

Pantheon Report

Generated at 2018-05-24 03:17:15 (UTC).

Data path: AWS Korea Ethernet (*local*) → China ppp0 ppp0 (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

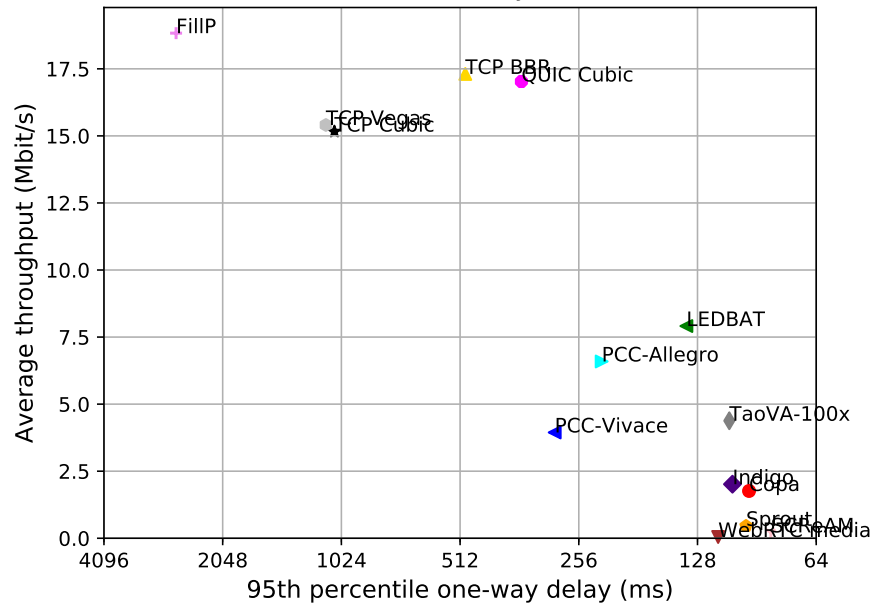
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

