

Pantheon Report

Generated at 2018-05-22 13:07:01 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

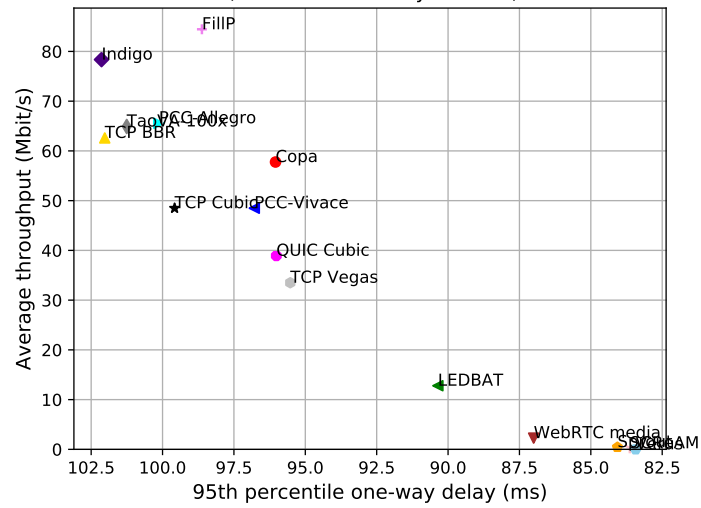
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

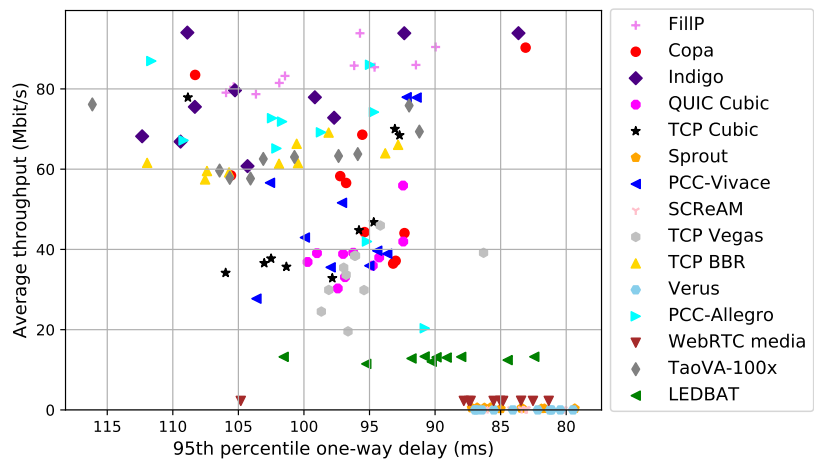
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
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-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	62.61	102.02	0.60
Copa	10	57.76	96.04	0.72
TCP Cubic	10	48.48	99.58	0.61
FillP	10	84.45	98.62	0.56
Indigo	10	78.36	102.14	0.76
LEDBAT	10	12.79	90.36	1.10
PCC-Allegro	10	65.56	100.13	0.71
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	10	38.92	96.02	0.58
SCReAM	10	0.21	83.63	0.55
Sprout	10	0.44	84.07	0.34
TaoVA-100x	10	64.91	101.26	0.59
TCP Vegas	10	33.49	95.53	0.49
Verus	10	0.00	83.43	0.00
PCC-Vivace	10	48.48	96.79	0.62
WebRTC media	10	2.25	87.00	0.62

Run 1: Statistics of TCP BBR

Start at: 2018-05-22 10:09:02

End at: 2018-05-22 10:09:32

Local clock offset: -3.162 ms

Remote clock offset: 8.708 ms

Below is generated by plot.py at 2018-05-22 12:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.45 Mbit/s

95th percentile per-packet one-way delay: 107.538 ms

Loss rate: 0.64%

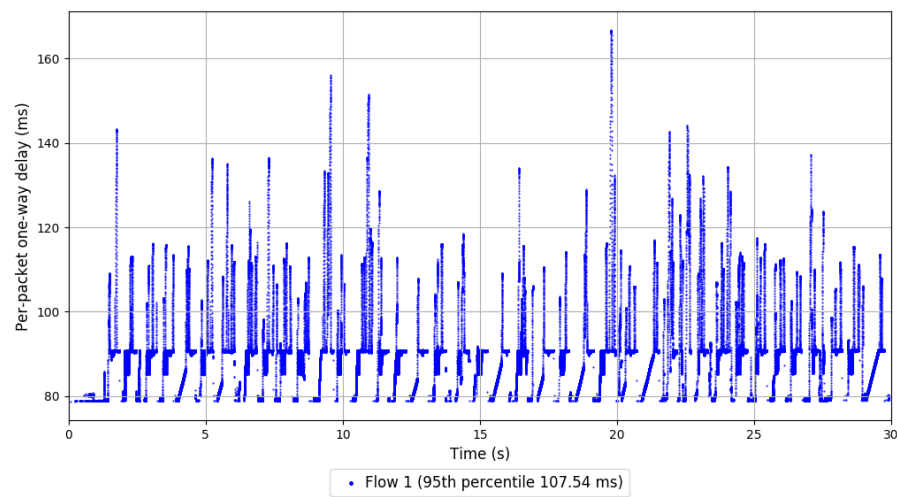
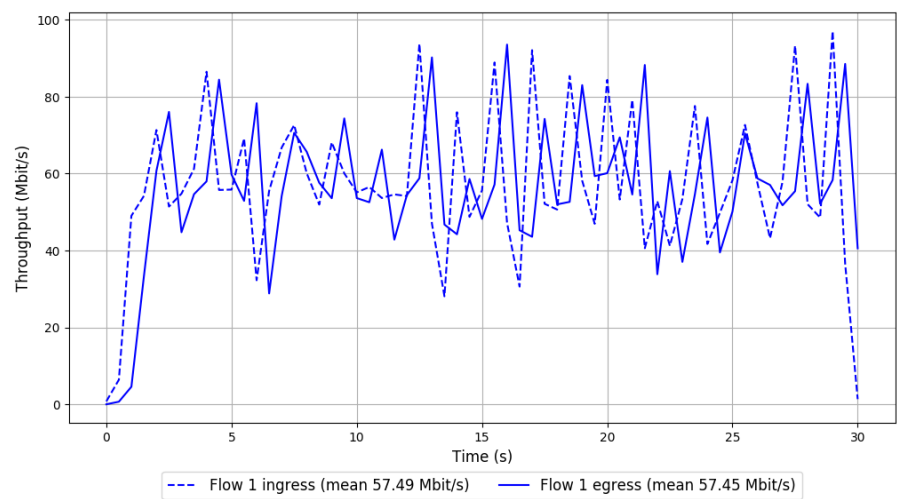
-- Flow 1:

Average throughput: 57.45 Mbit/s

95th percentile per-packet one-way delay: 107.538 ms

Loss rate: 0.64%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-22 10:27:19

End at: 2018-05-22 10:27:49

Local clock offset: -2.039 ms

Remote clock offset: 9.079 ms

Below is generated by plot.py at 2018-05-22 12:56:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.57 Mbit/s

95th percentile per-packet one-way delay: 111.956 ms

Loss rate: 0.27%

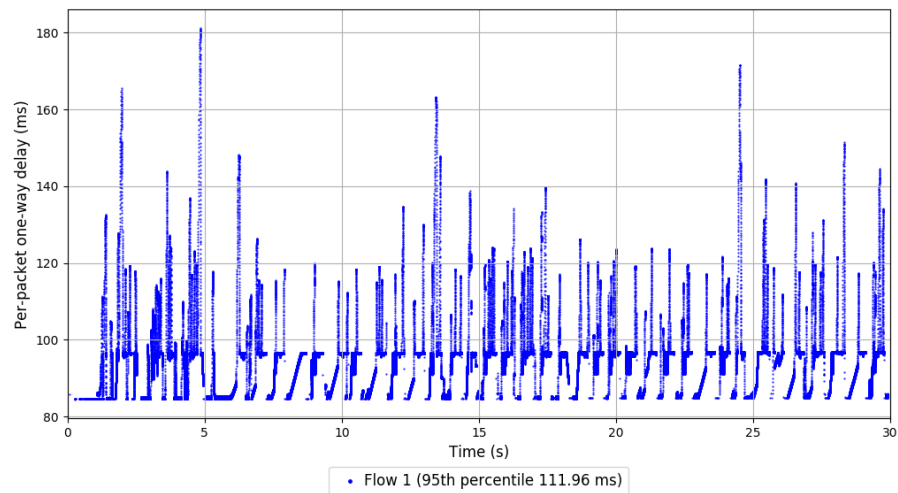
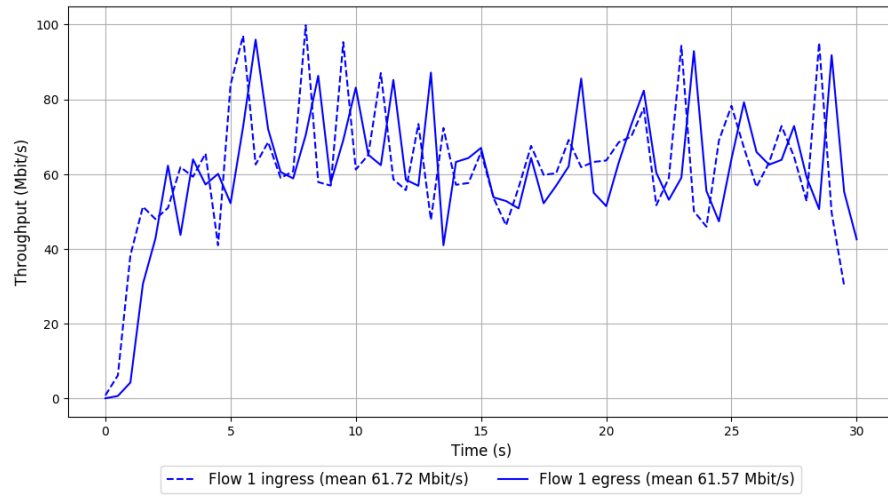
-- Flow 1:

Average throughput: 61.57 Mbit/s

95th percentile per-packet one-way delay: 111.956 ms

Loss rate: 0.27%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-22 10:45:37

End at: 2018-05-22 10:46:07

Local clock offset: -6.969 ms

Remote clock offset: 10.74 ms

Below is generated by plot.py at 2018-05-22 12:56:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.48 Mbit/s

95th percentile per-packet one-way delay: 100.454 ms

Loss rate: 1.06%

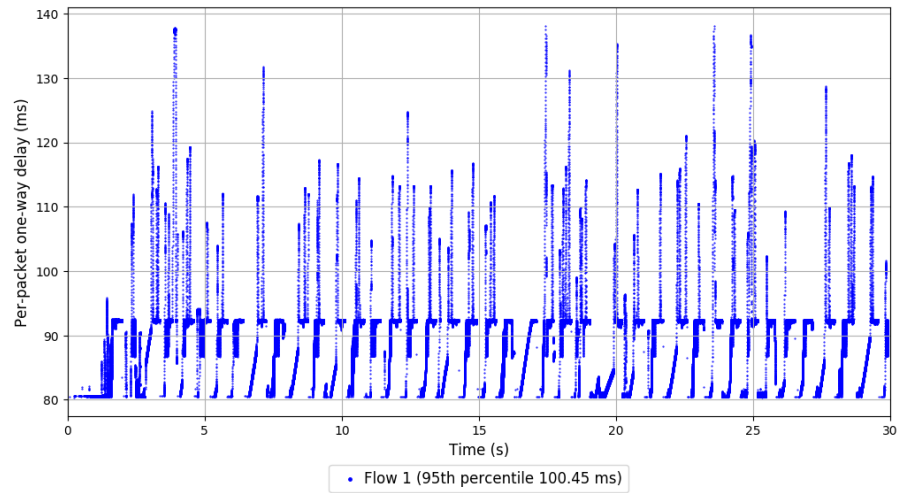
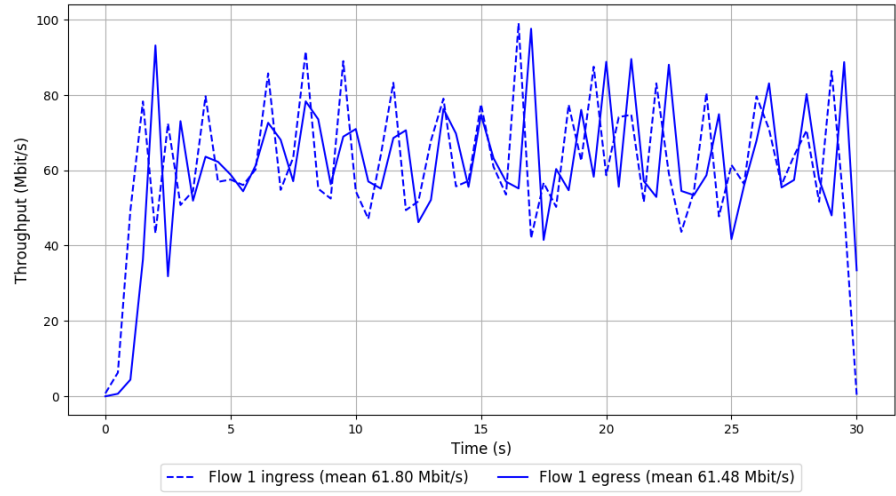
-- Flow 1:

Average throughput: 61.48 Mbit/s

95th percentile per-packet one-way delay: 100.454 ms

Loss rate: 1.06%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-22 11:04:00

End at: 2018-05-22 11:04:30

Local clock offset: -7.089 ms

Remote clock offset: 2.691 ms

Below is generated by plot.py at 2018-05-22 12:56:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.12 Mbit/s

95th percentile per-packet one-way delay: 98.117 ms

Loss rate: 0.93%

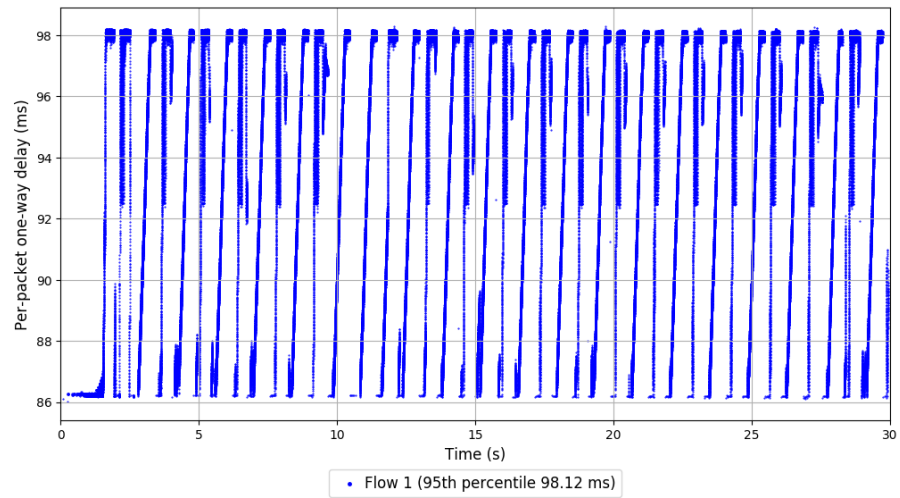
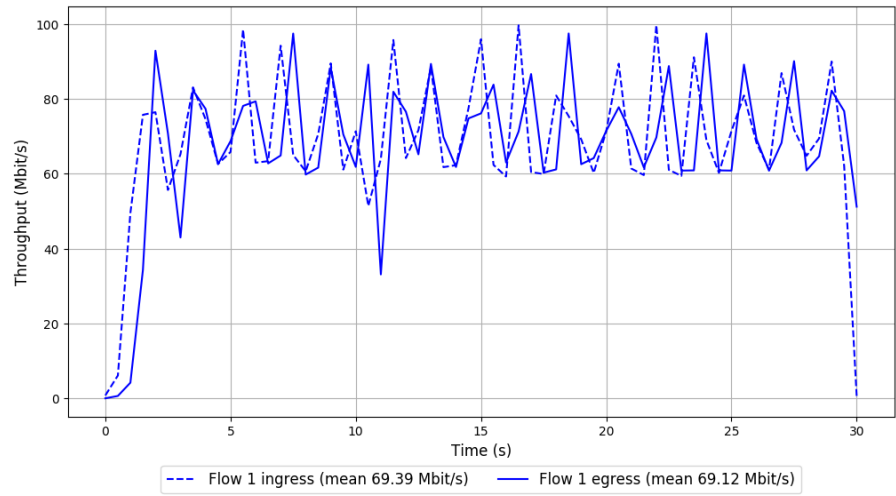
-- Flow 1:

Average throughput: 69.12 Mbit/s

95th percentile per-packet one-way delay: 98.117 ms

Loss rate: 0.93%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-22 11:22:28

End at: 2018-05-22 11:22:58

Local clock offset: -8.062 ms

Remote clock offset: 8.704 ms

Below is generated by plot.py at 2018-05-22 12:56:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.33 Mbit/s

95th percentile per-packet one-way delay: 100.555 ms

Loss rate: 0.21%

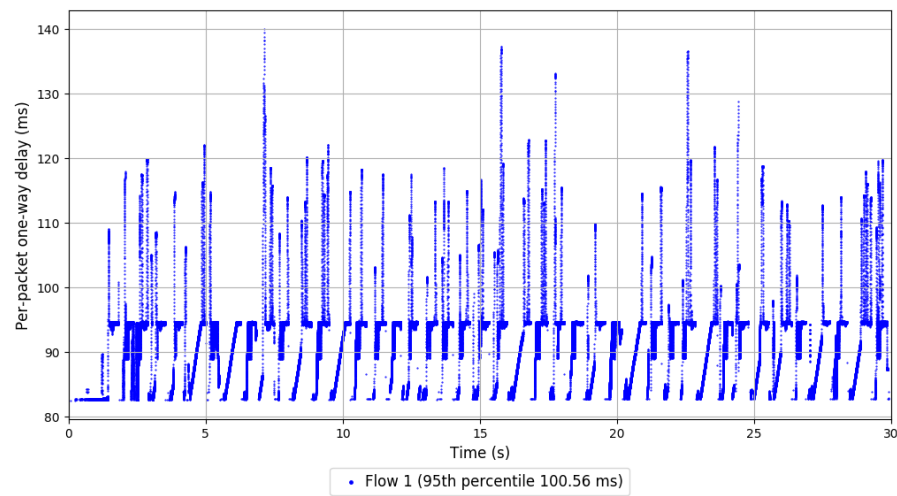
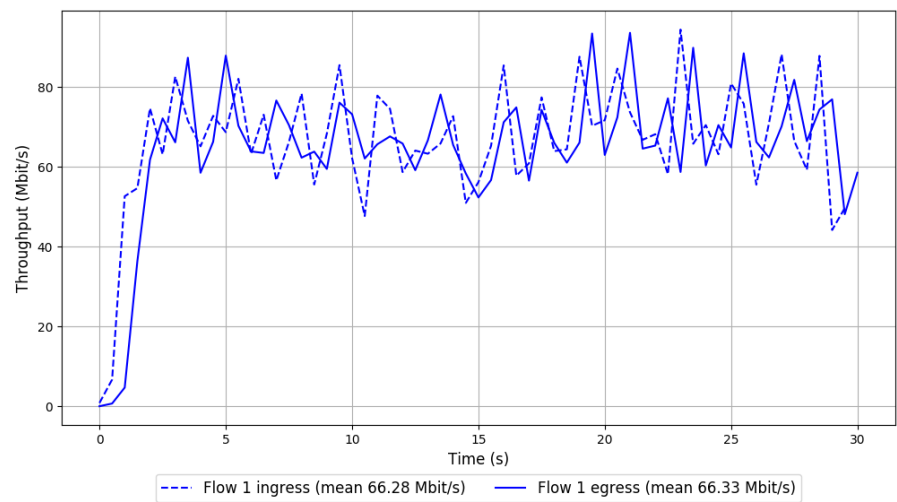
-- Flow 1:

Average throughput: 66.33 Mbit/s

95th percentile per-packet one-way delay: 100.555 ms

Loss rate: 0.21%

Run 5: Report of TCP BBR — Data Link

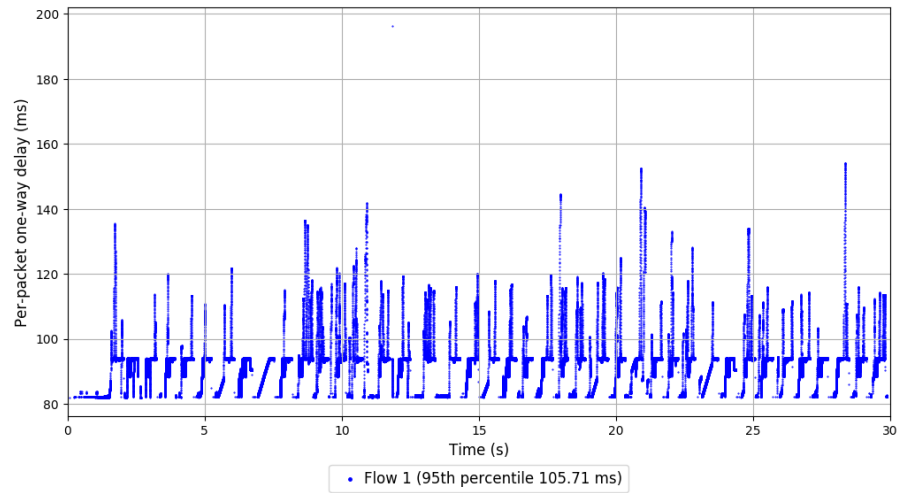
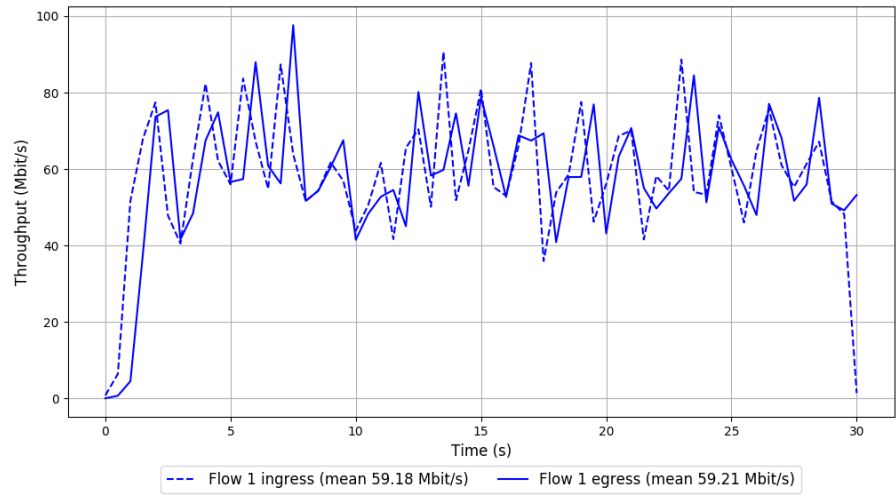


Run 6: Statistics of TCP BBR

Start at: 2018-05-22 11:40:48
End at: 2018-05-22 11:41:18
Local clock offset: -7.852 ms
Remote clock offset: 11.299 ms

Below is generated by plot.py at 2018-05-22 12:56:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 105.711 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 105.711 ms
Loss rate: 0.62%

Run 6: Report of TCP BBR — Data Link

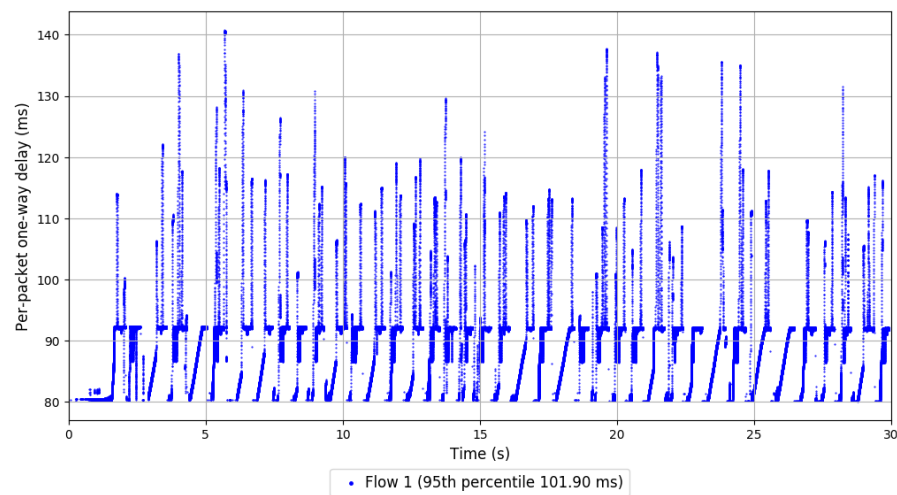
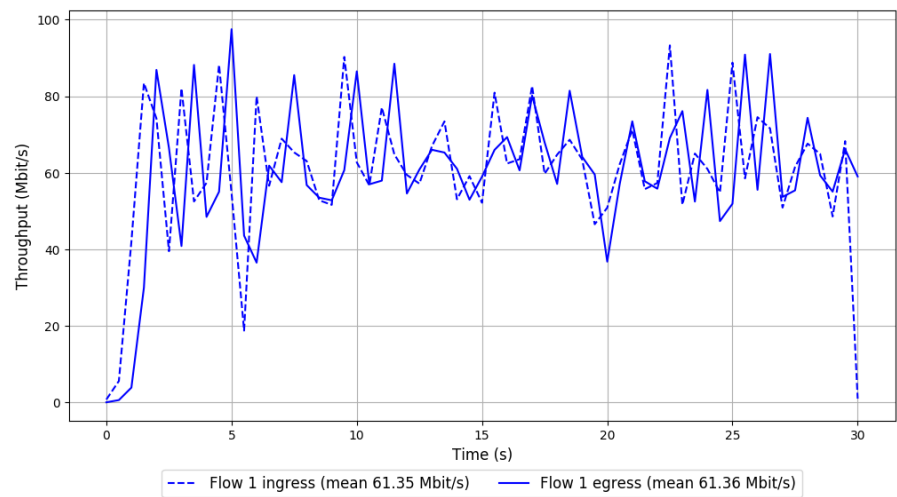


Run 7: Statistics of TCP BBR

Start at: 2018-05-22 11:59:04
End at: 2018-05-22 11:59:34
Local clock offset: -6.536 ms
Remote clock offset: 14.458 ms

Below is generated by plot.py at 2018-05-22 12:56:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.36 Mbit/s
95th percentile per-packet one-way delay: 101.899 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 61.36 Mbit/s
95th percentile per-packet one-way delay: 101.899 ms
Loss rate: 0.53%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-22 12:17:22

End at: 2018-05-22 12:17:52

Local clock offset: -1.319 ms

Remote clock offset: 14.53 ms

Below is generated by plot.py at 2018-05-22 12:56:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.54 Mbit/s

95th percentile per-packet one-way delay: 107.396 ms

Loss rate: 0.89%

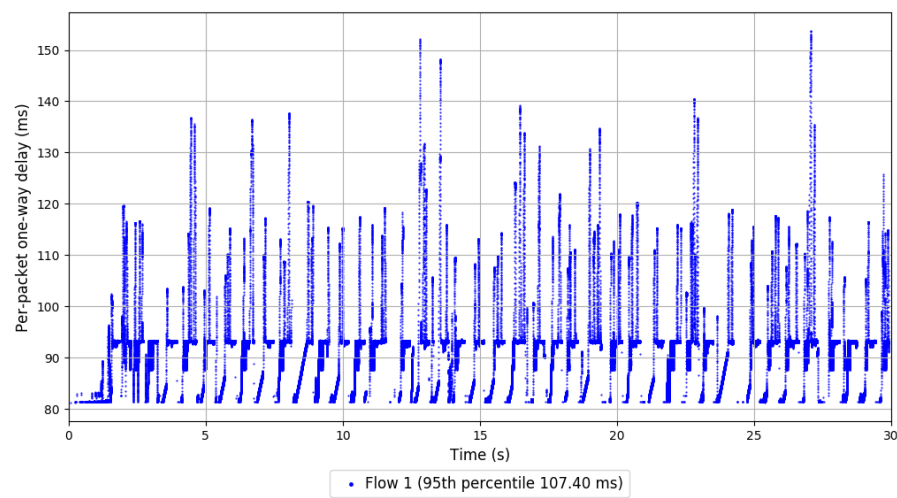
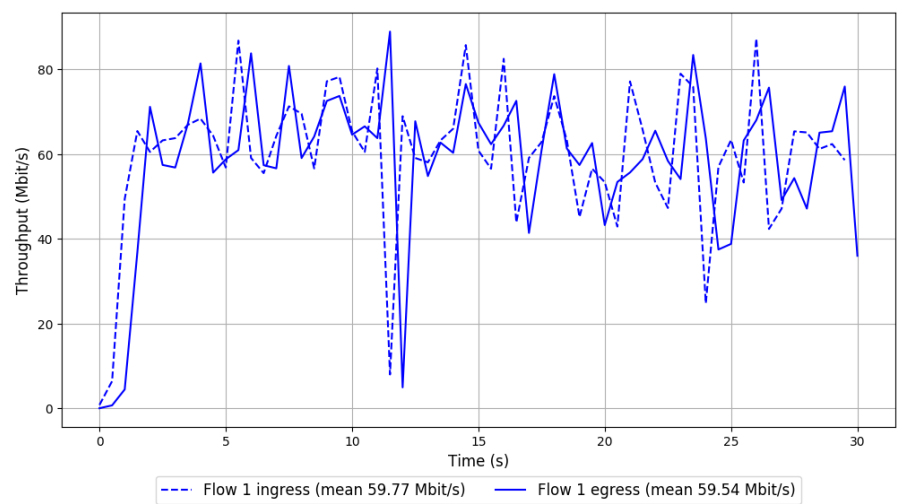
-- Flow 1:

Average throughput: 59.54 Mbit/s

95th percentile per-packet one-way delay: 107.396 ms

Loss rate: 0.89%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-22 12:35:43

End at: 2018-05-22 12:36:13

Local clock offset: -4.898 ms

Remote clock offset: 12.22 ms

Below is generated by plot.py at 2018-05-22 12:56:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.96 Mbit/s

95th percentile per-packet one-way delay: 93.799 ms

Loss rate: 0.23%

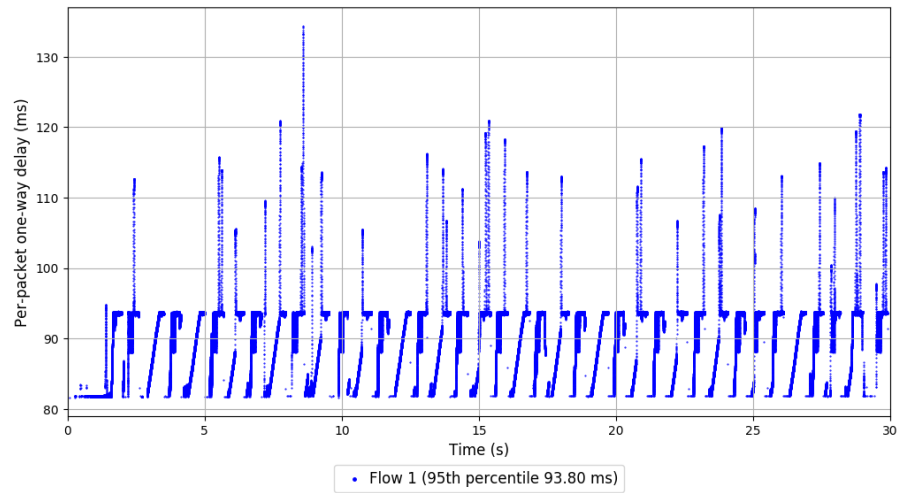
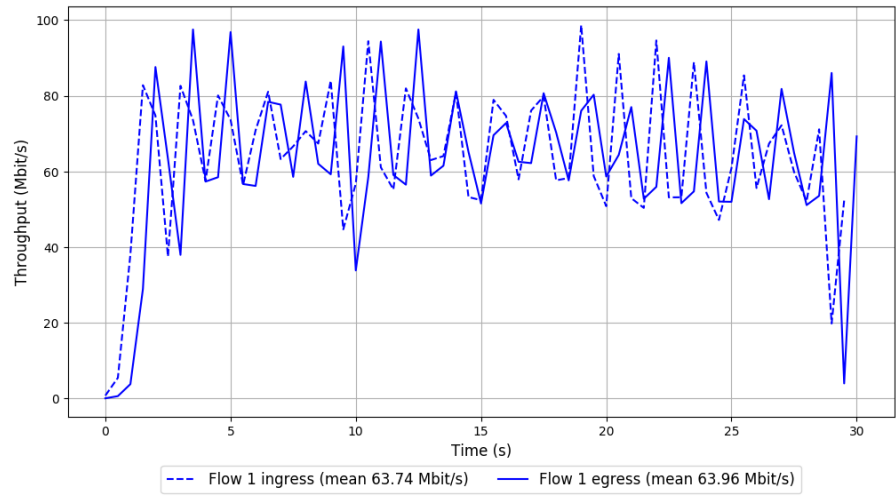
-- Flow 1:

Average throughput: 63.96 Mbit/s

95th percentile per-packet one-way delay: 93.799 ms

Loss rate: 0.23%

Run 9: Report of TCP BBR — Data Link

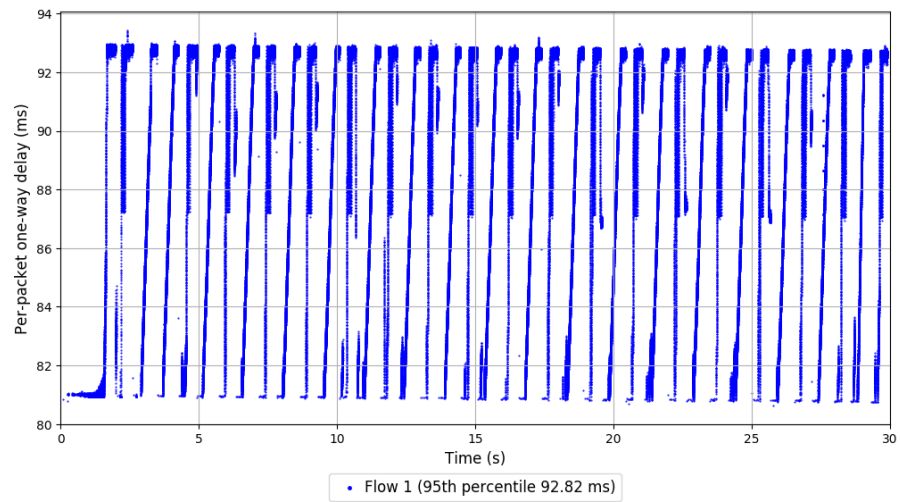
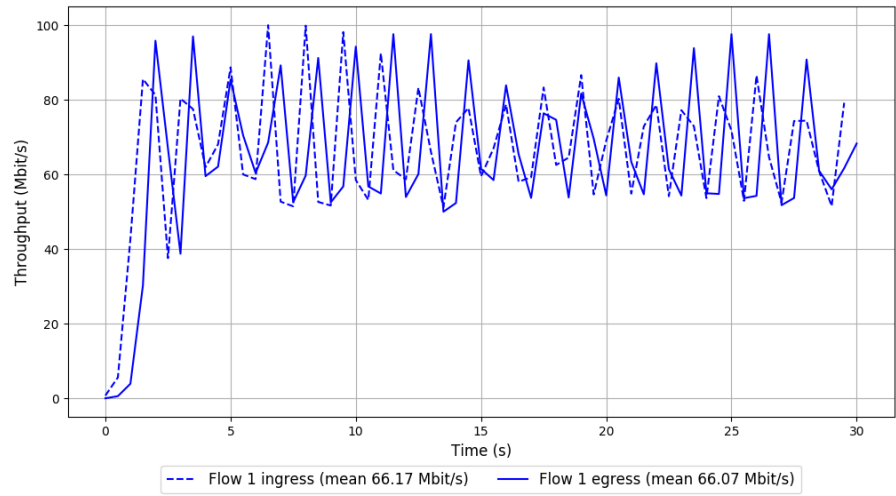


Run 10: Statistics of TCP BBR

Start at: 2018-05-22 12:54:11
End at: 2018-05-22 12:54:41
Local clock offset: -7.416 ms
Remote clock offset: 12.213 ms

Below is generated by plot.py at 2018-05-22 12:56:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.07 Mbit/s
95th percentile per-packet one-way delay: 92.817 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 66.07 Mbit/s
95th percentile per-packet one-way delay: 92.817 ms
Loss rate: 0.65%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-22 10:00:00

End at: 2018-05-22 10:00:30

Local clock offset: -6.217 ms

Remote clock offset: 4.32 ms

Below is generated by plot.py at 2018-05-22 12:57:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.32 Mbit/s

95th percentile per-packet one-way delay: 95.378 ms

Loss rate: 0.65%

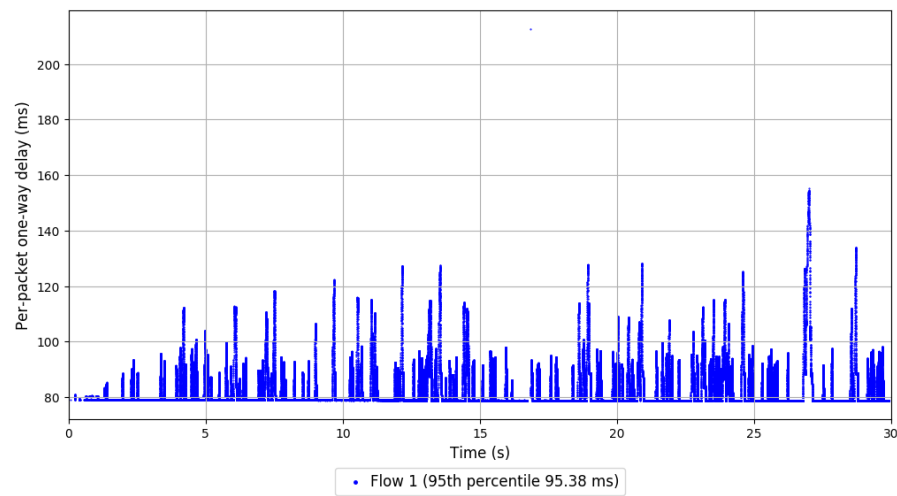
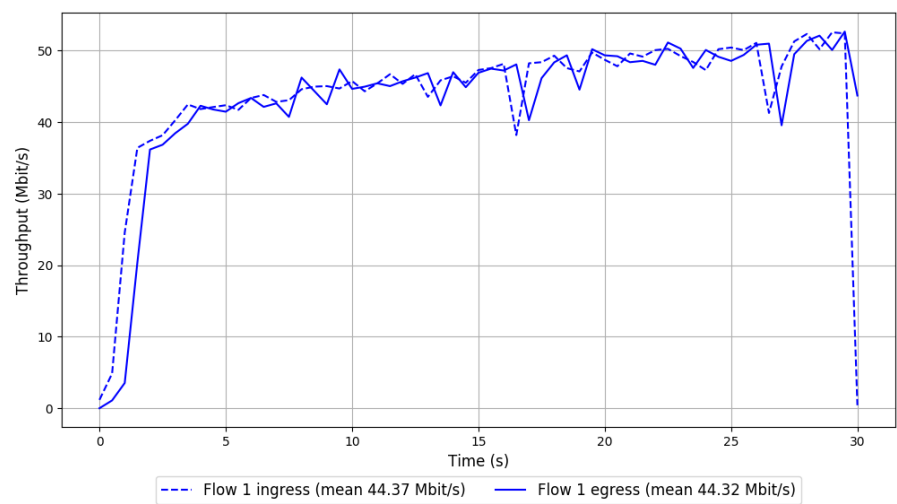
-- Flow 1:

Average throughput: 44.32 Mbit/s

95th percentile per-packet one-way delay: 95.378 ms

Loss rate: 0.65%

Run 1: Report of Copa — Data Link

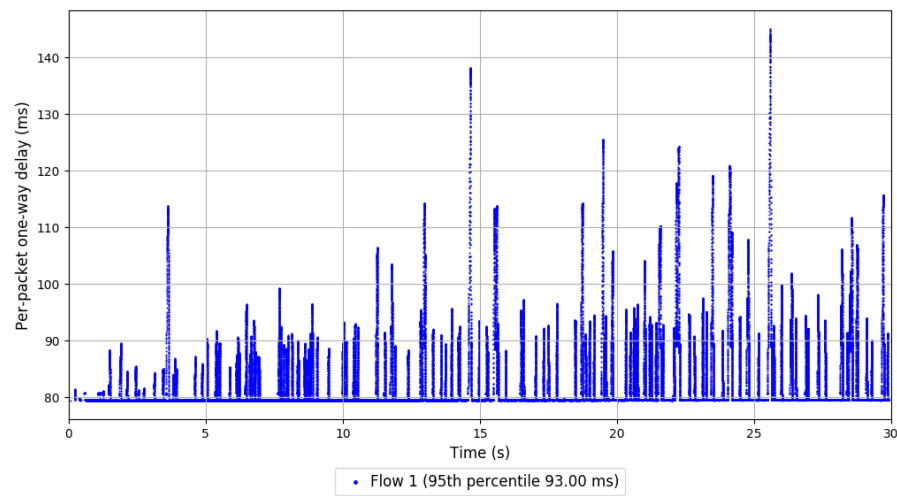
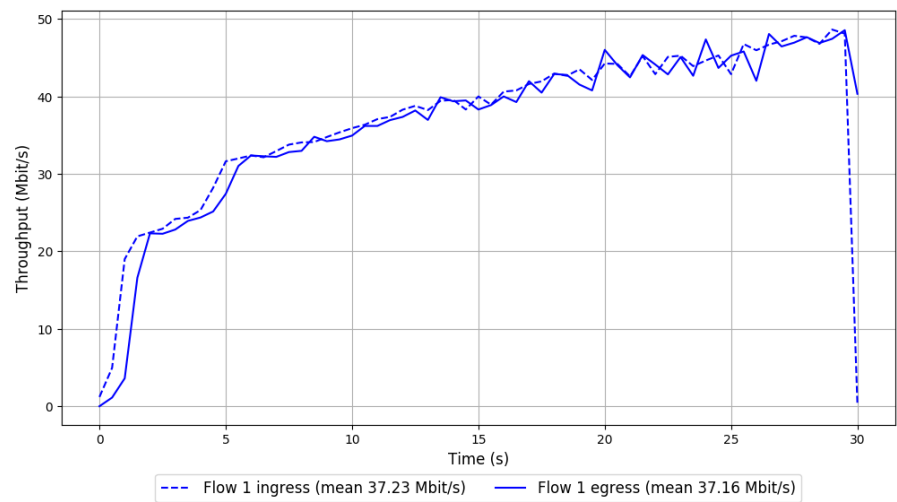


Run 2: Statistics of Copa

Start at: 2018-05-22 10:18:17
End at: 2018-05-22 10:18:47
Local clock offset: -2.049 ms
Remote clock offset: 11.718 ms

Below is generated by plot.py at 2018-05-22 12:57:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 93.005 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 93.005 ms
Loss rate: 0.71%

Run 2: Report of Copa — Data Link

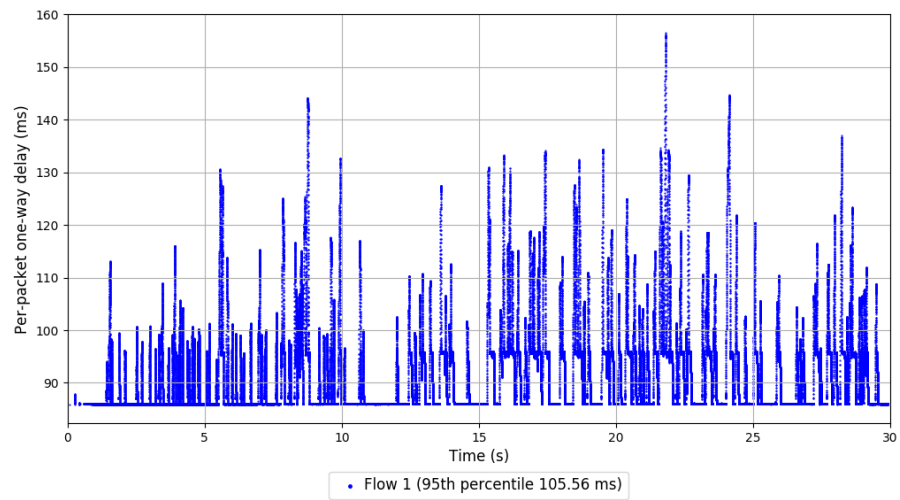
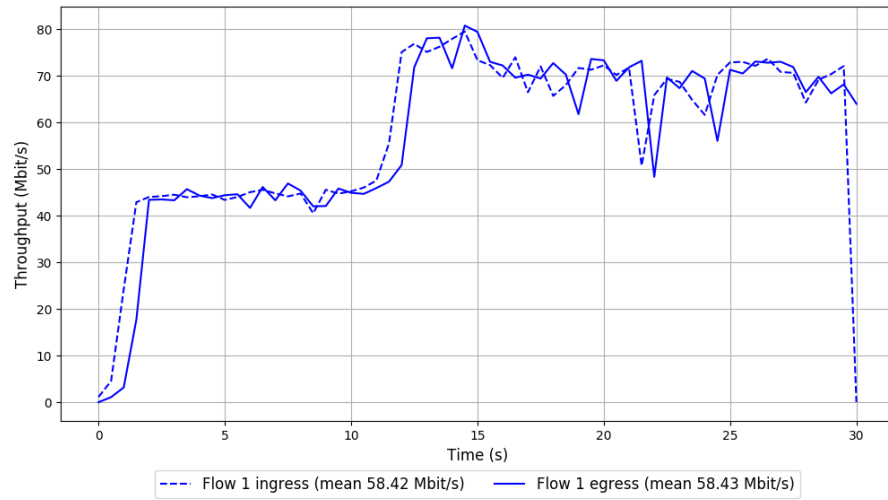


Run 3: Statistics of Copa

Start at: 2018-05-22 10:36:34
End at: 2018-05-22 10:37:04
Local clock offset: -5.536 ms
Remote clock offset: 8.852 ms

Below is generated by plot.py at 2018-05-22 12:57:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.43 Mbit/s
95th percentile per-packet one-way delay: 105.561 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 58.43 Mbit/s
95th percentile per-packet one-way delay: 105.561 ms
Loss rate: 0.67%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-05-22 10:54:53

End at: 2018-05-22 10:55:23

Local clock offset: -7.855 ms

Remote clock offset: 3.705 ms

Below is generated by plot.py at 2018-05-22 12:57:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.59 Mbit/s

95th percentile per-packet one-way delay: 95.549 ms

Loss rate: 1.27%

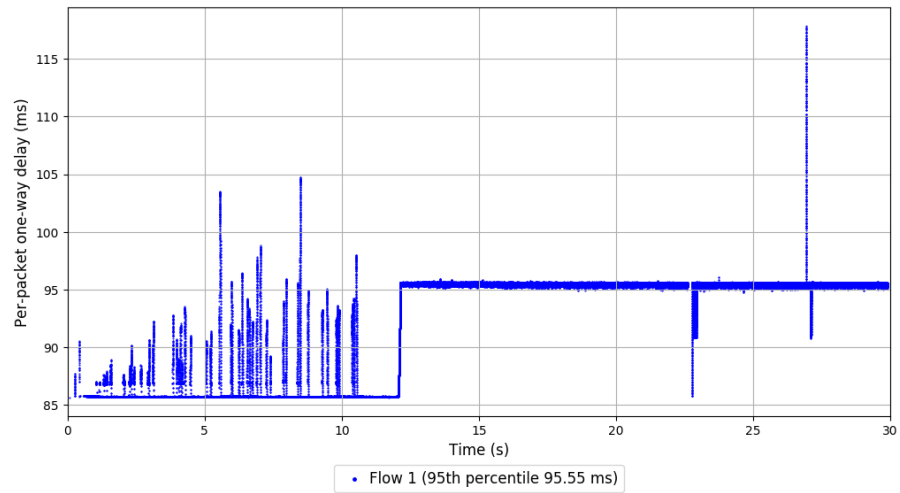
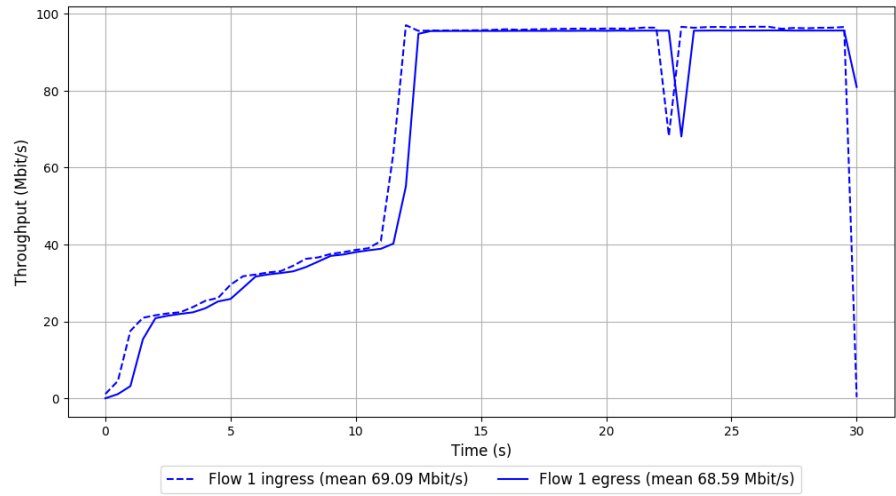
-- Flow 1:

Average throughput: 68.59 Mbit/s

95th percentile per-packet one-way delay: 95.549 ms

Loss rate: 1.27%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-05-22 11:13:20

End at: 2018-05-22 11:13:50

Local clock offset: 12.083 ms

Remote clock offset: 9.216 ms

Below is generated by plot.py at 2018-05-22 12:58:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.49 Mbit/s

95th percentile per-packet one-way delay: 108.298 ms

Loss rate: 0.69%

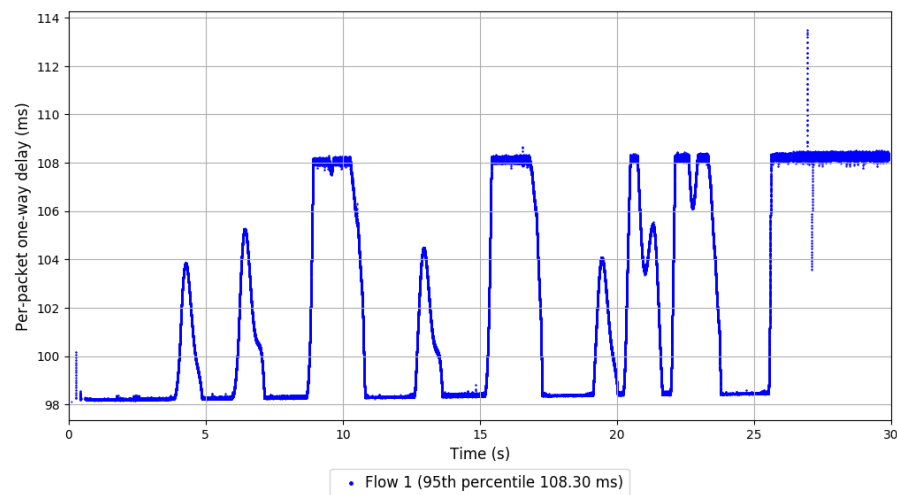
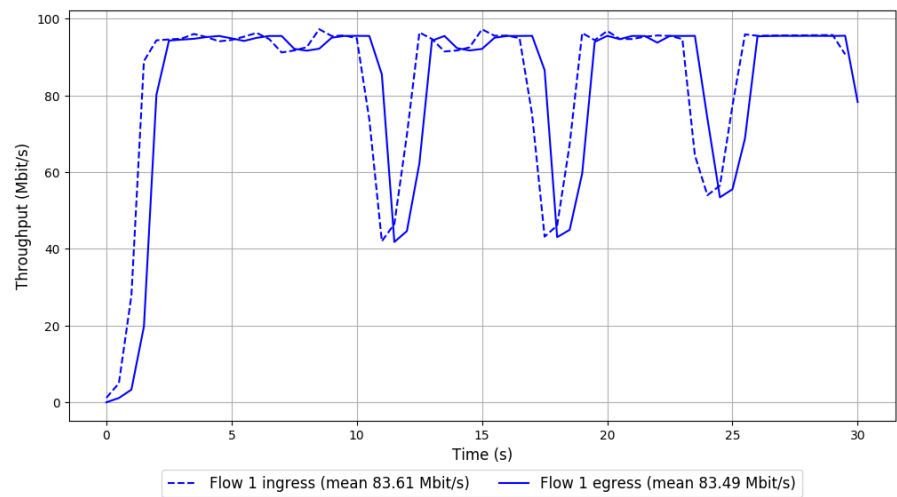
-- Flow 1:

Average throughput: 83.49 Mbit/s

95th percentile per-packet one-way delay: 108.298 ms

Loss rate: 0.69%

Run 5: Report of Copa — Data Link

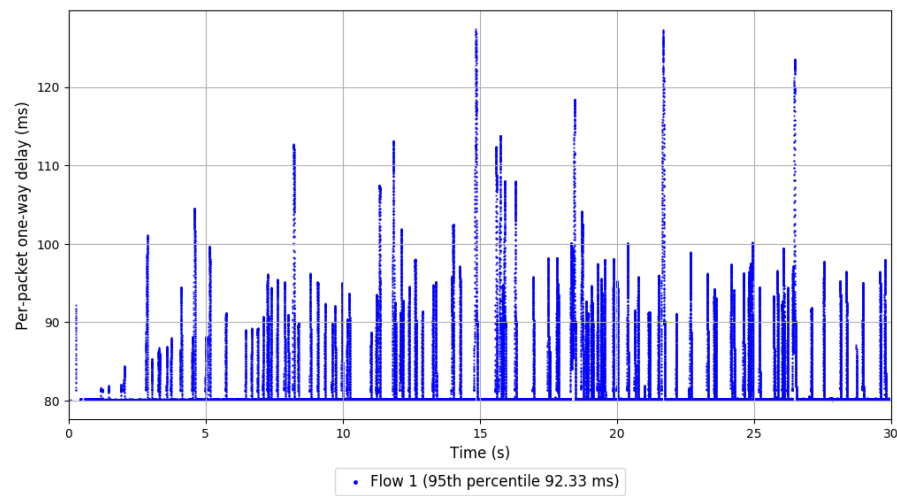
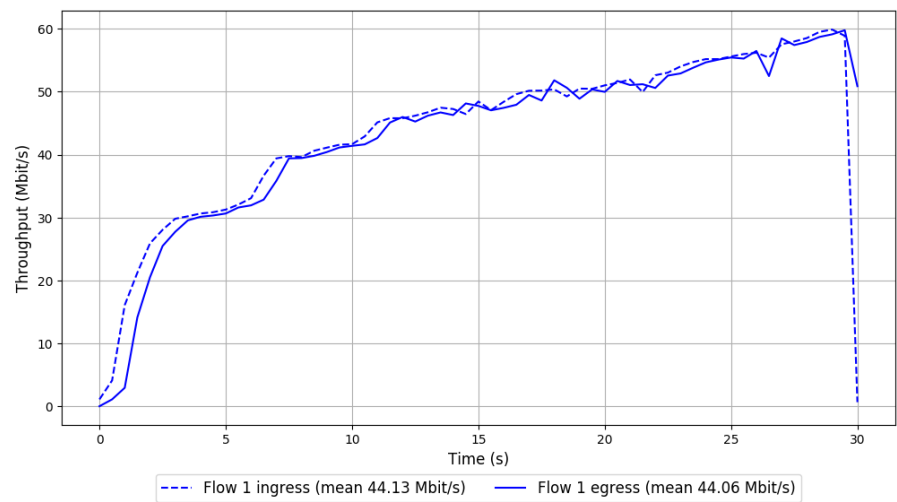


Run 6: Statistics of Copa

Start at: 2018-05-22 11:31:45
End at: 2018-05-22 11:32:15
Local clock offset: -7.908 ms
Remote clock offset: 14.223 ms

Below is generated by plot.py at 2018-05-22 12:58:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.06 Mbit/s
95th percentile per-packet one-way delay: 92.333 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 44.06 Mbit/s
95th percentile per-packet one-way delay: 92.333 ms
Loss rate: 0.69%

Run 6: Report of Copa — Data Link

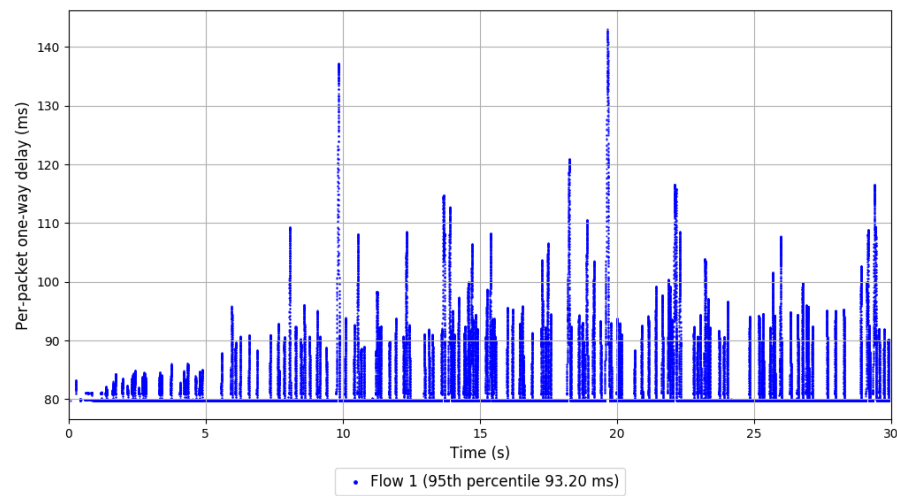
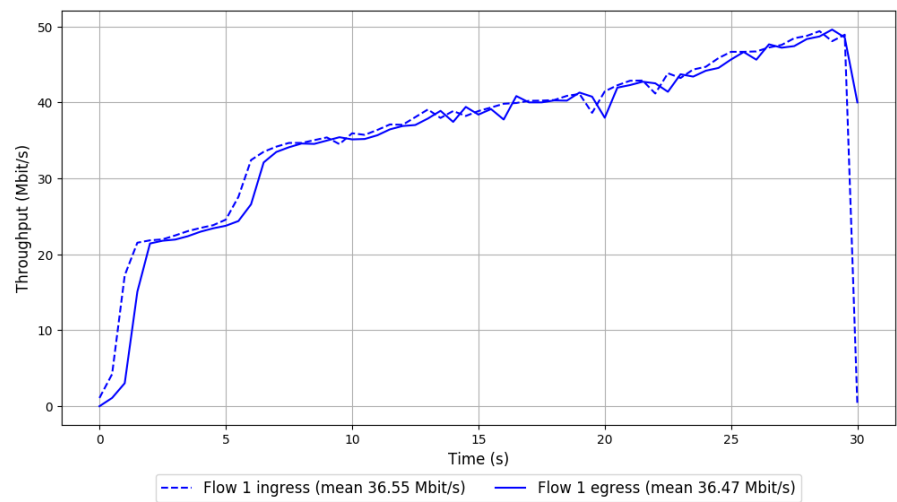


Run 7: Statistics of Copa

Start at: 2018-05-22 11:50:03
End at: 2018-05-22 11:50:33
Local clock offset: -7.864 ms
Remote clock offset: 13.996 ms

Below is generated by plot.py at 2018-05-22 12:58:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 93.197 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 93.197 ms
Loss rate: 0.74%

Run 7: Report of Copa — Data Link

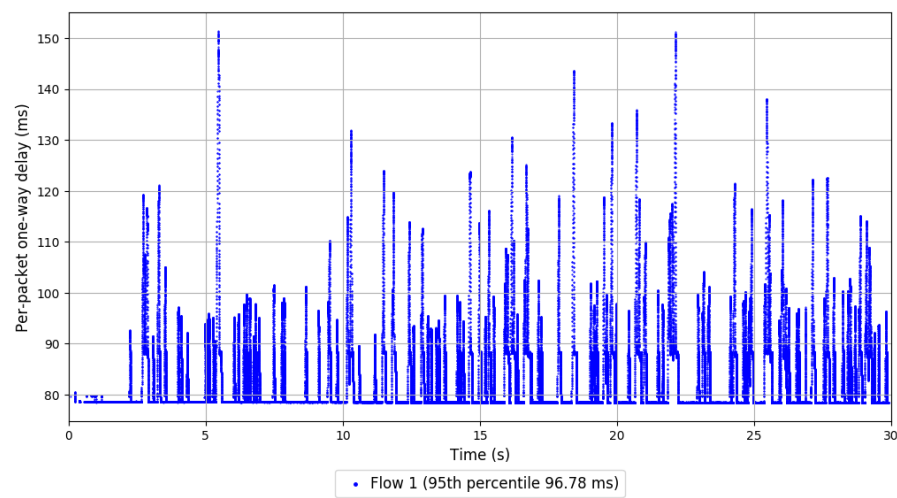
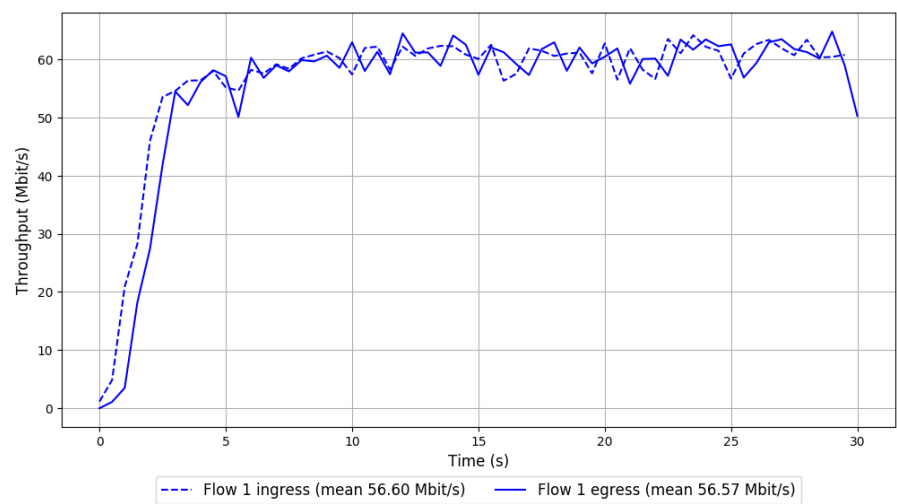


