

Pantheon Report

Generated at 2018-05-22 13:14:30 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

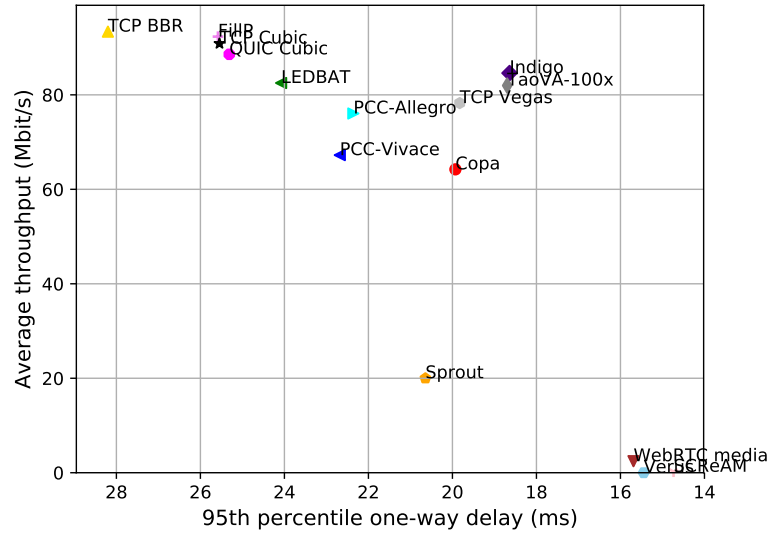
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against [nets.org.sg](https://www.nets.org.sg) and have been applied to correct the timestamps in logs.

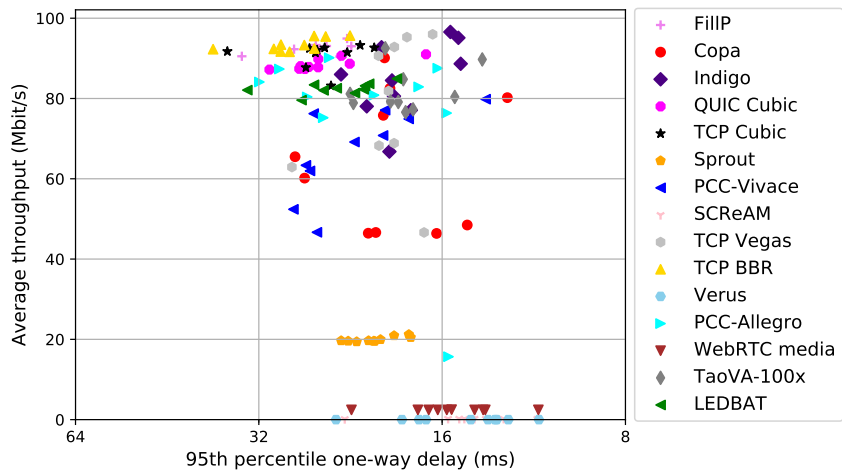
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 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 India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	93.38	28.20	2.96
Copa	10	64.22	19.93	0.10
TCP Cubic	10	90.85	25.55	0.12
FillP	10	92.33	25.58	0.12
Indigo	10	84.61	18.64	0.09
LEDBAT	10	82.51	24.08	0.11
PCC-Allegro	10	76.05	22.36	0.17
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	10	88.58	25.31	0.12
SCReAM	10	0.20	14.74	0.15
Sprout	10	20.00	20.64	0.11
TaoVA-100x	10	81.97	18.70	0.09
TCP Vegas	10	78.25	19.83	0.10
Verus	10	0.00	15.45	0.00
PCC-Vivace	10	67.24	22.68	0.15
WebRTC media	10	2.43	15.69	0.12

Run 1: Statistics of TCP BBR

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

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

Local clock offset: 1.474 ms

Remote clock offset: -12.96 ms

Below is generated by plot.py at 2018-05-22 12:58:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.28 Mbit/s

95th percentile per-packet one-way delay: 38.040 ms

Loss rate: 3.91%

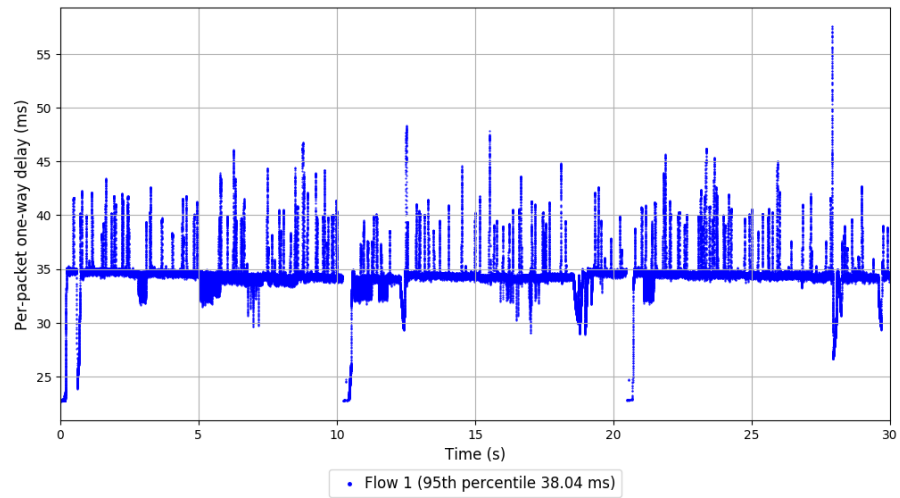
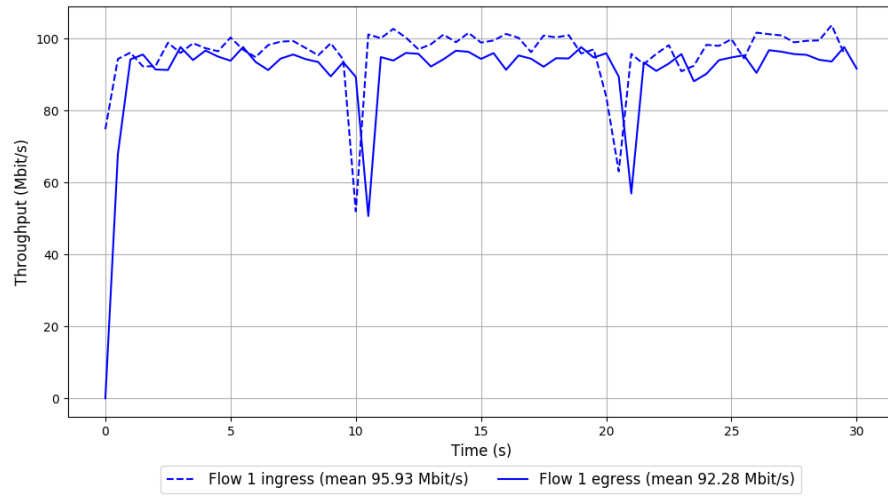
-- Flow 1:

Average throughput: 92.28 Mbit/s

95th percentile per-packet one-way delay: 38.040 ms

Loss rate: 3.91%

Run 1: Report of TCP BBR — Data Link

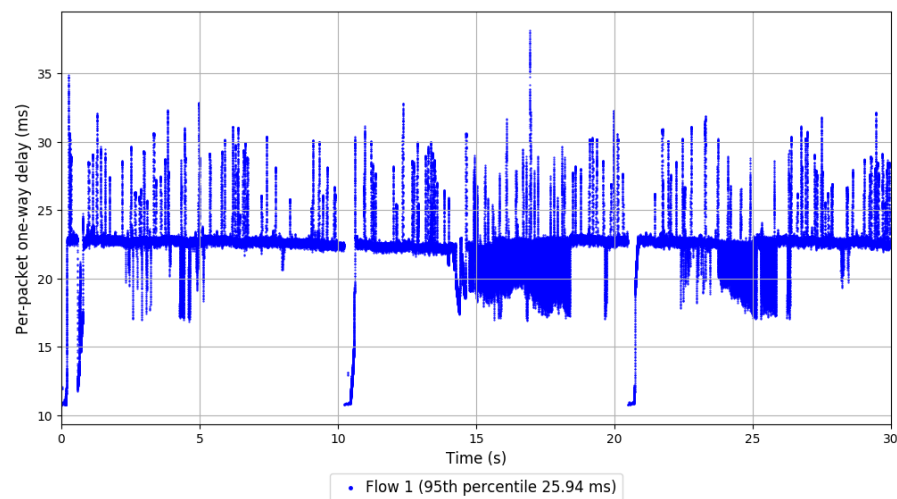
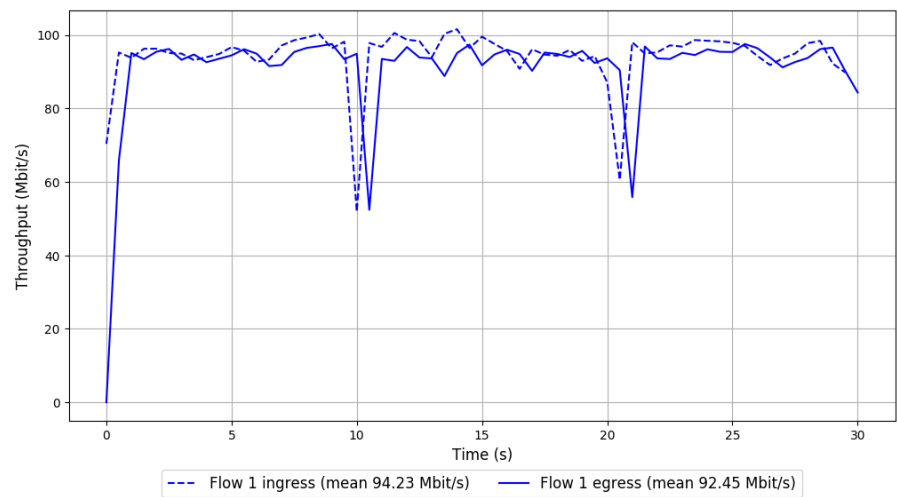


Run 2: Statistics of TCP BBR

Start at: 2018-05-22 10:19:39
End at: 2018-05-22 10:20:09
Local clock offset: -0.482 ms
Remote clock offset: -2.429 ms

Below is generated by plot.py at 2018-05-22 12:58:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 25.942 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 25.942 ms
Loss rate: 1.99%

Run 2: Report of TCP BBR — Data Link

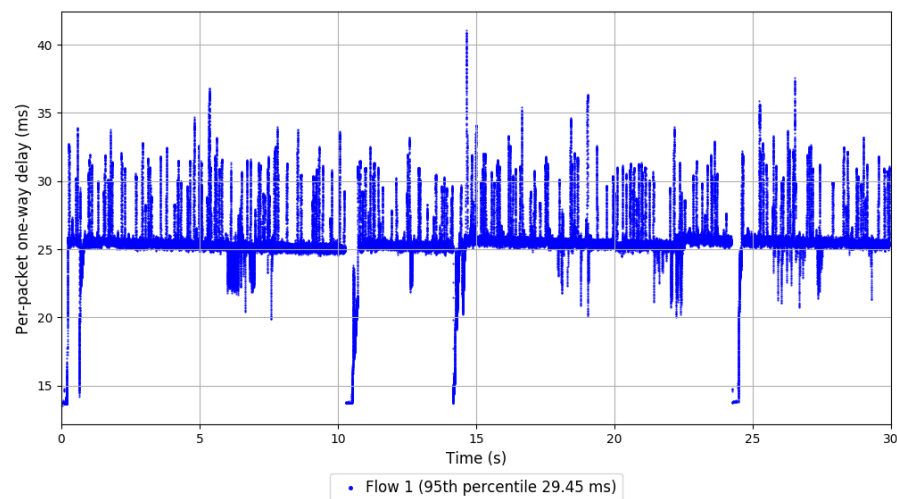
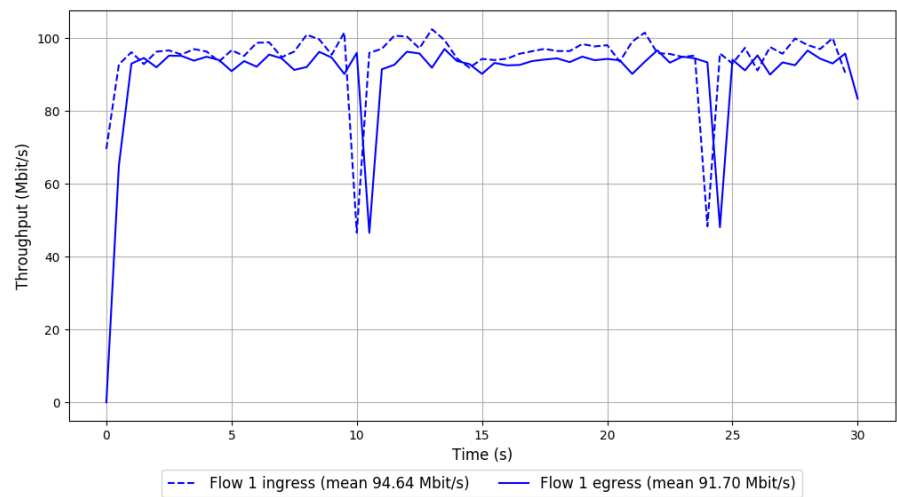


Run 3: Statistics of TCP BBR

Start at: 2018-05-22 10:38:20
End at: 2018-05-22 10:38:50
Local clock offset: -1.715 ms
Remote clock offset: -1.229 ms

Below is generated by plot.py at 2018-05-22 12:58:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 29.454 ms
Loss rate: 3.21%
-- Flow 1:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 29.454 ms
Loss rate: 3.21%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-22 10:57:04

End at: 2018-05-22 10:57:34

Local clock offset: -0.39 ms

Remote clock offset: 3.137 ms

Below is generated by plot.py at 2018-05-22 12:58:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.45 Mbit/s

95th percentile per-packet one-way delay: 24.854 ms

Loss rate: 3.31%

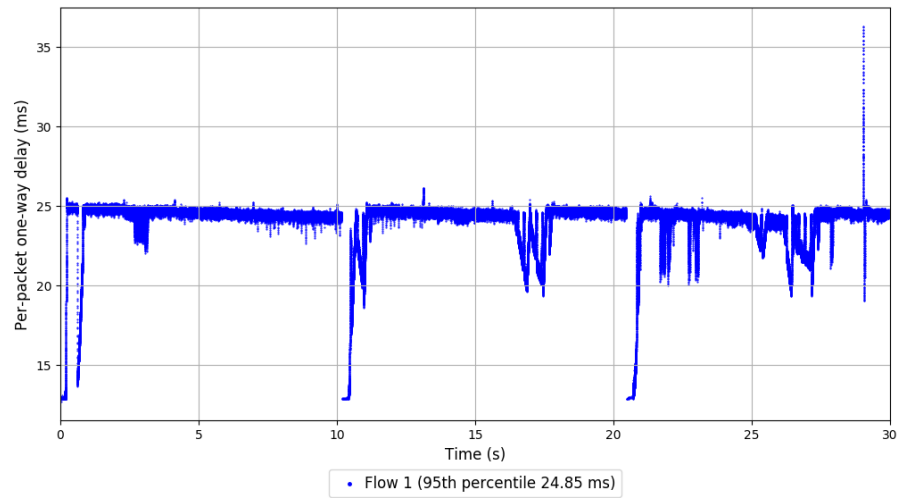
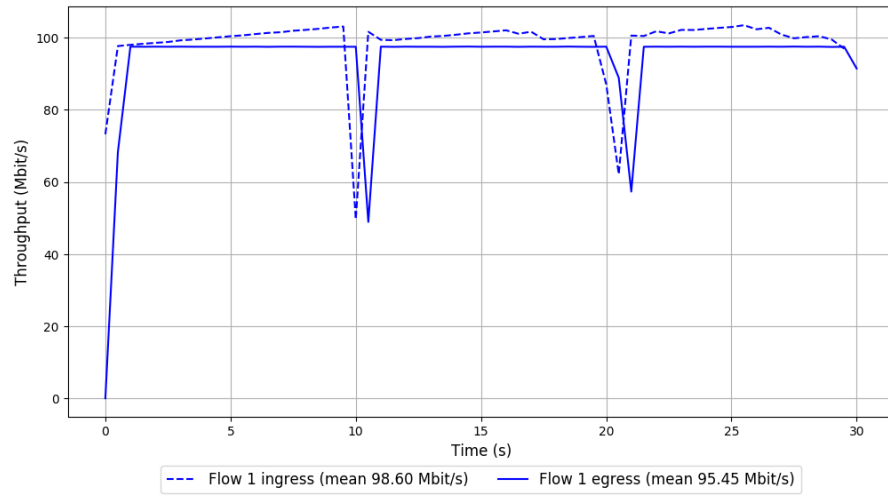
-- Flow 1:

Average throughput: 95.45 Mbit/s

95th percentile per-packet one-way delay: 24.854 ms

Loss rate: 3.31%

Run 4: Report of TCP BBR — Data Link

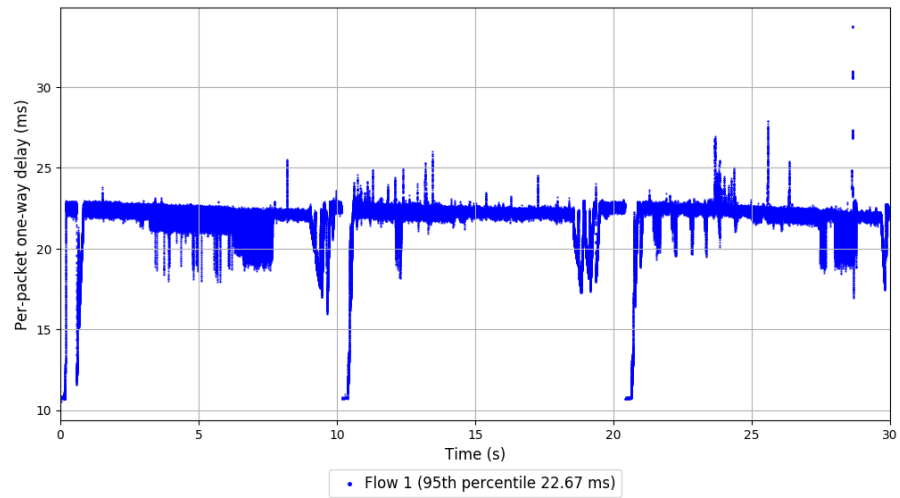
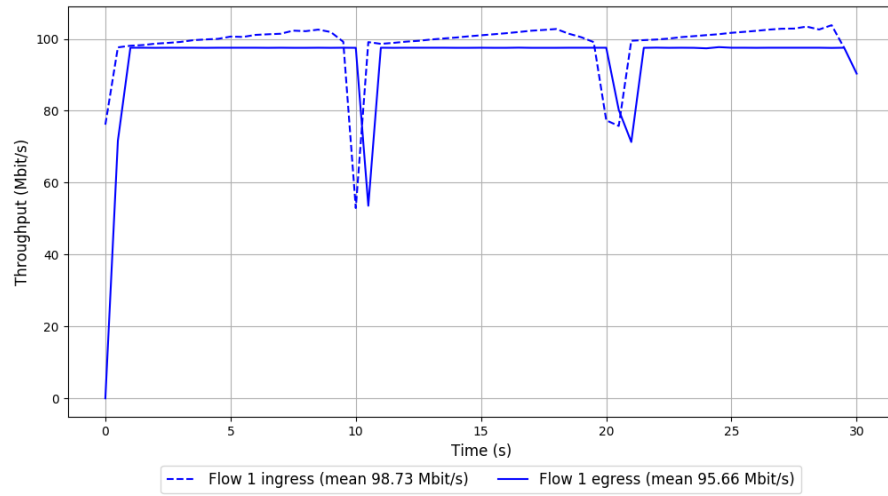


Run 5: Statistics of TCP BBR

Start at: 2018-05-22 11:15:36
End at: 2018-05-22 11:16:06
Local clock offset: 0.004 ms
Remote clock offset: -0.613 ms

Below is generated by plot.py at 2018-05-22 12:58:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 22.668 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 22.668 ms
Loss rate: 3.19%

Run 5: Report of TCP BBR — Data Link

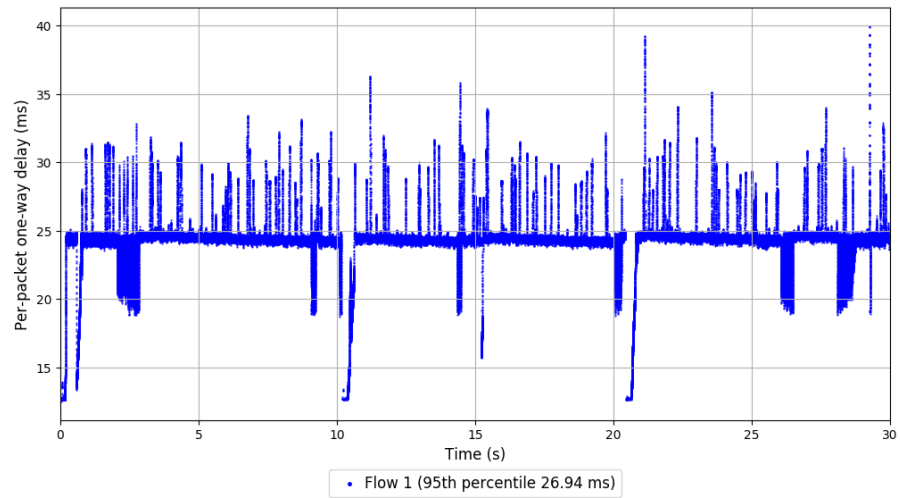
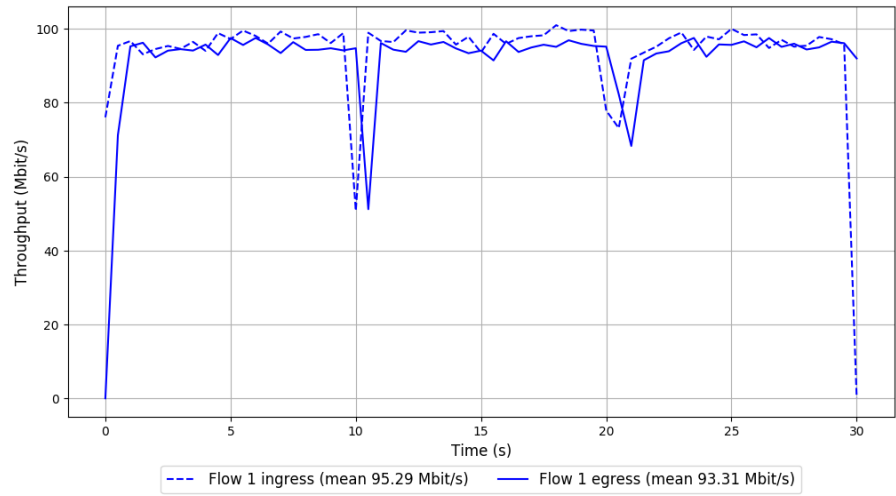


Run 6: Statistics of TCP BBR

Start at: 2018-05-22 11:34:17
End at: 2018-05-22 11:34:47
Local clock offset: 1.897 ms
Remote clock offset: -2.514 ms

Below is generated by plot.py at 2018-05-22 12:58:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 26.941 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 26.941 ms
Loss rate: 2.16%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-22 11:52:29

End at: 2018-05-22 11:52:59

Local clock offset: 2.482 ms

Remote clock offset: 0.24 ms

Below is generated by plot.py at 2018-05-22 12:58:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.64 Mbit/s

95th percentile per-packet one-way delay: 28.489 ms

Loss rate: 3.13%

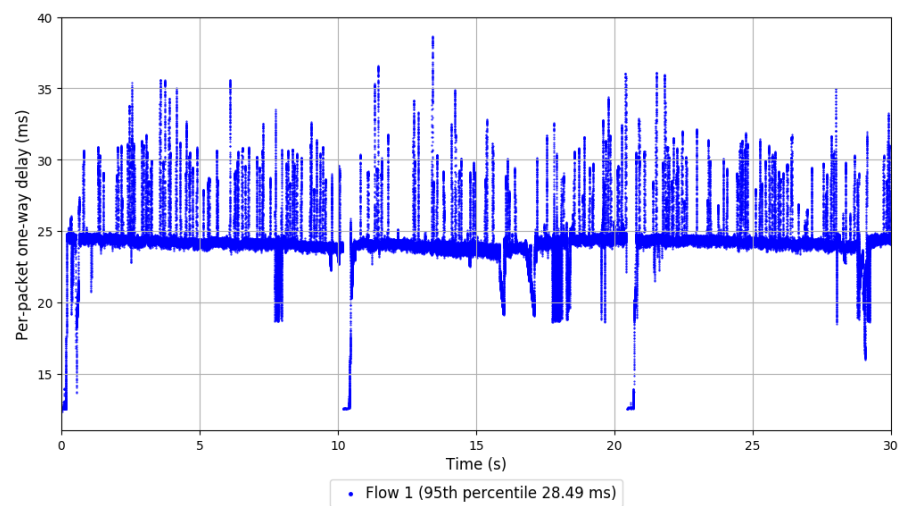
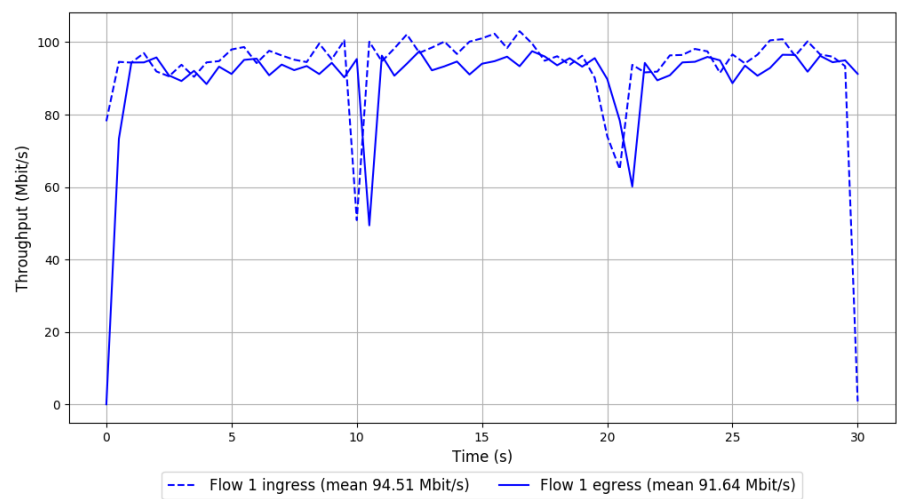
-- Flow 1:

Average throughput: 91.64 Mbit/s

95th percentile per-packet one-way delay: 28.489 ms

Loss rate: 3.13%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-22 12:10:58

End at: 2018-05-22 12:11:28

Local clock offset: 1.974 ms

Remote clock offset: 2.263 ms

Below is generated by plot.py at 2018-05-22 12:58:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.36 Mbit/s

95th percentile per-packet one-way delay: 30.240 ms

Loss rate: 2.12%

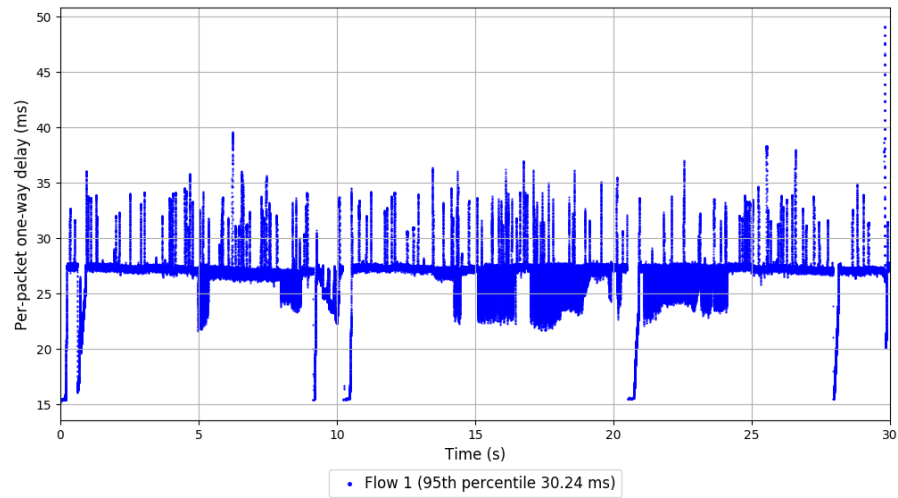
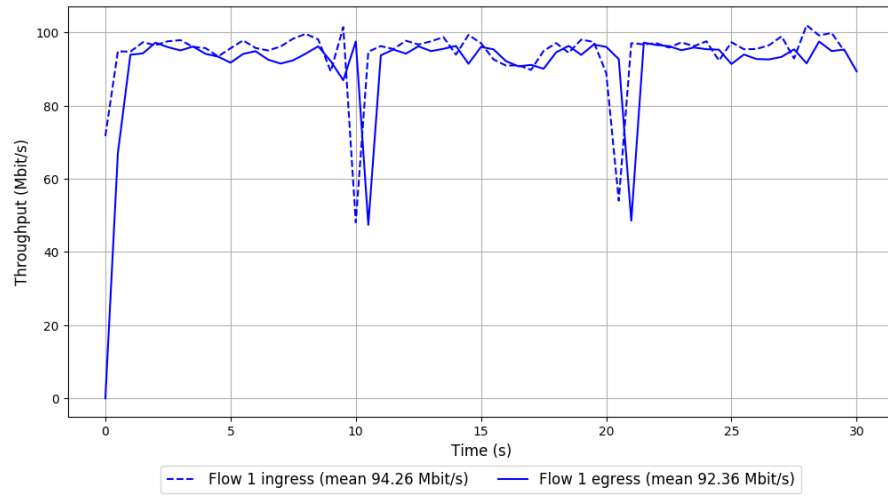
-- Flow 1:

Average throughput: 92.36 Mbit/s

95th percentile per-packet one-way delay: 30.240 ms

Loss rate: 2.12%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-22 12:29:19

End at: 2018-05-22 12:29:49

Local clock offset: 1.528 ms

Remote clock offset: 4.352 ms

Below is generated by plot.py at 2018-05-22 12:59:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.41 Mbit/s

95th percentile per-packet one-way delay: 29.433 ms

Loss rate: 3.63%

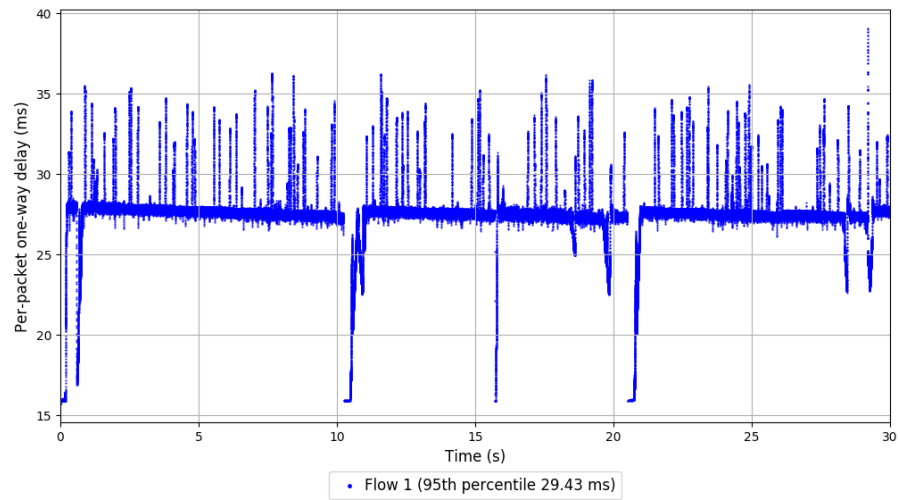
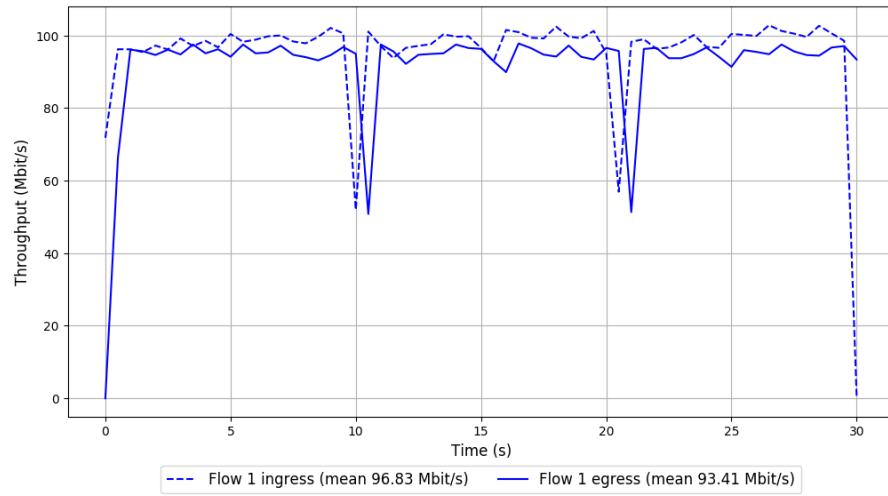
-- Flow 1:

Average throughput: 93.41 Mbit/s

95th percentile per-packet one-way delay: 29.433 ms

Loss rate: 3.63%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-22 12:47:45

End at: 2018-05-22 12:48:15

Local clock offset: 0.442 ms

Remote clock offset: 4.66 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 25.960 ms

Loss rate: 2.94%

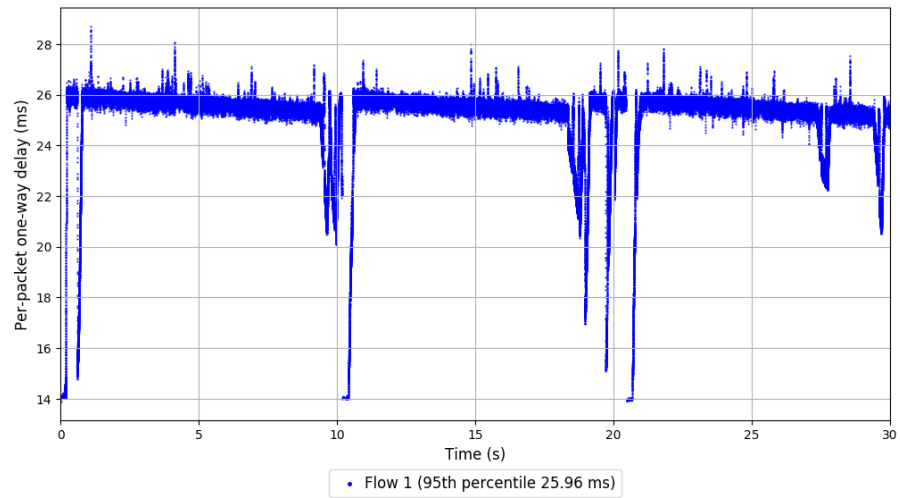
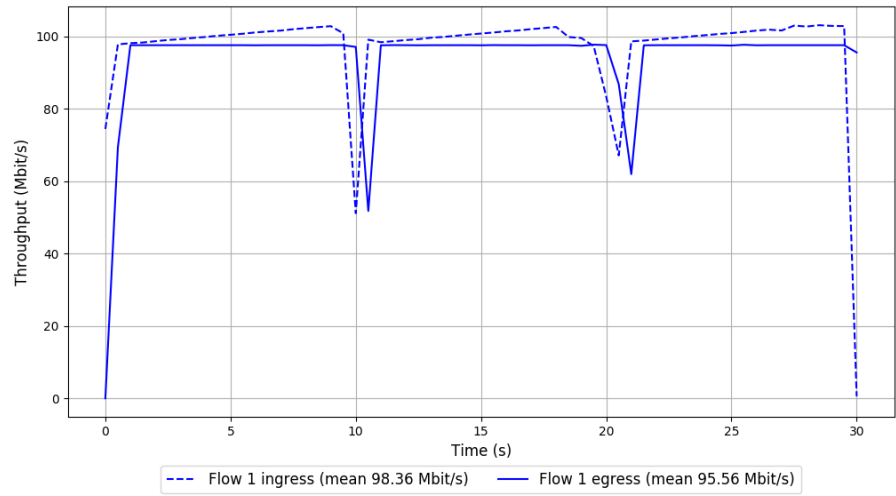
-- Flow 1:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 25.960 ms

Loss rate: 2.94%

Run 10: Report of TCP BBR — Data Link

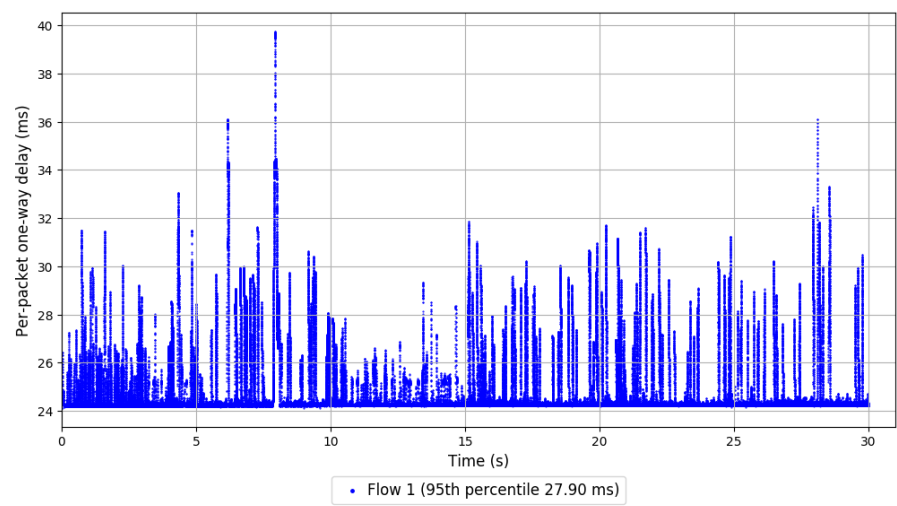
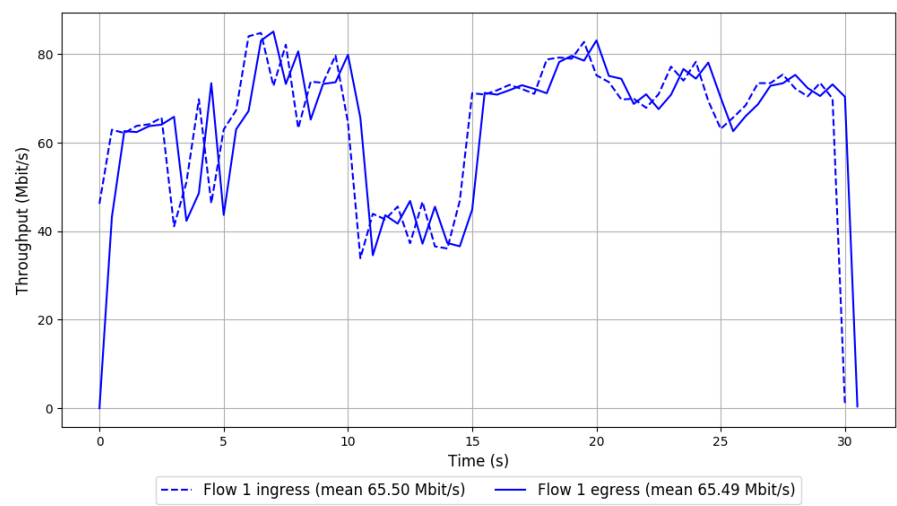


Run 1: Statistics of Copa

Start at: 2018-05-22 10:02:21
End at: 2018-05-22 10:02:51
Local clock offset: -0.786 ms
Remote clock offset: -16.592 ms

Below is generated by plot.py at 2018-05-22 13:00:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.49 Mbit/s
95th percentile per-packet one-way delay: 27.903 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 65.49 Mbit/s
95th percentile per-packet one-way delay: 27.903 ms
Loss rate: 0.09%

Run 1: Report of Copa — Data Link

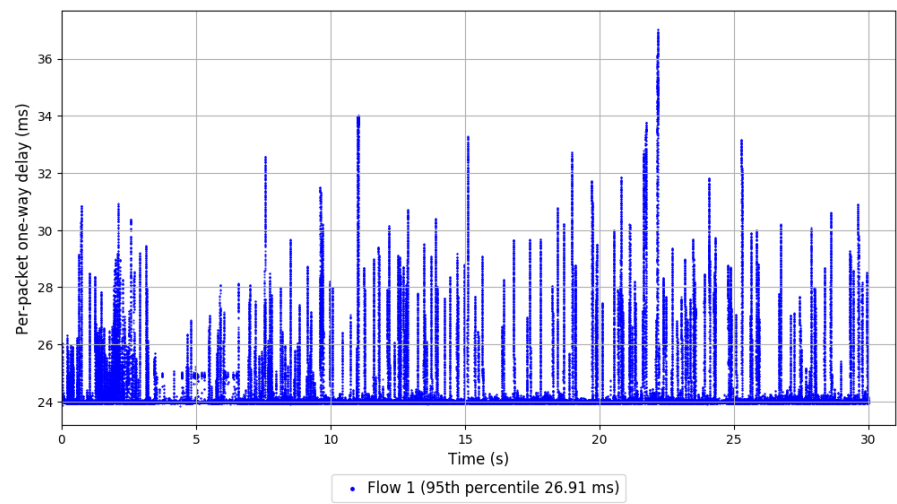
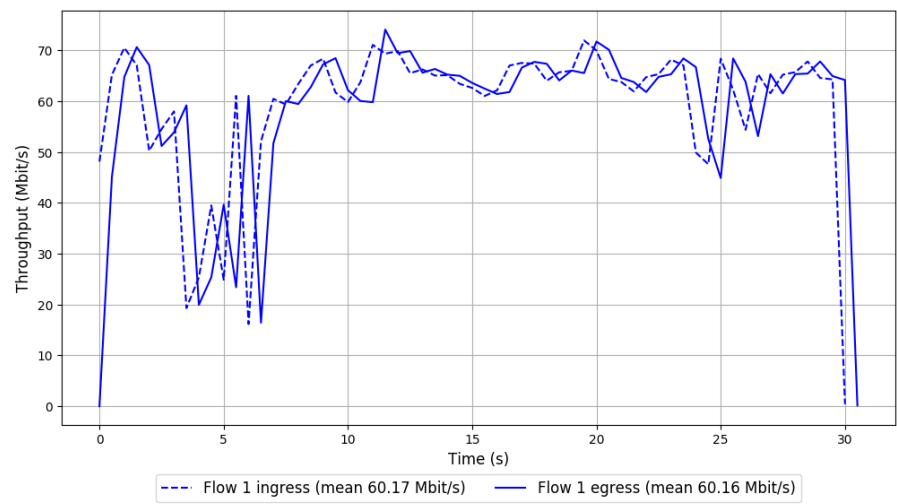


Run 2: Statistics of Copa

Start at: 2018-05-22 10:20:50
End at: 2018-05-22 10:21:20
Local clock offset: 2.056 ms
Remote clock offset: -13.06 ms

Below is generated by plot.py at 2018-05-22 13:00:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.16 Mbit/s
95th percentile per-packet one-way delay: 26.914 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 60.16 Mbit/s
95th percentile per-packet one-way delay: 26.914 ms
Loss rate: 0.09%

Run 2: Report of Copa — Data Link

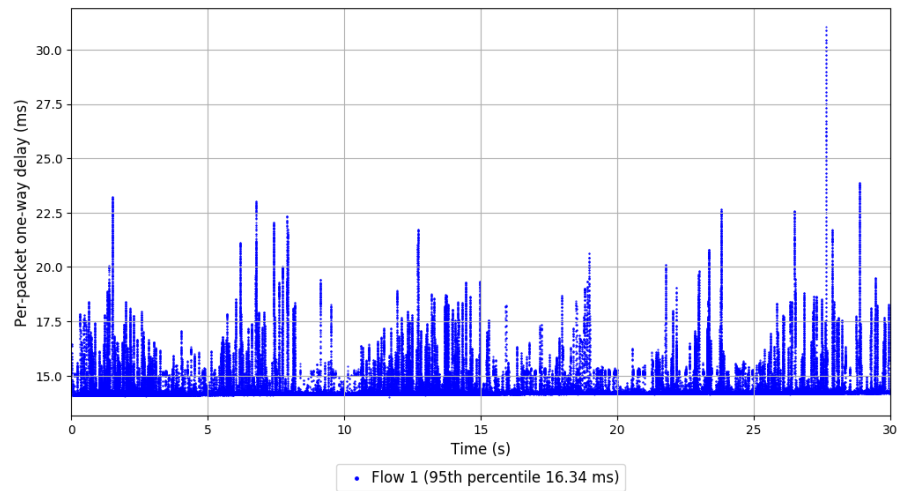
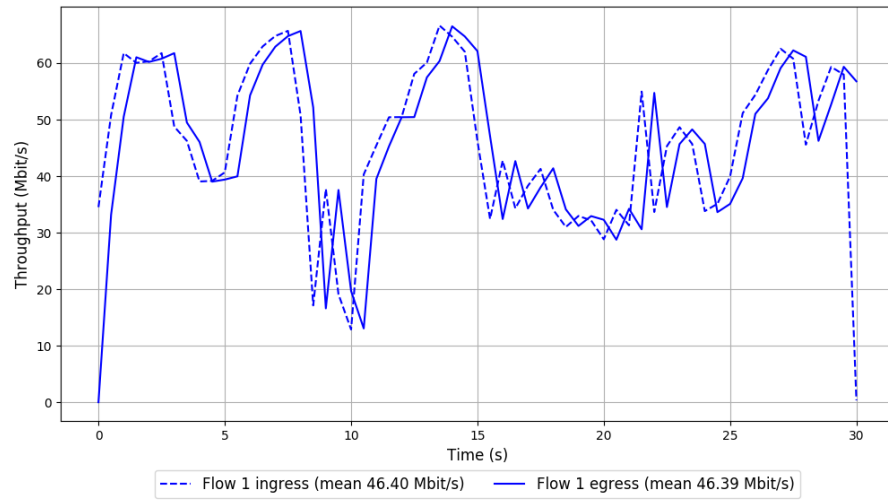


Run 3: Statistics of Copa

Start at: 2018-05-22 10:39:36
End at: 2018-05-22 10:40:06
Local clock offset: -1.129 ms
Remote clock offset: -0.832 ms

Below is generated by plot.py at 2018-05-22 13:00:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.39 Mbit/s
95th percentile per-packet one-way delay: 16.340 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 46.39 Mbit/s
95th percentile per-packet one-way delay: 16.340 ms
Loss rate: 0.12%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-05-22 10:58:14

End at: 2018-05-22 10:58:44

Local clock offset: -0.055 ms

Remote clock offset: 3.083 ms

Below is generated by plot.py at 2018-05-22 13:00:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.53 Mbit/s

95th percentile per-packet one-way delay: 19.489 ms

Loss rate: 0.11%

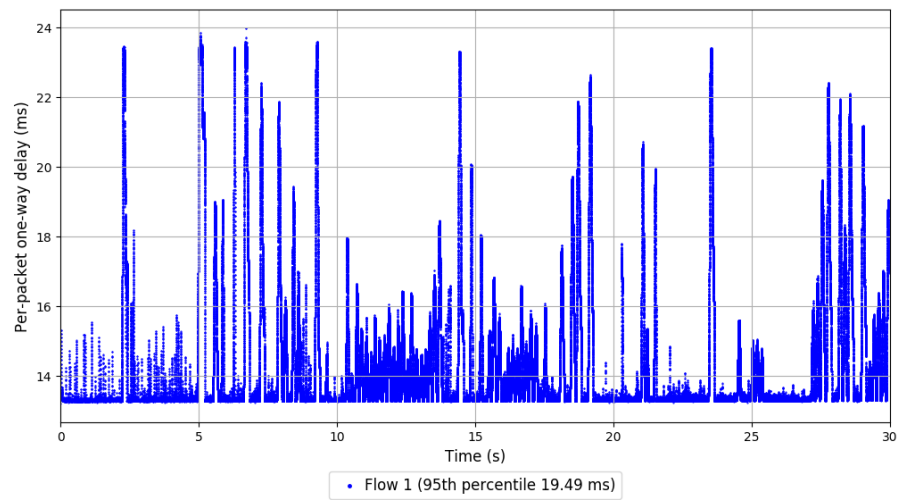
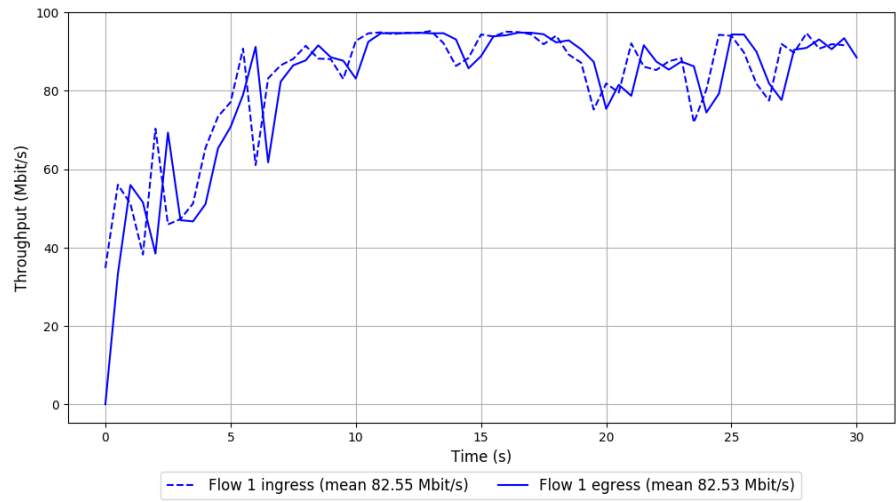
-- Flow 1:

Average throughput: 82.53 Mbit/s

95th percentile per-packet one-way delay: 19.489 ms

Loss rate: 0.11%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-05-22 11:16:49

End at: 2018-05-22 11:17:19

Local clock offset: -1.02 ms

Remote clock offset: -0.77 ms

Below is generated by plot.py at 2018-05-22 13:00:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.21 Mbit/s

95th percentile per-packet one-way delay: 12.503 ms

Loss rate: 0.10%

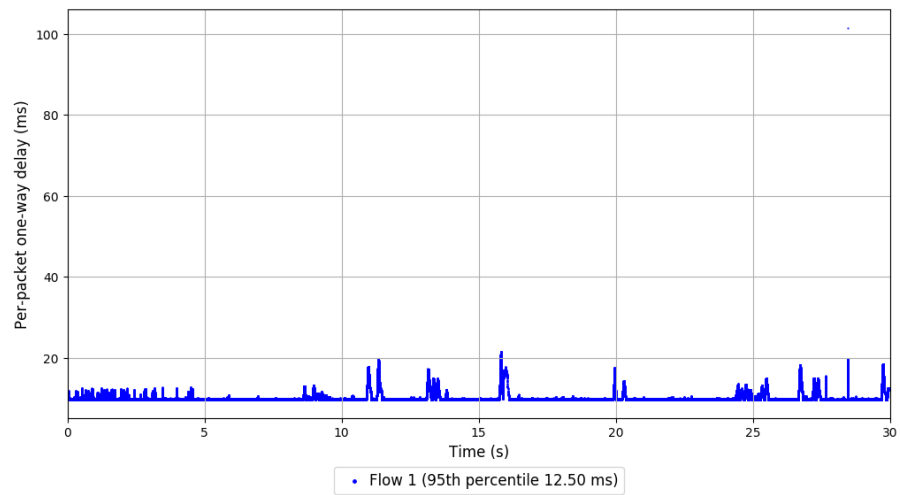
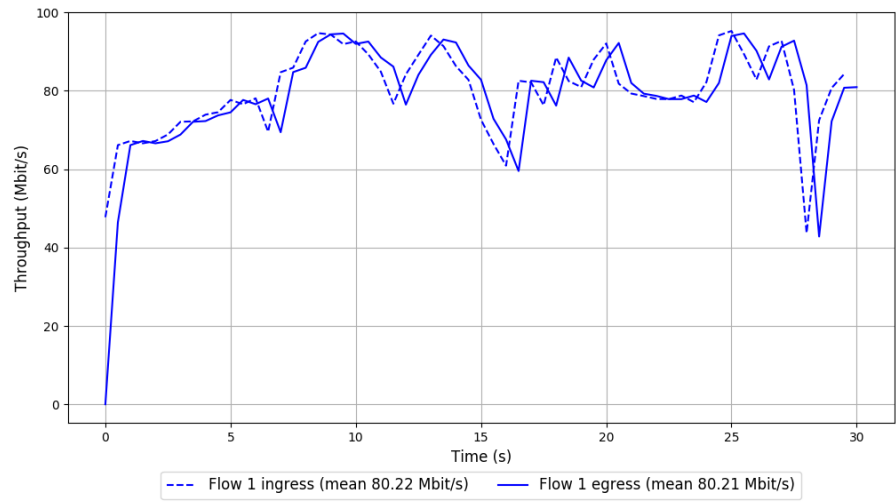
-- Flow 1:

Average throughput: 80.21 Mbit/s

95th percentile per-packet one-way delay: 12.503 ms

Loss rate: 0.10%

Run 5: Report of Copa — Data Link

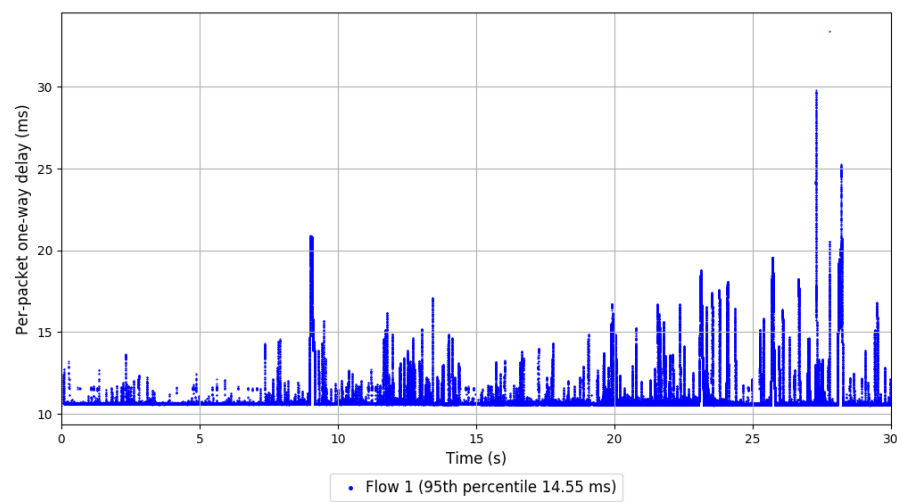
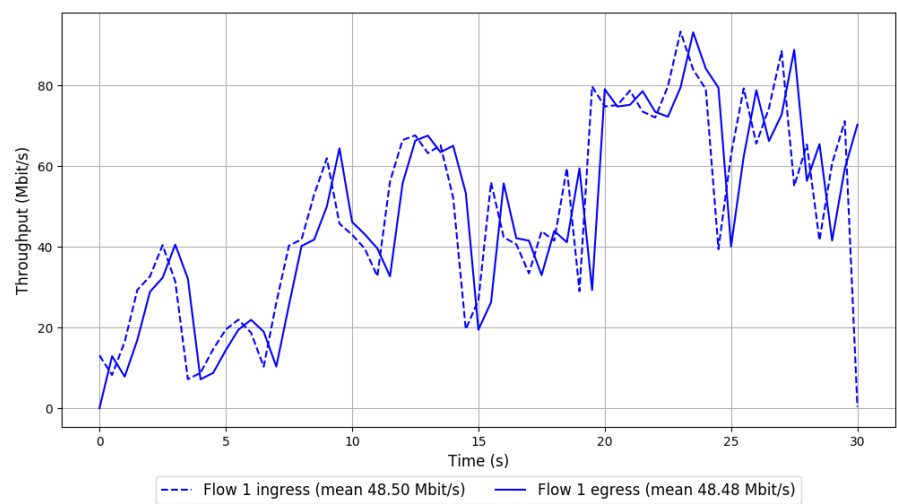


Run 6: Statistics of Copa

Start at: 2018-05-22 11:35:31
End at: 2018-05-22 11:36:01
Local clock offset: -0.219 ms
Remote clock offset: -2.687 ms

Below is generated by plot.py at 2018-05-22 13:00:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.48 Mbit/s
95th percentile per-packet one-way delay: 14.551 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 48.48 Mbit/s
95th percentile per-packet one-way delay: 14.551 ms
Loss rate: 0.12%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-05-22 11:53:43

End at: 2018-05-22 11:54:13

Local clock offset: 1.445 ms

Remote clock offset: 0.254 ms

Below is generated by plot.py at 2018-05-22 13:00:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.44 Mbit/s

95th percentile per-packet one-way delay: 21.155 ms

Loss rate: 0.03%

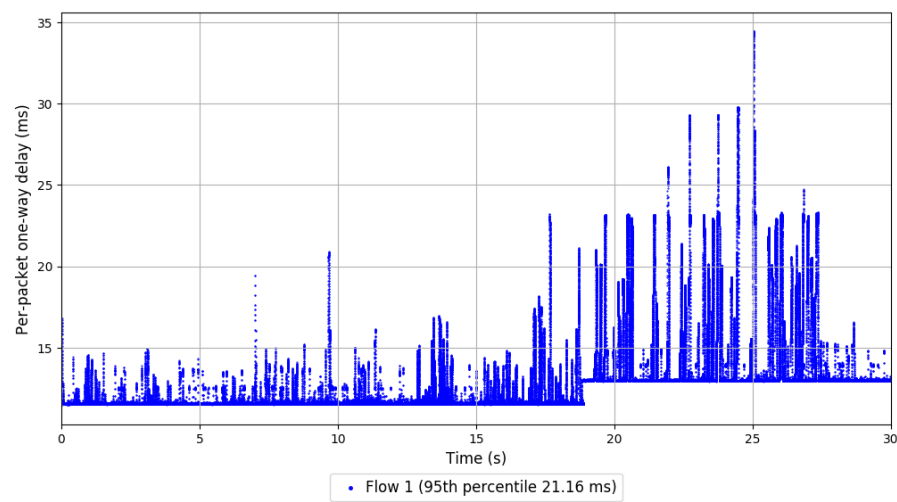
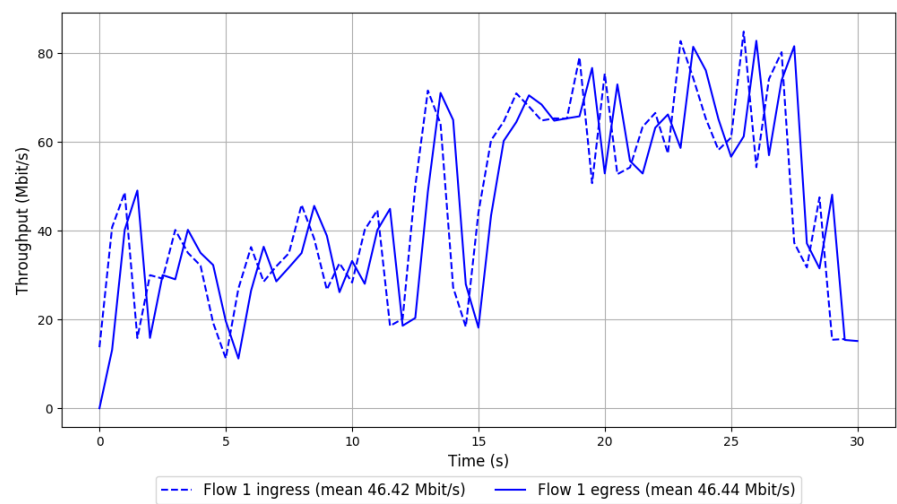
-- Flow 1:

Average throughput: 46.44 Mbit/s

95th percentile per-packet one-way delay: 21.155 ms

Loss rate: 0.03%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

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

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

Local clock offset: 1.466 ms

Remote clock offset: 2.672 ms

Below is generated by plot.py at 2018-05-22 13:00:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.62 Mbit/s

95th percentile per-packet one-way delay: 20.561 ms

Loss rate: 0.12%

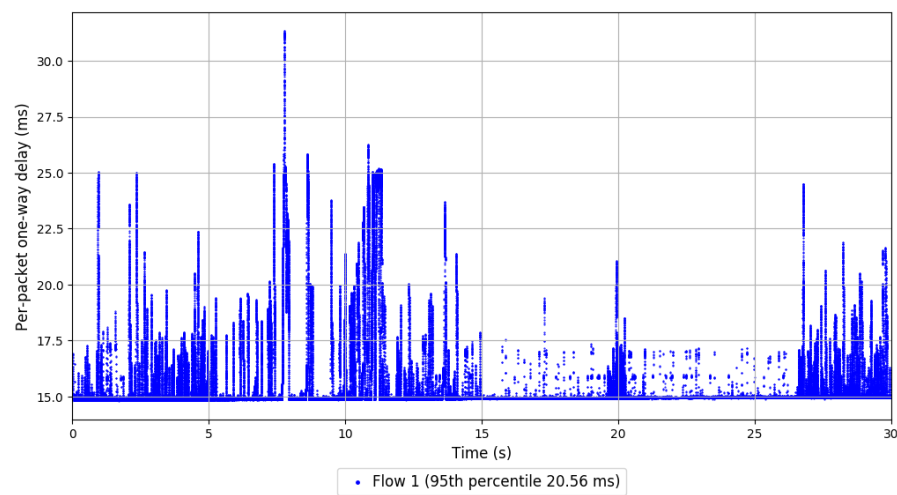
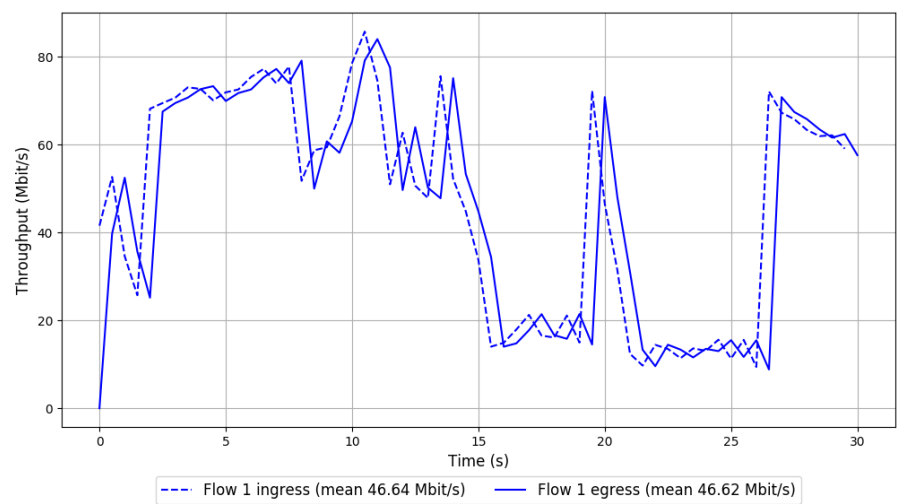
-- Flow 1:

Average throughput: 46.62 Mbit/s

95th percentile per-packet one-way delay: 20.561 ms

Loss rate: 0.12%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

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

End at: 2018-05-22 12:31:00

Local clock offset: -0.617 ms

Remote clock offset: 2.793 ms

Below is generated by plot.py at 2018-05-22 13:01:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.81 Mbit/s

95th percentile per-packet one-way delay: 19.986 ms

Loss rate: 0.14%

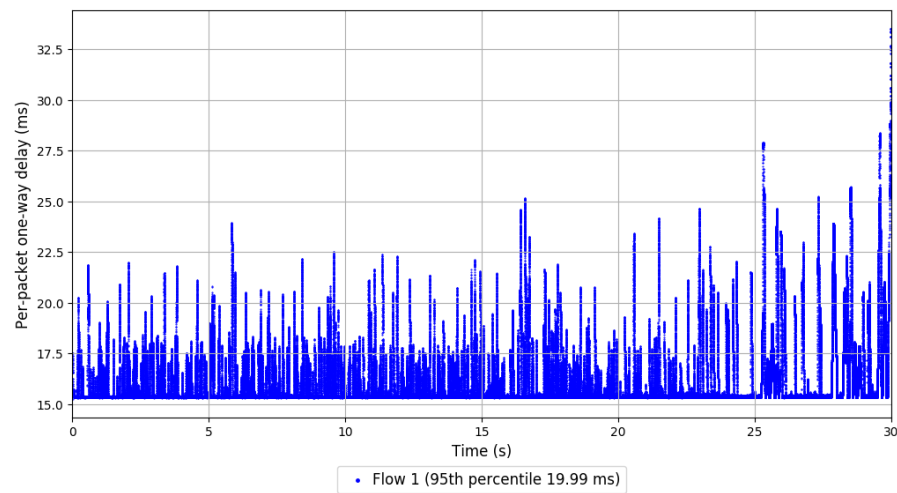
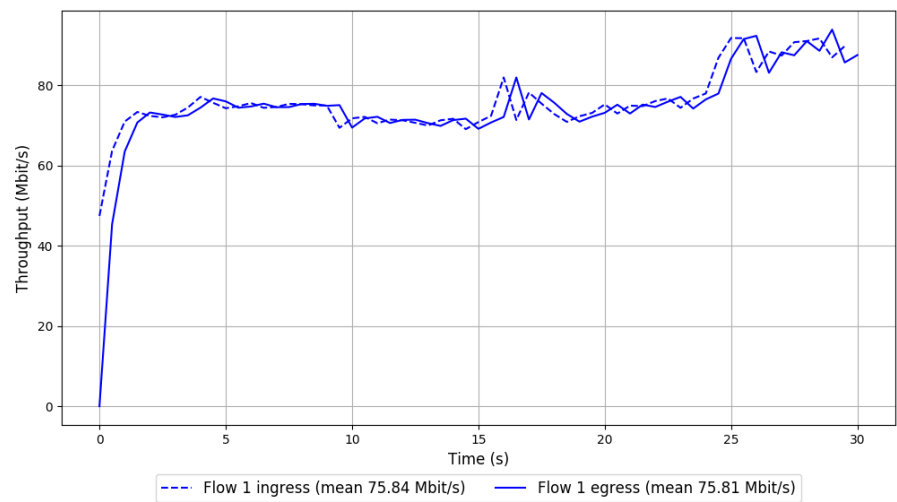
-- Flow 1:

Average throughput: 75.81 Mbit/s

95th percentile per-packet one-way delay: 19.986 ms

Loss rate: 0.14%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-22 12:49:01

End at: 2018-05-22 12:49:31

Local clock offset: 1.537 ms

Remote clock offset: 3.604 ms

Below is generated by plot.py at 2018-05-22 13:01:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.12 Mbit/s

95th percentile per-packet one-way delay: 19.894 ms

Loss rate: 0.09%

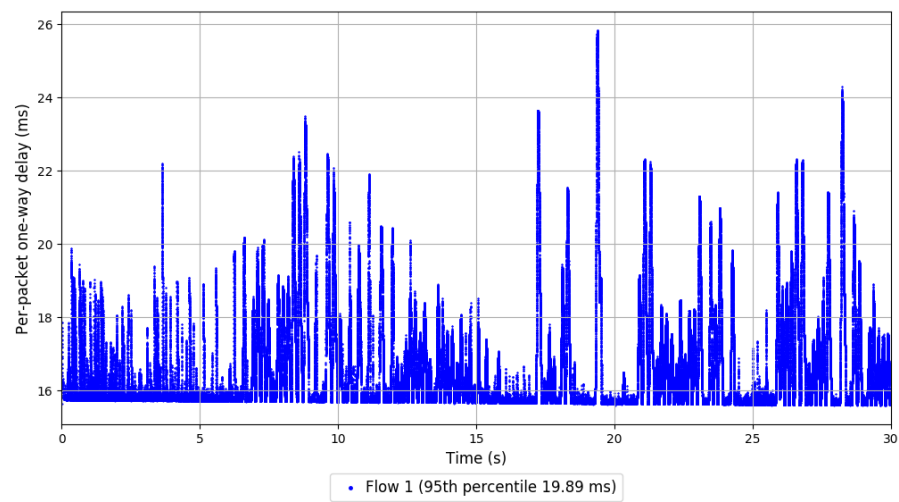
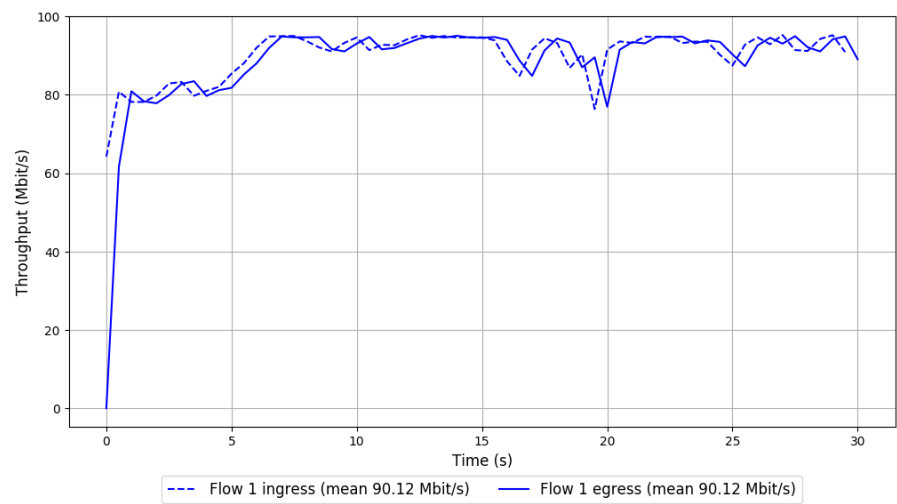
-- Flow 1:

Average throughput: 90.12 Mbit/s

95th percentile per-packet one-way delay: 19.894 ms

Loss rate: 0.09%

Run 10: Report of Copa — Data Link

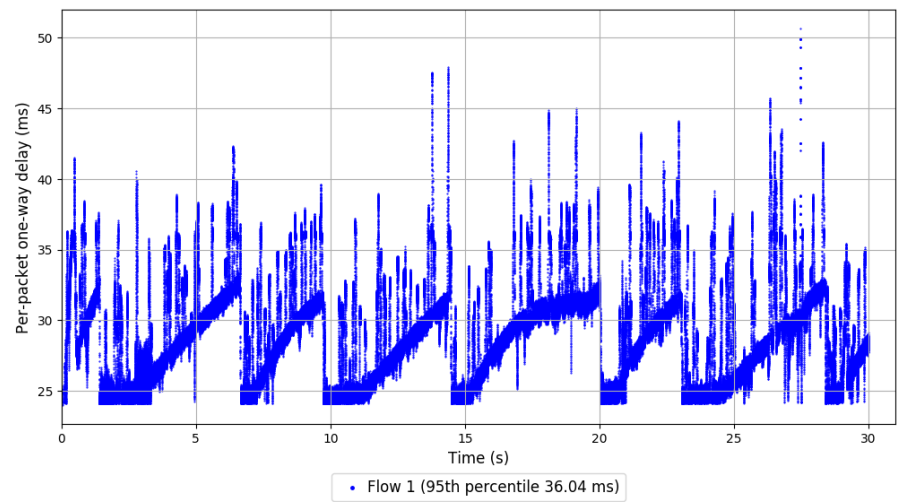
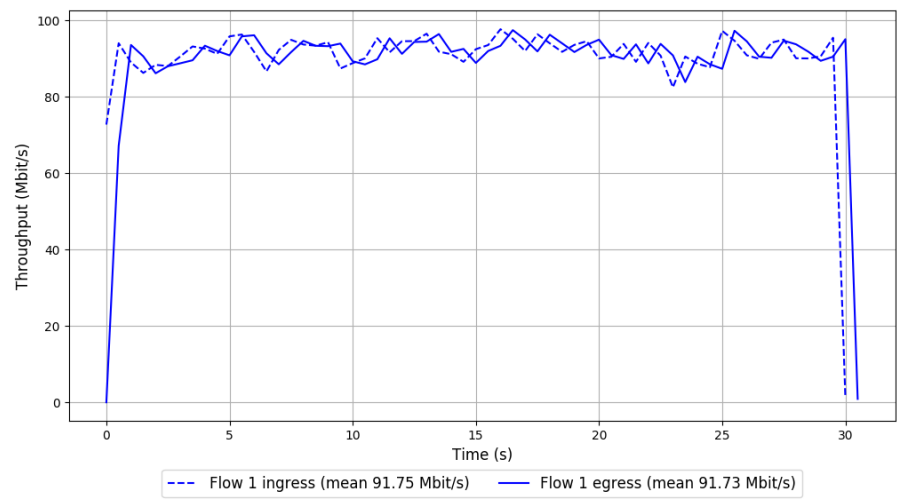


Run 1: Statistics of TCP Cubic

Start at: 2018-05-22 10:06:48
End at: 2018-05-22 10:07:18
Local clock offset: 1.313 ms
Remote clock offset: -14.102 ms

Below is generated by plot.py at 2018-05-22 13:01:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 36.042 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 36.042 ms
Loss rate: 0.11%

Run 1: Report of TCP Cubic — Data Link

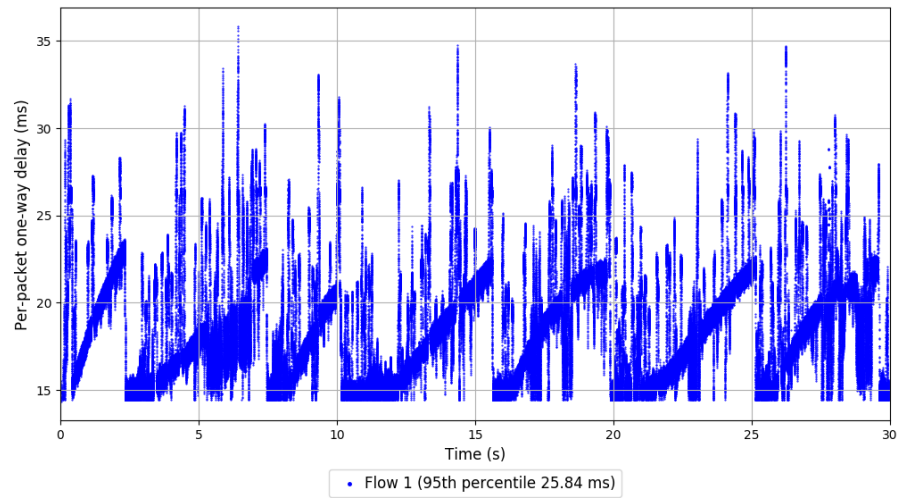
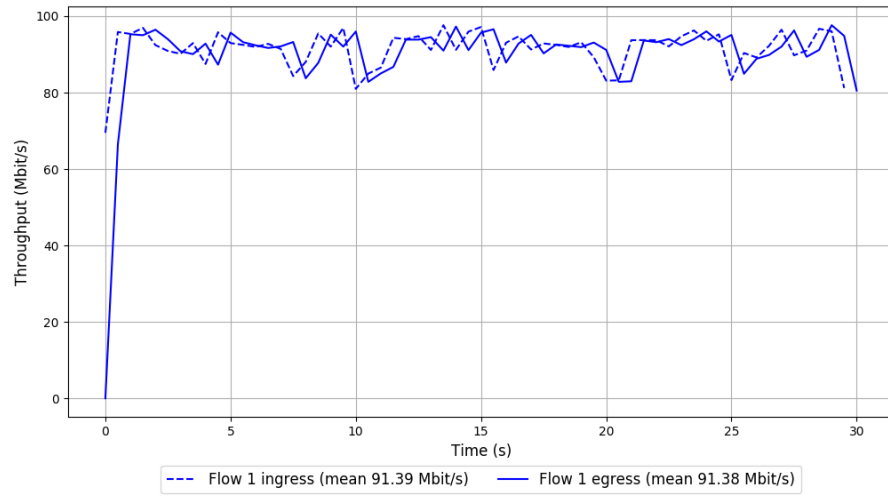


Run 2: Statistics of TCP Cubic

Start at: 2018-05-22 10:25:20
End at: 2018-05-22 10:25:50
Local clock offset: 2.113 ms
Remote clock offset: -2.503 ms

Below is generated by plot.py at 2018-05-22 13:01:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.38 Mbit/s
95th percentile per-packet one-way delay: 25.837 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.38 Mbit/s
95th percentile per-packet one-way delay: 25.837 ms
Loss rate: 0.09%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-22 10:44:04

End at: 2018-05-22 10:44:34

Local clock offset: 1.298 ms

Remote clock offset: 1.477 ms

Below is generated by plot.py at 2018-05-22 13:01:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 26.420 ms

Loss rate: 0.09%

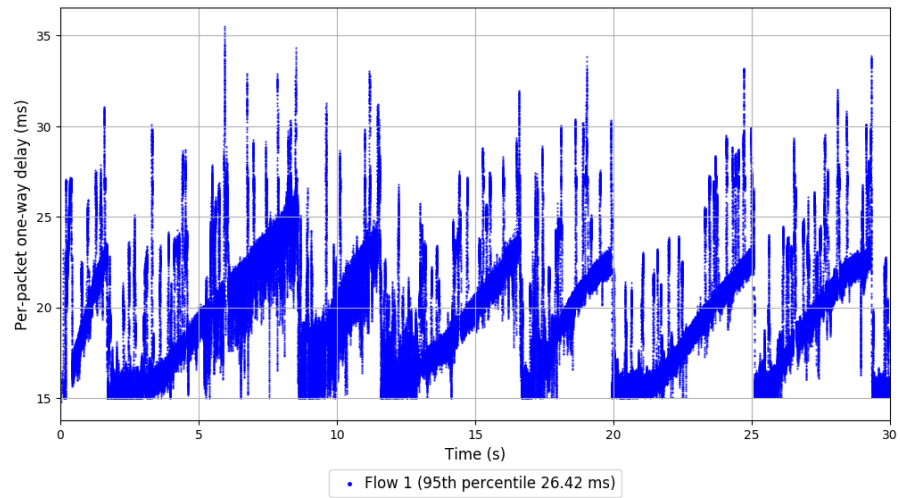
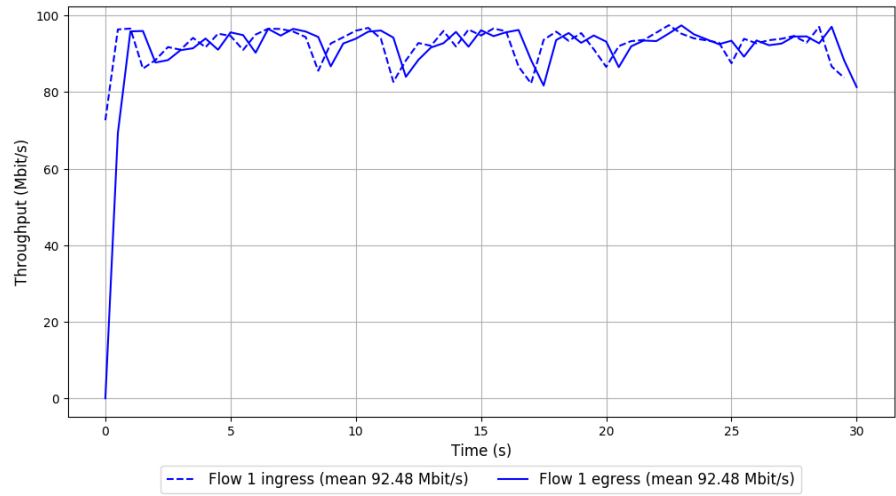
-- Flow 1:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 26.420 ms

Loss rate: 0.09%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-22 11:02:50

End at: 2018-05-22 11:03:20

Local clock offset: 1.794 ms

Remote clock offset: 0.581 ms

Below is generated by plot.py at 2018-05-22 13:01:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.17 Mbit/s

95th percentile per-packet one-way delay: 24.355 ms

Loss rate: 0.20%

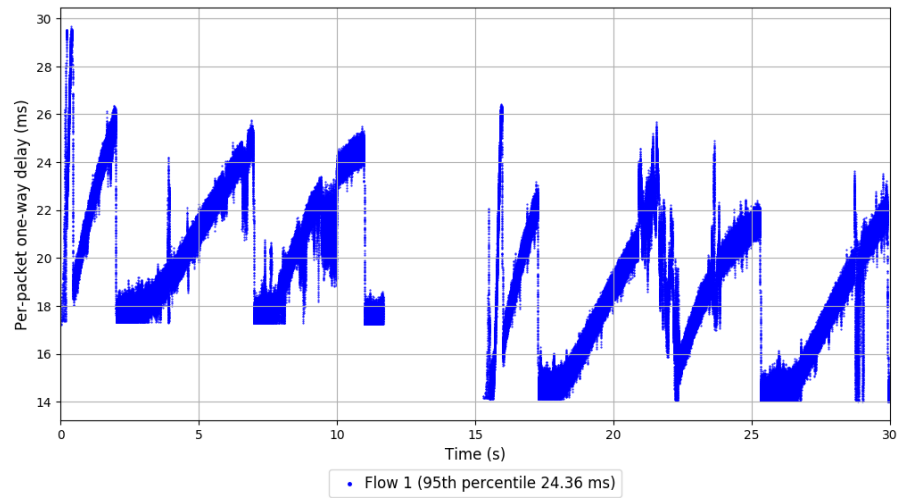
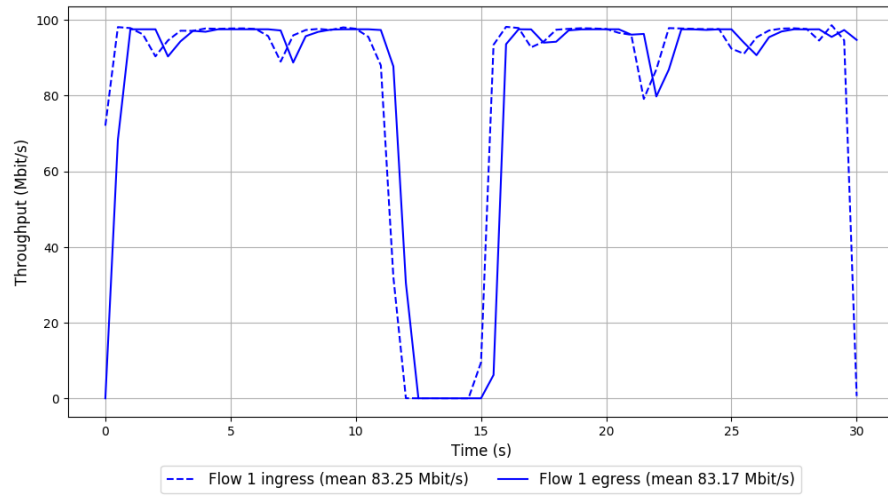
-- Flow 1:

Average throughput: 83.17 Mbit/s

95th percentile per-packet one-way delay: 24.355 ms

Loss rate: 0.20%

Run 4: Report of TCP Cubic — Data Link

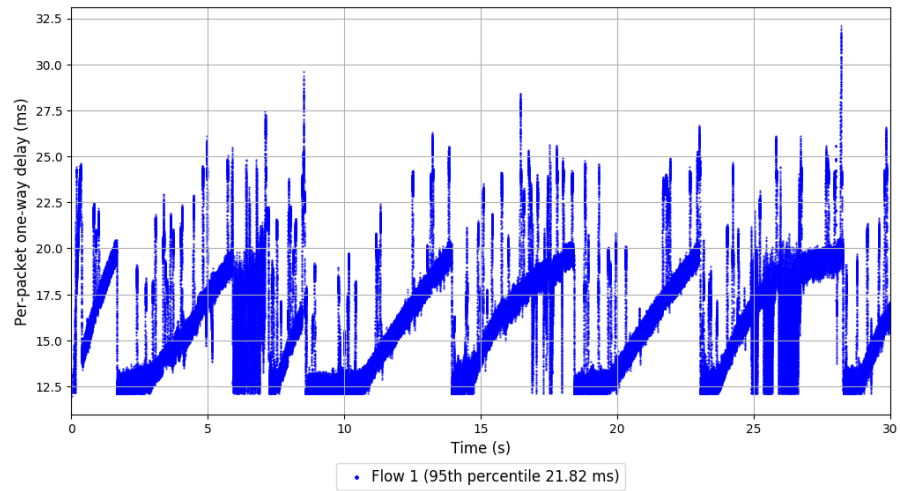
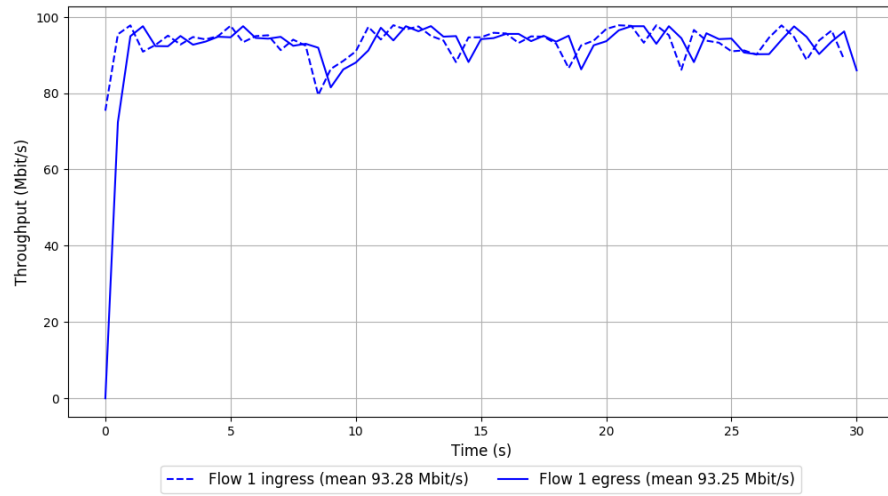


Run 5: Statistics of TCP Cubic

Start at: 2018-05-22 11:21:20
End at: 2018-05-22 11:21:50
Local clock offset: -0.777 ms
Remote clock offset: -3.279 ms

Below is generated by plot.py at 2018-05-22 13:01:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 21.817 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 21.817 ms
Loss rate: 0.11%

Run 5: Report of TCP Cubic — Data Link

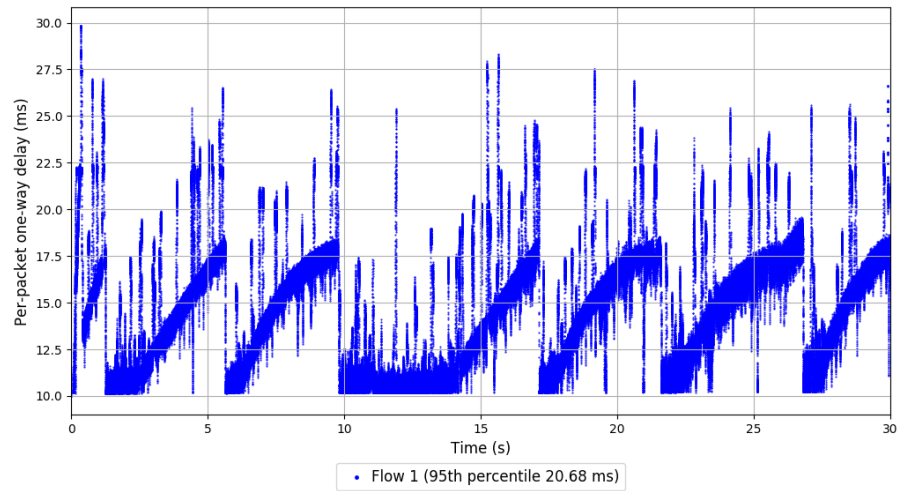
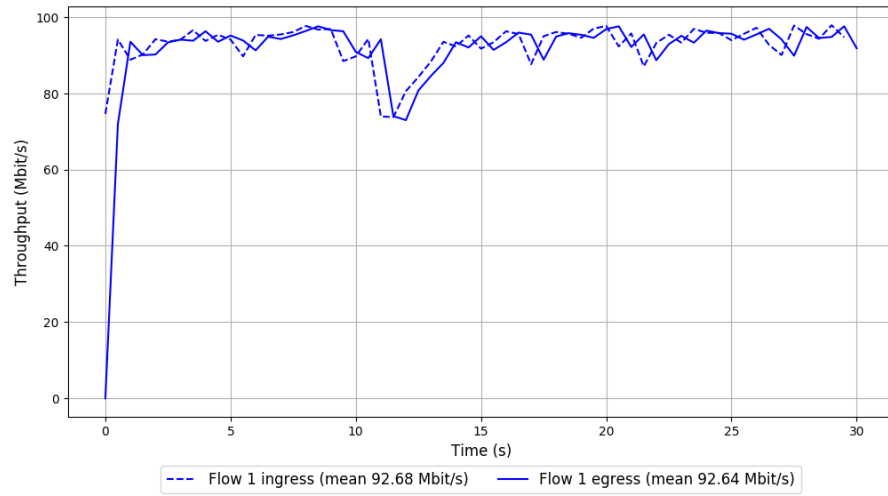


Run 6: Statistics of TCP Cubic

Start at: 2018-05-22 11:40:00
End at: 2018-05-22 11:40:30
Local clock offset: 0.263 ms
Remote clock offset: -0.951 ms

Below is generated by plot.py at 2018-05-22 13:02:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 20.681 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 20.681 ms
Loss rate: 0.13%

Run 6: Report of TCP Cubic — Data Link

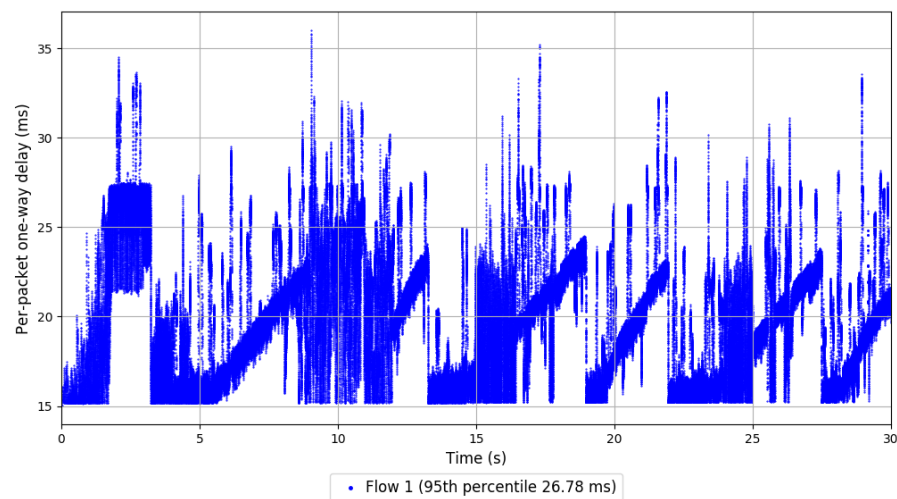
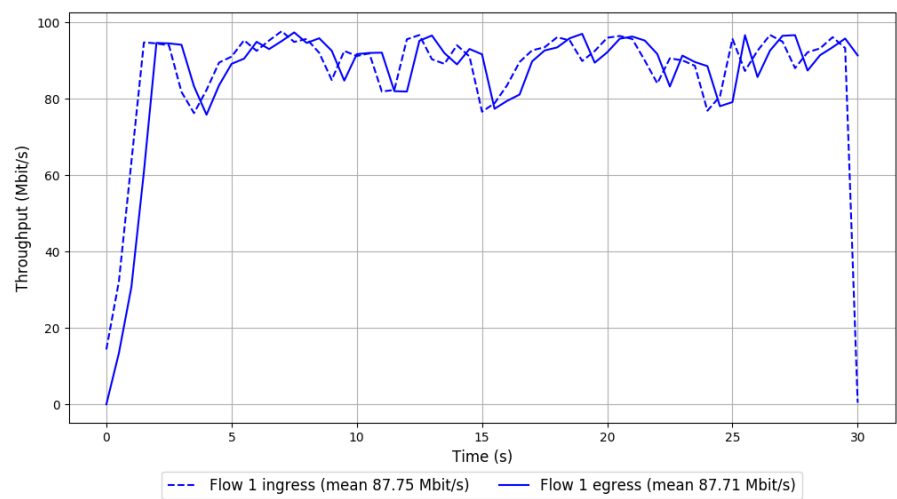


Run 7: Statistics of TCP Cubic

Start at: 2018-05-22 11:58:11
End at: 2018-05-22 11:58:41
Local clock offset: 0.639 ms
Remote clock offset: -0.712 ms

Below is generated by plot.py at 2018-05-22 13:02:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.71 Mbit/s
95th percentile per-packet one-way delay: 26.783 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 87.71 Mbit/s
95th percentile per-packet one-way delay: 26.783 ms
Loss rate: 0.12%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-05-22 12:16:37

End at: 2018-05-22 12:17:07

Local clock offset: 0.004 ms

Remote clock offset: 3.048 ms

Below is generated by plot.py at 2018-05-22 13:02:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.63 Mbit/s

95th percentile per-packet one-way delay: 24.952 ms

Loss rate: 0.12%

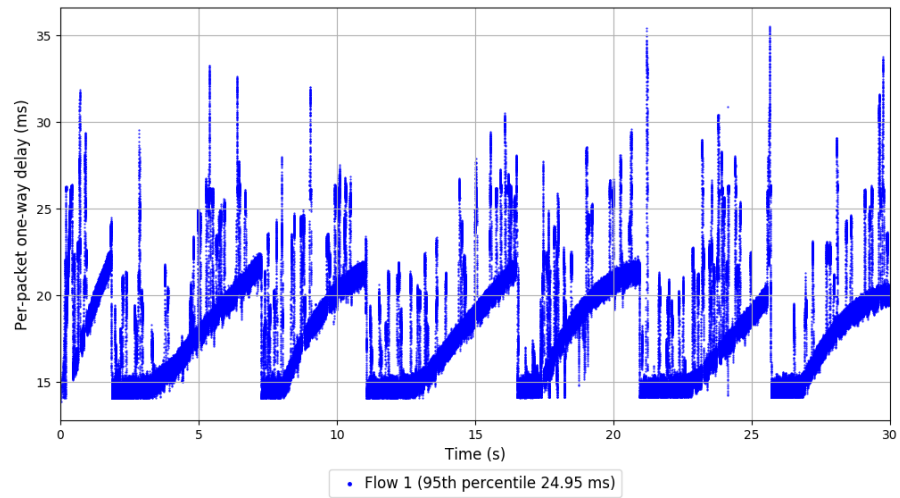
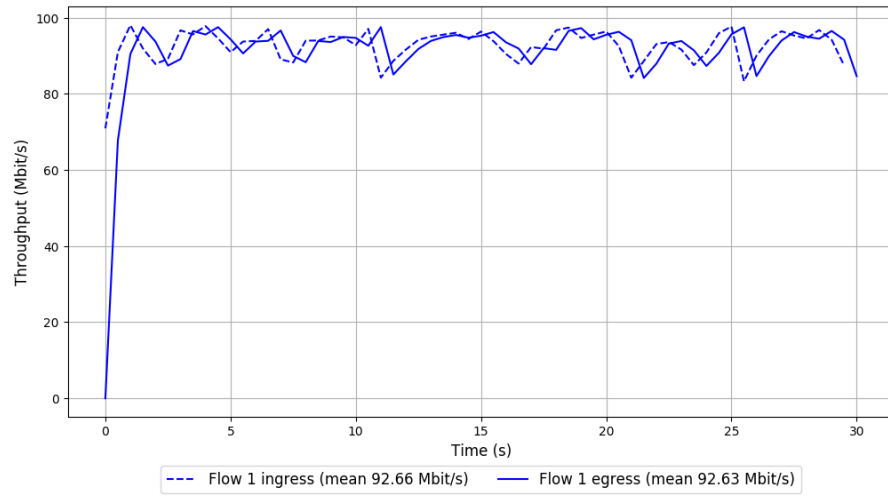
-- Flow 1:

Average throughput: 92.63 Mbit/s

95th percentile per-packet one-way delay: 24.952 ms

Loss rate: 0.12%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-22 12:35:00

End at: 2018-05-22 12:35:30

Local clock offset: 2.335 ms

Remote clock offset: 3.413 ms

Below is generated by plot.py at 2018-05-22 13:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.05 Mbit/s

95th percentile per-packet one-way delay: 25.671 ms

Loss rate: 0.09%

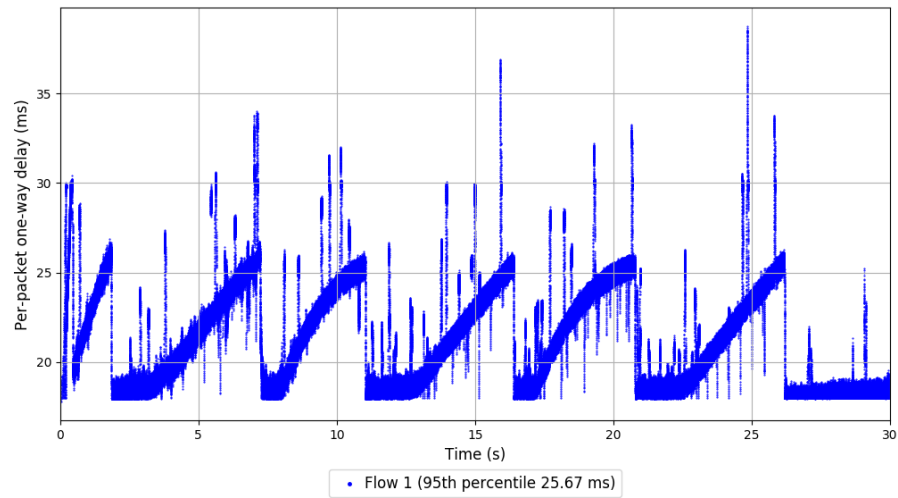
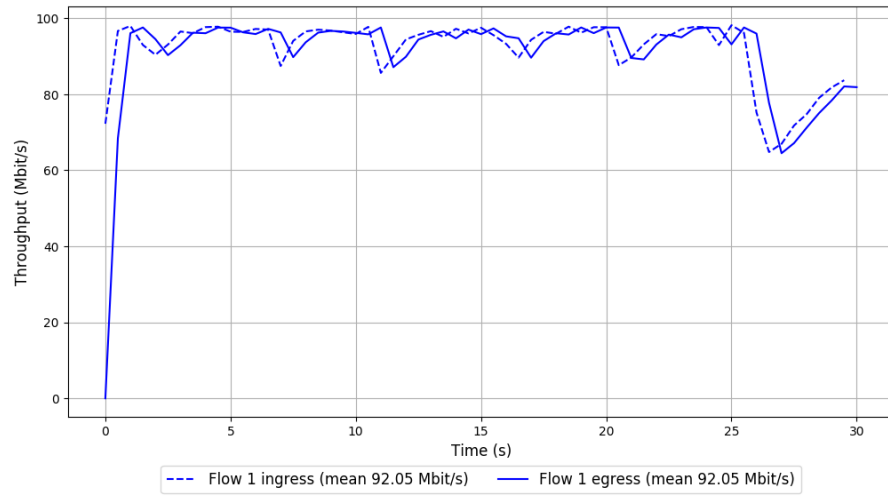
-- Flow 1:

Average throughput: 92.05 Mbit/s

95th percentile per-packet one-way delay: 25.671 ms

Loss rate: 0.09%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-22 12:53:38

End at: 2018-05-22 12:54:09

Local clock offset: 0.007 ms

Remote clock offset: 1.195 ms

Below is generated by plot.py at 2018-05-22 13:02:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.48 Mbit/s

95th percentile per-packet one-way delay: 22.904 ms

Loss rate: 0.12%

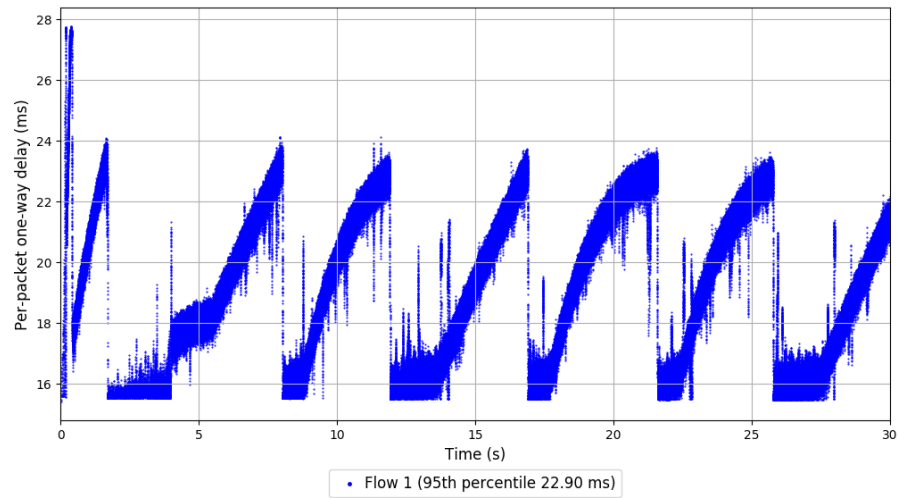
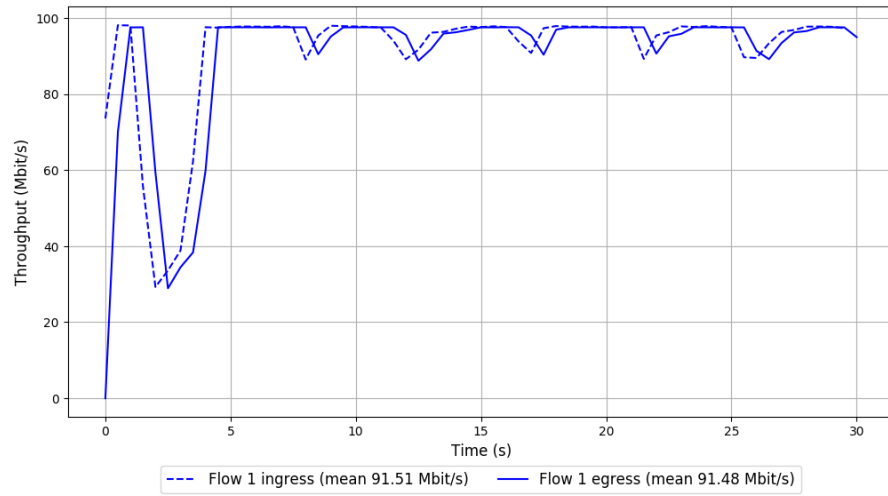
-- Flow 1:

Average throughput: 91.48 Mbit/s

95th percentile per-packet one-way delay: 22.904 ms

Loss rate: 0.12%

Run 10: Report of TCP Cubic — Data Link

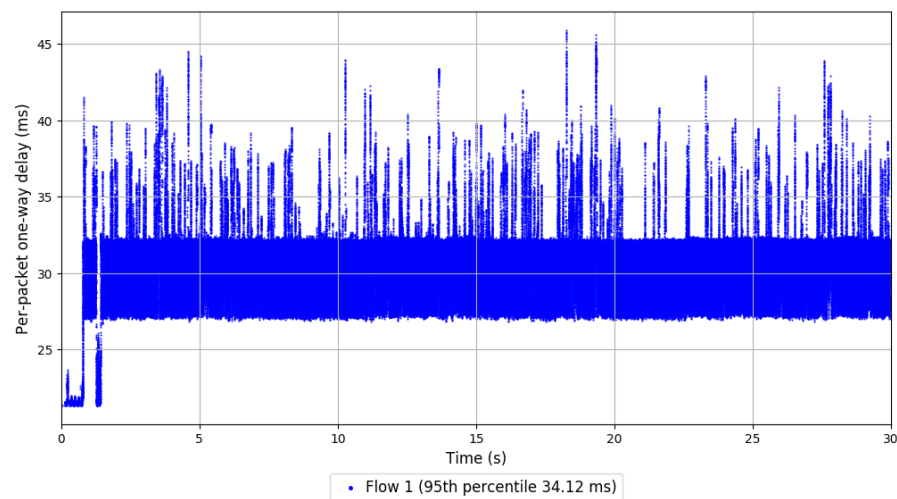
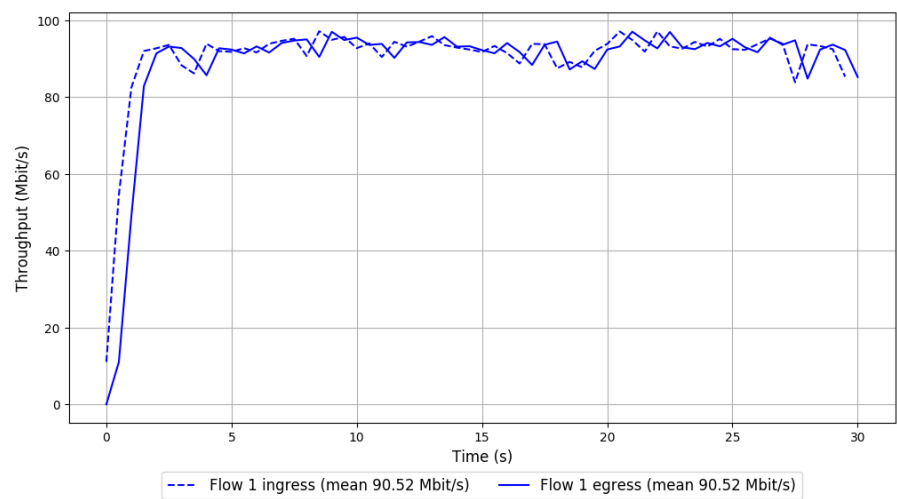


Run 1: Statistics of FillP

Start at: 2018-05-22 09:56:35
End at: 2018-05-22 09:57:05
Local clock offset: 2.75 ms
Remote clock offset: -10.966 ms

Below is generated by plot.py at 2018-05-22 13:03:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.52 Mbit/s
95th percentile per-packet one-way delay: 34.122 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 90.52 Mbit/s
95th percentile per-packet one-way delay: 34.122 ms
Loss rate: 0.10%

Run 1: Report of FillP — Data Link

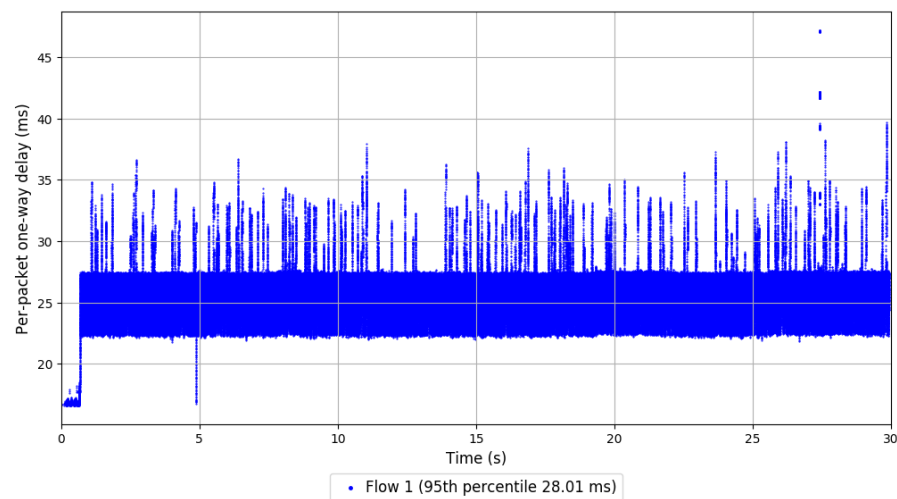
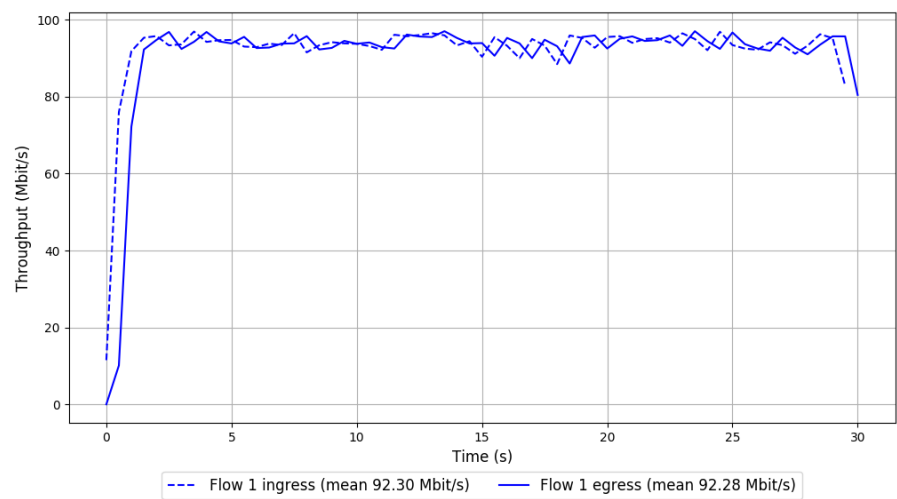


Run 2: Statistics of FillP

Start at: 2018-05-22 10:15:05
End at: 2018-05-22 10:15:35
Local clock offset: 0.826 ms
Remote clock offset: -7.078 ms

Below is generated by plot.py at 2018-05-22 13:03:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 28.007 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 28.007 ms
Loss rate: 0.12%

Run 2: Report of FillP — Data Link

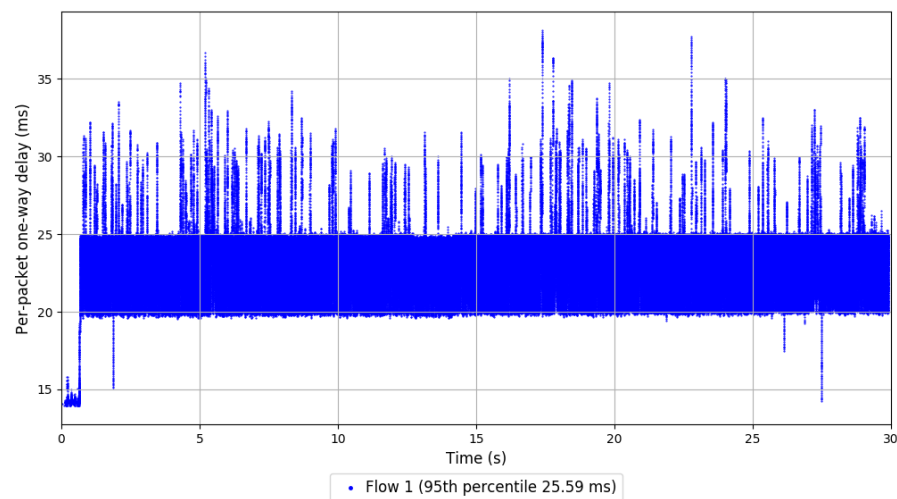
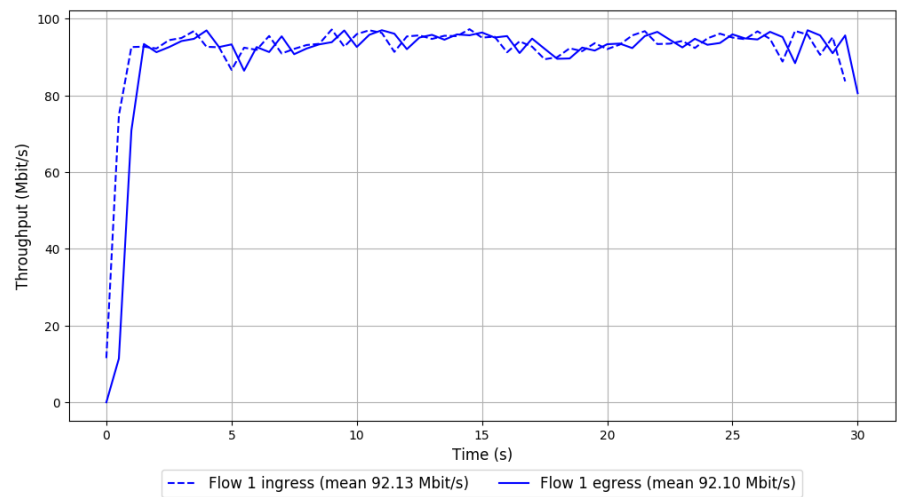


Run 3: Statistics of FillP

Start at: 2018-05-22 10:33:39
End at: 2018-05-22 10:34:09
Local clock offset: -1.063 ms
Remote clock offset: -2.333 ms

Below is generated by plot.py at 2018-05-22 13:03:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.10 Mbit/s
95th percentile per-packet one-way delay: 25.593 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.10 Mbit/s
95th percentile per-packet one-way delay: 25.593 ms
Loss rate: 0.13%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-05-22 10:52:21

End at: 2018-05-22 10:52:51

Local clock offset: -0.863 ms

Remote clock offset: 2.754 ms

Below is generated by plot.py at 2018-05-22 13:03:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.45 Mbit/s

95th percentile per-packet one-way delay: 23.549 ms

Loss rate: 0.14%

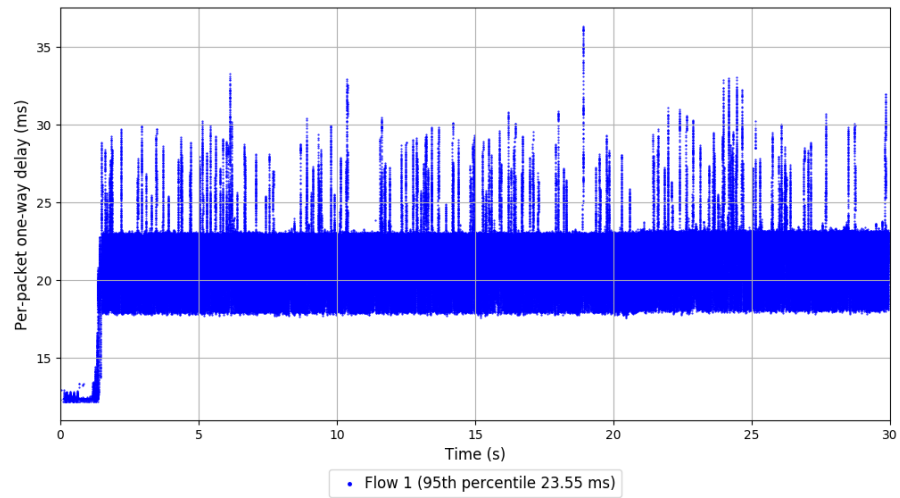
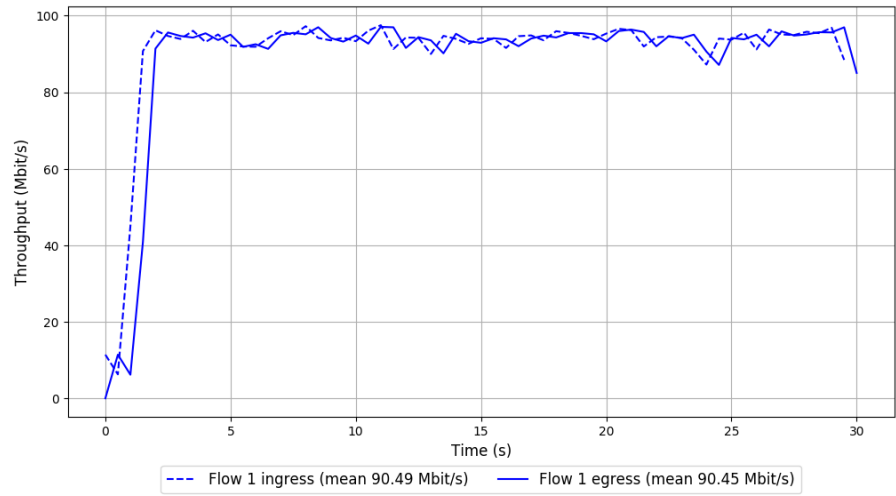
-- Flow 1:

Average throughput: 90.45 Mbit/s

95th percentile per-packet one-way delay: 23.549 ms

Loss rate: 0.14%

Run 4: Report of FillP — Data Link

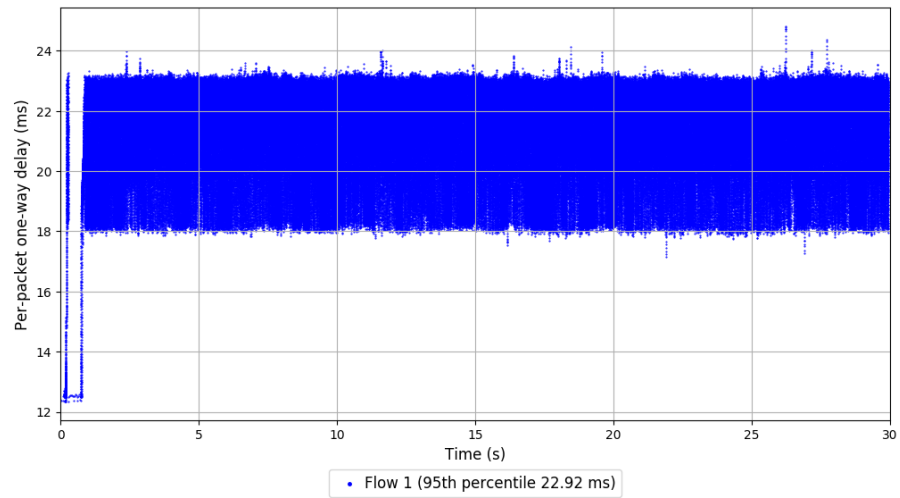
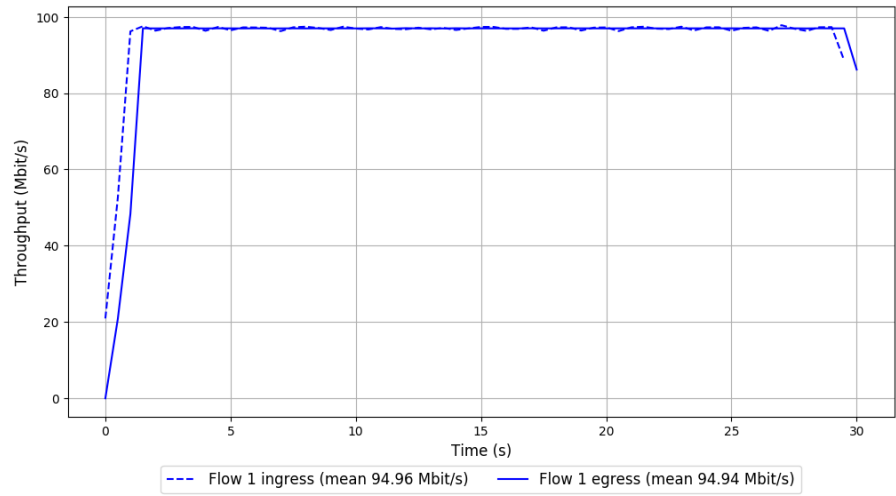


Run 5: Statistics of FillP

Start at: 2018-05-22 11:11:01
End at: 2018-05-22 11:11:31
Local clock offset: -0.455 ms
Remote clock offset: -2.179 ms

Below is generated by plot.py at 2018-05-22 13:03:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 22.919 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 22.919 ms
Loss rate: 0.12%

Run 5: Report of FillP — Data Link

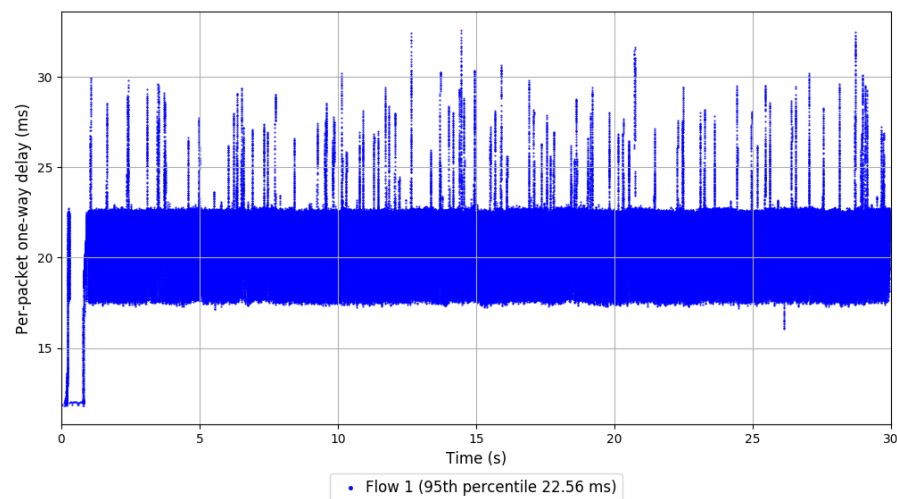
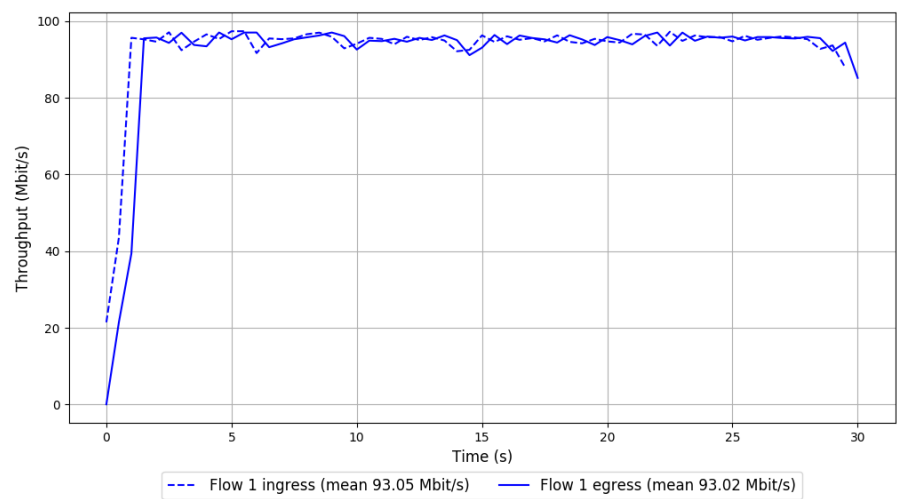


Run 6: Statistics of FillP

Start at: 2018-05-22 11:29:44
End at: 2018-05-22 11:30:14
Local clock offset: -0.812 ms
Remote clock offset: -4.027 ms

Below is generated by plot.py at 2018-05-22 13:03:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 22.560 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 22.560 ms
Loss rate: 0.11%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-22 11:48:00

End at: 2018-05-22 11:48:30

Local clock offset: 0.912 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-05-22 13:04:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.19 Mbit/s