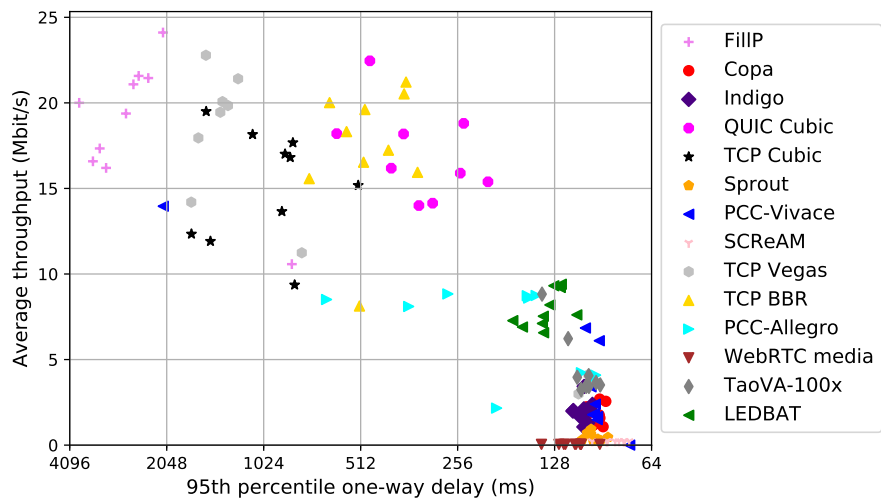
Git summary:

```
branch: master @ 0088822873ea99180f63545a341ef069f40efe59
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 AWS Korea to China ppp0, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS Korea to China ppp0, 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	17.31	496.62	0.69
Copa	10	1.76	94.74	0.05
TCP Cubic	10	15.16	1066.56	2.20
FillP	10	18.83	2688.28	42.35
Indigo	10	2.01	104.37	0.09
LEDBAT	10	7.91	136.61	0.22
PCC-Allegro	10	6.59	223.97	0.11
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	9	17.03	357.92	0.85
SCReAM	10	0.22	83.42	0.00
Sprout	10	0.46	96.42	0.02
TaoVA-100x	10	4.38	106.31	0.06
TCP Vegas	10	15.40	1121.05	2.76
Verus	0	N/A	N/A	N/A
PCC-Vivace	10	3.94	294.74	0.06
WebRTC media	10	0.05	113.47	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-23 23:59:49

End at: 2018-05-24 00:00:19

Local clock offset: 3.905 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2018-05-24 03:14:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.53 Mbit/s

95th percentile per-packet one-way delay: 501.532 ms

Loss rate: 0.27%

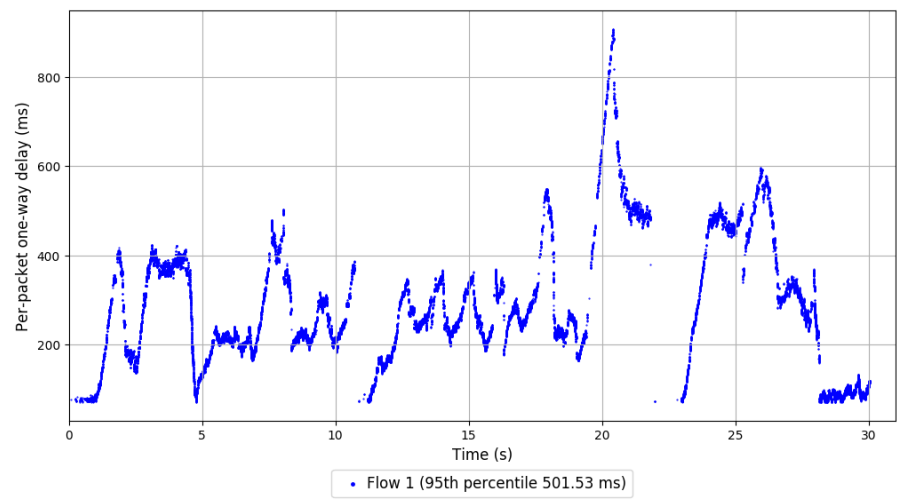
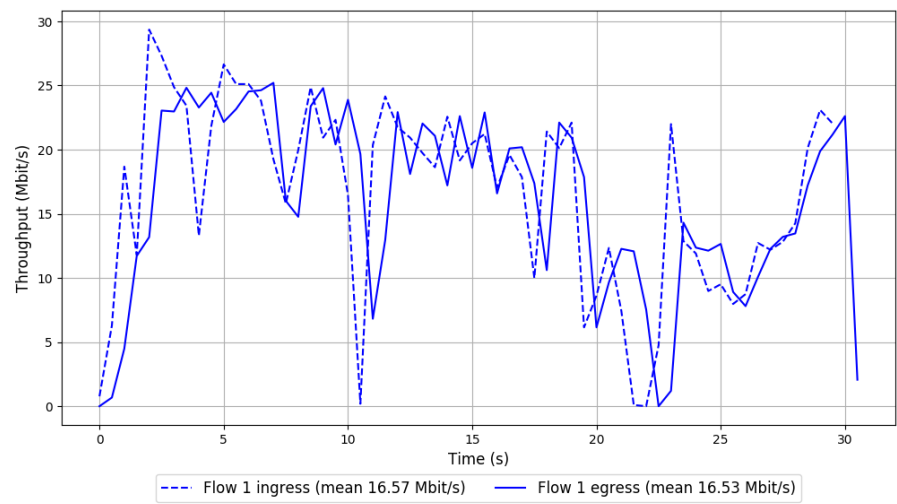
-- Flow 1:

Average throughput: 16.53 Mbit/s

95th percentile per-packet one-way delay: 501.532 ms

Loss rate: 0.27%

Run 1: Report of TCP BBR — Data Link

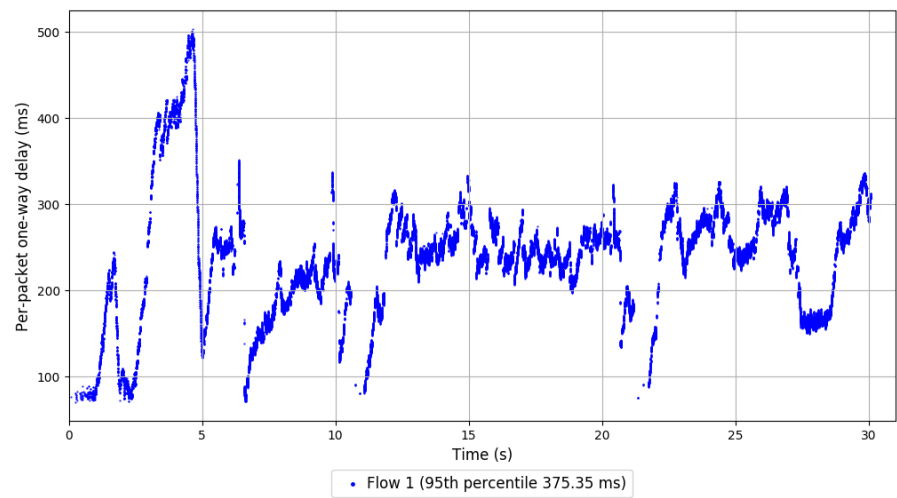
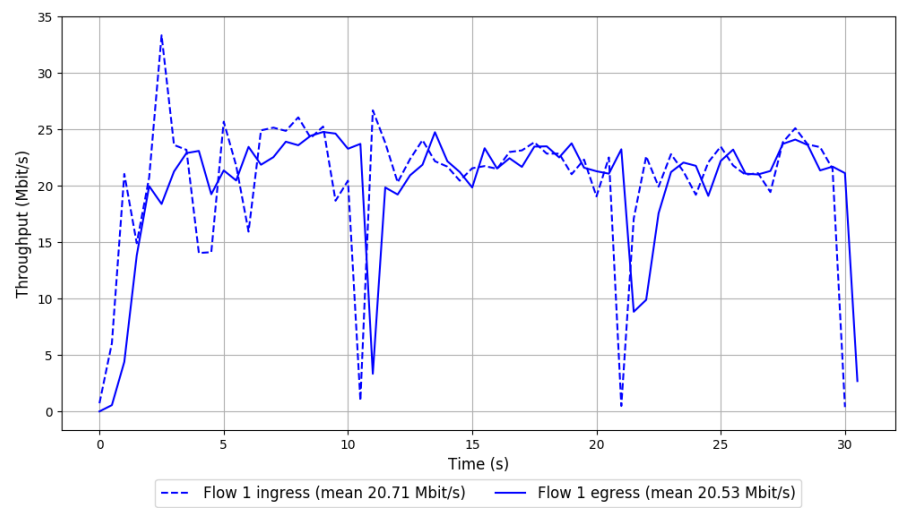


Run 2: Statistics of TCP BBR

Start at: 2018-05-24 00:19:59
End at: 2018-05-24 00:20:29
Local clock offset: -3.839 ms
Remote clock offset: -1.283 ms

Below is generated by plot.py at 2018-05-24 03:14:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.53 Mbit/s
95th percentile per-packet one-way delay: 375.348 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 20.53 Mbit/s
95th percentile per-packet one-way delay: 375.348 ms
Loss rate: 0.89%

Run 2: Report of TCP BBR — Data Link

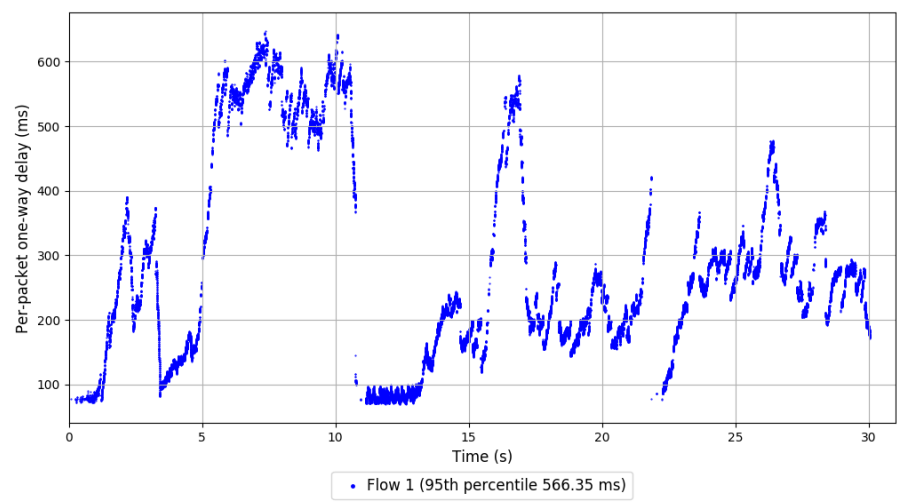
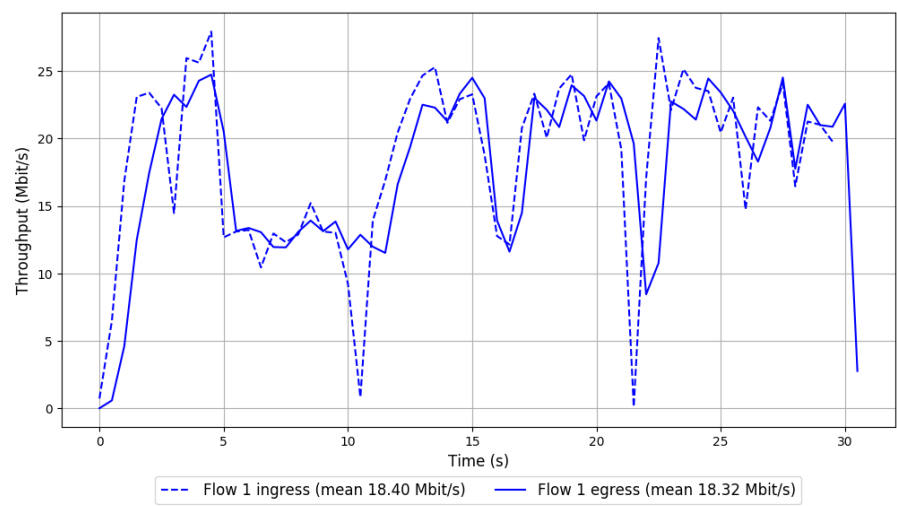


Run 3: Statistics of TCP BBR

Start at: 2018-05-24 00:40:10
End at: 2018-05-24 00:40:40
Local clock offset: 1.349 ms
Remote clock offset: -0.627 ms

Below is generated by plot.py at 2018-05-24 03:14:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 566.347 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 566.347 ms
Loss rate: 0.48%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-24 01:00:23

End at: 2018-05-24 01:00:53

Local clock offset: 3.173 ms

Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-05-24 03:14:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.02 Mbit/s

95th percentile per-packet one-way delay: 639.467 ms

Loss rate: 0.72%

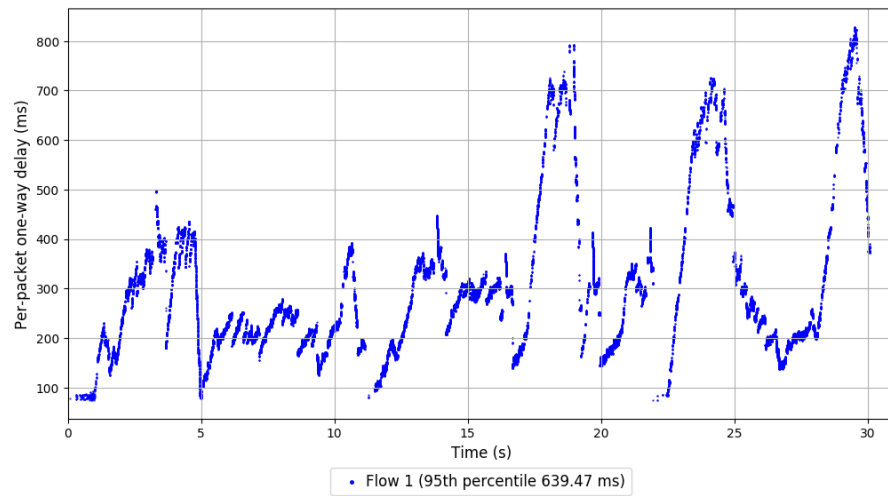
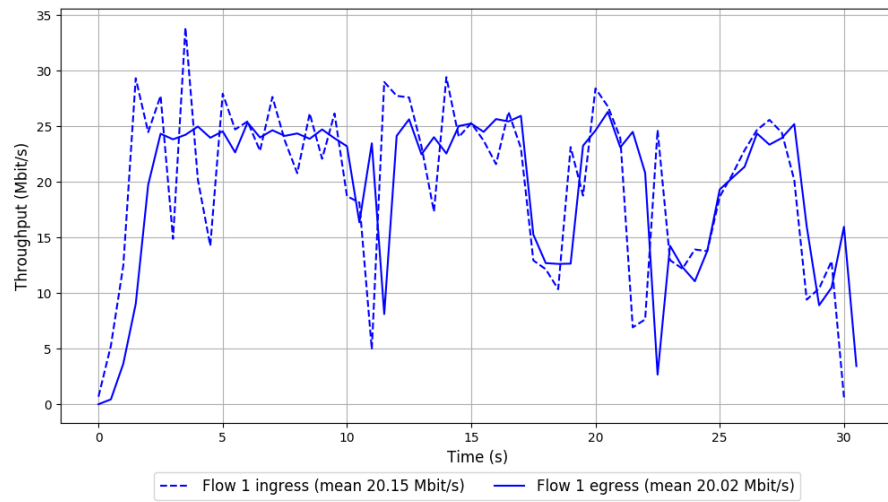
-- Flow 1:

Average throughput: 20.02 Mbit/s

95th percentile per-packet one-way delay: 639.467 ms

Loss rate: 0.72%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-24 01:20:35

End at: 2018-05-24 01:21:05

Local clock offset: 3.509 ms

Remote clock offset: -0.809 ms

Below is generated by plot.py at 2018-05-24 03:14:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.61 Mbit/s

95th percentile per-packet one-way delay: 496.847 ms

Loss rate: 0.62%

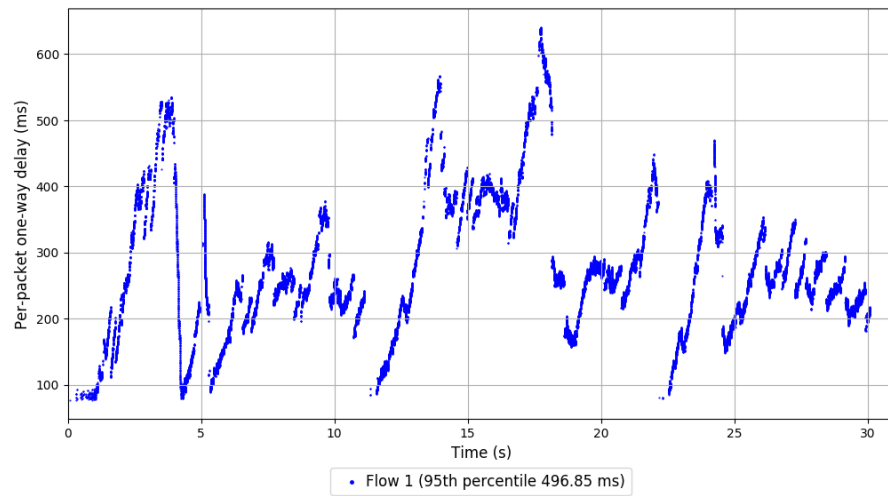
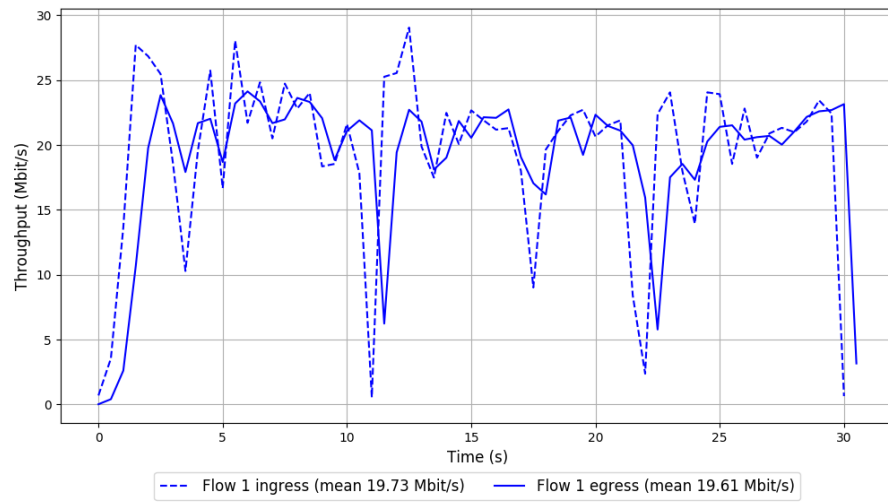
-- Flow 1:

Average throughput: 19.61 Mbit/s

95th percentile per-packet one-way delay: 496.847 ms

Loss rate: 0.62%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-24 01:40:48

End at: 2018-05-24 01:41:18

Local clock offset: 4.032 ms

Remote clock offset: -0.97 ms

Below is generated by plot.py at 2018-05-24 03:14:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.22 Mbit/s

95th percentile per-packet one-way delay: 370.196 ms

Loss rate: 0.57%

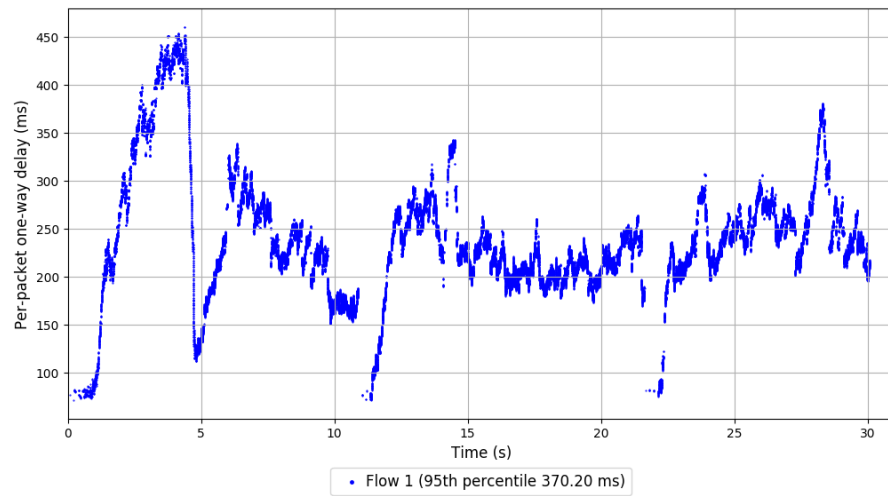
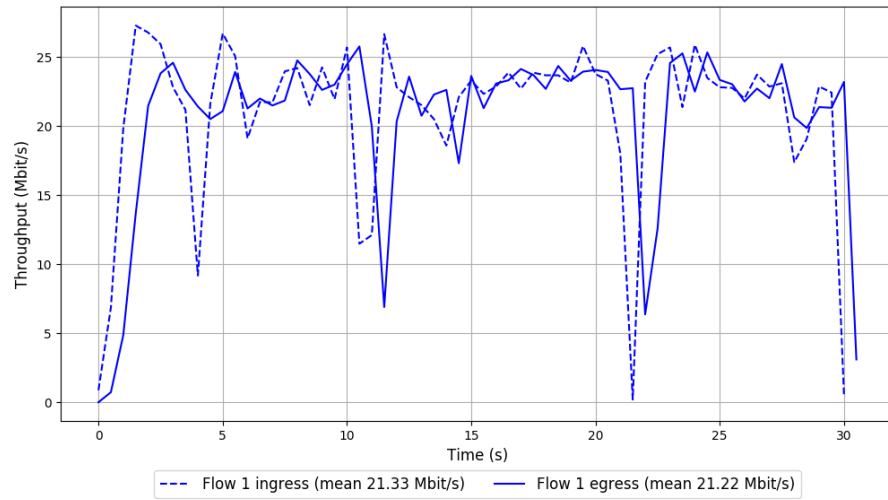
-- Flow 1:

Average throughput: 21.22 Mbit/s

95th percentile per-packet one-way delay: 370.196 ms

Loss rate: 0.57%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-24 02:01:06

End at: 2018-05-24 02:01:36

Local clock offset: 3.632 ms

Remote clock offset: -0.48 ms

Below is generated by plot.py at 2018-05-24 03:14:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.94 Mbit/s

95th percentile per-packet one-way delay: 340.931 ms

Loss rate: 0.86%

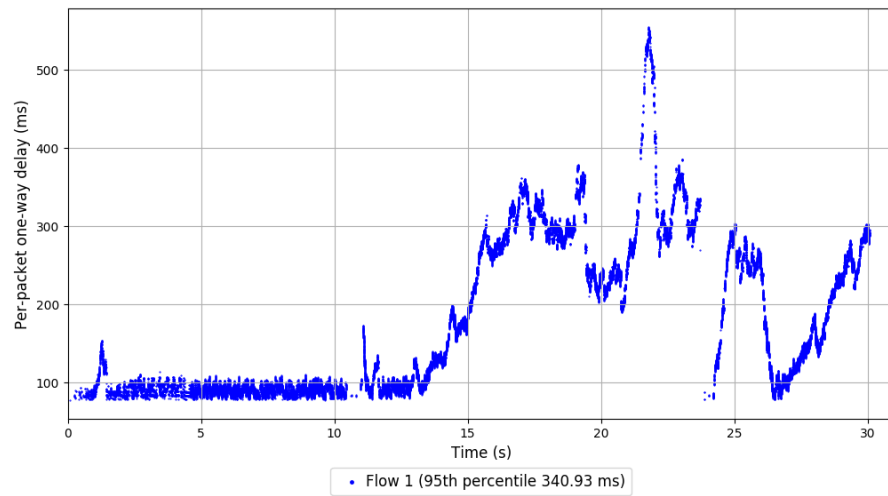
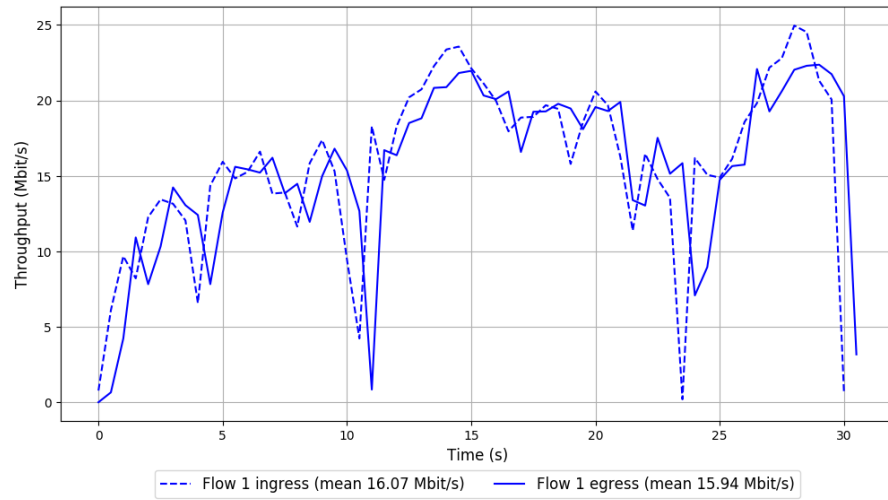
-- Flow 1:

Average throughput: 15.94 Mbit/s

95th percentile per-packet one-way delay: 340.931 ms

Loss rate: 0.86%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-24 02:21:16

End at: 2018-05-24 02:21:47

Local clock offset: 2.393 ms

Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-05-24 03:14:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.57 Mbit/s

95th percentile per-packet one-way delay: 739.424 ms

Loss rate: 1.02%

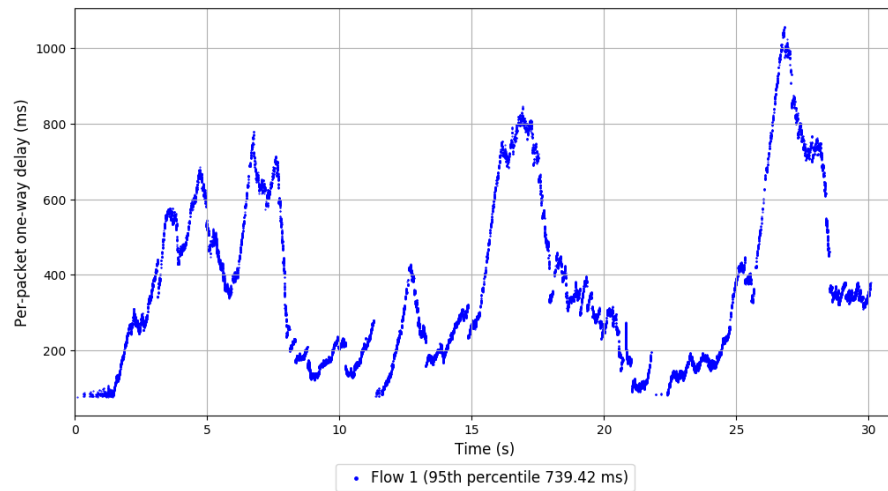
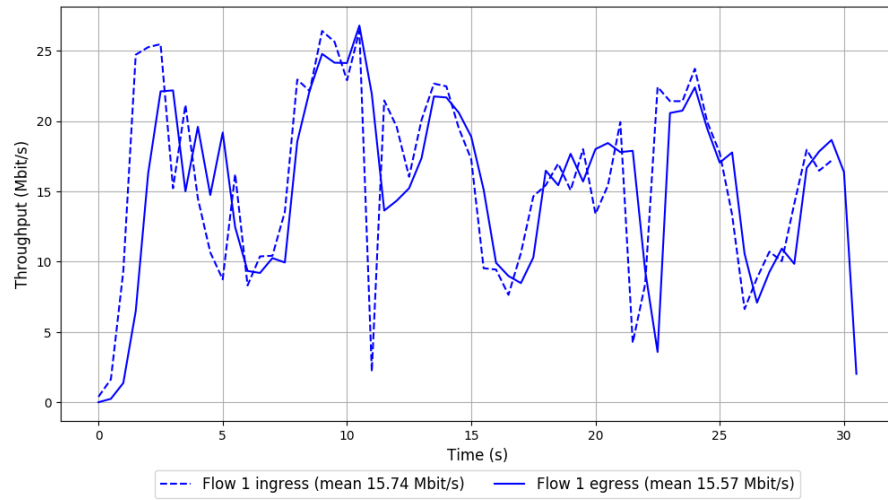
-- Flow 1:

Average throughput: 15.57 Mbit/s

95th percentile per-packet one-way delay: 739.424 ms

Loss rate: 1.02%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-24 02:41:28

End at: 2018-05-24 02:41:58

Local clock offset: 2.348 ms

Remote clock offset: 0.413 ms

Below is generated by plot.py at 2018-05-24 03:14:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.24 Mbit/s

95th percentile per-packet one-way delay: 419.810 ms

Loss rate: 0.60%

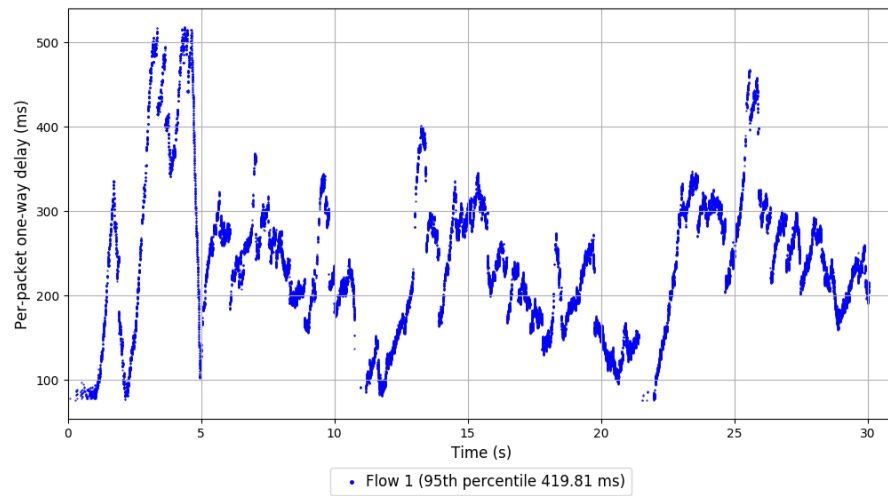
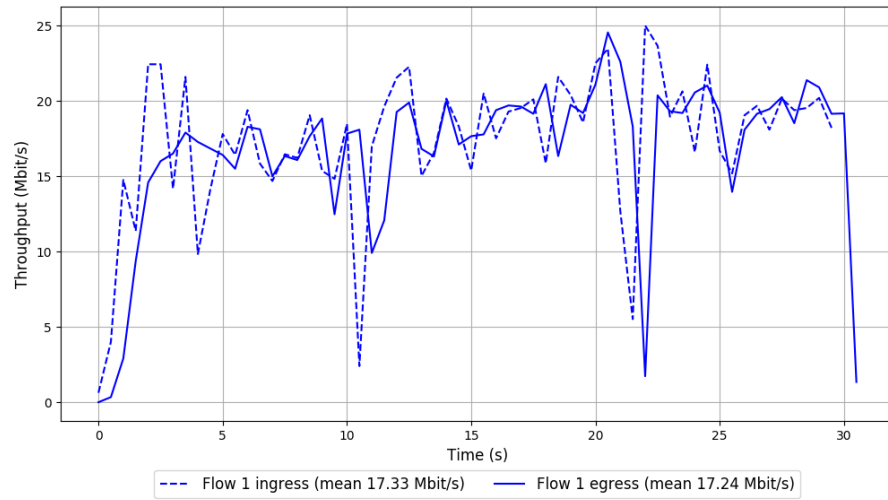
-- Flow 1:

Average throughput: 17.24 Mbit/s

95th percentile per-packet one-way delay: 419.810 ms

Loss rate: 0.60%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-24 03:01:40

End at: 2018-05-24 03:02:10

Local clock offset: 3.04 ms

Remote clock offset: 0.694 ms

Below is generated by plot.py at 2018-05-24 03:14:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.13 Mbit/s

95th percentile per-packet one-way delay: 516.342 ms

Loss rate: 0.85%

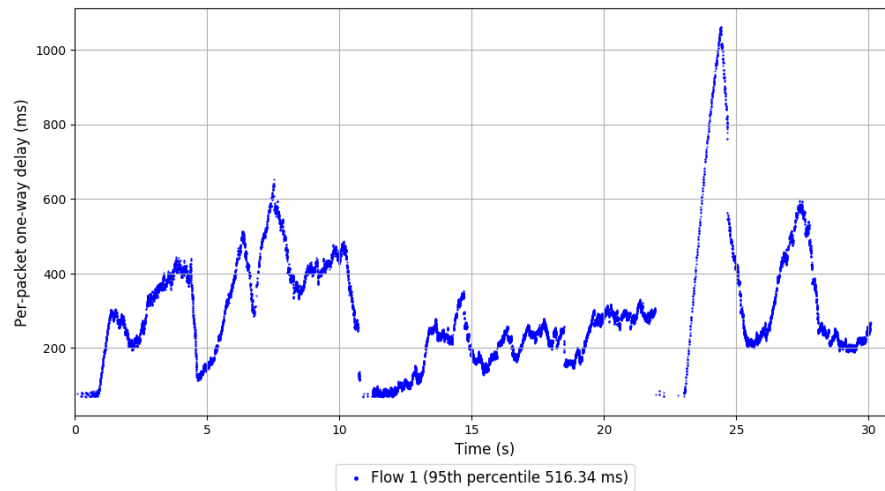
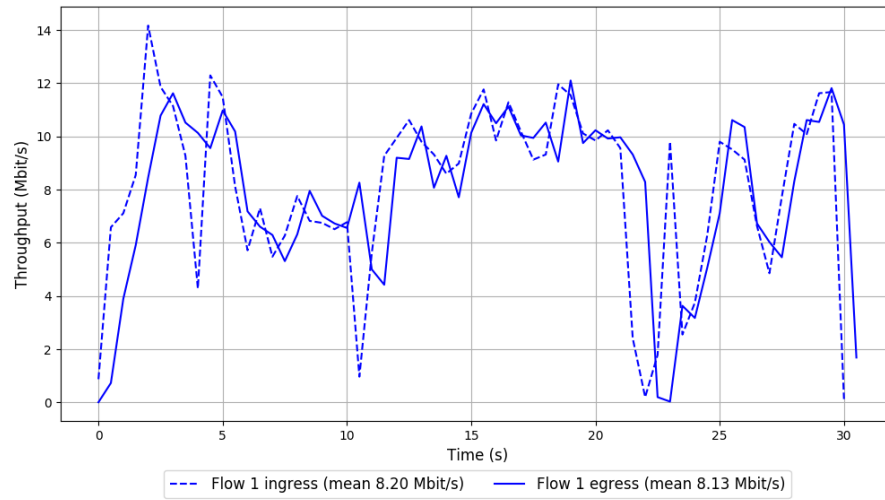
-- Flow 1:

Average throughput: 8.13 Mbit/s

95th percentile per-packet one-way delay: 516.342 ms

Loss rate: 0.85%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-24 00:08:38

End at: 2018-05-24 00:09:08

Local clock offset: -1.423 ms

Remote clock offset: -0.86 ms

Below is generated by plot.py at 2018-05-24 03:14:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.69 Mbit/s

95th percentile per-packet one-way delay: 92.784 ms

Loss rate: 0.00%

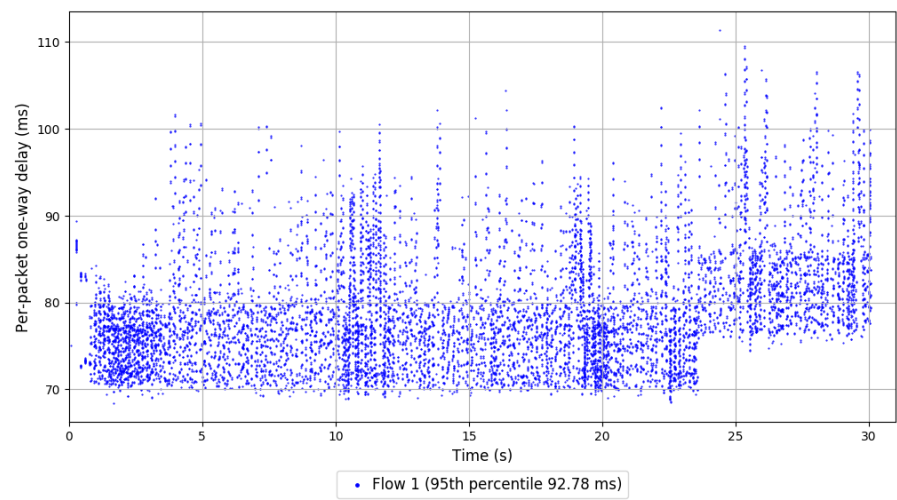
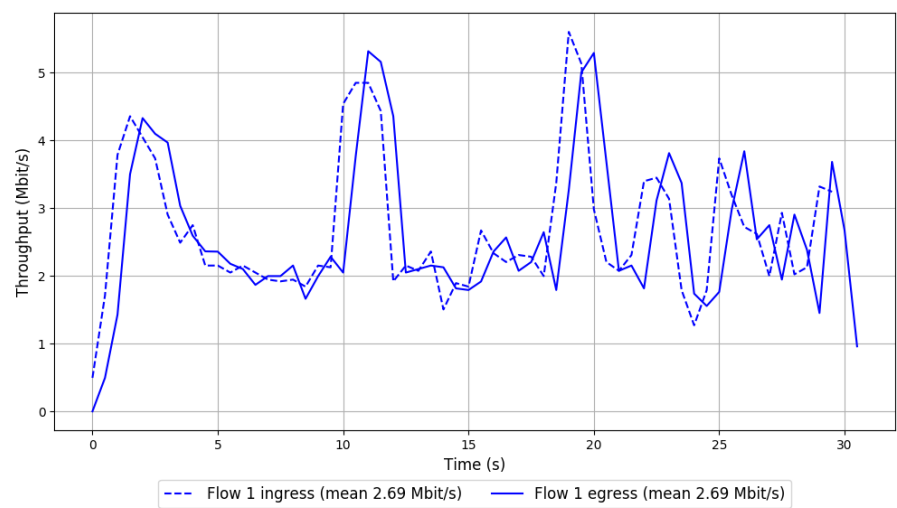
-- Flow 1:

Average throughput: 2.69 Mbit/s

95th percentile per-packet one-way delay: 92.784 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

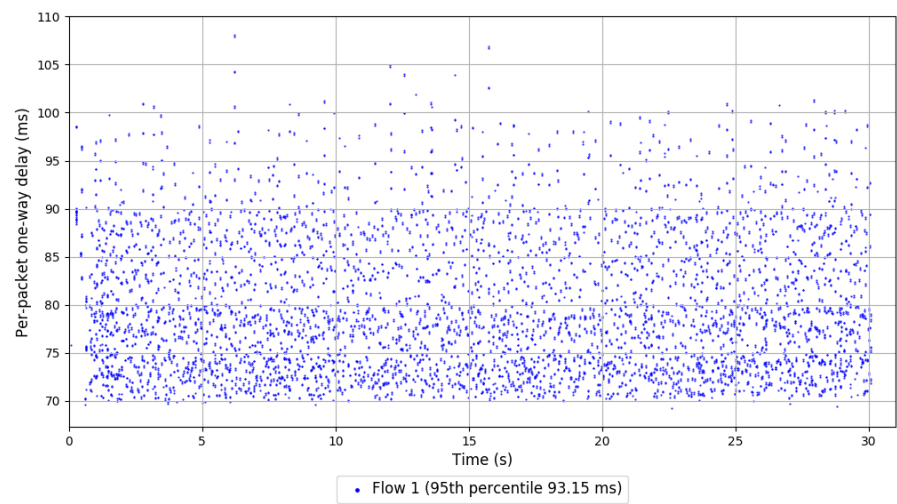
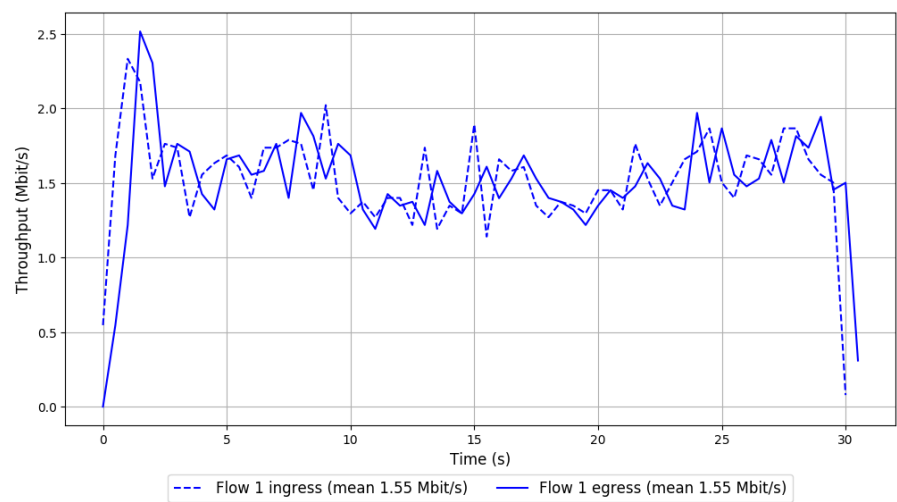


Run 2: Statistics of Copa

Start at: 2018-05-24 00:28:50
End at: 2018-05-24 00:29:20
Local clock offset: -2.613 ms
Remote clock offset: -1.409 ms

Below is generated by plot.py at 2018-05-24 03:14:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 93.149 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 93.149 ms
Loss rate: 0.03%

Run 2: Report of Copa — Data Link

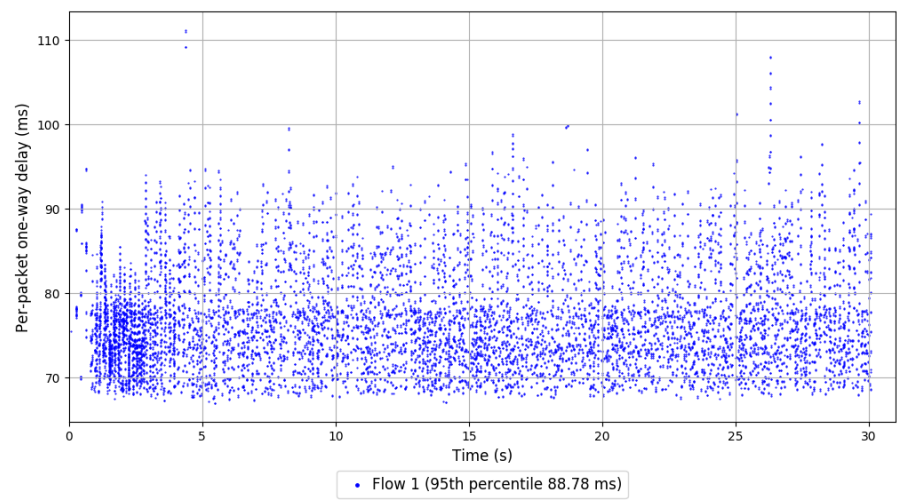
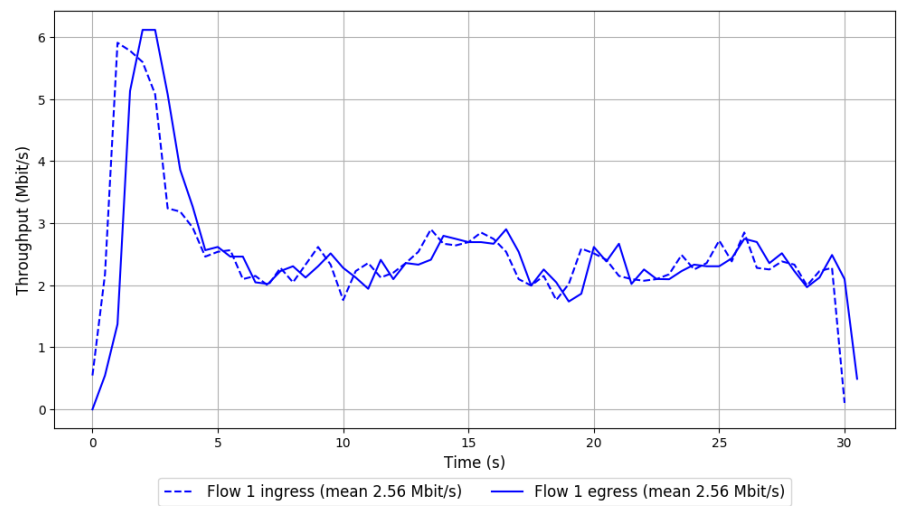


Run 3: Statistics of Copa

Start at: 2018-05-24 00:49:02
End at: 2018-05-24 00:49:32
Local clock offset: 2.62 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-05-24 03:14:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 88.776 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 88.776 ms
Loss rate: 0.02%

Run 3: Report of Copa — Data Link

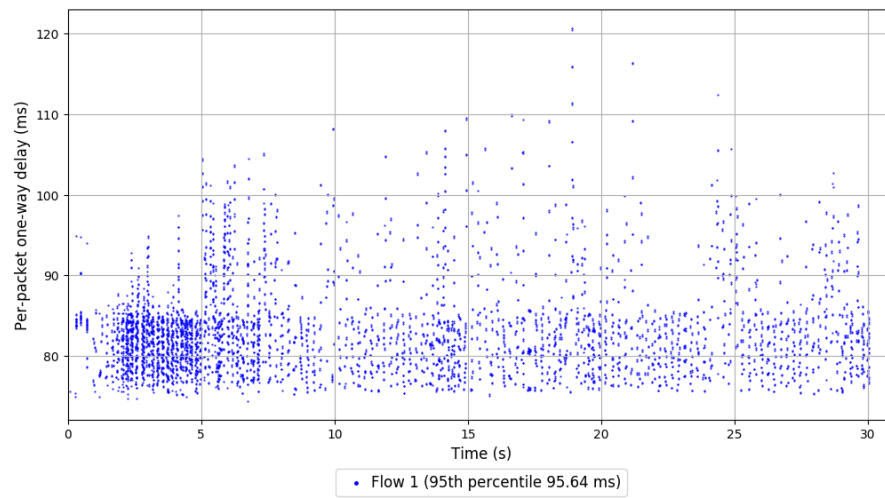
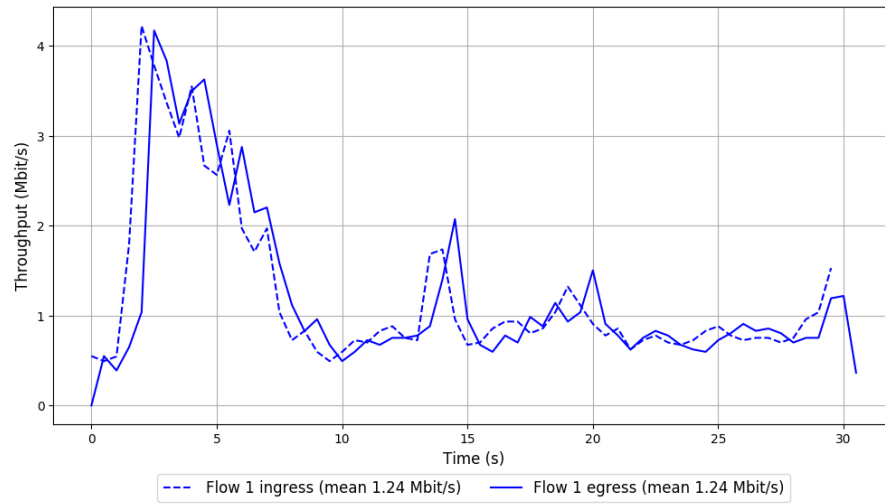


Run 4: Statistics of Copa

Start at: 2018-05-24 01:09:14
End at: 2018-05-24 01:09:44
Local clock offset: 3.144 ms
Remote clock offset: -0.333 ms

Below is generated by plot.py at 2018-05-24 03:14:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 95.642 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 95.642 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

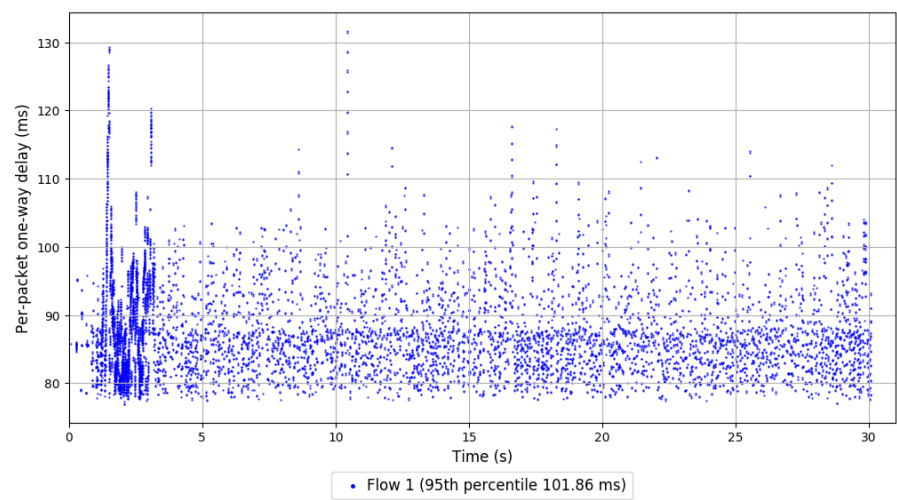
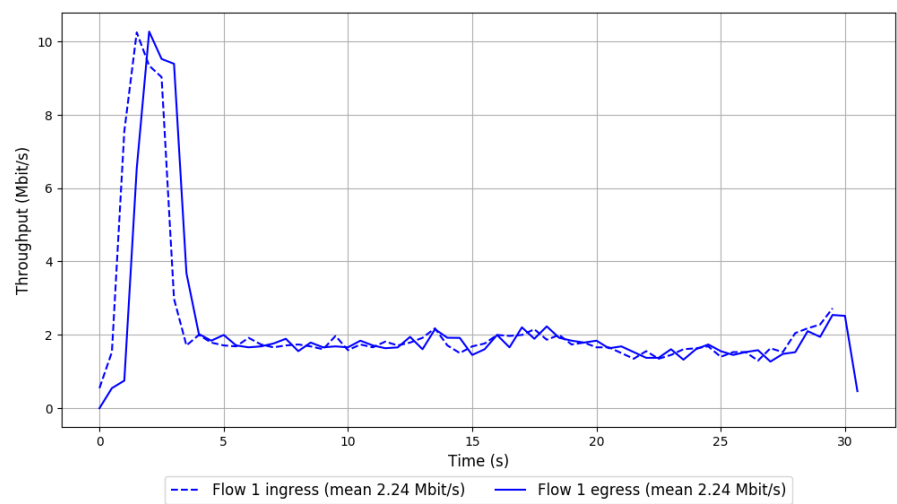


Run 5: Statistics of Copa

Start at: 2018-05-24 01:29:26
End at: 2018-05-24 01:29:56
Local clock offset: 3.69 ms
Remote clock offset: -0.904 ms

Below is generated by plot.py at 2018-05-24 03:14:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 101.864 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 101.864 ms
Loss rate: 0.02%

Run 5: Report of Copa — Data Link

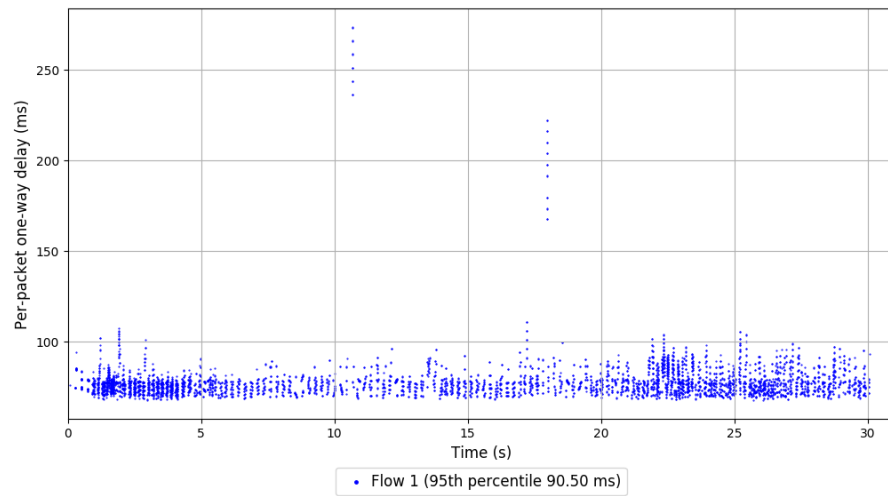
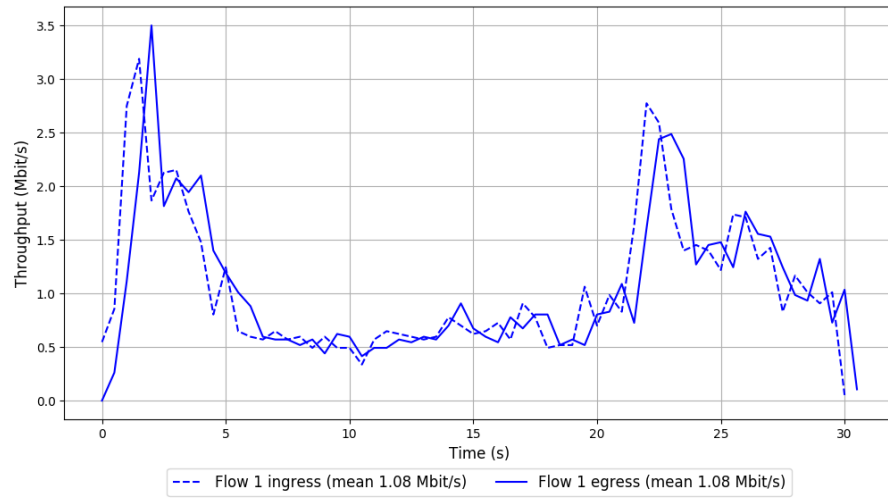


Run 6: Statistics of Copa

Start at: 2018-05-24 01:49:40
End at: 2018-05-24 01:50:11
Local clock offset: 4.439 ms
Remote clock offset: -0.691 ms

Below is generated by plot.py at 2018-05-24 03:14:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 90.503 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 90.503 ms
Loss rate: 0.20%

Run 6: Report of Copa — Data Link

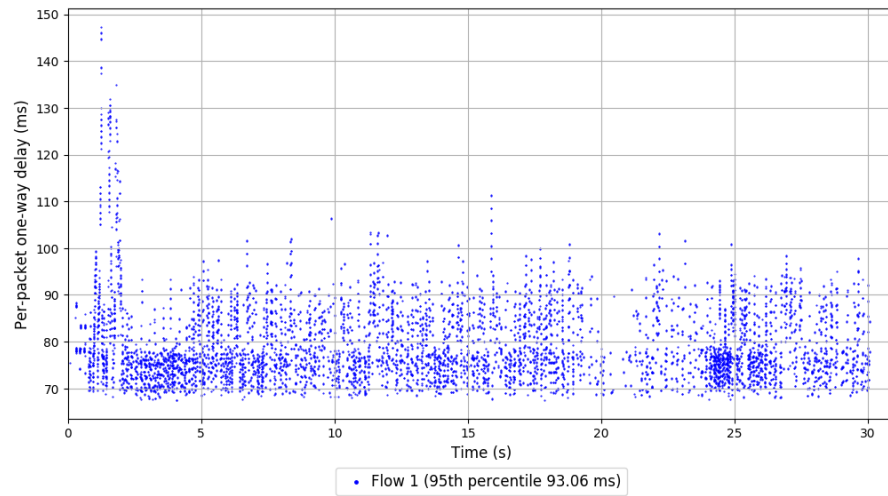
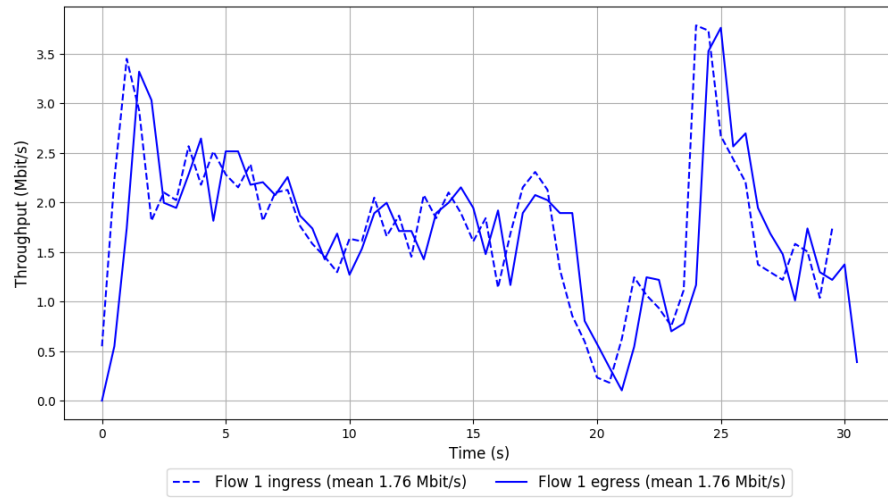


Run 7: Statistics of Copa

Start at: 2018-05-24 02:09:57
End at: 2018-05-24 02:10:27
Local clock offset: 2.766 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-05-24 03:14:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 93.064 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 93.064 ms
Loss rate: 0.05%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-05-24 02:30:07

End at: 2018-05-24 02:30:37

Local clock offset: 2.505 ms

Remote clock offset: 0.25 ms

Below is generated by plot.py at 2018-05-24 03:14:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 92.598 ms

Loss rate: 0.00%

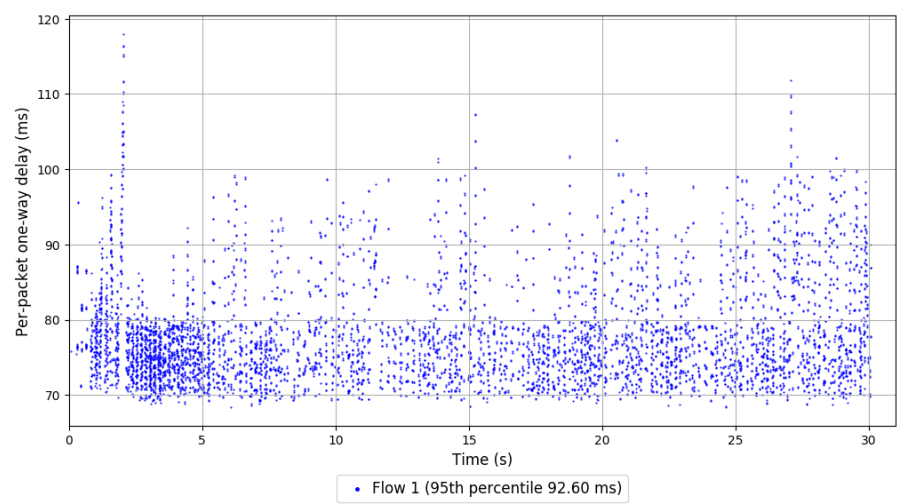
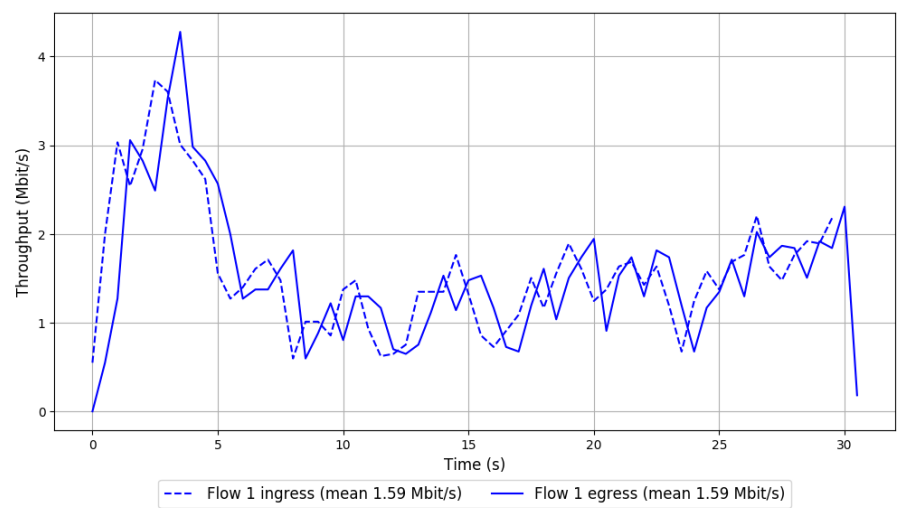
-- Flow 1:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 92.598 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-05-24 02:50:20

End at: 2018-05-24 02:50:50

Local clock offset: 2.257 ms

Remote clock offset: 0.627 ms

Below is generated by plot.py at 2018-05-24 03:14:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 101.373 ms

Loss rate: 0.09%

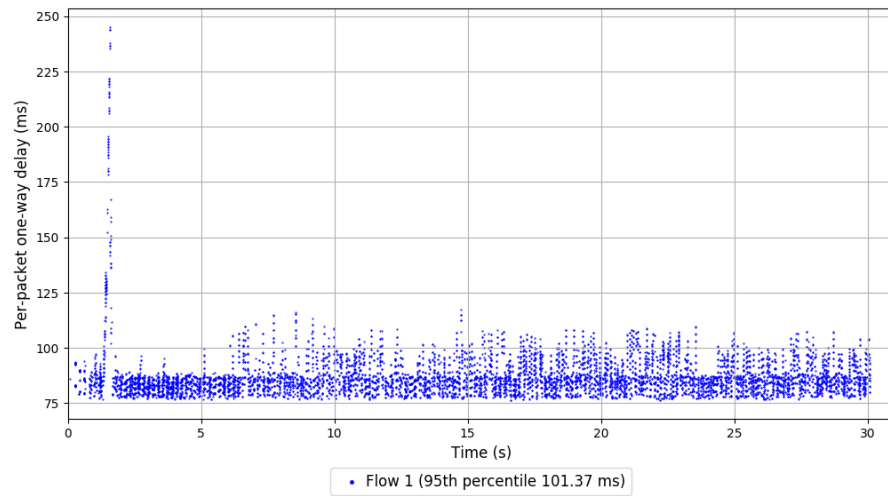
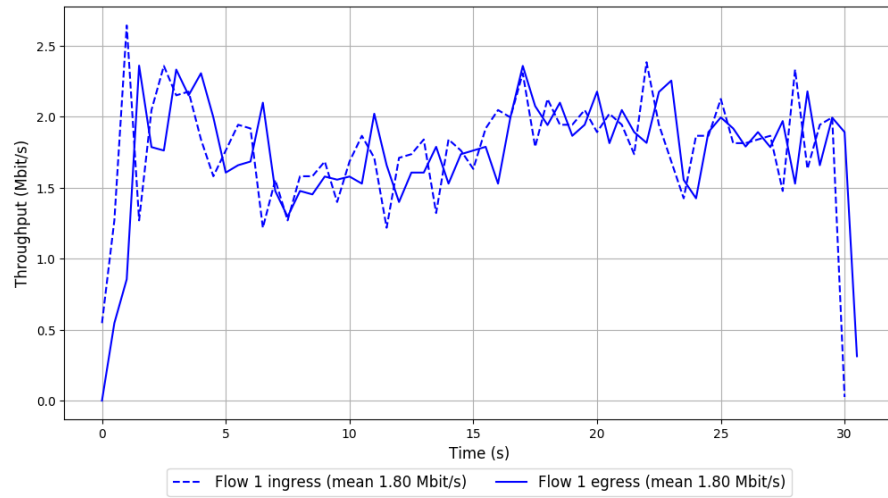
-- Flow 1:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 101.373 ms

Loss rate: 0.09%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-24 03:10:31

End at: 2018-05-24 03:11:01

Local clock offset: 3.707 ms

Remote clock offset: 0.915 ms

Below is generated by plot.py at 2018-05-24 03:14:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.14 Mbit/s

95th percentile per-packet one-way delay: 97.612 ms

Loss rate: 0.08%

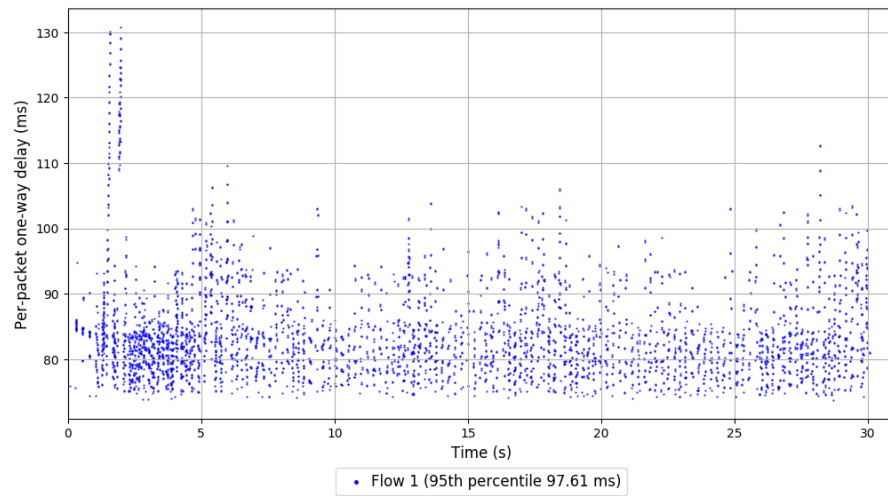
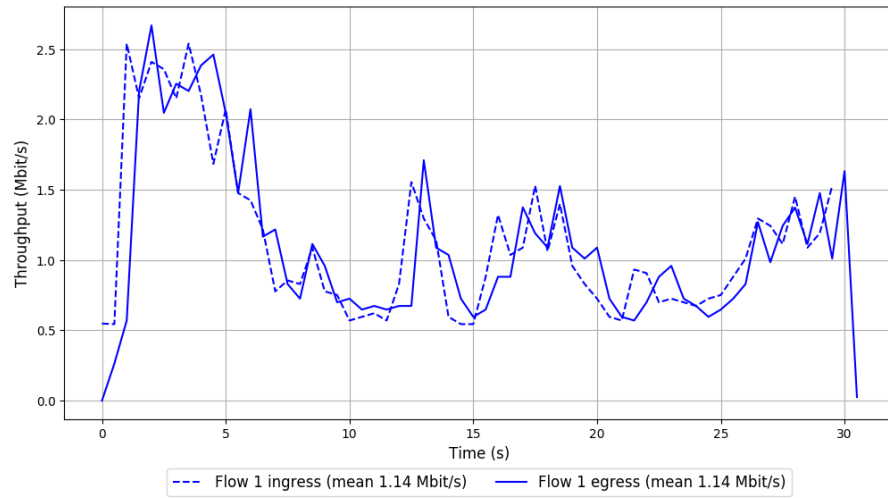
-- Flow 1:

Average throughput: 1.14 Mbit/s

95th percentile per-packet one-way delay: 97.612 ms

Loss rate: 0.08%

Run 10: Report of Copa — Data Link

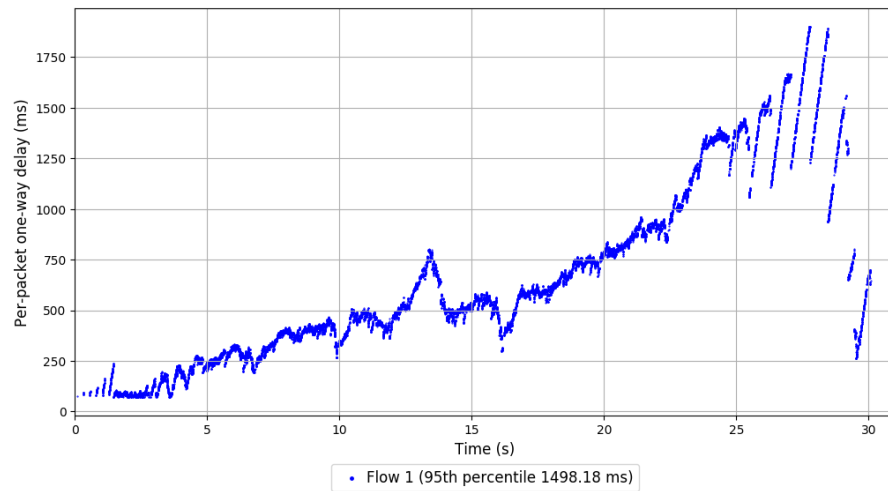
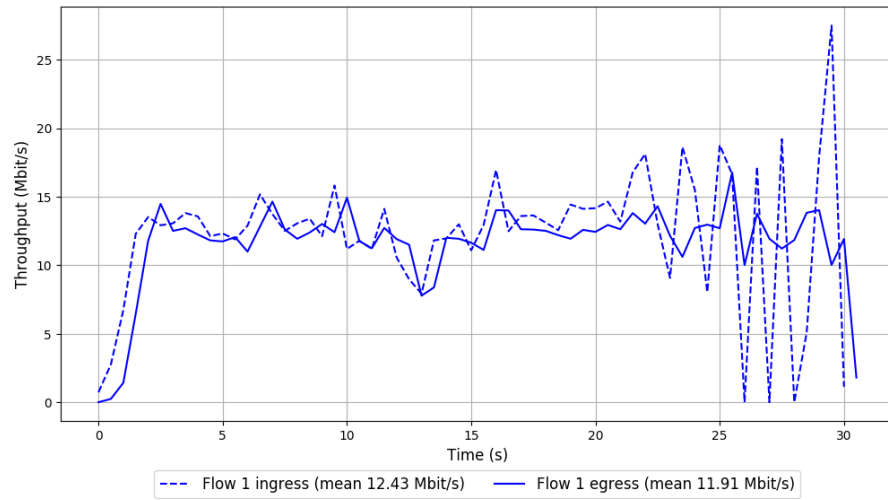


Run 1: Statistics of TCP Cubic

Start at: 2018-05-24 00:09:54
End at: 2018-05-24 00:10:24
Local clock offset: -1.979 ms
Remote clock offset: -0.855 ms

Below is generated by plot.py at 2018-05-24 03:14:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 1498.178 ms
Loss rate: 4.20%
-- Flow 1:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 1498.178 ms
Loss rate: 4.20%

Run 1: Report of TCP Cubic — Data Link

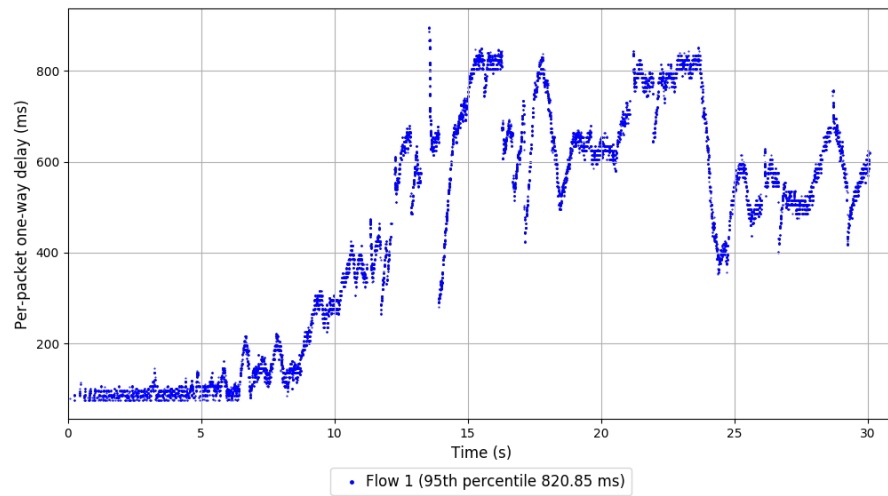
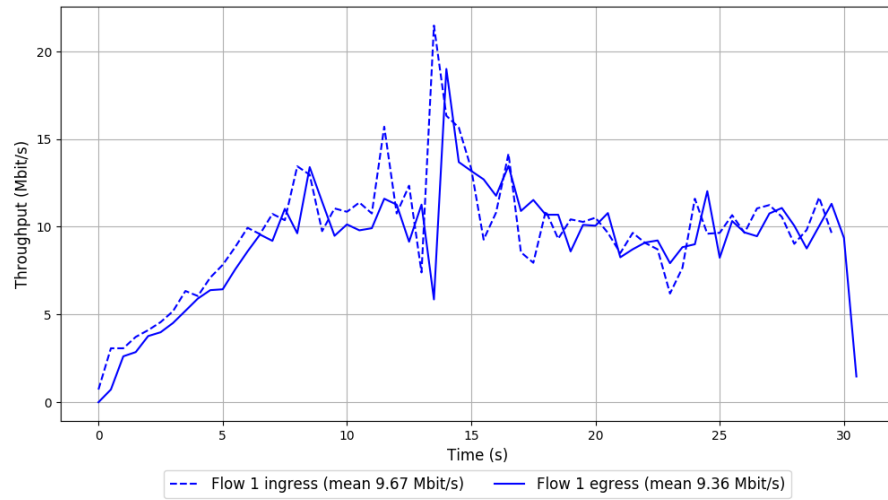


Run 2: Statistics of TCP Cubic

Start at: 2018-05-24 00:30:05
End at: 2018-05-24 00:30:35
Local clock offset: -1.841 ms
Remote clock offset: -1.403 ms

Below is generated by plot.py at 2018-05-24 03:14:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 820.846 ms
Loss rate: 3.13%
-- Flow 1:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 820.846 ms
Loss rate: 3.13%

Run 2: Report of TCP Cubic — Data Link

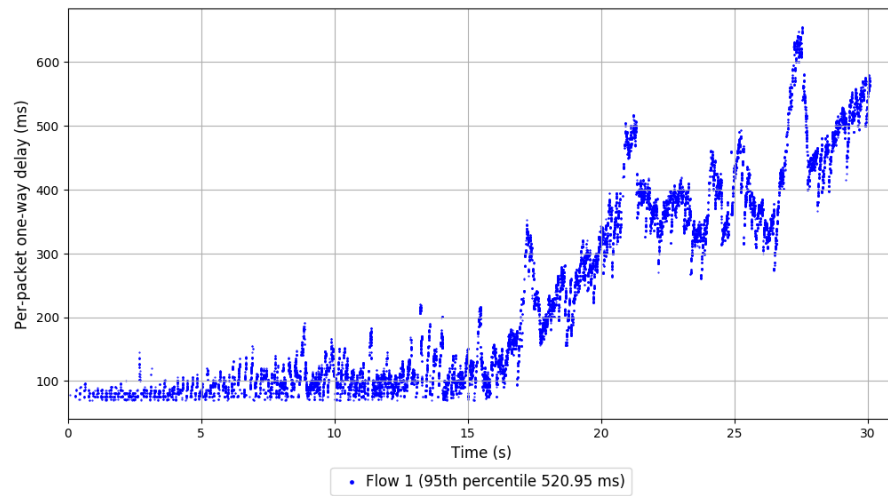
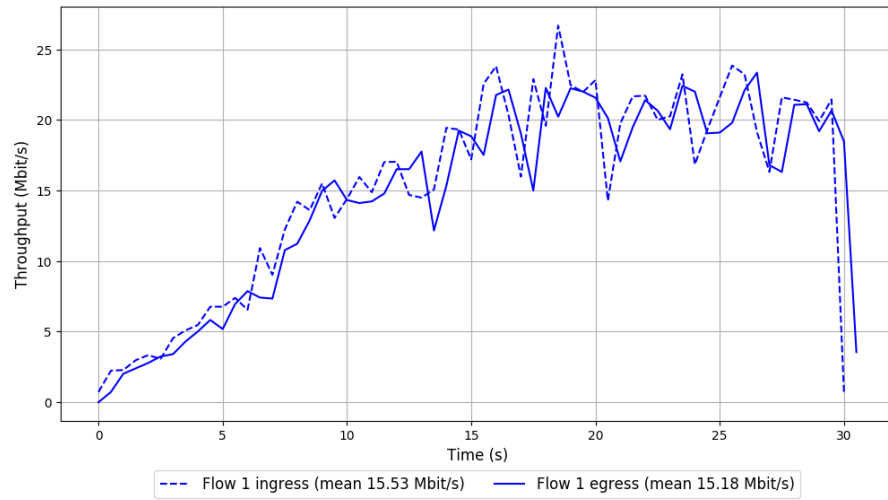


Run 3: Statistics of TCP Cubic

Start at: 2018-05-24 00:50:17
End at: 2018-05-24 00:50:47
Local clock offset: 2.644 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-05-24 03:14:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.18 Mbit/s
95th percentile per-packet one-way delay: 520.945 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 15.18 Mbit/s
95th percentile per-packet one-way delay: 520.945 ms
Loss rate: 2.27%

Run 3: Report of TCP Cubic — Data Link

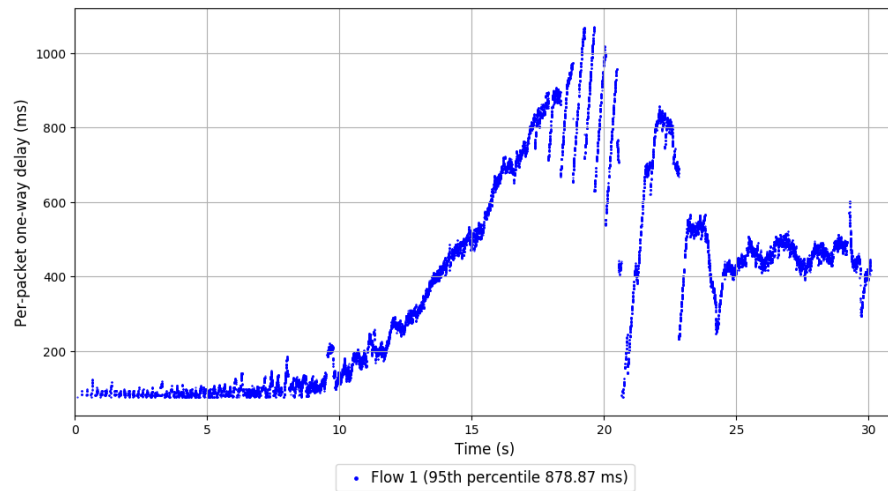
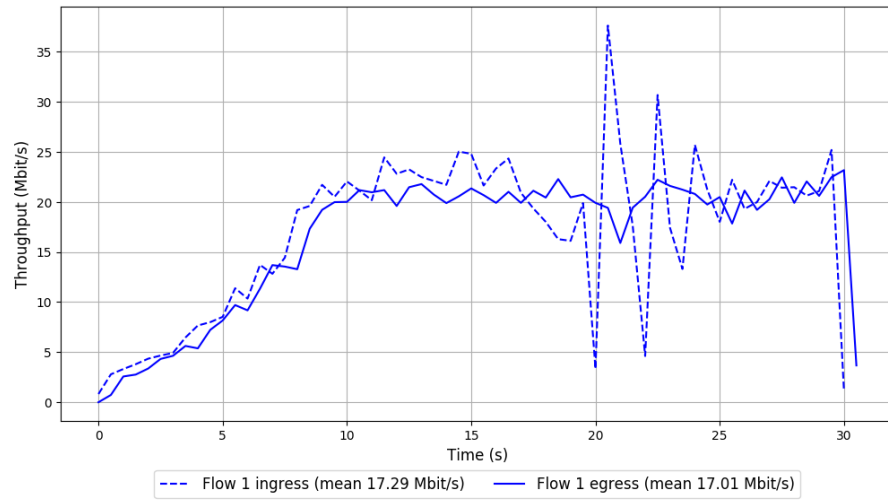


Run 4: Statistics of TCP Cubic

Start at: 2018-05-24 01:10:29
End at: 2018-05-24 01:10:59
Local clock offset: 3.284 ms
Remote clock offset: -0.405 ms

Below is generated by plot.py at 2018-05-24 03:14:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.01 Mbit/s
95th percentile per-packet one-way delay: 878.865 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 17.01 Mbit/s
95th percentile per-packet one-way delay: 878.865 ms
Loss rate: 1.67%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-24 01:30:41

End at: 2018-05-24 01:31:11

Local clock offset: 3.7 ms

Remote clock offset: -1.0 ms

Below is generated by plot.py at 2018-05-24 03:14:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.50 Mbit/s

95th percentile per-packet one-way delay: 1544.621 ms

Loss rate: 1.31%

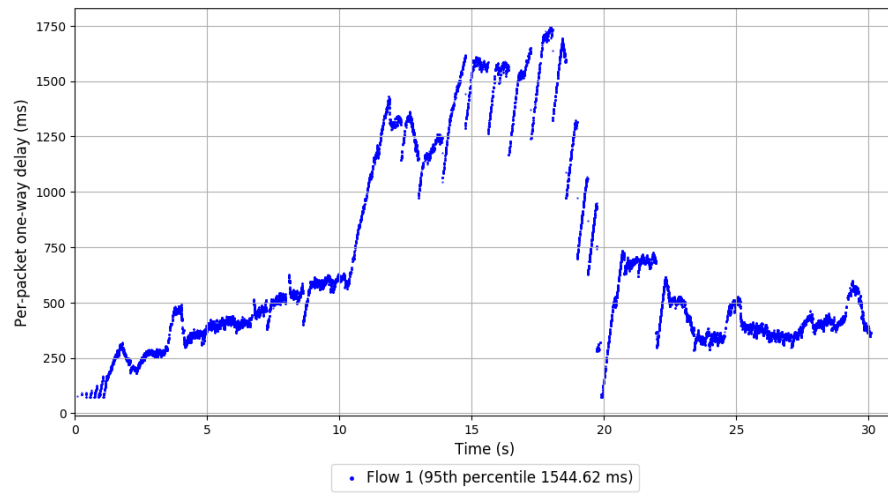
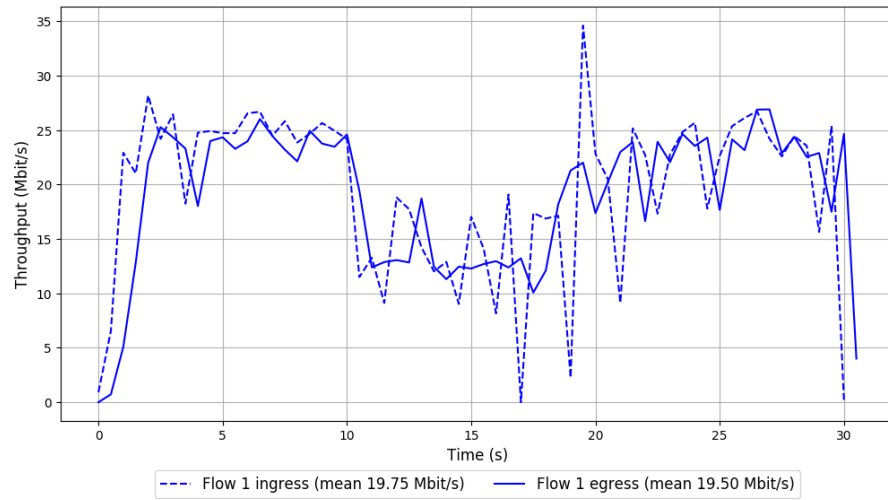
-- Flow 1:

Average throughput: 19.50 Mbit/s

95th percentile per-packet one-way delay: 1544.621 ms

Loss rate: 1.31%

Run 5: Report of TCP Cubic — Data Link

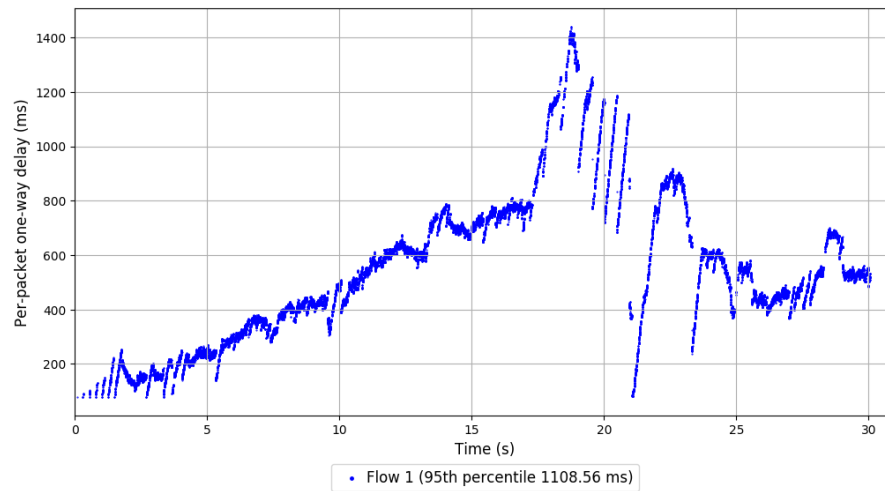
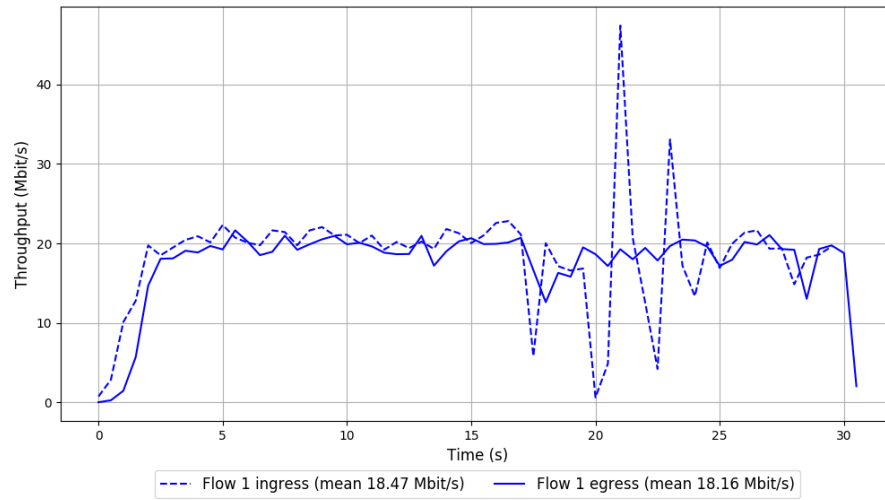


Run 6: Statistics of TCP Cubic

Start at: 2018-05-24 01:50:56
End at: 2018-05-24 01:51:26
Local clock offset: 4.578 ms
Remote clock offset: -0.622 ms

Below is generated by plot.py at 2018-05-24 03:14:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.16 Mbit/s
95th percentile per-packet one-way delay: 1108.563 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 18.16 Mbit/s
95th percentile per-packet one-way delay: 1108.563 ms
Loss rate: 1.64%

Run 6: Report of TCP Cubic — Data Link

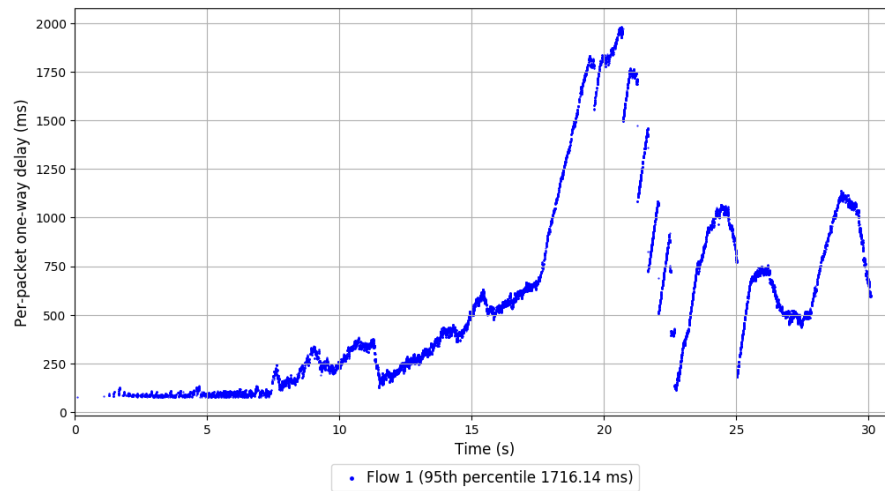
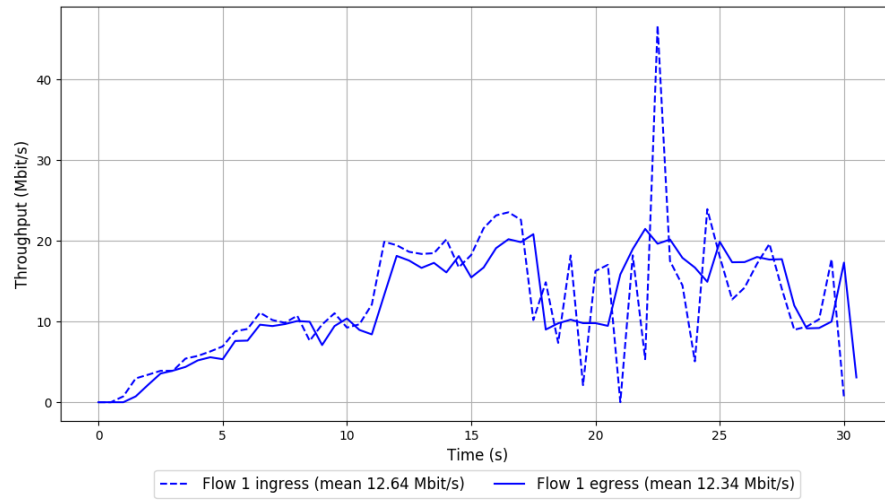


Run 7: Statistics of TCP Cubic

Start at: 2018-05-24 02:11:12
End at: 2018-05-24 02:11:42
Local clock offset: 2.688 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-05-24 03:14:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.34 Mbit/s
95th percentile per-packet one-way delay: 1716.138 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 12.34 Mbit/s
95th percentile per-packet one-way delay: 1716.138 ms
Loss rate: 2.41%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-05-24 02:31:23

End at: 2018-05-24 02:31:53

Local clock offset: 2.286 ms

Remote clock offset: 0.225 ms

Below is generated by plot.py at 2018-05-24 03:14:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.67 Mbit/s

95th percentile per-packet one-way delay: 831.119 ms

Loss rate: 1.67%

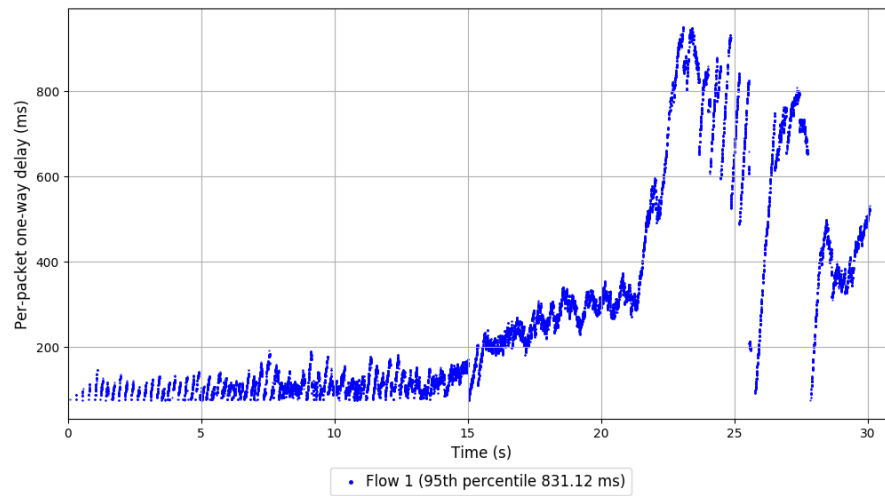
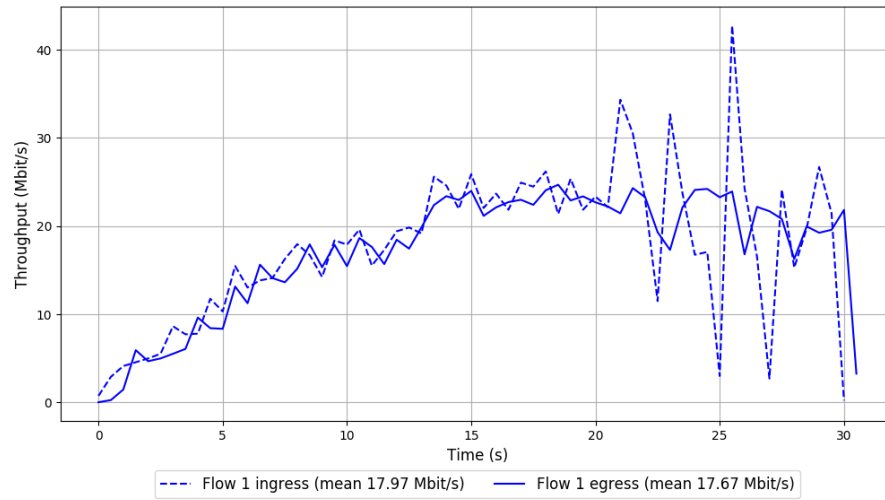
-- Flow 1:

Average throughput: 17.67 Mbit/s

95th percentile per-packet one-way delay: 831.119 ms

Loss rate: 1.67%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-24 02:51:35

End at: 2018-05-24 02:52:05

Local clock offset: 2.393 ms

Remote clock offset: 0.592 ms

Below is generated by plot.py at 2018-05-24 03:14:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.65 Mbit/s

95th percentile per-packet one-way delay: 899.122 ms

Loss rate: 2.43%

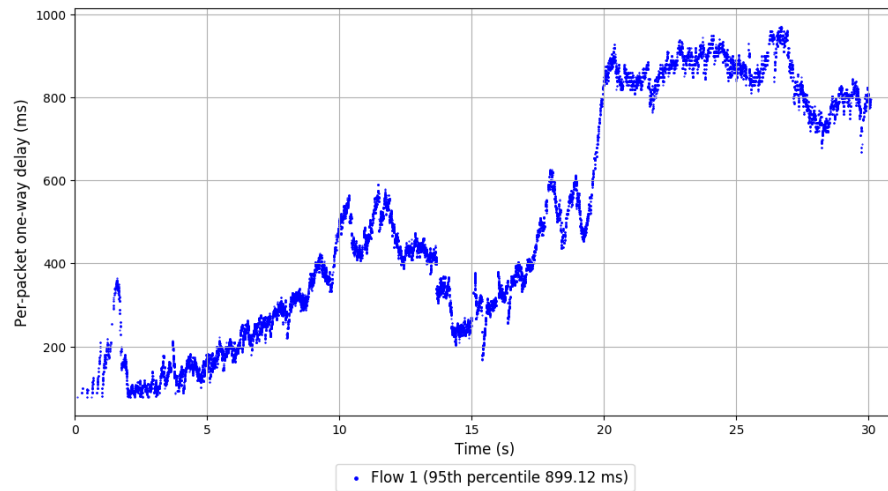
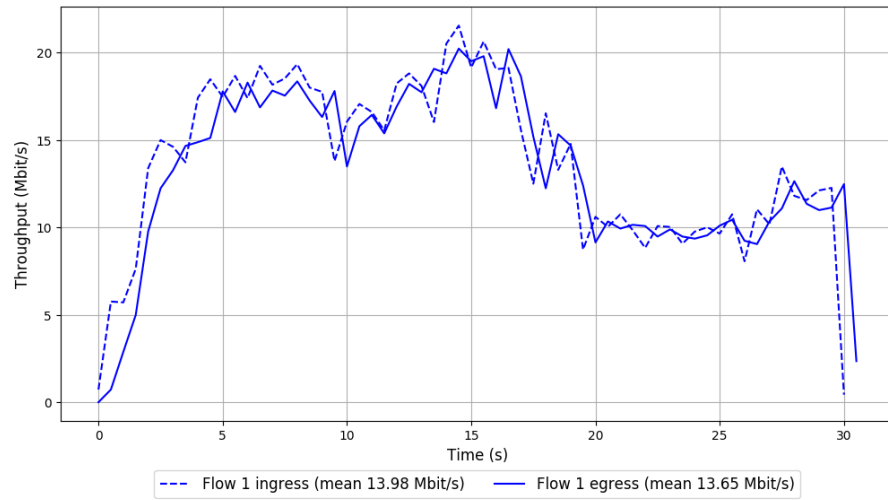
-- Flow 1:

Average throughput: 13.65 Mbit/s

95th percentile per-packet one-way delay: 899.122 ms

Loss rate: 2.43%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-24 03:11:46

End at: 2018-05-24 03:12:16

Local clock offset: 3.755 ms

Remote clock offset: 0.8 ms

Below is generated by plot.py at 2018-05-24 03:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.81 Mbit/s

95th percentile per-packet one-way delay: 847.247 ms

Loss rate: 1.27%

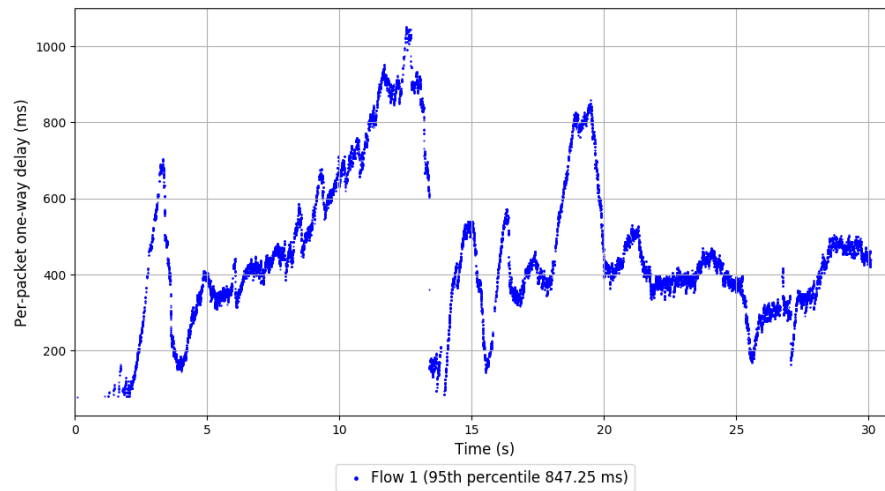
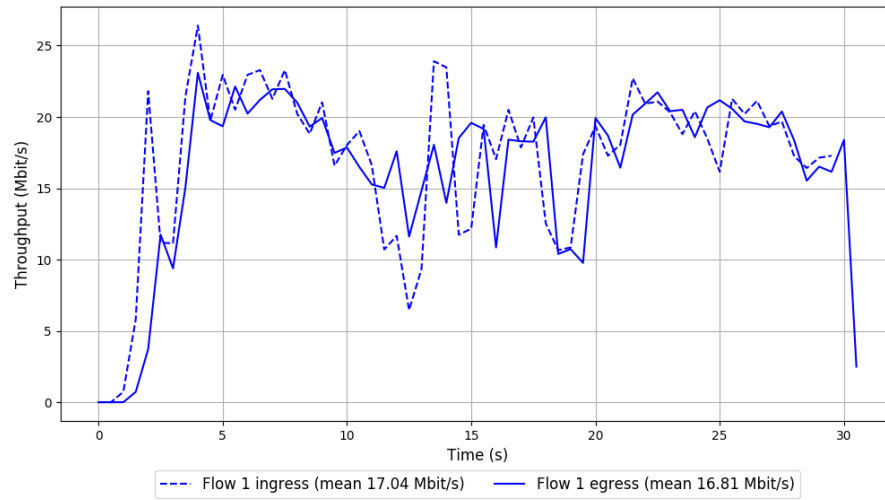
-- Flow 1:

Average throughput: 16.81 Mbit/s

95th percentile per-packet one-way delay: 847.247 ms

Loss rate: 1.27%

Run 10: Report of TCP Cubic — Data Link

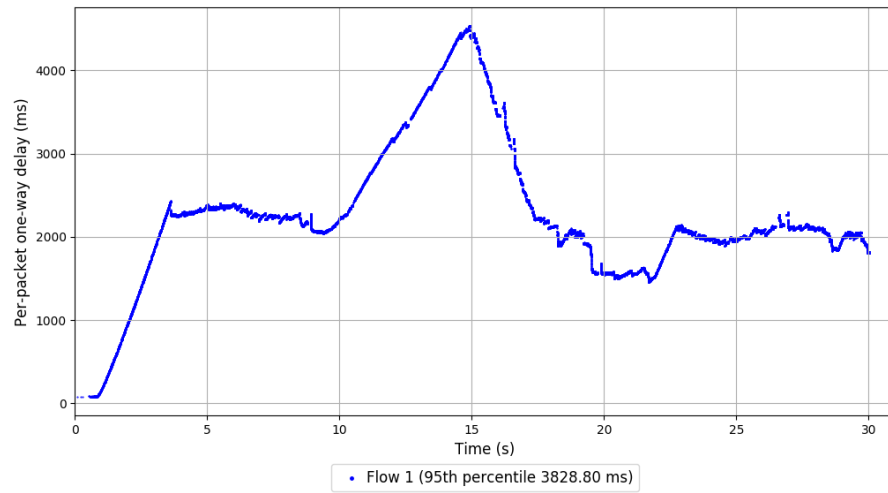
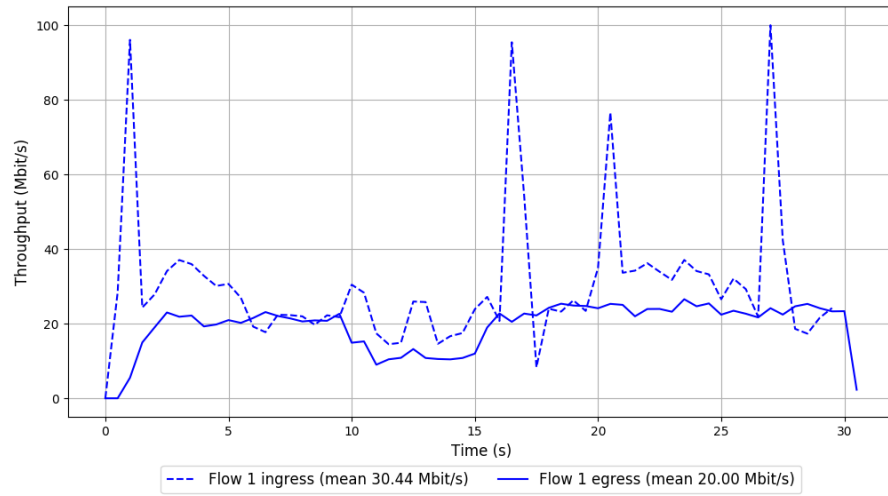


Run 1: Statistics of FillP

Start at: 2018-05-24 00:06:07
End at: 2018-05-24 00:06:37
Local clock offset: -0.48 ms
Remote clock offset: -0.799 ms

Below is generated by plot.py at 2018-05-24 03:15:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.00 Mbit/s
95th percentile per-packet one-way delay: 3828.805 ms
Loss rate: 34.30%
-- Flow 1:
Average throughput: 20.00 Mbit/s
95th percentile per-packet one-way delay: 3828.805 ms
Loss rate: 34.30%

Run 1: Report of FillP — Data Link

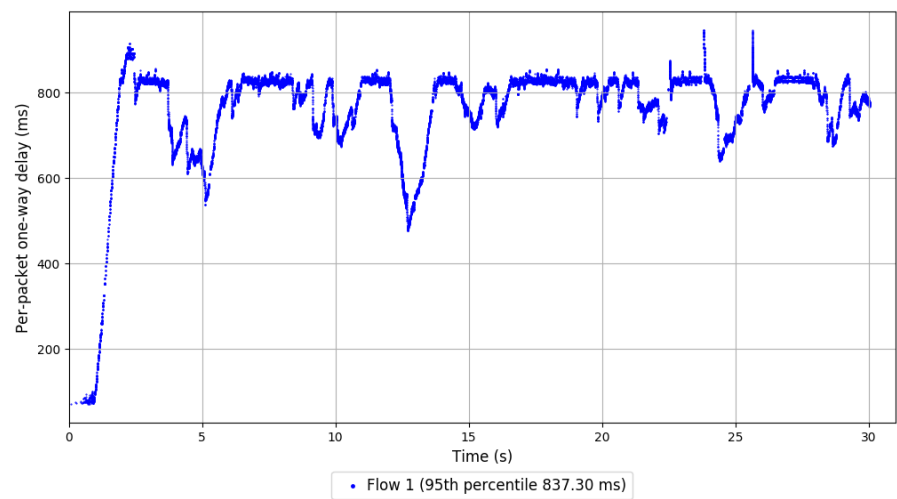
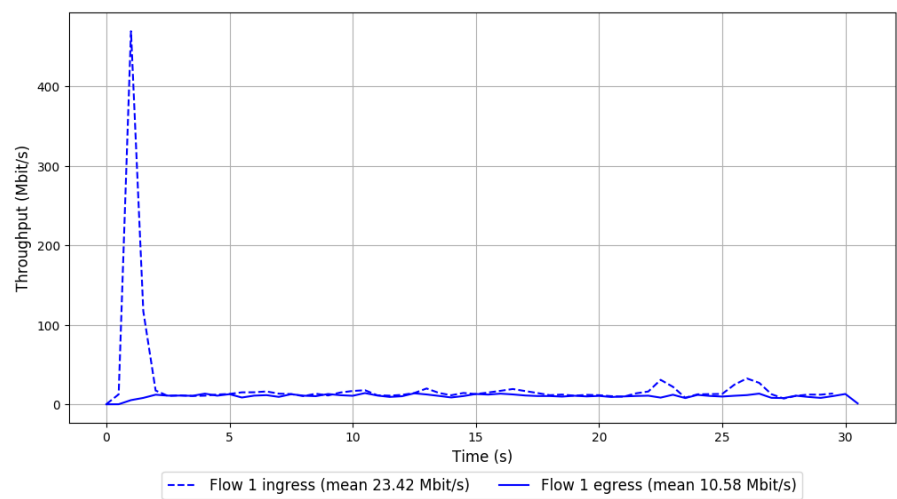


Run 2: Statistics of FillP

Start at: 2018-05-24 00:26:18
End at: 2018-05-24 00:26:48
Local clock offset: -4.155 ms
Remote clock offset: -1.359 ms

Below is generated by plot.py at 2018-05-24 03:15:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 837.297 ms
Loss rate: 54.85%
-- Flow 1:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 837.297 ms
Loss rate: 54.85%

Run 2: Report of FillP — Data Link

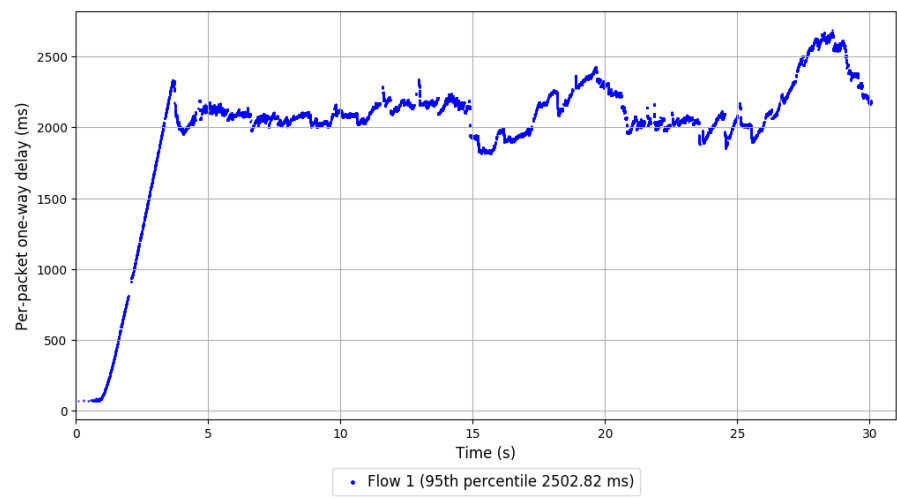
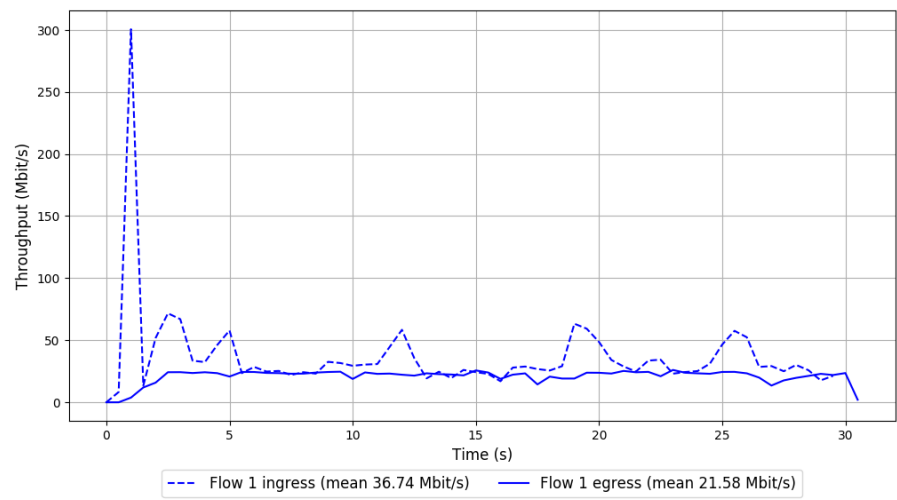


Run 3: Statistics of FillP

Start at: 2018-05-24 00:46:30
End at: 2018-05-24 00:47:00
Local clock offset: 2.338 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-05-24 03:15:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.58 Mbit/s
95th percentile per-packet one-way delay: 2502.816 ms
Loss rate: 41.27%
-- Flow 1:
Average throughput: 21.58 Mbit/s
95th percentile per-packet one-way delay: 2502.816 ms
Loss rate: 41.27%

Run 3: Report of FillP — Data Link

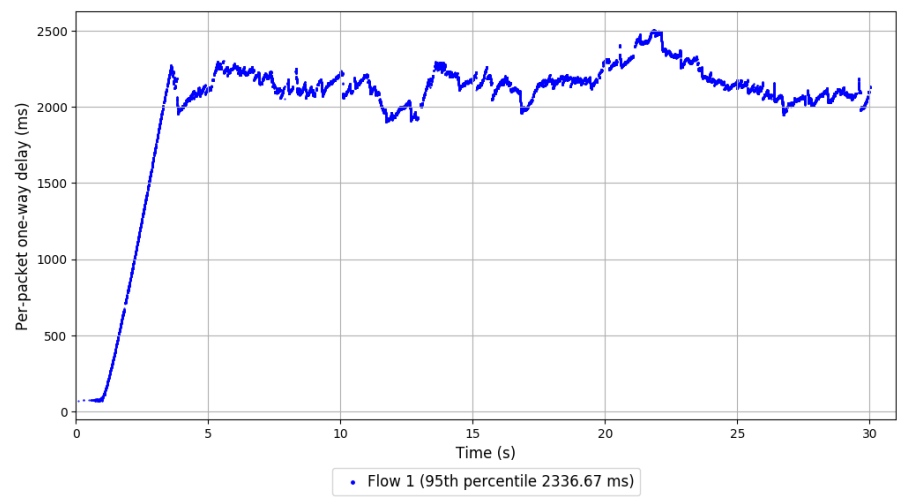
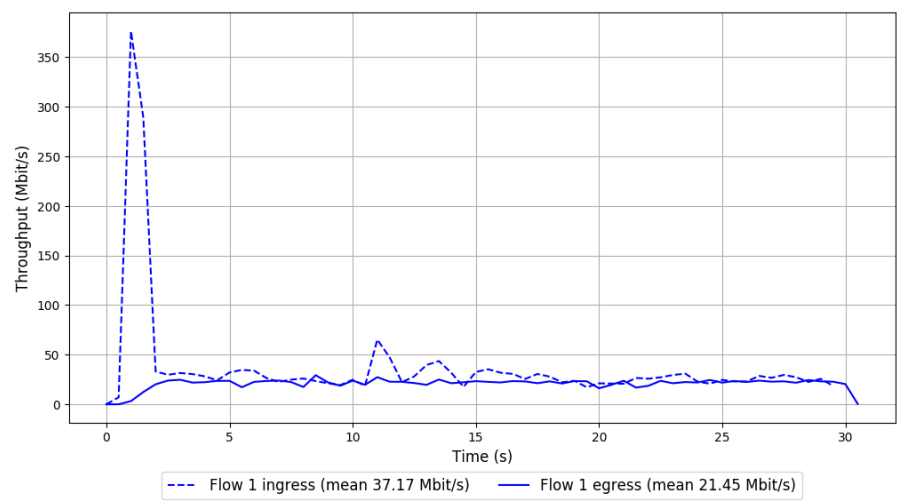


Run 4: Statistics of FillP

Start at: 2018-05-24 01:06:42
End at: 2018-05-24 01:07:12
Local clock offset: 3.246 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-05-24 03:15:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.45 Mbit/s
95th percentile per-packet one-way delay: 2336.671 ms
Loss rate: 42.30%
-- Flow 1:
Average throughput: 21.45 Mbit/s
95th percentile per-packet one-way delay: 2336.671 ms
Loss rate: 42.30%

Run 4: Report of FillP — Data Link

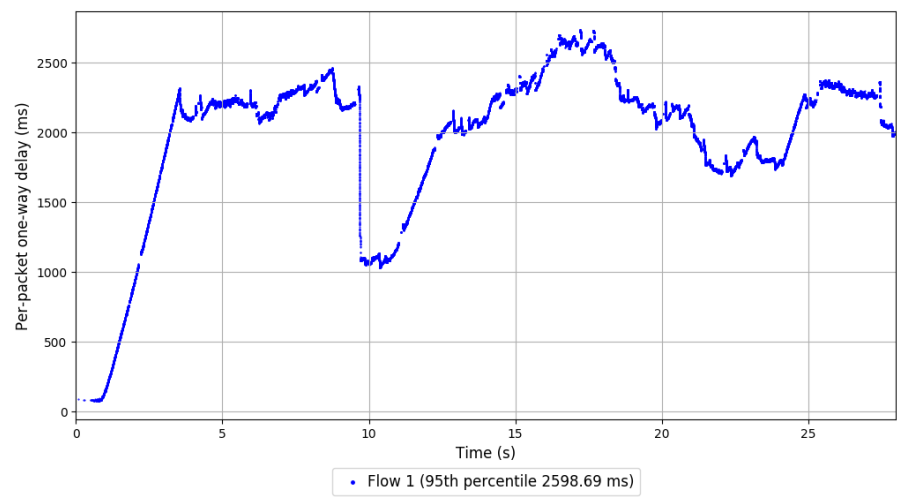
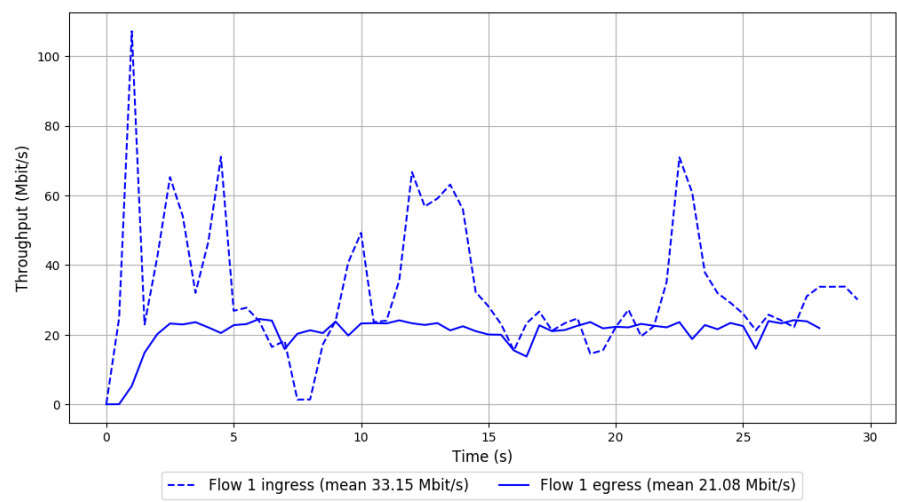


Run 5: Statistics of FillP

Start at: 2018-05-24 01:26:54
End at: 2018-05-24 01:27:24
Local clock offset: 3.741 ms
Remote clock offset: -0.933 ms

Below is generated by plot.py at 2018-05-24 03:15:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.08 Mbit/s
95th percentile per-packet one-way delay: 2598.692 ms
Loss rate: 40.75%
-- Flow 1:
Average throughput: 21.08 Mbit/s
95th percentile per-packet one-way delay: 2598.692 ms
Loss rate: 40.75%

Run 5: Report of FillP — Data Link

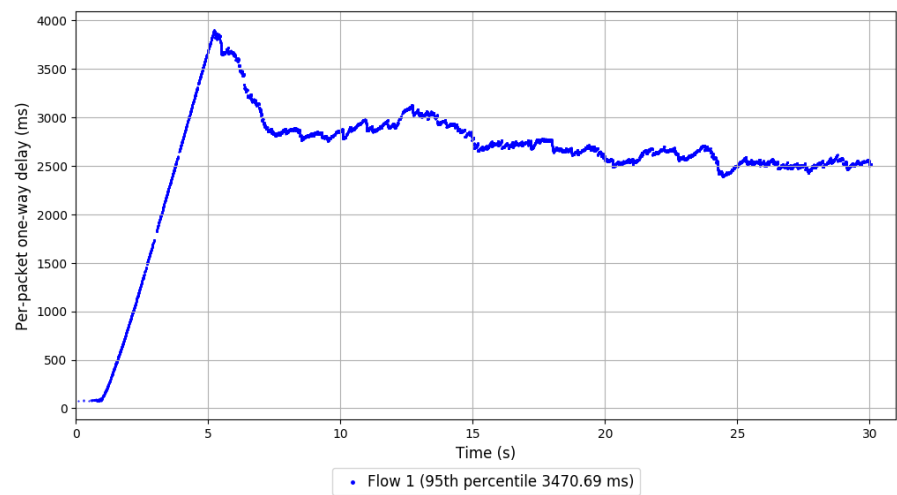
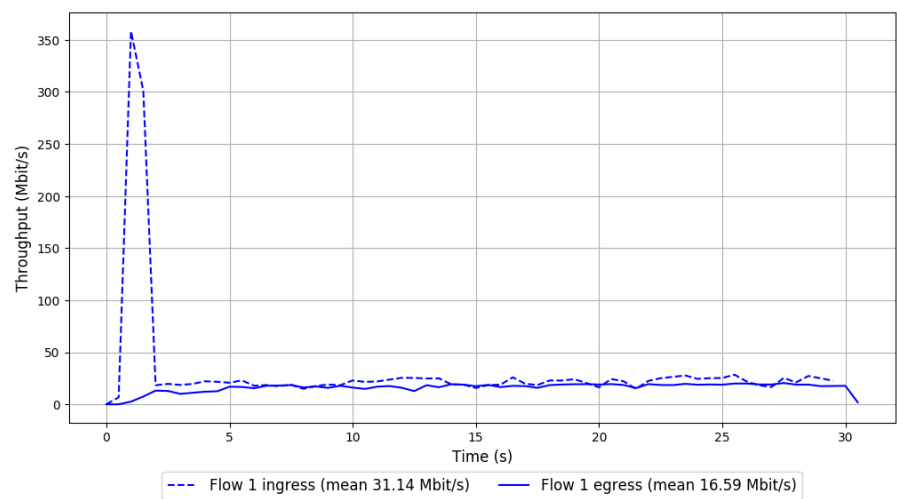


Run 6: Statistics of FillP

Start at: 2018-05-24 01:47:09
End at: 2018-05-24 01:47:39
Local clock offset: 4.422 ms
Remote clock offset: -0.657 ms

Below is generated by plot.py at 2018-05-24 03:15:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.59 Mbit/s
95th percentile per-packet one-way delay: 3470.686 ms
Loss rate: 46.76%
-- Flow 1:
Average throughput: 16.59 Mbit/s
95th percentile per-packet one-way delay: 3470.686 ms
Loss rate: 46.76%

Run 6: Report of FillP — Data Link

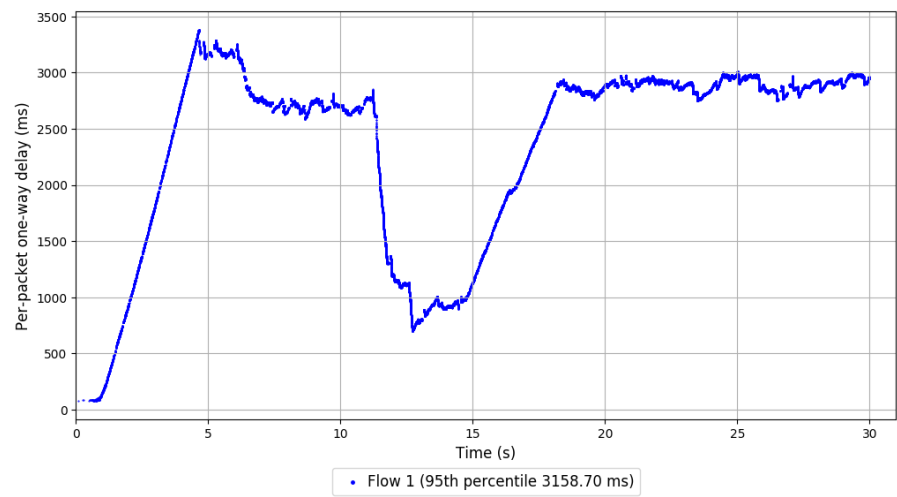
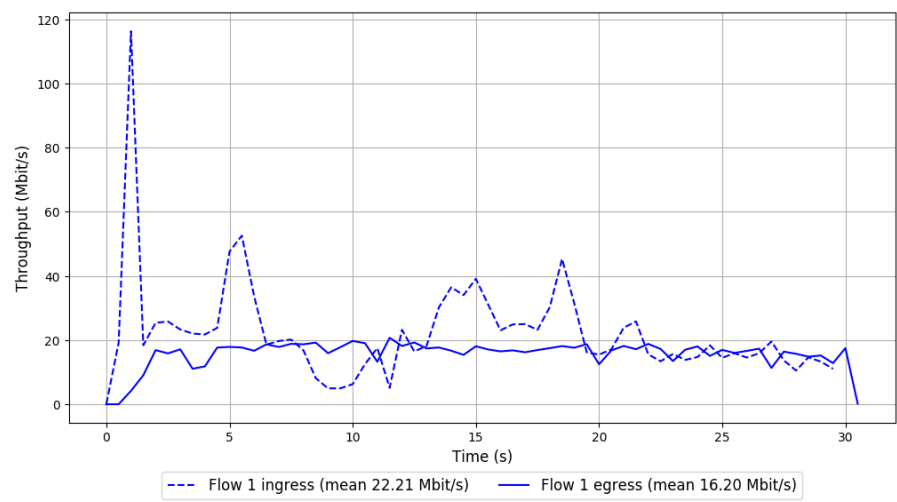


Run 7: Statistics of FillP

Start at: 2018-05-24 02:07:25
End at: 2018-05-24 02:07:55
Local clock offset: 2.897 ms
Remote clock offset: -0.401 ms

Below is generated by plot.py at 2018-05-24 03:15:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.20 Mbit/s
95th percentile per-packet one-way delay: 3158.705 ms
Loss rate: 27.13%
-- Flow 1:
Average throughput: 16.20 Mbit/s
95th percentile per-packet one-way delay: 3158.705 ms
Loss rate: 27.13%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-24 02:27:35

End at: 2018-05-24 02:28:05

Local clock offset: 2.486 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2018-05-24 03:15:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.38 Mbit/s

95th percentile per-packet one-way delay: 2740.184 ms

Loss rate: 43.65%

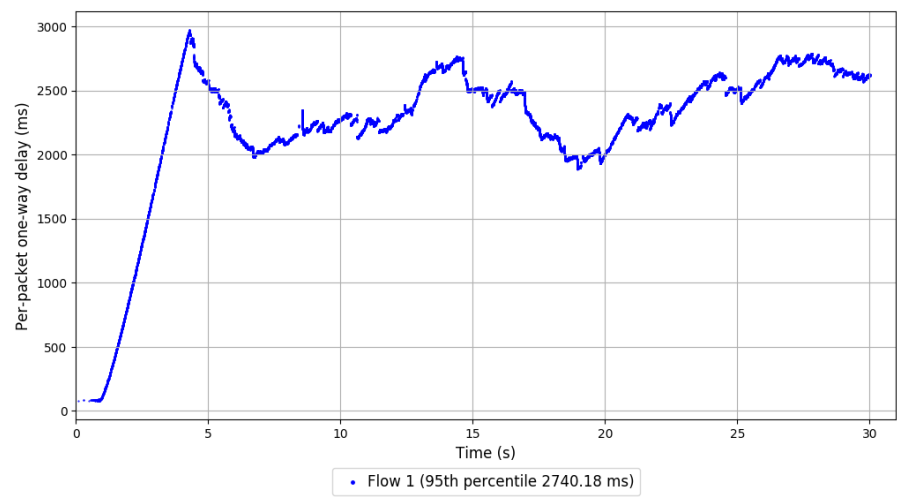
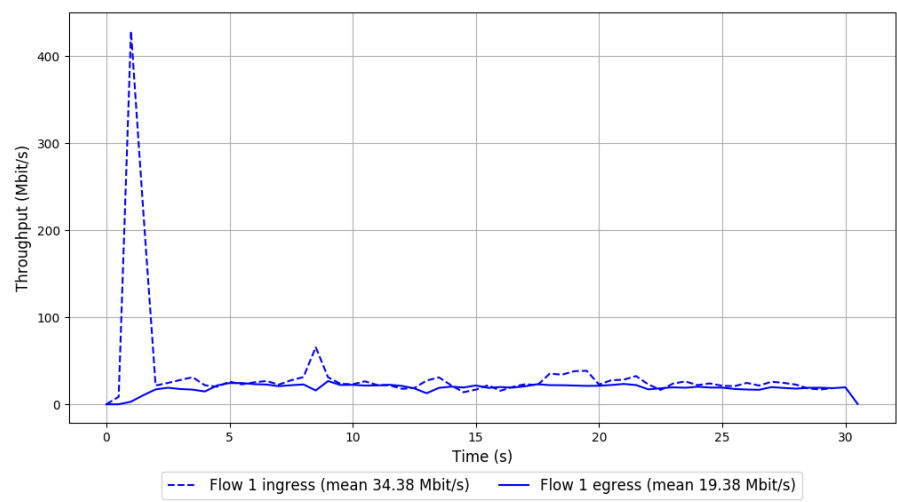
-- Flow 1:

Average throughput: 19.38 Mbit/s

95th percentile per-packet one-way delay: 2740.184 ms

Loss rate: 43.65%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-24 02:47:47

End at: 2018-05-24 02:48:17

Local clock offset: 2.377 ms

Remote clock offset: 0.521 ms

Below is generated by plot.py at 2018-05-24 03:15:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.11 Mbit/s

95th percentile per-packet one-way delay: 2103.144 ms

Loss rate: 41.14%

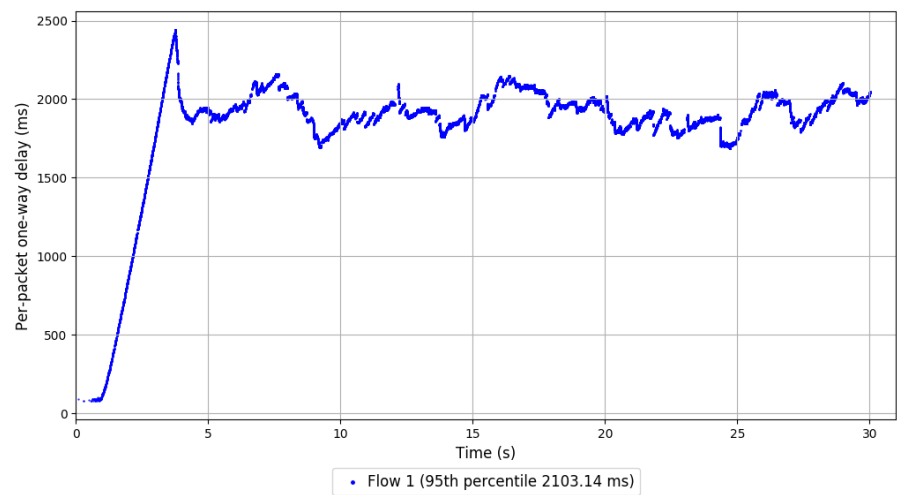
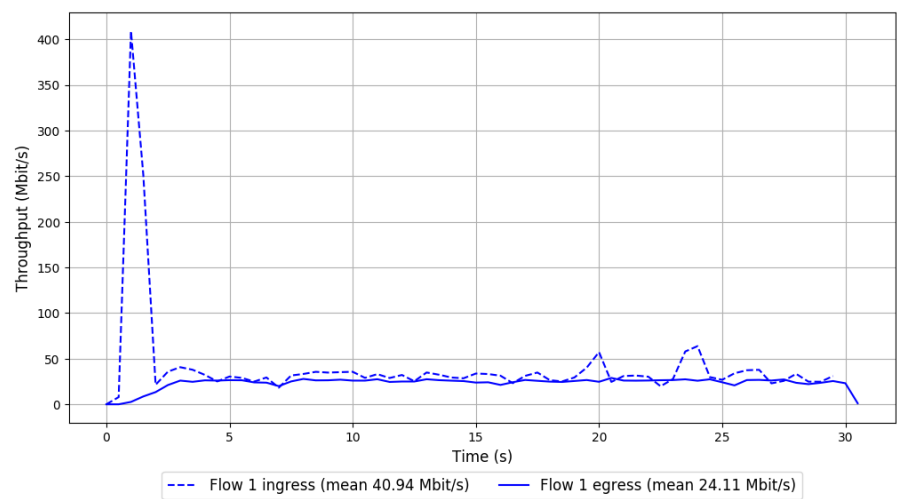
-- Flow 1:

Average throughput: 24.11 Mbit/s

95th percentile per-packet one-way delay: 2103.144 ms

Loss rate: 41.14%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-24 03:07:59

End at: 2018-05-24 03:08:29

Local clock offset: 3.451 ms

Remote clock offset: 0.83 ms

Below is generated by plot.py at 2018-05-24 03:15:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.34 Mbit/s

95th percentile per-packet one-way delay: 3305.847 ms

Loss rate: 51.32%

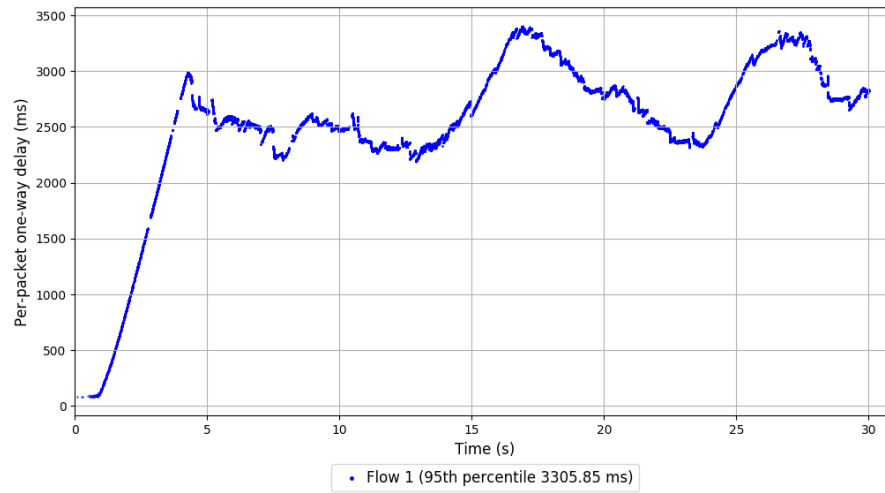
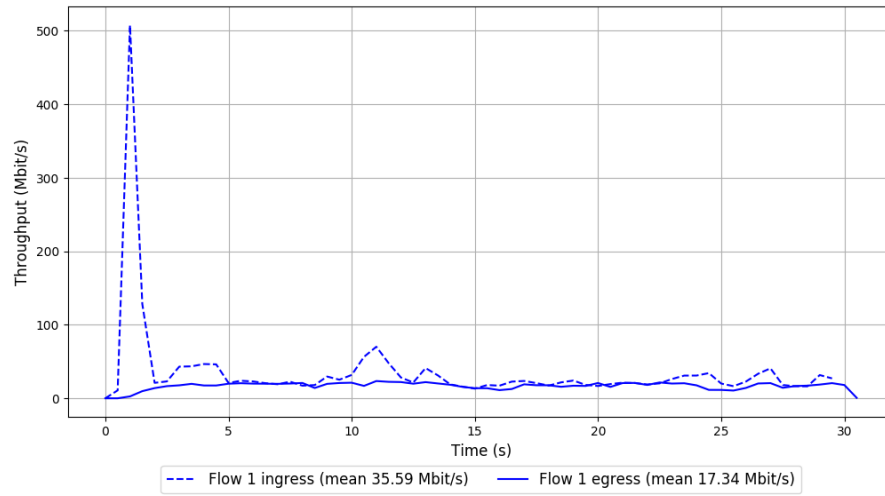
-- Flow 1:

Average throughput: 17.34 Mbit/s

95th percentile per-packet one-way delay: 3305.847 ms

Loss rate: 51.32%

Run 10: Report of FillP — Data Link

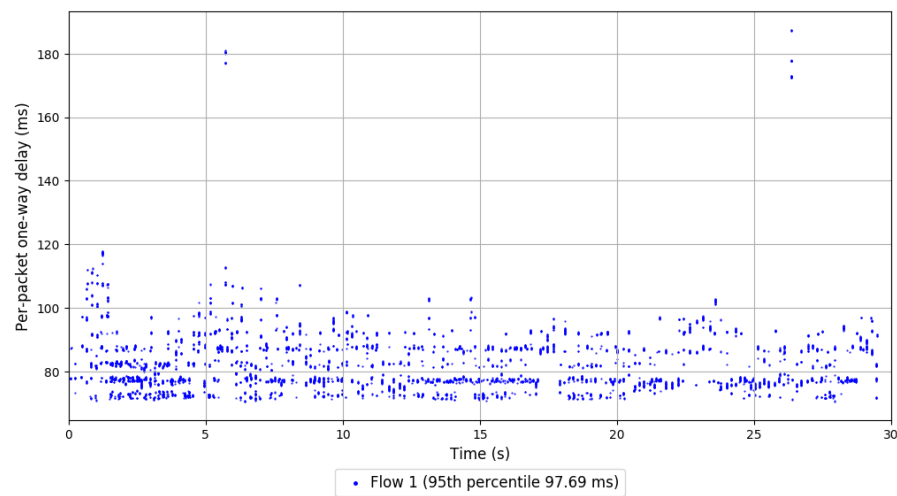
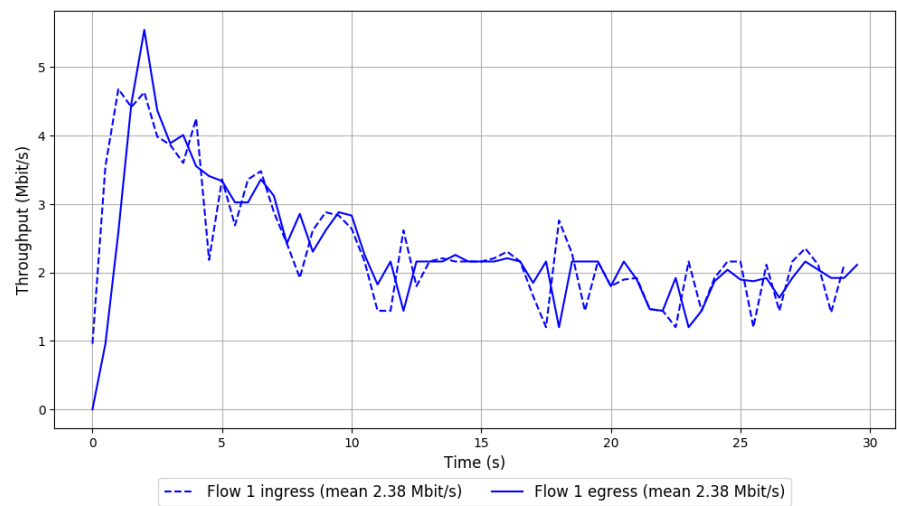


Run 1: Statistics of Indigo

Start at: 2018-05-24 00:04:51
End at: 2018-05-24 00:05:21
Local clock offset: 0.175 ms
Remote clock offset: -0.674 ms

Below is generated by plot.py at 2018-05-24 03:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 97.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 97.690 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

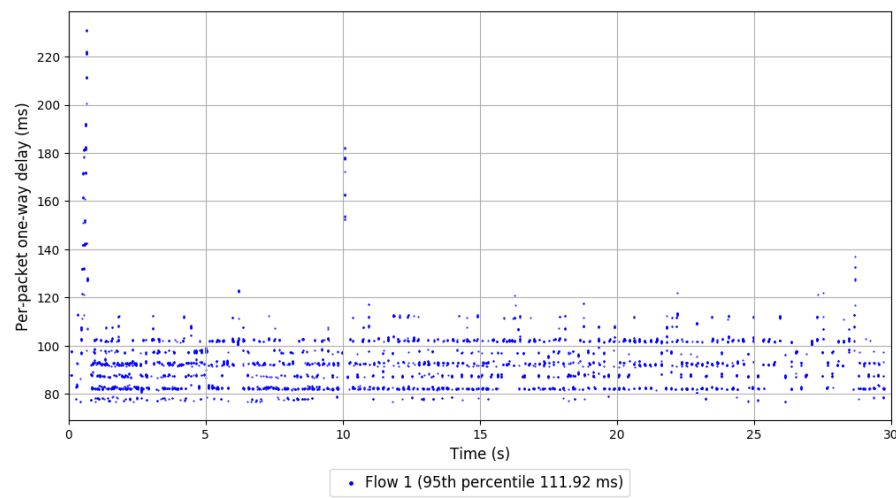
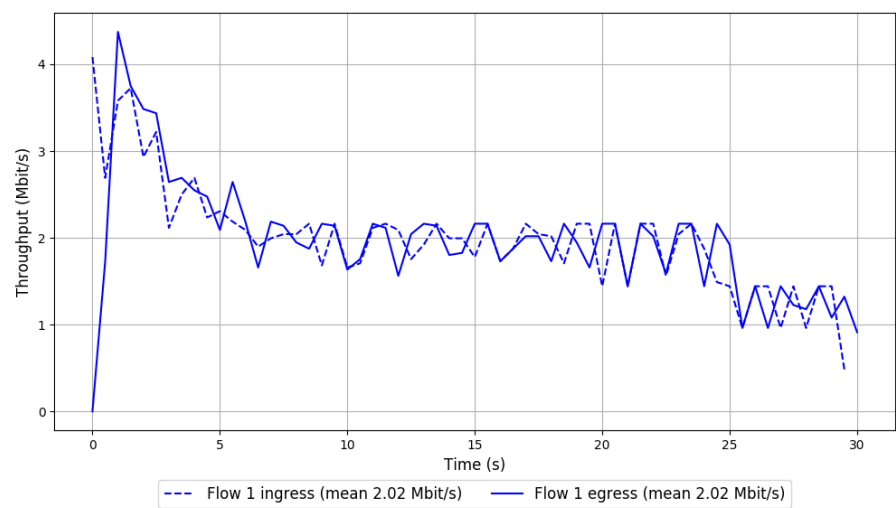


Run 2: Statistics of Indigo

Start at: 2018-05-24 00:25:03
End at: 2018-05-24 00:25:33
Local clock offset: -4.329 ms
Remote clock offset: -1.341 ms

Below is generated by plot.py at 2018-05-24 03:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 111.920 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 111.920 ms
Loss rate: 0.04%

Run 2: Report of Indigo — Data Link

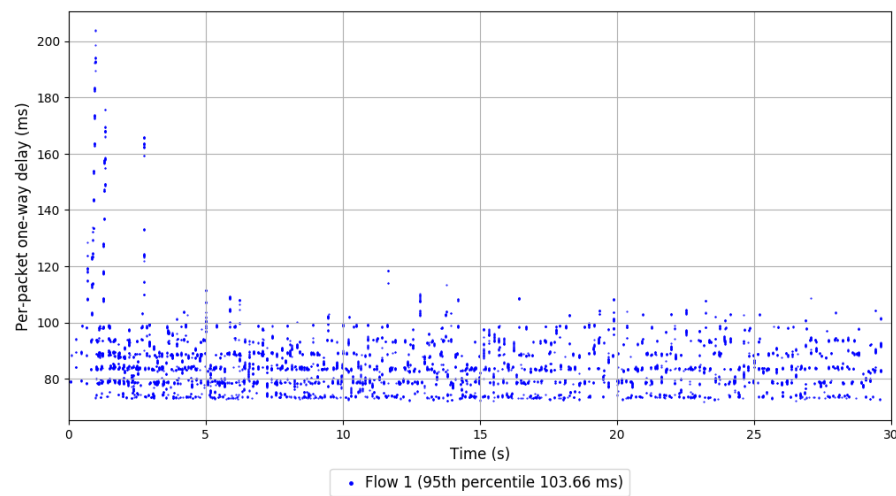
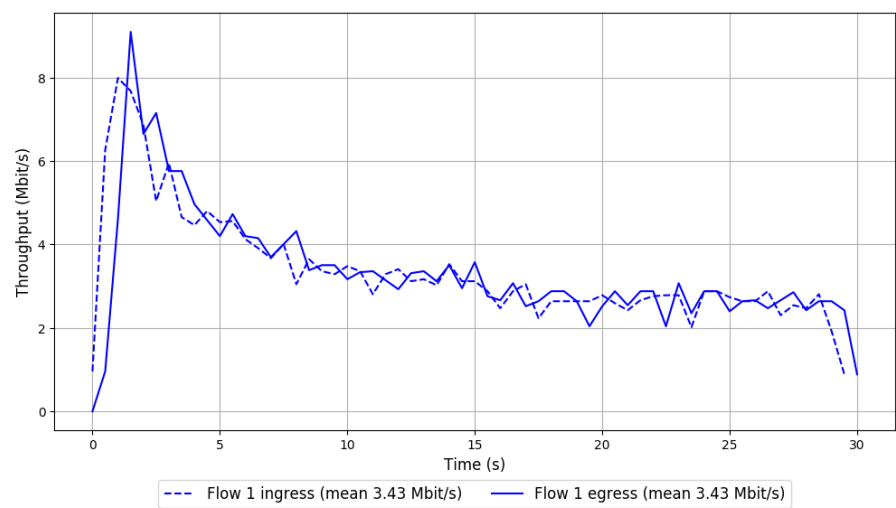


Run 3: Statistics of Indigo

Start at: 2018-05-24 00:45:14
End at: 2018-05-24 00:45:44
Local clock offset: 2.059 ms
Remote clock offset: -0.359 ms

Below is generated by plot.py at 2018-05-24 03:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 103.660 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 103.660 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

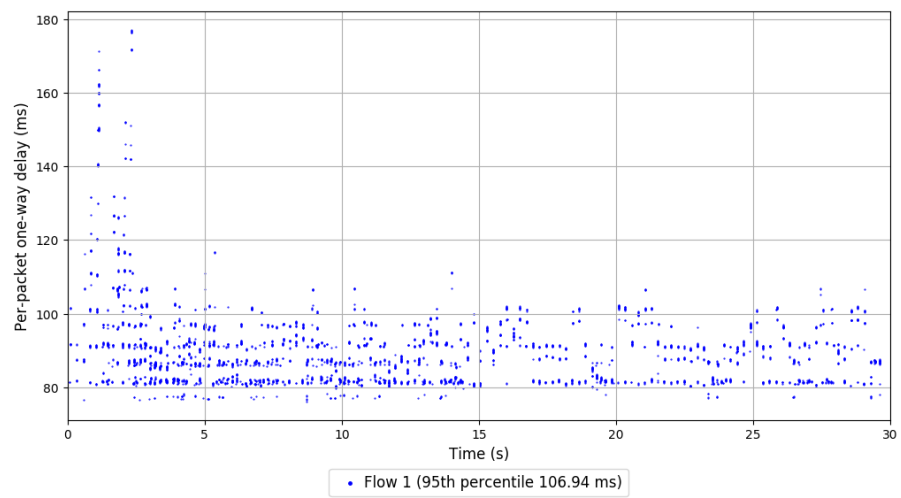
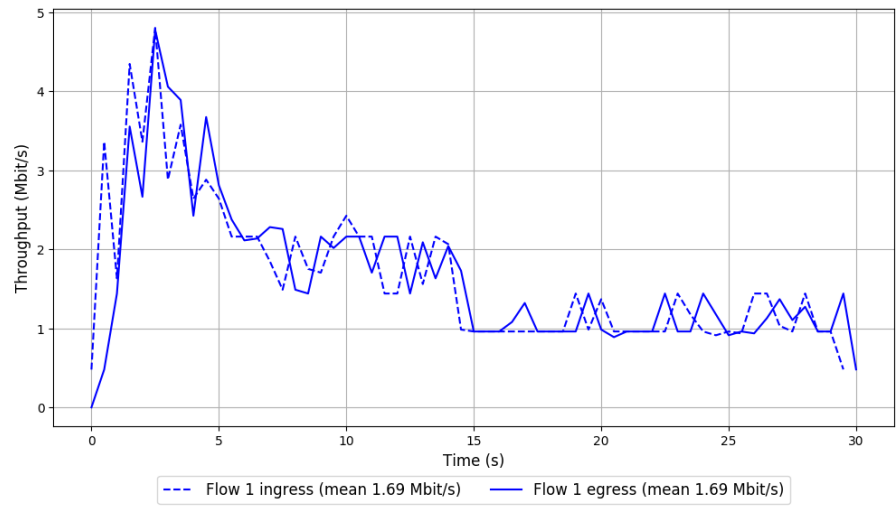


Run 4: Statistics of Indigo

Start at: 2018-05-24 01:05:27
End at: 2018-05-24 01:05:57
Local clock offset: 3.231 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-05-24 03:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.69 Mbit/s
95th percentile per-packet one-way delay: 106.940 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.69 Mbit/s
95th percentile per-packet one-way delay: 106.940 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-24 01:25:38

End at: 2018-05-24 01:26:09

Local clock offset: 3.559 ms

Remote clock offset: -0.985 ms

Below is generated by plot.py at 2018-05-24 03:15:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 103.873 ms

Loss rate: 0.00%

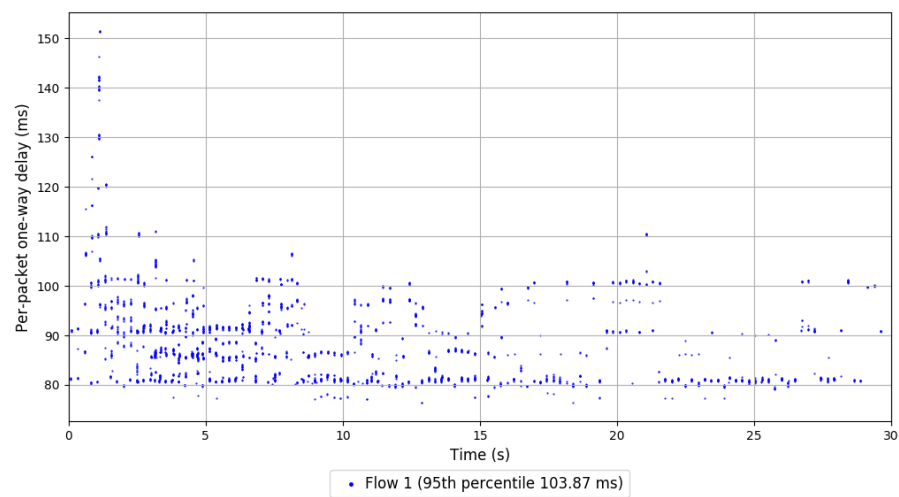
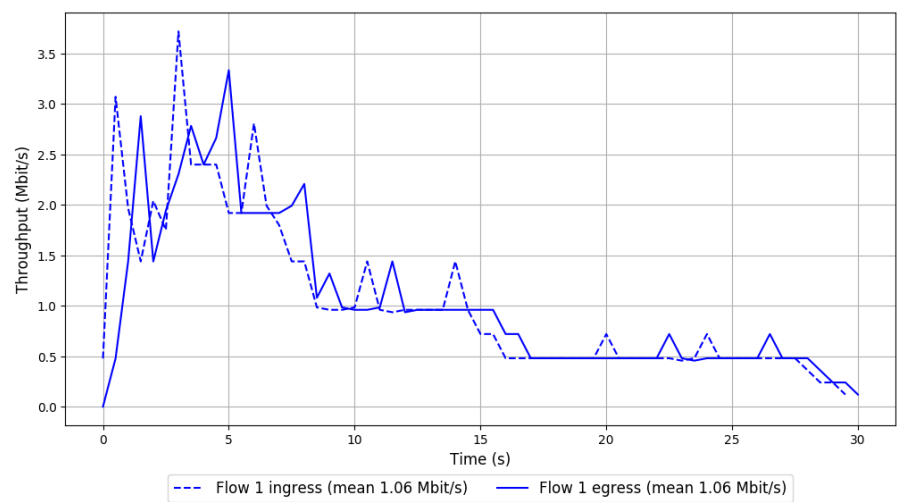
-- Flow 1:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 103.873 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-24 01:45:53

End at: 2018-05-24 01:46:23

Local clock offset: 4.393 ms

Remote clock offset: -0.614 ms

Below is generated by plot.py at 2018-05-24 03:15:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 103.865 ms

Loss rate: 0.21%

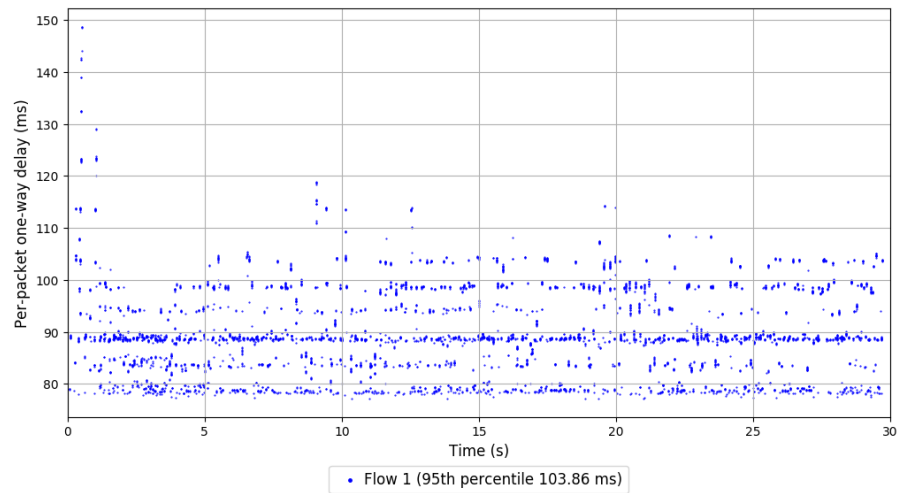
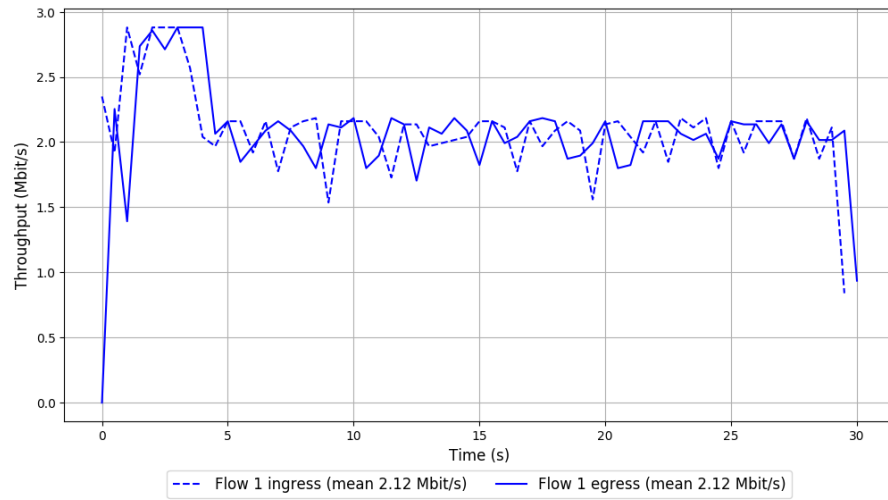
-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 103.865 ms

Loss rate: 0.21%

Run 6: Report of Indigo — Data Link

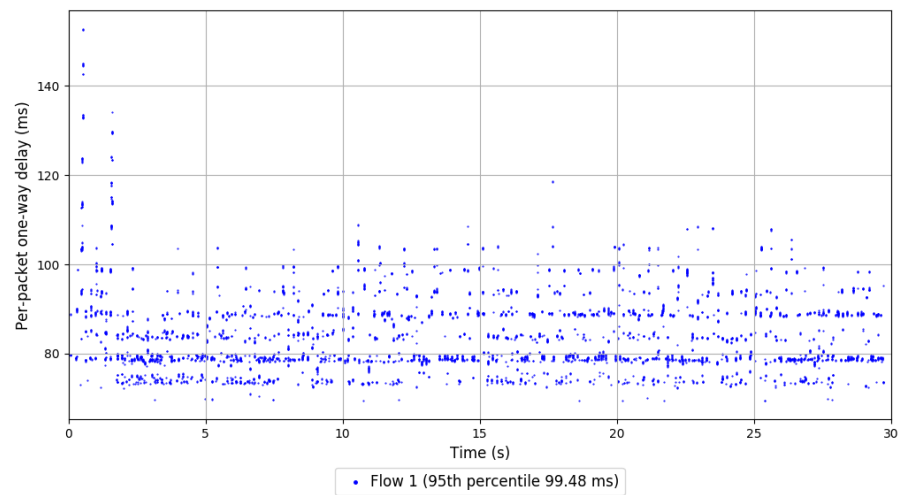
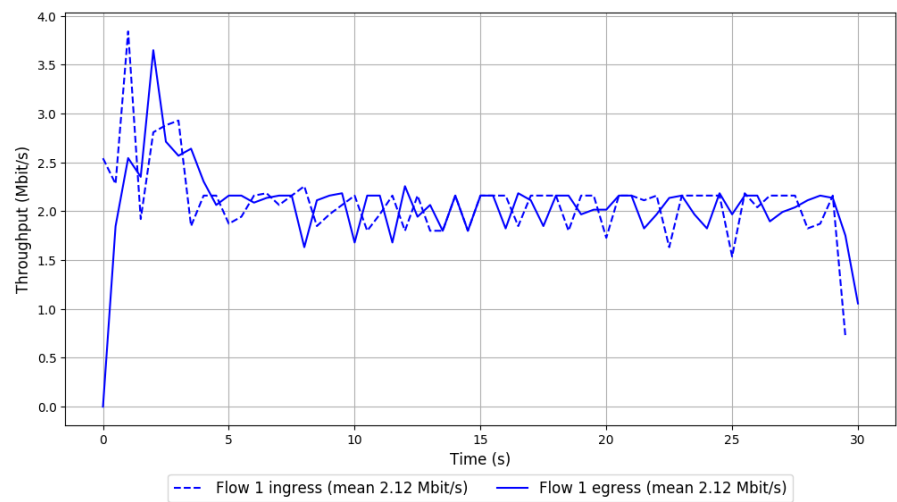


Run 7: Statistics of Indigo

Start at: 2018-05-24 02:06:10
End at: 2018-05-24 02:06:40
Local clock offset: 2.896 ms
Remote clock offset: -0.454 ms

Below is generated by plot.py at 2018-05-24 03:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 99.478 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 99.478 ms
Loss rate: 0.06%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-24 02:26:20

End at: 2018-05-24 02:26:50

Local clock offset: 2.368 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2018-05-24 03:15:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 100.965 ms

Loss rate: 0.16%

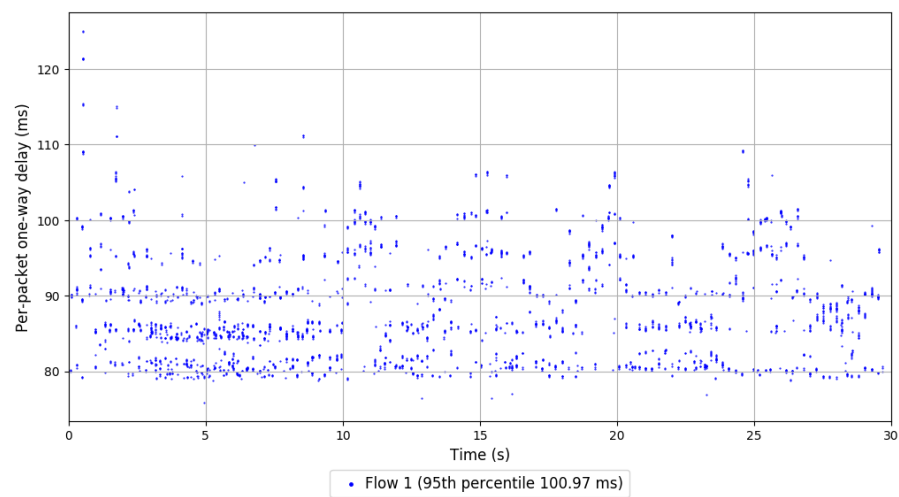
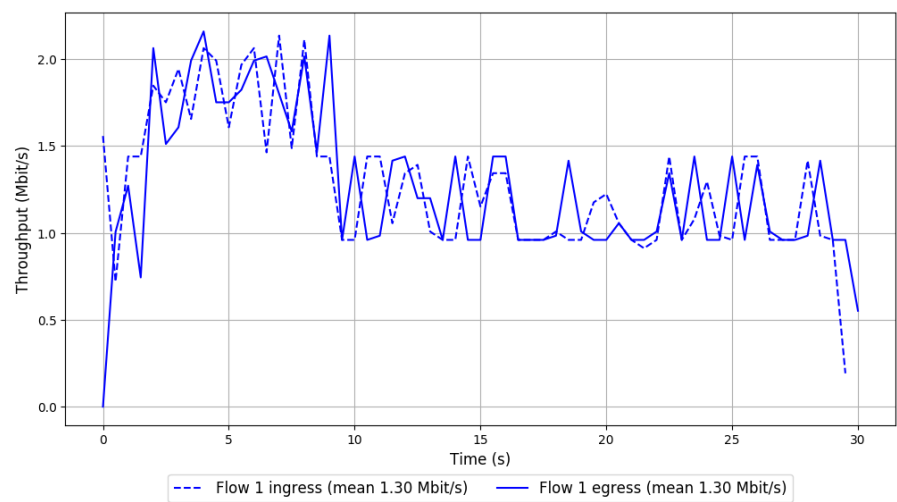
-- Flow 1:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 100.965 ms

Loss rate: 0.16%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-24 02:46:31

End at: 2018-05-24 02:47:01

Local clock offset: 2.377 ms

Remote clock offset: 0.405 ms

Below is generated by plot.py at 2018-05-24 03:15:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 102.960 ms

Loss rate: 0.44%

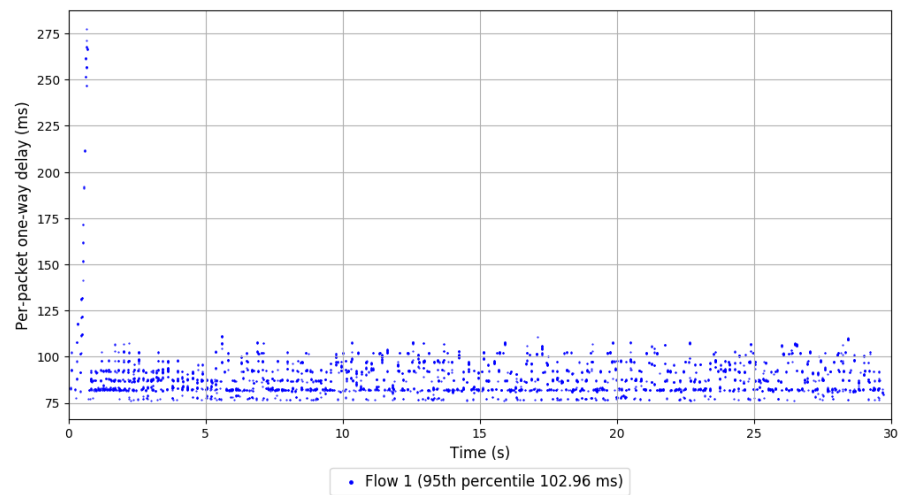
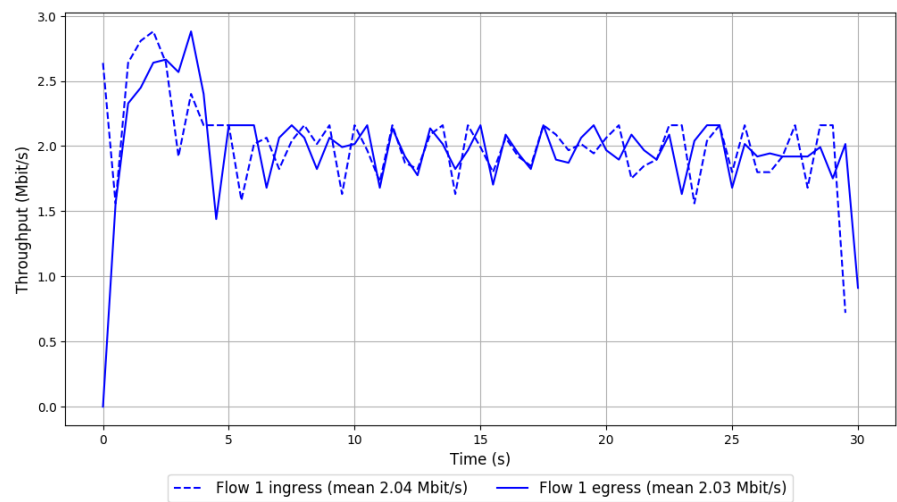
-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 102.960 ms

Loss rate: 0.44%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-24 03:06:43

End at: 2018-05-24 03:07:13

Local clock offset: 3.422 ms

Remote clock offset: 0.848 ms

Below is generated by plot.py at 2018-05-24 03:15:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 112.330 ms

Loss rate: 0.00%

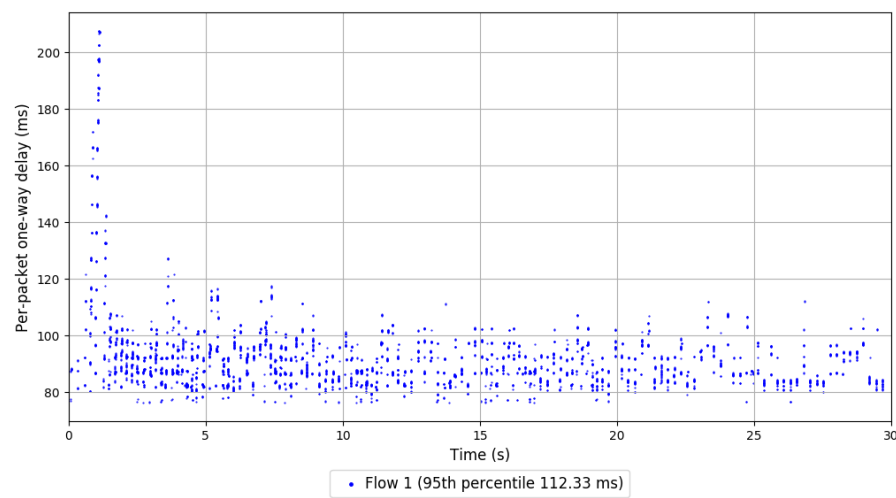
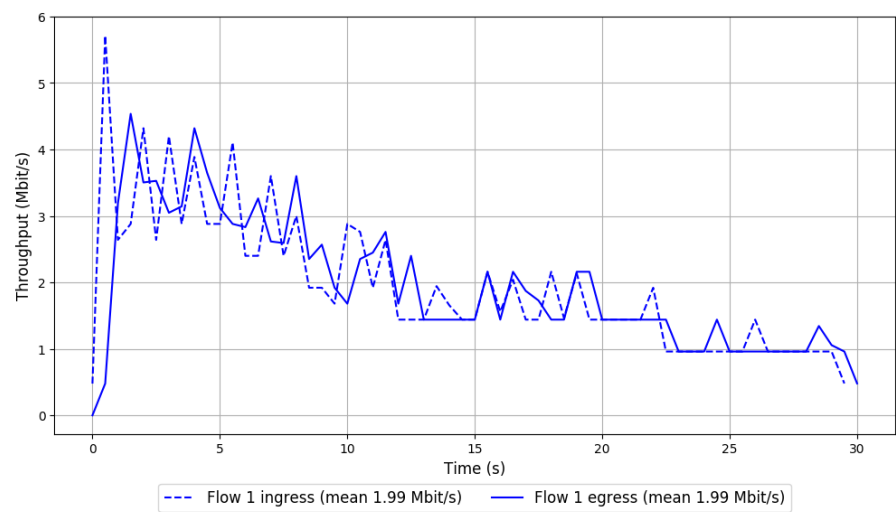
-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 112.330 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

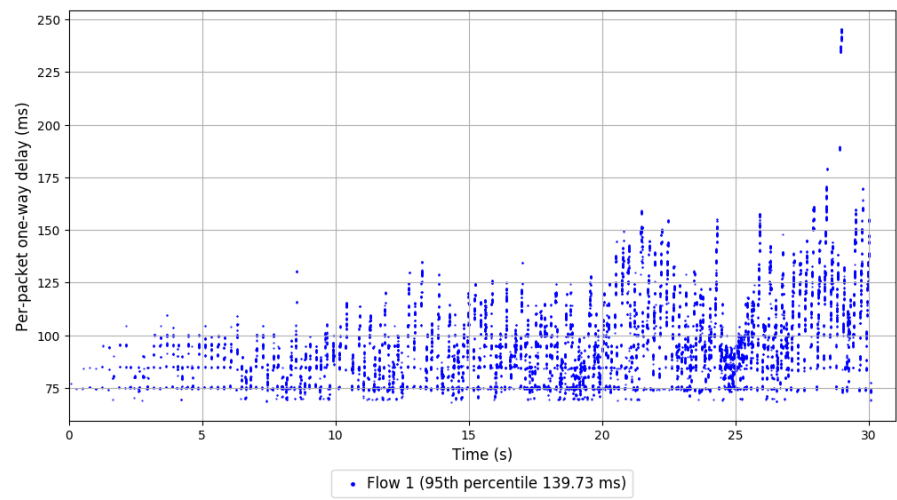
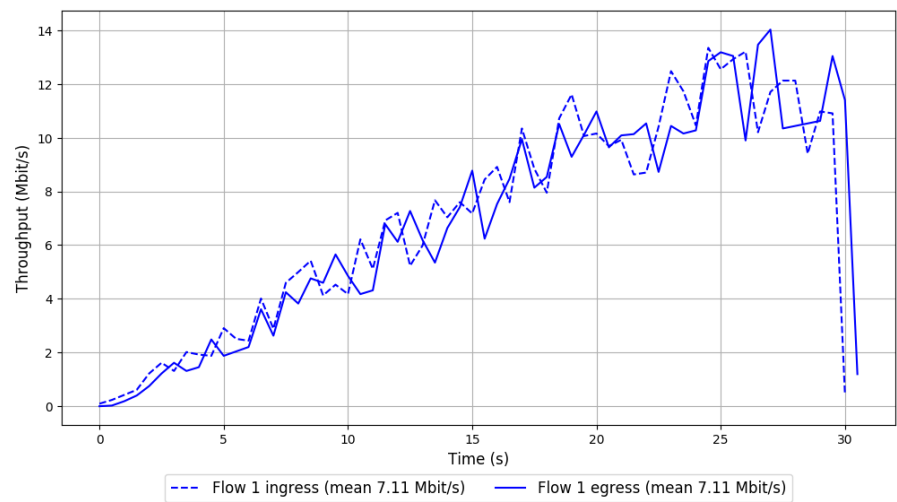


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-24 00:01:05
End at: 2018-05-24 00:01:35
Local clock offset: 2.881 ms
Remote clock offset: -0.415 ms

# Below is generated by plot.py at 2018-05-24 03:15:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 139.732 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 139.732 ms
Loss rate: 0.02%
```

