

Pantheon Report

Generated at 2018-05-22 01:28:15 (UTC).

Data path: AWS California 2 Ethernet (*local*) → Mexico Ethernet (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

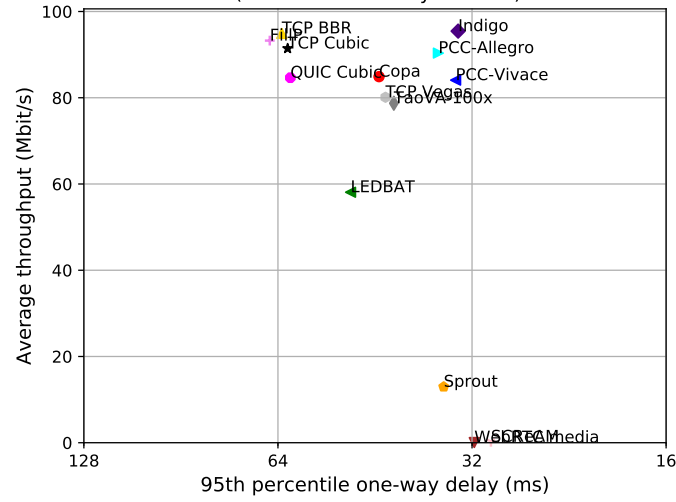
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

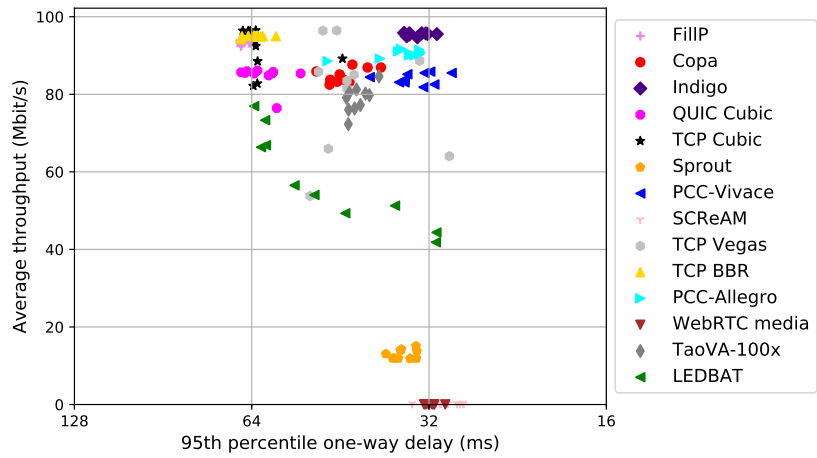
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	94.92	63.13	4.07
Copa	10	84.89	44.61	0.54
TCP Cubic	10	91.42	61.83	0.34
FillP	10	93.25	65.90	5.82
Indigo	10	95.45	33.63	0.04
LEDBAT	10	58.09	49.38	0.05
PCC-Allegro	10	90.36	36.09	0.67
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	10	84.65	61.23	1.07
SCReAM	10	0.22	29.91	0.01
Sprout	10	12.97	35.41	0.03
TaoVA-100x	10	78.73	42.31	0.04
TCP Vegas	10	80.11	43.59	0.32
Verus	0	N/A	N/A	N/A
PCC-Vivace	10	84.09	33.93	0.04
WebRTC media	10	0.05	31.75	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-21 21:59:02

End at: 2018-05-21 21:59:32

Local clock offset: -6.98 ms

Remote clock offset: 0.526 ms

Below is generated by plot.py at 2018-05-22 01:11:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.21 Mbit/s

95th percentile per-packet one-way delay: 66.763 ms

Loss rate: 4.08%

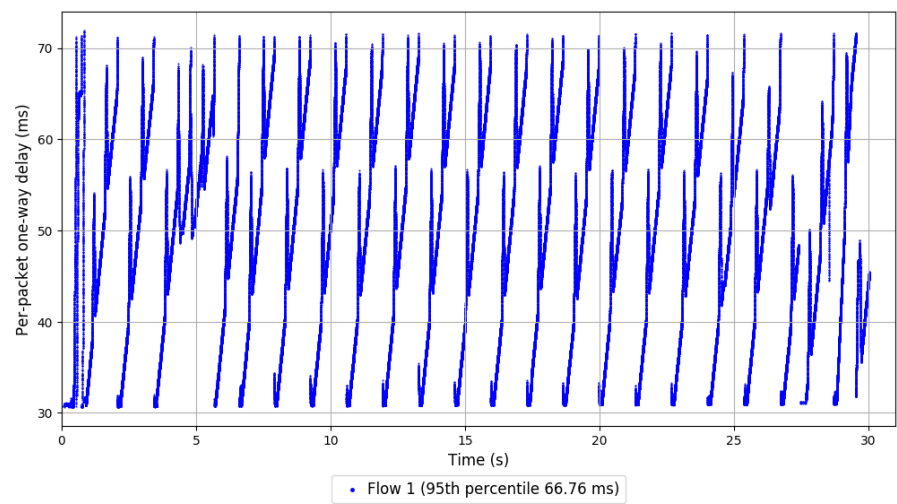
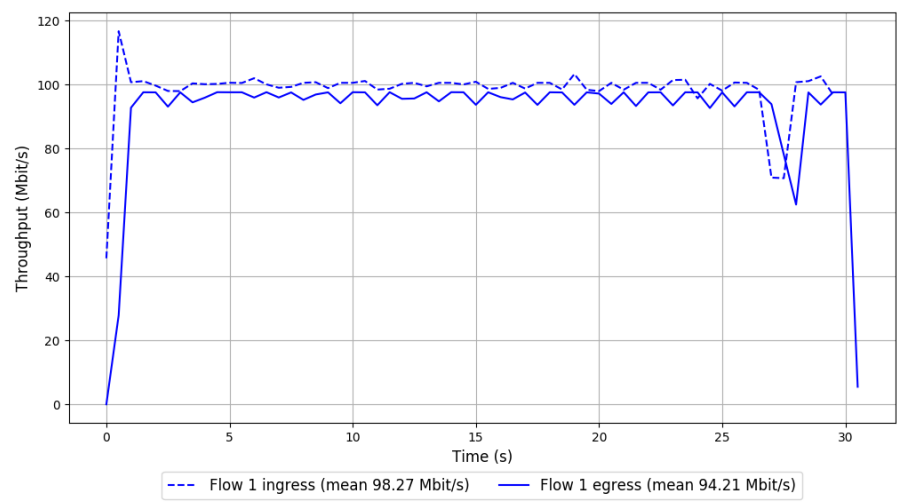
-- Flow 1:

Average throughput: 94.21 Mbit/s

95th percentile per-packet one-way delay: 66.763 ms

Loss rate: 4.08%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-21 22:19:43

End at: 2018-05-21 22:20:13

Local clock offset: -3.015 ms

Remote clock offset: 1.658 ms

Below is generated by plot.py at 2018-05-22 01:11:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.90 Mbit/s

95th percentile per-packet one-way delay: 61.729 ms

Loss rate: 3.78%

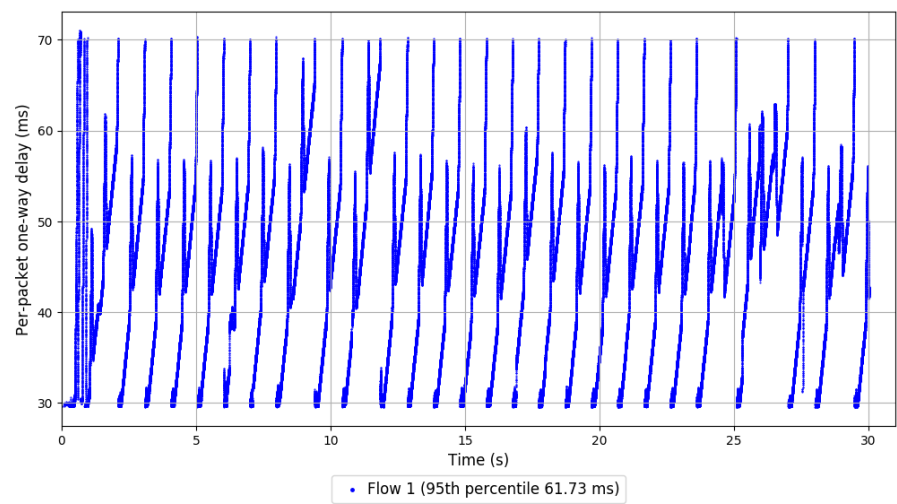
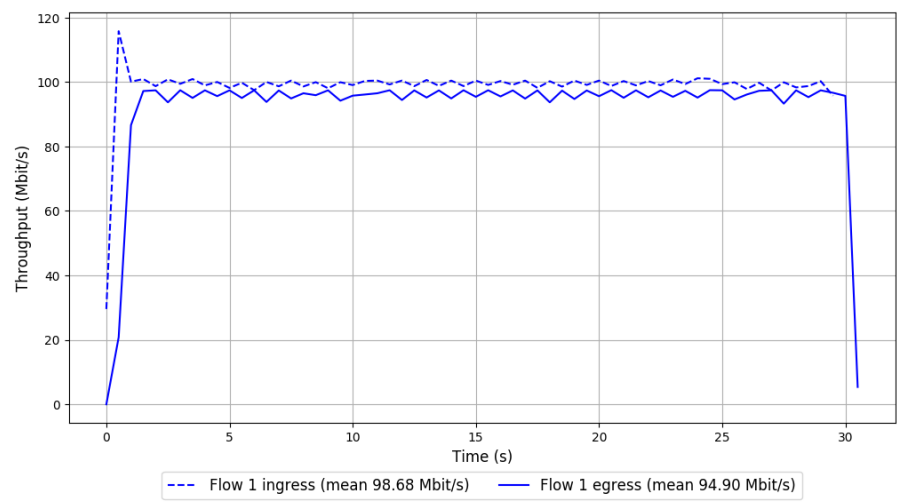
-- Flow 1:

Average throughput: 94.90 Mbit/s

95th percentile per-packet one-way delay: 61.729 ms

Loss rate: 3.78%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-21 22:40:33

End at: 2018-05-21 22:41:03

Local clock offset: -1.157 ms

Remote clock offset: 2.746 ms

Below is generated by plot.py at 2018-05-22 01:11:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 64.836 ms

Loss rate: 4.09%

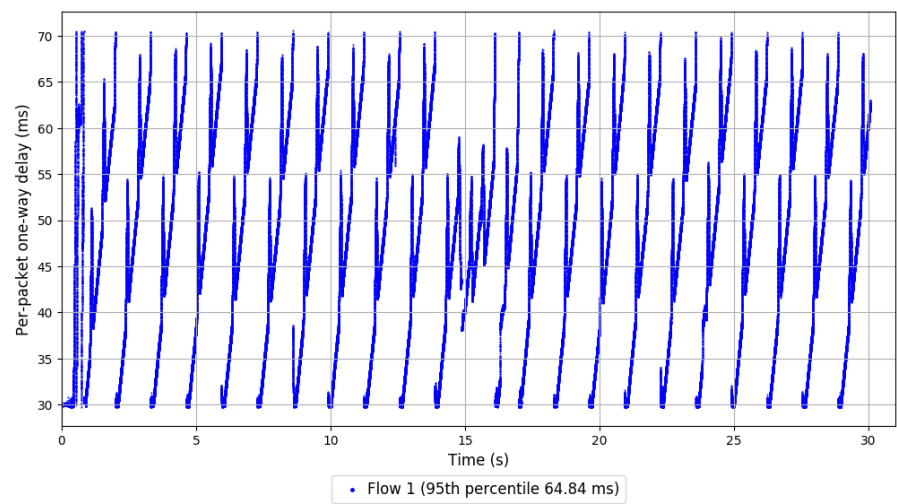
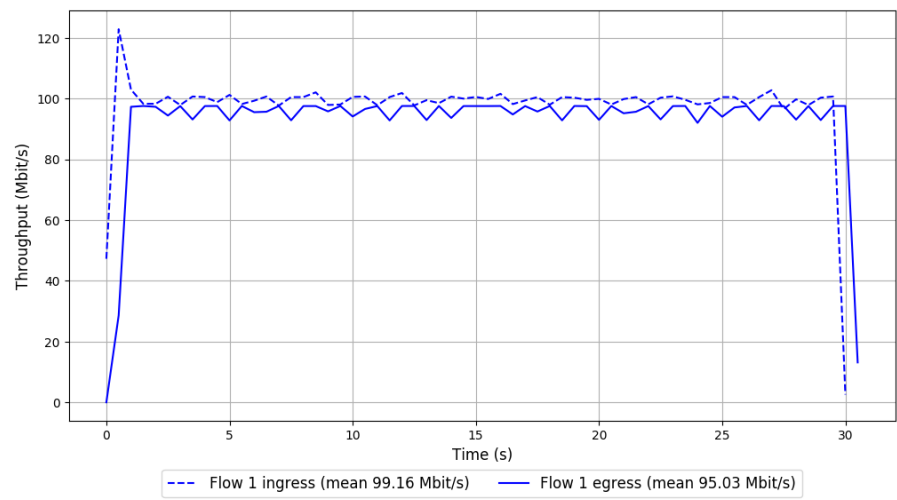
-- Flow 1:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 64.836 ms

Loss rate: 4.09%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-21 23:01:15

End at: 2018-05-21 23:01:45

Local clock offset: -0.94 ms

Remote clock offset: 1.652 ms

Below is generated by plot.py at 2018-05-22 01:11:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.80 Mbit/s

95th percentile per-packet one-way delay: 62.990 ms

Loss rate: 4.33%

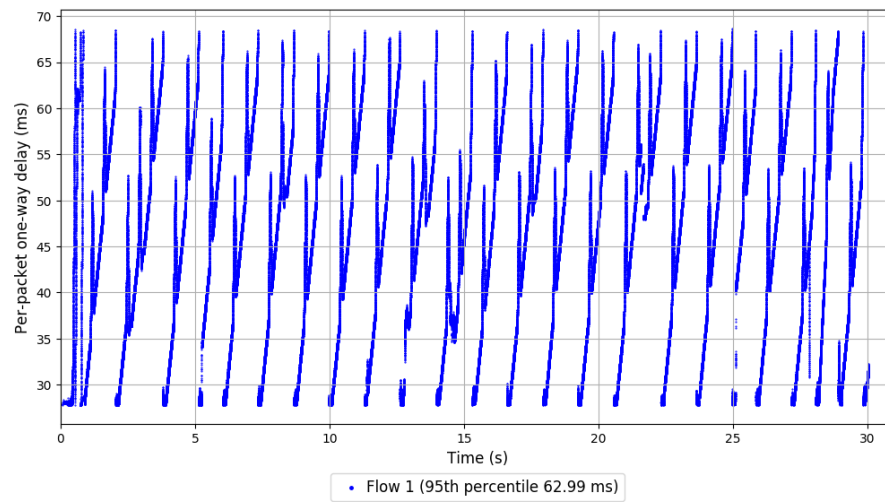
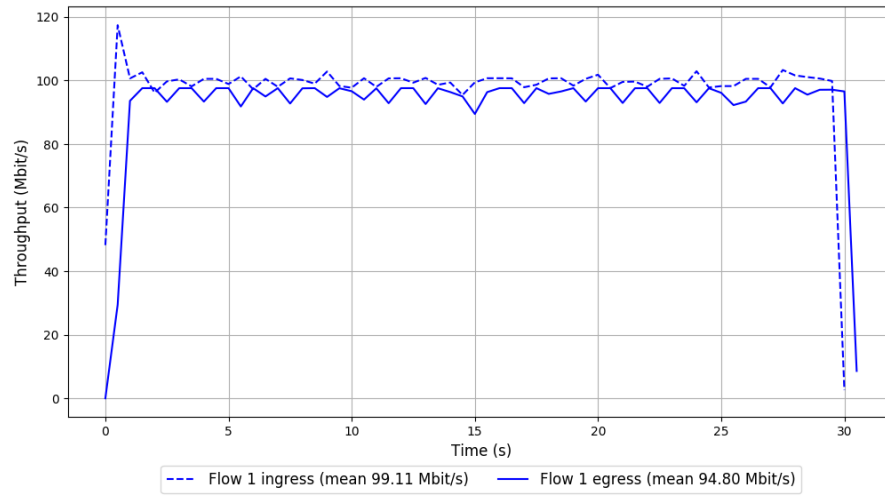
-- Flow 1:

Average throughput: 94.80 Mbit/s

95th percentile per-packet one-way delay: 62.990 ms

Loss rate: 4.33%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-21 23:22:02

End at: 2018-05-21 23:22:32

Local clock offset: -0.67 ms

Remote clock offset: -0.462 ms

Below is generated by plot.py at 2018-05-22 01:11:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 61.274 ms

Loss rate: 3.84%

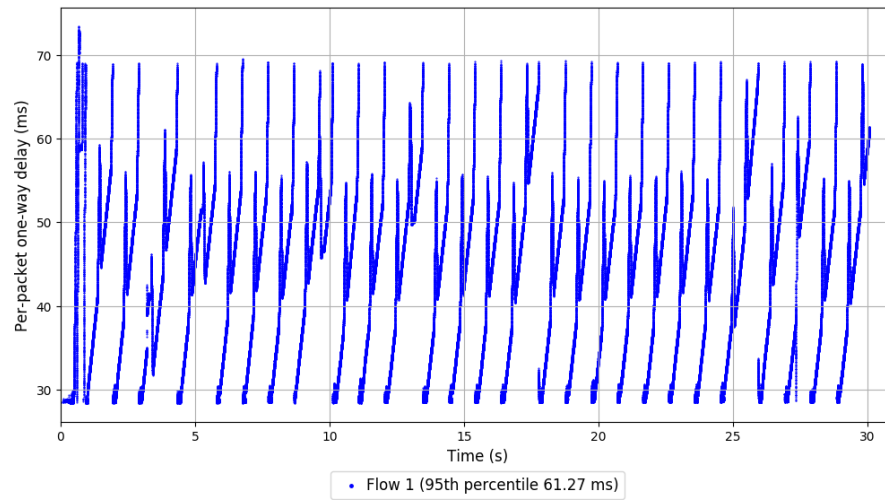
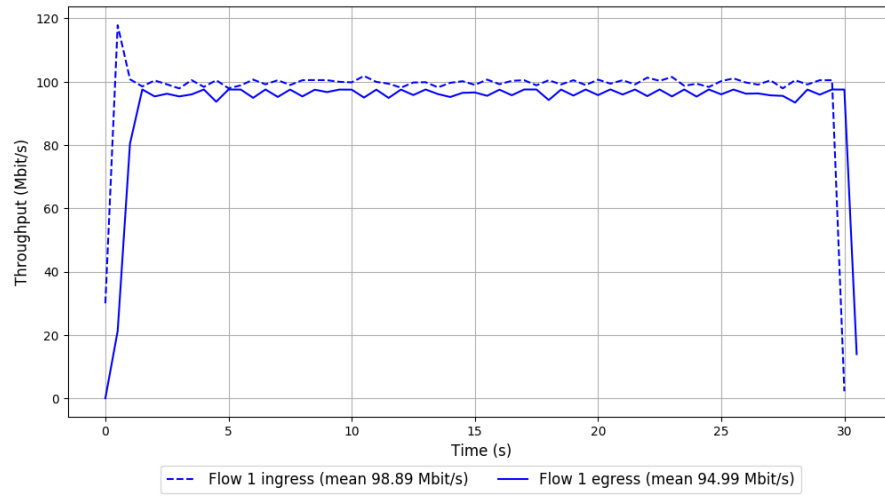
-- Flow 1:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 61.274 ms

Loss rate: 3.84%

Run 5: Report of TCP BBR — Data Link

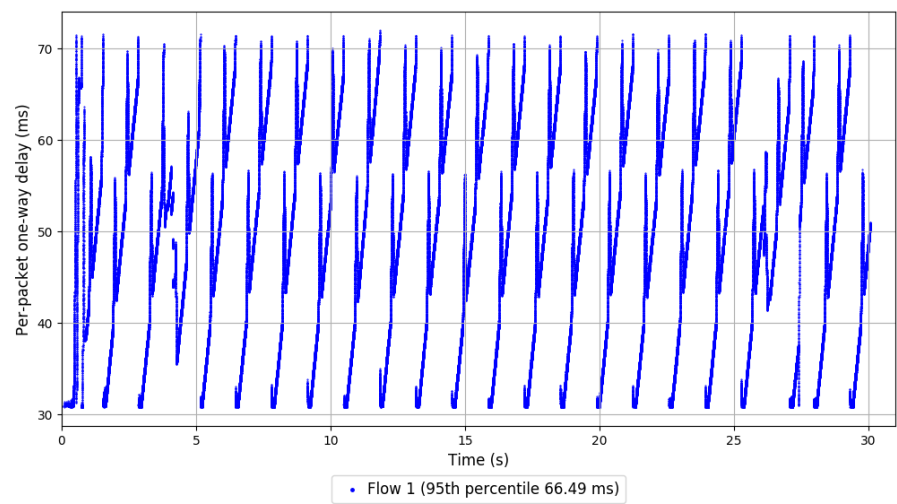
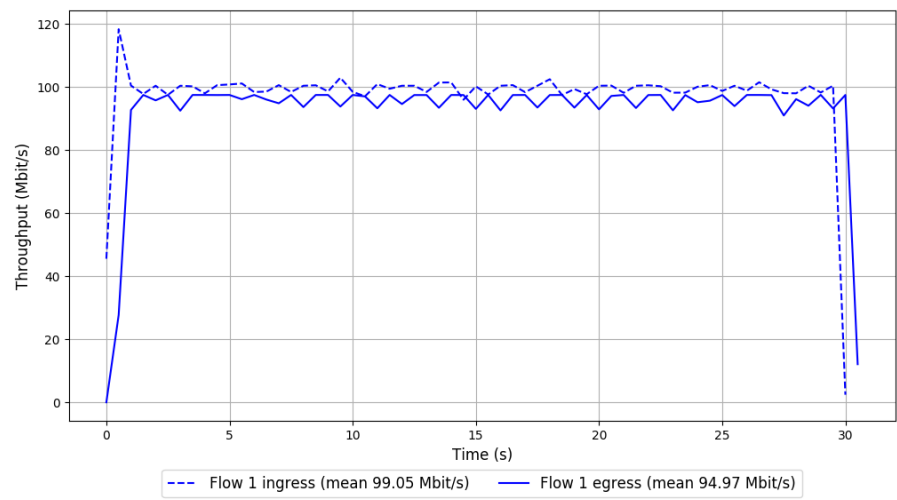


Run 6: Statistics of TCP BBR

Start at: 2018-05-21 23:42:54
End at: 2018-05-21 23:43:24
Local clock offset: -0.008 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-05-22 01:11:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 66.486 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 66.486 ms
Loss rate: 4.06%