95th percentile per-packet one-way delay: 23.060 ms

Loss rate: 0.11%

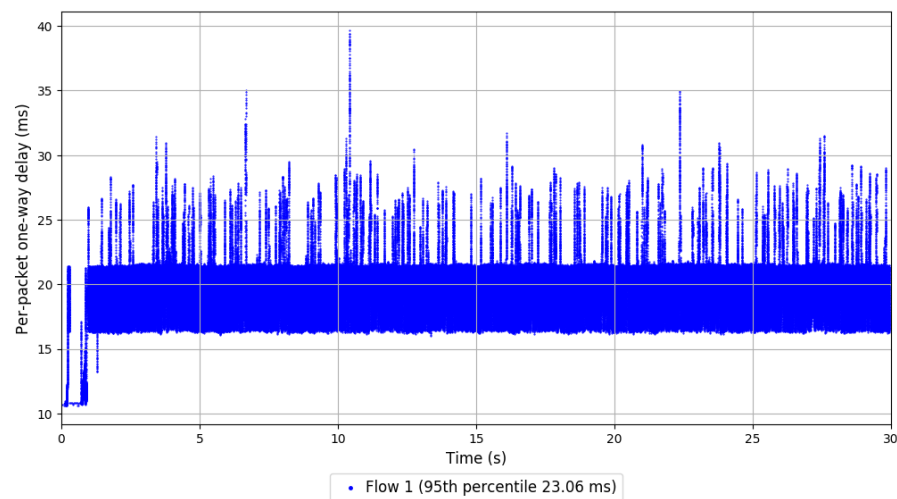
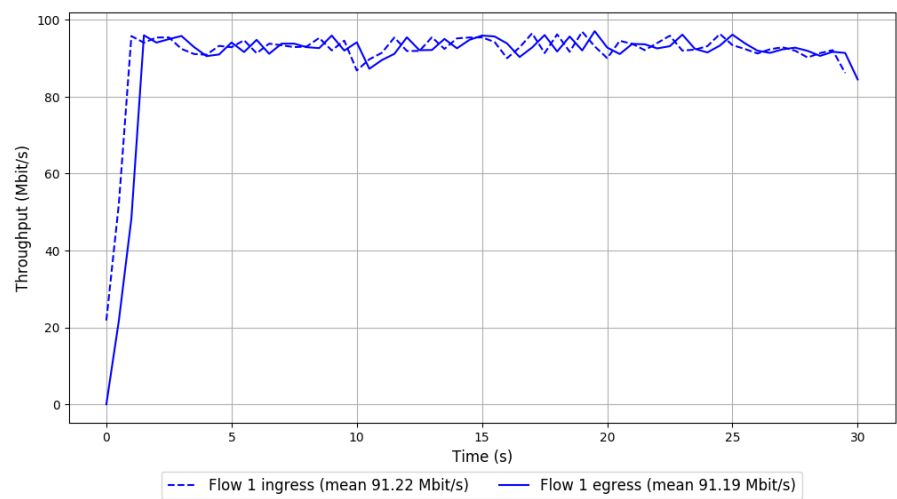
-- Flow 1:

Average throughput: 91.19 Mbit/s

95th percentile per-packet one-way delay: 23.060 ms

Loss rate: 0.11%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-22 12:06:11

End at: 2018-05-22 12:06:41

Local clock offset: 0.54 ms

Remote clock offset: 1.286 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.34 Mbit/s

95th percentile per-packet one-way delay: 25.427 ms

Loss rate: 0.12%

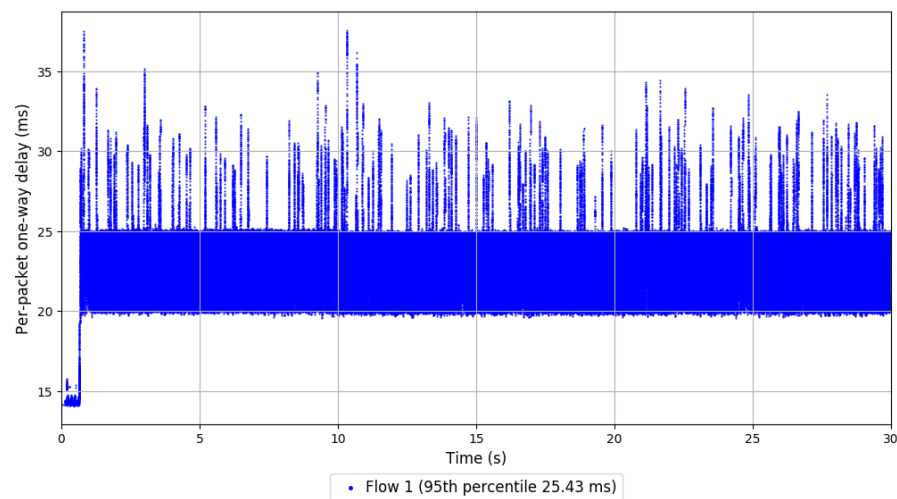
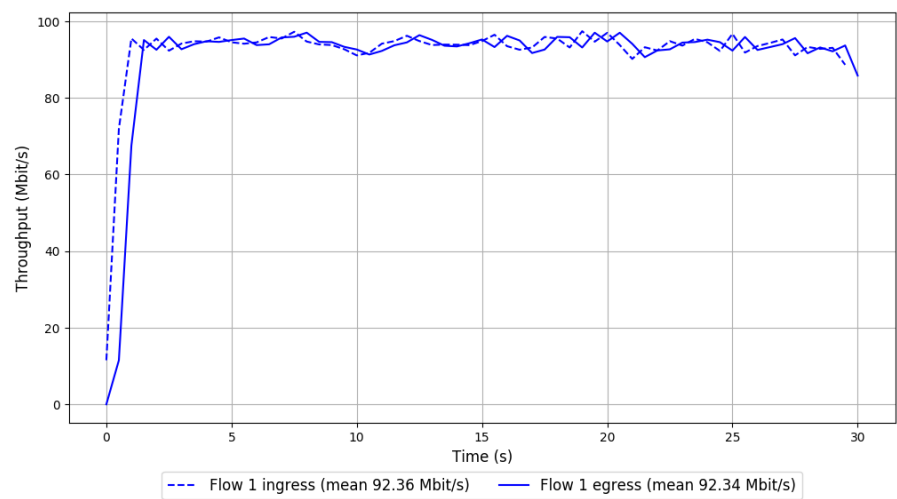
-- Flow 1:

Average throughput: 92.34 Mbit/s

95th percentile per-packet one-way delay: 25.427 ms

Loss rate: 0.12%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-22 12:24:48

End at: 2018-05-22 12:25:18

Local clock offset: 0.041 ms

Remote clock offset: 4.37 ms

Below is generated by plot.py at 2018-05-22 13:04:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.08 Mbit/s

95th percentile per-packet one-way delay: 24.781 ms

Loss rate: 0.12%

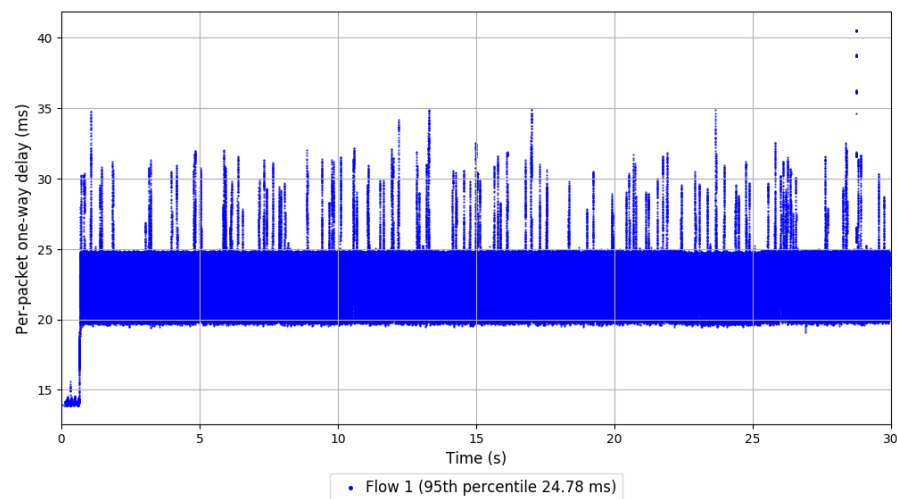
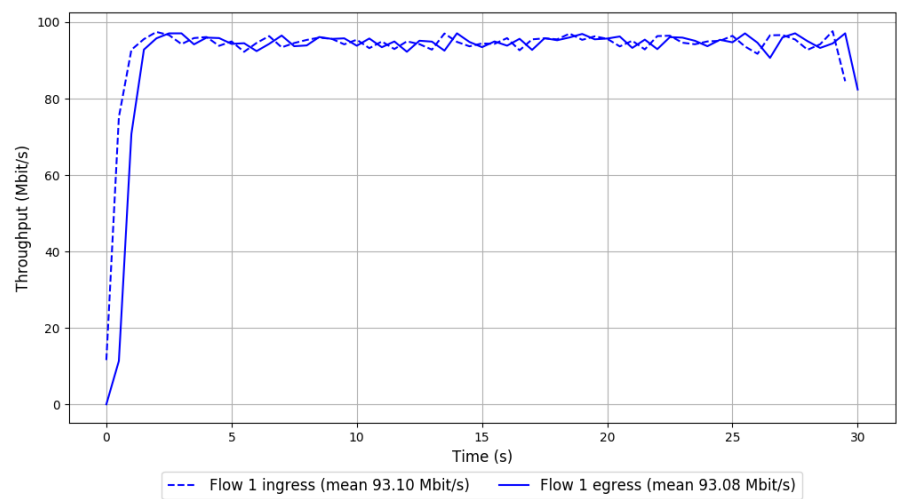
-- Flow 1:

Average throughput: 93.08 Mbit/s

95th percentile per-packet one-way delay: 24.781 ms

Loss rate: 0.12%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-22 12:43:09

End at: 2018-05-22 12:43:39

Local clock offset: 1.279 ms

Remote clock offset: 5.713 ms

Below is generated by plot.py at 2018-05-22 13:04:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.33 Mbit/s

95th percentile per-packet one-way delay: 25.804 ms

Loss rate: 0.13%

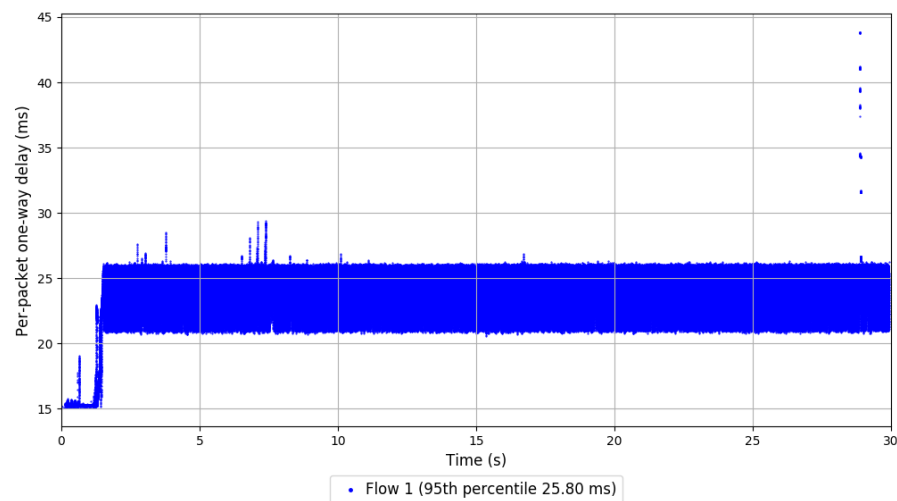
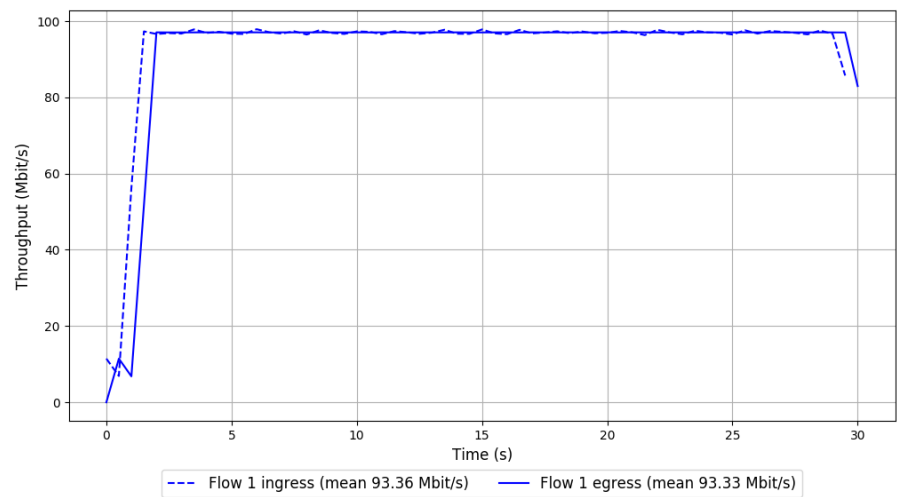
-- Flow 1:

Average throughput: 93.33 Mbit/s

95th percentile per-packet one-way delay: 25.804 ms

Loss rate: 0.13%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

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

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

Local clock offset: 1.465 ms

Remote clock offset: -3.659 ms

Below is generated by plot.py at 2018-05-22 13:04:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.58 Mbit/s

95th percentile per-packet one-way delay: 19.200 ms

Loss rate: 0.10%

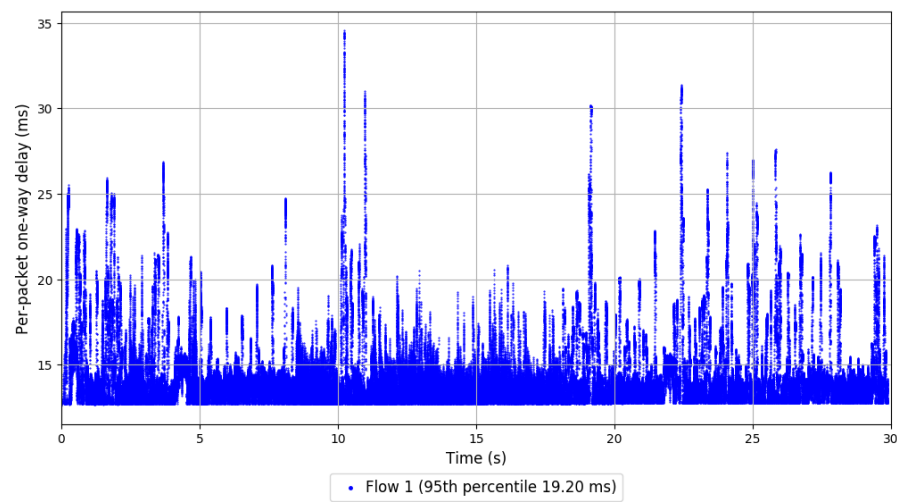
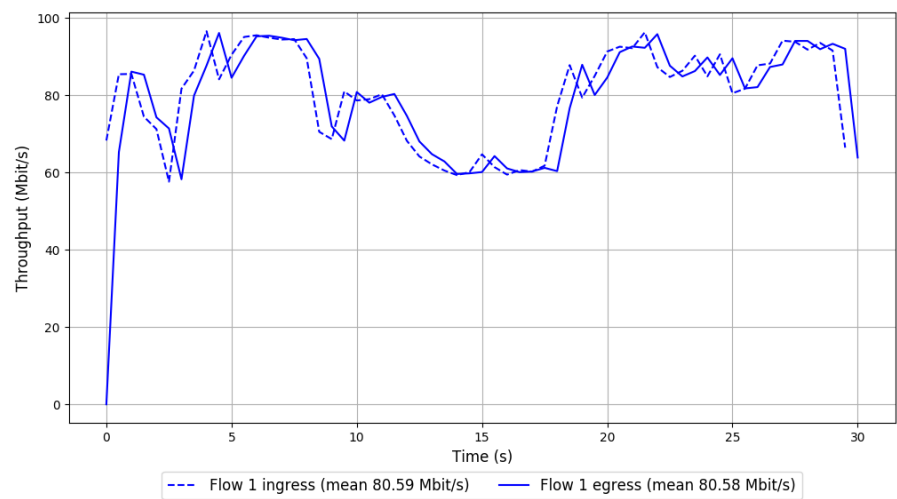
-- Flow 1:

Average throughput: 80.58 Mbit/s

95th percentile per-packet one-way delay: 19.200 ms

Loss rate: 0.10%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-22 10:13:51

End at: 2018-05-22 10:14:21

Local clock offset: 1.069 ms

Remote clock offset: -2.37 ms

Below is generated by plot.py at 2018-05-22 13:04:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.07 Mbit/s

95th percentile per-packet one-way delay: 18.012 ms

Loss rate: 0.10%

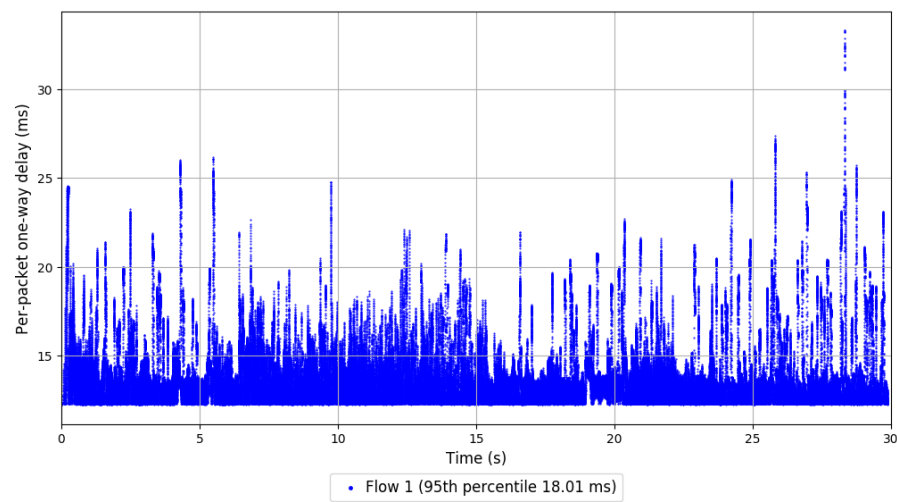
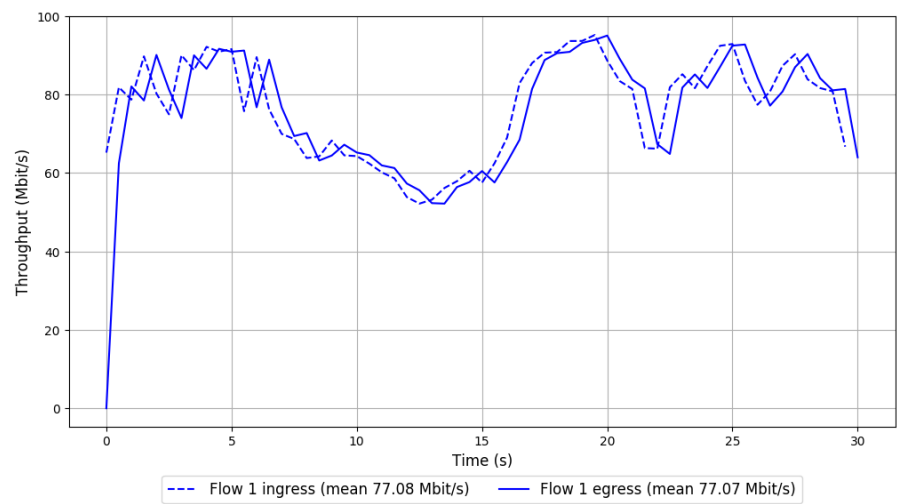
-- Flow 1:

Average throughput: 77.07 Mbit/s

95th percentile per-packet one-way delay: 18.012 ms

Loss rate: 0.10%

Run 2: Report of Indigo — Data Link

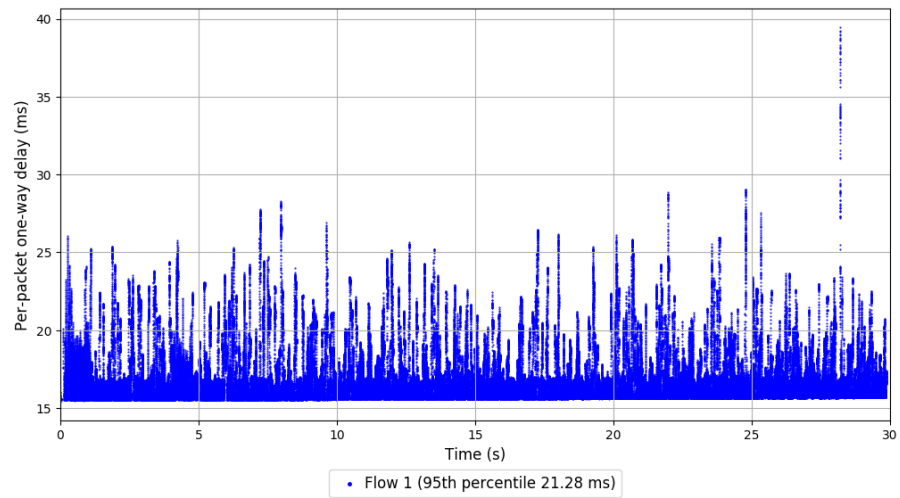
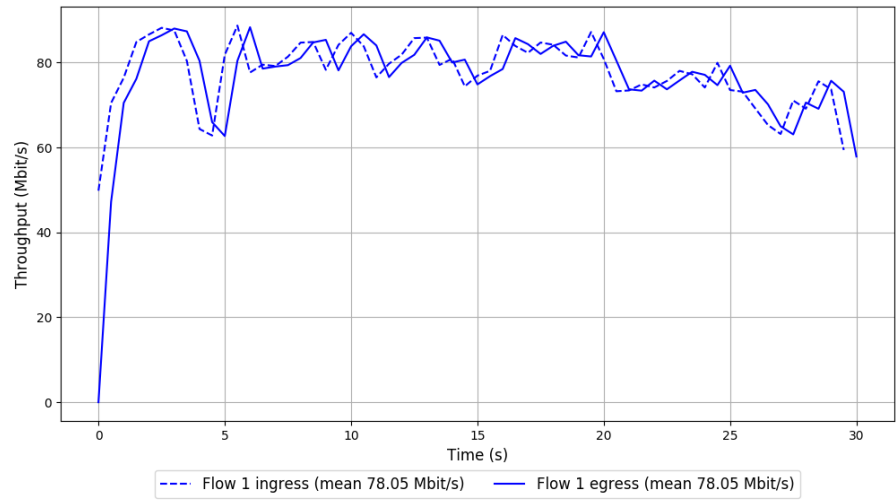


Run 3: Statistics of Indigo

Start at: 2018-05-22 10:32:19
End at: 2018-05-22 10:32:49
Local clock offset: 1.082 ms
Remote clock offset: -2.061 ms

Below is generated by plot.py at 2018-05-22 13:04:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.05 Mbit/s
95th percentile per-packet one-way delay: 21.279 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 78.05 Mbit/s
95th percentile per-packet one-way delay: 21.279 ms
Loss rate: 0.10%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-22 10:51:04

End at: 2018-05-22 10:51:34

Local clock offset: 1.371 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at 2018-05-22 13:04:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.99 Mbit/s

95th percentile per-packet one-way delay: 23.450 ms

Loss rate: 0.10%

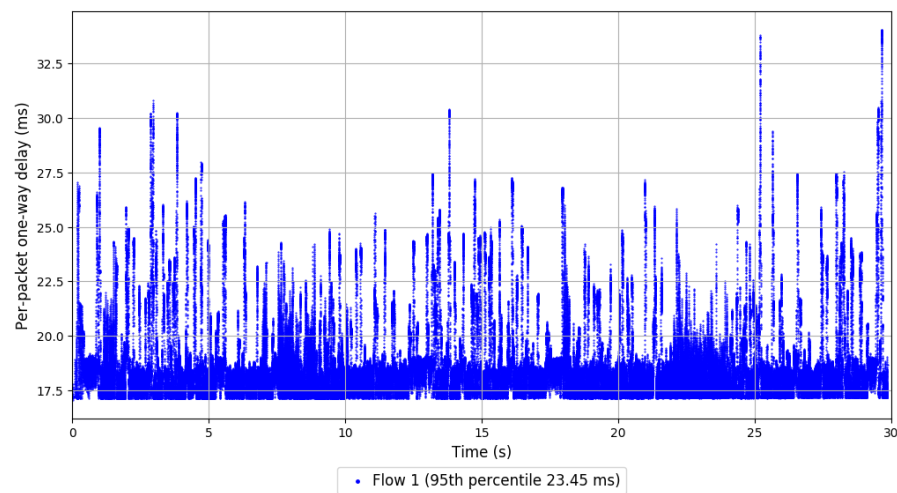
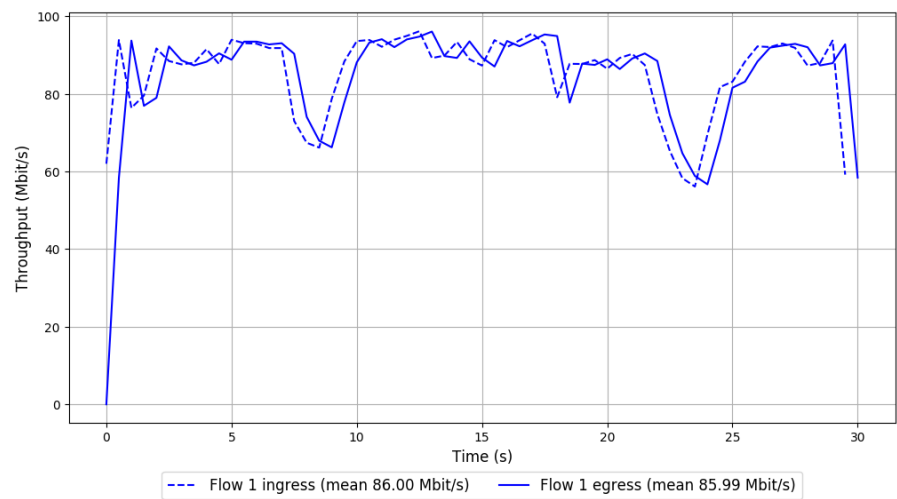
-- Flow 1:

Average throughput: 85.99 Mbit/s

95th percentile per-packet one-way delay: 23.450 ms

Loss rate: 0.10%

Run 4: Report of Indigo — Data Link

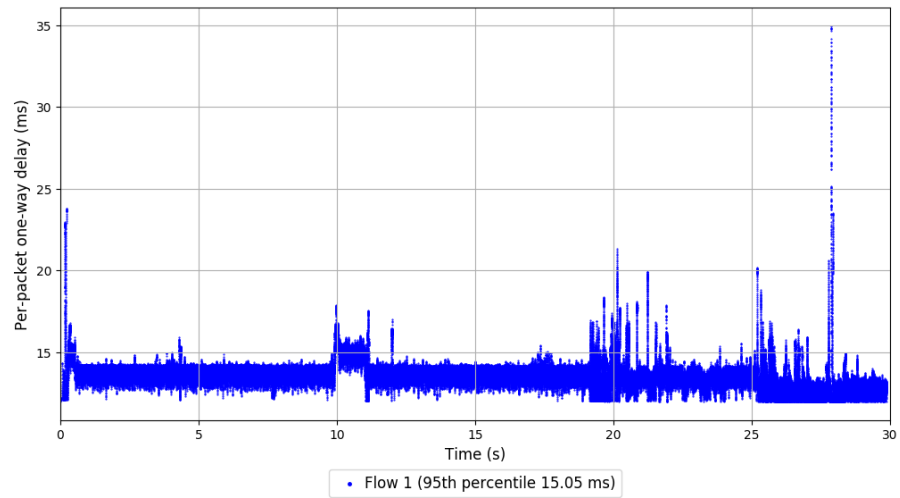
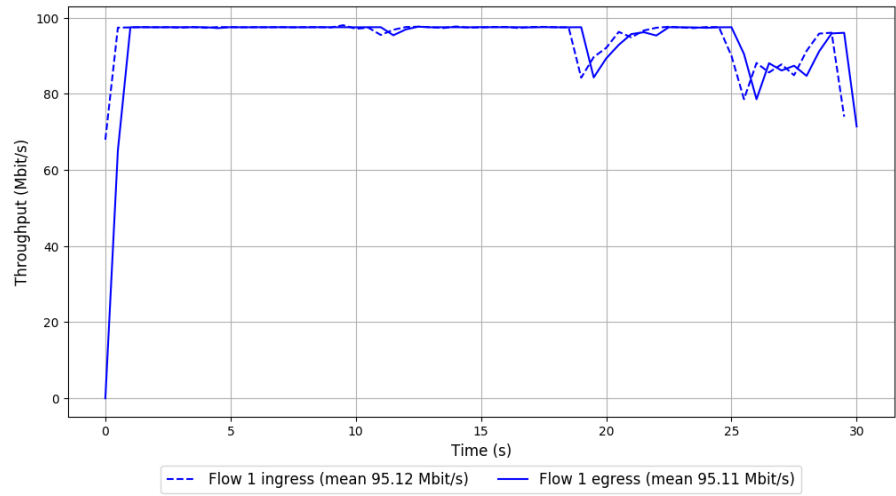


Run 5: Statistics of Indigo

Start at: 2018-05-22 11:09:48
End at: 2018-05-22 11:10:18
Local clock offset: -0.633 ms
Remote clock offset: -1.696 ms

Below is generated by plot.py at 2018-05-22 13:05:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 15.047 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 15.047 ms
Loss rate: 0.09%

Run 5: Report of Indigo — Data Link

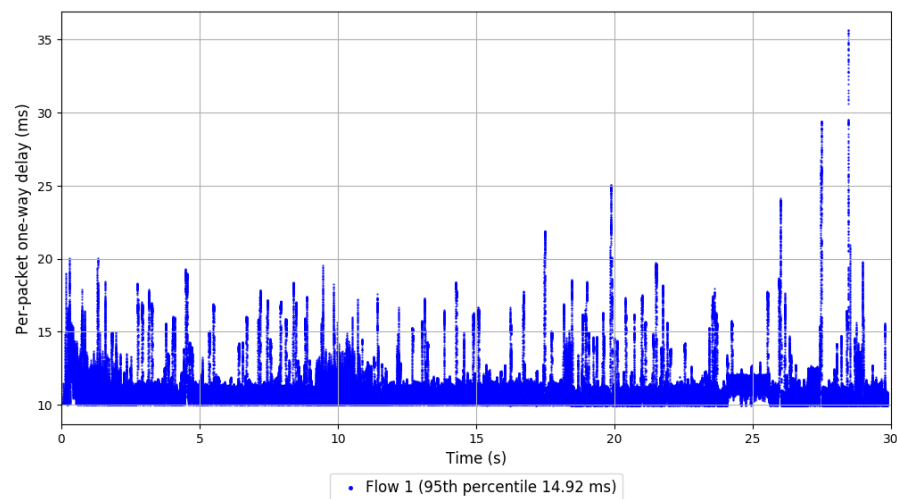
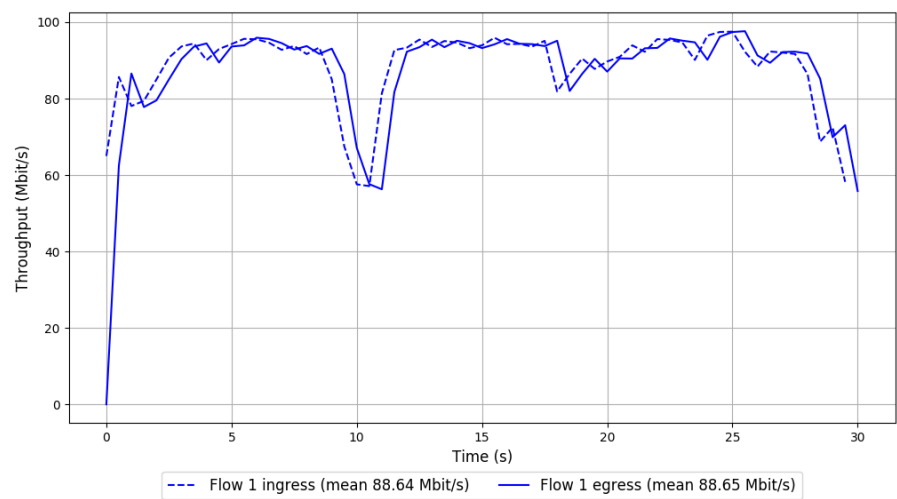


Run 6: Statistics of Indigo

Start at: 2018-05-22 11:28:30
End at: 2018-05-22 11:29:00
Local clock offset: -0.831 ms
Remote clock offset: -1.903 ms

Below is generated by plot.py at 2018-05-22 13:05:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.65 Mbit/s
95th percentile per-packet one-way delay: 14.916 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 88.65 Mbit/s
95th percentile per-packet one-way delay: 14.916 ms
Loss rate: 0.07%

Run 6: Report of Indigo — Data Link

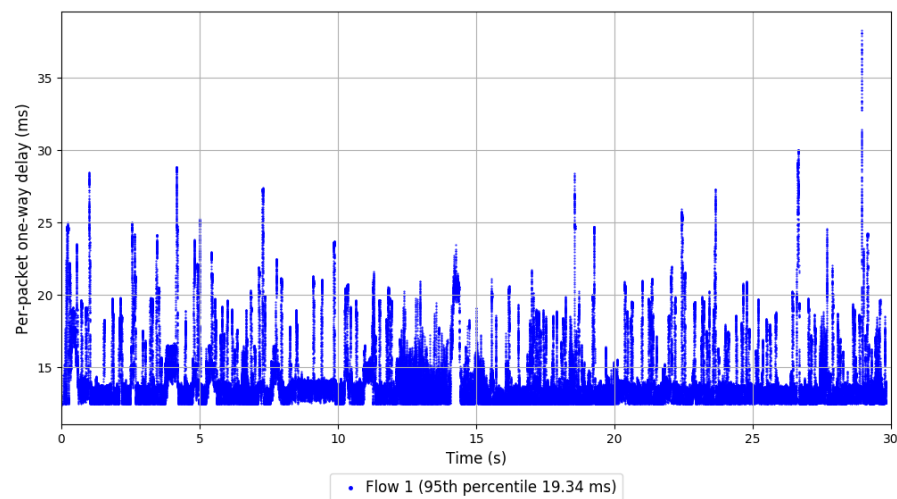
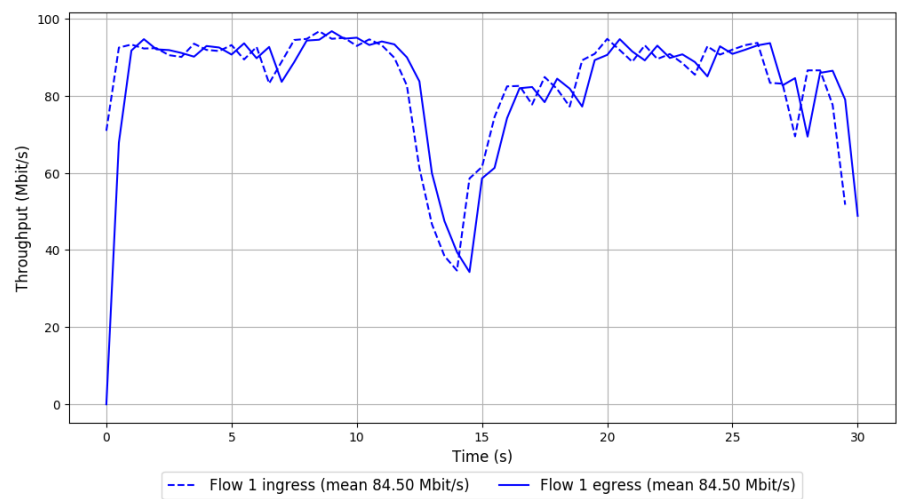


Run 7: Statistics of Indigo

Start at: 2018-05-22 11:46:50
End at: 2018-05-22 11:47:20
Local clock offset: 0.71 ms
Remote clock offset: -1.915 ms

Below is generated by plot.py at 2018-05-22 13:05:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.50 Mbit/s
95th percentile per-packet one-way delay: 19.341 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 84.50 Mbit/s
95th percentile per-packet one-way delay: 19.341 ms
Loss rate: 0.08%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

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

End at: 2018-05-22 12:05:32

Local clock offset: -0.117 ms

Remote clock offset: 1.028 ms

Below is generated by plot.py at 2018-05-22 13:05:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.78 Mbit/s

95th percentile per-packet one-way delay: 19.530 ms

Loss rate: 0.06%

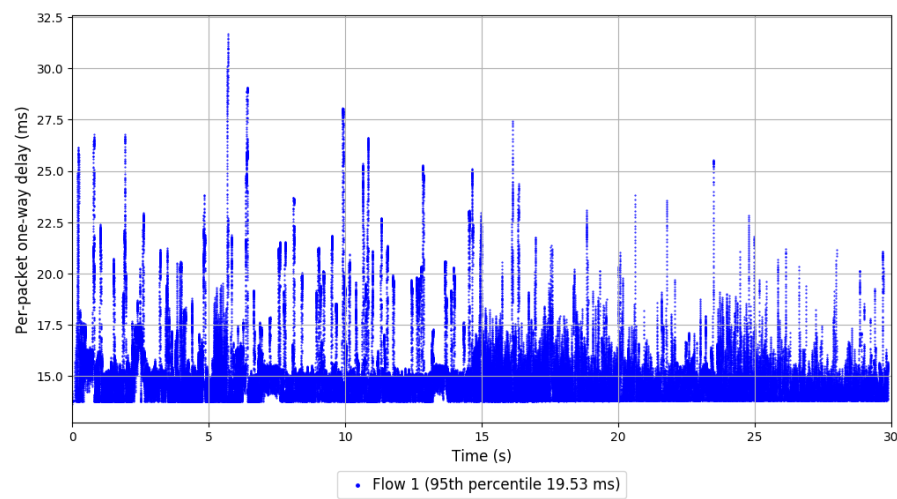
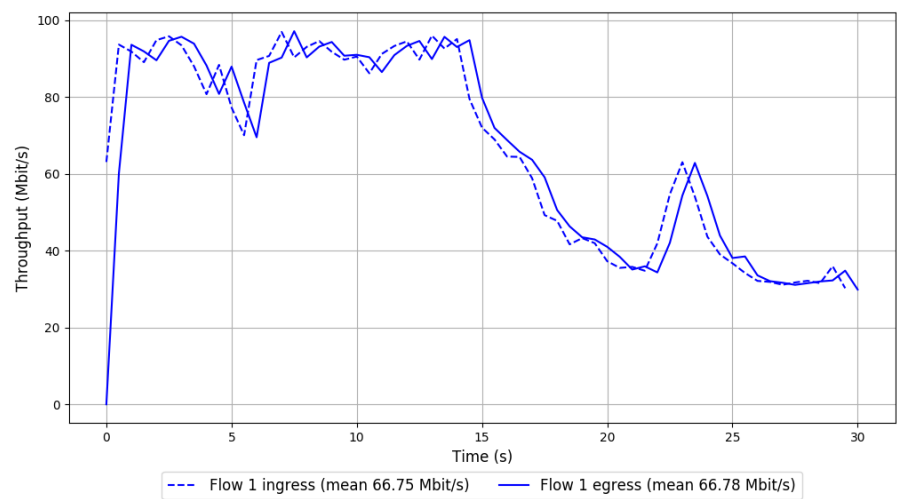
-- Flow 1:

Average throughput: 66.78 Mbit/s

95th percentile per-packet one-way delay: 19.530 ms

Loss rate: 0.06%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-22 12:23:35

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

Local clock offset: 0.382 ms

Remote clock offset: 4.519 ms

Below is generated by plot.py at 2018-05-22 13:05:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.76 Mbit/s

95th percentile per-packet one-way delay: 20.122 ms

Loss rate: 0.09%

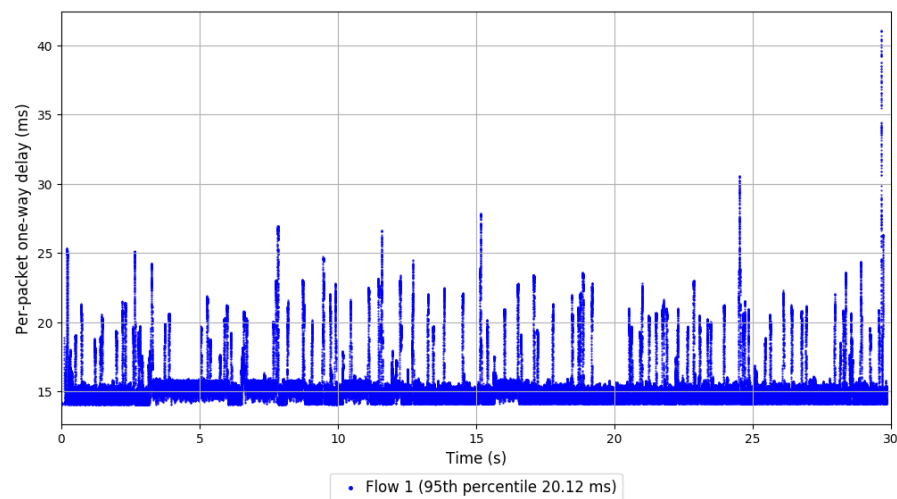
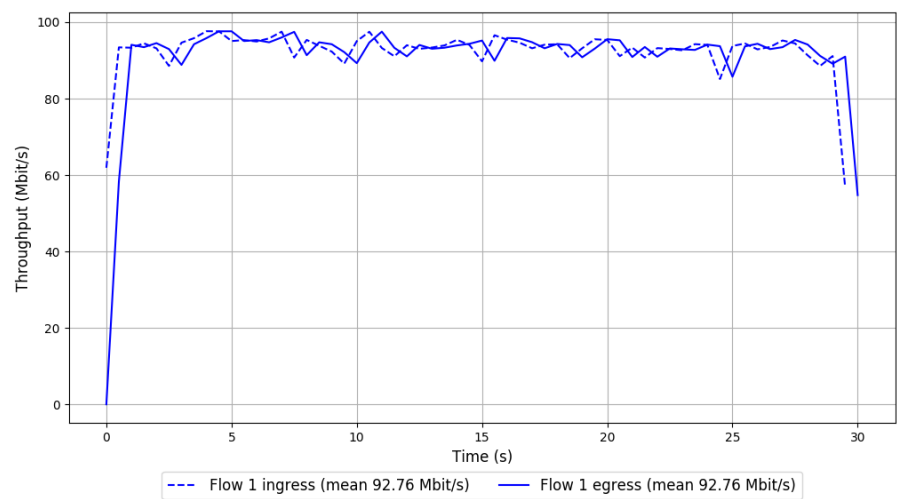
-- Flow 1:

Average throughput: 92.76 Mbit/s

95th percentile per-packet one-way delay: 20.122 ms

Loss rate: 0.09%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-22 12:41:56

End at: 2018-05-22 12:42:26

Local clock offset: -0.25 ms

Remote clock offset: 6.132 ms

Below is generated by plot.py at 2018-05-22 13:05:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.57 Mbit/s

95th percentile per-packet one-way delay: 15.509 ms

Loss rate: 0.10%

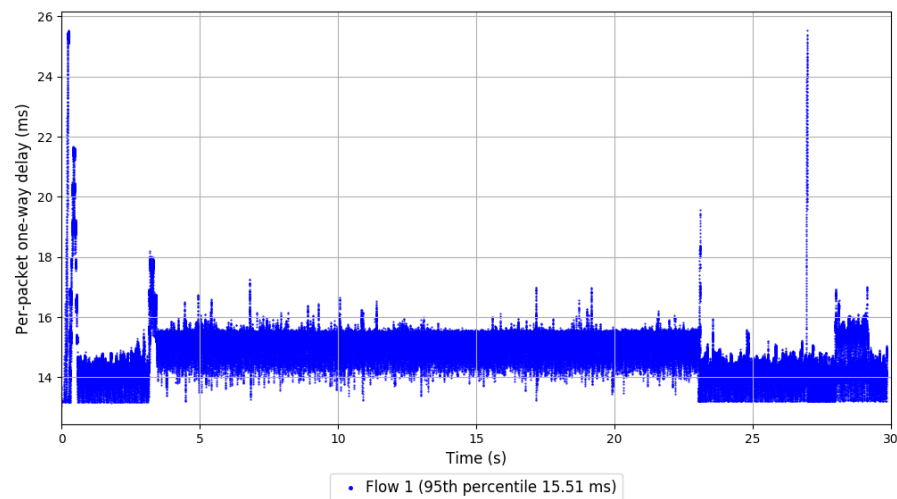
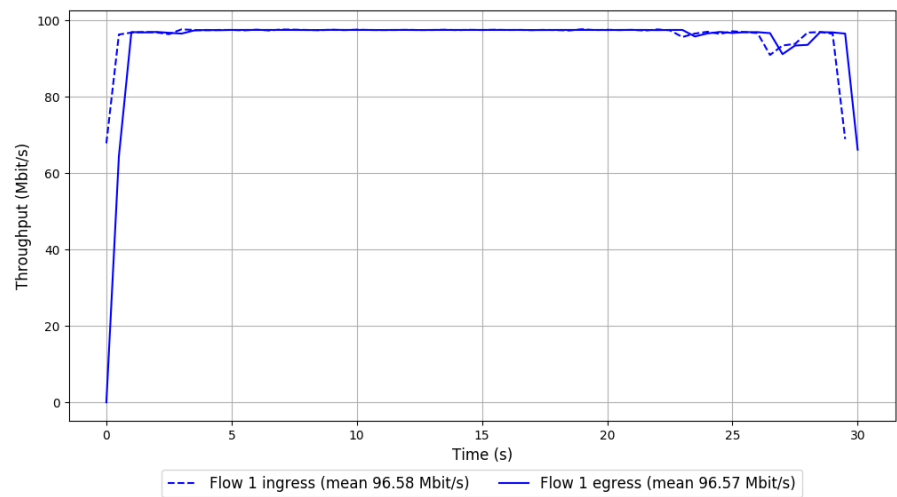
-- Flow 1:

Average throughput: 96.57 Mbit/s

95th percentile per-packet one-way delay: 15.509 ms

Loss rate: 0.10%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-05-22 09:51:55

End at: 2018-05-22 09:52:25

Local clock offset: 1.873 ms

Remote clock offset: -4.24 ms

Below is generated by plot.py at 2018-05-22 13:05:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.35 Mbit/s

95th percentile per-packet one-way delay: 22.252 ms

Loss rate: 0.09%

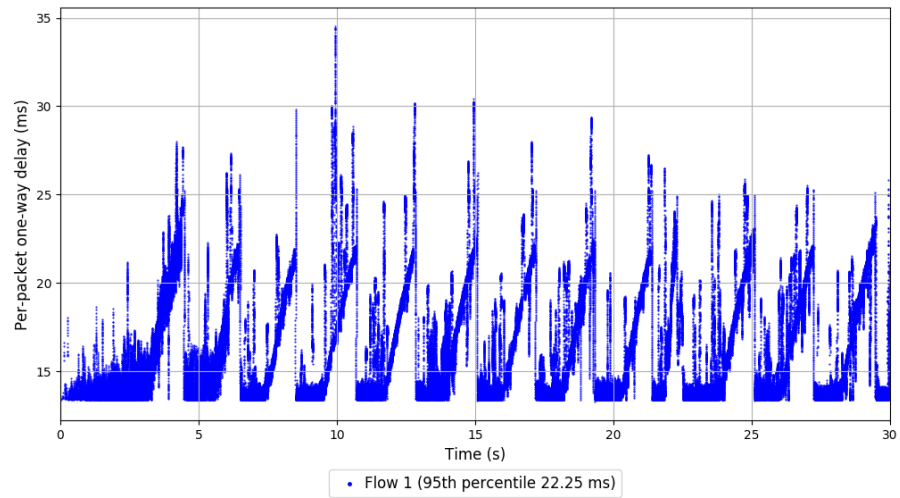
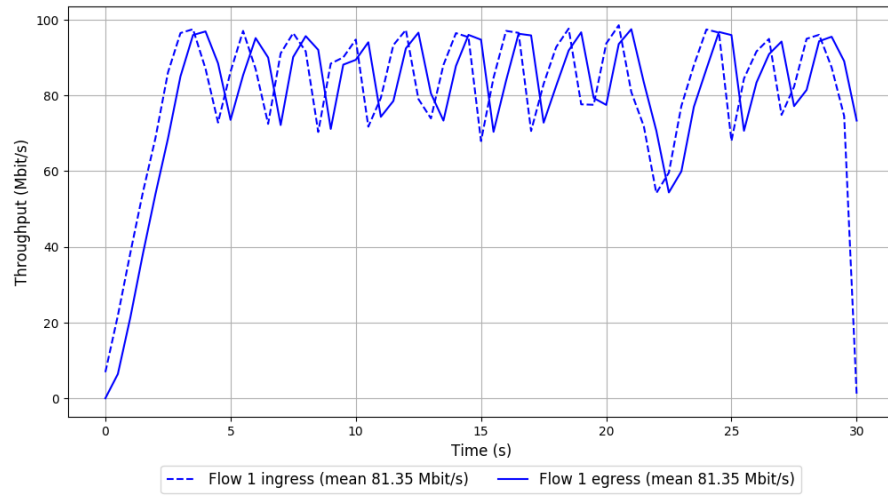
-- Flow 1:

Average throughput: 81.35 Mbit/s

95th percentile per-packet one-way delay: 22.252 ms

Loss rate: 0.09%

Run 1: Report of LEDBAT — Data Link

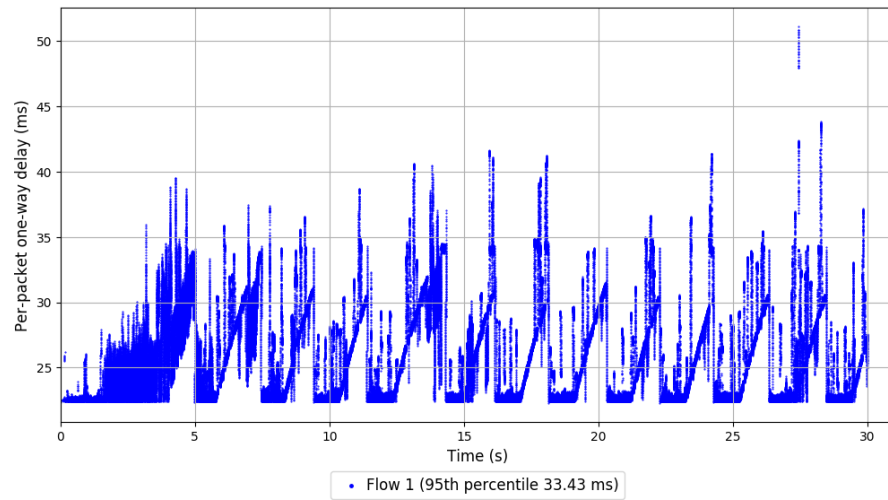
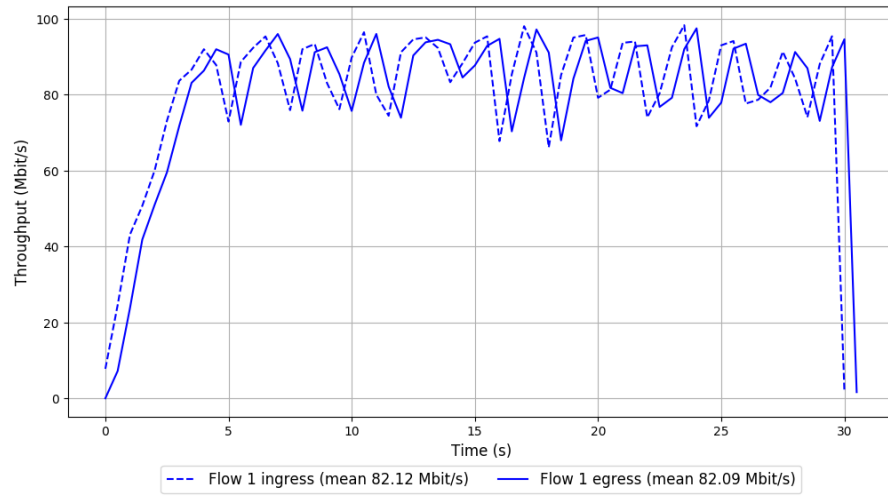


Run 2: Statistics of LEDBAT

Start at: 2018-05-22 10:10:22
End at: 2018-05-22 10:10:52
Local clock offset: 1.624 ms
Remote clock offset: -11.987 ms

Below is generated by plot.py at 2018-05-22 13:05:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.09 Mbit/s
95th percentile per-packet one-way delay: 33.426 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 82.09 Mbit/s
95th percentile per-packet one-way delay: 33.426 ms
Loss rate: 0.12%

Run 2: Report of LEDBAT — Data Link

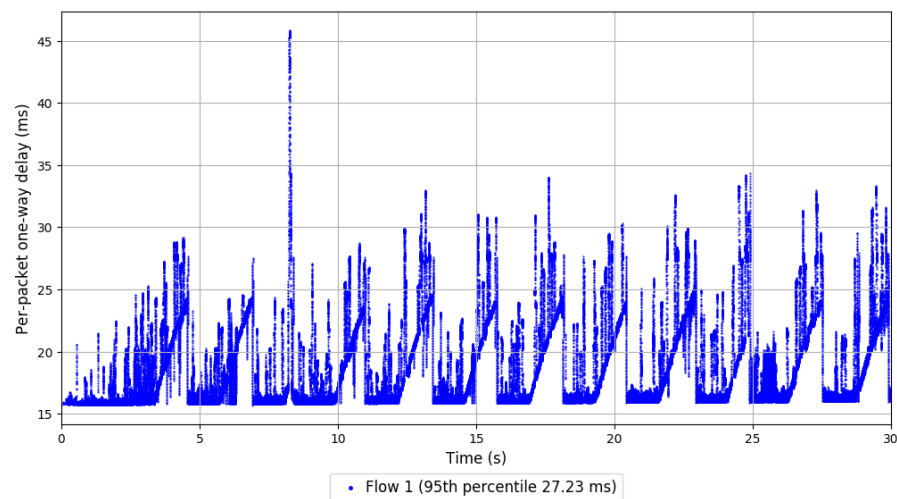
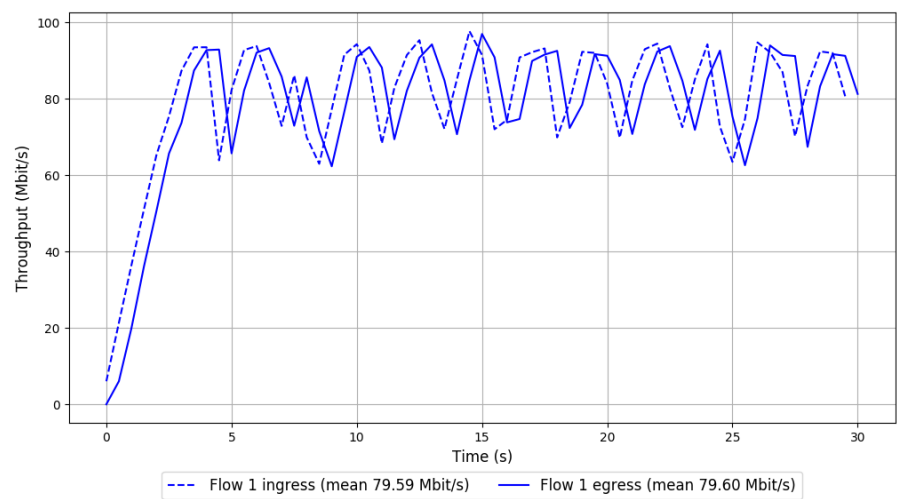


Run 3: Statistics of LEDBAT

Start at: 2018-05-22 10:28:44
End at: 2018-05-22 10:29:14
Local clock offset: 2.999 ms
Remote clock offset: -2.051 ms

Below is generated by plot.py at 2018-05-22 13:06:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.60 Mbit/s
95th percentile per-packet one-way delay: 27.234 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 79.60 Mbit/s
95th percentile per-packet one-way delay: 27.234 ms
Loss rate: 0.08%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-22 10:47:30

End at: 2018-05-22 10:48:00

Local clock offset: -0.827 ms

Remote clock offset: 1.424 ms

Below is generated by plot.py at 2018-05-22 13:06:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.28 Mbit/s

95th percentile per-packet one-way delay: 21.523 ms

Loss rate: 0.14%

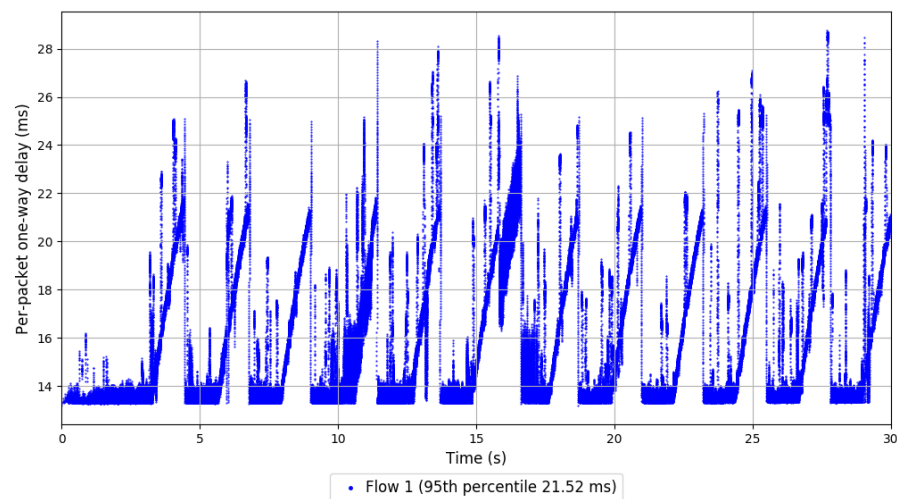
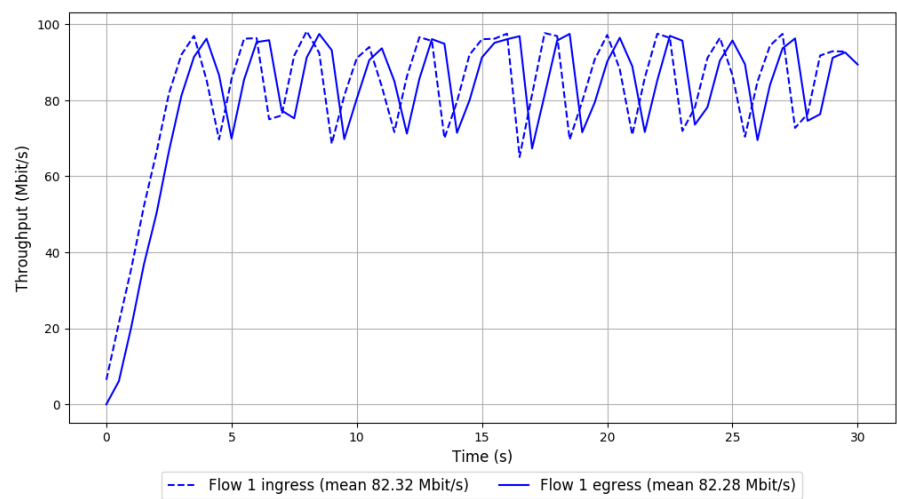
-- Flow 1:

Average throughput: 82.28 Mbit/s

95th percentile per-packet one-way delay: 21.523 ms

Loss rate: 0.14%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-22 11:06:14

End at: 2018-05-22 11:06:44

Local clock offset: -0.709 ms

Remote clock offset: -0.69 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.95 Mbit/s

95th percentile per-packet one-way delay: 18.988 ms

Loss rate: 0.09%

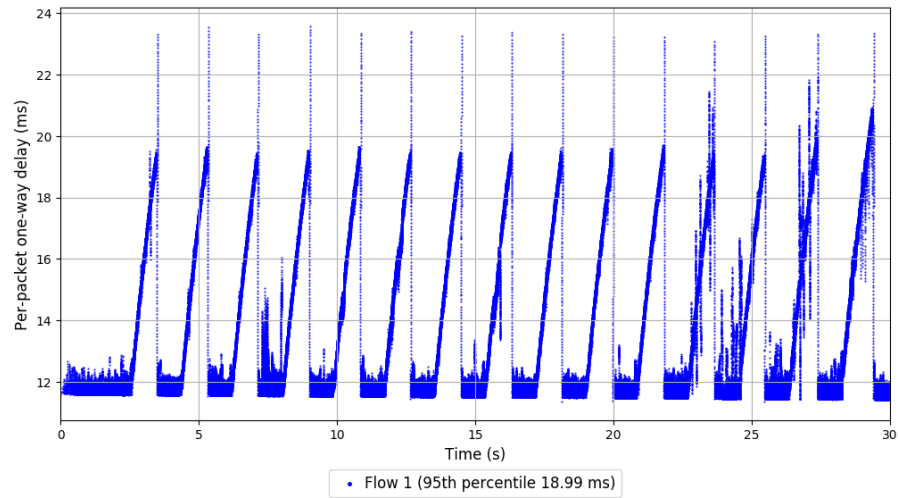
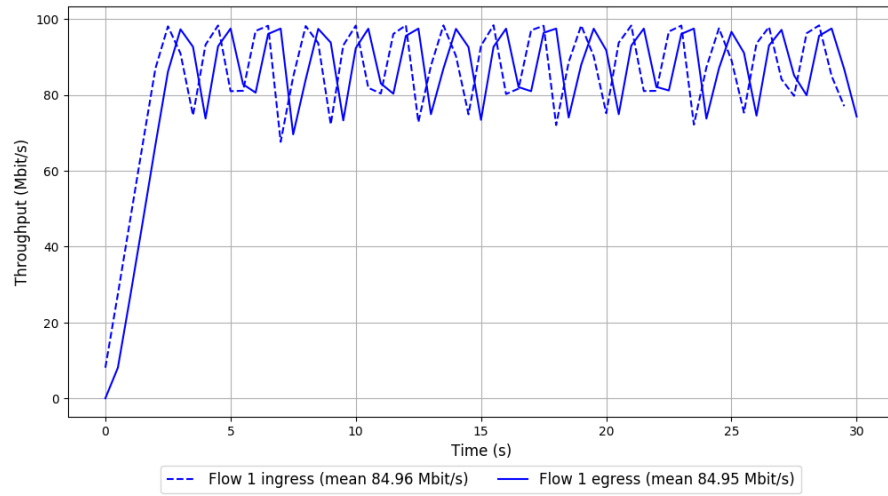
-- Flow 1:

Average throughput: 84.95 Mbit/s

95th percentile per-packet one-way delay: 18.988 ms

Loss rate: 0.09%

Run 5: Report of LEDBAT — Data Link

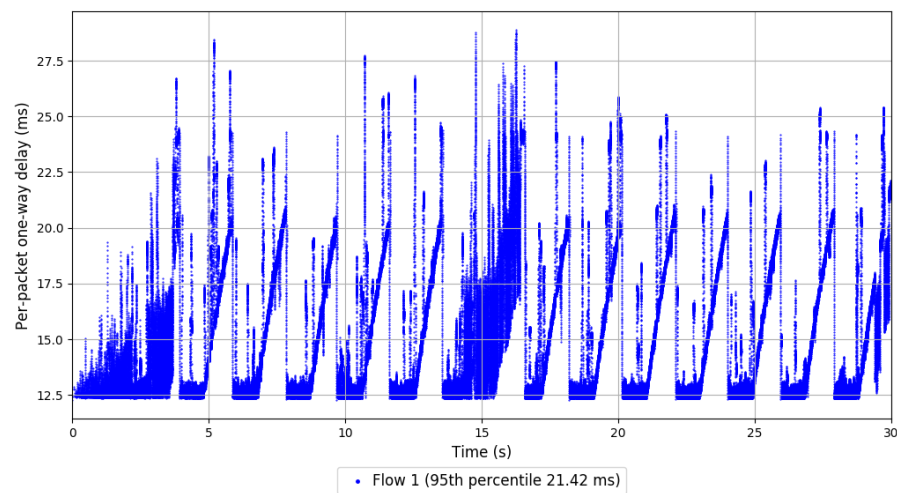
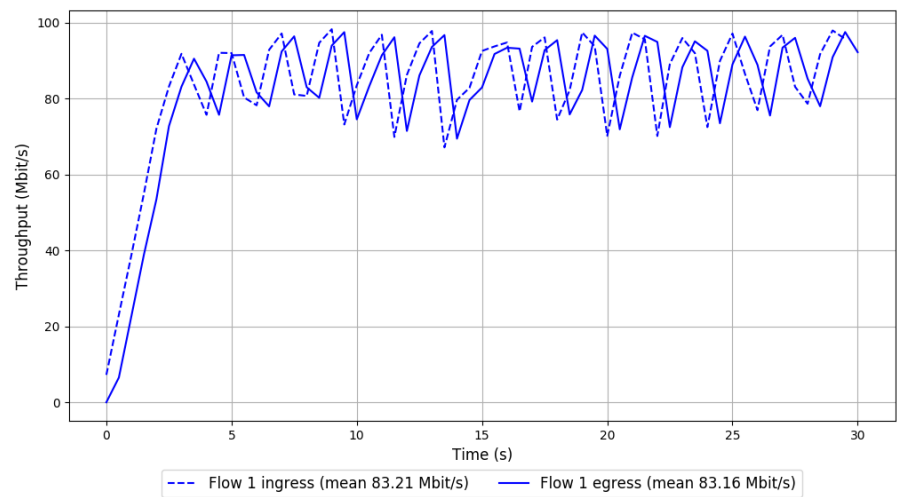


Run 6: Statistics of LEDBAT

Start at: 2018-05-22 11:24:54
End at: 2018-05-22 11:25:24
Local clock offset: -0.48 ms
Remote clock offset: -3.387 ms

Below is generated by plot.py at 2018-05-22 13:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 21.417 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 21.417 ms
Loss rate: 0.14%

Run 6: Report of LEDBAT — Data Link

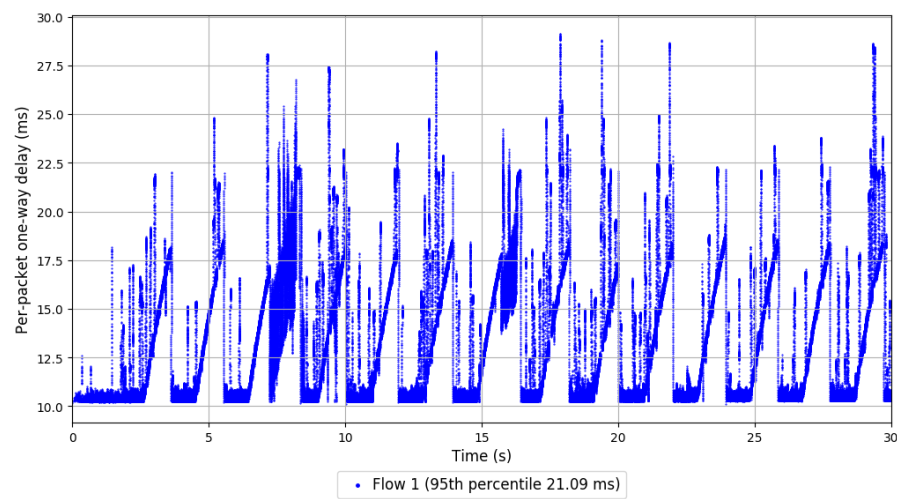
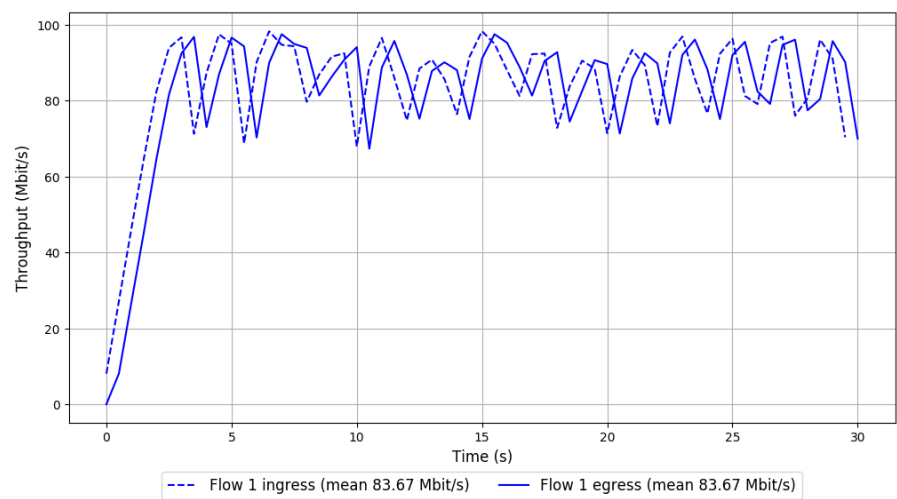


Run 7: Statistics of LEDBAT

Start at: 2018-05-22 11:43:22
End at: 2018-05-22 11:43:52
Local clock offset: 0.381 ms
Remote clock offset: -0.455 ms

Below is generated by plot.py at 2018-05-22 13:06:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 21.086 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 21.086 ms
Loss rate: 0.08%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-22 12:01:36

End at: 2018-05-22 12:02:06

Local clock offset: 0.492 ms

Remote clock offset: 1.344 ms

Below is generated by plot.py at 2018-05-22 13:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.03 Mbit/s

95th percentile per-packet one-way delay: 25.055 ms

Loss rate: 0.10%

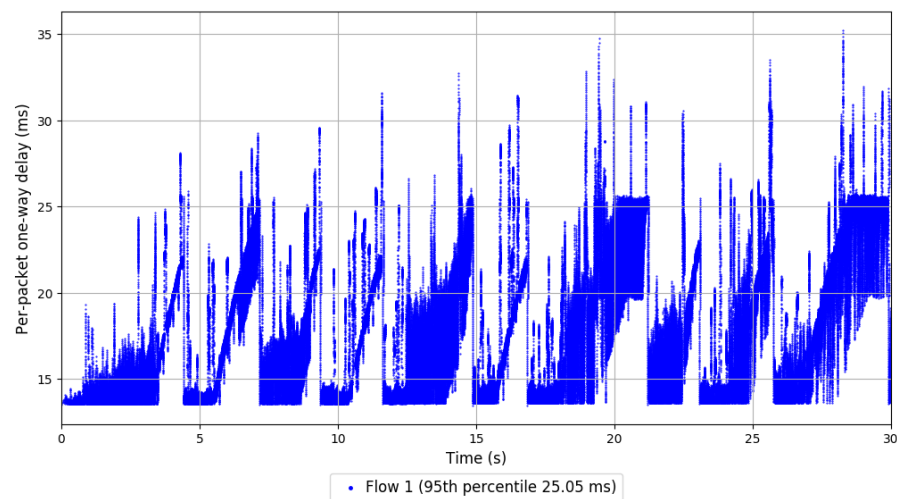
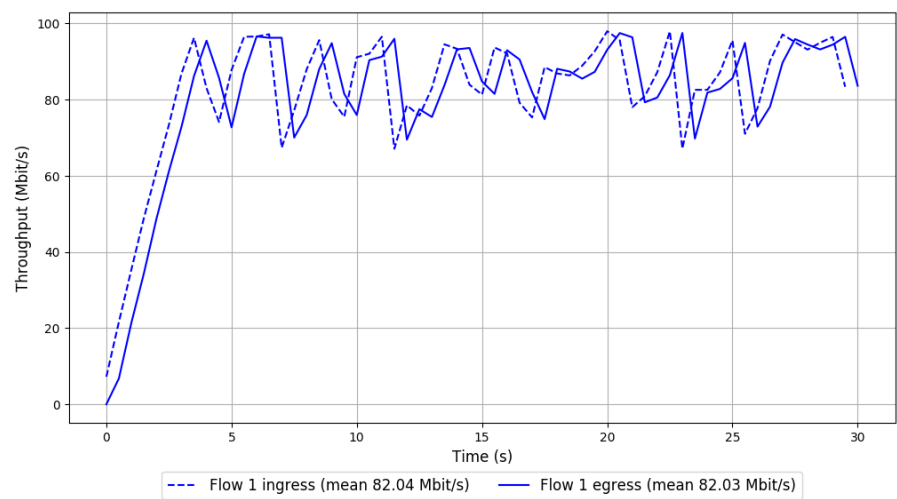
-- Flow 1:

Average throughput: 82.03 Mbit/s

95th percentile per-packet one-way delay: 25.055 ms

Loss rate: 0.10%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-22 12:20:00

End at: 2018-05-22 12:20:30

Local clock offset: -0.255 ms

Remote clock offset: 2.159 ms

Below is generated by plot.py at 2018-05-22 13:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.55 Mbit/s

95th percentile per-packet one-way delay: 23.837 ms

Loss rate: 0.14%

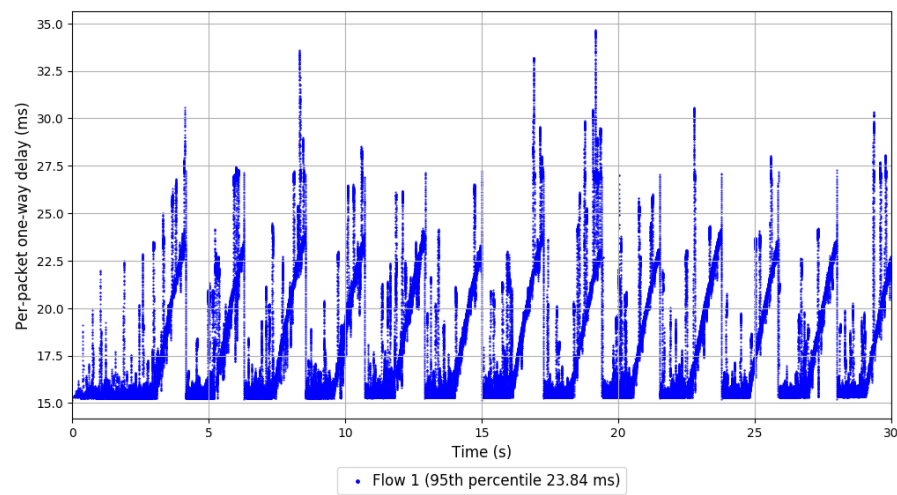
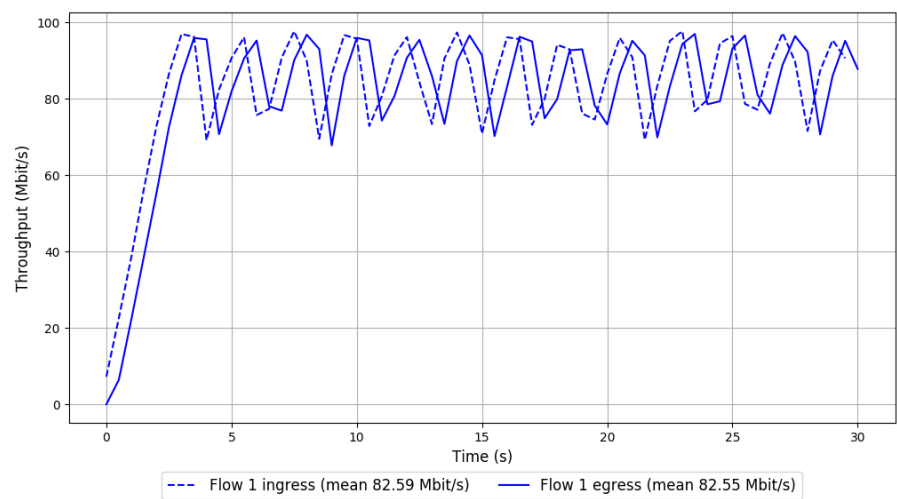
-- Flow 1:

Average throughput: 82.55 Mbit/s

95th percentile per-packet one-way delay: 23.837 ms

Loss rate: 0.14%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

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

End at: 2018-05-22 12:38:52

Local clock offset: 2.164 ms

Remote clock offset: 3.339 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.40 Mbit/s

95th percentile per-packet one-way delay: 25.974 ms

Loss rate: 0.08%

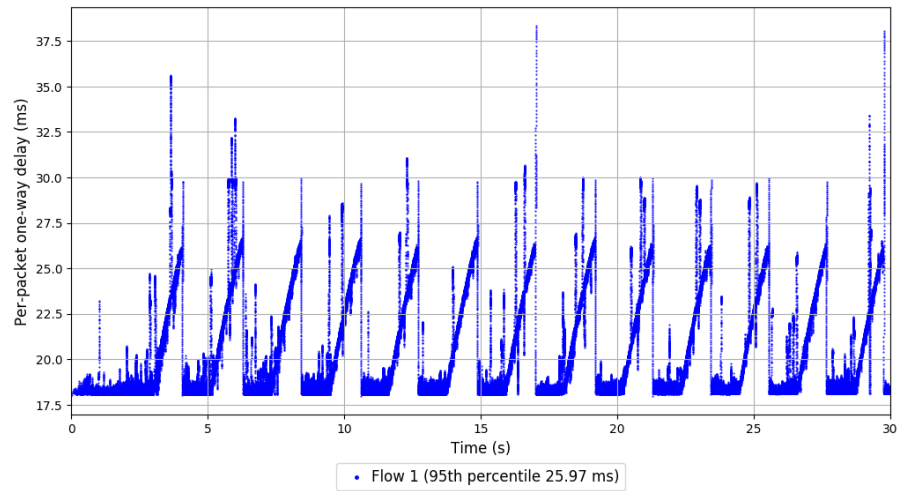
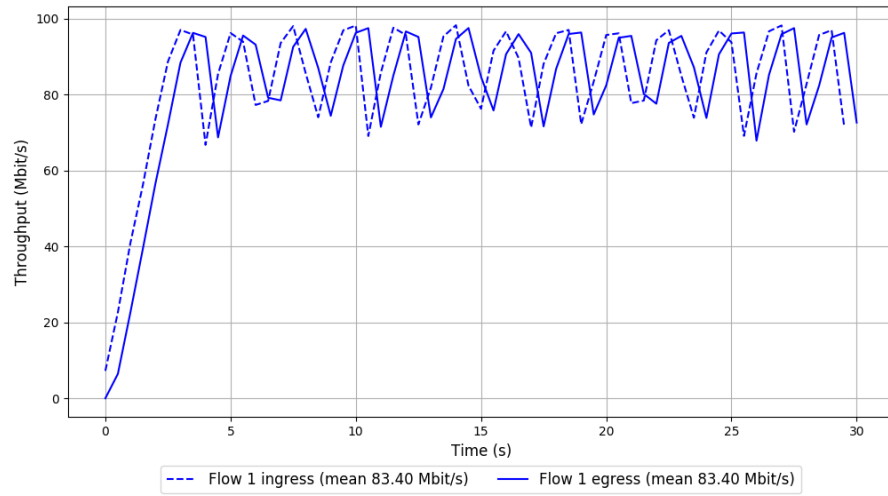
-- Flow 1:

Average throughput: 83.40 Mbit/s

95th percentile per-packet one-way delay: 25.974 ms

Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link

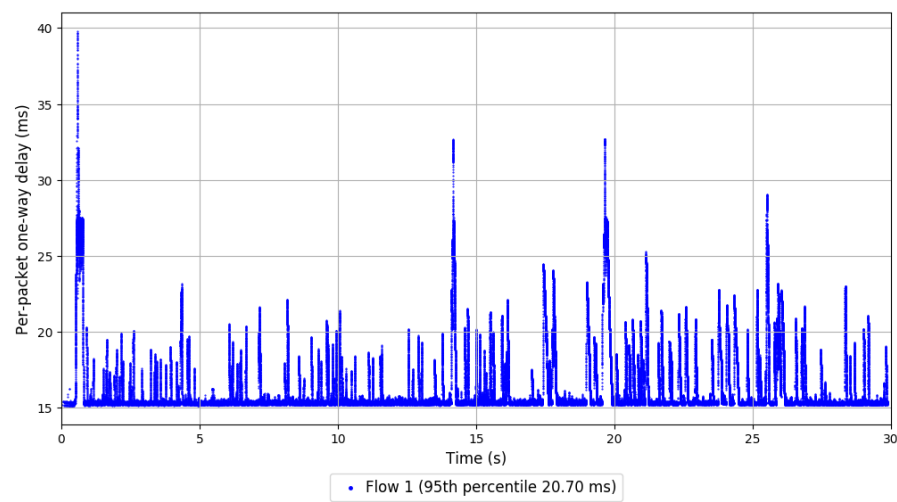
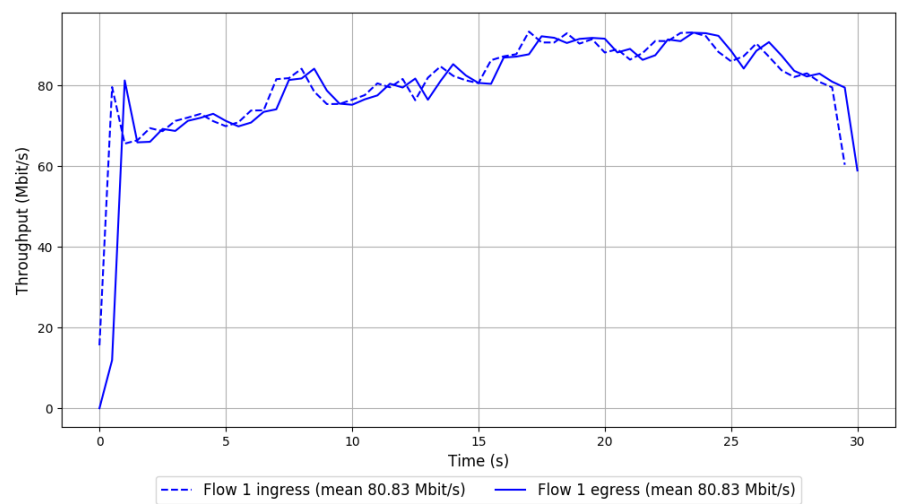


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-05-22 09:53:06
End at: 2018-05-22 09:53:36
Local clock offset: 1.941 ms
Remote clock offset: -6.163 ms

# Below is generated by plot.py at 2018-05-22 13:07:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 20.698 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 20.698 ms
Loss rate: 0.08%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-22 10:11:34

End at: 2018-05-22 10:12:04

Local clock offset: -0.718 ms

Remote clock offset: -12.181 ms

Below is generated by plot.py at 2018-05-22 13:07:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.11 Mbit/s

95th percentile per-packet one-way delay: 31.931 ms

Loss rate: 0.18%

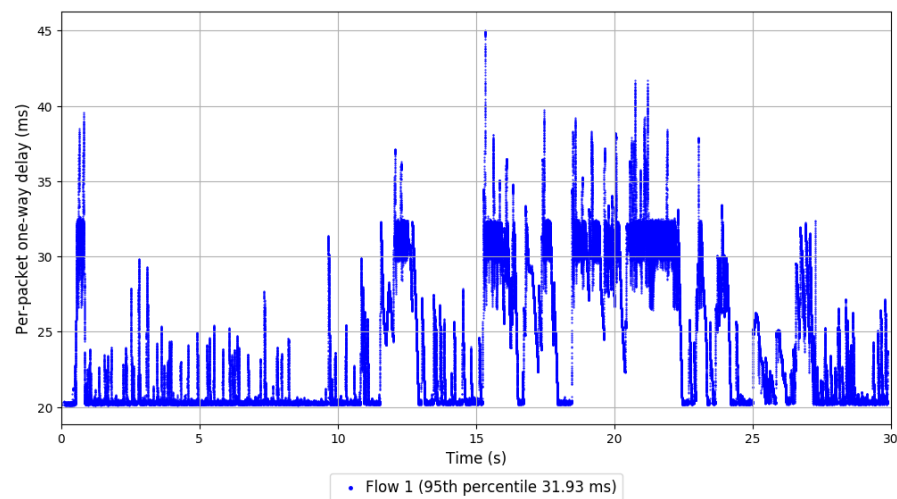
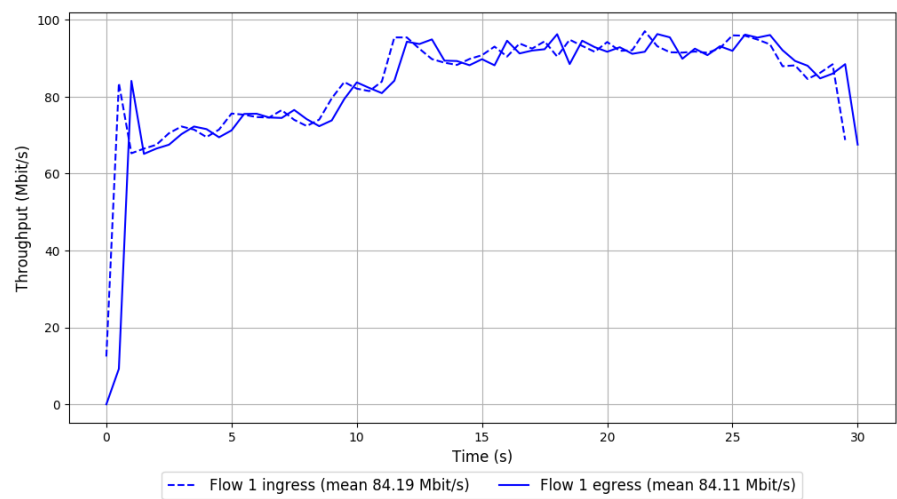
-- Flow 1:

Average throughput: 84.11 Mbit/s

95th percentile per-packet one-way delay: 31.931 ms

Loss rate: 0.18%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-22 10:30:02

End at: 2018-05-22 10:30:32

Local clock offset: 1.454 ms

Remote clock offset: -2.176 ms

Below is generated by plot.py at 2018-05-22 13:07:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.68 Mbit/s

95th percentile per-packet one-way delay: 15.619 ms

Loss rate: 0.22%

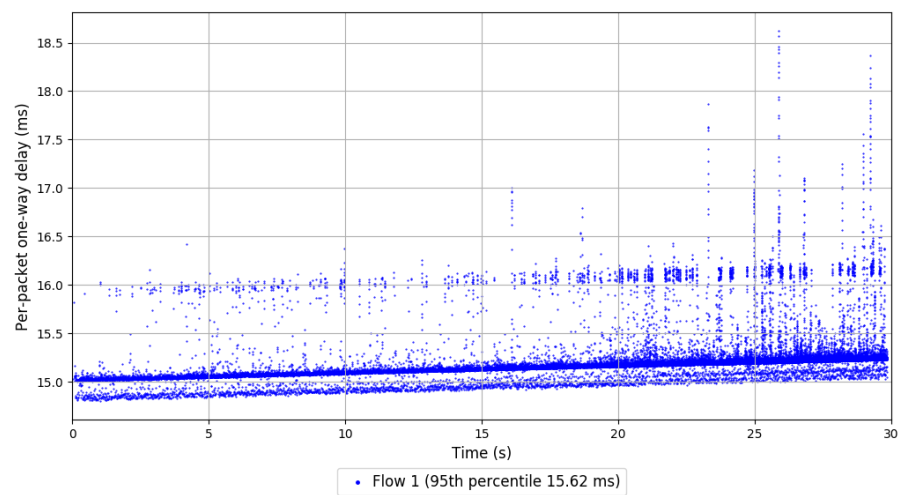
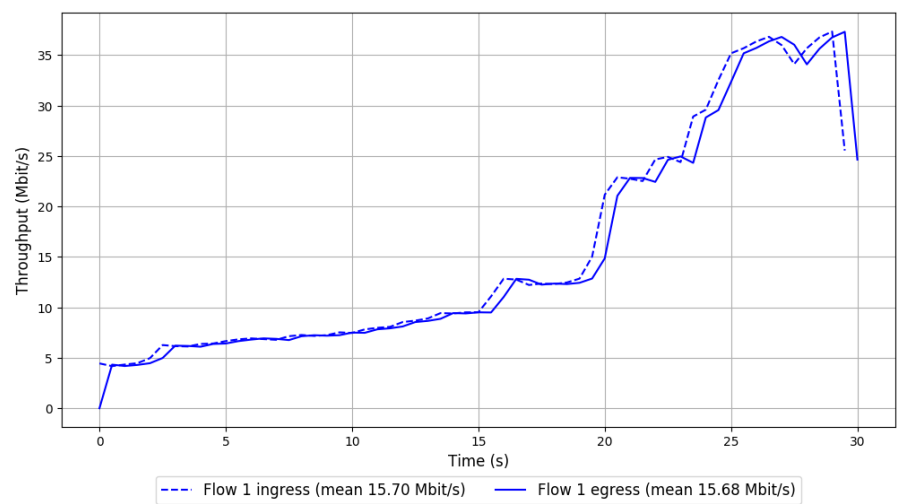
-- Flow 1:

Average throughput: 15.68 Mbit/s

95th percentile per-packet one-way delay: 15.619 ms

Loss rate: 0.22%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-22 10:48:43

End at: 2018-05-22 10:49:13

Local clock offset: -0.689 ms

Remote clock offset: 0.456 ms

Below is generated by plot.py at 2018-05-22 13:07:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.21 Mbit/s

95th percentile per-packet one-way delay: 25.081 ms

Loss rate: 0.14%

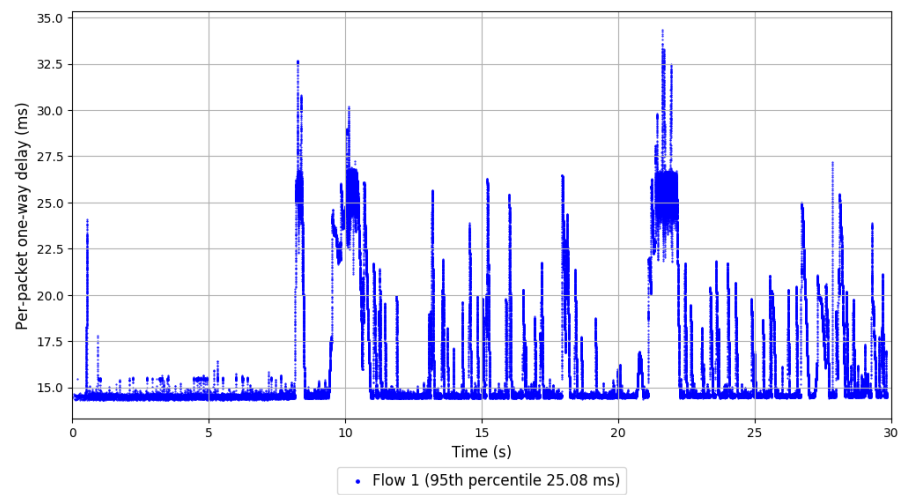
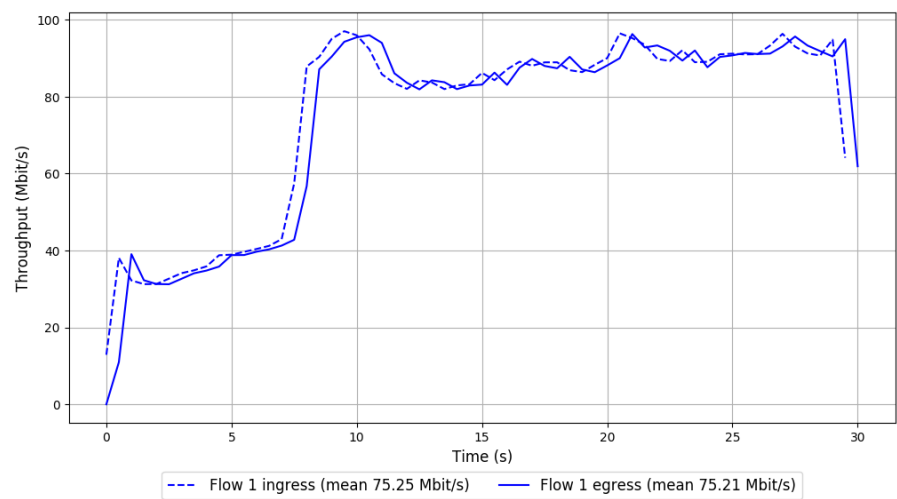
-- Flow 1:

Average throughput: 75.21 Mbit/s

95th percentile per-packet one-way delay: 25.081 ms

Loss rate: 0.14%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-22 11:07:29

End at: 2018-05-22 11:07:59

Local clock offset: -0.058 ms

Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-05-22 13:07:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.54 Mbit/s

95th percentile per-packet one-way delay: 16.266 ms

Loss rate: 0.10%

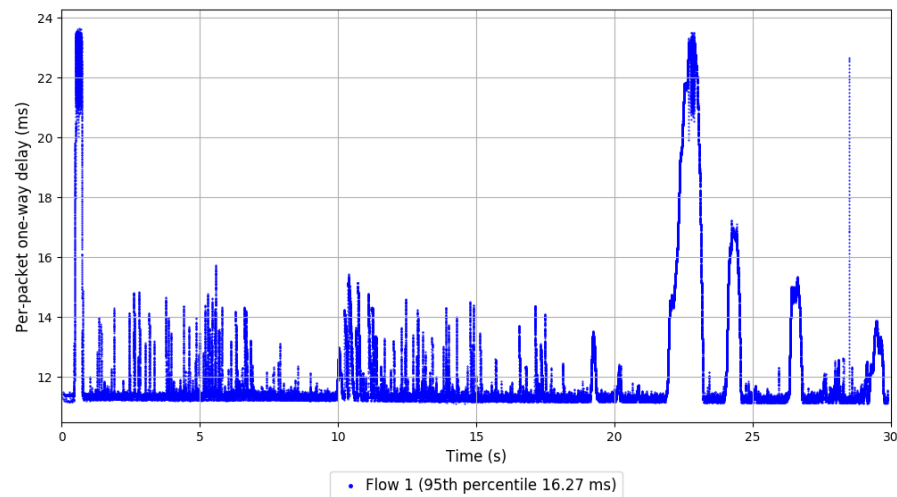
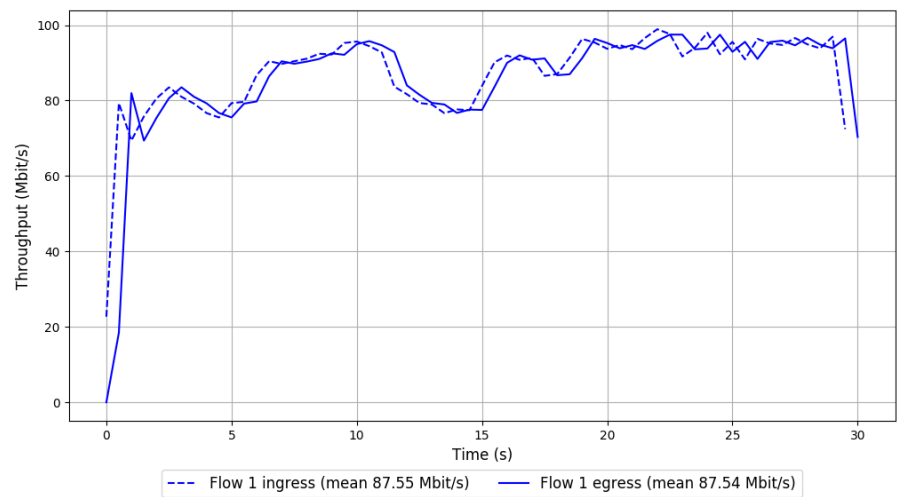
-- Flow 1:

Average throughput: 87.54 Mbit/s

95th percentile per-packet one-way delay: 16.266 ms

Loss rate: 0.10%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-22 11:26:07

End at: 2018-05-22 11:26:37

Local clock offset: -0.191 ms

Remote clock offset: -1.93 ms

Below is generated by plot.py at 2018-05-22 13:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.89 Mbit/s

95th percentile per-packet one-way delay: 17.485 ms

Loss rate: 0.10%

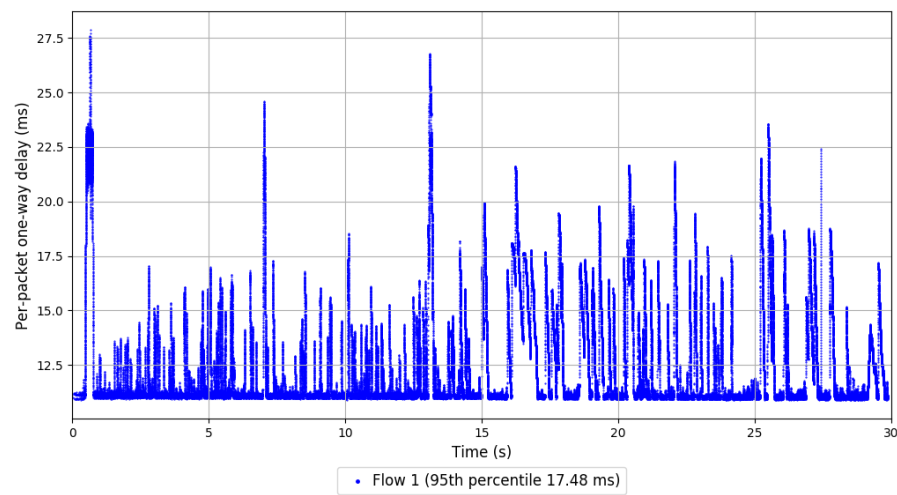
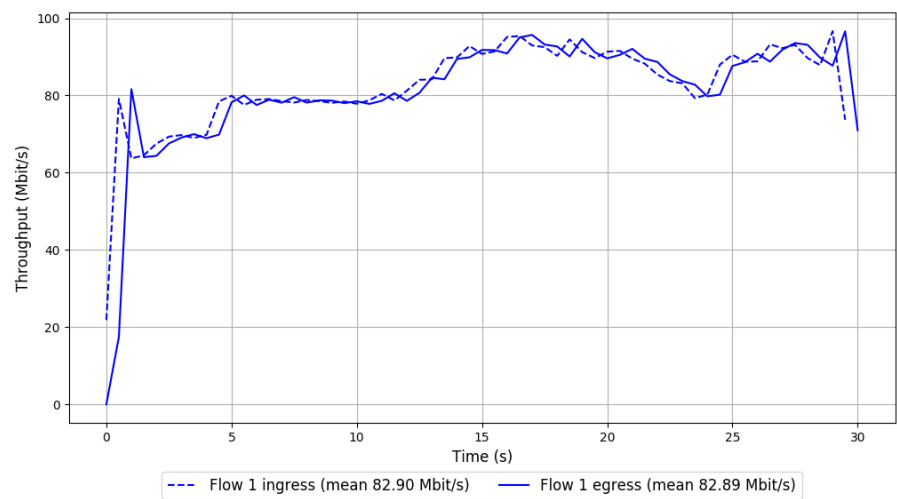
-- Flow 1:

Average throughput: 82.89 Mbit/s

95th percentile per-packet one-way delay: 17.485 ms

Loss rate: 0.10%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-22 11:44:32

End at: 2018-05-22 11:45:02

Local clock offset: 0.729 ms

Remote clock offset: -0.88 ms

Below is generated by plot.py at 2018-05-22 13:07:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.37 Mbit/s

95th percentile per-packet one-way delay: 15.728 ms

Loss rate: 0.11%

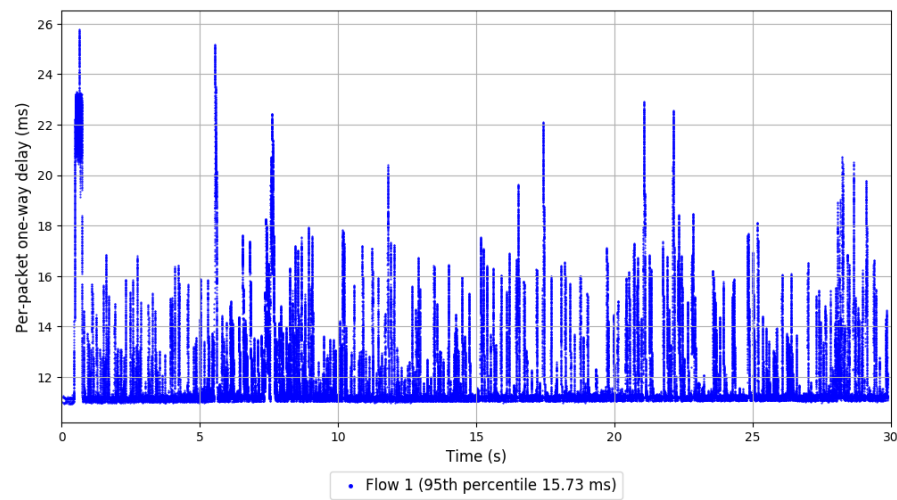
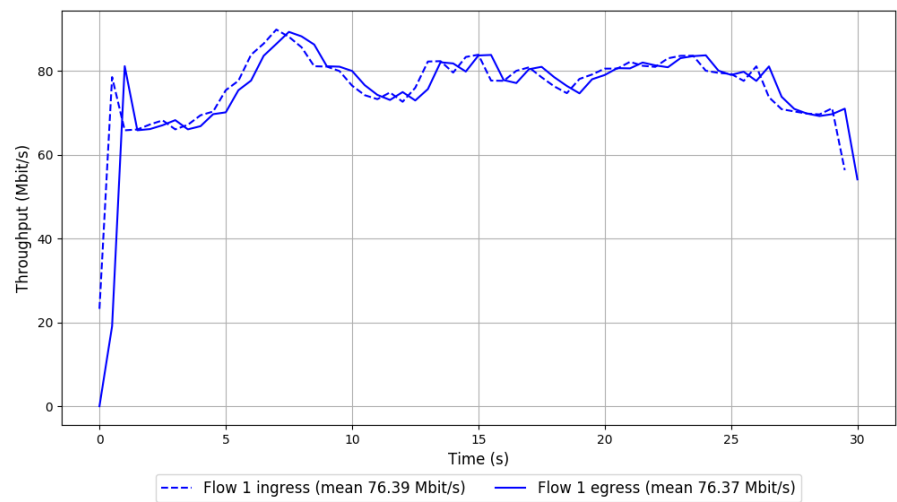
-- Flow 1:

Average throughput: 76.37 Mbit/s

95th percentile per-packet one-way delay: 15.728 ms

Loss rate: 0.11%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-22 12:02:45

End at: 2018-05-22 12:03:15

Local clock offset: 2.082 ms

Remote clock offset: 0.819 ms

Below is generated by plot.py at 2018-05-22 13:07:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.38 Mbit/s

95th percentile per-packet one-way delay: 26.644 ms

Loss rate: 0.12%

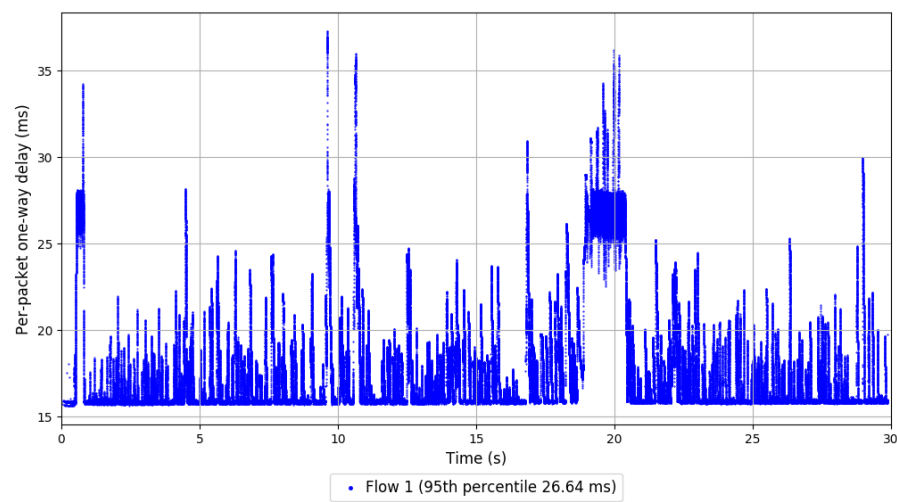
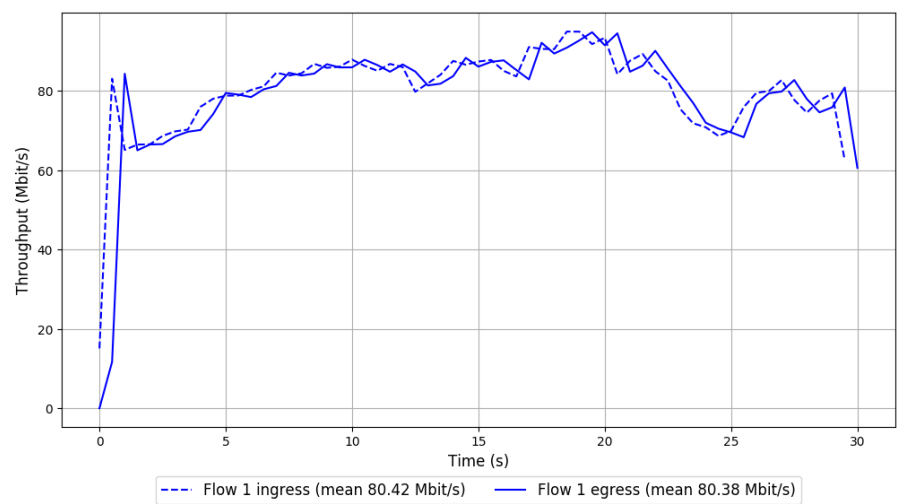
-- Flow 1:

Average throughput: 80.38 Mbit/s

95th percentile per-packet one-way delay: 26.644 ms

Loss rate: 0.12%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

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

End at: 2018-05-22 12:21:42

Local clock offset: 1.536 ms

Remote clock offset: 1.491 ms

Below is generated by plot.py at 2018-05-22 13:08:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.34 Mbit/s

95th percentile per-packet one-way delay: 29.608 ms

Loss rate: 0.53%

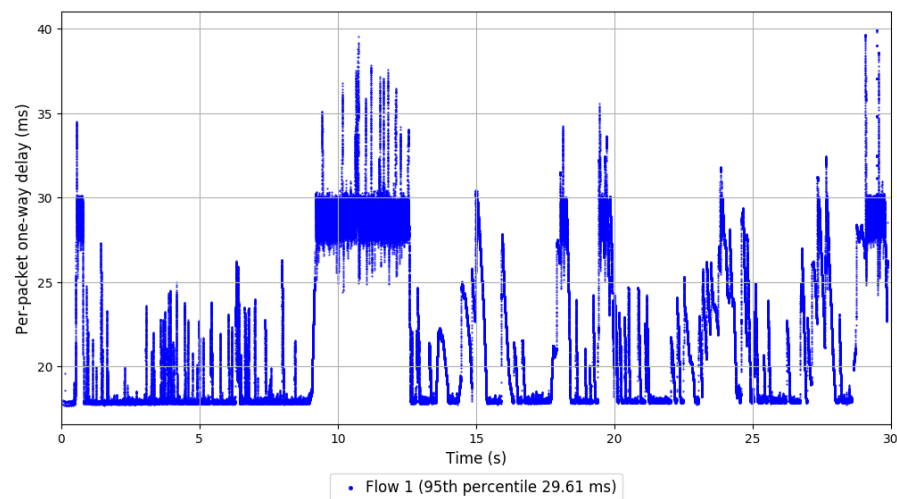
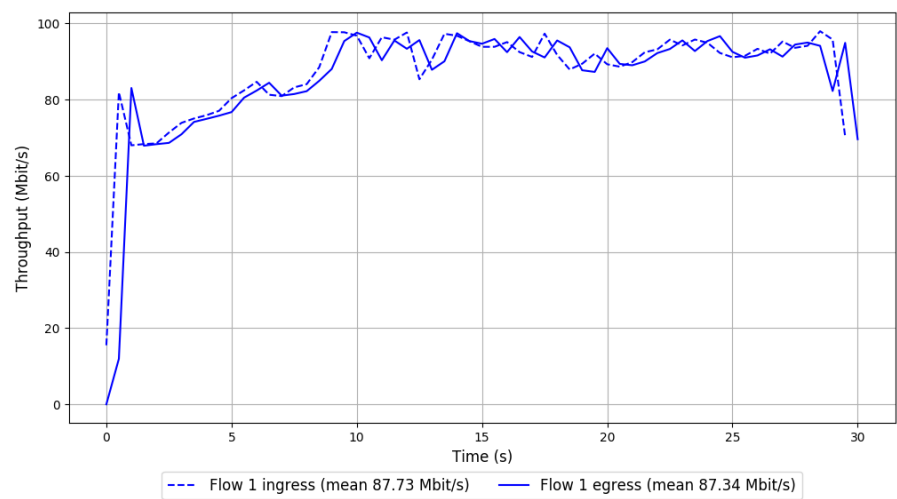
-- Flow 1:

Average throughput: 87.34 Mbit/s

95th percentile per-packet one-way delay: 29.608 ms

Loss rate: 0.53%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-22 12:39:34

End at: 2018-05-22 12:40:04

Local clock offset: 1.449 ms

Remote clock offset: 5.837 ms

Below is generated by plot.py at 2018-05-22 13:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.16 Mbit/s

95th percentile per-packet one-way delay: 24.522 ms

Loss rate: 0.11%

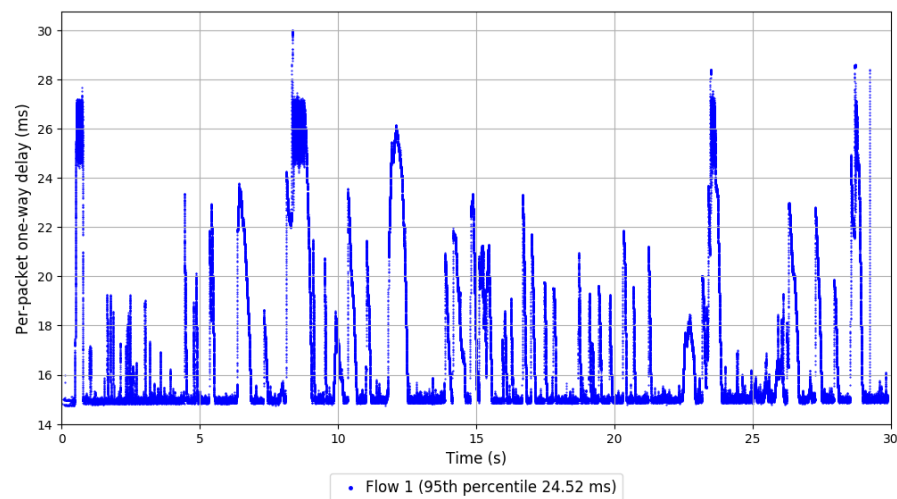
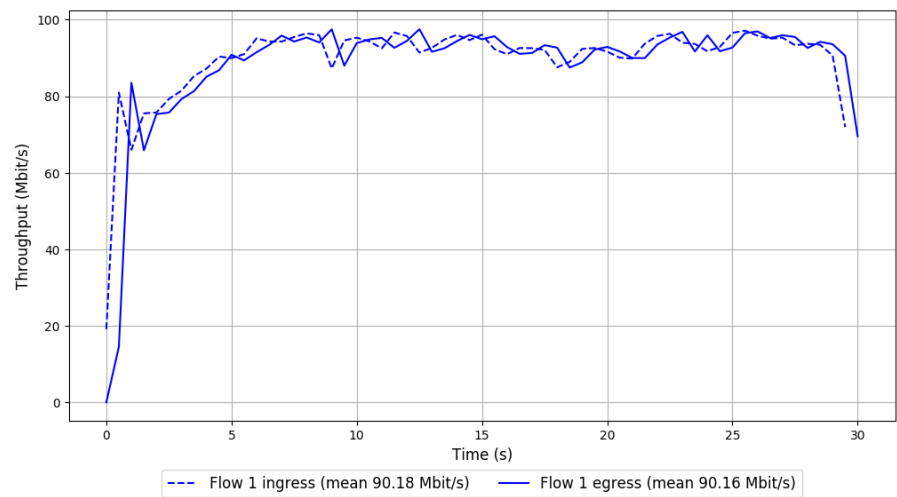
-- Flow 1:

Average throughput: 90.16 Mbit/s

95th percentile per-packet one-way delay: 24.522 ms

Loss rate: 0.11%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-05-22 10:03:32
End at: 2018-05-22 10:04:02
Local clock offset: 1.86 ms
Remote clock offset: -2.232 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-05-22 10:22:03

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

Local clock offset: 0.027 ms

Remote clock offset: -2.245 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-05-22 10:40:46

End at: 2018-05-22 10:41:16

Local clock offset: -1.457 ms

Remote clock offset: -0.395 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-05-22 10:59:32

End at: 2018-05-22 11:00:02

Local clock offset: 1.483 ms

Remote clock offset: 2.564 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

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

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

Local clock offset: 1.948 ms

Remote clock offset: -1.627 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-05-22 11:36:43

End at: 2018-05-22 11:37:13

Local clock offset: -0.281 ms

Remote clock offset: -2.194 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-05-22 11:54:53

End at: 2018-05-22 11:55:23

Local clock offset: 0.733 ms

Remote clock offset: 0.698 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-05-22 12:13:22

End at: 2018-05-22 12:13:52

Local clock offset: -0.407 ms

Remote clock offset: 2.078 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-05-22 12:31:43

End at: 2018-05-22 12:32:13

Local clock offset: 2.036 ms

Remote clock offset: 3.005 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-05-22 12:50:18

End at: 2018-05-22 12:50:48

Local clock offset: -0.345 ms

Remote clock offset: 3.565 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of QUIC Cubic

Start at: 2018-05-22 10:07:58

End at: 2018-05-22 10:08:28

Local clock offset: 1.888 ms

Remote clock offset: -8.519 ms

Below is generated by plot.py at 2018-05-22 13:08:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.20 Mbit/s

95th percentile per-packet one-way delay: 30.738 ms

Loss rate: 0.10%

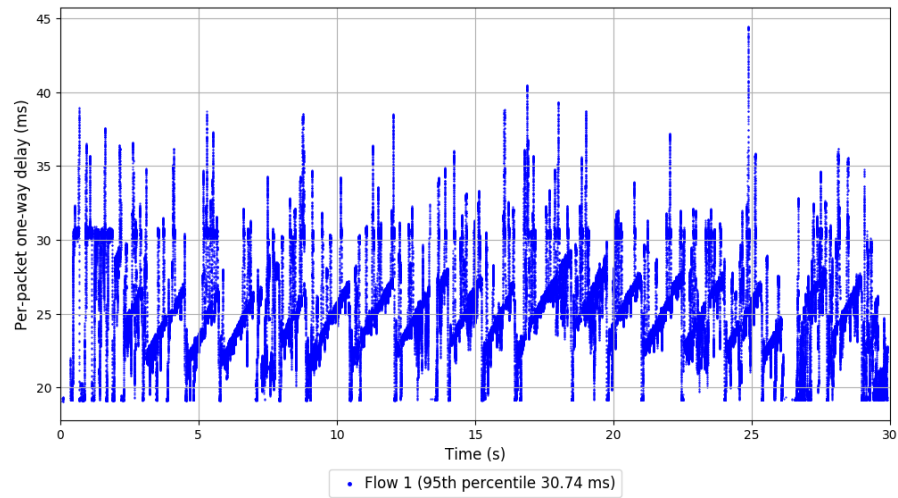
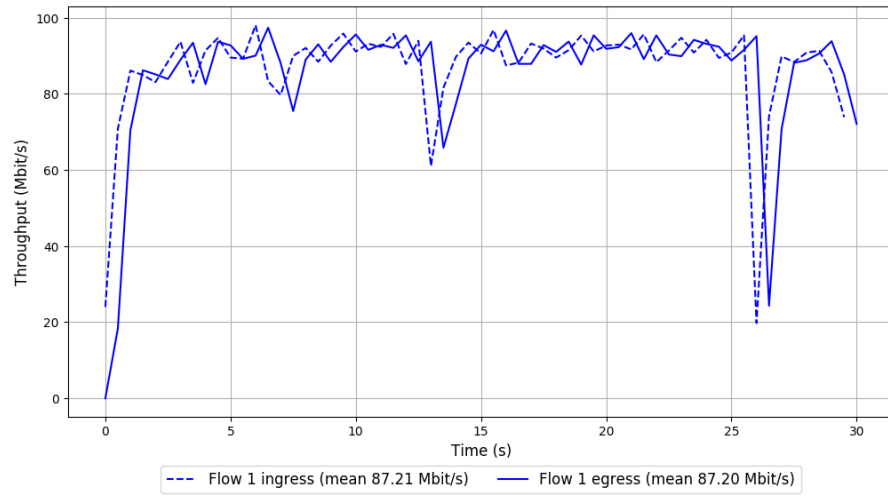
-- Flow 1:

Average throughput: 87.20 Mbit/s

95th percentile per-packet one-way delay: 30.738 ms

Loss rate: 0.10%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-22 10:26:30

End at: 2018-05-22 10:27:00

Local clock offset: 2.08 ms

Remote clock offset: -3.391 ms

Below is generated by plot.py at 2018-05-22 13:08:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.35 Mbit/s

95th percentile per-packet one-way delay: 26.881 ms

Loss rate: 0.14%

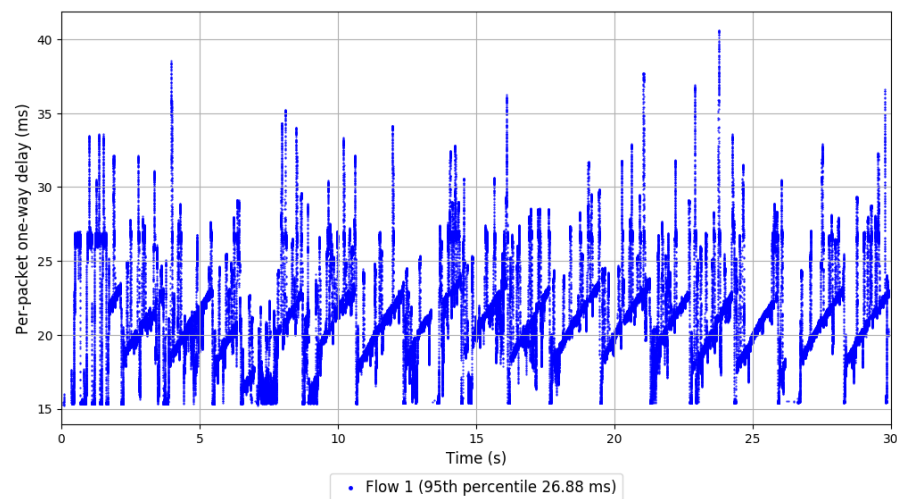
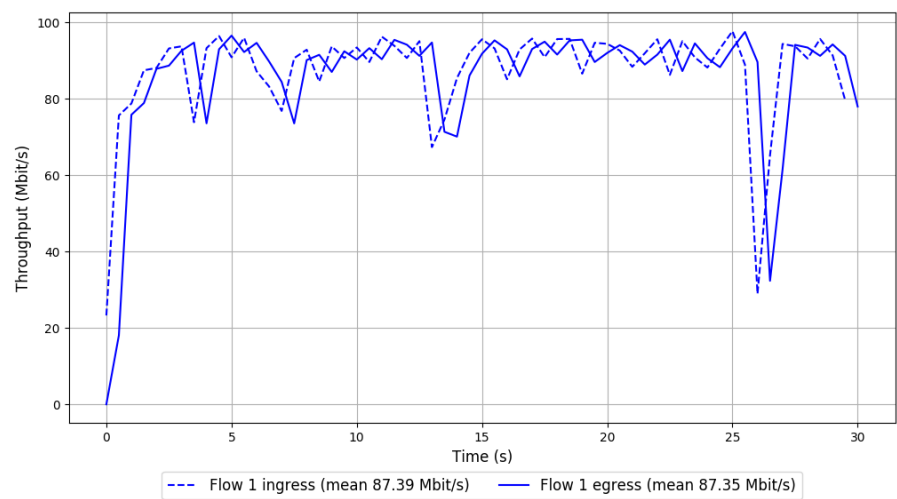
-- Flow 1:

Average throughput: 87.35 Mbit/s

95th percentile per-packet one-way delay: 26.881 ms

Loss rate: 0.14%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-22 10:45:15

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

Local clock offset: 2.023 ms

Remote clock offset: 1.316 ms

Below is generated by plot.py at 2018-05-22 13:08:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.05 Mbit/s

95th percentile per-packet one-way delay: 27.324 ms

Loss rate: 0.14%

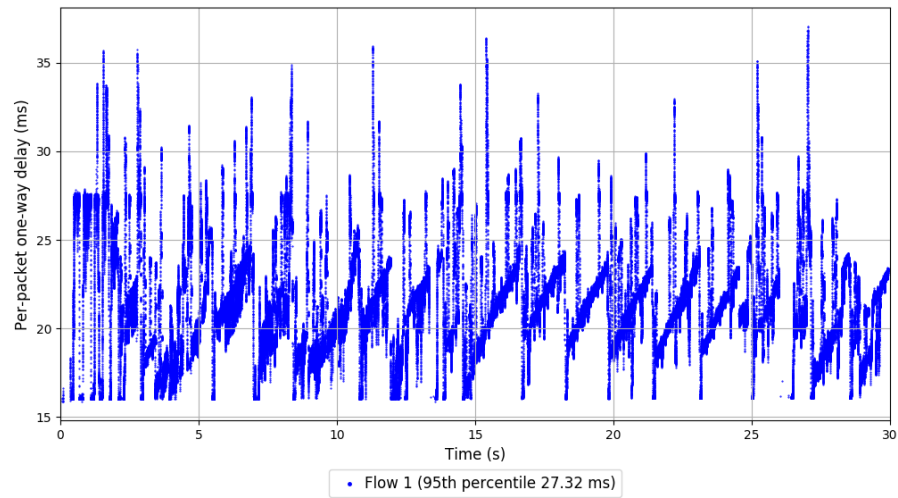
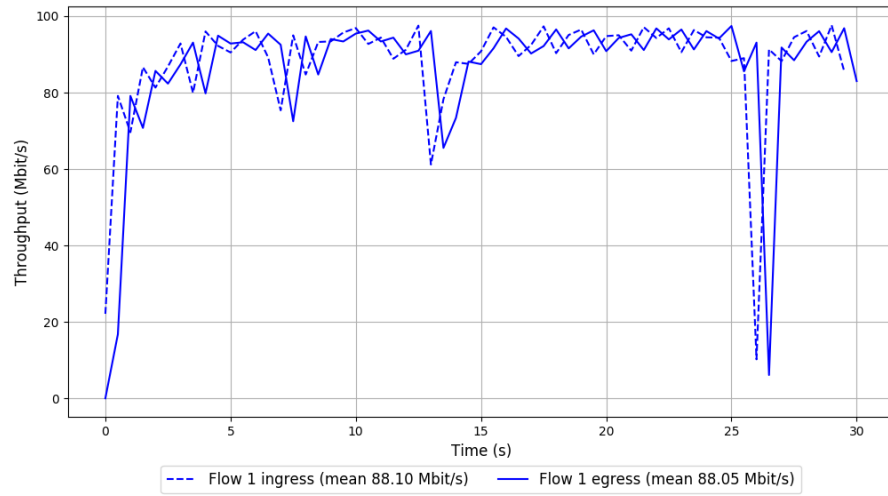
-- Flow 1:

Average throughput: 88.05 Mbit/s

95th percentile per-packet one-way delay: 27.324 ms

Loss rate: 0.14%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

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

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

Local clock offset: -0.418 ms

Remote clock offset: 2.99 ms

Below is generated by plot.py at 2018-05-22 13:08:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.01 Mbit/s