Run 1: Report of LEDBAT — Data Link

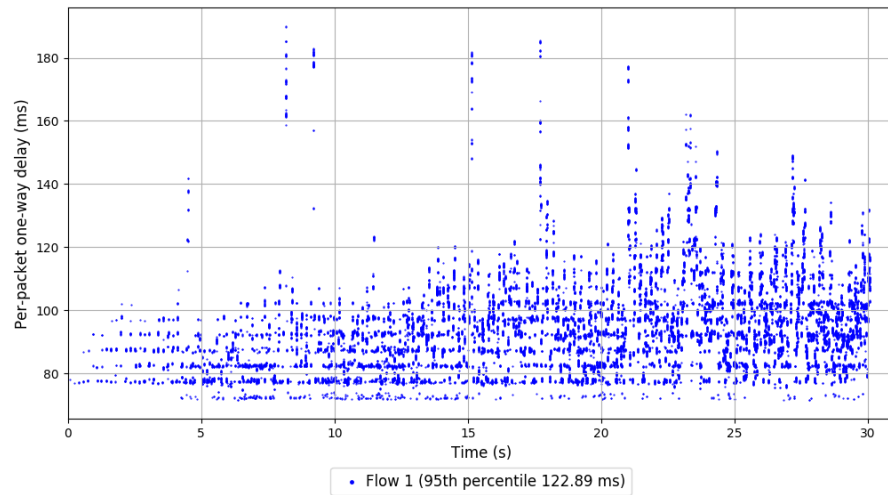
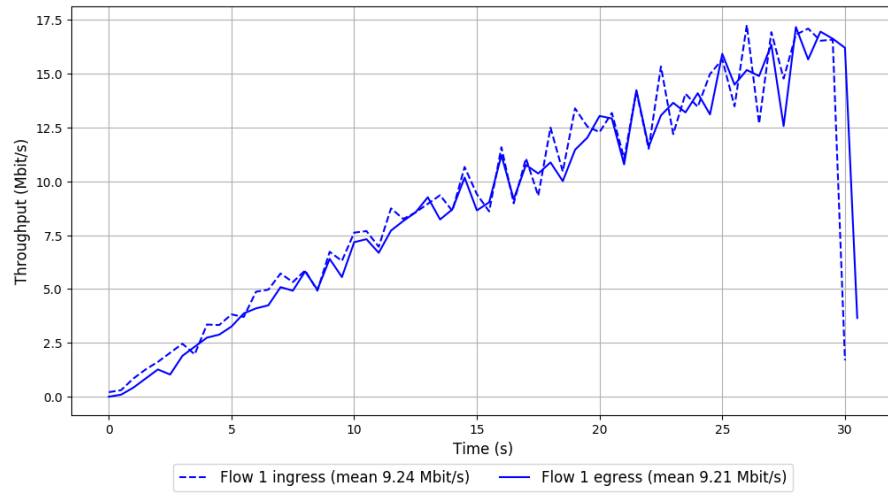


Run 2: Statistics of LEDBAT

Start at: 2018-05-24 00:21:16
End at: 2018-05-24 00:21:46
Local clock offset: -4.098 ms
Remote clock offset: -1.295 ms

Below is generated by plot.py at 2018-05-24 03:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.21 Mbit/s
95th percentile per-packet one-way delay: 122.895 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 9.21 Mbit/s
95th percentile per-packet one-way delay: 122.895 ms
Loss rate: 0.38%

Run 2: Report of LEDBAT — Data Link

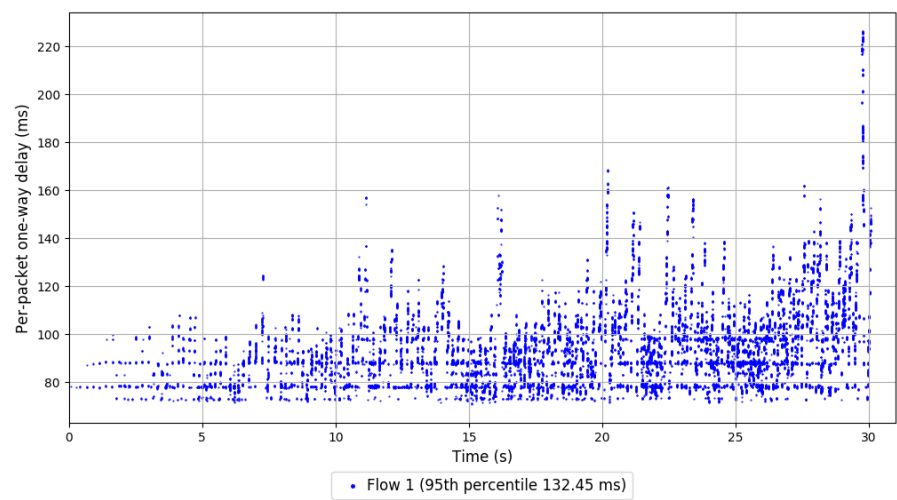
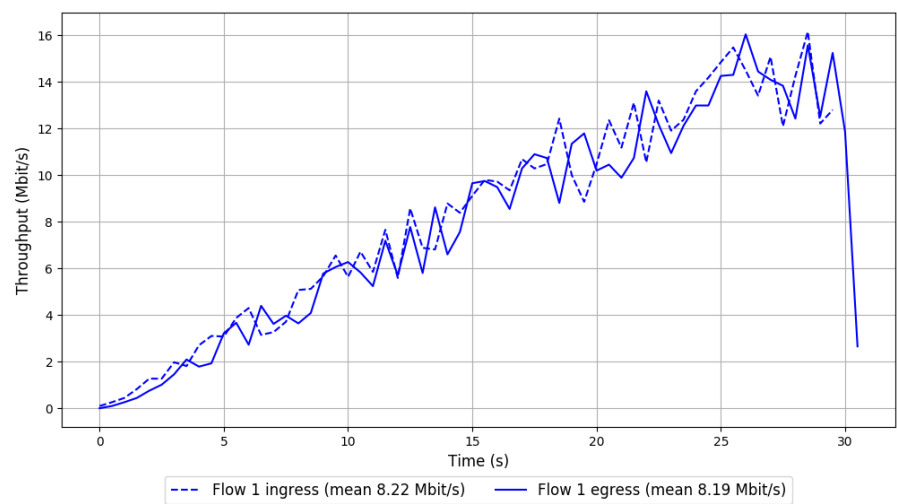


Run 3: Statistics of LEDBAT

Start at: 2018-05-24 00:41:27
End at: 2018-05-24 00:41:57
Local clock offset: 1.585 ms
Remote clock offset: -0.533 ms

Below is generated by plot.py at 2018-05-24 03:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.19 Mbit/s
95th percentile per-packet one-way delay: 132.450 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 8.19 Mbit/s
95th percentile per-packet one-way delay: 132.450 ms
Loss rate: 0.14%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-24 01:01:39

End at: 2018-05-24 01:02:09

Local clock offset: 3.092 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-05-24 03:15:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.53 Mbit/s

95th percentile per-packet one-way delay: 138.801 ms

Loss rate: 0.22%

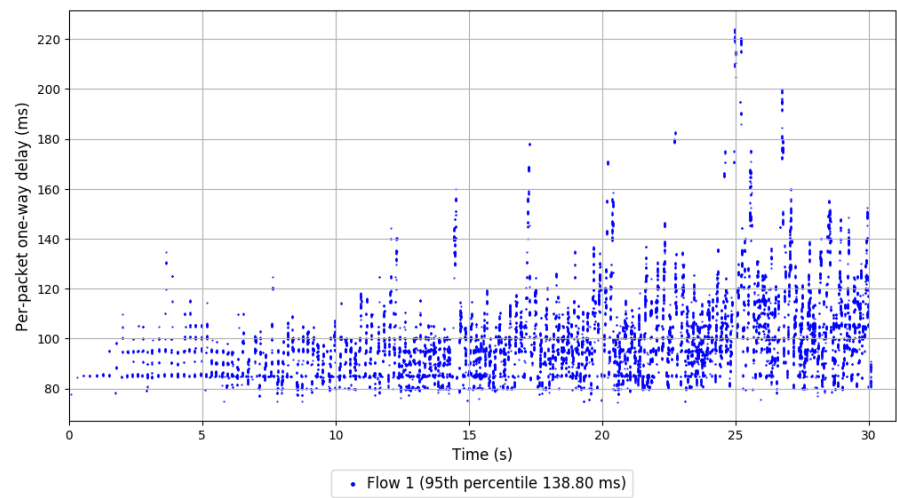
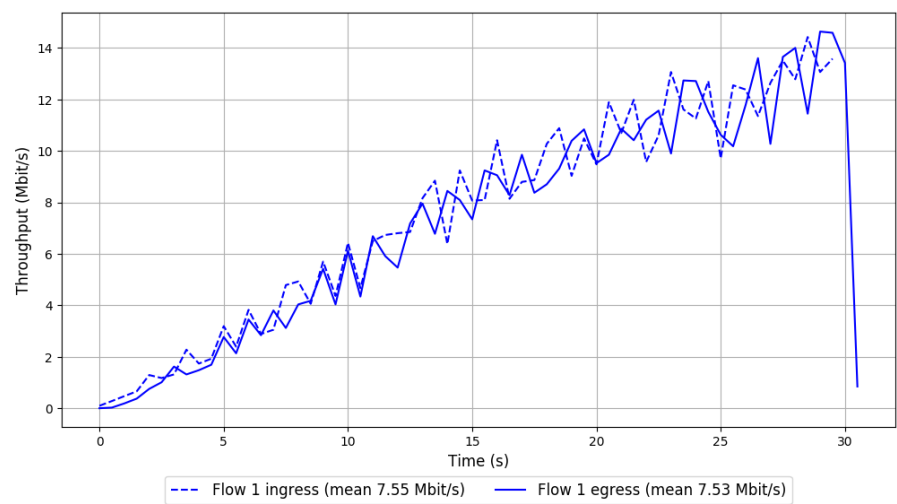
-- Flow 1:

Average throughput: 7.53 Mbit/s

95th percentile per-packet one-way delay: 138.801 ms

Loss rate: 0.22%

Run 4: Report of LEDBAT — Data Link

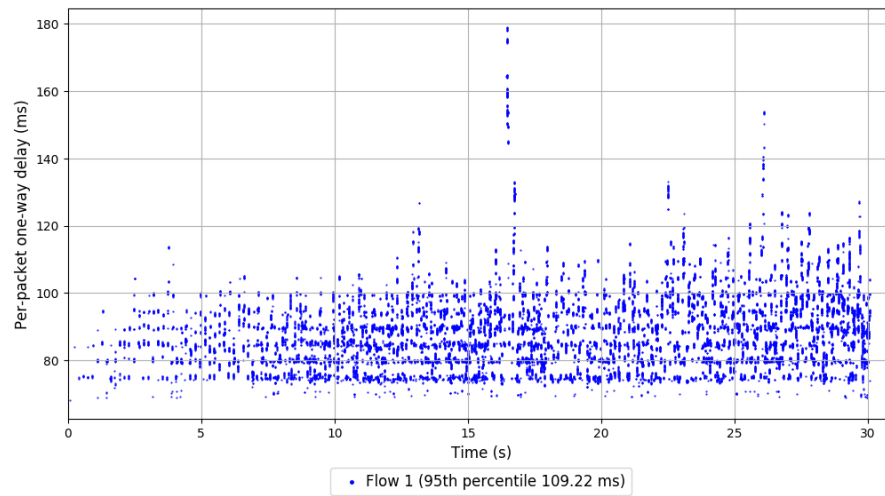
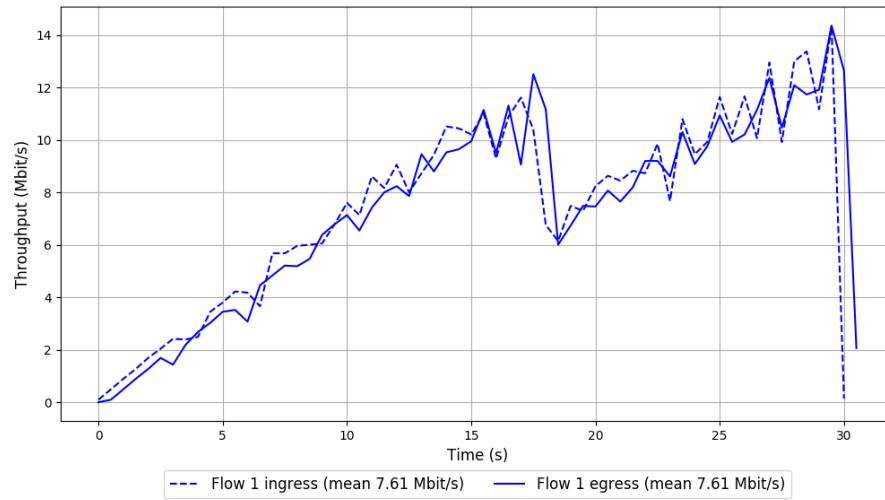


Run 5: Statistics of LEDBAT

Start at: 2018-05-24 01:21:51
End at: 2018-05-24 01:22:21
Local clock offset: 3.421 ms
Remote clock offset: -0.863 ms

