

Pantheon Report

Generated at 2018-06-05 22:56:58 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

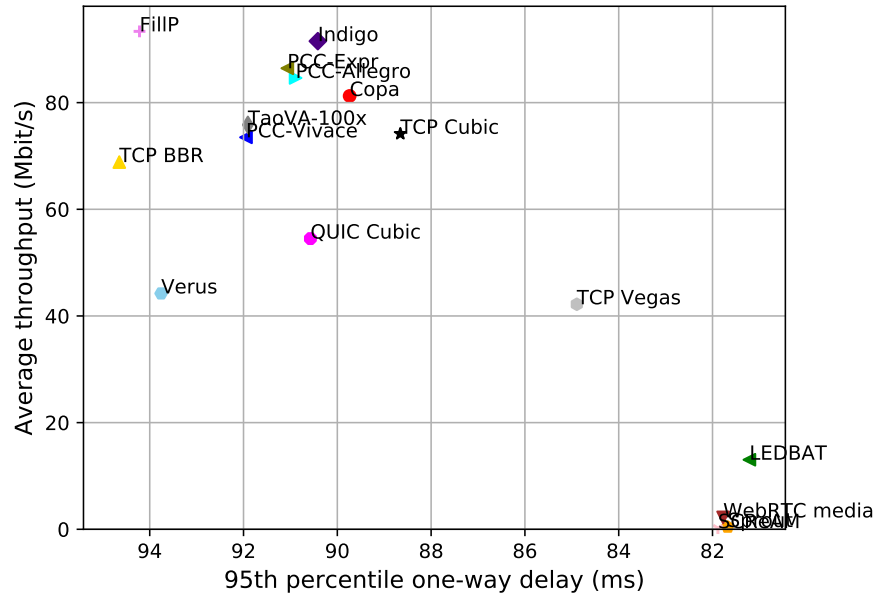
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

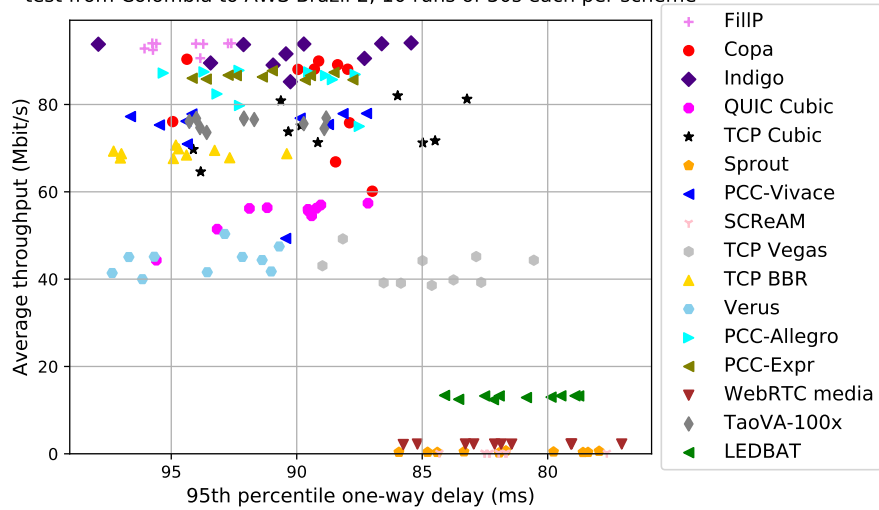
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



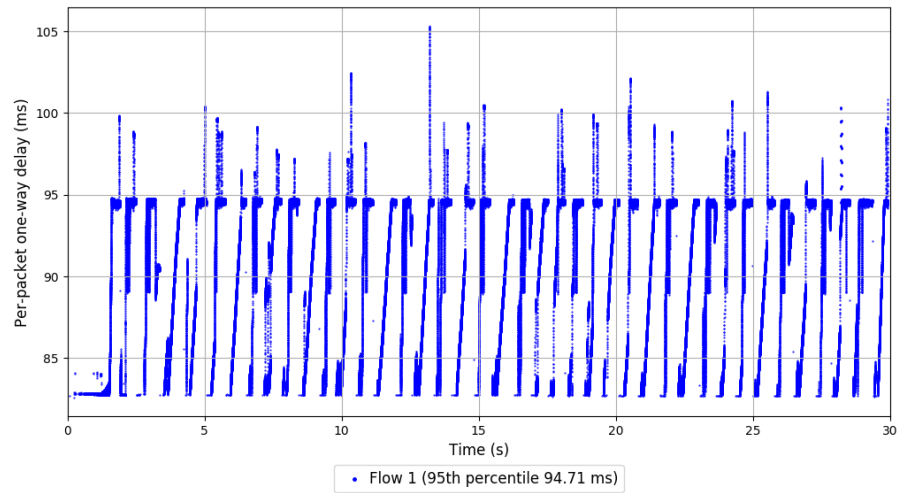
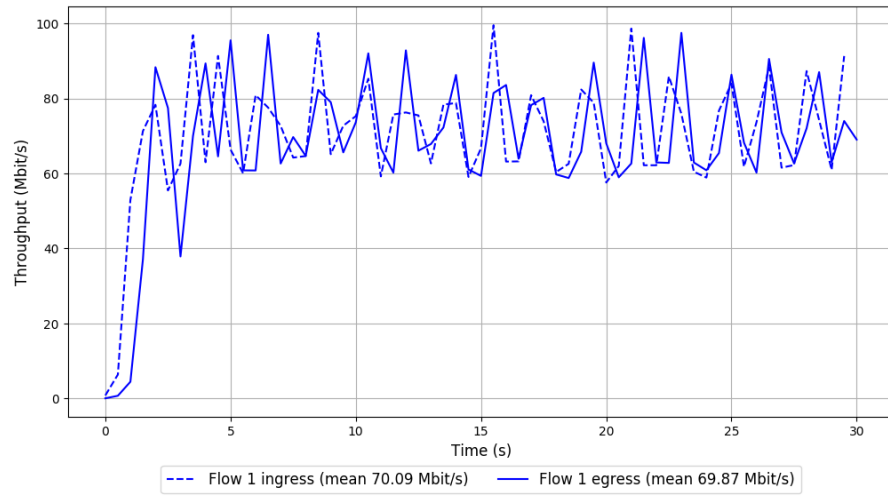
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	68.85	94.65	0.80
Copa	10	81.25	89.74	0.56
TCP Cubic	10	74.15	88.66	0.55
FillP	10	93.36	94.22	0.59
Indigo	10	91.53	90.42	1.44
LEDBAT	10	13.04	81.21	1.07
PCC-Allegro	10	84.63	90.89	0.67
PCC-Expr	10	86.44	91.07	0.80
QUIC Cubic	10	54.51	90.57	0.88
SCReAM	10	0.22	81.88	0.52
Sprout	10	0.43	81.68	0.44
TaoVA-100x	10	75.84	91.91	0.56
TCP Vegas	10	42.19	84.89	0.59
Verus	10	44.22	93.76	0.31
PCC-Vivace	10	73.49	91.95	0.65
WebRTC media	10	2.23	81.77	0.29

Run 1: Statistics of TCP BBR

Start at: 2018-06-05 19:34:00
End at: 2018-06-05 19:34:30
Local clock offset: -0.955 ms
Remote clock offset: 12.184 ms

Below is generated by plot.py at 2018-06-05 22:39:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.87 Mbit/s
95th percentile per-packet one-way delay: 94.706 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 69.87 Mbit/s
95th percentile per-packet one-way delay: 94.706 ms
Loss rate: 0.83%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-05 19:52:38

End at: 2018-06-05 19:53:08

Local clock offset: -1.747 ms

Remote clock offset: 9.852 ms

Below is generated by plot.py at 2018-06-05 22:39:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.74 Mbit/s

95th percentile per-packet one-way delay: 96.986 ms

Loss rate: 1.01%

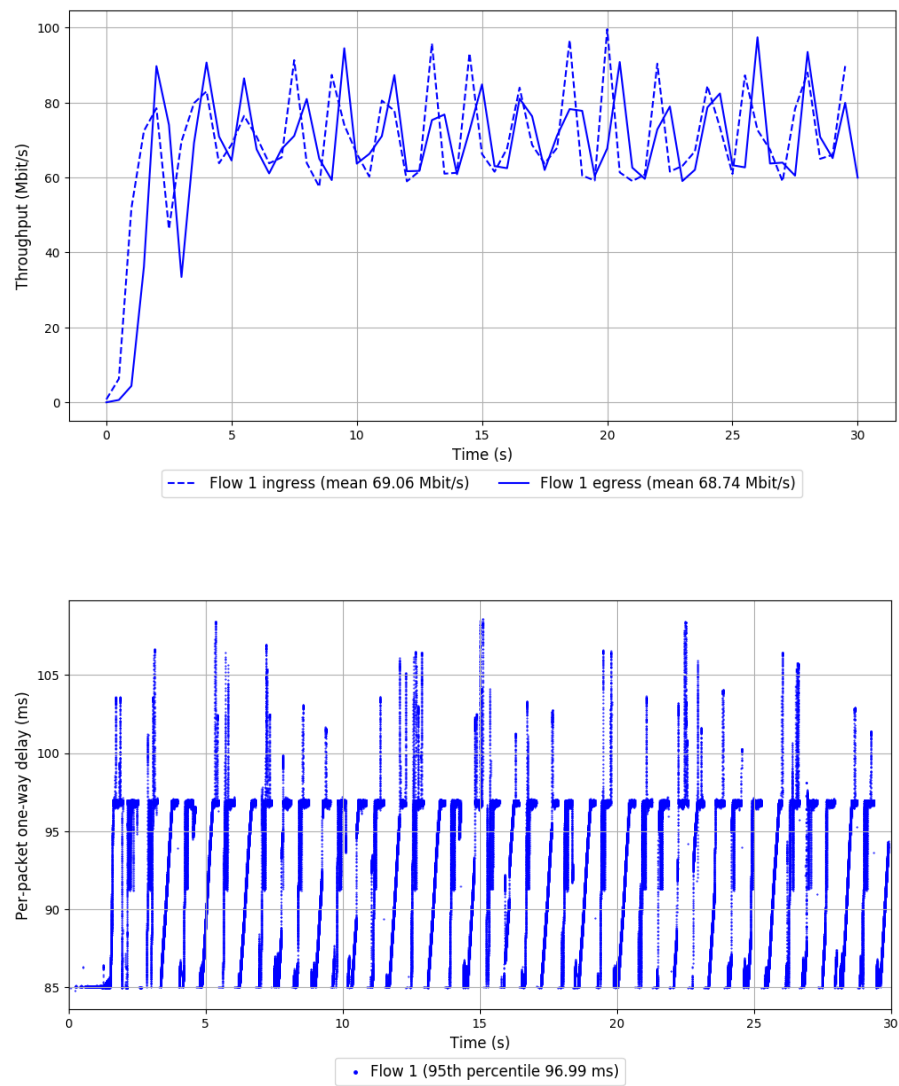
-- Flow 1:

Average throughput: 68.74 Mbit/s

95th percentile per-packet one-way delay: 96.986 ms

Loss rate: 1.01%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-05 20:11:15

End at: 2018-06-05 20:11:45

Local clock offset: -2.1 ms

Remote clock offset: 8.634 ms

Below is generated by plot.py at 2018-06-05 22:39:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.70 Mbit/s

95th percentile per-packet one-way delay: 94.818 ms

Loss rate: 0.89%

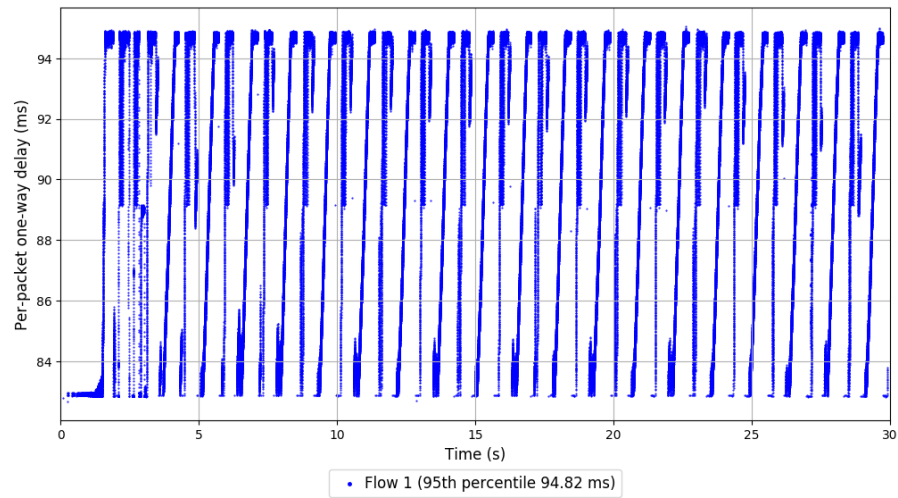
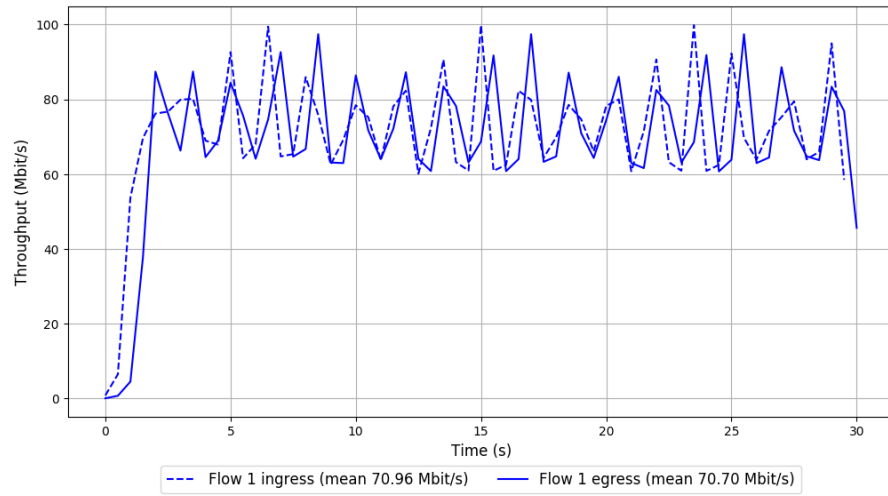
-- Flow 1:

Average throughput: 70.70 Mbit/s

95th percentile per-packet one-way delay: 94.818 ms

Loss rate: 0.89%

Run 3: Report of TCP BBR — Data Link

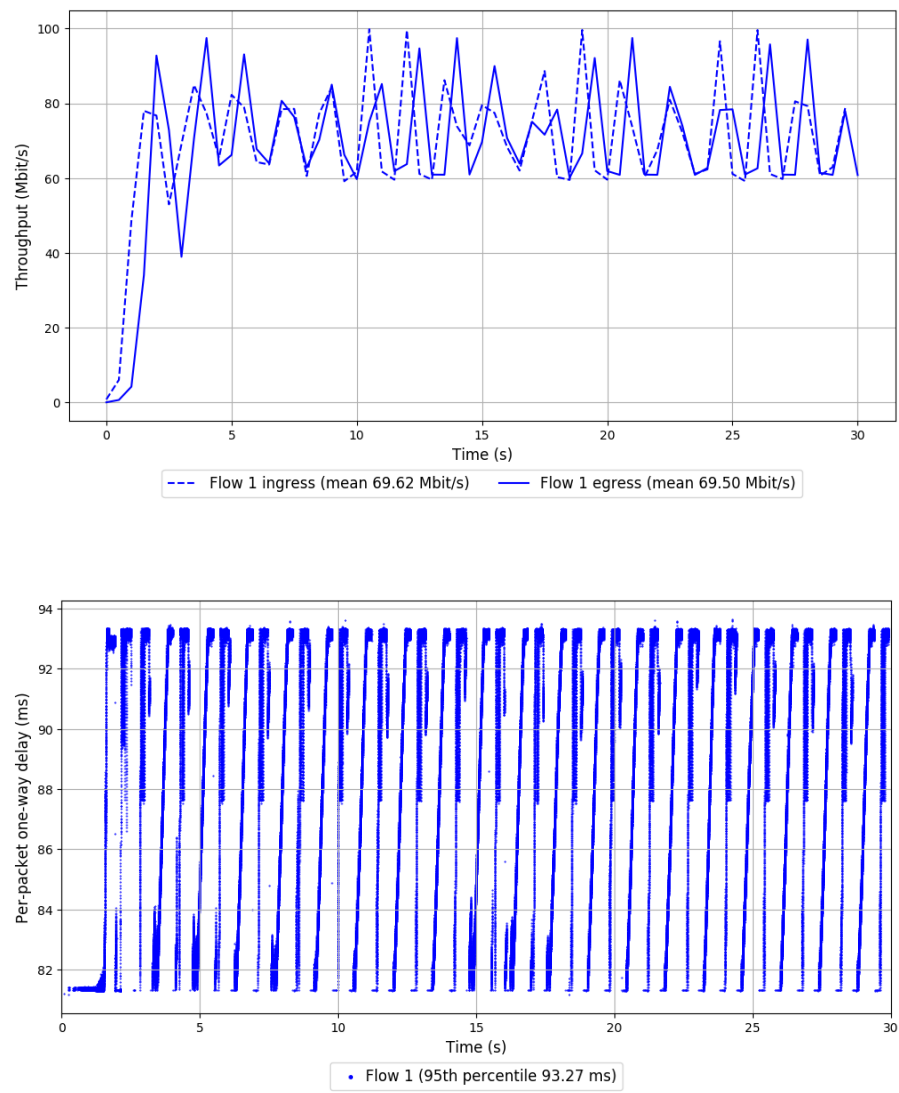


Run 4: Statistics of TCP BBR

Start at: 2018-06-05 20:29:54
End at: 2018-06-05 20:30:24
Local clock offset: -2.551 ms
Remote clock offset: 11.931 ms

Below is generated by plot.py at 2018-06-05 22:39:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.50 Mbit/s
95th percentile per-packet one-way delay: 93.272 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 69.50 Mbit/s
95th percentile per-packet one-way delay: 93.272 ms
Loss rate: 0.71%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-05 20:48:38

End at: 2018-06-05 20:49:08

Local clock offset: -6.311 ms

Remote clock offset: 3.536 ms

Below is generated by plot.py at 2018-06-05 22:39:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.32 Mbit/s

95th percentile per-packet one-way delay: 97.298 ms

Loss rate: 0.64%

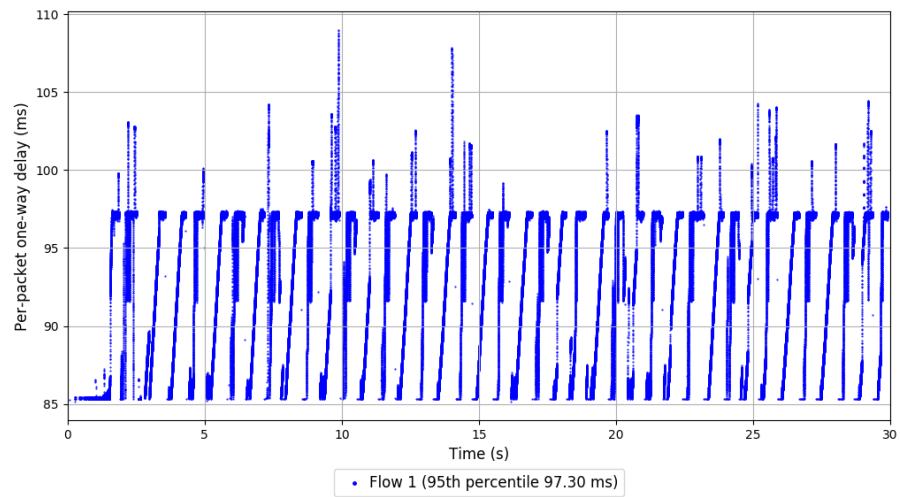
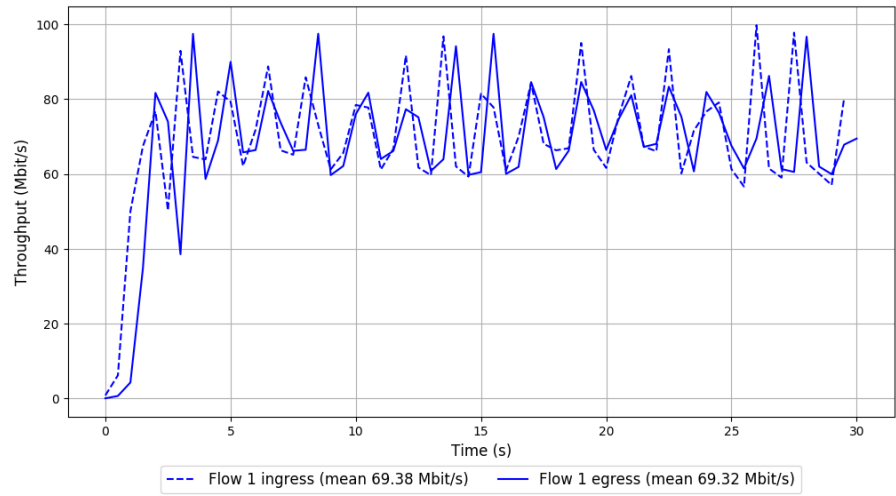
-- Flow 1:

Average throughput: 69.32 Mbit/s

95th percentile per-packet one-way delay: 97.298 ms

Loss rate: 0.64%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-05 21:07:15

End at: 2018-06-05 21:07:45

Local clock offset: -8.067 ms

Remote clock offset: 6.14 ms

Below is generated by plot.py at 2018-06-05 22:39:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.81 Mbit/s

95th percentile per-packet one-way delay: 92.671 ms

Loss rate: 0.99%

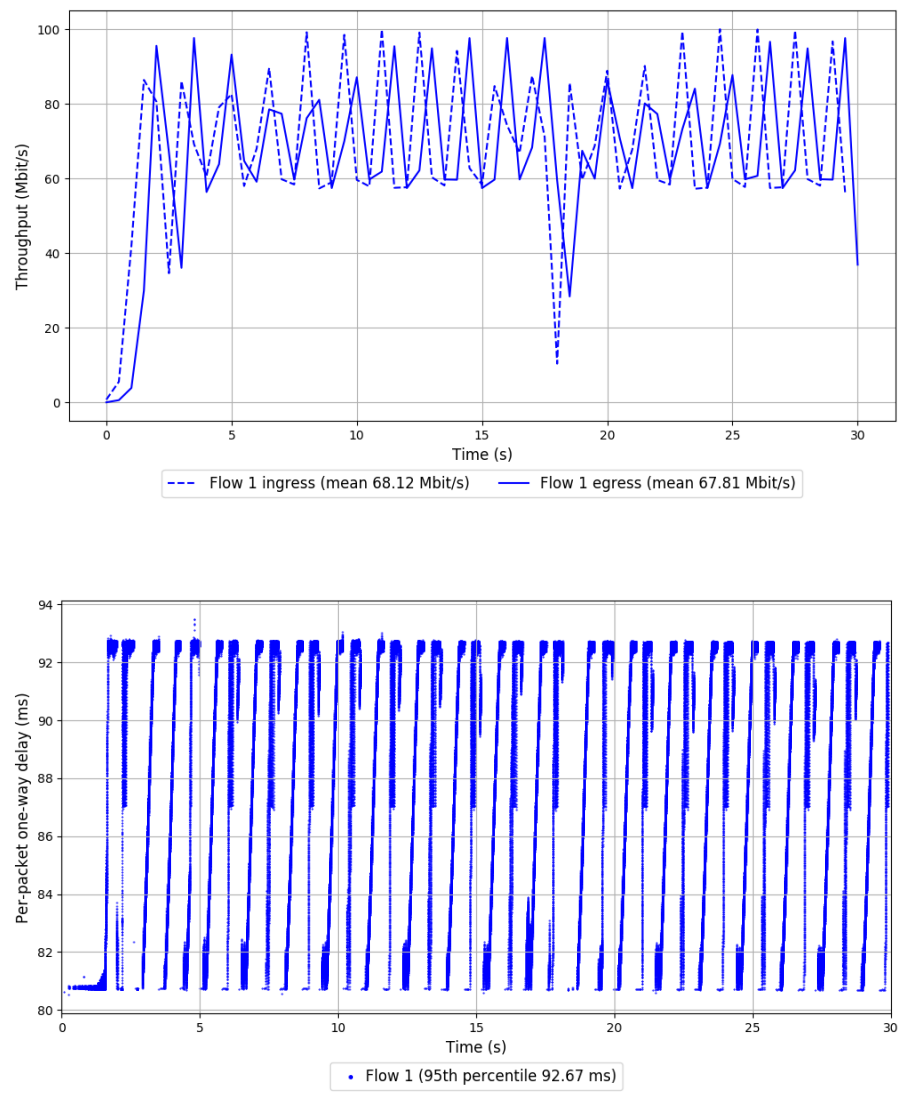
-- Flow 1:

Average throughput: 67.81 Mbit/s

95th percentile per-packet one-way delay: 92.671 ms

Loss rate: 0.99%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-05 21:25:54

End at: 2018-06-05 21:26:24

Local clock offset: -8.879 ms

Remote clock offset: 5.38 ms

Below is generated by plot.py at 2018-06-05 22:39:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.76 Mbit/s

95th percentile per-packet one-way delay: 97.028 ms

Loss rate: 0.35%

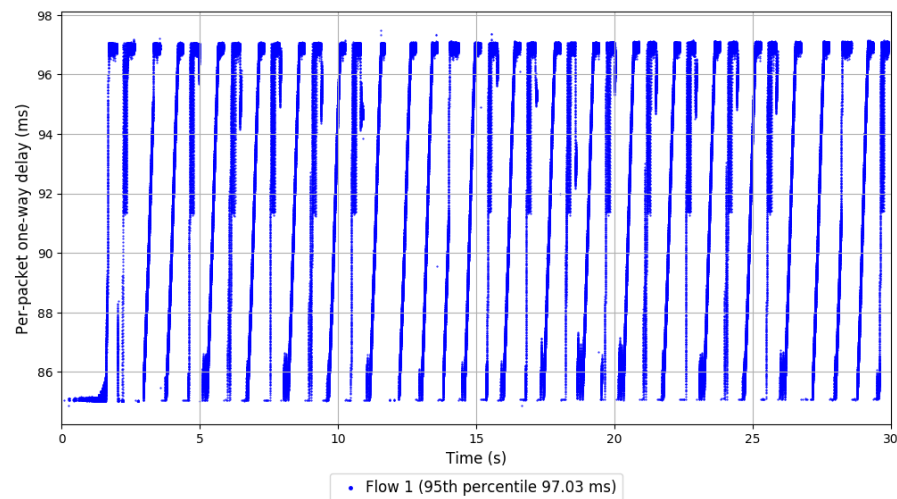
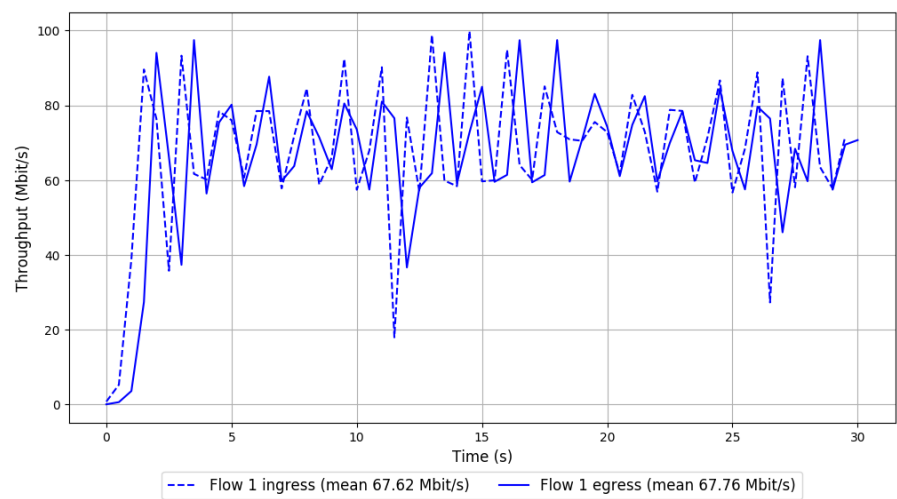
-- Flow 1:

Average throughput: 67.76 Mbit/s

95th percentile per-packet one-way delay: 97.028 ms

Loss rate: 0.35%

Run 7: Report of TCP BBR — Data Link

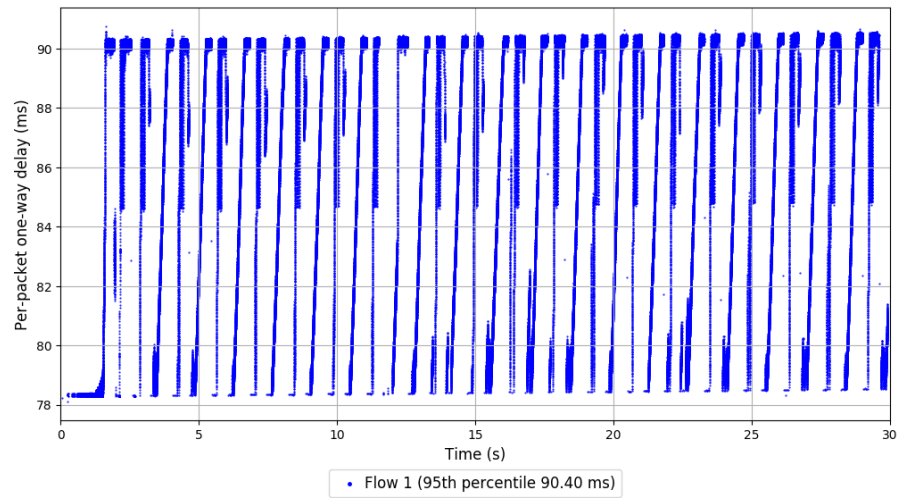
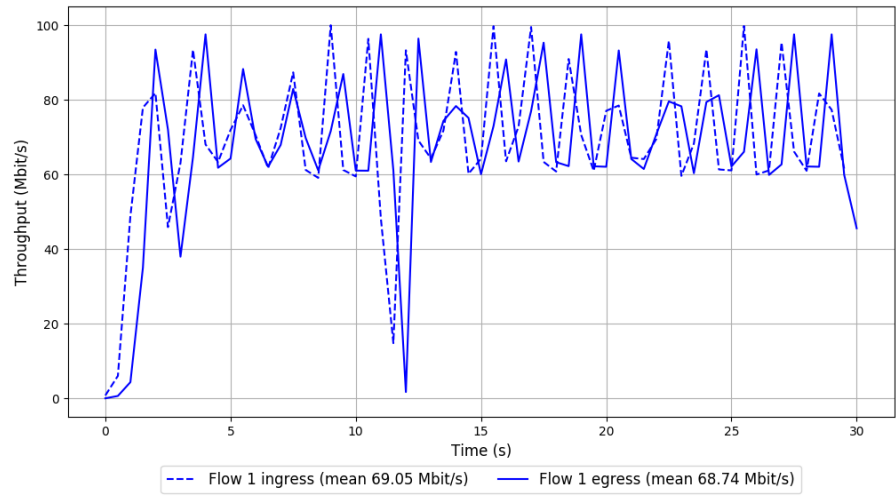


Run 8: Statistics of TCP BBR

Start at: 2018-06-05 21:44:34
End at: 2018-06-05 21:45:04
Local clock offset: -9.378 ms
Remote clock offset: 11.325 ms

Below is generated by plot.py at 2018-06-05 22:39:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.74 Mbit/s
95th percentile per-packet one-way delay: 90.396 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 68.74 Mbit/s
95th percentile per-packet one-way delay: 90.396 ms
Loss rate: 0.98%

Run 8: Report of TCP BBR — Data Link

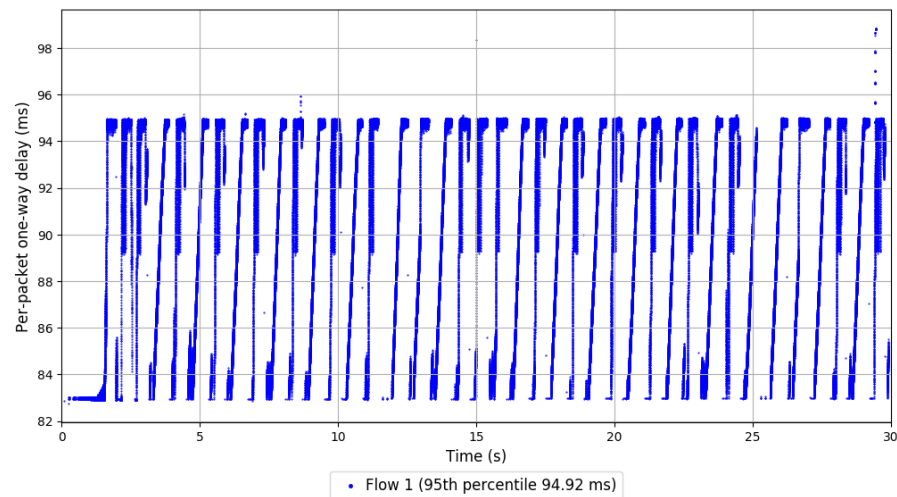
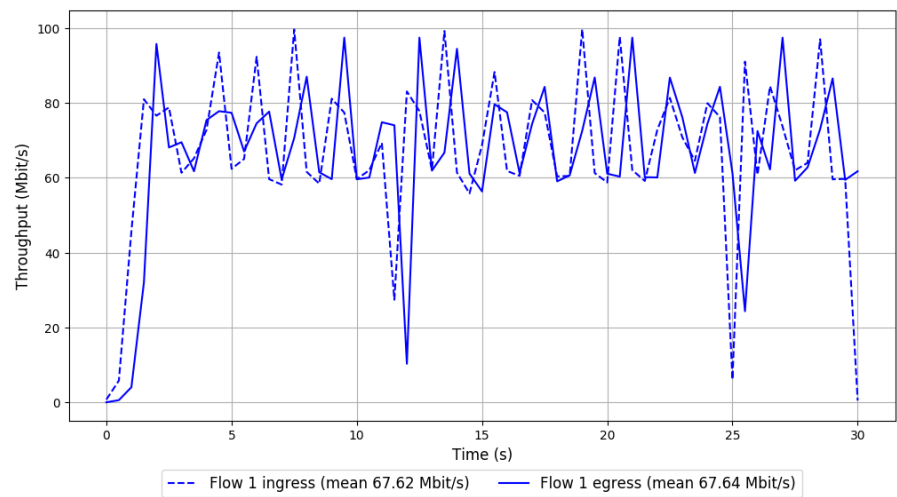


Run 9: Statistics of TCP BBR

Start at: 2018-06-05 22:03:11
End at: 2018-06-05 22:03:41
Local clock offset: -8.291 ms
Remote clock offset: 10.432 ms

Below is generated by plot.py at 2018-06-05 22:40:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.64 Mbit/s
95th percentile per-packet one-way delay: 94.917 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 67.64 Mbit/s
95th percentile per-packet one-way delay: 94.917 ms
Loss rate: 0.59%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-05 22:21:50

End at: 2018-06-05 22:22:20

Local clock offset: -6.522 ms

Remote clock offset: 9.894 ms

Below is generated by plot.py at 2018-06-05 22:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.44 Mbit/s

95th percentile per-packet one-way delay: 94.393 ms

Loss rate: 0.99%

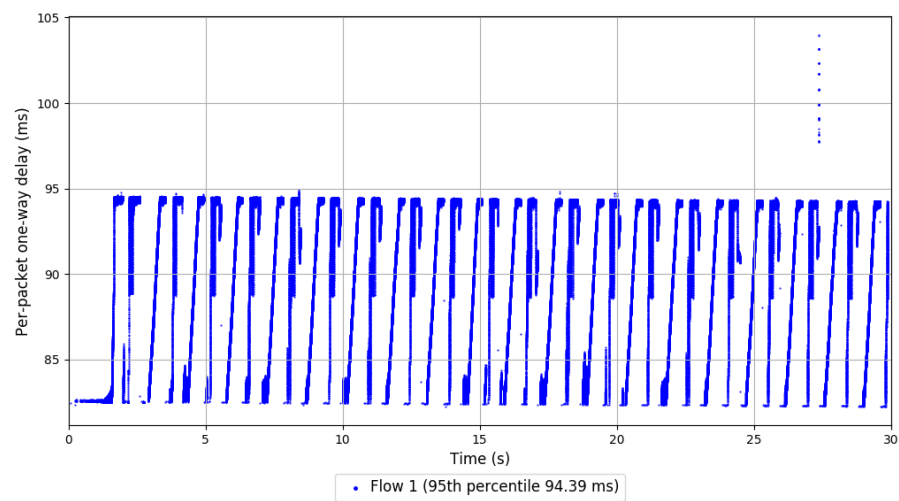
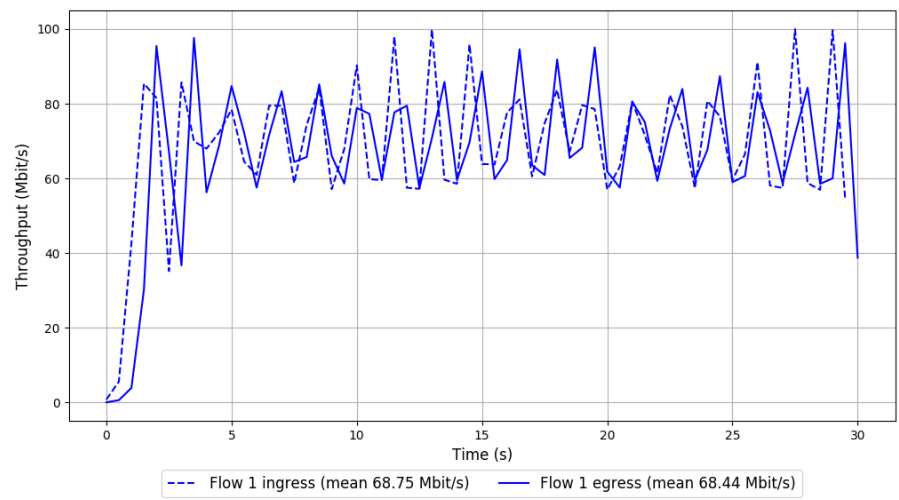
-- Flow 1:

Average throughput: 68.44 Mbit/s

95th percentile per-packet one-way delay: 94.393 ms

Loss rate: 0.99%

Run 10: Report of TCP BBR — Data Link

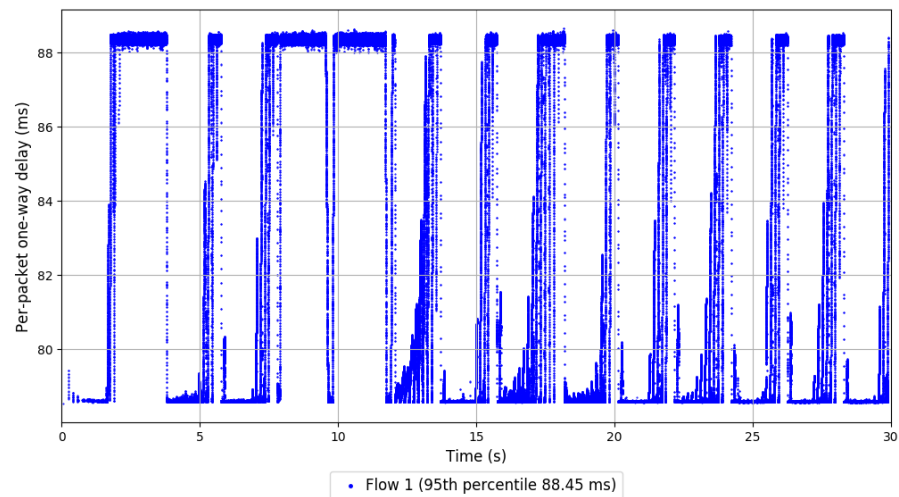
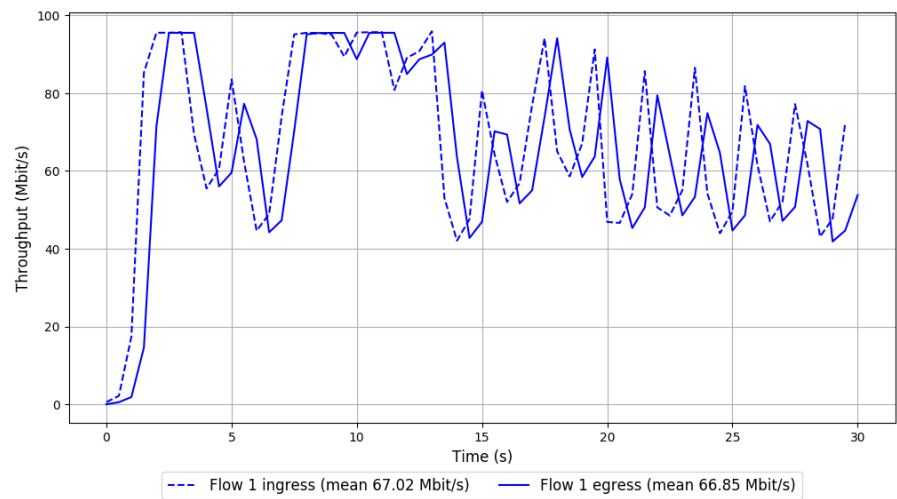


Run 1: Statistics of Copa

Start at: 2018-06-05 19:43:20
End at: 2018-06-05 19:43:50
Local clock offset: -1.706 ms
Remote clock offset: 16.161 ms

Below is generated by plot.py at 2018-06-05 22:41:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.85 Mbit/s
95th percentile per-packet one-way delay: 88.452 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 66.85 Mbit/s
95th percentile per-packet one-way delay: 88.452 ms
Loss rate: 0.79%

Run 1: Report of Copa — Data Link

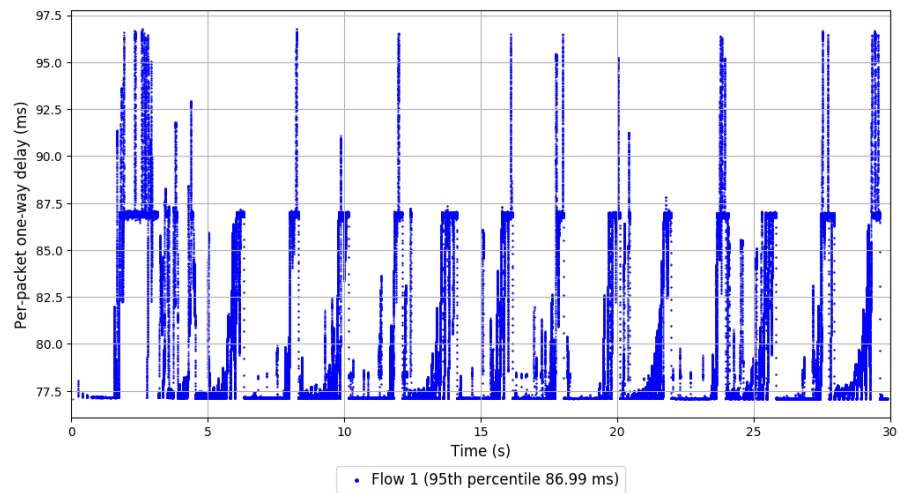
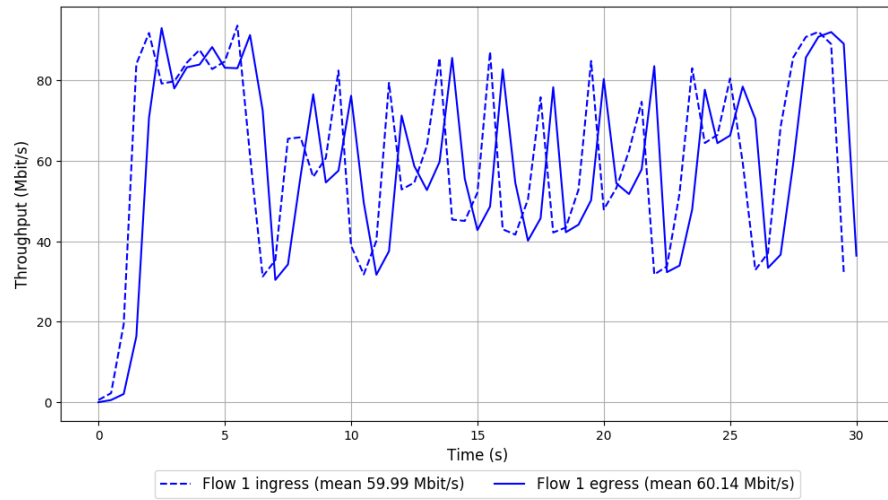


Run 2: Statistics of Copa

Start at: 2018-06-05 20:01:58
End at: 2018-06-05 20:02:28
Local clock offset: -2.504 ms
Remote clock offset: 14.38 ms

Below is generated by plot.py at 2018-06-05 22:41:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.14 Mbit/s
95th percentile per-packet one-way delay: 86.989 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 60.14 Mbit/s
95th percentile per-packet one-way delay: 86.989 ms
Loss rate: 0.30%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-06-05 20:20:35

End at: 2018-06-05 20:21:05

Local clock offset: -1.628 ms

Remote clock offset: 9.266 ms

Below is generated by plot.py at 2018-06-05 22:41:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.36 Mbit/s

95th percentile per-packet one-way delay: 94.376 ms

Loss rate: 0.58%

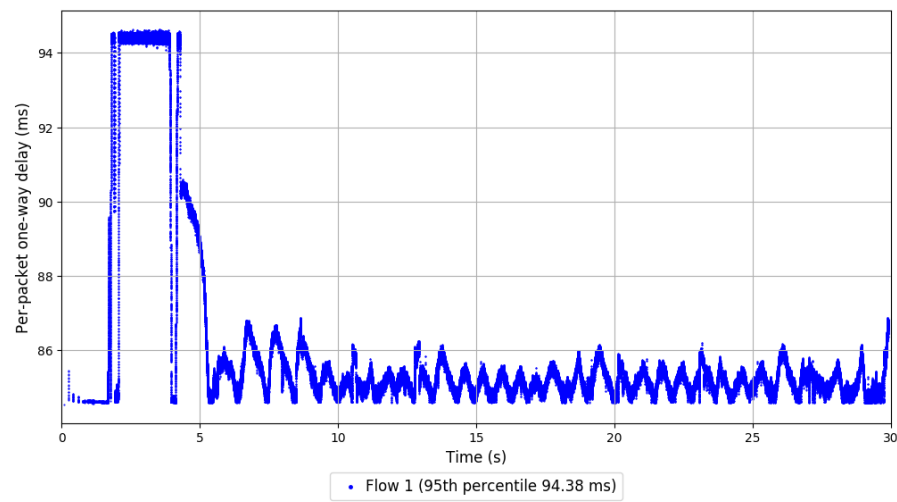
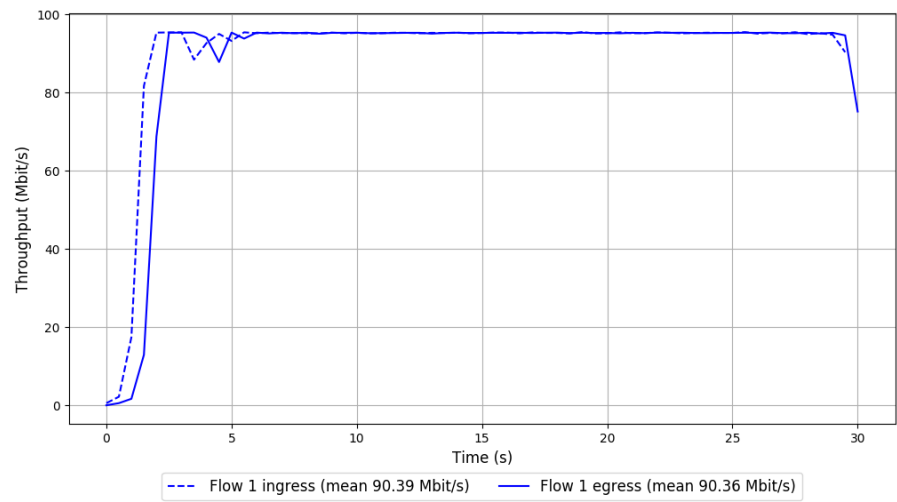
-- Flow 1:

Average throughput: 90.36 Mbit/s

95th percentile per-packet one-way delay: 94.376 ms

Loss rate: 0.58%

Run 3: Report of Copa — Data Link

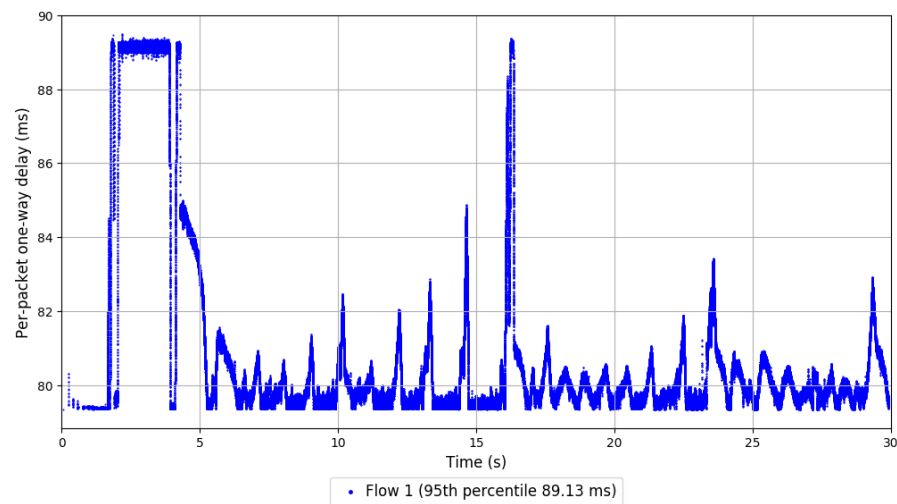
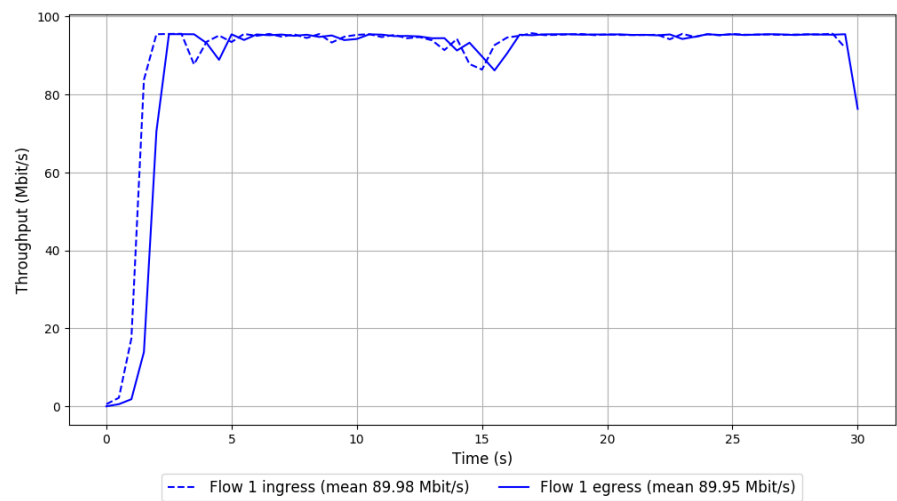


Run 4: Statistics of Copa

Start at: 2018-06-05 20:39:19
End at: 2018-06-05 20:39:49
Local clock offset: -4.13 ms
Remote clock offset: 12.105 ms

Below is generated by plot.py at 2018-06-05 22:41:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 89.127 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 89.127 ms
Loss rate: 0.58%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-05 20:57:58

End at: 2018-06-05 20:58:28

Local clock offset: -8.233 ms

Remote clock offset: 7.263 ms

Below is generated by plot.py at 2018-06-05 22:41:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.81 Mbit/s

95th percentile per-packet one-way delay: 87.896 ms

Loss rate: 0.38%

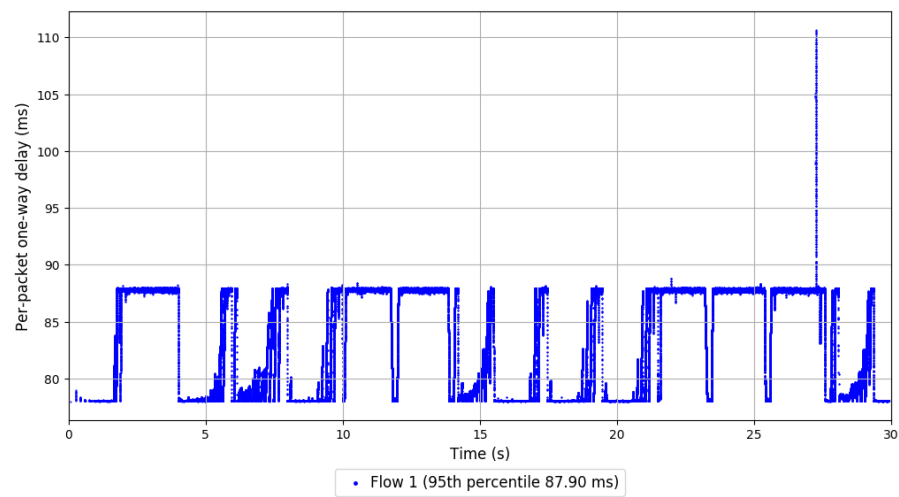
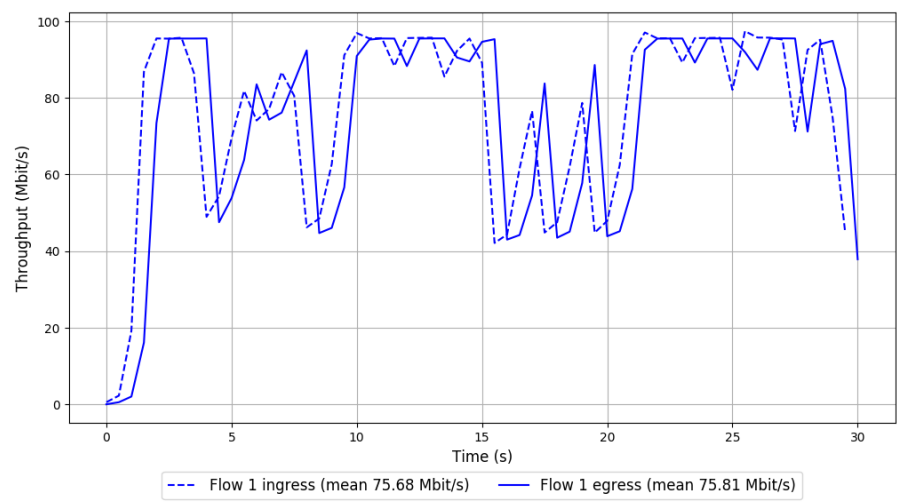
-- Flow 1:

Average throughput: 75.81 Mbit/s

95th percentile per-packet one-way delay: 87.896 ms

Loss rate: 0.38%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-05 21:16:36

End at: 2018-06-05 21:17:06

Local clock offset: -9.16 ms

Remote clock offset: 8.148 ms

Below is generated by plot.py at 2018-06-05 22:41:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.07 Mbit/s

95th percentile per-packet one-way delay: 87.972 ms

Loss rate: 0.63%

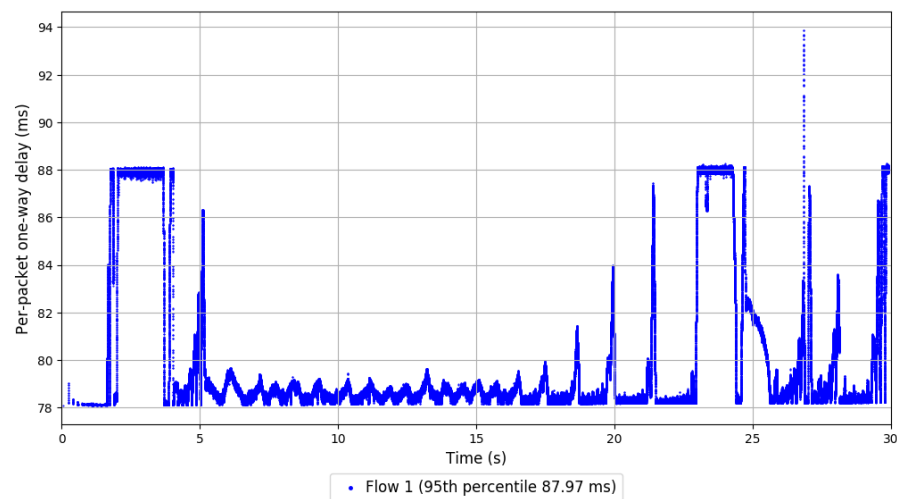
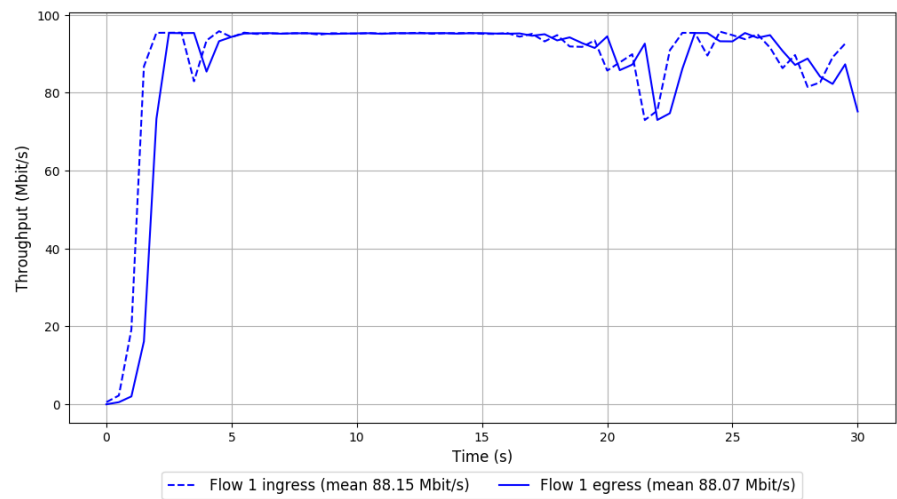
-- Flow 1:

Average throughput: 88.07 Mbit/s

95th percentile per-packet one-way delay: 87.972 ms

Loss rate: 0.63%

Run 6: Report of Copa — Data Link

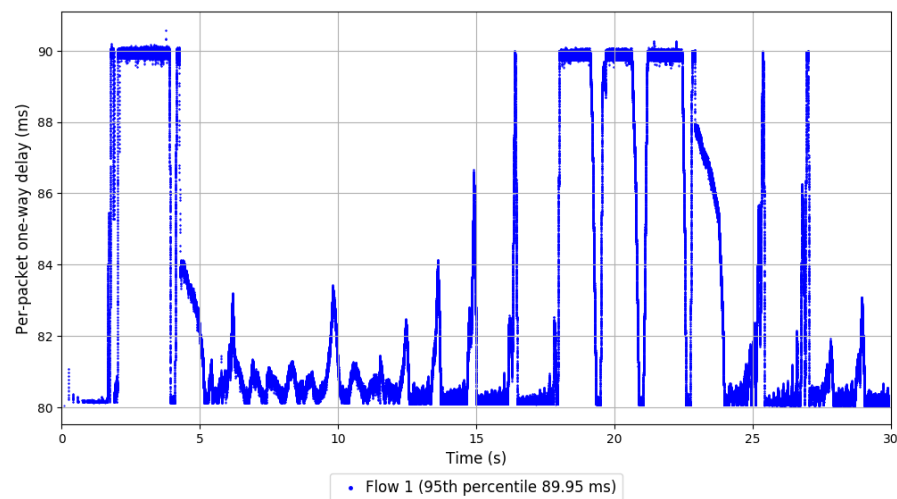
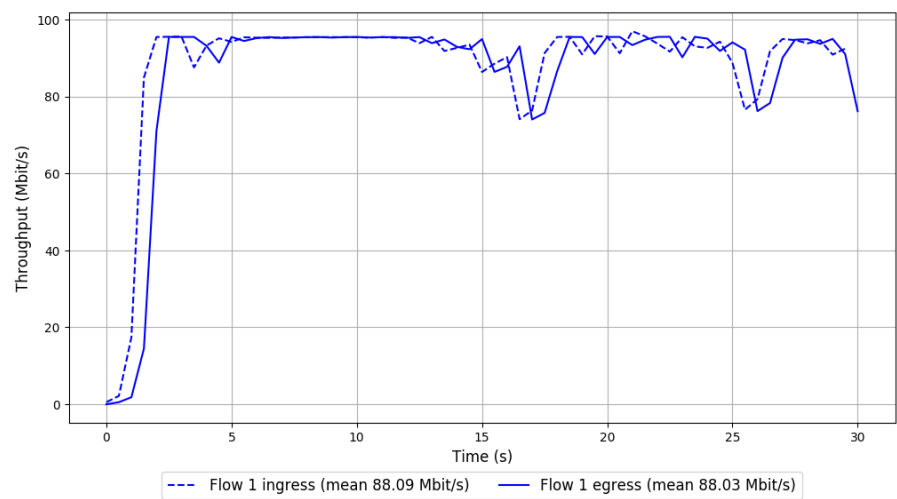


Run 7: Statistics of Copa

Start at: 2018-06-05 21:35:14
End at: 2018-06-05 21:35:44
Local clock offset: -10.592 ms
Remote clock offset: 8.508 ms

Below is generated by plot.py at 2018-06-05 22:42:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.03 Mbit/s
95th percentile per-packet one-way delay: 89.951 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 88.03 Mbit/s
95th percentile per-packet one-way delay: 89.951 ms
Loss rate: 0.61%

Run 7: Report of Copa — Data Link

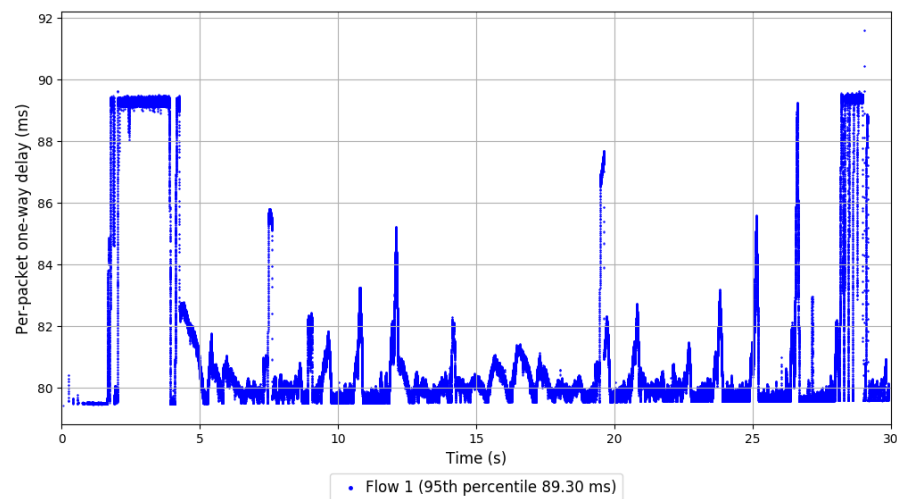
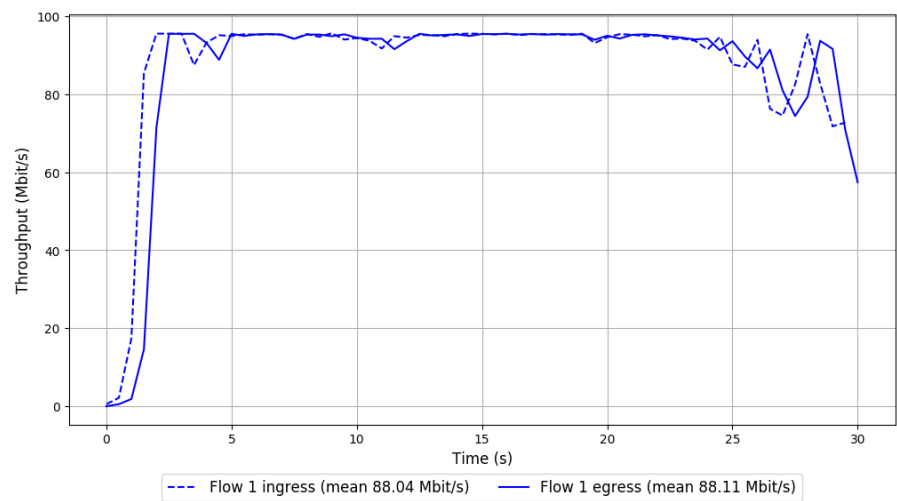


Run 8: Statistics of Copa

Start at: 2018-06-05 21:53:54
End at: 2018-06-05 21:54:24
Local clock offset: -7.48 ms
Remote clock offset: 14.934 ms

Below is generated by plot.py at 2018-06-05 22:42:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 89.297 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 89.297 ms
Loss rate: 0.46%