Run 8: Statistics of Copa

Start at: 2018-05-22 12:08:20
End at: 2018-05-22 12:08:50
Local clock offset: -3.462 ms
Remote clock offset: 14.512 ms

Below is generated by plot.py at 2018-05-22 12:58:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 96.784 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 96.784 ms
Loss rate: 0.60%

Run 8: Report of Copa — Data Link

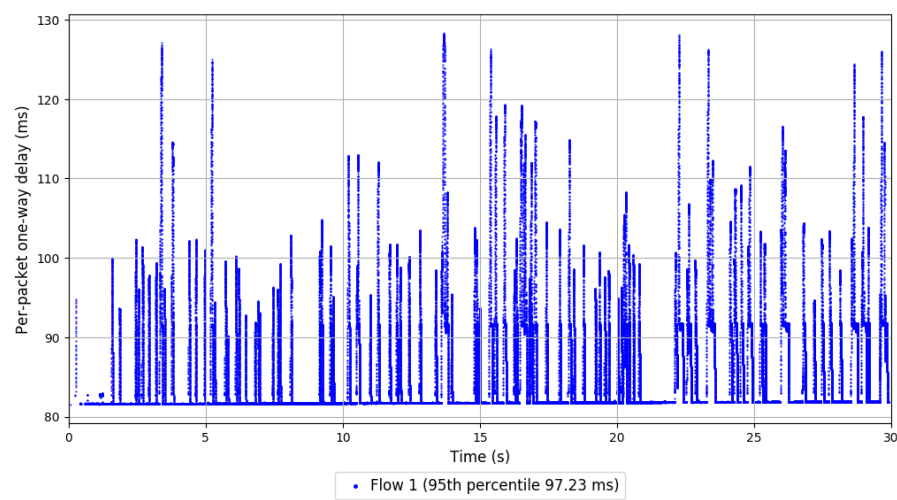
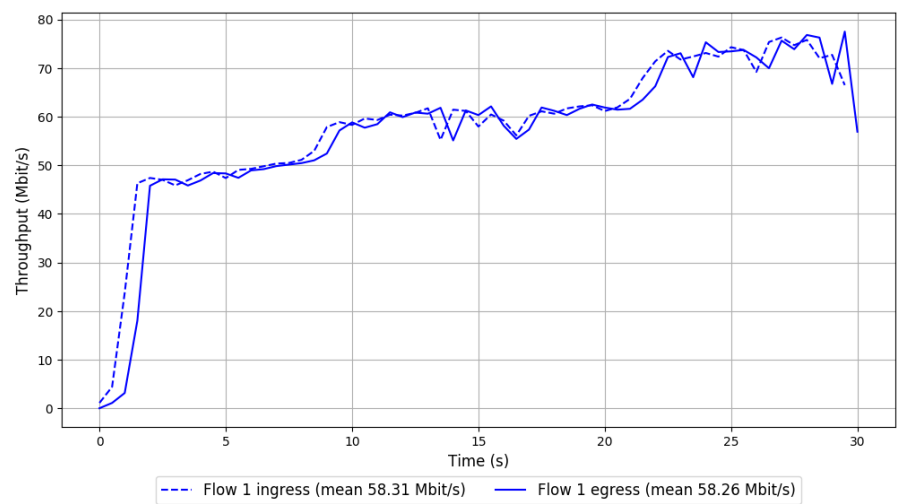


Run 9: Statistics of Copa

Start at: 2018-05-22 12:26:39
End at: 2018-05-22 12:27:09
Local clock offset: -0.507 ms
Remote clock offset: 13.463 ms

Below is generated by plot.py at 2018-05-22 12:58:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.26 Mbit/s
95th percentile per-packet one-way delay: 97.231 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 58.26 Mbit/s
95th percentile per-packet one-way delay: 97.231 ms
Loss rate: 0.64%

Run 9: Report of Copa — Data Link

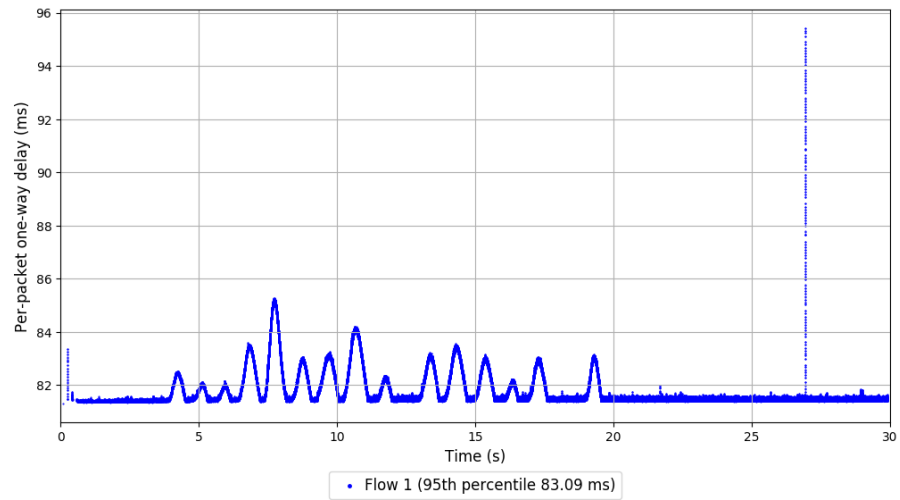
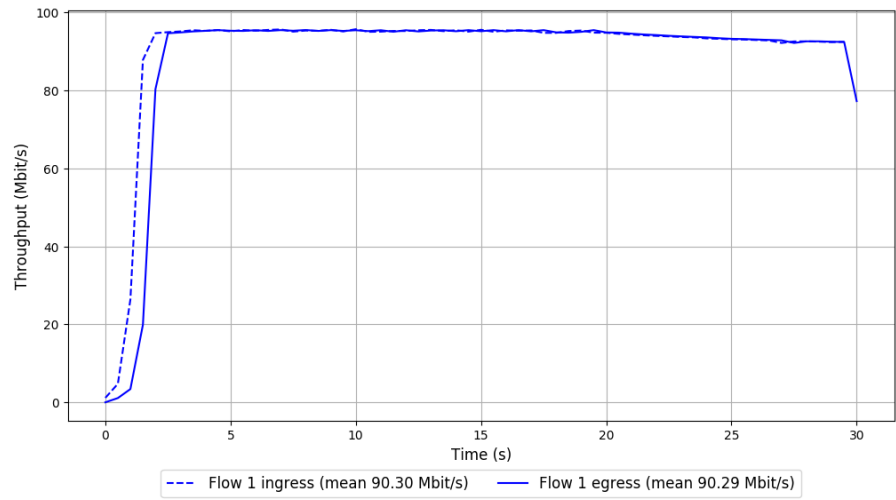


Run 10: Statistics of Copa

Start at: 2018-05-22 12:45:03
End at: 2018-05-22 12:45:33
Local clock offset: -5.832 ms
Remote clock offset: 12.884 ms

Below is generated by plot.py at 2018-05-22 12:59:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.29 Mbit/s
95th percentile per-packet one-way delay: 83.095 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 90.29 Mbit/s
95th percentile per-packet one-way delay: 83.095 ms
Loss rate: 0.56%

Run 10: Report of Copa — Data Link

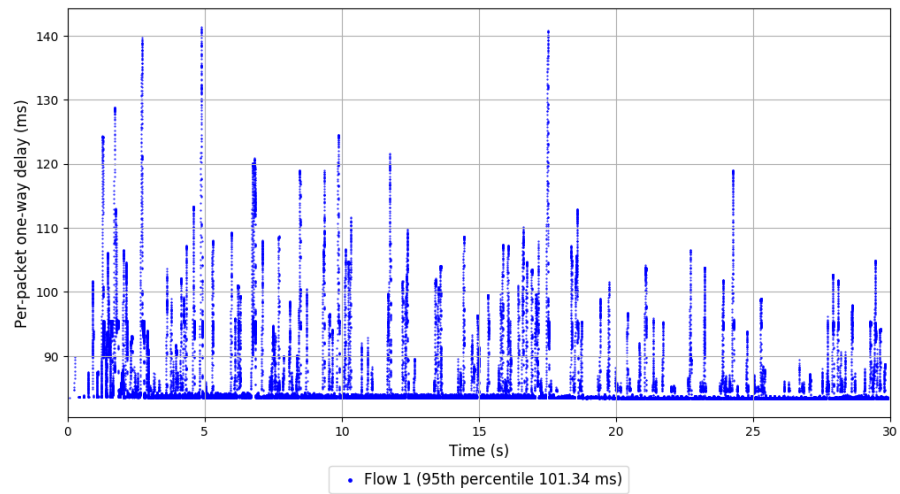
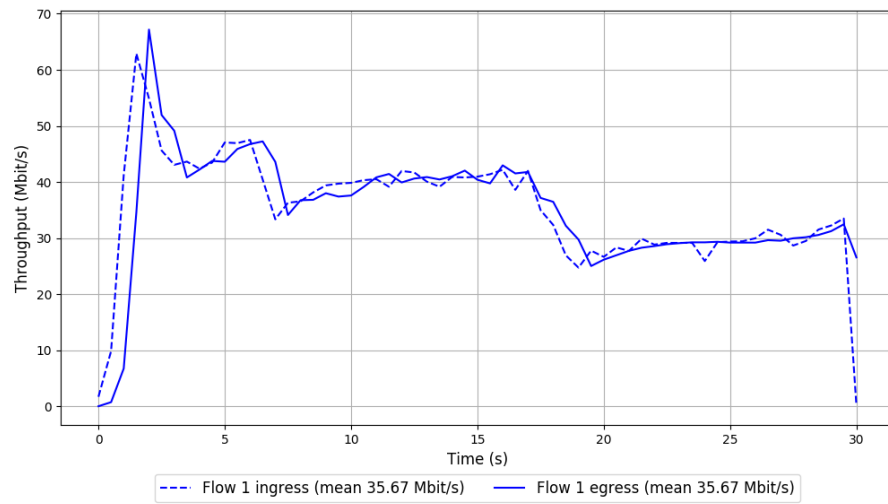


Run 1: Statistics of TCP Cubic

Start at: 2018-05-22 10:02:17
End at: 2018-05-22 10:02:47
Local clock offset: -5.162 ms
Remote clock offset: -0.531 ms

Below is generated by plot.py at 2018-05-22 12:59:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.67 Mbit/s
95th percentile per-packet one-way delay: 101.338 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 35.67 Mbit/s
95th percentile per-packet one-way delay: 101.338 ms
Loss rate: 0.53%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-05-22 10:20:33

End at: 2018-05-22 10:21:03

Local clock offset: -1.816 ms

Remote clock offset: 8.338 ms

Below is generated by plot.py at 2018-05-22 12:59:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.84 Mbit/s

95th percentile per-packet one-way delay: 97.837 ms

Loss rate: 0.62%

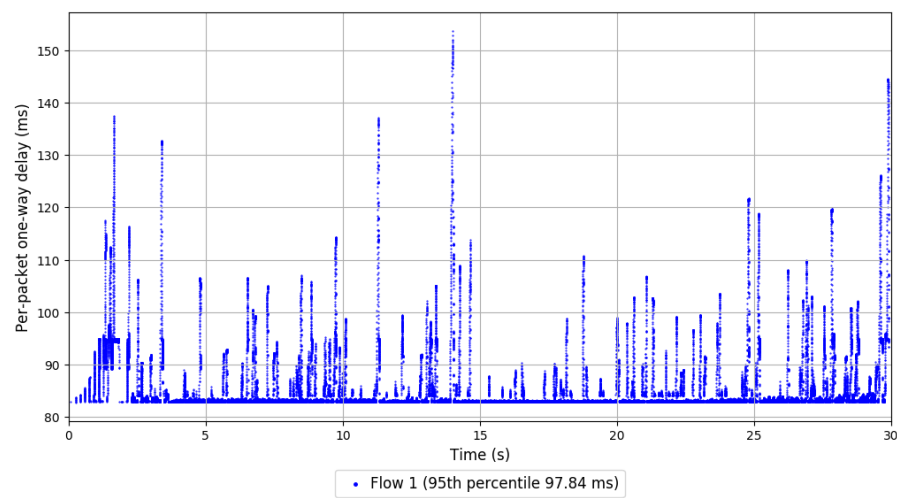
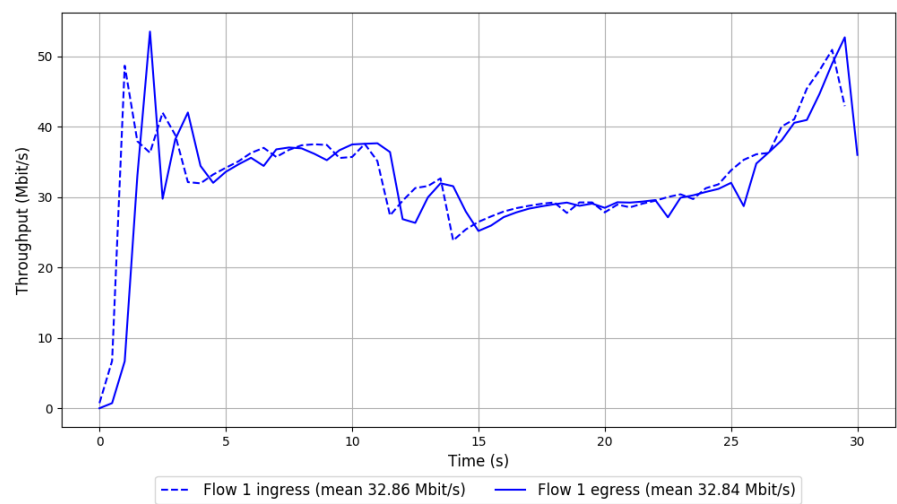
-- Flow 1:

Average throughput: 32.84 Mbit/s

95th percentile per-packet one-way delay: 97.837 ms

Loss rate: 0.62%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-22 10:38:52

End at: 2018-05-22 10:39:22

Local clock offset: -6.059 ms

Remote clock offset: 7.84 ms

Below is generated by plot.py at 2018-05-22 12:59:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.59 Mbit/s

95th percentile per-packet one-way delay: 103.027 ms

Loss rate: 0.44%

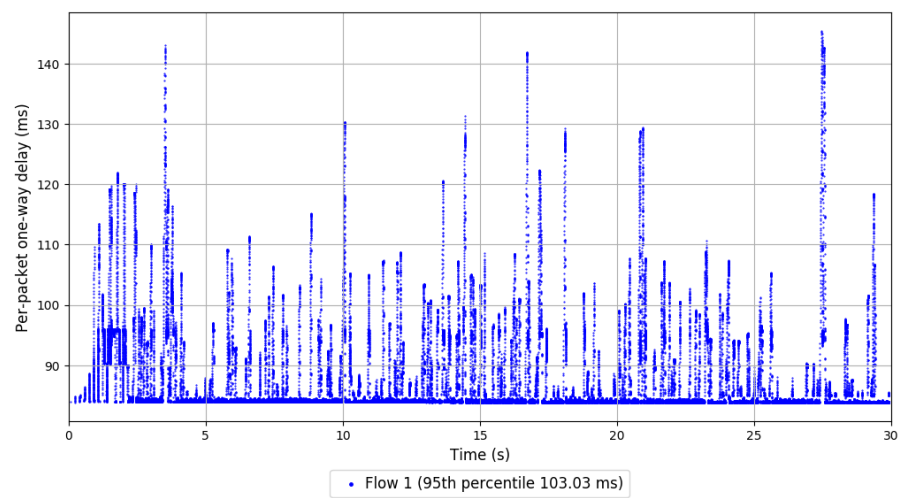
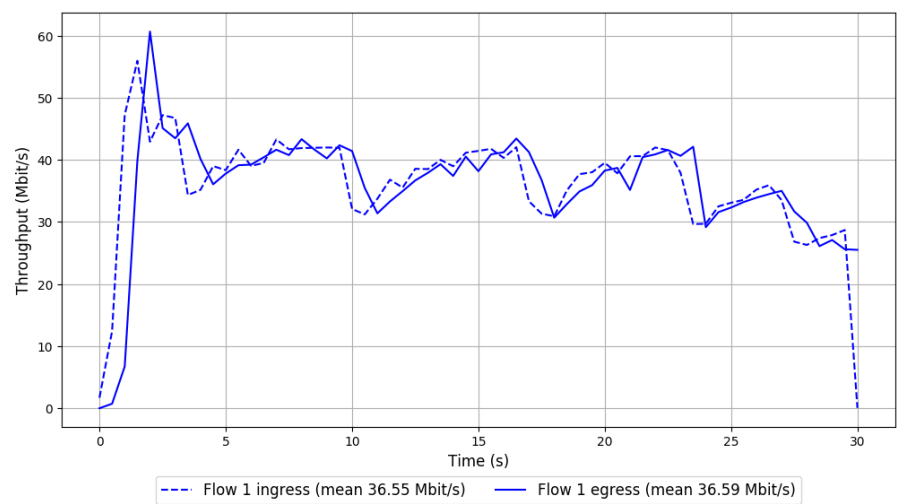
-- Flow 1:

Average throughput: 36.59 Mbit/s

95th percentile per-packet one-way delay: 103.027 ms

Loss rate: 0.44%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-22 10:57:11

End at: 2018-05-22 10:57:41

Local clock offset: -7.78 ms

Remote clock offset: 3.286 ms

Below is generated by plot.py at 2018-05-22 12:59:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.01 Mbit/s

95th percentile per-packet one-way delay: 93.065 ms

Loss rate: 0.63%

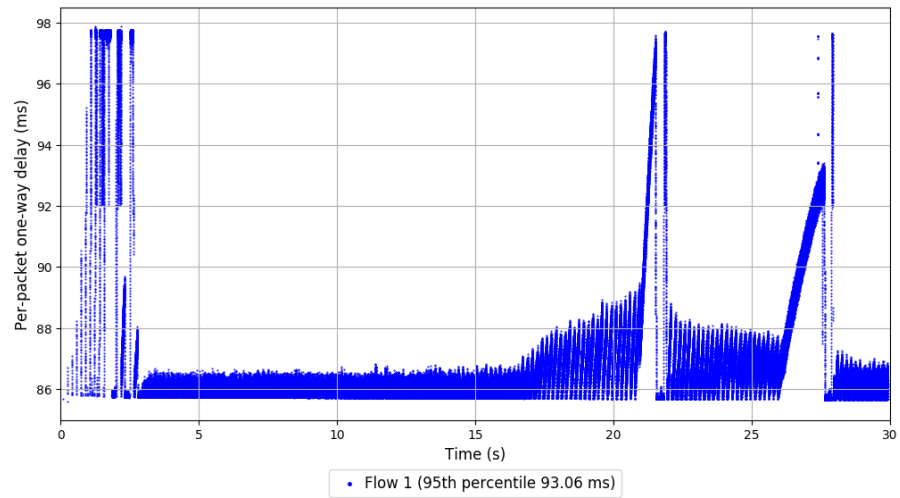
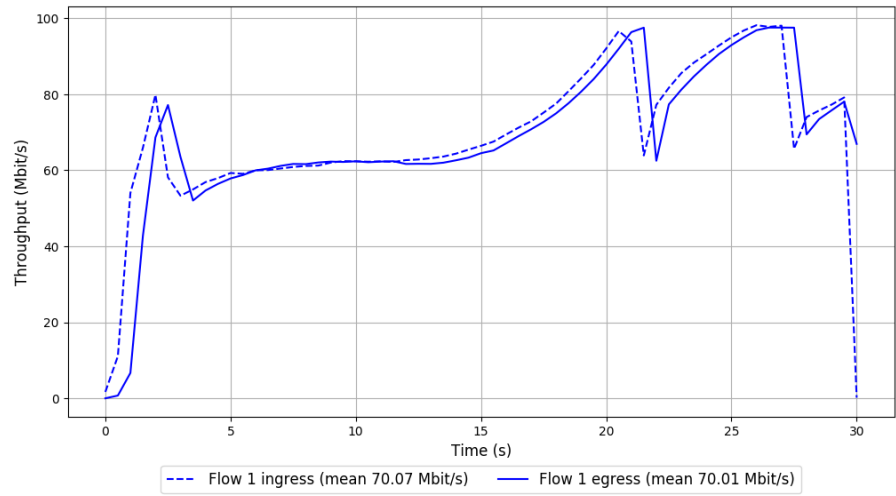
-- Flow 1:

Average throughput: 70.01 Mbit/s

95th percentile per-packet one-way delay: 93.065 ms

Loss rate: 0.63%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-22 11:15:40

End at: 2018-05-22 11:16:10

Local clock offset: 15.778 ms

Remote clock offset: 5.277 ms

Below is generated by plot.py at 2018-05-22 12:59:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.86 Mbit/s

95th percentile per-packet one-way delay: 108.849 ms

Loss rate: 0.69%

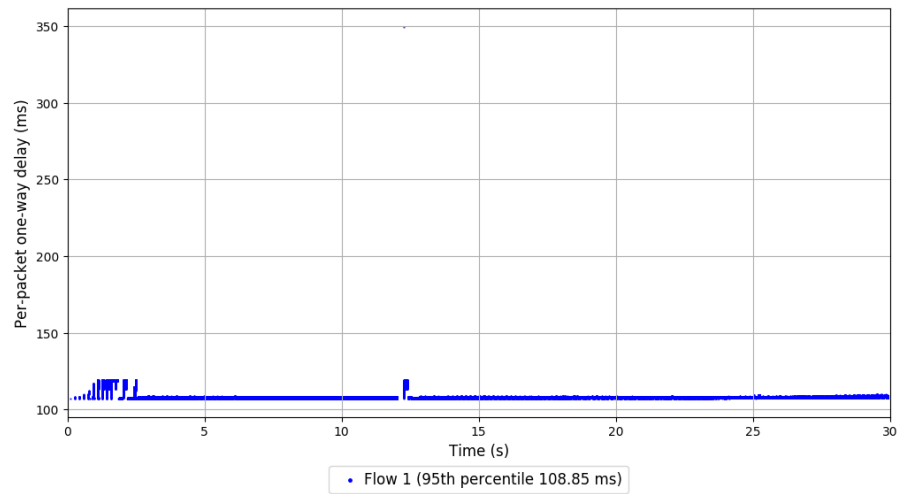
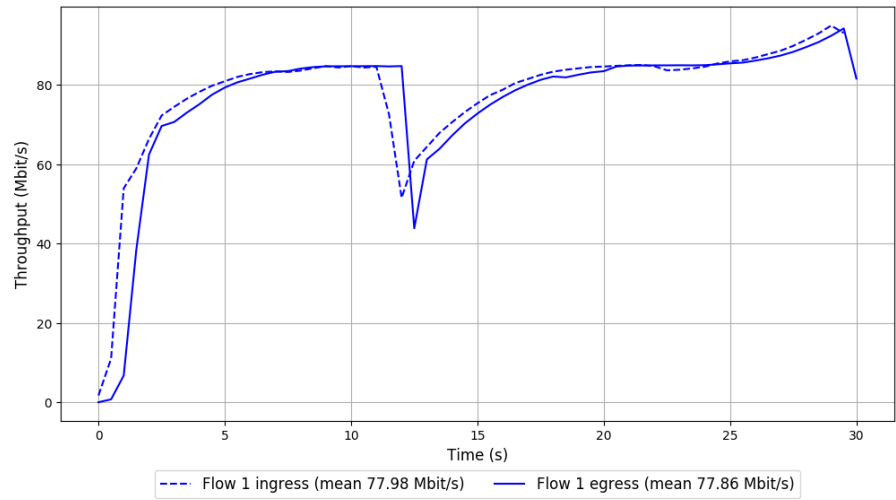
-- Flow 1:

Average throughput: 77.86 Mbit/s

95th percentile per-packet one-way delay: 108.849 ms

Loss rate: 0.69%

Run 5: Report of TCP Cubic — Data Link

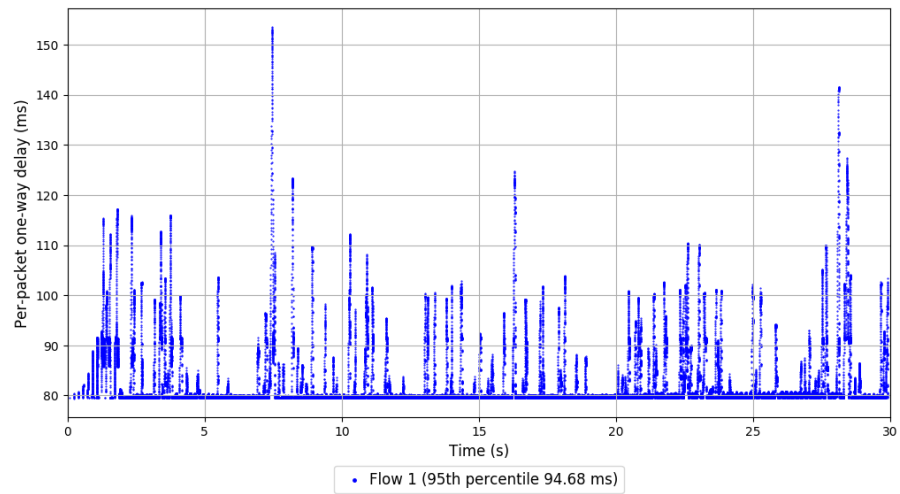
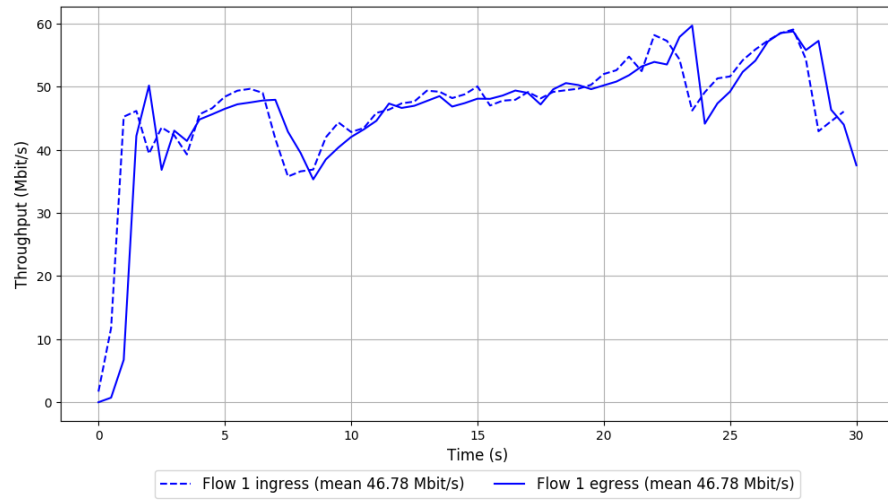


Run 6: Statistics of TCP Cubic

Start at: 2018-05-22 11:34:02
End at: 2018-05-22 11:34:32
Local clock offset: -6.33 ms
Remote clock offset: 15.382 ms

Below is generated by plot.py at 2018-05-22 12:59:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.78 Mbit/s
95th percentile per-packet one-way delay: 94.679 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 46.78 Mbit/s
95th percentile per-packet one-way delay: 94.679 ms
Loss rate: 0.55%

Run 6: Report of TCP Cubic — Data Link

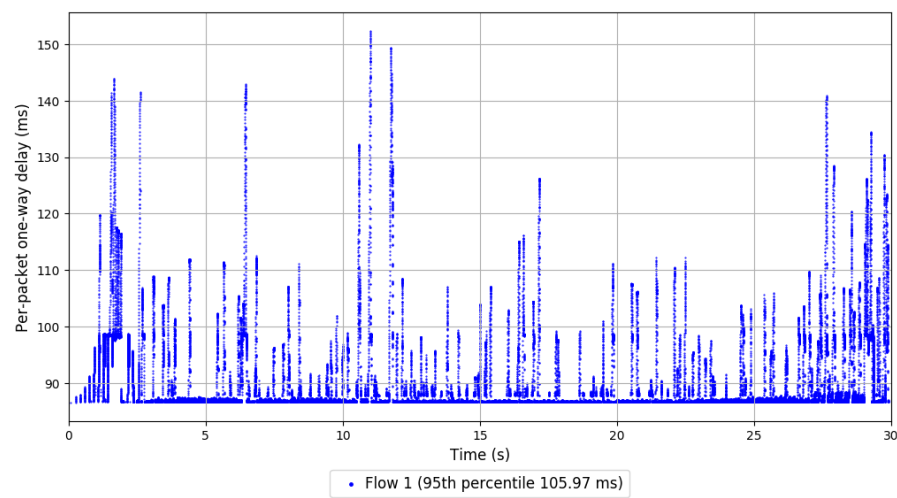
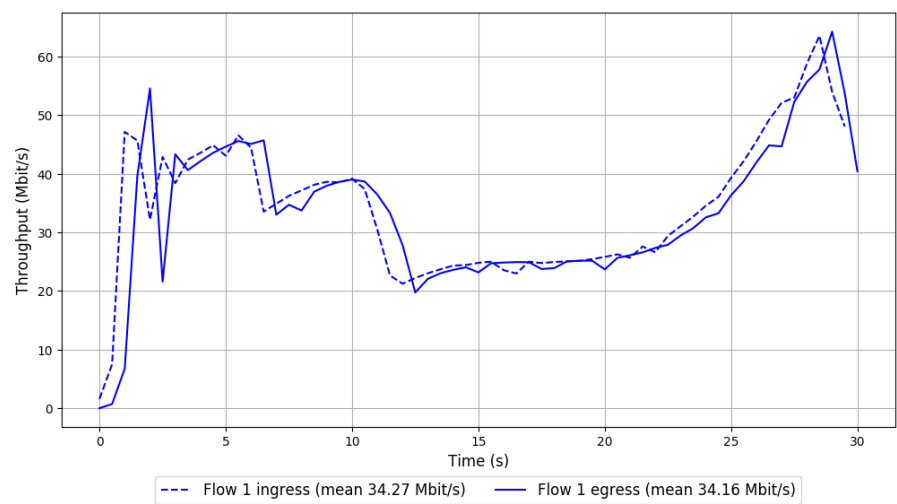


Run 7: Statistics of TCP Cubic

Start at: 2018-05-22 11:52:19
End at: 2018-05-22 11:52:49
Local clock offset: -6.366 ms
Remote clock offset: 10.095 ms

Below is generated by plot.py at 2018-05-22 12:59:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.16 Mbit/s
95th percentile per-packet one-way delay: 105.972 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 34.16 Mbit/s
95th percentile per-packet one-way delay: 105.972 ms
Loss rate: 0.86%

Run 7: Report of TCP Cubic — Data Link

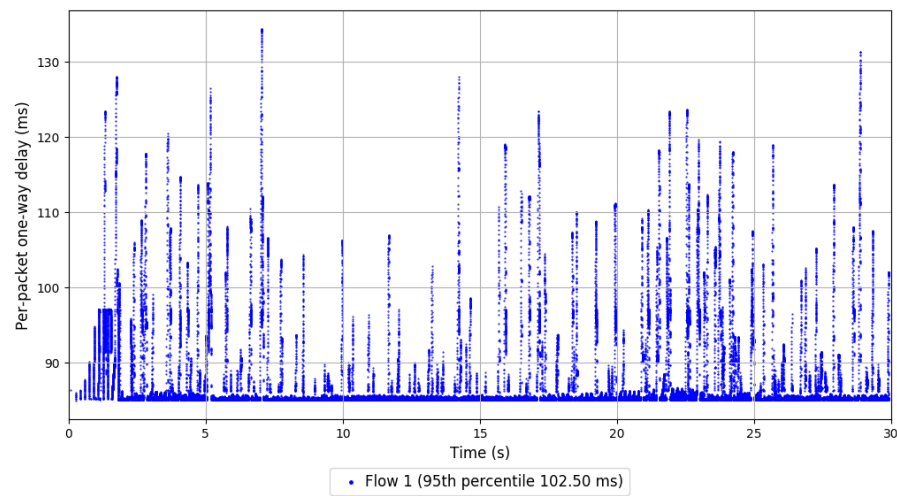
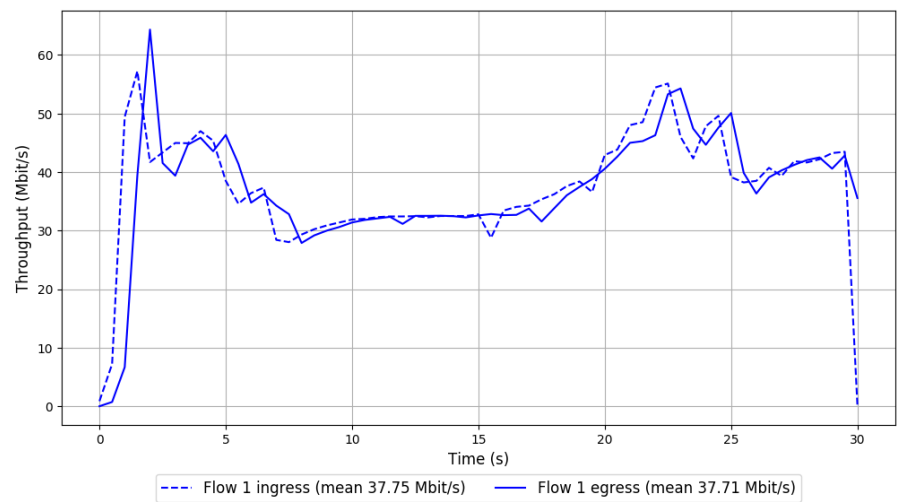


Run 8: Statistics of TCP Cubic

Start at: 2018-05-22 12:10:37
End at: 2018-05-22 12:11:07
Local clock offset: -2.218 ms
Remote clock offset: 10.646 ms

Below is generated by plot.py at 2018-05-22 12:59:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.71 Mbit/s
95th percentile per-packet one-way delay: 102.505 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 37.71 Mbit/s
95th percentile per-packet one-way delay: 102.505 ms
Loss rate: 0.64%

Run 8: Report of TCP Cubic — Data Link

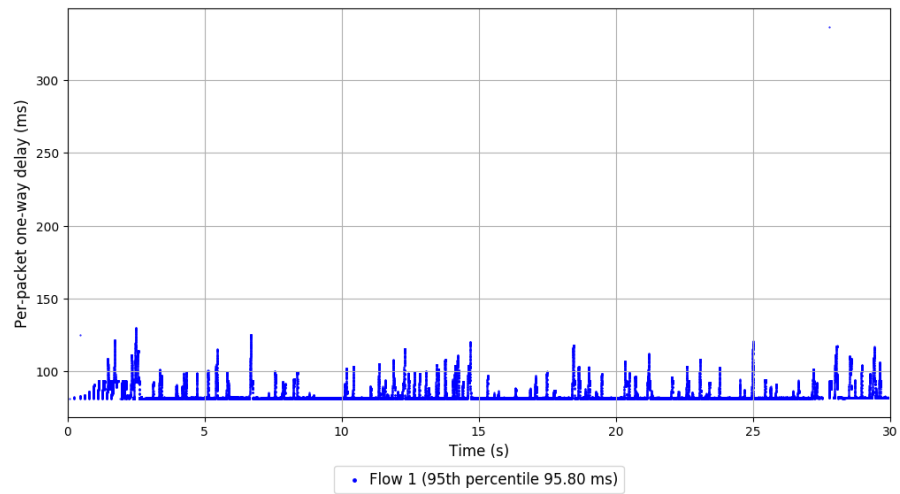
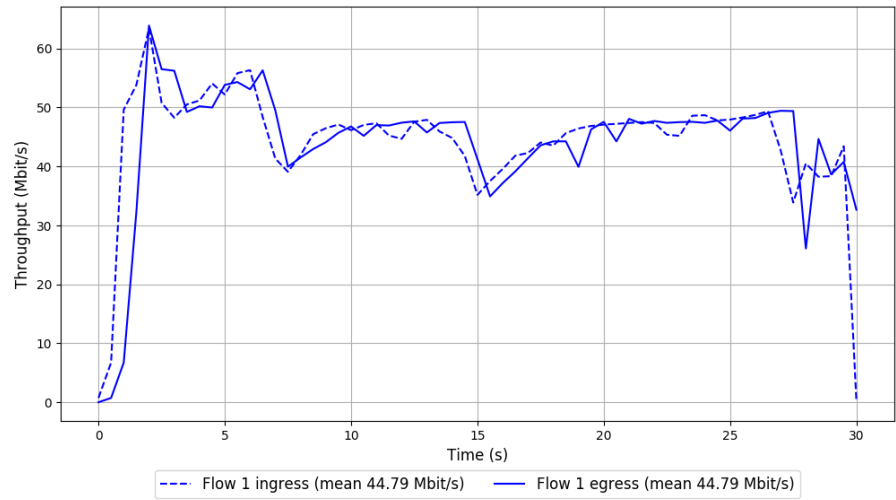


Run 9: Statistics of TCP Cubic

Start at: 2018-05-22 12:28:56
End at: 2018-05-22 12:29:26
Local clock offset: -2.82 ms
Remote clock offset: 12.486 ms

Below is generated by plot.py at 2018-05-22 12:59:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.79 Mbit/s
95th percentile per-packet one-way delay: 95.802 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 44.79 Mbit/s
95th percentile per-packet one-way delay: 95.802 ms
Loss rate: 0.54%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-22 12:47:23

End at: 2018-05-22 12:47:53

Local clock offset: -6.07 ms

Remote clock offset: 8.91 ms

Below is generated by plot.py at 2018-05-22 12:59:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.44 Mbit/s

95th percentile per-packet one-way delay: 92.709 ms

Loss rate: 0.65%

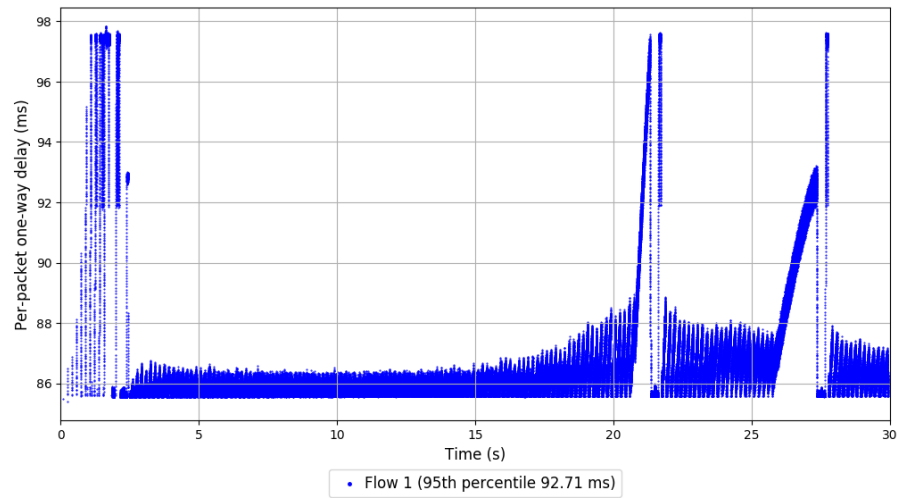
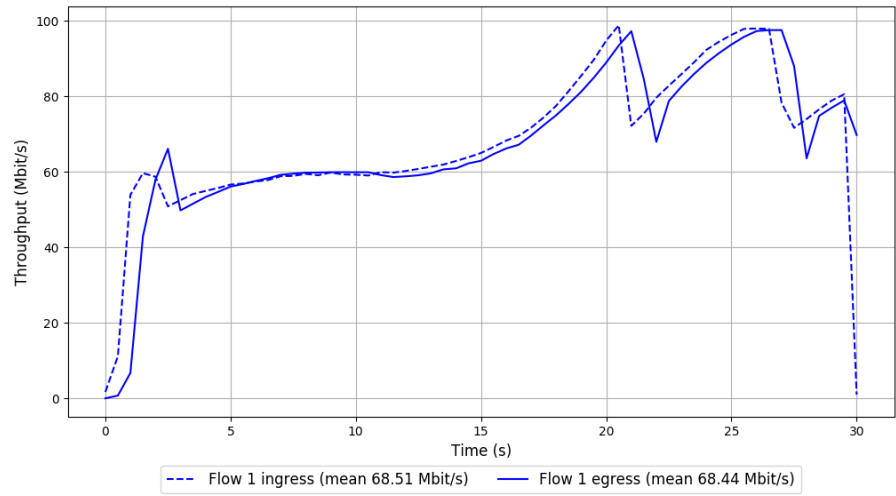
-- Flow 1:

Average throughput: 68.44 Mbit/s

95th percentile per-packet one-way delay: 92.709 ms

Loss rate: 0.65%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-22 09:51:57

End at: 2018-05-22 09:52:27

Local clock offset: -7.911 ms

Remote clock offset: 1.772 ms

Below is generated by plot.py at 2018-05-22 12:59:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.81 Mbit/s

95th percentile per-packet one-way delay: 96.168 ms

Loss rate: 0.56%

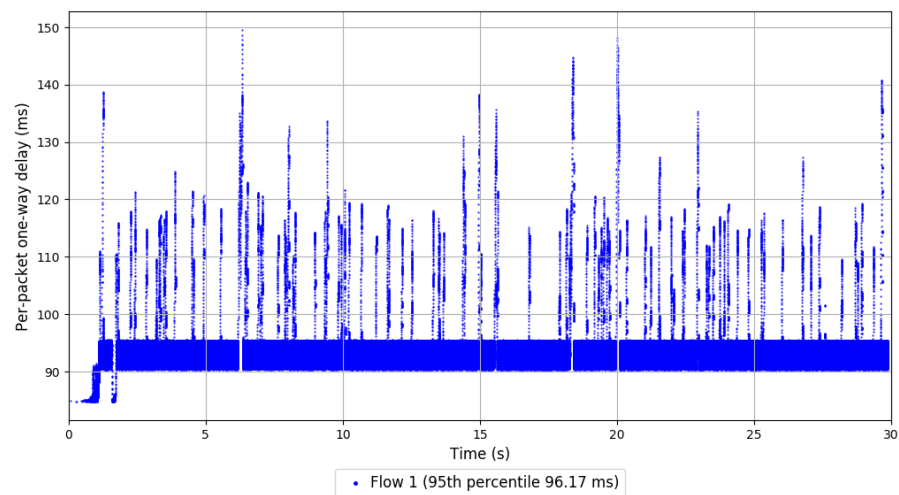
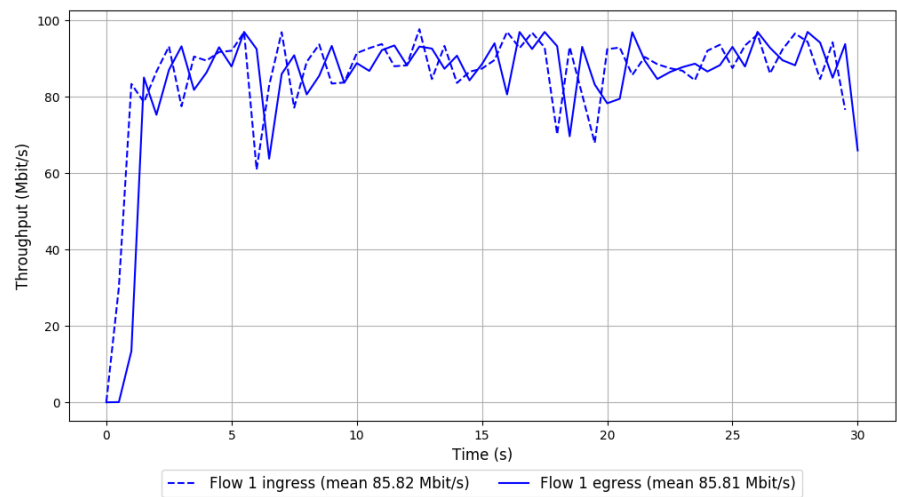
-- Flow 1:

Average throughput: 85.81 Mbit/s

95th percentile per-packet one-way delay: 96.168 ms

Loss rate: 0.56%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-05-22 10:10:12

End at: 2018-05-22 10:10:42

Local clock offset: -3.062 ms

Remote clock offset: 4.497 ms

Below is generated by plot.py at 2018-05-22 12:59:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.07 Mbit/s

95th percentile per-packet one-way delay: 105.939 ms

Loss rate: 0.61%

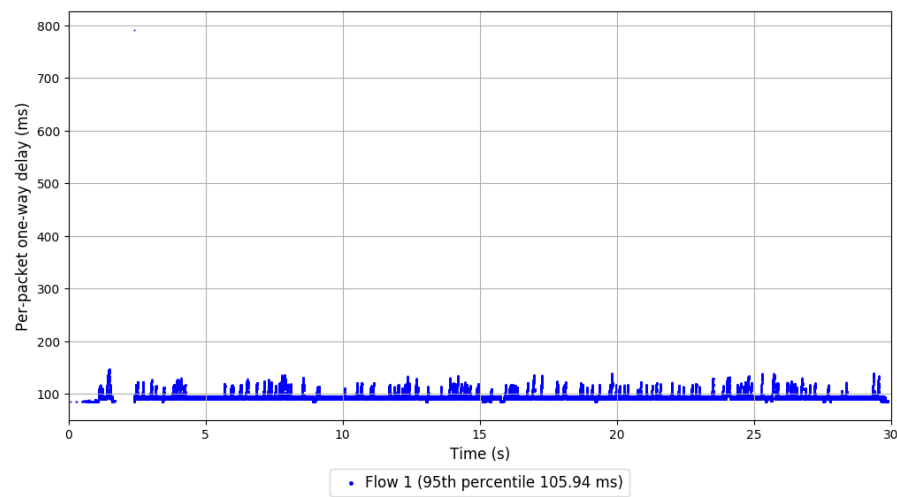
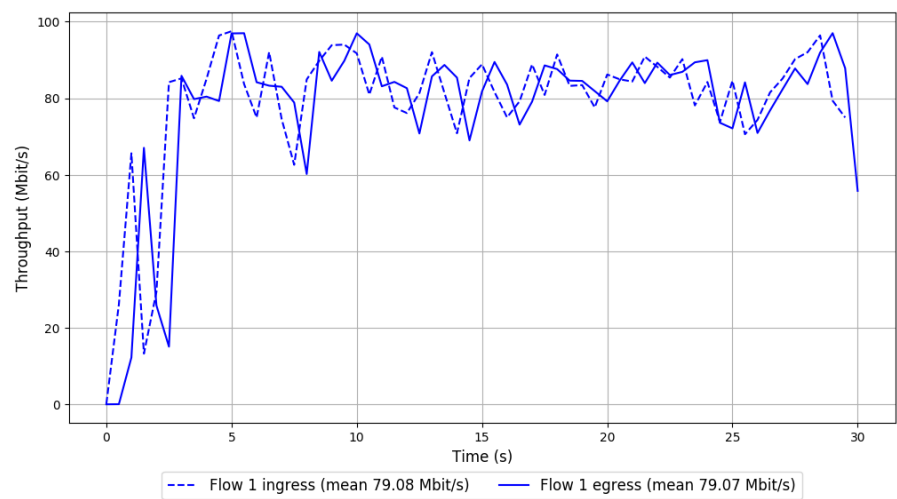
-- Flow 1:

Average throughput: 79.07 Mbit/s

95th percentile per-packet one-way delay: 105.939 ms

Loss rate: 0.61%

Run 2: Report of FillP — Data Link

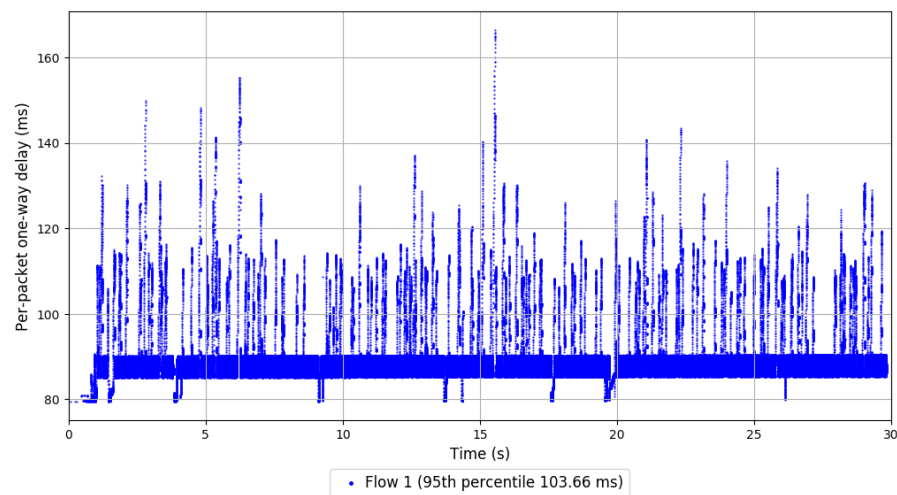
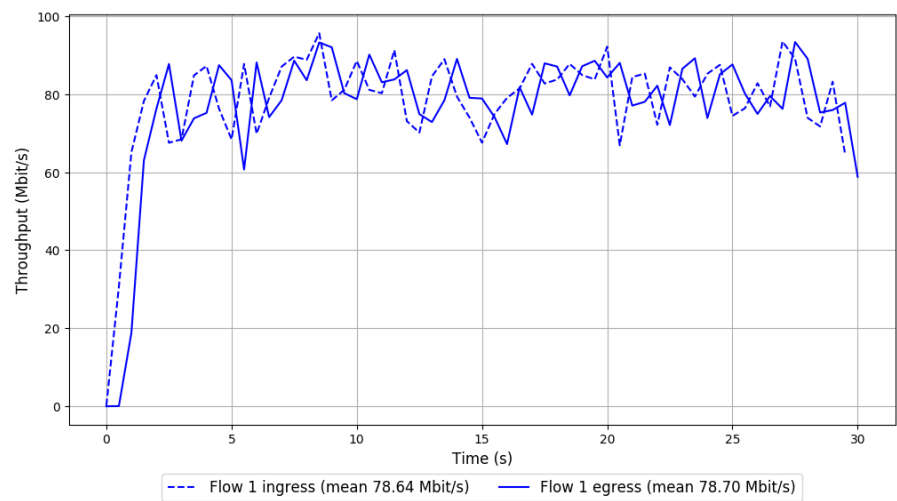


Run 3: Statistics of FillP

Start at: 2018-05-22 10:28:29
End at: 2018-05-22 10:28:59
Local clock offset: -2.591 ms
Remote clock offset: 12.959 ms

Below is generated by plot.py at 2018-05-22 12:59:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.70 Mbit/s
95th percentile per-packet one-way delay: 103.662 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 78.70 Mbit/s
95th percentile per-packet one-way delay: 103.662 ms
Loss rate: 0.49%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-05-22 10:46:47

End at: 2018-05-22 10:47:17

Local clock offset: -7.127 ms

Remote clock offset: 9.685 ms

Below is generated by plot.py at 2018-05-22 12:59:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.98 Mbit/s

95th percentile per-packet one-way delay: 91.460 ms

Loss rate: 0.57%

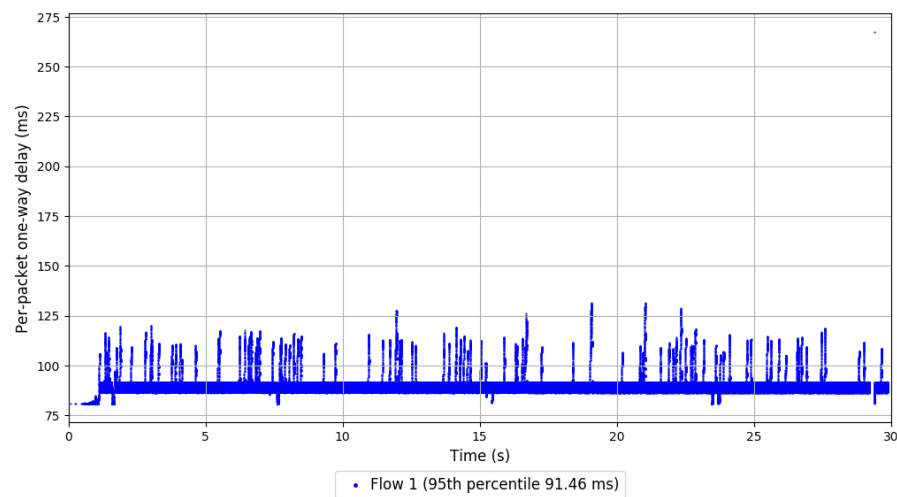
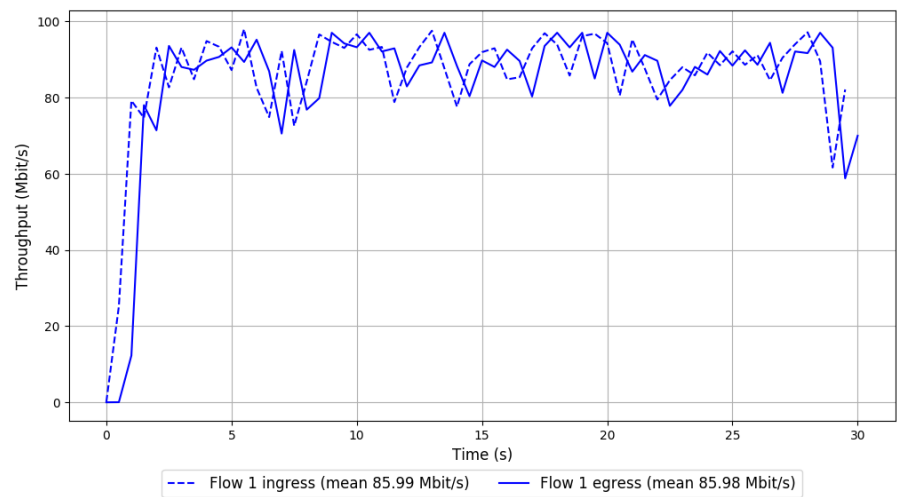
-- Flow 1:

Average throughput: 85.98 Mbit/s

95th percentile per-packet one-way delay: 91.460 ms

Loss rate: 0.57%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-22 11:05:10

End at: 2018-05-22 11:05:40

Local clock offset: -7.333 ms

Remote clock offset: 2.603 ms

Below is generated by plot.py at 2018-05-22 13:00:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 95.727 ms

Loss rate: 0.46%

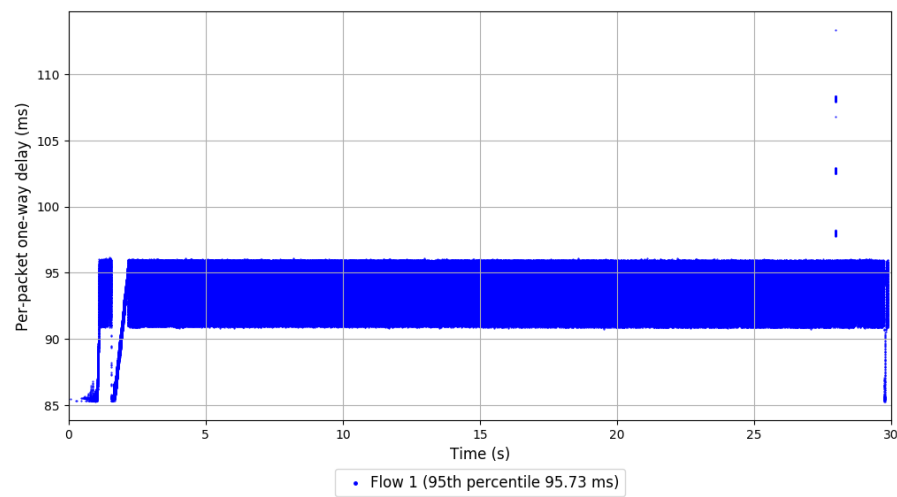
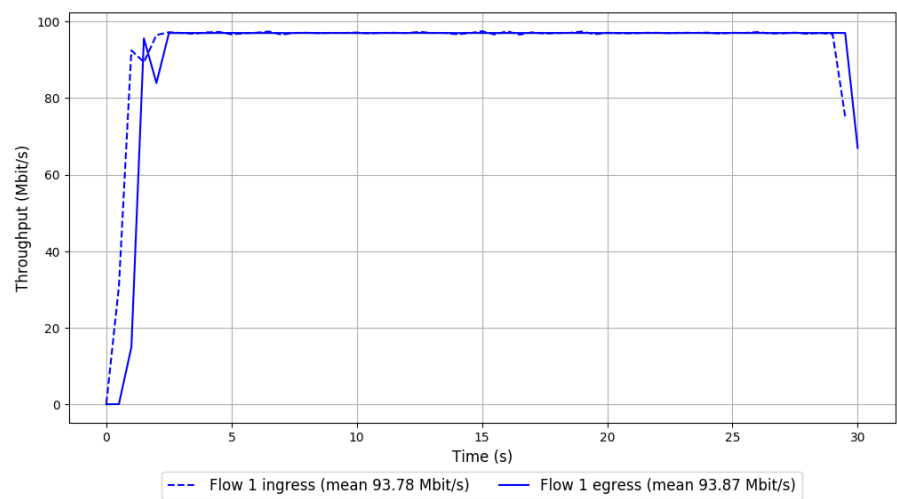
-- Flow 1:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 95.727 ms

Loss rate: 0.46%

Run 5: Report of FillP — Data Link

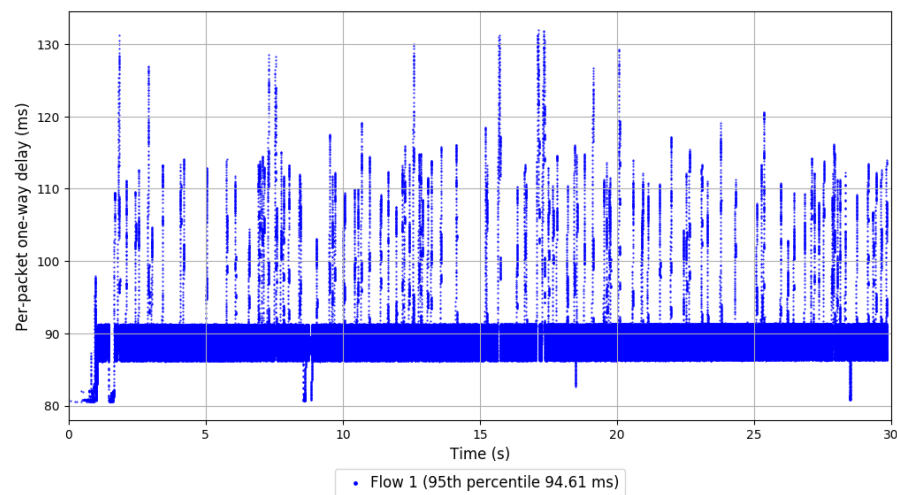
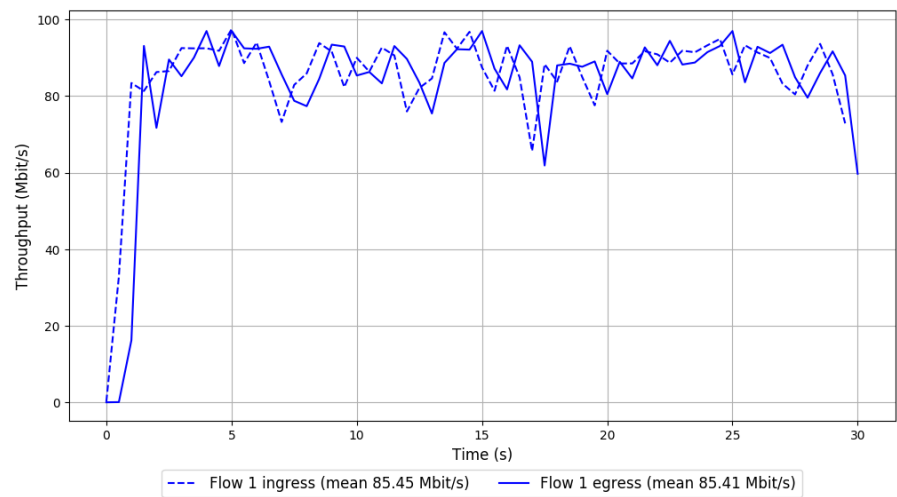


Run 6: Statistics of FillP

Start at: 2018-05-22 11:23:39
End at: 2018-05-22 11:24:09
Local clock offset: -6.55 ms
Remote clock offset: 13.637 ms

Below is generated by plot.py at 2018-05-22 13:00:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.41 Mbit/s
95th percentile per-packet one-way delay: 94.614 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 85.41 Mbit/s
95th percentile per-packet one-way delay: 94.614 ms
Loss rate: 0.60%

