

Pantheon Report

Generated at 2018-07-25 03:12:28 (UTC).

Data path: Colombia Ethernet (*remote*) → AWS Brazil 2 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

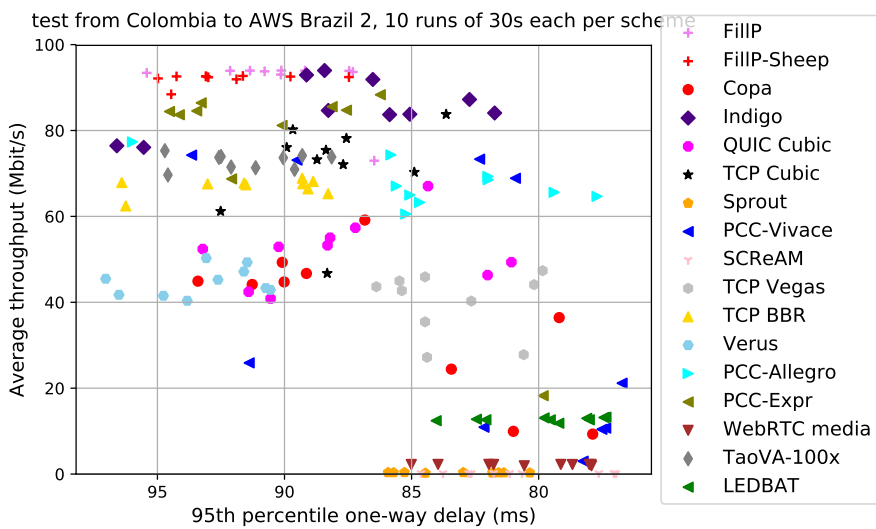
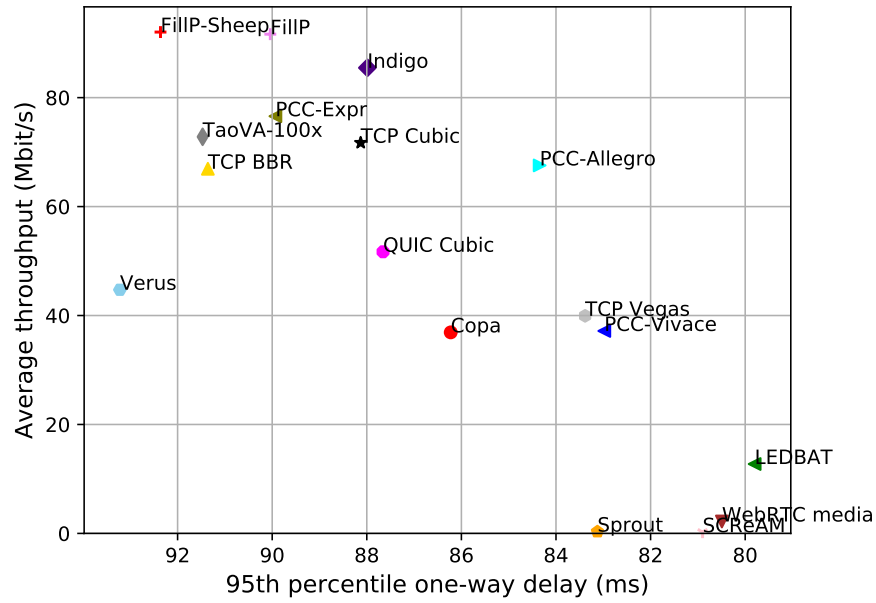
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `gps.ntp.br` 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 @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Colombia to AWS Brazil 2, 10 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	66.94	91.36	1.59
Copa	10	36.91	86.23	1.26
TCP Cubic	10	71.71	88.13	0.56
FillP	10	91.65	90.04	1.86
FillP-Sheep	10	92.03	92.36	0.62
Indigo	10	85.48	87.99	3.14
LEDBAT	10	12.74	79.80	1.10
PCC-Allegro	10	67.56	84.35	0.65
PCC-Expr	10	76.59	89.93	0.80
QUIC Cubic	10	51.70	87.66	1.06
SCReAM	10	0.22	80.90	0.60
Sprout	10	0.33	83.12	0.29
TaoVA-100x	10	72.81	91.47	0.70
TCP Vegas	10	39.94	83.38	0.60
Verus	10	44.73	93.22	2.62
PCC-Vivace	10	37.16	82.98	1.05
WebRTC media	10	2.18	80.49	0.36

Run 1: Statistics of TCP BBR

Start at: 2018-07-24 23:42:46

End at: 2018-07-24 23:43:16

Local clock offset: -2.866 ms

Remote clock offset: 8.81 ms

Below is generated by plot.py at 2018-07-25 02:57:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.90 Mbit/s

95th percentile per-packet one-way delay: 89.302 ms

Loss rate: 0.97%

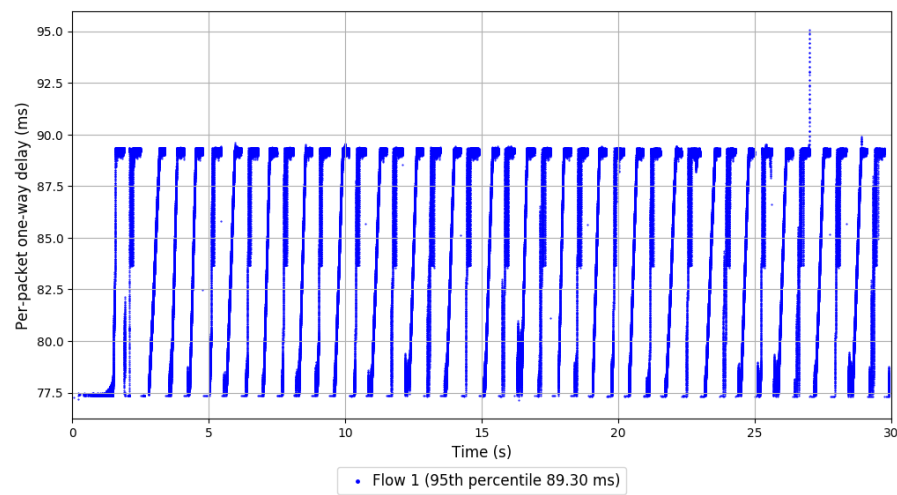
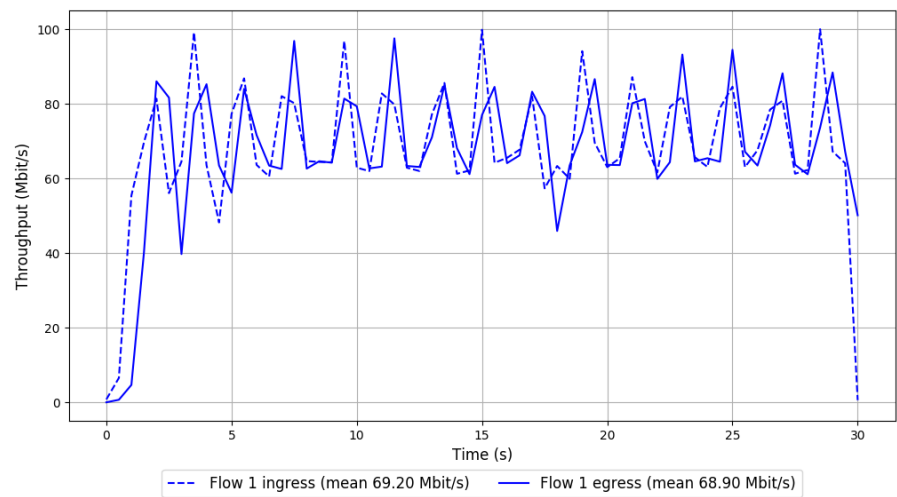
-- Flow 1:

Average throughput: 68.90 Mbit/s

95th percentile per-packet one-way delay: 89.302 ms

Loss rate: 0.97%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-25 00:02:36

End at: 2018-07-25 00:03:06

Local clock offset: -2.915 ms

Remote clock offset: 3.74 ms

Below is generated by plot.py at 2018-07-25 02:57:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.44 Mbit/s

95th percentile per-packet one-way delay: 96.247 ms

Loss rate: 9.18%

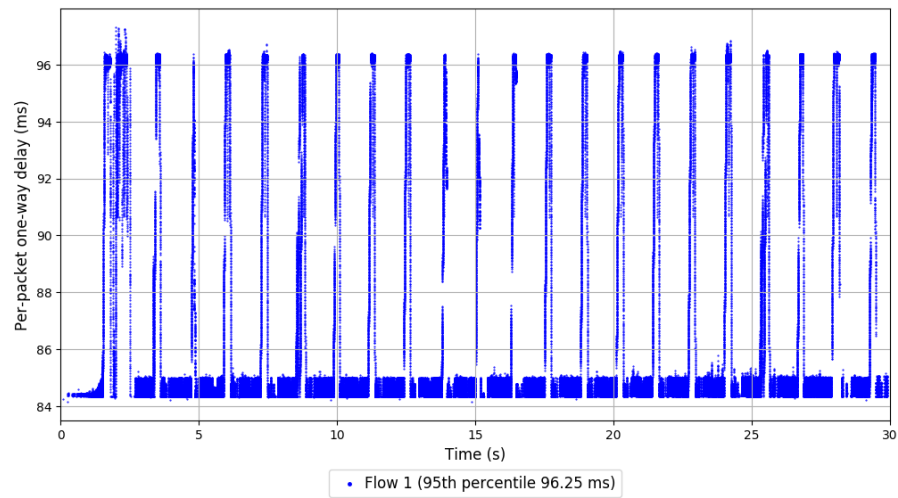
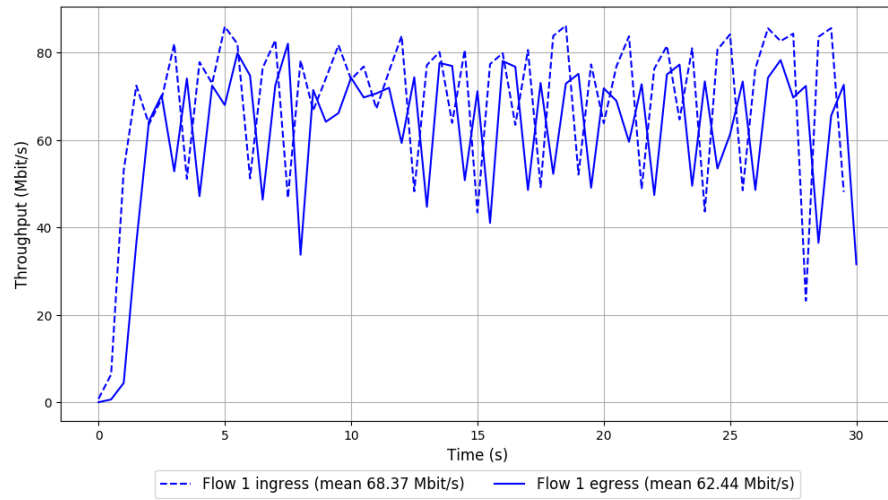
-- Flow 1:

Average throughput: 62.44 Mbit/s

95th percentile per-packet one-way delay: 96.247 ms

Loss rate: 9.18%

Run 2: Report of TCP BBR — Data Link

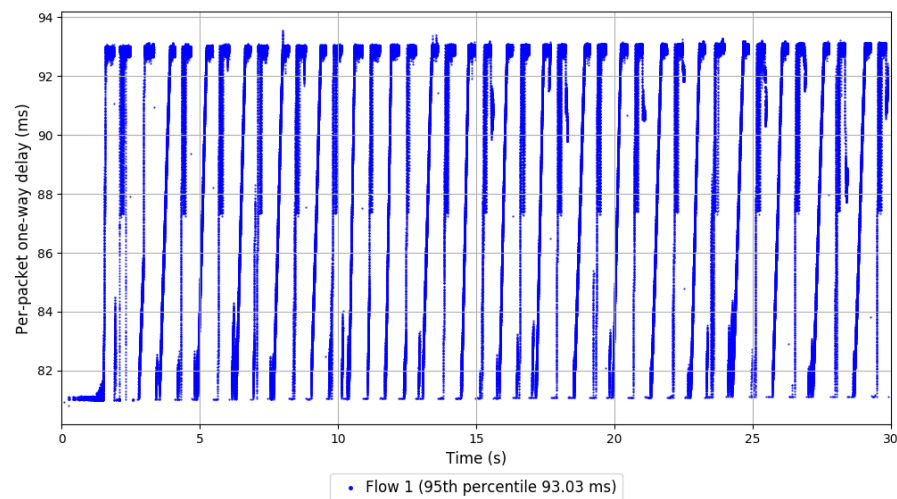
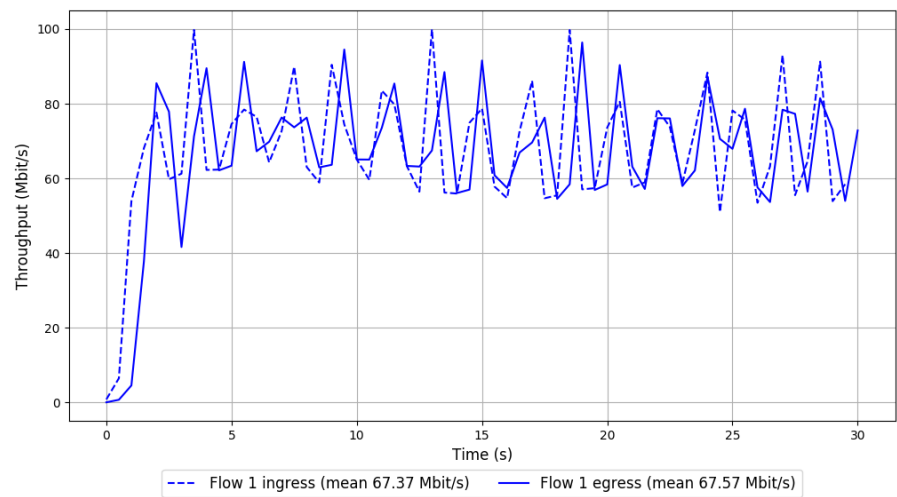


Run 3: Statistics of TCP BBR

Start at: 2018-07-25 00:22:23
End at: 2018-07-25 00:22:53
Local clock offset: -3.044 ms
Remote clock offset: 11.607 ms

Below is generated by plot.py at 2018-07-25 02:57:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.57 Mbit/s
95th percentile per-packet one-way delay: 93.025 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 67.57 Mbit/s
95th percentile per-packet one-way delay: 93.025 ms
Loss rate: 0.29%

Run 3: Report of TCP BBR — Data Link

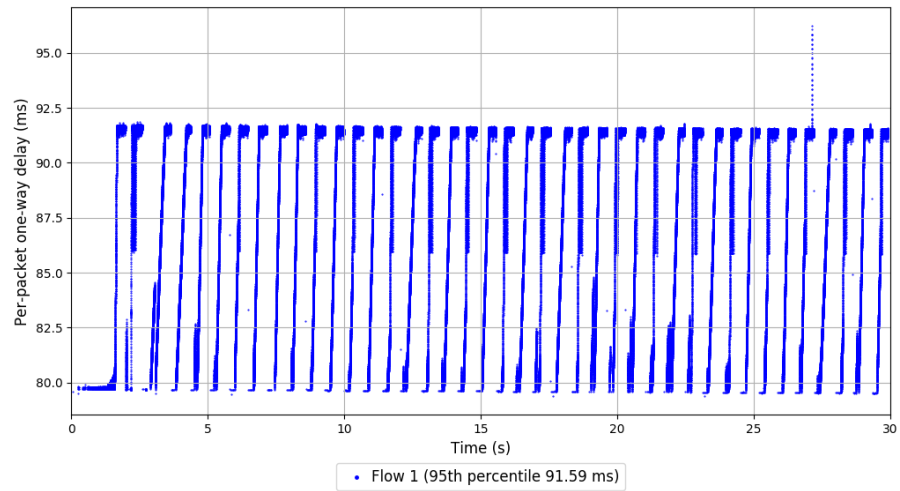
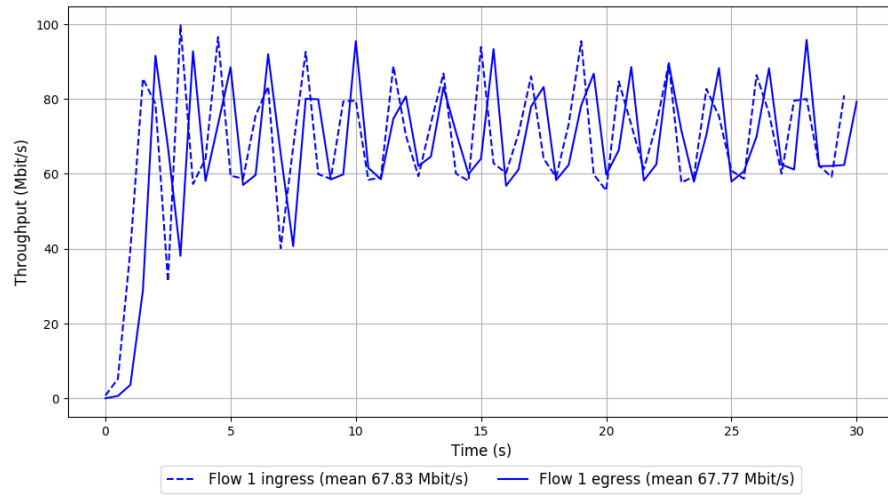


Run 4: Statistics of TCP BBR

Start at: 2018-07-25 00:42:11
End at: 2018-07-25 00:42:41
Local clock offset: -3.034 ms
Remote clock offset: 18.283 ms

Below is generated by plot.py at 2018-07-25 02:57:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.77 Mbit/s
95th percentile per-packet one-way delay: 91.587 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 67.77 Mbit/s
95th percentile per-packet one-way delay: 91.587 ms
Loss rate: 0.60%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

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

End at: 2018-07-25 01:02:32

Local clock offset: -2.938 ms

Remote clock offset: 16.68 ms

Below is generated by plot.py at 2018-07-25 02:57:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.15 Mbit/s

95th percentile per-packet one-way delay: 88.873 ms

Loss rate: 1.05%

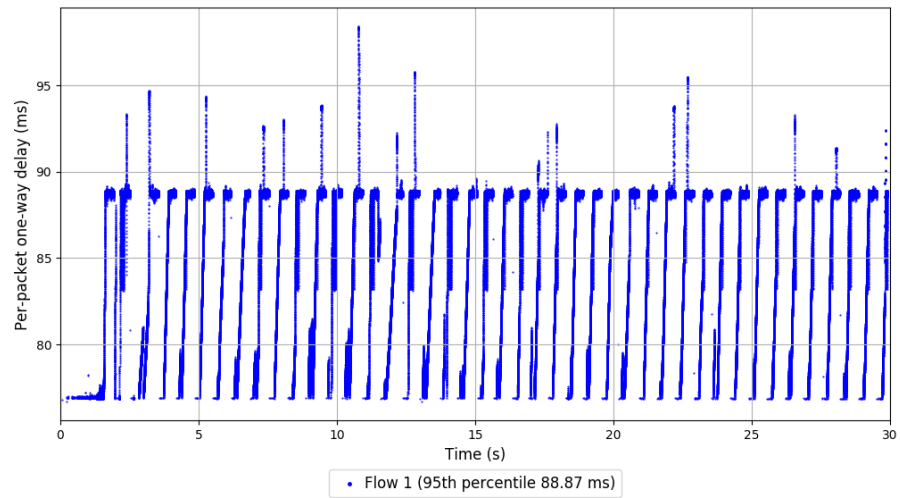
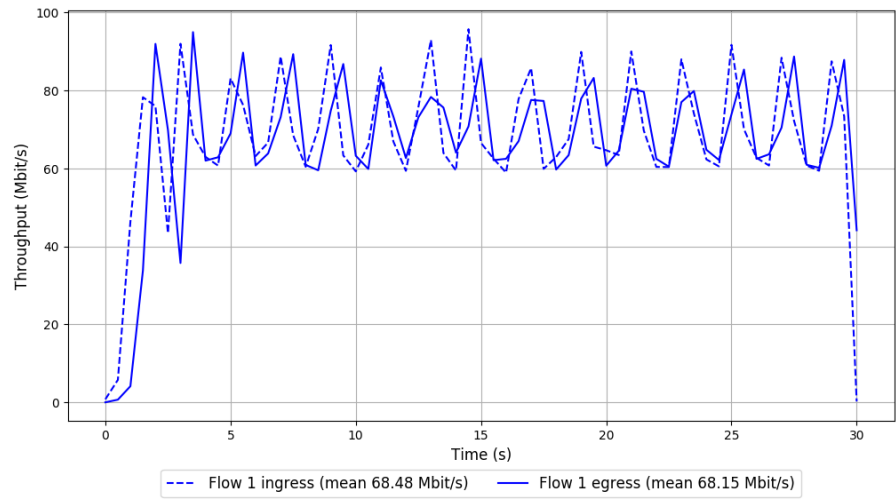
-- Flow 1:

Average throughput: 68.15 Mbit/s

95th percentile per-packet one-way delay: 88.873 ms

Loss rate: 1.05%

Run 5: Report of TCP BBR — Data Link

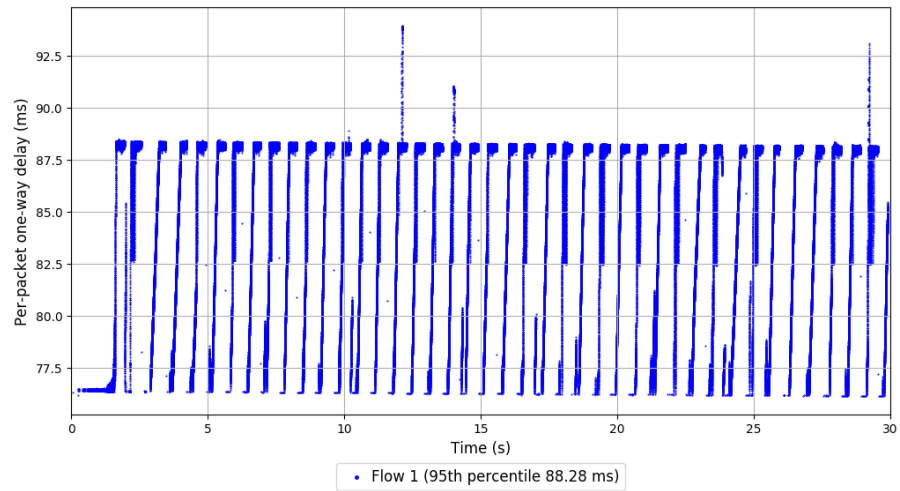
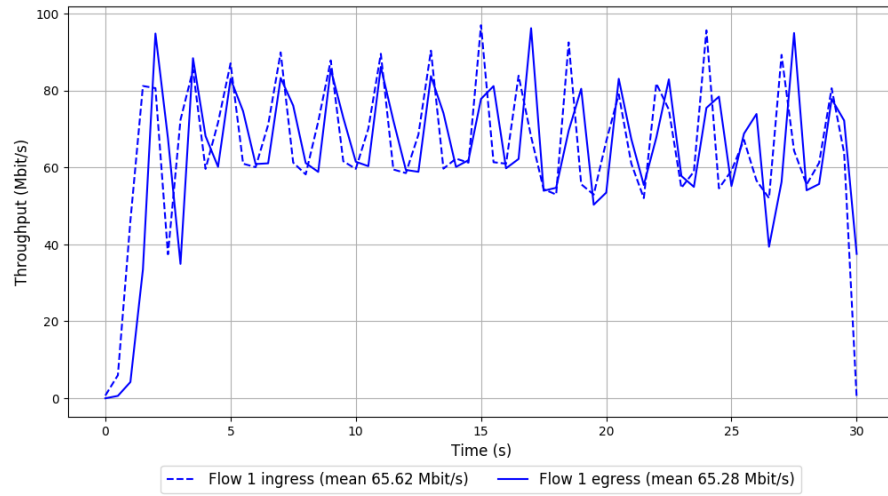


Run 6: Statistics of TCP BBR

Start at: 2018-07-25 01:21:51
End at: 2018-07-25 01:22:21
Local clock offset: -2.773 ms
Remote clock offset: 12.901 ms

Below is generated by plot.py at 2018-07-25 02:57:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.28 Mbit/s
95th percentile per-packet one-way delay: 88.285 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 65.28 Mbit/s
95th percentile per-packet one-way delay: 88.285 ms
Loss rate: 1.08%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-25 01:41:37

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

Local clock offset: -2.849 ms

Remote clock offset: 6.703 ms

Below is generated by plot.py at 2018-07-25 02:57:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.42 Mbit/s

95th percentile per-packet one-way delay: 89.076 ms

Loss rate: 0.75%

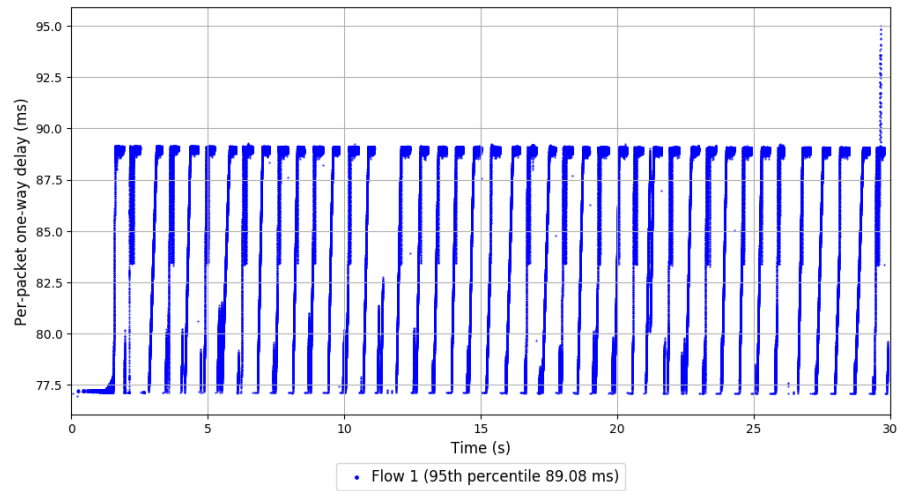
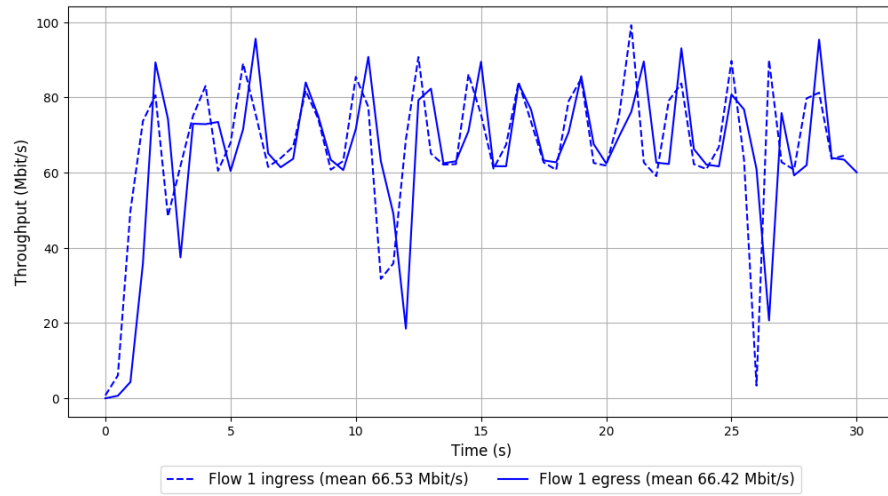
-- Flow 1:

Average throughput: 66.42 Mbit/s

95th percentile per-packet one-way delay: 89.076 ms

Loss rate: 0.75%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-25 02:01:21

End at: 2018-07-25 02:01:51

Local clock offset: -2.912 ms

Remote clock offset: 6.174 ms

Below is generated by plot.py at 2018-07-25 02:57:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.89 Mbit/s

95th percentile per-packet one-way delay: 96.403 ms

Loss rate: 0.24%

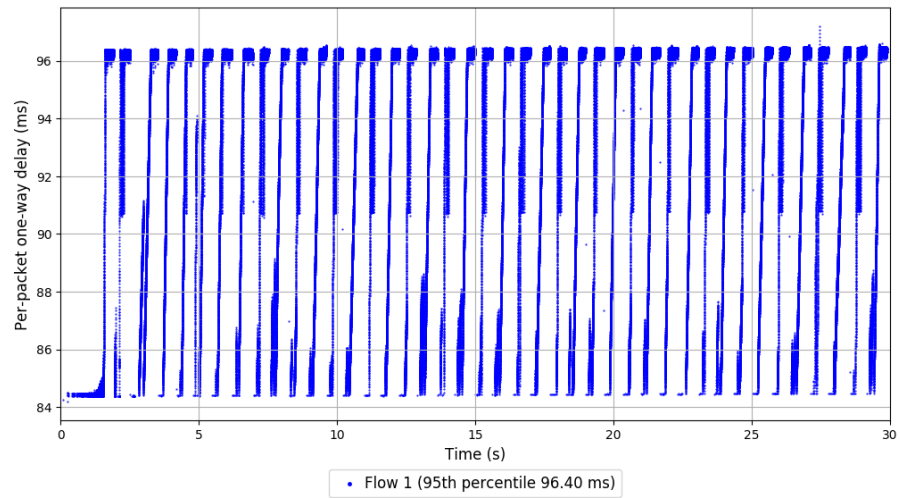
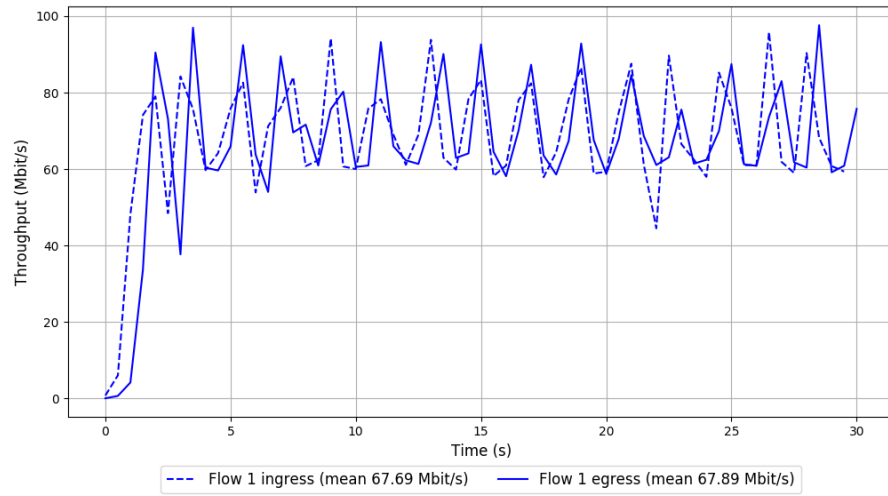
-- Flow 1:

Average throughput: 67.89 Mbit/s

95th percentile per-packet one-way delay: 96.403 ms

Loss rate: 0.24%

Run 8: Report of TCP BBR — Data Link

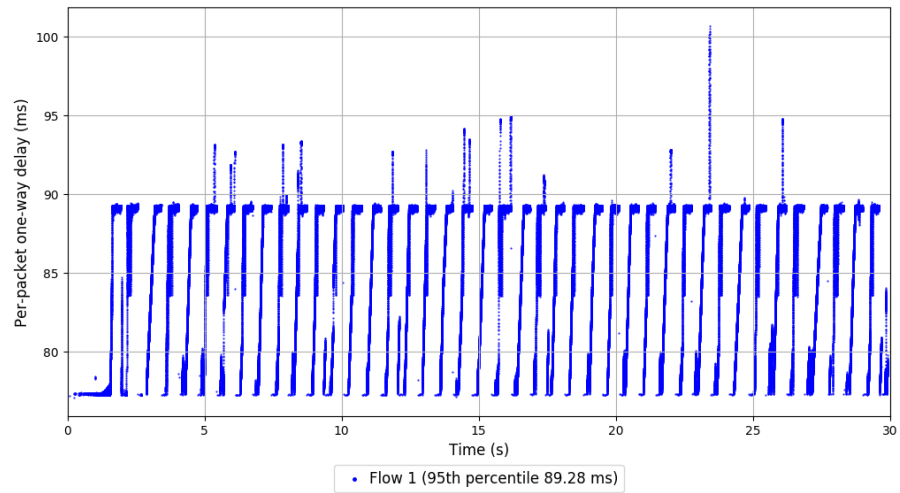
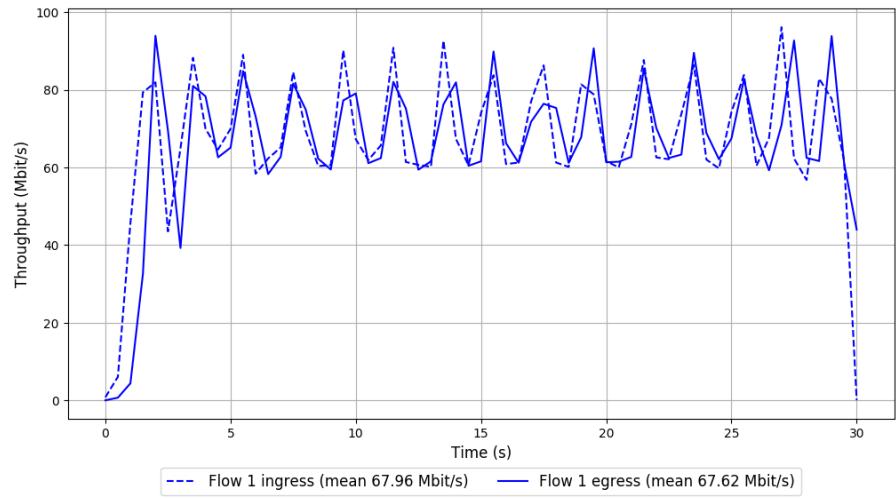


Run 9: Statistics of TCP BBR

Start at: 2018-07-25 02:21:00
End at: 2018-07-25 02:21:30
Local clock offset: -2.687 ms
Remote clock offset: 13.863 ms

Below is generated by plot.py at 2018-07-25 02:58:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.62 Mbit/s
95th percentile per-packet one-way delay: 89.280 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 67.62 Mbit/s
95th percentile per-packet one-way delay: 89.280 ms
Loss rate: 1.08%

Run 9: Report of TCP BBR — Data Link

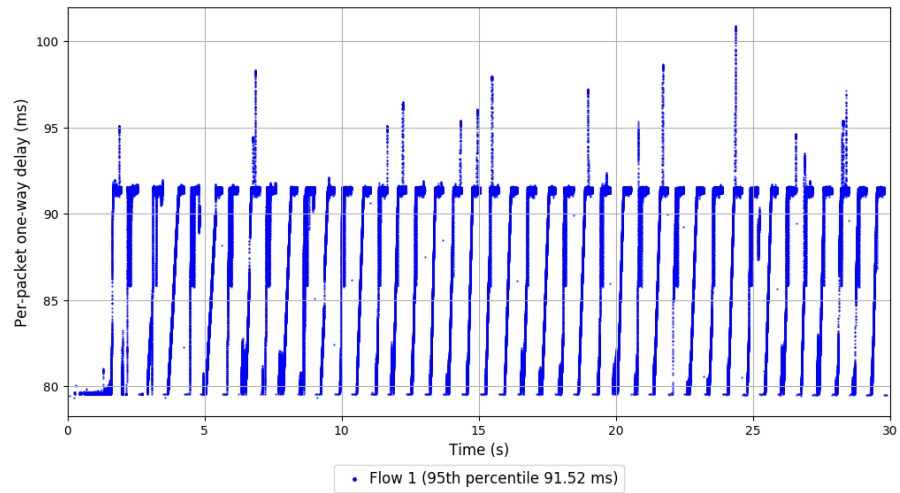
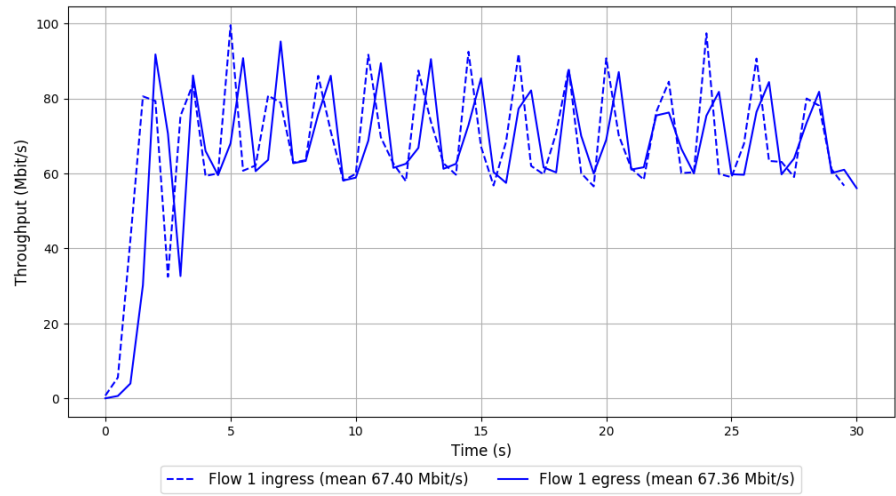


Run 10: Statistics of TCP BBR

Start at: 2018-07-25 02:40:45
End at: 2018-07-25 02:41:15
Local clock offset: -2.626 ms
Remote clock offset: 10.727 ms

Below is generated by plot.py at 2018-07-25 02:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.36 Mbit/s
95th percentile per-packet one-way delay: 91.520 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 67.36 Mbit/s
95th percentile per-packet one-way delay: 91.520 ms
Loss rate: 0.67%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-24 23:49:43

End at: 2018-07-24 23:50:13

Local clock offset: -2.859 ms

Remote clock offset: 7.593 ms

Below is generated by plot.py at 2018-07-25 02:58:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.14 Mbit/s

95th percentile per-packet one-way delay: 91.271 ms

Loss rate: 4.99%

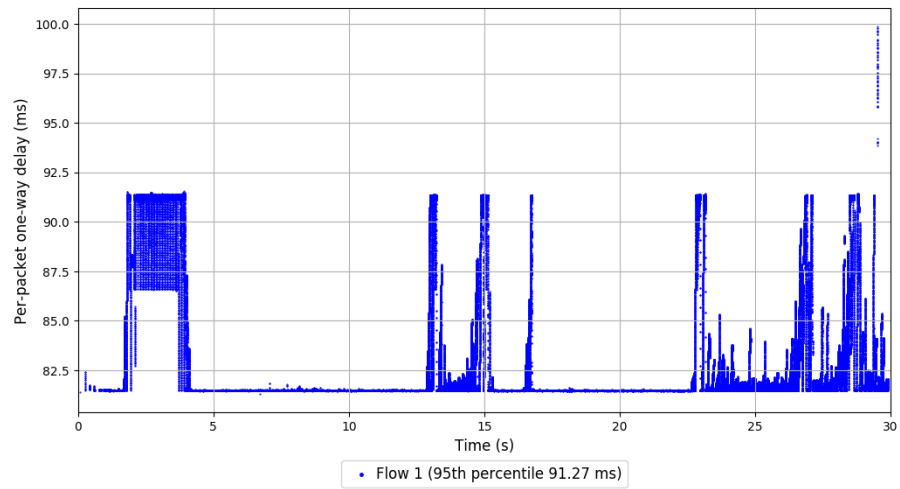
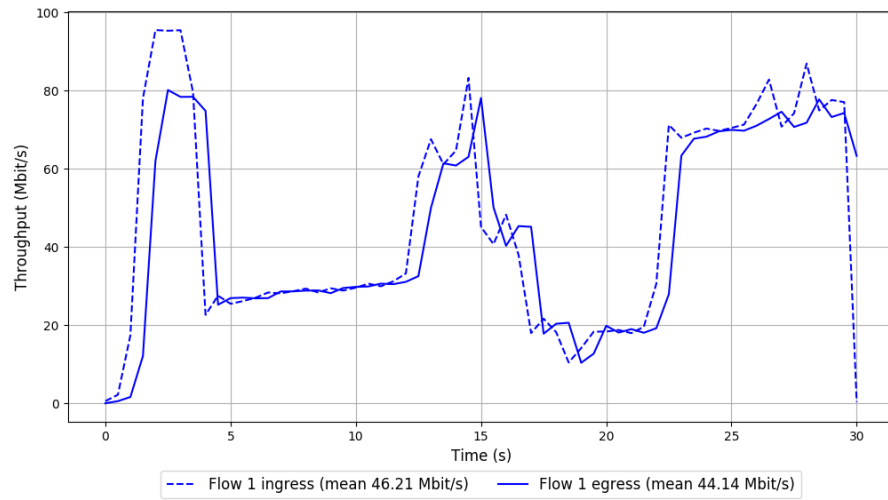
-- Flow 1:

Average throughput: 44.14 Mbit/s

95th percentile per-packet one-way delay: 91.271 ms

Loss rate: 4.99%

Run 1: Report of Copa — Data Link

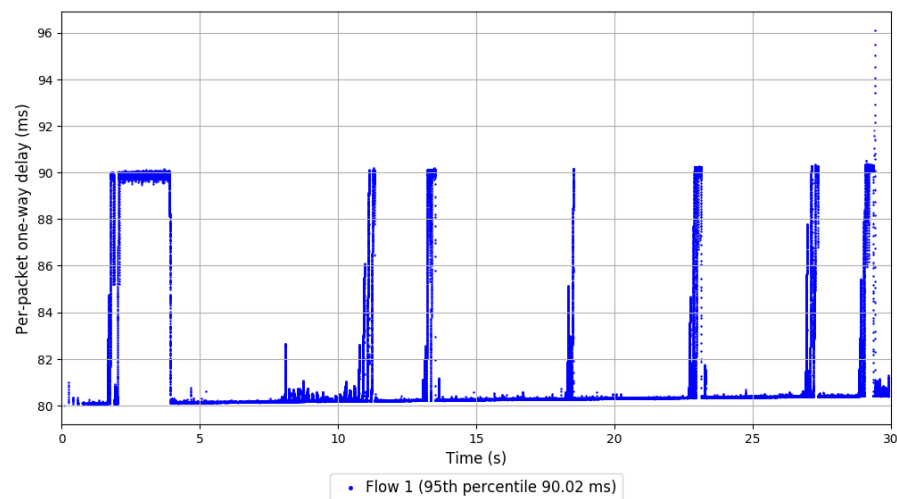
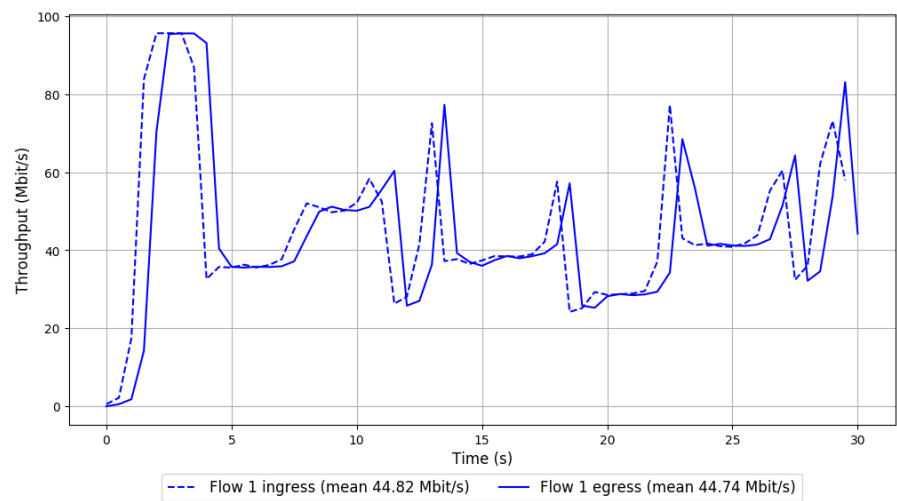


Run 2: Statistics of Copa

Start at: 2018-07-25 00:09:33
End at: 2018-07-25 00:10:03
Local clock offset: -2.965 ms
Remote clock offset: 9.85 ms

Below is generated by plot.py at 2018-07-25 02:58:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 90.015 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 90.015 ms
Loss rate: 0.73%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-25 00:29:17

End at: 2018-07-25 00:29:47

Local clock offset: -3.088 ms

Remote clock offset: 16.71 ms

Below is generated by plot.py at 2018-07-25 02:58:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.30 Mbit/s

95th percentile per-packet one-way delay: 90.089 ms

Loss rate: 2.67%

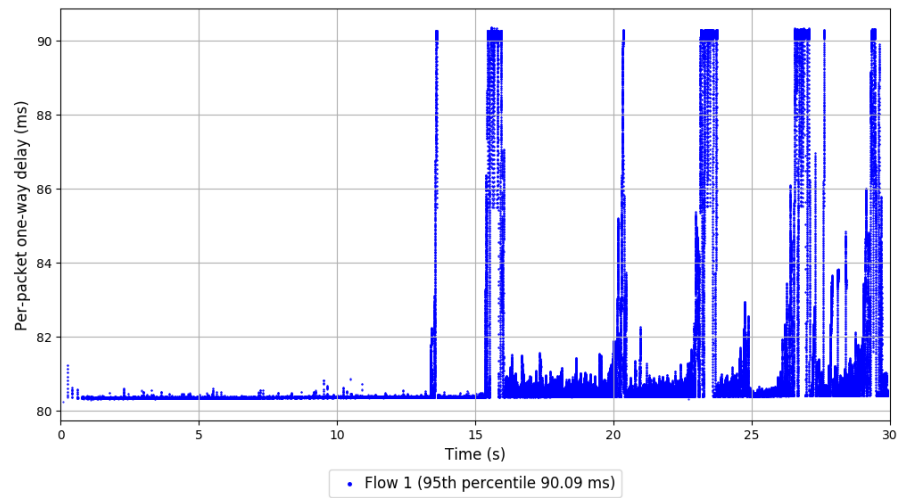
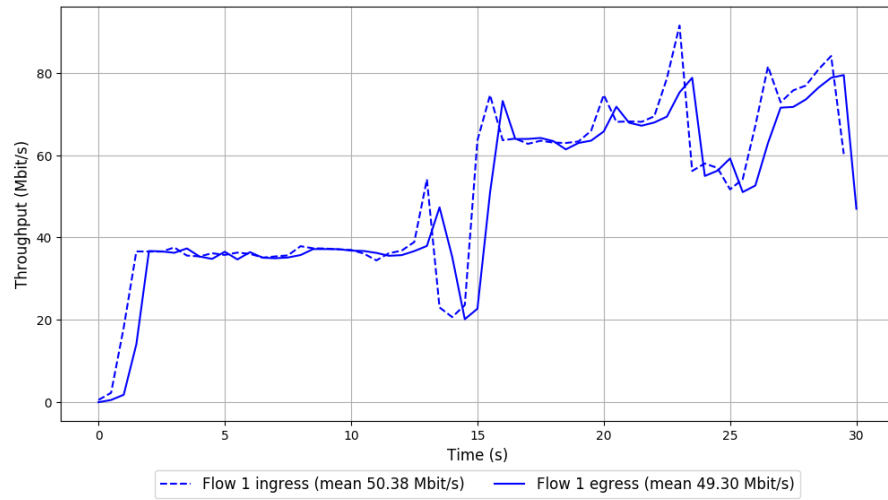
-- Flow 1:

Average throughput: 49.30 Mbit/s

95th percentile per-packet one-way delay: 90.089 ms

Loss rate: 2.67%

Run 3: Report of Copa — Data Link

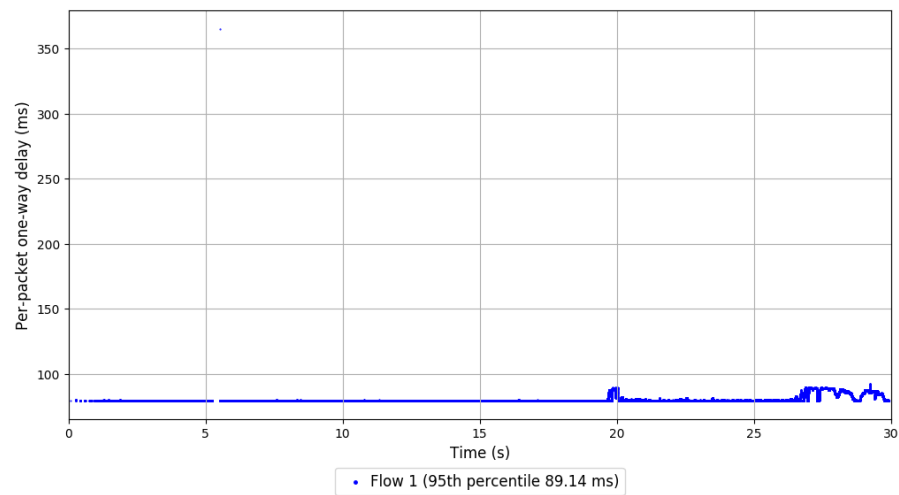
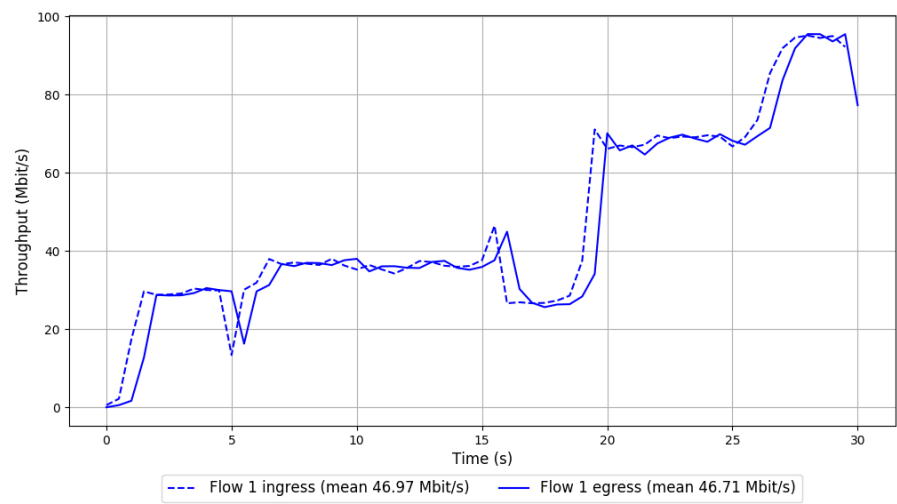


Run 4: Statistics of Copa

Start at: 2018-07-25 00:49:08
End at: 2018-07-25 00:49:38
Local clock offset: -3.023 ms
Remote clock offset: 16.508 ms

Below is generated by plot.py at 2018-07-25 02:58:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 89.138 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 89.138 ms
Loss rate: 1.11%

Run 4: Report of Copa — Data Link

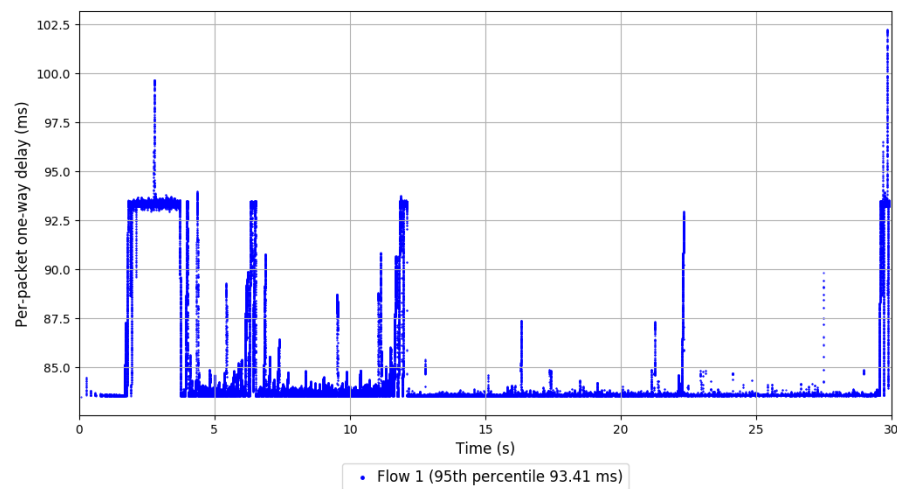
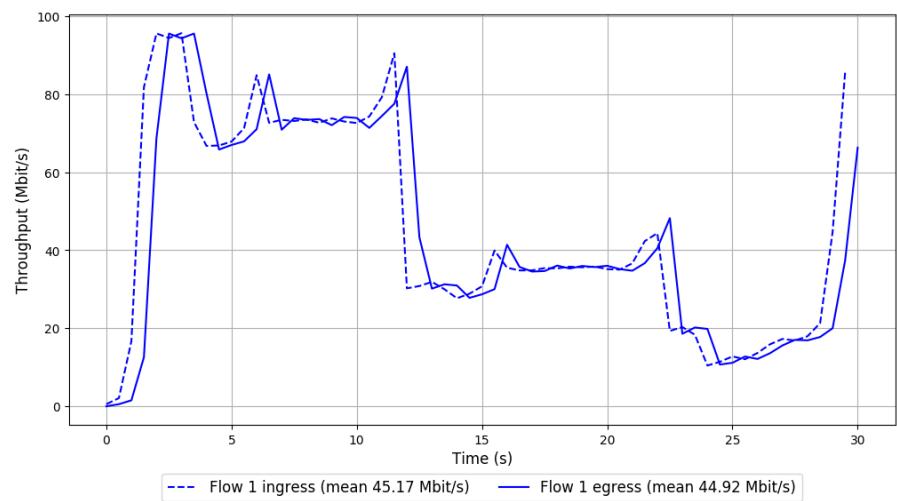


Run 5: Statistics of Copa

Start at: 2018-07-25 01:09:00
End at: 2018-07-25 01:09:30
Local clock offset: -2.907 ms
Remote clock offset: 11.983 ms

Below is generated by plot.py at 2018-07-25 02:58:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 93.406 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 93.406 ms
Loss rate: 1.11%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-25 01:28:46

End at: 2018-07-25 01:29:16

Local clock offset: -2.812 ms

Remote clock offset: 5.526 ms

Below is generated by plot.py at 2018-07-25 02:58:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.43 Mbit/s

95th percentile per-packet one-way delay: 83.435 ms

Loss rate: 0.28%

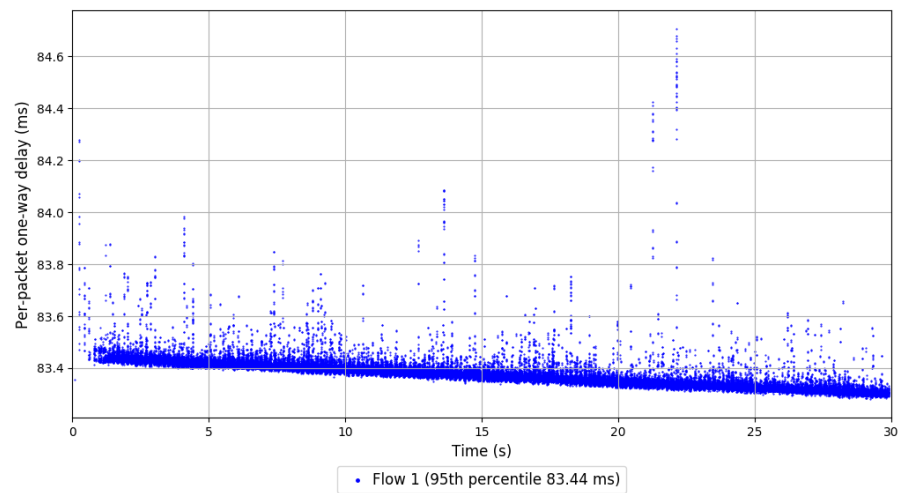
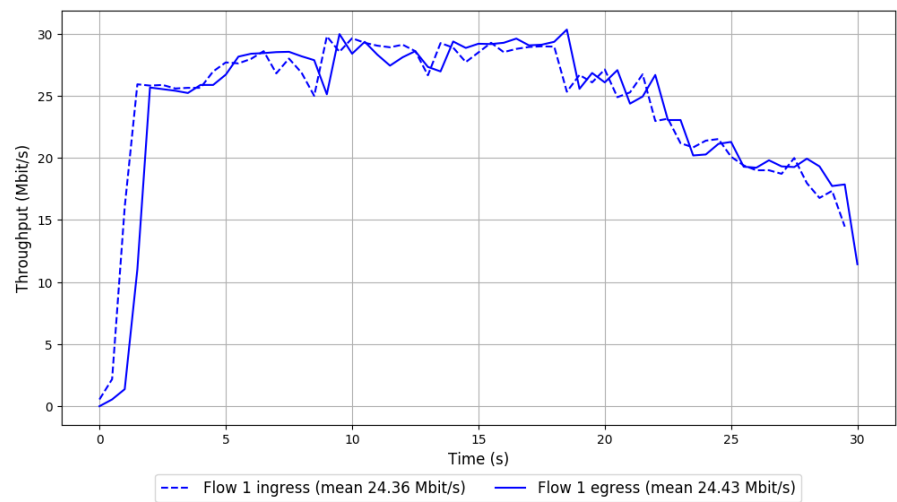
-- Flow 1:

Average throughput: 24.43 Mbit/s

95th percentile per-packet one-way delay: 83.435 ms

Loss rate: 0.28%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-25 01:48:32

End at: 2018-07-25 01:49:02

Local clock offset: -2.875 ms

Remote clock offset: 4.627 ms

Below is generated by plot.py at 2018-07-25 02:58:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.95 Mbit/s

95th percentile per-packet one-way delay: 80.995 ms

Loss rate: 0.54%

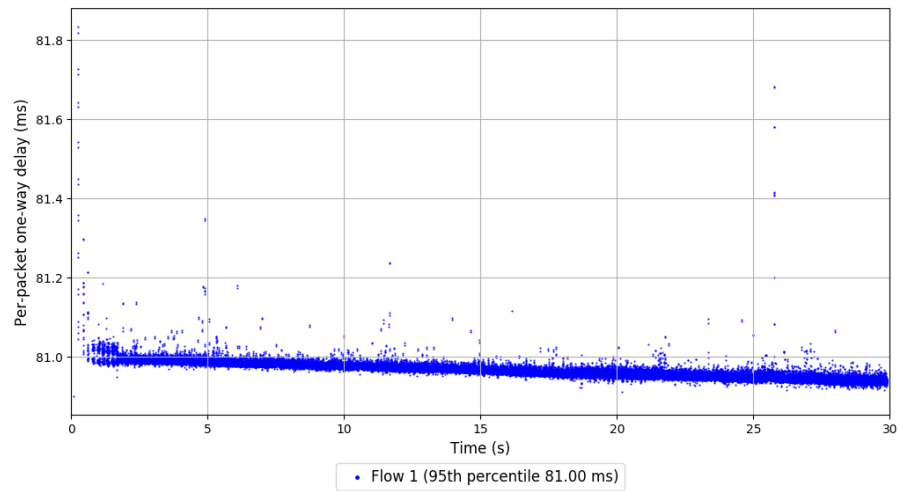
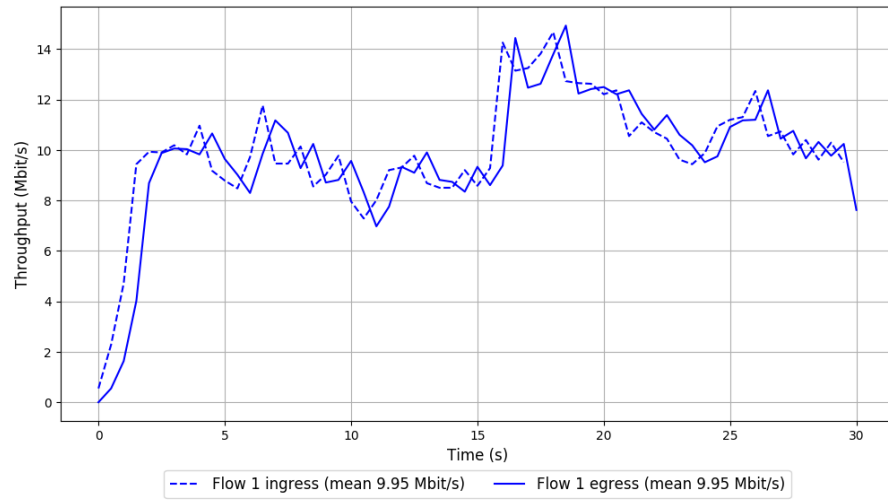
-- Flow 1:

Average throughput: 9.95 Mbit/s

95th percentile per-packet one-way delay: 80.995 ms

Loss rate: 0.54%

Run 7: Report of Copa — Data Link

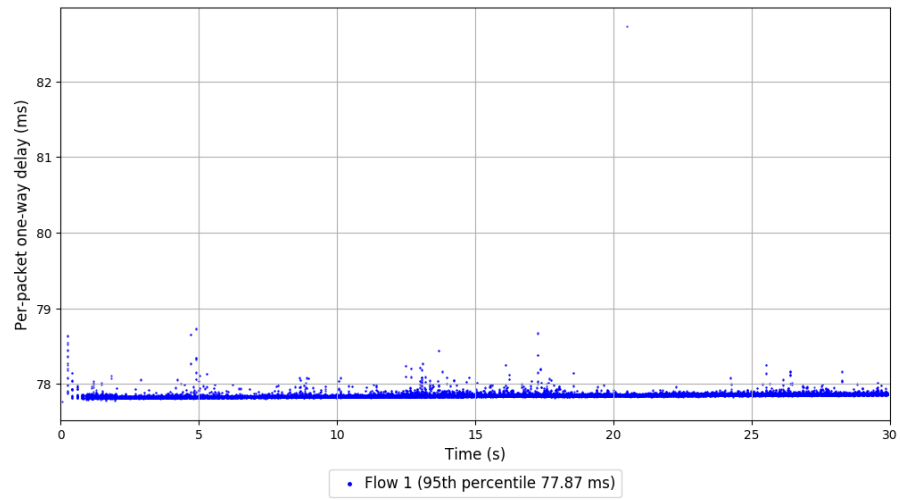
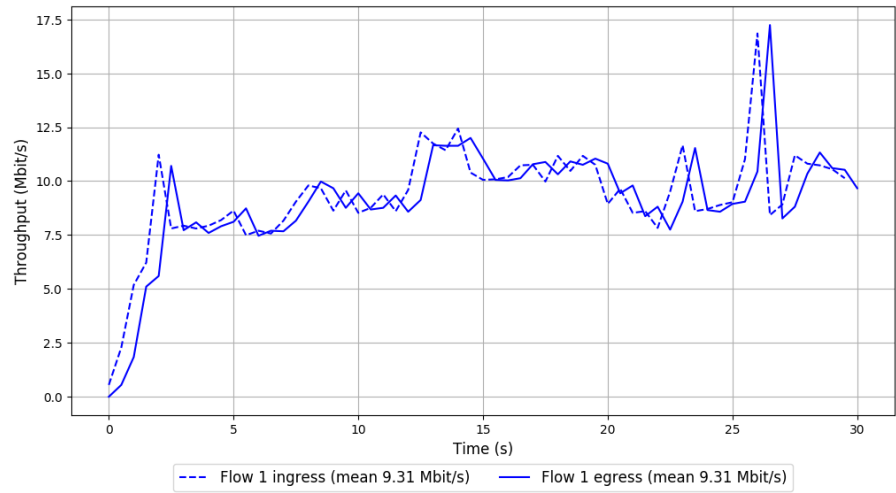


Run 8: Statistics of Copa

Start at: 2018-07-25 02:08:16
End at: 2018-07-25 02:08:46
Local clock offset: -2.842 ms
Remote clock offset: 12.177 ms

Below is generated by plot.py at 2018-07-25 02:58:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 77.874 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 77.874 ms
Loss rate: 0.58%

Run 8: Report of Copa — Data Link

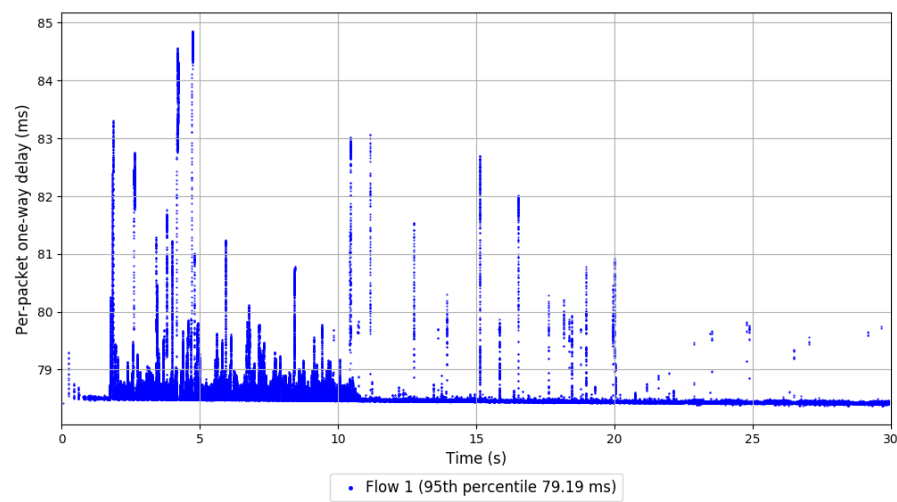
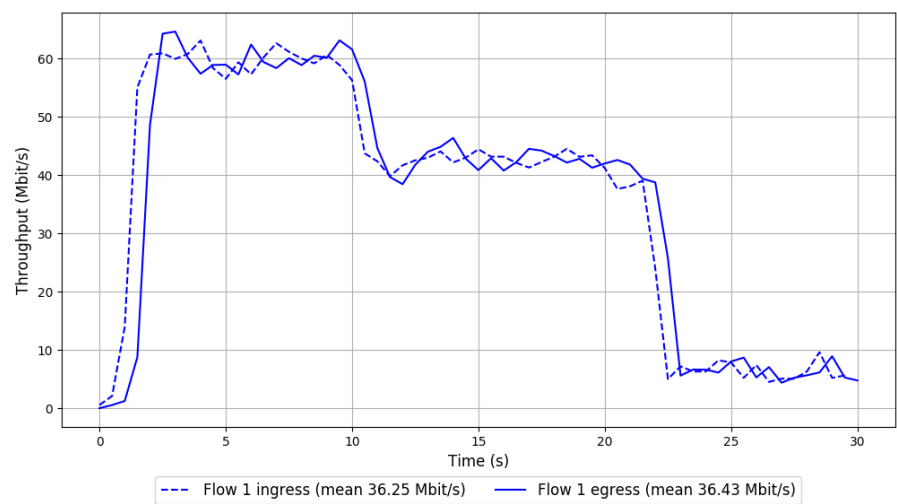


Run 9: Statistics of Copa

Start at: 2018-07-25 02:27:53
End at: 2018-07-25 02:28:23
Local clock offset: -2.638 ms
Remote clock offset: 13.246 ms

Below is generated by plot.py at 2018-07-25 02:58:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 79.192 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 79.192 ms
Loss rate: 0.09%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-25 02:47:39

End at: 2018-07-25 02:48:09

Local clock offset: -2.698 ms

Remote clock offset: 5.406 ms

Below is generated by plot.py at 2018-07-25 02:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.15 Mbit/s

95th percentile per-packet one-way delay: 86.840 ms

Loss rate: 0.53%

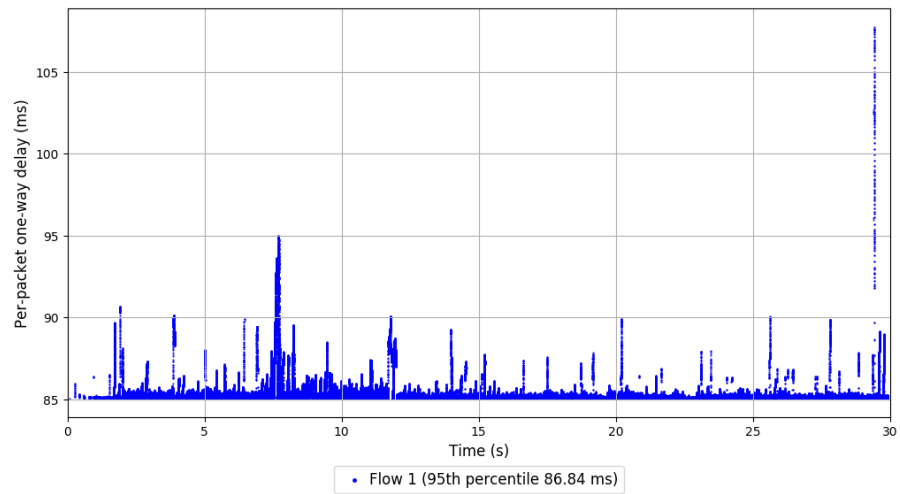
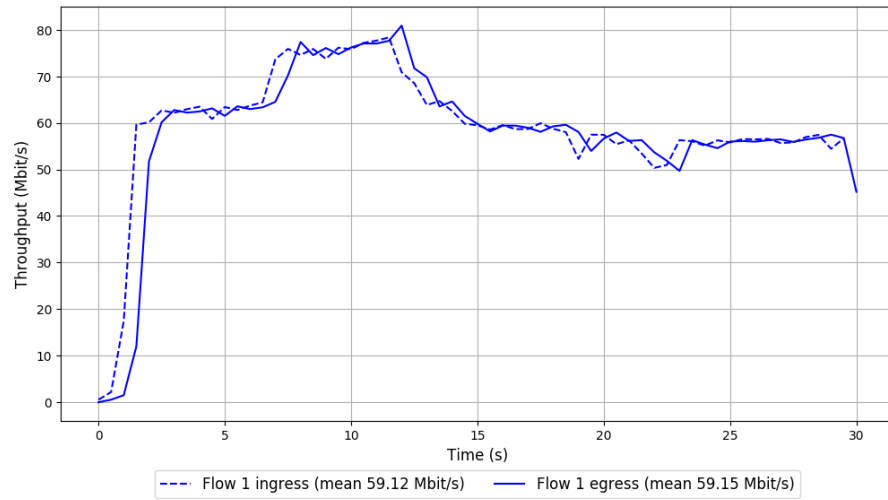
-- Flow 1:

Average throughput: 59.15 Mbit/s

95th percentile per-packet one-way delay: 86.840 ms

Loss rate: 0.53%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-24 23:53:15

End at: 2018-07-24 23:53:45

Local clock offset: -2.939 ms

Remote clock offset: 4.671 ms

Below is generated by plot.py at 2018-07-25 02:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.07 Mbit/s

95th percentile per-packet one-way delay: 87.690 ms

Loss rate: 0.49%

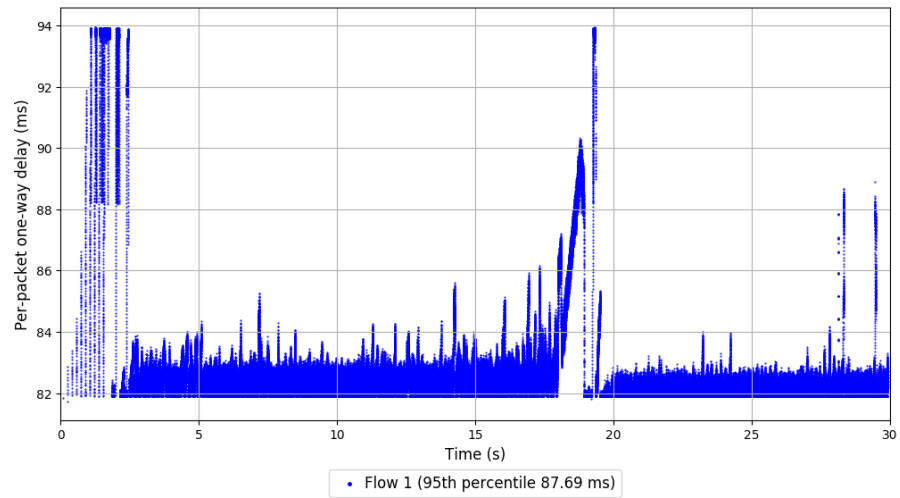
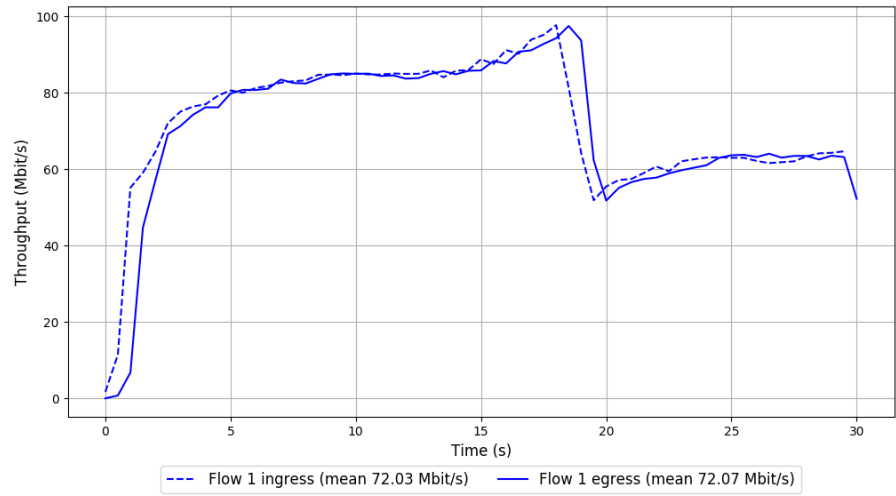
-- Flow 1:

Average throughput: 72.07 Mbit/s

95th percentile per-packet one-way delay: 87.690 ms

Loss rate: 0.49%

Run 1: Report of TCP Cubic — Data Link

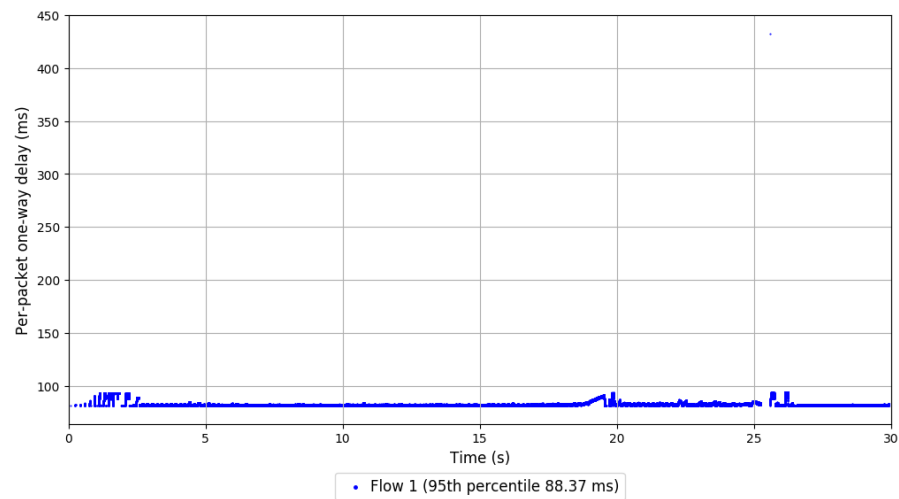
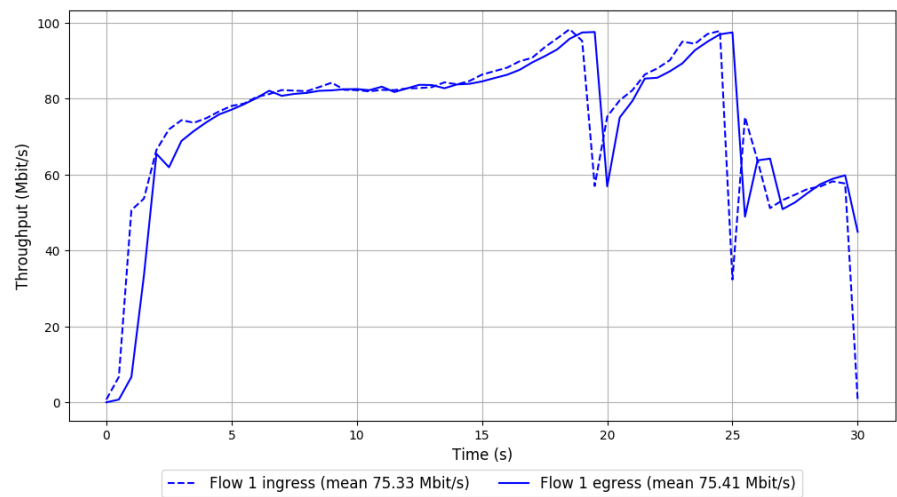


Run 2: Statistics of TCP Cubic

Start at: 2018-07-25 00:13:03
End at: 2018-07-25 00:13:34
Local clock offset: -2.982 ms
Remote clock offset: 11.025 ms

Below is generated by plot.py at 2018-07-25 02:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.41 Mbit/s
95th percentile per-packet one-way delay: 88.368 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 75.41 Mbit/s
95th percentile per-packet one-way delay: 88.368 ms
Loss rate: 0.44%

Run 2: Report of TCP Cubic — Data Link

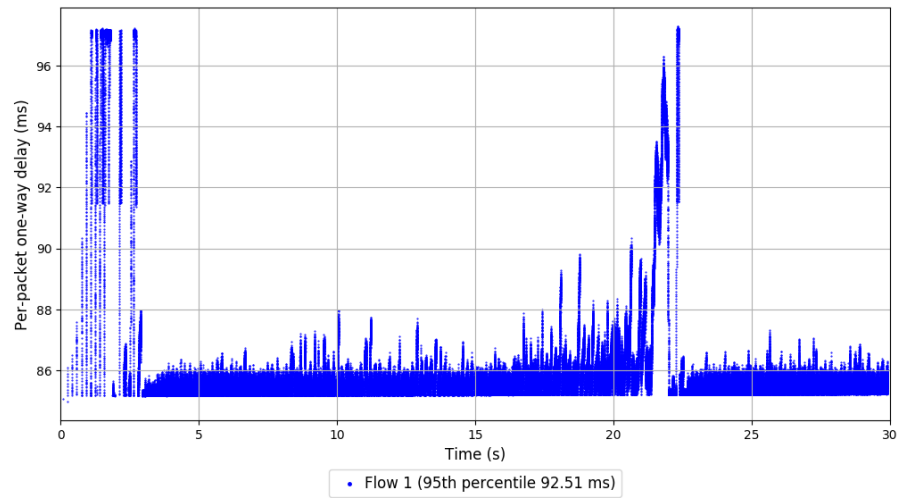
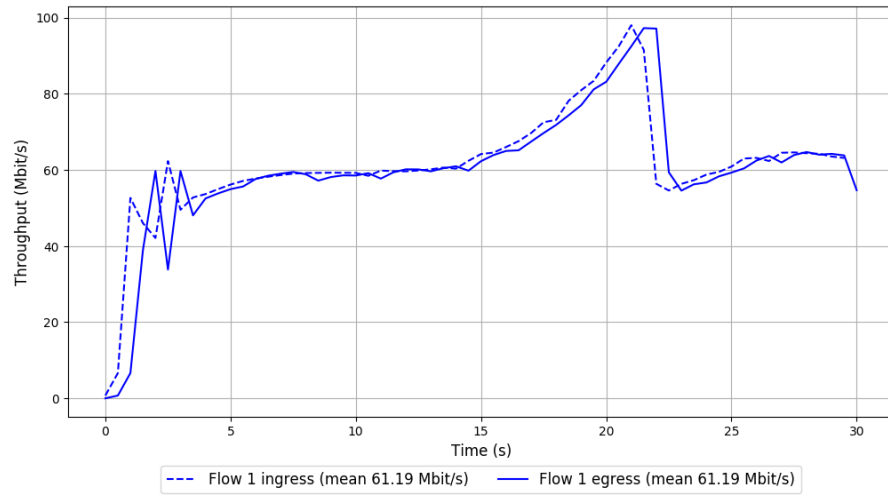


Run 3: Statistics of TCP Cubic

Start at: 2018-07-25 00:32:49
End at: 2018-07-25 00:33:19
Local clock offset: -3.053 ms
Remote clock offset: 12.498 ms

Below is generated by plot.py at 2018-07-25 02:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 92.513 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 92.513 ms
Loss rate: 0.56%

Run 3: Report of TCP Cubic — Data Link

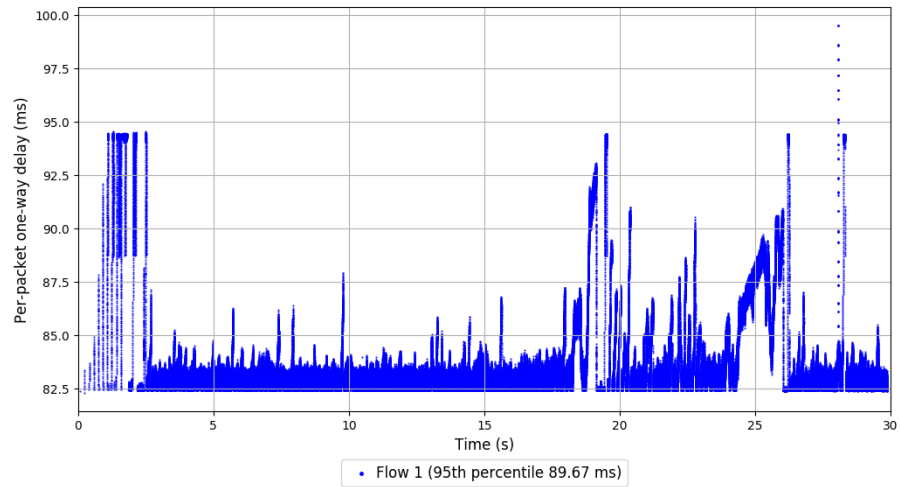
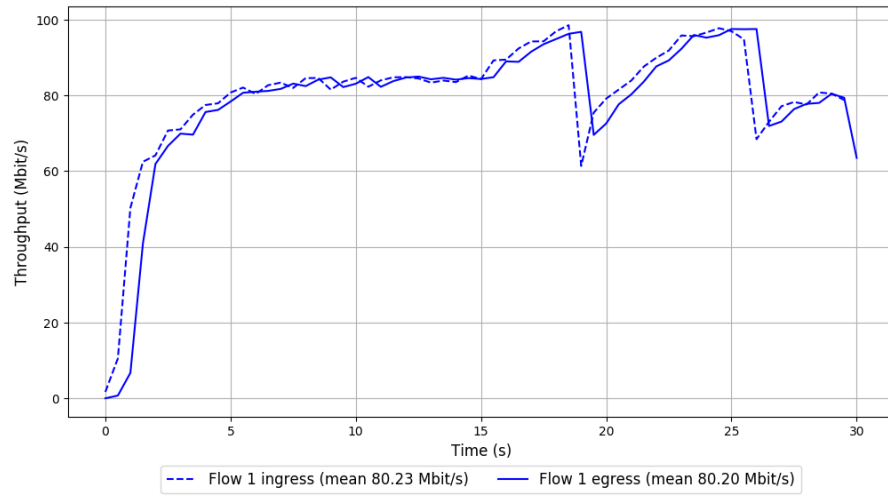


Run 4: Statistics of TCP Cubic

Start at: 2018-07-25 00:52:40
End at: 2018-07-25 00:53:10
Local clock offset: -2.976 ms
Remote clock offset: 11.276 ms

Below is generated by plot.py at 2018-07-25 02:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 89.672 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 89.672 ms
Loss rate: 0.58%

Run 4: Report of TCP Cubic — Data Link

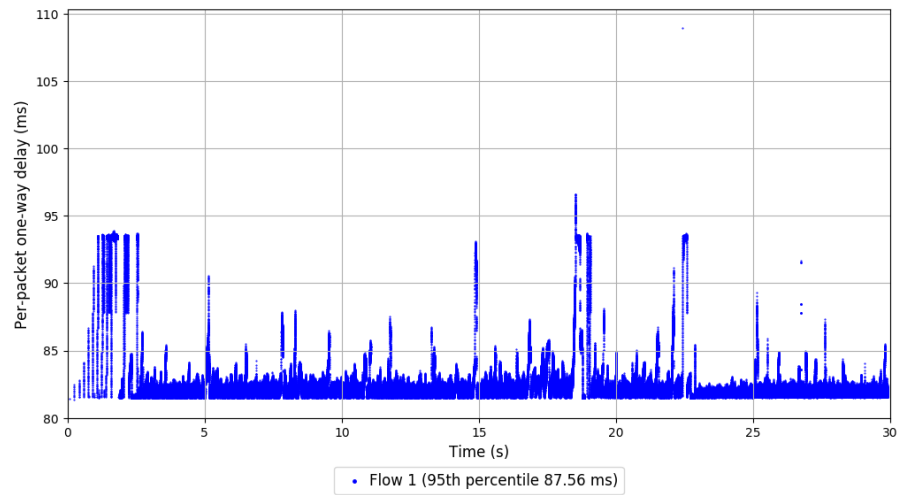
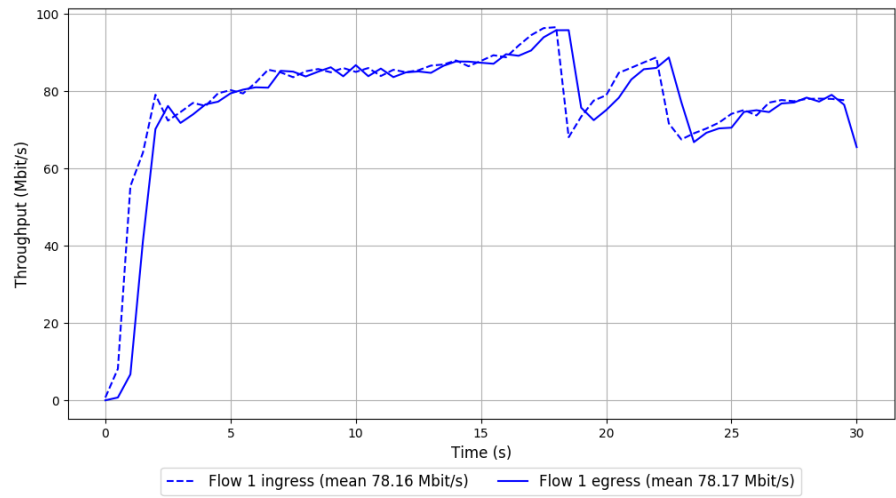


Run 5: Statistics of TCP Cubic

Start at: 2018-07-25 01:12:30
End at: 2018-07-25 01:13:00
Local clock offset: -2.789 ms
Remote clock offset: 12.295 ms

Below is generated by plot.py at 2018-07-25 02:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 87.564 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 87.564 ms
Loss rate: 0.54%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-25 01:32:14

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

Local clock offset: -2.766 ms

Remote clock offset: 7.231 ms

Below is generated by plot.py at 2018-07-25 02:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.77 Mbit/s

95th percentile per-packet one-way delay: 83.639 ms

Loss rate: 0.56%

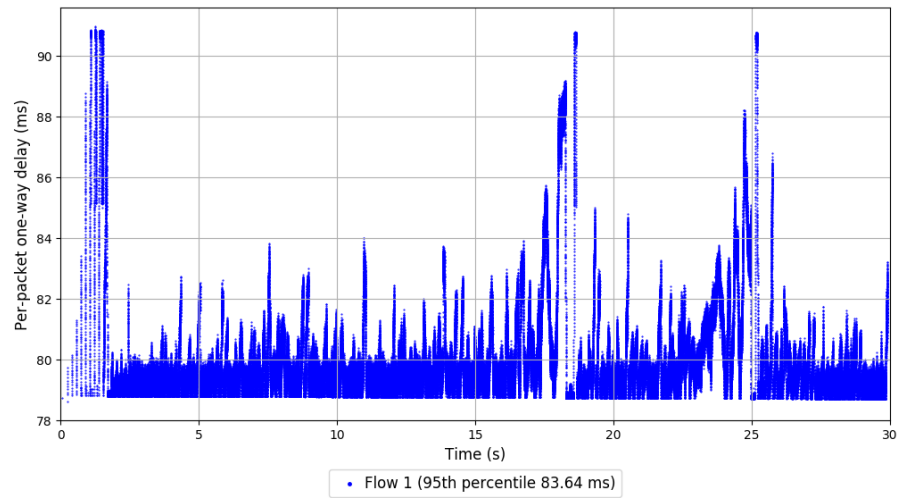
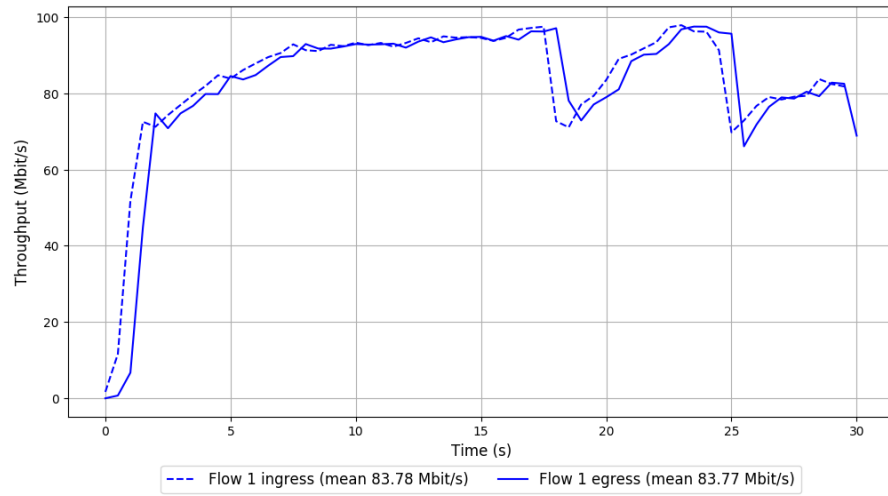
-- Flow 1:

Average throughput: 83.77 Mbit/s

95th percentile per-packet one-way delay: 83.639 ms

Loss rate: 0.56%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-25 01:52:00

End at: 2018-07-25 01:52:30

Local clock offset: -2.895 ms

Remote clock offset: 7.989 ms

Below is generated by plot.py at 2018-07-25 02:59:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.29 Mbit/s

95th percentile per-packet one-way delay: 84.892 ms

Loss rate: 0.50%

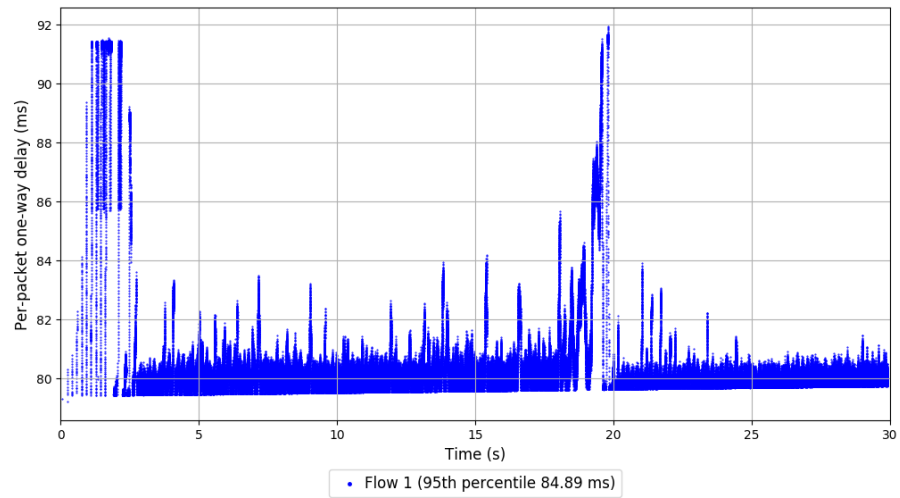
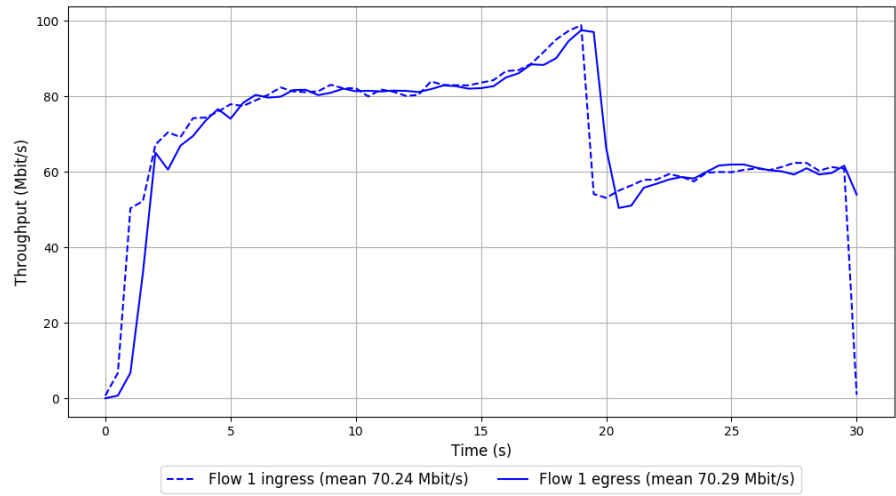
-- Flow 1:

Average throughput: 70.29 Mbit/s

95th percentile per-packet one-way delay: 84.892 ms

Loss rate: 0.50%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-25 02:11:44

End at: 2018-07-25 02:12:14

Local clock offset: -2.748 ms

Remote clock offset: 8.712 ms

Below is generated by plot.py at 2018-07-25 02:59:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.21 Mbit/s

95th percentile per-packet one-way delay: 88.722 ms

Loss rate: 0.45%

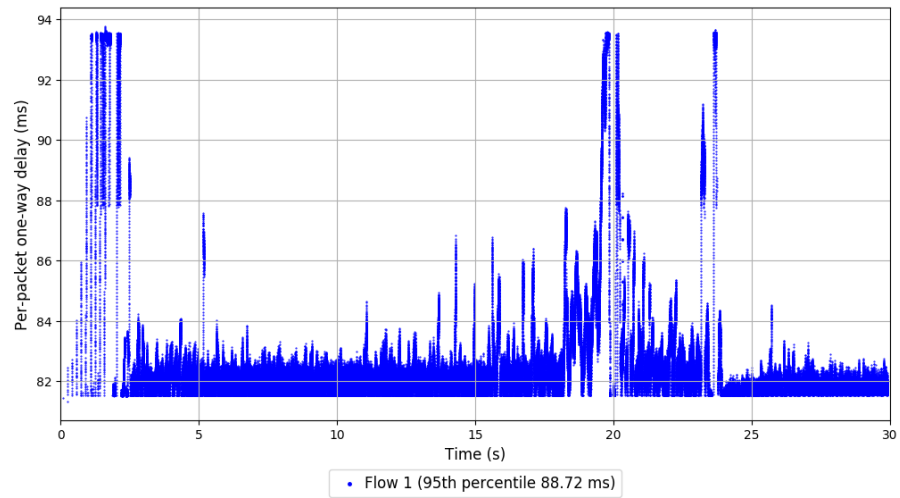
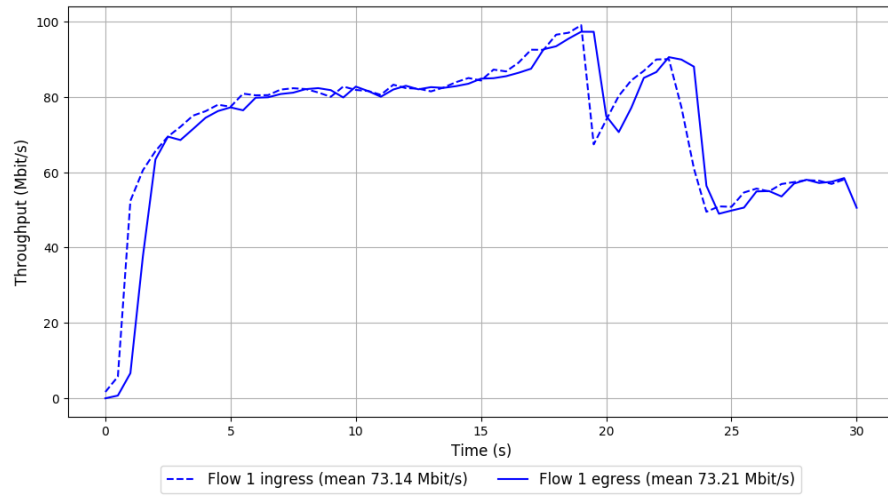
-- Flow 1:

Average throughput: 73.21 Mbit/s

95th percentile per-packet one-way delay: 88.722 ms

Loss rate: 0.45%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-25 02:31:23

End at: 2018-07-25 02:31:53

Local clock offset: -2.715 ms

Remote clock offset: 7.809 ms

Below is generated by plot.py at 2018-07-25 02:59:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.75 Mbit/s

95th percentile per-packet one-way delay: 88.319 ms

Loss rate: 1.07%

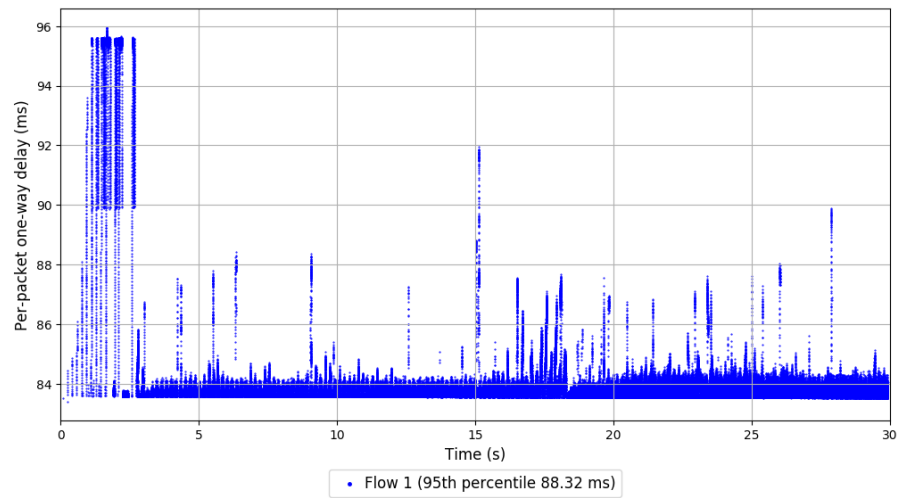
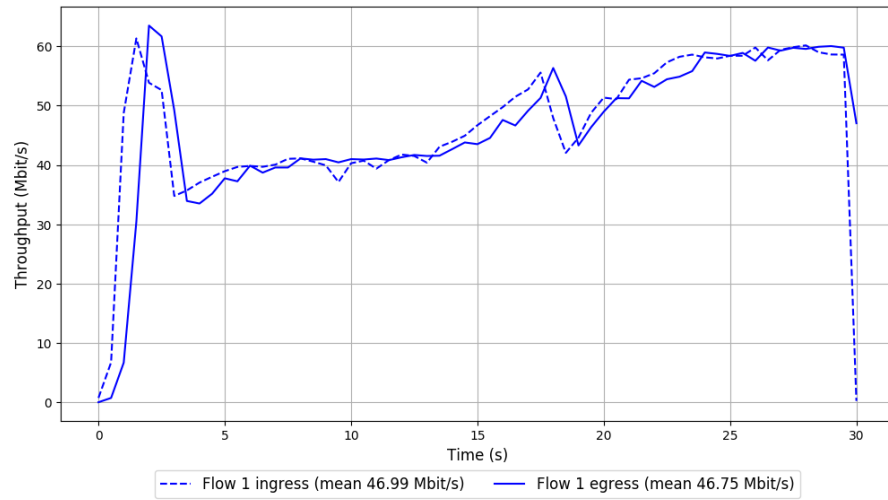
-- Flow 1:

Average throughput: 46.75 Mbit/s

95th percentile per-packet one-way delay: 88.319 ms

Loss rate: 1.07%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-25 02:51:11

End at: 2018-07-25 02:51:41

Local clock offset: -2.603 ms

Remote clock offset: 6.375 ms

Below is generated by plot.py at 2018-07-25 02:59:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.06 Mbit/s

95th percentile per-packet one-way delay: 89.916 ms

Loss rate: 0.44%

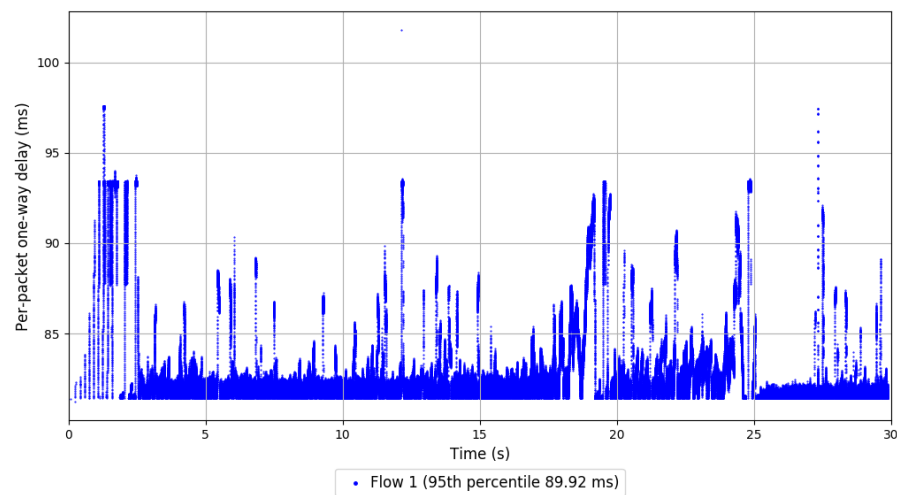
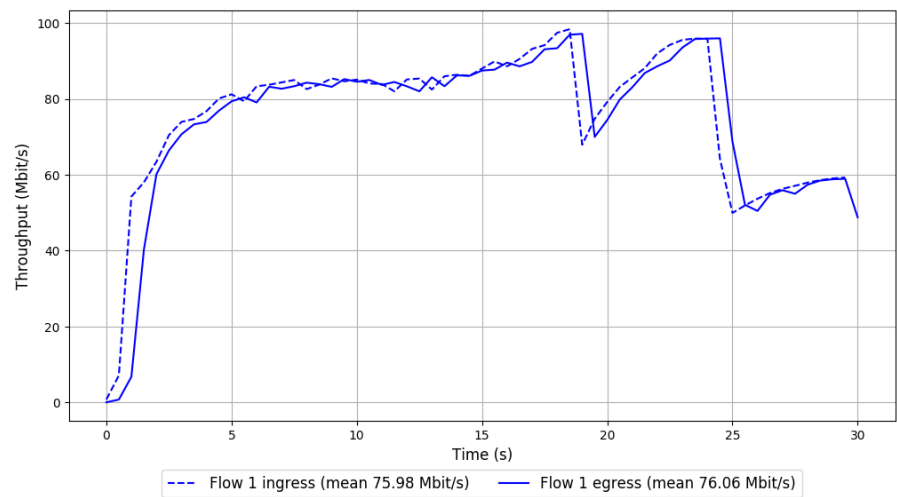
-- Flow 1:

Average throughput: 76.06 Mbit/s

95th percentile per-packet one-way delay: 89.916 ms

Loss rate: 0.44%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-24 23:38:10

End at: 2018-07-24 23:38:40

Local clock offset: -2.895 ms

Remote clock offset: 5.59 ms

Below is generated by plot.py at 2018-07-25 03:00:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.95 Mbit/s

95th percentile per-packet one-way delay: 91.359 ms

Loss rate: 0.59%

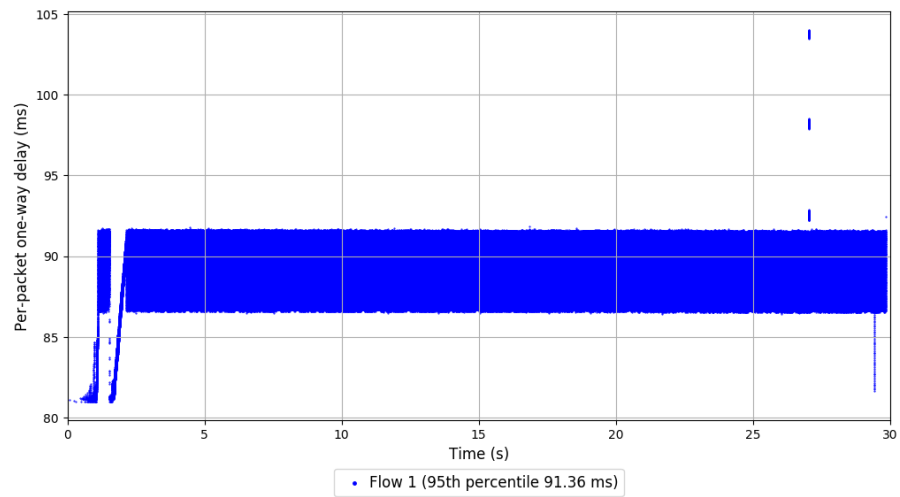
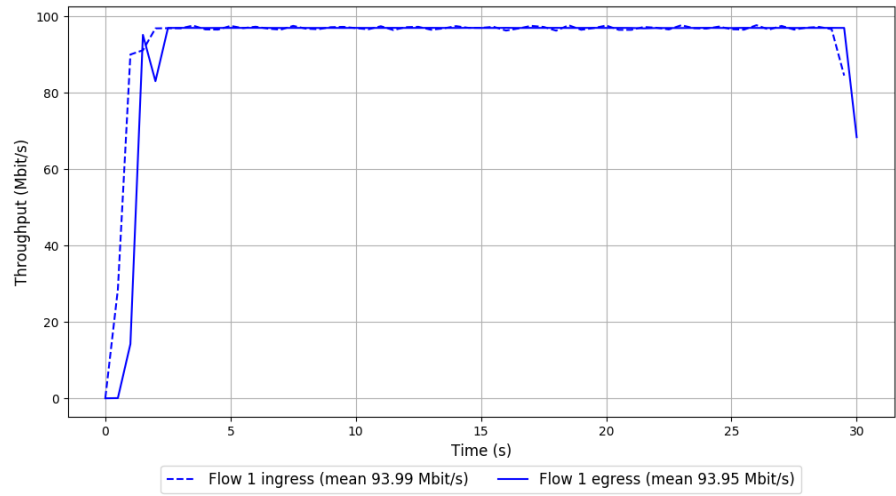
-- Flow 1:

Average throughput: 93.95 Mbit/s

95th percentile per-packet one-way delay: 91.359 ms

Loss rate: 0.59%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-24 23:57:59

End at: 2018-07-24 23:58:29

Local clock offset: -2.899 ms

Remote clock offset: 8.451 ms

Below is generated by plot.py at 2018-07-25 03:00:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.98 Mbit/s

95th percentile per-packet one-way delay: 90.125 ms

Loss rate: 0.60%

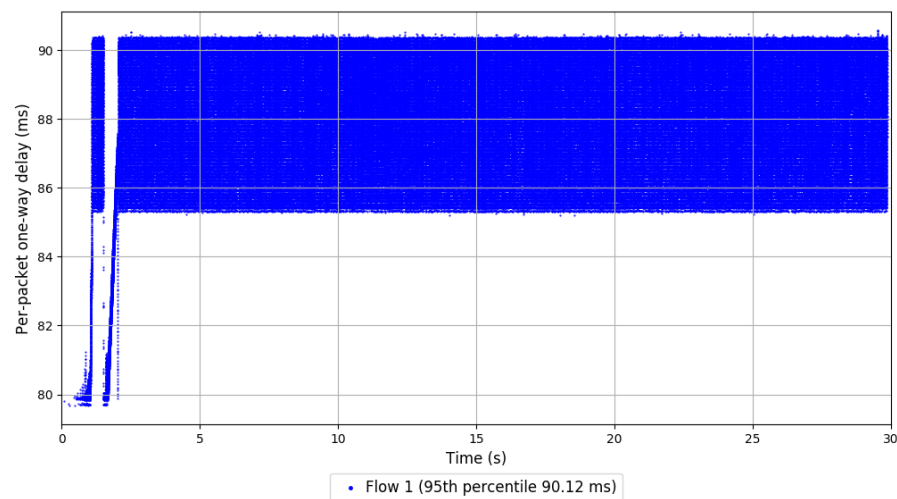
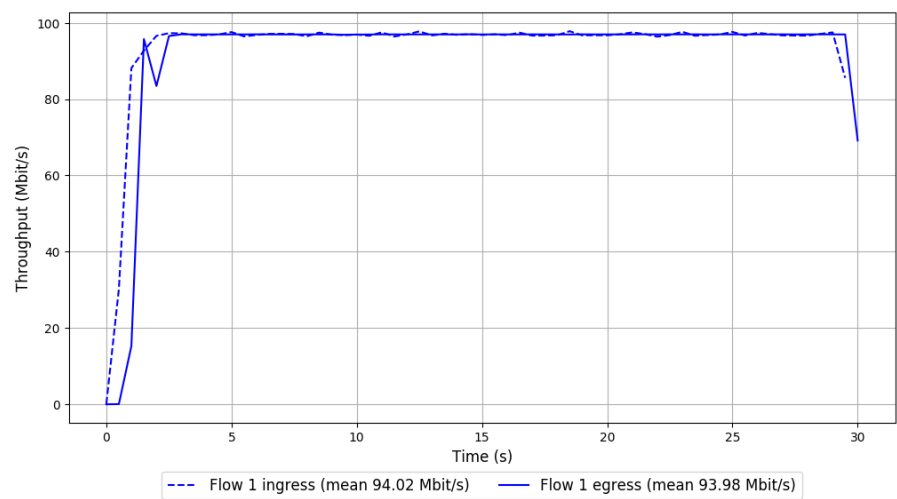
-- Flow 1:

Average throughput: 93.98 Mbit/s

95th percentile per-packet one-way delay: 90.125 ms

Loss rate: 0.60%

Run 2: Report of FillP — Data Link

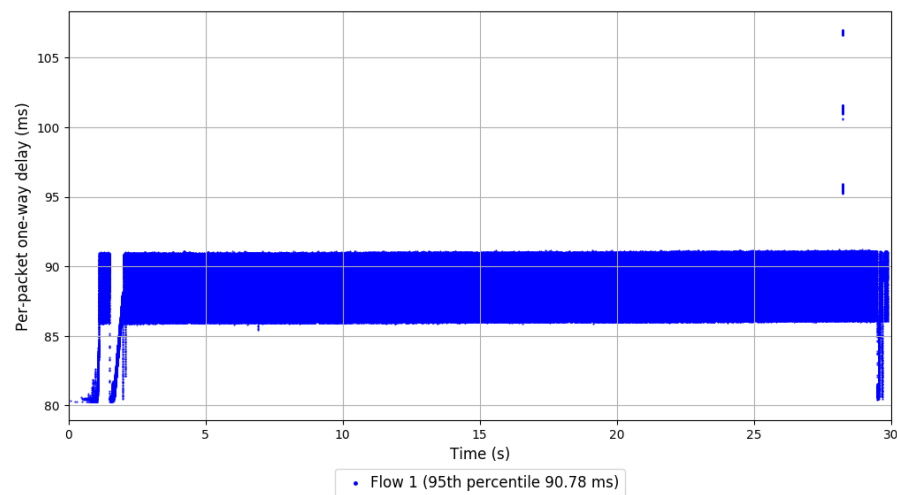
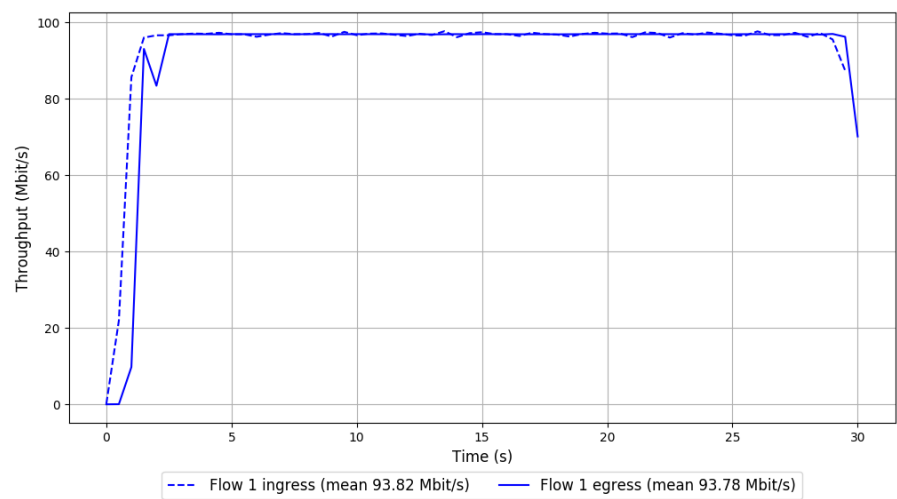


Run 3: Statistics of FillP

Start at: 2018-07-25 00:17:46
End at: 2018-07-25 00:18:16
Local clock offset: -3.019 ms
Remote clock offset: 13.944 ms

Below is generated by plot.py at 2018-07-25 03:00:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 90.783 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 90.783 ms
Loss rate: 0.60%

Run 3: Report of FillP — Data Link

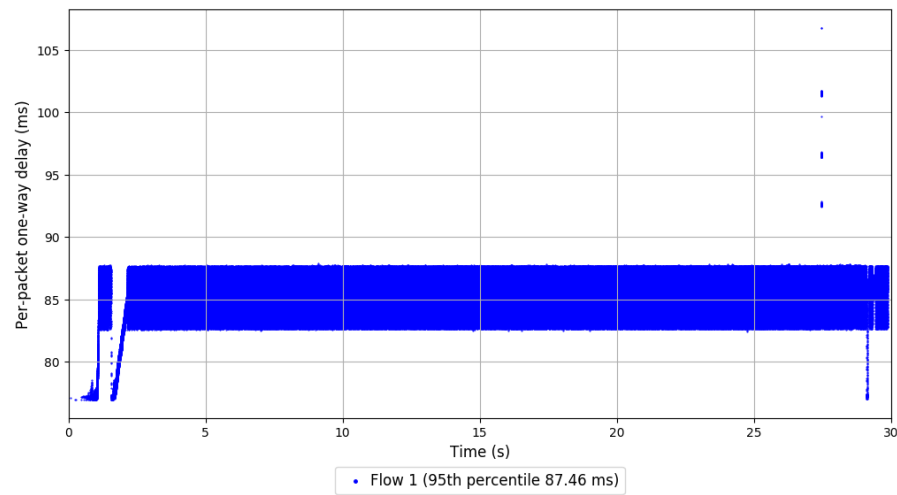
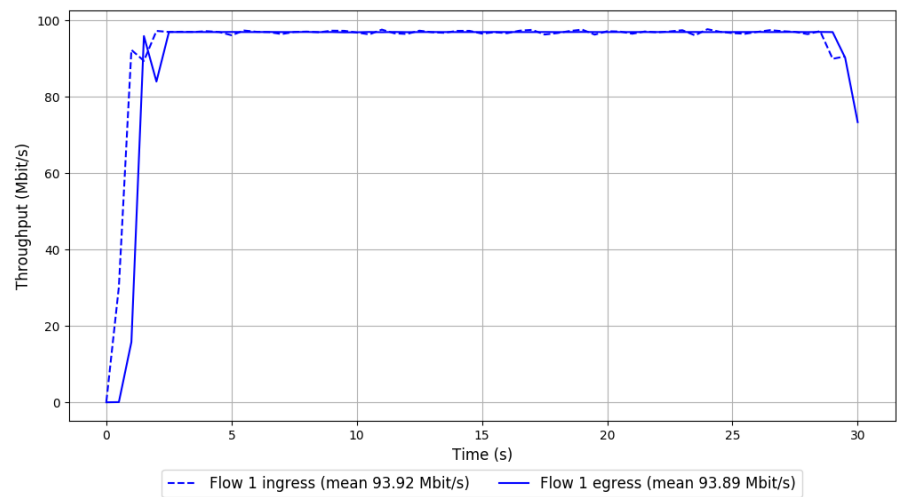


Run 4: Statistics of FillP

Start at: 2018-07-25 00:37:34
End at: 2018-07-25 00:38:04
Local clock offset: -3.008 ms
Remote clock offset: 18.852 ms

Below is generated by plot.py at 2018-07-25 03:00:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 87.457 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 87.457 ms
Loss rate: 0.60%

Run 4: Report of FillP — Data Link

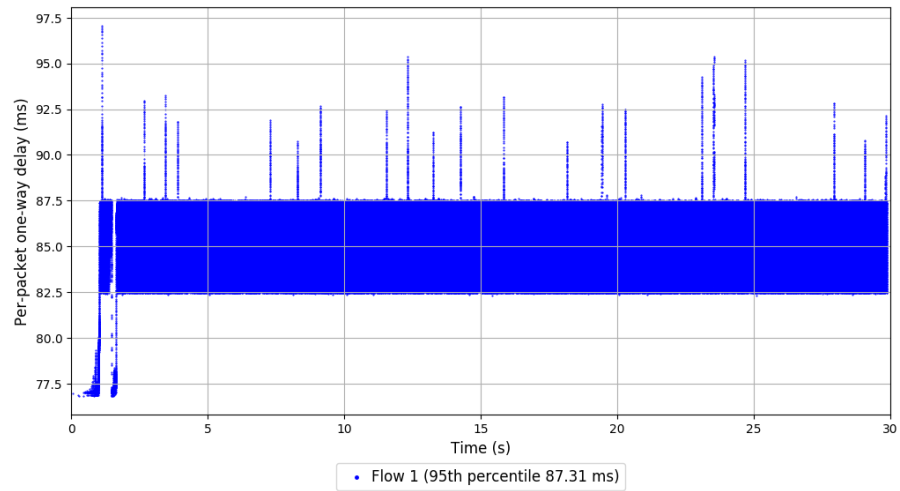
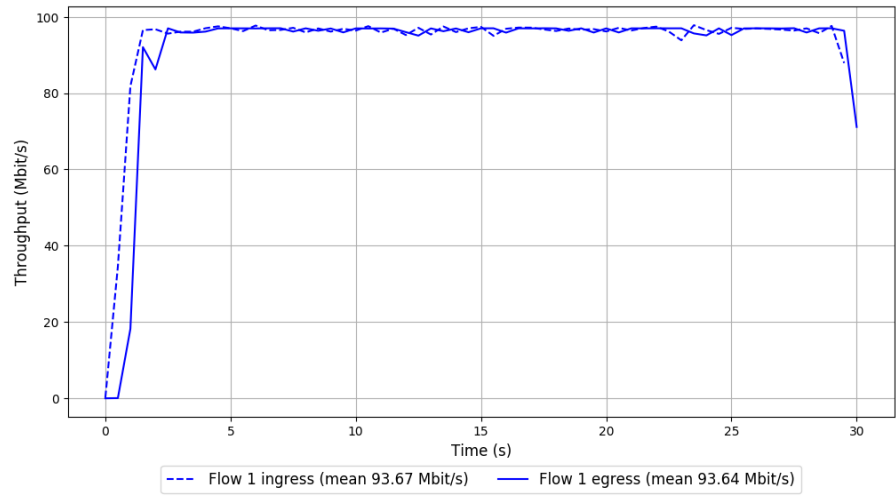


Run 5: Statistics of FillP

Start at: 2018-07-25 00:57:24
End at: 2018-07-25 00:57:54
Local clock offset: -3.052 ms
Remote clock offset: 16.808 ms

Below is generated by plot.py at 2018-07-25 03:00:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 87.310 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 87.310 ms
Loss rate: 0.60%

Run 5: Report of FillP — Data Link

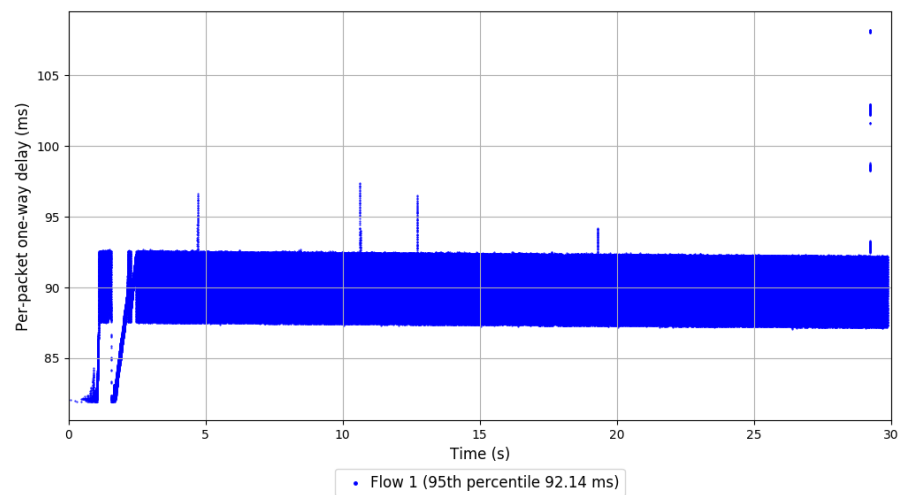
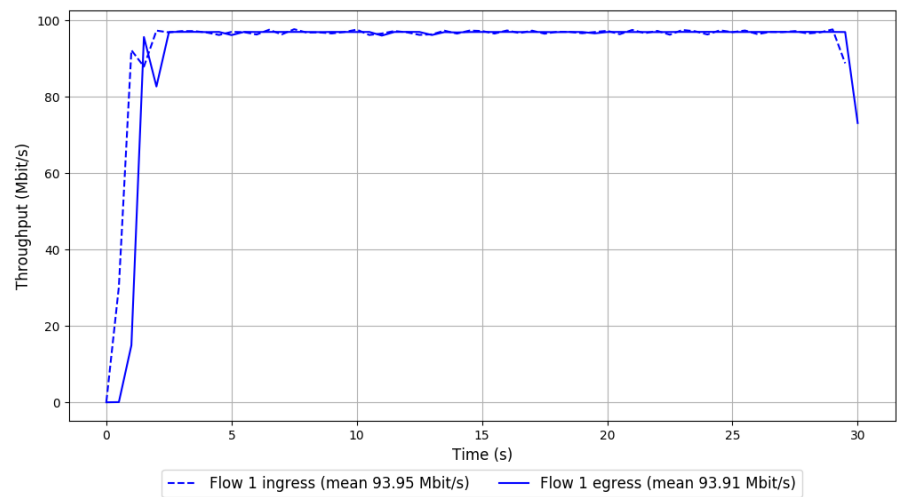


Run 6: Statistics of FillP

Start at: 2018-07-25 01:17:15
End at: 2018-07-25 01:17:45
Local clock offset: -2.756 ms
Remote clock offset: 10.091 ms

Below is generated by plot.py at 2018-07-25 03:00:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 92.140 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 92.140 ms
Loss rate: 0.59%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

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

End at: 2018-07-25 01:37:30

Local clock offset: -2.885 ms

Remote clock offset: 8.449 ms

Below is generated by plot.py at 2018-07-25 03:00:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.97 Mbit/s

95th percentile per-packet one-way delay: 86.469 ms

Loss rate: 13.26%

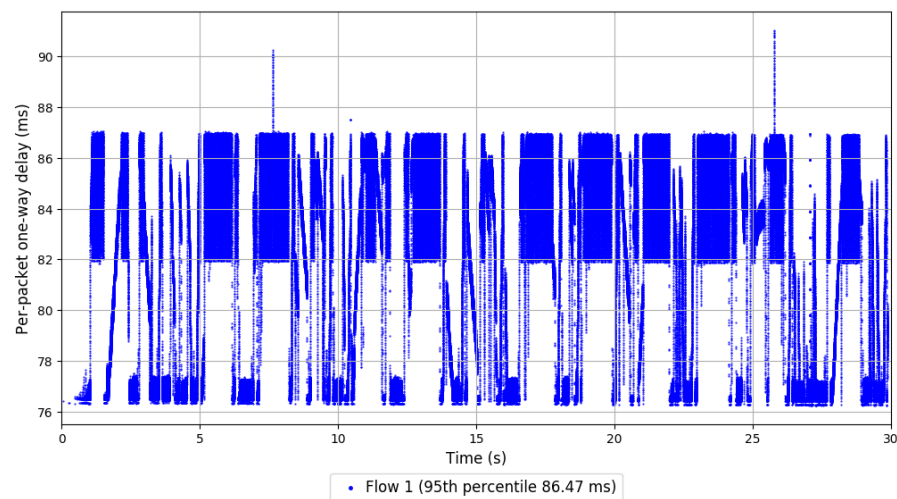
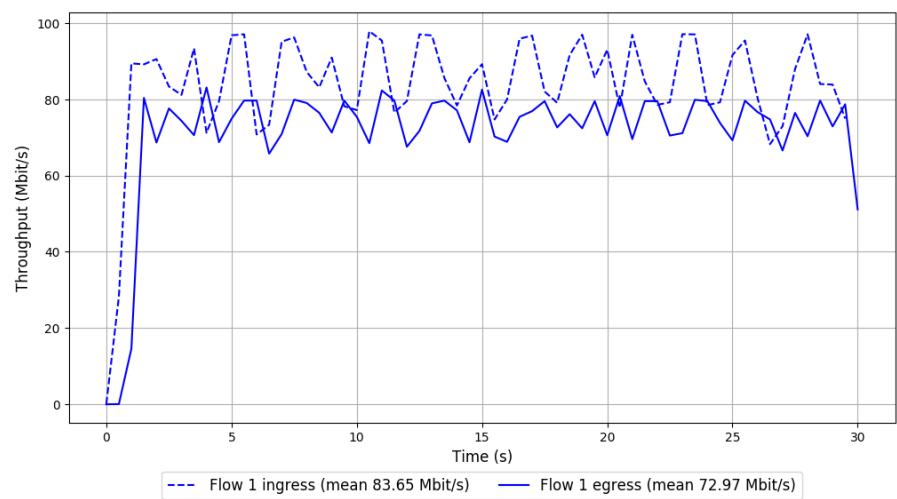
-- Flow 1:

Average throughput: 72.97 Mbit/s

95th percentile per-packet one-way delay: 86.469 ms

Loss rate: 13.26%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-25 01:56:44

End at: 2018-07-25 01:57:14

Local clock offset: -2.903 ms

Remote clock offset: 8.471 ms

Below is generated by plot.py at 2018-07-25 03:01:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.95 Mbit/s

95th percentile per-packet one-way delay: 89.192 ms

Loss rate: 0.60%

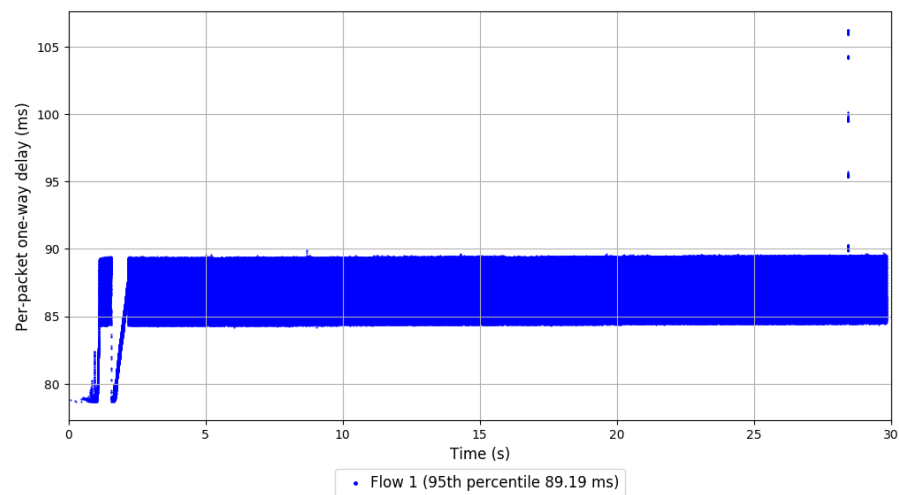
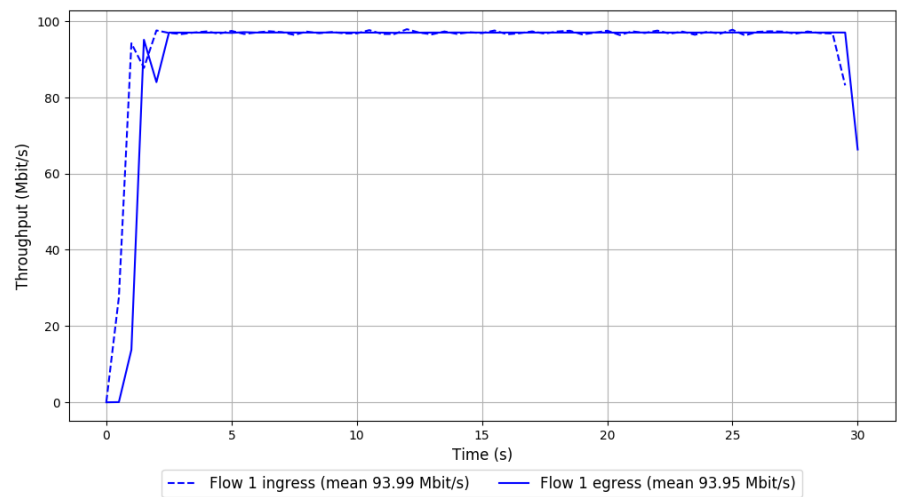
-- Flow 1:

Average throughput: 93.95 Mbit/s

95th percentile per-packet one-way delay: 89.192 ms

Loss rate: 0.60%

Run 8: Report of FillP — Data Link

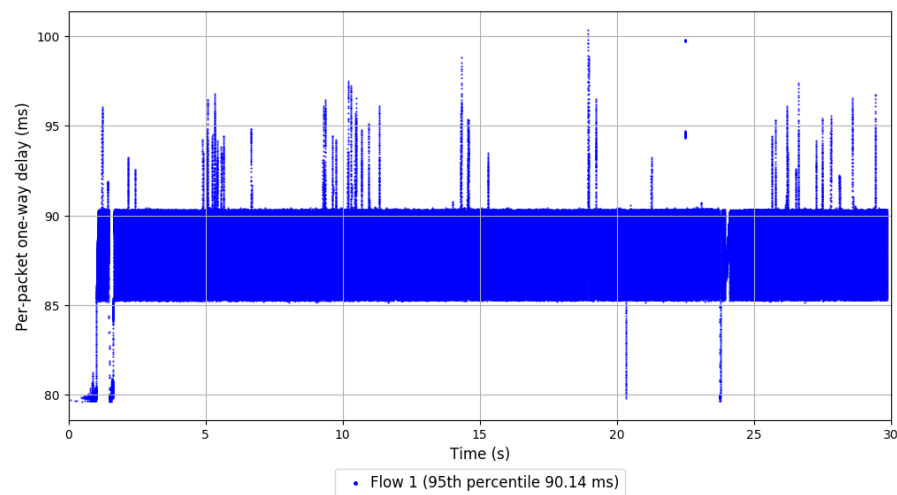
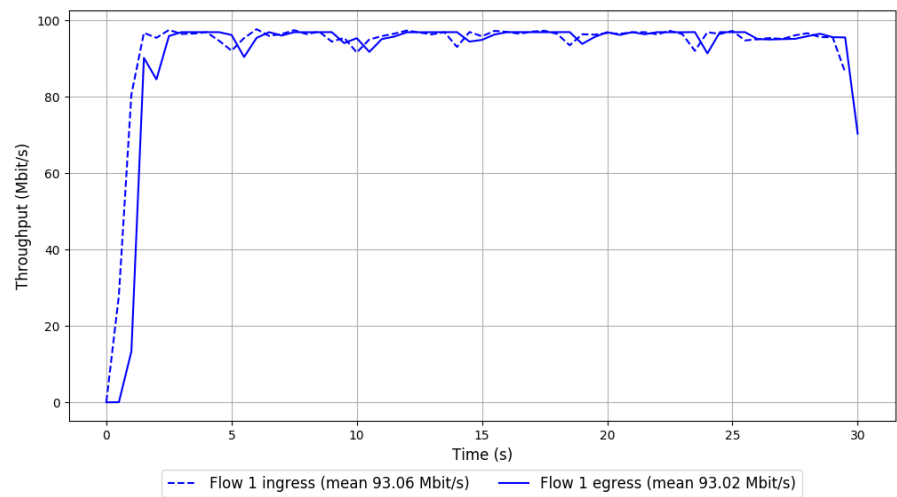


Run 9: Statistics of FillP

Start at: 2018-07-25 02:16:23
End at: 2018-07-25 02:16:53
Local clock offset: -2.711 ms
Remote clock offset: 12.804 ms

Below is generated by plot.py at 2018-07-25 03:01:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 90.143 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 90.143 ms
Loss rate: 0.60%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-25 02:36:08

End at: 2018-07-25 02:36:38

Local clock offset: -2.642 ms

Remote clock offset: 6.174 ms

Below is generated by plot.py at 2018-07-25 03:01:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.42 Mbit/s

95th percentile per-packet one-way delay: 95.419 ms

Loss rate: 0.57%

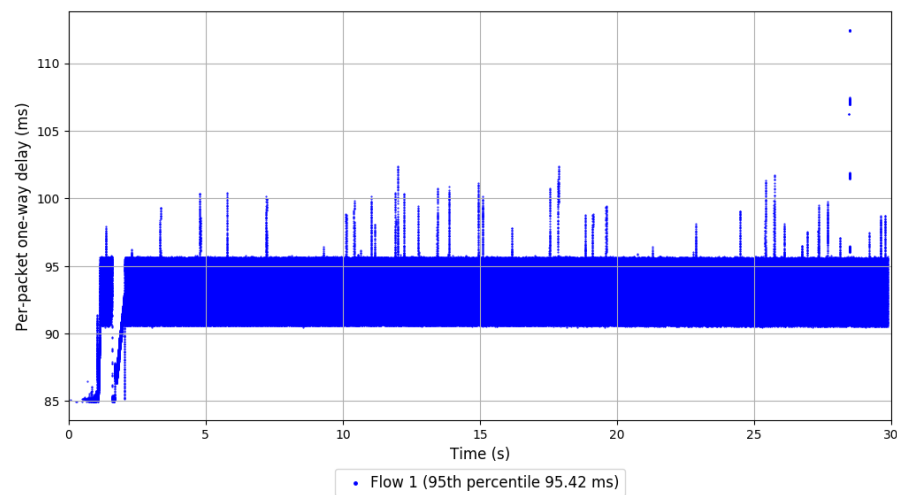
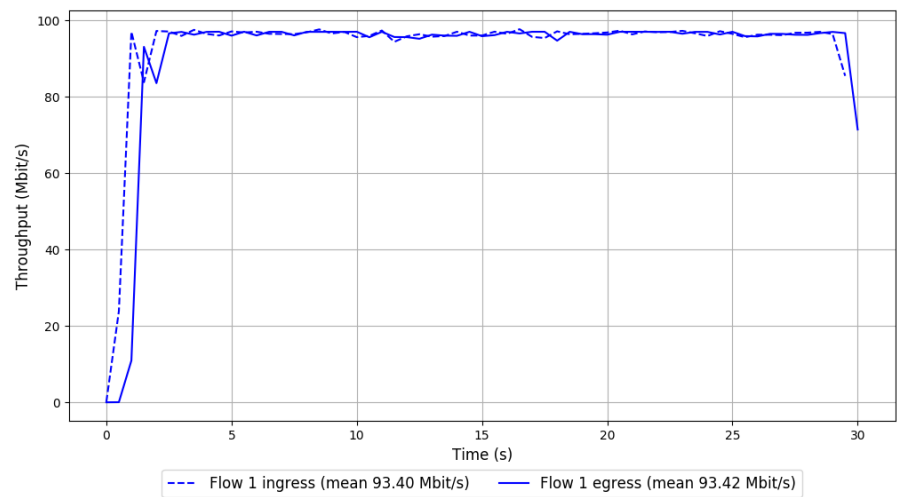
-- Flow 1:

Average throughput: 93.42 Mbit/s

95th percentile per-packet one-way delay: 95.419 ms

Loss rate: 0.57%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-24 23:36:59

End at: 2018-07-24 23:37:29

Local clock offset: -2.906 ms

Remote clock offset: 4.84 ms

Below is generated by plot.py at 2018-07-25 03:01:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.58 Mbit/s

95th percentile per-packet one-way delay: 93.076 ms

Loss rate: 0.61%

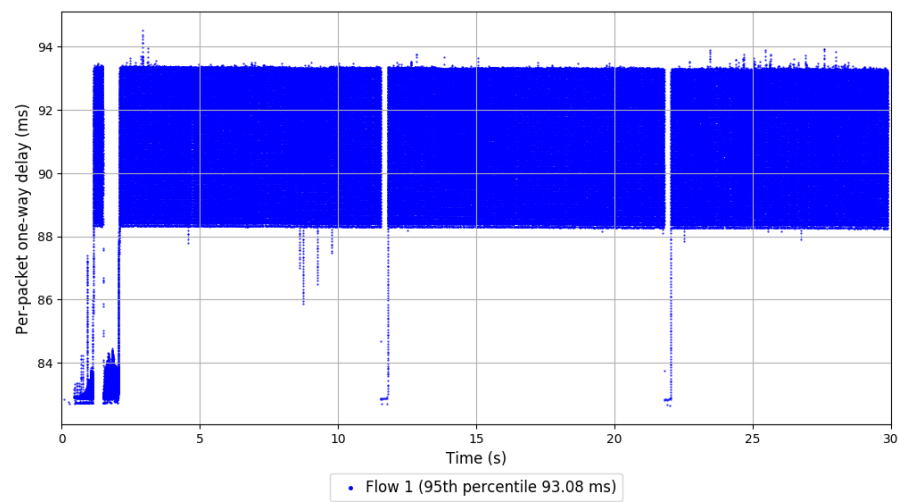
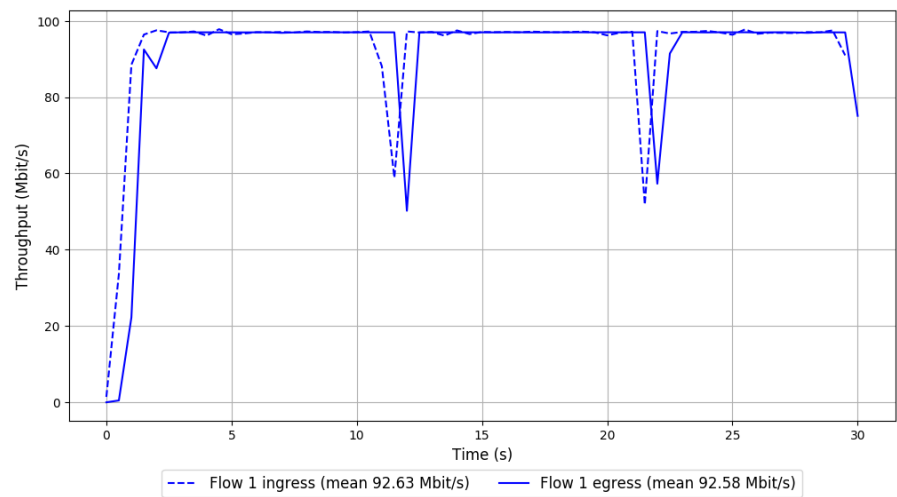
-- Flow 1:

Average throughput: 92.58 Mbit/s

95th percentile per-packet one-way delay: 93.076 ms

Loss rate: 0.61%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-24 23:56:49

End at: 2018-07-24 23:57:19

Local clock offset: -2.904 ms

Remote clock offset: 4.723 ms

Below is generated by plot.py at 2018-07-25 03:01:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.59 Mbit/s