Run 6: Report of TCP BBR — Data Link

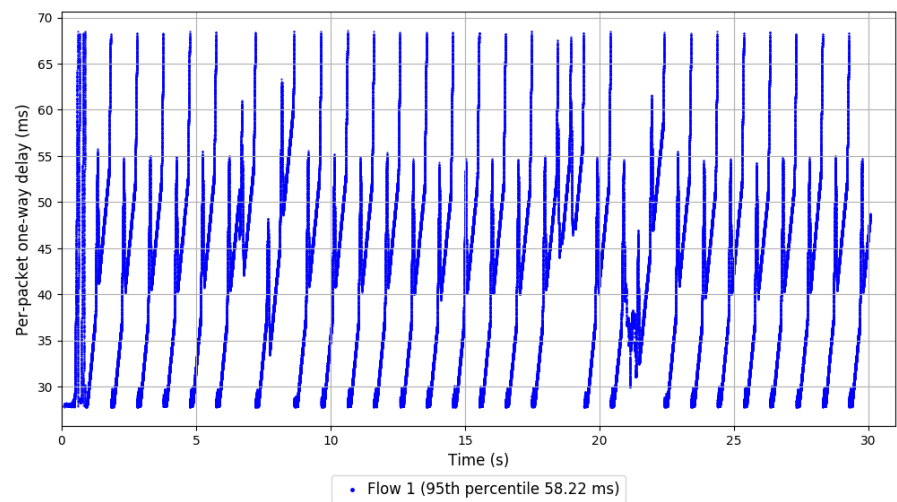
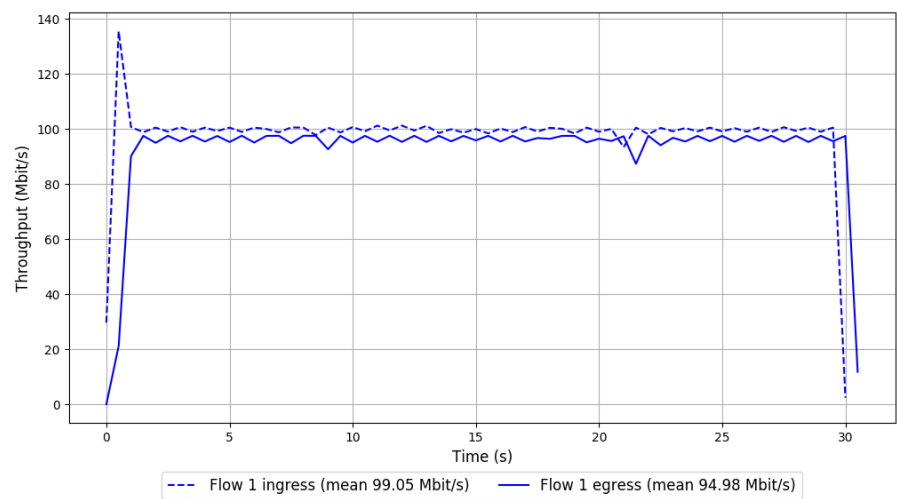


Run 7: Statistics of TCP BBR

Start at: 2018-05-22 00:03:44
End at: 2018-05-22 00:04:14
Local clock offset: -0.016 ms
Remote clock offset: -2.341 ms

Below is generated by plot.py at 2018-05-22 01:11:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 58.215 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 58.215 ms
Loss rate: 4.04%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-22 00:24:28

End at: 2018-05-22 00:24:58

Local clock offset: 0.058 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-05-22 01:11:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.20 Mbit/s

95th percentile per-packet one-way delay: 63.453 ms

Loss rate: 4.09%

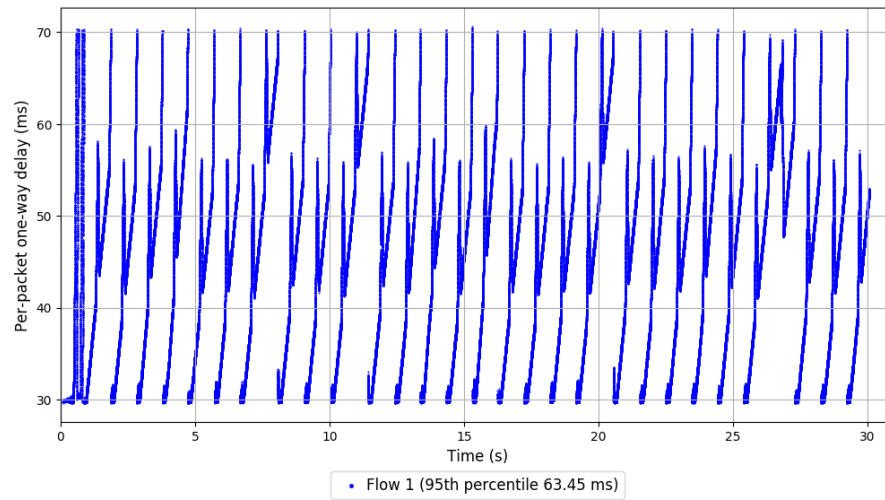
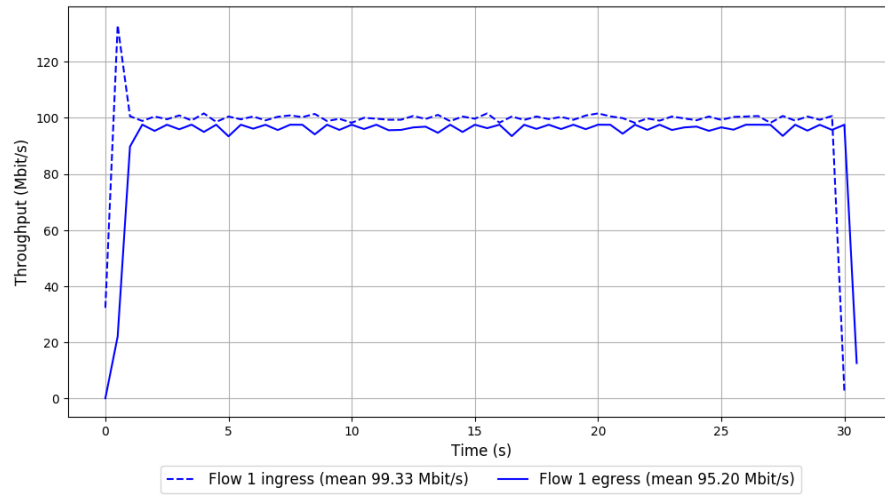
-- Flow 1:

Average throughput: 95.20 Mbit/s

95th percentile per-packet one-way delay: 63.453 ms

Loss rate: 4.09%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-22 00:45:57

End at: 2018-05-22 00:46:27

Local clock offset: 1.657 ms

Remote clock offset: 0.239 ms

Below is generated by plot.py at 2018-05-22 01:12:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 62.939 ms

Loss rate: 4.36%

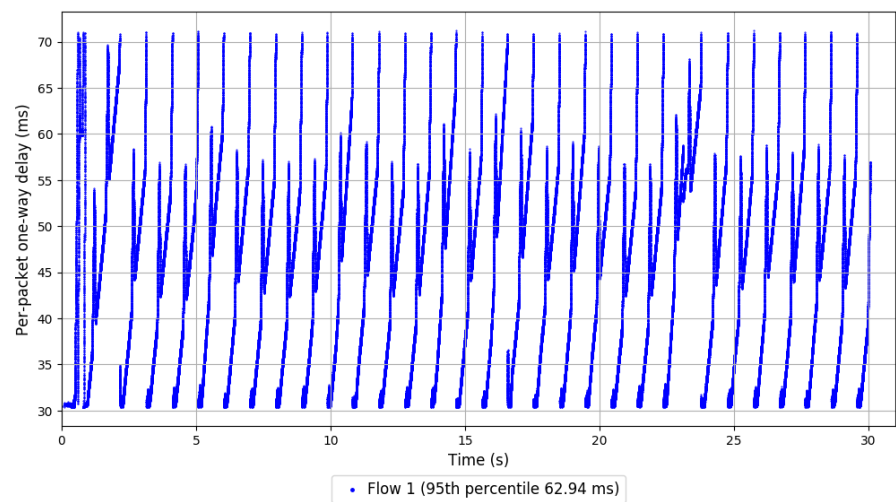
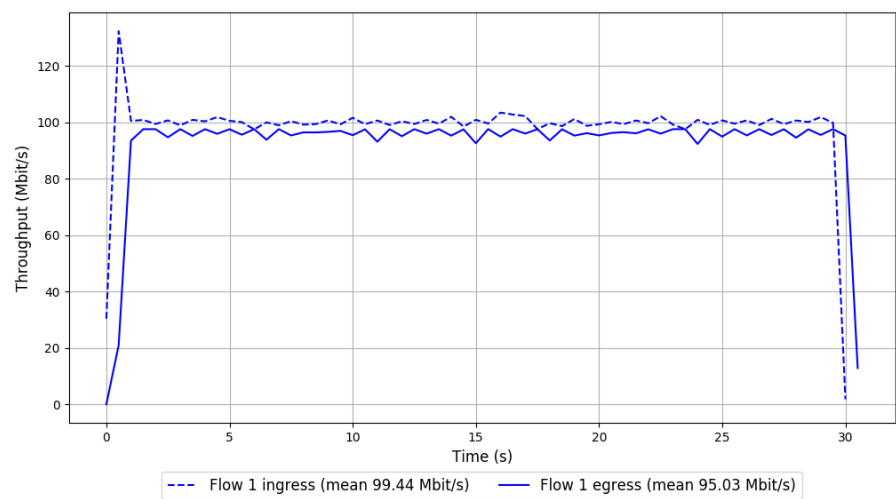
-- Flow 1:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 62.939 ms

Loss rate: 4.36%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-22 01:07:08

End at: 2018-05-22 01:07:38

Local clock offset: 1.247 ms

Remote clock offset: -1.817 ms

Below is generated by plot.py at 2018-05-22 01:12:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.14 Mbit/s

95th percentile per-packet one-way delay: 62.638 ms

Loss rate: 4.06%

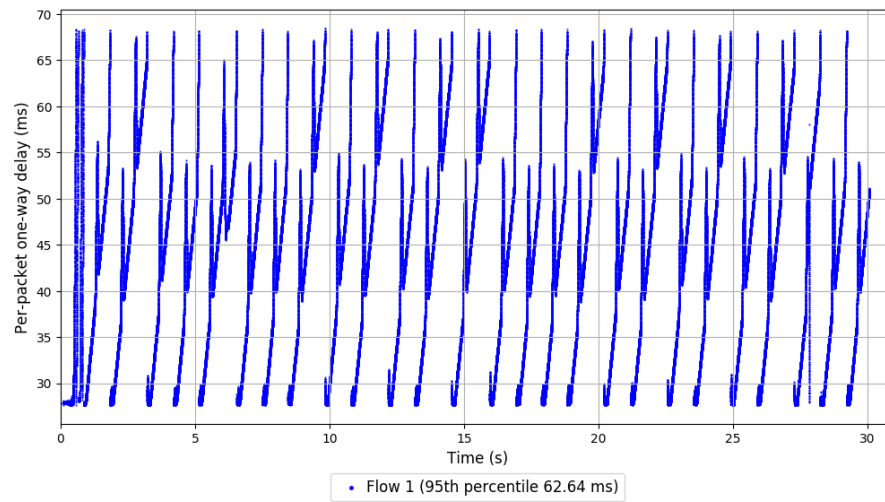
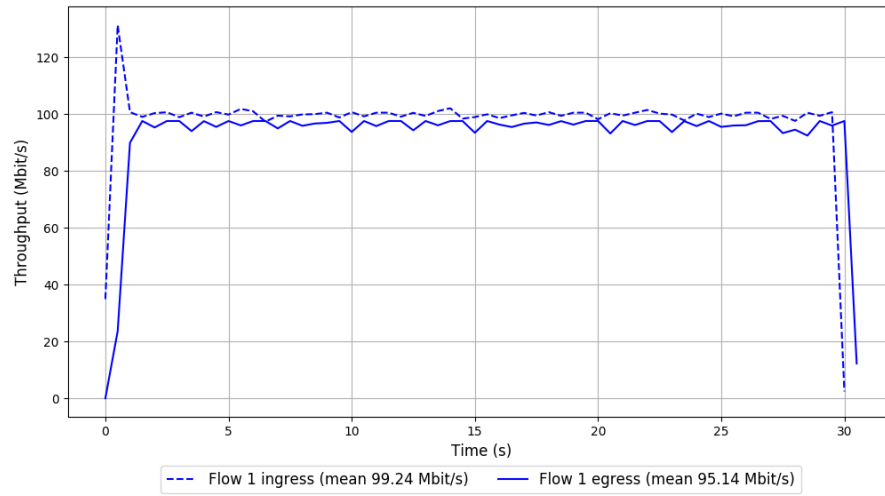
-- Flow 1:

Average throughput: 95.14 Mbit/s

95th percentile per-packet one-way delay: 62.638 ms

Loss rate: 4.06%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-21 21:48:42

End at: 2018-05-21 21:49:12

Local clock offset: -6.613 ms

Remote clock offset: -2.13 ms

Below is generated by plot.py at 2018-05-22 01:13:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 38.616 ms

Loss rate: 0.15%

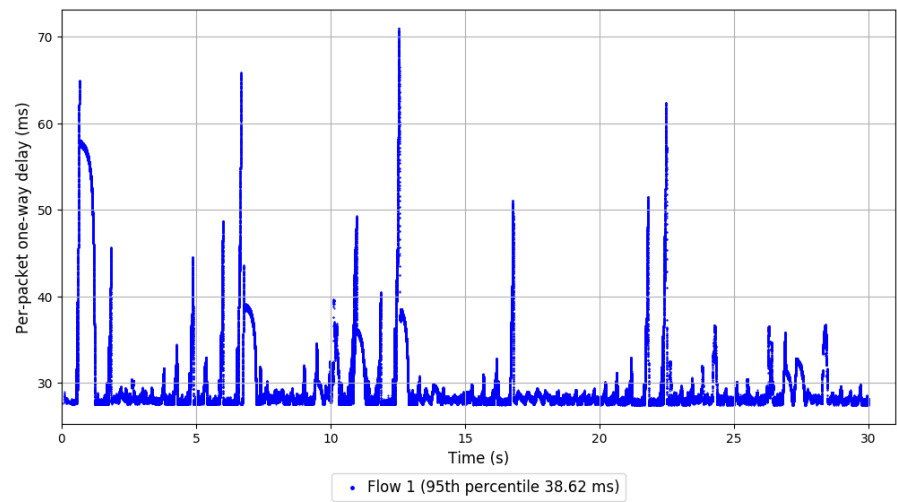
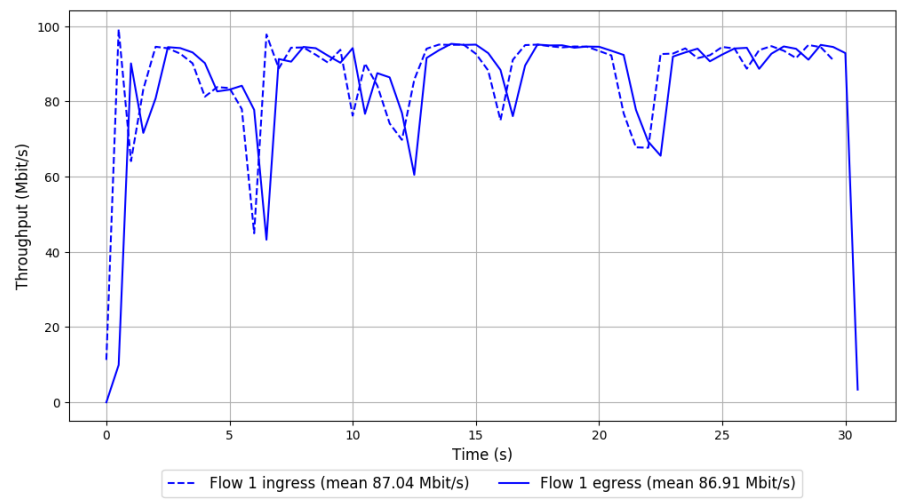
-- Flow 1:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 38.616 ms

Loss rate: 0.15%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-21 22:09:22

End at: 2018-05-21 22:09:52

Local clock offset: -3.114 ms

Remote clock offset: 1.066 ms

Below is generated by plot.py at 2018-05-22 01:13:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.49 Mbit/s

95th percentile per-packet one-way delay: 47.206 ms

Loss rate: 0.62%

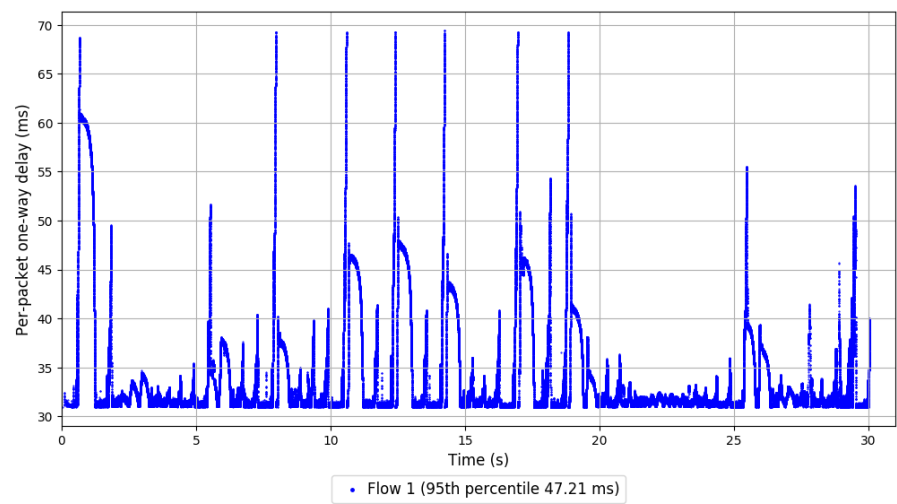
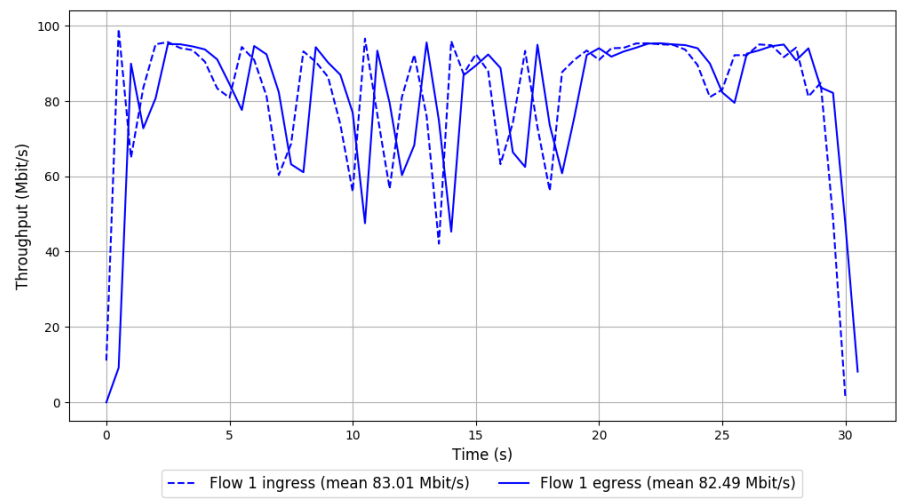
-- Flow 1:

Average throughput: 82.49 Mbit/s

95th percentile per-packet one-way delay: 47.206 ms

Loss rate: 0.62%

Run 2: Report of Copa — Data Link

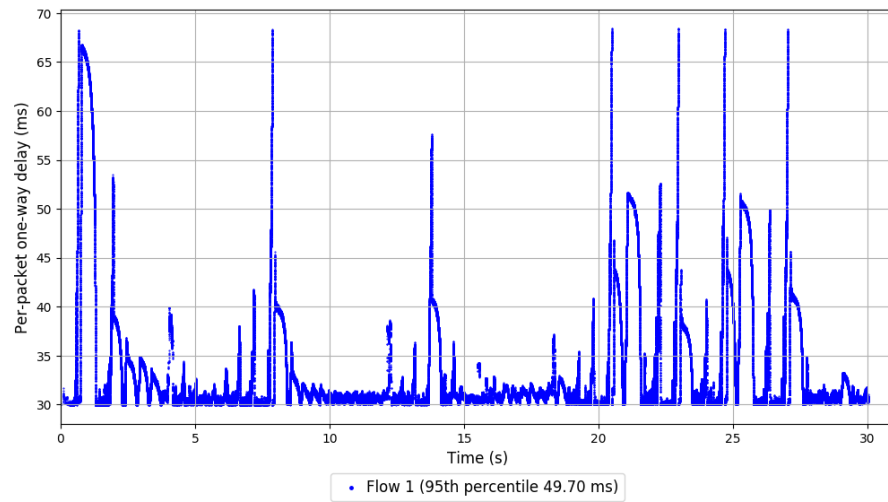
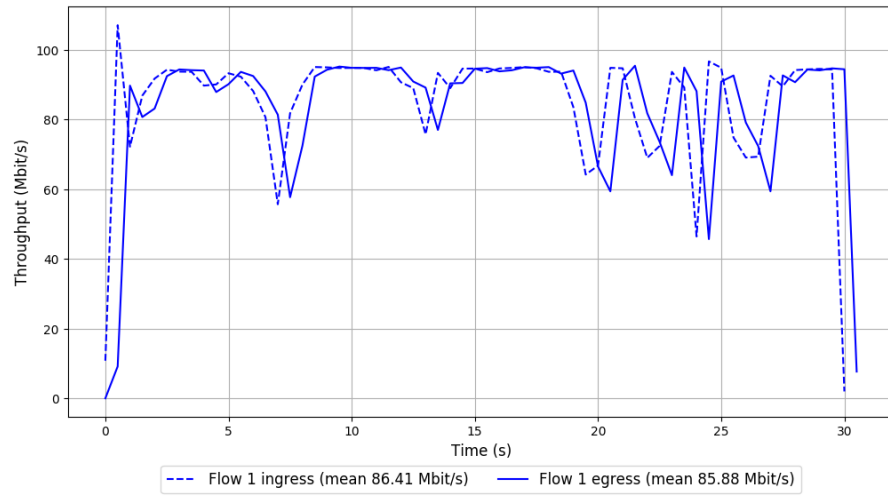


Run 3: Statistics of Copa

Start at: 2018-05-21 22:30:11
End at: 2018-05-21 22:30:41
Local clock offset: -2.612 ms
Remote clock offset: 2.274 ms

Below is generated by plot.py at 2018-05-22 01:13:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.88 Mbit/s
95th percentile per-packet one-way delay: 49.702 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 85.88 Mbit/s
95th percentile per-packet one-way delay: 49.702 ms
Loss rate: 0.61%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-05-21 22:50:55

End at: 2018-05-21 22:51:25

Local clock offset: -1.354 ms

Remote clock offset: 3.214 ms

Below is generated by plot.py at 2018-05-22 01:13:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.78 Mbit/s

