

Pantheon Report

Generated at 2018-05-24 03:26:27 (UTC).

Data path: AWS California 1 Ethernet (*local*) →Stanford ppp0 ppp0 (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

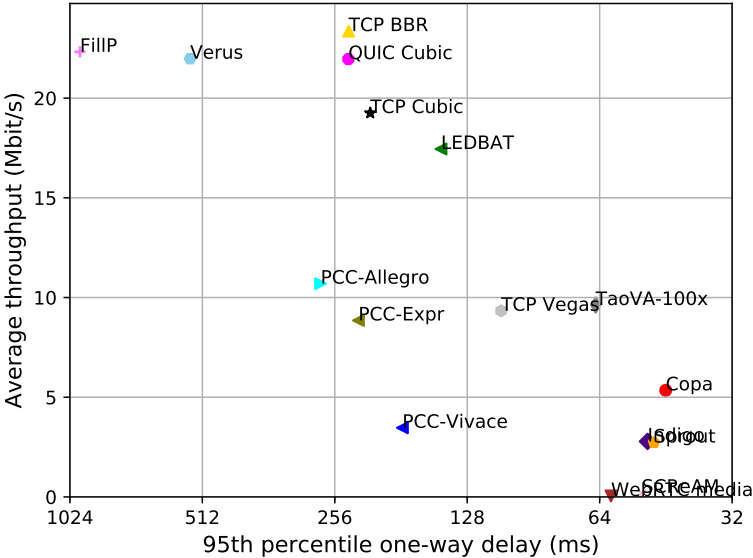
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