Run 8: Report of Copa — Data Link

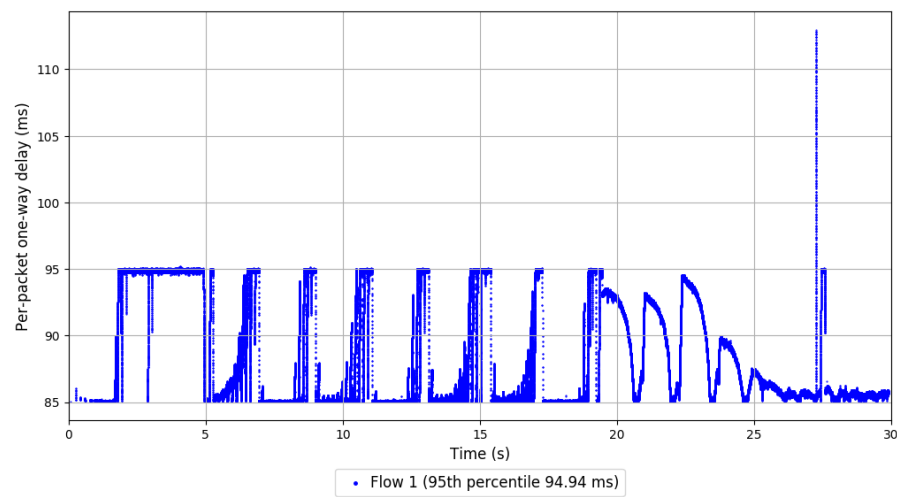
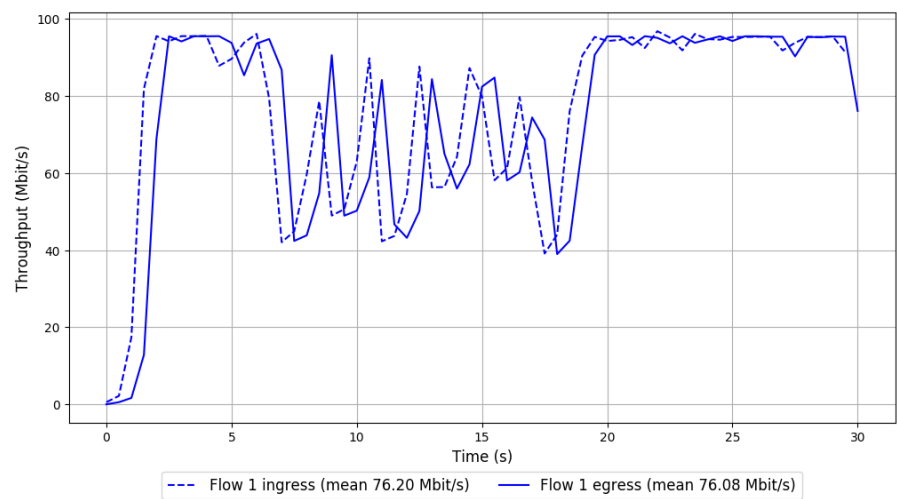


Run 9: Statistics of Copa

Start at: 2018-06-05 22:12:32
End at: 2018-06-05 22:13:02
Local clock offset: -7.549 ms
Remote clock offset: 11.334 ms

Below is generated by plot.py at 2018-06-05 22:42:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.08 Mbit/s
95th percentile per-packet one-way delay: 94.943 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 76.08 Mbit/s
95th percentile per-packet one-way delay: 94.943 ms
Loss rate: 0.70%

Run 9: Report of Copa — Data Link

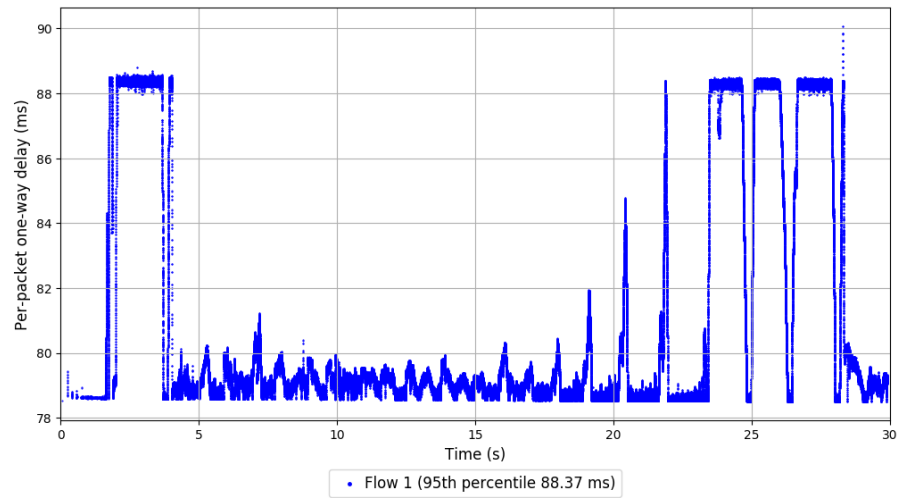
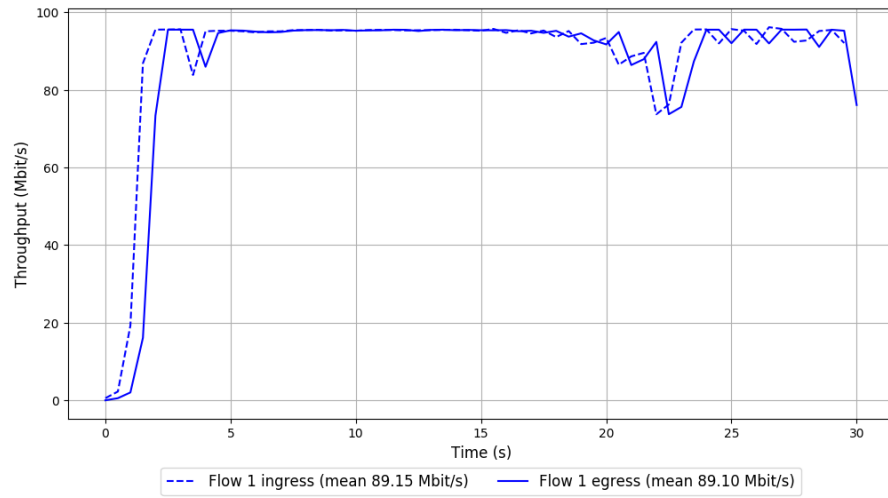


Run 10: Statistics of Copa

Start at: 2018-06-05 22:31:11
End at: 2018-06-05 22:31:41
Local clock offset: -6.466 ms
Remote clock offset: 10.367 ms

Below is generated by plot.py at 2018-06-05 22:43:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.10 Mbit/s
95th percentile per-packet one-way delay: 88.371 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 89.10 Mbit/s
95th percentile per-packet one-way delay: 88.371 ms
Loss rate: 0.60%

Run 10: Report of Copa — Data Link

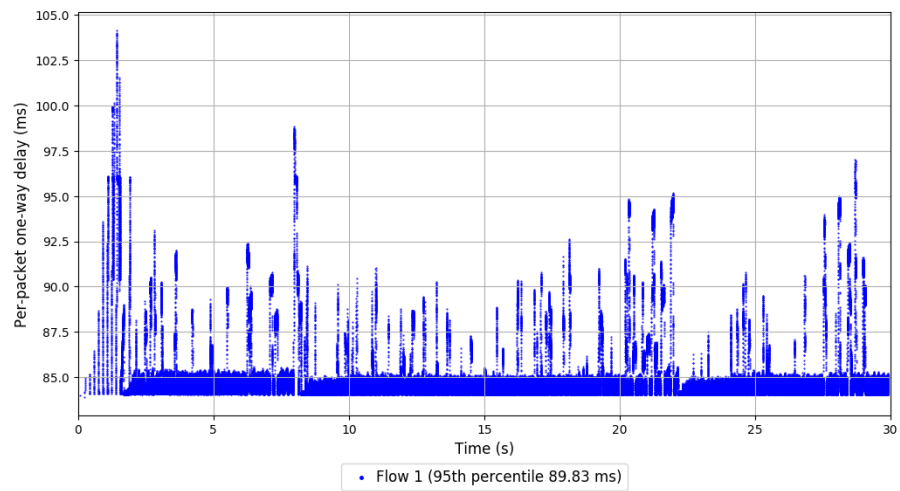
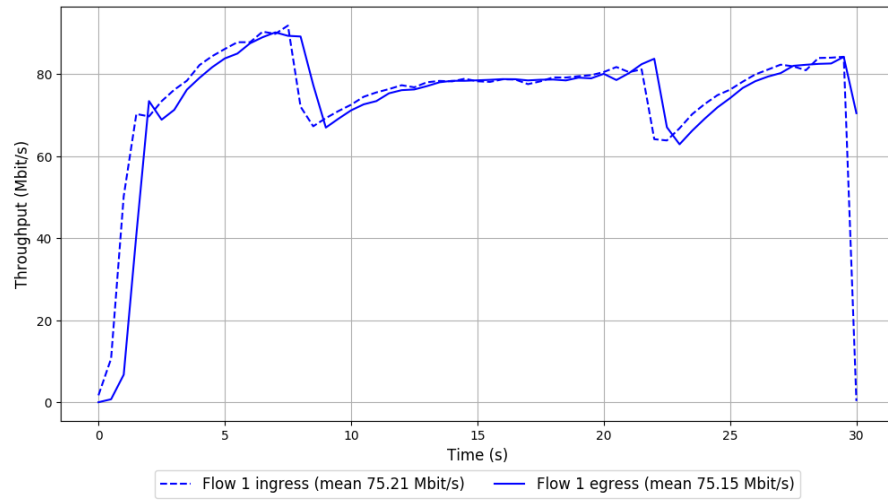


Run 1: Statistics of TCP Cubic

Start at: 2018-06-05 19:45:39
End at: 2018-06-05 19:46:09
Local clock offset: -1.696 ms
Remote clock offset: 11.051 ms

Below is generated by plot.py at 2018-06-05 22:43:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.15 Mbit/s
95th percentile per-packet one-way delay: 89.834 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 75.15 Mbit/s
95th percentile per-packet one-way delay: 89.834 ms
Loss rate: 0.63%

Run 1: Report of TCP Cubic — Data Link

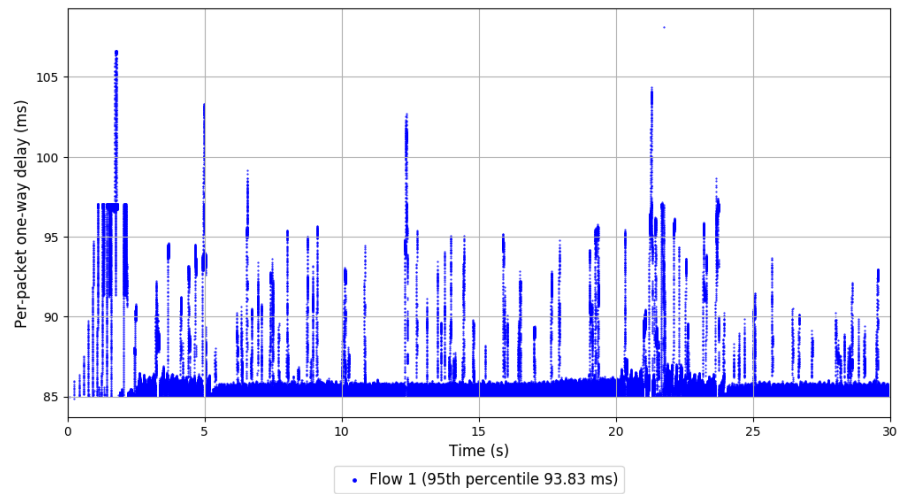
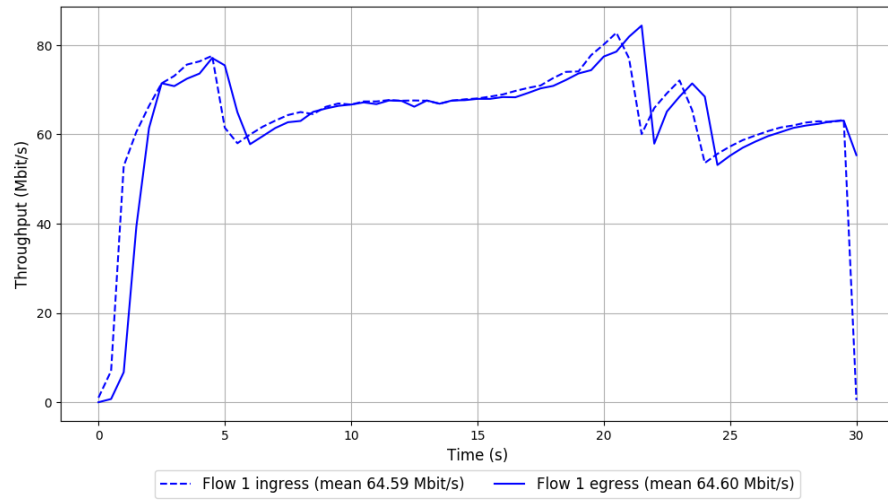


Run 2: Statistics of TCP Cubic

Start at: 2018-06-05 20:04:17
End at: 2018-06-05 20:04:47
Local clock offset: -0.928 ms
Remote clock offset: 10.206 ms

Below is generated by plot.py at 2018-06-05 22:43:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.60 Mbit/s
95th percentile per-packet one-way delay: 93.827 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 64.60 Mbit/s
95th percentile per-packet one-way delay: 93.827 ms
Loss rate: 0.54%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-06-05 20:22:55

End at: 2018-06-05 20:23:25

Local clock offset: -1.671 ms

Remote clock offset: 8.138 ms

Below is generated by plot.py at 2018-06-05 22:43:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.76 Mbit/s

95th percentile per-packet one-way delay: 90.334 ms

Loss rate: 0.69%

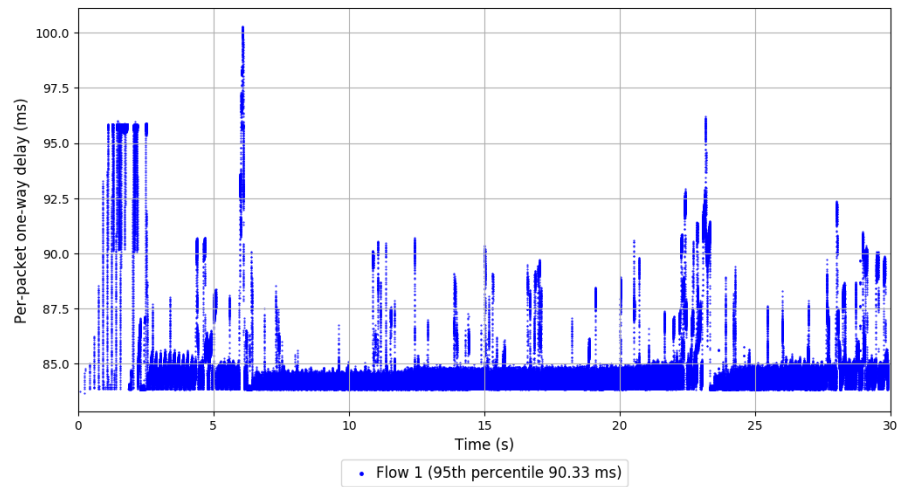
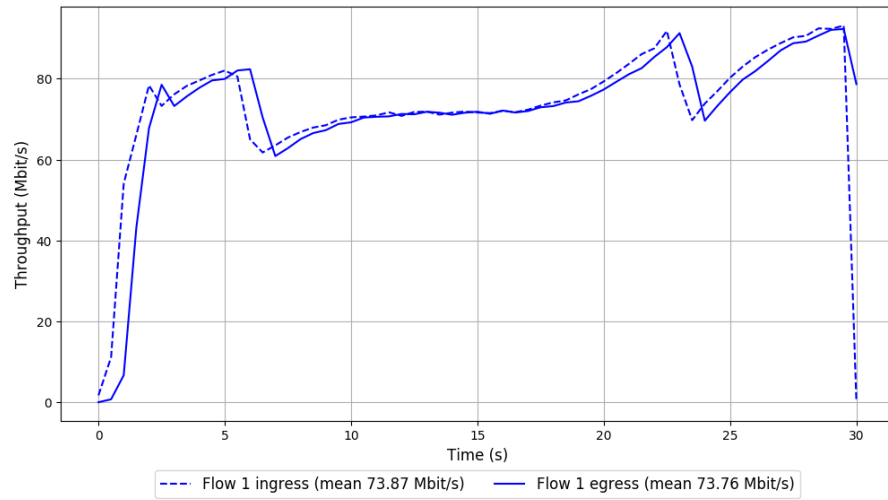
-- Flow 1:

Average throughput: 73.76 Mbit/s

95th percentile per-packet one-way delay: 90.334 ms

Loss rate: 0.69%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-05 20:41:40

End at: 2018-06-05 20:42:10

Local clock offset: -4.837 ms

Remote clock offset: 5.136 ms

Below is generated by plot.py at 2018-06-05 22:43:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.71 Mbit/s

95th percentile per-packet one-way delay: 94.118 ms

Loss rate: 0.36%

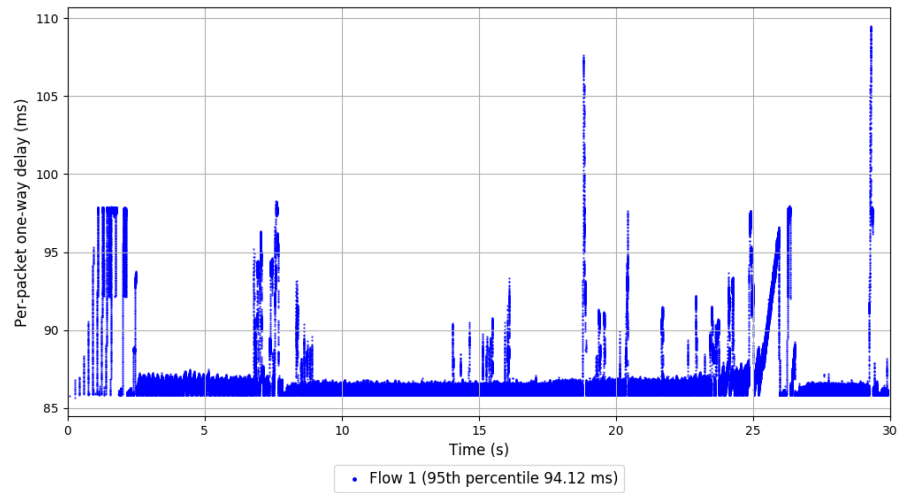
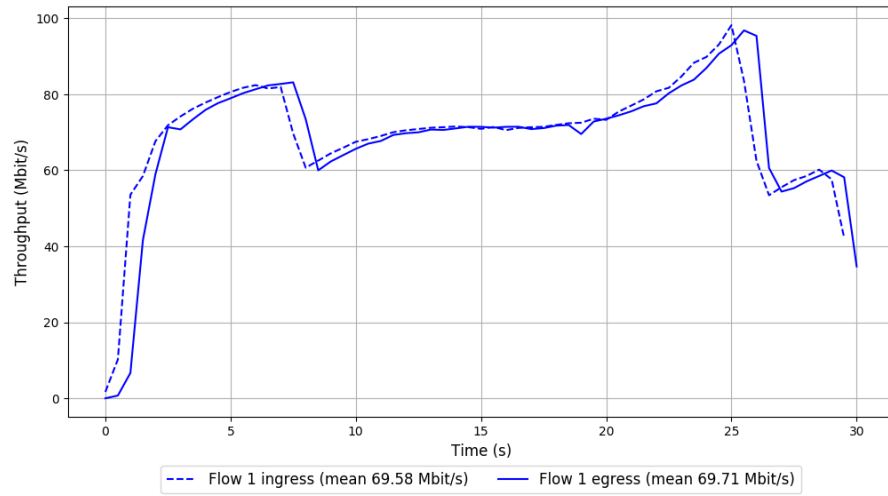
-- Flow 1:

Average throughput: 69.71 Mbit/s

95th percentile per-packet one-way delay: 94.118 ms

Loss rate: 0.36%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-05 21:00:17

End at: 2018-06-05 21:00:47

Local clock offset: -8.547 ms

Remote clock offset: 5.875 ms

Below is generated by plot.py at 2018-06-05 22:43:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.70 Mbit/s

95th percentile per-packet one-way delay: 84.486 ms

Loss rate: 0.47%

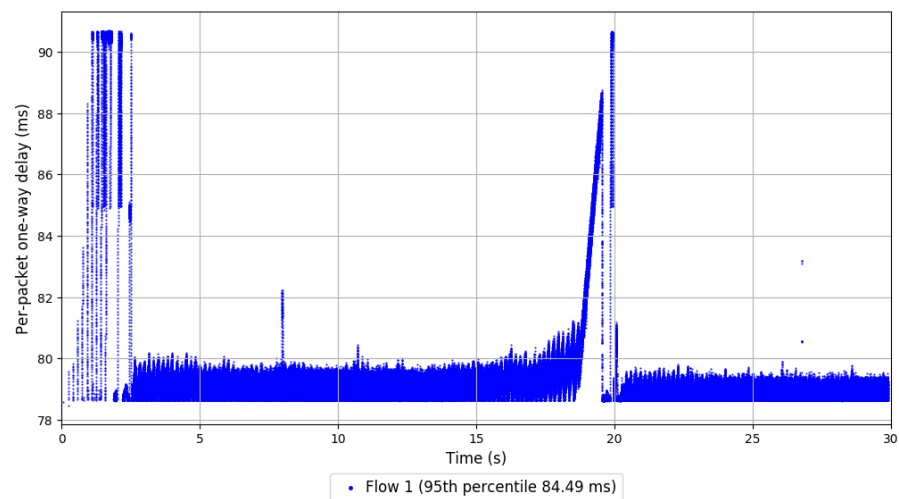
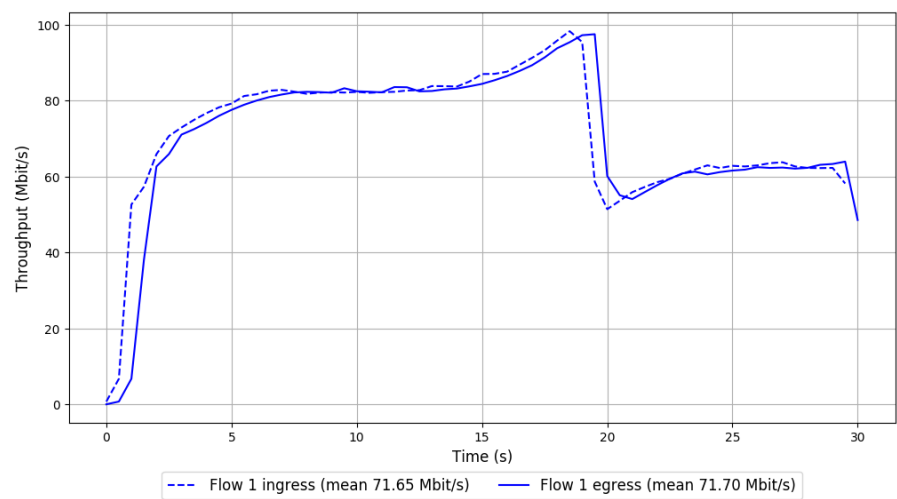
-- Flow 1:

Average throughput: 71.70 Mbit/s

95th percentile per-packet one-way delay: 84.486 ms

Loss rate: 0.47%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-05 21:18:56

End at: 2018-06-05 21:19:26

Local clock offset: -9.311 ms

Remote clock offset: 3.581 ms

Below is generated by plot.py at 2018-06-05 22:43:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.29 Mbit/s

95th percentile per-packet one-way delay: 89.160 ms

Loss rate: 0.48%

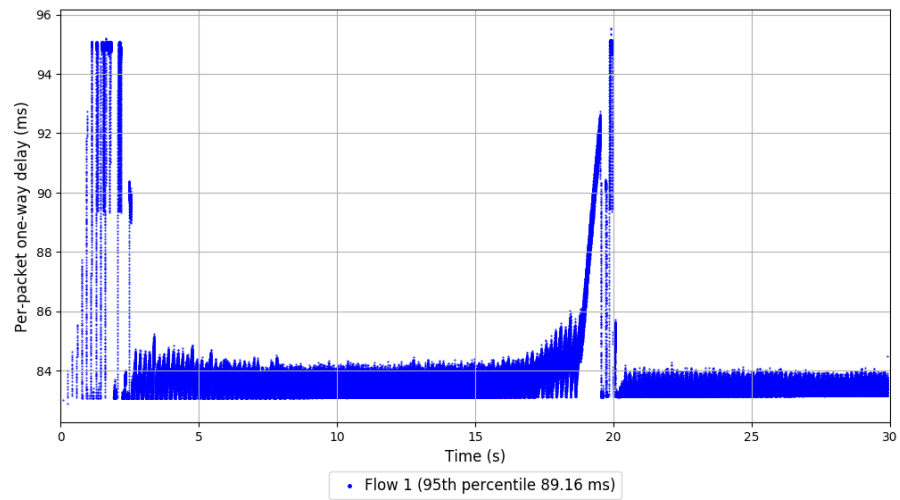
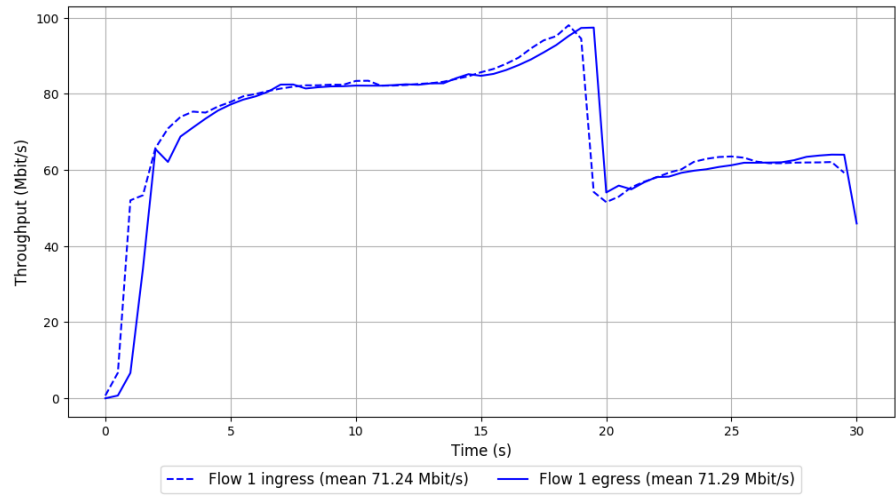
-- Flow 1:

Average throughput: 71.29 Mbit/s

95th percentile per-packet one-way delay: 89.160 ms

Loss rate: 0.48%

Run 6: Report of TCP Cubic — Data Link

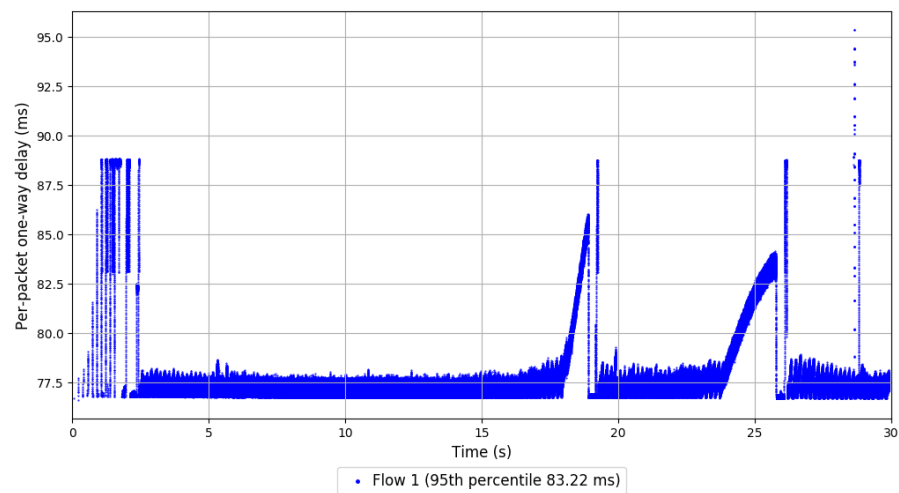
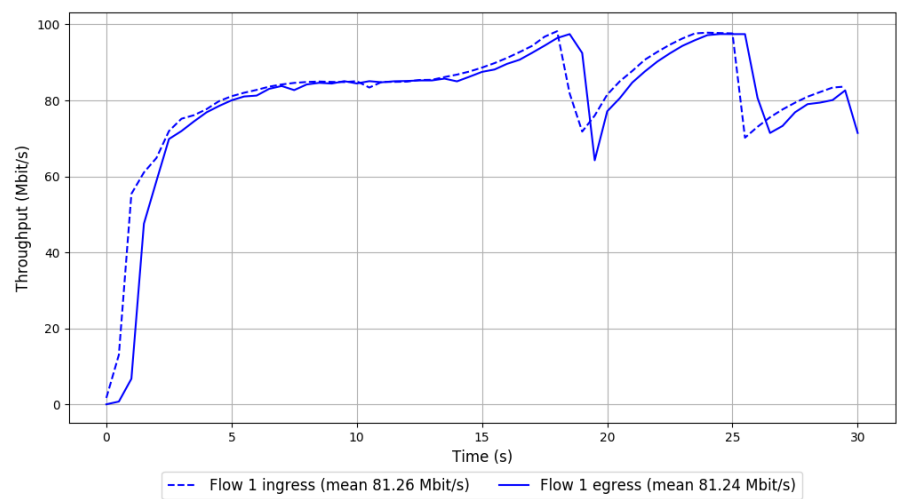


Run 7: Statistics of TCP Cubic

Start at: 2018-06-05 21:37:35
End at: 2018-06-05 21:38:05
Local clock offset: -10.185 ms
Remote clock offset: 9.706 ms

Below is generated by plot.py at 2018-06-05 22:43:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.24 Mbit/s
95th percentile per-packet one-way delay: 83.215 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 81.24 Mbit/s
95th percentile per-packet one-way delay: 83.215 ms
Loss rate: 0.57%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-05 21:56:14

End at: 2018-06-05 21:56:44

Local clock offset: -7.473 ms

Remote clock offset: 9.328 ms

Below is generated by plot.py at 2018-06-05 22:43:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.85 Mbit/s

95th percentile per-packet one-way delay: 90.633 ms

Loss rate: 0.57%

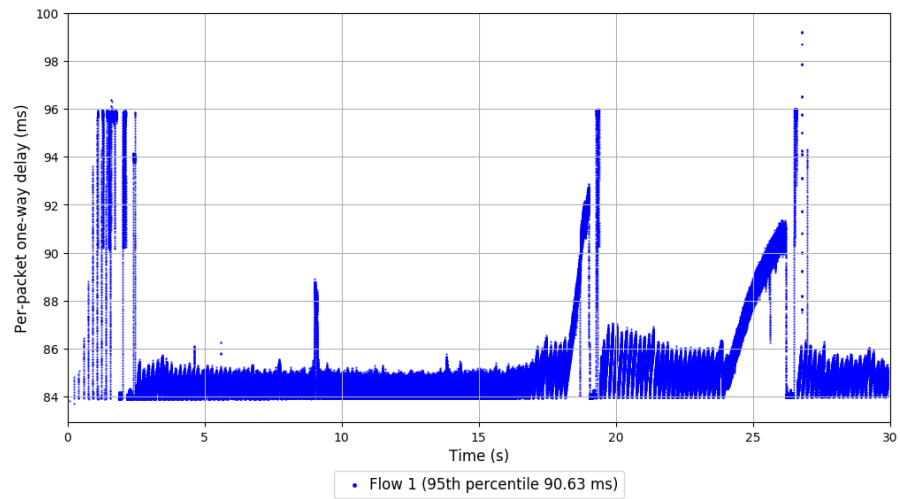
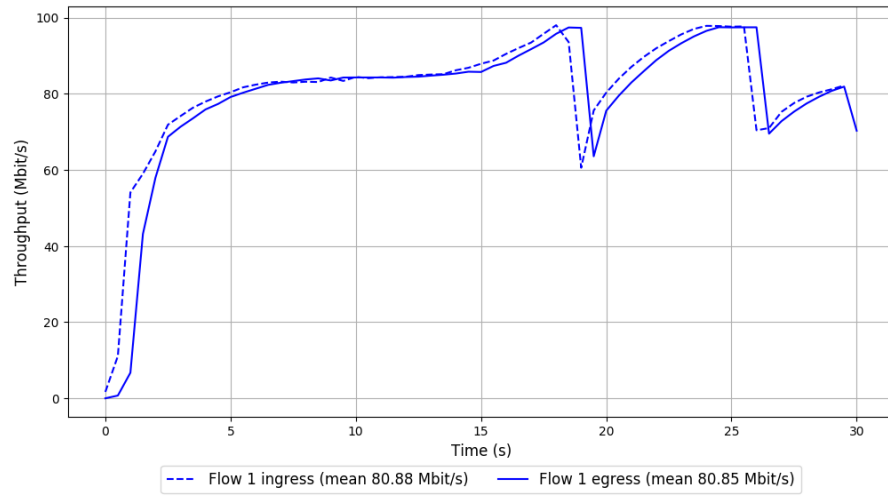
-- Flow 1:

Average throughput: 80.85 Mbit/s

95th percentile per-packet one-way delay: 90.633 ms

Loss rate: 0.57%

Run 8: Report of TCP Cubic — Data Link

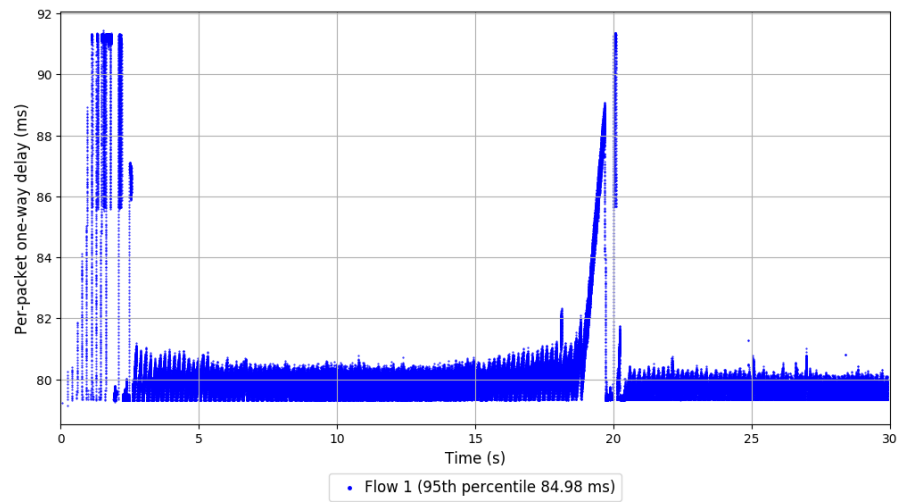
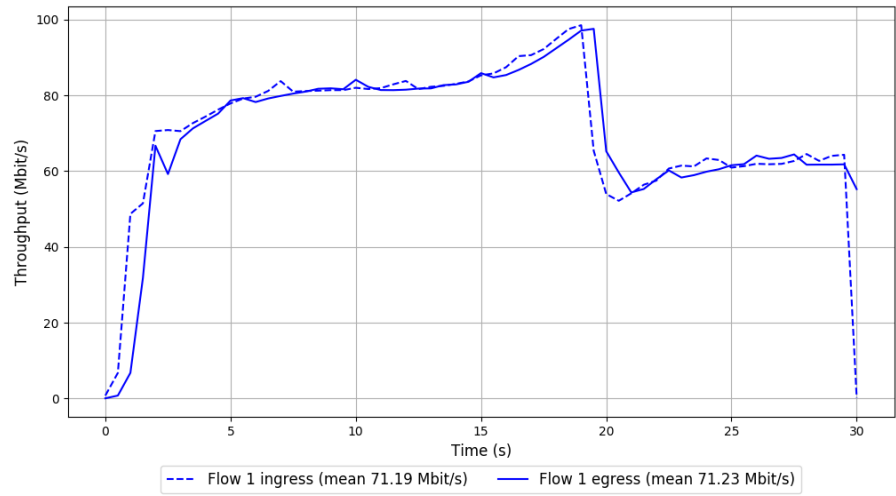


Run 9: Statistics of TCP Cubic

Start at: 2018-06-05 22:14:52
End at: 2018-06-05 22:15:22
Local clock offset: -8.211 ms
Remote clock offset: 16.612 ms

Below is generated by plot.py at 2018-06-05 22:43:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.23 Mbit/s
95th percentile per-packet one-way delay: 84.979 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 71.23 Mbit/s
95th percentile per-packet one-way delay: 84.979 ms
Loss rate: 0.51%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-05 22:33:32

End at: 2018-06-05 22:34:02

Local clock offset: -6.526 ms

Remote clock offset: 5.771 ms

Below is generated by plot.py at 2018-06-05 22:43:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.01 Mbit/s

95th percentile per-packet one-way delay: 85.979 ms

Loss rate: 0.64%

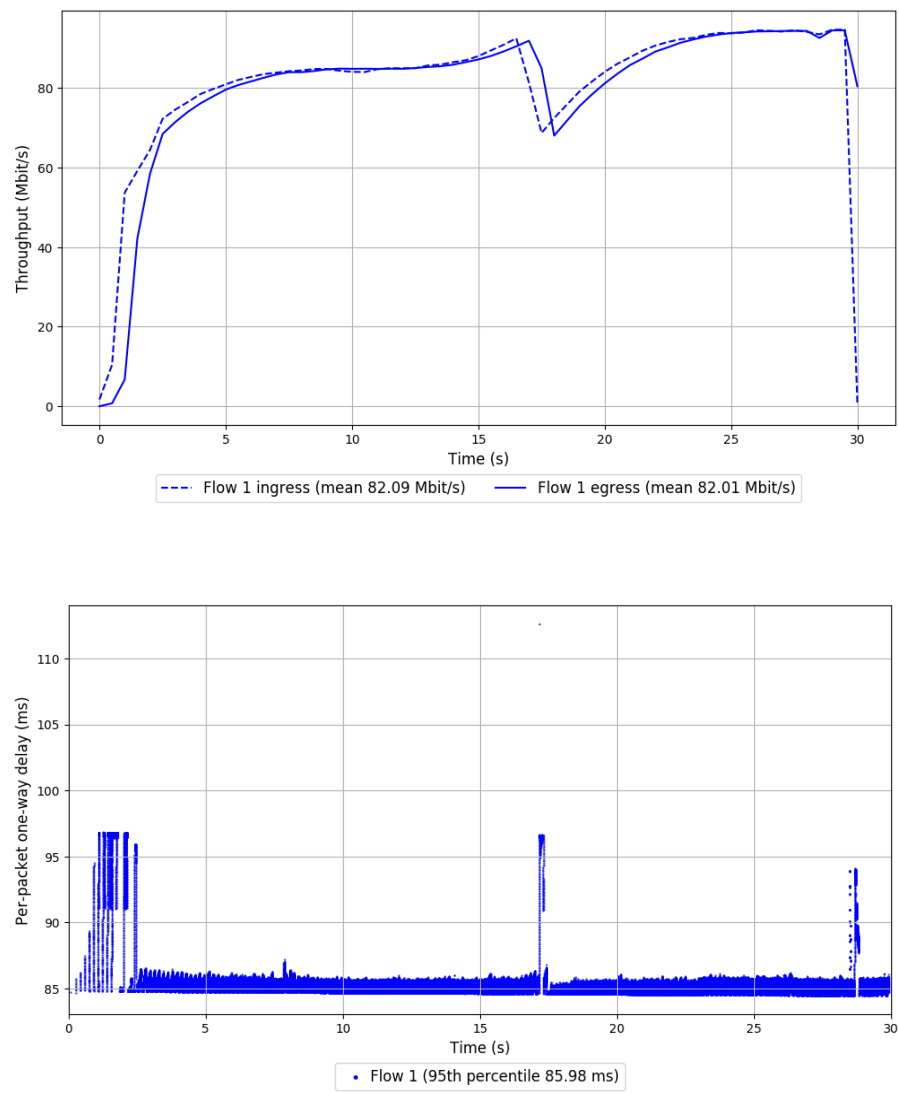
-- Flow 1:

Average throughput: 82.01 Mbit/s

95th percentile per-packet one-way delay: 85.979 ms

Loss rate: 0.64%

Run 10: Report of TCP Cubic — Data Link

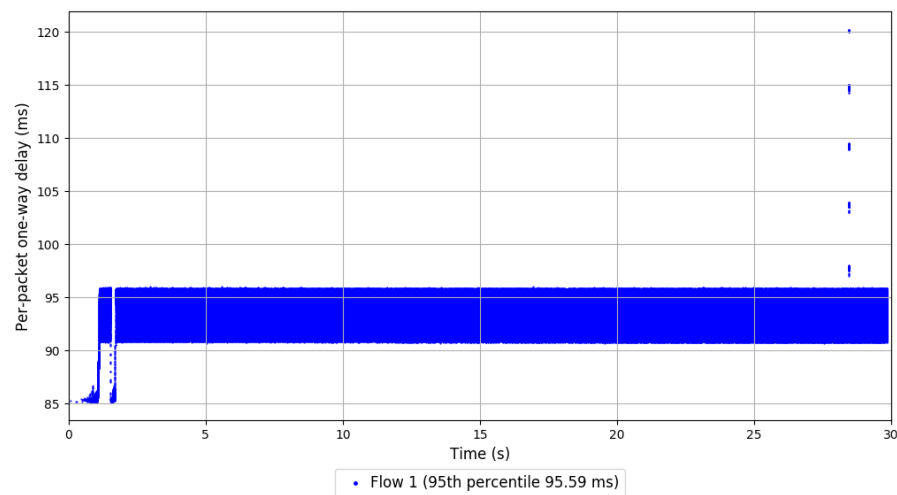
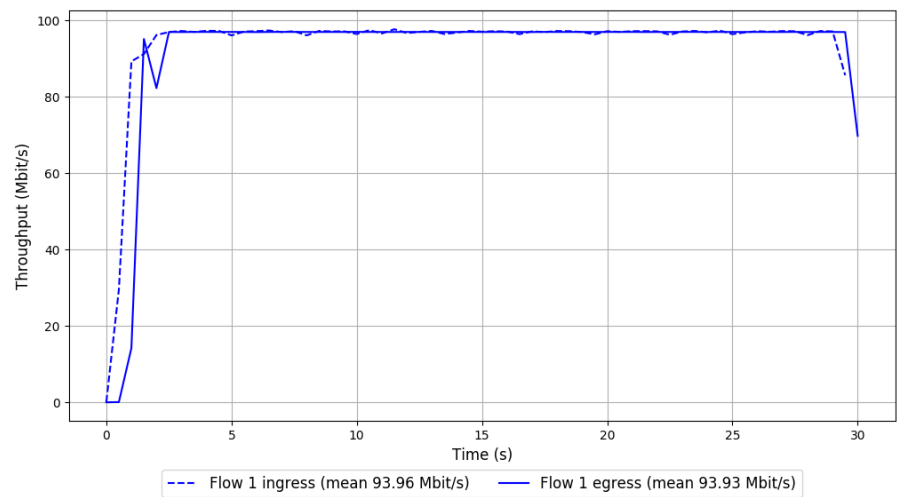


Run 1: Statistics of FillP

Start at: 2018-06-05 19:38:36
End at: 2018-06-05 19:39:06
Local clock offset: -1.732 ms
Remote clock offset: 10.453 ms

Below is generated by plot.py at 2018-06-05 22:44:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 95.594 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 95.594 ms
Loss rate: 0.60%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-05 19:57:14

End at: 2018-06-05 19:57:44

Local clock offset: -0.915 ms

Remote clock offset: 9.642 ms

Below is generated by plot.py at 2018-06-05 22:44:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.81 Mbit/s

95th percentile per-packet one-way delay: 96.065 ms

Loss rate: 0.59%

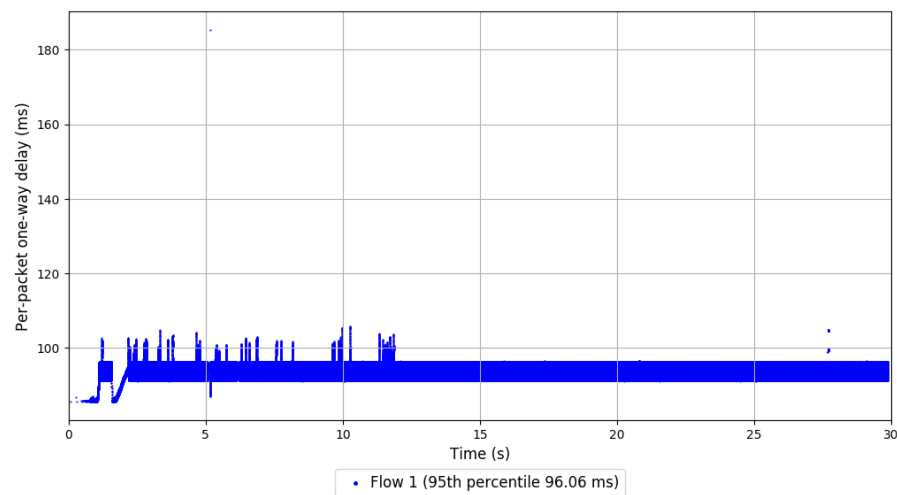
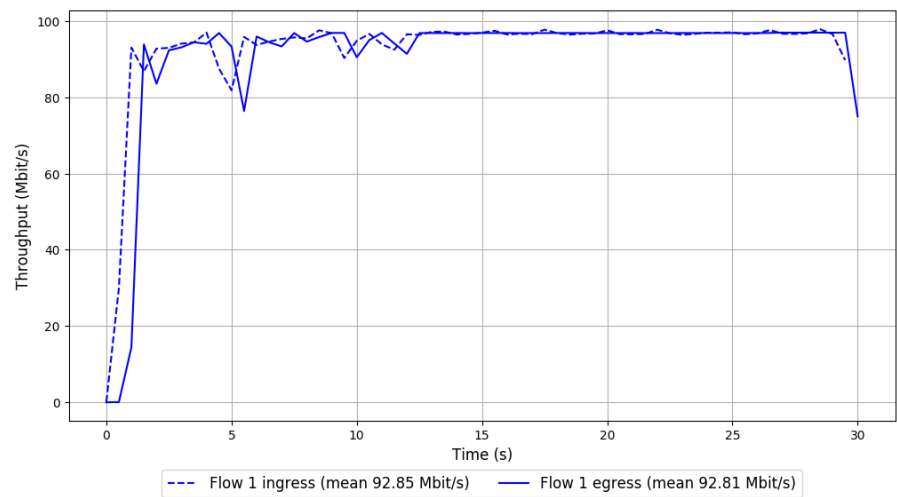
-- Flow 1:

Average throughput: 92.81 Mbit/s

95th percentile per-packet one-way delay: 96.065 ms

Loss rate: 0.59%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-06-05 20:15:51

End at: 2018-06-05 20:16:21

Local clock offset: -1.508 ms

Remote clock offset: 8.459 ms

Below is generated by plot.py at 2018-06-05 22:44:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.61 Mbit/s

95th percentile per-packet one-way delay: 93.843 ms

Loss rate: 0.61%

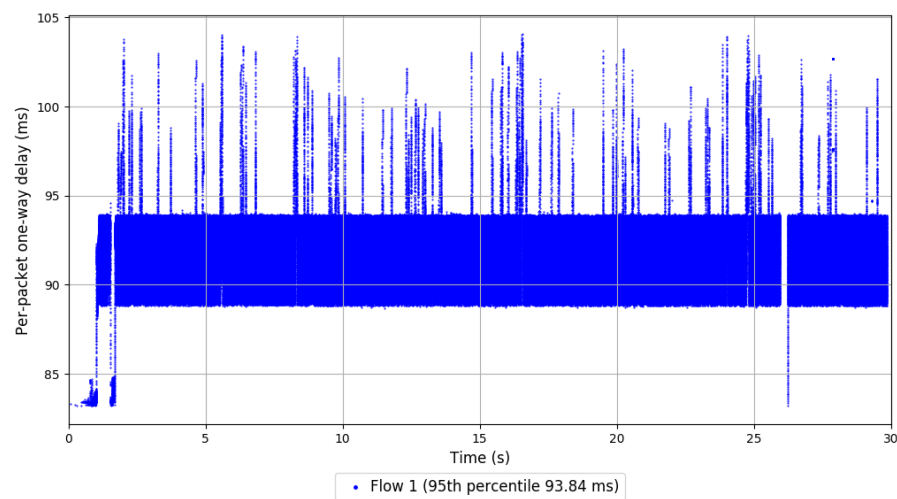
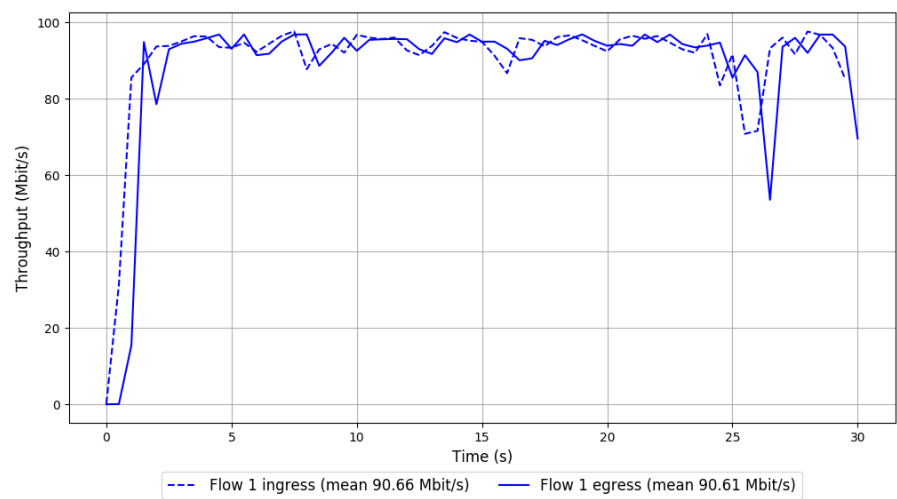
-- Flow 1:

Average throughput: 90.61 Mbit/s

95th percentile per-packet one-way delay: 93.843 ms

Loss rate: 0.61%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-06-05 20:34:30

End at: 2018-06-05 20:35:00

Local clock offset: -2.945 ms

Remote clock offset: 7.839 ms

Below is generated by plot.py at 2018-06-05 22:44:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 95.729 ms

Loss rate: 0.60%

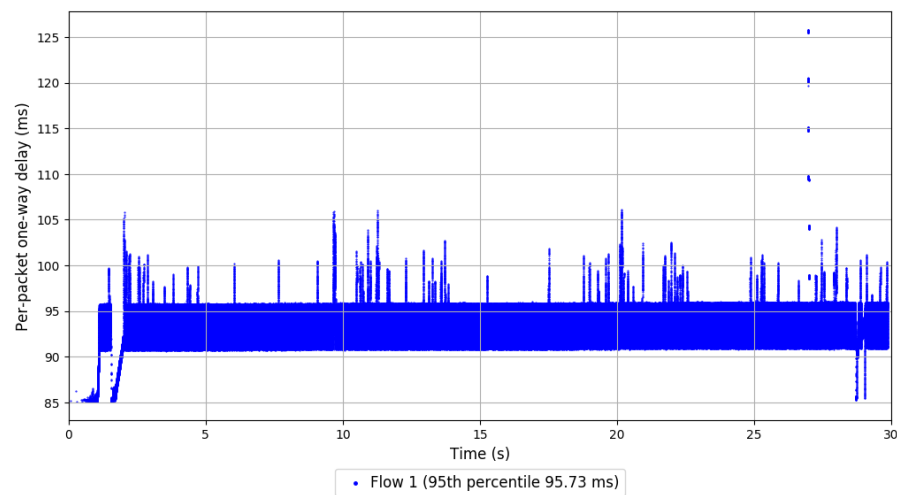
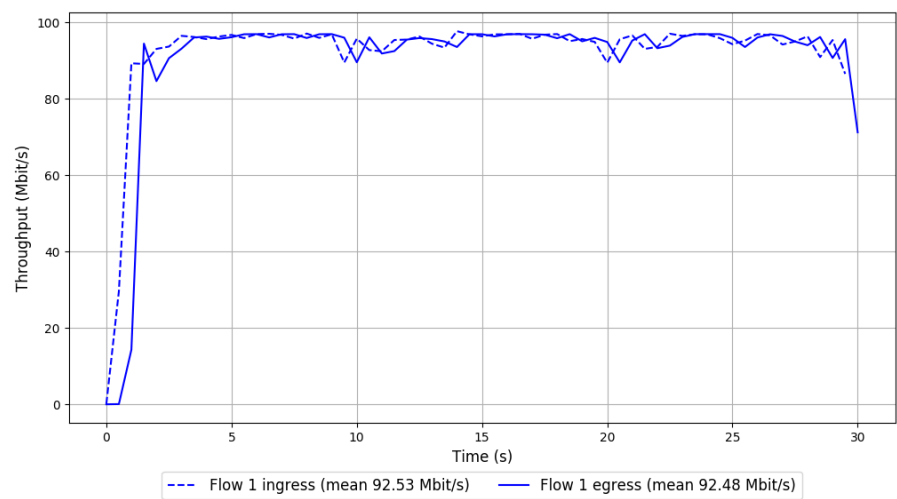
-- Flow 1:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 95.729 ms

Loss rate: 0.60%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-05 20:53:14

End at: 2018-06-05 20:53:44

Local clock offset: -8.555 ms

Remote clock offset: 2.79 ms

Below is generated by plot.py at 2018-06-05 22:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.99 Mbit/s

95th percentile per-packet one-way delay: 92.103 ms

Loss rate: 0.59%

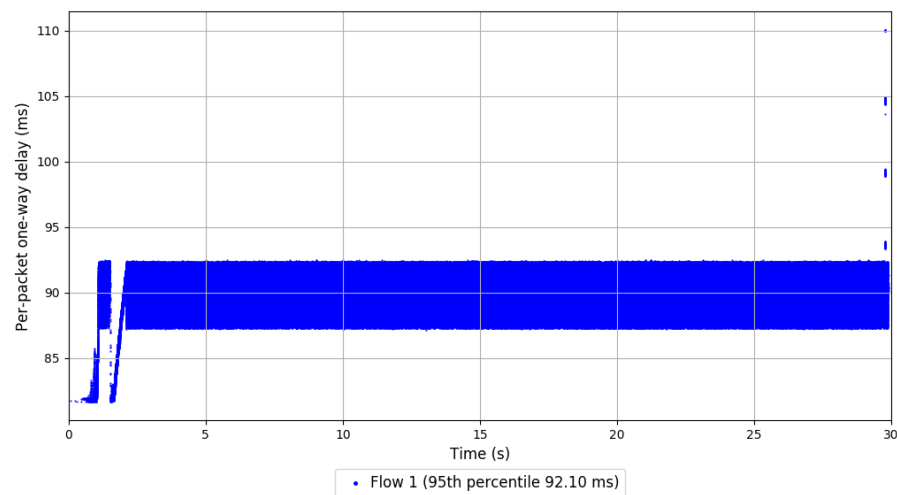
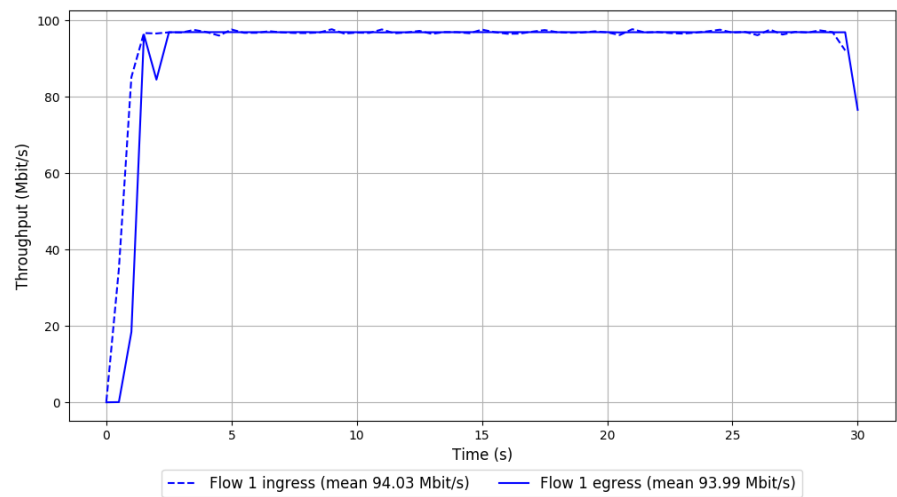
-- Flow 1:

Average throughput: 93.99 Mbit/s

95th percentile per-packet one-way delay: 92.103 ms

Loss rate: 0.59%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-05 21:11:51

End at: 2018-06-05 21:12:21

Local clock offset: -9.723 ms

Remote clock offset: 1.897 ms

Below is generated by plot.py at 2018-06-05 22:45:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.99 Mbit/s

95th percentile per-packet one-way delay: 92.738 ms

Loss rate: 0.58%

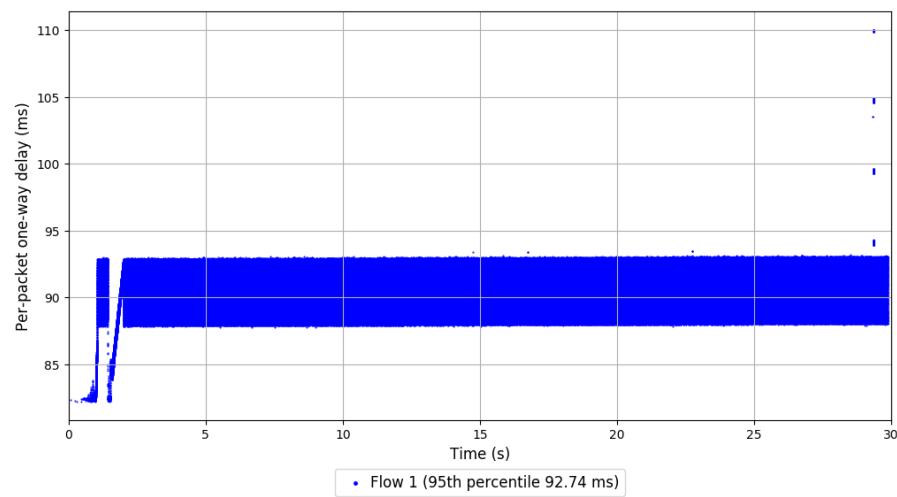
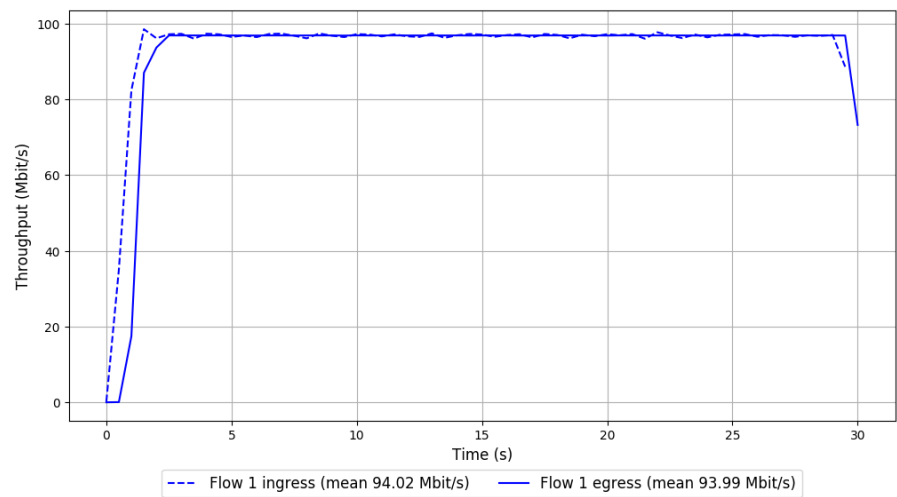
-- Flow 1:

Average throughput: 93.99 Mbit/s

95th percentile per-packet one-way delay: 92.738 ms

Loss rate: 0.58%

Run 6: Report of FillP — Data Link

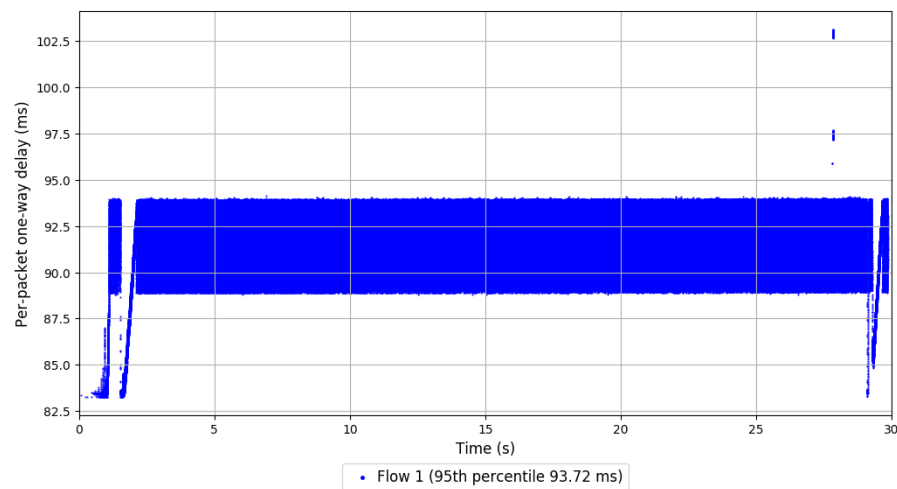
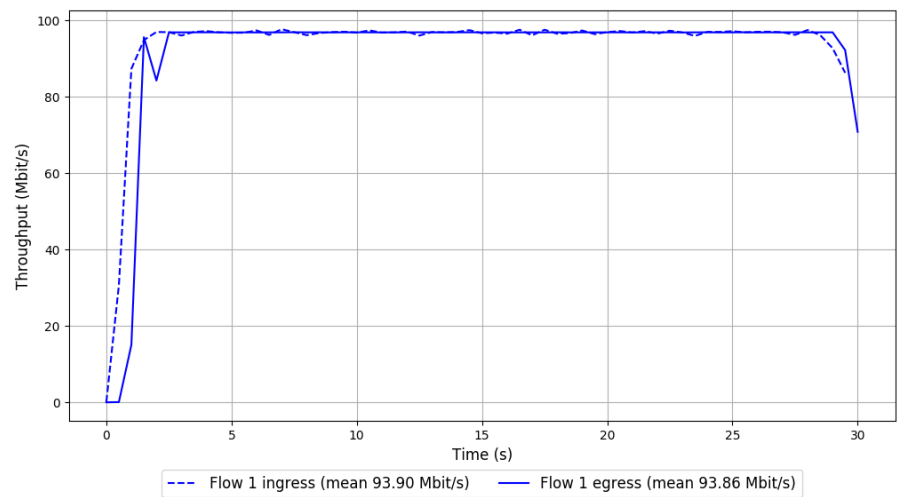


Run 7: Statistics of FillP

Start at: 2018-06-05 21:30:30
End at: 2018-06-05 21:31:00
Local clock offset: -10.694 ms
Remote clock offset: 5.553 ms

Below is generated by plot.py at 2018-06-05 22:45:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 93.725 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 93.725 ms
Loss rate: 0.59%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-06-05 21:49:10

End at: 2018-06-05 21:49:40

Local clock offset: -7.563 ms

Remote clock offset: 7.347 ms

Below is generated by plot.py at 2018-06-05 22:45:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.92 Mbit/s

95th percentile per-packet one-way delay: 94.017 ms

Loss rate: 0.59%

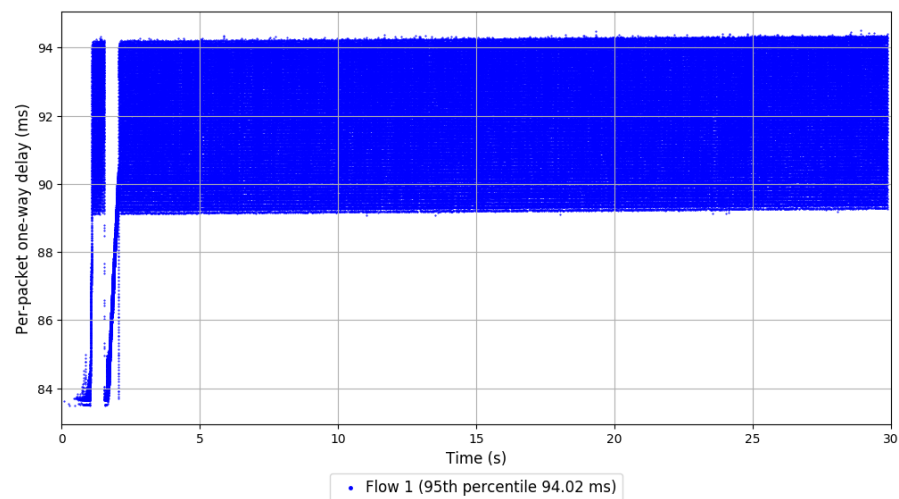
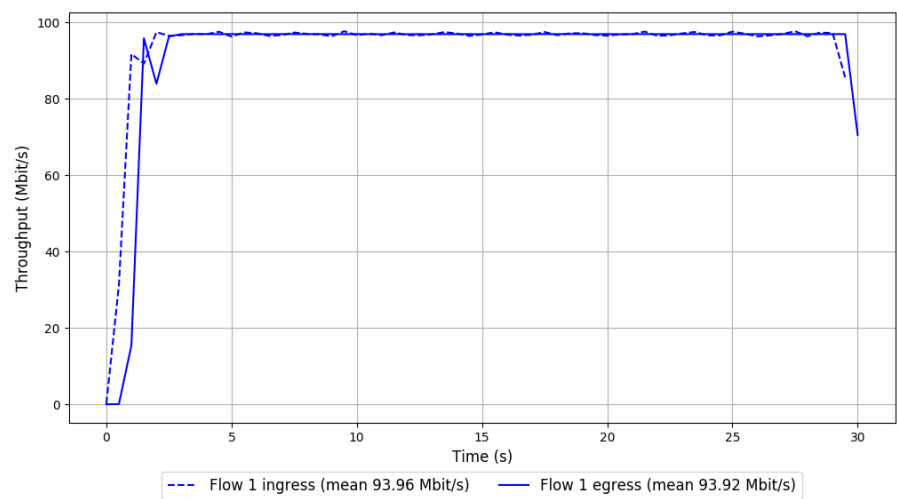
-- Flow 1:

Average throughput: 93.92 Mbit/s

95th percentile per-packet one-way delay: 94.017 ms

Loss rate: 0.59%

Run 8: Report of FillP — Data Link

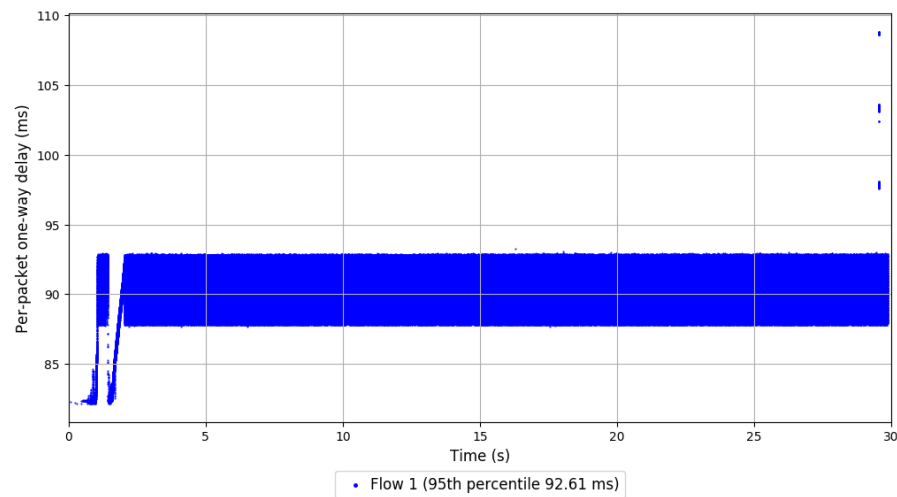
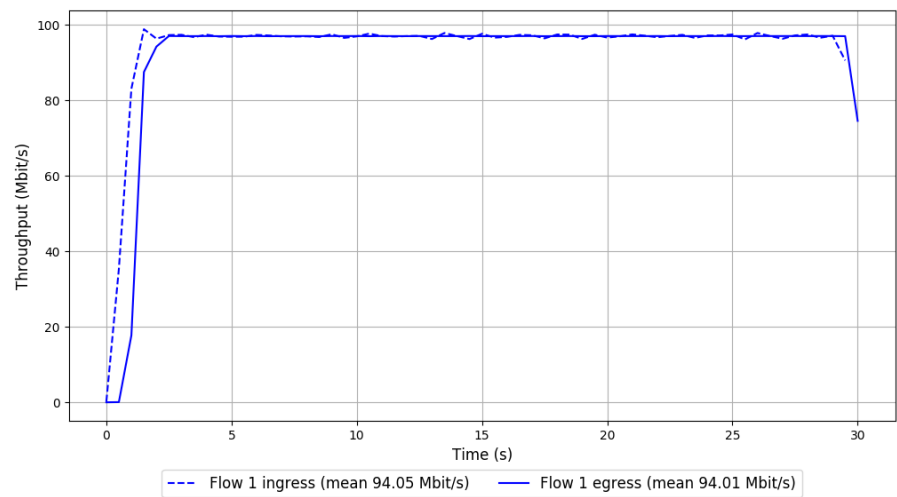


Run 9: Statistics of FillP

Start at: 2018-06-05 22:07:48
End at: 2018-06-05 22:08:18
Local clock offset: -8.656 ms
Remote clock offset: 10.891 ms

Below is generated by plot.py at 2018-06-05 22:45:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 92.607 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 92.607 ms
Loss rate: 0.59%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-05 22:26:26

End at: 2018-06-05 22:26:56

Local clock offset: -6.494 ms

Remote clock offset: 6.63 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 95.757 ms

Loss rate: 0.60%

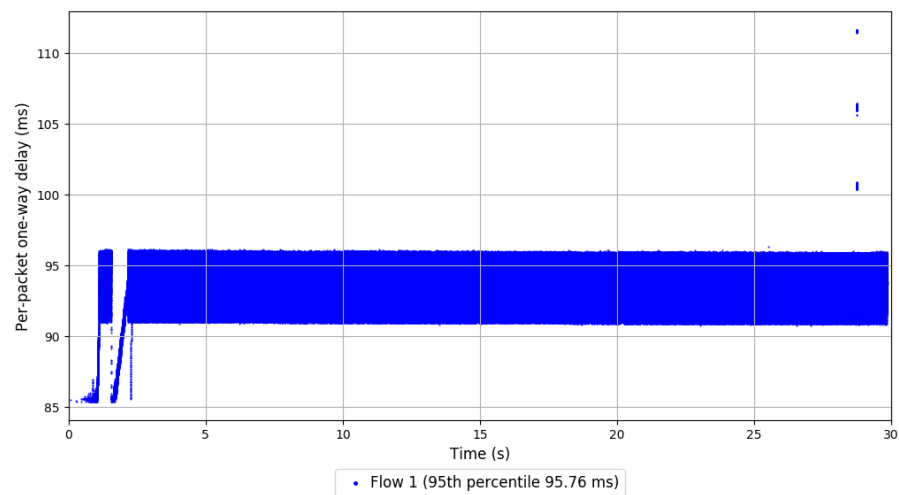
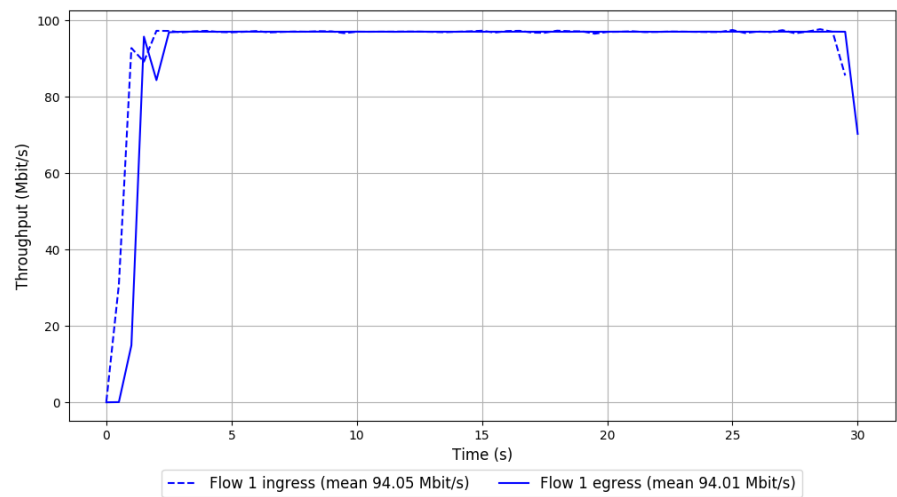
-- Flow 1:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 95.757 ms

Loss rate: 0.60%

Run 10: Report of FillP — Data Link

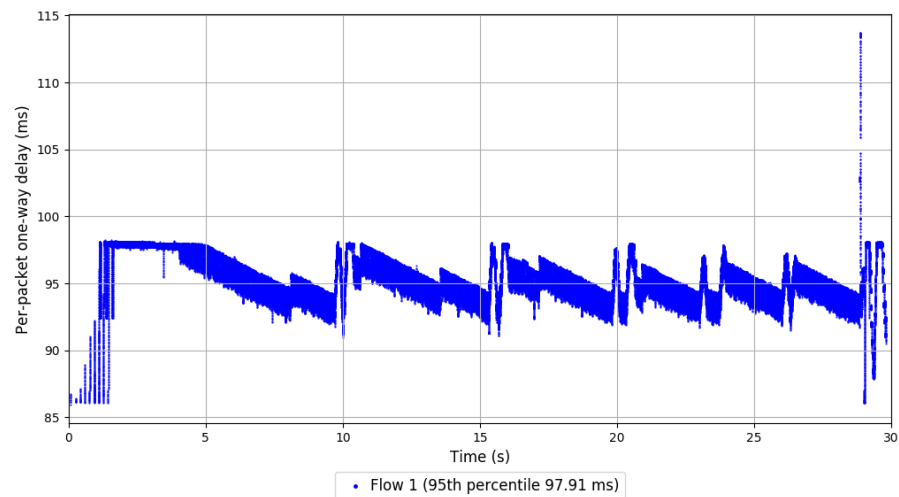
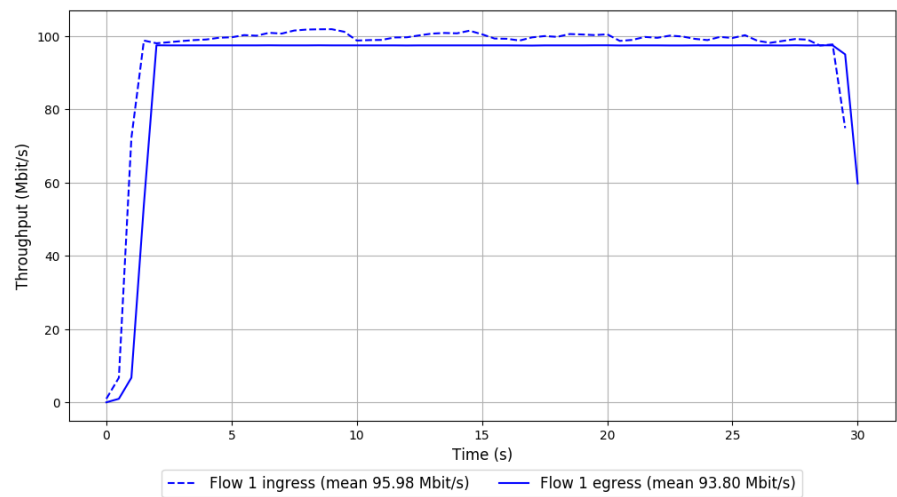


```
Run 1: Statistics of Indigo

Start at: 2018-06-05 19:47:59
End at: 2018-06-05 19:48:29
Local clock offset: -0.931 ms
Remote clock offset: 9.921 ms

# Below is generated by plot.py at 2018-06-05 22:46:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 97.905 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 97.905 ms
Loss rate: 2.81%
```

Run 1: Report of Indigo — Data Link

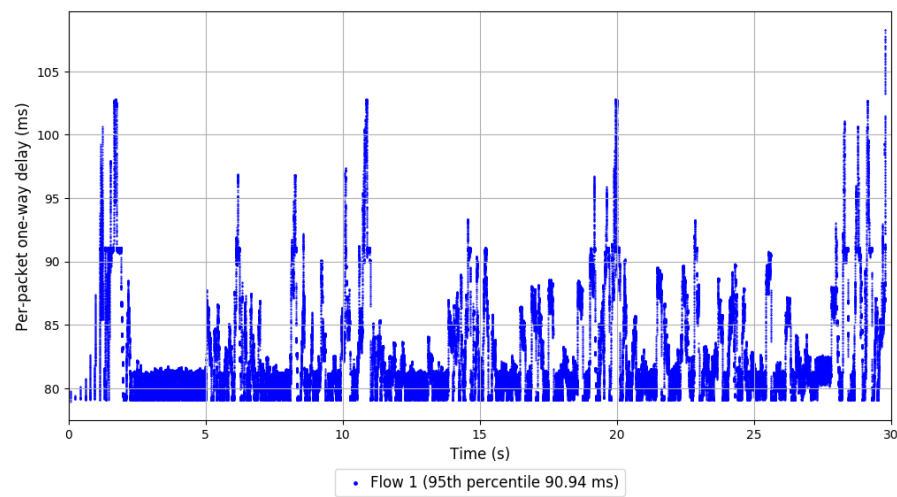
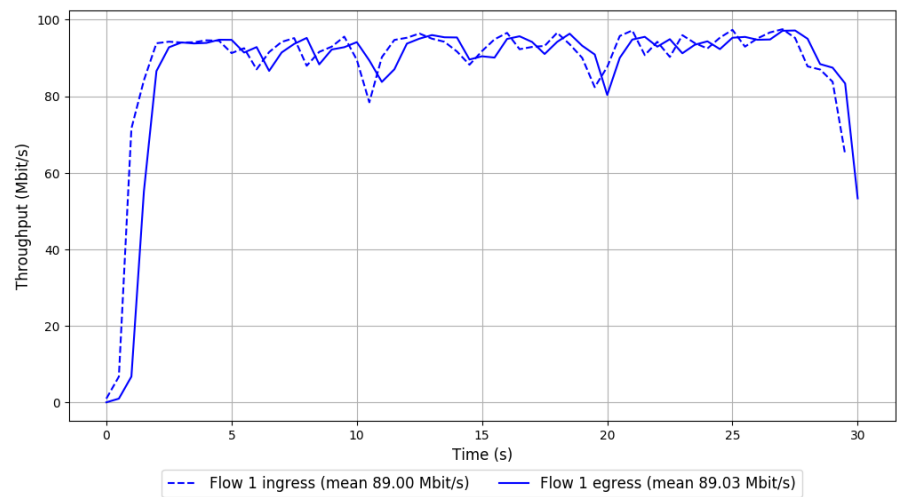


Run 2: Statistics of Indigo

Start at: 2018-06-05 20:06:36
End at: 2018-06-05 20:07:06
Local clock offset: -2.703 ms
Remote clock offset: 13.921 ms

Below is generated by plot.py at 2018-06-05 22:46:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 90.941 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 90.941 ms
Loss rate: 0.52%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-05 20:25:15

End at: 2018-06-05 20:25:45

Local clock offset: -1.729 ms

Remote clock offset: 9.154 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.51 Mbit/s

95th percentile per-packet one-way delay: 93.433 ms

Loss rate: 0.34%

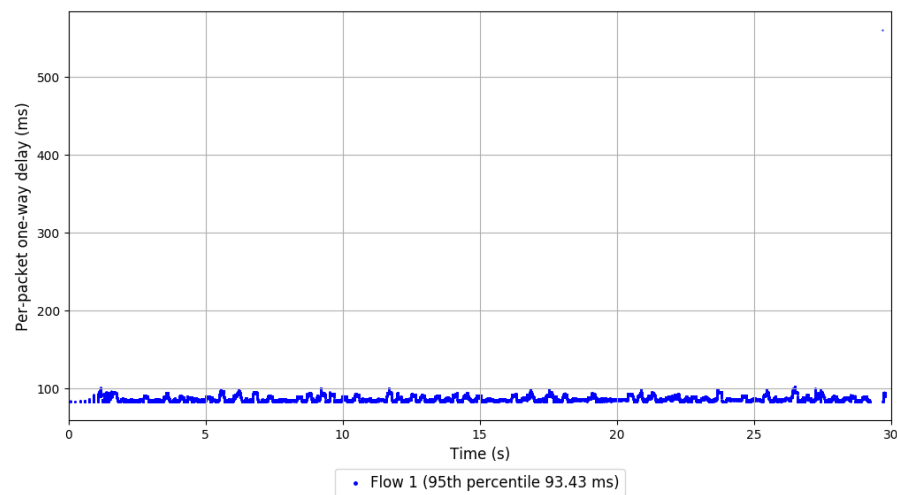
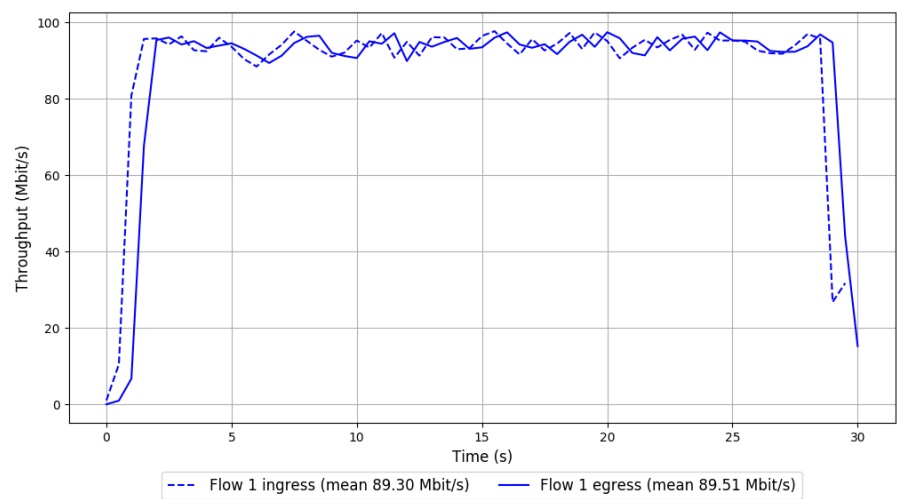
-- Flow 1:

Average throughput: 89.51 Mbit/s

95th percentile per-packet one-way delay: 93.433 ms

Loss rate: 0.34%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-05 20:43:59

End at: 2018-06-05 20:44:29

Local clock offset: -5.433 ms

Remote clock offset: 9.498 ms

Below is generated by plot.py at 2018-06-05 22:46:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.59 Mbit/s

95th percentile per-packet one-way delay: 90.430 ms

Loss rate: 0.62%

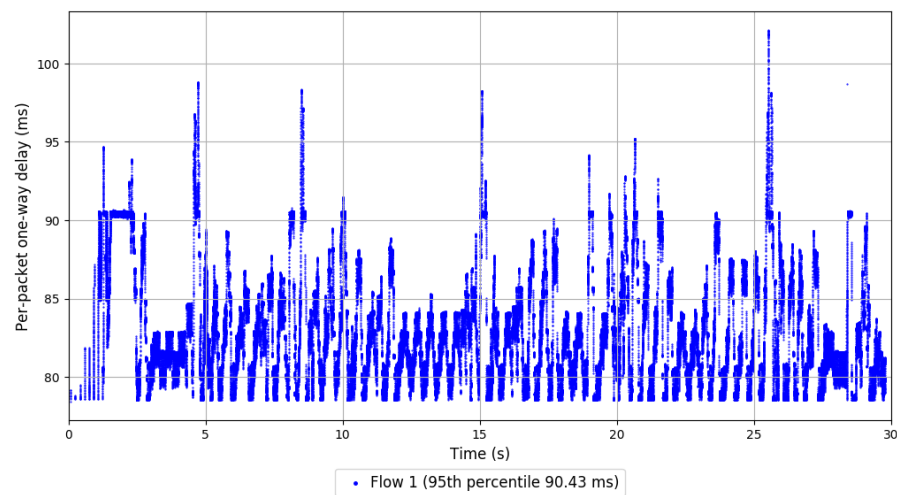
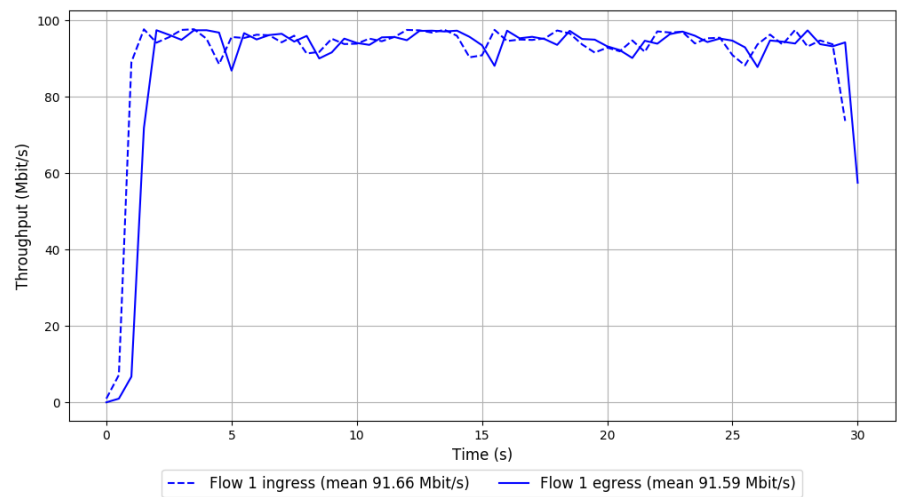
-- Flow 1:

Average throughput: 91.59 Mbit/s

95th percentile per-packet one-way delay: 90.430 ms

Loss rate: 0.62%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-05 21:02:37

End at: 2018-06-05 21:03:07

Local clock offset: -9.522 ms

Remote clock offset: 2.743 ms

Below is generated by plot.py at 2018-06-05 22:46:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.55 Mbit/s

95th percentile per-packet one-way delay: 87.301 ms

Loss rate: 0.55%

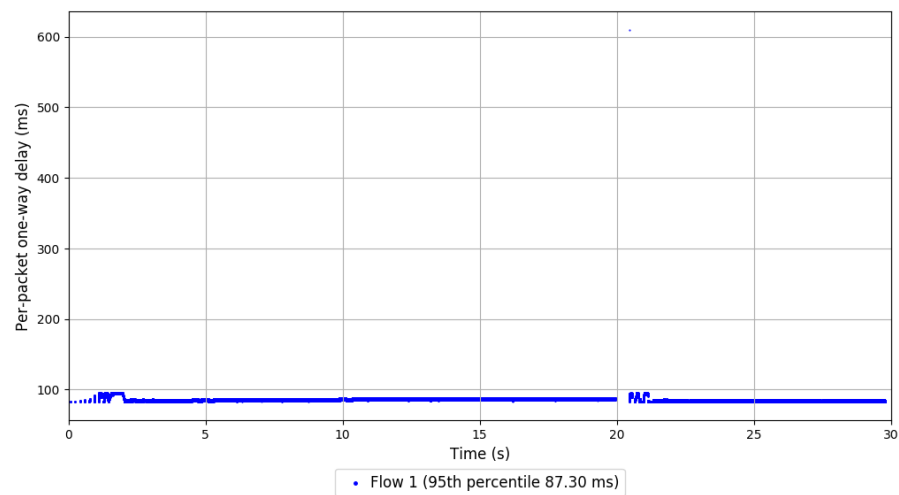
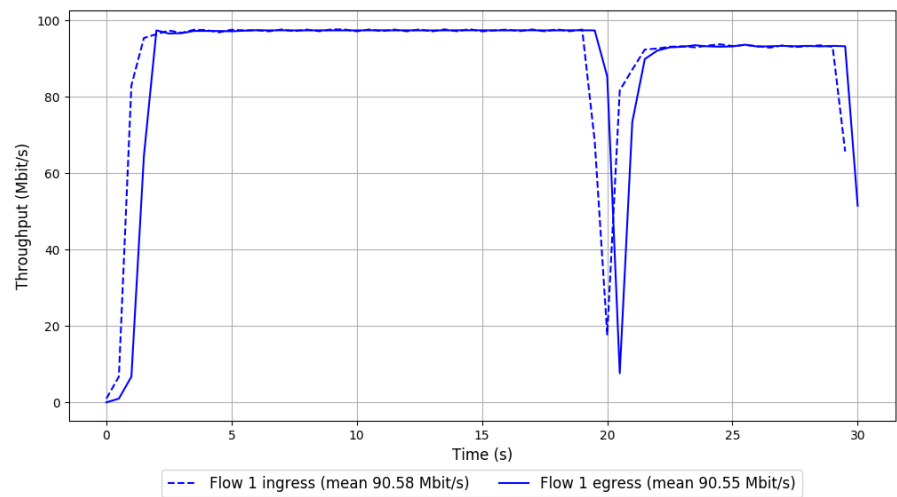
-- Flow 1:

Average throughput: 90.55 Mbit/s

95th percentile per-packet one-way delay: 87.301 ms

Loss rate: 0.55%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-05 21:21:16

End at: 2018-06-05 21:21:46

Local clock offset: -9.471 ms

Remote clock offset: 8.854 ms

Below is generated by plot.py at 2018-06-05 22:46:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.72 Mbit/s

95th percentile per-packet one-way delay: 92.121 ms

Loss rate: 5.16%

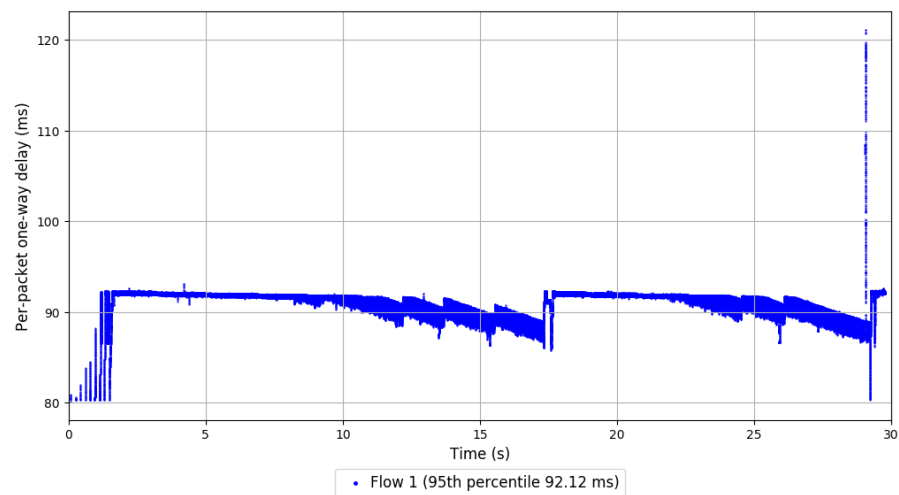
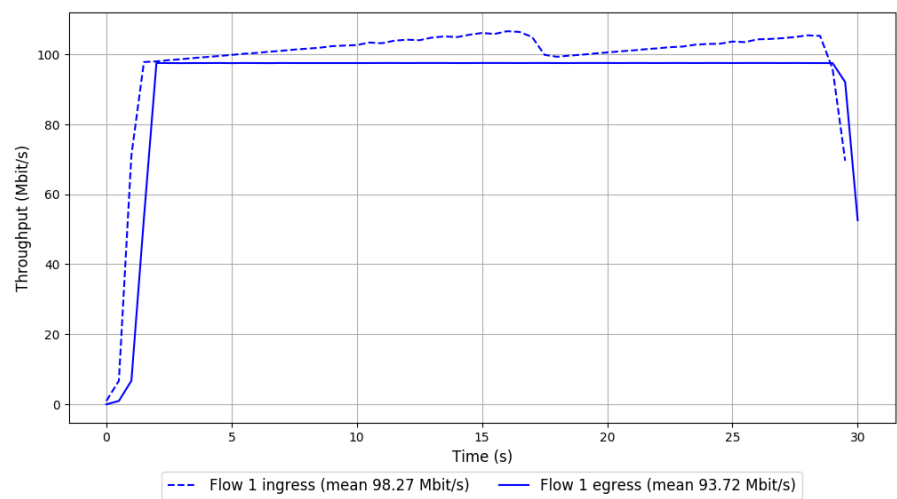
-- Flow 1:

Average throughput: 93.72 Mbit/s

95th percentile per-packet one-way delay: 92.121 ms

Loss rate: 5.16%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-05 21:39:55

End at: 2018-06-05 21:40:25

Local clock offset: -9.808 ms

Remote clock offset: 8.636 ms

Below is generated by plot.py at 2018-06-05 22:47:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.84 Mbit/s

95th percentile per-packet one-way delay: 89.718 ms

Loss rate: 2.58%

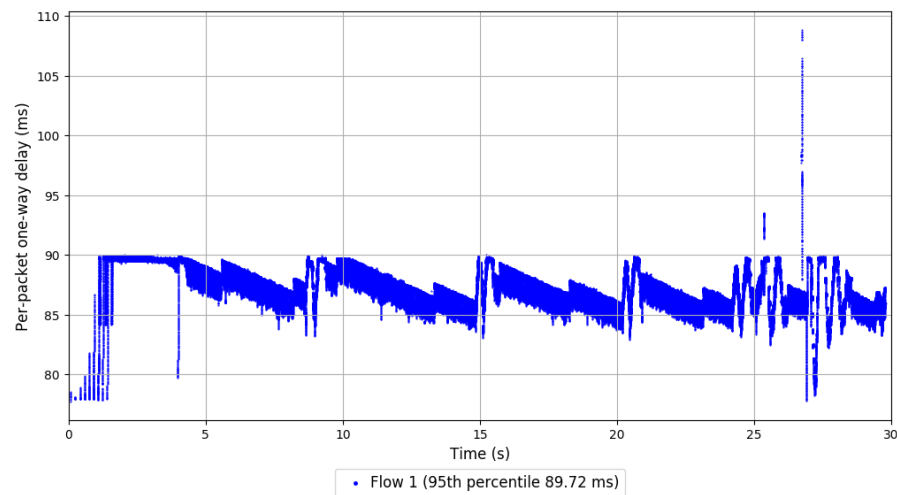
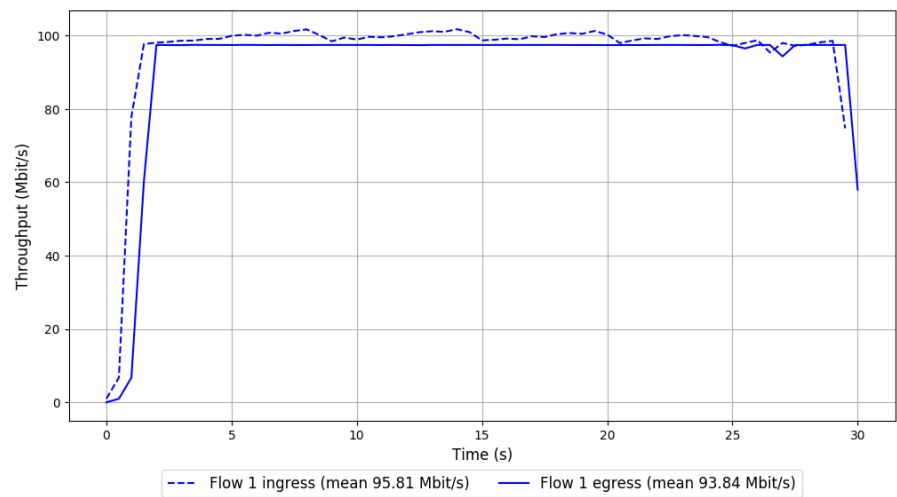
-- Flow 1:

Average throughput: 93.84 Mbit/s

95th percentile per-packet one-way delay: 89.718 ms

Loss rate: 2.58%

Run 7: Report of Indigo — Data Link

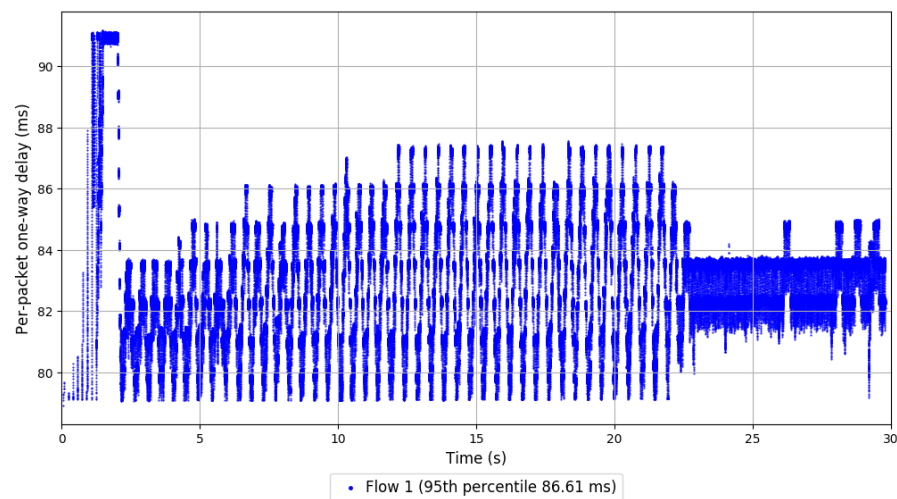
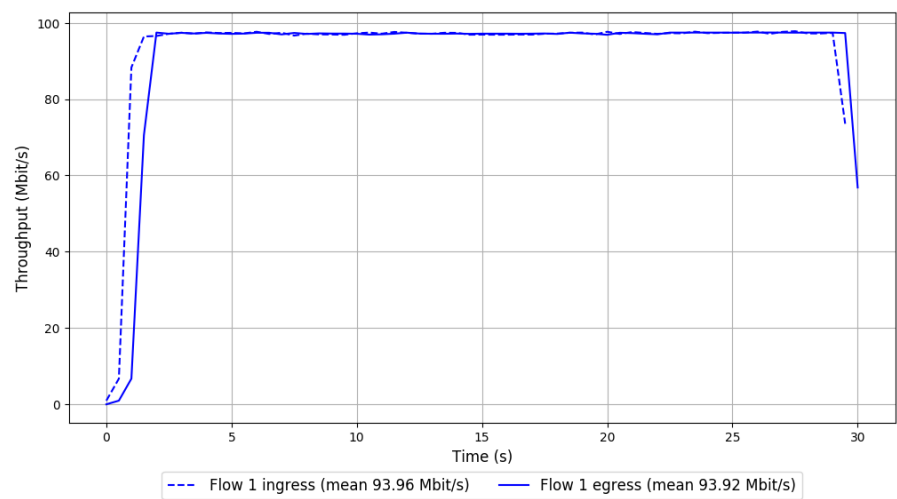


Run 8: Statistics of Indigo

Start at: 2018-06-05 21:58:34
End at: 2018-06-05 21:59:04
Local clock offset: -9.015 ms
Remote clock offset: 14.781 ms

Below is generated by plot.py at 2018-06-05 22:47:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 86.615 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 86.615 ms
Loss rate: 0.59%

Run 8: Report of Indigo — Data Link

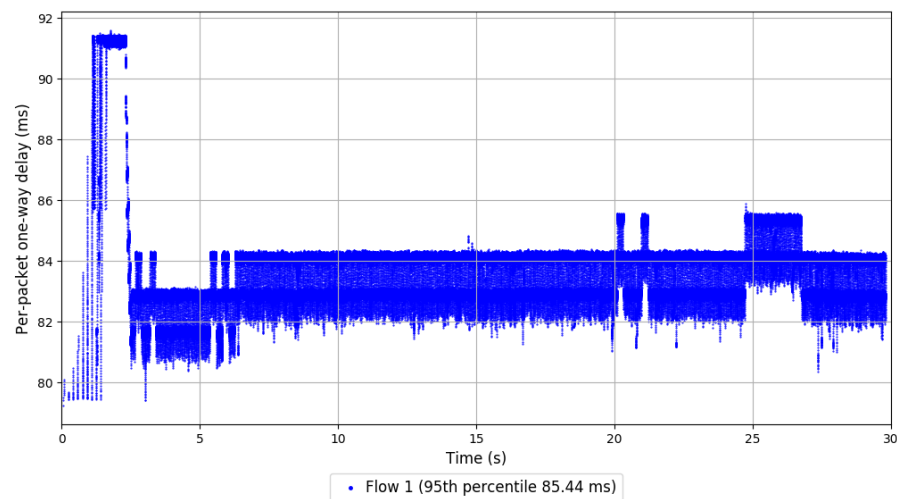
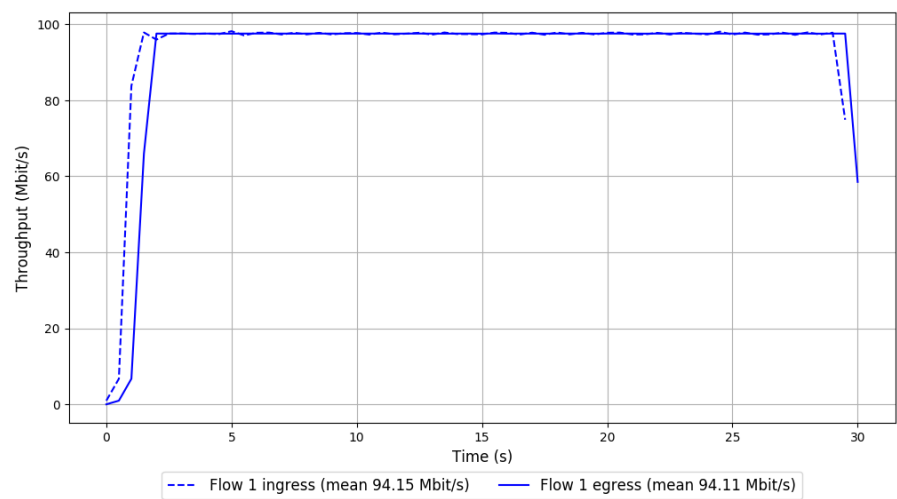


Run 9: Statistics of Indigo

Start at: 2018-06-05 22:17:11
End at: 2018-06-05 22:17:41
Local clock offset: -8.214 ms
Remote clock offset: 16.836 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 85.442 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 85.442 ms
Loss rate: 0.59%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-05 22:35:52

End at: 2018-06-05 22:36:22

Local clock offset: -6.256 ms

Remote clock offset: 8.34 ms

Below is generated by plot.py at 2018-06-05 22:47:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.21 Mbit/s

95th percentile per-packet one-way delay: 90.252 ms

Loss rate: 0.62%

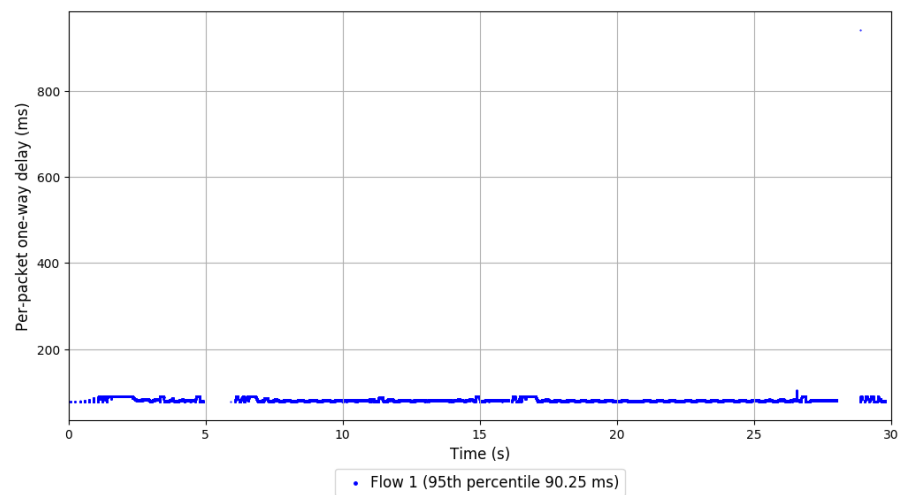
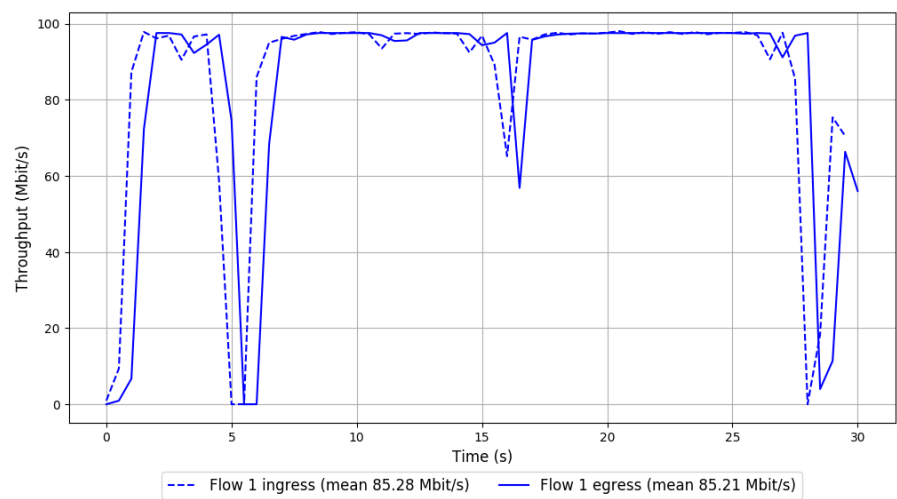
-- Flow 1:

Average throughput: 85.21 Mbit/s

95th percentile per-packet one-way delay: 90.252 ms

Loss rate: 0.62%

Run 10: Report of Indigo — Data Link

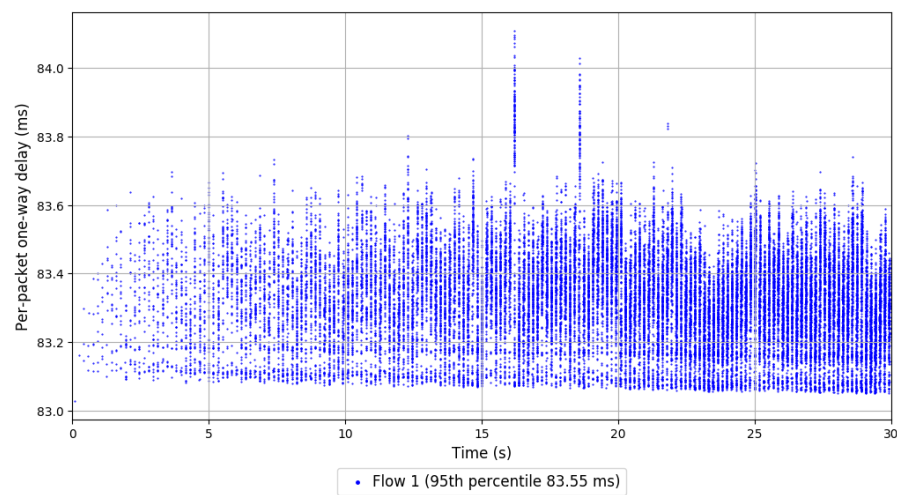
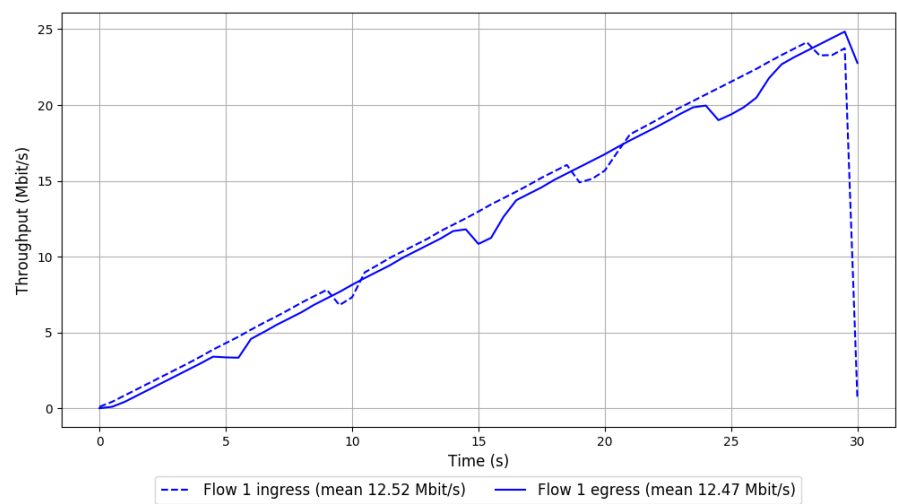


Run 1: Statistics of LEDBAT

Start at: 2018-06-05 19:39:46
End at: 2018-06-05 19:40:16
Local clock offset: -0.956 ms
Remote clock offset: 10.319 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 83.548 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 83.548 ms
Loss rate: 0.93%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-06-05 19:58:24

End at: 2018-06-05 19:58:54

Local clock offset: -2.446 ms

Remote clock offset: 10.68 ms

Below is generated by plot.py at 2018-06-05 22:47:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.25 Mbit/s

95th percentile per-packet one-way delay: 81.934 ms

Loss rate: 1.10%

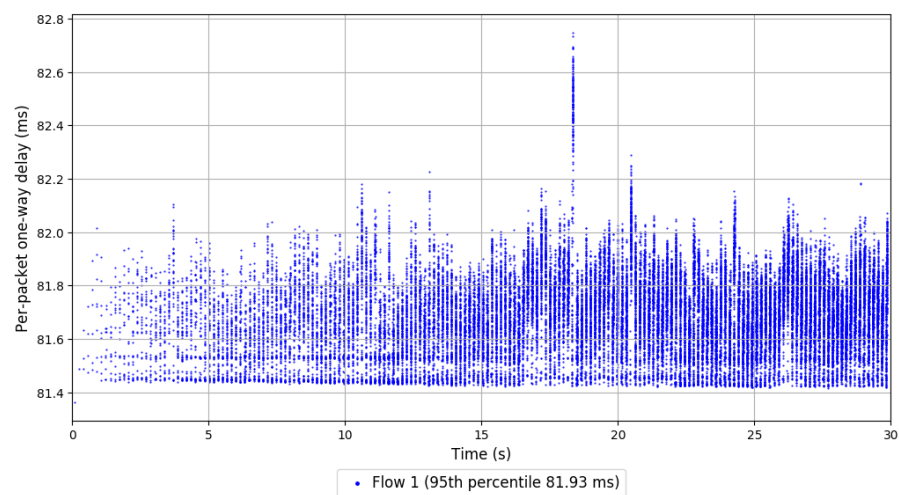
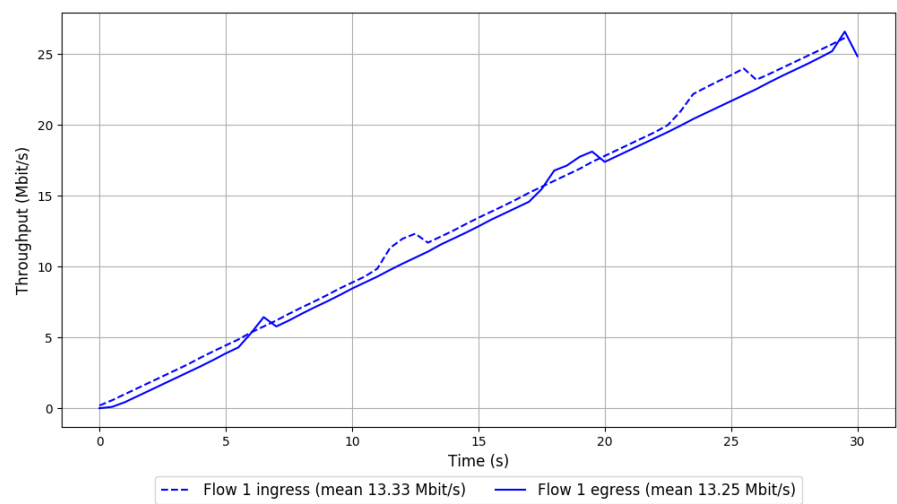
-- Flow 1:

Average throughput: 13.25 Mbit/s

95th percentile per-packet one-way delay: 81.934 ms

Loss rate: 1.10%

Run 2: Report of LEDBAT — Data Link

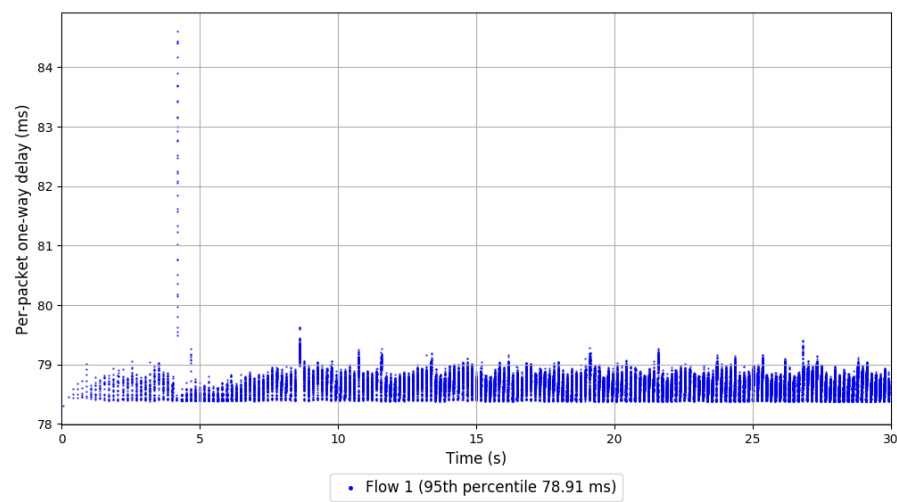
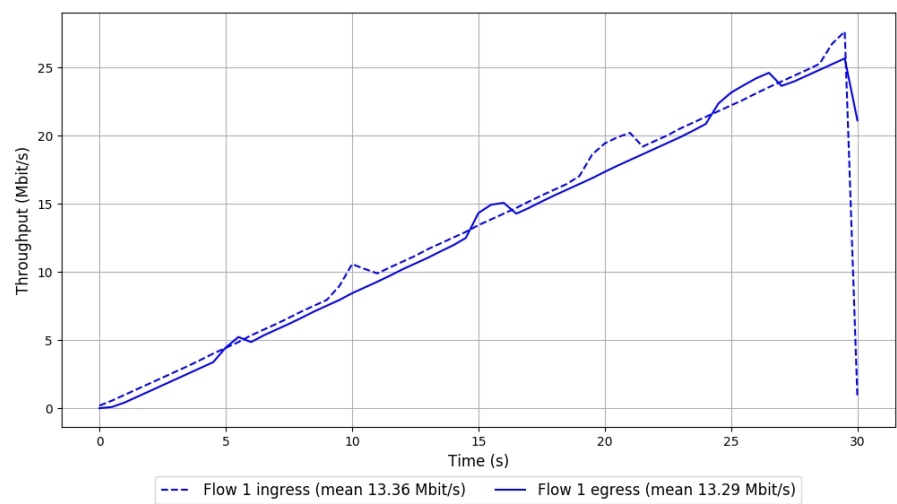


Run 3: Statistics of LEDBAT

Start at: 2018-06-05 20:17:01
End at: 2018-06-05 20:17:31
Local clock offset: -1.543 ms
Remote clock offset: 13.392 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 78.914 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 78.914 ms
Loss rate: 1.05%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-06-05 20:35:45

End at: 2018-06-05 20:36:15

Local clock offset: -3.606 ms

Remote clock offset: 8.624 ms

Below is generated by plot.py at 2018-06-05 22:47:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.40 Mbit/s

95th percentile per-packet one-way delay: 82.162 ms

Loss rate: 1.13%

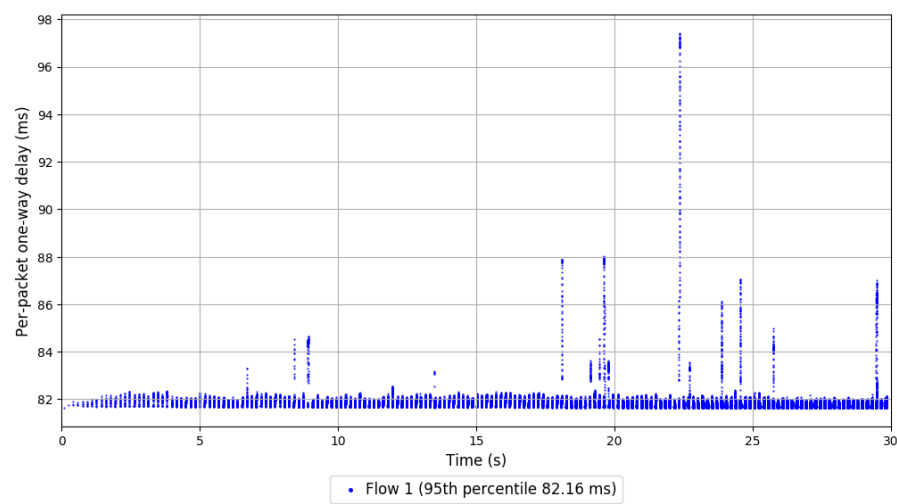
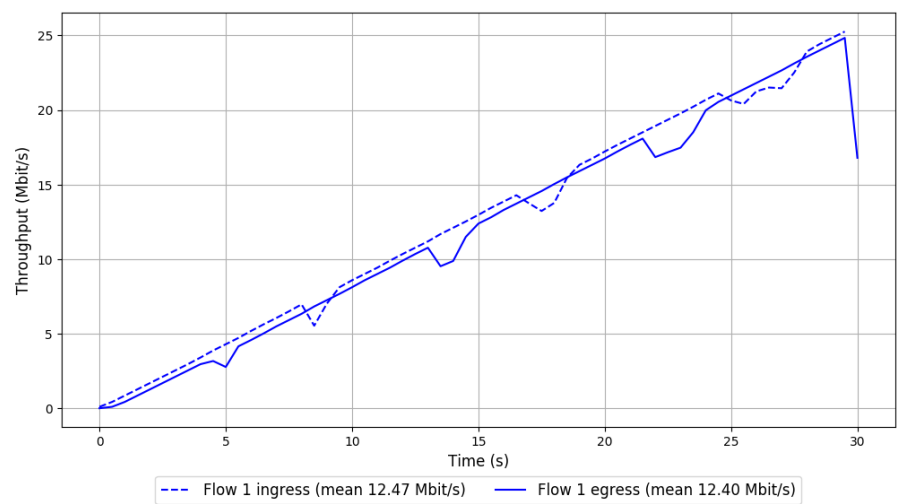
-- Flow 1:

Average throughput: 12.40 Mbit/s

95th percentile per-packet one-way delay: 82.162 ms

Loss rate: 1.13%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-05 20:54:24

End at: 2018-06-05 20:54:54

Local clock offset: -7.86 ms

Remote clock offset: 7.533 ms

Below is generated by plot.py at 2018-06-05 22:47:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.25 Mbit/s

95th percentile per-packet one-way delay: 78.765 ms

Loss rate: 1.07%

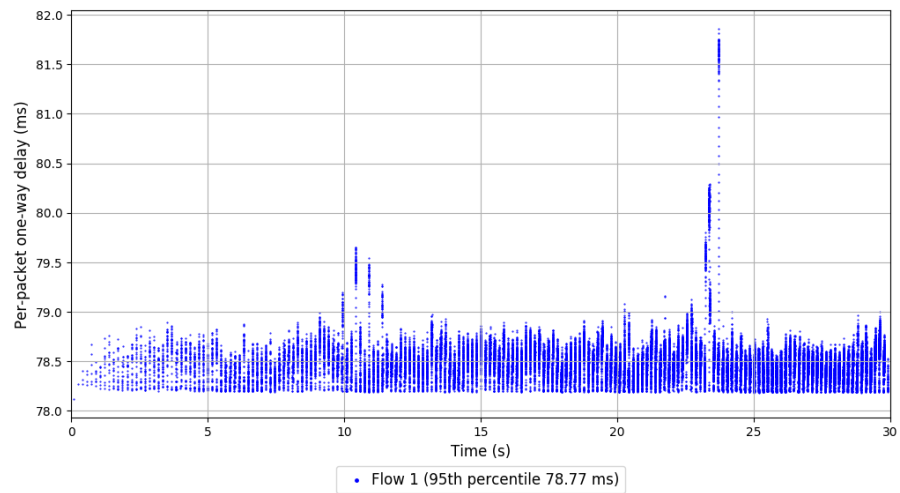
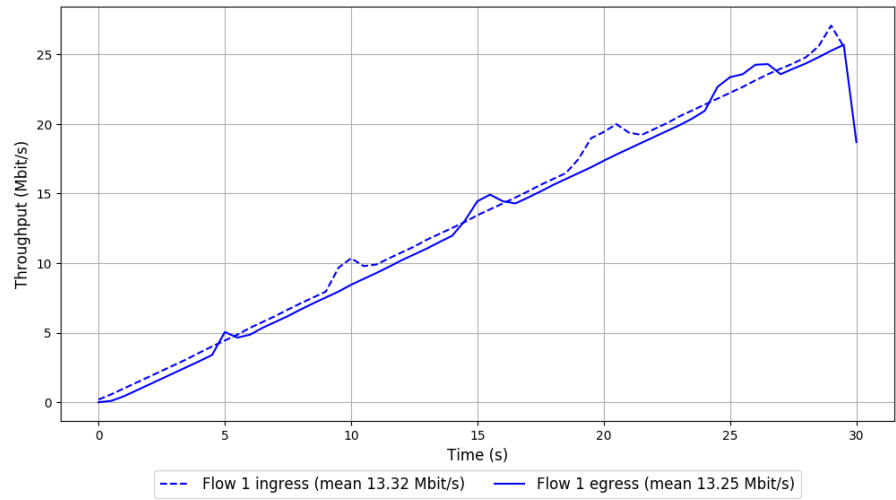
-- Flow 1:

Average throughput: 13.25 Mbit/s

95th percentile per-packet one-way delay: 78.765 ms

Loss rate: 1.07%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-05 21:13:01

End at: 2018-06-05 21:13:31

Local clock offset: -8.988 ms

Remote clock offset: 7.375 ms

Below is generated by plot.py at 2018-06-05 22:47:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.88 Mbit/s

95th percentile per-packet one-way delay: 80.848 ms

Loss rate: 1.07%

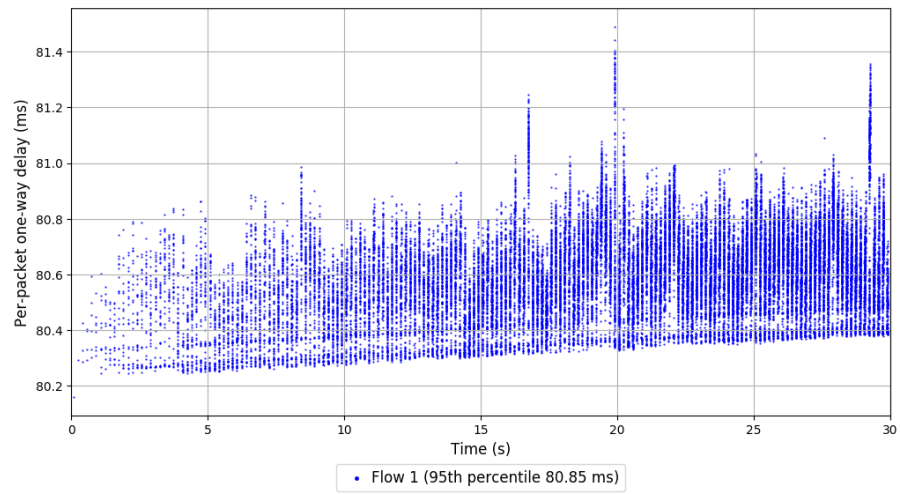
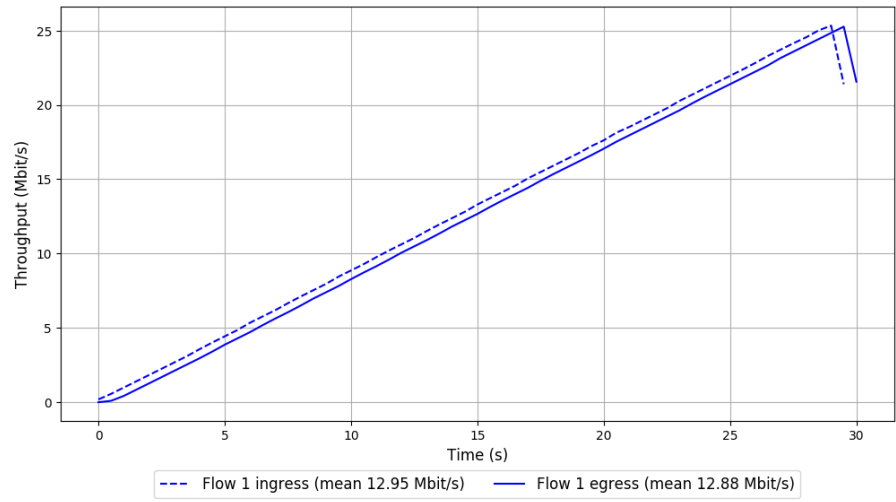
-- Flow 1:

Average throughput: 12.88 Mbit/s

95th percentile per-packet one-way delay: 80.848 ms

Loss rate: 1.07%

Run 6: Report of LEDBAT — Data Link

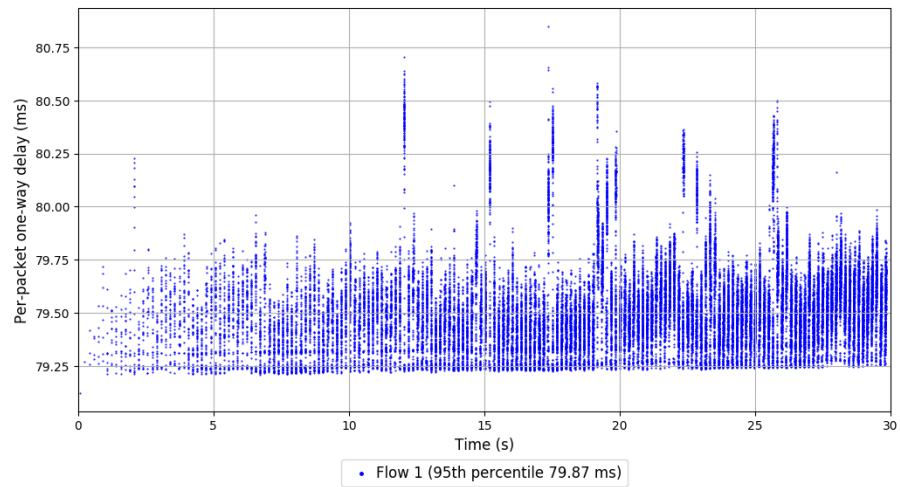
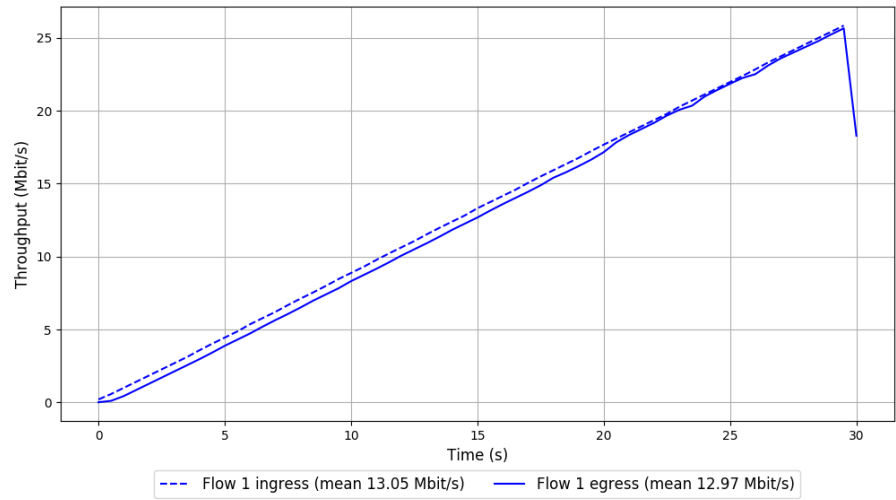


Run 7: Statistics of LEDBAT

Start at: 2018-06-05 21:31:40
End at: 2018-06-05 21:32:10
Local clock offset: -9.995 ms
Remote clock offset: 10.584 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 79.868 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 79.868 ms
Loss rate: 1.11%

Run 7: Report of LEDBAT — Data Link

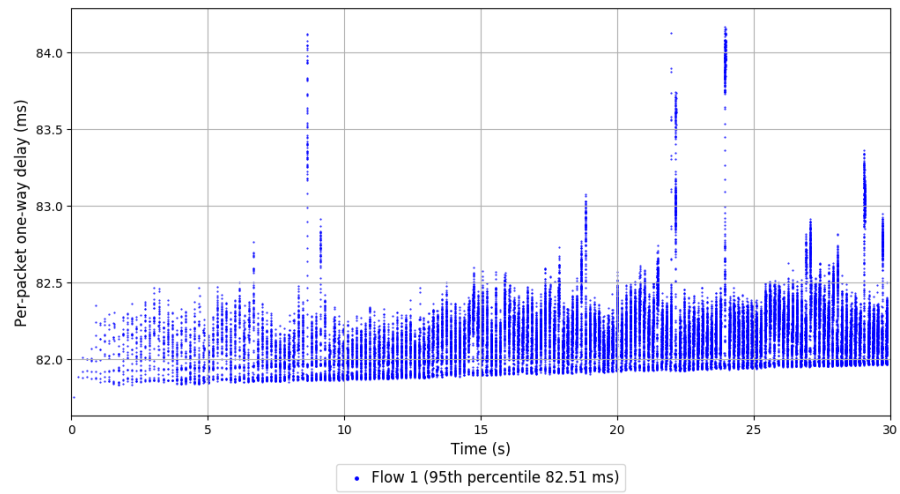
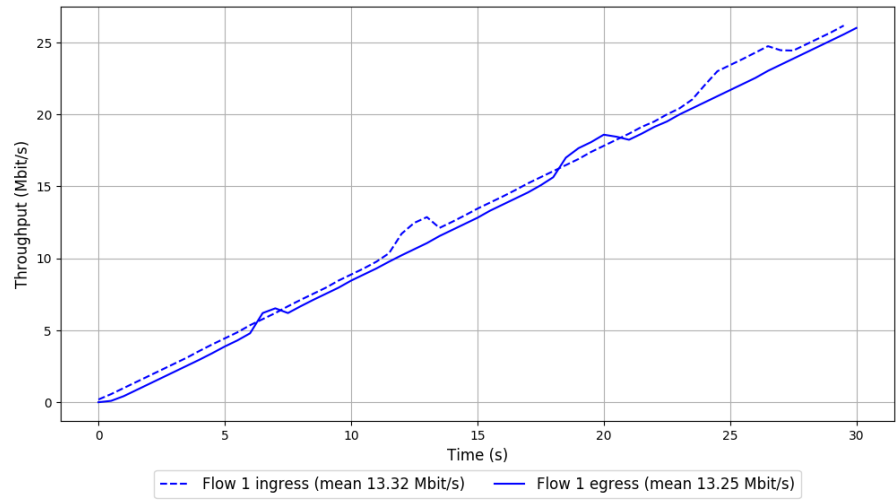


Run 8: Statistics of LEDBAT

Start at: 2018-06-05 21:50:20
End at: 2018-06-05 21:50:50
Local clock offset: -7.601 ms
Remote clock offset: 11.723 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 82.514 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 82.514 ms
Loss rate: 1.10%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-05 22:08:58

End at: 2018-06-05 22:09:28

Local clock offset: -7.791 ms

Remote clock offset: 14.99 ms

Below is generated by plot.py at 2018-06-05 22:47:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.28 Mbit/s