95th percentile per-packet one-way delay: 17.006 ms

Loss rate: 0.11%

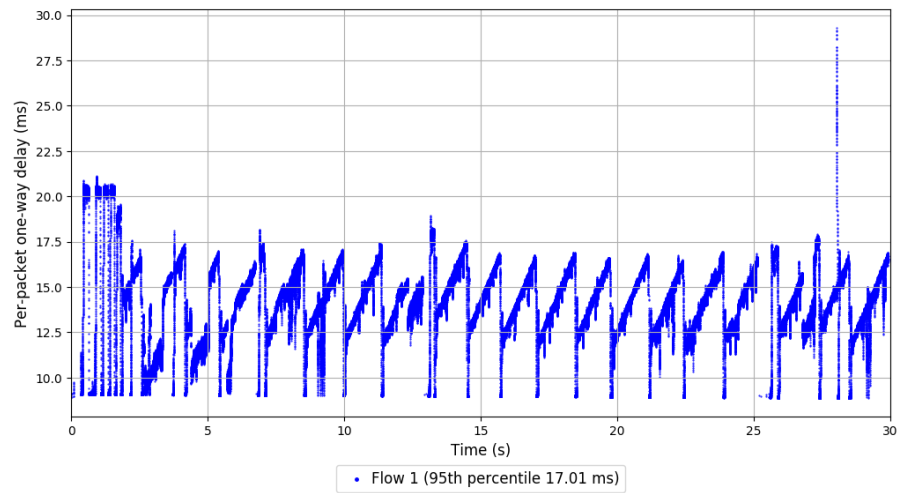
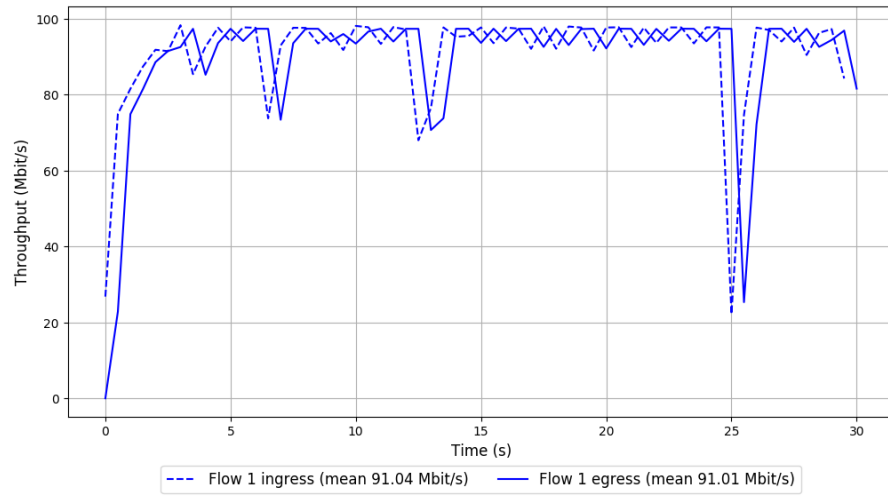
-- Flow 1:

Average throughput: 91.01 Mbit/s

95th percentile per-packet one-way delay: 17.006 ms

Loss rate: 0.11%

Run 4: Report of QUIC Cubic — Data Link

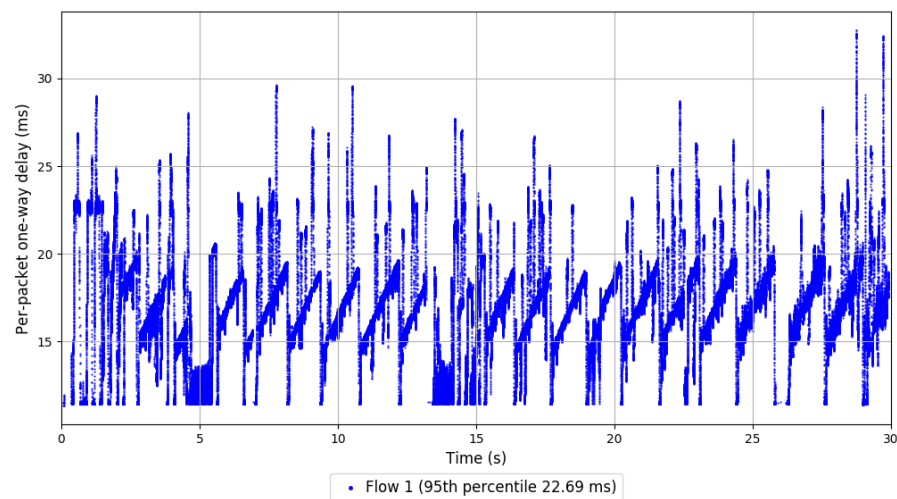
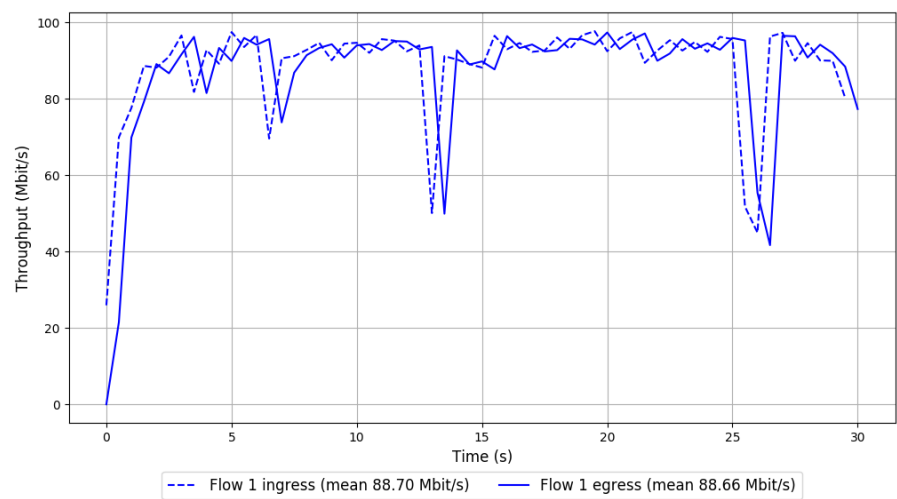


Run 5: Statistics of QUIC Cubic

Start at: 2018-05-22 11:22:30
End at: 2018-05-22 11:23:00
Local clock offset: -1.221 ms
Remote clock offset: -3.112 ms

Below is generated by plot.py at 2018-05-22 13:08:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.66 Mbit/s
95th percentile per-packet one-way delay: 22.690 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 88.66 Mbit/s
95th percentile per-packet one-way delay: 22.690 ms
Loss rate: 0.12%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-22 11:41:09

End at: 2018-05-22 11:41:39

Local clock offset: 2.246 ms

Remote clock offset: -2.717 ms

Below is generated by plot.py at 2018-05-22 13:09:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.77 Mbit/s

95th percentile per-packet one-way delay: 25.571 ms

Loss rate: 0.13%

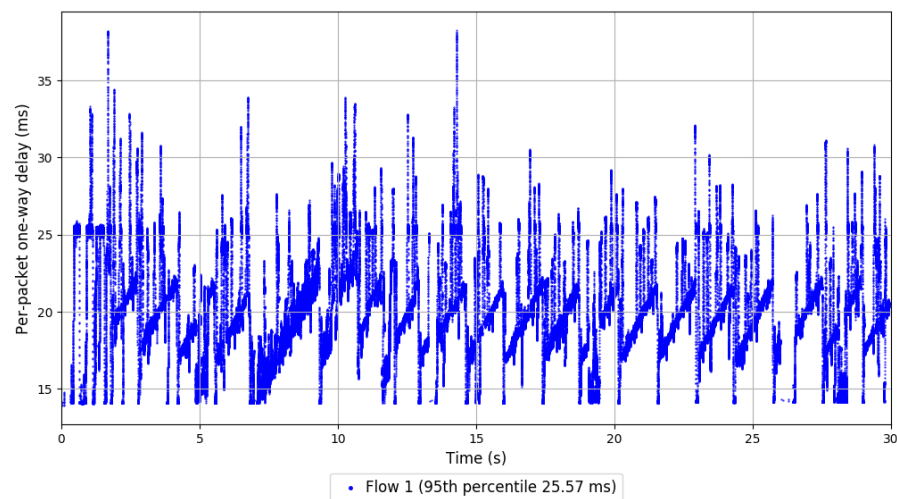
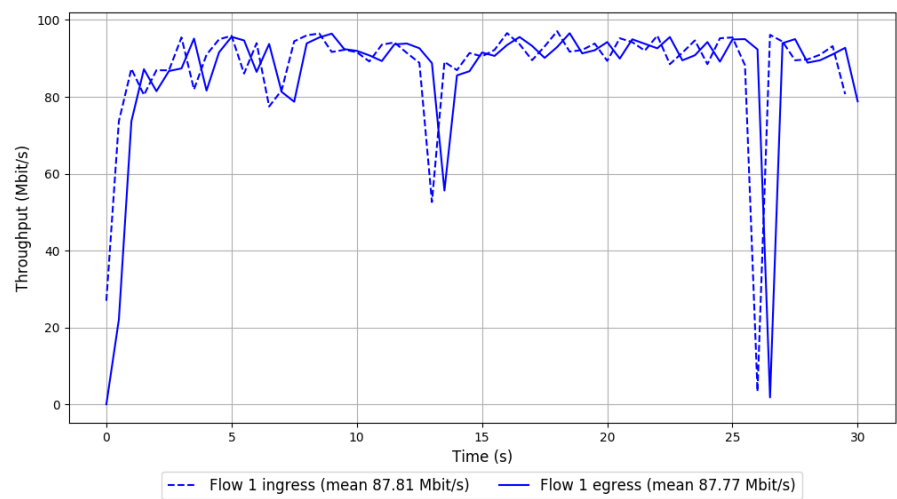
-- Flow 1:

Average throughput: 87.77 Mbit/s

95th percentile per-packet one-way delay: 25.571 ms

Loss rate: 0.13%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-05-22 11:59:22

End at: 2018-05-22 11:59:52

Local clock offset: 2.061 ms

Remote clock offset: 1.015 ms

Below is generated by plot.py at 2018-05-22 13:09:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.86 Mbit/s

95th percentile per-packet one-way delay: 26.486 ms

Loss rate: 0.13%

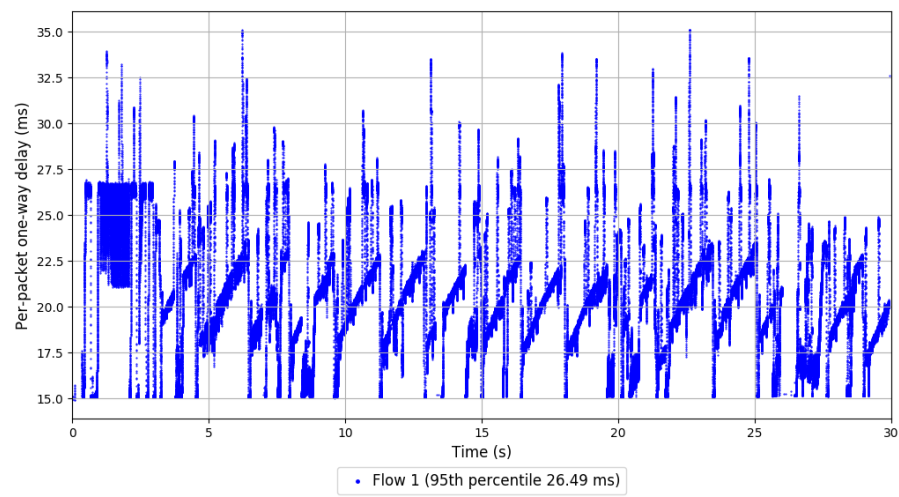
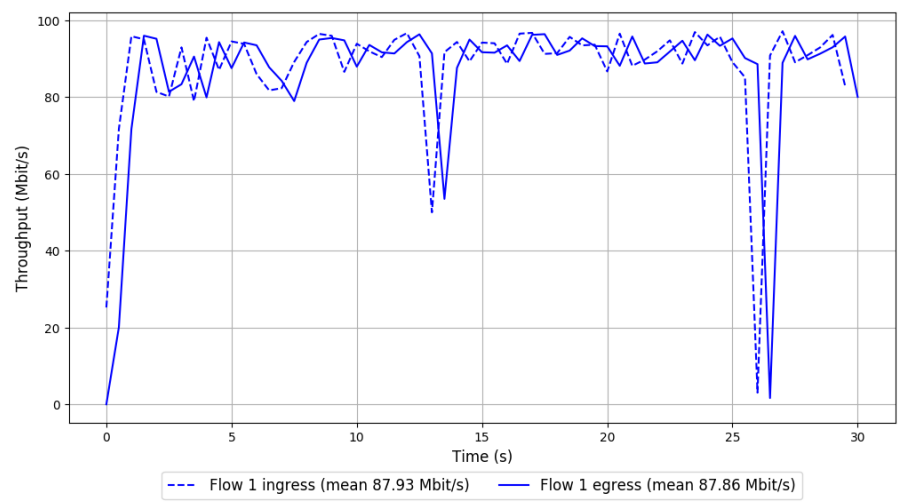
-- Flow 1:

Average throughput: 87.86 Mbit/s

95th percentile per-packet one-way delay: 26.486 ms

Loss rate: 0.13%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

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

End at: 2018-05-22 12:18:16

Local clock offset: 0.537 ms

Remote clock offset: 1.924 ms

Below is generated by plot.py at 2018-05-22 13:09:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.40 Mbit/s

95th percentile per-packet one-way delay: 27.461 ms

Loss rate: 0.13%

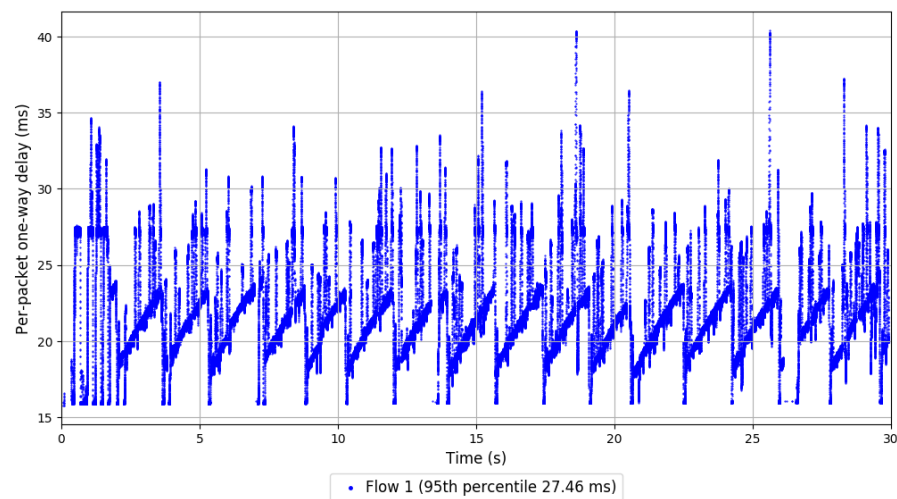
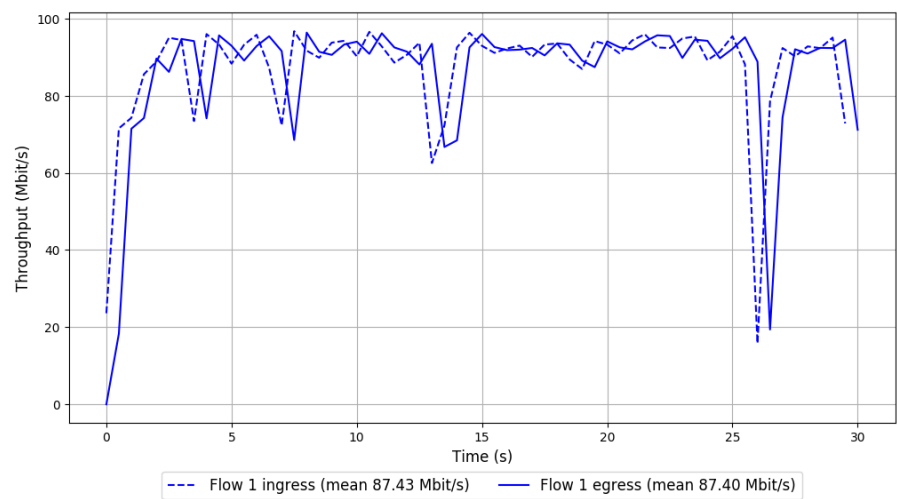
-- Flow 1:

Average throughput: 87.40 Mbit/s

95th percentile per-packet one-way delay: 27.461 ms

Loss rate: 0.13%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-22 12:36:09

End at: 2018-05-22 12:36:39

Local clock offset: 0.167 ms

Remote clock offset: 3.951 ms

Below is generated by plot.py at 2018-05-22 13:09:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.84 Mbit/s

95th percentile per-packet one-way delay: 25.554 ms

Loss rate: 0.13%

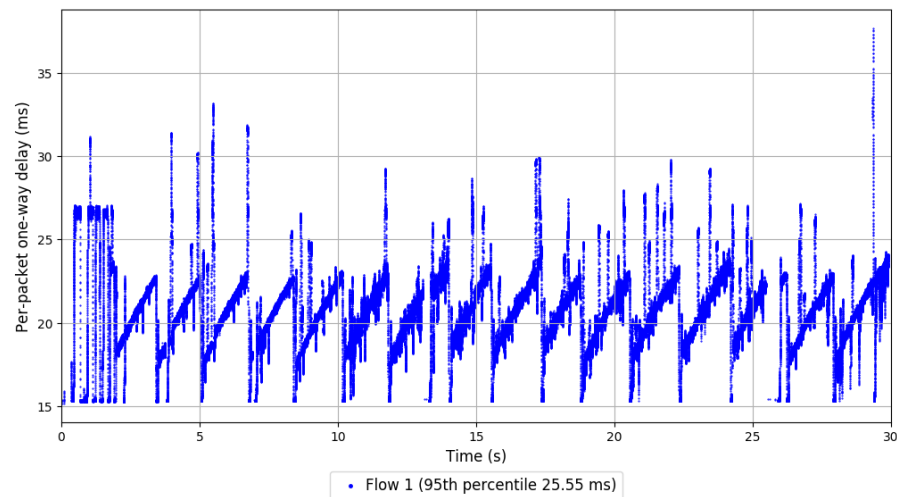
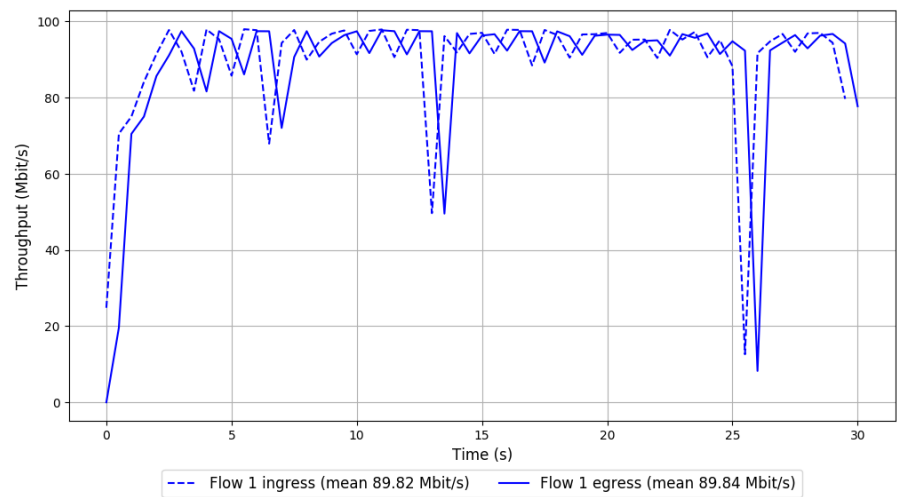
-- Flow 1:

Average throughput: 89.84 Mbit/s

95th percentile per-packet one-way delay: 25.554 ms

Loss rate: 0.13%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-22 12:54:48

End at: 2018-05-22 12:55:18

Local clock offset: 0.245 ms

Remote clock offset: 1.254 ms

Below is generated by plot.py at 2018-05-22 13:09:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.66 Mbit/s

95th percentile per-packet one-way delay: 23.416 ms

Loss rate: 0.12%

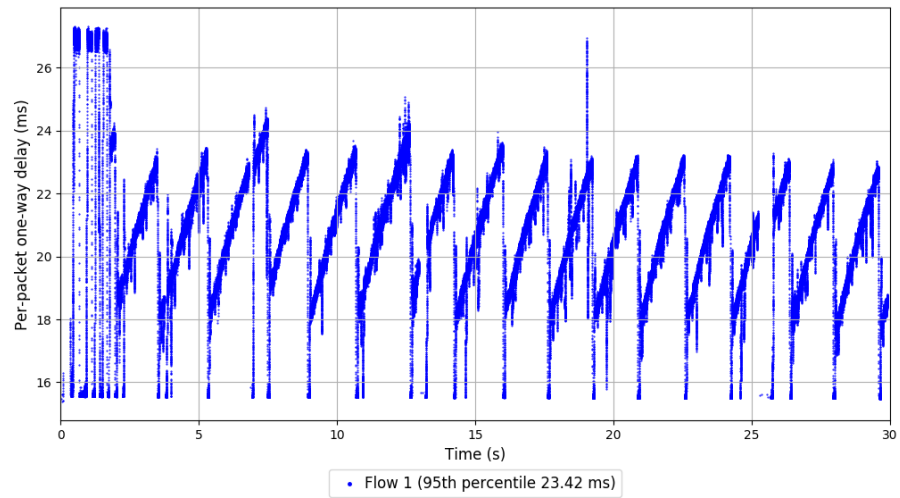
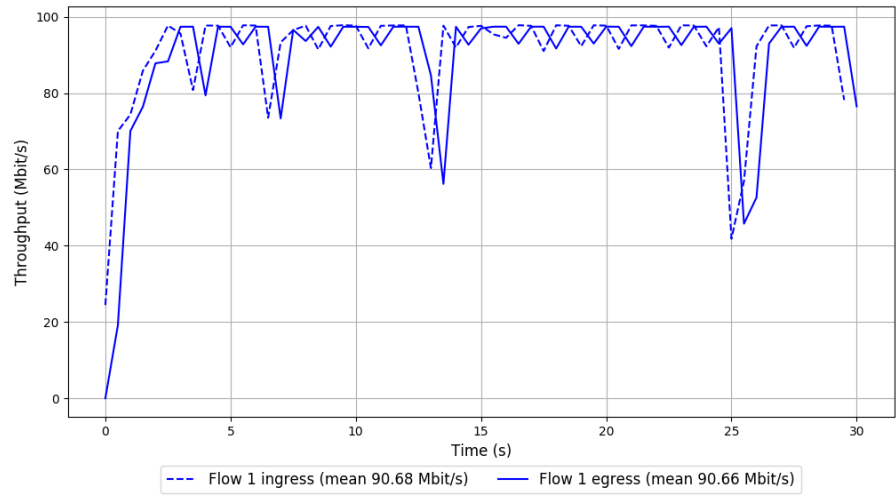
-- Flow 1:

Average throughput: 90.66 Mbit/s

95th percentile per-packet one-way delay: 23.416 ms

Loss rate: 0.12%

Run 10: Report of QUIC Cubic — Data Link

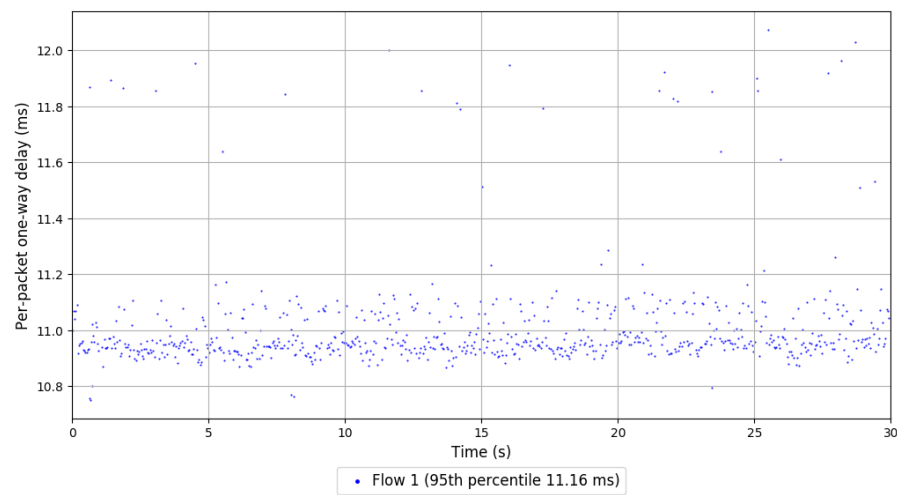
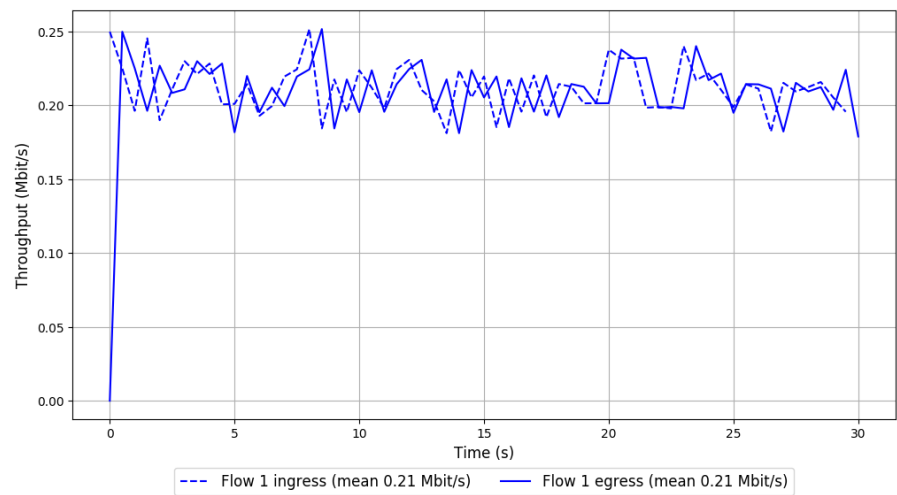


Run 1: Statistics of SCReAM

Start at: 2018-05-22 10:05:44
End at: 2018-05-22 10:06:14
Local clock offset: -0.269 ms
Remote clock offset: -2.505 ms

Below is generated by plot.py at 2018-05-22 13:09:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.162 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.162 ms
Loss rate: 0.13%

Run 1: Report of SReAM — Data Link

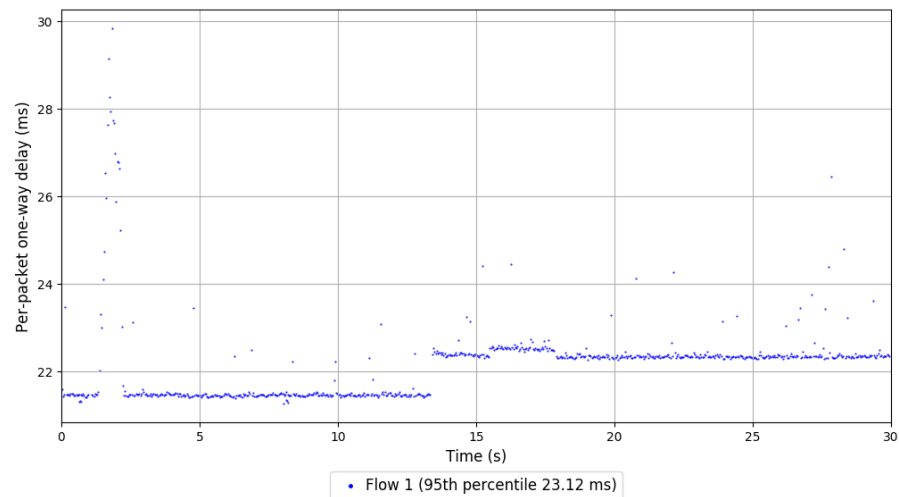
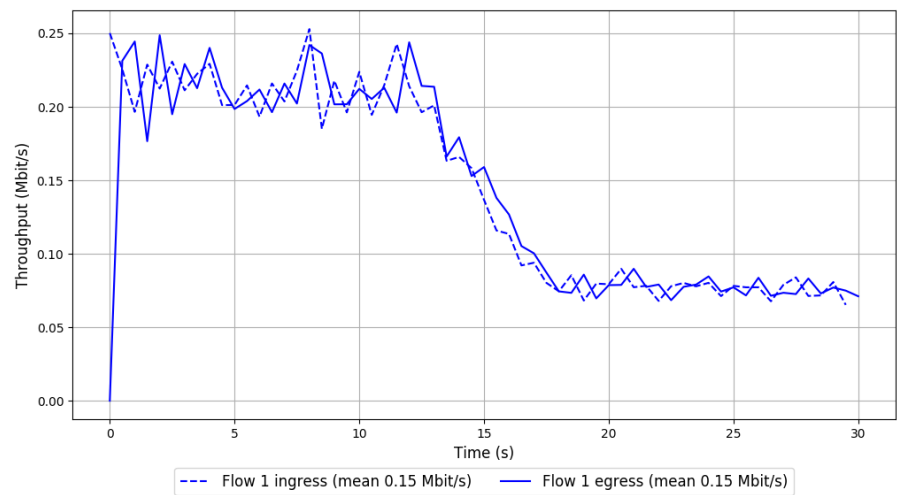


Run 2: Statistics of SCReAM

Start at: 2018-05-22 10:24:16
End at: 2018-05-22 10:24:46
Local clock offset: -0.053 ms
Remote clock offset: -12.641 ms

Below is generated by plot.py at 2018-05-22 13:09:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 23.123 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 23.123 ms
Loss rate: 0.29%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-05-22 10:43:00

End at: 2018-05-22 10:43:30

Local clock offset: 0.392 ms

Remote clock offset: 2.012 ms

Below is generated by plot.py at 2018-05-22 13:09:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.565 ms

Loss rate: 0.13%

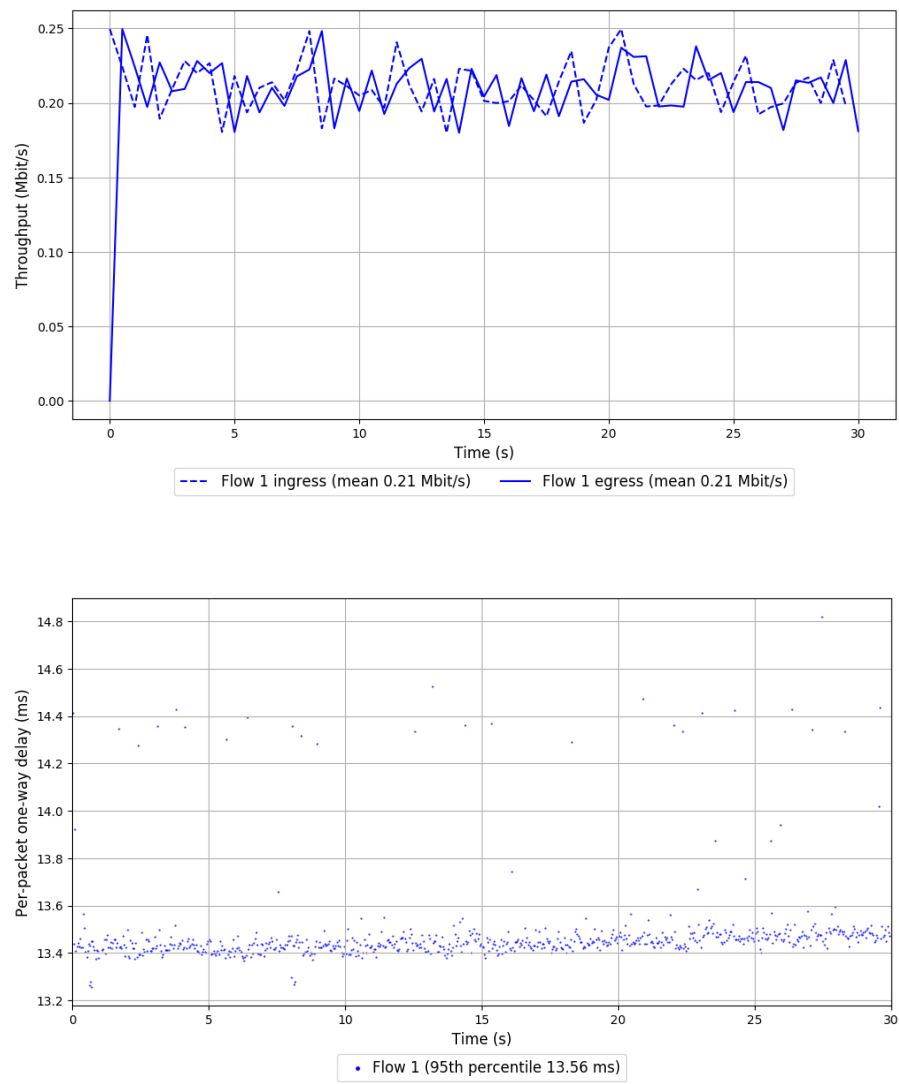
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.565 ms

Loss rate: 0.13%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-05-22 11:01:45

End at: 2018-05-22 11:02:15

Local clock offset: 0.703 ms

Remote clock offset: 3.125 ms

Below is generated by plot.py at 2018-05-22 13:09:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.290 ms

Loss rate: 0.13%

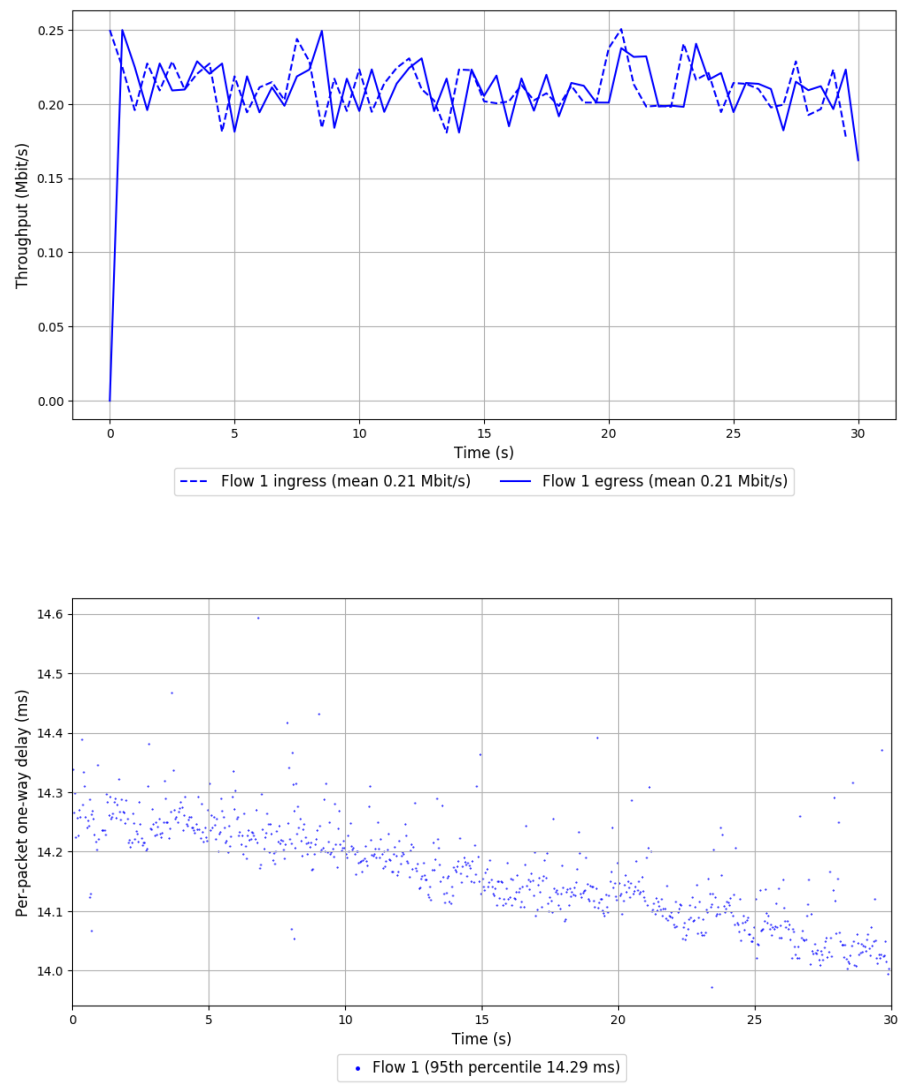
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.290 ms

Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

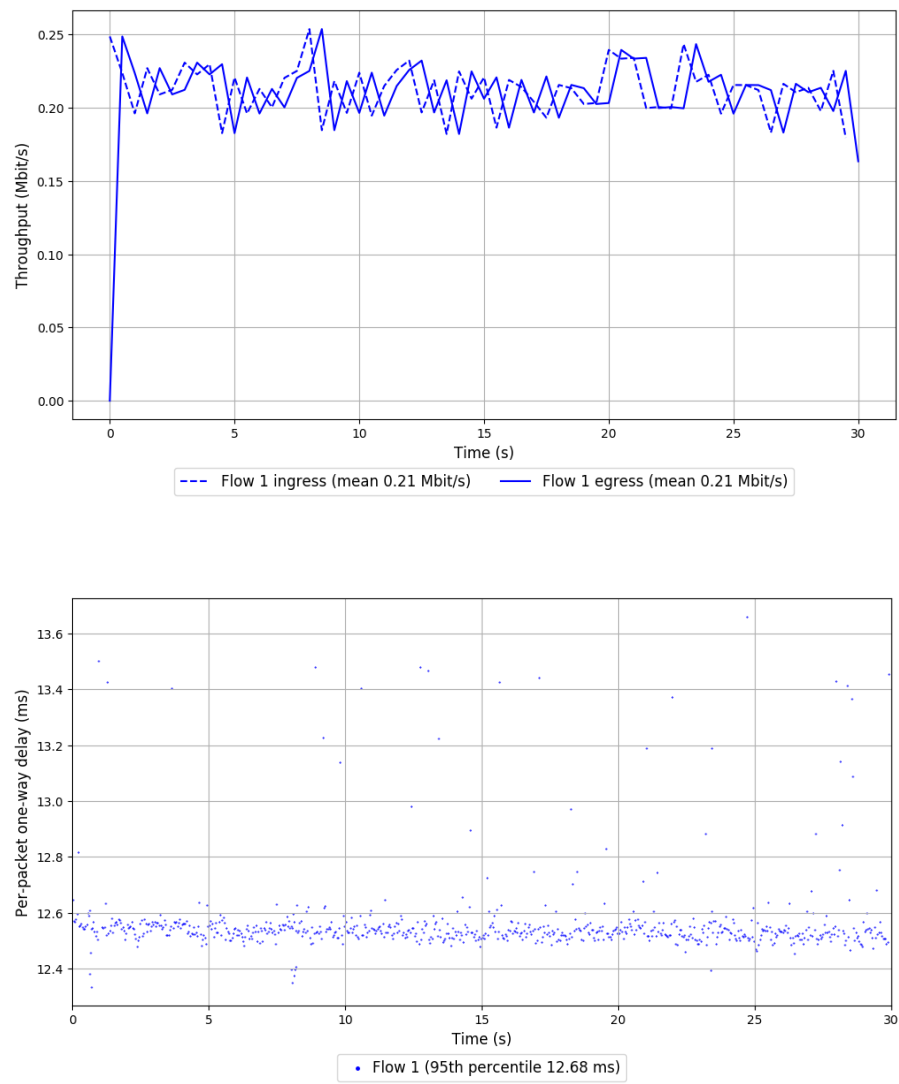


Run 5: Statistics of SCReAM

Start at: 2018-05-22 11:20:16
End at: 2018-05-22 11:20:46
Local clock offset: -0.047 ms
Remote clock offset: -2.879 ms

Below is generated by plot.py at 2018-05-22 13:09:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.678 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.678 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

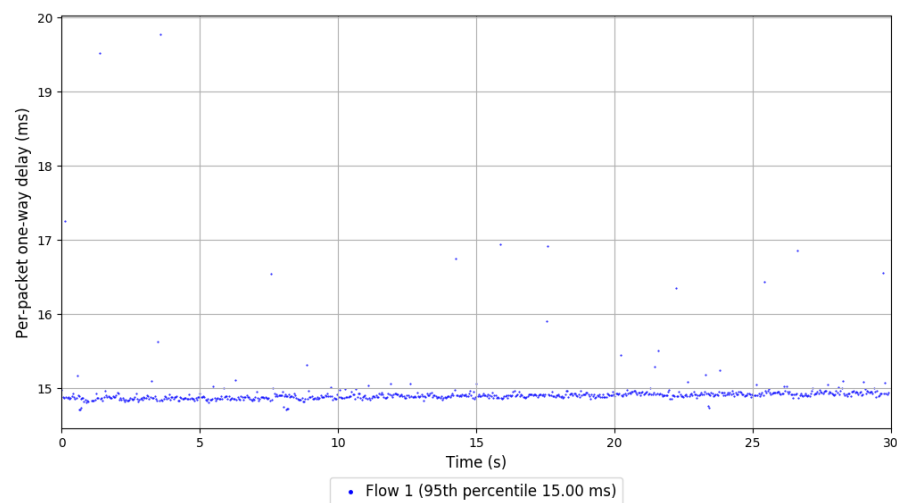
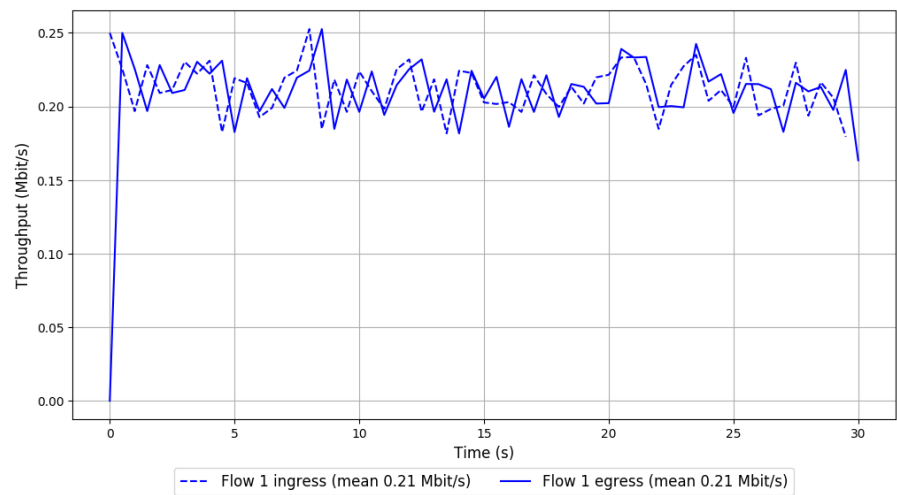


Run 6: Statistics of SCReAM

Start at: 2018-05-22 11:38:56
End at: 2018-05-22 11:39:26
Local clock offset: 2.66 ms
Remote clock offset: -3.434 ms

Below is generated by plot.py at 2018-05-22 13:09:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.998 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.998 ms
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-05-22 11:57:07

End at: 2018-05-22 11:57:37

Local clock offset: 0.4 ms

Remote clock offset: 1.136 ms

Below is generated by plot.py at 2018-05-22 13:09:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.029 ms

Loss rate: 0.13%

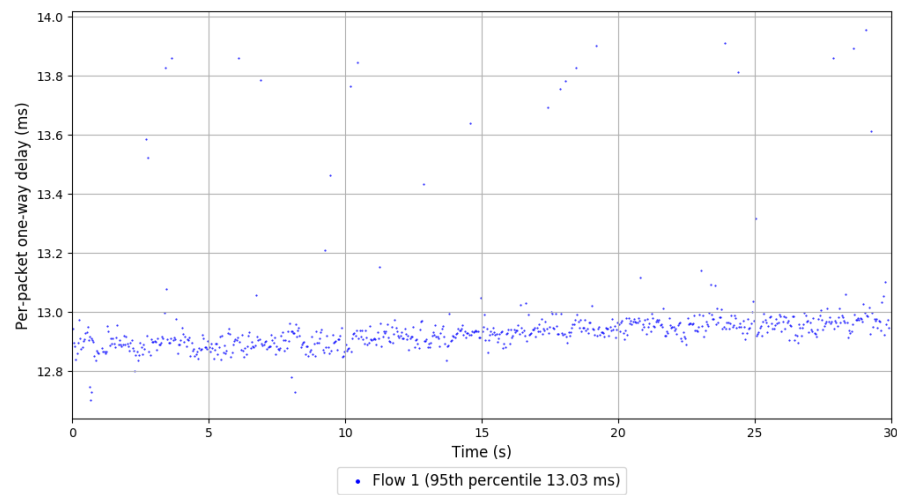
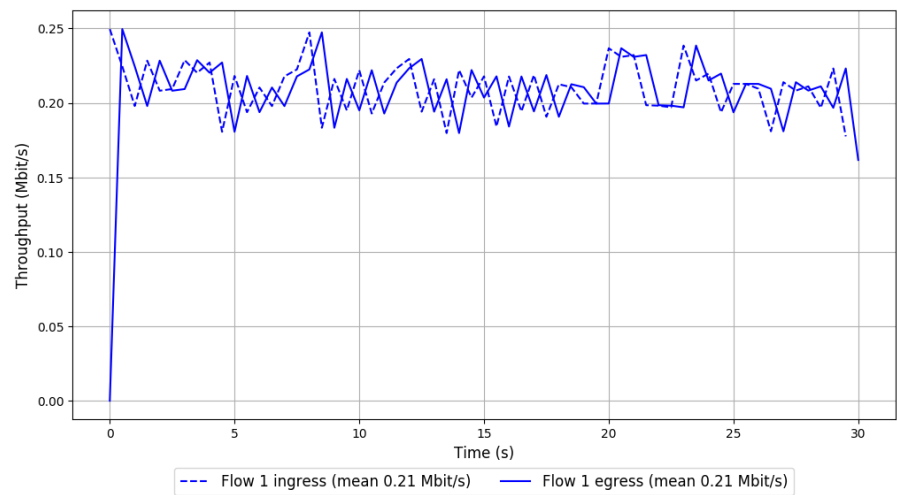
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.029 ms

Loss rate: 0.13%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-05-22 12:15:33

End at: 2018-05-22 12:16:03

Local clock offset: -0.201 ms

Remote clock offset: 2.707 ms

Below is generated by plot.py at 2018-05-22 13:09:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.156 ms

Loss rate: 0.13%

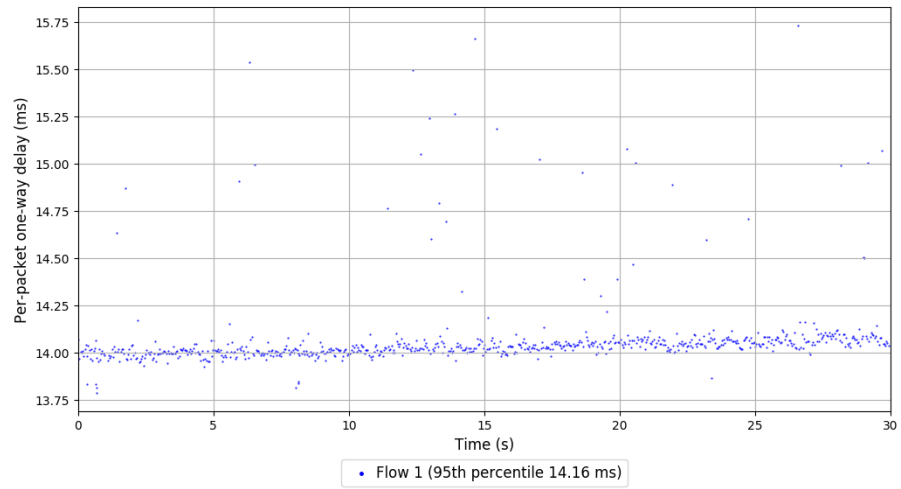
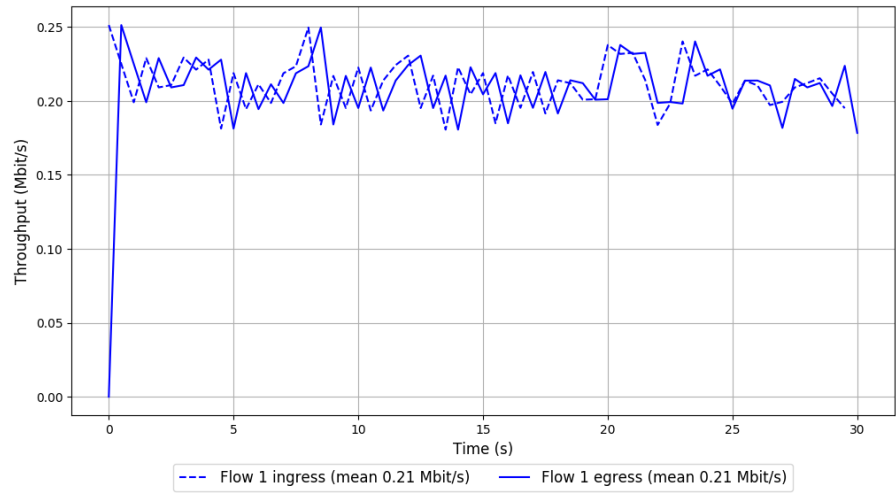
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.156 ms

Loss rate: 0.13%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-05-22 12:33:56

End at: 2018-05-22 12:34:26

Local clock offset: 0.55 ms

Remote clock offset: 4.914 ms

Below is generated by plot.py at 2018-05-22 13:09:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.712 ms

Loss rate: 0.13%

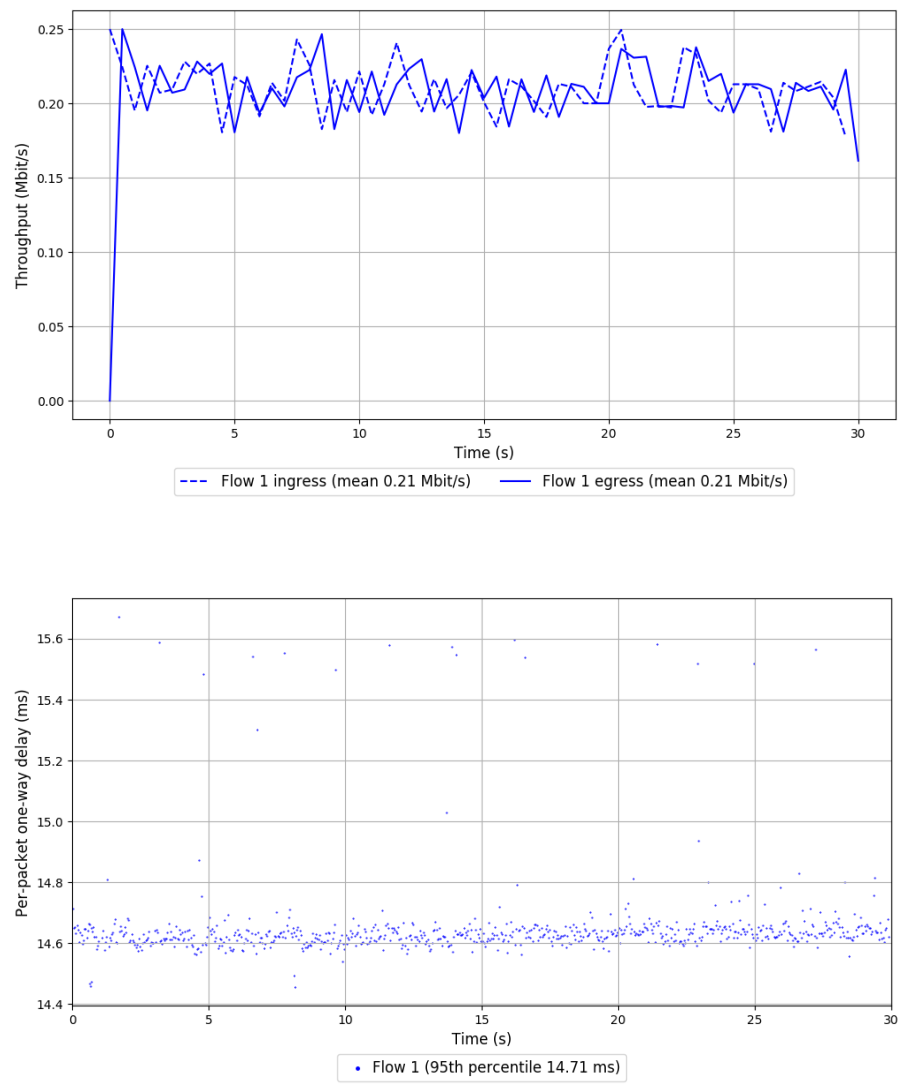
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.712 ms

Loss rate: 0.13%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-05-22 12:52:34

End at: 2018-05-22 12:53:04

Local clock offset: -0.256 ms

Remote clock offset: 1.092 ms

Below is generated by plot.py at 2018-05-22 13:09:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.644 ms

Loss rate: 0.13%

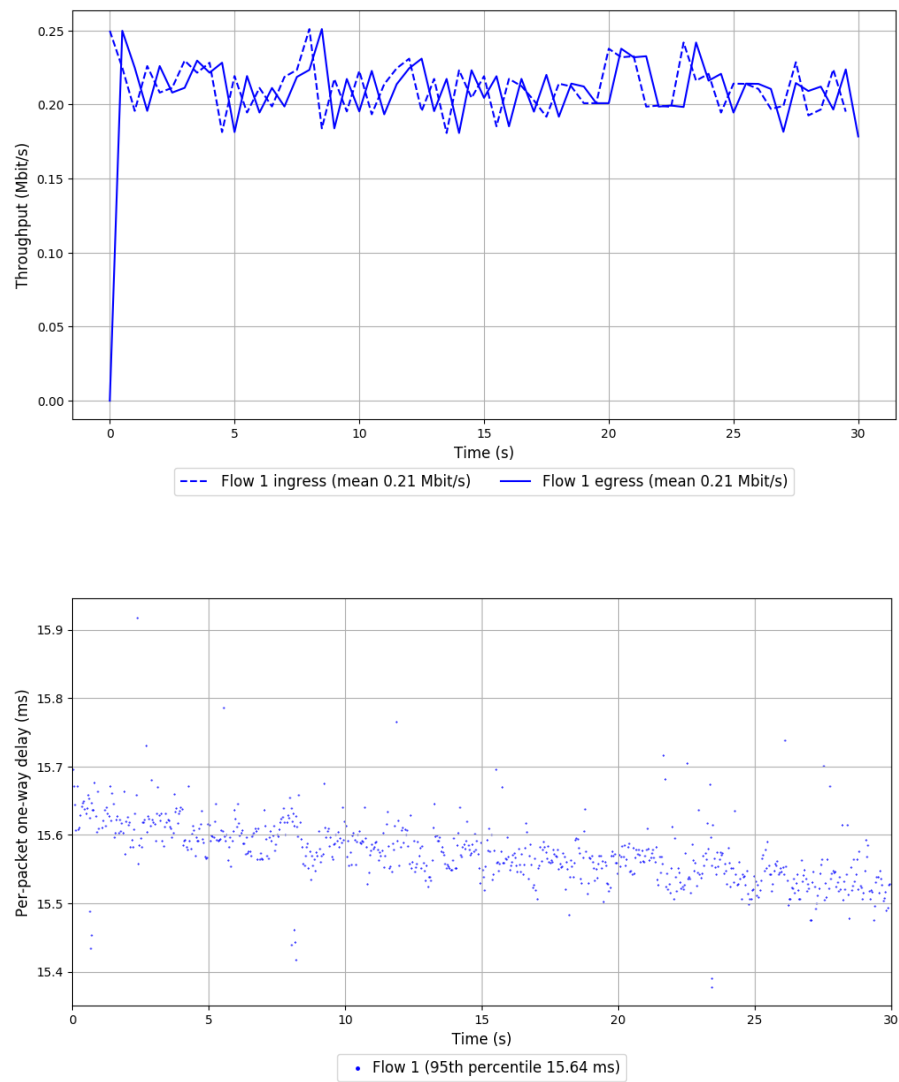
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.644 ms

Loss rate: 0.13%

Run 10: Report of SCRaM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-22 10:00:04

End at: 2018-05-22 10:00:34

Local clock offset: 1.584 ms

Remote clock offset: -2.774 ms

Below is generated by plot.py at 2018-05-22 13:09:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.96 Mbit/s

95th percentile per-packet one-way delay: 20.202 ms

Loss rate: 0.00%

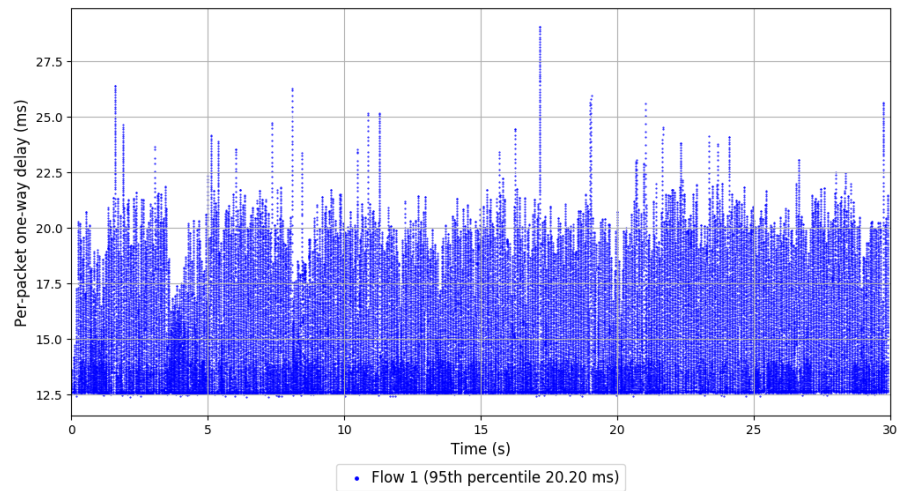
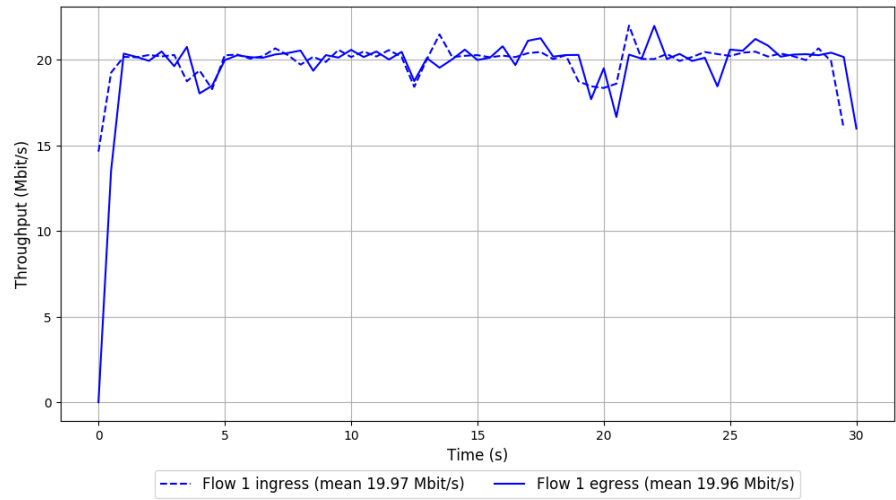
-- Flow 1:

Average throughput: 19.96 Mbit/s

95th percentile per-packet one-way delay: 20.202 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

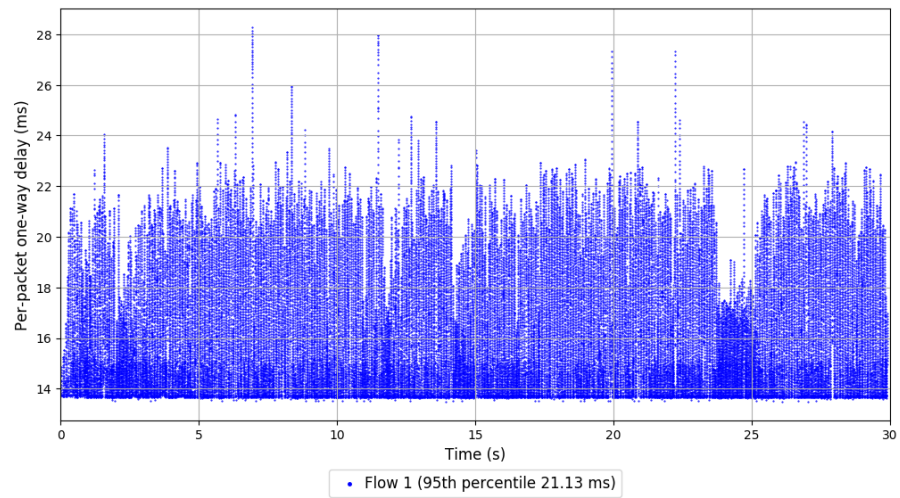
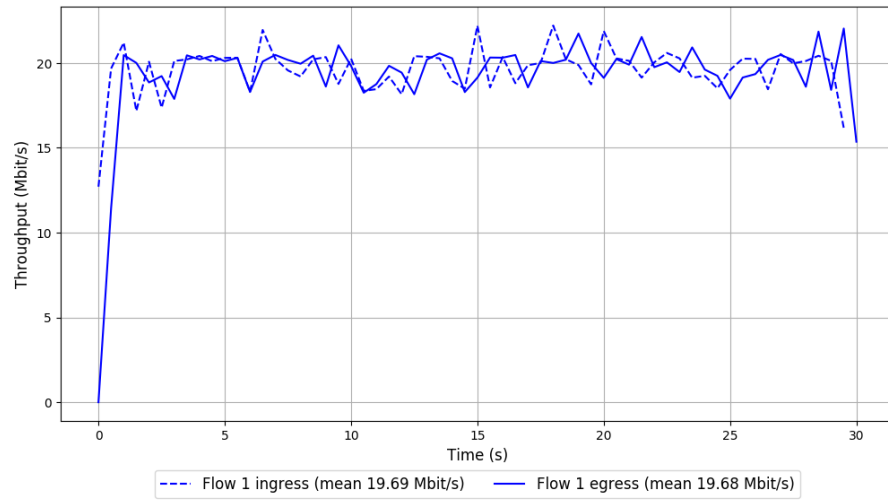


Run 2: Statistics of Sprout

Start at: 2018-05-22 10:18:32
End at: 2018-05-22 10:19:02
Local clock offset: 1.136 ms
Remote clock offset: -3.674 ms

Below is generated by plot.py at 2018-05-22 13:09:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.68 Mbit/s
95th percentile per-packet one-way delay: 21.132 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 19.68 Mbit/s
95th percentile per-packet one-way delay: 21.132 ms
Loss rate: 0.08%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-05-22 10:37:14

End at: 2018-05-22 10:37:44

Local clock offset: 0.057 ms

Remote clock offset: 0.862 ms

Below is generated by plot.py at 2018-05-22 13:09:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.54 Mbit/s