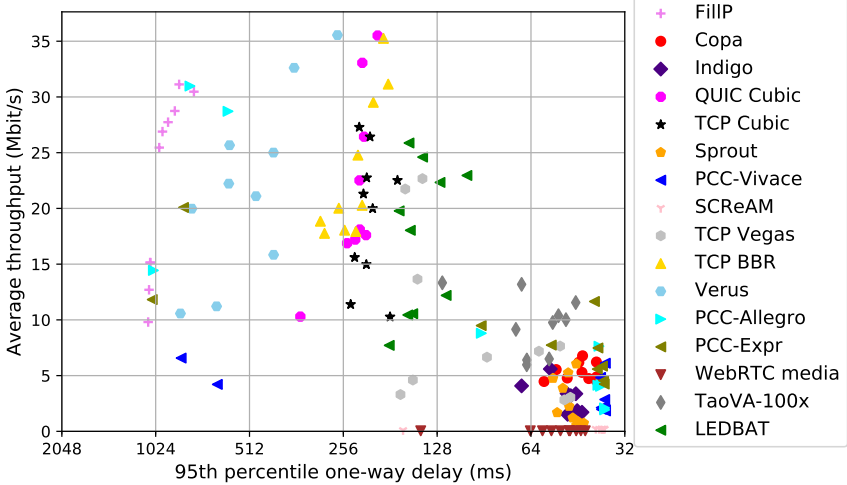
Git summary:

```
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 California 1 to Stanford ppp0, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS California 1 to Stanford ppp0, 10 runs of 30s each per scheme



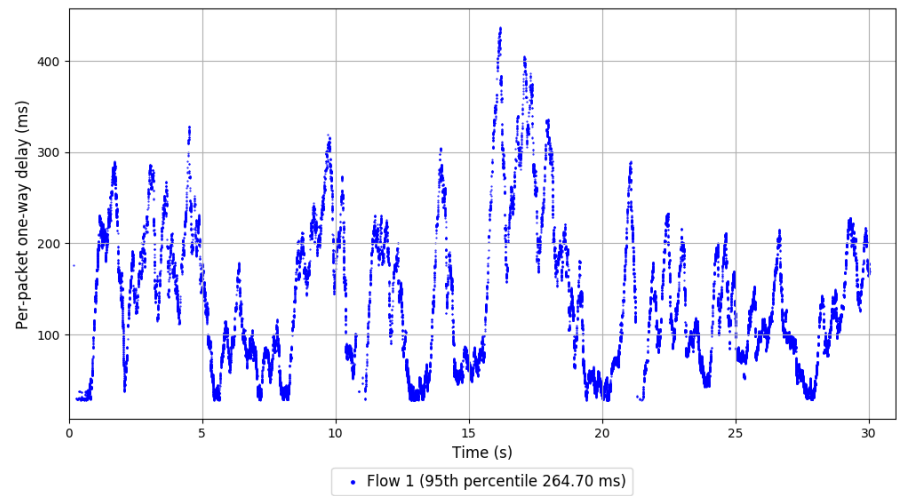
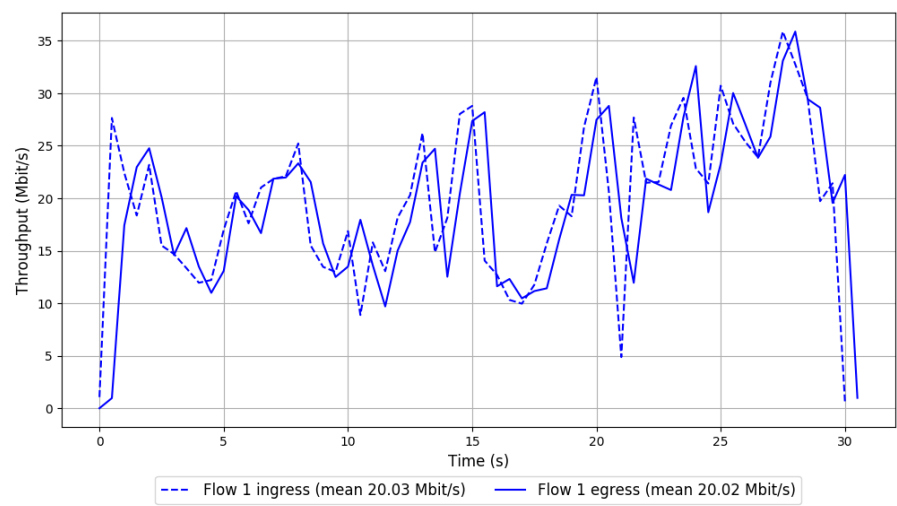
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	23.36	238.08	0.42
Copa	10	5.35	45.29	0.09
TCP Cubic	10	19.25	212.66	0.18
FillP	10	22.32	971.76	43.09
Indigo	10	2.78	49.82	0.05
LEDBAT	10	17.45	146.86	0.25
PCC-Allegro	10	10.70	275.70	1.42
PCC-Expr	10	8.85	226.29	3.99
QUIC Cubic	9	21.96	238.48	0.35
SCReAM	10	0.21	51.35	0.07
Sprout	10	2.73	48.17	0.07
TaoVA-100x	10	9.62	65.35	0.07
TCP Vegas	10	9.33	107.22	0.02
Verus	10	21.98	546.06	3.40
PCC-Vivace	10	3.46	179.76	0.30
WebRTC media	10	0.05	60.34	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-24 00:10:29
End at: 2018-05-24 00:10:59
Local clock offset: -20.165 ms
Remote clock offset: 0.42 ms

Below is generated by plot.py at 2018-05-24 03:21:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 264.702 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 264.702 ms
Loss rate: 0.59%

Run 1: Report of TCP BBR — Data Link

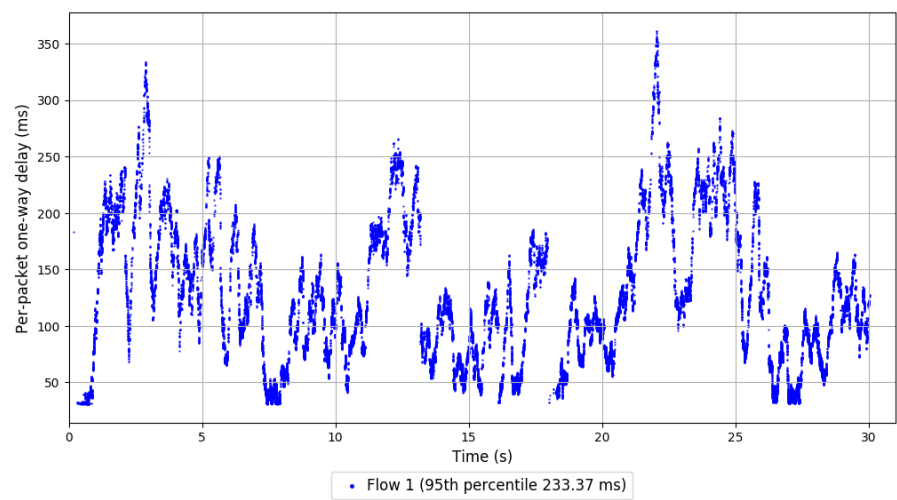
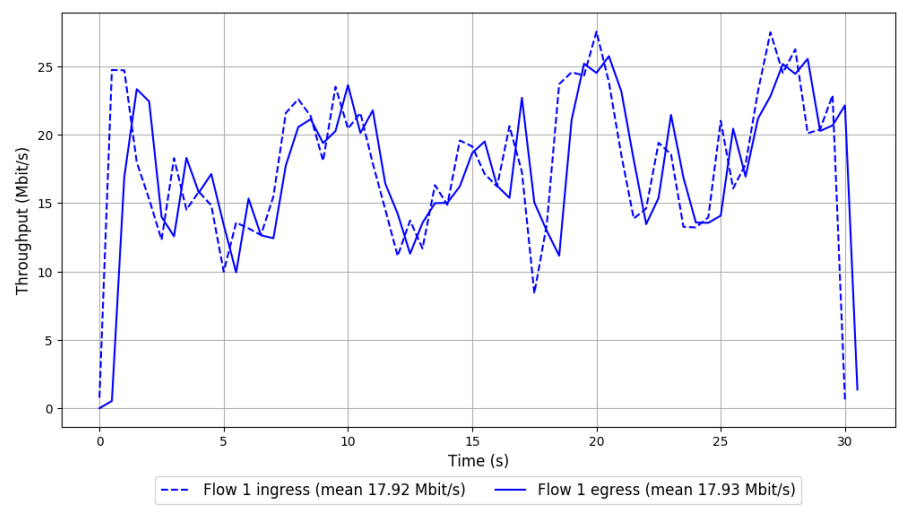


Run 2: Statistics of TCP BBR

Start at: 2018-05-24 00:31:26
End at: 2018-05-24 00:31:56
Local clock offset: -33.965 ms
Remote clock offset: 0.495 ms

Below is generated by plot.py at 2018-05-24 03:21:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.93 Mbit/s
95th percentile per-packet one-way delay: 233.373 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 17.93 Mbit/s
95th percentile per-packet one-way delay: 233.373 ms
Loss rate: 0.46%

Run 2: Report of TCP BBR — Data Link

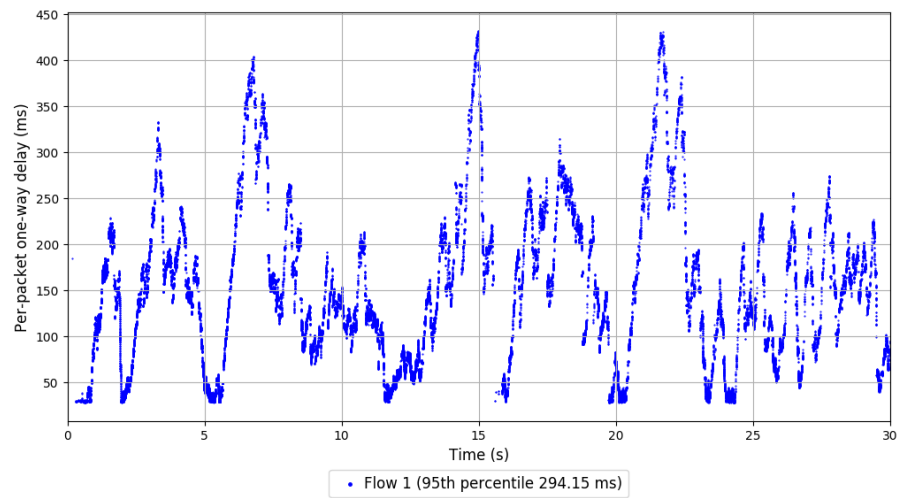
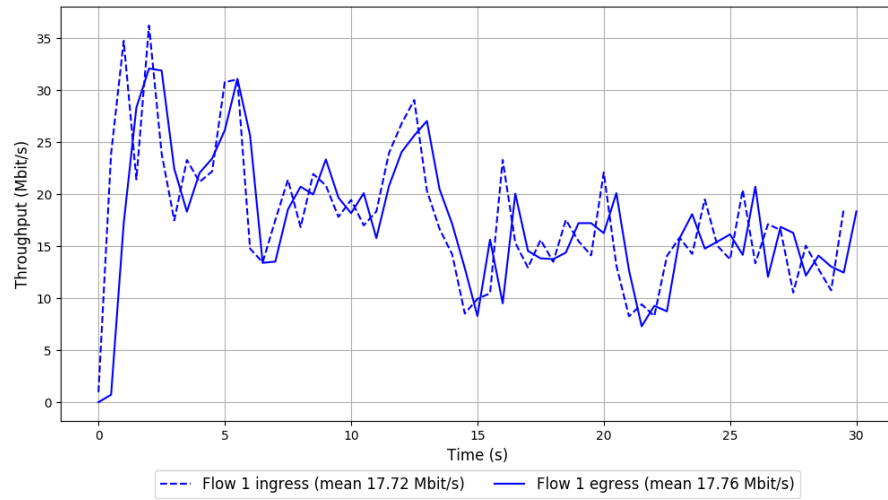


Run 3: Statistics of TCP BBR

Start at: 2018-05-24 00:52:26
End at: 2018-05-24 00:52:56
Local clock offset: -19.599 ms
Remote clock offset: 0.642 ms

Below is generated by plot.py at 2018-05-24 03:21:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.76 Mbit/s
95th percentile per-packet one-way delay: 294.146 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 17.76 Mbit/s
95th percentile per-packet one-way delay: 294.146 ms
Loss rate: 0.30%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-24 01:13:19

End at: 2018-05-24 01:13:49

Local clock offset: -9.727 ms

Remote clock offset: 0.185 ms

Below is generated by plot.py at 2018-05-24 03:21:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.05 Mbit/s

95th percentile per-packet one-way delay: 253.564 ms

Loss rate: 1.03%

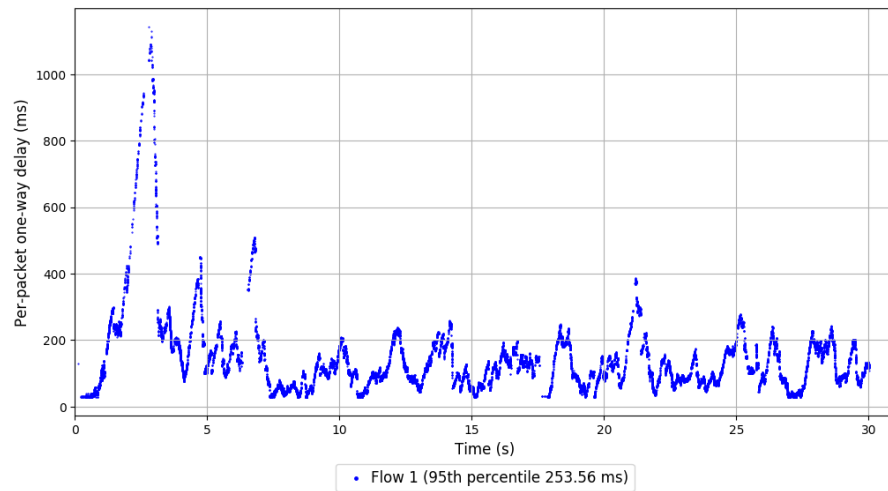
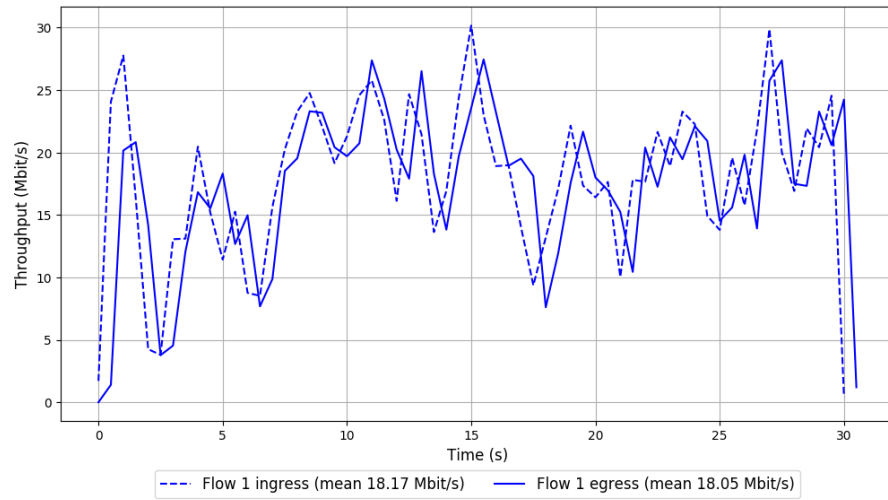
-- Flow 1:

Average throughput: 18.05 Mbit/s

95th percentile per-packet one-way delay: 253.564 ms

Loss rate: 1.03%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-24 01:34:11

End at: 2018-05-24 01:34:42

Local clock offset: -7.728 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-05-24 03:21:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.85 Mbit/s

95th percentile per-packet one-way delay: 303.217 ms

Loss rate: 0.41%

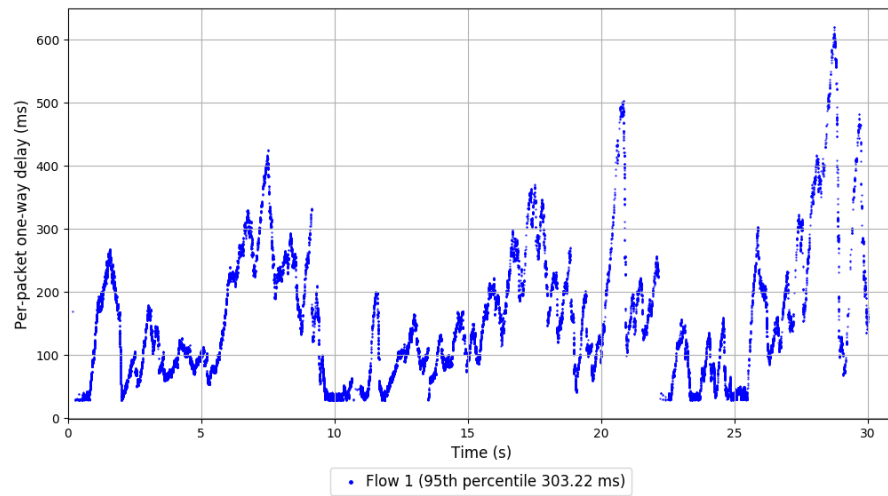
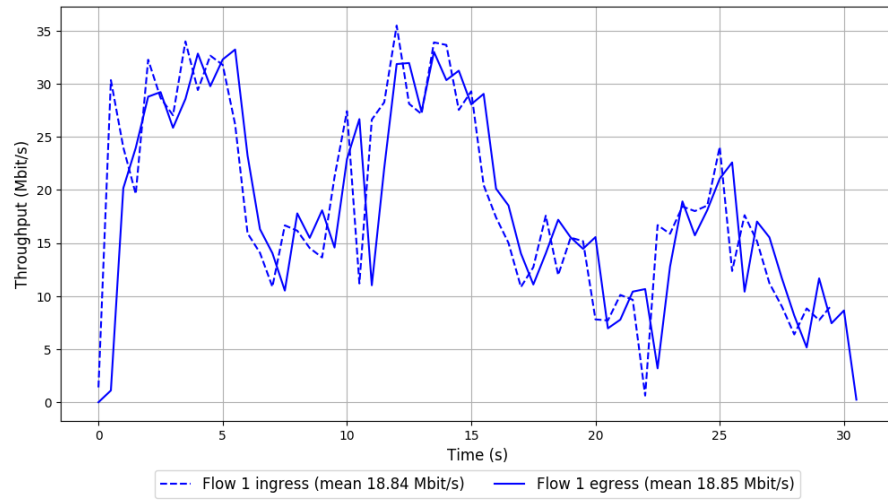
-- Flow 1:

Average throughput: 18.85 Mbit/s

95th percentile per-packet one-way delay: 303.217 ms

Loss rate: 0.41%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-24 01:55:03

End at: 2018-05-24 01:55:33

Local clock offset: -5.348 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-05-24 03:21:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.78 Mbit/s

95th percentile per-packet one-way delay: 229.840 ms

Loss rate: 0.25%

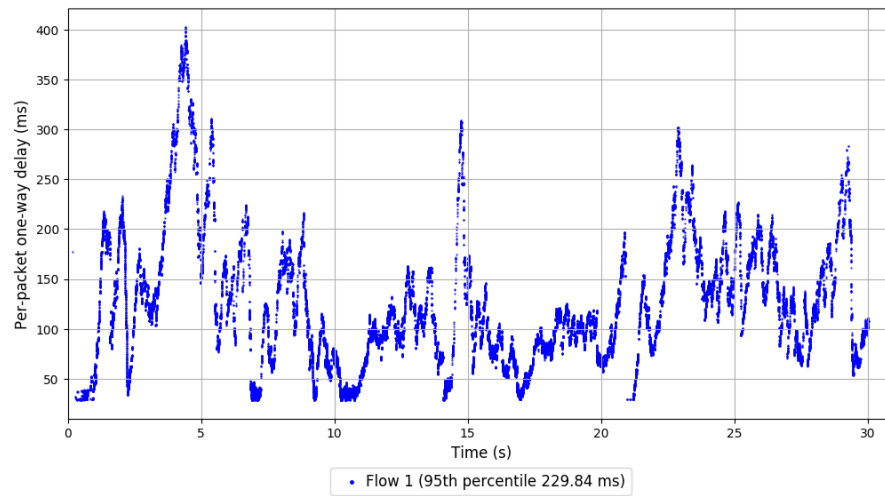
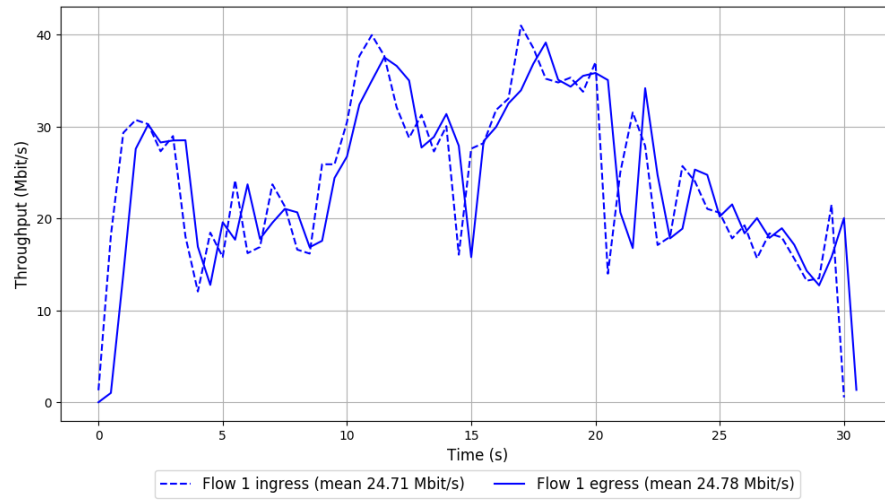
-- Flow 1:

Average throughput: 24.78 Mbit/s

95th percentile per-packet one-way delay: 229.840 ms

Loss rate: 0.25%

Run 6: Report of TCP BBR — Data Link

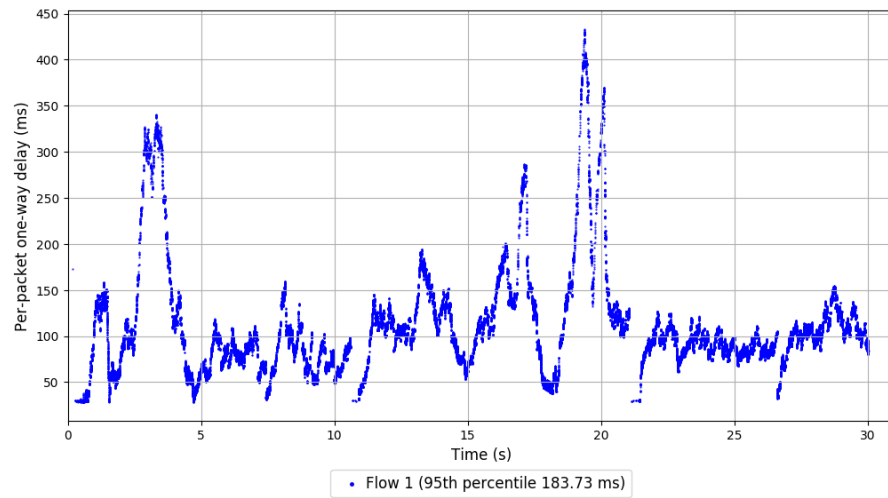
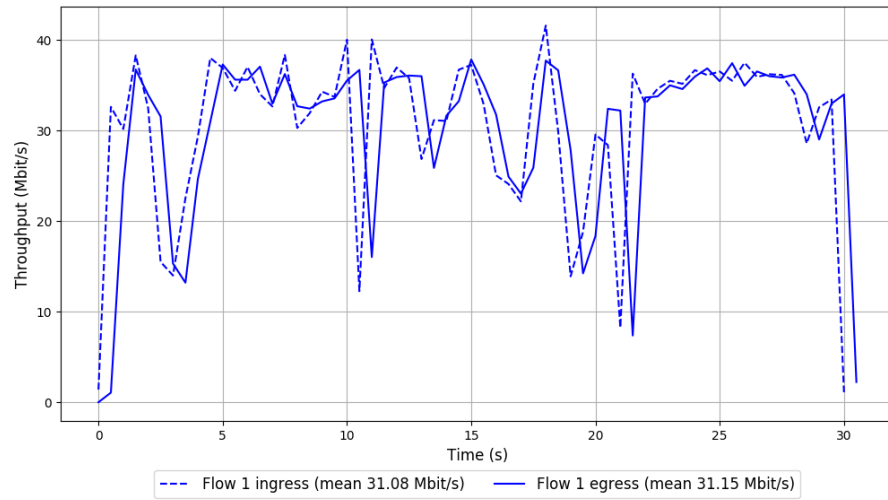


Run 7: Statistics of TCP BBR

Start at: 2018-05-24 02:15:59
End at: 2018-05-24 02:16:29
Local clock offset: -2.05 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-05-24 03:21:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 183.734 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 183.734 ms
Loss rate: 0.28%

Run 7: Report of TCP BBR — Data Link

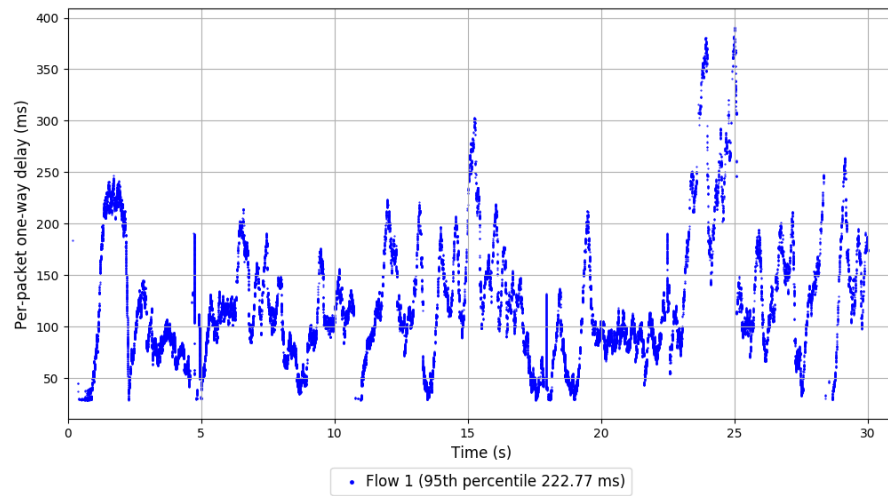
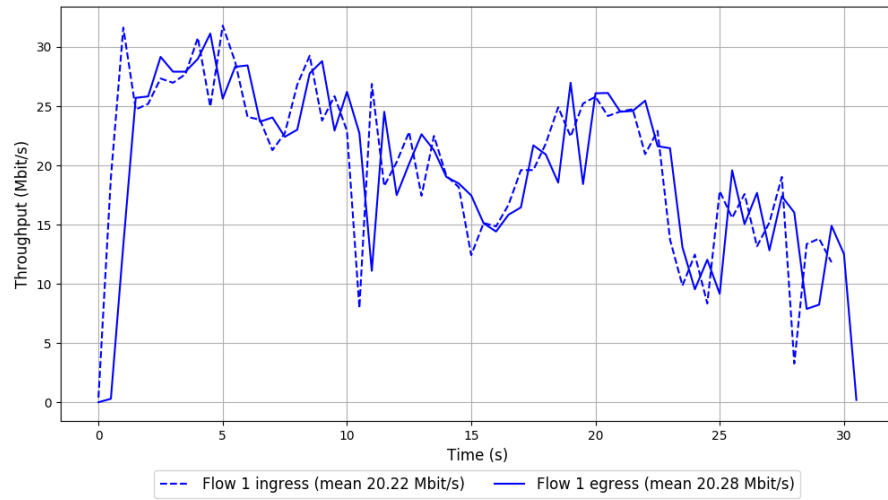


Run 8: Statistics of TCP BBR

Start at: 2018-05-24 02:36:53
End at: 2018-05-24 02:37:23
Local clock offset: -1.151 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-24 03:21:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 222.770 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 222.770 ms
Loss rate: 0.28%

Run 8: Report of TCP BBR — Data Link

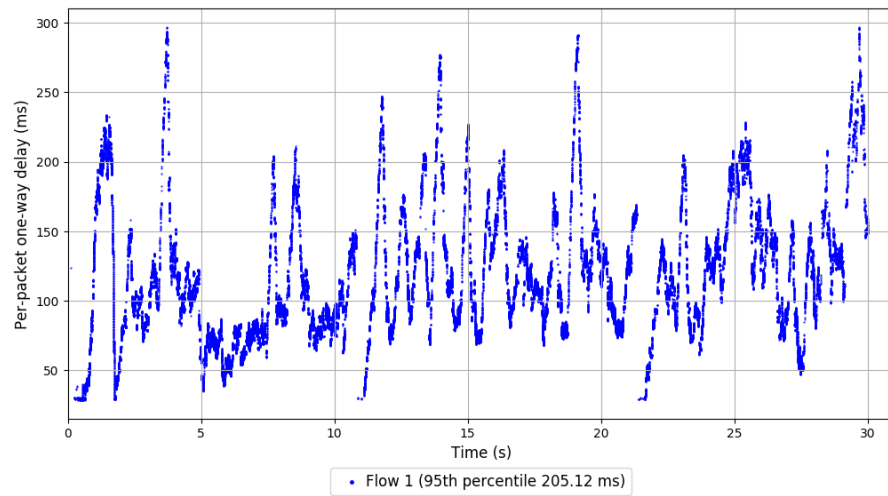
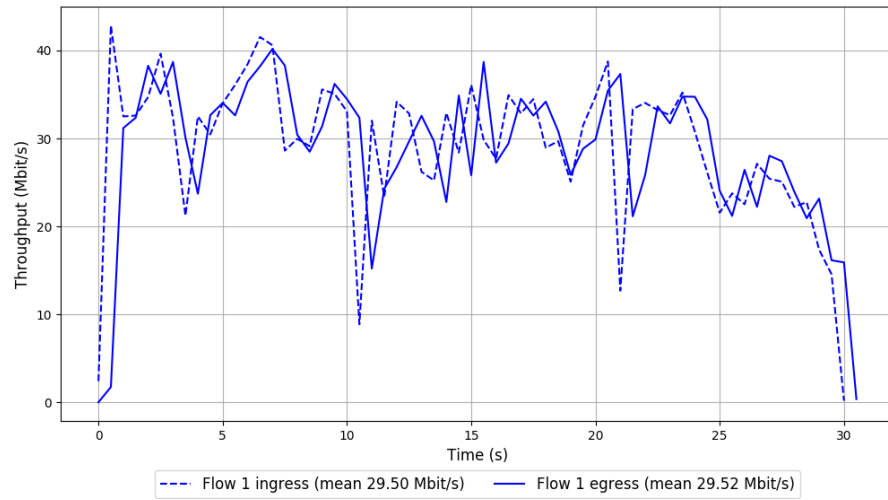


Run 9: Statistics of TCP BBR

Start at: 2018-05-24 02:57:49
End at: 2018-05-24 02:58:19
Local clock offset: -1.143 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-05-24 03:22:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.52 Mbit/s
95th percentile per-packet one-way delay: 205.123 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 29.52 Mbit/s
95th percentile per-packet one-way delay: 205.123 ms
Loss rate: 0.30%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-24 03:18:47

End at: 2018-05-24 03:19:17

Local clock offset: -0.177 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2018-05-24 03:22:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.26 Mbit/s

95th percentile per-packet one-way delay: 190.292 ms

Loss rate: 0.26%

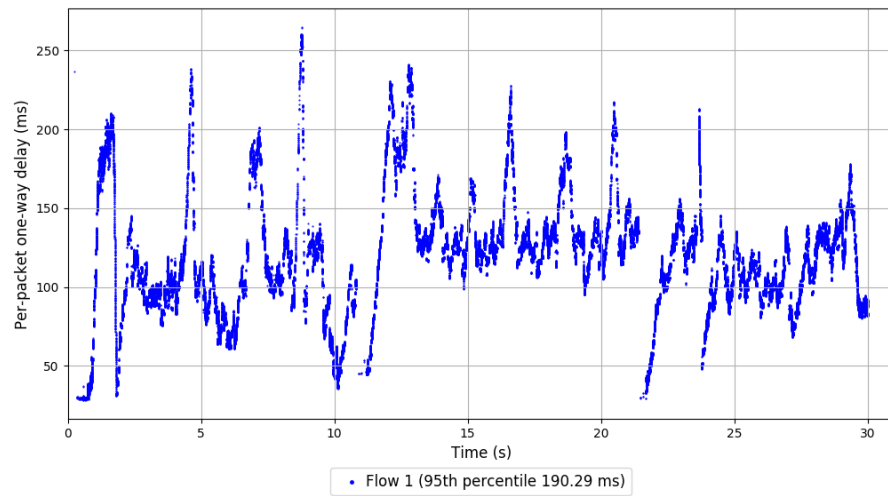
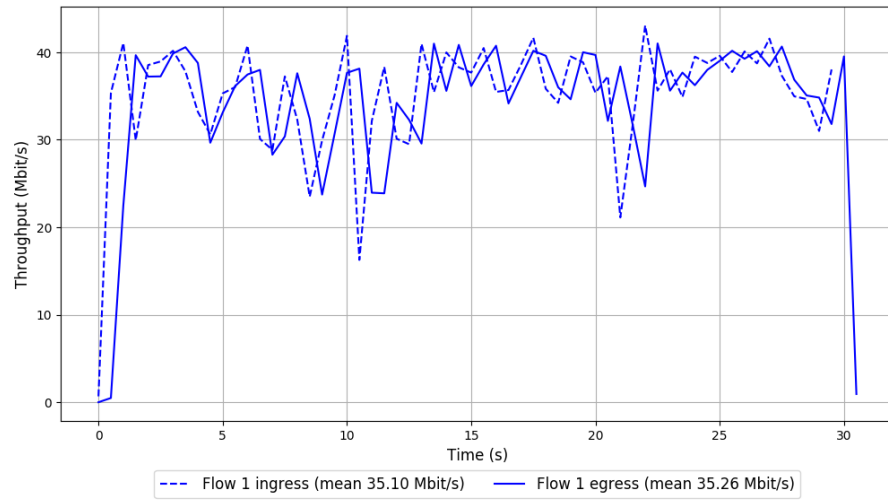
-- Flow 1:

Average throughput: 35.26 Mbit/s

95th percentile per-packet one-way delay: 190.292 ms

Loss rate: 0.26%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

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

End at: 2018-05-24 00:00:33

Local clock offset: -19.63 ms

Remote clock offset: 0.41 ms

Below is generated by plot.py at 2018-05-24 03:22:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.19 Mbit/s

95th percentile per-packet one-way delay: 44.940 ms

Loss rate: 0.01%

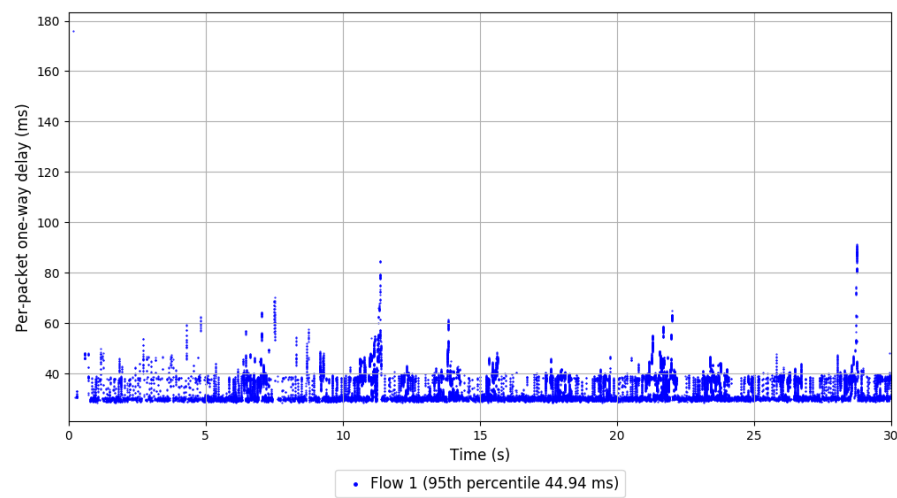
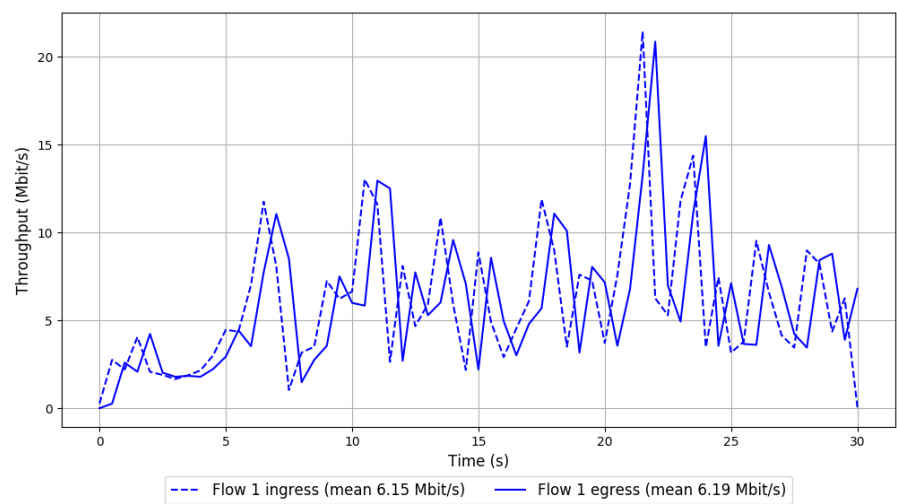
-- Flow 1:

Average throughput: 6.19 Mbit/s

95th percentile per-packet one-way delay: 44.940 ms

Loss rate: 0.01%

Run 1: Report of Copa — Data Link

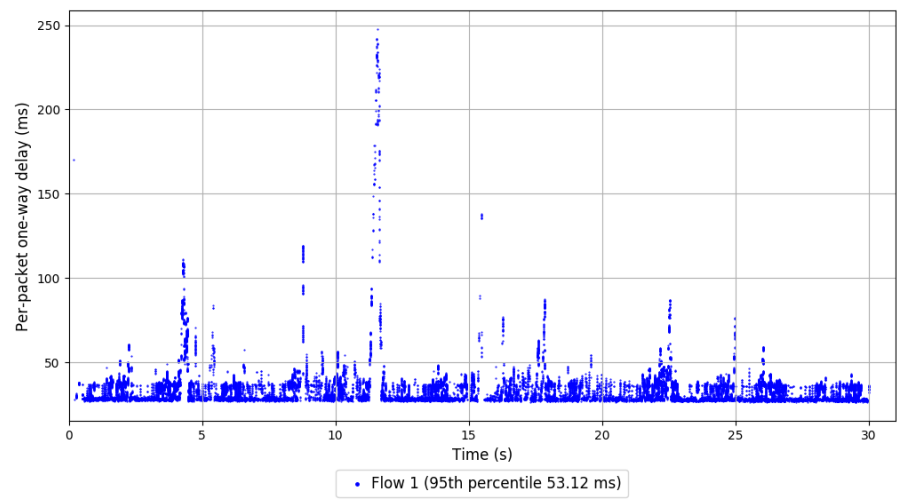
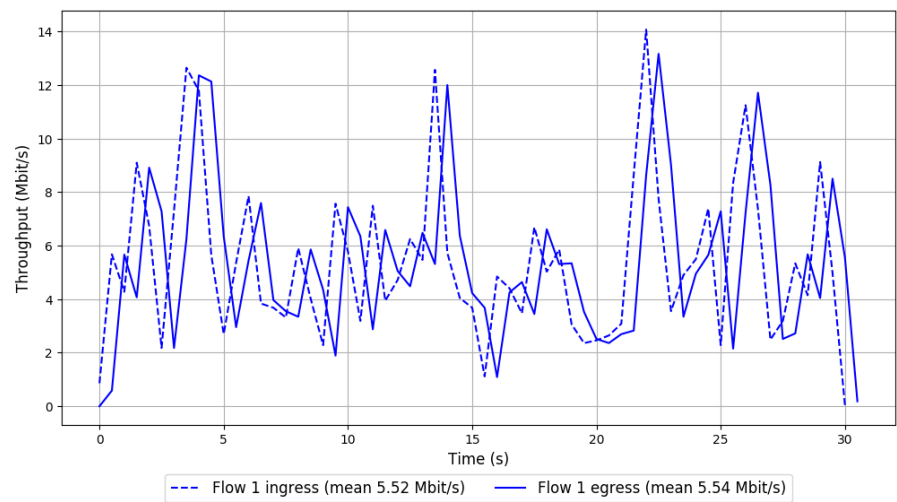


Run 2: Statistics of Copa

Start at: 2018-05-24 00:20:54
End at: 2018-05-24 00:21:24
Local clock offset: -30.511 ms
Remote clock offset: 0.579 ms

Below is generated by plot.py at 2018-05-24 03:22:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 53.120 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 53.120 ms
Loss rate: 0.05%

Run 2: Report of Copa — Data Link

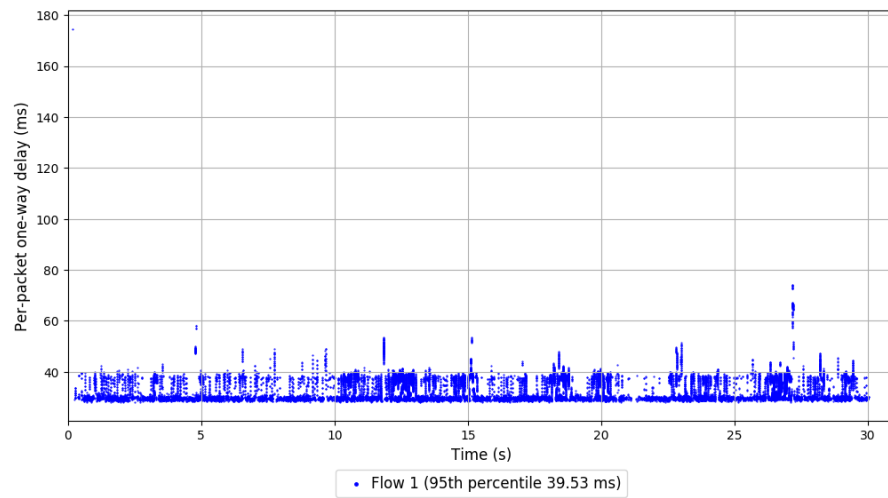
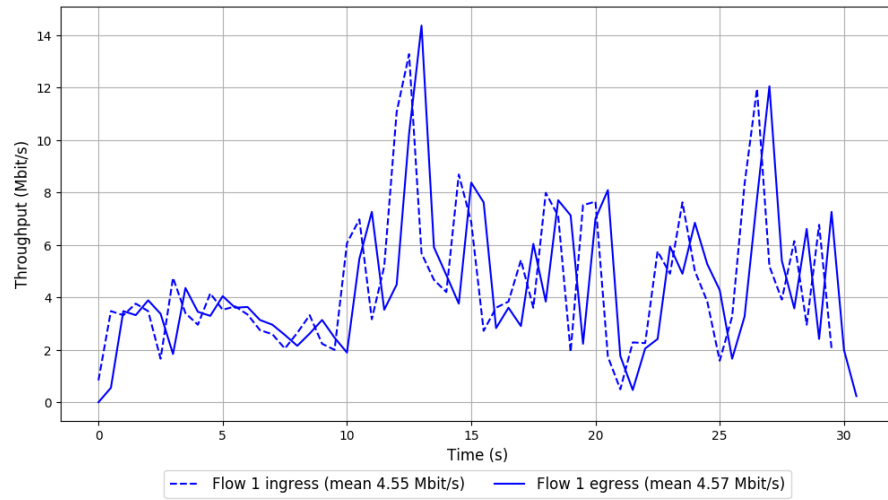


Run 3: Statistics of Copa

Start at: 2018-05-24 00:41:53
End at: 2018-05-24 00:42:23
Local clock offset: -18.403 ms
Remote clock offset: 0.56 ms

Below is generated by plot.py at 2018-05-24 03:22:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 39.532 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 39.532 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

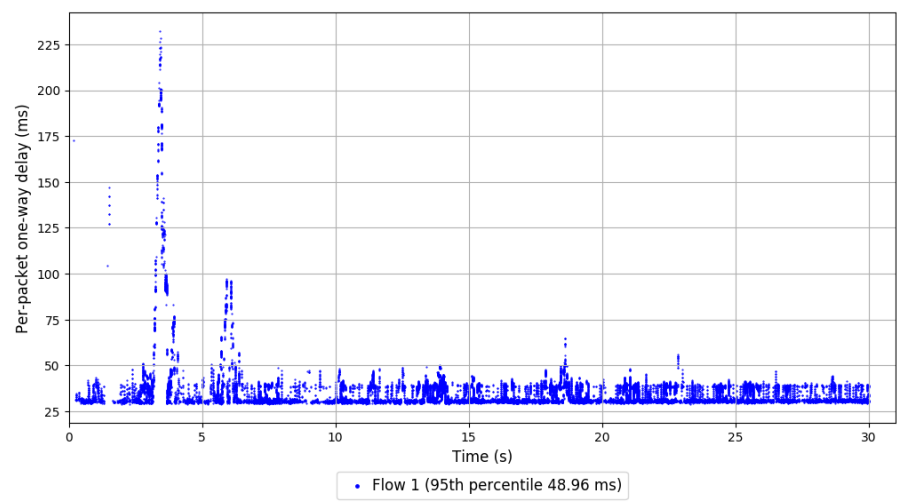
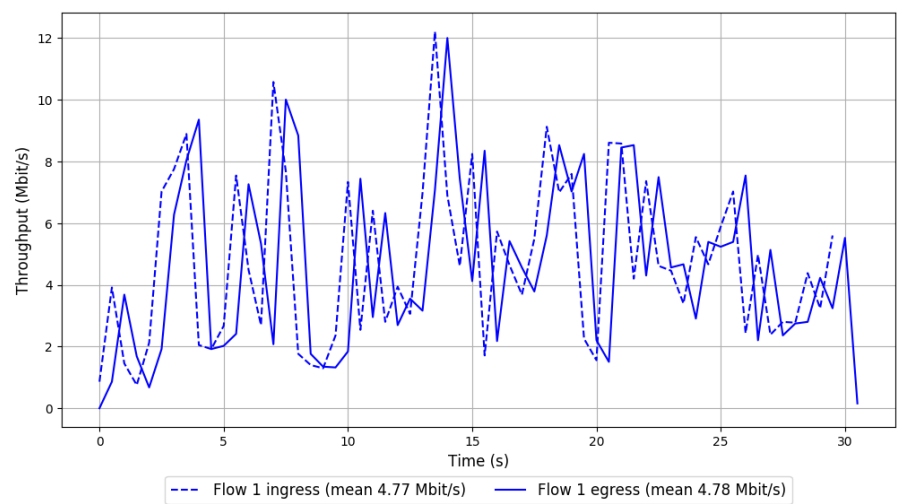


Run 4: Statistics of Copa

Start at: 2018-05-24 01:02:51
End at: 2018-05-24 01:03:21
Local clock offset: -16.776 ms
Remote clock offset: 0.428 ms

Below is generated by plot.py at 2018-05-24 03:22:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 48.964 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 48.964 ms
Loss rate: 0.10%

Run 4: Report of Copa — Data Link

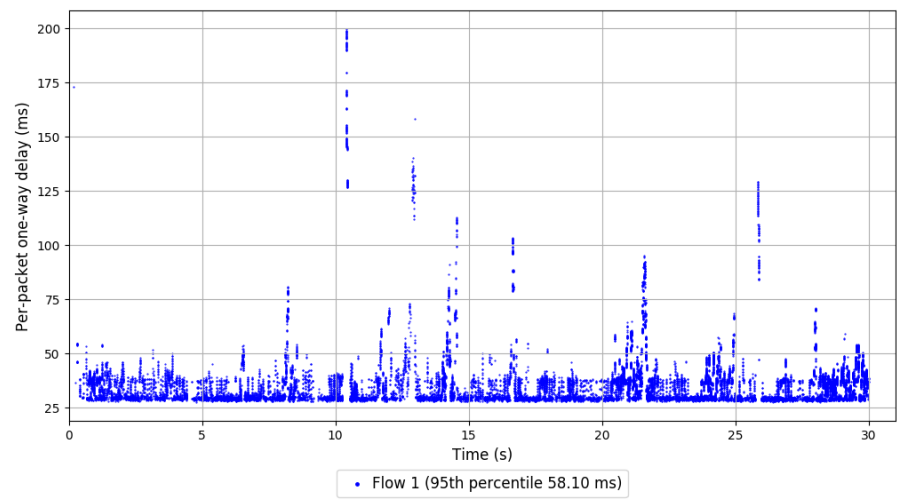
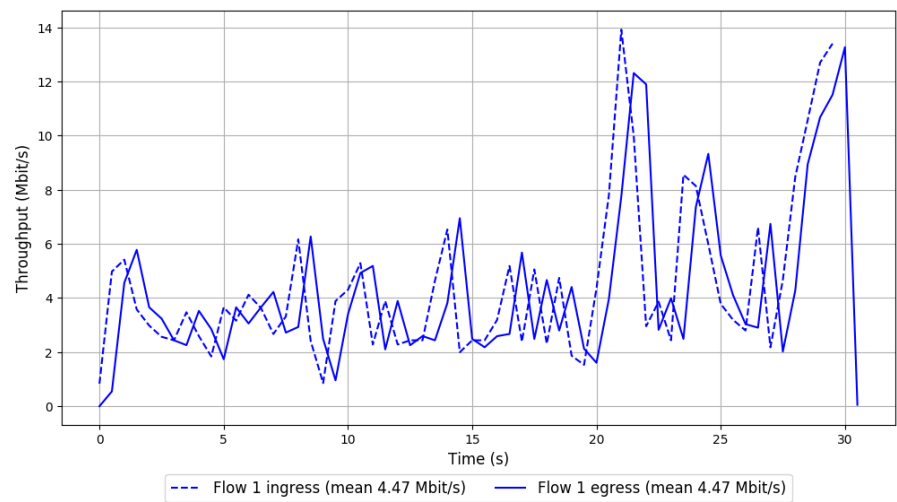


Run 5: Statistics of Copa

Start at: 2018-05-24 01:23:44
End at: 2018-05-24 01:24:14
Local clock offset: -10.844 ms
Remote clock offset: 0.156 ms

Below is generated by plot.py at 2018-05-24 03:22:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 58.105 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 58.105 ms
Loss rate: 0.50%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-24 01:44:36

End at: 2018-05-24 01:45:06

Local clock offset: -4.634 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-05-24 03:22:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.29 Mbit/s

95th percentile per-packet one-way delay: 43.906 ms

Loss rate: 0.02%

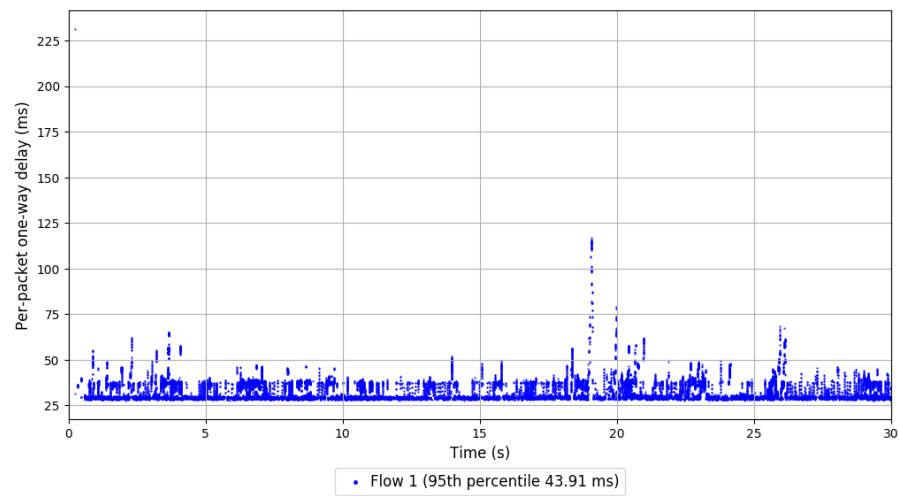
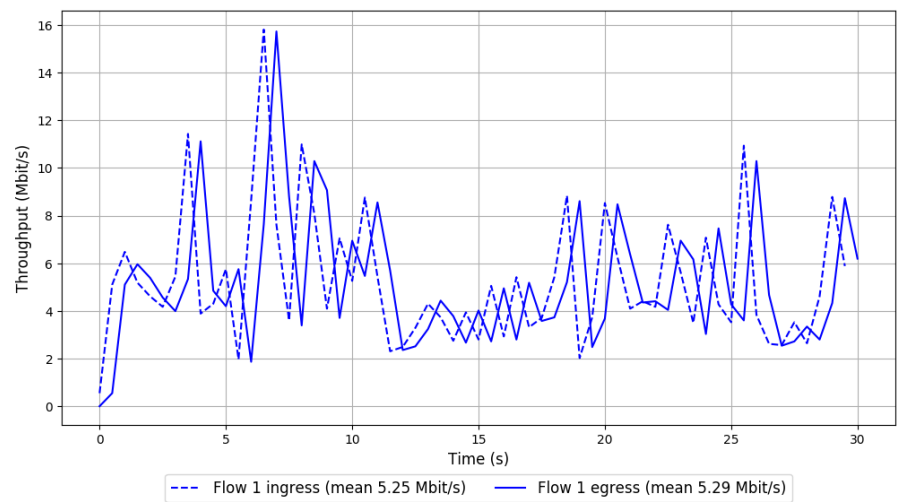
-- Flow 1:

Average throughput: 5.29 Mbit/s

95th percentile per-packet one-way delay: 43.906 ms

Loss rate: 0.02%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-05-24 02:05:29

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

Local clock offset: -3.217 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-05-24 03:22:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.88 Mbit/s

95th percentile per-packet one-way delay: 39.426 ms

Loss rate: 0.04%

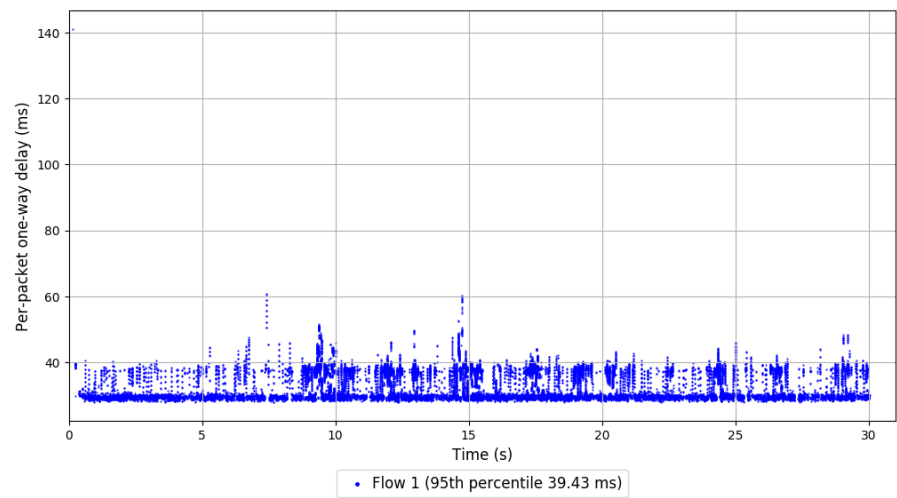
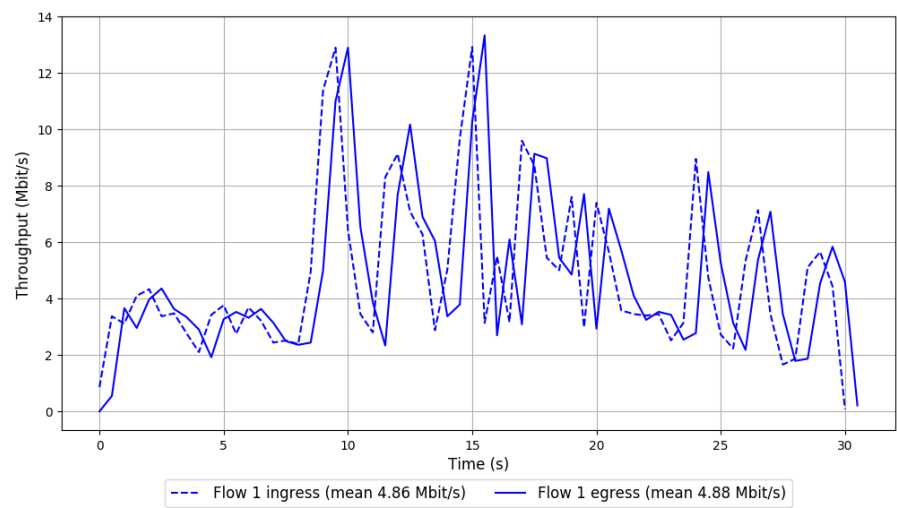
-- Flow 1:

Average throughput: 4.88 Mbit/s

95th percentile per-packet one-way delay: 39.426 ms

Loss rate: 0.04%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-05-24 02:26:25

End at: 2018-05-24 02:26:55

Local clock offset: -2.591 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-05-24 03:22:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.74 Mbit/s

95th percentile per-packet one-way delay: 41.768 ms

Loss rate: 0.05%

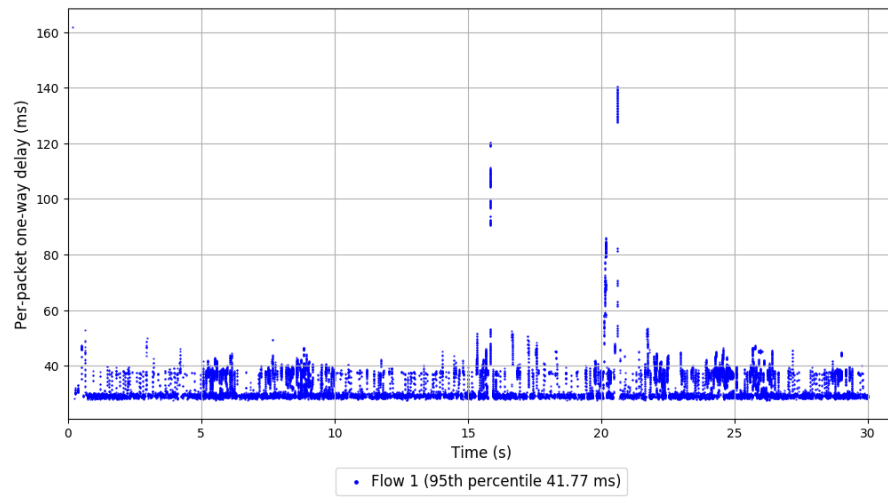
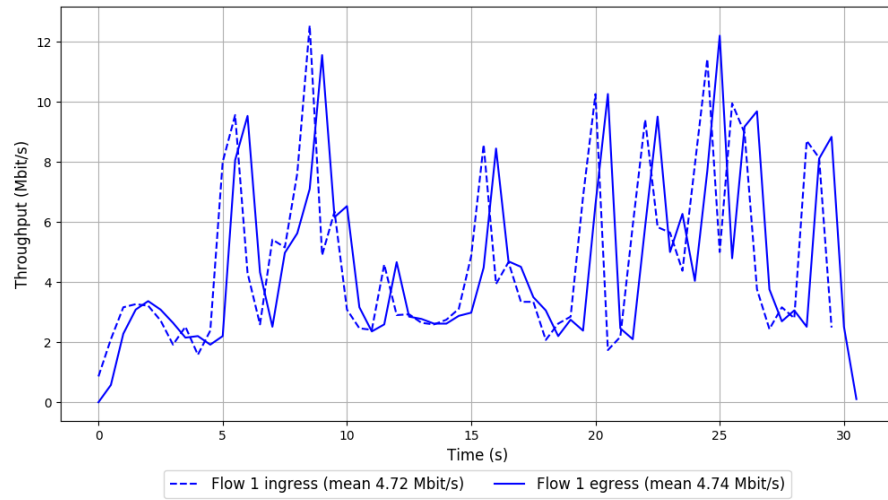
-- Flow 1:

Average throughput: 4.74 Mbit/s

95th percentile per-packet one-way delay: 41.768 ms

Loss rate: 0.05%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-05-24 02:47:19

End at: 2018-05-24 02:47:49

Local clock offset: -0.726 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-05-24 03:22:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.78 Mbit/s

95th percentile per-packet one-way delay: 43.717 ms

Loss rate: 0.06%

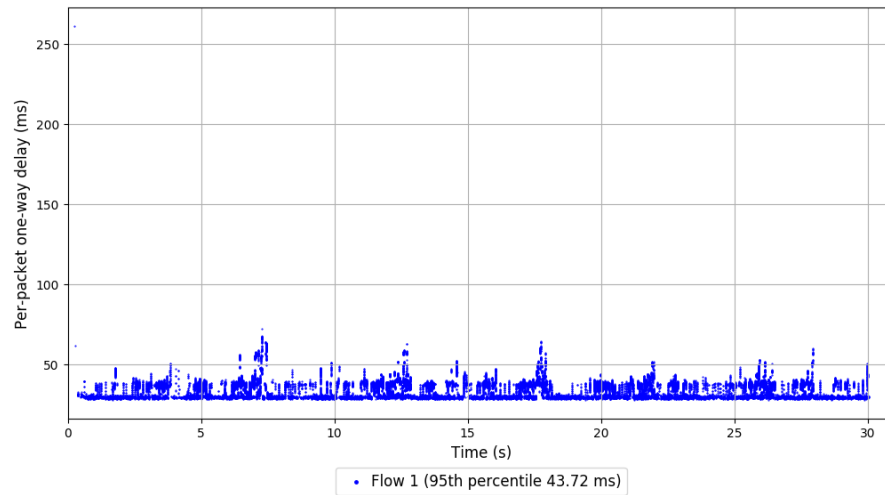
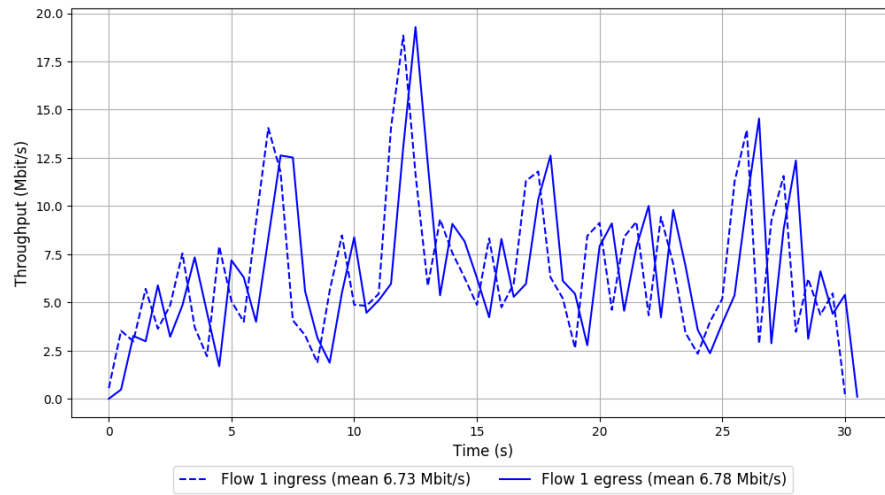
-- Flow 1:

Average throughput: 6.78 Mbit/s

95th percentile per-packet one-way delay: 43.717 ms

Loss rate: 0.06%

Run 9: Report of Copa — Data Link

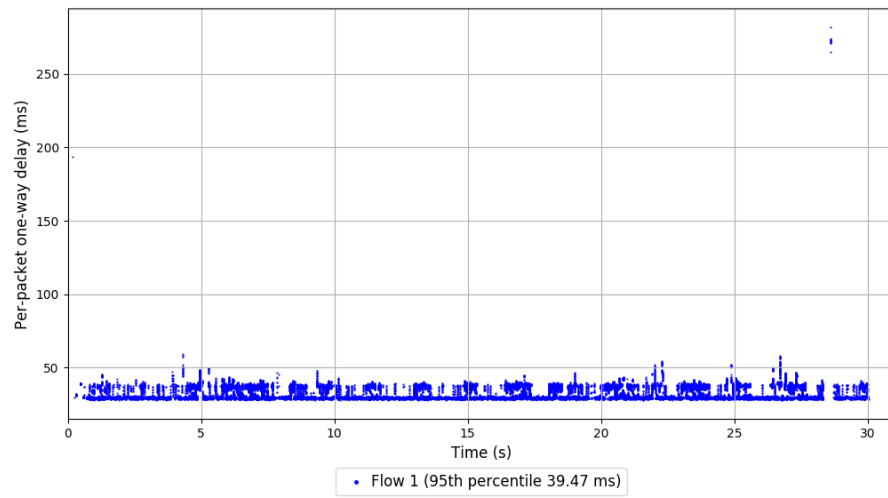
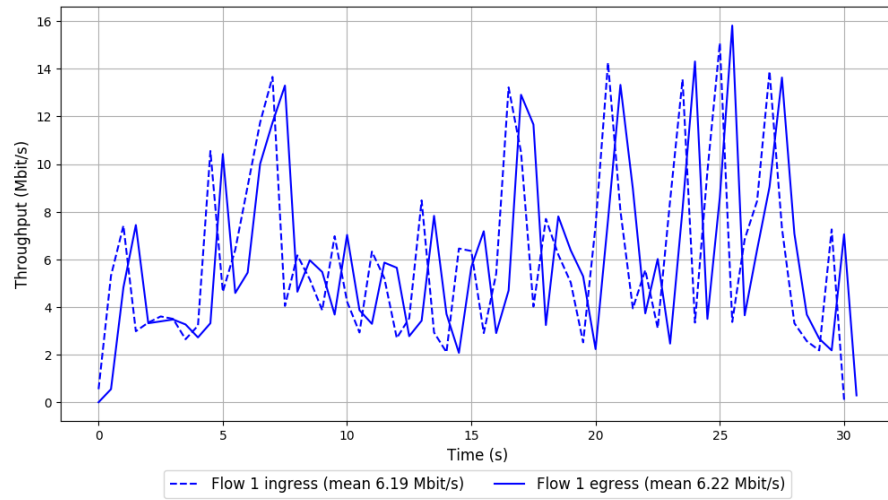


Run 10: Statistics of Copa

Start at: 2018-05-24 03:08:17
End at: 2018-05-24 03:08:47
Local clock offset: -0.334 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-24 03:22:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.22 Mbit/s
95th percentile per-packet one-way delay: 39.466 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 6.22 Mbit/s
95th percentile per-packet one-way delay: 39.466 ms
Loss rate: 0.03%

Run 10: Report of Copa — Data Link

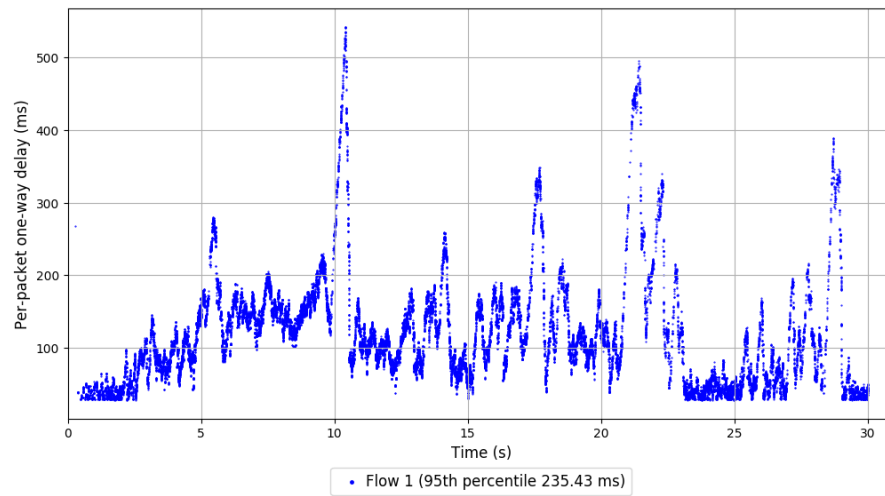
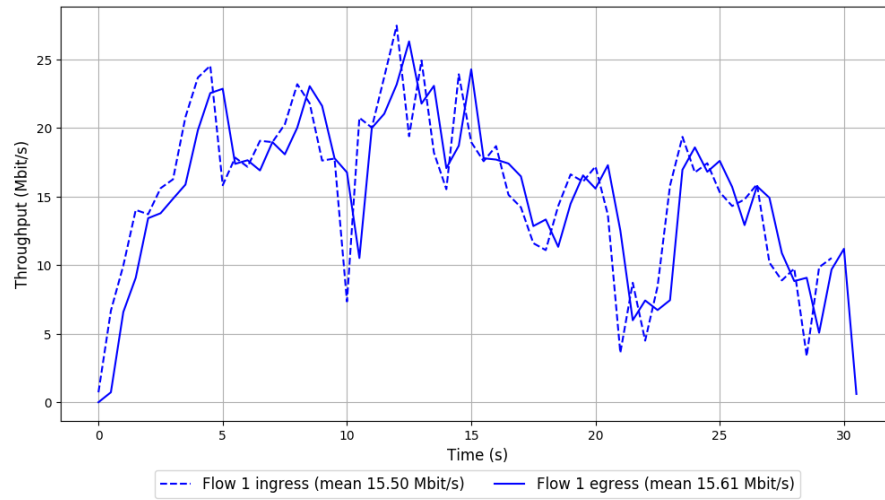


Run 1: Statistics of TCP Cubic

Start at: 2018-05-24 00:02:39
End at: 2018-05-24 00:03:09
Local clock offset: -18.085 ms
Remote clock offset: 0.384 ms

Below is generated by plot.py at 2018-05-24 03:22:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 235.430 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 235.430 ms
Loss rate: 0.03%

Run 1: Report of TCP Cubic — Data Link

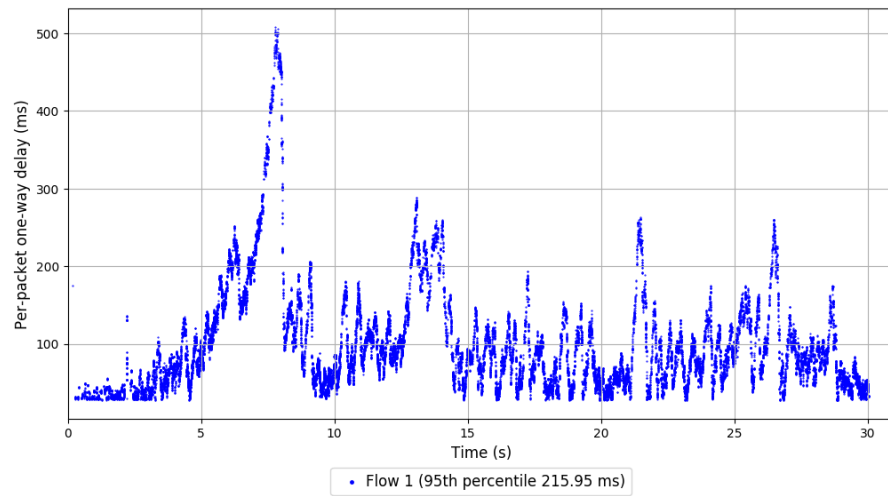
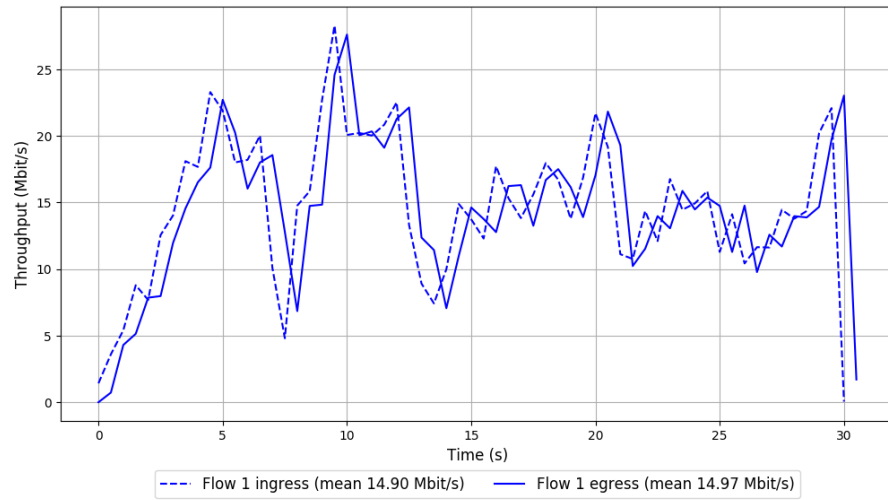


Run 2: Statistics of TCP Cubic

Start at: 2018-05-24 00:23:35
End at: 2018-05-24 00:24:05
Local clock offset: -34.067 ms
Remote clock offset: 0.485 ms

Below is generated by plot.py at 2018-05-24 03:22:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.97 Mbit/s
95th percentile per-packet one-way delay: 215.951 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 14.97 Mbit/s
95th percentile per-packet one-way delay: 215.951 ms
Loss rate: 0.03%

Run 2: Report of TCP Cubic — Data Link

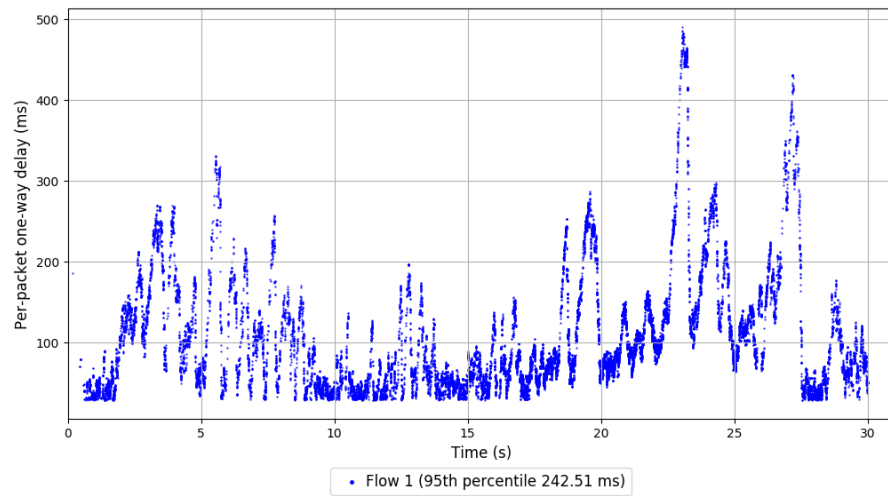
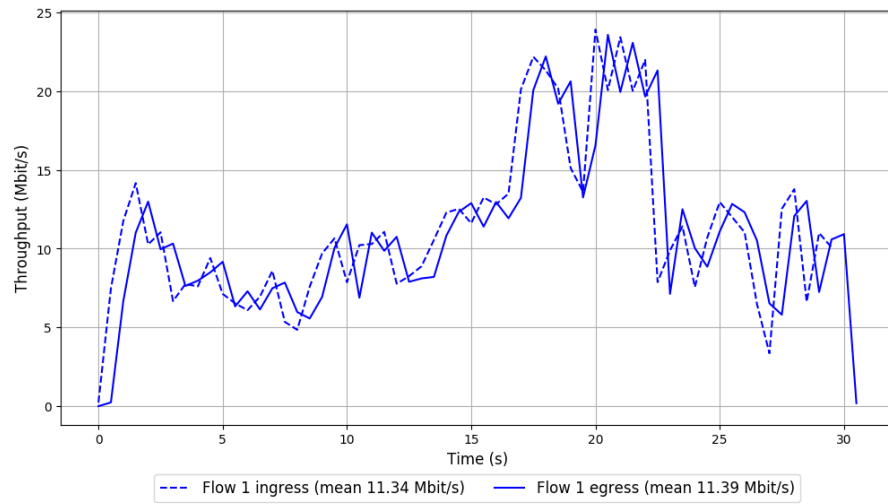


Run 3: Statistics of TCP Cubic

Start at: 2018-05-24 00:44:29
End at: 2018-05-24 00:44:59
Local clock offset: -17.811 ms
Remote clock offset: 0.514 ms

Below is generated by plot.py at 2018-05-24 03:22:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 242.514 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 242.514 ms
Loss rate: 0.13%

Run 3: Report of TCP Cubic — Data Link

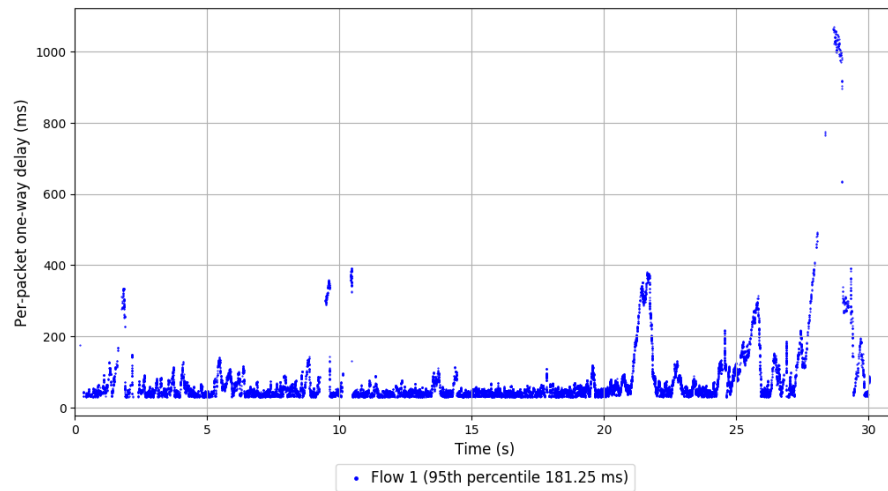
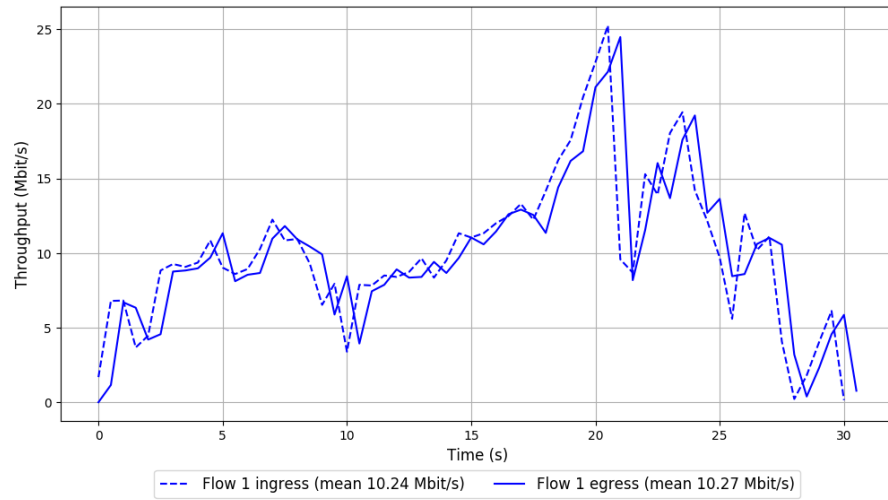


Run 4: Statistics of TCP Cubic

Start at: 2018-05-24 01:05:28
End at: 2018-05-24 01:05:58
Local clock offset: -13.691 ms
Remote clock offset: 0.313 ms

Below is generated by plot.py at 2018-05-24 03:22:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 181.252 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 181.252 ms
Loss rate: 0.23%

Run 4: Report of TCP Cubic — Data Link

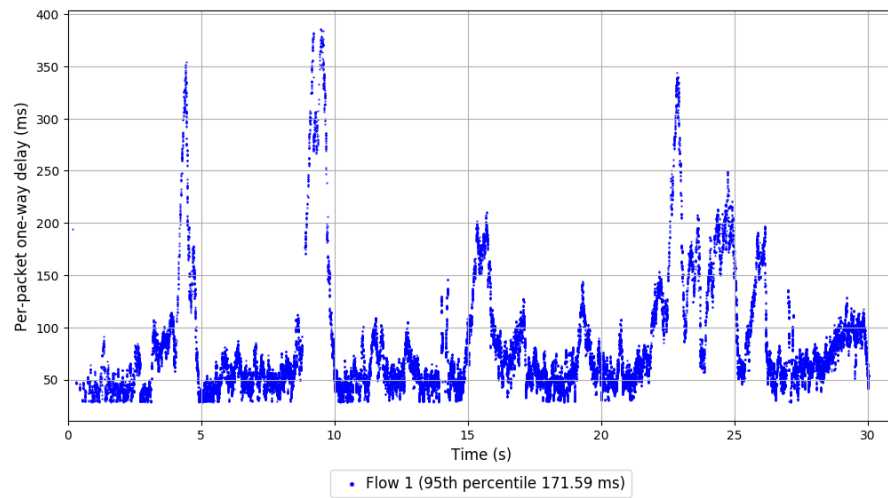
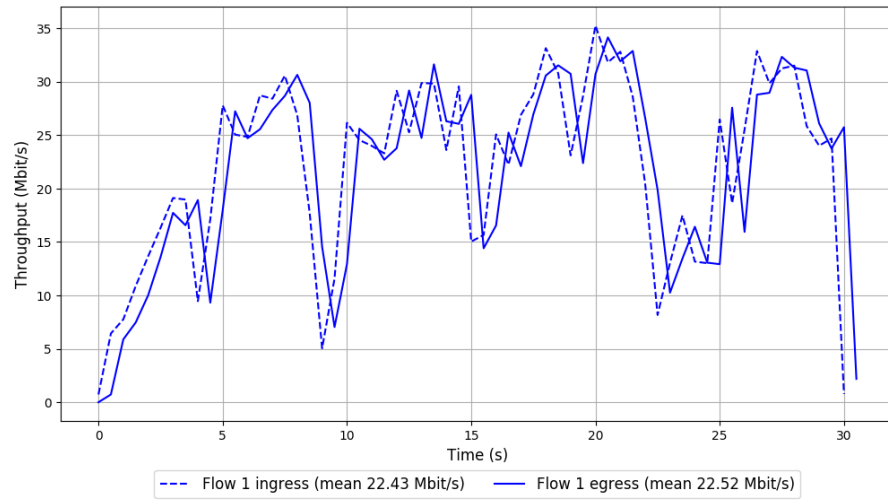


Run 5: Statistics of TCP Cubic

Start at: 2018-05-24 01:26:20
End at: 2018-05-24 01:26:50
Local clock offset: -11.552 ms
Remote clock offset: 0.184 ms

Below is generated by plot.py at 2018-05-24 03:22:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.52 Mbit/s
95th percentile per-packet one-way delay: 171.590 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 22.52 Mbit/s
95th percentile per-packet one-way delay: 171.590 ms
Loss rate: 0.16%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-24 01:47:12

End at: 2018-05-24 01:47:42

Local clock offset: -4.629 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-05-24 03:22:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.29 Mbit/s

95th percentile per-packet one-way delay: 227.557 ms

Loss rate: 0.22%

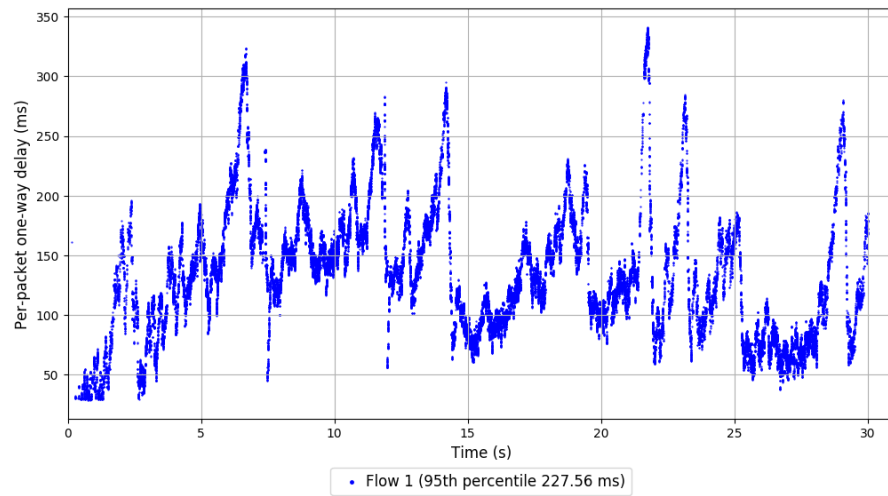
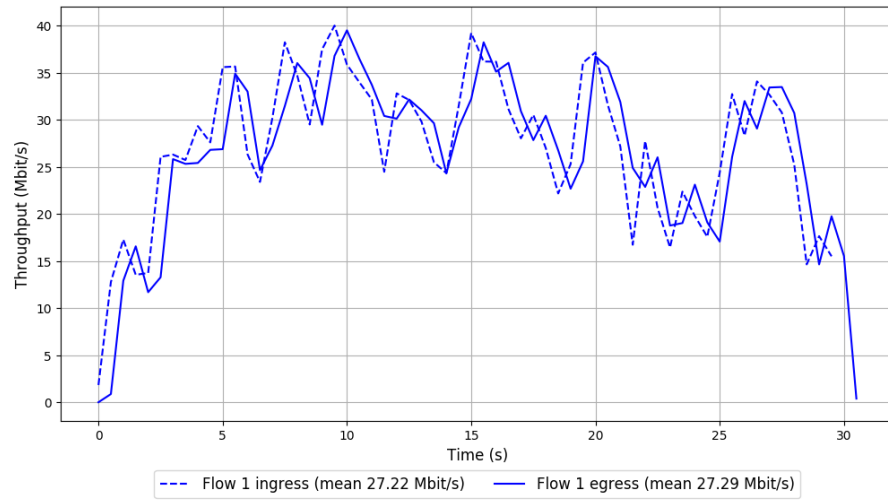
-- Flow 1:

Average throughput: 27.29 Mbit/s

95th percentile per-packet one-way delay: 227.557 ms

Loss rate: 0.22%

Run 6: Report of TCP Cubic — Data Link

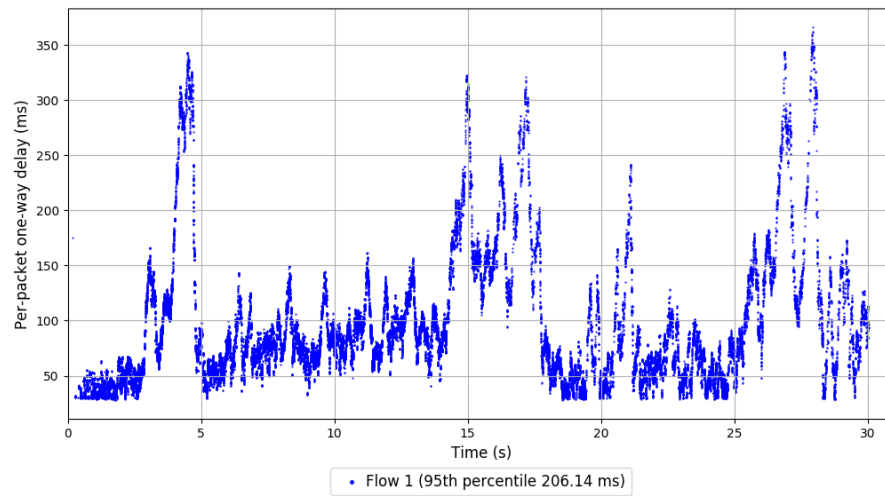
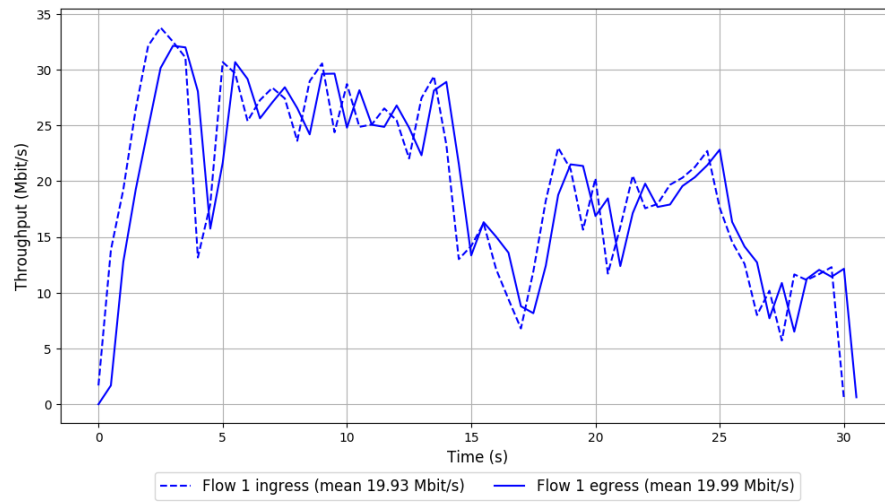


Run 7: Statistics of TCP Cubic

Start at: 2018-05-24 02:08:05
End at: 2018-05-24 02:08:36
Local clock offset: -2.615 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-05-24 03:22:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.99 Mbit/s
95th percentile per-packet one-way delay: 206.139 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 19.99 Mbit/s
95th percentile per-packet one-way delay: 206.139 ms
Loss rate: 0.18%

Run 7: Report of TCP Cubic — Data Link

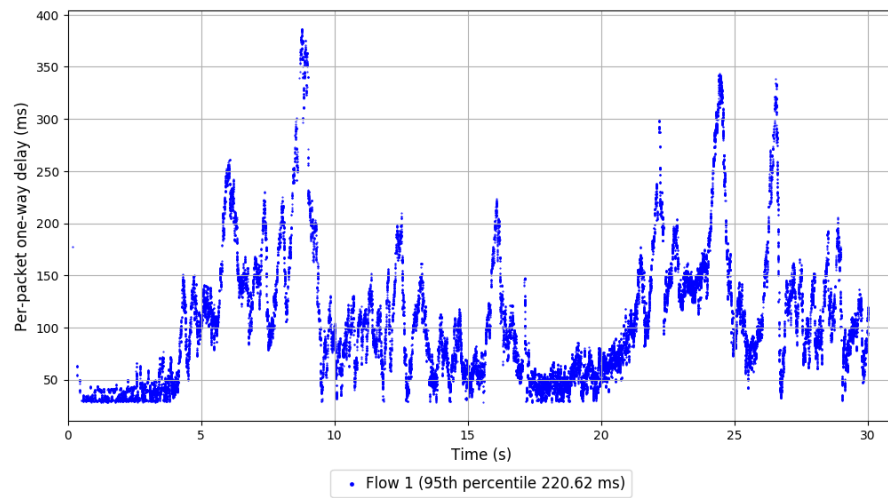
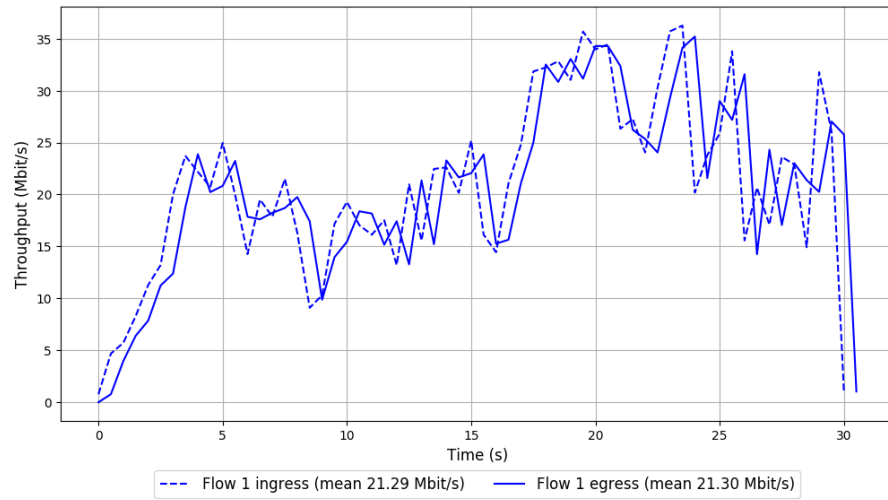


Run 8: Statistics of TCP Cubic

Start at: 2018-05-24 02:29:01
End at: 2018-05-24 02:29:31
Local clock offset: -2.818 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-05-24 03:22:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.30 Mbit/s
95th percentile per-packet one-way delay: 220.621 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 21.30 Mbit/s
95th percentile per-packet one-way delay: 220.621 ms
Loss rate: 0.45%

Run 8: Report of TCP Cubic — Data Link

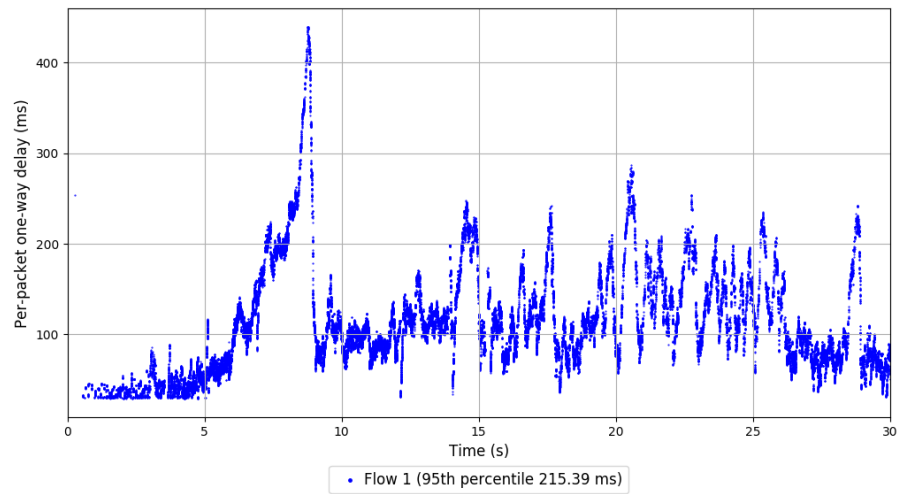
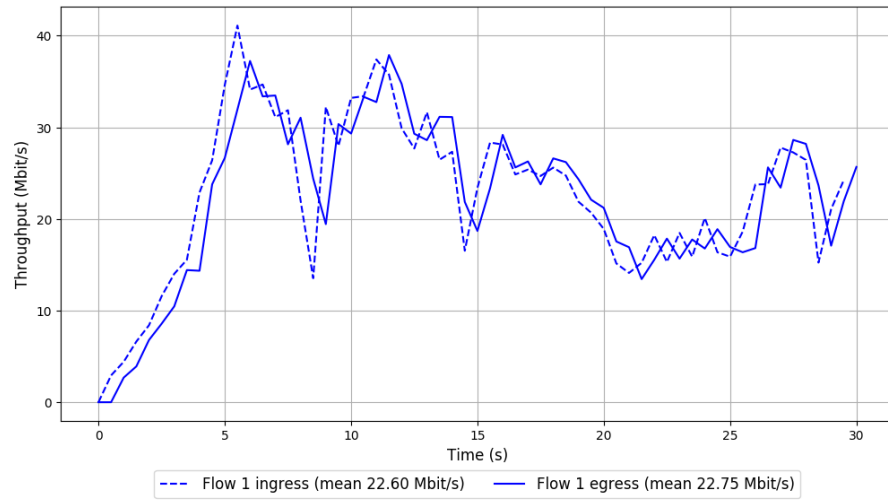


Run 9: Statistics of TCP Cubic

Start at: 2018-05-24 02:49:56
End at: 2018-05-24 02:50:26
Local clock offset: -0.772 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-05-24 03:22:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.75 Mbit/s
95th percentile per-packet one-way delay: 215.389 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 22.75 Mbit/s
95th percentile per-packet one-way delay: 215.389 ms
Loss rate: 0.13%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-24 03:10:53

End at: 2018-05-24 03:11:23

Local clock offset: -0.165 ms

Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-05-24 03:22:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.42 Mbit/s

95th percentile per-packet one-way delay: 210.198 ms

Loss rate: 0.25%

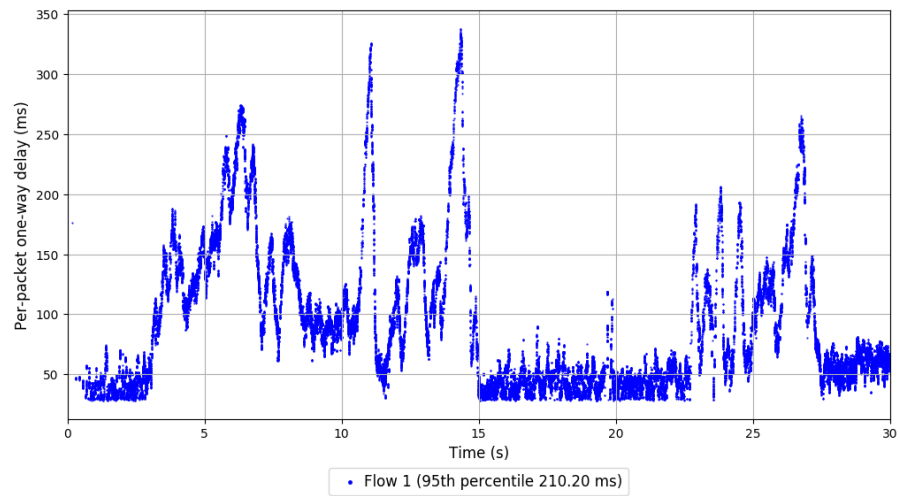
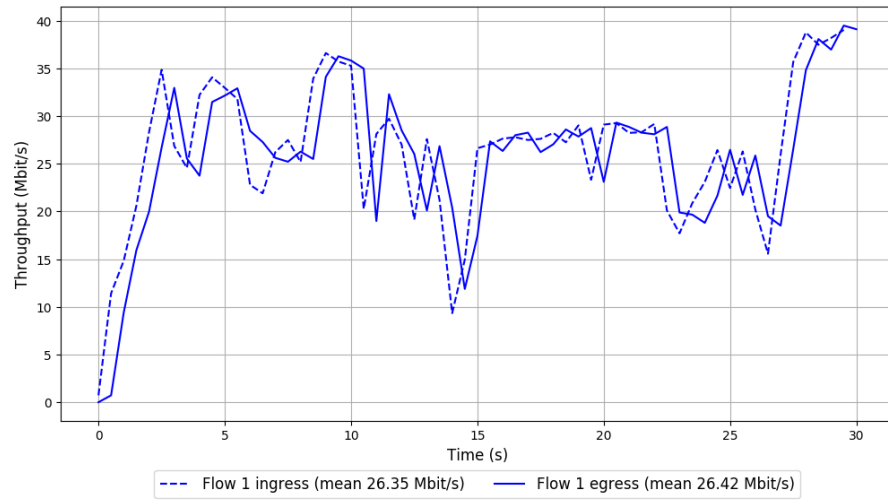
-- Flow 1:

Average throughput: 26.42 Mbit/s

95th percentile per-packet one-way delay: 210.198 ms

Loss rate: 0.25%

Run 10: Report of TCP Cubic — Data Link

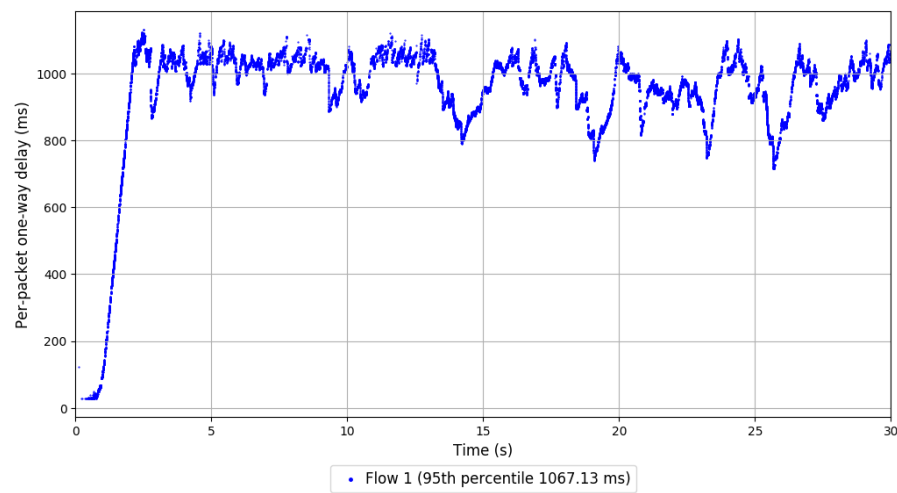
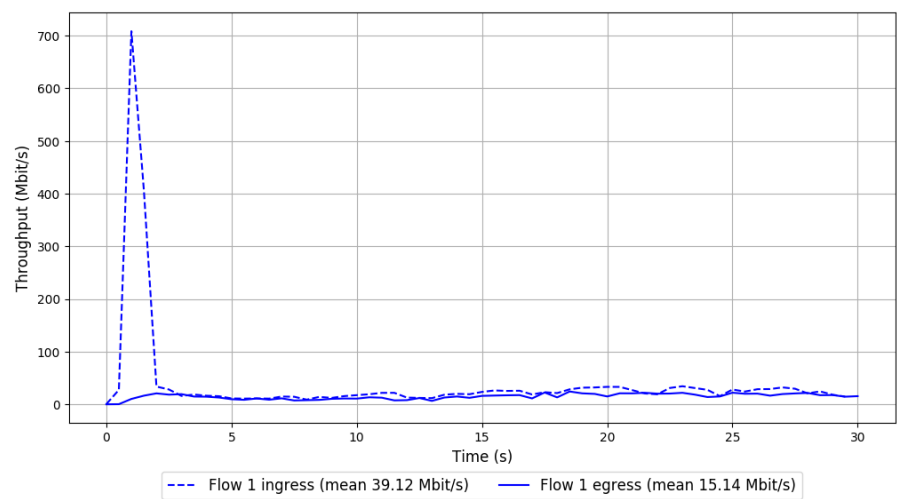


Run 1: Statistics of FillP

Start at: 2018-05-24 00:05:16
End at: 2018-05-24 00:05:46
Local clock offset: -17.975 ms
Remote clock offset: 0.378 ms

Below is generated by plot.py at 2018-05-24 03:22:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.14 Mbit/s
95th percentile per-packet one-way delay: 1067.135 ms
Loss rate: 61.44%
-- Flow 1:
Average throughput: 15.14 Mbit/s
95th percentile per-packet one-way delay: 1067.135 ms
Loss rate: 61.44%

Run 1: Report of FillP — Data Link

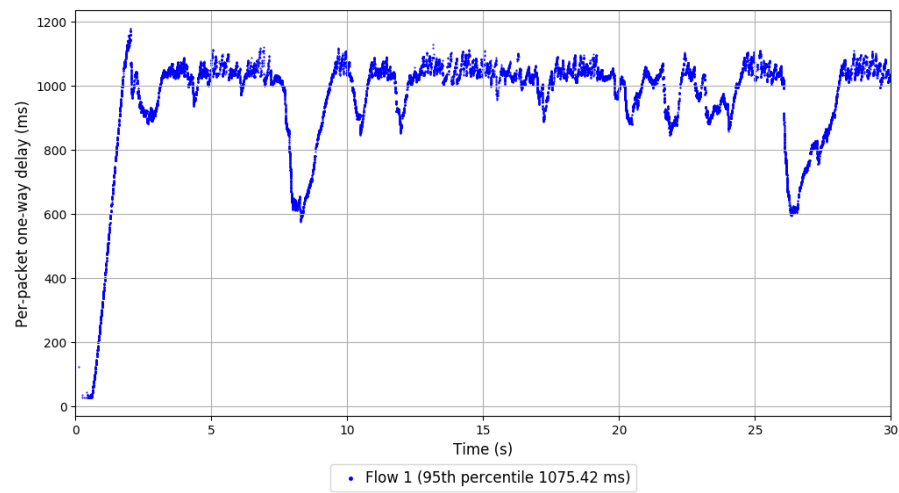
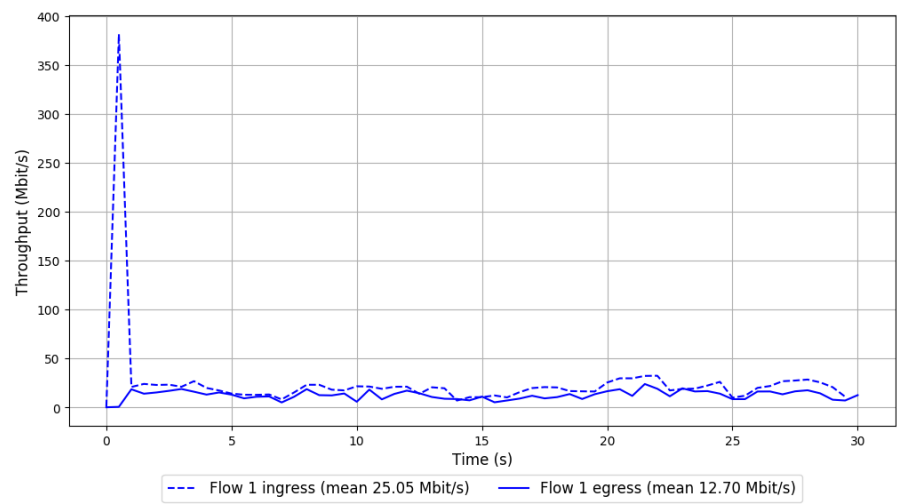


Run 2: Statistics of FillP

Start at: 2018-05-24 00:26:11
End at: 2018-05-24 00:26:41
Local clock offset: -37.142 ms
Remote clock offset: 0.451 ms

Below is generated by plot.py at 2018-05-24 03:22:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 1075.420 ms
Loss rate: 49.50%
-- Flow 1:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 1075.420 ms
Loss rate: 49.50%

Run 2: Report of FillP — Data Link

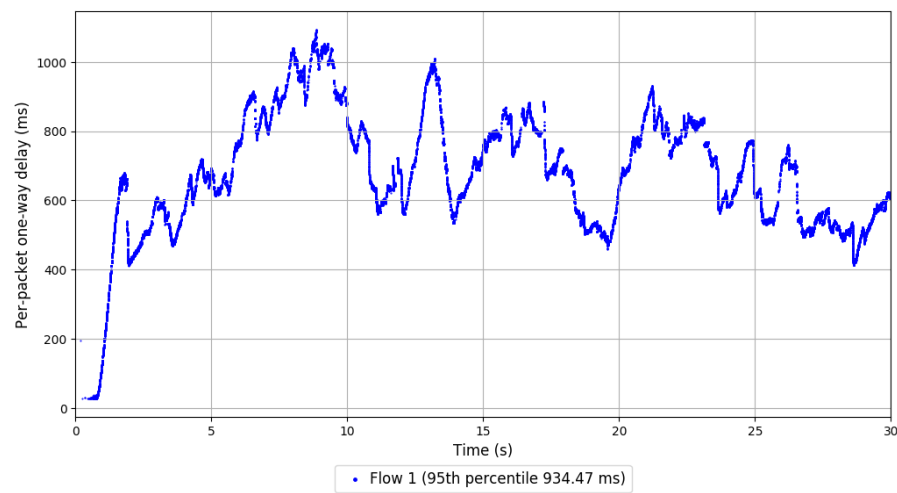
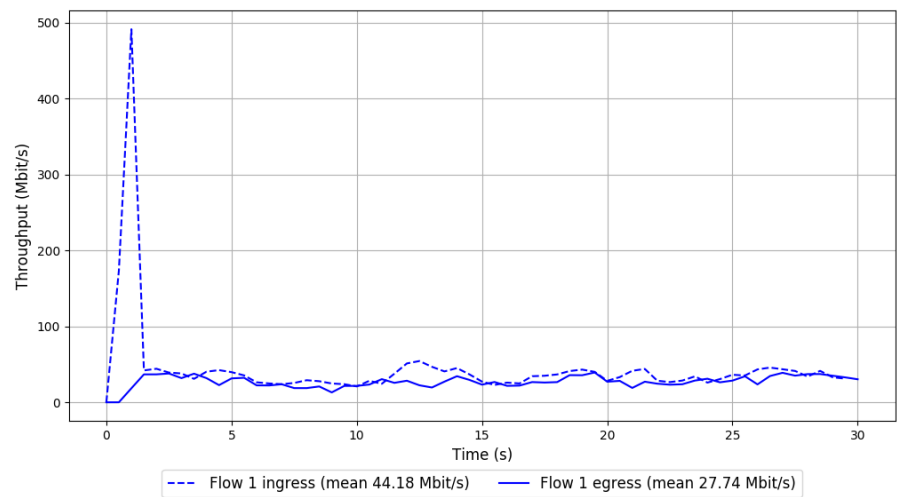


Run 3: Statistics of FillP

Start at: 2018-05-24 00:47:06
End at: 2018-05-24 00:47:36
Local clock offset: -17.896 ms
Remote clock offset: 0.595 ms

Below is generated by plot.py at 2018-05-24 03:23:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.74 Mbit/s
95th percentile per-packet one-way delay: 934.465 ms
Loss rate: 37.59%
-- Flow 1:
Average throughput: 27.74 Mbit/s
95th percentile per-packet one-way delay: 934.465 ms
Loss rate: 37.59%

Run 3: Report of FillP — Data Link

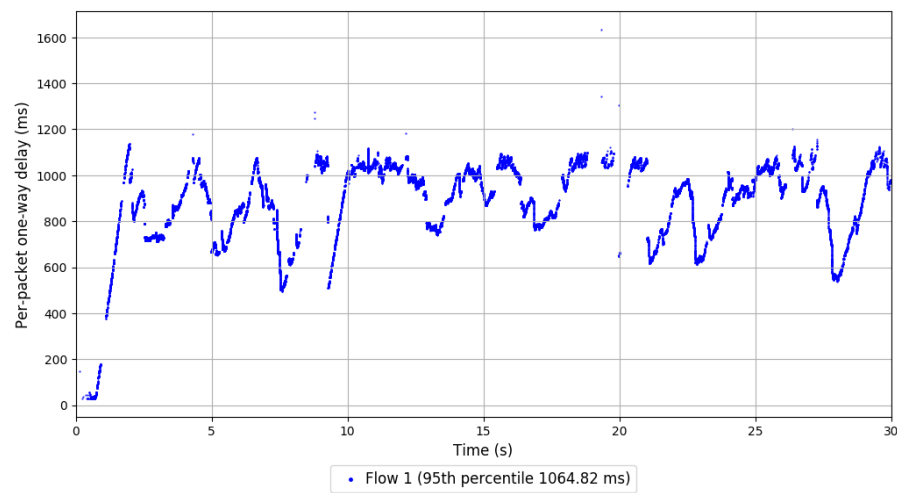
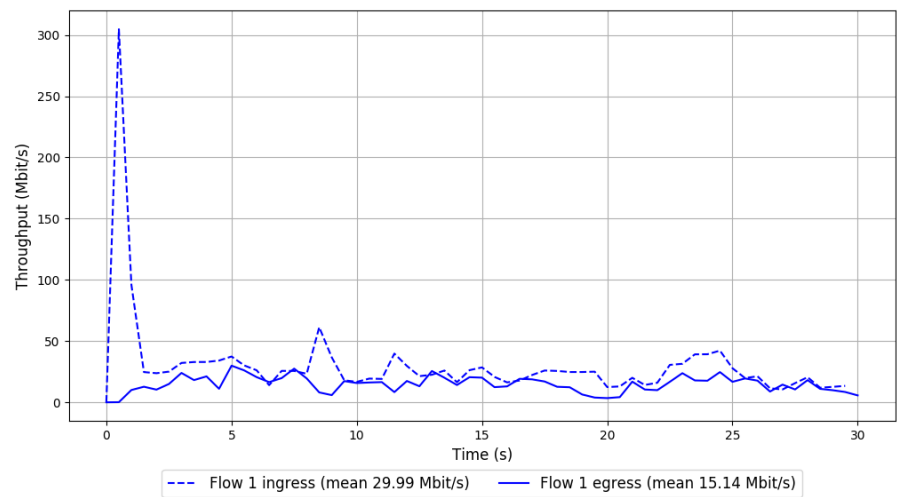


Run 4: Statistics of FillP

Start at: 2018-05-24 01:08:04
End at: 2018-05-24 01:08:34
Local clock offset: -11.586 ms
Remote clock offset: 0.23 ms

Below is generated by plot.py at 2018-05-24 03:23:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.14 Mbit/s
95th percentile per-packet one-way delay: 1064.817 ms
Loss rate: 49.75%
-- Flow 1:
Average throughput: 15.14 Mbit/s
95th percentile per-packet one-way delay: 1064.817 ms
Loss rate: 49.75%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-24 01:28:57

End at: 2018-05-24 01:29:27

Local clock offset: -12.35 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-05-24 03:23:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.89 Mbit/s

95th percentile per-packet one-way delay: 973.839 ms

Loss rate: 32.36%

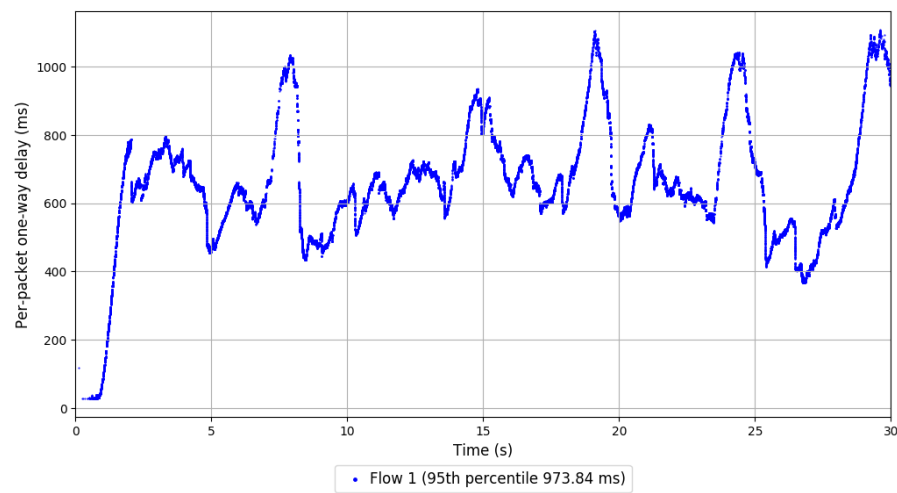
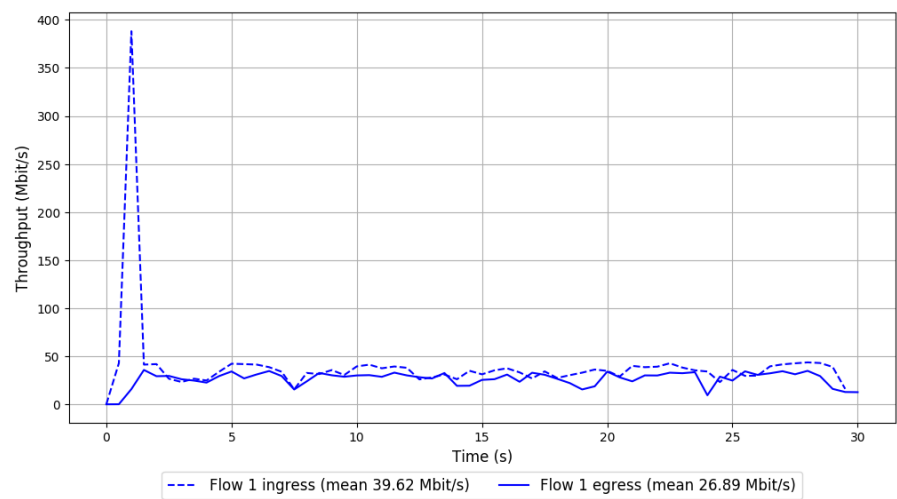
-- Flow 1:

Average throughput: 26.89 Mbit/s

95th percentile per-packet one-way delay: 973.839 ms

Loss rate: 32.36%

Run 5: Report of FillP — Data Link

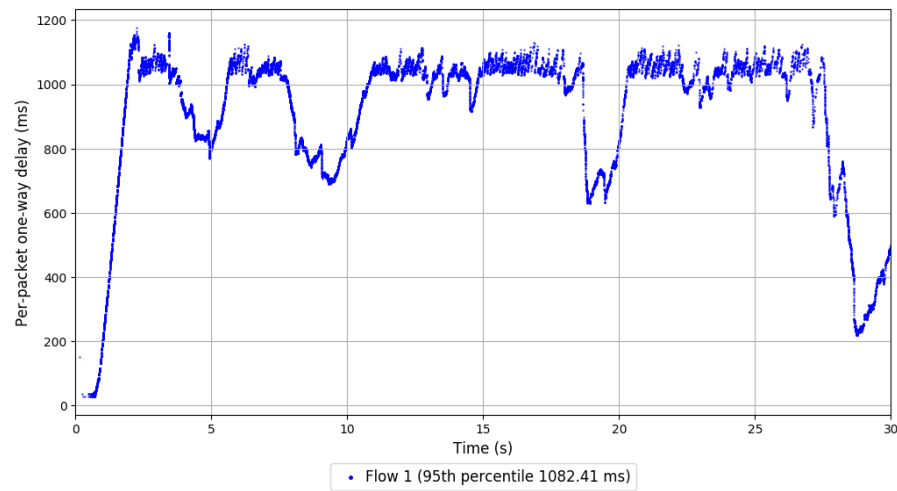
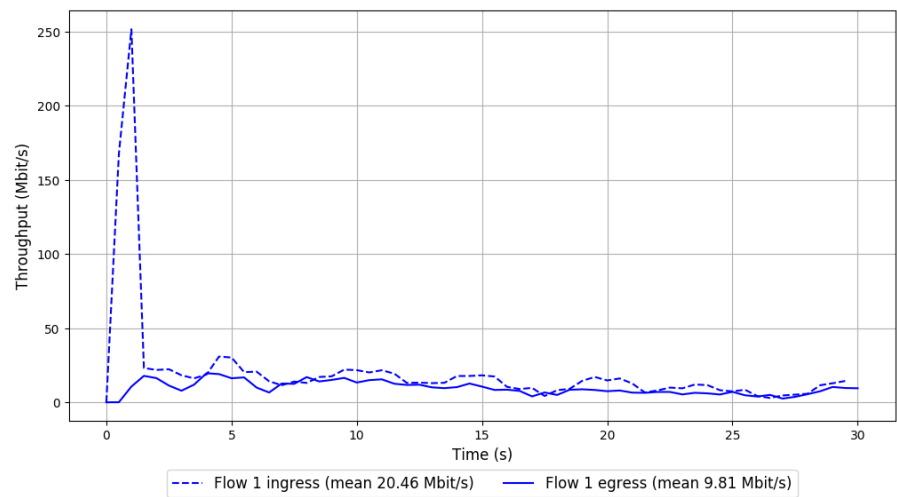


Run 6: Statistics of FillP

Start at: 2018-05-24 01:49:49
End at: 2018-05-24 01:50:19
Local clock offset: -4.774 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-24 03:23:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 1082.413 ms
Loss rate: 52.29%
-- Flow 1:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 1082.413 ms
Loss rate: 52.29%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-24 02:10:43

End at: 2018-05-24 02:11:13

Local clock offset: -2.282 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-05-24 03:23:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.47 Mbit/s

95th percentile per-packet one-way delay: 772.031 ms

Loss rate: 34.08%

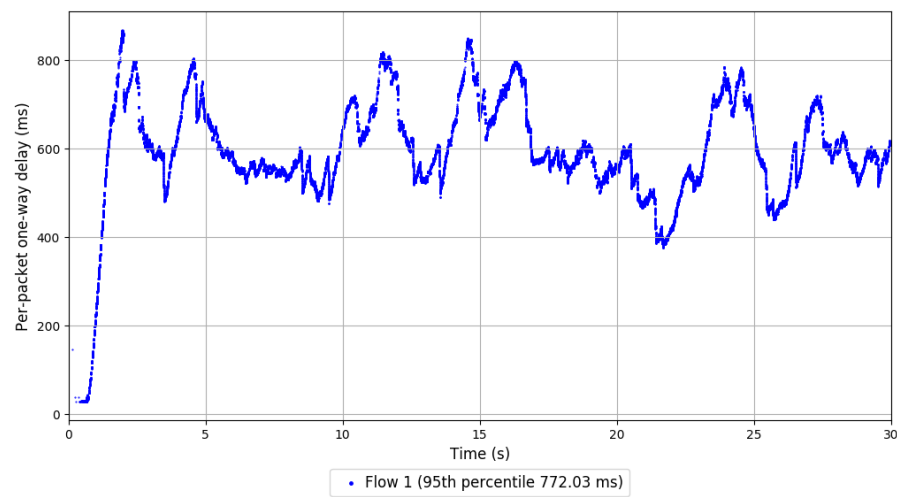
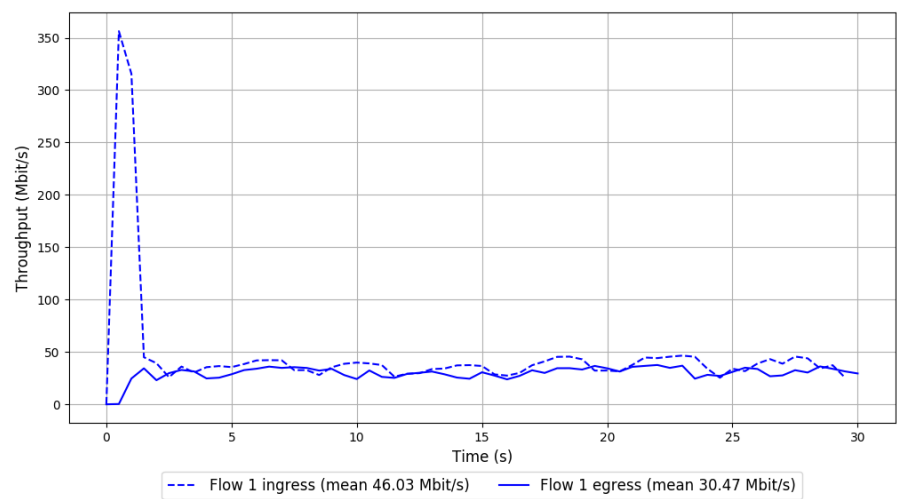
-- Flow 1:

Average throughput: 30.47 Mbit/s

95th percentile per-packet one-way delay: 772.031 ms

Loss rate: 34.08%

Run 7: Report of FillP — Data Link

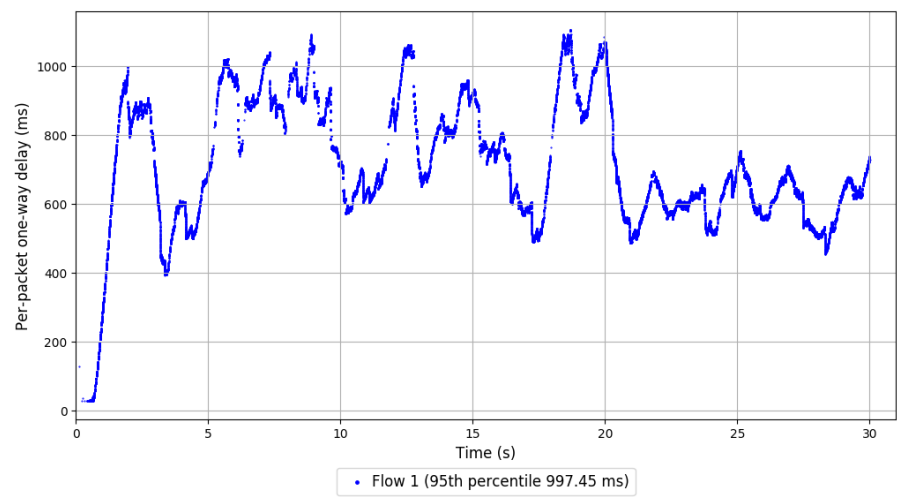
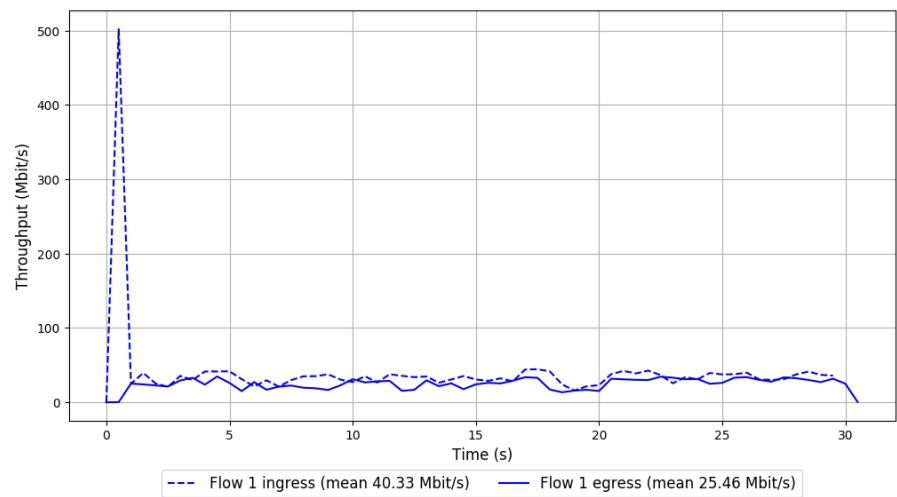


Run 8: Statistics of FillP

Start at: 2018-05-24 02:31:38
End at: 2018-05-24 02:32:08
Local clock offset: -2.262 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-05-24 03:23:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 997.451 ms
Loss rate: 37.12%
-- Flow 1:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 997.451 ms
Loss rate: 37.12%

Run 8: Report of FillP — Data Link

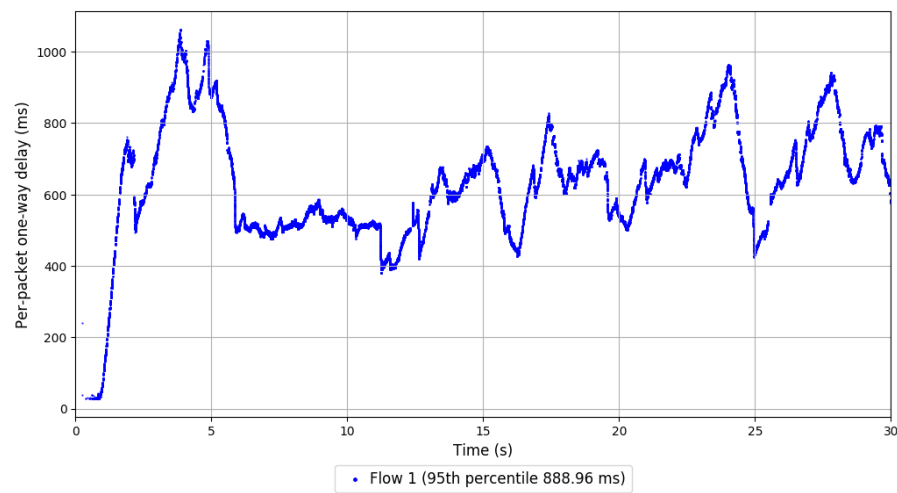
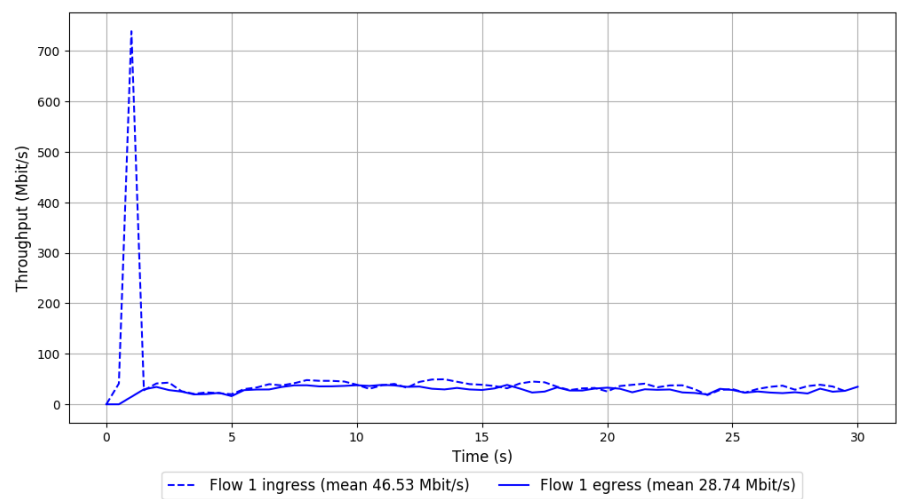


Run 9: Statistics of FillP

Start at: 2018-05-24 02:52:33
End at: 2018-05-24 02:53:03
Local clock offset: -0.938 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-24 03:23:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.74 Mbit/s
95th percentile per-packet one-way delay: 888.959 ms
Loss rate: 38.69%
-- Flow 1:
Average throughput: 28.74 Mbit/s
95th percentile per-packet one-way delay: 888.959 ms
Loss rate: 38.69%

Run 9: Report of FillP — Data Link

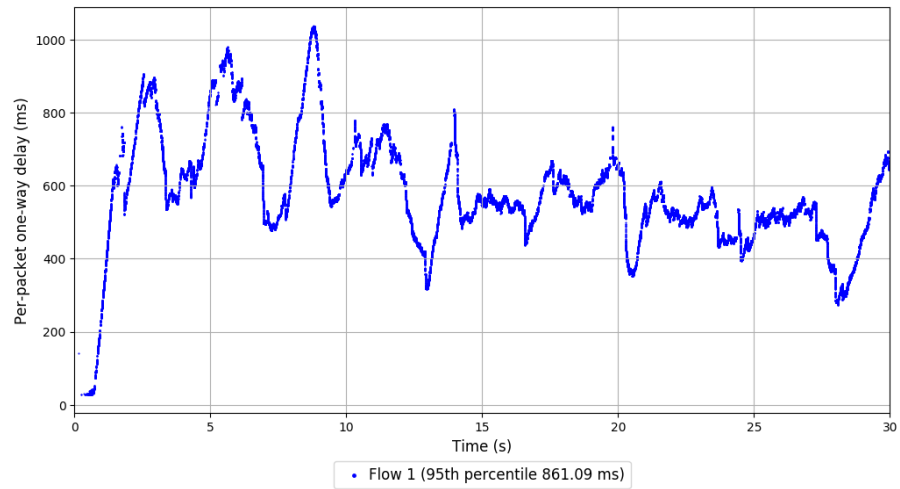
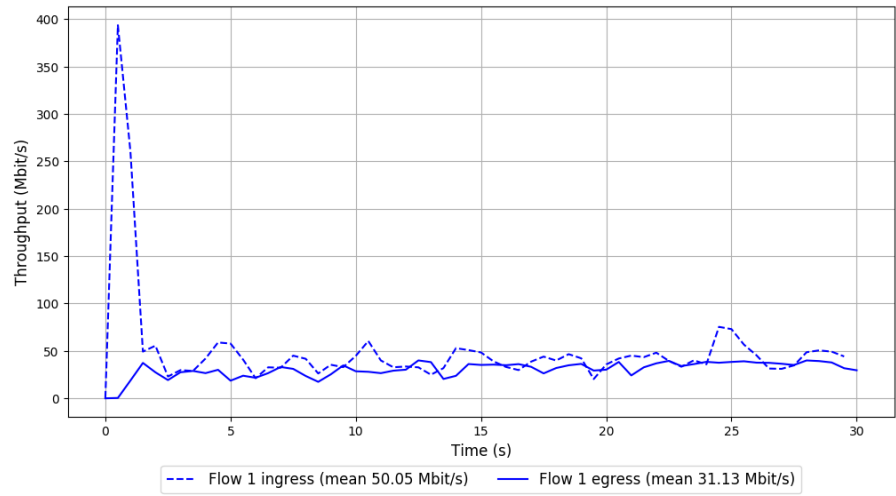


Run 10: Statistics of FillP

Start at: 2018-05-24 03:13:31
End at: 2018-05-24 03:14:01
Local clock offset: -0.144 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-24 03:23:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 861.093 ms
Loss rate: 38.07%
-- Flow 1:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 861.093 ms
Loss rate: 38.07%

Run 10: Report of FillP — Data Link

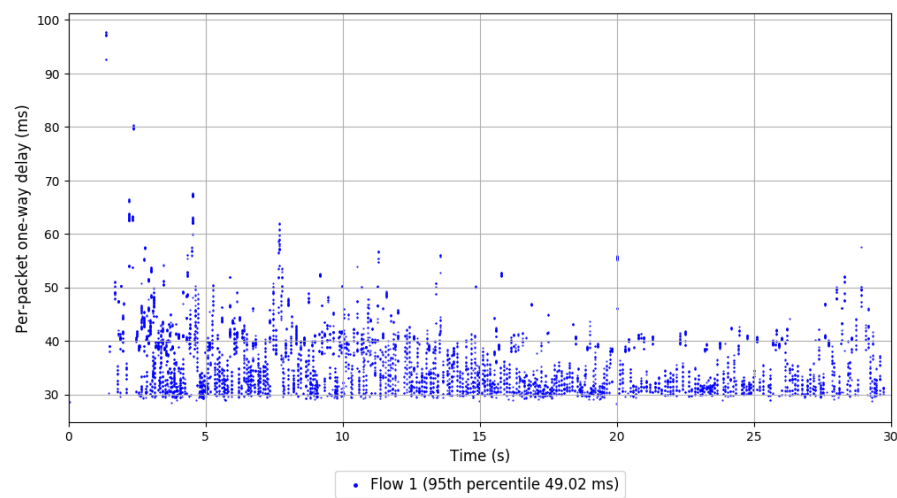
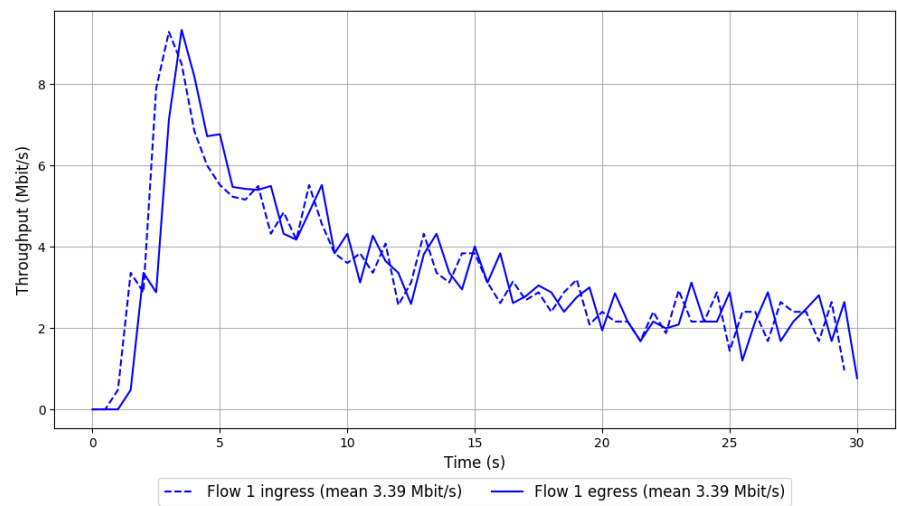