95th percentile per-packet one-way delay: 79.476 ms

Loss rate: 1.10%

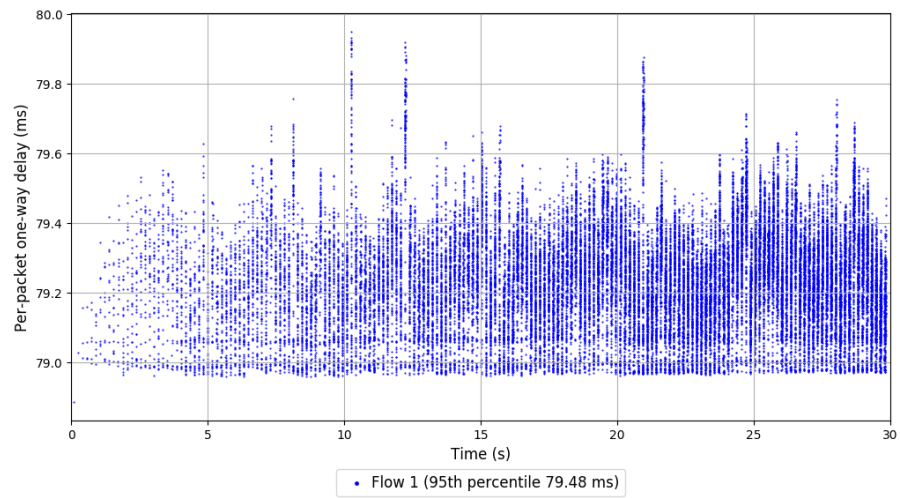
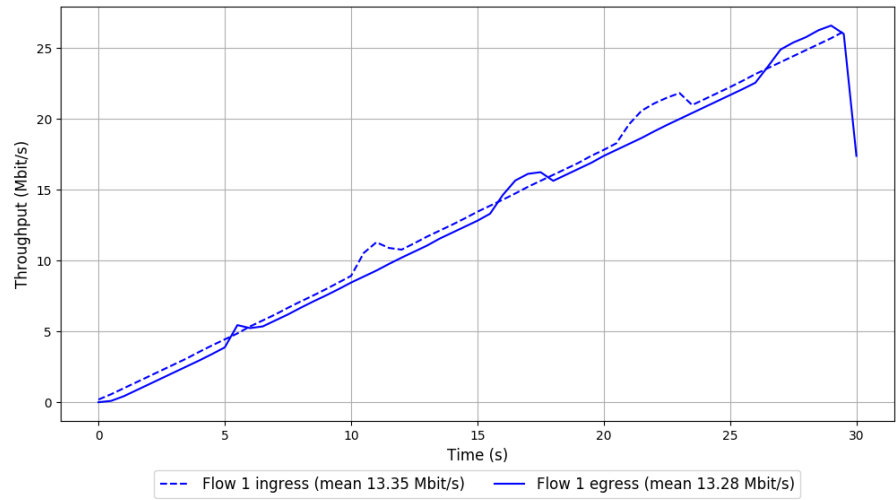
-- Flow 1:

Average throughput: 13.28 Mbit/s

95th percentile per-packet one-way delay: 79.476 ms

Loss rate: 1.10%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-05 22:27:37

End at: 2018-06-05 22:28:07

Local clock offset: -6.487 ms

Remote clock offset: 6.288 ms

Below is generated by plot.py at 2018-06-05 22:47:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 84.110 ms

Loss rate: 1.06%

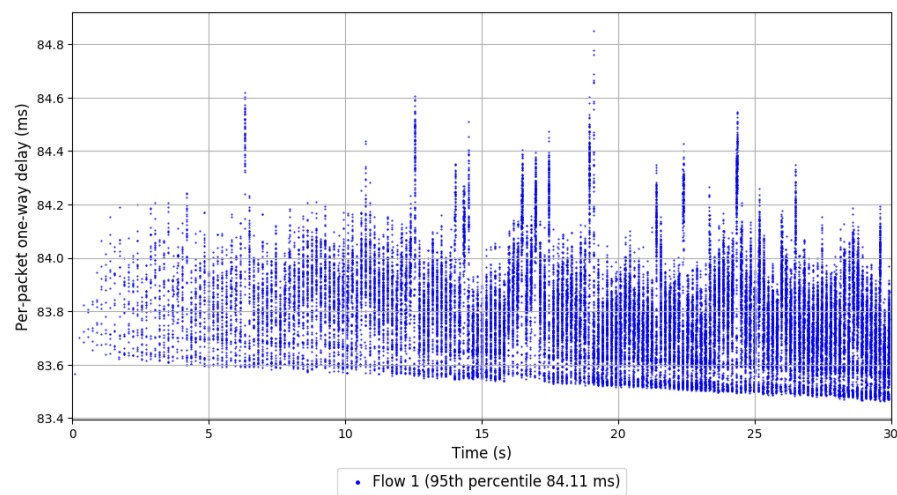
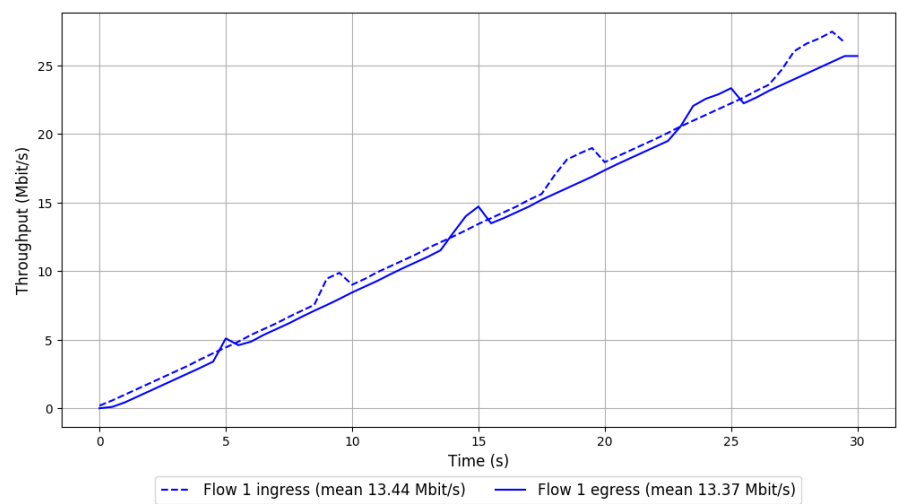
-- Flow 1:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 84.110 ms

Loss rate: 1.06%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-05 19:37:26

End at: 2018-06-05 19:37:56

Local clock offset: -1.792 ms

Remote clock offset: 16.641 ms

Below is generated by plot.py at 2018-06-05 22:47:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.70 Mbit/s

95th percentile per-packet one-way delay: 88.579 ms

Loss rate: 0.63%

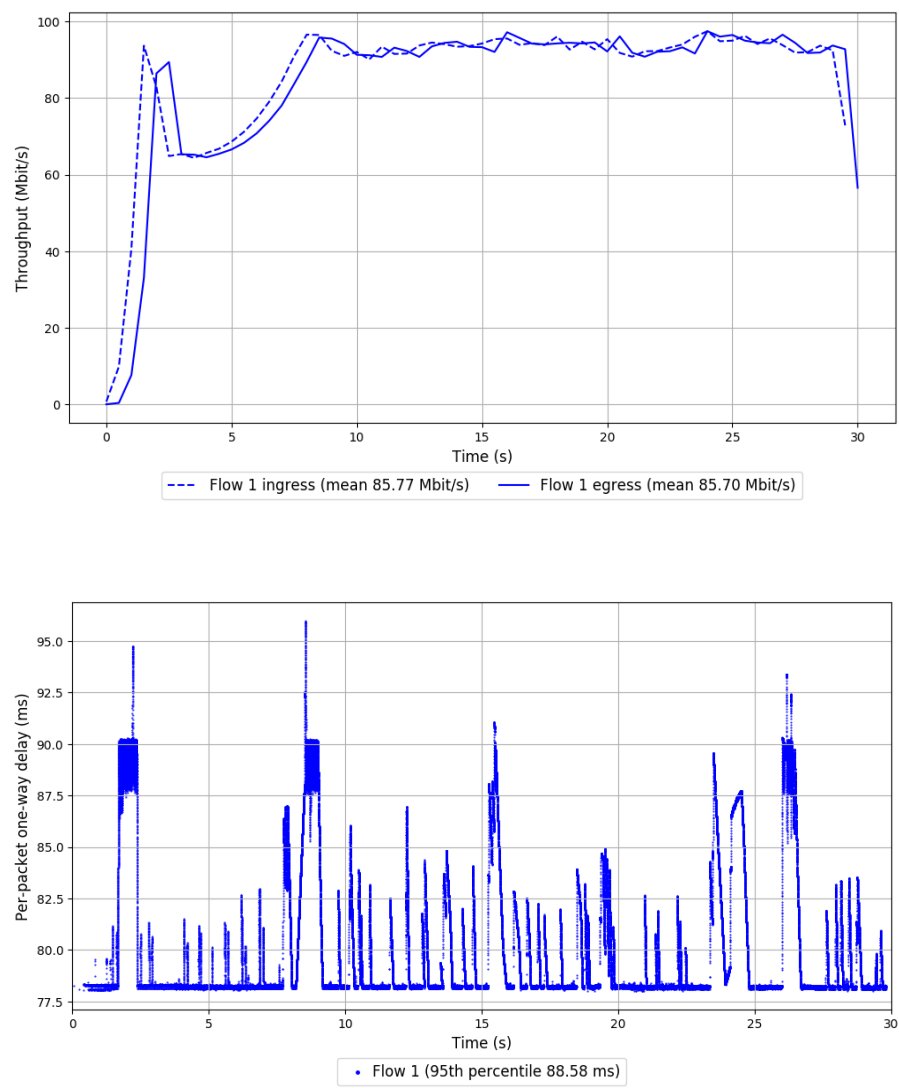
-- Flow 1:

Average throughput: 85.70 Mbit/s

95th percentile per-packet one-way delay: 88.579 ms

Loss rate: 0.63%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-05 19:56:04

End at: 2018-06-05 19:56:34

Local clock offset: -1.685 ms

Remote clock offset: 10.738 ms

Below is generated by plot.py at 2018-06-05 22:47:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.41 Mbit/s

95th percentile per-packet one-way delay: 93.176 ms

Loss rate: 0.71%

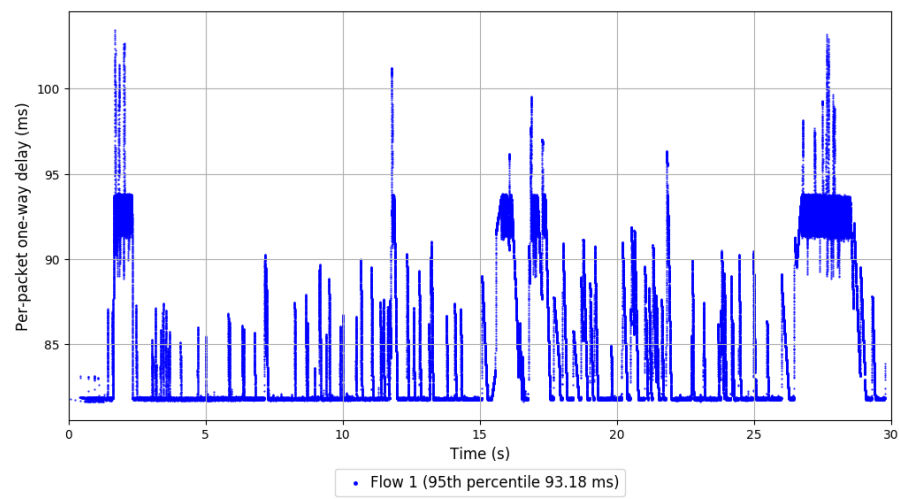
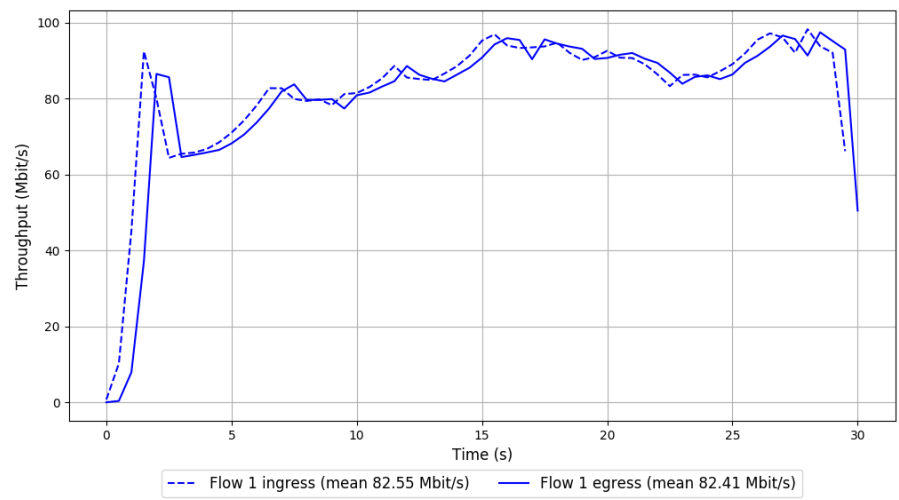
-- Flow 1:

Average throughput: 82.41 Mbit/s

95th percentile per-packet one-way delay: 93.176 ms

Loss rate: 0.71%

Run 2: Report of PCC-Allegro — Data Link

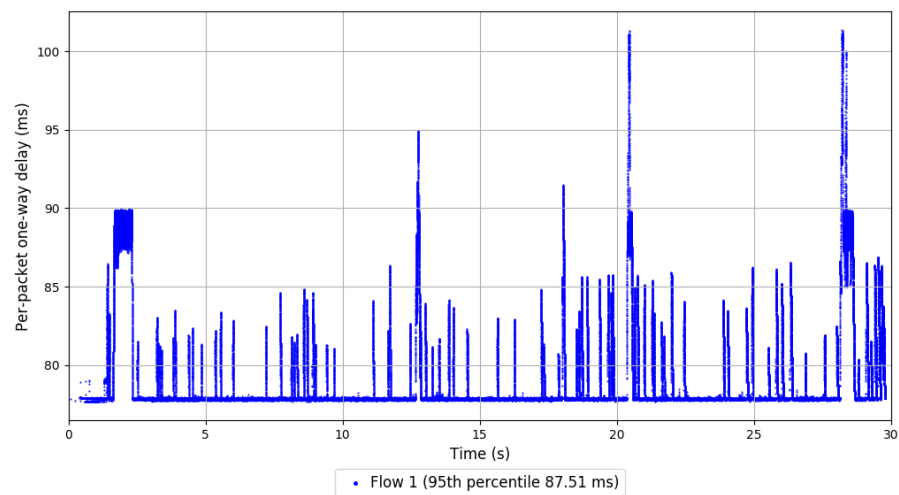
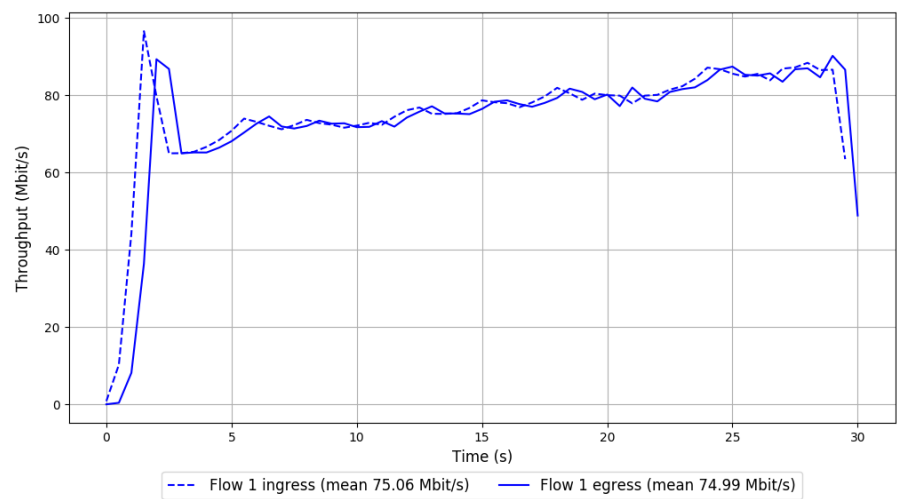


Run 3: Statistics of PCC-Allegro

Start at: 2018-06-05 20:14:41
End at: 2018-06-05 20:15:11
Local clock offset: -1.472 ms
Remote clock offset: 13.623 ms

Below is generated by plot.py at 2018-06-05 22:47:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.99 Mbit/s
95th percentile per-packet one-way delay: 87.507 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 74.99 Mbit/s
95th percentile per-packet one-way delay: 87.507 ms
Loss rate: 0.64%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-05 20:33:20

End at: 2018-06-05 20:33:50

Local clock offset: -2.596 ms

Remote clock offset: 11.769 ms

Below is generated by plot.py at 2018-06-05 22:47:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.81 Mbit/s

95th percentile per-packet one-way delay: 92.299 ms

Loss rate: 0.69%

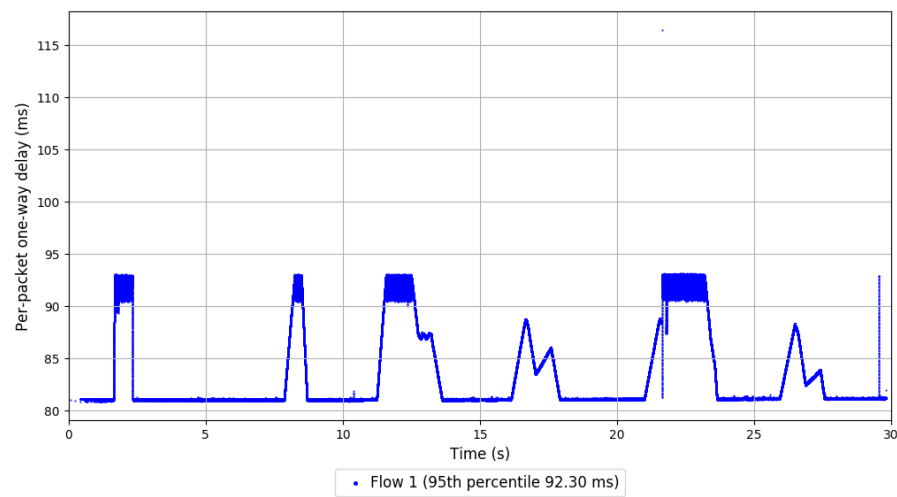
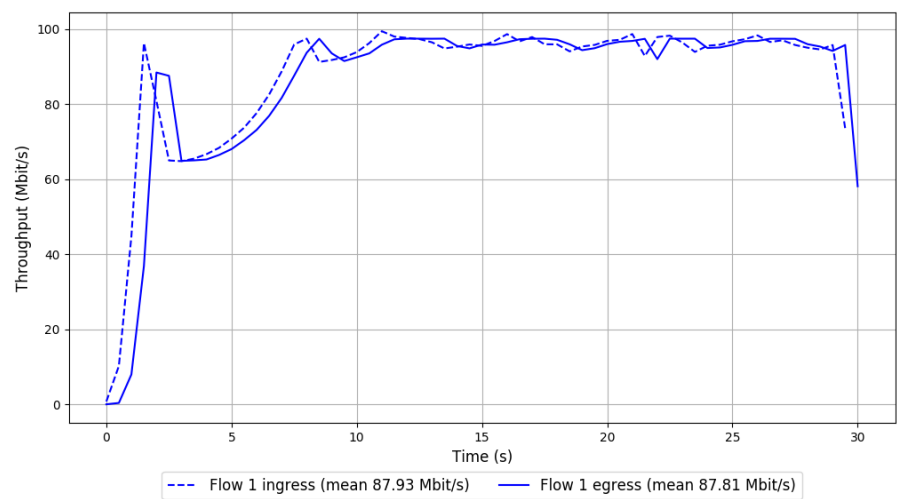
-- Flow 1:

Average throughput: 87.81 Mbit/s

95th percentile per-packet one-way delay: 92.299 ms

Loss rate: 0.69%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-05 20:52:04

End at: 2018-06-05 20:52:34

Local clock offset: -8.418 ms

Remote clock offset: 4.035 ms

Below is generated by plot.py at 2018-06-05 22:48:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.77 Mbit/s

95th percentile per-packet one-way delay: 92.279 ms

Loss rate: 0.85%

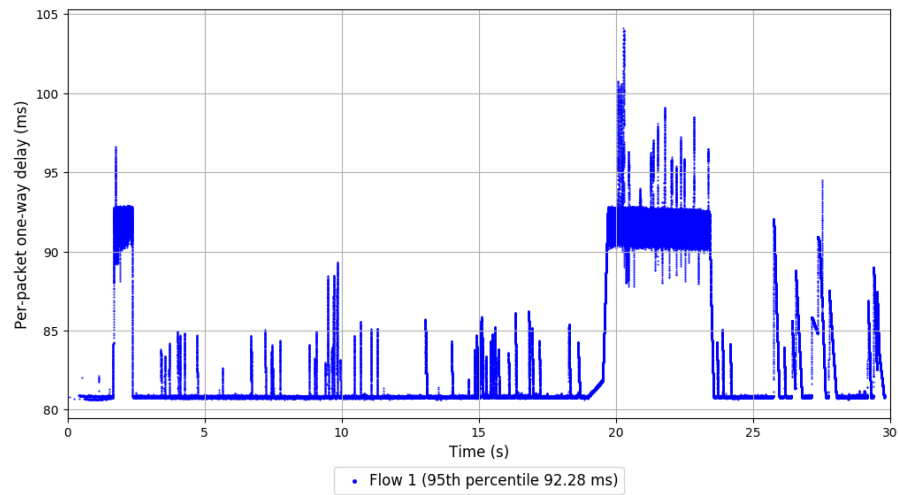
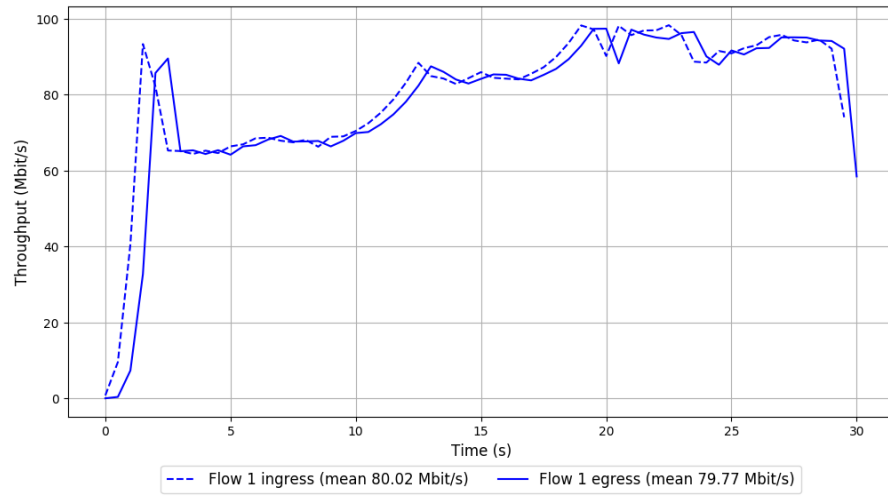
-- Flow 1:

Average throughput: 79.77 Mbit/s

95th percentile per-packet one-way delay: 92.279 ms

Loss rate: 0.85%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-05 21:10:41

End at: 2018-06-05 21:11:11

Local clock offset: -9.741 ms

Remote clock offset: 2.668 ms

Below is generated by plot.py at 2018-06-05 22:48:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.63 Mbit/s

95th percentile per-packet one-way delay: 88.850 ms

Loss rate: 0.65%

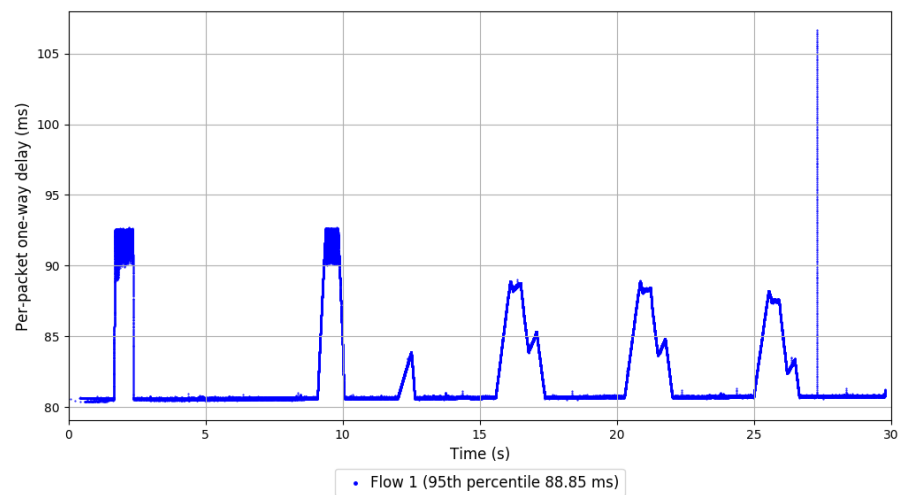
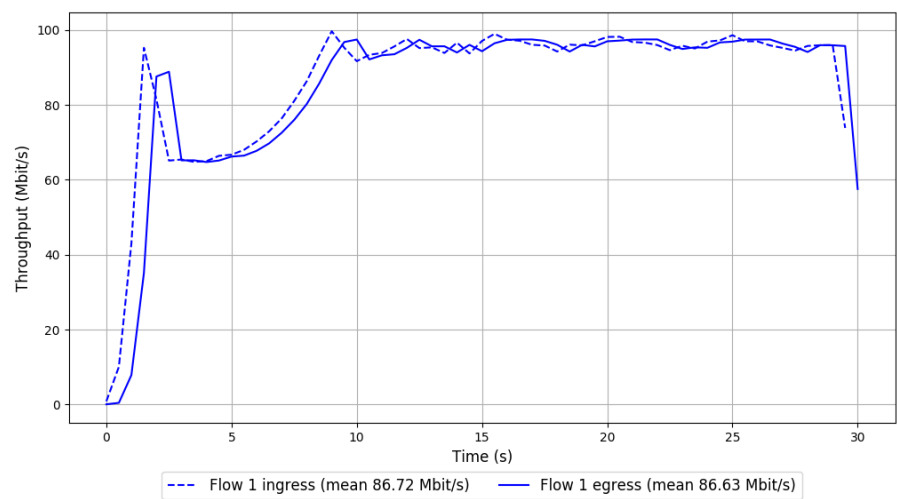
-- Flow 1:

Average throughput: 86.63 Mbit/s

95th percentile per-packet one-way delay: 88.850 ms

Loss rate: 0.65%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-05 21:29:20

End at: 2018-06-05 21:29:50

Local clock offset: -9.849 ms

Remote clock offset: 9.505 ms

Below is generated by plot.py at 2018-06-05 22:48:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.88 Mbit/s

95th percentile per-packet one-way delay: 87.670 ms

Loss rate: 0.63%

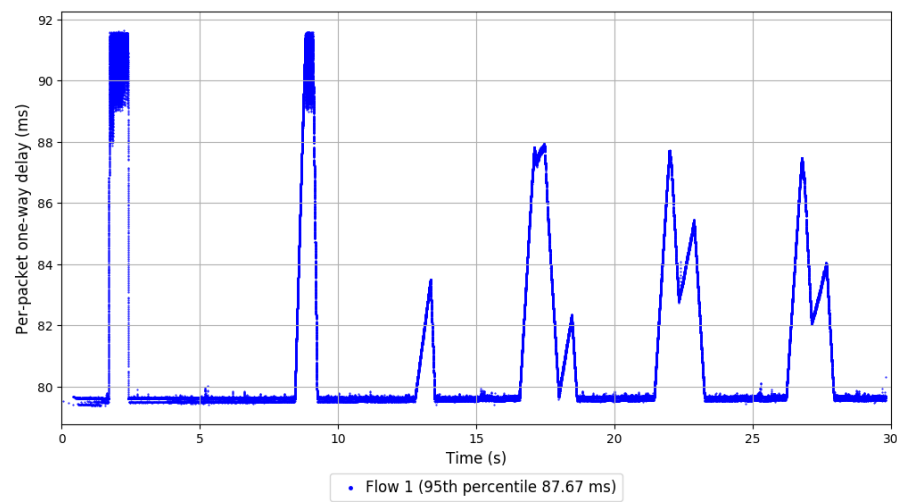
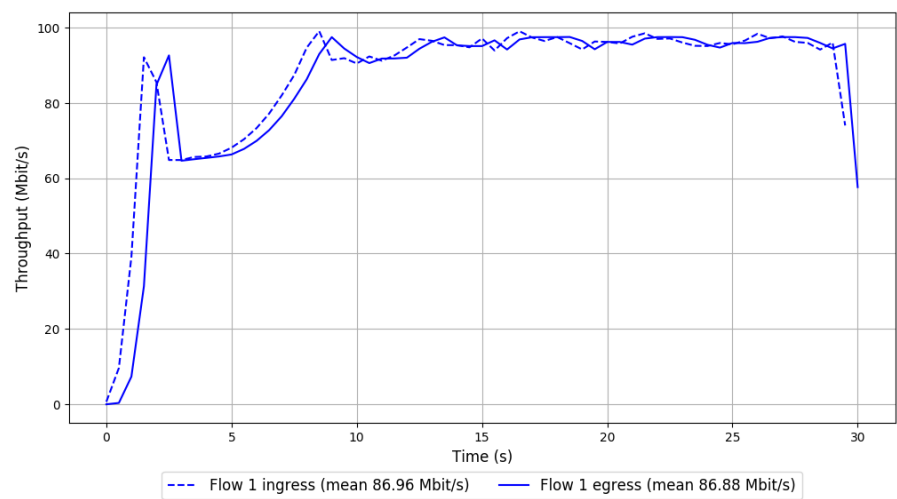
-- Flow 1:

Average throughput: 86.88 Mbit/s

95th percentile per-packet one-way delay: 87.670 ms

Loss rate: 0.63%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-05 21:48:00

End at: 2018-06-05 21:48:30

Local clock offset: -7.68 ms

Remote clock offset: 8.027 ms

Below is generated by plot.py at 2018-06-05 22:48:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.20 Mbit/s

95th percentile per-packet one-way delay: 95.319 ms

Loss rate: 0.65%

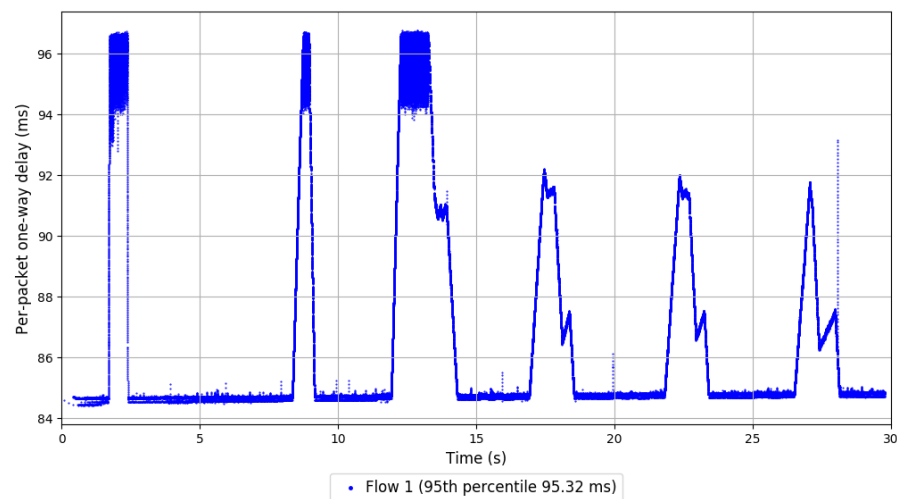
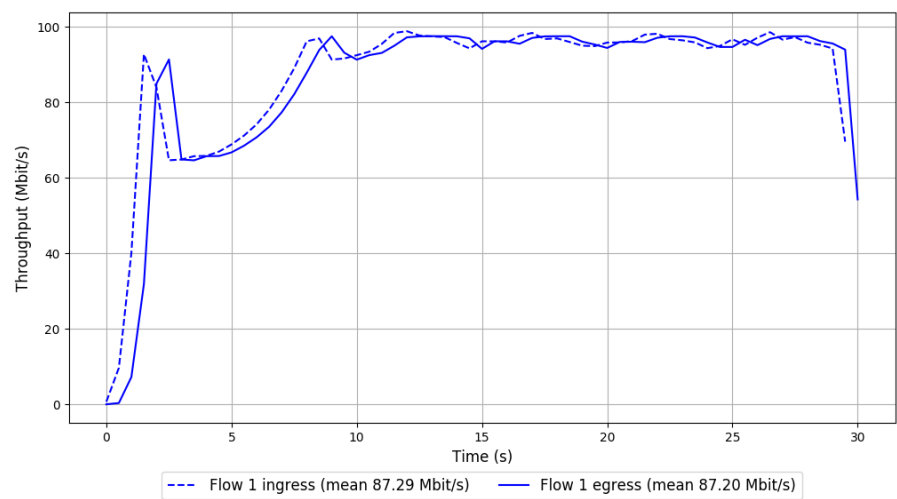
-- Flow 1:

Average throughput: 87.20 Mbit/s

95th percentile per-packet one-way delay: 95.319 ms

Loss rate: 0.65%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-05 22:06:38

End at: 2018-06-05 22:07:08

Local clock offset: -7.229 ms

Remote clock offset: 10.853 ms

Below is generated by plot.py at 2018-06-05 22:48:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.47 Mbit/s

95th percentile per-packet one-way delay: 93.694 ms

Loss rate: 0.63%

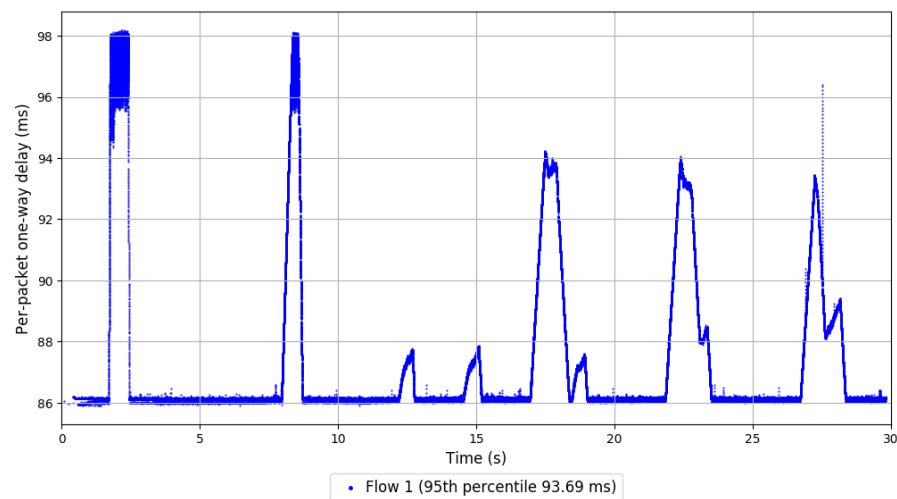
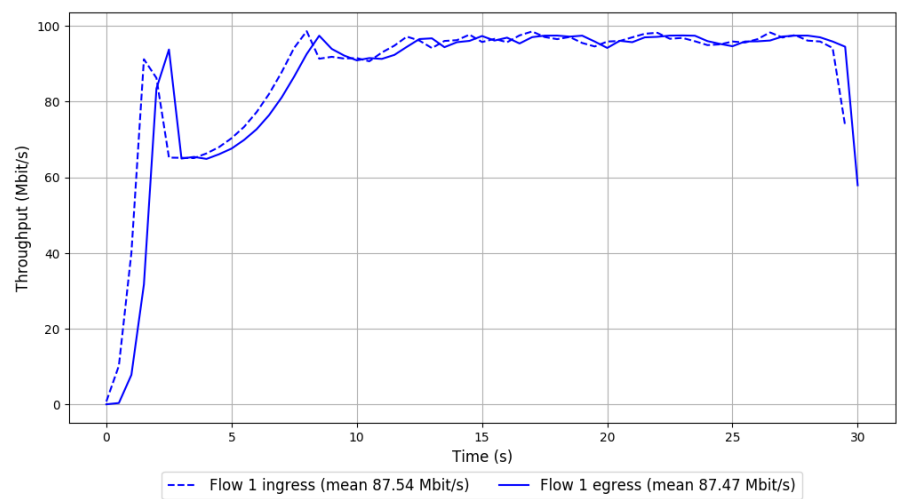
-- Flow 1:

Average throughput: 87.47 Mbit/s

95th percentile per-packet one-way delay: 93.694 ms

Loss rate: 0.63%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-05 22:25:17

End at: 2018-06-05 22:25:47

Local clock offset: -7.243 ms

Remote clock offset: 7.195 ms

Below is generated by plot.py at 2018-06-05 22:48:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.46 Mbit/s

95th percentile per-packet one-way delay: 89.521 ms

Loss rate: 0.62%

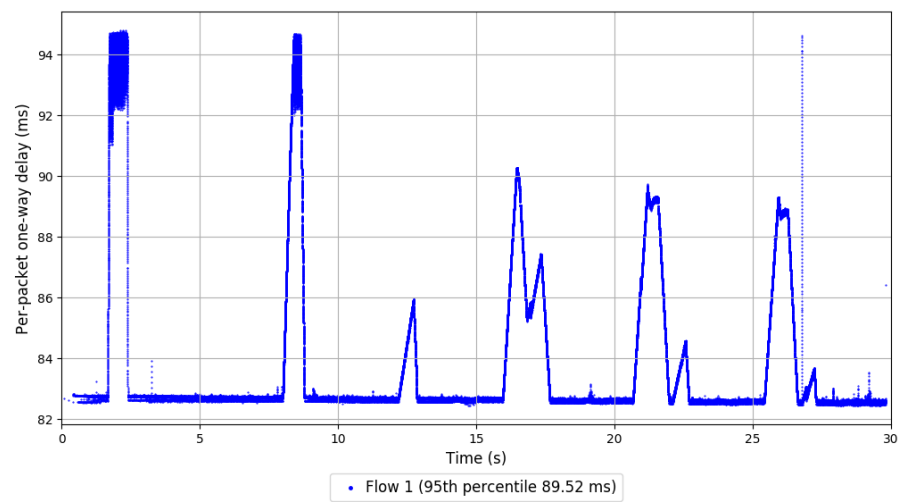
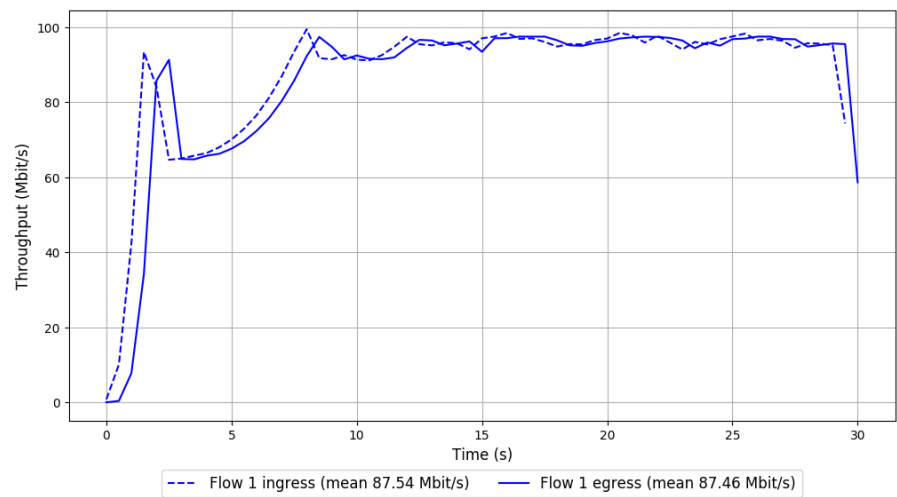
-- Flow 1:

Average throughput: 87.46 Mbit/s

95th percentile per-packet one-way delay: 89.521 ms

Loss rate: 0.62%

Run 10: Report of PCC-Allegro — Data Link

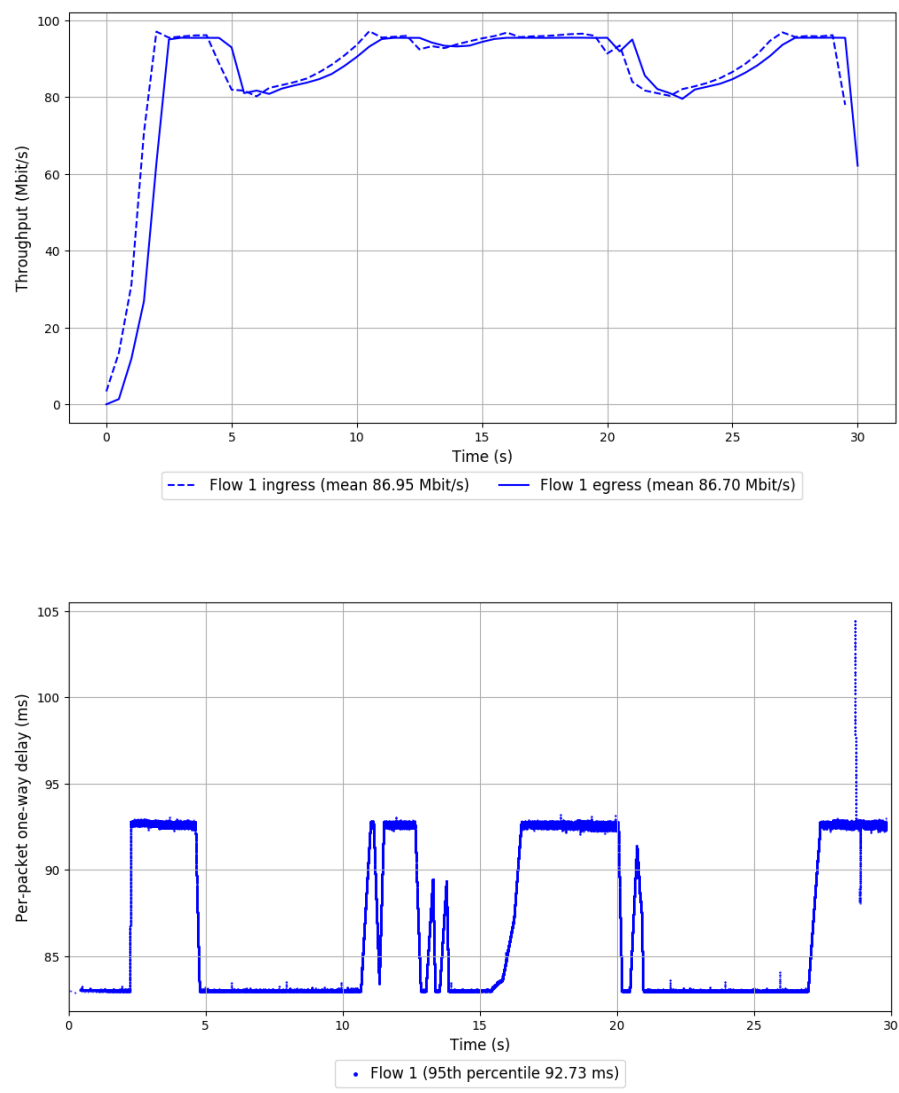


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-05 19:40:54
End at: 2018-06-05 19:41:24
Local clock offset: -1.708 ms
Remote clock offset: 10.279 ms