95th percentile per-packet one-way delay: 94.248 ms

Loss rate: 0.61%

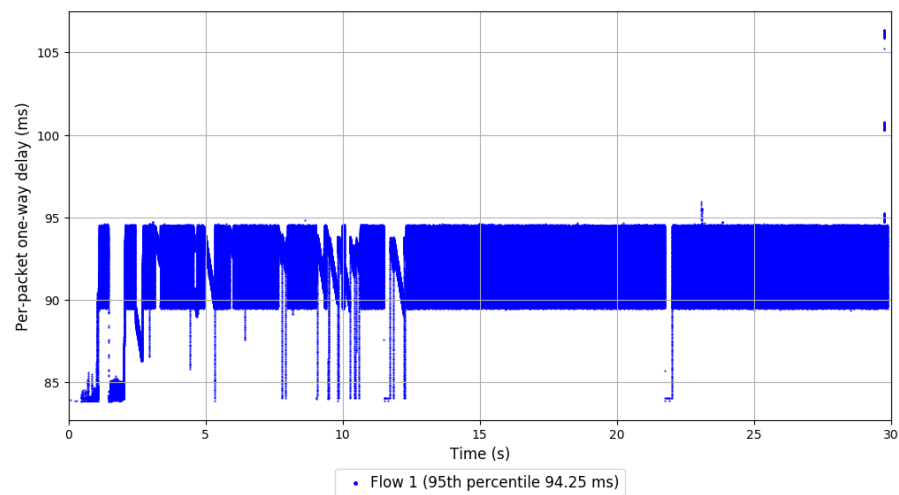
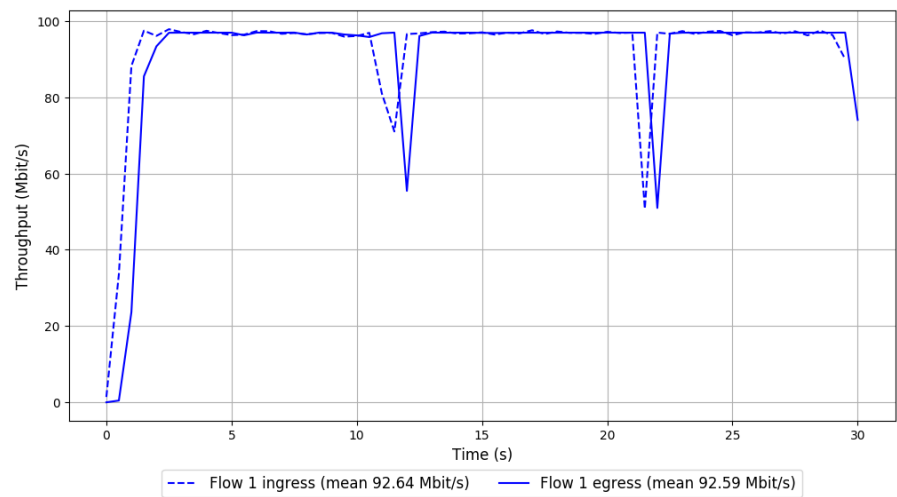
-- Flow 1:

Average throughput: 92.59 Mbit/s

95th percentile per-packet one-way delay: 94.248 ms

Loss rate: 0.61%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-25 00:16:36

End at: 2018-07-25 00:17:06

Local clock offset: -3.01 ms

Remote clock offset: 8.744 ms

Below is generated by plot.py at 2018-07-25 03:02:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.62 Mbit/s

95th percentile per-packet one-way delay: 93.098 ms

Loss rate: 0.61%

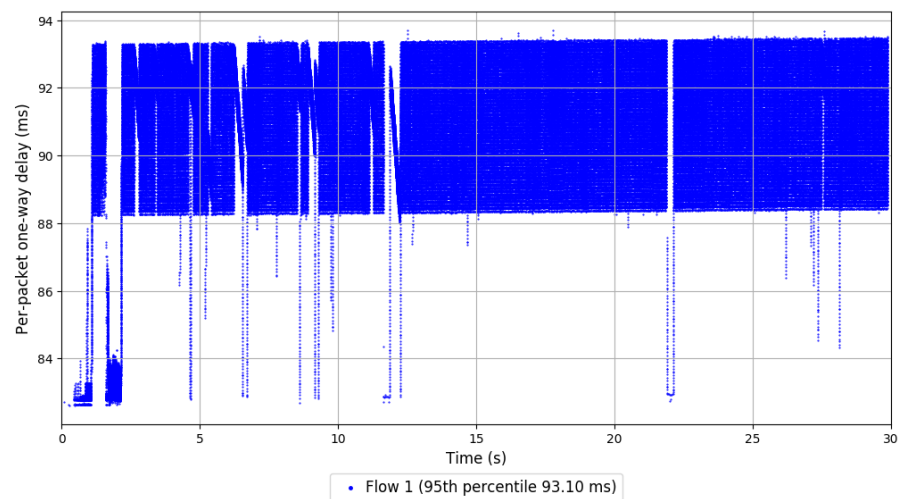
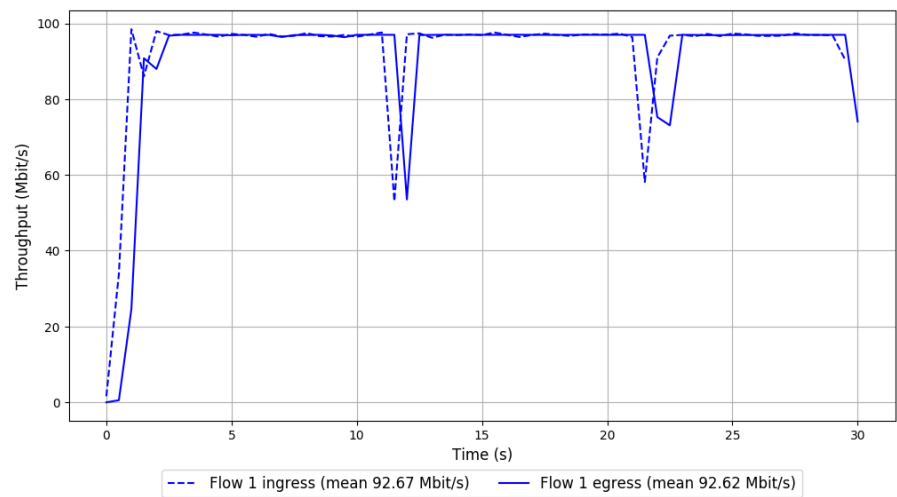
-- Flow 1:

Average throughput: 92.62 Mbit/s

95th percentile per-packet one-way delay: 93.098 ms

Loss rate: 0.61%

Run 3: Report of FillP-Sheep — Data Link

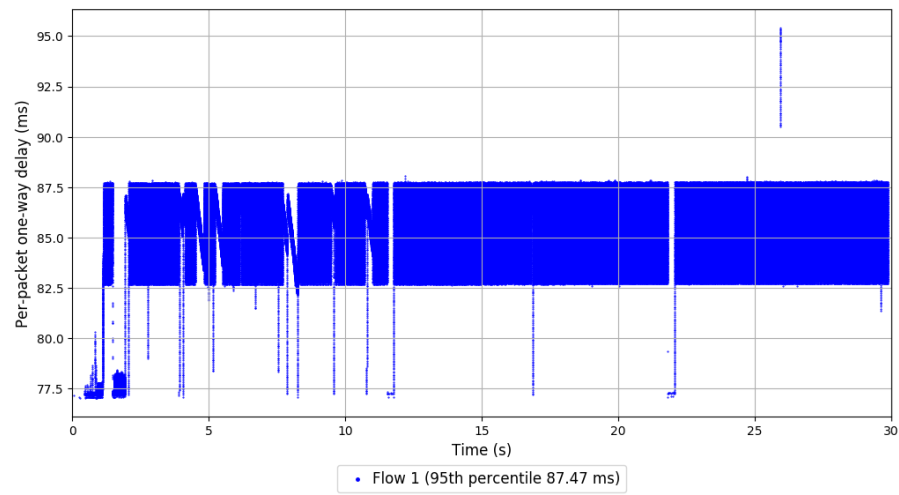
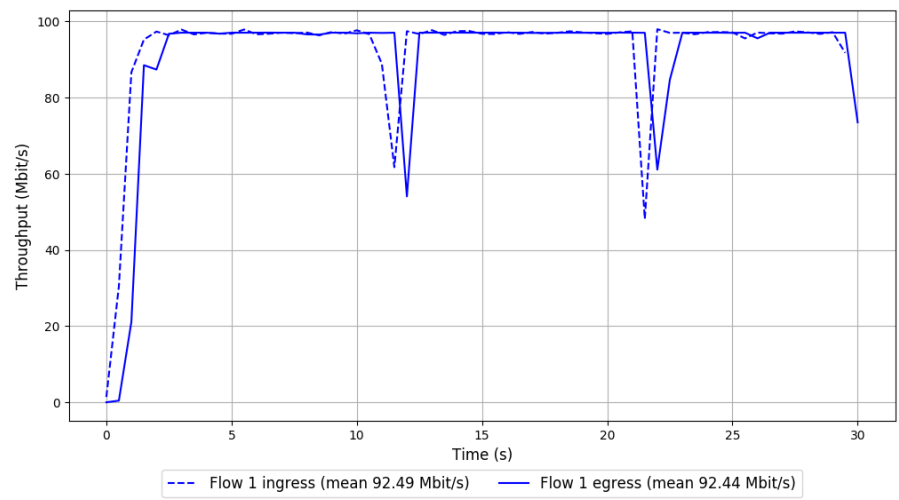


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-25 00:36:23
End at: 2018-07-25 00:36:53
Local clock offset: -3.015 ms
Remote clock offset: 18.652 ms

Below is generated by plot.py at 2018-07-25 03:02:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 87.465 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 87.465 ms
Loss rate: 0.64%

Run 4: Report of FillP-Sheep — Data Link

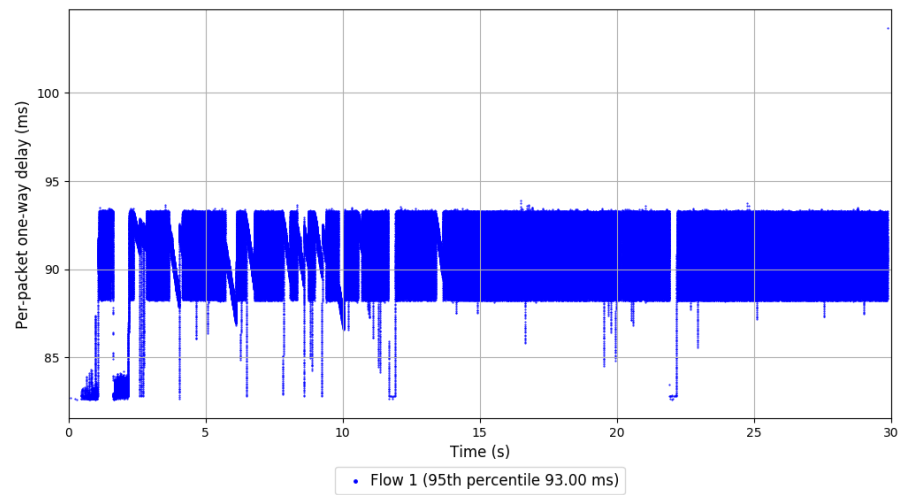
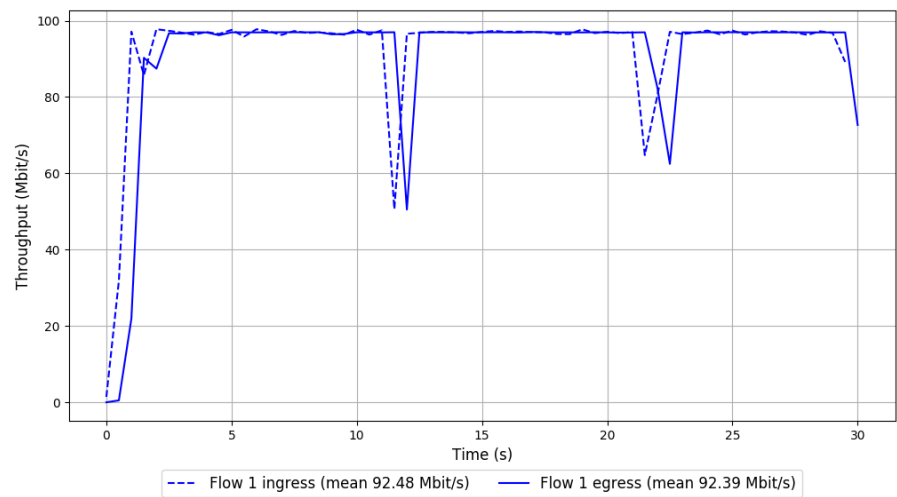


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-25 00:56:14
End at: 2018-07-25 00:56:44
Local clock offset: -2.966 ms
Remote clock offset: 10.881 ms

Below is generated by plot.py at 2018-07-25 03:02:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 92.998 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 92.998 ms
Loss rate: 0.62%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-25 01:16:04

End at: 2018-07-25 01:16:34

Local clock offset: -2.827 ms

Remote clock offset: 16.077 ms

Below is generated by plot.py at 2018-07-25 03:02:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 89.767 ms

Loss rate: 0.63%

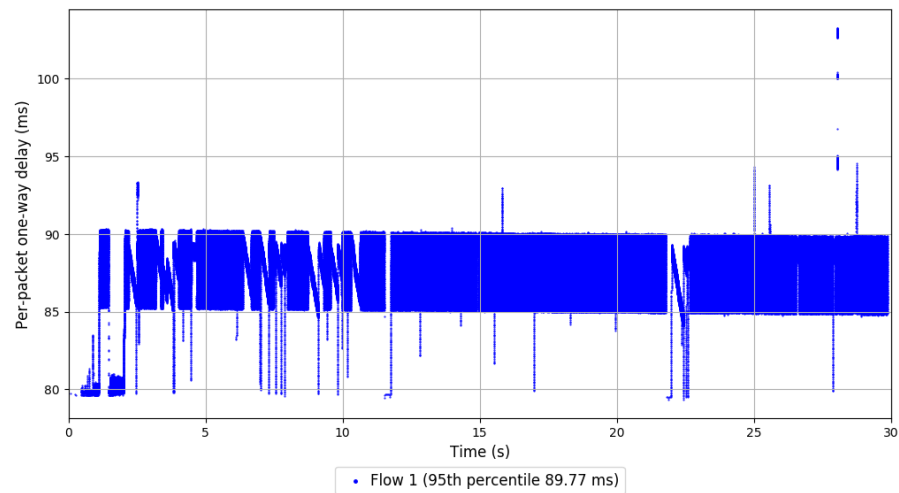
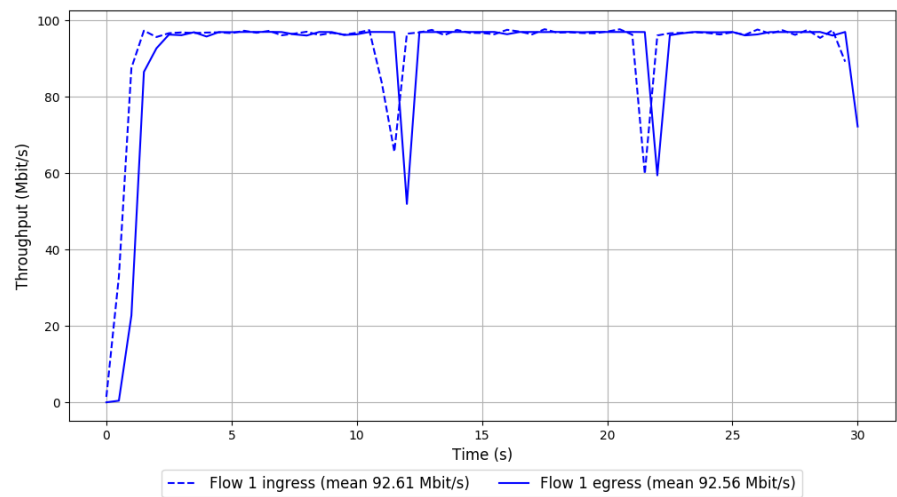
-- Flow 1:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 89.767 ms

Loss rate: 0.63%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-25 01:35:49

End at: 2018-07-25 01:36:19

Local clock offset: -2.887 ms

Remote clock offset: 3.769 ms

Below is generated by plot.py at 2018-07-25 03:03:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.70 Mbit/s

95th percentile per-packet one-way delay: 91.636 ms

Loss rate: 0.63%

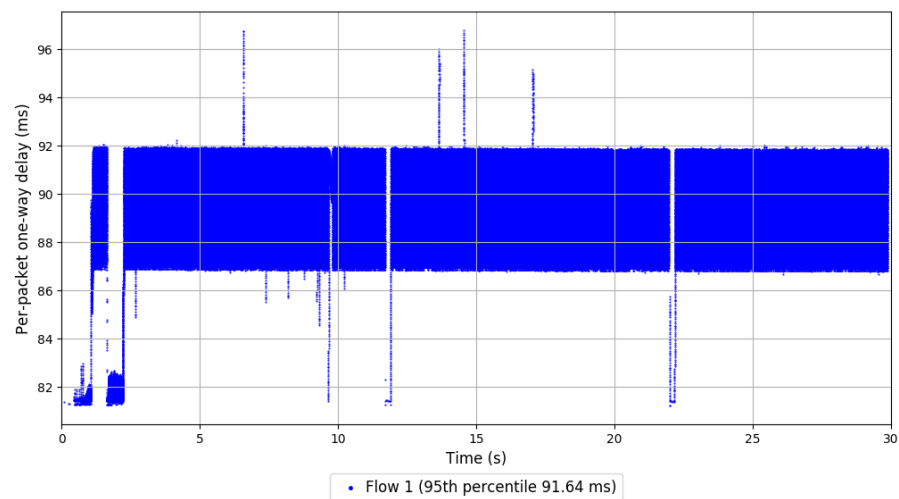
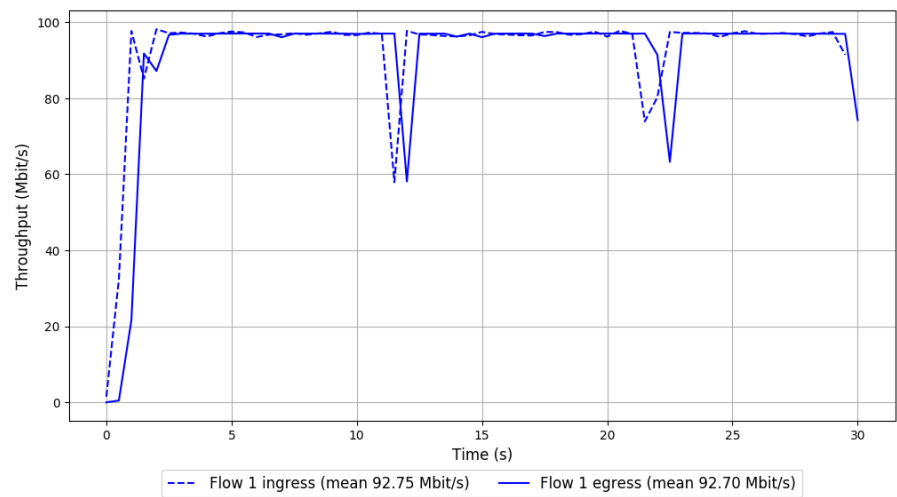
-- Flow 1:

Average throughput: 92.70 Mbit/s

95th percentile per-packet one-way delay: 91.636 ms

Loss rate: 0.63%

Run 7: Report of FillP-Sheep — Data Link

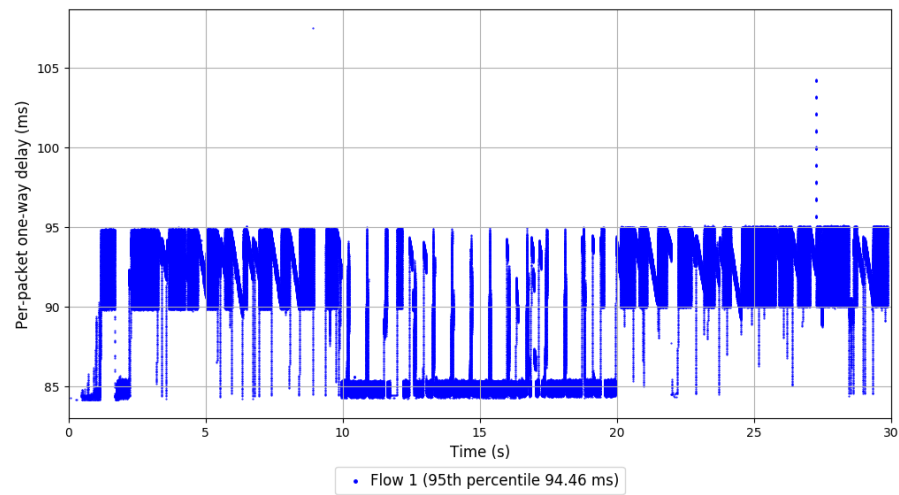
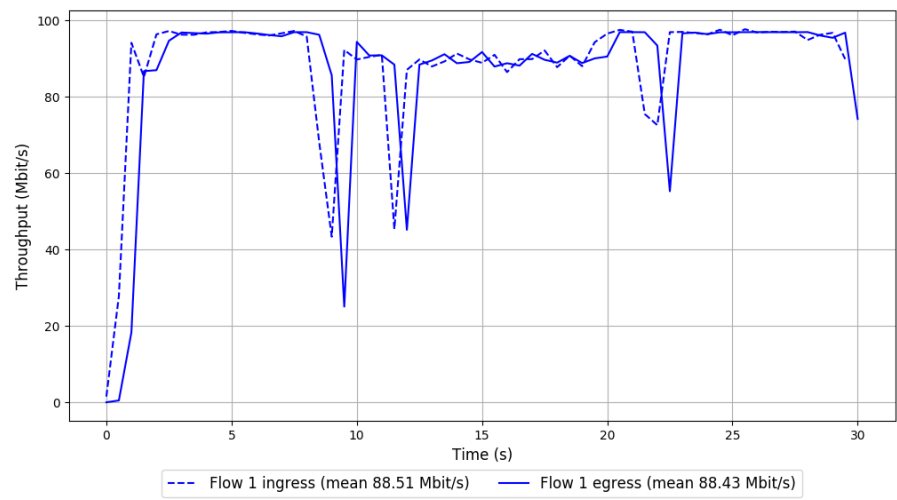


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-25 01:55:33
End at: 2018-07-25 01:56:03
Local clock offset: -2.912 ms
Remote clock offset: 4.172 ms

Below is generated by plot.py at 2018-07-25 03:03:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.43 Mbit/s
95th percentile per-packet one-way delay: 94.458 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 88.43 Mbit/s
95th percentile per-packet one-way delay: 94.458 ms
Loss rate: 0.65%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

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

End at: 2018-07-25 02:15:42

Local clock offset: -2.779 ms

Remote clock offset: 11.3 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 91.890 ms

Loss rate: 0.60%

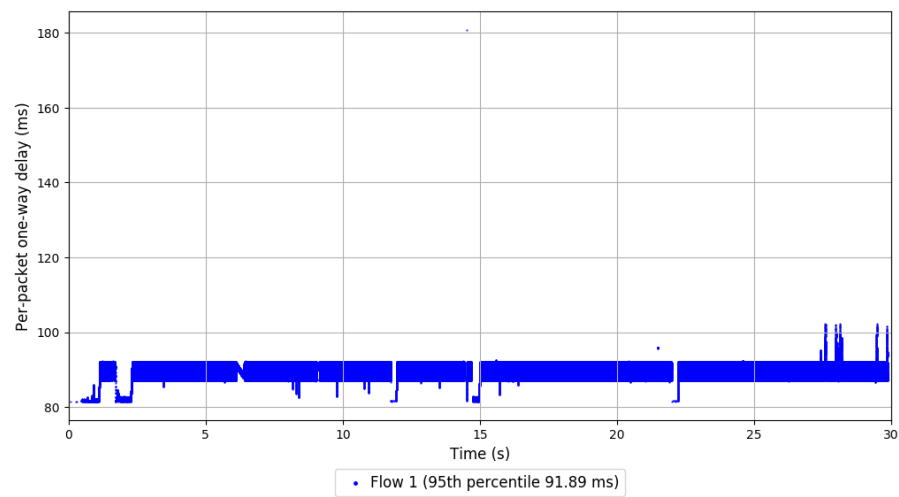
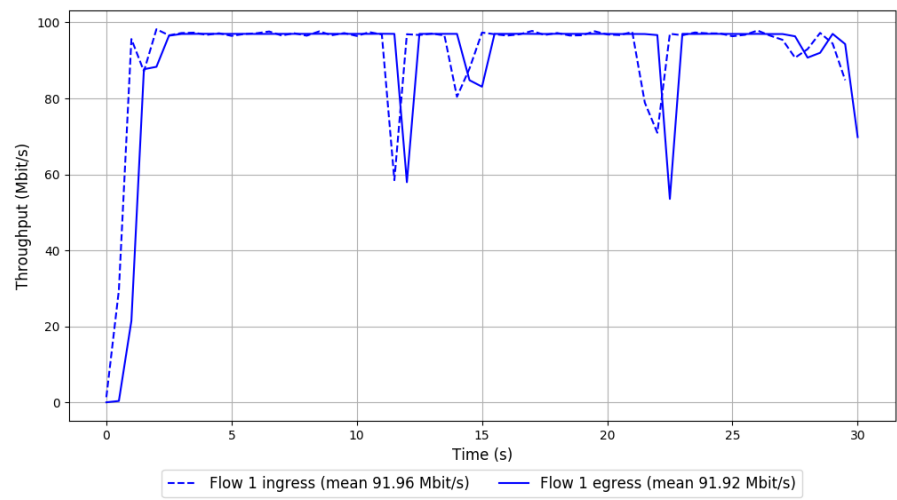
-- Flow 1:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 91.890 ms

Loss rate: 0.60%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-25 02:34:57

End at: 2018-07-25 02:35:27

Local clock offset: -2.639 ms

Remote clock offset: 6.456 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 94.978 ms

Loss rate: 0.62%

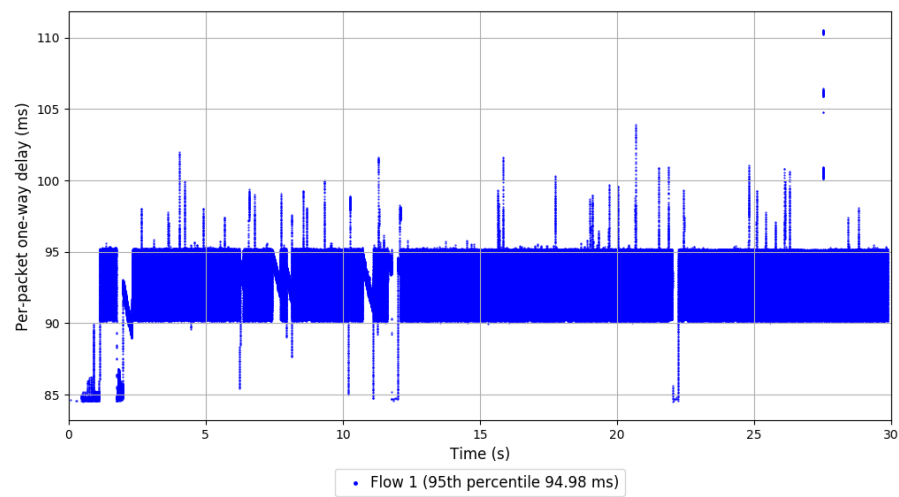
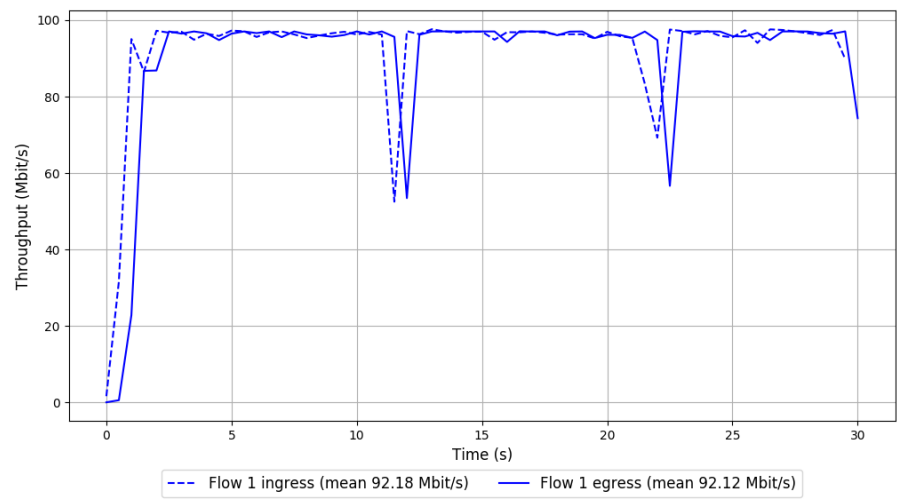
-- Flow 1:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 94.978 ms

Loss rate: 0.62%

Run 10: Report of FillP-Sheep — Data Link

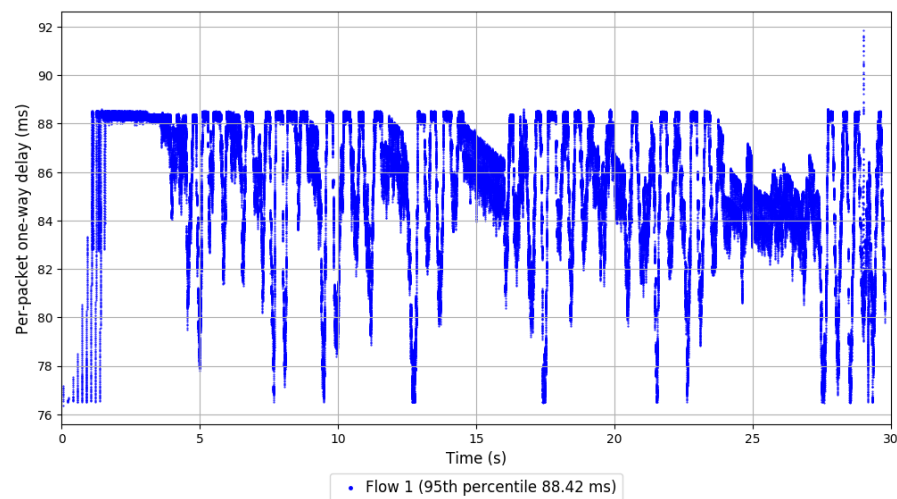
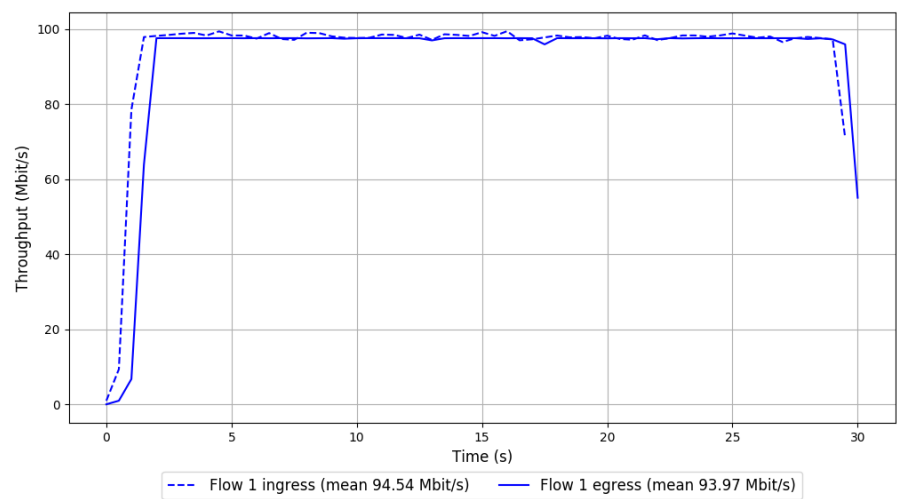


```
Run 1: Statistics of Indigo

Start at: 2018-07-24 23:52:02
End at: 2018-07-24 23:52:32
Local clock offset: -2.899 ms
Remote clock offset: 9.669 ms

# Below is generated by plot.py at 2018-07-25 03:03:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 88.424 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 88.424 ms
Loss rate: 1.15%
```

Run 1: Report of Indigo — Data Link

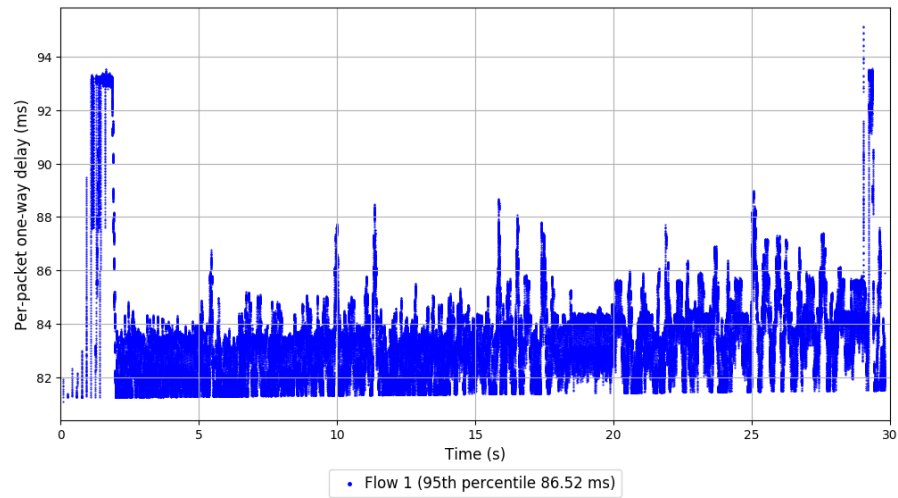
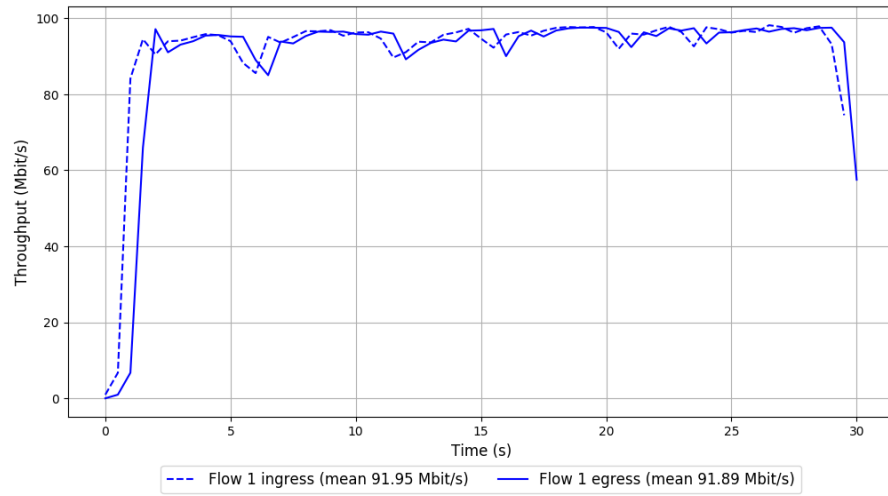


Run 2: Statistics of Indigo

Start at: 2018-07-25 00:11:51
End at: 2018-07-25 00:12:21
Local clock offset: -2.987 ms
Remote clock offset: 10.304 ms

Below is generated by plot.py at 2018-07-25 03:03:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.89 Mbit/s
95th percentile per-packet one-way delay: 86.524 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 91.89 Mbit/s
95th percentile per-packet one-way delay: 86.524 ms
Loss rate: 0.61%

Run 2: Report of Indigo — Data Link

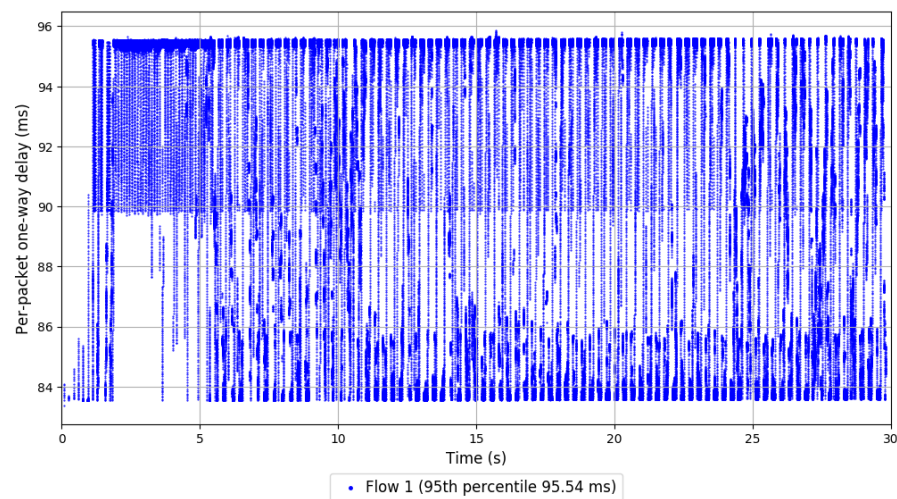
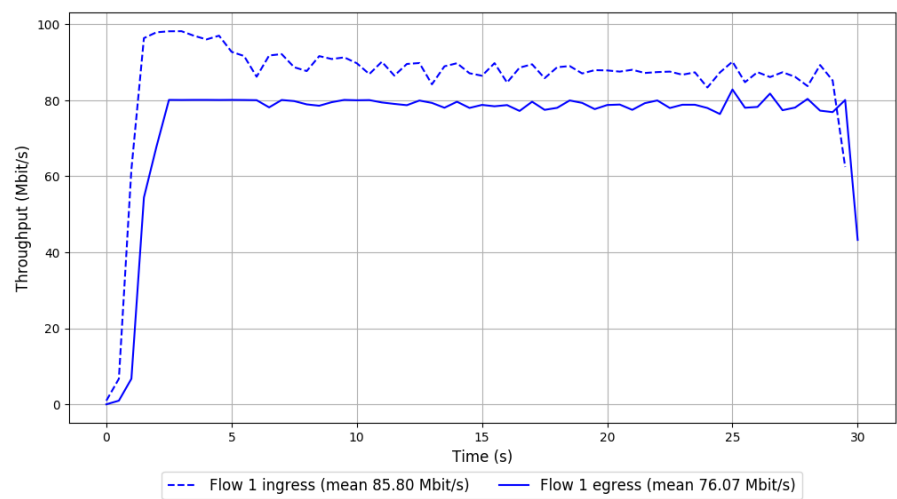


Run 3: Statistics of Indigo

Start at: 2018-07-25 00:31:37
End at: 2018-07-25 00:32:07
Local clock offset: -3.096 ms
Remote clock offset: 13.232 ms

Below is generated by plot.py at 2018-07-25 03:03:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.07 Mbit/s
95th percentile per-packet one-way delay: 95.541 ms
Loss rate: 11.82%
-- Flow 1:
Average throughput: 76.07 Mbit/s
95th percentile per-packet one-way delay: 95.541 ms
Loss rate: 11.82%

Run 3: Report of Indigo — Data Link

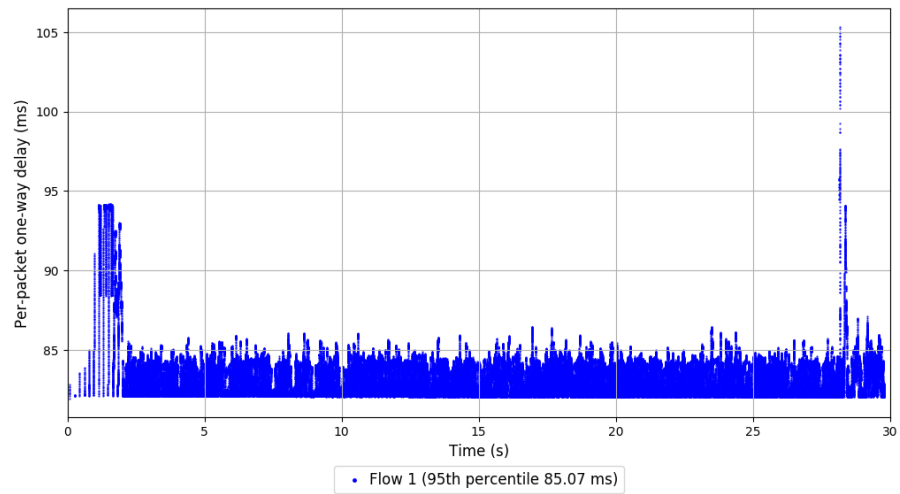
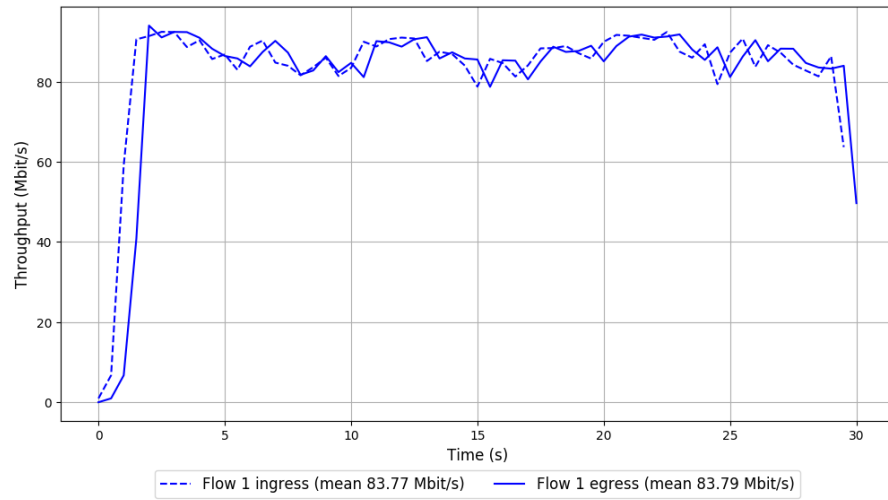


Run 4: Statistics of Indigo

Start at: 2018-07-25 00:51:27
End at: 2018-07-25 00:51:58
Local clock offset: -3.053 ms
Remote clock offset: 11.401 ms

Below is generated by plot.py at 2018-07-25 03:03:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.79 Mbit/s
95th percentile per-packet one-way delay: 85.068 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 83.79 Mbit/s
95th percentile per-packet one-way delay: 85.068 ms
Loss rate: 0.55%

Run 4: Report of Indigo — Data Link

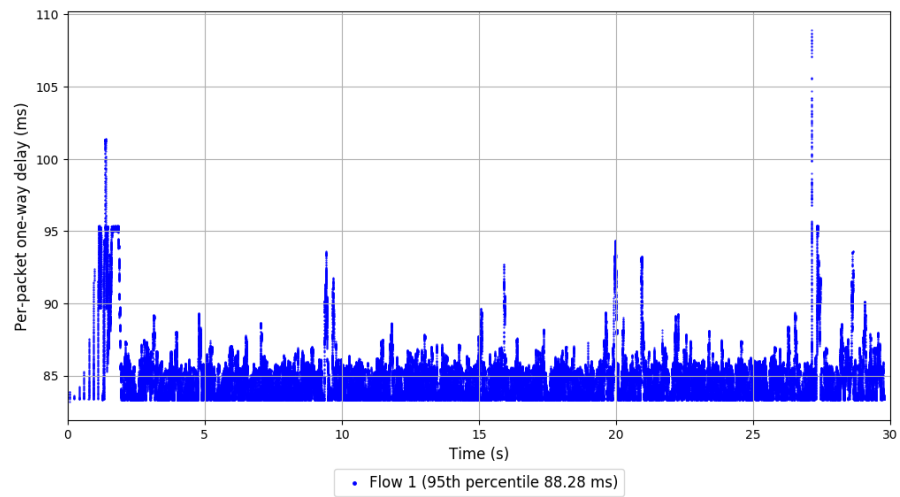
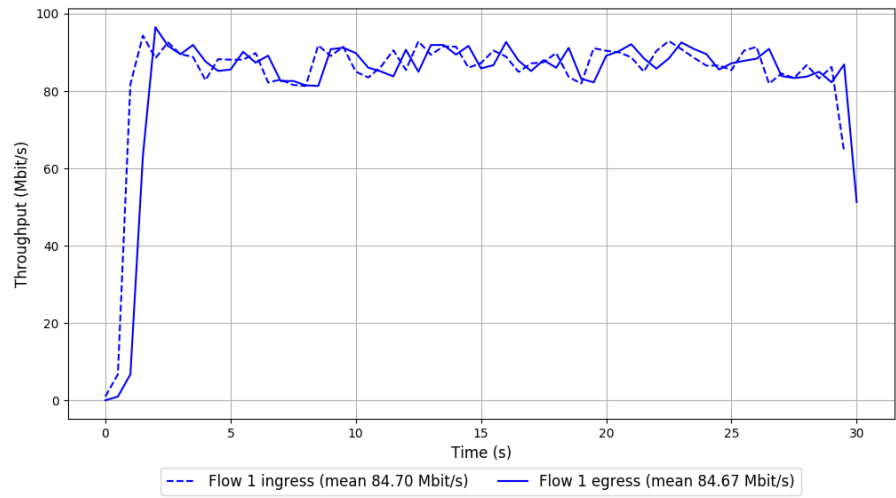


Run 5: Statistics of Indigo

Start at: 2018-07-25 01:11:18
End at: 2018-07-25 01:11:48
Local clock offset: -2.831 ms
Remote clock offset: 12.152 ms

Below is generated by plot.py at 2018-07-25 03:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 88.277 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 88.277 ms
Loss rate: 0.59%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-25 01:31:02

End at: 2018-07-25 01:31:32

Local clock offset: -2.756 ms

Remote clock offset: 3.738 ms

Below is generated by plot.py at 2018-07-25 03:04:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.69 Mbit/s

95th percentile per-packet one-way delay: 85.864 ms

Loss rate: 0.54%

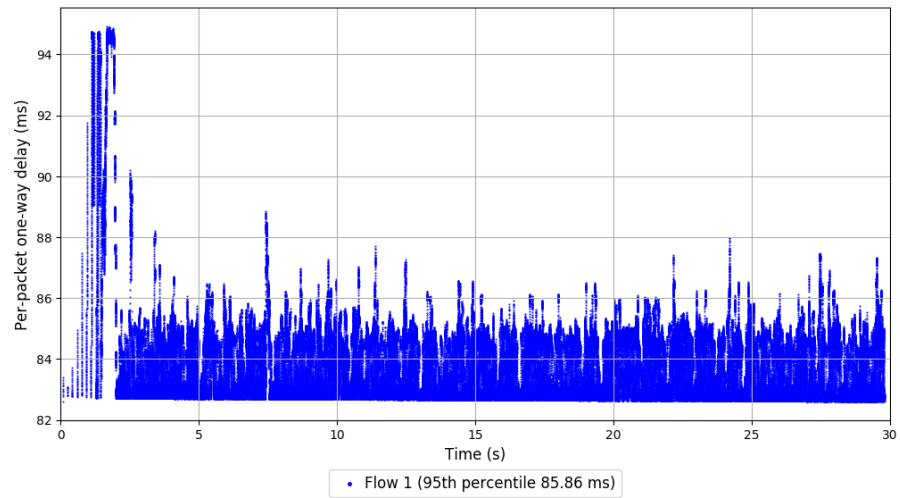
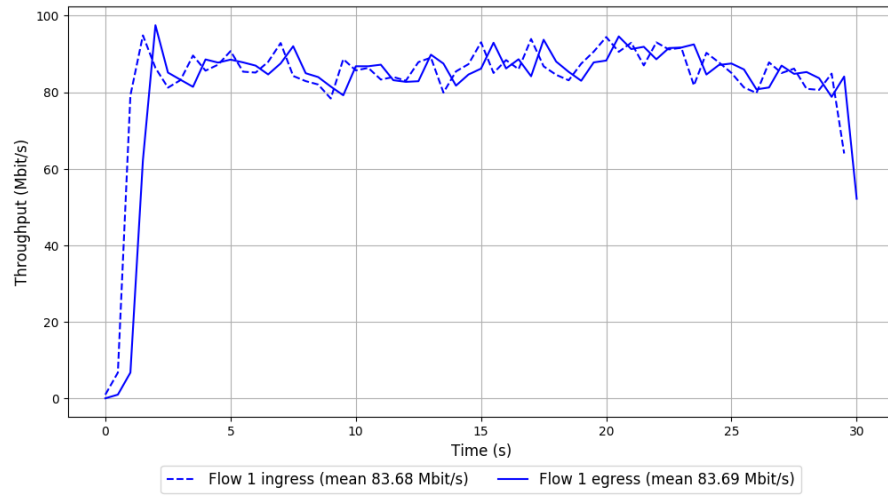
-- Flow 1:

Average throughput: 83.69 Mbit/s

95th percentile per-packet one-way delay: 85.864 ms

Loss rate: 0.54%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-25 01:50:48

End at: 2018-07-25 01:51:18

Local clock offset: -2.956 ms

Remote clock offset: 5.968 ms

Below is generated by plot.py at 2018-07-25 03:04:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.23 Mbit/s

95th percentile per-packet one-way delay: 82.721 ms

Loss rate: 0.59%

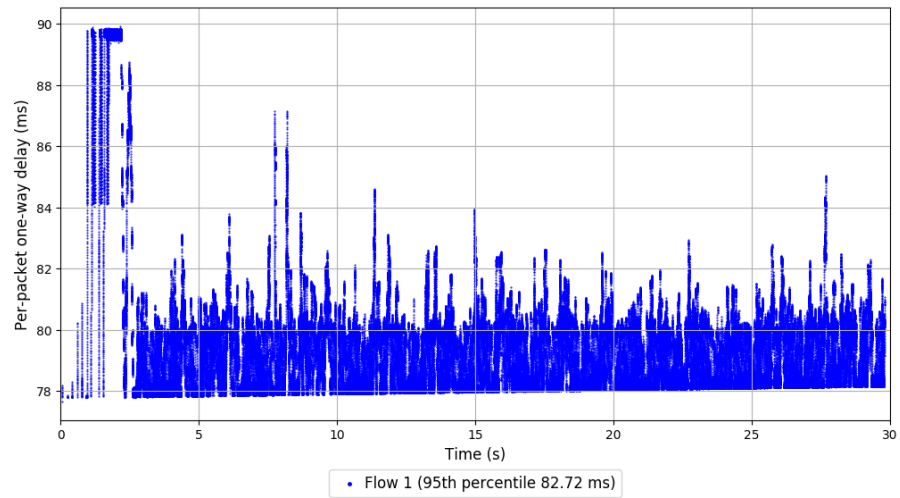
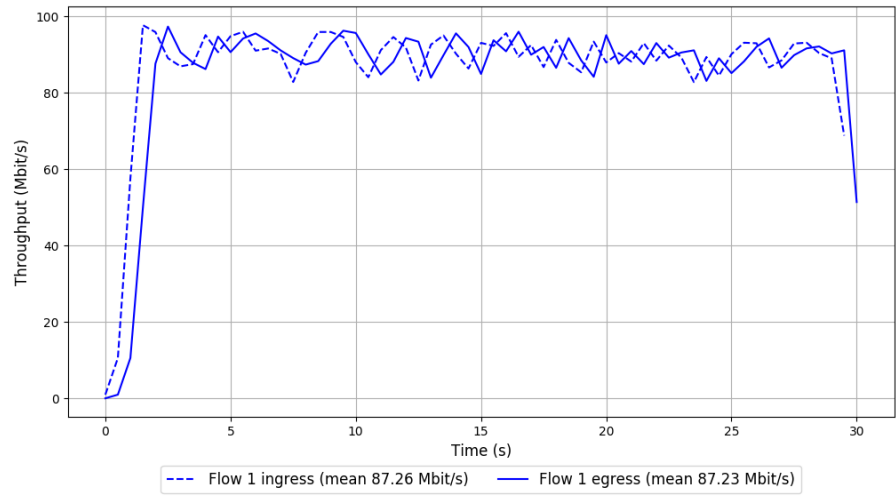
-- Flow 1:

Average throughput: 87.23 Mbit/s

95th percentile per-packet one-way delay: 82.721 ms

Loss rate: 0.59%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-25 02:10:32

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

Local clock offset: -2.824 ms

Remote clock offset: 13.41 ms

Below is generated by plot.py at 2018-07-25 03:04:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.08 Mbit/s

95th percentile per-packet one-way delay: 81.732 ms

Loss rate: 0.61%

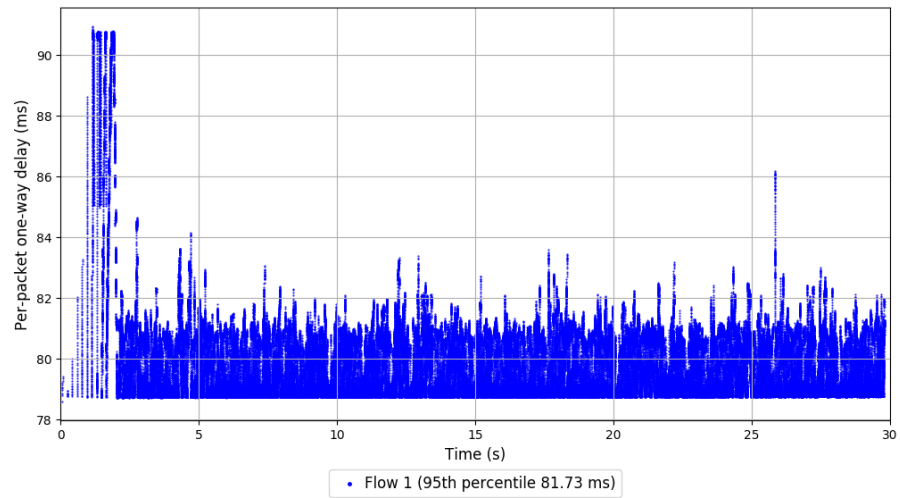
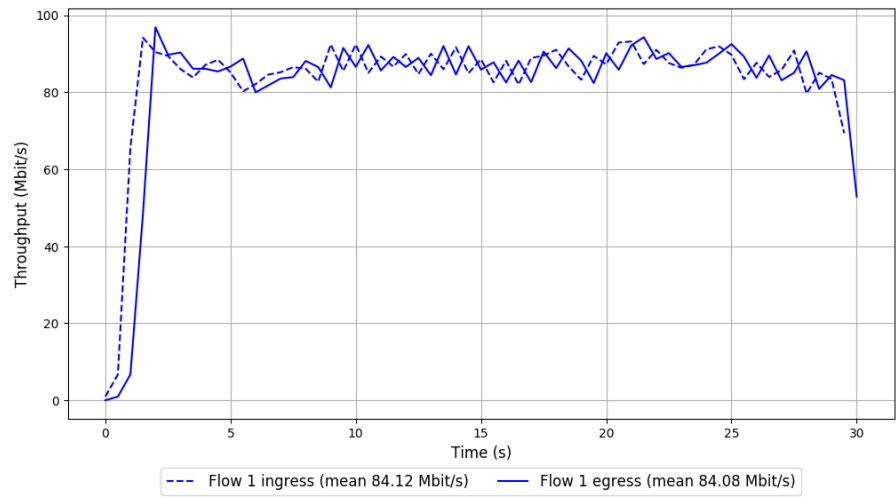
-- Flow 1:

Average throughput: 84.08 Mbit/s

95th percentile per-packet one-way delay: 81.732 ms

Loss rate: 0.61%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-25 02:30:11

End at: 2018-07-25 02:30:41

Local clock offset: -2.735 ms

Remote clock offset: 6.913 ms

Below is generated by plot.py at 2018-07-25 03:04:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.44 Mbit/s

95th percentile per-packet one-way delay: 96.597 ms

Loss rate: 13.88%

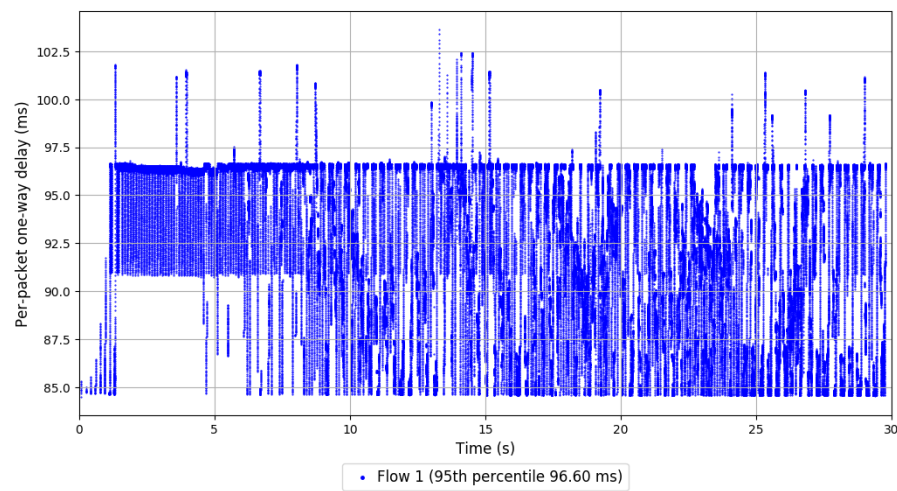
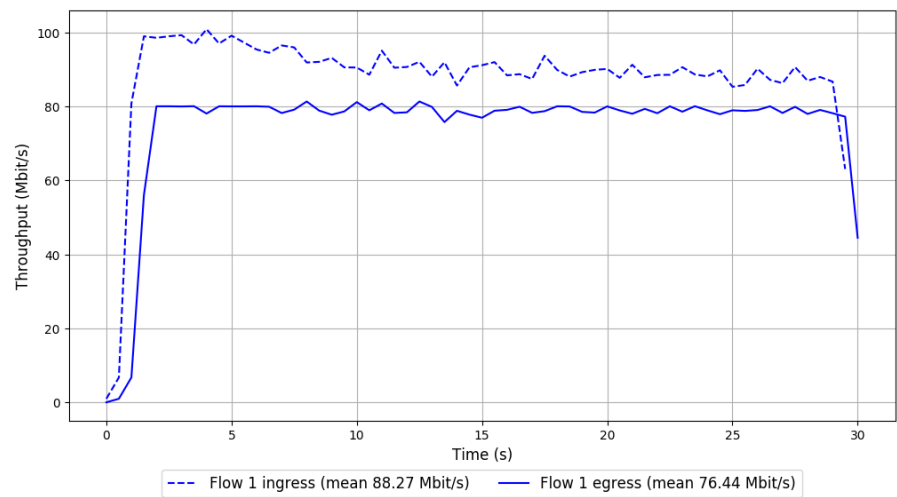
-- Flow 1:

Average throughput: 76.44 Mbit/s

95th percentile per-packet one-way delay: 96.597 ms

Loss rate: 13.88%

Run 9: Report of Indigo — Data Link

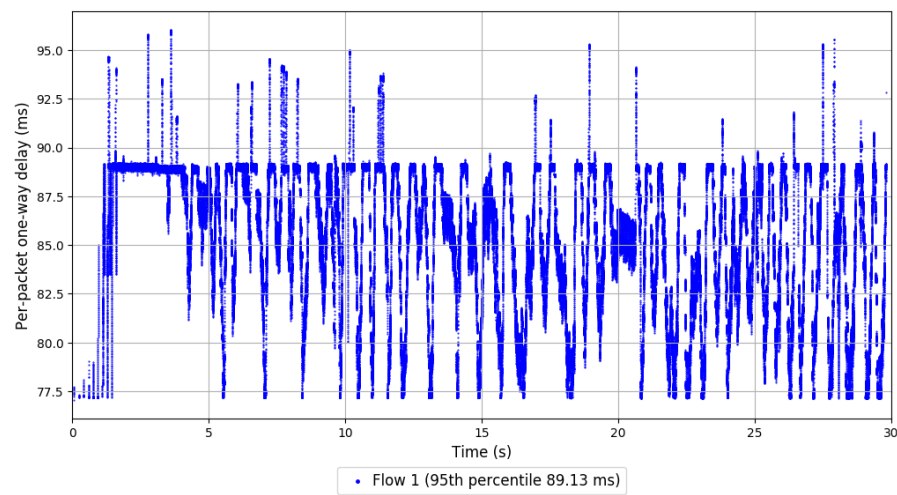
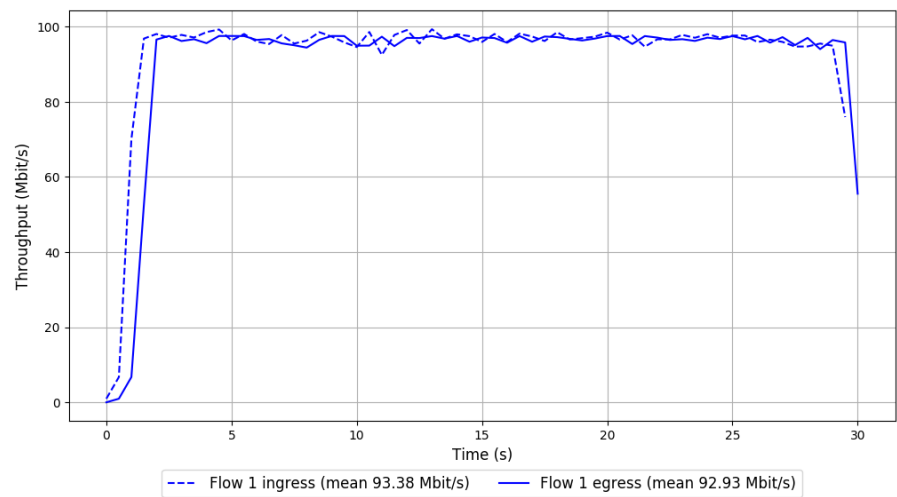


Run 10: Statistics of Indigo

Start at: 2018-07-25 02:49:59
End at: 2018-07-25 02:50:29
Local clock offset: -2.613 ms
Remote clock offset: 11.289 ms

Below is generated by plot.py at 2018-07-25 03:04:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 89.134 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 89.134 ms
Loss rate: 1.01%

Run 10: Report of Indigo — Data Link

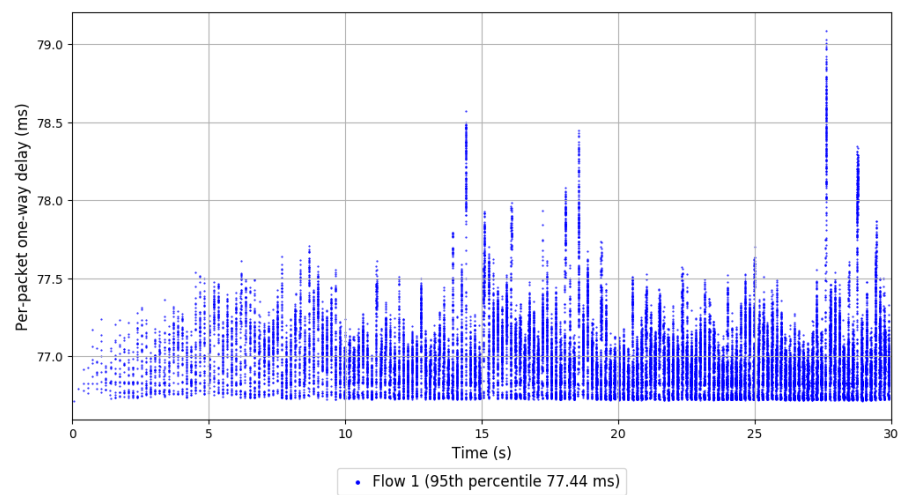
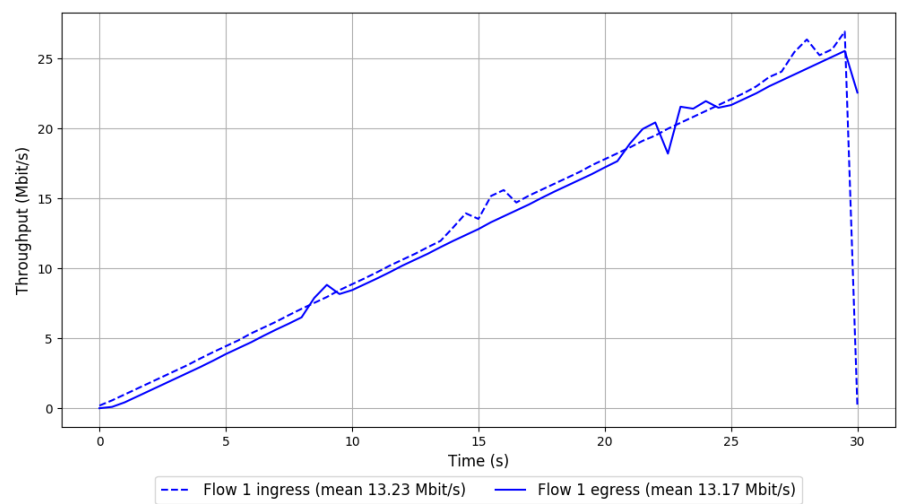


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-24 23:50:54
End at: 2018-07-24 23:51:24
Local clock offset: -2.87 ms
Remote clock offset: 9.685 ms