```
Run 1: Statistics of Indigo

Start at: 2018-05-24 00:01:21
End at: 2018-05-24 00:01:51
Local clock offset: -18.699 ms
Remote clock offset: 0.376 ms

# Below is generated by plot.py at 2018-05-24 03:23:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 49.016 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 49.016 ms
Loss rate: 0.10%
```


Run 1: Report of Indigo — Data Link

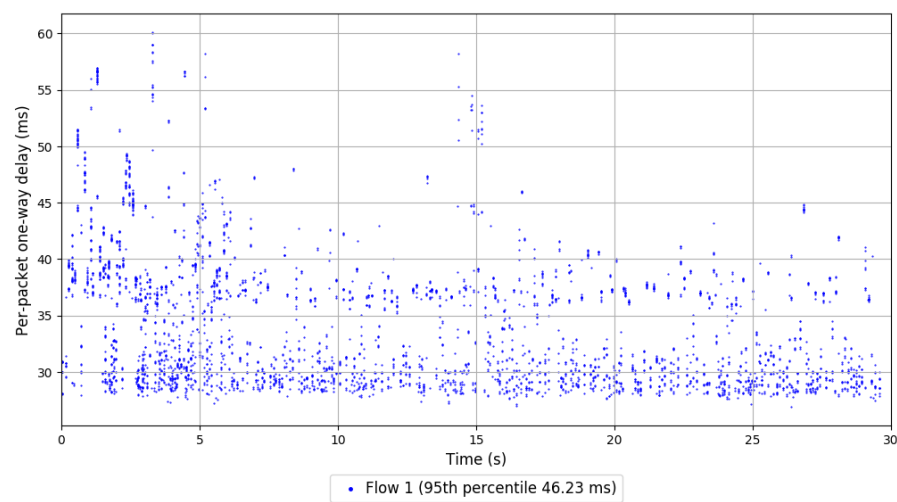
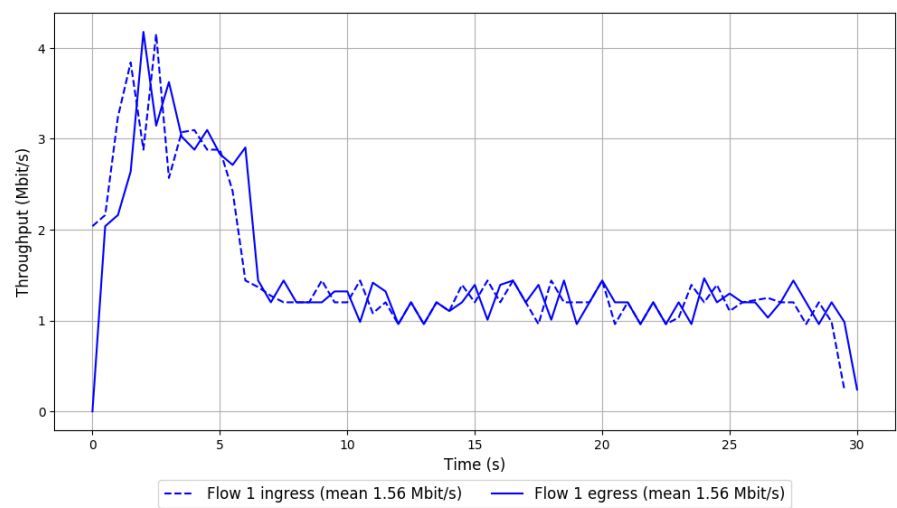


Run 2: Statistics of Indigo

Start at: 2018-05-24 00:22:12
End at: 2018-05-24 00:22:42
Local clock offset: -32.077 ms
Remote clock offset: 0.511 ms

Below is generated by plot.py at 2018-05-24 03:23:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 46.234 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 46.234 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

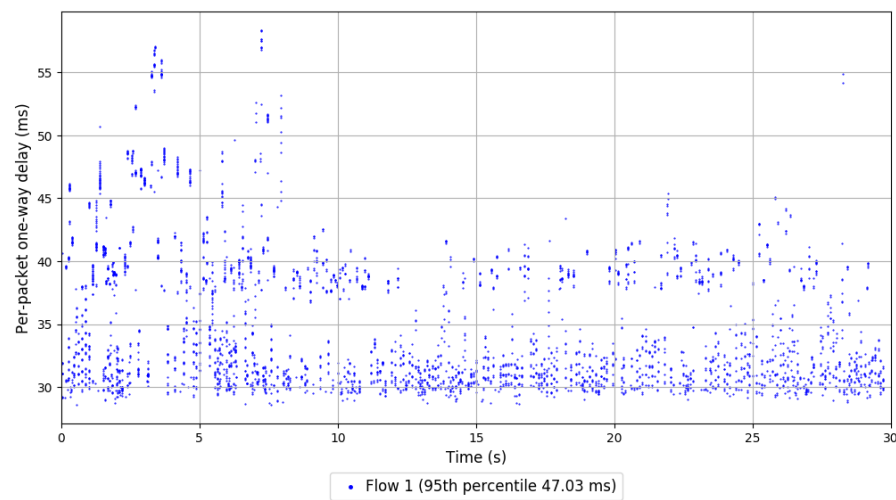
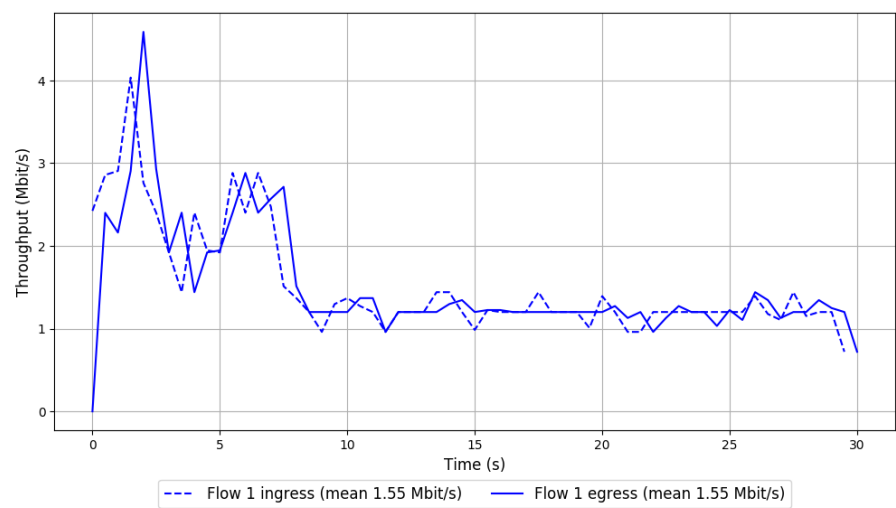


Run 3: Statistics of Indigo

Start at: 2018-05-24 00:43:11
End at: 2018-05-24 00:43:41
Local clock offset: -18.087 ms
Remote clock offset: 0.539 ms

Below is generated by plot.py at 2018-05-24 03:23:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 47.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 47.035 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

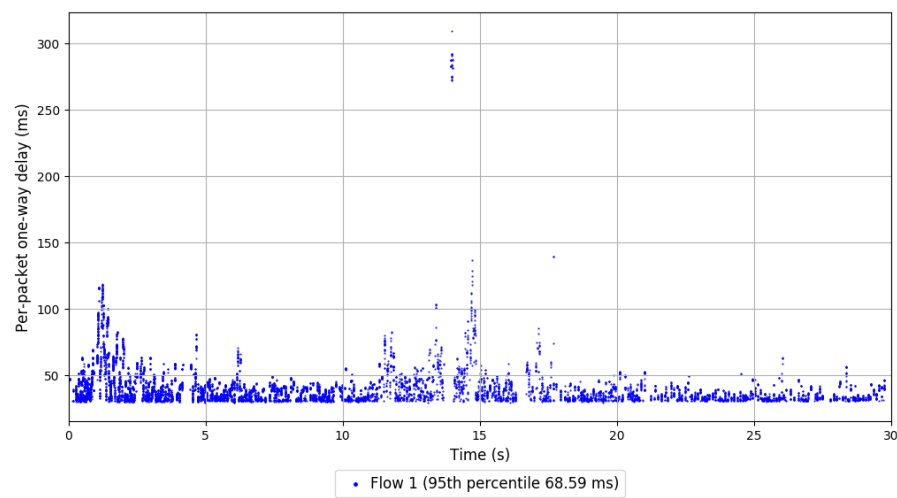
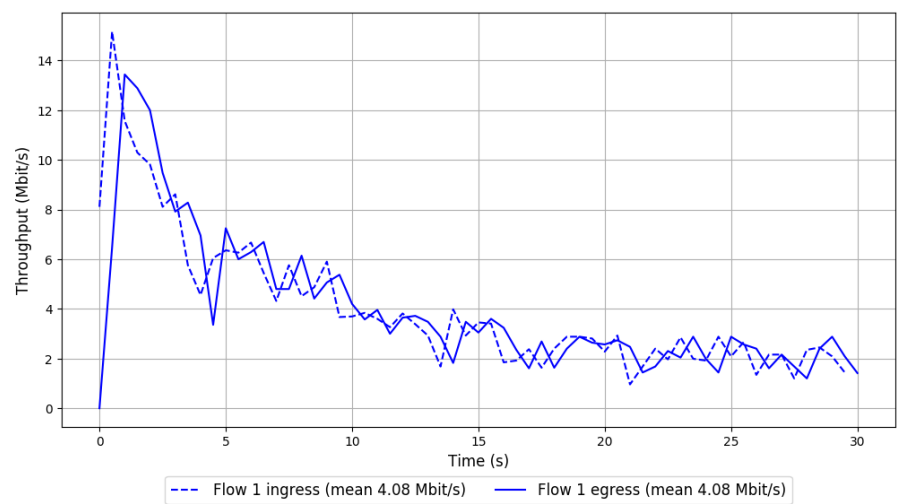


Run 4: Statistics of Indigo

Start at: 2018-05-24 01:04:10
End at: 2018-05-24 01:04:40
Local clock offset: -14.919 ms
Remote clock offset: 0.372 ms

Below is generated by plot.py at 2018-05-24 03:23:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 68.595 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 68.595 ms
Loss rate: 0.02%

Run 4: Report of Indigo — Data Link

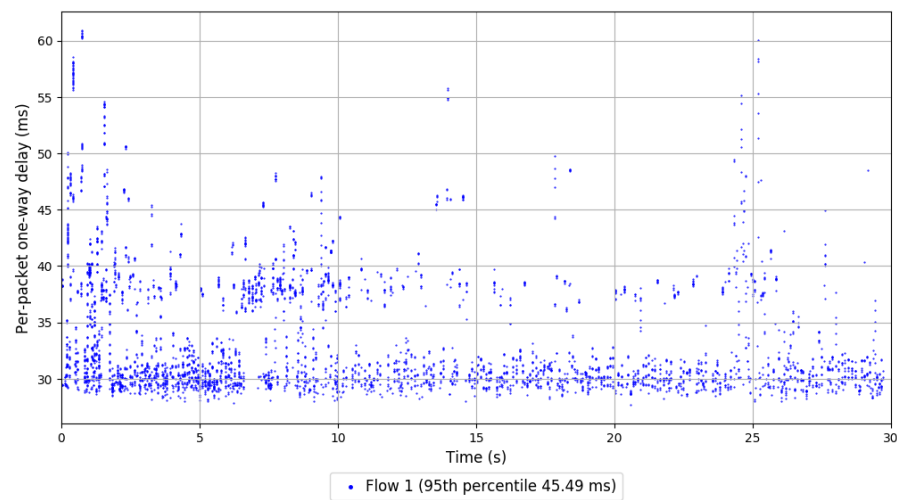
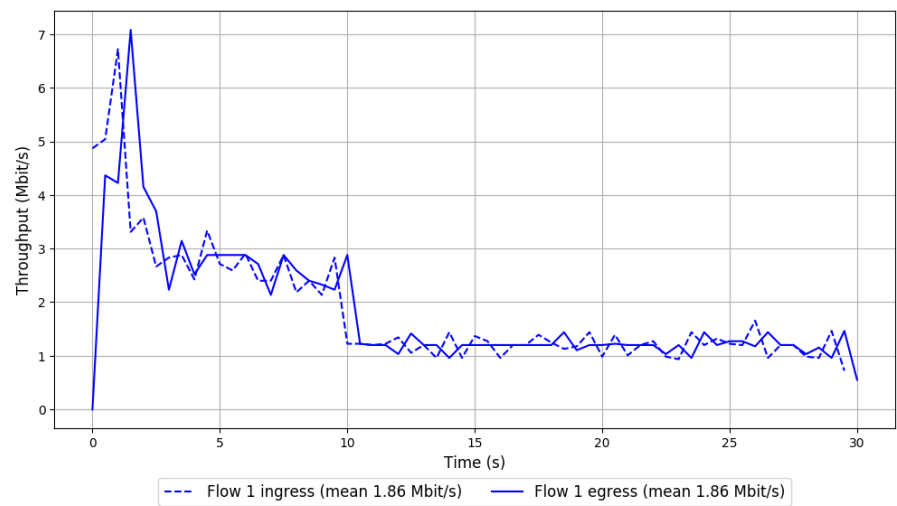


Run 5: Statistics of Indigo

Start at: 2018-05-24 01:25:02
End at: 2018-05-24 01:25:32
Local clock offset: -11.079 ms
Remote clock offset: 0.165 ms

Below is generated by plot.py at 2018-05-24 03:23:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 45.491 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 45.491 ms
Loss rate: 0.15%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-24 01:45:55

End at: 2018-05-24 01:46:25

Local clock offset: -4.609 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-05-24 03:23:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 43.904 ms

Loss rate: 0.00%

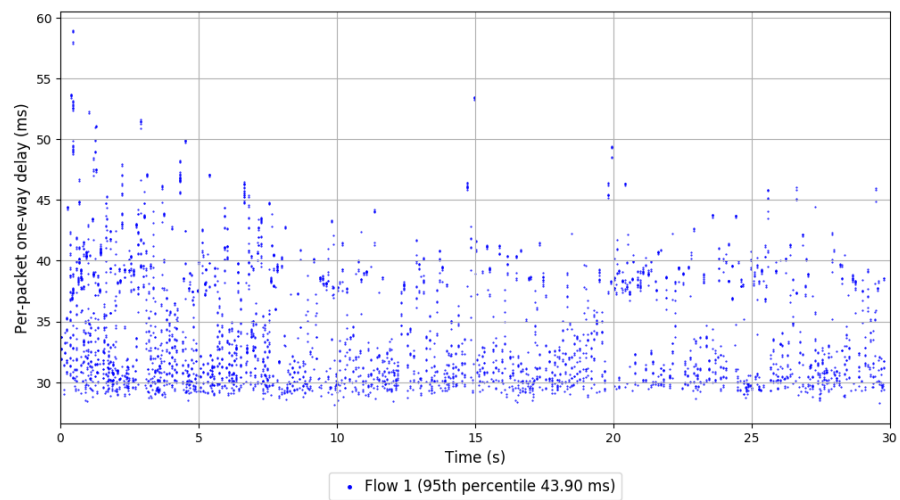
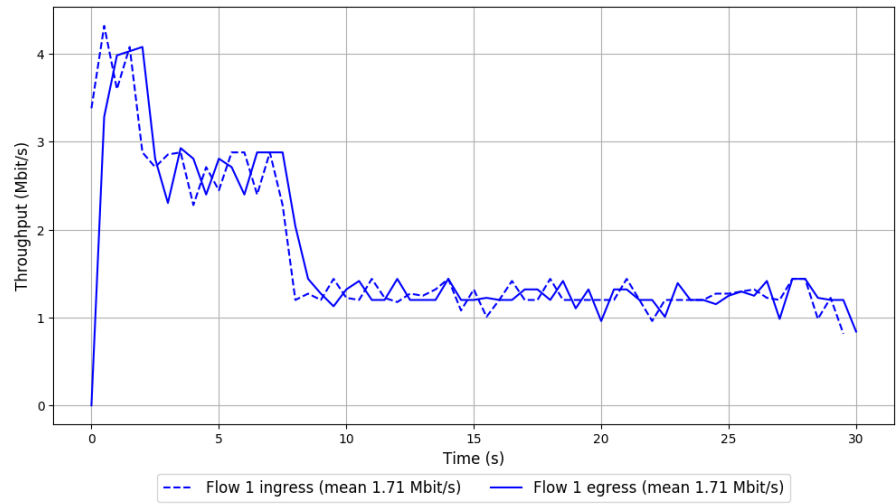
-- Flow 1:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 43.904 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-24 02:06:47

End at: 2018-05-24 02:07:18

Local clock offset: -2.912 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-05-24 03:23:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 45.940 ms

Loss rate: 0.00%

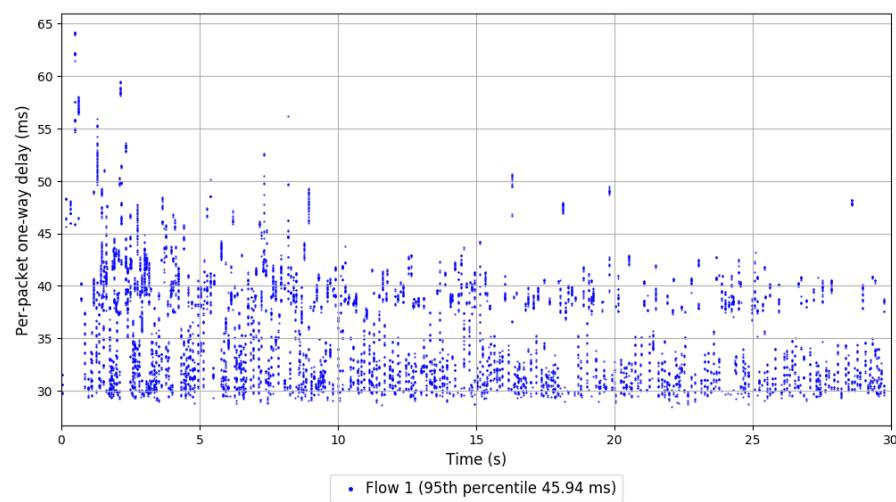
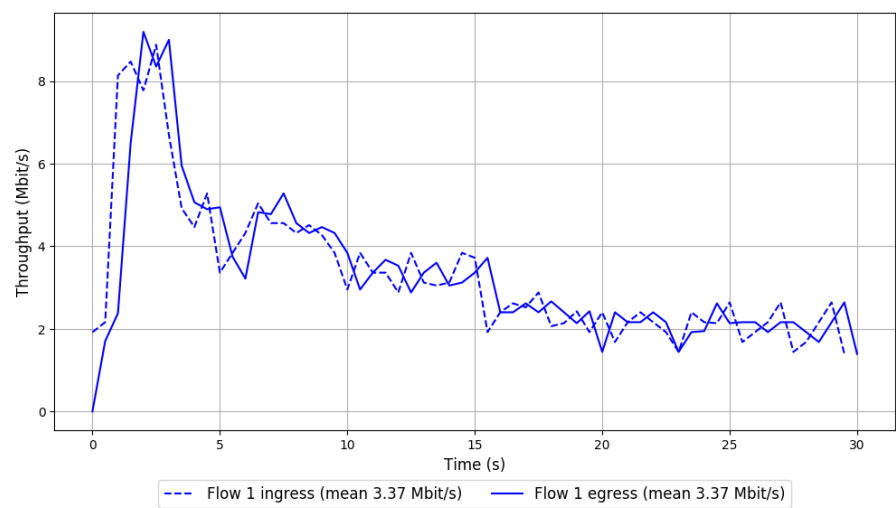
-- Flow 1:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 45.940 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

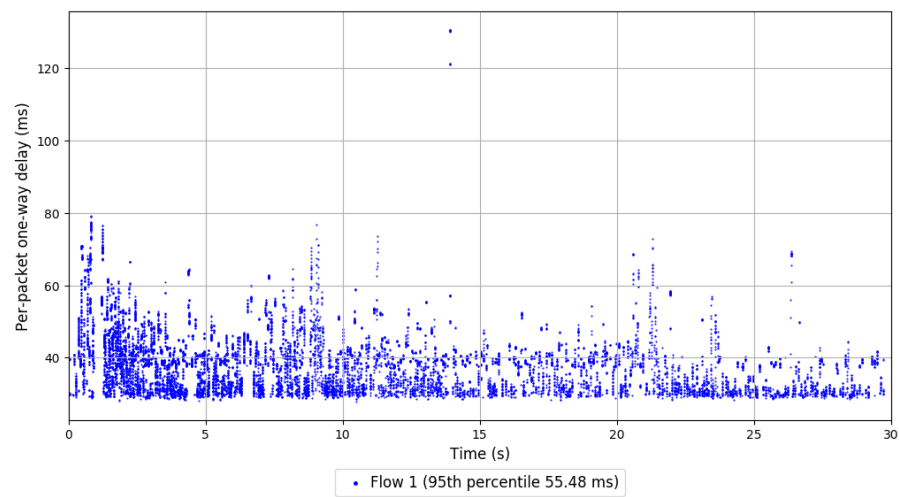
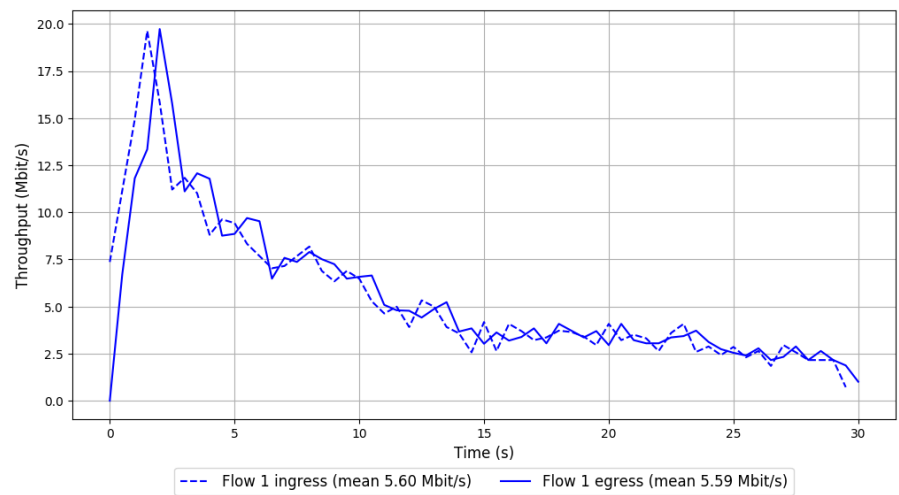


Run 8: Statistics of Indigo

Start at: 2018-05-24 02:27:43
End at: 2018-05-24 02:28:13
Local clock offset: -2.804 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-24 03:23:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 55.477 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 55.477 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

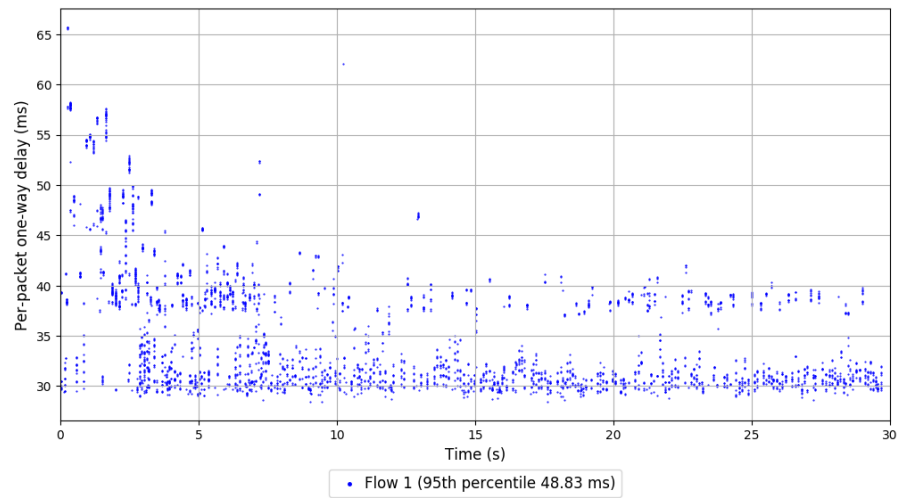
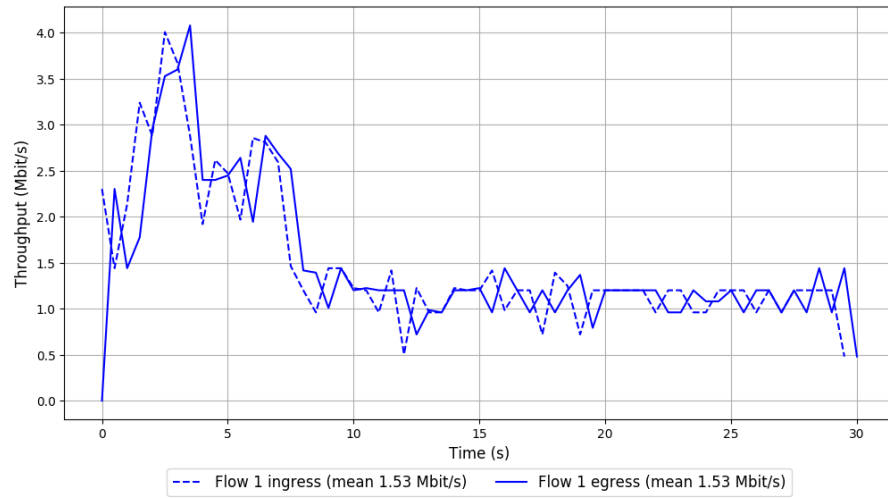


Run 9: Statistics of Indigo

Start at: 2018-05-24 02:48:37
End at: 2018-05-24 02:49:07
Local clock offset: -0.823 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-24 03:23:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 48.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 48.829 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

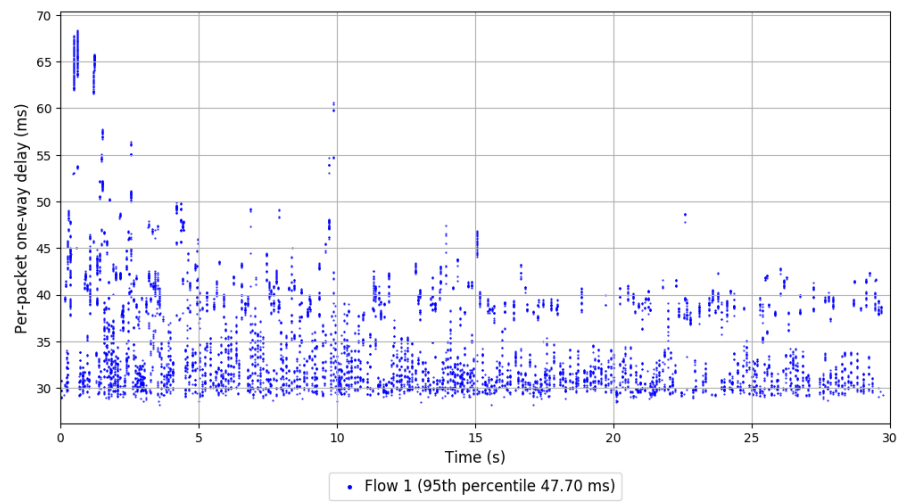
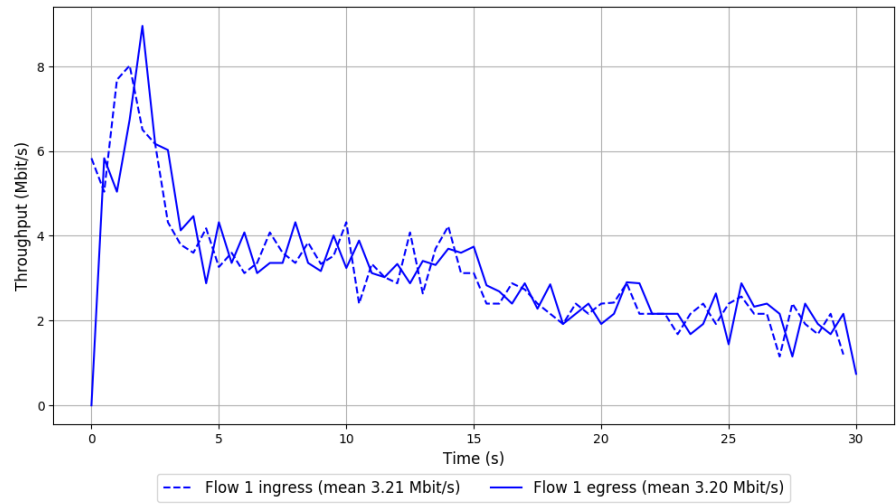


Run 10: Statistics of Indigo

Start at: 2018-05-24 03:09:35
End at: 2018-05-24 03:10:05
Local clock offset: -0.189 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-05-24 03:23:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 47.703 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 47.703 ms
Loss rate: 0.24%

Run 10: Report of Indigo — Data Link

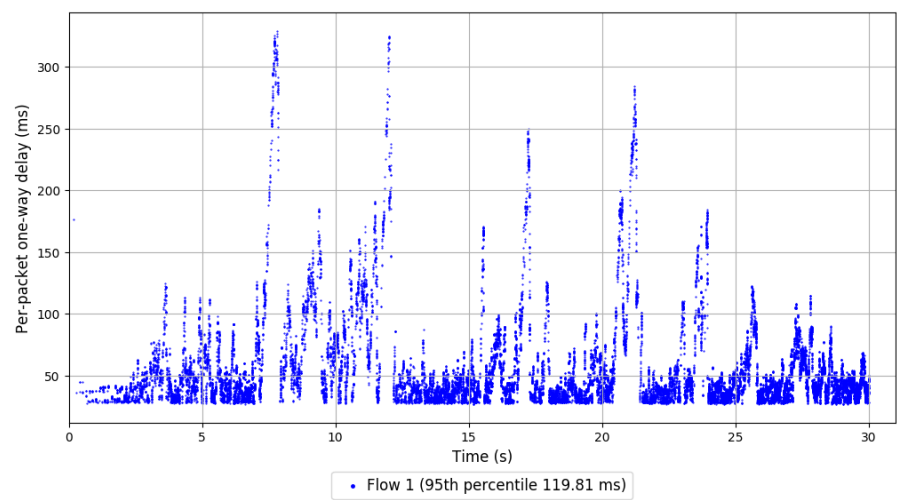
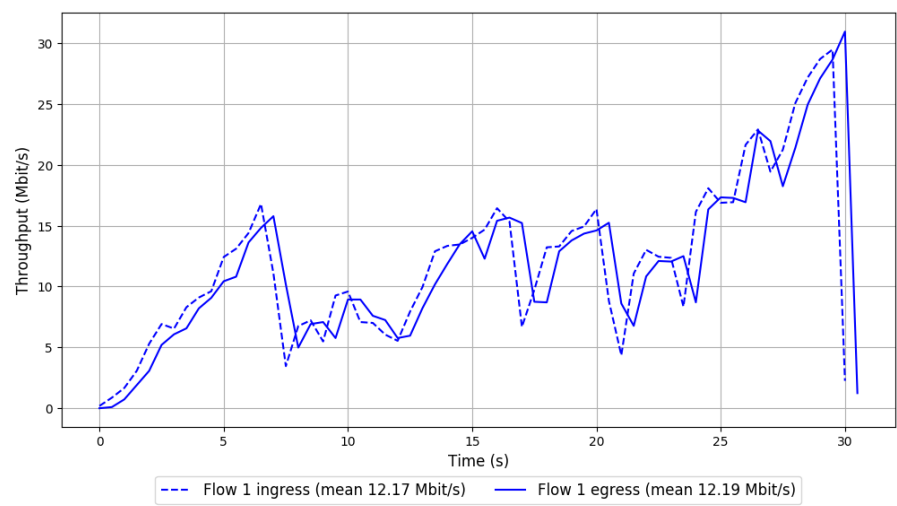


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-23 23:54:50
End at: 2018-05-23 23:55:20
Local clock offset: -14.705 ms
Remote clock offset: 0.403 ms

# Below is generated by plot.py at 2018-05-24 03:23:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 119.810 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 119.810 ms
Loss rate: 0.32%
```

Run 1: Report of LEDBAT — Data Link

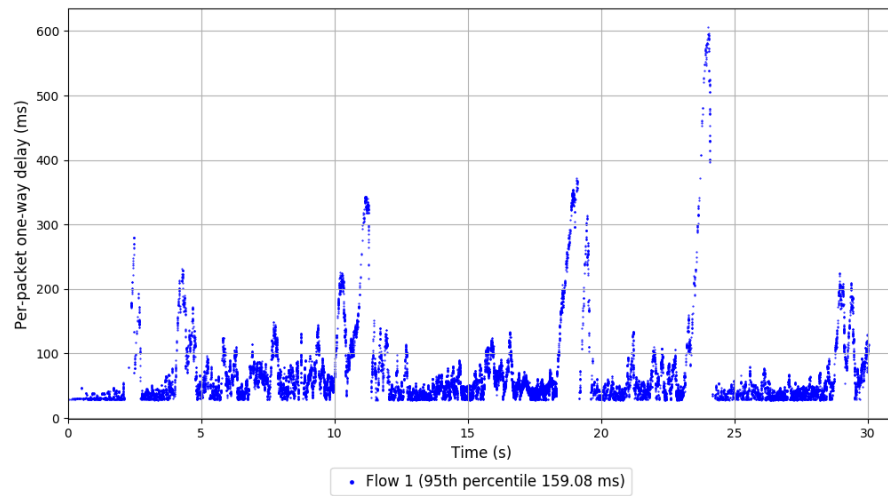
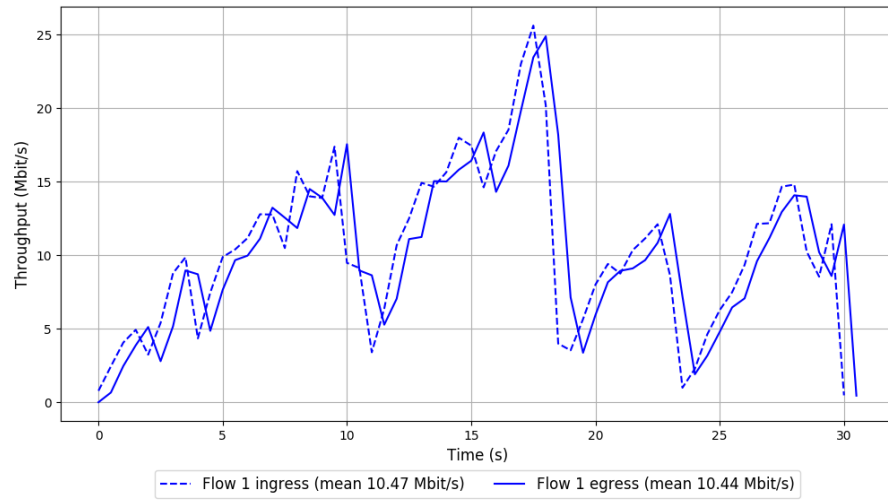


Run 2: Statistics of LEDBAT

Start at: 2018-05-24 00:15:42
End at: 2018-05-24 00:16:12
Local clock offset: -24.835 ms
Remote clock offset: 0.458 ms

Below is generated by plot.py at 2018-05-24 03:23:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.44 Mbit/s
95th percentile per-packet one-way delay: 159.084 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 10.44 Mbit/s
95th percentile per-packet one-way delay: 159.084 ms
Loss rate: 0.33%

Run 2: Report of LEDBAT — Data Link

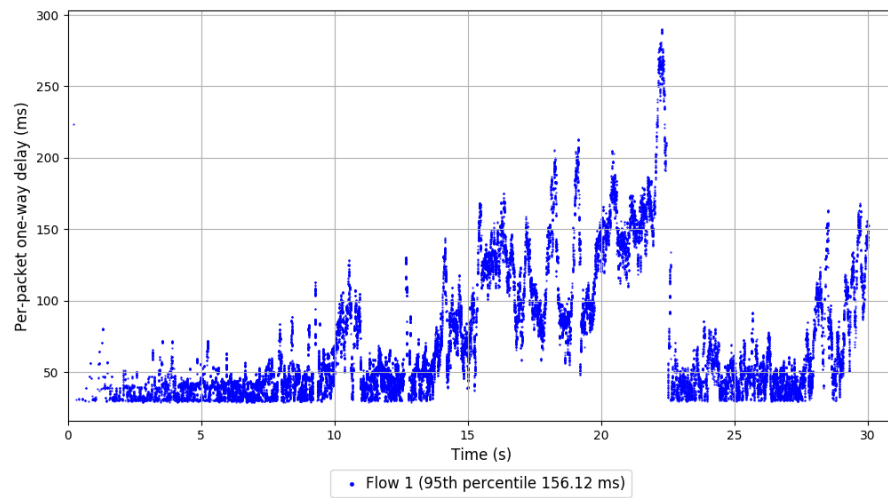
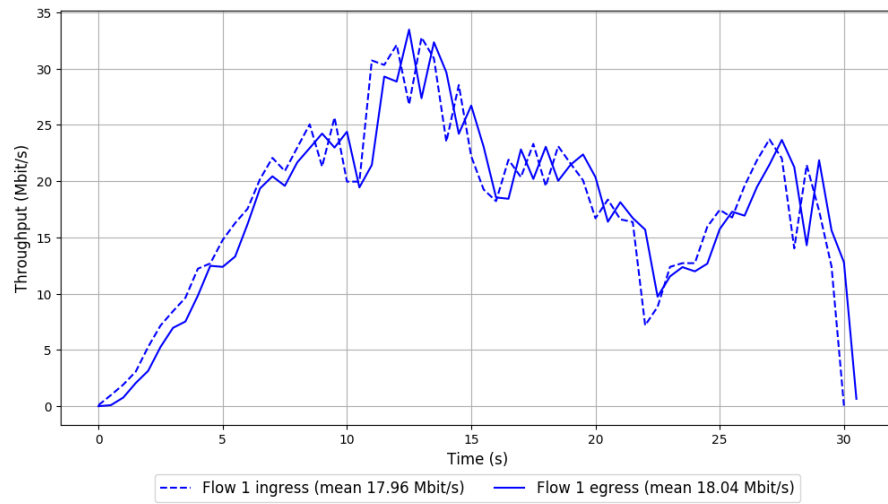


Run 3: Statistics of LEDBAT

Start at: 2018-05-24 00:36:39
End at: 2018-05-24 00:37:09
Local clock offset: -22.575 ms
Remote clock offset: 0.484 ms

Below is generated by plot.py at 2018-05-24 03:23:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.04 Mbit/s
95th percentile per-packet one-way delay: 156.116 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 18.04 Mbit/s
95th percentile per-packet one-way delay: 156.116 ms
Loss rate: 0.27%

Run 3: Report of LEDBAT — Data Link

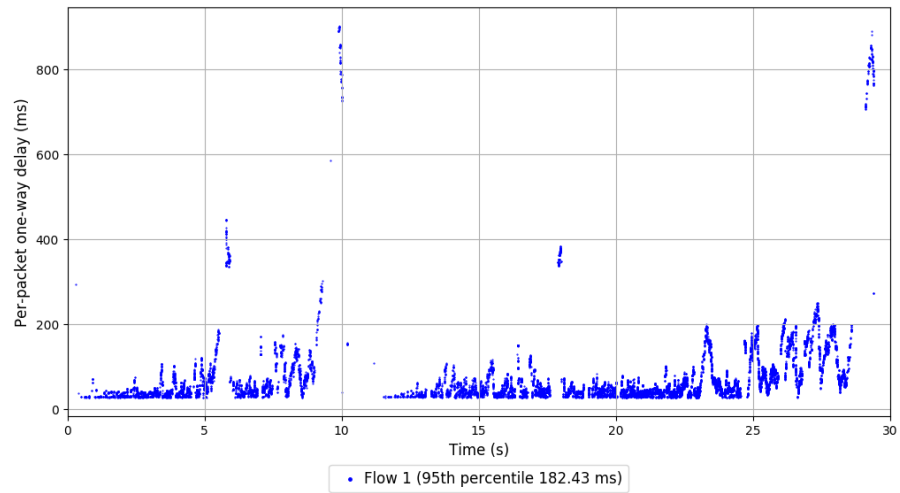
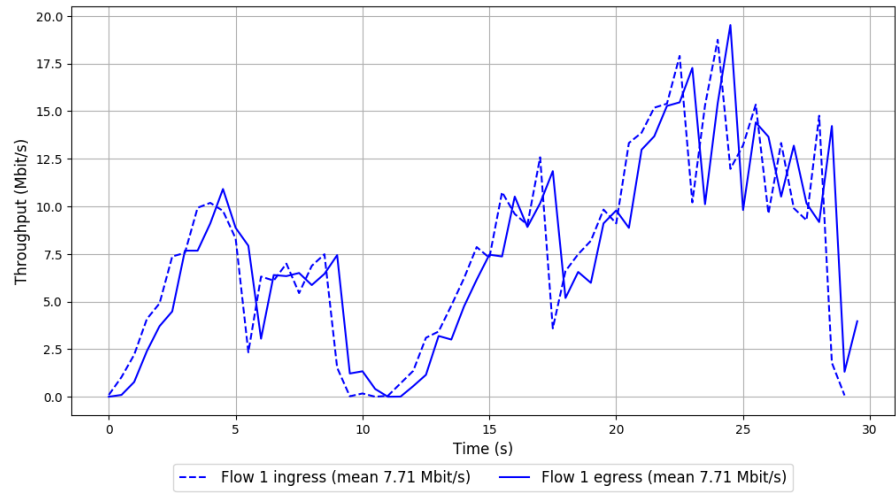


Run 4: Statistics of LEDBAT

Start at: 2018-05-24 00:57:39
End at: 2018-05-24 00:58:09
Local clock offset: -22.386 ms
Remote clock offset: 0.587 ms

Below is generated by plot.py at 2018-05-24 03:23:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 182.425 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 182.425 ms
Loss rate: 0.03%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-24 01:18:32

End at: 2018-05-24 01:19:02

Local clock offset: -9.749 ms

Remote clock offset: 0.17 ms

Below is generated by plot.py at 2018-05-24 03:23:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.55 Mbit/s

95th percentile per-packet one-way delay: 153.324 ms

Loss rate: 0.34%

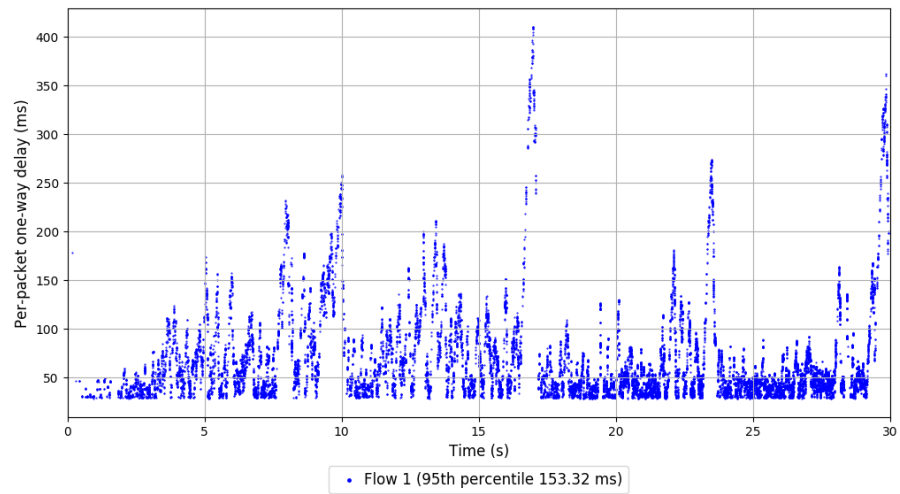
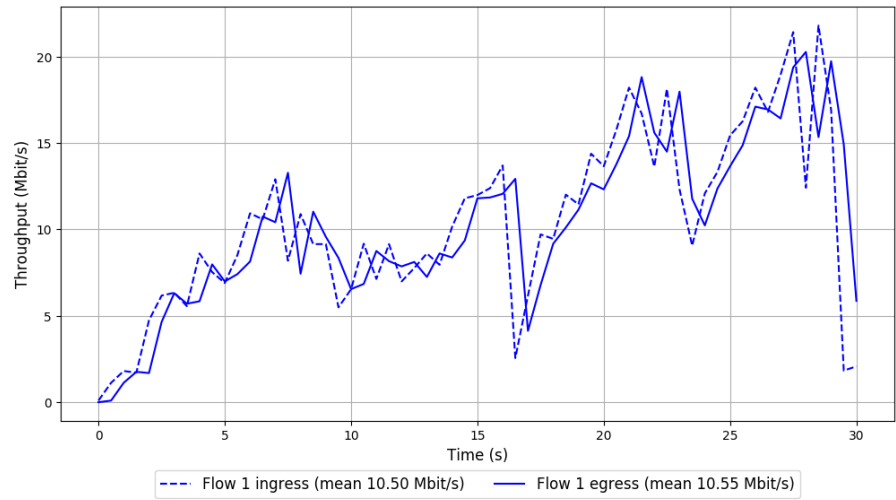
-- Flow 1:

Average throughput: 10.55 Mbit/s

95th percentile per-packet one-way delay: 153.324 ms

Loss rate: 0.34%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

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

End at: 2018-05-24 01:39:54

Local clock offset: -5.395 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-05-24 03:23:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.78 Mbit/s

95th percentile per-packet one-way delay: 169.524 ms

Loss rate: 0.16%

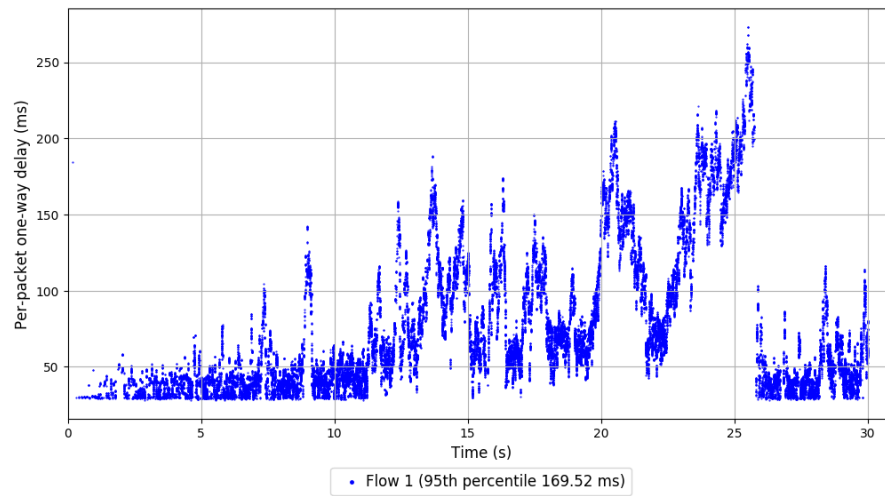
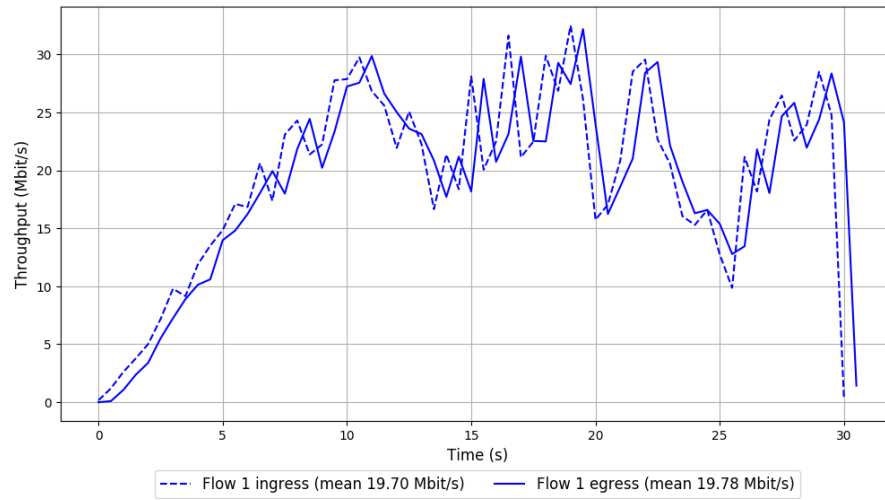
-- Flow 1:

Average throughput: 19.78 Mbit/s

95th percentile per-packet one-way delay: 169.524 ms

Loss rate: 0.16%

Run 6: Report of LEDBAT — Data Link

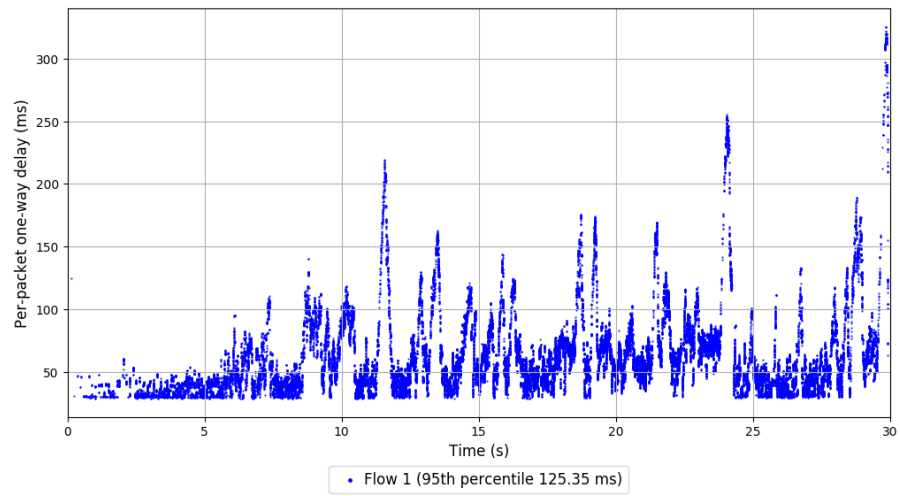
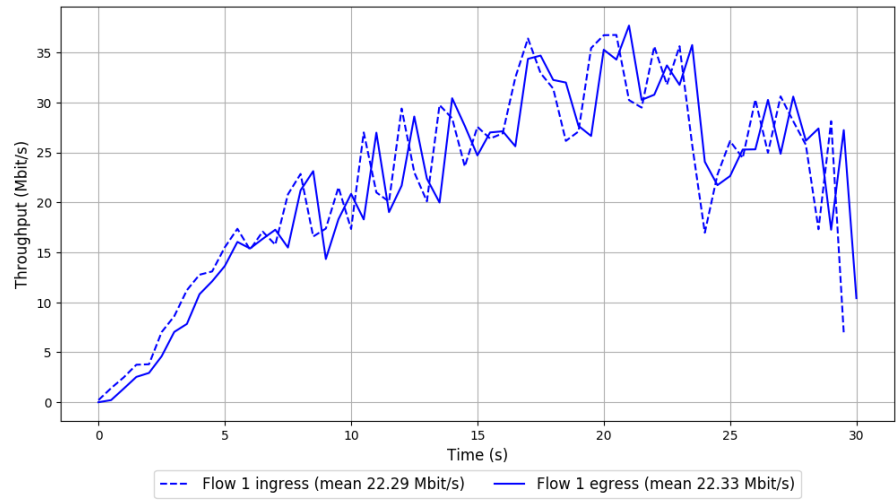


Run 7: Statistics of LEDBAT

Start at: 2018-05-24 02:00:16
End at: 2018-05-24 02:00:46
Local clock offset: -5.494 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-05-24 03:23:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.33 Mbit/s
95th percentile per-packet one-way delay: 125.354 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.33 Mbit/s
95th percentile per-packet one-way delay: 125.354 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-24 02:21:11

End at: 2018-05-24 02:21:41

Local clock offset: -2.236 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-05-24 03:23:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.60 Mbit/s

95th percentile per-packet one-way delay: 142.572 ms

Loss rate: 0.27%

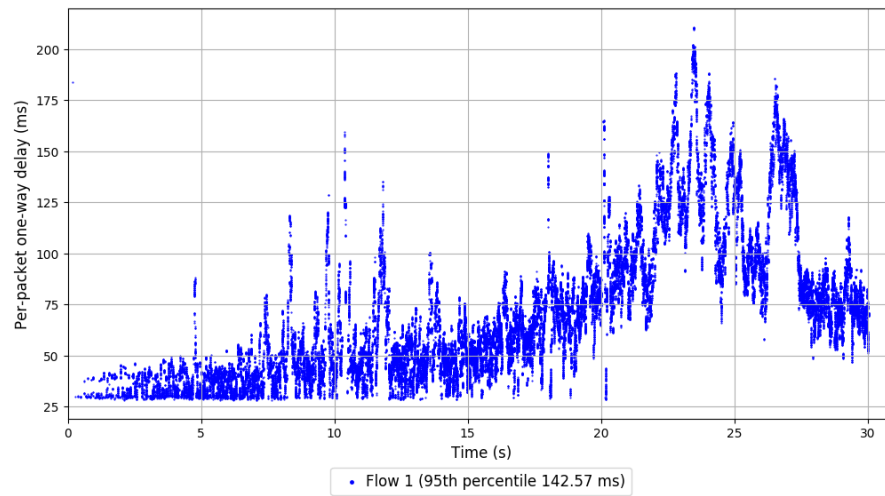
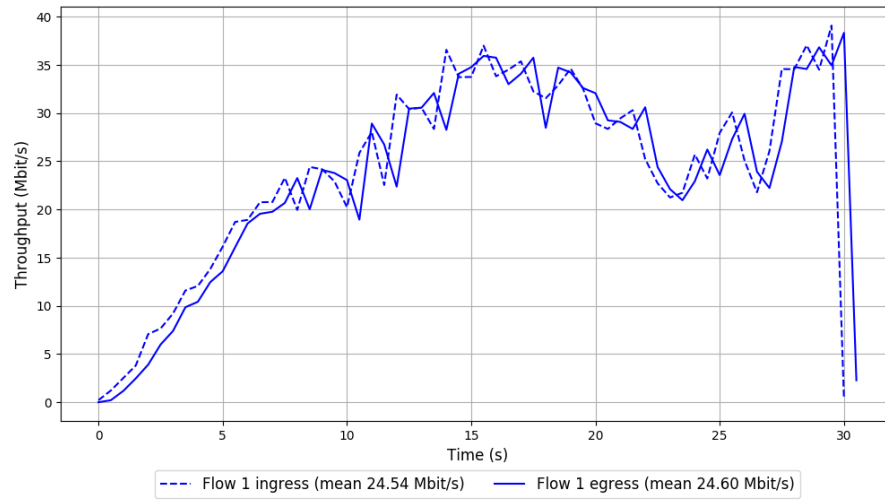
-- Flow 1:

Average throughput: 24.60 Mbit/s

95th percentile per-packet one-way delay: 142.572 ms

Loss rate: 0.27%

Run 8: Report of LEDBAT — Data Link

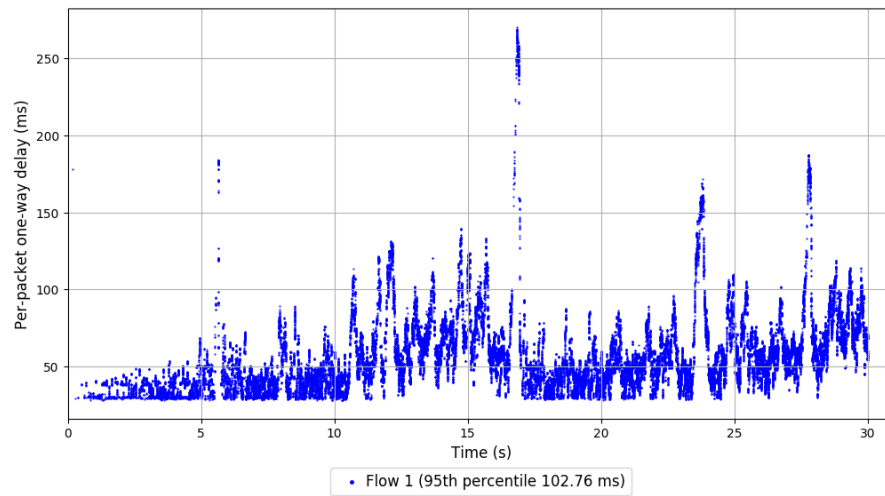
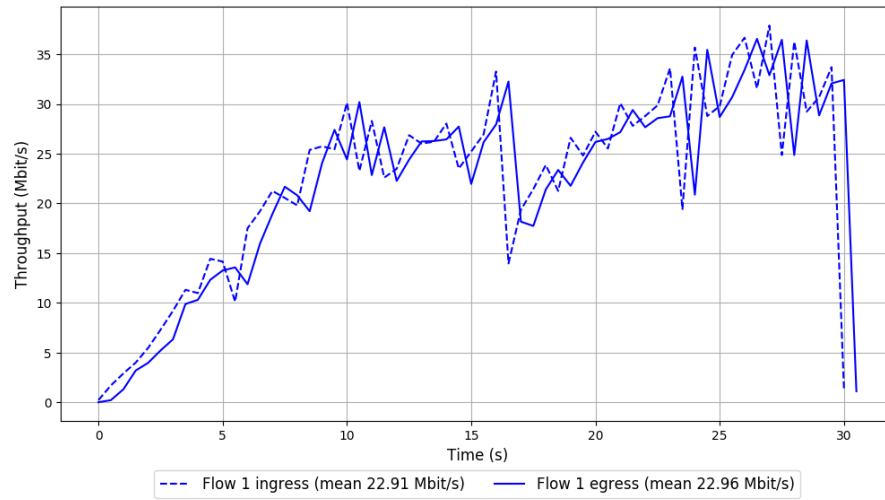