Below is generated by plot.py at 2018-05-24 03:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 109.224 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 109.224 ms
Loss rate: 0.03%

Run 5: Report of LEDBAT — Data Link

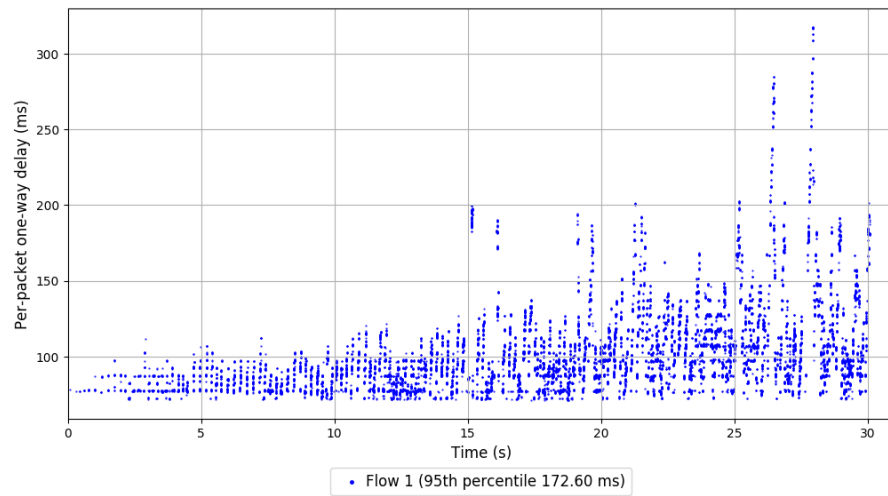
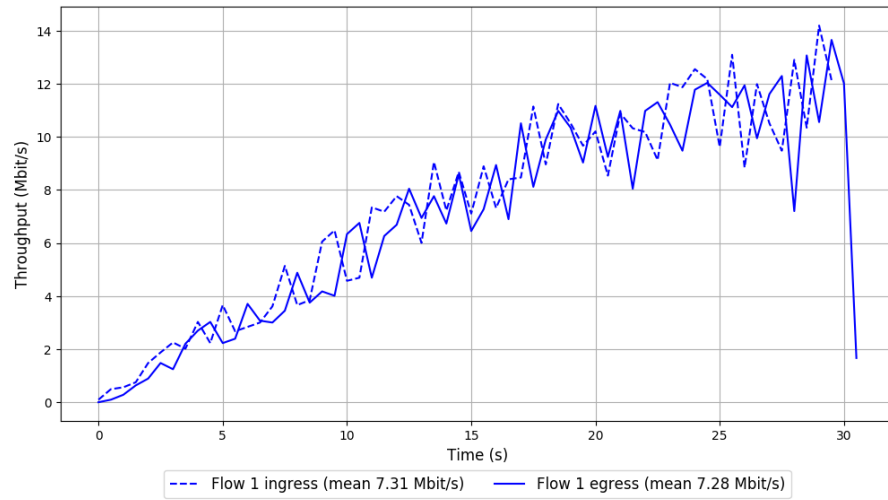


Run 6: Statistics of LEDBAT

Start at: 2018-05-24 01:42:05
End at: 2018-05-24 01:42:35
Local clock offset: 4.235 ms
Remote clock offset: -0.932 ms

Below is generated by plot.py at 2018-05-24 03:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 172.605 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 172.605 ms
Loss rate: 0.41%

Run 6: Report of LEDBAT — Data Link

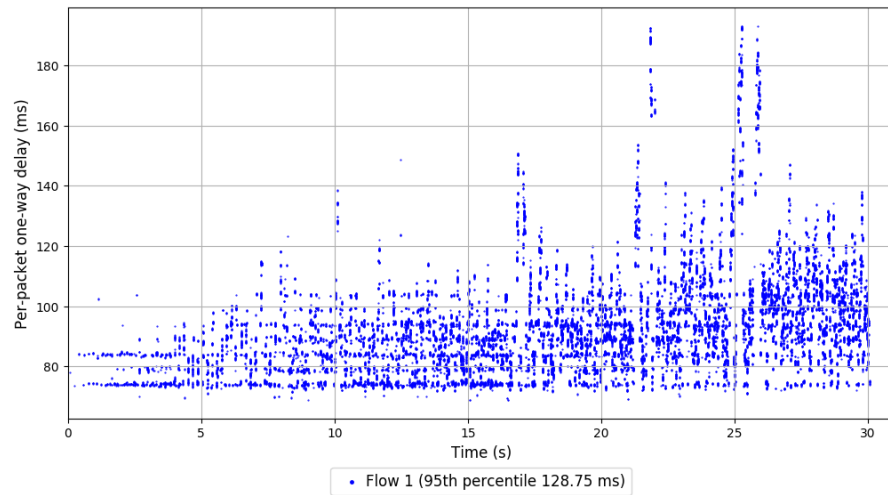
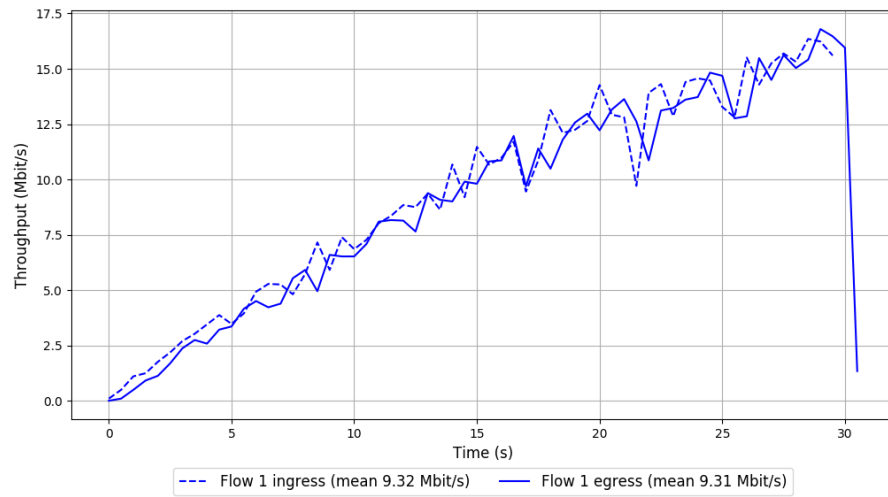


Run 7: Statistics of LEDBAT

Start at: 2018-05-24 02:02:22
End at: 2018-05-24 02:02:52
Local clock offset: 3.546 ms
Remote clock offset: -0.515 ms

Below is generated by plot.py at 2018-05-24 03:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 128.754 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 128.754 ms
Loss rate: 0.16%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-24 02:22:33

End at: 2018-05-24 02:23:03

Local clock offset: 2.526 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-24 03:15:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.57 Mbit/s

95th percentile per-packet one-way delay: 138.517 ms

Loss rate: 0.00%

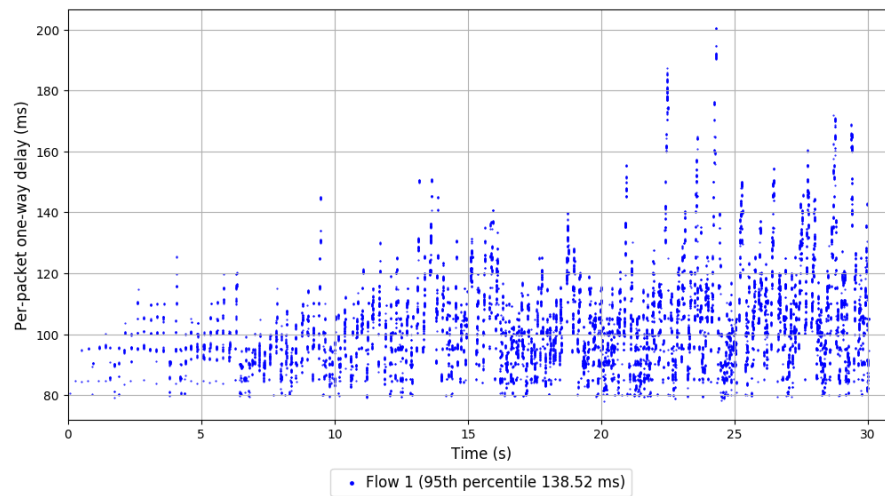
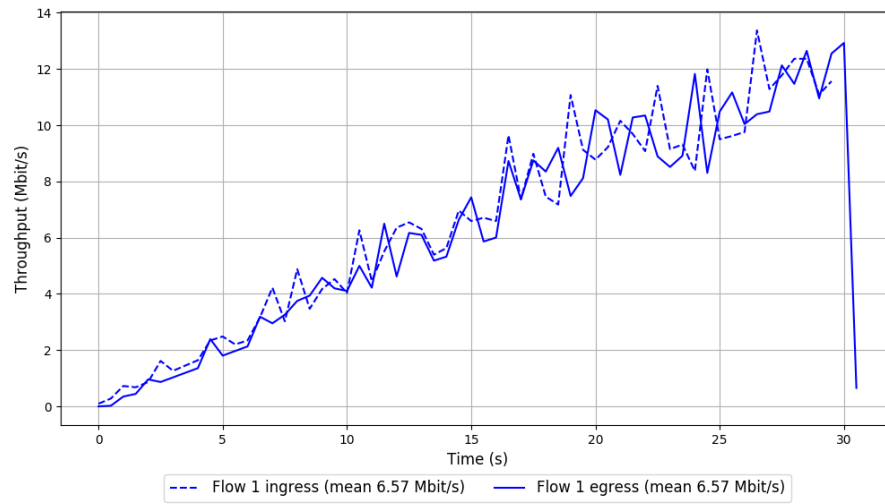
-- Flow 1:

Average throughput: 6.57 Mbit/s

95th percentile per-packet one-way delay: 138.517 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-24 02:42:44

End at: 2018-05-24 02:43:14

Local clock offset: 2.398 ms

Remote clock offset: 0.459 ms

Below is generated by plot.py at 2018-05-24 03:15:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.40 Mbit/s

95th percentile per-packet one-way delay: 122.049 ms

Loss rate: 0.08%

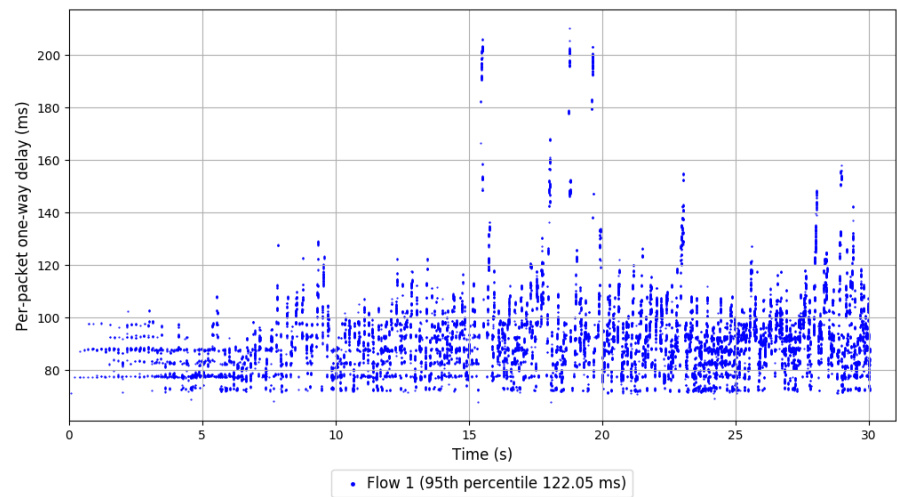
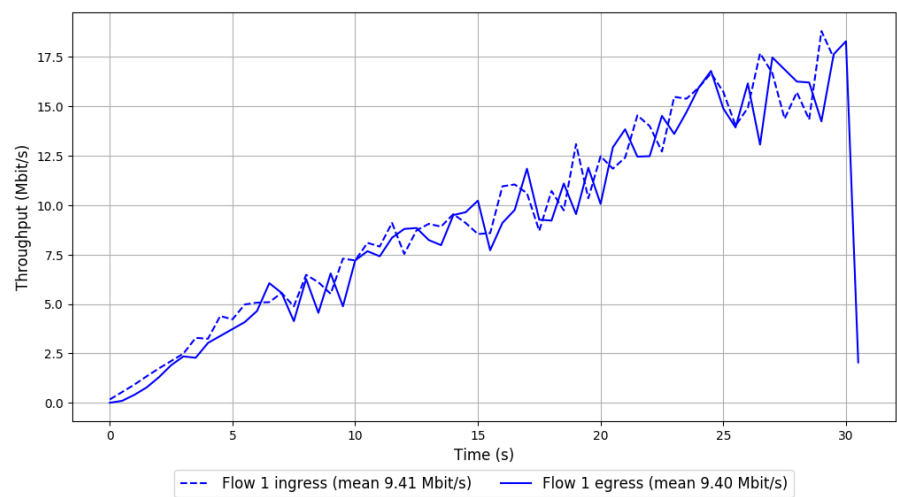
-- Flow 1:

Average throughput: 9.40 Mbit/s

95th percentile per-packet one-way delay: 122.049 ms

Loss rate: 0.08%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-24 03:02:56

End at: 2018-05-24 03:03:26

Local clock offset: 3.272 ms

Remote clock offset: 0.672 ms

Below is generated by plot.py at 2018-05-24 03:15:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.90 Mbit/s

95th percentile per-packet one-way delay: 161.101 ms

Loss rate: 0.73%

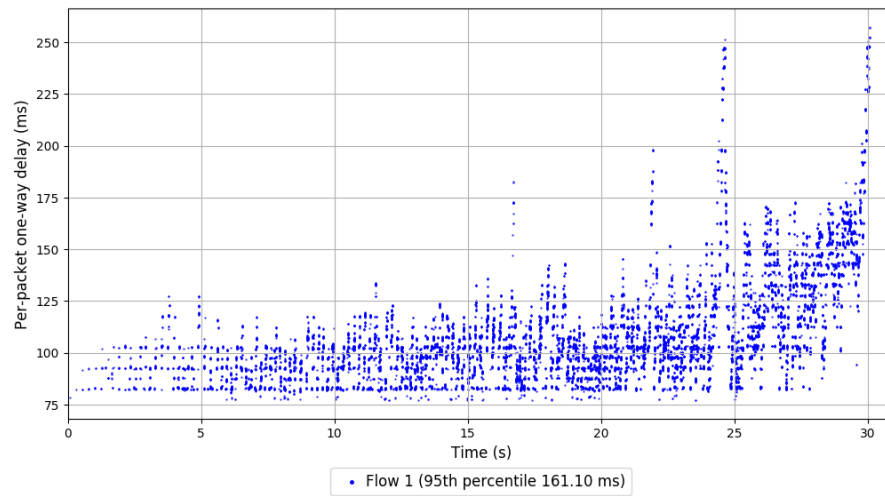
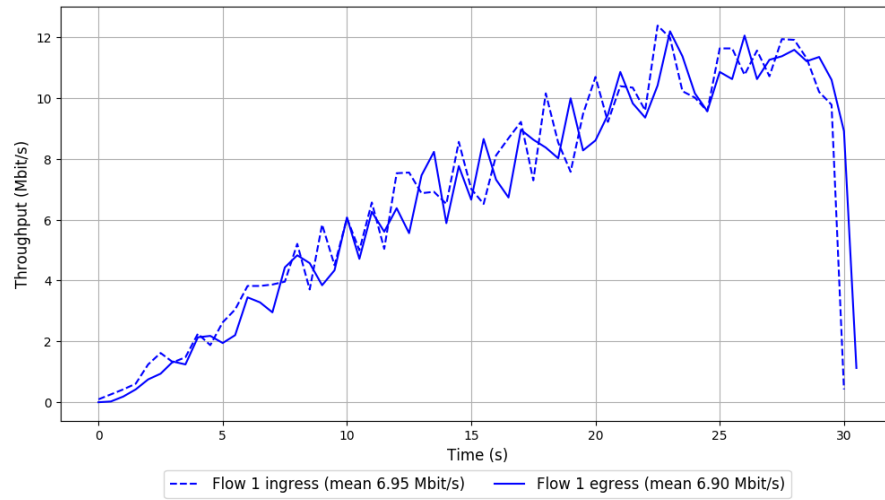
-- Flow 1:

Average throughput: 6.90 Mbit/s

95th percentile per-packet one-way delay: 161.101 ms

Loss rate: 0.73%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-23 23:56:02

End at: 2018-05-23 23:56:32

Local clock offset: 8.02 ms

Remote clock offset: 0.158 ms

Below is generated by plot.py at 2018-05-24 03:15:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.59 Mbit/s

95th percentile per-packet one-way delay: 154.047 ms

Loss rate: 0.12%

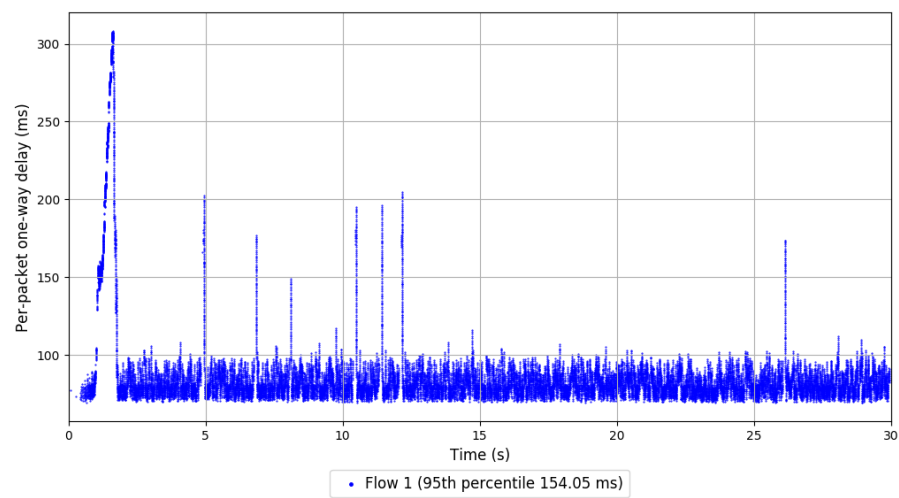
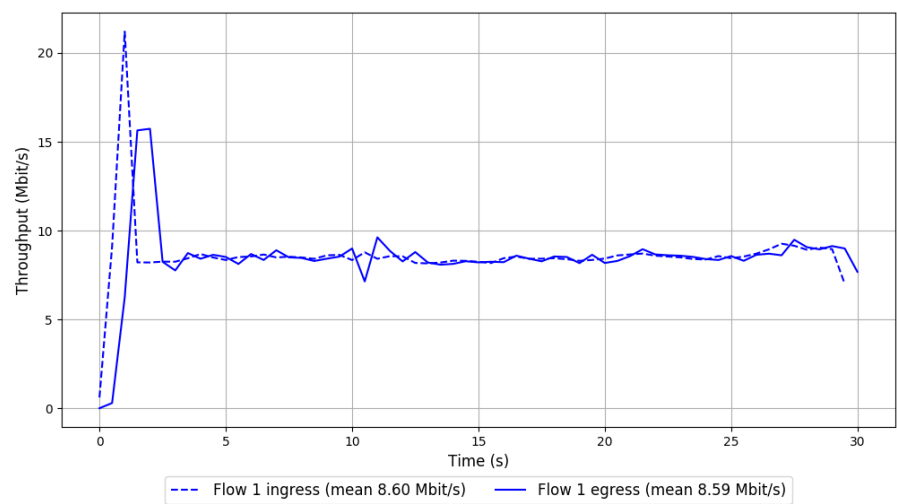
-- Flow 1:

Average throughput: 8.59 Mbit/s

95th percentile per-packet one-way delay: 154.047 ms

Loss rate: 0.12%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-24 00:16:13

End at: 2018-05-24 00:16:43

Local clock offset: -3.224 ms

Remote clock offset: -1.174 ms

Below is generated by plot.py at 2018-05-24 03:15:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.84 Mbit/s

95th percentile per-packet one-way delay: 274.494 ms

Loss rate: 0.03%

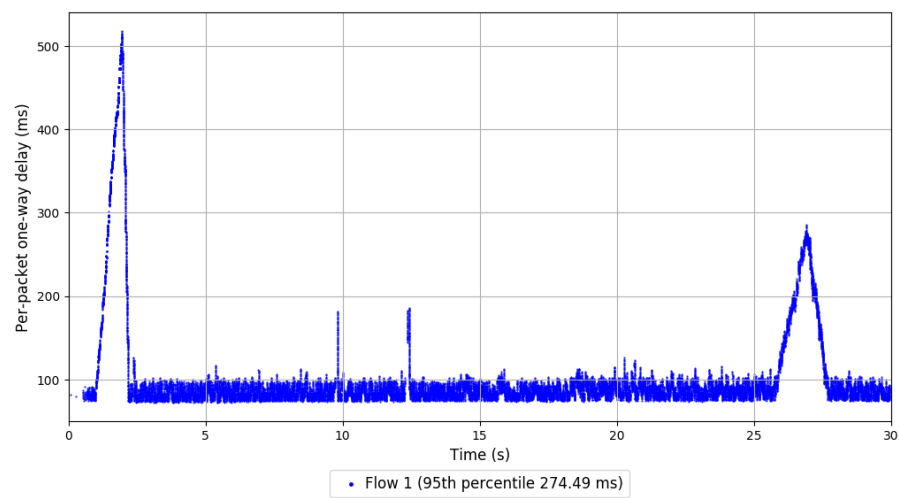
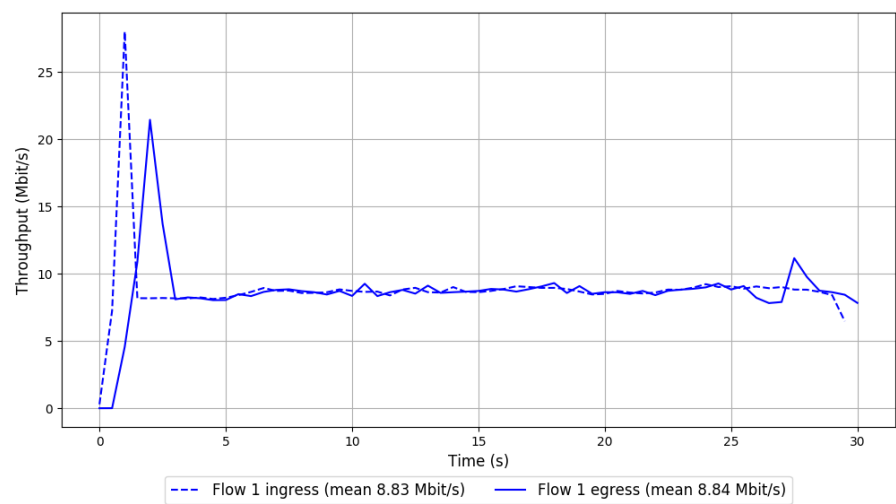
-- Flow 1:

Average throughput: 8.84 Mbit/s

95th percentile per-packet one-way delay: 274.494 ms

Loss rate: 0.03%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-24 00:36:24

End at: 2018-05-24 00:36:54

Local clock offset: 0.489 ms

Remote clock offset: -0.785 ms

Below is generated by plot.py at 2018-05-24 03:15:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.73 Mbit/s

95th percentile per-packet one-way delay: 155.572 ms

Loss rate: 0.08%

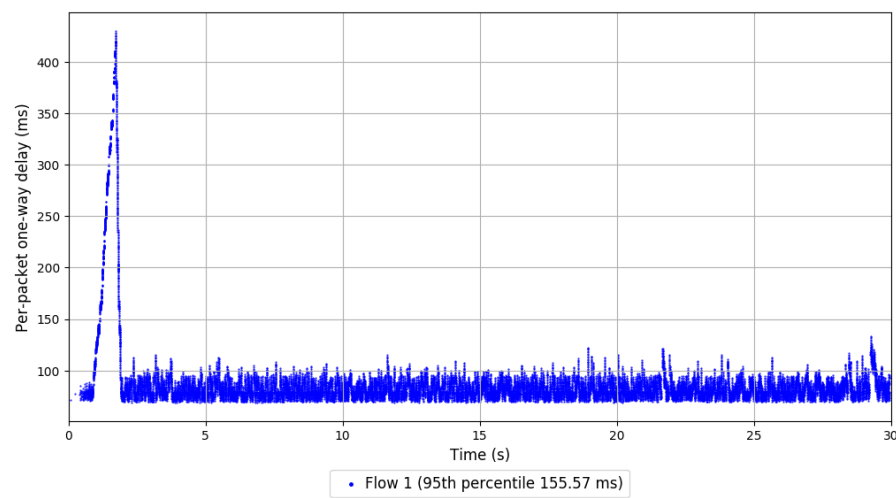
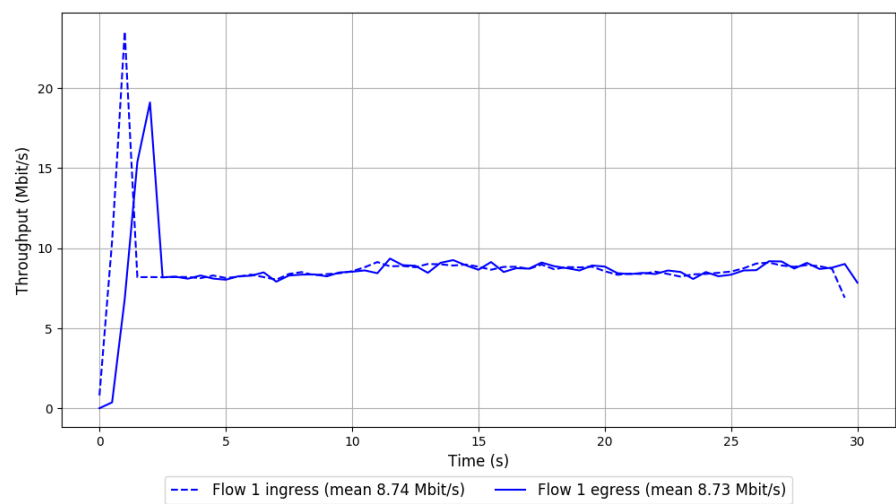
-- Flow 1:

Average throughput: 8.73 Mbit/s

95th percentile per-packet one-way delay: 155.572 ms

Loss rate: 0.08%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-24 00:56:36

End at: 2018-05-24 00:57:06

Local clock offset: 3.114 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-05-24 03:15:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.09 Mbit/s

95th percentile per-packet one-way delay: 95.463 ms

Loss rate: 0.02%

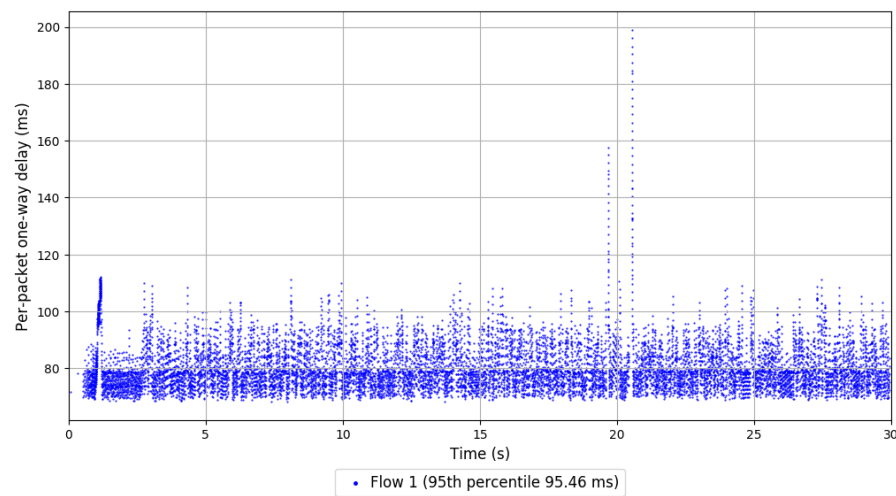
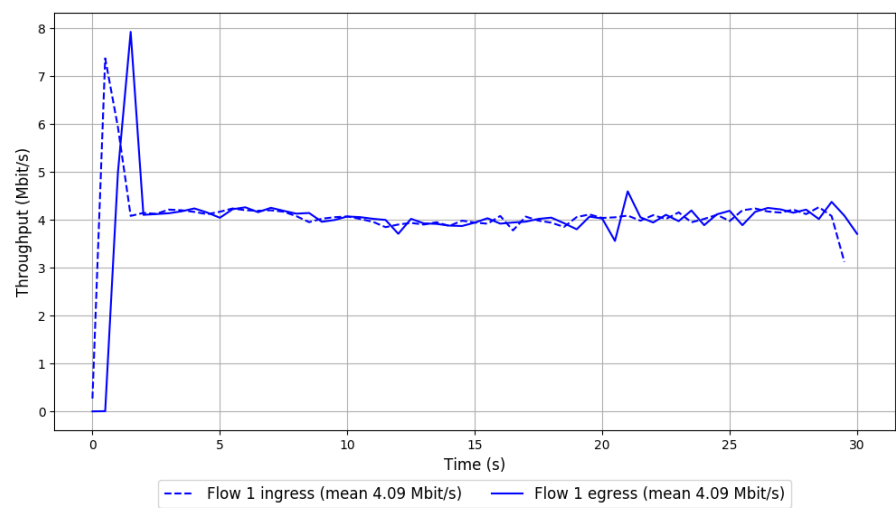
-- Flow 1:

Average throughput: 4.09 Mbit/s

95th percentile per-packet one-way delay: 95.463 ms

Loss rate: 0.02%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-24 01:16:48

End at: 2018-05-24 01:17:18

Local clock offset: 3.473 ms

Remote clock offset: -0.704 ms

Below is generated by plot.py at 2018-05-24 03:15:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.74 Mbit/s

95th percentile per-packet one-way delay: 146.051 ms

Loss rate: 0.55%

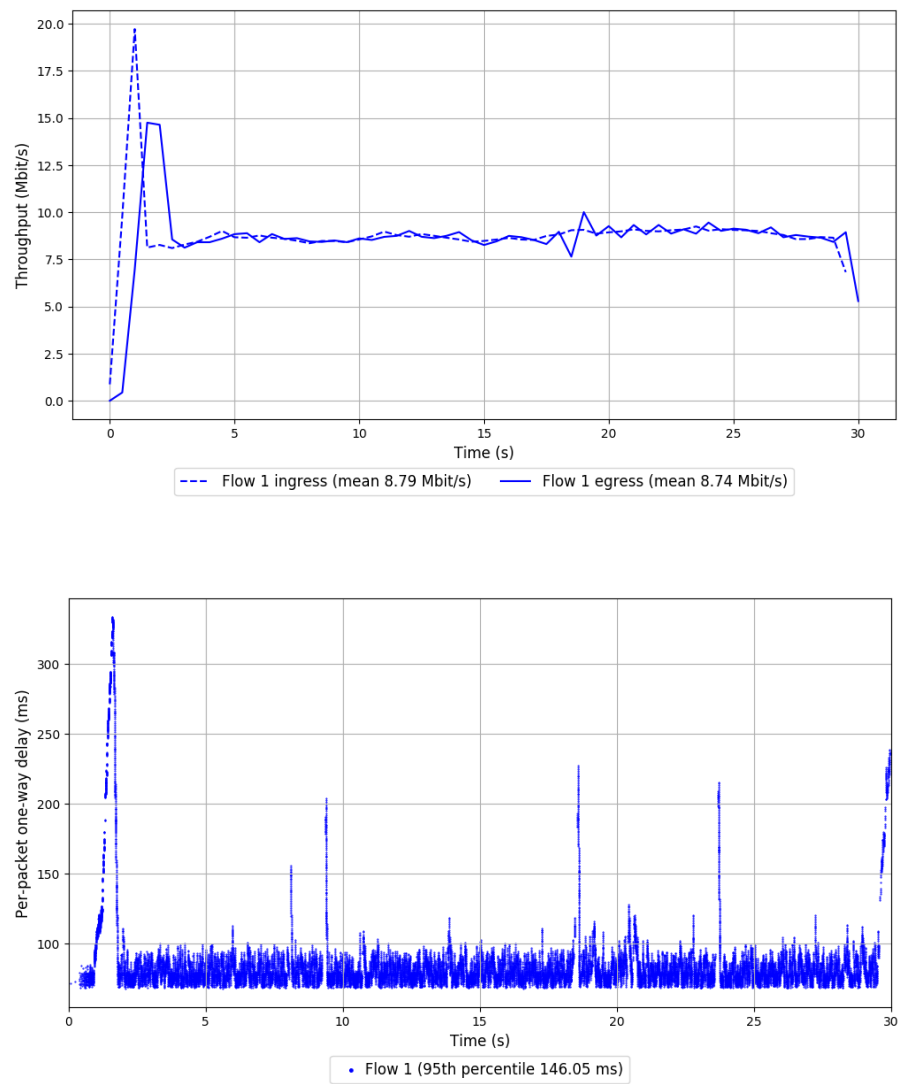
-- Flow 1:

Average throughput: 8.74 Mbit/s

95th percentile per-packet one-way delay: 146.051 ms

Loss rate: 0.55%

Run 5: Report of PCC-Allegro — Data Link

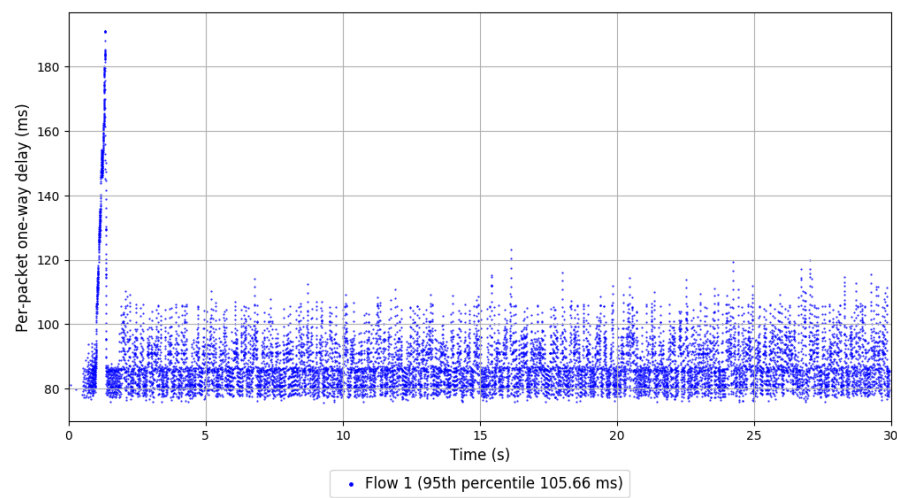
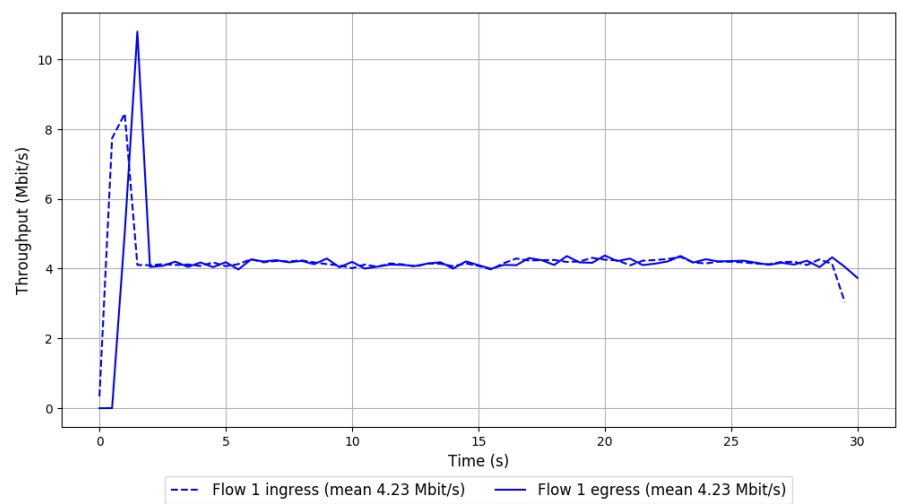


Run 6: Statistics of PCC-Allegro

Start at: 2018-05-24 01:37:01
End at: 2018-05-24 01:37:31
Local clock offset: 4.061 ms
Remote clock offset: -1.004 ms

Below is generated by plot.py at 2018-05-24 03:15:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 105.663 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 105.663 ms
Loss rate: 0.06%

Run 6: Report of PCC-Allegro — Data Link

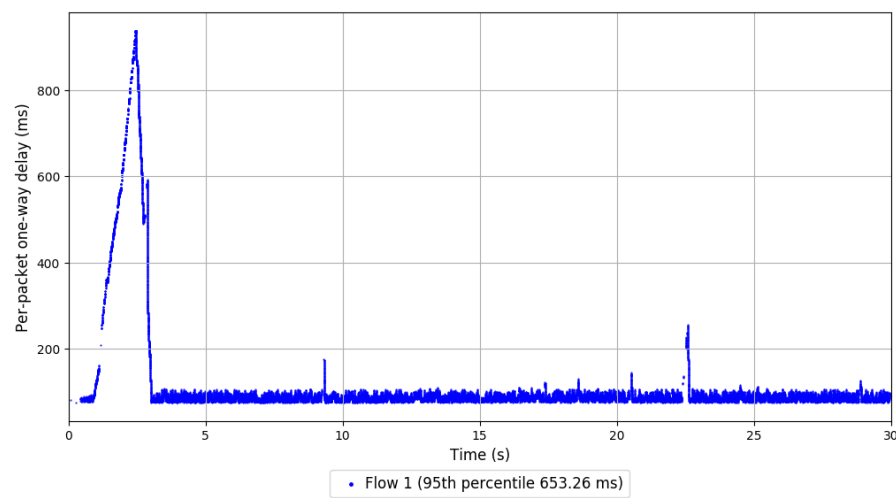
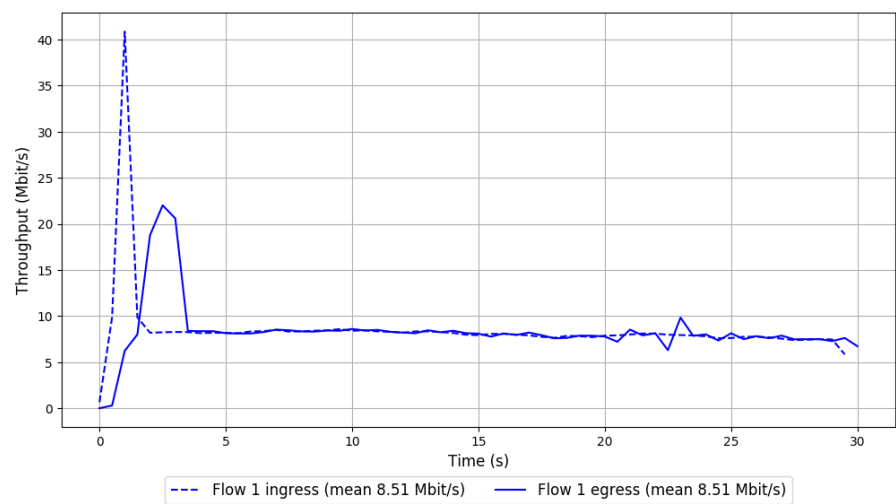


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-24 01:57:19
End at: 2018-05-24 01:57:49
Local clock offset: 4.562 ms
Remote clock offset: -0.498 ms

Below is generated by plot.py at 2018-05-24 03:15:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.51 Mbit/s
95th percentile per-packet one-way delay: 653.256 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 8.51 Mbit/s
95th percentile per-packet one-way delay: 653.256 ms
Loss rate: 0.07%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-24 02:17:30

End at: 2018-05-24 02:18:00

Local clock offset: 2.48 ms

Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-05-24 03:15:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 98.168 ms

Loss rate: 0.04%

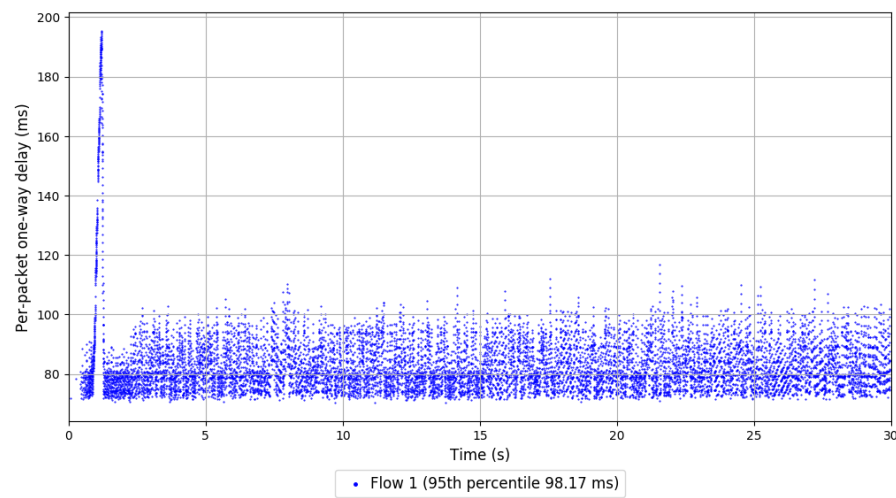
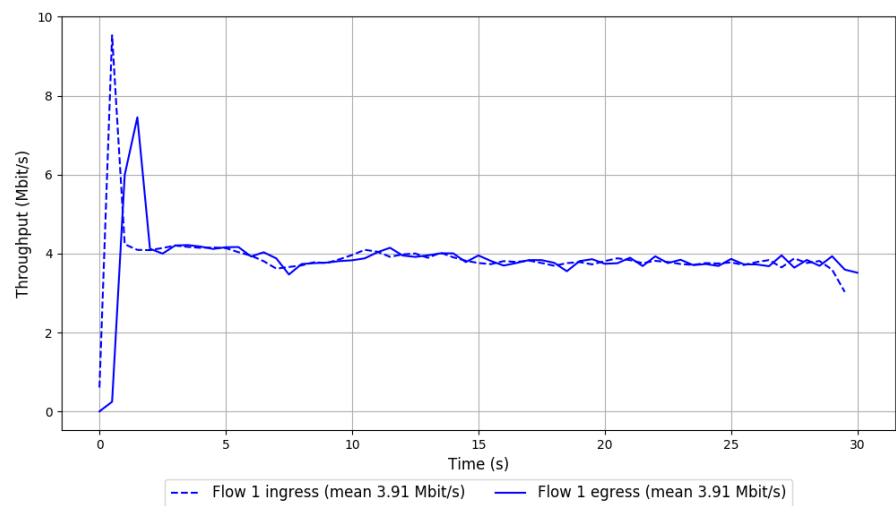
-- Flow 1:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 98.168 ms

Loss rate: 0.04%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-24 02:37:41

End at: 2018-05-24 02:38:11

Local clock offset: 2.361 ms

Remote clock offset: 0.313 ms

Below is generated by plot.py at 2018-05-24 03:15:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.10 Mbit/s

95th percentile per-packet one-way delay: 363.241 ms

Loss rate: 0.09%

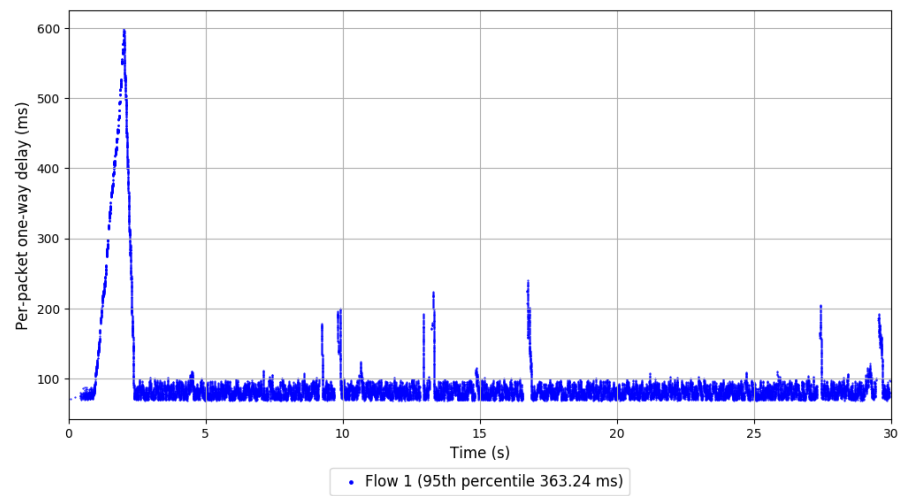
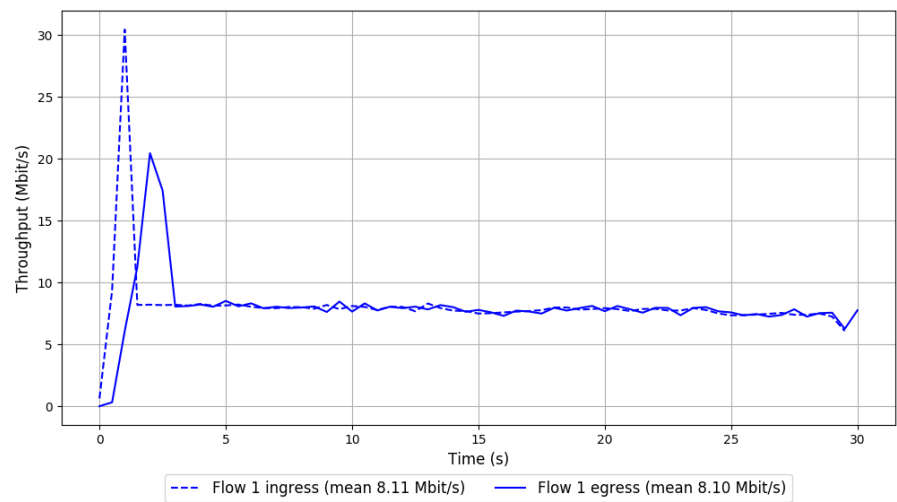
-- Flow 1:

Average throughput: 8.10 Mbit/s

95th percentile per-packet one-way delay: 363.241 ms

Loss rate: 0.09%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-24 02:57:53

End at: 2018-05-24 02:58:23

Local clock offset: 2.657 ms

Remote clock offset: 0.652 ms

Below is generated by plot.py at 2018-05-24 03:15:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 193.733 ms

Loss rate: 0.00%

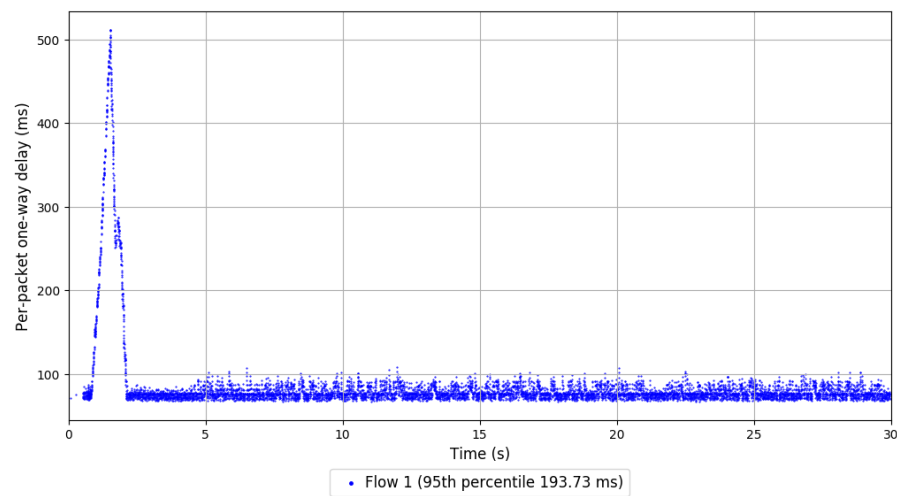
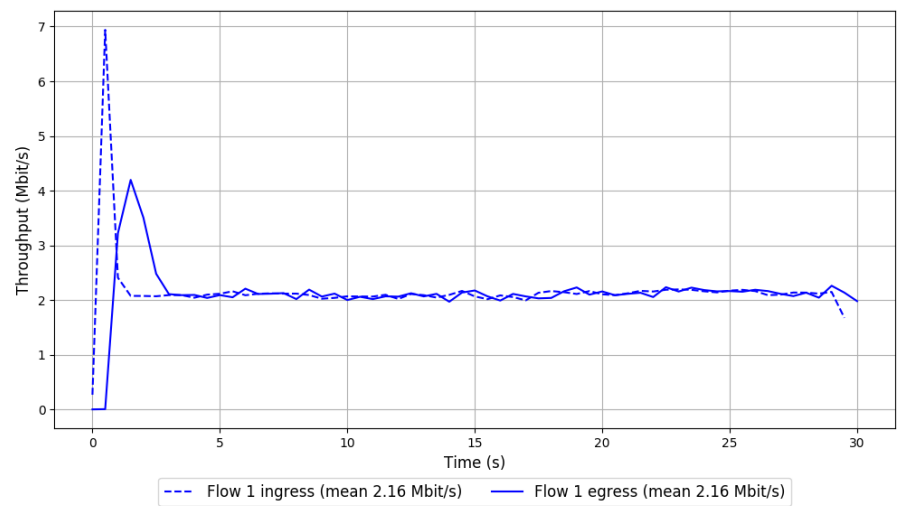
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 193.733 ms

Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

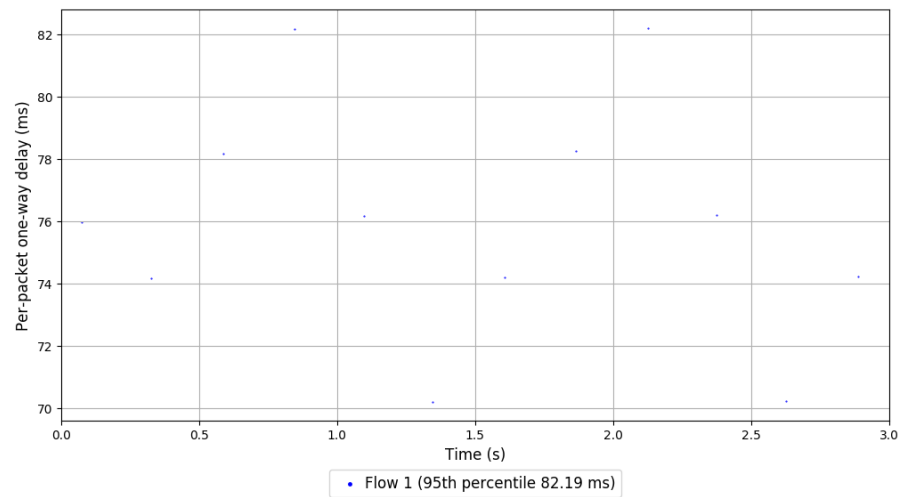
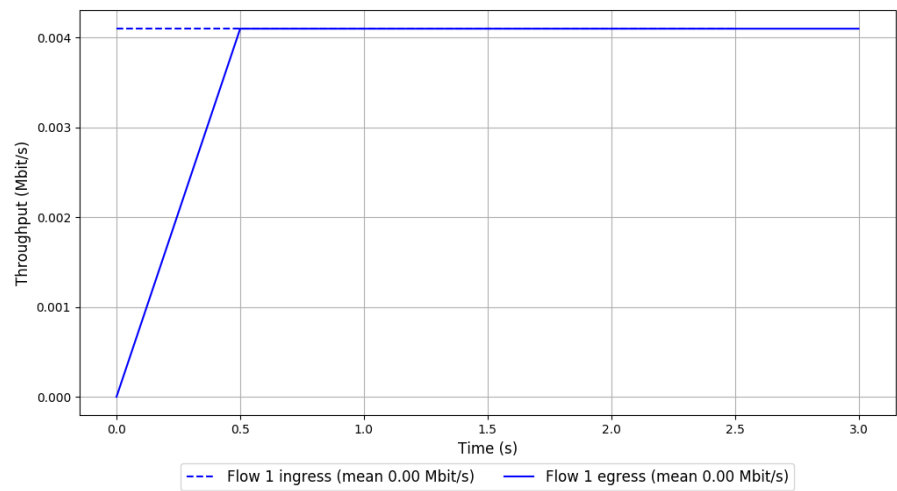
Start at: 2018-05-23 23:54:47

End at: 2018-05-23 23:55:17

Local clock offset: 7.9 ms

Remote clock offset: 0.228 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

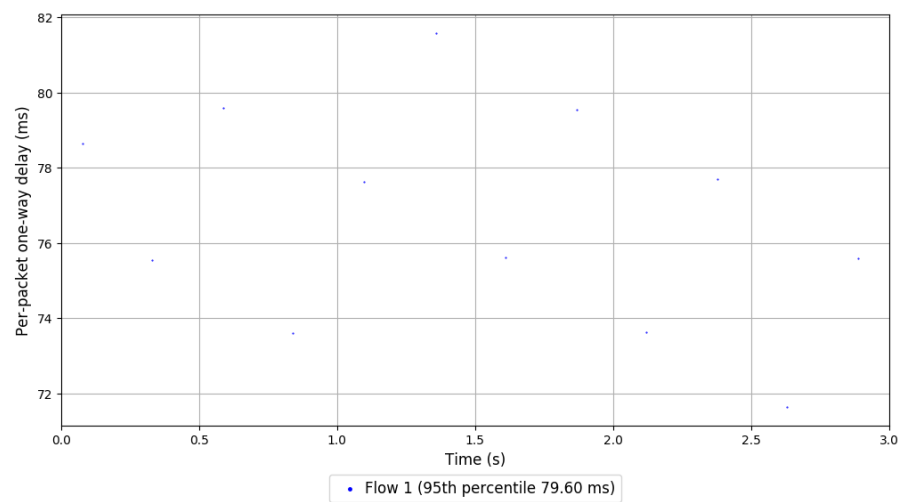
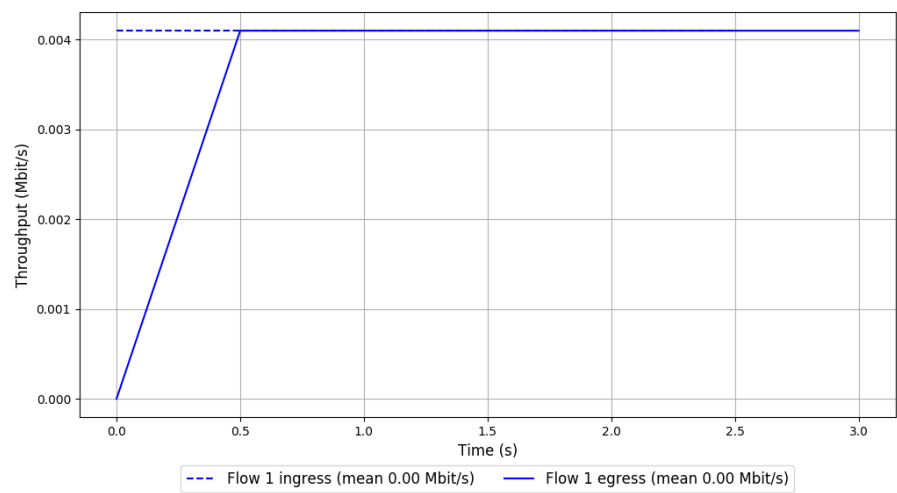
Start at: 2018-05-24 00:14:58

End at: 2018-05-24 00:15:28

Local clock offset: -3.231 ms

Remote clock offset: -1.076 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

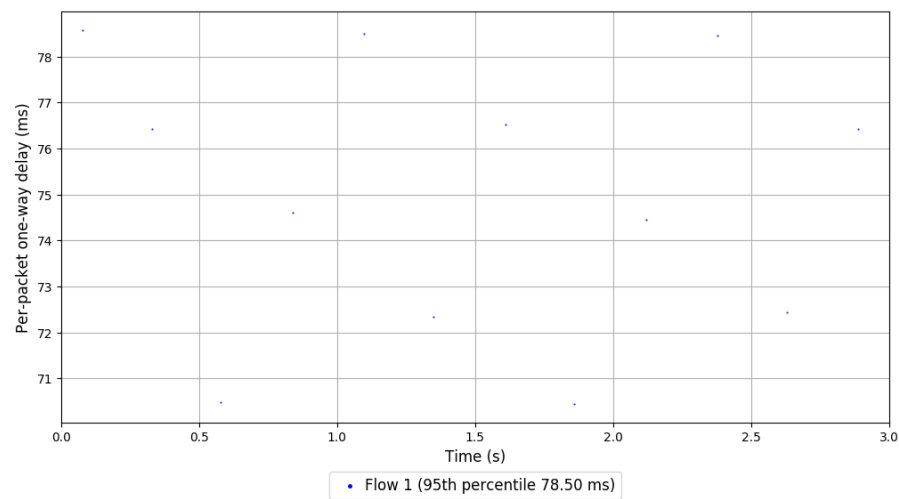
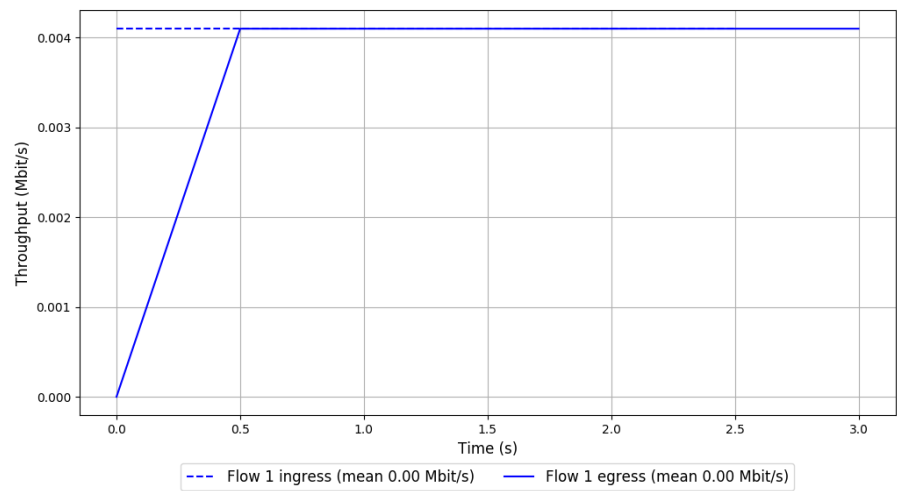
Start at: 2018-05-24 00:35:09

End at: 2018-05-24 00:35:39

Local clock offset: 0.128 ms

Remote clock offset: -0.927 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