# Below is generated by plot.py at 2018-07-25 03:04:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.17 Mbit/s
95th percentile per-packet one-way delay: 77.436 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 13.17 Mbit/s
95th percentile per-packet one-way delay: 77.436 ms
Loss rate: 1.00%
```


Run 1: Report of LEDBAT — Data Link

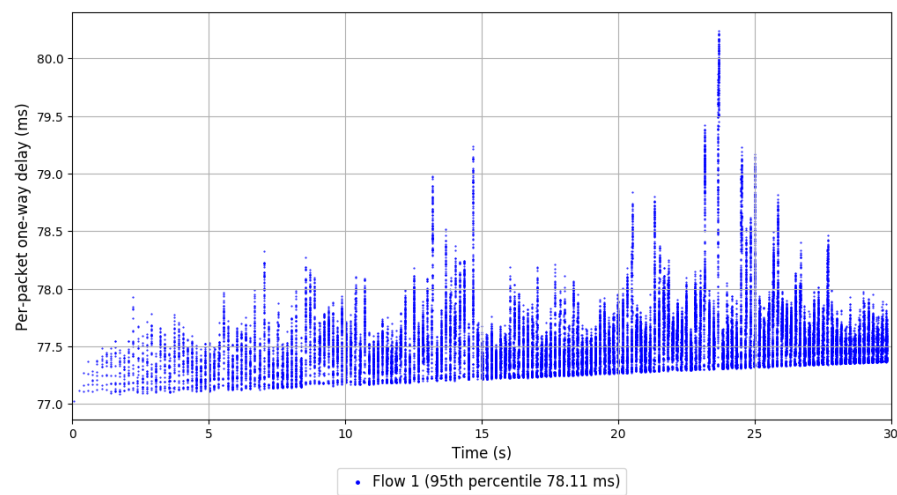
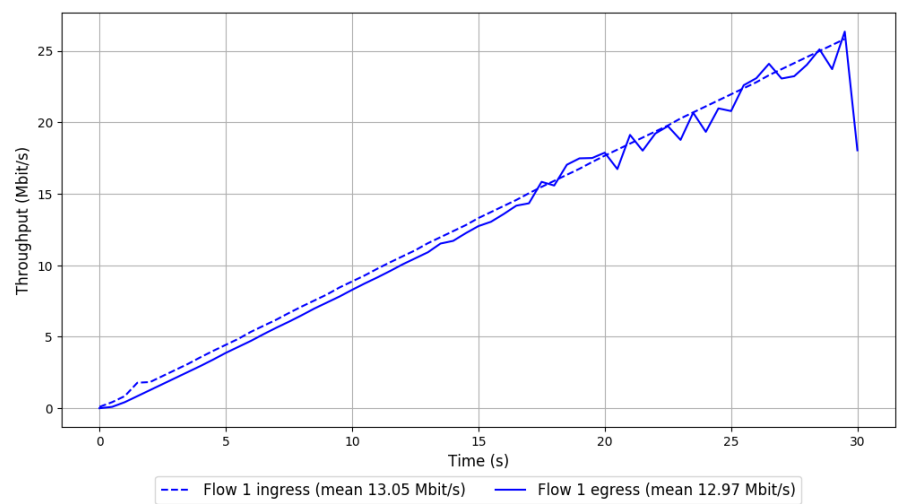


Run 2: Statistics of LEDBAT

Start at: 2018-07-25 00:10:43
End at: 2018-07-25 00:11:13
Local clock offset: -2.957 ms
Remote clock offset: 11.813 ms

Below is generated by plot.py at 2018-07-25 03:04:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 78.108 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 78.108 ms
Loss rate: 1.11%

Run 2: Report of LEDBAT — Data Link

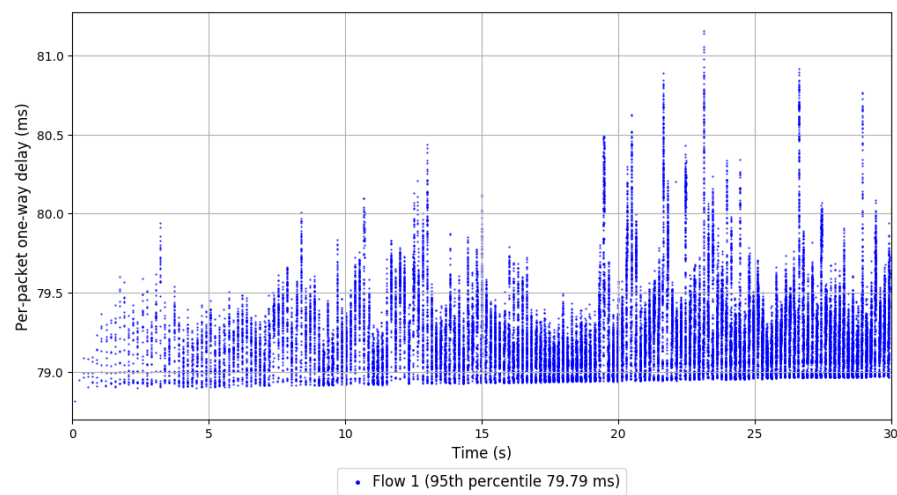
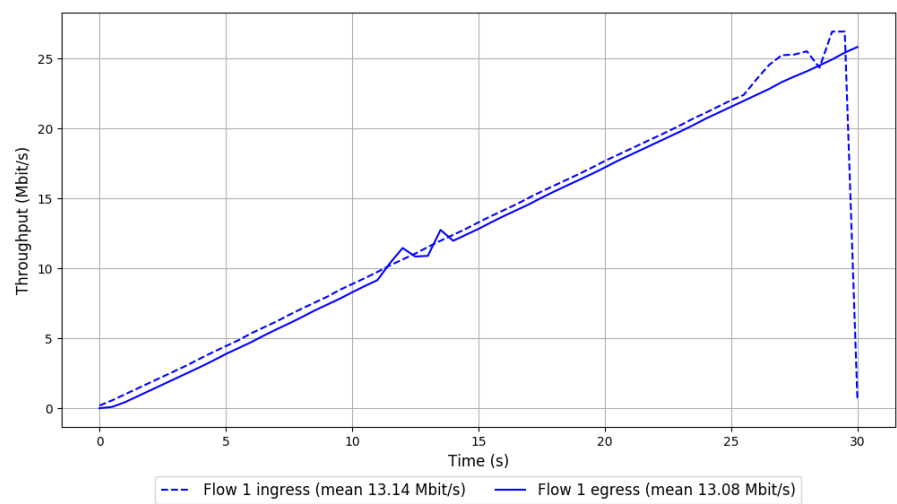


Run 3: Statistics of LEDBAT

Start at: 2018-07-25 00:30:29
End at: 2018-07-25 00:30:59
Local clock offset: -3.096 ms
Remote clock offset: 15.896 ms

Below is generated by plot.py at 2018-07-25 03:04:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 79.786 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 79.786 ms
Loss rate: 1.06%

Run 3: Report of LEDBAT — Data Link

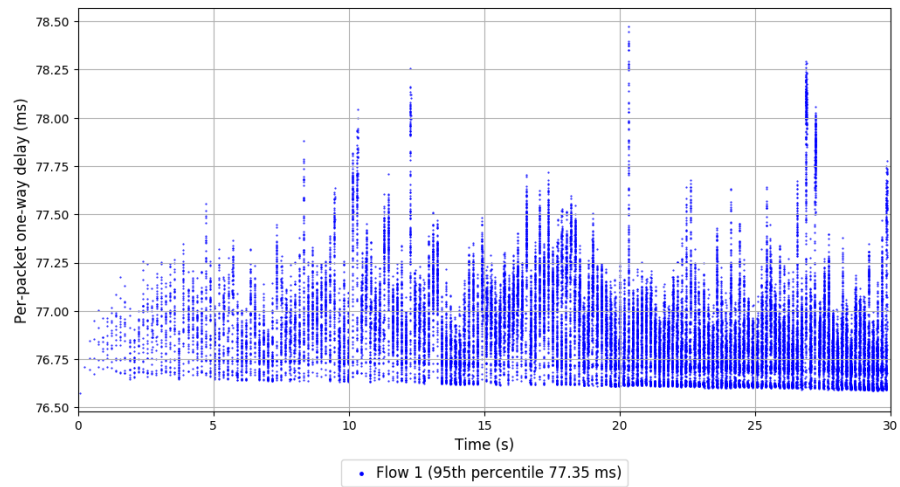
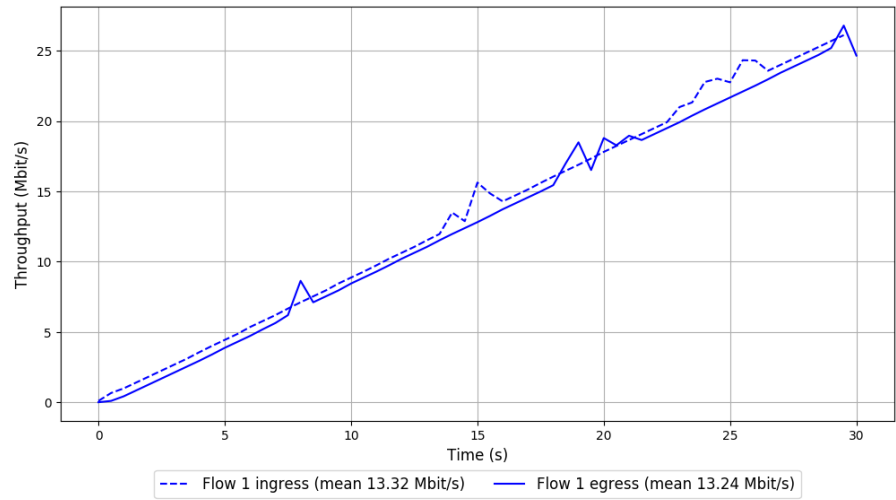


Run 4: Statistics of LEDBAT

Start at: 2018-07-25 00:50:19
End at: 2018-07-25 00:50:49
Local clock offset: -2.972 ms
Remote clock offset: 17.361 ms

Below is generated by plot.py at 2018-07-25 03:04:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 77.353 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 77.353 ms
Loss rate: 1.10%

Run 4: Report of LEDBAT — Data Link

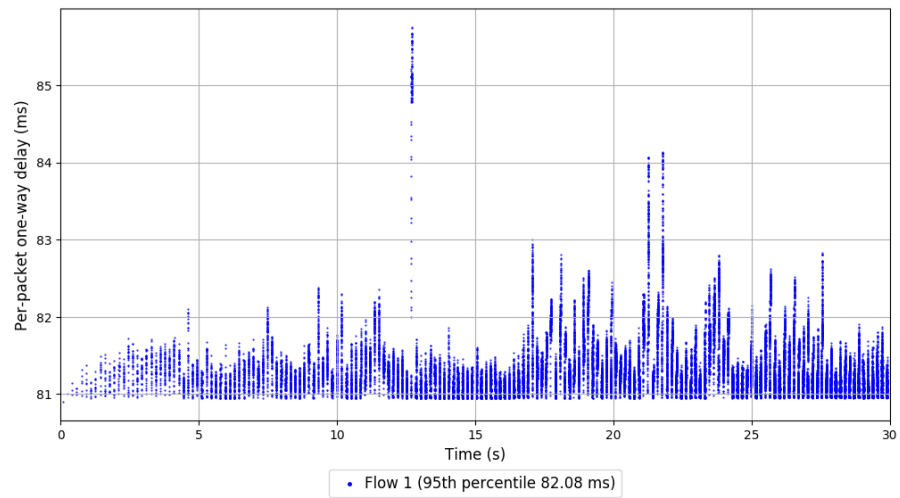
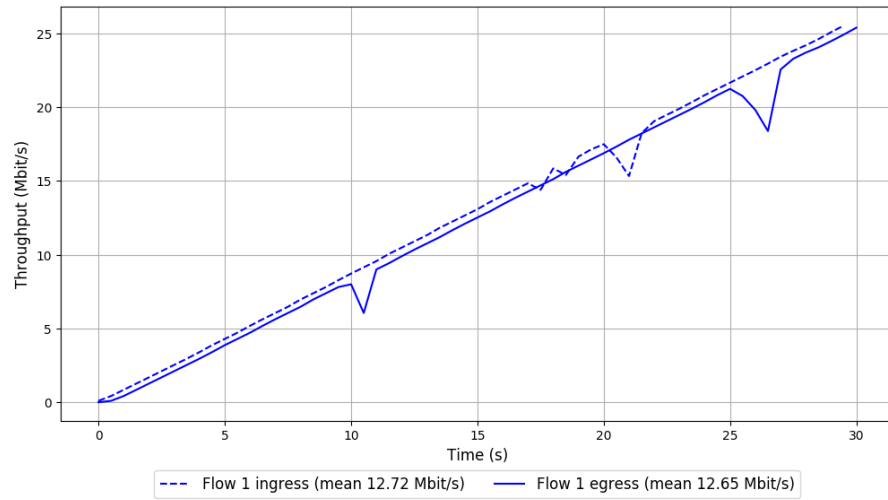


Run 5: Statistics of LEDBAT

Start at: 2018-07-25 01:10:10
End at: 2018-07-25 01:10:40
Local clock offset: -2.819 ms
Remote clock offset: 14.773 ms

Below is generated by plot.py at 2018-07-25 03:04:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 82.077 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 82.077 ms
Loss rate: 1.12%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-25 01:29:55

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

Local clock offset: -2.76 ms

Remote clock offset: 5.225 ms

Below is generated by plot.py at 2018-07-25 03:04:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.77 Mbit/s

95th percentile per-packet one-way delay: 82.452 ms

Loss rate: 1.11%

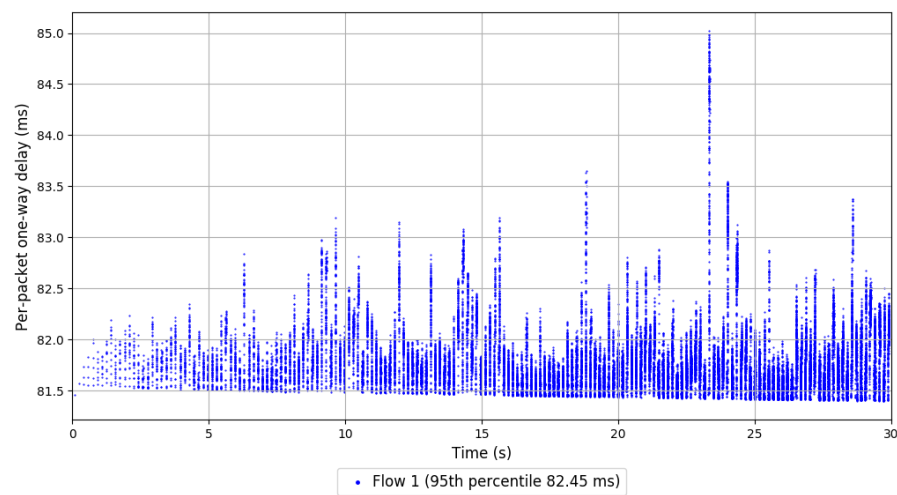
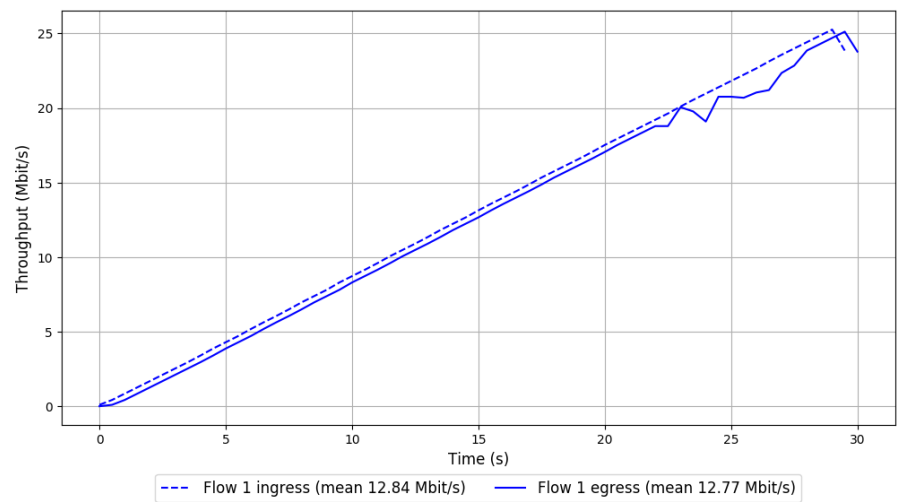
-- Flow 1:

Average throughput: 12.77 Mbit/s

95th percentile per-packet one-way delay: 82.452 ms

Loss rate: 1.11%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-25 01:49:40

End at: 2018-07-25 01:50:10

Local clock offset: -2.916 ms

Remote clock offset: 6.281 ms

Below is generated by plot.py at 2018-07-25 03:04:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.64 Mbit/s

95th percentile per-packet one-way delay: 78.009 ms

Loss rate: 1.12%

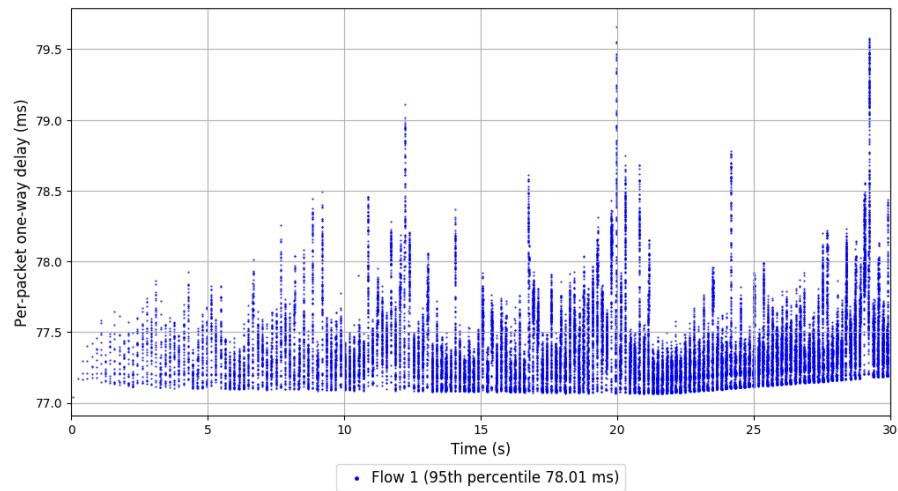
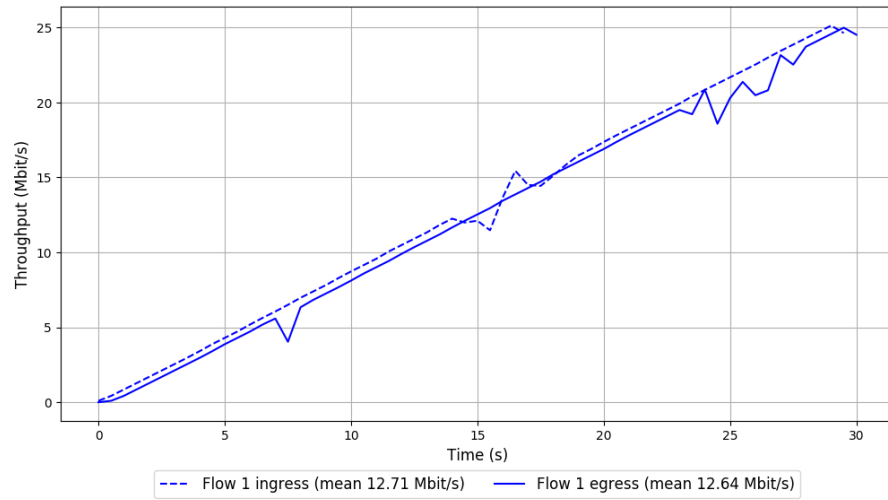
-- Flow 1:

Average throughput: 12.64 Mbit/s

95th percentile per-packet one-way delay: 78.009 ms

Loss rate: 1.12%

Run 7: Report of LEDBAT — Data Link

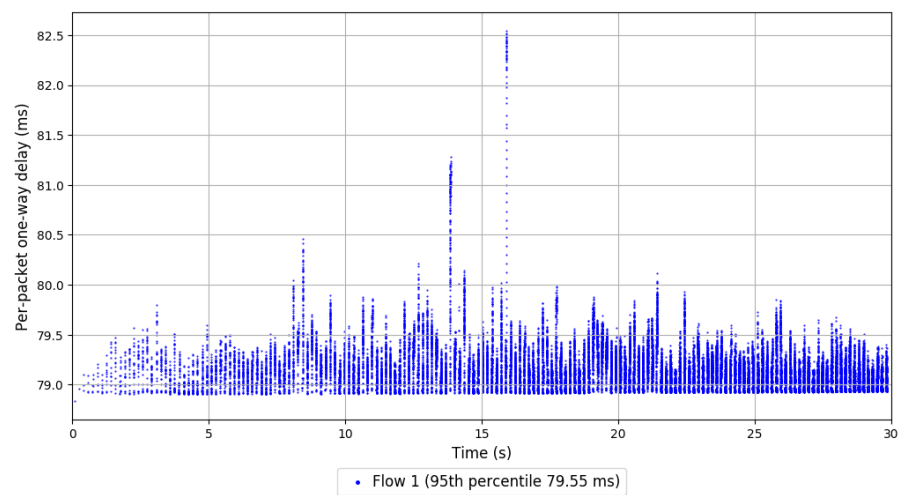
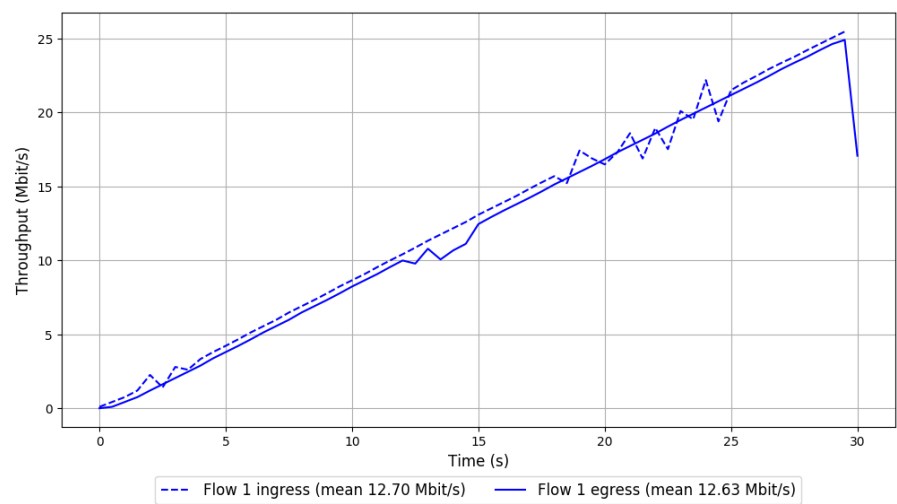


Run 8: Statistics of LEDBAT

Start at: 2018-07-25 02:09:24
End at: 2018-07-25 02:09:54
Local clock offset: -2.765 ms
Remote clock offset: 10.809 ms

Below is generated by plot.py at 2018-07-25 03:04:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.63 Mbit/s
95th percentile per-packet one-way delay: 79.545 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 12.63 Mbit/s
95th percentile per-packet one-way delay: 79.545 ms
Loss rate: 1.12%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-25 02:29:03

End at: 2018-07-25 02:29:33

Local clock offset: -2.663 ms

Remote clock offset: 8.155 ms

Below is generated by plot.py at 2018-07-25 03:04:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.43 Mbit/s

95th percentile per-packet one-way delay: 84.034 ms

Loss rate: 1.13%

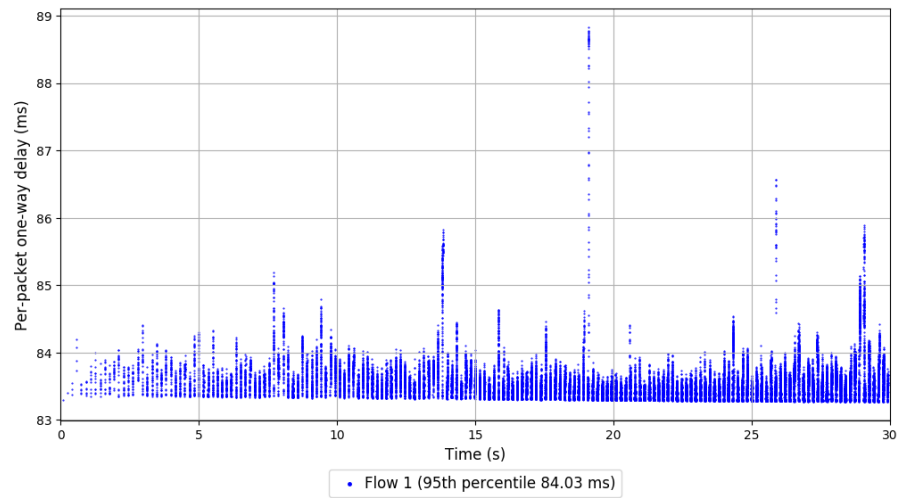
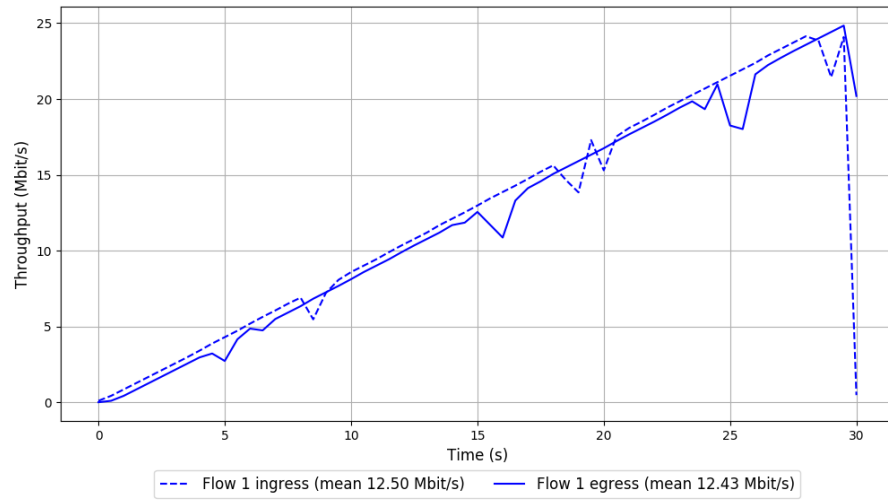
-- Flow 1:

Average throughput: 12.43 Mbit/s

95th percentile per-packet one-way delay: 84.034 ms

Loss rate: 1.13%

Run 9: Report of LEDBAT — Data Link

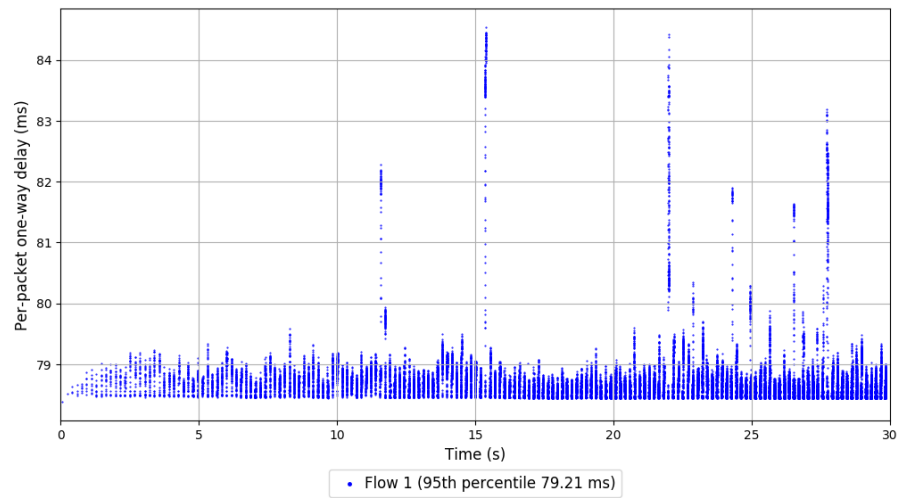
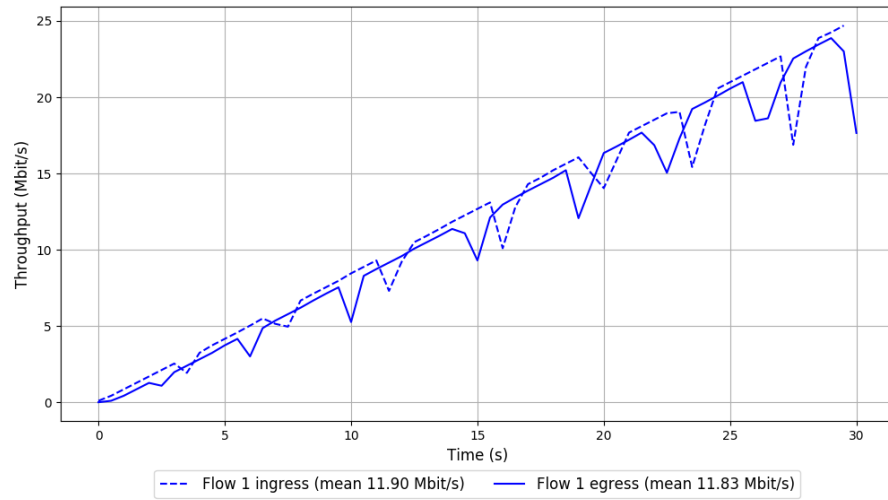


Run 10: Statistics of LEDBAT

Start at: 2018-07-25 02:48:51
End at: 2018-07-25 02:49:21
Local clock offset: -2.678 ms
Remote clock offset: 11.321 ms

Below is generated by plot.py at 2018-07-25 03:04:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 79.207 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 79.207 ms
Loss rate: 1.16%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-24 23:54:25

End at: 2018-07-24 23:54:55

Local clock offset: -2.89 ms

Remote clock offset: 3.695 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.34 Mbit/s

95th percentile per-packet one-way delay: 95.981 ms

Loss rate: 0.79%

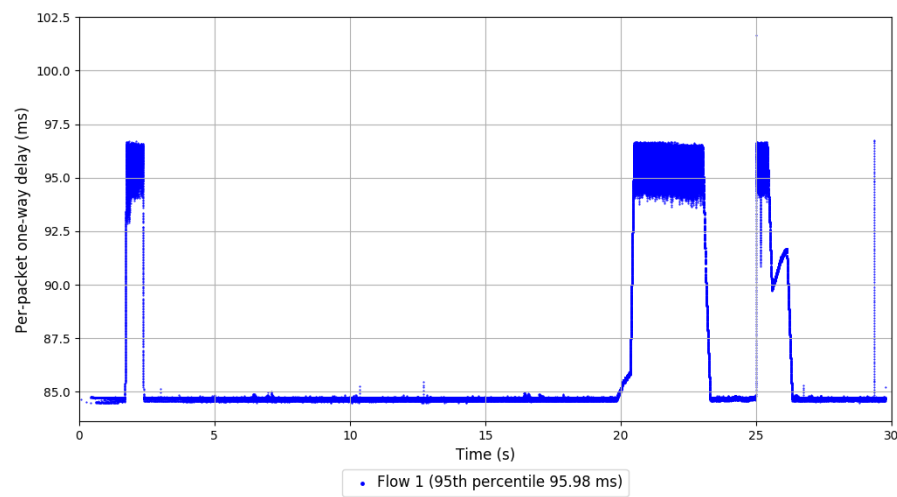
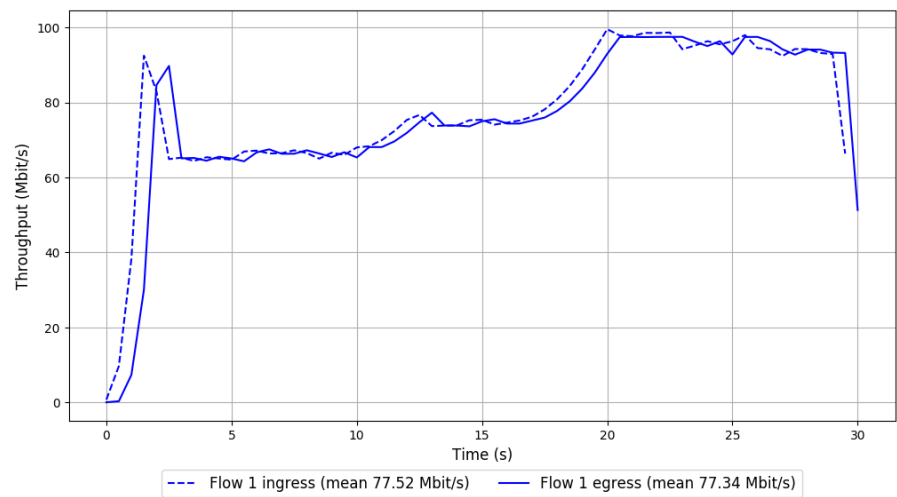
-- Flow 1:

Average throughput: 77.34 Mbit/s

95th percentile per-packet one-way delay: 95.981 ms

Loss rate: 0.79%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-25 00:14:14

End at: 2018-07-25 00:14:44

Local clock offset: -3.065 ms

Remote clock offset: 7.855 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.96 Mbit/s

95th percentile per-packet one-way delay: 85.069 ms

Loss rate: 0.67%

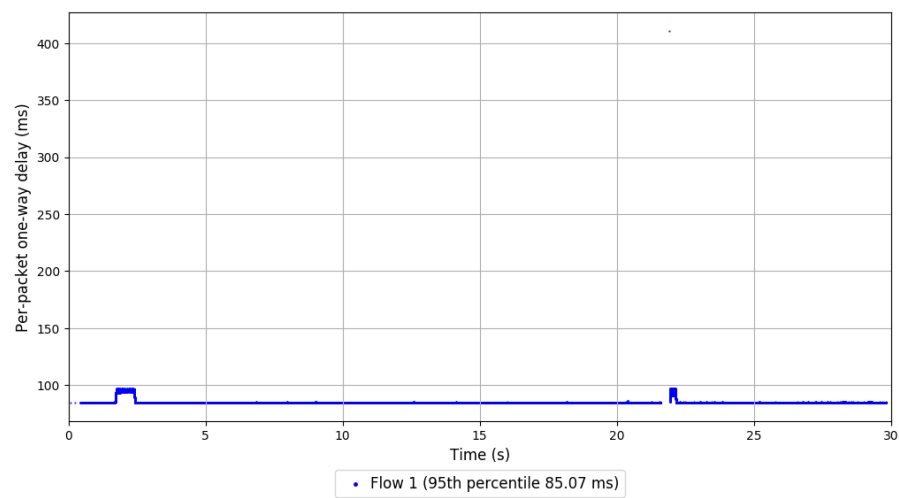
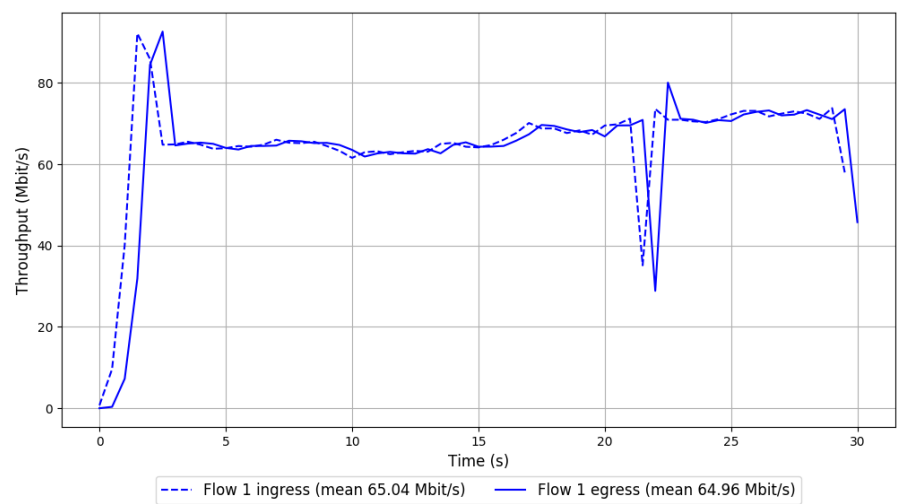
-- Flow 1:

Average throughput: 64.96 Mbit/s

95th percentile per-packet one-way delay: 85.069 ms

Loss rate: 0.67%

Run 2: Report of PCC-Allegro — Data Link

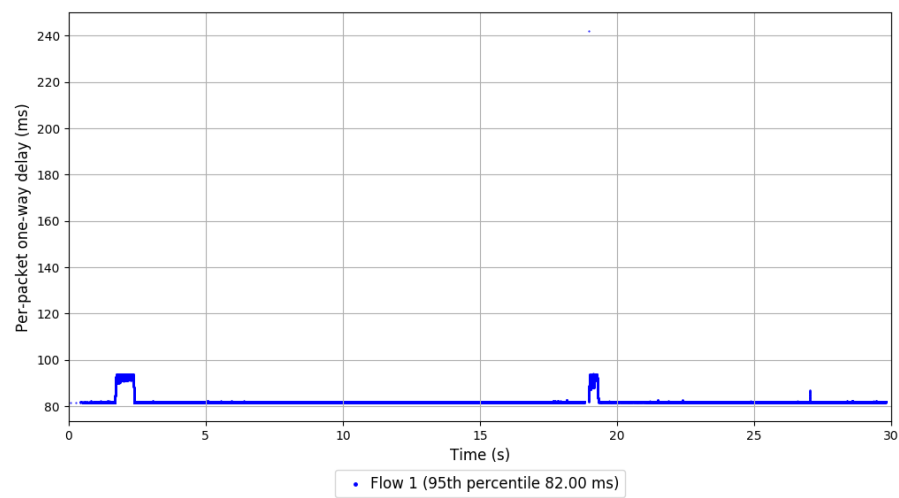
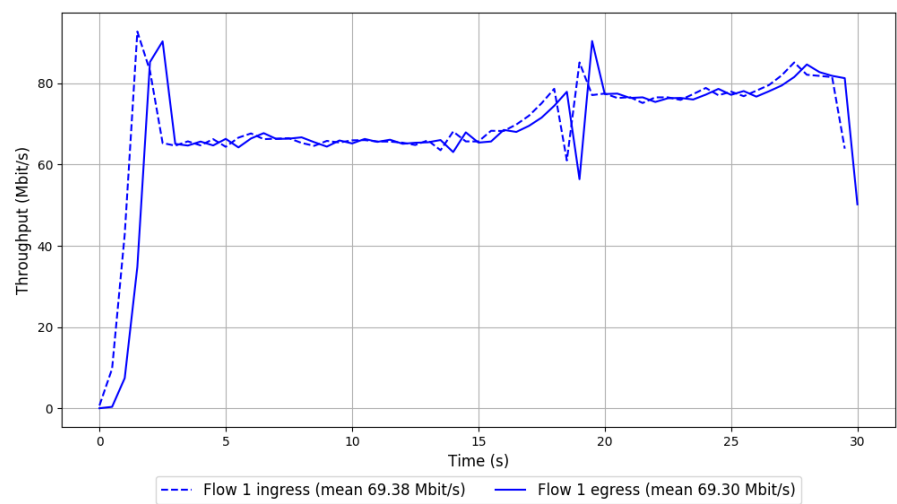


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-25 00:33:59
End at: 2018-07-25 00:34:29
Local clock offset: -3.118 ms
Remote clock offset: 13.574 ms

Below is generated by plot.py at 2018-07-25 03:05:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.30 Mbit/s
95th percentile per-packet one-way delay: 81.995 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 69.30 Mbit/s
95th percentile per-packet one-way delay: 81.995 ms
Loss rate: 0.67%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-25 00:53:50

End at: 2018-07-25 00:54:20

Local clock offset: -2.966 ms

Remote clock offset: 11.017 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.26 Mbit/s

95th percentile per-packet one-way delay: 84.685 ms

Loss rate: 0.61%

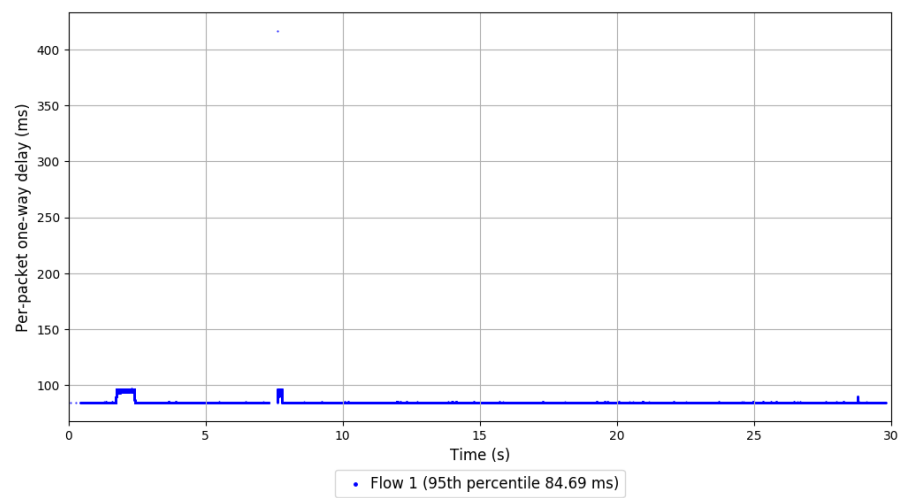
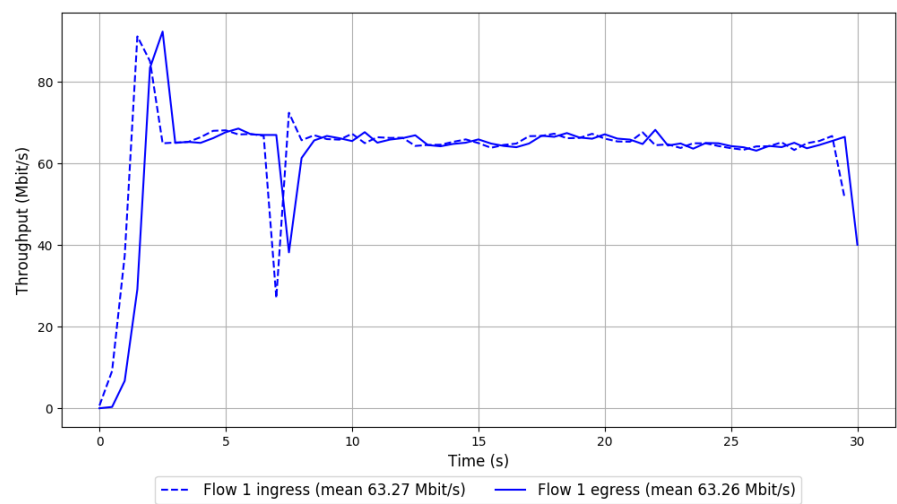
-- Flow 1:

Average throughput: 63.26 Mbit/s

95th percentile per-packet one-way delay: 84.685 ms

Loss rate: 0.61%

Run 4: Report of PCC-Allegro — Data Link

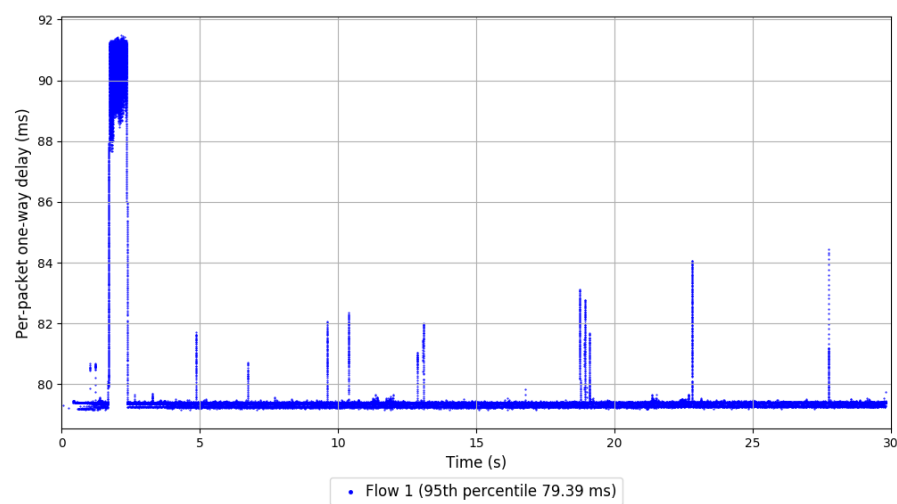
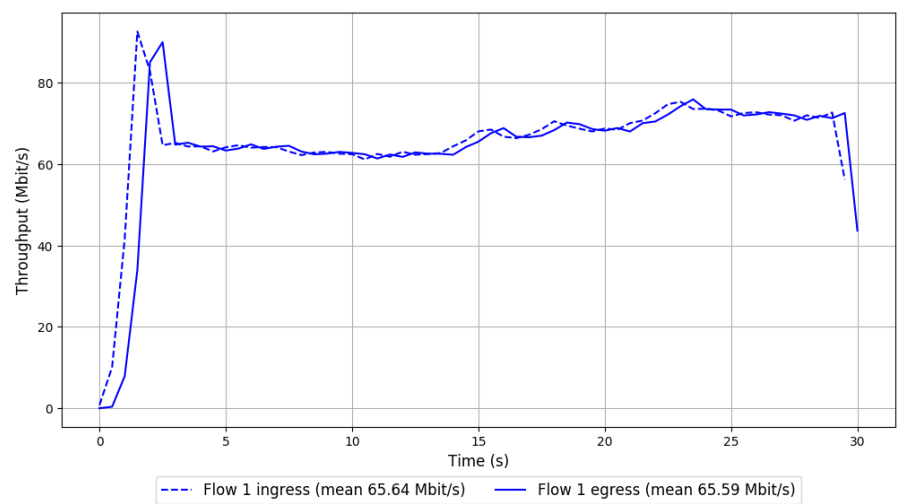


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-25 01:13:41
End at: 2018-07-25 01:14:11
Local clock offset: -2.804 ms
Remote clock offset: 14.874 ms

Below is generated by plot.py at 2018-07-25 03:05:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.59 Mbit/s
95th percentile per-packet one-way delay: 79.391 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 65.59 Mbit/s
95th percentile per-packet one-way delay: 79.391 ms
Loss rate: 0.62%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

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

End at: 2018-07-25 01:33:56

Local clock offset: -2.789 ms

Remote clock offset: 4.266 ms

Below is generated by plot.py at 2018-07-25 03:05:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.55 Mbit/s

95th percentile per-packet one-way delay: 81.987 ms

Loss rate: 0.56%

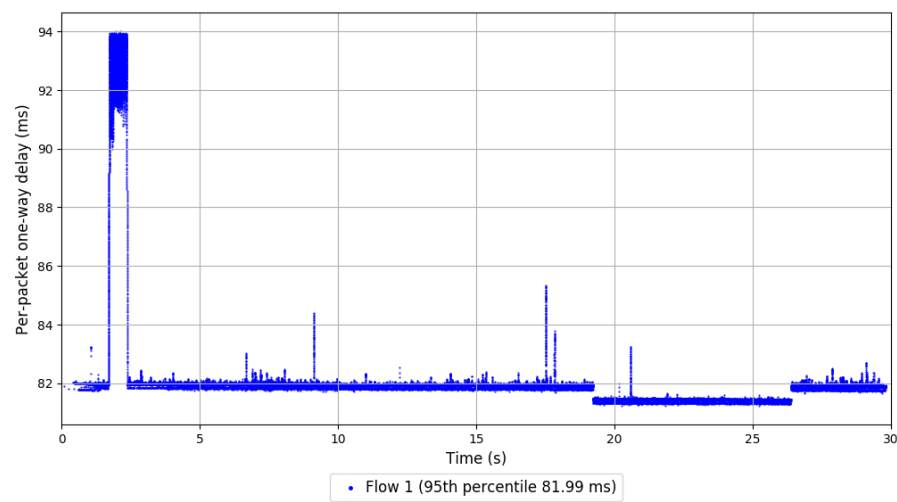
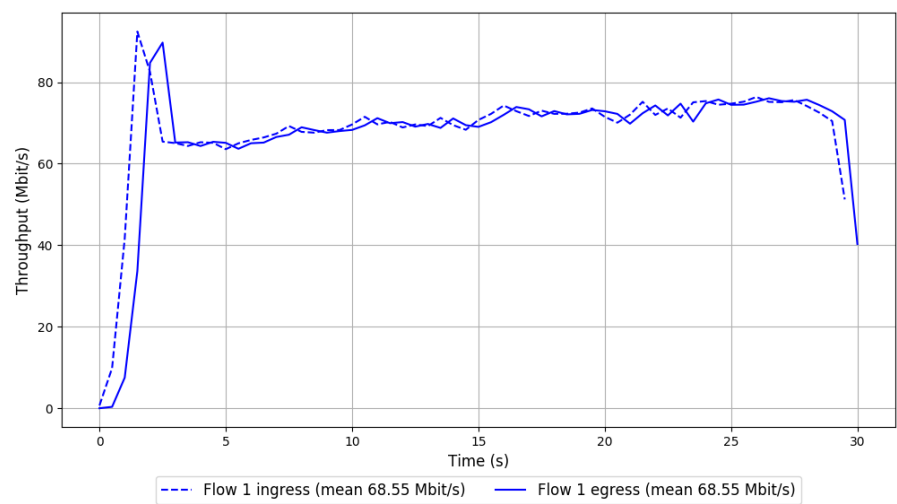
-- Flow 1:

Average throughput: 68.55 Mbit/s

95th percentile per-packet one-way delay: 81.987 ms

Loss rate: 0.56%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-25 01:53:10

End at: 2018-07-25 01:53:40

Local clock offset: -2.89 ms

Remote clock offset: 8.083 ms

Below is generated by plot.py at 2018-07-25 03:05:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.65 Mbit/s

95th percentile per-packet one-way delay: 77.702 ms

Loss rate: 0.58%

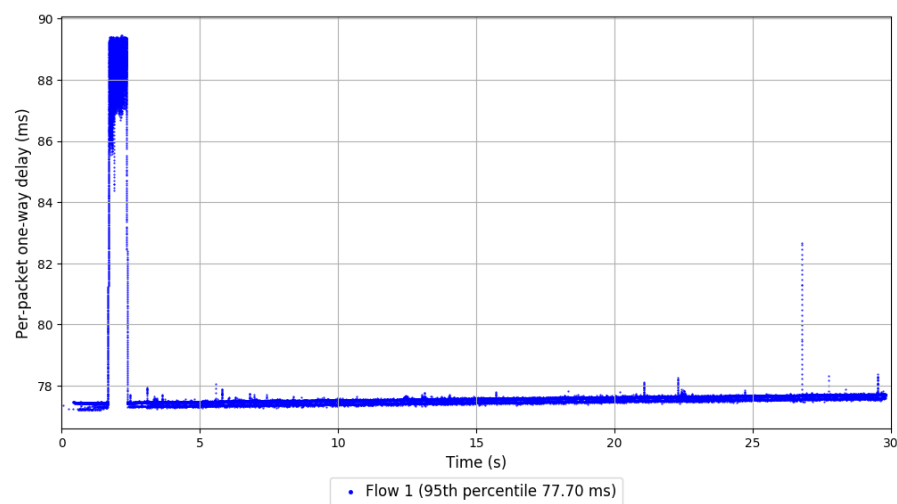
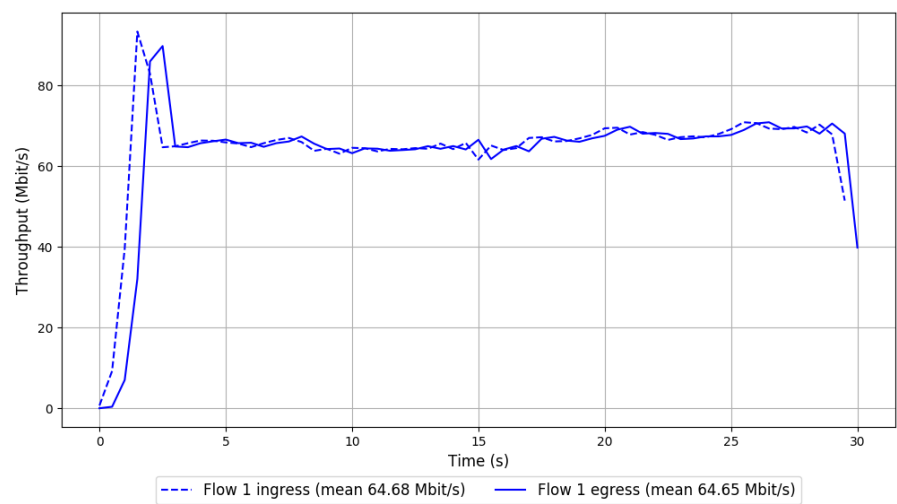
-- Flow 1:

Average throughput: 64.65 Mbit/s

95th percentile per-packet one-way delay: 77.702 ms

Loss rate: 0.58%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-25 02:12:54

End at: 2018-07-25 02:13:24

Local clock offset: -2.811 ms

Remote clock offset: 7.66 ms

Below is generated by plot.py at 2018-07-25 03:05:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.54 Mbit/s

95th percentile per-packet one-way delay: 85.227 ms

Loss rate: 0.61%

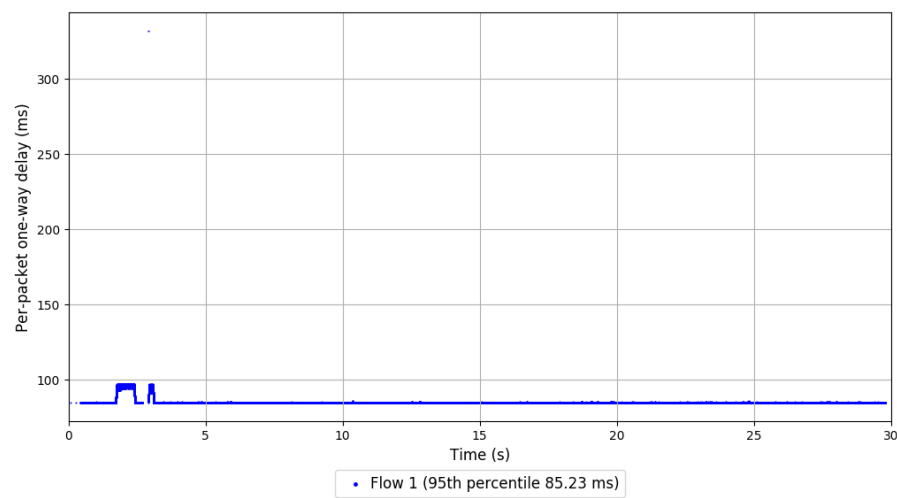
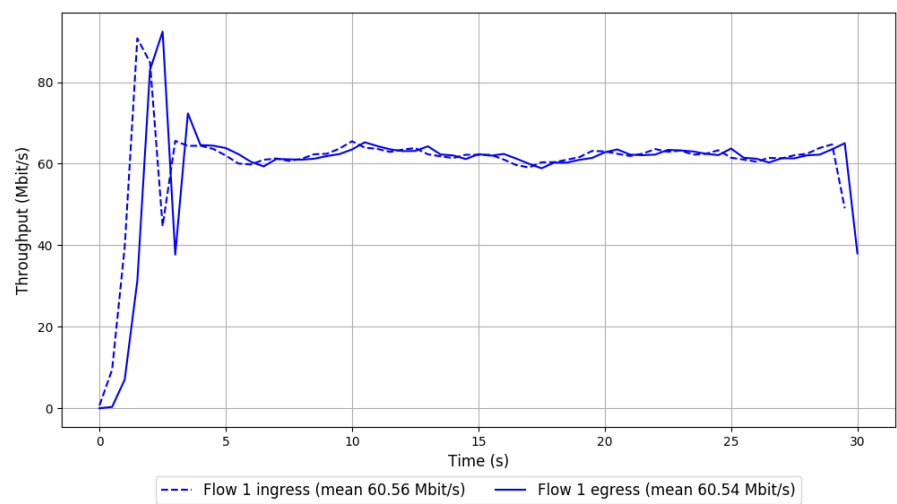
-- Flow 1:

Average throughput: 60.54 Mbit/s

95th percentile per-packet one-way delay: 85.227 ms

Loss rate: 0.61%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-25 02:32:33

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

Local clock offset: -2.642 ms

Remote clock offset: 7.748 ms

Below is generated by plot.py at 2018-07-25 03:05:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.06 Mbit/s

95th percentile per-packet one-way delay: 85.601 ms

Loss rate: 0.74%

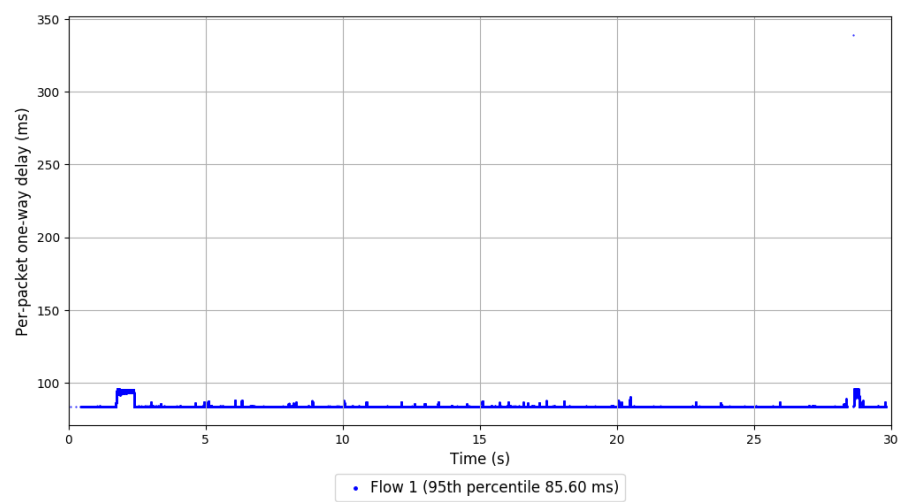
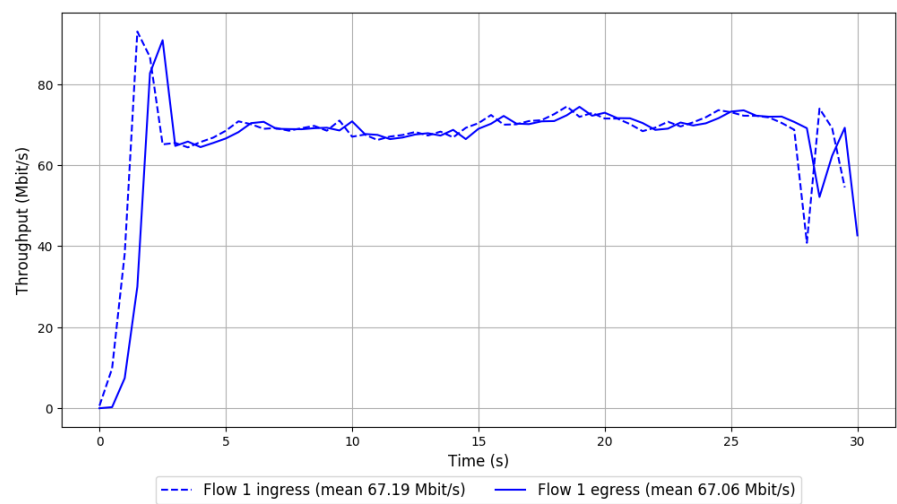
-- Flow 1:

Average throughput: 67.06 Mbit/s

95th percentile per-packet one-way delay: 85.601 ms

Loss rate: 0.74%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-25 02:52:22

End at: 2018-07-25 02:52:52

Local clock offset: -2.694 ms

Remote clock offset: 6.368 ms

Below is generated by plot.py at 2018-07-25 03:05:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.31 Mbit/s

95th percentile per-packet one-way delay: 85.813 ms

Loss rate: 0.66%

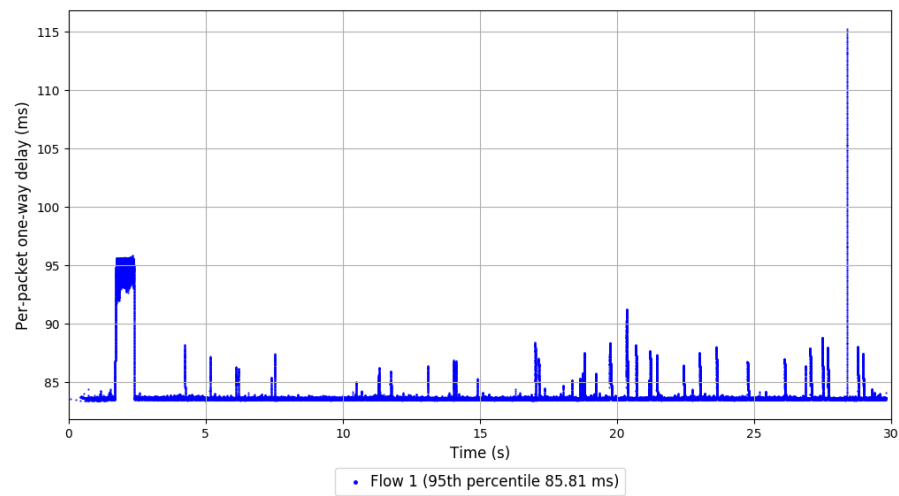
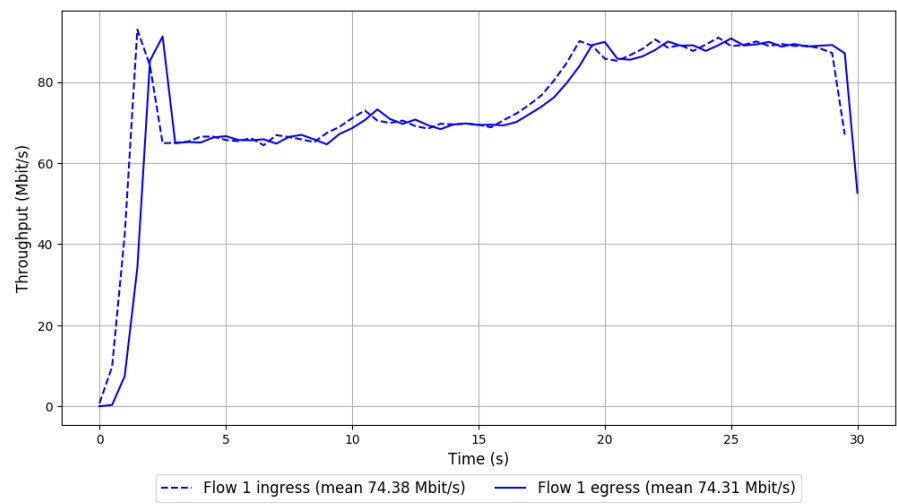
-- Flow 1:

Average throughput: 74.31 Mbit/s

95th percentile per-packet one-way delay: 85.813 ms

Loss rate: 0.66%

Run 10: Report of PCC-Allegro — Data Link

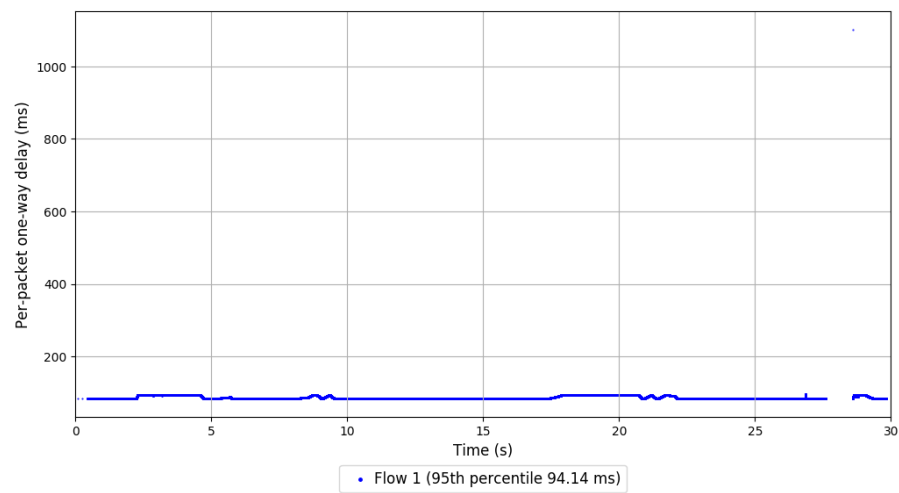
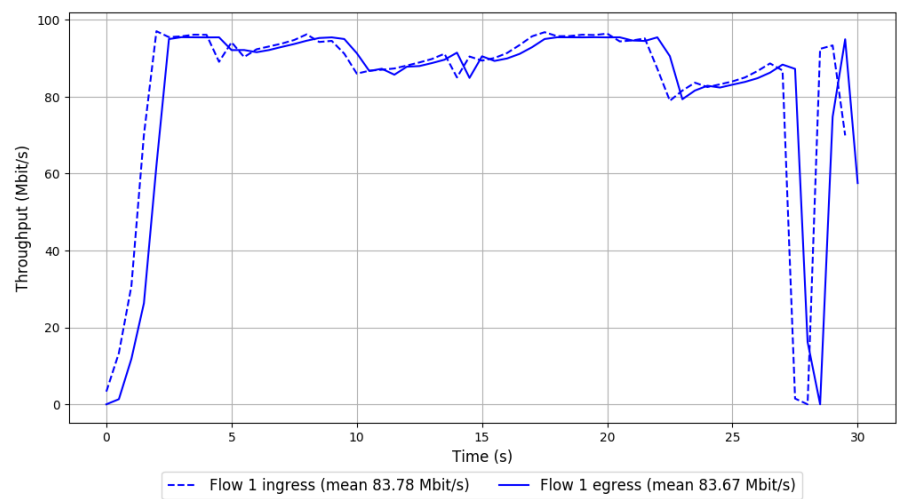