Run 9: Statistics of LEDBAT

Start at: 2018-05-24 02:42:05
End at: 2018-05-24 02:42:35
Local clock offset: -0.866 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-05-24 03:23:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.96 Mbit/s
95th percentile per-packet one-way delay: 102.759 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 22.96 Mbit/s
95th percentile per-packet one-way delay: 102.759 ms
Loss rate: 0.36%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

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

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

Local clock offset: -0.72 ms

Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-05-24 03:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.87 Mbit/s

95th percentile per-packet one-way delay: 157.622 ms

Loss rate: 0.43%

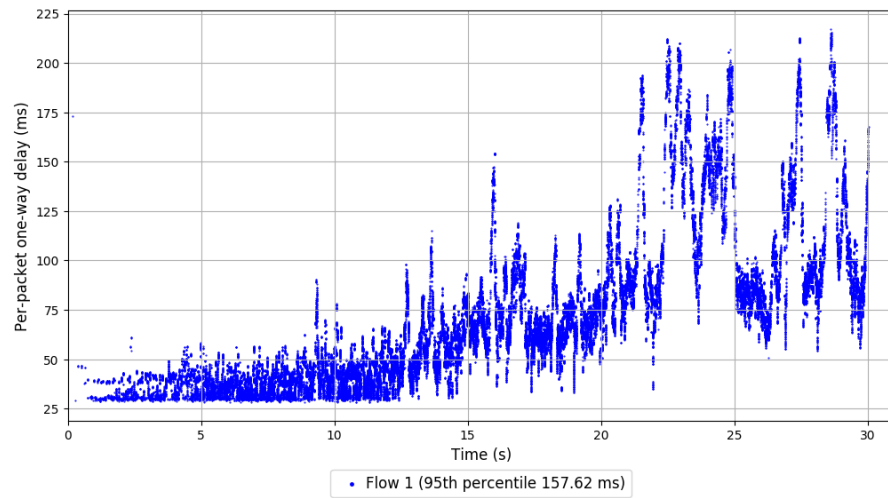
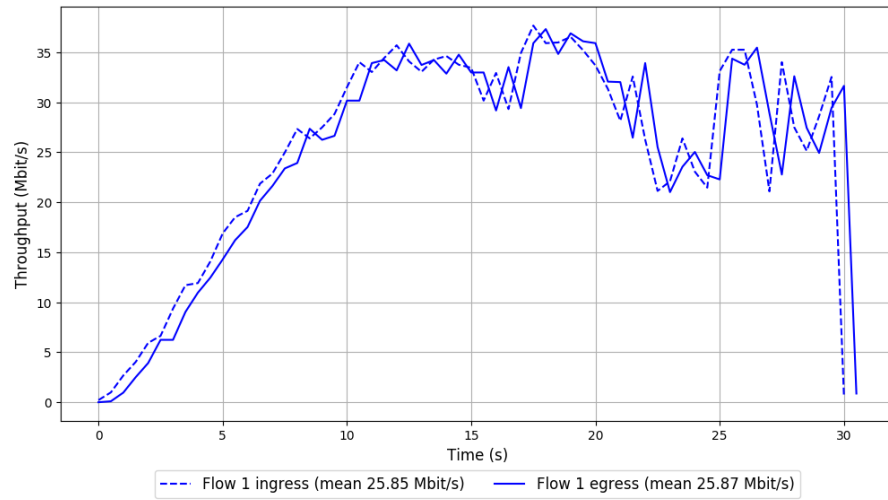
-- Flow 1:

Average throughput: 25.87 Mbit/s

95th percentile per-packet one-way delay: 157.622 ms

Loss rate: 0.43%

Run 10: Report of LEDBAT — Data Link

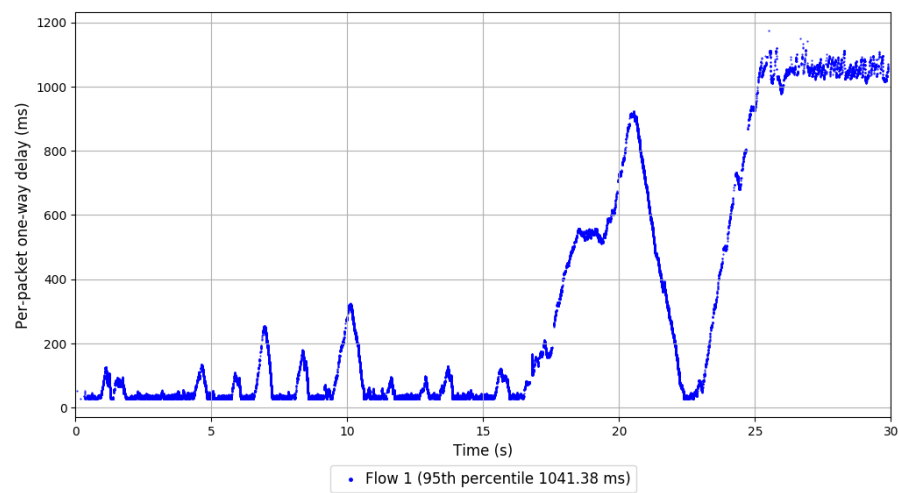
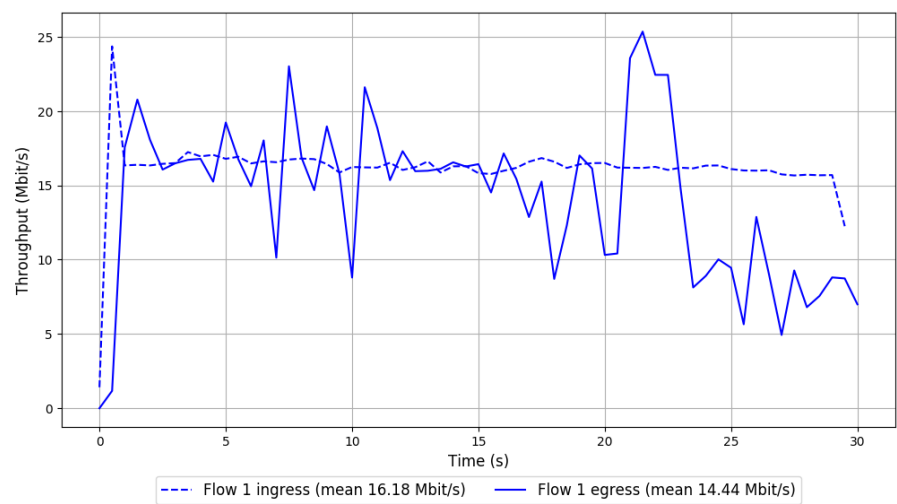


Run 1: Statistics of PCC-Allegro

Start at: 2018-05-24 00:11:48
End at: 2018-05-24 00:12:18
Local clock offset: -21.398 ms
Remote clock offset: 0.484 ms

Below is generated by plot.py at 2018-05-24 03:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.44 Mbit/s
95th percentile per-packet one-way delay: 1041.380 ms
Loss rate: 10.87%
-- Flow 1:
Average throughput: 14.44 Mbit/s
95th percentile per-packet one-way delay: 1041.380 ms
Loss rate: 10.87%

Run 1: Report of PCC-Allegro — Data Link

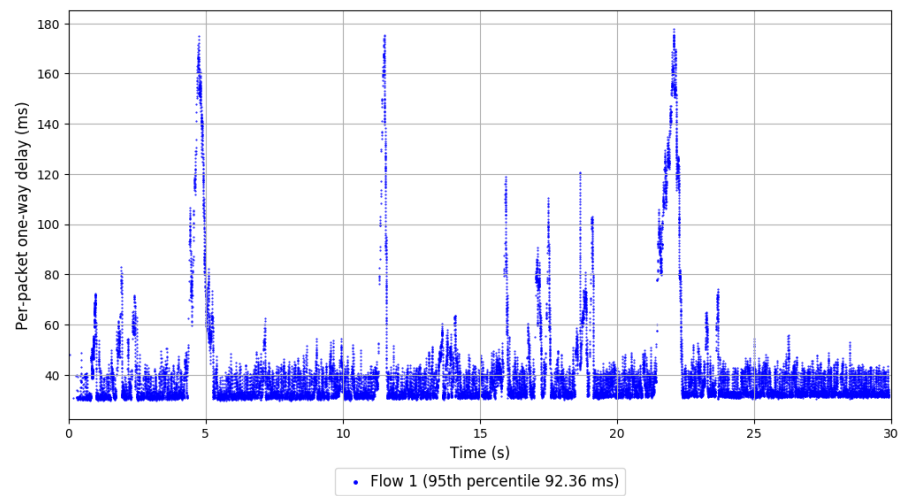
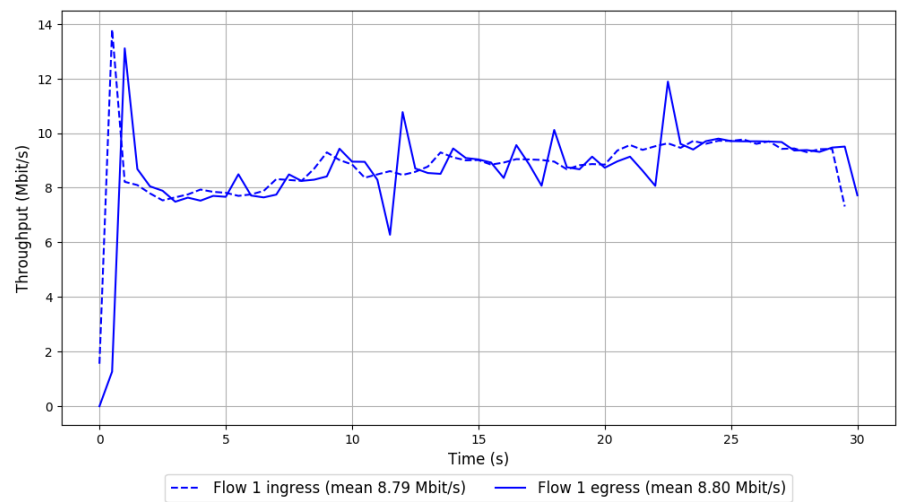


Run 2: Statistics of PCC-Allegro

Start at: 2018-05-24 00:32:45
End at: 2018-05-24 00:33:15
Local clock offset: -30.269 ms
Remote clock offset: 0.543 ms

Below is generated by plot.py at 2018-05-24 03:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.80 Mbit/s
95th percentile per-packet one-way delay: 92.358 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 8.80 Mbit/s
95th percentile per-packet one-way delay: 92.358 ms
Loss rate: 0.04%

Run 2: Report of PCC-Allegro — Data Link

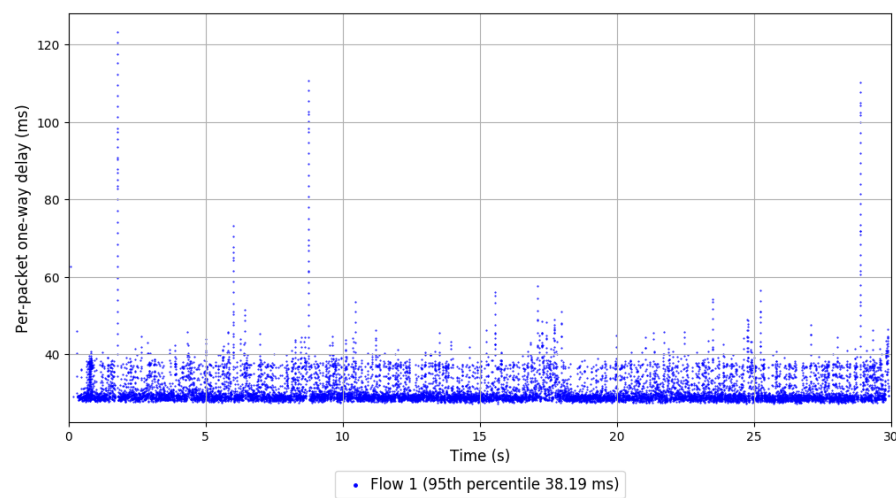
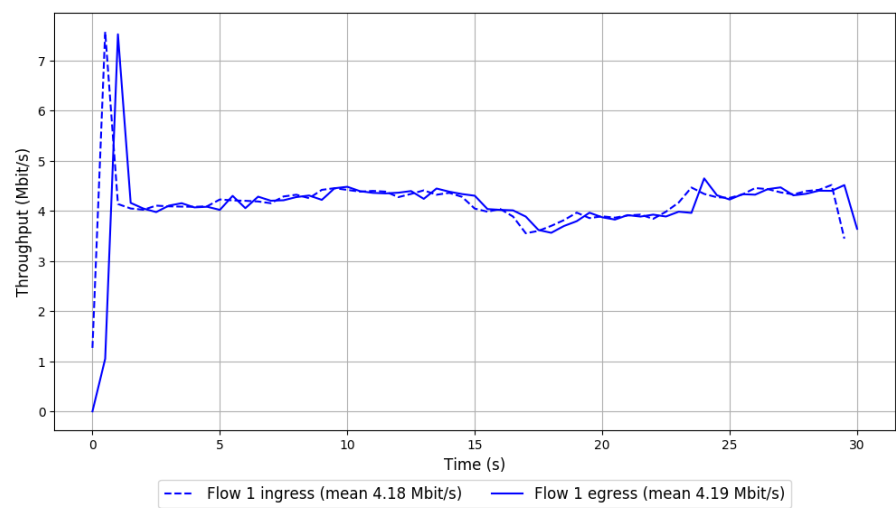


Run 3: Statistics of PCC-Allegro

Start at: 2018-05-24 00:53:44
End at: 2018-05-24 00:54:14
Local clock offset: -20.141 ms
Remote clock offset: 0.643 ms

Below is generated by plot.py at 2018-05-24 03:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 38.186 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 38.186 ms
Loss rate: 0.04%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-24 01:14:37

End at: 2018-05-24 01:15:07

Local clock offset: -9.635 ms

Remote clock offset: 0.23 ms

Below is generated by plot.py at 2018-05-24 03:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 39.018 ms

Loss rate: 0.03%

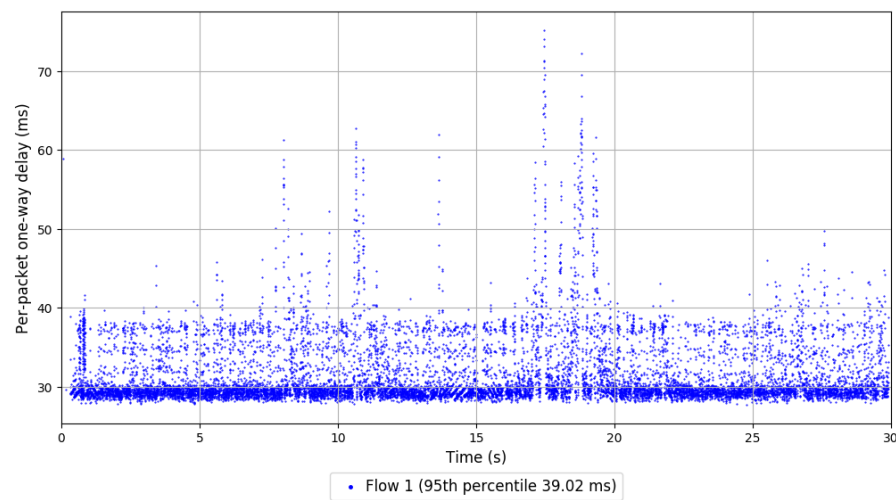
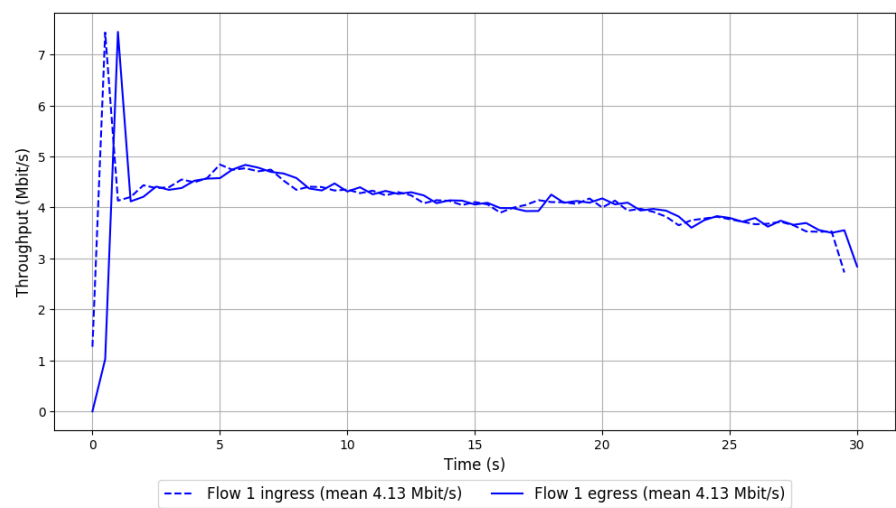
-- Flow 1:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 39.018 ms

Loss rate: 0.03%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-24 01:35:30

End at: 2018-05-24 01:36:00

Local clock offset: -7.001 ms

Remote clock offset: 0.15 ms

Below is generated by plot.py at 2018-05-24 03:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 38.279 ms

Loss rate: 0.06%

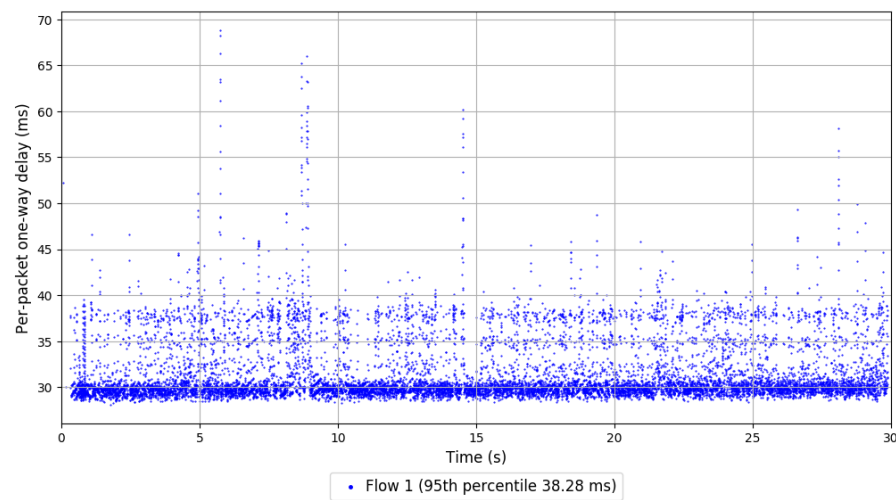
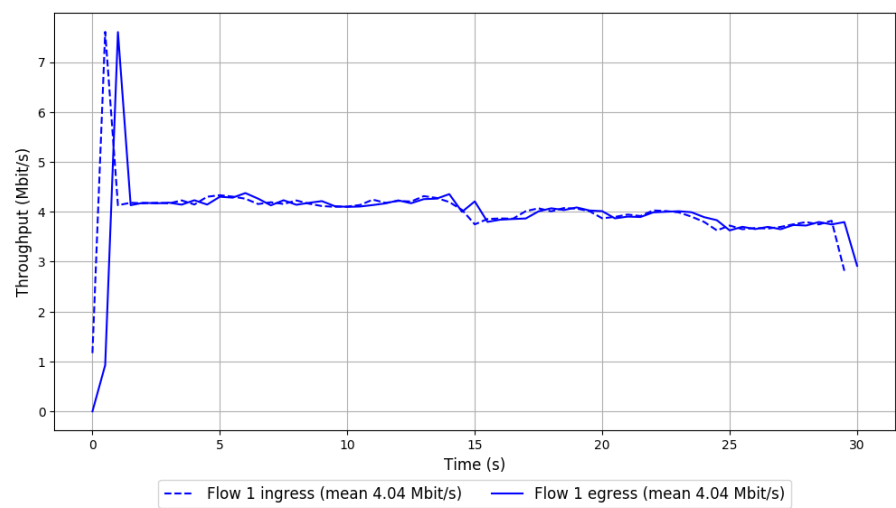
-- Flow 1:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 38.279 ms

Loss rate: 0.06%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-24 01:56:22

End at: 2018-05-24 01:56:52

Local clock offset: -5.61 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-05-24 03:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 37.164 ms

Loss rate: 0.02%

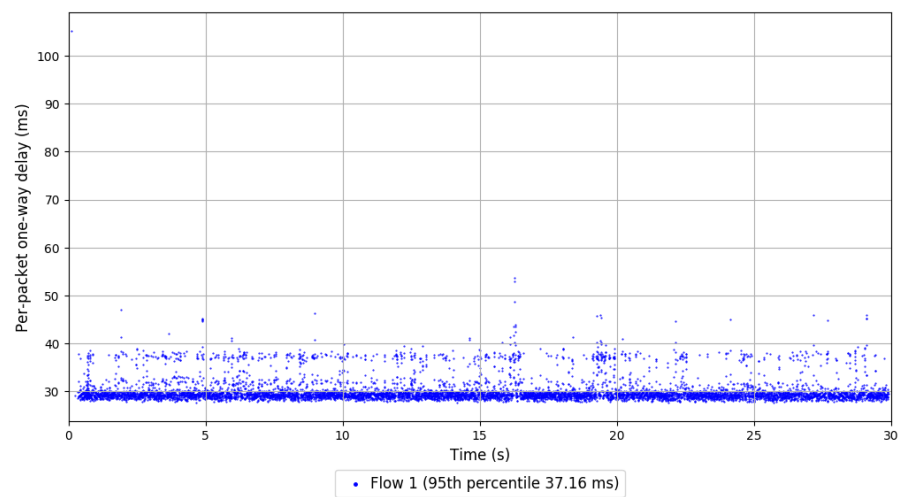
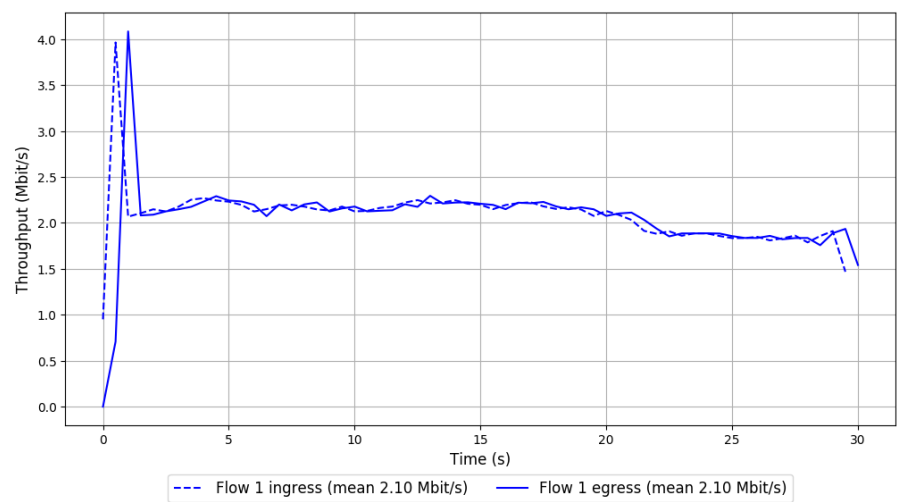
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 37.164 ms

Loss rate: 0.02%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-24 02:17:18

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

Local clock offset: -2.162 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-05-24 03:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 37.142 ms

Loss rate: 0.02%

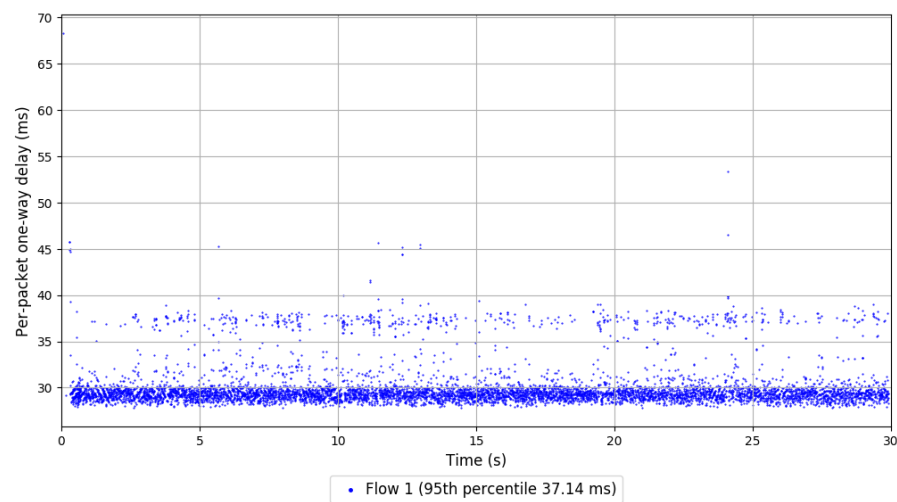
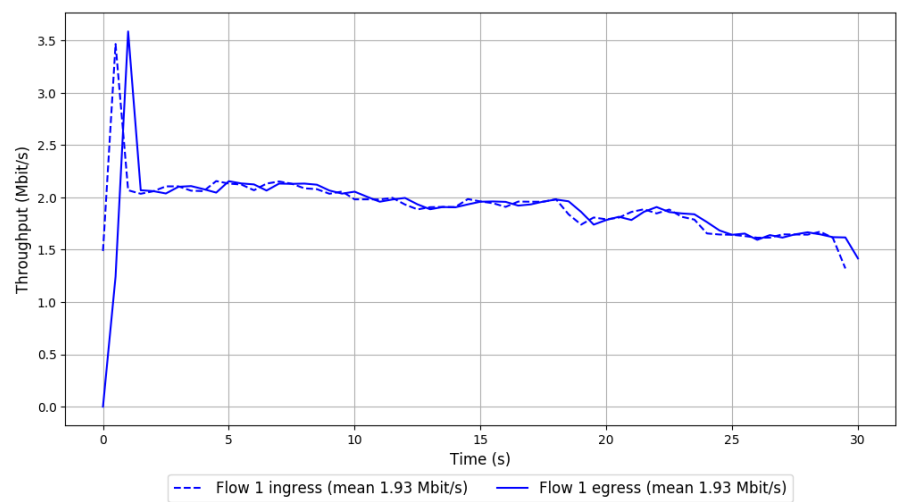
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 37.142 ms

Loss rate: 0.02%

Run 7: Report of PCC-Allegro — Data Link

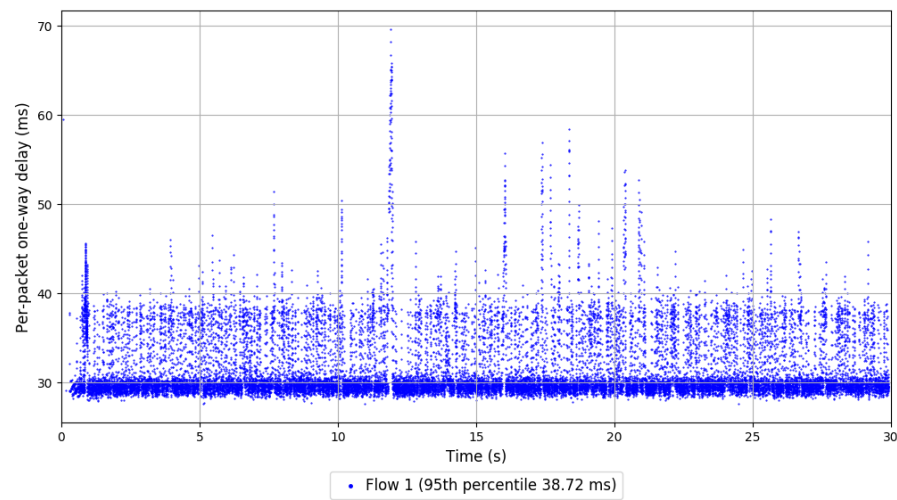
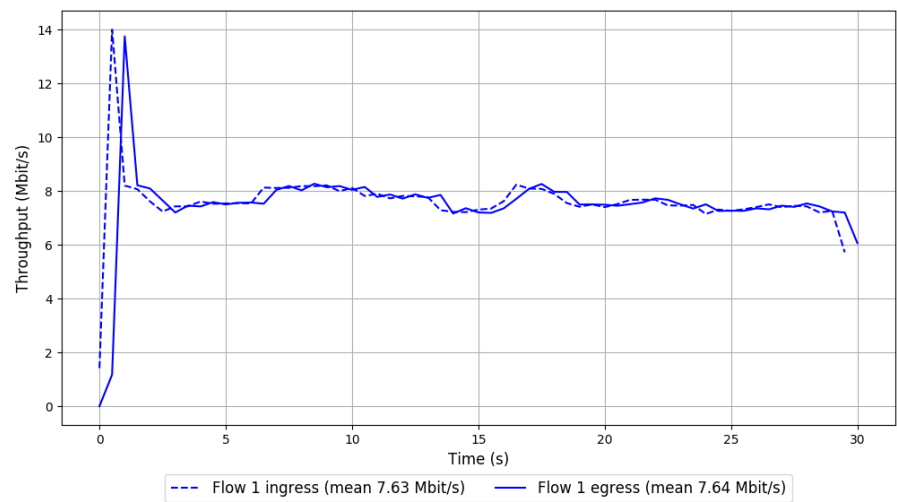


Run 8: Statistics of PCC-Allegro

Start at: 2018-05-24 02:38:11
End at: 2018-05-24 02:38:41
Local clock offset: -1.115 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-05-24 03:23:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.64 Mbit/s
95th percentile per-packet one-way delay: 38.720 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 7.64 Mbit/s
95th percentile per-packet one-way delay: 38.720 ms
Loss rate: 0.03%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-24 02:59:08

End at: 2018-05-24 02:59:38

Local clock offset: -1.137 ms

Remote clock offset: -0.092 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.71 Mbit/s

95th percentile per-packet one-way delay: 599.975 ms

Loss rate: 1.65%

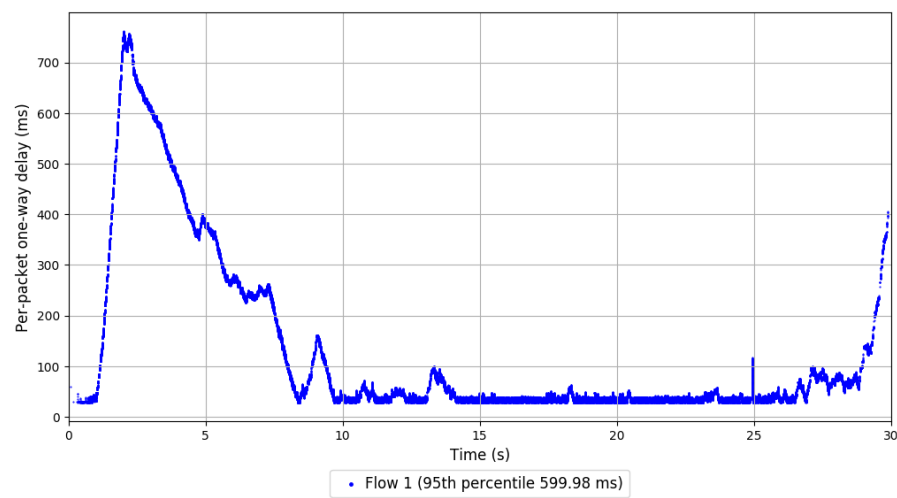
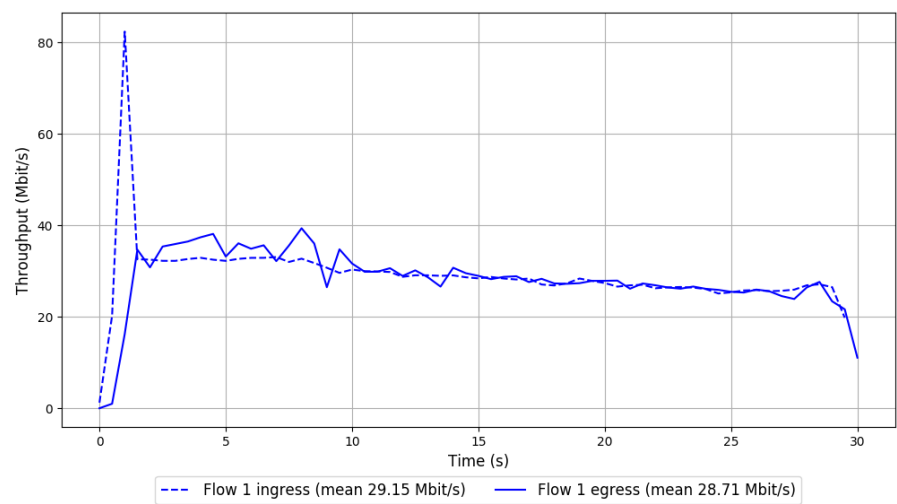
-- Flow 1:

Average throughput: 28.71 Mbit/s

95th percentile per-packet one-way delay: 599.975 ms

Loss rate: 1.65%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-24 03:20:06

End at: 2018-05-24 03:20:36

Local clock offset: -0.269 ms

Remote clock offset: 0.162 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.98 Mbit/s

95th percentile per-packet one-way delay: 794.775 ms

Loss rate: 1.44%

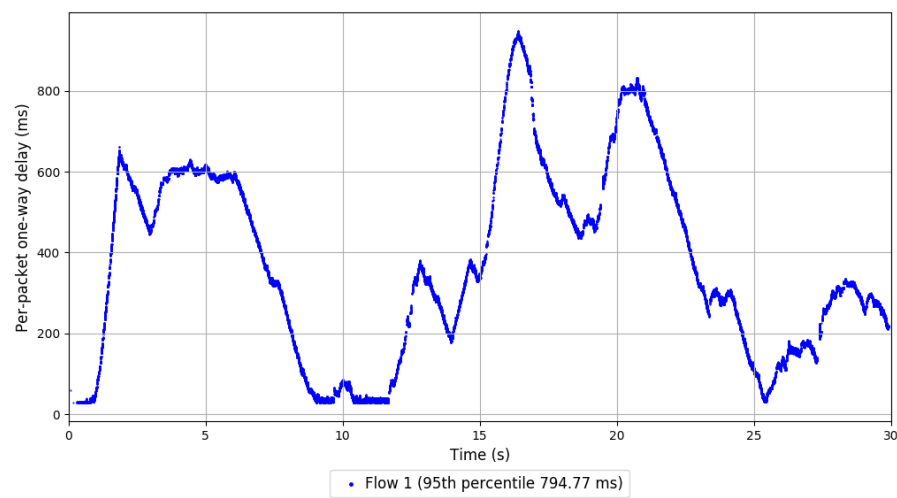
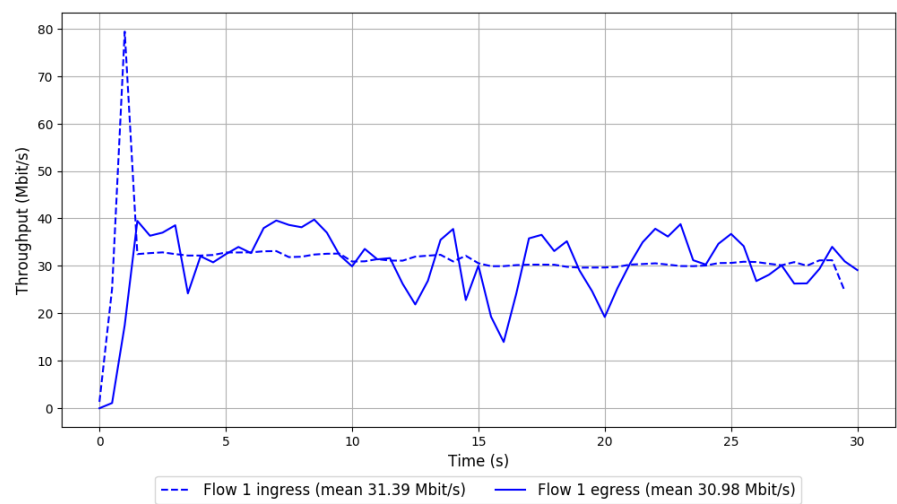
-- Flow 1:

Average throughput: 30.98 Mbit/s

95th percentile per-packet one-way delay: 794.775 ms

Loss rate: 1.44%

Run 10: Report of PCC-Allegro — Data Link

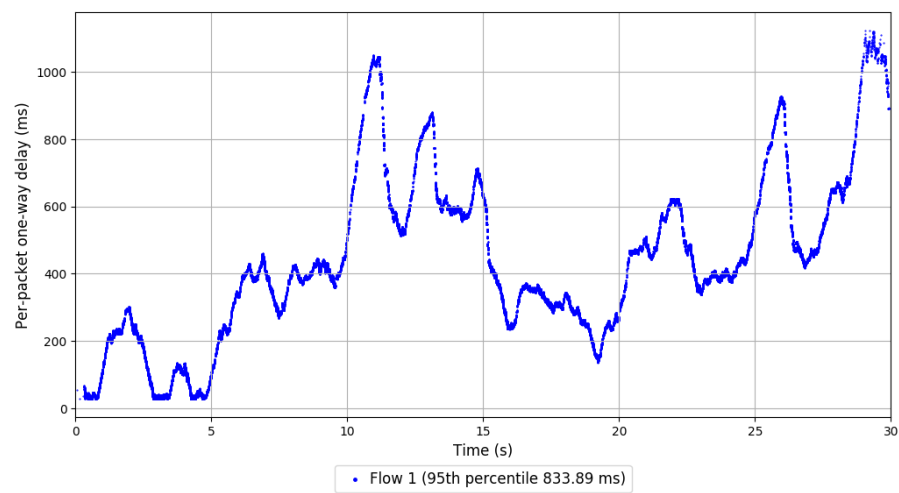
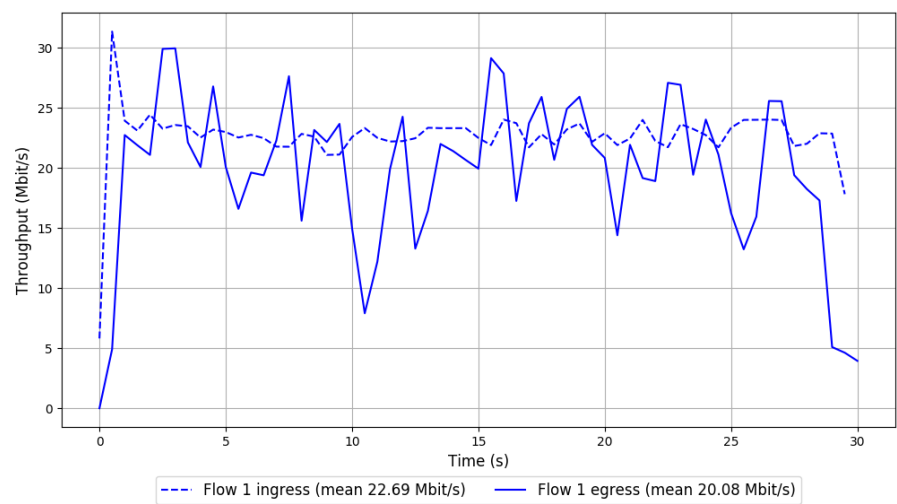


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-24 00:09:10
End at: 2018-05-24 00:09:40
Local clock offset: -19.325 ms
Remote clock offset: 0.427 ms