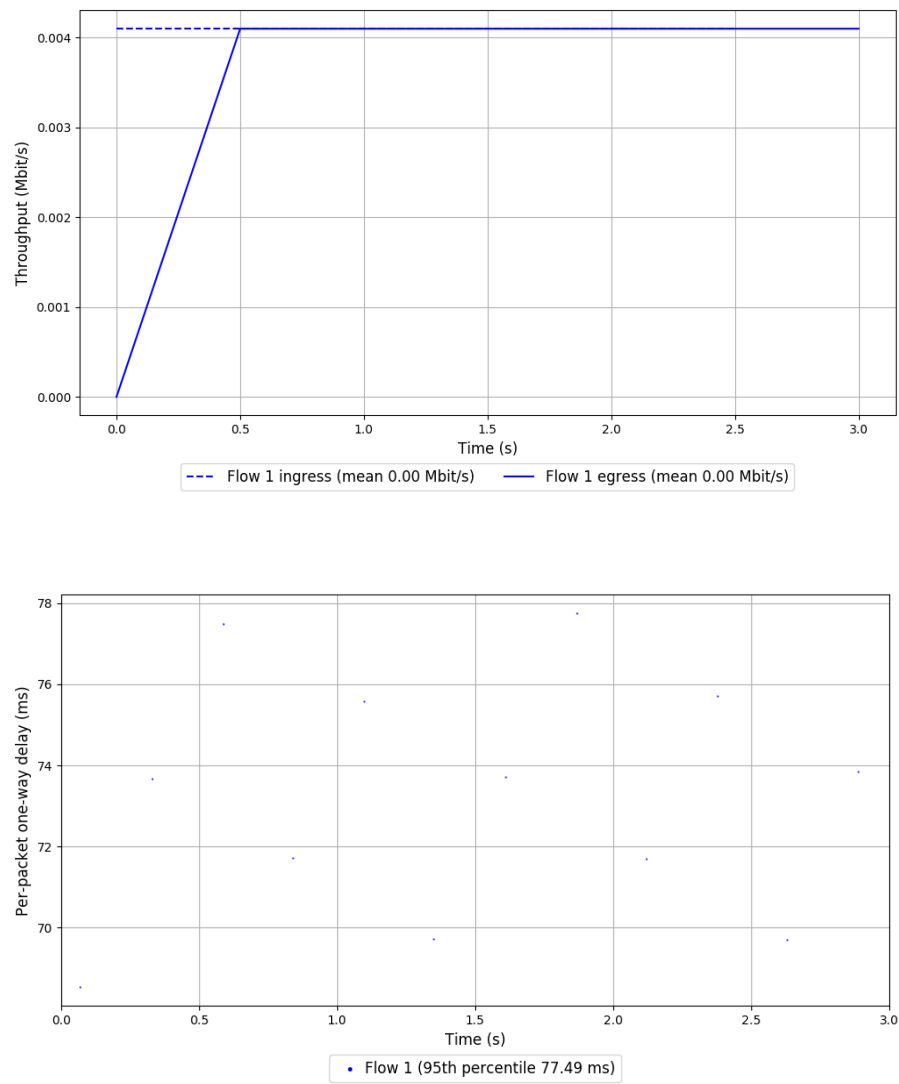
Start at: 2018-05-24 00:55:21

End at: 2018-05-24 00:55:51

Local clock offset: 3.218 ms

Remote clock offset: -0.09 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

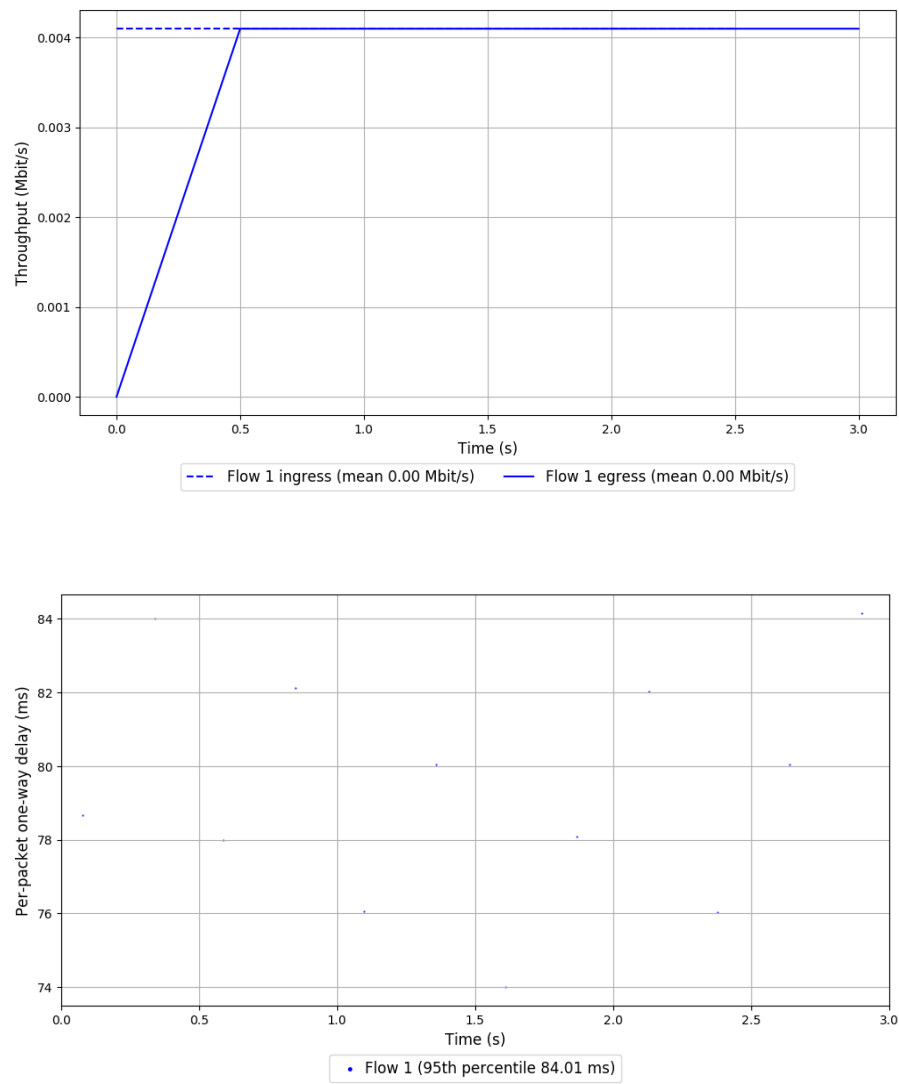
Start at: 2018-05-24 01:15:33

End at: 2018-05-24 01:16:03

Local clock offset: 3.197 ms

Remote clock offset: -0.67 ms

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

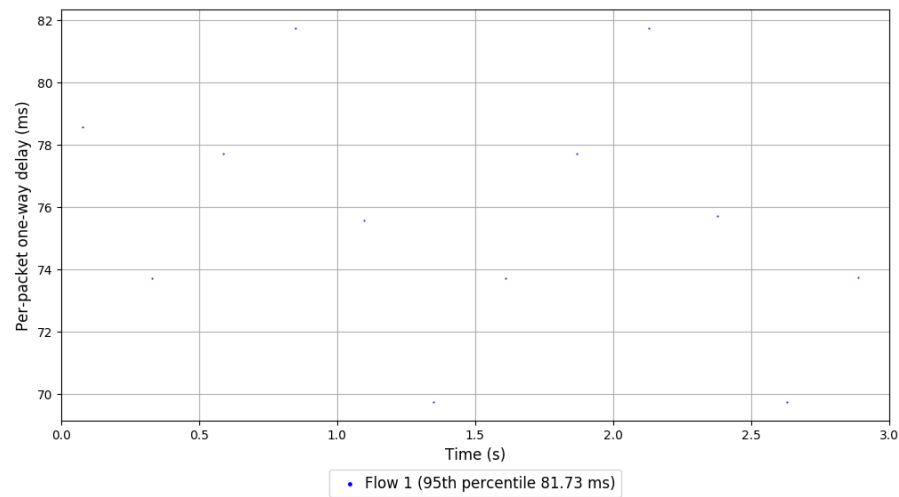
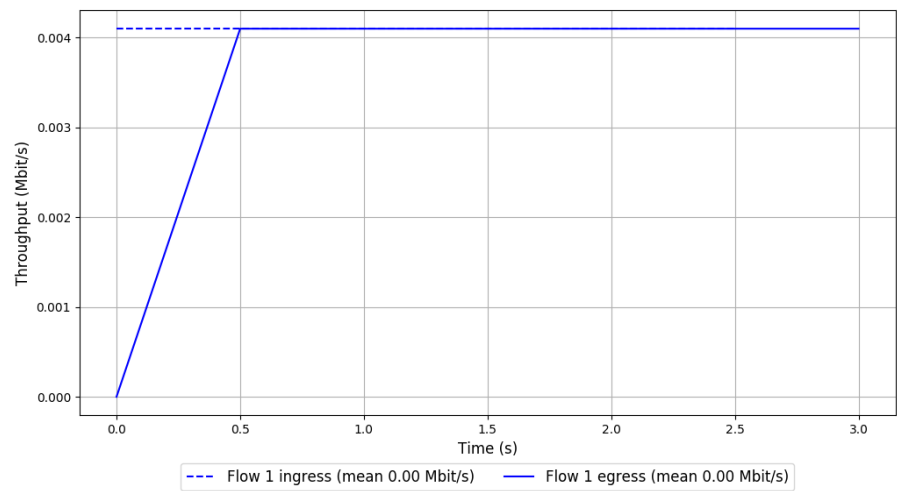
Start at: 2018-05-24 01:35:46

End at: 2018-05-24 01:36:16

Local clock offset: 3.883 ms

Remote clock offset: -0.944 ms

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

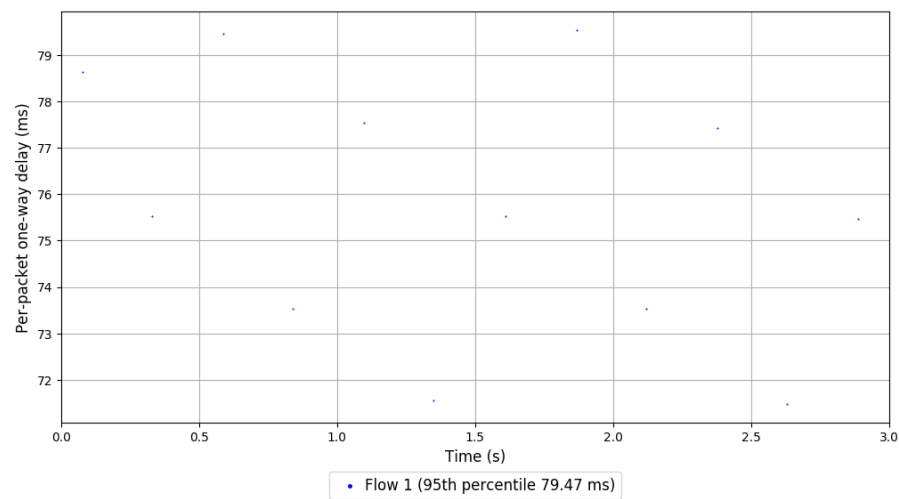
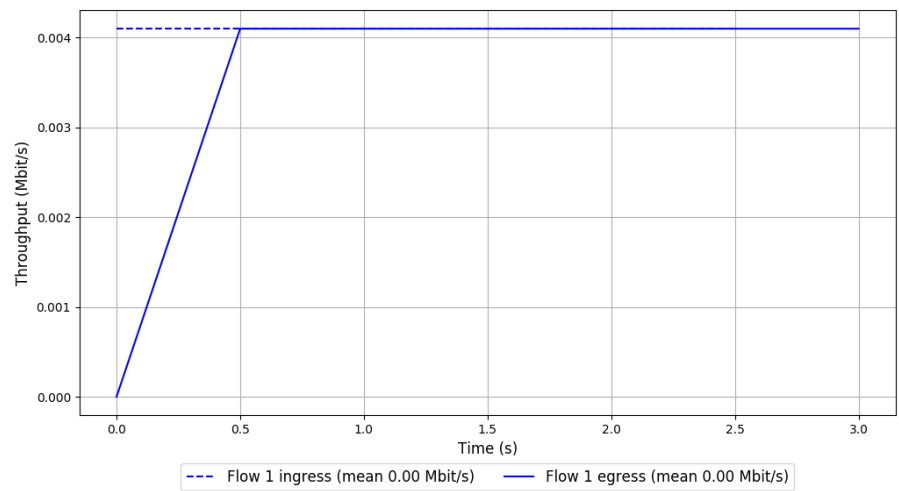
Start at: 2018-05-24 01:56:04

End at: 2018-05-24 01:56:34

Local clock offset: 4.647 ms

Remote clock offset: -0.532 ms

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

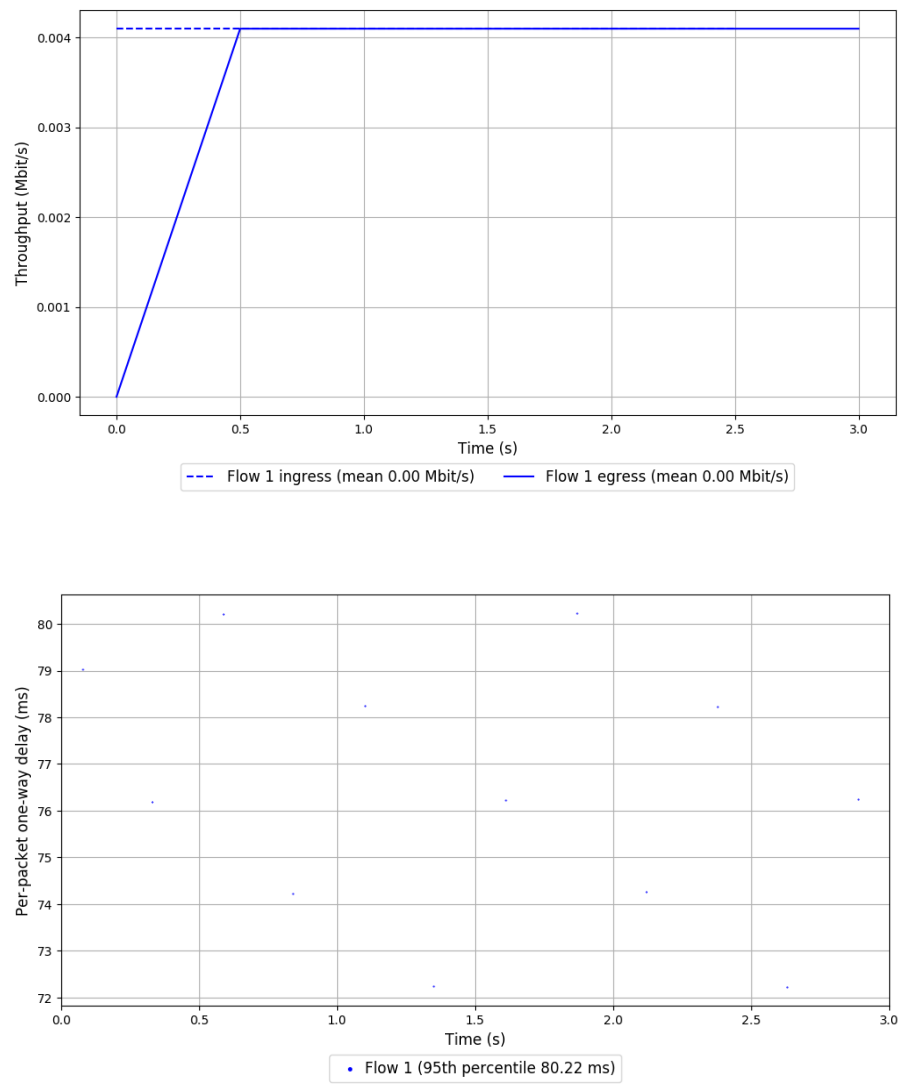
Start at: 2018-05-24 02:16:15

End at: 2018-05-24 02:16:45

Local clock offset: 2.378 ms

Remote clock offset: -0.092 ms

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

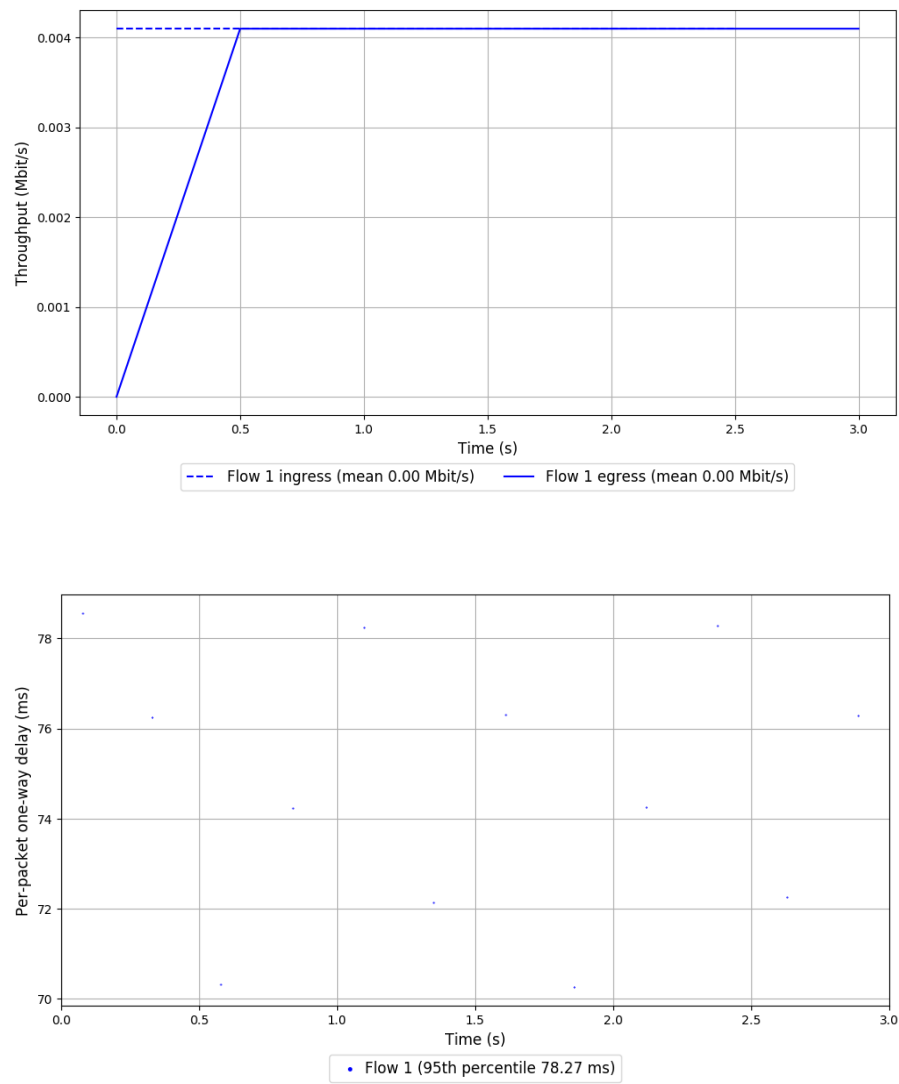
Start at: 2018-05-24 02:36:26

End at: 2018-05-24 02:36:56

Local clock offset: 2.477 ms

Remote clock offset: 0.309 ms

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

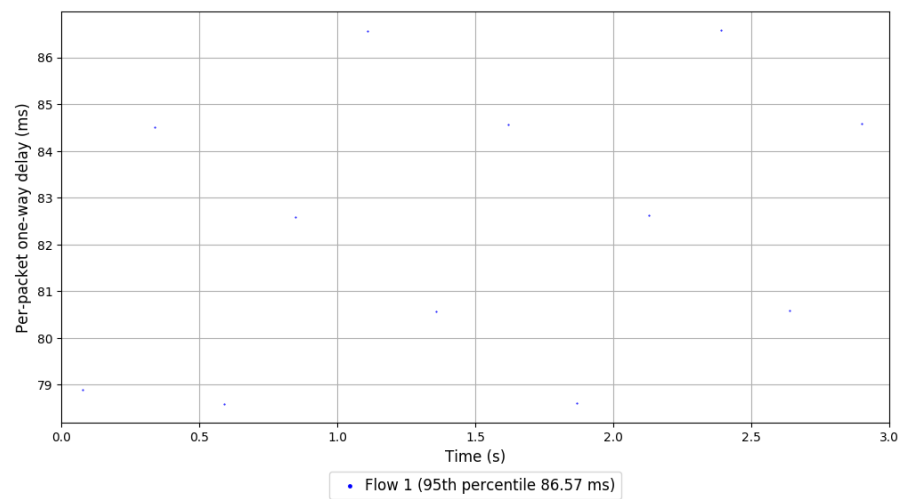
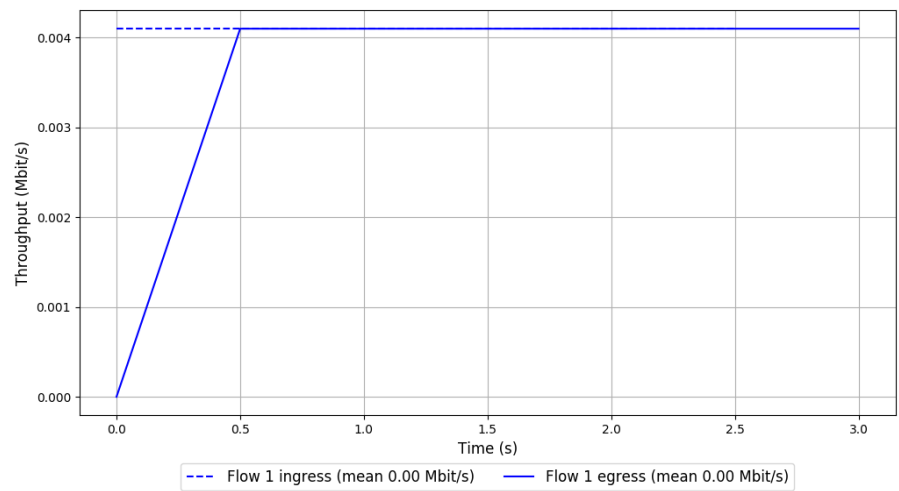
Start at: 2018-05-24 02:56:38

End at: 2018-05-24 02:57:08

Local clock offset: 2.596 ms

Remote clock offset: 0.739 ms

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

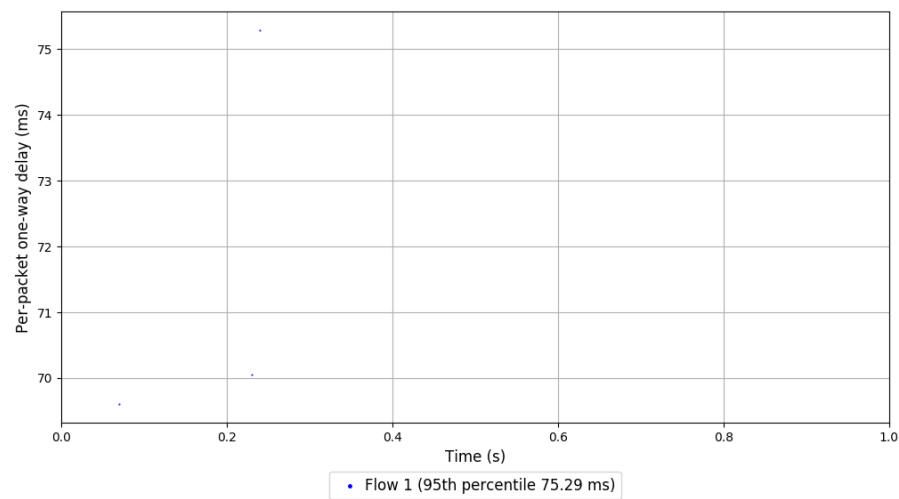
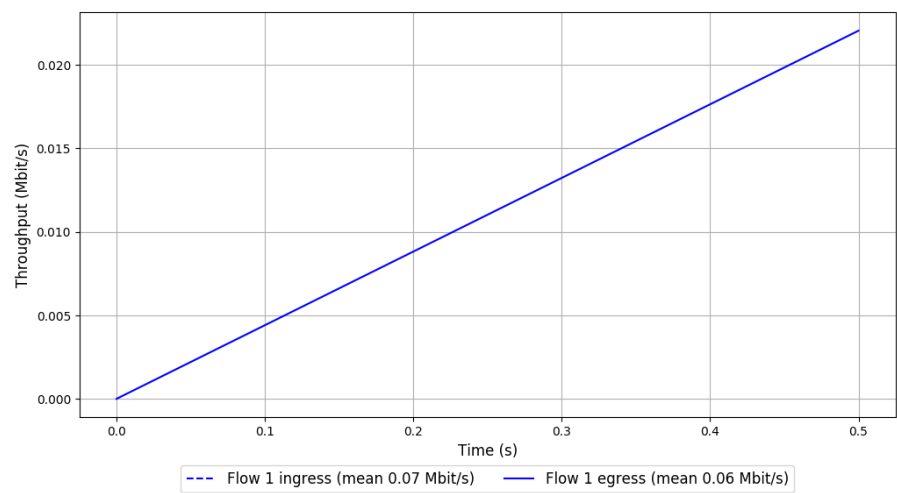
Start at: 2018-05-24 00:02:21

End at: 2018-05-24 00:02:51

Local clock offset: 1.78 ms

Remote clock offset: -0.552 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-24 00:22:32

End at: 2018-05-24 00:23:02

Local clock offset: -4.148 ms

Remote clock offset: -1.315 ms

Below is generated by plot.py at 2018-05-24 03:16:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.00 Mbit/s

95th percentile per-packet one-way delay: 337.655 ms

Loss rate: 0.88%

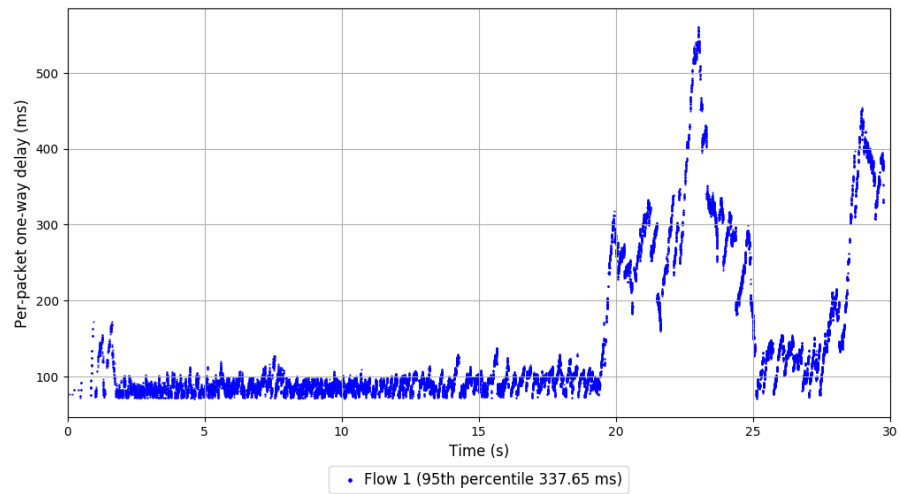
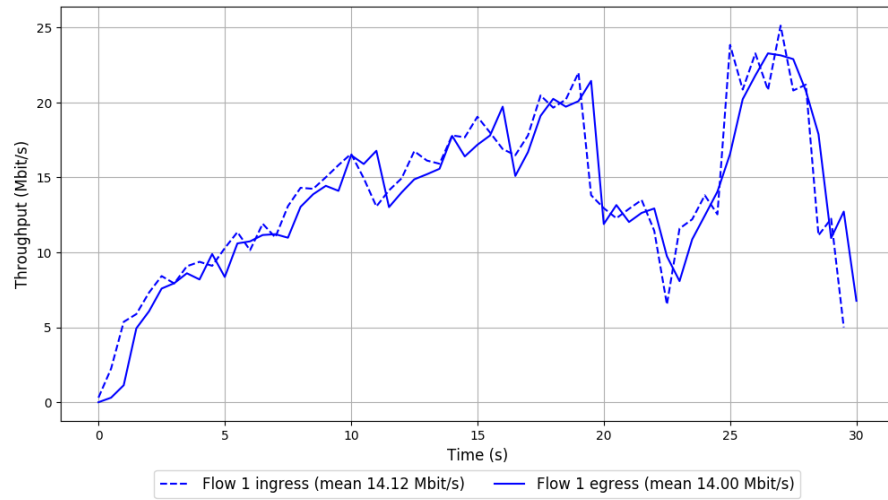
-- Flow 1:

Average throughput: 14.00 Mbit/s

95th percentile per-packet one-way delay: 337.655 ms

Loss rate: 0.88%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-24 00:42:43

End at: 2018-05-24 00:43:13

Local clock offset: 1.831 ms

Remote clock offset: -0.443 ms

Below is generated by plot.py at 2018-05-24 03:16:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.46 Mbit/s

95th percentile per-packet one-way delay: 479.421 ms

Loss rate: 1.04%

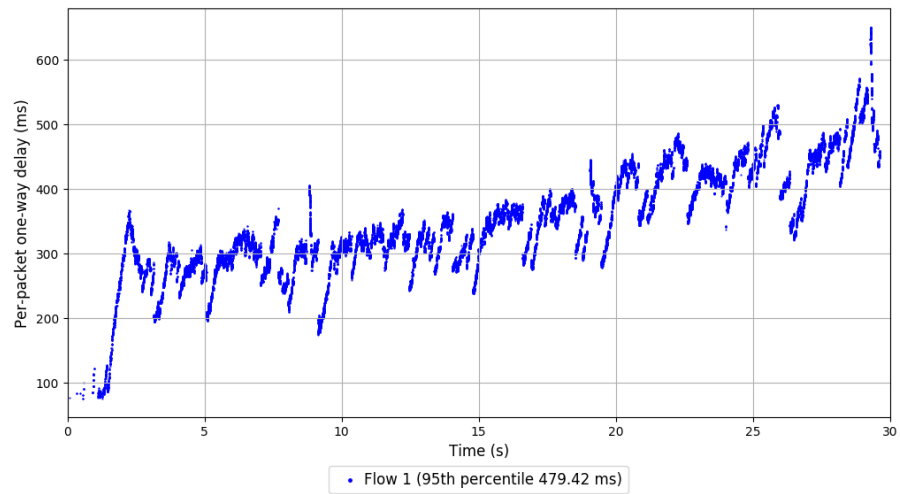
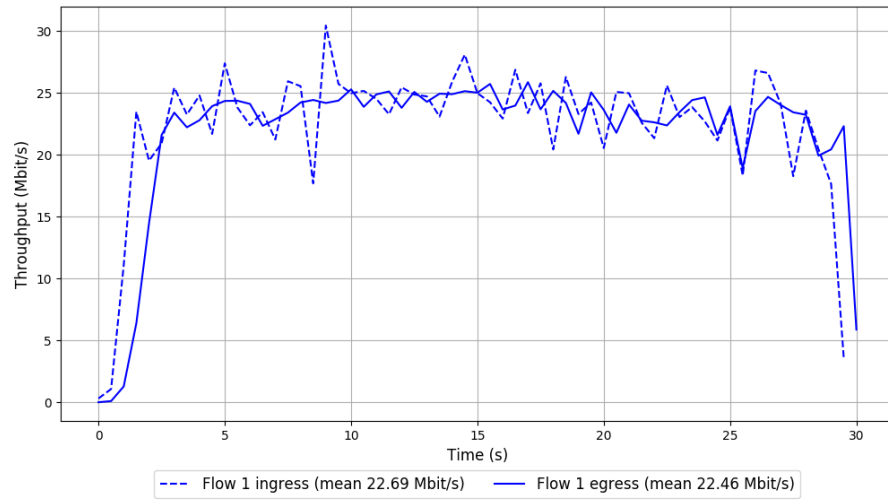
-- Flow 1:

Average throughput: 22.46 Mbit/s

95th percentile per-packet one-way delay: 479.421 ms

Loss rate: 1.04%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-24 01:02:55

End at: 2018-05-24 01:03:25

Local clock offset: 3.086 ms

Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-05-24 03:16:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.18 Mbit/s

95th percentile per-packet one-way delay: 376.755 ms

Loss rate: 0.94%

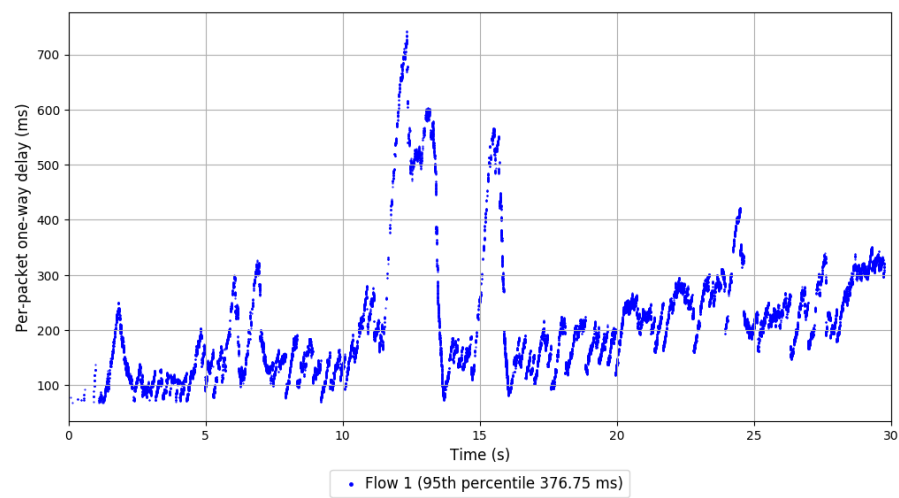
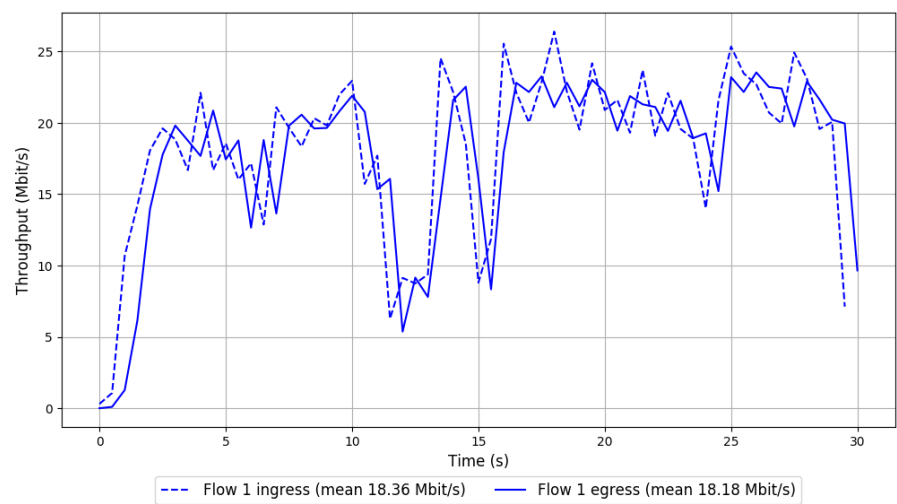
-- Flow 1:

Average throughput: 18.18 Mbit/s

95th percentile per-packet one-way delay: 376.755 ms

Loss rate: 0.94%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-24 01:23:07

End at: 2018-05-24 01:23:37

Local clock offset: 3.588 ms

Remote clock offset: -0.886 ms

Below is generated by plot.py at 2018-05-24 03:16:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.14 Mbit/s

95th percentile per-packet one-way delay: 306.062 ms

Loss rate: 1.33%

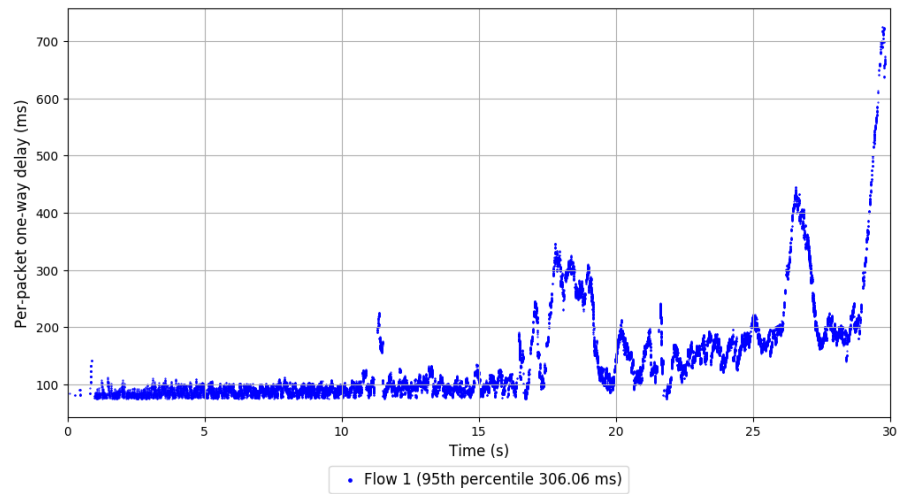
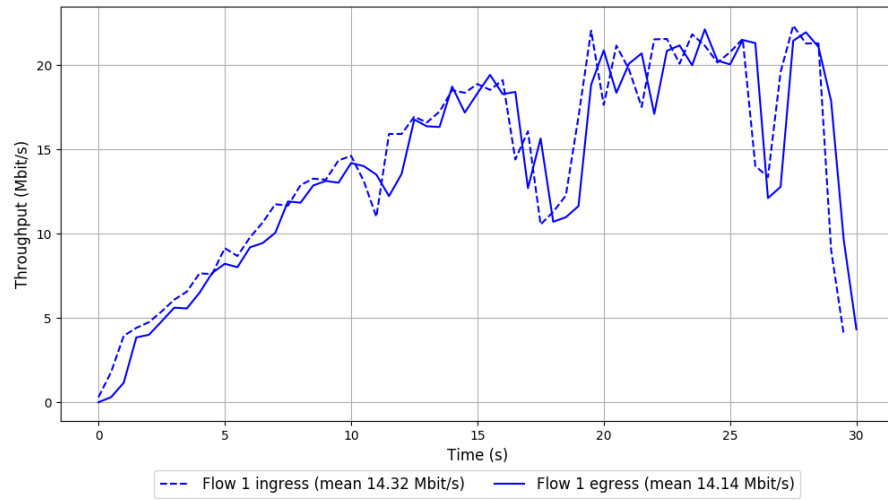
-- Flow 1:

Average throughput: 14.14 Mbit/s

95th percentile per-packet one-way delay: 306.062 ms

Loss rate: 1.33%

Run 5: Report of QUIC Cubic — Data Link

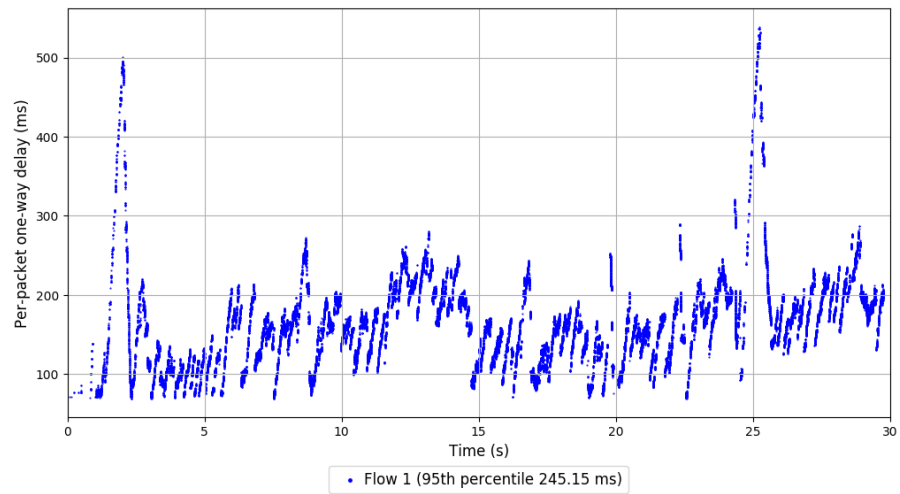
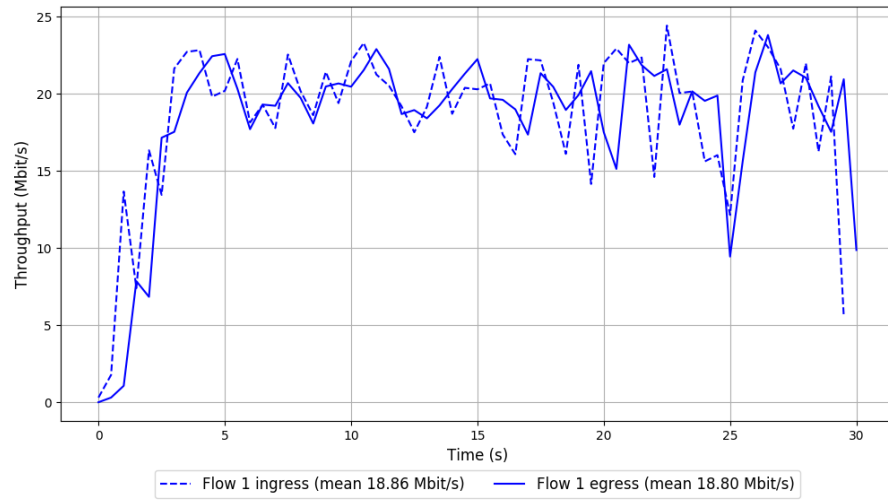


Run 6: Statistics of QUIC Cubic

Start at: 2018-05-24 01:43:21
End at: 2018-05-24 01:43:51
Local clock offset: 4.281 ms
Remote clock offset: -0.961 ms

Below is generated by plot.py at 2018-05-24 03:16:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.80 Mbit/s
95th percentile per-packet one-way delay: 245.153 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 18.80 Mbit/s
95th percentile per-packet one-way delay: 245.153 ms
Loss rate: 0.30%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-05-24 02:03:38

End at: 2018-05-24 02:04:08

Local clock offset: 3.302 ms

Remote clock offset: -0.577 ms

Below is generated by plot.py at 2018-05-24 03:16:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.39 Mbit/s

95th percentile per-packet one-way delay: 206.116 ms

Loss rate: 0.21%

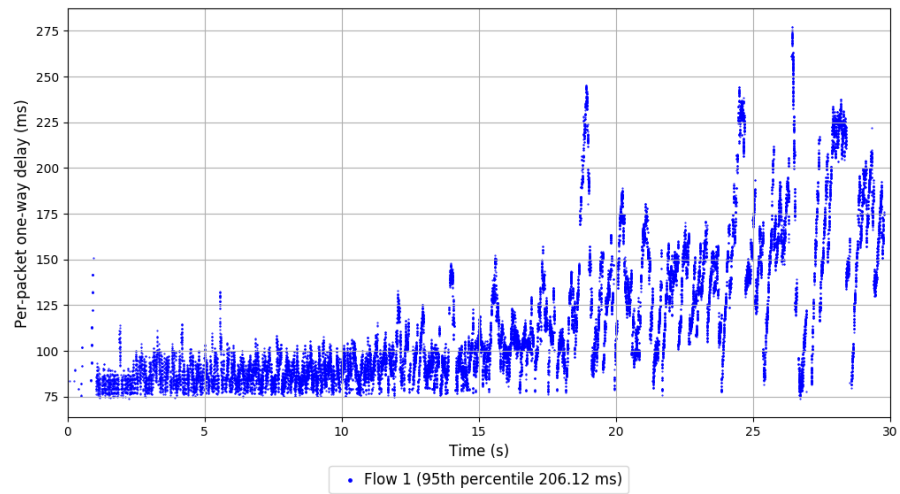
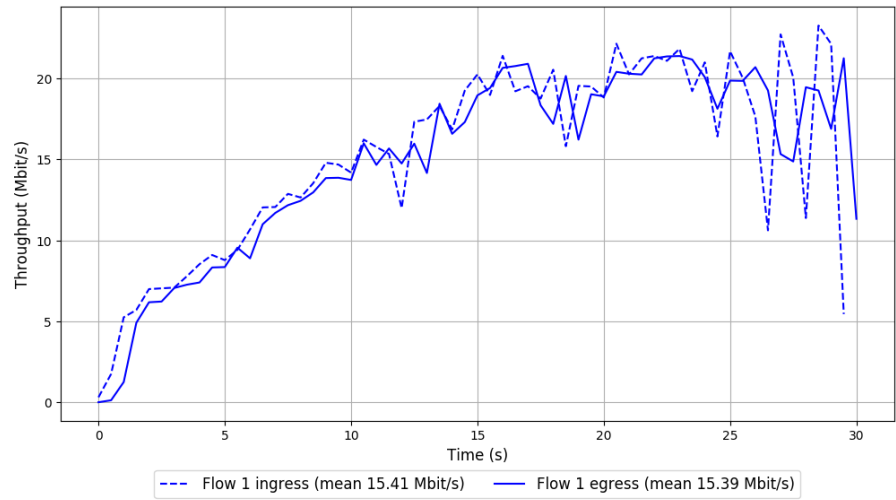
-- Flow 1:

Average throughput: 15.39 Mbit/s

95th percentile per-packet one-way delay: 206.116 ms

Loss rate: 0.21%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-24 02:23:49

End at: 2018-05-24 02:24:19

Local clock offset: 2.224 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-05-24 03:16:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.20 Mbit/s

95th percentile per-packet one-way delay: 607.547 ms

Loss rate: 1.72%

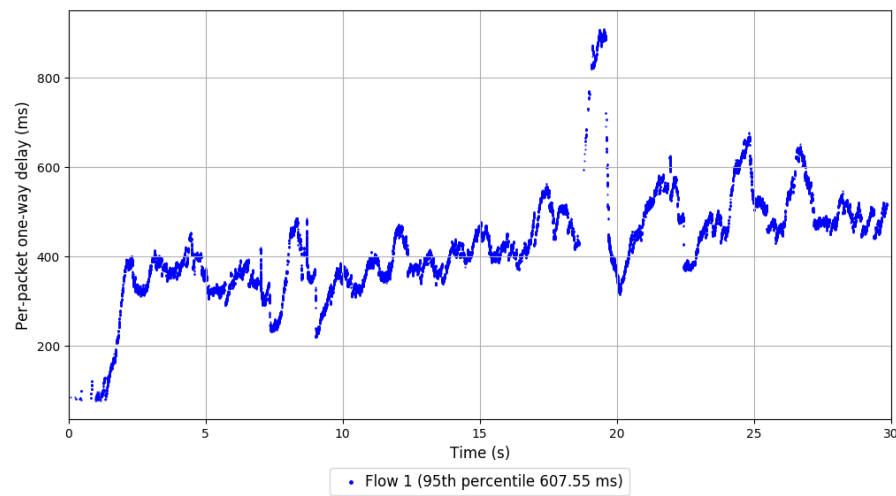
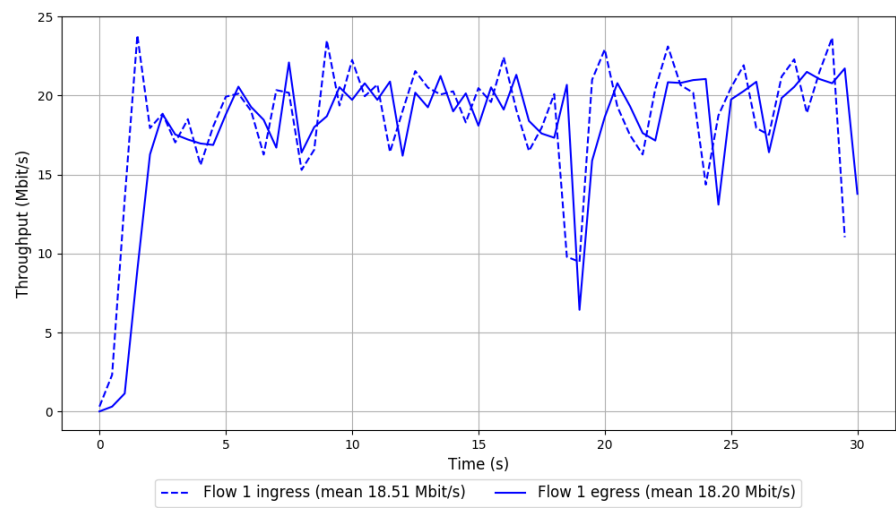
-- Flow 1:

Average throughput: 18.20 Mbit/s

95th percentile per-packet one-way delay: 607.547 ms

Loss rate: 1.72%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-24 02:44:00

End at: 2018-05-24 02:44:30

Local clock offset: 2.396 ms

Remote clock offset: 0.472 ms

Below is generated by plot.py at 2018-05-24 03:16:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.18 Mbit/s

95th percentile per-packet one-way delay: 411.417 ms

Loss rate: 0.71%

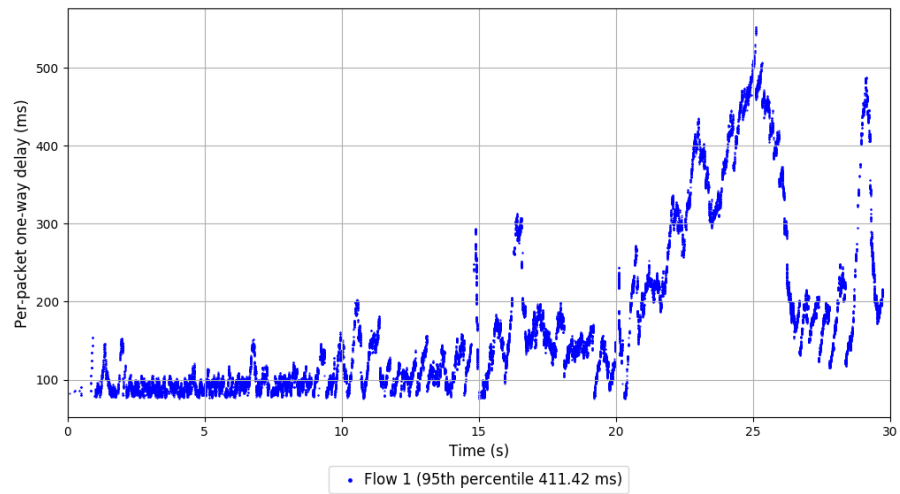
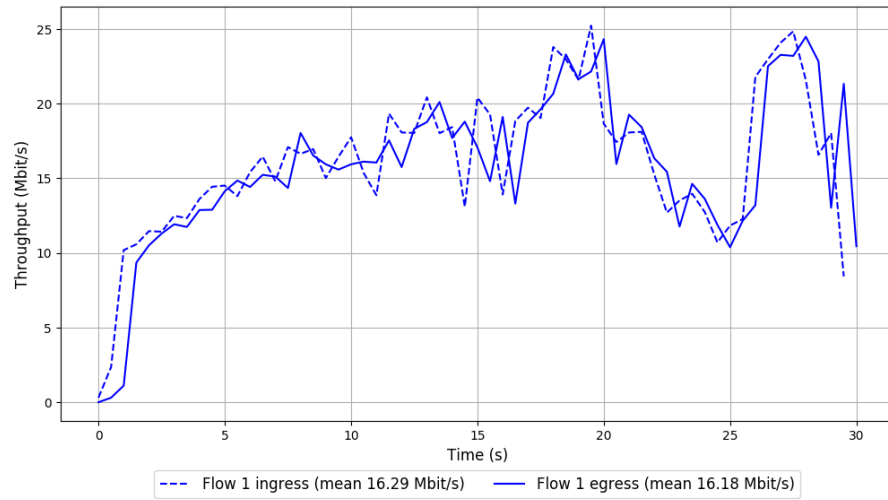
-- Flow 1:

Average throughput: 16.18 Mbit/s

95th percentile per-packet one-way delay: 411.417 ms

Loss rate: 0.71%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-24 03:04:12

End at: 2018-05-24 03:04:42

Local clock offset: 3.239 ms

Remote clock offset: 0.722 ms

Below is generated by plot.py at 2018-05-24 03:16:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.89 Mbit/s

95th percentile per-packet one-way delay: 251.194 ms

Loss rate: 0.55%

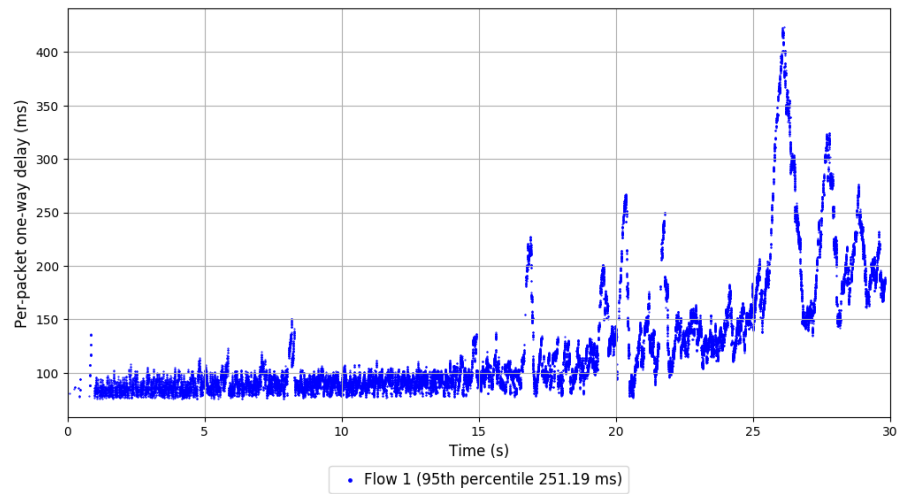
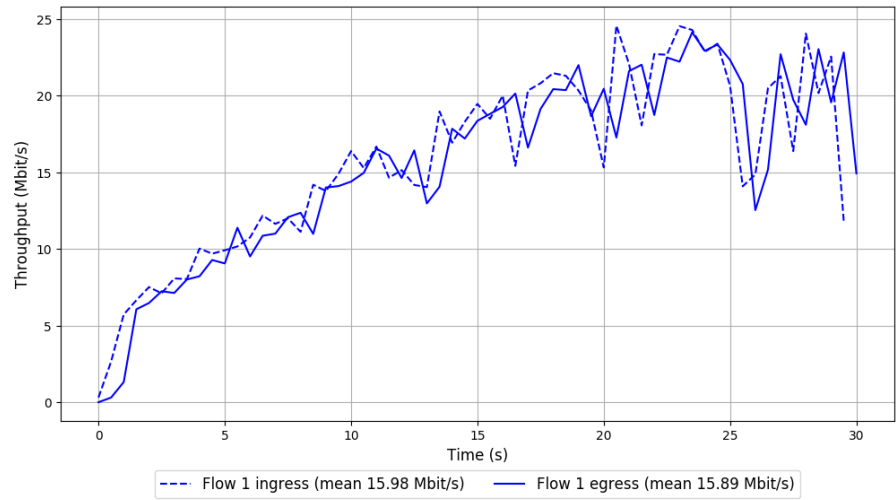
-- Flow 1:

Average throughput: 15.89 Mbit/s

95th percentile per-packet one-way delay: 251.194 ms

Loss rate: 0.55%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-05-23 23:57:18

End at: 2018-05-23 23:57:48

Local clock offset: 6.494 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-05-24 03:16:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 75.115 ms

Loss rate: 0.00%

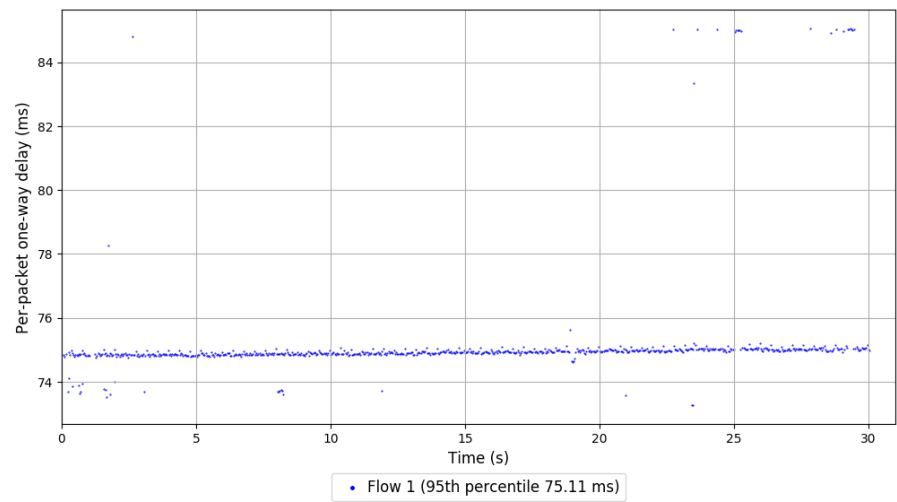
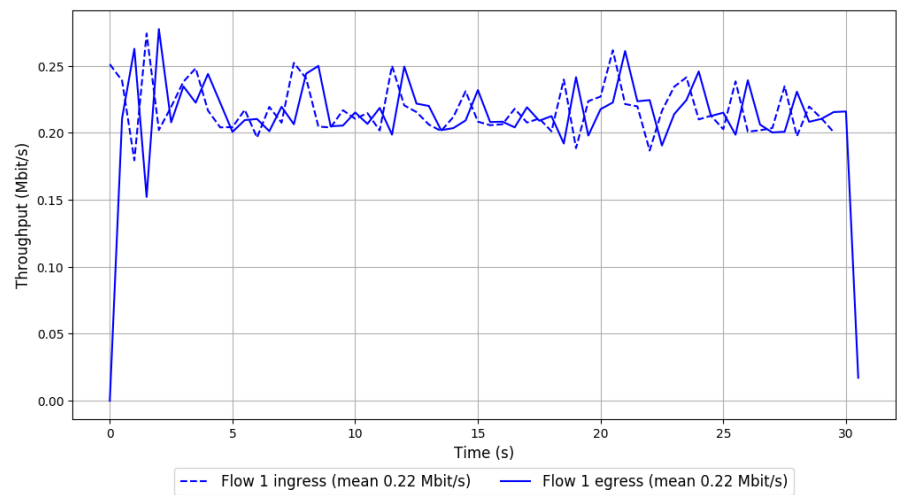
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 75.115 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

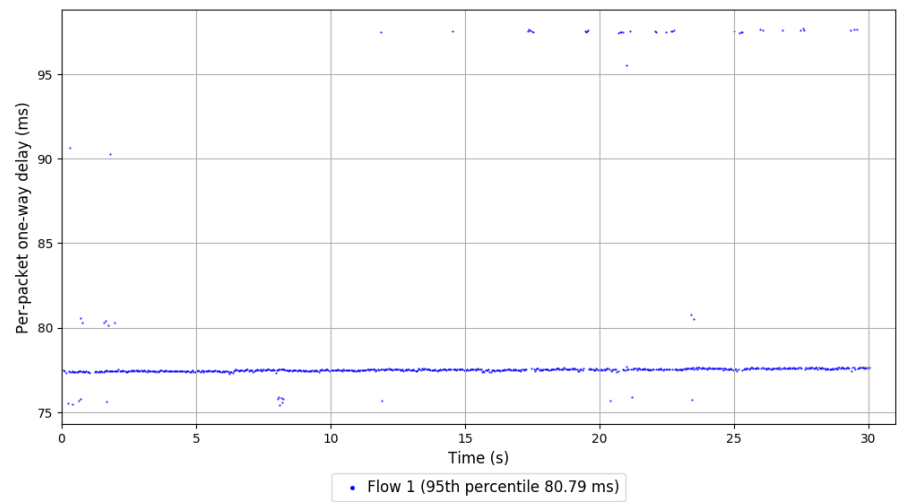
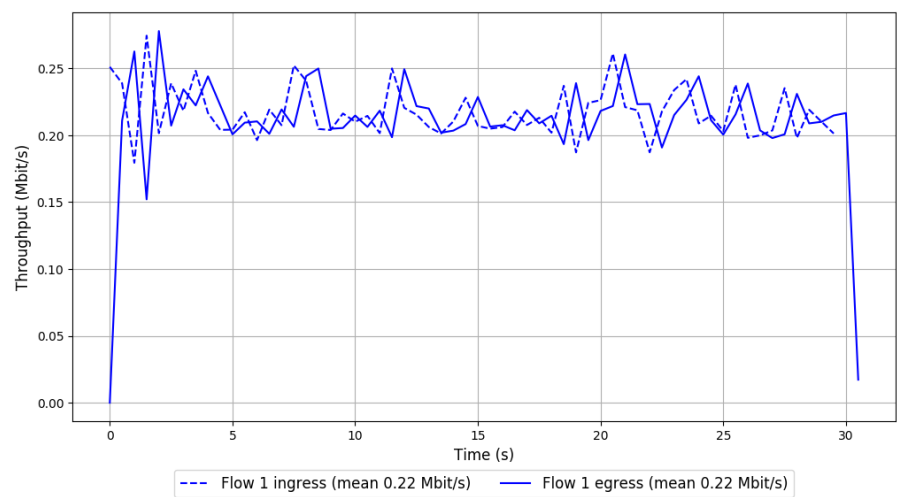


Run 2: Statistics of SCReAM

Start at: 2018-05-24 00:17:28
End at: 2018-05-24 00:17:58
Local clock offset: -3.615 ms
Remote clock offset: -1.173 ms

Below is generated by plot.py at 2018-05-24 03:16:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.792 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

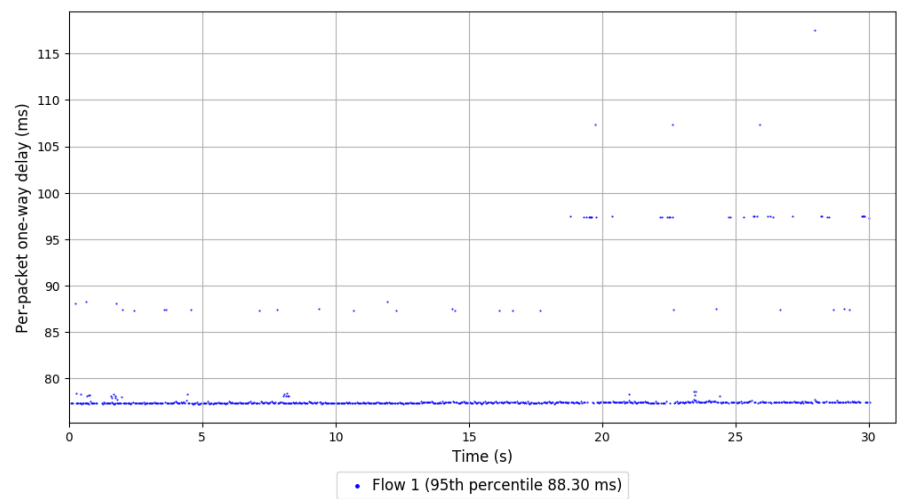
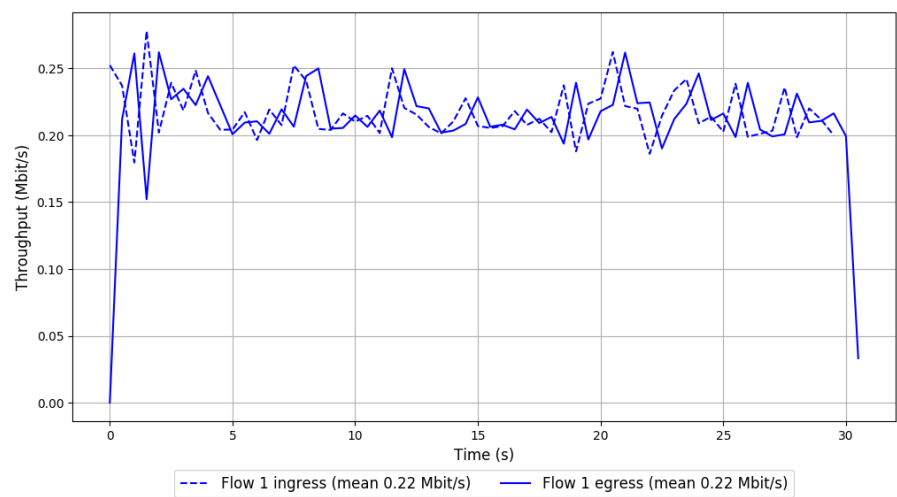