# Below is generated by plot.py at 2018-06-05 22:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 92.735 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 92.735 ms
Loss rate: 0.83%
```

Run 1: Report of PCC-Expr — Data Link

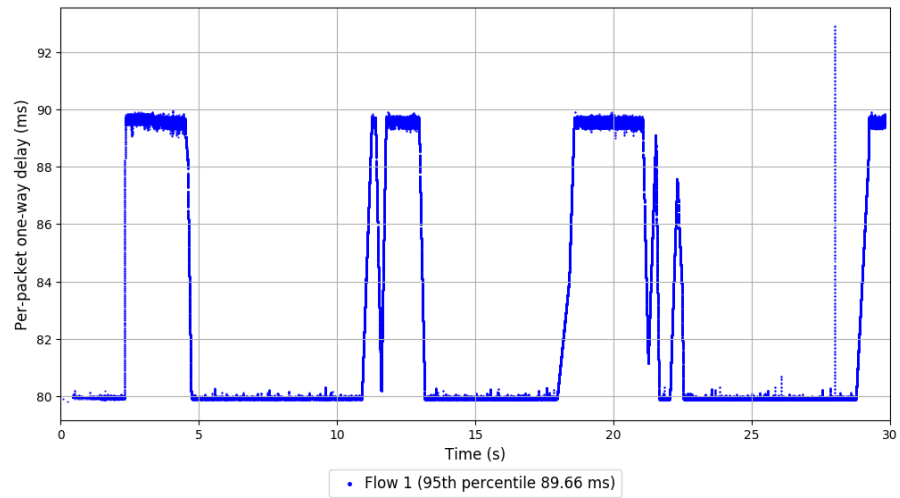
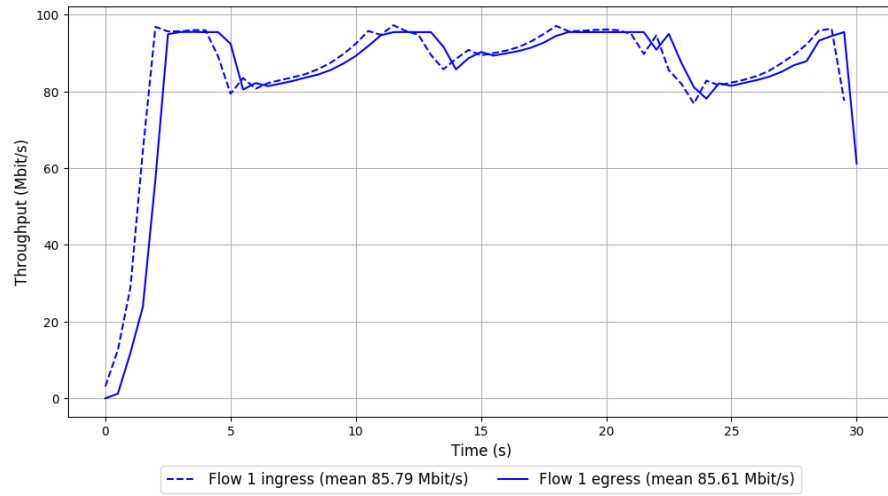


Run 2: Statistics of PCC-Expr

Start at: 2018-06-05 19:59:32
End at: 2018-06-05 20:00:02
Local clock offset: -1.674 ms
Remote clock offset: 14.557 ms

Below is generated by plot.py at 2018-06-05 22:49:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.61 Mbit/s
95th percentile per-packet one-way delay: 89.663 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 85.61 Mbit/s
95th percentile per-packet one-way delay: 89.663 ms
Loss rate: 0.76%

Run 2: Report of PCC-Expr — Data Link

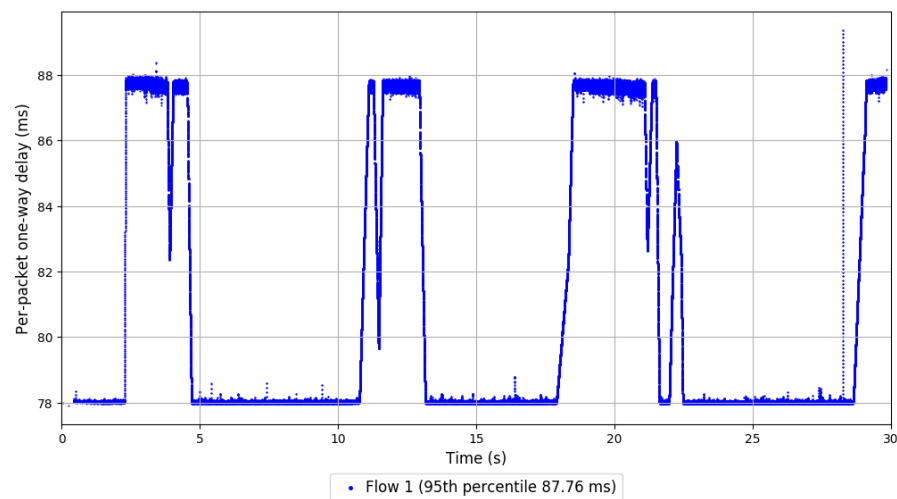
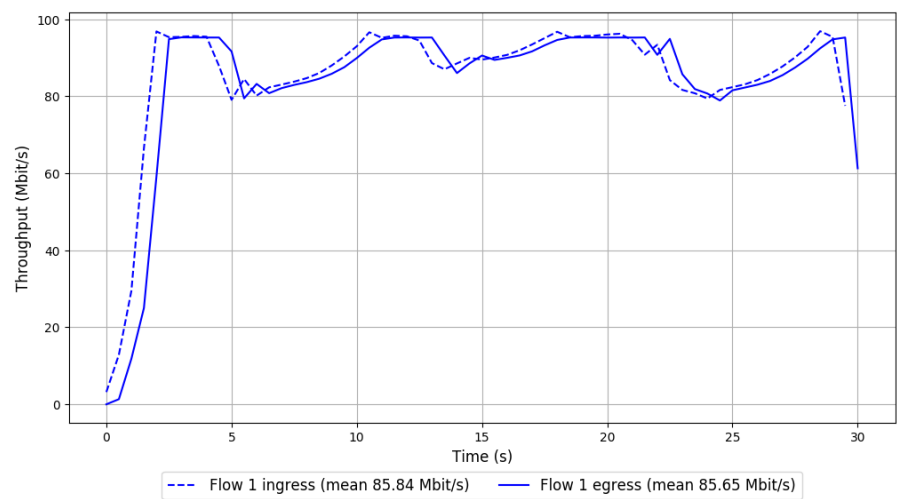


Run 3: Statistics of PCC-Expr

Start at: 2018-06-05 20:18:08
End at: 2018-06-05 20:18:38
Local clock offset: -2.328 ms
Remote clock offset: 13.369 ms

Below is generated by plot.py at 2018-06-05 22:50:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 87.764 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 87.764 ms
Loss rate: 0.76%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-06-05 20:36:53

End at: 2018-06-05 20:37:23

Local clock offset: -4.067 ms

Remote clock offset: 8.166 ms

Below is generated by plot.py at 2018-06-05 22:50:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.30 Mbit/s

95th percentile per-packet one-way delay: 91.371 ms

Loss rate: 0.80%

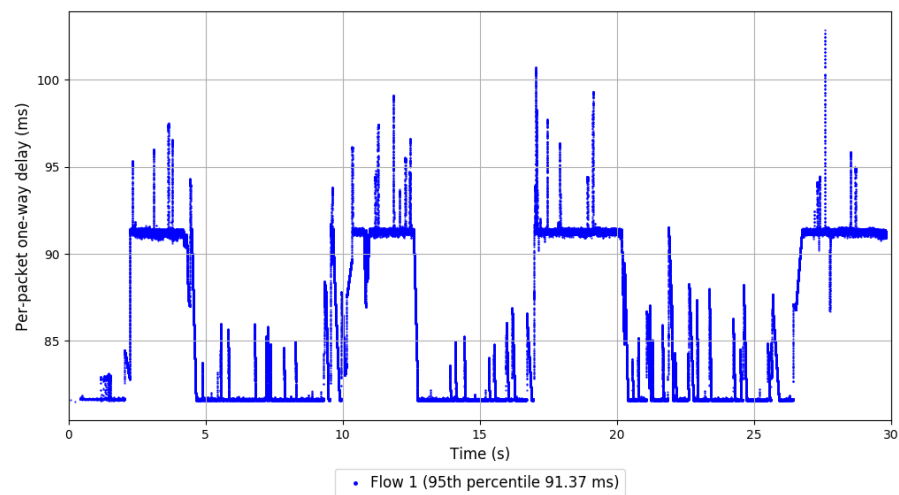
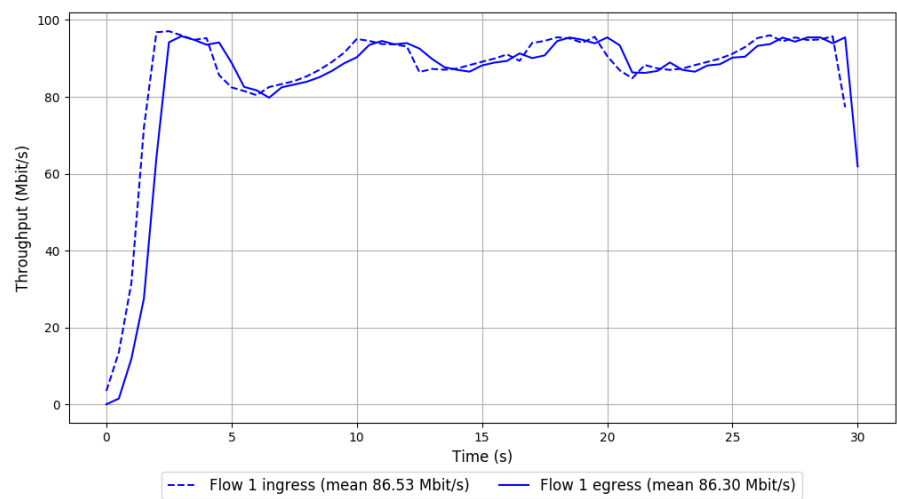
-- Flow 1:

Average throughput: 86.30 Mbit/s

95th percentile per-packet one-way delay: 91.371 ms

Loss rate: 0.80%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-05 20:55:32

End at: 2018-06-05 20:56:02

Local clock offset: -7.237 ms

Remote clock offset: 3.445 ms

Below is generated by plot.py at 2018-06-05 22:50:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.61 Mbit/s

95th percentile per-packet one-way delay: 92.409 ms

Loss rate: 0.78%

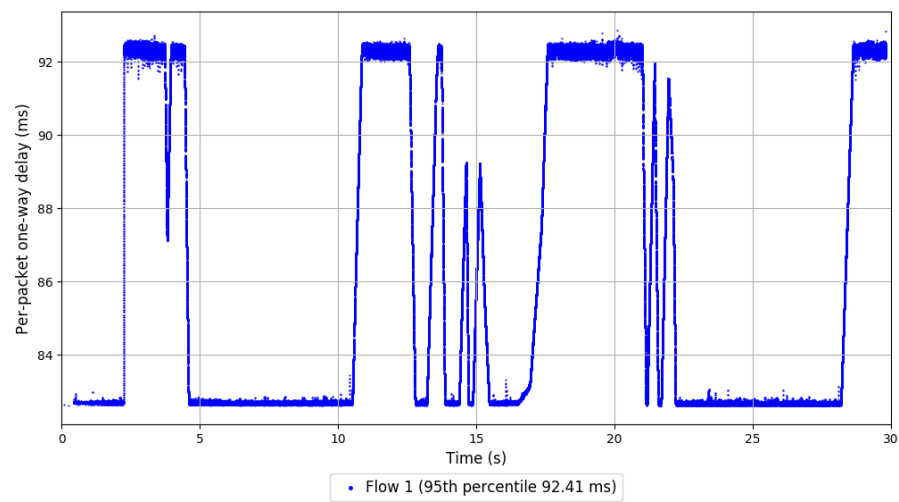
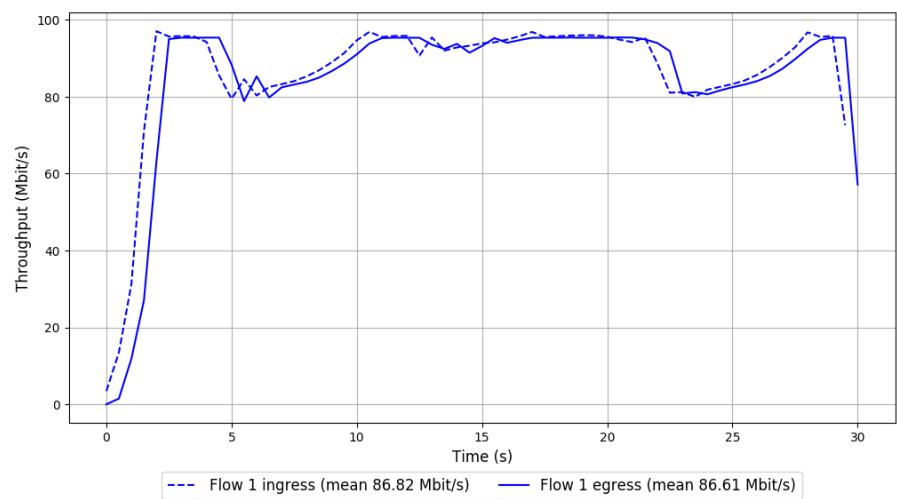
-- Flow 1:

Average throughput: 86.61 Mbit/s

95th percentile per-packet one-way delay: 92.409 ms

Loss rate: 0.78%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-05 21:14:09

End at: 2018-06-05 21:14:39

Local clock offset: -9.809 ms

Remote clock offset: 7.56 ms

Below is generated by plot.py at 2018-06-05 22:50:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.62 Mbit/s

95th percentile per-packet one-way delay: 89.456 ms

Loss rate: 0.84%

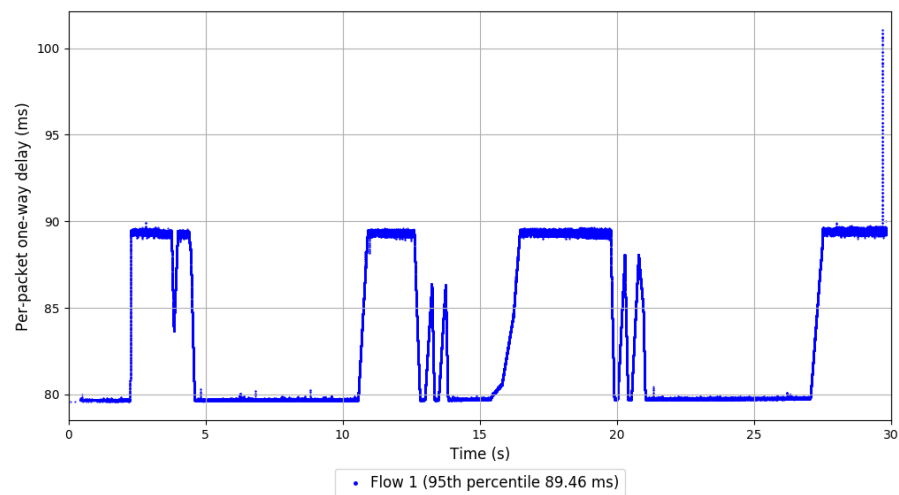
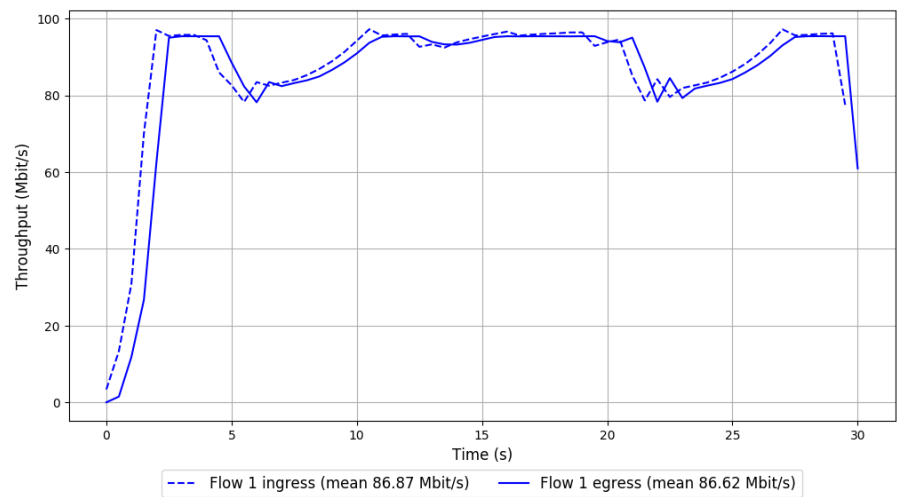
-- Flow 1:

Average throughput: 86.62 Mbit/s

95th percentile per-packet one-way delay: 89.456 ms

Loss rate: 0.84%

Run 6: Report of PCC-Expr — Data Link

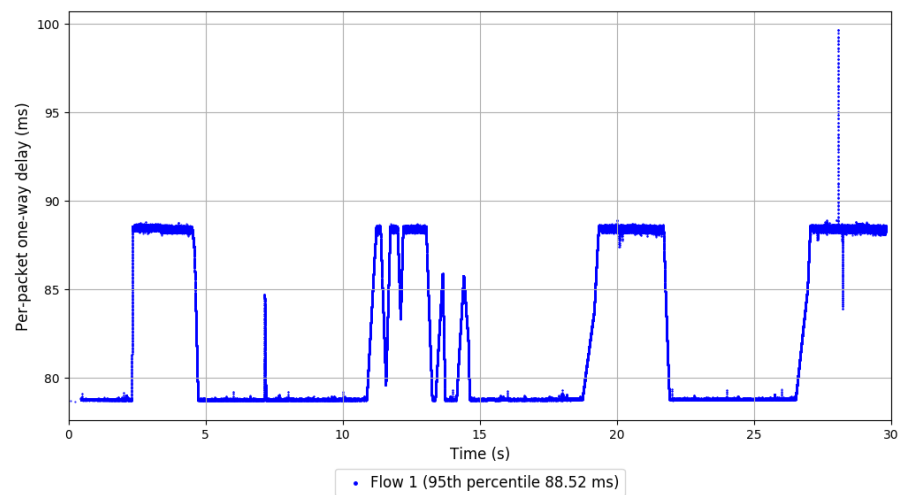
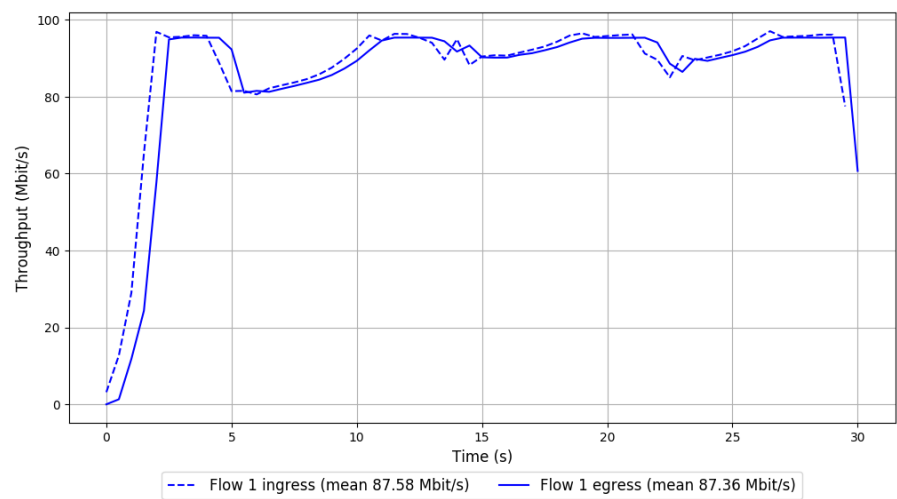


Run 7: Statistics of PCC-Expr

Start at: 2018-06-05 21:32:48
End at: 2018-06-05 21:33:18
Local clock offset: -10.068 ms
Remote clock offset: 8.446 ms

Below is generated by plot.py at 2018-06-05 22:50:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 88.517 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 88.517 ms
Loss rate: 0.79%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-05 21:51:28

End at: 2018-06-05 21:51:58

Local clock offset: -7.512 ms

Remote clock offset: 9.243 ms

Below is generated by plot.py at 2018-06-05 22:50:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.01 Mbit/s

95th percentile per-packet one-way delay: 94.168 ms

Loss rate: 0.78%

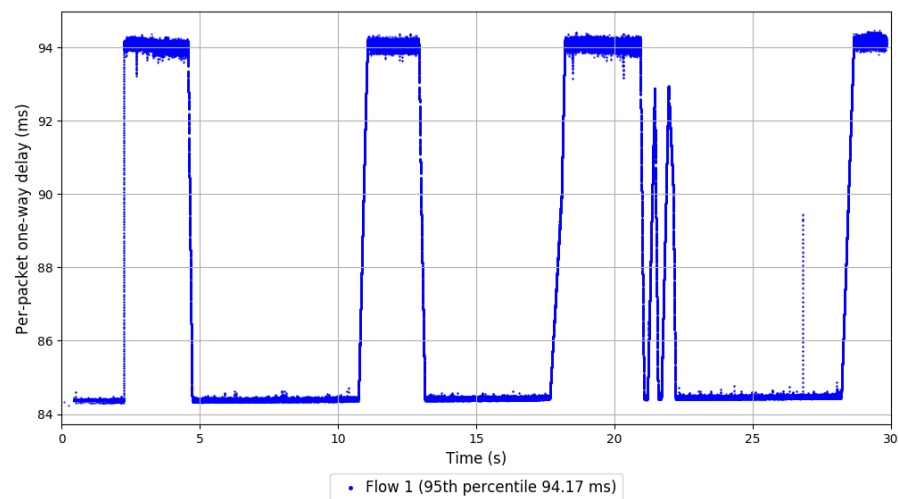
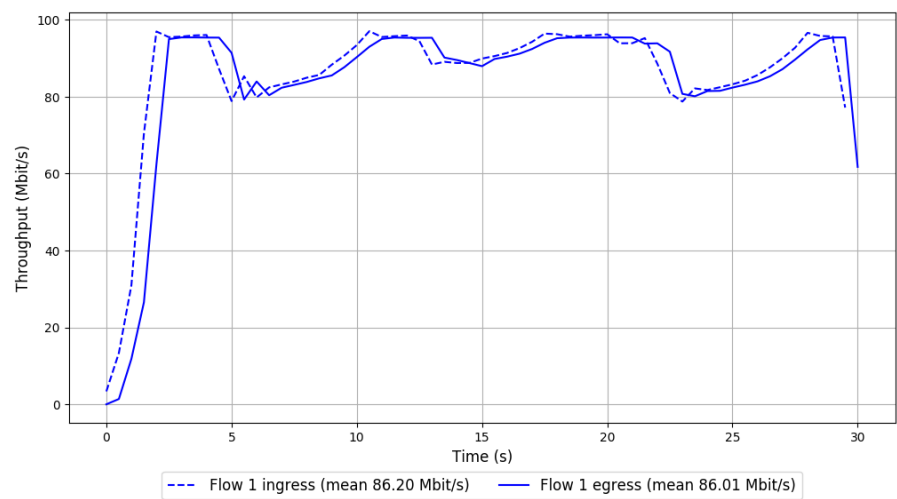
-- Flow 1:

Average throughput: 86.01 Mbit/s

95th percentile per-packet one-way delay: 94.168 ms

Loss rate: 0.78%

Run 8: Report of PCC-Expr — Data Link

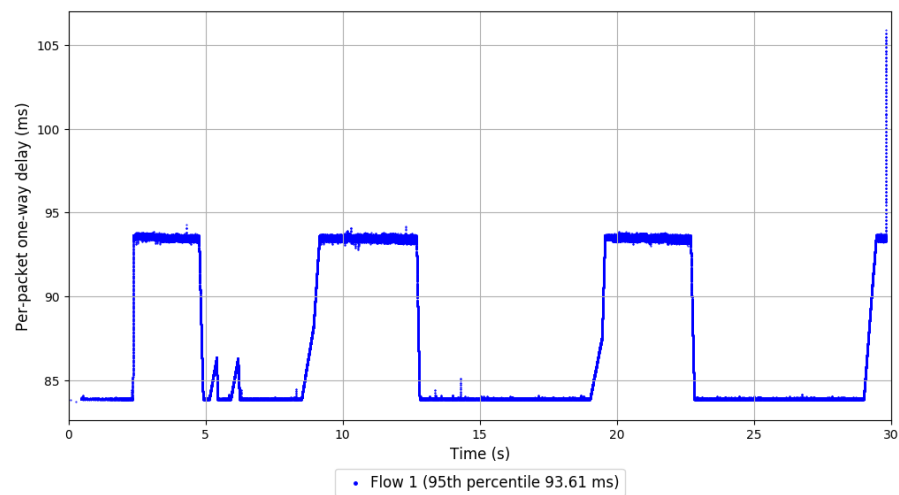
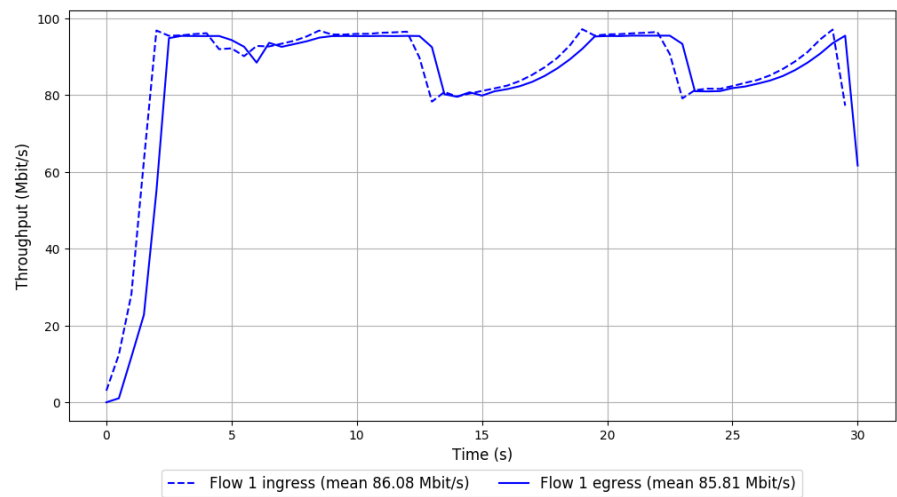


Run 9: Statistics of PCC-Expr

Start at: 2018-06-05 22:10:06
End at: 2018-06-05 22:10:36
Local clock offset: -7.695 ms
Remote clock offset: 12.264 ms

Below is generated by plot.py at 2018-06-05 22:52:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 93.607 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 93.607 ms
Loss rate: 0.85%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-05 22:28:44

End at: 2018-06-05 22:29:14

Local clock offset: -7.24 ms

Remote clock offset: 9.684 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.72 Mbit/s

95th percentile per-packet one-way delay: 90.974 ms

Loss rate: 0.81%

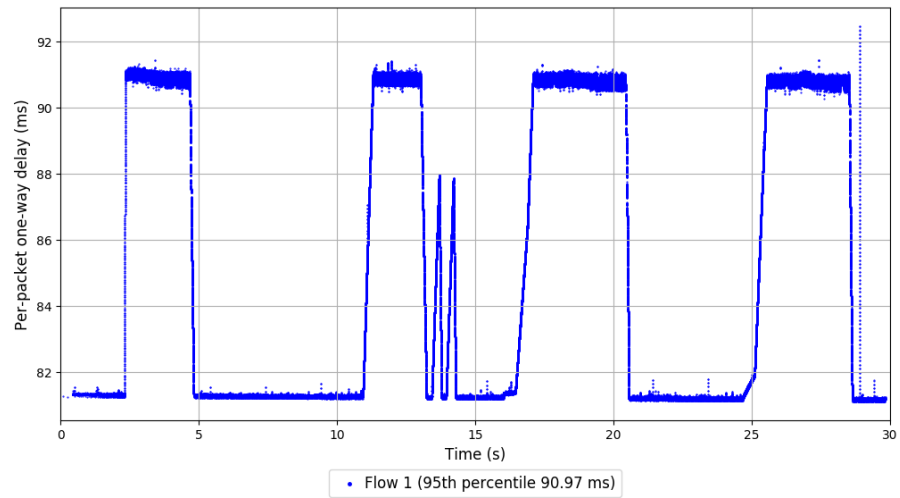
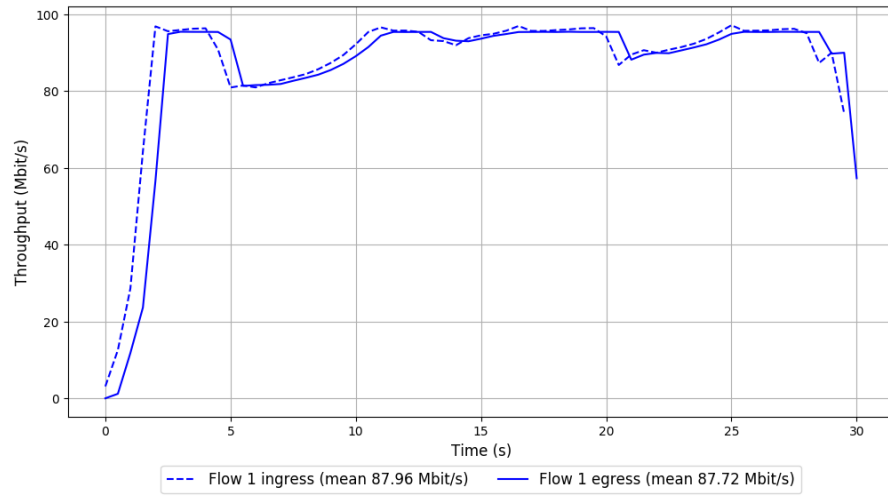
-- Flow 1:

Average throughput: 87.72 Mbit/s

95th percentile per-packet one-way delay: 90.974 ms

Loss rate: 0.81%

Run 10: Report of PCC-Expr — Data Link

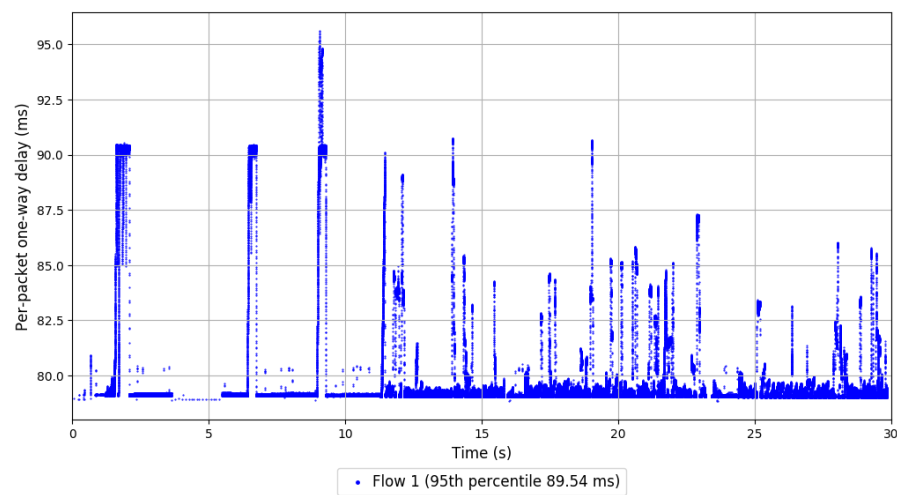
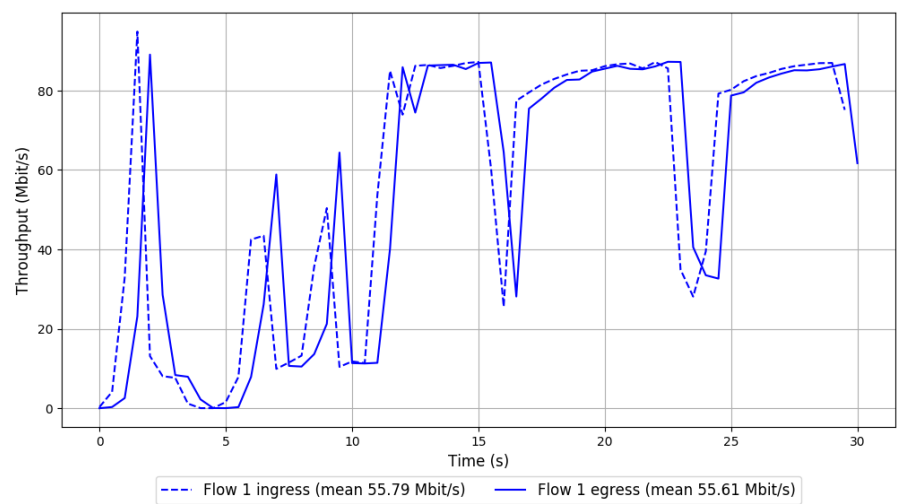


Run 1: Statistics of QUIC Cubic

Start at: 2018-06-05 19:35:10
End at: 2018-06-05 19:35:40
Local clock offset: -2.501 ms
Remote clock offset: 15.934 ms

Below is generated by plot.py at 2018-06-05 22:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.61 Mbit/s
95th percentile per-packet one-way delay: 89.536 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 55.61 Mbit/s
95th percentile per-packet one-way delay: 89.536 ms
Loss rate: 0.85%

Run 1: Report of QUIC Cubic — Data Link

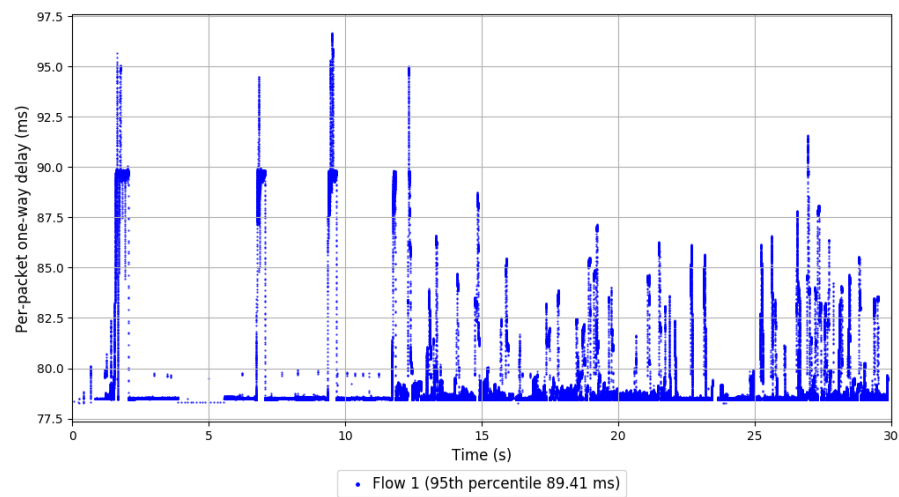
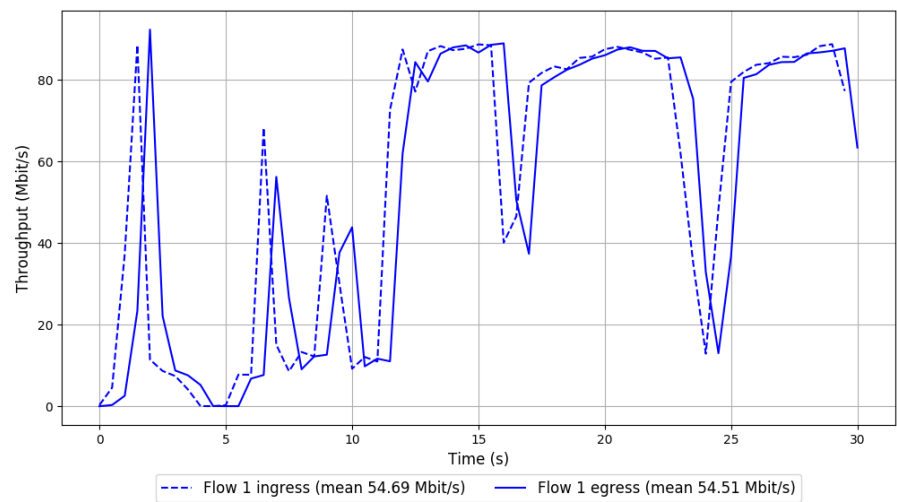


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-05 19:53:49
End at: 2018-06-05 19:54:19
Local clock offset: -1.685 ms
Remote clock offset: 13.721 ms

Below is generated by plot.py at 2018-06-05 22:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.51 Mbit/s
95th percentile per-packet one-way delay: 89.405 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 54.51 Mbit/s
95th percentile per-packet one-way delay: 89.405 ms
Loss rate: 0.88%

Run 2: Report of QUIC Cubic — Data Link

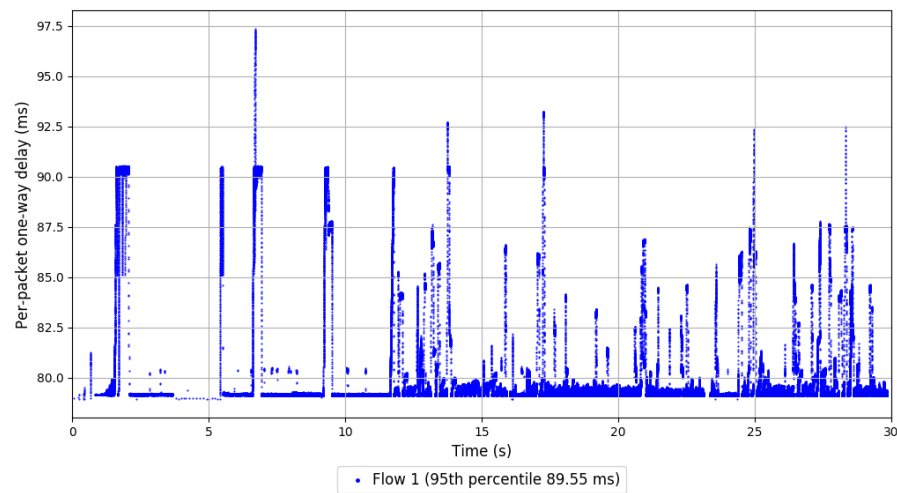
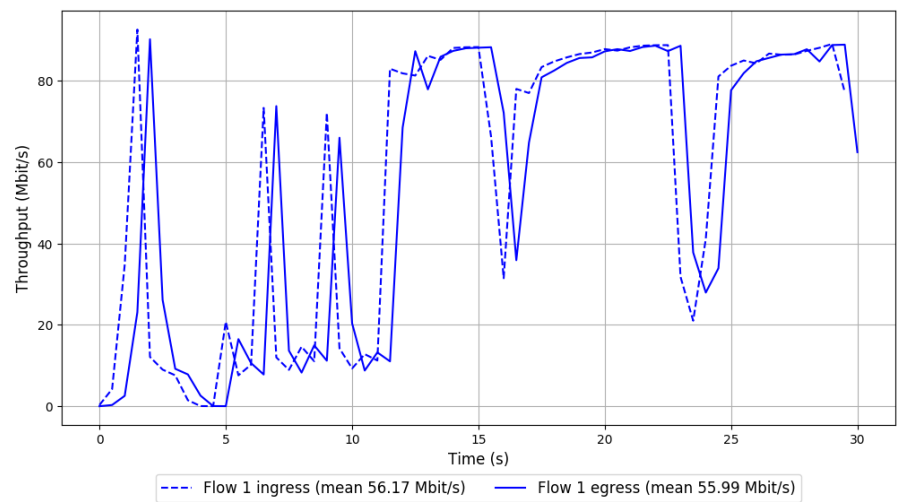


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-05 20:12:25
End at: 2018-06-05 20:12:55
Local clock offset: -2.993 ms
Remote clock offset: 13.567 ms

Below is generated by plot.py at 2018-06-05 22:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 89.550 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 89.550 ms
Loss rate: 0.88%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-05 20:31:04

End at: 2018-06-05 20:31:34

Local clock offset: -3.346 ms

Remote clock offset: 9.049 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: 91.885 ms

Loss rate: 0.87%

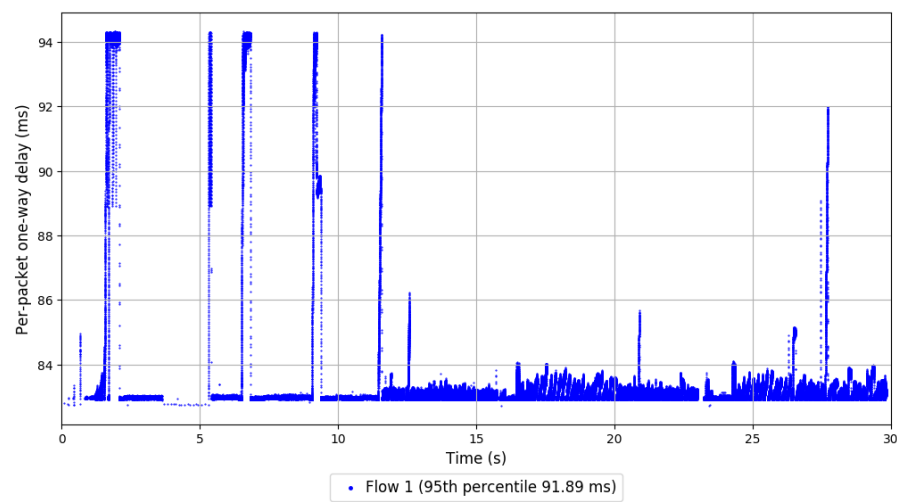
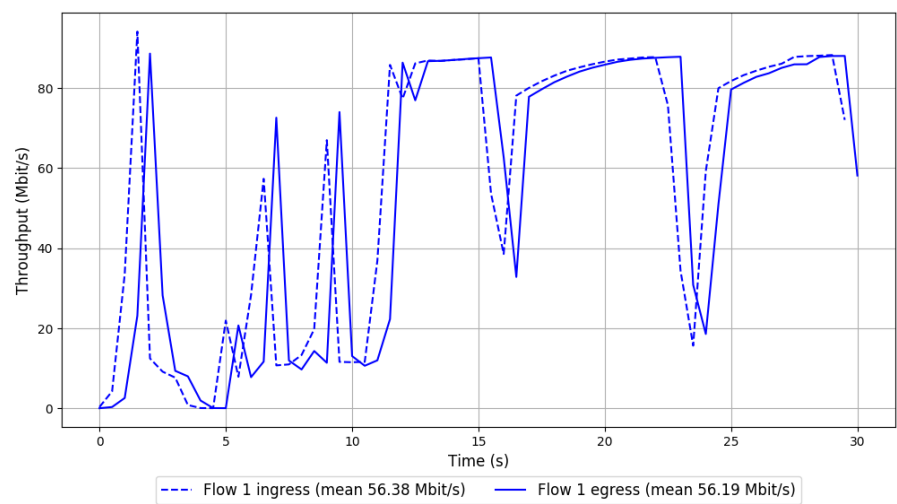
-- Flow 1:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: 91.885 ms

Loss rate: 0.87%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-05 20:49:49

End at: 2018-06-05 20:50:19

Local clock offset: -6.541 ms

Remote clock offset: 3.322 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.45 Mbit/s

95th percentile per-packet one-way delay: 93.170 ms

Loss rate: 0.78%

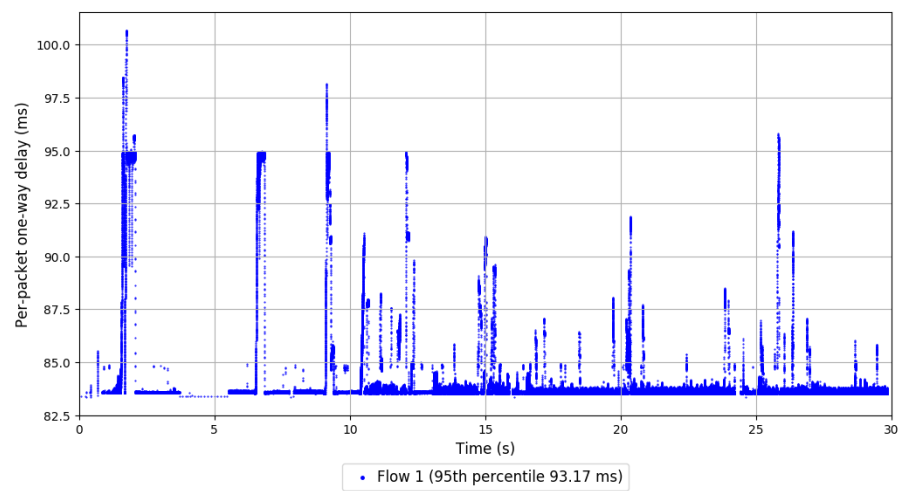
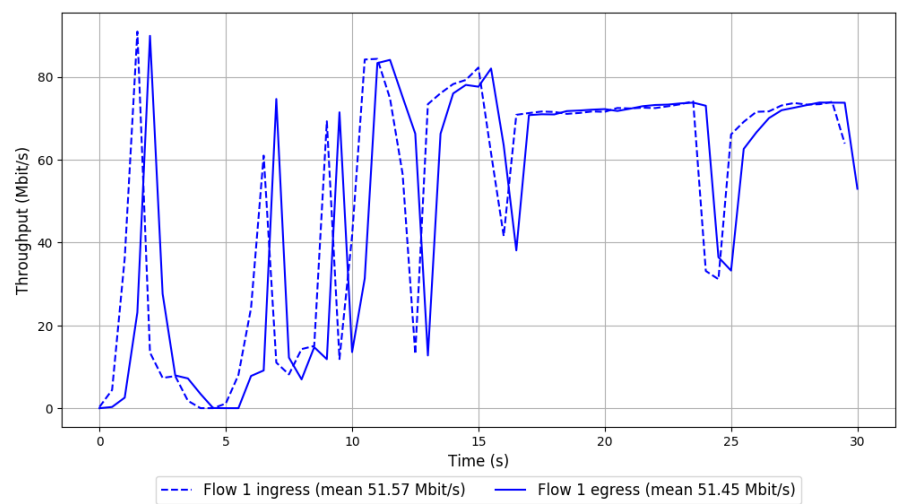
-- Flow 1:

Average throughput: 51.45 Mbit/s

95th percentile per-packet one-way delay: 93.170 ms

Loss rate: 0.78%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-05 21:08:25

End at: 2018-06-05 21:08:55

Local clock offset: -8.847 ms

Remote clock offset: 7.027 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.39 Mbit/s

95th percentile per-packet one-way delay: 87.161 ms

Loss rate: 0.87%

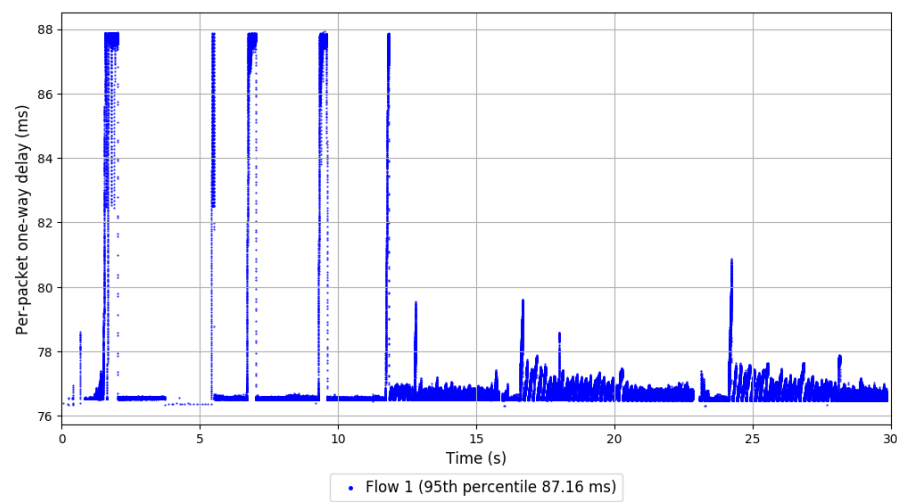
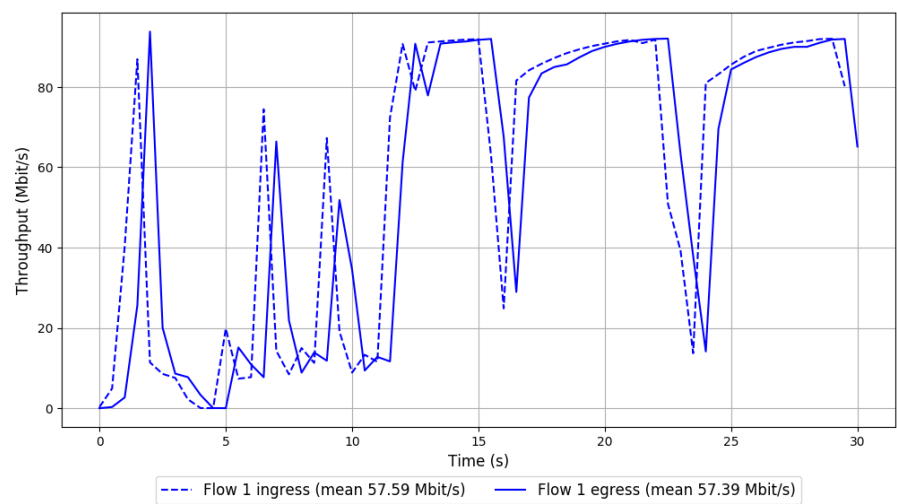
-- Flow 1:

Average throughput: 57.39 Mbit/s

95th percentile per-packet one-way delay: 87.161 ms

Loss rate: 0.87%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-05 21:27:05

End at: 2018-06-05 21:27:35

Local clock offset: -8.955 ms

Remote clock offset: 5.357 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.34 Mbit/s

95th percentile per-packet one-way delay: 95.596 ms

Loss rate: 1.02%

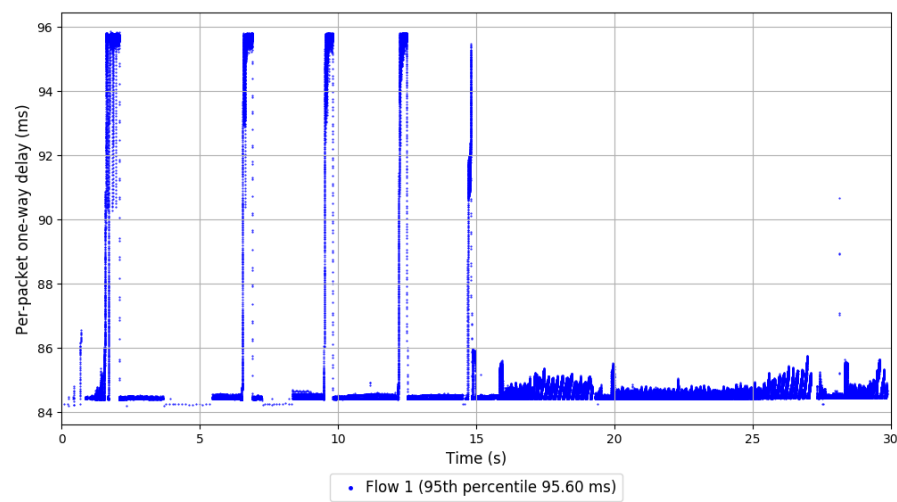
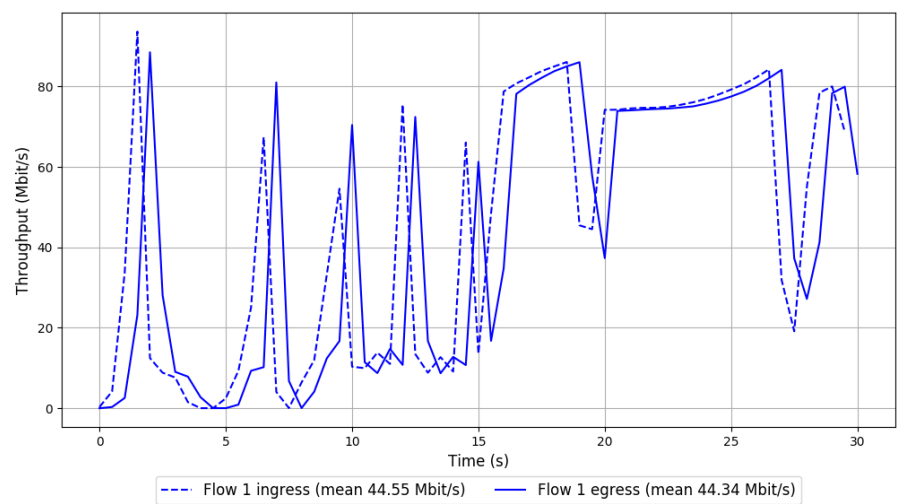
-- Flow 1:

Average throughput: 44.34 Mbit/s

95th percentile per-packet one-way delay: 95.596 ms

Loss rate: 1.02%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-05 21:45:44

End at: 2018-06-05 21:46:14

Local clock offset: -8.475 ms

Remote clock offset: 7.106 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.36 Mbit/s

95th percentile per-packet one-way delay: 91.178 ms

Loss rate: 0.86%

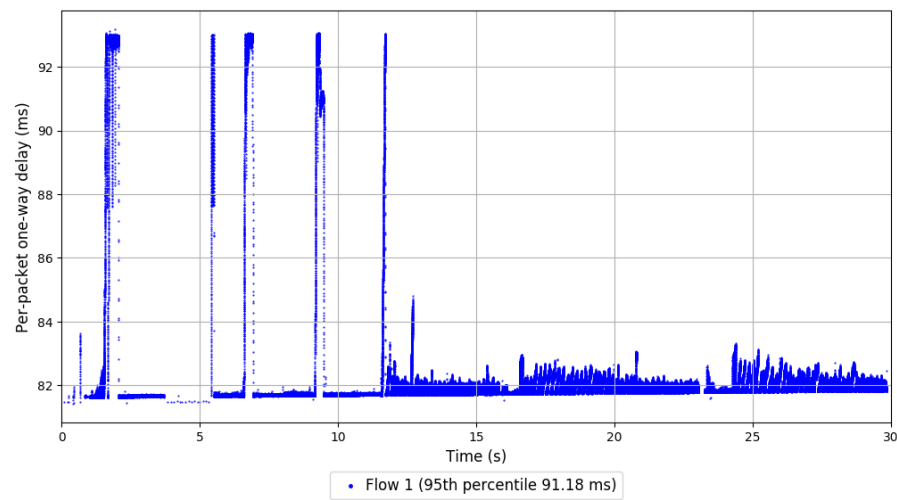
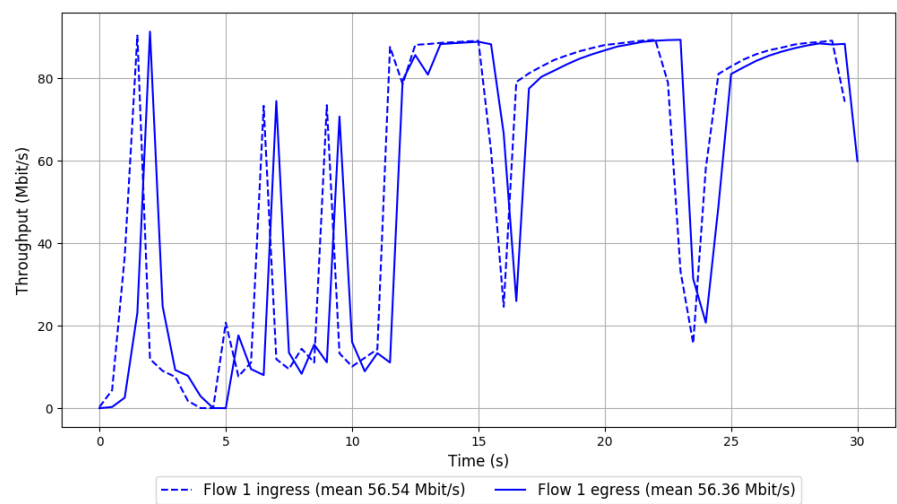
-- Flow 1:

Average throughput: 56.36 Mbit/s

95th percentile per-packet one-way delay: 91.178 ms

Loss rate: 0.86%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-05 22:04:22

End at: 2018-06-05 22:04:52

Local clock offset: -8.266 ms

Remote clock offset: 14.601 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.99 Mbit/s

95th percentile per-packet one-way delay: 89.039 ms

Loss rate: 0.87%

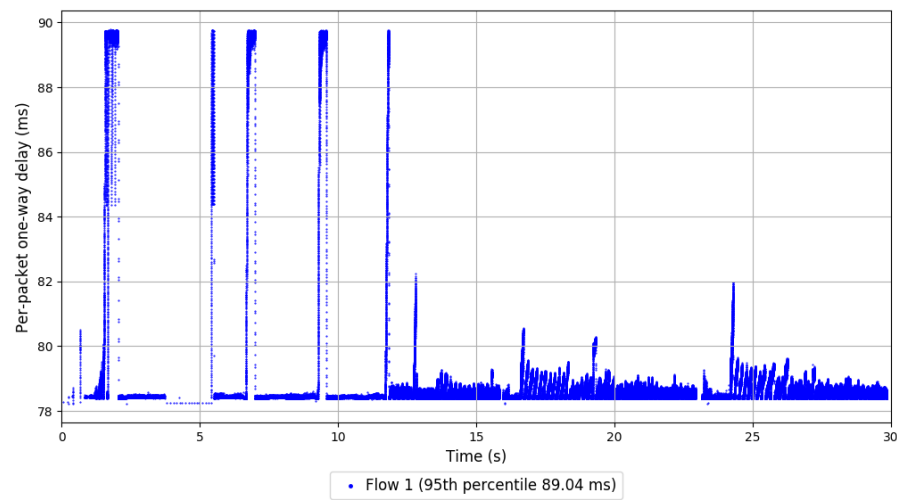
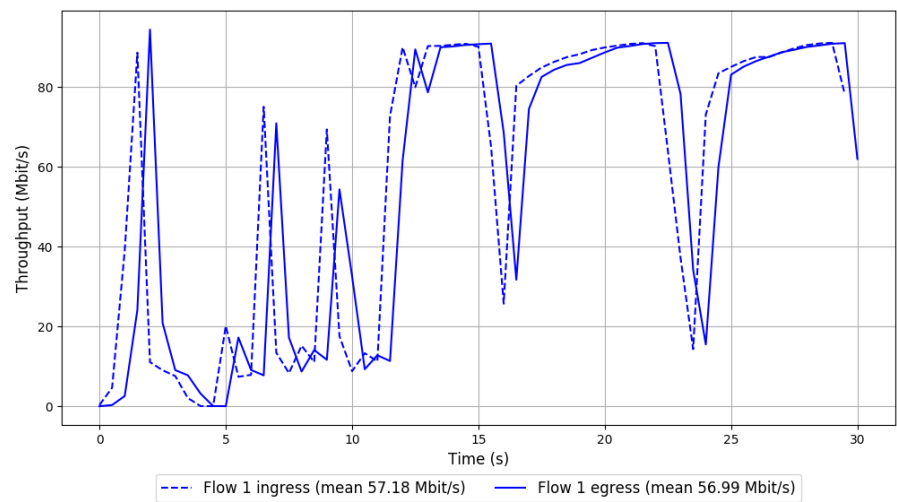
-- Flow 1:

Average throughput: 56.99 Mbit/s

95th percentile per-packet one-way delay: 89.039 ms

Loss rate: 0.87%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-05 22:23:01

End at: 2018-06-05 22:23:31

Local clock offset: -7.28 ms

Remote clock offset: 13.234 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.24 Mbit/s

95th percentile per-packet one-way delay: 89.217 ms

Loss rate: 0.87%

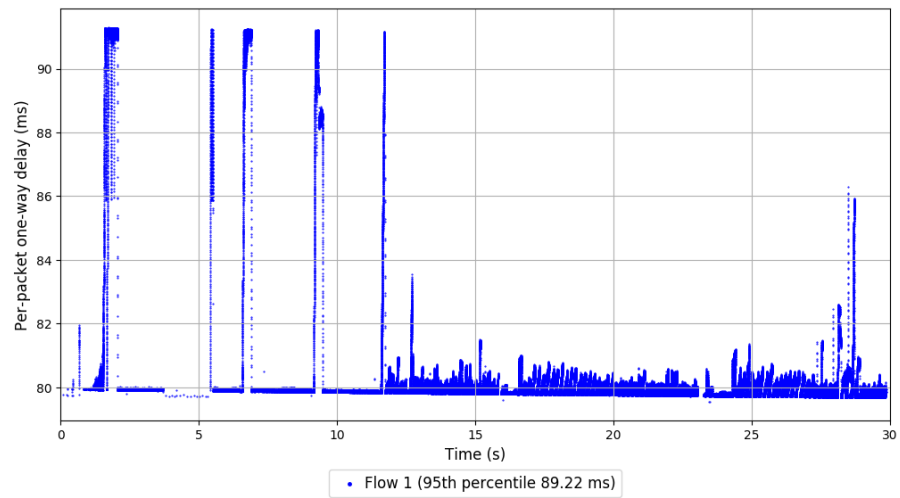
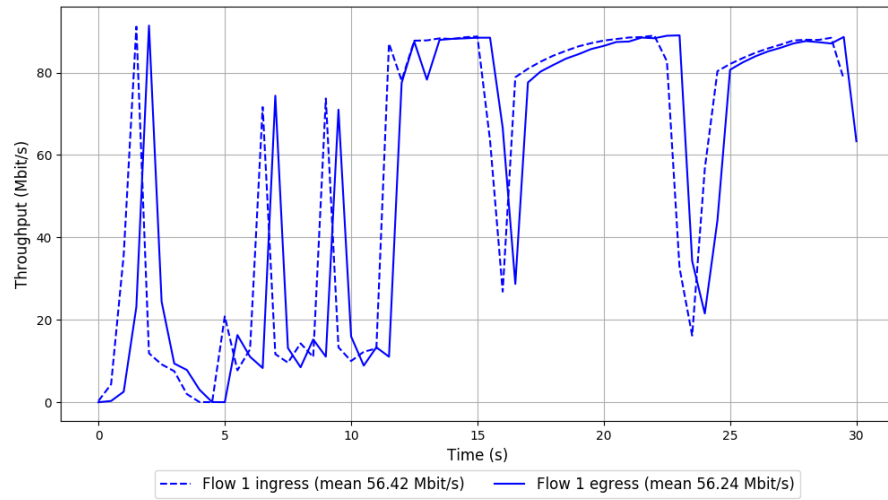
-- Flow 1:

Average throughput: 56.24 Mbit/s

95th percentile per-packet one-way delay: 89.217 ms

Loss rate: 0.87%

Run 10: Report of QUIC Cubic — Data Link

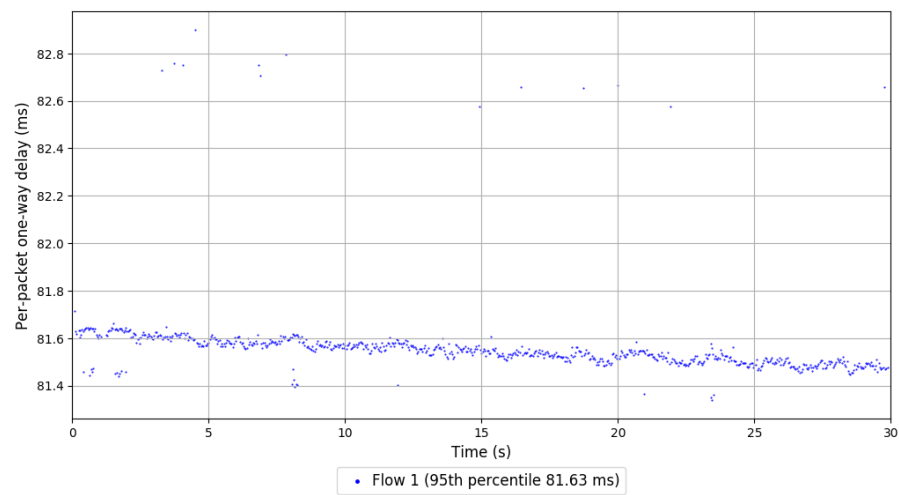
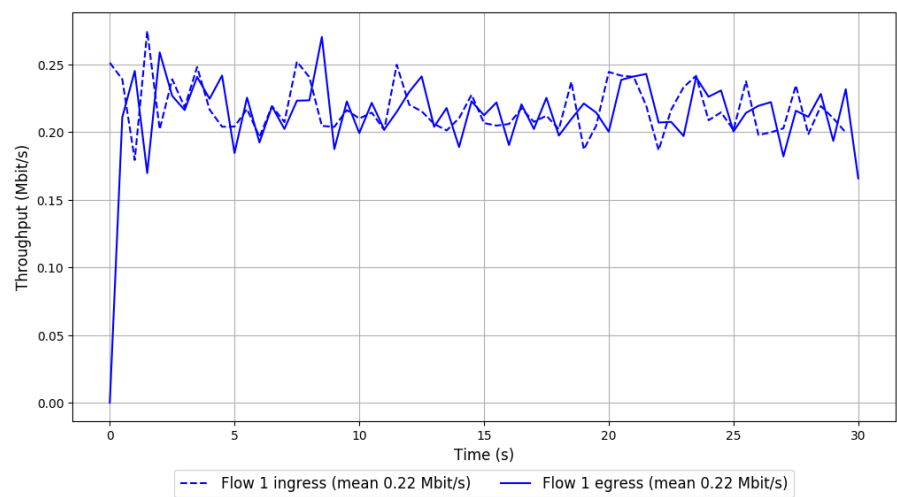


Run 1: Statistics of SCReAM

Start at: 2018-06-05 19:31:41
End at: 2018-06-05 19:32:11
Local clock offset: -1.734 ms
Remote clock offset: 12.782 ms

Below is generated by plot.py at 2018-06-05 22:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.634 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.634 ms
Loss rate: 0.51%

Run 1: Report of SReAM — Data Link

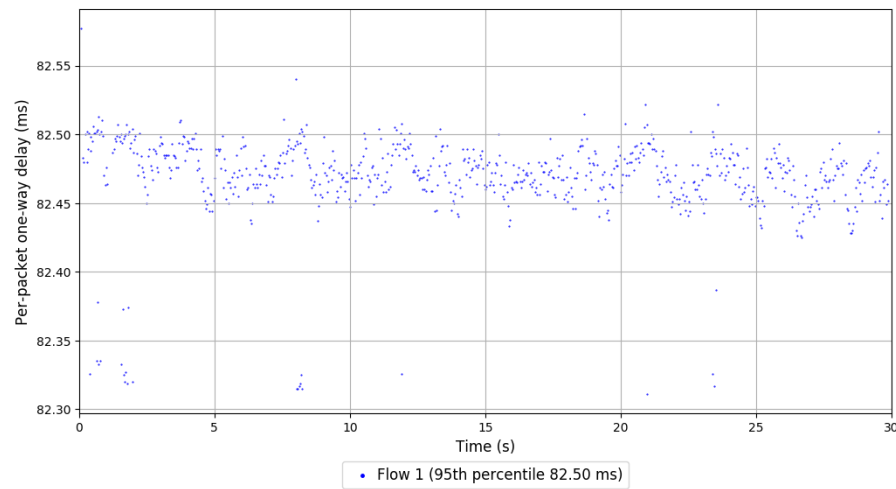
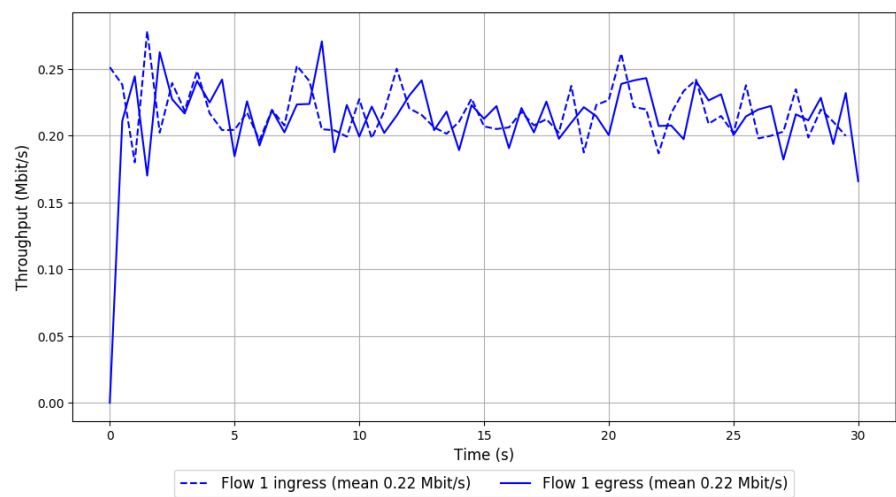


Run 2: Statistics of SCReAM

Start at: 2018-06-05 19:50:20
End at: 2018-06-05 19:50:50
Local clock offset: -0.925 ms
Remote clock offset: 11.046 ms

Below is generated by plot.py at 2018-06-05 22:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.501 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.501 ms
Loss rate: 0.51%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-06-05 20:08:57

End at: 2018-06-05 20:09:27

Local clock offset: -2.003 ms

Remote clock offset: 13.88 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 77.643 ms

Loss rate: 0.51%

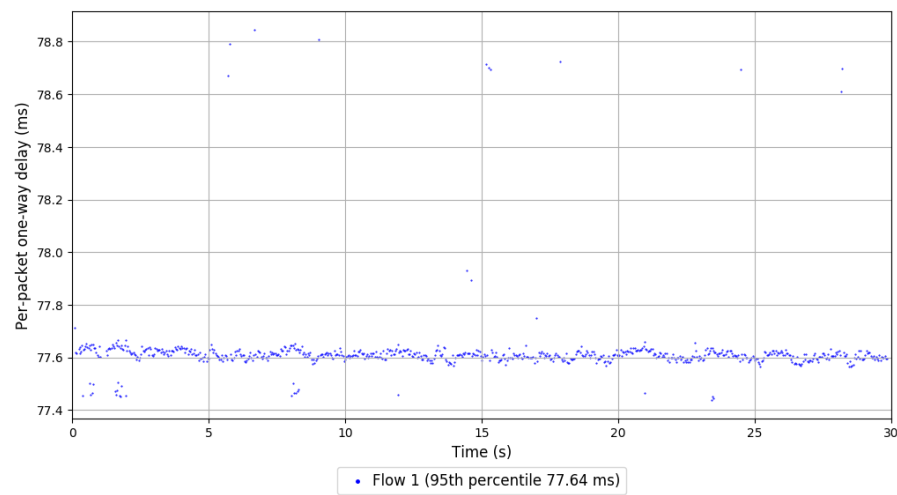
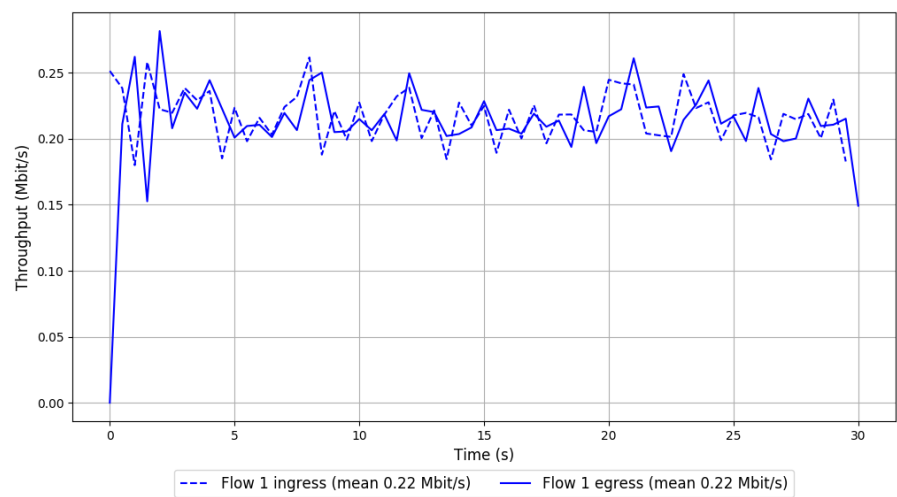
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 77.643 ms

Loss rate: 0.51%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-06-05 20:27:36