95th percentile per-packet one-way delay: 44.725 ms

Loss rate: 0.78%

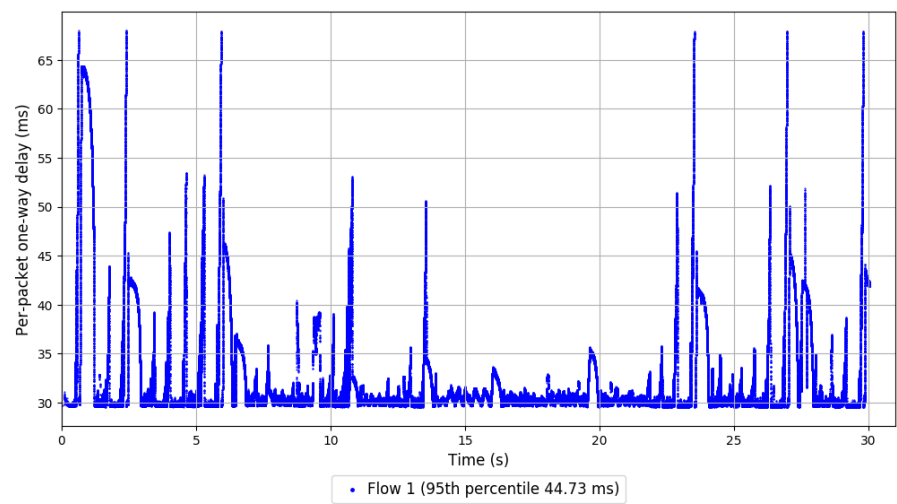
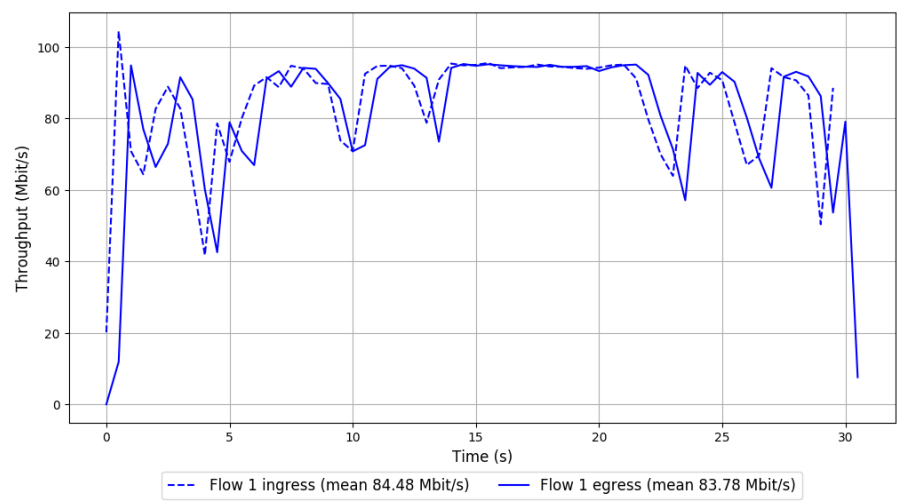
-- Flow 1:

Average throughput: 83.78 Mbit/s

95th percentile per-packet one-way delay: 44.725 ms

Loss rate: 0.78%

Run 4: Report of Copa — Data Link

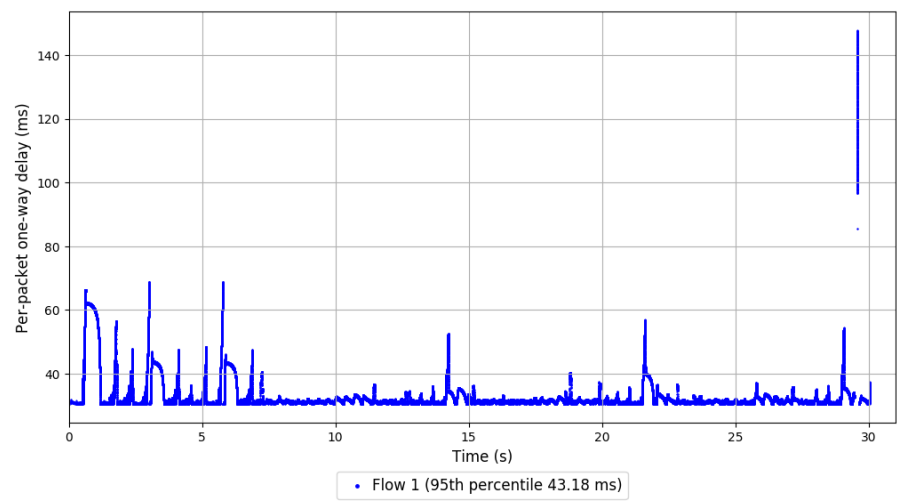
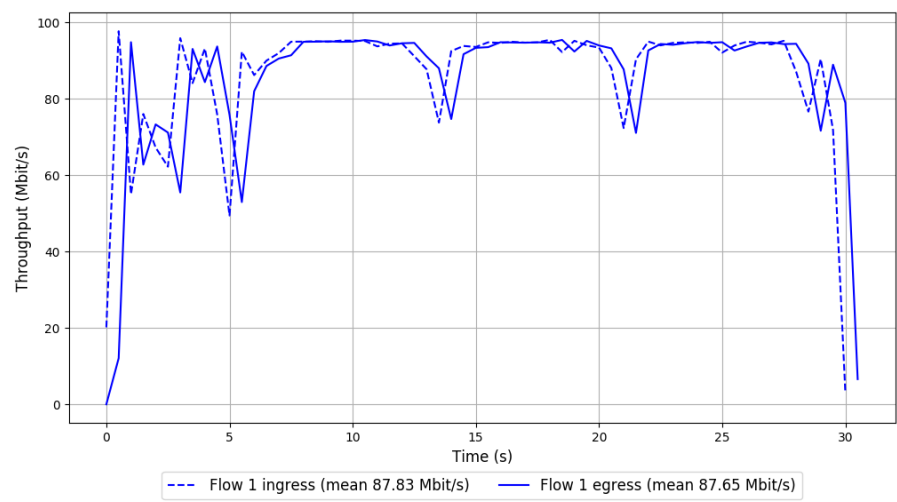


Run 5: Statistics of Copa

Start at: 2018-05-21 23:11:38
End at: 2018-05-21 23:12:08
Local clock offset: -0.345 ms
Remote clock offset: 4.237 ms

Below is generated by plot.py at 2018-05-22 01:13:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 43.182 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 43.182 ms
Loss rate: 0.18%

Run 5: Report of Copa — Data Link

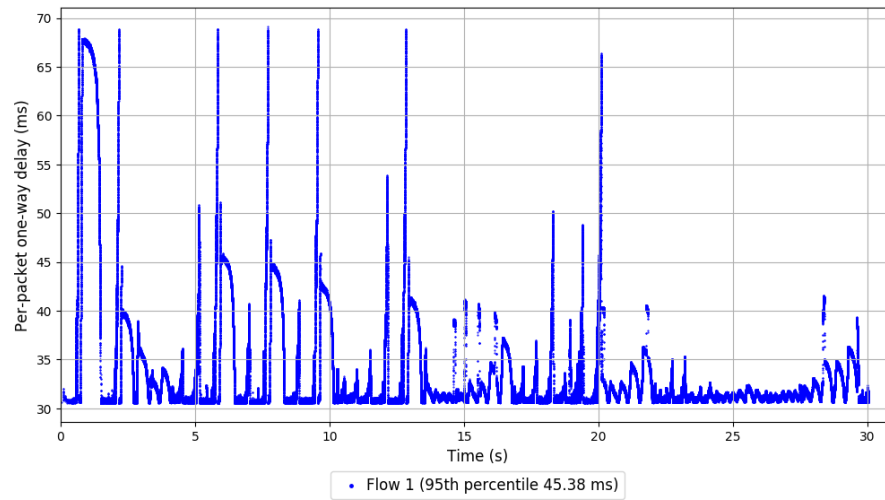
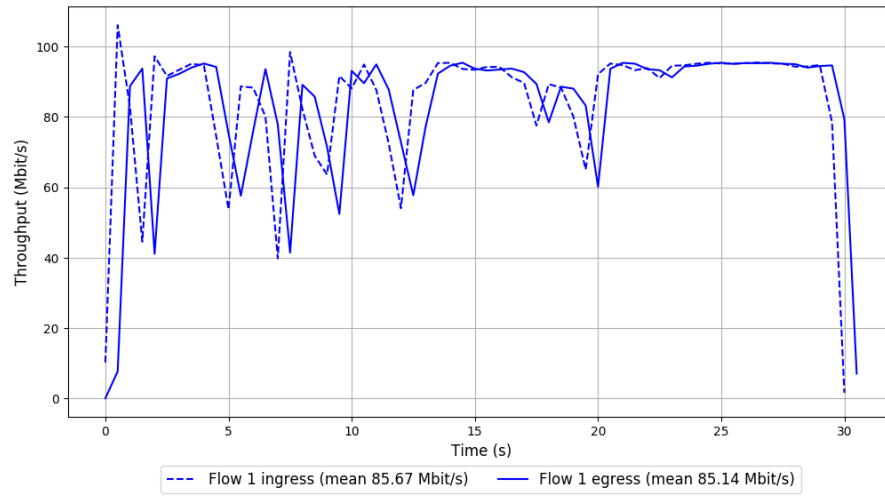


Run 6: Statistics of Copa

Start at: 2018-05-21 23:32:27
End at: 2018-05-21 23:32:57
Local clock offset: -0.261 ms
Remote clock offset: -0.307 ms

Below is generated by plot.py at 2018-05-22 01:13:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.14 Mbit/s
95th percentile per-packet one-way delay: 45.375 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 85.14 Mbit/s
95th percentile per-packet one-way delay: 45.375 ms
Loss rate: 0.62%

Run 6: Report of Copa — Data Link

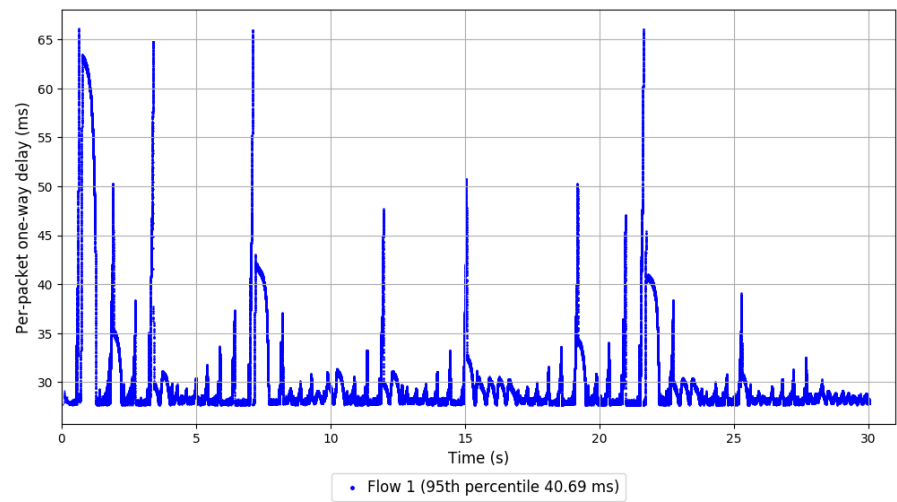
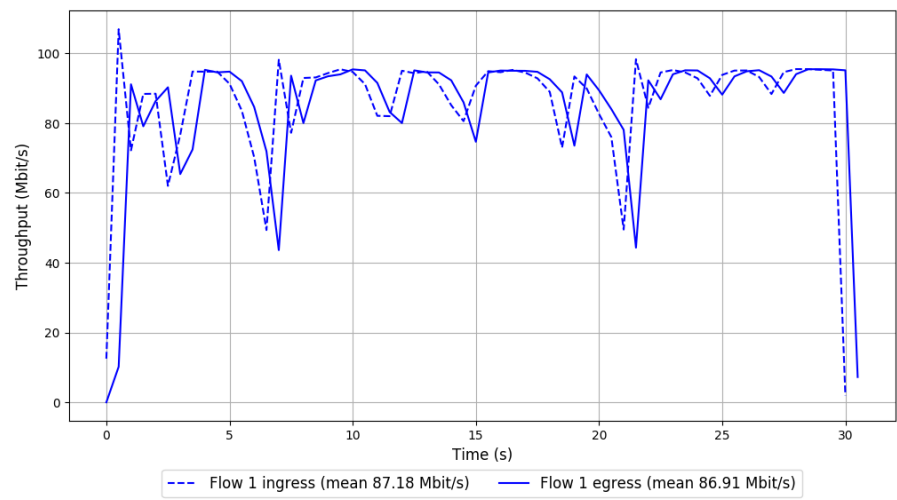


Run 7: Statistics of Copa

Start at: 2018-05-21 23:53:21
End at: 2018-05-21 23:53:51
Local clock offset: -0.434 ms
Remote clock offset: -2.748 ms

Below is generated by plot.py at 2018-05-22 01:14:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.91 Mbit/s
95th percentile per-packet one-way delay: 40.689 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 86.91 Mbit/s
95th percentile per-packet one-way delay: 40.689 ms
Loss rate: 0.32%

Run 7: Report of Copa — Data Link

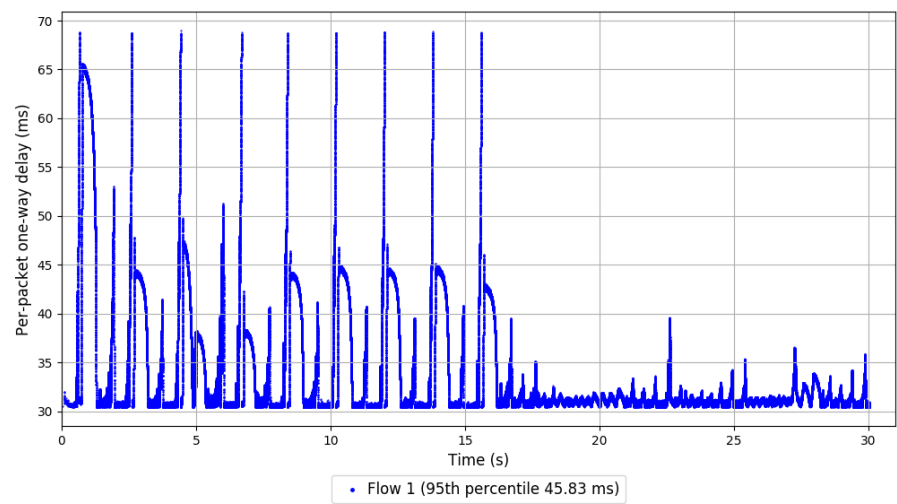
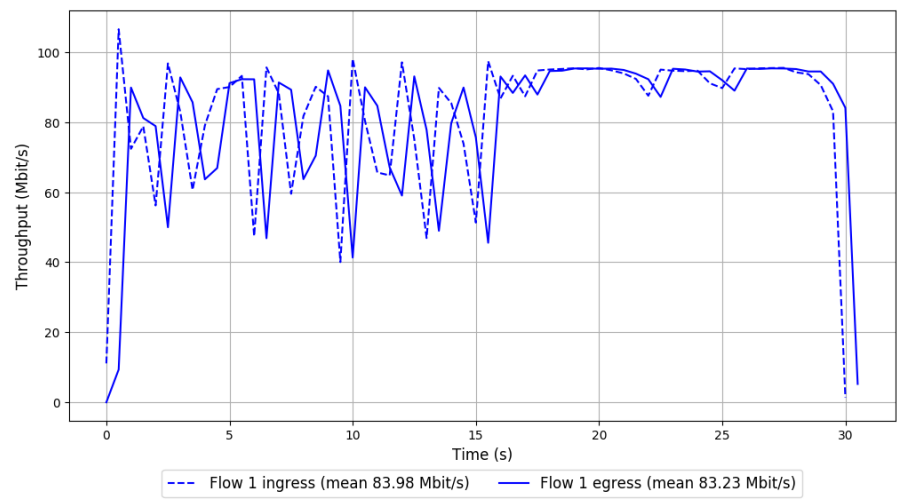


Run 8: Statistics of Copa

Start at: 2018-05-22 00:14:04
End at: 2018-05-22 00:14:34
Local clock offset: 0.139 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-22 01:14:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 45.827 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 45.827 ms
Loss rate: 0.89%

Run 8: Report of Copa — Data Link

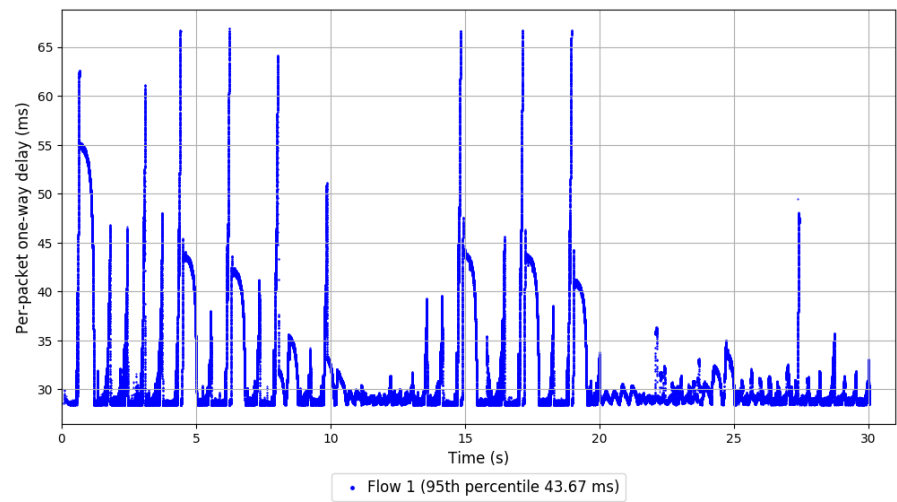
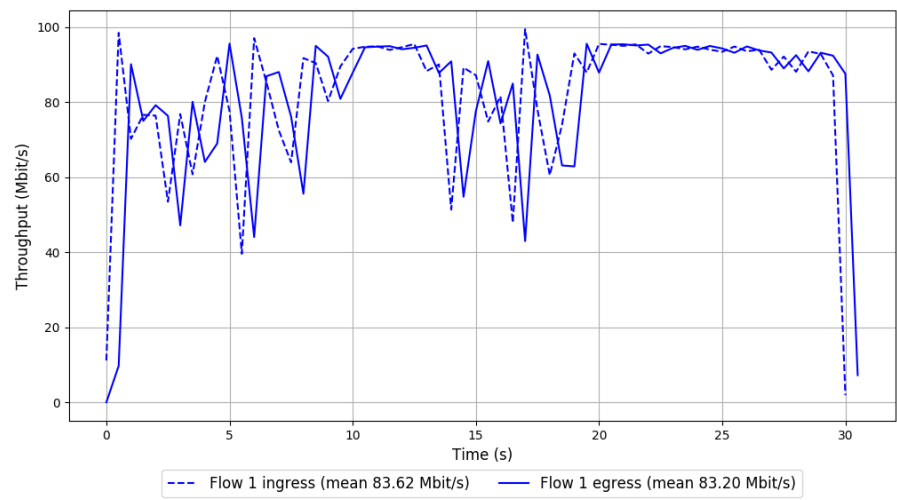


Run 9: Statistics of Copa

Start at: 2018-05-22 00:35:10
End at: 2018-05-22 00:35:41
Local clock offset: 1.059 ms
Remote clock offset: -1.943 ms

Below is generated by plot.py at 2018-05-22 01:15:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.20 Mbit/s
95th percentile per-packet one-way delay: 43.672 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 83.20 Mbit/s
95th percentile per-packet one-way delay: 43.672 ms
Loss rate: 0.50%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-22 00:56:44

End at: 2018-05-22 00:57:14

Local clock offset: 1.738 ms

Remote clock offset: 0.994 ms

Below is generated by plot.py at 2018-05-22 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.74 Mbit/s

95th percentile per-packet one-way delay: 47.090 ms

Loss rate: 0.77%

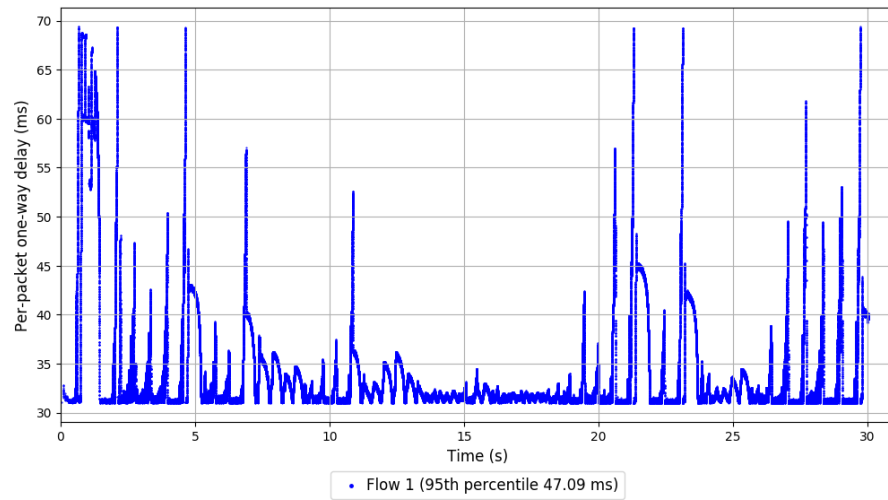
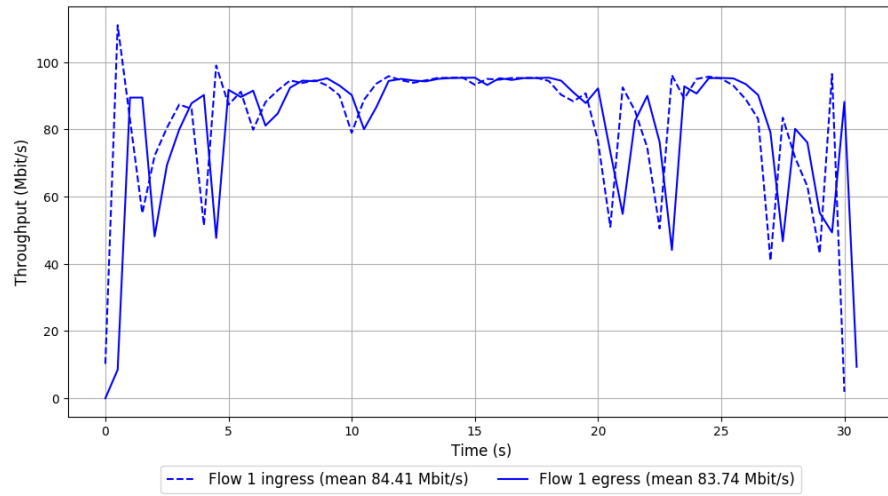
-- Flow 1:

Average throughput: 83.74 Mbit/s

95th percentile per-packet one-way delay: 47.090 ms

Loss rate: 0.77%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-05-21 21:51:18

End at: 2018-05-21 21:51:48

Local clock offset: -7.374 ms

Remote clock offset: 0.388 ms

Below is generated by plot.py at 2018-05-22 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.19 Mbit/s