95th percentile per-packet one-way delay: 20.652 ms

Loss rate: 0.11%

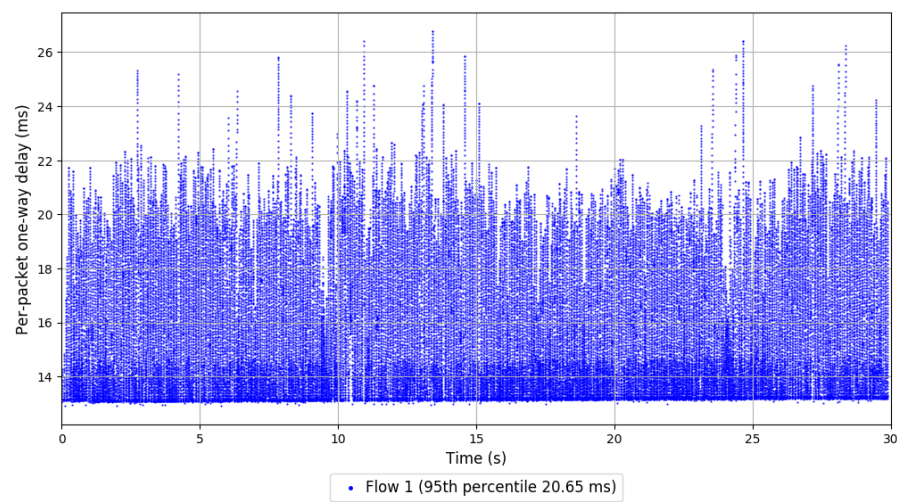
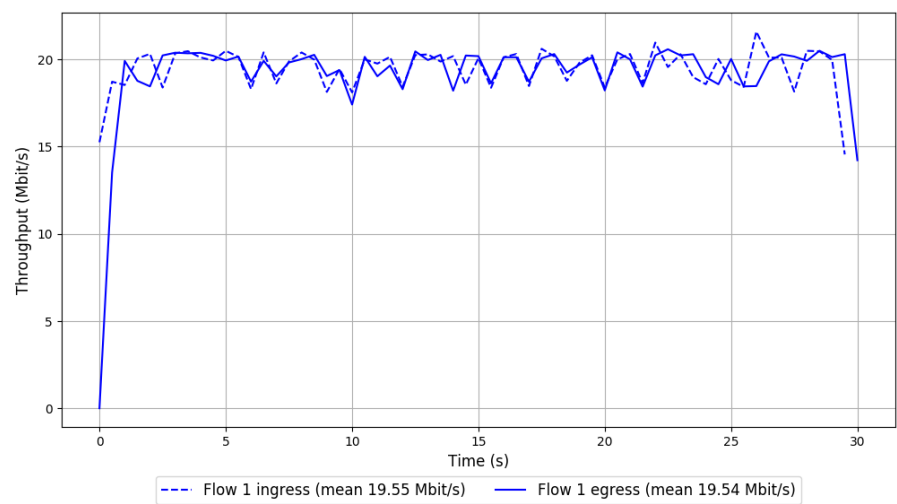
-- Flow 1:

Average throughput: 19.54 Mbit/s

95th percentile per-packet one-way delay: 20.652 ms

Loss rate: 0.11%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-05-22 10:55:58

End at: 2018-05-22 10:56:28

Local clock offset: -0.146 ms

Remote clock offset: 0.352 ms

Below is generated by plot.py at 2018-05-22 13:09:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.57 Mbit/s

95th percentile per-packet one-way delay: 22.826 ms

Loss rate: 0.18%

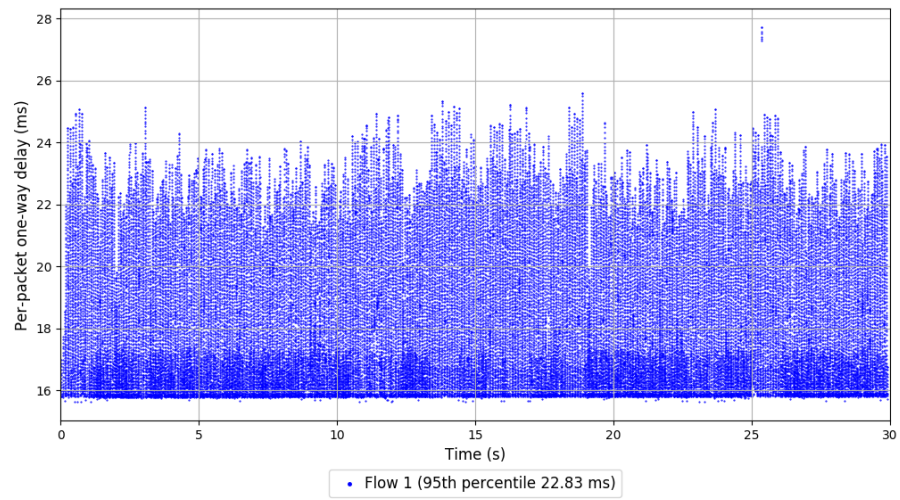
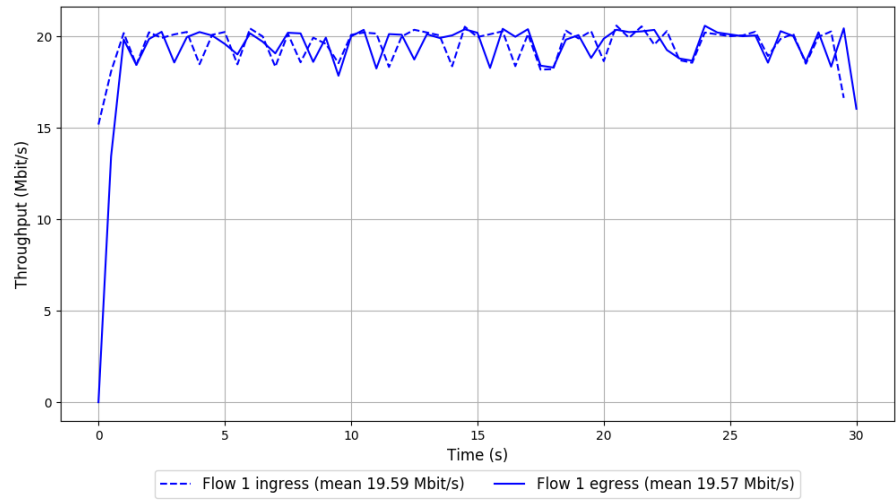
-- Flow 1:

Average throughput: 19.57 Mbit/s

95th percentile per-packet one-way delay: 22.826 ms

Loss rate: 0.18%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-22 11:14:29

End at: 2018-05-22 11:14:59

Local clock offset: -1.005 ms

Remote clock offset: -1.06 ms

Below is generated by plot.py at 2018-05-22 13:09:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.49 Mbit/s

95th percentile per-packet one-way delay: 18.019 ms

Loss rate: 0.16%

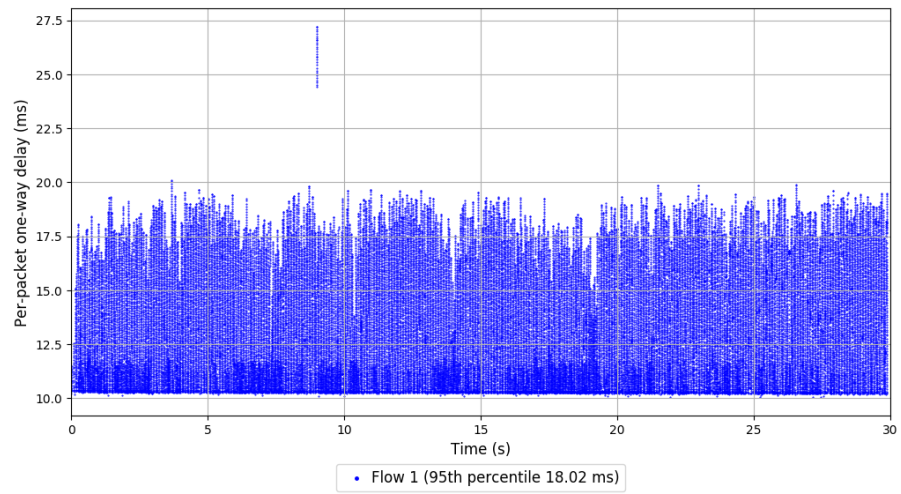
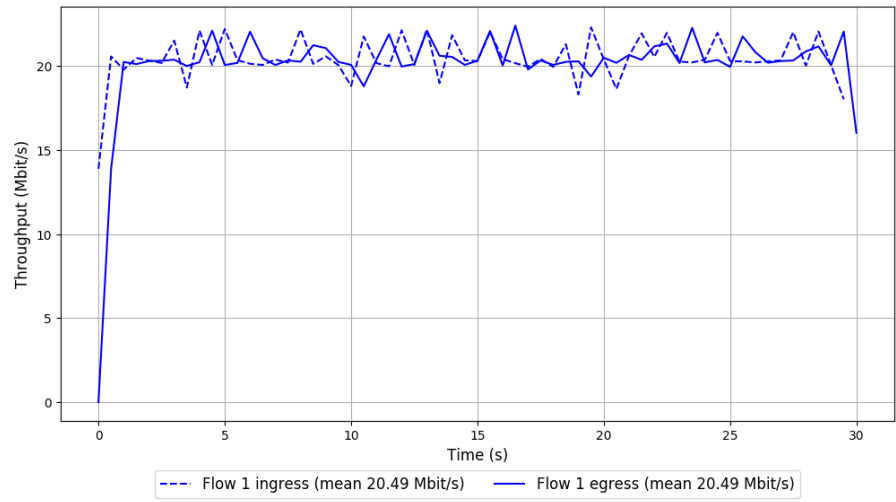
-- Flow 1:

Average throughput: 20.49 Mbit/s

95th percentile per-packet one-way delay: 18.019 ms

Loss rate: 0.16%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-22 11:33:11

End at: 2018-05-22 11:33:41

Local clock offset: 0.691 ms

Remote clock offset: -2.26 ms

Below is generated by plot.py at 2018-05-22 13:09:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.93 Mbit/s

95th percentile per-packet one-way delay: 19.188 ms

Loss rate: 0.16%

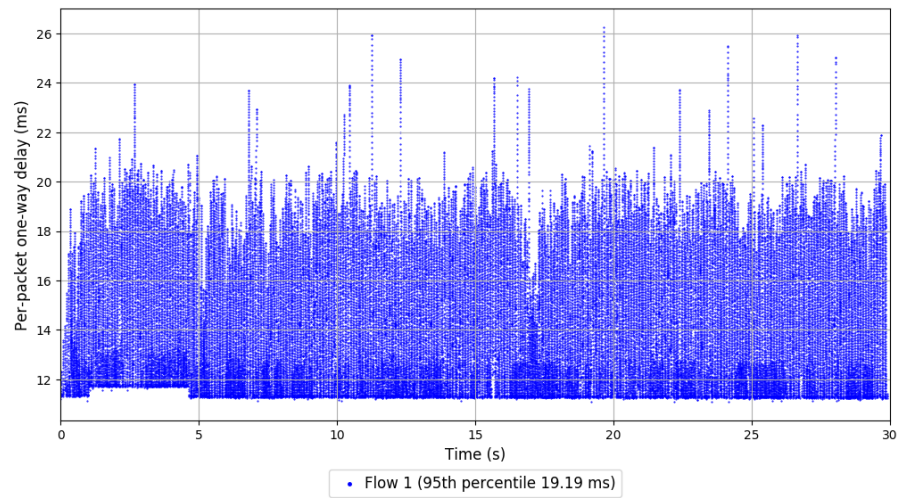
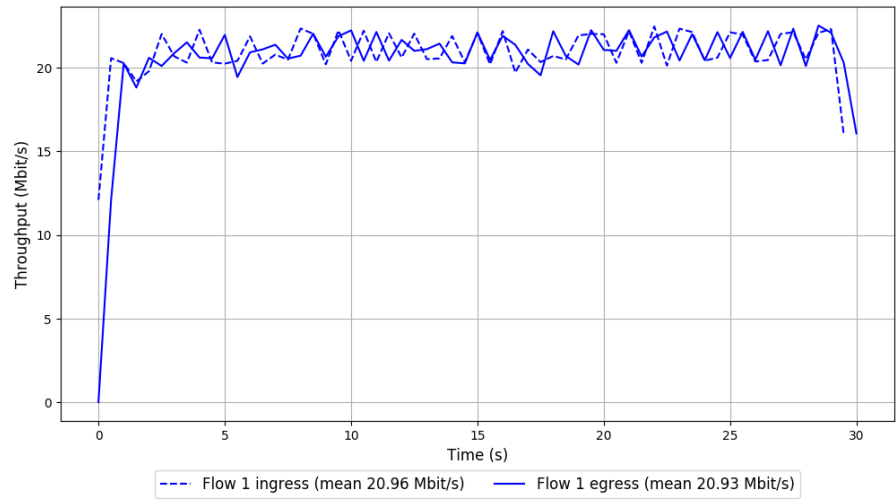
-- Flow 1:

Average throughput: 20.93 Mbit/s

95th percentile per-packet one-way delay: 19.188 ms

Loss rate: 0.16%

Run 6: Report of Sprout — Data Link

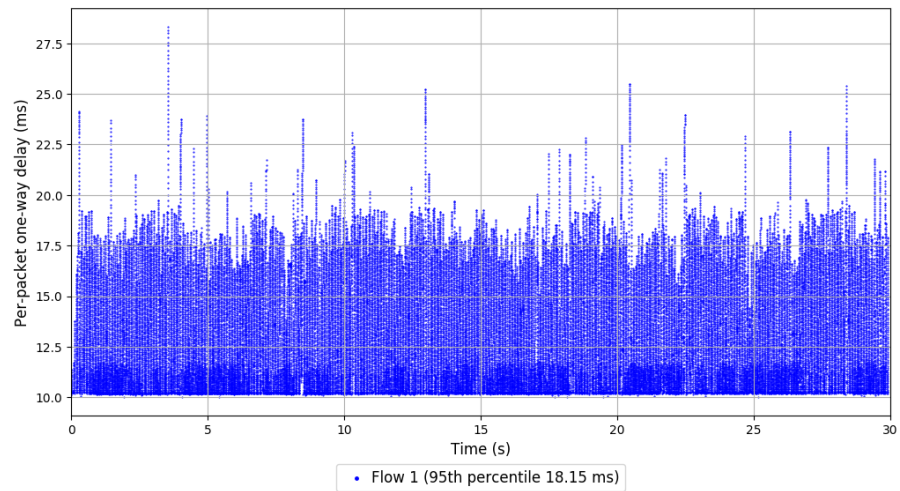
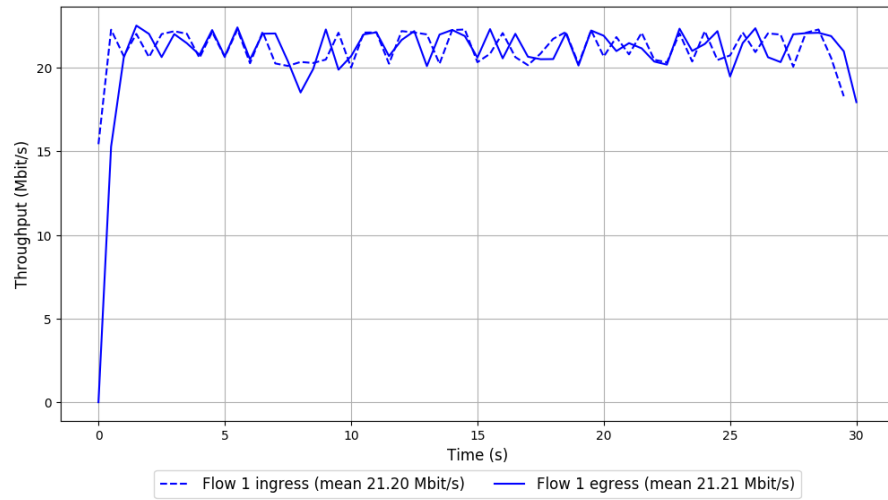


Run 7: Statistics of Sprout

Start at: 2018-05-22 11:51:23
End at: 2018-05-22 11:51:53
Local clock offset: 0.383 ms
Remote clock offset: 0.401 ms

Below is generated by plot.py at 2018-05-22 13:09:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 18.146 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 18.146 ms
Loss rate: 0.03%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-05-22 12:09:51

End at: 2018-05-22 12:10:21

Local clock offset: 0.129 ms

Remote clock offset: 2.251 ms

Below is generated by plot.py at 2018-05-22 13:09:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.57 Mbit/s

95th percentile per-packet one-way delay: 20.729 ms

Loss rate: 0.17%

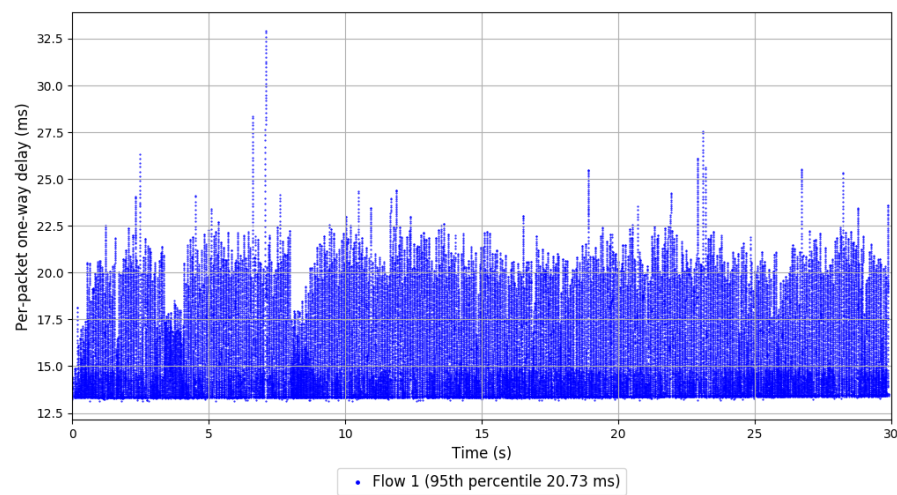
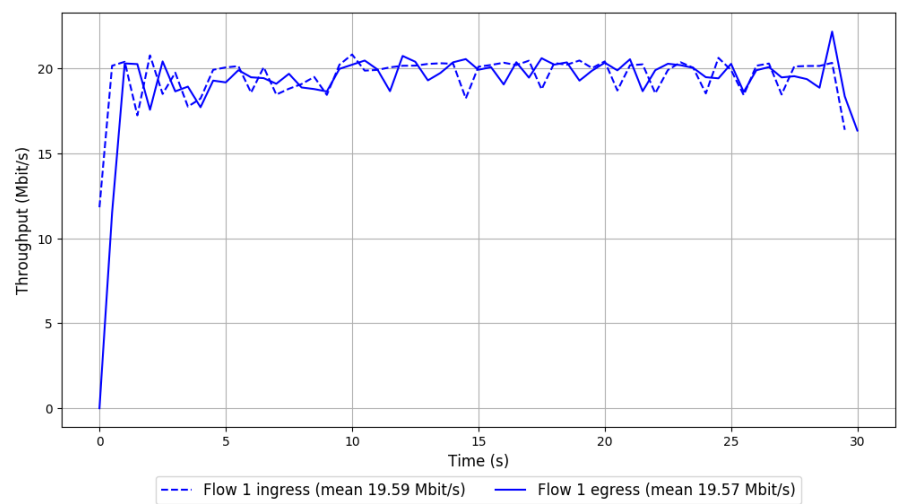
-- Flow 1:

Average throughput: 19.57 Mbit/s

95th percentile per-packet one-way delay: 20.729 ms

Loss rate: 0.17%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-22 12:28:14

End at: 2018-05-22 12:28:44

Local clock offset: 0.335 ms

Remote clock offset: 2.979 ms

Below is generated by plot.py at 2018-05-22 13:09:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.67 Mbit/s

95th percentile per-packet one-way delay: 23.439 ms

Loss rate: 0.17%

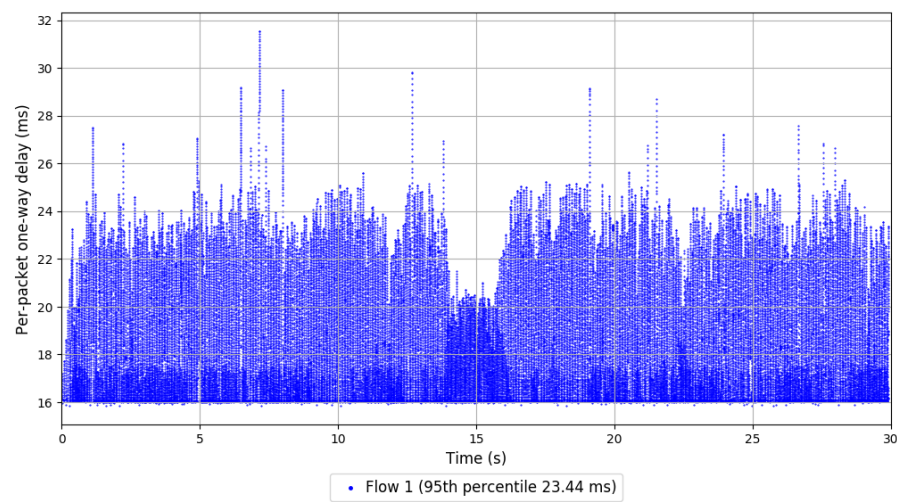
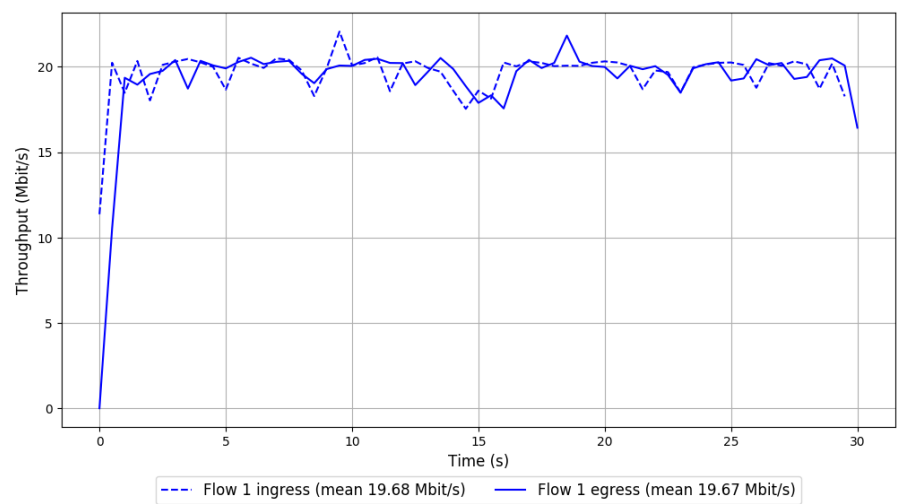
-- Flow 1:

Average throughput: 19.67 Mbit/s

95th percentile per-packet one-way delay: 23.439 ms

Loss rate: 0.17%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-22 12:46:39

End at: 2018-05-22 12:47:09

Local clock offset: 1.119 ms

Remote clock offset: 4.787 ms

Below is generated by plot.py at 2018-05-22 13:09:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.42 Mbit/s

95th percentile per-packet one-way delay: 22.104 ms

Loss rate: 0.00%

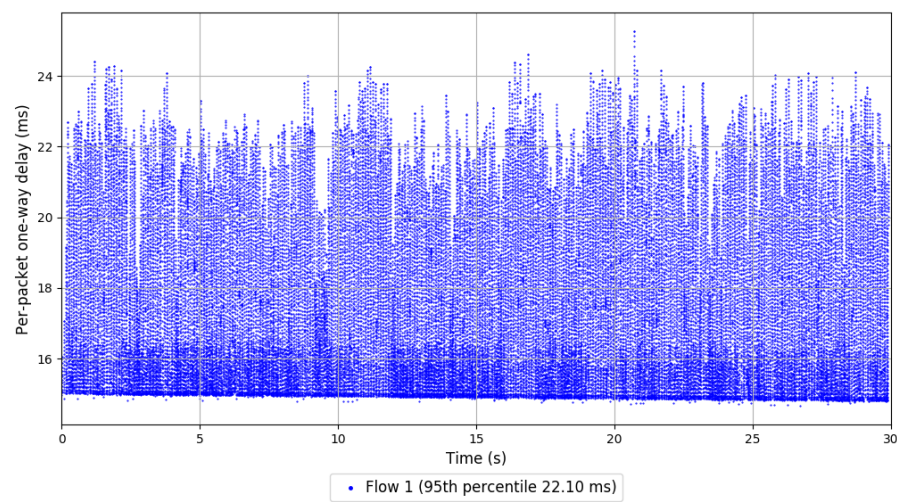
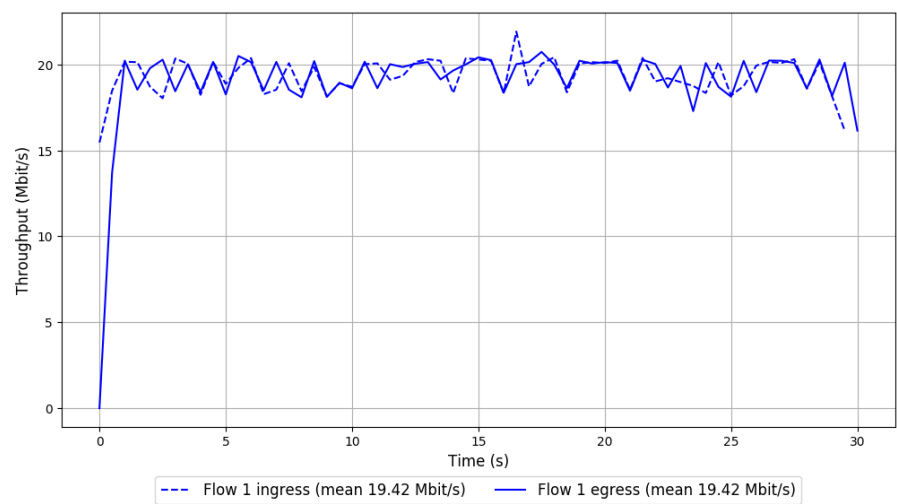
-- Flow 1:

Average throughput: 19.42 Mbit/s

95th percentile per-packet one-way delay: 22.104 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-22 09:58:48

End at: 2018-05-22 09:59:18

Local clock offset: 0.912 ms

Remote clock offset: -2.798 ms

Below is generated by plot.py at 2018-05-22 13:11:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.59 Mbit/s

95th percentile per-packet one-way delay: 18.372 ms

Loss rate: 0.05%

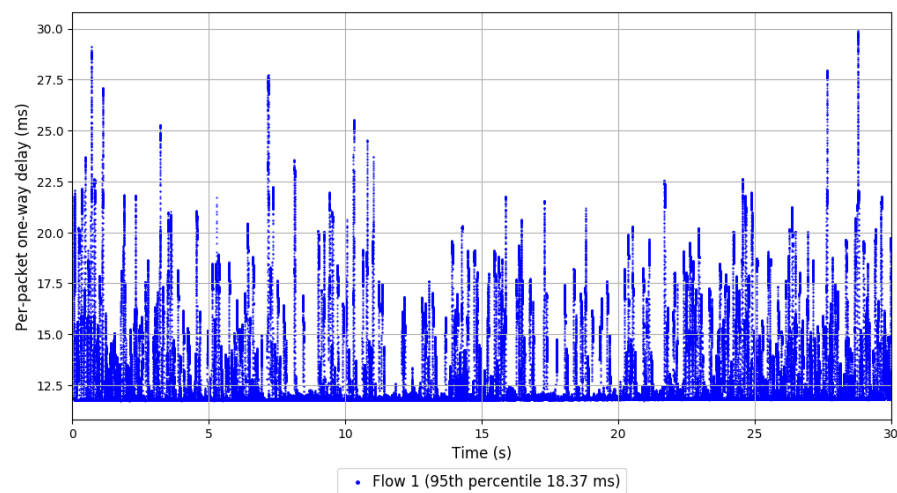
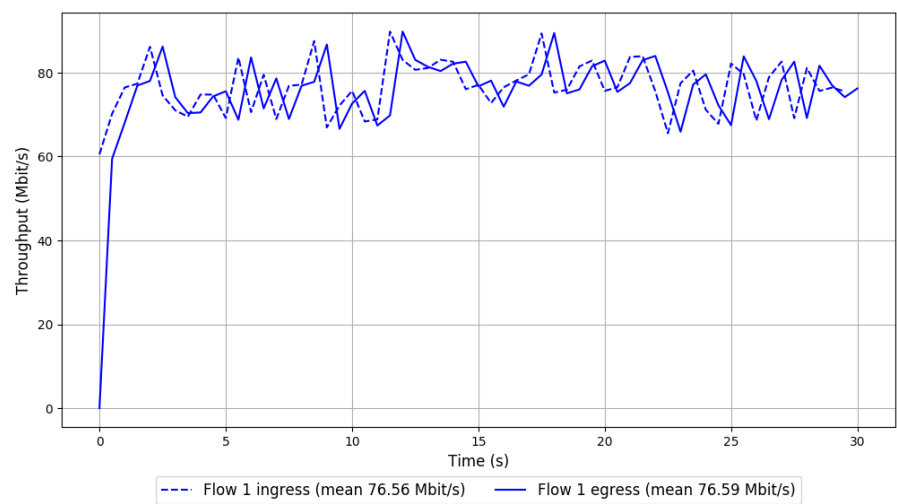
-- Flow 1:

Average throughput: 76.59 Mbit/s

95th percentile per-packet one-way delay: 18.372 ms

Loss rate: 0.05%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-22 10:17:19

End at: 2018-05-22 10:17:49

Local clock offset: 1.753 ms

Remote clock offset: -1.852 ms

Below is generated by plot.py at 2018-05-22 13:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.13 Mbit/s

95th percentile per-packet one-way delay: 18.884 ms

Loss rate: 0.12%

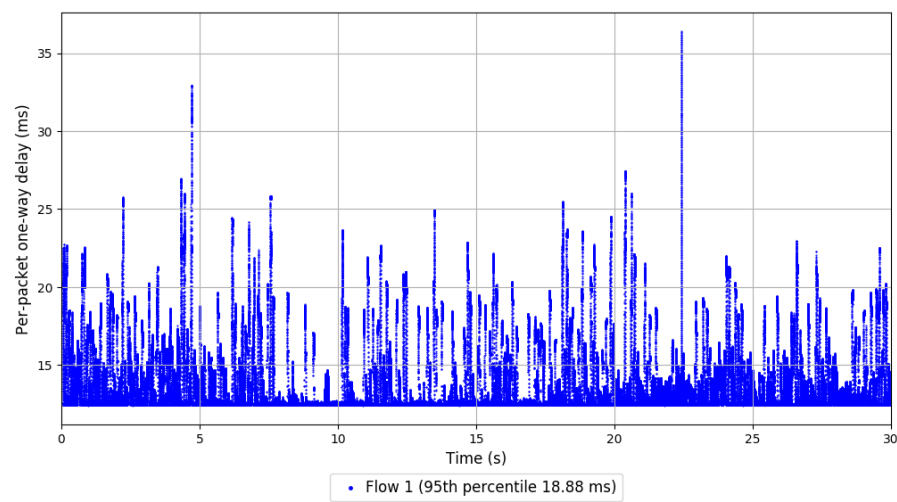
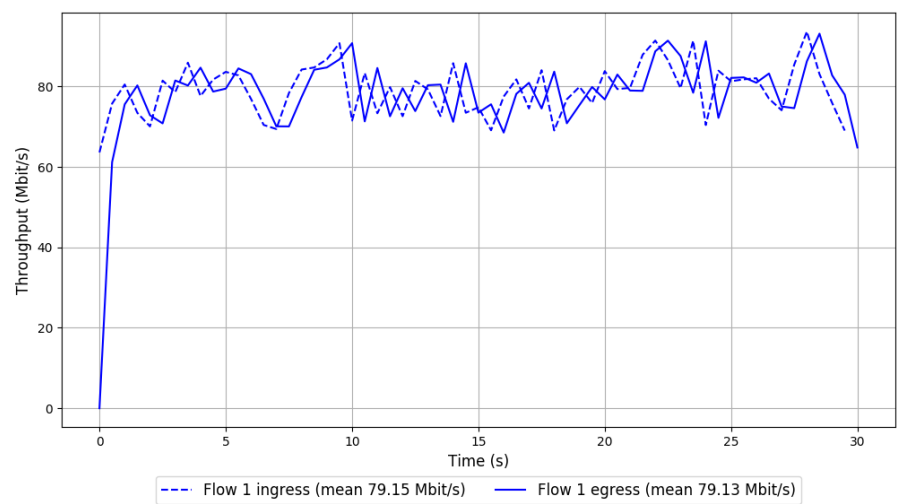
-- Flow 1:

Average throughput: 79.13 Mbit/s

95th percentile per-packet one-way delay: 18.884 ms

Loss rate: 0.12%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-22 10:35:59

End at: 2018-05-22 10:36:29

Local clock offset: 0.064 ms

Remote clock offset: 0.464 ms

Below is generated by plot.py at 2018-05-22 13:11:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.24 Mbit/s

95th percentile per-packet one-way delay: 19.448 ms

Loss rate: 0.11%

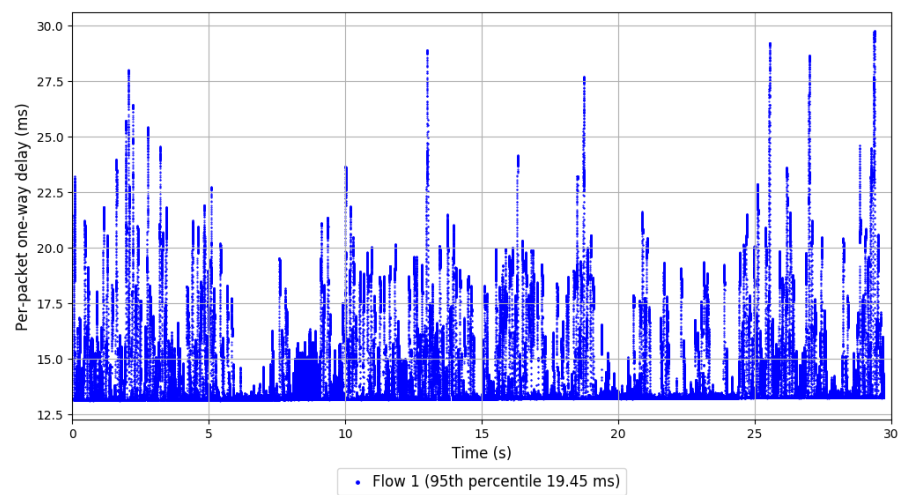
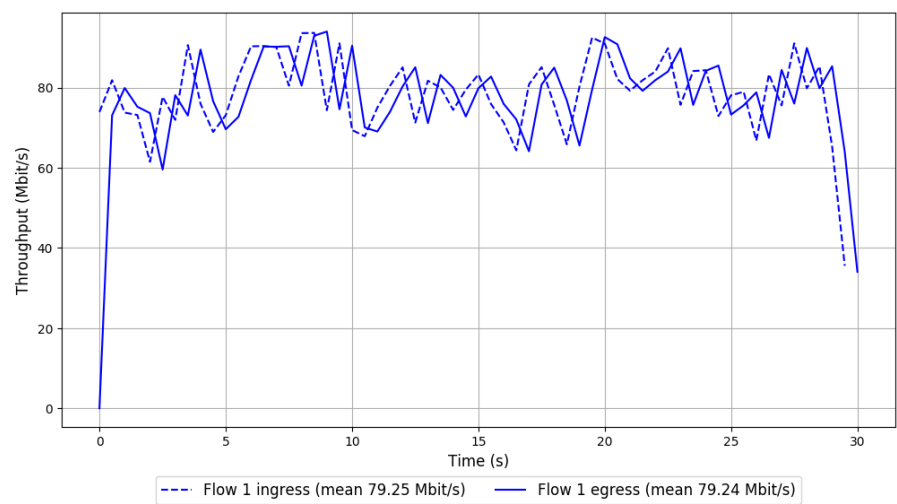
-- Flow 1:

Average throughput: 79.24 Mbit/s

95th percentile per-packet one-way delay: 19.448 ms

Loss rate: 0.11%

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



Run 4: Statistics of TaoVA-100x

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

End at: 2018-05-22 10:55:13

Local clock offset: -1.086 ms

Remote clock offset: 2.712 ms

Below is generated by plot.py at 2018-05-22 13:11:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.79 Mbit/s

95th percentile per-packet one-way delay: 18.529 ms

Loss rate: 0.10%

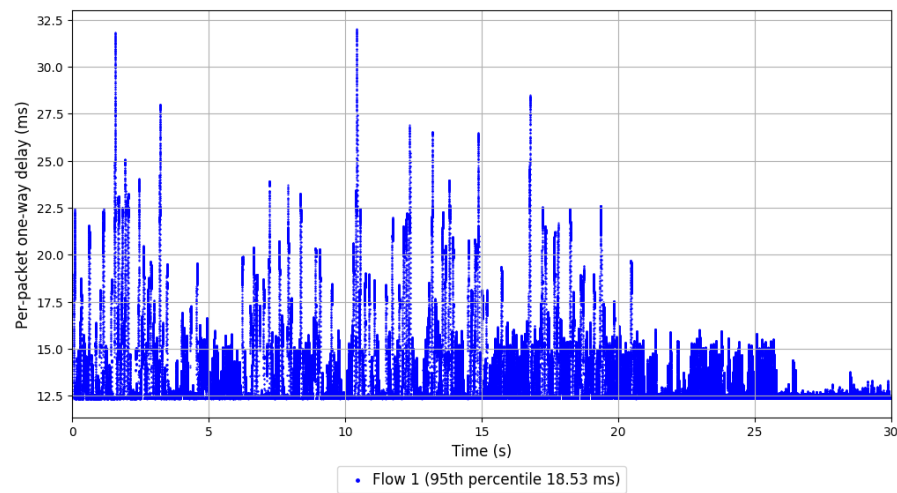
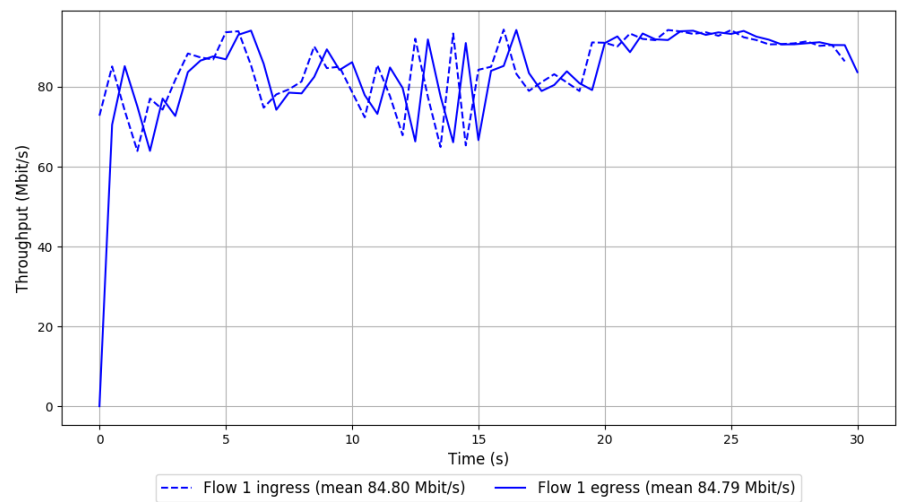
-- Flow 1:

Average throughput: 84.79 Mbit/s

95th percentile per-packet one-way delay: 18.529 ms

Loss rate: 0.10%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-22 11:13:14

End at: 2018-05-22 11:13:44

Local clock offset: 1.431 ms

Remote clock offset: -0.956 ms

Below is generated by plot.py at 2018-05-22 13:11:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.73 Mbit/s

95th percentile per-packet one-way delay: 13.747 ms

Loss rate: 0.11%

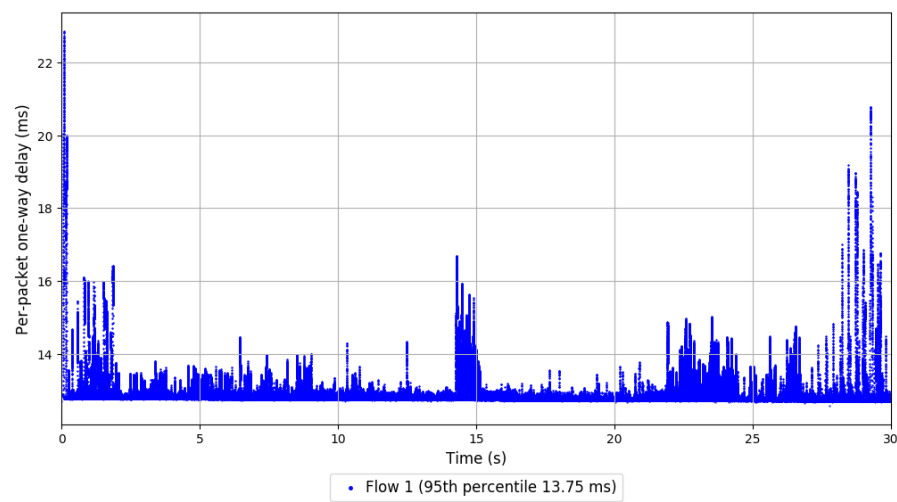
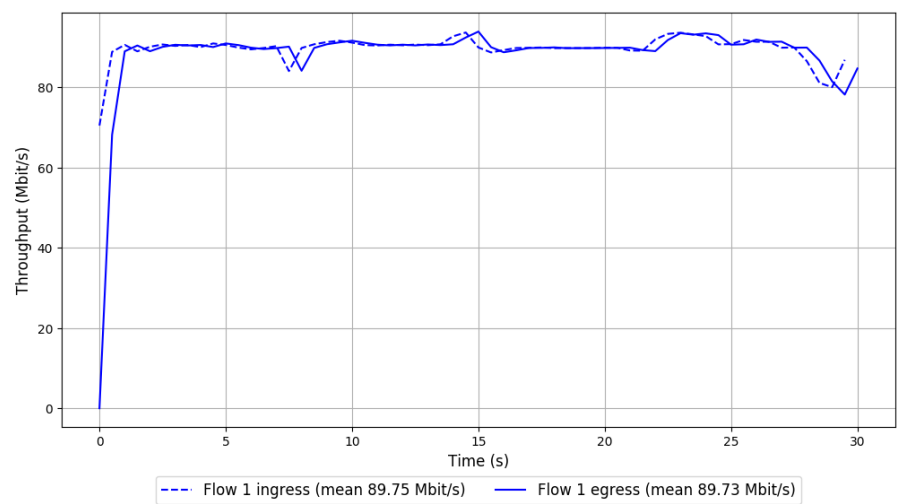
-- Flow 1:

Average throughput: 89.73 Mbit/s

95th percentile per-packet one-way delay: 13.747 ms

Loss rate: 0.11%

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

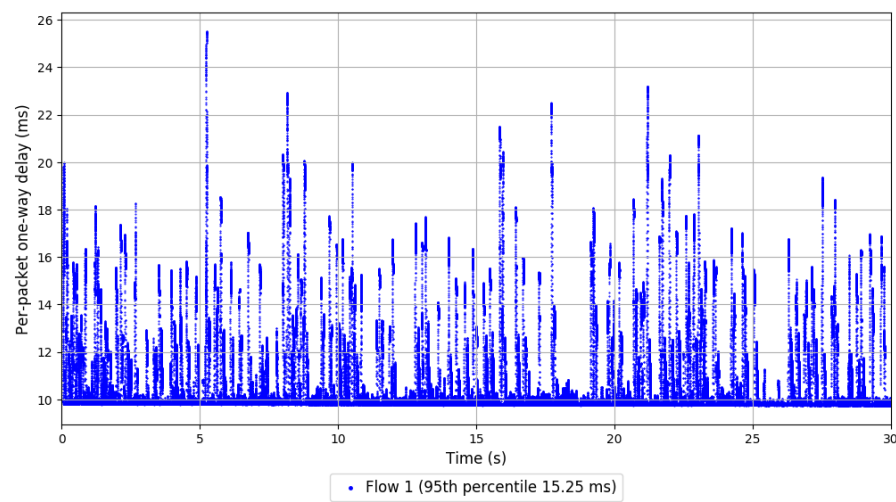
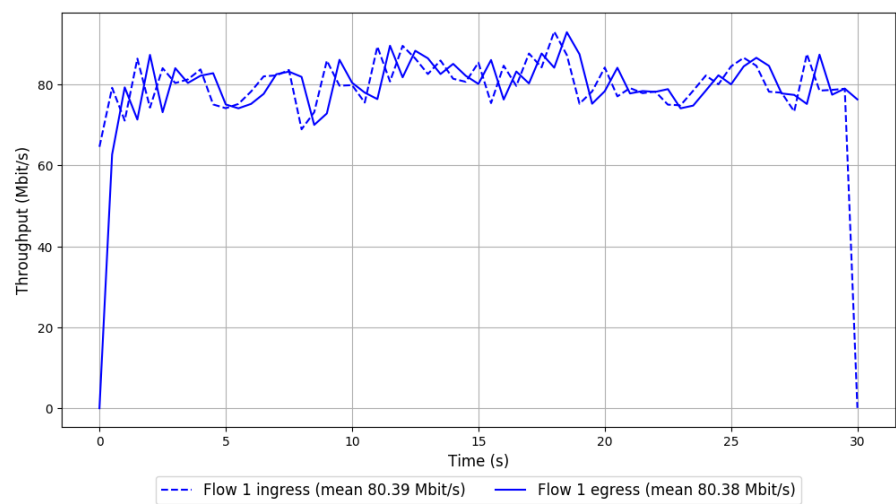


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-22 11:31:57
End at: 2018-05-22 11:32:27
Local clock offset: -0.264 ms
Remote clock offset: -1.604 ms

Below is generated by plot.py at 2018-05-22 13:11:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.38 Mbit/s
95th percentile per-packet one-way delay: 15.254 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 80.38 Mbit/s
95th percentile per-packet one-way delay: 15.254 ms
Loss rate: 0.09%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-22 11:50:12

End at: 2018-05-22 11:50:42

Local clock offset: 0.934 ms

Remote clock offset: 0.297 ms

Below is generated by plot.py at 2018-05-22 13:11:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 17.859 ms

Loss rate: 0.05%

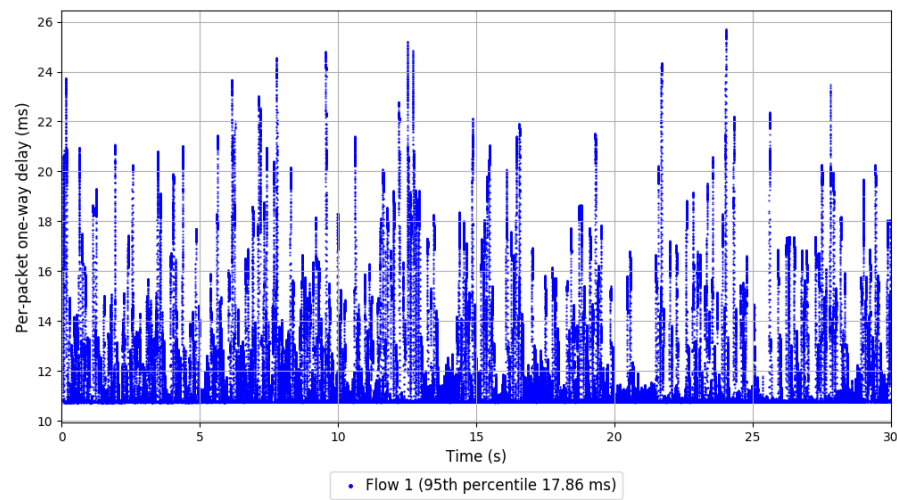
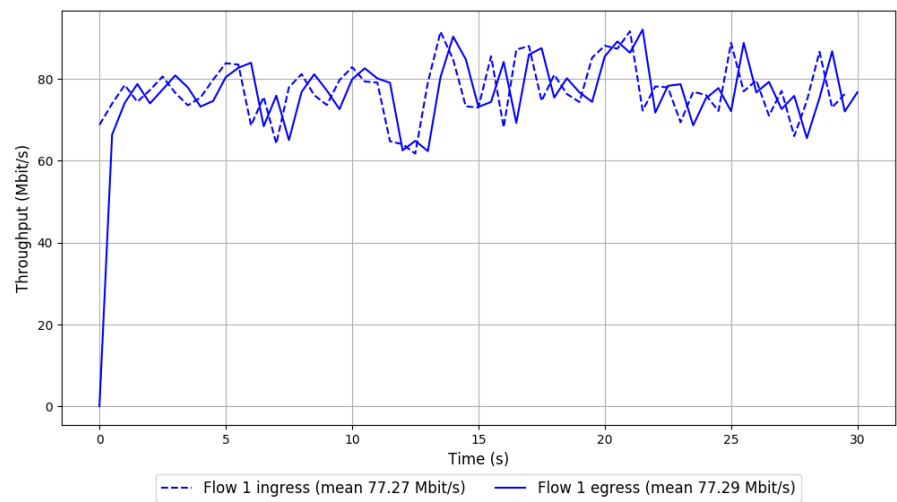
-- Flow 1:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 17.859 ms

Loss rate: 0.05%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-22 12:08:28

End at: 2018-05-22 12:08:58

Local clock offset: 2.605 ms

Remote clock offset: 1.93 ms

Below is generated by plot.py at 2018-05-22 13:11:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.89 Mbit/s

95th percentile per-packet one-way delay: 22.380 ms

Loss rate: 0.12%

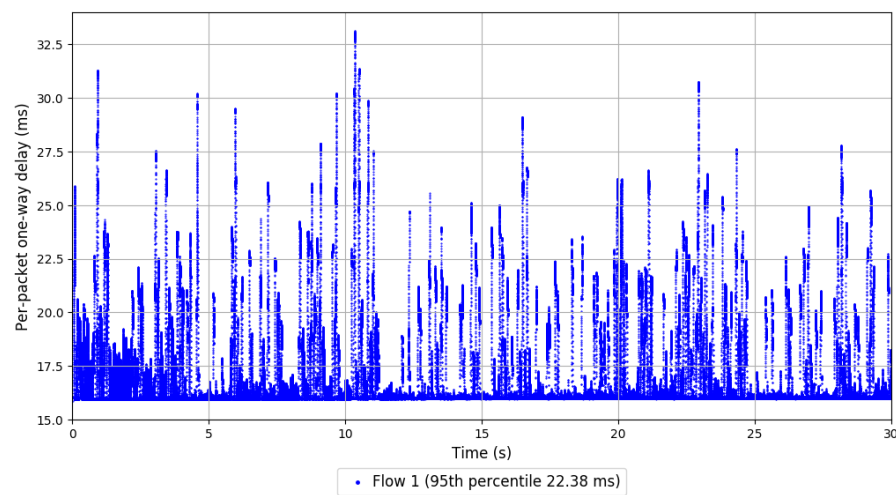
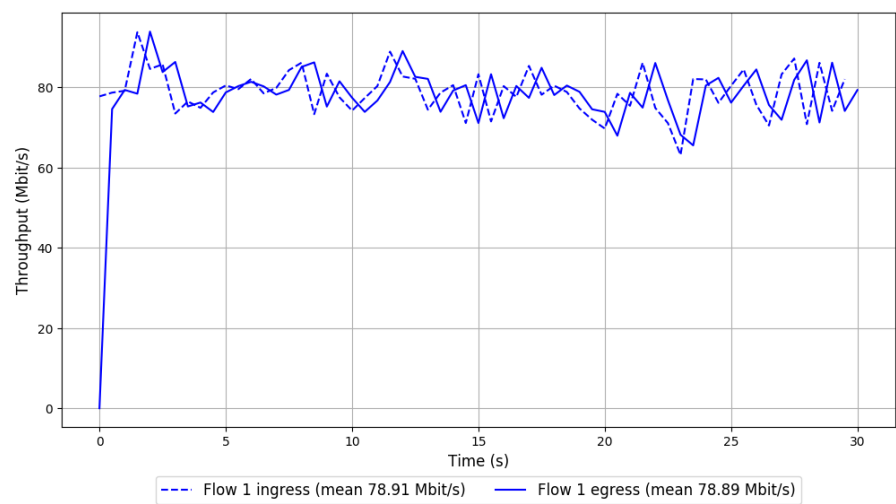
-- Flow 1:

Average throughput: 78.89 Mbit/s

95th percentile per-packet one-way delay: 22.380 ms

Loss rate: 0.12%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-22 12:27:01

End at: 2018-05-22 12:27:31

Local clock offset: 1.885 ms

Remote clock offset: 4.486 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.15 Mbit/s

95th percentile per-packet one-way delay: 22.661 ms

Loss rate: 0.10%

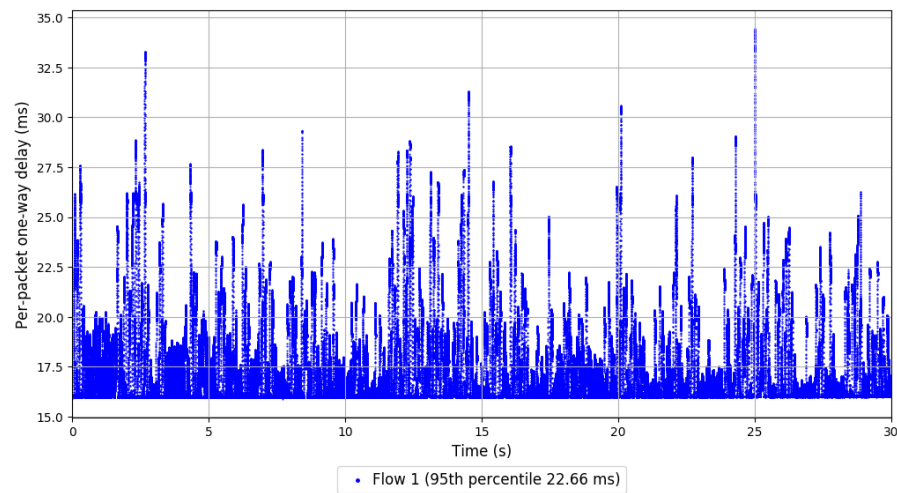
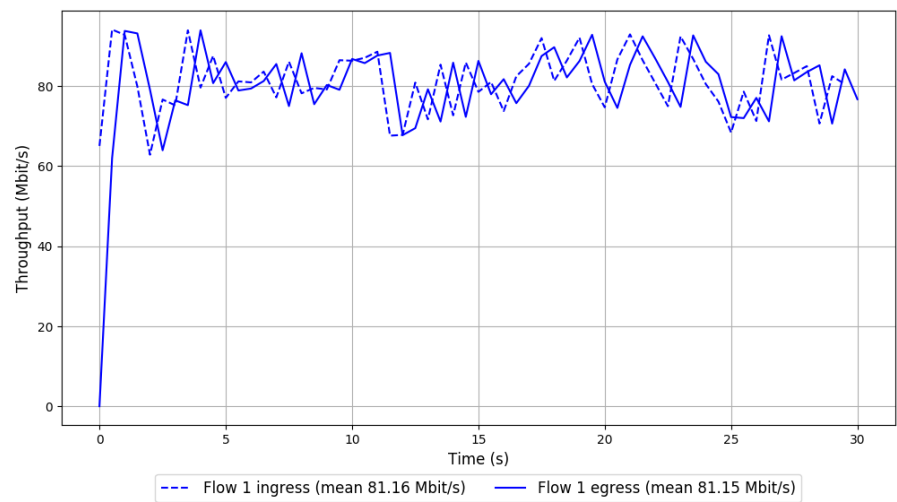
-- Flow 1:

Average throughput: 81.15 Mbit/s

95th percentile per-packet one-way delay: 22.661 ms

Loss rate: 0.10%

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



Run 10: Statistics of TaoVA-100x

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

End at: 2018-05-22 12:45:52

Local clock offset: 2.772 ms

Remote clock offset: 3.752 ms

Below is generated by plot.py at 2018-05-22 13:13:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 19.836 ms

Loss rate: 0.09%

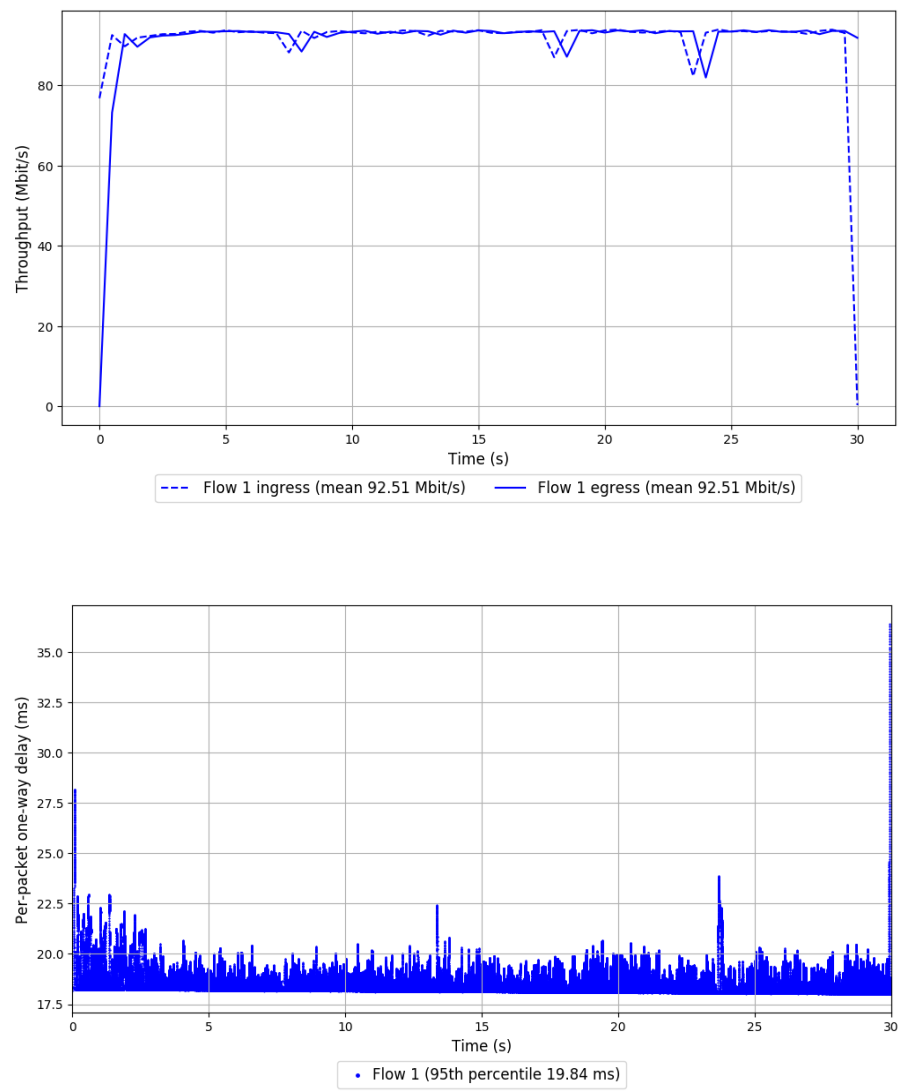
-- Flow 1:

Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 19.836 ms

Loss rate: 0.09%

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

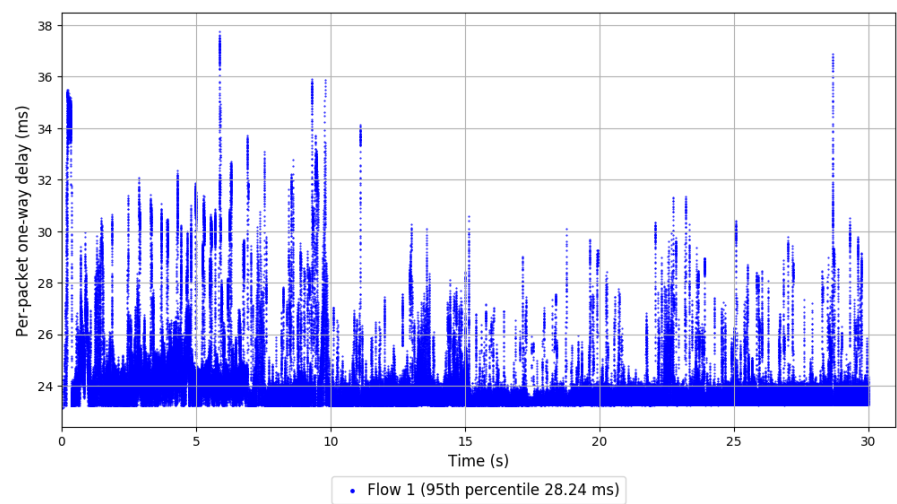
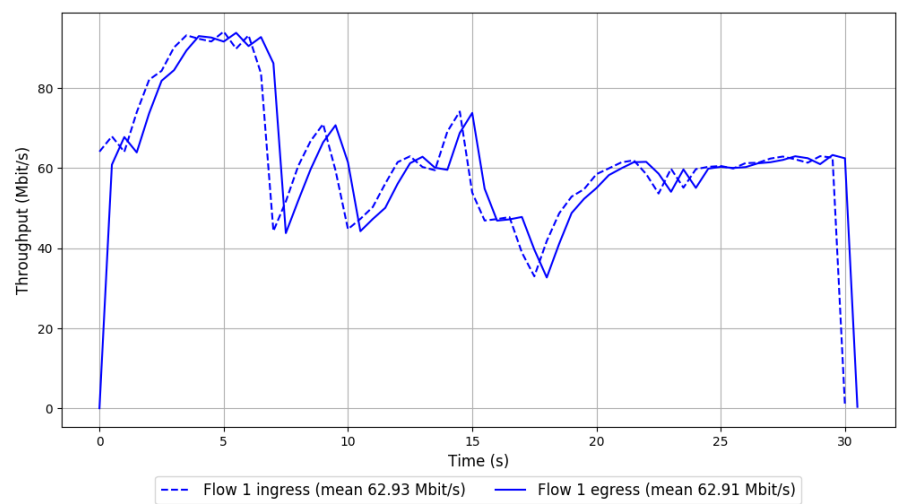


