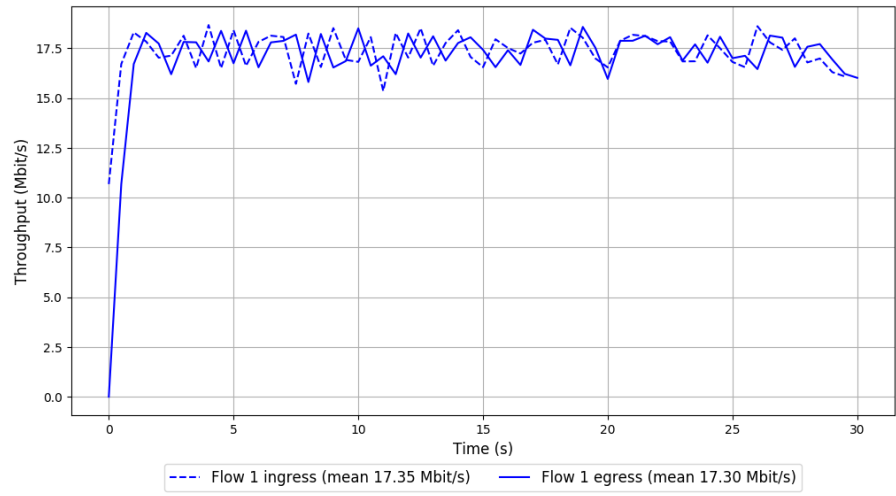
-- Flow 1:

Average throughput: 17.30 Mbit/s

95th percentile per-packet one-way delay: 12.687 ms

Loss rate: 0.27%

Run 6: Report of Sprout — Data Link

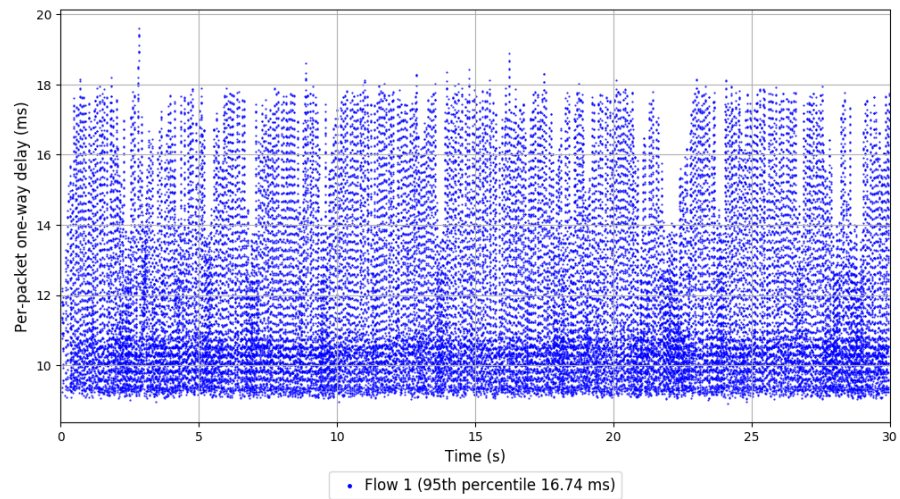
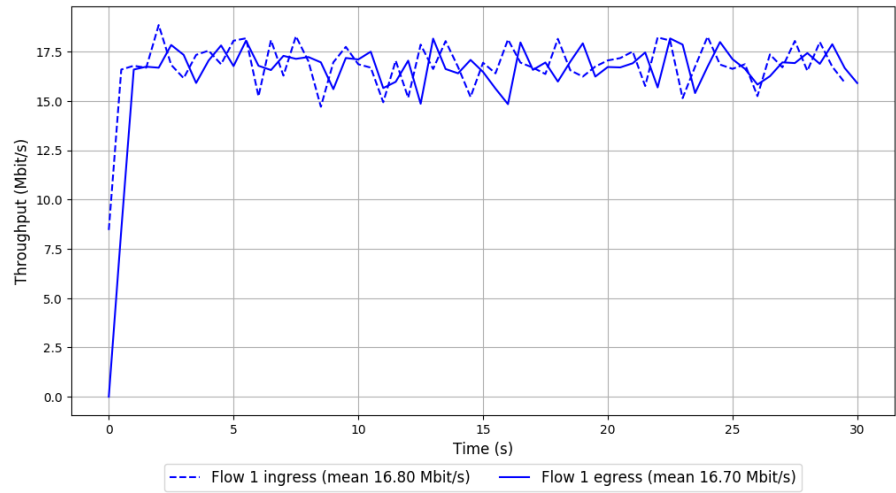


Run 7: Statistics of Sprout

Start at: 2018-07-24 08:50:03
End at: 2018-07-24 08:50:33
Local clock offset: 1.633 ms
Remote clock offset: -7.055 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.70 Mbit/s
95th percentile per-packet one-way delay: 16.736 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 16.70 Mbit/s
95th percentile per-packet one-way delay: 16.736 ms
Loss rate: 0.56%

Run 7: Report of Sprout — Data Link

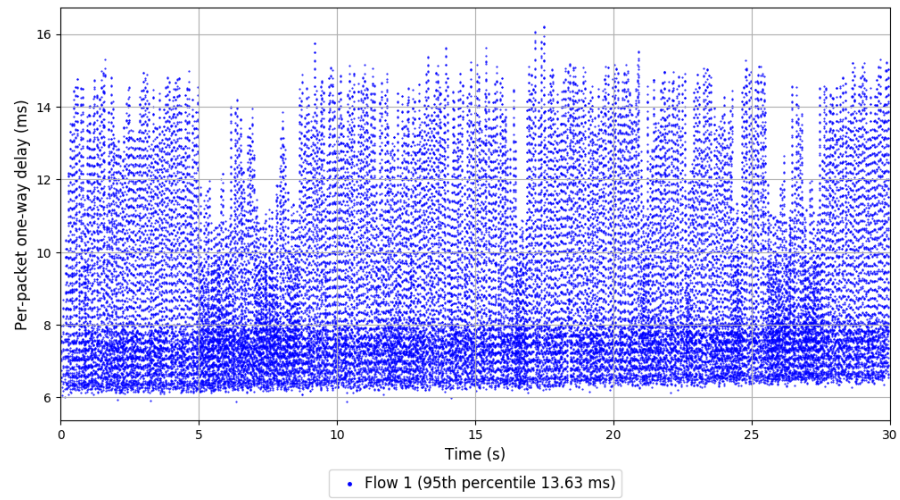
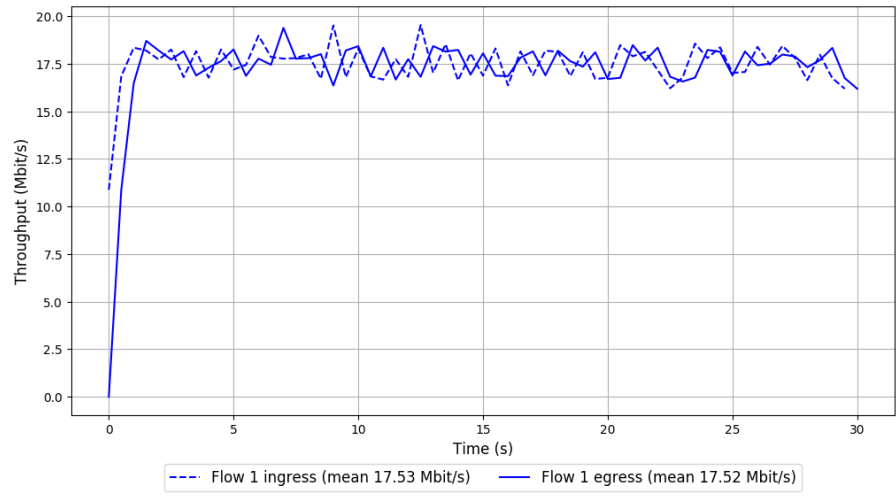


Run 8: Statistics of Sprout

Start at: 2018-07-24 09:09:51
End at: 2018-07-24 09:10:21
Local clock offset: 3.548 ms
Remote clock offset: -10.683 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.52 Mbit/s
95th percentile per-packet one-way delay: 13.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 17.52 Mbit/s
95th percentile per-packet one-way delay: 13.627 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

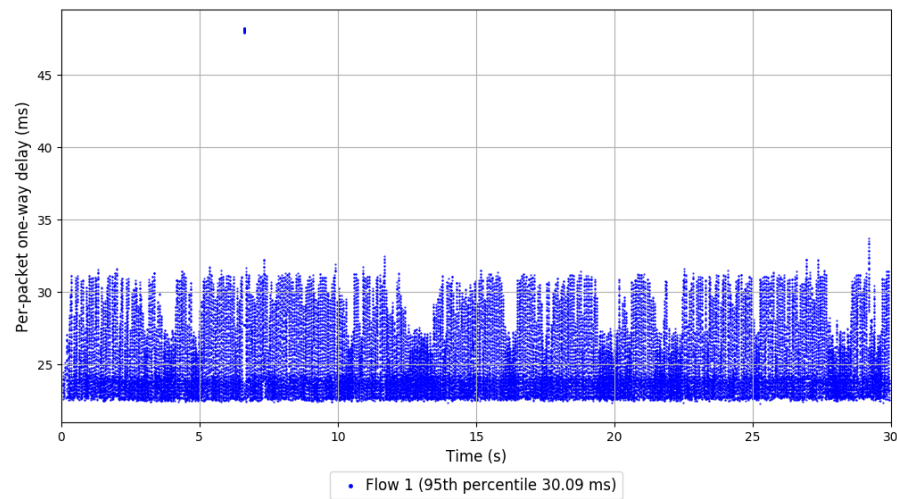
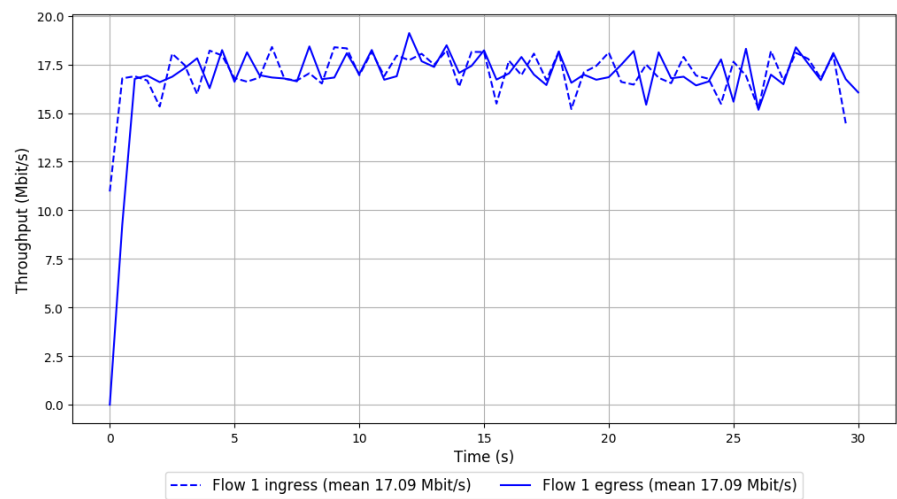


Run 9: Statistics of Sprout

Start at: 2018-07-24 09:29:45
End at: 2018-07-24 09:30:15
Local clock offset: 0.993 ms
Remote clock offset: -3.598 ms

Below is generated by plot.py at 2018-07-24 10:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.09 Mbit/s
95th percentile per-packet one-way delay: 30.087 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 17.09 Mbit/s
95th percentile per-packet one-way delay: 30.087 ms
Loss rate: 0.01%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-24 09:49:40

End at: 2018-07-24 09:50:10

Local clock offset: 1.372 ms

Remote clock offset: -3.587 ms

Below is generated by plot.py at 2018-07-24 10:16:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.93 Mbit/s

95th percentile per-packet one-way delay: 24.786 ms

Loss rate: 0.59%

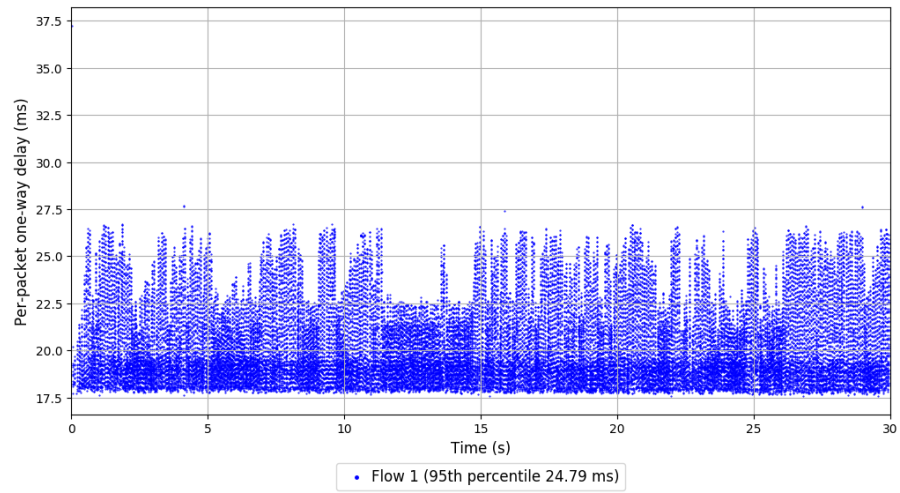
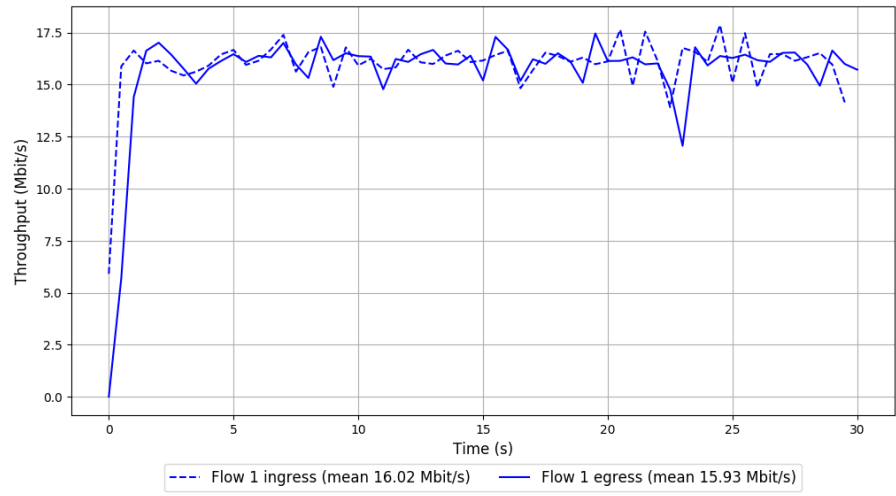
-- Flow 1:

Average throughput: 15.93 Mbit/s

95th percentile per-packet one-way delay: 24.786 ms

Loss rate: 0.59%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-24 06:47:29

End at: 2018-07-24 06:47:59

Local clock offset: 1.123 ms

Remote clock offset: -6.851 ms

Below is generated by plot.py at 2018-07-24 10:18:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.53 Mbit/s

95th percentile per-packet one-way delay: 10.914 ms

Loss rate: 3.58%

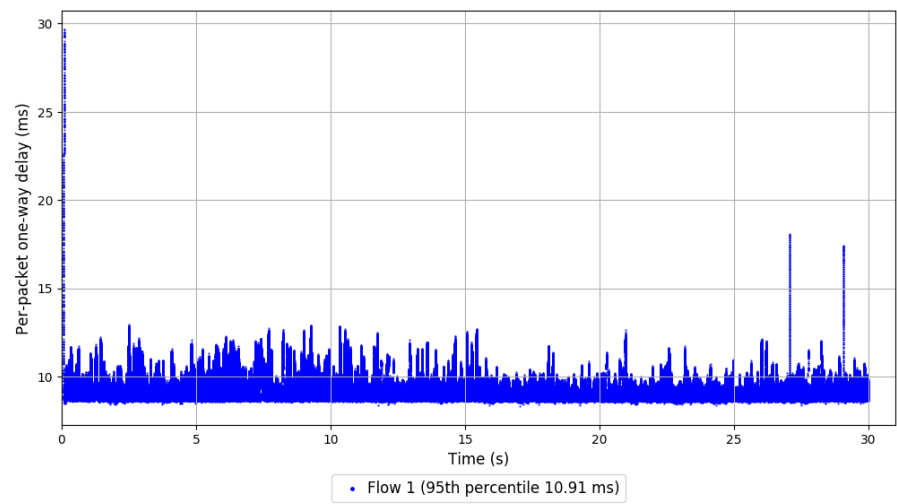
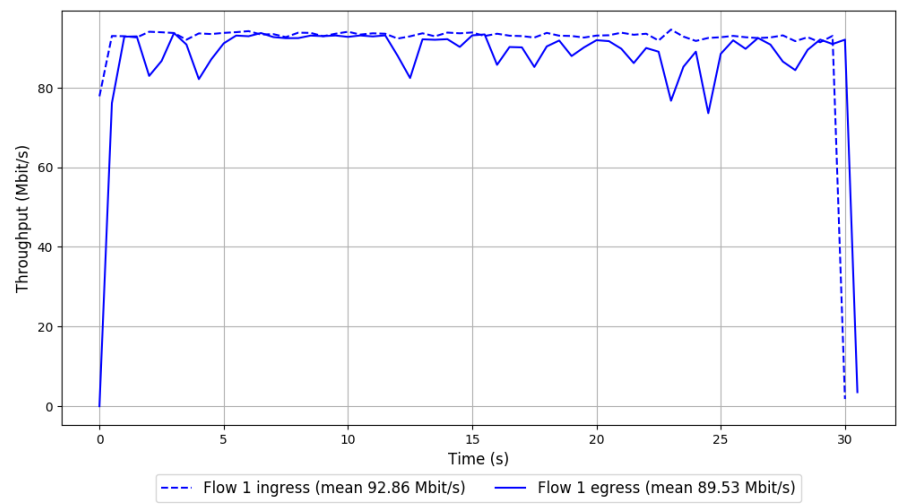
-- Flow 1:

Average throughput: 89.53 Mbit/s

95th percentile per-packet one-way delay: 10.914 ms

Loss rate: 3.58%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-24 07:07:16

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

Local clock offset: 0.124 ms

Remote clock offset: -9.03 ms

Below is generated by plot.py at 2018-07-24 10:18:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.84 Mbit/s

95th percentile per-packet one-way delay: 10.147 ms

Loss rate: 11.96%

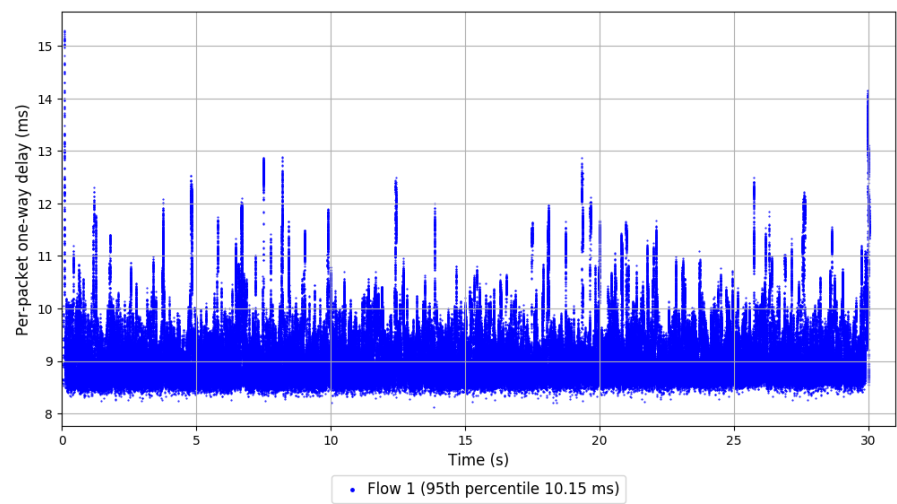
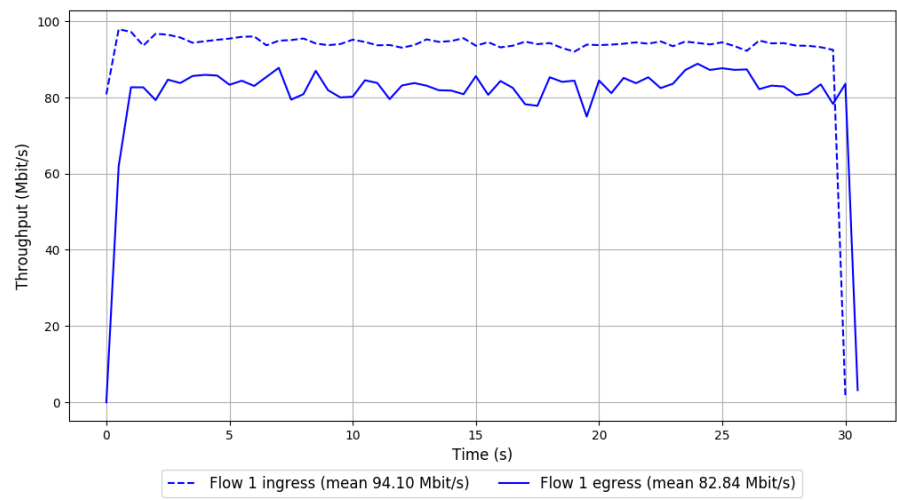
-- Flow 1:

Average throughput: 82.84 Mbit/s

95th percentile per-packet one-way delay: 10.147 ms

Loss rate: 11.96%

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

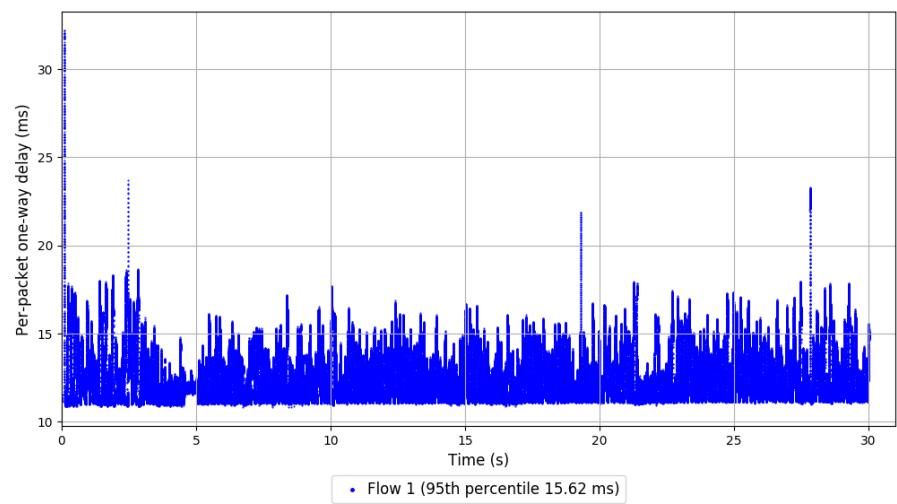
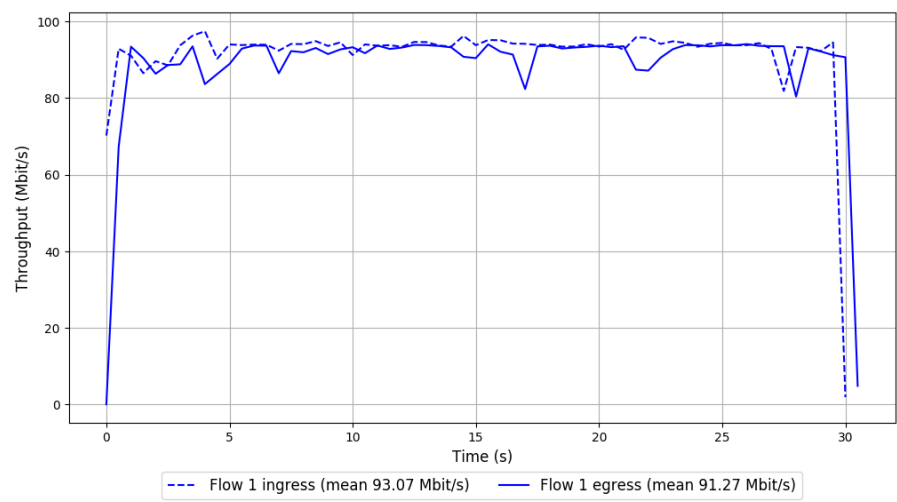


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-24 07:27:11
End at: 2018-07-24 07:27:41
Local clock offset: -0.791 ms
Remote clock offset: -9.783 ms

Below is generated by plot.py at 2018-07-24 10:18:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.27 Mbit/s
95th percentile per-packet one-way delay: 15.618 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 91.27 Mbit/s
95th percentile per-packet one-way delay: 15.618 ms
Loss rate: 1.94%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-24 07:47:01

End at: 2018-07-24 07:47:31

Local clock offset: 1.65 ms

Remote clock offset: -14.501 ms

Below is generated by plot.py at 2018-07-24 10:18:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.69 Mbit/s

95th percentile per-packet one-way delay: 11.585 ms

Loss rate: 4.21%

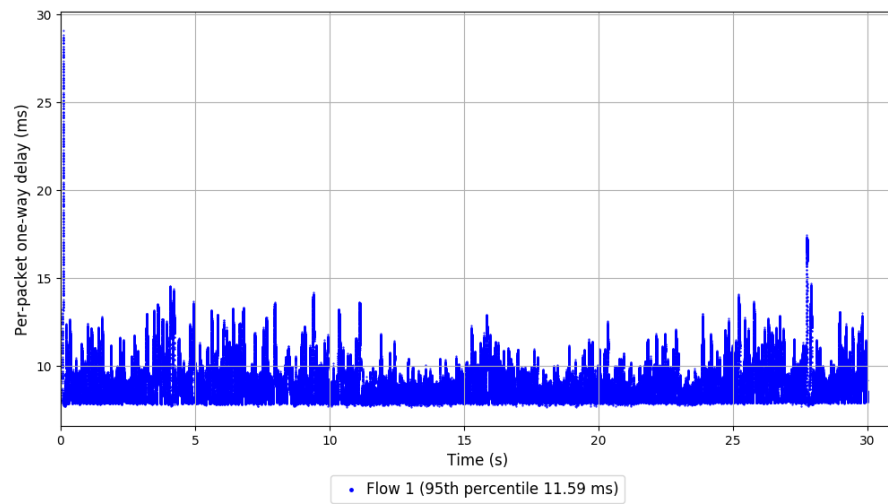
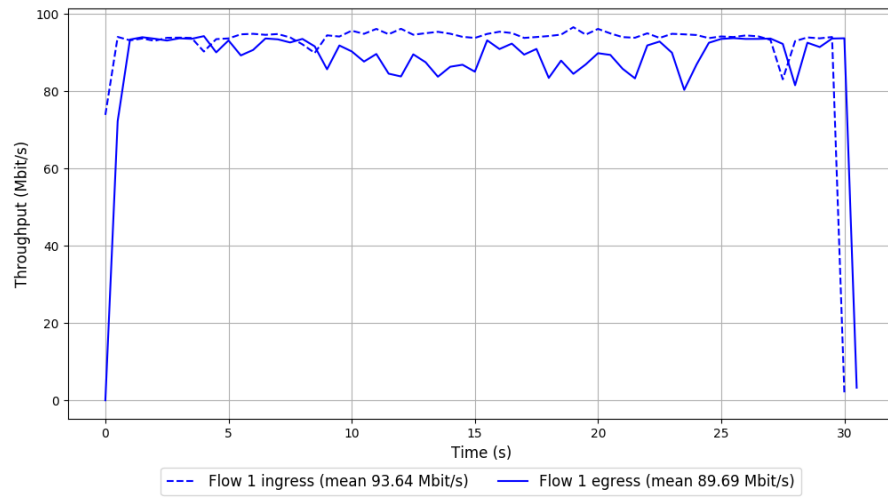
-- Flow 1:

Average throughput: 89.69 Mbit/s

95th percentile per-packet one-way delay: 11.585 ms

Loss rate: 4.21%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-24 08:07:37

End at: 2018-07-24 08:08:07

Local clock offset: 1.226 ms

Remote clock offset: -9.893 ms

Below is generated by plot.py at 2018-07-24 10:18:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.53 Mbit/s

95th percentile per-packet one-way delay: 10.981 ms

Loss rate: 5.84%

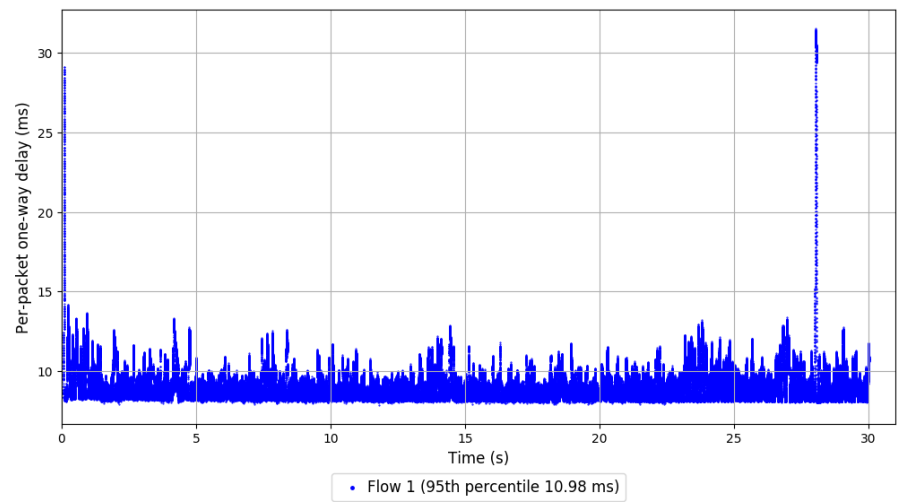
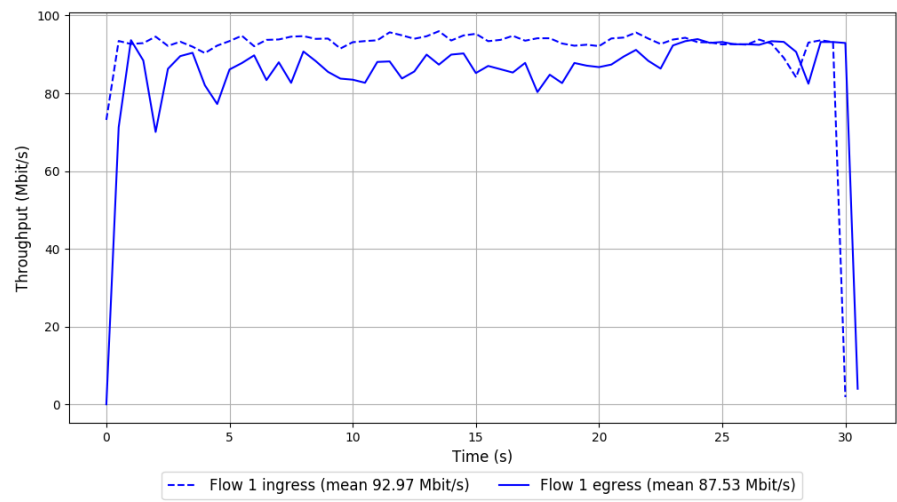
-- Flow 1:

Average throughput: 87.53 Mbit/s

95th percentile per-packet one-way delay: 10.981 ms

Loss rate: 5.84%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-24 08:27:40

End at: 2018-07-24 08:28:10

Local clock offset: 1.317 ms

Remote clock offset: -4.877 ms

Below is generated by plot.py at 2018-07-24 10:18:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.89 Mbit/s

95th percentile per-packet one-way delay: 13.673 ms

Loss rate: 3.99%

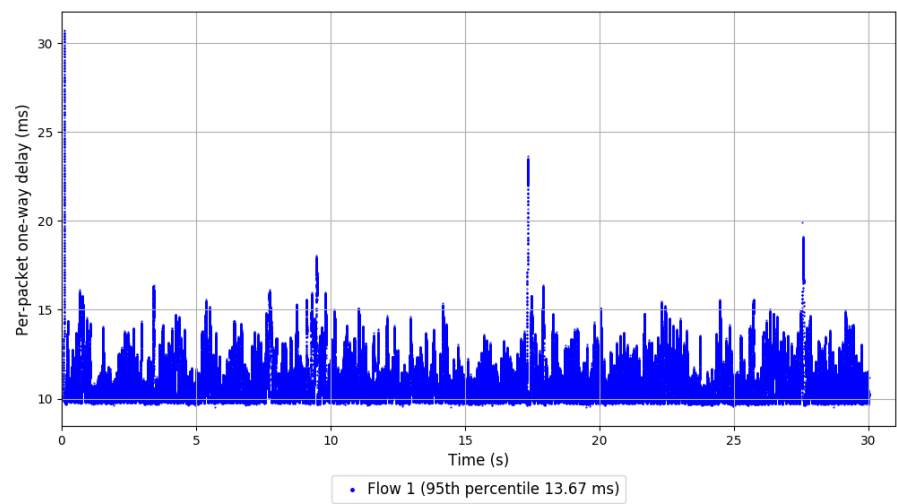
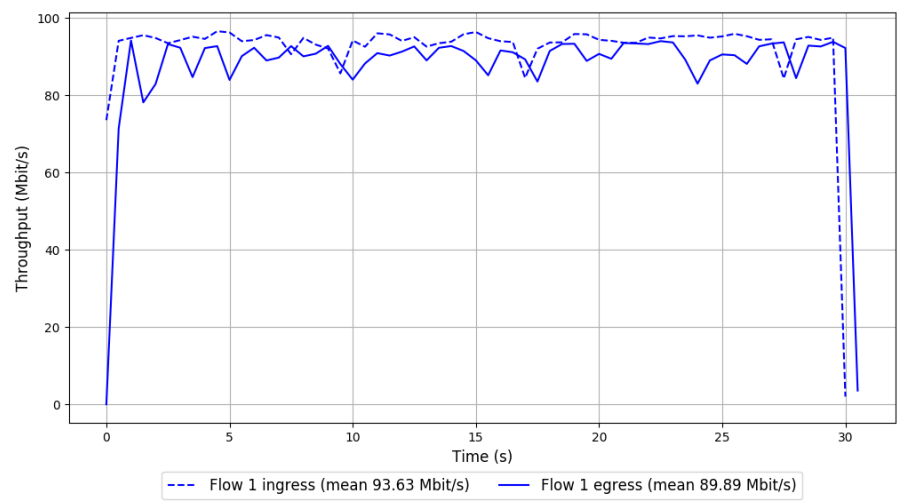
-- Flow 1:

Average throughput: 89.89 Mbit/s

95th percentile per-packet one-way delay: 13.673 ms

Loss rate: 3.99%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-24 08:47:34

End at: 2018-07-24 08:48:04

Local clock offset: 0.346 ms

Remote clock offset: -7.366 ms

Below is generated by plot.py at 2018-07-24 10:18:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.51 Mbit/s

95th percentile per-packet one-way delay: 13.713 ms

Loss rate: 8.75%

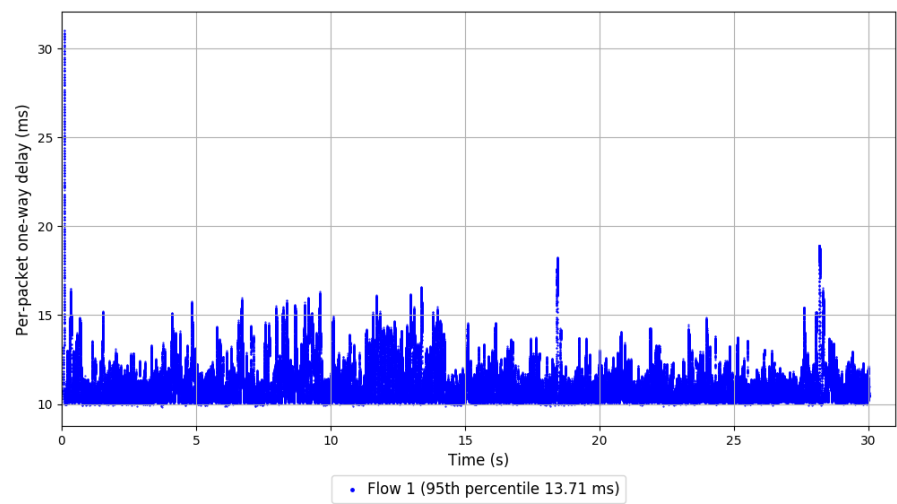
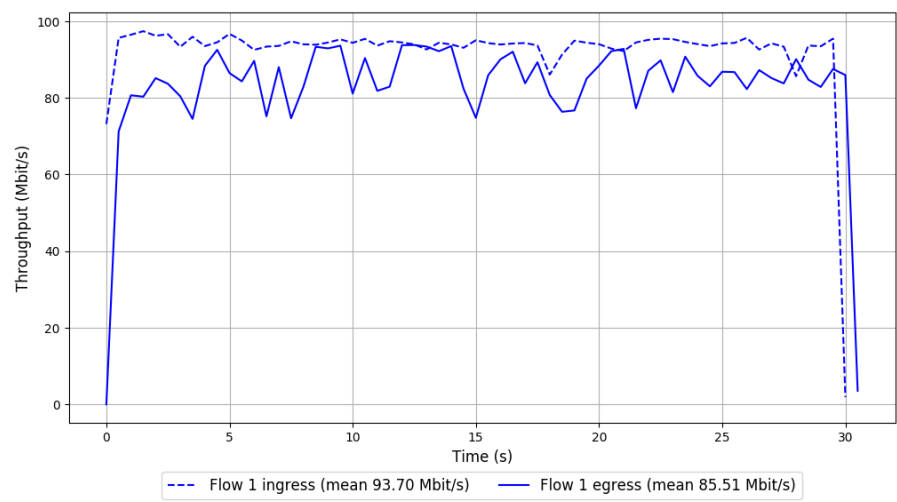
-- Flow 1:

Average throughput: 85.51 Mbit/s

95th percentile per-packet one-way delay: 13.713 ms

Loss rate: 8.75%

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



Run 8: Statistics of TaoVA-100x

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

End at: 2018-07-24 09:07:54

Local clock offset: -0.77 ms

Remote clock offset: -8.915 ms

Below is generated by plot.py at 2018-07-24 10:18:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.36 Mbit/s

95th percentile per-packet one-way delay: 16.145 ms

Loss rate: 0.91%

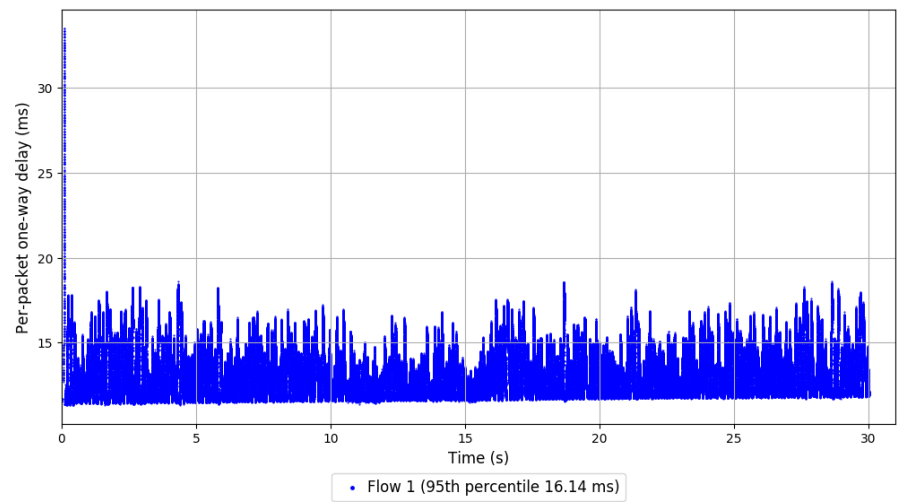
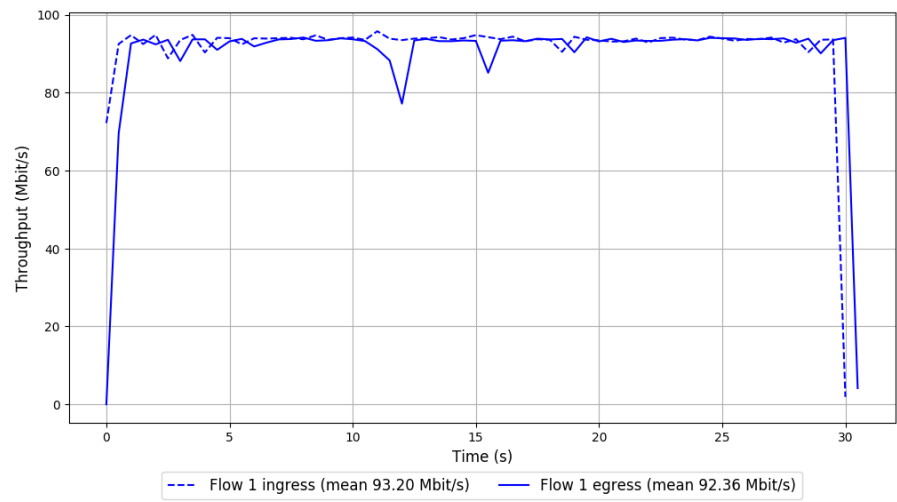
-- Flow 1:

Average throughput: 92.36 Mbit/s

95th percentile per-packet one-way delay: 16.145 ms

Loss rate: 0.91%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-24 09:27:09

End at: 2018-07-24 09:27:39

Local clock offset: 3.325 ms

Remote clock offset: -5.734 ms

Below is generated by plot.py at 2018-07-24 10:20:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.74 Mbit/s

95th percentile per-packet one-way delay: 20.263 ms

Loss rate: 3.55%

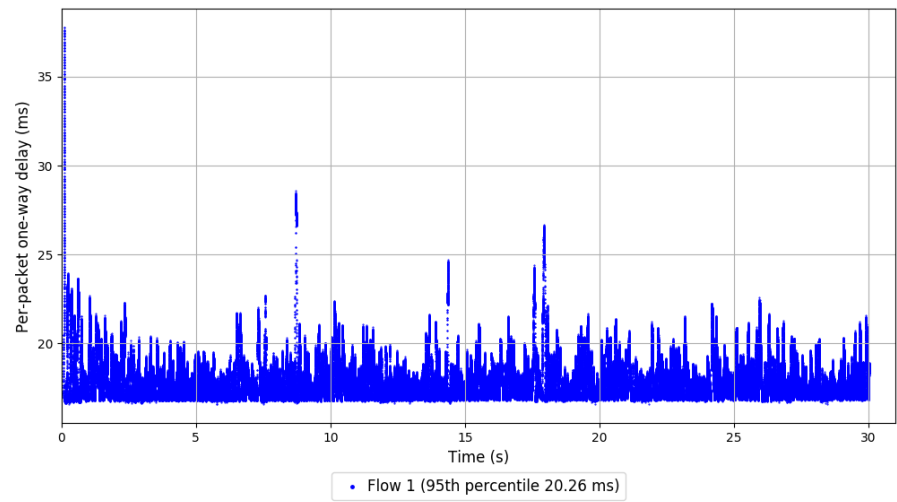
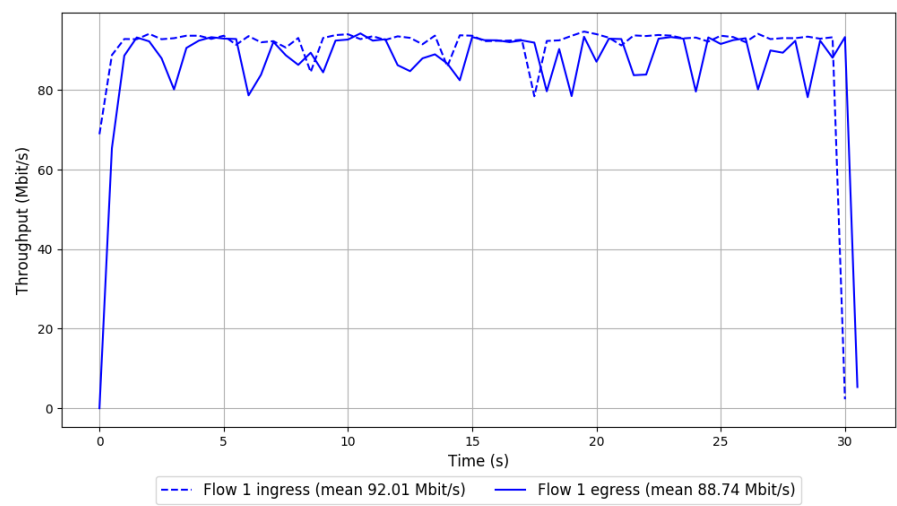
-- Flow 1:

Average throughput: 88.74 Mbit/s

95th percentile per-packet one-way delay: 20.263 ms

Loss rate: 3.55%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-24 09:47:13

End at: 2018-07-24 09:47:43

Local clock offset: 1.741 ms

Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-24 10:20:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.40 Mbit/s

95th percentile per-packet one-way delay: 26.419 ms

Loss rate: 3.92%

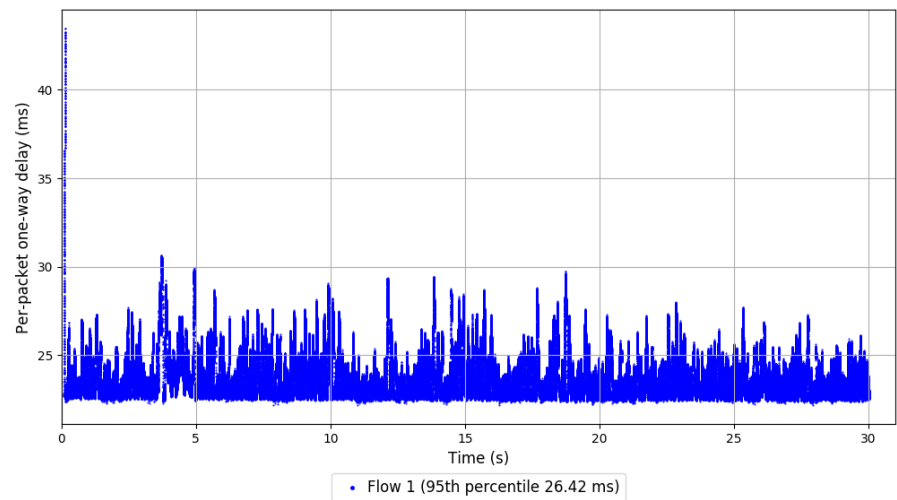
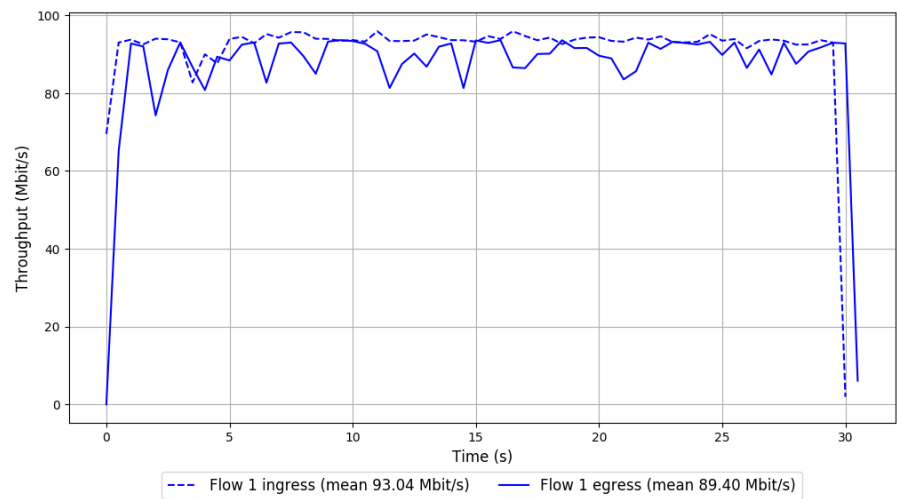
-- Flow 1:

Average throughput: 89.40 Mbit/s

95th percentile per-packet one-way delay: 26.419 ms

Loss rate: 3.92%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-24 07:00:28

End at: 2018-07-24 07:00:58

Local clock offset: -0.12 ms

Remote clock offset: -8.853 ms

Below is generated by plot.py at 2018-07-24 10:20:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 9.062 ms

Loss rate: 11.59%

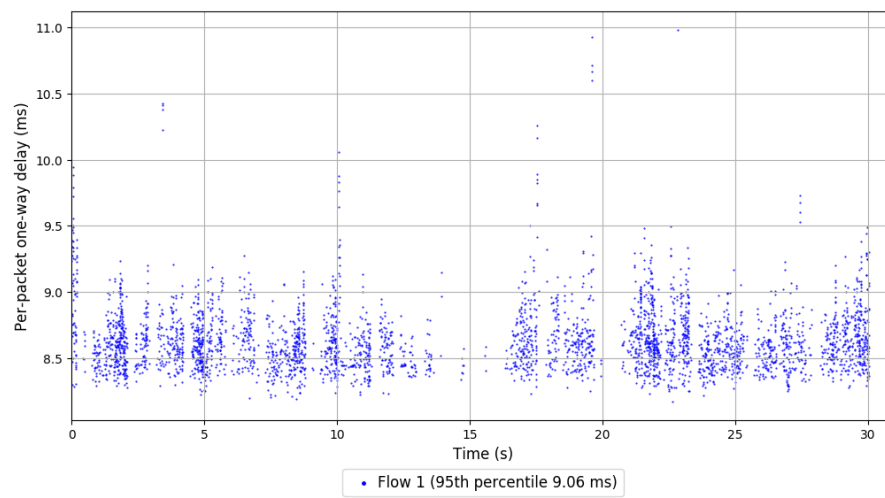
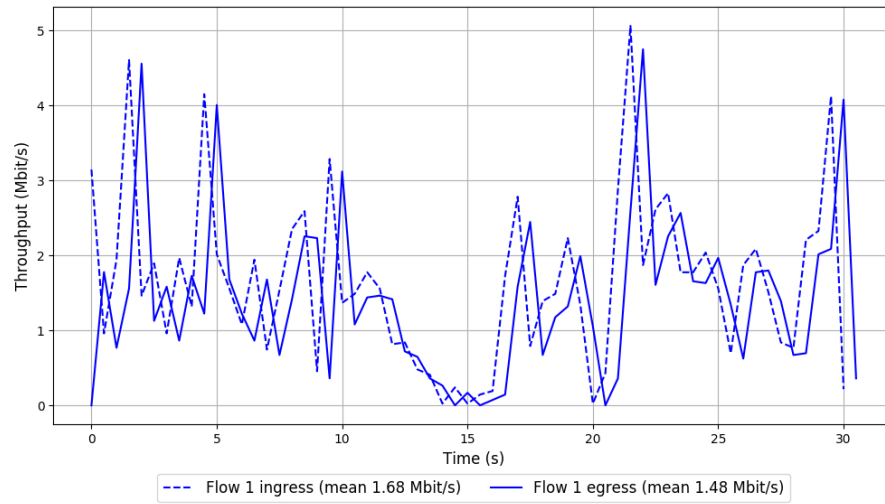
-- Flow 1:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 9.062 ms

Loss rate: 11.59%

Run 1: Report of TCP Vegas — Data Link

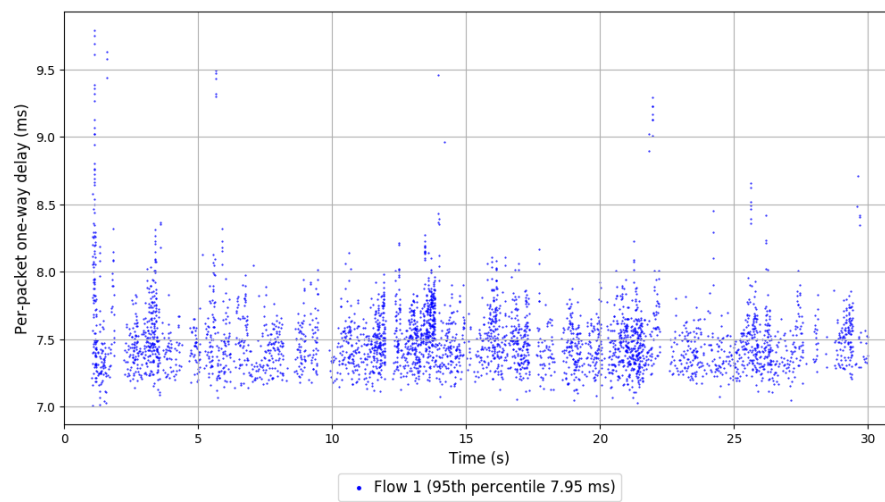
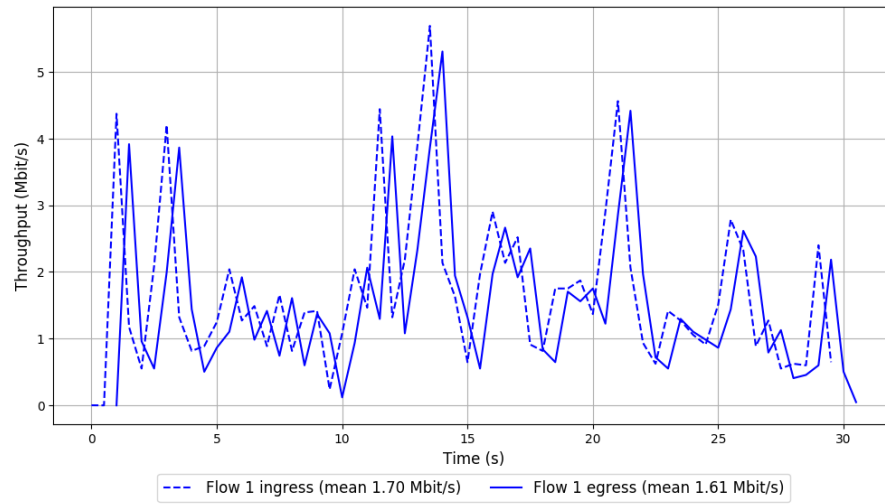


Run 2: Statistics of TCP Vegas

Start at: 2018-07-24 07:20:17
End at: 2018-07-24 07:20:47
Local clock offset: 1.91 ms
Remote clock offset: -9.199 ms

Below is generated by plot.py at 2018-07-24 10:20:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 7.947 ms
Loss rate: 8.05%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 7.947 ms
Loss rate: 8.05%

Run 2: Report of TCP Vegas — Data Link

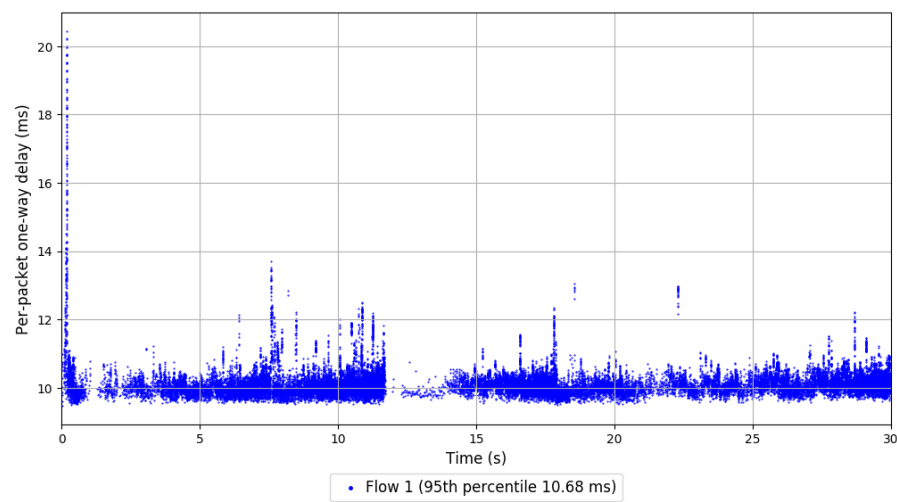
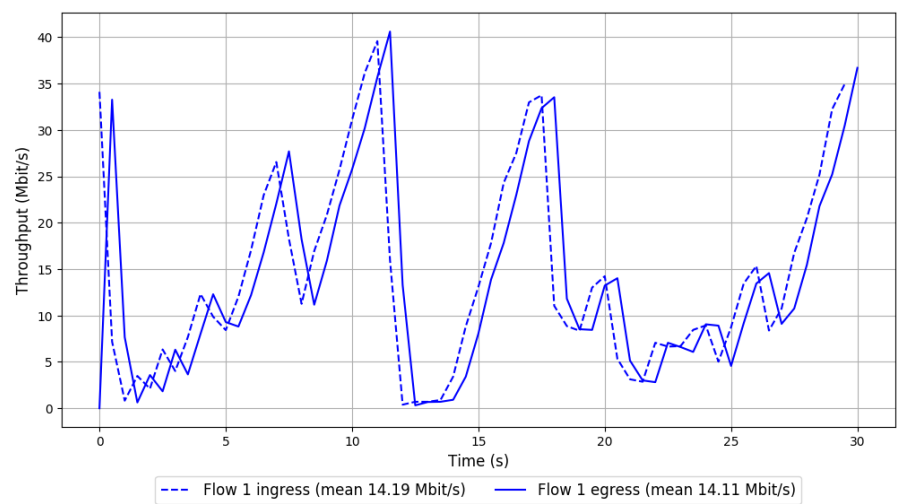


Run 3: Statistics of TCP Vegas

Start at: 2018-07-24 07:40:03
End at: 2018-07-24 07:40:33
Local clock offset: 0.343 ms
Remote clock offset: -12.975 ms

Below is generated by plot.py at 2018-07-24 10:20:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.11 Mbit/s
95th percentile per-packet one-way delay: 10.675 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 14.11 Mbit/s
95th percentile per-packet one-way delay: 10.675 ms
Loss rate: 0.58%

Run 3: Report of TCP Vegas — Data Link

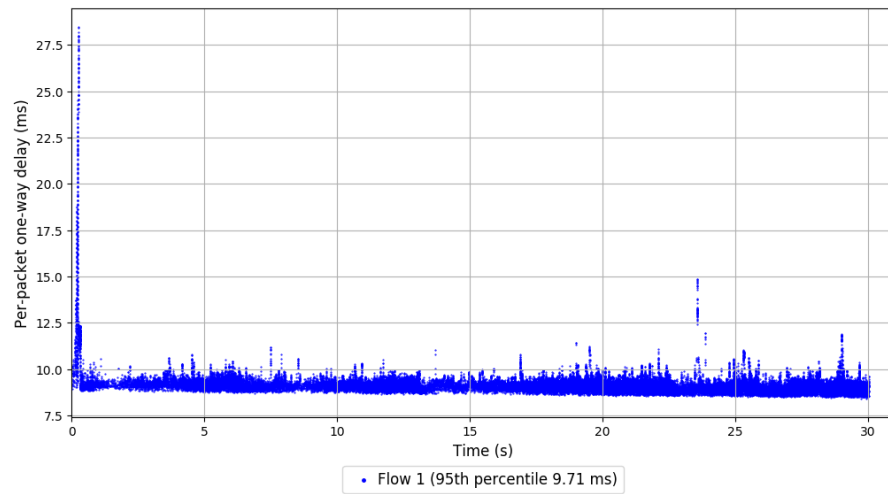
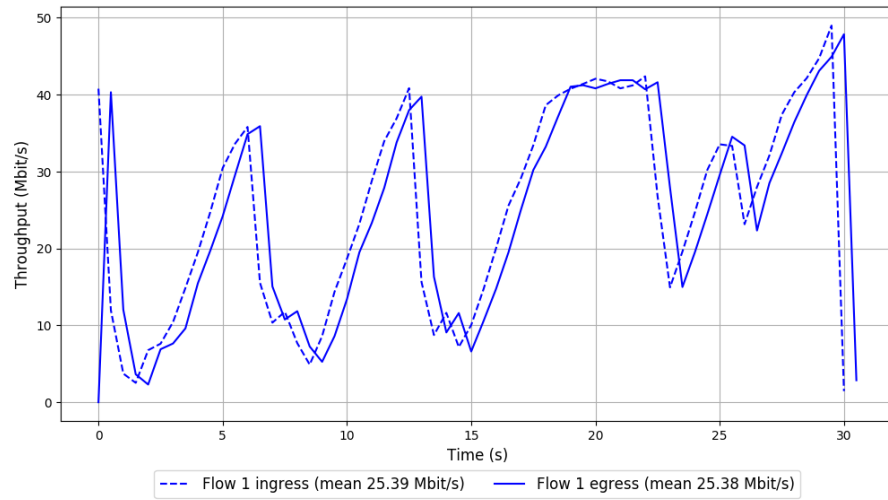


Run 4: Statistics of TCP Vegas

Start at: 2018-07-24 08:00:32
End at: 2018-07-24 08:01:02
Local clock offset: 1.102 ms
Remote clock offset: -12.62 ms

Below is generated by plot.py at 2018-07-24 10:20:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.38 Mbit/s
95th percentile per-packet one-way delay: 9.712 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 25.38 Mbit/s
95th percentile per-packet one-way delay: 9.712 ms
Loss rate: 0.06%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-24 08:20:42

End at: 2018-07-24 08:21:12

Local clock offset: 0.384 ms

Remote clock offset: -4.89 ms

Below is generated by plot.py at 2018-07-24 10:20:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.85 Mbit/s

95th percentile per-packet one-way delay: 12.997 ms

Loss rate: 0.32%

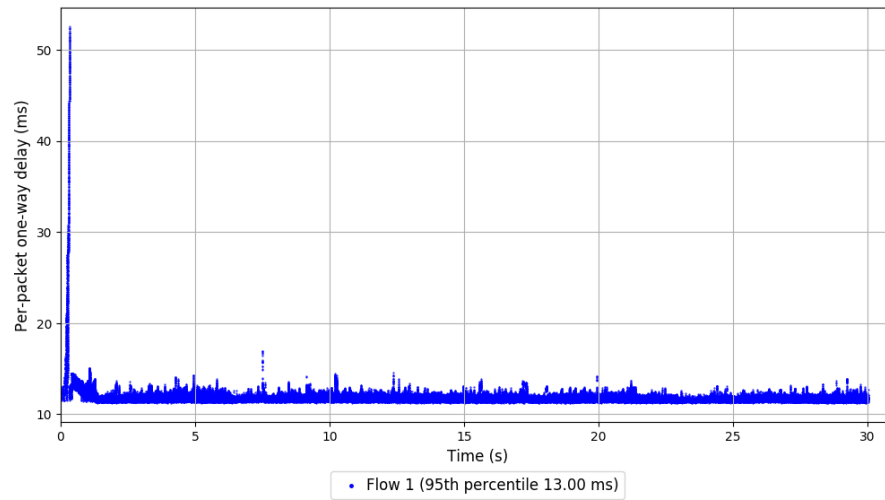
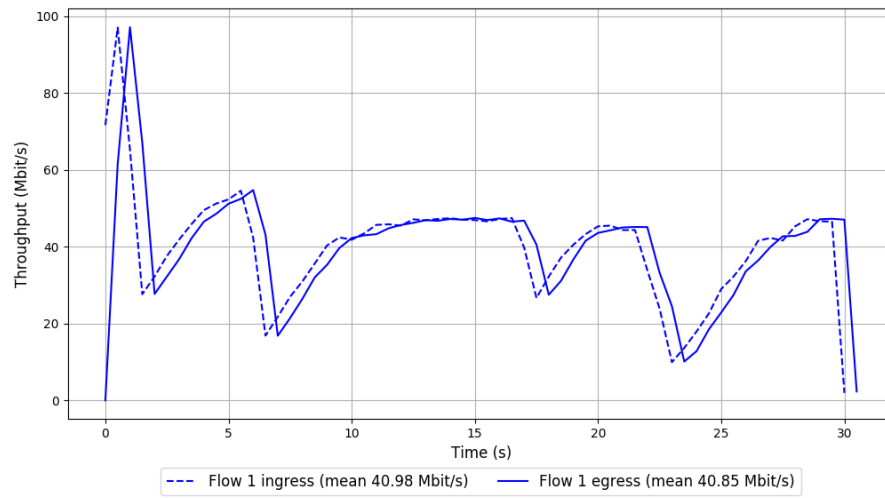
-- Flow 1:

Average throughput: 40.85 Mbit/s

95th percentile per-packet one-way delay: 12.997 ms

Loss rate: 0.32%

Run 5: Report of TCP Vegas — Data Link

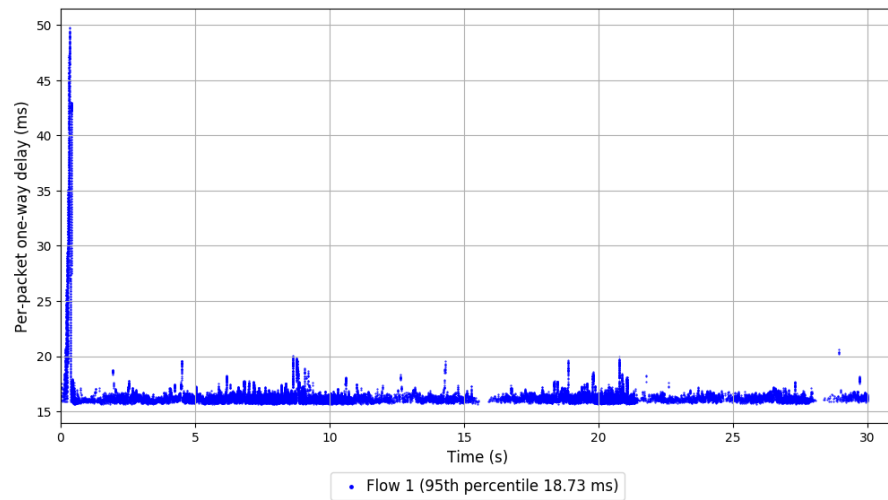
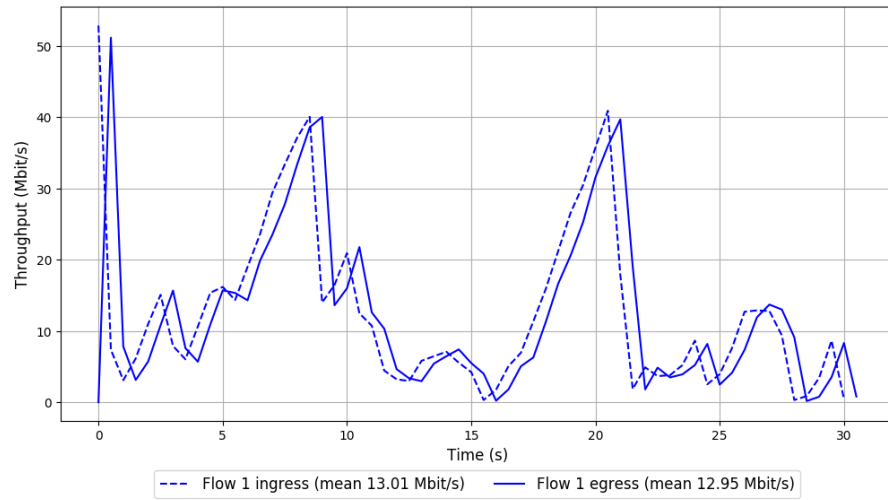