Run 3: Statistics of SCReAM

Start at: 2018-05-24 00:37:39
End at: 2018-05-24 00:38:10
Local clock offset: 0.782 ms
Remote clock offset: -0.737 ms

Below is generated by plot.py at 2018-05-24 03:16:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.296 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.296 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

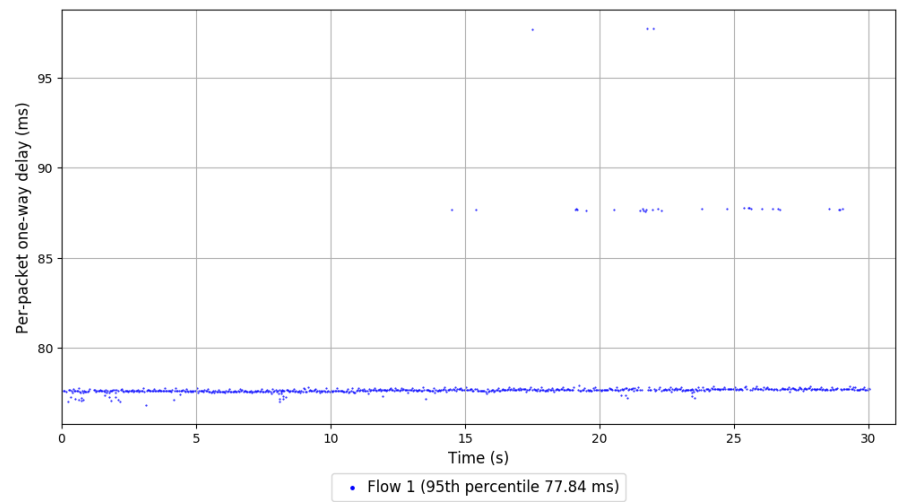
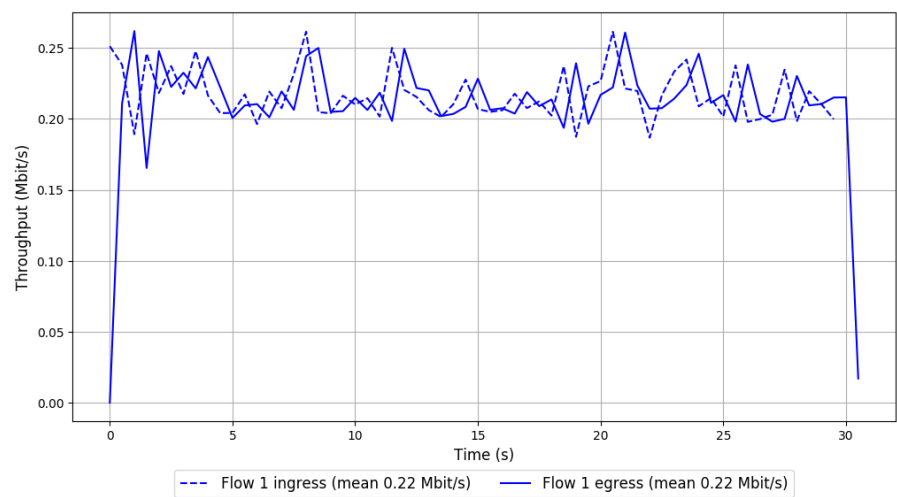


Run 4: Statistics of SCReAM

Start at: 2018-05-24 00:57:52
End at: 2018-05-24 00:58:22
Local clock offset: 3.007 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-05-24 03:16:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.839 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-05-24 01:18:04

End at: 2018-05-24 01:18:34

Local clock offset: 3.544 ms

Remote clock offset: -0.74 ms

Below is generated by plot.py at 2018-05-24 03:16:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 77.564 ms

Loss rate: 0.00%

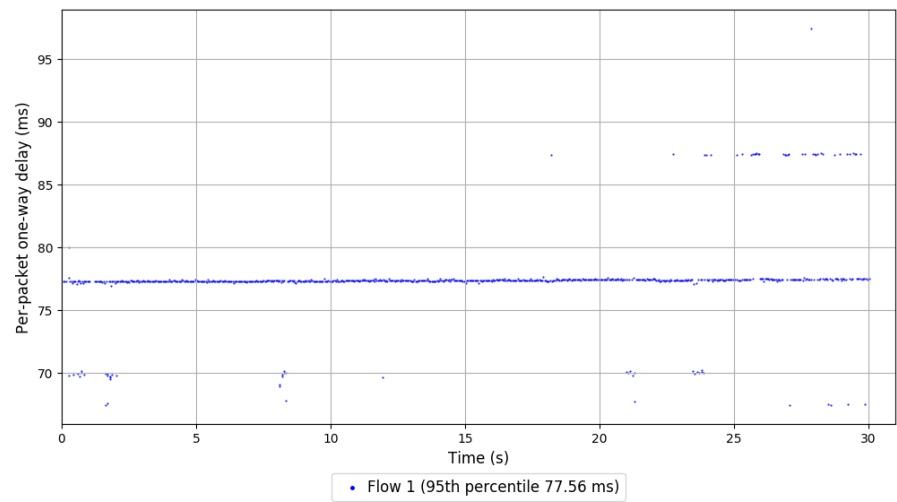
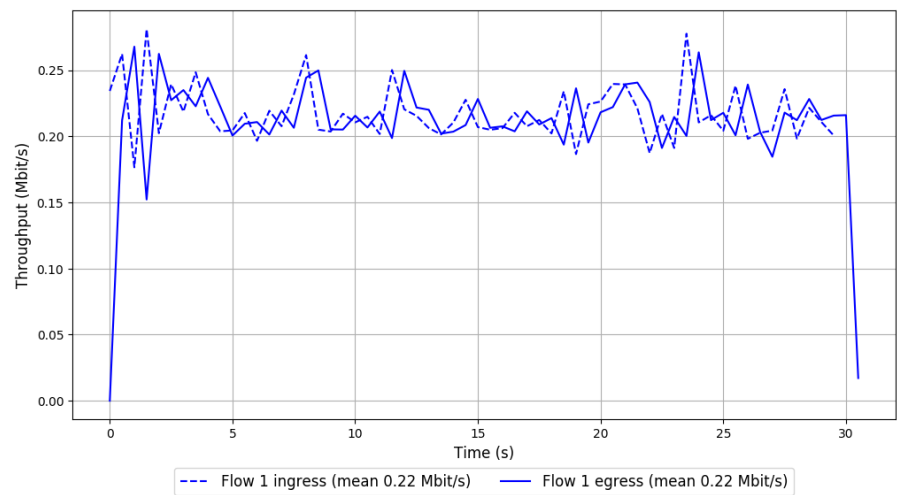
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 77.564 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

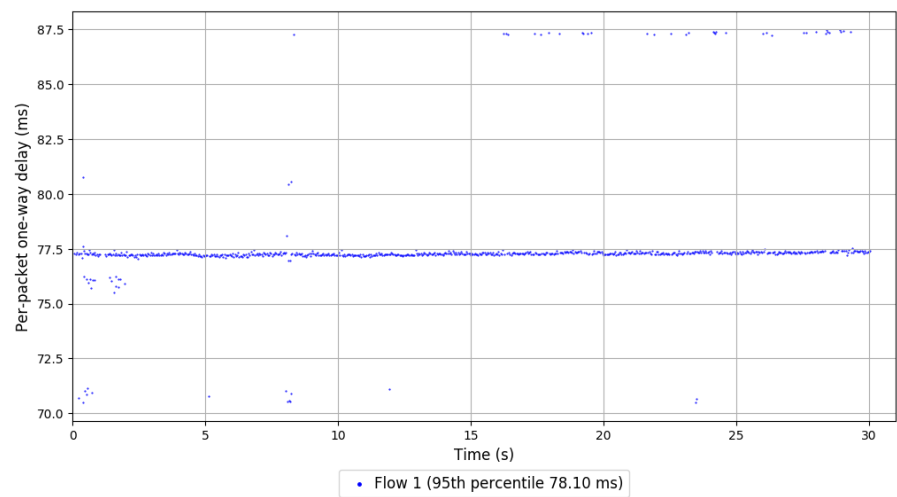
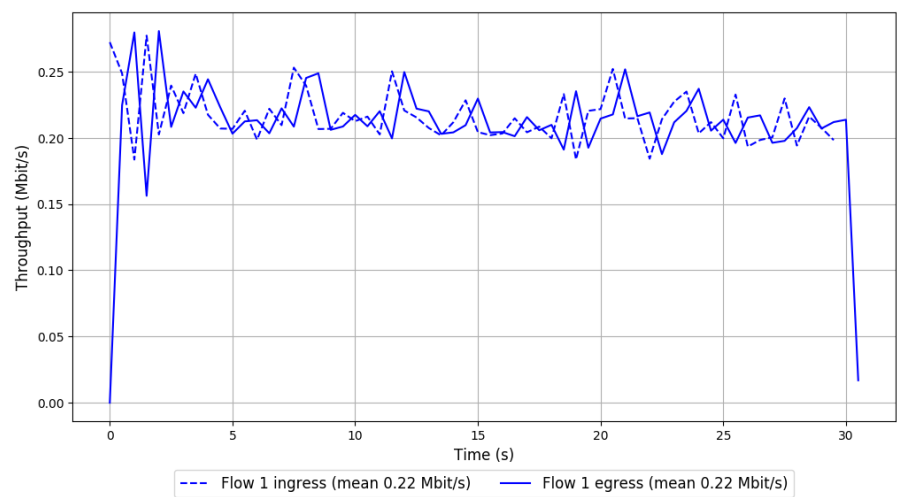


Run 6: Statistics of SCReAM

Start at: 2018-05-24 01:38:16
End at: 2018-05-24 01:38:46
Local clock offset: 4.087 ms
Remote clock offset: -0.989 ms

Below is generated by plot.py at 2018-05-24 03:16:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.098 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

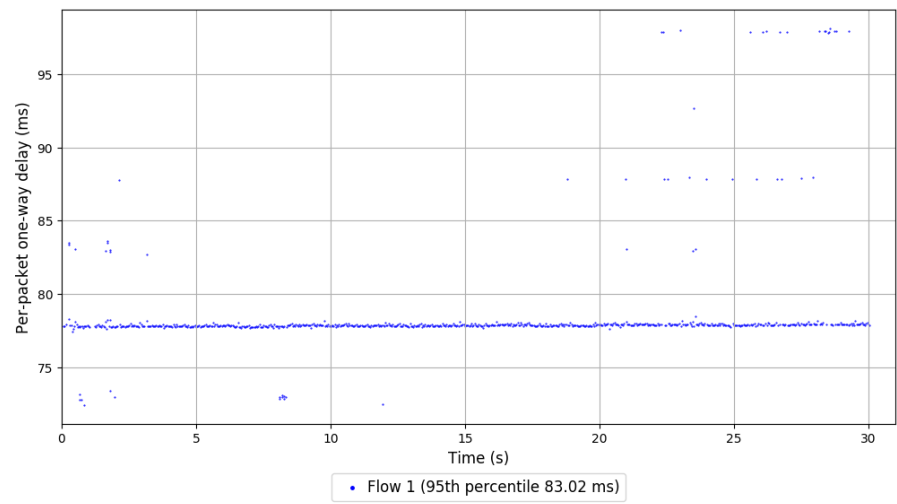
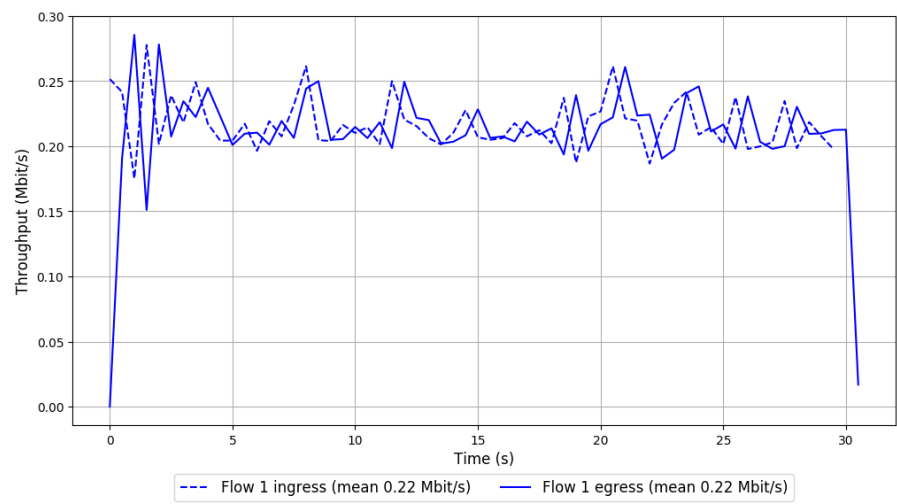


Run 7: Statistics of SCReAM

Start at: 2018-05-24 01:58:35
End at: 2018-05-24 01:59:05
Local clock offset: 3.998 ms
Remote clock offset: -0.502 ms

Below is generated by plot.py at 2018-05-24 03:16:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.021 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.021 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

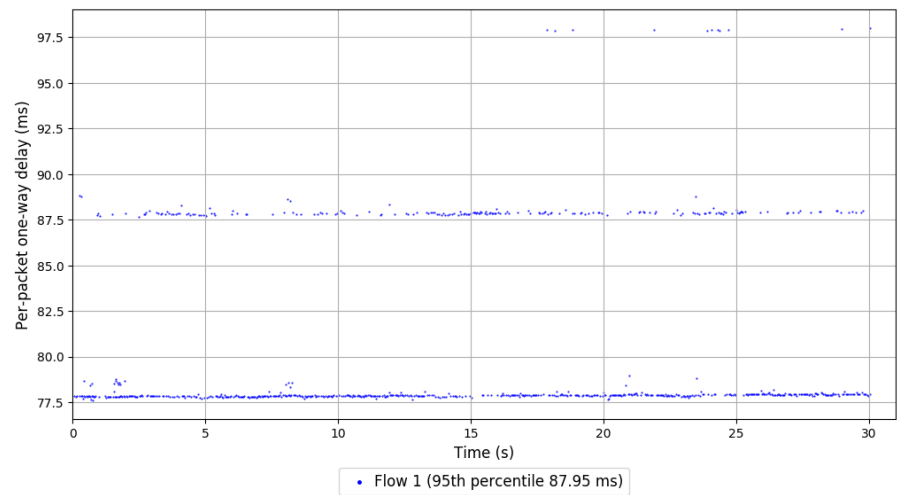
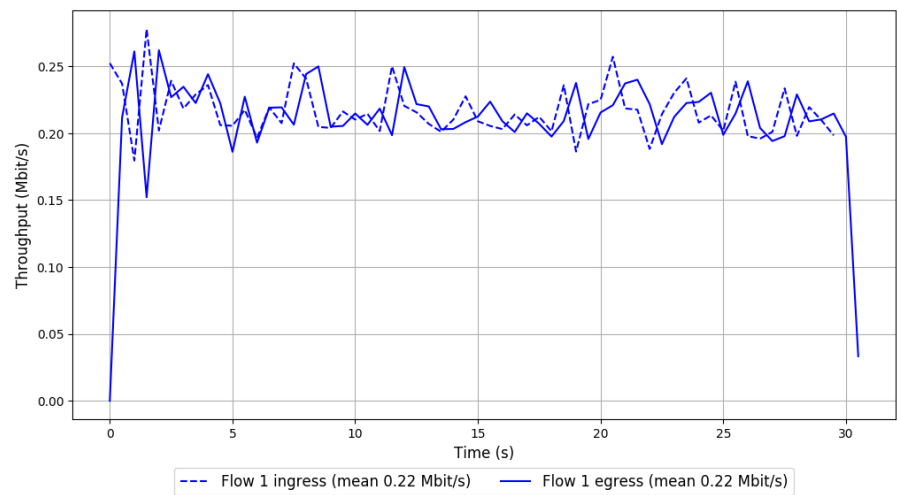


Run 8: Statistics of SCReAM

Start at: 2018-05-24 02:18:46
End at: 2018-05-24 02:19:16
Local clock offset: 2.321 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-05-24 03:16:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.948 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.948 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-05-24 02:38:57

End at: 2018-05-24 02:39:27

Local clock offset: 2.379 ms

Remote clock offset: 0.386 ms

Below is generated by plot.py at 2018-05-24 03:16:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 97.812 ms

Loss rate: 0.00%

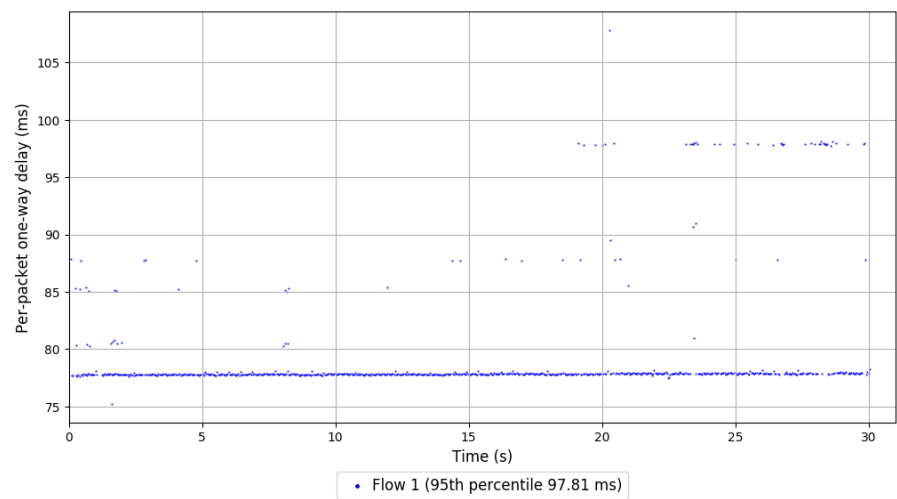
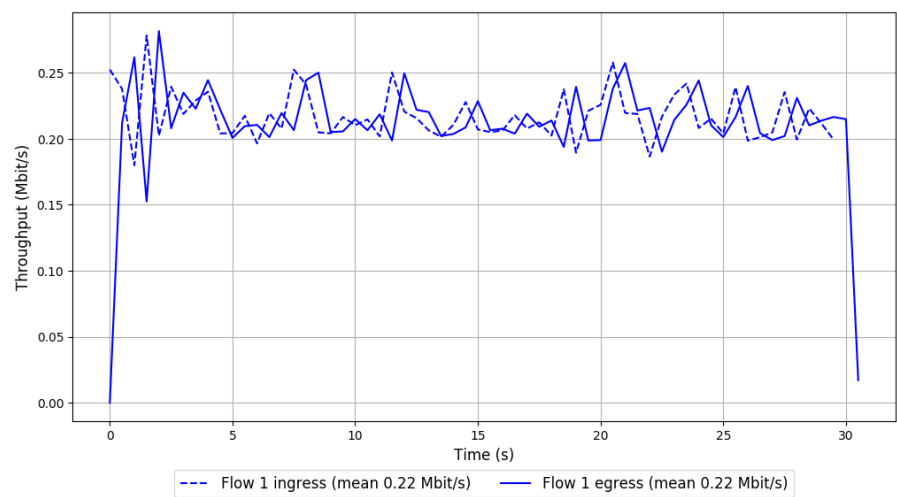
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 97.812 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-05-24 02:59:09

End at: 2018-05-24 02:59:39

Local clock offset: 2.664 ms

Remote clock offset: 0.68 ms

Below is generated by plot.py at 2018-05-24 03:16:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.706 ms

Loss rate: 0.00%

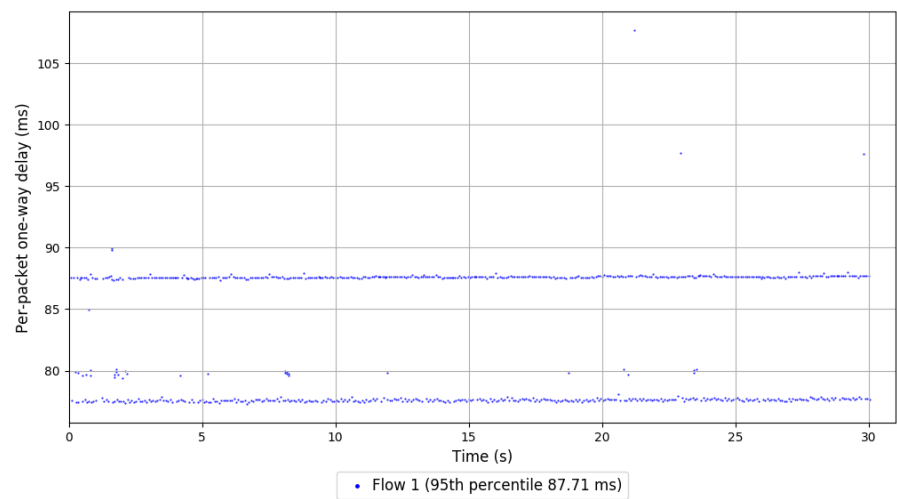
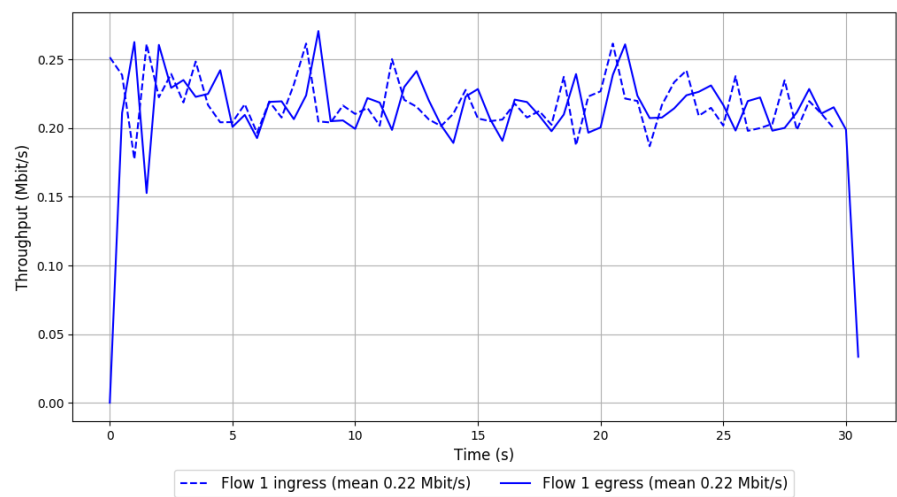
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.706 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

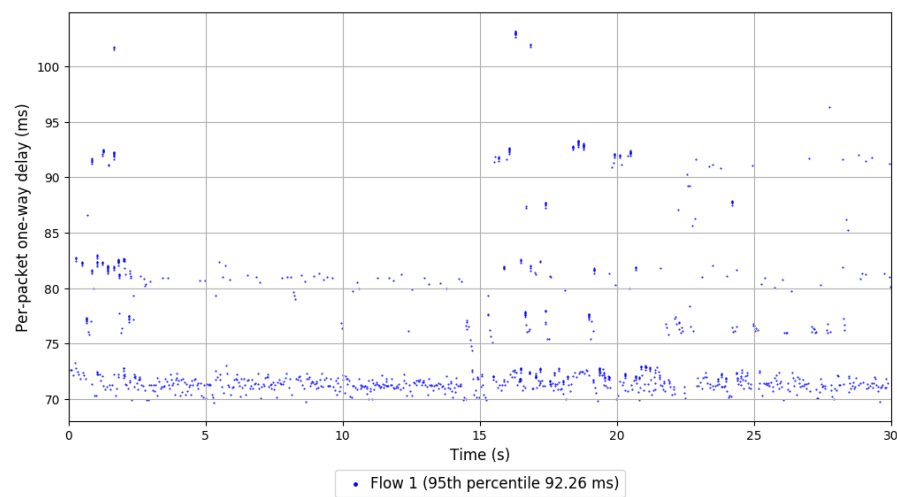
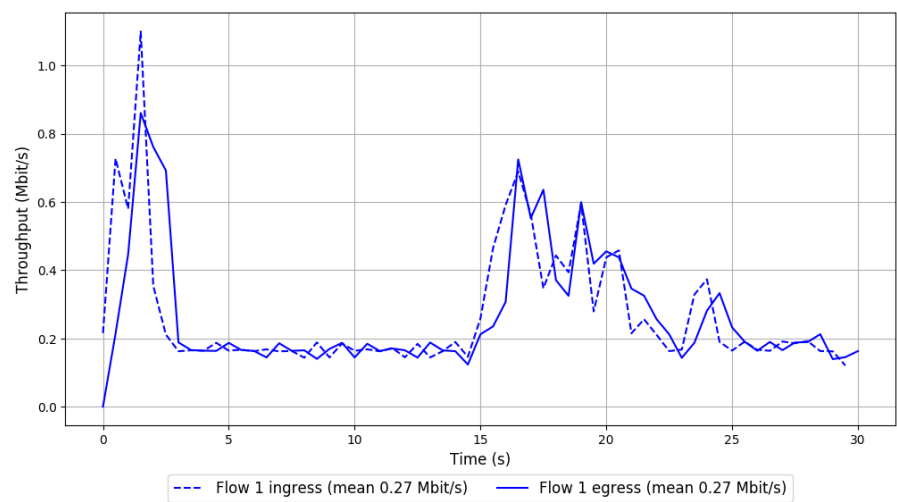


Run 1: Statistics of Sprout

Start at: 2018-05-24 00:07:23
End at: 2018-05-24 00:07:53
Local clock offset: -1.069 ms
Remote clock offset: -0.809 ms

Below is generated by plot.py at 2018-05-24 03:16:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 92.260 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 92.260 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

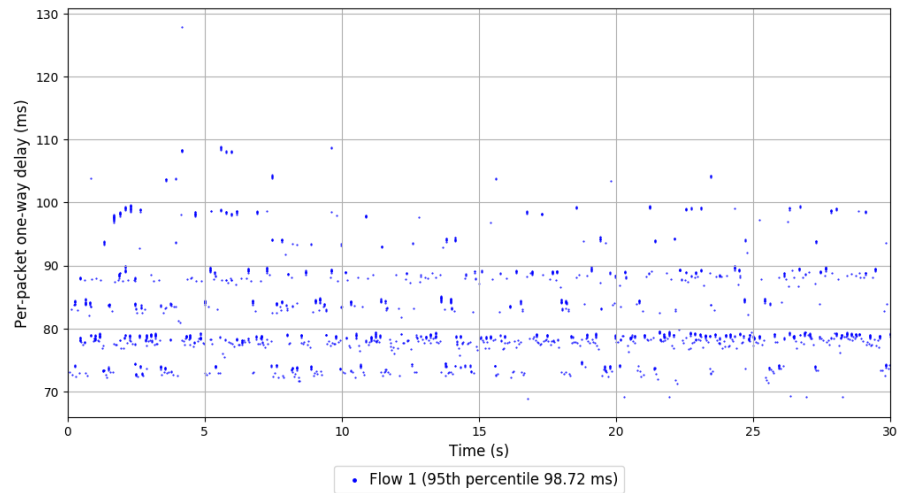
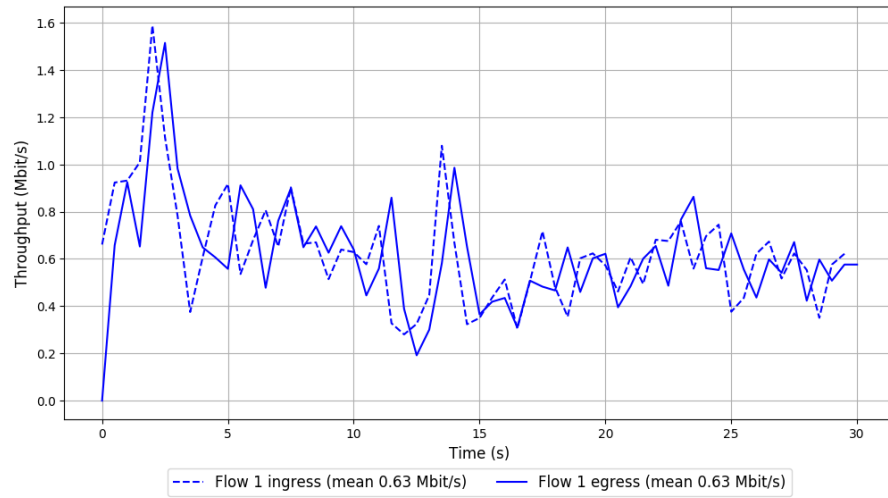


Run 2: Statistics of Sprout

Start at: 2018-05-24 00:27:35
End at: 2018-05-24 00:28:05
Local clock offset: -3.332 ms
Remote clock offset: -1.37 ms

Below is generated by plot.py at 2018-05-24 03:16:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 98.722 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 98.722 ms
Loss rate: 0.13%

Run 2: Report of Sprout — Data Link

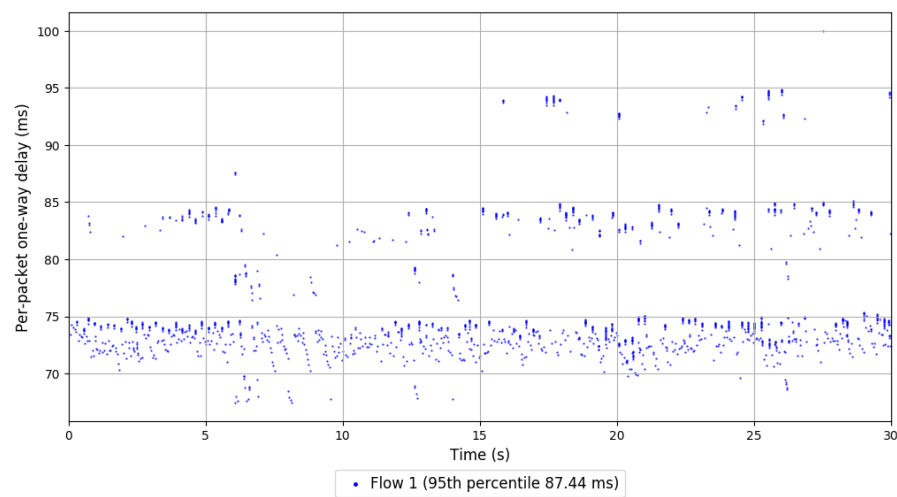
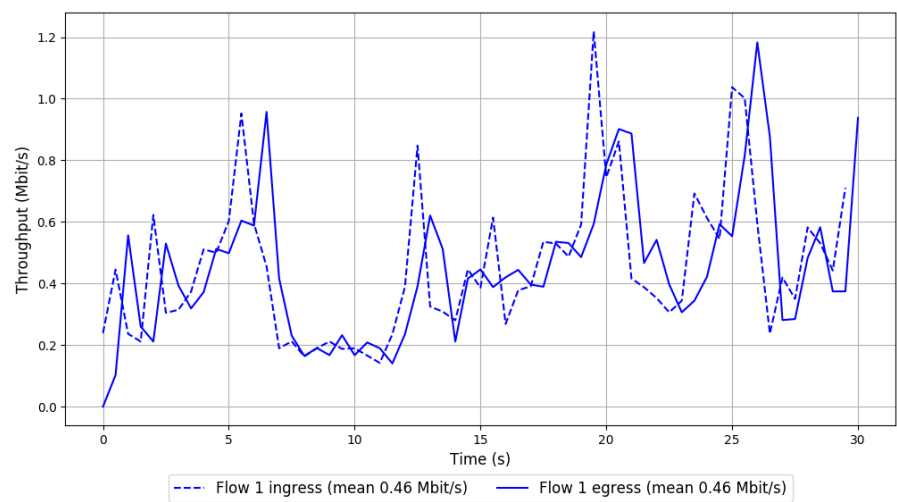


Run 3: Statistics of Sprout

Start at: 2018-05-24 00:47:46
End at: 2018-05-24 00:48:16
Local clock offset: 2.449 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-05-24 03:16:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 87.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 87.438 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

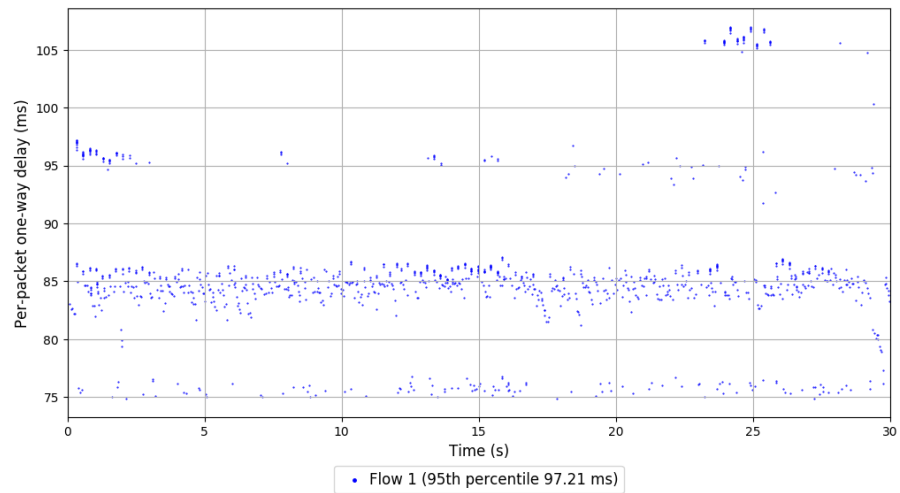
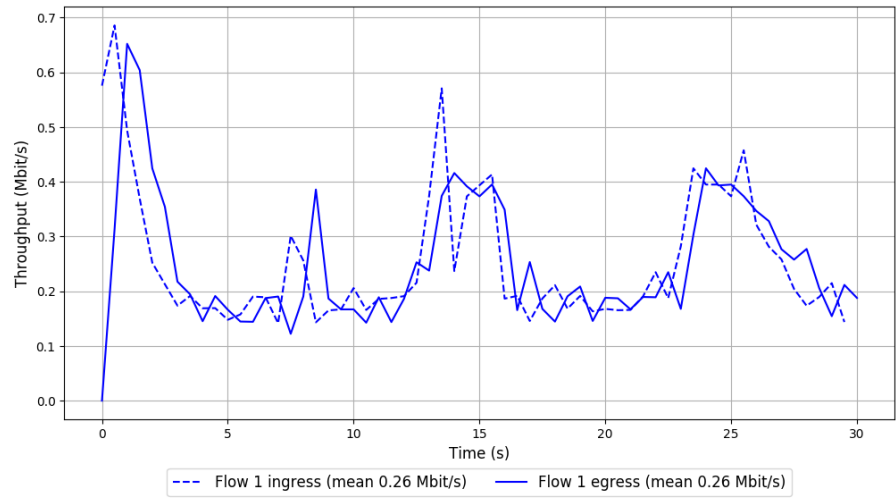


Run 4: Statistics of Sprout

Start at: 2018-05-24 01:07:59
End at: 2018-05-24 01:08:29
Local clock offset: 3.136 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2018-05-24 03:16:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 97.214 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 97.214 ms
Loss rate: 0.01%

Run 4: Report of Sprout — Data Link

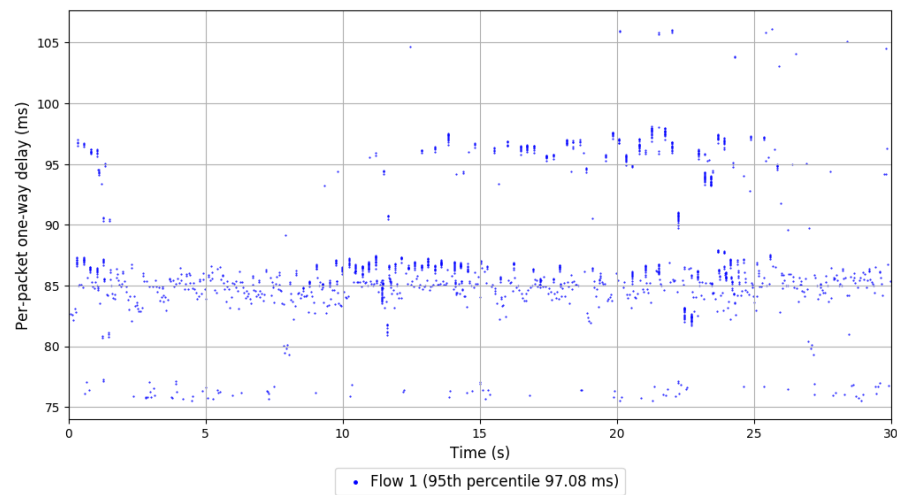
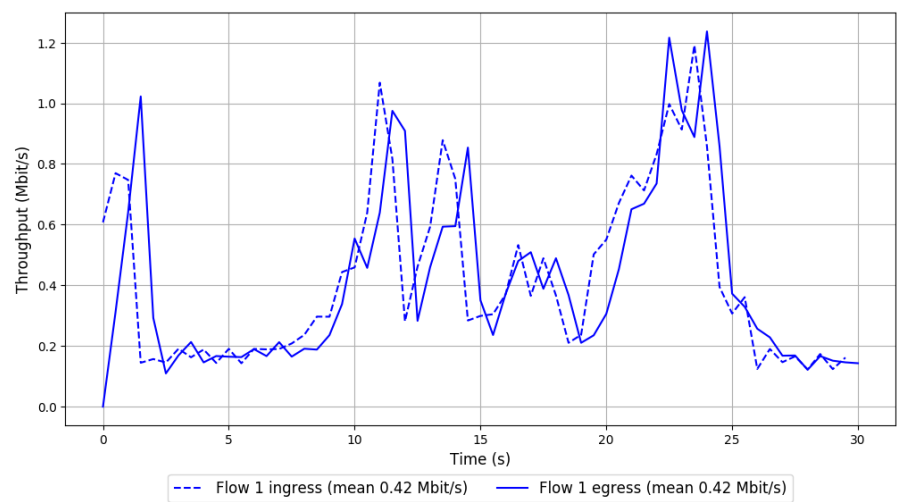


Run 5: Statistics of Sprout

Start at: 2018-05-24 01:28:10
End at: 2018-05-24 01:28:40
Local clock offset: 3.888 ms
Remote clock offset: -0.946 ms

Below is generated by plot.py at 2018-05-24 03:16:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 97.078 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 97.078 ms
Loss rate: 0.09%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-24 01:48:25

End at: 2018-05-24 01:48:55

Local clock offset: 4.341 ms

Remote clock offset: -0.65 ms

Below is generated by plot.py at 2018-05-24 03:16:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.93 Mbit/s

95th percentile per-packet one-way delay: 98.579 ms

Loss rate: 0.00%

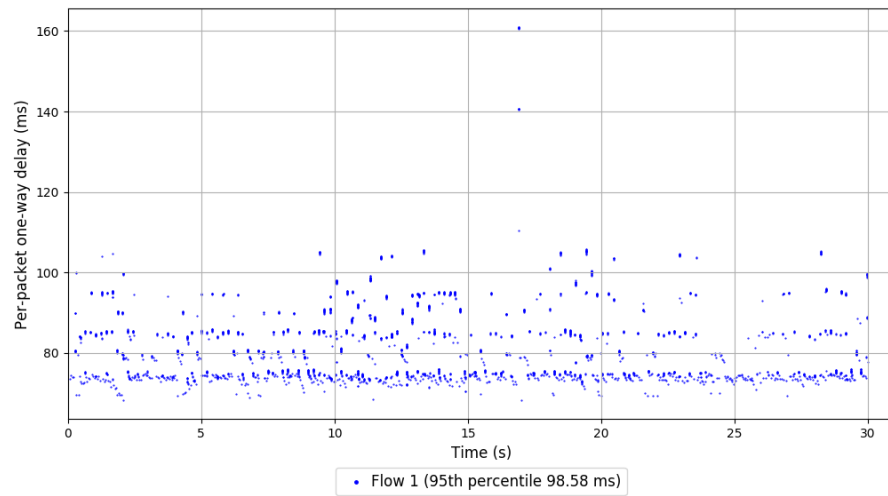
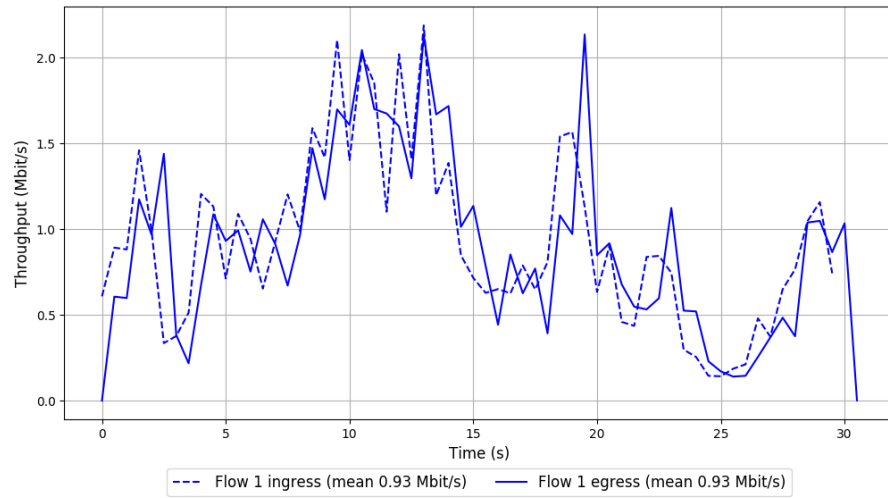
-- Flow 1:

Average throughput: 0.93 Mbit/s

95th percentile per-packet one-way delay: 98.579 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

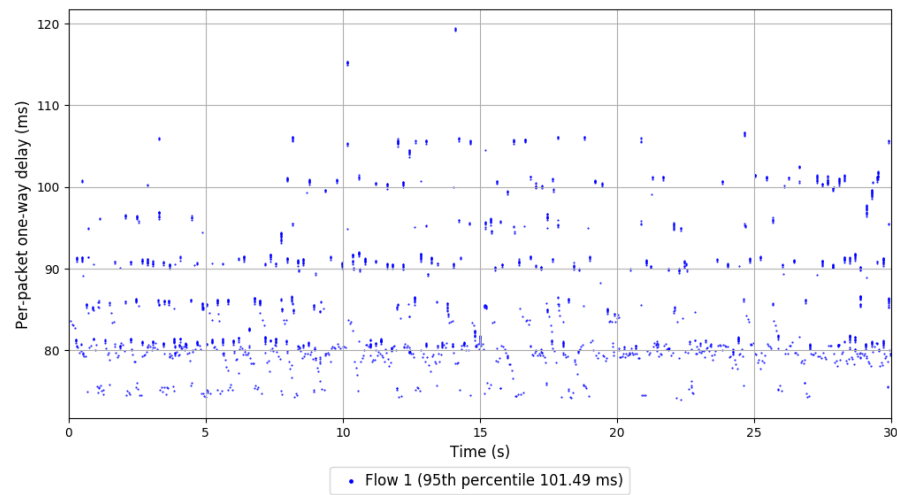
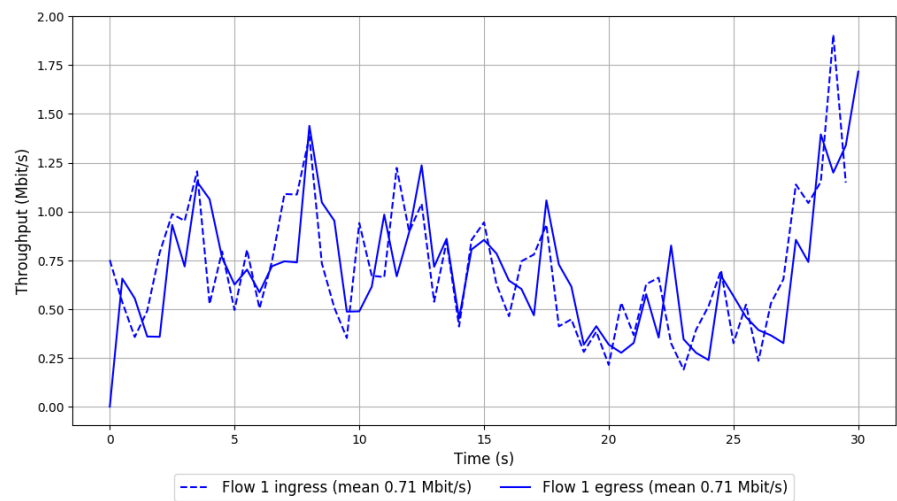


Run 7: Statistics of Sprout

Start at: 2018-05-24 02:08:42
End at: 2018-05-24 02:09:12
Local clock offset: 2.822 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-05-24 03:16:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 101.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 101.488 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-05-24 02:28:52

End at: 2018-05-24 02:29:22

Local clock offset: 2.306 ms

Remote clock offset: 0.189 ms

Below is generated by plot.py at 2018-05-24 03:16:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 105.154 ms

Loss rate: 0.00%

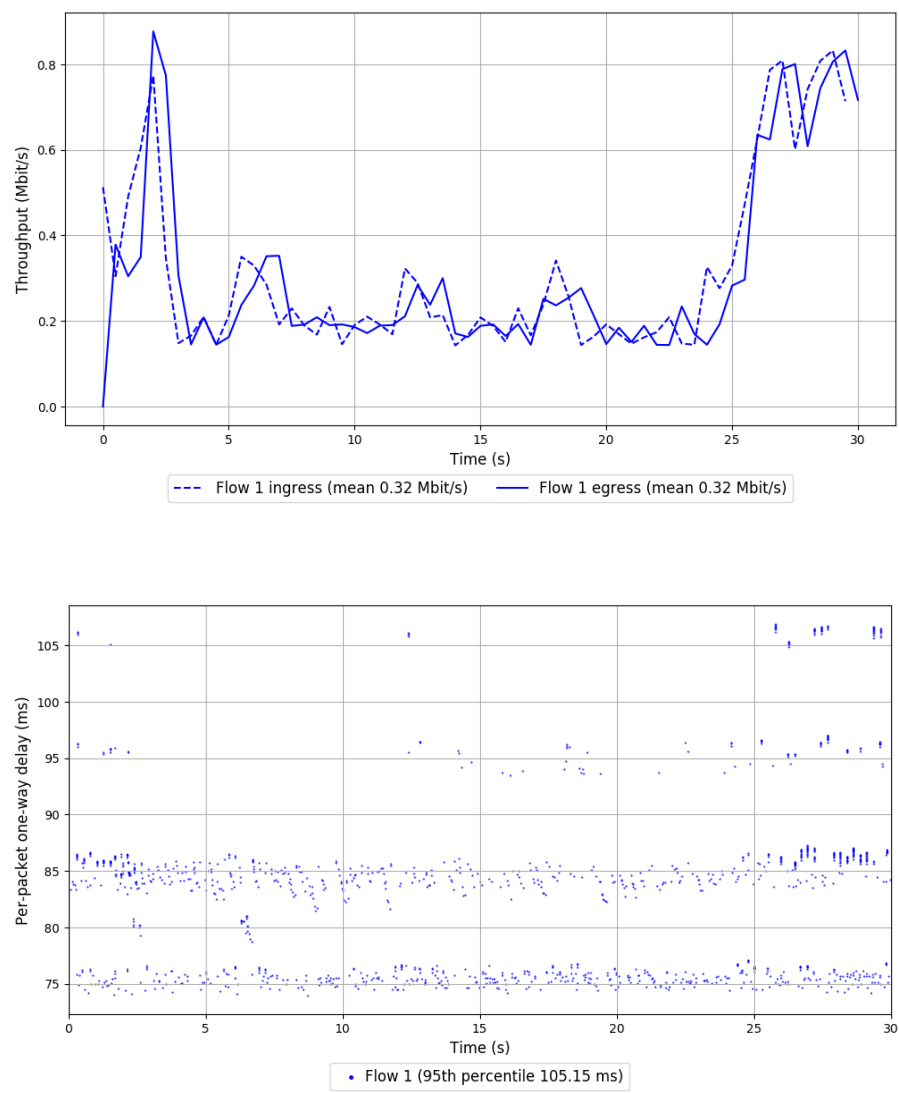
-- Flow 1:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 105.154 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-24 02:49:04

End at: 2018-05-24 02:49:34

Local clock offset: 2.371 ms

Remote clock offset: 0.514 ms

Below is generated by plot.py at 2018-05-24 03:16:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 92.352 ms

Loss rate: 0.00%

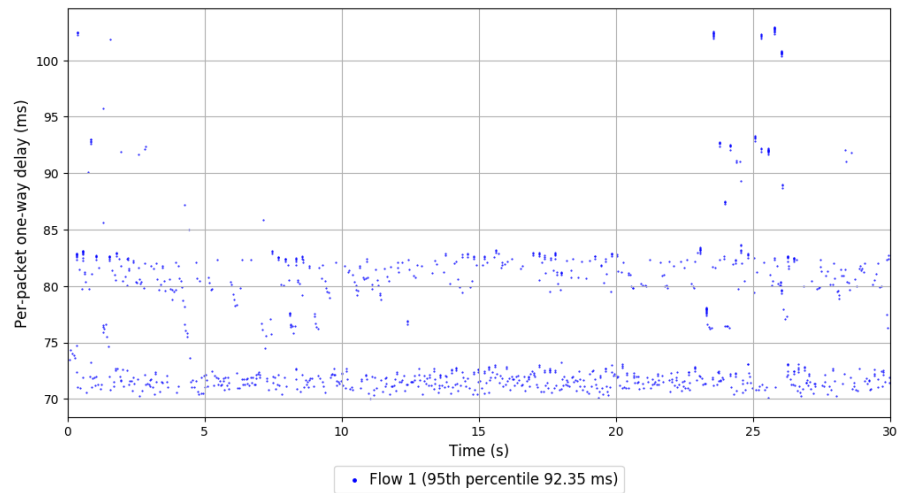
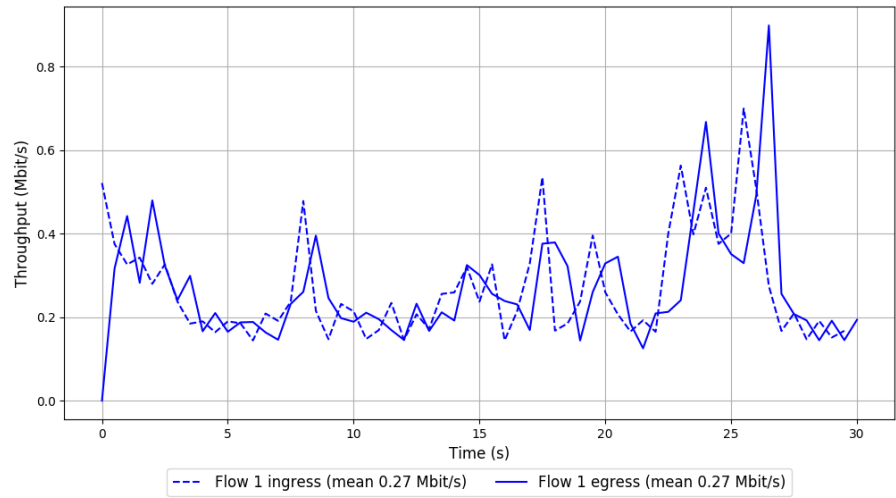
-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 92.352 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-24 03:09:15

End at: 2018-05-24 03:09:45

Local clock offset: 3.656 ms

Remote clock offset: 0.81 ms

Below is generated by plot.py at 2018-05-24 03:16:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 93.929 ms

Loss rate: 0.00%

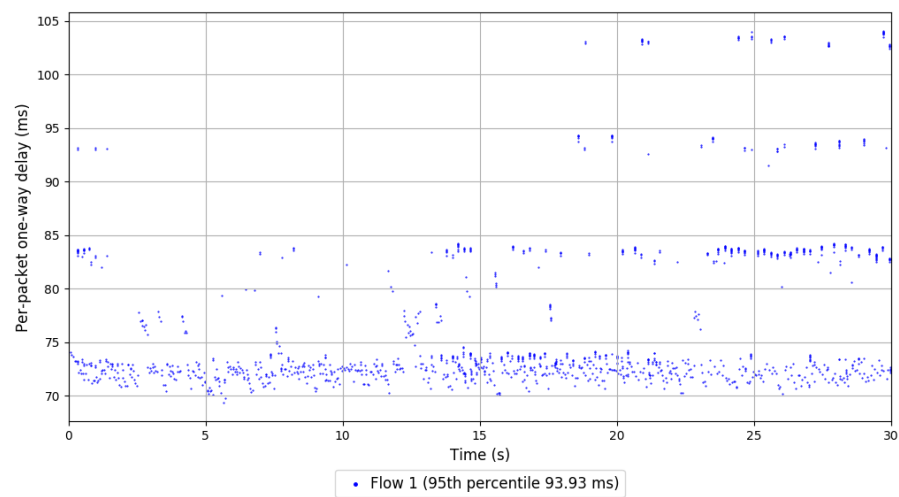
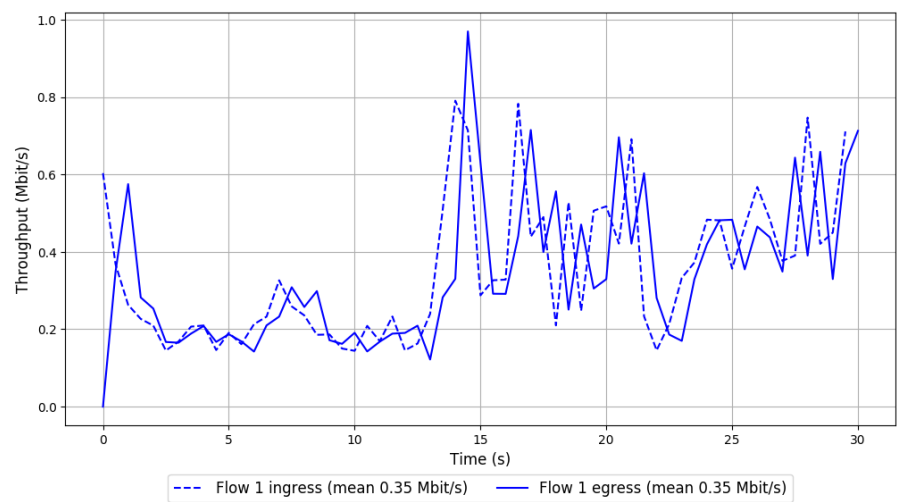
-- Flow 1:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 93.929 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-23 23:52:16

End at: 2018-05-23 23:52:46

Local clock offset: 7.446 ms

Remote clock offset: 0.13 ms

Below is generated by plot.py at 2018-05-24 03:16:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 100.167 ms

Loss rate: 0.05%

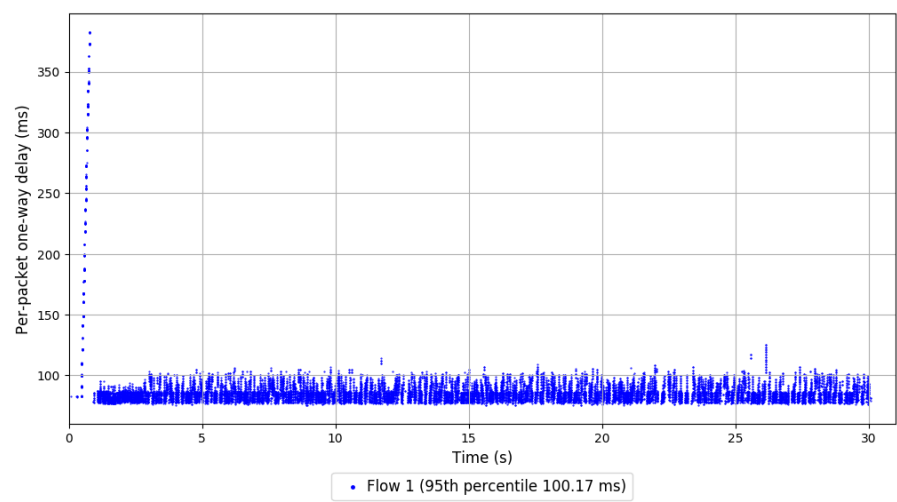
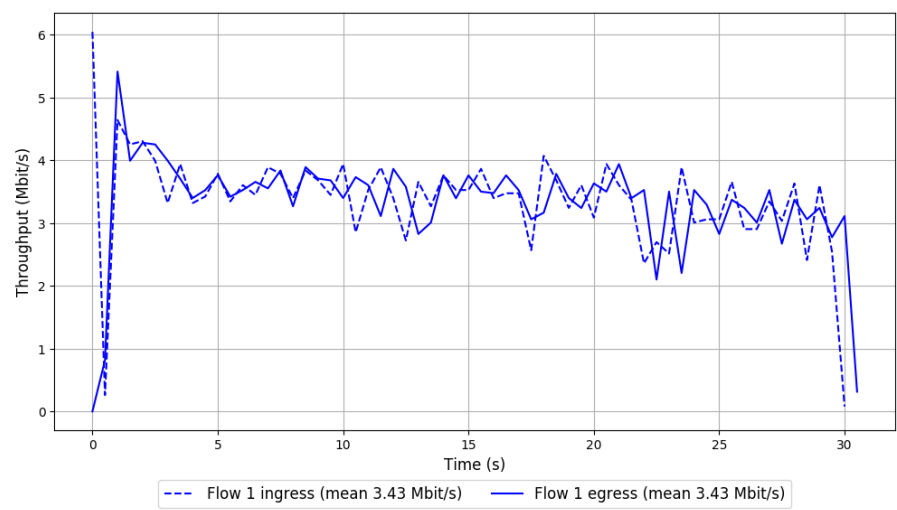
-- Flow 1:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 100.167 ms

Loss rate: 0.05%

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

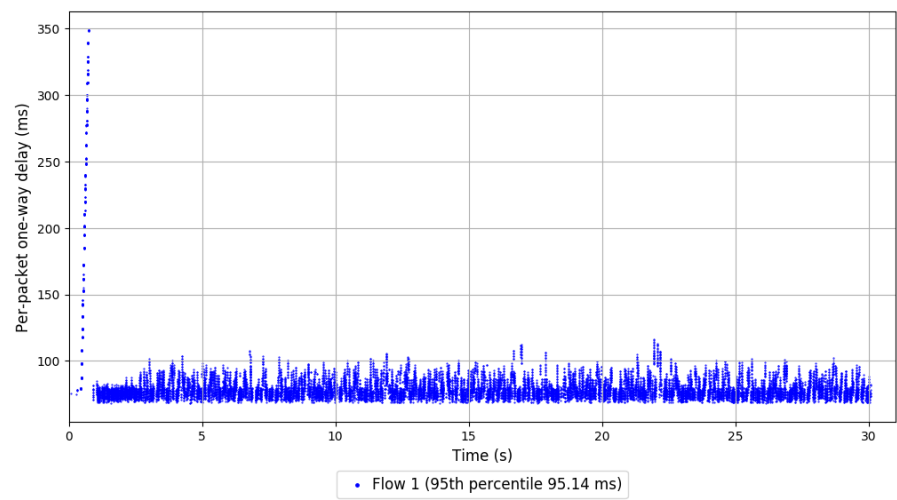
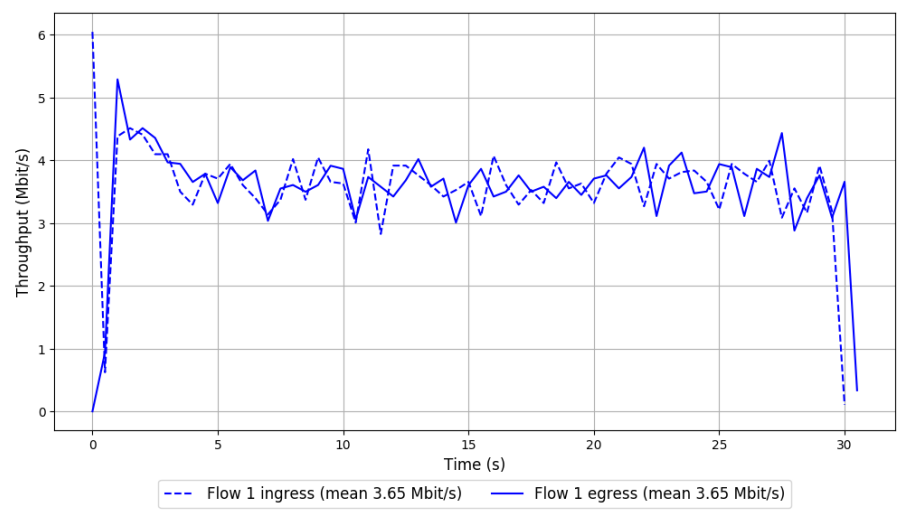


Run 2: Statistics of TaoVA-100x

Start at: 2018-05-24 00:12:27
End at: 2018-05-24 00:12:57
Local clock offset: -2.567 ms
Remote clock offset: -1.011 ms