Run 6: Report of FillP — Data Link

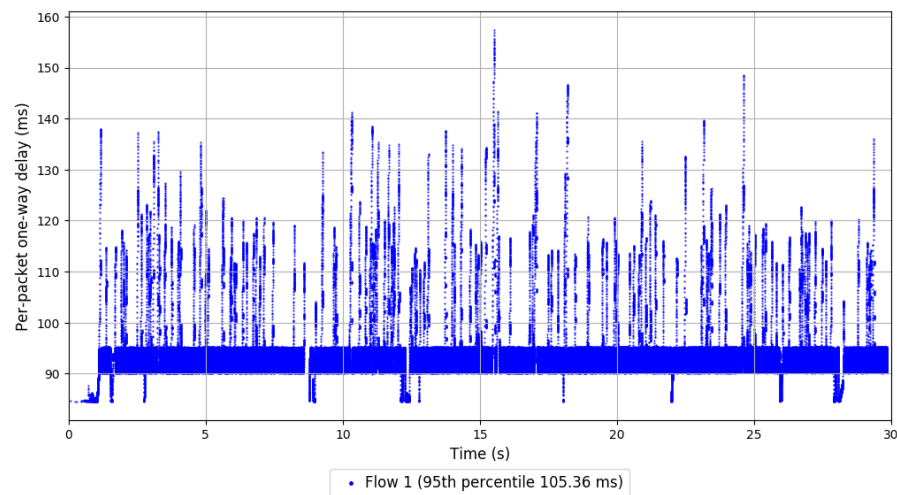
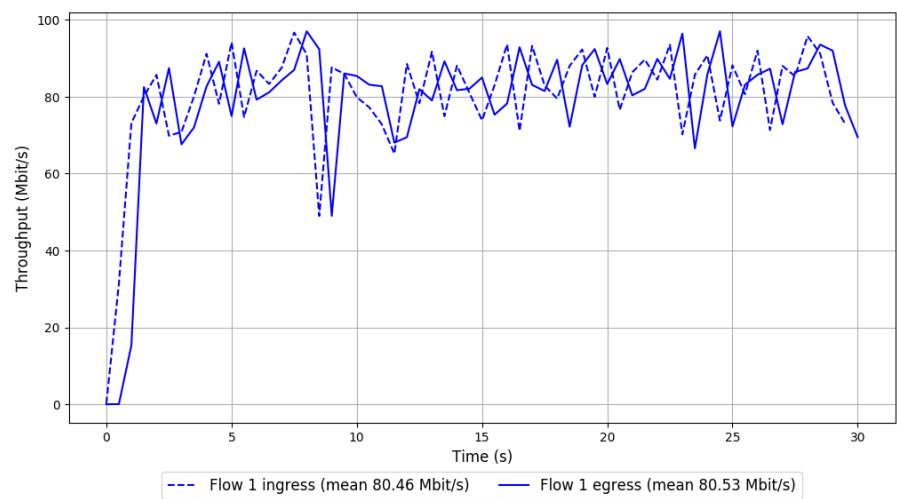


Run 7: Statistics of FillP

Start at: 2018-05-22 11:41:58
End at: 2018-05-22 11:42:28
Local clock offset: -6.276 ms
Remote clock offset: 10.512 ms

Below is generated by plot.py at 2018-05-22 13:00:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.53 Mbit/s
95th percentile per-packet one-way delay: 105.358 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 80.53 Mbit/s
95th percentile per-packet one-way delay: 105.358 ms
Loss rate: 0.46%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-22 12:00:14

End at: 2018-05-22 12:00:44

Local clock offset: -4.37 ms

Remote clock offset: 9.867 ms

Below is generated by plot.py at 2018-05-22 13:00:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.24 Mbit/s

95th percentile per-packet one-way delay: 101.445 ms

Loss rate: 0.58%

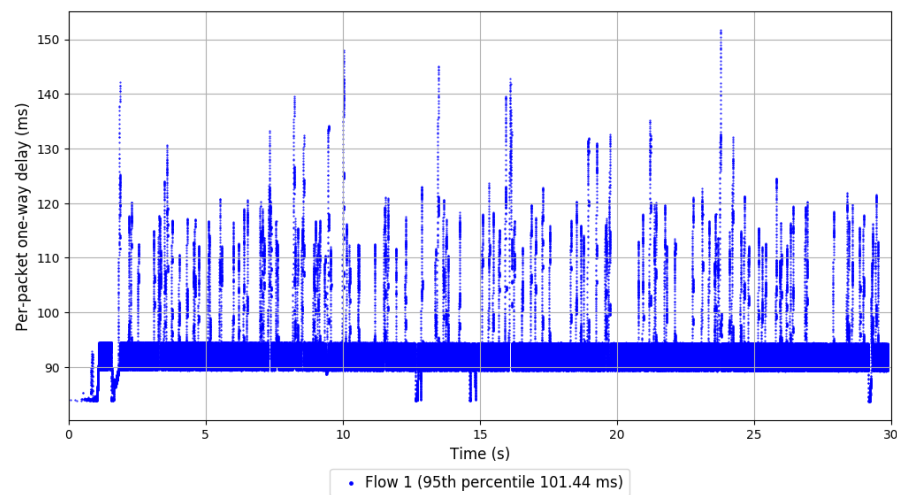
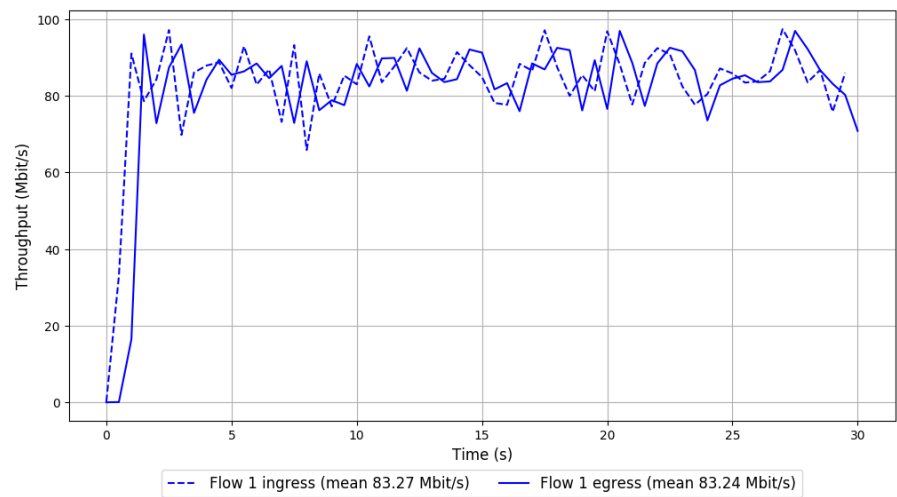
-- Flow 1:

Average throughput: 83.24 Mbit/s

95th percentile per-packet one-way delay: 101.445 ms

Loss rate: 0.58%

Run 8: Report of FillP — Data Link

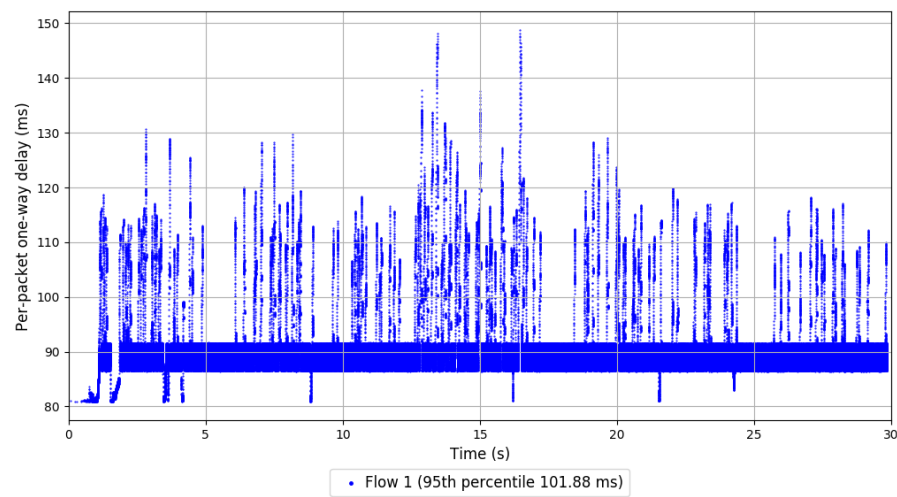
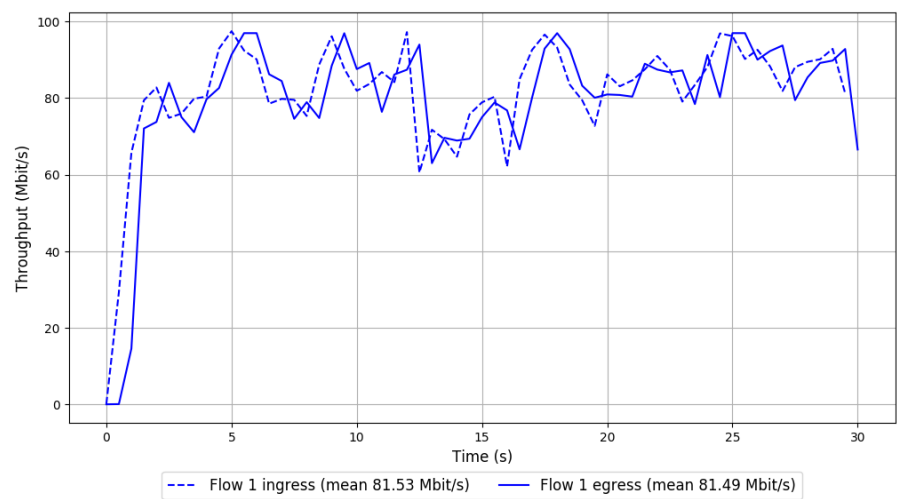


Run 9: Statistics of FillP

Start at: 2018-05-22 12:18:32
End at: 2018-05-22 12:19:02
Local clock offset: -1.199 ms
Remote clock offset: 14.554 ms

Below is generated by plot.py at 2018-05-22 13:00:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.49 Mbit/s
95th percentile per-packet one-way delay: 101.879 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 81.49 Mbit/s
95th percentile per-packet one-way delay: 101.879 ms
Loss rate: 0.66%

Run 9: Report of FillP — Data Link

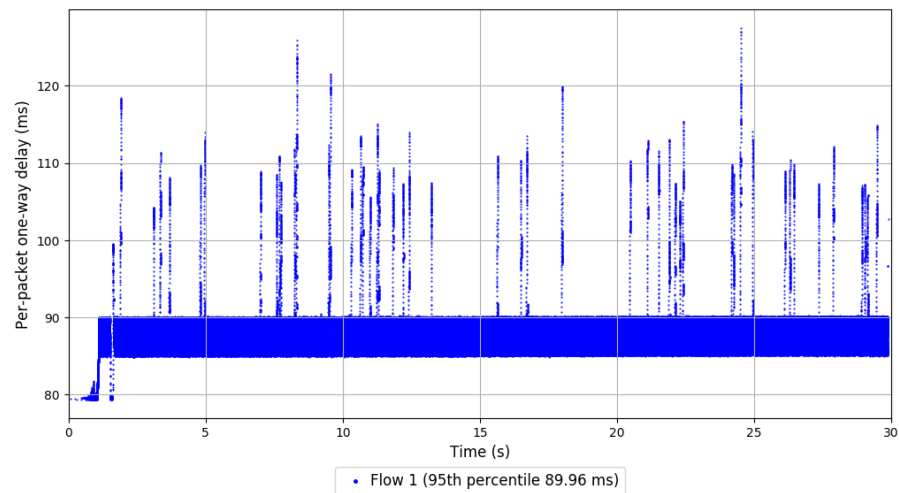
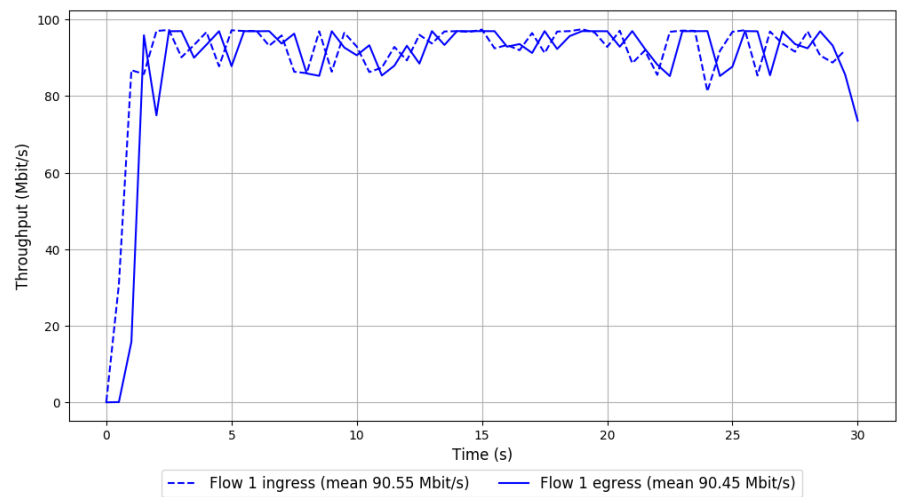


Run 10: Statistics of FillP

Start at: 2018-05-22 12:36:53
End at: 2018-05-22 12:37:23
Local clock offset: -5.2 ms
Remote clock offset: 12.937 ms

Below is generated by plot.py at 2018-05-22 13:01:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: 89.958 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: 89.958 ms
Loss rate: 0.65%

Run 10: Report of FillP — Data Link

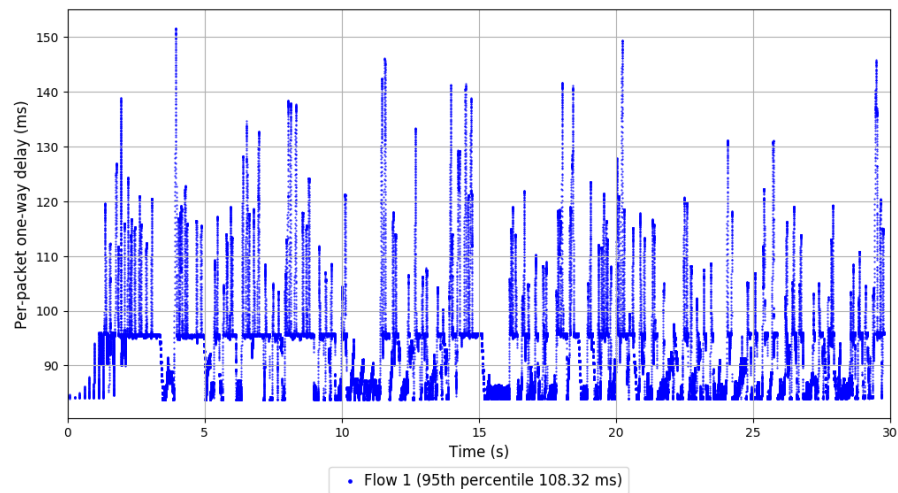
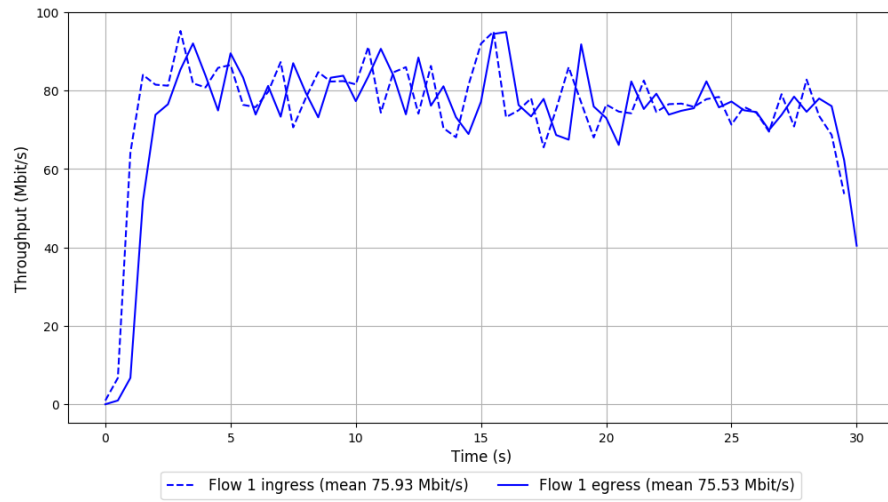


Run 1: Statistics of Indigo

Start at: 2018-05-22 10:03:25
End at: 2018-05-22 10:03:55
Local clock offset: -4.683 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-05-22 13:01:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.53 Mbit/s
95th percentile per-packet one-way delay: 108.319 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 75.53 Mbit/s
95th percentile per-packet one-way delay: 108.319 ms
Loss rate: 1.07%

Run 1: Report of Indigo — Data Link

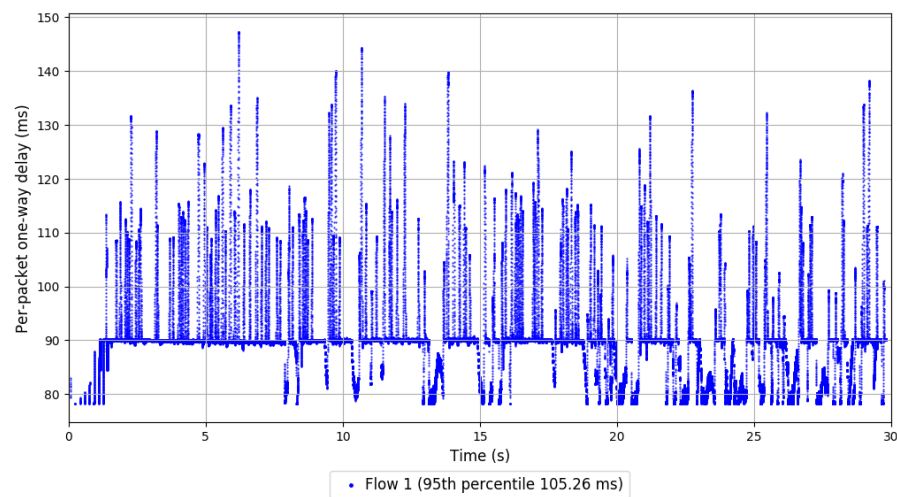
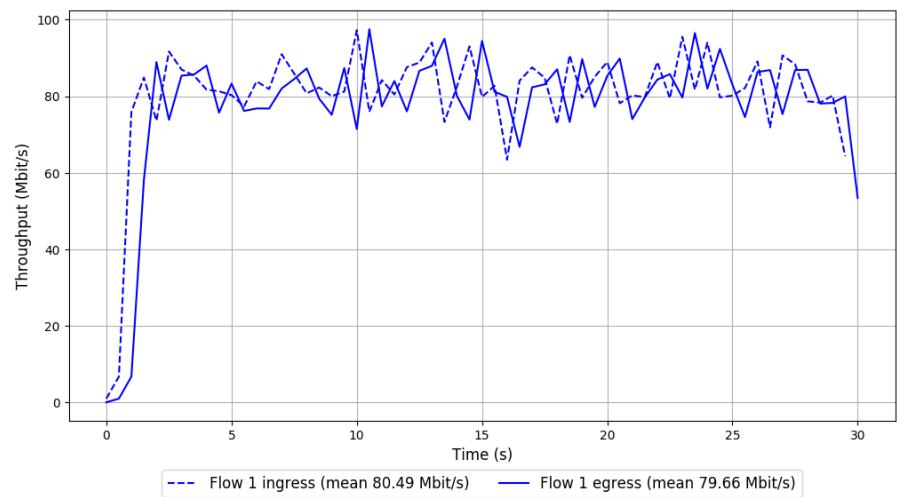


Run 2: Statistics of Indigo

Start at: 2018-05-22 10:21:42
End at: 2018-05-22 10:22:12
Local clock offset: -1.781 ms
Remote clock offset: 13.163 ms

Below is generated by plot.py at 2018-05-22 13:01:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.66 Mbit/s
95th percentile per-packet one-way delay: 105.259 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 79.66 Mbit/s
95th percentile per-packet one-way delay: 105.259 ms
Loss rate: 1.57%

Run 2: Report of Indigo — Data Link

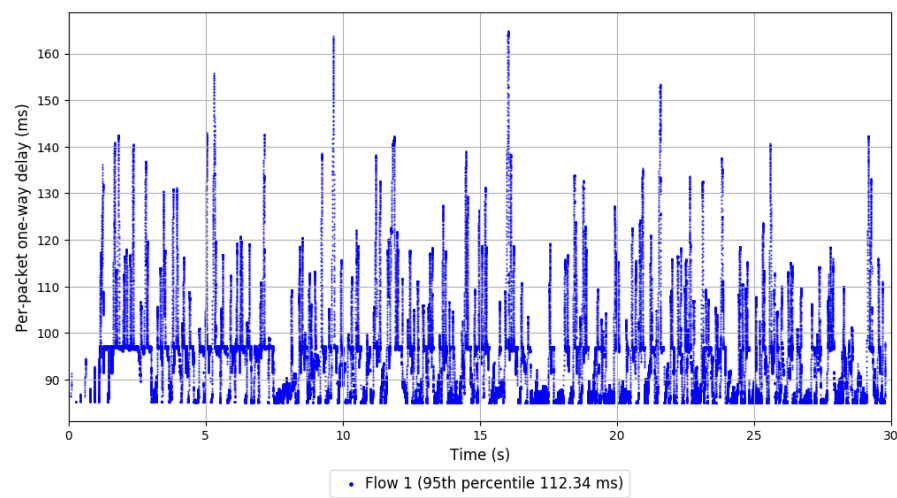
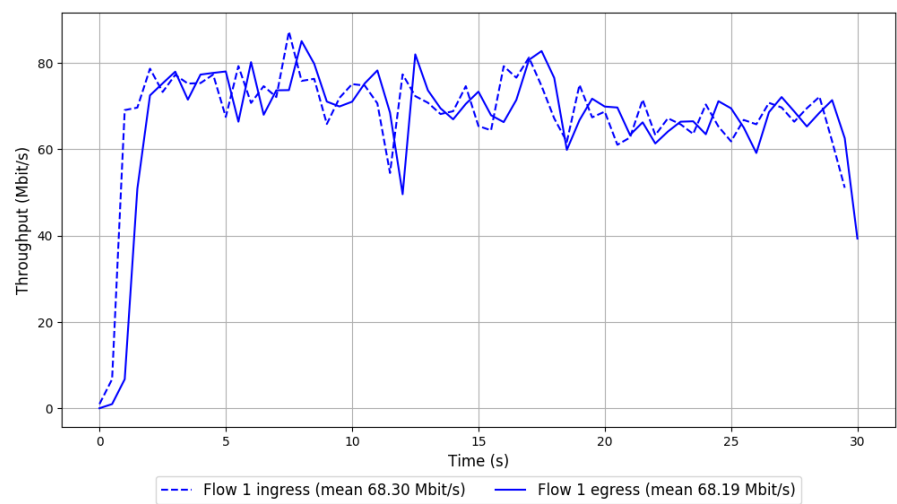


Run 3: Statistics of Indigo

Start at: 2018-05-22 10:40:00
End at: 2018-05-22 10:40:30
Local clock offset: -6.183 ms
Remote clock offset: 7.992 ms

Below is generated by plot.py at 2018-05-22 13:01:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.19 Mbit/s
95th percentile per-packet one-way delay: 112.339 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 68.19 Mbit/s
95th percentile per-packet one-way delay: 112.339 ms
Loss rate: 0.70%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-22 10:58:21

End at: 2018-05-22 10:58:51

Local clock offset: -7.747 ms

Remote clock offset: 4.033 ms

Below is generated by plot.py at 2018-05-22 13:01:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 92.349 ms

Loss rate: 0.60%

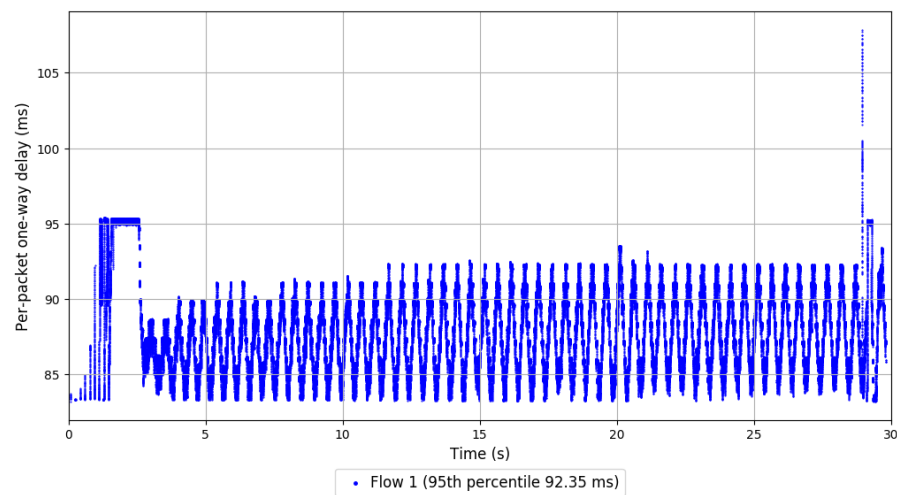
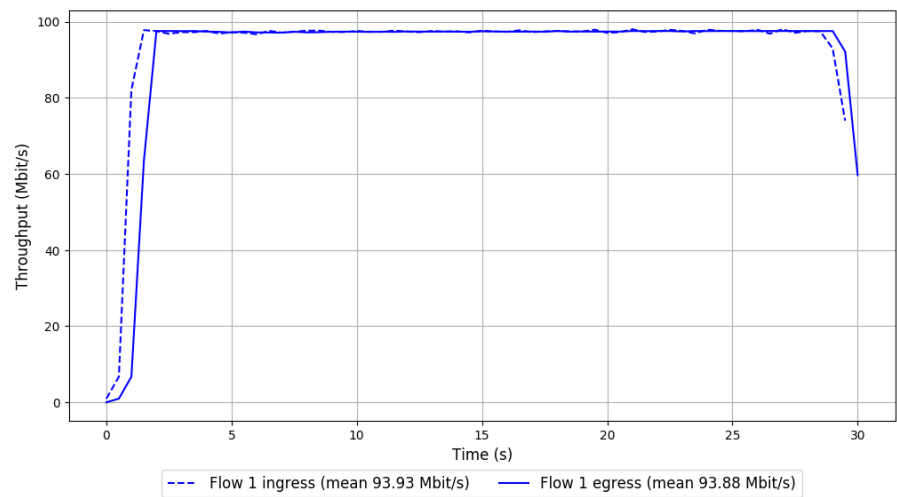
-- Flow 1:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 92.349 ms

Loss rate: 0.60%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-22 11:16:50

End at: 2018-05-22 11:17:20

Local clock offset: 12.278 ms

Remote clock offset: 5.706 ms

Below is generated by plot.py at 2018-05-22 13:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 108.891 ms

Loss rate: 0.58%

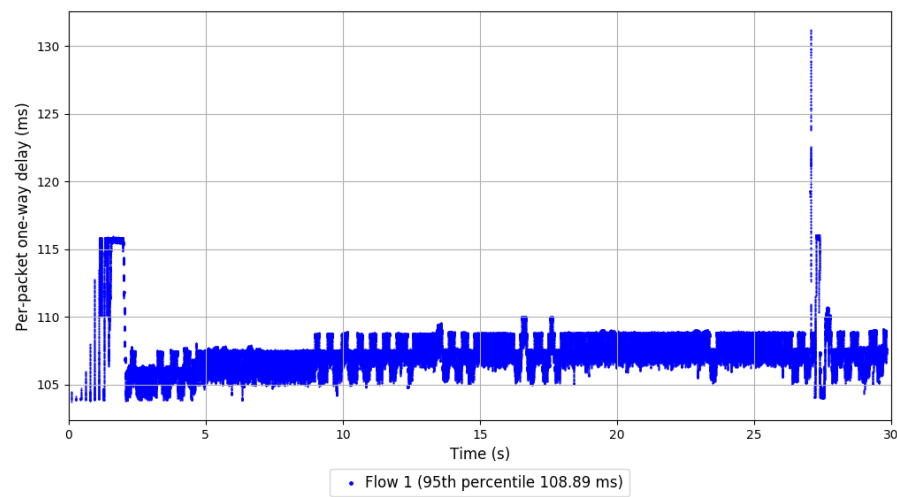
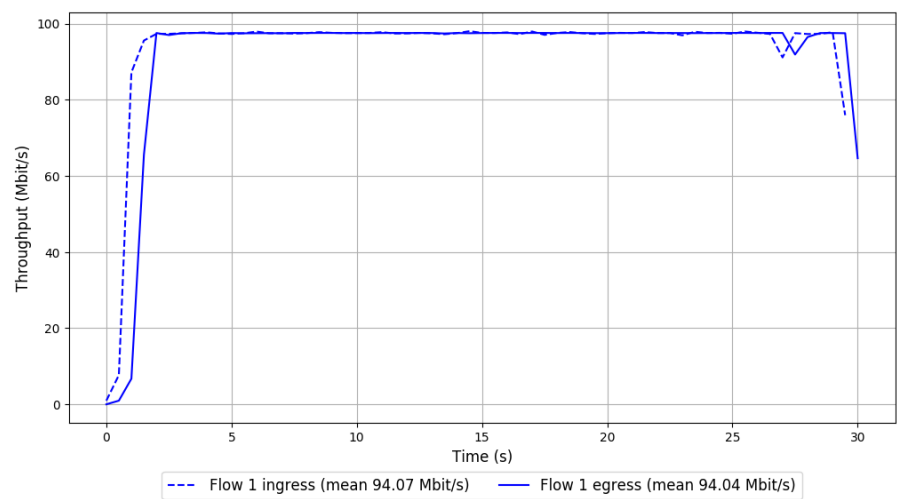
-- Flow 1:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 108.891 ms

Loss rate: 0.58%

Run 5: Report of Indigo — Data Link

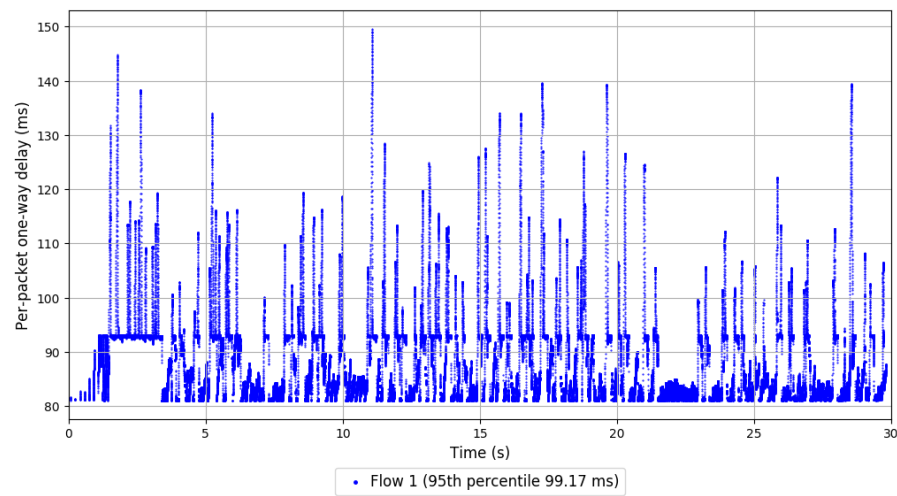
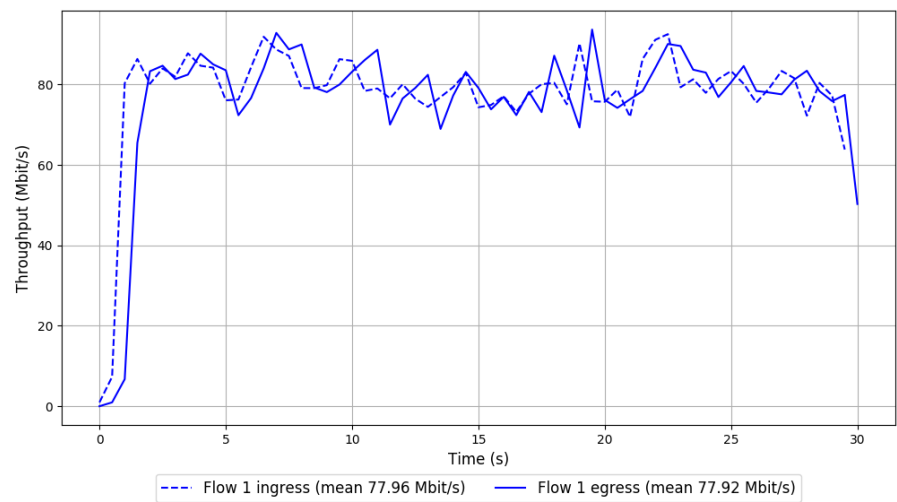


Run 6: Statistics of Indigo

Start at: 2018-05-22 11:35:11
End at: 2018-05-22 11:35:41
Local clock offset: -7.067 ms
Remote clock offset: 14.652 ms

Below is generated by plot.py at 2018-05-22 13:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.92 Mbit/s
95th percentile per-packet one-way delay: 99.167 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 77.92 Mbit/s
95th percentile per-packet one-way delay: 99.167 ms
Loss rate: 0.63%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-22 11:53:27

End at: 2018-05-22 11:53:57

Local clock offset: -7.14 ms

Remote clock offset: 9.95 ms

Below is generated by plot.py at 2018-05-22 13:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.87 Mbit/s

95th percentile per-packet one-way delay: 109.410 ms

Loss rate: 0.64%

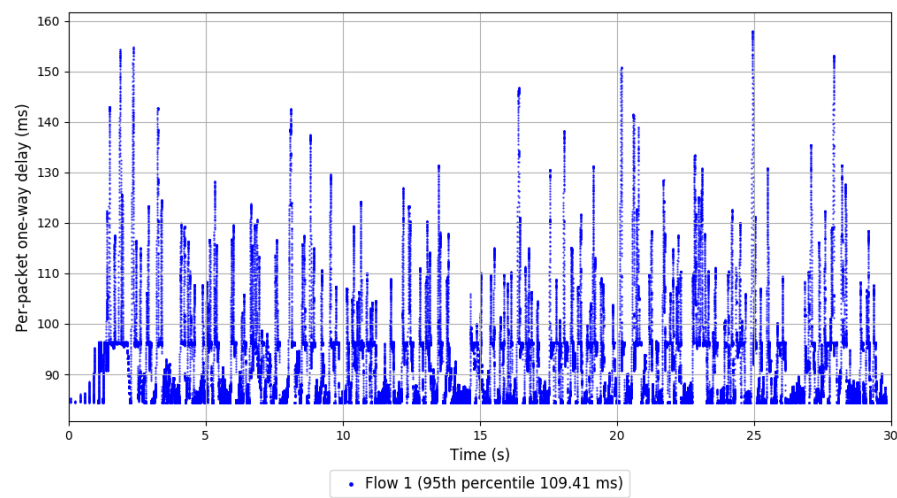
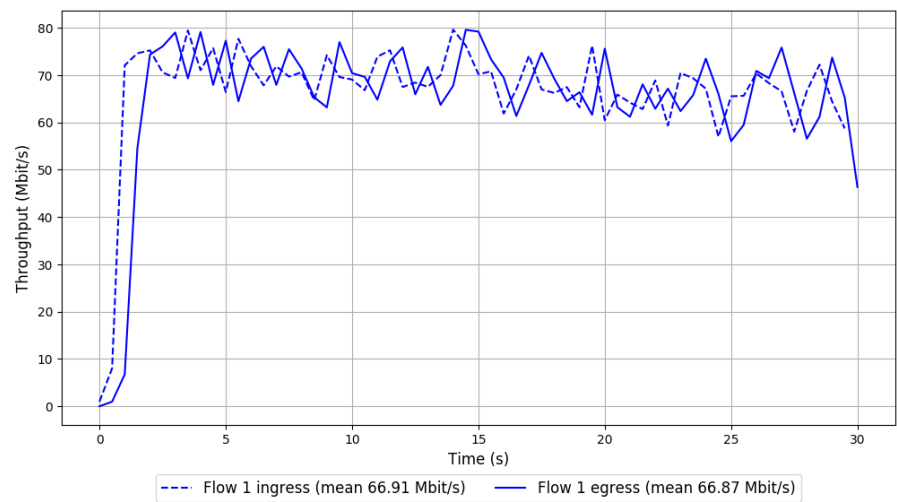
-- Flow 1:

Average throughput: 66.87 Mbit/s

95th percentile per-packet one-way delay: 109.410 ms

Loss rate: 0.64%

Run 7: Report of Indigo — Data Link

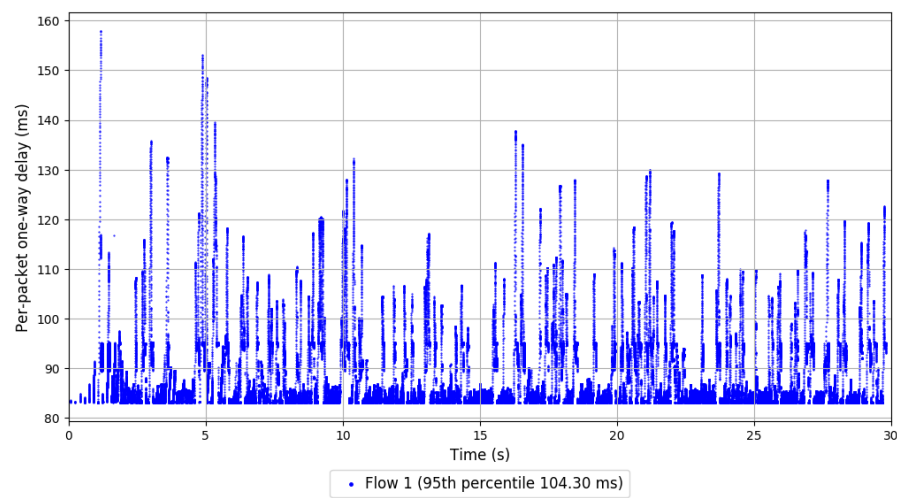
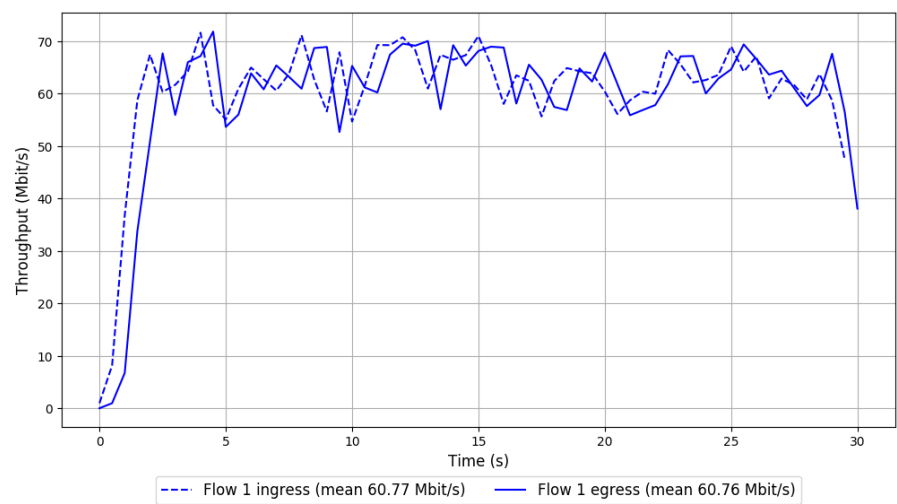


Run 8: Statistics of Indigo

Start at: 2018-05-22 12:11:46
End at: 2018-05-22 12:12:16
Local clock offset: -2.07 ms
Remote clock offset: 10.688 ms

Below is generated by plot.py at 2018-05-22 13:01:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.76 Mbit/s
95th percentile per-packet one-way delay: 104.302 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 60.76 Mbit/s
95th percentile per-packet one-way delay: 104.302 ms
Loss rate: 0.57%

Run 8: Report of Indigo — Data Link

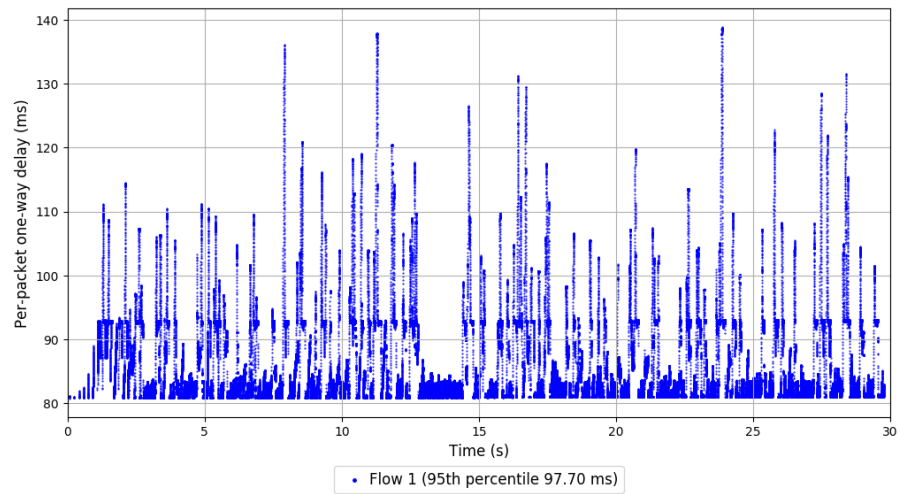
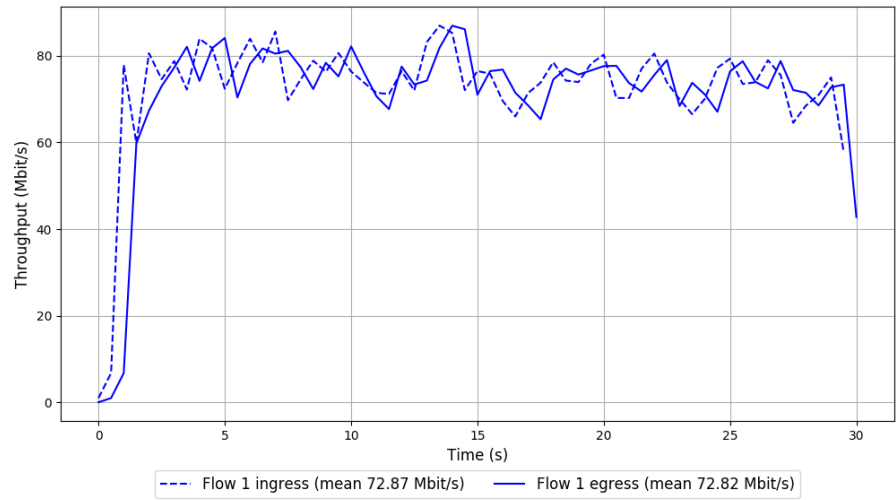


Run 9: Statistics of Indigo

Start at: 2018-05-22 12:30:06
End at: 2018-05-22 12:30:36
Local clock offset: -2.607 ms
Remote clock offset: 14.119 ms

Below is generated by plot.py at 2018-05-22 13:01:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.82 Mbit/s
95th percentile per-packet one-way delay: 97.697 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 72.82 Mbit/s
95th percentile per-packet one-way delay: 97.697 ms
Loss rate: 0.62%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-22 12:48:33

End at: 2018-05-22 12:49:03

Local clock offset: -7.716 ms

Remote clock offset: 12.712 ms

Below is generated by plot.py at 2018-05-22 13:02:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.89 Mbit/s

95th percentile per-packet one-way delay: 83.640 ms

Loss rate: 0.59%

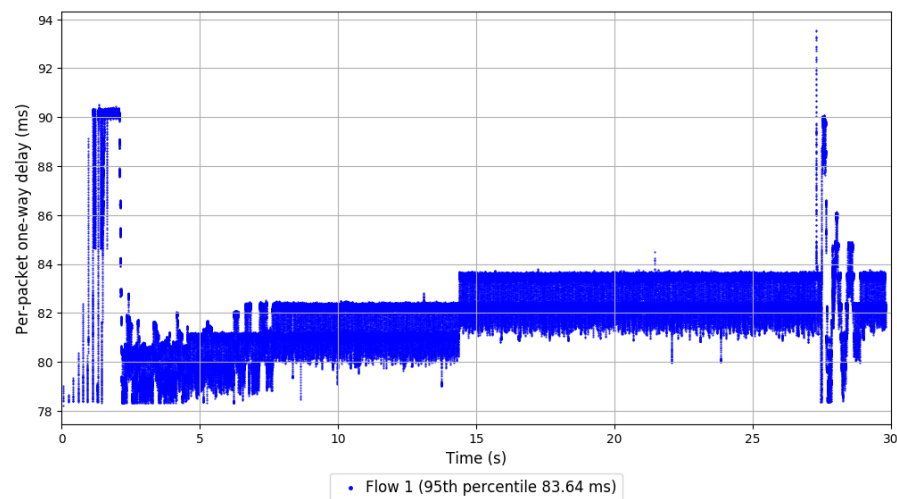
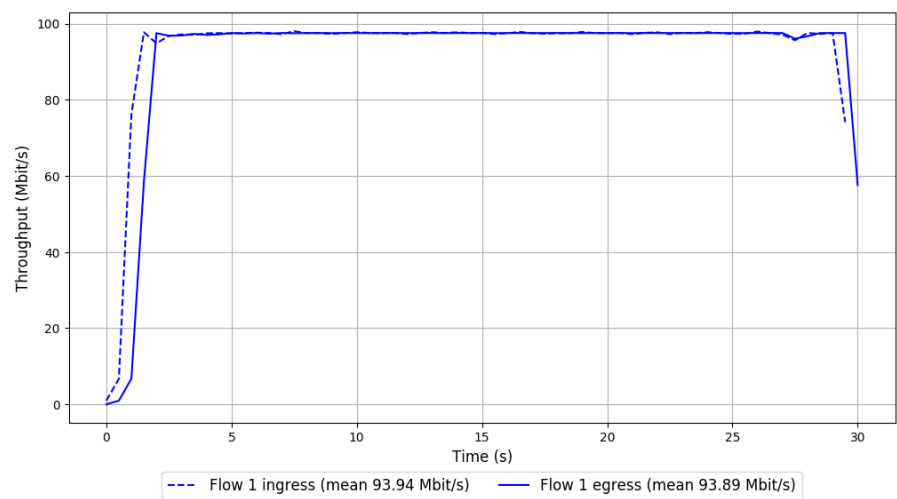
-- Flow 1:

Average throughput: 93.89 Mbit/s

95th percentile per-packet one-way delay: 83.640 ms

Loss rate: 0.59%

Run 10: Report of Indigo — Data Link

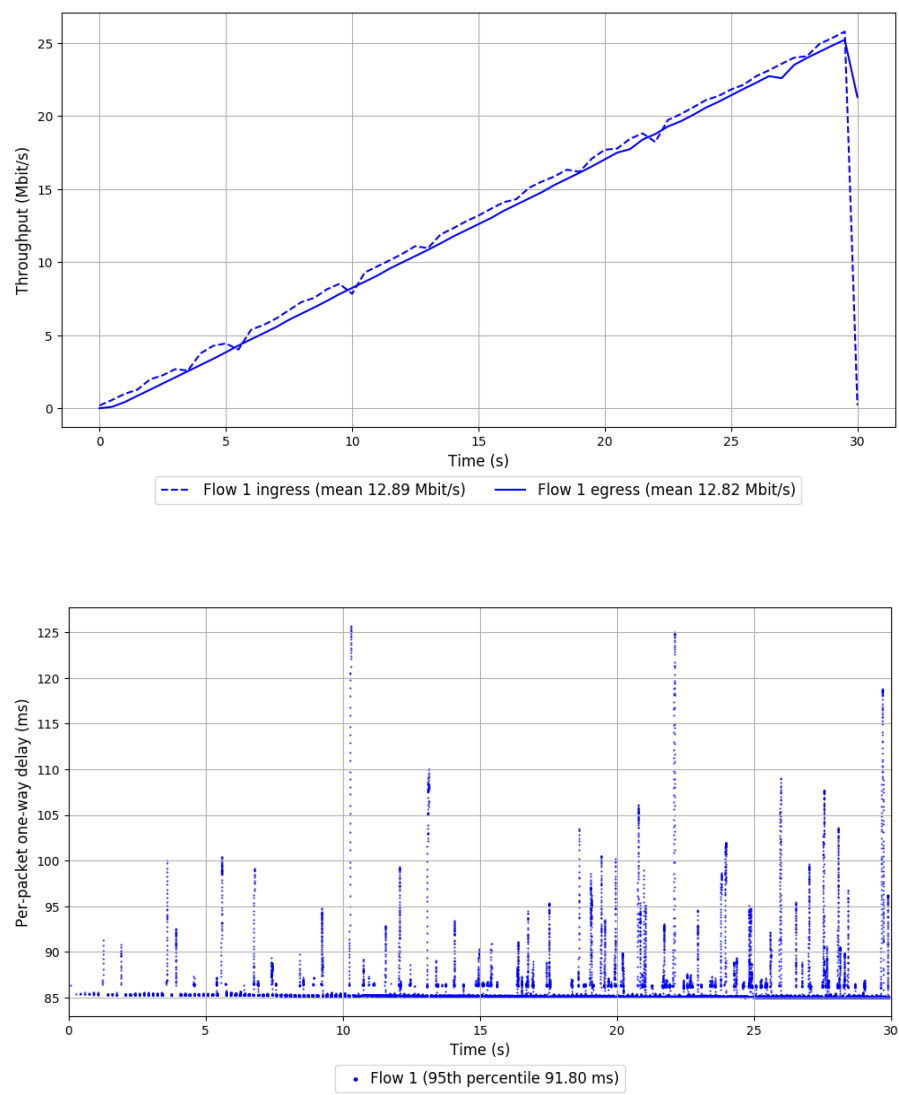


Run 1: Statistics of LEDBAT

Start at: 2018-05-22 09:58:52
End at: 2018-05-22 09:59:22
Local clock offset: -6.915 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-05-22 13:02:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 91.799 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 91.799 ms
Loss rate: 1.11%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-05-22 10:17:09

End at: 2018-05-22 10:17:39

Local clock offset: -2.125 ms

Remote clock offset: 6.741 ms

Below is generated by plot.py at 2018-05-22 13:02:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.32 Mbit/s

95th percentile per-packet one-way delay: 90.799 ms

Loss rate: 1.09%

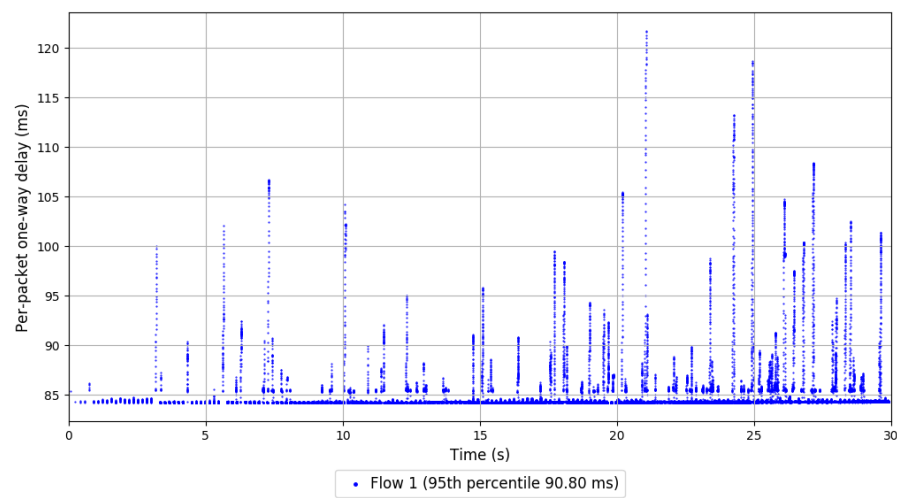
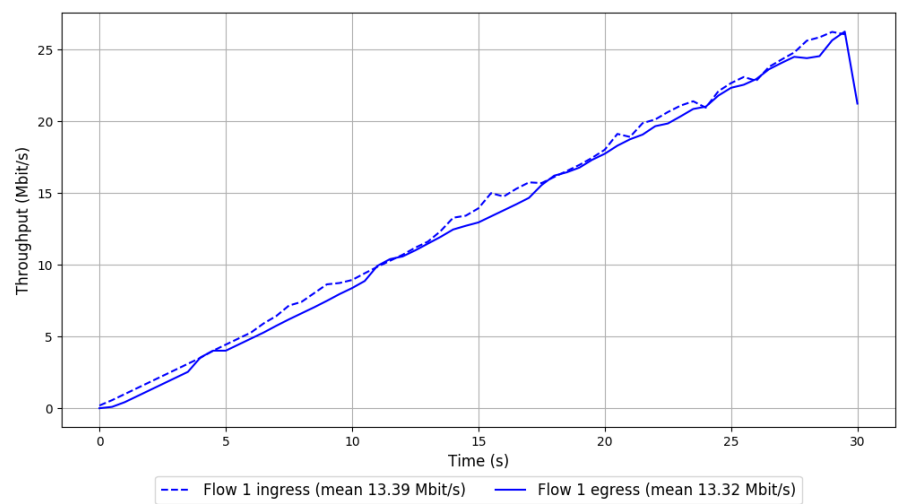
-- Flow 1:

Average throughput: 13.32 Mbit/s

95th percentile per-packet one-way delay: 90.799 ms

Loss rate: 1.09%

Run 2: Report of LEDBAT — Data Link

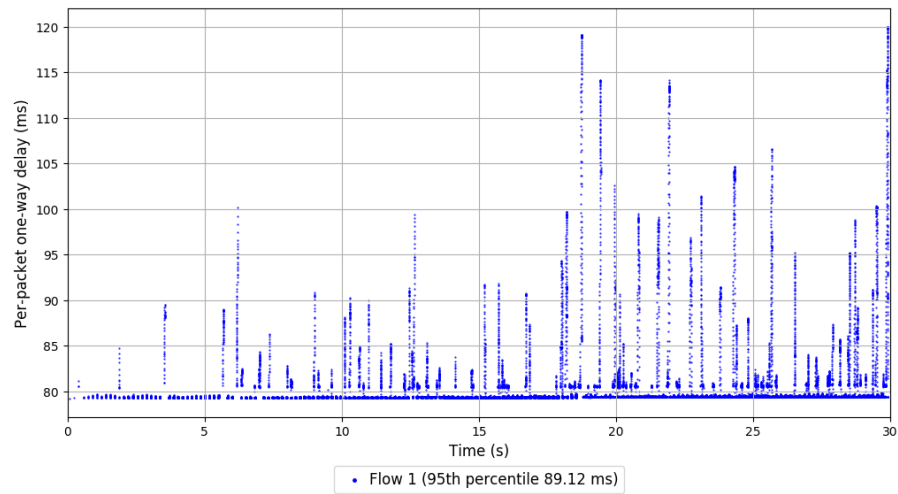
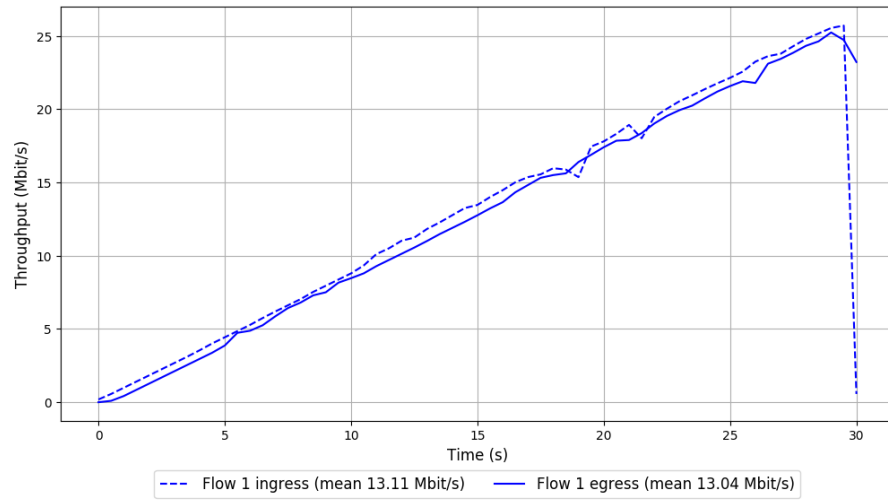


Run 3: Statistics of LEDBAT

Start at: 2018-05-22 10:35:26
End at: 2018-05-22 10:35:56
Local clock offset: -5.315 ms
Remote clock offset: 13.362 ms

Below is generated by plot.py at 2018-05-22 13:02:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.04 Mbit/s
95th percentile per-packet one-way delay: 89.119 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 13.04 Mbit/s
95th percentile per-packet one-way delay: 89.119 ms
Loss rate: 1.09%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-22 10:53:45

End at: 2018-05-22 10:54:15

Local clock offset: -7.826 ms

Remote clock offset: 4.593 ms

Below is generated by plot.py at 2018-05-22 13:02:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 89.891 ms

Loss rate: 1.10%

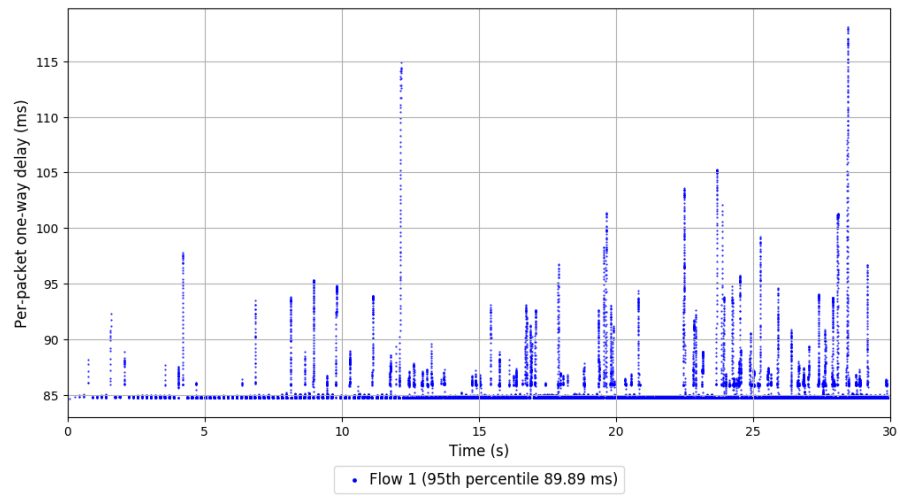
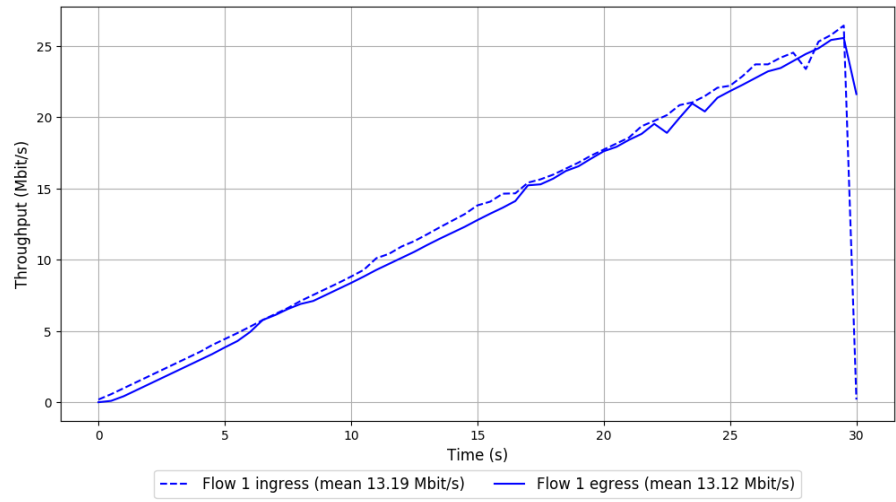
-- Flow 1:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 89.891 ms

Loss rate: 1.10%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-22 11:12:12

End at: 2018-05-22 11:12:43

Local clock offset: 12.493 ms

Remote clock offset: 7.685 ms

Below is generated by plot.py at 2018-05-22 13:02:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.23 Mbit/s

95th percentile per-packet one-way delay: 101.549 ms

Loss rate: 1.10%

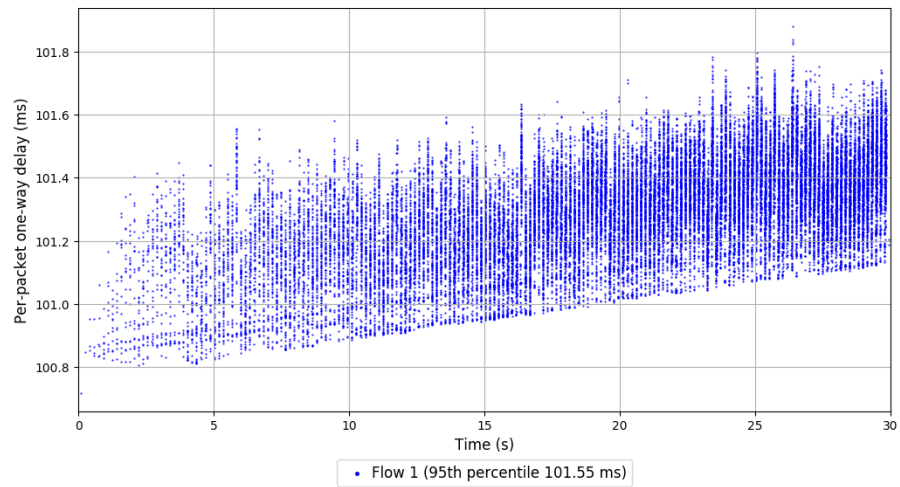
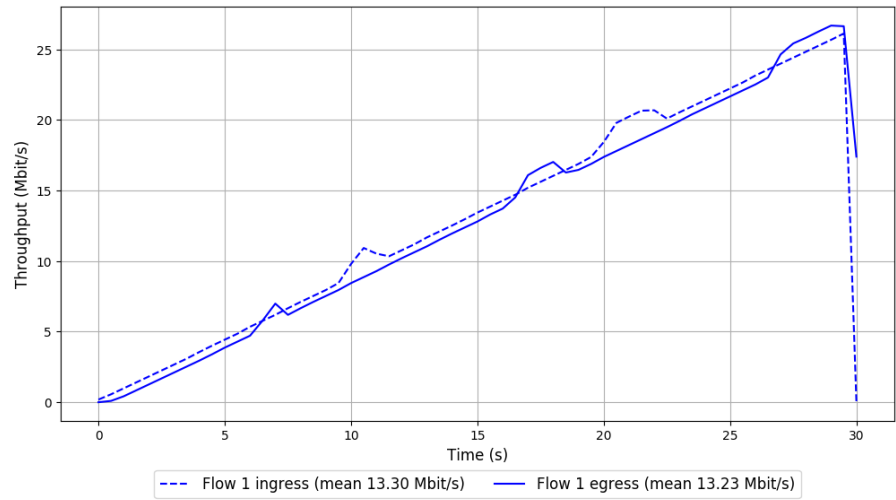
-- Flow 1:

Average throughput: 13.23 Mbit/s

95th percentile per-packet one-way delay: 101.549 ms

Loss rate: 1.10%

Run 5: Report of LEDBAT — Data Link

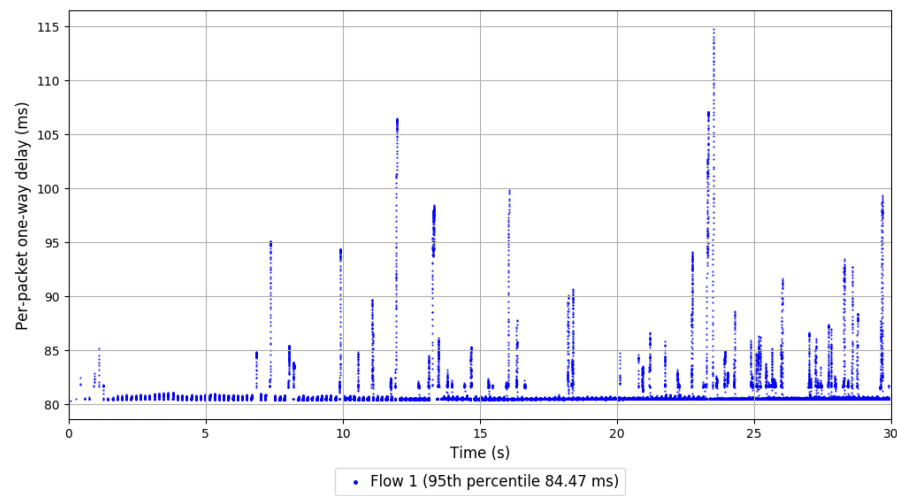
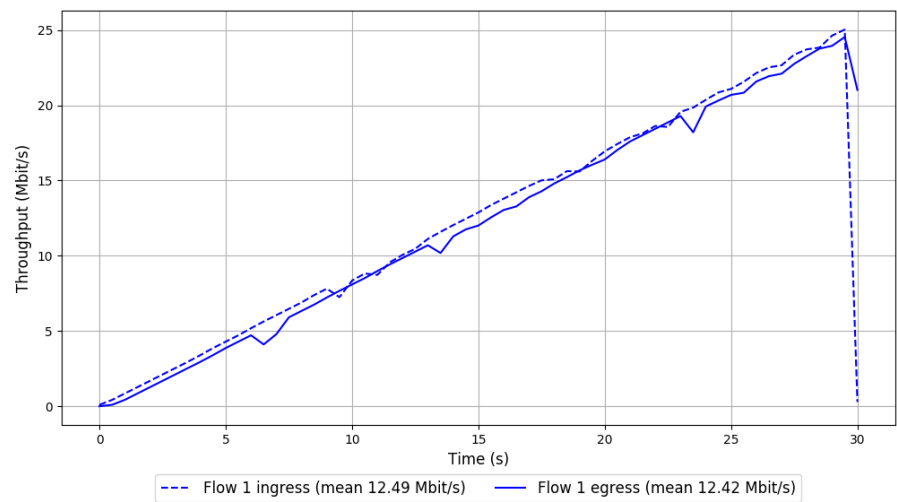


Run 6: Statistics of LEDBAT

Start at: 2018-05-22 11:30:37
End at: 2018-05-22 11:31:07
Local clock offset: -6.419 ms
Remote clock offset: 14.114 ms

Below is generated by plot.py at 2018-05-22 13:02:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.42 Mbit/s
95th percentile per-packet one-way delay: 84.468 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 12.42 Mbit/s
95th percentile per-packet one-way delay: 84.468 ms
Loss rate: 1.10%

Run 6: Report of LEDBAT — Data Link

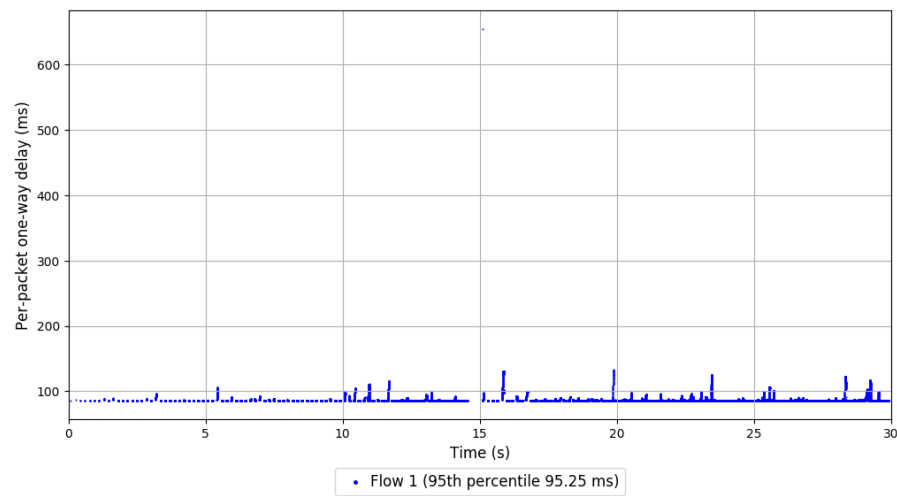
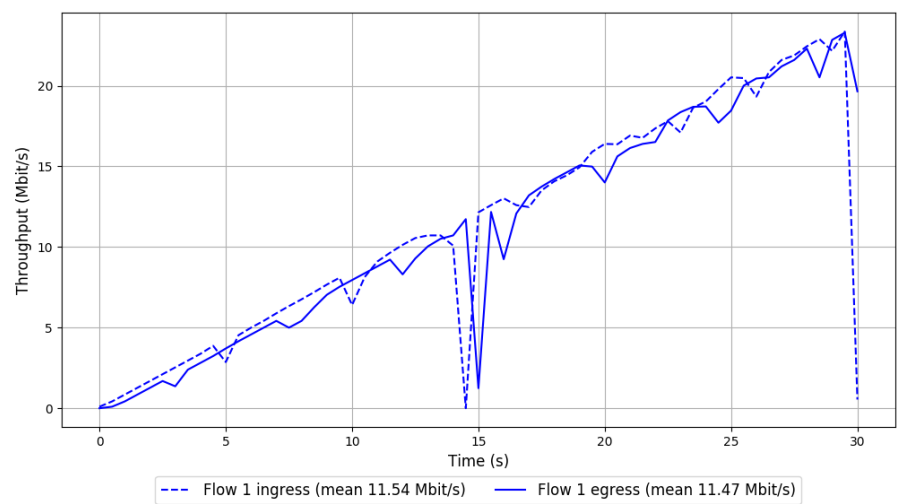


Run 7: Statistics of LEDBAT

Start at: 2018-05-22 11:48:55
End at: 2018-05-22 11:49:25
Local clock offset: -6.323 ms
Remote clock offset: 11.169 ms

Below is generated by plot.py at 2018-05-22 13:02:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.47 Mbit/s
95th percentile per-packet one-way delay: 95.249 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 11.47 Mbit/s
95th percentile per-packet one-way delay: 95.249 ms
Loss rate: 1.12%

Run 7: Report of LEDBAT — Data Link

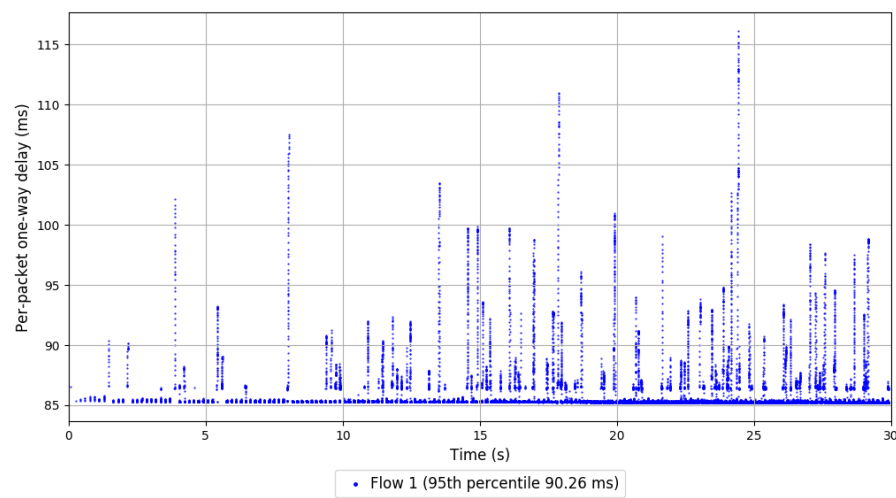
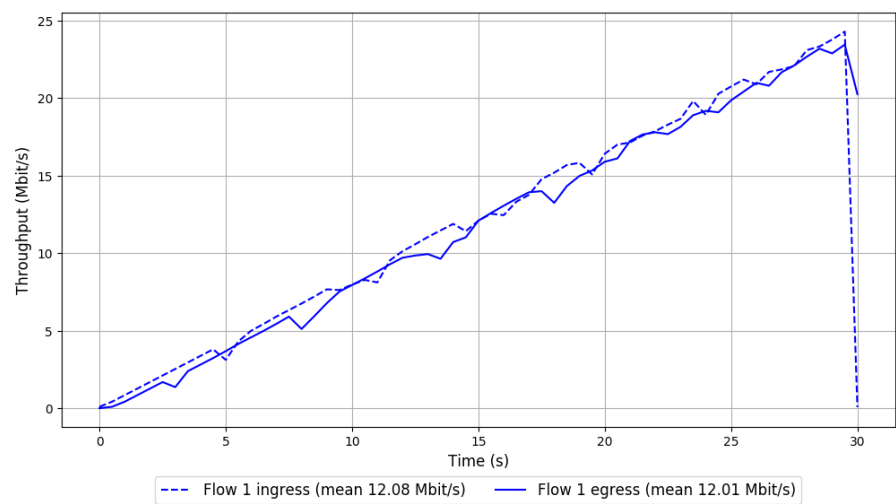


Run 8: Statistics of LEDBAT

Start at: 2018-05-22 12:07:12
End at: 2018-05-22 12:07:42
Local clock offset: -2.158 ms
Remote clock offset: 10.656 ms

Below is generated by plot.py at 2018-05-22 13:02:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 90.257 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 90.257 ms
Loss rate: 1.11%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-22 12:25:31

End at: 2018-05-22 12:26:01

Local clock offset: -0.573 ms

Remote clock offset: 9.01 ms

Below is generated by plot.py at 2018-05-22 13:02:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 88.009 ms

Loss rate: 1.09%

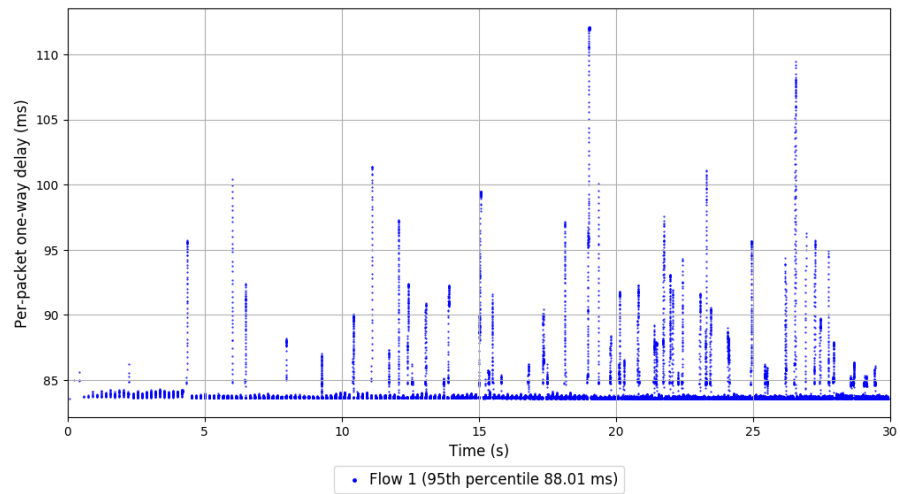
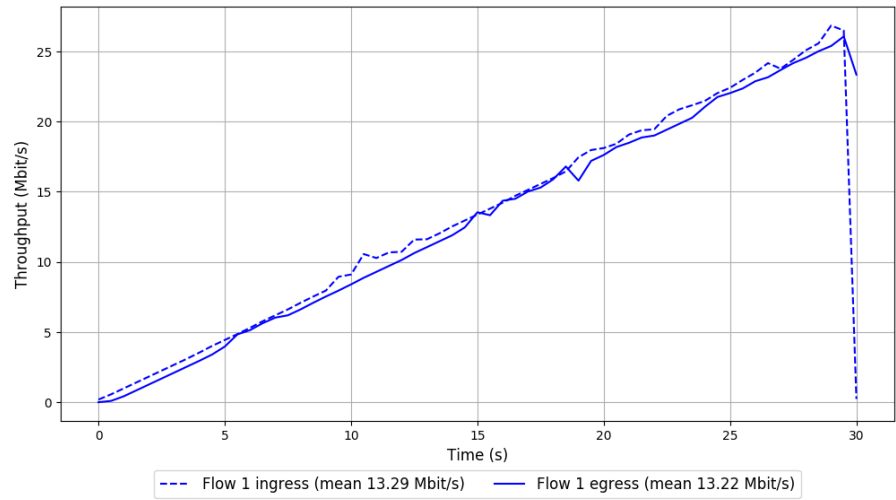
-- Flow 1:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 88.009 ms

Loss rate: 1.09%

Run 9: Report of LEDBAT — Data Link

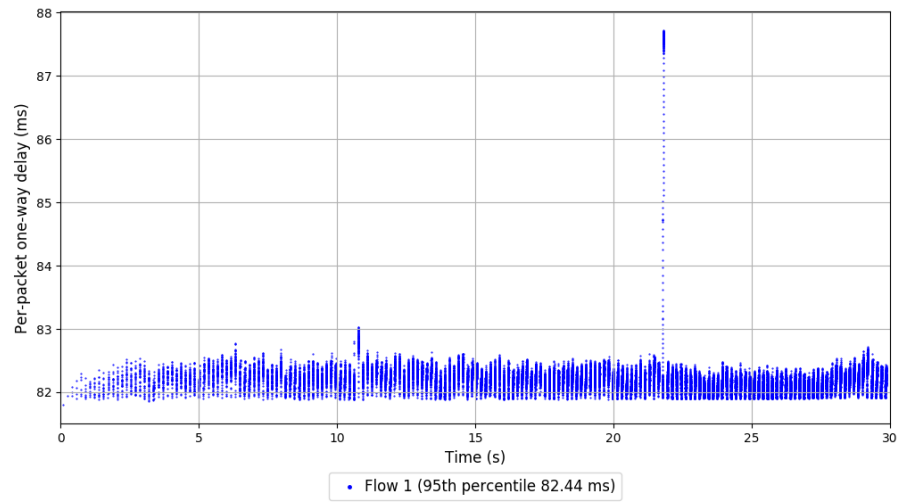
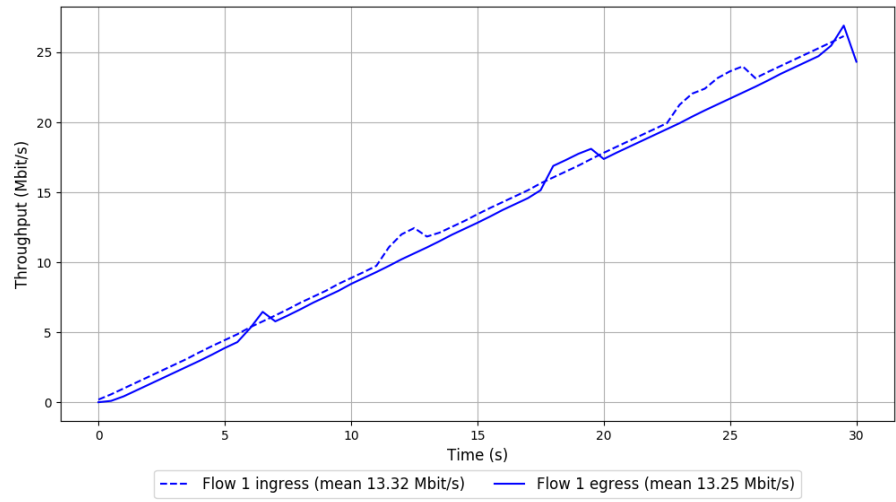


Run 10: Statistics of LEDBAT

Start at: 2018-05-22 12:43:55
End at: 2018-05-22 12:44:25
Local clock offset: -5.708 ms
Remote clock offset: 12.779 ms

Below is generated by plot.py at 2018-05-22 13:02:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 82.436 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 82.436 ms
Loss rate: 1.10%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-22 09:56:33

End at: 2018-05-22 09:57:03

Local clock offset: -8.364 ms

Remote clock offset: 1.032 ms

Below is generated by plot.py at 2018-05-22 13:02:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.35 Mbit/s

95th percentile per-packet one-way delay: 90.785 ms

Loss rate: 0.81%

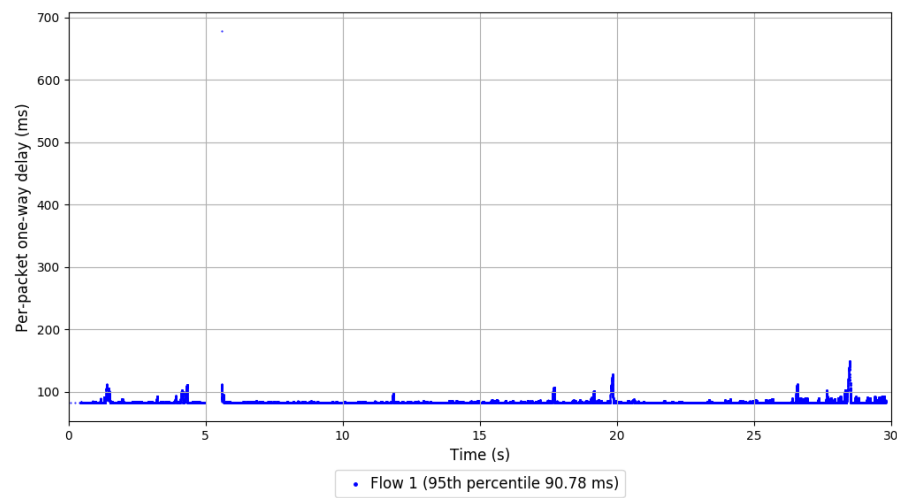
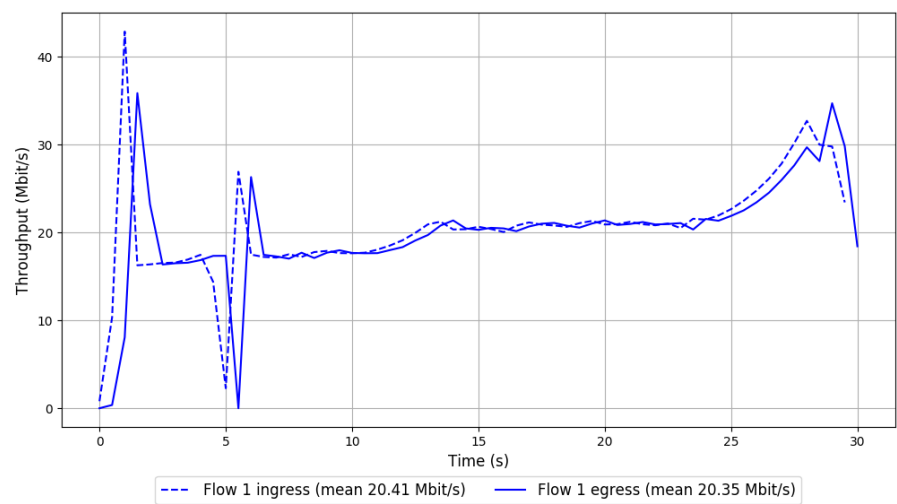
-- Flow 1:

Average throughput: 20.35 Mbit/s

95th percentile per-packet one-way delay: 90.785 ms

Loss rate: 0.81%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-22 10:14:48

End at: 2018-05-22 10:15:18

Local clock offset: -2.382 ms

Remote clock offset: 10.772 ms

Below is generated by plot.py at 2018-05-22 13:02:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.70 Mbit/s

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

Loss rate: 1.16%

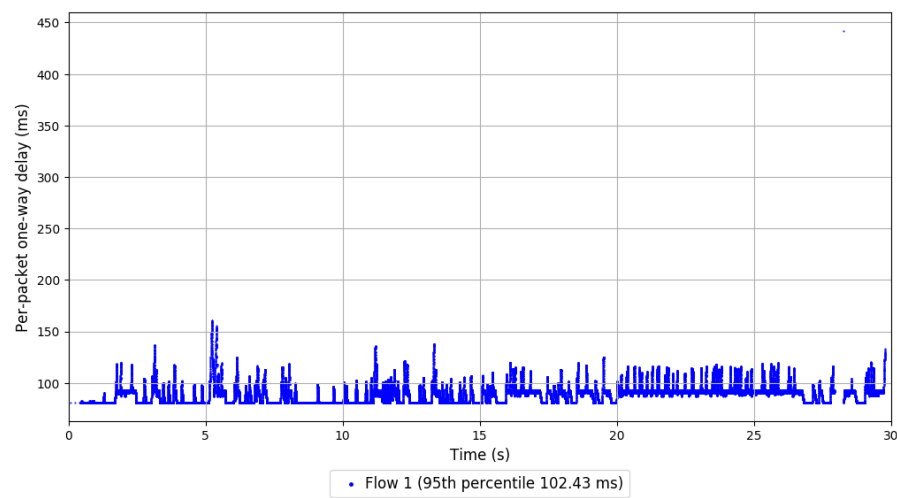
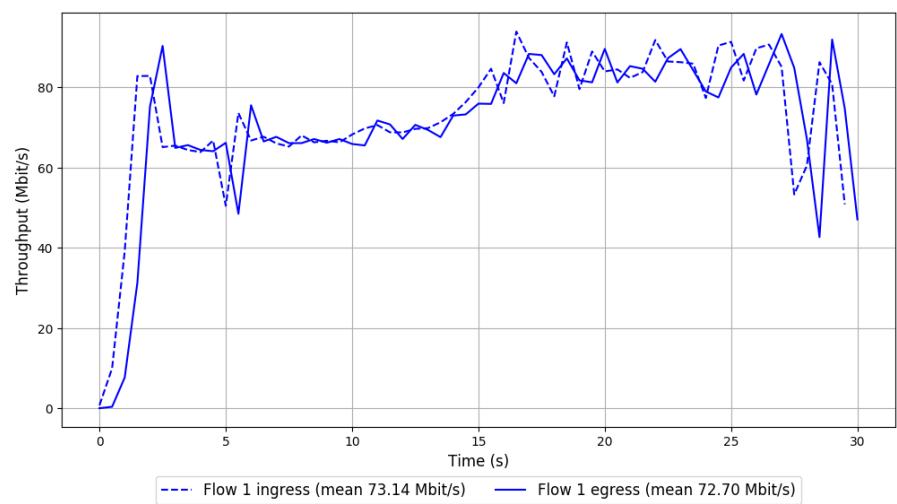
-- Flow 1:

Average throughput: 72.70 Mbit/s

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

Loss rate: 1.16%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-22 10:33:05

End at: 2018-05-22 10:33:35

Local clock offset: -4.542 ms

Remote clock offset: 8.633 ms

Below is generated by plot.py at 2018-05-22 13:02:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.18 Mbit/s

95th percentile per-packet one-way delay: 109.177 ms

Loss rate: 0.57%

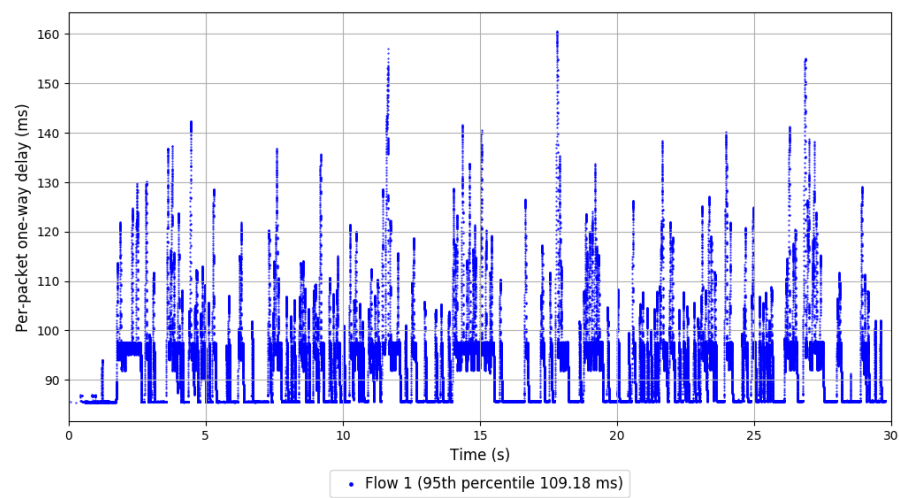
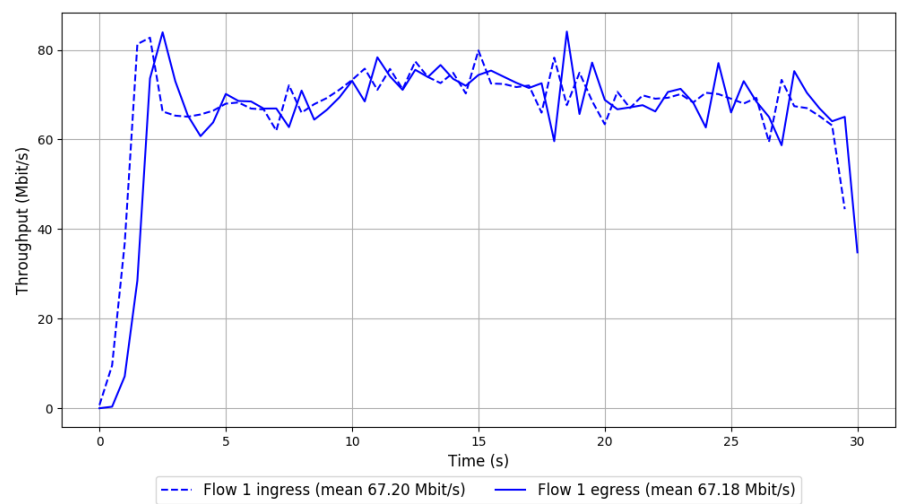
-- Flow 1:

Average throughput: 67.18 Mbit/s

95th percentile per-packet one-way delay: 109.177 ms

Loss rate: 0.57%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-22 10:51:24

End at: 2018-05-22 10:51:54

Local clock offset: -7.564 ms

Remote clock offset: 4.933 ms

Below is generated by plot.py at 2018-05-22 13:02:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.85 Mbit/s

95th percentile per-packet one-way delay: 101.667 ms

Loss rate: 0.67%

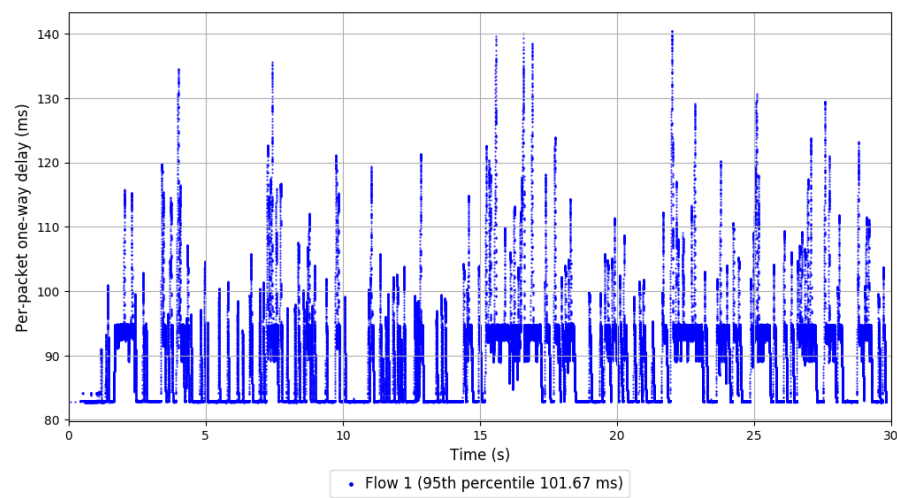
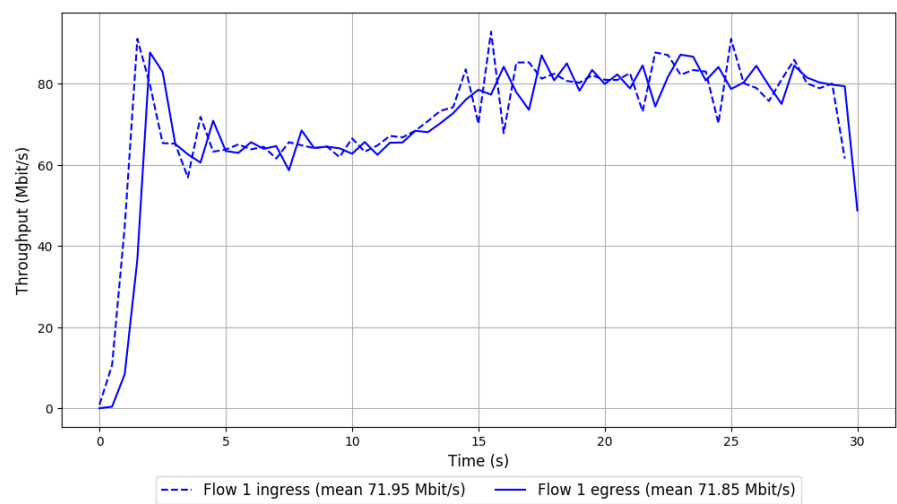
-- Flow 1:

Average throughput: 71.85 Mbit/s

95th percentile per-packet one-way delay: 101.667 ms

Loss rate: 0.67%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-22 11:09:50

End at: 2018-05-22 11:10:20

Local clock offset: 15.182 ms

Remote clock offset: 7.788 ms

Below is generated by plot.py at 2018-05-22 13:02:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.95 Mbit/s

95th percentile per-packet one-way delay: 111.639 ms

Loss rate: 0.62%

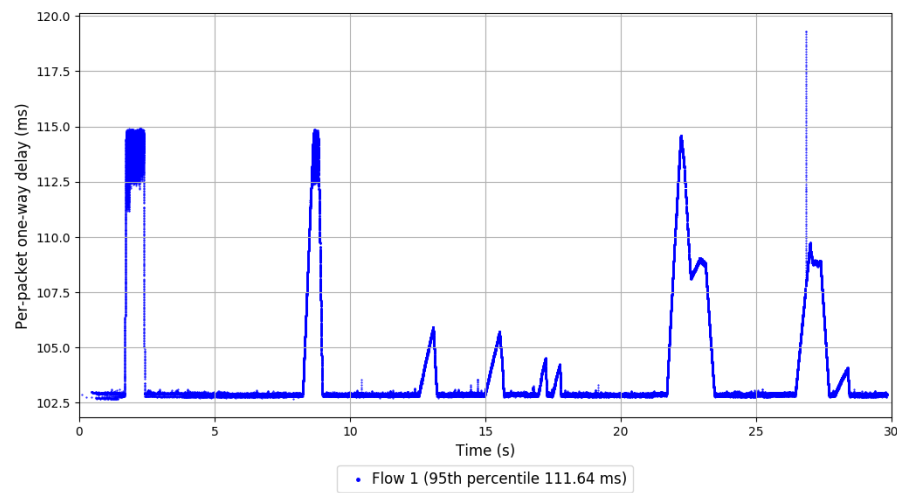
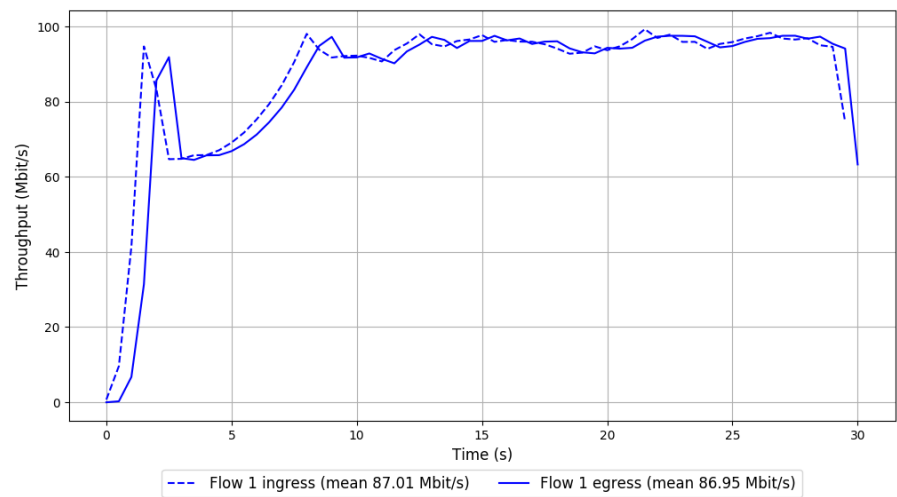
-- Flow 1:

Average throughput: 86.95 Mbit/s

95th percentile per-packet one-way delay: 111.639 ms

Loss rate: 0.62%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-22 11:28:16

End at: 2018-05-22 11:28:46

Local clock offset: -7.28 ms

Remote clock offset: 12.846 ms

Below is generated by plot.py at 2018-05-22 13:02:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.22 Mbit/s

95th percentile per-packet one-way delay: 94.660 ms

Loss rate: 0.62%

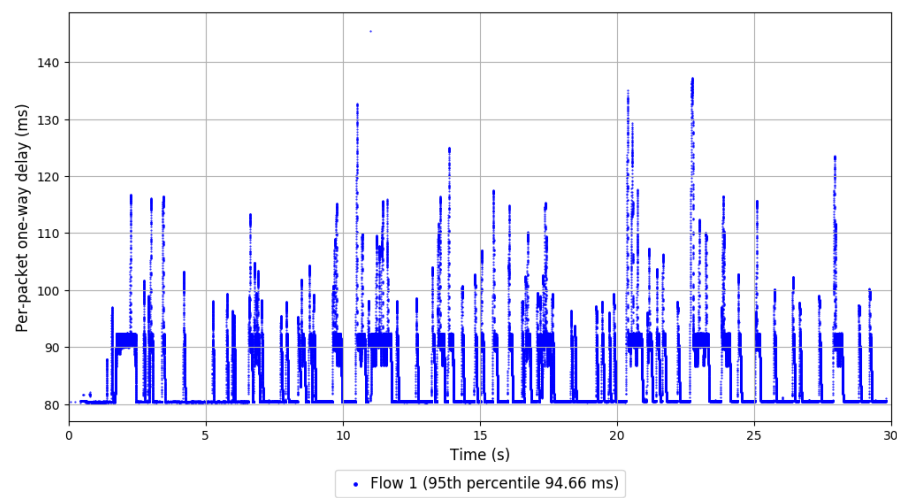
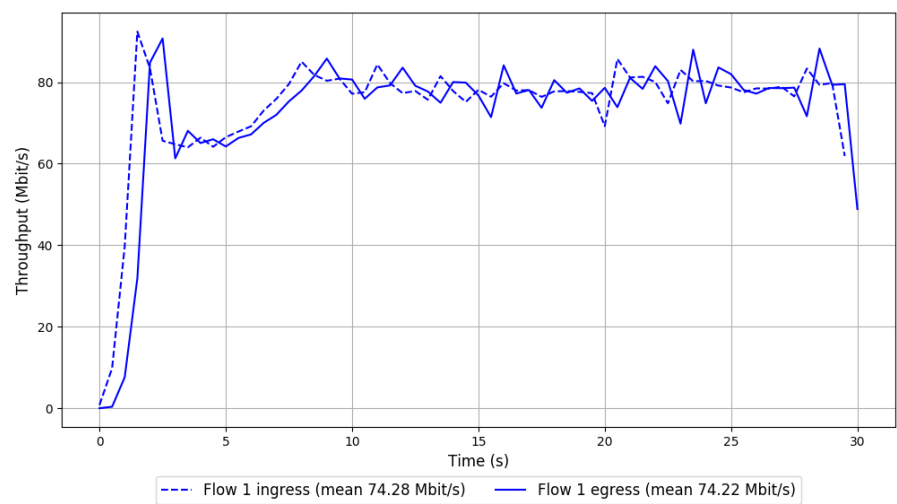
-- Flow 1:

Average throughput: 74.22 Mbit/s

95th percentile per-packet one-way delay: 94.660 ms

Loss rate: 0.62%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-22 11:46:34

End at: 2018-05-22 11:47:04

Local clock offset: -7.119 ms

Remote clock offset: 11.404 ms

Below is generated by plot.py at 2018-05-22 13:02:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.17 Mbit/s

95th percentile per-packet one-way delay: 102.096 ms

Loss rate: 0.74%

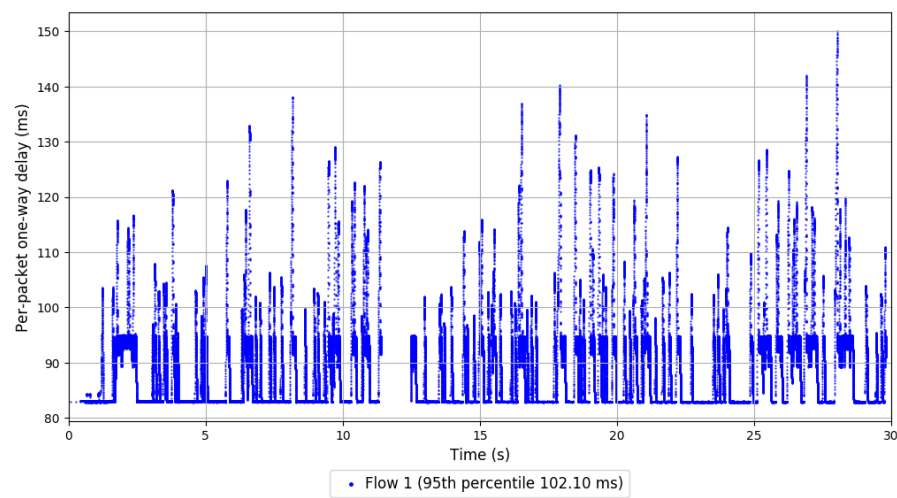
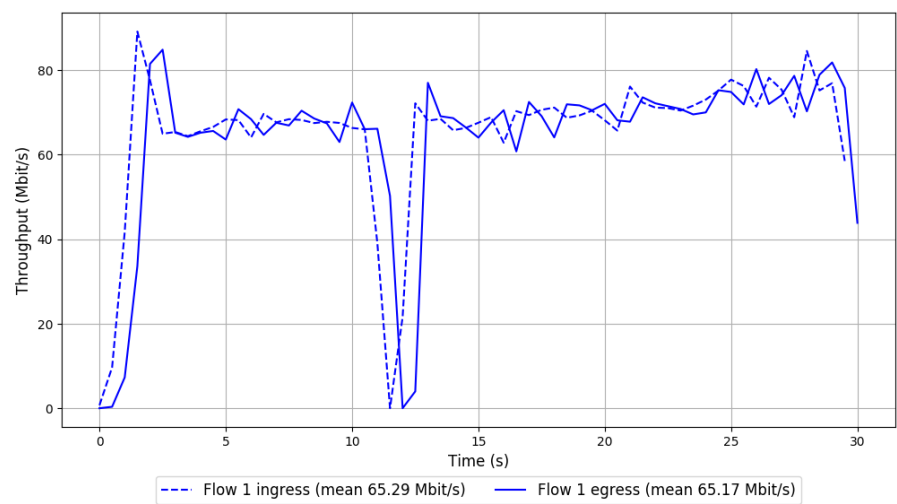
-- Flow 1:

Average throughput: 65.17 Mbit/s

95th percentile per-packet one-way delay: 102.096 ms

Loss rate: 0.74%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-22 12:04:52

End at: 2018-05-22 12:05:22

Local clock offset: -3.607 ms

Remote clock offset: 13.558 ms

Below is generated by plot.py at 2018-05-22 13:02:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.97 Mbit/s

95th percentile per-packet one-way delay: 95.192 ms

Loss rate: 0.69%

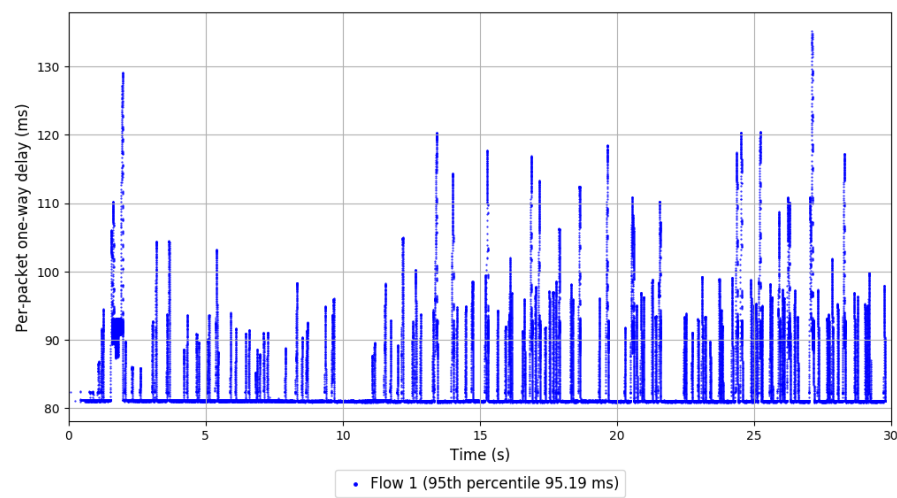
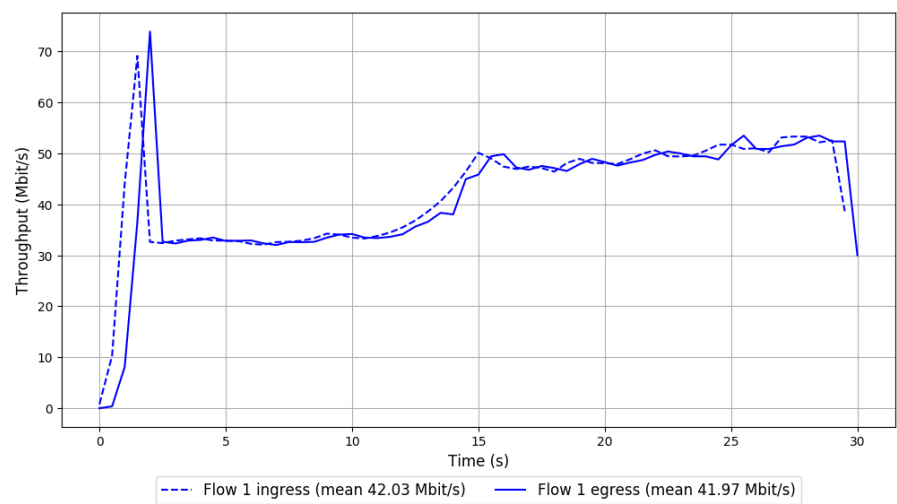
-- Flow 1:

Average throughput: 41.97 Mbit/s

95th percentile per-packet one-way delay: 95.192 ms

Loss rate: 0.69%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-22 12:23:10

End at: 2018-05-22 12:23:40

Local clock offset: -1.576 ms

Remote clock offset: 9.334 ms

Below is generated by plot.py at 2018-05-22 13:02:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.18 Mbit/s

95th percentile per-packet one-way delay: 98.702 ms

Loss rate: 0.63%

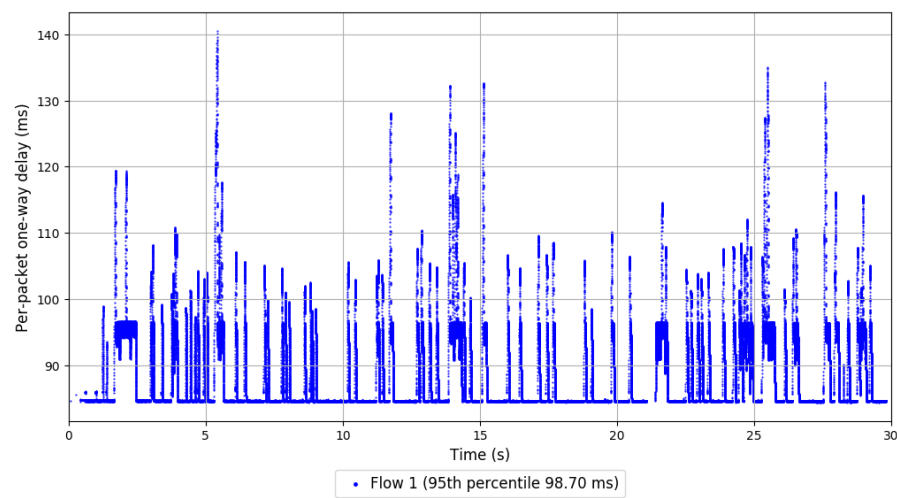
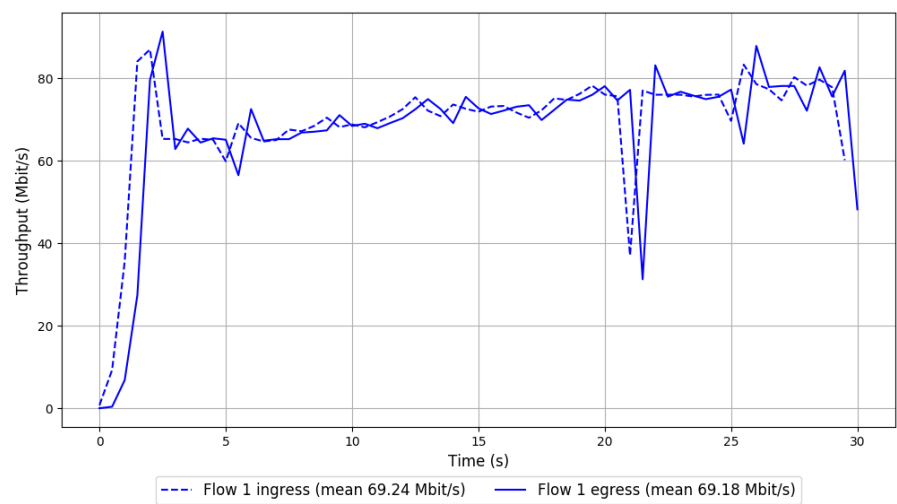
-- Flow 1:

Average throughput: 69.18 Mbit/s

95th percentile per-packet one-way delay: 98.702 ms

Loss rate: 0.63%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-22 12:41:33

End at: 2018-05-22 12:42:03

Local clock offset: -6.1 ms

Remote clock offset: 9.005 ms

Below is generated by plot.py at 2018-05-22 13:03:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.02 Mbit/s

95th percentile per-packet one-way delay: 94.959 ms

Loss rate: 0.64%

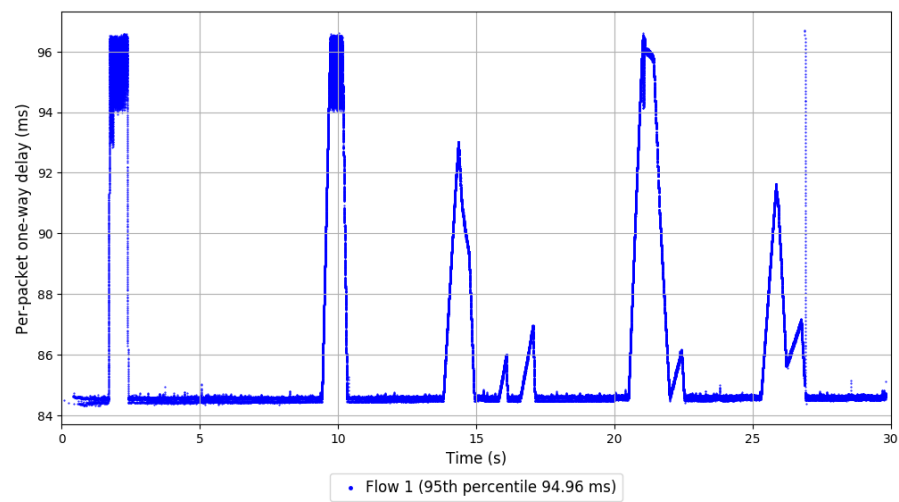
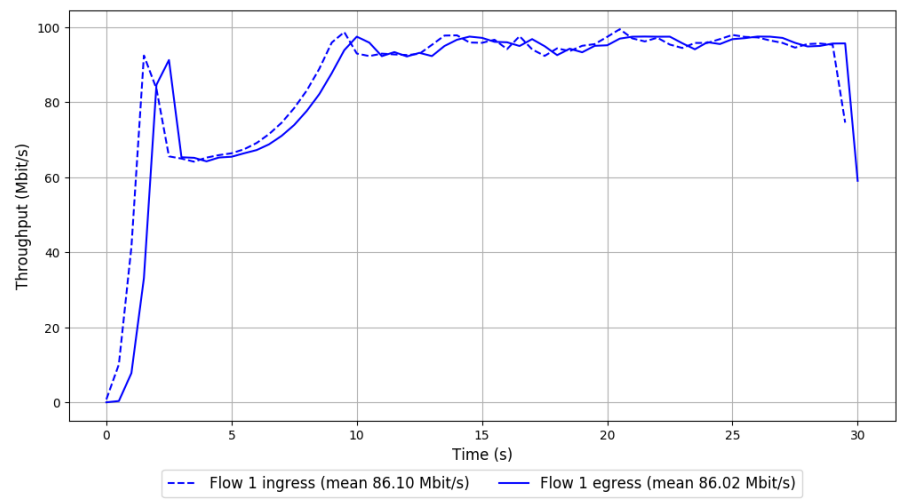
-- Flow 1:

Average throughput: 86.02 Mbit/s

95th percentile per-packet one-way delay: 94.959 ms

Loss rate: 0.64%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-05-22 10:01:10

End at: 2018-05-22 10:01:40

Local clock offset: -5.605 ms

Remote clock offset: 4.319 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-05-22 10:19:27

End at: 2018-05-22 10:19:57

Local clock offset: -1.861 ms

Remote clock offset: 11.913 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-05-22 10:37:46

End at: 2018-05-22 10:38:16

Local clock offset: -5.882 ms

Remote clock offset: 12.165 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-05-22 10:56:05

End at: 2018-05-22 10:56:35

Local clock offset: -6.023 ms

Remote clock offset: 4.15 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-05-22 11:14:34

End at: 2018-05-22 11:15:04

Local clock offset: 13.24 ms

Remote clock offset: 5.497 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-05-22 11:32:56

End at: 2018-05-22 11:33:26

Local clock offset: -7.116 ms

Remote clock offset: 13.594 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-05-22 11:51:12

End at: 2018-05-22 11:51:42

Local clock offset: -7.119 ms

Remote clock offset: 15.642 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-05-22 12:09:31

End at: 2018-05-22 12:10:01

Local clock offset: -1.691 ms

Remote clock offset: 14.477 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-05-22 12:27:50

End at: 2018-05-22 12:28:20

Local clock offset: -2.238 ms

Remote clock offset: 9.586 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-05-22 12:46:17

End at: 2018-05-22 12:46:47

Local clock offset: -6.712 ms

Remote clock offset: 13.541 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