Run 6: Statistics of TCP Vegas

Start at: 2018-07-24 08:40:44
End at: 2018-07-24 08:41:14
Local clock offset: -4.431 ms
Remote clock offset: -6.023 ms

Below is generated by plot.py at 2018-07-24 10:20:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 18.731 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 18.731 ms
Loss rate: 0.45%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-24 09:00:31

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

Local clock offset: -0.184 ms

Remote clock offset: 6.266 ms

Below is generated by plot.py at 2018-07-24 10:20:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.89 Mbit/s

95th percentile per-packet one-way delay: 28.676 ms

Loss rate: 0.52%

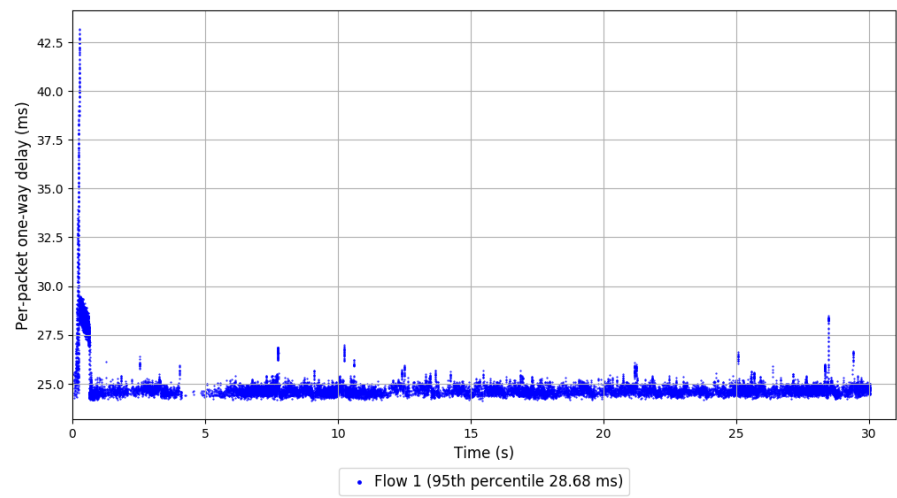
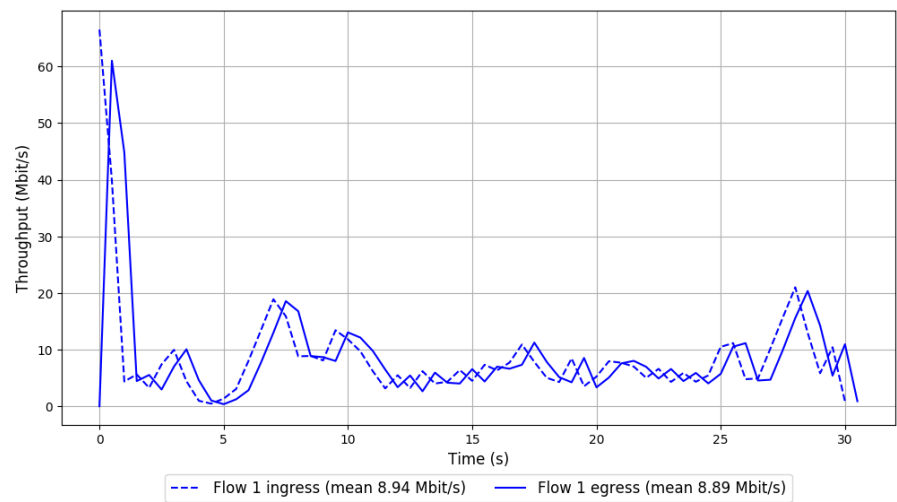
-- Flow 1:

Average throughput: 8.89 Mbit/s

95th percentile per-packet one-way delay: 28.676 ms

Loss rate: 0.52%

Run 7: Report of TCP Vegas — Data Link

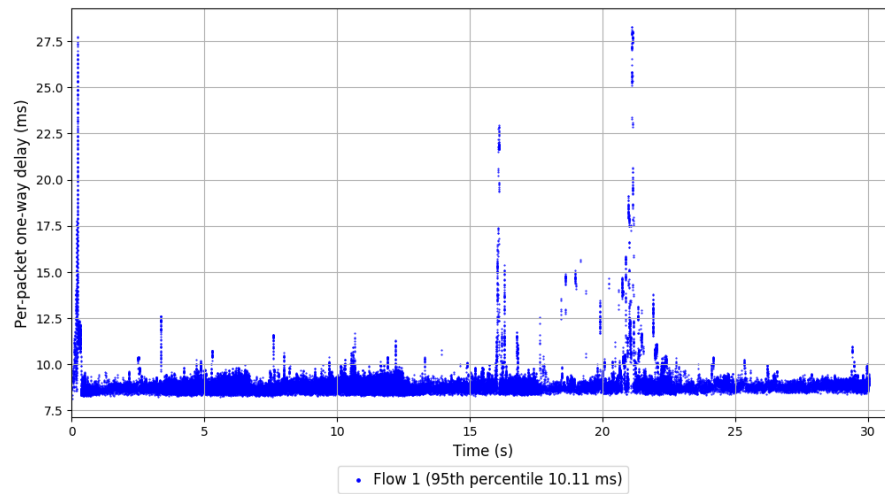
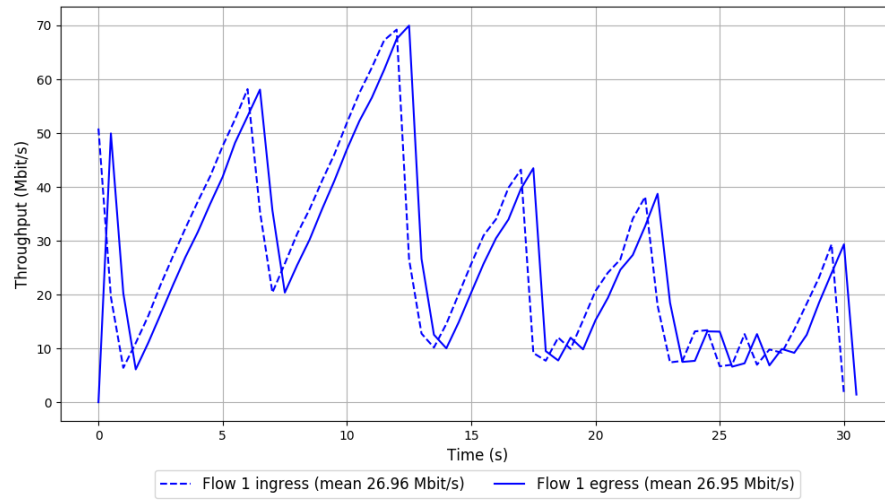


Run 8: Statistics of TCP Vegas

Start at: 2018-07-24 09:20:09
End at: 2018-07-24 09:20:39
Local clock offset: 1.151 ms
Remote clock offset: -14.92 ms

Below is generated by plot.py at 2018-07-24 10:20:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 10.114 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 10.114 ms
Loss rate: 0.04%

Run 8: Report of TCP Vegas — Data Link

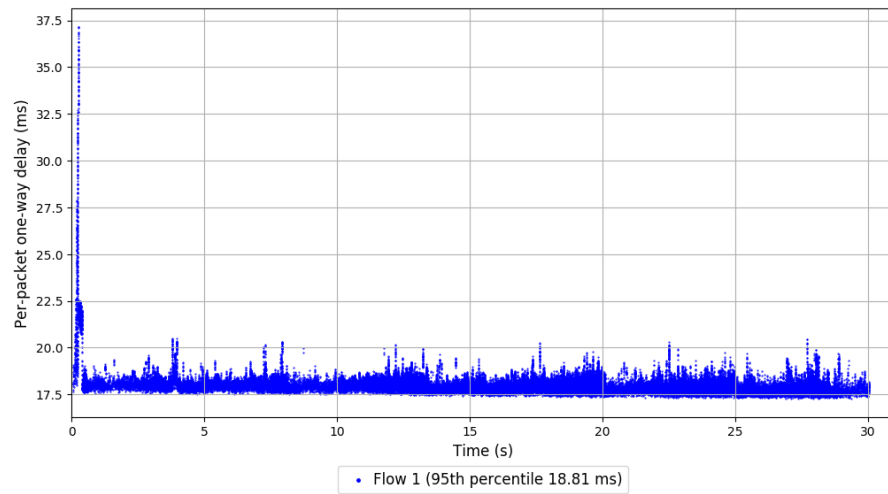
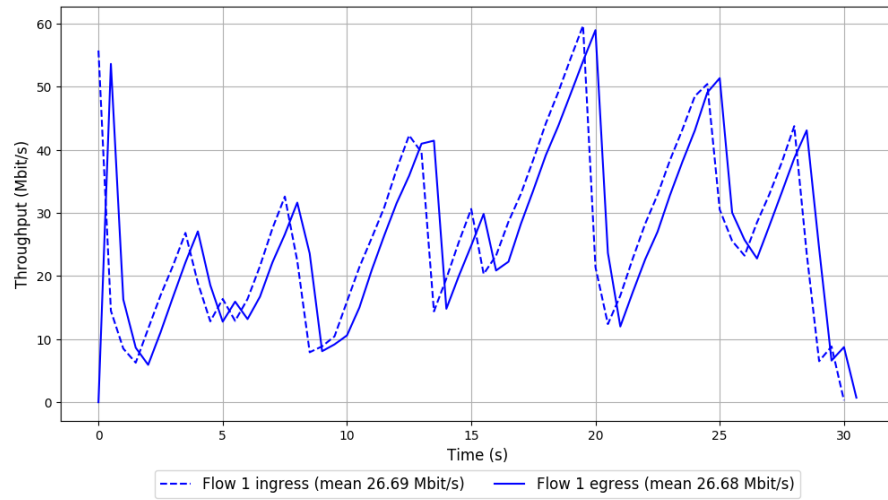


Run 9: Statistics of TCP Vegas

Start at: 2018-07-24 09:40:09
End at: 2018-07-24 09:40:39
Local clock offset: 1.437 ms
Remote clock offset: -7.424 ms

Below is generated by plot.py at 2018-07-24 10:20:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.68 Mbit/s
95th percentile per-packet one-way delay: 18.813 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 26.68 Mbit/s
95th percentile per-packet one-way delay: 18.813 ms
Loss rate: 0.04%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-24 10:00:02

End at: 2018-07-24 10:00:32

Local clock offset: -0.136 ms

Remote clock offset: -1.561 ms

Below is generated by plot.py at 2018-07-24 10:20:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.33 Mbit/s

95th percentile per-packet one-way delay: 57.245 ms

Loss rate: 0.08%

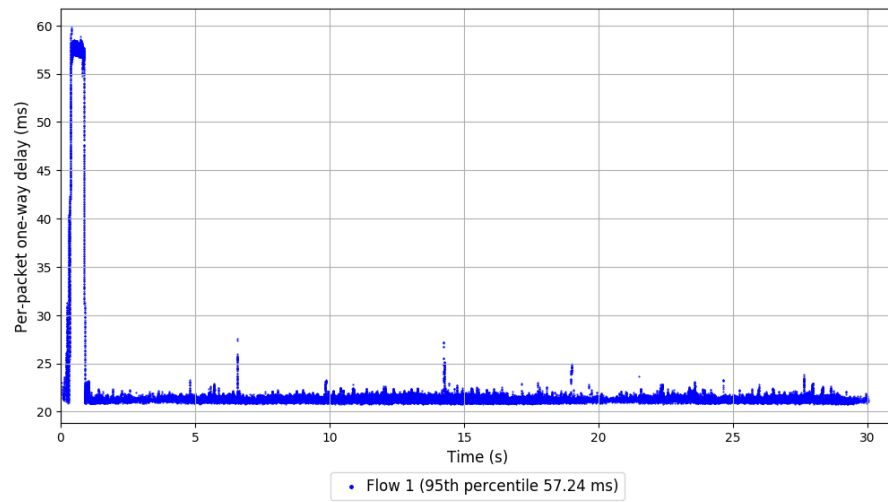
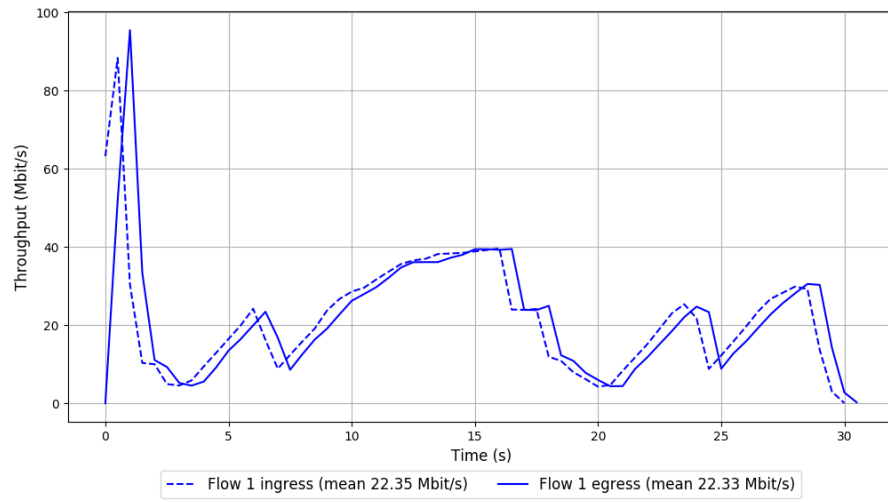
-- Flow 1:

Average throughput: 22.33 Mbit/s

95th percentile per-packet one-way delay: 57.245 ms

Loss rate: 0.08%

Run 10: Report of TCP Vegas — Data Link

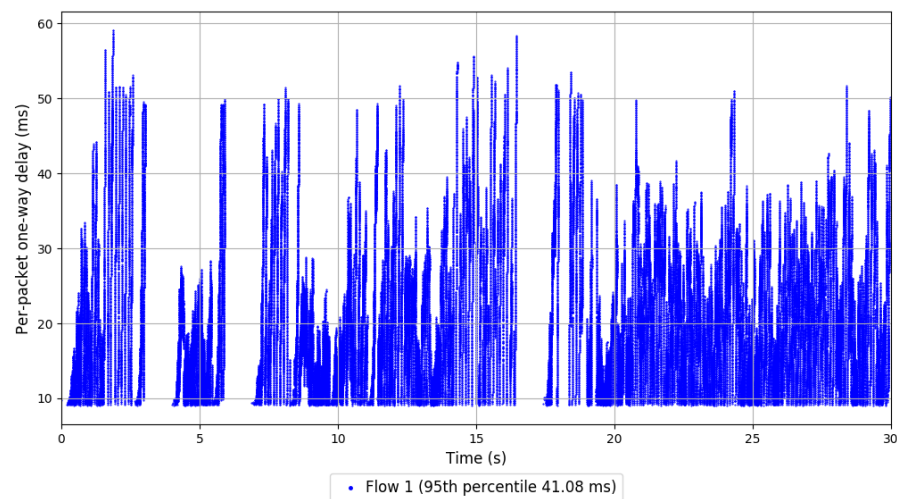
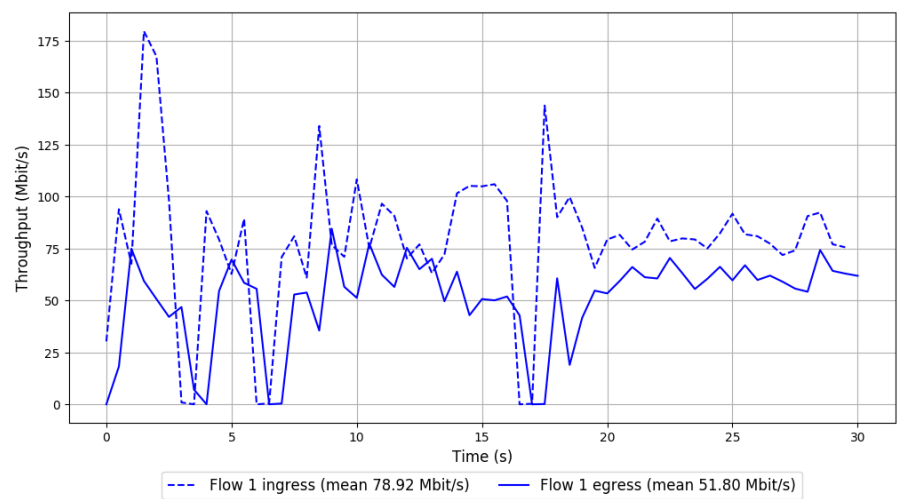


Run 1: Statistics of Verus

Start at: 2018-07-24 06:57:02
End at: 2018-07-24 06:57:32
Local clock offset: 0.359 ms
Remote clock offset: -6.507 ms

Below is generated by plot.py at 2018-07-24 10:20:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.80 Mbit/s
95th percentile per-packet one-way delay: 41.083 ms
Loss rate: 34.27%
-- Flow 1:
Average throughput: 51.80 Mbit/s
95th percentile per-packet one-way delay: 41.083 ms
Loss rate: 34.27%

Run 1: Report of Verus — Data Link

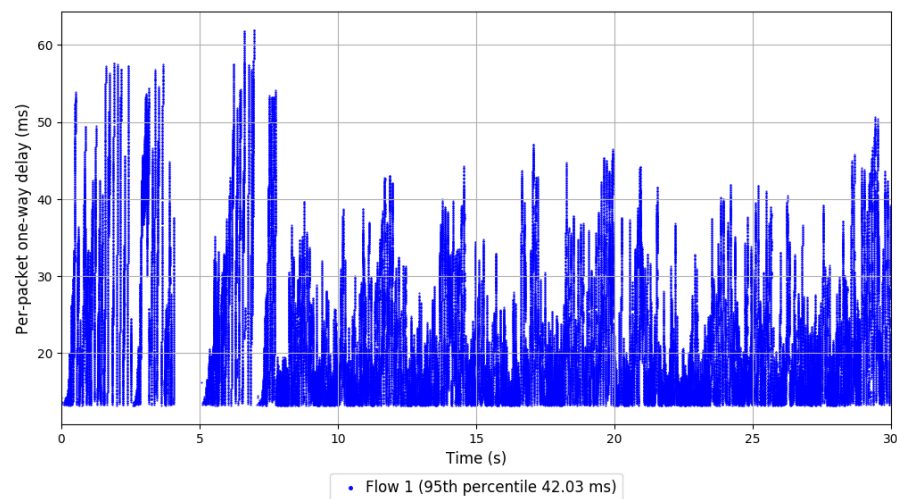
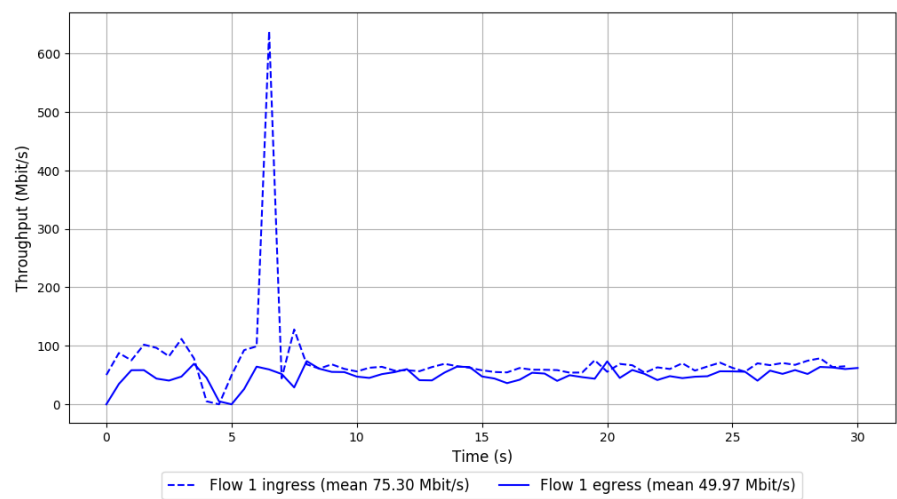


Run 2: Statistics of Verus

Start at: 2018-07-24 07:16:52
End at: 2018-07-24 07:17:22
Local clock offset: -2.411 ms
Remote clock offset: -7.173 ms

Below is generated by plot.py at 2018-07-24 10:20:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.97 Mbit/s
95th percentile per-packet one-way delay: 42.032 ms
Loss rate: 33.62%
-- Flow 1:
Average throughput: 49.97 Mbit/s
95th percentile per-packet one-way delay: 42.032 ms
Loss rate: 33.62%