# Below is generated by plot.py at 2018-05-24 03:24:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.08 Mbit/s
95th percentile per-packet one-way delay: 833.888 ms
Loss rate: 11.60%
-- Flow 1:
Average throughput: 20.08 Mbit/s
95th percentile per-packet one-way delay: 833.888 ms
Loss rate: 11.60%
```

Run 1: Report of PCC-Expr — Data Link

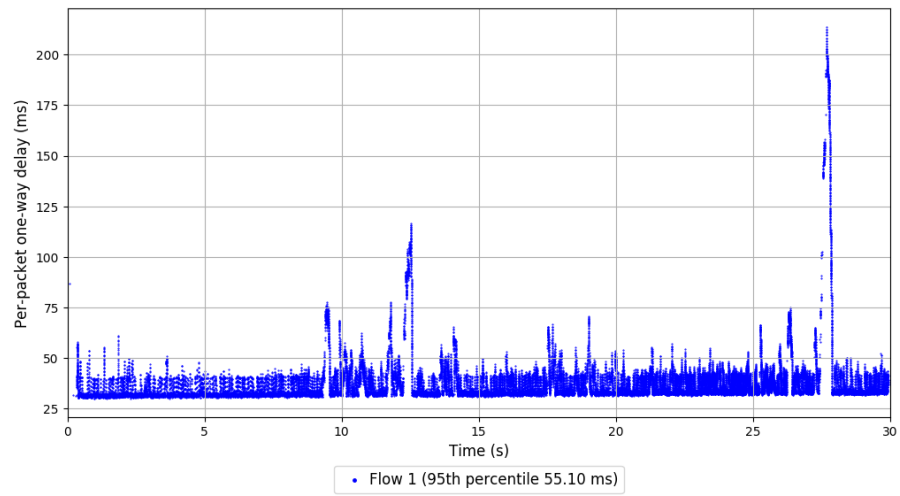
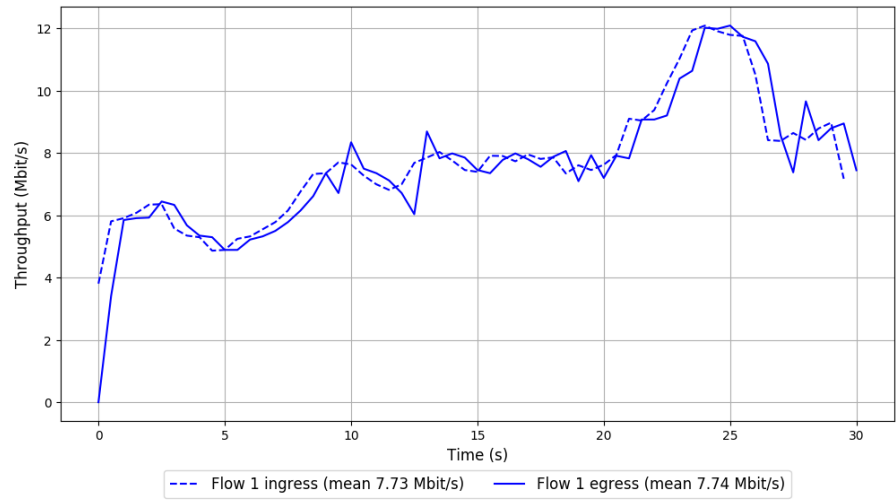


Run 2: Statistics of PCC-Expr

Start at: 2018-05-24 00:30:07
End at: 2018-05-24 00:30:37
Local clock offset: -38.519 ms
Remote clock offset: 0.491 ms

Below is generated by plot.py at 2018-05-24 03:24:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 55.101 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 55.101 ms
Loss rate: 0.07%

Run 2: Report of PCC-Expr — Data Link

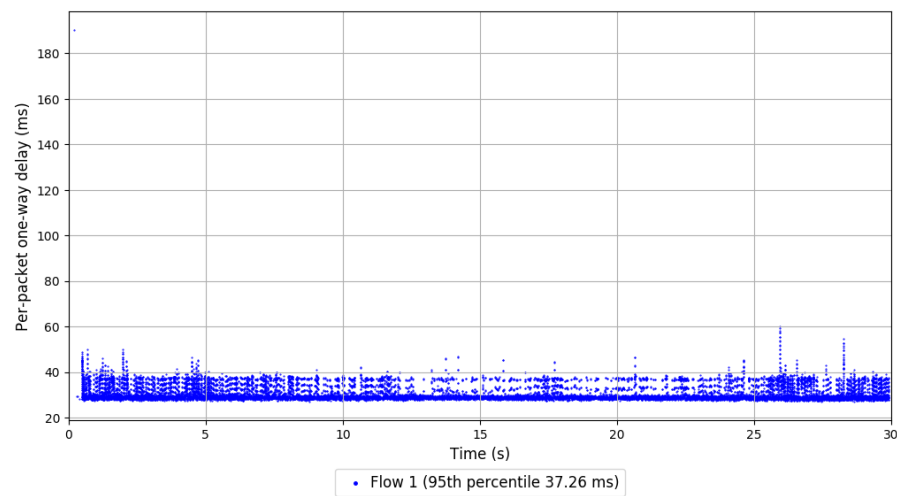
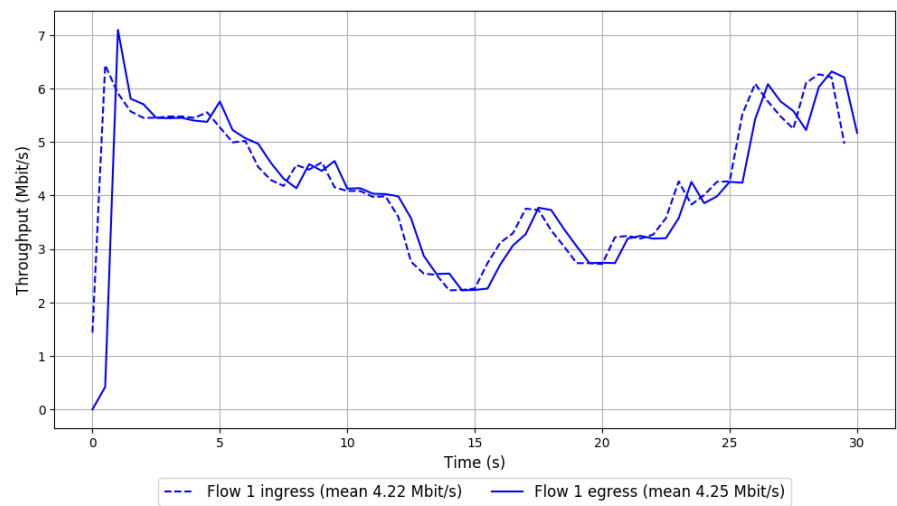


Run 3: Statistics of PCC-Expr

Start at: 2018-05-24 00:51:07
End at: 2018-05-24 00:51:37
Local clock offset: -19.012 ms
Remote clock offset: 0.606 ms

Below is generated by plot.py at 2018-05-24 03:24:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 37.262 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 37.262 ms
Loss rate: 0.05%

Run 3: Report of PCC-Expr — Data Link

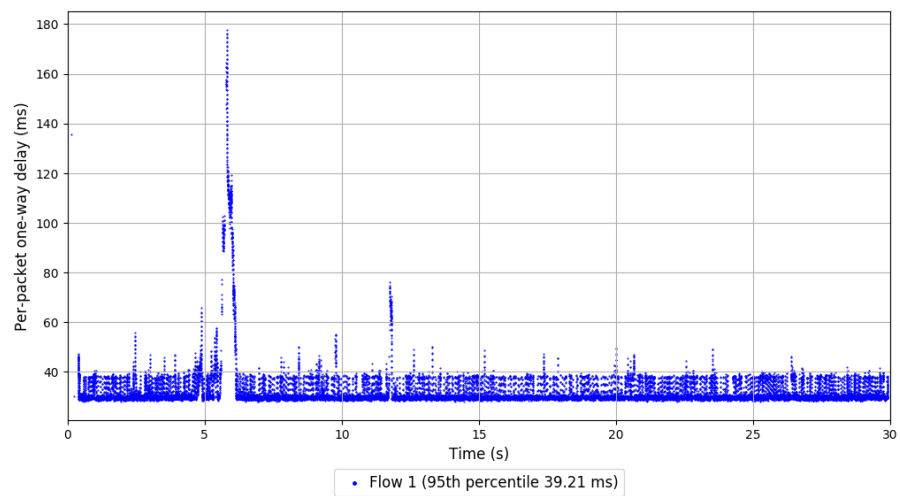
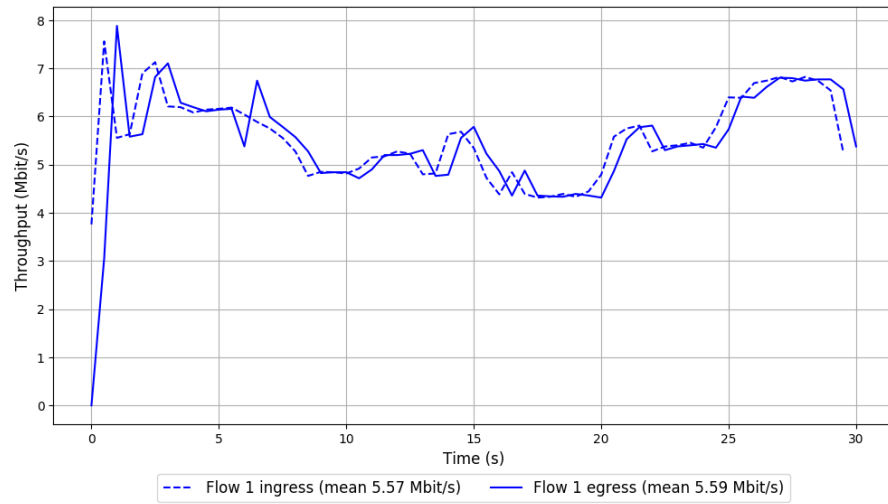


Run 4: Statistics of PCC-Expr

Start at: 2018-05-24 01:12:00
End at: 2018-05-24 01:12:30
Local clock offset: -10.083 ms
Remote clock offset: 0.269 ms

Below is generated by plot.py at 2018-05-24 03:24:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 39.211 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 39.211 ms
Loss rate: 0.08%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-05-24 01:32:53

End at: 2018-05-24 01:33:23

Local clock offset: -8.766 ms

Remote clock offset: 0.131 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.82 Mbit/s

95th percentile per-packet one-way delay: 1050.736 ms

Loss rate: 27.75%

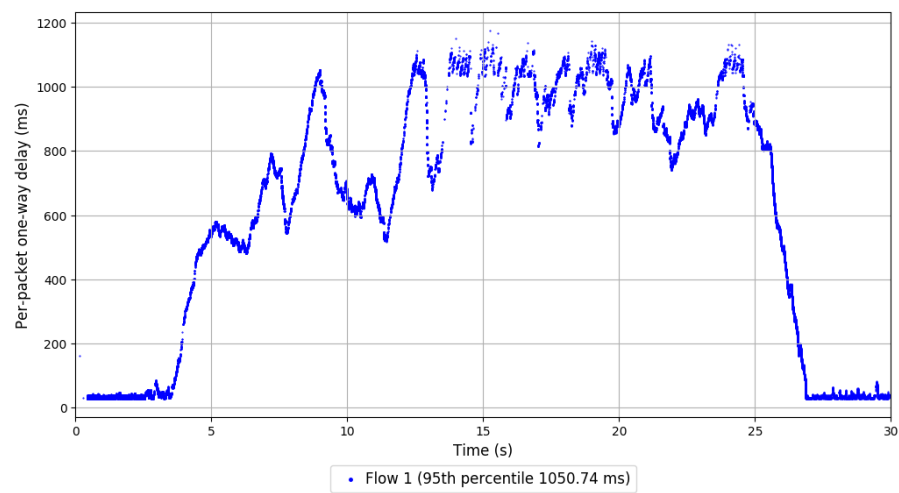
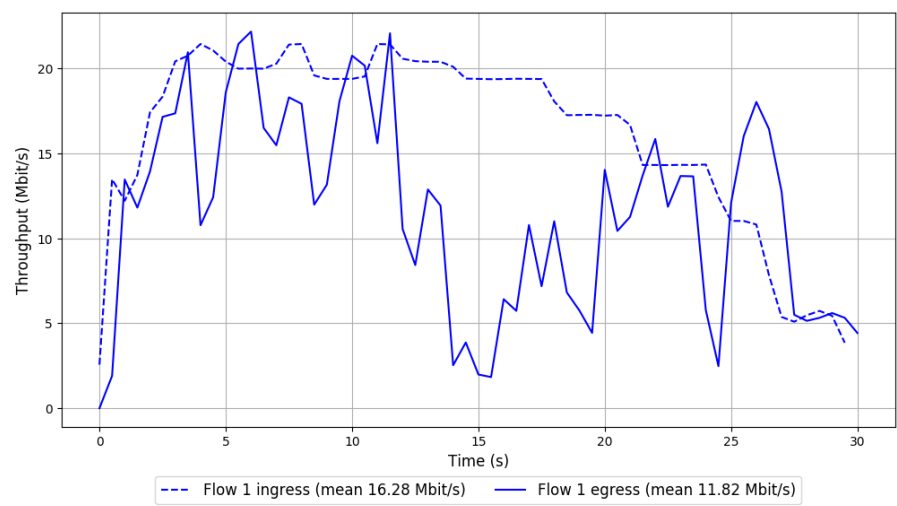
-- Flow 1:

Average throughput: 11.82 Mbit/s

95th percentile per-packet one-way delay: 1050.736 ms

Loss rate: 27.75%

Run 5: Report of PCC-Expr — Data Link

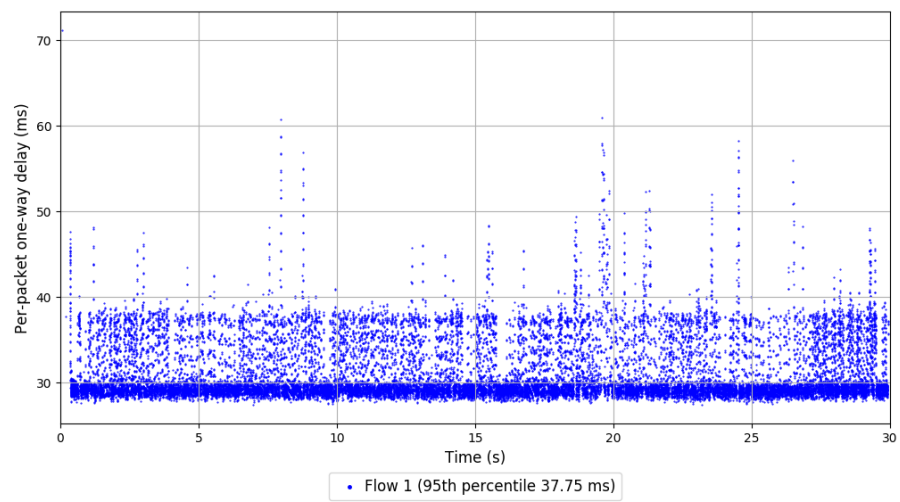
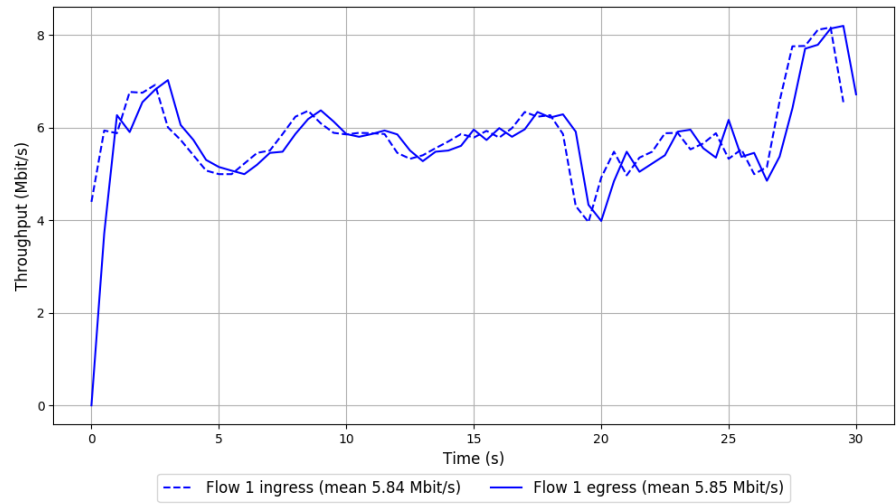


Run 6: Statistics of PCC-Expr

Start at: 2018-05-24 01:53:45
End at: 2018-05-24 01:54:15
Local clock offset: -5.275 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-05-24 03:24:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: 37.752 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: 37.752 ms
Loss rate: 0.07%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-24 02:14:41

End at: 2018-05-24 02:15:11

Local clock offset: -2.166 ms

Remote clock offset: 0.048 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.49 Mbit/s

95th percentile per-packet one-way delay: 92.465 ms

Loss rate: 0.15%

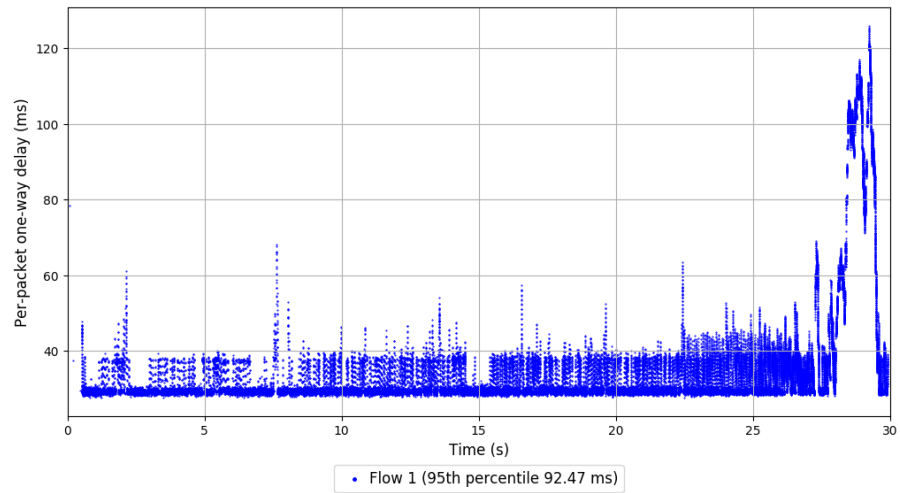
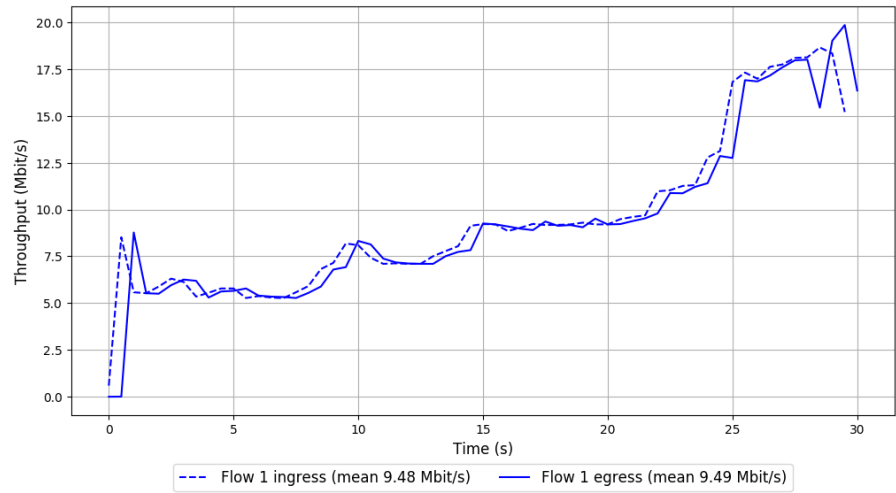
-- Flow 1:

Average throughput: 9.49 Mbit/s

95th percentile per-packet one-way delay: 92.465 ms

Loss rate: 0.15%

Run 7: Report of PCC-Expr — Data Link

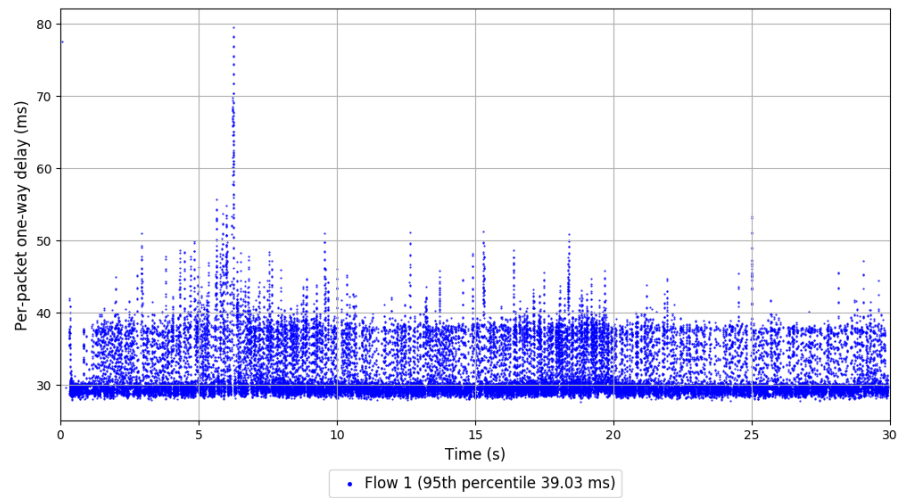
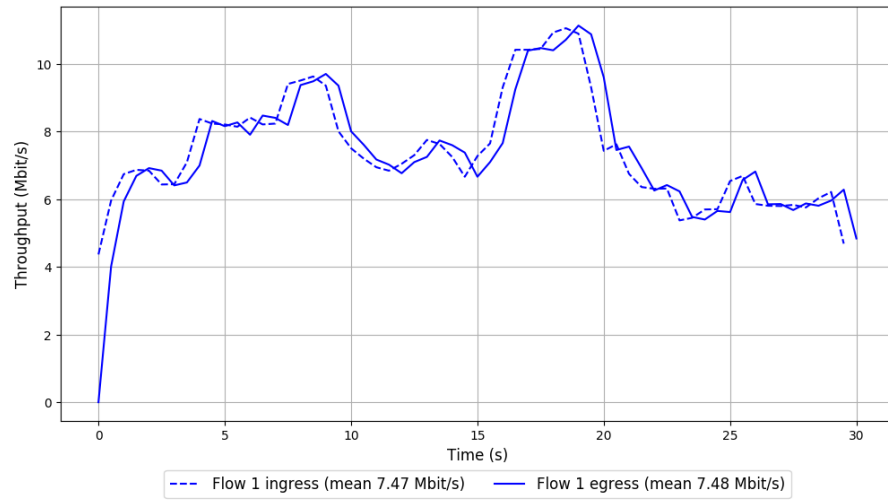


Run 8: Statistics of PCC-Expr

Start at: 2018-05-24 02:35:34
End at: 2018-05-24 02:36:04
Local clock offset: -1.444 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-05-24 03:24:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 39.026 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 39.026 ms
Loss rate: 0.04%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-05-24 02:56:30

End at: 2018-05-24 02:57:00

Local clock offset: -1.098 ms

Remote clock offset: 0.0 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.65 Mbit/s

95th percentile per-packet one-way delay: 40.061 ms

Loss rate: 0.04%

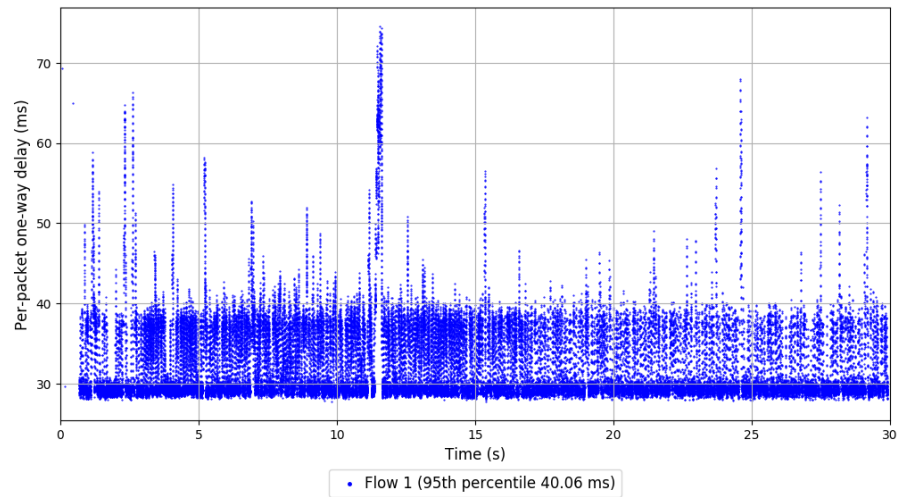
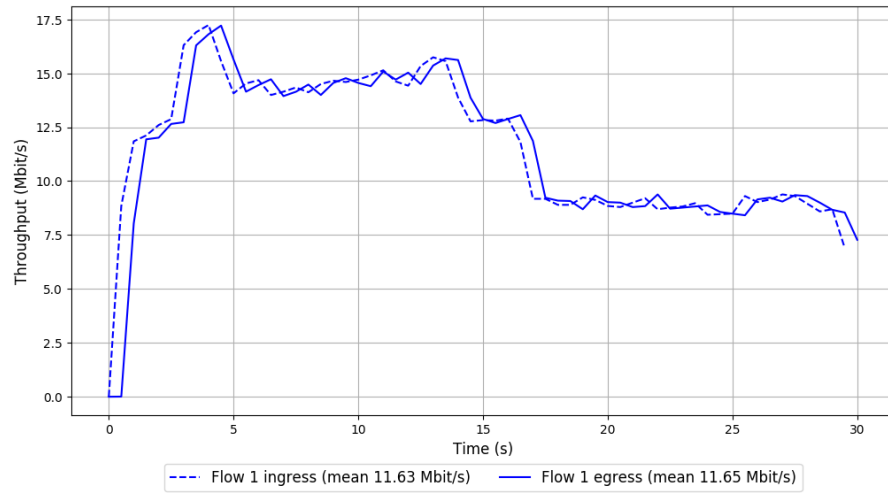
-- Flow 1:

Average throughput: 11.65 Mbit/s

95th percentile per-packet one-way delay: 40.061 ms

Loss rate: 0.04%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-05-24 03:17:28

End at: 2018-05-24 03:17:58

Local clock offset: -0.25 ms

Remote clock offset: 0.03 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.56 Mbit/s

95th percentile per-packet one-way delay: 37.435 ms

Loss rate: 0.07%

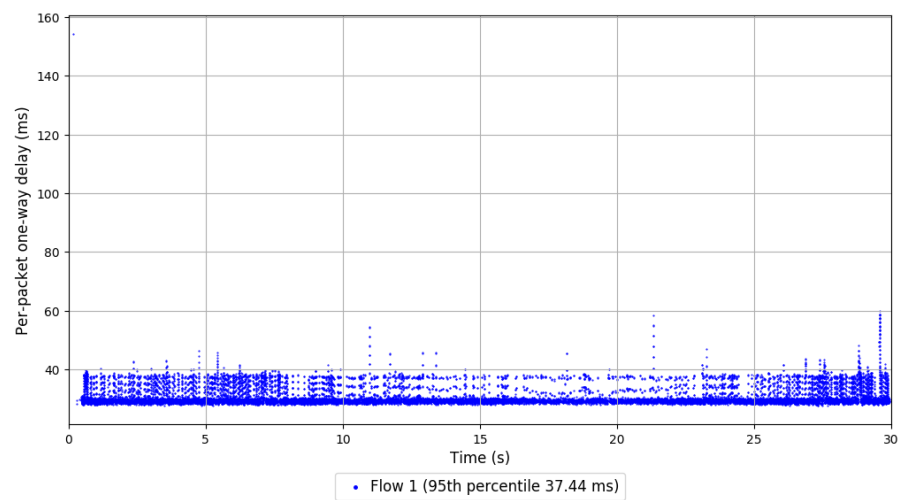
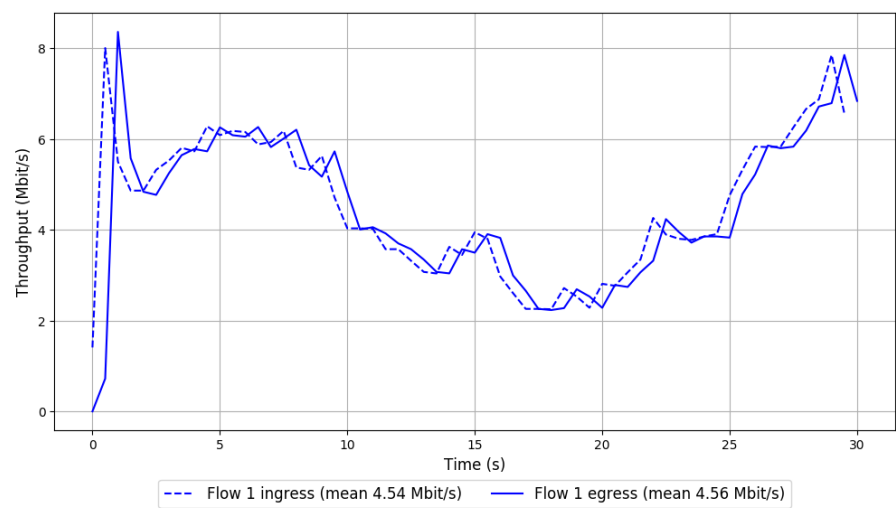
-- Flow 1:

Average throughput: 4.56 Mbit/s

95th percentile per-packet one-way delay: 37.435 ms

Loss rate: 0.07%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

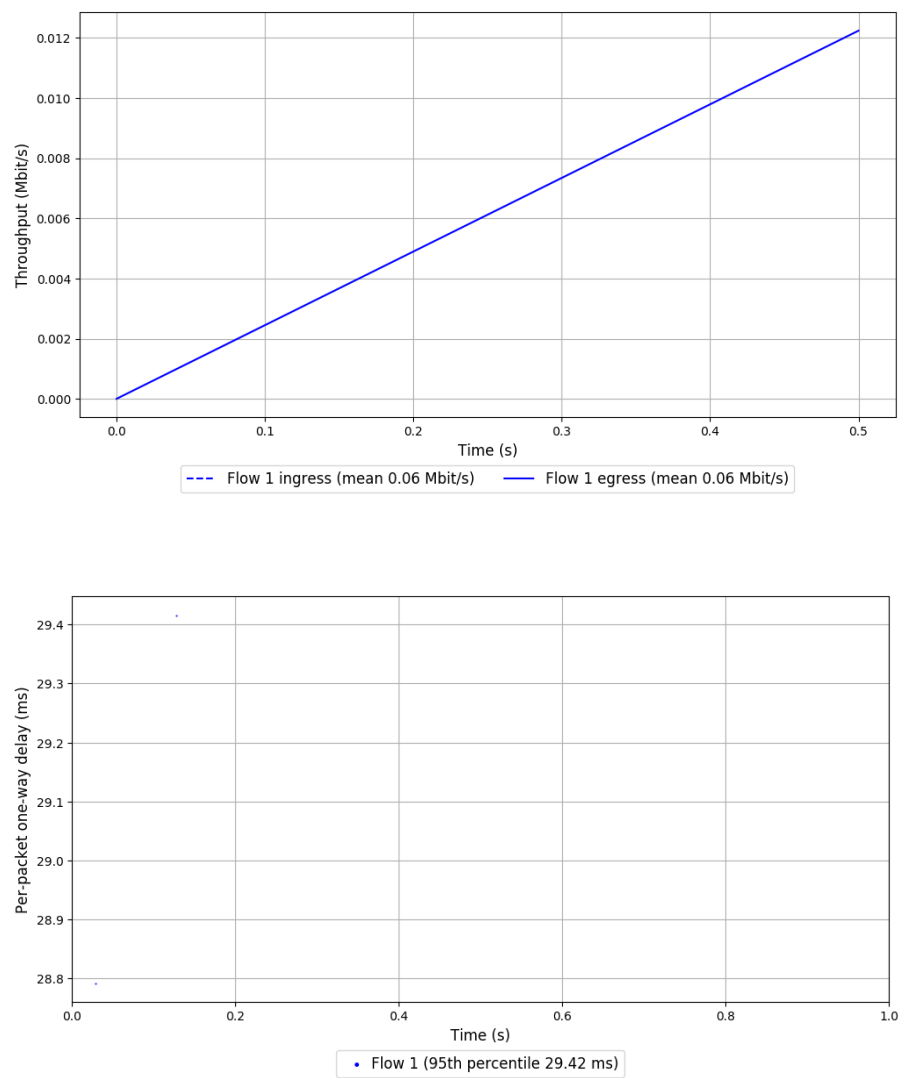
Start at: 2018-05-24 00:07:53

End at: 2018-05-24 00:08:23

Local clock offset: -18.642 ms

Remote clock offset: 0.49 ms

Run 1: Report of QUIC Cubic — Data Link

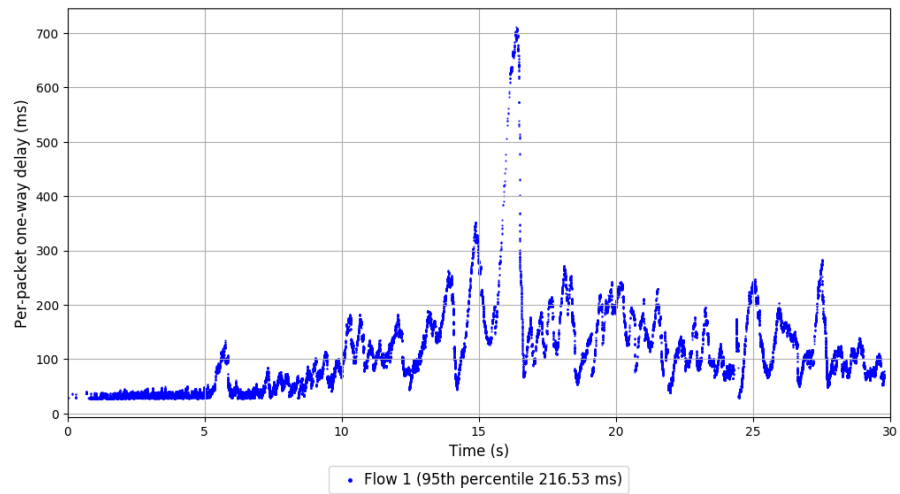
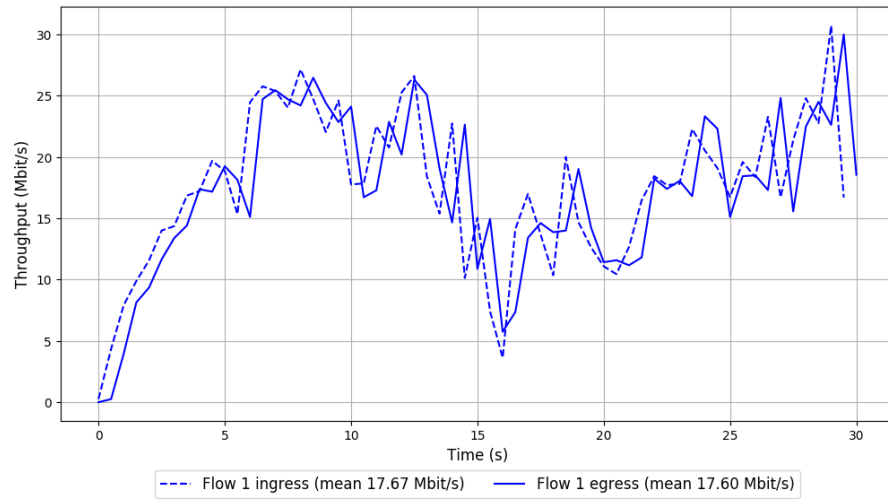


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-24 00:28:49
End at: 2018-05-24 00:29:19
Local clock offset: -40.532 ms
Remote clock offset: 0.472 ms

Below is generated by plot.py at 2018-05-24 03:24:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.60 Mbit/s
95th percentile per-packet one-way delay: 216.529 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 17.60 Mbit/s
95th percentile per-packet one-way delay: 216.529 ms
Loss rate: 0.38%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-24 00:49:49

End at: 2018-05-24 00:50:19

Local clock offset: -18.58 ms

Remote clock offset: 0.53 ms

Below is generated by plot.py at 2018-05-24 03:24:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.20 Mbit/s

95th percentile per-packet one-way delay: 234.402 ms

Loss rate: 0.36%

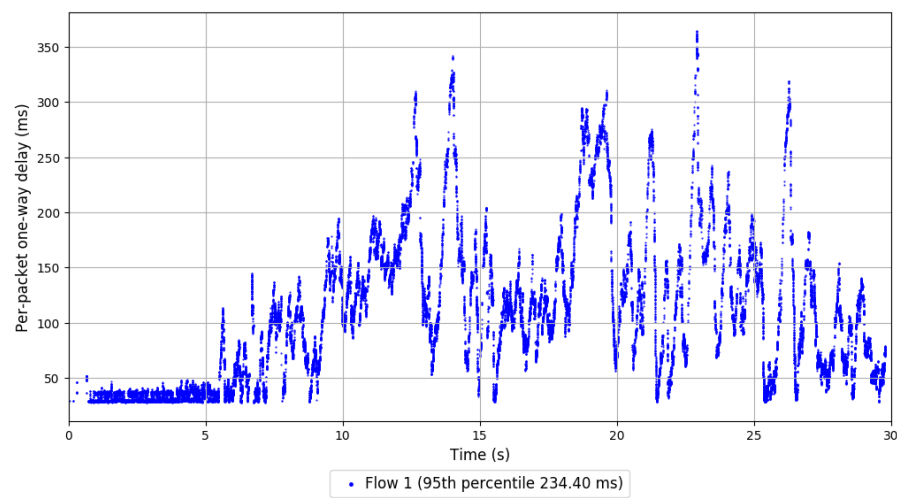
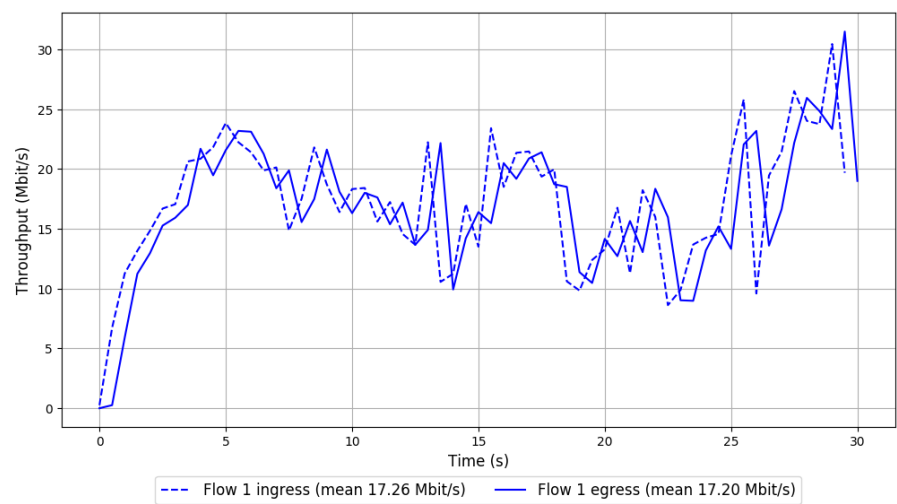
-- Flow 1:

Average throughput: 17.20 Mbit/s

95th percentile per-packet one-way delay: 234.402 ms

Loss rate: 0.36%

Run 3: Report of QUIC Cubic — Data Link

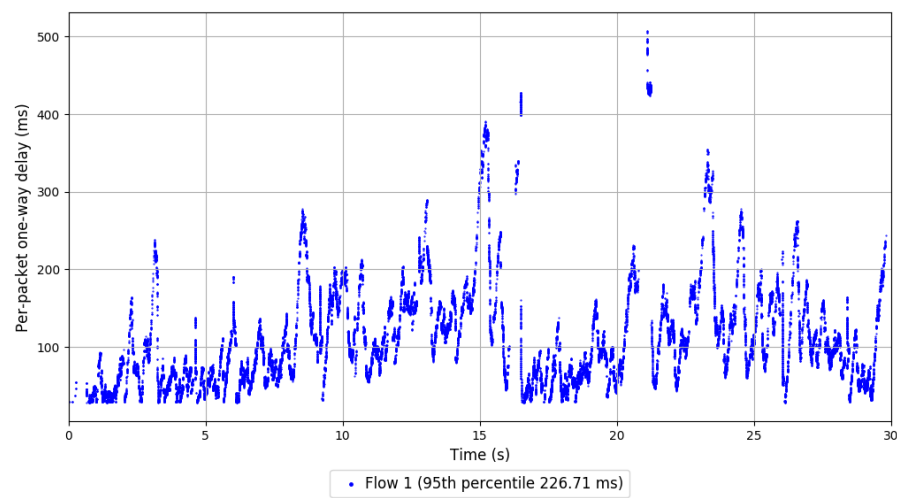
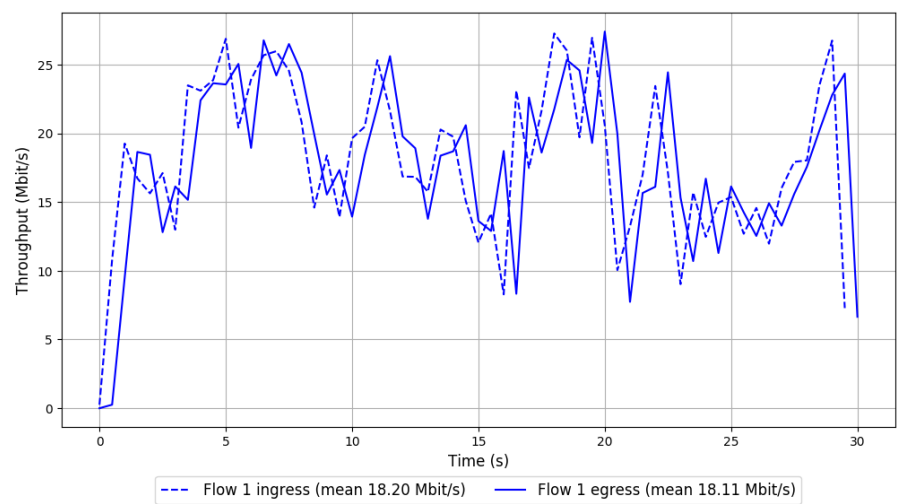


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-24 01:10:42
End at: 2018-05-24 01:11:12
Local clock offset: -10.314 ms
Remote clock offset: 0.251 ms

Below is generated by plot.py at 2018-05-24 03:24:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.11 Mbit/s
95th percentile per-packet one-way delay: 226.711 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 18.11 Mbit/s
95th percentile per-packet one-way delay: 226.711 ms
Loss rate: 0.53%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-24 01:31:35

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

Local clock offset: -9.888 ms

Remote clock offset: 0.085 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.29 Mbit/s

95th percentile per-packet one-way delay: 351.673 ms

Loss rate: 0.28%

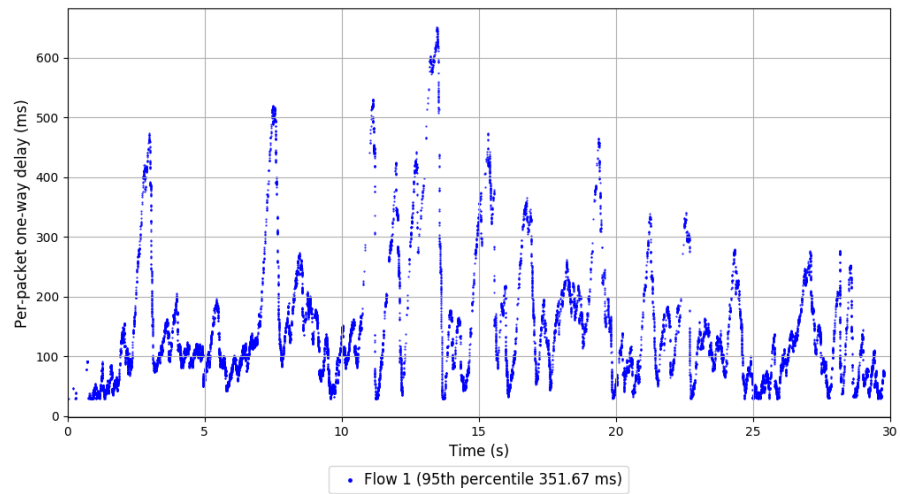
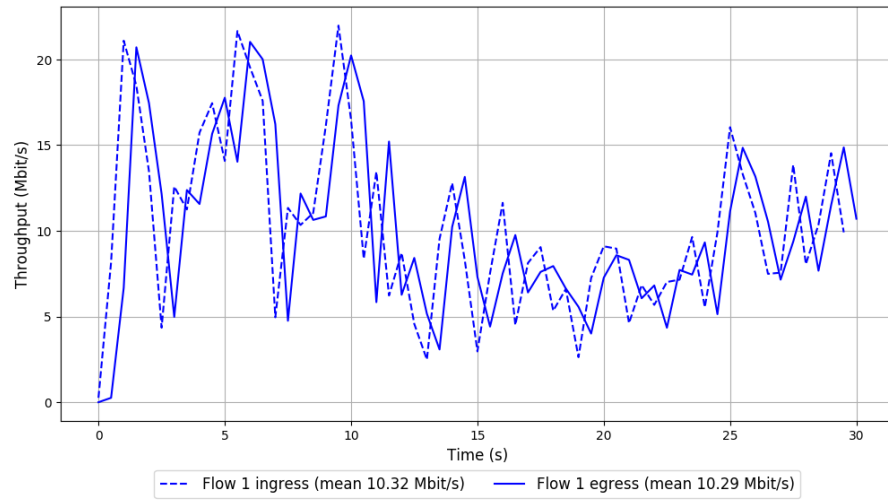
-- Flow 1:

Average throughput: 10.29 Mbit/s

95th percentile per-packet one-way delay: 351.673 ms

Loss rate: 0.28%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-24 01:52:26

End at: 2018-05-24 01:52:56

Local clock offset: -5.015 ms

Remote clock offset: -0.042 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.52 Mbit/s

95th percentile per-packet one-way delay: 227.170 ms

Loss rate: 0.31%

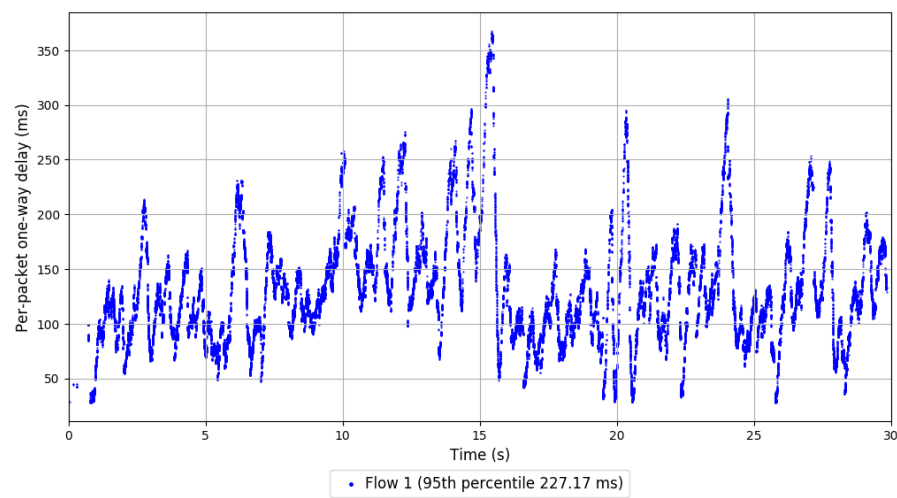
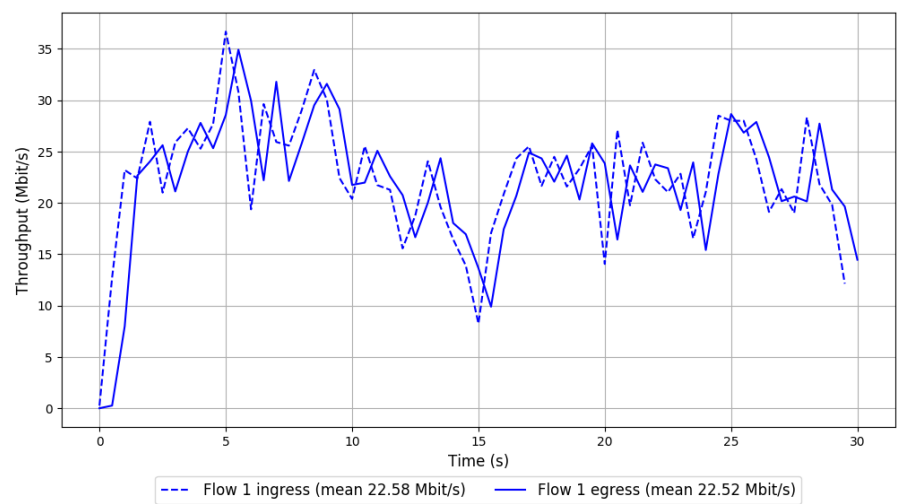
-- Flow 1:

Average throughput: 22.52 Mbit/s

95th percentile per-packet one-way delay: 227.170 ms

Loss rate: 0.31%

Run 6: Report of QUIC Cubic — Data Link

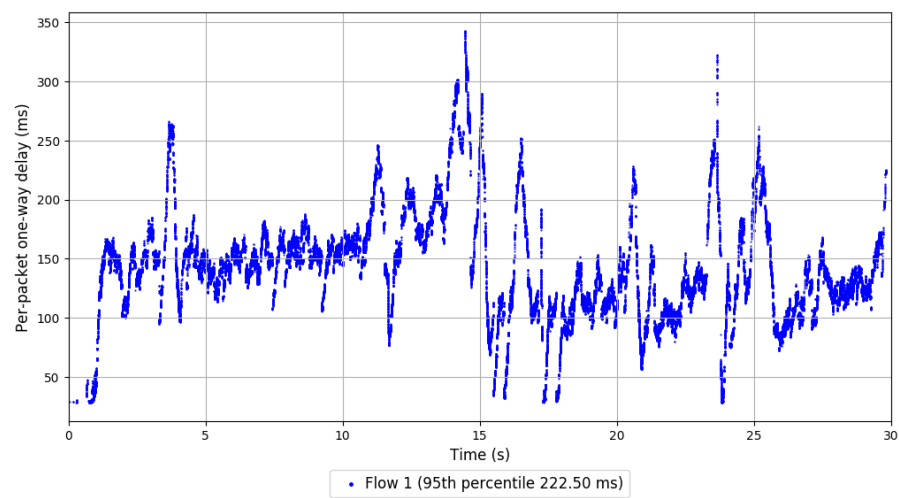
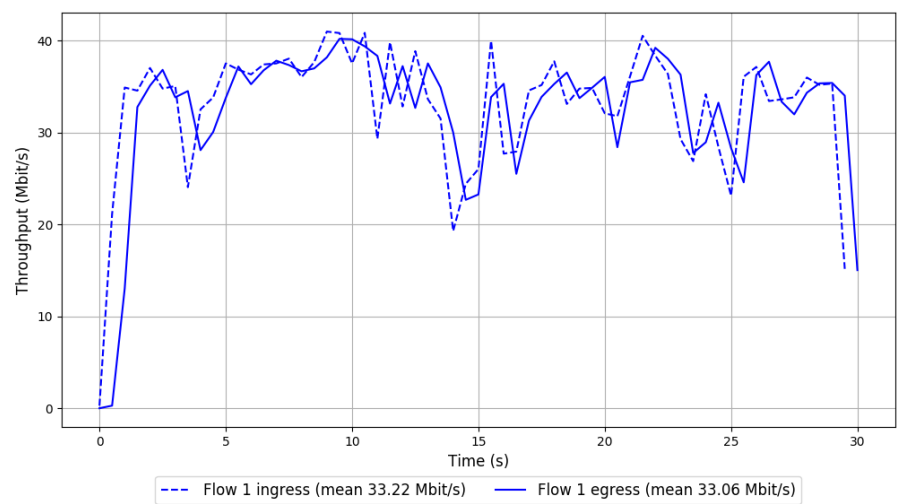


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-24 02:13:21
End at: 2018-05-24 02:13:51
Local clock offset: -2.099 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-05-24 03:25:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 222.498 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 222.498 ms
Loss rate: 0.53%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-24 02:34:16

End at: 2018-05-24 02:34:46

Local clock offset: -1.552 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-05-24 03:25:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.88 Mbit/s

95th percentile per-packet one-way delay: 248.992 ms

Loss rate: 0.11%

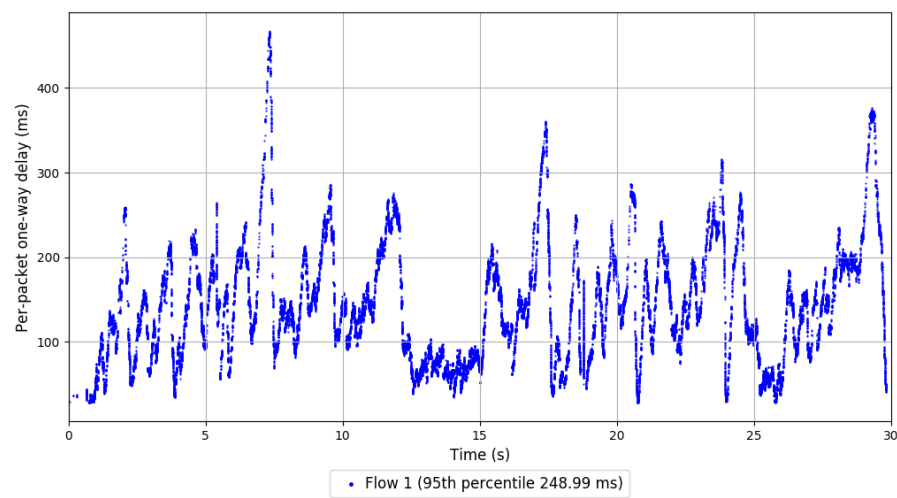
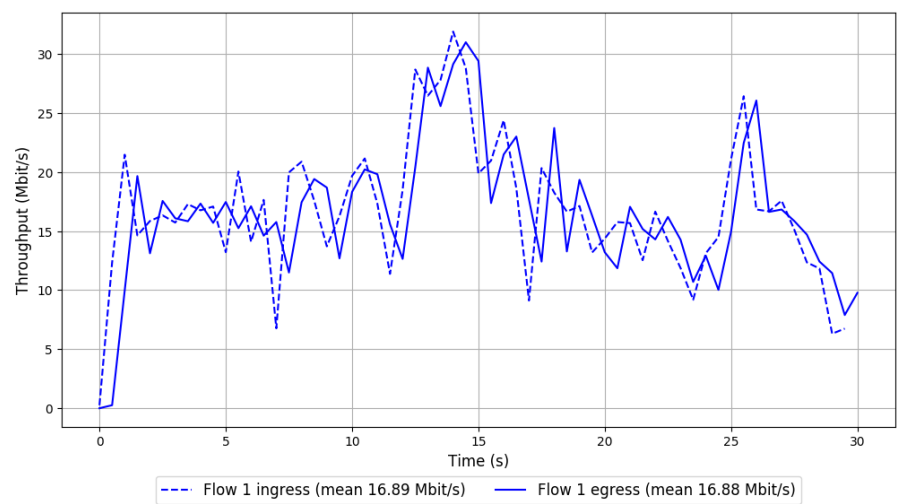
-- Flow 1:

Average throughput: 16.88 Mbit/s

95th percentile per-packet one-way delay: 248.992 ms

Loss rate: 0.11%

Run 8: Report of QUIC Cubic — Data Link

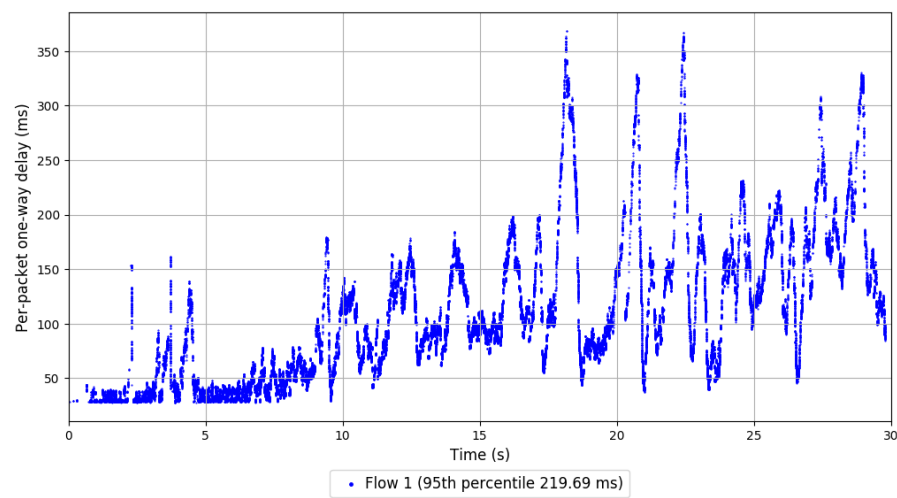
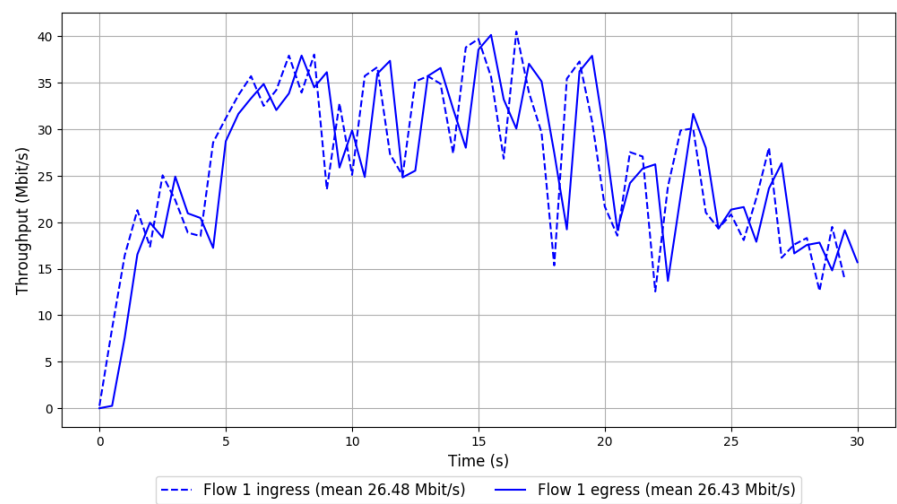


Run 9: Statistics of QUIC Cubic

Start at: 2018-05-24 02:55:11
End at: 2018-05-24 02:55:41
Local clock offset: -0.92 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-05-24 03:25:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.43 Mbit/s
95th percentile per-packet one-way delay: 219.688 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 26.43 Mbit/s
95th percentile per-packet one-way delay: 219.688 ms
Loss rate: 0.20%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-24 03:16:09

End at: 2018-05-24 03:16:39

Local clock offset: -0.15 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-05-24 03:25:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.51 Mbit/s

95th percentile per-packet one-way delay: 198.684 ms

Loss rate: 0.44%

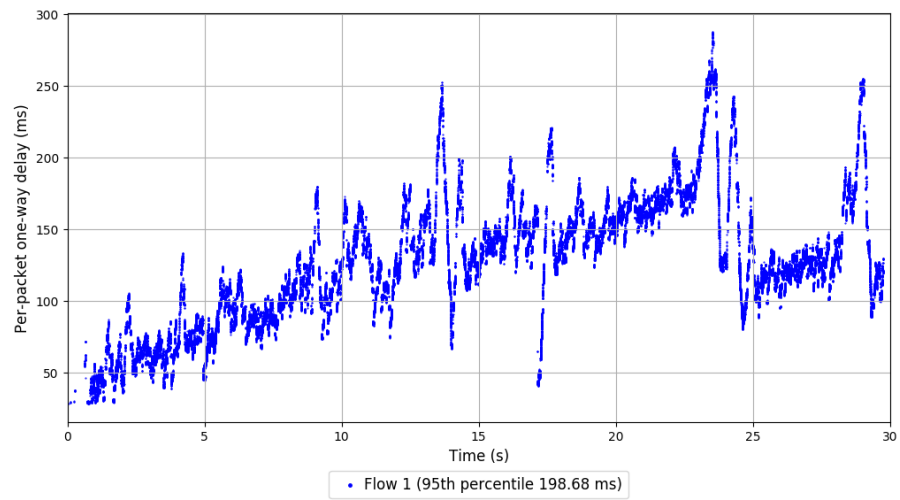
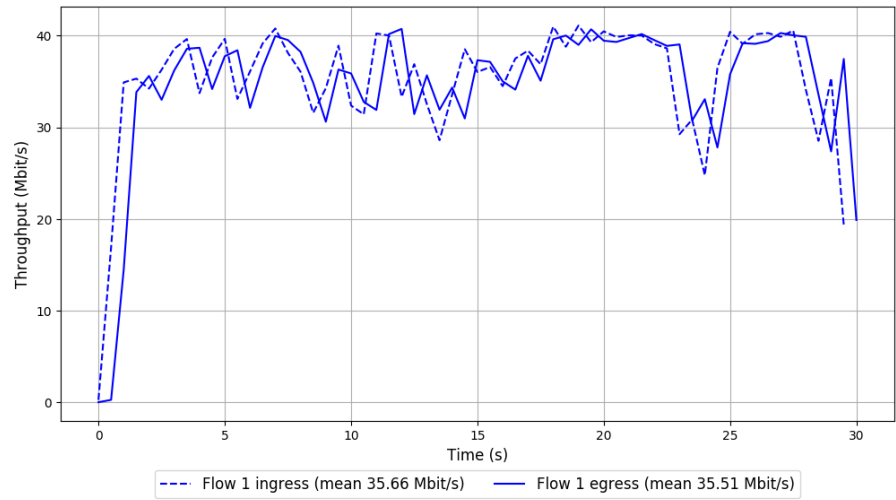
-- Flow 1:

Average throughput: 35.51 Mbit/s

95th percentile per-packet one-way delay: 198.684 ms

Loss rate: 0.44%

Run 10: Report of QUIC Cubic — Data Link

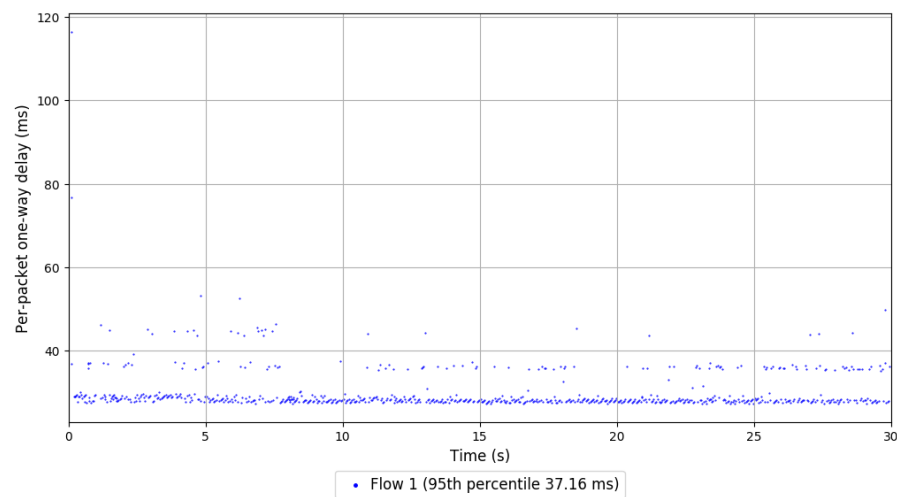
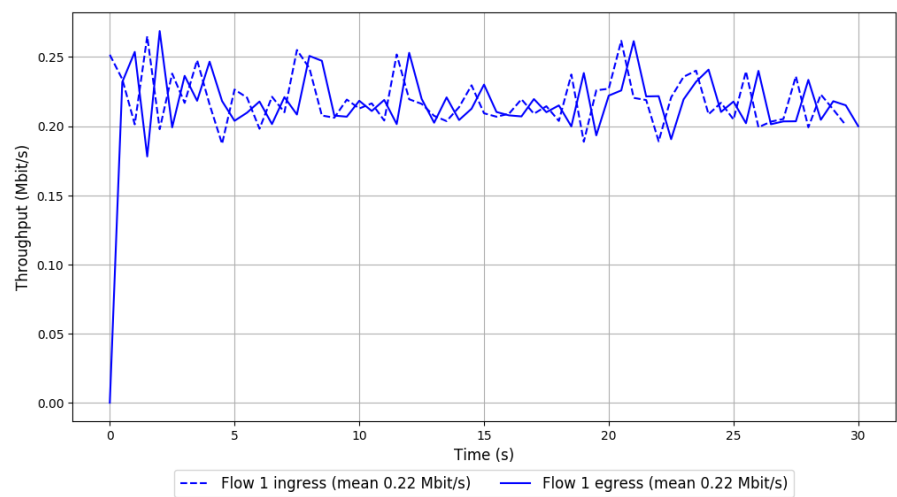


Run 1: Statistics of SCReAM

Start at: 2018-05-23 23:53:33
End at: 2018-05-23 23:54:03
Local clock offset: -13.533 ms
Remote clock offset: 0.417 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.157 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.157 ms
Loss rate: 0.13%

Run 1: Report of SReAM — Data Link

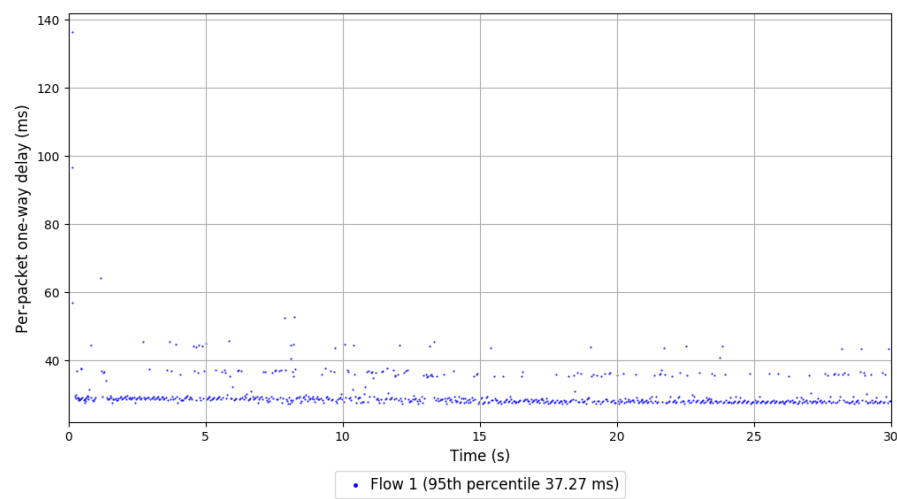
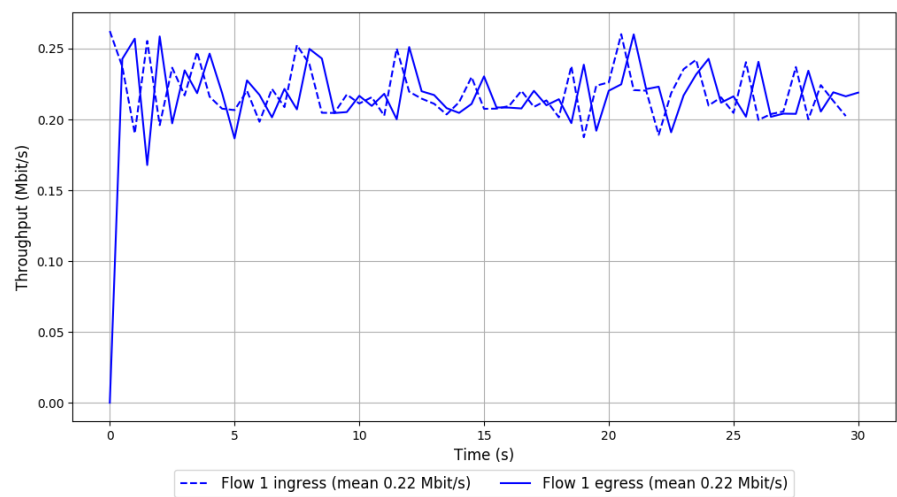


Run 2: Statistics of SCReAM

Start at: 2018-05-24 00:14:24
End at: 2018-05-24 00:14:54
Local clock offset: -23.459 ms
Remote clock offset: 0.457 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.274 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.274 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

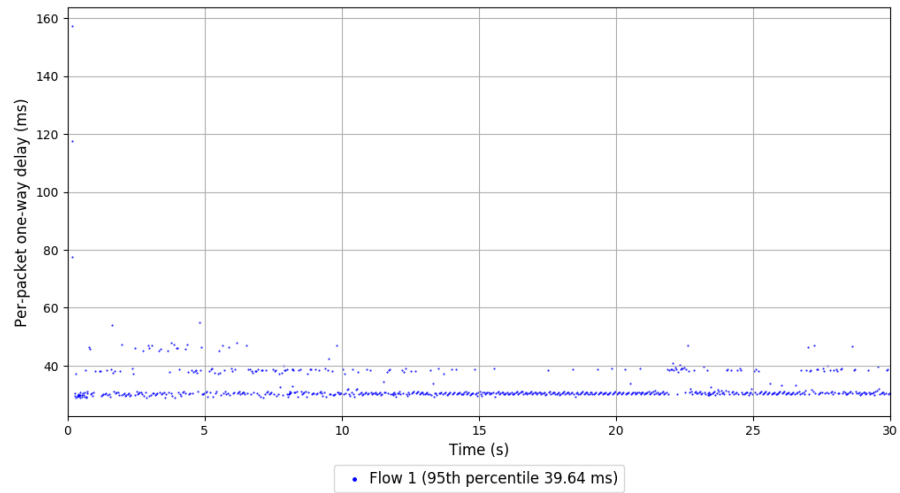
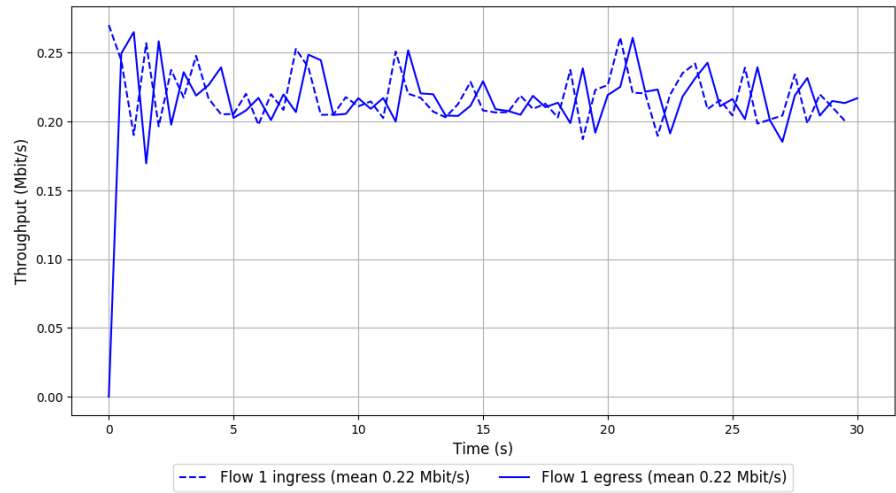


Run 3: Statistics of SCReAM

Start at: 2018-05-24 00:35:21
End at: 2018-05-24 00:35:51
Local clock offset: -24.517 ms