95th percentile per-packet one-way delay: 44.885 ms

Loss rate: 0.26%

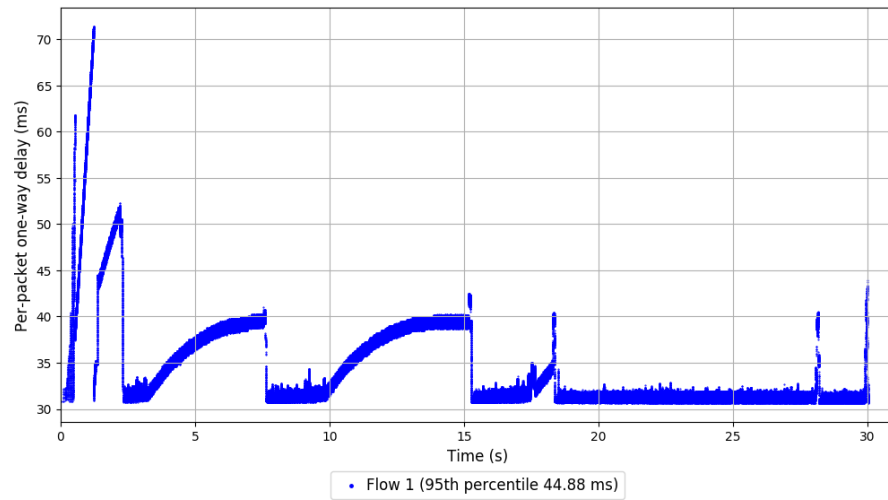
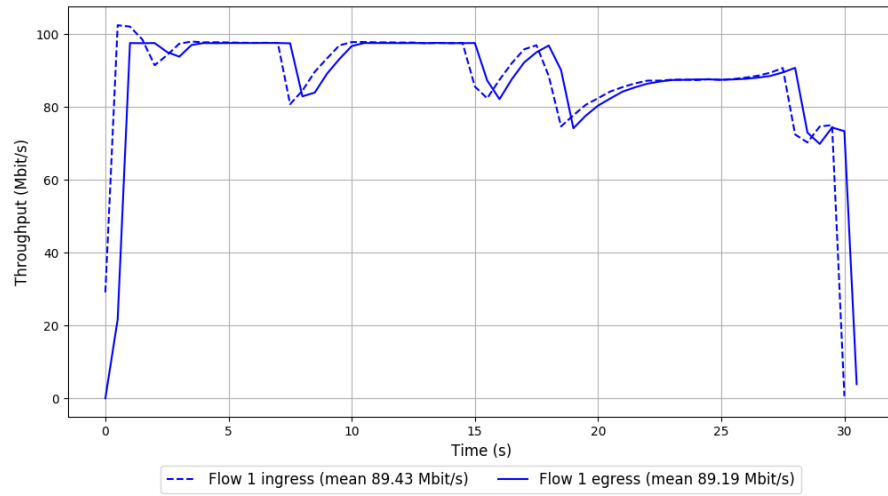
-- Flow 1:

Average throughput: 89.19 Mbit/s

95th percentile per-packet one-way delay: 44.885 ms

Loss rate: 0.26%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-05-21 22:11:58

End at: 2018-05-21 22:12:28

Local clock offset: -2.805 ms

Remote clock offset: 1.395 ms

Below is generated by plot.py at 2018-05-22 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.52 Mbit/s

95th percentile per-packet one-way delay: 62.548 ms

Loss rate: 0.36%

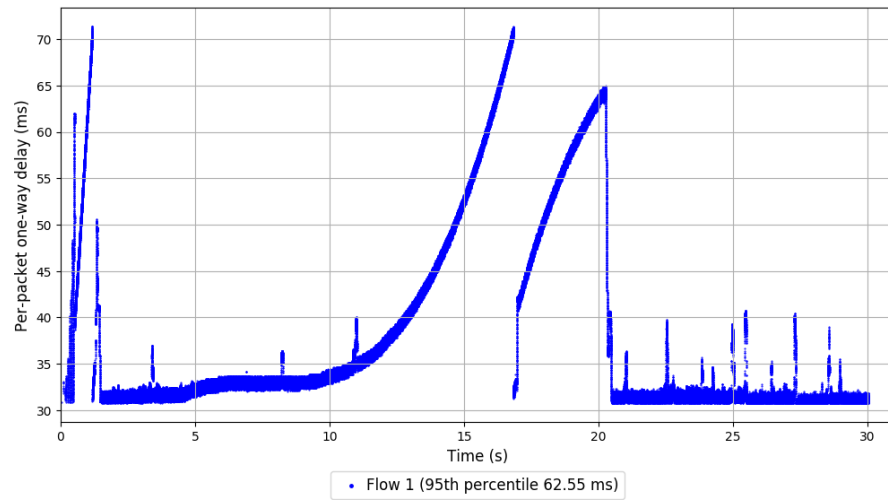
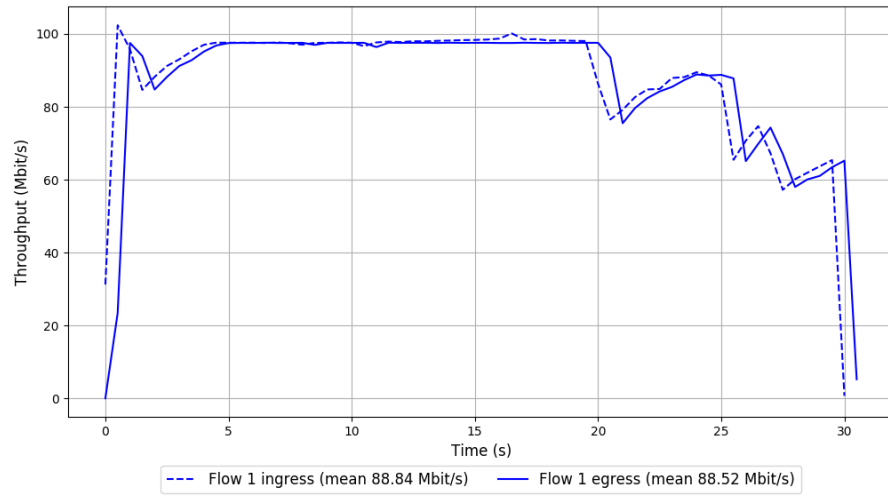
-- Flow 1:

Average throughput: 88.52 Mbit/s

95th percentile per-packet one-way delay: 62.548 ms

Loss rate: 0.36%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-21 22:32:48

End at: 2018-05-21 22:33:18

Local clock offset: -1.92 ms

Remote clock offset: 2.388 ms

Below is generated by plot.py at 2018-05-22 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.17 Mbit/s

95th percentile per-packet one-way delay: 63.614 ms

Loss rate: 0.29%

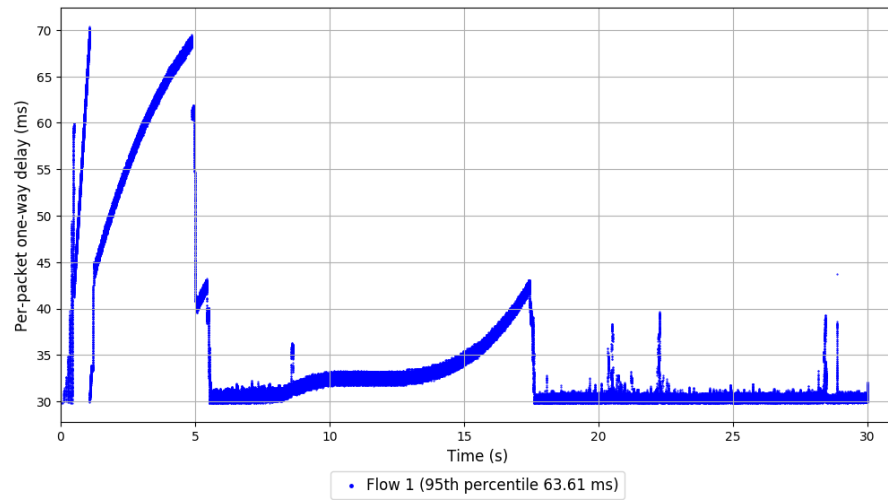
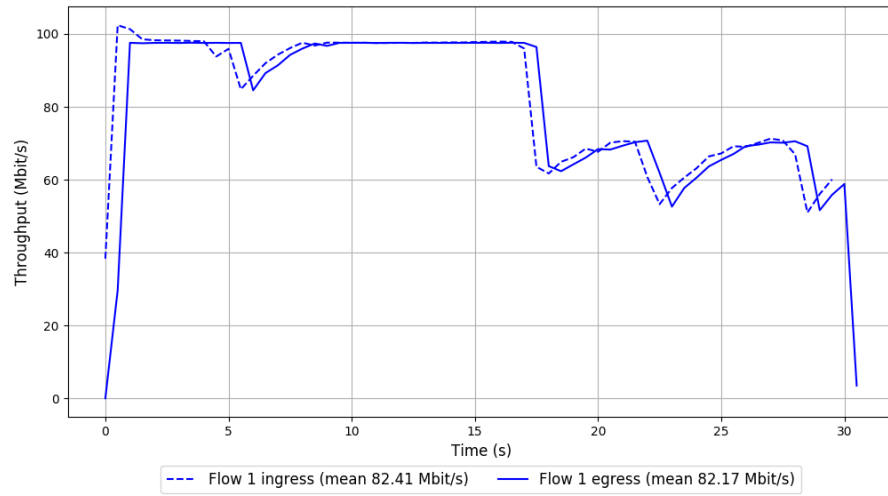
-- Flow 1:

Average throughput: 82.17 Mbit/s

95th percentile per-packet one-way delay: 63.614 ms

Loss rate: 0.29%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-21 22:53:31

End at: 2018-05-21 22:54:01

Local clock offset: -1.51 ms

Remote clock offset: 1.35 ms

Below is generated by plot.py at 2018-05-22 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.77 Mbit/s

95th percentile per-packet one-way delay: 62.607 ms

Loss rate: 0.40%

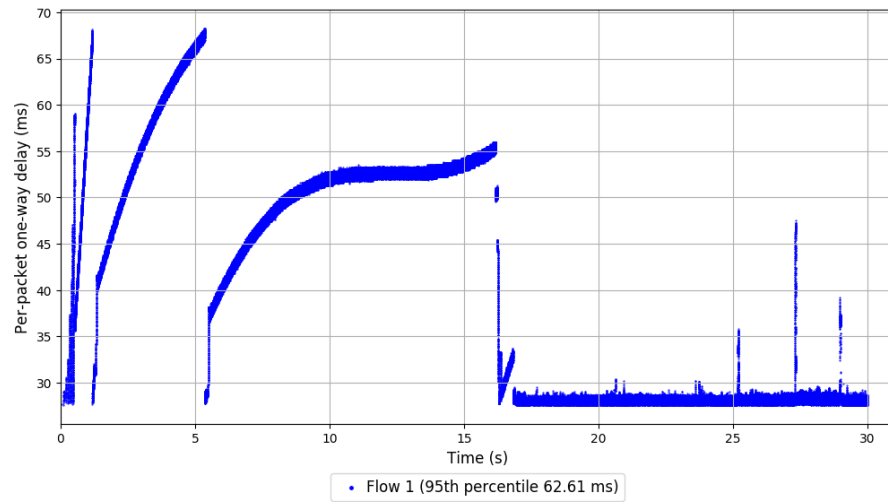
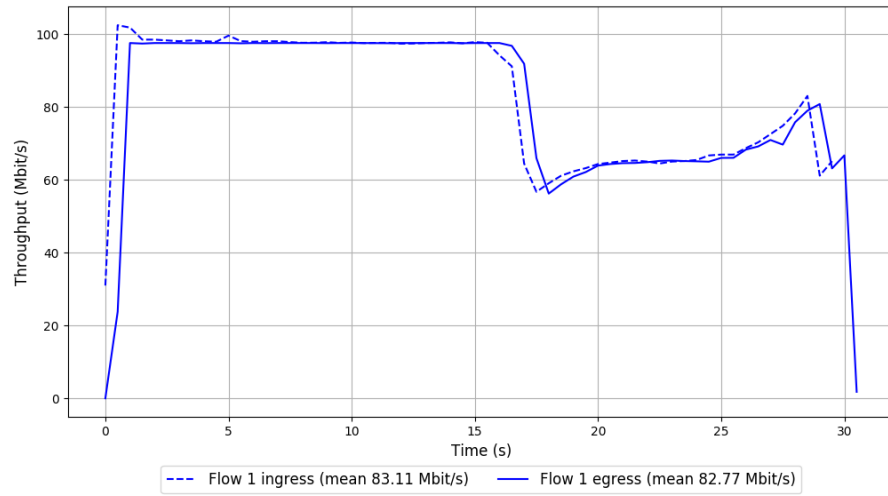
-- Flow 1:

Average throughput: 82.77 Mbit/s

95th percentile per-packet one-way delay: 62.607 ms

Loss rate: 0.40%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-21 23:14:15

End at: 2018-05-21 23:14:45

Local clock offset: -0.397 ms

Remote clock offset: 2.258 ms

Below is generated by plot.py at 2018-05-22 01:15:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.44 Mbit/s

95th percentile per-packet one-way delay: 62.987 ms

Loss rate: 0.18%

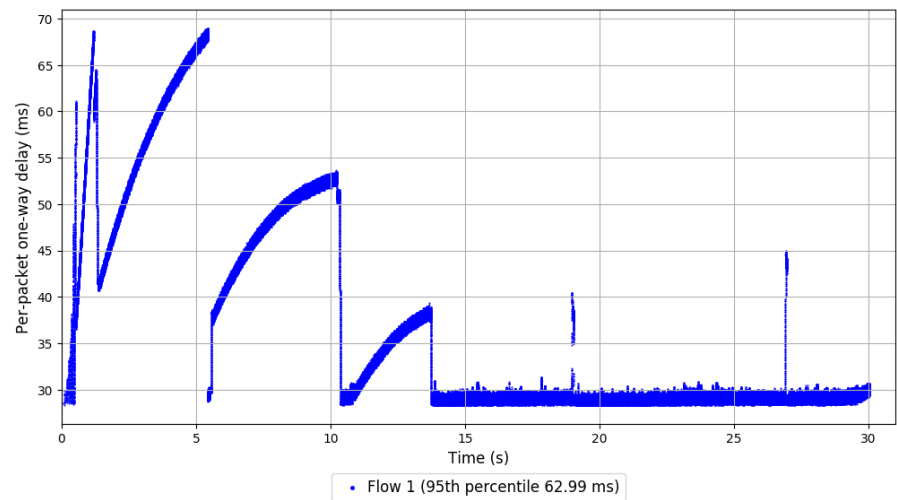
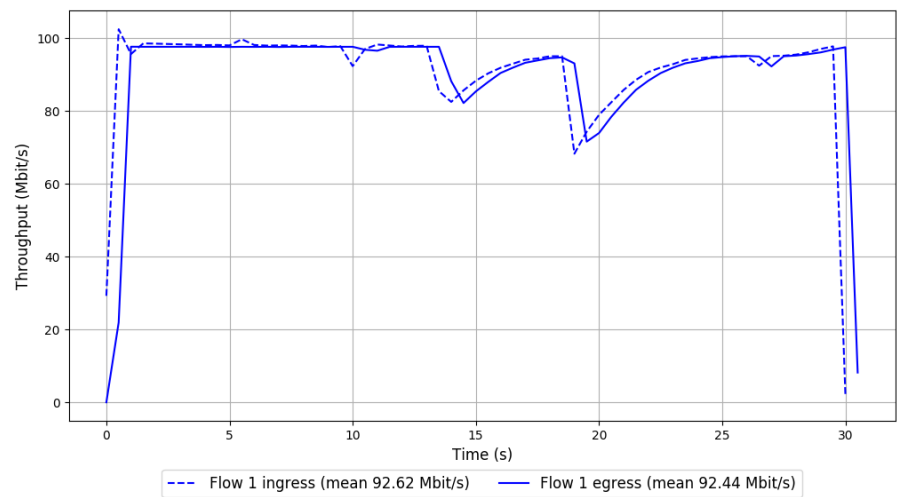
-- Flow 1:

Average throughput: 92.44 Mbit/s

95th percentile per-packet one-way delay: 62.987 ms

Loss rate: 0.18%

Run 5: Report of TCP Cubic — Data Link

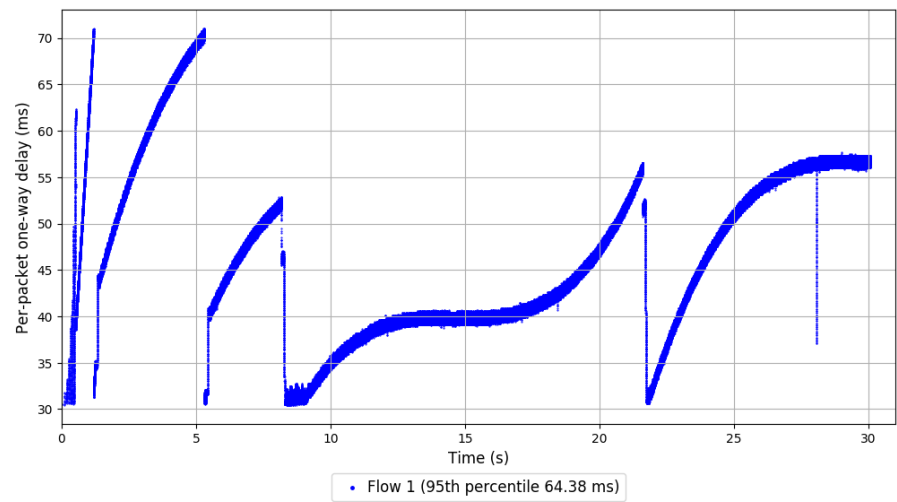
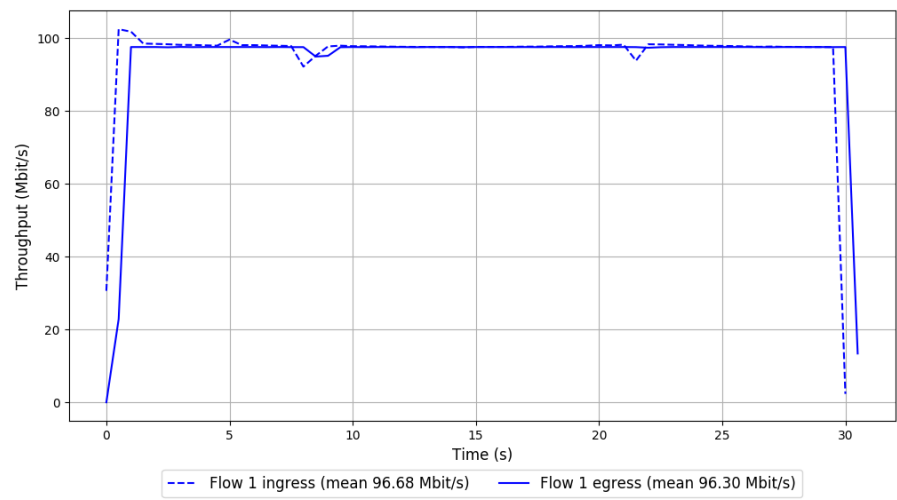


Run 6: Statistics of TCP Cubic

Start at: 2018-05-21 23:35:05
End at: 2018-05-21 23:35:35
Local clock offset: -0.037 ms
Remote clock offset: -0.511 ms

Below is generated by plot.py at 2018-05-22 01:15:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 64.375 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 64.375 ms
Loss rate: 0.30%

Run 6: Report of TCP Cubic — Data Link

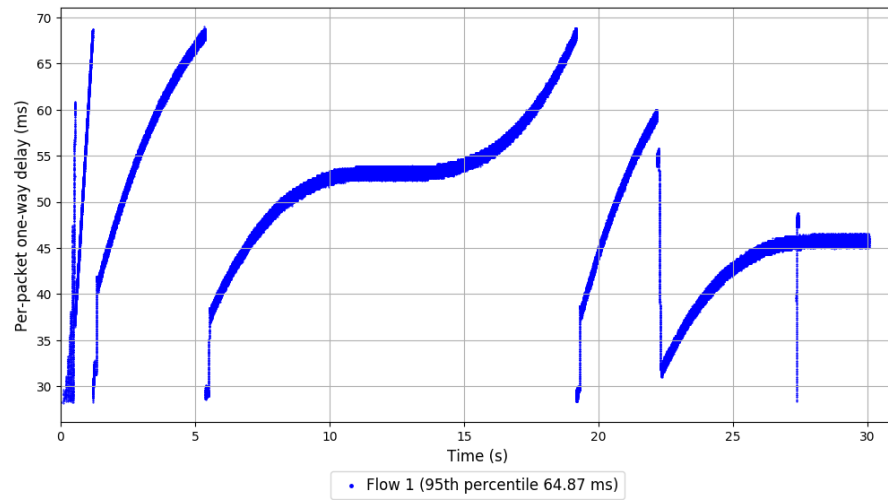
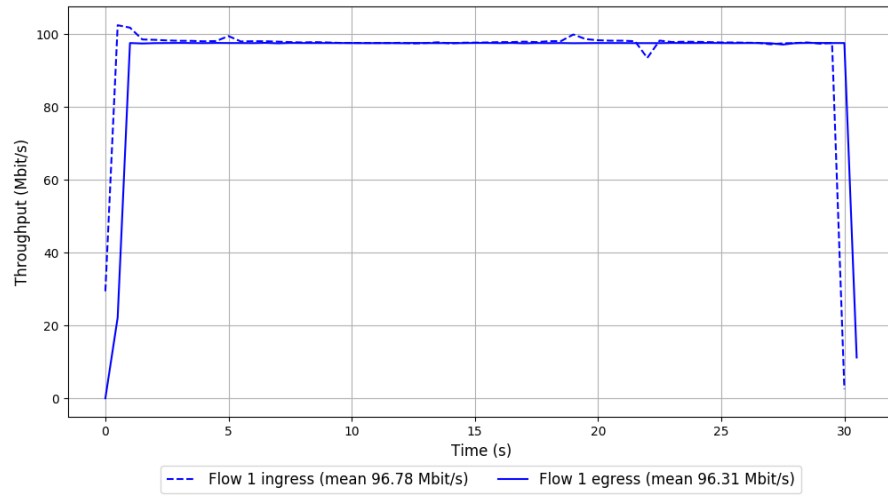


Run 7: Statistics of TCP Cubic

Start at: 2018-05-21 23:55:58
End at: 2018-05-21 23:56:28
Local clock offset: -0.457 ms
Remote clock offset: -2.697 ms

Below is generated by plot.py at 2018-05-22 01:15:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 64.872 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 64.872 ms
Loss rate: 0.43%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-05-22 00:16:40

End at: 2018-05-22 00:17:10

Local clock offset: 0.2 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-05-22 01:15:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.49 Mbit/s