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-24 23:55:35
End at: 2018-07-24 23:56:05
Local clock offset: -2.889 ms
Remote clock offset: 3.649 ms

# Below is generated by plot.py at 2018-07-25 03:06:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 94.140 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 94.140 ms
Loss rate: 0.68%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-25 00:15:23

End at: 2018-07-25 00:15:53

Local clock offset: -3.003 ms

Remote clock offset: 8.332 ms

Below is generated by plot.py at 2018-07-25 03:06:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.73 Mbit/s

95th percentile per-packet one-way delay: 92.083 ms

Loss rate: 0.92%

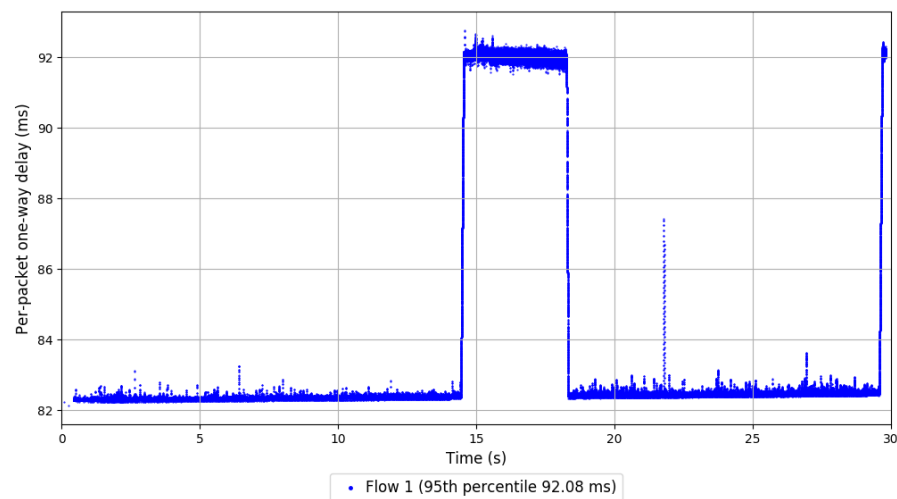
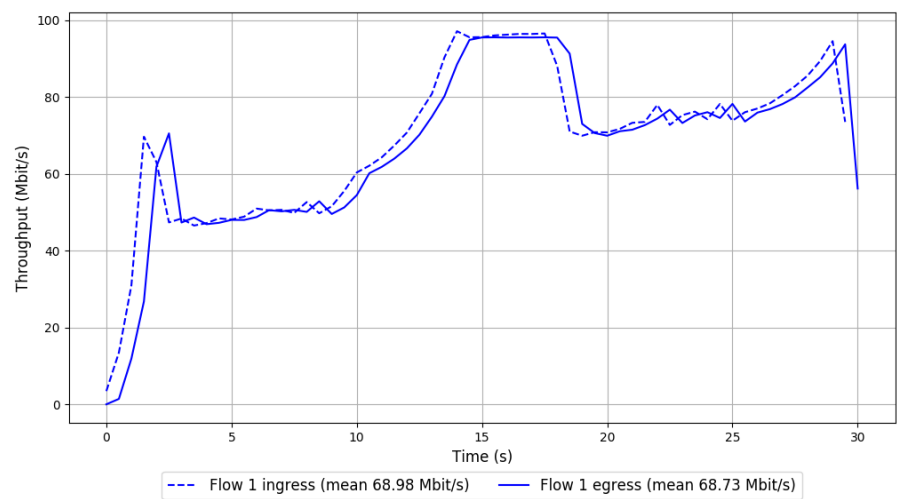
-- Flow 1:

Average throughput: 68.73 Mbit/s

95th percentile per-packet one-way delay: 92.083 ms

Loss rate: 0.92%

Run 2: Report of PCC-Expr — Data Link

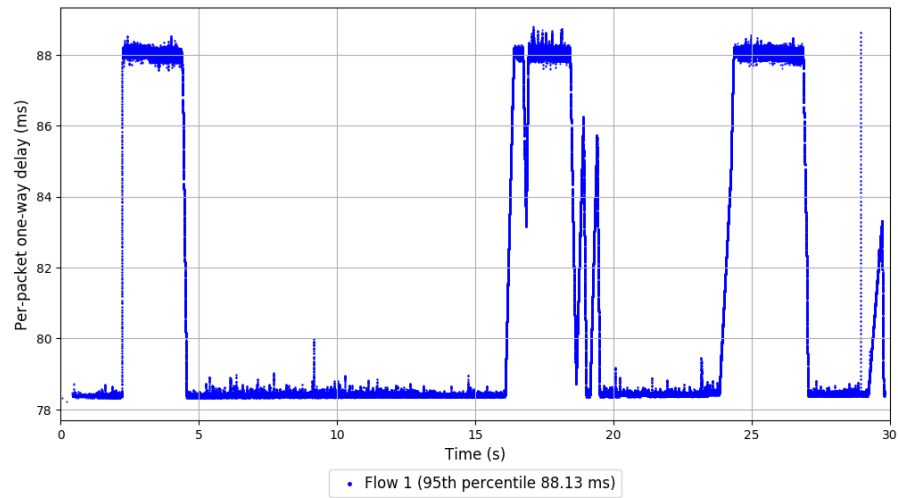
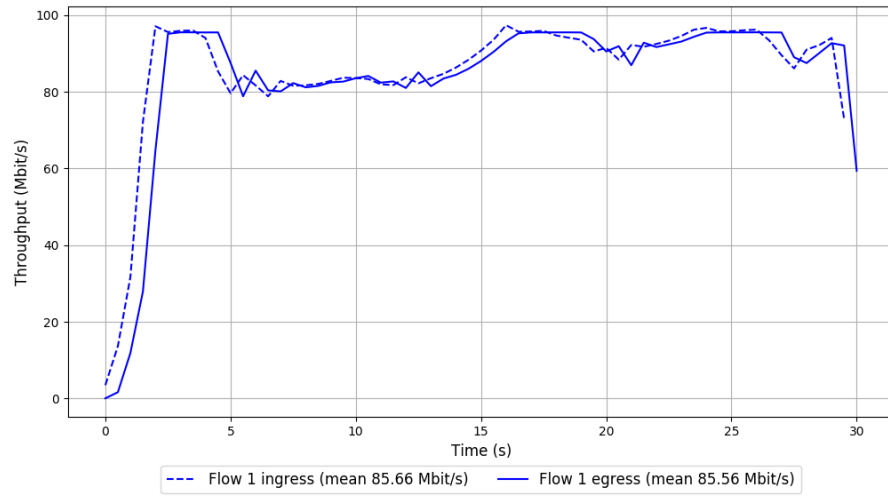


Run 3: Statistics of PCC-Expr

Start at: 2018-07-25 00:35:09
End at: 2018-07-25 00:35:39
Local clock offset: -3.086 ms
Remote clock offset: 16.997 ms

Below is generated by plot.py at 2018-07-25 03:06:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.56 Mbit/s
95th percentile per-packet one-way delay: 88.127 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 85.56 Mbit/s
95th percentile per-packet one-way delay: 88.127 ms
Loss rate: 0.68%

Run 3: Report of PCC-Expr — Data Link

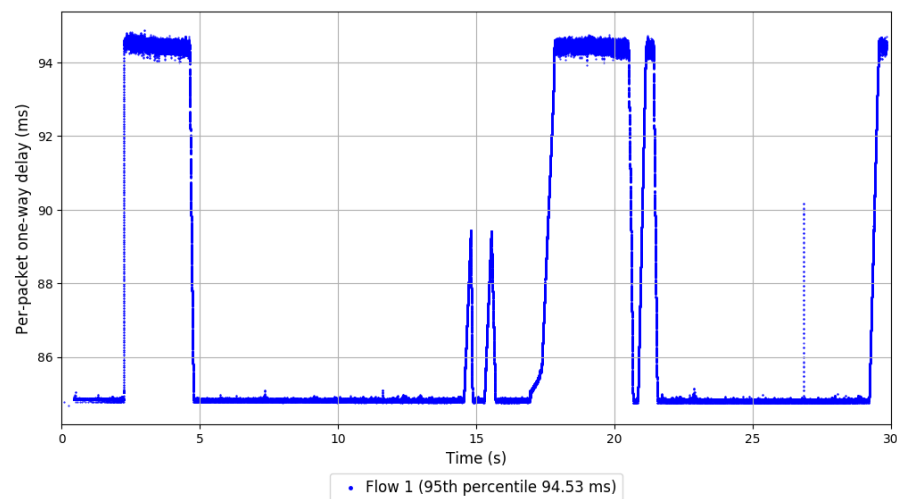
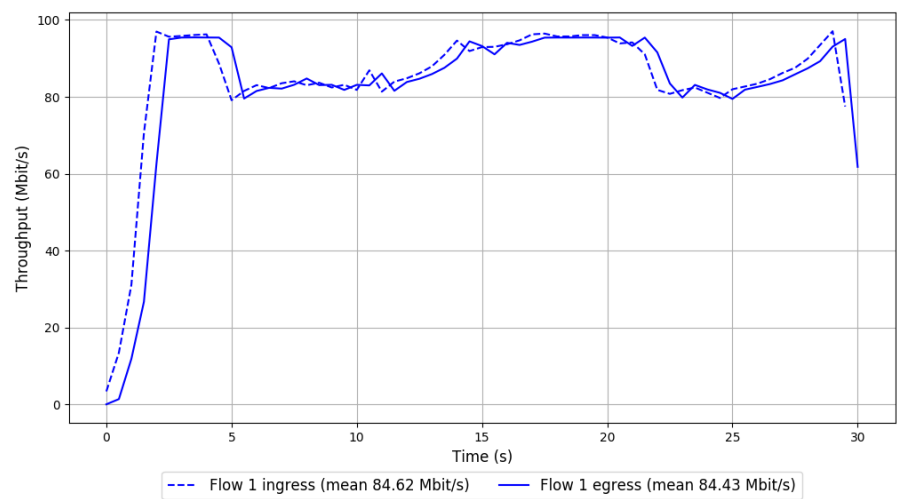


Run 4: Statistics of PCC-Expr

Start at: 2018-07-25 00:55:00
End at: 2018-07-25 00:55:30
Local clock offset: -2.967 ms
Remote clock offset: 10.943 ms

Below is generated by plot.py at 2018-07-25 03:06:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 94.526 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 94.526 ms
Loss rate: 0.79%

Run 4: Report of PCC-Expr — Data Link

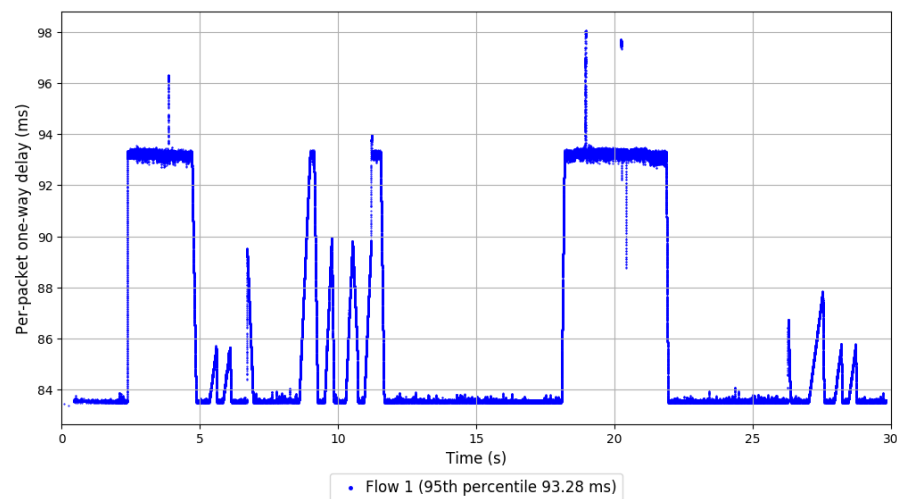
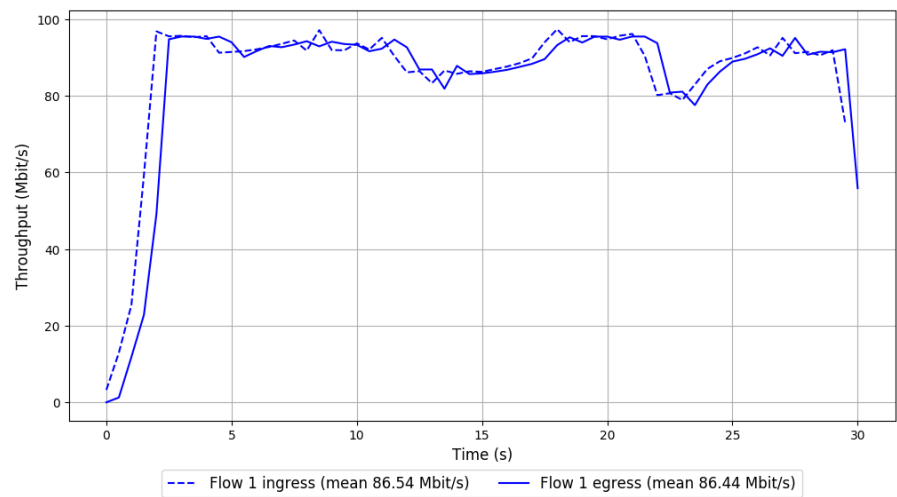


Run 5: Statistics of PCC-Expr

Start at: 2018-07-25 01:14:50
End at: 2018-07-25 01:15:20
Local clock offset: -2.79 ms
Remote clock offset: 12.267 ms

Below is generated by plot.py at 2018-07-25 03:06:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.44 Mbit/s
95th percentile per-packet one-way delay: 93.279 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 86.44 Mbit/s
95th percentile per-packet one-way delay: 93.279 ms
Loss rate: 0.68%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-25 01:34:35

End at: 2018-07-25 01:35:05

Local clock offset: -2.8 ms

Remote clock offset: 8.88 ms

Below is generated by plot.py at 2018-07-25 03:07:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.33 Mbit/s

95th percentile per-packet one-way delay: 86.232 ms

Loss rate: 1.03%

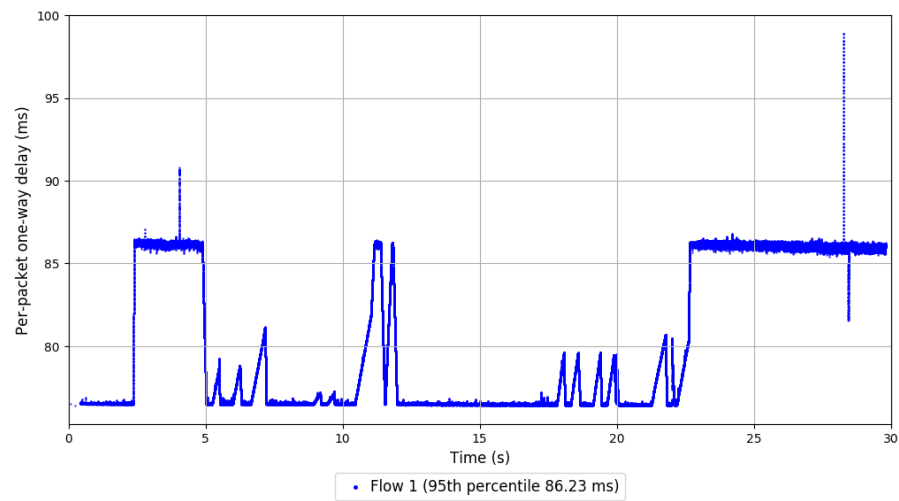
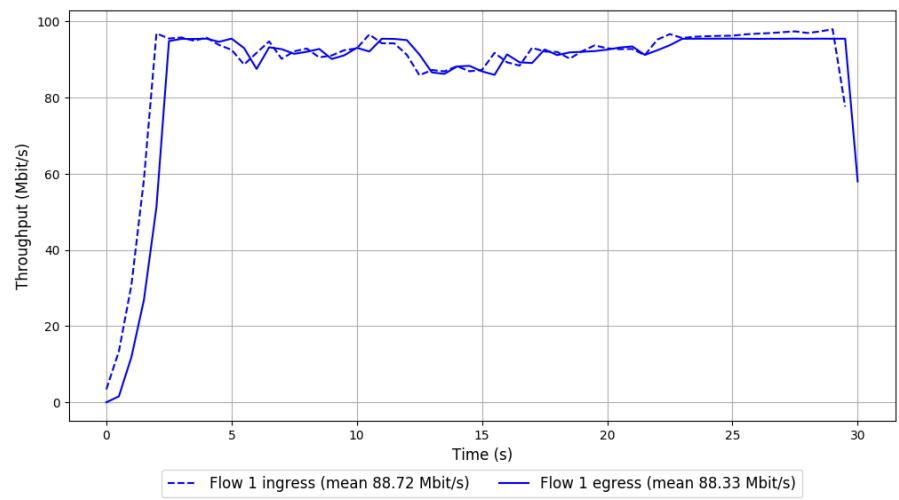
-- Flow 1:

Average throughput: 88.33 Mbit/s

95th percentile per-packet one-way delay: 86.232 ms

Loss rate: 1.03%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-25 01:54:19

End at: 2018-07-25 01:54:49

Local clock offset: -2.907 ms

Remote clock offset: 8.172 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.18 Mbit/s

95th percentile per-packet one-way delay: 90.097 ms

Loss rate: 0.65%

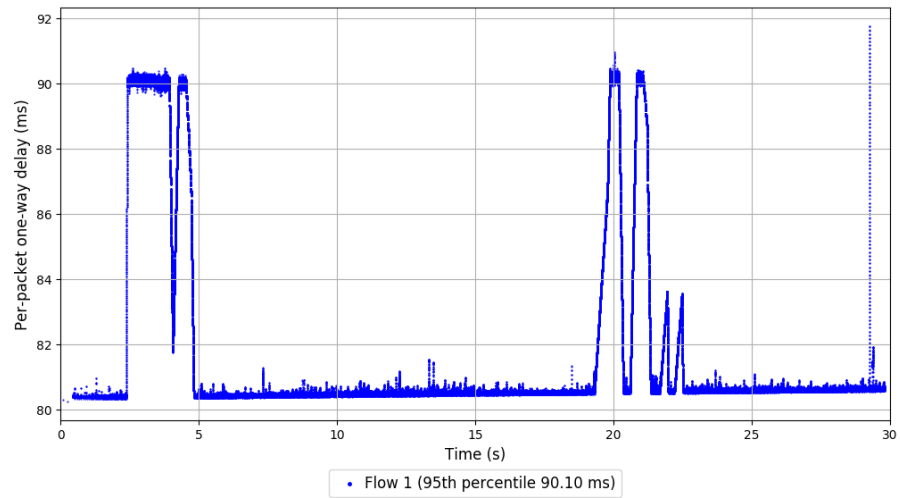
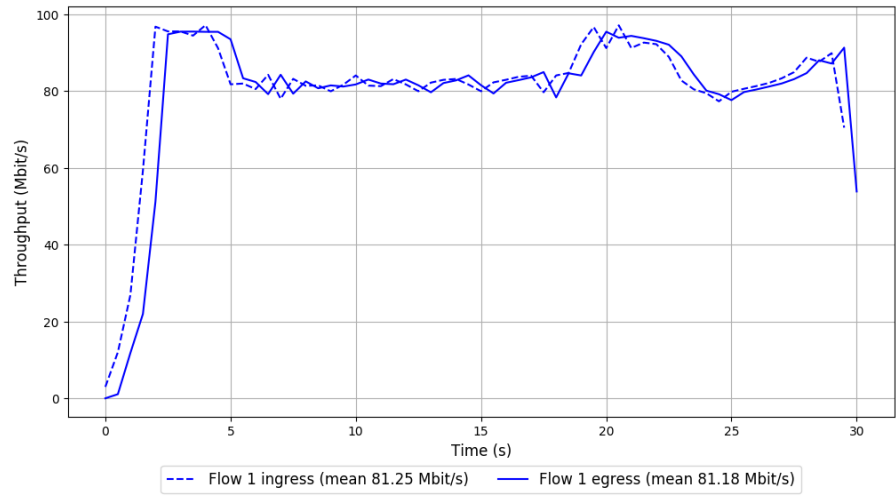
-- Flow 1:

Average throughput: 81.18 Mbit/s

95th percentile per-packet one-way delay: 90.097 ms

Loss rate: 0.65%

Run 7: Report of PCC-Expr — Data Link

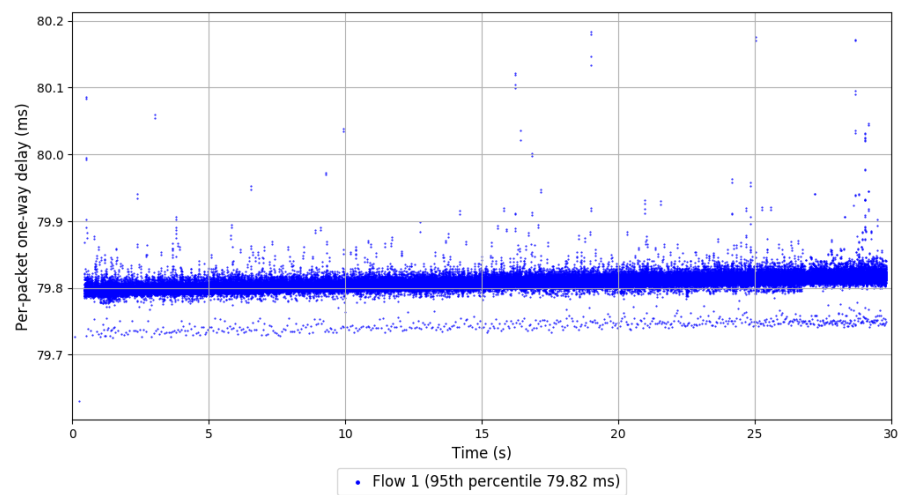
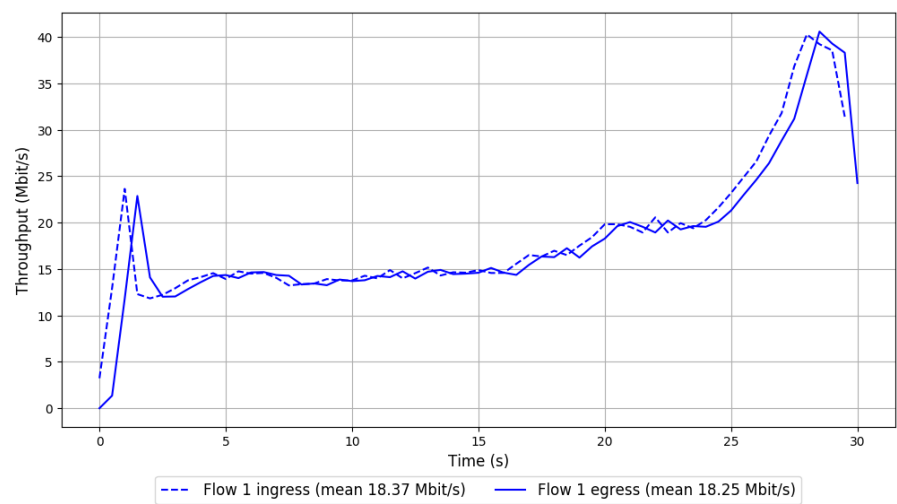


Run 8: Statistics of PCC-Expr

Start at: 2018-07-25 02:14:03
End at: 2018-07-25 02:14:33
Local clock offset: -2.727 ms
Remote clock offset: 10.475 ms

Below is generated by plot.py at 2018-07-25 03:07:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.25 Mbit/s
95th percentile per-packet one-way delay: 79.823 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 18.25 Mbit/s
95th percentile per-packet one-way delay: 79.823 ms
Loss rate: 1.22%

Run 8: Report of PCC-Expr — Data Link

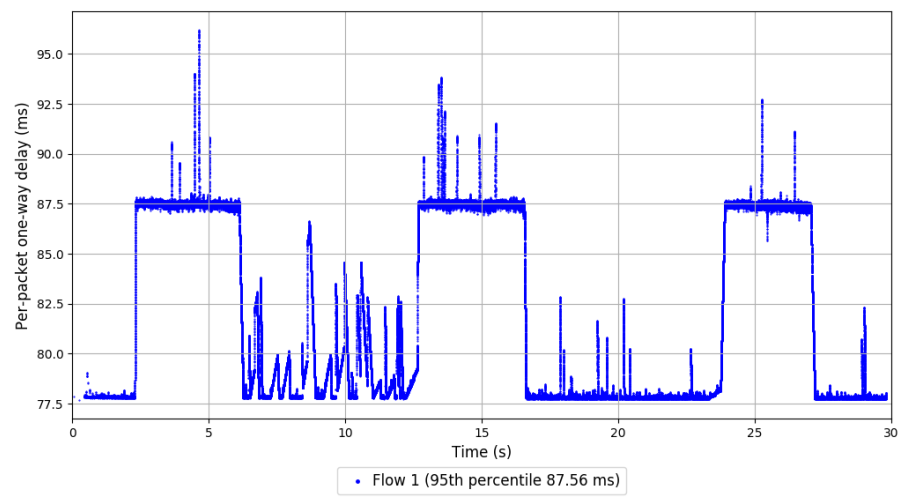
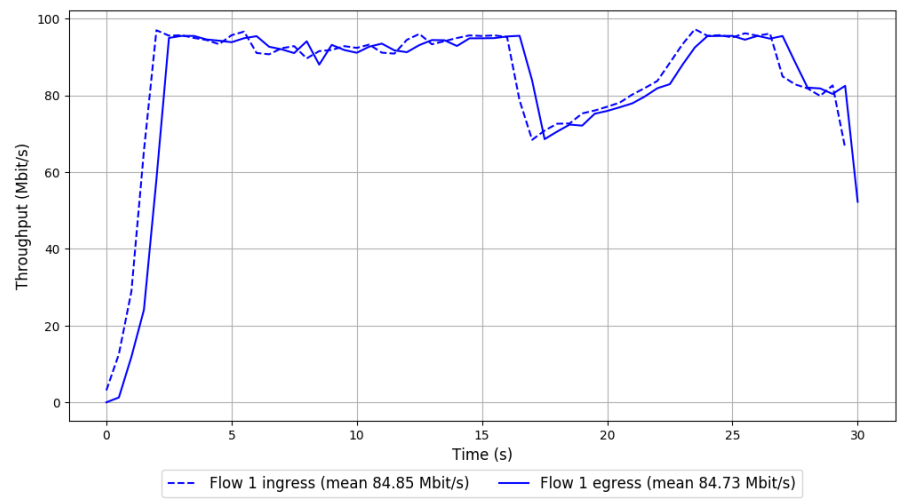


Run 9: Statistics of PCC-Expr

Start at: 2018-07-25 02:33:43
End at: 2018-07-25 02:34:13
Local clock offset: -2.723 ms
Remote clock offset: 11.212 ms

Below is generated by plot.py at 2018-07-25 03:08:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.73 Mbit/s
95th percentile per-packet one-way delay: 87.563 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 84.73 Mbit/s
95th percentile per-packet one-way delay: 87.563 ms
Loss rate: 0.69%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-25 02:53:31

End at: 2018-07-25 02:54:01

Local clock offset: -2.66 ms

Remote clock offset: 6.247 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.56 Mbit/s

95th percentile per-packet one-way delay: 93.456 ms

Loss rate: 0.65%

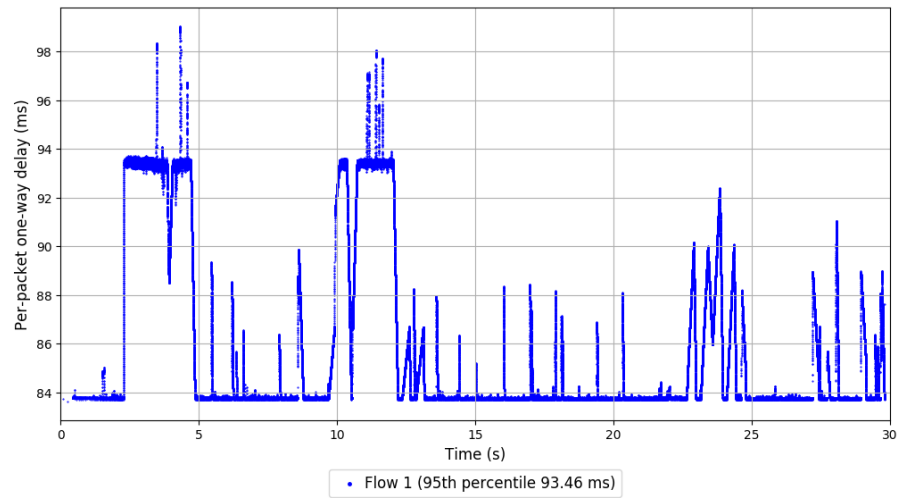
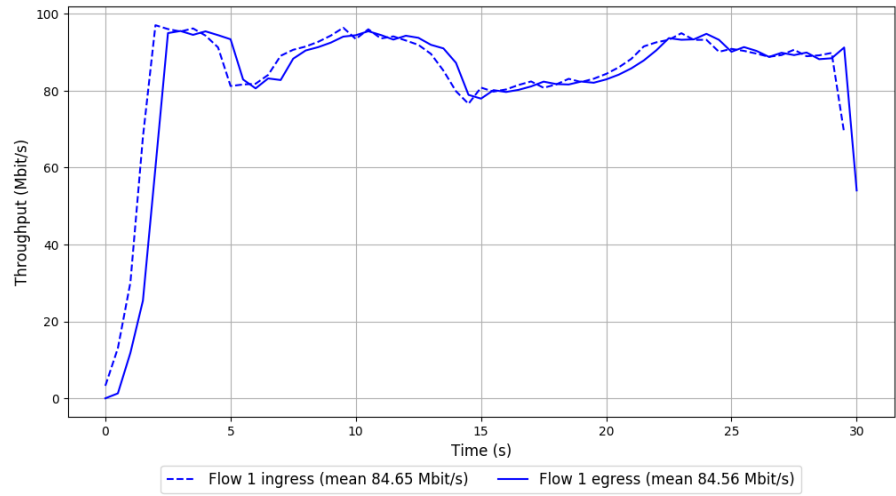
-- Flow 1:

Average throughput: 84.56 Mbit/s

95th percentile per-packet one-way delay: 93.456 ms

Loss rate: 0.65%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-24 23:47:26

End at: 2018-07-24 23:47:56

Local clock offset: -2.866 ms

Remote clock offset: 9.695 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.34 Mbit/s

95th percentile per-packet one-way delay: 81.072 ms

Loss rate: 1.45%

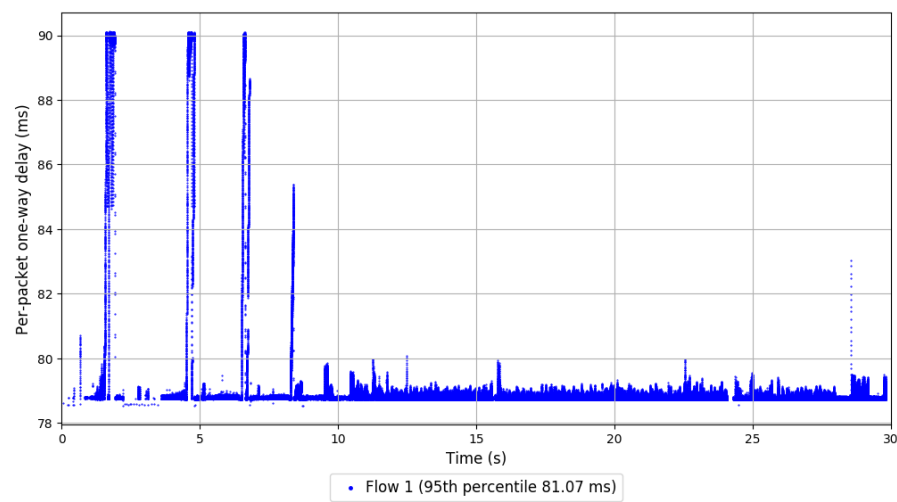
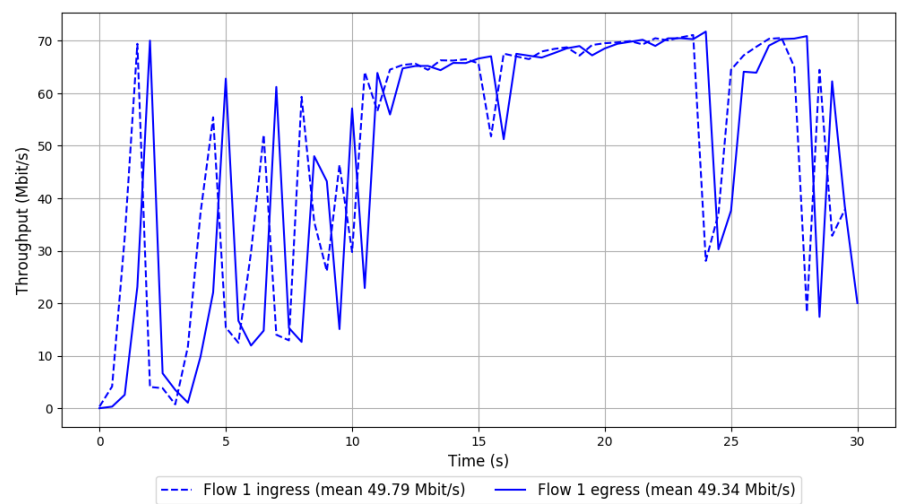
-- Flow 1:

Average throughput: 49.34 Mbit/s

95th percentile per-packet one-way delay: 81.072 ms

Loss rate: 1.45%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

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

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

Local clock offset: -2.958 ms

Remote clock offset: 7.392 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.27 Mbit/s

95th percentile per-packet one-way delay: 88.307 ms

Loss rate: 0.78%

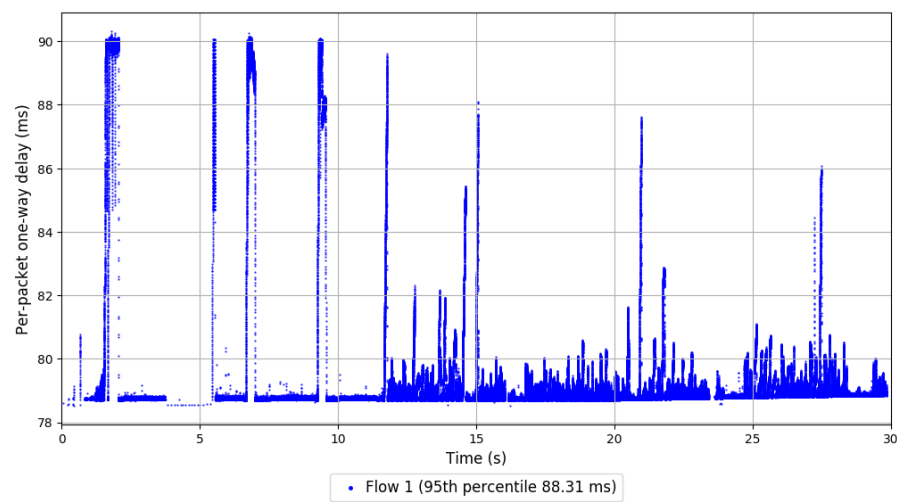
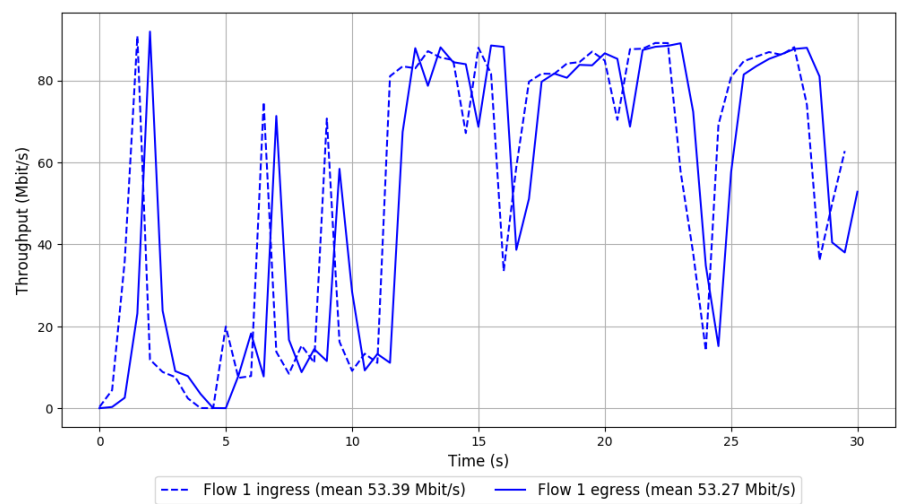
-- Flow 1:

Average throughput: 53.27 Mbit/s

95th percentile per-packet one-way delay: 88.307 ms

Loss rate: 0.78%

Run 2: Report of QUIC Cubic — Data Link

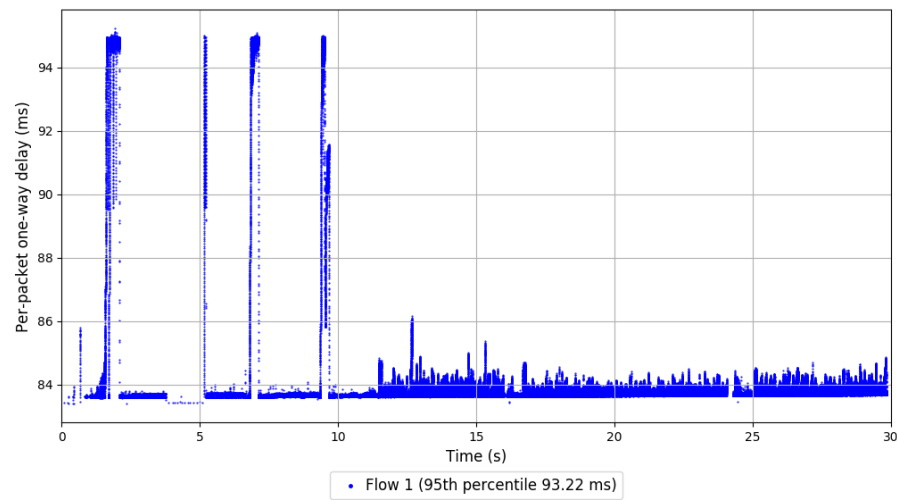
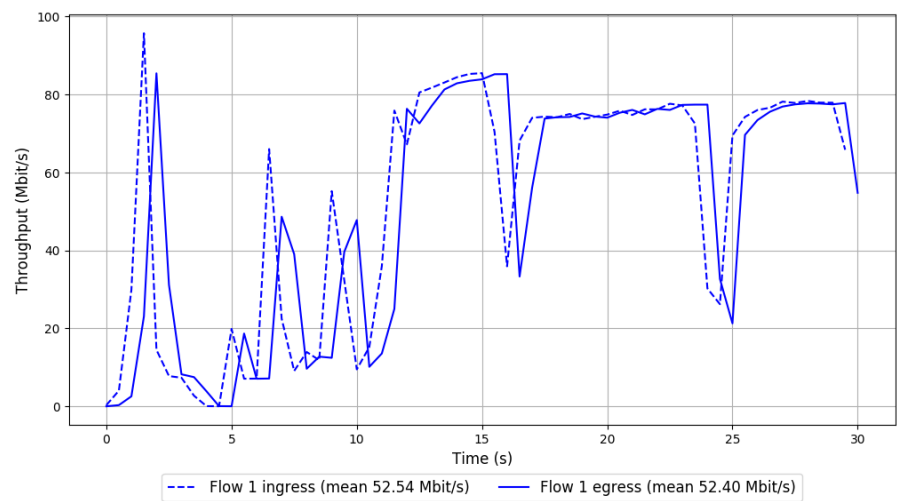


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-25 00:27:01
End at: 2018-07-25 00:27:31
Local clock offset: -3.068 ms
Remote clock offset: 12.552 ms

Below is generated by plot.py at 2018-07-25 03:08:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.40 Mbit/s
95th percentile per-packet one-way delay: 93.217 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 52.40 Mbit/s
95th percentile per-packet one-way delay: 93.217 ms
Loss rate: 0.81%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-25 00:46:52

End at: 2018-07-25 00:47:22

Local clock offset: -2.988 ms

Remote clock offset: 13.084 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.33 Mbit/s

95th percentile per-packet one-way delay: 82.009 ms

Loss rate: 1.38%

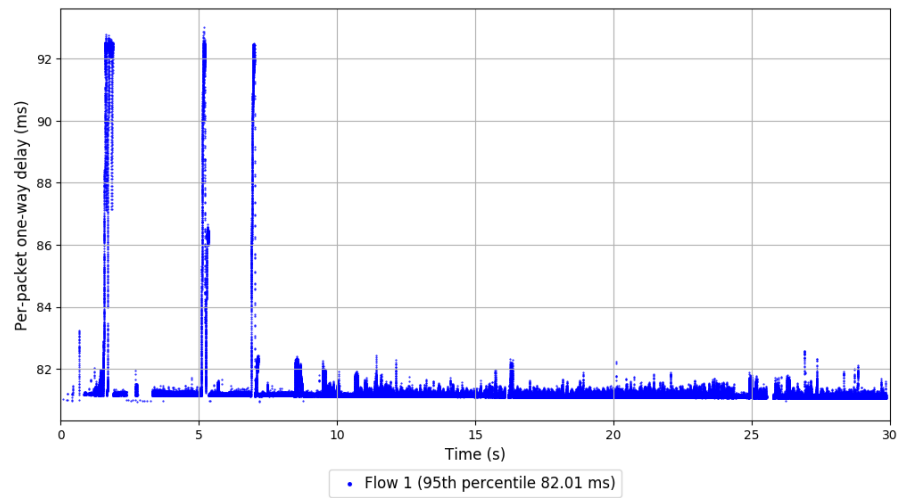
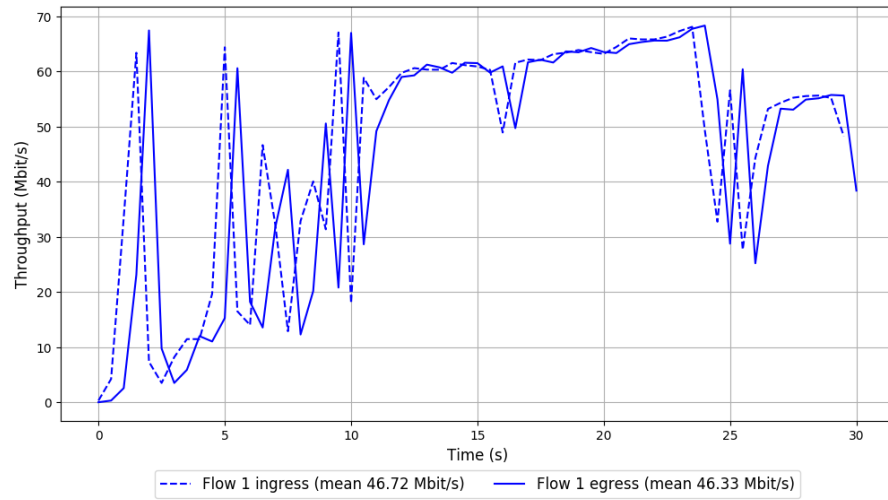
-- Flow 1:

Average throughput: 46.33 Mbit/s

95th percentile per-packet one-way delay: 82.009 ms

Loss rate: 1.38%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-25 01:06:43

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

Local clock offset: -2.895 ms

Remote clock offset: 12.034 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.03 Mbit/s

95th percentile per-packet one-way delay: 88.207 ms

Loss rate: 0.83%

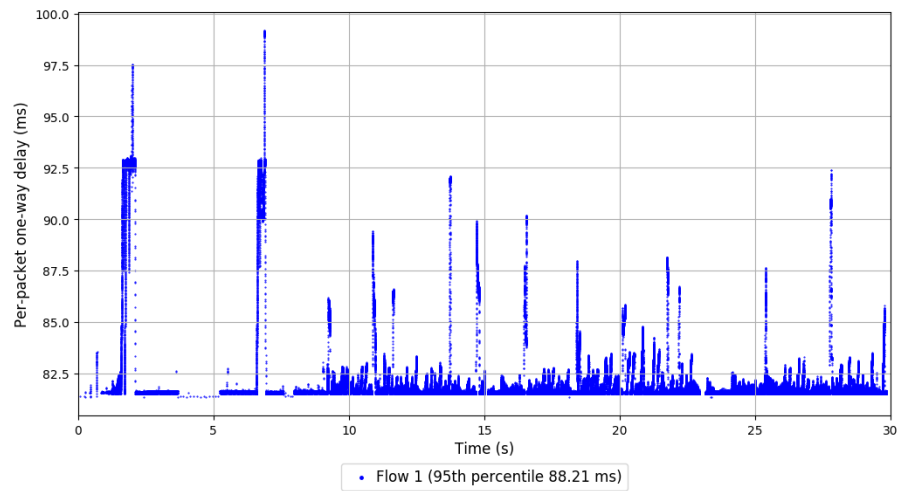
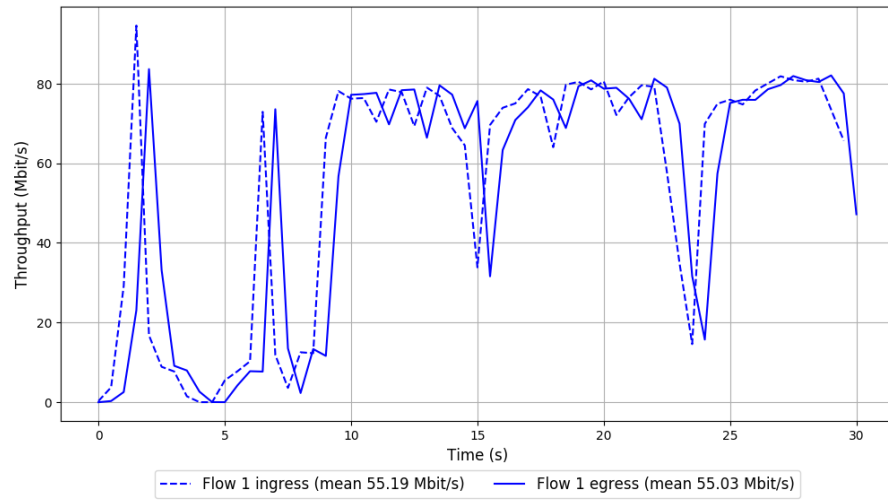
-- Flow 1:

Average throughput: 55.03 Mbit/s

95th percentile per-packet one-way delay: 88.207 ms

Loss rate: 0.83%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-25 01:26:28

End at: 2018-07-25 01:26:58

Local clock offset: -2.755 ms

Remote clock offset: 10.046 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.88 Mbit/s

95th percentile per-packet one-way delay: 90.547 ms

Loss rate: 1.05%

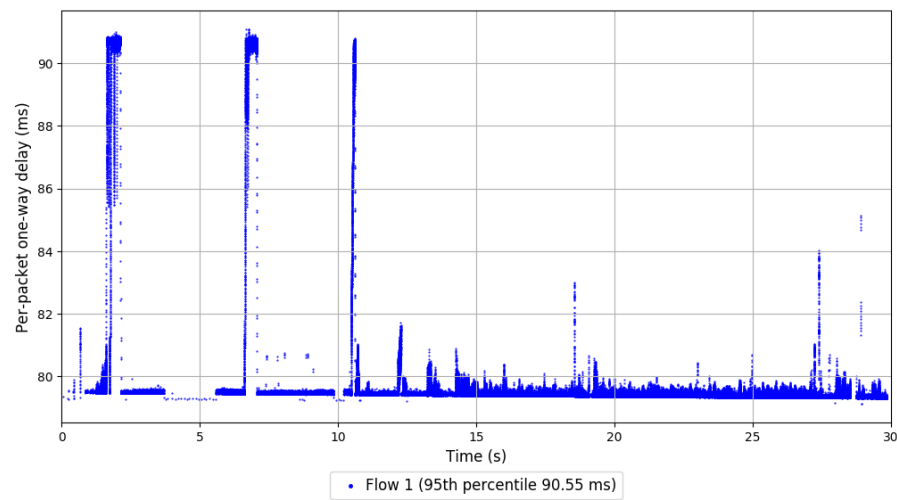
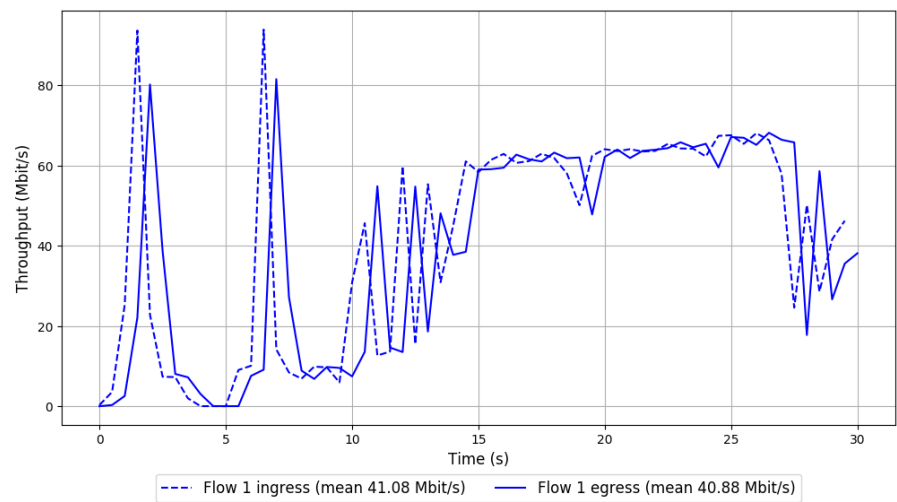
-- Flow 1:

Average throughput: 40.88 Mbit/s

95th percentile per-packet one-way delay: 90.547 ms

Loss rate: 1.05%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-25 01:46:15

End at: 2018-07-25 01:46:45

Local clock offset: -2.876 ms

Remote clock offset: 1.145 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.05 Mbit/s

95th percentile per-packet one-way delay: 84.353 ms

Loss rate: 0.66%

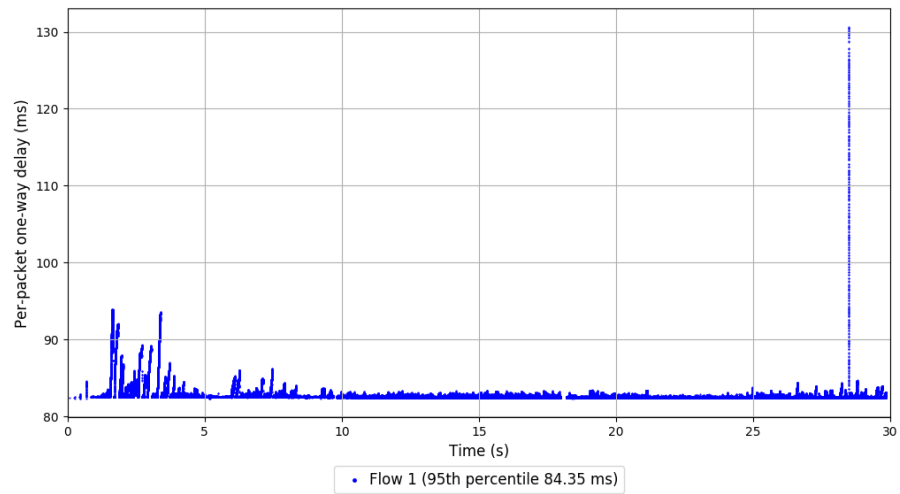
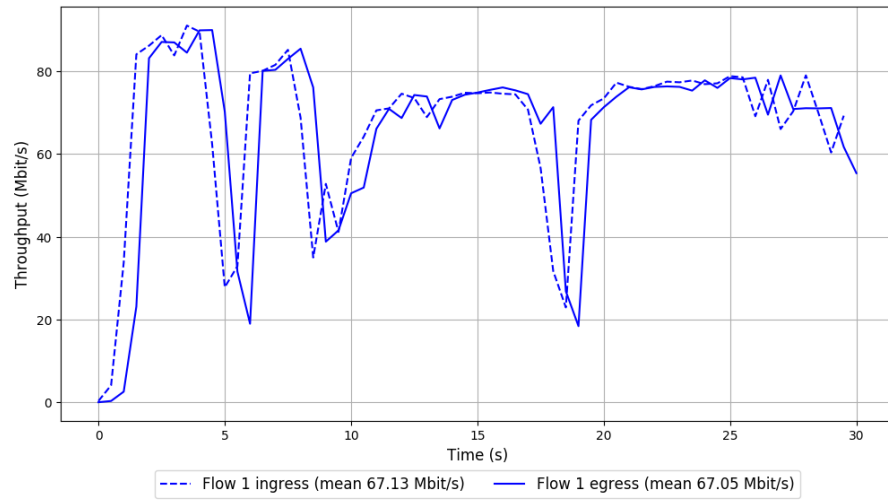
-- Flow 1:

Average throughput: 67.05 Mbit/s

95th percentile per-packet one-way delay: 84.353 ms

Loss rate: 0.66%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-25 02:05:59

End at: 2018-07-25 02:06:29

Local clock offset: -2.867 ms

Remote clock offset: 8.039 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.36 Mbit/s

95th percentile per-packet one-way delay: 87.212 ms

Loss rate: 0.83%

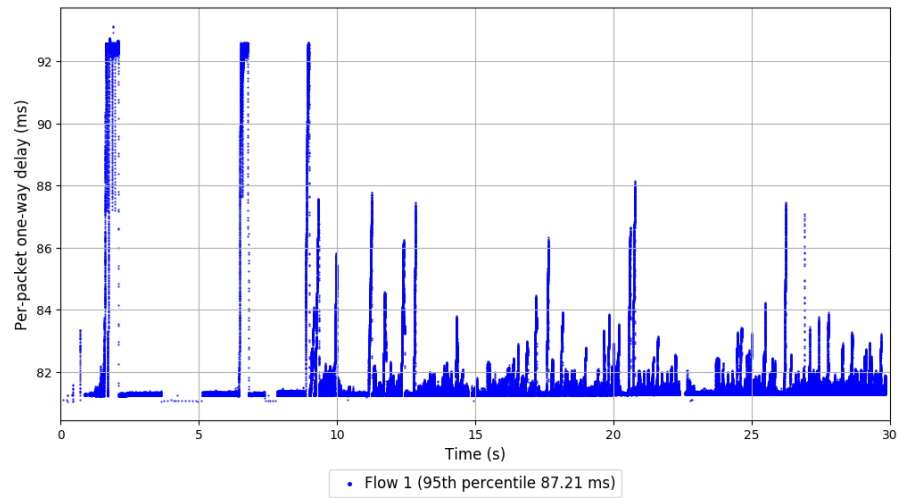
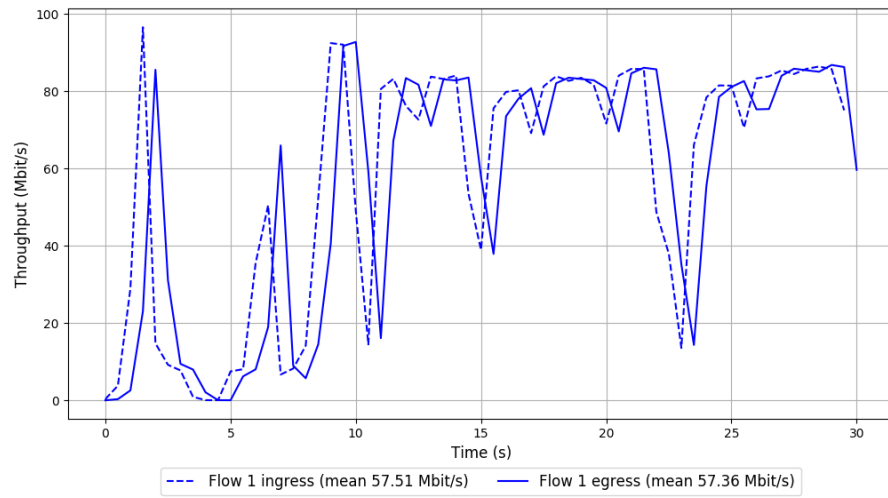
-- Flow 1:

Average throughput: 57.36 Mbit/s

95th percentile per-packet one-way delay: 87.212 ms

Loss rate: 0.83%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-25 02:25:37

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

Local clock offset: -2.713 ms

Remote clock offset: 12.56 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.91 Mbit/s

95th percentile per-packet one-way delay: 90.229 ms

Loss rate: 0.80%

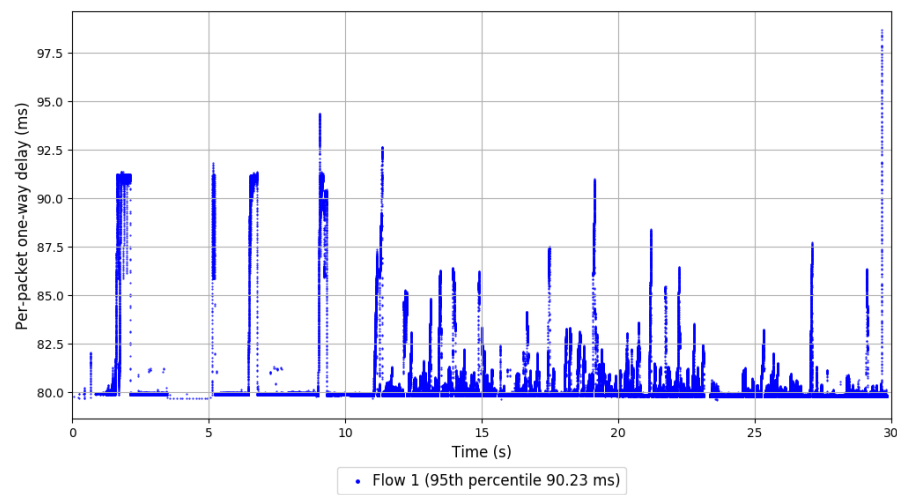
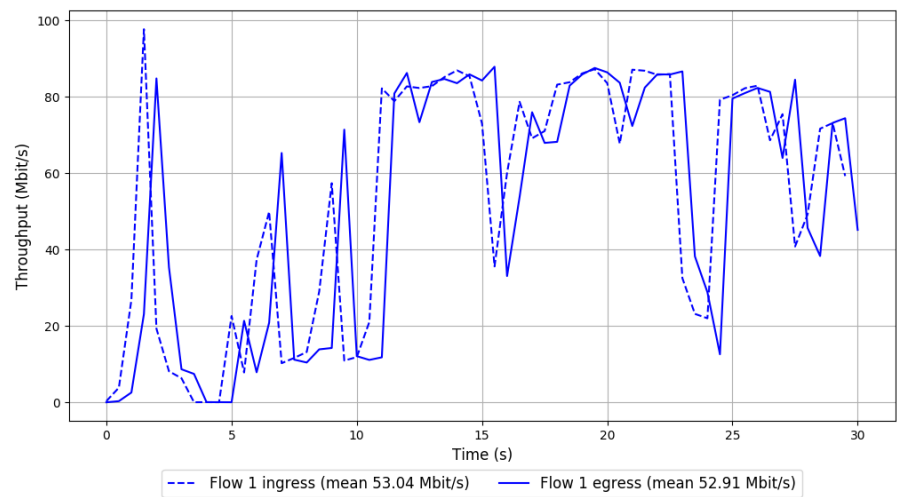
-- Flow 1:

Average throughput: 52.91 Mbit/s

95th percentile per-packet one-way delay: 90.229 ms

Loss rate: 0.80%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-25 02:45:23

End at: 2018-07-25 02:45:53

Local clock offset: -2.623 ms

Remote clock offset: 9.699 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.45 Mbit/s

95th percentile per-packet one-way delay: 91.412 ms

Loss rate: 1.97%

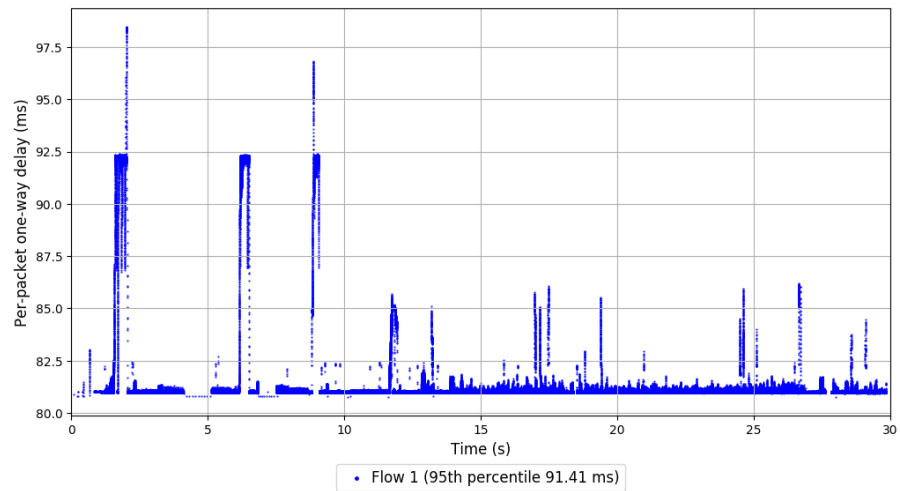
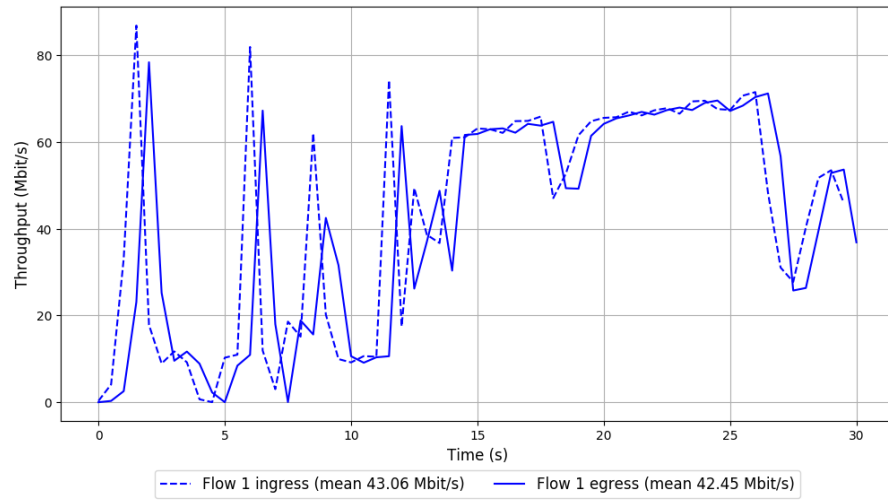
-- Flow 1:

Average throughput: 42.45 Mbit/s

95th percentile per-packet one-way delay: 91.412 ms

Loss rate: 1.97%

Run 10: Report of QUIC Cubic — Data Link

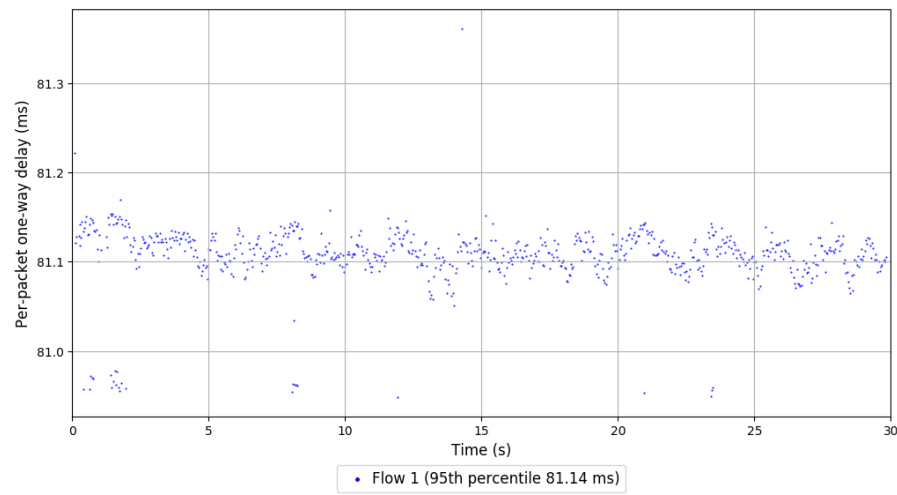
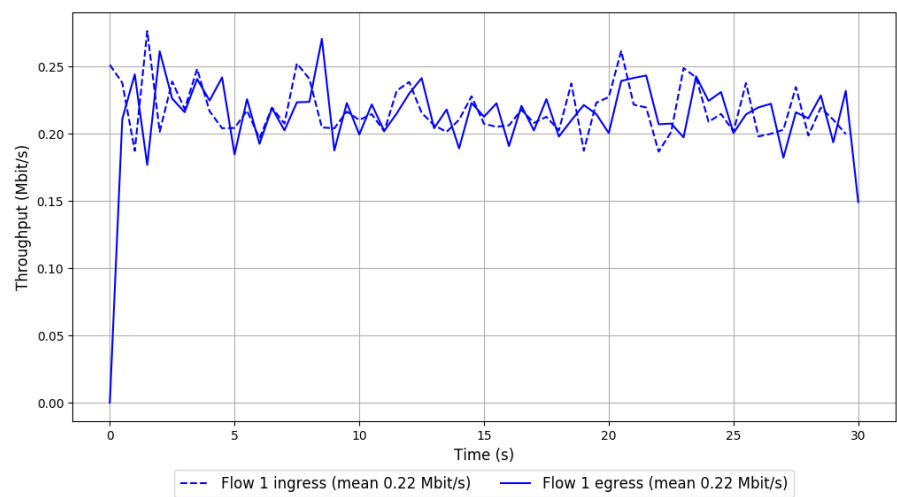