Below is generated by plot.py at 2018-05-24 03:16:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.65 Mbit/s
95th percentile per-packet one-way delay: 95.141 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 3.65 Mbit/s
95th percentile per-packet one-way delay: 95.141 ms
Loss rate: 0.07%

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

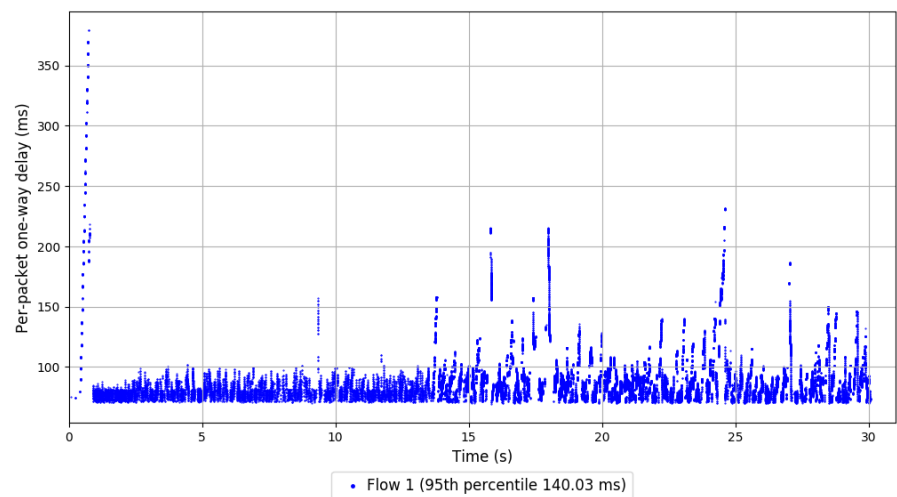
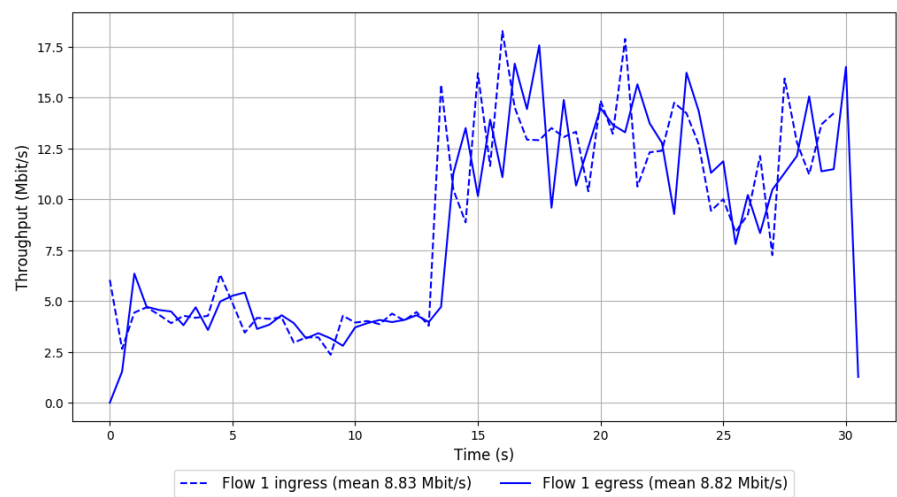


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-24 00:32:37
End at: 2018-05-24 00:33:07
Local clock offset: -0.622 ms
Remote clock offset: -1.181 ms

Below is generated by plot.py at 2018-05-24 03:16:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.82 Mbit/s
95th percentile per-packet one-way delay: 140.028 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 8.82 Mbit/s
95th percentile per-packet one-way delay: 140.028 ms
Loss rate: 0.04%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-24 00:52:50

End at: 2018-05-24 00:53:20

Local clock offset: 3.001 ms

Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-05-24 03:16:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.96 Mbit/s

95th percentile per-packet one-way delay: 108.853 ms

Loss rate: 0.05%

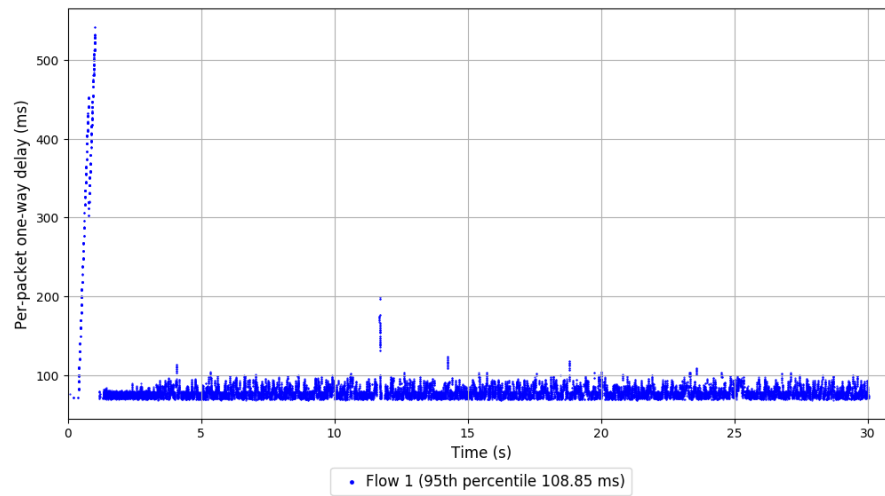
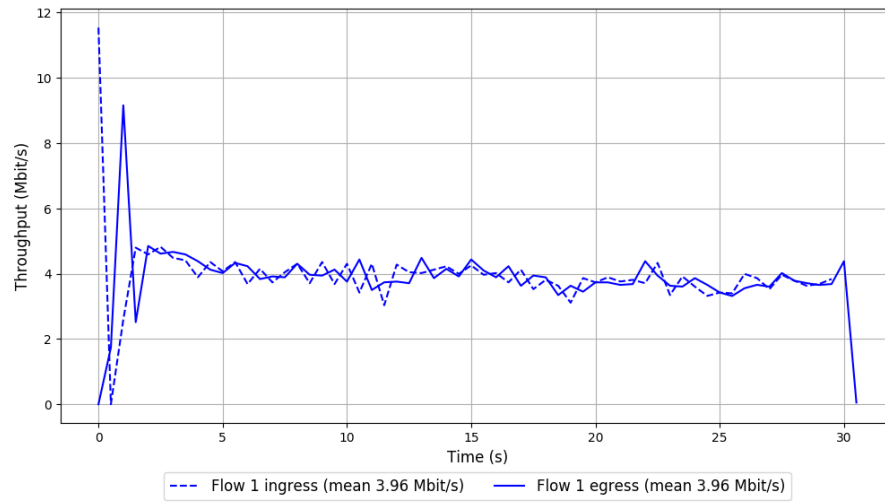
-- Flow 1:

Average throughput: 3.96 Mbit/s

95th percentile per-packet one-way delay: 108.853 ms

Loss rate: 0.05%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-24 01:13:02

End at: 2018-05-24 01:13:32

Local clock offset: 3.353 ms

Remote clock offset: -0.563 ms

Below is generated by plot.py at 2018-05-24 03:16:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.25 Mbit/s

95th percentile per-packet one-way delay: 105.859 ms

Loss rate: 0.16%

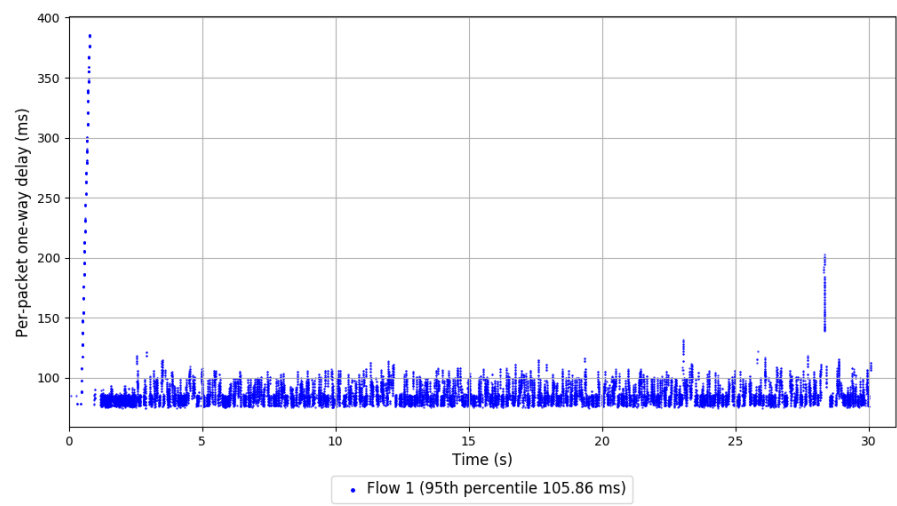
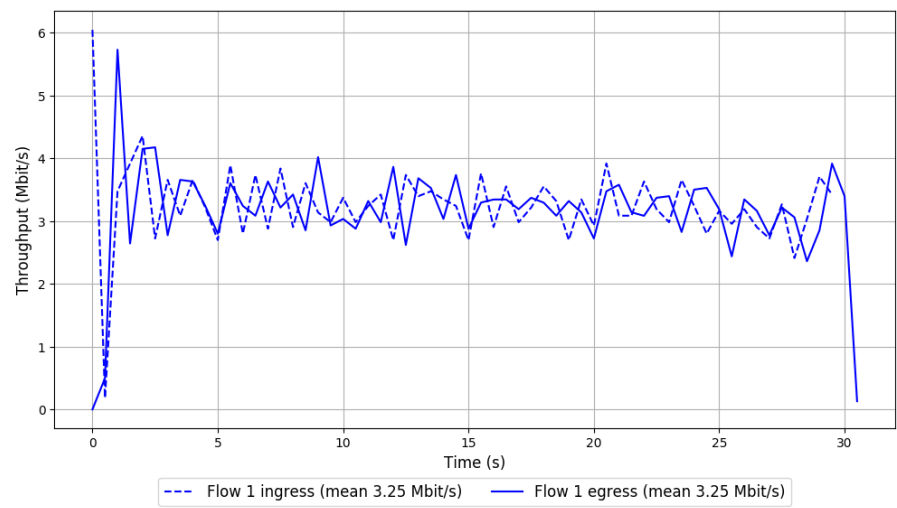
-- Flow 1:

Average throughput: 3.25 Mbit/s

95th percentile per-packet one-way delay: 105.859 ms

Loss rate: 0.16%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-24 01:33:14

End at: 2018-05-24 01:33:44

Local clock offset: 3.918 ms

Remote clock offset: -0.975 ms

Below is generated by plot.py at 2018-05-24 03:16:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.22 Mbit/s

95th percentile per-packet one-way delay: 116.179 ms

Loss rate: 0.00%

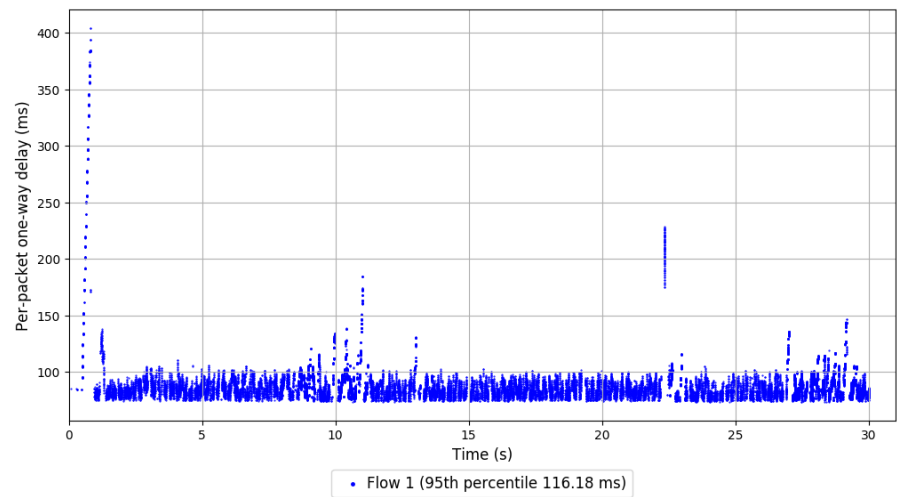
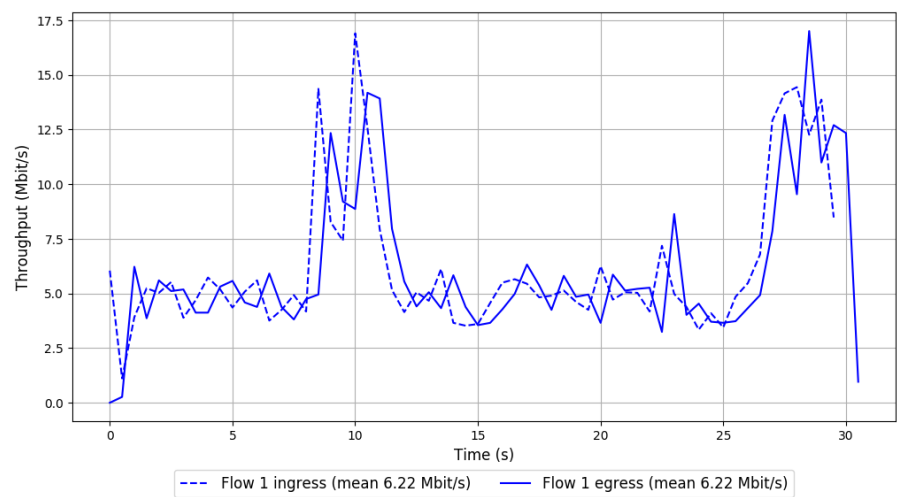
-- Flow 1:

Average throughput: 6.22 Mbit/s

95th percentile per-packet one-way delay: 116.179 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-24 01:53:28

End at: 2018-05-24 01:53:58

Local clock offset: 4.538 ms

Remote clock offset: -0.582 ms

Below is generated by plot.py at 2018-05-24 03:16:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.44 Mbit/s

95th percentile per-packet one-way delay: 102.151 ms

Loss rate: 0.09%

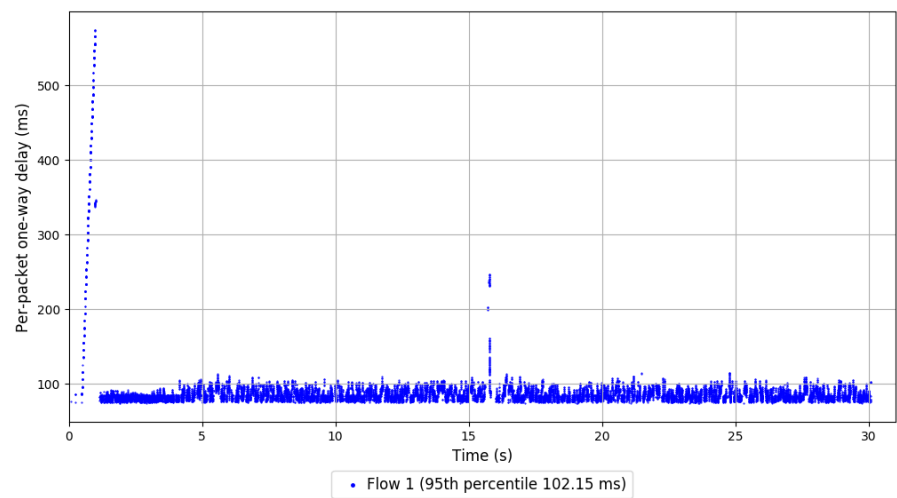
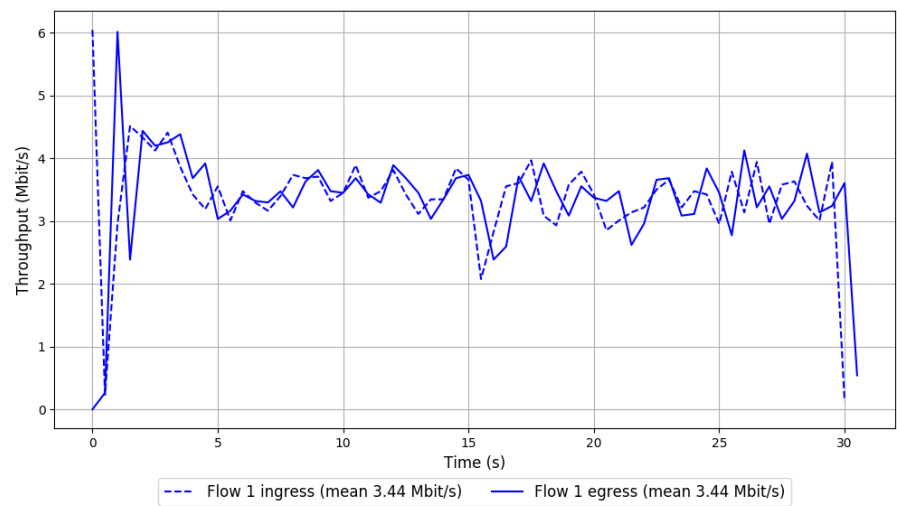
-- Flow 1:

Average throughput: 3.44 Mbit/s

95th percentile per-packet one-way delay: 102.151 ms

Loss rate: 0.09%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-24 02:13:44

End at: 2018-05-24 02:14:14

Local clock offset: 2.581 ms

Remote clock offset: -0.367 ms

Below is generated by plot.py at 2018-05-24 03:16:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 102.075 ms

Loss rate: 0.00%

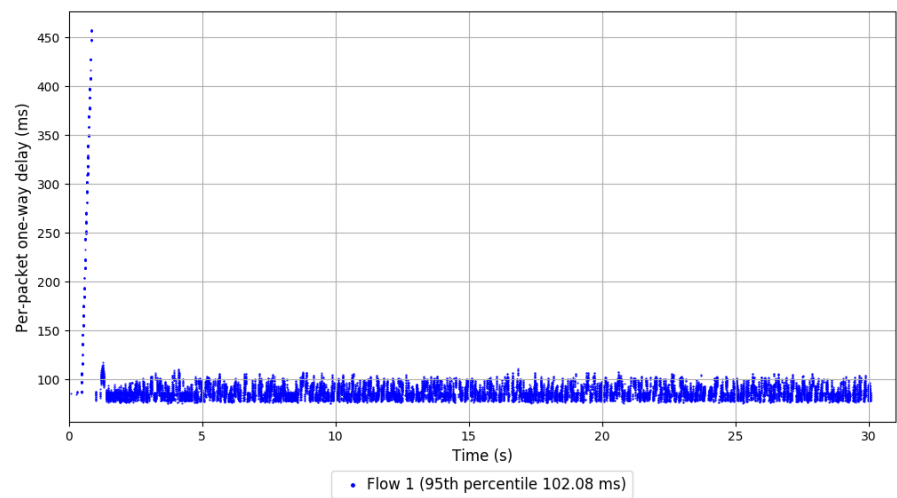
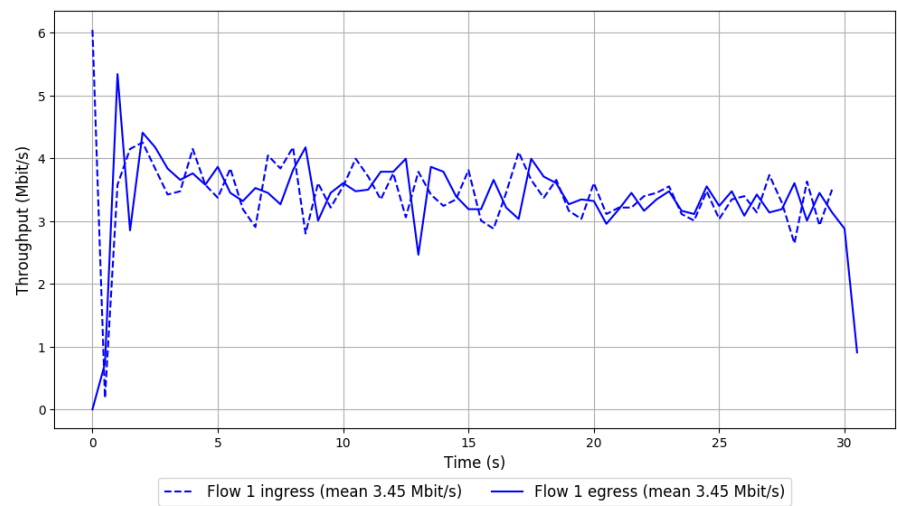
-- Flow 1:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 102.075 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-24 02:33:55

End at: 2018-05-24 02:34:25

Local clock offset: 2.357 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2018-05-24 03:16:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.06 Mbit/s

95th percentile per-packet one-way delay: 100.300 ms

Loss rate: 0.13%

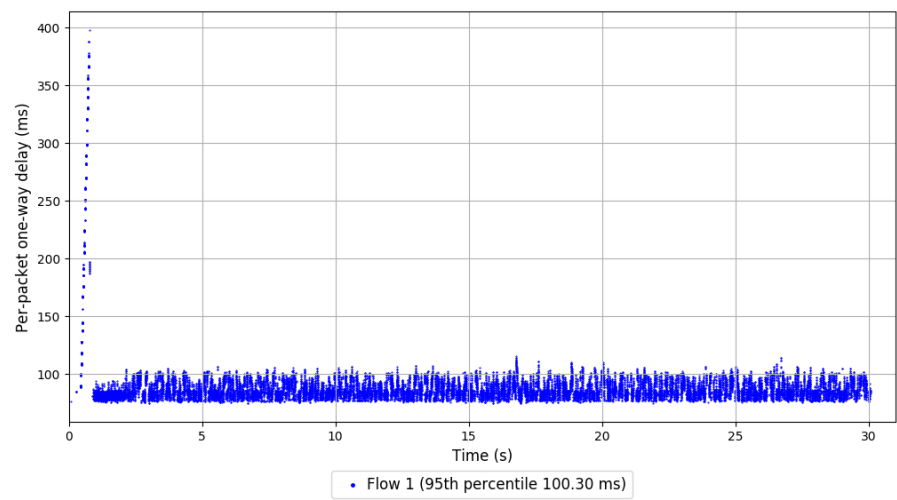
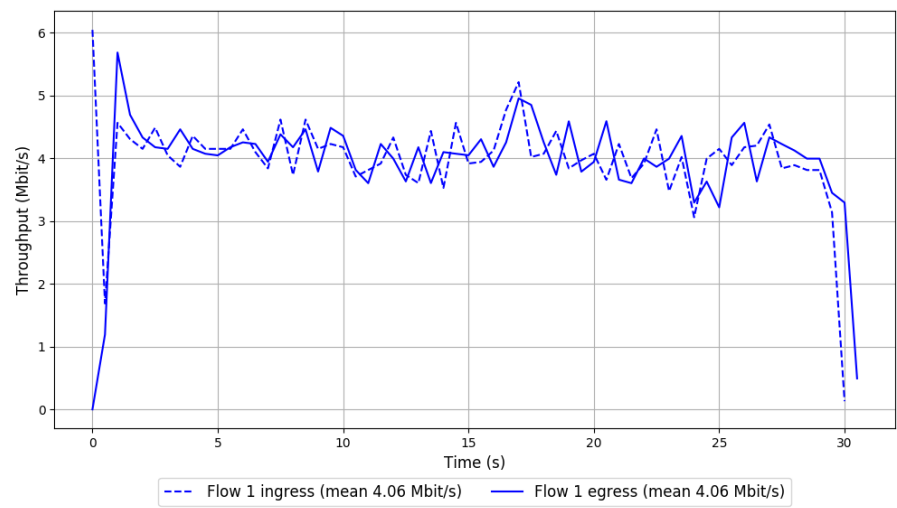
-- Flow 1:

Average throughput: 4.06 Mbit/s

95th percentile per-packet one-way delay: 100.300 ms

Loss rate: 0.13%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-24 02:54:07

End at: 2018-05-24 02:54:37

Local clock offset: 2.405 ms

Remote clock offset: 0.642 ms

Below is generated by plot.py at 2018-05-24 03:16:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.52 Mbit/s

95th percentile per-packet one-way delay: 92.354 ms

Loss rate: 0.02%

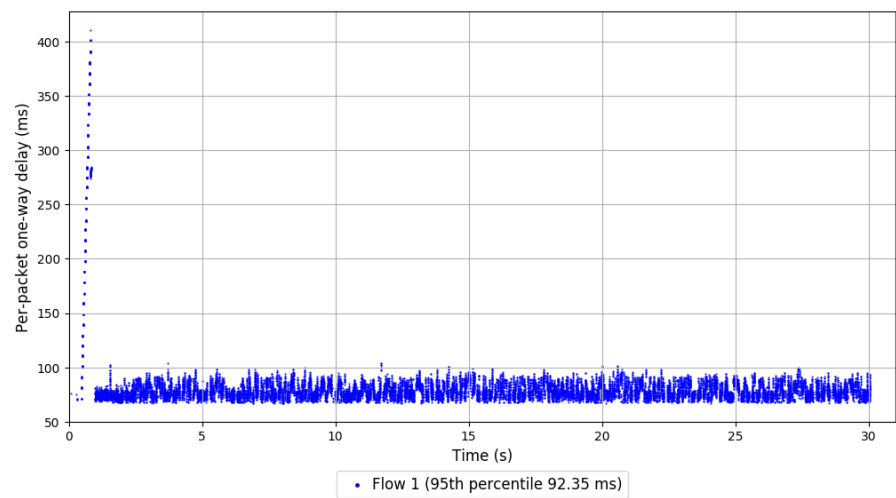
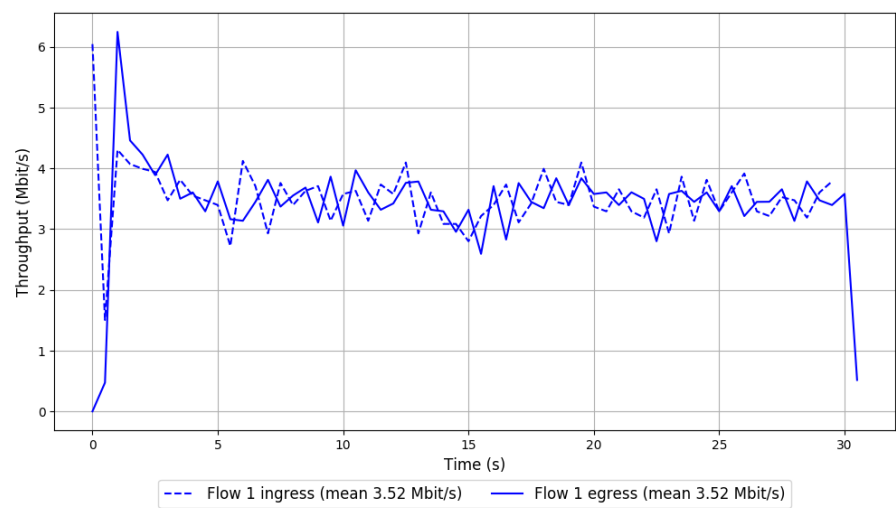
-- Flow 1:

Average throughput: 3.52 Mbit/s

95th percentile per-packet one-way delay: 92.354 ms

Loss rate: 0.02%

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

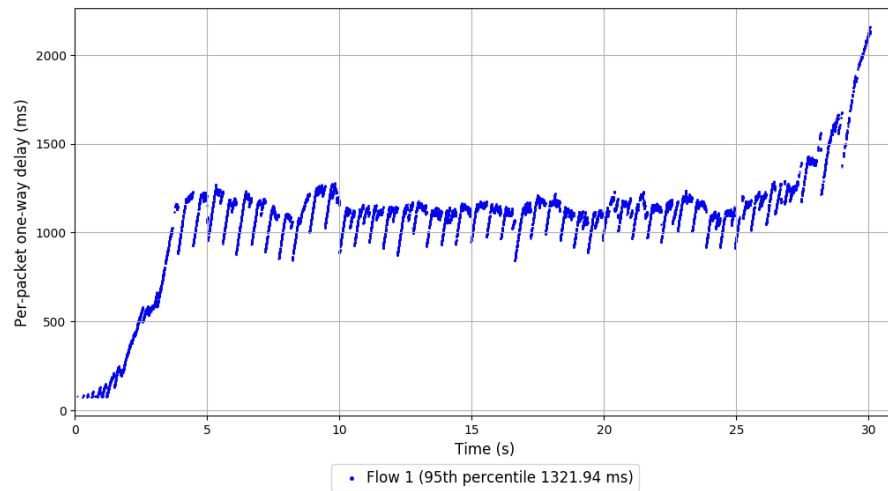
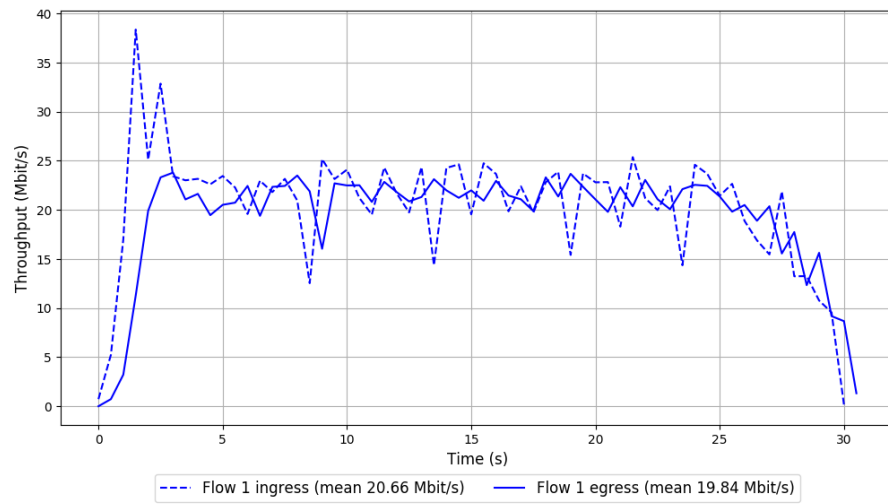


Run 1: Statistics of TCP Vegas

Start at: 2018-05-24 00:11:10
End at: 2018-05-24 00:11:40
Local clock offset: -2.375 ms
Remote clock offset: -0.937 ms

Below is generated by plot.py at 2018-05-24 03:16:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.84 Mbit/s
95th percentile per-packet one-way delay: 1321.936 ms
Loss rate: 3.99%
-- Flow 1:
Average throughput: 19.84 Mbit/s
95th percentile per-packet one-way delay: 1321.936 ms
Loss rate: 3.99%

Run 1: Report of TCP Vegas — Data Link

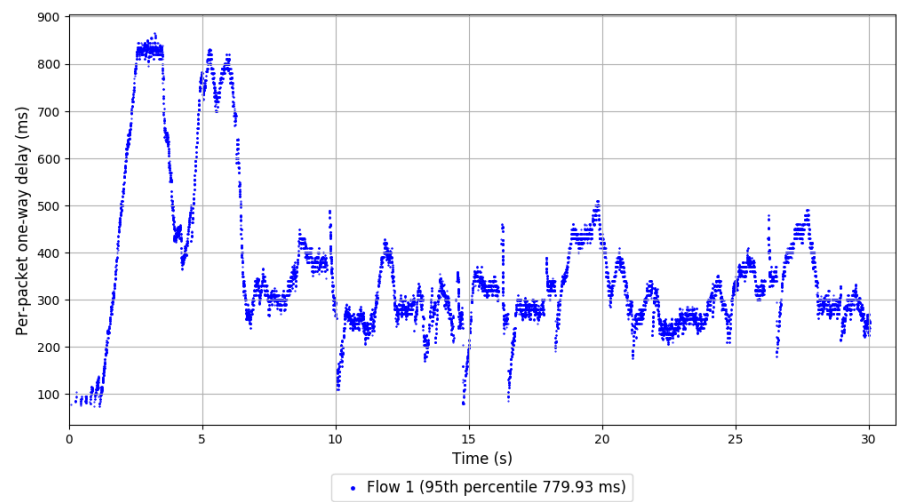
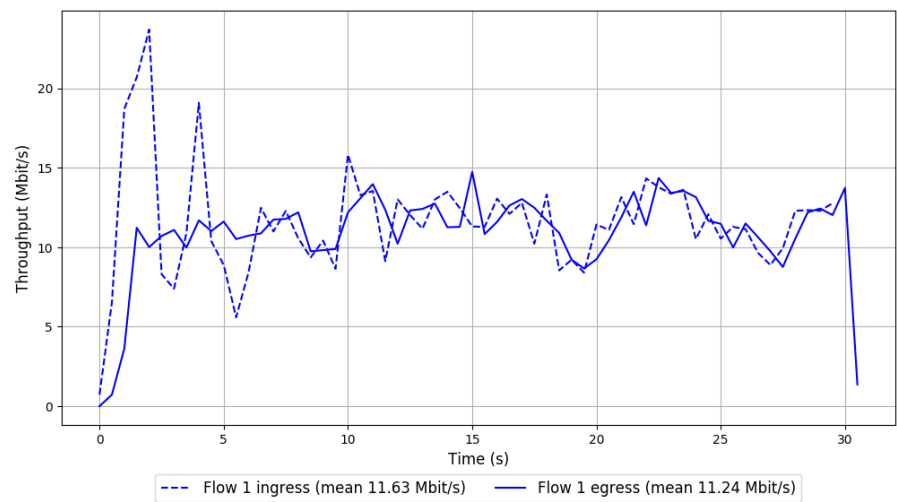


Run 2: Statistics of TCP Vegas

Start at: 2018-05-24 00:31:21
End at: 2018-05-24 00:31:51
Local clock offset: -1.157 ms
Remote clock offset: -1.319 ms

Below is generated by plot.py at 2018-05-24 03:16:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 779.927 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 779.927 ms
Loss rate: 3.39%

Run 2: Report of TCP Vegas — Data Link

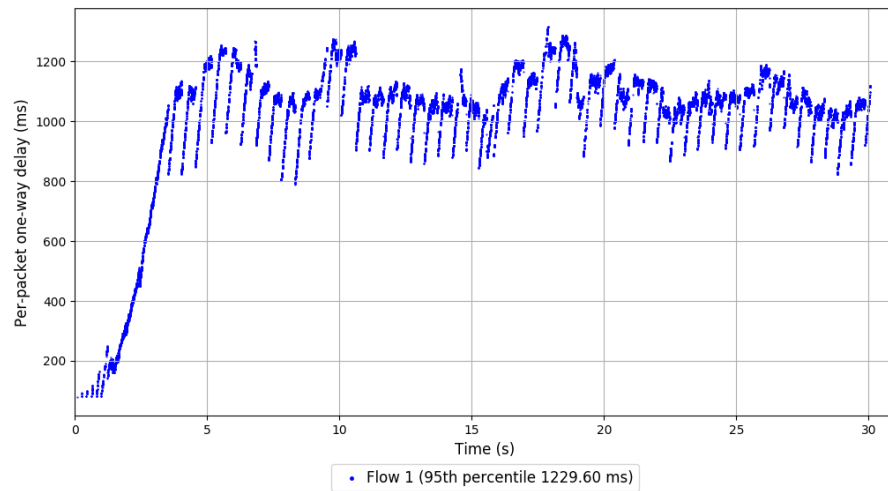
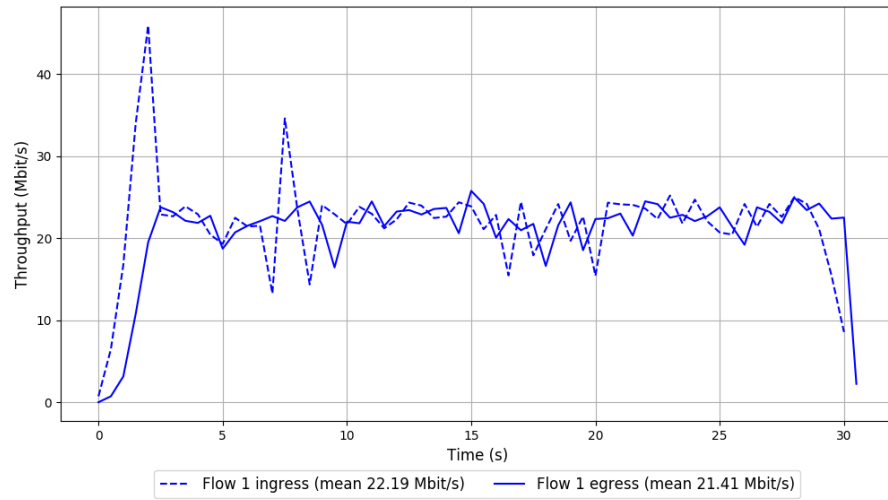


Run 3: Statistics of TCP Vegas

Start at: 2018-05-24 00:51:34
End at: 2018-05-24 00:52:04
Local clock offset: 2.878 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-05-24 03:16:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.41 Mbit/s
95th percentile per-packet one-way delay: 1229.597 ms
Loss rate: 3.57%
-- Flow 1:
Average throughput: 21.41 Mbit/s
95th percentile per-packet one-way delay: 1229.597 ms
Loss rate: 3.57%

Run 3: Report of TCP Vegas — Data Link

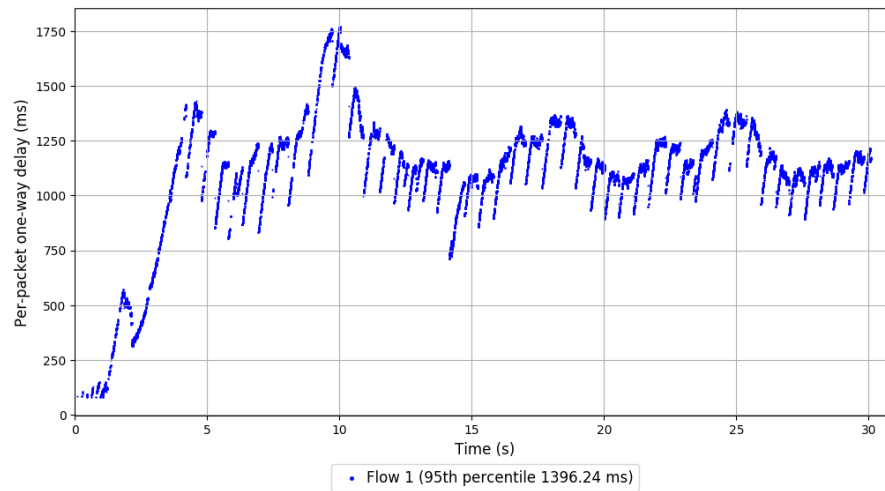
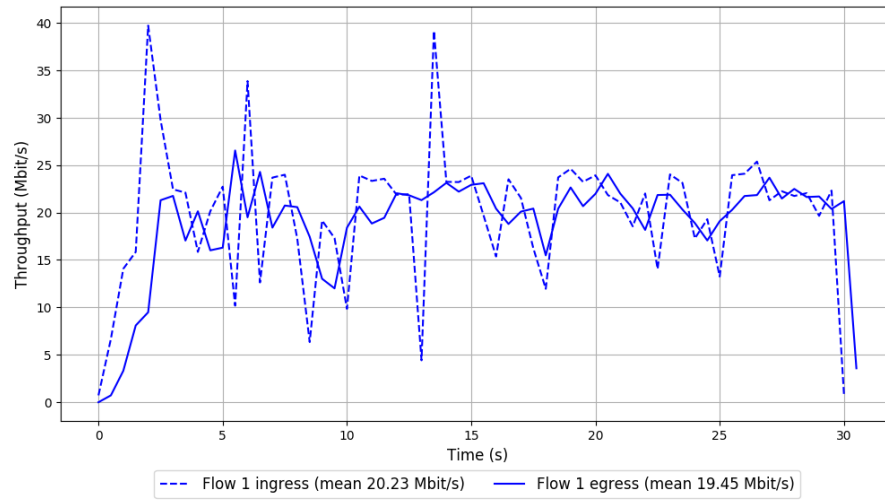


Run 4: Statistics of TCP Vegas

Start at: 2018-05-24 01:11:46
End at: 2018-05-24 01:12:16
Local clock offset: 3.21 ms
Remote clock offset: -0.553 ms

Below is generated by plot.py at 2018-05-24 03:16:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.45 Mbit/s
95th percentile per-packet one-way delay: 1396.238 ms
Loss rate: 3.89%
-- Flow 1:
Average throughput: 19.45 Mbit/s
95th percentile per-packet one-way delay: 1396.238 ms
Loss rate: 3.89%

Run 4: Report of TCP Vegas — Data Link

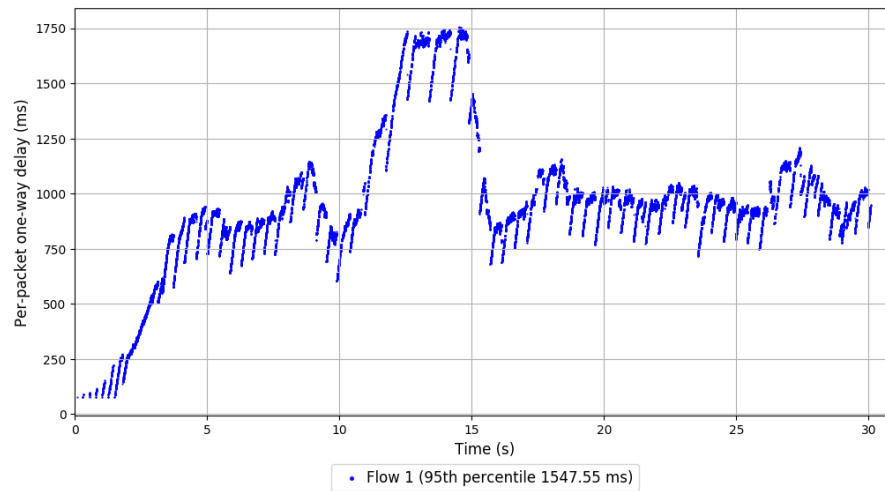
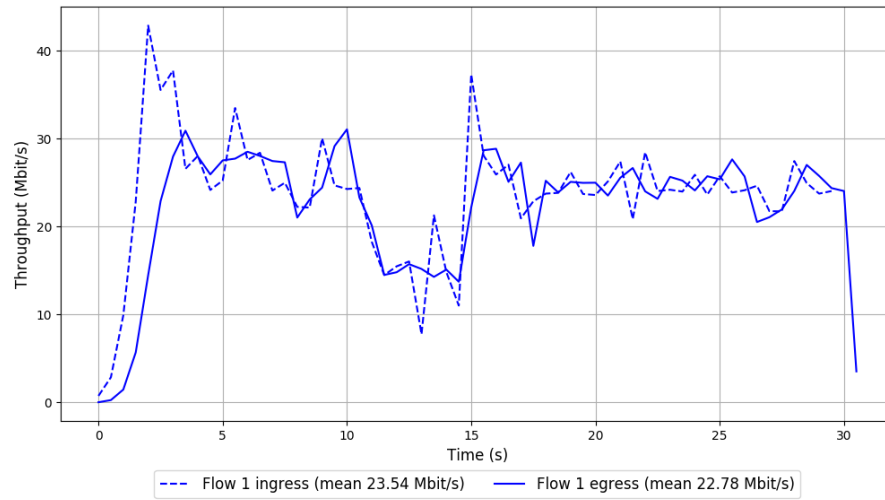


Run 5: Statistics of TCP Vegas

Start at: 2018-05-24 01:31:58
End at: 2018-05-24 01:32:28
Local clock offset: 3.75 ms
Remote clock offset: -0.946 ms

Below is generated by plot.py at 2018-05-24 03:17:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.78 Mbit/s
95th percentile per-packet one-way delay: 1547.551 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 22.78 Mbit/s
95th percentile per-packet one-way delay: 1547.551 ms
Loss rate: 3.02%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-24 01:52:12

End at: 2018-05-24 01:52:42

Local clock offset: 4.759 ms

Remote clock offset: -0.6 ms

Below is generated by plot.py at 2018-05-24 03:17:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 100.486 ms

Loss rate: 0.09%

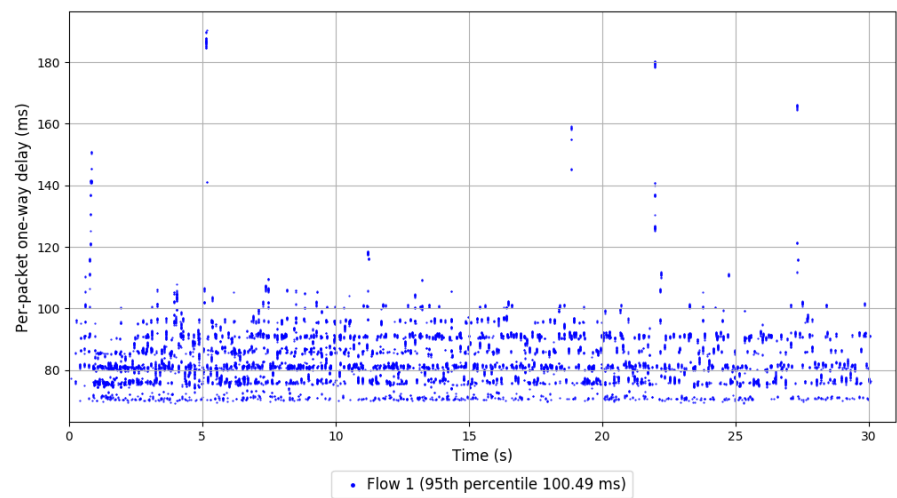
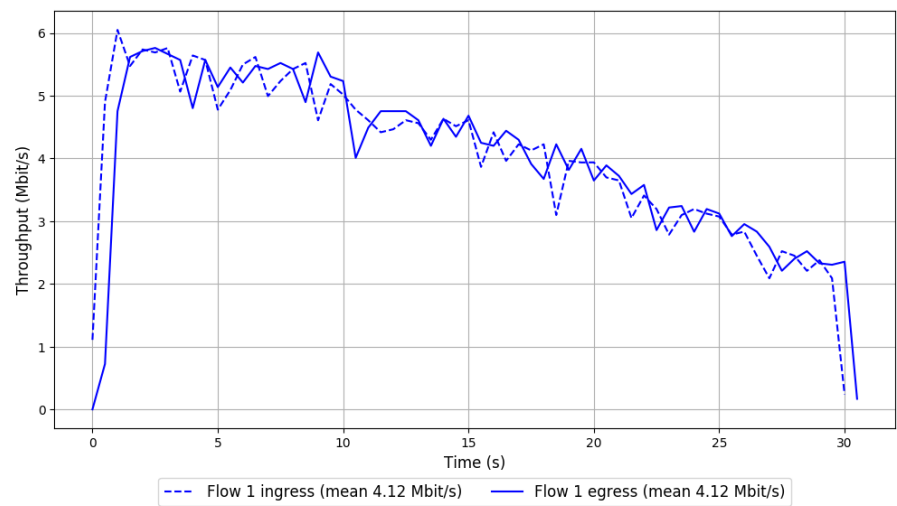
-- Flow 1:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 100.486 ms

Loss rate: 0.09%

Run 6: Report of TCP Vegas — Data Link

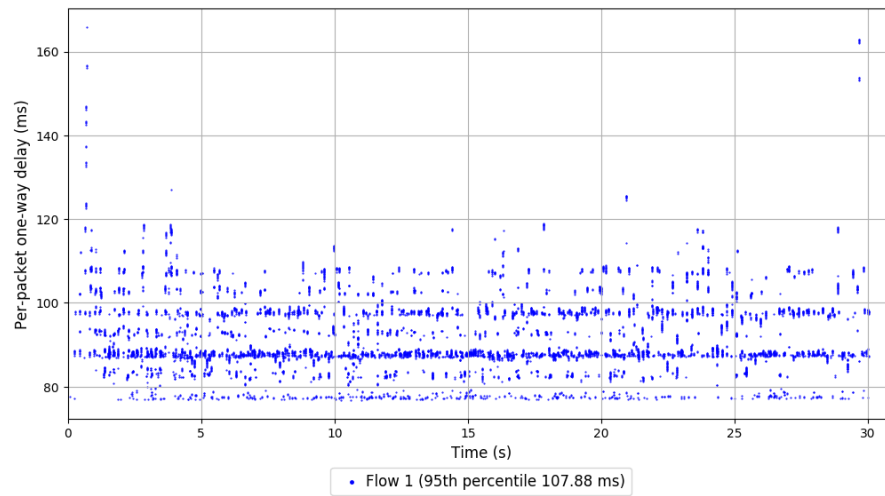
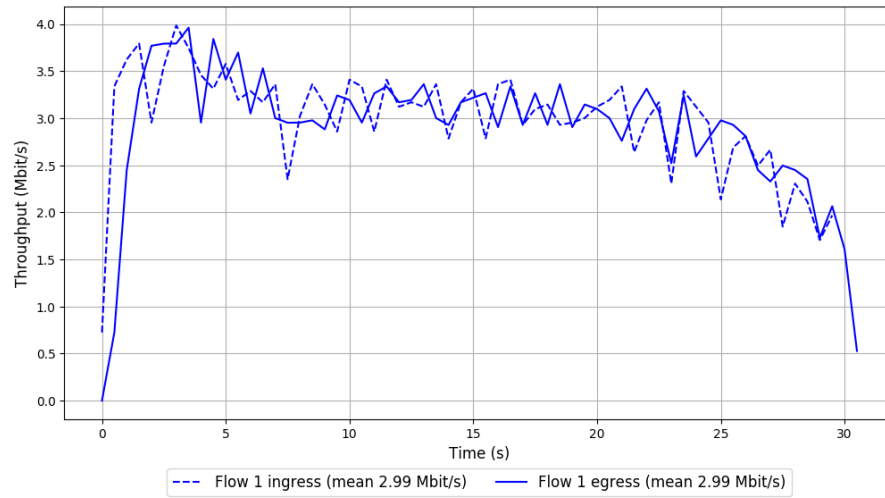


Run 7: Statistics of TCP Vegas

Start at: 2018-05-24 02:12:28
End at: 2018-05-24 02:12:58
Local clock offset: 2.759 ms
Remote clock offset: -0.401 ms

Below is generated by plot.py at 2018-05-24 03:17:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 107.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 107.878 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-24 02:32:39

End at: 2018-05-24 02:33:09

Local clock offset: 2.512 ms

Remote clock offset: 0.337 ms

Below is generated by plot.py at 2018-05-24 03:17:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.95 Mbit/s

95th percentile per-packet one-way delay: 1633.498 ms

Loss rate: 4.43%

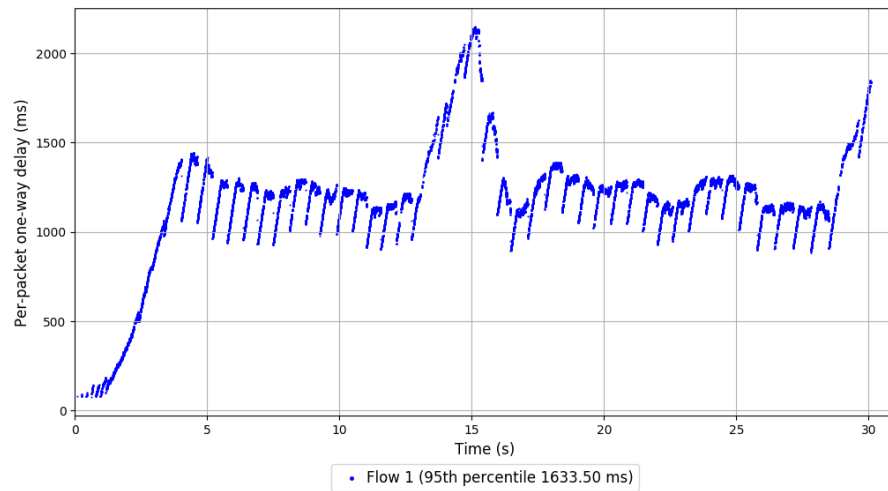
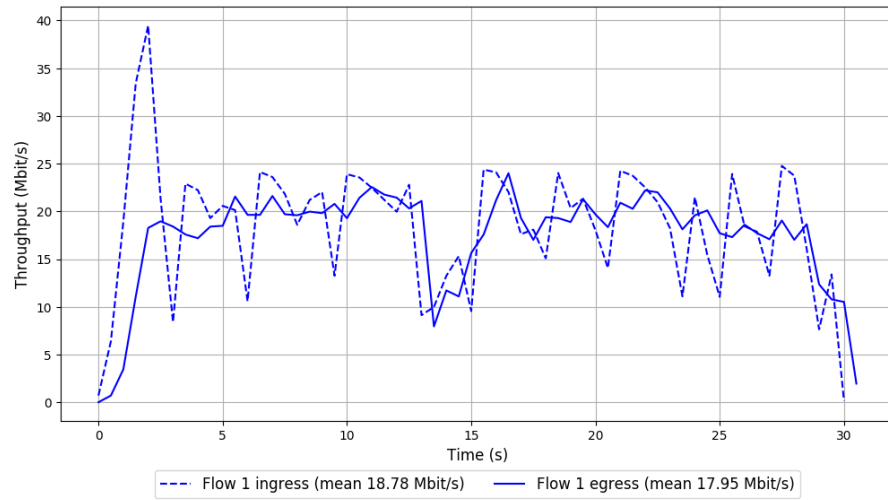
-- Flow 1:

Average throughput: 17.95 Mbit/s

95th percentile per-packet one-way delay: 1633.498 ms

Loss rate: 4.43%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-24 02:52:51

End at: 2018-05-24 02:53:21

Local clock offset: 2.378 ms

Remote clock offset: 0.599 ms

Below is generated by plot.py at 2018-05-24 03:17:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.20 Mbit/s

95th percentile per-packet one-way delay: 1718.683 ms

Loss rate: 1.68%

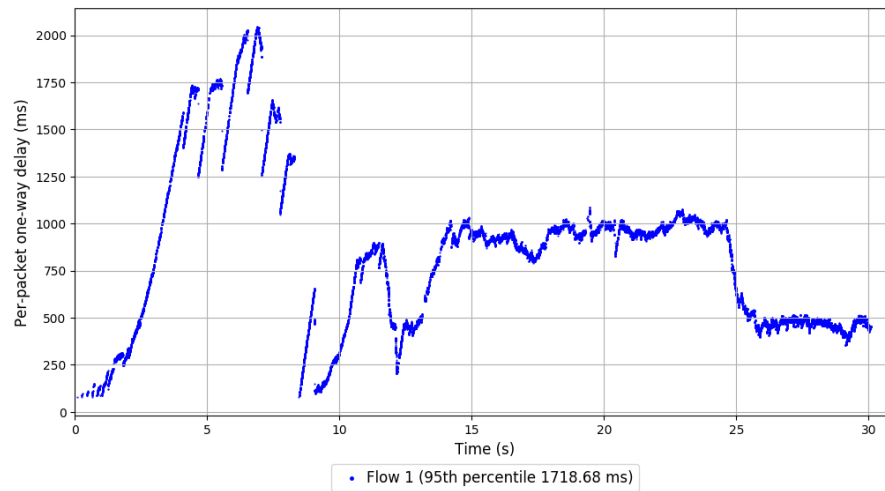
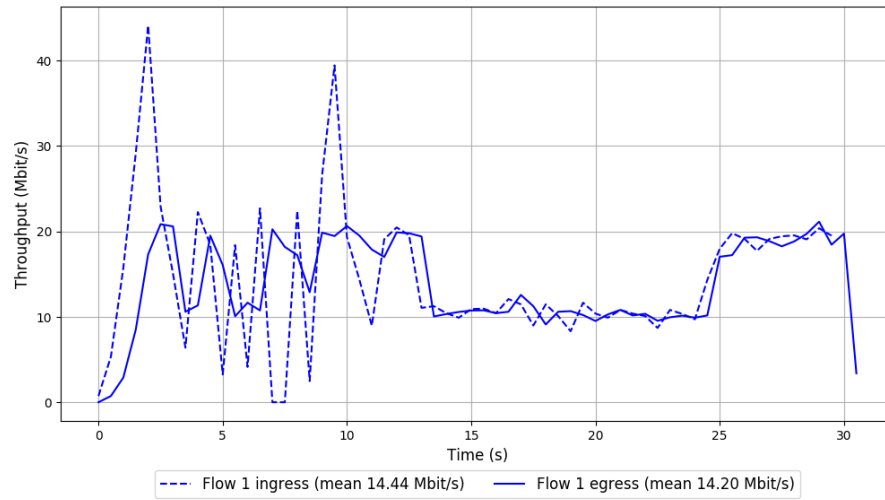
-- Flow 1:

Average throughput: 14.20 Mbit/s

95th percentile per-packet one-way delay: 1718.683 ms

Loss rate: 1.68%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-24 03:13:02

End at: 2018-05-24 03:13:33

Local clock offset: 3.813 ms

Remote clock offset: 0.852 ms

Below is generated by plot.py at 2018-05-24 03:17:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.07 Mbit/s

95th percentile per-packet one-way delay: 1374.719 ms

Loss rate: 3.51%

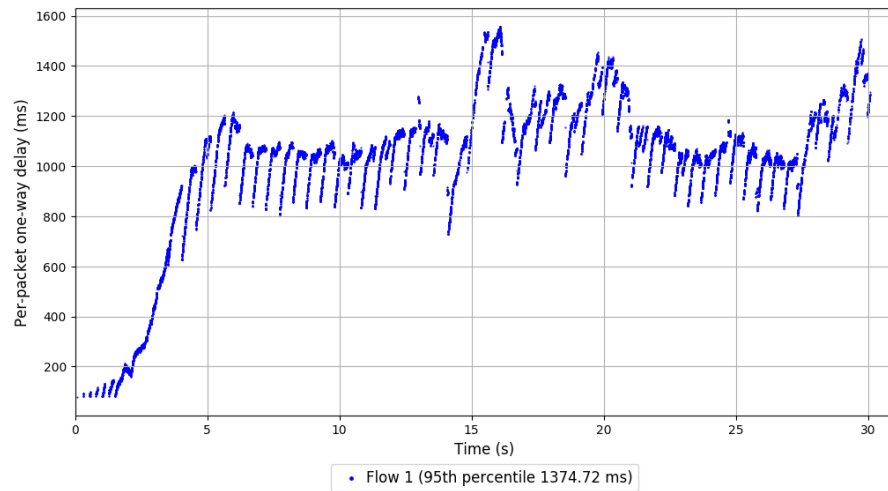
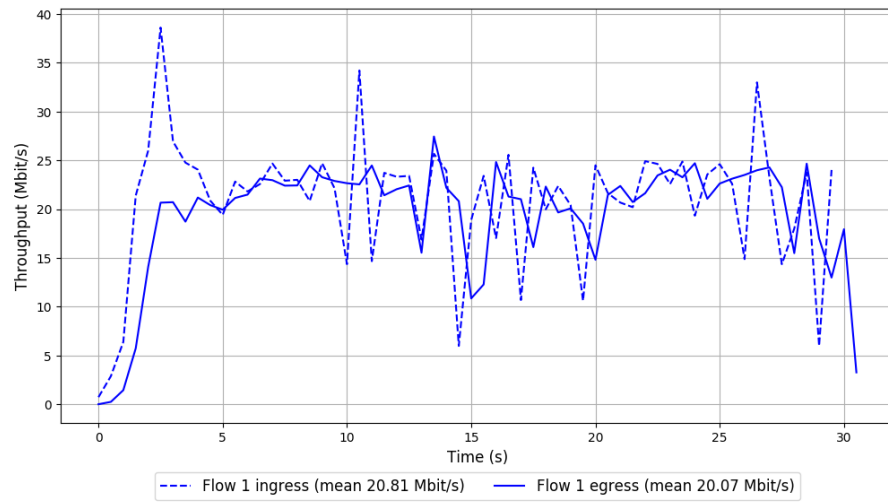
-- Flow 1:

Average throughput: 20.07 Mbit/s

95th percentile per-packet one-way delay: 1374.719 ms

Loss rate: 3.51%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-23 23:53:32

End at: 2018-05-23 23:54:02

Local clock offset: 7.599 ms

Remote clock offset: 0.098 ms

Run 1: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Verus

Start at: 2018-05-24 00:13:42

End at: 2018-05-24 00:14:12

Local clock offset: -2.969 ms

Remote clock offset: -1.085 ms

Run 2: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Verus

Start at: 2018-05-24 00:33:53

End at: 2018-05-24 00:34:24

Local clock offset: -0.276 ms

Remote clock offset: -1.029 ms

Run 3: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Verus

Start at: 2018-05-24 00:54:06

End at: 2018-05-24 00:54:36

Local clock offset: 3.094 ms

Remote clock offset: -0.073 ms

Run 4: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Verus

Start at: 2018-05-24 01:14:18

End at: 2018-05-24 01:14:48

Local clock offset: 3.394 ms

Remote clock offset: -0.598 ms

Run 5: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Verus

Start at: 2018-05-24 01:34:30

End at: 2018-05-24 01:35:01

Local clock offset: 3.951 ms

Remote clock offset: -0.921 ms

Run 6: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Verus

Start at: 2018-05-24 01:54:49

End at: 2018-05-24 01:55:19

Local clock offset: 4.738 ms

Remote clock offset: -0.518 ms

Run 7: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of Verus

Start at: 2018-05-24 02:15:00

End at: 2018-05-24 02:15:30

Local clock offset: 2.534 ms

Remote clock offset: -0.248 ms

Run 8: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Verus

Start at: 2018-05-24 02:35:11

End at: 2018-05-24 02:35:41

Local clock offset: 2.398 ms

Remote clock offset: 0.319 ms

Run 9: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Verus

Start at: 2018-05-24 02:55:23

End at: 2018-05-24 02:55:53

Local clock offset: 2.386 ms

Remote clock offset: 0.61 ms

Run 10: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of PCC-Vivace

Start at: 2018-05-23 23:58:33

End at: 2018-05-23 23:59:03

Local clock offset: 4.853 ms

Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-05-24 03:17:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.10 Mbit/s