95th percentile per-packet one-way delay: 63.014 ms

Loss rate: 0.19%

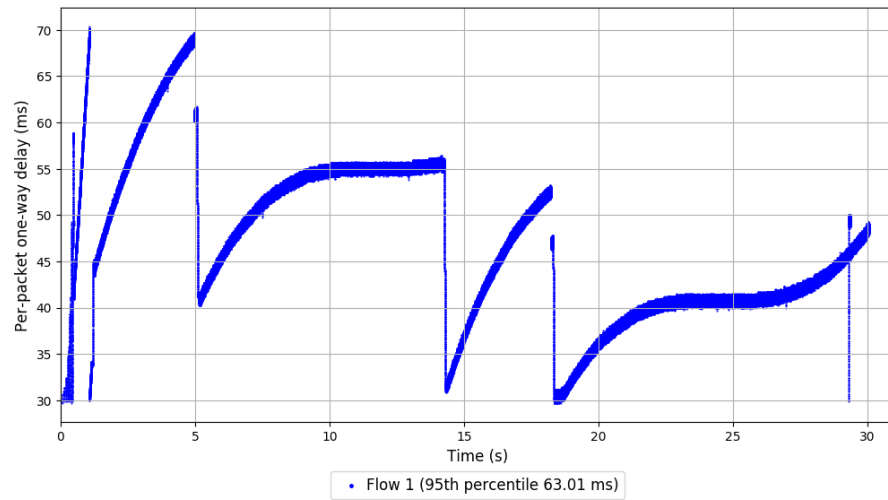
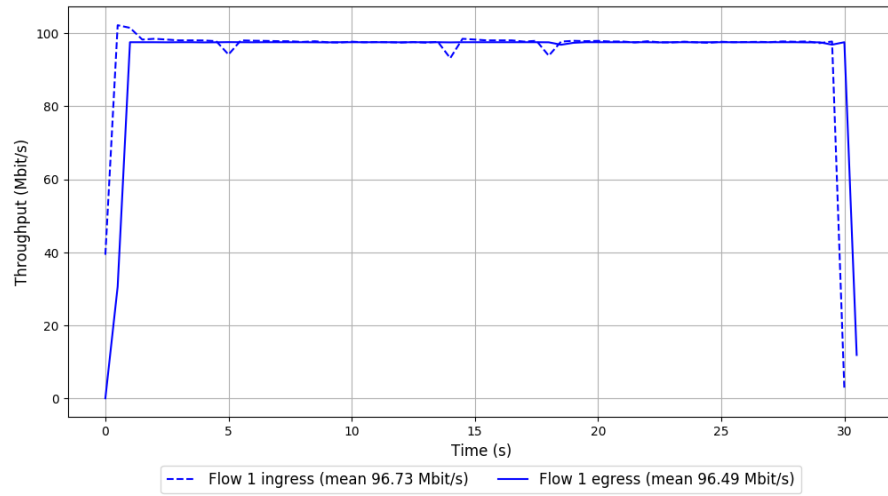
-- Flow 1:

Average throughput: 96.49 Mbit/s

95th percentile per-packet one-way delay: 63.014 ms

Loss rate: 0.19%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-22 00:37:55

End at: 2018-05-22 00:38:25

Local clock offset: 1.32 ms

Remote clock offset: -1.93 ms

Below is generated by plot.py at 2018-05-22 01:15:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.64 Mbit/s

95th percentile per-packet one-way delay: 63.074 ms

Loss rate: 0.46%

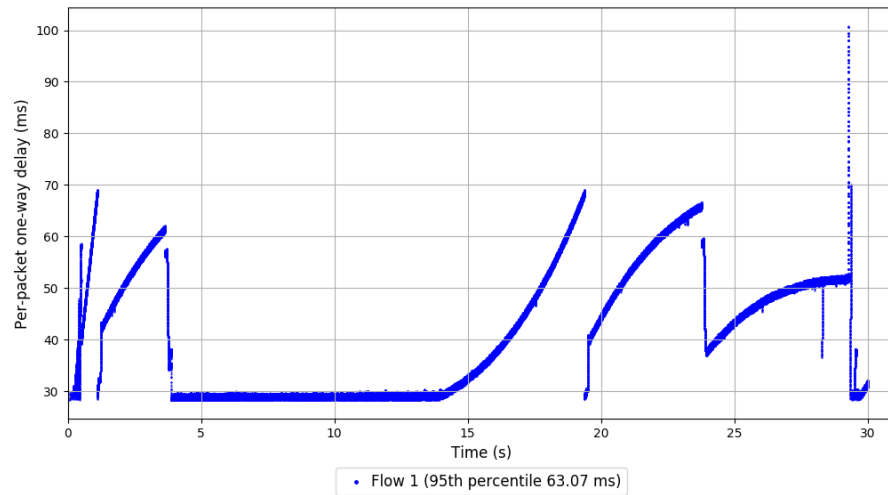
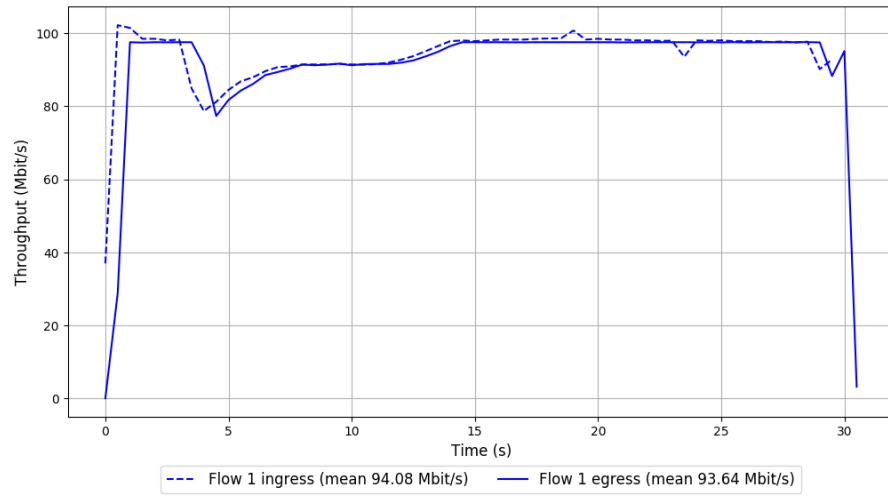
-- Flow 1:

Average throughput: 93.64 Mbit/s

95th percentile per-packet one-way delay: 63.074 ms

Loss rate: 0.46%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-22 00:59:21

End at: 2018-05-22 00:59:52

Local clock offset: 1.626 ms

Remote clock offset: -1.753 ms

Below is generated by plot.py at 2018-05-22 01:15:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 66.281 ms

Loss rate: 0.55%

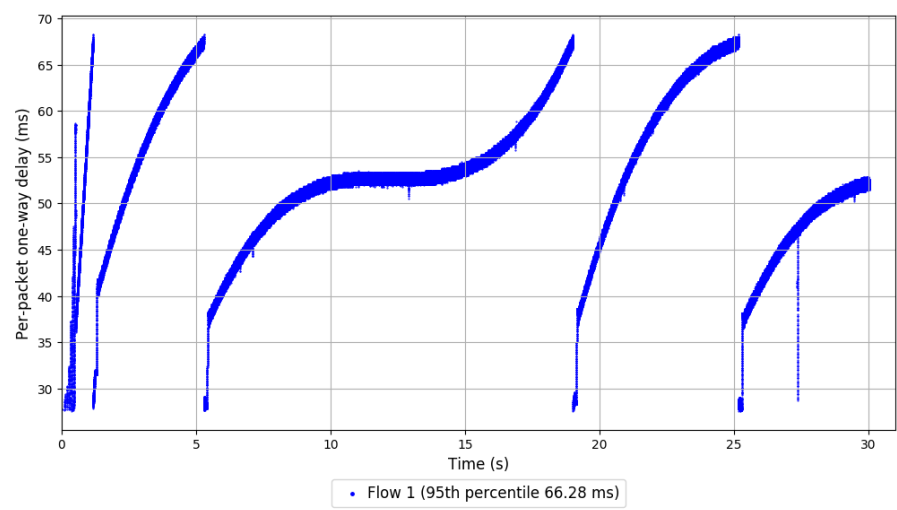
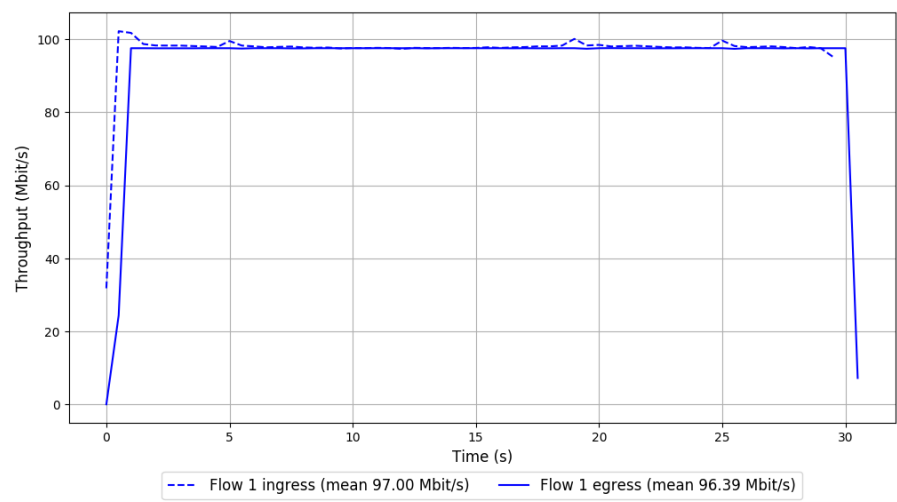
-- Flow 1:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 66.281 ms

Loss rate: 0.55%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-21 22:00:21

End at: 2018-05-21 22:00:51

Local clock offset: -5.934 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2018-05-22 01:16:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.25 Mbit/s

95th percentile per-packet one-way delay: 67.021 ms

Loss rate: 4.15%

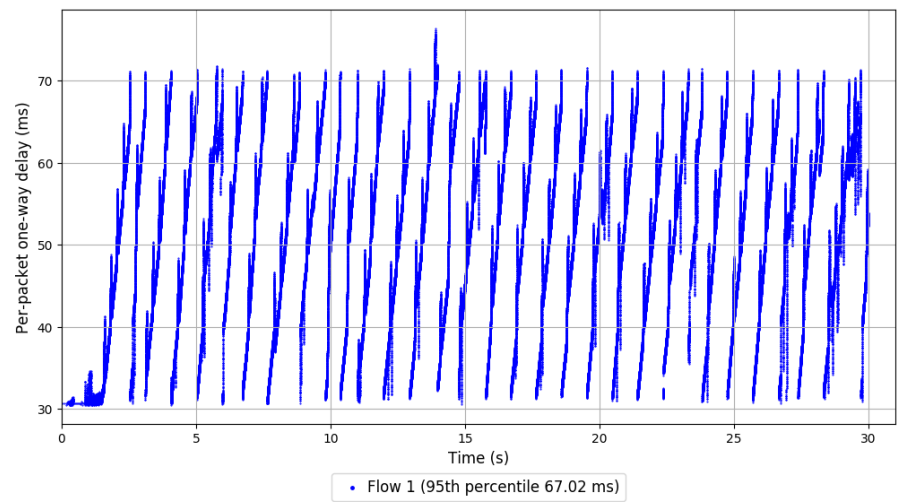
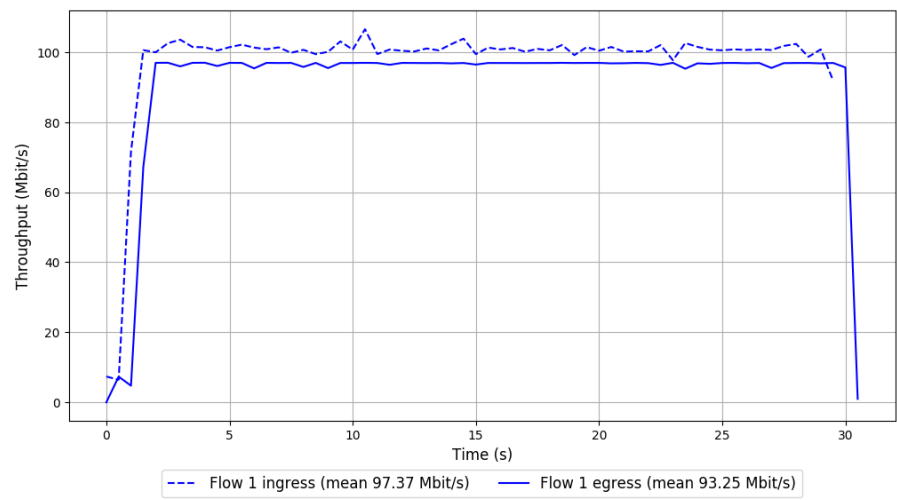
-- Flow 1:

Average throughput: 93.25 Mbit/s

95th percentile per-packet one-way delay: 67.021 ms

Loss rate: 4.15%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-05-21 22:21:02

End at: 2018-05-21 22:21:32

Local clock offset: -3.233 ms

Remote clock offset: 2.268 ms

Below is generated by plot.py at 2018-05-22 01:16:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.89 Mbit/s

95th percentile per-packet one-way delay: 67.016 ms

Loss rate: 7.39%

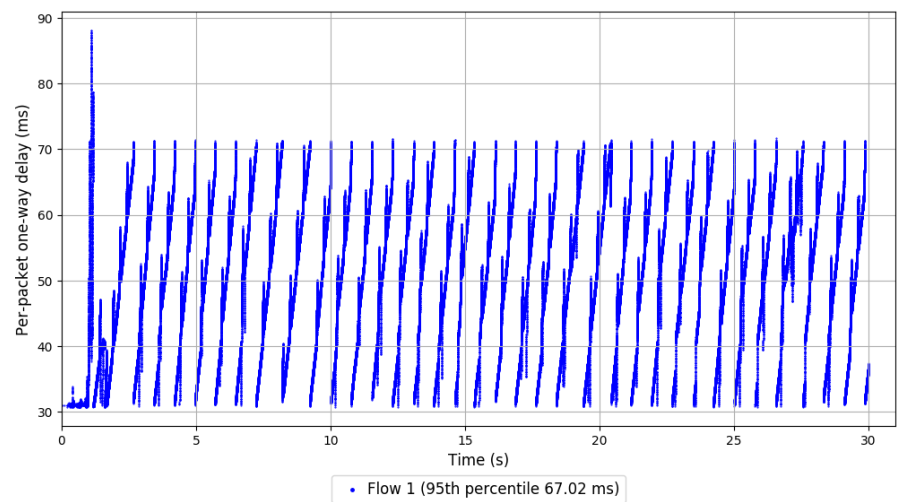
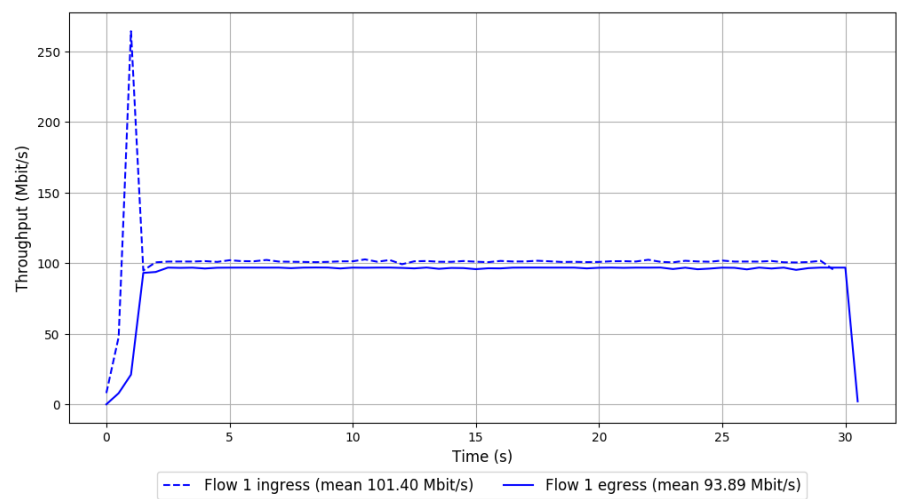
-- Flow 1:

Average throughput: 93.89 Mbit/s

95th percentile per-packet one-way delay: 67.016 ms

Loss rate: 7.39%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-05-21 22:41:51

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

Local clock offset: -1.225 ms

Remote clock offset: 0.715 ms

Below is generated by plot.py at 2018-05-22 01:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.23 Mbit/s

95th percentile per-packet one-way delay: 64.313 ms

Loss rate: 7.86%

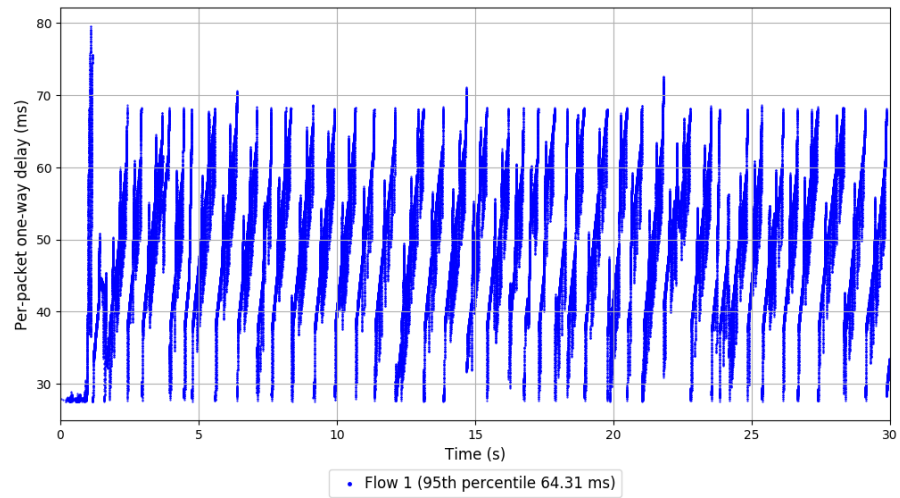
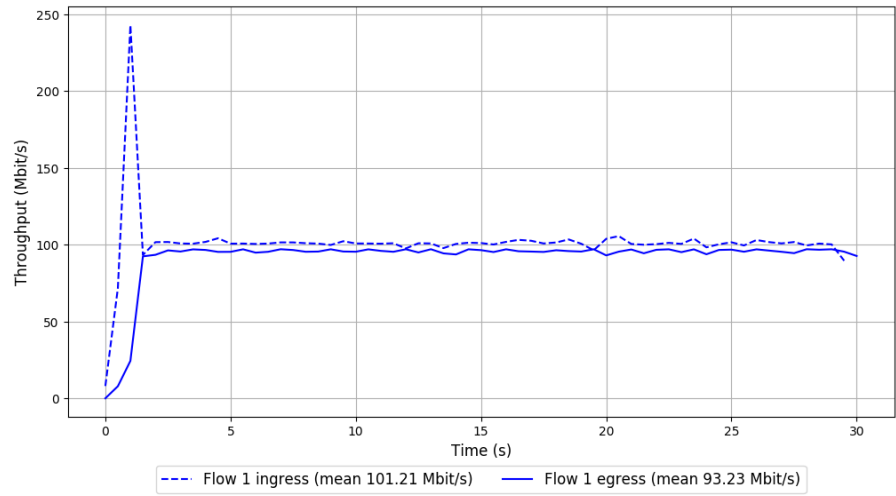
-- Flow 1:

Average throughput: 93.23 Mbit/s

95th percentile per-packet one-way delay: 64.313 ms

Loss rate: 7.86%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-05-21 23:02:34

End at: 2018-05-21 23:03:04

Local clock offset: -0.663 ms

Remote clock offset: 4.285 ms

Below is generated by plot.py at 2018-05-22 01:16:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.80 Mbit/s

95th percentile per-packet one-way delay: 66.652 ms

Loss rate: 5.09%

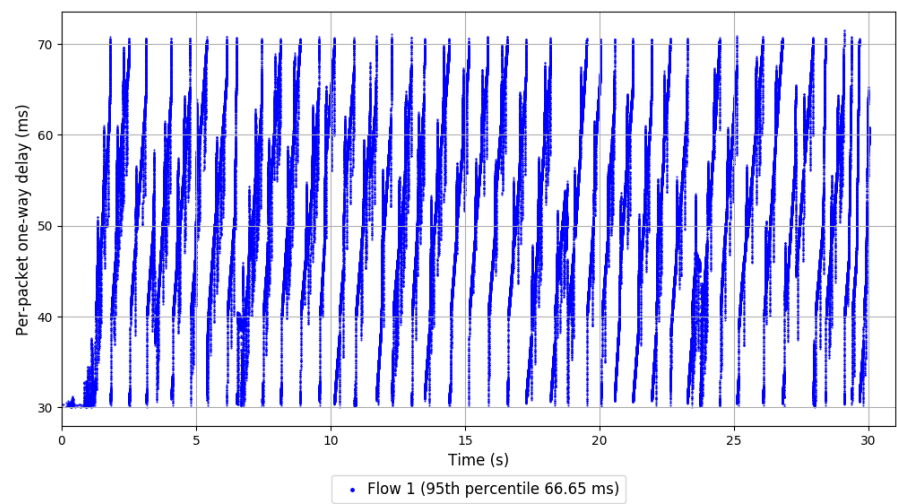
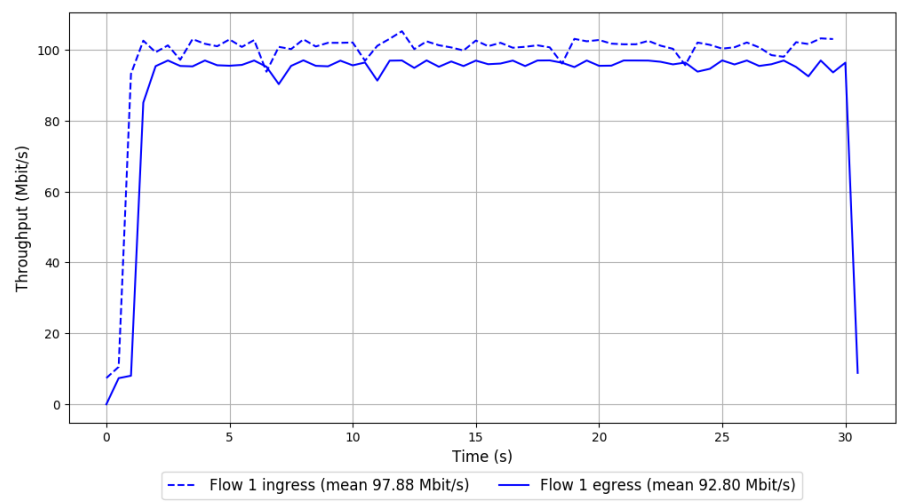
-- Flow 1:

Average throughput: 92.80 Mbit/s

95th percentile per-packet one-way delay: 66.652 ms

Loss rate: 5.09%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-21 23:23:22

End at: 2018-05-21 23:23:52

Local clock offset: -0.644 ms

Remote clock offset: 1.695 ms

Below is generated by plot.py at 2018-05-22 01:16:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 66.745 ms