Run 2: Report of Verus — Data Link

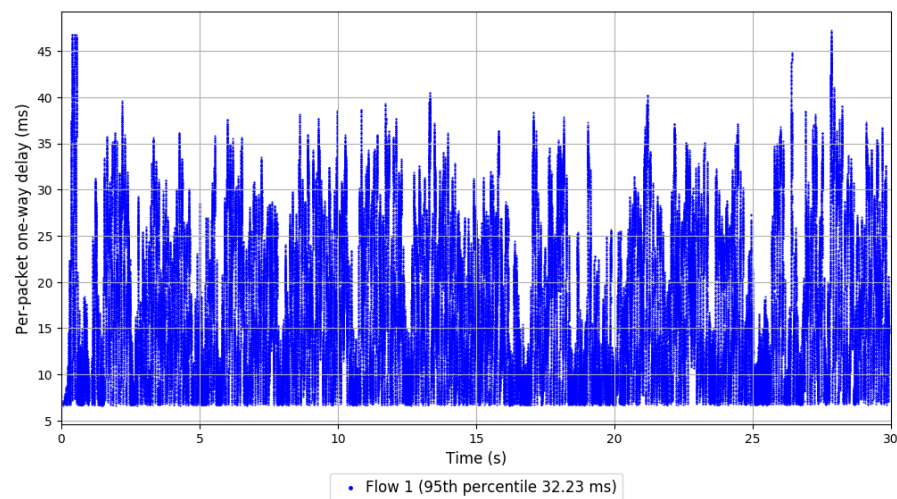
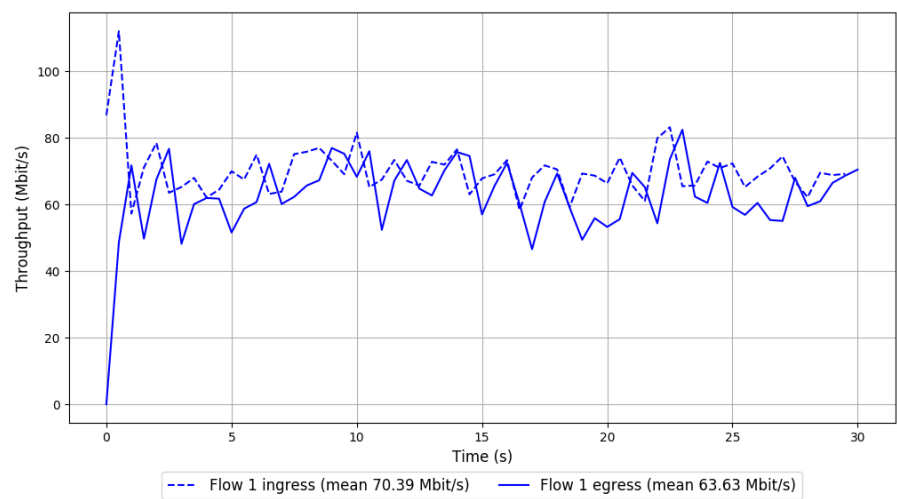


Run 3: Statistics of Verus

Start at: 2018-07-24 07:36:40
End at: 2018-07-24 07:37:10
Local clock offset: 2.12 ms
Remote clock offset: -12.622 ms

Below is generated by plot.py at 2018-07-24 10:20:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.63 Mbit/s
95th percentile per-packet one-way delay: 32.234 ms
Loss rate: 9.58%
-- Flow 1:
Average throughput: 63.63 Mbit/s
95th percentile per-packet one-way delay: 32.234 ms
Loss rate: 9.58%

Run 3: Report of Verus — Data Link

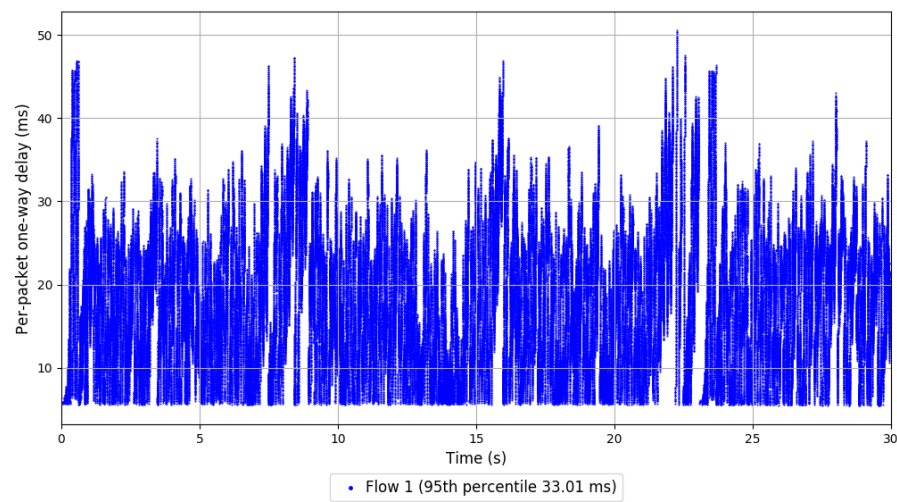
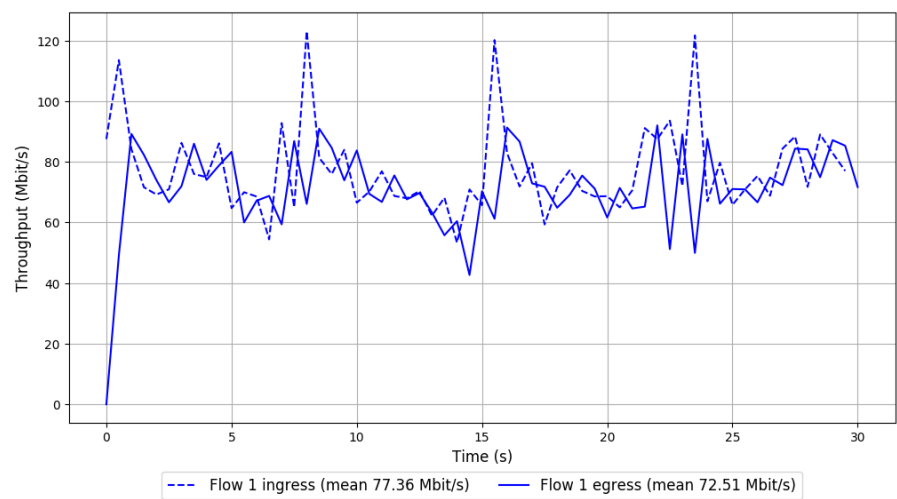


Run 4: Statistics of Verus

Start at: 2018-07-24 07:57:05
End at: 2018-07-24 07:57:35
Local clock offset: 2.81 ms
Remote clock offset: -15.782 ms

Below is generated by plot.py at 2018-07-24 10:20:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.51 Mbit/s
95th percentile per-packet one-way delay: 33.009 ms
Loss rate: 6.23%
-- Flow 1:
Average throughput: 72.51 Mbit/s
95th percentile per-packet one-way delay: 33.009 ms
Loss rate: 6.23%

Run 4: Report of Verus — Data Link

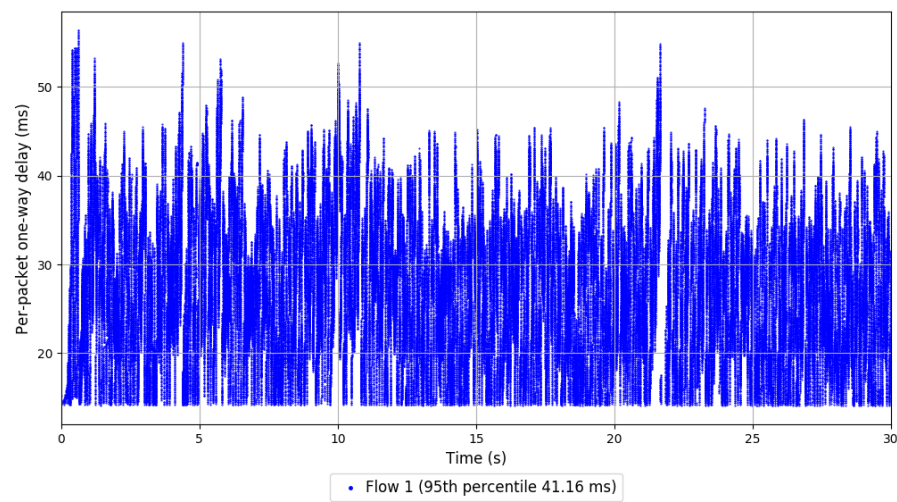
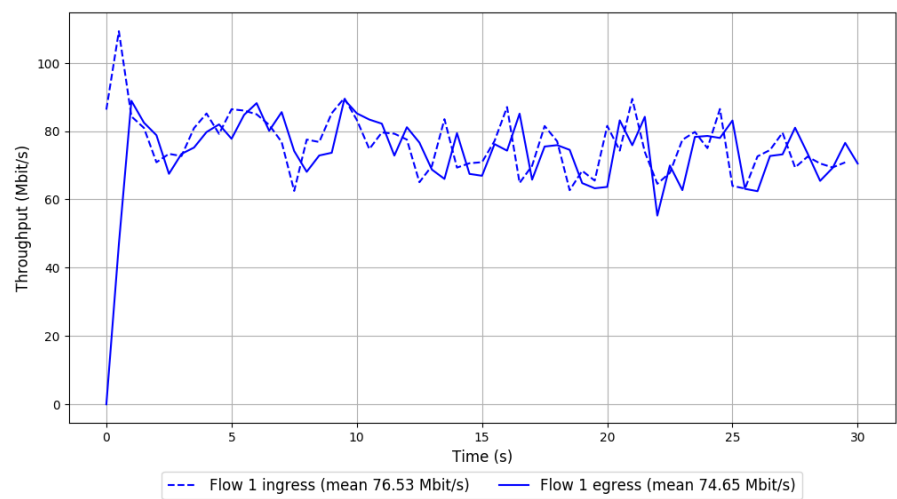


Run 5: Statistics of Verus

Start at: 2018-07-24 08:17:13
End at: 2018-07-24 08:17:43
Local clock offset: 1.655 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-07-24 10:20:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.65 Mbit/s
95th percentile per-packet one-way delay: 41.165 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 74.65 Mbit/s
95th percentile per-packet one-way delay: 41.165 ms
Loss rate: 2.40%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-24 08:37:15

End at: 2018-07-24 08:37:45

Local clock offset: 0.375 ms

Remote clock offset: -4.94 ms

Below is generated by plot.py at 2018-07-24 10:20:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.85 Mbit/s

95th percentile per-packet one-way delay: 36.273 ms

Loss rate: 7.96%

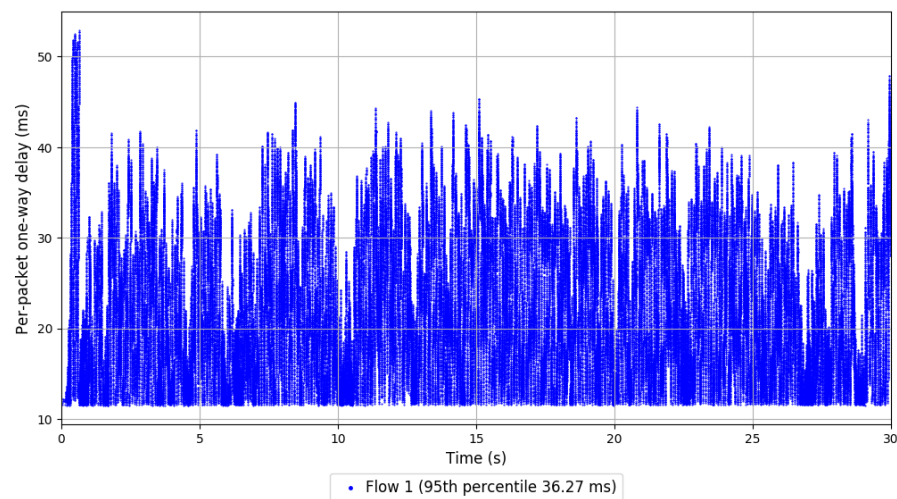
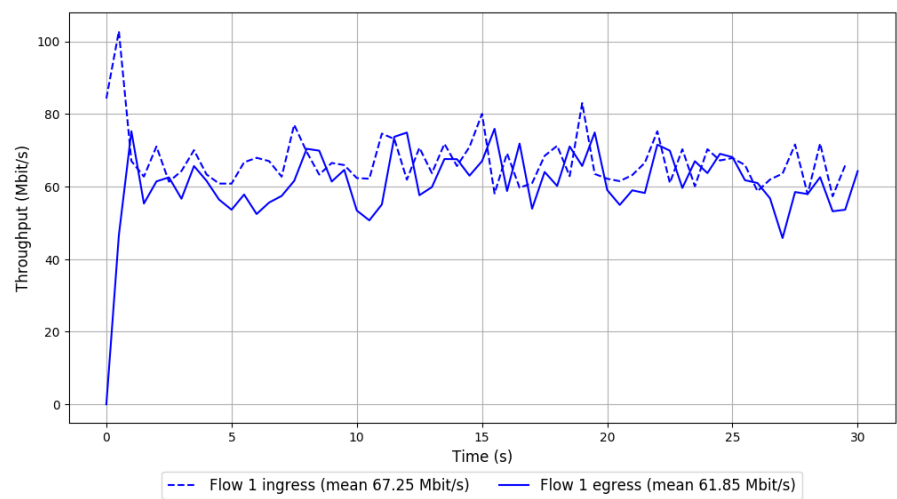
-- Flow 1:

Average throughput: 61.85 Mbit/s

95th percentile per-packet one-way delay: 36.273 ms

Loss rate: 7.96%

Run 6: Report of Verus — Data Link

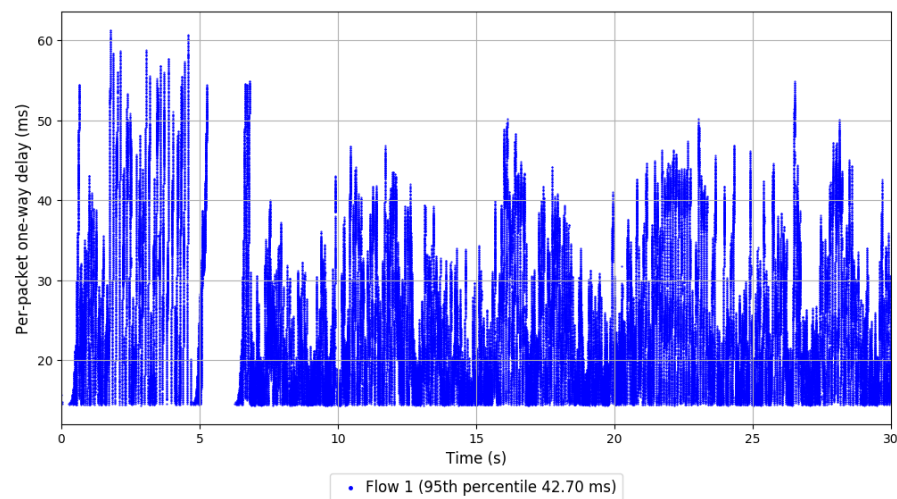
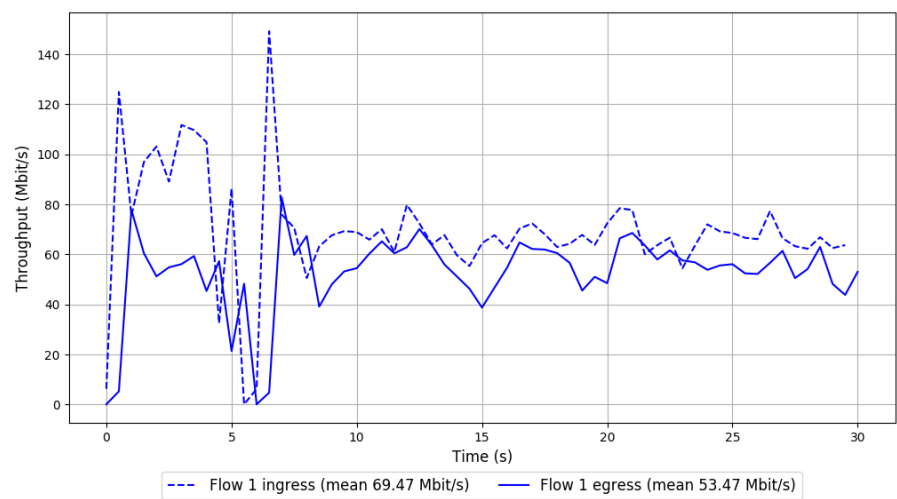


Run 7: Statistics of Verus

Start at: 2018-07-24 08:57:03
End at: 2018-07-24 08:57:33
Local clock offset: 0.186 ms
Remote clock offset: -2.246 ms

Below is generated by plot.py at 2018-07-24 10:20:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.47 Mbit/s
95th percentile per-packet one-way delay: 42.695 ms
Loss rate: 23.00%
-- Flow 1:
Average throughput: 53.47 Mbit/s
95th percentile per-packet one-way delay: 42.695 ms
Loss rate: 23.00%

Run 7: Report of Verus — Data Link

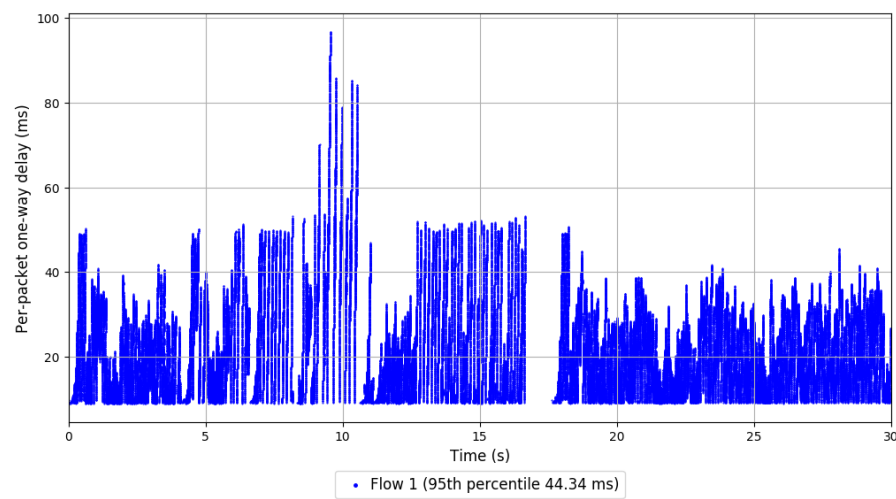
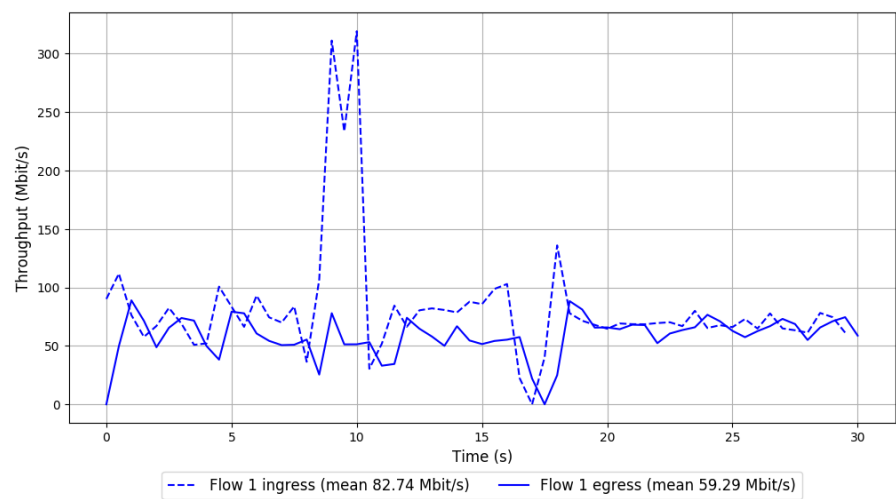


Run 8: Statistics of Verus

Start at: 2018-07-24 09:16:45
End at: 2018-07-24 09:17:15
Local clock offset: 0.294 ms
Remote clock offset: -14.161 ms

Below is generated by plot.py at 2018-07-24 10:20:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: 44.337 ms
Loss rate: 28.30%
-- Flow 1:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: 44.337 ms
Loss rate: 28.30%

Run 8: Report of Verus — Data Link

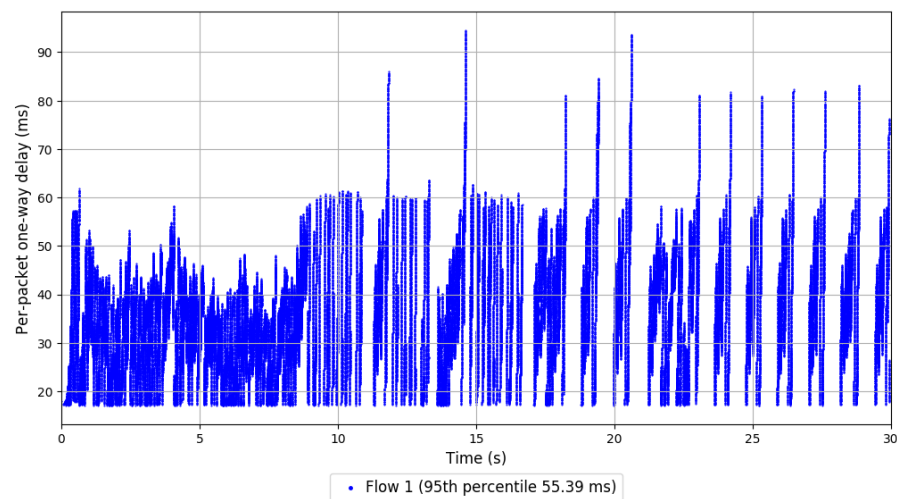
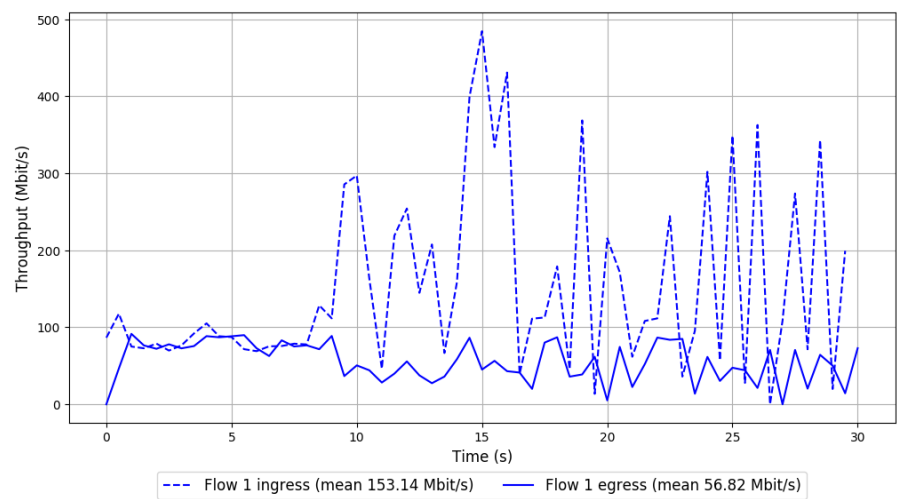


Run 9: Statistics of Verus

Start at: 2018-07-24 09:36:45
End at: 2018-07-24 09:37:15
Local clock offset: 0.213 ms
Remote clock offset: -10.173 ms