End at: 2018-06-05 20:28:06

Local clock offset: -1.757 ms

Remote clock offset: 9.157 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.308 ms

Loss rate: 0.51%

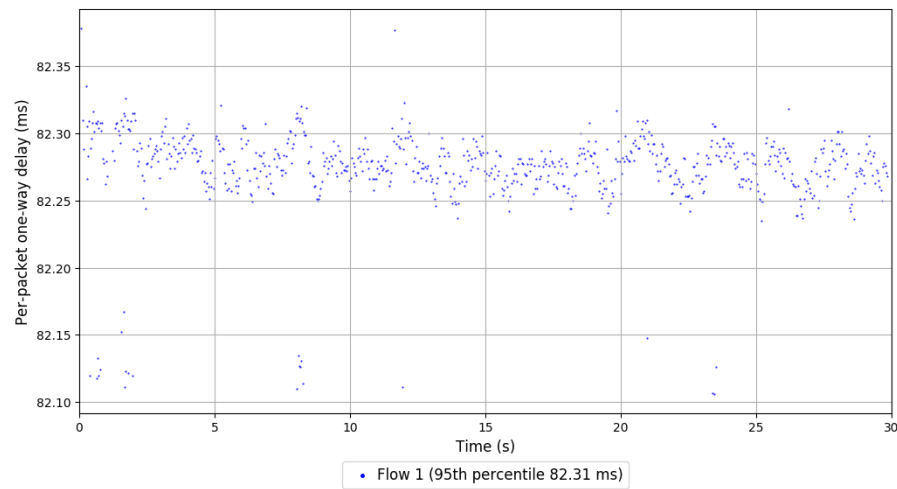
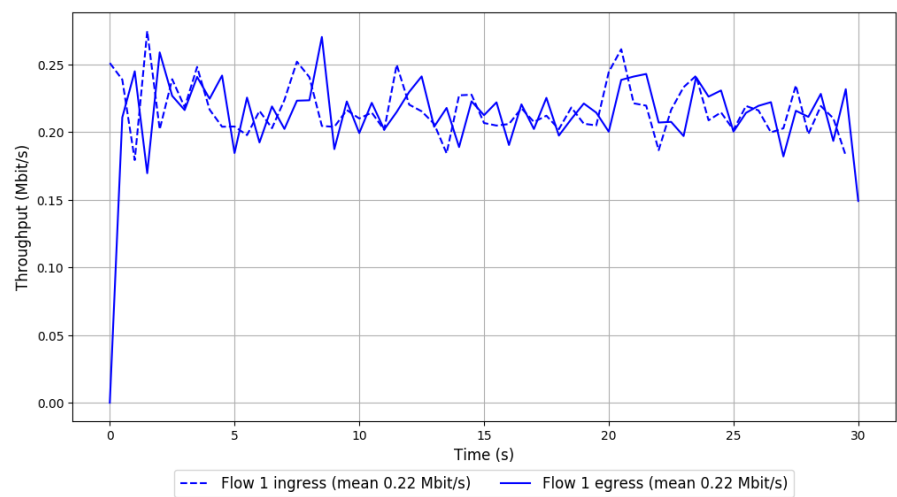
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.308 ms

Loss rate: 0.51%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-06-05 20:46:20

End at: 2018-06-05 20:46:50

Local clock offset: -5.931 ms

Remote clock offset: 5.142 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.520 ms

Loss rate: 0.51%

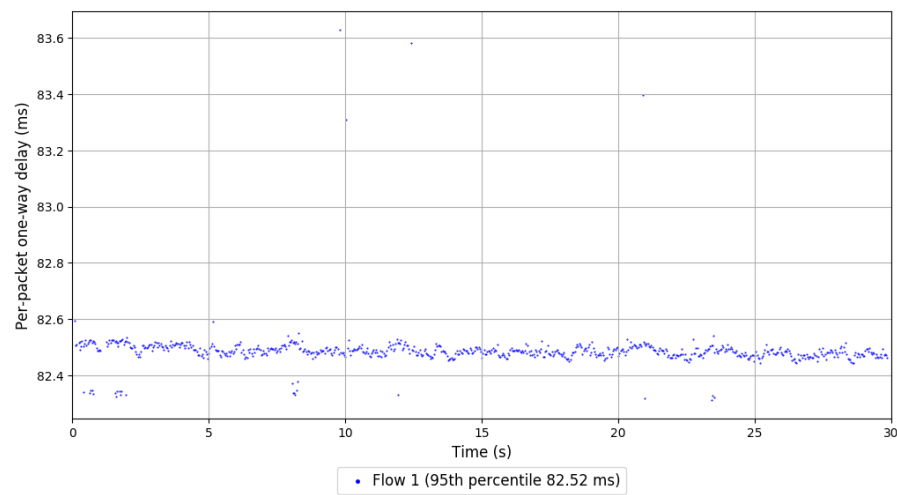
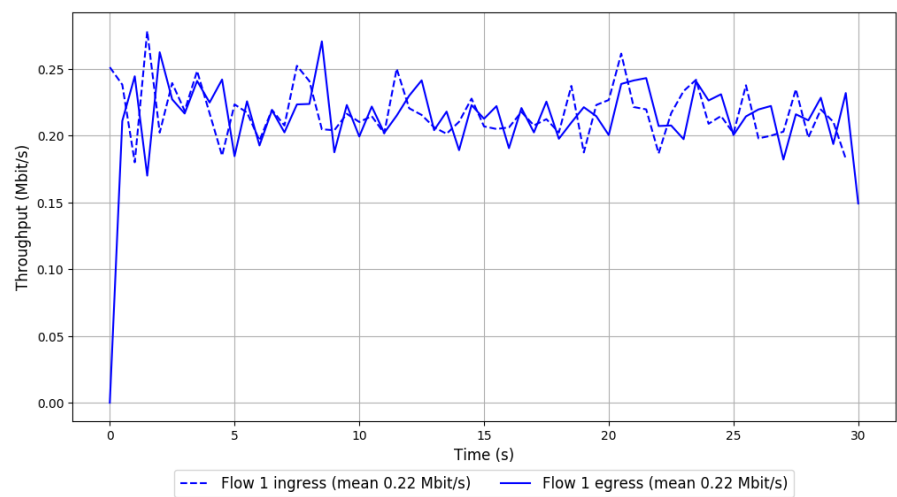
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.520 ms

Loss rate: 0.51%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-06-05 21:04:57

End at: 2018-06-05 21:05:27

Local clock offset: -9.645 ms

Remote clock offset: 1.382 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.690 ms

Loss rate: 0.51%

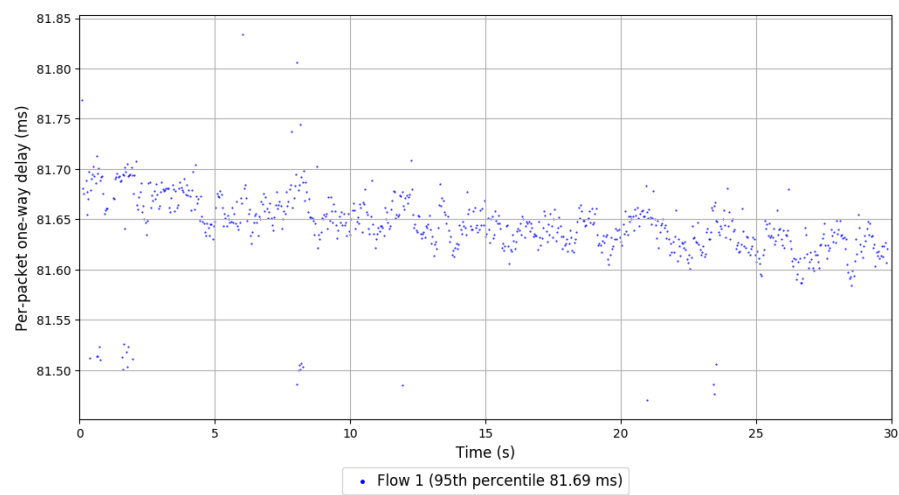
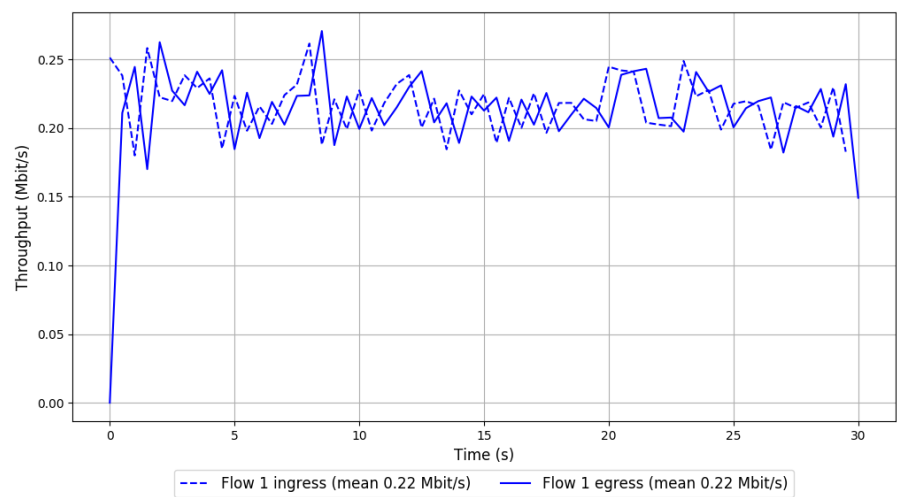
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.690 ms

Loss rate: 0.51%

Run 6: Report of SReAM — Data Link

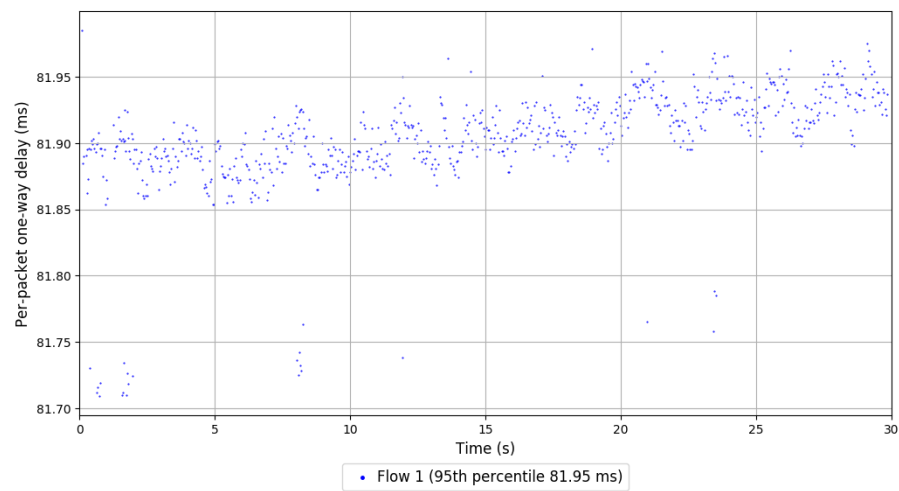
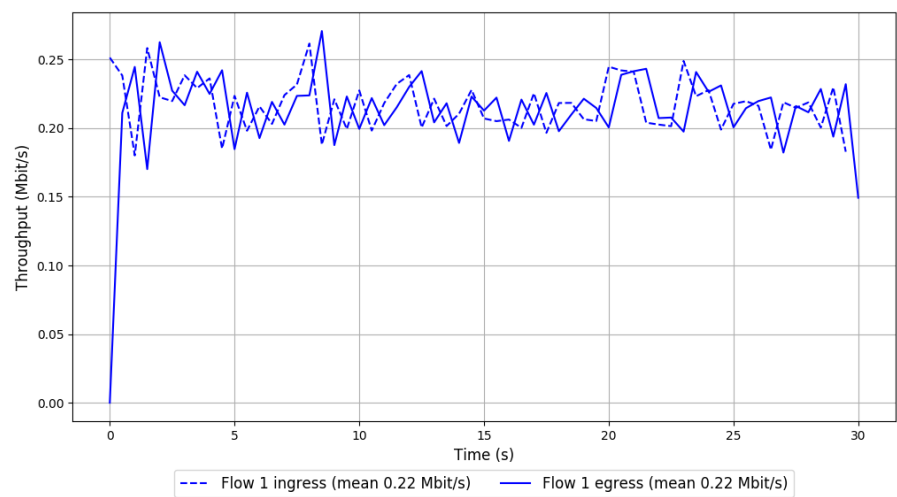


Run 7: Statistics of SCReAM

Start at: 2018-06-05 21:23:36
End at: 2018-06-05 21:24:06
Local clock offset: -10.282 ms
Remote clock offset: 4.169 ms

Below is generated by plot.py at 2018-06-05 22:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.951 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.951 ms
Loss rate: 0.51%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-06-05 21:42:16

End at: 2018-06-05 21:42:46

Local clock offset: -9.504 ms

Remote clock offset: 4.61 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.339 ms

Loss rate: 0.64%

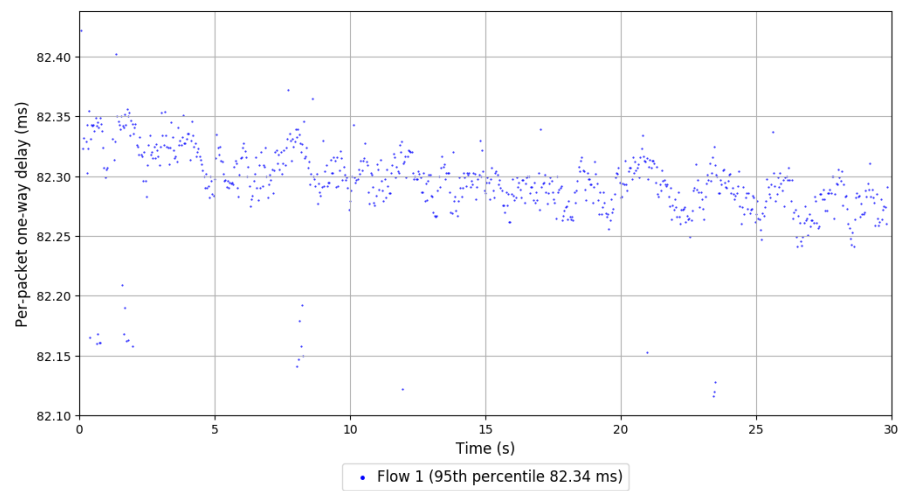
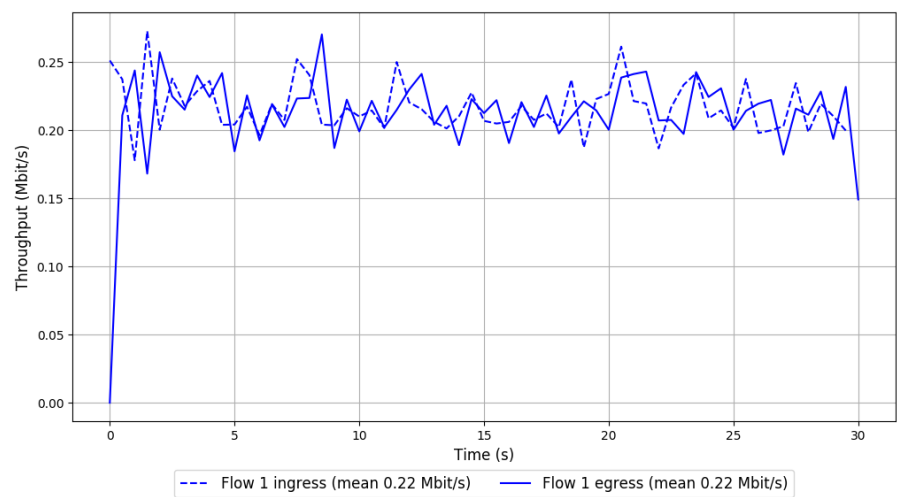
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.339 ms

Loss rate: 0.64%

Run 8: Report of SReAM — Data Link

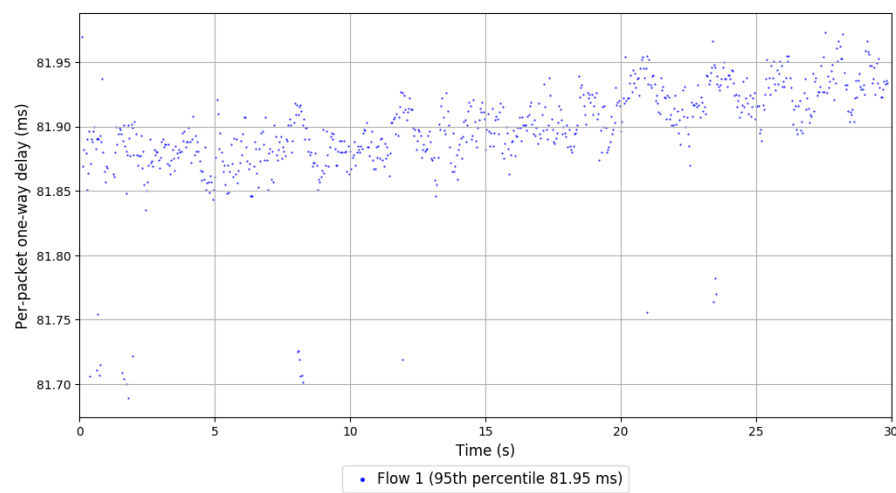
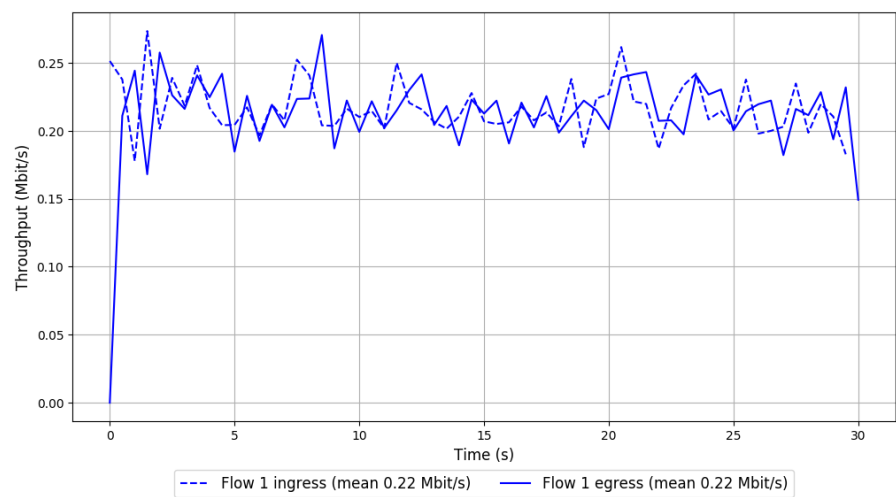


Run 9: Statistics of SCReAM

Start at: 2018-06-05 22:00:55
End at: 2018-06-05 22:01:25
Local clock offset: -7.504 ms
Remote clock offset: 14.006 ms

Below is generated by plot.py at 2018-06-05 22:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.946 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.946 ms
Loss rate: 0.51%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-06-05 22:19:32

End at: 2018-06-05 22:20:02

Local clock offset: -7.318 ms

Remote clock offset: 11.38 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.315 ms

Loss rate: 0.51%

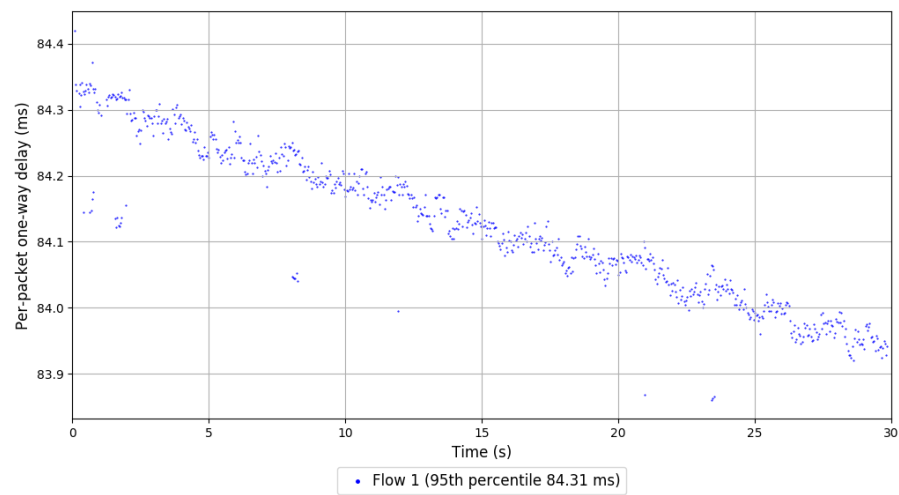
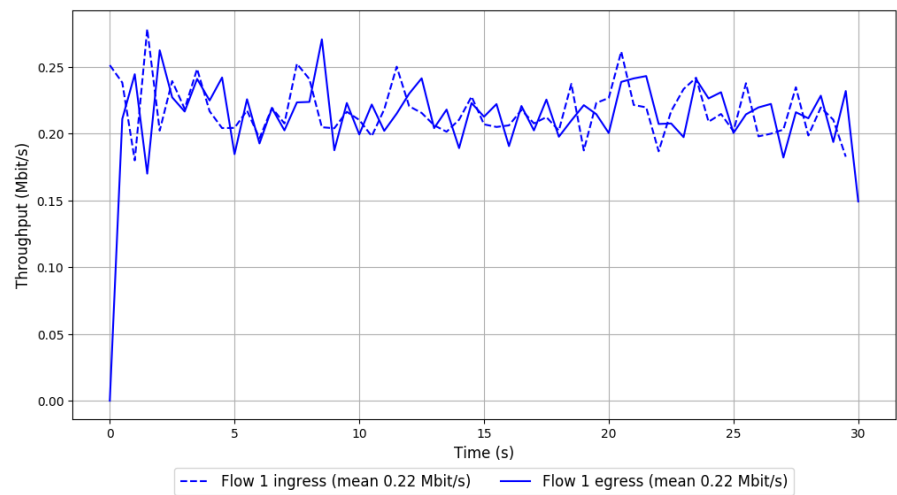
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.315 ms

Loss rate: 0.51%

Run 10: Report of SReAM — Data Link

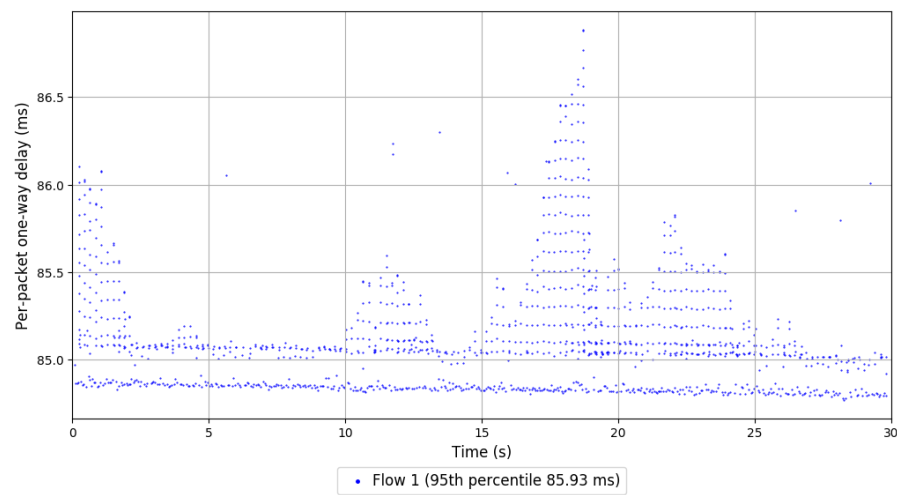
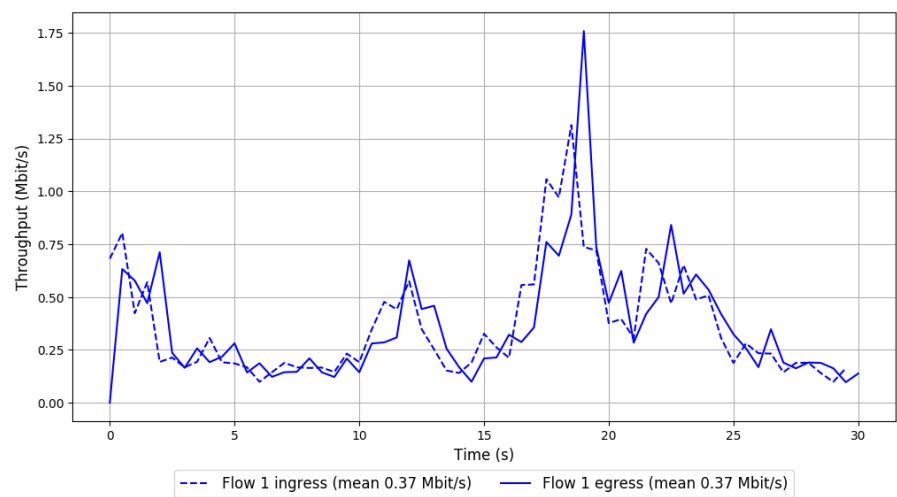


Run 1: Statistics of Sprout

Start at: 2018-06-05 19:36:20
End at: 2018-06-05 19:36:50
Local clock offset: -1.784 ms
Remote clock offset: 10.759 ms

Below is generated by plot.py at 2018-06-05 22:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 85.928 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 85.928 ms
Loss rate: 0.13%

Run 1: Report of Sprout — Data Link

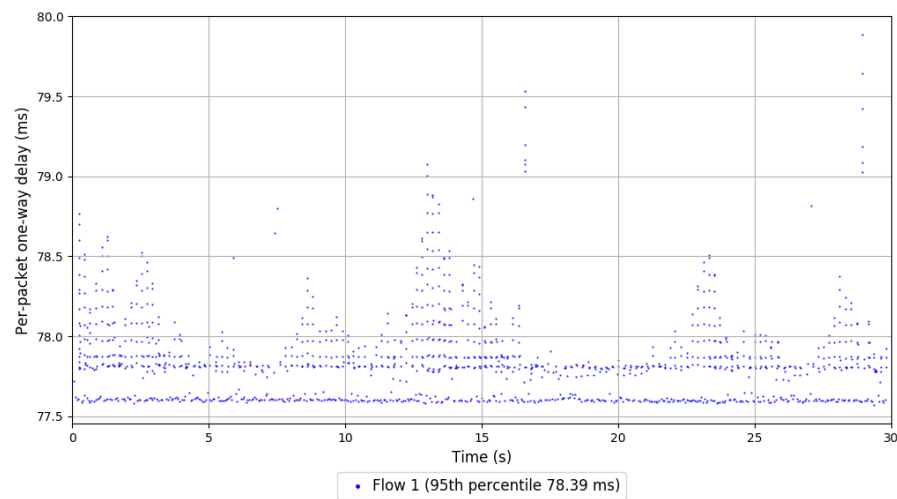
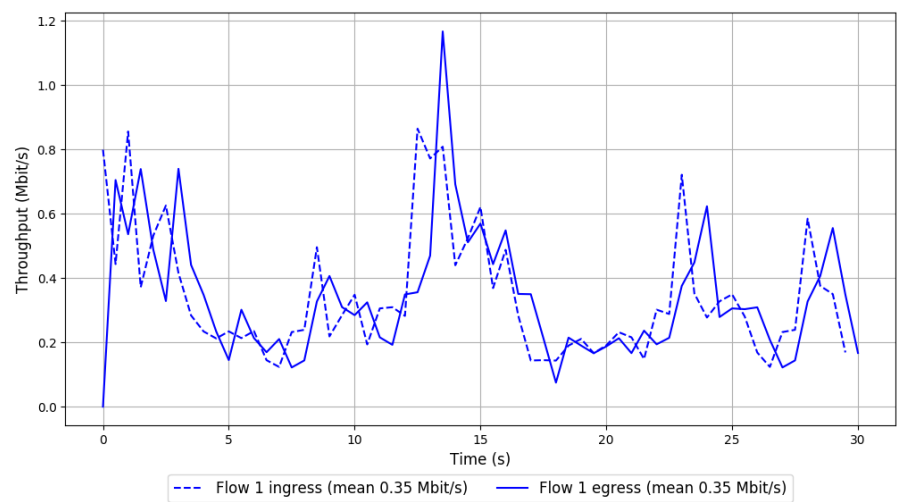


Run 2: Statistics of Sprout

Start at: 2018-06-05 19:54:58
End at: 2018-06-05 19:55:28
Local clock offset: -1.7 ms
Remote clock offset: 14.759 ms

Below is generated by plot.py at 2018-06-05 22:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 78.395 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 78.395 ms
Loss rate: 0.02%

Run 2: Report of Sprout — Data Link

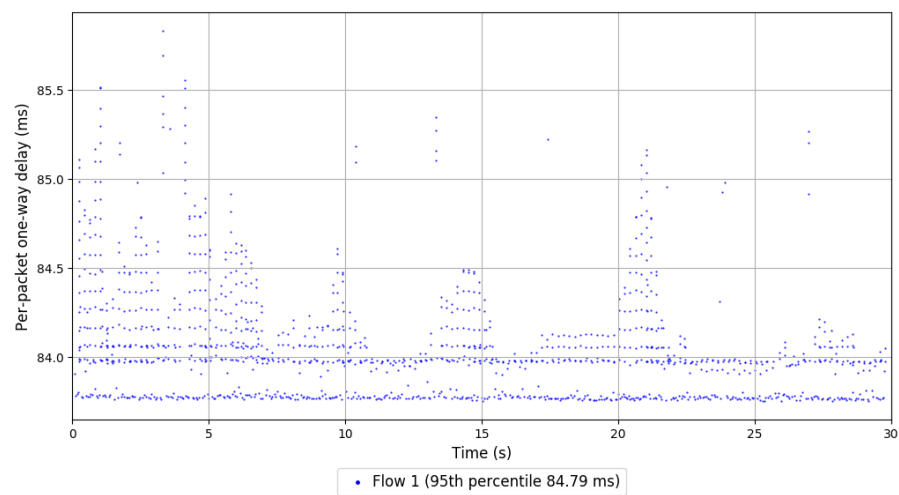
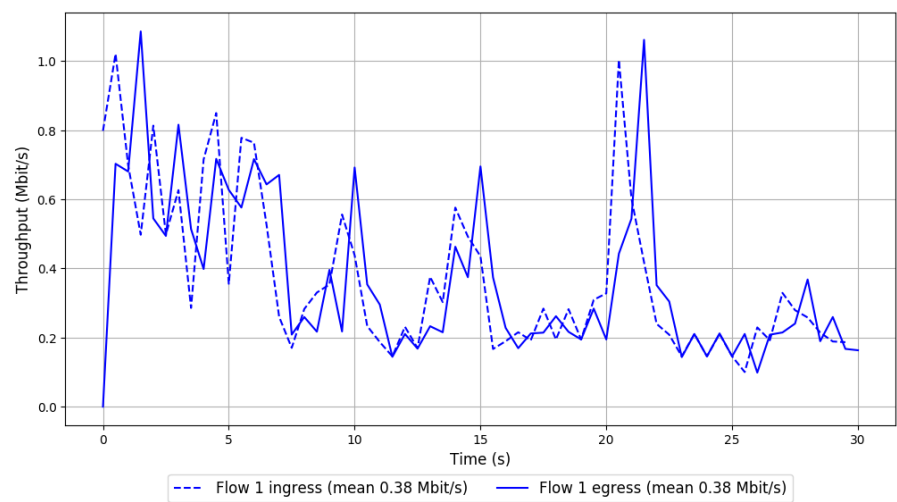


Run 3: Statistics of Sprout

Start at: 2018-06-05 20:13:35
End at: 2018-06-05 20:14:05
Local clock offset: -1.44 ms
Remote clock offset: 8.557 ms

Below is generated by plot.py at 2018-06-05 22:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 84.787 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 84.787 ms
Loss rate: 0.31%

Run 3: Report of Sprout — Data Link

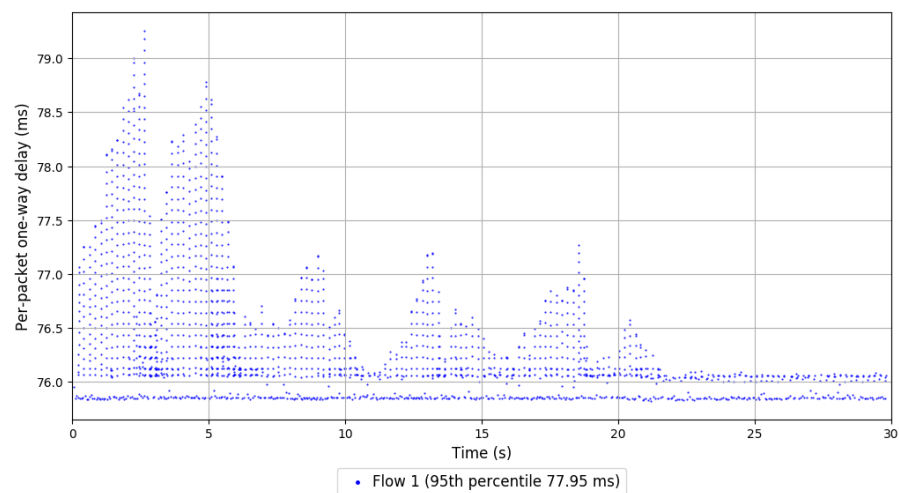
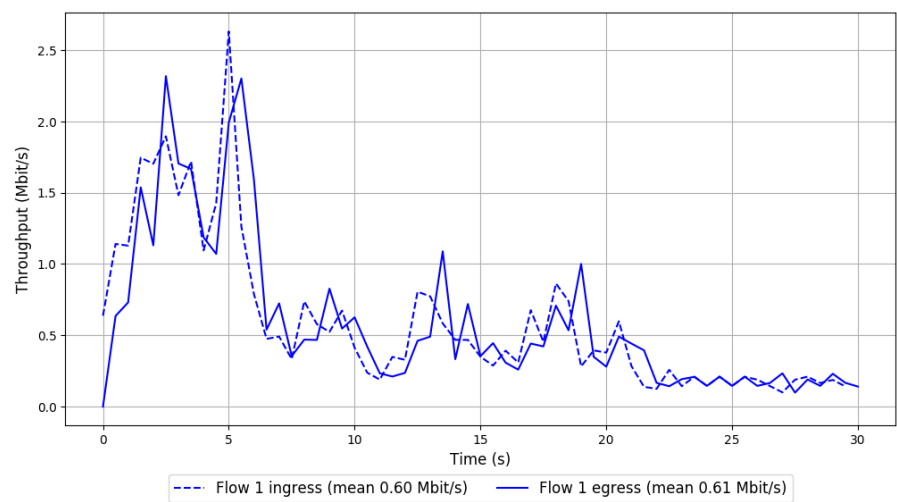


Run 4: Statistics of Sprout

Start at: 2018-06-05 20:32:14
End at: 2018-06-05 20:32:44
Local clock offset: -3.358 ms
Remote clock offset: 14.001 ms

Below is generated by plot.py at 2018-06-05 22:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 77.951 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 77.951 ms
Loss rate: 0.06%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-05 20:50:58

End at: 2018-06-05 20:51:28

Local clock offset: -8.2 ms

Remote clock offset: 4.104 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 84.398 ms

Loss rate: 0.24%

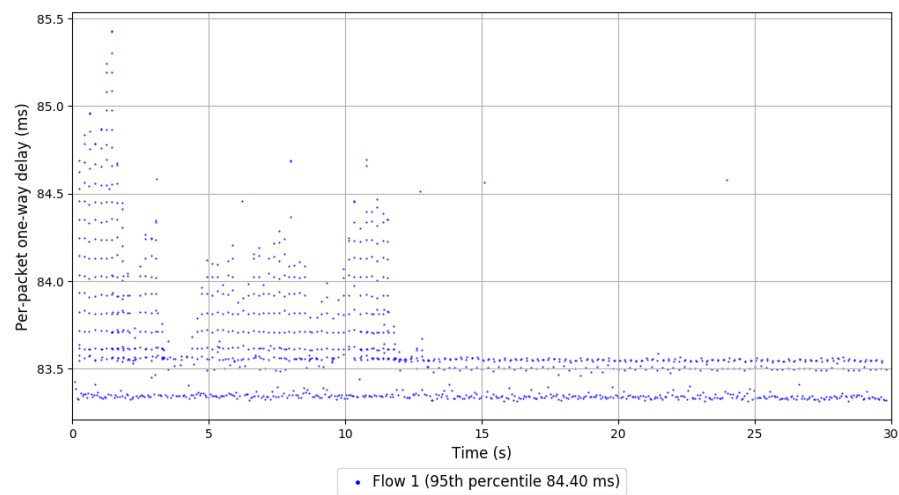
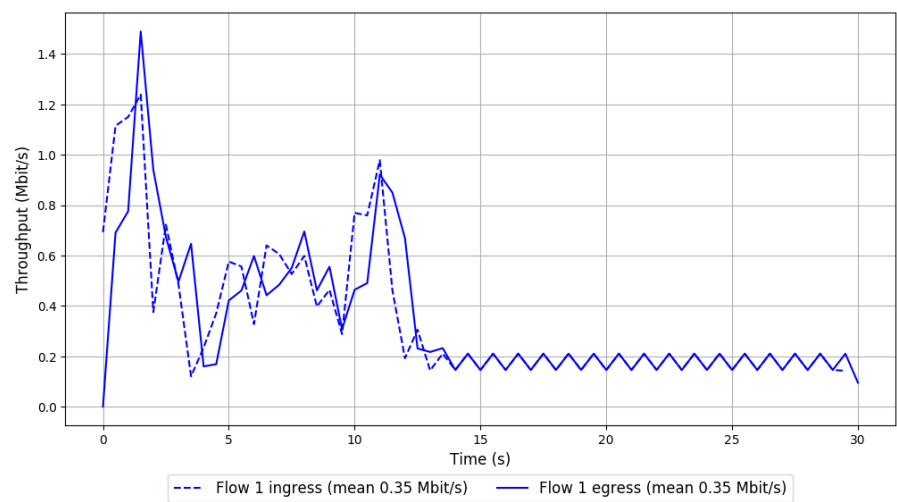
-- Flow 1:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 84.398 ms

Loss rate: 0.24%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-06-05 21:09:35

End at: 2018-06-05 21:10:05

Local clock offset: -8.877 ms

Remote clock offset: 2.147 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 81.936 ms

Loss rate: 2.12%

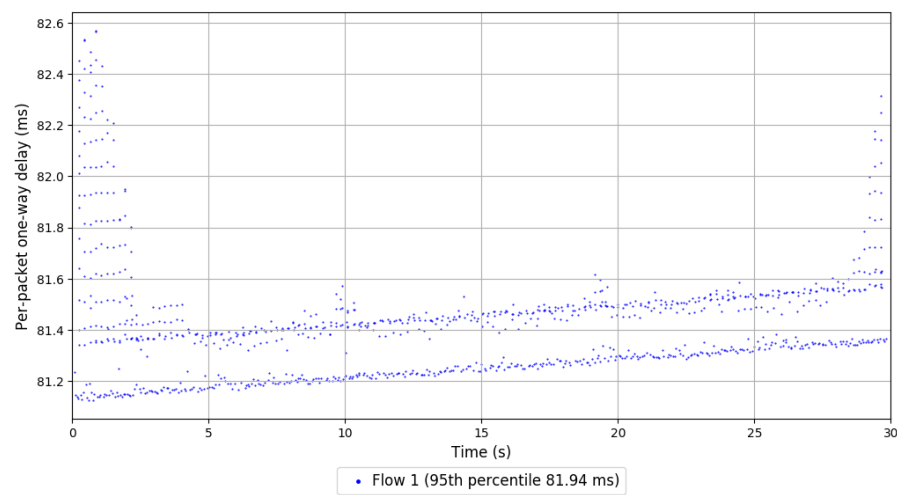
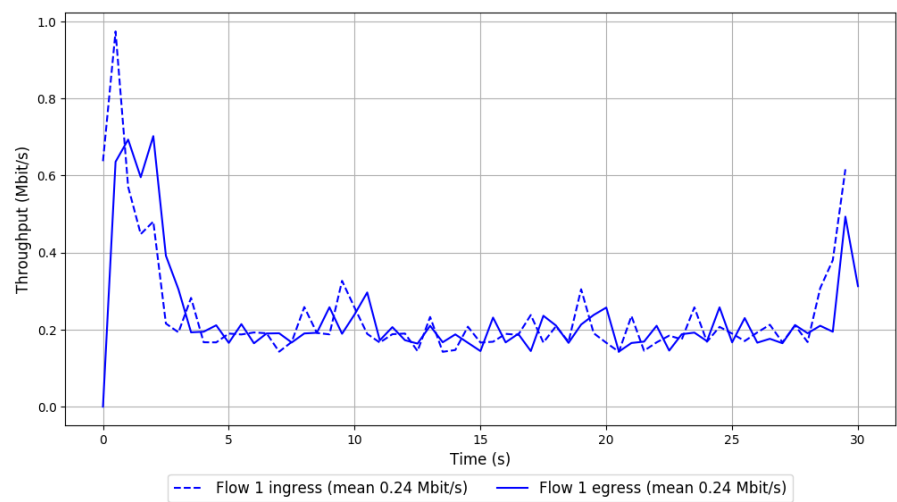
-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 81.936 ms

Loss rate: 2.12%

Run 6: Report of Sprout — Data Link

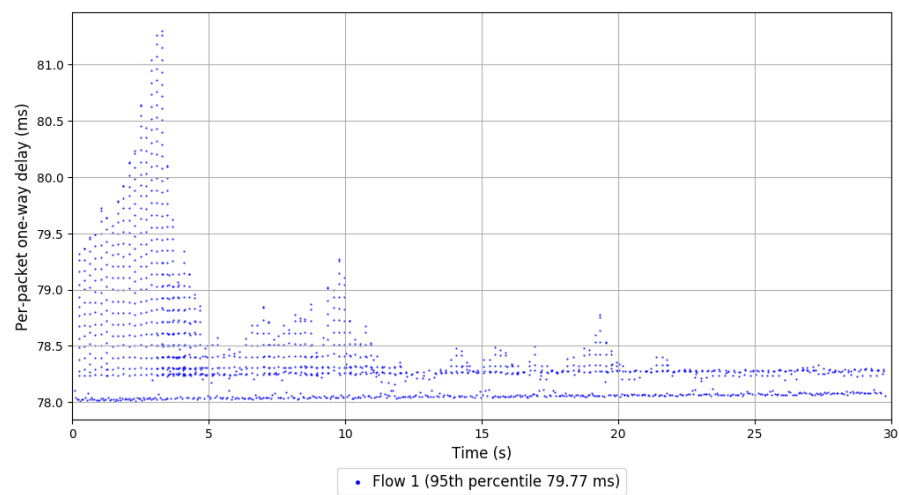
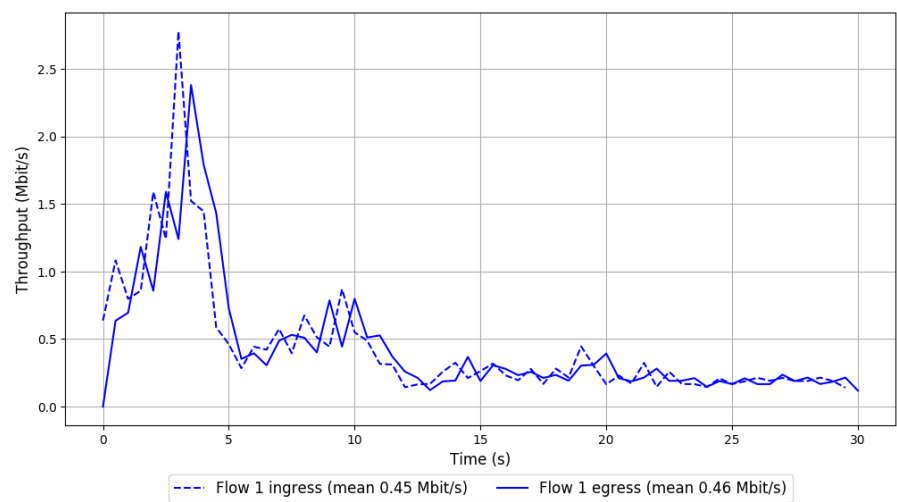


Run 7: Statistics of Sprout

Start at: 2018-06-05 21:28:14
End at: 2018-06-05 21:28:44
Local clock offset: -9.016 ms
Remote clock offset: 9.524 ms

Below is generated by plot.py at 2018-06-05 22:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 79.768 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 79.768 ms
Loss rate: 0.26%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-06-05 21:46:53

End at: 2018-06-05 21:47:23

Local clock offset: -8.427 ms

Remote clock offset: 7.493 ms

Below is generated by plot.py at 2018-06-05 22:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 83.337 ms

Loss rate: 0.73%

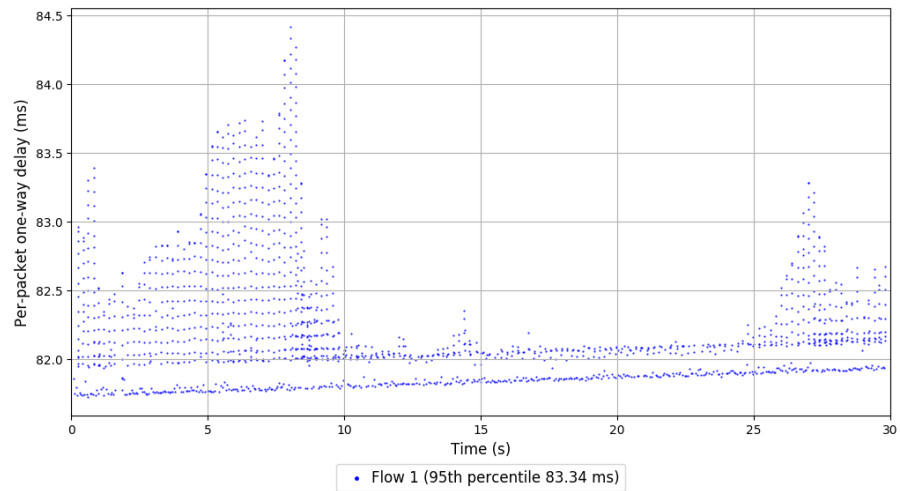
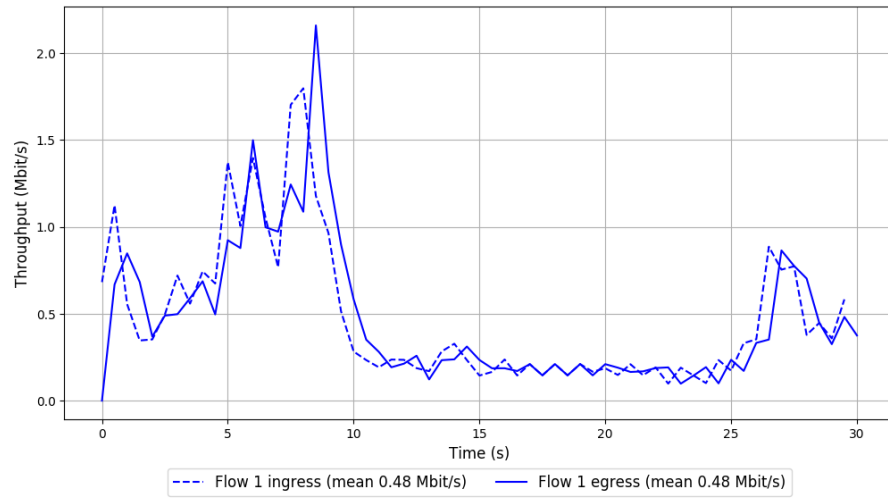
-- Flow 1:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 83.337 ms

Loss rate: 0.73%

Run 8: Report of Sprout — Data Link

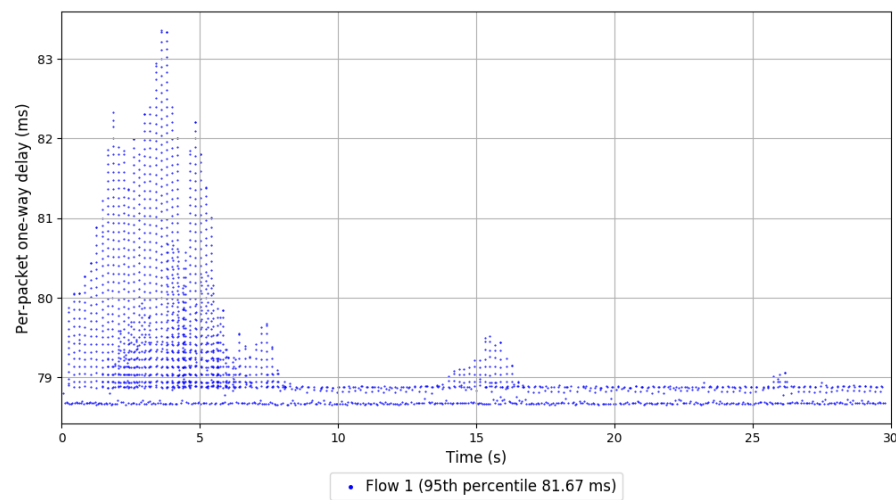
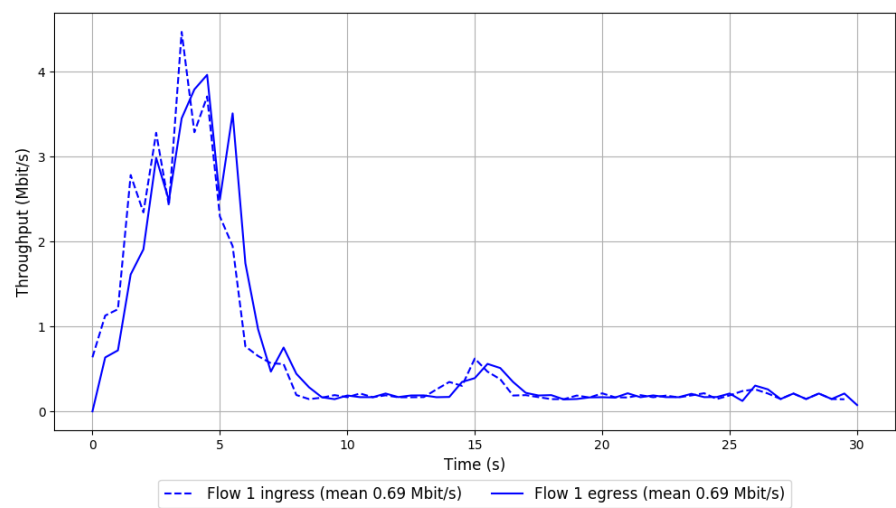


Run 9: Statistics of Sprout

Start at: 2018-06-05 22:05:31
End at: 2018-06-05 22:06:01
Local clock offset: -8.158 ms
Remote clock offset: 14.668 ms

Below is generated by plot.py at 2018-06-05 22:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 81.666 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 81.666 ms
Loss rate: 0.17%

Run 9: Report of Sprout — Data Link

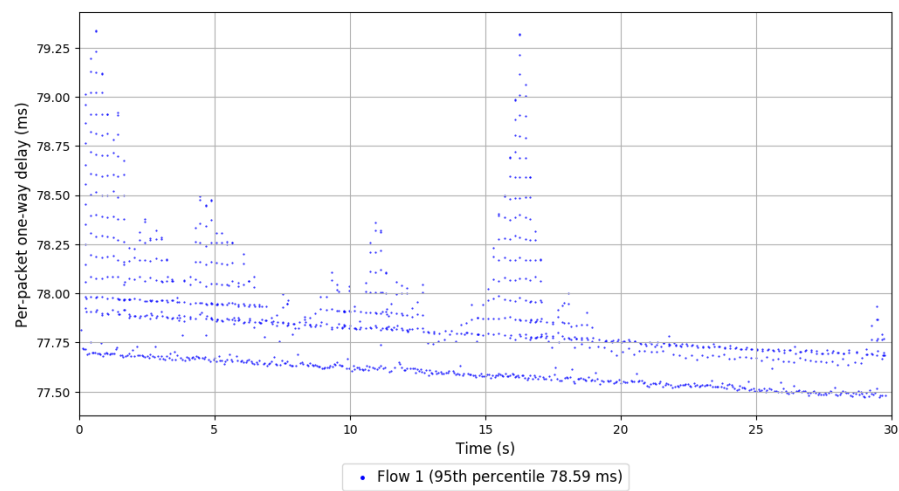
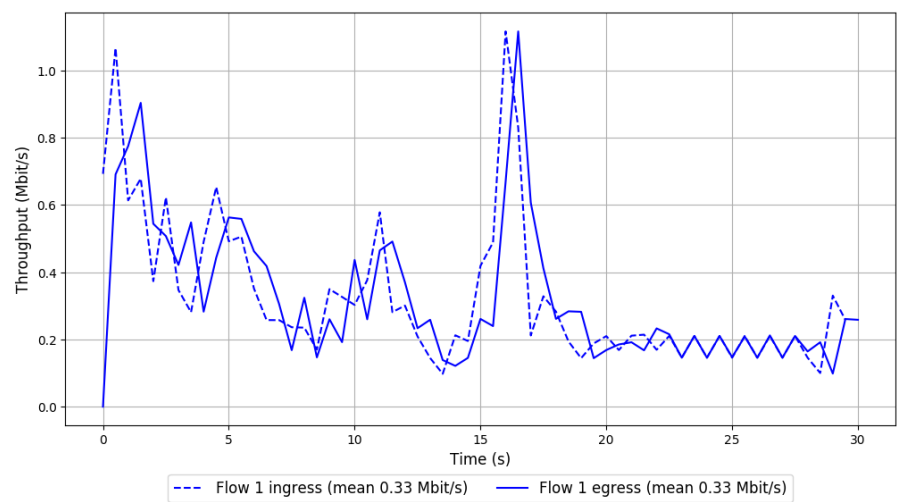


Run 10: Statistics of Sprout

Start at: 2018-06-05 22:24:10
End at: 2018-06-05 22:24:40
Local clock offset: -7.275 ms
Remote clock offset: 12.559 ms

Below is generated by plot.py at 2018-06-05 22:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 78.593 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 78.593 ms
Loss rate: 0.37%

Run 10: Report of Sprout — Data Link

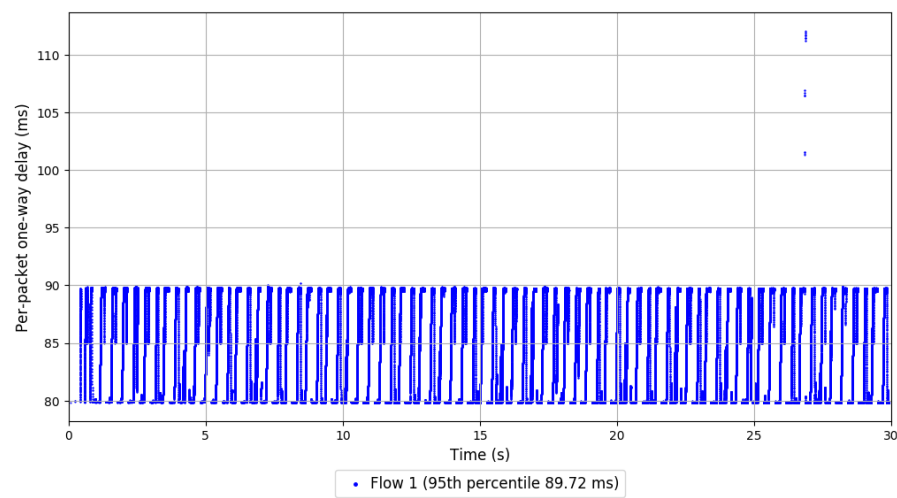
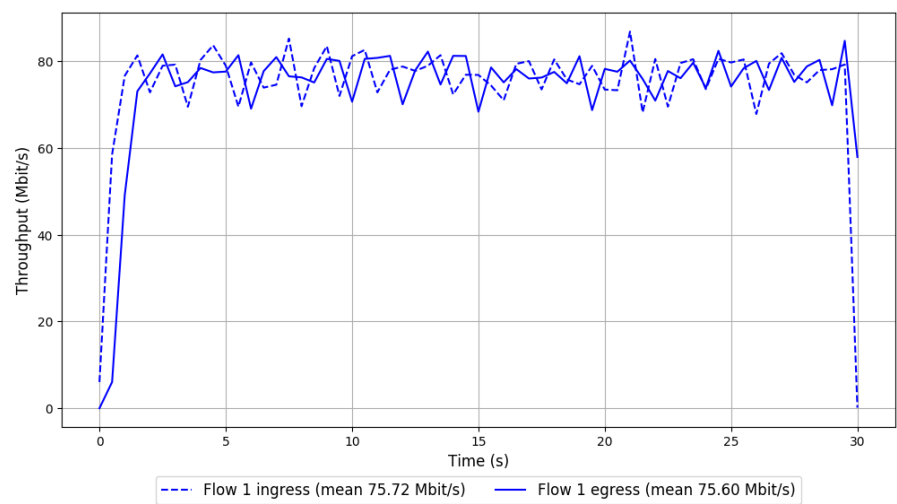


Run 1: Statistics of TaoVA-100x

Start at: 2018-06-05 19:42:07
End at: 2018-06-05 19:42:37
Local clock offset: -1.711 ms
Remote clock offset: 15.237 ms

Below is generated by plot.py at 2018-06-05 22:53:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 89.719 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 89.719 ms
Loss rate: 0.71%

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

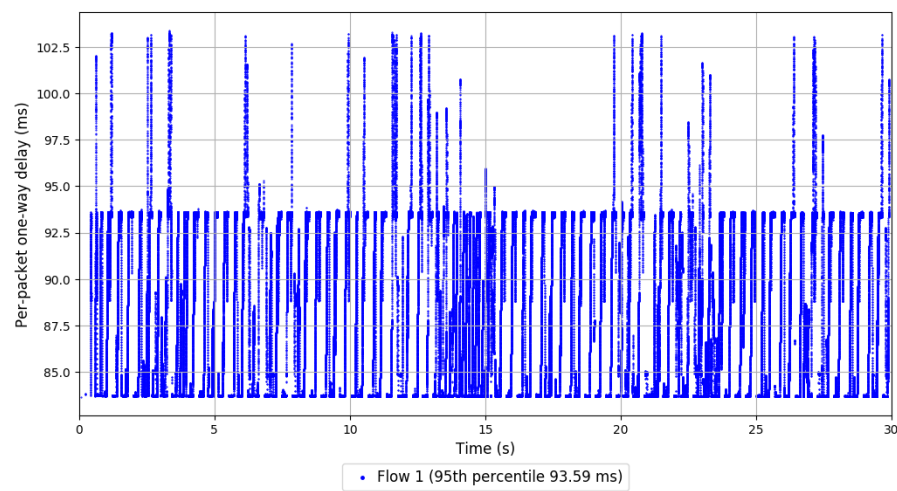
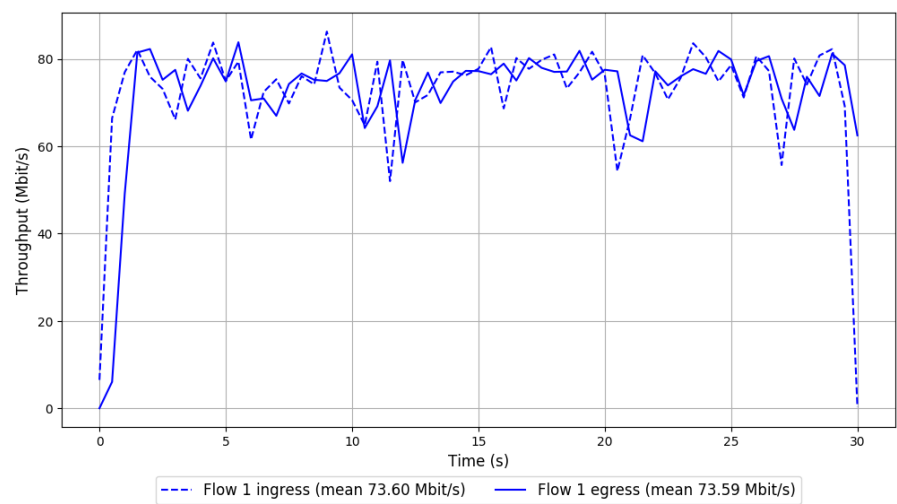


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-05 20:00:46
End at: 2018-06-05 20:01:16
Local clock offset: -1.676 ms
Remote clock offset: 10.772 ms

Below is generated by plot.py at 2018-06-05 22:53:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 93.587 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 93.587 ms
Loss rate: 0.56%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-05 20:19:22

End at: 2018-06-05 20:19:52

Local clock offset: -3.14 ms

Remote clock offset: 8.219 ms

Below is generated by plot.py at 2018-06-05 22:53:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.71 Mbit/s

95th percentile per-packet one-way delay: 93.855 ms

Loss rate: 0.52%

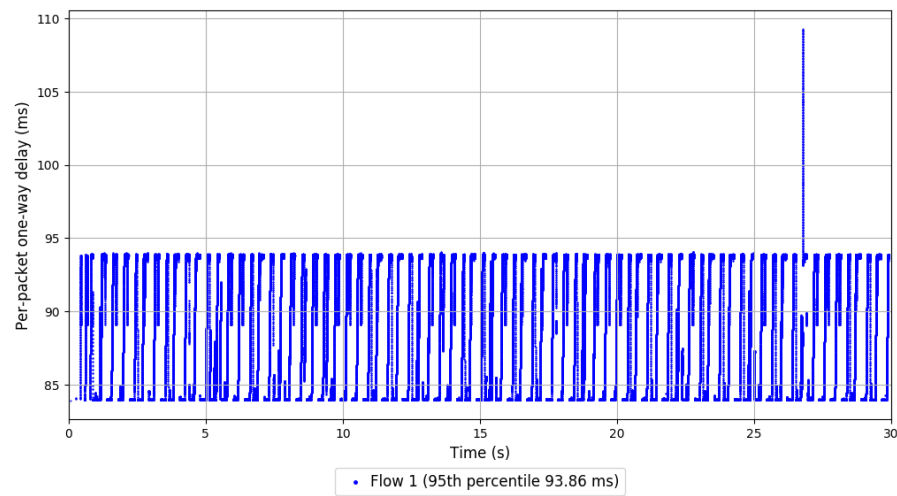
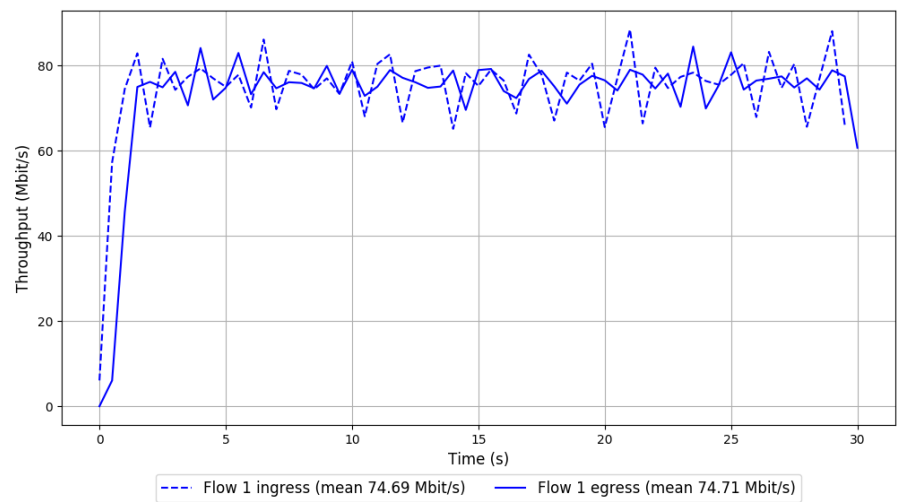
-- Flow 1:

Average throughput: 74.71 Mbit/s

95th percentile per-packet one-way delay: 93.855 ms

Loss rate: 0.52%

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

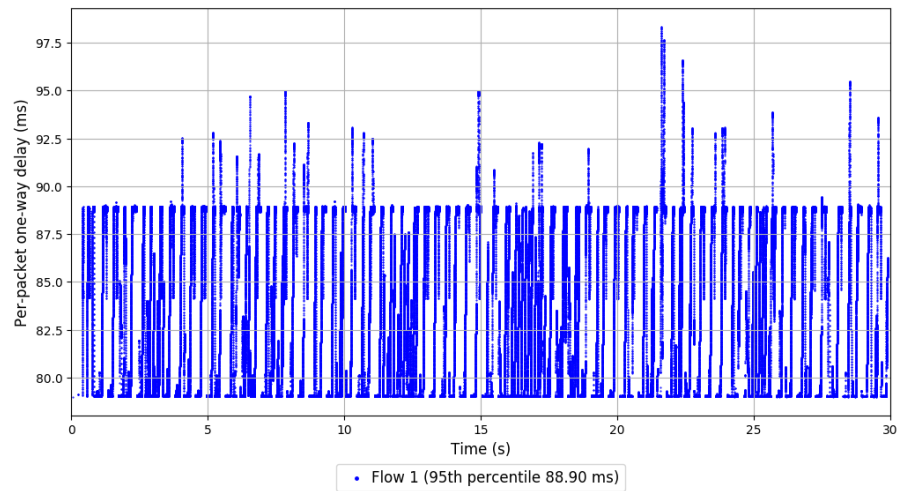
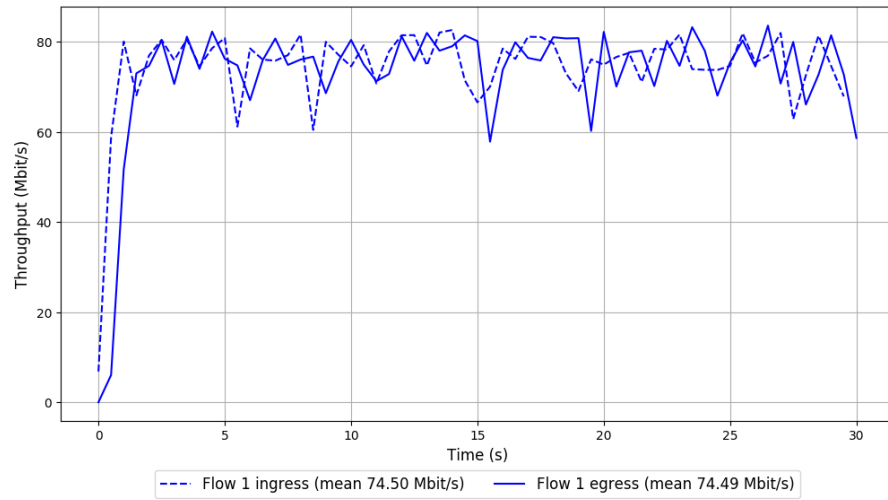


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-05 20:38:06
End at: 2018-06-05 20:38:36
Local clock offset: -4.466 ms
Remote clock offset: 10.399 ms

Below is generated by plot.py at 2018-06-05 22:53:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.49 Mbit/s
95th percentile per-packet one-way delay: 88.903 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 74.49 Mbit/s
95th percentile per-packet one-way delay: 88.903 ms
Loss rate: 0.55%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-05 20:56:45

End at: 2018-06-05 20:57:15

Local clock offset: -8.098 ms

Remote clock offset: 3.351 ms

Below is generated by plot.py at 2018-06-05 22:53:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.12 Mbit/s

95th percentile per-packet one-way delay: 94.280 ms

Loss rate: 0.53%

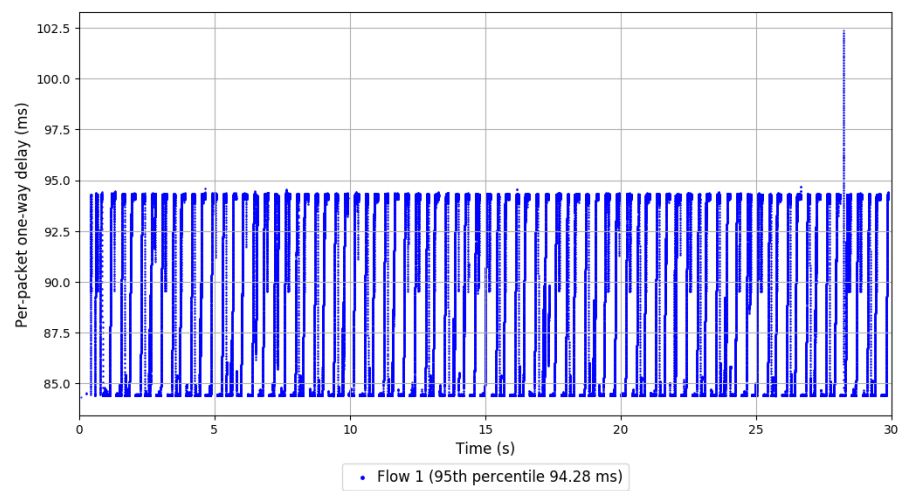
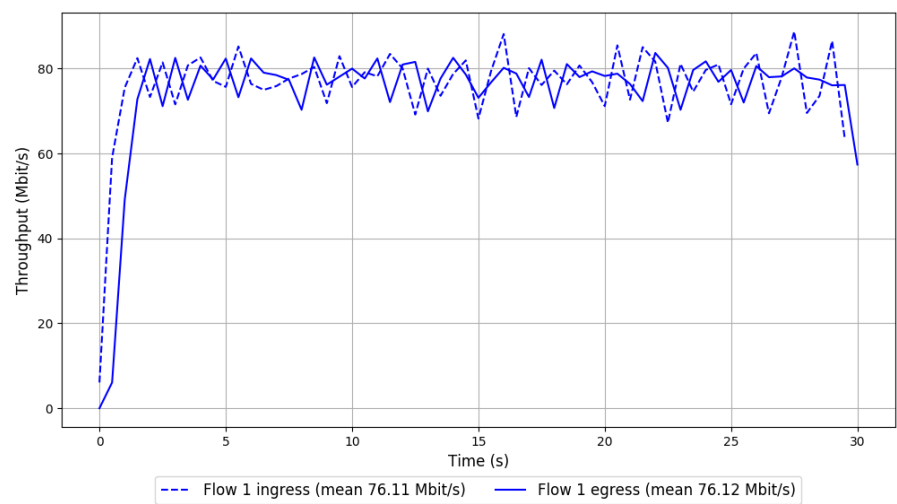
-- Flow 1:

Average throughput: 76.12 Mbit/s

95th percentile per-packet one-way delay: 94.280 ms

Loss rate: 0.53%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-05 21:15:23

End at: 2018-06-05 21:15:53

Local clock offset: -9.859 ms

Remote clock offset: 2.923 ms

Below is generated by plot.py at 2018-06-05 22:53:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.89 Mbit/s

95th percentile per-packet one-way delay: 92.104 ms

Loss rate: 0.61%

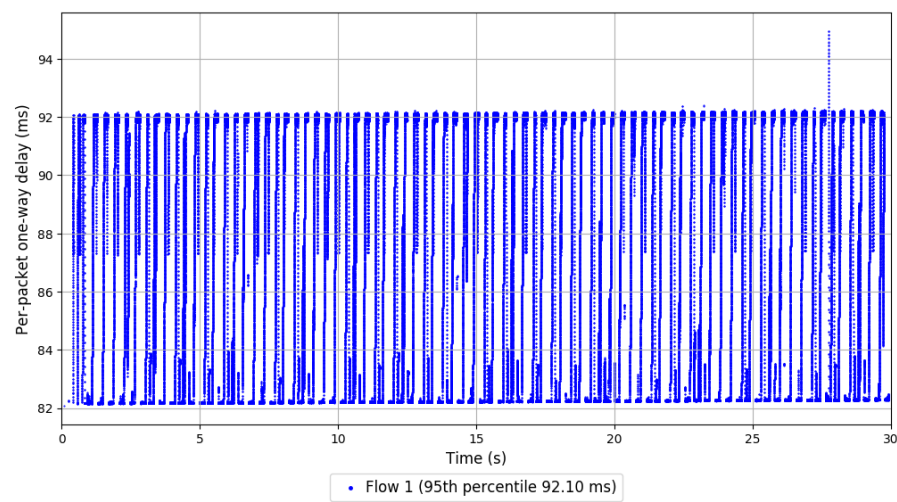
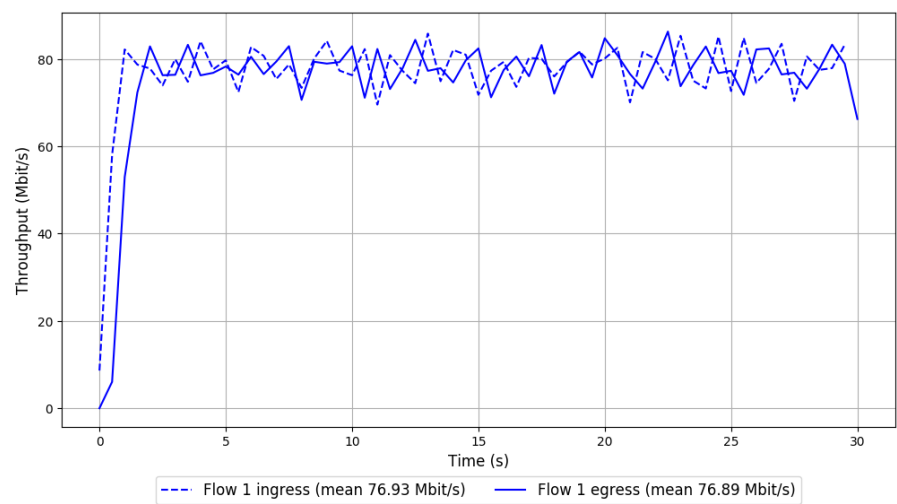
-- Flow 1:

Average throughput: 76.89 Mbit/s

95th percentile per-packet one-way delay: 92.104 ms

Loss rate: 0.61%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-05 21:34:01

End at: 2018-06-05 21:34:31

Local clock offset: -9.338 ms

Remote clock offset: 5.57 ms

Below is generated by plot.py at 2018-06-05 22:53:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.69 Mbit/s

95th percentile per-packet one-way delay: 92.107 ms

Loss rate: 0.53%

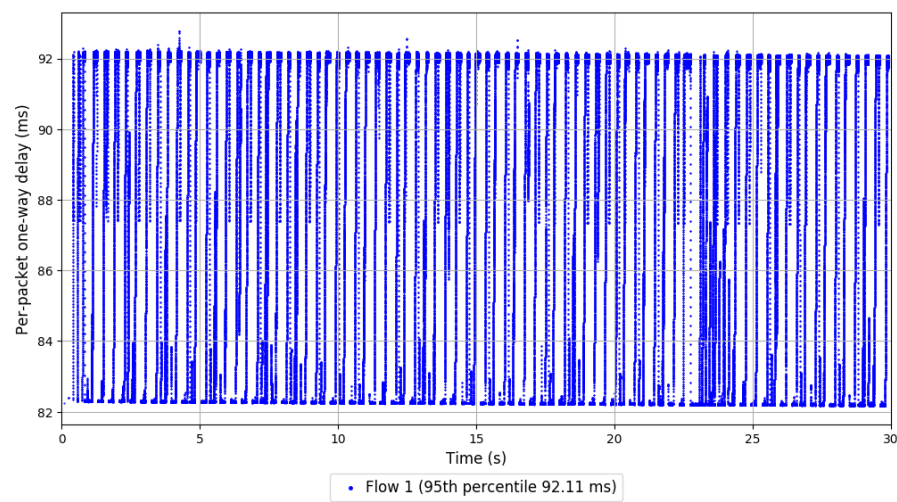
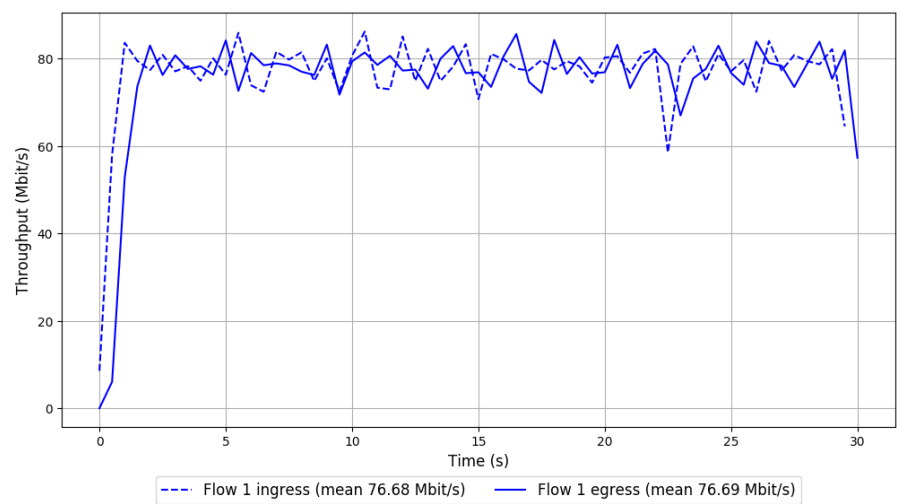
-- Flow 1:

Average throughput: 76.69 Mbit/s

95th percentile per-packet one-way delay: 92.107 ms

Loss rate: 0.53%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-05 21:52:41