95th percentile per-packet one-way delay: 93.029 ms

Loss rate: 0.05%

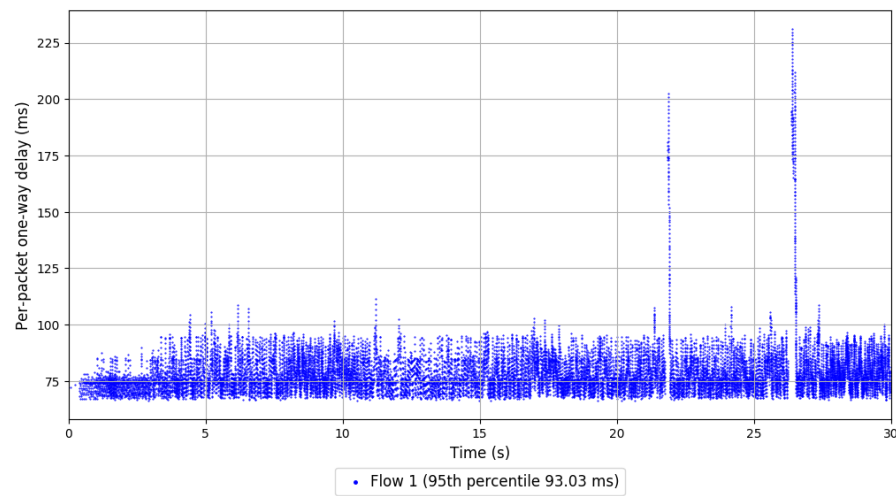
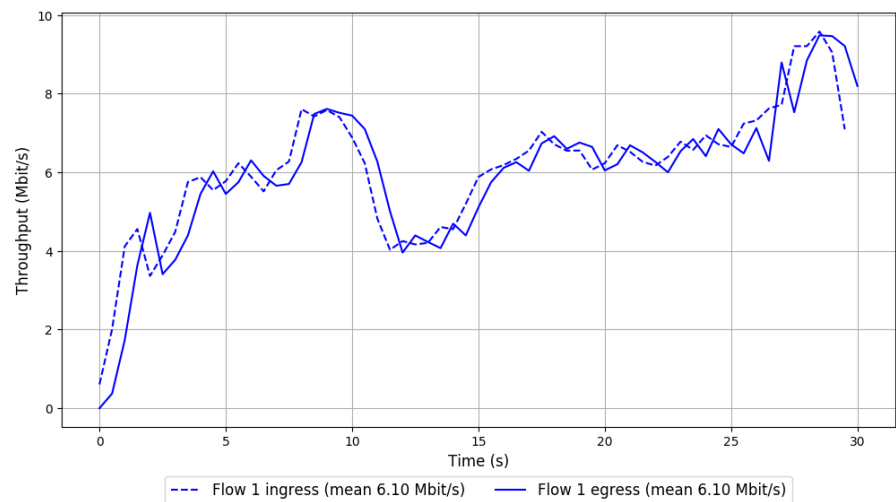
-- Flow 1:

Average throughput: 6.10 Mbit/s

95th percentile per-packet one-way delay: 93.029 ms

Loss rate: 0.05%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-24 00:18:44

End at: 2018-05-24 00:19:14

Local clock offset: -3.8 ms

Remote clock offset: -1.216 ms

Below is generated by plot.py at 2018-05-24 03:17:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 94.359 ms

Loss rate: 0.08%

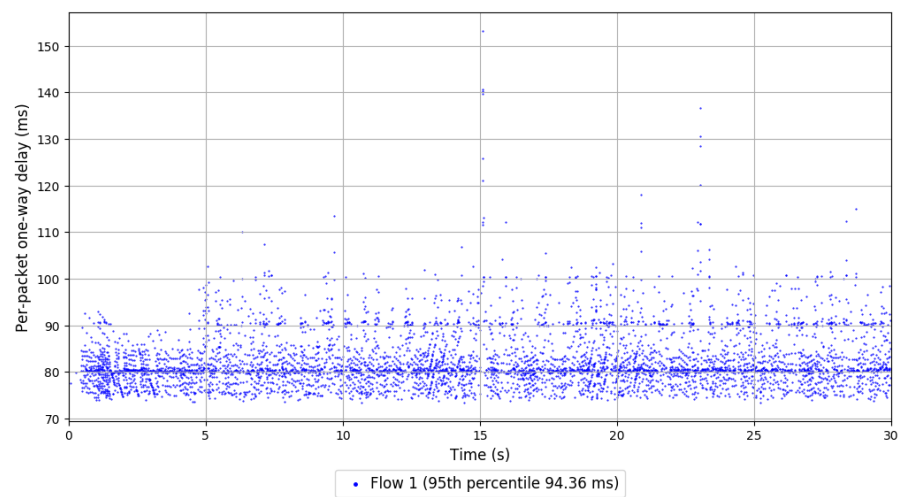
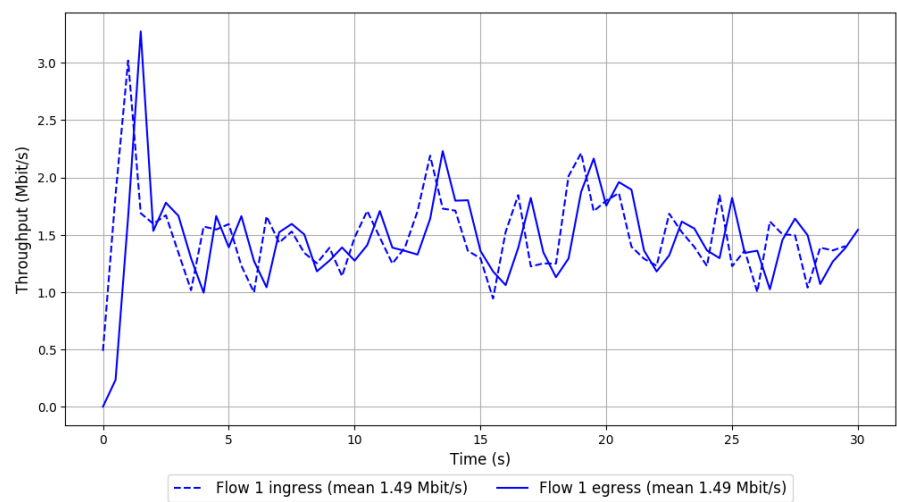
-- Flow 1:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 94.359 ms

Loss rate: 0.08%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-24 00:38:55

End at: 2018-05-24 00:39:25

Local clock offset: 0.996 ms

Remote clock offset: -0.669 ms

Below is generated by plot.py at 2018-05-24 03:17:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 97.559 ms

Loss rate: 0.04%

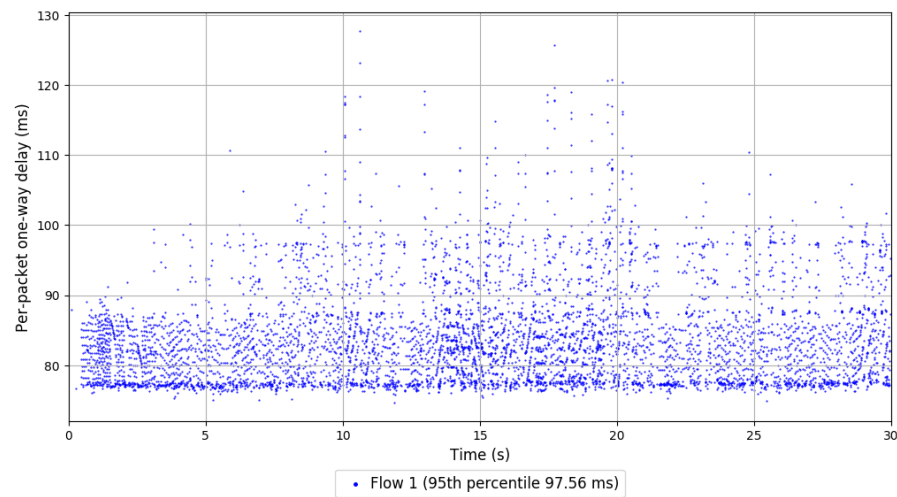
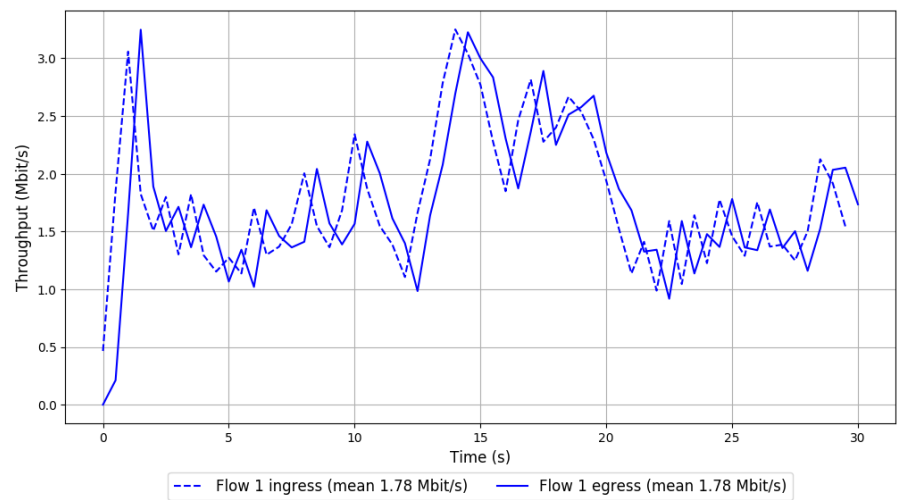
-- Flow 1:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 97.559 ms

Loss rate: 0.04%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-24 00:59:07

End at: 2018-05-24 00:59:37

Local clock offset: 2.998 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-05-24 03:17:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.84 Mbit/s

95th percentile per-packet one-way delay: 102.715 ms

Loss rate: 0.07%

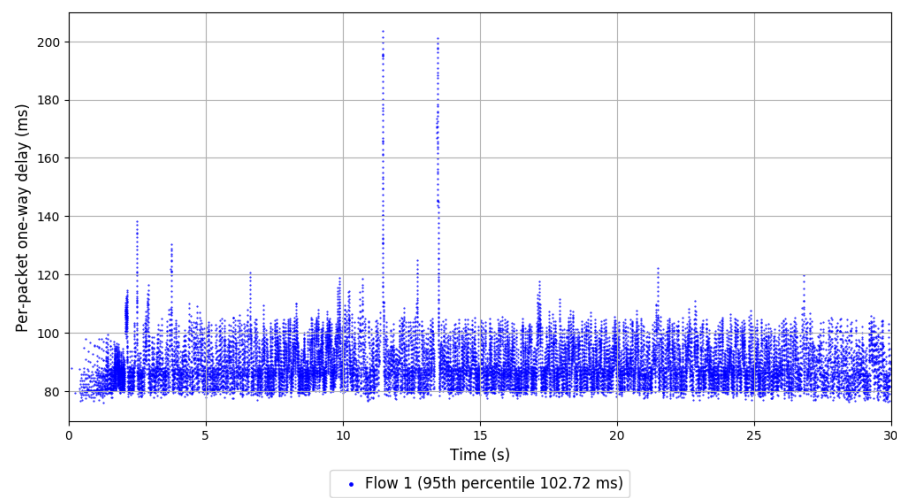
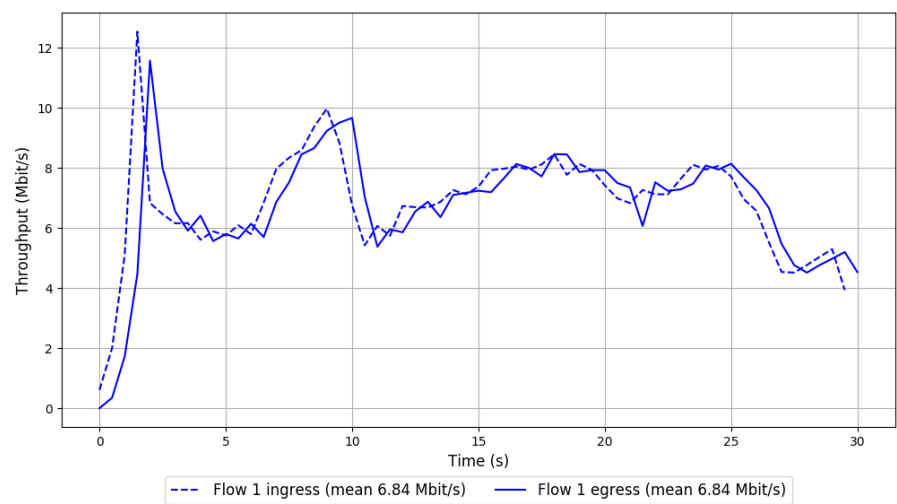
-- Flow 1:

Average throughput: 6.84 Mbit/s

95th percentile per-packet one-way delay: 102.715 ms

Loss rate: 0.07%

Run 4: Report of PCC-Vivace — Data Link

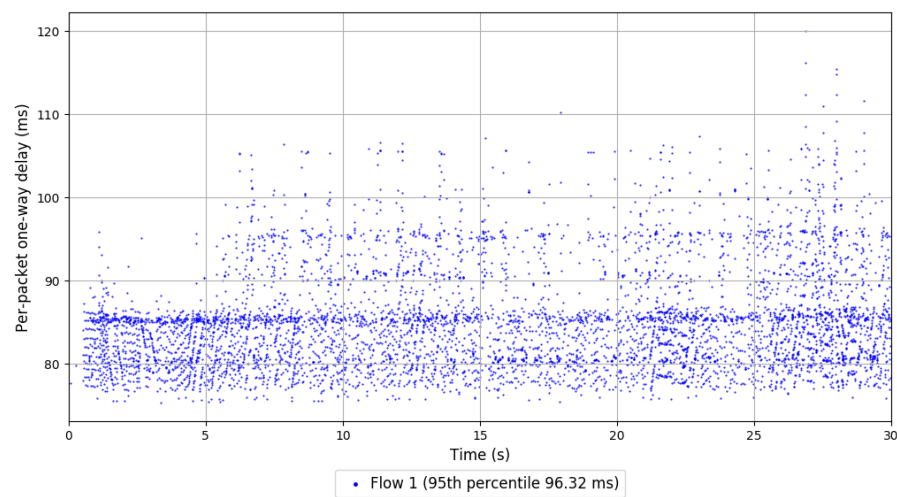
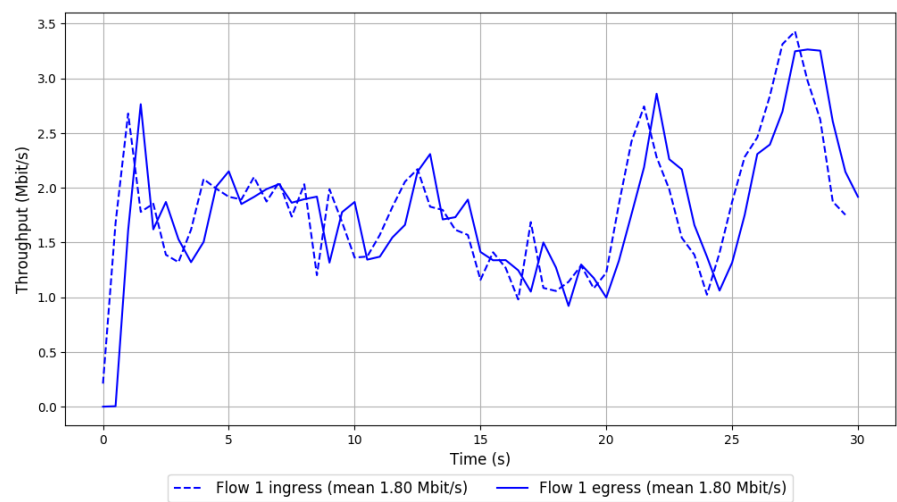


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-24 01:19:19
End at: 2018-05-24 01:19:49
Local clock offset: 3.329 ms
Remote clock offset: -0.817 ms

Below is generated by plot.py at 2018-05-24 03:17:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 96.318 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 96.318 ms
Loss rate: 0.04%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-24 01:39:32

End at: 2018-05-24 01:40:02

Local clock offset: 4.262 ms

Remote clock offset: -1.006 ms

Below is generated by plot.py at 2018-05-24 03:17:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.96 Mbit/s

95th percentile per-packet one-way delay: 2100.083 ms

Loss rate: 0.09%

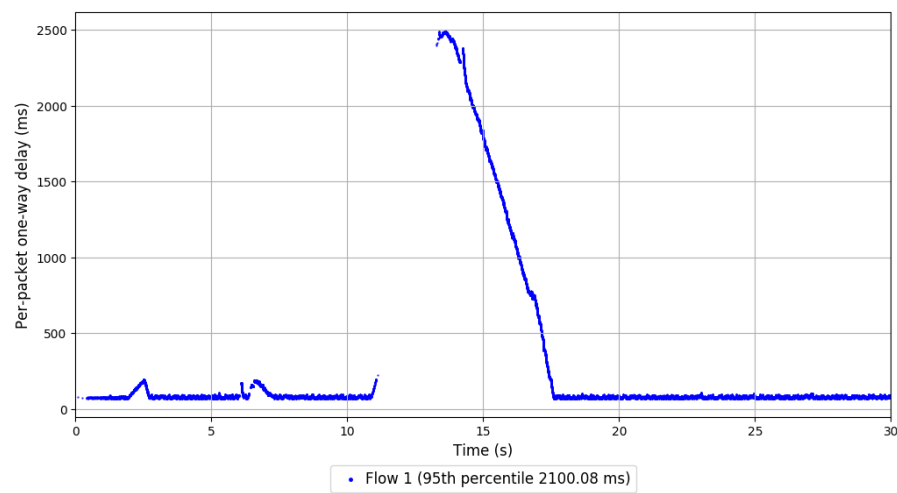
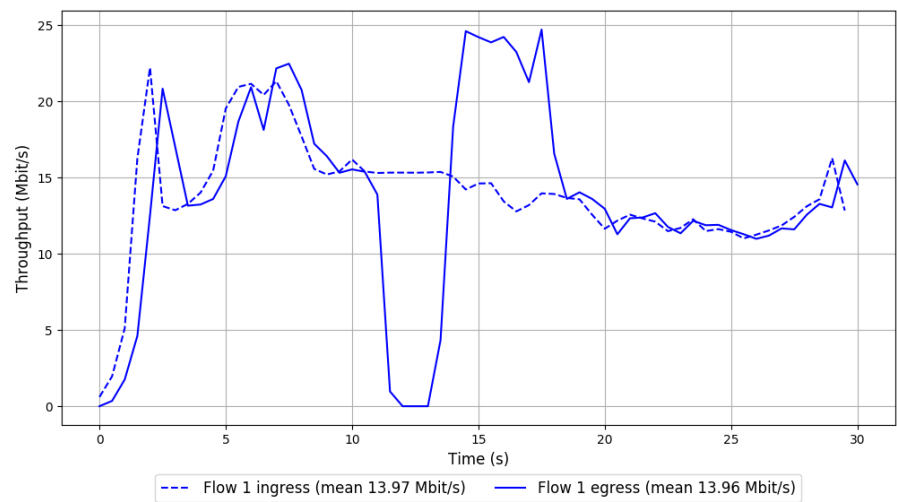
-- Flow 1:

Average throughput: 13.96 Mbit/s

95th percentile per-packet one-way delay: 2100.083 ms

Loss rate: 0.09%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-24 01:59:51

End at: 2018-05-24 02:00:21

Local clock offset: 3.843 ms

Remote clock offset: -0.52 ms

Below is generated by plot.py at 2018-05-24 03:17:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.67 Mbit/s

95th percentile per-packet one-way delay: 94.127 ms

Loss rate: 0.05%

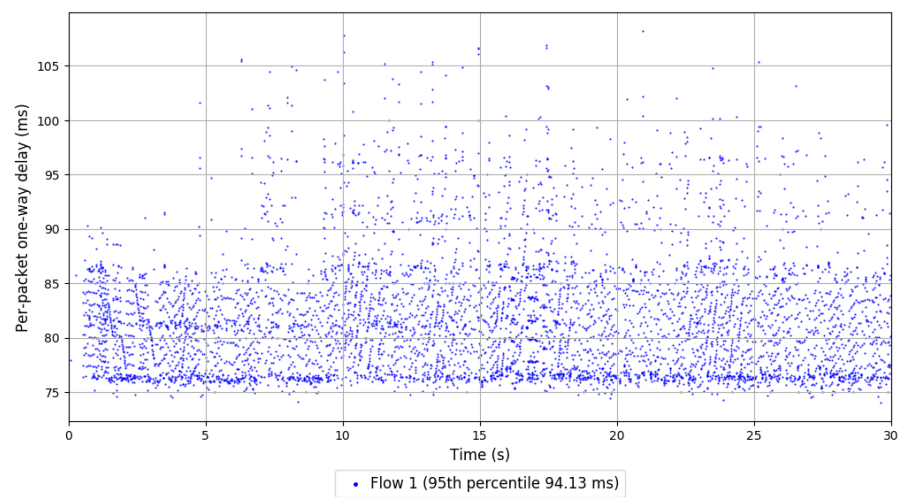
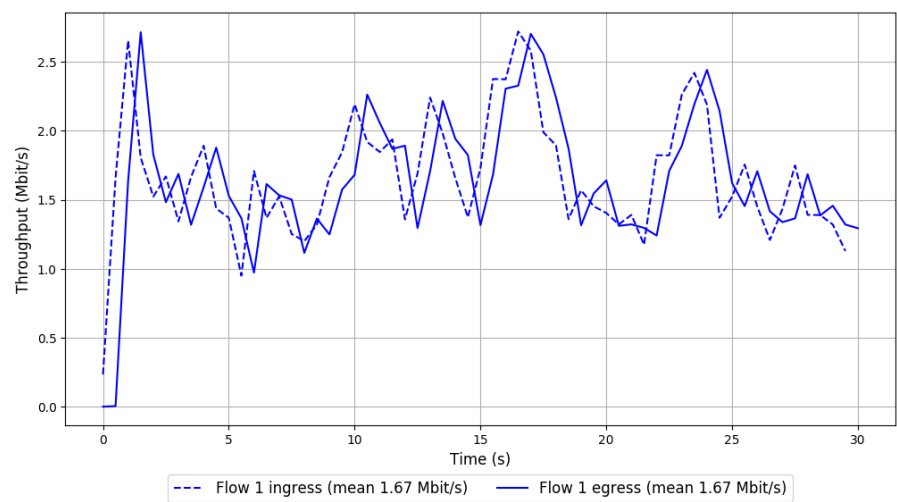
-- Flow 1:

Average throughput: 1.67 Mbit/s

95th percentile per-packet one-way delay: 94.127 ms

Loss rate: 0.05%

Run 7: Report of PCC-Vivace — Data Link

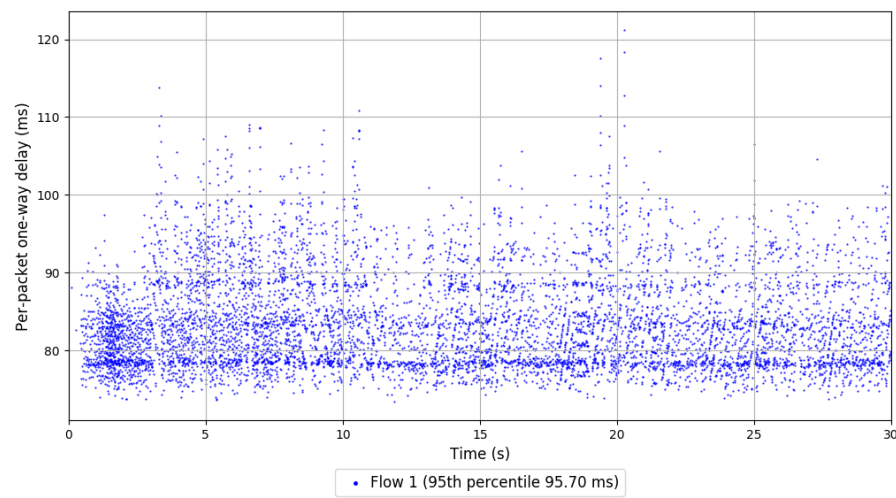
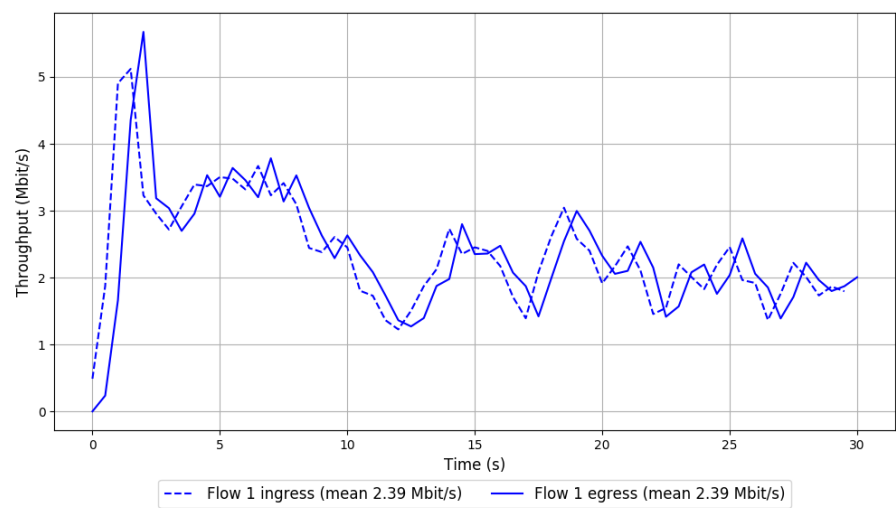


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-24 02:20:01
End at: 2018-05-24 02:20:31
Local clock offset: 2.428 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-05-24 03:17:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 95.696 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 95.696 ms
Loss rate: 0.05%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-24 02:40:12

End at: 2018-05-24 02:40:43

Local clock offset: 2.367 ms

Remote clock offset: 0.381 ms

Below is generated by plot.py at 2018-05-24 03:17:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 74.837 ms

Loss rate: 0.00%

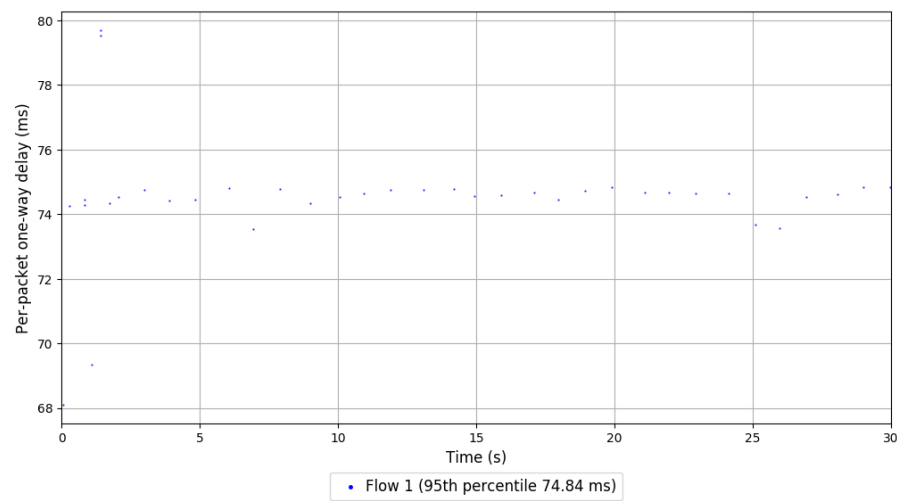
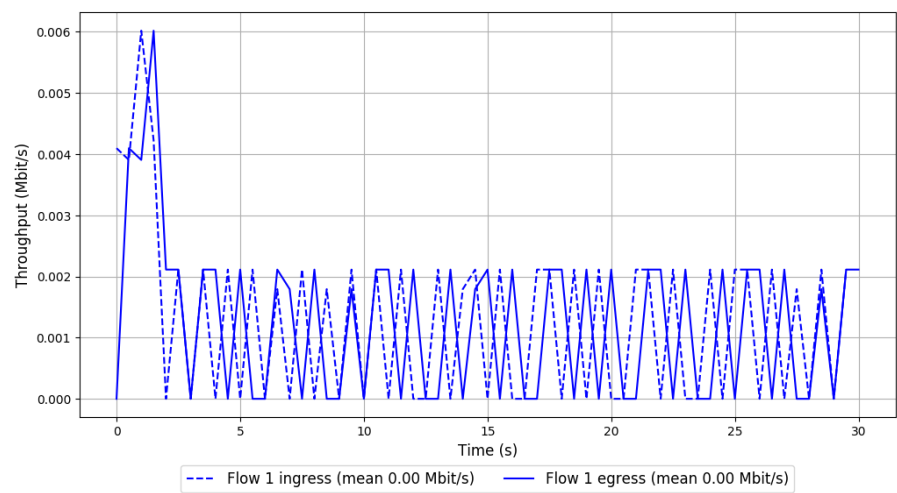
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 74.837 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-24 03:00:24

End at: 2018-05-24 03:00:54

Local clock offset: 2.928 ms

Remote clock offset: 0.628 ms

Below is generated by plot.py at 2018-05-24 03:17:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.41 Mbit/s

95th percentile per-packet one-way delay: 98.663 ms

Loss rate: 0.09%

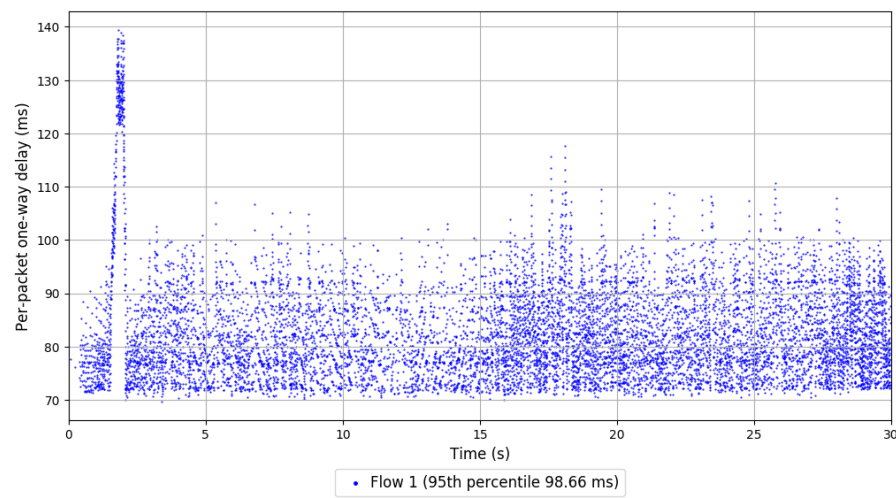
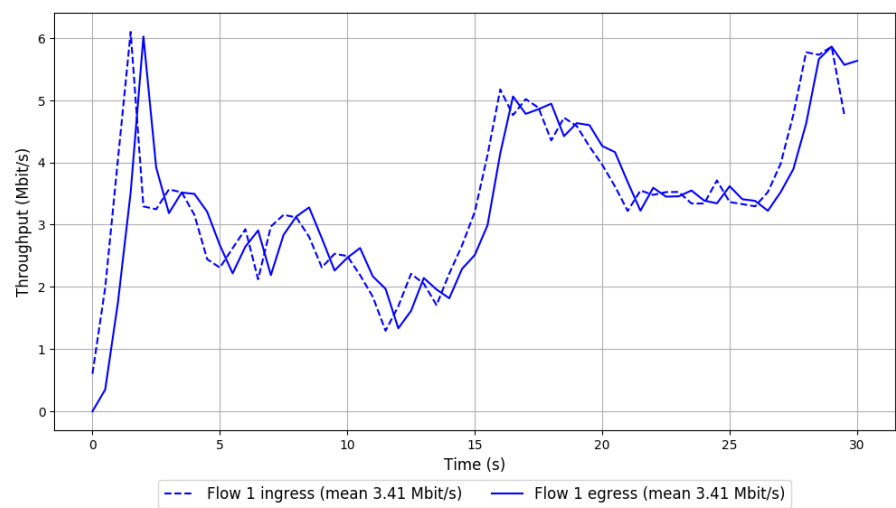
-- Flow 1:

Average throughput: 3.41 Mbit/s

95th percentile per-packet one-way delay: 98.663 ms

Loss rate: 0.09%

Run 10: Report of PCC-Vivace — Data Link

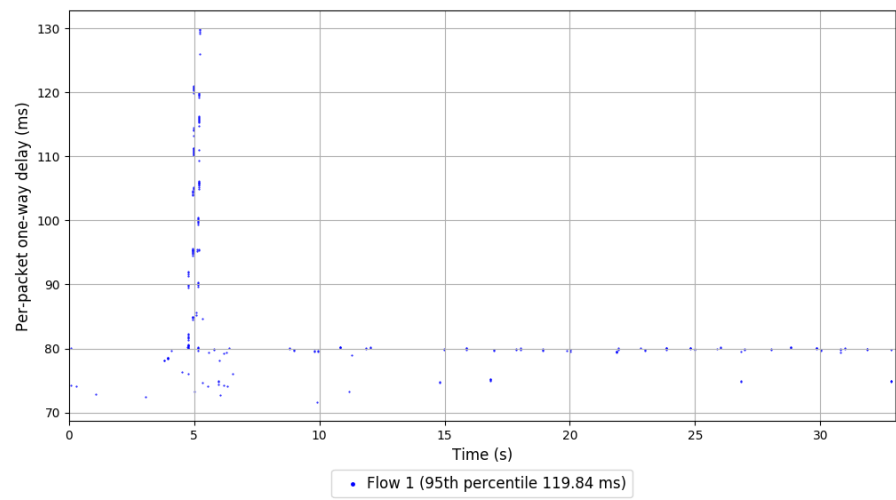
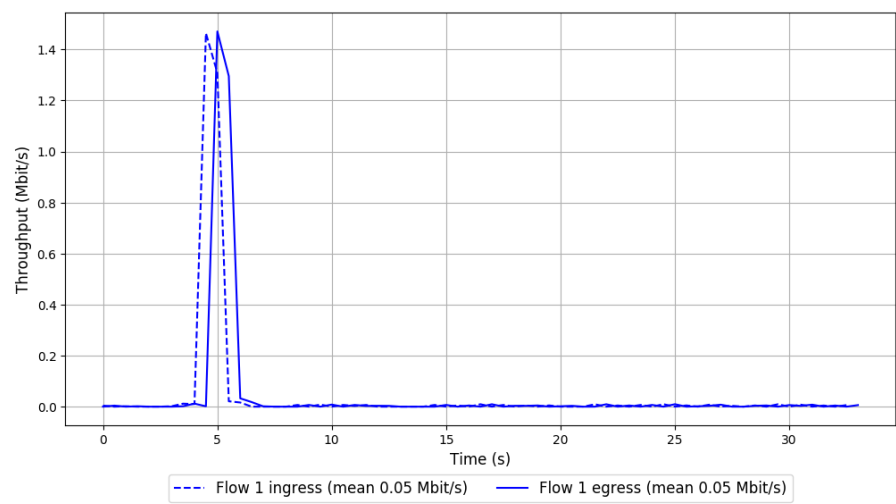


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-24 00:03:36
End at: 2018-05-24 00:04:06
Local clock offset: 0.732 ms
Remote clock offset: -0.544 ms

# Below is generated by plot.py at 2018-05-24 03:17:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 119.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 119.845 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

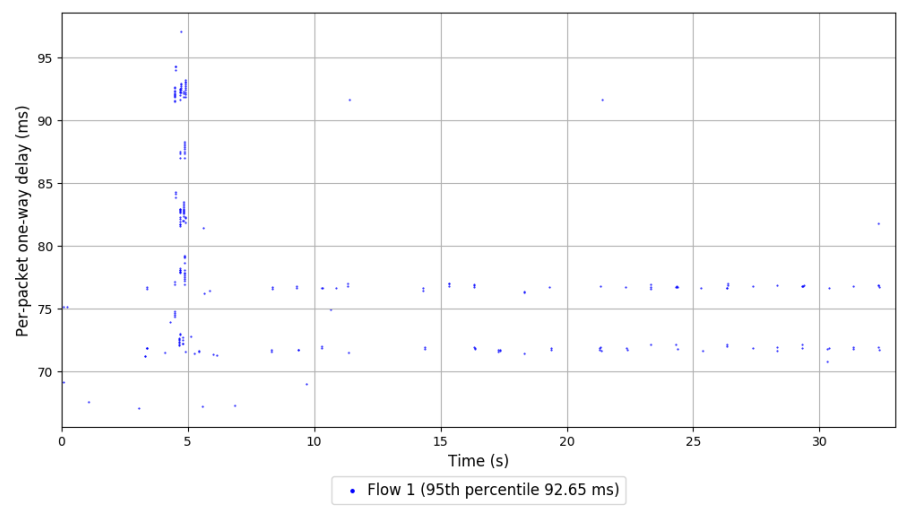
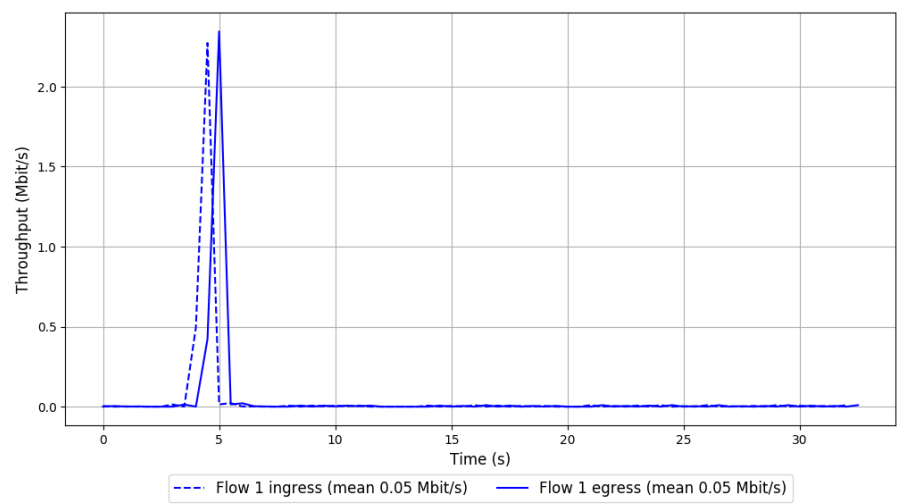


Run 2: Statistics of WebRTC media

Start at: 2018-05-24 00:23:48
End at: 2018-05-24 00:24:18
Local clock offset: -4.1 ms
Remote clock offset: -1.298 ms

Below is generated by plot.py at 2018-05-24 03:17:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 92.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 92.647 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

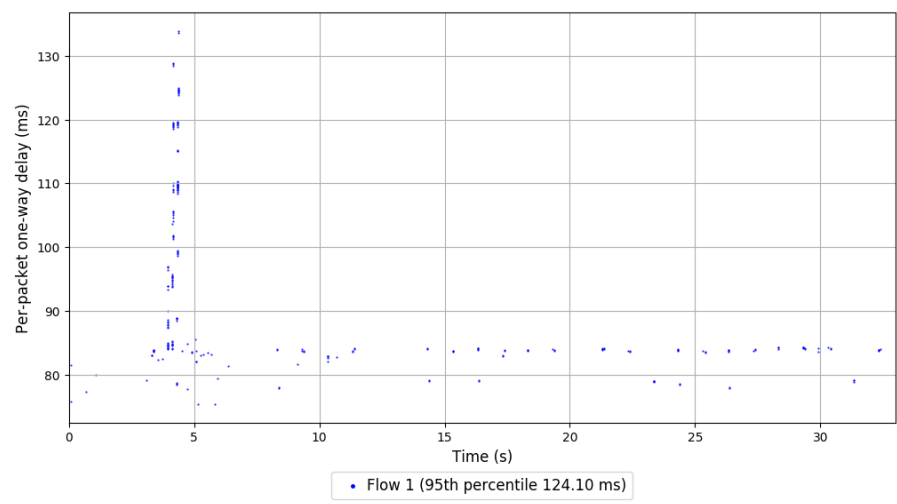
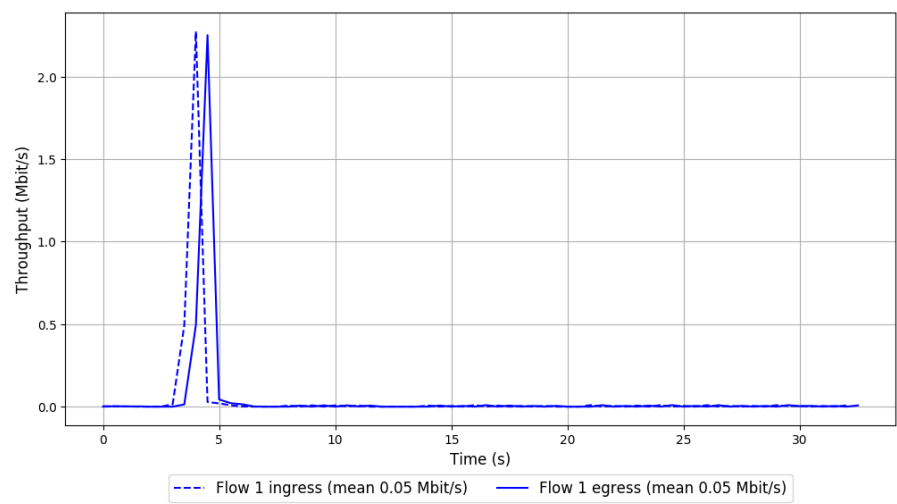


Run 3: Statistics of WebRTC media

Start at: 2018-05-24 00:43:59
End at: 2018-05-24 00:44:29
Local clock offset: 2.019 ms
Remote clock offset: -0.369 ms

Below is generated by plot.py at 2018-05-24 03:17:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 124.100 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 124.100 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-24 01:04:12

End at: 2018-05-24 01:04:42

Local clock offset: 3.091 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-05-24 03:17:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 140.598 ms

Loss rate: 0.00%

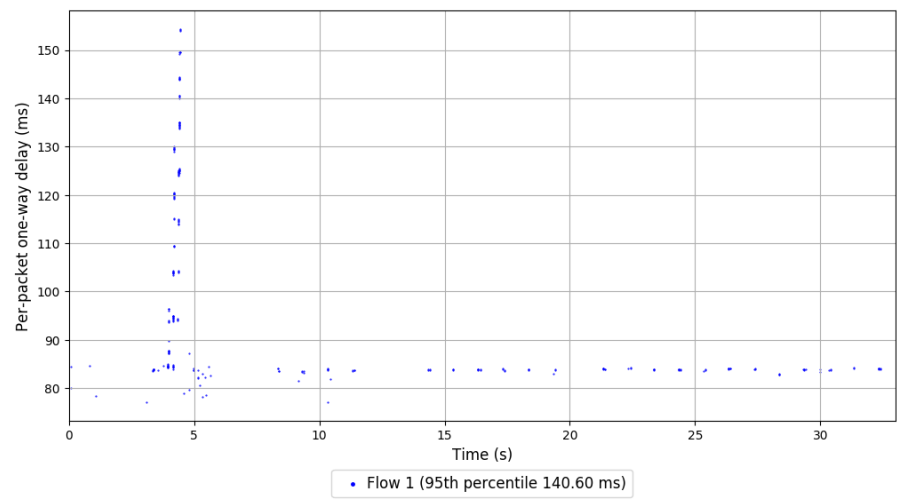
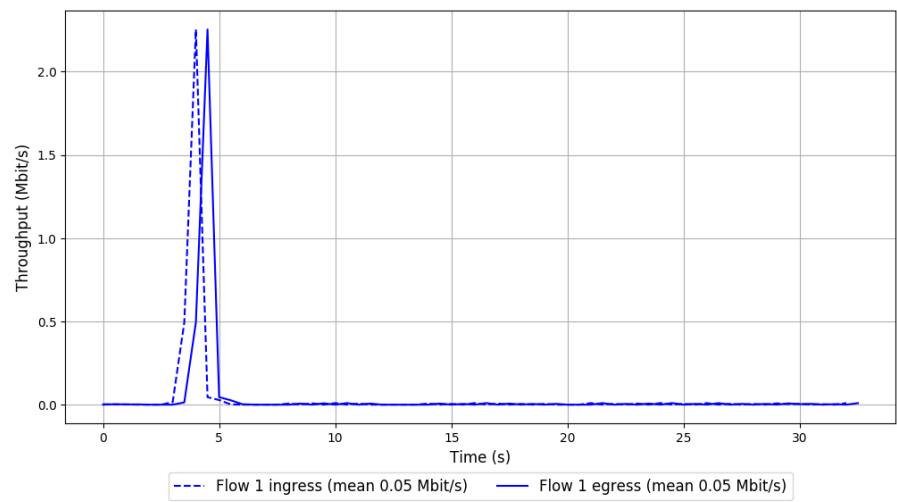
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 140.598 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

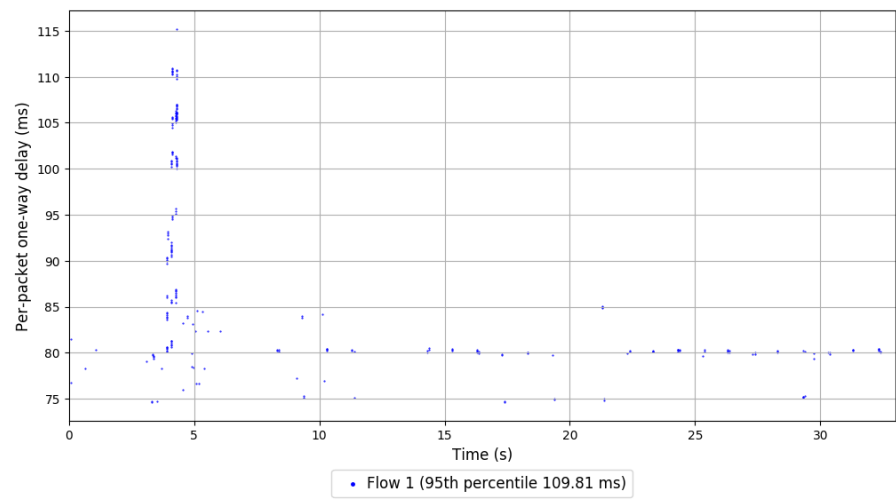
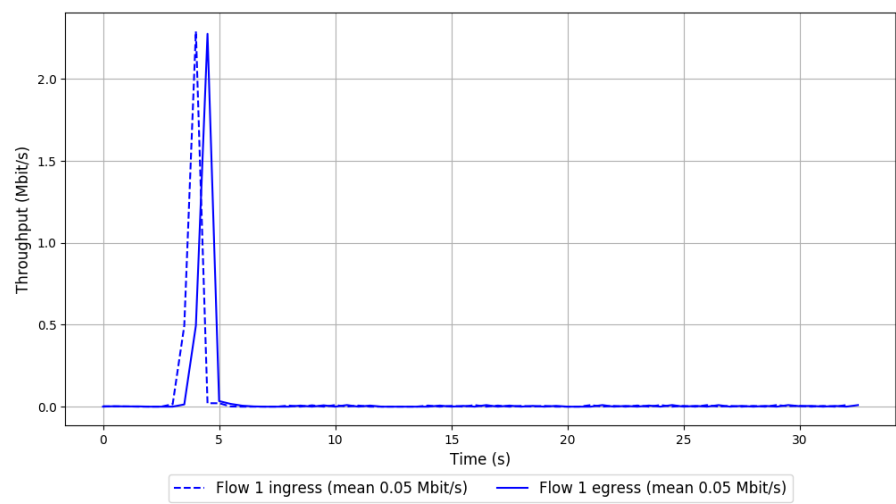


Run 5: Statistics of WebRTC media

Start at: 2018-05-24 01:24:23
End at: 2018-05-24 01:24:53
Local clock offset: 3.651 ms
Remote clock offset: -0.875 ms

Below is generated by plot.py at 2018-05-24 03:17:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.810 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.810 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

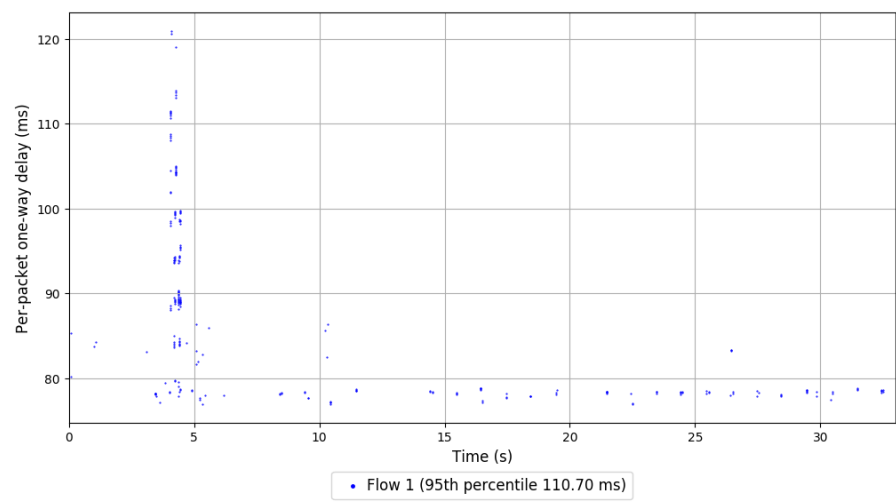
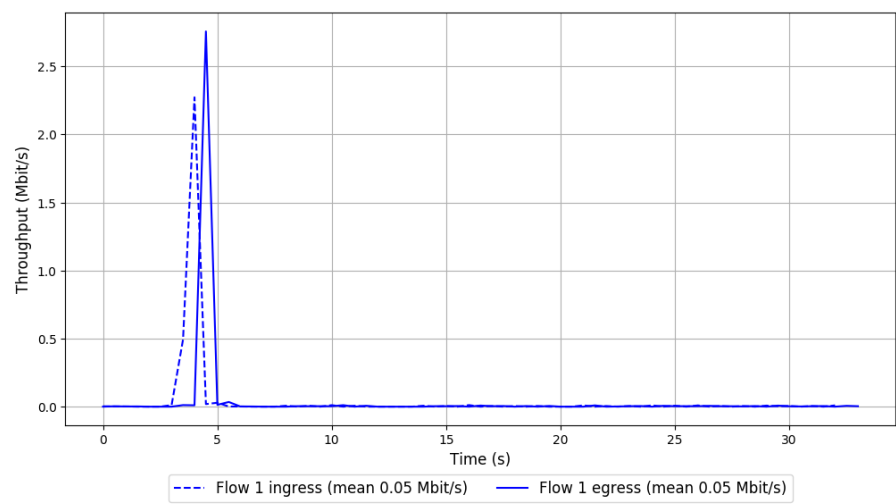


Run 6: Statistics of WebRTC media

Start at: 2018-05-24 01:44:37
End at: 2018-05-24 01:45:07
Local clock offset: 4.353 ms
Remote clock offset: -0.939 ms

Below is generated by plot.py at 2018-05-24 03:17:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 110.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 110.704 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

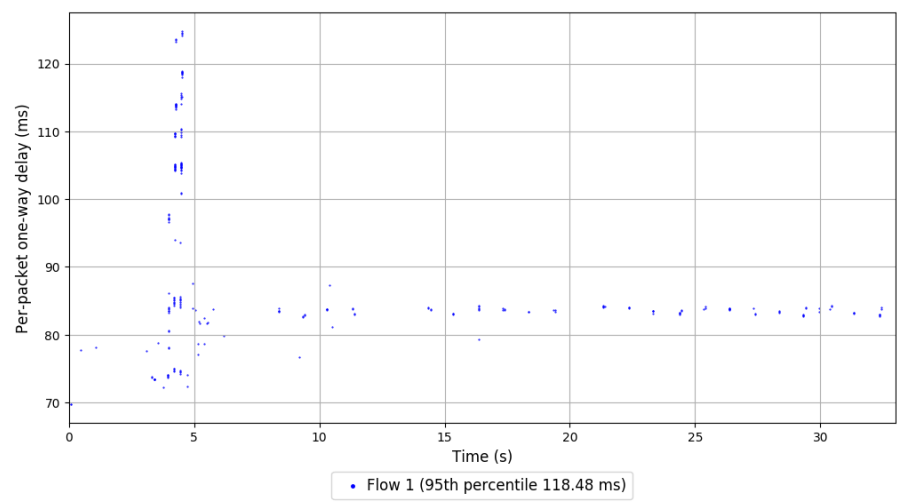
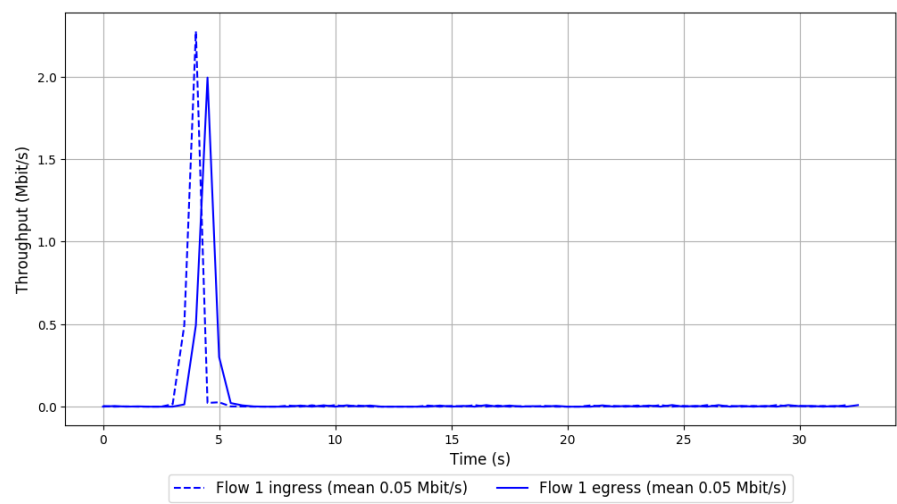


Run 7: Statistics of WebRTC media

Start at: 2018-05-24 02:04:55
End at: 2018-05-24 02:05:25
Local clock offset: 3.153 ms
Remote clock offset: -0.473 ms

Below is generated by plot.py at 2018-05-24 03:17:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 118.480 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 118.480 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-24 02:25:05

End at: 2018-05-24 02:25:35

Local clock offset: 2.392 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-05-24 03:17:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 106.018 ms

Loss rate: 0.00%

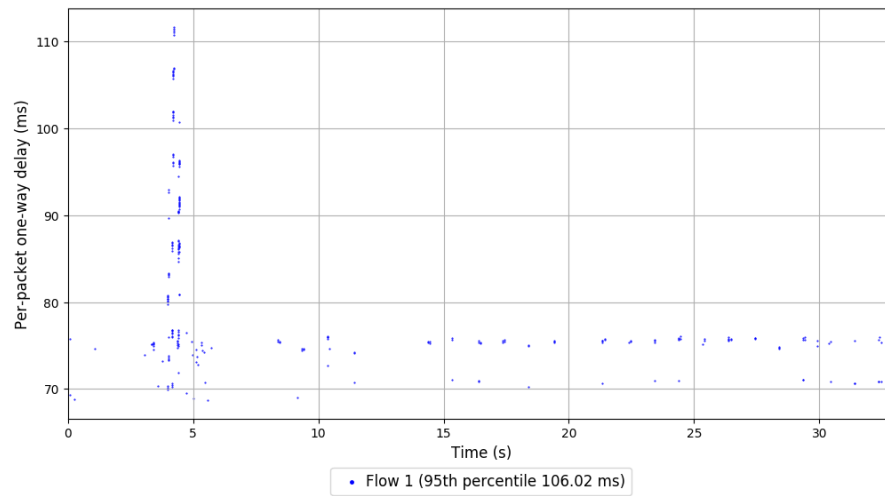
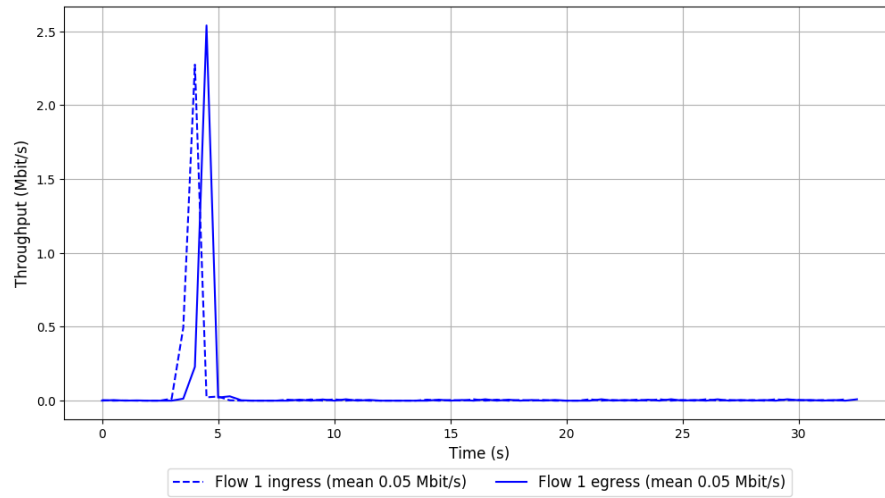
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 106.018 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-24 02:45:16

End at: 2018-05-24 02:45:46

Local clock offset: 2.363 ms

Remote clock offset: 0.467 ms

Below is generated by plot.py at 2018-05-24 03:17:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 106.671 ms

Loss rate: 0.00%

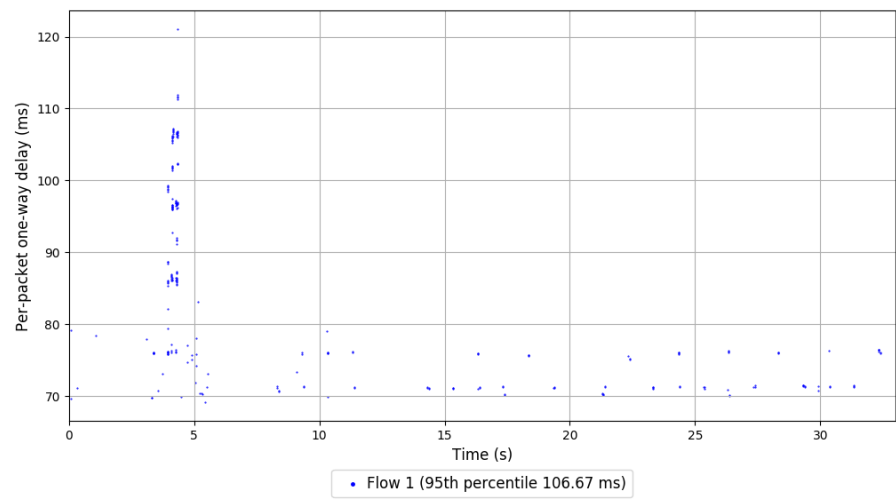
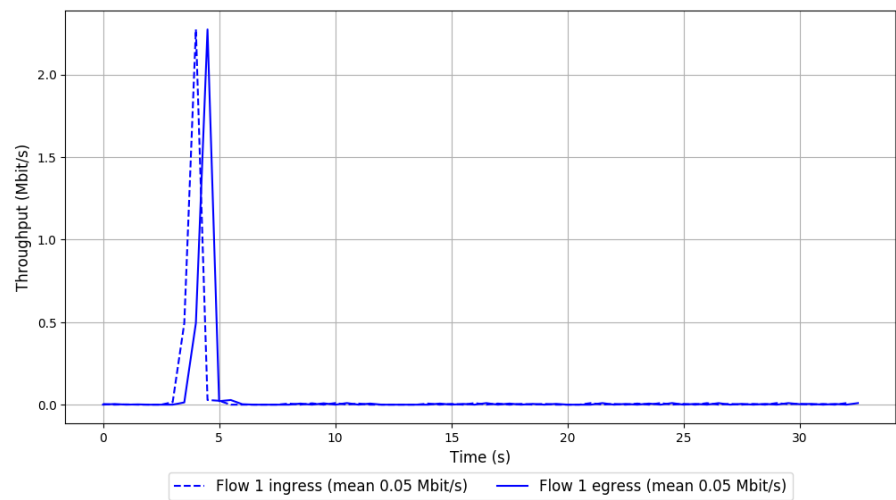
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 106.671 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-24 03:05:28

End at: 2018-05-24 03:05:58

Local clock offset: 3.119 ms

Remote clock offset: 0.752 ms

Below is generated by plot.py at 2018-05-24 03:17:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 105.860 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 105.860 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