Below is generated by plot.py at 2018-07-24 10:20:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 55.388 ms
Loss rate: 62.88%
-- Flow 1:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 55.388 ms
Loss rate: 62.88%

Run 9: Report of Verus — Data Link

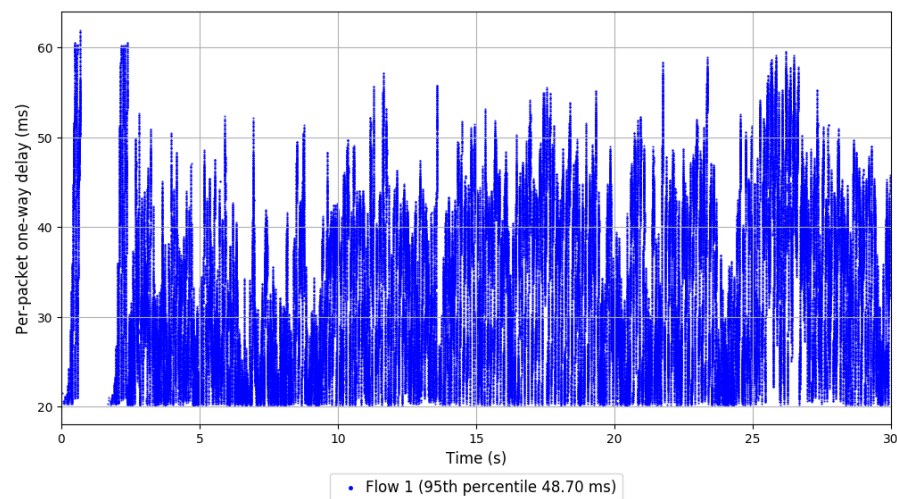
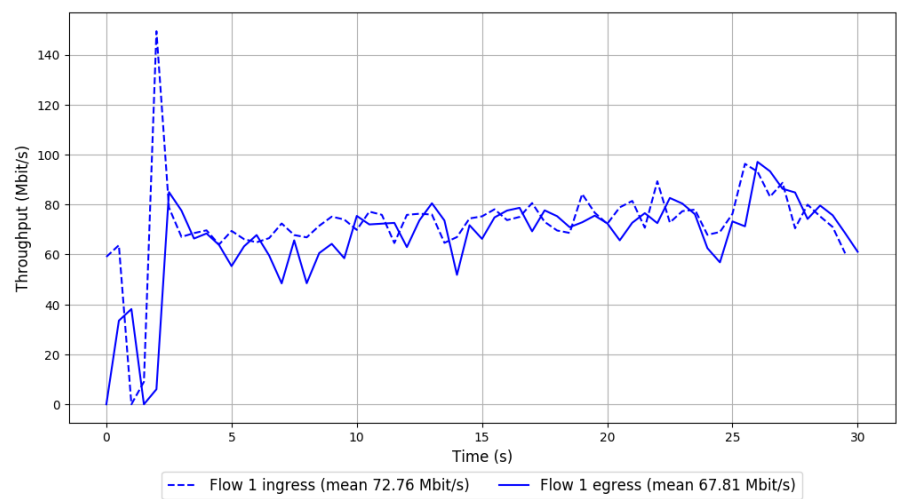


Run 10: Statistics of Verus

Start at: 2018-07-24 09:56:36
End at: 2018-07-24 09:57:06
Local clock offset: -0.333 ms
Remote clock offset: -2.645 ms

Below is generated by plot.py at 2018-07-24 10:20:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.81 Mbit/s
95th percentile per-packet one-way delay: 48.700 ms
Loss rate: 6.73%
-- Flow 1:
Average throughput: 67.81 Mbit/s
95th percentile per-packet one-way delay: 48.700 ms
Loss rate: 6.73%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-24 06:46:18

End at: 2018-07-24 06:46:48

Local clock offset: 1.546 ms

Remote clock offset: -7.677 ms

Below is generated by plot.py at 2018-07-24 10:20:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.50 Mbit/s

95th percentile per-packet one-way delay: 8.797 ms

Loss rate: 1.52%

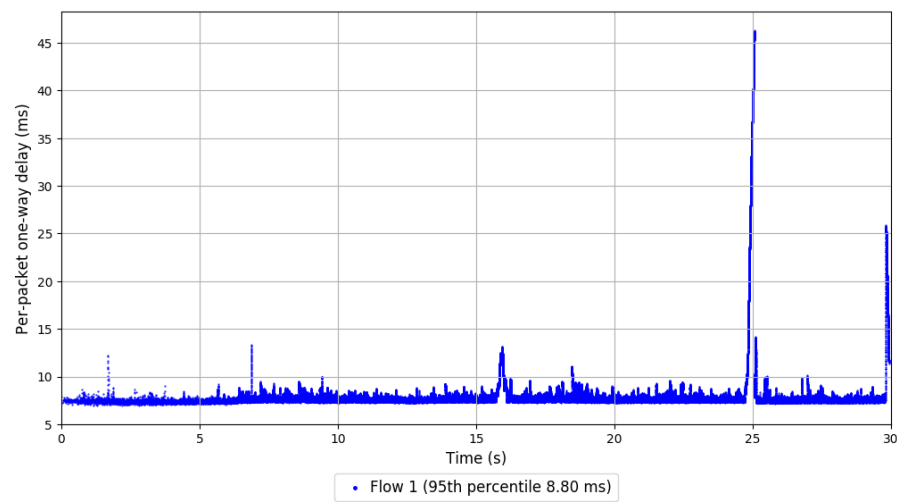
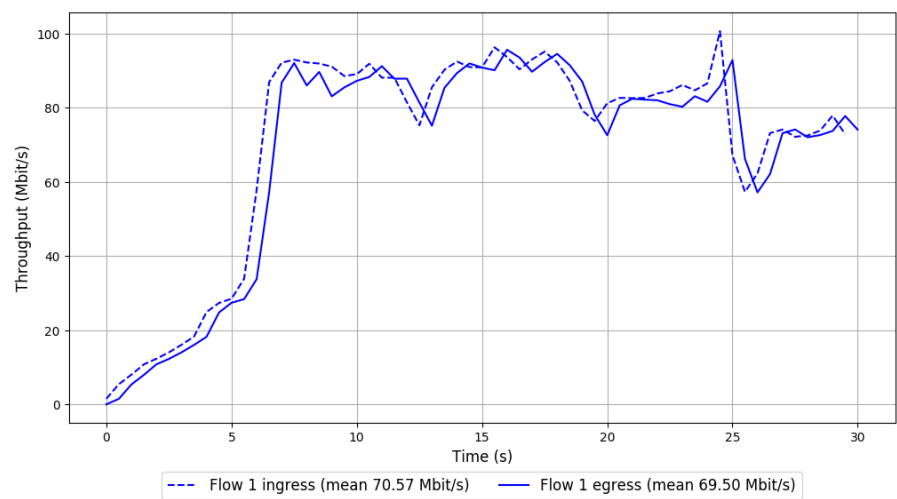
-- Flow 1:

Average throughput: 69.50 Mbit/s

95th percentile per-packet one-way delay: 8.797 ms

Loss rate: 1.52%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-24 07:06:10

End at: 2018-07-24 07:06:40

Local clock offset: -1.524 ms

Remote clock offset: -8.857 ms

Below is generated by plot.py at 2018-07-24 10:20:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.50 Mbit/s

95th percentile per-packet one-way delay: 9.752 ms

Loss rate: 7.85%

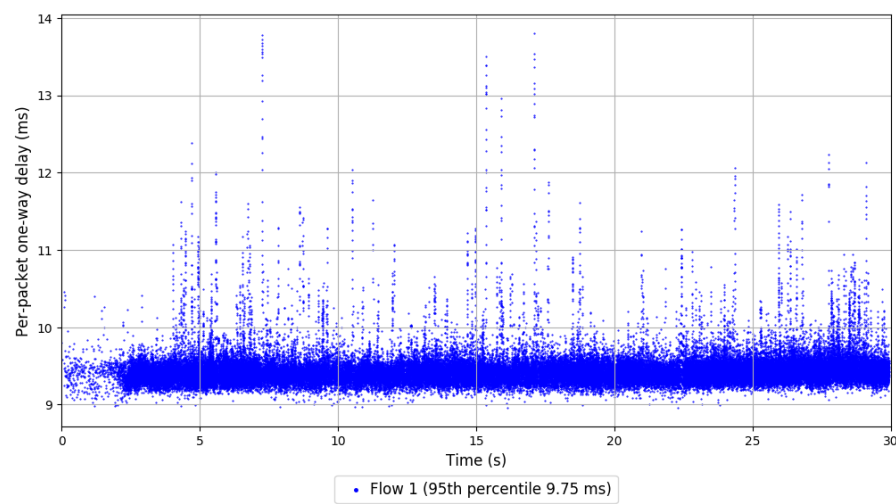
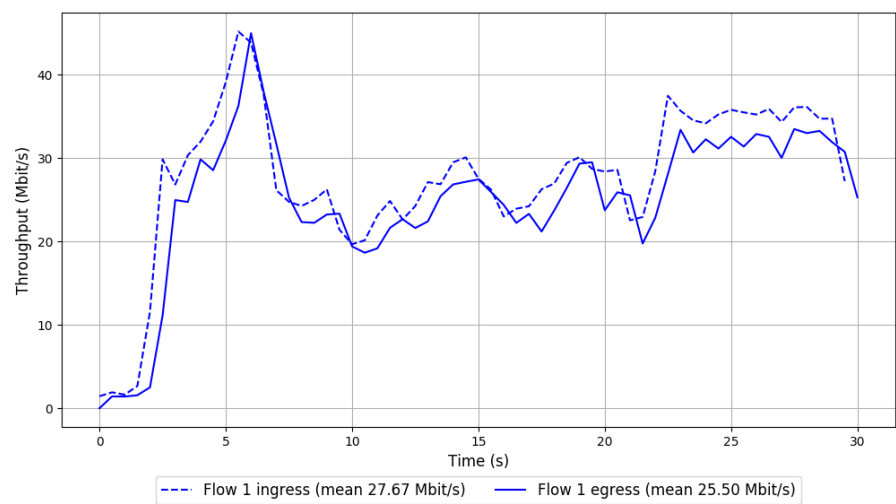
-- Flow 1:

Average throughput: 25.50 Mbit/s

95th percentile per-packet one-way delay: 9.752 ms

Loss rate: 7.85%

Run 2: Report of PCC-Vivace — Data Link

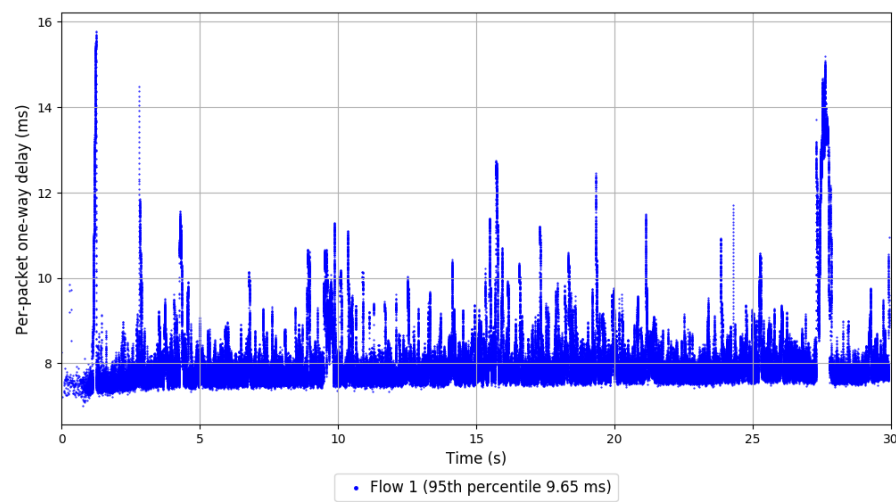
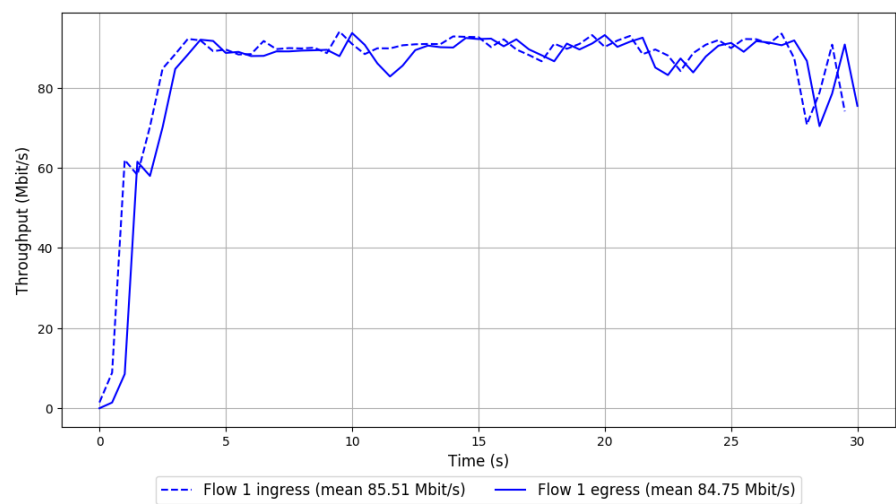


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-24 07:26:00
End at: 2018-07-24 07:26:30
Local clock offset: -6.877 ms
Remote clock offset: -18.103 ms

Below is generated by plot.py at 2018-07-24 10:20:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 9.653 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 9.653 ms
Loss rate: 0.89%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-24 07:45:48

End at: 2018-07-24 07:46:18

Local clock offset: 3.569 ms

Remote clock offset: -14.48 ms

Below is generated by plot.py at 2018-07-24 10:20:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.78 Mbit/s

95th percentile per-packet one-way delay: 6.962 ms

Loss rate: 3.44%

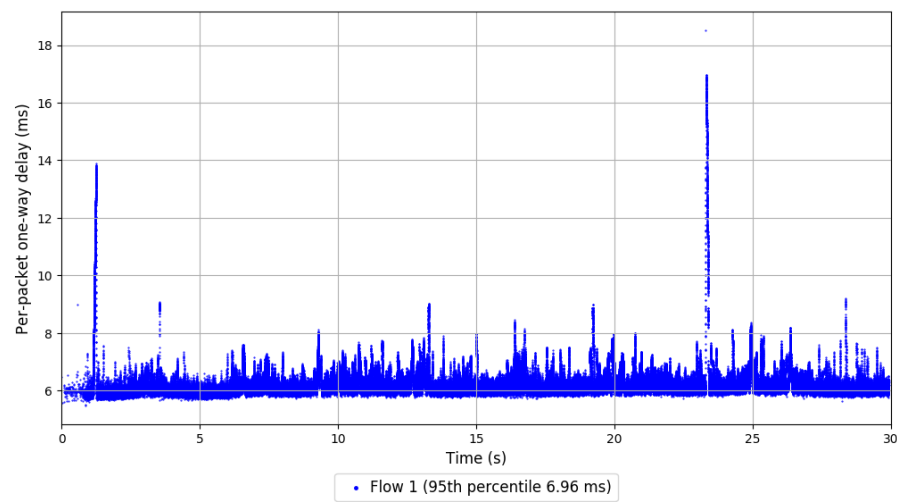
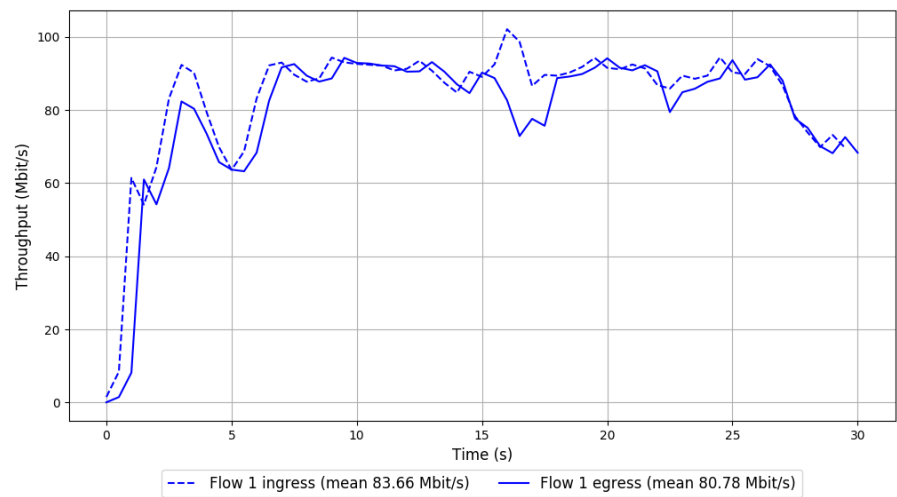
-- Flow 1:

Average throughput: 80.78 Mbit/s

95th percentile per-packet one-way delay: 6.962 ms

Loss rate: 3.44%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-24 08:06:18

End at: 2018-07-24 08:06:48

Local clock offset: 1.774 ms

Remote clock offset: -9.849 ms

Below is generated by plot.py at 2018-07-24 10:20:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.24 Mbit/s

95th percentile per-packet one-way delay: 9.407 ms

Loss rate: 3.88%

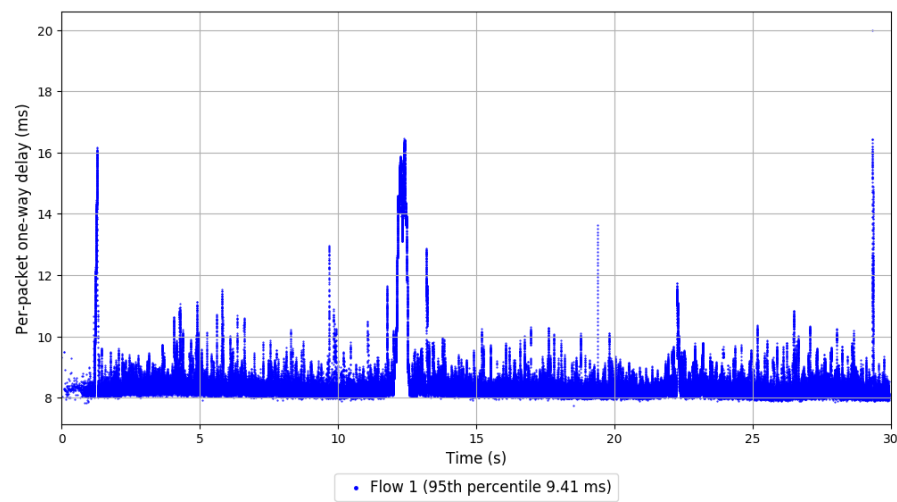
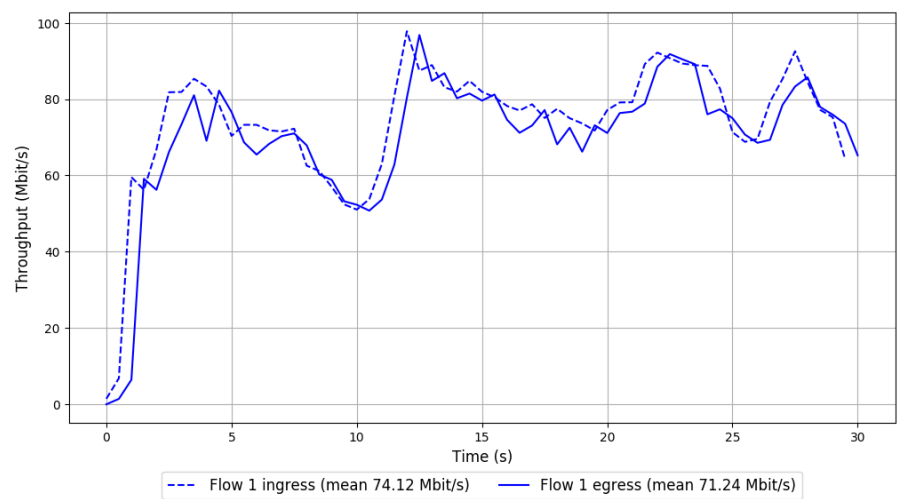
-- Flow 1:

Average throughput: 71.24 Mbit/s

95th percentile per-packet one-way delay: 9.407 ms

Loss rate: 3.88%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-24 08:26:26

End at: 2018-07-24 08:26:56

Local clock offset: 2.848 ms

Remote clock offset: -6.393 ms

Below is generated by plot.py at 2018-07-24 10:21:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.52 Mbit/s

95th percentile per-packet one-way delay: 21.253 ms

Loss rate: 2.55%

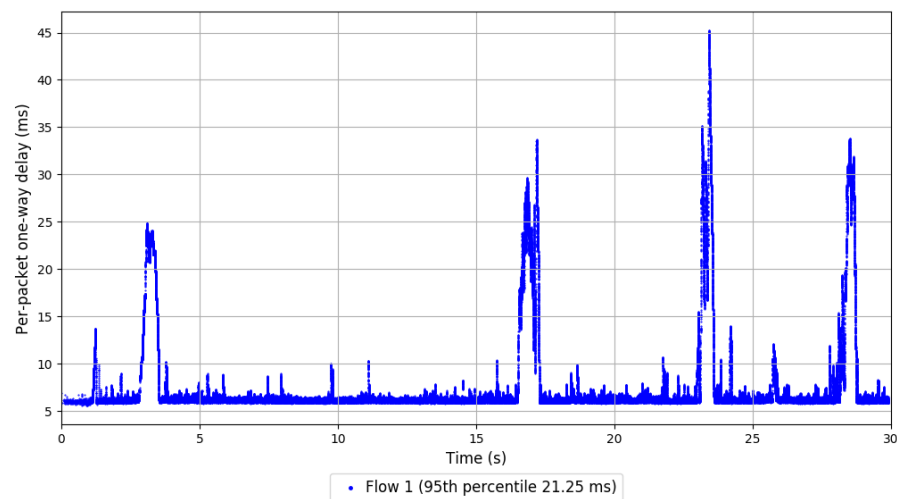
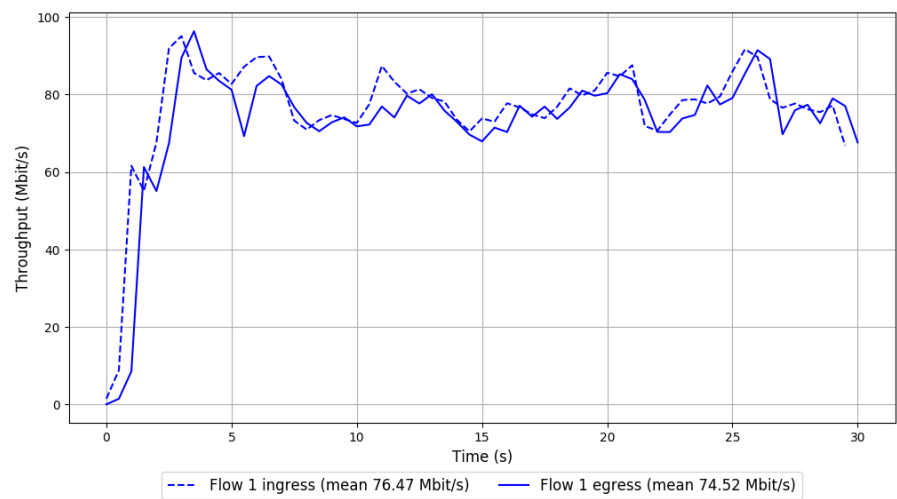
-- Flow 1:

Average throughput: 74.52 Mbit/s

95th percentile per-packet one-way delay: 21.253 ms

Loss rate: 2.55%

Run 6: Report of PCC-Vivace — Data Link

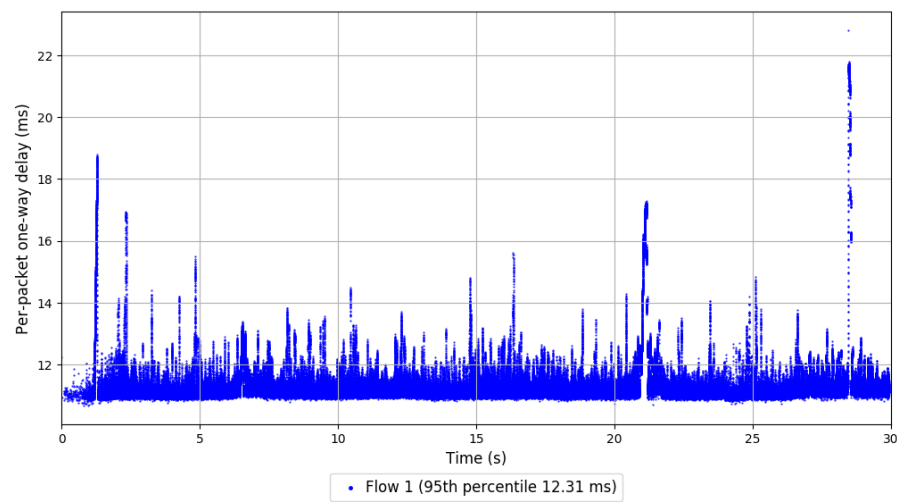
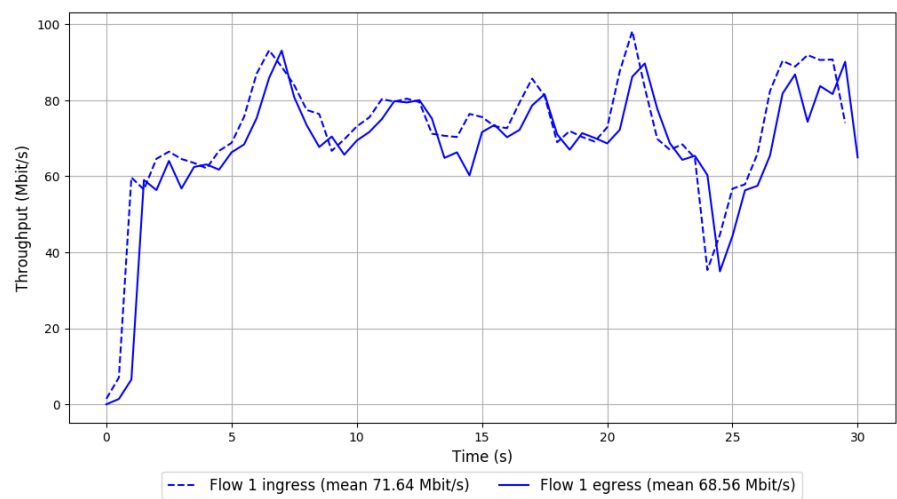


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-24 08:46:22
End at: 2018-07-24 08:46:52
Local clock offset: 0.322 ms
Remote clock offset: -6.465 ms

Below is generated by plot.py at 2018-07-24 10:21:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.56 Mbit/s
95th percentile per-packet one-way delay: 12.309 ms
Loss rate: 4.29%
-- Flow 1:
Average throughput: 68.56 Mbit/s
95th percentile per-packet one-way delay: 12.309 ms
Loss rate: 4.29%

Run 7: Report of PCC-Vivace — Data Link

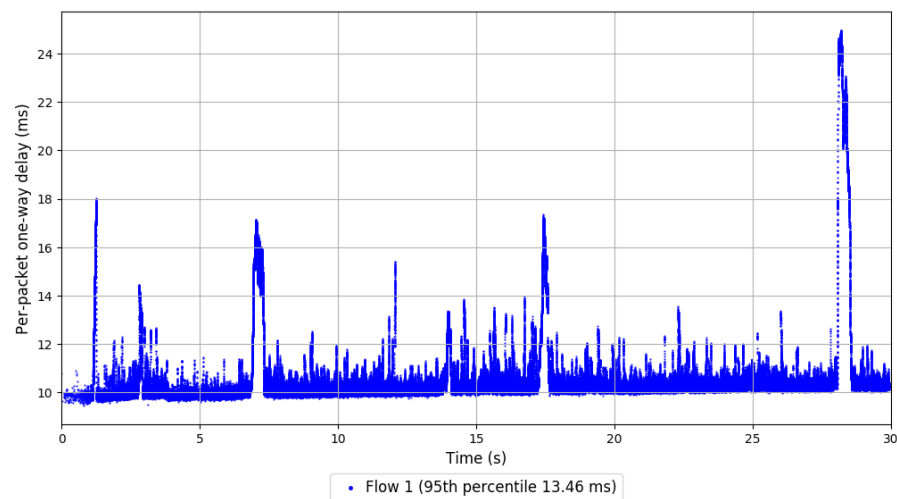
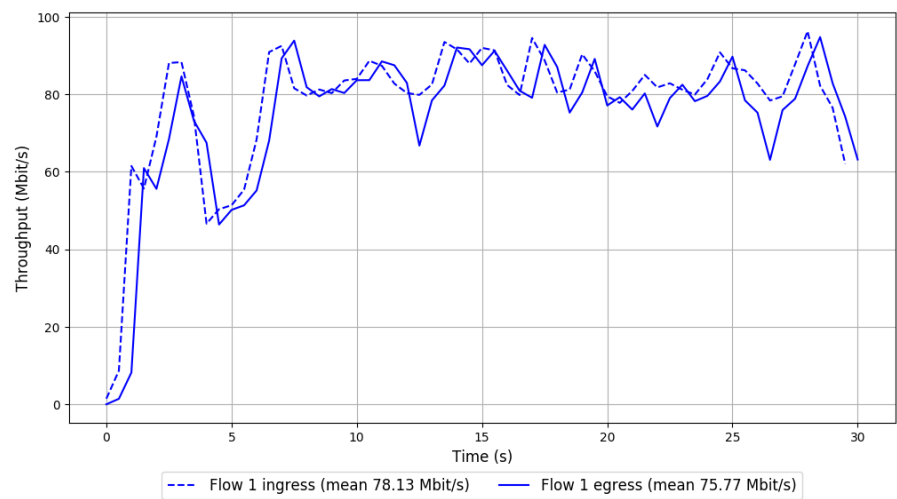


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-24 09:06:11
End at: 2018-07-24 09:06:41
Local clock offset: 0.043 ms
Remote clock offset: -8.802 ms

Below is generated by plot.py at 2018-07-24 10:21:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.77 Mbit/s
95th percentile per-packet one-way delay: 13.458 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 75.77 Mbit/s
95th percentile per-packet one-way delay: 13.458 ms
Loss rate: 3.03%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-24 09:25:50

End at: 2018-07-24 09:26:20

Local clock offset: 1.726 ms

Remote clock offset: -5.928 ms

Below is generated by plot.py at 2018-07-24 10:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.87 Mbit/s

95th percentile per-packet one-way delay: 21.129 ms

Loss rate: 4.37%

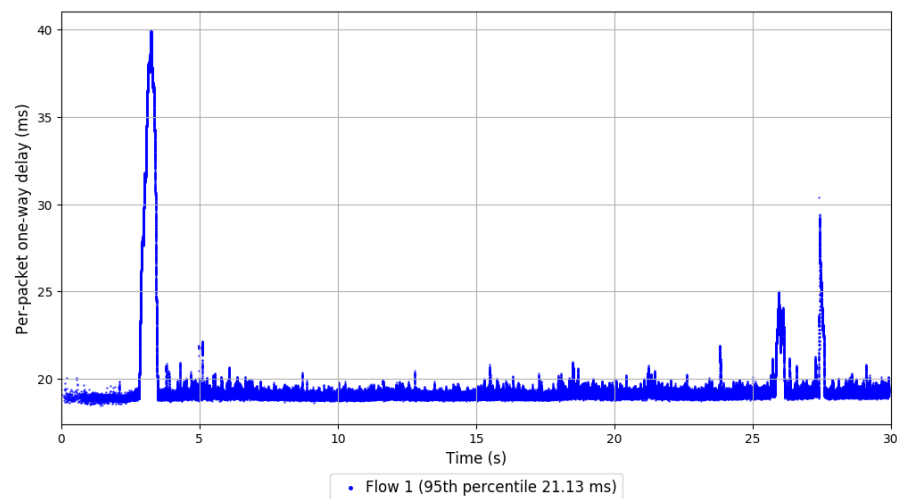
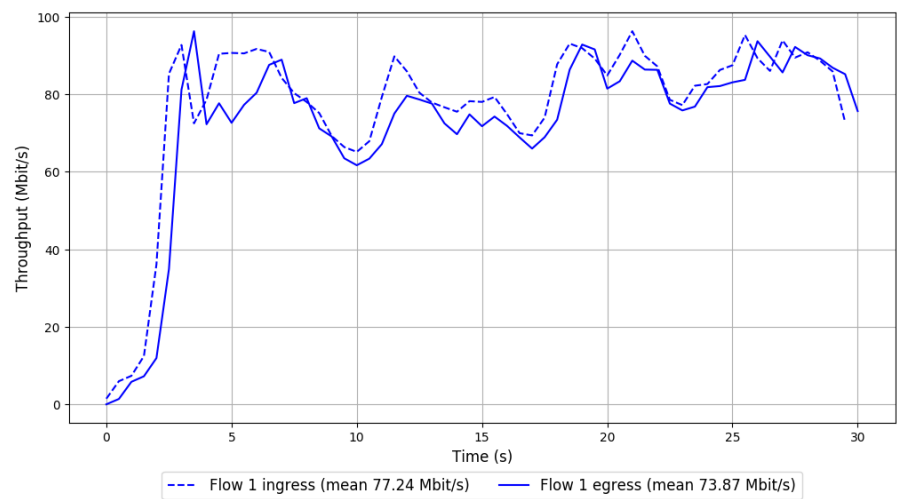
-- Flow 1:

Average throughput: 73.87 Mbit/s

95th percentile per-packet one-way delay: 21.129 ms

Loss rate: 4.37%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-24 09:45:57

End at: 2018-07-24 09:46:27

Local clock offset: -0.077 ms

Remote clock offset: -4.82 ms

Below is generated by plot.py at 2018-07-24 10:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.21 Mbit/s

95th percentile per-packet one-way delay: 20.977 ms

Loss rate: 2.24%

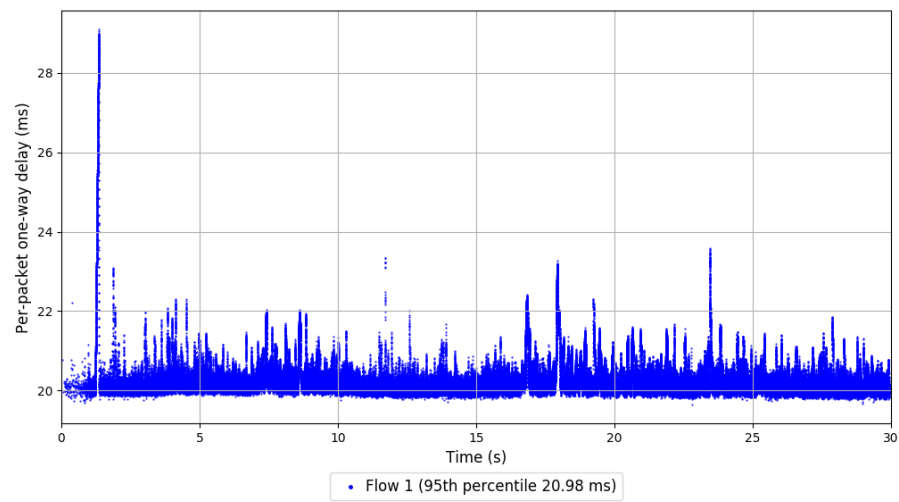
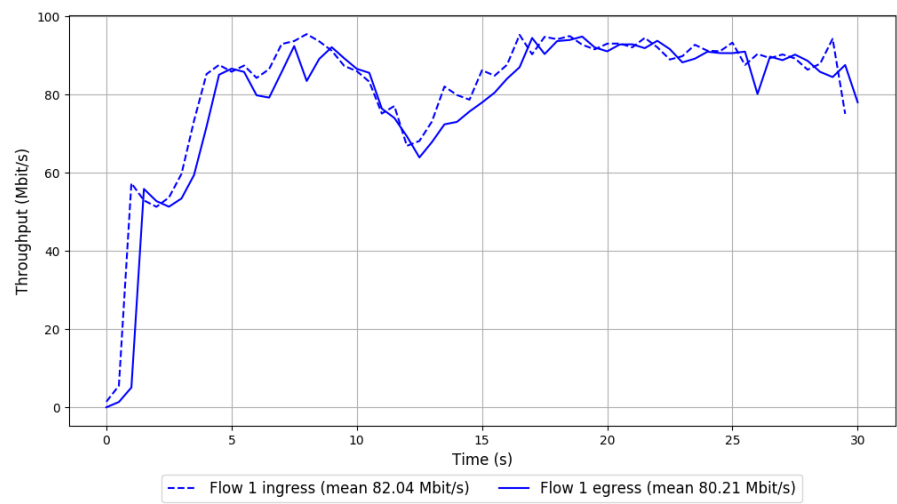
-- Flow 1:

Average throughput: 80.21 Mbit/s

95th percentile per-packet one-way delay: 20.977 ms

Loss rate: 2.24%

Run 10: Report of PCC-Vivace — Data Link

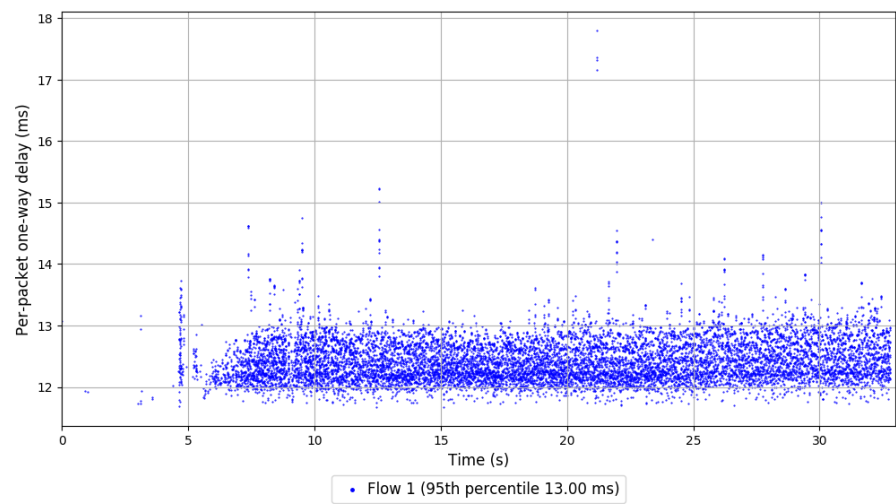
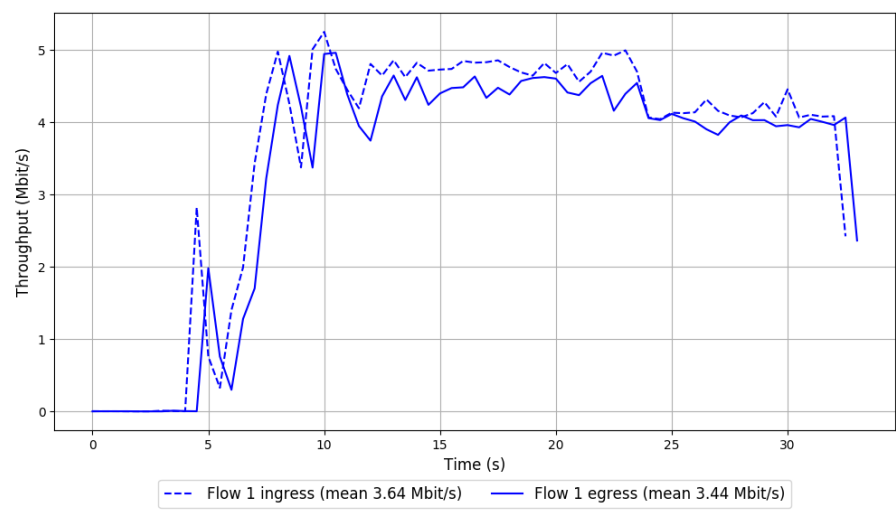


Run 1: Statistics of WebRTC media

Start at: 2018-07-24 06:58:13
End at: 2018-07-24 06:58:43
Local clock offset: -0.631 ms
Remote clock offset: -4.635 ms

Below is generated by plot.py at 2018-07-24 10:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 13.001 ms
Loss rate: 5.66%
-- Flow 1:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 13.001 ms
Loss rate: 5.66%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

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

End at: 2018-07-24 07:18:32

Local clock offset: 2.322 ms

Remote clock offset: -8.401 ms

Below is generated by plot.py at 2018-07-24 10:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.15 Mbit/s

95th percentile per-packet one-way delay: 7.441 ms

Loss rate: 7.77%

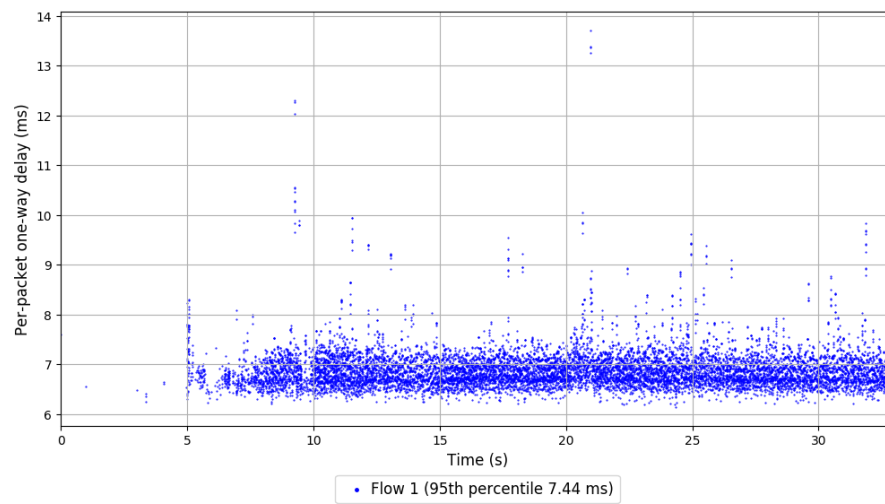
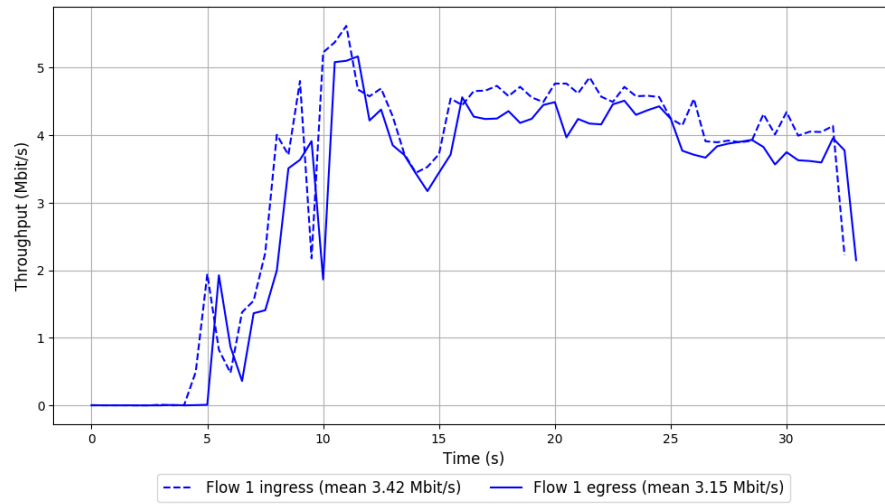
-- Flow 1:

Average throughput: 3.15 Mbit/s

95th percentile per-packet one-way delay: 7.441 ms

Loss rate: 7.77%

Run 2: Report of WebRTC media — Data Link

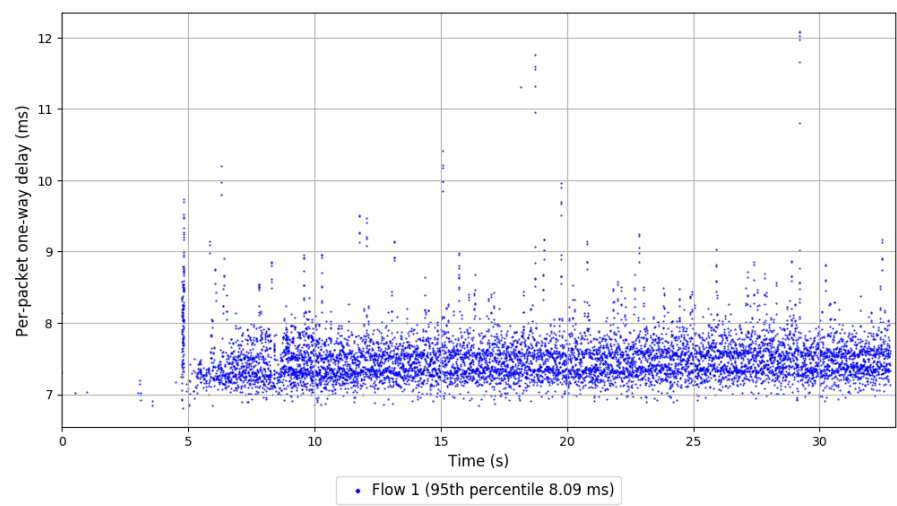
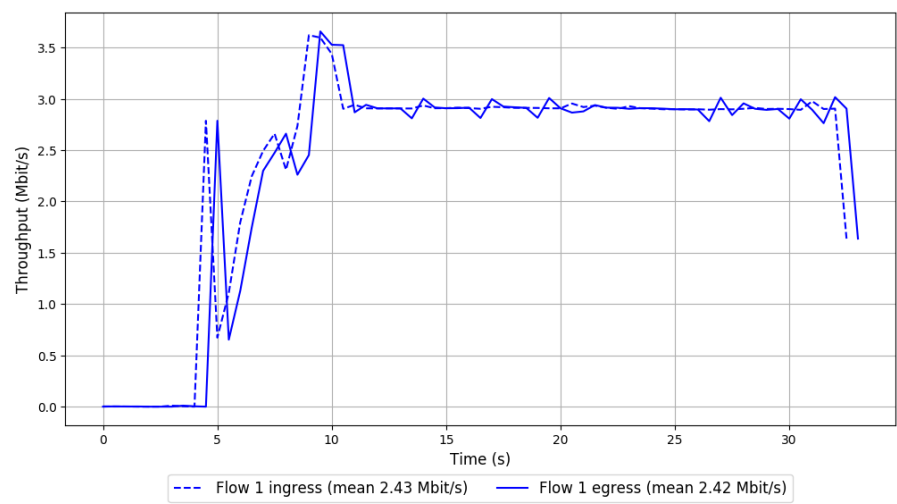


Run 3: Statistics of WebRTC media

Start at: 2018-07-24 07:37:50
End at: 2018-07-24 07:38:20
Local clock offset: 2.783 ms
Remote clock offset: -12.727 ms

Below is generated by plot.py at 2018-07-24 10:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 8.090 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 8.090 ms
Loss rate: 0.38%

Run 3: Report of WebRTC media — Data Link

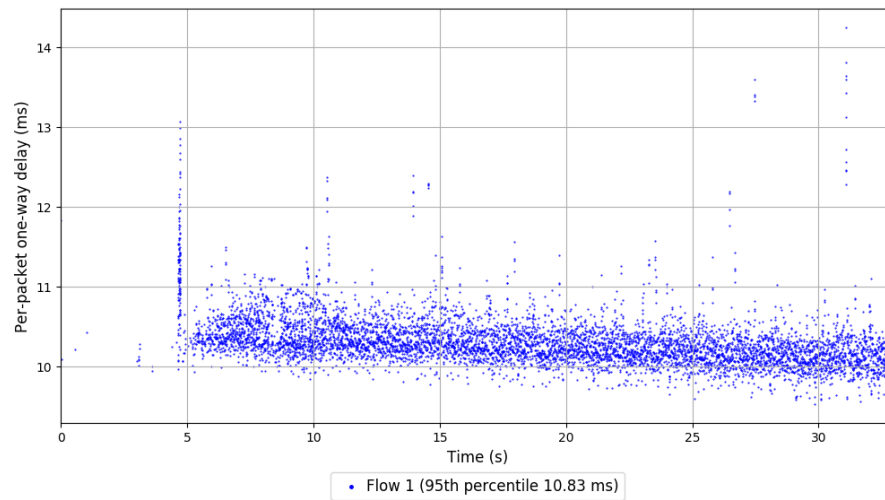
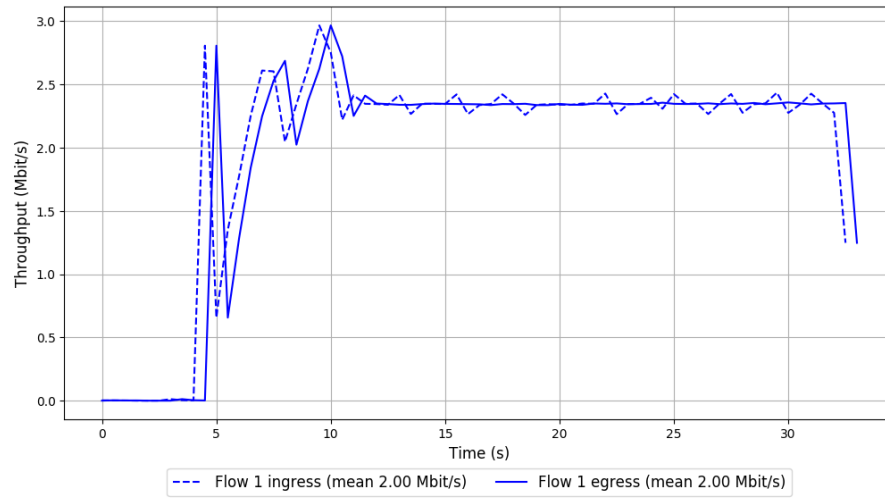


Run 4: Statistics of WebRTC media

Start at: 2018-07-24 07:58:19
End at: 2018-07-24 07:58:49
Local clock offset: 0.225 ms
Remote clock offset: -13.87 ms

Below is generated by plot.py at 2018-07-24 10:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 10.827 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 10.827 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

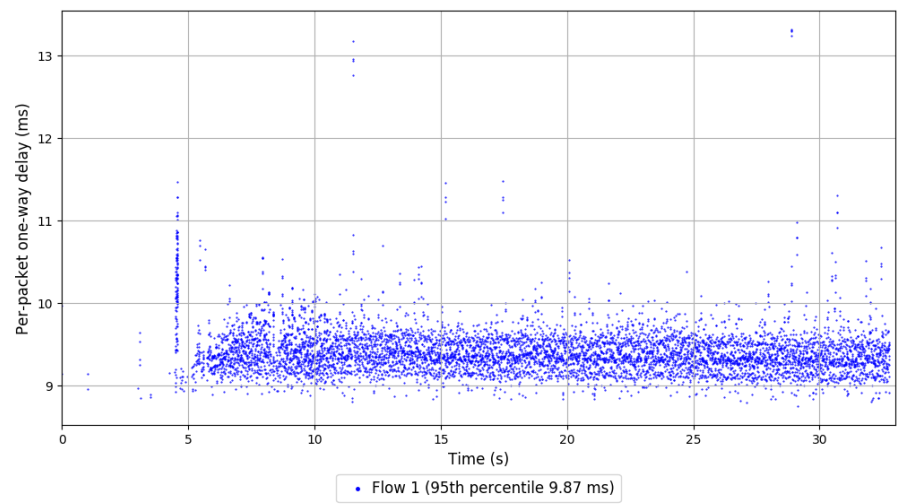
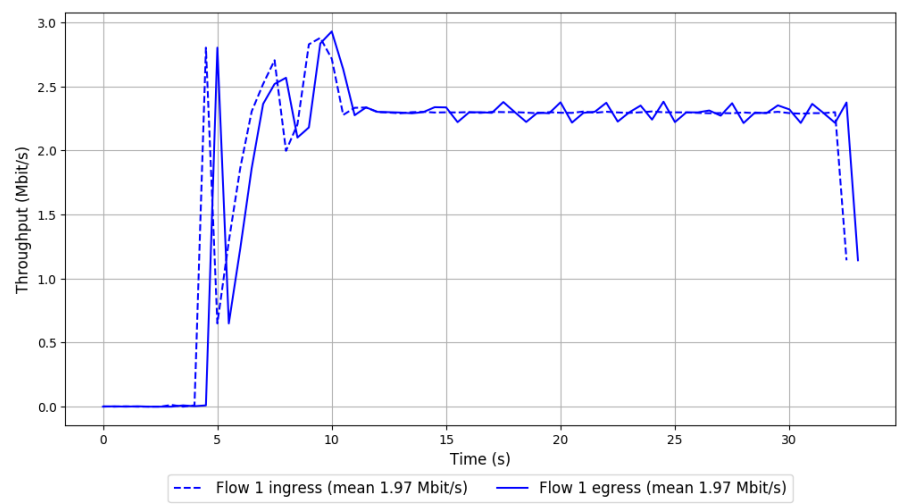


Run 5: Statistics of WebRTC media

Start at: 2018-07-24 08:18:28
End at: 2018-07-24 08:18:58
Local clock offset: 0.369 ms
Remote clock offset: -6.495 ms

Below is generated by plot.py at 2018-07-24 10:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 9.865 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 9.865 ms
Loss rate: 0.03%

Run 5: Report of WebRTC media — Data Link

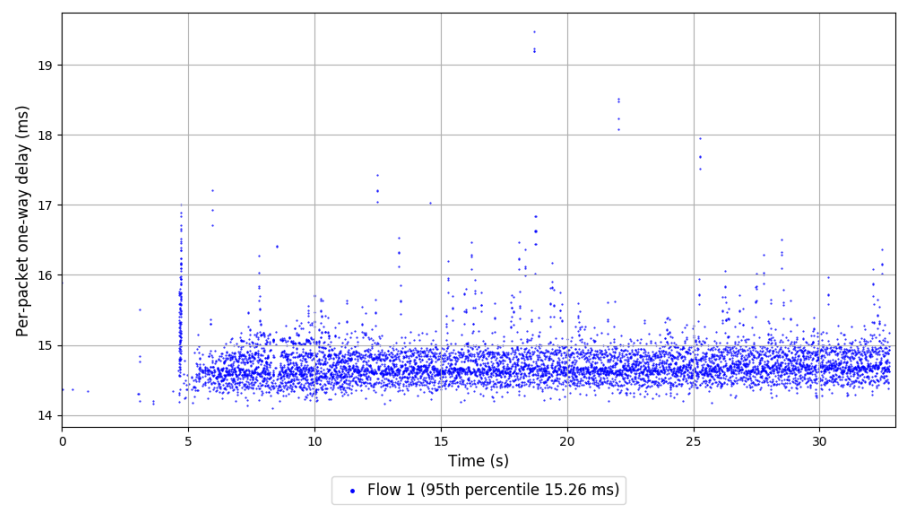
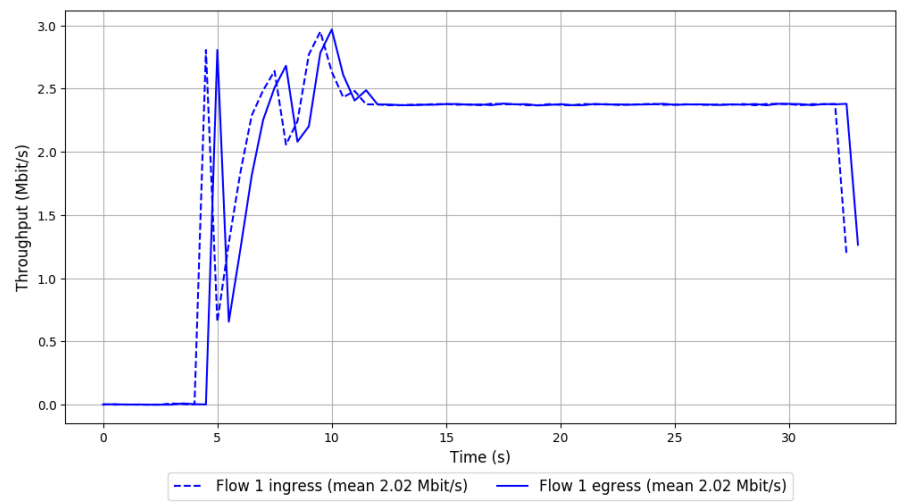


Run 6: Statistics of WebRTC media

Start at: 2018-07-24 08:38:29
End at: 2018-07-24 08:38:59
Local clock offset: 0.1 ms
Remote clock offset: -2.562 ms

Below is generated by plot.py at 2018-07-24 10:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 15.260 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 15.260 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-24 08:58:16

End at: 2018-07-24 08:58:46

Local clock offset: 0.144 ms

Remote clock offset: 3.061 ms

Below is generated by plot.py at 2018-07-24 10:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.66 Mbit/s

95th percentile per-packet one-way delay: 21.579 ms

Loss rate: 2.64%

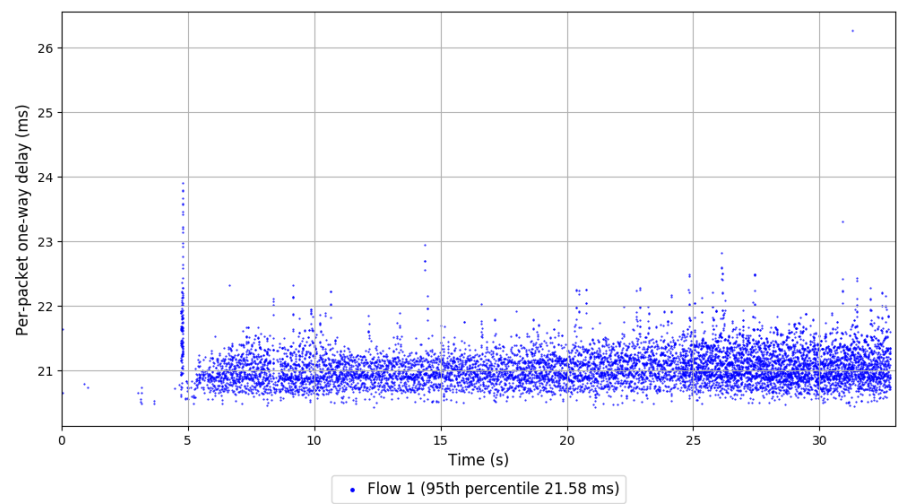
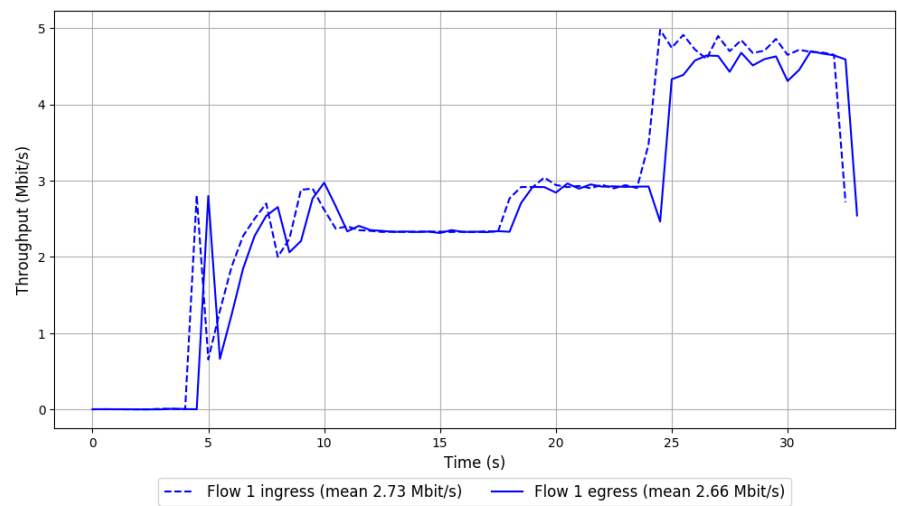
-- Flow 1:

Average throughput: 2.66 Mbit/s

95th percentile per-packet one-way delay: 21.579 ms

Loss rate: 2.64%

Run 7: Report of WebRTC media — Data Link

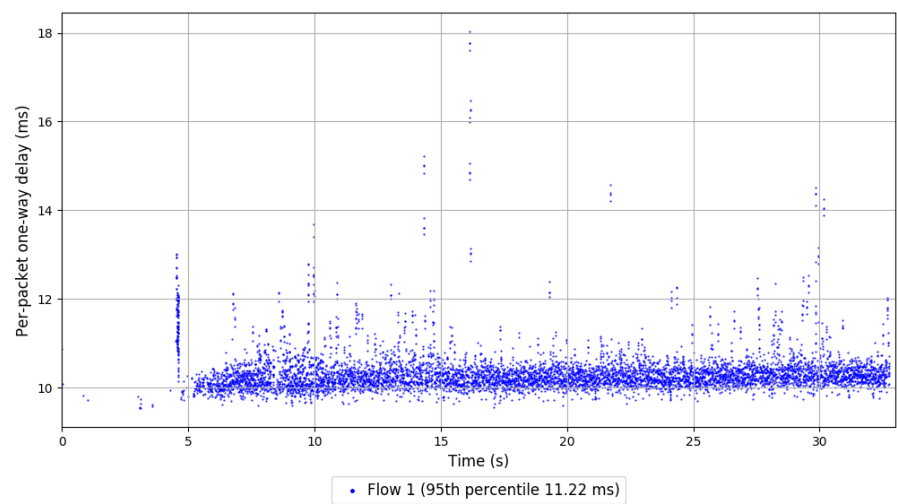
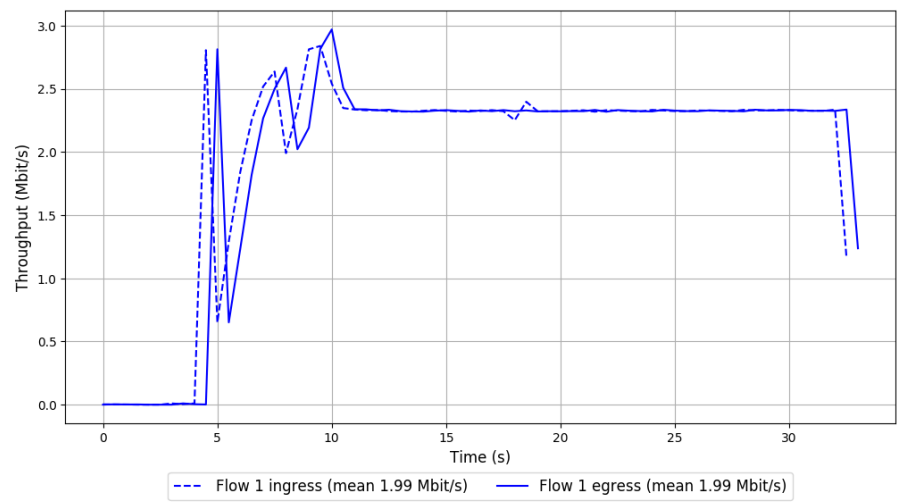


Run 8: Statistics of WebRTC media

Start at: 2018-07-24 09:17:54
End at: 2018-07-24 09:18:24
Local clock offset: 1.068 ms
Remote clock offset: -13.776 ms

Below is generated by plot.py at 2018-07-24 10:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 11.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 11.222 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-24 09:37:56

End at: 2018-07-24 09:38:26

Local clock offset: 0.652 ms

Remote clock offset: -2.23 ms

Below is generated by plot.py at 2018-07-24 10:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 25.470 ms

Loss rate: 0.00%

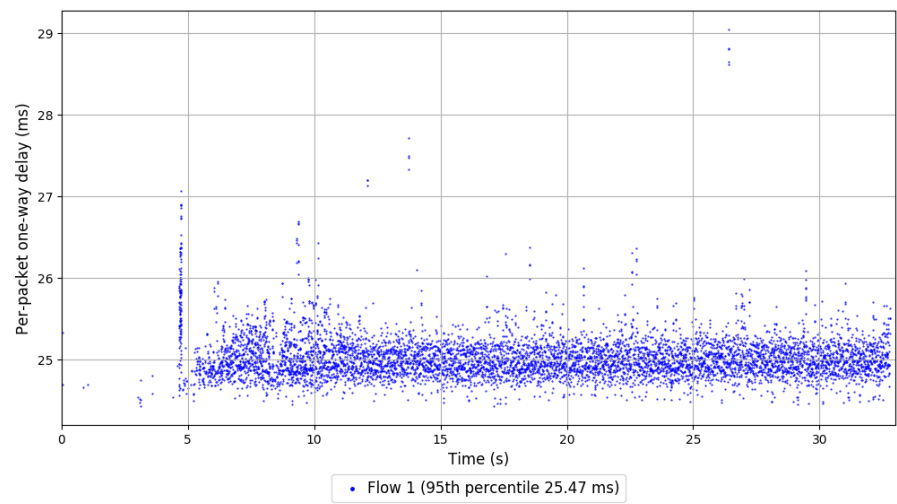
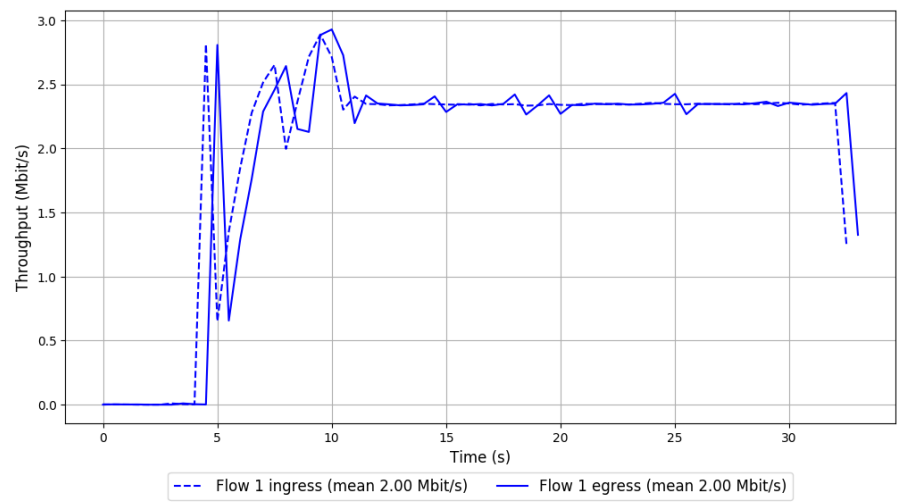
-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 25.470 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-24 09:57:45

End at: 2018-07-24 09:58:15

Local clock offset: -0.768 ms

Remote clock offset: -3.175 ms

Below is generated by plot.py at 2018-07-24 10:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 20.877 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 20.877 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