End at: 2018-06-05 21:53:11

Local clock offset: -7.549 ms

Remote clock offset: 8.402 ms

Below is generated by plot.py at 2018-06-05 22:53:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.80 Mbit/s

95th percentile per-packet one-way delay: 94.001 ms

Loss rate: 0.54%

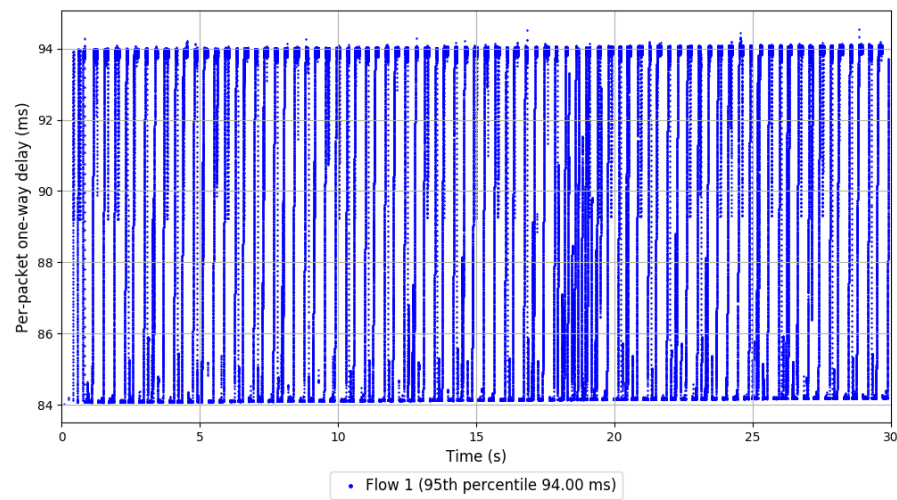
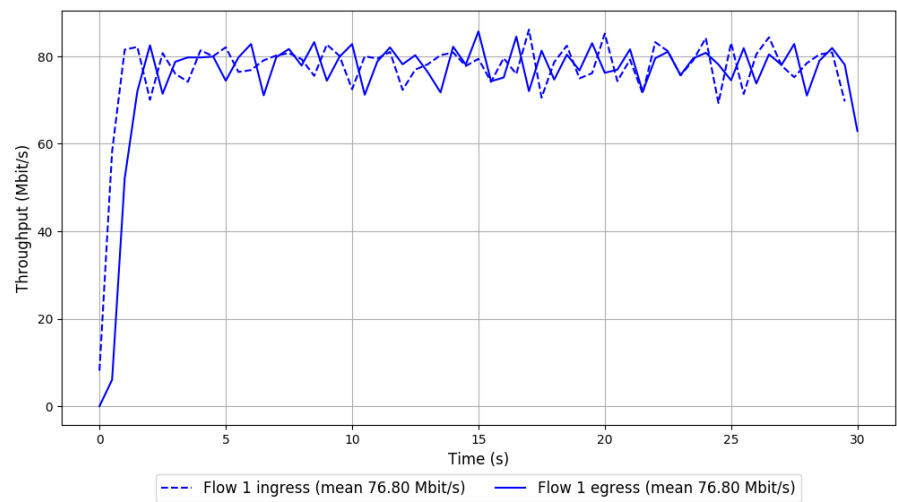
-- Flow 1:

Average throughput: 76.80 Mbit/s

95th percentile per-packet one-way delay: 94.001 ms

Loss rate: 0.54%

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

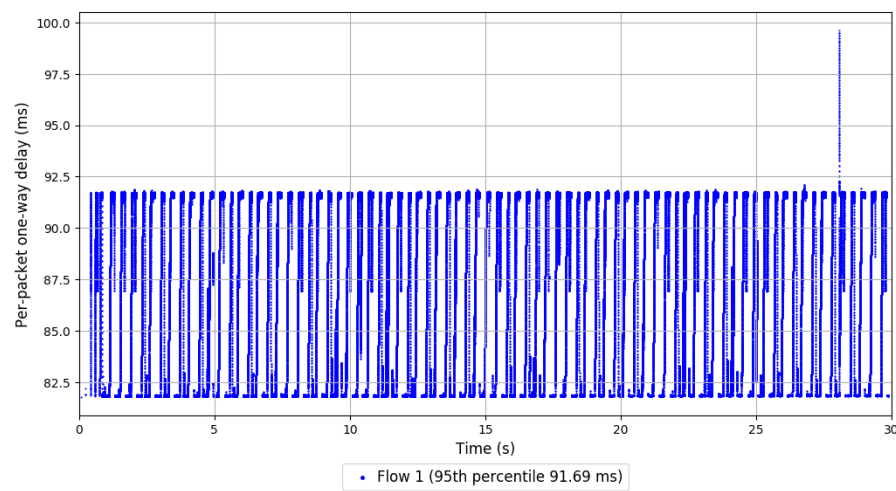
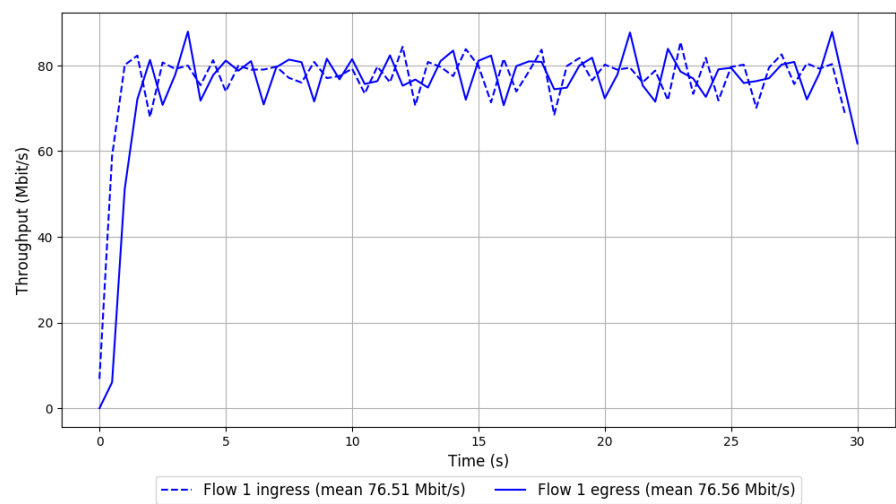


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-05 22:11:19
End at: 2018-06-05 22:11:49
Local clock offset: -7.616 ms
Remote clock offset: 12.358 ms

Below is generated by plot.py at 2018-06-05 22:55:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.56 Mbit/s
95th percentile per-packet one-way delay: 91.693 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 76.56 Mbit/s
95th percentile per-packet one-way delay: 91.693 ms
Loss rate: 0.47%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-05 22:29:58

End at: 2018-06-05 22:30:28

Local clock offset: -7.298 ms

Remote clock offset: 9.571 ms

Below is generated by plot.py at 2018-06-05 22:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.91 Mbit/s

95th percentile per-packet one-way delay: 88.826 ms

Loss rate: 0.62%

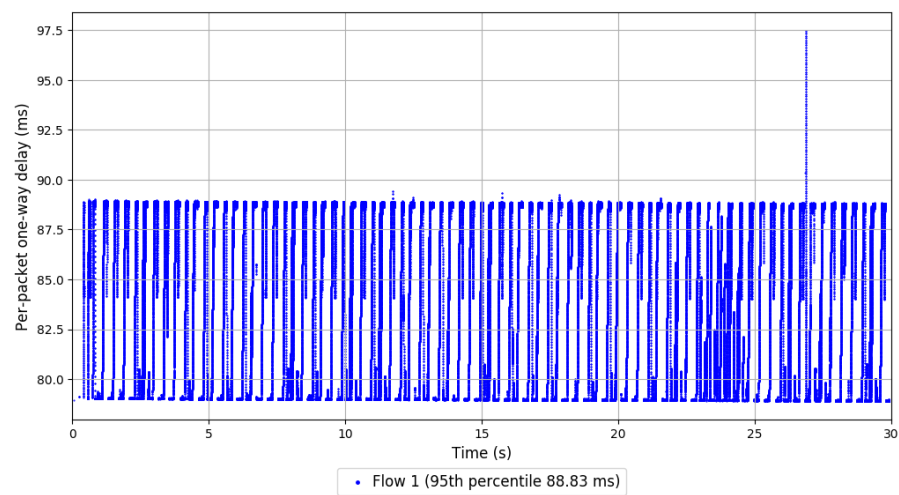
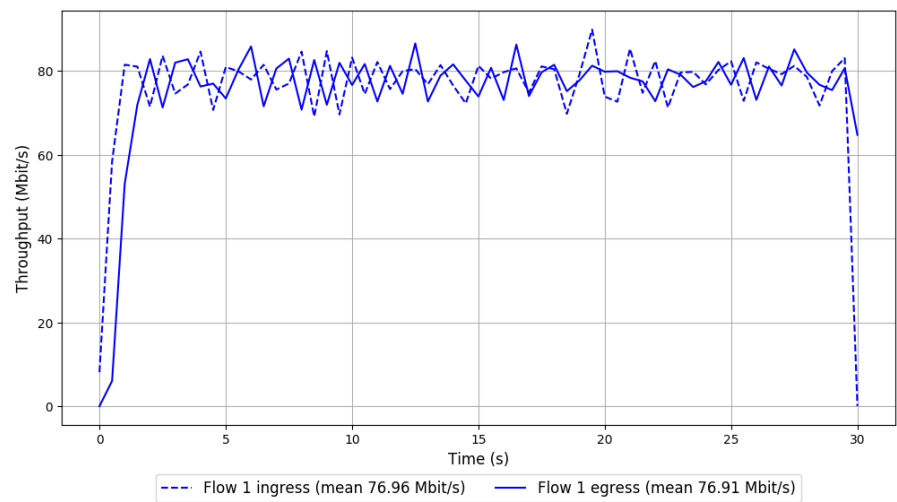
-- Flow 1:

Average throughput: 76.91 Mbit/s

95th percentile per-packet one-way delay: 88.826 ms

Loss rate: 0.62%

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

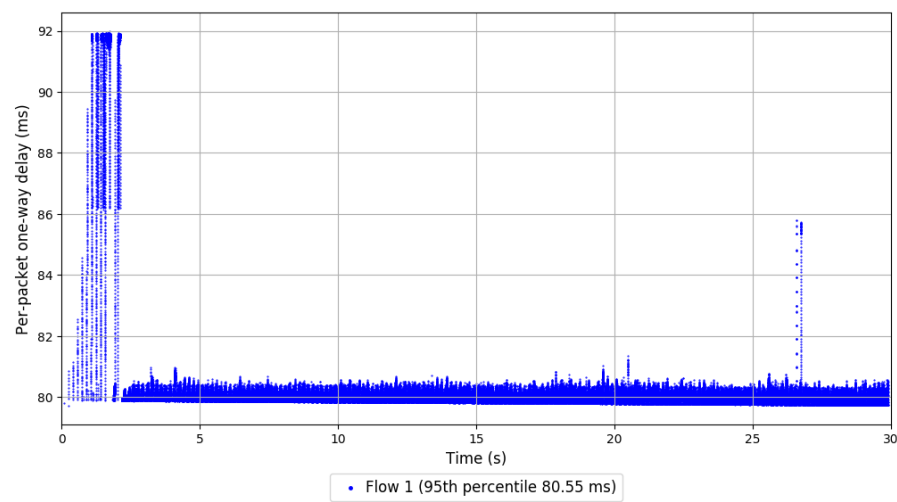
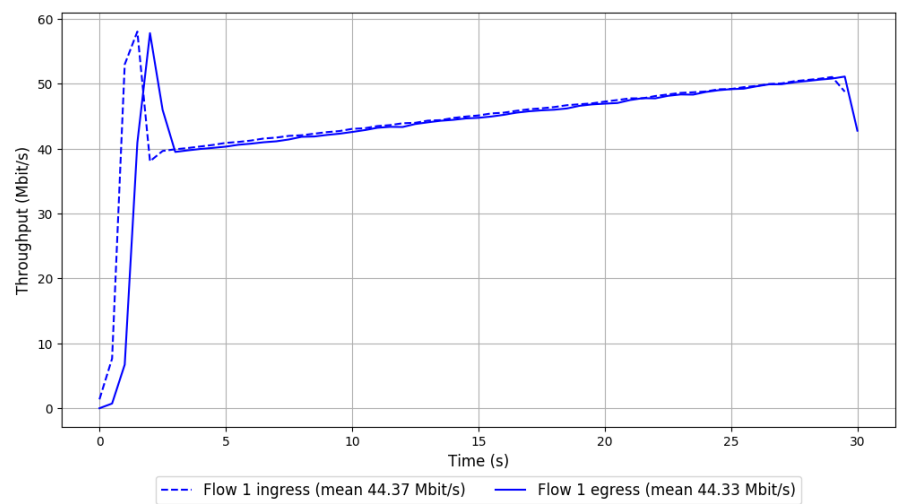


Run 1: Statistics of TCP Vegas

Start at: 2018-06-05 19:30:31
End at: 2018-06-05 19:31:01
Local clock offset: -1.743 ms
Remote clock offset: 16.984 ms

Below is generated by plot.py at 2018-06-05 22:55:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.33 Mbit/s
95th percentile per-packet one-way delay: 80.553 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 44.33 Mbit/s
95th percentile per-packet one-way delay: 80.553 ms
Loss rate: 0.63%

Run 1: Report of TCP Vegas — Data Link

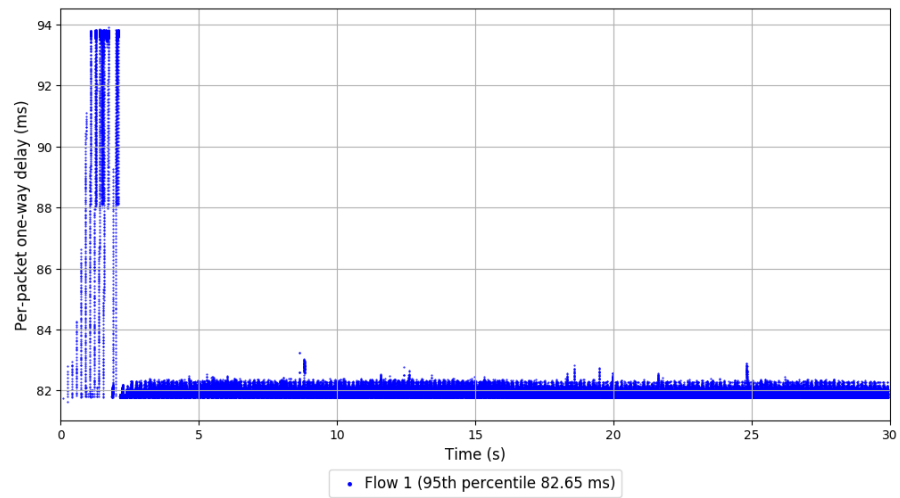
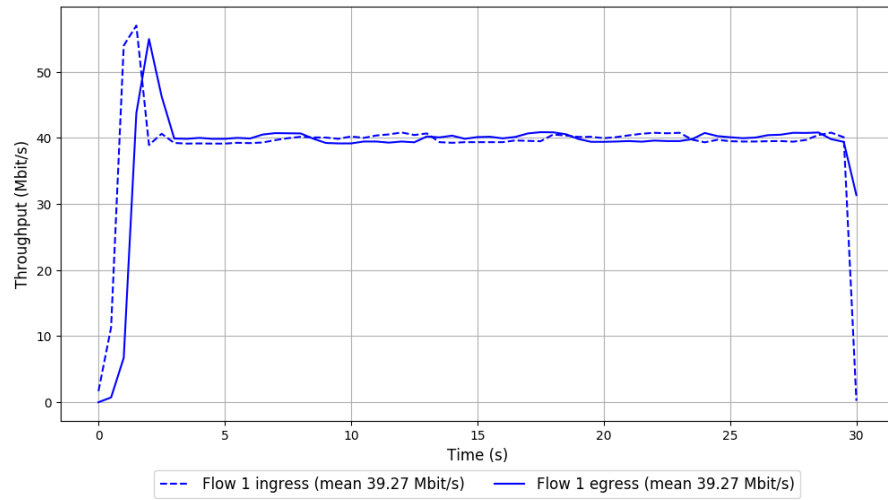


Run 2: Statistics of TCP Vegas

Start at: 2018-06-05 19:49:11
End at: 2018-06-05 19:49:41
Local clock offset: -1.696 ms
Remote clock offset: 11.023 ms

Below is generated by plot.py at 2018-06-05 22:55:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.27 Mbit/s
95th percentile per-packet one-way delay: 82.650 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 39.27 Mbit/s
95th percentile per-packet one-way delay: 82.650 ms
Loss rate: 0.55%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-06-05 20:07:48

End at: 2018-06-05 20:08:18

Local clock offset: -1.166 ms

Remote clock offset: 9.947 ms

Below is generated by plot.py at 2018-06-05 22:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.22 Mbit/s

95th percentile per-packet one-way delay: 88.163 ms

Loss rate: 0.62%

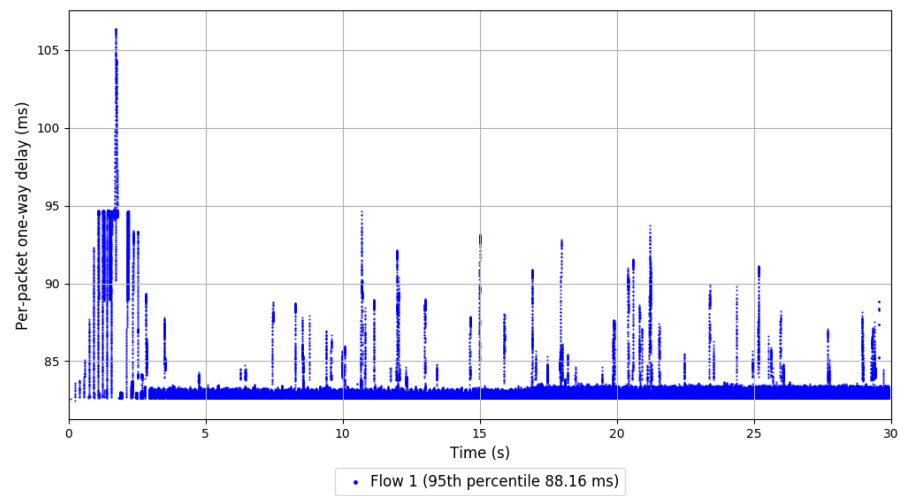
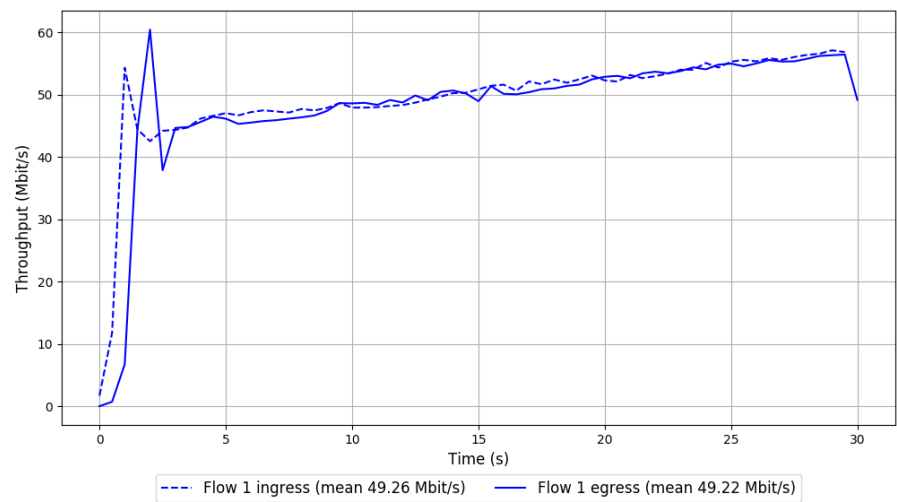
-- Flow 1:

Average throughput: 49.22 Mbit/s

95th percentile per-packet one-way delay: 88.163 ms

Loss rate: 0.62%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-05 20:26:27

End at: 2018-06-05 20:26:57

Local clock offset: -2.514 ms

Remote clock offset: 8.017 ms

Below is generated by plot.py at 2018-06-05 22:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.06 Mbit/s

95th percentile per-packet one-way delay: 88.976 ms

Loss rate: 0.63%

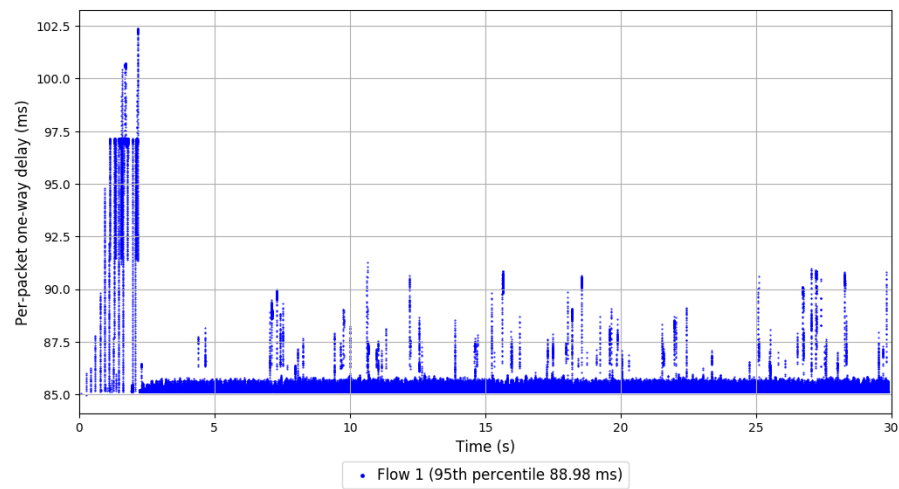
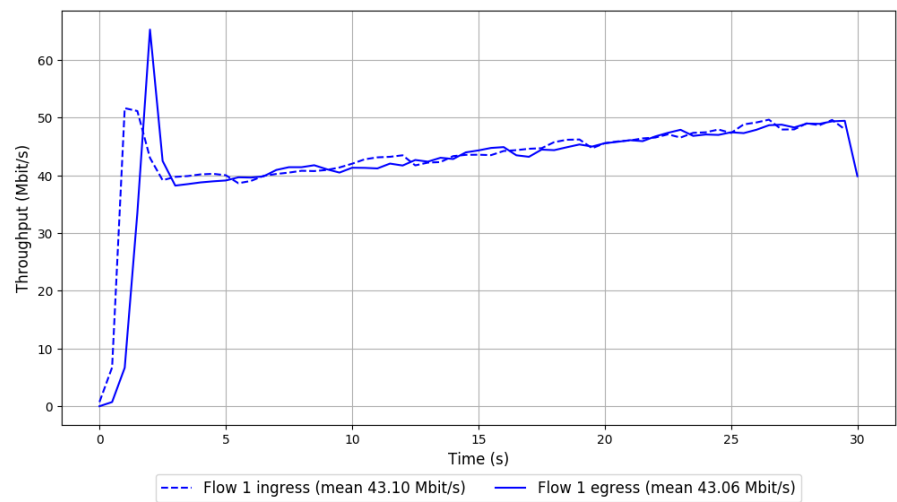
-- Flow 1:

Average throughput: 43.06 Mbit/s

95th percentile per-packet one-way delay: 88.976 ms

Loss rate: 0.63%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-05 20:45:12

End at: 2018-06-05 20:45:42

Local clock offset: -6.41 ms

Remote clock offset: 8.314 ms

Below is generated by plot.py at 2018-06-05 22:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.08 Mbit/s

95th percentile per-packet one-way delay: 85.849 ms

Loss rate: 0.58%

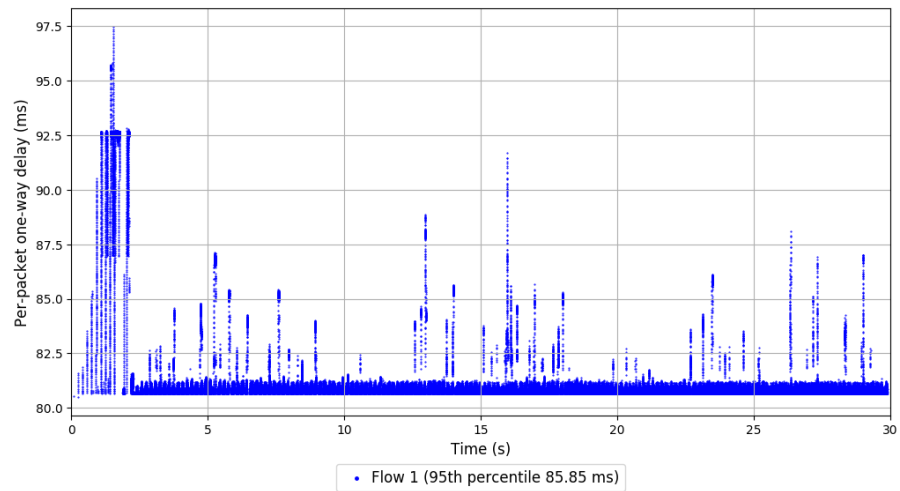
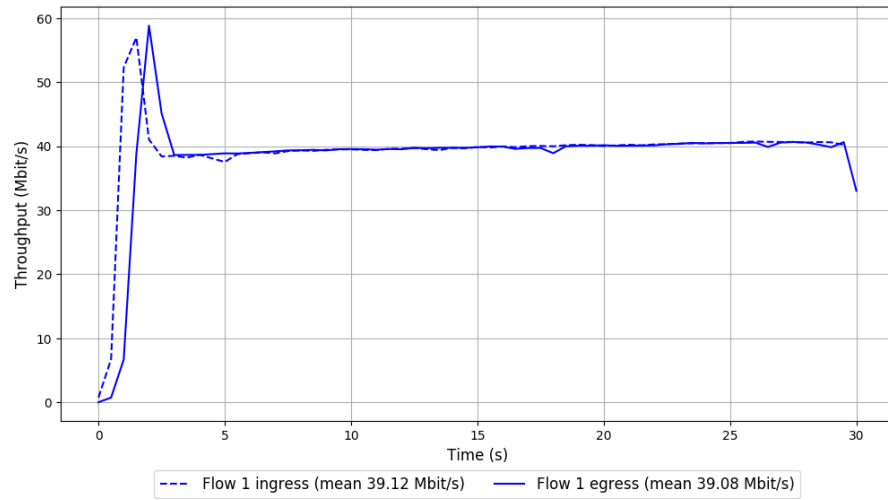
-- Flow 1:

Average throughput: 39.08 Mbit/s

95th percentile per-packet one-way delay: 85.849 ms

Loss rate: 0.58%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-05 21:03:49

End at: 2018-06-05 21:04:19

Local clock offset: -8.851 ms

Remote clock offset: 2.623 ms

Below is generated by plot.py at 2018-06-05 22:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.57 Mbit/s

95th percentile per-packet one-way delay: 84.619 ms

Loss rate: 0.55%

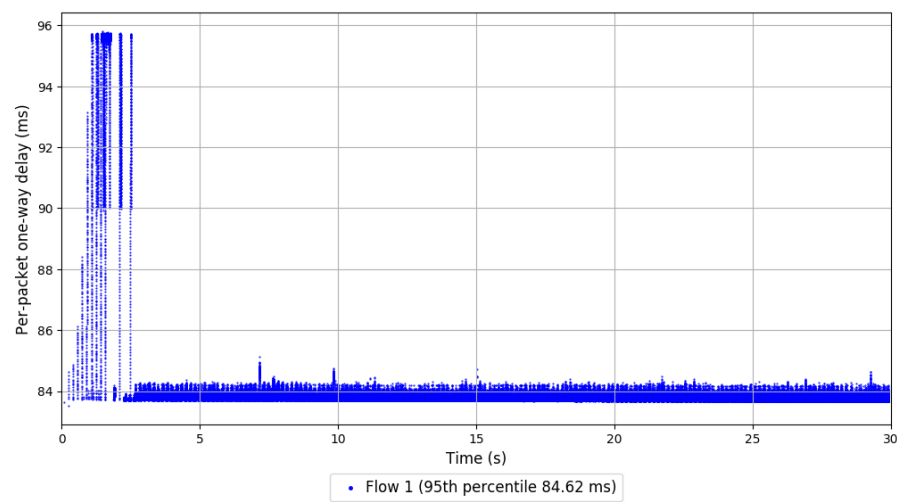
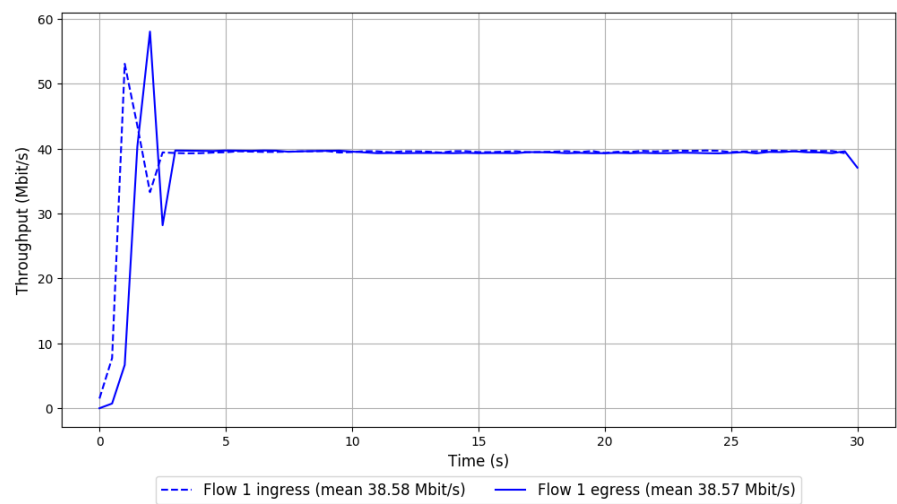
-- Flow 1:

Average throughput: 38.57 Mbit/s

95th percentile per-packet one-way delay: 84.619 ms

Loss rate: 0.55%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-05 21:22:28

End at: 2018-06-05 21:22:58

Local clock offset: -9.451 ms

Remote clock offset: 3.985 ms

Below is generated by plot.py at 2018-06-05 22:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.15 Mbit/s

95th percentile per-packet one-way delay: 86.536 ms

Loss rate: 0.54%

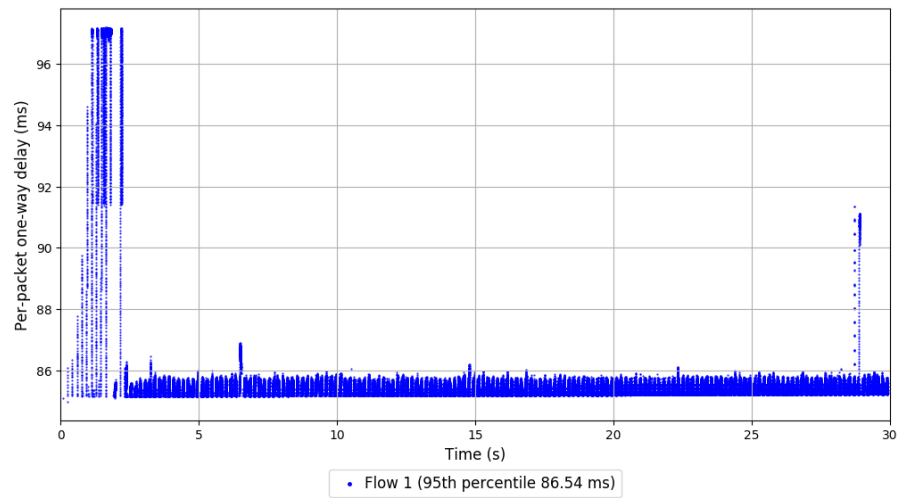
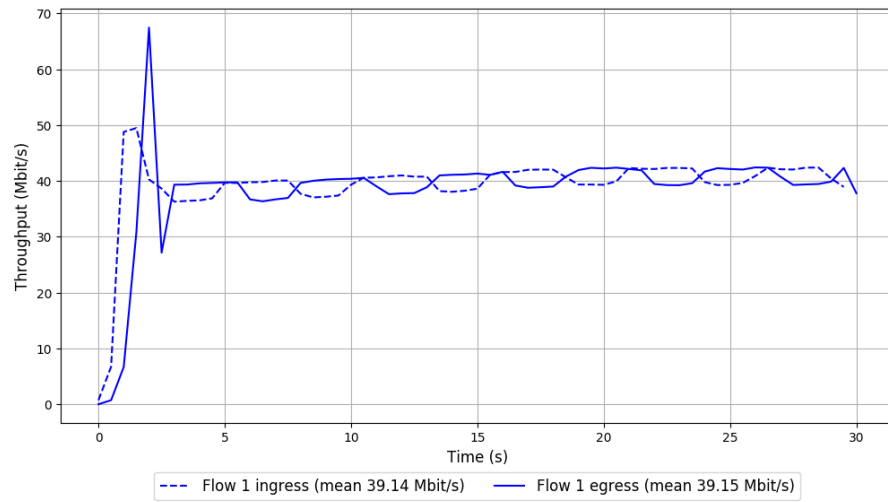
-- Flow 1:

Average throughput: 39.15 Mbit/s

95th percentile per-packet one-way delay: 86.536 ms

Loss rate: 0.54%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-05 21:41:07

End at: 2018-06-05 21:41:37

Local clock offset: -8.855 ms

Remote clock offset: 5.646 ms

Below is generated by plot.py at 2018-06-05 22:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.17 Mbit/s

95th percentile per-packet one-way delay: 82.849 ms

Loss rate: 0.62%

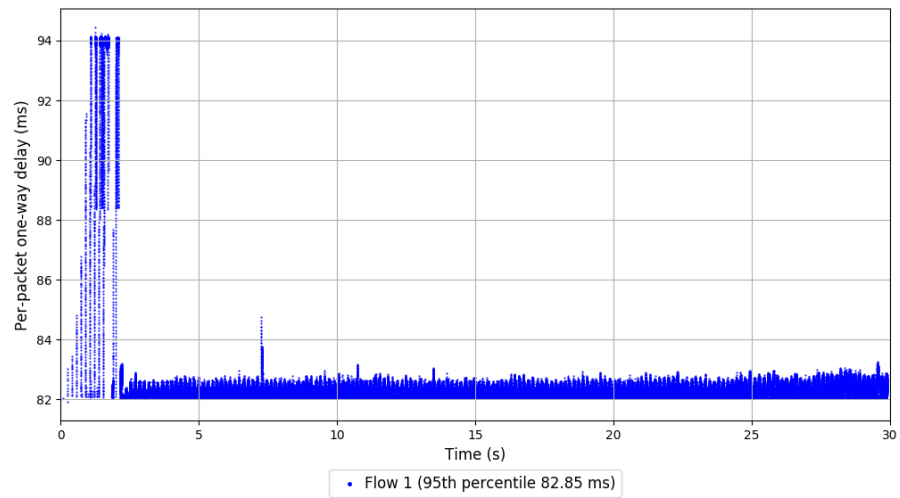
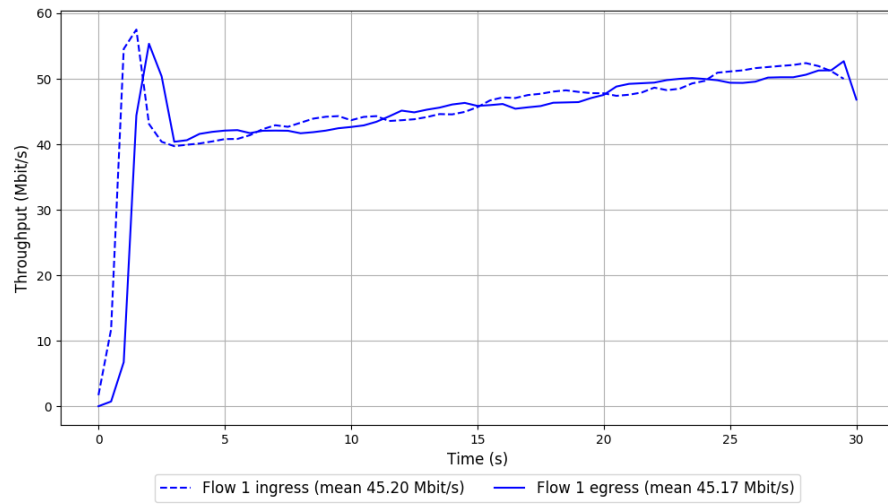
-- Flow 1:

Average throughput: 45.17 Mbit/s

95th percentile per-packet one-way delay: 82.849 ms

Loss rate: 0.62%

Run 8: Report of TCP Vegas — Data Link

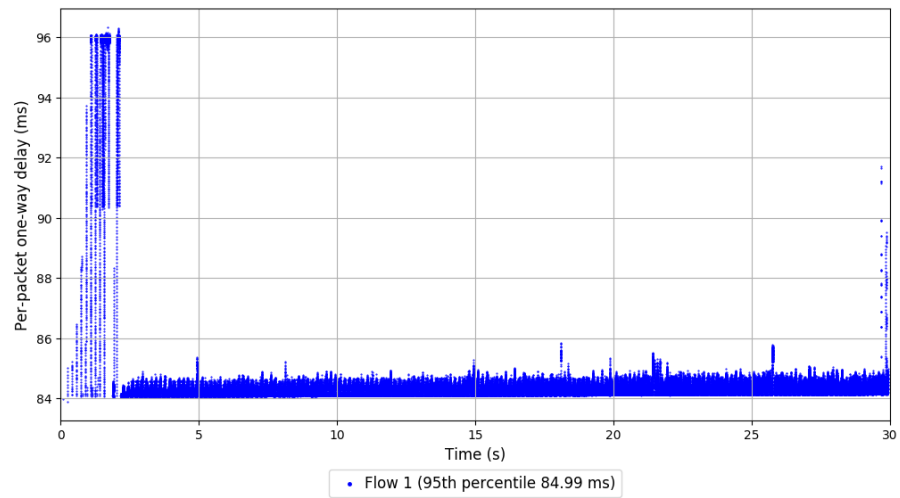
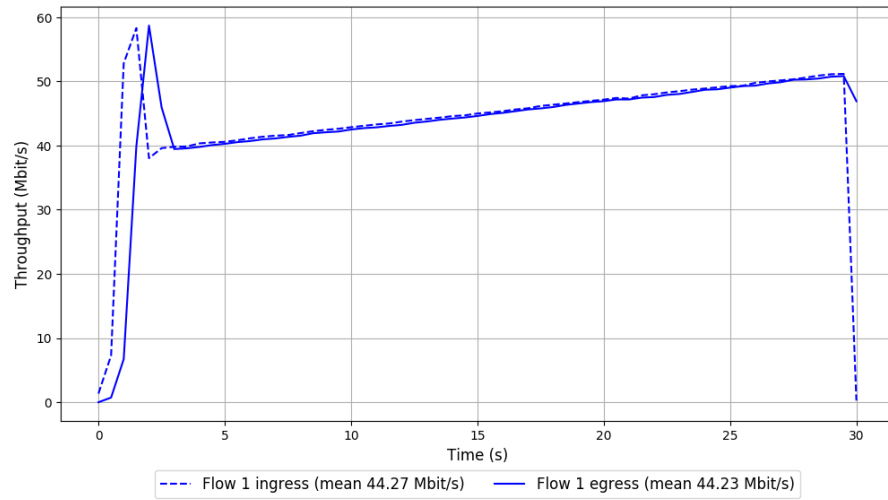


Run 9: Statistics of TCP Vegas

Start at: 2018-06-05 21:59:46
End at: 2018-06-05 22:00:16
Local clock offset: -8.262 ms
Remote clock offset: 10.991 ms

Below is generated by plot.py at 2018-06-05 22:55:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.23 Mbit/s
95th percentile per-packet one-way delay: 84.987 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 44.23 Mbit/s
95th percentile per-packet one-way delay: 84.987 ms
Loss rate: 0.63%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-05 22:18:23

End at: 2018-06-05 22:18:53

Local clock offset: -6.577 ms

Remote clock offset: 11.318 ms

Below is generated by plot.py at 2018-06-05 22:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.82 Mbit/s

95th percentile per-packet one-way delay: 83.752 ms

Loss rate: 0.55%

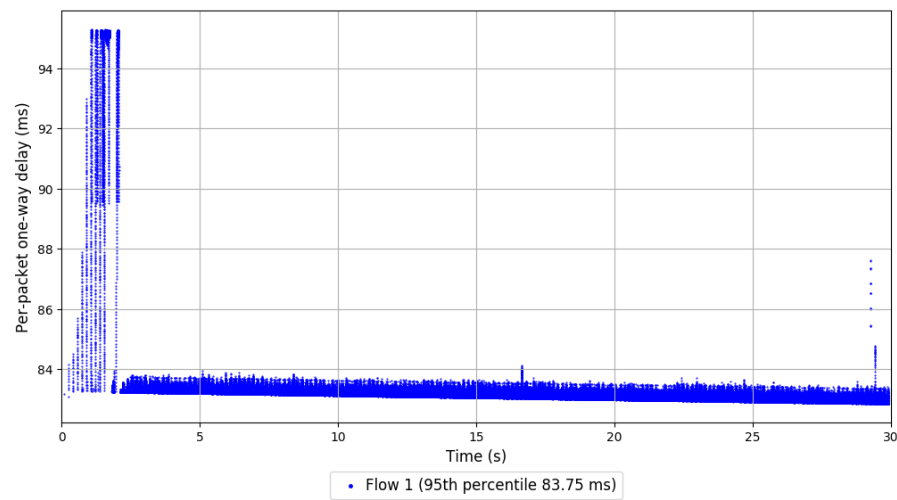
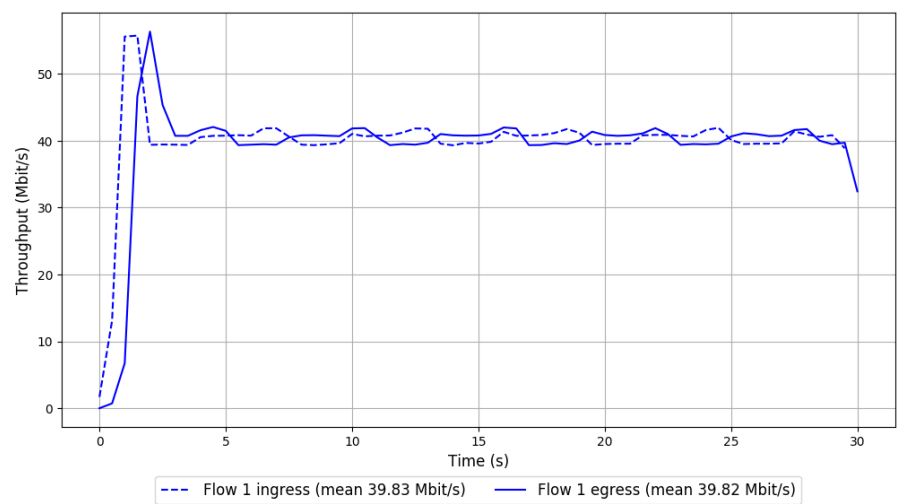
-- Flow 1:

Average throughput: 39.82 Mbit/s

95th percentile per-packet one-way delay: 83.752 ms

Loss rate: 0.55%

Run 10: Report of TCP Vegas — Data Link

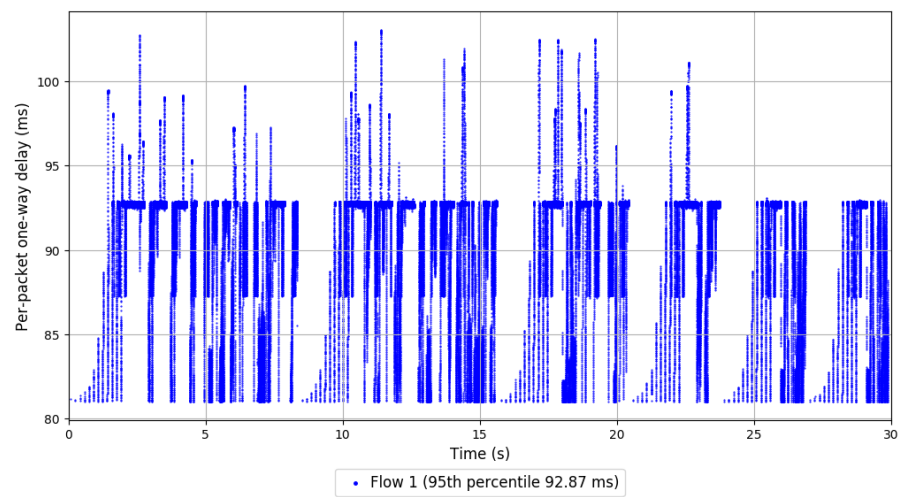
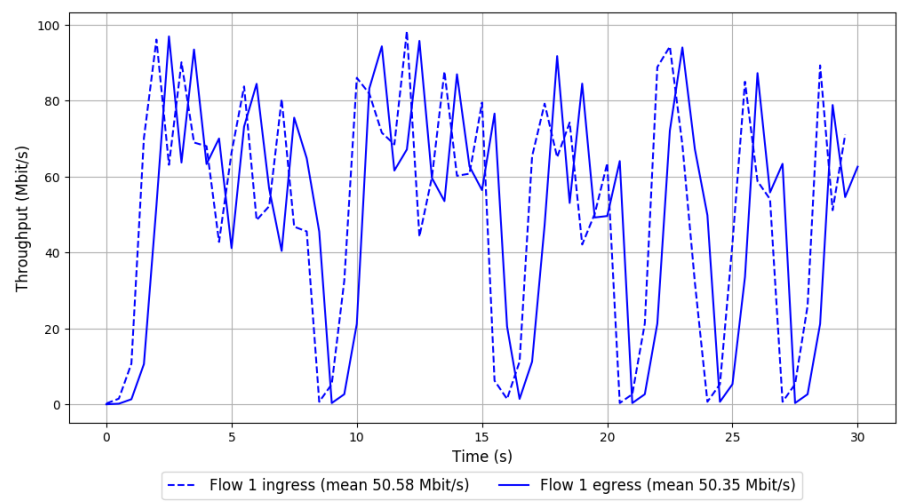


Run 1: Statistics of Verus

Start at: 2018-06-05 19:46:49
End at: 2018-06-05 19:47:19
Local clock offset: -1.697 ms
Remote clock offset: 14.022 ms

Below is generated by plot.py at 2018-06-05 22:55:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 92.869 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 92.869 ms
Loss rate: 0.86%

Run 1: Report of Verus — Data Link

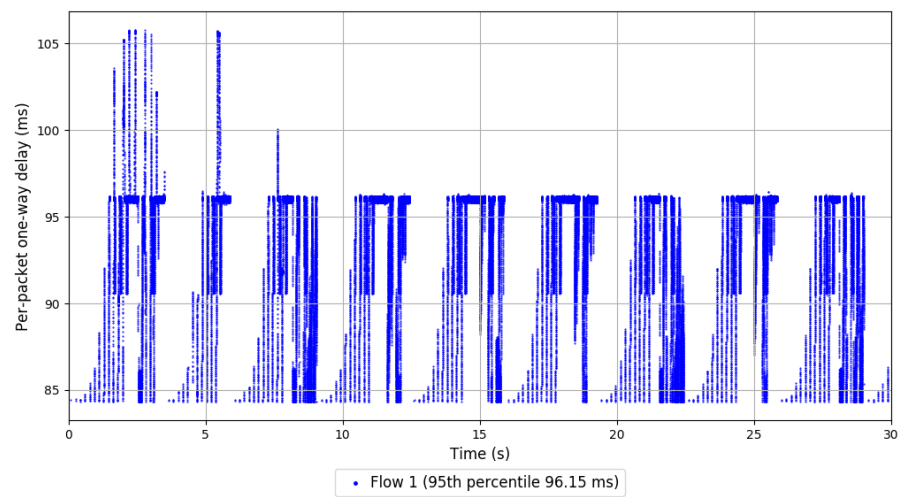
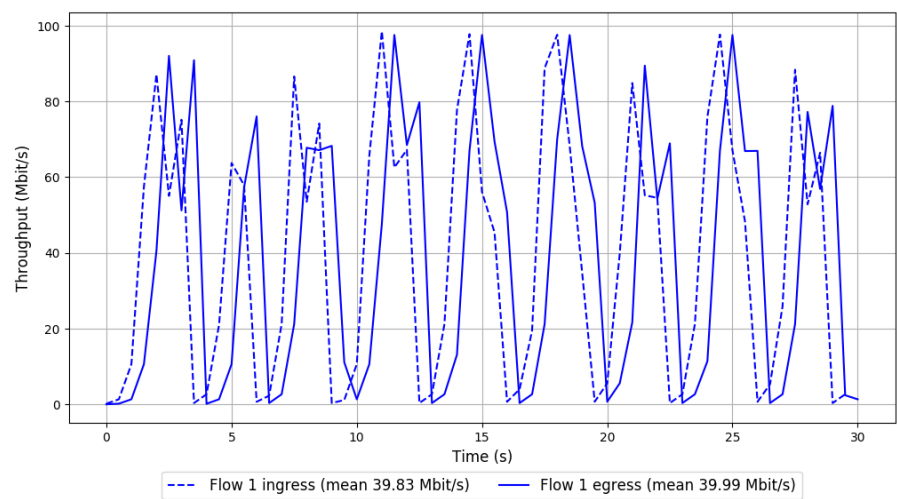


Run 2: Statistics of Verus

Start at: 2018-06-05 20:05:26
End at: 2018-06-05 20:05:56
Local clock offset: -1.017 ms
Remote clock offset: 10.189 ms

Below is generated by plot.py at 2018-06-05 22:55:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 96.150 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 96.150 ms
Loss rate: 0.17%

Run 2: Report of Verus — Data Link

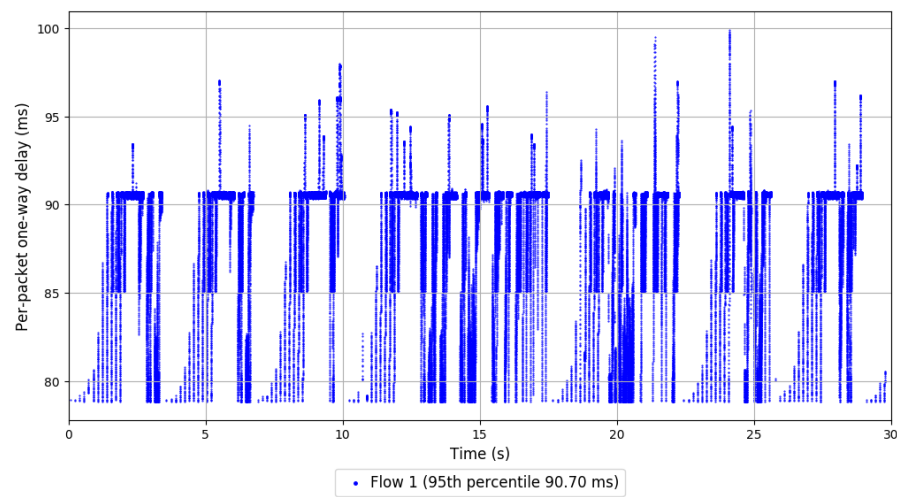
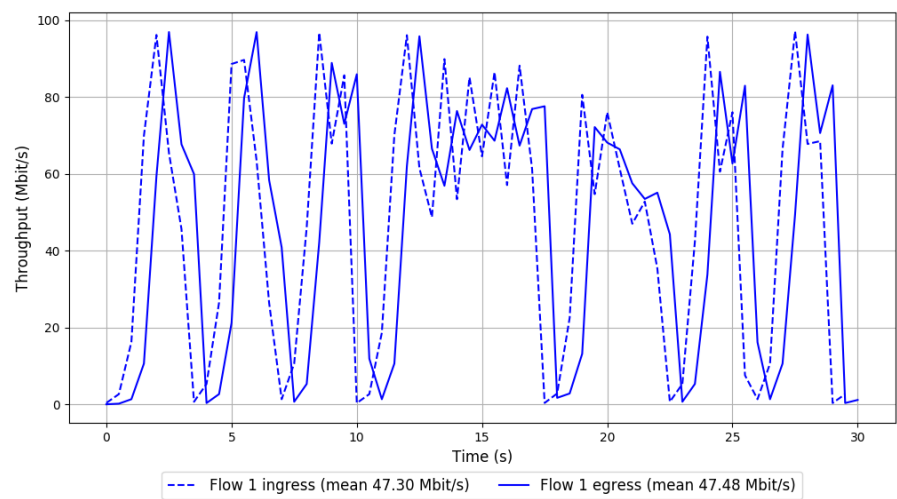


Run 3: Statistics of Verus

Start at: 2018-06-05 20:24:05
End at: 2018-06-05 20:24:35
Local clock offset: -2.461 ms
Remote clock offset: 12.027 ms

Below is generated by plot.py at 2018-06-05 22:55:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.48 Mbit/s
95th percentile per-packet one-way delay: 90.698 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 47.48 Mbit/s
95th percentile per-packet one-way delay: 90.698 ms
Loss rate: 0.17%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-06-05 20:42:50

End at: 2018-06-05 20:43:20

Local clock offset: -5.89 ms

Remote clock offset: 9.834 ms

Below is generated by plot.py at 2018-06-05 22:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.08 Mbit/s

95th percentile per-packet one-way delay: 92.169 ms

Loss rate: 0.37%

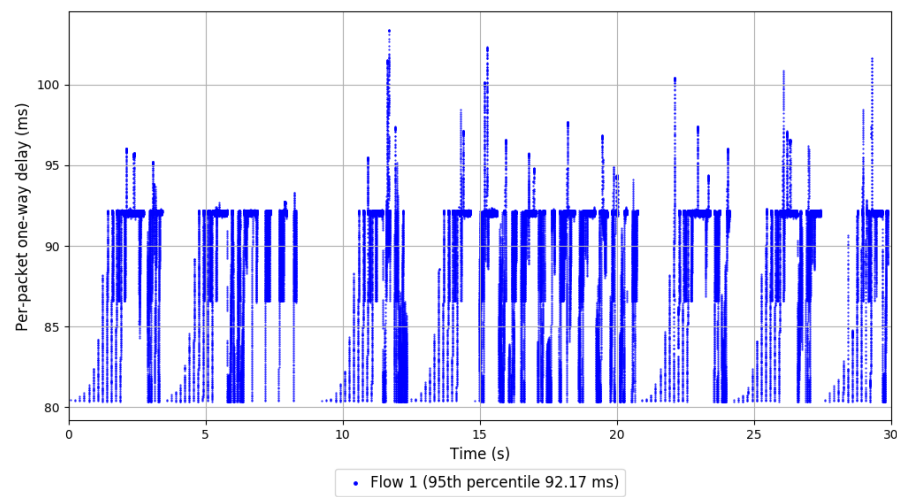
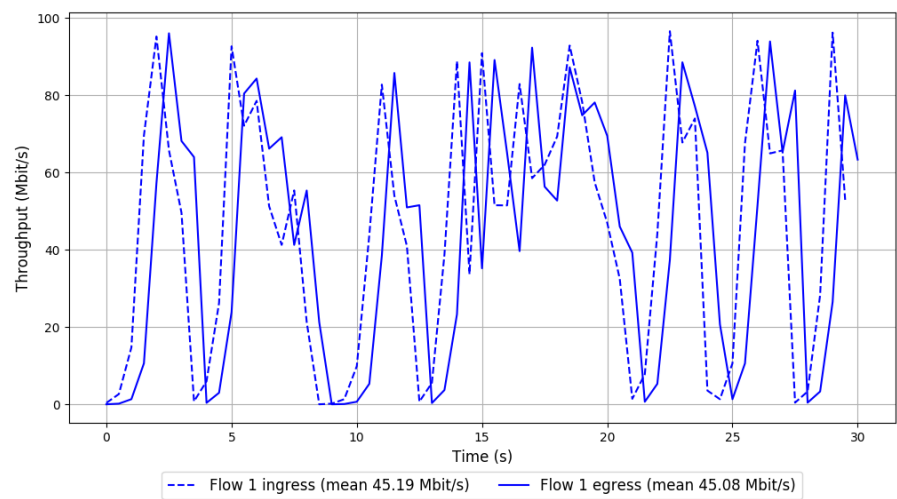
-- Flow 1:

Average throughput: 45.08 Mbit/s

95th percentile per-packet one-way delay: 92.169 ms

Loss rate: 0.37%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-05 21:01:27

End at: 2018-06-05 21:01:57

Local clock offset: -8.589 ms

Remote clock offset: 2.934 ms

Below is generated by plot.py at 2018-06-05 22:55:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.59 Mbit/s

95th percentile per-packet one-way delay: 93.566 ms

Loss rate: 0.16%

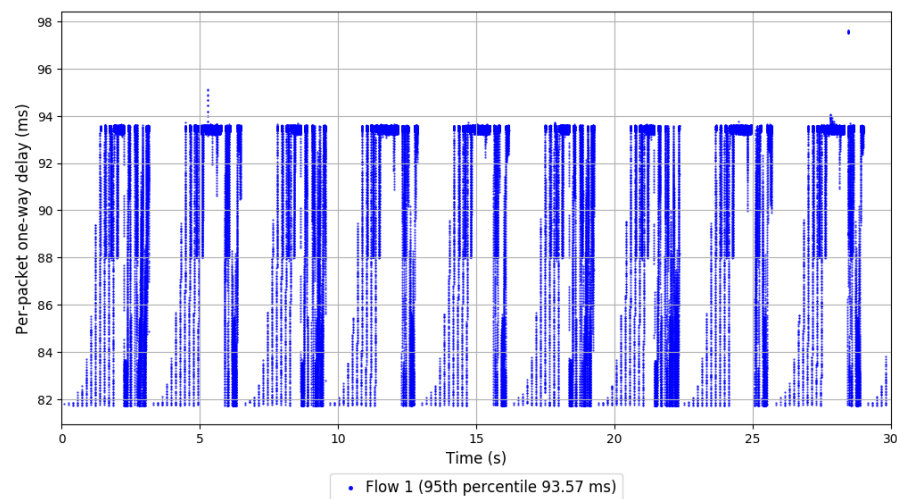
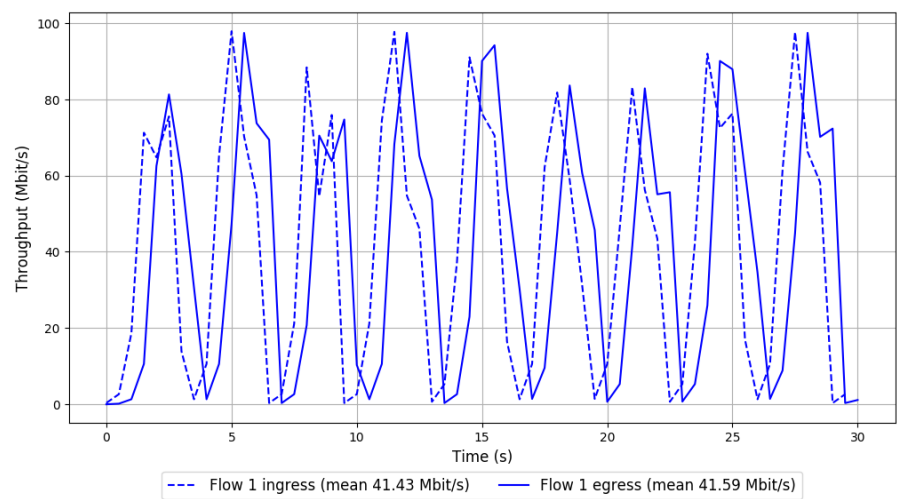
-- Flow 1:

Average throughput: 41.59 Mbit/s

95th percentile per-packet one-way delay: 93.566 ms

Loss rate: 0.16%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-05 21:20:06

End at: 2018-06-05 21:20:36

Local clock offset: -8.538 ms

Remote clock offset: 9.91 ms

Below is generated by plot.py at 2018-06-05 22:55:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.38 Mbit/s

95th percentile per-packet one-way delay: 91.379 ms

Loss rate: 0.11%

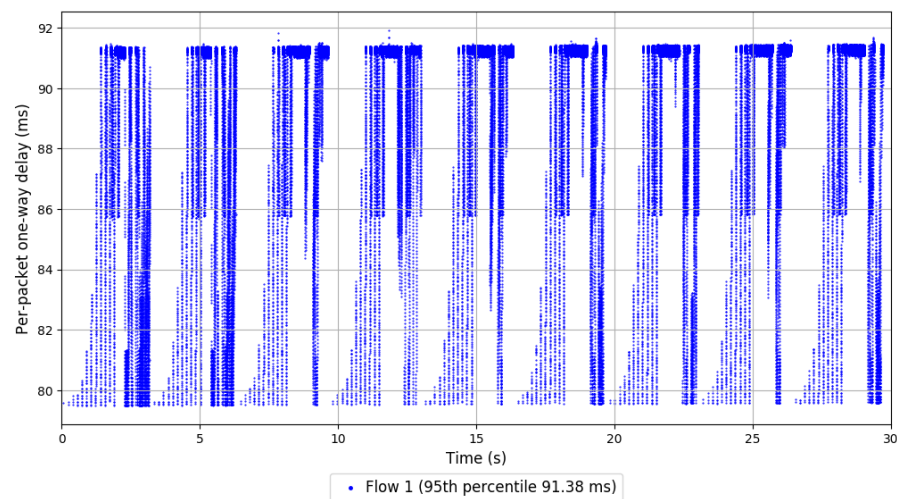
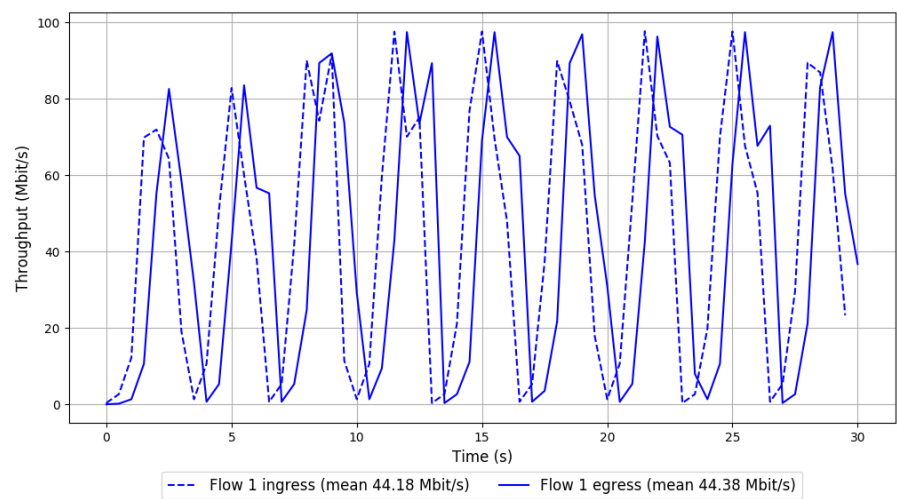
-- Flow 1:

Average throughput: 44.38 Mbit/s

95th percentile per-packet one-way delay: 91.379 ms

Loss rate: 0.11%

Run 6: Report of Verus — Data Link

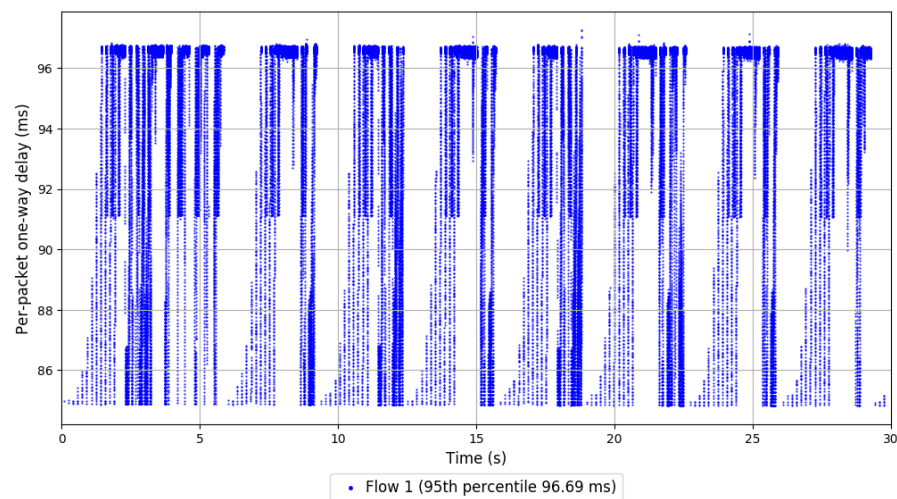
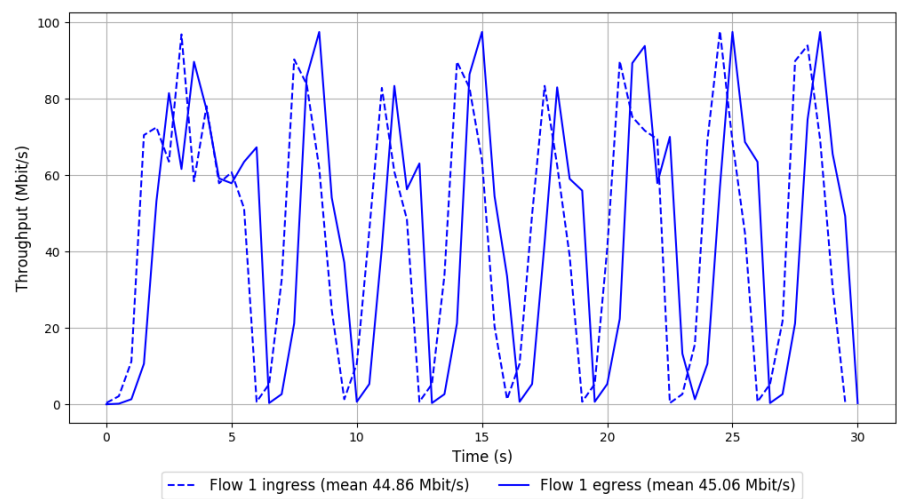


Run 7: Statistics of Verus

Start at: 2018-06-05 21:38:45
End at: 2018-06-05 21:39:15
Local clock offset: -8.375 ms
Remote clock offset: 5.734 ms

Below is generated by plot.py at 2018-06-05 22:55:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.06 Mbit/s
95th percentile per-packet one-way delay: 96.690 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 45.06 Mbit/s
95th percentile per-packet one-way delay: 96.690 ms
Loss rate: 0.11%

Run 7: Report of Verus — Data Link

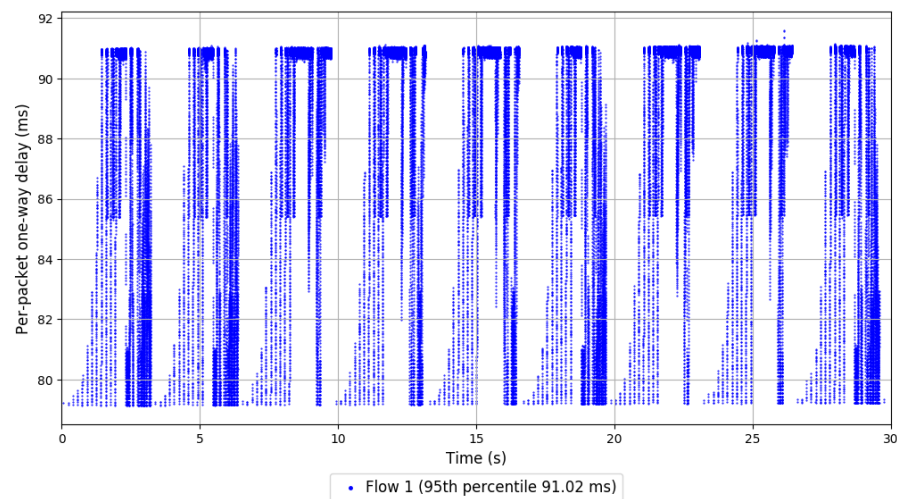
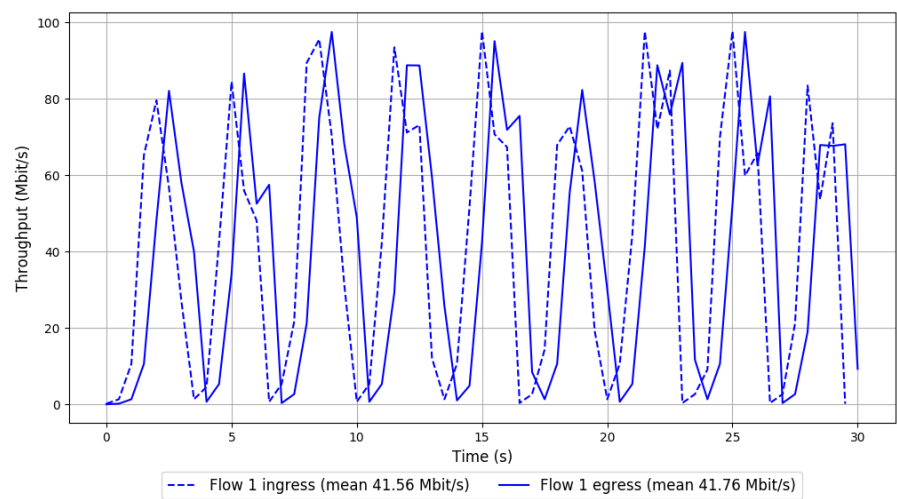


Run 8: Statistics of Verus

Start at: 2018-06-05 21:57:25
End at: 2018-06-05 21:57:55
Local clock offset: -7.493 ms
Remote clock offset: 13.496 ms