```
Run 1: Statistics of SCReAM

Start at: 2018-07-24 23:48:37
End at: 2018-07-24 23:49:07
Local clock offset: -2.859 ms
Remote clock offset: 4.765 ms

# Below is generated by plot.py at 2018-07-25 03:08:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.142 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.142 ms
Loss rate: 0.64%
```


Run 1: Report of SReAM — Data Link

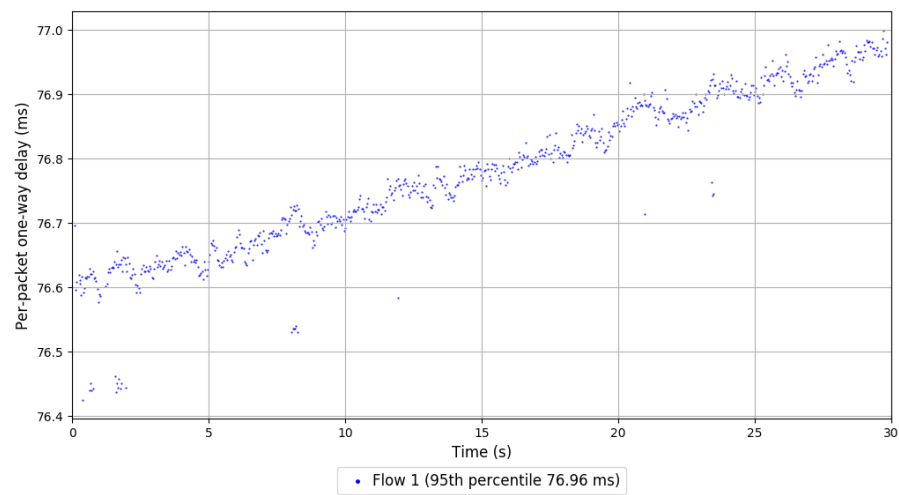
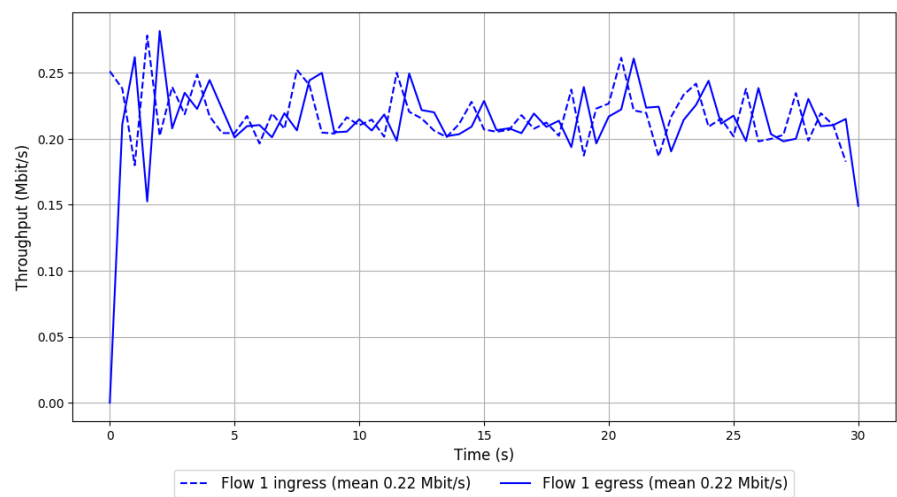


Run 2: Statistics of SCReAM

Start at: 2018-07-25 00:08:26
End at: 2018-07-25 00:08:56
Local clock offset: -3.037 ms
Remote clock offset: 10.177 ms

Below is generated by plot.py at 2018-07-25 03:08:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 76.958 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 76.958 ms
Loss rate: 0.51%

Run 2: Report of SReAM — Data Link

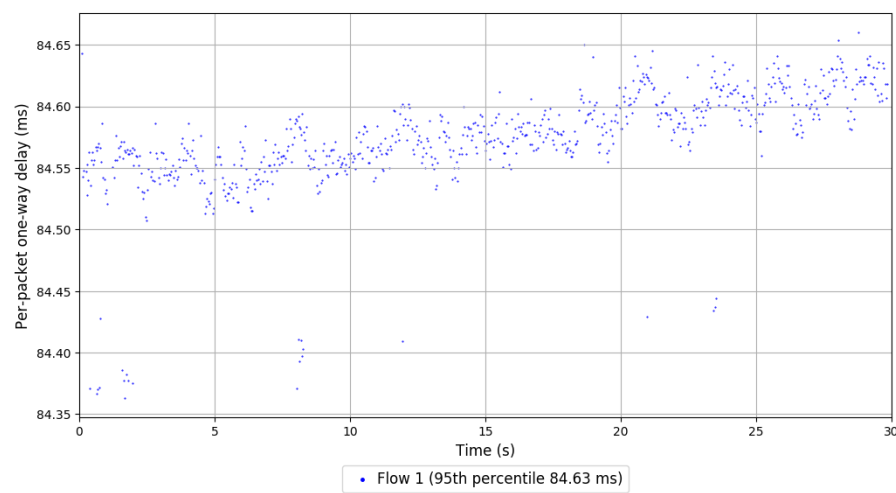
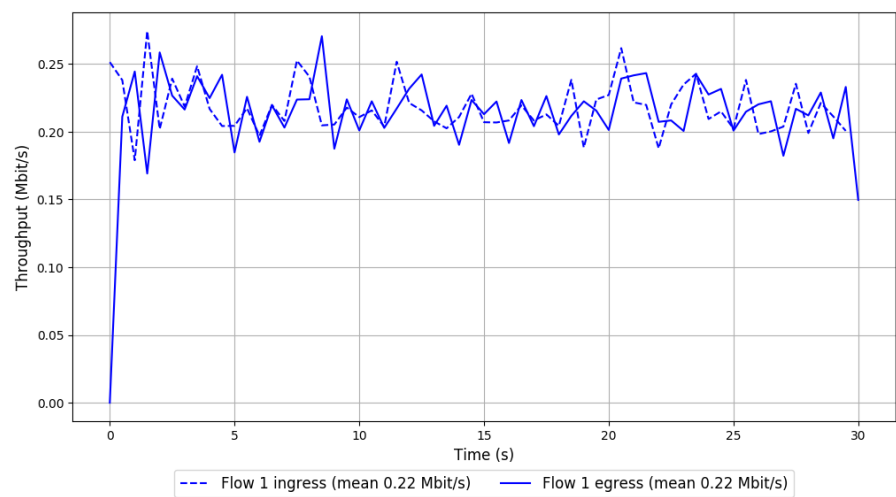


Run 3: Statistics of SCReAM

Start at: 2018-07-25 00:28:11
End at: 2018-07-25 00:28:41
Local clock offset: -3.056 ms
Remote clock offset: 11.588 ms

Below is generated by plot.py at 2018-07-25 03:08:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.629 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.629 ms
Loss rate: 0.64%

Run 3: Report of SReAM — Data Link

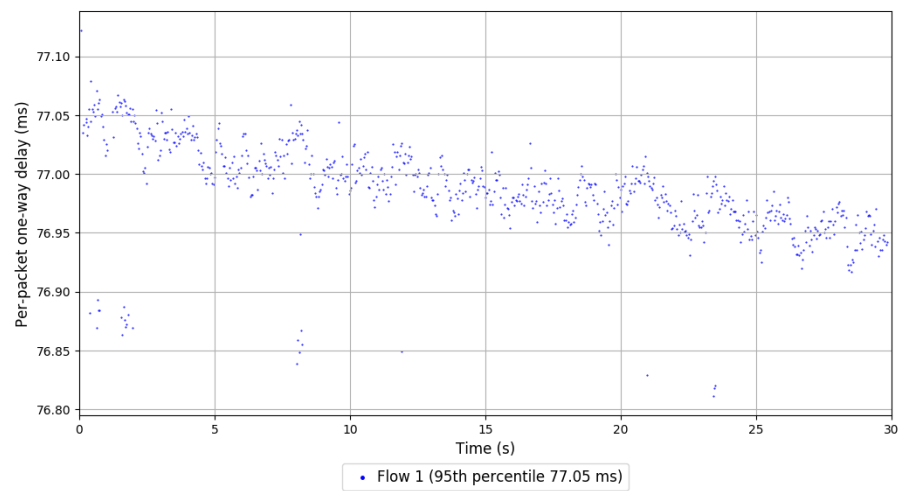
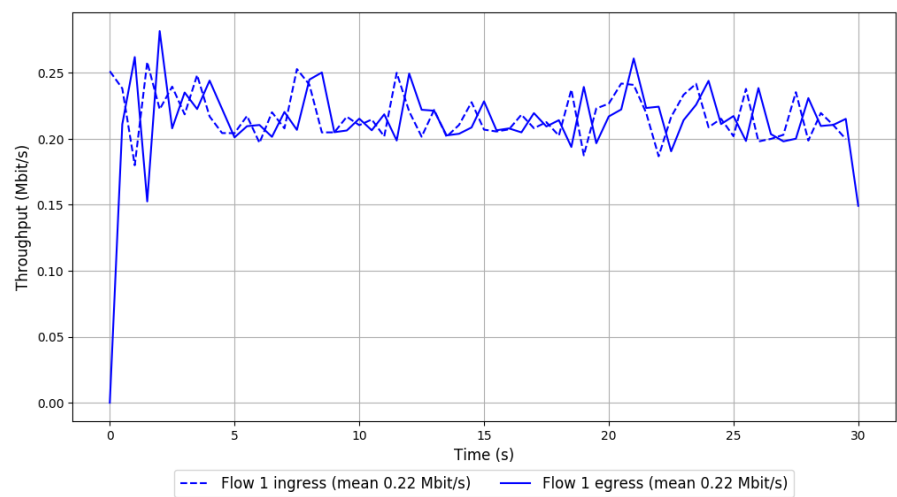


Run 4: Statistics of SCReAM

Start at: 2018-07-25 00:48:02
End at: 2018-07-25 00:48:32
Local clock offset: -2.949 ms
Remote clock offset: 17.724 ms

Below is generated by plot.py at 2018-07-25 03:08:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.045 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.045 ms
Loss rate: 0.64%

Run 4: Report of SReAM — Data Link

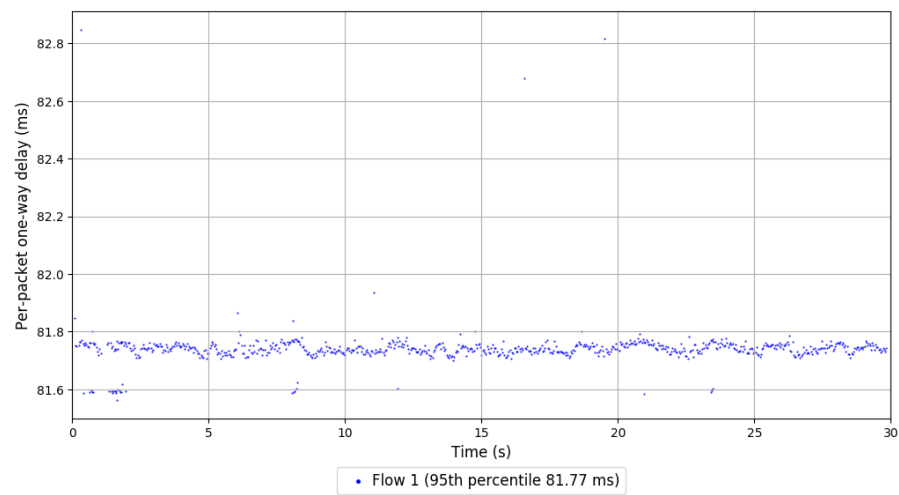
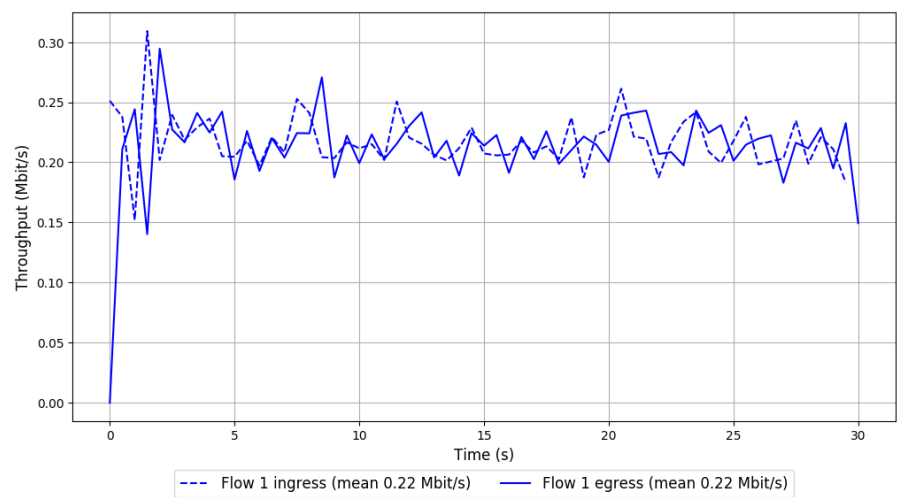


Run 5: Statistics of SCReAM

Start at: 2018-07-25 01:07:53
End at: 2018-07-25 01:08:23
Local clock offset: -2.912 ms
Remote clock offset: 12.085 ms

Below is generated by plot.py at 2018-07-25 03:08:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.770 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.770 ms
Loss rate: 0.51%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-25 01:27:39

End at: 2018-07-25 01:28:09

Local clock offset: -2.827 ms

Remote clock offset: 9.552 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 77.636 ms

Loss rate: 0.64%

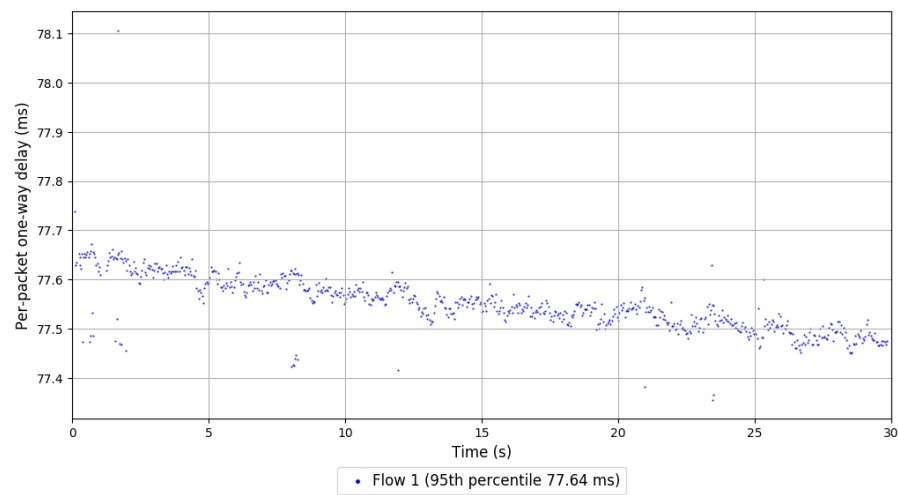
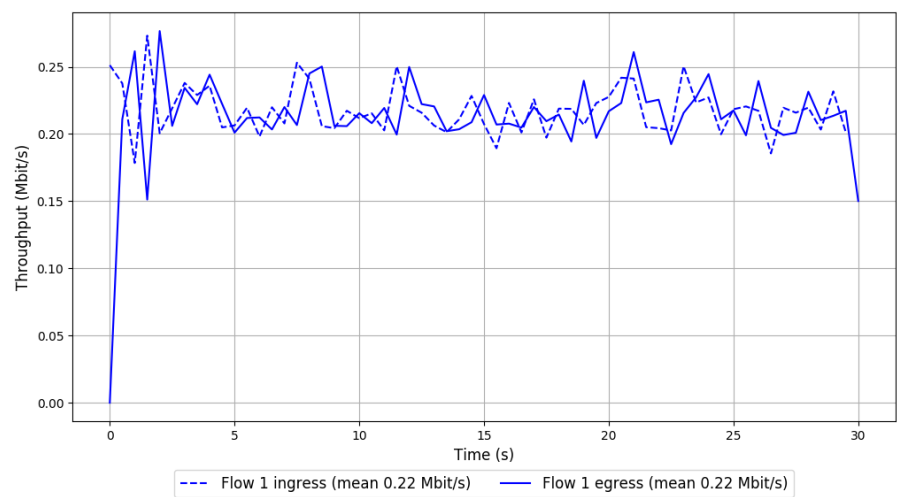
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 77.636 ms

Loss rate: 0.64%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

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

End at: 2018-07-25 01:47:55

Local clock offset: -2.878 ms

Remote clock offset: 4.79 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.655 ms

Loss rate: 0.64%

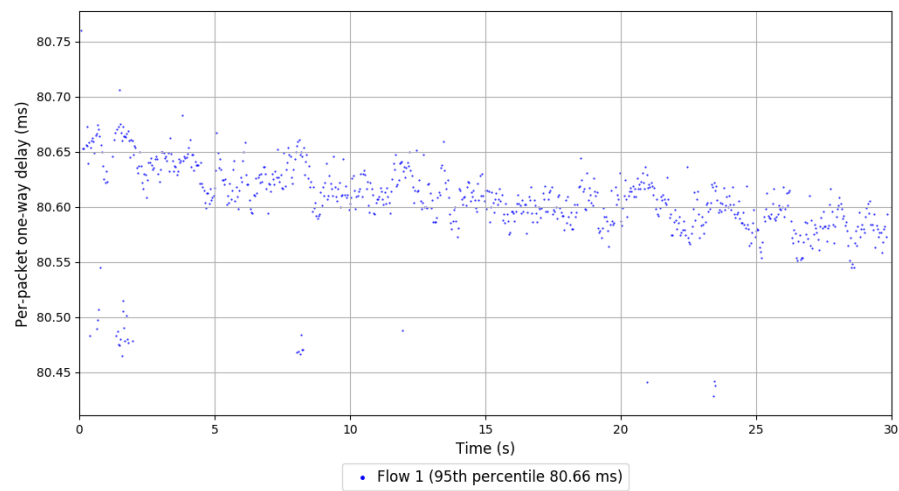
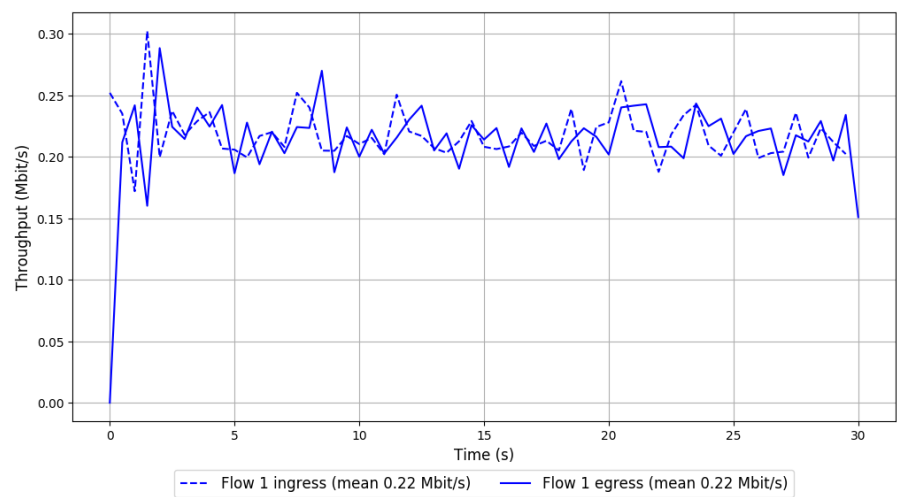
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.655 ms

Loss rate: 0.64%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

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

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

Local clock offset: -2.799 ms

Remote clock offset: 7.214 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.759 ms

Loss rate: 0.51%

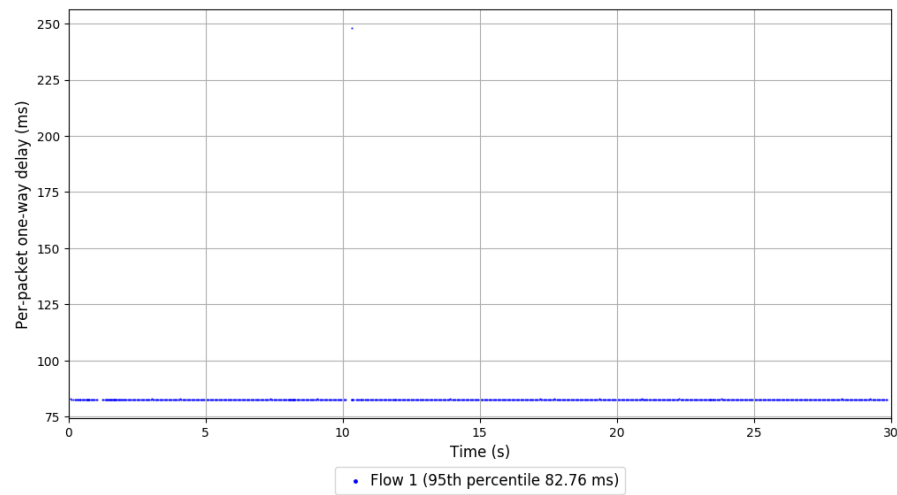
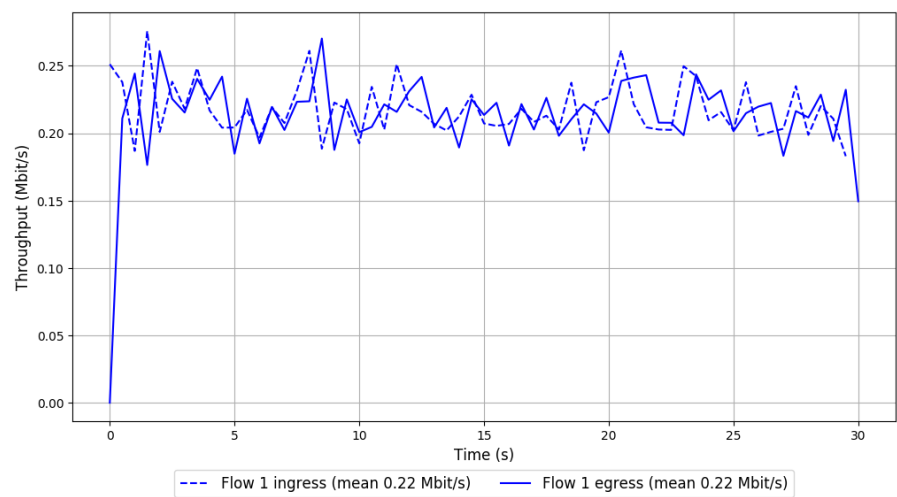
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.759 ms

Loss rate: 0.51%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-25 02:26:46

End at: 2018-07-25 02:27:16

Local clock offset: -2.652 ms

Remote clock offset: 7.532 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.651 ms

Loss rate: 0.64%

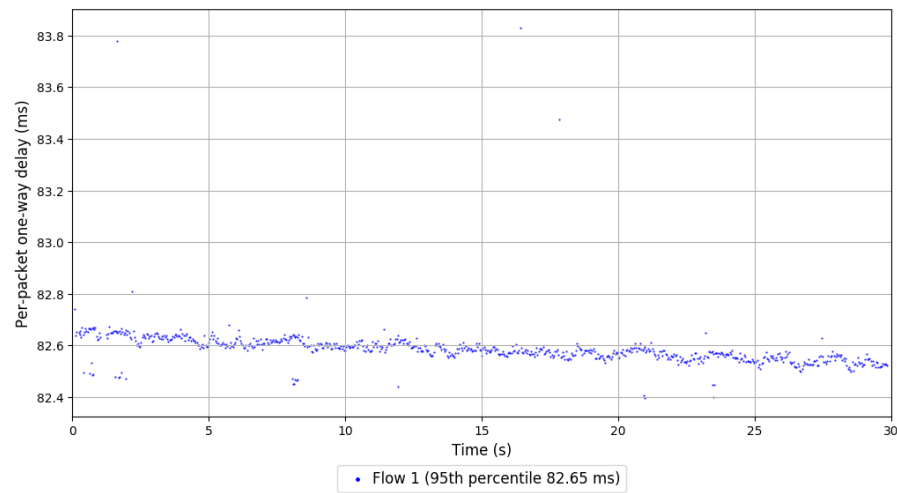
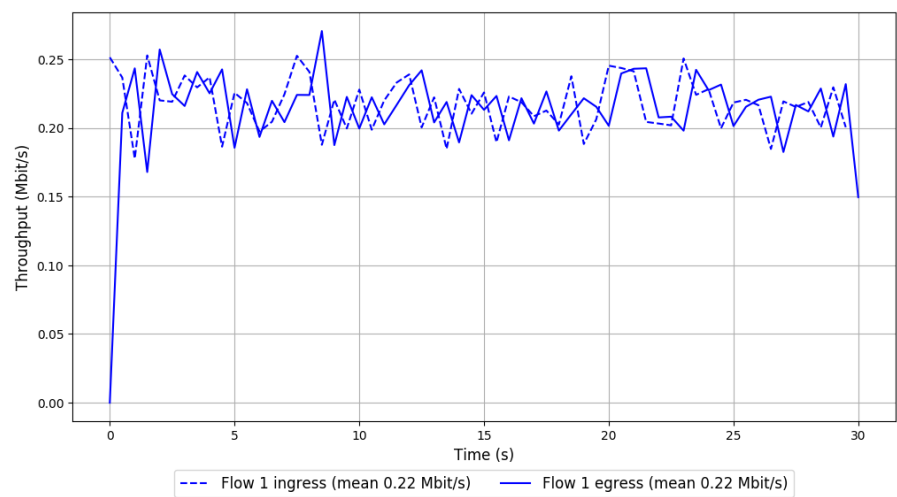
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.651 ms

Loss rate: 0.64%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-25 02:46:33

End at: 2018-07-25 02:47:03

Local clock offset: -2.61 ms

Remote clock offset: 6.624 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.764 ms

Loss rate: 0.64%

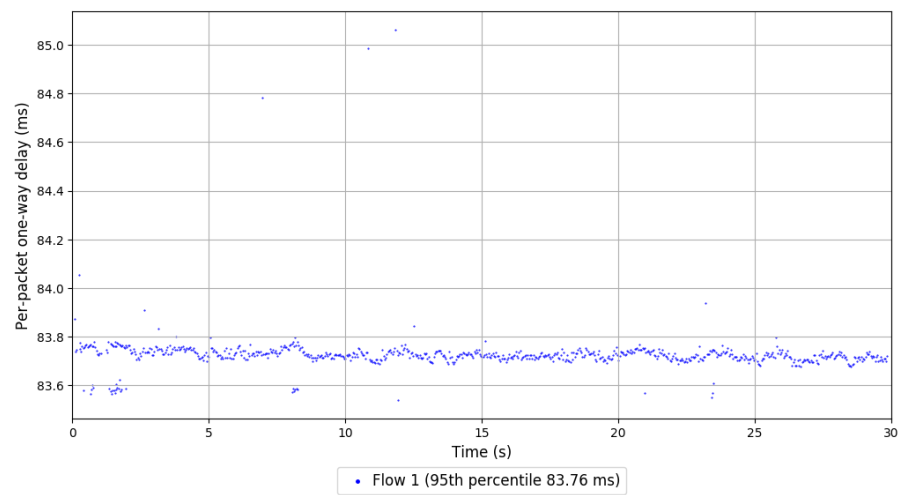
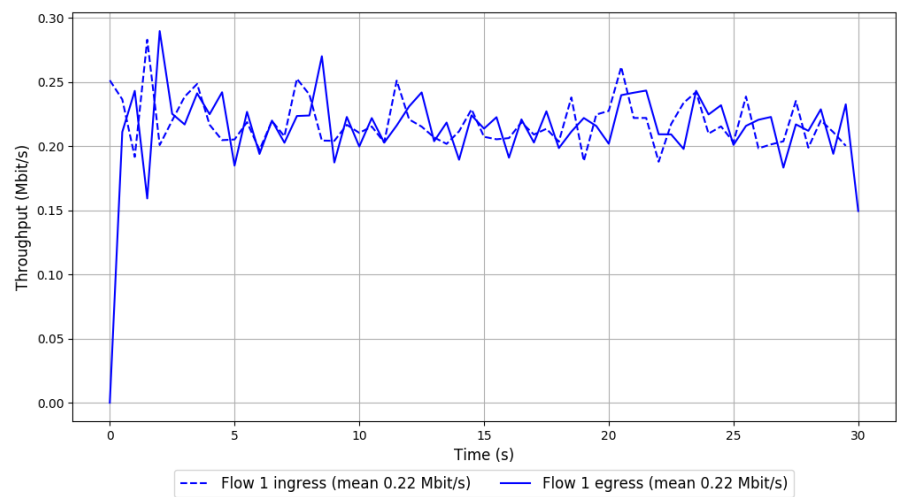
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.764 ms

Loss rate: 0.64%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-24 23:39:20

End at: 2018-07-24 23:39:50

Local clock offset: -2.876 ms

Remote clock offset: 8.169 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 81.573 ms

Loss rate: 0.46%

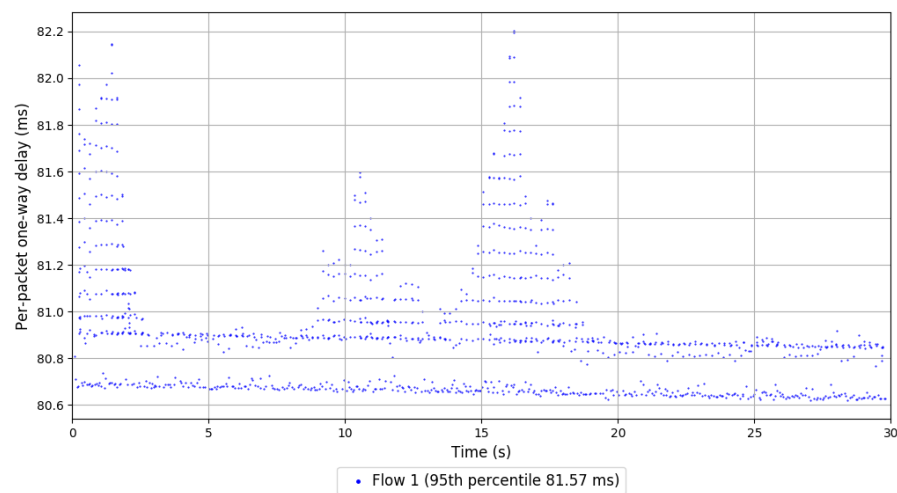
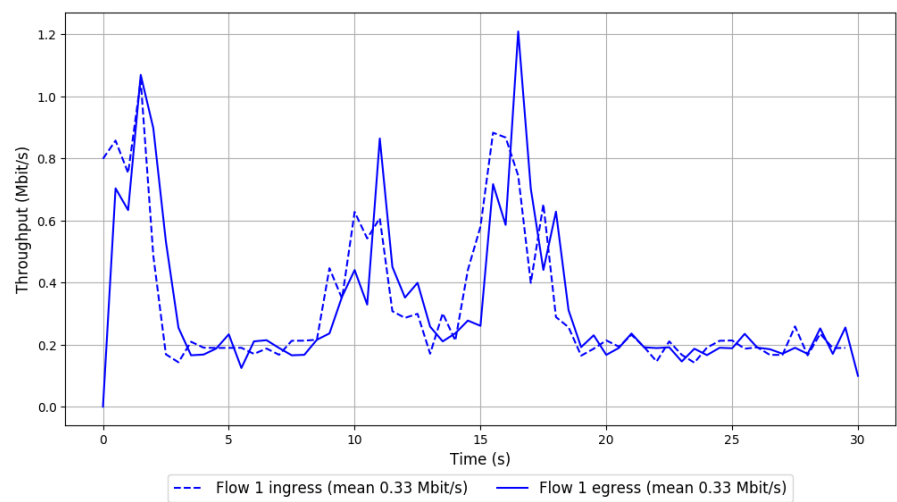
-- Flow 1:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 81.573 ms

Loss rate: 0.46%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-24 23:59:10

End at: 2018-07-24 23:59:40

Local clock offset: -2.893 ms

Remote clock offset: 3.606 ms

Below is generated by plot.py at 2018-07-25 03:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 85.924 ms

Loss rate: 0.10%

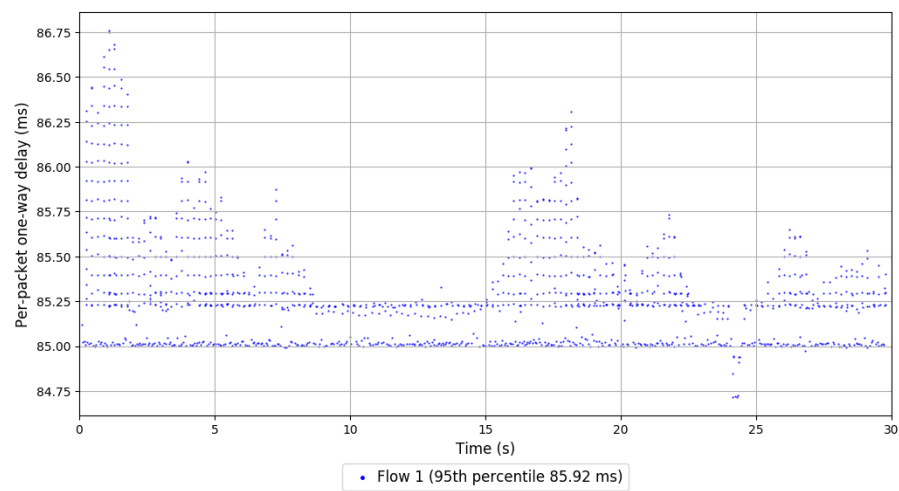
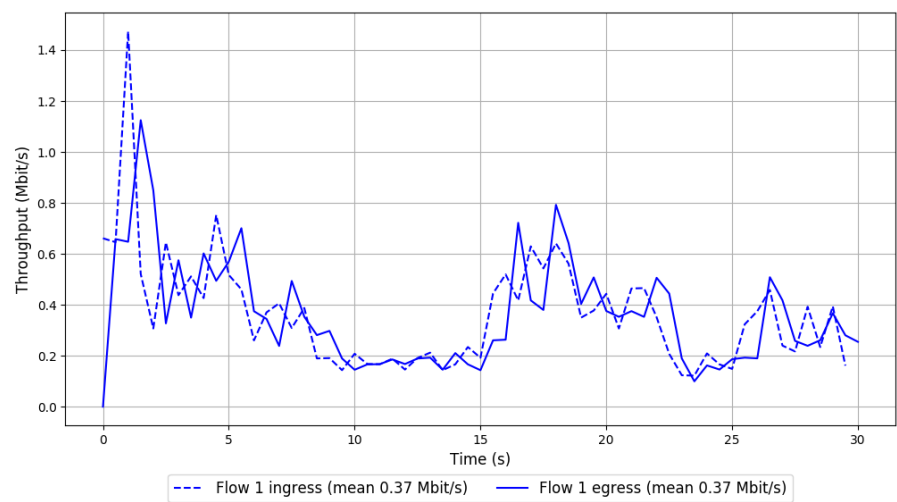
-- Flow 1:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 85.924 ms

Loss rate: 0.10%

Run 2: Report of Sprout — Data Link

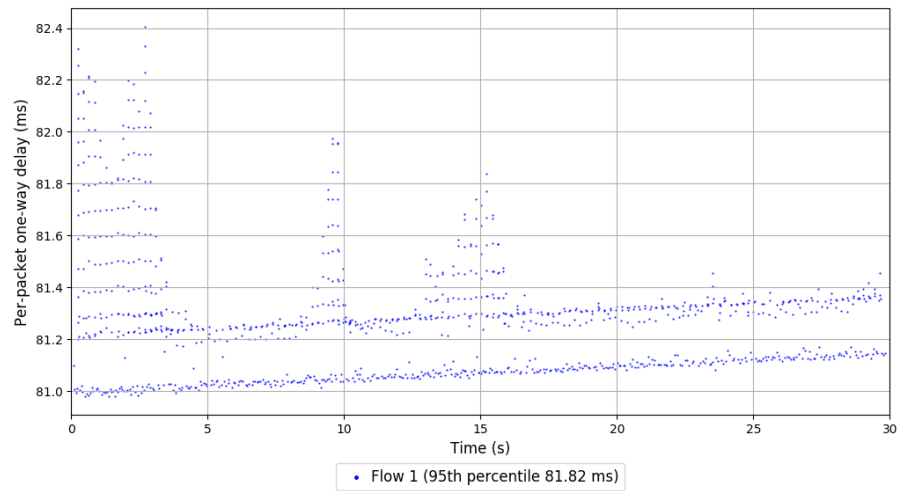
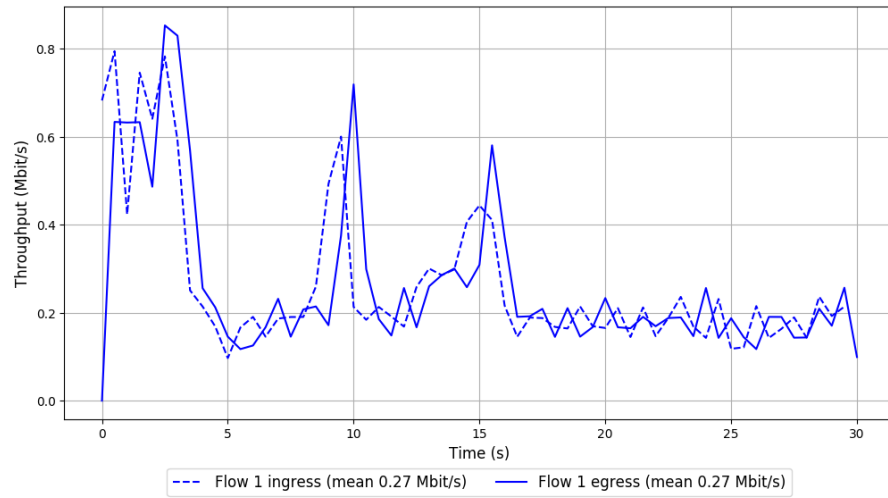


Run 3: Statistics of Sprout

Start at: 2018-07-25 00:18:57
End at: 2018-07-25 00:19:27
Local clock offset: -3.084 ms
Remote clock offset: 13.127 ms

Below is generated by plot.py at 2018-07-25 03:08:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 81.819 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 81.819 ms
Loss rate: 0.73%

Run 3: Report of Sprout — Data Link

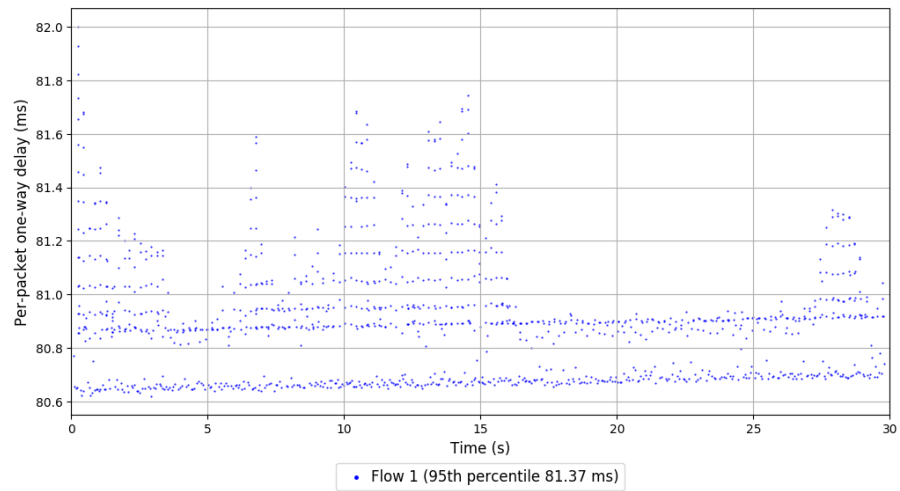
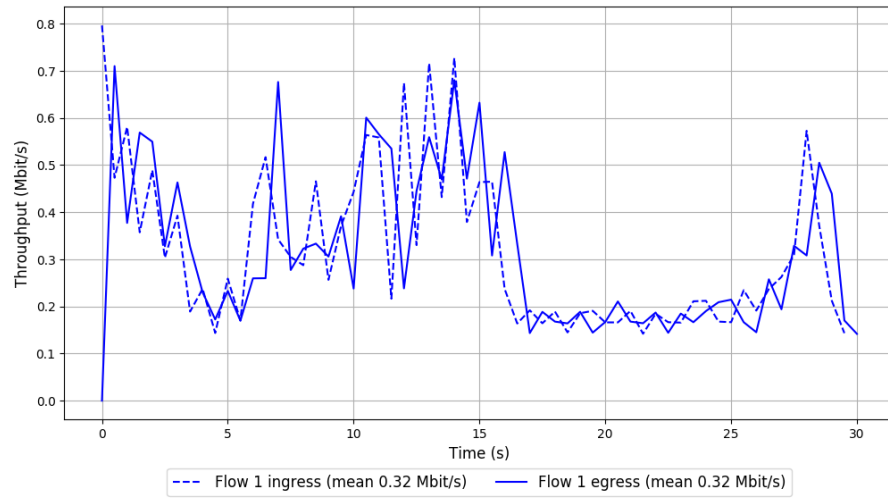


Run 4: Statistics of Sprout

Start at: 2018-07-25 00:38:44
End at: 2018-07-25 00:39:14
Local clock offset: -3.075 ms
Remote clock offset: 16.919 ms

Below is generated by plot.py at 2018-07-25 03:08:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 81.372 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 81.372 ms
Loss rate: 0.24%

Run 4: Report of Sprout — Data Link

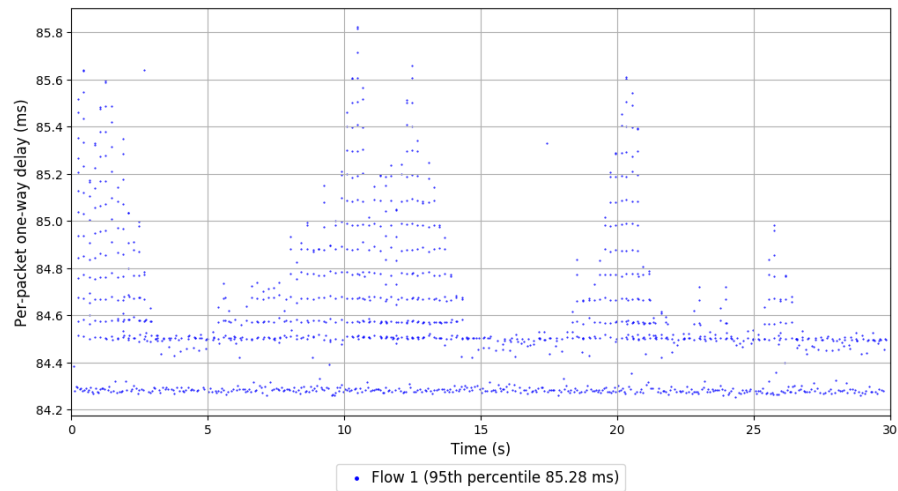
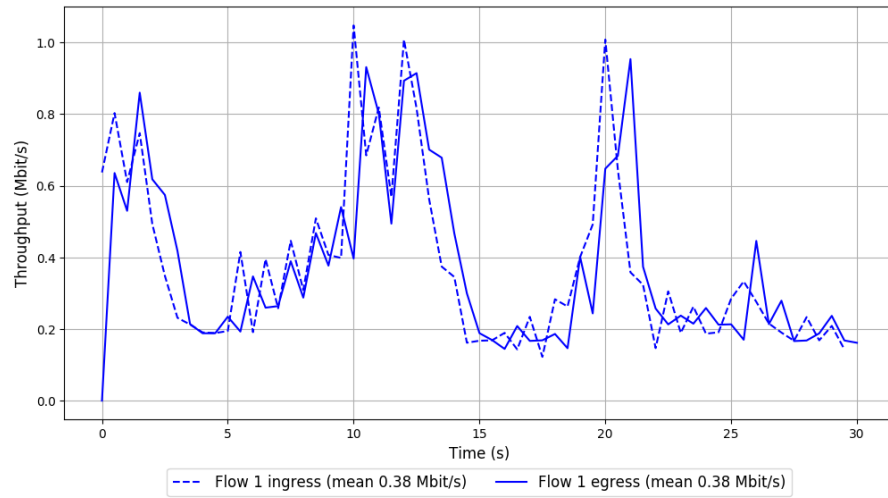


Run 5: Statistics of Sprout

Start at: 2018-07-25 00:58:35
End at: 2018-07-25 00:59:05
Local clock offset: -2.96 ms
Remote clock offset: 11.144 ms

Below is generated by plot.py at 2018-07-25 03:08:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 85.278 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 85.278 ms
Loss rate: 0.11%

Run 5: Report of Sprout — Data Link

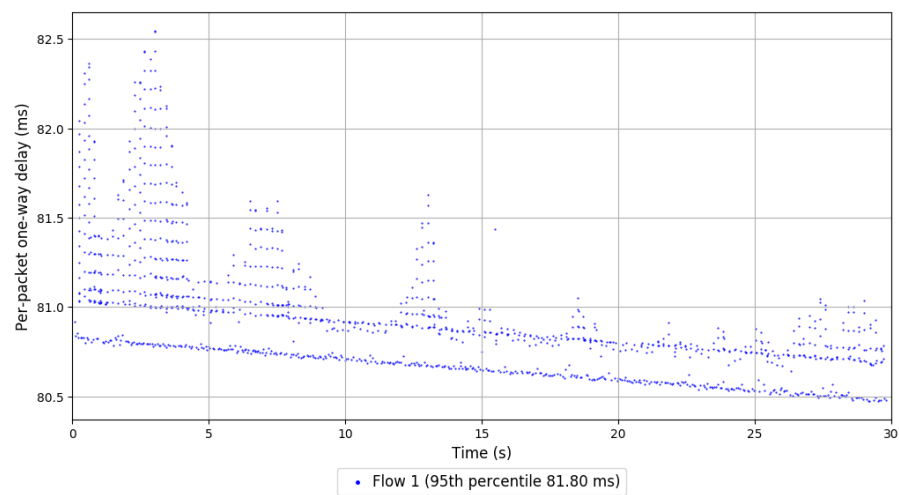
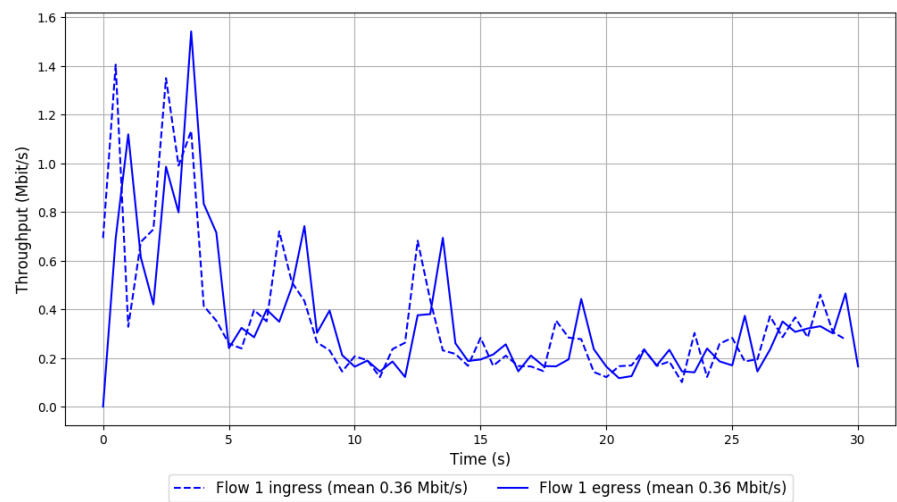


Run 6: Statistics of Sprout

Start at: 2018-07-25 01:18:25
End at: 2018-07-25 01:18:55
Local clock offset: -2.85 ms
Remote clock offset: 10.287 ms

Below is generated by plot.py at 2018-07-25 03:08:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 81.795 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 81.795 ms
Loss rate: 0.53%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-07-25 01:38:11

End at: 2018-07-25 01:38:41

Local clock offset: -2.837 ms

Remote clock offset: 5.172 ms

Below is generated by plot.py at 2018-07-25 03:08:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 80.348 ms

Loss rate: 0.27%

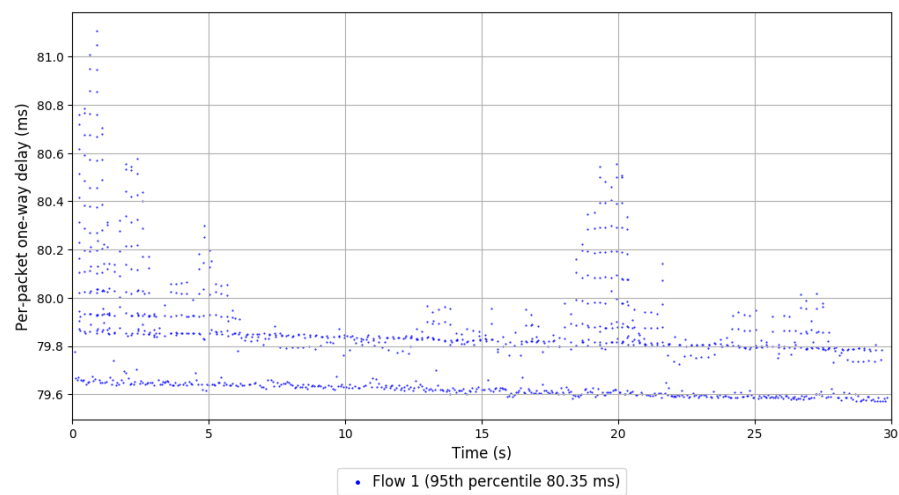
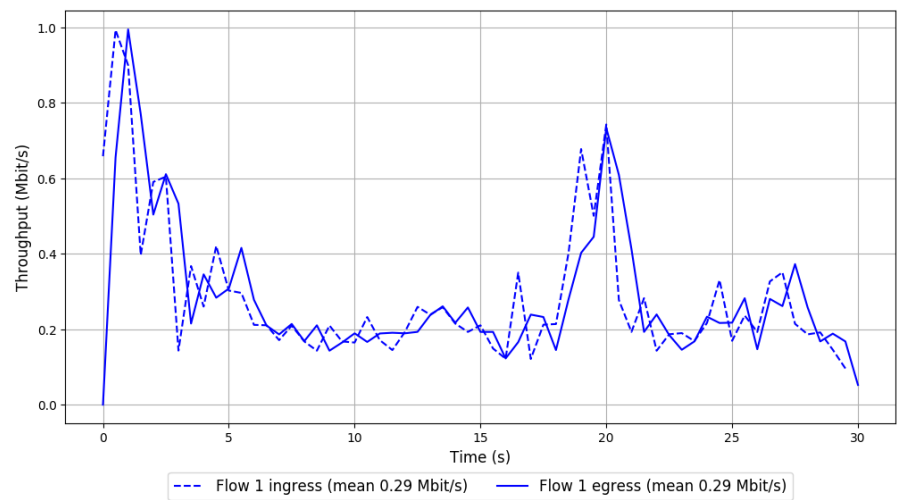
-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 80.348 ms

Loss rate: 0.27%

Run 7: Report of Sprout — Data Link

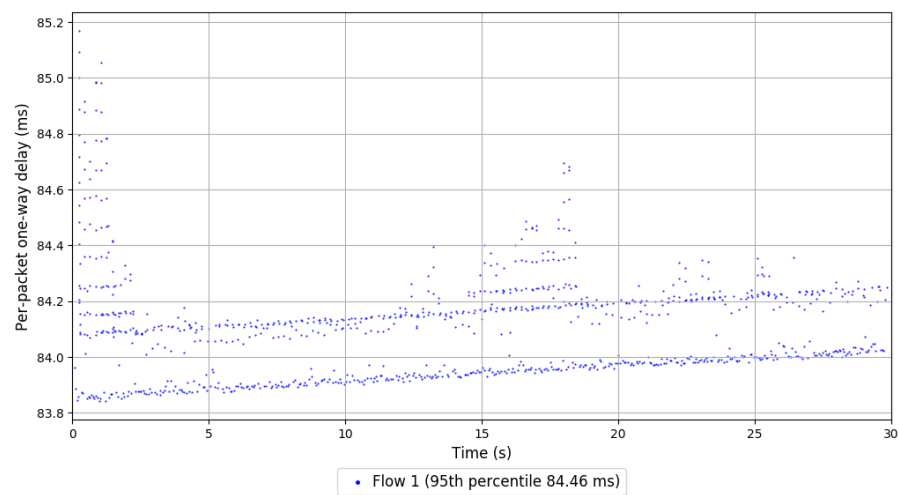
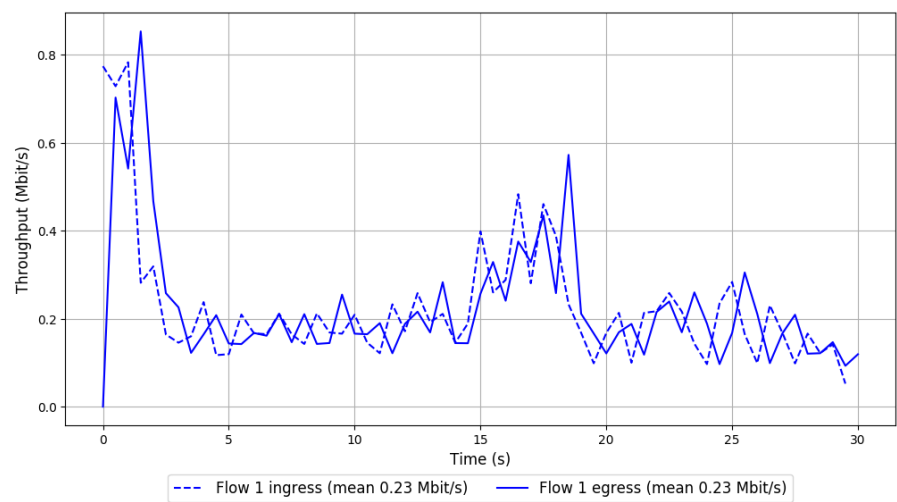


Run 8: Statistics of Sprout

Start at: 2018-07-25 01:57:54
End at: 2018-07-25 01:58:24
Local clock offset: -2.977 ms
Remote clock offset: 6.286 ms

Below is generated by plot.py at 2018-07-25 03:08:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 84.457 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 84.457 ms
Loss rate: 0.03%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-25 02:17:33

End at: 2018-07-25 02:18:03

Local clock offset: -2.676 ms

Remote clock offset: 7.997 ms

Below is generated by plot.py at 2018-07-25 03:08:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 85.711 ms

Loss rate: 0.33%

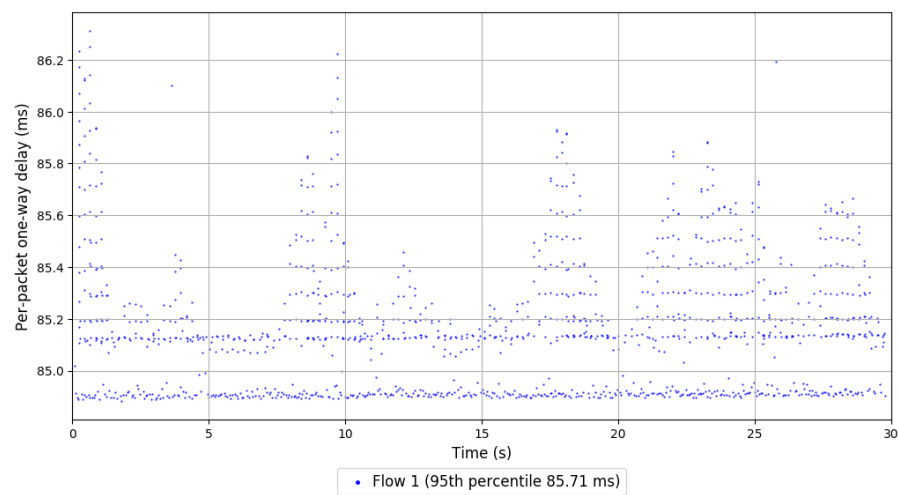
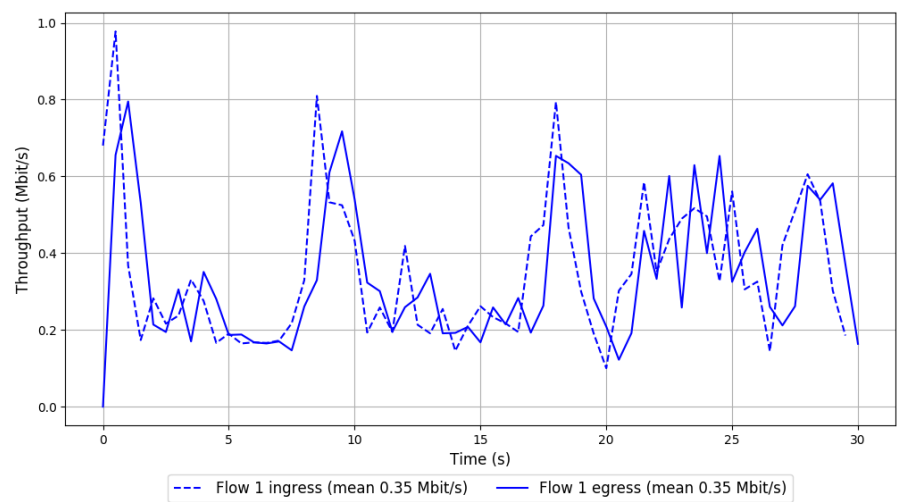
-- Flow 1:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 85.711 ms

Loss rate: 0.33%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-25 02:37:19

End at: 2018-07-25 02:37:49

Local clock offset: -2.624 ms

Remote clock offset: 7.201 ms

Below is generated by plot.py at 2018-07-25 03:08:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 82.964 ms

Loss rate: 0.13%

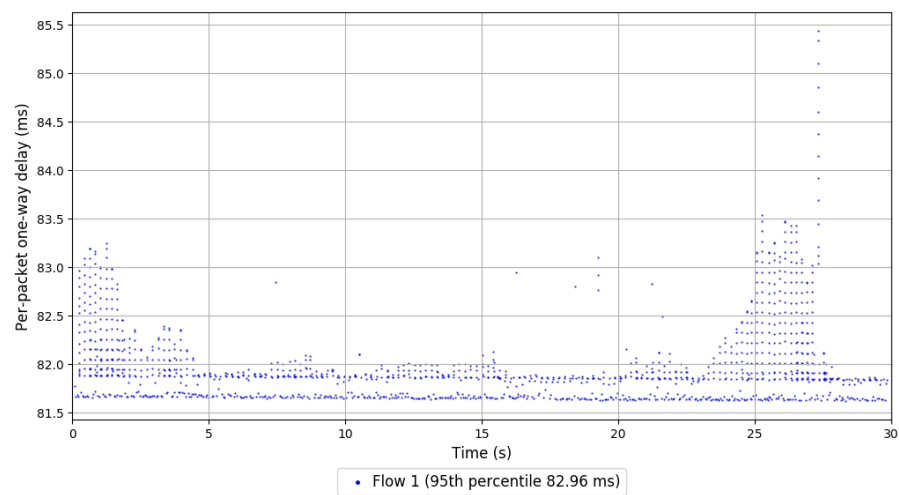
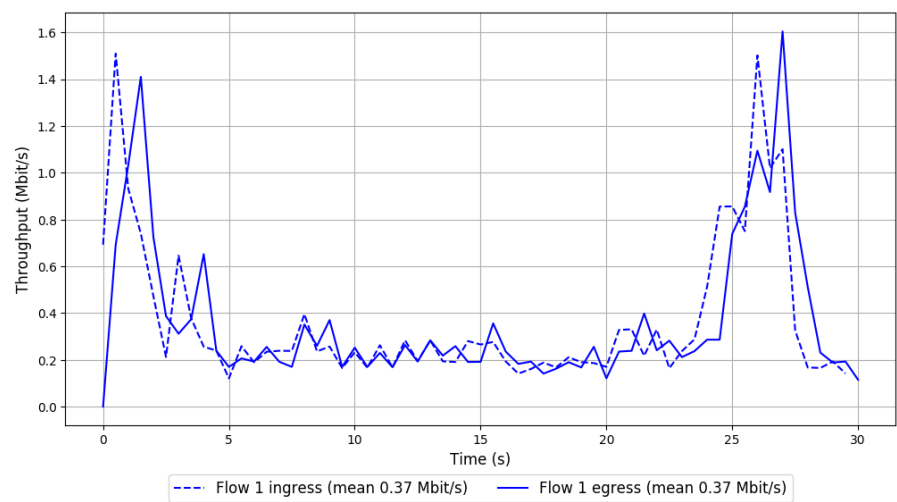
-- Flow 1:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 82.964 ms

Loss rate: 0.13%

Run 10: Report of Sprout — Data Link

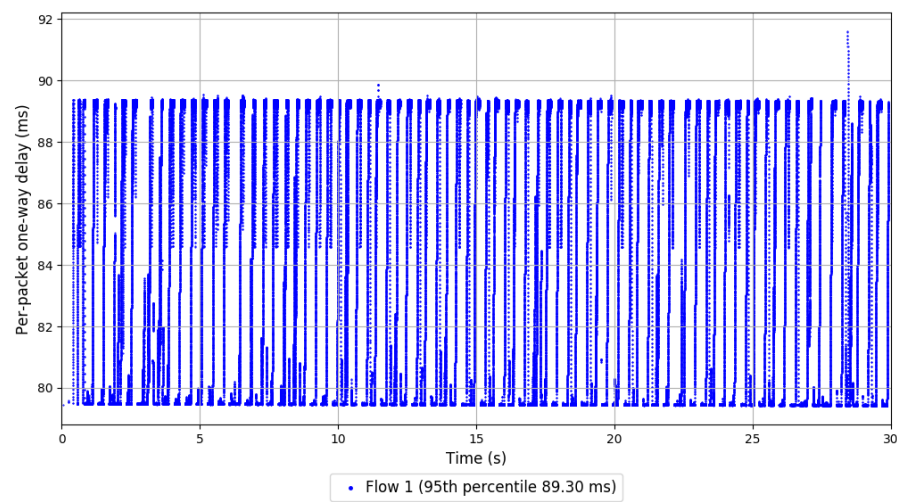
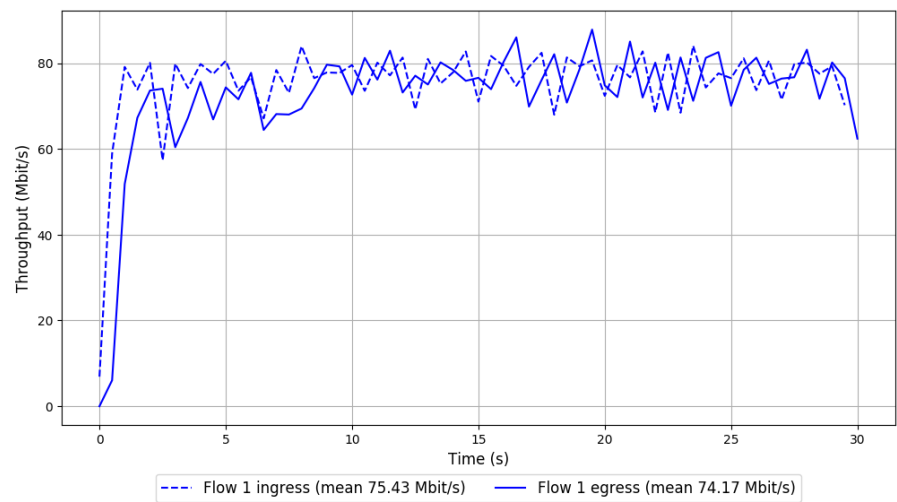


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-24 23:40:26
End at: 2018-07-24 23:40:56
Local clock offset: -2.895 ms
Remote clock offset: 7.856 ms

# Below is generated by plot.py at 2018-07-25 03:09:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.17 Mbit/s
95th percentile per-packet one-way delay: 89.302 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 74.17 Mbit/s
95th percentile per-packet one-way delay: 89.302 ms
Loss rate: 2.20%
```


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



Run 2: Statistics of TaoVA-100x

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

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

Local clock offset: -2.89 ms

Remote clock offset: 3.676 ms

Below is generated by plot.py at 2018-07-25 03:09:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 94.707 ms

Loss rate: 0.59%

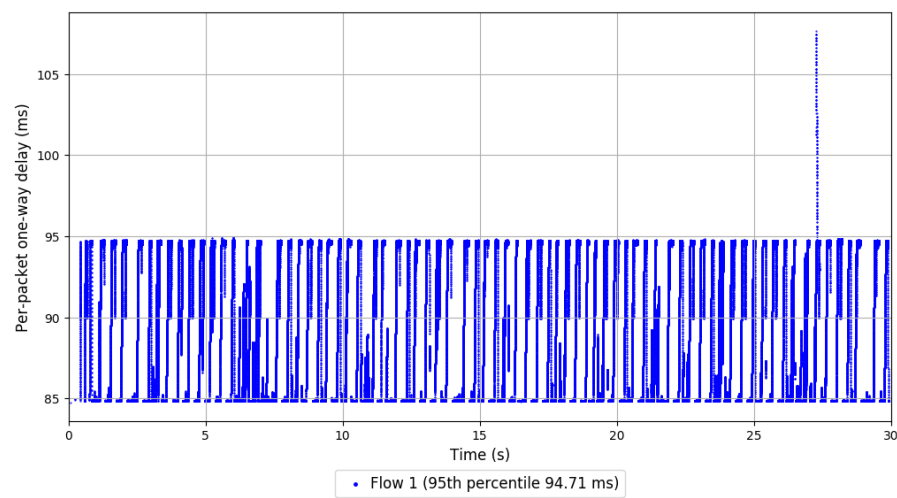
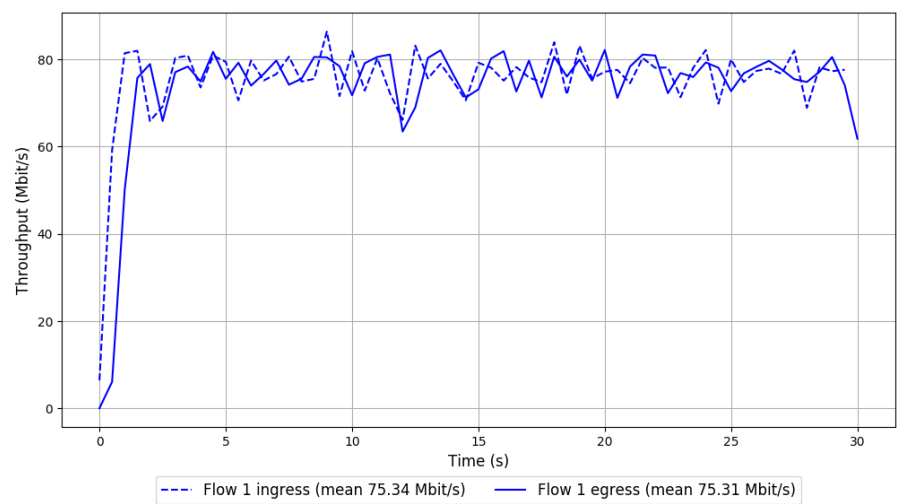
-- Flow 1:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 94.707 ms

Loss rate: 0.59%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-25 00:20:04

End at: 2018-07-25 00:20:34

Local clock offset: -3.063 ms

Remote clock offset: 14.671 ms

Below is generated by plot.py at 2018-07-25 03:09:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.66 Mbit/s

95th percentile per-packet one-way delay: 90.047 ms

Loss rate: 0.57%

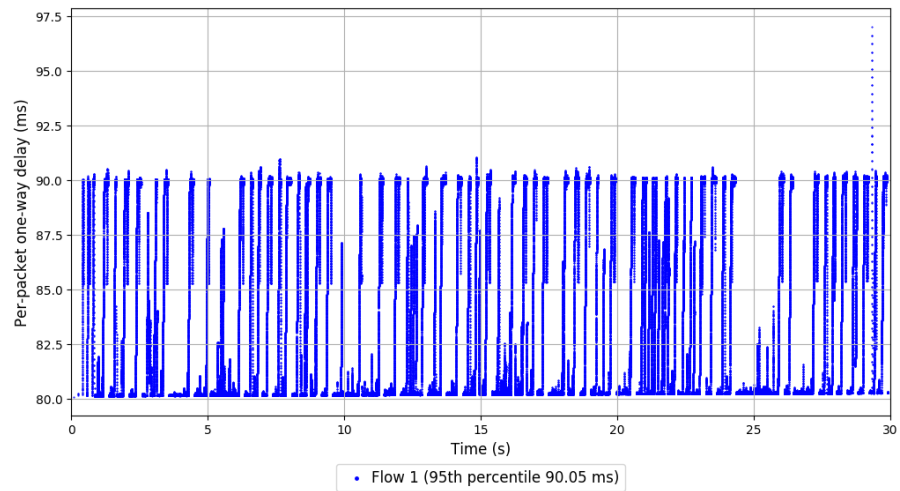
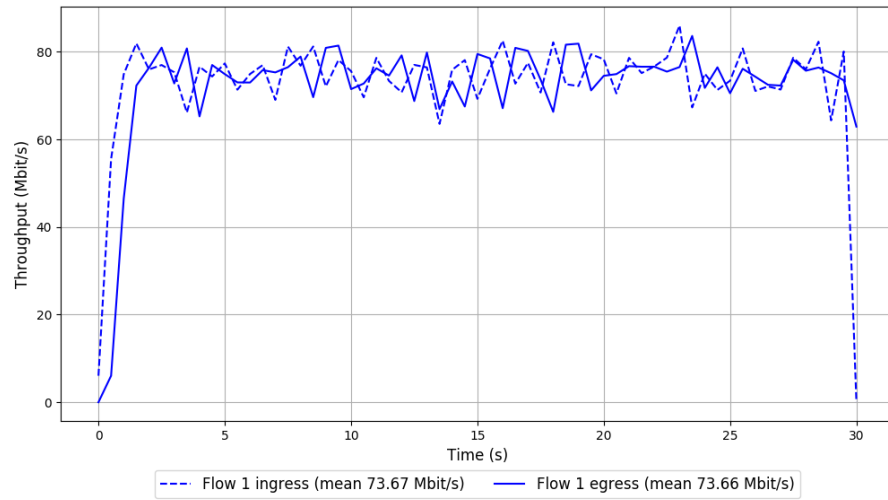
-- Flow 1:

Average throughput: 73.66 Mbit/s

95th percentile per-packet one-way delay: 90.047 ms

Loss rate: 0.57%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-25 00:39:51

End at: 2018-07-25 00:40:21

Local clock offset: -2.99 ms

Remote clock offset: 13.235 ms

Below is generated by plot.py at 2018-07-25 03:09:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.94 Mbit/s

95th percentile per-packet one-way delay: 92.499 ms

Loss rate: 0.00%

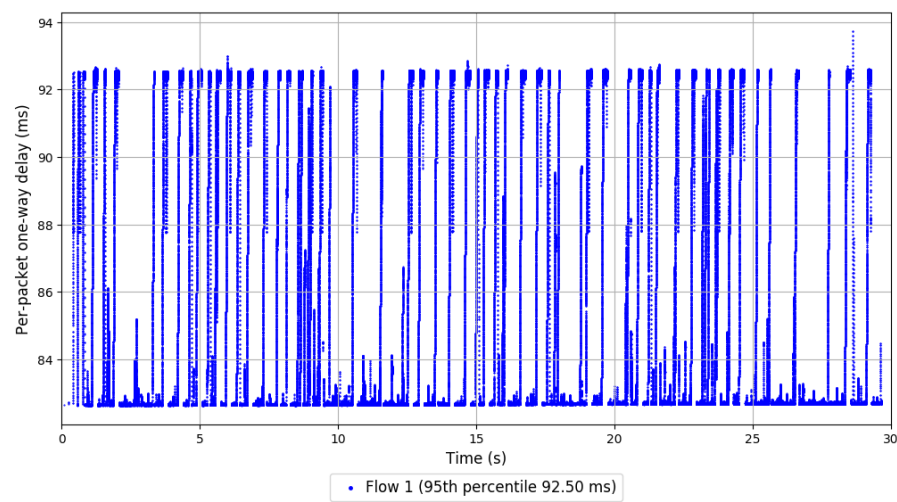
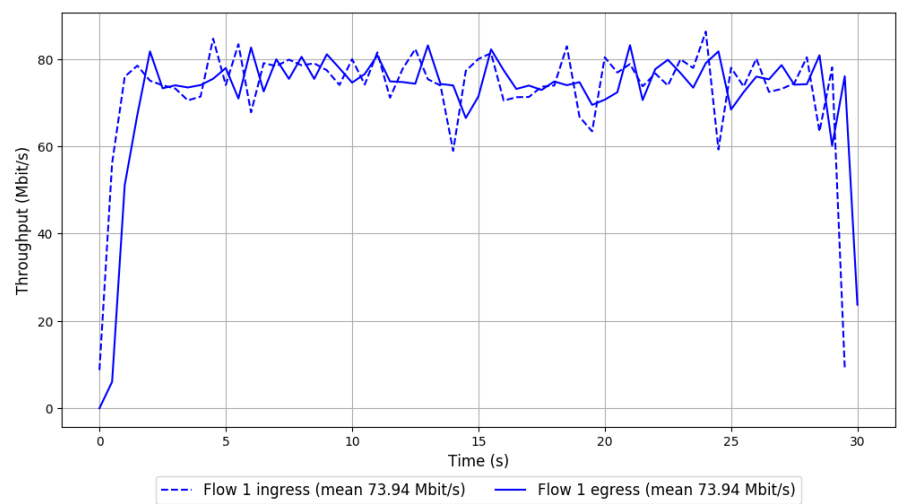
-- Flow 1:

Average throughput: 73.94 Mbit/s

95th percentile per-packet one-way delay: 92.499 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-25 00:59:42

End at: 2018-07-25 01:00:12

Local clock offset: -2.951 ms

Remote clock offset: 15.688 ms

Below is generated by plot.py at 2018-07-25 03:09:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.85 Mbit/s

95th percentile per-packet one-way delay: 88.146 ms

Loss rate: 0.55%

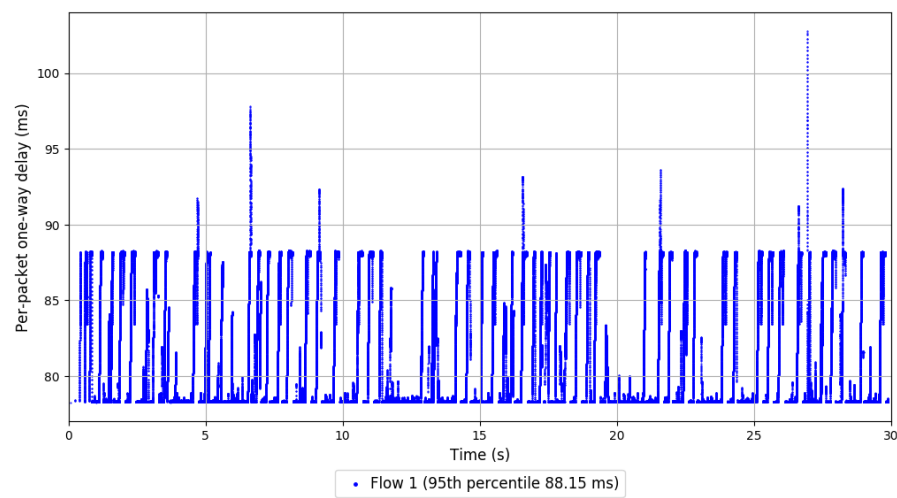
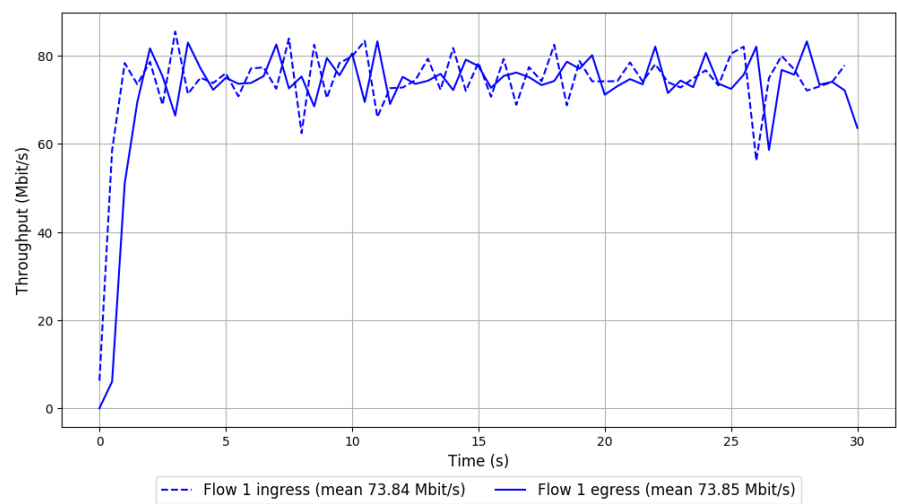
-- Flow 1:

Average throughput: 73.85 Mbit/s

95th percentile per-packet one-way delay: 88.146 ms

Loss rate: 0.55%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-25 01:19:32

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

Local clock offset: -2.775 ms

Remote clock offset: 8.498 ms

Below is generated by plot.py at 2018-07-25 03:09:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.49 Mbit/s

95th percentile per-packet one-way delay: 92.101 ms

Loss rate: 0.61%

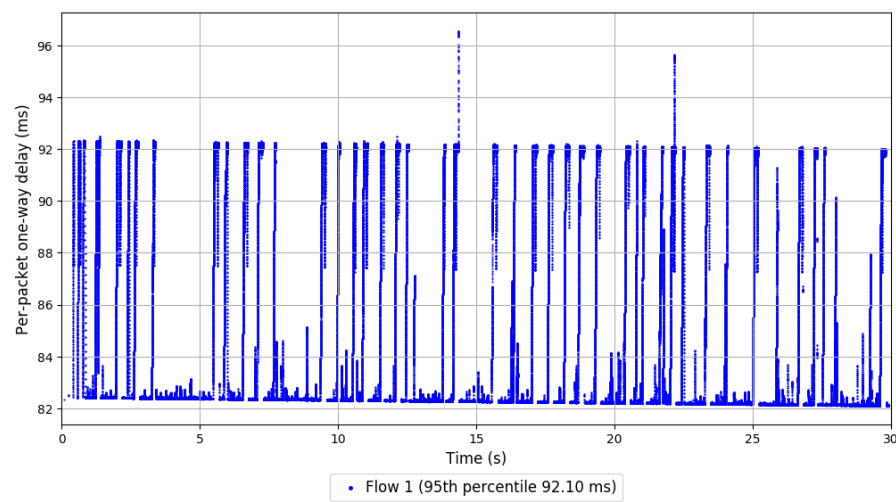
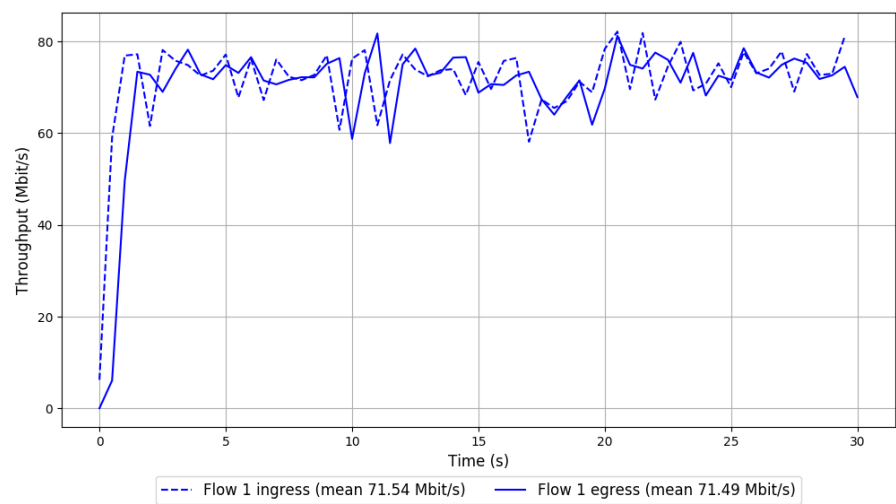
-- Flow 1:

Average throughput: 71.49 Mbit/s

95th percentile per-packet one-way delay: 92.101 ms

Loss rate: 0.61%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-25 01:39:17

End at: 2018-07-25 01:39:47

Local clock offset: -2.832 ms

Remote clock offset: 2.217 ms

Below is generated by plot.py at 2018-07-25 03:10:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.65 Mbit/s

95th percentile per-packet one-way delay: 94.587 ms

Loss rate: 0.76%

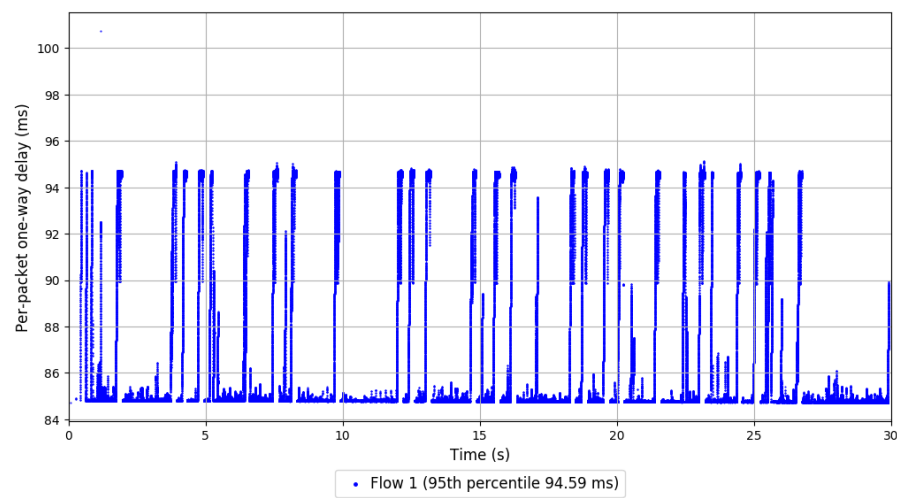
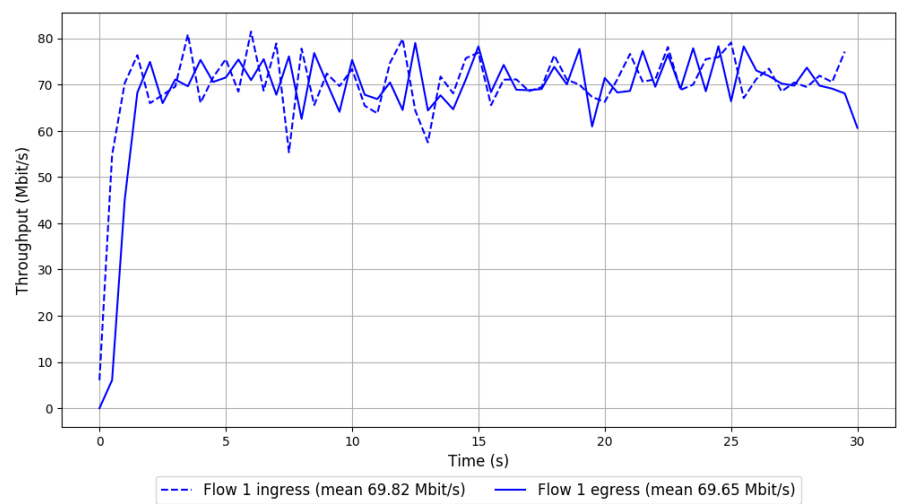
-- Flow 1:

Average throughput: 69.65 Mbit/s

95th percentile per-packet one-way delay: 94.587 ms

Loss rate: 0.76%

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



Run 8: Statistics of TaoVA-100x

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

End at: 2018-07-25 01:59:31

Local clock offset: -2.906 ms

Remote clock offset: 5.599 ms

Below is generated by plot.py at 2018-07-25 03:10:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.73 Mbit/s

95th percentile per-packet one-way delay: 92.579 ms

Loss rate: 0.54%

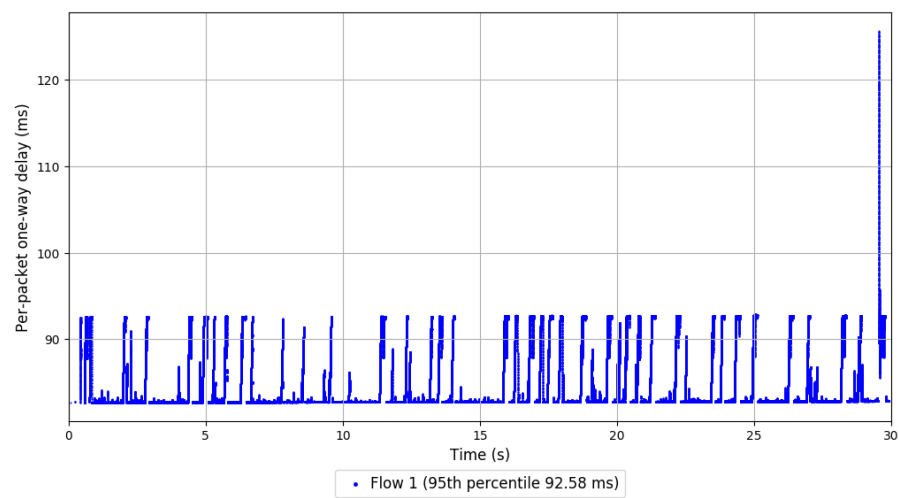
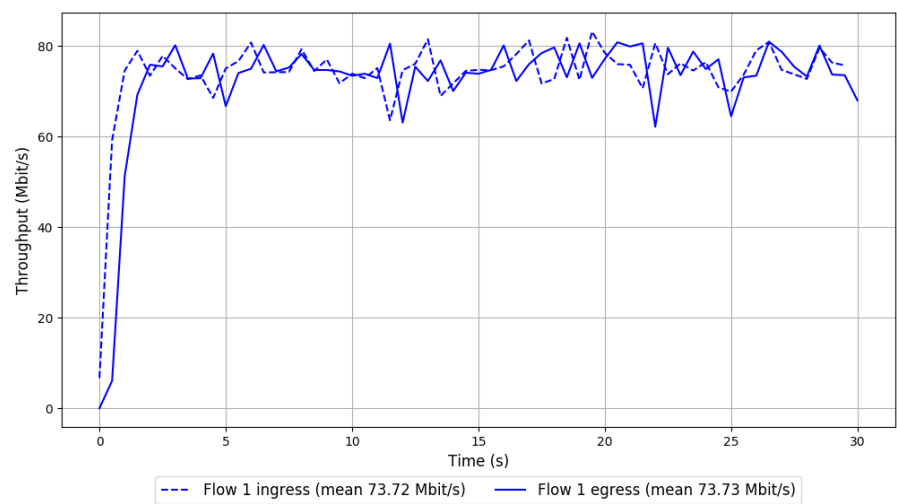
-- Flow 1:

Average throughput: 73.73 Mbit/s

95th percentile per-packet one-way delay: 92.579 ms

Loss rate: 0.54%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-25 02:18:40

End at: 2018-07-25 02:19:10

Local clock offset: -2.761 ms

Remote clock offset: 9.046 ms

Below is generated by plot.py at 2018-07-25 03:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.34 Mbit/s

95th percentile per-packet one-way delay: 91.136 ms

Loss rate: 0.57%

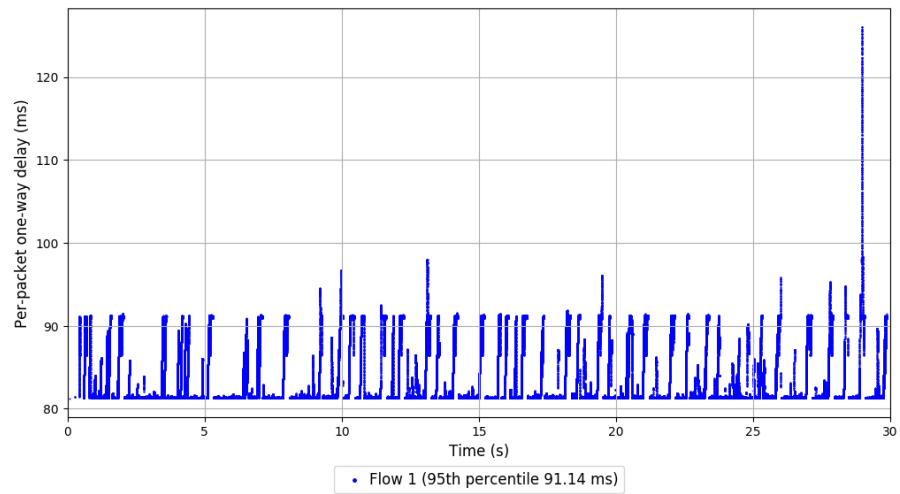
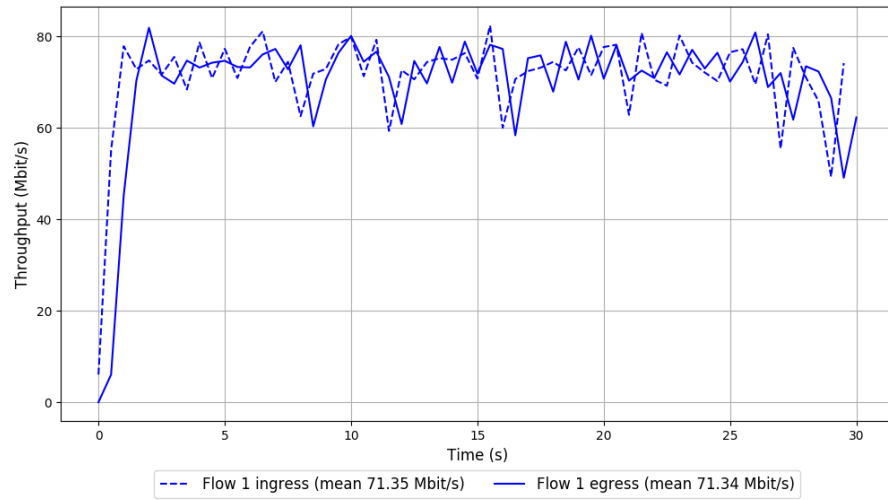
-- Flow 1:

Average throughput: 71.34 Mbit/s

95th percentile per-packet one-way delay: 91.136 ms

Loss rate: 0.57%

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

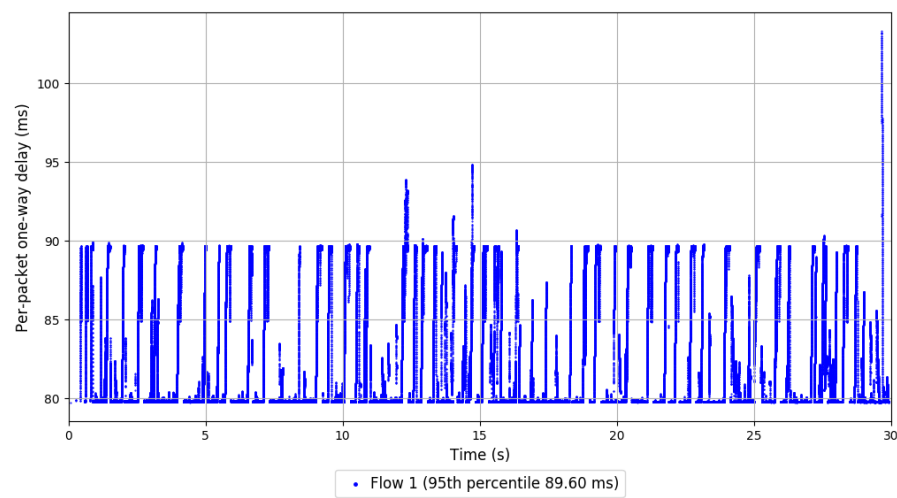
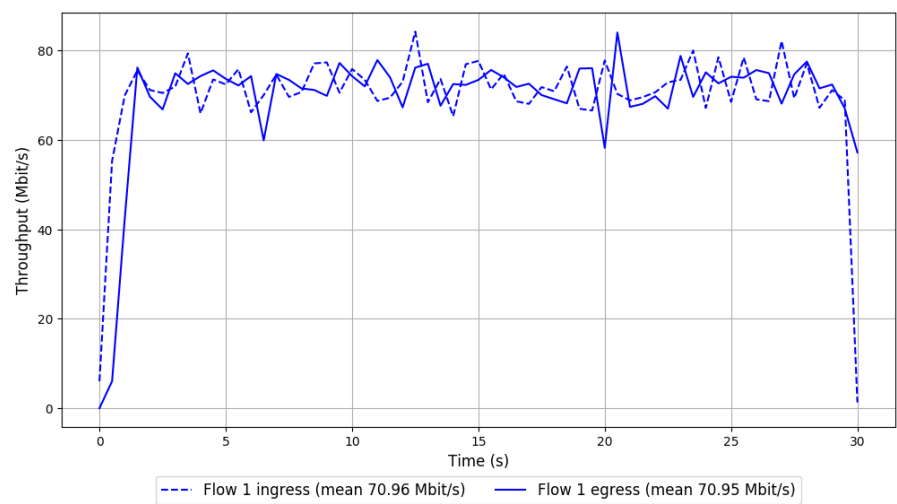


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-25 02:38:25
End at: 2018-07-25 02:38:55
Local clock offset: -2.616 ms
Remote clock offset: 10.945 ms

Below is generated by plot.py at 2018-07-25 03:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.95 Mbit/s
95th percentile per-packet one-way delay: 89.603 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 70.95 Mbit/s
95th percentile per-packet one-way delay: 89.603 ms
Loss rate: 0.58%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-24 23:43:57

End at: 2018-07-24 23:44:27

Local clock offset: -2.85 ms

Remote clock offset: 8.89 ms

Below is generated by plot.py at 2018-07-25 03:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.80 Mbit/s

95th percentile per-packet one-way delay: 80.588 ms

Loss rate: 0.67%

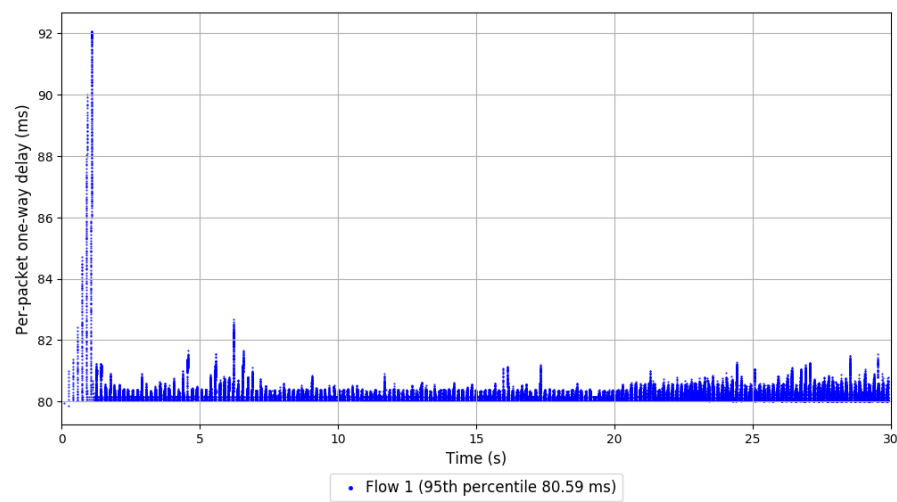
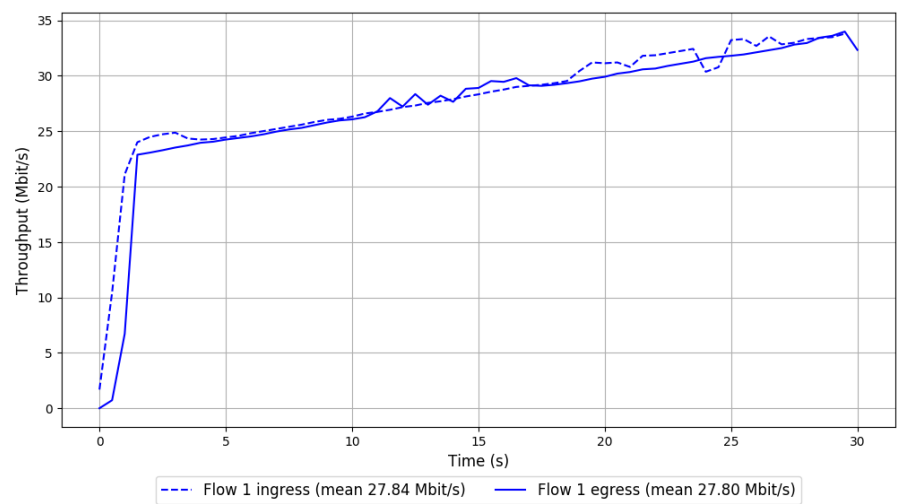
-- Flow 1:

Average throughput: 27.80 Mbit/s

95th percentile per-packet one-way delay: 80.588 ms

Loss rate: 0.67%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-25 00:03:47

End at: 2018-07-25 00:04:17

Local clock offset: -2.905 ms

Remote clock offset: 4.667 ms

Below is generated by plot.py at 2018-07-25 03:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.19 Mbit/s

95th percentile per-packet one-way delay: 84.391 ms

Loss rate: 0.67%

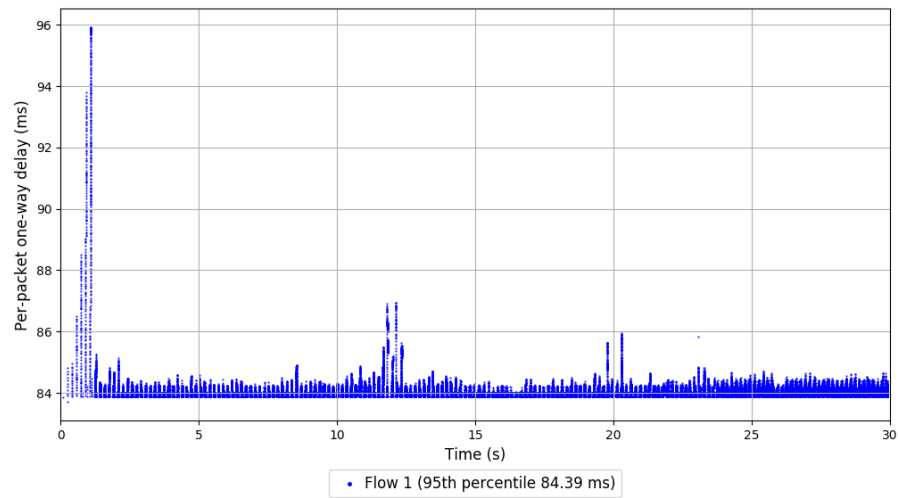
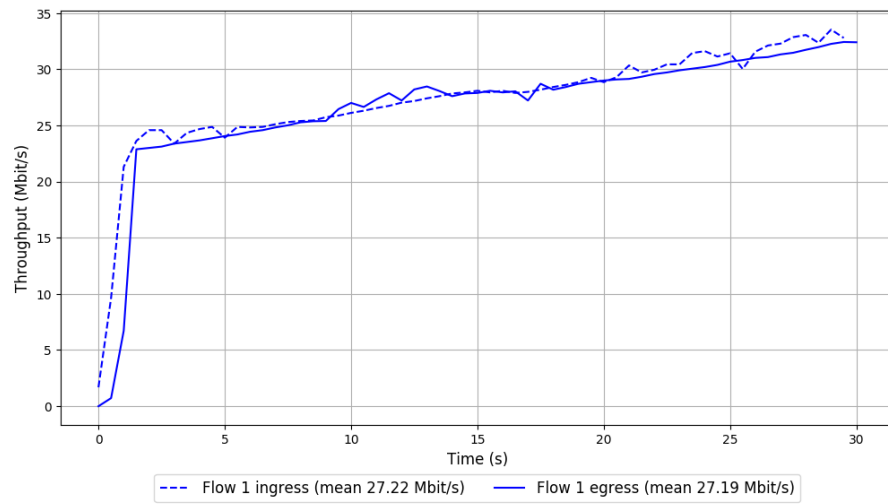
-- Flow 1:

Average throughput: 27.19 Mbit/s

95th percentile per-packet one-way delay: 84.391 ms

Loss rate: 0.67%

Run 2: Report of TCP Vegas — Data Link

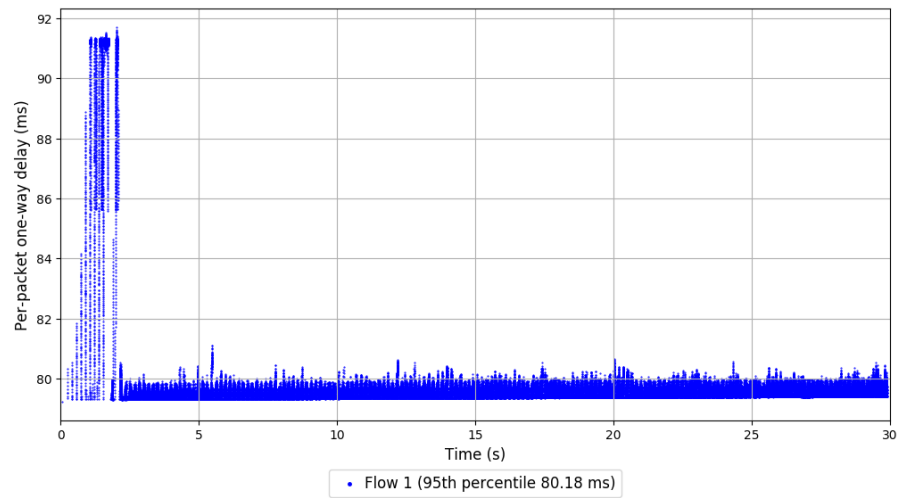
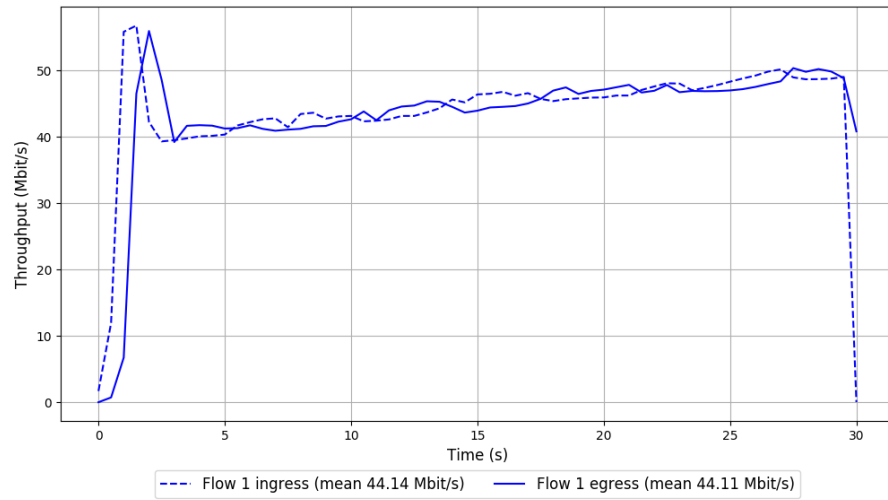


Run 3: Statistics of TCP Vegas

Start at: 2018-07-25 00:23:34
End at: 2018-07-25 00:24:04
Local clock offset: -3.086 ms
Remote clock offset: 14.433 ms

Below is generated by plot.py at 2018-07-25 03:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.11 Mbit/s
95th percentile per-packet one-way delay: 80.179 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 44.11 Mbit/s
95th percentile per-packet one-way delay: 80.179 ms
Loss rate: 0.62%

Run 3: Report of TCP Vegas — Data Link

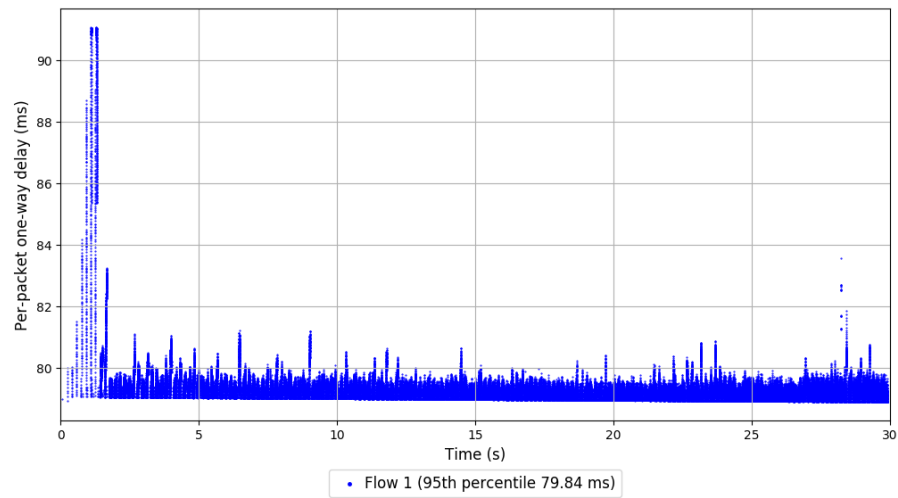
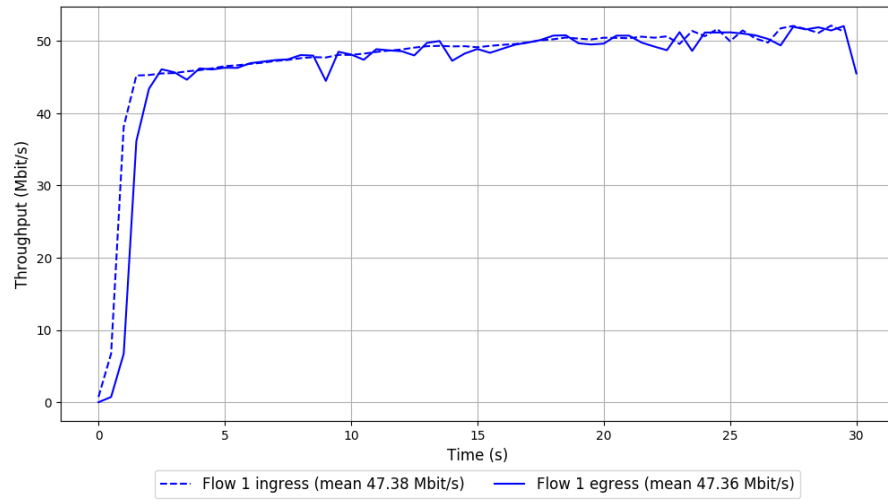


Run 4: Statistics of TCP Vegas

Start at: 2018-07-25 00:43:21
End at: 2018-07-25 00:43:51
Local clock offset: -2.982 ms
Remote clock offset: 19.076 ms

Below is generated by plot.py at 2018-07-25 03:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 79.843 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 79.843 ms
Loss rate: 0.61%

Run 4: Report of TCP Vegas — Data Link

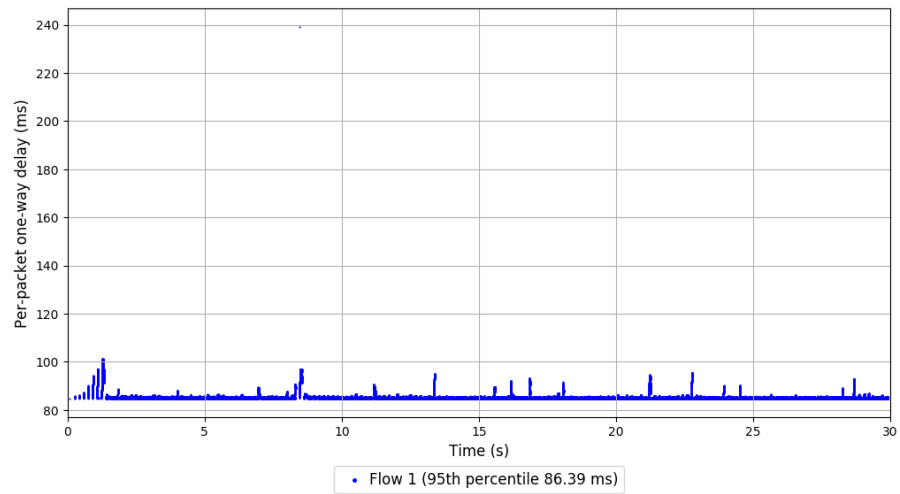
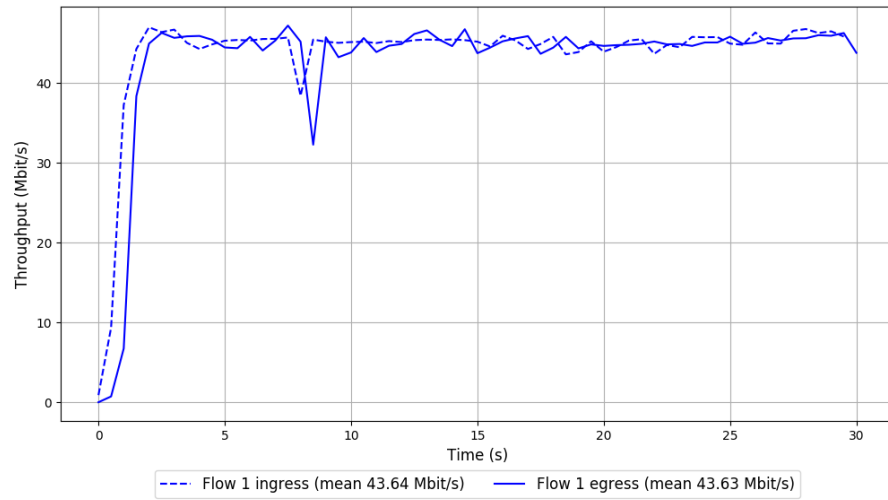


Run 5: Statistics of TCP Vegas

Start at: 2018-07-25 01:03:13
End at: 2018-07-25 01:03:43
Local clock offset: -2.921 ms
Remote clock offset: 10.284 ms

Below is generated by plot.py at 2018-07-25 03:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.63 Mbit/s
95th percentile per-packet one-way delay: 86.387 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 43.63 Mbit/s
95th percentile per-packet one-way delay: 86.387 ms
Loss rate: 0.57%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

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

End at: 2018-07-25 01:23:31

Local clock offset: -2.845 ms

Remote clock offset: 6.387 ms

Below is generated by plot.py at 2018-07-25 03:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.97 Mbit/s

95th percentile per-packet one-way delay: 85.477 ms

Loss rate: 0.58%

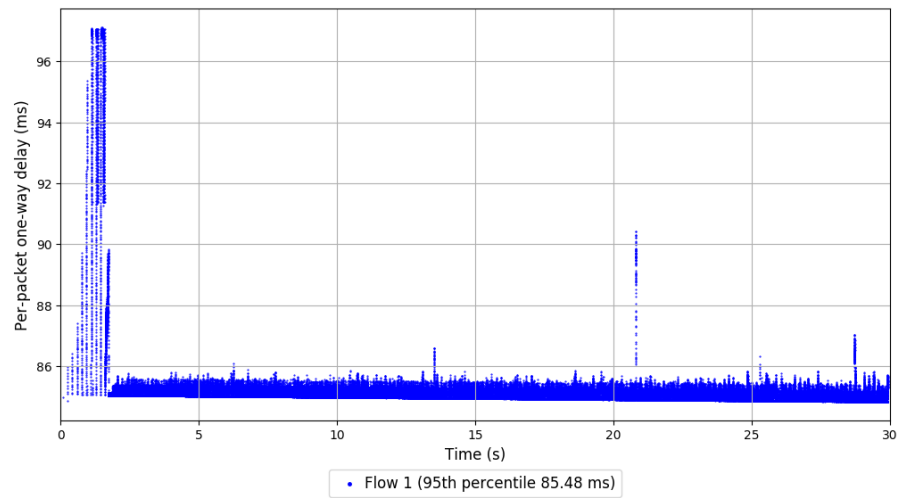
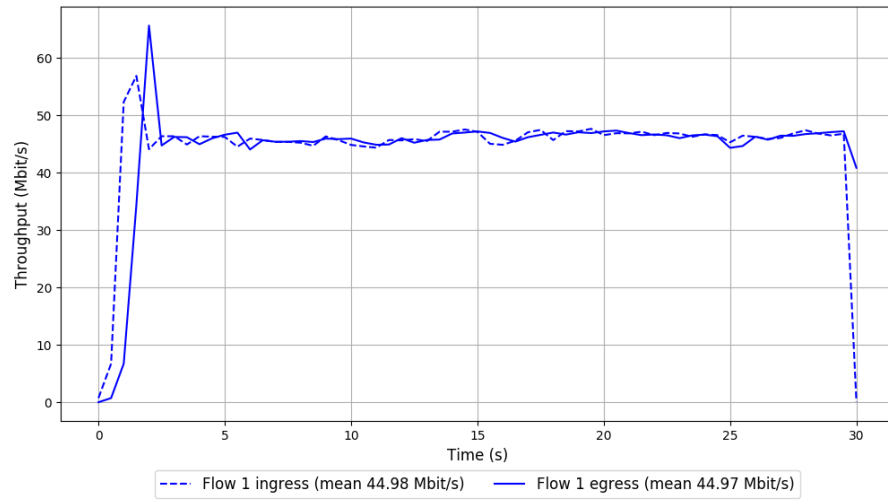
-- Flow 1:

Average throughput: 44.97 Mbit/s

95th percentile per-packet one-way delay: 85.477 ms

Loss rate: 0.58%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-25 01:42:48

End at: 2018-07-25 01:43:18

Local clock offset: -2.86 ms

Remote clock offset: 1.651 ms

Below is generated by plot.py at 2018-07-25 03:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.71 Mbit/s

95th percentile per-packet one-way delay: 85.382 ms

Loss rate: 0.58%

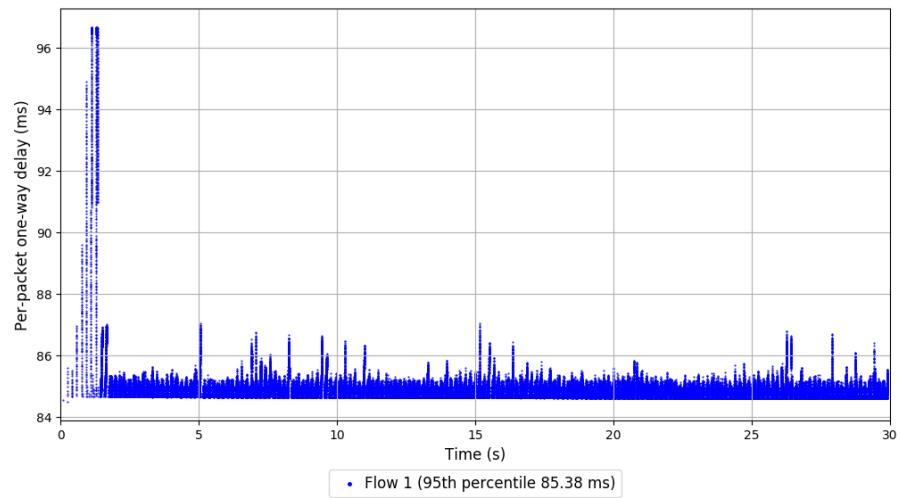
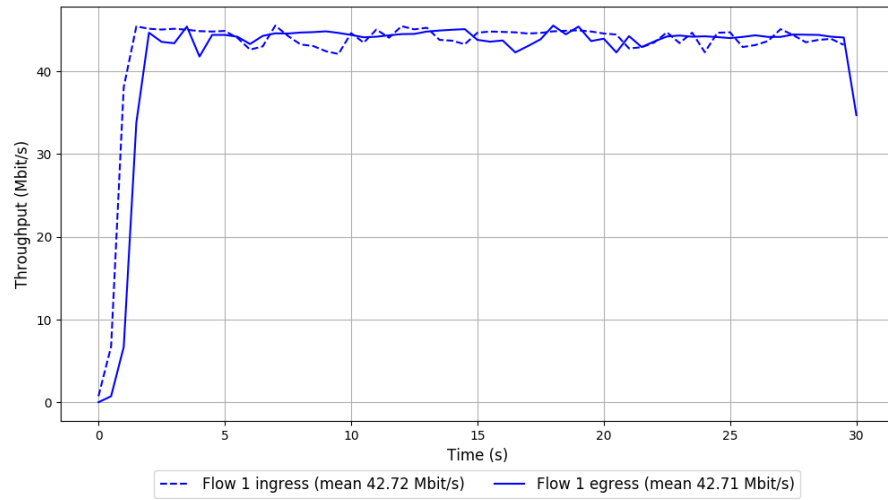
-- Flow 1:

Average throughput: 42.71 Mbit/s

95th percentile per-packet one-way delay: 85.382 ms

Loss rate: 0.58%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

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

End at: 2018-07-25 02:03:01

Local clock offset: -2.882 ms

Remote clock offset: 7.544 ms

Below is generated by plot.py at 2018-07-25 03:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.28 Mbit/s

95th percentile per-packet one-way delay: 82.652 ms

Loss rate: 0.58%

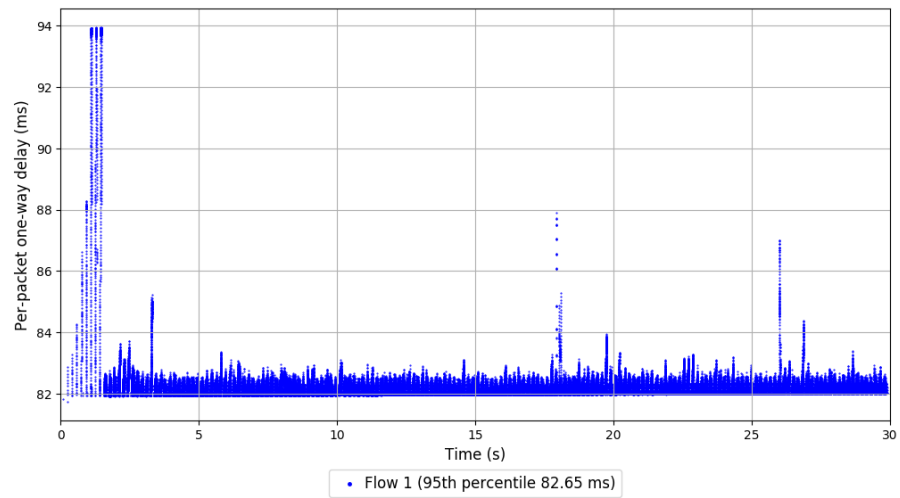
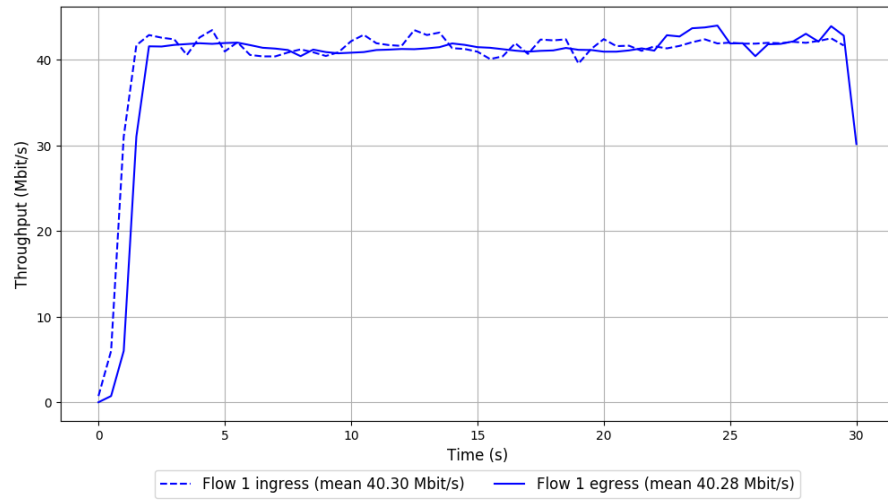
-- Flow 1:

Average throughput: 40.28 Mbit/s

95th percentile per-packet one-way delay: 82.652 ms

Loss rate: 0.58%

Run 8: Report of TCP Vegas — Data Link

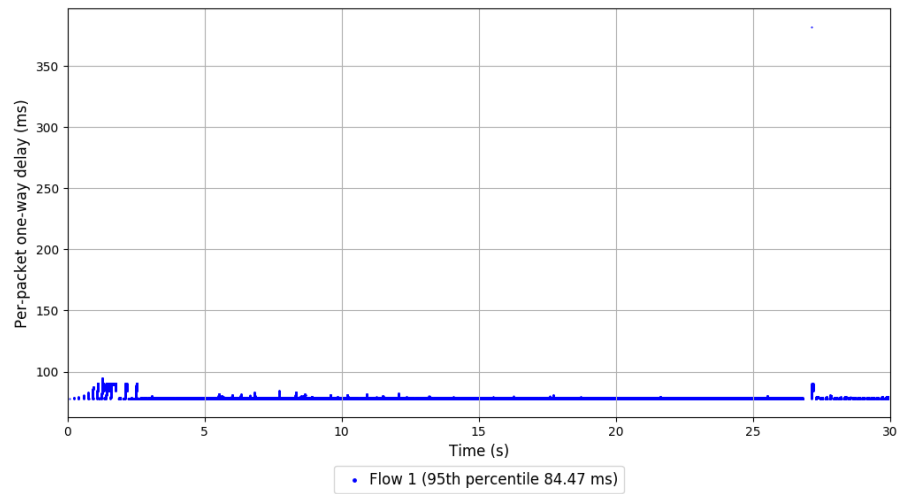
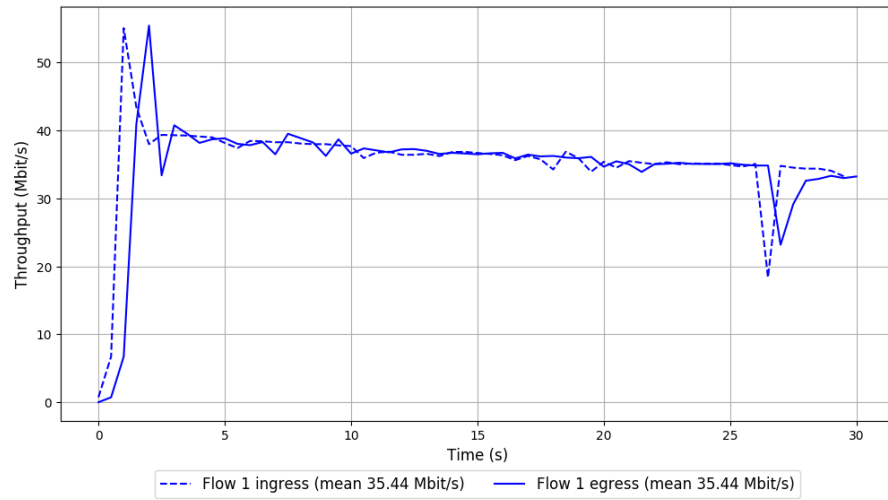


Run 9: Statistics of TCP Vegas

Start at: 2018-07-25 02:22:10
End at: 2018-07-25 02:22:40
Local clock offset: -2.677 ms
Remote clock offset: 12.933 ms

Below is generated by plot.py at 2018-07-25 03:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.44 Mbit/s
95th percentile per-packet one-way delay: 84.470 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 35.44 Mbit/s
95th percentile per-packet one-way delay: 84.470 ms
Loss rate: 0.53%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-25 02:41:55

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

Local clock offset: -2.621 ms

Remote clock offset: 6.917 ms

Below is generated by plot.py at 2018-07-25 03:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.92 Mbit/s

95th percentile per-packet one-way delay: 84.471 ms

Loss rate: 0.60%

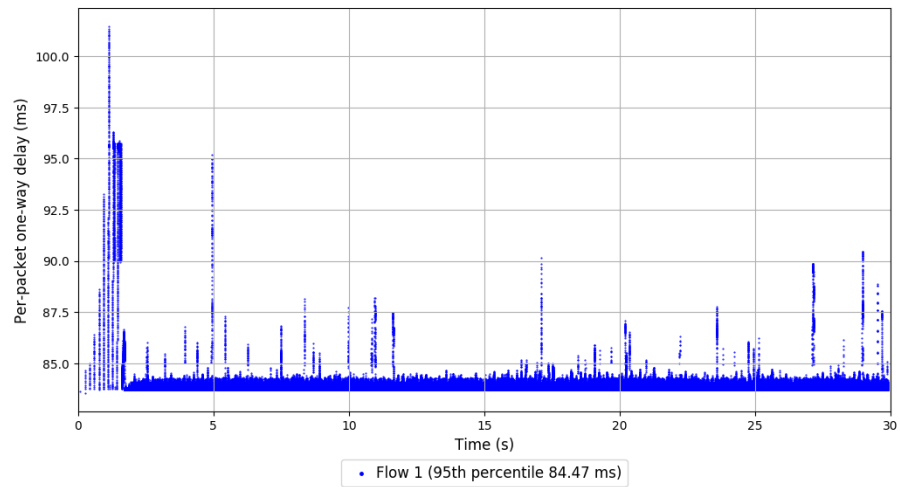
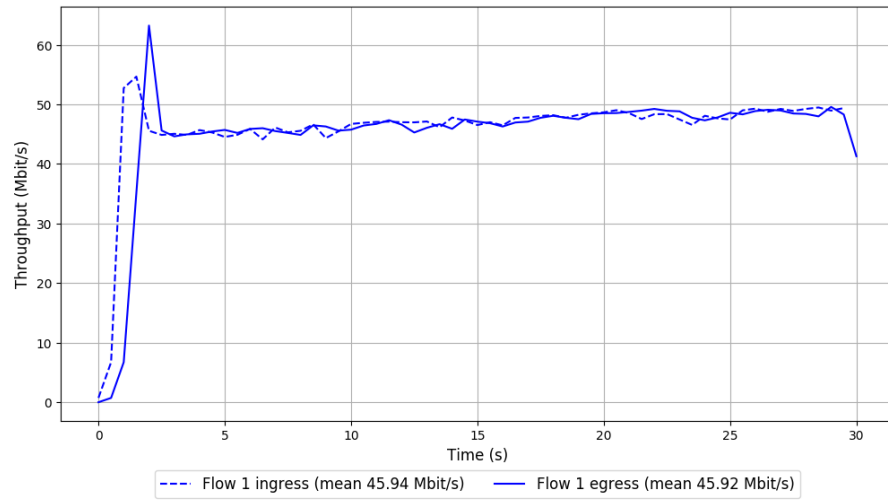
-- Flow 1:

Average throughput: 45.92 Mbit/s

95th percentile per-packet one-way delay: 84.471 ms

Loss rate: 0.60%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-24 23:46:16

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

Local clock offset: -2.869 ms

Remote clock offset: 9.802 ms

Below is generated by plot.py at 2018-07-25 03:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.31 Mbit/s

95th percentile per-packet one-way delay: 90.736 ms

Loss rate: 9.79%

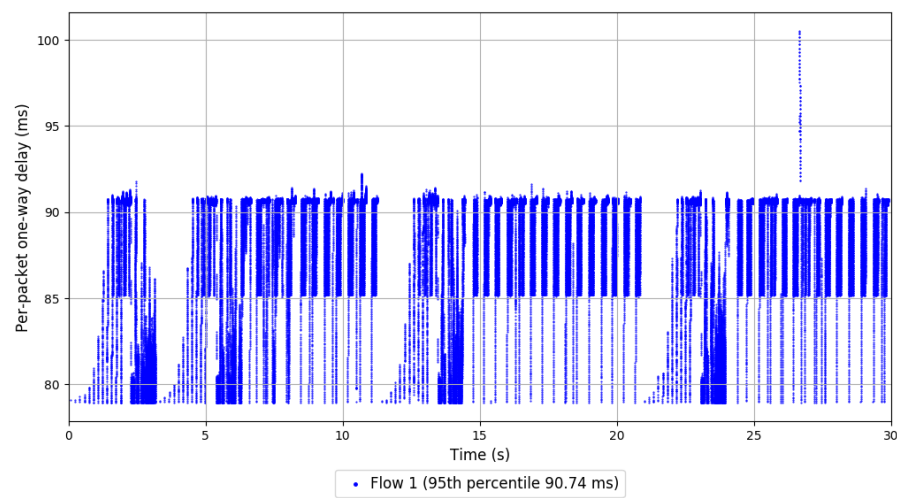
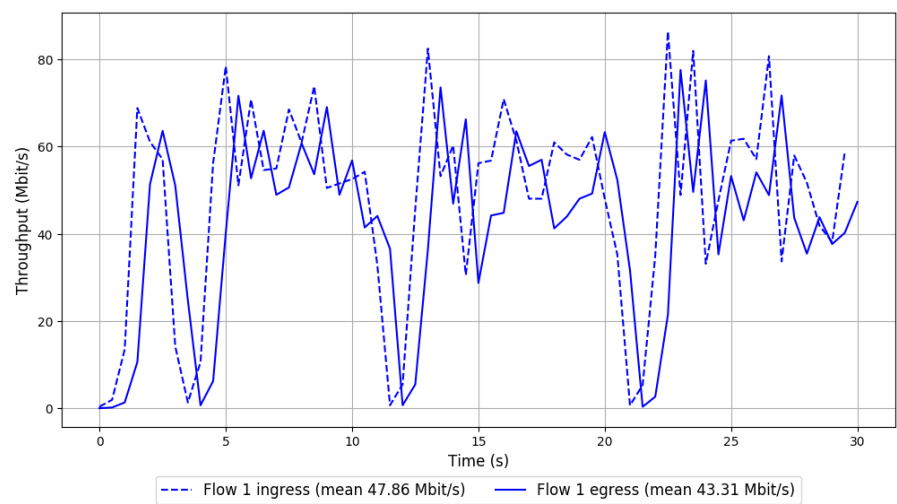
-- Flow 1:

Average throughput: 43.31 Mbit/s

95th percentile per-packet one-way delay: 90.736 ms

Loss rate: 9.79%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

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

End at: 2018-07-25 00:06:37

Local clock offset: -2.945 ms

Remote clock offset: 3.701 ms

Below is generated by plot.py at 2018-07-25 03:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.75 Mbit/s

95th percentile per-packet one-way delay: 96.513 ms

Loss rate: 0.09%

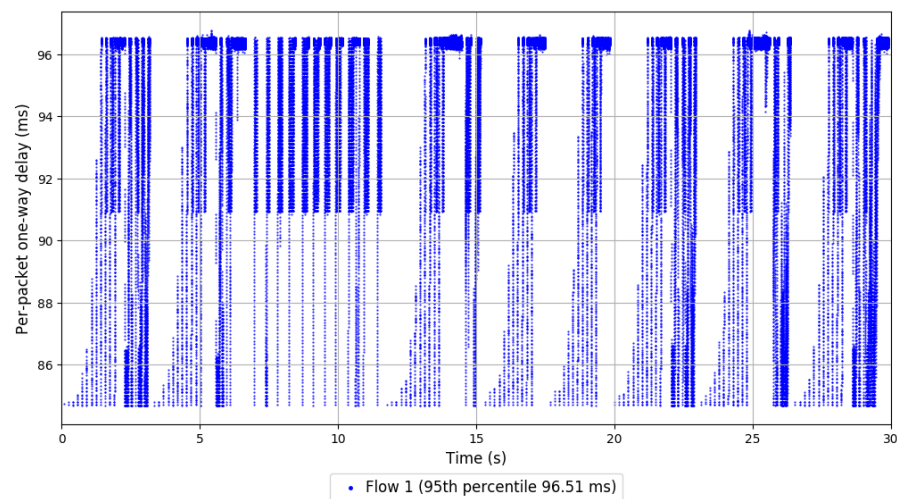
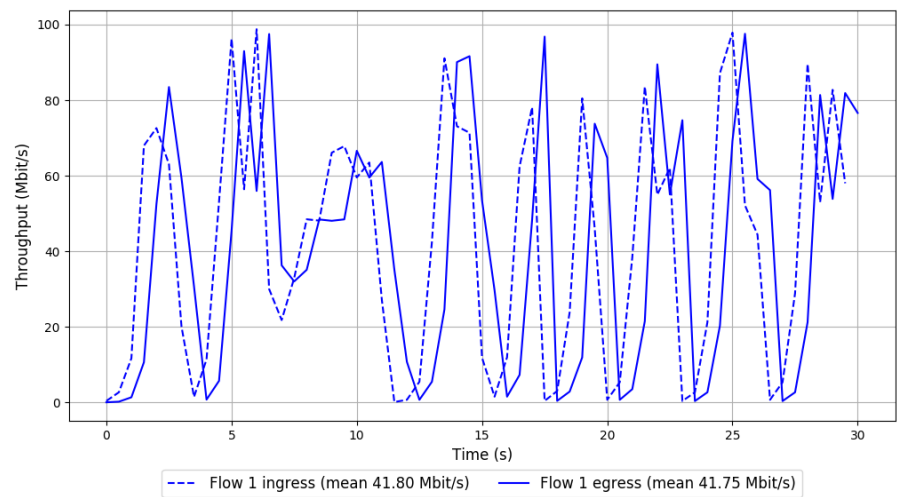
-- Flow 1:

Average throughput: 41.75 Mbit/s

95th percentile per-packet one-way delay: 96.513 ms

Loss rate: 0.09%

Run 2: Report of Verus — Data Link

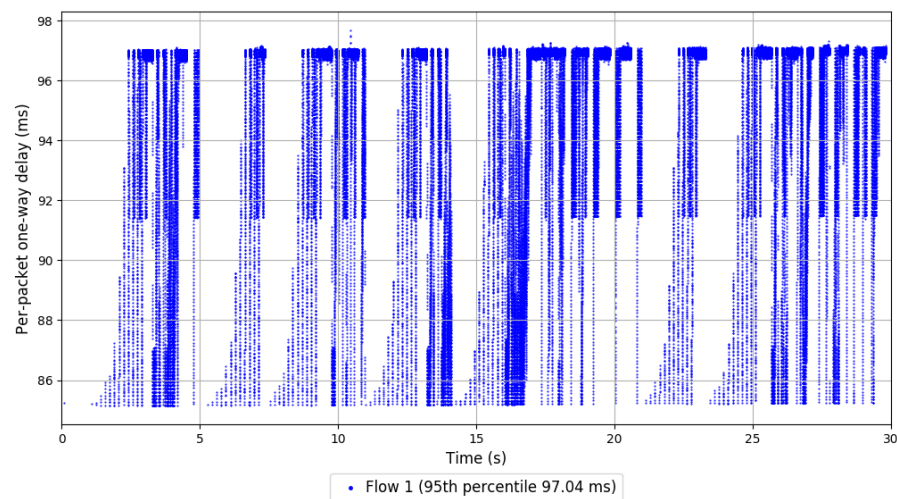
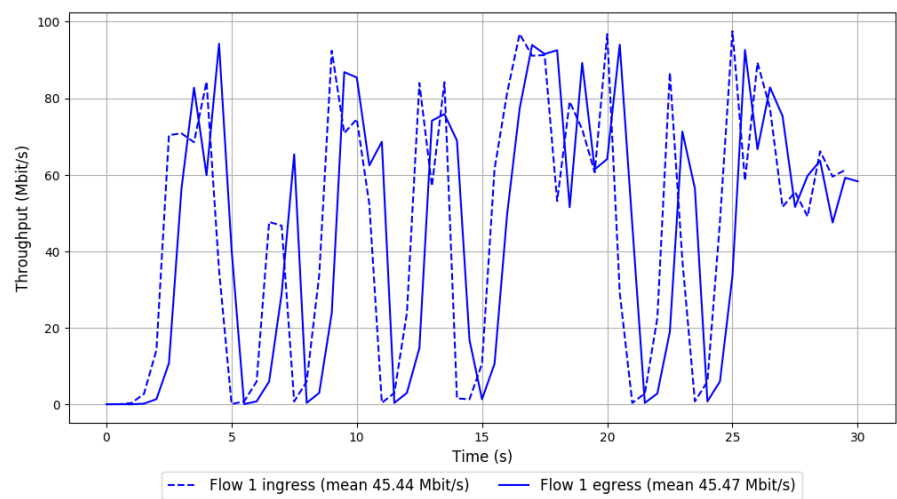


Run 3: Statistics of Verus

Start at: 2018-07-25 00:25:52
End at: 2018-07-25 00:26:22
Local clock offset: -3.134 ms
Remote clock offset: 11.226 ms

Below is generated by plot.py at 2018-07-25 03:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.47 Mbit/s
95th percentile per-packet one-way delay: 97.037 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 45.47 Mbit/s
95th percentile per-packet one-way delay: 97.037 ms
Loss rate: 0.88%

Run 3: Report of Verus — Data Link

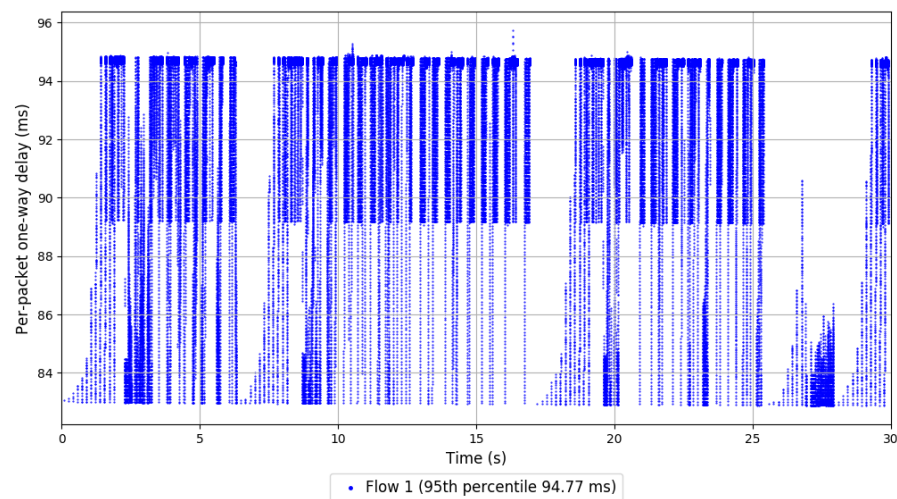
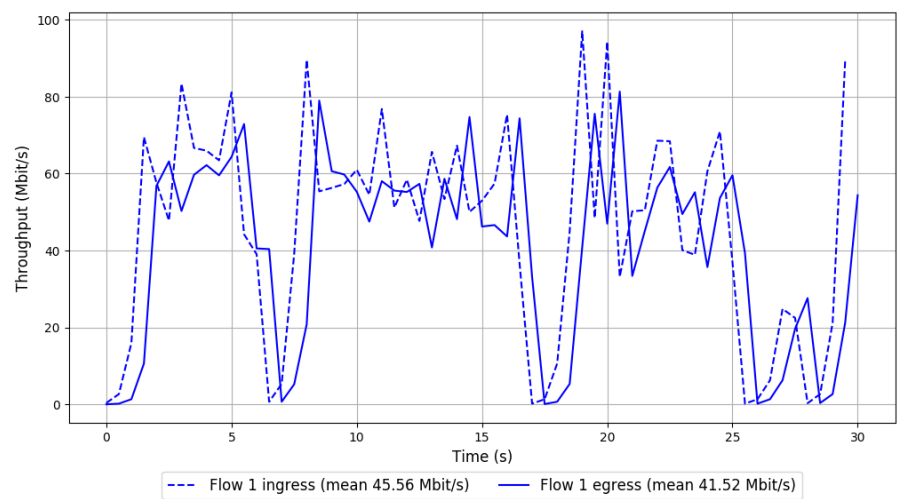


Run 4: Statistics of Verus

Start at: 2018-07-25 00:45:42
End at: 2018-07-25 00:46:12
Local clock offset: -2.959 ms
Remote clock offset: 12.417 ms

Below is generated by plot.py at 2018-07-25 03:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 94.765 ms
Loss rate: 9.39%
-- Flow 1:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 94.765 ms
Loss rate: 9.39%

Run 4: Report of Verus — Data Link

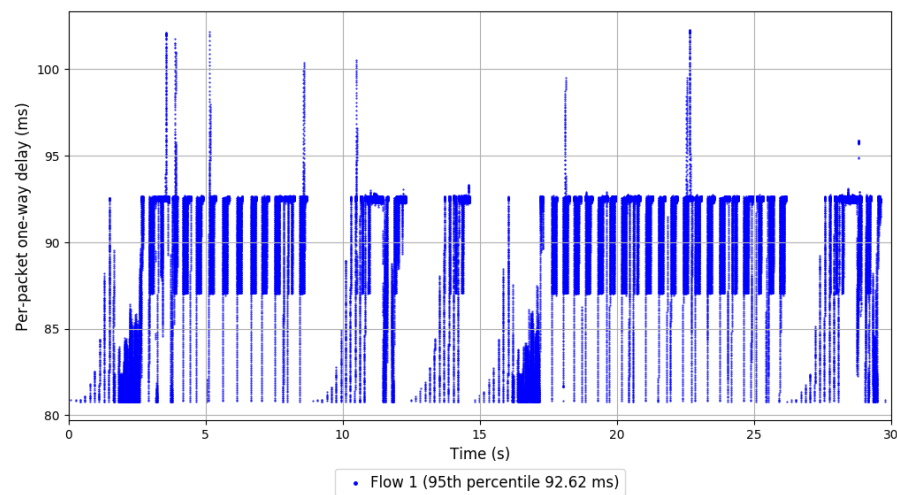
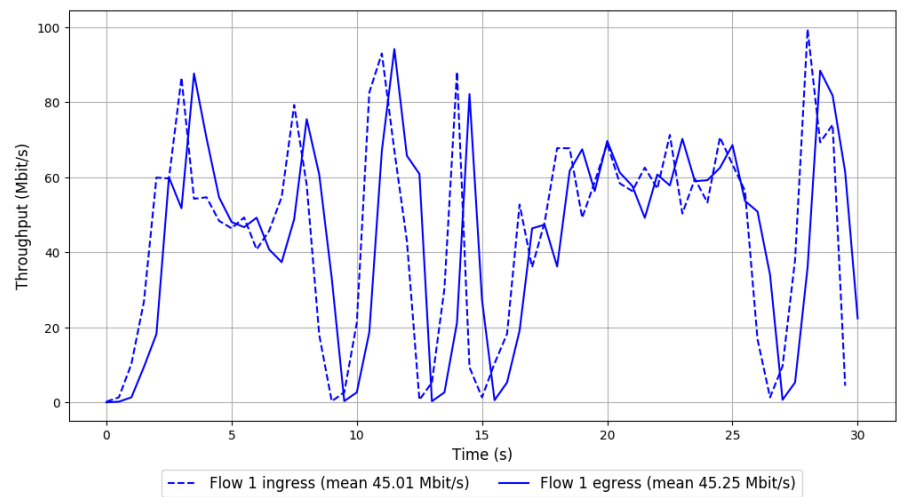


Run 5: Statistics of Verus

Start at: 2018-07-25 01:05:33
End at: 2018-07-25 01:06:04
Local clock offset: -2.944 ms
Remote clock offset: 15.183 ms

Below is generated by plot.py at 2018-07-25 03:11:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.25 Mbit/s
95th percentile per-packet one-way delay: 92.617 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 45.25 Mbit/s
95th percentile per-packet one-way delay: 92.617 ms
Loss rate: 0.05%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-25 01:25:18

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

Local clock offset: -2.757 ms

Remote clock offset: 5.684 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.35 Mbit/s

95th percentile per-packet one-way delay: 93.828 ms

Loss rate: 0.64%

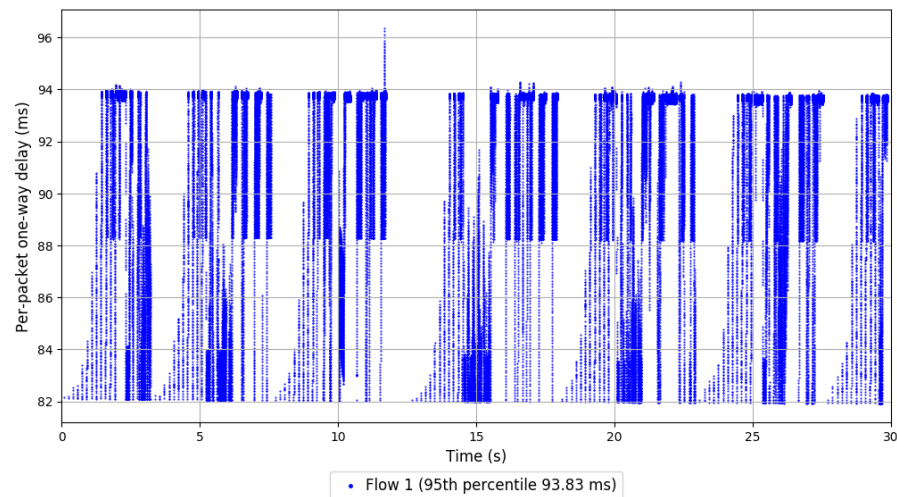
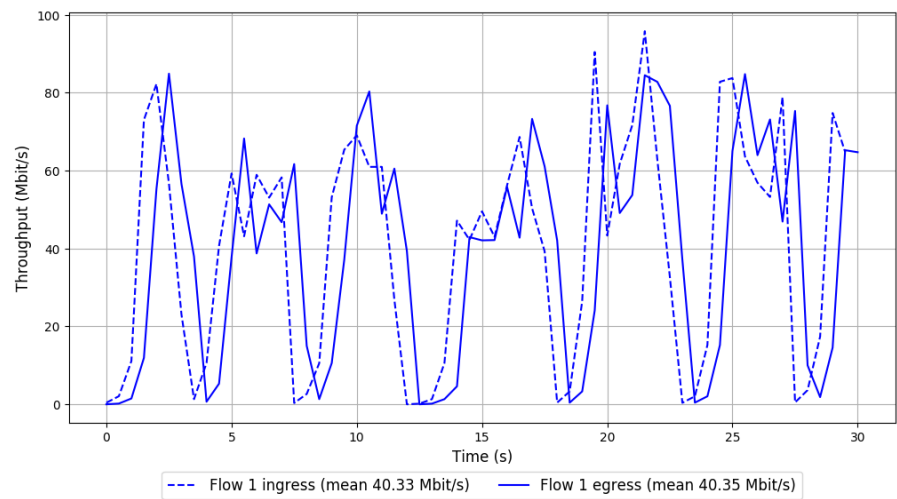
-- Flow 1:

Average throughput: 40.35 Mbit/s

95th percentile per-packet one-way delay: 93.828 ms

Loss rate: 0.64%

Run 6: Report of Verus — Data Link

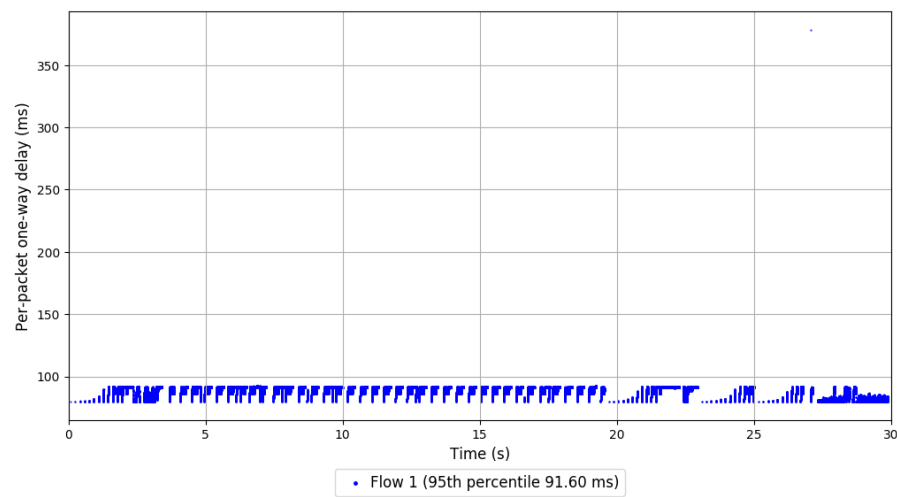
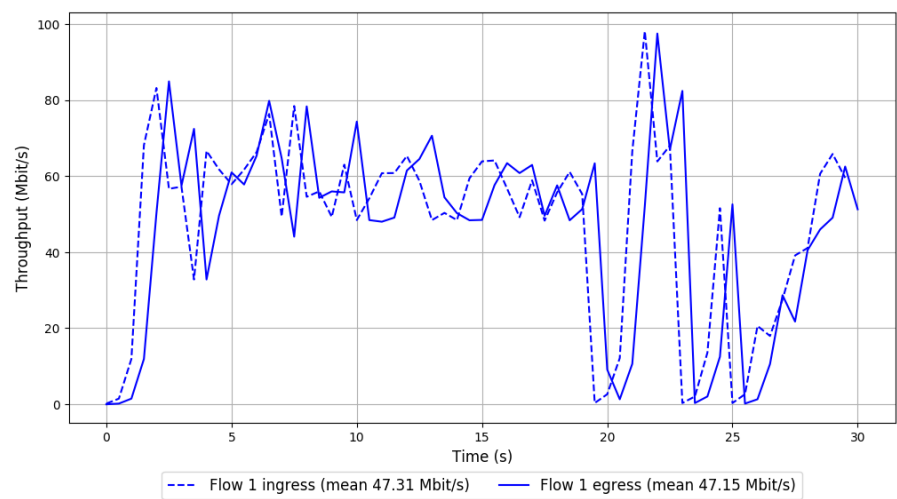


Run 7: Statistics of Verus

Start at: 2018-07-25 01:45:05
End at: 2018-07-25 01:45:35
Local clock offset: -2.874 ms
Remote clock offset: 5.961 ms

Below is generated by plot.py at 2018-07-25 03:11:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.15 Mbit/s
95th percentile per-packet one-way delay: 91.600 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 47.15 Mbit/s
95th percentile per-packet one-way delay: 91.600 ms
Loss rate: 0.88%

Run 7: Report of Verus — Data Link

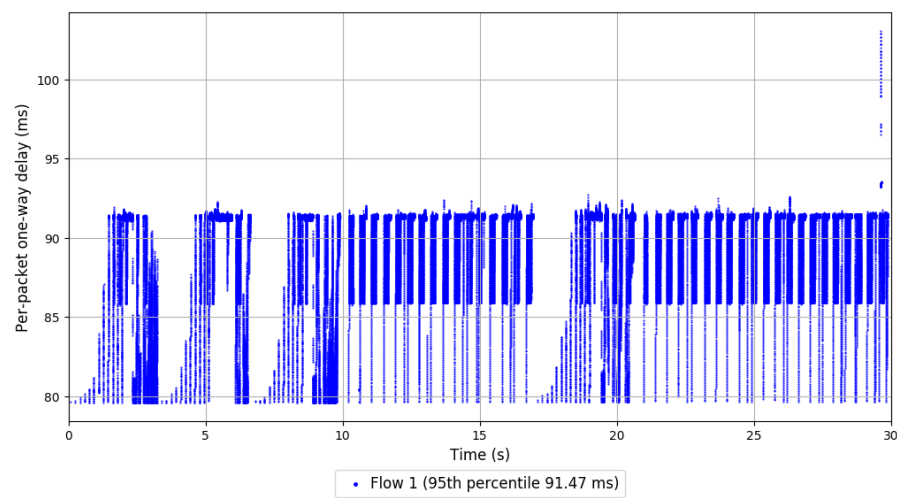
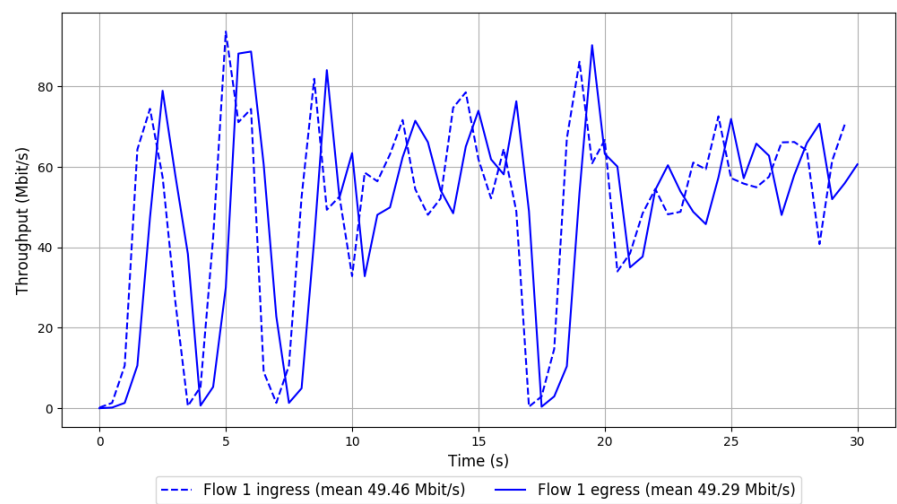


Run 8: Statistics of Verus

Start at: 2018-07-25 02:04:49
End at: 2018-07-25 02:05:19
Local clock offset: -2.863 ms
Remote clock offset: 11.715 ms