Run 1: Statistics of TCP Vegas

Start at: 2018-05-22 10:04:36
End at: 2018-05-22 10:05:06
Local clock offset: 2.629 ms
Remote clock offset: -12.019 ms

Below is generated by plot.py at 2018-05-22 13:13:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 28.236 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 28.236 ms
Loss rate: 0.11%

Run 1: Report of TCP Vegas — Data Link

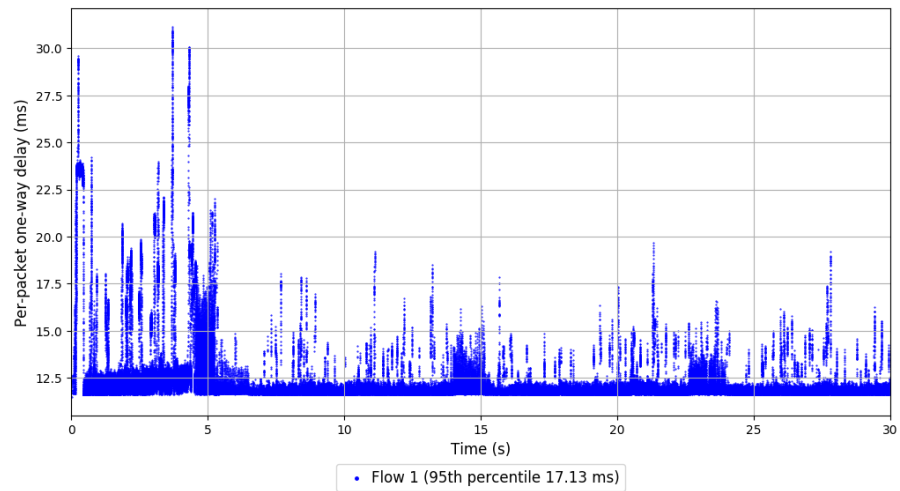
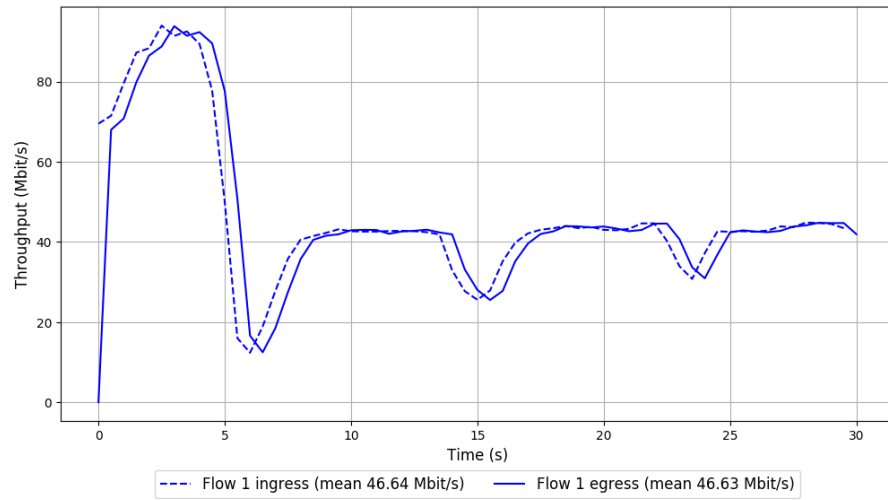


Run 2: Statistics of TCP Vegas

Start at: 2018-05-22 10:23:07
End at: 2018-05-22 10:23:37
Local clock offset: 1.267 ms
Remote clock offset: -1.514 ms

Below is generated by plot.py at 2018-05-22 13:13:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.63 Mbit/s
95th percentile per-packet one-way delay: 17.132 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 46.63 Mbit/s
95th percentile per-packet one-way delay: 17.132 ms
Loss rate: 0.12%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-22 10:41:50

End at: 2018-05-22 10:42:20

Local clock offset: -0.096 ms

Remote clock offset: 1.58 ms

Below is generated by plot.py at 2018-05-22 13:13:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.63 Mbit/s

95th percentile per-packet one-way delay: 20.349 ms

Loss rate: 0.10%

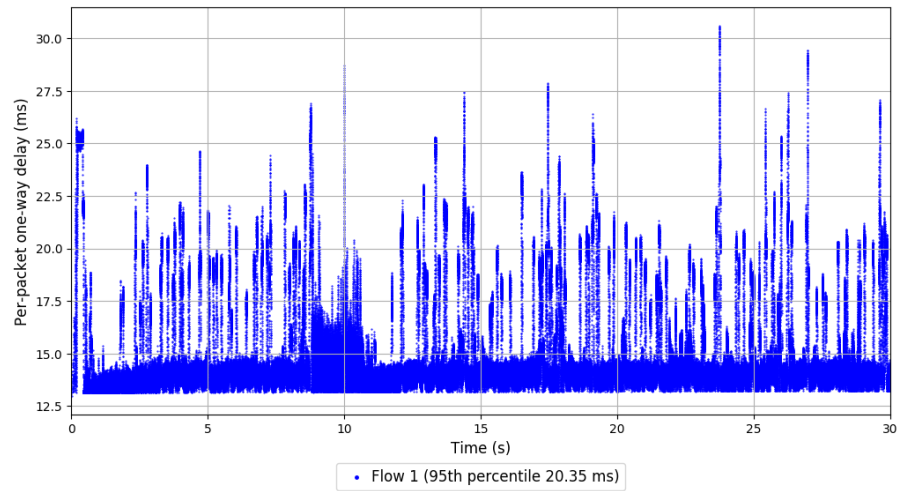
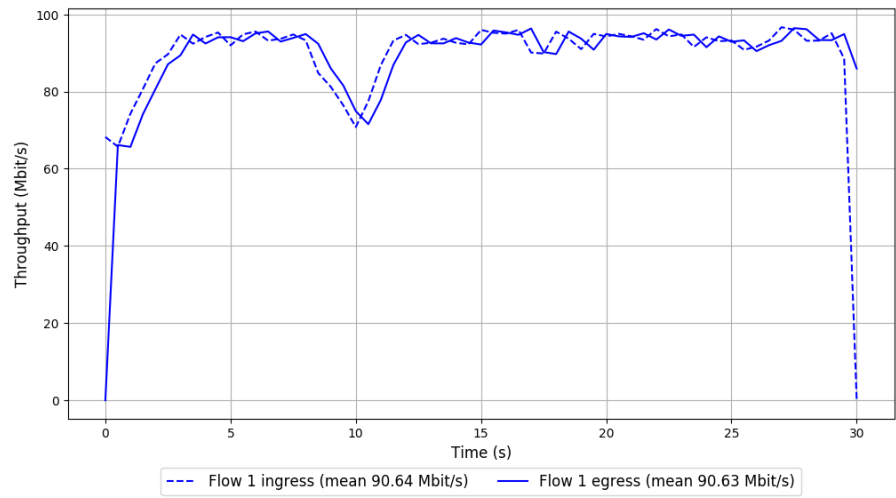
-- Flow 1:

Average throughput: 90.63 Mbit/s

95th percentile per-packet one-way delay: 20.349 ms

Loss rate: 0.10%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-05-22 11:00:36

End at: 2018-05-22 11:01:06

Local clock offset: -1.069 ms

Remote clock offset: 0.762 ms

Below is generated by plot.py at 2018-05-22 13:13:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.99 Mbit/s

95th percentile per-packet one-way delay: 16.585 ms

Loss rate: 0.10%

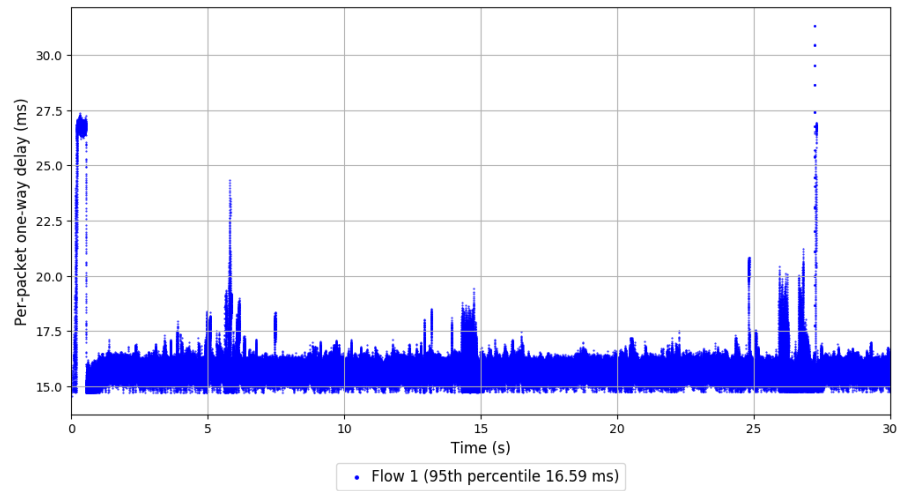
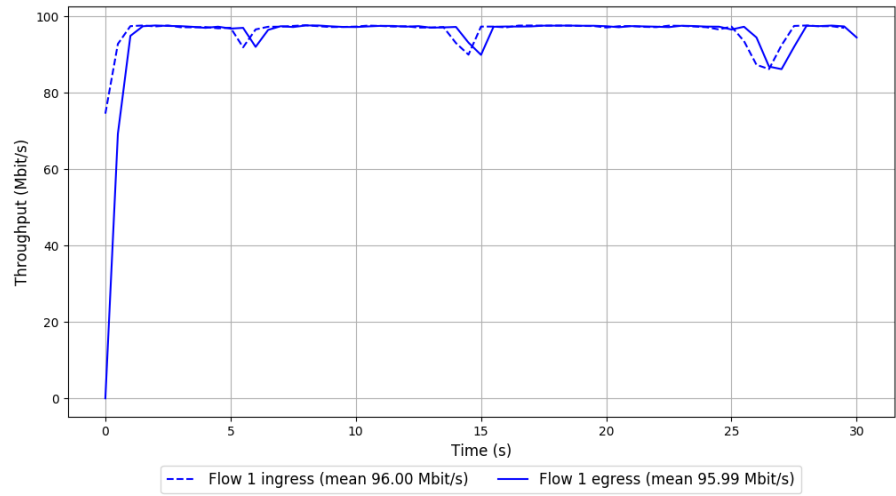
-- Flow 1:

Average throughput: 95.99 Mbit/s

95th percentile per-packet one-way delay: 16.585 ms

Loss rate: 0.10%

Run 4: Report of TCP Vegas — Data Link

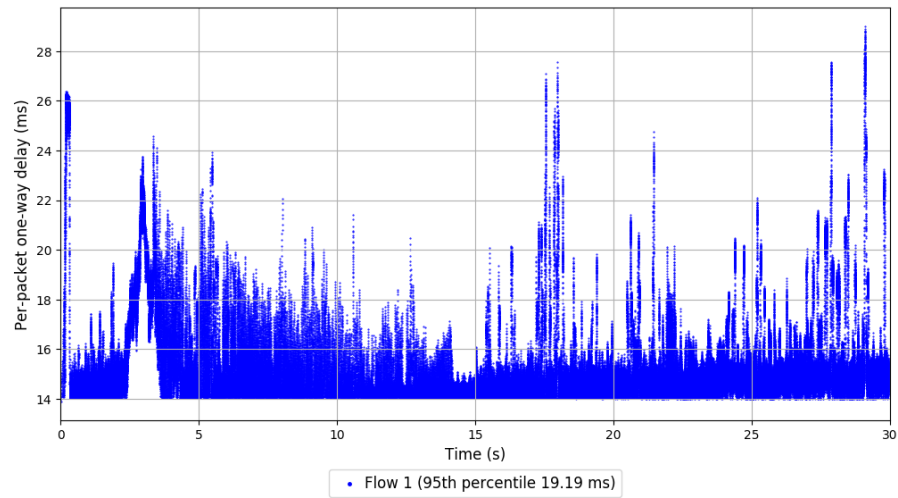
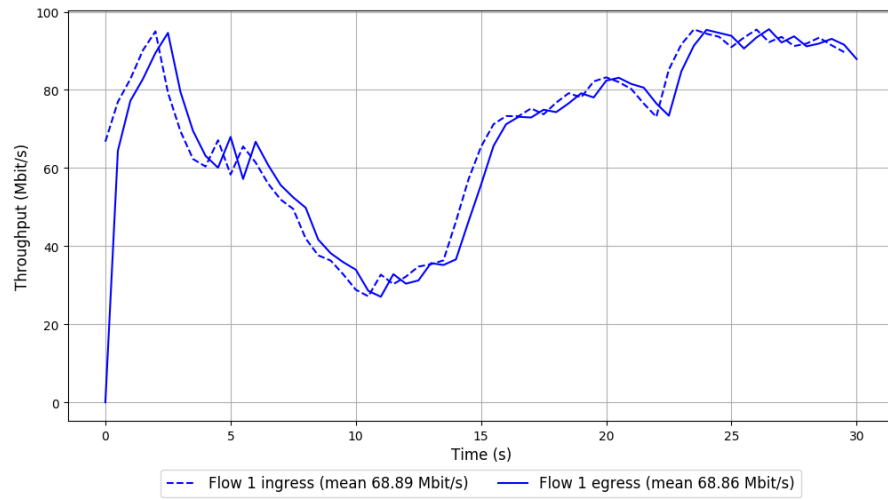


Run 5: Statistics of TCP Vegas

Start at: 2018-05-22 11:19:06
End at: 2018-05-22 11:19:36
Local clock offset: 1.63 ms
Remote clock offset: -2.631 ms

Below is generated by plot.py at 2018-05-22 13:13:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.86 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 68.86 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 0.12%

Run 5: Report of TCP Vegas — Data Link

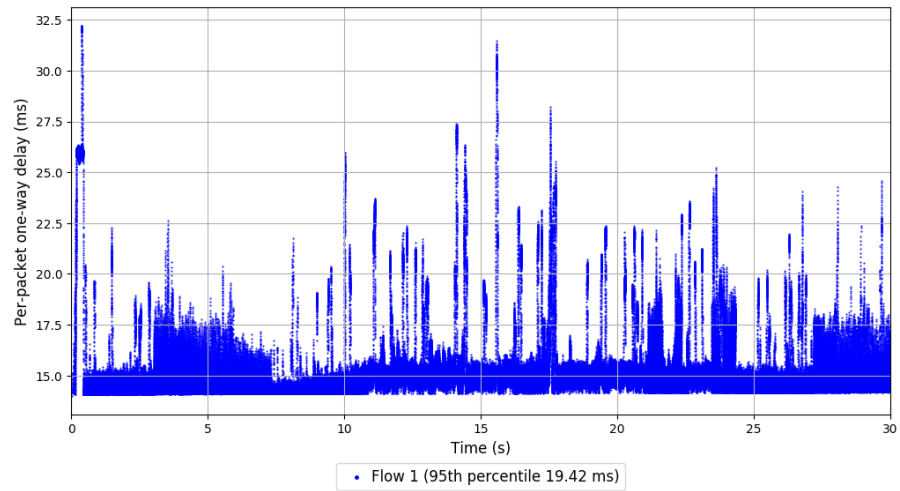
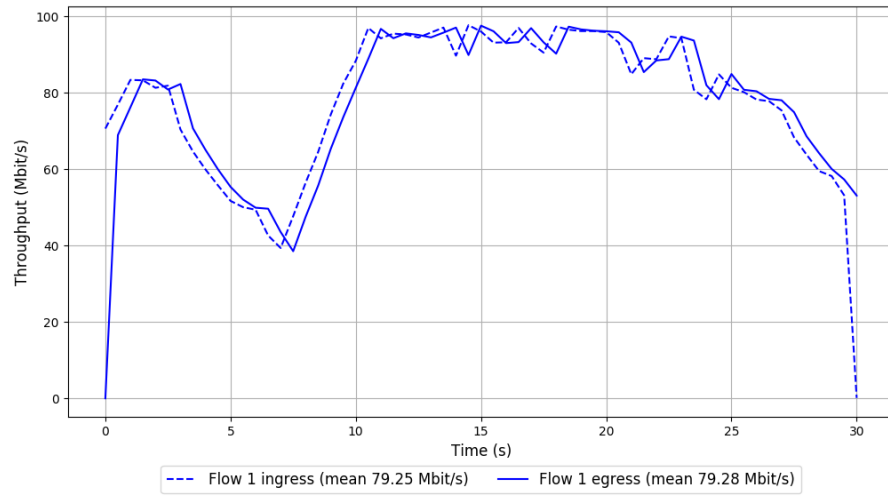


Run 6: Statistics of TCP Vegas

Start at: 2018-05-22 11:37:47
End at: 2018-05-22 11:38:17
Local clock offset: 2.03 ms
Remote clock offset: -3.547 ms

Below is generated by plot.py at 2018-05-22 13:13:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 19.423 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 19.423 ms
Loss rate: 0.05%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-05-22 11:55:57

End at: 2018-05-22 11:56:27

Local clock offset: 0.568 ms

Remote clock offset: 0.356 ms

Below is generated by plot.py at 2018-05-22 13:13:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.85 Mbit/s

95th percentile per-packet one-way delay: 19.595 ms

Loss rate: 0.11%

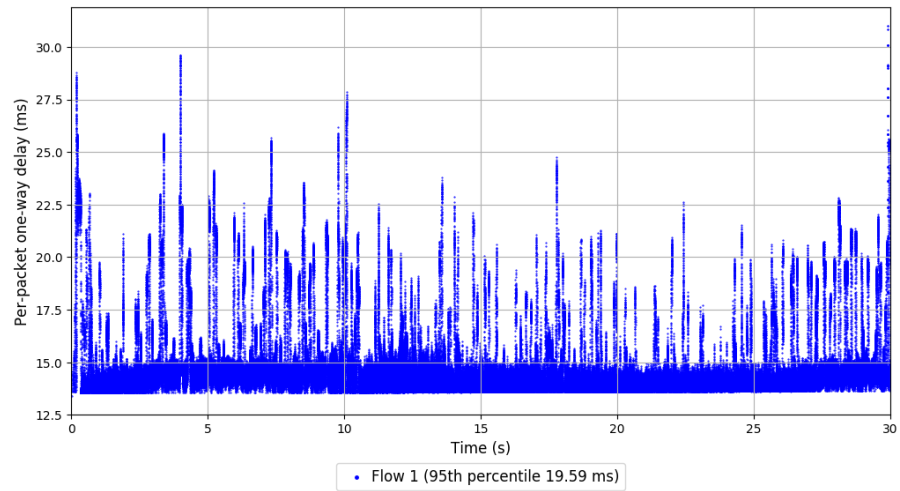
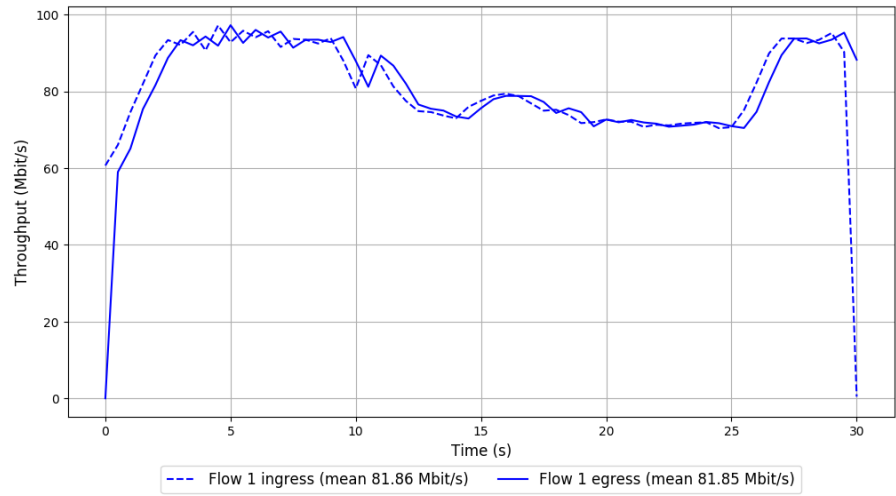
-- Flow 1:

Average throughput: 81.85 Mbit/s

95th percentile per-packet one-way delay: 19.595 ms

Loss rate: 0.11%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-22 12:14:26

End at: 2018-05-22 12:14:56

Local clock offset: -0.012 ms

Remote clock offset: 1.425 ms

Below is generated by plot.py at 2018-05-22 13:13:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.26 Mbit/s

95th percentile per-packet one-way delay: 20.316 ms

Loss rate: 0.12%

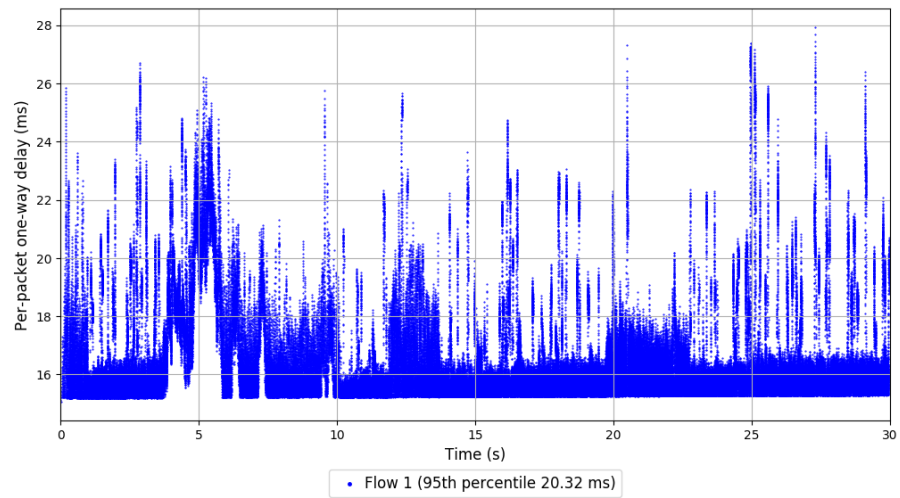
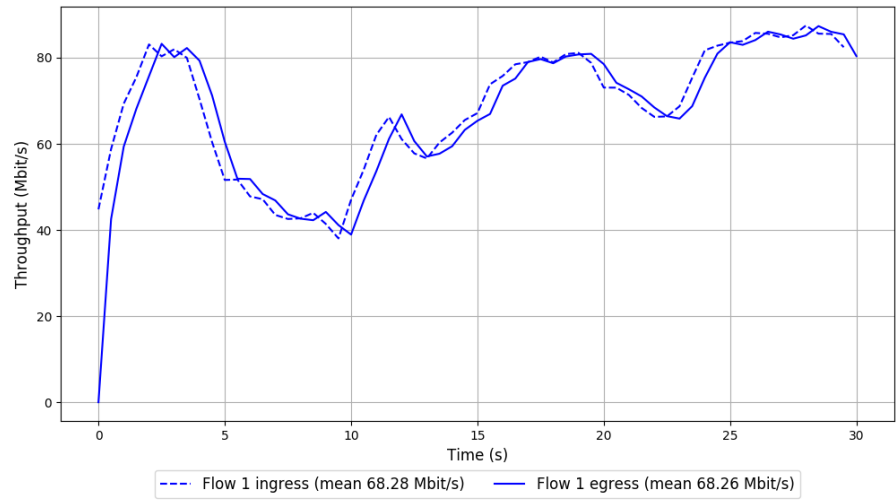
-- Flow 1:

Average throughput: 68.26 Mbit/s

95th percentile per-packet one-way delay: 20.316 ms

Loss rate: 0.12%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-22 12:32:47

End at: 2018-05-22 12:33:17

Local clock offset: -0.9 ms

Remote clock offset: 5.335 ms

Below is generated by plot.py at 2018-05-22 13:13:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.83 Mbit/s

95th percentile per-packet one-way delay: 19.170 ms

Loss rate: 0.09%

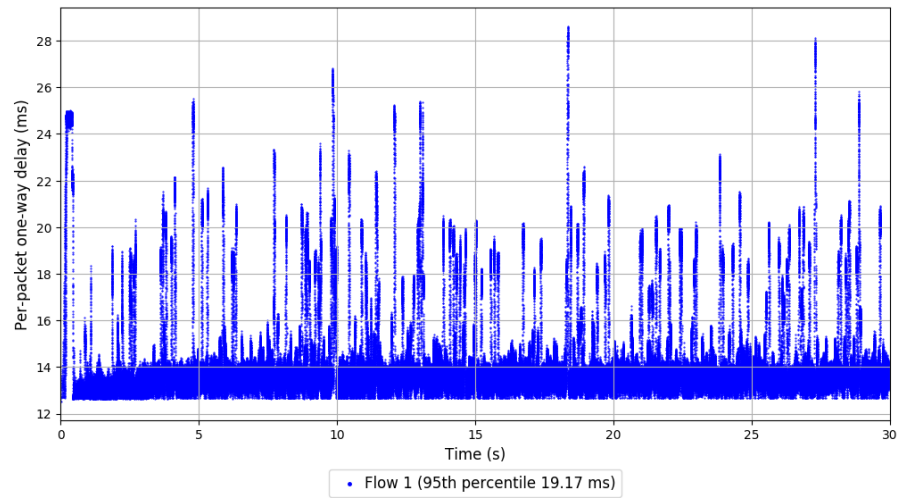
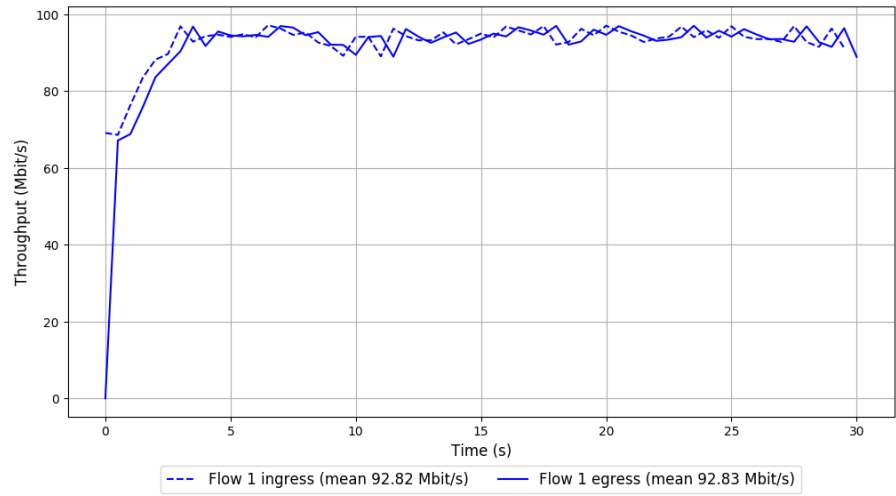
-- Flow 1:

Average throughput: 92.83 Mbit/s

95th percentile per-packet one-way delay: 19.170 ms

Loss rate: 0.09%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

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

End at: 2018-05-22 12:51:52

Local clock offset: 1.667 ms

Remote clock offset: 2.238 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 18.279 ms

Loss rate: 0.09%

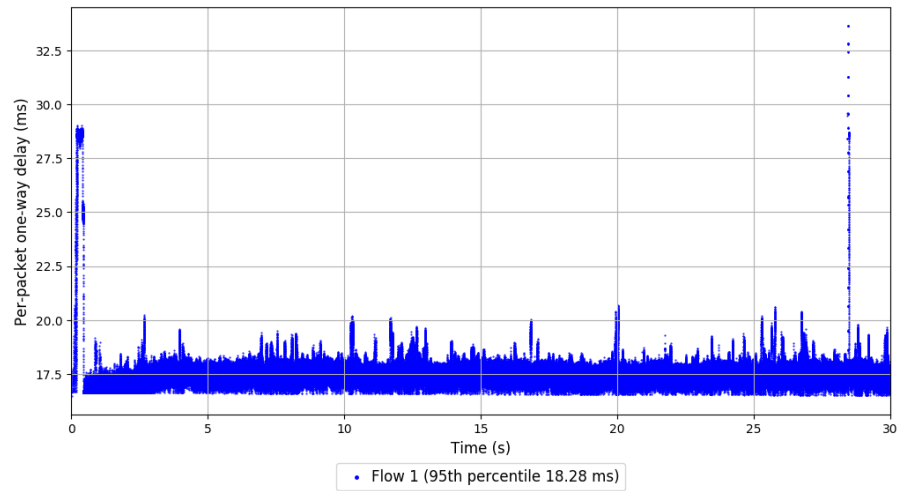
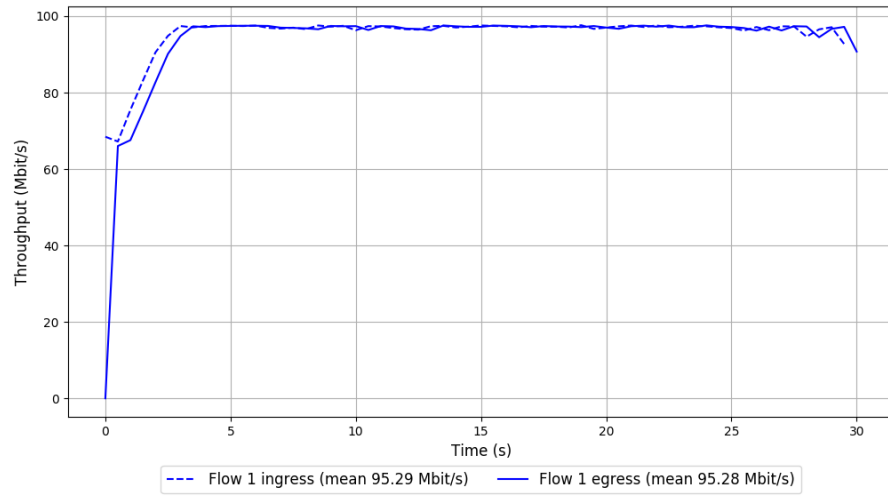
-- Flow 1:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 18.279 ms

Loss rate: 0.09%

Run 10: Report of TCP Vegas — Data Link

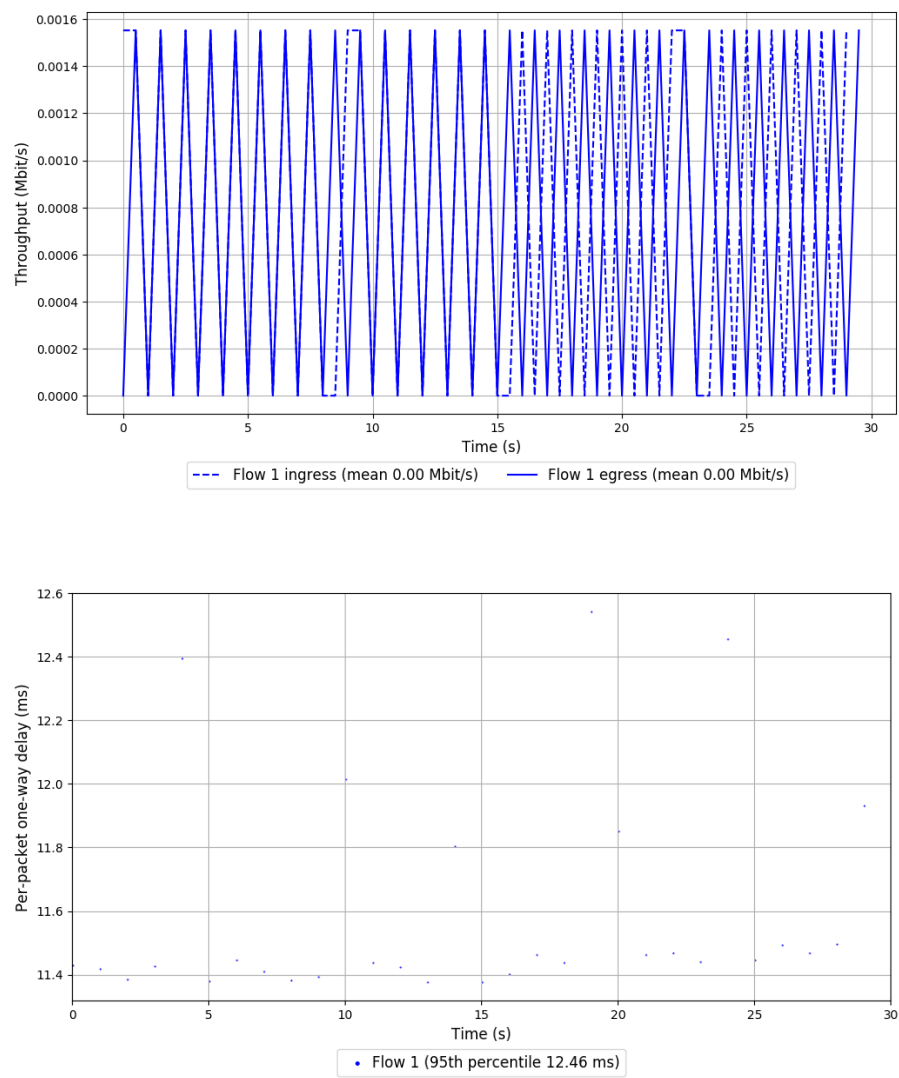


Run 1: Statistics of Verus

Start at: 2018-05-22 10:09:10
End at: 2018-05-22 10:09:41
Local clock offset: 0.887 ms
Remote clock offset: -1.858 ms

Below is generated by plot.py at 2018-05-22 13:13:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 12.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 12.456 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

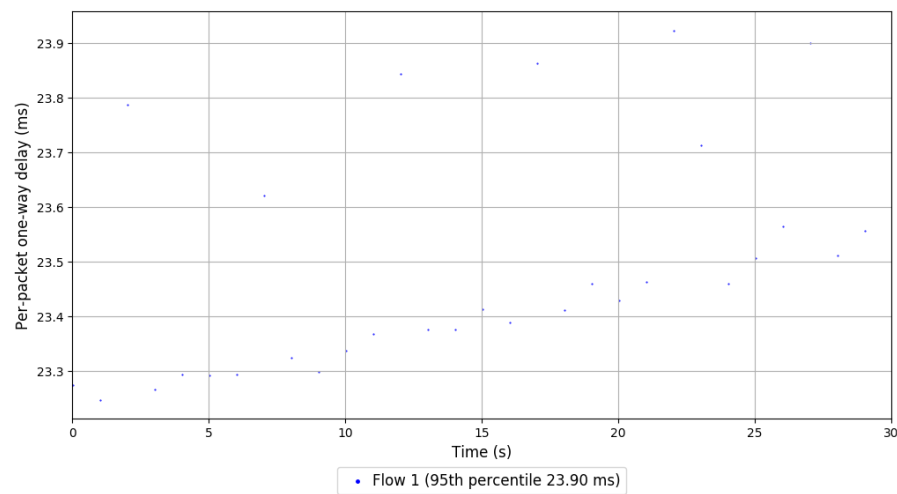
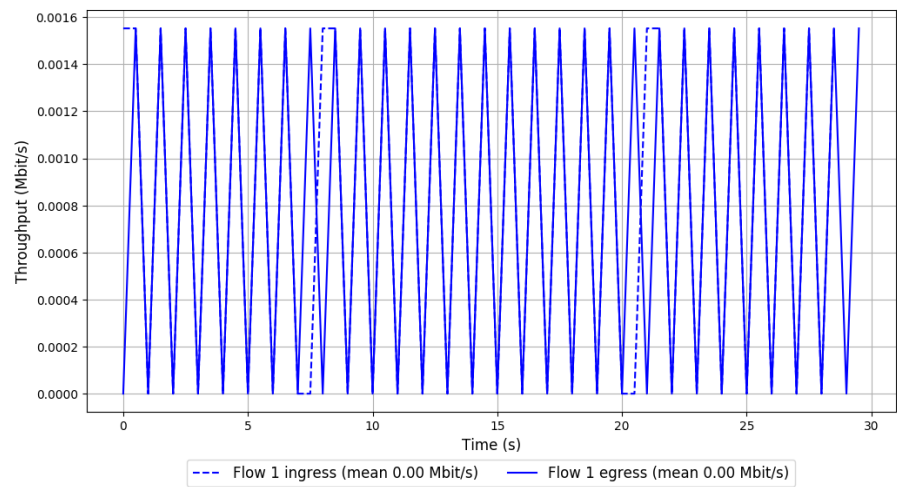


Run 2: Statistics of Verus

Start at: 2018-05-22 10:27:40
End at: 2018-05-22 10:28:10
Local clock offset: 2.667 ms
Remote clock offset: -10.629 ms

Below is generated by plot.py at 2018-05-22 13:13:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 23.901 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 23.901 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link

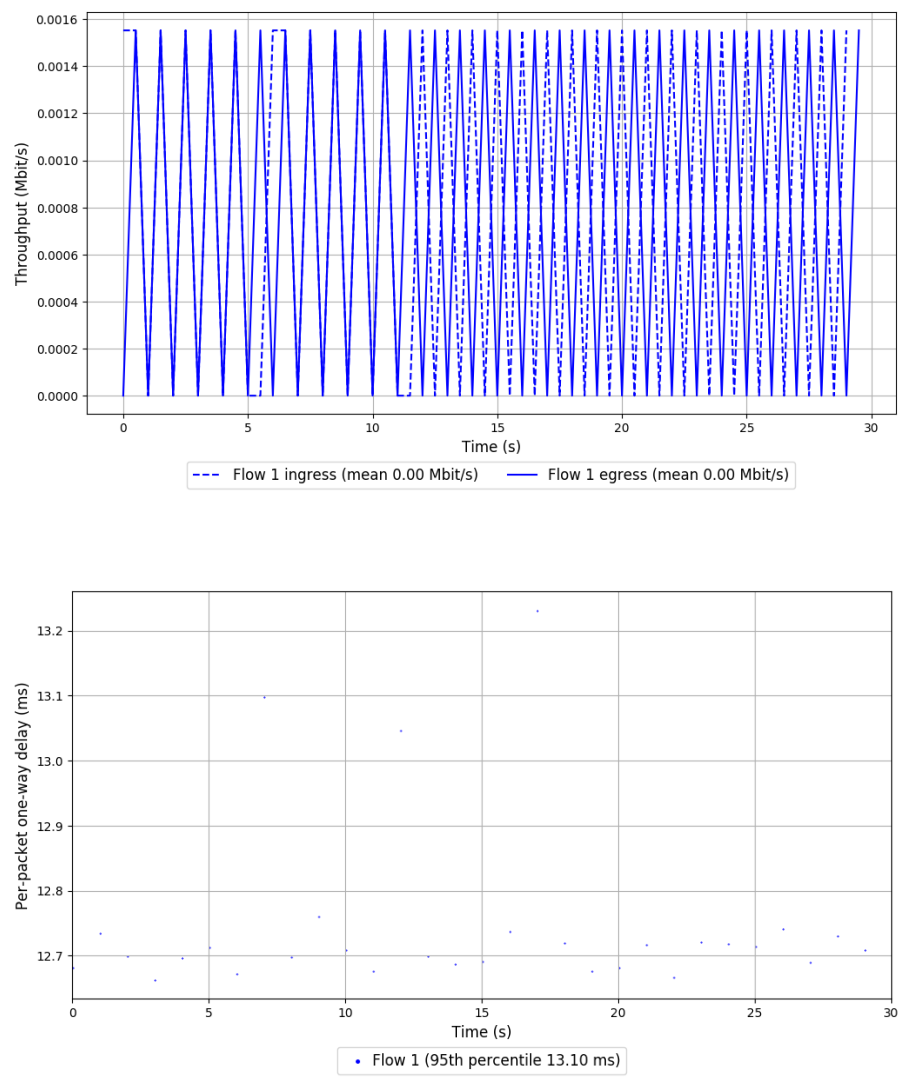


Run 3: Statistics of Verus

Start at: 2018-05-22 10:46:26
End at: 2018-05-22 10:46:56
Local clock offset: -0.637 ms
Remote clock offset: 2.017 ms

Below is generated by plot.py at 2018-05-22 13:13:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 13.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 13.098 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

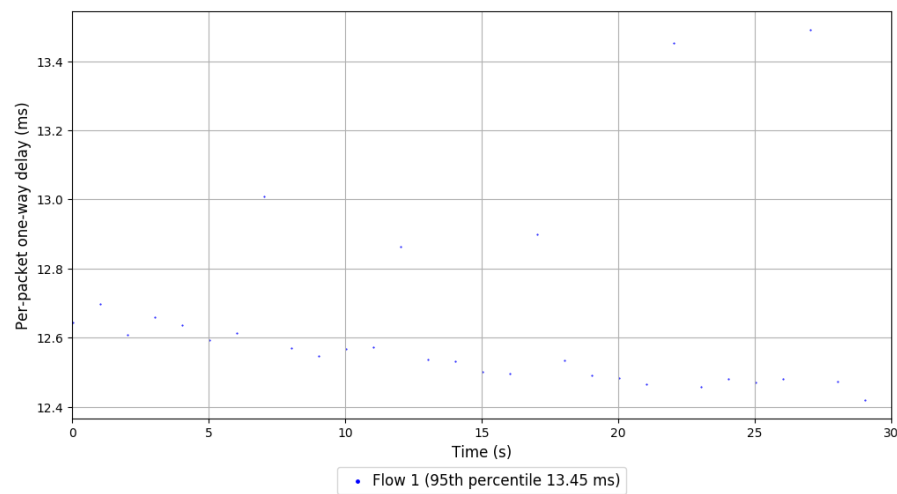
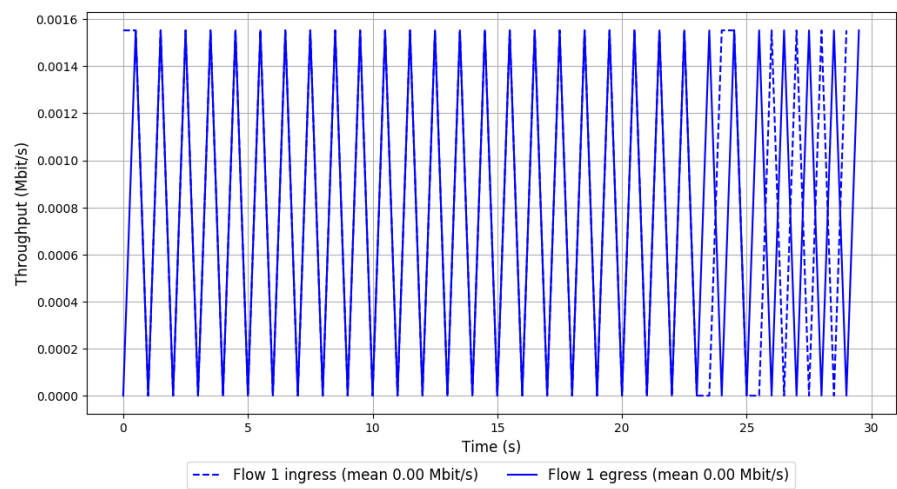


Run 4: Statistics of Verus

Start at: 2018-05-22 11:05:10
End at: 2018-05-22 11:05:40
Local clock offset: -4.324 ms
Remote clock offset: -5.061 ms

Below is generated by plot.py at 2018-05-22 13:13:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 13.452 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 13.452 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-05-22 11:23:50

End at: 2018-05-22 11:24:20

Local clock offset: 1.145 ms

Remote clock offset: -1.85 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 13.017 ms

Loss rate: 0.00%

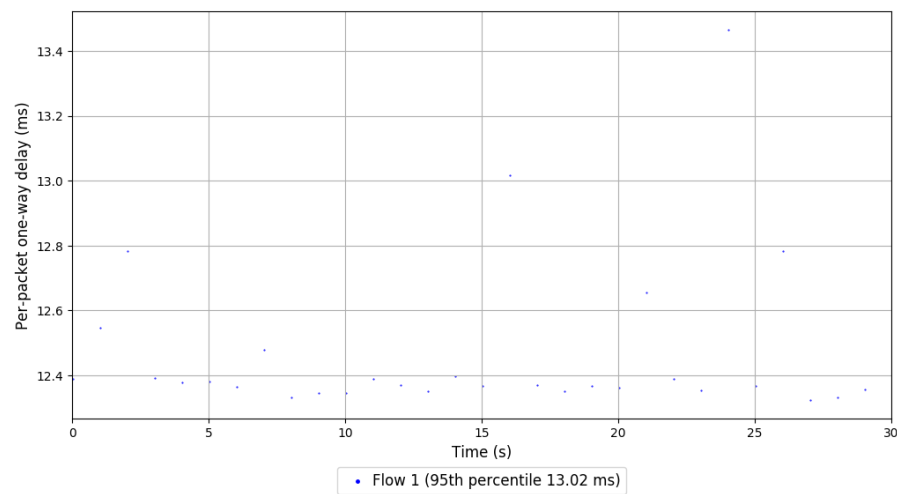
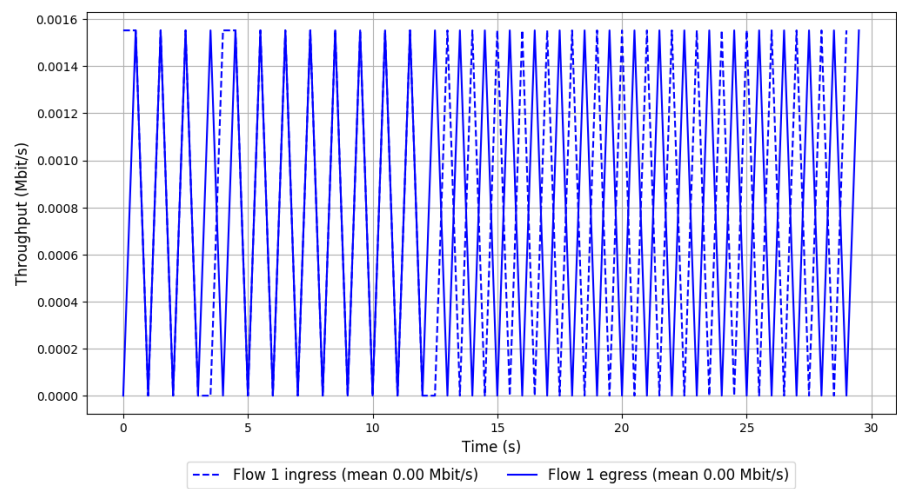
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 13.017 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link

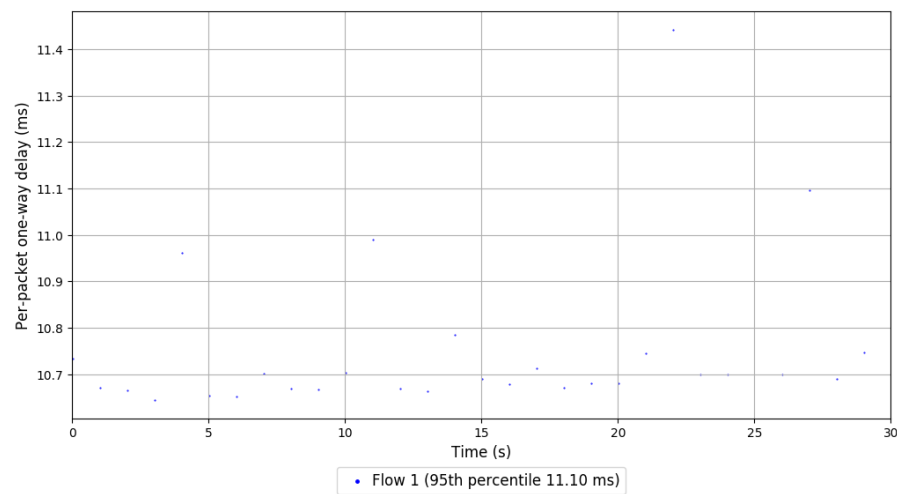
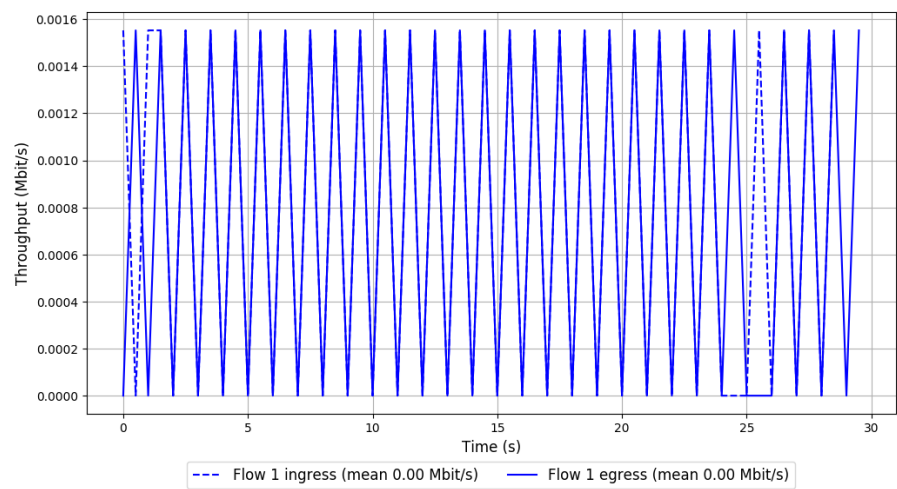


Run 6: Statistics of Verus

Start at: 2018-05-22 11:42:17
End at: 2018-05-22 11:42:48
Local clock offset: 0.399 ms
Remote clock offset: -1.129 ms

Below is generated by plot.py at 2018-05-22 13:13:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 11.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 11.096 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-05-22 12:00:31

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

Local clock offset: 0.528 ms

Remote clock offset: 0.896 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 14.356 ms

Loss rate: 0.00%

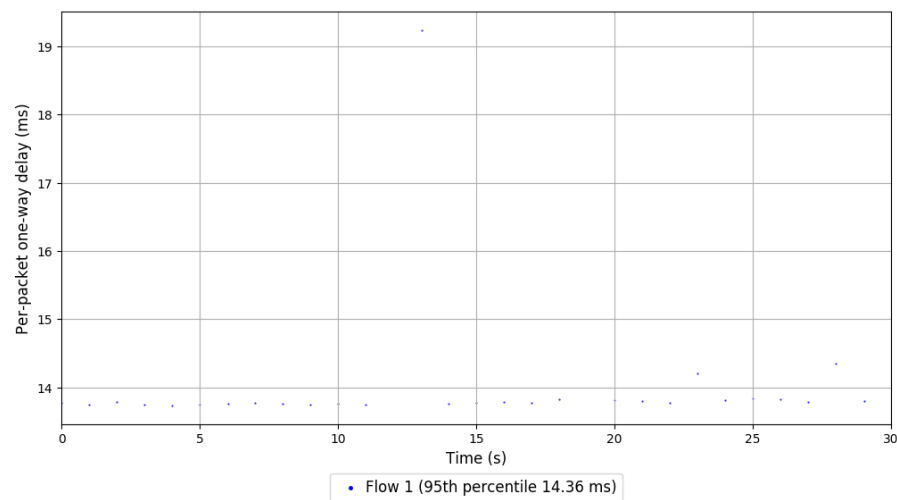
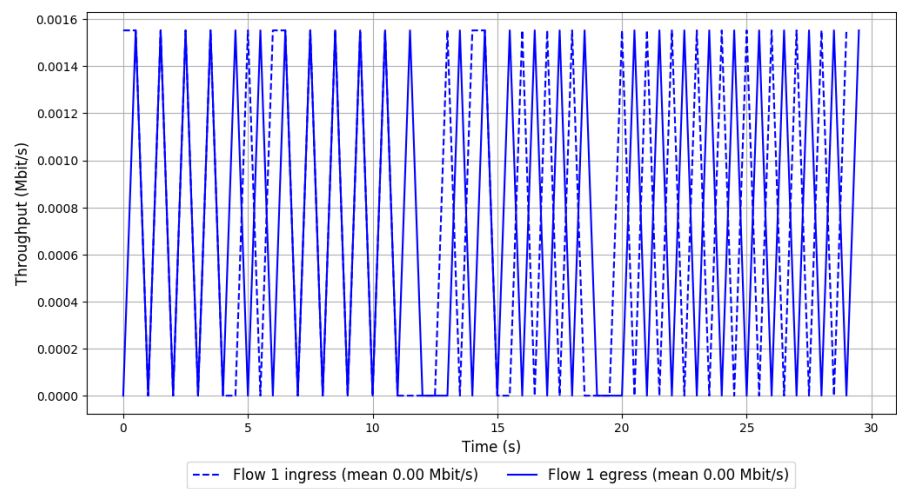
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 14.356 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link

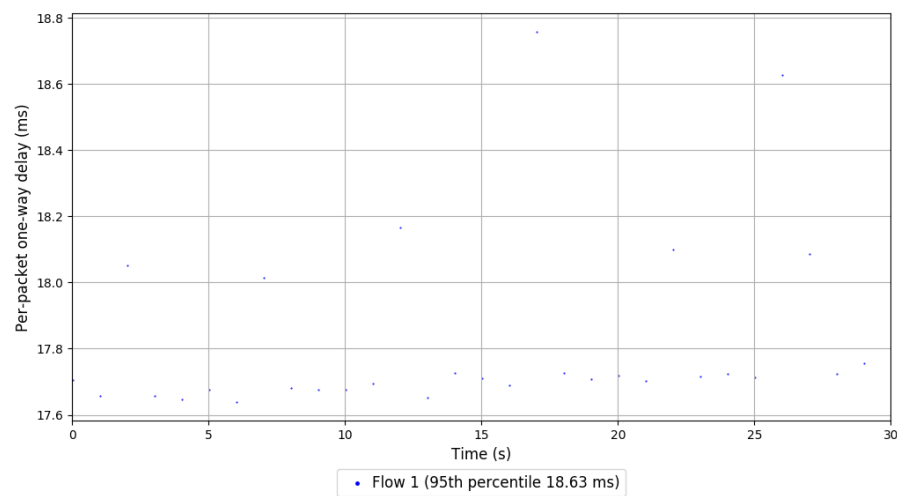
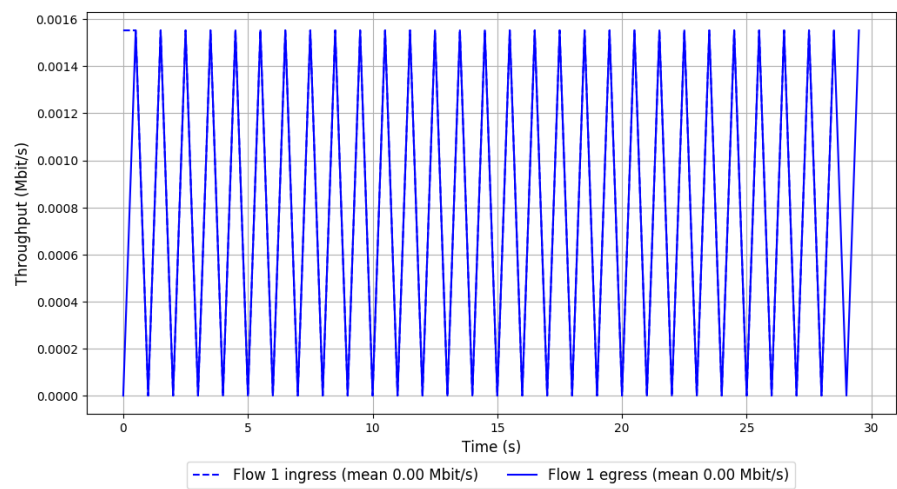


Run 8: Statistics of Verus

Start at: 2018-05-22 12:18:56
End at: 2018-05-22 12:19:26
Local clock offset: -0.281 ms
Remote clock offset: -0.583 ms

Below is generated by plot.py at 2018-05-22 13:13:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 18.626 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 18.626 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-05-22 12:37:18

End at: 2018-05-22 12:37:48

Local clock offset: 3.027 ms

Remote clock offset: 5.515 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.000 ms

Loss rate: 0.00%

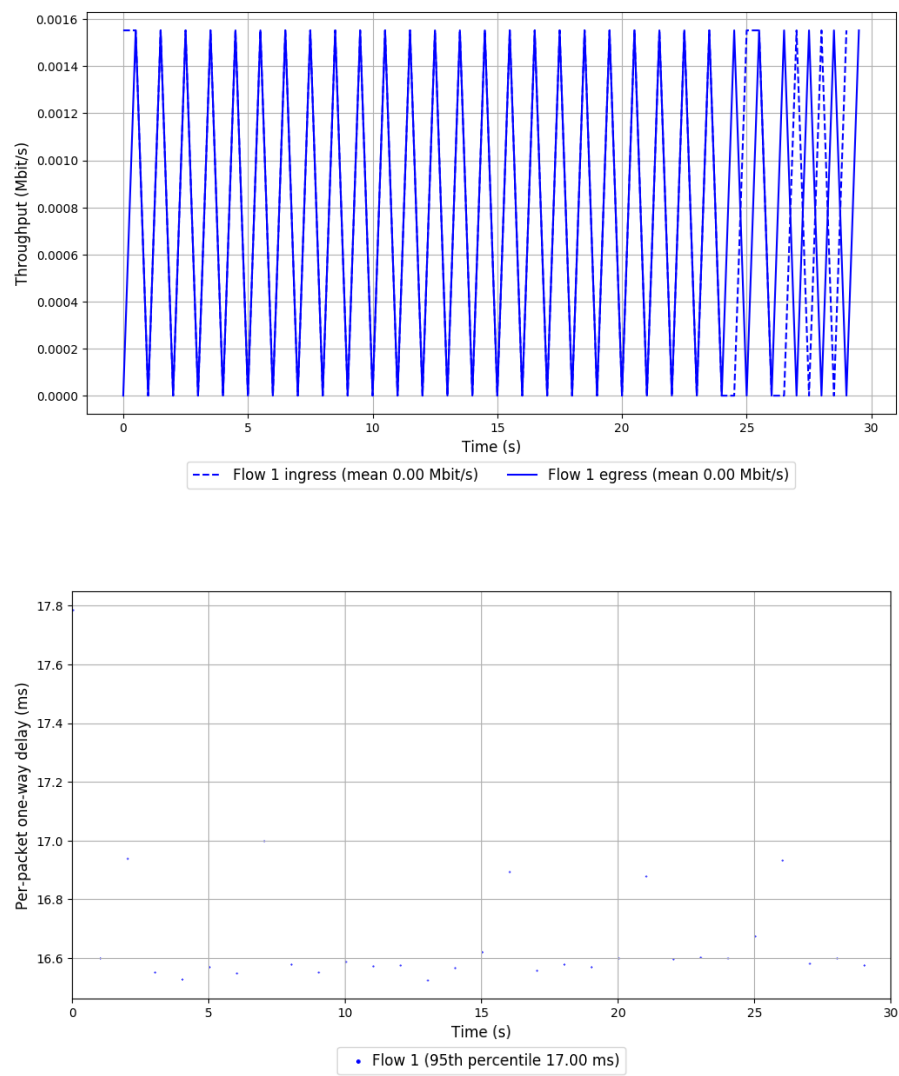
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.000 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-05-22 12:55:58

End at: 2018-05-22 12:56:28

Local clock offset: 2.102 ms

Remote clock offset: 1.932 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.463 ms

Loss rate: 0.00%

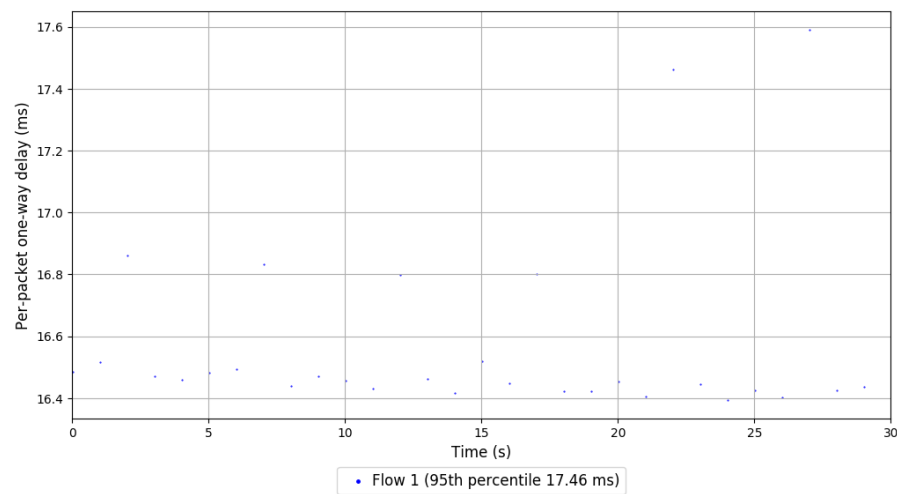
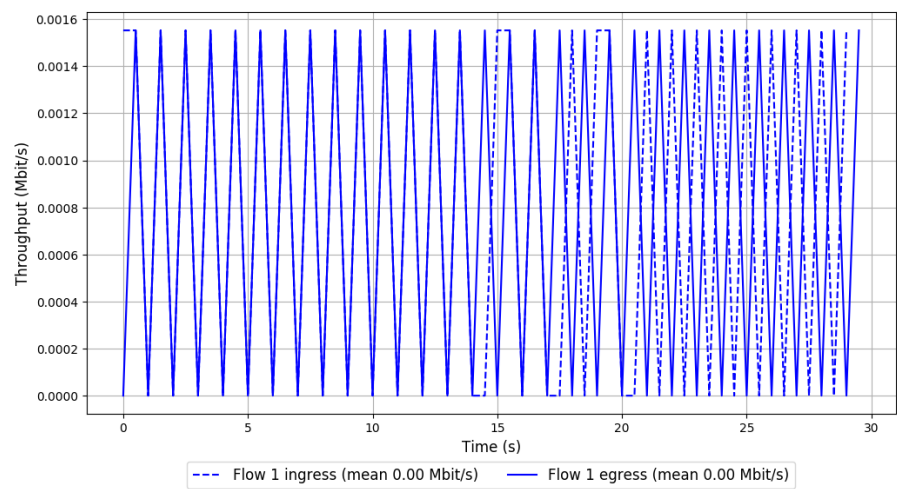
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.463 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-22 09:54:15