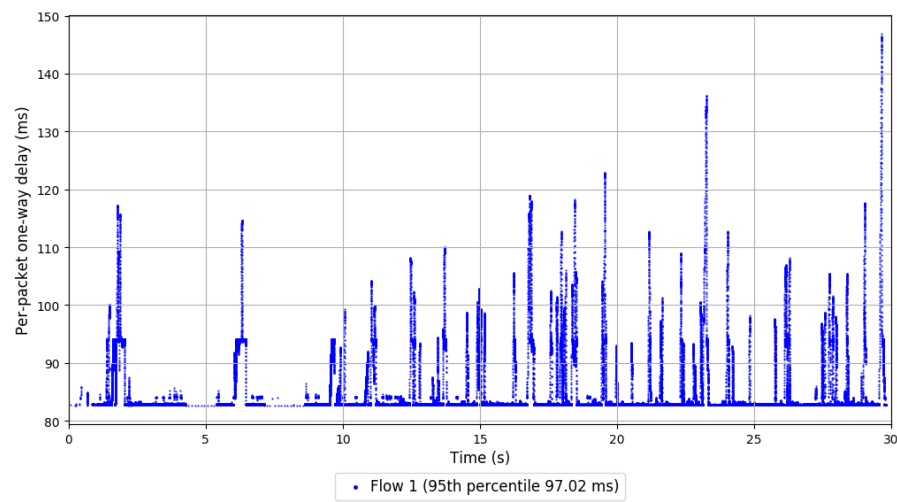
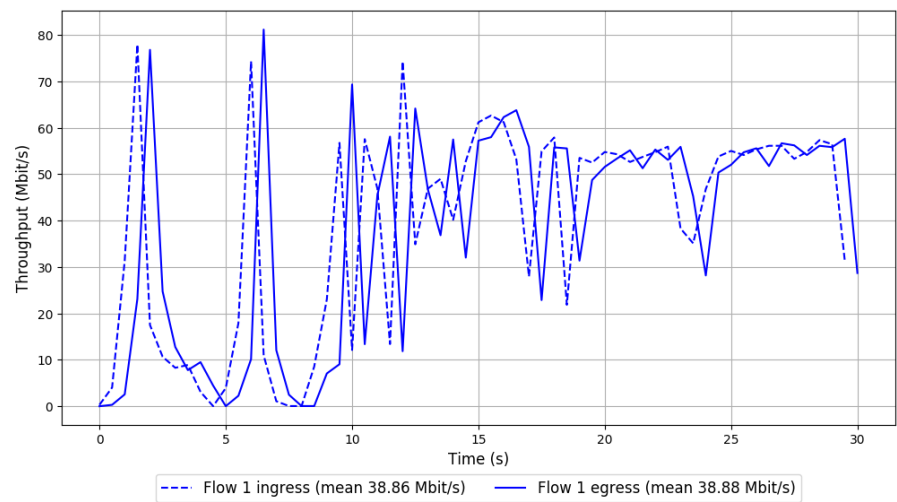
Figure is missing

```
Run 1: Statistics of QUIC Cubic

Start at: 2018-05-22 09:53:07
End at: 2018-05-22 09:53:37
Local clock offset: -8.024 ms
Remote clock offset: 1.595 ms

# Below is generated by plot.py at 2018-05-22 13:03:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 97.015 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 97.015 ms
Loss rate: 0.51%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-22 10:11:22

End at: 2018-05-22 10:11:52

Local clock offset: -2.753 ms

Remote clock offset: 9.588 ms

Below is generated by plot.py at 2018-05-22 13:03:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.09 Mbit/s

95th percentile per-packet one-way delay: 96.869 ms

Loss rate: 0.55%

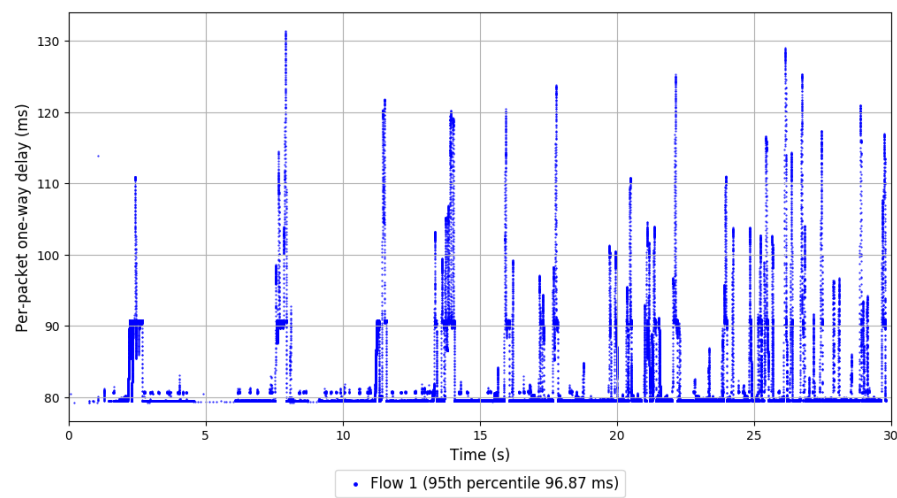
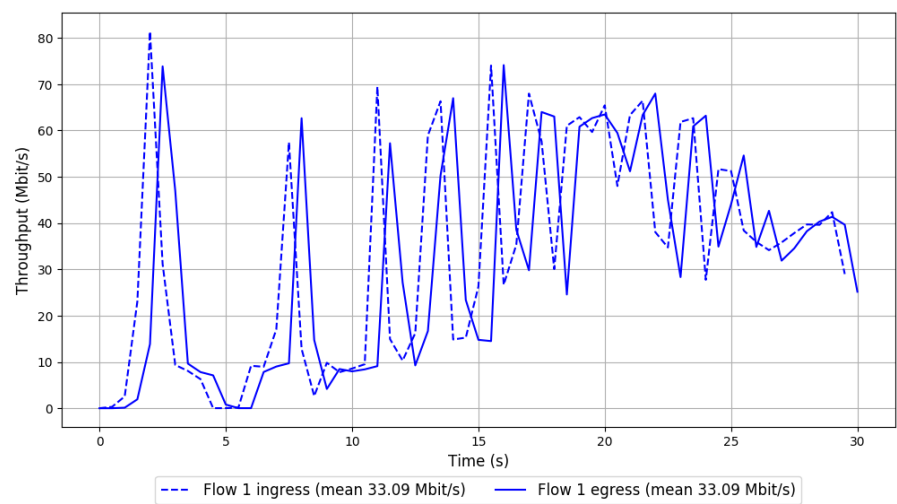
-- Flow 1:

Average throughput: 33.09 Mbit/s

95th percentile per-packet one-way delay: 96.869 ms

Loss rate: 0.55%

Run 2: Report of QUIC Cubic — Data Link

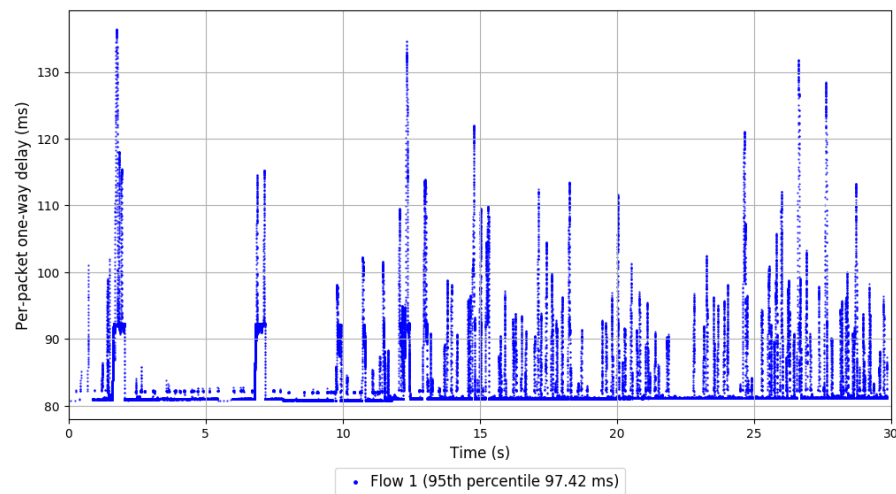
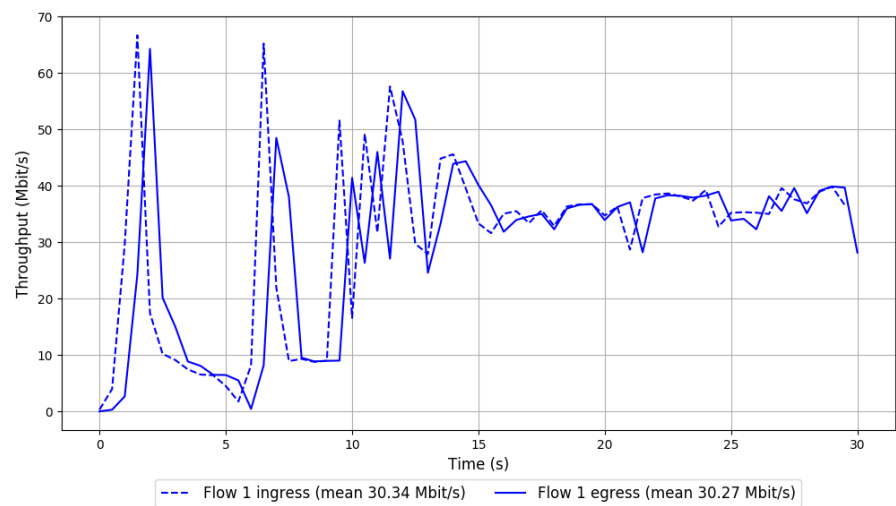


Run 3: Statistics of QUIC Cubic

Start at: 2018-05-22 10:29:39
End at: 2018-05-22 10:30:09
Local clock offset: -3.209 ms
Remote clock offset: 13.111 ms

Below is generated by plot.py at 2018-05-22 13:03:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 97.420 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 97.420 ms
Loss rate: 0.77%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-22 10:47:57

End at: 2018-05-22 10:48:27

Local clock offset: -7.209 ms

Remote clock offset: 8.431 ms

Below is generated by plot.py at 2018-05-22 13:03:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.18 Mbit/s

95th percentile per-packet one-way delay: 96.242 ms

Loss rate: 0.06%

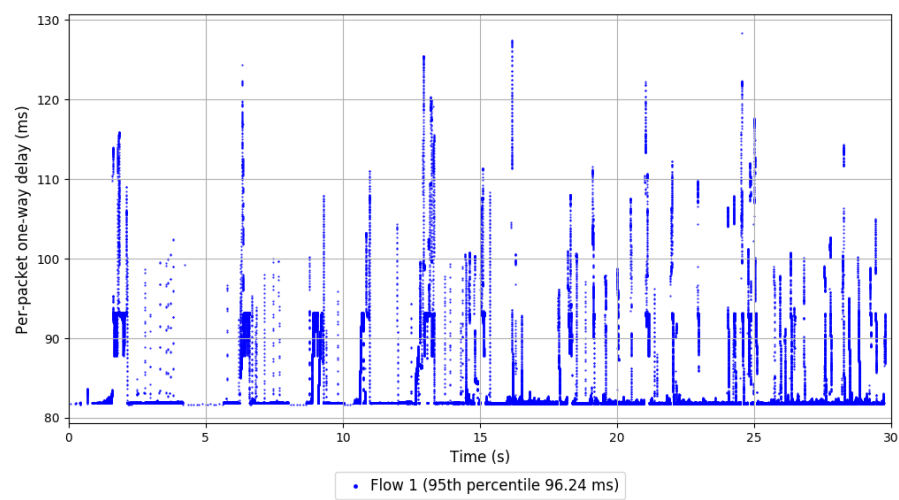
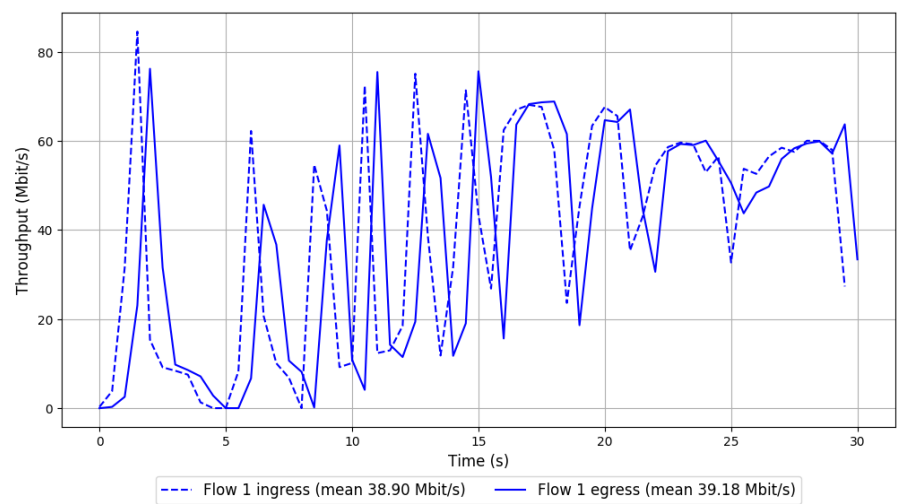
-- Flow 1:

Average throughput: 39.18 Mbit/s

95th percentile per-packet one-way delay: 96.242 ms

Loss rate: 0.06%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-22 11:06:20

End at: 2018-05-22 11:06:50

Local clock offset: -7.34 ms

Remote clock offset: 2.506 ms

Below is generated by plot.py at 2018-05-22 13:03:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.92 Mbit/s

95th percentile per-packet one-way delay: 92.441 ms

Loss rate: 0.84%

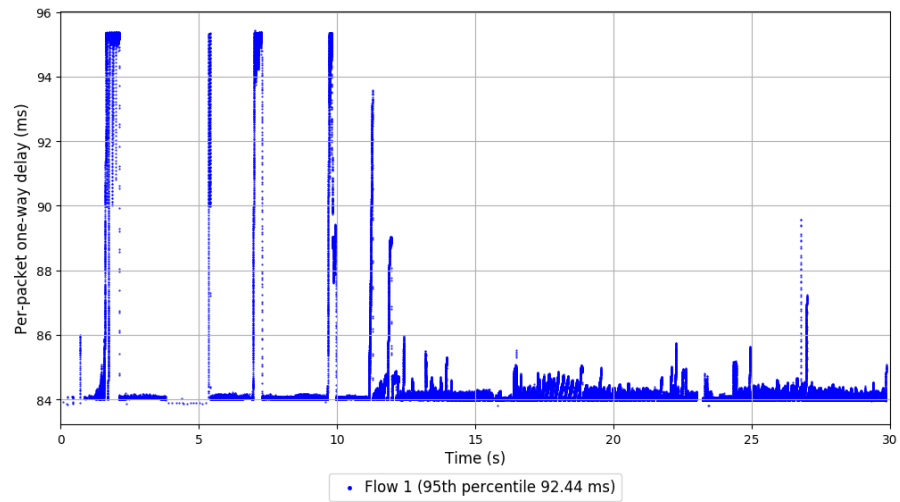
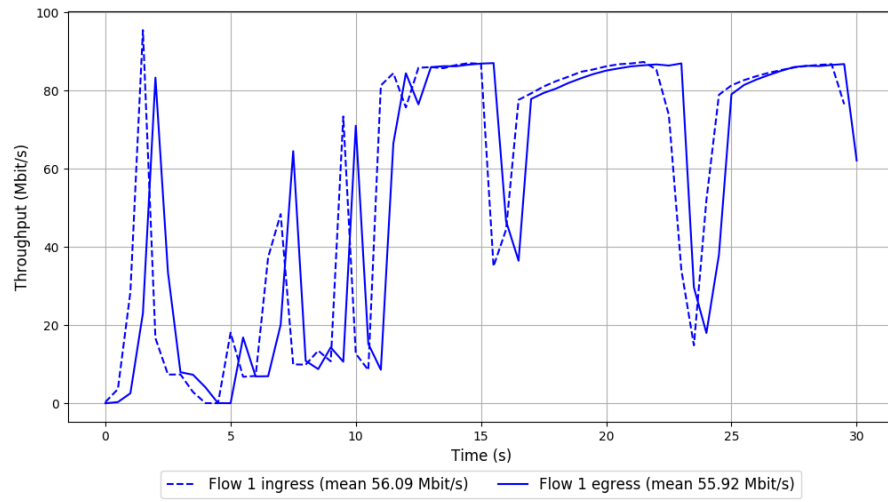
-- Flow 1:

Average throughput: 55.92 Mbit/s

95th percentile per-packet one-way delay: 92.441 ms

Loss rate: 0.84%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-22 11:24:49

End at: 2018-05-22 11:25:19

Local clock offset: -7.345 ms

Remote clock offset: 9.285 ms

Below is generated by plot.py at 2018-05-22 13:03:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.07 Mbit/s

95th percentile per-packet one-way delay: 99.006 ms

Loss rate: 0.02%

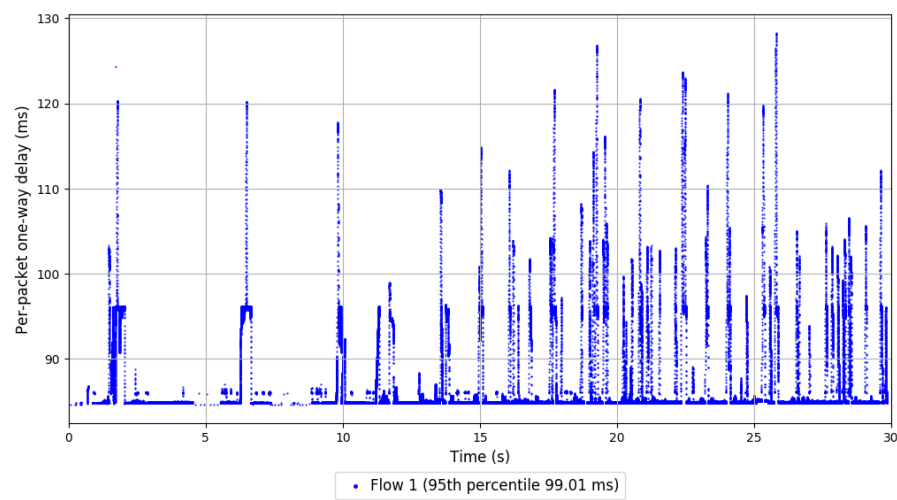
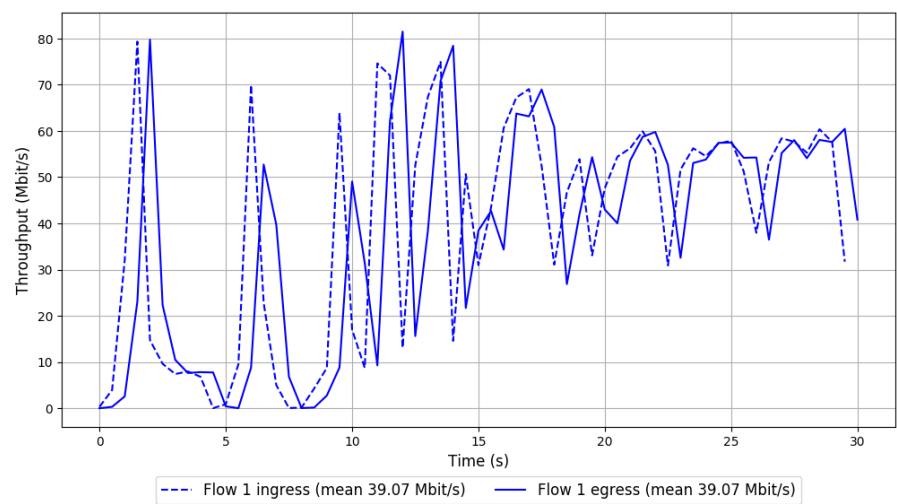
-- Flow 1:

Average throughput: 39.07 Mbit/s

95th percentile per-packet one-way delay: 99.006 ms

Loss rate: 0.02%

Run 6: Report of QUIC Cubic — Data Link

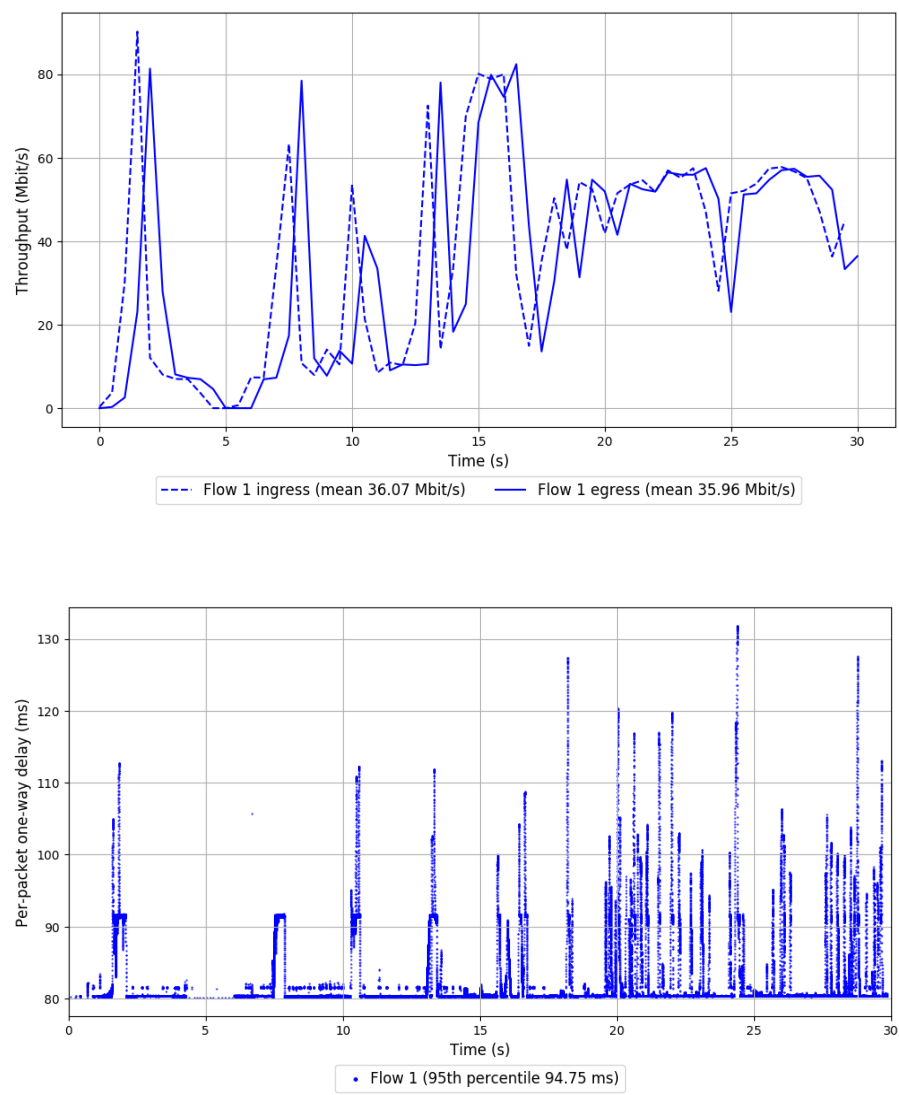


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-22 11:43:08
End at: 2018-05-22 11:43:38
Local clock offset: -7.813 ms
Remote clock offset: 15.295 ms

Below is generated by plot.py at 2018-05-22 13:03:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.96 Mbit/s
95th percentile per-packet one-way delay: 94.749 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 35.96 Mbit/s
95th percentile per-packet one-way delay: 94.749 ms
Loss rate: 0.84%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-22 12:01:24

End at: 2018-05-22 12:01:54

Local clock offset: -4.774 ms

Remote clock offset: 14.464 ms

Below is generated by plot.py at 2018-05-22 13:03:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.99 Mbit/s

95th percentile per-packet one-way delay: 94.260 ms

Loss rate: 0.75%

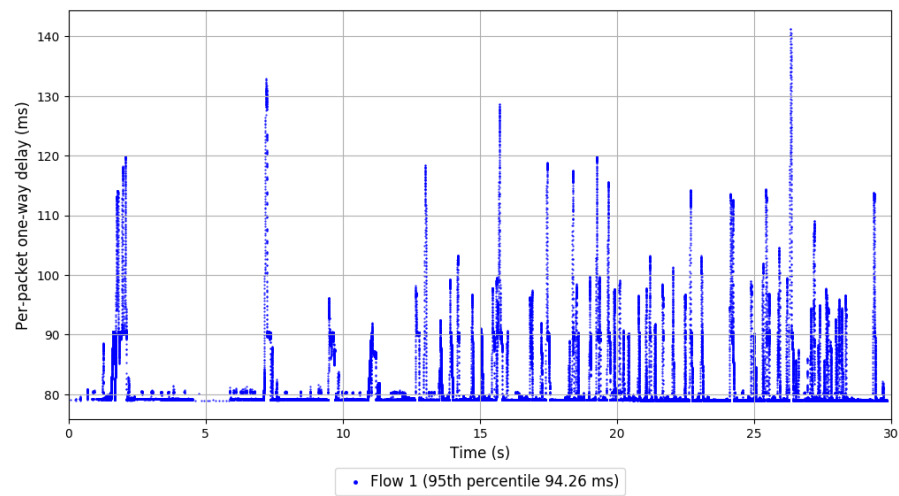
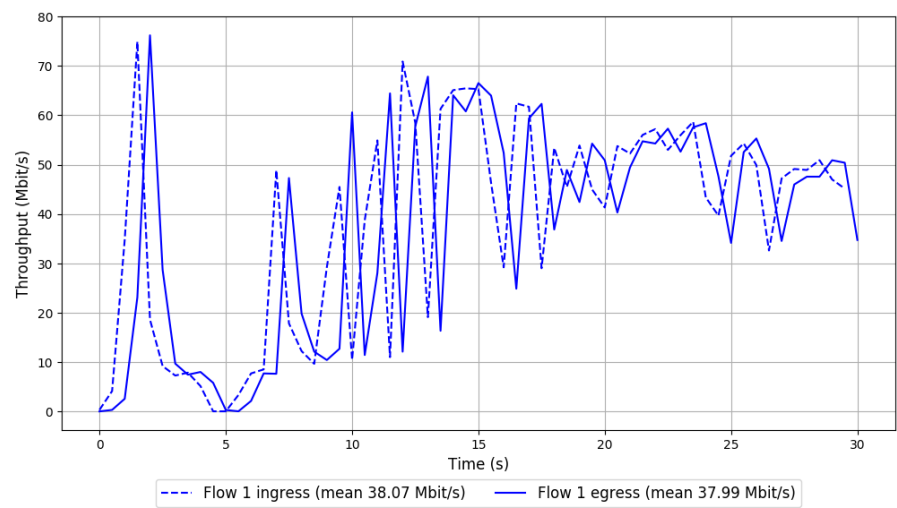
-- Flow 1:

Average throughput: 37.99 Mbit/s

95th percentile per-packet one-way delay: 94.260 ms

Loss rate: 0.75%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-22 12:19:42

End at: 2018-05-22 12:20:12

Local clock offset: -1.908 ms

Remote clock offset: 9.849 ms

Below is generated by plot.py at 2018-05-22 13:03:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.87 Mbit/s

95th percentile per-packet one-way delay: 99.722 ms

Loss rate: 0.72%

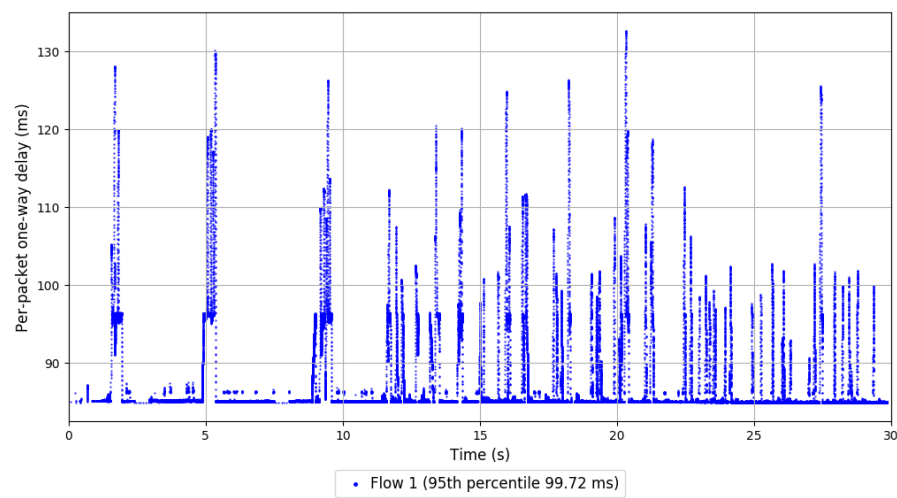
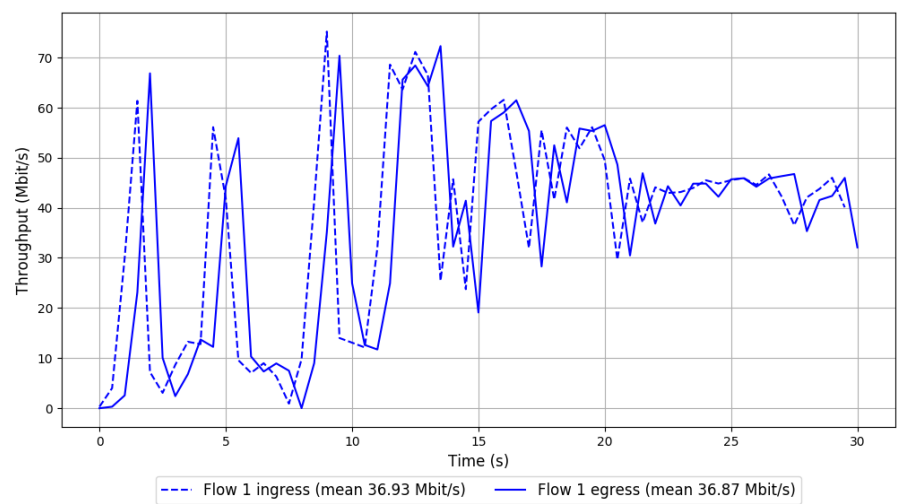
-- Flow 1:

Average throughput: 36.87 Mbit/s

95th percentile per-packet one-way delay: 99.722 ms

Loss rate: 0.72%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-22 12:38:03

End at: 2018-05-22 12:38:33

Local clock offset: -5.505 ms

Remote clock offset: 12.974 ms

Below is generated by plot.py at 2018-05-22 13:03:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.96 Mbit/s

95th percentile per-packet one-way delay: 92.427 ms

Loss rate: 0.75%

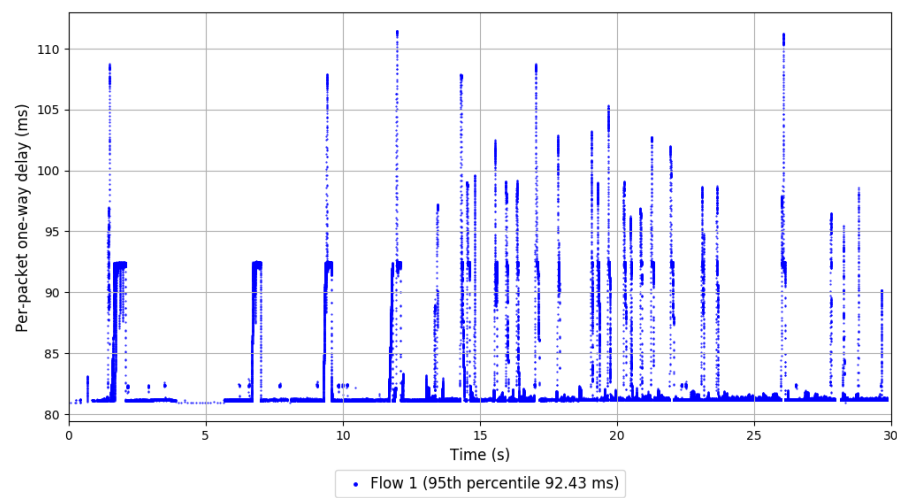
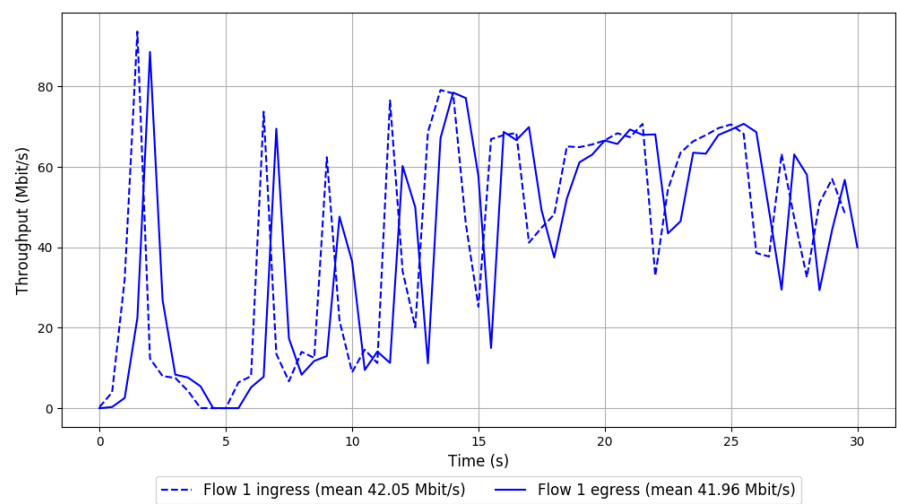
-- Flow 1:

Average throughput: 41.96 Mbit/s

95th percentile per-packet one-way delay: 92.427 ms

Loss rate: 0.75%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-05-22 10:06:49

End at: 2018-05-22 10:07:19

Local clock offset: -3.723 ms

Remote clock offset: 2.722 ms

Below is generated by plot.py at 2018-05-22 13:03:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.929 ms

Loss rate: 0.64%

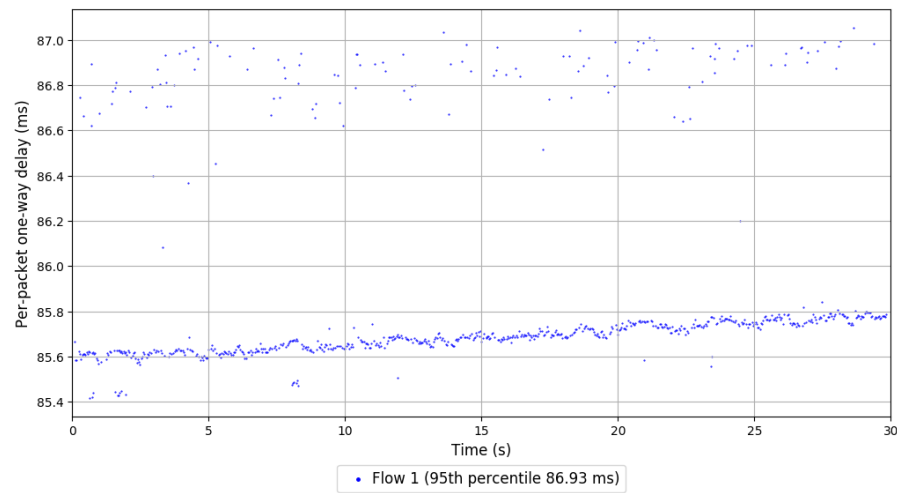
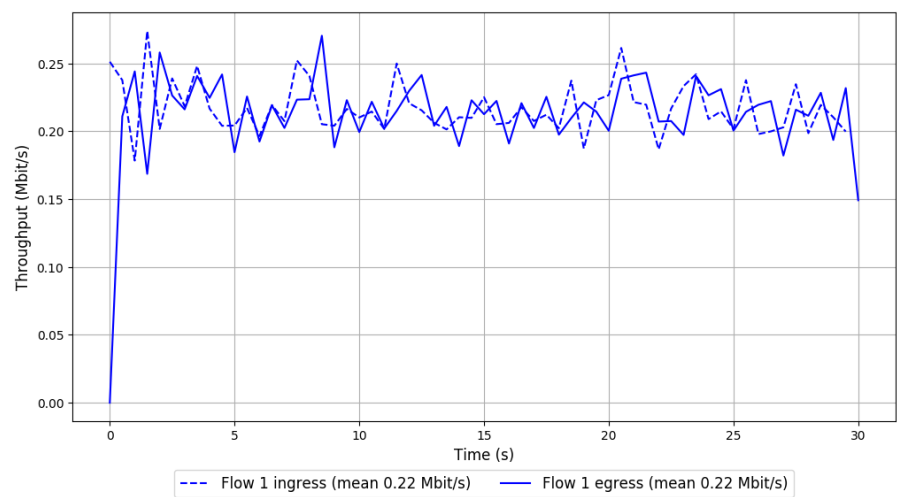
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.929 ms

Loss rate: 0.64%

Run 1: Report of SReAM — Data Link

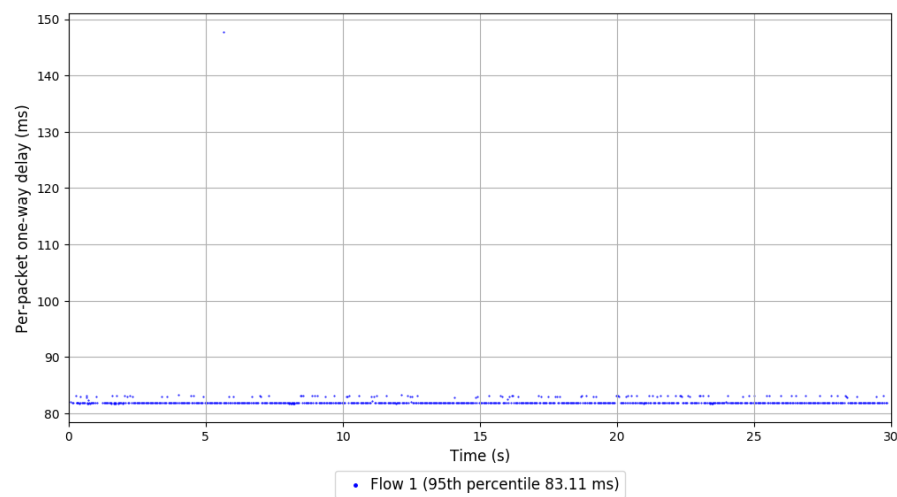
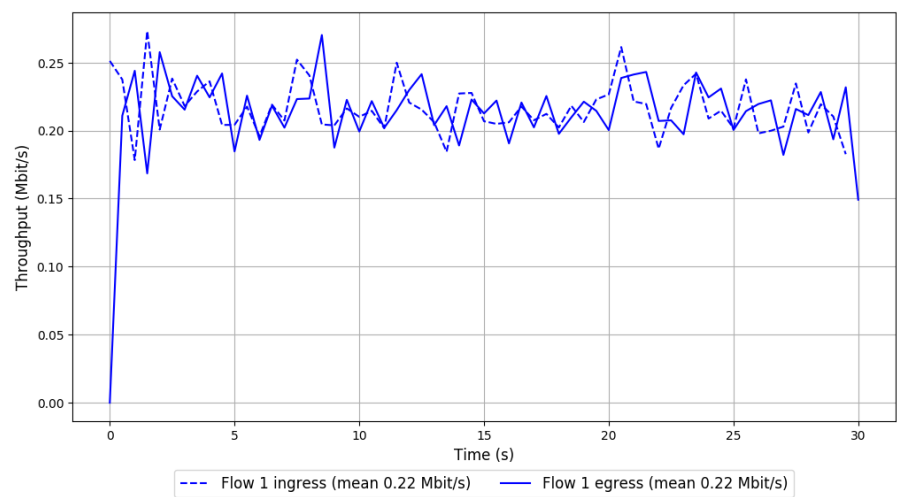


Run 2: Statistics of SCReAM

Start at: 2018-05-22 10:25:06
End at: 2018-05-22 10:25:36
Local clock offset: -1.672 ms
Remote clock offset: 11.858 ms

Below is generated by plot.py at 2018-05-22 13:03:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.108 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.108 ms
Loss rate: 0.51%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-05-22 10:43:24

End at: 2018-05-22 10:43:54

Local clock offset: -6.753 ms

Remote clock offset: 9.739 ms

Below is generated by plot.py at 2018-05-22 13:03:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.997 ms

Loss rate: 0.64%

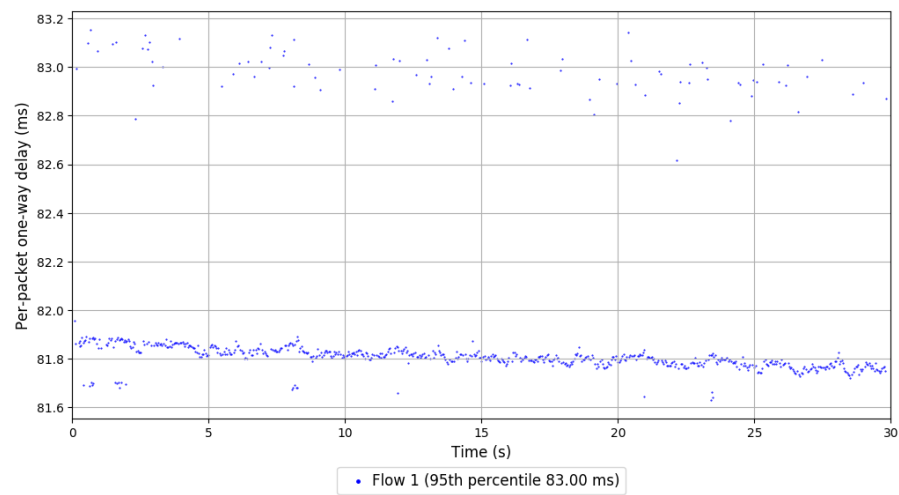
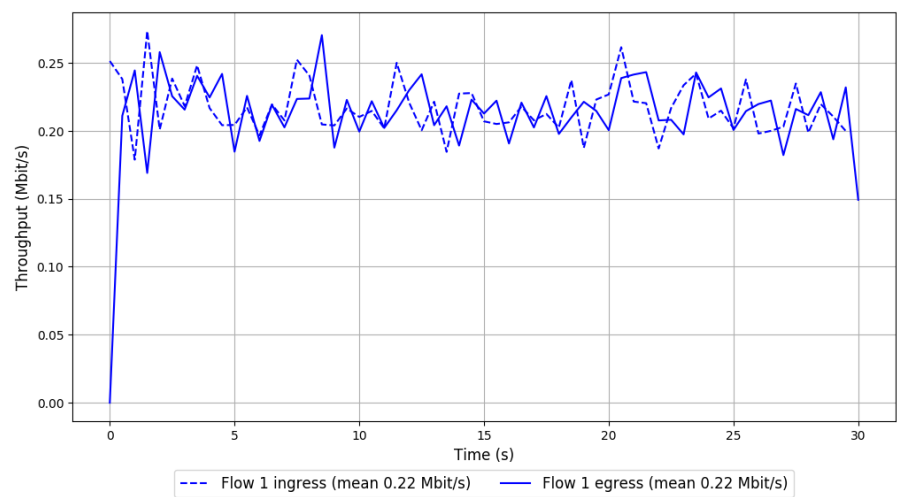
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.997 ms

Loss rate: 0.64%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-05-22 11:01:46

End at: 2018-05-22 11:02:16

Local clock offset: -7.524 ms

Remote clock offset: 3.84 ms

Below is generated by plot.py at 2018-05-22 13:03:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.398 ms

Loss rate: 0.64%

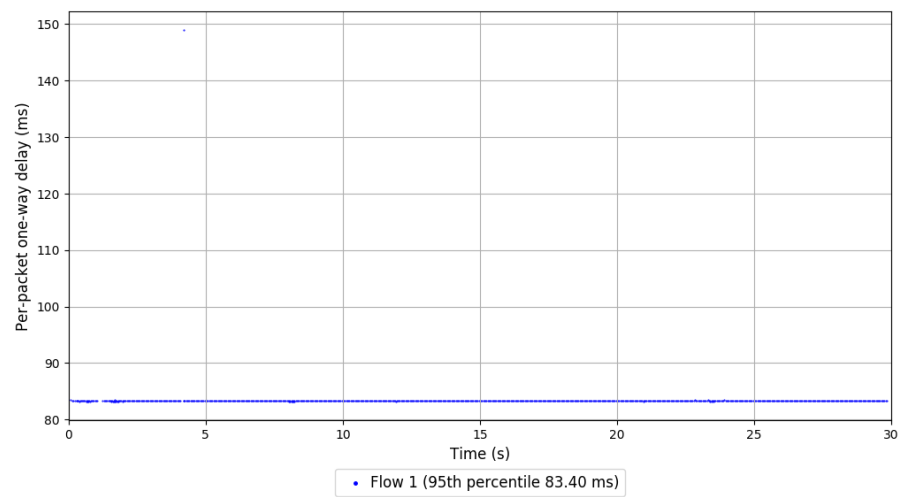
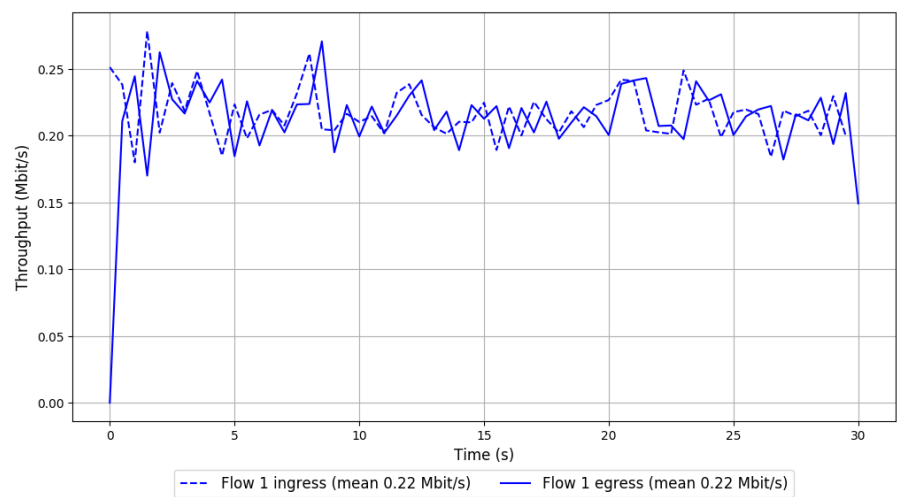
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.398 ms

Loss rate: 0.64%

Run 4: Report of SReAM — Data Link

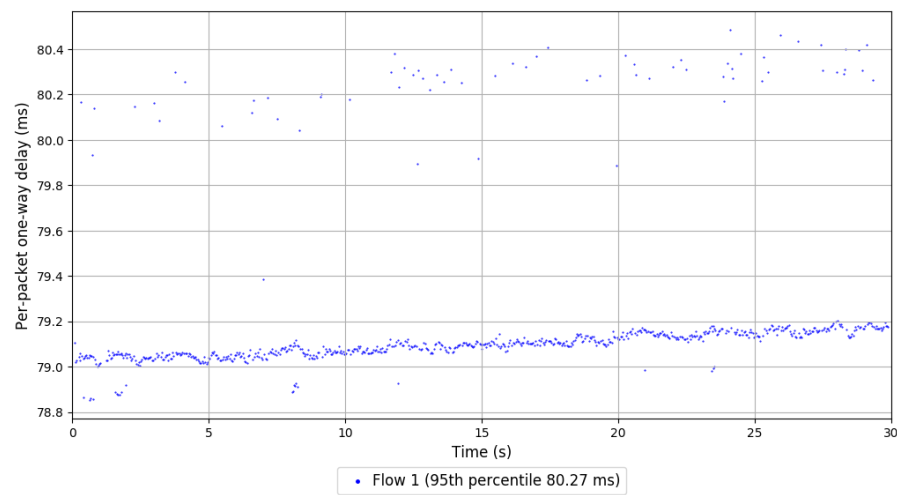
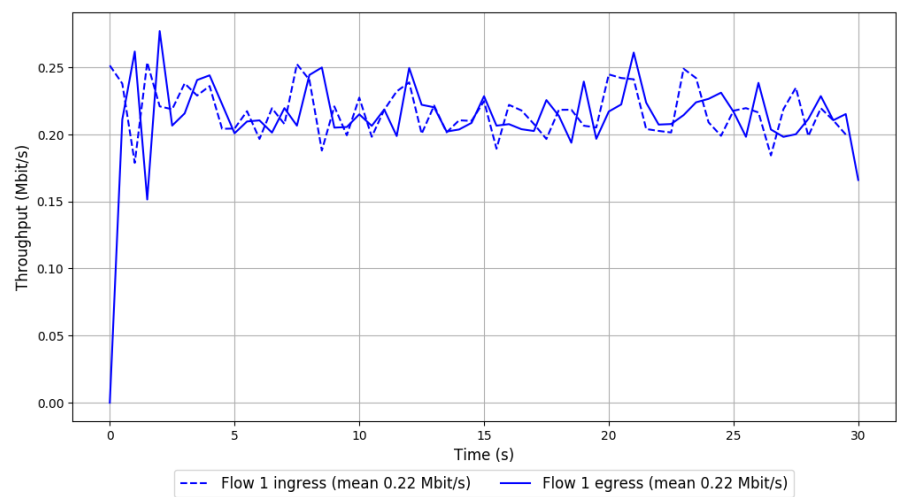


Run 5: Statistics of SCReAM

Start at: 2018-05-22 11:20:15
End at: 2018-05-22 11:20:45
Local clock offset: -7.331 ms
Remote clock offset: 12.653 ms

Below is generated by plot.py at 2018-05-22 13:03:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.271 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.271 ms
Loss rate: 0.51%

Run 5: Report of SReAM — Data Link

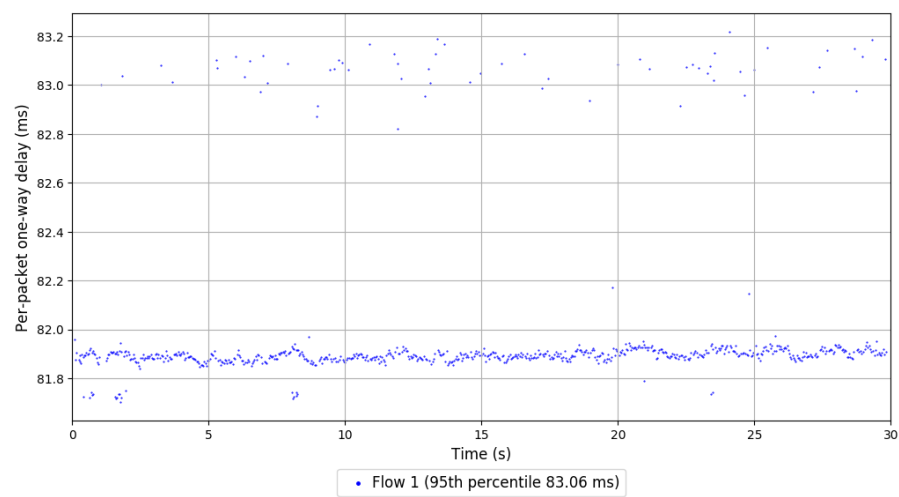
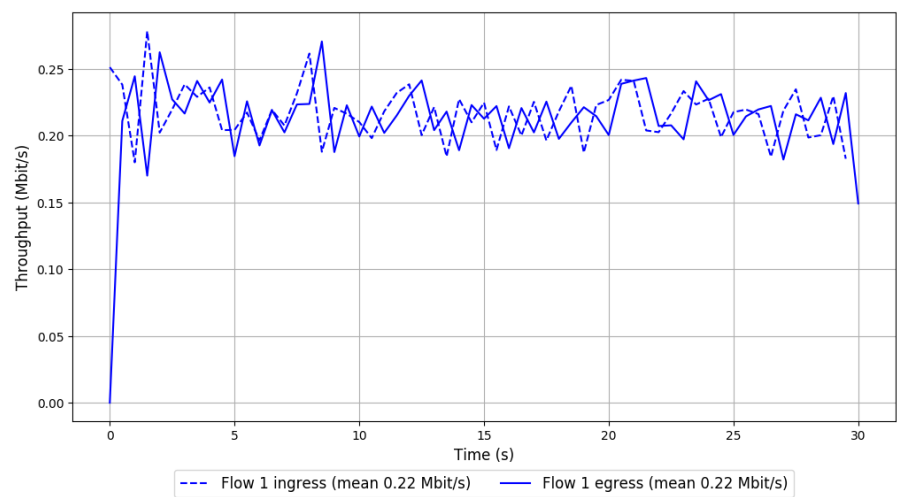


Run 6: Statistics of SCReAM

Start at: 2018-05-22 11:38:35
End at: 2018-05-22 11:39:05
Local clock offset: -6.243 ms
Remote clock offset: 14.957 ms

Below is generated by plot.py at 2018-05-22 13:03:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.056 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.056 ms
Loss rate: 0.51%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-05-22 11:56:51

End at: 2018-05-22 11:57:21

Local clock offset: -6.995 ms

Remote clock offset: 9.956 ms

Below is generated by plot.py at 2018-05-22 13:03:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.214 ms

Loss rate: 0.64%

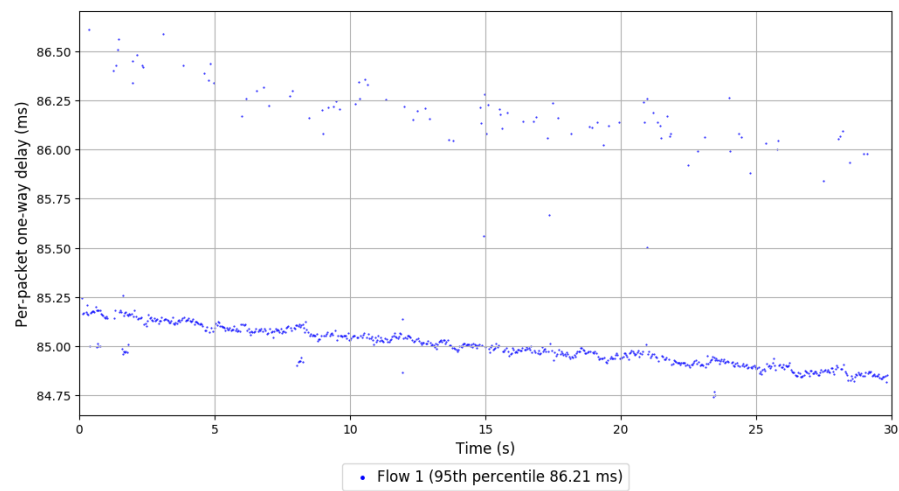
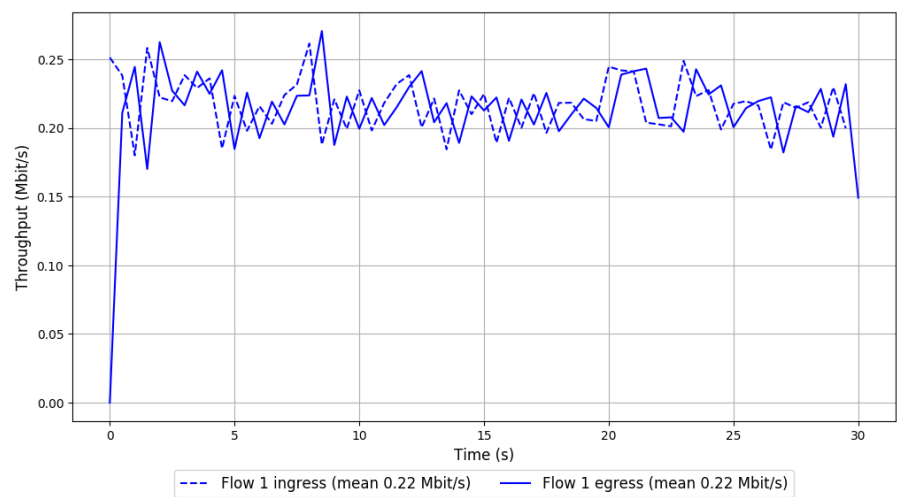
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.214 ms

Loss rate: 0.64%

Run 7: Report of SReAM — Data Link

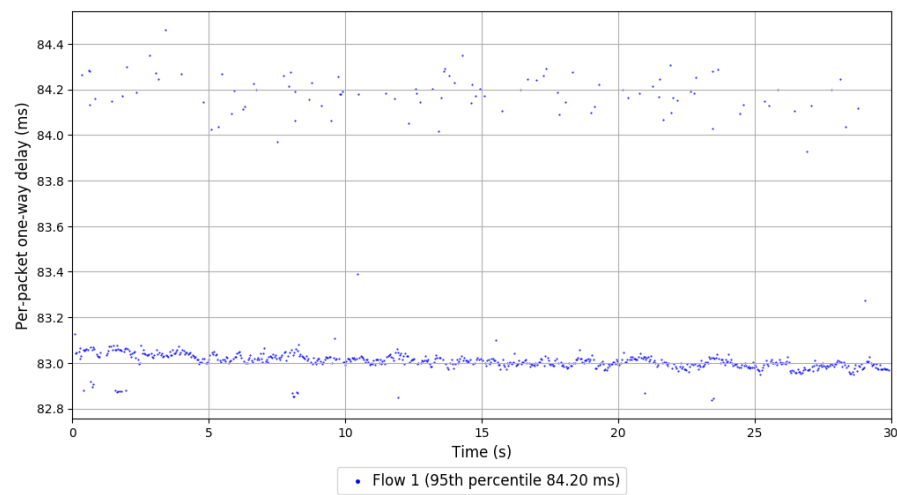
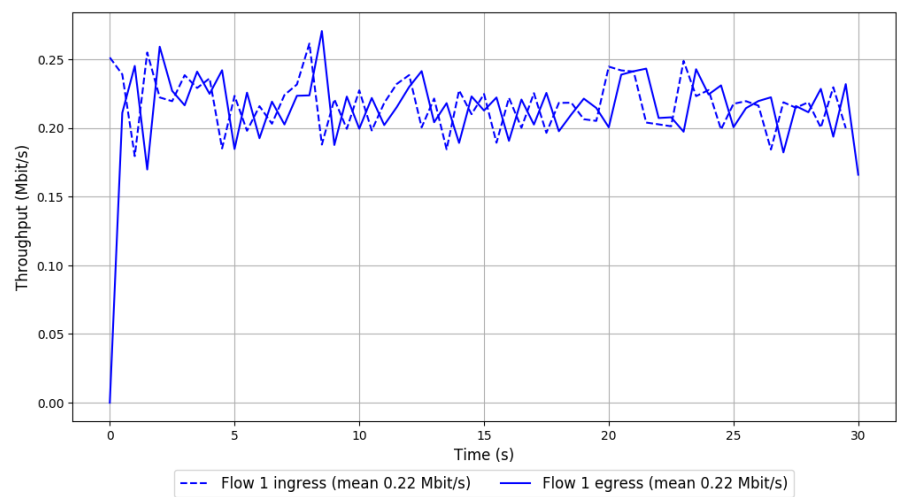


Run 8: Statistics of SCReAM

Start at: 2018-05-22 12:15:10
End at: 2018-05-22 12:15:40
Local clock offset: -1.595 ms
Remote clock offset: 10.695 ms

Below is generated by plot.py at 2018-05-22 13:03:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.200 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.200 ms
Loss rate: 0.51%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-05-22 12:33:30

End at: 2018-05-22 12:34:00

Local clock offset: -3.379 ms

Remote clock offset: 8.512 ms

Below is generated by plot.py at 2018-05-22 13:03:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.995 ms

Loss rate: 0.51%

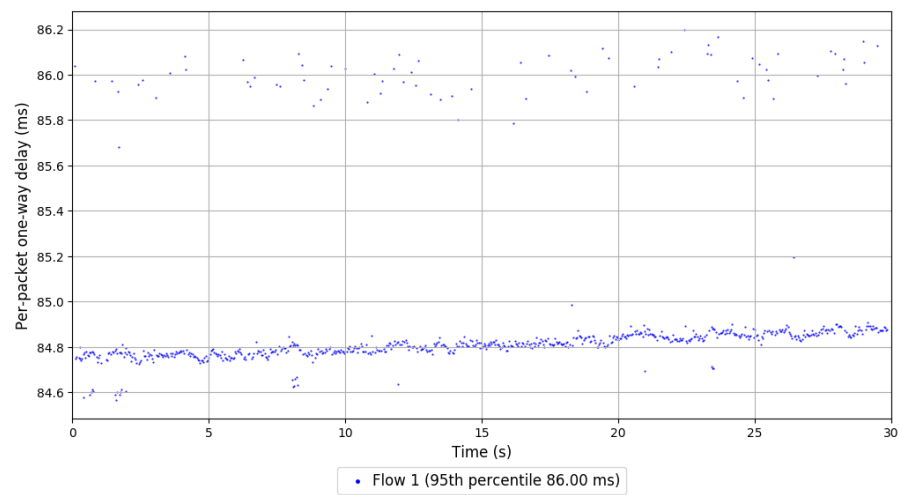
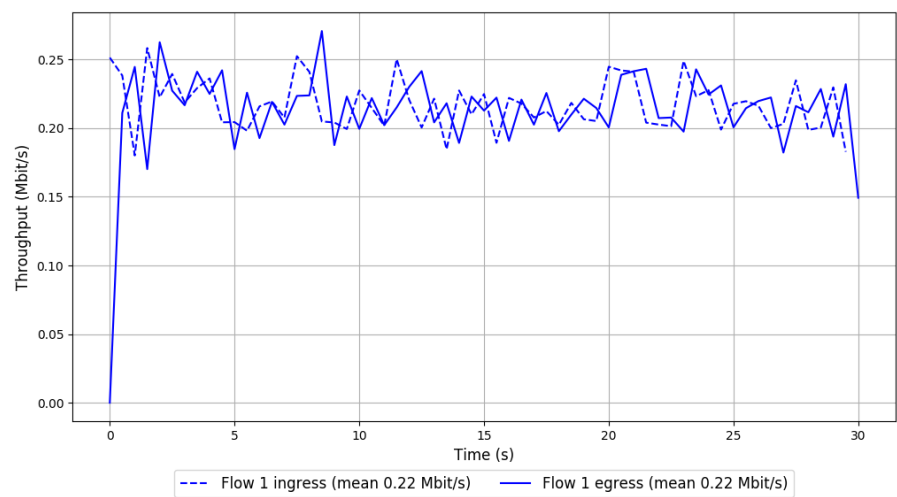
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.995 ms

Loss rate: 0.51%

Run 9: Report of SReAM — Data Link

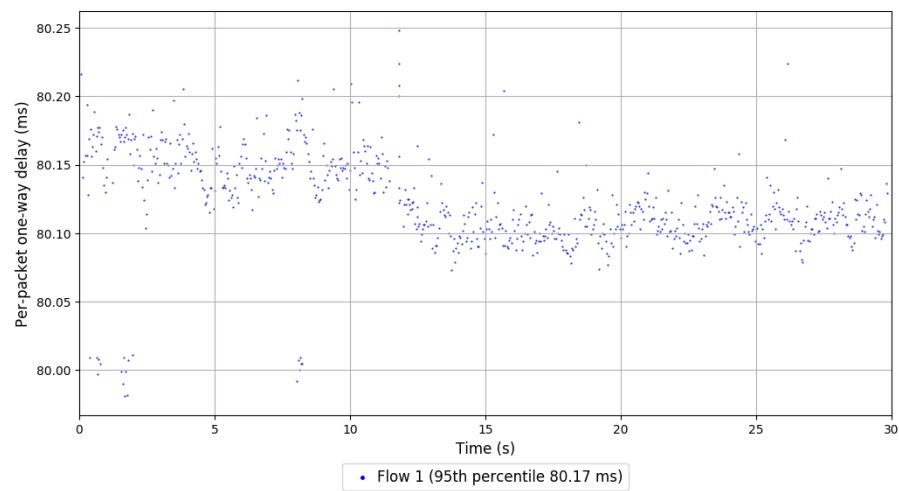
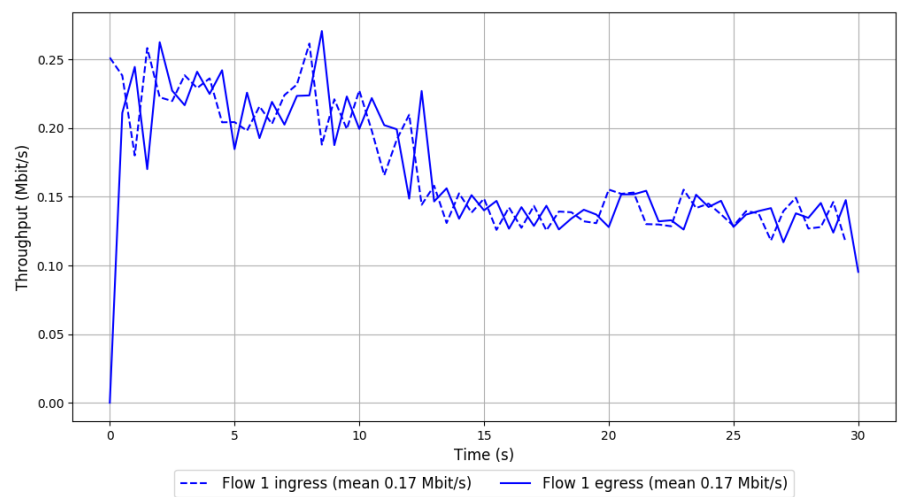


Run 10: Statistics of SReAM

Start at: 2018-05-22 12:51:58
End at: 2018-05-22 12:52:28
Local clock offset: -6.436 ms
Remote clock offset: 12.576 ms

Below is generated by plot.py at 2018-05-22 13:03:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 80.175 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 80.175 ms
Loss rate: 0.41%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-22 10:07:56

End at: 2018-05-22 10:08:26

Local clock offset: -3.427 ms

Remote clock offset: 8.154 ms

Below is generated by plot.py at 2018-05-22 13:03:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 83.403 ms

Loss rate: 0.58%

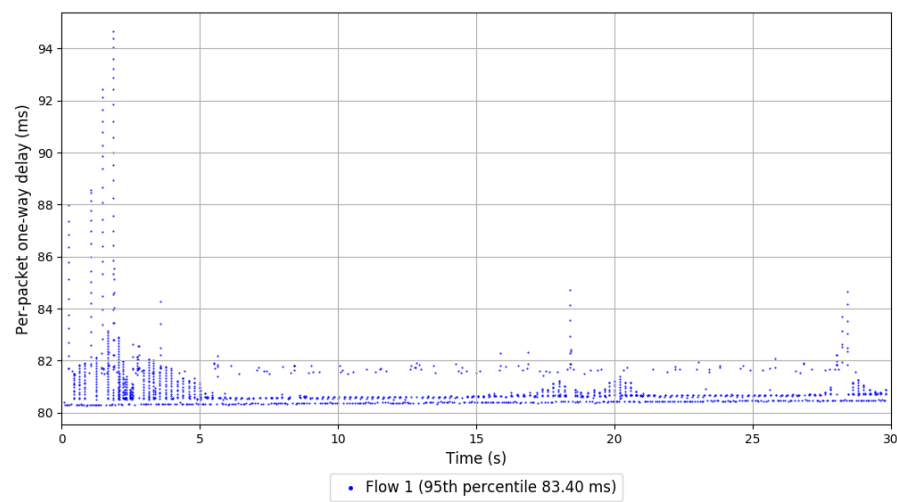
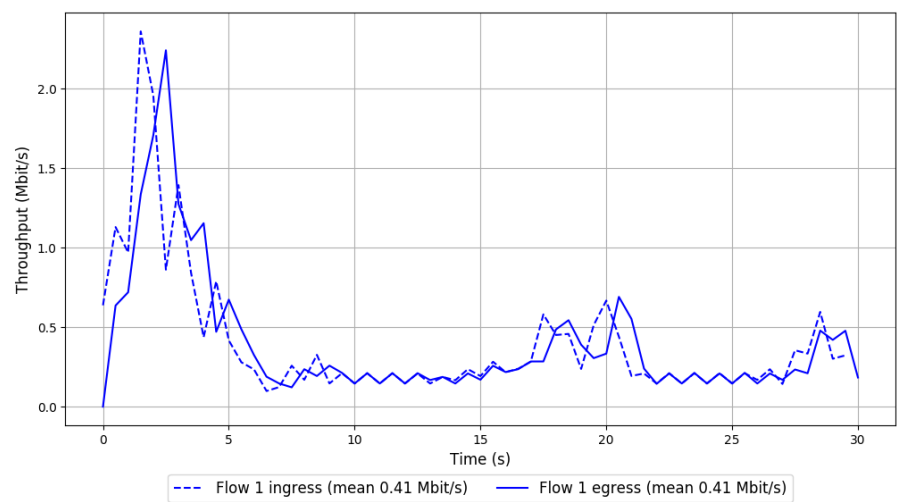
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 83.403 ms

Loss rate: 0.58%

Run 1: Report of Sprout — Data Link

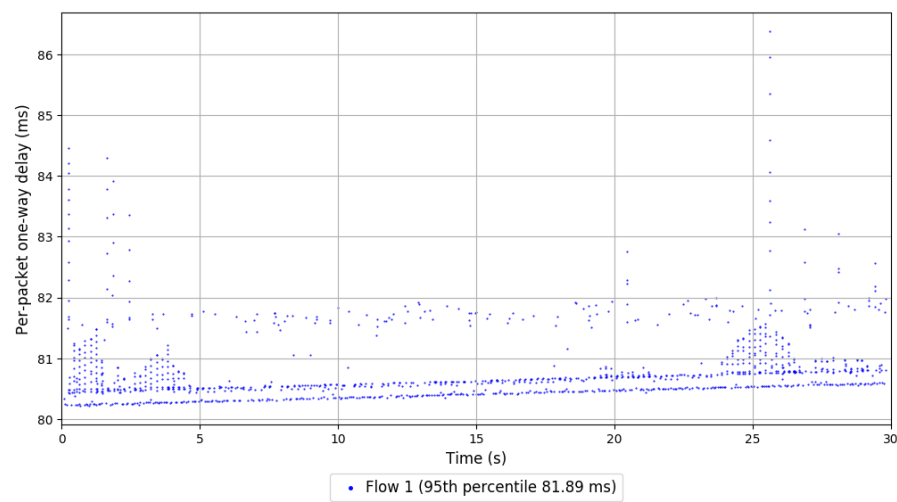
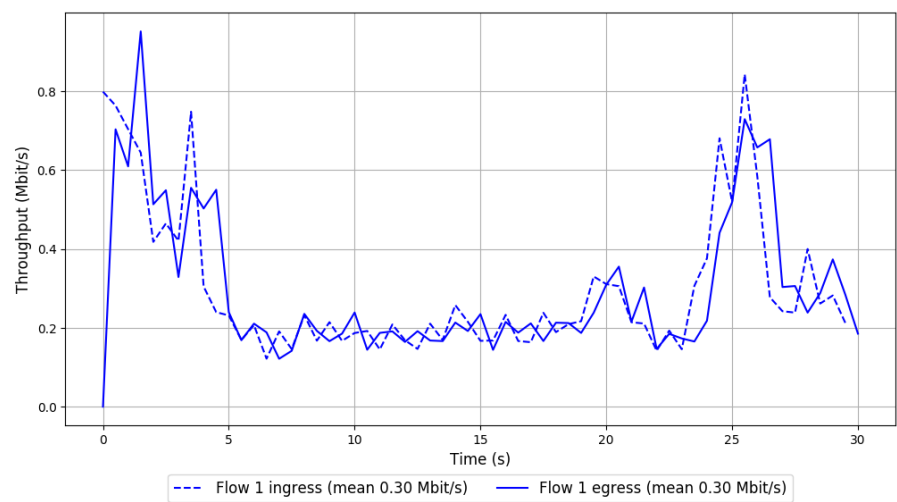


Run 2: Statistics of Sprout

Start at: 2018-05-22 10:26:13
End at: 2018-05-22 10:26:43
Local clock offset: -1.476 ms
Remote clock offset: 12.004 ms

Below is generated by plot.py at 2018-05-22 13:03:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 81.891 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 81.891 ms
Loss rate: 0.16%

Run 2: Report of Sprout — Data Link

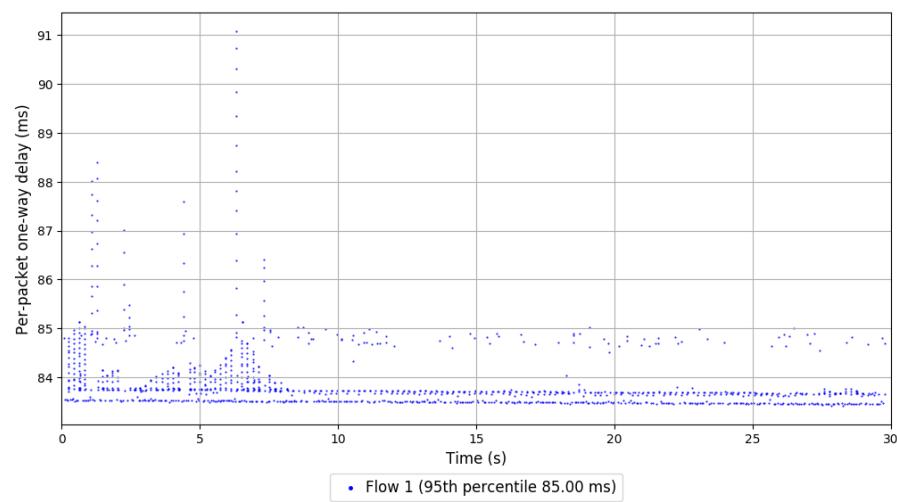
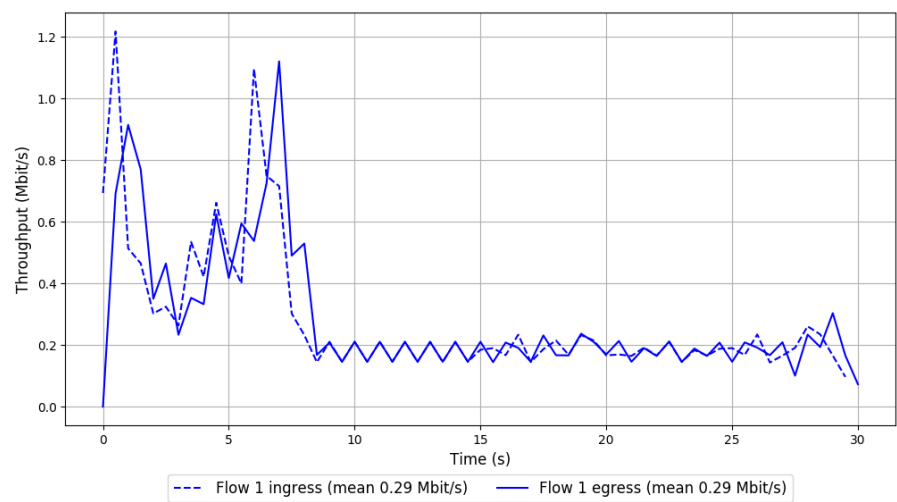


Run 3: Statistics of Sprout

Start at: 2018-05-22 10:44:31
End at: 2018-05-22 10:45:01
Local clock offset: -6.926 ms
Remote clock offset: 5.67 ms

Below is generated by plot.py at 2018-05-22 13:03:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 84.997 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 84.997 ms
Loss rate: 0.28%

Run 3: Report of Sprout — Data Link

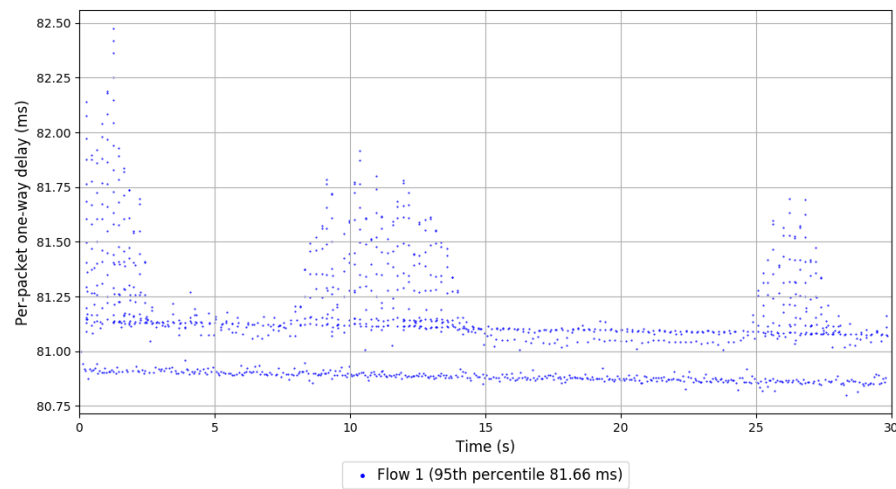
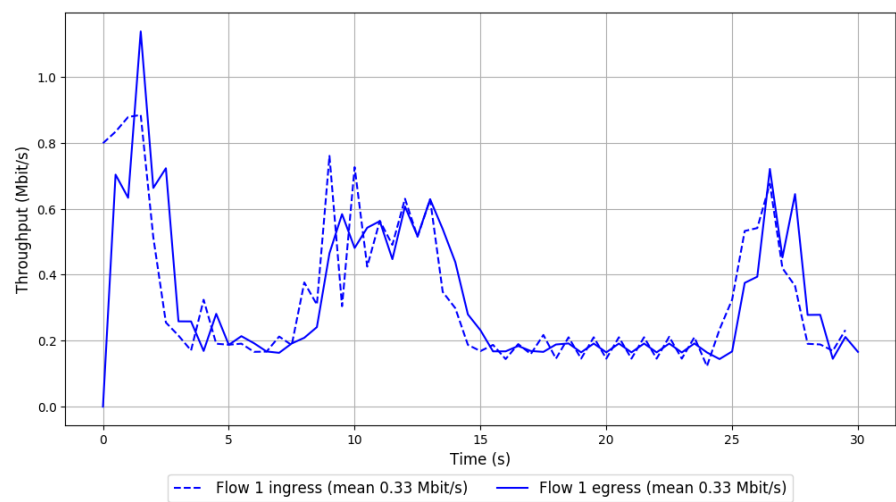


Run 4: Statistics of Sprout

Start at: 2018-05-22 11:02:53
End at: 2018-05-22 11:03:23
Local clock offset: -7.397 ms
Remote clock offset: 7.469 ms