Remote clock offset: 0.482 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.639 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.639 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

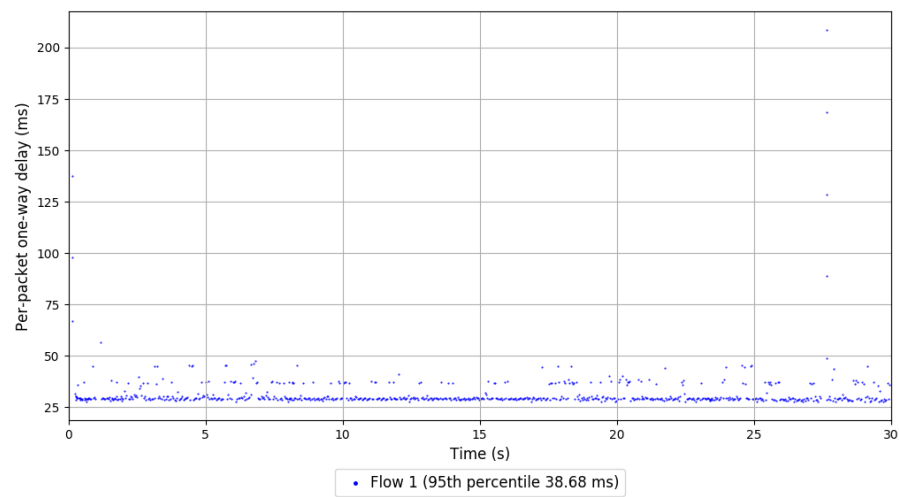
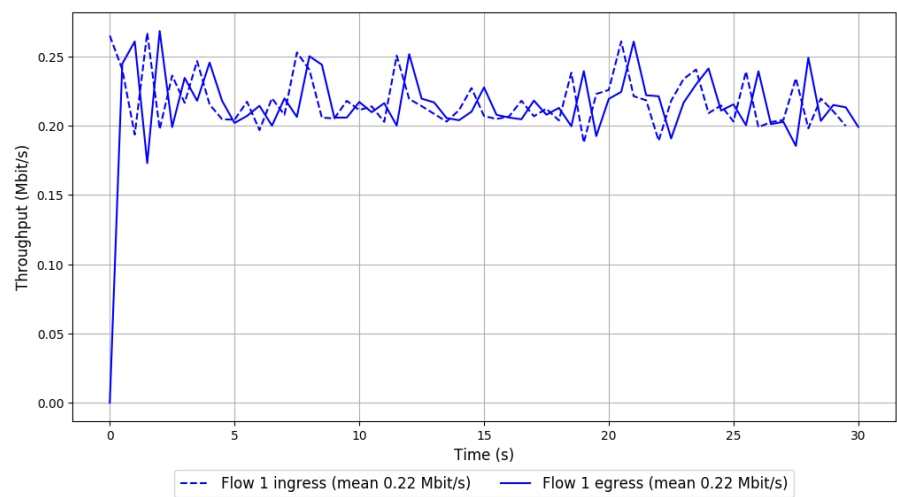


Run 4: Statistics of SReAM

Start at: 2018-05-24 00:56:21
End at: 2018-05-24 00:56:51
Local clock offset: -21.543 ms
Remote clock offset: 0.645 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.681 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.681 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-05-24 01:17:14

End at: 2018-05-24 01:17:44

Local clock offset: -9.63 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-05-24 03:25:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 164.666 ms

Loss rate: 0.10%

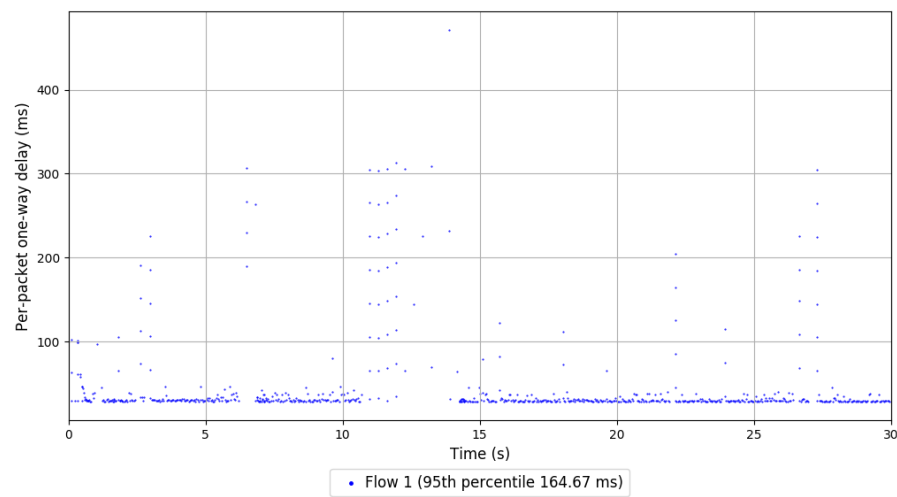
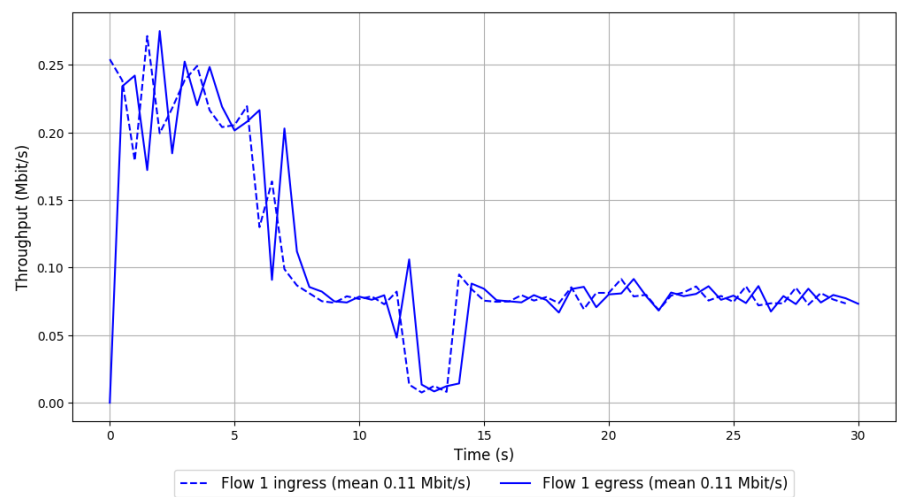
-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 164.666 ms

Loss rate: 0.10%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-05-24 01:38:06

End at: 2018-05-24 01:38:36

Local clock offset: -5.756 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-05-24 03:25:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 37.527 ms

Loss rate: 0.00%

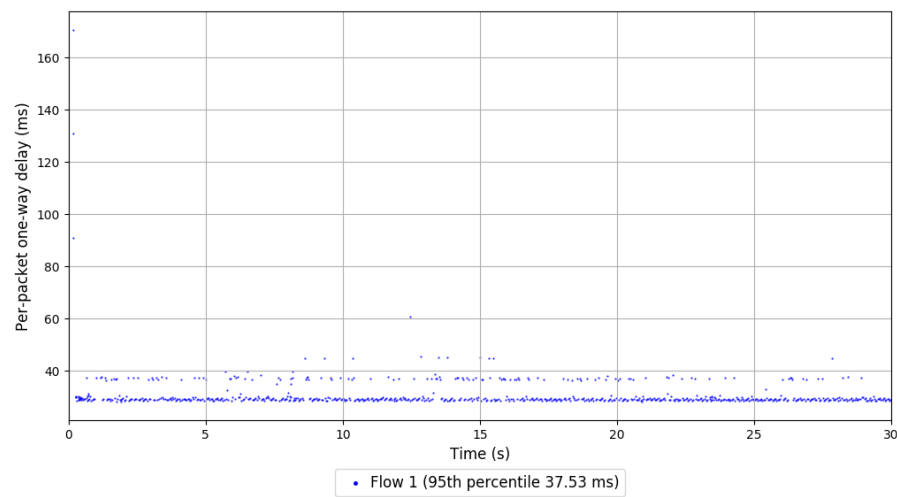
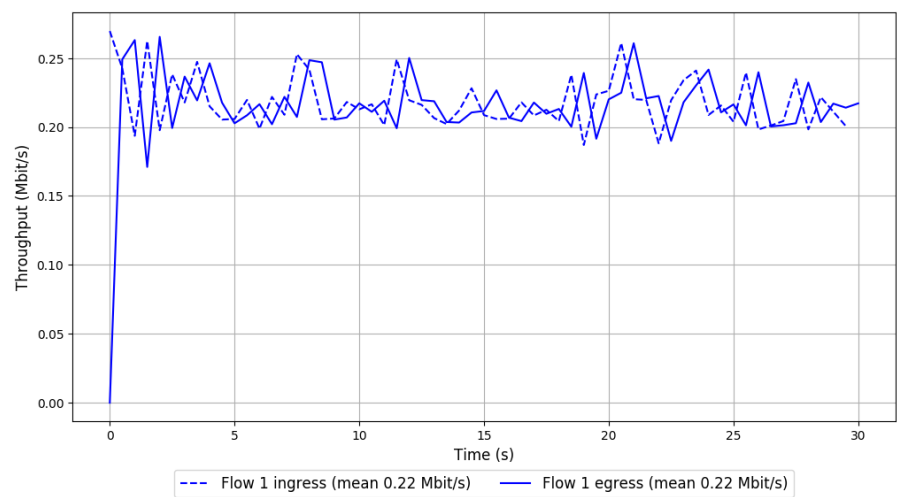
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 37.527 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

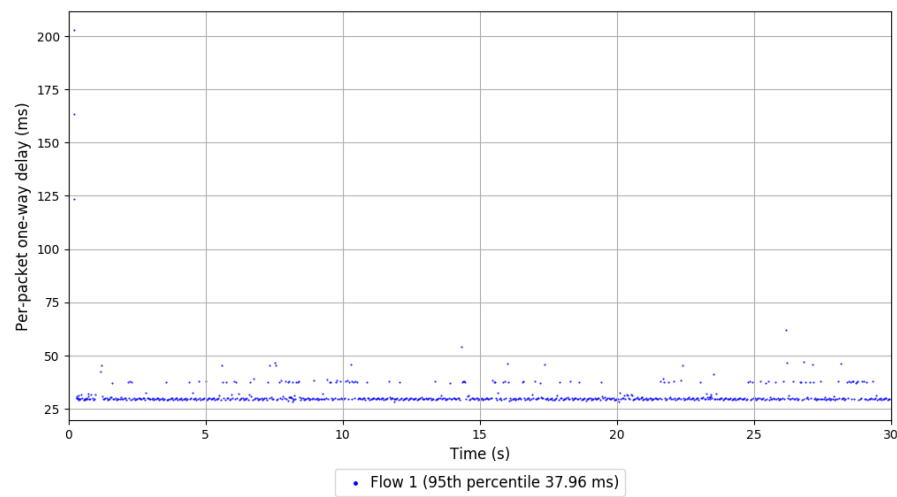
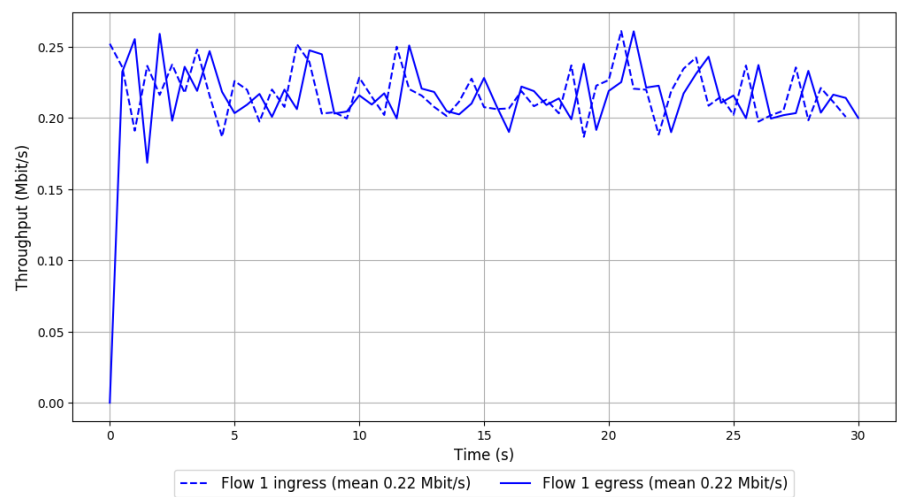


Run 7: Statistics of SCReAM

Start at: 2018-05-24 01:58:58
End at: 2018-05-24 01:59:28
Local clock offset: -5.961 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.962 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.962 ms
Loss rate: 0.13%

Run 7: Report of SReAM — Data Link

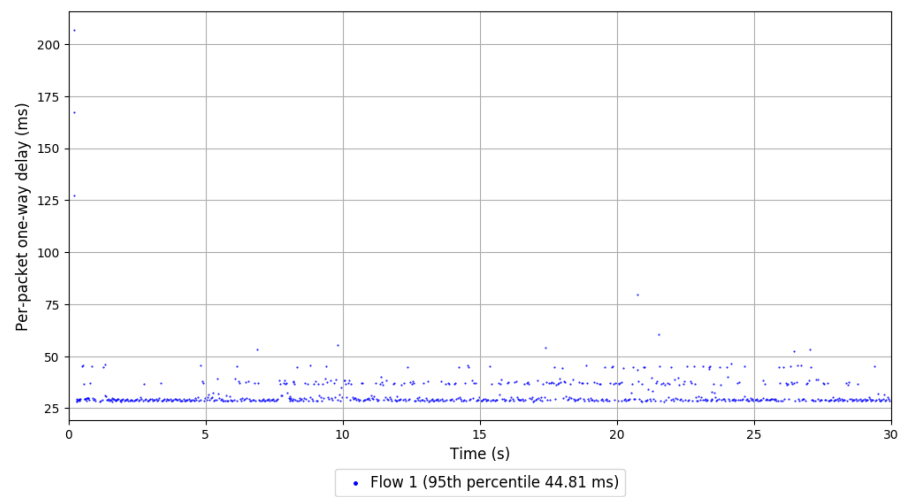
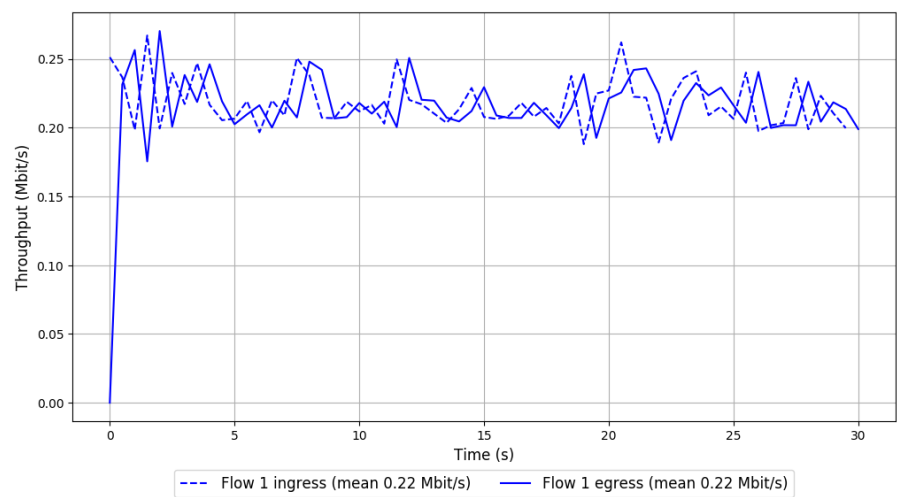


Run 8: Statistics of SCReAM

Start at: 2018-05-24 02:19:54
End at: 2018-05-24 02:20:24
Local clock offset: -2.239 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 44.811 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 44.811 ms
Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

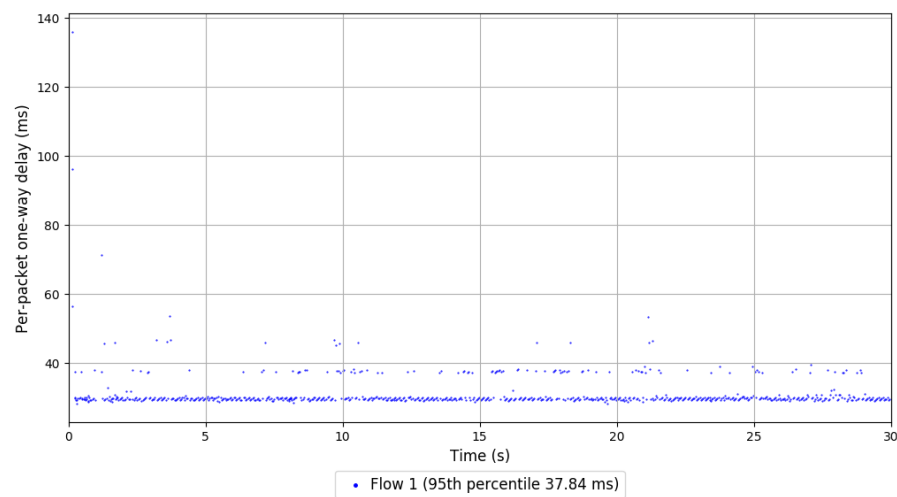
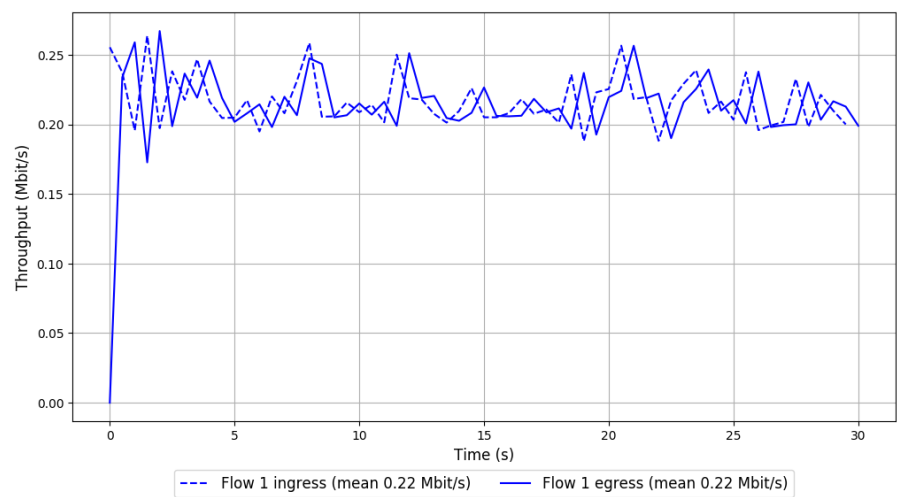


Run 9: Statistics of SCReAM

Start at: 2018-05-24 02:40:47
End at: 2018-05-24 02:41:17
Local clock offset: -0.816 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.840 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.840 ms
Loss rate: 0.13%

Run 9: Report of SReAM — Data Link

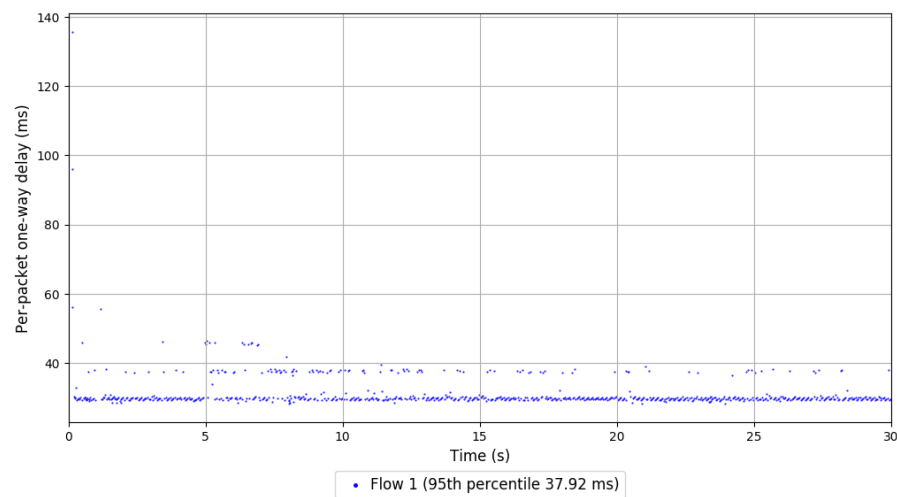
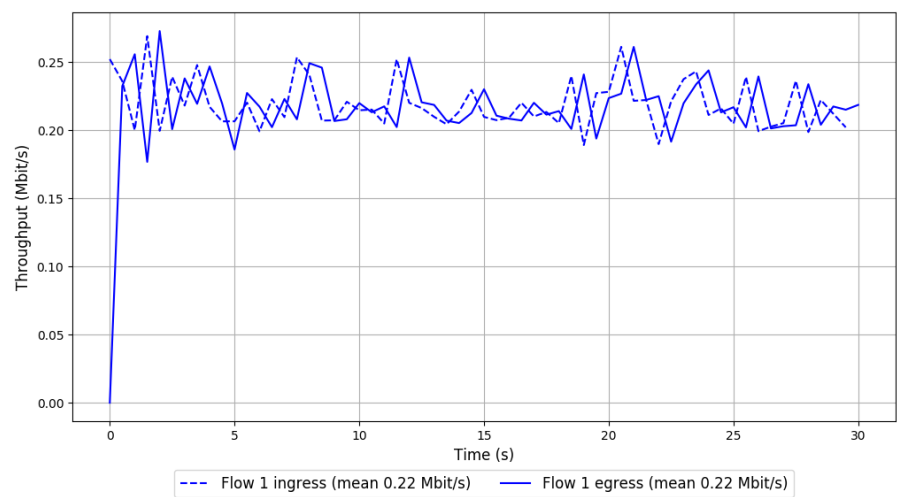


Run 10: Statistics of SCReAM

Start at: 2018-05-24 03:01:45
End at: 2018-05-24 03:02:15
Local clock offset: -0.772 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.916 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.916 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

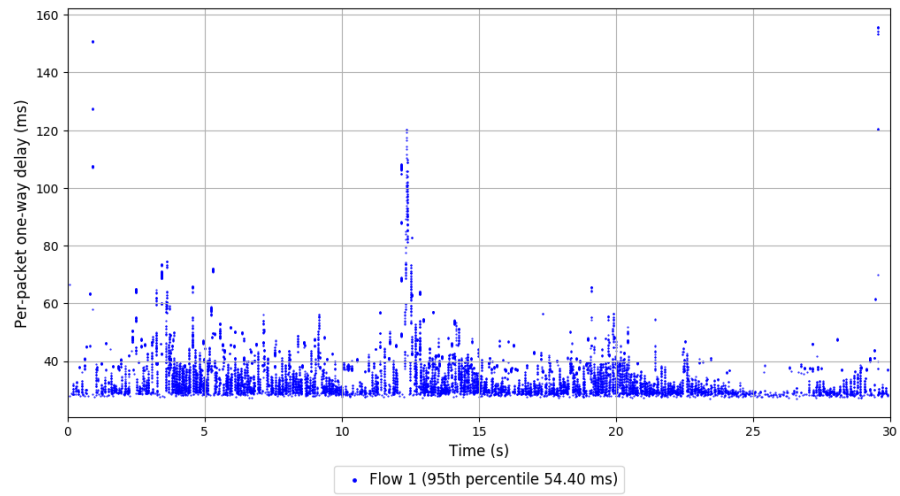
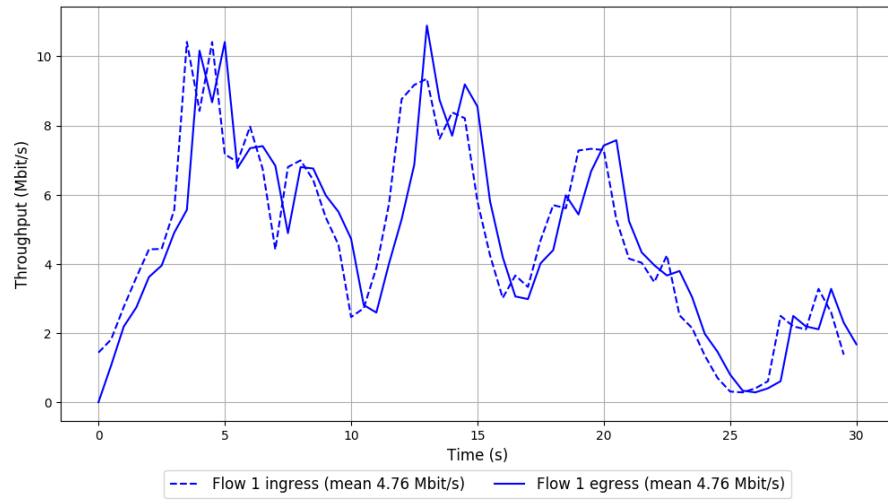


Run 1: Statistics of Sprout

Start at: 2018-05-23 23:52:15
End at: 2018-05-23 23:52:45
Local clock offset: -12.784 ms
Remote clock offset: 0.346 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 54.400 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 54.400 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

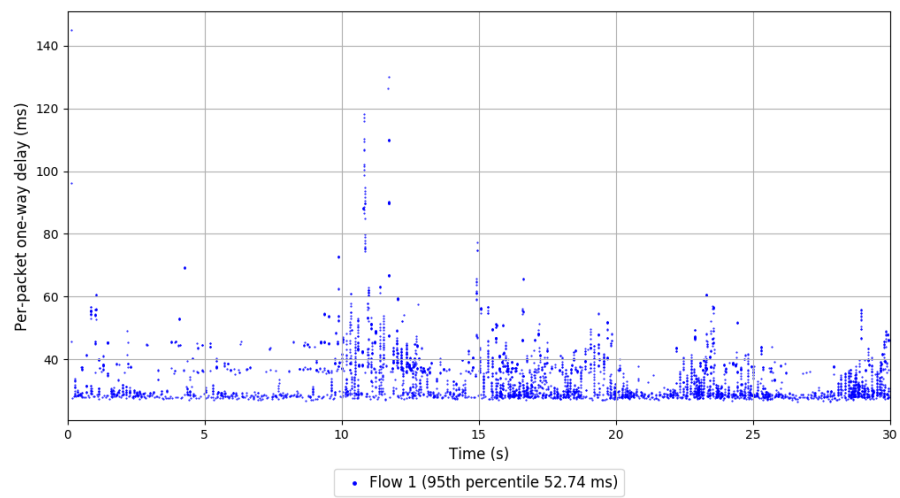
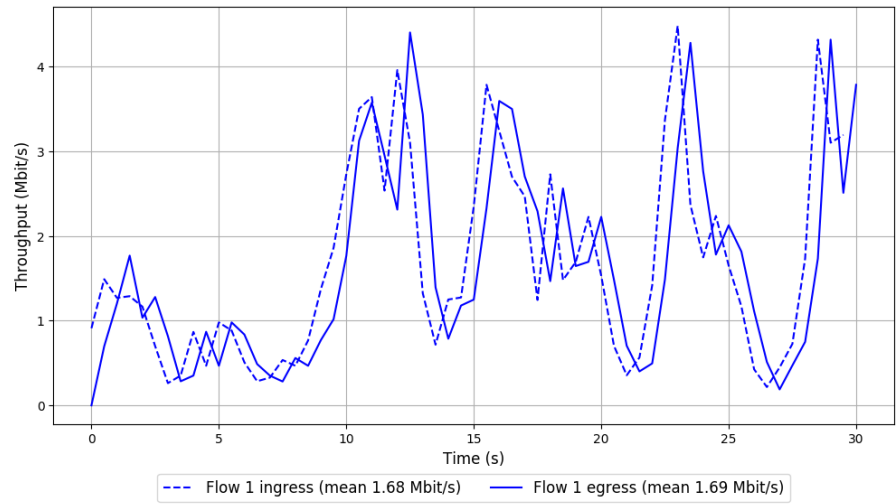


Run 2: Statistics of Sprout

Start at: 2018-05-24 00:13:06
End at: 2018-05-24 00:13:36
Local clock offset: -22.235 ms
Remote clock offset: 0.433 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.69 Mbit/s
95th percentile per-packet one-way delay: 52.744 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.69 Mbit/s
95th percentile per-packet one-way delay: 52.744 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

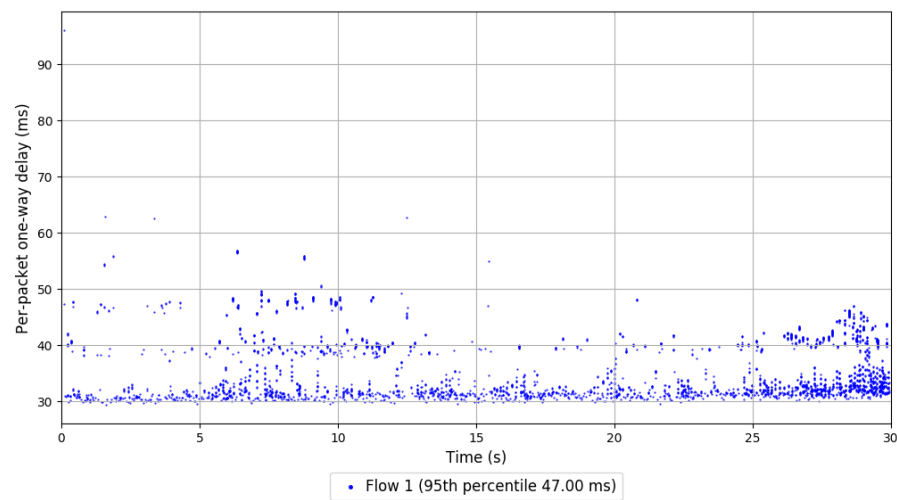
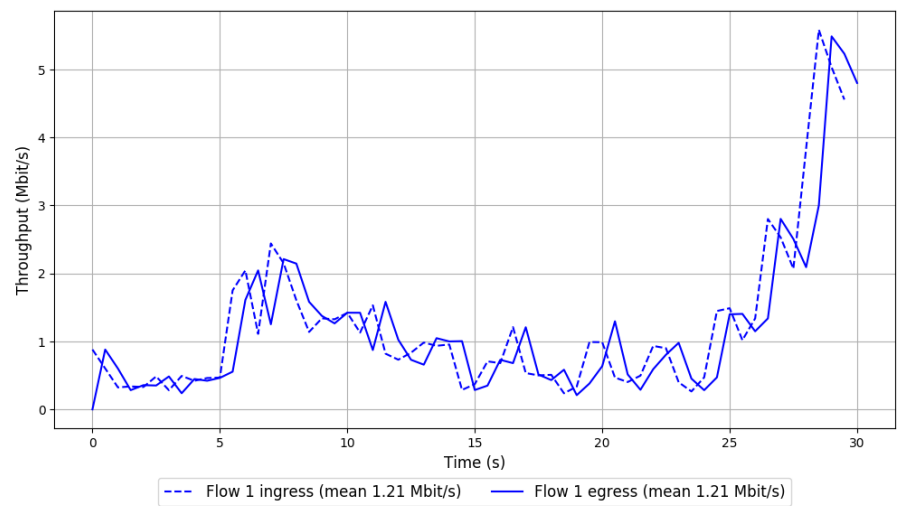


Run 3: Statistics of Sprout

Start at: 2018-05-24 00:34:03
End at: 2018-05-24 00:34:33
Local clock offset: -27.125 ms
Remote clock offset: 0.483 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 46.997 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 46.997 ms
Loss rate: 0.67%

Run 3: Report of Sprout — Data Link

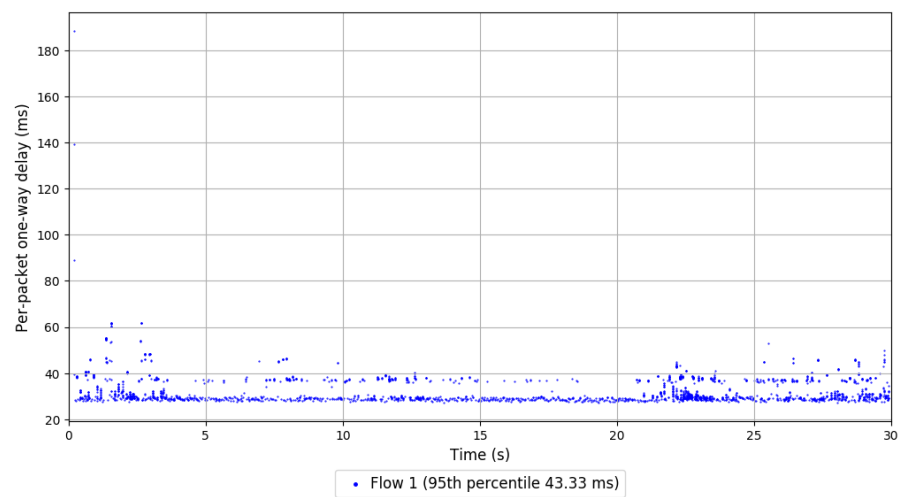
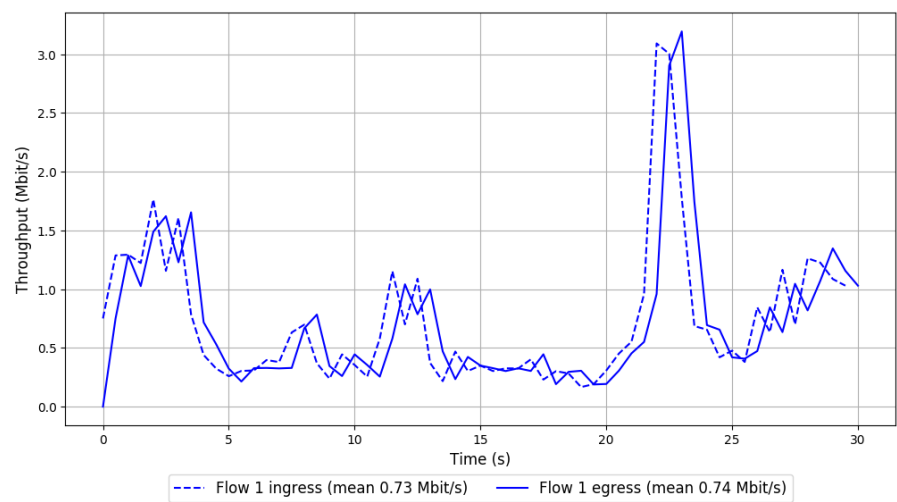


Run 4: Statistics of Sprout

Start at: 2018-05-24 00:55:02
End at: 2018-05-24 00:55:32
Local clock offset: -20.84 ms
Remote clock offset: 0.585 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 43.329 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 43.329 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-24 01:15:55

End at: 2018-05-24 01:16:25

Local clock offset: -9.599 ms

Remote clock offset: 0.233 ms

Below is generated by plot.py at 2018-05-24 03:25:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 45.739 ms

Loss rate: 0.00%

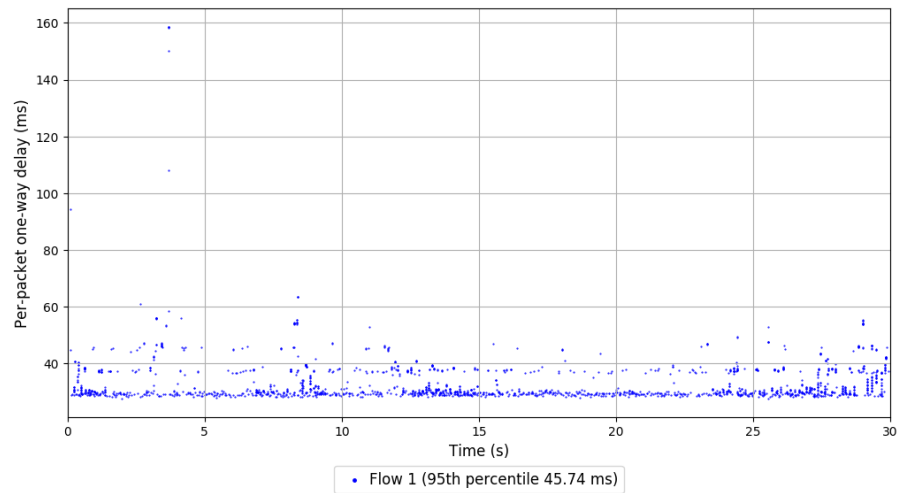
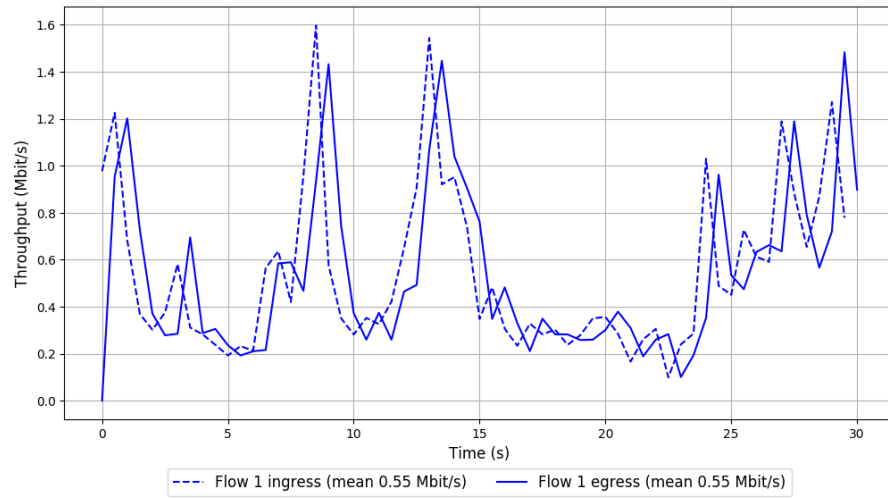
-- Flow 1:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 45.739 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-24 01:36:48

End at: 2018-05-24 01:37:18

Local clock offset: -6.344 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-05-24 03:25:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 48.297 ms

Loss rate: 0.00%

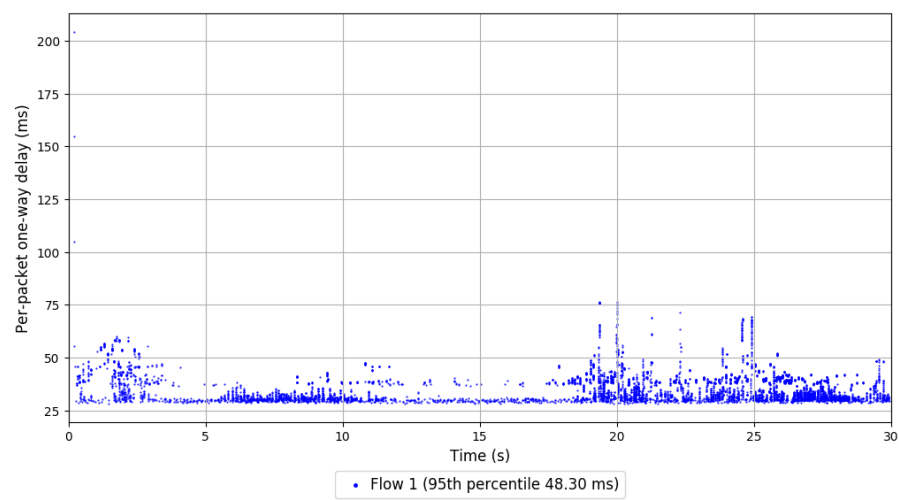
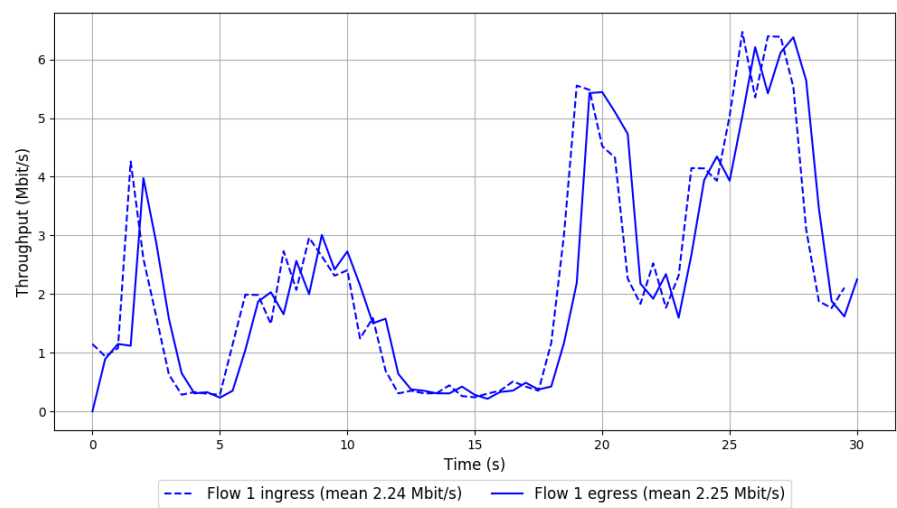
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 48.297 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

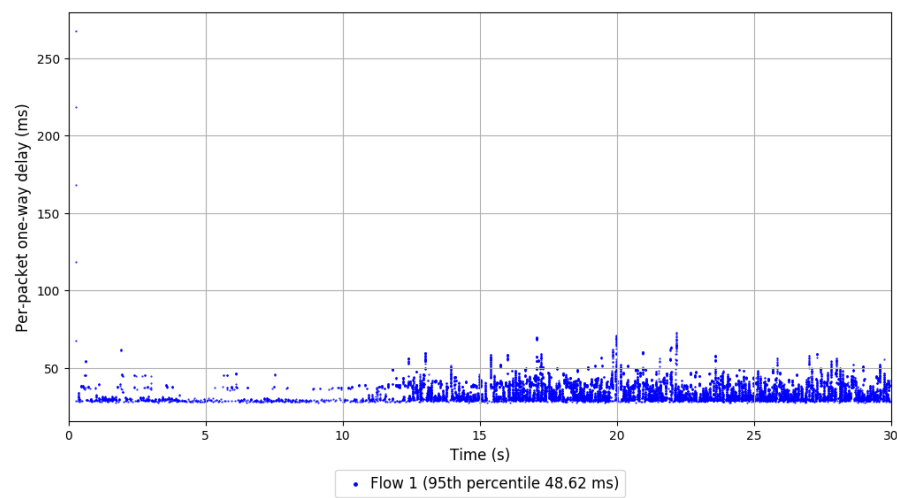
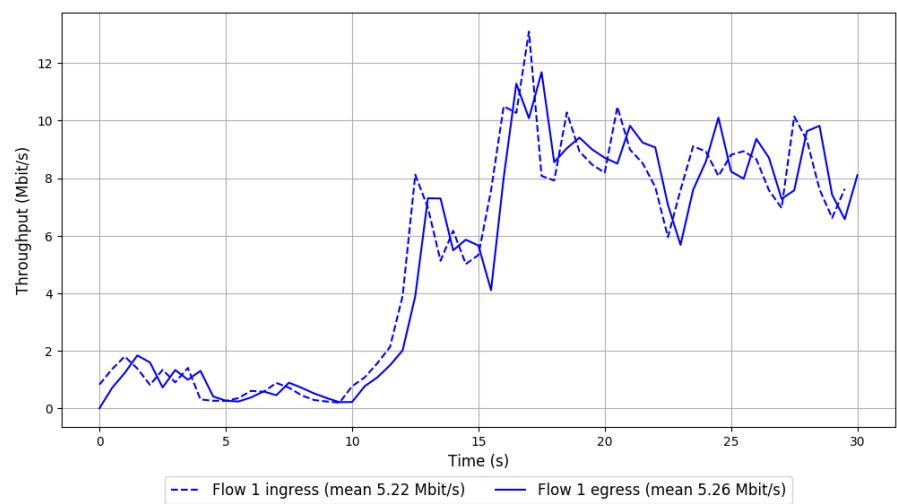


Run 7: Statistics of Sprout

Start at: 2018-05-24 01:57:40
End at: 2018-05-24 01:58:10
Local clock offset: -5.774 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.26 Mbit/s
95th percentile per-packet one-way delay: 48.619 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 5.26 Mbit/s
95th percentile per-packet one-way delay: 48.619 ms
Loss rate: 0.01%

Run 7: Report of Sprout — Data Link

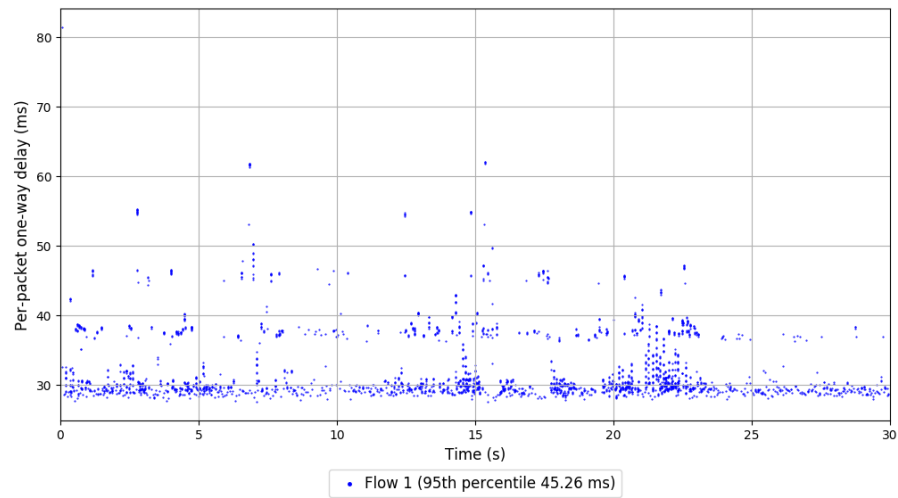
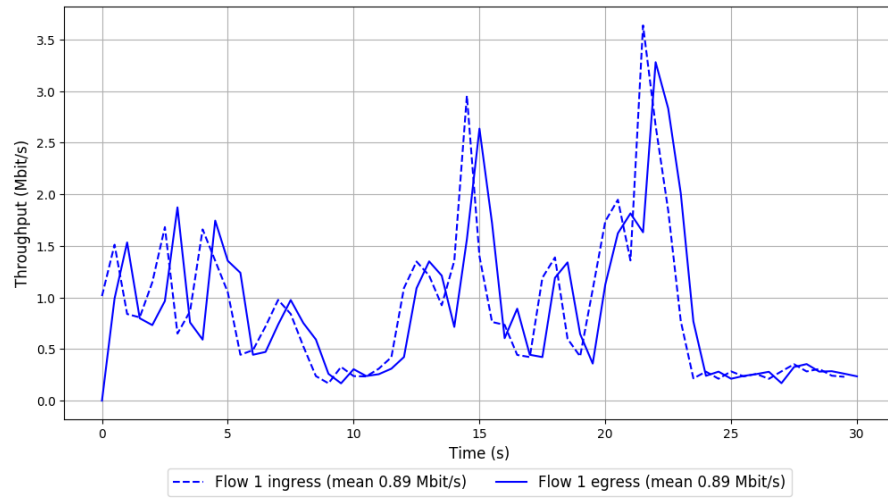


Run 8: Statistics of Sprout

Start at: 2018-05-24 02:18:36
End at: 2018-05-24 02:19:06
Local clock offset: -2.116 ms
Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 45.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 45.255 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

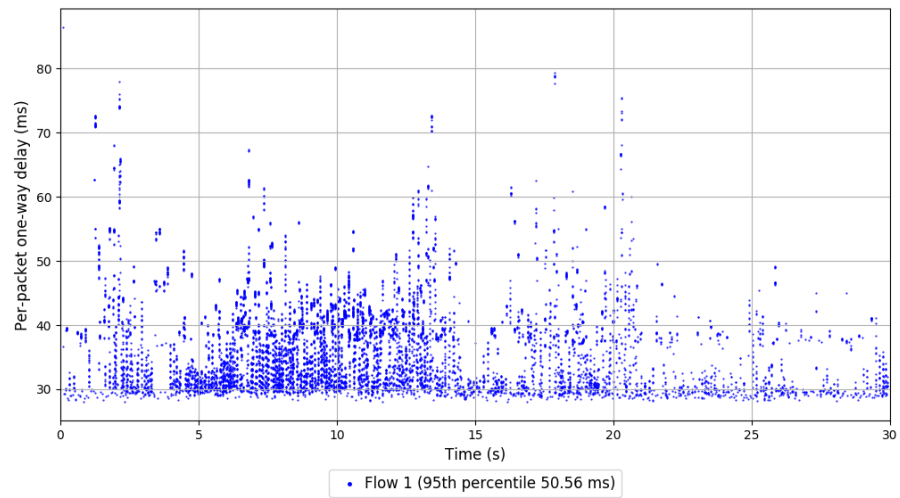
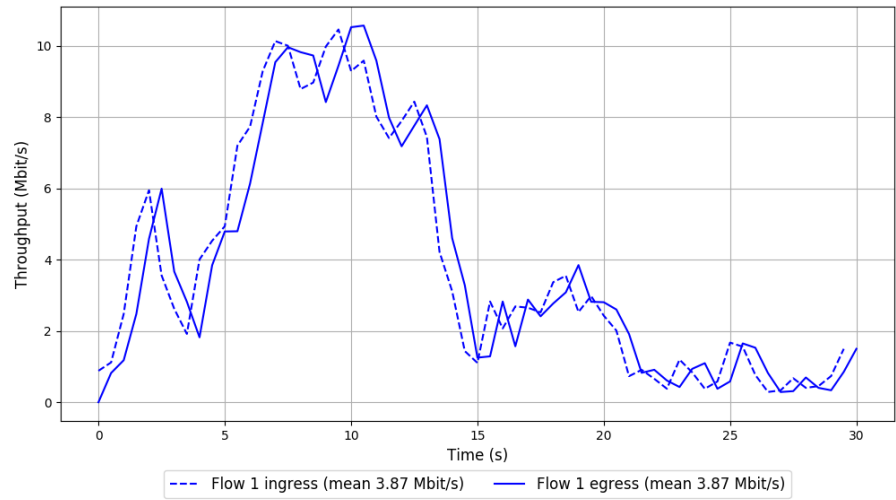


Run 9: Statistics of Sprout

Start at: 2018-05-24 02:39:29
End at: 2018-05-24 02:39:59
Local clock offset: -1.01 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 50.562 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 50.562 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

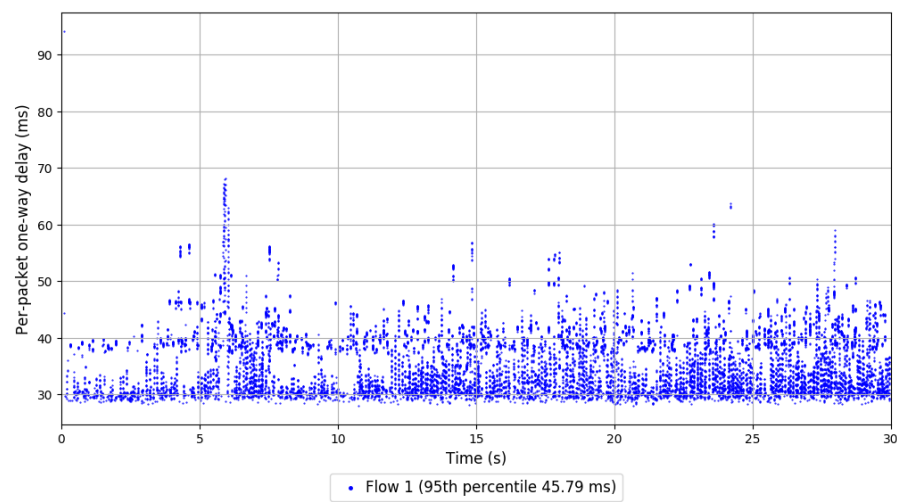
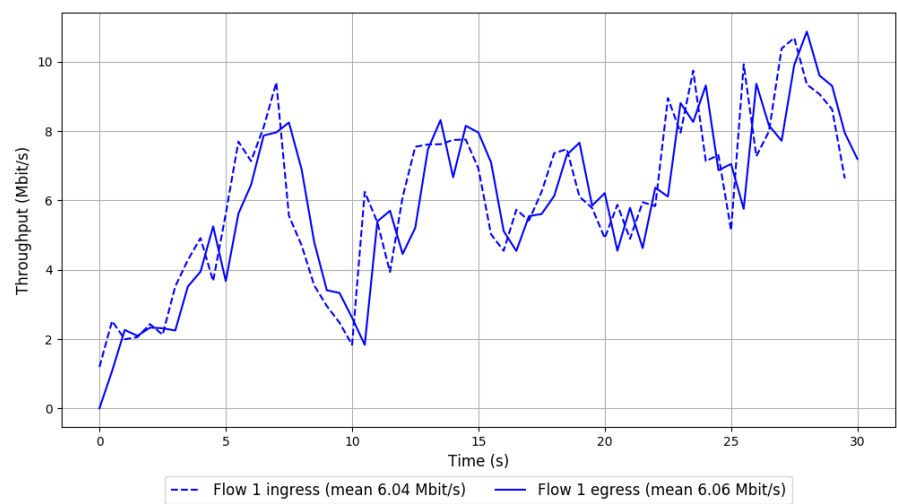


Run 10: Statistics of Sprout

Start at: 2018-05-24 03:00:27
End at: 2018-05-24 03:00:57
Local clock offset: -1.069 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.06 Mbit/s
95th percentile per-packet one-way delay: 45.790 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 6.06 Mbit/s
95th percentile per-packet one-way delay: 45.790 ms
Loss rate: 0.05%

Run 10: Report of Sprout — Data Link

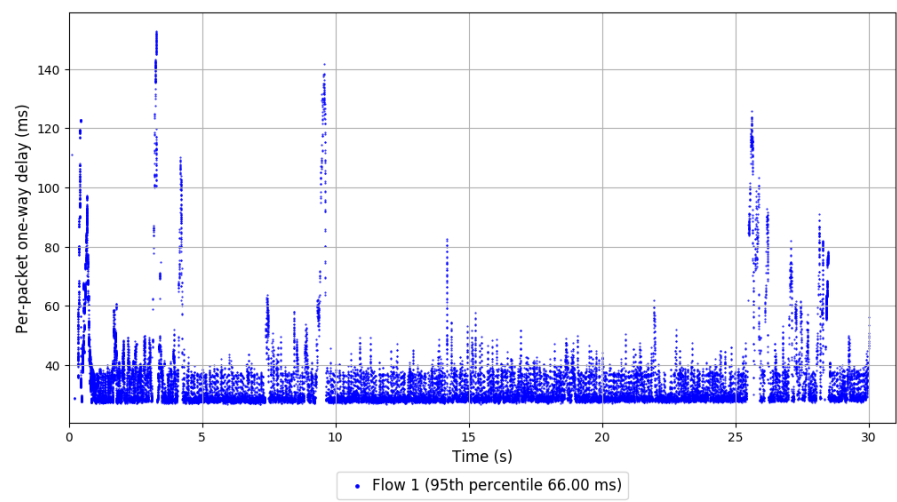
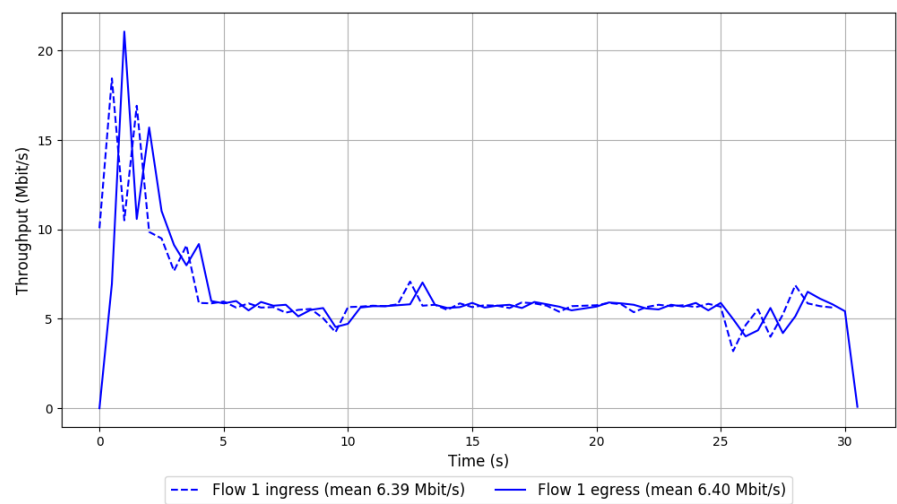


Run 1: Statistics of TaoVA-100x

Start at: 2018-05-23 23:58:45
End at: 2018-05-23 23:59:15
Local clock offset: -19.295 ms
Remote clock offset: 0.409 ms

Below is generated by plot.py at 2018-05-24 03:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 65.998 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 65.998 ms
Loss rate: 0.11%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-24 00:19:36

End at: 2018-05-24 00:20:06

Local clock offset: -29.26 ms

Remote clock offset: 0.569 ms

Below is generated by plot.py at 2018-05-24 03:25:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.50 Mbit/s

95th percentile per-packet one-way delay: 55.940 ms

Loss rate: 0.03%

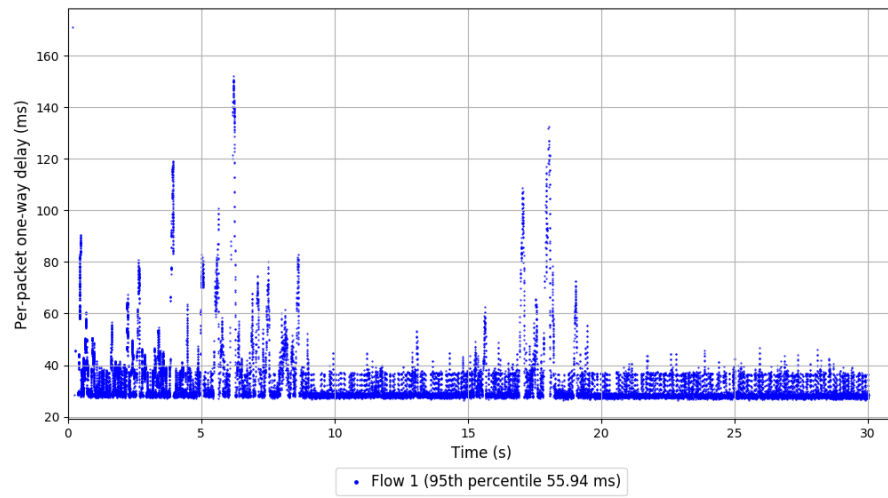
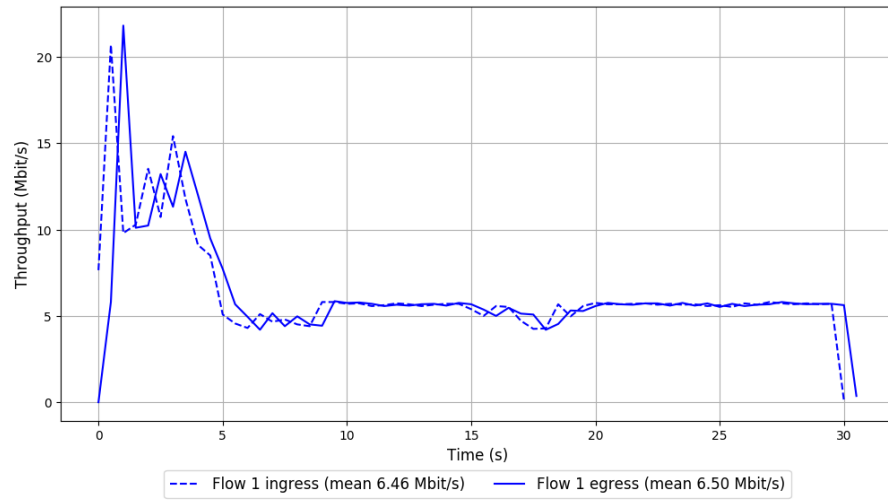
-- Flow 1:

Average throughput: 6.50 Mbit/s

95th percentile per-packet one-way delay: 55.940 ms

Loss rate: 0.03%

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

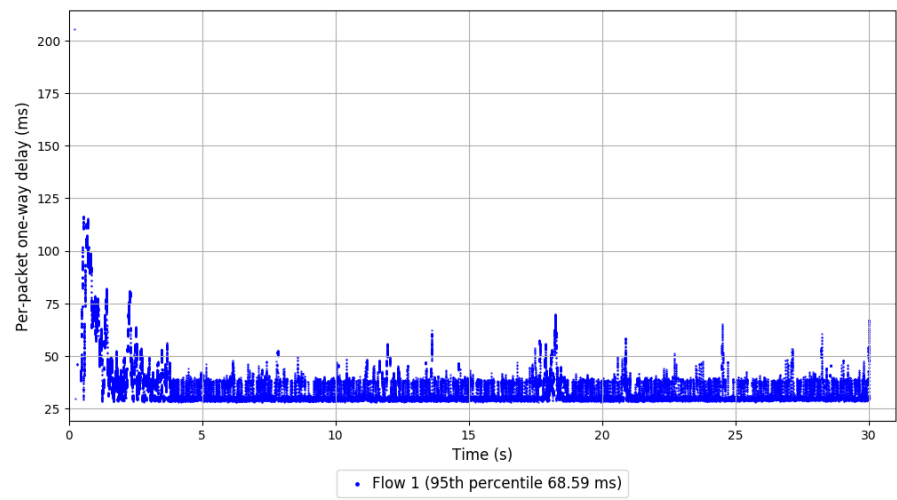
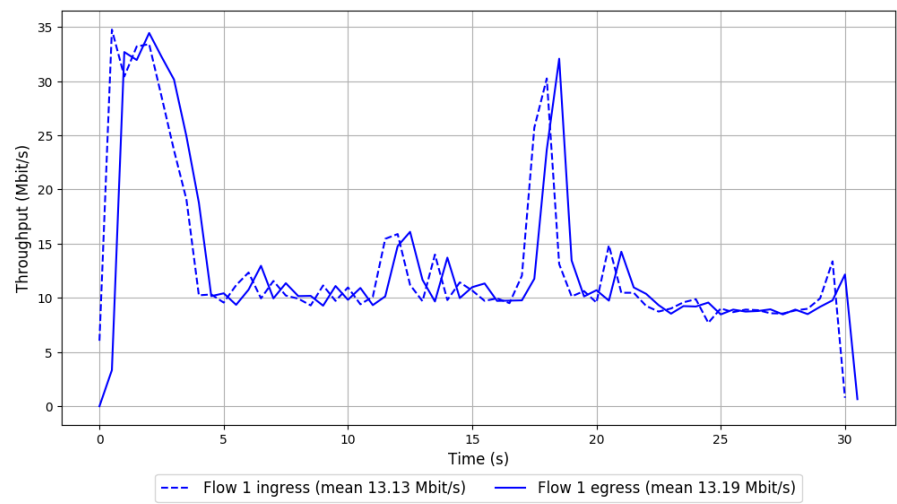


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-24 00:40:34
End at: 2018-05-24 00:41:04
Local clock offset: -19.056 ms
Remote clock offset: 0.484 ms

Below is generated by plot.py at 2018-05-24 03:25:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 68.587 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 68.587 ms
Loss rate: 0.25%

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

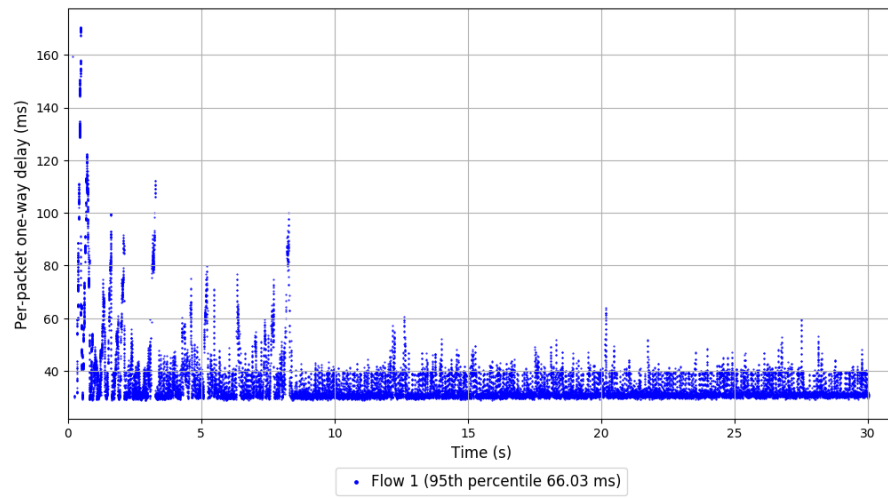
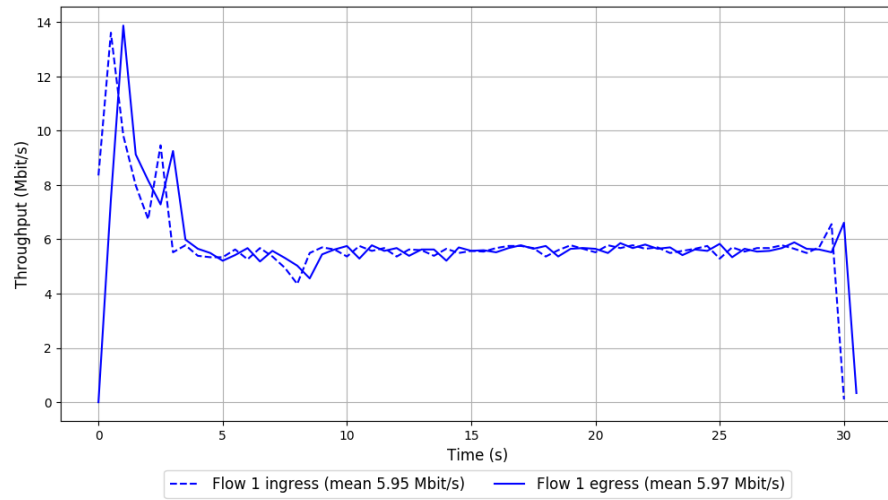


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-24 01:01:33
End at: 2018-05-24 01:02:03
Local clock offset: -18.731 ms
Remote clock offset: 0.459 ms

Below is generated by plot.py at 2018-05-24 03:25:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.97 Mbit/s
95th percentile per-packet one-way delay: 66.035 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 5.97 Mbit/s
95th percentile per-packet one-way delay: 66.035 ms
Loss rate: 0.04%

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

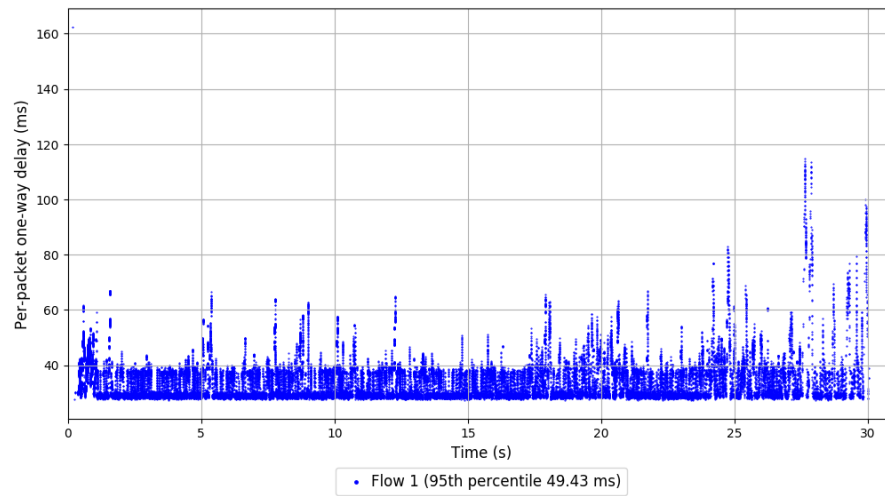
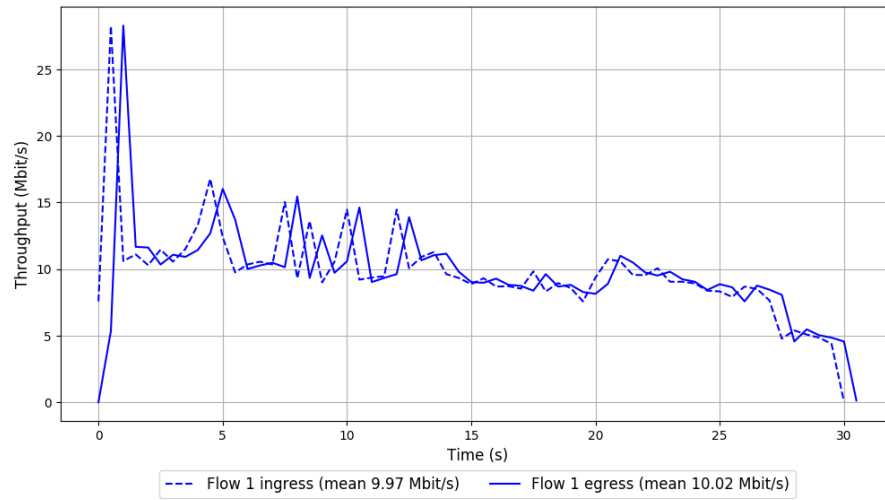


Run 5: Statistics of TaoVA-100x

Start at: 2018-05-24 01:22:26
End at: 2018-05-24 01:22:56
Local clock offset: -10.456 ms
Remote clock offset: 0.168 ms

Below is generated by plot.py at 2018-05-24 03:25:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 49.429 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 49.429 ms
Loss rate: 0.02%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-24 01:43:18

End at: 2018-05-24 01:43:48

Local clock offset: -4.814 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-05-24 03:25:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.15 Mbit/s

95th percentile per-packet one-way delay: 71.547 ms

Loss rate: 0.02%

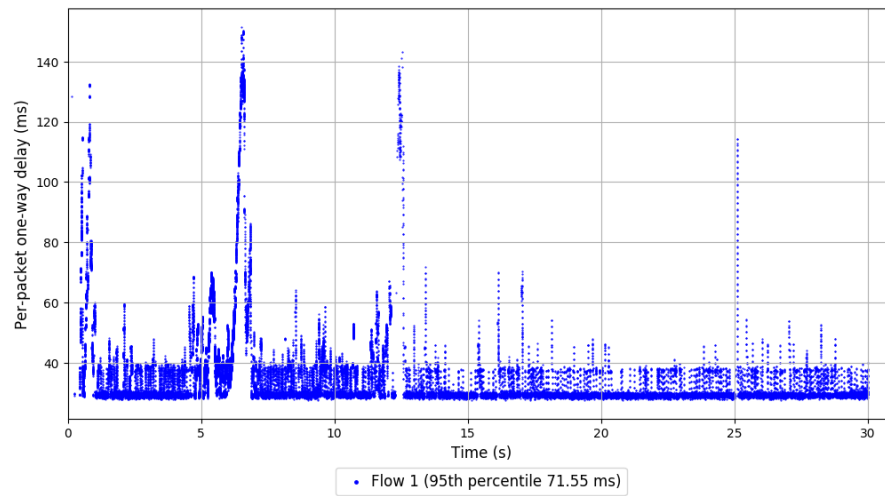
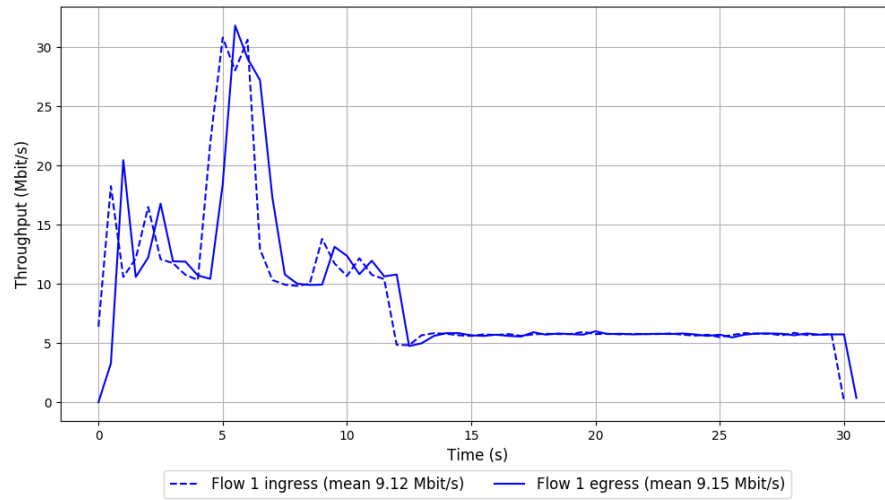
-- Flow 1:

Average throughput: 9.15 Mbit/s

95th percentile per-packet one-way delay: 71.547 ms

Loss rate: 0.02%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-24 02:04:11

End at: 2018-05-24 02:04:41

Local clock offset: -3.611 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-05-24 03:25:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.33 Mbit/s