Loss rate: 5.54%

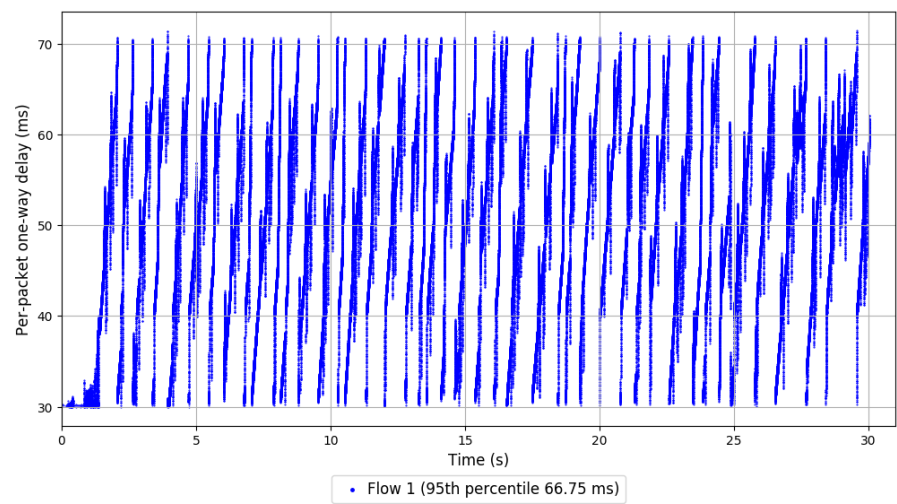
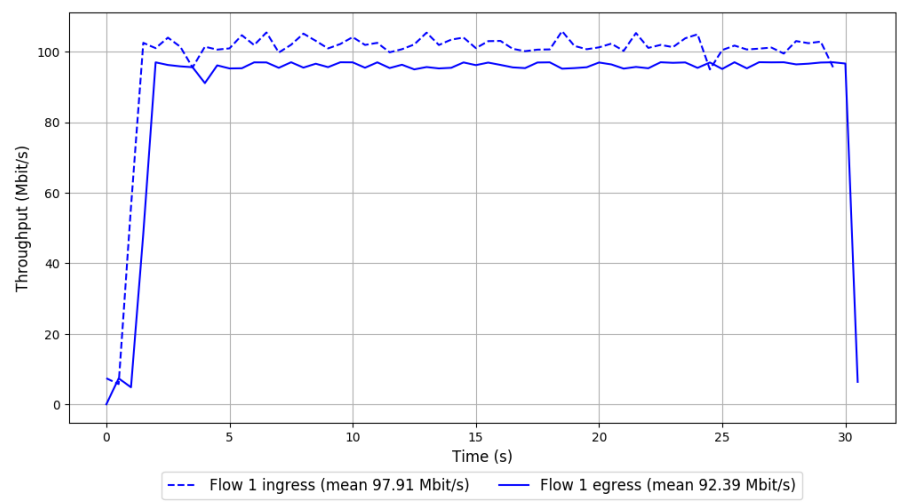
-- Flow 1:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 66.745 ms

Loss rate: 5.54%

Run 5: Report of FillP — Data Link

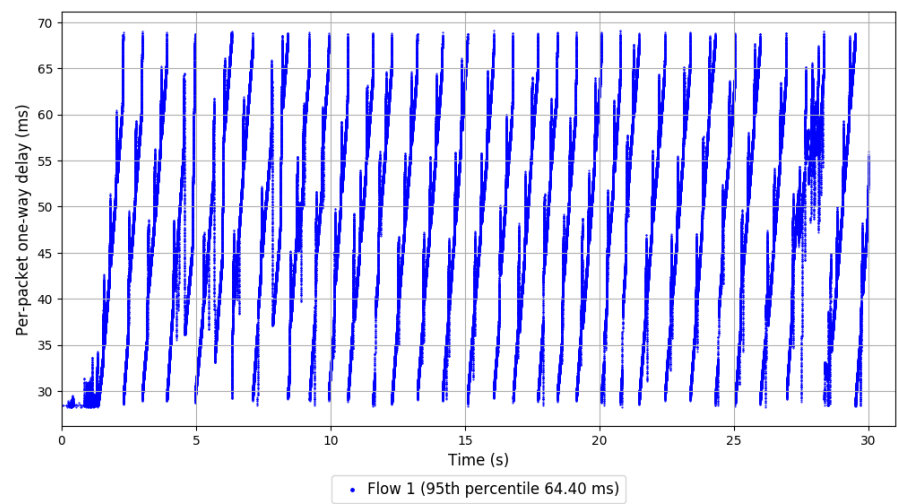
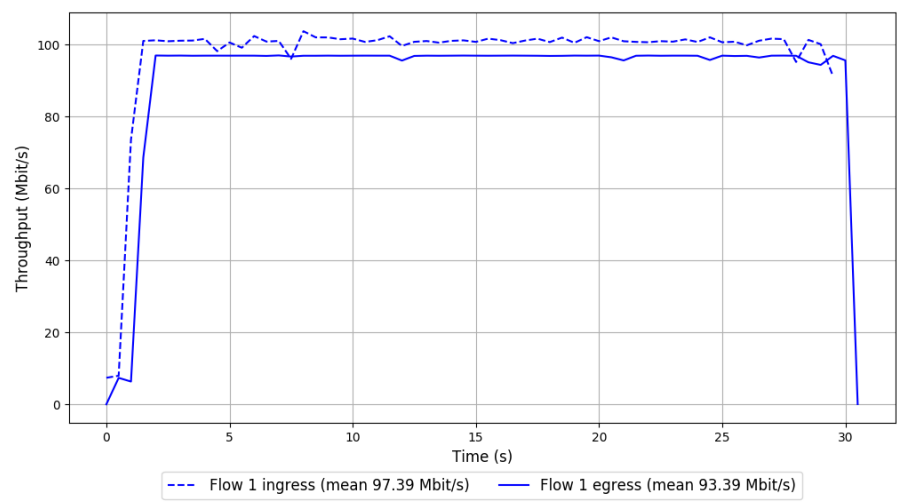


Run 6: Statistics of FillP

Start at: 2018-05-21 23:44:14
End at: 2018-05-21 23:44:44
Local clock offset: -0.12 ms
Remote clock offset: -2.925 ms

Below is generated by plot.py at 2018-05-22 01:16:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.39 Mbit/s
95th percentile per-packet one-way delay: 64.400 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 93.39 Mbit/s
95th percentile per-packet one-way delay: 64.400 ms
Loss rate: 4.02%

Run 6: Report of FillP — Data Link

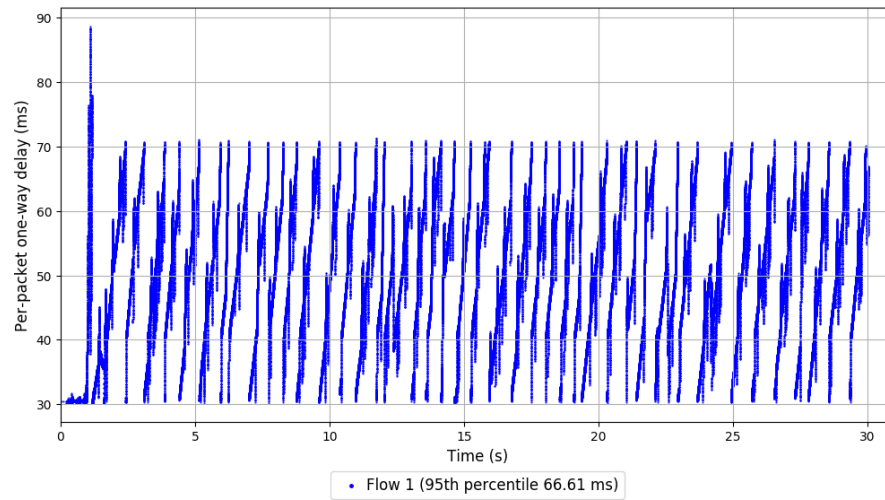
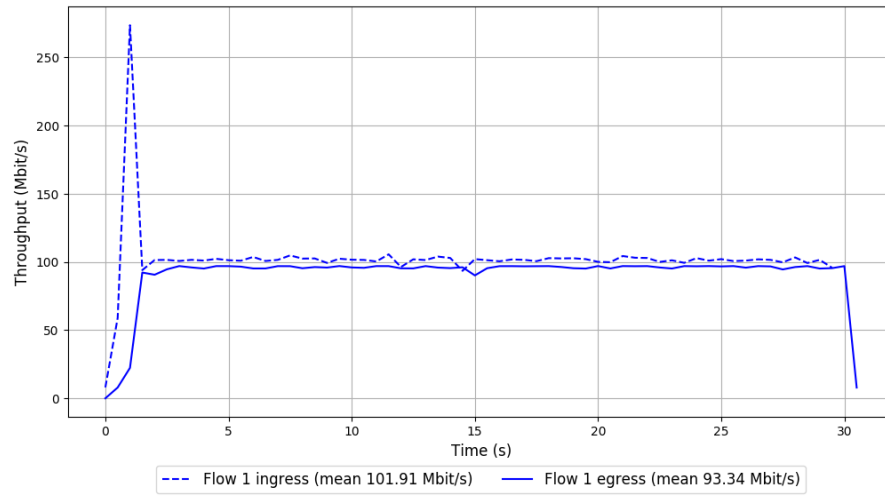


Run 7: Statistics of FillP

Start at: 2018-05-22 00:05:03
End at: 2018-05-22 00:05:33
Local clock offset: 0.144 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2018-05-22 01:17:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 66.611 ms
Loss rate: 8.30%
-- Flow 1:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 66.611 ms
Loss rate: 8.30%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-22 00:25:50

End at: 2018-05-22 00:26:20

Local clock offset: 0.039 ms

Remote clock offset: 0.241 ms

Below is generated by plot.py at 2018-05-22 01:17:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 65.053 ms

Loss rate: 7.26%

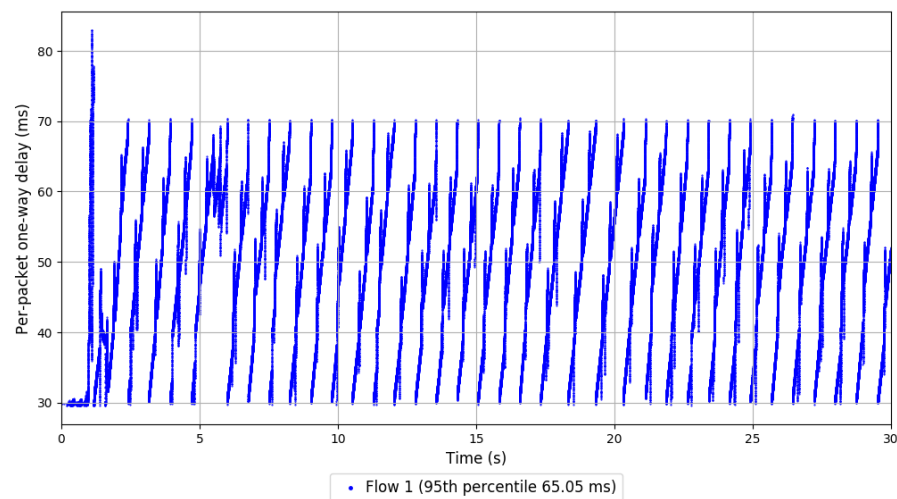
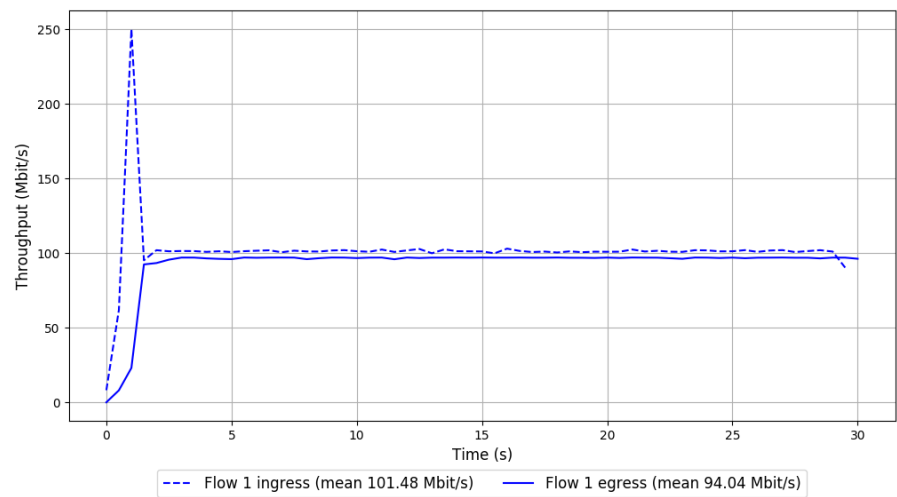
-- Flow 1:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 65.053 ms

Loss rate: 7.26%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-22 00:47:24

End at: 2018-05-22 00:47:54

Local clock offset: 1.602 ms

Remote clock offset: -1.88 ms

Below is generated by plot.py at 2018-05-22 01:18:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.19 Mbit/s

95th percentile per-packet one-way delay: 64.593 ms

Loss rate: 4.04%

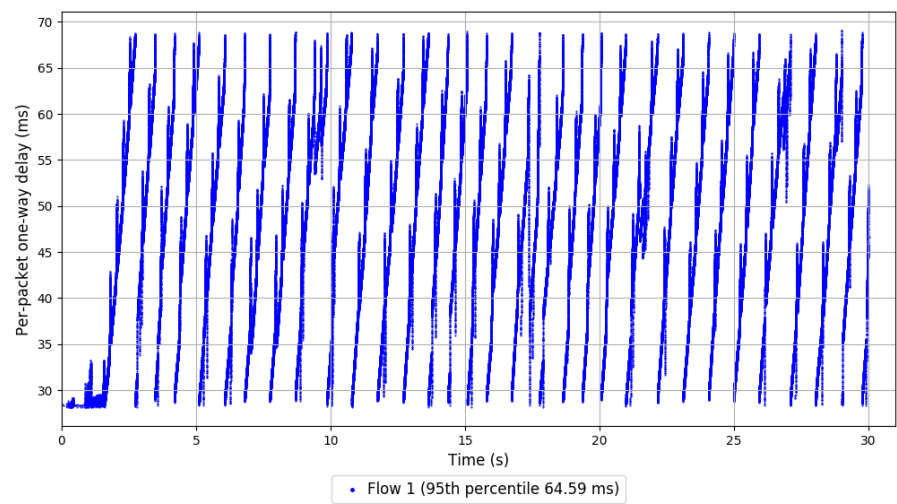
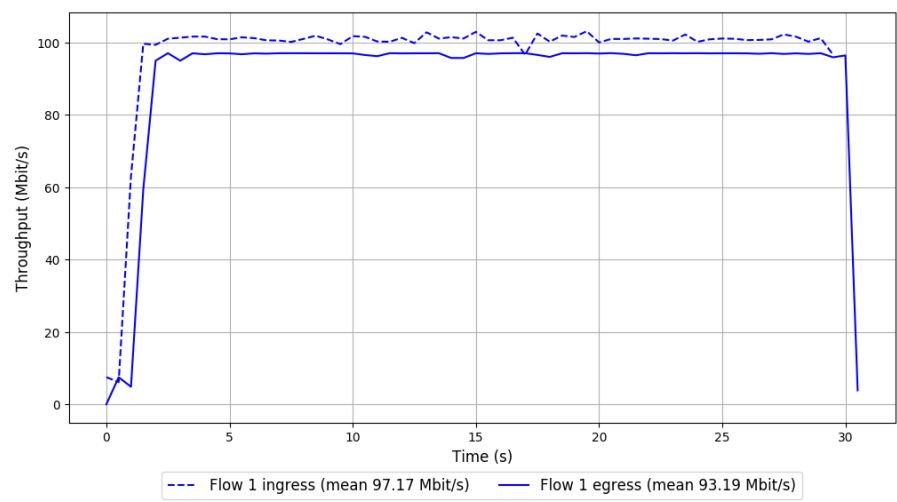
-- Flow 1:

Average throughput: 93.19 Mbit/s

95th percentile per-packet one-way delay: 64.593 ms

Loss rate: 4.04%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-22 01:08:27

End at: 2018-05-22 01:08:57

Local clock offset: 1.234 ms

Remote clock offset: 0.196 ms

Below is generated by plot.py at 2018-05-22 01:18:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.01 Mbit/s

95th percentile per-packet one-way delay: 66.581 ms

Loss rate: 4.55%

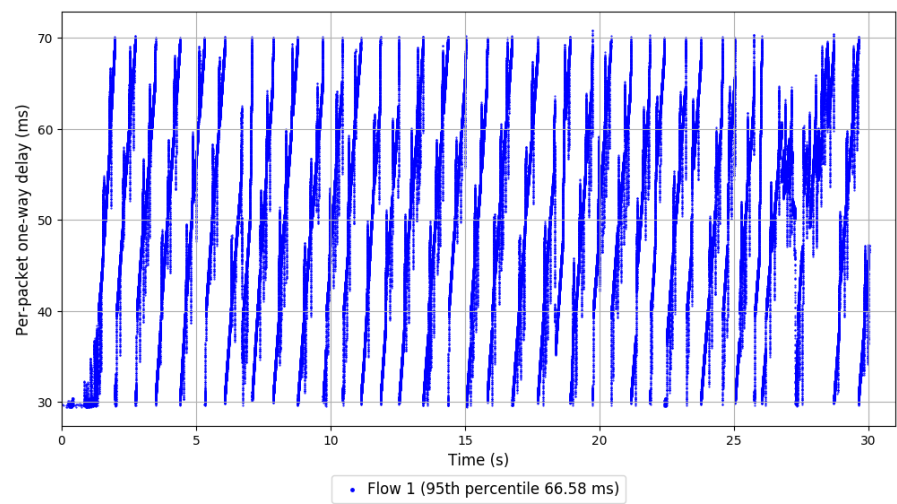
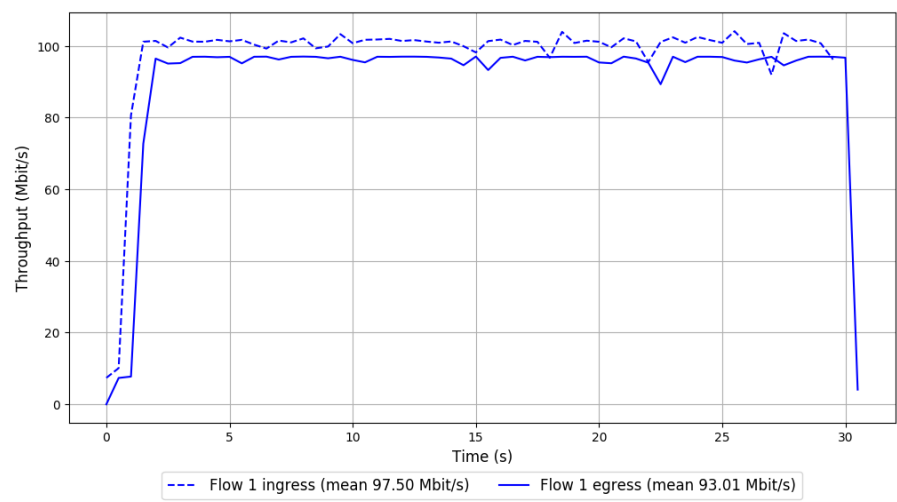
-- Flow 1:

Average throughput: 93.01 Mbit/s

95th percentile per-packet one-way delay: 66.581 ms

Loss rate: 4.55%

Run 10: Report of FillP — Data Link

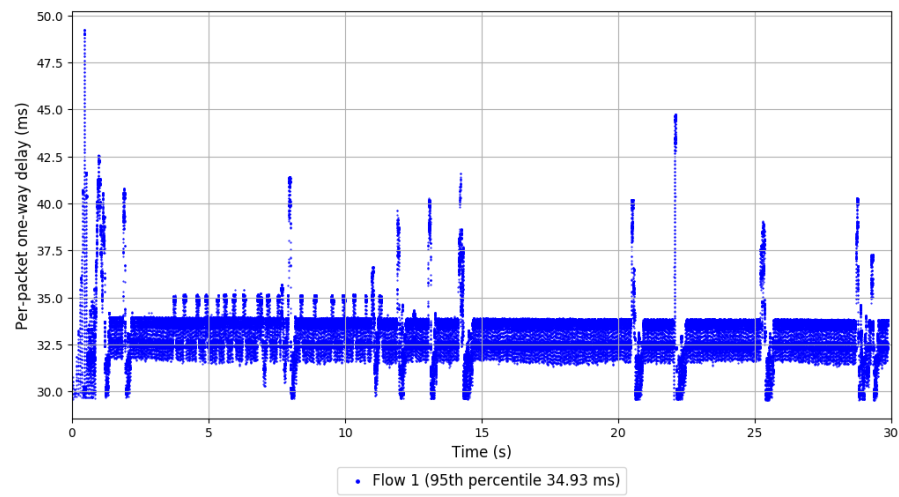
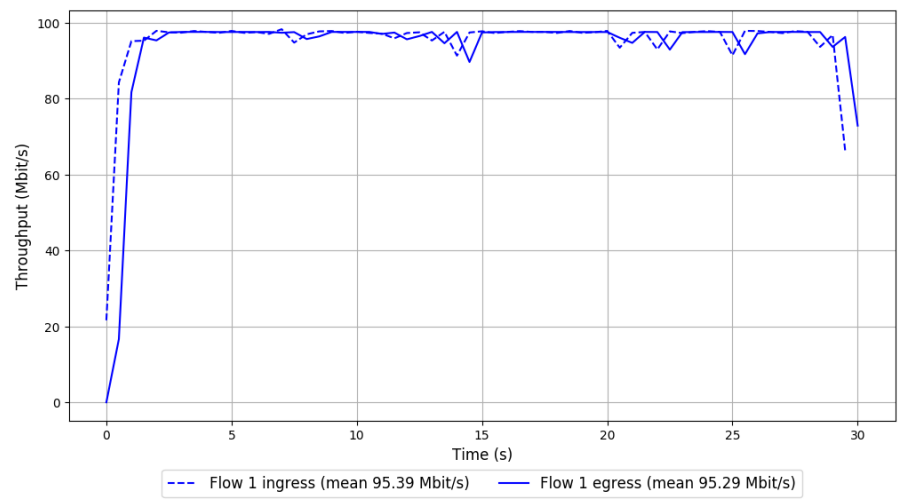


```
Run 1: Statistics of Indigo

Start at: 2018-05-21 21:46:07
End at: 2018-05-21 21:46:37
Local clock offset: -5.875 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-05-22 01:18:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 34.926 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 34.926 ms
Loss rate: 0.09%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-21 22:06:47

End at: 2018-05-21 22:07:17

Local clock offset: -3.437 ms

Remote clock offset: 0.3 ms

Below is generated by plot.py at 2018-05-22 01:18:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 34.916 ms

Loss rate: 0.15%

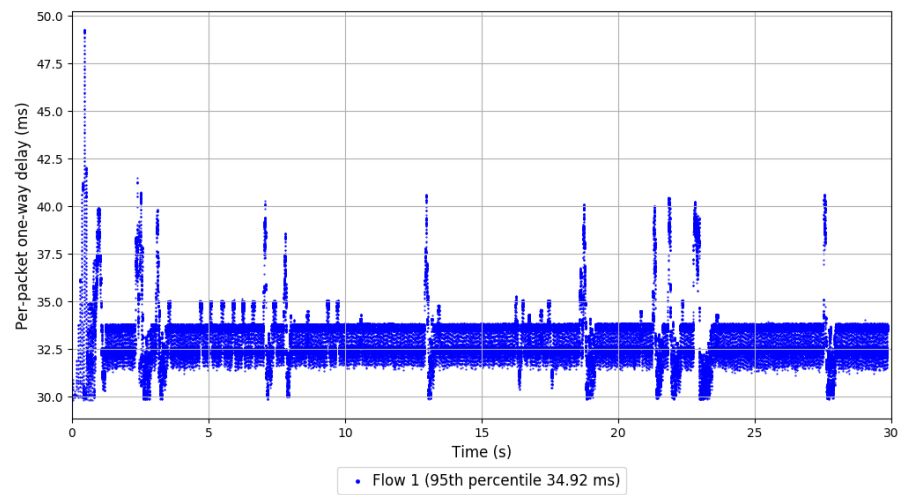
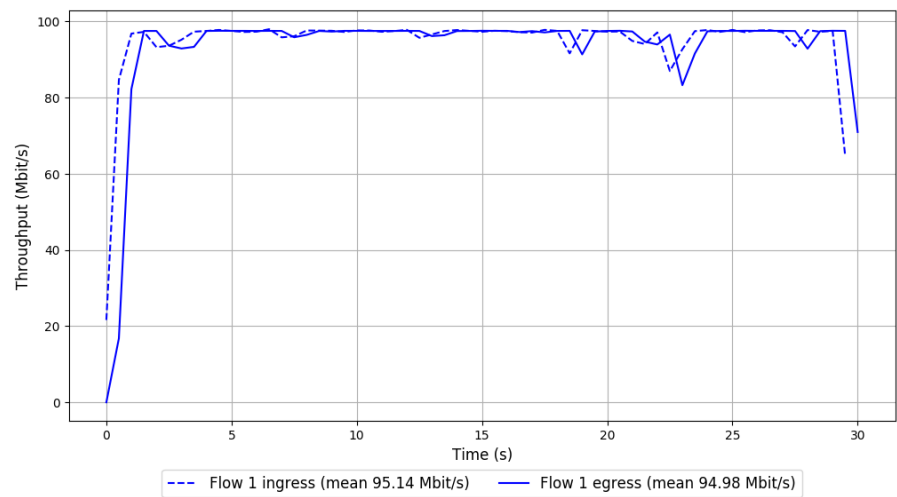
-- Flow 1:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 34.916 ms

Loss rate: 0.15%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-21 22:27:31

End at: 2018-05-21 22:28:01

Local clock offset: -3.483 ms

Remote clock offset: 2.149 ms

Below is generated by plot.py at 2018-05-22 01:18:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.70 Mbit/s

95th percentile per-packet one-way delay: 33.489 ms

Loss rate: 0.05%

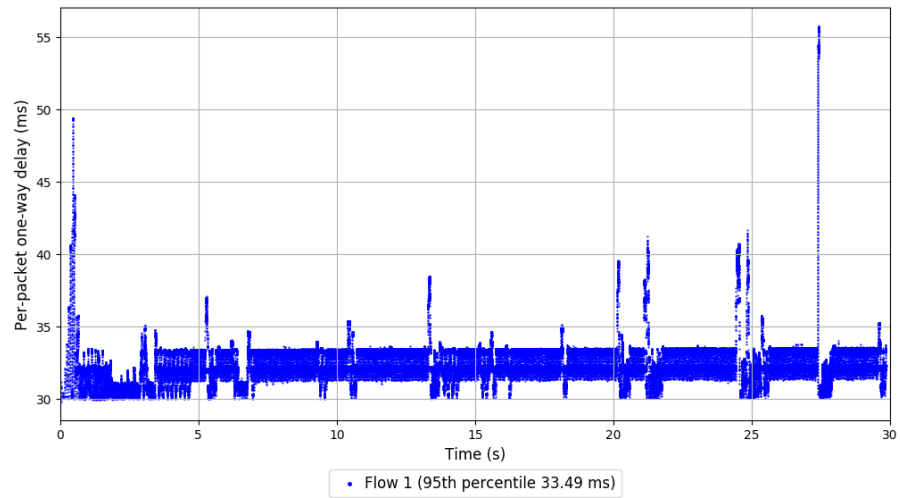
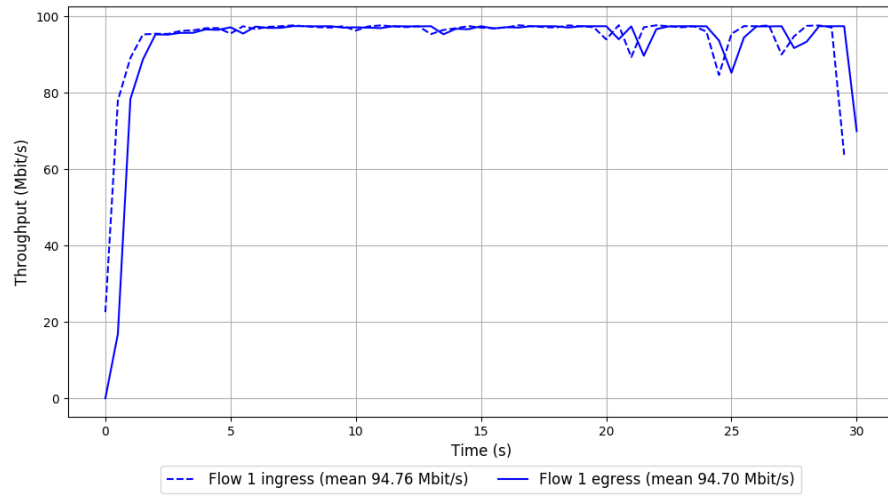
-- Flow 1:

Average throughput: 94.70 Mbit/s

95th percentile per-packet one-way delay: 33.489 ms

Loss rate: 0.05%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-21 22:48:20

End at: 2018-05-21 22:48:50

Local clock offset: -1.252 ms

Remote clock offset: 0.942 ms

Below is generated by plot.py at 2018-05-22 01:18:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.76 Mbit/s

95th percentile per-packet one-way delay: 32.929 ms

Loss rate: 0.02%

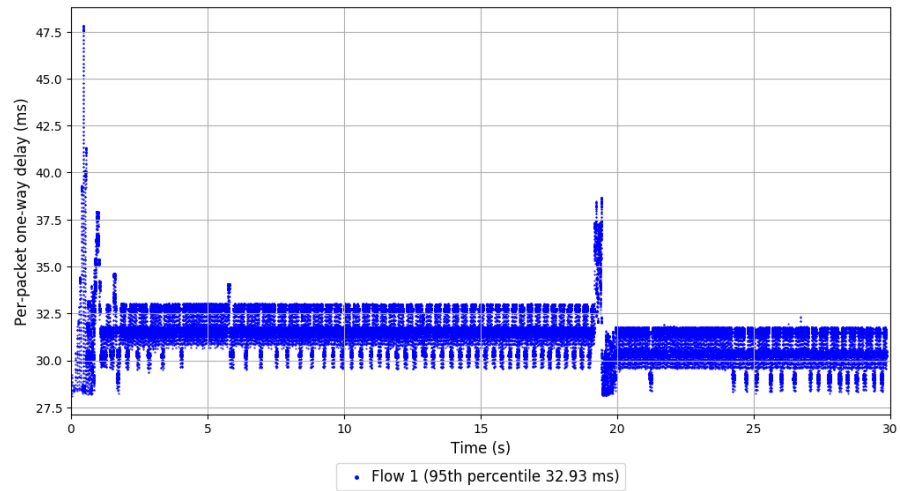
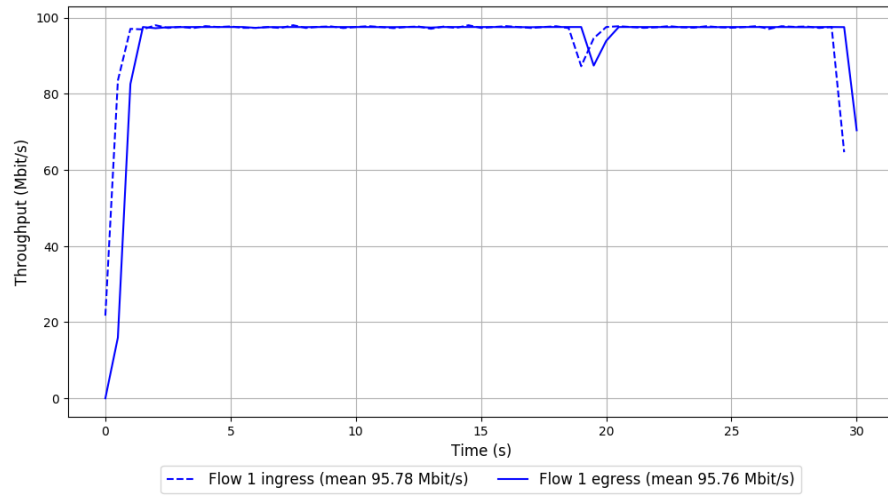
-- Flow 1:

Average throughput: 95.76 Mbit/s

95th percentile per-packet one-way delay: 32.929 ms

Loss rate: 0.02%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-21 23:09:03

End at: 2018-05-21 23:09:33

Local clock offset: -0.28 ms

Remote clock offset: 2.101 ms

Below is generated by plot.py at 2018-05-22 01:18:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 31.035 ms

Loss rate: 0.03%

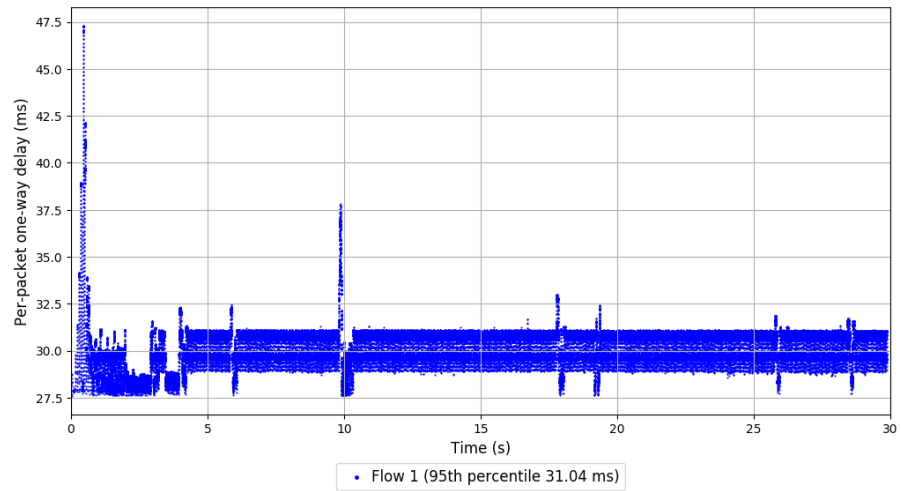
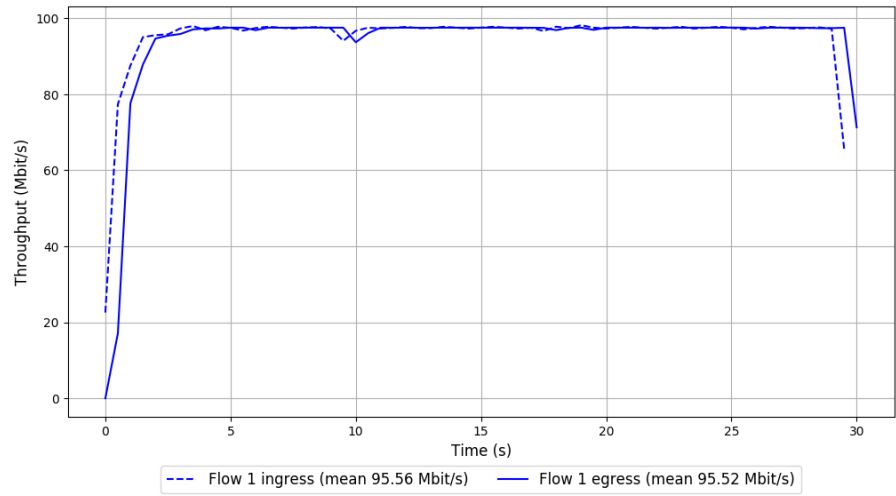
-- Flow 1:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 31.035 ms

Loss rate: 0.03%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-21 23:29:52

End at: 2018-05-21 23:30:22

Local clock offset: -0.493 ms

Remote clock offset: 0.495 ms

Below is generated by plot.py at 2018-05-22 01:18:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.42 Mbit/s

95th percentile per-packet one-way delay: 34.561 ms

Loss rate: 0.04%

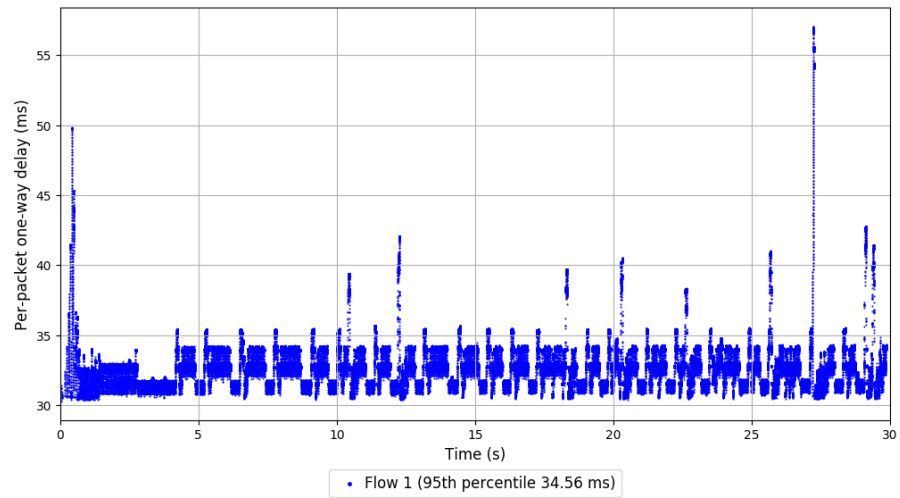
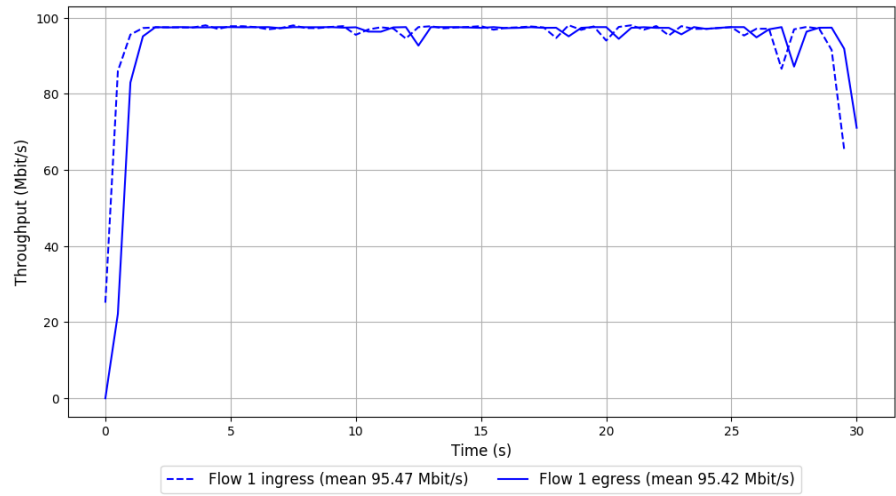
-- Flow 1:

Average throughput: 95.42 Mbit/s

95th percentile per-packet one-way delay: 34.561 ms

Loss rate: 0.04%

Run 6: Report of Indigo — Data Link

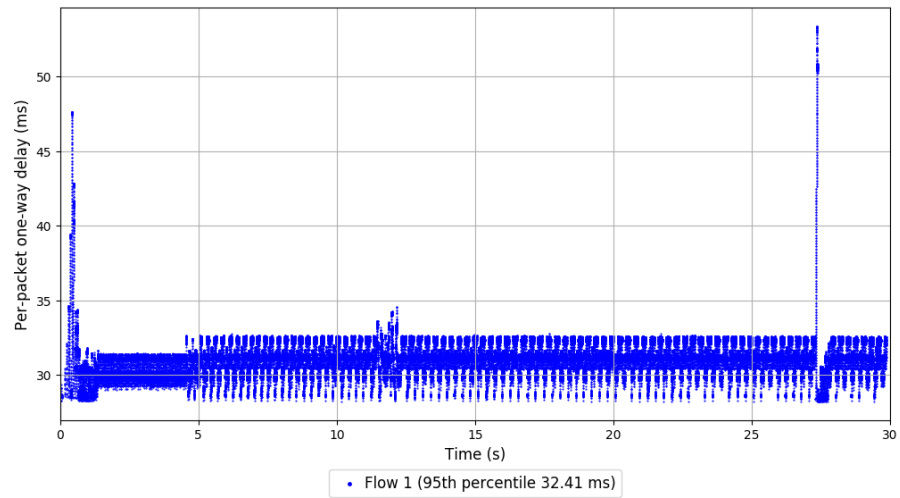
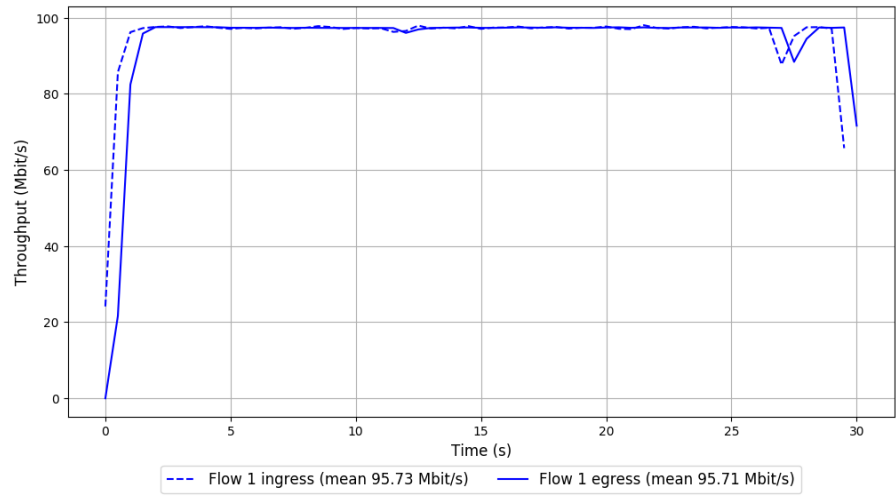


Run 7: Statistics of Indigo

Start at: 2018-05-21 23:50:45
End at: 2018-05-21 23:51:15
Local clock offset: -0.244 ms
Remote clock offset: -2.937 ms

Below is generated by plot.py at 2018-05-22 01:19:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 32.409 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 32.409 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-22 00:11:29

End at: 2018-05-22 00:11:59

Local clock offset: 0.247 ms

Remote clock offset: -2.13 ms

Below is generated by plot.py at 2018-05-22 01:19:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 32.190 ms

Loss rate: 0.01%

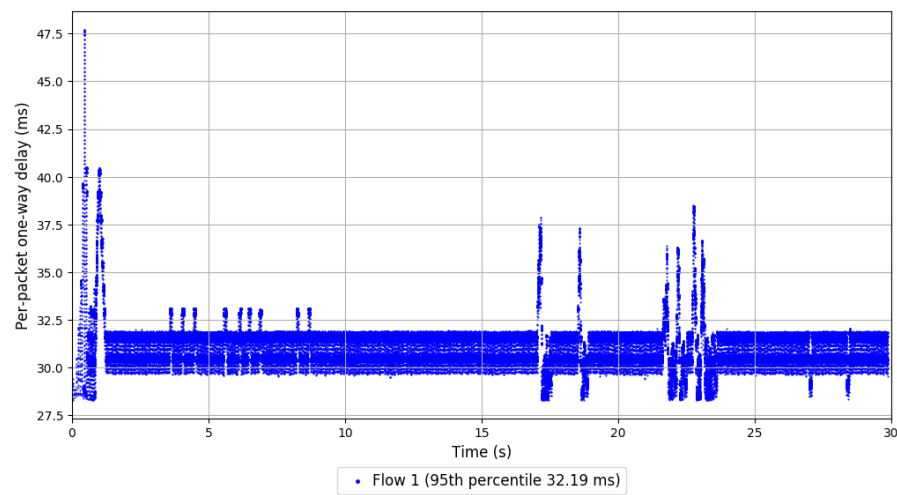
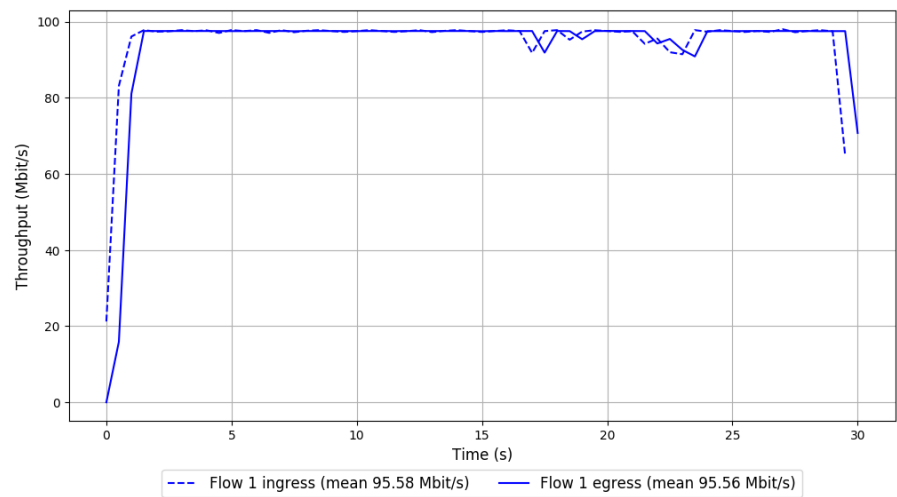
-- Flow 1:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 32.190 ms

Loss rate: 0.01%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-22 00:32:28

End at: 2018-05-22 00:32:58

Local clock offset: 0.797 ms

Remote clock offset: 0.61 ms

Below is generated by plot.py at 2018-05-22 01:19:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.75 Mbit/s

95th percentile per-packet one-way delay: 34.553 ms

Loss rate: 0.00%

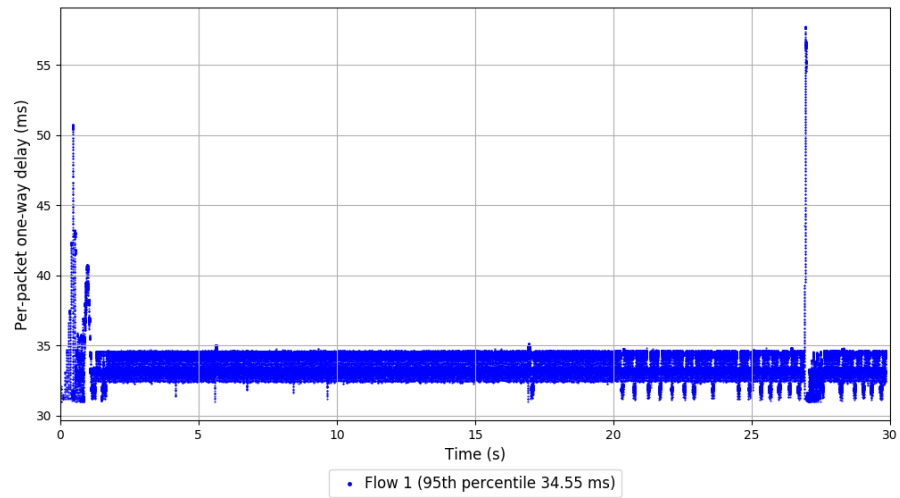
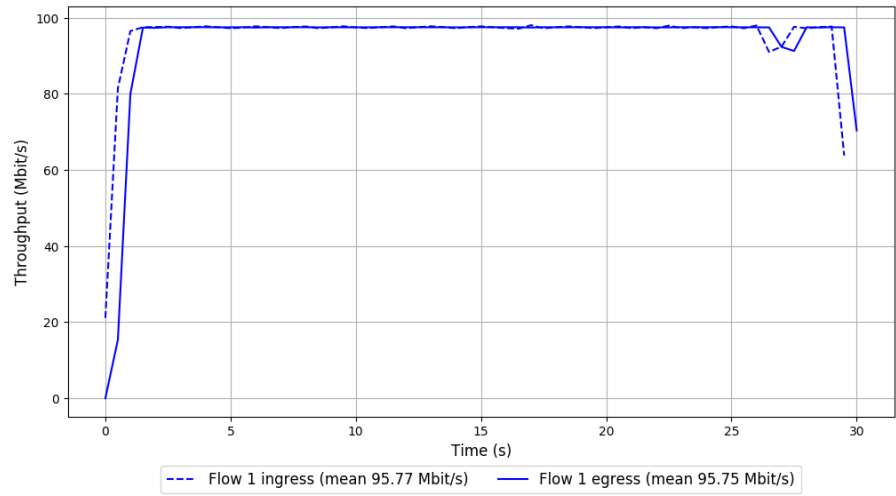
-- Flow 1:

Average throughput: 95.75 Mbit/s

95th percentile per-packet one-way delay: 34.553 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

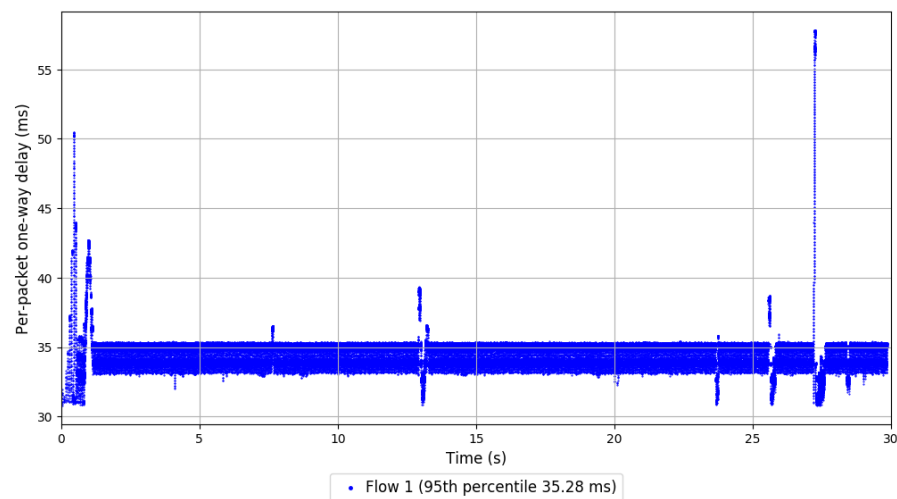
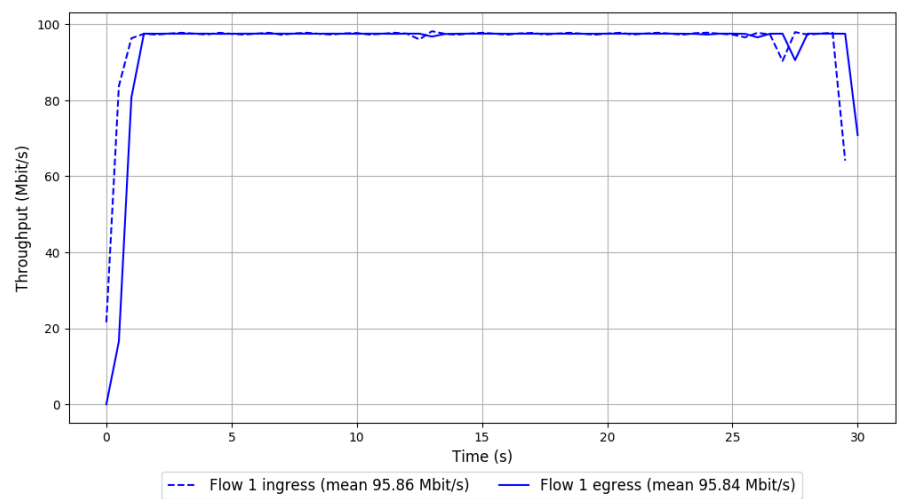