Below is generated by plot.py at 2018-05-22 13:03:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 81.662 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 81.662 ms
Loss rate: 0.35%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-22 11:21:22

End at: 2018-05-22 11:21:52

Local clock offset: -6.528 ms

Remote clock offset: 7.568 ms

Below is generated by plot.py at 2018-05-22 13:03:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 86.237 ms

Loss rate: 0.29%

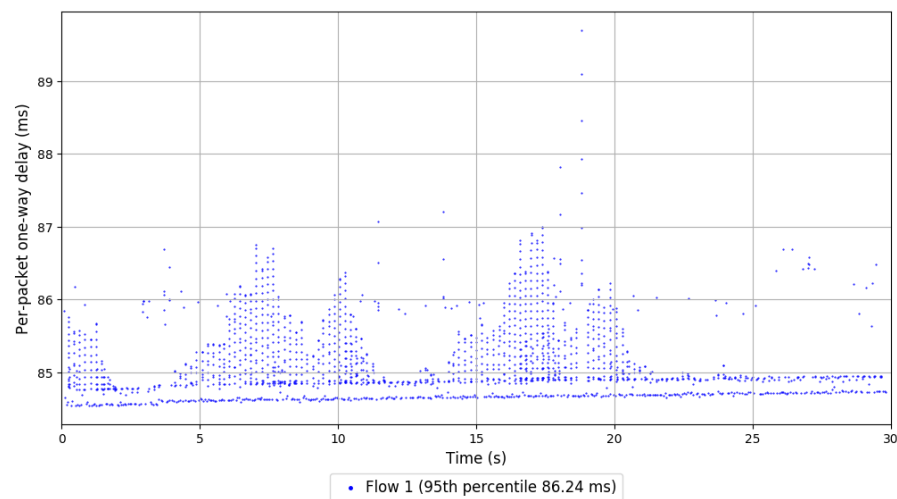
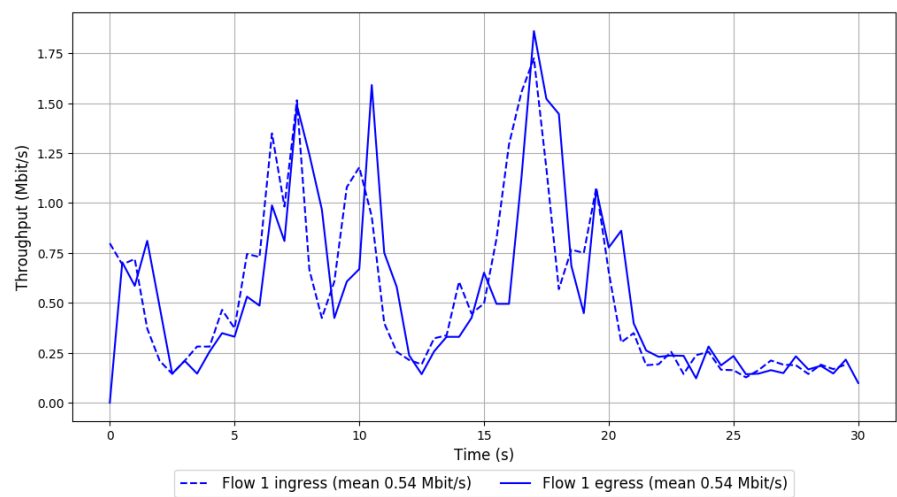
-- Flow 1:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 86.237 ms

Loss rate: 0.29%

Run 5: Report of Sprout — Data Link

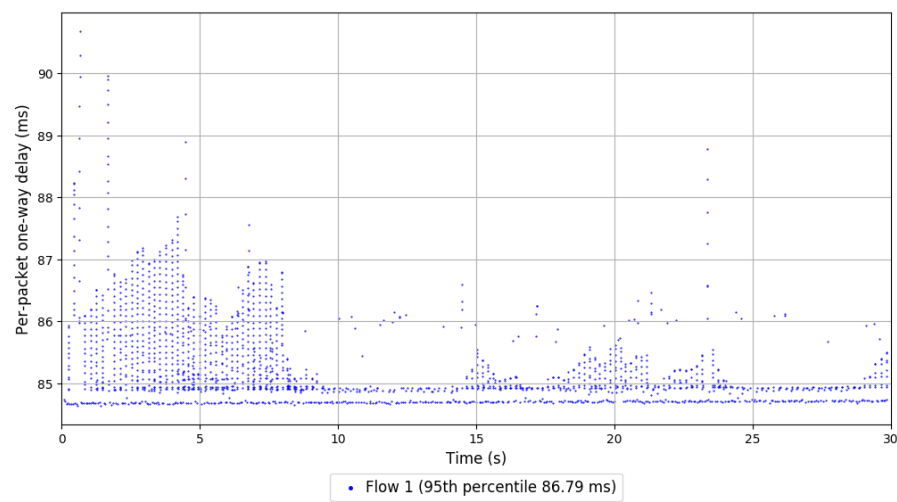
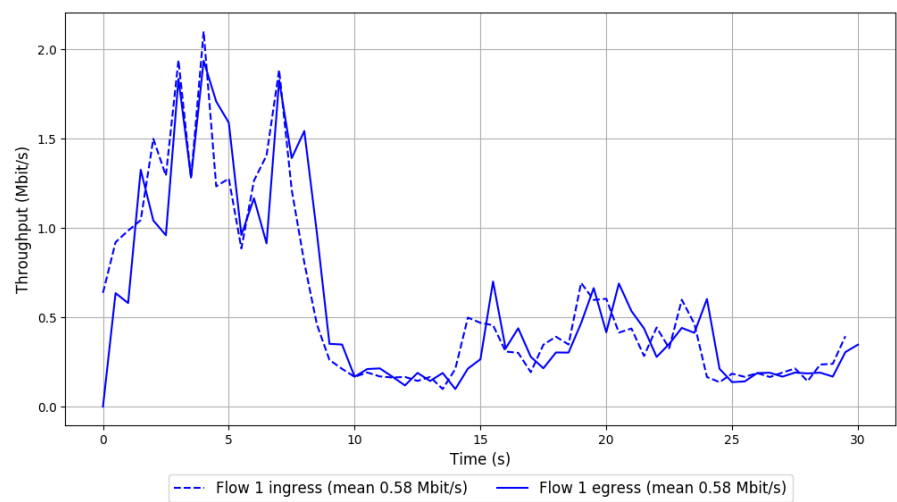


Run 6: Statistics of Sprout

Start at: 2018-05-22 11:39:41
End at: 2018-05-22 11:40:11
Local clock offset: -7.095 ms
Remote clock offset: 11.246 ms

Below is generated by plot.py at 2018-05-22 13:03:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 86.788 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 86.788 ms
Loss rate: 0.15%

Run 6: Report of Sprout — Data Link

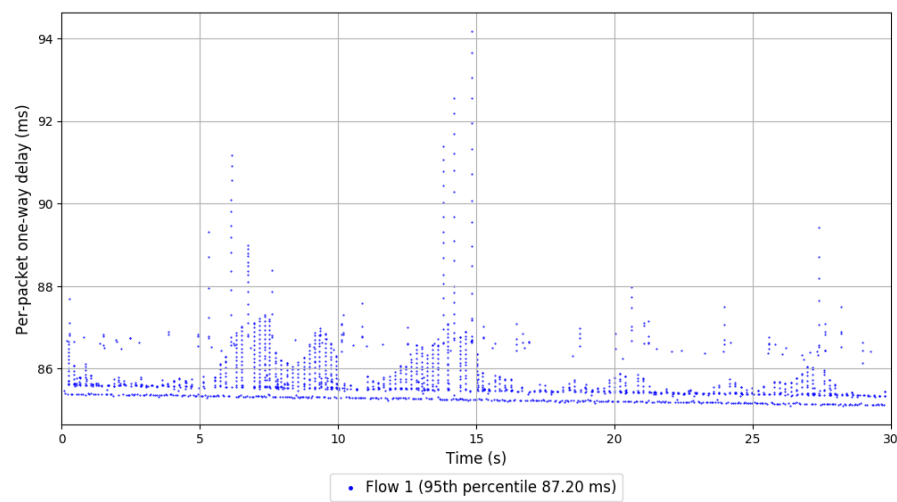
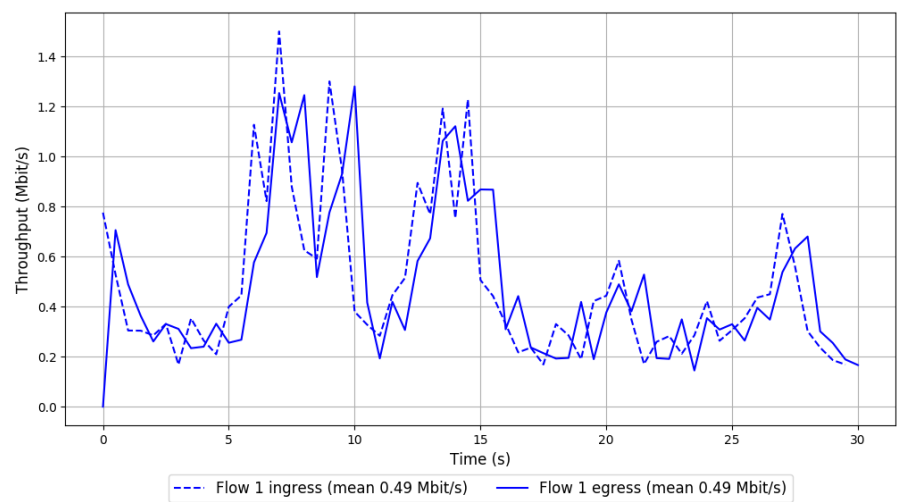


Run 7: Statistics of Sprout

Start at: 2018-05-22 11:57:58
End at: 2018-05-22 11:58:28
Local clock offset: -6.437 ms
Remote clock offset: 9.896 ms

Below is generated by plot.py at 2018-05-22 13:03:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 87.201 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 87.201 ms
Loss rate: 0.17%

Run 7: Report of Sprout — Data Link

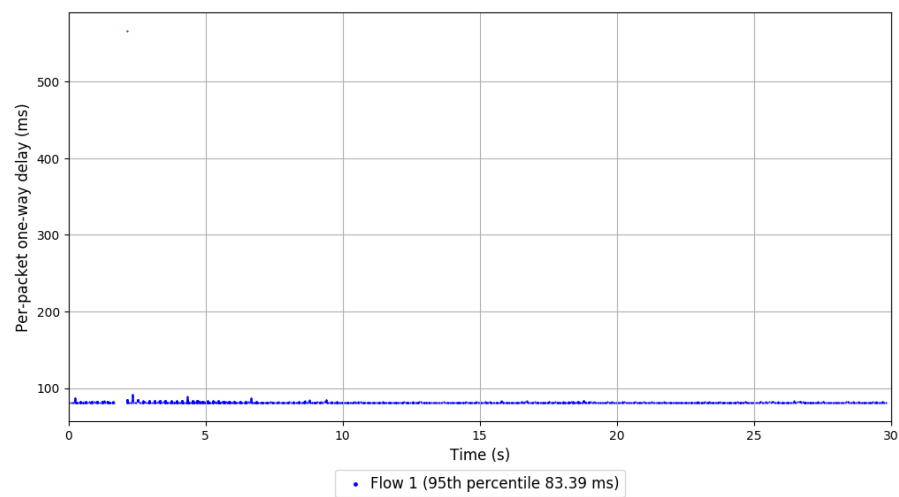
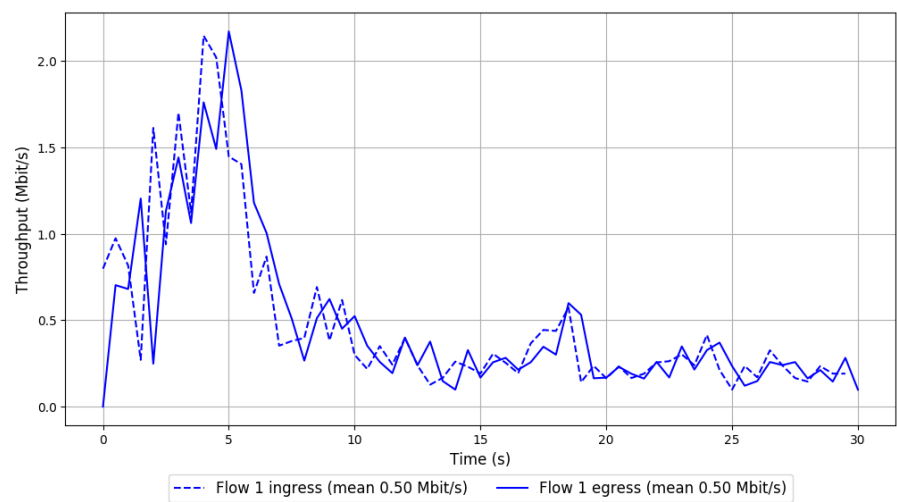


Run 8: Statistics of Sprout

Start at: 2018-05-22 12:16:16
End at: 2018-05-22 12:16:46
Local clock offset: -0.663 ms
Remote clock offset: 13.653 ms

Below is generated by plot.py at 2018-05-22 13:03:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 83.391 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 83.391 ms
Loss rate: 0.32%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-22 12:34:36

End at: 2018-05-22 12:35:06

Local clock offset: -4.499 ms

Remote clock offset: 9.13 ms

Below is generated by plot.py at 2018-05-22 13:03:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 85.767 ms

Loss rate: 0.58%

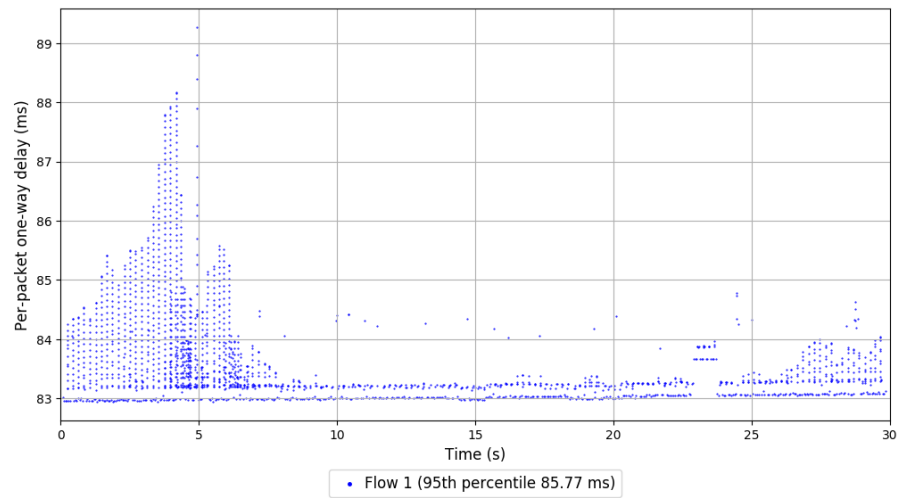
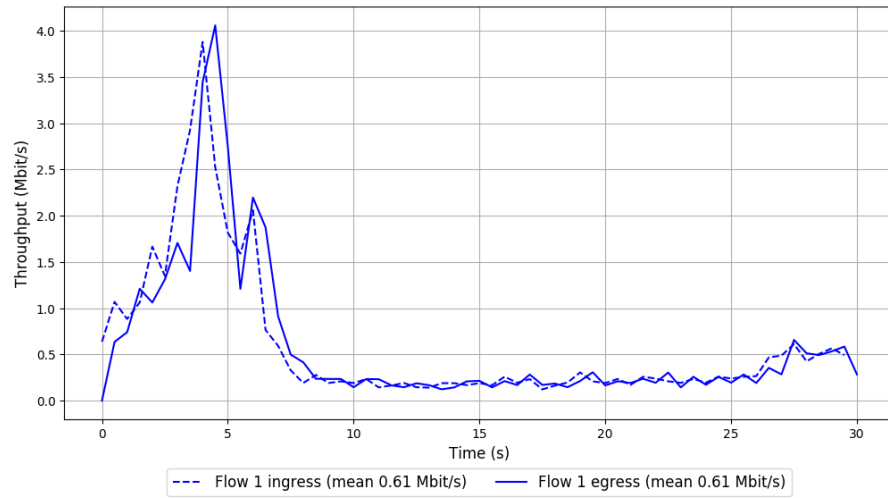
-- Flow 1:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 85.767 ms

Loss rate: 0.58%

Run 9: Report of Sprout — Data Link

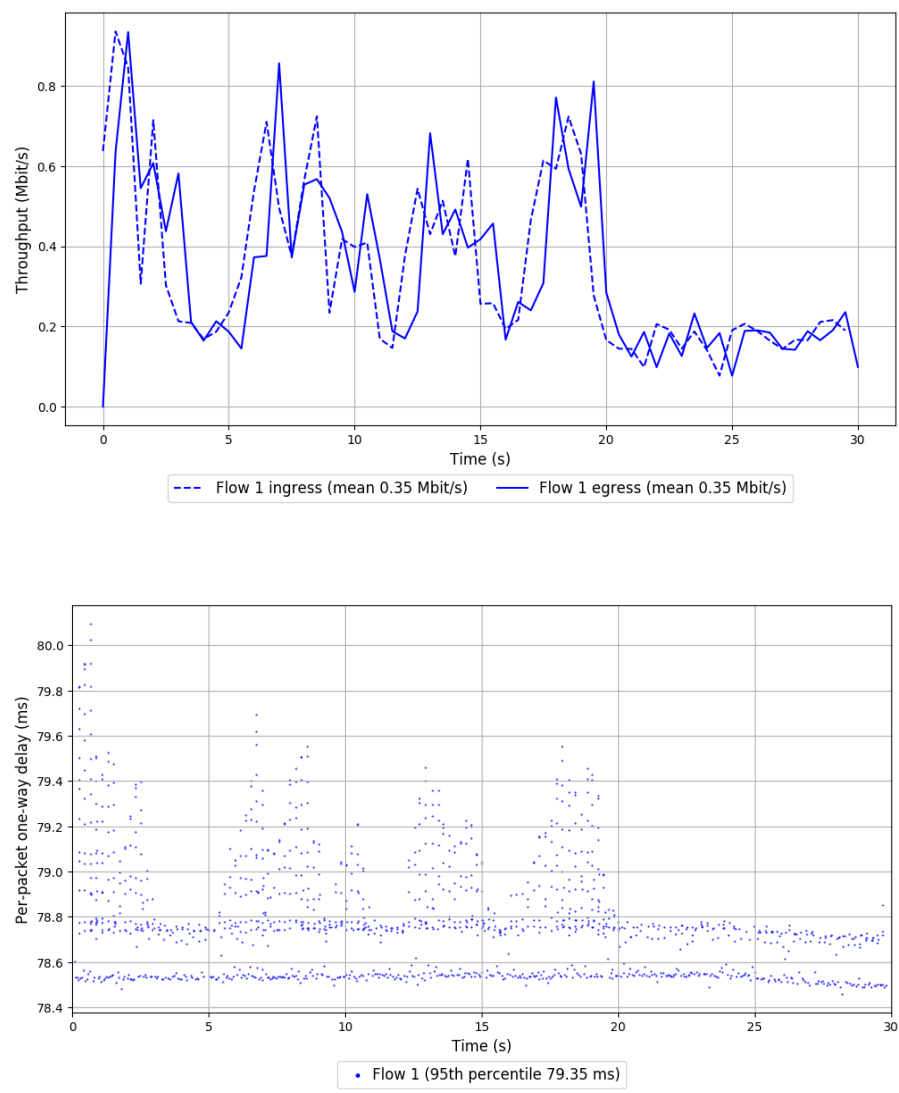


Run 10: Statistics of Sprout

Start at: 2018-05-22 12:53:04
End at: 2018-05-22 12:53:34
Local clock offset: -8.049 ms
Remote clock offset: 12.616 ms

Below is generated by plot.py at 2018-05-22 13:03:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 79.351 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 79.351 ms
Loss rate: 0.56%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-22 09:57:41

End at: 2018-05-22 09:58:11

Local clock offset: -7.577 ms

Remote clock offset: 3.846 ms

Below is generated by plot.py at 2018-05-22 13:04:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.67 Mbit/s

95th percentile per-packet one-way delay: 104.076 ms

Loss rate: 0.67%

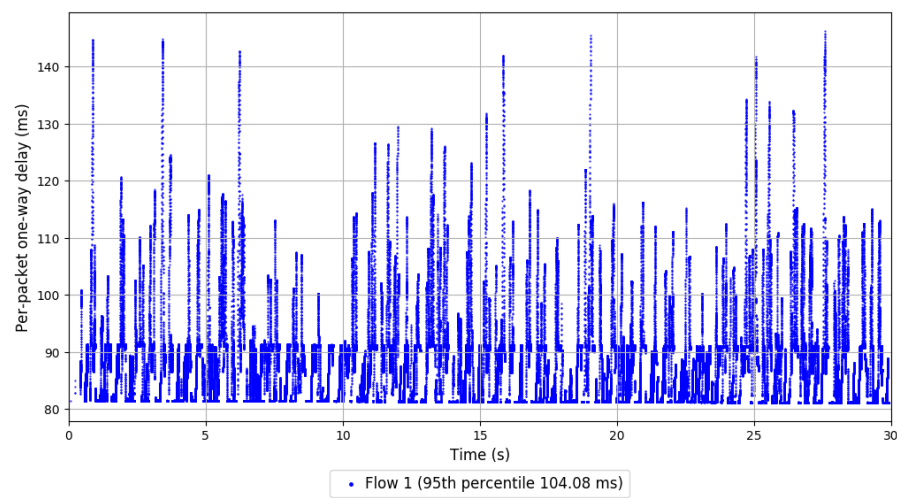
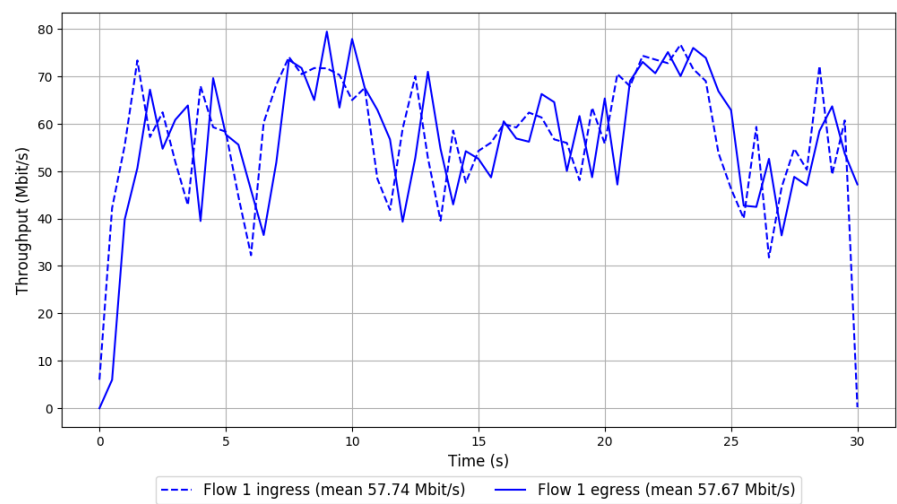
-- Flow 1:

Average throughput: 57.67 Mbit/s

95th percentile per-packet one-way delay: 104.076 ms

Loss rate: 0.67%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-22 10:15:57

End at: 2018-05-22 10:16:28

Local clock offset: -2.19 ms

Remote clock offset: 7.397 ms

Below is generated by plot.py at 2018-05-22 13:04:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.55 Mbit/s

95th percentile per-packet one-way delay: 103.099 ms

Loss rate: 0.63%

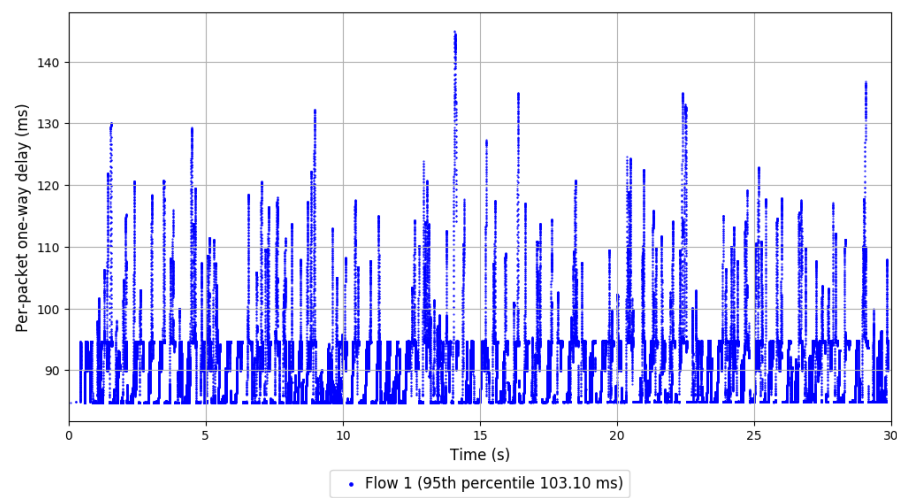
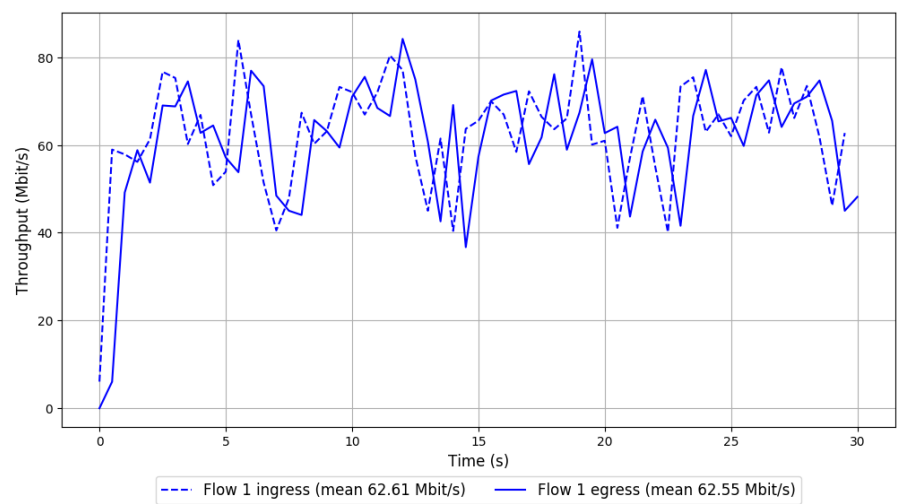
-- Flow 1:

Average throughput: 62.55 Mbit/s

95th percentile per-packet one-way delay: 103.099 ms

Loss rate: 0.63%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-22 10:34:14

End at: 2018-05-22 10:34:45

Local clock offset: -5.049 ms

Remote clock offset: 8.715 ms

Below is generated by plot.py at 2018-05-22 13:04:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.65 Mbit/s

95th percentile per-packet one-way delay: 106.433 ms

Loss rate: 0.30%

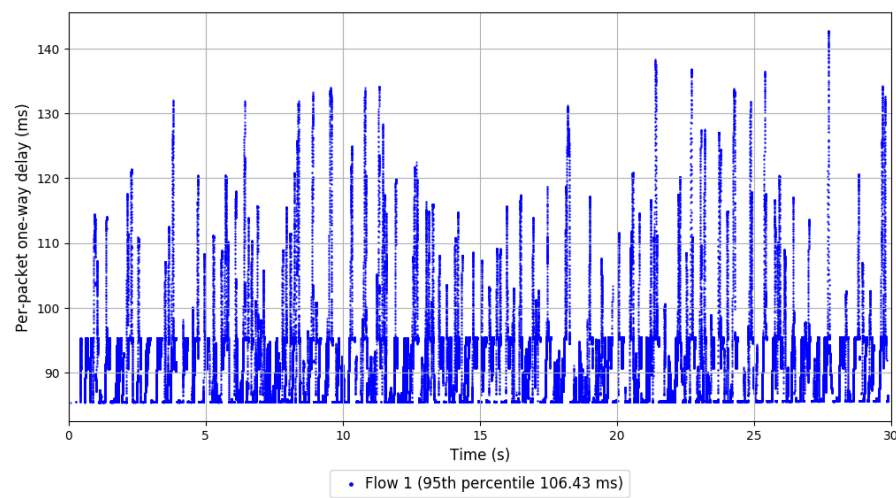
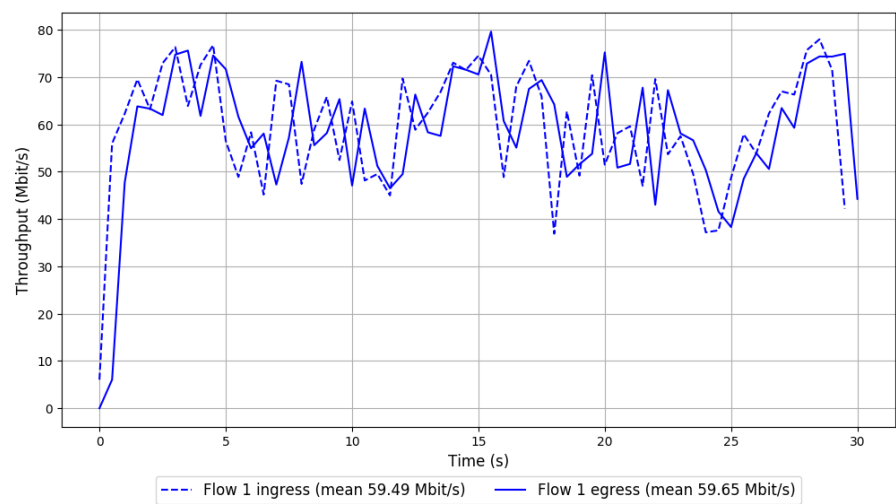
-- Flow 1:

Average throughput: 59.65 Mbit/s

95th percentile per-packet one-way delay: 106.433 ms

Loss rate: 0.30%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-22 10:52:33

End at: 2018-05-22 10:53:03

Local clock offset: -7.646 ms

Remote clock offset: 8.674 ms

Below is generated by plot.py at 2018-05-22 13:05:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.28 Mbit/s

95th percentile per-packet one-way delay: 97.361 ms

Loss rate: 0.64%

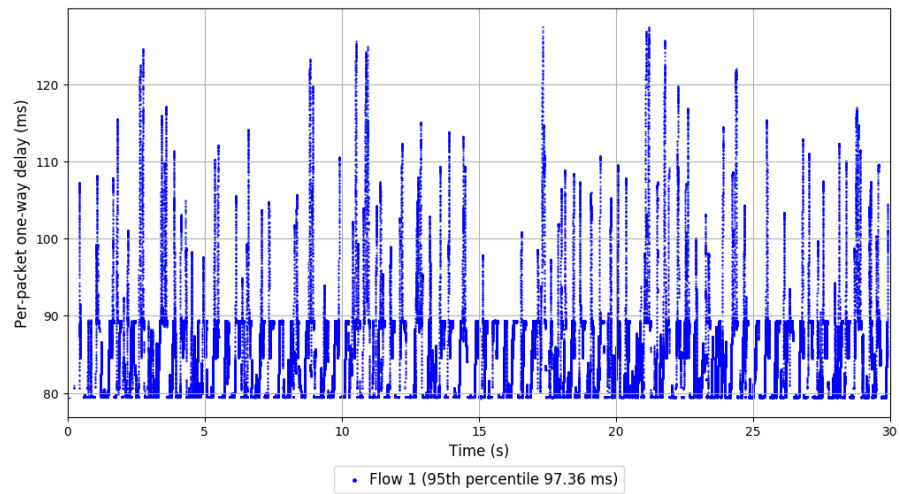
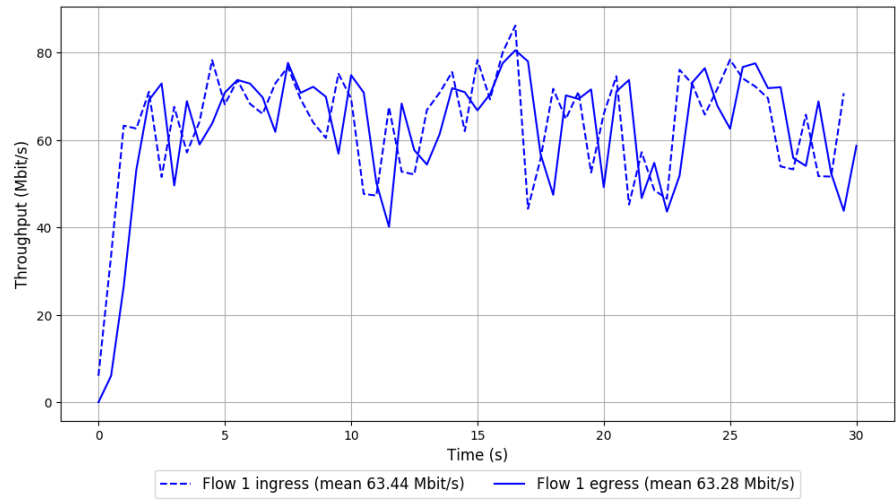
-- Flow 1:

Average throughput: 63.28 Mbit/s

95th percentile per-packet one-way delay: 97.361 ms

Loss rate: 0.64%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-22 11:11:00

End at: 2018-05-22 11:11:30

Local clock offset: 15.365 ms

Remote clock offset: 3.15 ms

Below is generated by plot.py at 2018-05-22 13:05:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.13 Mbit/s

95th percentile per-packet one-way delay: 116.136 ms

Loss rate: 0.54%

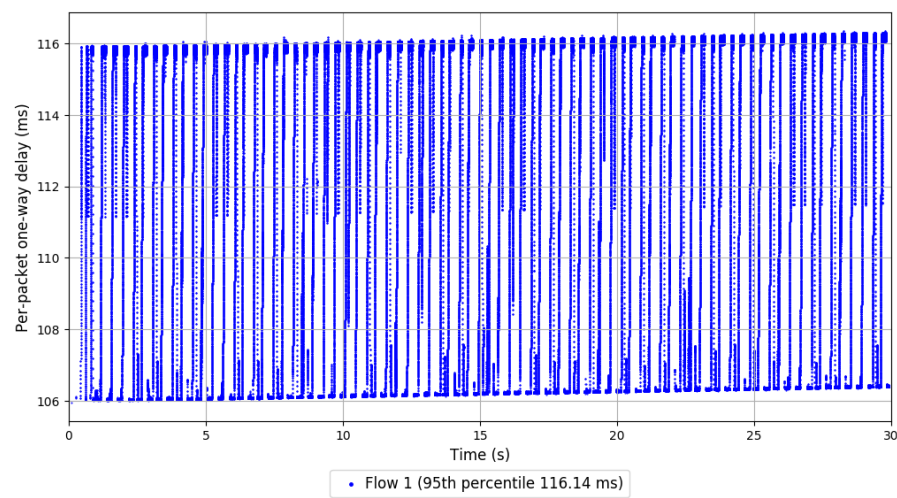
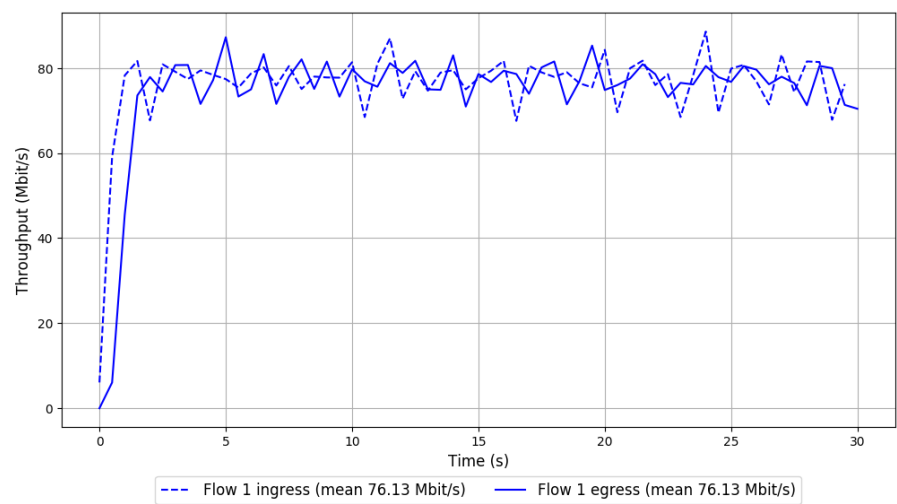
-- Flow 1:

Average throughput: 76.13 Mbit/s

95th percentile per-packet one-way delay: 116.136 ms

Loss rate: 0.54%

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

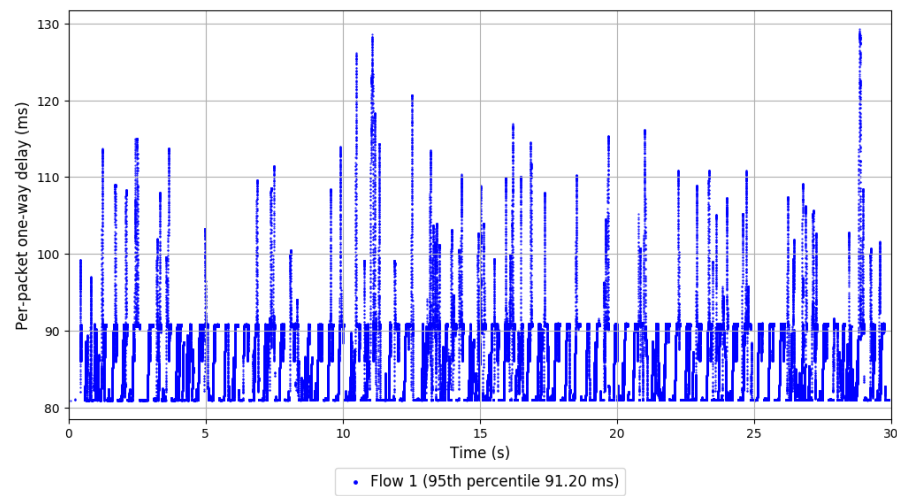
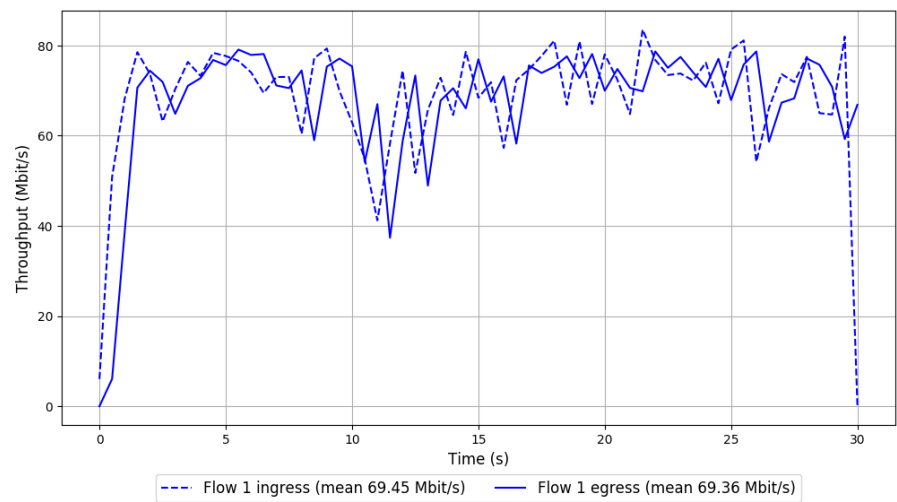


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-22 11:29:25
End at: 2018-05-22 11:29:55
Local clock offset: -6.467 ms
Remote clock offset: 14.816 ms

Below is generated by plot.py at 2018-05-22 13:05:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.36 Mbit/s
95th percentile per-packet one-way delay: 91.196 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 69.36 Mbit/s
95th percentile per-packet one-way delay: 91.196 ms
Loss rate: 0.67%

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

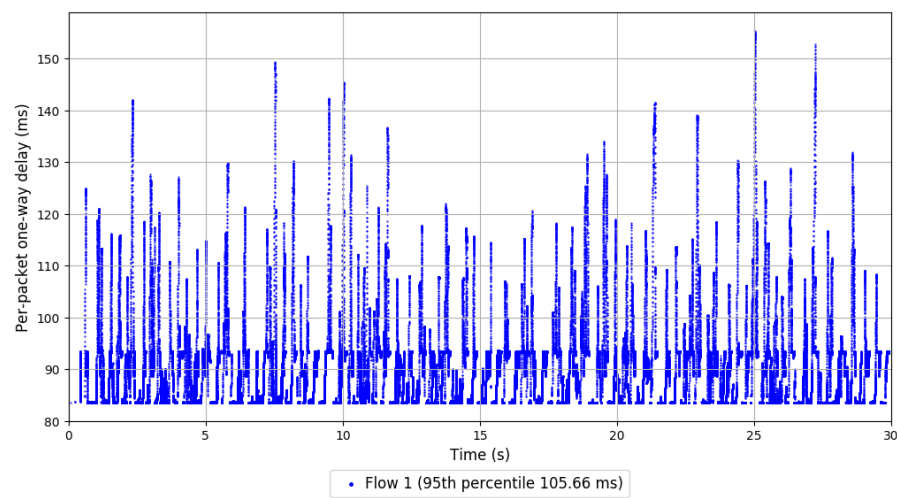
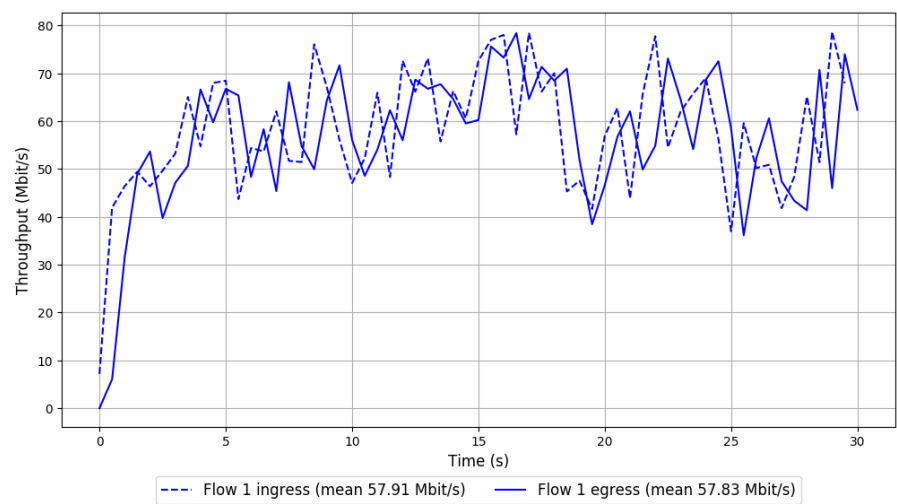


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-22 11:47:43
End at: 2018-05-22 11:48:13
Local clock offset: -6.305 ms
Remote clock offset: 11.249 ms

Below is generated by plot.py at 2018-05-22 13:05:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.83 Mbit/s
95th percentile per-packet one-way delay: 105.658 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 57.83 Mbit/s
95th percentile per-packet one-way delay: 105.658 ms
Loss rate: 0.68%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-22 12:06:00

End at: 2018-05-22 12:06:30

Local clock offset: -4.018 ms

Remote clock offset: 9.746 ms

Below is generated by plot.py at 2018-05-22 13:05:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.03 Mbit/s

95th percentile per-packet one-way delay: 100.721 ms

Loss rate: 0.65%

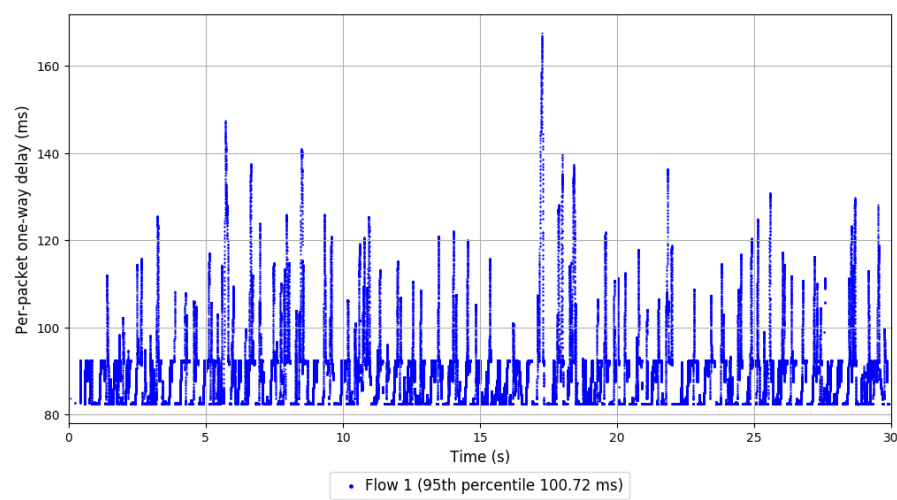
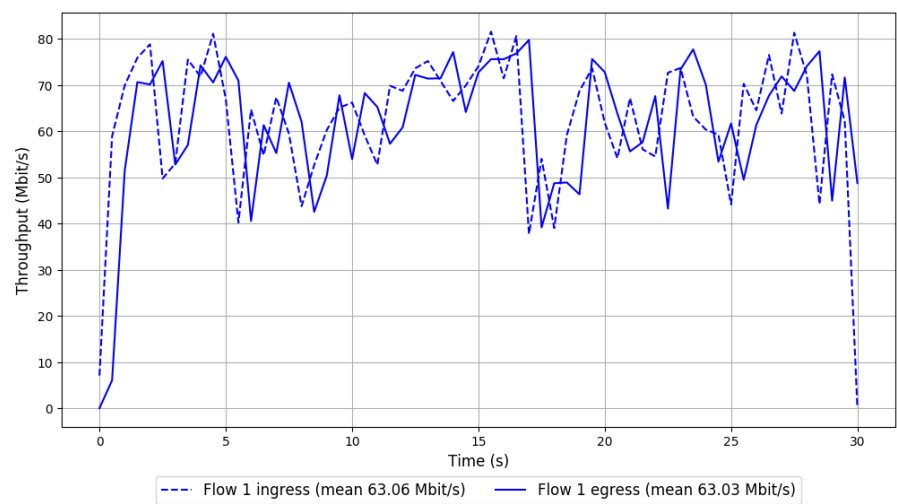
-- Flow 1:

Average throughput: 63.03 Mbit/s

95th percentile per-packet one-way delay: 100.721 ms

Loss rate: 0.65%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-22 12:24:19

End at: 2018-05-22 12:24:49

Local clock offset: -1.433 ms

Remote clock offset: 9.114 ms

Below is generated by plot.py at 2018-05-22 13:06:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.76 Mbit/s

95th percentile per-packet one-way delay: 95.895 ms

Loss rate: 0.63%

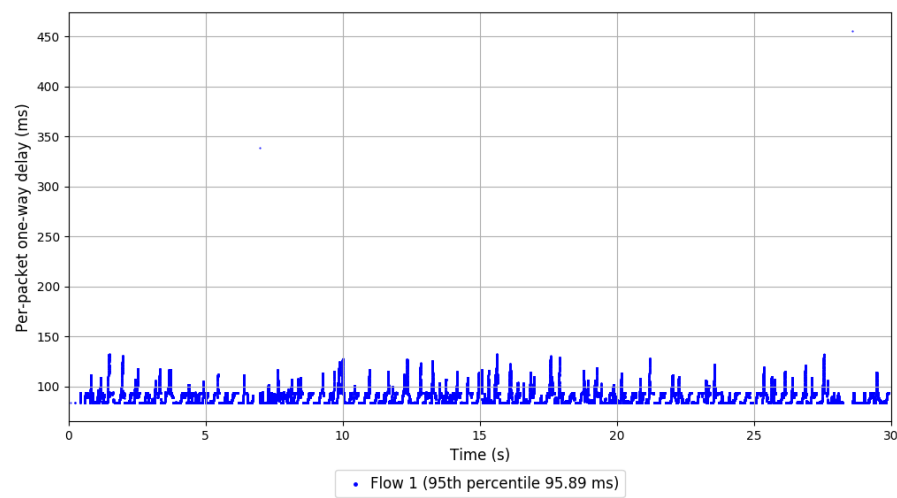
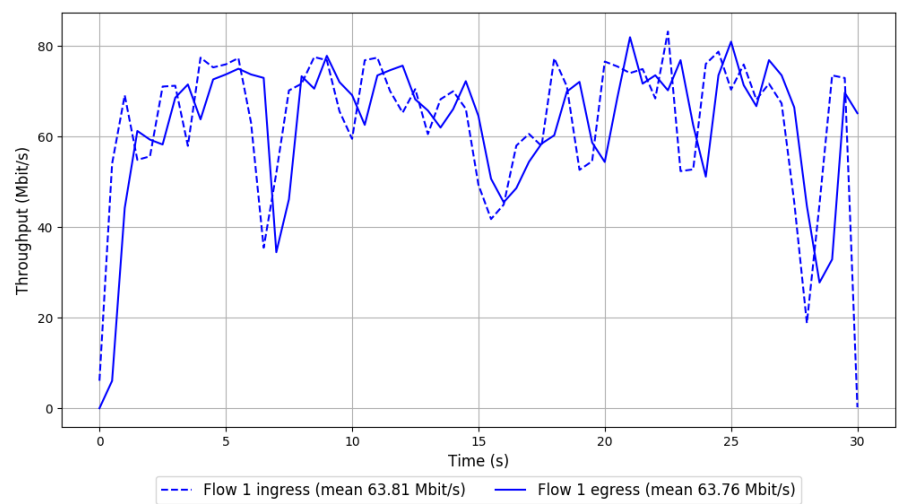
-- Flow 1:

Average throughput: 63.76 Mbit/s

95th percentile per-packet one-way delay: 95.895 ms

Loss rate: 0.63%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-22 12:42:43

End at: 2018-05-22 12:43:13

Local clock offset: -5.537 ms

Remote clock offset: 12.616 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.86 Mbit/s

95th percentile per-packet one-way delay: 91.978 ms

Loss rate: 0.53%

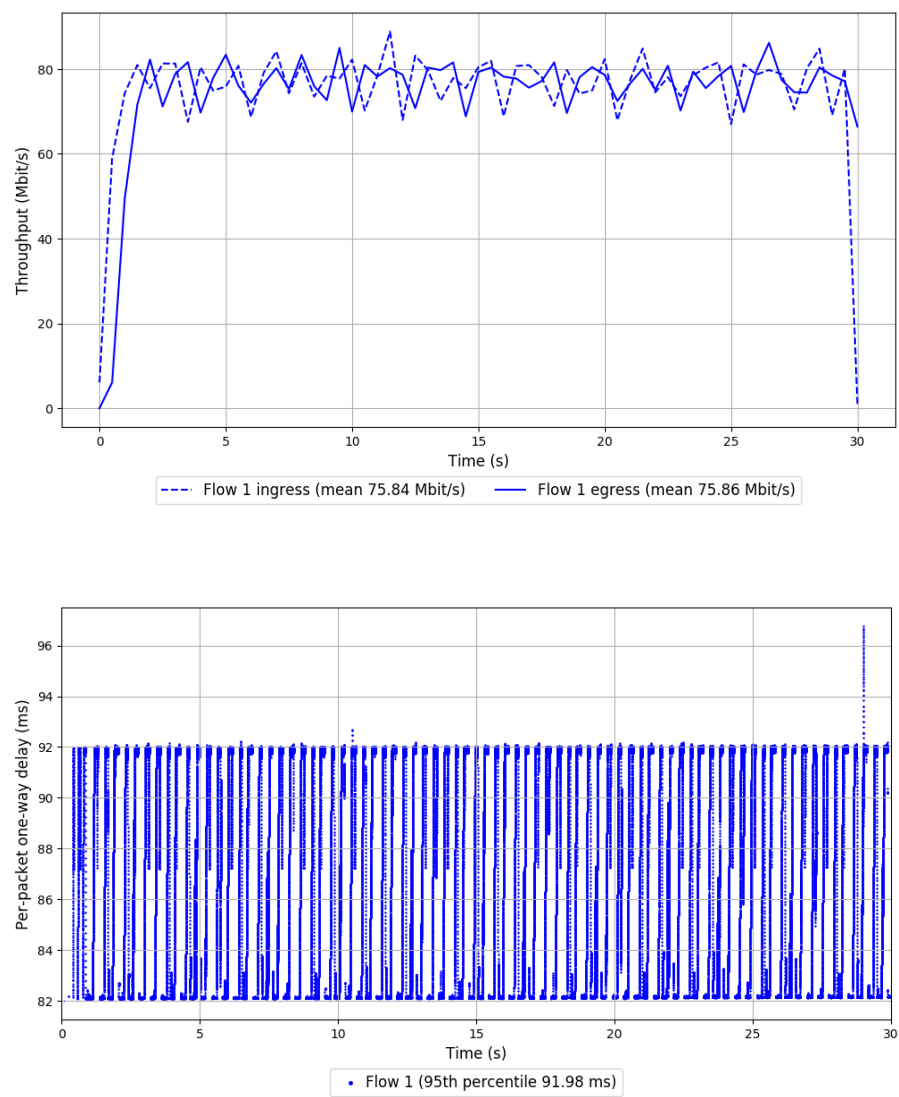
-- Flow 1:

Average throughput: 75.86 Mbit/s

95th percentile per-packet one-way delay: 91.978 ms

Loss rate: 0.53%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-22 09:54:16

End at: 2018-05-22 09:54:46

Local clock offset: -8.189 ms

Remote clock offset: 0.52 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.91 Mbit/s

95th percentile per-packet one-way delay: 98.107 ms

Loss rate: 0.52%

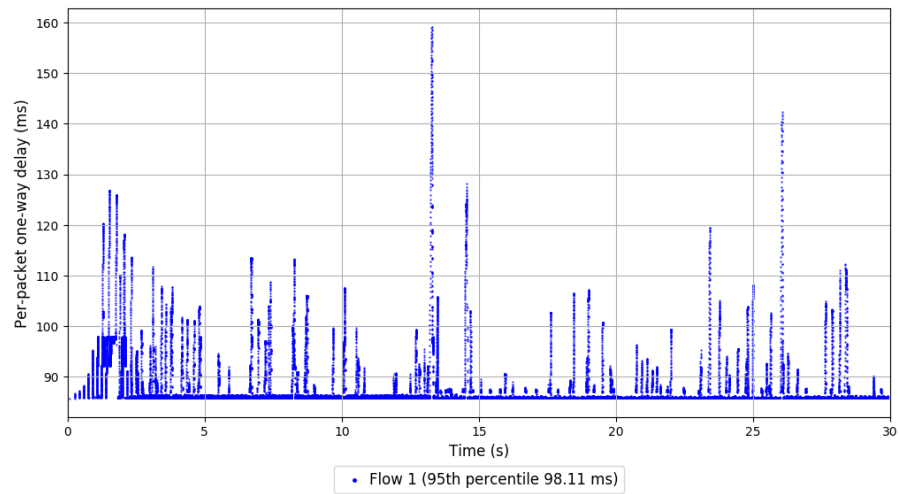
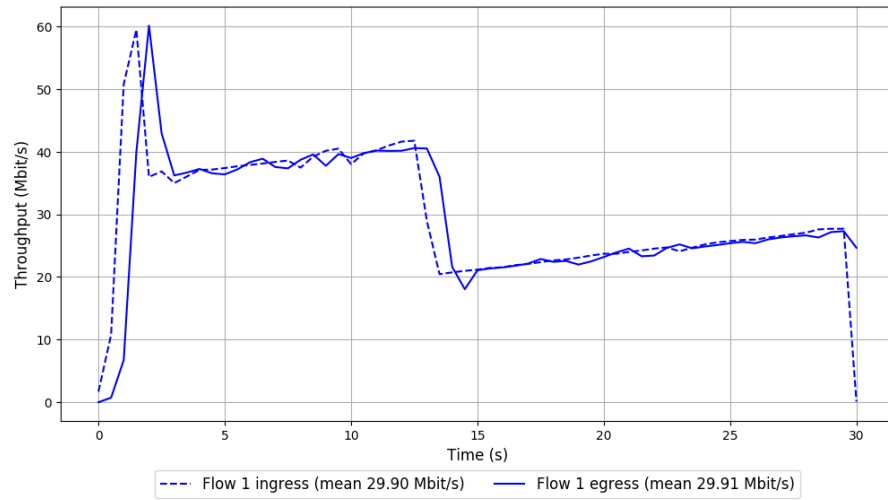
-- Flow 1:

Average throughput: 29.91 Mbit/s

95th percentile per-packet one-way delay: 98.107 ms

Loss rate: 0.52%

Run 1: Report of TCP Vegas — Data Link

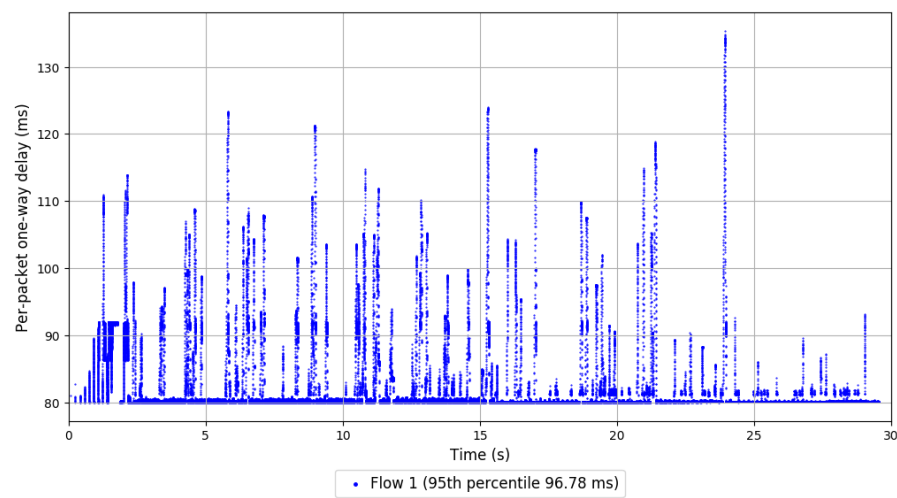
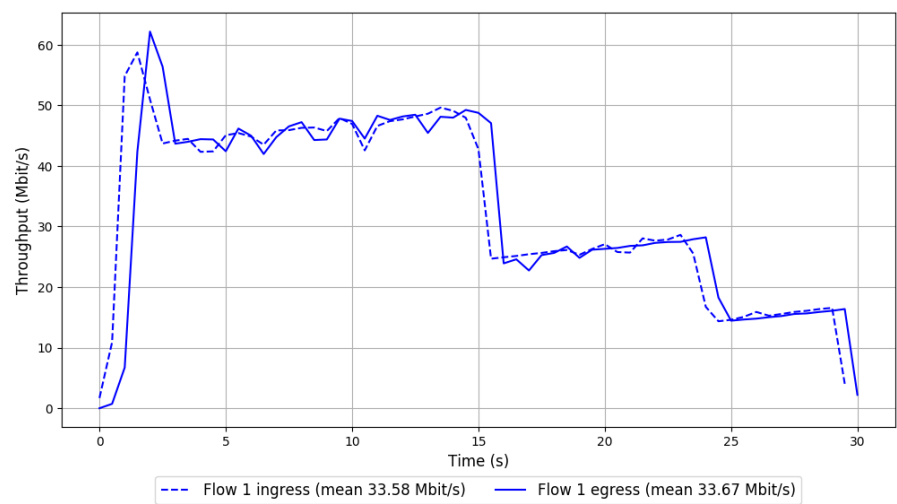


Run 2: Statistics of TCP Vegas

Start at: 2018-05-22 10:12:31
End at: 2018-05-22 10:13:01
Local clock offset: -2.757 ms
Remote clock offset: 10.838 ms

Below is generated by plot.py at 2018-05-22 13:06:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.67 Mbit/s
95th percentile per-packet one-way delay: 96.782 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 33.67 Mbit/s
95th percentile per-packet one-way delay: 96.782 ms
Loss rate: 0.28%

Run 2: Report of TCP Vegas — Data Link

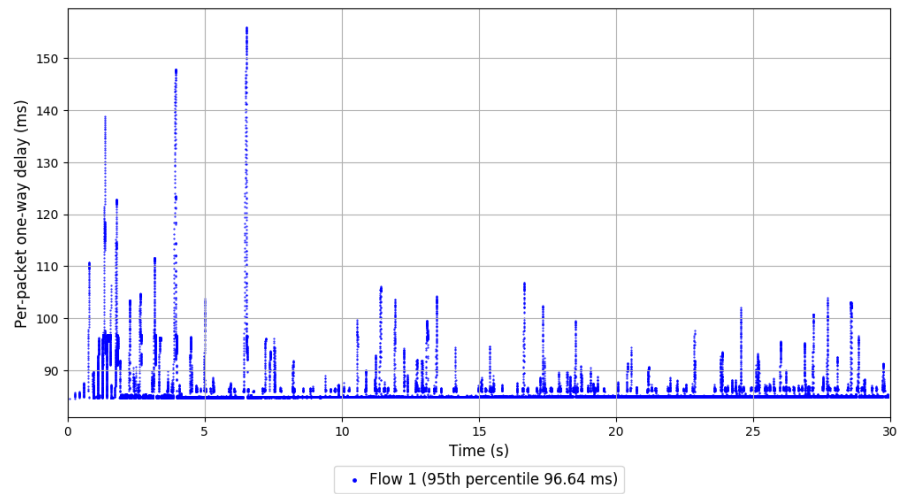
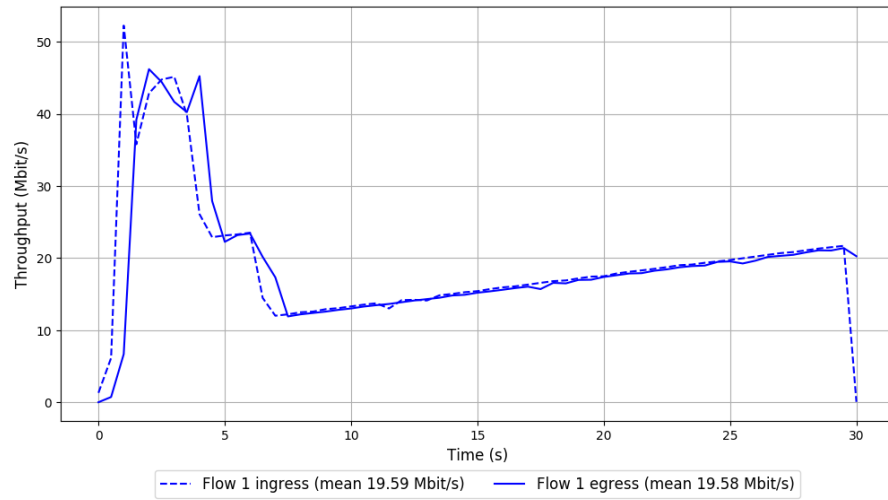


Run 3: Statistics of TCP Vegas

Start at: 2018-05-22 10:30:48
End at: 2018-05-22 10:31:18
Local clock offset: -3.796 ms
Remote clock offset: 9.294 ms

Below is generated by plot.py at 2018-05-22 13:06:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.58 Mbit/s
95th percentile per-packet one-way delay: 96.640 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 19.58 Mbit/s
95th percentile per-packet one-way delay: 96.640 ms
Loss rate: 0.62%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-05-22 10:49:06

End at: 2018-05-22 10:49:36

Local clock offset: -7.338 ms

Remote clock offset: 4.442 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.44 Mbit/s

95th percentile per-packet one-way delay: 96.066 ms

Loss rate: 0.62%

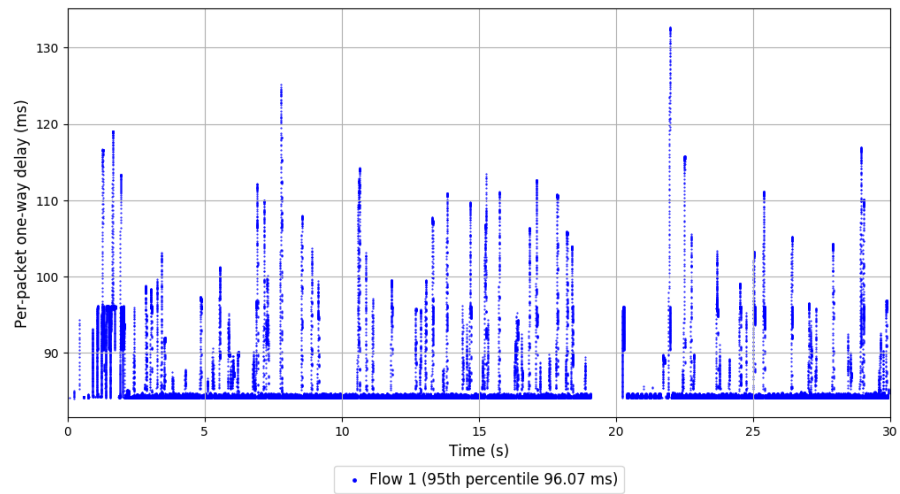
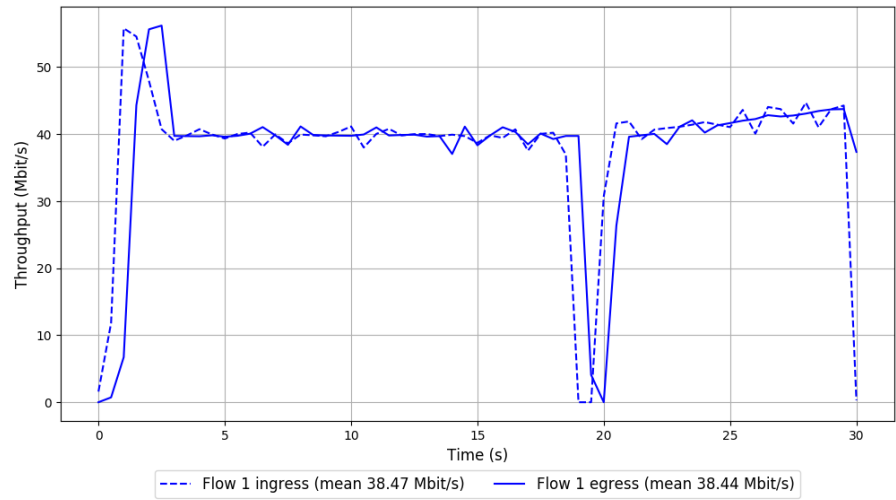
-- Flow 1:

Average throughput: 38.44 Mbit/s

95th percentile per-packet one-way delay: 96.066 ms

Loss rate: 0.62%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-22 11:07:30

End at: 2018-05-22 11:08:00

Local clock offset: -6.96 ms

Remote clock offset: 3.319 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.16 Mbit/s

95th percentile per-packet one-way delay: 86.303 ms

Loss rate: 0.56%

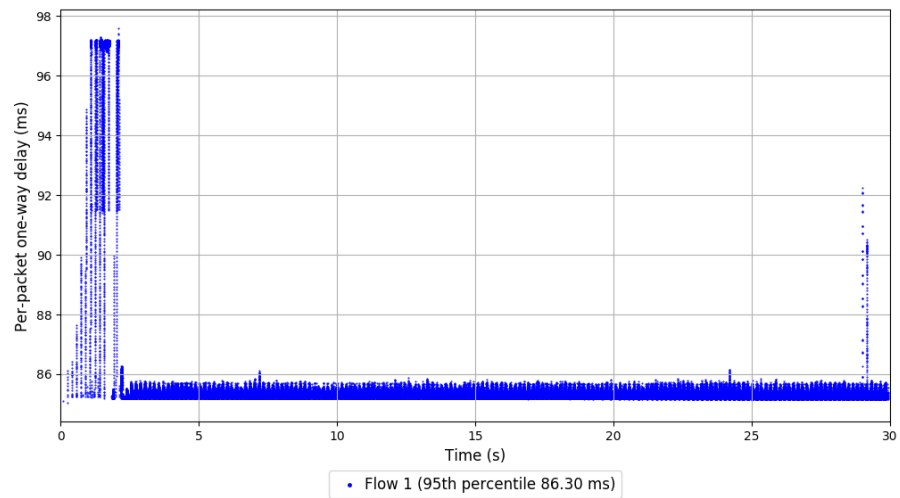
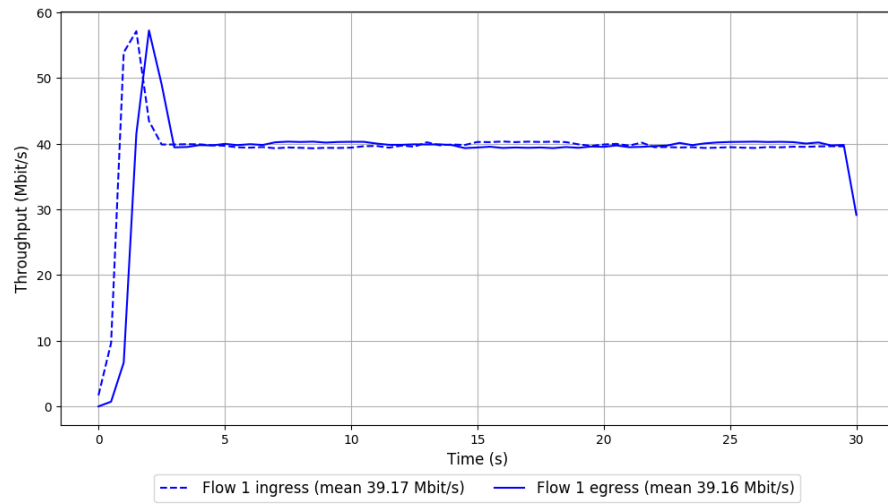
-- Flow 1:

Average throughput: 39.16 Mbit/s

95th percentile per-packet one-way delay: 86.303 ms

Loss rate: 0.56%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-22 11:25:58

End at: 2018-05-22 11:26:28

Local clock offset: -8.141 ms

Remote clock offset: 8.645 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.44 Mbit/s

95th percentile per-packet one-way delay: 96.969 ms

Loss rate: 0.44%

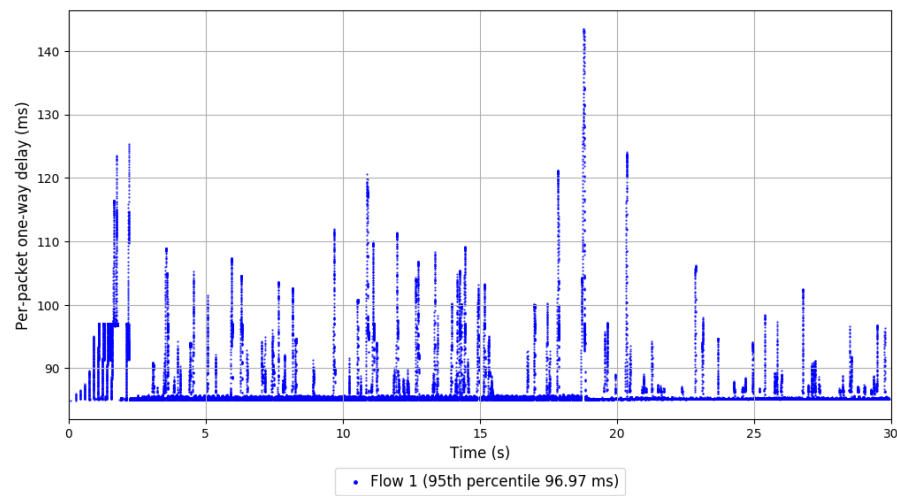
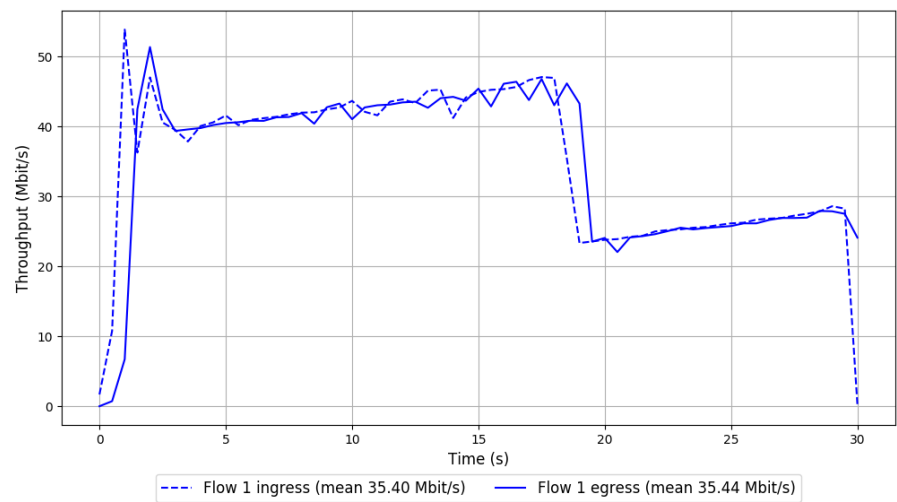
-- Flow 1:

Average throughput: 35.44 Mbit/s

95th percentile per-packet one-way delay: 96.969 ms

Loss rate: 0.44%