95th percentile per-packet one-way delay: 123.194 ms

Loss rate: 0.10%

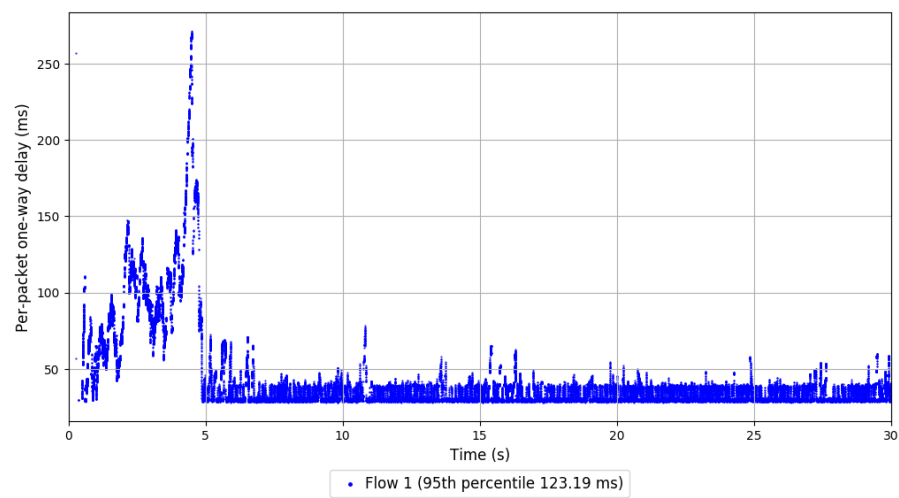
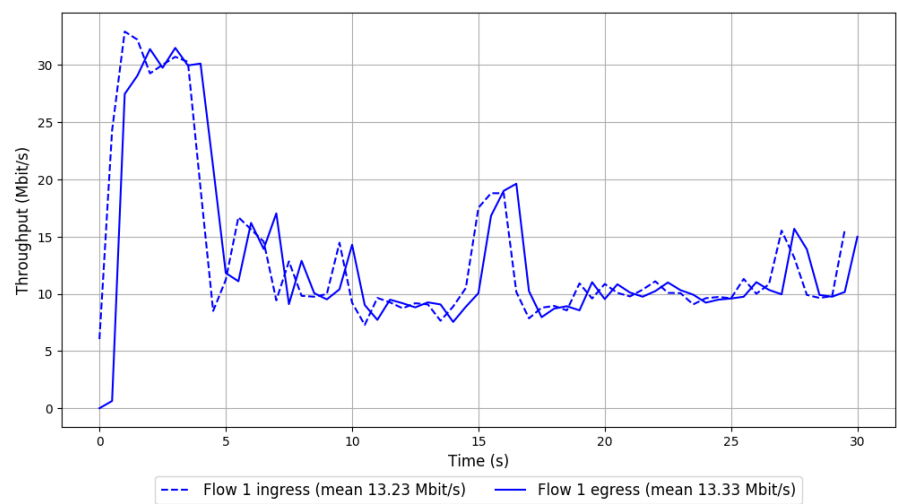
-- Flow 1:

Average throughput: 13.33 Mbit/s

95th percentile per-packet one-way delay: 123.194 ms

Loss rate: 0.10%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-24 02:25:06

End at: 2018-05-24 02:25:36

Local clock offset: -2.49 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-05-24 03:25:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.76 Mbit/s

95th percentile per-packet one-way delay: 54.509 ms

Loss rate: 0.03%

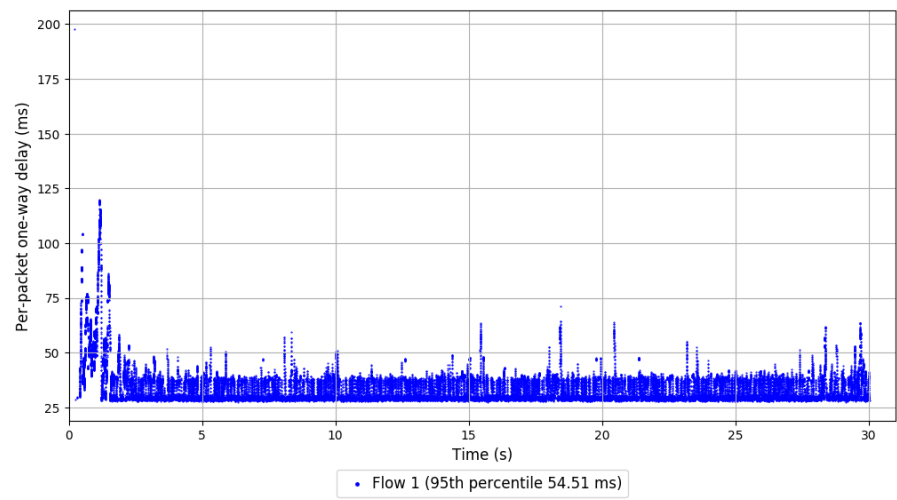
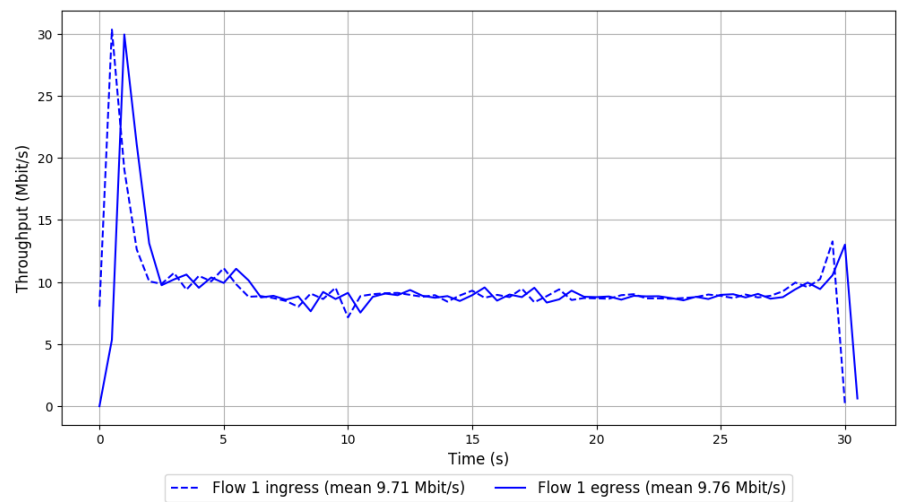
-- Flow 1:

Average throughput: 9.76 Mbit/s

95th percentile per-packet one-way delay: 54.509 ms

Loss rate: 0.03%

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

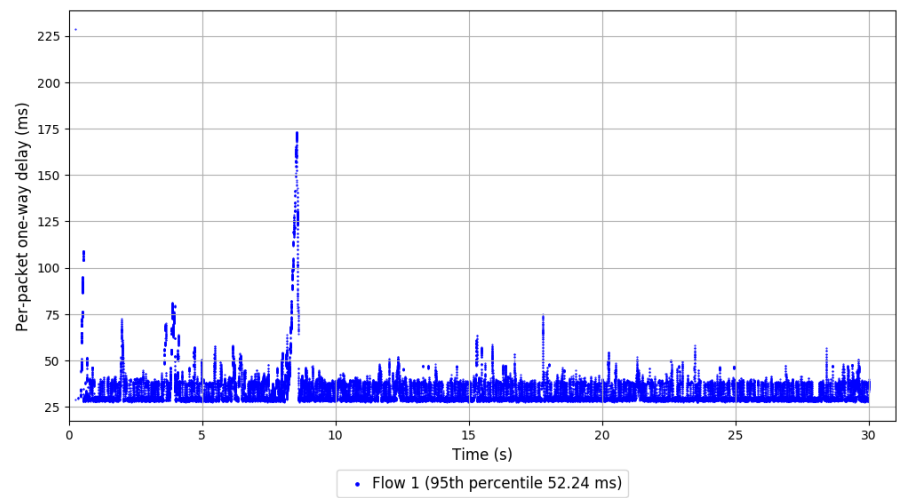
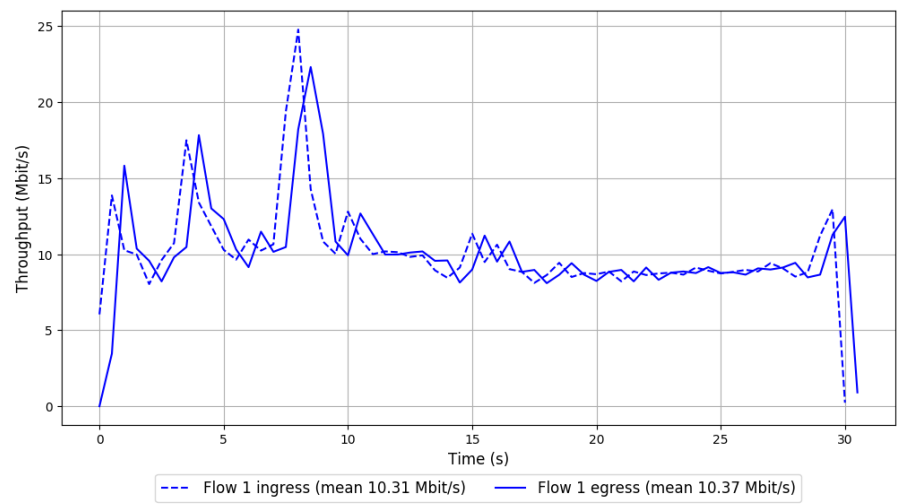


Run 9: Statistics of TaoVA-100x

Start at: 2018-05-24 02:46:00
End at: 2018-05-24 02:46:30
Local clock offset: -0.718 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-05-24 03:25:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.37 Mbit/s
95th percentile per-packet one-way delay: 52.237 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 10.37 Mbit/s
95th percentile per-packet one-way delay: 52.237 ms
Loss rate: 0.06%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-24 03:06:58

End at: 2018-05-24 03:07:28

Local clock offset: -0.327 ms

Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-05-24 03:25:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 45.982 ms

Loss rate: 0.02%

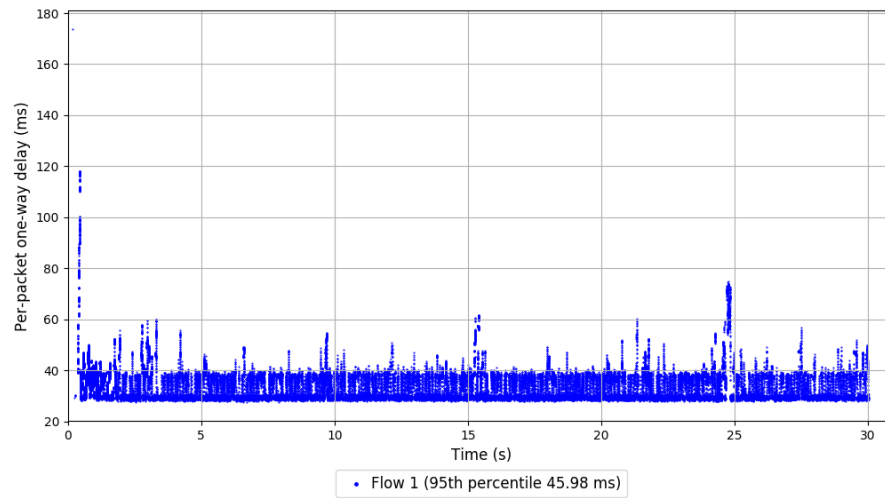
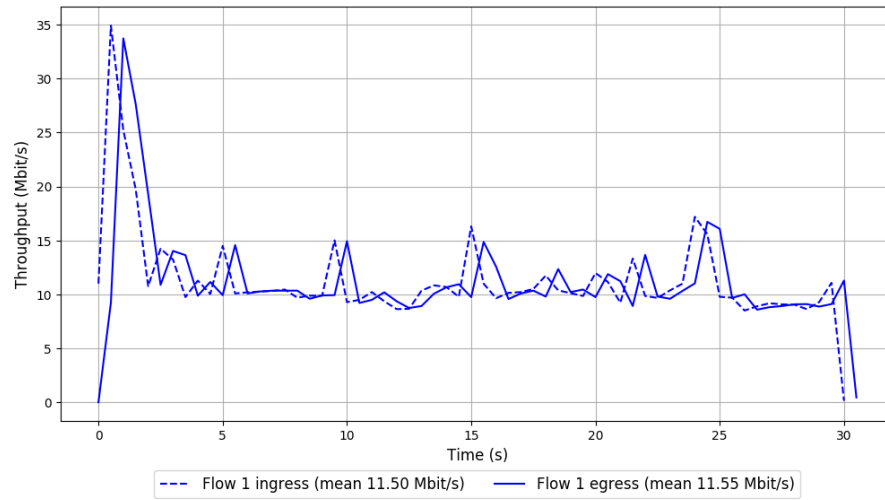
-- Flow 1:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 45.982 ms

Loss rate: 0.02%

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

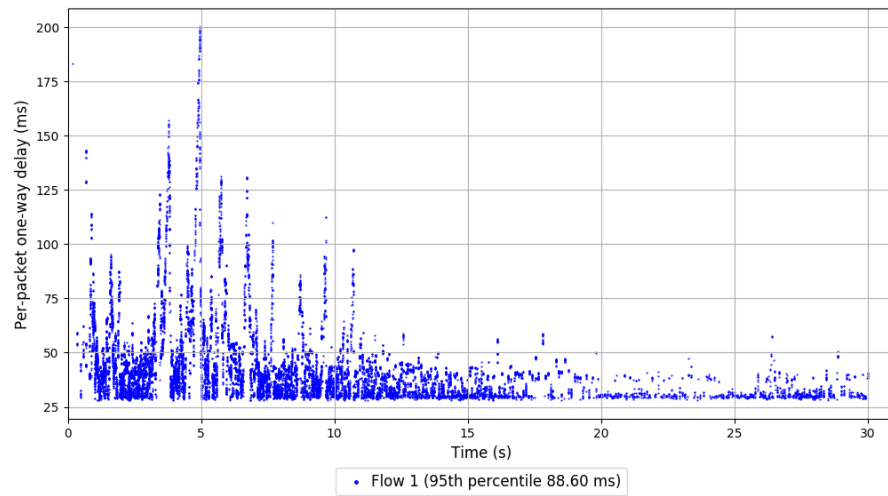
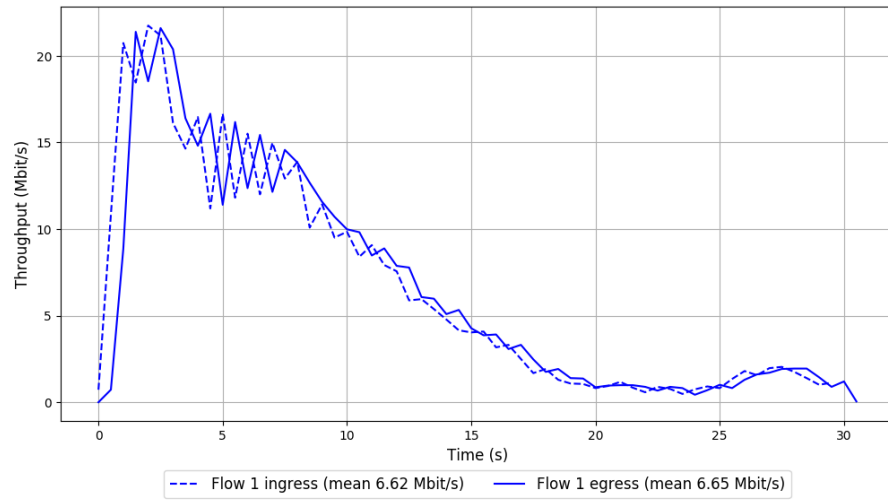


Run 1: Statistics of TCP Vegas

Start at: 2018-05-24 00:03:58
End at: 2018-05-24 00:04:28
Local clock offset: -17.846 ms
Remote clock offset: 0.412 ms

Below is generated by plot.py at 2018-05-24 03:25:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 88.601 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 88.601 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

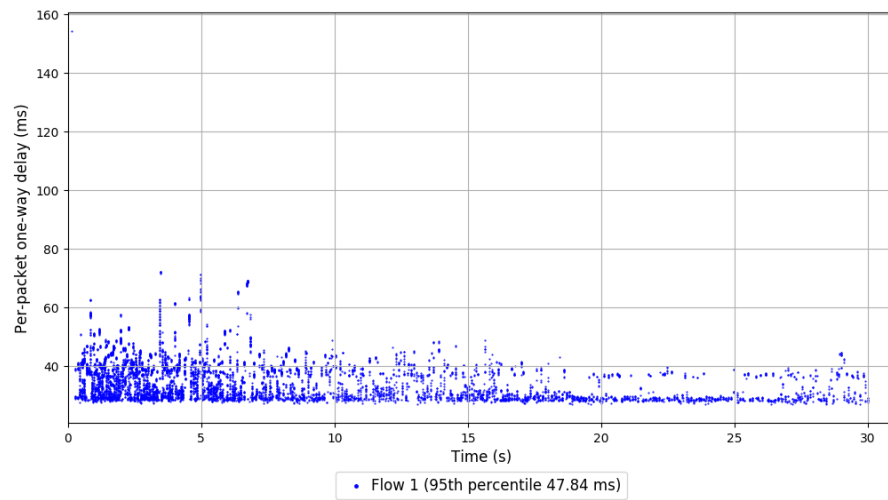
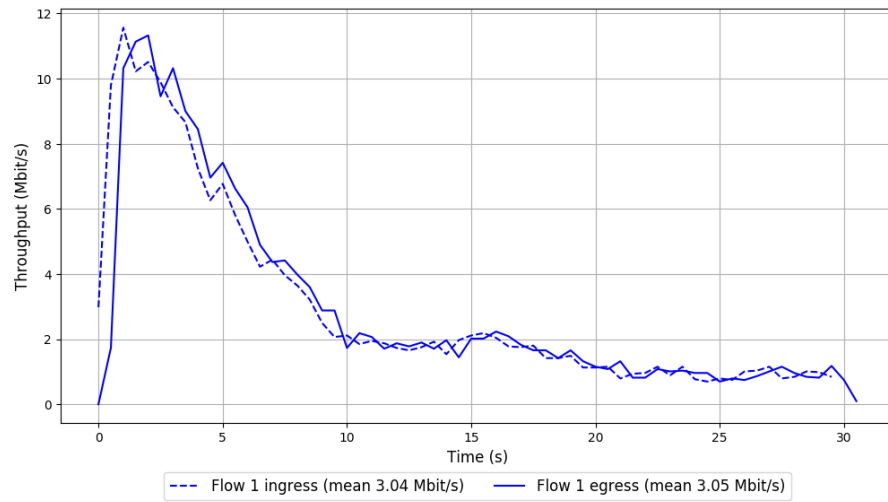


Run 2: Statistics of TCP Vegas

Start at: 2018-05-24 00:24:53
End at: 2018-05-24 00:25:23
Local clock offset: -35.377 ms
Remote clock offset: 0.514 ms

Below is generated by plot.py at 2018-05-24 03:25:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 47.837 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 47.837 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

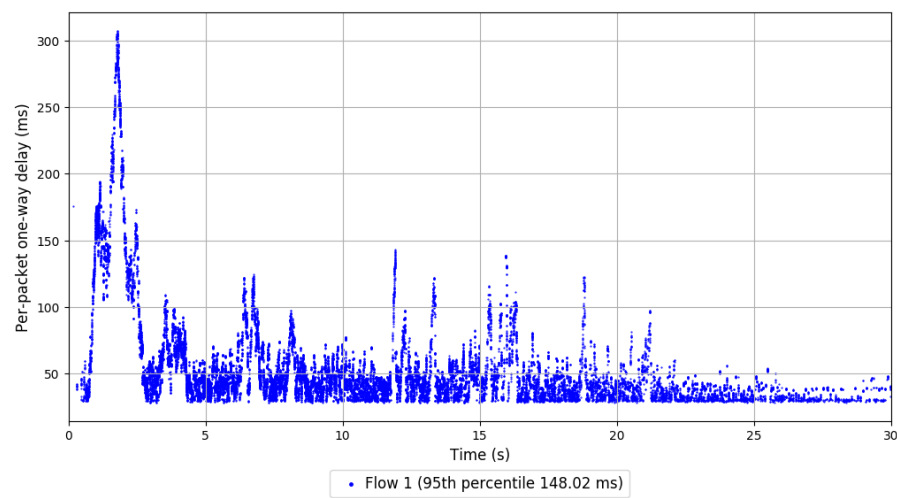
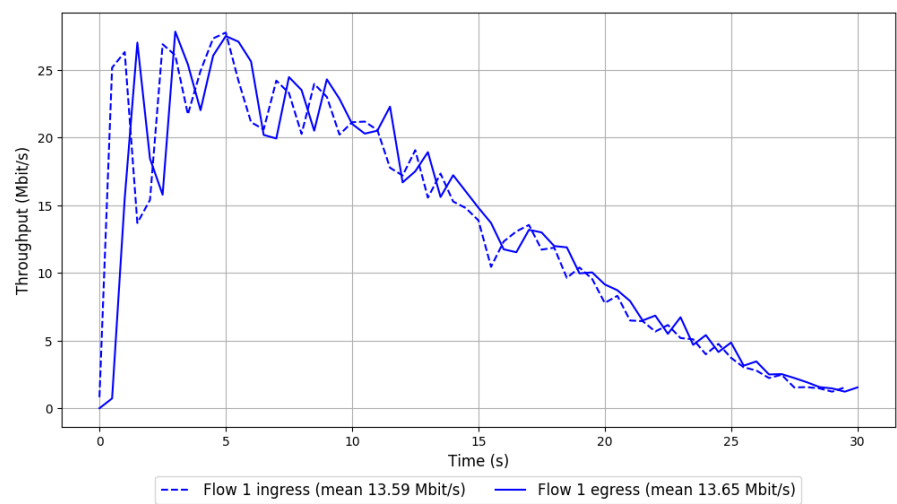


Run 3: Statistics of TCP Vegas

Start at: 2018-05-24 00:45:47
End at: 2018-05-24 00:46:17
Local clock offset: -17.877 ms
Remote clock offset: 0.555 ms

Below is generated by plot.py at 2018-05-24 03:25:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 148.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 148.020 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

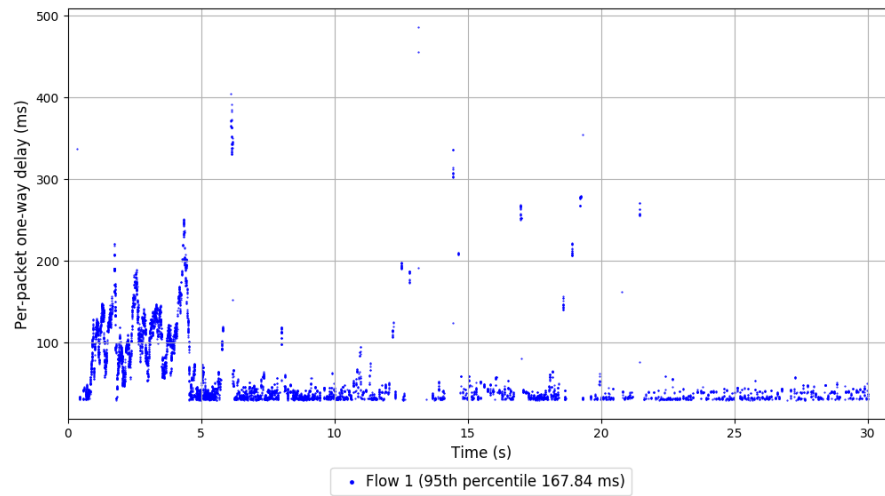
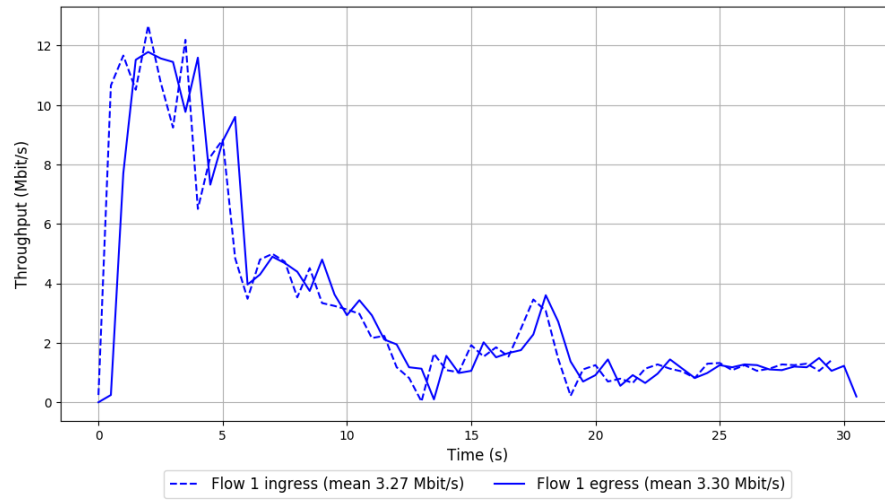


Run 4: Statistics of TCP Vegas

Start at: 2018-05-24 01:06:46
End at: 2018-05-24 01:07:16
Local clock offset: -12.557 ms
Remote clock offset: 0.358 ms

Below is generated by plot.py at 2018-05-24 03:25:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 167.845 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 167.845 ms
Loss rate: 0.06%

Run 4: Report of TCP Vegas — Data Link

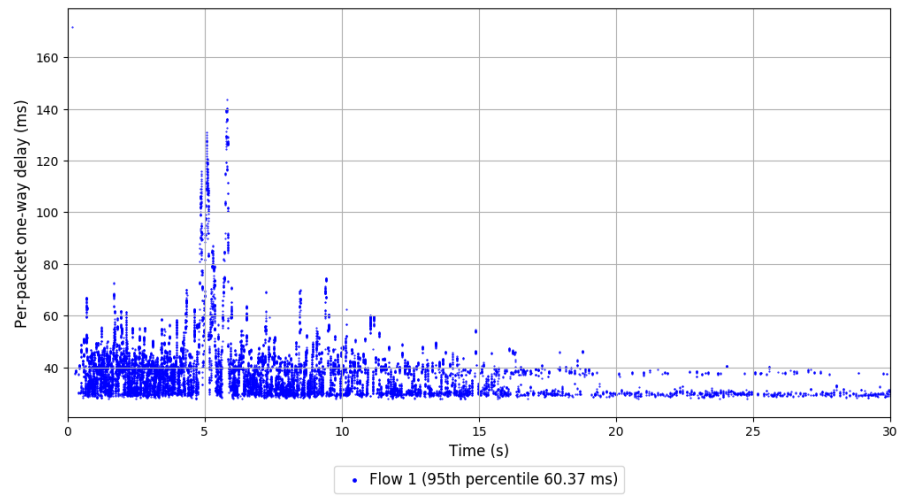
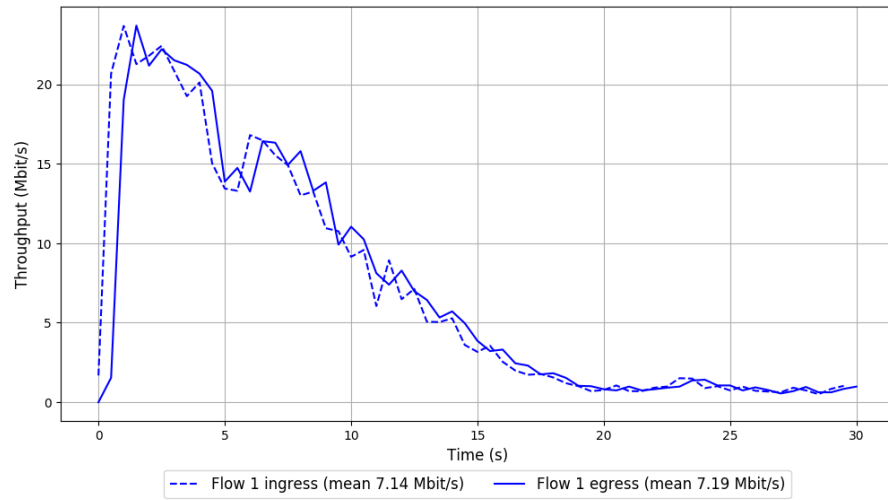


Run 5: Statistics of TCP Vegas

Start at: 2018-05-24 01:27:39
End at: 2018-05-24 01:28:09
Local clock offset: -11.825 ms
Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-05-24 03:25:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 60.365 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 60.365 ms
Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-24 01:48:31

End at: 2018-05-24 01:49:01

Local clock offset: -4.673 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-05-24 03:25:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.60 Mbit/s

95th percentile per-packet one-way delay: 153.169 ms

Loss rate: 0.01%

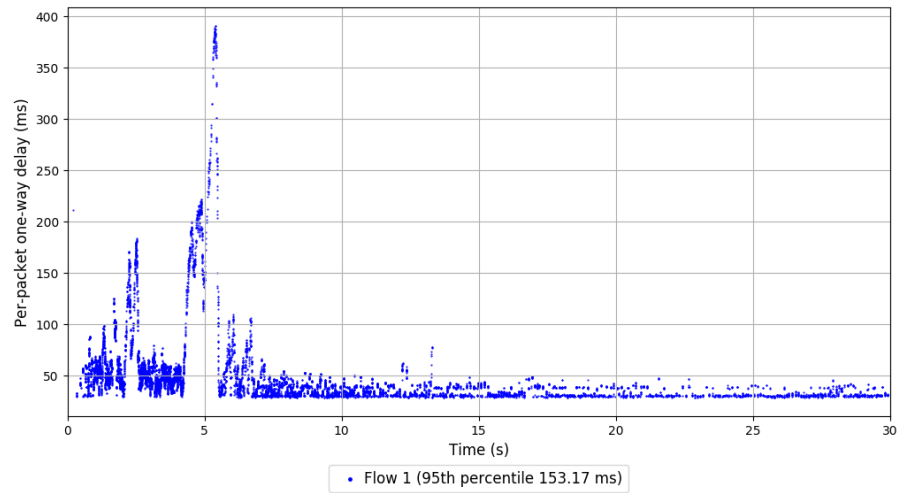
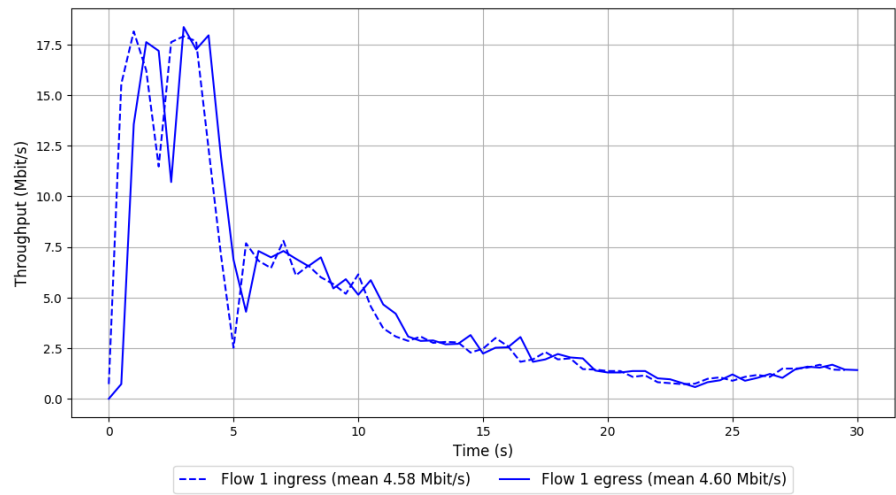
-- Flow 1:

Average throughput: 4.60 Mbit/s

95th percentile per-packet one-way delay: 153.169 ms

Loss rate: 0.01%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

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

End at: 2018-05-24 02:09:54

Local clock offset: -2.438 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-05-24 03:25:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.74 Mbit/s

95th percentile per-packet one-way delay: 162.028 ms

Loss rate: 0.00%

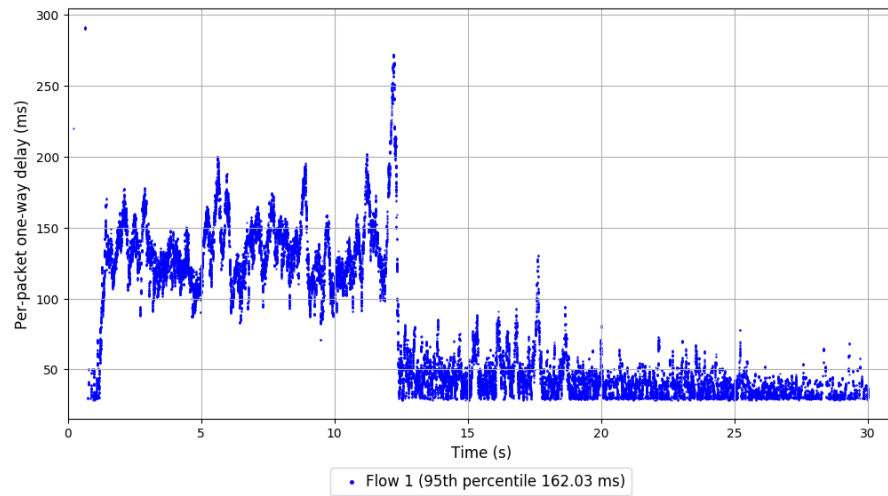
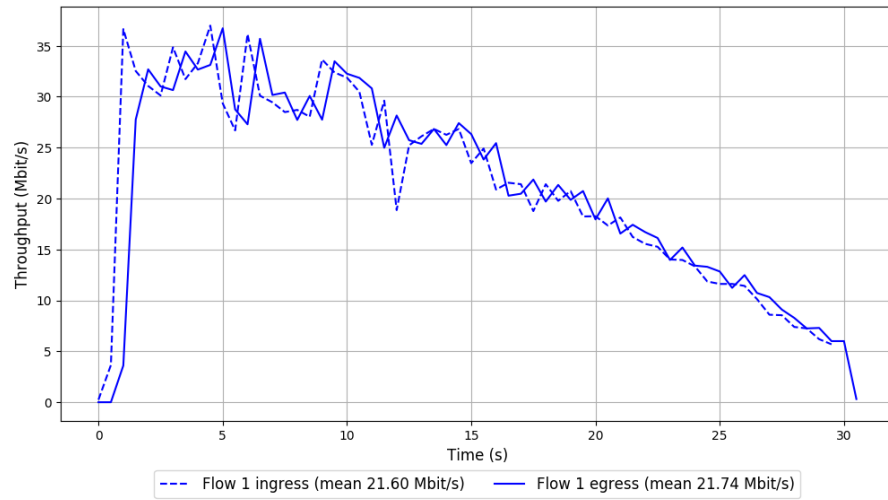
-- Flow 1:

Average throughput: 21.74 Mbit/s

95th percentile per-packet one-way delay: 162.028 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

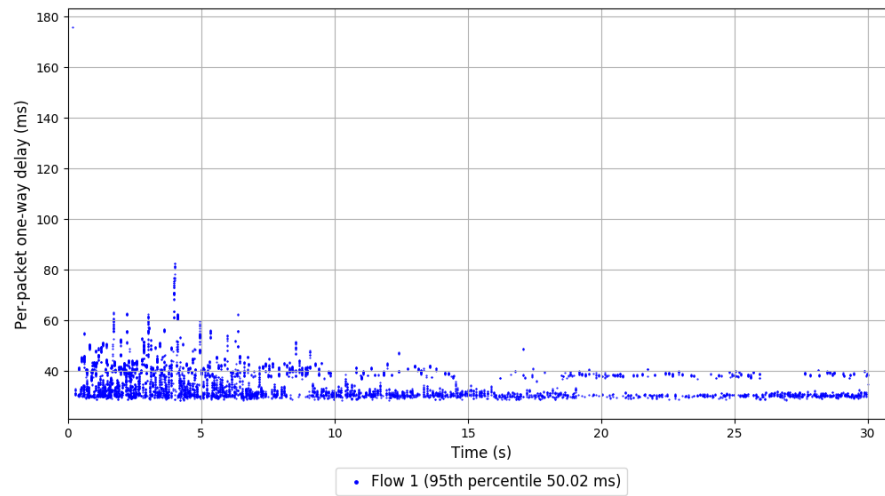
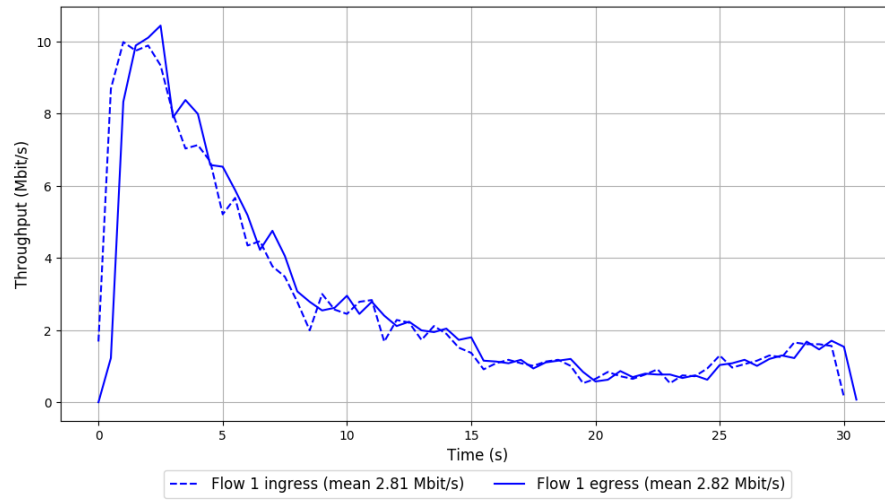


Run 8: Statistics of TCP Vegas

Start at: 2018-05-24 02:30:20
End at: 2018-05-24 02:30:50
Local clock offset: -2.623 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-24 03:25:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 50.016 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 50.016 ms
Loss rate: 0.09%

Run 8: Report of TCP Vegas — Data Link

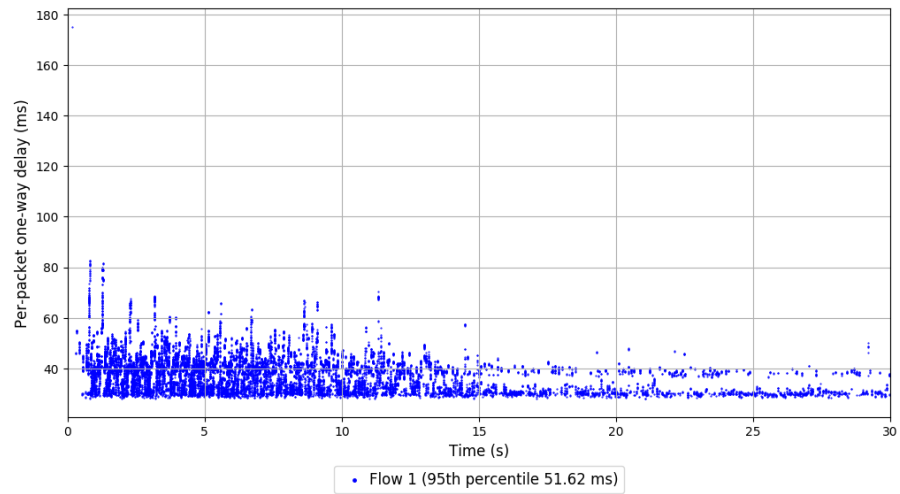
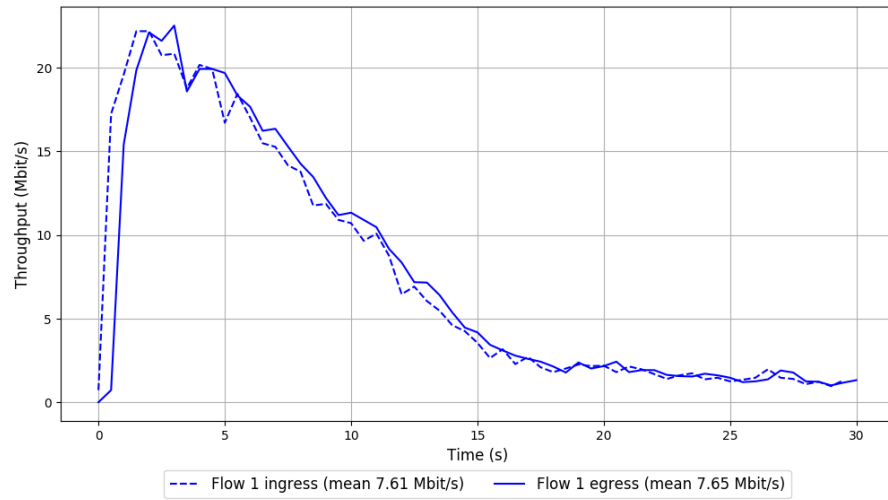


Run 9: Statistics of TCP Vegas

Start at: 2018-05-24 02:51:14
End at: 2018-05-24 02:51:44
Local clock offset: -0.817 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-24 03:25:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.65 Mbit/s
95th percentile per-packet one-way delay: 51.619 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.65 Mbit/s
95th percentile per-packet one-way delay: 51.619 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

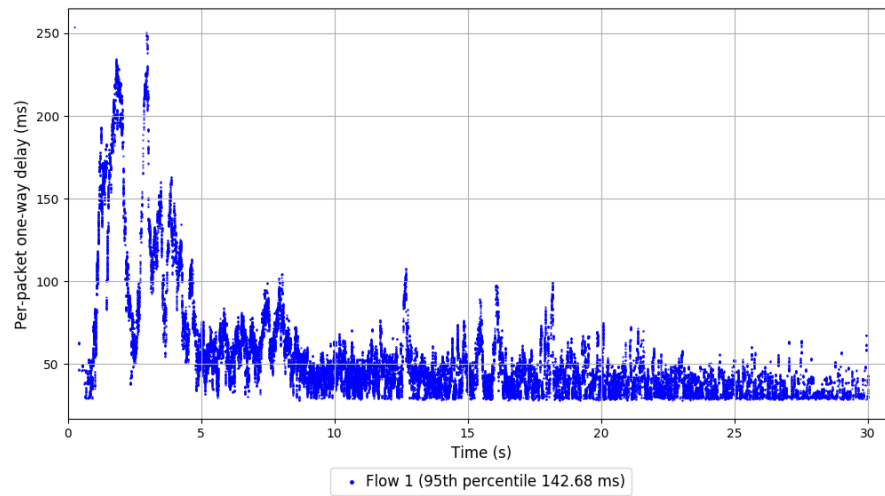
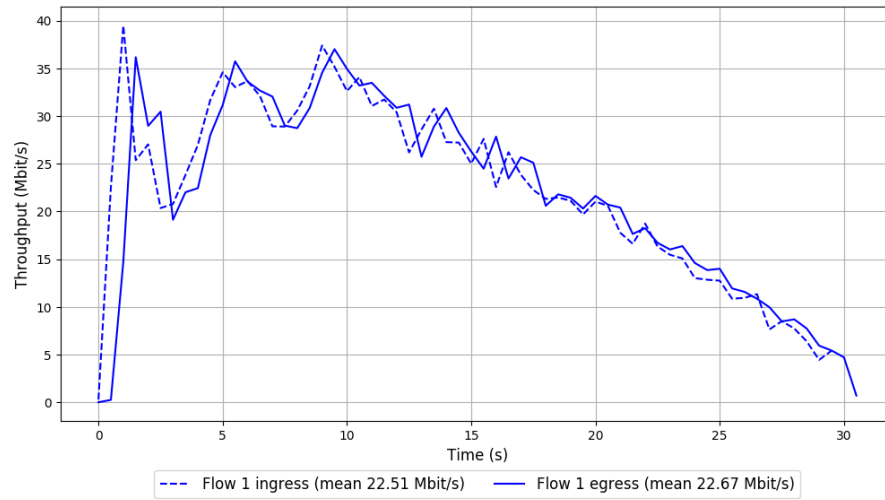


Run 10: Statistics of TCP Vegas

Start at: 2018-05-24 03:12:12
End at: 2018-05-24 03:12:42
Local clock offset: -0.144 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-05-24 03:25:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.67 Mbit/s
95th percentile per-packet one-way delay: 142.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.67 Mbit/s
95th percentile per-packet one-way delay: 142.679 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

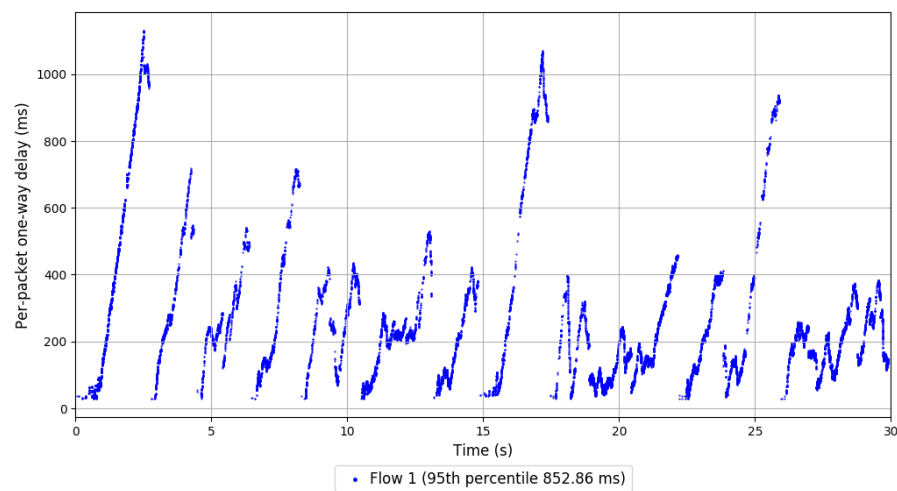
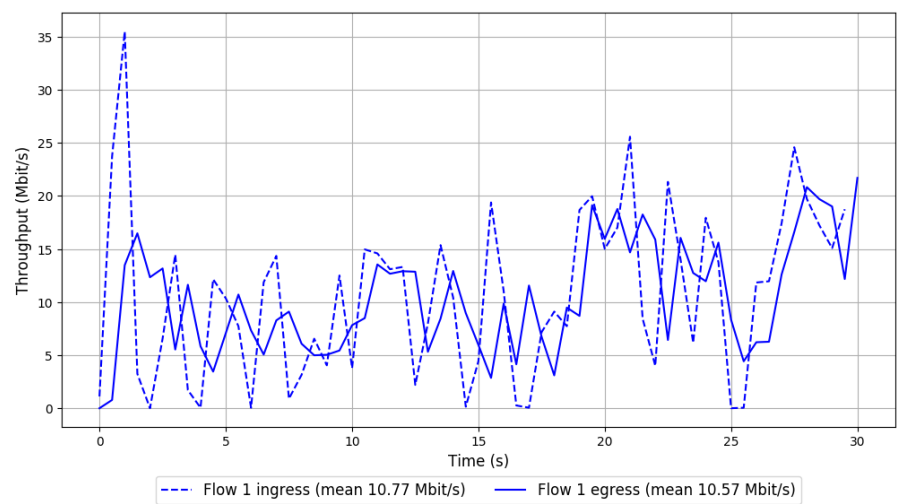


Run 1: Statistics of Verus

Start at: 2018-05-24 00:06:34
End at: 2018-05-24 00:07:04
Local clock offset: -18.159 ms
Remote clock offset: 0.431 ms

Below is generated by plot.py at 2018-05-24 03:25:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.57 Mbit/s
95th percentile per-packet one-way delay: 852.860 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 10.57 Mbit/s
95th percentile per-packet one-way delay: 852.860 ms
Loss rate: 1.88%

Run 1: Report of Verus — Data Link

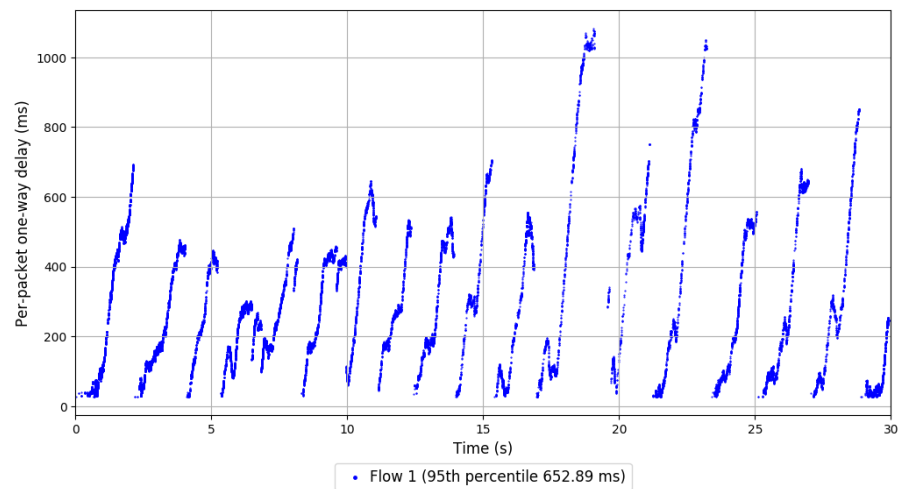
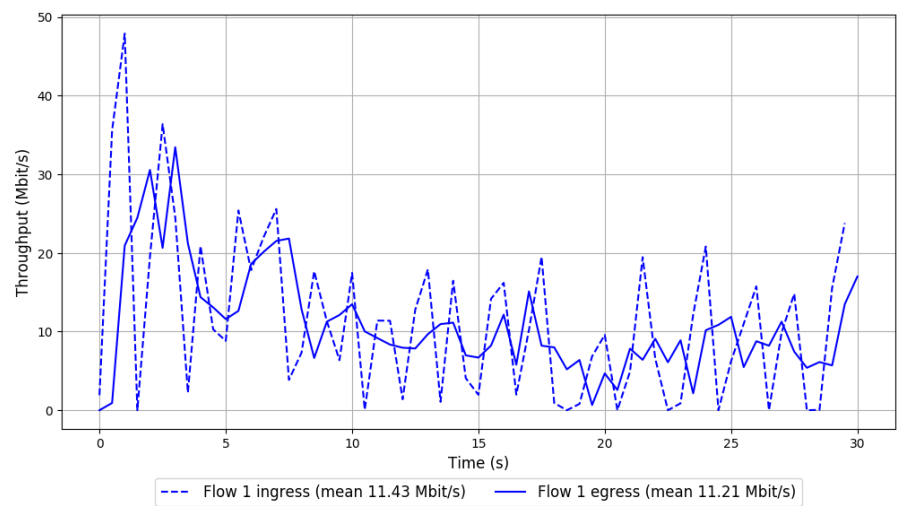


Run 2: Statistics of Verus

Start at: 2018-05-24 00:27:30
End at: 2018-05-24 00:28:00
Local clock offset: -39.041 ms
Remote clock offset: 0.492 ms

Below is generated by plot.py at 2018-05-24 03:25:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.21 Mbit/s
95th percentile per-packet one-way delay: 652.891 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 11.21 Mbit/s
95th percentile per-packet one-way delay: 652.891 ms
Loss rate: 1.93%

Run 2: Report of Verus — Data Link

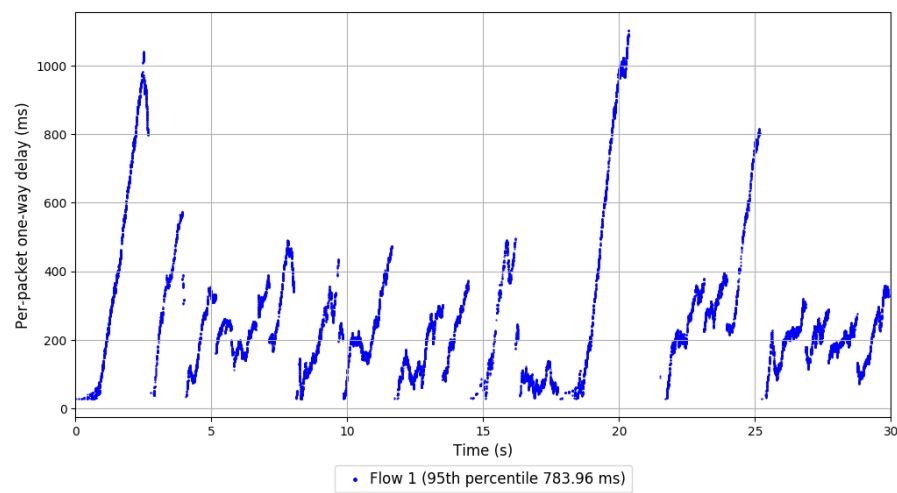
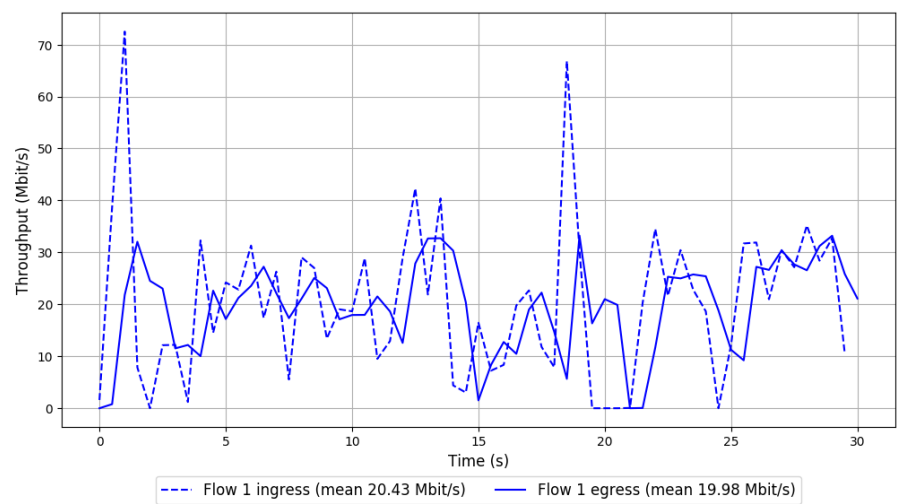


Run 3: Statistics of Verus

Start at: 2018-05-24 00:48:25
End at: 2018-05-24 00:48:55
Local clock offset: -18.235 ms
Remote clock offset: 0.572 ms

Below is generated by plot.py at 2018-05-24 03:25:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.98 Mbit/s
95th percentile per-packet one-way delay: 783.962 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 19.98 Mbit/s
95th percentile per-packet one-way delay: 783.962 ms
Loss rate: 2.23%

Run 3: Report of Verus — Data Link

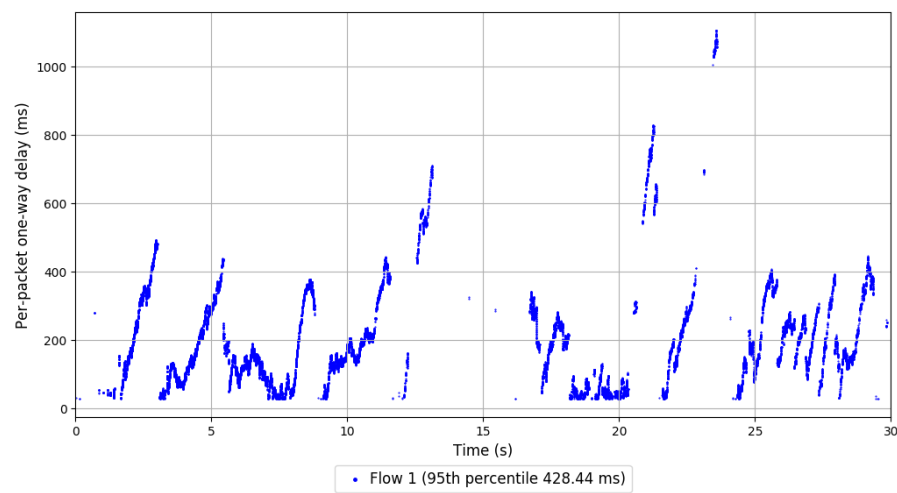
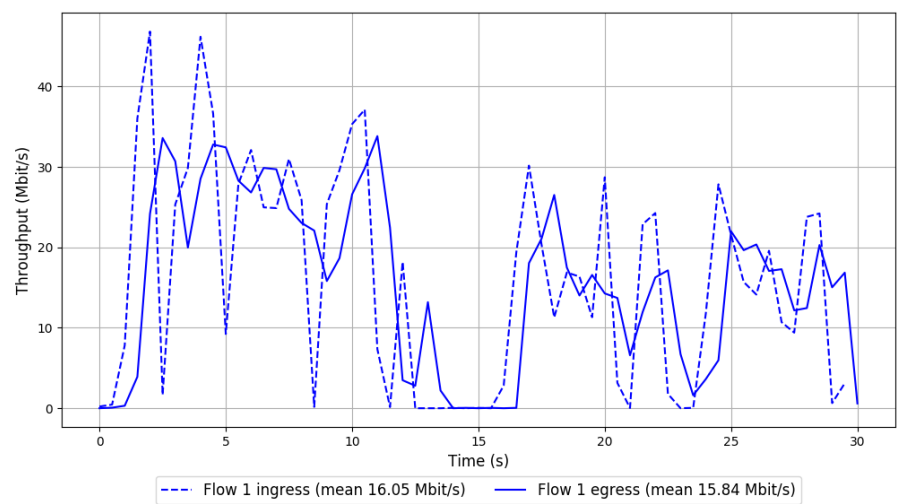


Run 4: Statistics of Verus

Start at: 2018-05-24 01:09:23
End at: 2018-05-24 01:09:53
Local clock offset: -10.835 ms
Remote clock offset: 0.272 ms

Below is generated by plot.py at 2018-05-24 03:25:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.84 Mbit/s
95th percentile per-packet one-way delay: 428.445 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 15.84 Mbit/s
95th percentile per-packet one-way delay: 428.445 ms
Loss rate: 0.70%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-05-24 01:30:15

End at: 2018-05-24 01:30:45

Local clock offset: -11.51 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-05-24 03:26:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.01 Mbit/s

95th percentile per-packet one-way delay: 428.862 ms

Loss rate: 0.07%

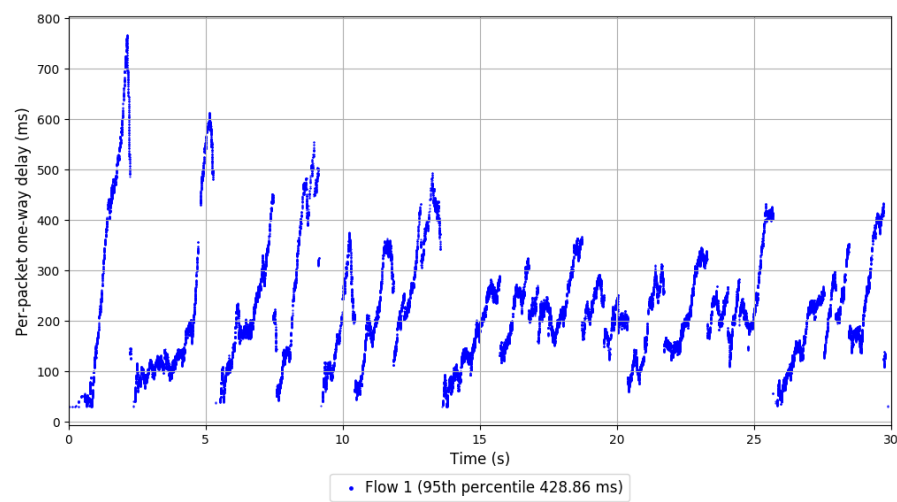
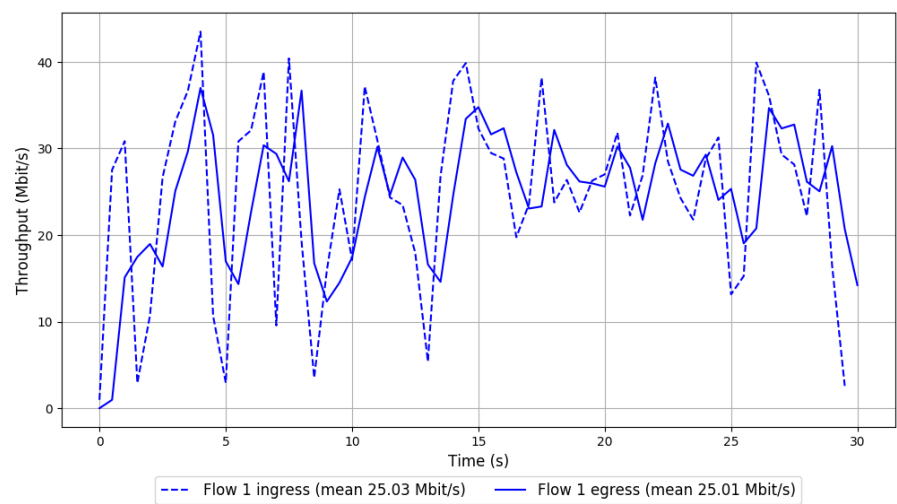
-- Flow 1:

Average throughput: 25.01 Mbit/s

95th percentile per-packet one-way delay: 428.862 ms

Loss rate: 0.07%

Run 5: Report of Verus — Data Link

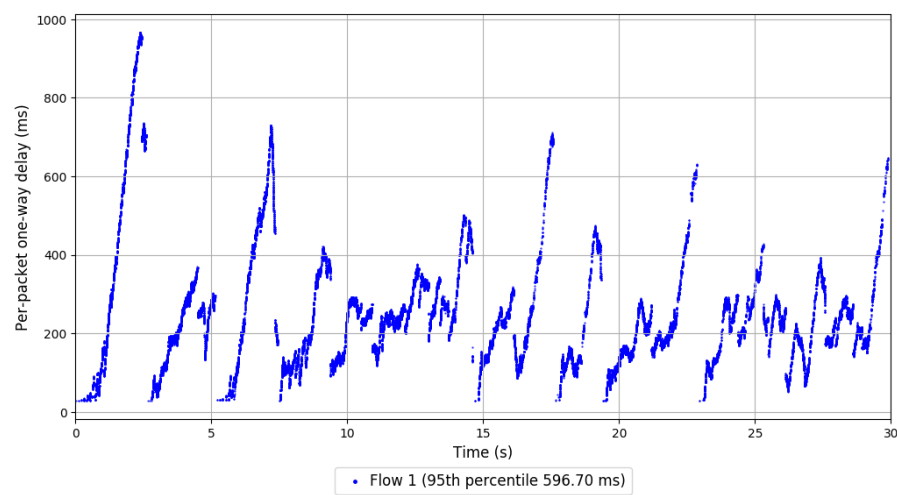
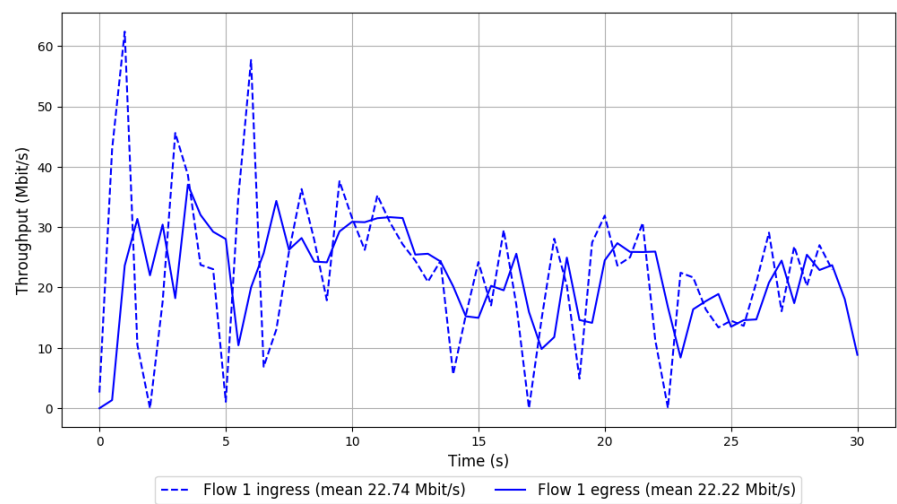


Run 6: Statistics of Verus

Start at: 2018-05-24 01:51:07
End at: 2018-05-24 01:51:37
Local clock offset: -4.874 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-05-24 03:26:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.22 Mbit/s
95th percentile per-packet one-way delay: 596.703 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 22.22 Mbit/s
95th percentile per-packet one-way delay: 596.703 ms
Loss rate: 0.92%

Run 6: Report of Verus — Data Link

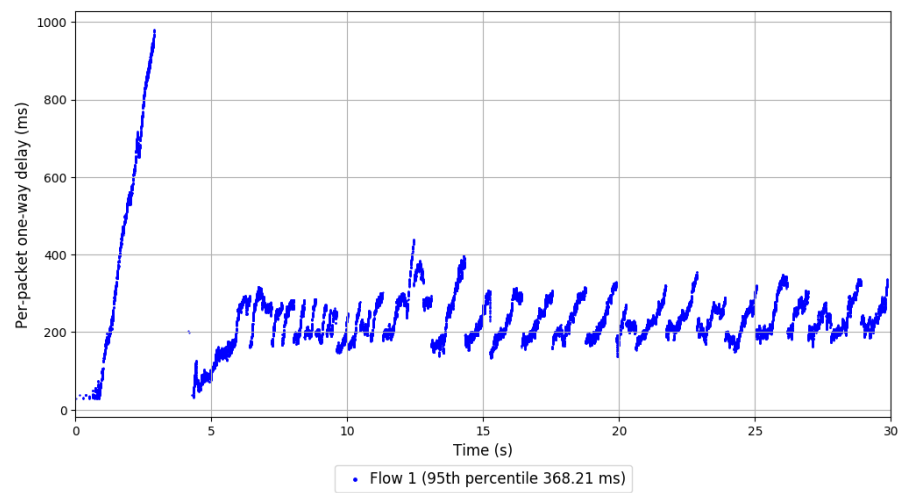
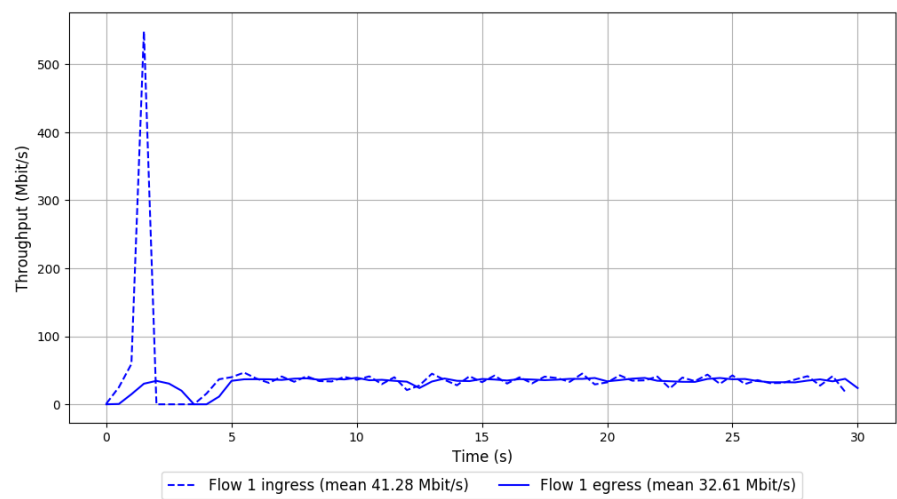


Run 7: Statistics of Verus

Start at: 2018-05-24 02:12:02
End at: 2018-05-24 02:12:32
Local clock offset: -2.176 ms
Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-05-24 03:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 368.212 ms
Loss rate: 21.02%
-- Flow 1:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 368.212 ms
Loss rate: 21.02%

Run 7: Report of Verus — Data Link