Below is generated by plot.py at 2018-07-25 03:11:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.29 Mbit/s
95th percentile per-packet one-way delay: 91.468 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 49.29 Mbit/s
95th percentile per-packet one-way delay: 91.468 ms
Loss rate: 0.57%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-25 02:24:27

End at: 2018-07-25 02:24:57

Local clock offset: -2.656 ms

Remote clock offset: 9.19 ms

Below is generated by plot.py at 2018-07-25 03:11:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.29 Mbit/s

95th percentile per-packet one-way delay: 93.080 ms

Loss rate: 1.24%

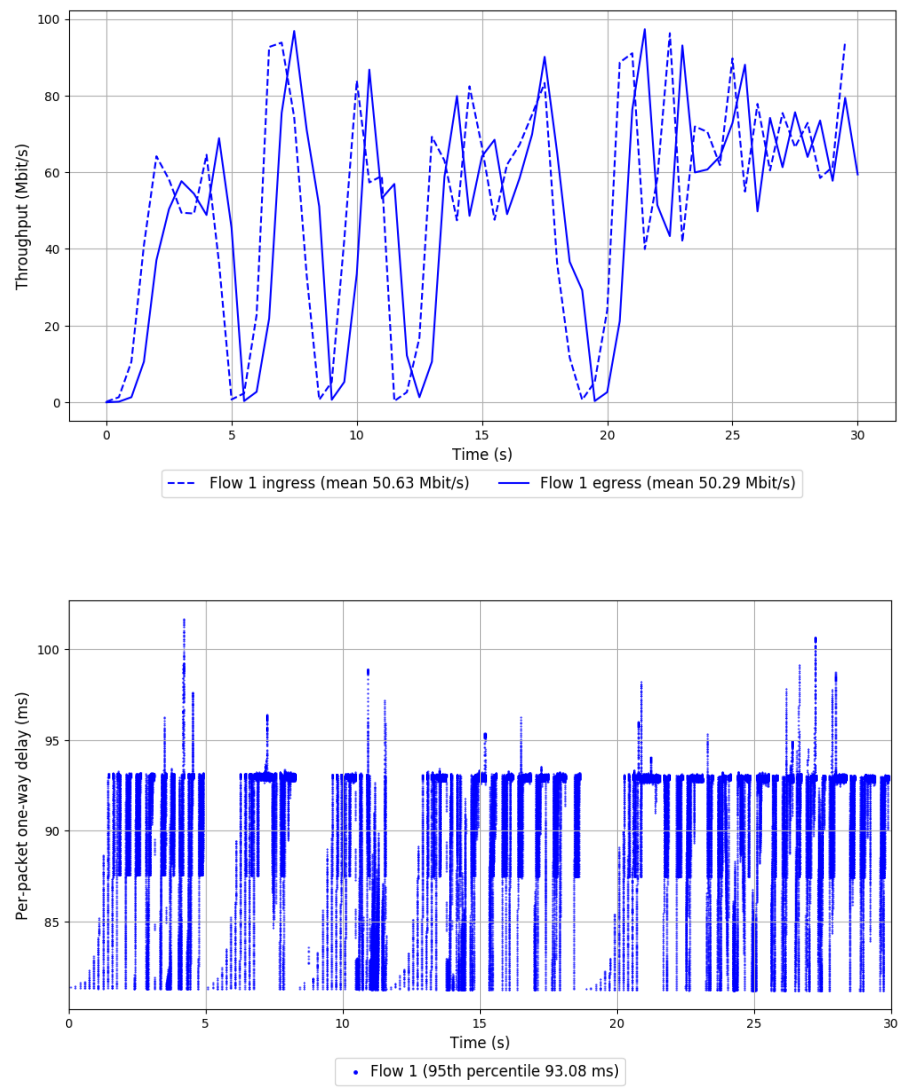
-- Flow 1:

Average throughput: 50.29 Mbit/s

95th percentile per-packet one-way delay: 93.080 ms

Loss rate: 1.24%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-25 02:44:12

End at: 2018-07-25 02:44:42

Local clock offset: -2.63 ms

Remote clock offset: 9.333 ms

Below is generated by plot.py at 2018-07-25 03:11:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.90 Mbit/s

95th percentile per-packet one-way delay: 90.556 ms

Loss rate: 2.69%

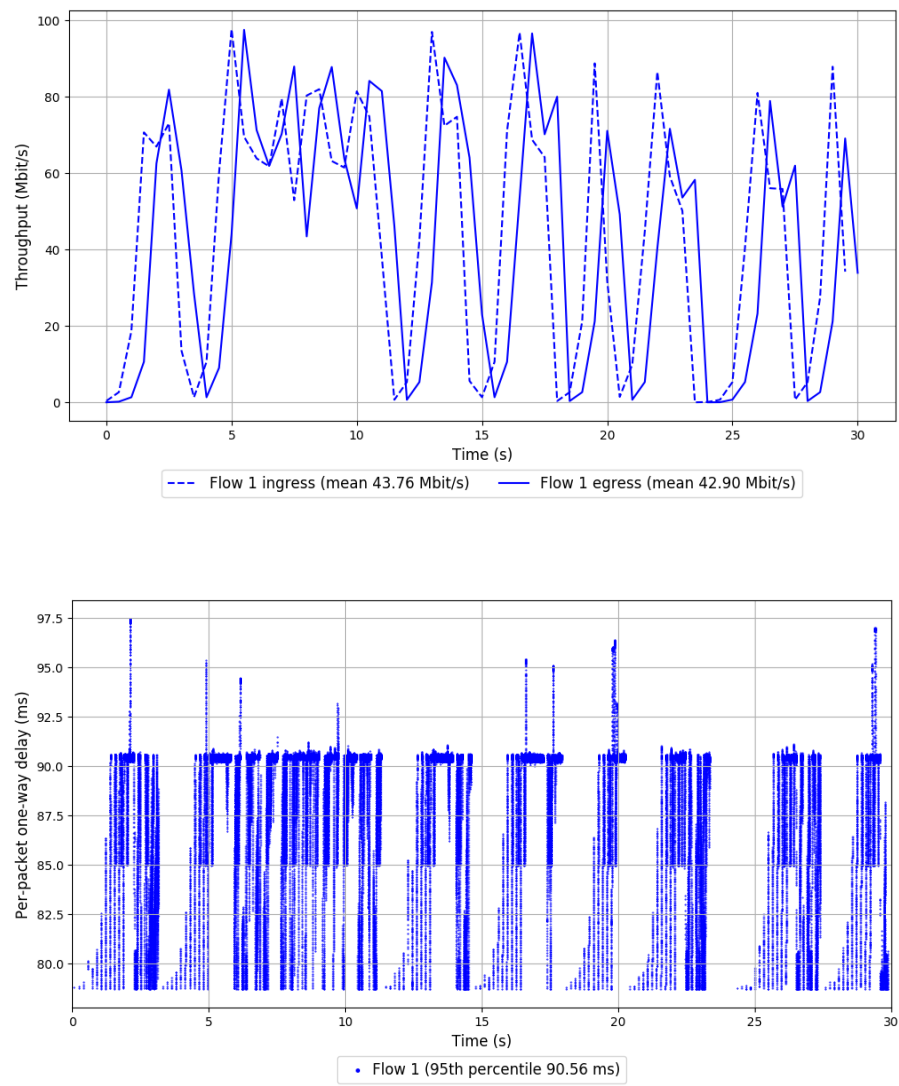
-- Flow 1:

Average throughput: 42.90 Mbit/s

95th percentile per-packet one-way delay: 90.556 ms

Loss rate: 2.69%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-24 23:45:05

End at: 2018-07-24 23:45:35

Local clock offset: -2.859 ms

Remote clock offset: 7.628 ms

Below is generated by plot.py at 2018-07-25 03:12:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.33 Mbit/s

95th percentile per-packet one-way delay: 82.324 ms

Loss rate: 0.70%

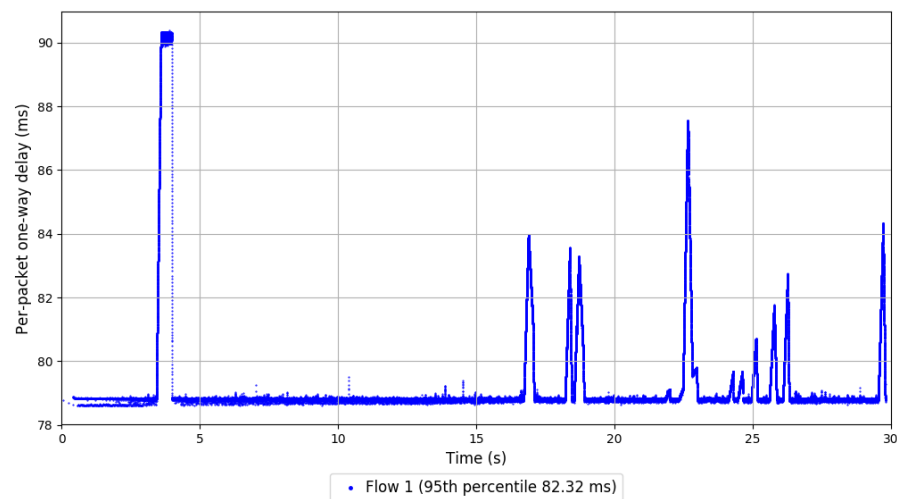
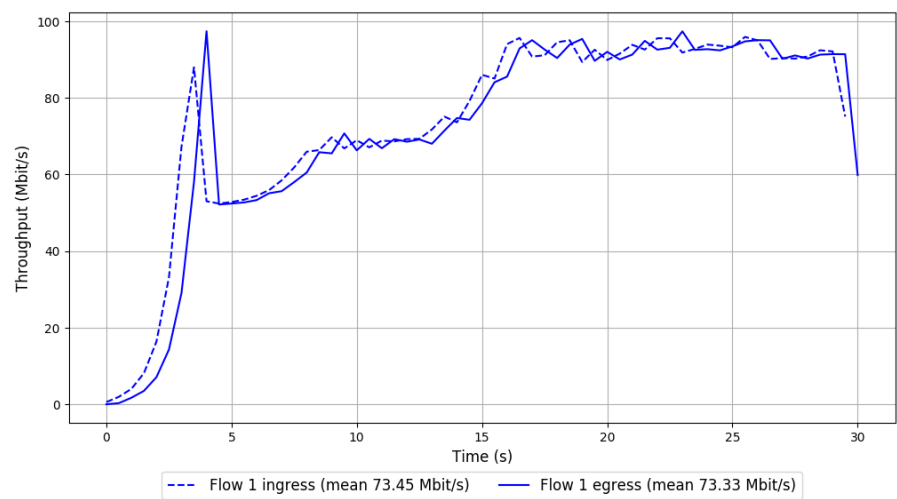
-- Flow 1:

Average throughput: 73.33 Mbit/s

95th percentile per-packet one-way delay: 82.324 ms

Loss rate: 0.70%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-25 00:04:55

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

Local clock offset: -2.944 ms

Remote clock offset: 8.541 ms

Below is generated by plot.py at 2018-07-25 03:12:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.88 Mbit/s

95th percentile per-packet one-way delay: 80.915 ms

Loss rate: 0.73%

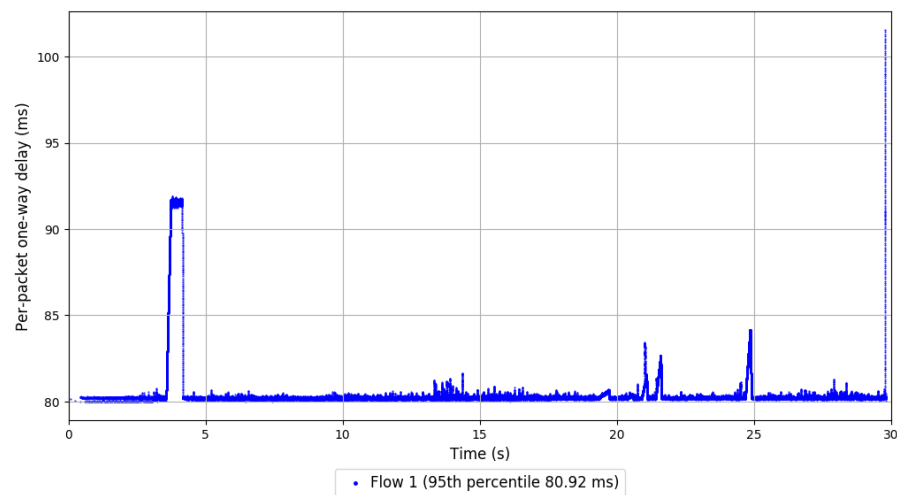
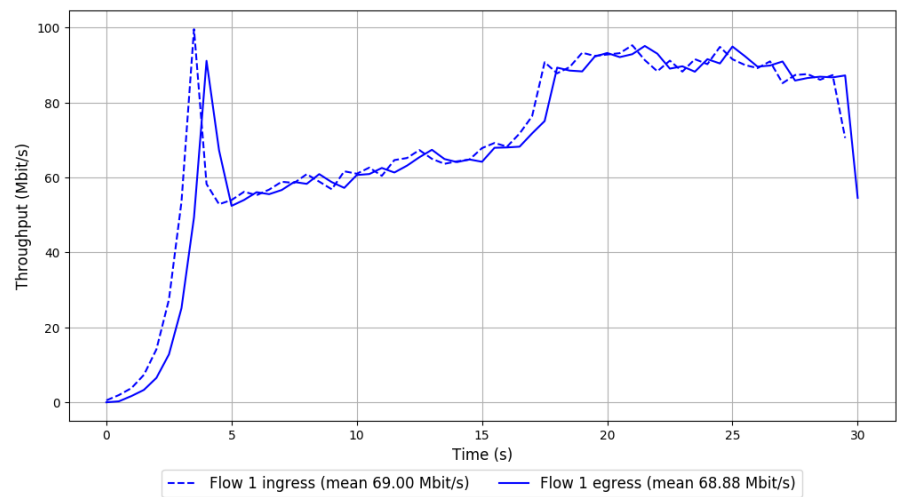
-- Flow 1:

Average throughput: 68.88 Mbit/s

95th percentile per-packet one-way delay: 80.915 ms

Loss rate: 0.73%

Run 2: Report of PCC-Vivace — Data Link

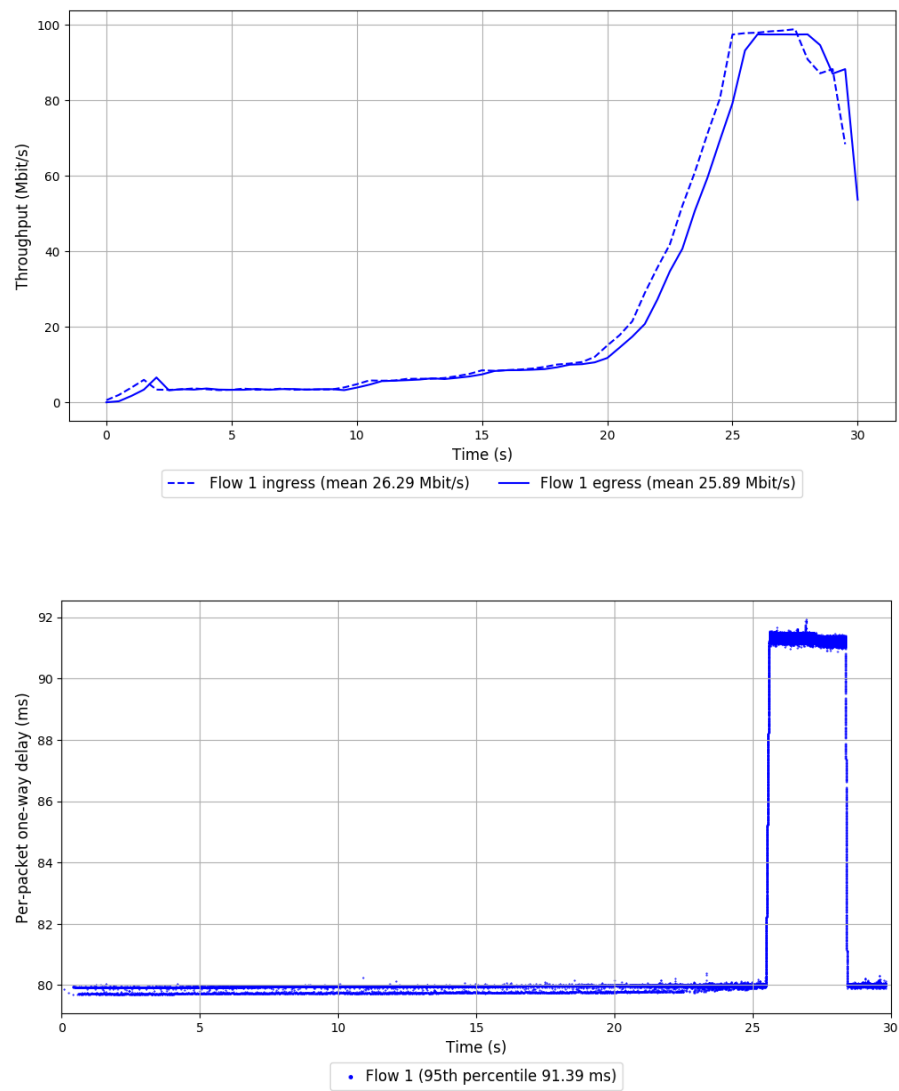


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-25 00:24:43
End at: 2018-07-25 00:25:13
Local clock offset: -3.052 ms
Remote clock offset: 15.882 ms

Below is generated by plot.py at 2018-07-25 03:12:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.89 Mbit/s
95th percentile per-packet one-way delay: 91.392 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 25.89 Mbit/s
95th percentile per-packet one-way delay: 91.392 ms
Loss rate: 2.08%

Run 3: Report of PCC-Vivace — Data Link

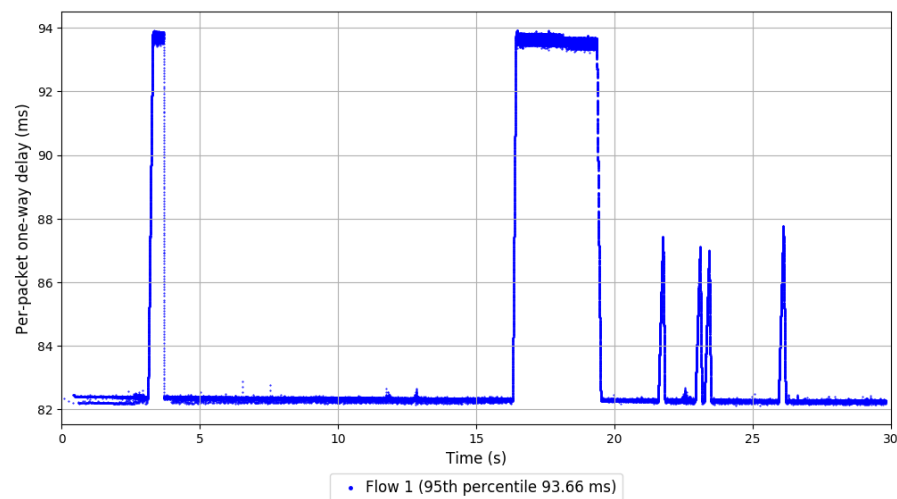
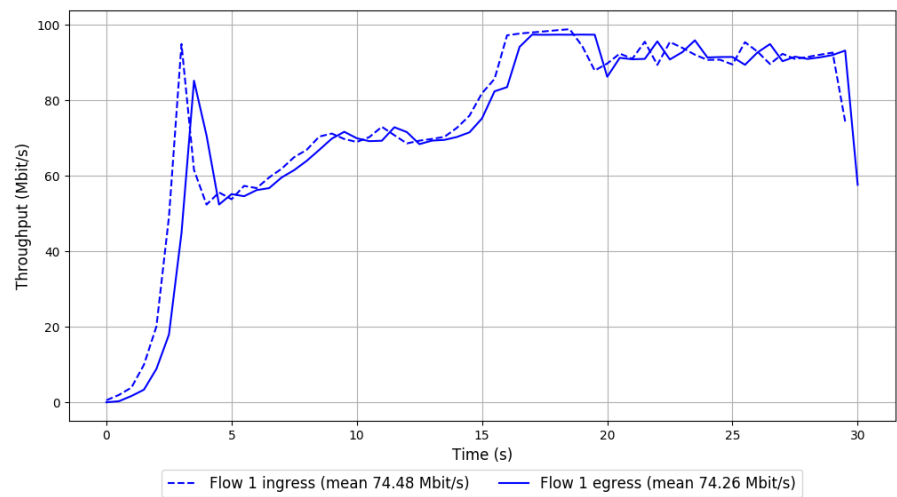


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-25 00:44:30
End at: 2018-07-25 00:45:00
Local clock offset: -2.985 ms
Remote clock offset: 12.685 ms

Below is generated by plot.py at 2018-07-25 03:12:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.26 Mbit/s
95th percentile per-packet one-way delay: 93.656 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 74.26 Mbit/s
95th percentile per-packet one-way delay: 93.656 ms
Loss rate: 0.83%

Run 4: Report of PCC-Vivace — Data Link

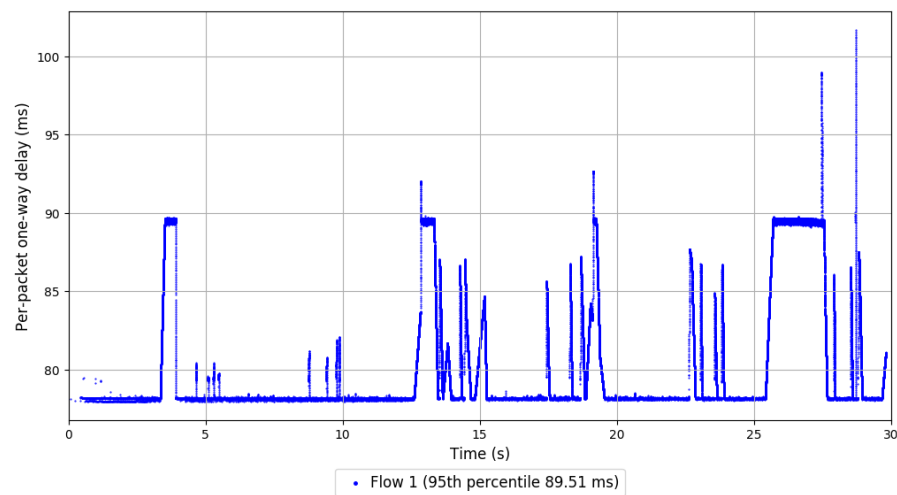
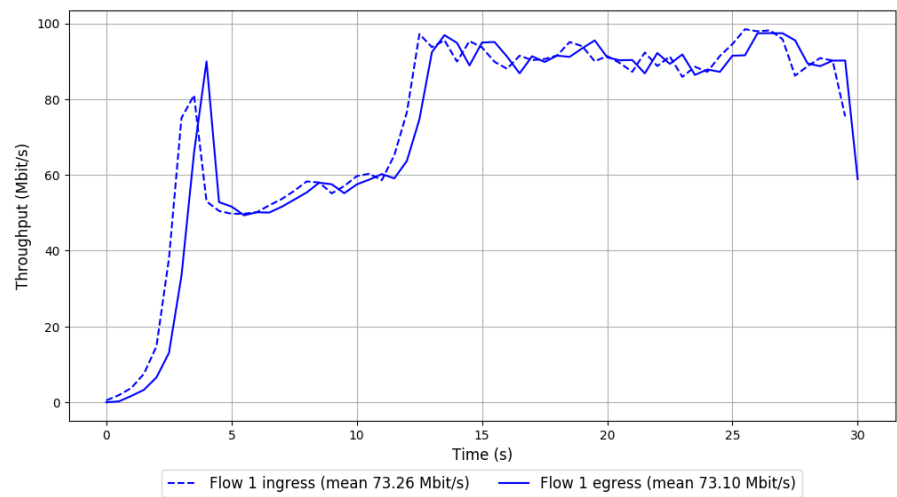


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-25 01:04:22
End at: 2018-07-25 01:04:52
Local clock offset: -2.898 ms
Remote clock offset: 15.687 ms

Below is generated by plot.py at 2018-07-25 03:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.10 Mbit/s
95th percentile per-packet one-way delay: 89.509 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 73.10 Mbit/s
95th percentile per-packet one-way delay: 89.509 ms
Loss rate: 0.77%

Run 5: Report of PCC-Vivace — Data Link

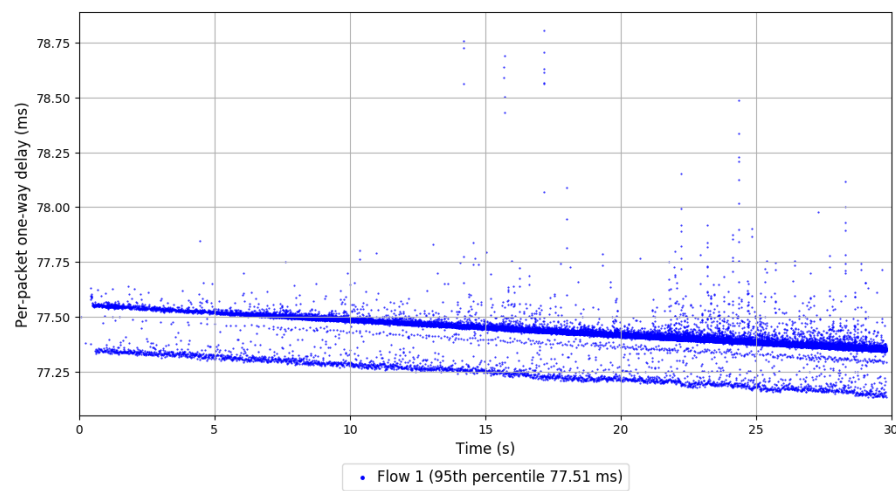
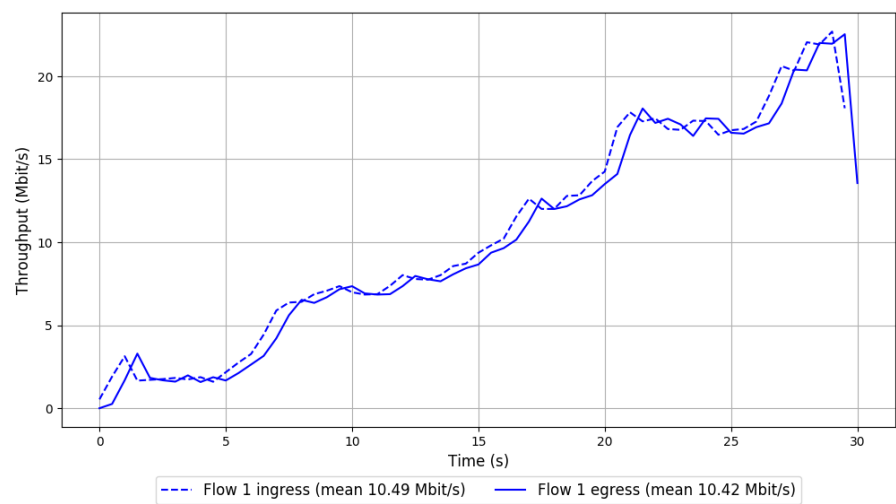


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-25 01:24:11
End at: 2018-07-25 01:24:41
Local clock offset: -2.753 ms
Remote clock offset: 10.868 ms

Below is generated by plot.py at 2018-07-25 03:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.42 Mbit/s
95th percentile per-packet one-way delay: 77.513 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 10.42 Mbit/s
95th percentile per-packet one-way delay: 77.513 ms
Loss rate: 1.26%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-25 01:43:57

End at: 2018-07-25 01:44:27

Local clock offset: -2.862 ms

Remote clock offset: 6.227 ms

Below is generated by plot.py at 2018-07-25 03:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.00 Mbit/s

95th percentile per-packet one-way delay: 78.252 ms

Loss rate: 1.39%

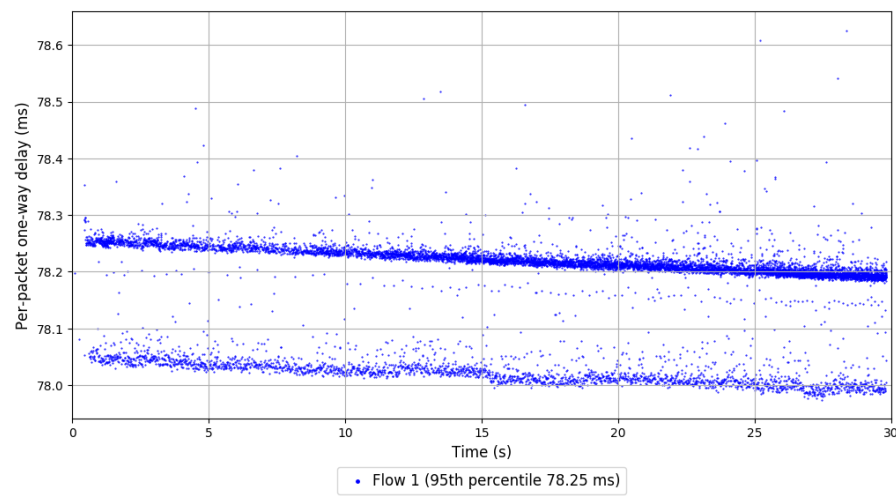
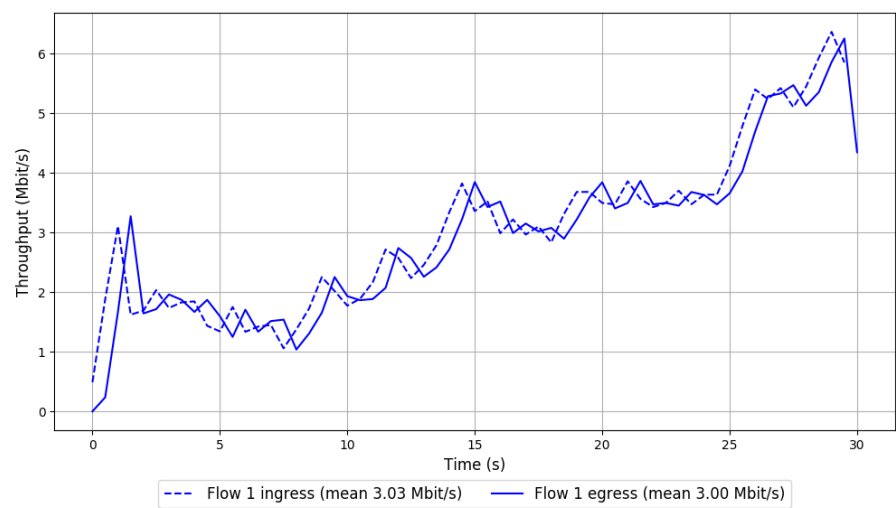
-- Flow 1:

Average throughput: 3.00 Mbit/s

95th percentile per-packet one-way delay: 78.252 ms

Loss rate: 1.39%

Run 7: Report of PCC-Vivace — Data Link

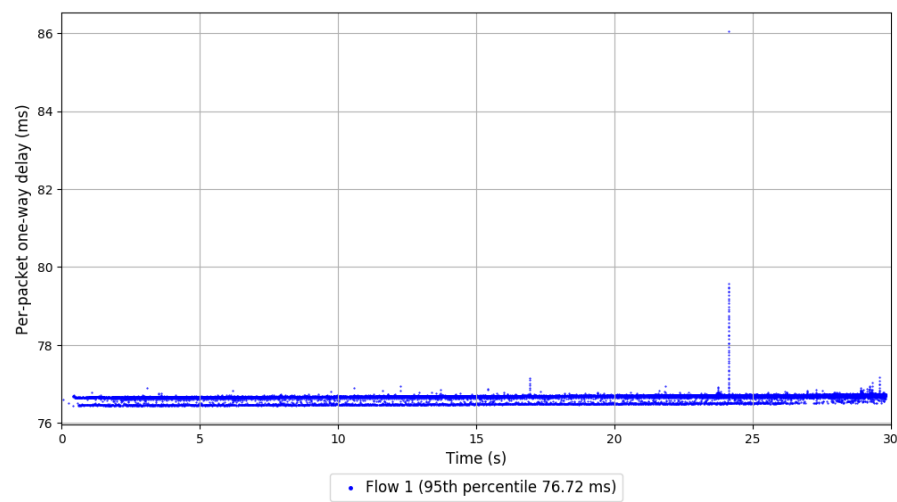
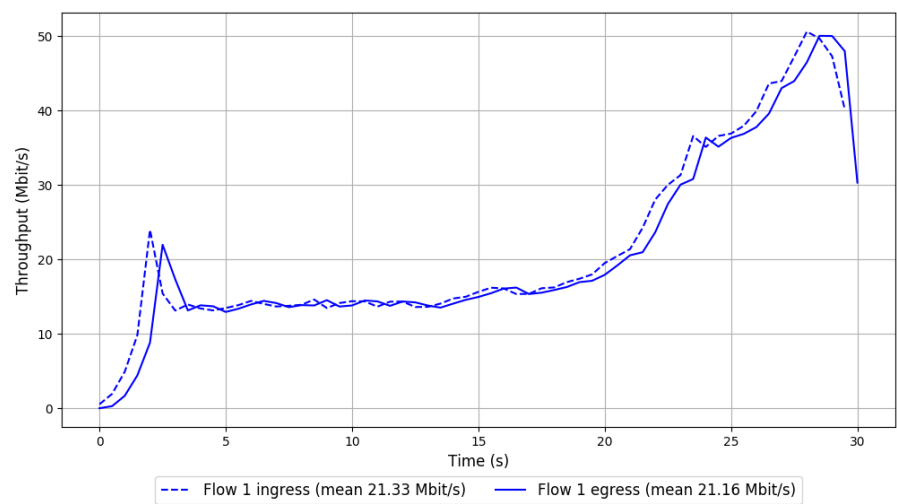


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-25 02:03:40
End at: 2018-07-25 02:04:10
Local clock offset: -2.871 ms
Remote clock offset: 12.518 ms

Below is generated by plot.py at 2018-07-25 03:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.16 Mbit/s
95th percentile per-packet one-way delay: 76.718 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 21.16 Mbit/s
95th percentile per-packet one-way delay: 76.718 ms
Loss rate: 1.33%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-25 02:23:19

End at: 2018-07-25 02:23:49

Local clock offset: -2.657 ms

Remote clock offset: 9.095 ms

Below is generated by plot.py at 2018-07-25 03:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.91 Mbit/s

95th percentile per-packet one-way delay: 82.151 ms

Loss rate: 0.71%

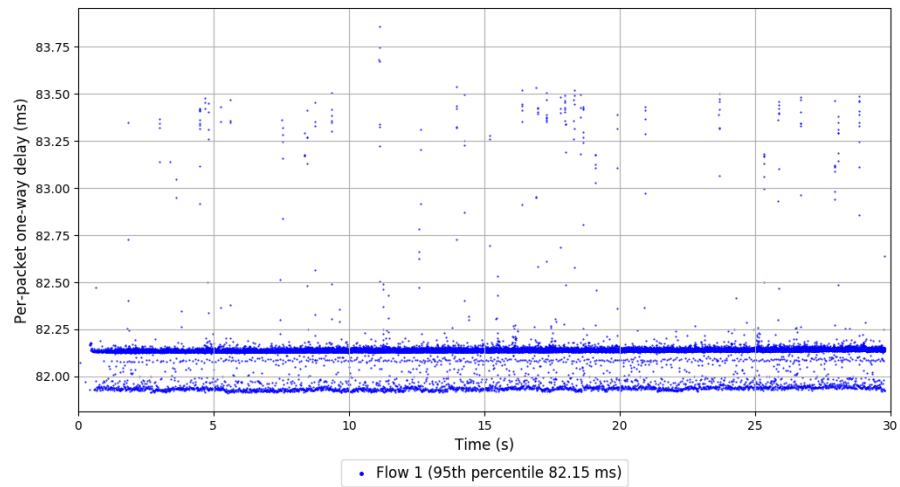
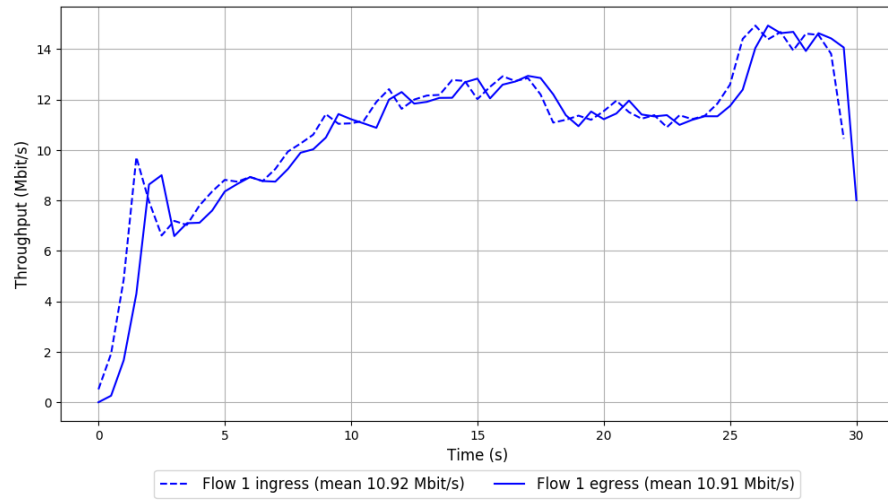
-- Flow 1:

Average throughput: 10.91 Mbit/s

95th percentile per-packet one-way delay: 82.151 ms

Loss rate: 0.71%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-25 02:43:04

End at: 2018-07-25 02:43:34

Local clock offset: -2.631 ms

Remote clock offset: 10.621 ms

Below is generated by plot.py at 2018-07-25 03:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.70 Mbit/s

95th percentile per-packet one-way delay: 77.362 ms

Loss rate: 0.73%

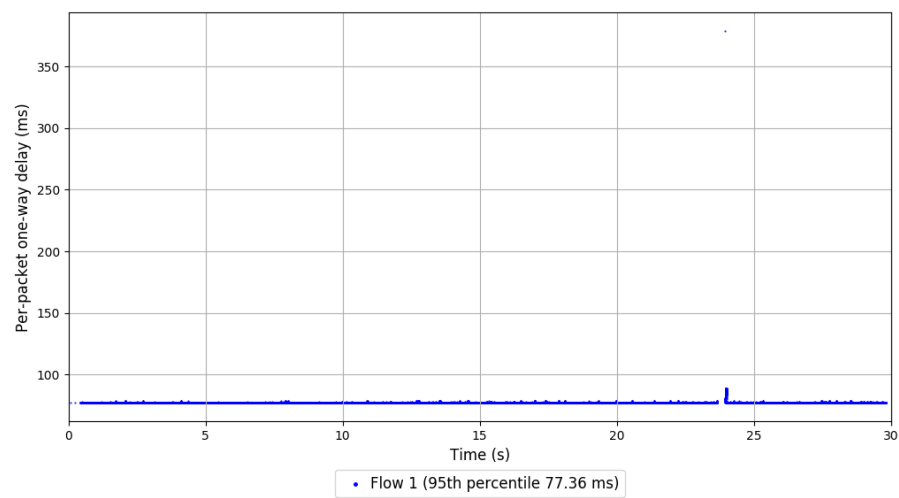
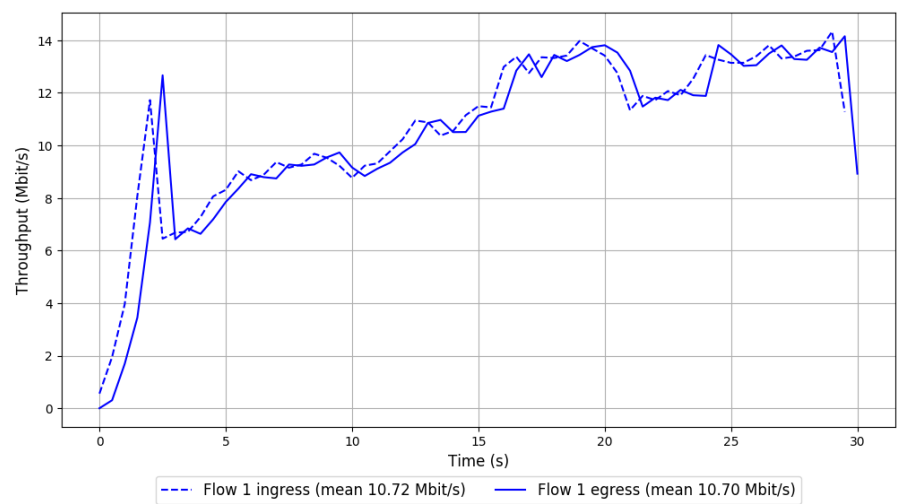
-- Flow 1:

Average throughput: 10.70 Mbit/s

95th percentile per-packet one-way delay: 77.362 ms

Loss rate: 0.73%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-24 23:41:39

End at: 2018-07-24 23:42:09

Local clock offset: -2.943 ms

Remote clock offset: 5.127 ms

Below is generated by plot.py at 2018-07-25 03:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 83.959 ms

Loss rate: 0.32%

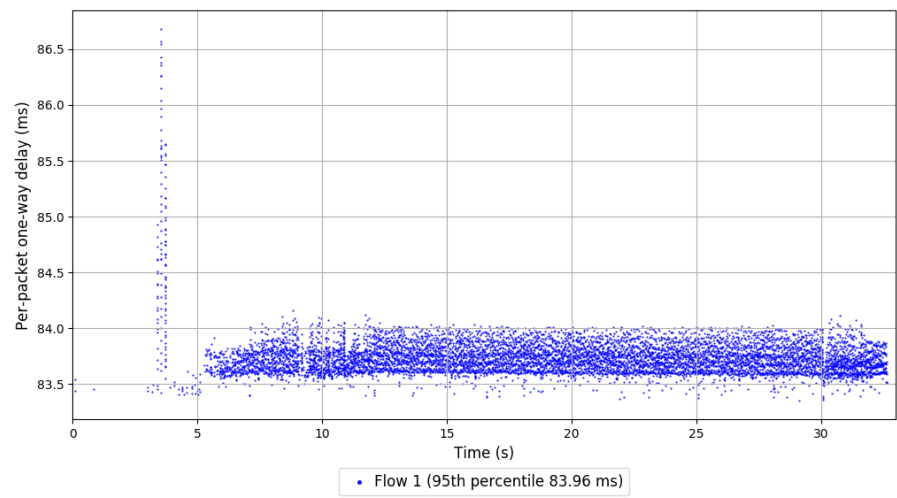
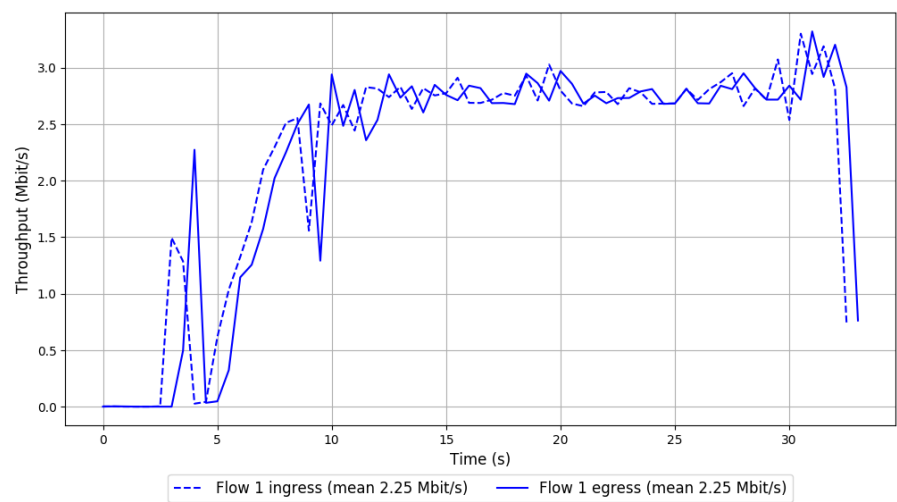
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 83.959 ms

Loss rate: 0.32%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-25 00:01:29

End at: 2018-07-25 00:01:59

Local clock offset: -2.974 ms

Remote clock offset: 4.72 ms

Below is generated by plot.py at 2018-07-25 03:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 81.774 ms

Loss rate: 0.32%

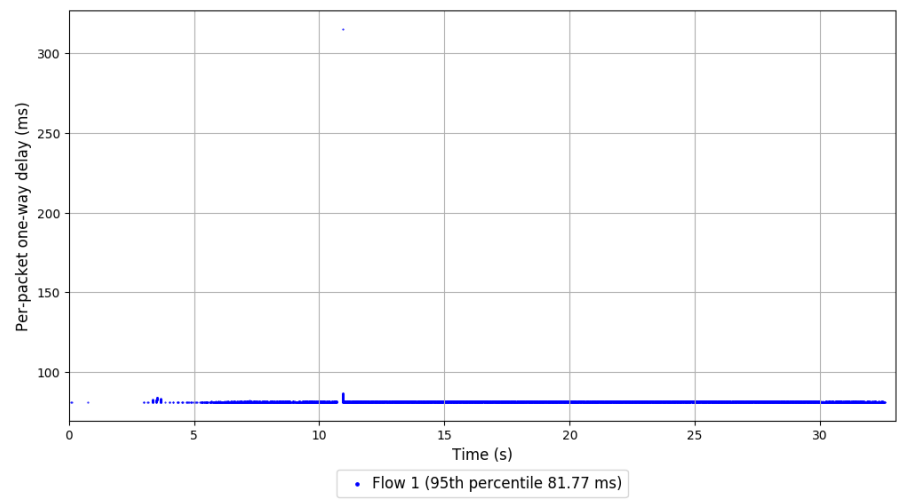
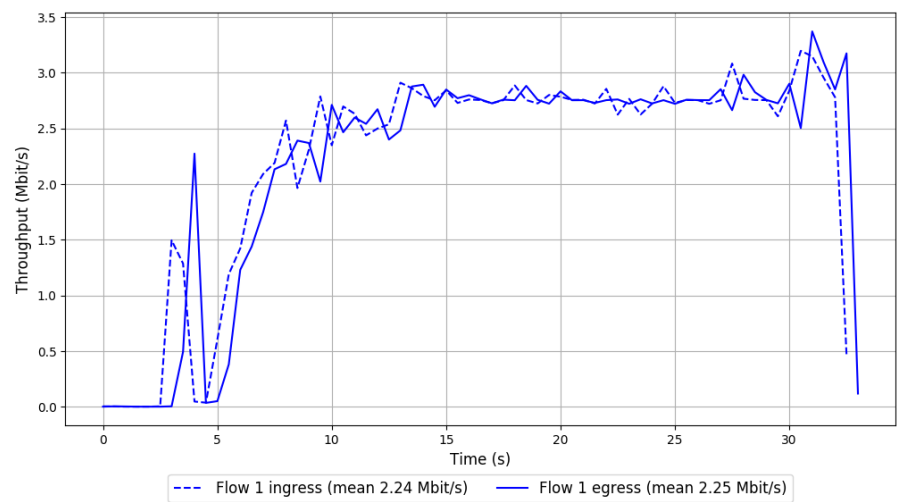
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 81.774 ms

Loss rate: 0.32%

Run 2: Report of WebRTC media — Data Link

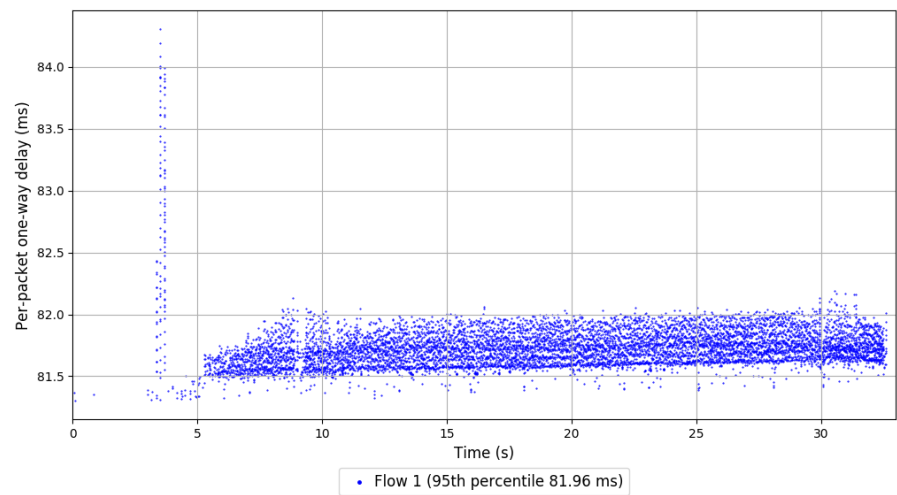
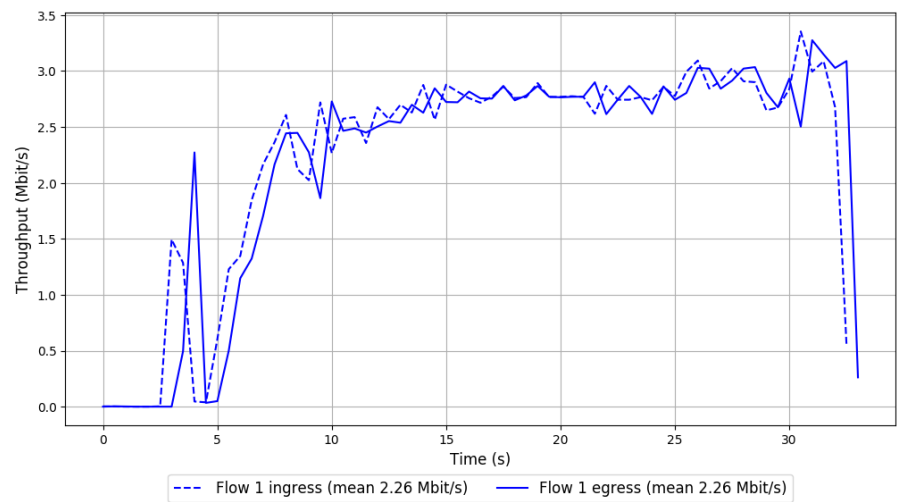


Run 3: Statistics of WebRTC media

Start at: 2018-07-25 00:21:16
End at: 2018-07-25 00:21:46
Local clock offset: -3.026 ms
Remote clock offset: 11.339 ms

Below is generated by plot.py at 2018-07-25 03:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 81.959 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 81.959 ms
Loss rate: 0.26%

Run 3: Report of WebRTC media — Data Link

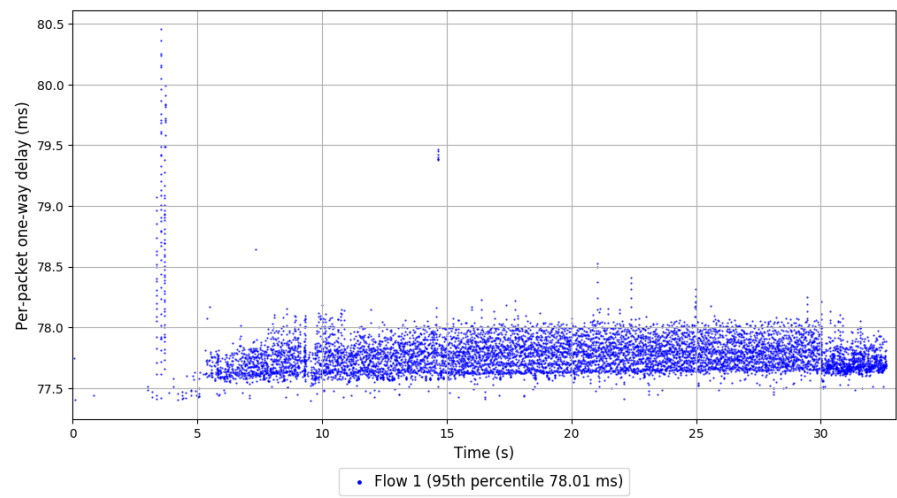
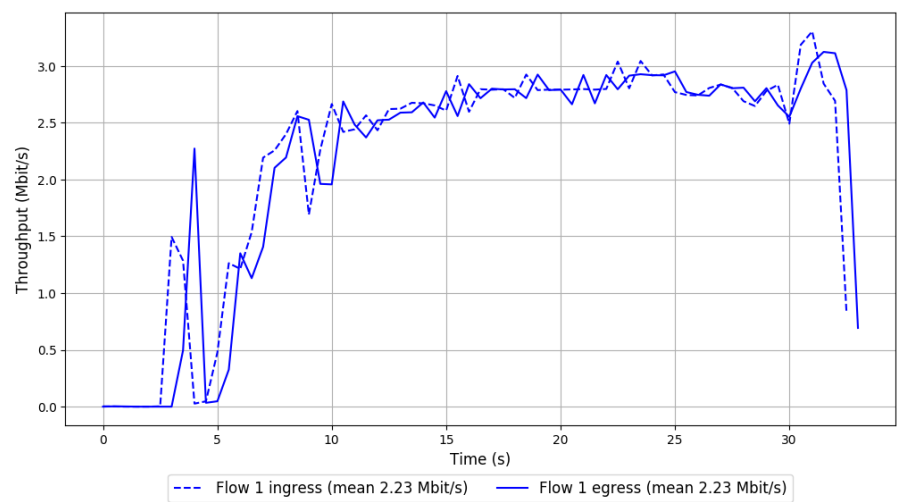


Run 4: Statistics of WebRTC media

Start at: 2018-07-25 00:41:04
End at: 2018-07-25 00:41:34
Local clock offset: -2.972 ms
Remote clock offset: 18.352 ms

Below is generated by plot.py at 2018-07-25 03:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 78.006 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 78.006 ms
Loss rate: 0.36%

Run 4: Report of WebRTC media — Data Link

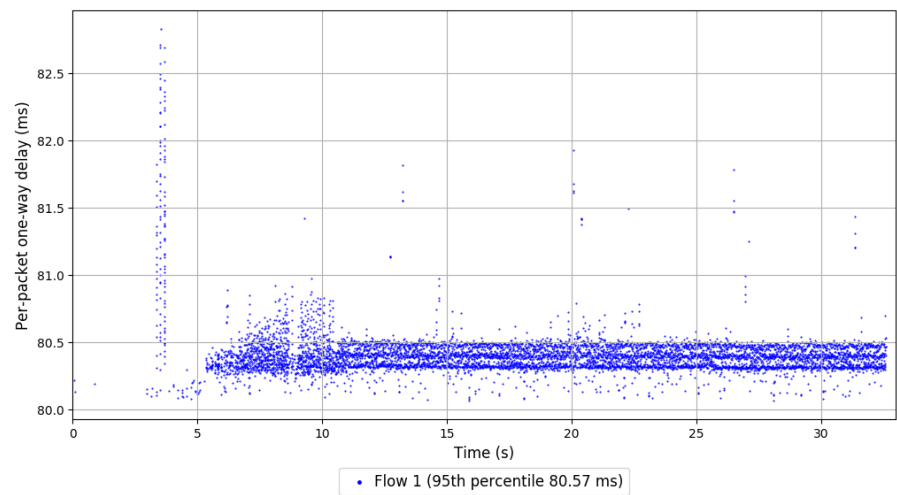
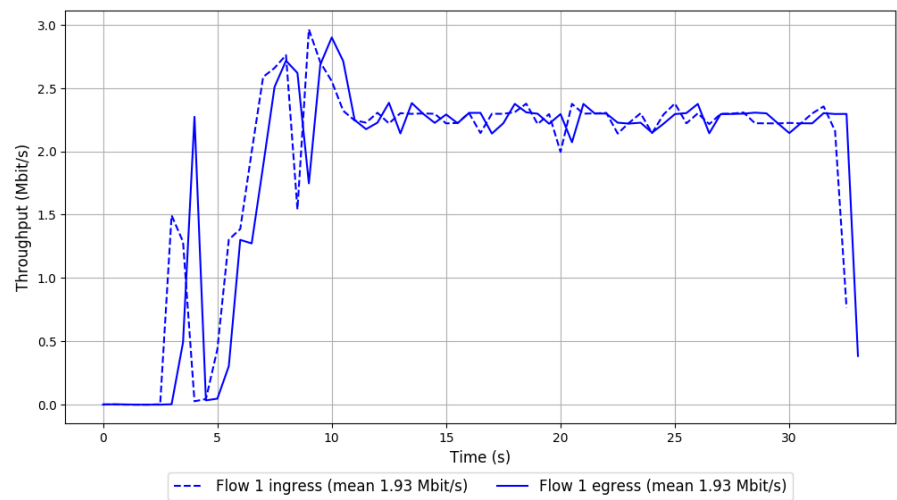


Run 5: Statistics of WebRTC media

Start at: 2018-07-25 01:00:55
End at: 2018-07-25 01:01:25
Local clock offset: -3.022 ms
Remote clock offset: 15.158 ms

Below is generated by plot.py at 2018-07-25 03:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 80.566 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 80.566 ms
Loss rate: 0.55%

Run 5: Report of WebRTC media — Data Link

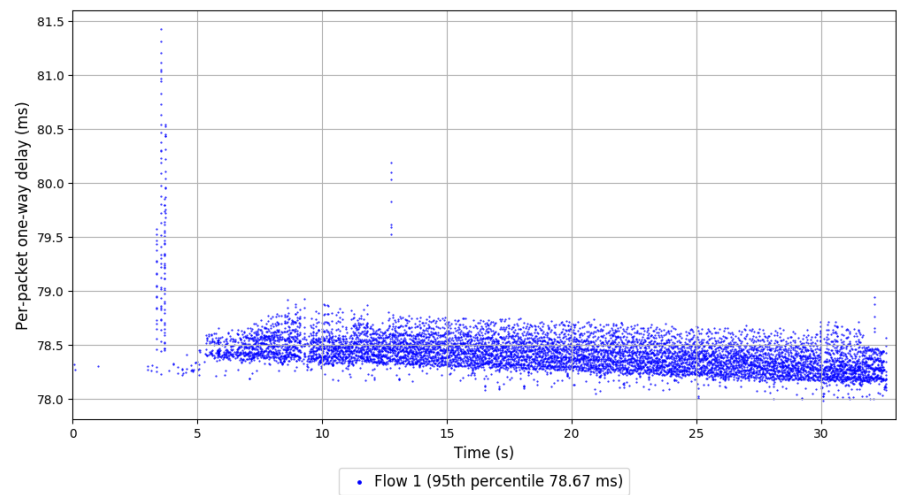
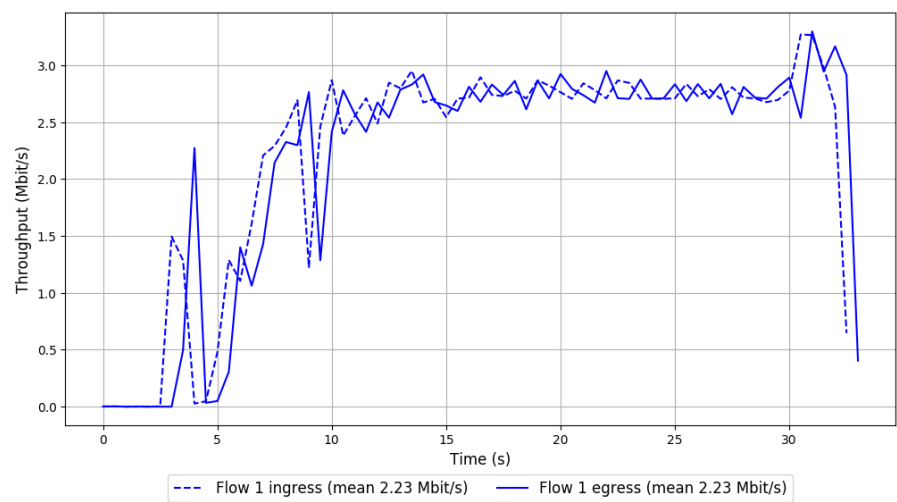


Run 6: Statistics of WebRTC media

Start at: 2018-07-25 01:20:44
End at: 2018-07-25 01:21:14
Local clock offset: -2.846 ms
Remote clock offset: 11.441 ms

Below is generated by plot.py at 2018-07-25 03:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 78.671 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 78.671 ms
Loss rate: 0.31%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-25 01:40:30

End at: 2018-07-25 01:41:00

Local clock offset: -2.856 ms

Remote clock offset: 5.723 ms

Below is generated by plot.py at 2018-07-25 03:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 79.127 ms

Loss rate: 0.30%

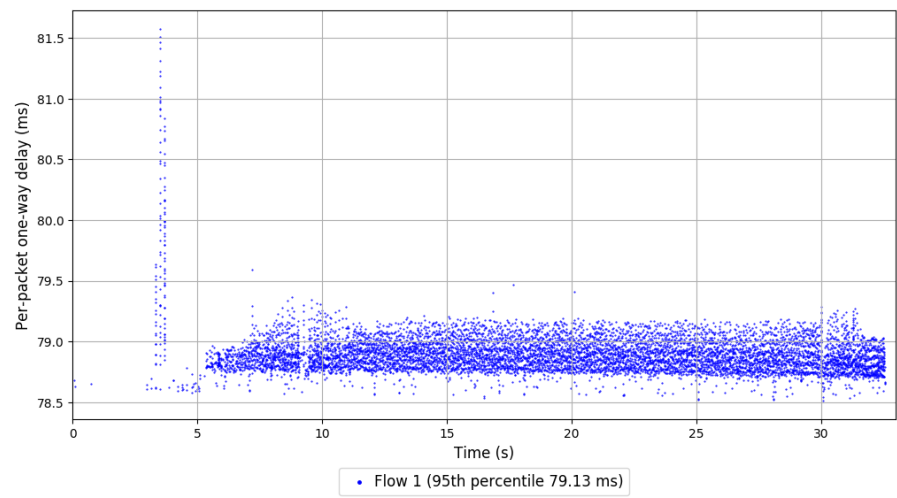
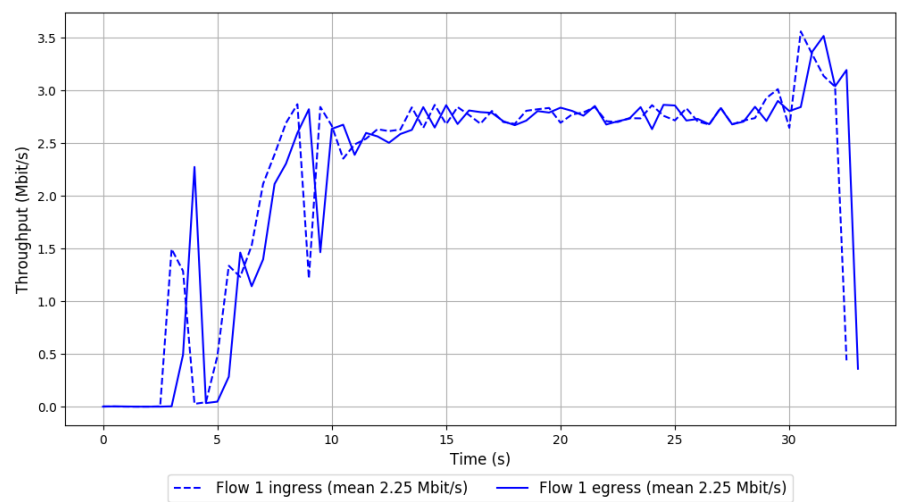
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 79.127 ms

Loss rate: 0.30%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-25 02:00:14

End at: 2018-07-25 02:00:44

Local clock offset: -2.922 ms

Remote clock offset: 5.827 ms

Below is generated by plot.py at 2018-07-25 03:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 85.010 ms

Loss rate: 0.28%

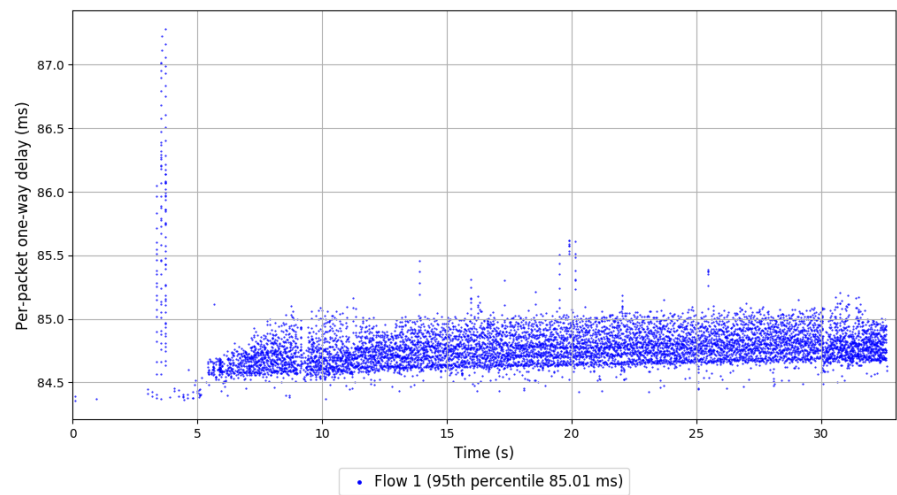
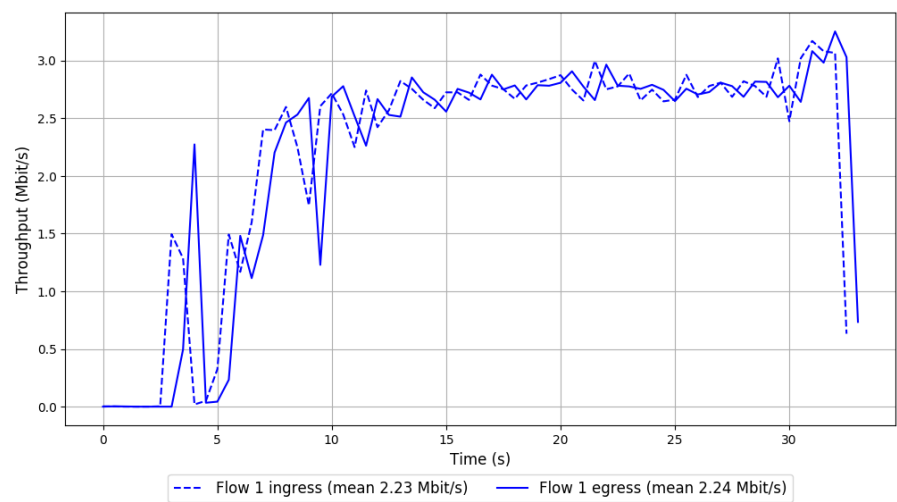
-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 85.010 ms

Loss rate: 0.28%

Run 8: Report of WebRTC media — Data Link

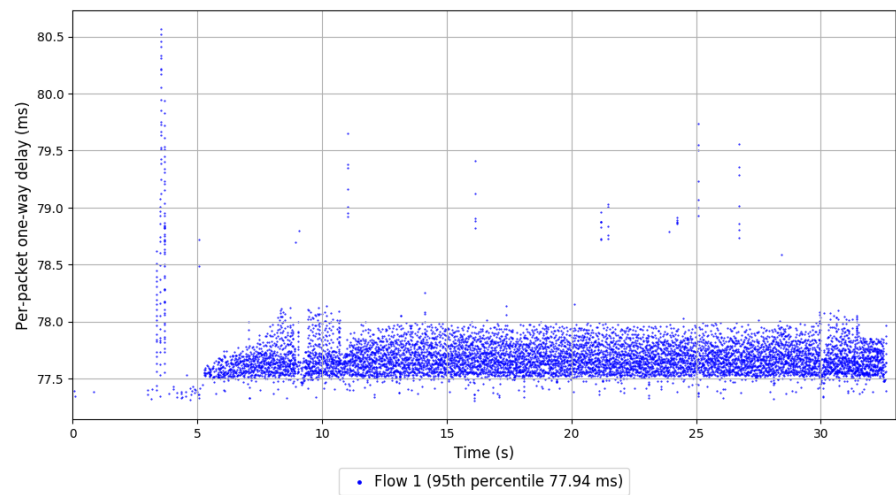
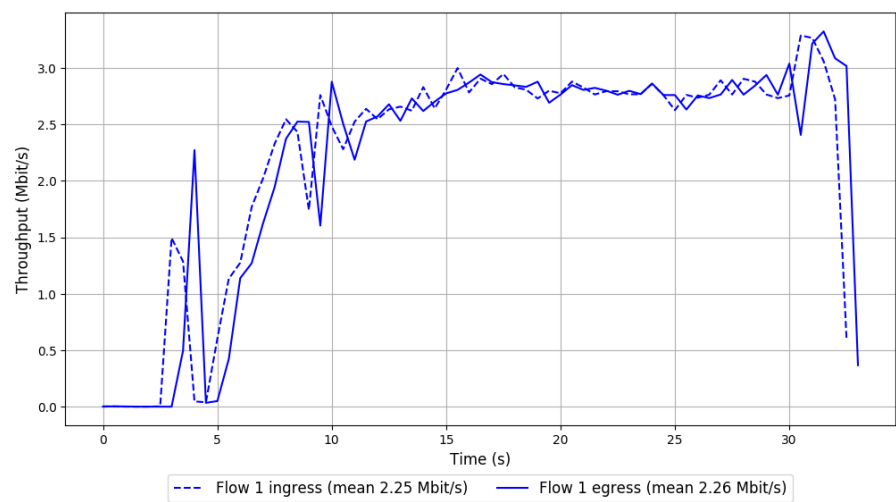


Run 9: Statistics of WebRTC media

Start at: 2018-07-25 02:19:53
End at: 2018-07-25 02:20:23
Local clock offset: -2.697 ms
Remote clock offset: 12.989 ms

Below is generated by plot.py at 2018-07-25 03:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 77.936 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 77.936 ms
Loss rate: 0.30%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-25 02:39:38

End at: 2018-07-25 02:40:08

Local clock offset: -2.636 ms

Remote clock offset: 10.724 ms

Below is generated by plot.py at 2018-07-25 03:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 77.921 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 77.921 ms

Loss rate: 0.61%

Run 10: Report of WebRTC media — Data Link