Run 6: Report of TCP Vegas — Data Link

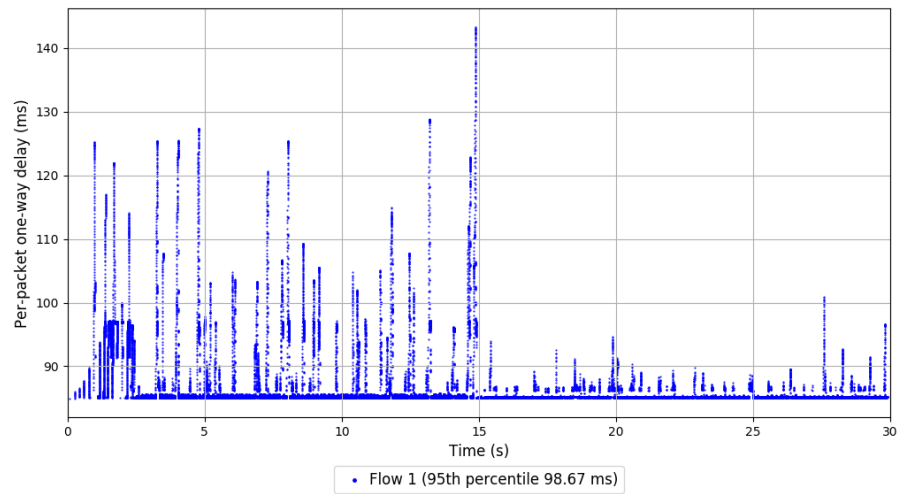
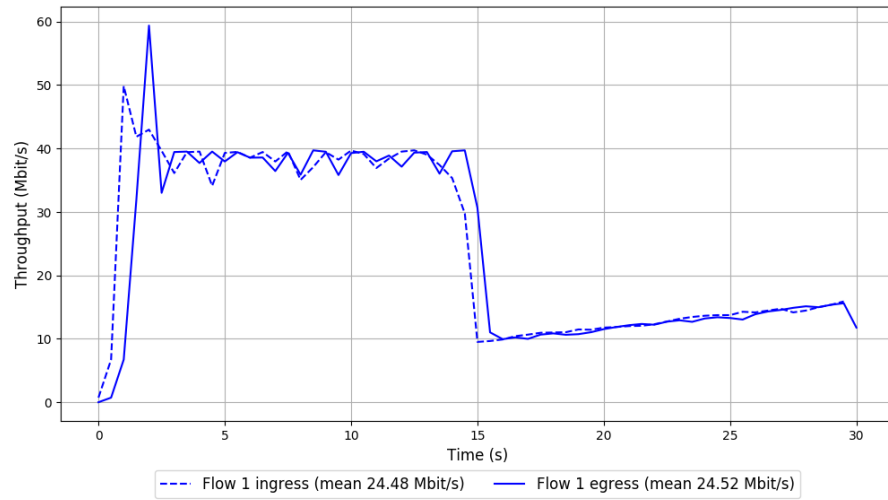


Run 7: Statistics of TCP Vegas

Start at: 2018-05-22 11:44:17
End at: 2018-05-22 11:44:47
Local clock offset: -7.052 ms
Remote clock offset: 10.703 ms

Below is generated by plot.py at 2018-05-22 13:06:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 98.673 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 98.673 ms
Loss rate: 0.36%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-22 12:02:33

End at: 2018-05-22 12:03:03

Local clock offset: -5.115 ms

Remote clock offset: 9.711 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.86 Mbit/s

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

Loss rate: 0.50%

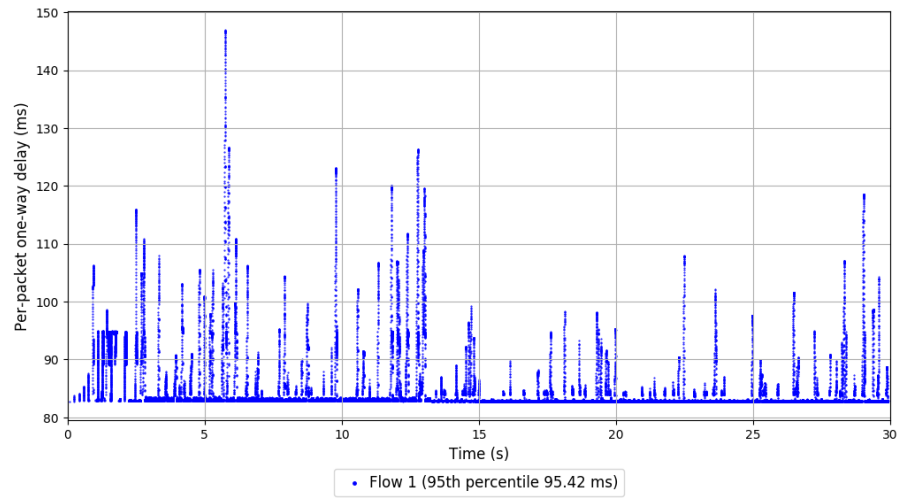
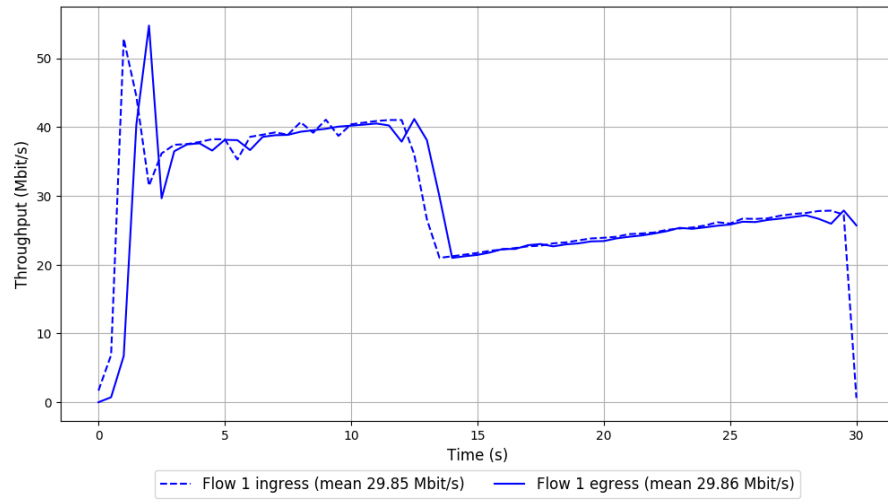
-- Flow 1:

Average throughput: 29.86 Mbit/s

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

Loss rate: 0.50%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-22 12:20:51

End at: 2018-05-22 12:21:21

Local clock offset: -1.047 ms

Remote clock offset: 9.724 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.40 Mbit/s

95th percentile per-packet one-way delay: 96.130 ms

Loss rate: 0.38%

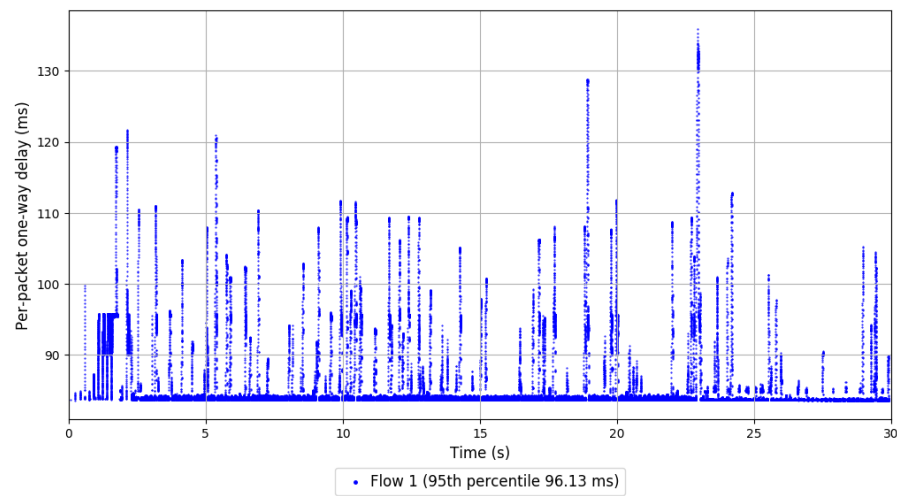
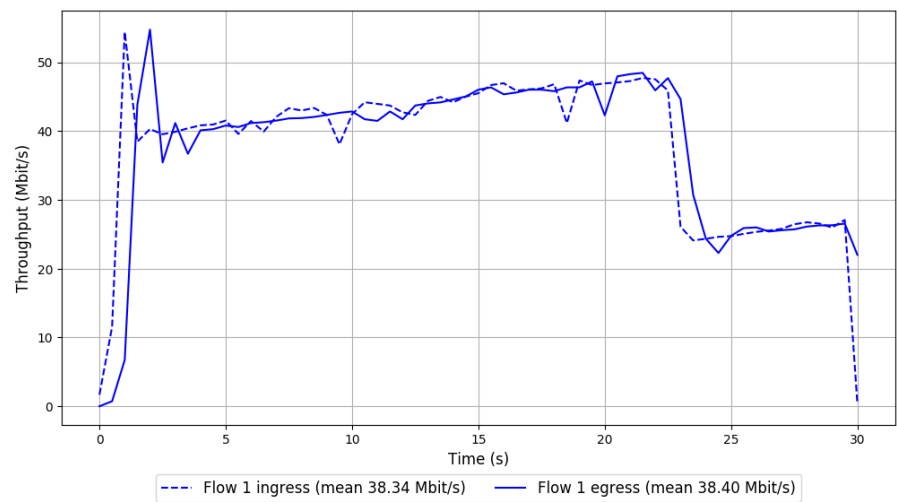
-- Flow 1:

Average throughput: 38.40 Mbit/s

95th percentile per-packet one-way delay: 96.130 ms

Loss rate: 0.38%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-22 12:39:12

End at: 2018-05-22 12:39:42

Local clock offset: -6.491 ms

Remote clock offset: 8.209 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.95 Mbit/s

95th percentile per-packet one-way delay: 94.177 ms

Loss rate: 0.63%

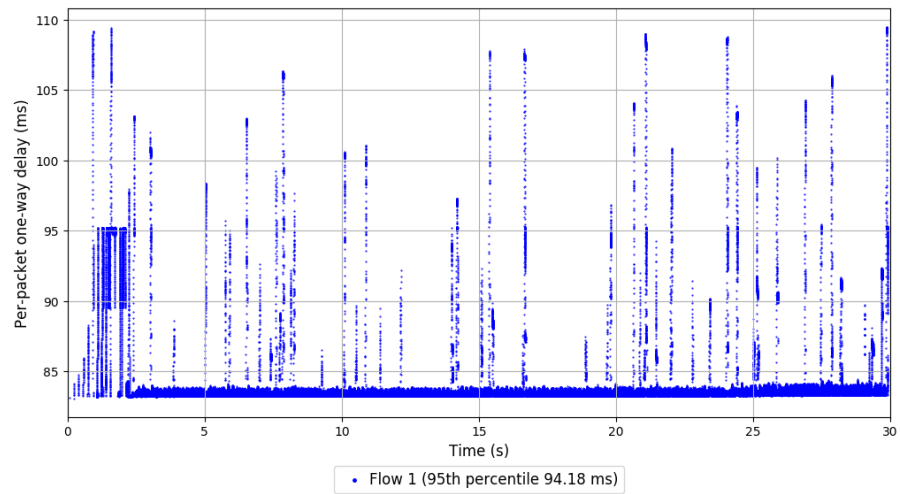
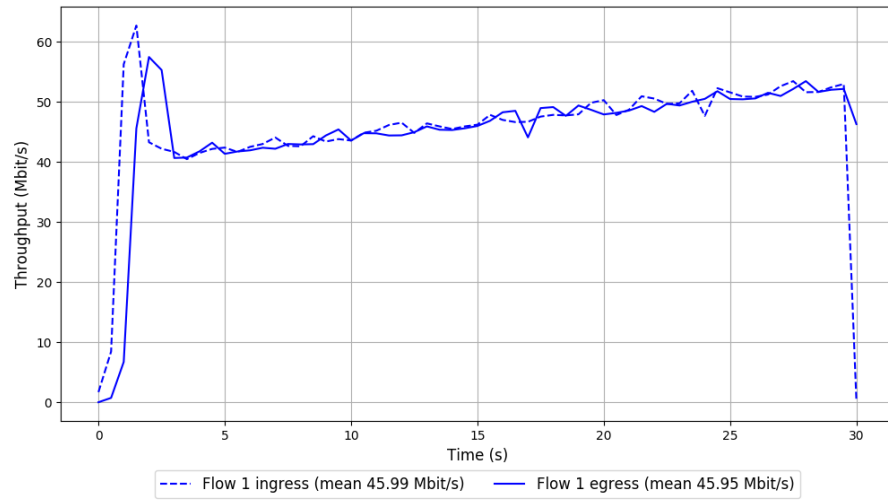
-- Flow 1:

Average throughput: 45.95 Mbit/s

95th percentile per-packet one-way delay: 94.177 ms

Loss rate: 0.63%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-22 10:05:43

End at: 2018-05-22 10:06:13

Local clock offset: -4.013 ms

Remote clock offset: 2.643 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.439 ms

Loss rate: 0.00%

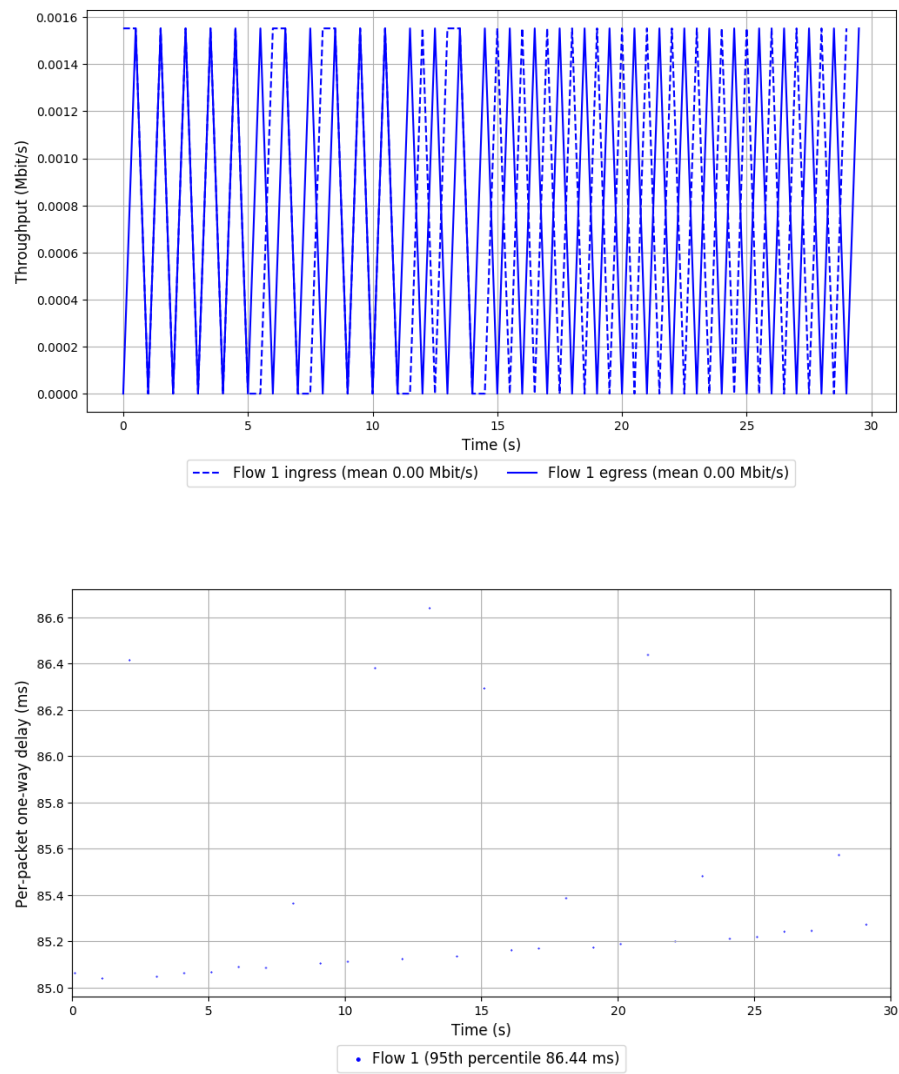
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.439 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link

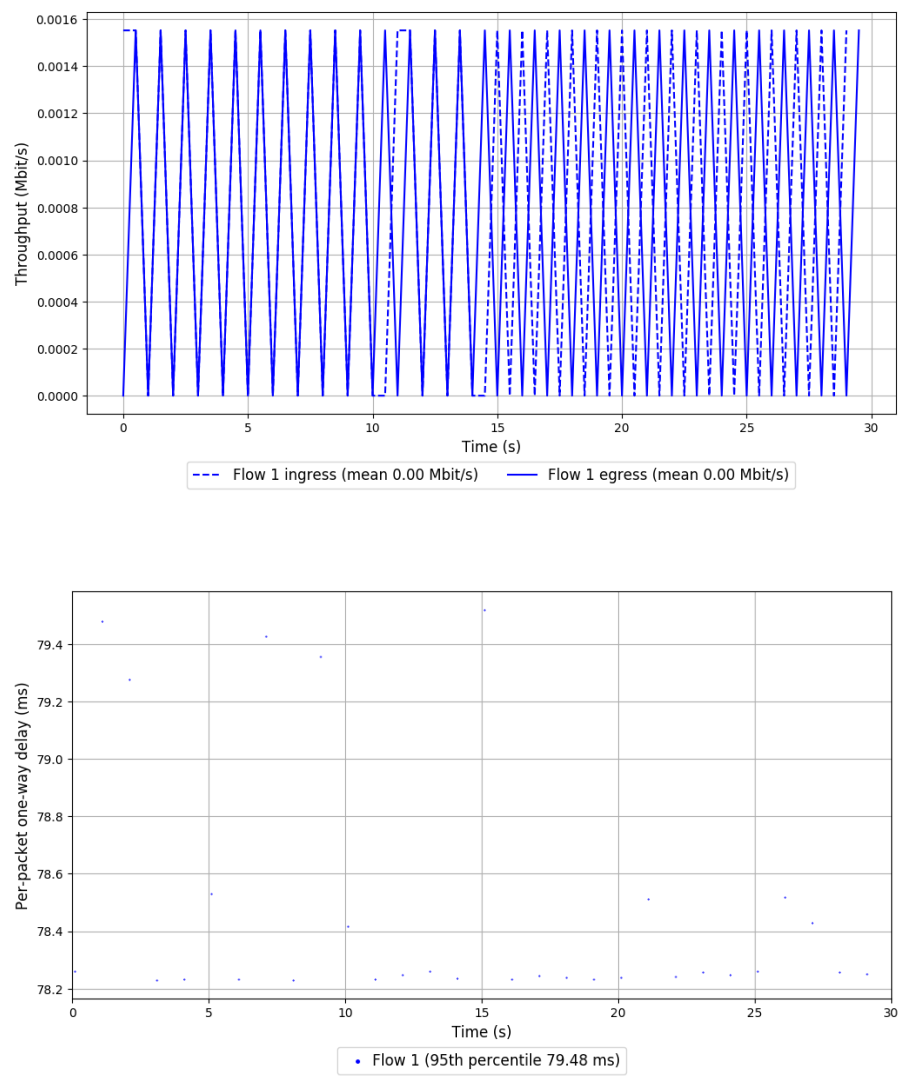


Run 2: Statistics of Verus

Start at: 2018-05-22 10:24:00
End at: 2018-05-22 10:24:30
Local clock offset: -1.669 ms
Remote clock offset: 13.475 ms

Below is generated by plot.py at 2018-05-22 13:06:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 79.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 79.479 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link

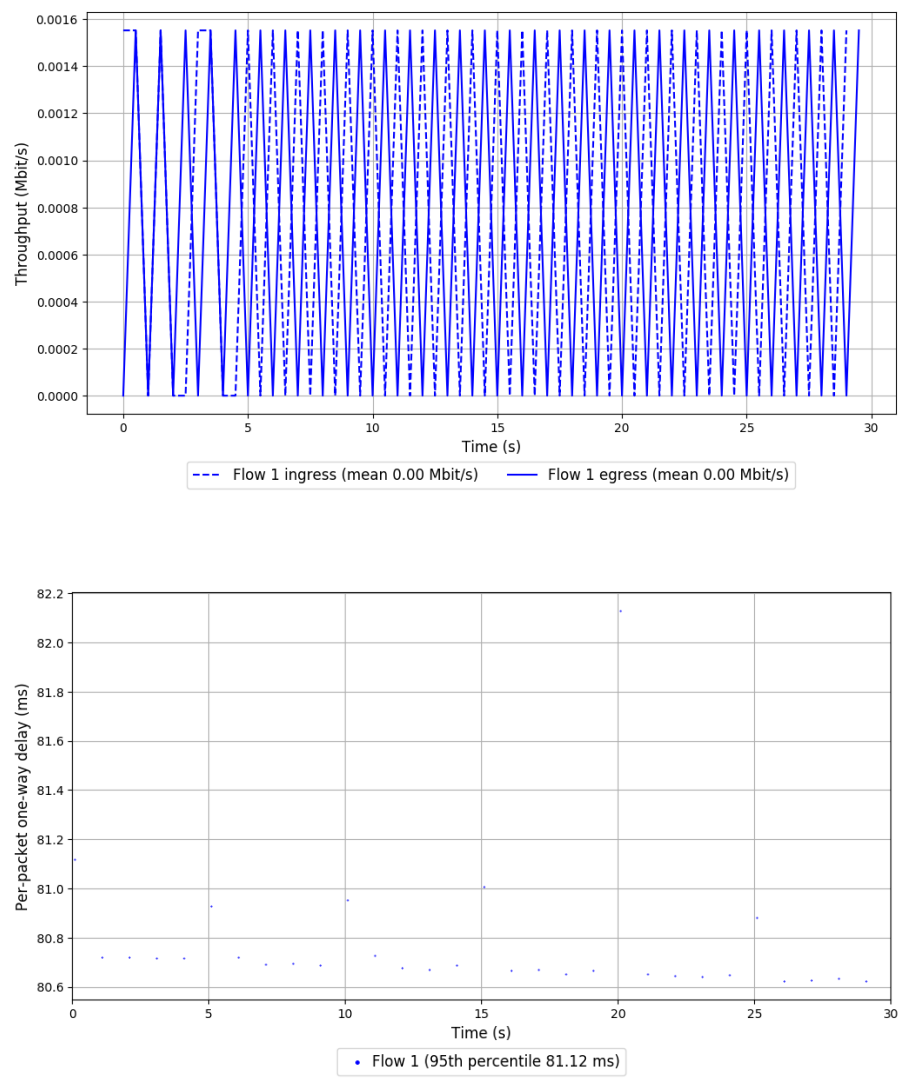


Run 3: Statistics of Verus

Start at: 2018-05-22 10:42:18
End at: 2018-05-22 10:42:48
Local clock offset: -6.686 ms
Remote clock offset: 10.981 ms

Below is generated by plot.py at 2018-05-22 13:06:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.118 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.118 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-05-22 11:00:40

End at: 2018-05-22 11:01:10

Local clock offset: -5.994 ms

Remote clock offset: 7.648 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 82.171 ms

Loss rate: 0.00%

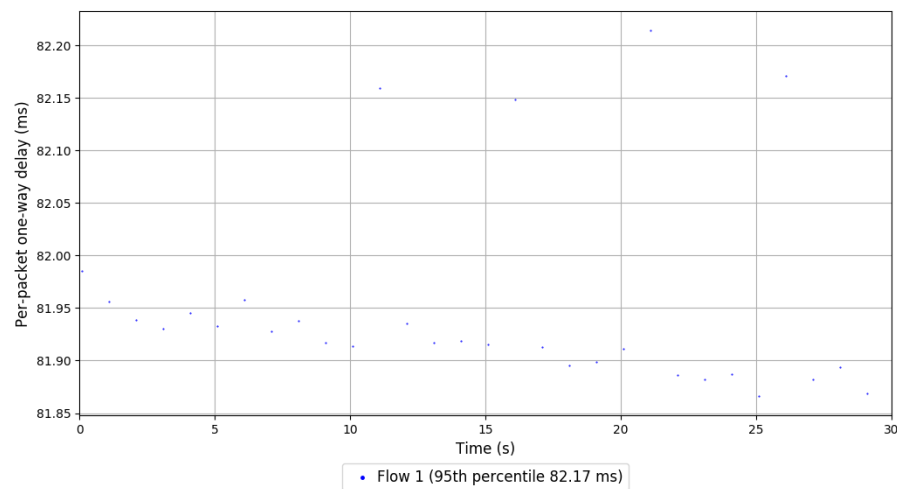
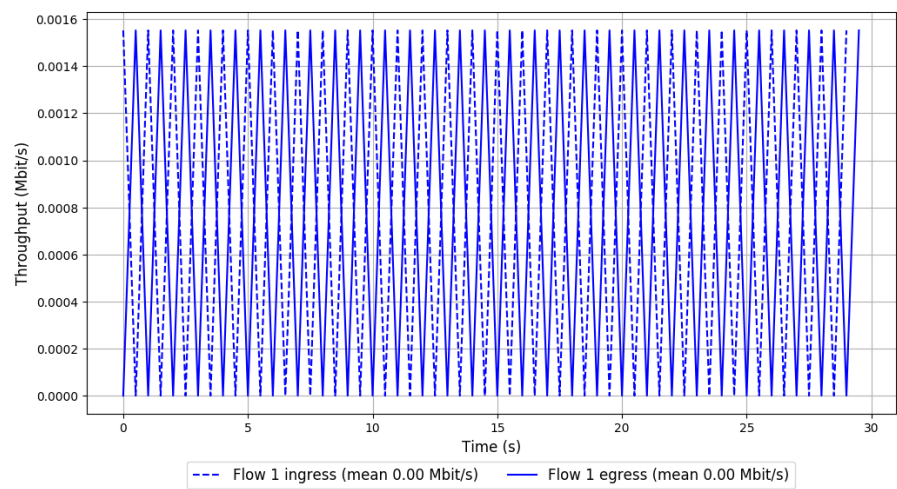
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 82.171 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-05-22 11:19:09

End at: 2018-05-22 11:19:39

Local clock offset: -7.239 ms

Remote clock offset: 6.836 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 85.521 ms

Loss rate: 0.00%

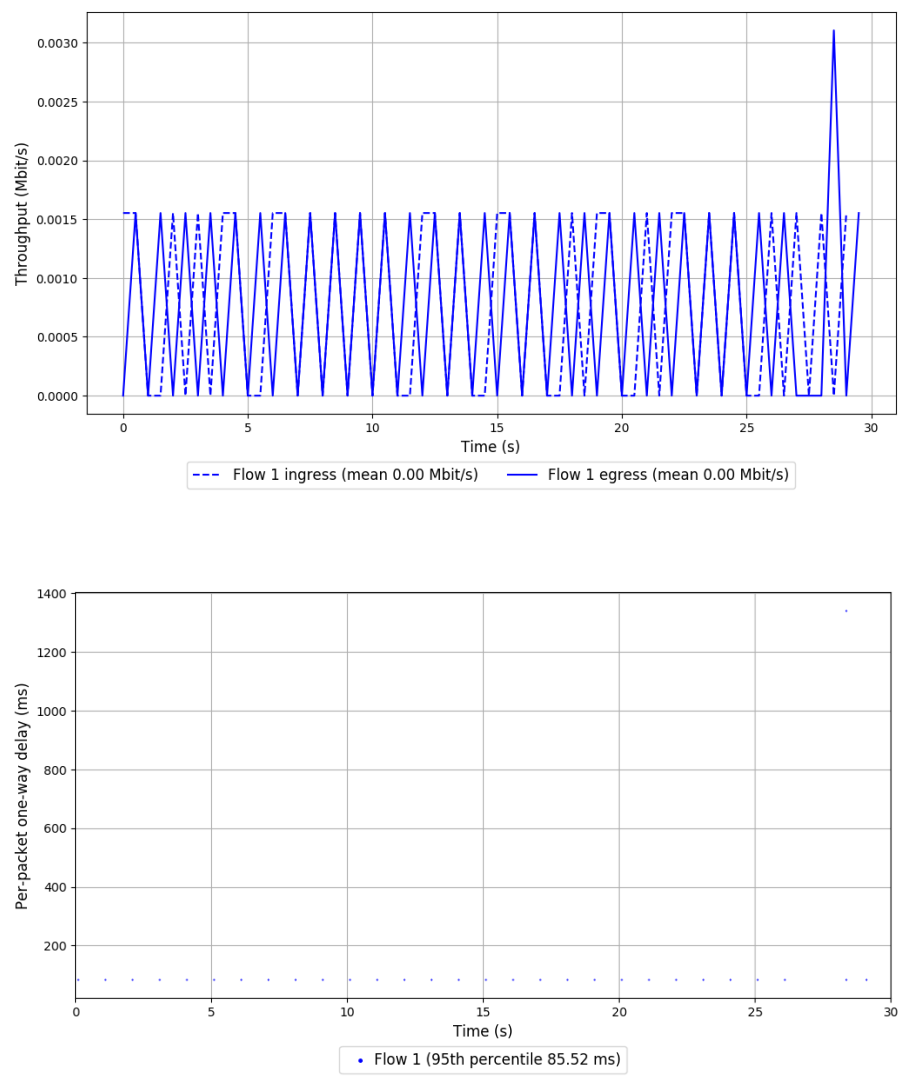
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 85.521 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-05-22 11:37:29

End at: 2018-05-22 11:37:59

Local clock offset: -7.038 ms

Remote clock offset: 10.19 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 84.071 ms

Loss rate: 0.00%

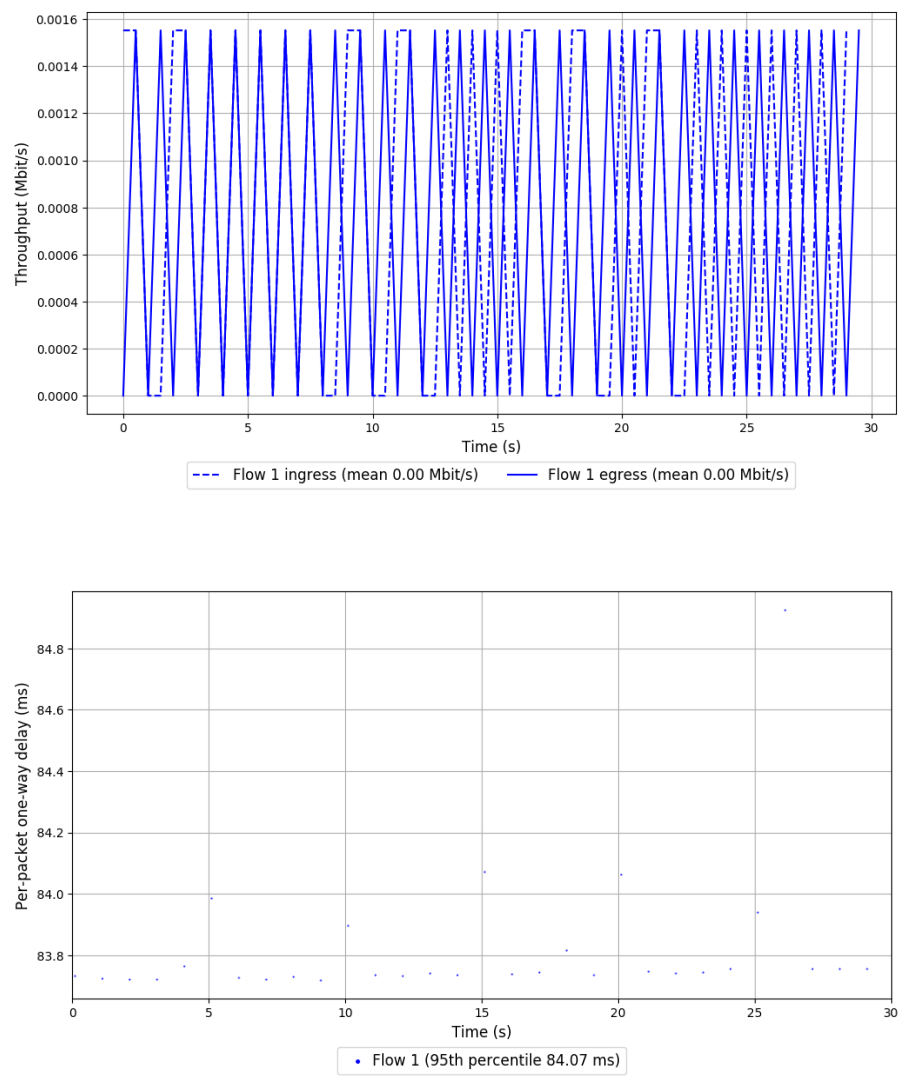
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 84.071 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link

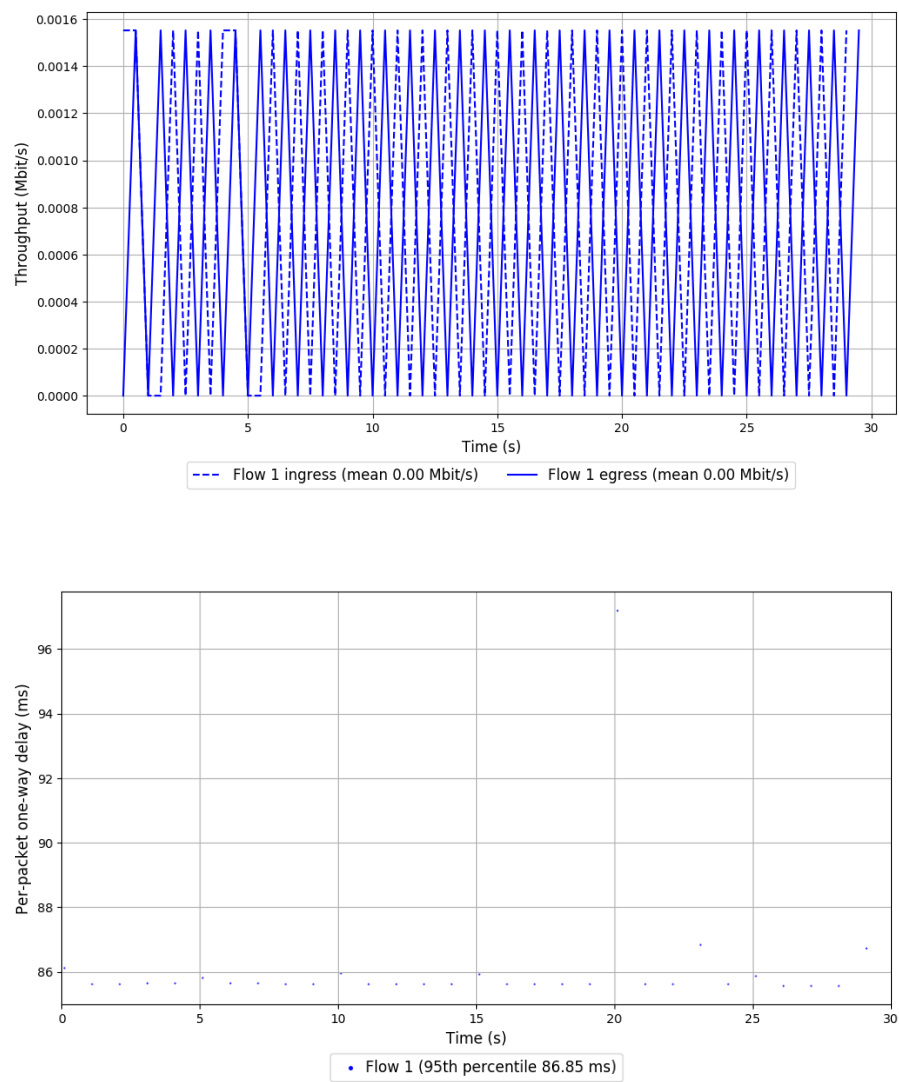


Run 7: Statistics of Verus

Start at: 2018-05-22 11:55:45
End at: 2018-05-22 11:56:15
Local clock offset: -7.241 ms
Remote clock offset: 9.827 ms

Below is generated by plot.py at 2018-05-22 13:06:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.851 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-05-22 12:14:03

End at: 2018-05-22 12:14:33

Local clock offset: -1.787 ms

Remote clock offset: 9.929 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.960 ms

Loss rate: 0.00%

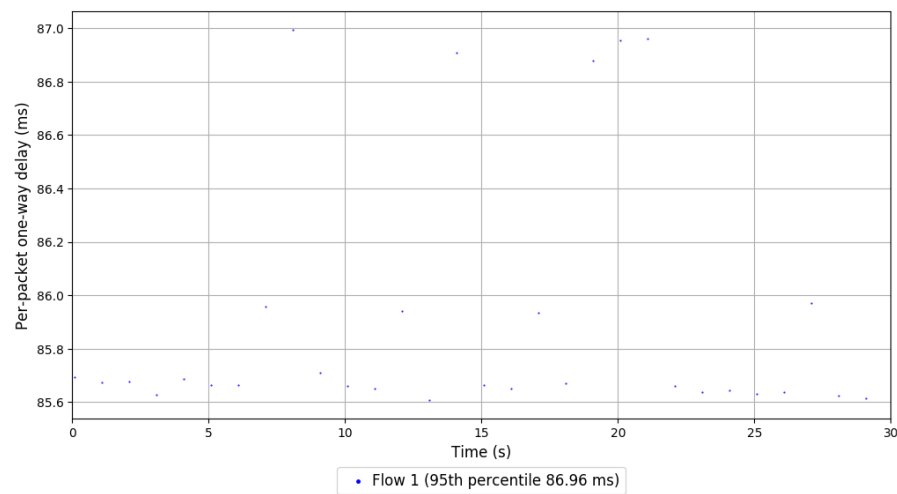
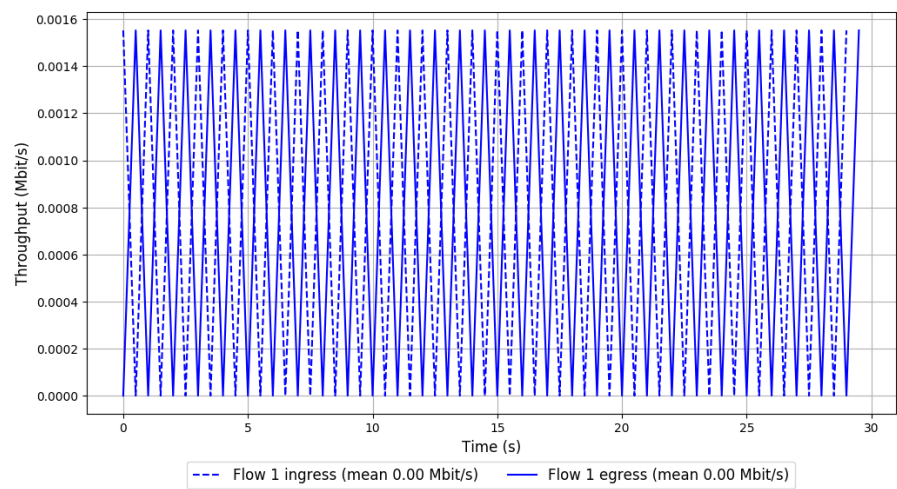
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.960 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link

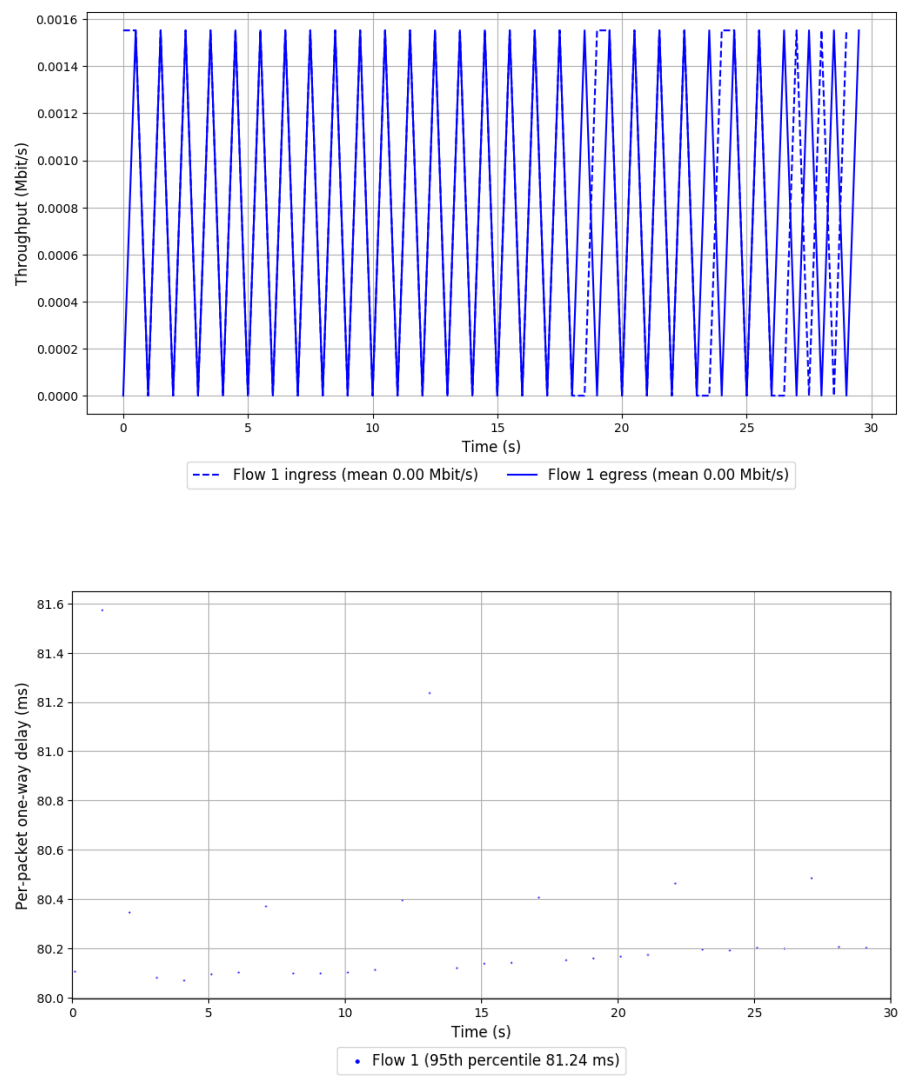


Run 9: Statistics of Verus

Start at: 2018-05-22 12:32:23
End at: 2018-05-22 12:32:53
Local clock offset: -4.47 ms
Remote clock offset: 13.144 ms

Below is generated by plot.py at 2018-05-22 13:06:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.239 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.239 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

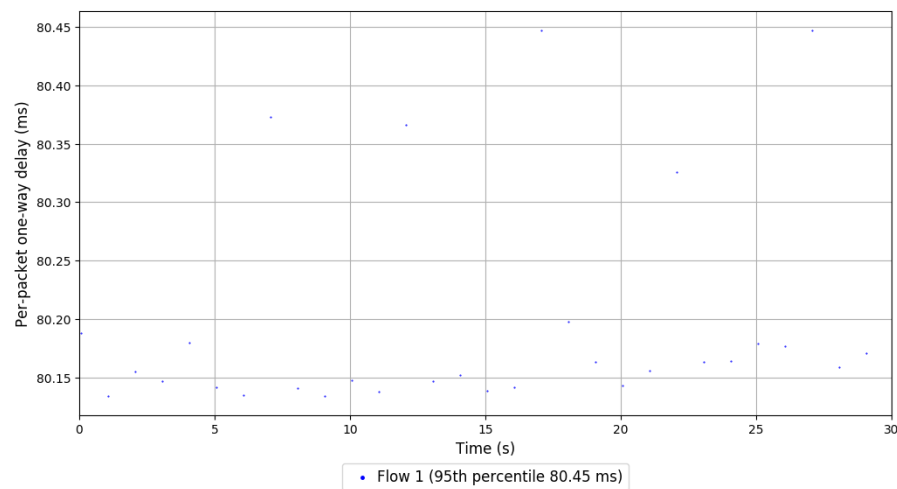
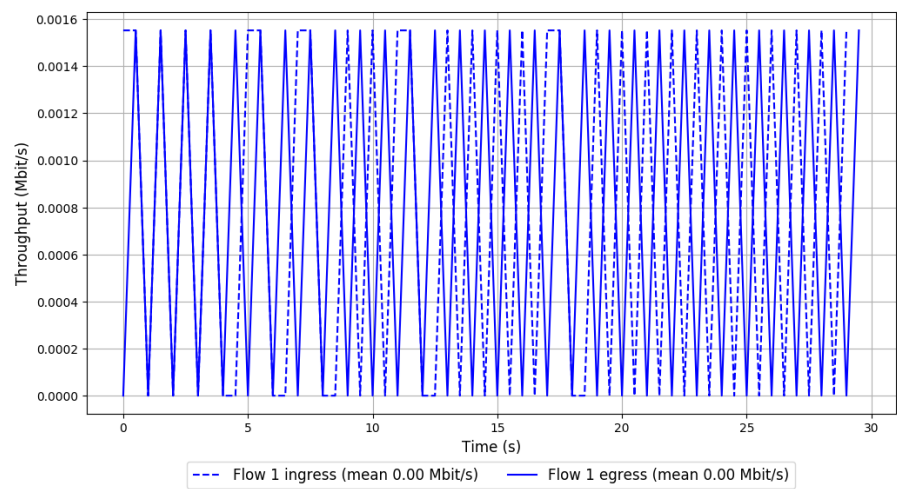


Run 10: Statistics of Verus

Start at: 2018-05-22 12:50:52
End at: 2018-05-22 12:51:22
Local clock offset: -7.134 ms
Remote clock offset: 13.327 ms

Below is generated by plot.py at 2018-05-22 13:06:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 80.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 80.447 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-22 09:55:24

End at: 2018-05-22 09:55:54

Local clock offset: -8.271 ms

Remote clock offset: 1.169 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.73 Mbit/s

95th percentile per-packet one-way delay: 103.625 ms

Loss rate: 0.85%

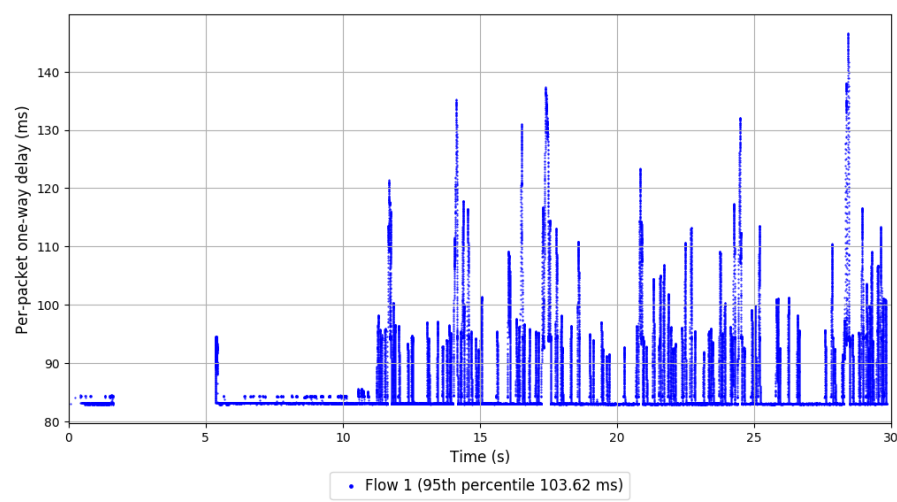
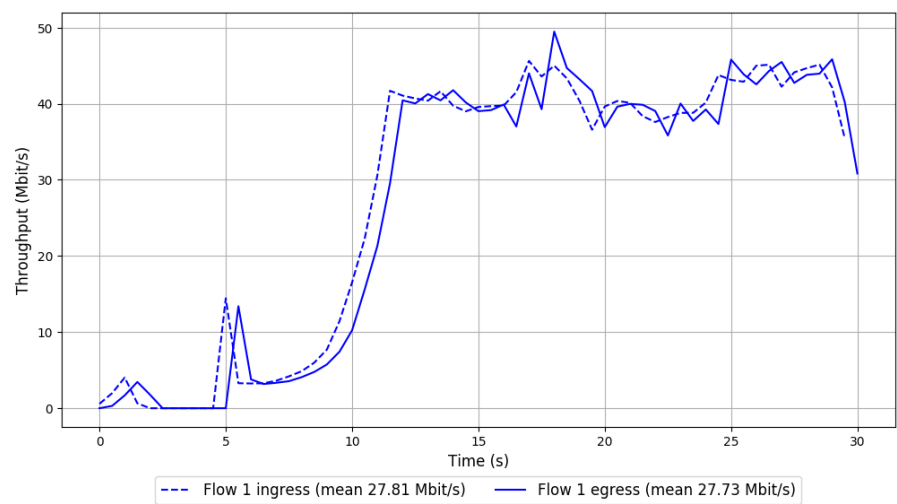
-- Flow 1:

Average throughput: 27.73 Mbit/s

95th percentile per-packet one-way delay: 103.625 ms

Loss rate: 0.85%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-22 10:13:39

End at: 2018-05-22 10:14:09

Local clock offset: -2.487 ms

Remote clock offset: 6.734 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.54 Mbit/s

95th percentile per-packet one-way delay: 97.966 ms

Loss rate: 0.55%

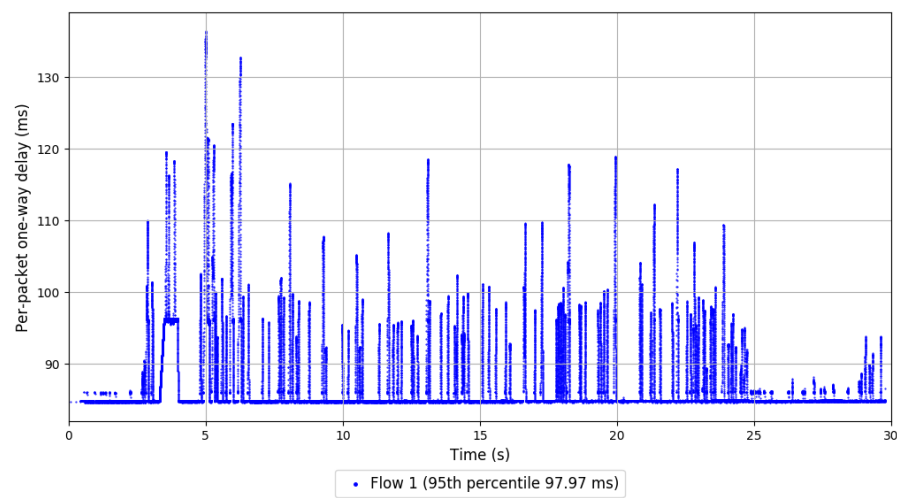
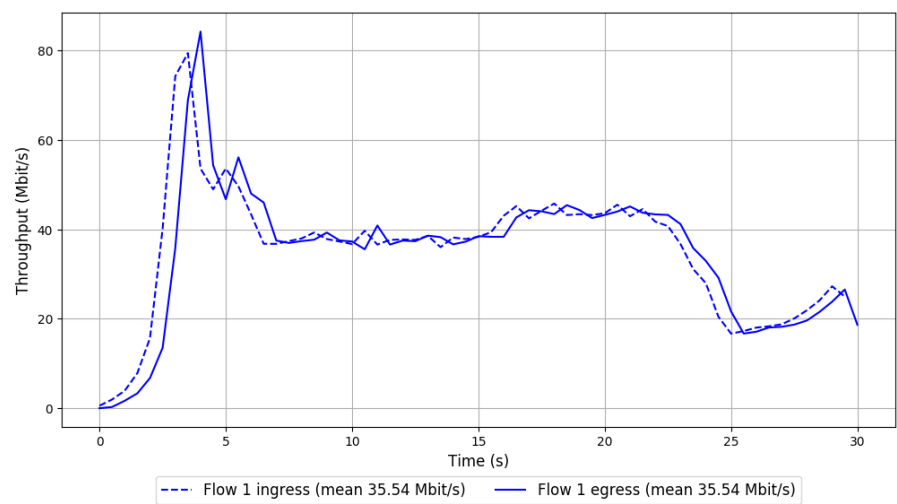
-- Flow 1:

Average throughput: 35.54 Mbit/s

95th percentile per-packet one-way delay: 97.966 ms

Loss rate: 0.55%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-22 10:31:56

End at: 2018-05-22 10:32:26

Local clock offset: -4.183 ms

Remote clock offset: 9.48 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.96 Mbit/s

95th percentile per-packet one-way delay: 99.930 ms

Loss rate: 0.57%

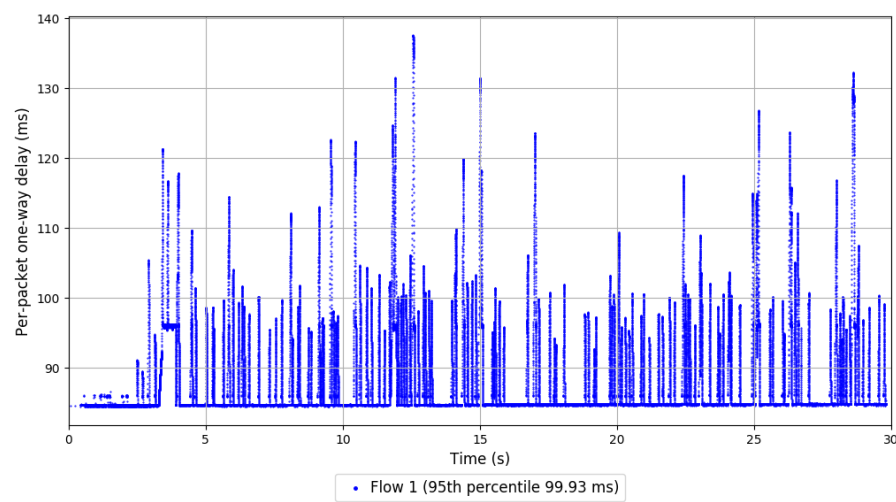
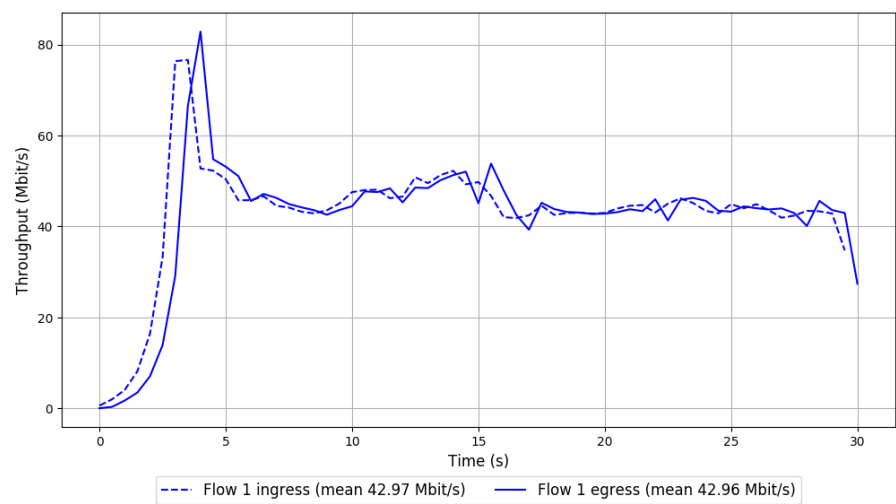
-- Flow 1:

Average throughput: 42.96 Mbit/s

95th percentile per-packet one-way delay: 99.930 ms

Loss rate: 0.57%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-22 10:50:15

End at: 2018-05-22 10:50:45

Local clock offset: -7.427 ms

Remote clock offset: 4.374 ms

Below is generated by plot.py at 2018-05-22 13:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.94 Mbit/s

95th percentile per-packet one-way delay: 95.017 ms

Loss rate: 0.49%

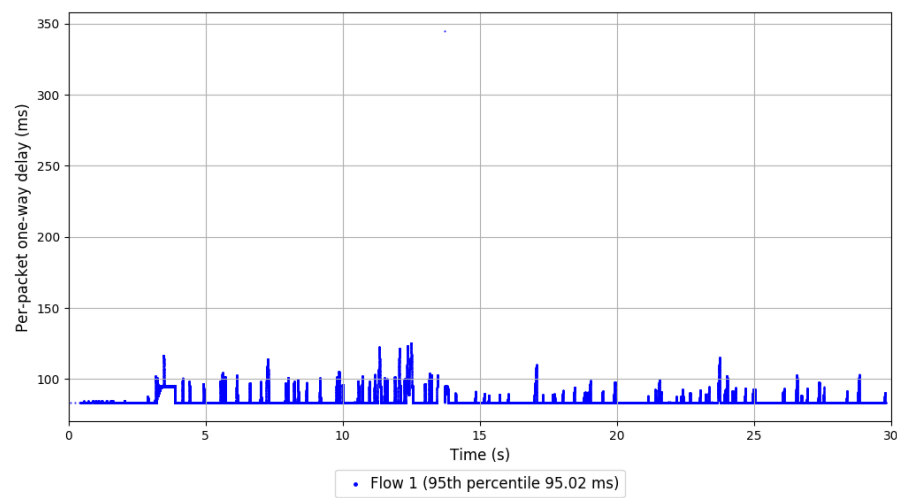
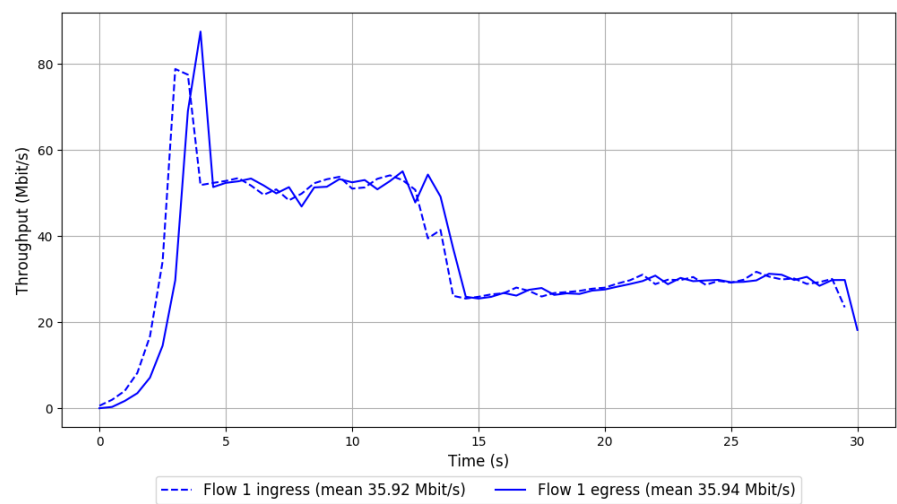
-- Flow 1:

Average throughput: 35.94 Mbit/s

95th percentile per-packet one-way delay: 95.017 ms

Loss rate: 0.49%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-22 11:08:38

End at: 2018-05-22 11:09:08

Local clock offset: -5.8 ms

Remote clock offset: 2.432 ms

Below is generated by plot.py at 2018-05-22 13:06:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.93 Mbit/s

95th percentile per-packet one-way delay: 92.170 ms

Loss rate: 0.63%

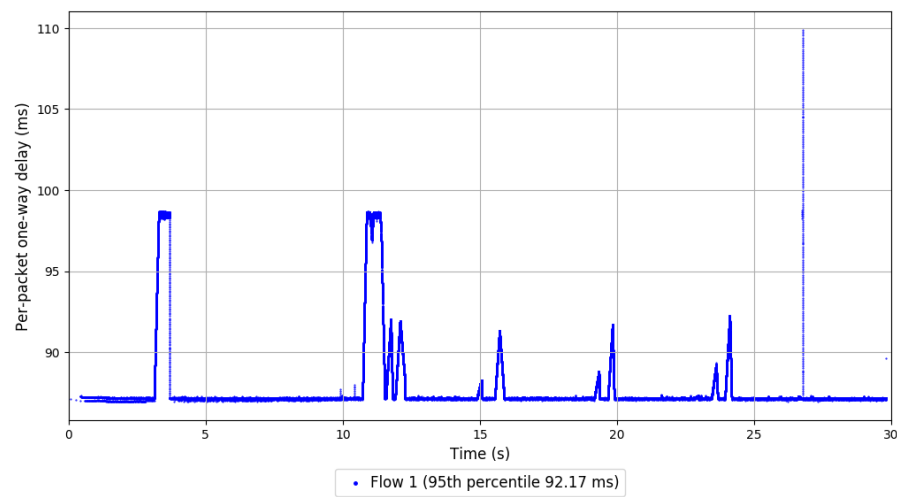
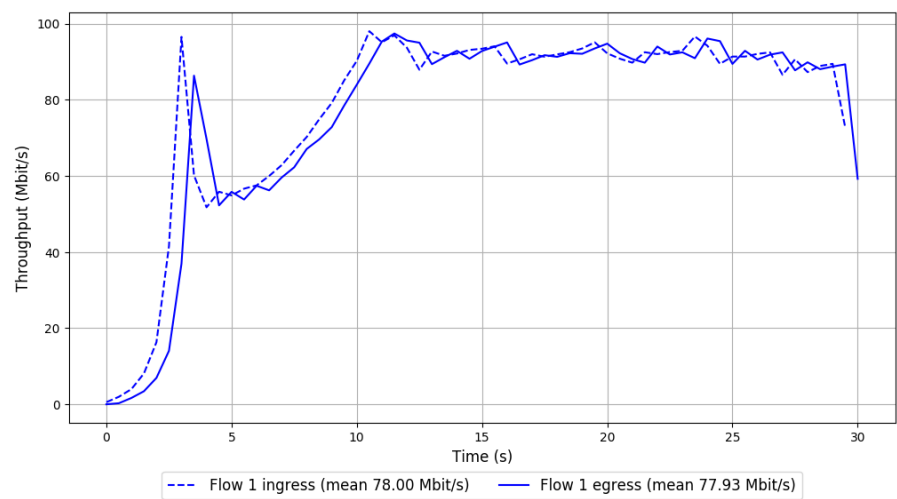
-- Flow 1:

Average throughput: 77.93 Mbit/s

95th percentile per-packet one-way delay: 92.170 ms

Loss rate: 0.63%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-22 11:27:06

End at: 2018-05-22 11:27:36

Local clock offset: -8.1 ms

Remote clock offset: 8.871 ms

Below is generated by plot.py at 2018-05-22 13:06:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.68 Mbit/s

95th percentile per-packet one-way delay: 94.411 ms

Loss rate: 0.61%

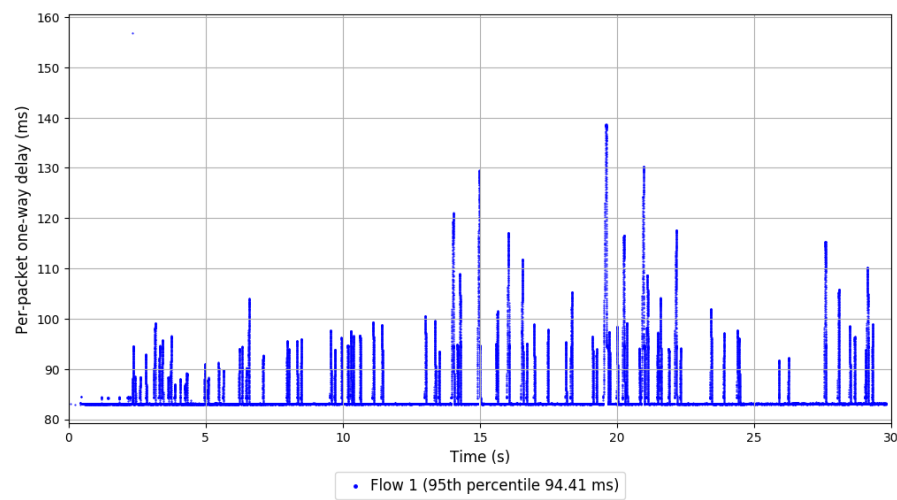
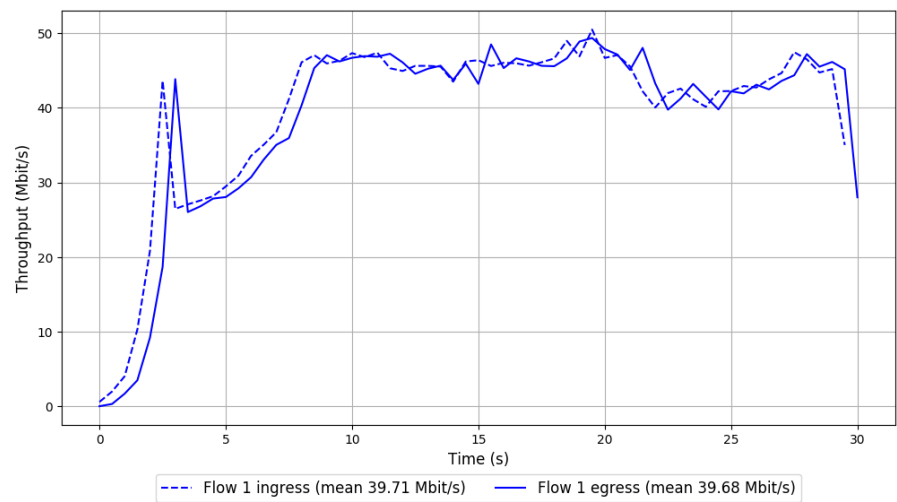
-- Flow 1:

Average throughput: 39.68 Mbit/s

95th percentile per-packet one-way delay: 94.411 ms

Loss rate: 0.61%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-22 11:45:25

End at: 2018-05-22 11:45:55

Local clock offset: -6.286 ms

Remote clock offset: 15.32 ms

Below is generated by plot.py at 2018-05-22 13:06:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.92 Mbit/s

95th percentile per-packet one-way delay: 93.651 ms

Loss rate: 0.63%

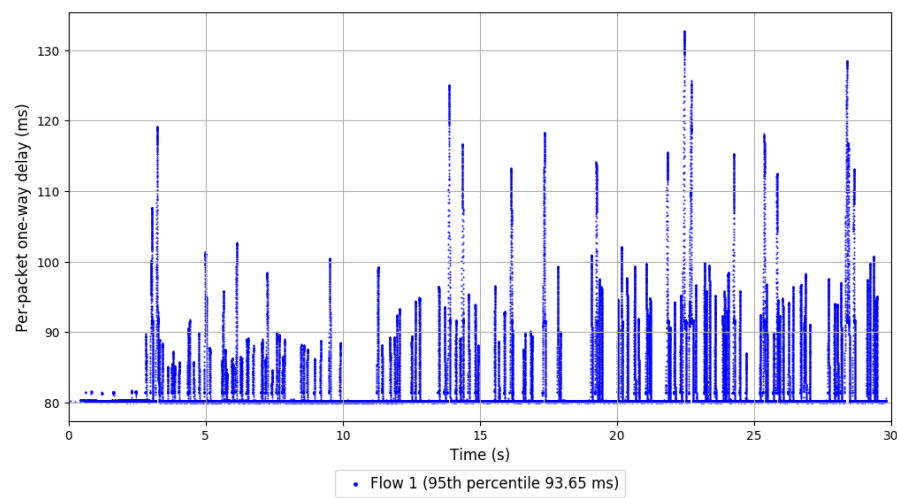
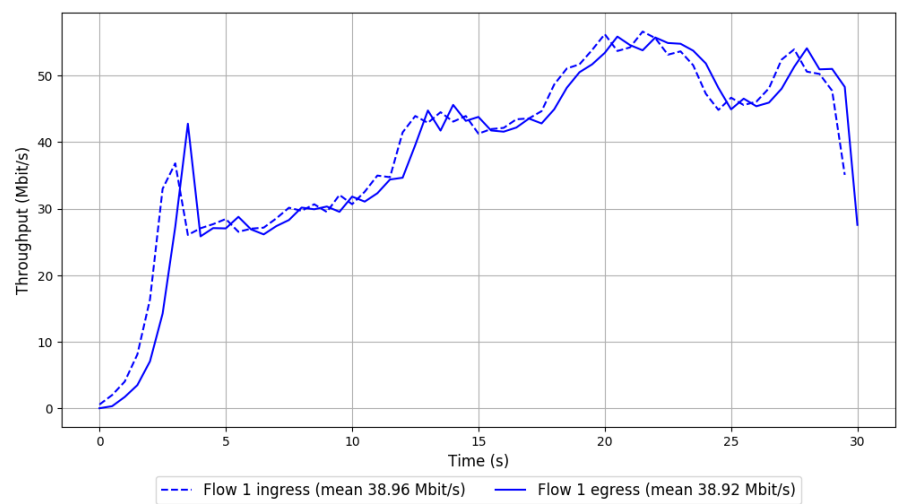
-- Flow 1:

Average throughput: 38.92 Mbit/s

95th percentile per-packet one-way delay: 93.651 ms

Loss rate: 0.63%

Run 7: Report of PCC-Vivace — Data Link

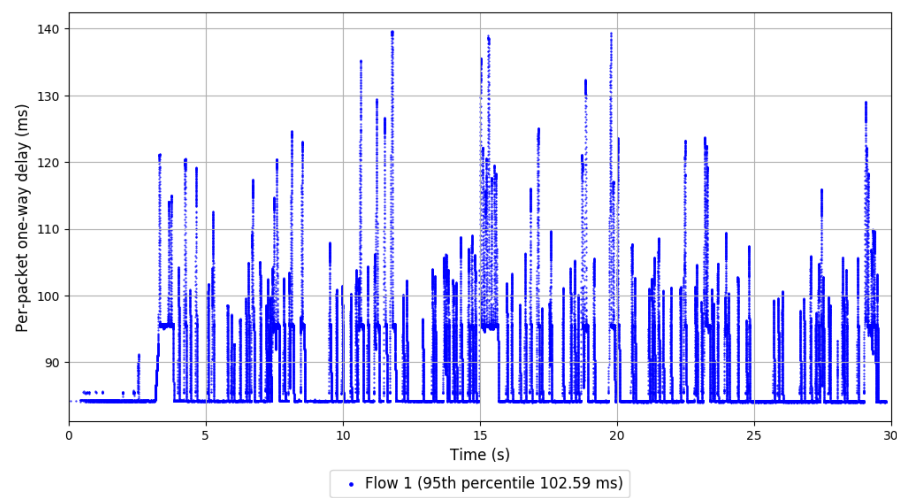
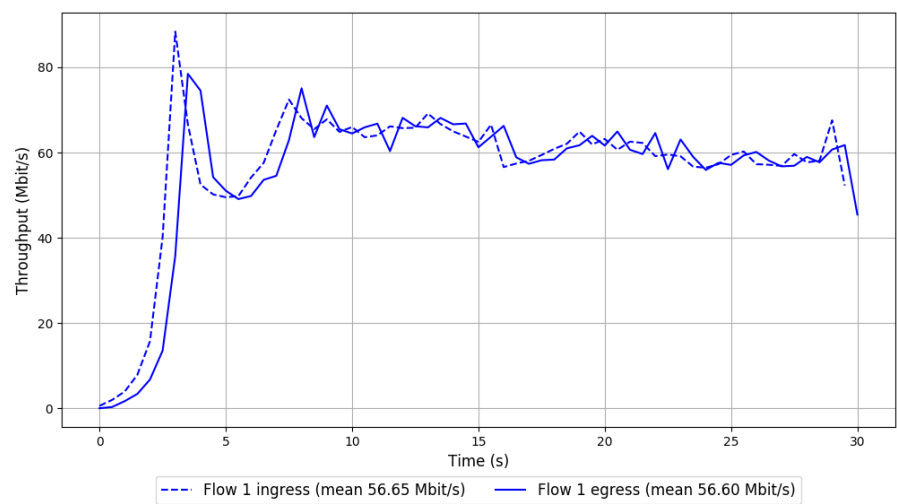


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-22 12:03:42
End at: 2018-05-22 12:04:12
Local clock offset: -4.655 ms
Remote clock offset: 10.579 ms

Below is generated by plot.py at 2018-05-22 13:06:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 102.590 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 102.590 ms
Loss rate: 0.63%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-22 12:22:00

End at: 2018-05-22 12:22:30

Local clock offset: -1.622 ms

Remote clock offset: 9.617 ms

Below is generated by plot.py at 2018-05-22 13:06:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.61 Mbit/s

95th percentile per-packet one-way delay: 97.099 ms

Loss rate: 0.60%

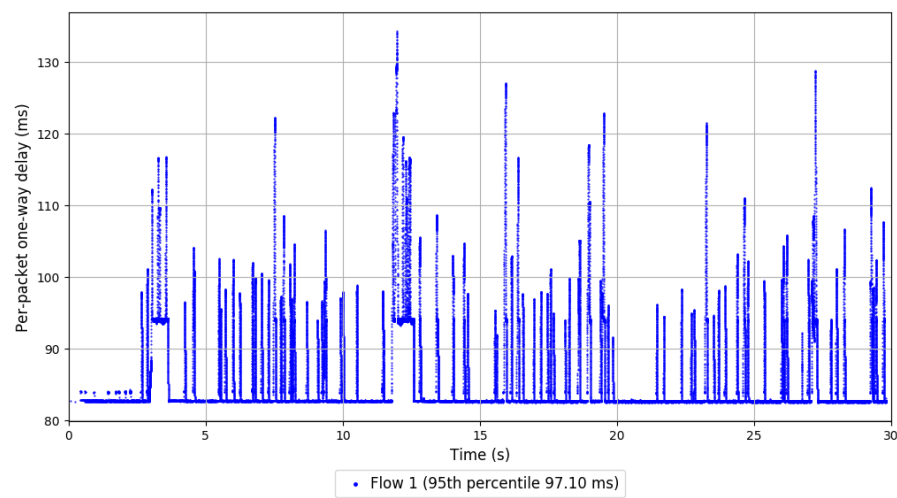
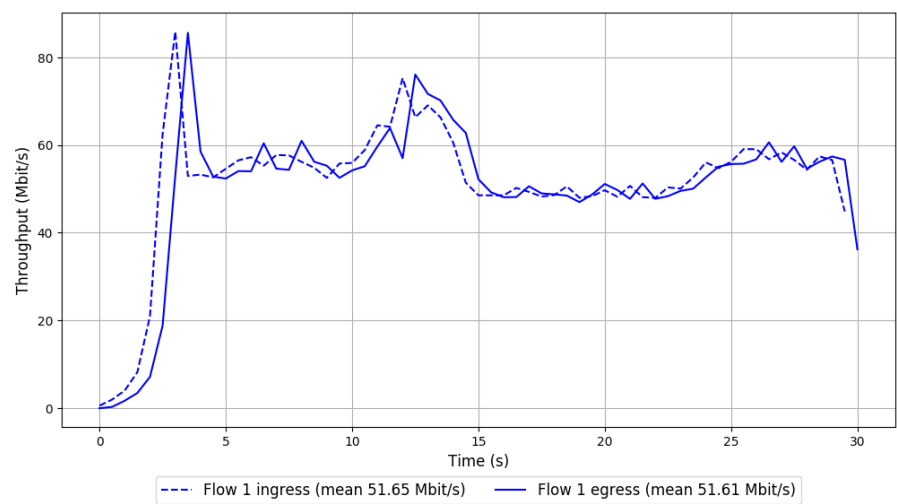
-- Flow 1:

Average throughput: 51.61 Mbit/s

95th percentile per-packet one-way delay: 97.099 ms

Loss rate: 0.60%

Run 9: Report of PCC-Vivace — Data Link

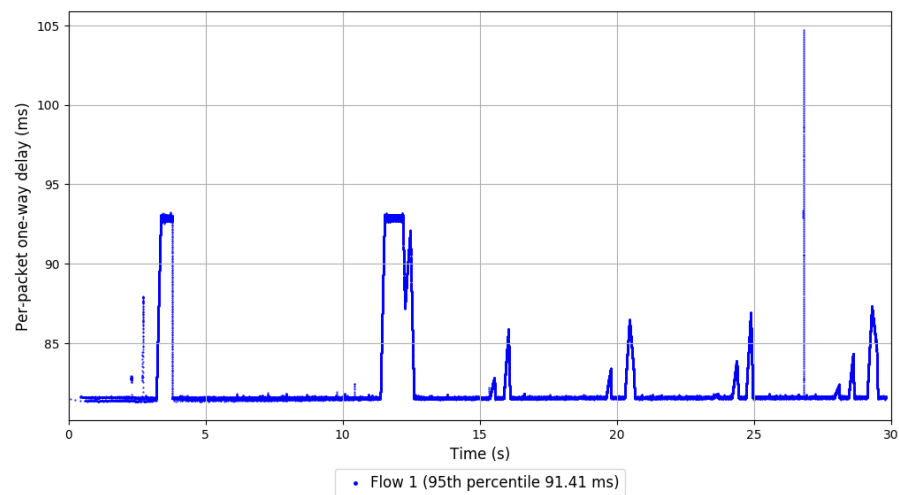
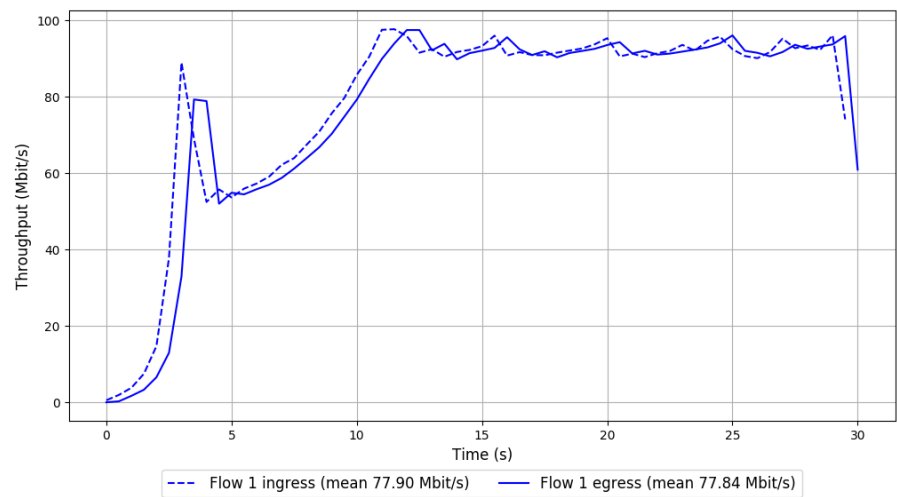


Run 10: Statistics of PCC-Vivace

Start at: 2018-05-22 12:40:21
End at: 2018-05-22 12:40:51
Local clock offset: -5.162 ms
Remote clock offset: 12.867 ms

Below is generated by plot.py at 2018-05-22 13:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.84 Mbit/s
95th percentile per-packet one-way delay: 91.411 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 77.84 Mbit/s
95th percentile per-packet one-way delay: 91.411 ms
Loss rate: 0.62%

Run 10: Report of PCC-Vivace — Data Link

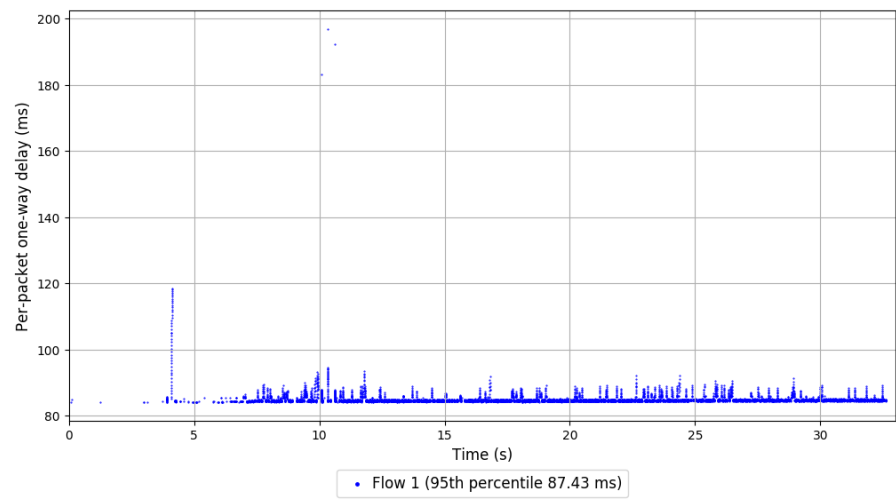
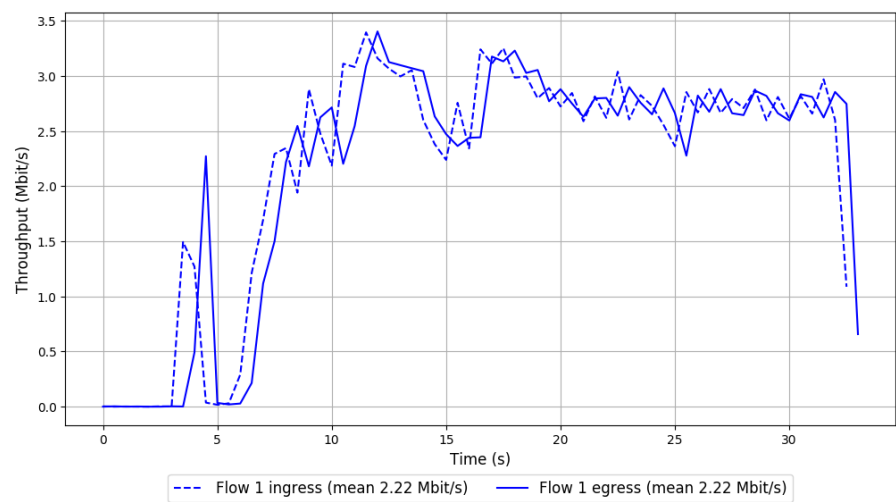


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-22 10:04:36
End at: 2018-05-22 10:05:06
Local clock offset: -4.343 ms
Remote clock offset: 0.907 ms

# Below is generated by plot.py at 2018-05-22 13:07:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 87.432 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 87.432 ms
Loss rate: 0.60%
```