End at: 2018-05-22 09:54:45

Local clock offset: 1.516 ms

Remote clock offset: -6.117 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.96 Mbit/s

95th percentile per-packet one-way delay: 26.373 ms

Loss rate: 0.14%

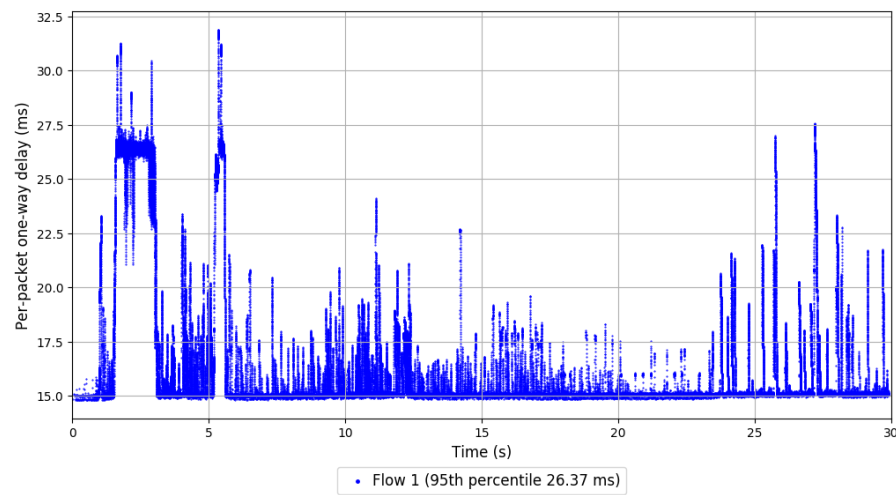
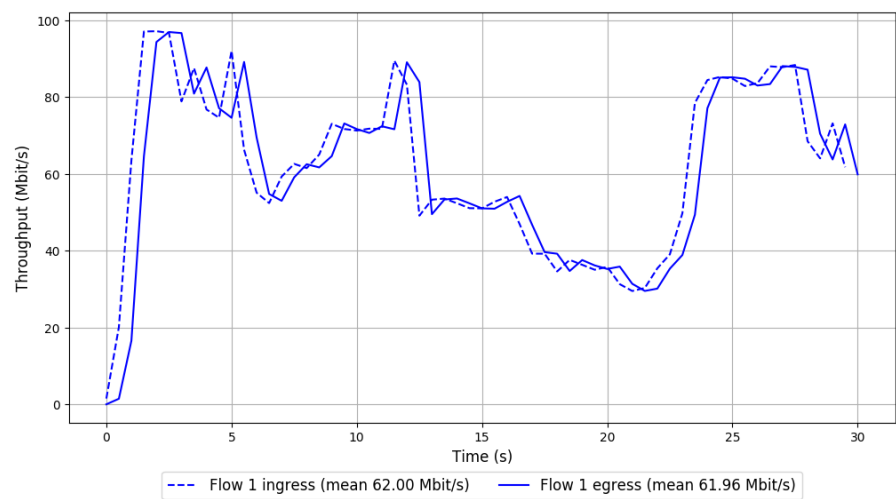
-- Flow 1:

Average throughput: 61.96 Mbit/s

95th percentile per-packet one-way delay: 26.373 ms

Loss rate: 0.14%

Run 1: Report of PCC-Vivace — Data Link

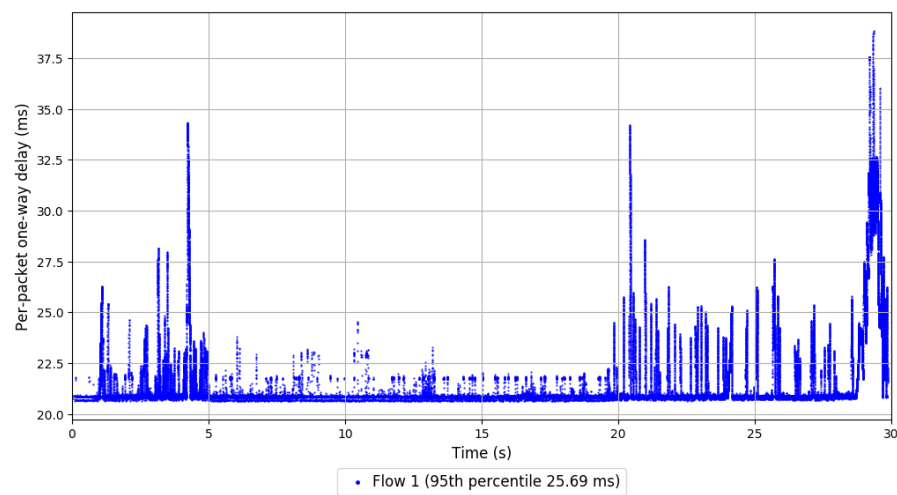
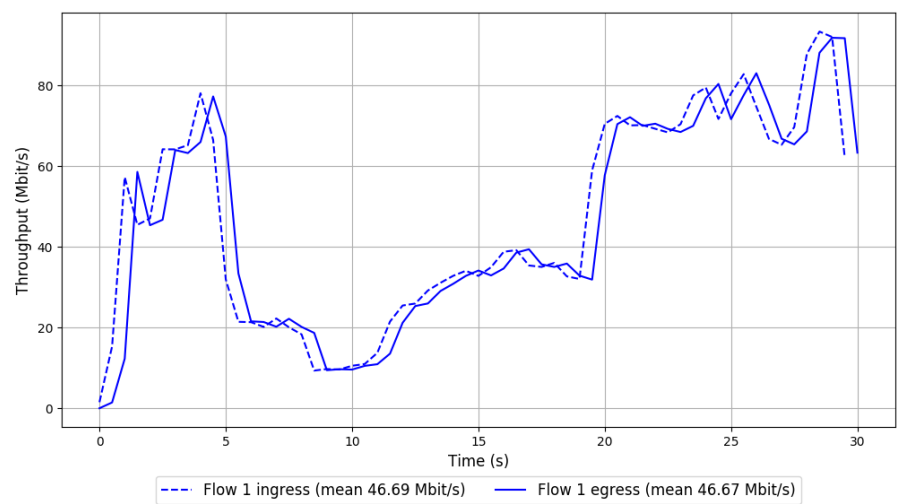


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-22 10:12:43
End at: 2018-05-22 10:13:13
Local clock offset: 0.109 ms
Remote clock offset: -11.904 ms

Below is generated by plot.py at 2018-05-22 13:13:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 25.691 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 25.691 ms
Loss rate: 0.14%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-22 10:31:08

End at: 2018-05-22 10:31:38

Local clock offset: 2.379 ms

Remote clock offset: -2.087 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.39 Mbit/s

95th percentile per-packet one-way delay: 28.080 ms

Loss rate: 0.39%

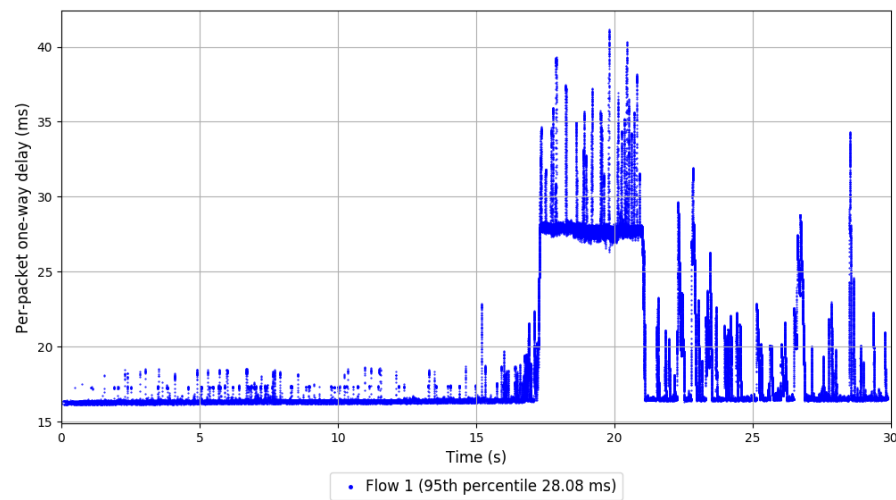
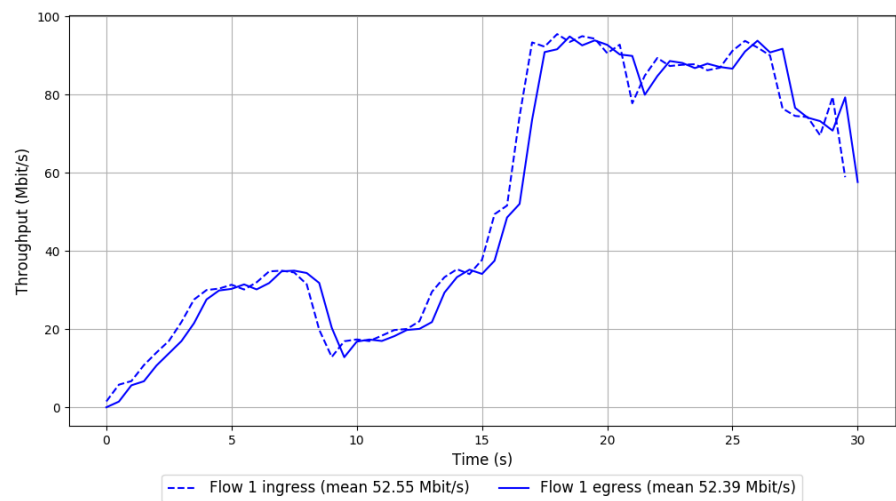
-- Flow 1:

Average throughput: 52.39 Mbit/s

95th percentile per-packet one-way delay: 28.080 ms

Loss rate: 0.39%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-22 10:49:52

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

Local clock offset: 0.004 ms

Remote clock offset: 2.408 ms

Below is generated by plot.py at 2018-05-22 13:14:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.79 Mbit/s

95th percentile per-packet one-way delay: 20.007 ms

Loss rate: 0.10%

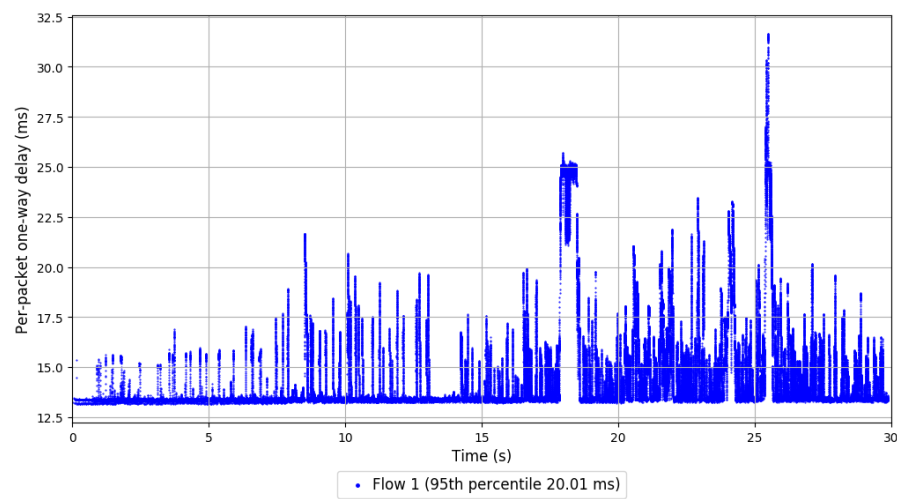
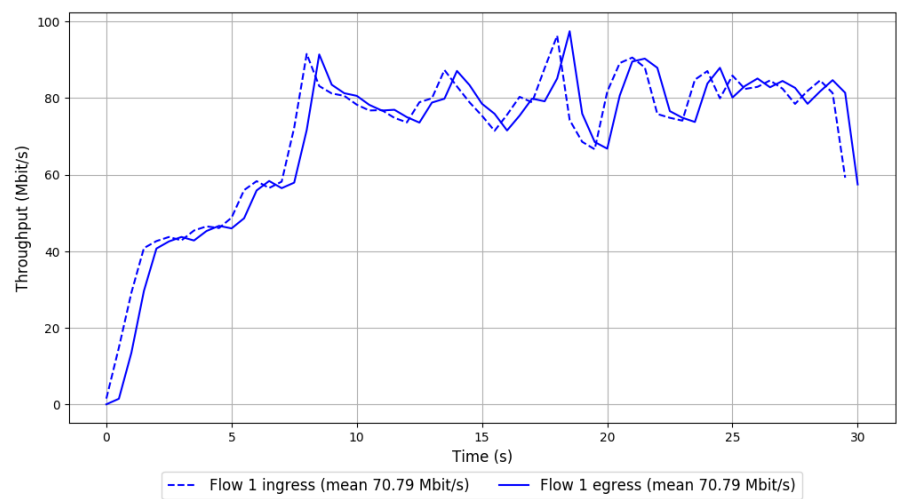
-- Flow 1:

Average throughput: 70.79 Mbit/s

95th percentile per-packet one-way delay: 20.007 ms

Loss rate: 0.10%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-22 11:08:37

End at: 2018-05-22 11:09:07

Local clock offset: -0.349 ms

Remote clock offset: 0.652 ms

Below is generated by plot.py at 2018-05-22 13:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.83 Mbit/s

95th percentile per-packet one-way delay: 13.574 ms

Loss rate: 0.10%

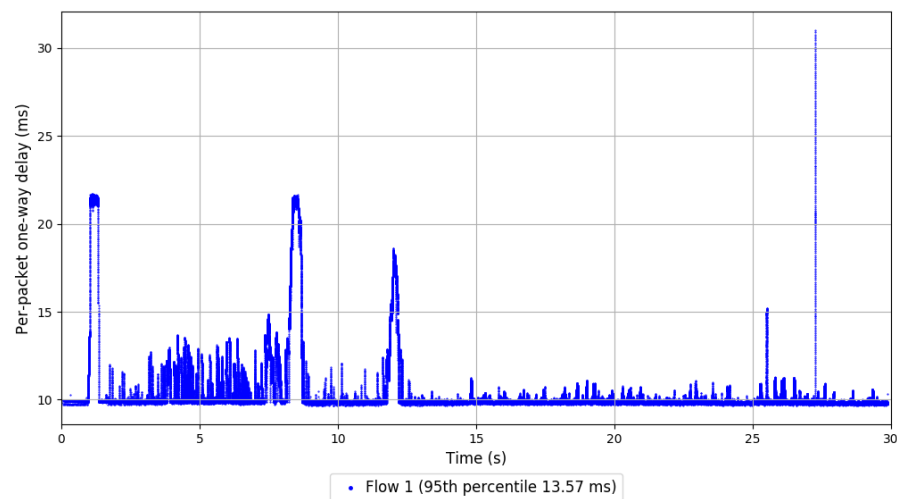
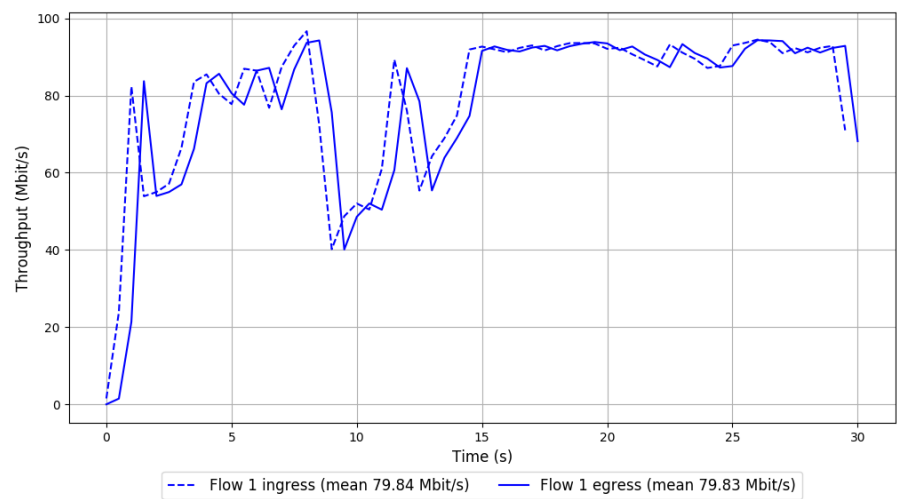
-- Flow 1:

Average throughput: 79.83 Mbit/s

95th percentile per-packet one-way delay: 13.574 ms

Loss rate: 0.10%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-22 11:27:15

End at: 2018-05-22 11:27:46

Local clock offset: 0.996 ms

Remote clock offset: -1.578 ms

Below is generated by plot.py at 2018-05-22 13:14:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.10 Mbit/s

95th percentile per-packet one-way delay: 19.852 ms

Loss rate: 0.05%

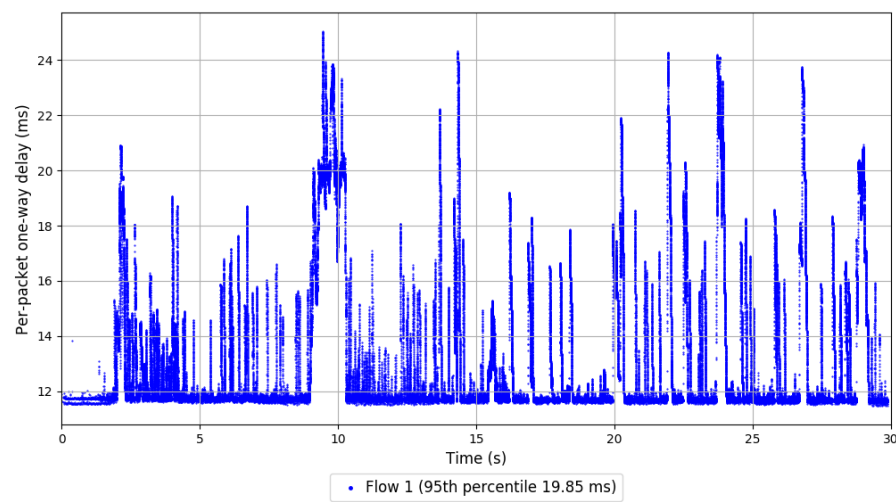
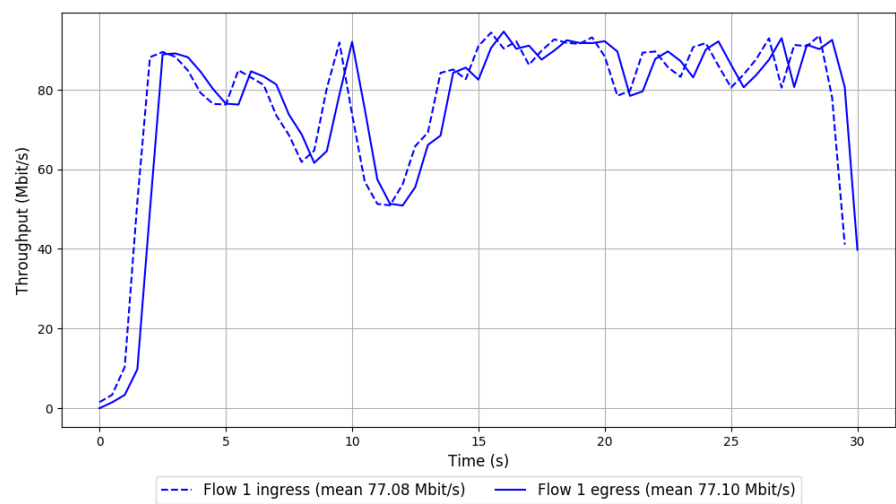
-- Flow 1:

Average throughput: 77.10 Mbit/s

95th percentile per-packet one-way delay: 19.852 ms

Loss rate: 0.05%

Run 6: Report of PCC-Vivace — Data Link

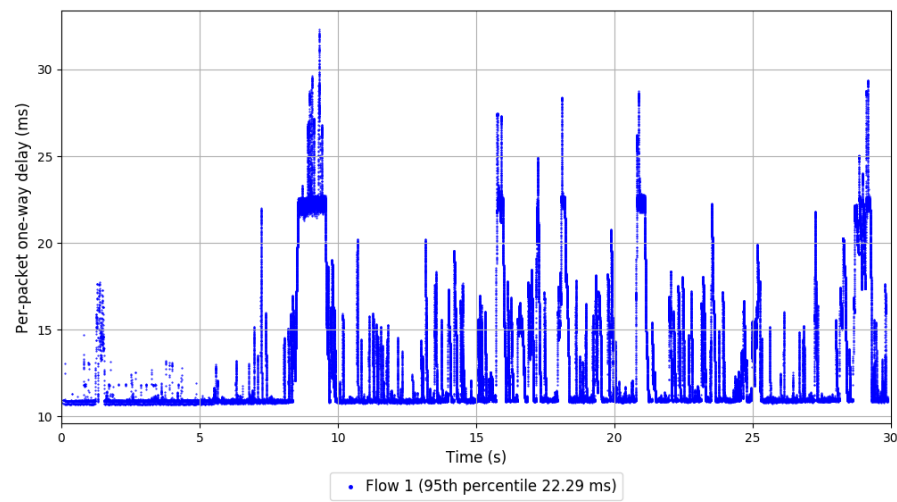
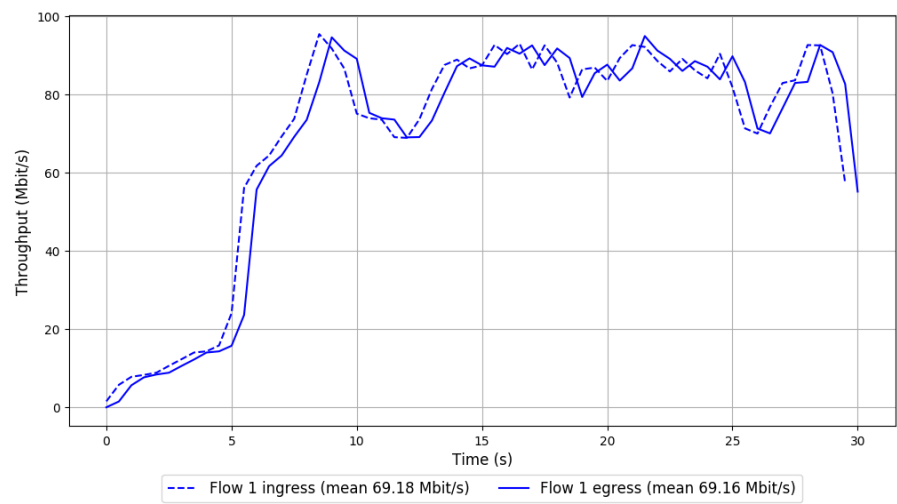


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-22 11:45:40
End at: 2018-05-22 11:46:10
Local clock offset: -0.317 ms
Remote clock offset: -1.522 ms

Below is generated by plot.py at 2018-05-22 13:14:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.16 Mbit/s
95th percentile per-packet one-way delay: 22.293 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 69.16 Mbit/s
95th percentile per-packet one-way delay: 22.293 ms
Loss rate: 0.11%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-22 12:03:52

End at: 2018-05-22 12:04:22

Local clock offset: 1.889 ms

Remote clock offset: 1.332 ms

Below is generated by plot.py at 2018-05-22 13:14:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.35 Mbit/s

95th percentile per-packet one-way delay: 26.785 ms

Loss rate: 0.23%

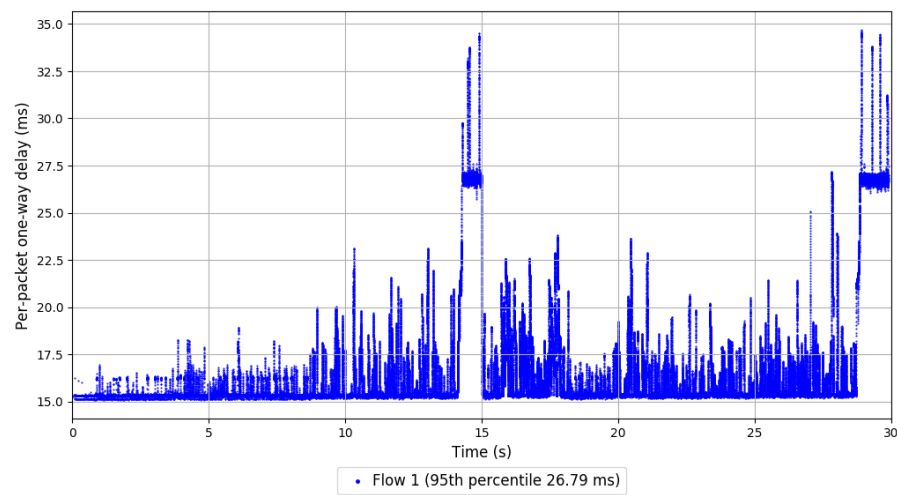
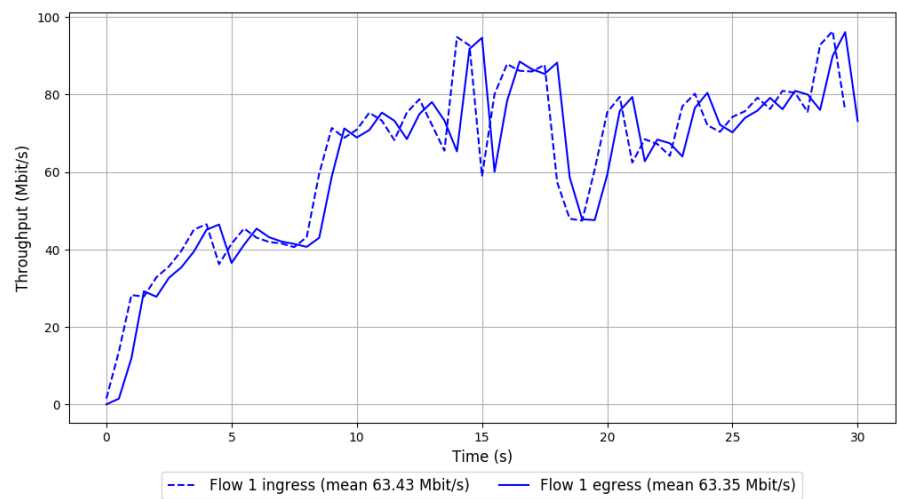
-- Flow 1:

Average throughput: 63.35 Mbit/s

95th percentile per-packet one-way delay: 26.785 ms

Loss rate: 0.23%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

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

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

Local clock offset: -0.187 ms

Remote clock offset: 2.034 ms

Below is generated by plot.py at 2018-05-22 13:14:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.23 Mbit/s

95th percentile per-packet one-way delay: 26.007 ms

Loss rate: 0.09%

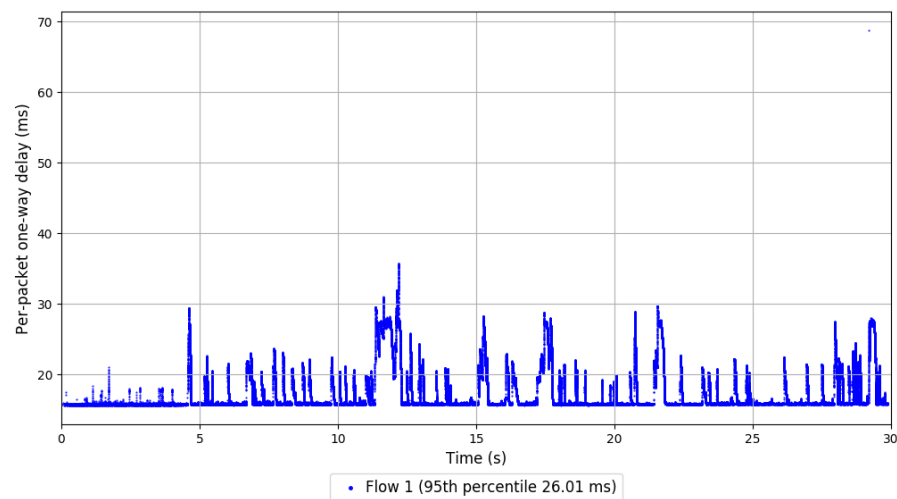
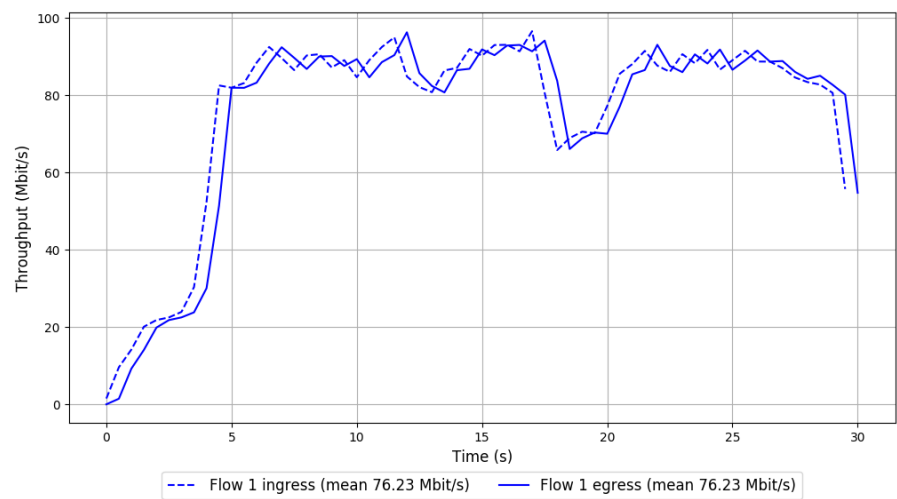
-- Flow 1:

Average throughput: 76.23 Mbit/s

95th percentile per-packet one-way delay: 26.007 ms

Loss rate: 0.09%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-22 12:40:46

End at: 2018-05-22 12:41:16

Local clock offset: -0.315 ms

Remote clock offset: 3.414 ms

Below is generated by plot.py at 2018-05-22 13:14:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.91 Mbit/s

95th percentile per-packet one-way delay: 18.160 ms

Loss rate: 0.10%

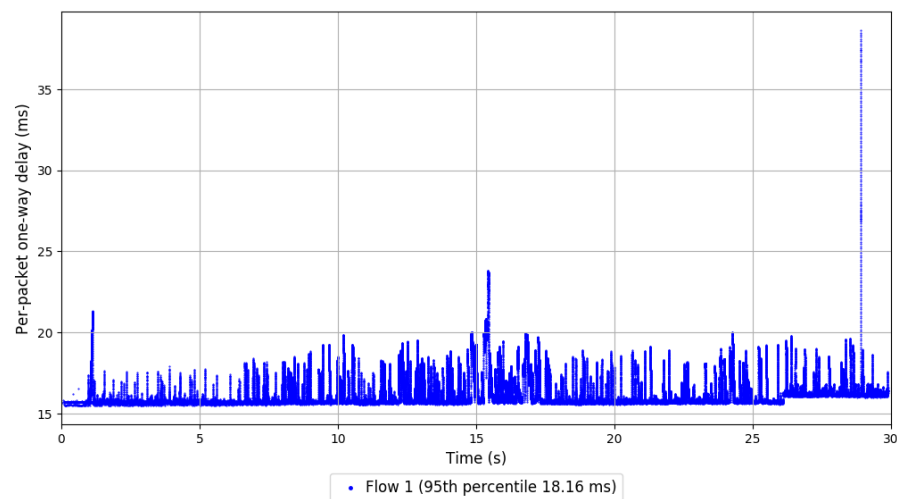
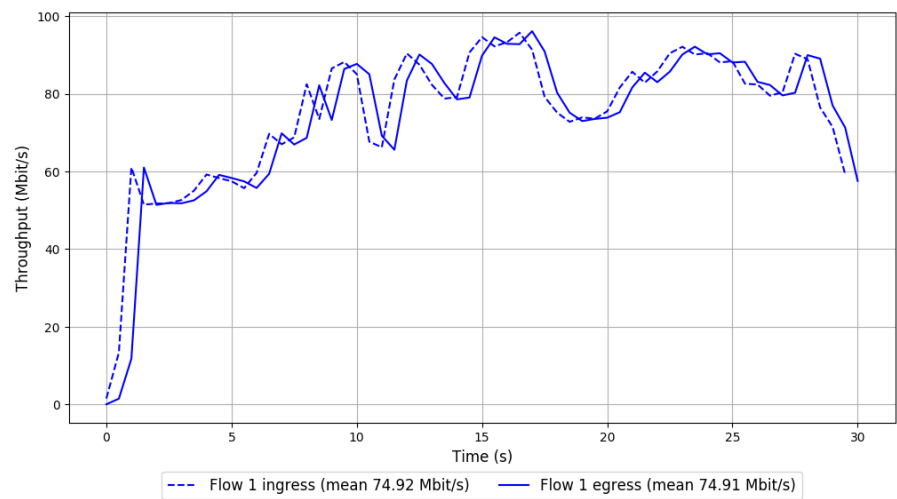
-- Flow 1:

Average throughput: 74.91 Mbit/s

95th percentile per-packet one-way delay: 18.160 ms

Loss rate: 0.10%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-05-22 09:57:43

End at: 2018-05-22 09:58:13

Local clock offset: 1.648 ms

Remote clock offset: -3.665 ms

Below is generated by plot.py at 2018-05-22 13:14:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 14.151 ms

Loss rate: 0.13%

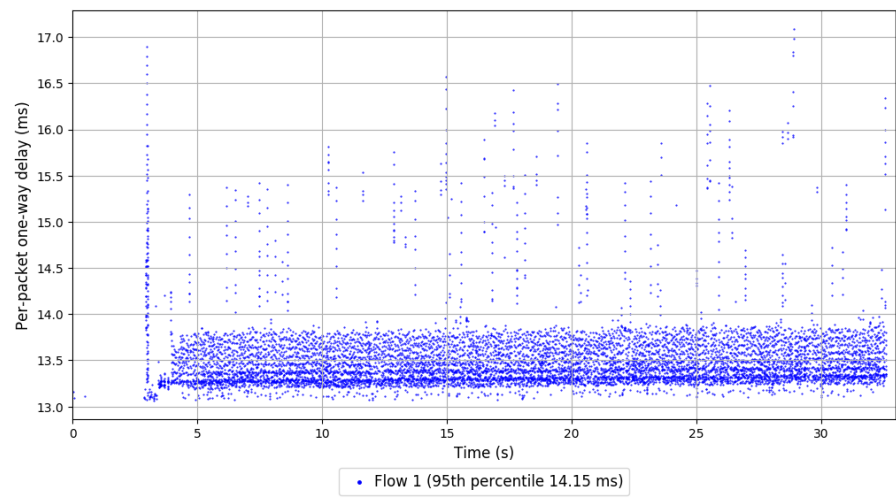
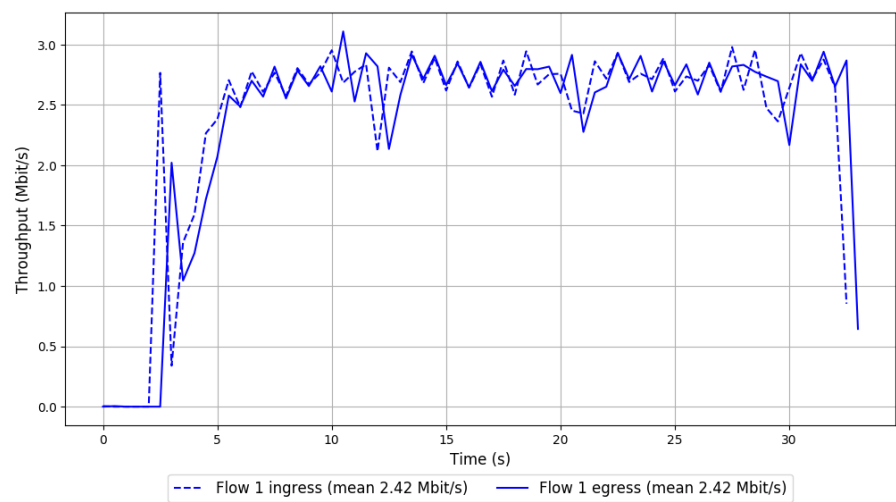
-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 14.151 ms

Loss rate: 0.13%

Run 1: Report of WebRTC media — Data Link

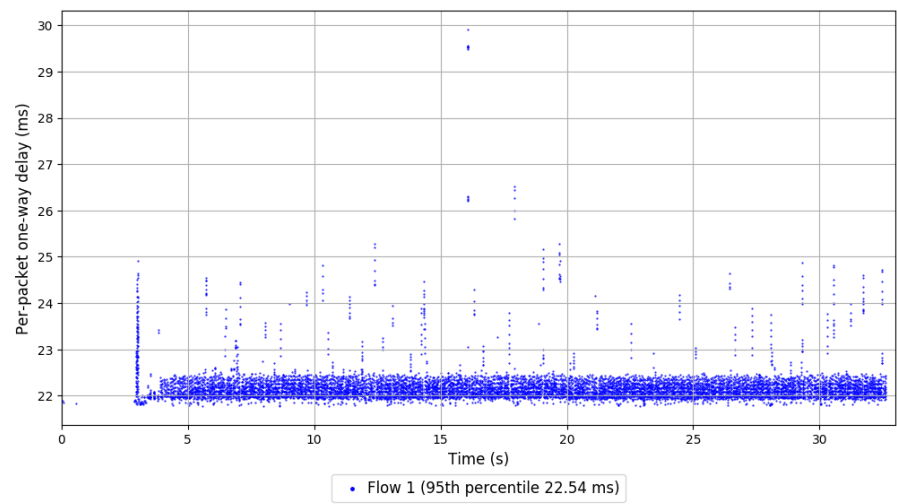
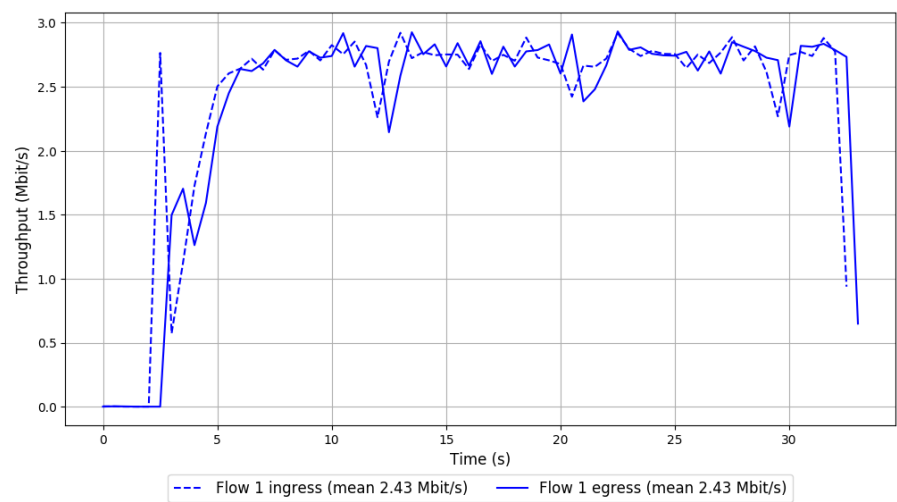


Run 2: Statistics of WebRTC media

Start at: 2018-05-22 10:16:15
End at: 2018-05-22 10:16:45
Local clock offset: 0.98 ms
Remote clock offset: -12.125 ms

Below is generated by plot.py at 2018-05-22 13:14:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 22.543 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 22.543 ms
Loss rate: 0.27%

Run 2: Report of WebRTC media — Data Link

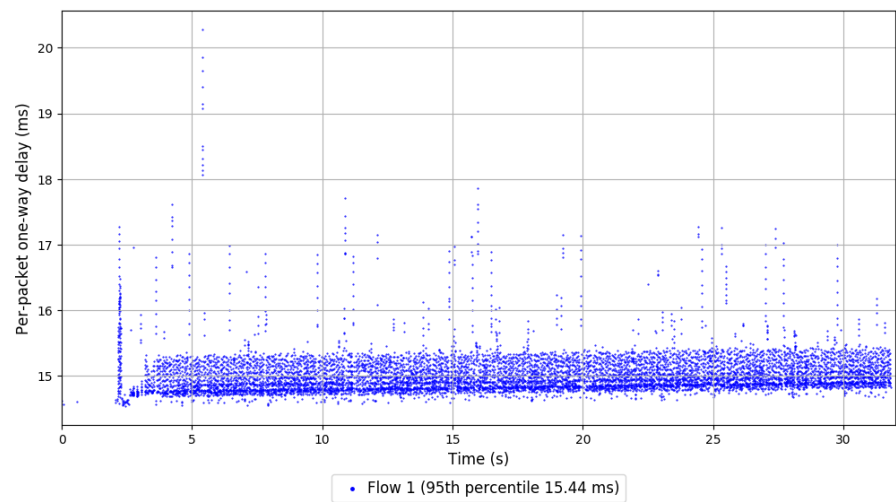
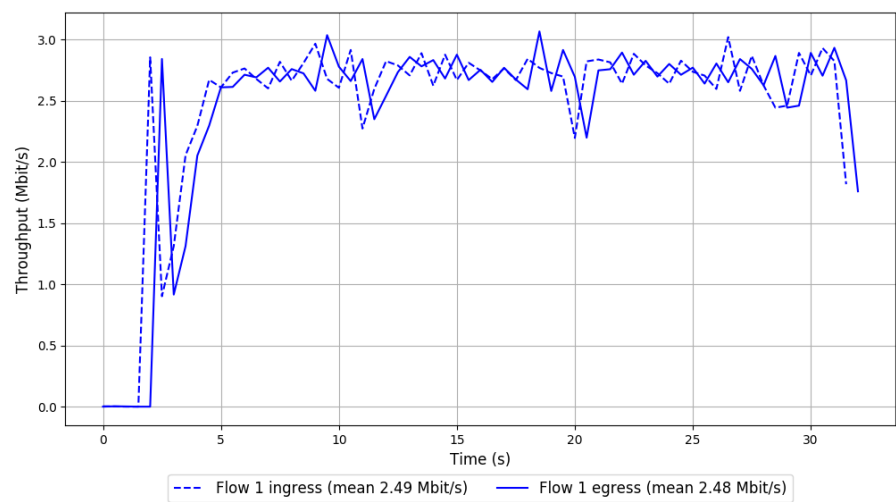


Run 3: Statistics of WebRTC media

Start at: 2018-05-22 10:34:49
End at: 2018-05-22 10:35:19
Local clock offset: -0.179 ms
Remote clock offset: -1.701 ms

Below is generated by plot.py at 2018-05-22 13:14:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 15.438 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 15.438 ms
Loss rate: 0.14%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-22 10:53:34

End at: 2018-05-22 10:54:04

Local clock offset: -0.172 ms

Remote clock offset: 0.995 ms

Below is generated by plot.py at 2018-05-22 13:14:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 15.722 ms

Loss rate: 0.13%

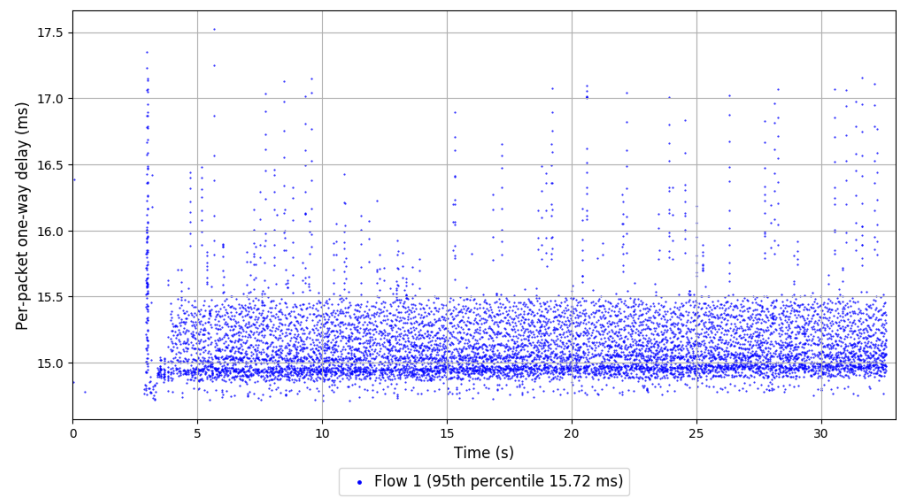
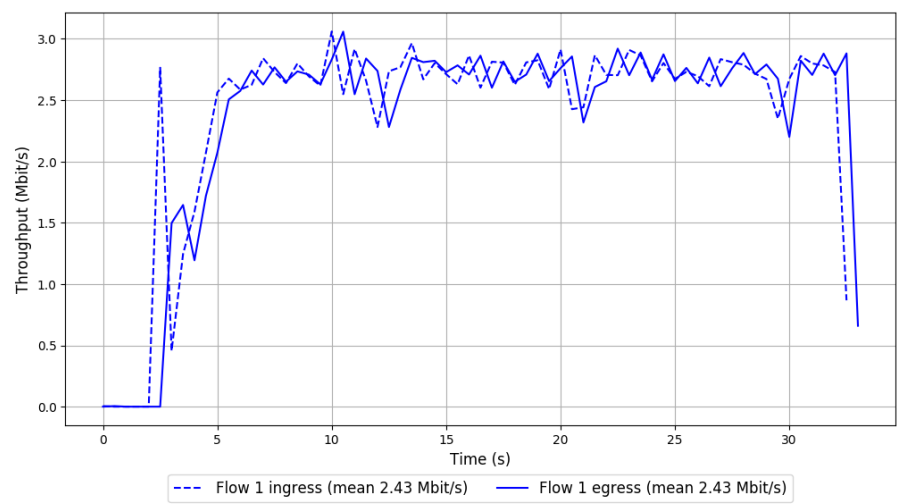
-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 15.722 ms

Loss rate: 0.13%

Run 4: Report of WebRTC media — Data Link

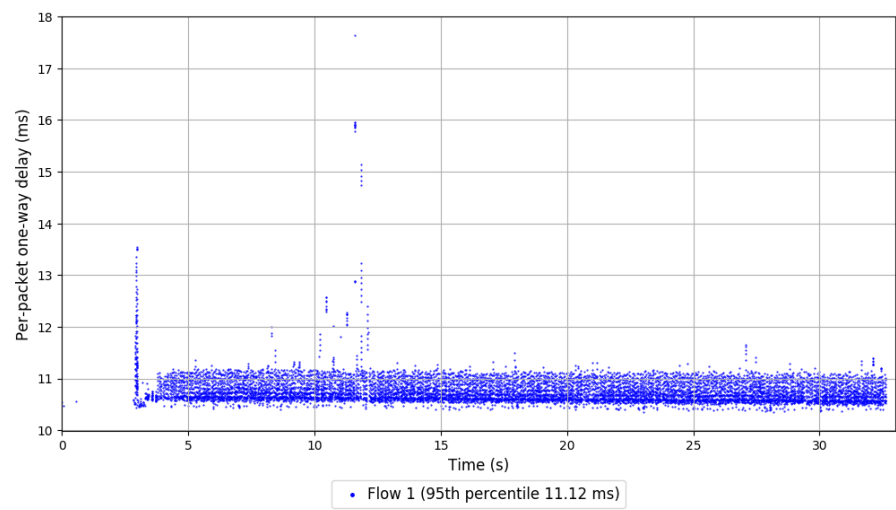
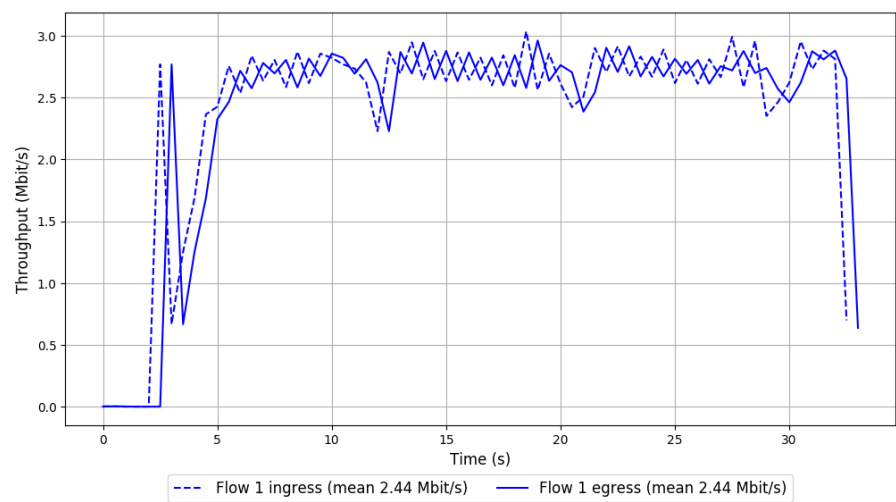


Run 5: Statistics of WebRTC media

Start at: 2018-05-22 11:12:10
End at: 2018-05-22 11:12:40
Local clock offset: -0.586 ms
Remote clock offset: -0.627 ms

Below is generated by plot.py at 2018-05-22 13:14:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 11.119 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 11.119 ms
Loss rate: 0.14%

Run 5: Report of WebRTC media — Data Link

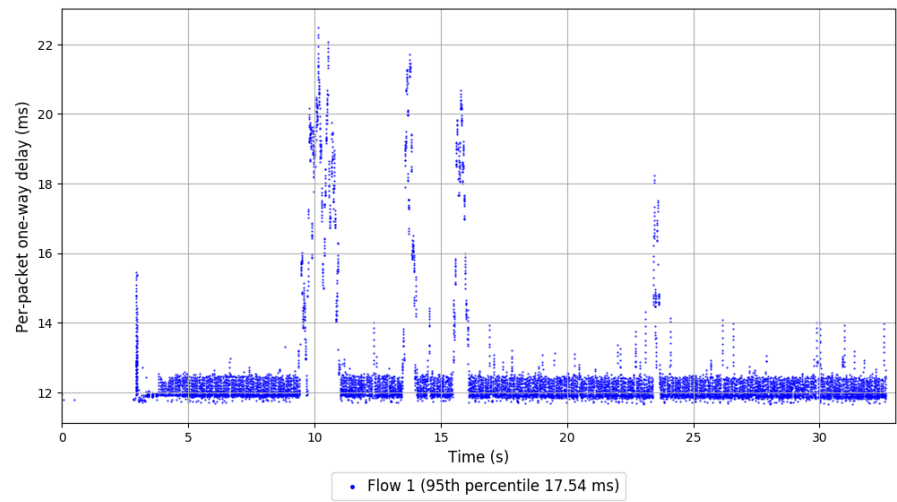
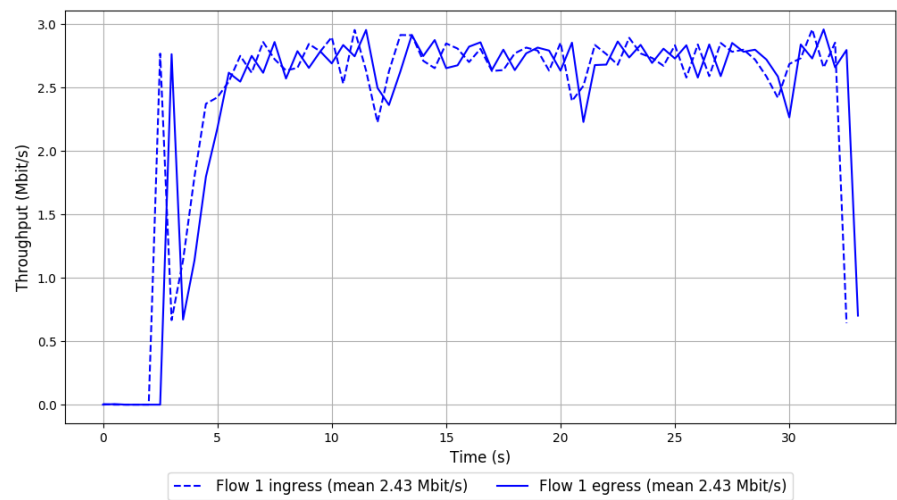


Run 6: Statistics of WebRTC media

Start at: 2018-05-22 11:30:53
End at: 2018-05-22 11:31:23
Local clock offset: -0.445 ms
Remote clock offset: -3.749 ms

Below is generated by plot.py at 2018-05-22 13:14:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 17.536 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 17.536 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

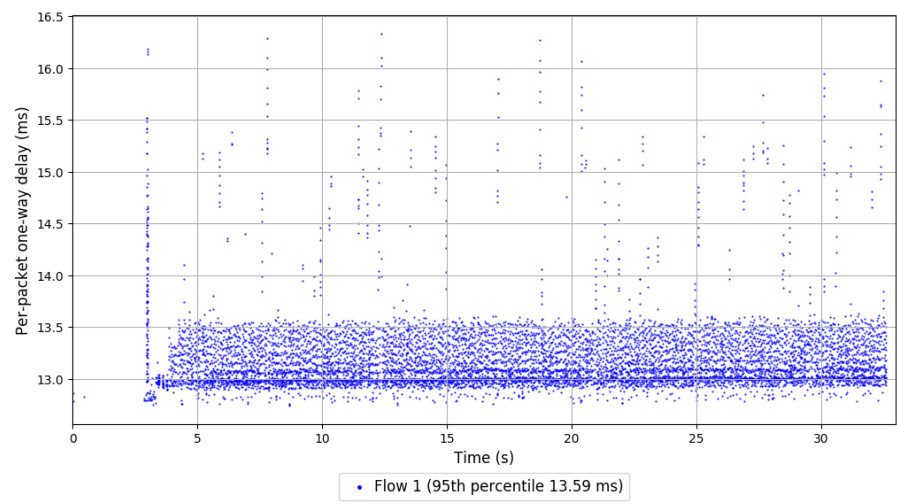
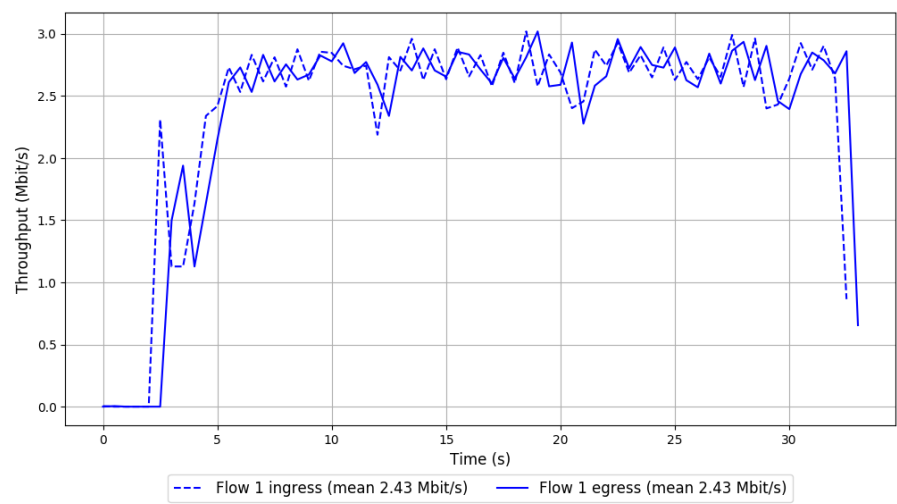


Run 7: Statistics of WebRTC media

Start at: 2018-05-22 11:49:08
End at: 2018-05-22 11:49:38
Local clock offset: 1.603 ms
Remote clock offset: -1.317 ms

Below is generated by plot.py at 2018-05-22 13:14:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 13.591 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 13.591 ms
Loss rate: 0.13%

Run 7: Report of WebRTC media — Data Link

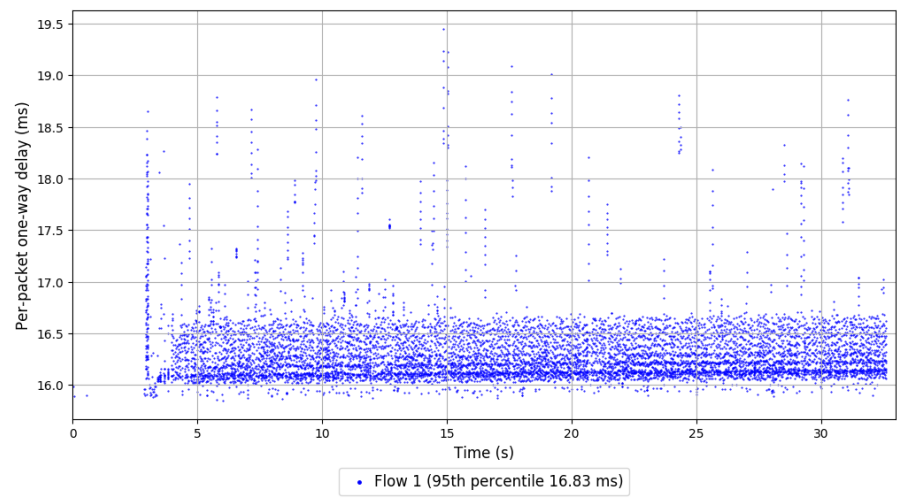
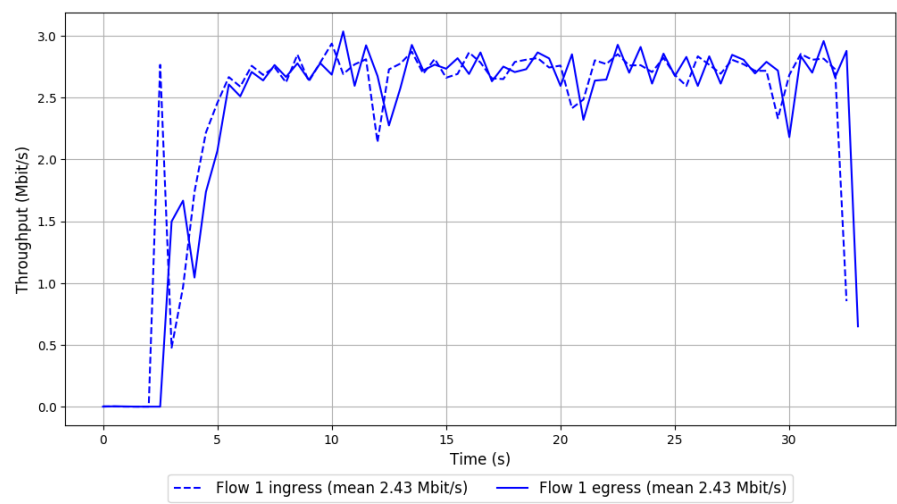


Run 8: Statistics of WebRTC media

Start at: 2018-05-22 12:07:20
End at: 2018-05-22 12:07:50
Local clock offset: 0.632 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-05-22 13:14:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 16.833 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 16.833 ms
Loss rate: 0.13%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-22 12:25:57

End at: 2018-05-22 12:26:27

Local clock offset: -0.693 ms

Remote clock offset: 4.763 ms

Below is generated by plot.py at 2018-05-22 13:14:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 13.699 ms

Loss rate: 0.05%

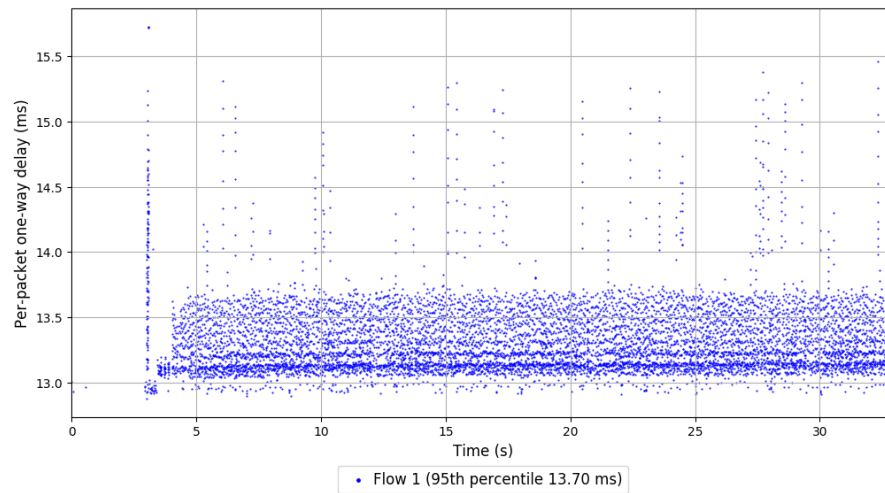
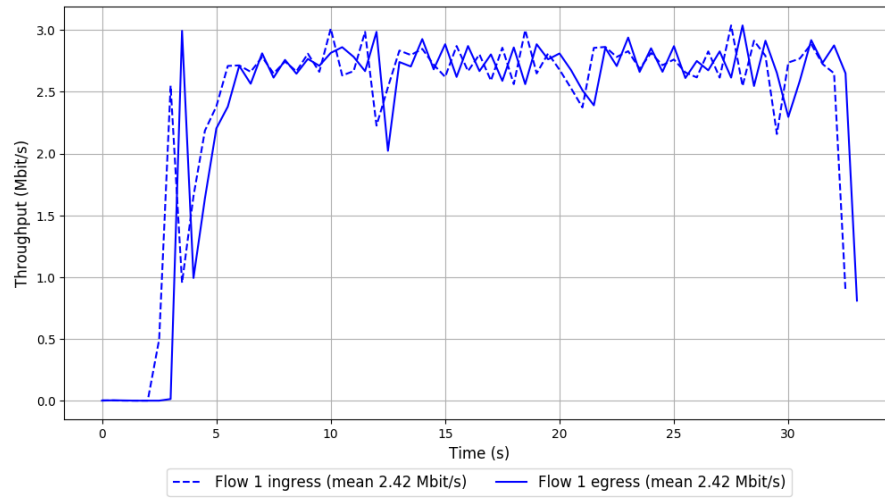
-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 13.699 ms

Loss rate: 0.05%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-22 12:44:18

End at: 2018-05-22 12:44:48

Local clock offset: 0.378 ms

Remote clock offset: 4.294 ms

Below is generated by plot.py at 2018-05-22 13:14:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 16.268 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 16.268 ms

Loss rate: 0.04%

Run 10: Report of WebRTC media — Data Link