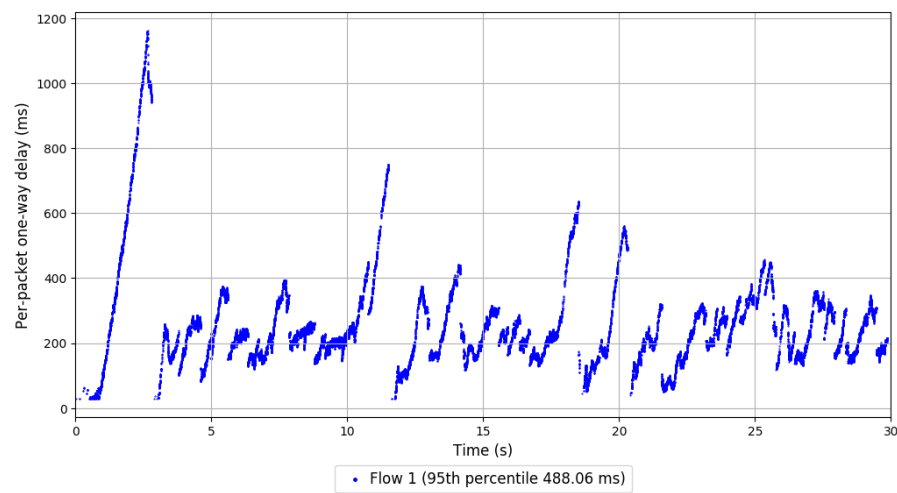
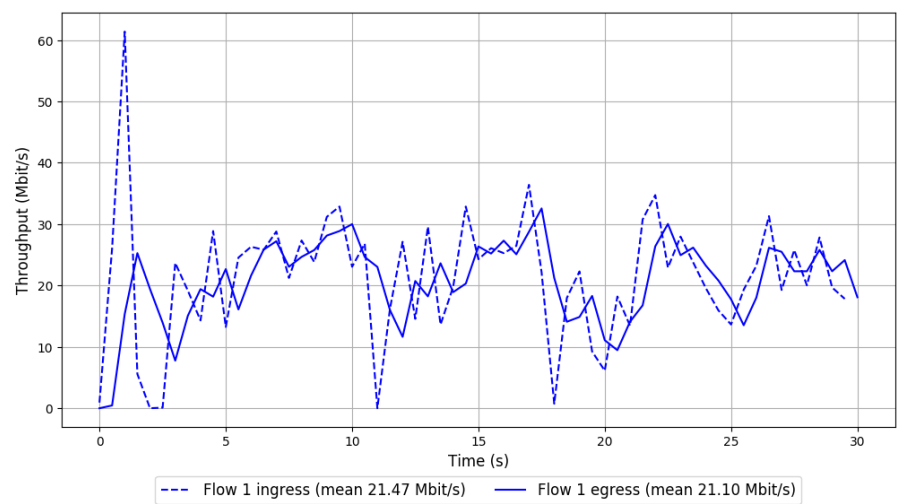


Run 8: Statistics of Verus

Start at: 2018-05-24 02:32:57
End at: 2018-05-24 02:33:27
Local clock offset: -1.925 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-05-24 03:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 488.058 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 488.058 ms
Loss rate: 1.75%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-05-24 02:53:52

End at: 2018-05-24 02:54:22

Local clock offset: -0.903 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-24 03:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.67 Mbit/s

95th percentile per-packet one-way delay: 593.225 ms

Loss rate: 2.47%

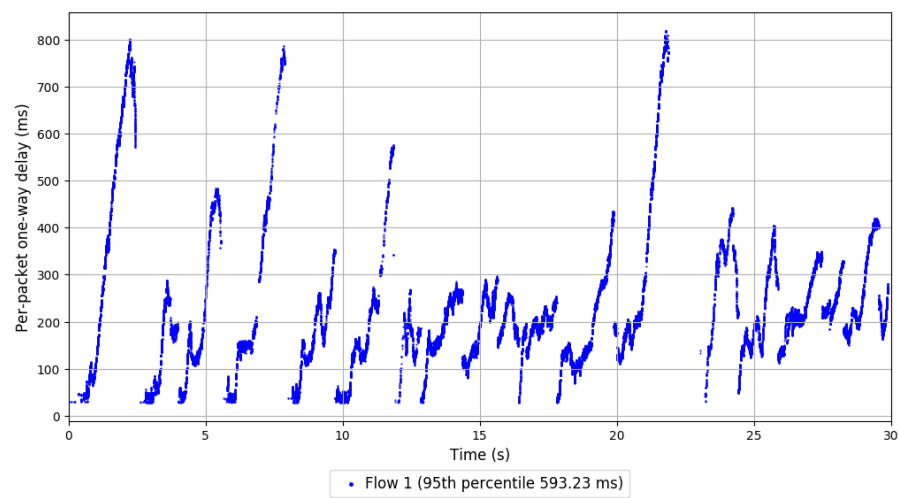
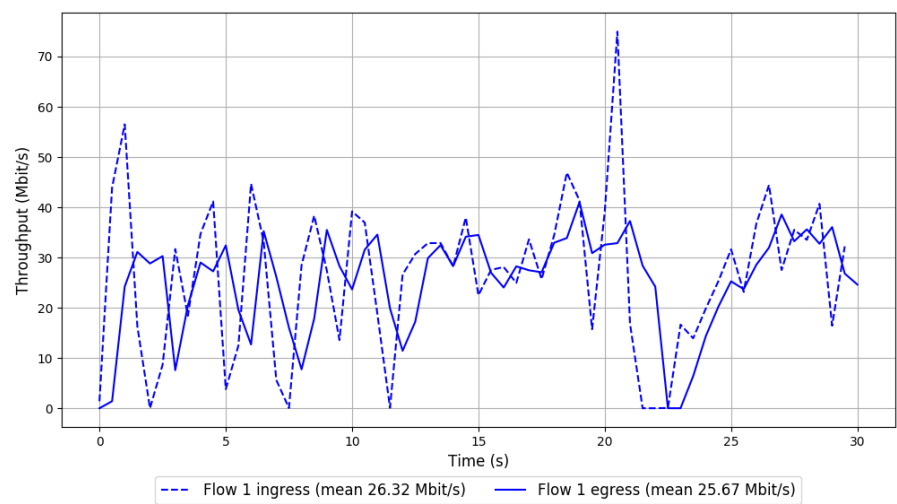
-- Flow 1:

Average throughput: 25.67 Mbit/s

95th percentile per-packet one-way delay: 593.225 ms

Loss rate: 2.47%

Run 9: Report of Verus — Data Link

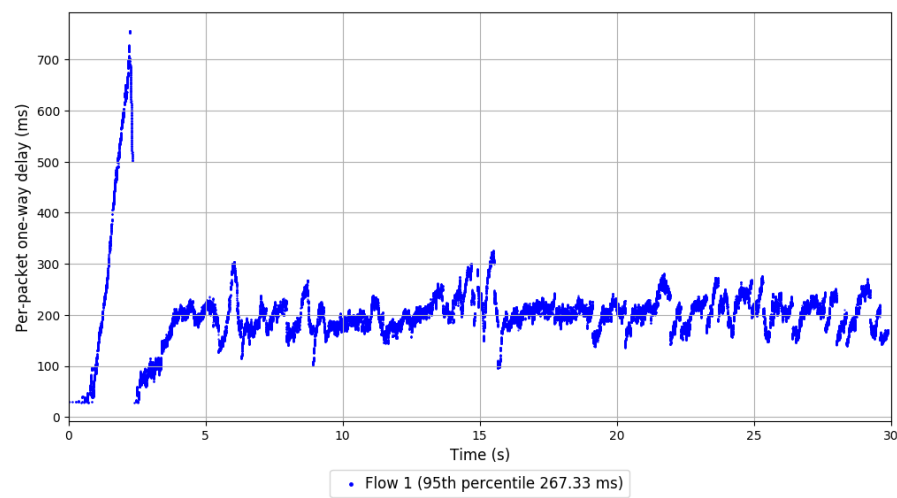
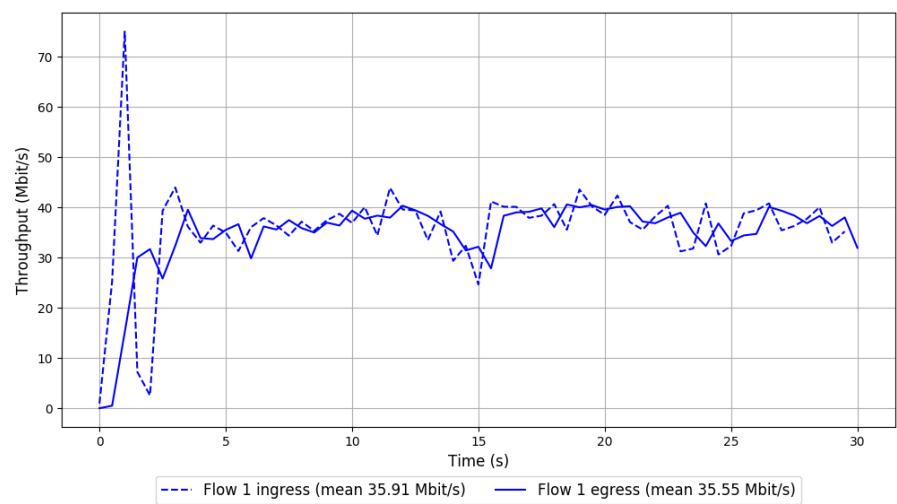


Run 10: Statistics of Verus

Start at: 2018-05-24 03:14:50
End at: 2018-05-24 03:15:20
Local clock offset: -0.143 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-05-24 03:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.55 Mbit/s
95th percentile per-packet one-way delay: 267.335 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 35.55 Mbit/s
95th percentile per-packet one-way delay: 267.335 ms
Loss rate: 1.07%

Run 10: Report of Verus — Data Link

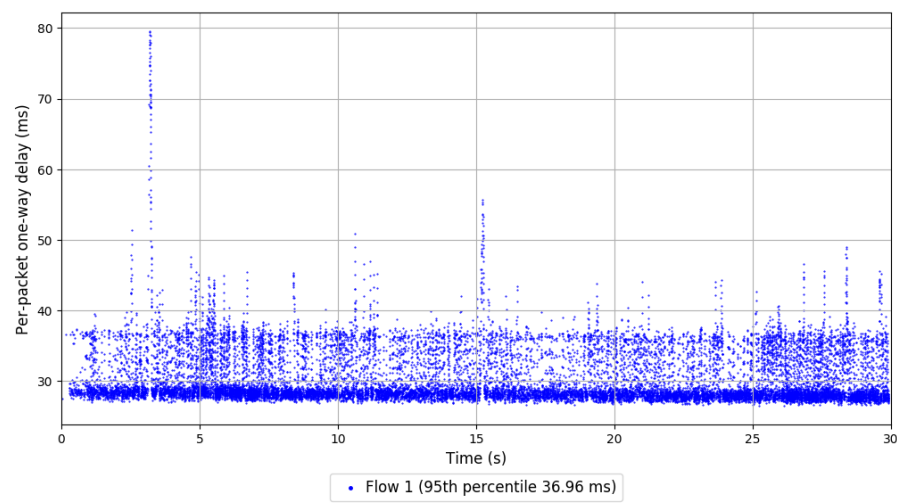
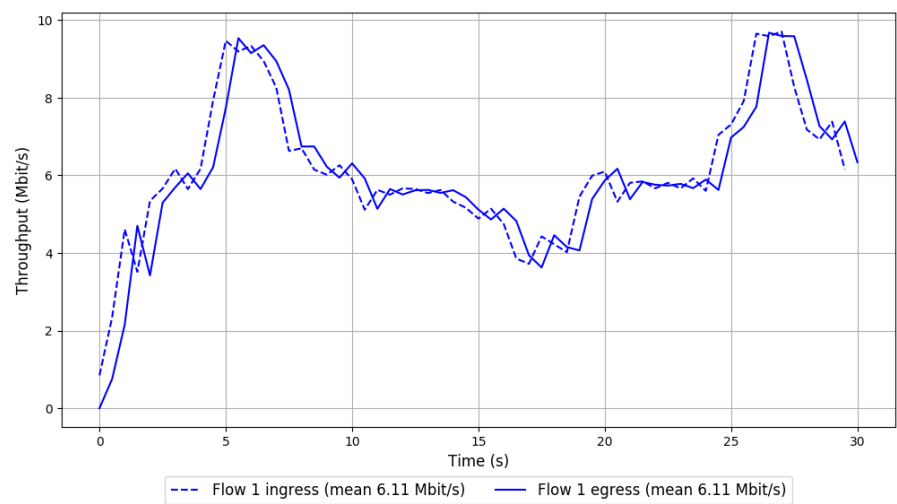


Run 1: Statistics of PCC-Vivace

Start at: 2018-05-23 23:56:09
End at: 2018-05-23 23:56:39
Local clock offset: -16.189 ms
Remote clock offset: 0.352 ms

Below is generated by plot.py at 2018-05-24 03:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.11 Mbit/s
95th percentile per-packet one-way delay: 36.960 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 6.11 Mbit/s
95th percentile per-packet one-way delay: 36.960 ms
Loss rate: 0.06%

Run 1: Report of PCC-Vivace — Data Link

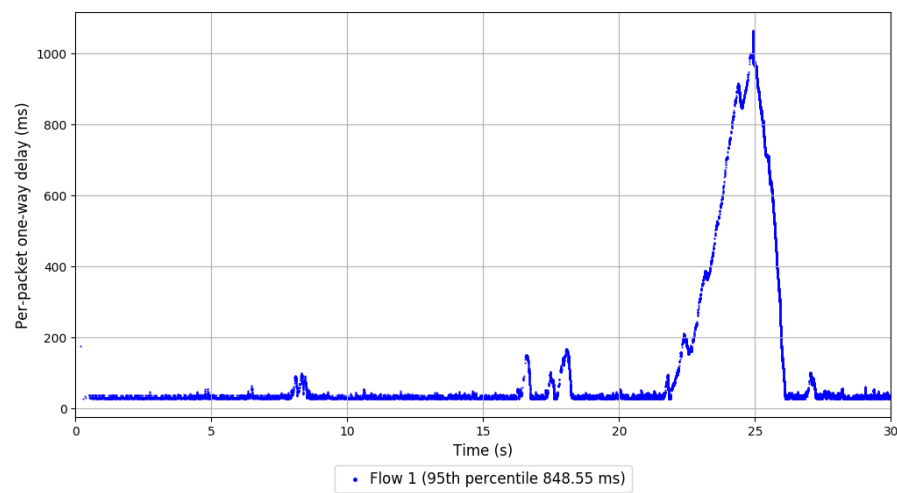
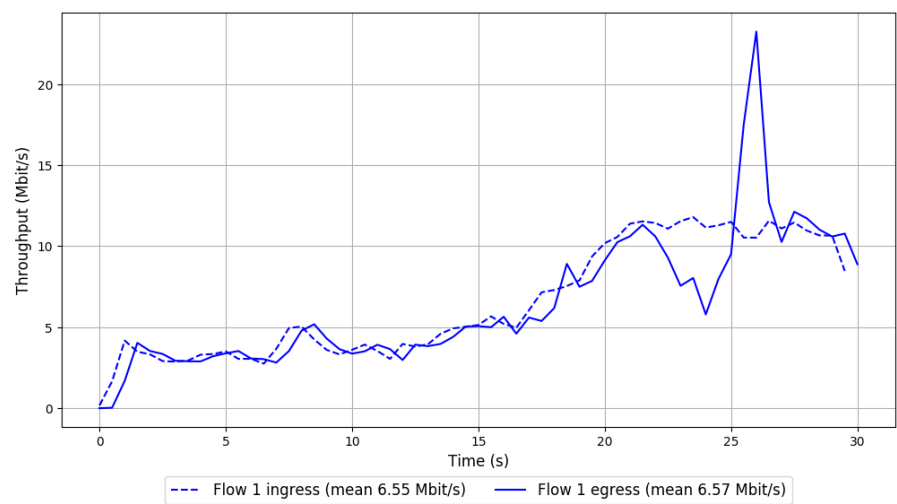


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-24 00:17:00
End at: 2018-05-24 00:17:30
Local clock offset: -26.171 ms
Remote clock offset: 0.488 ms

Below is generated by plot.py at 2018-05-24 03:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 848.550 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 848.550 ms
Loss rate: 0.09%

Run 2: Report of PCC-Vivace — Data Link

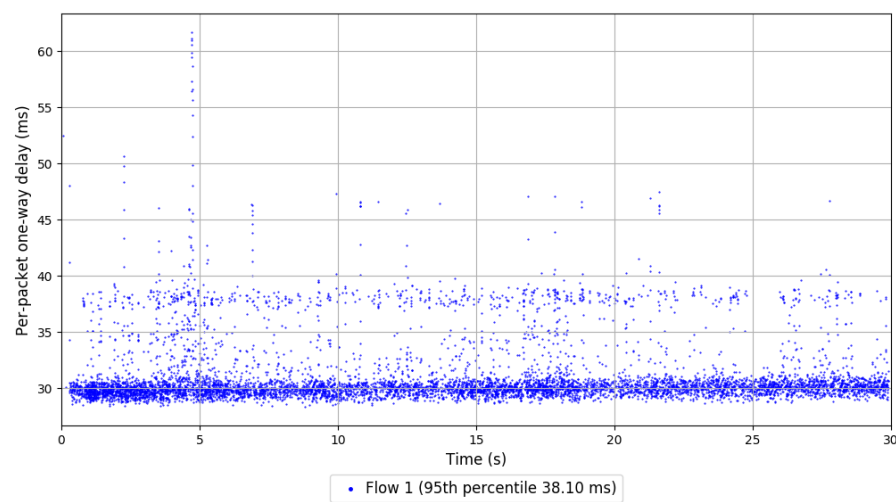
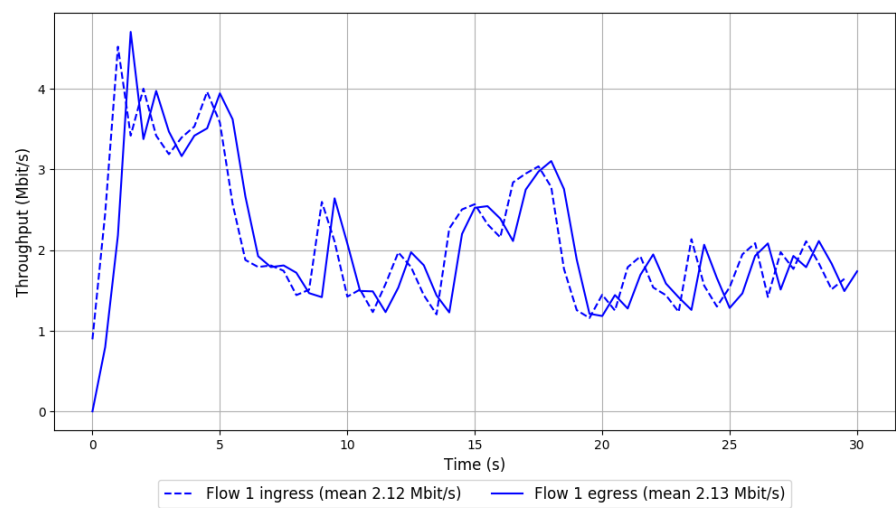


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-24 00:37:58
End at: 2018-05-24 00:38:28
Local clock offset: -21.019 ms
Remote clock offset: 0.537 ms

Below is generated by plot.py at 2018-05-24 03:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 38.097 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 38.097 ms
Loss rate: 0.02%

Run 3: Report of PCC-Vivace — Data Link

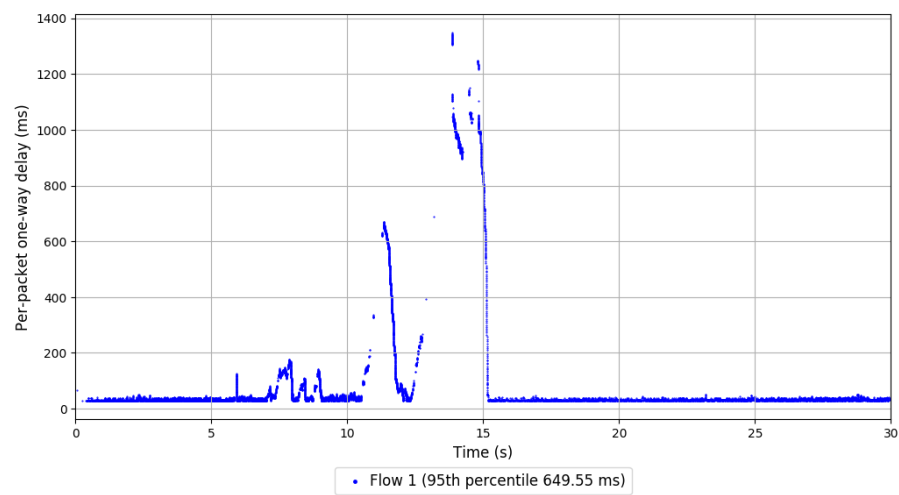
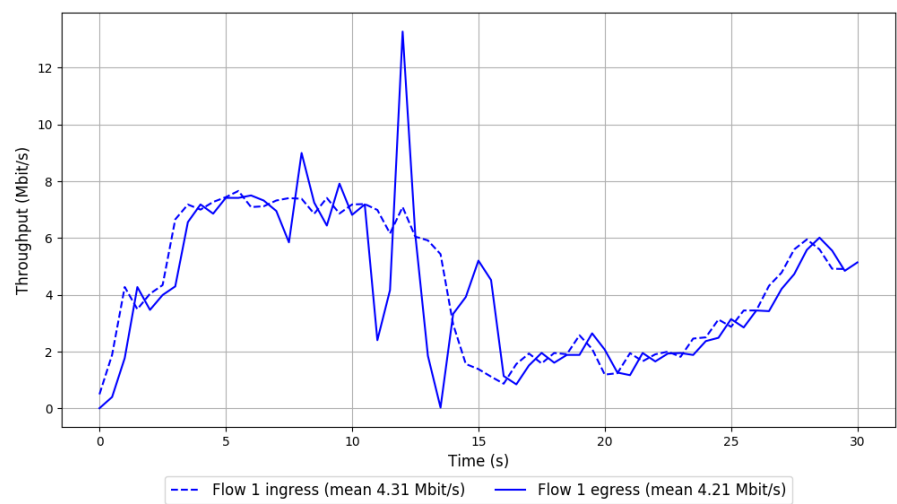


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-24 00:58:57
End at: 2018-05-24 00:59:27
Local clock offset: -23.133 ms
Remote clock offset: 0.516 ms

Below is generated by plot.py at 2018-05-24 03:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 649.552 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 649.552 ms
Loss rate: 2.55%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-24 01:19:50

End at: 2018-05-24 01:20:20

Local clock offset: -9.937 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2018-05-24 03:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 36.919 ms

Loss rate: 0.04%

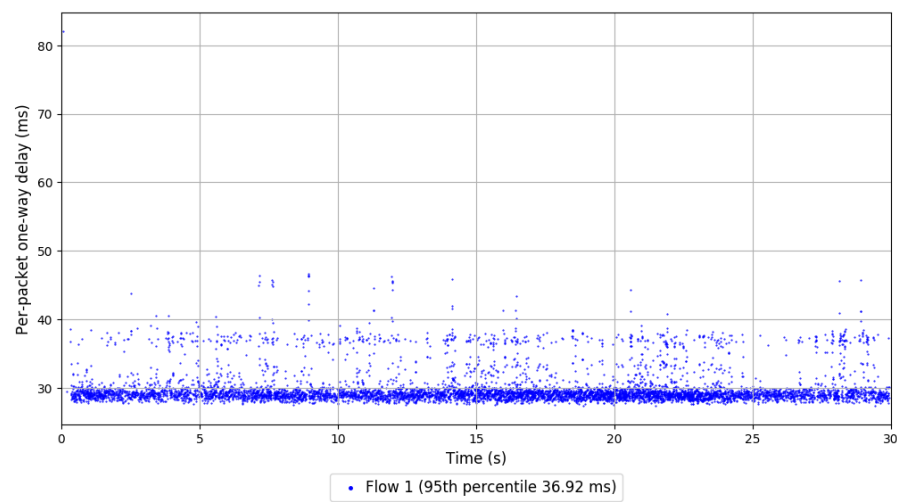
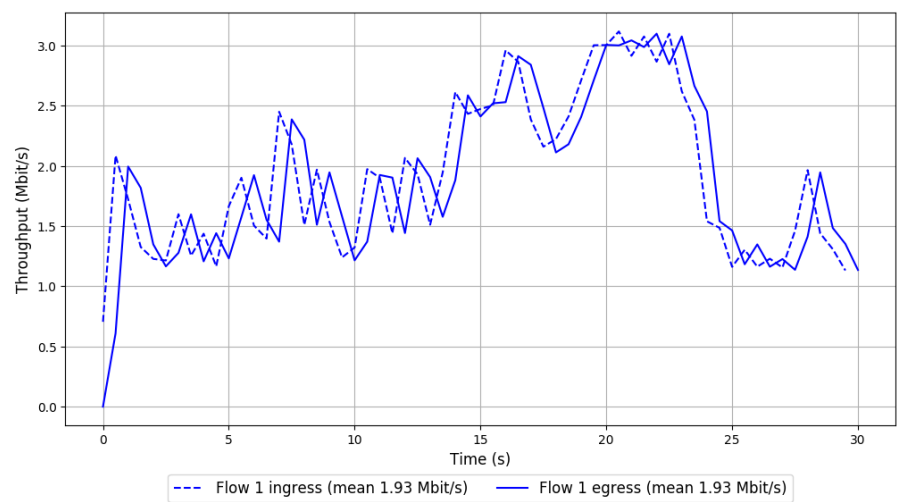
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 36.919 ms

Loss rate: 0.04%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-24 01:40:42

End at: 2018-05-24 01:41:12

Local clock offset: -5.098 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-05-24 03:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 38.280 ms

Loss rate: 0.06%

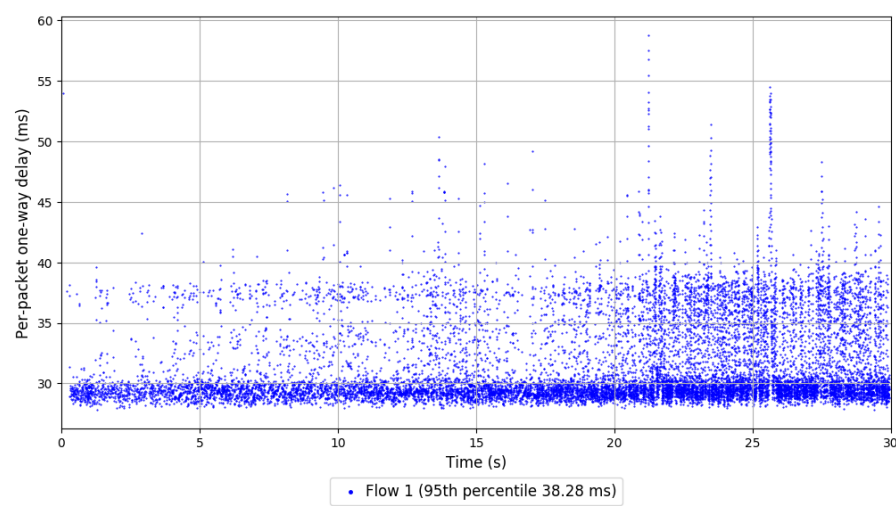
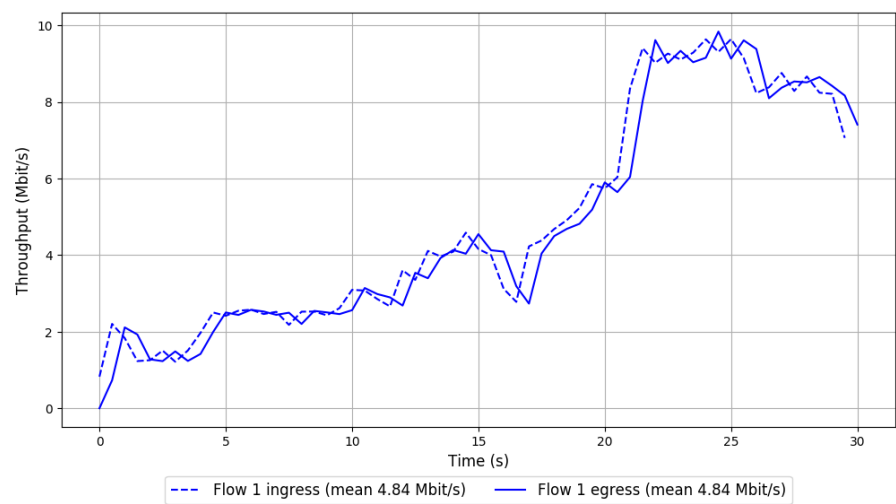
-- Flow 1:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 38.280 ms

Loss rate: 0.06%

Run 6: Report of PCC-Vivace — Data Link

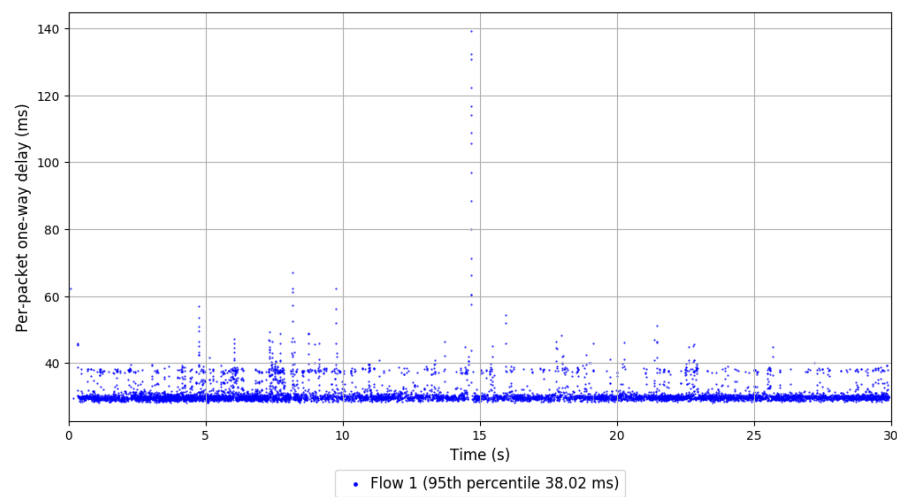
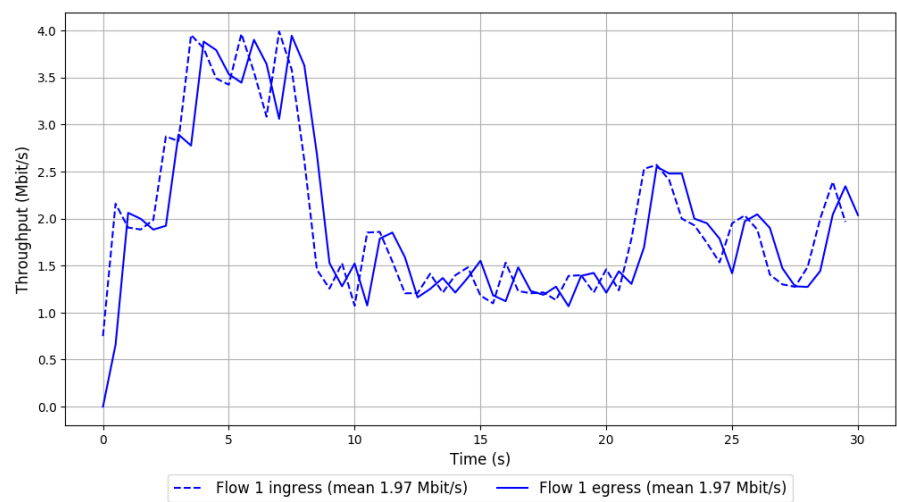


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-24 02:01:35
End at: 2018-05-24 02:02:05
Local clock offset: -4.836 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-05-24 03:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 38.015 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 38.015 ms
Loss rate: 0.06%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-24 02:22:30

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

Local clock offset: -2.291 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-24 03:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.85 Mbit/s

95th percentile per-packet one-way delay: 37.122 ms

Loss rate: 0.06%

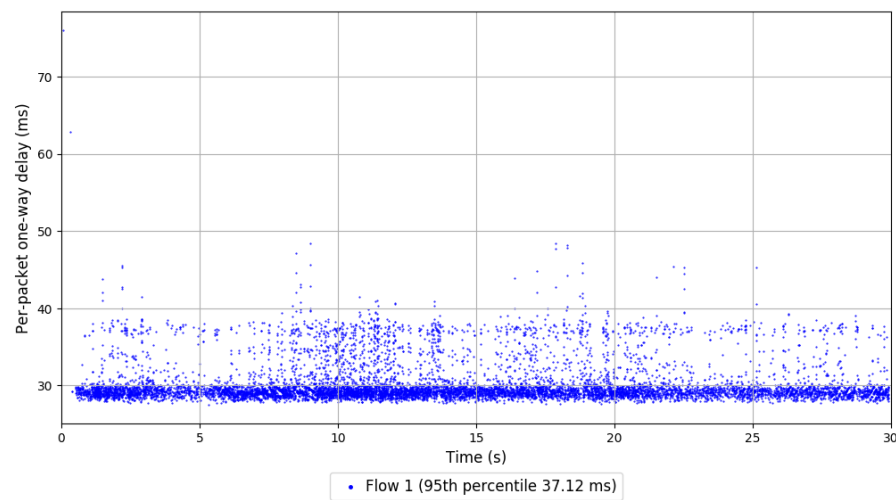
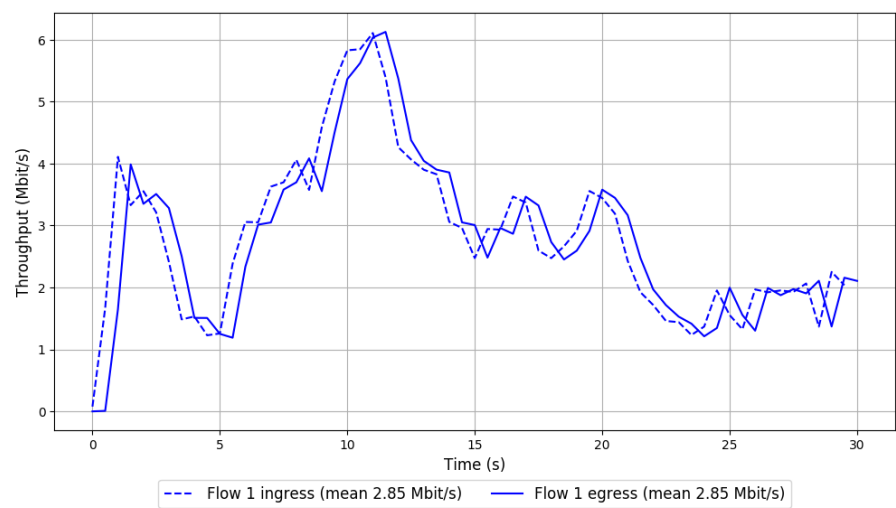
-- Flow 1:

Average throughput: 2.85 Mbit/s

95th percentile per-packet one-way delay: 37.122 ms

Loss rate: 0.06%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-24 02:43:24

End at: 2018-05-24 02:43:54

Local clock offset: -0.841 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-05-24 03:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 37.245 ms

Loss rate: 0.04%

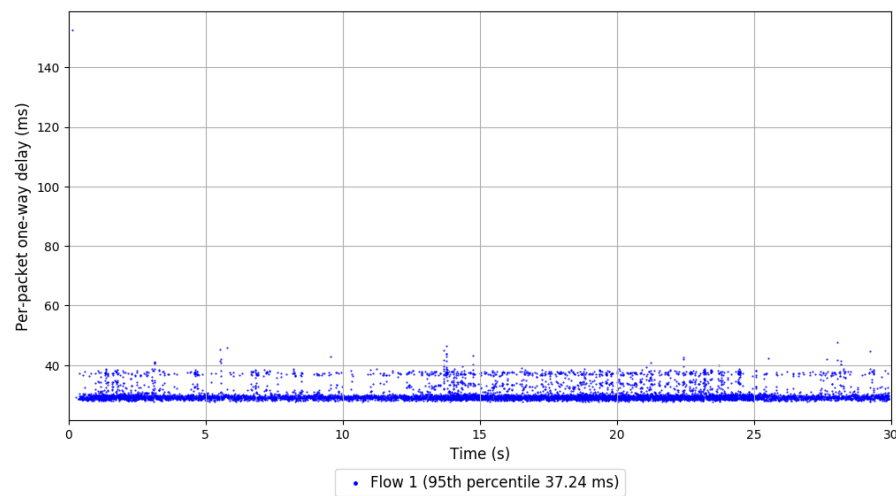
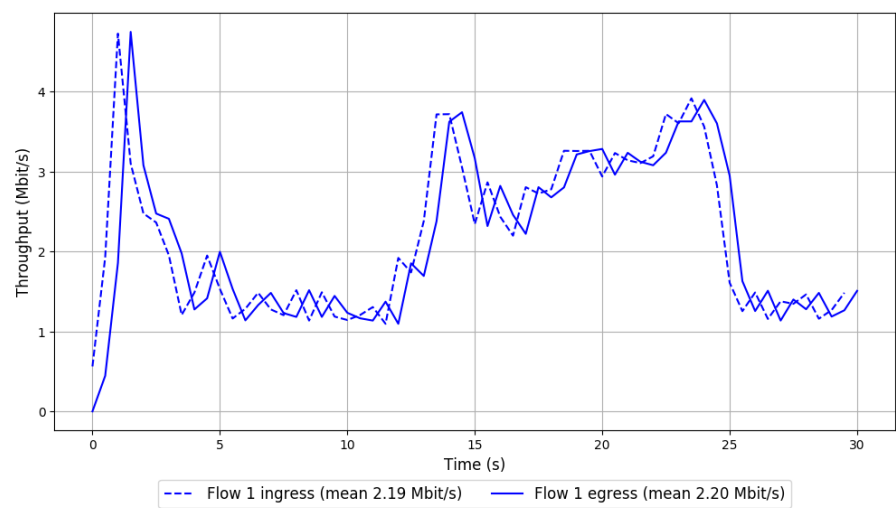
-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 37.245 ms

Loss rate: 0.04%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-24 03:04:22

End at: 2018-05-24 03:04:52

Local clock offset: -0.496 ms

Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-05-24 03:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 36.899 ms

Loss rate: 0.06%

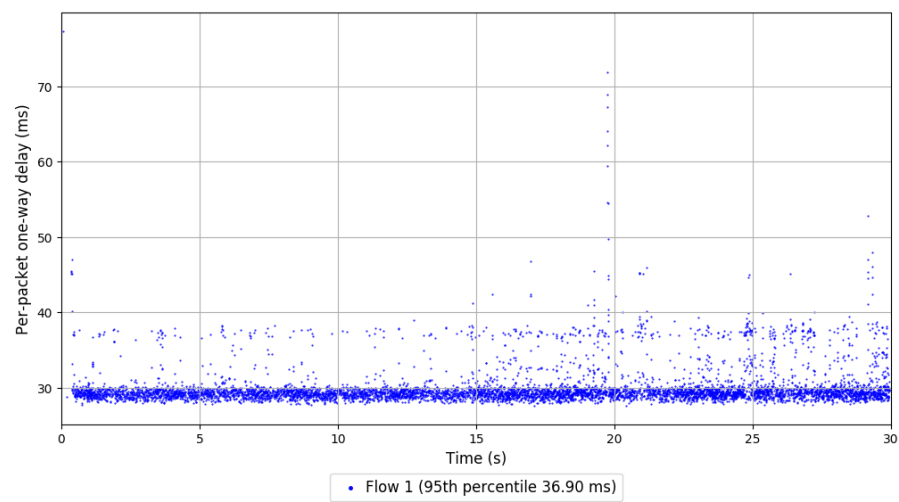
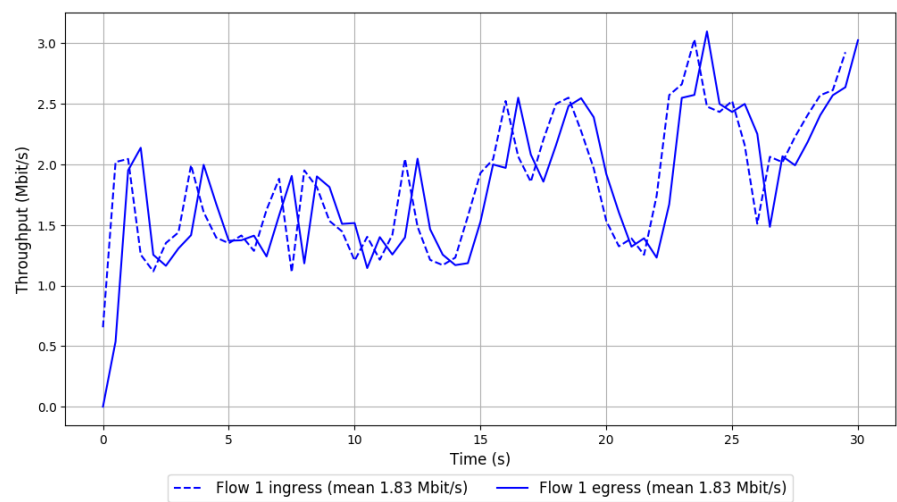
-- Flow 1:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 36.899 ms

Loss rate: 0.06%

Run 10: Report of PCC-Vivace — Data Link

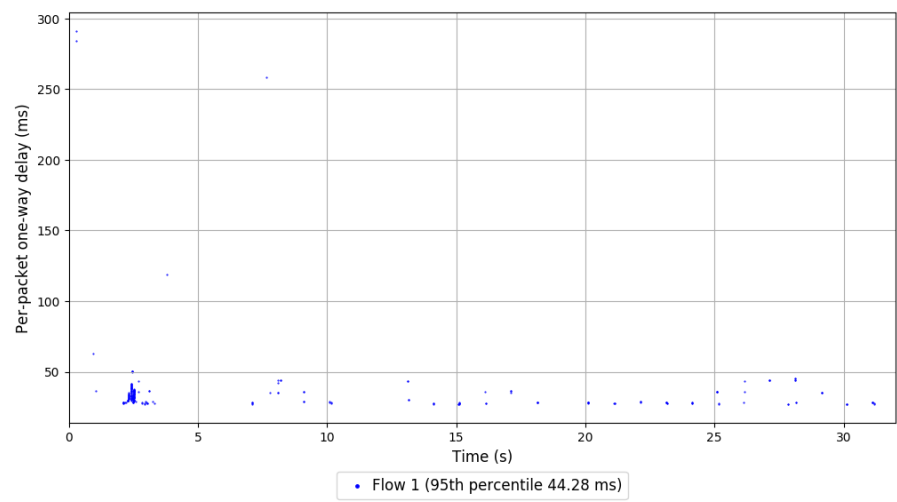
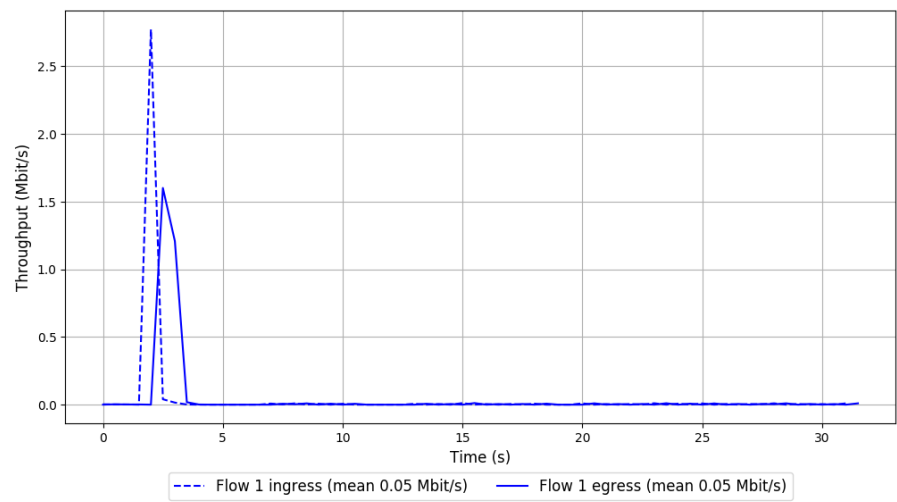


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-23 23:57:27
End at: 2018-05-23 23:57:57
Local clock offset: -17.802 ms
Remote clock offset: 0.356 ms

# Below is generated by plot.py at 2018-05-24 03:26:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 44.278 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 44.278 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

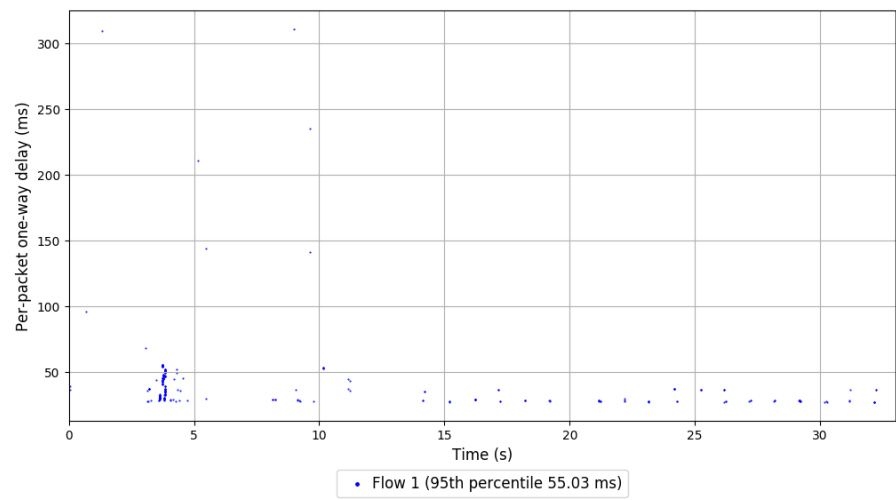
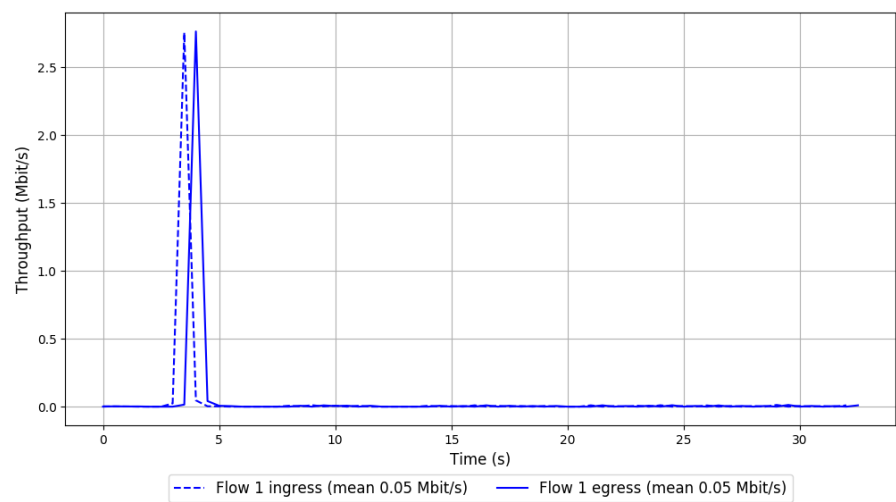


Run 2: Statistics of WebRTC media

Start at: 2018-05-24 00:18:18
End at: 2018-05-24 00:18:48
Local clock offset: -27.716 ms
Remote clock offset: 0.468 ms

Below is generated by plot.py at 2018-05-24 03:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 55.033 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 55.033 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

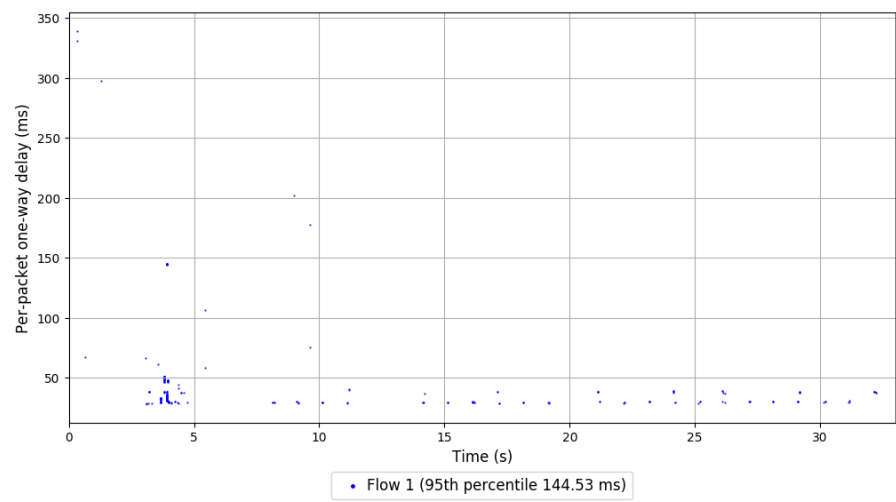
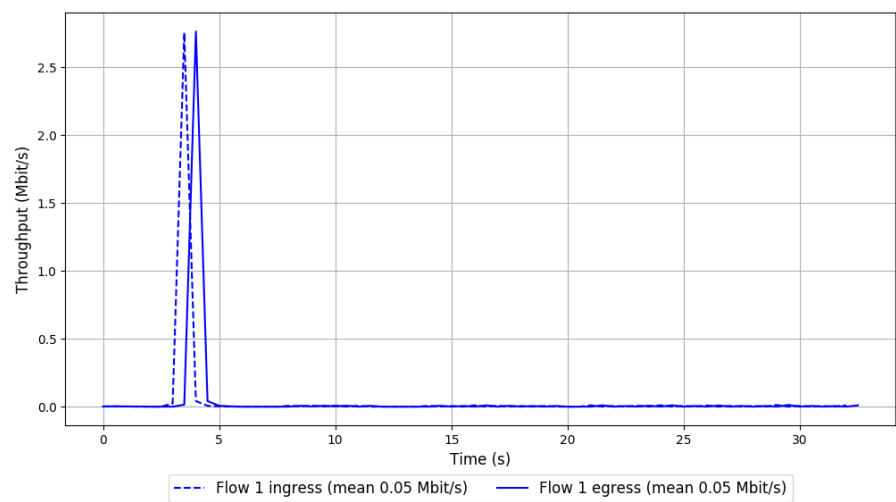


Run 3: Statistics of WebRTC media

Start at: 2018-05-24 00:39:16
End at: 2018-05-24 00:39:46
Local clock offset: -19.827 ms
Remote clock offset: 0.534 ms

Below is generated by plot.py at 2018-05-24 03:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 144.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 144.526 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-24 01:00:15

End at: 2018-05-24 01:00:45

Local clock offset: -21.26 ms

Remote clock offset: 0.494 ms

Below is generated by plot.py at 2018-05-24 03:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 64.314 ms

Loss rate: 0.00%

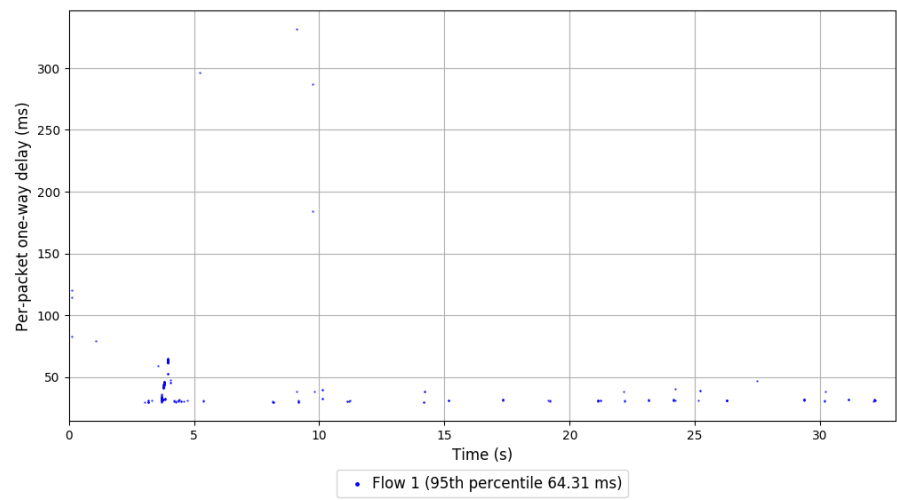
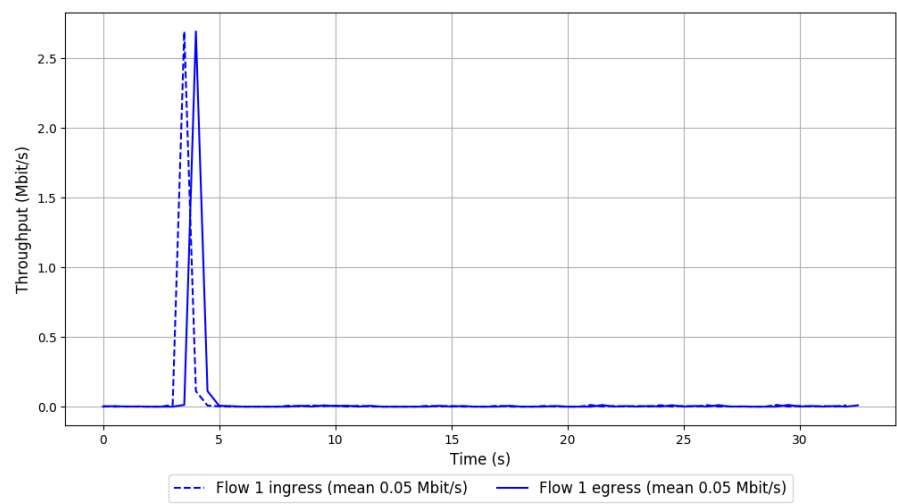
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 64.314 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

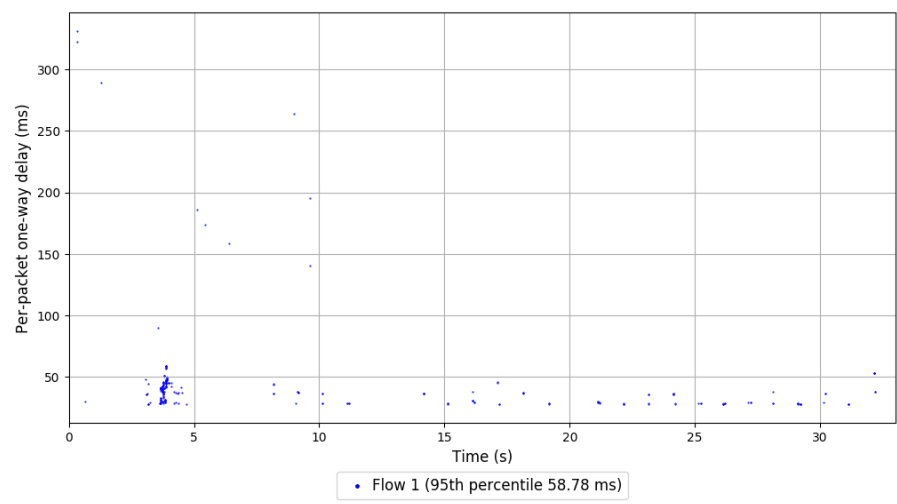
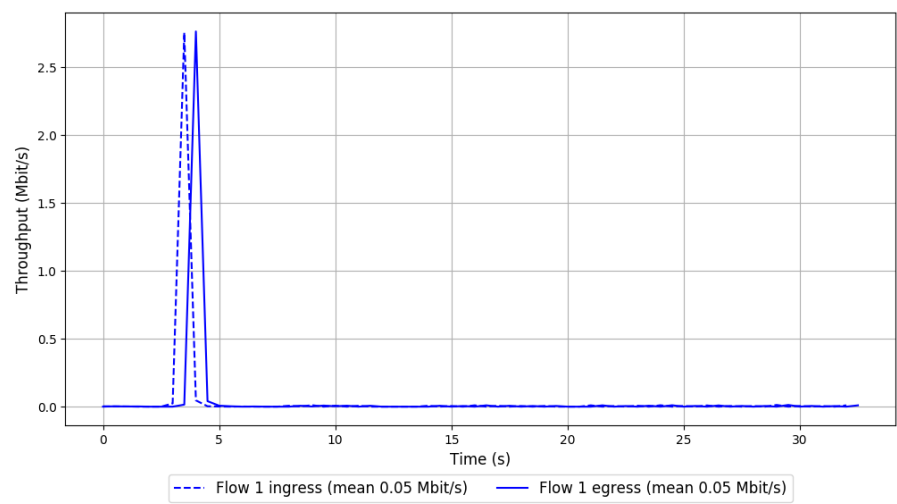


Run 5: Statistics of WebRTC media

Start at: 2018-05-24 01:21:08
End at: 2018-05-24 01:21:38
Local clock offset: -10.175 ms
Remote clock offset: 0.161 ms

Below is generated by plot.py at 2018-05-24 03:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.776 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-24 01:42:00

End at: 2018-05-24 01:42:30

Local clock offset: -4.947 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-05-24 03:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 45.822 ms

Loss rate: 0.00%

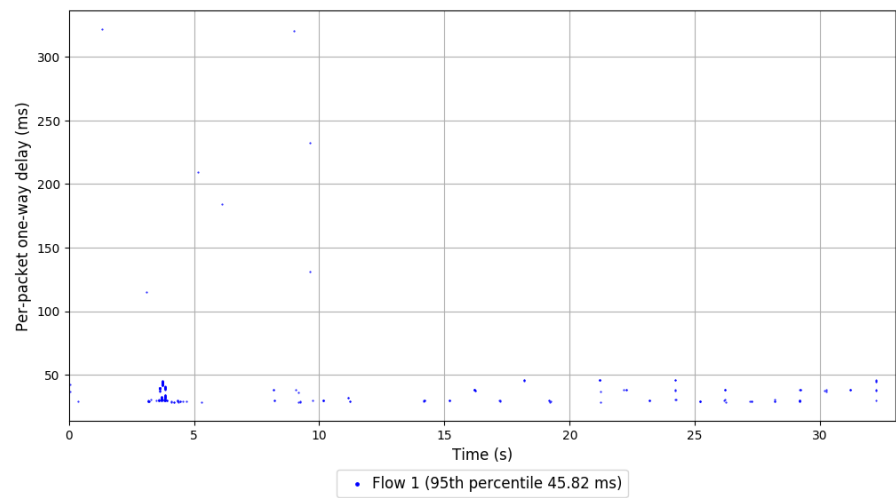
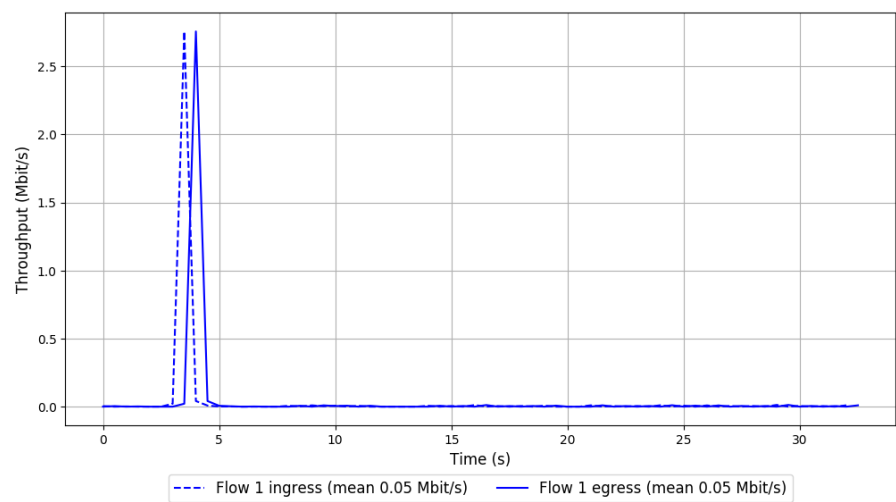
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 45.822 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

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

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

Local clock offset: -4.246 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-05-24 03:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 51.475 ms

Loss rate: 0.00%

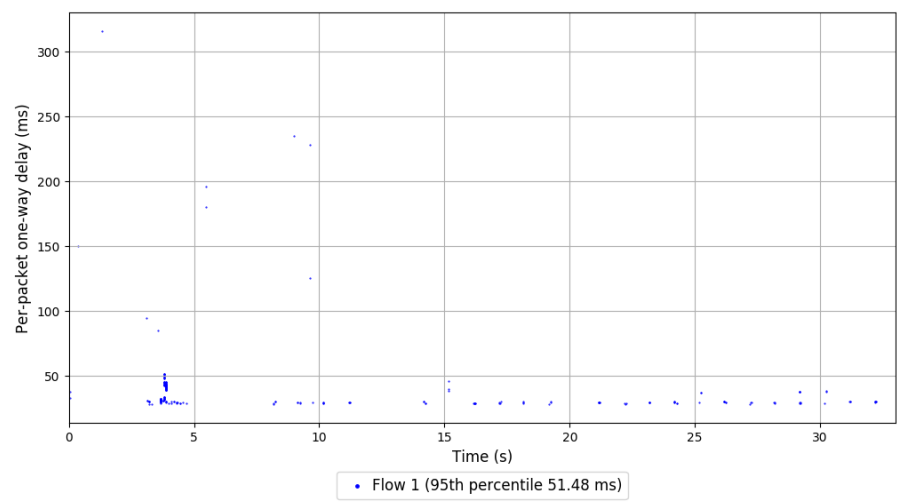
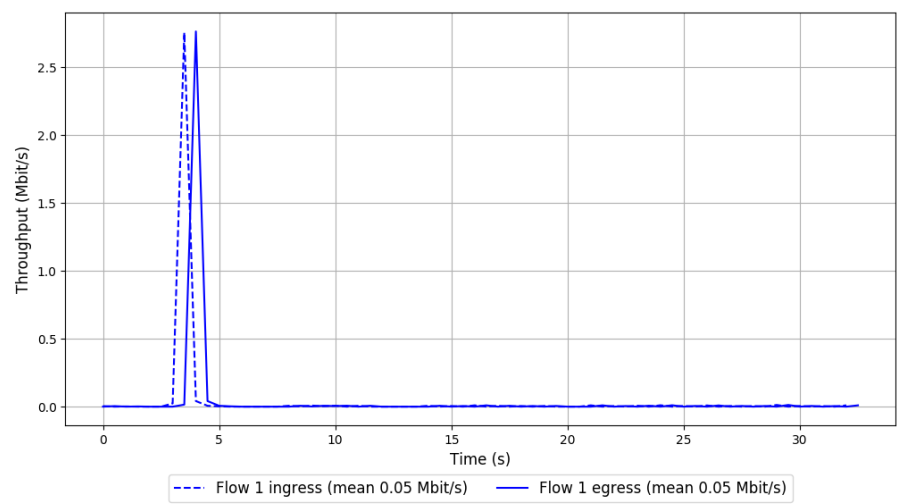
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 51.475 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

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

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

Local clock offset: -2.392 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-05-24 03:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 42.855 ms

Loss rate: 0.00%

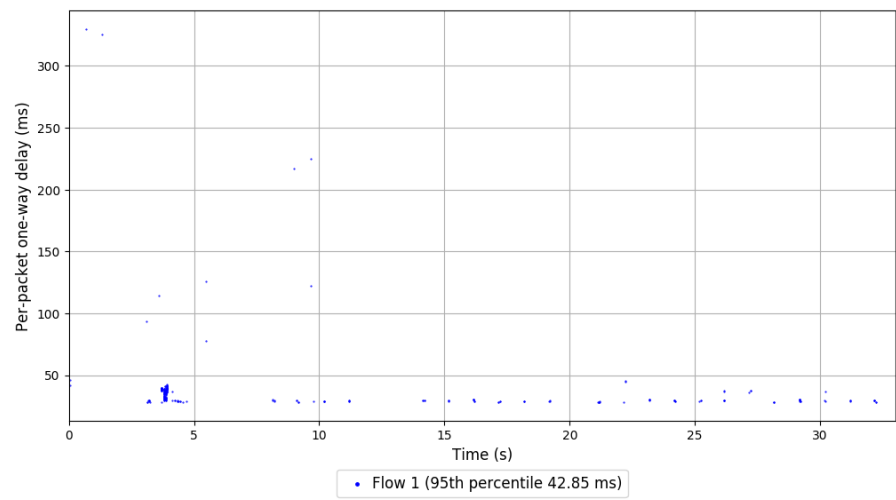
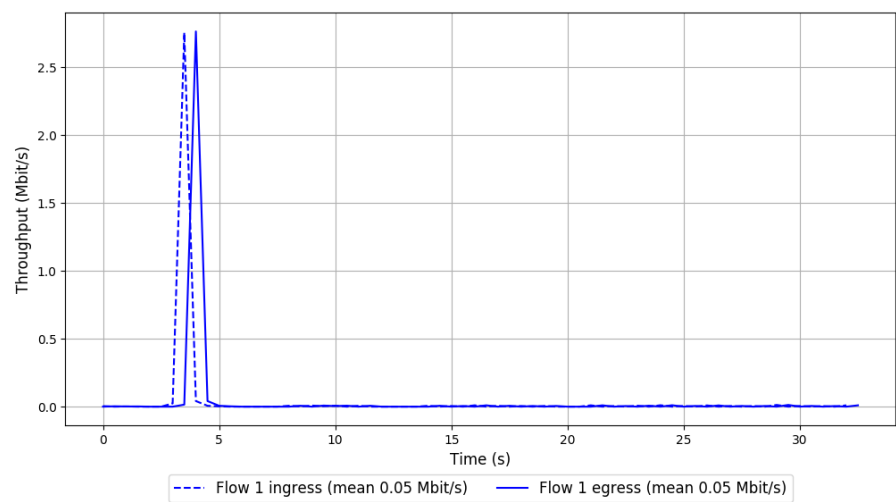
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 42.855 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

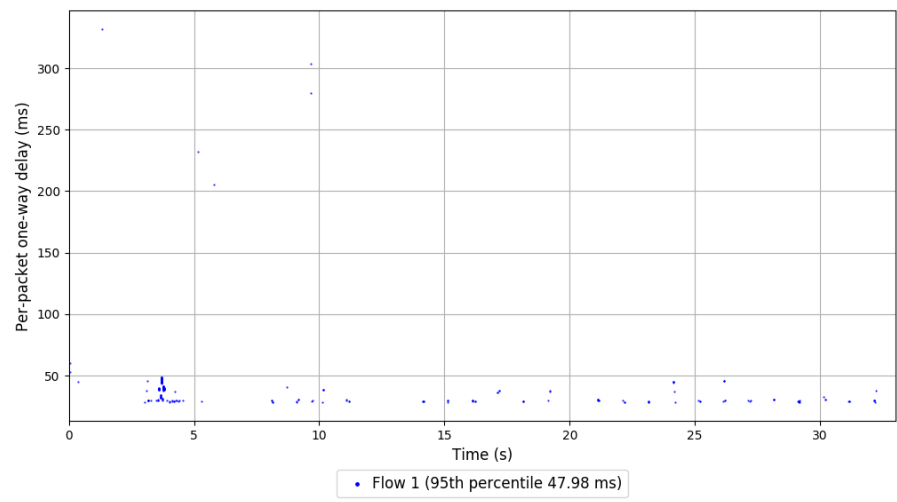
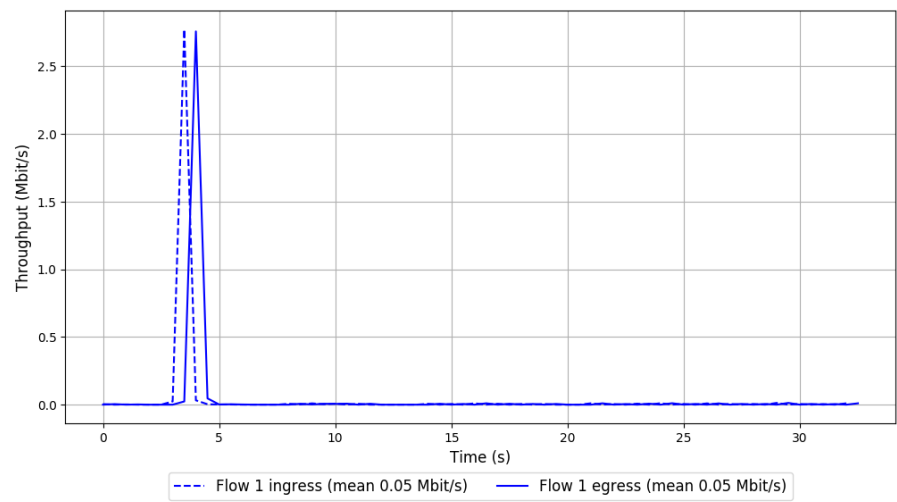


Run 9: Statistics of WebRTC media

Start at: 2018-05-24 02:44:42
End at: 2018-05-24 02:45:12
Local clock offset: -0.824 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-05-24 03:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.980 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.980 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-24 03:05:40
End at: 2018-05-24 03:06:10
Local clock offset: -0.376 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-05-24 03:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 48.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 48.317 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