Run 1: Report of WebRTC media — Data Link

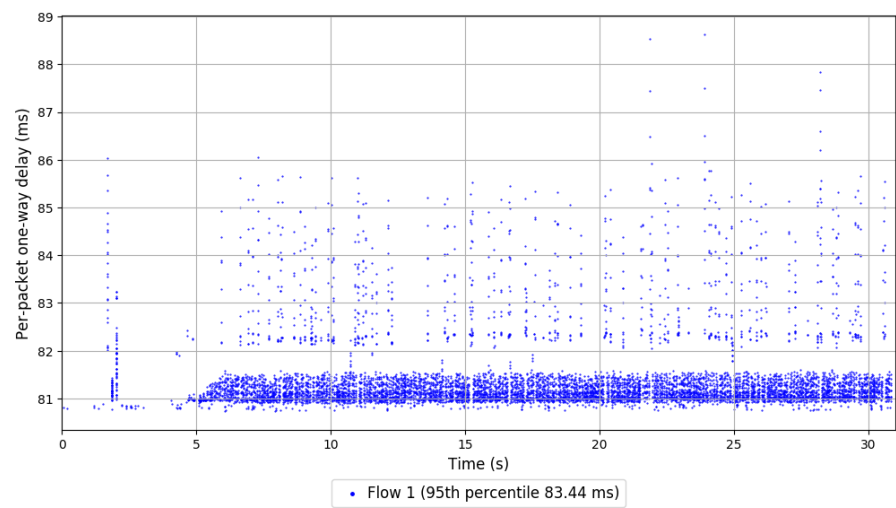
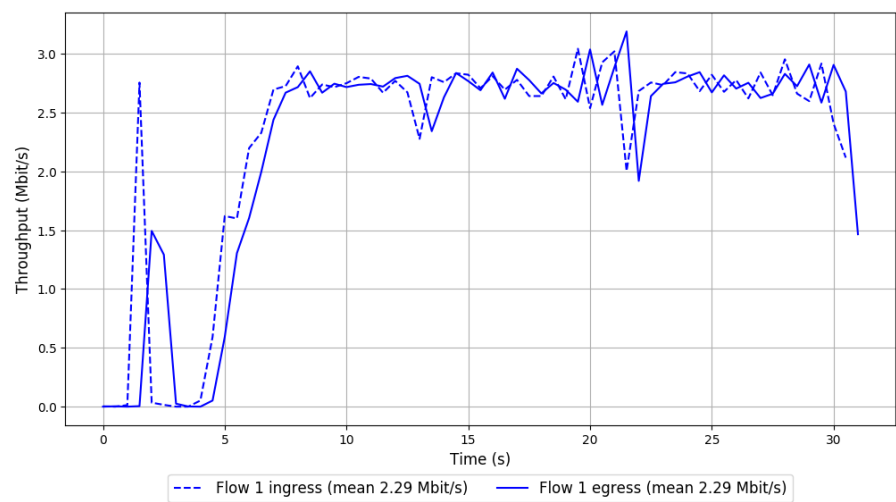


Run 2: Statistics of WebRTC media

Start at: 2018-05-22 10:22:53
End at: 2018-05-22 10:23:23
Local clock offset: -1.686 ms
Remote clock offset: 12.492 ms

Below is generated by plot.py at 2018-05-22 13:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 83.440 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 83.440 ms
Loss rate: 0.58%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-05-22 10:41:11

End at: 2018-05-22 10:41:41

Local clock offset: -6.543 ms

Remote clock offset: 7.671 ms

Below is generated by plot.py at 2018-05-22 13:07:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 87.284 ms

Loss rate: 0.61%

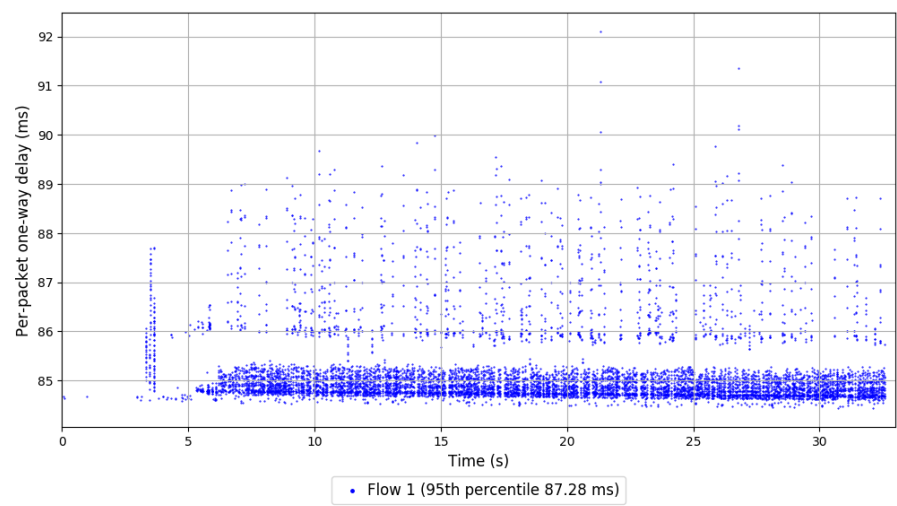
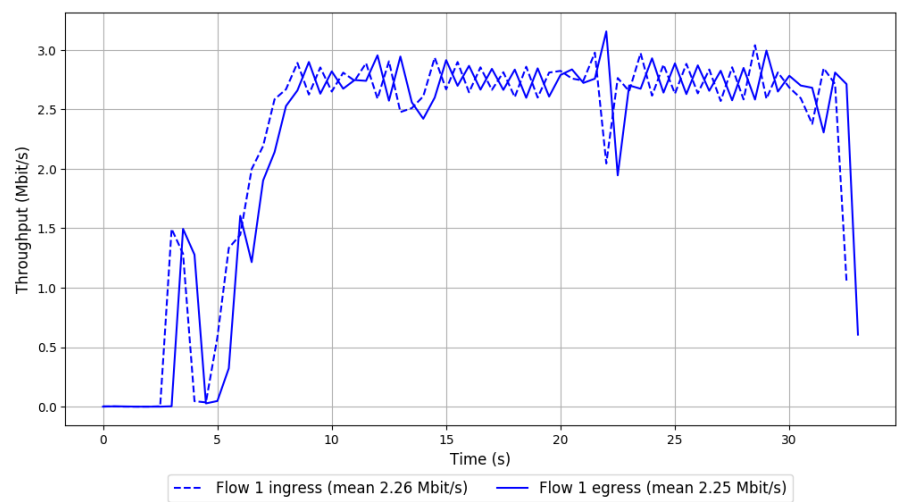
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 87.284 ms

Loss rate: 0.61%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-22 10:59:33

End at: 2018-05-22 11:00:03

Local clock offset: -7.569 ms

Remote clock offset: 3.931 ms

Below is generated by plot.py at 2018-05-22 13:07:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 85.036 ms

Loss rate: 0.63%

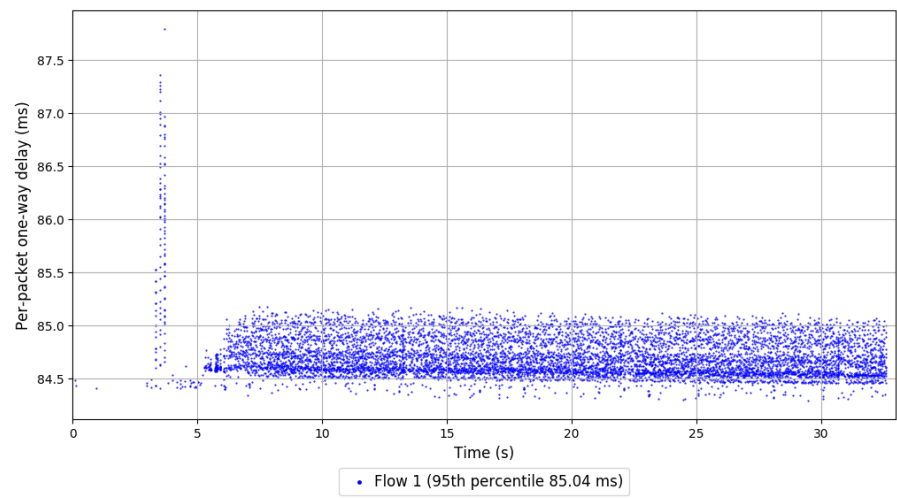
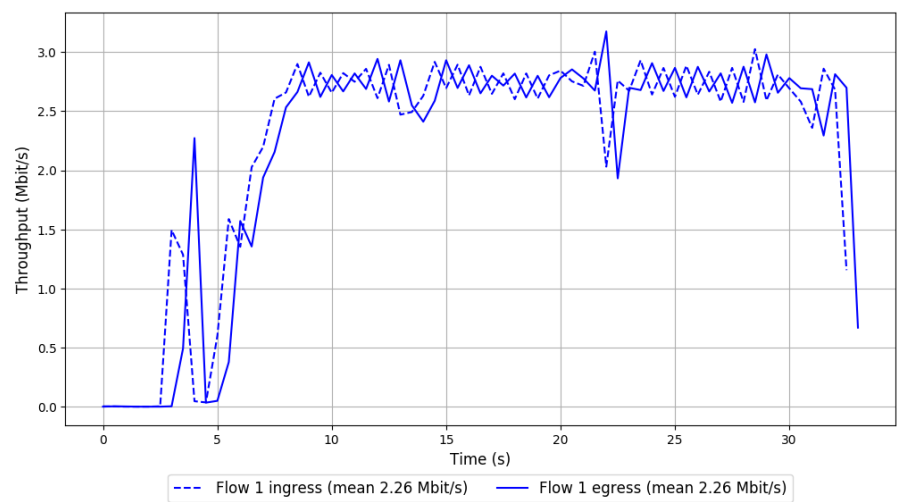
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 85.036 ms

Loss rate: 0.63%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-22 11:18:02

End at: 2018-05-22 11:18:32

Local clock offset: 13.743 ms

Remote clock offset: 7.177 ms

Below is generated by plot.py at 2018-05-22 13:07:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 104.817 ms

Loss rate: 0.62%

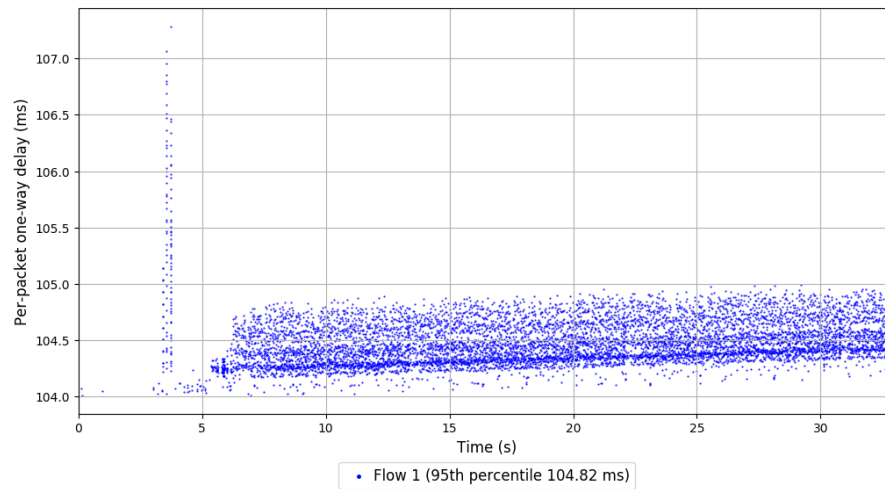
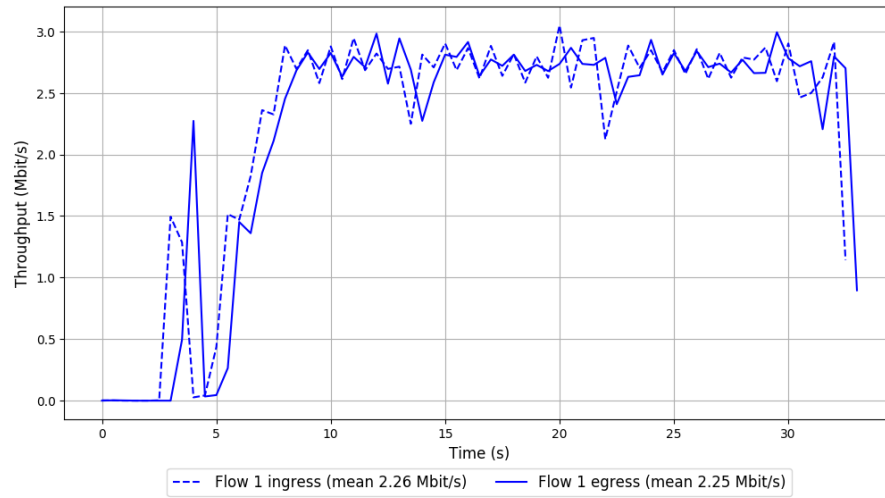
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 104.817 ms

Loss rate: 0.62%

Run 5: Report of WebRTC media — Data Link

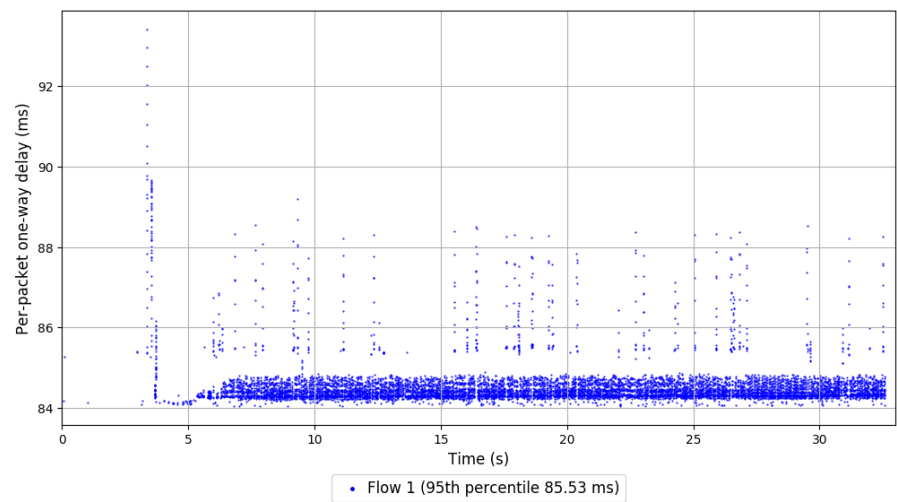
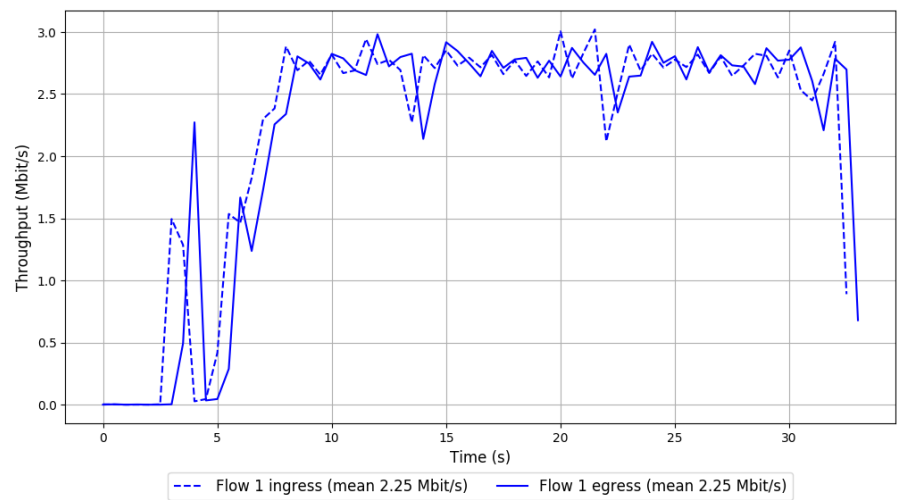


Run 6: Statistics of WebRTC media

Start at: 2018-05-22 11:36:22
End at: 2018-05-22 11:36:52
Local clock offset: -7.049 ms
Remote clock offset: 10.097 ms

Below is generated by plot.py at 2018-05-22 13:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 85.535 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 85.535 ms
Loss rate: 0.60%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-22 11:54:38

End at: 2018-05-22 11:55:08

Local clock offset: -7.909 ms

Remote clock offset: 9.969 ms

Below is generated by plot.py at 2018-05-22 13:07:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 87.807 ms

Loss rate: 0.61%

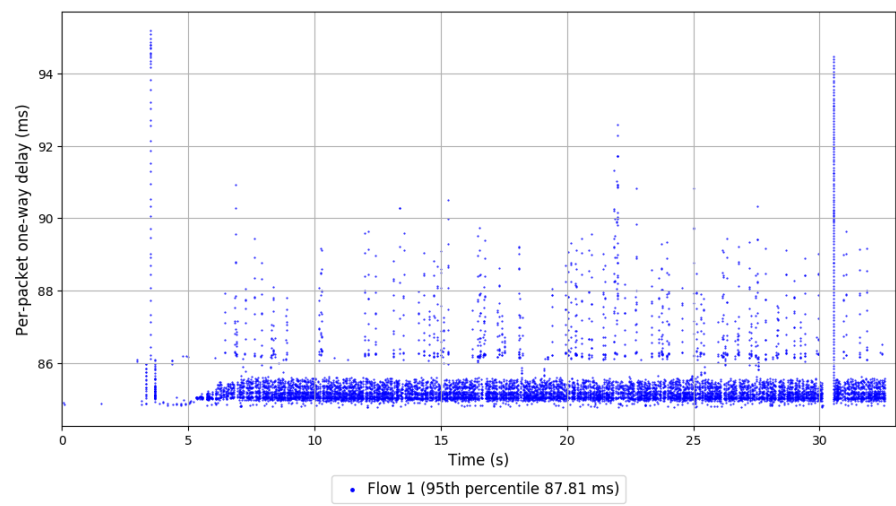
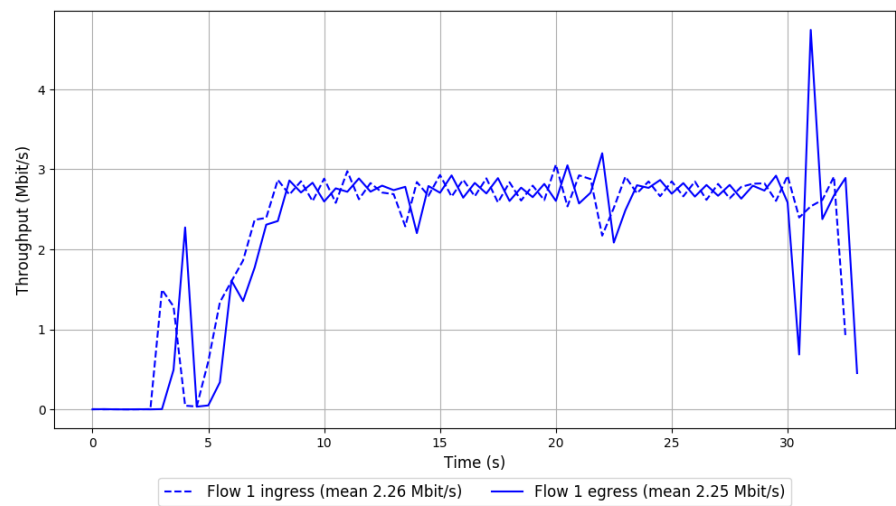
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 87.807 ms

Loss rate: 0.61%

Run 7: Report of WebRTC media — Data Link

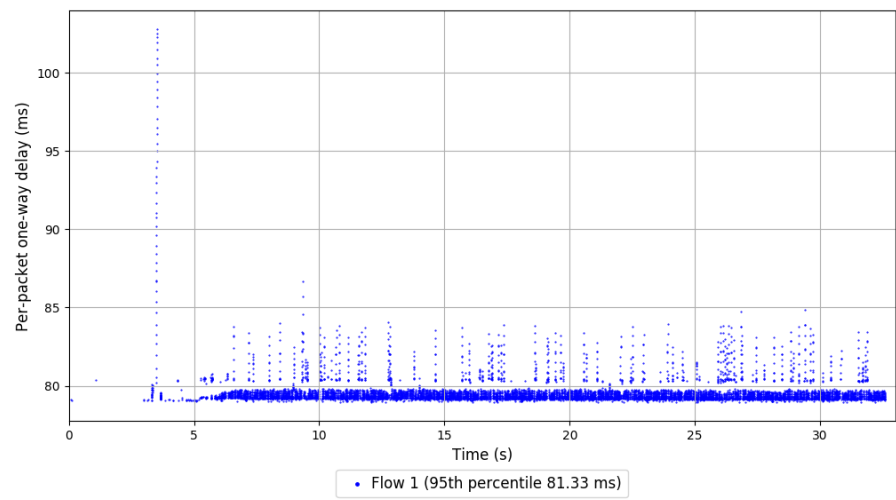
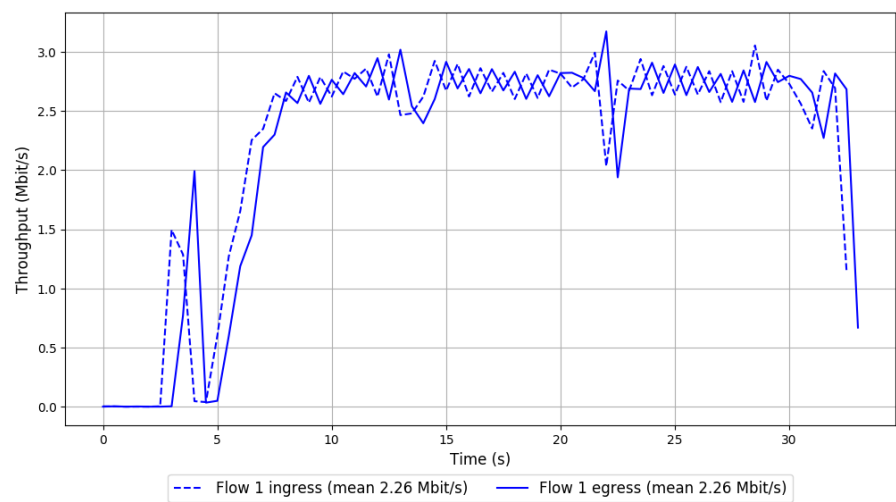


Run 8: Statistics of WebRTC media

Start at: 2018-05-22 12:12:57
End at: 2018-05-22 12:13:27
Local clock offset: -2.639 ms
Remote clock offset: 14.272 ms

Below is generated by plot.py at 2018-05-22 13:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 81.332 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 81.332 ms
Loss rate: 0.63%

Run 8: Report of WebRTC media — Data Link

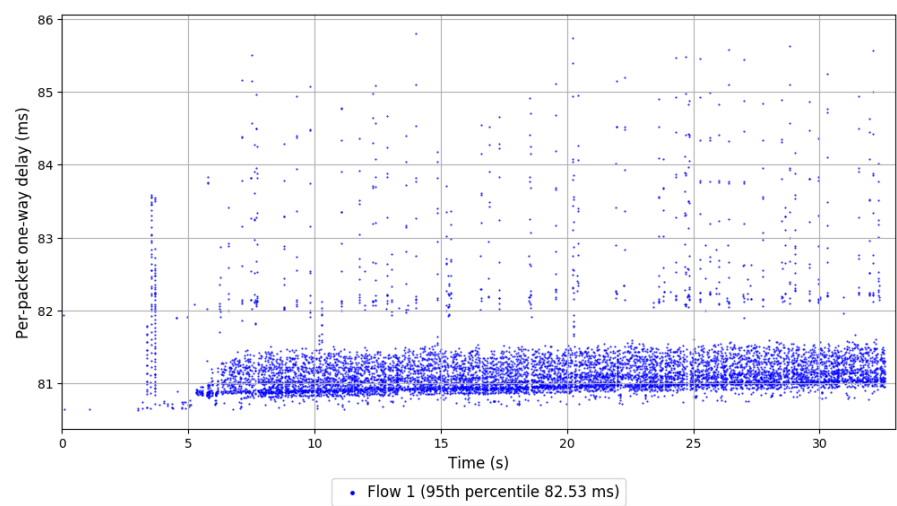
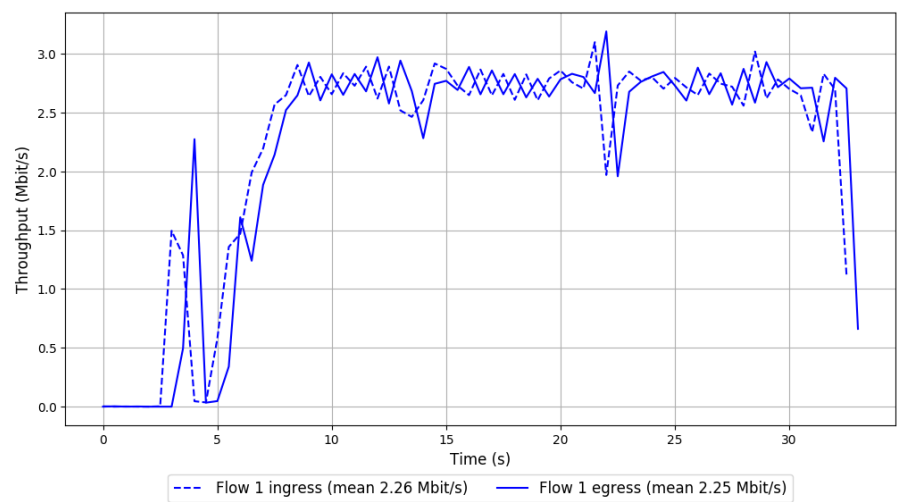


Run 9: Statistics of WebRTC media

Start at: 2018-05-22 12:31:17
End at: 2018-05-22 12:31:47
Local clock offset: -3.39 ms
Remote clock offset: 13.237 ms

Below is generated by plot.py at 2018-05-22 13:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 82.533 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 82.533 ms
Loss rate: 0.61%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-22 12:49:45

End at: 2018-05-22 12:50:15

Local clock offset: -7.048 ms

Remote clock offset: 7.894 ms

Below is generated by plot.py at 2018-05-22 13:07:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 84.811 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 84.811 ms

Loss rate: 0.70%

Run 10: Report of WebRTC media — Data Link