Below is generated by plot.py at 2018-06-05 22:55:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 91.016 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 91.016 ms
Loss rate: 0.09%

Run 8: Report of Verus — Data Link

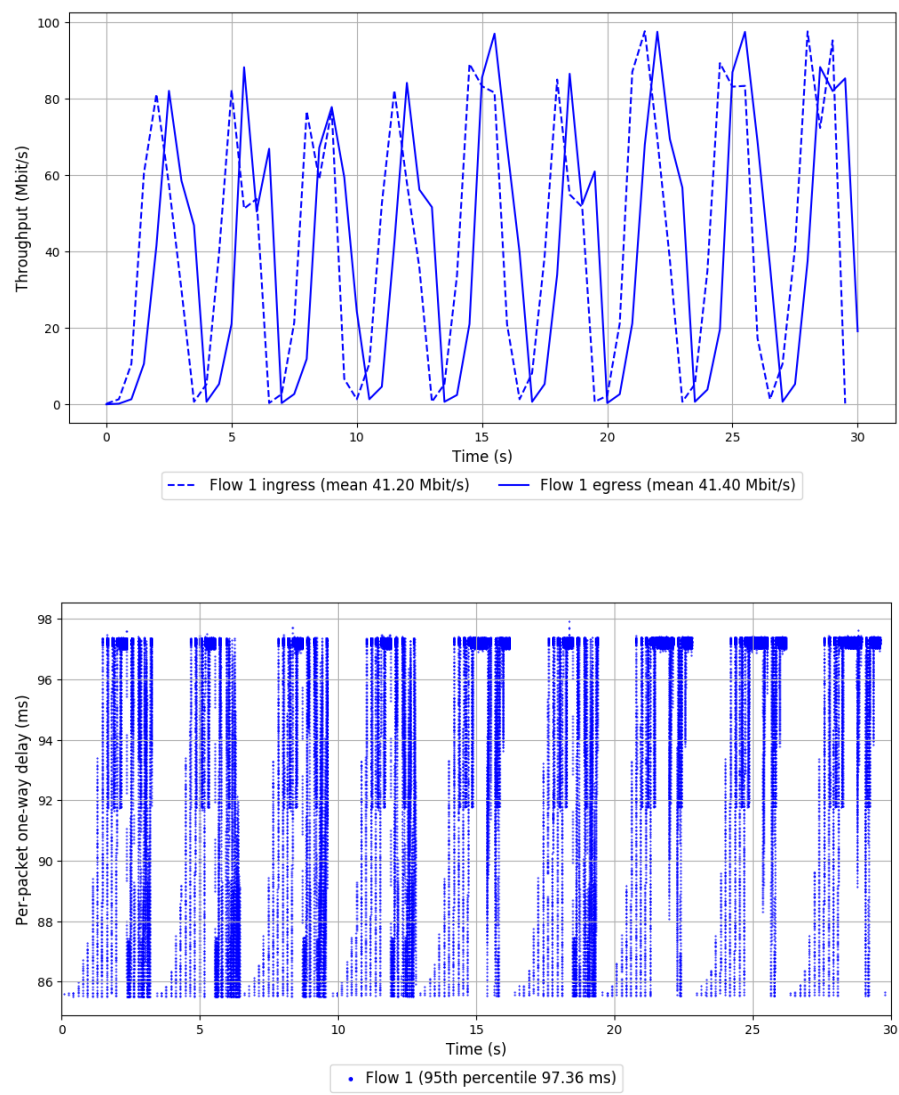


Run 9: Statistics of Verus

Start at: 2018-06-05 22:16:02
End at: 2018-06-05 22:16:32
Local clock offset: -6.653 ms
Remote clock offset: 11.622 ms

Below is generated by plot.py at 2018-06-05 22:55:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.40 Mbit/s
95th percentile per-packet one-way delay: 97.355 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 41.40 Mbit/s
95th percentile per-packet one-way delay: 97.355 ms
Loss rate: 0.10%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-05 22:34:42

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

Local clock offset: -6.133 ms

Remote clock offset: 5.719 ms

Below is generated by plot.py at 2018-06-05 22:55:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.13 Mbit/s

95th percentile per-packet one-way delay: 95.676 ms

Loss rate: 0.96%

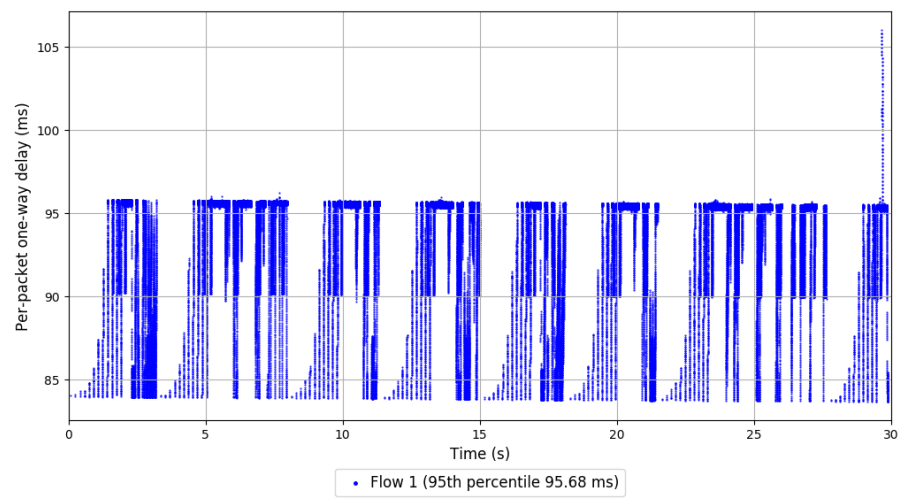
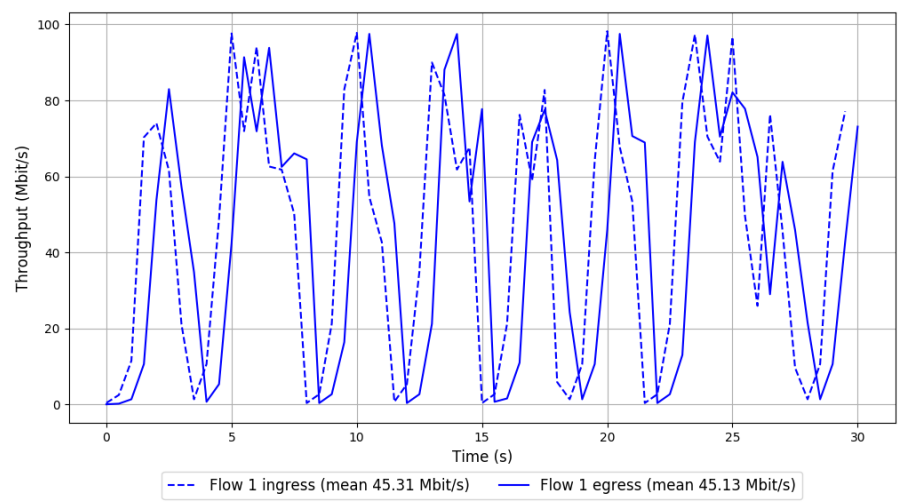
-- Flow 1:

Average throughput: 45.13 Mbit/s

95th percentile per-packet one-way delay: 95.676 ms

Loss rate: 0.96%

Run 10: Report of Verus — Data Link

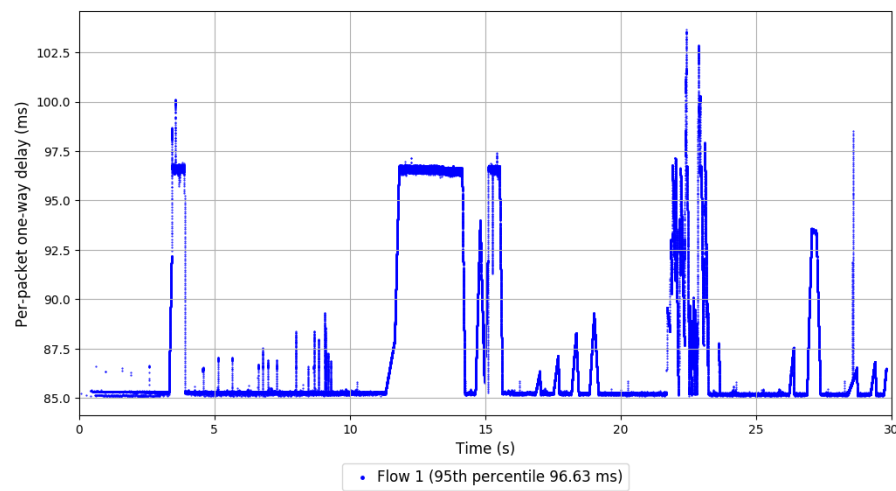
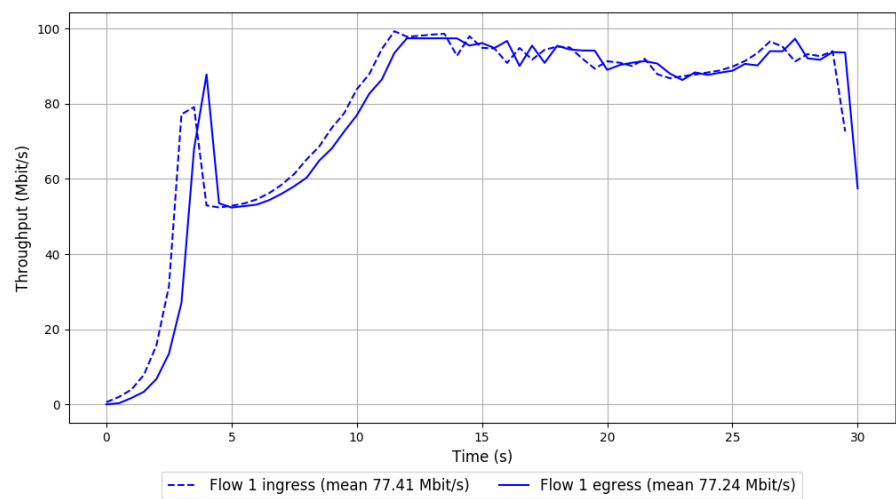


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-05 19:32:48
End at: 2018-06-05 19:33:18
Local clock offset: -0.971 ms
Remote clock offset: 11.427 ms

Below is generated by plot.py at 2018-06-05 22:56:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 96.626 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 96.626 ms
Loss rate: 0.76%

Run 1: Report of PCC-Vivace — Data Link

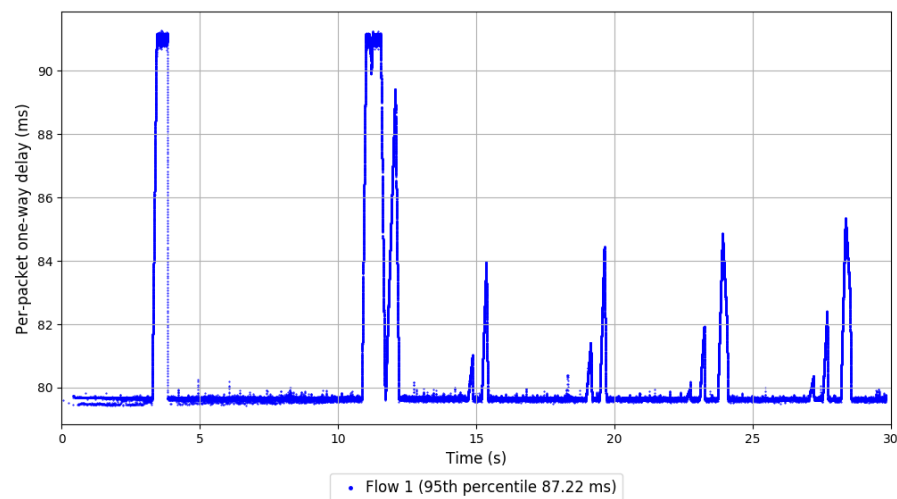
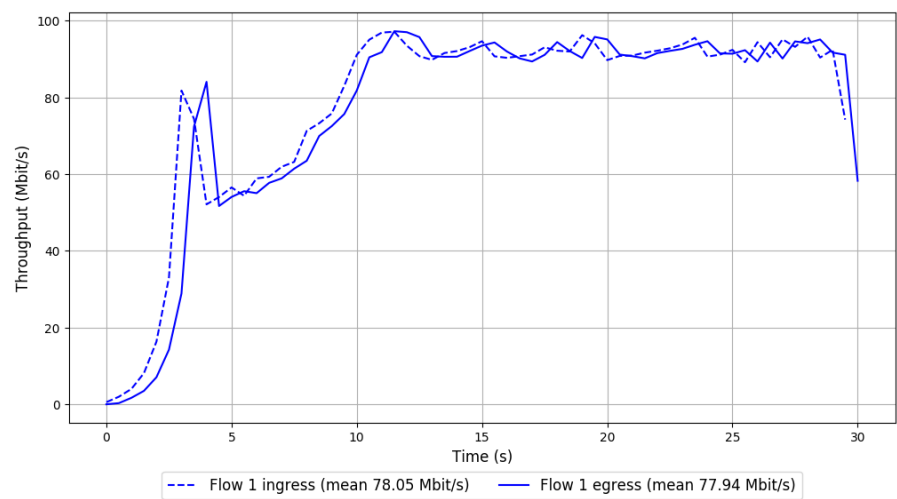


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-05 19:51:26
End at: 2018-06-05 19:51:56
Local clock offset: -1.697 ms
Remote clock offset: 14.875 ms

Below is generated by plot.py at 2018-06-05 22:56:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.94 Mbit/s
95th percentile per-packet one-way delay: 87.222 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 77.94 Mbit/s
95th percentile per-packet one-way delay: 87.222 ms
Loss rate: 0.68%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-05 20:10:03

End at: 2018-06-05 20:10:33

Local clock offset: -1.289 ms

Remote clock offset: 8.779 ms

Below is generated by plot.py at 2018-06-05 22:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.95 Mbit/s

95th percentile per-packet one-way delay: 94.360 ms

Loss rate: 0.66%

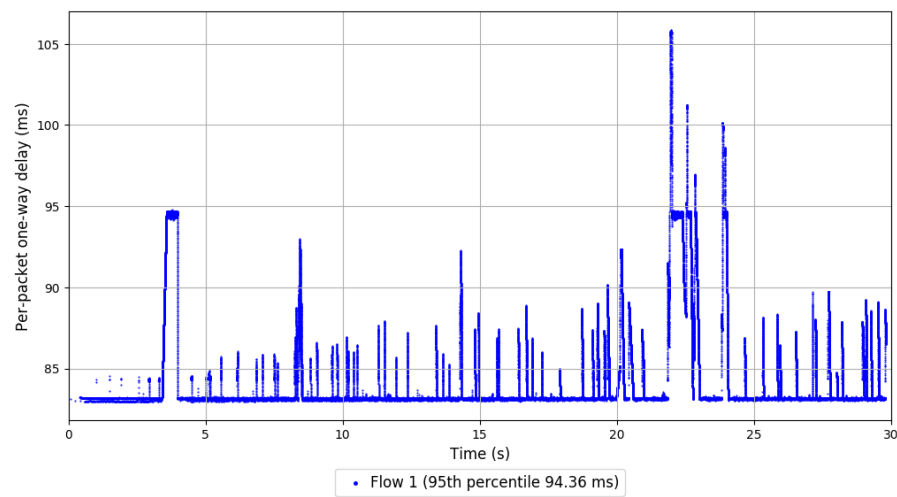
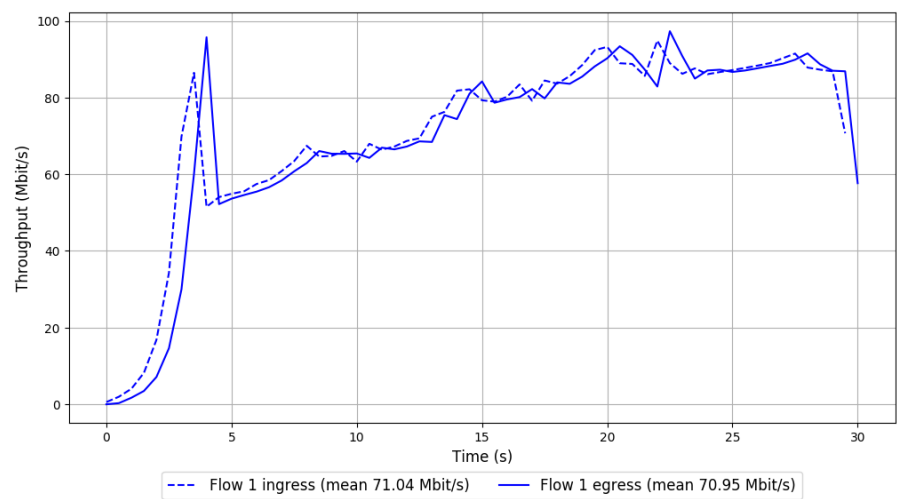
-- Flow 1:

Average throughput: 70.95 Mbit/s

95th percentile per-packet one-way delay: 94.360 ms

Loss rate: 0.66%

Run 3: Report of PCC-Vivace — Data Link

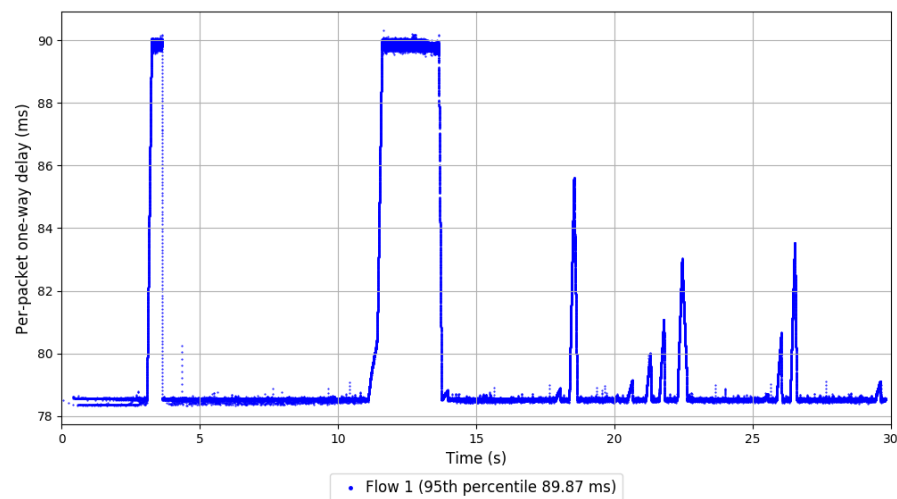
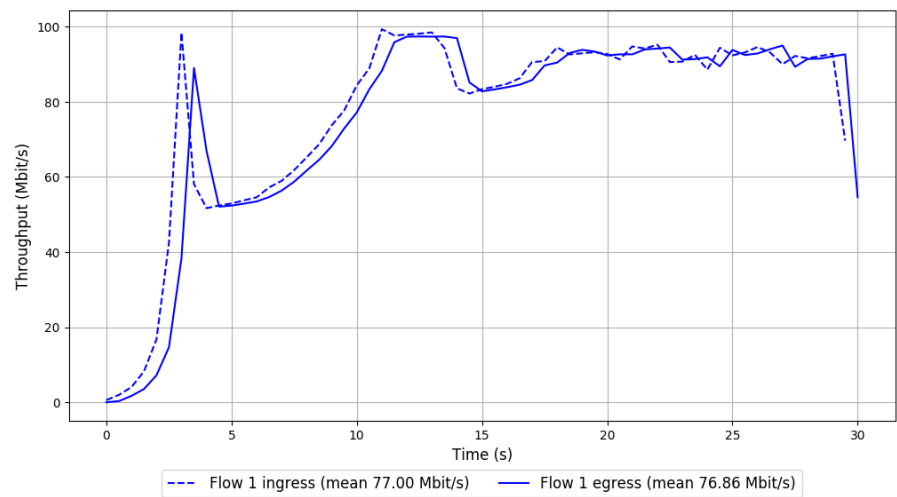


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-05 20:28:42
End at: 2018-06-05 20:29:12
Local clock offset: -1.766 ms
Remote clock offset: 13.081 ms

Below is generated by plot.py at 2018-06-05 22:56:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.86 Mbit/s
95th percentile per-packet one-way delay: 89.866 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 76.86 Mbit/s
95th percentile per-packet one-way delay: 89.866 ms
Loss rate: 0.73%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-05 20:47:27

End at: 2018-06-05 20:47:57

Local clock offset: -7.618 ms

Remote clock offset: 3.725 ms

Below is generated by plot.py at 2018-06-05 22:56:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.30 Mbit/s

95th percentile per-packet one-way delay: 95.472 ms

Loss rate: 0.52%

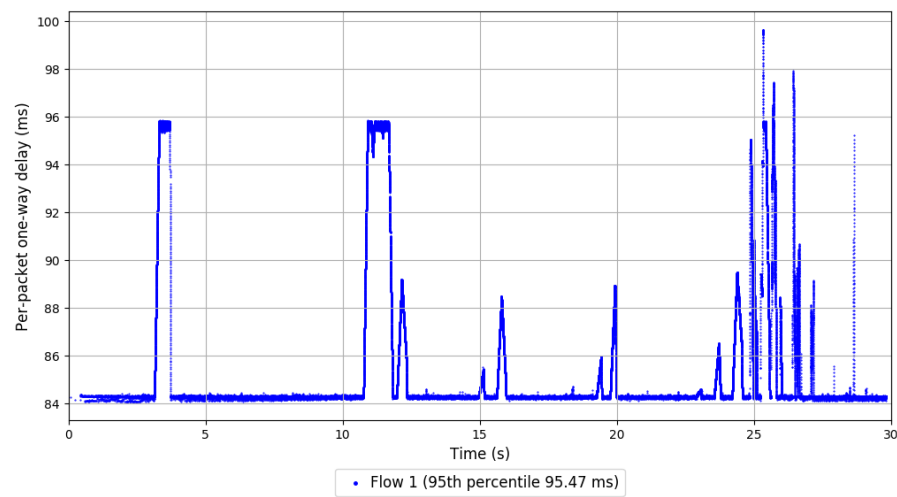
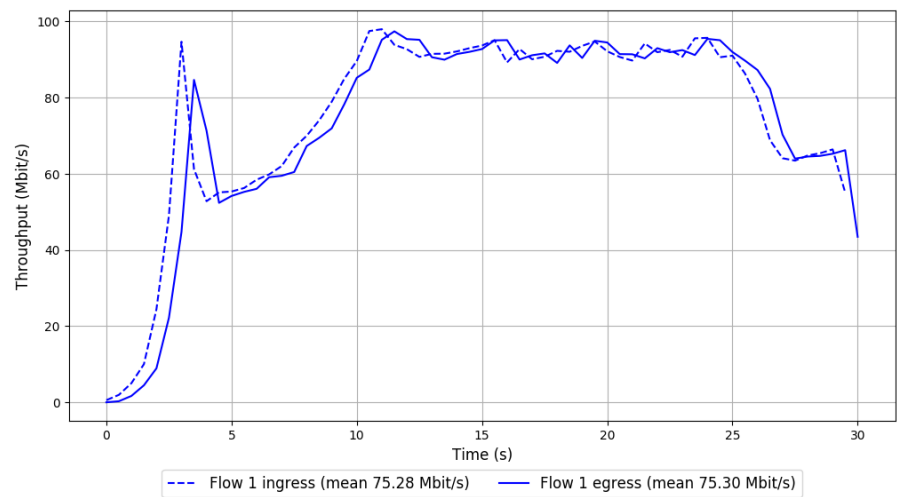
-- Flow 1:

Average throughput: 75.30 Mbit/s

95th percentile per-packet one-way delay: 95.472 ms

Loss rate: 0.52%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-05 21:06:04

End at: 2018-06-05 21:06:34

Local clock offset: -8.1 ms

Remote clock offset: 7.376 ms

Below is generated by plot.py at 2018-06-05 22:56:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.42 Mbit/s

95th percentile per-packet one-way delay: 88.738 ms

Loss rate: 0.40%

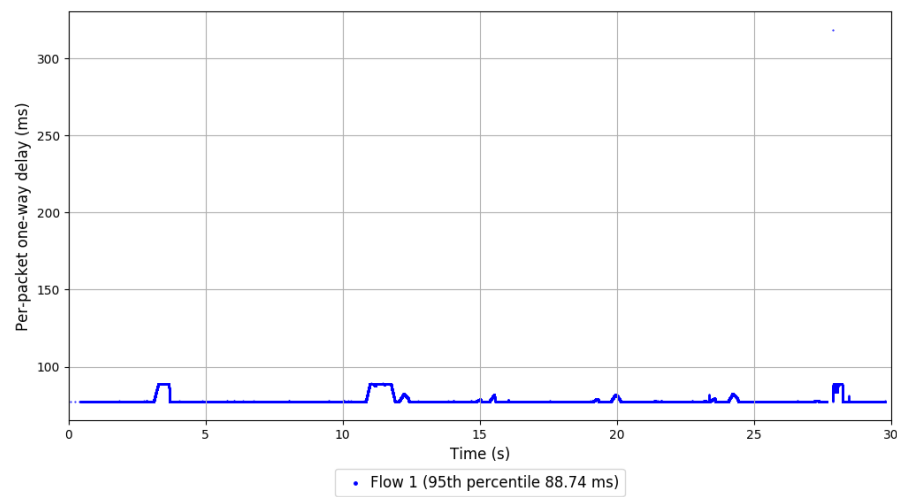
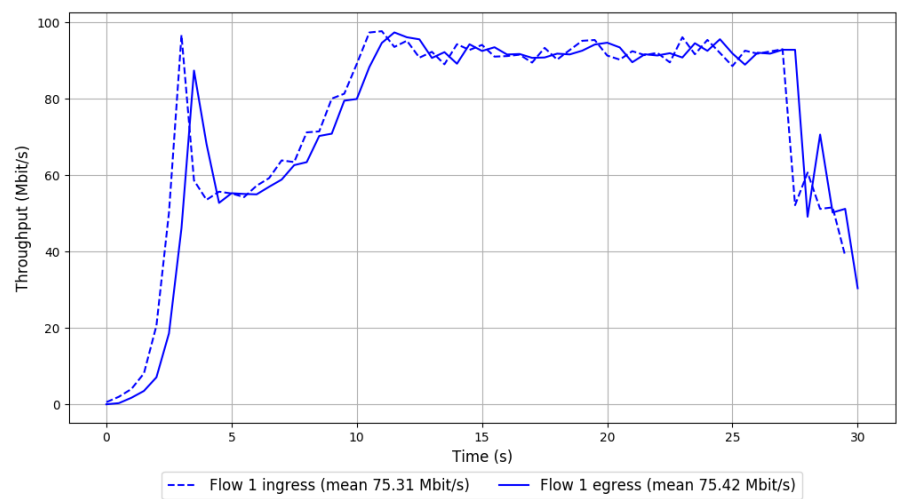
-- Flow 1:

Average throughput: 75.42 Mbit/s

95th percentile per-packet one-way delay: 88.738 ms

Loss rate: 0.40%

Run 6: Report of PCC-Vivace — Data Link

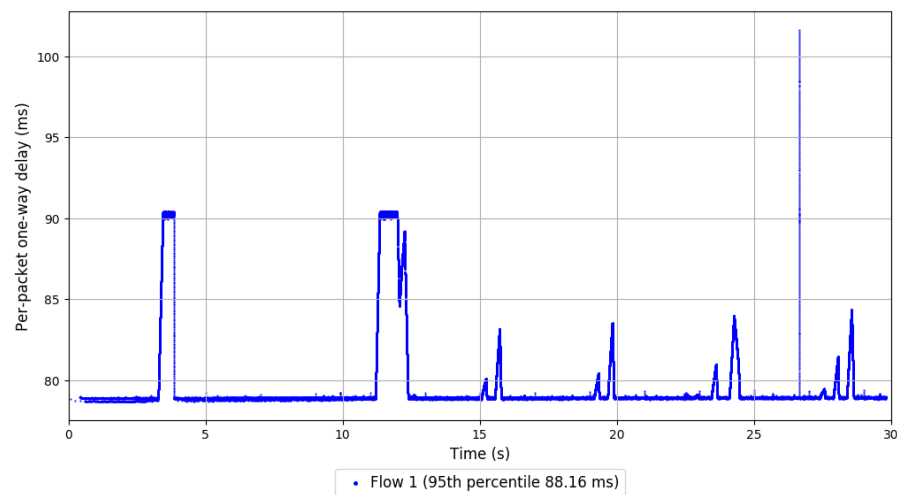
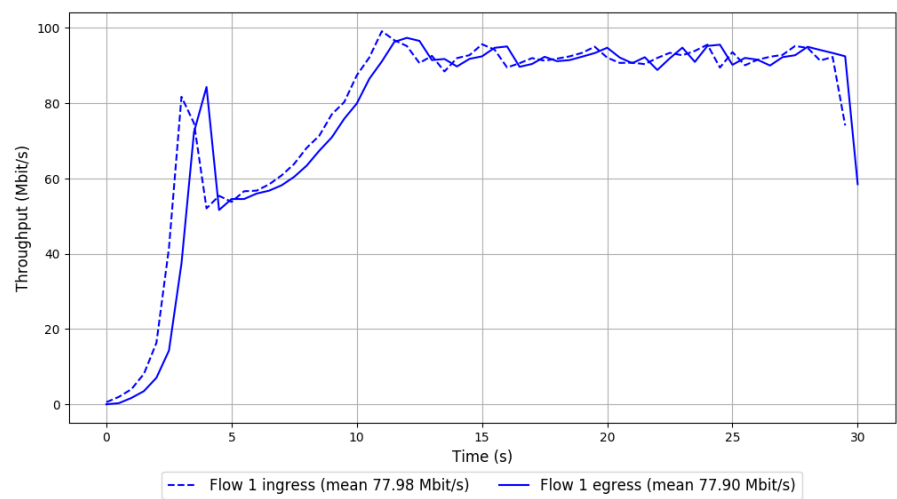


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-05 21:24:43
End at: 2018-06-05 21:25:13
Local clock offset: -9.572 ms
Remote clock offset: 10.303 ms

Below is generated by plot.py at 2018-06-05 22:56:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 88.156 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 88.156 ms
Loss rate: 0.65%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-05 21:43:22

End at: 2018-06-05 21:43:52

Local clock offset: -7.878 ms

Remote clock offset: 4.672 ms

Below is generated by plot.py at 2018-06-05 22:56:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.82 Mbit/s

95th percentile per-packet one-way delay: 94.179 ms

Loss rate: 0.69%

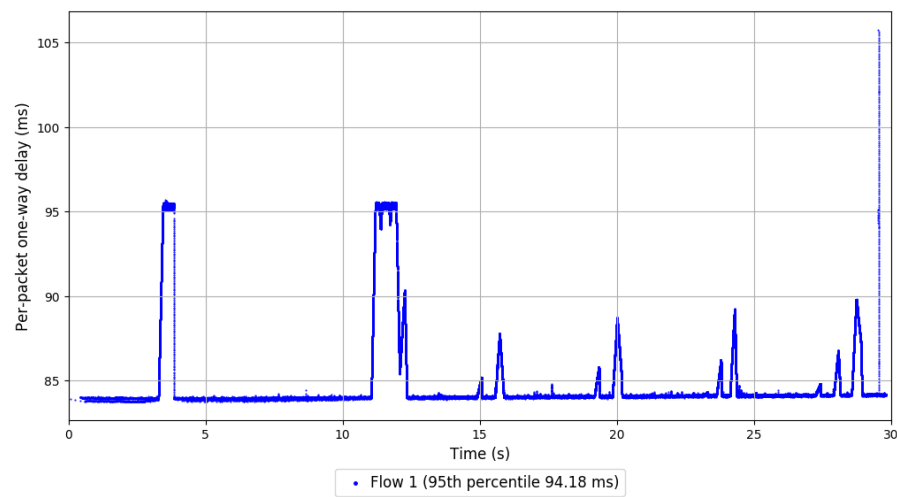
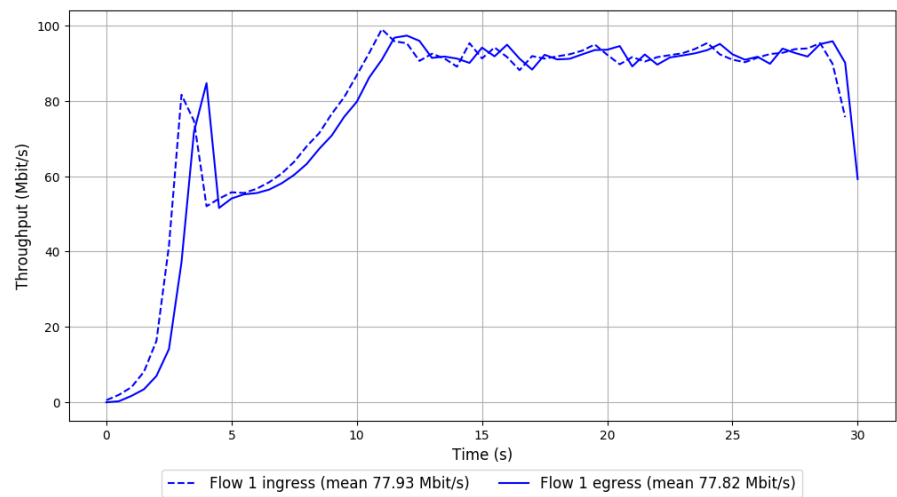
-- Flow 1:

Average throughput: 77.82 Mbit/s

95th percentile per-packet one-way delay: 94.179 ms

Loss rate: 0.69%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-05 22:02:02

End at: 2018-06-05 22:02:32

Local clock offset: -7.52 ms

Remote clock offset: 15.281 ms

Below is generated by plot.py at 2018-06-05 22:56:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.32 Mbit/s

95th percentile per-packet one-way delay: 90.442 ms

Loss rate: 0.71%

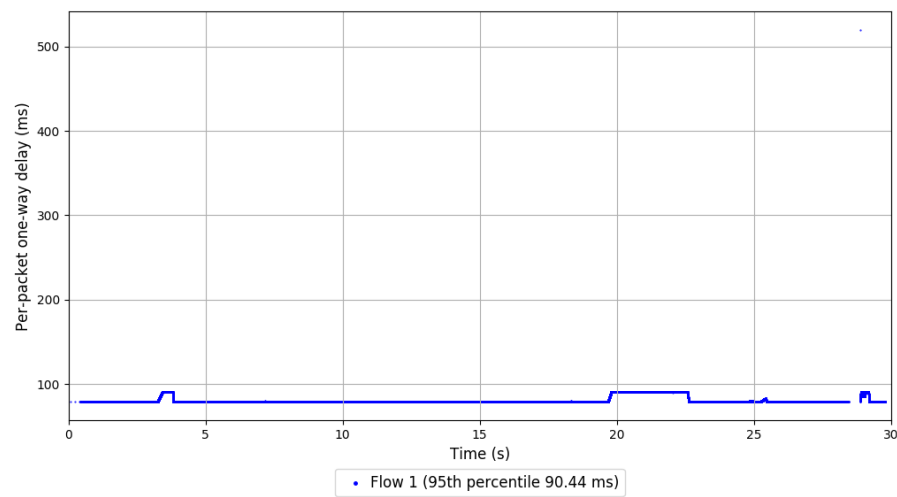
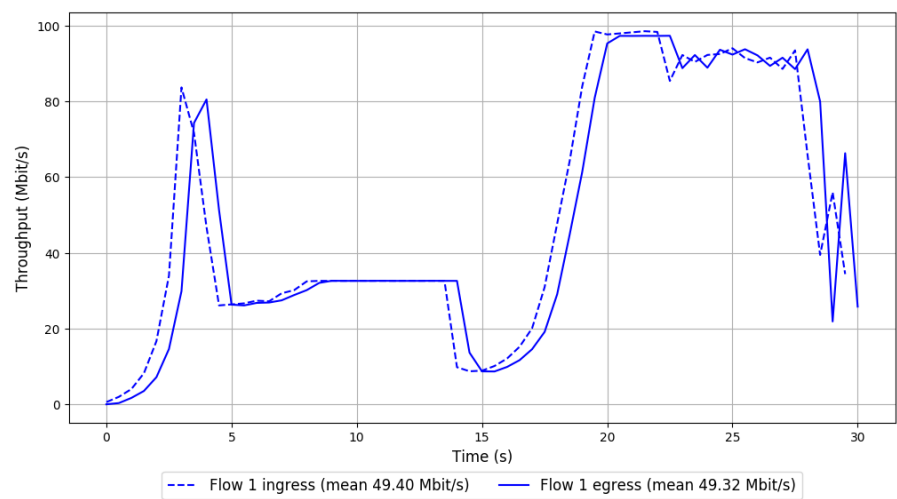
-- Flow 1:

Average throughput: 49.32 Mbit/s

95th percentile per-packet one-way delay: 90.442 ms

Loss rate: 0.71%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-05 22:20:38

End at: 2018-06-05 22:21:08

Local clock offset: -7.298 ms

Remote clock offset: 9.501 ms

Below is generated by plot.py at 2018-06-05 22:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.17 Mbit/s

95th percentile per-packet one-way delay: 94.417 ms

Loss rate: 0.73%

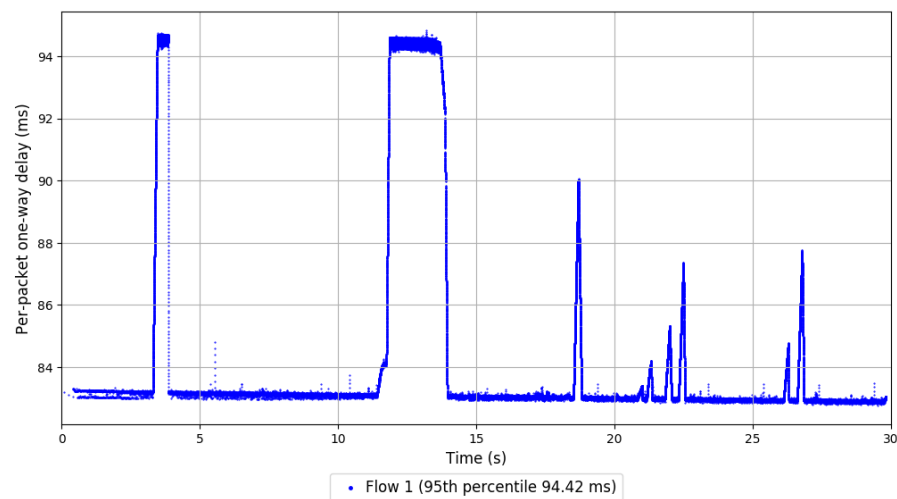
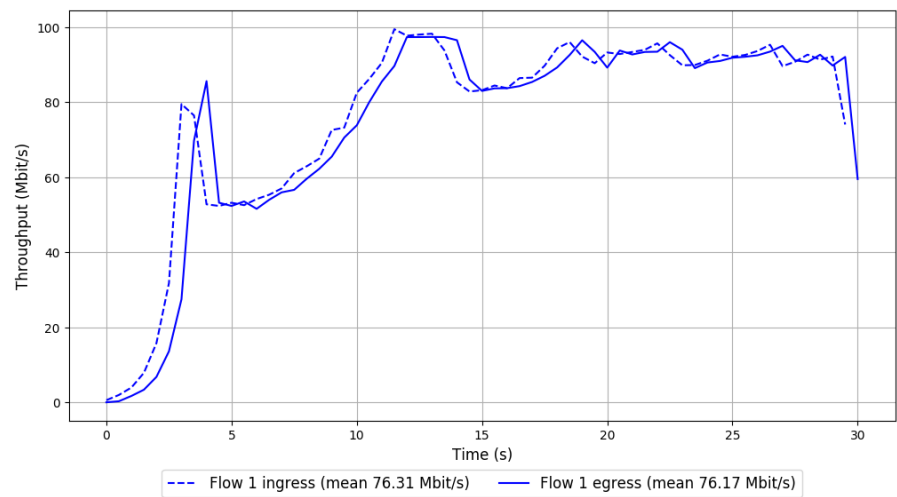
-- Flow 1:

Average throughput: 76.17 Mbit/s

95th percentile per-packet one-way delay: 94.417 ms

Loss rate: 0.73%

Run 10: Report of PCC-Vivace — Data Link

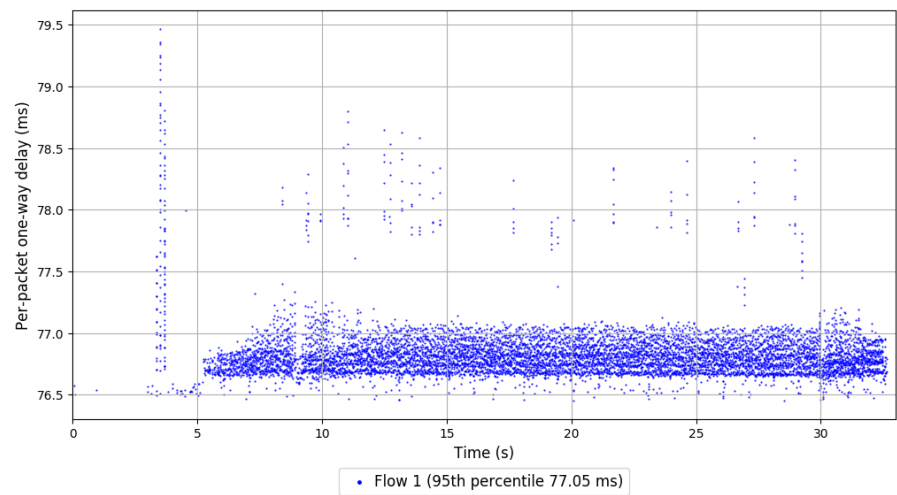
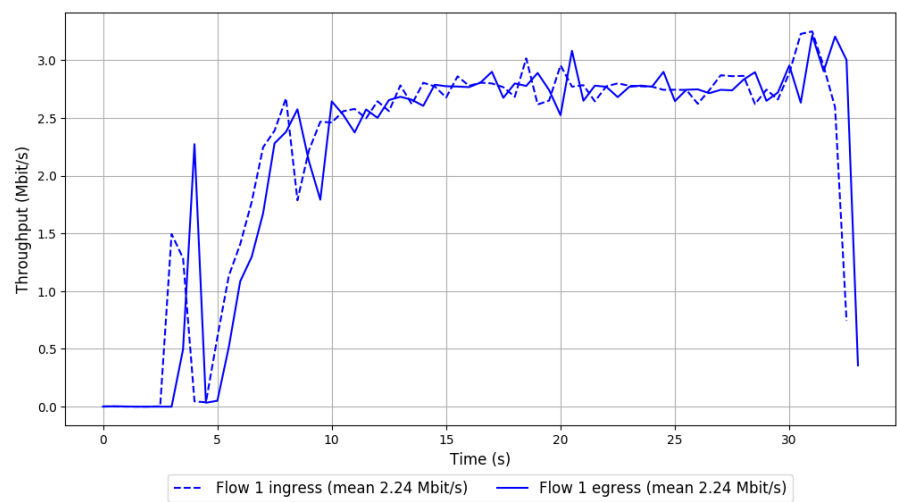


Run 1: Statistics of WebRTC media

Start at: 2018-06-05 19:44:32
End at: 2018-06-05 19:45:02
Local clock offset: -1.71 ms
Remote clock offset: 16.159 ms

Below is generated by plot.py at 2018-06-05 22:56:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 77.051 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 77.051 ms
Loss rate: 0.34%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-05 20:03:10

End at: 2018-06-05 20:03:40

Local clock offset: -1.673 ms

Remote clock offset: 9.38 ms

Below is generated by plot.py at 2018-06-05 22:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 82.948 ms

Loss rate: 0.31%

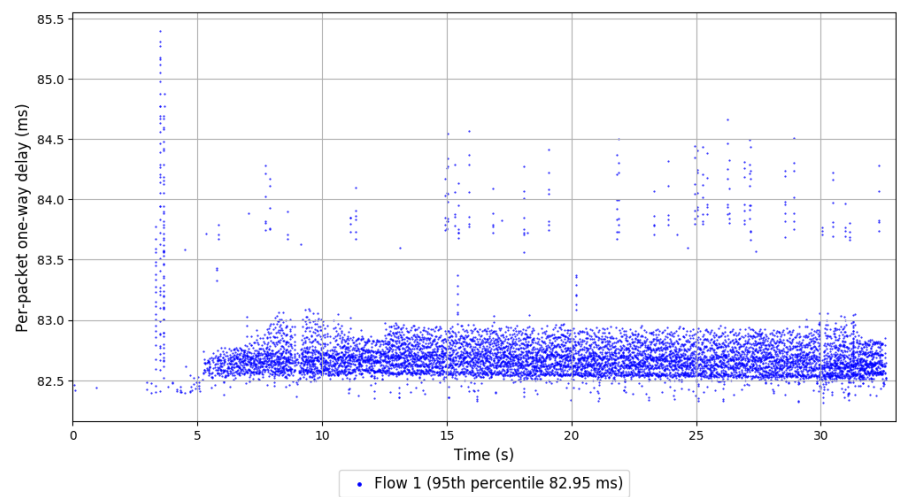
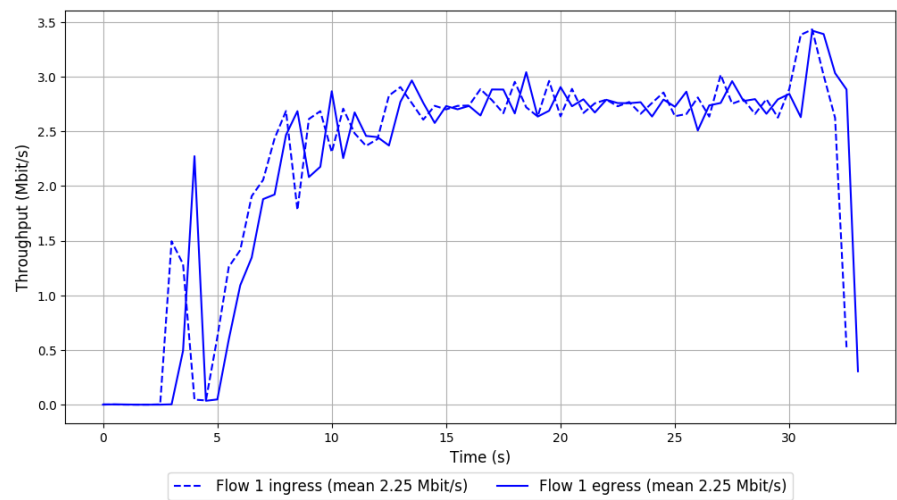
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 82.948 ms

Loss rate: 0.31%

Run 2: Report of WebRTC media — Data Link

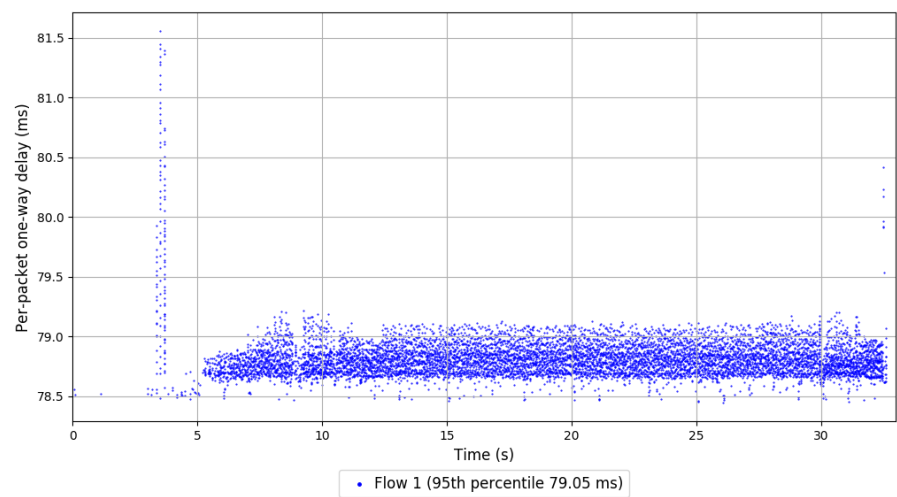
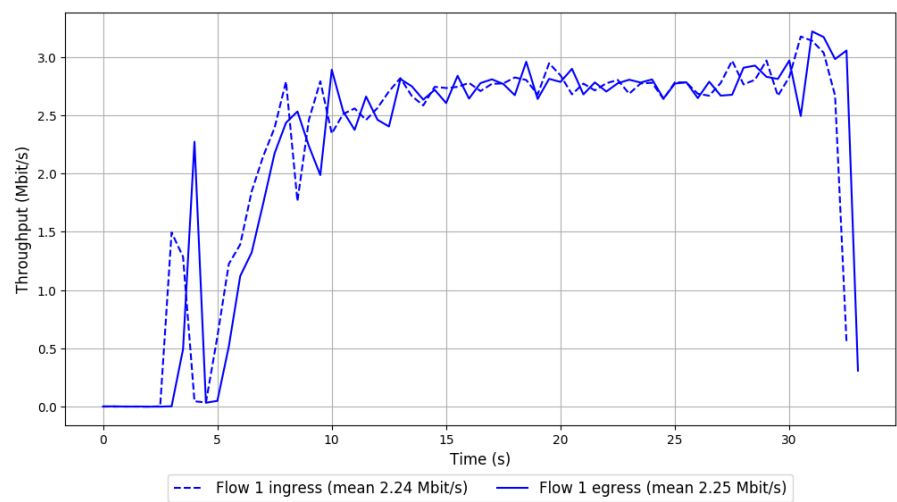


Run 3: Statistics of WebRTC media

Start at: 2018-06-05 20:21:49
End at: 2018-06-05 20:22:19
Local clock offset: -2.471 ms
Remote clock offset: 12.149 ms

Below is generated by plot.py at 2018-06-05 22:56:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 79.045 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 79.045 ms
Loss rate: 0.25%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-05 20:40:33

End at: 2018-06-05 20:41:03

Local clock offset: -6.126 ms

Remote clock offset: 6.58 ms

Below is generated by plot.py at 2018-06-05 22:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 81.435 ms

Loss rate: 0.26%

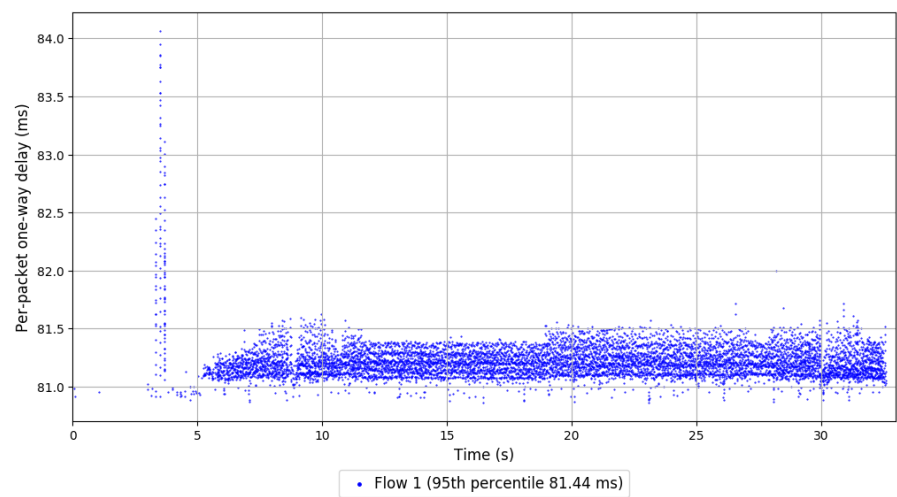
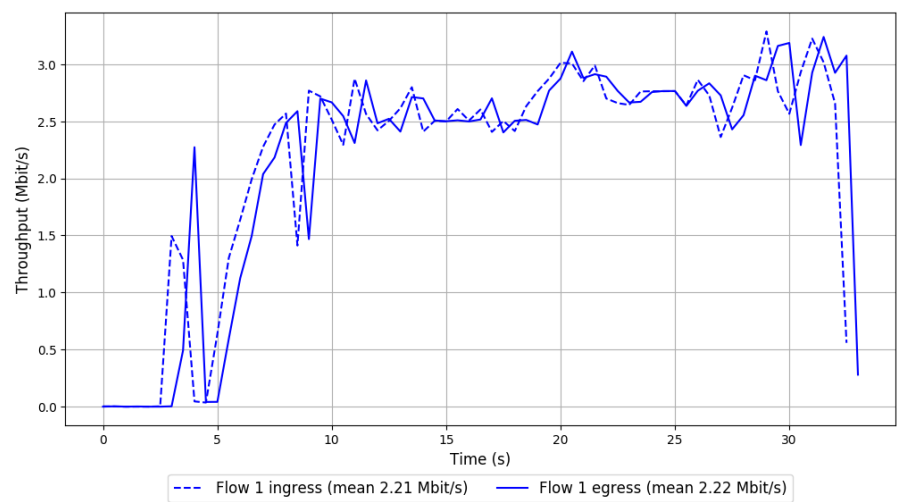
-- Flow 1:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 81.435 ms

Loss rate: 0.26%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-05 20:59:11

End at: 2018-06-05 20:59:41

Local clock offset: -8.378 ms

Remote clock offset: 2.089 ms

Below is generated by plot.py at 2018-06-05 22:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 85.191 ms

Loss rate: 0.29%

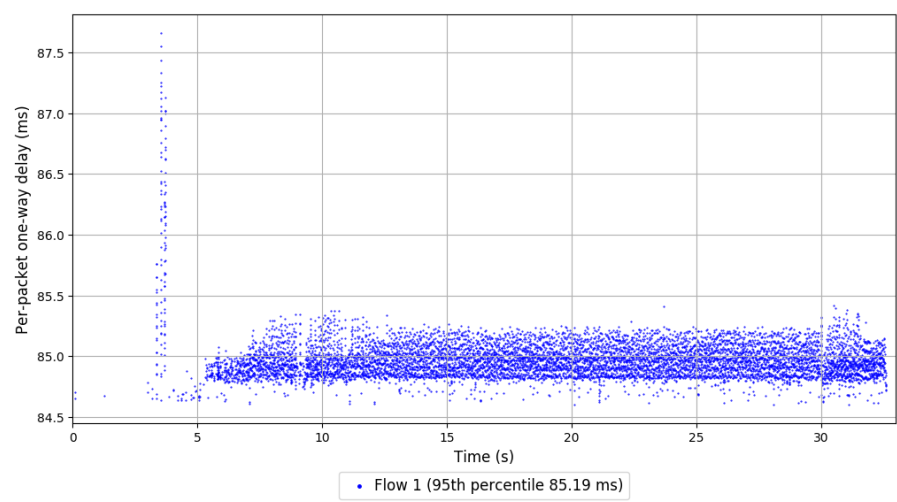
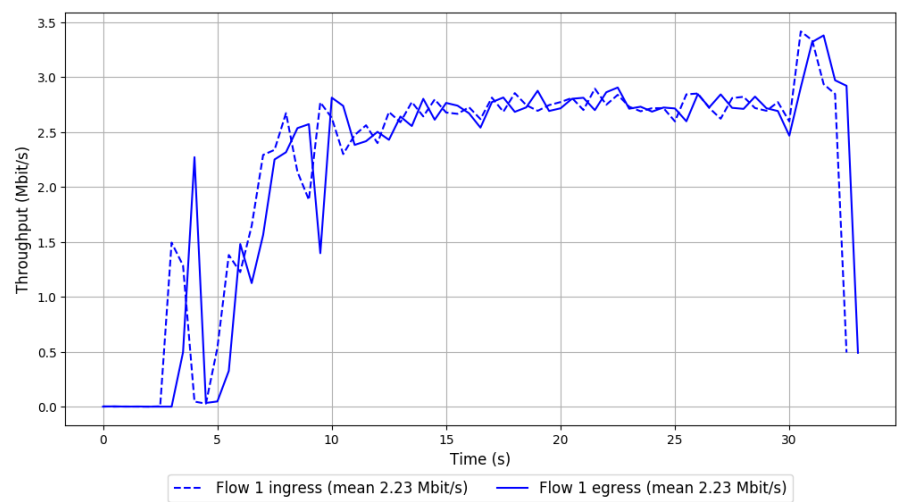
-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 85.191 ms

Loss rate: 0.29%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-05 21:17:49

End at: 2018-06-05 21:18:19

Local clock offset: -9.279 ms

Remote clock offset: 4.401 ms

Below is generated by plot.py at 2018-06-05 22:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 81.854 ms

Loss rate: 0.27%

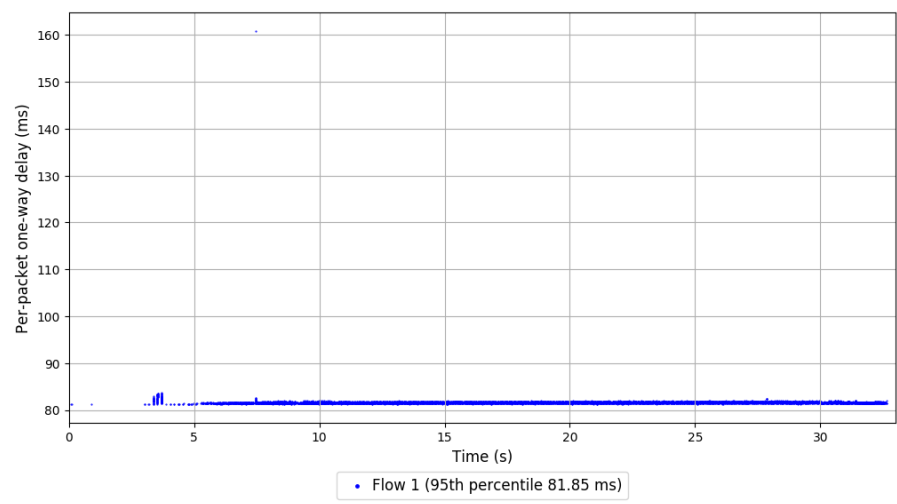
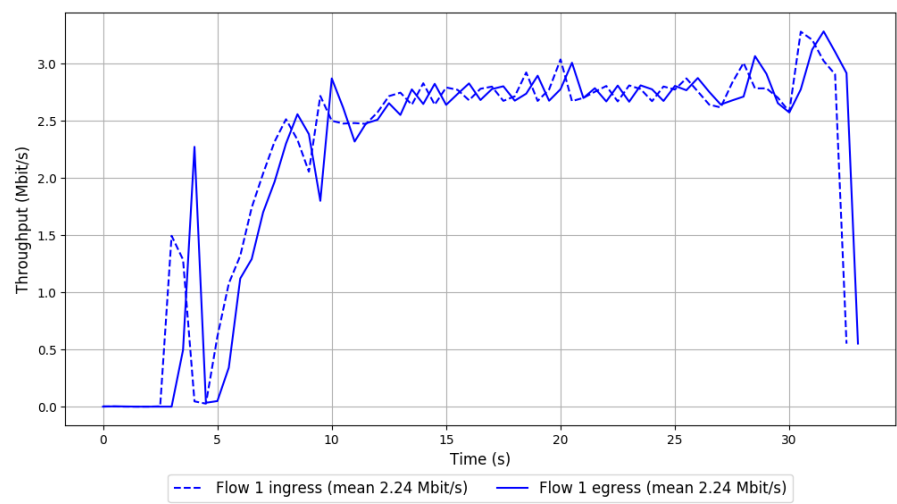
-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 81.854 ms

Loss rate: 0.27%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-05 21:36:28

End at: 2018-06-05 21:36:58

Local clock offset: -9.546 ms

Remote clock offset: 4.623 ms

Below is generated by plot.py at 2018-06-05 22:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 83.278 ms

Loss rate: 0.29%

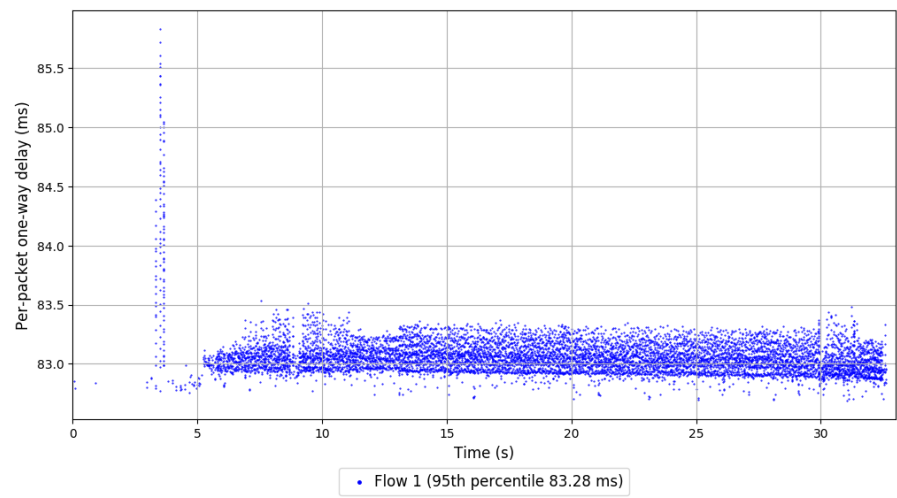
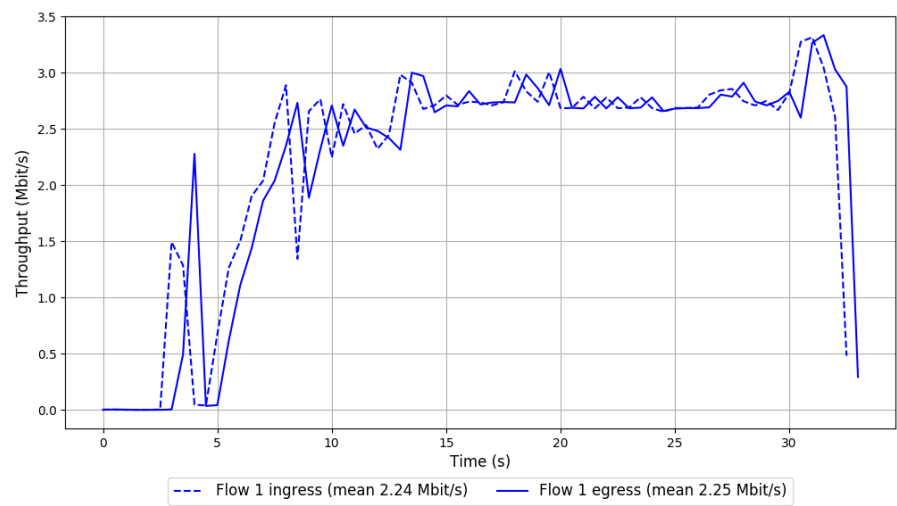
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 83.278 ms

Loss rate: 0.29%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-05 21:55:08

End at: 2018-06-05 21:55:38

Local clock offset: -8.26 ms

Remote clock offset: 8.992 ms

Below is generated by plot.py at 2018-06-05 22:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 85.754 ms

Loss rate: 0.35%

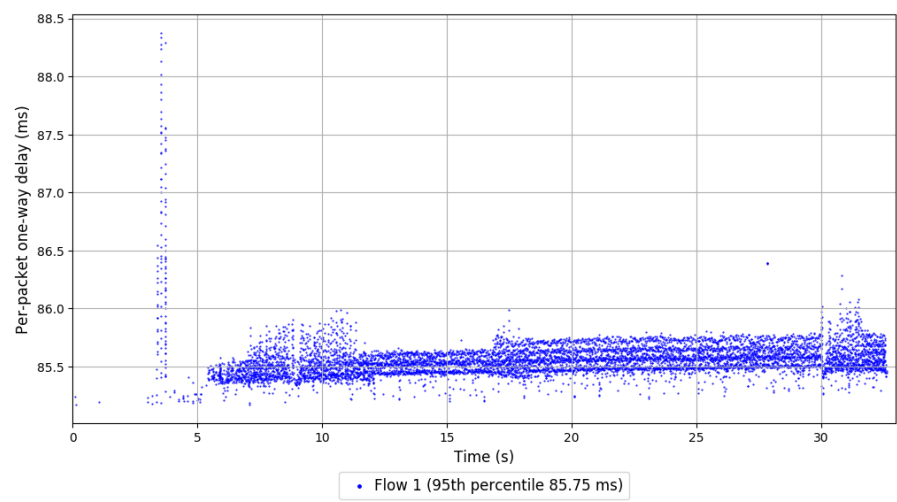
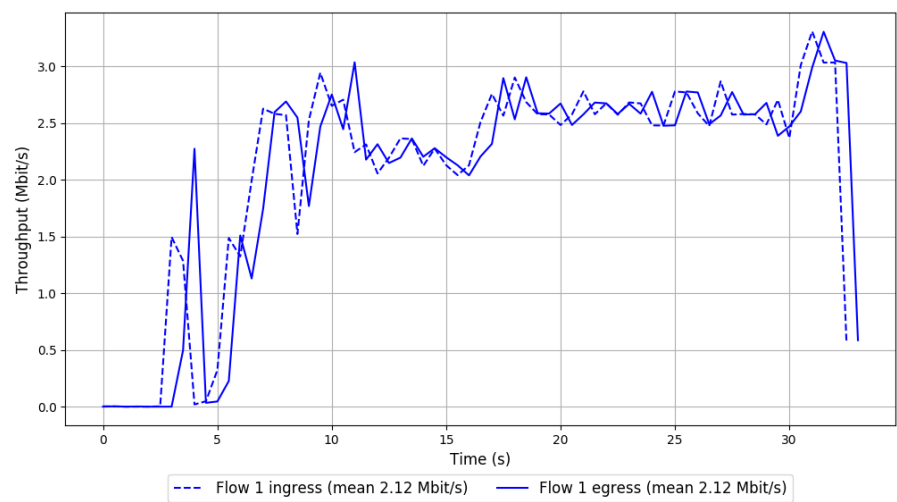
-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 85.754 ms

Loss rate: 0.35%

Run 8: Report of WebRTC media — Data Link

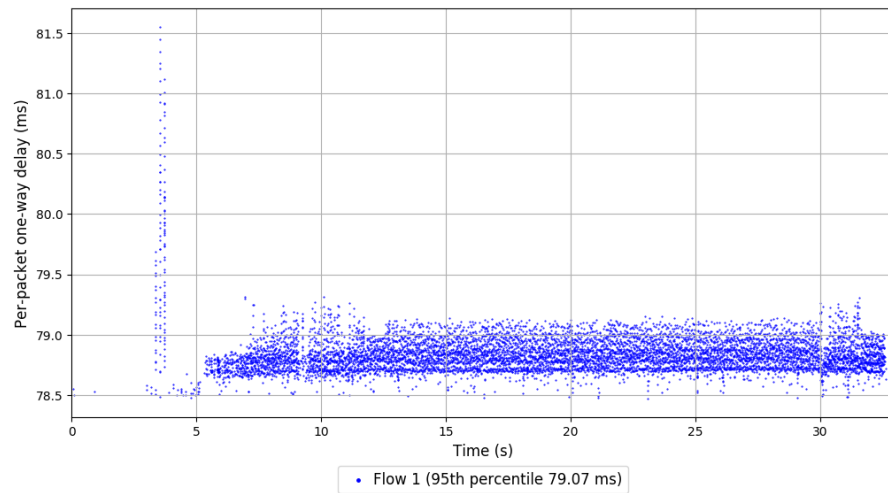
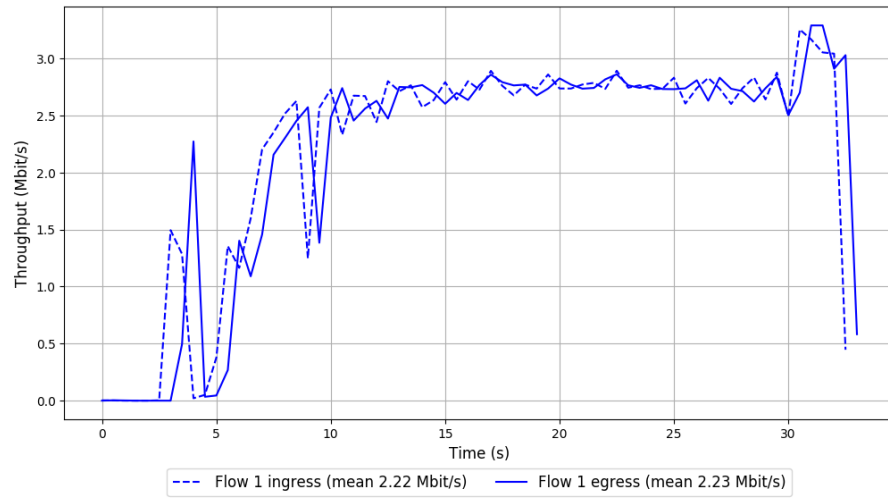


Run 9: Statistics of WebRTC media

Start at: 2018-06-05 22:13:45
End at: 2018-06-05 22:14:15
Local clock offset: -7.566 ms
Remote clock offset: 15.446 ms

Below is generated by plot.py at 2018-06-05 22:56:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 79.070 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 79.070 ms
Loss rate: 0.26%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-05 22:32:25

End at: 2018-06-05 22:32:55

Local clock offset: -7.224 ms

Remote clock offset: 6.147 ms

Below is generated by plot.py at 2018-06-05 22:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 82.115 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 82.115 ms

Loss rate: 0.29%

Run 10: Report of WebRTC media — Data Link