```
Run 10: Statistics of Indigo

Start at: 2018-05-22 00:54:06
End at: 2018-05-22 00:54:36
Local clock offset: 1.798 ms
Remote clock offset: 0.803 ms

# Below is generated by plot.py at 2018-05-22 01:19:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 35.280 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 35.280 ms
Loss rate: 0.01%
```

Run 10: Report of Indigo — Data Link

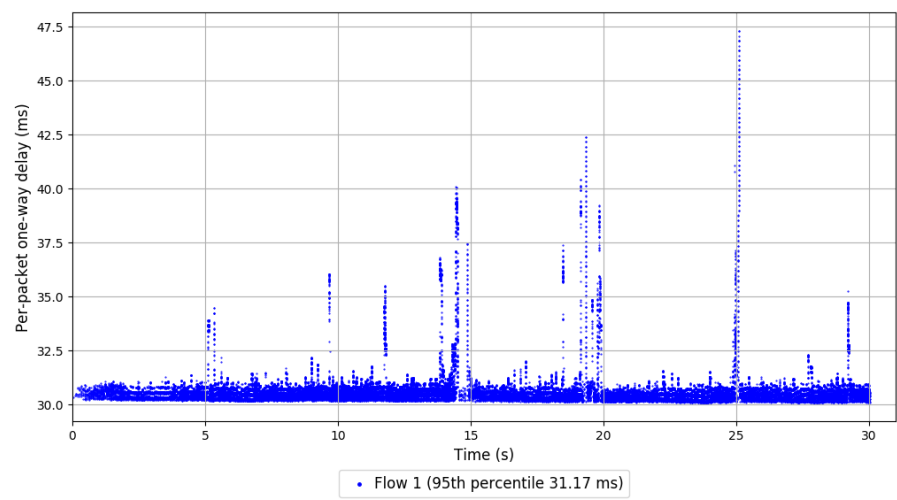
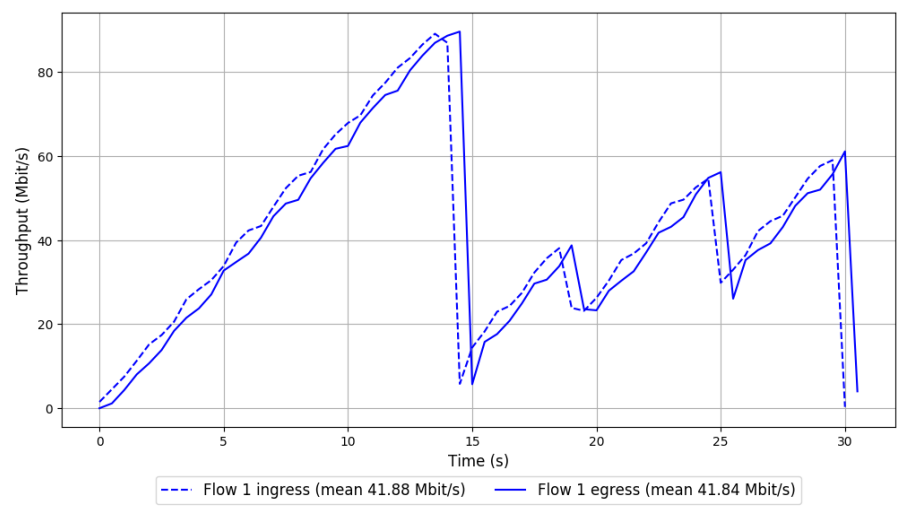


Run 1: Statistics of LEDBAT

Start at: 2018-05-21 21:44:50
End at: 2018-05-21 21:45:20
Local clock offset: -5.53 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-05-22 01:19:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.84 Mbit/s
95th percentile per-packet one-way delay: 31.166 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 41.84 Mbit/s
95th percentile per-packet one-way delay: 31.166 ms
Loss rate: 0.08%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-05-21 22:05:30

End at: 2018-05-21 22:06:00

Local clock offset: -3.83 ms

Remote clock offset: 0.256 ms

Below is generated by plot.py at 2018-05-22 01:19:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.38 Mbit/s

95th percentile per-packet one-way delay: 31.093 ms

Loss rate: 0.03%

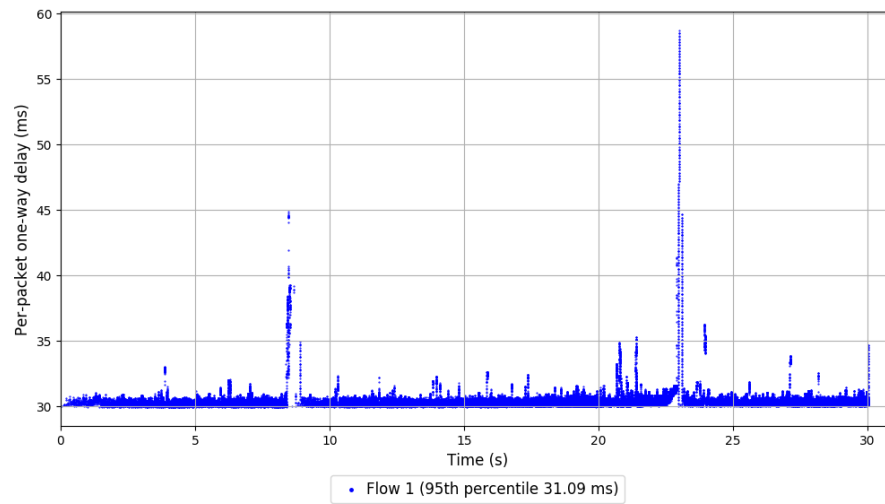
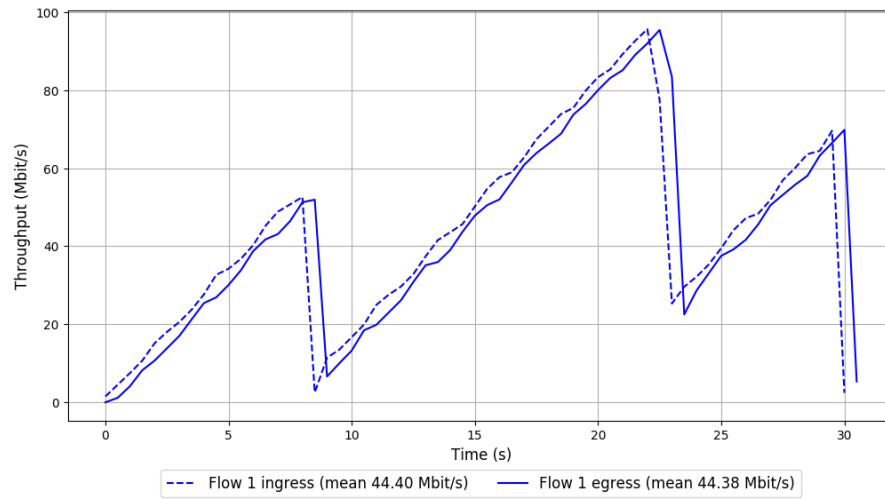
-- Flow 1:

Average throughput: 44.38 Mbit/s

95th percentile per-packet one-way delay: 31.093 ms

Loss rate: 0.03%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-05-21 22:26:13

End at: 2018-05-21 22:26:43

Local clock offset: -3.789 ms

Remote clock offset: 2.078 ms

Below is generated by plot.py at 2018-05-22 01:19:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.86 Mbit/s

95th percentile per-packet one-way delay: 60.555 ms

Loss rate: 0.22%

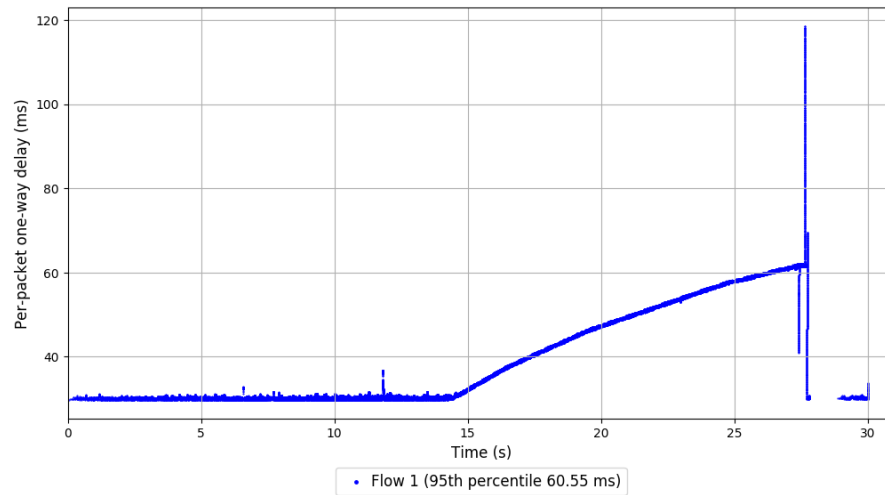
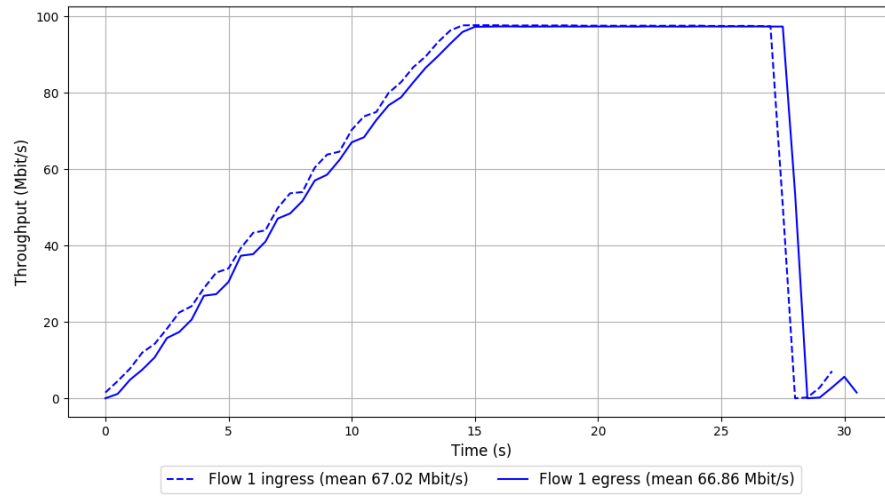
-- Flow 1:

Average throughput: 66.86 Mbit/s

95th percentile per-packet one-way delay: 60.555 ms

Loss rate: 0.22%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-21 22:47:02

End at: 2018-05-21 22:47:32

Local clock offset: -1.187 ms

Remote clock offset: 1.012 ms

Below is generated by plot.py at 2018-05-22 01:19:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.95 Mbit/s

95th percentile per-packet one-way delay: 63.387 ms

Loss rate: 0.00%

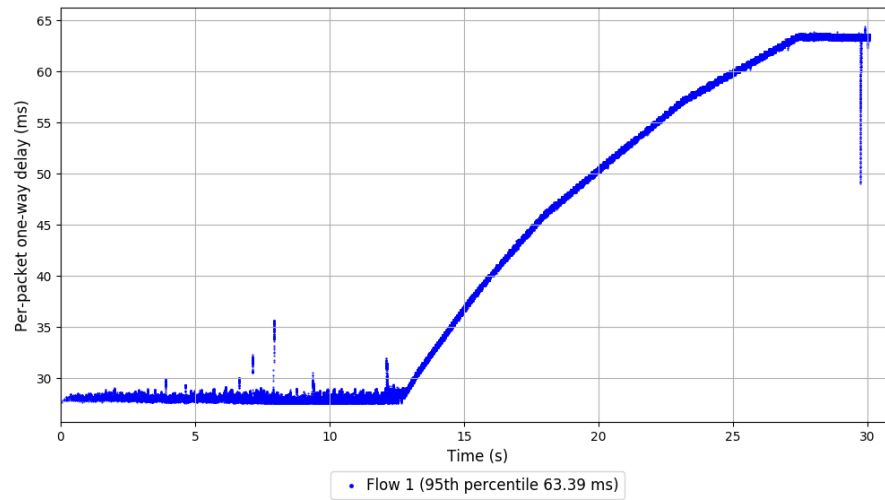
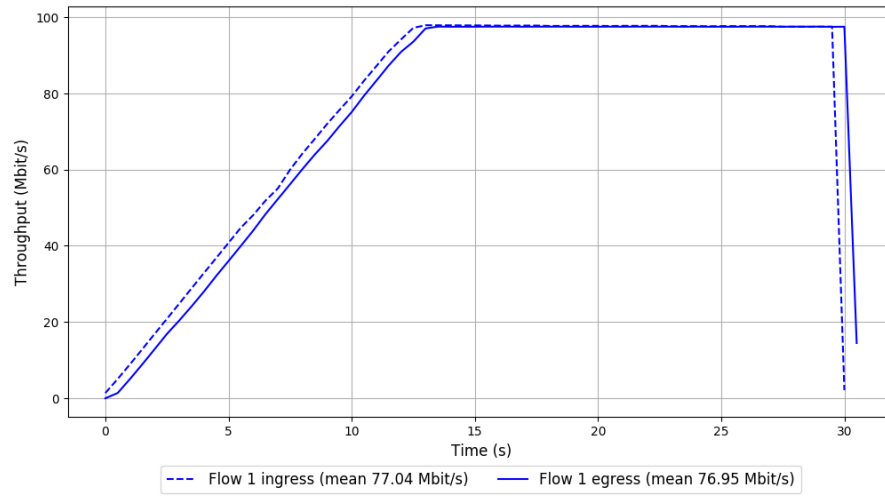
-- Flow 1:

Average throughput: 76.95 Mbit/s

95th percentile per-packet one-way delay: 63.387 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-21 23:07:45

End at: 2018-05-21 23:08:15

Local clock offset: -0.312 ms

Remote clock offset: 4.055 ms

Below is generated by plot.py at 2018-05-22 01:19:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.35 Mbit/s

95th percentile per-packet one-way delay: 61.725 ms

Loss rate: 0.03%

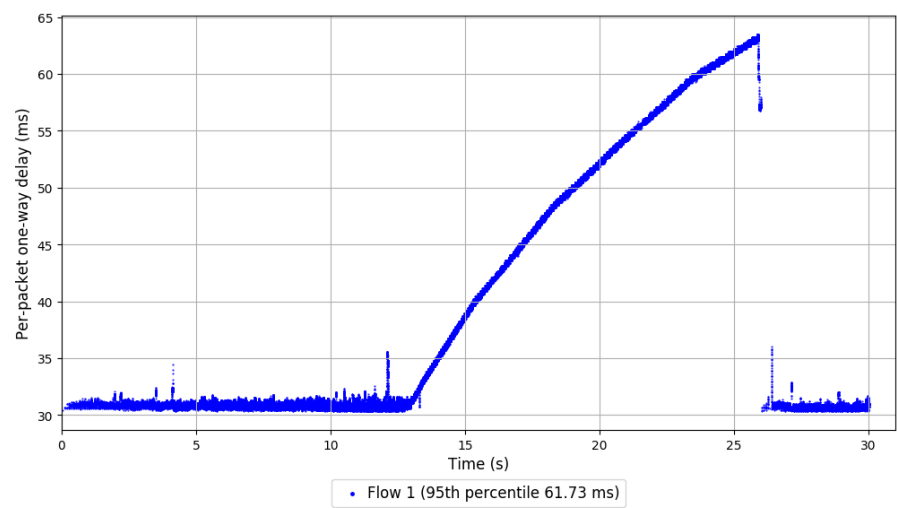
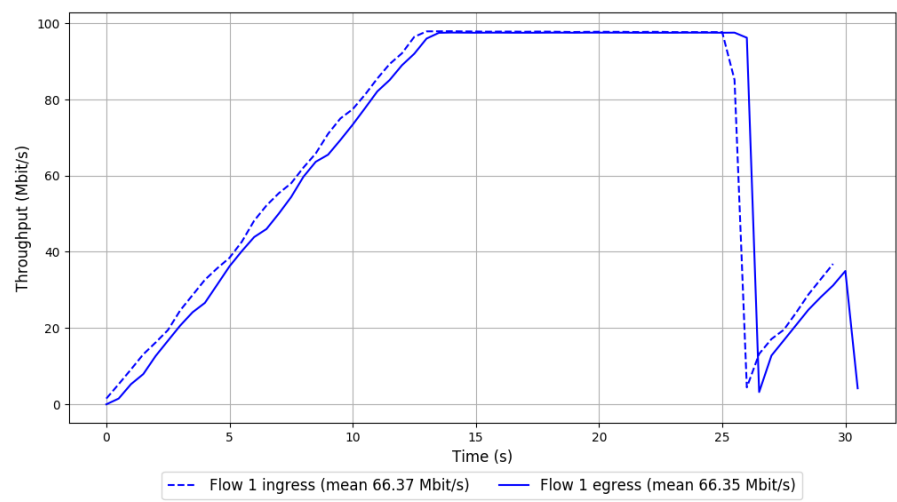
-- Flow 1:

Average throughput: 66.35 Mbit/s

95th percentile per-packet one-way delay: 61.725 ms

Loss rate: 0.03%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-21 23:28:33

End at: 2018-05-21 23:29:03

Local clock offset: -0.659 ms

Remote clock offset: 0.617 ms

Below is generated by plot.py at 2018-05-22 01:19:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.05 Mbit/s

95th percentile per-packet one-way delay: 50.085 ms

Loss rate: 0.03%

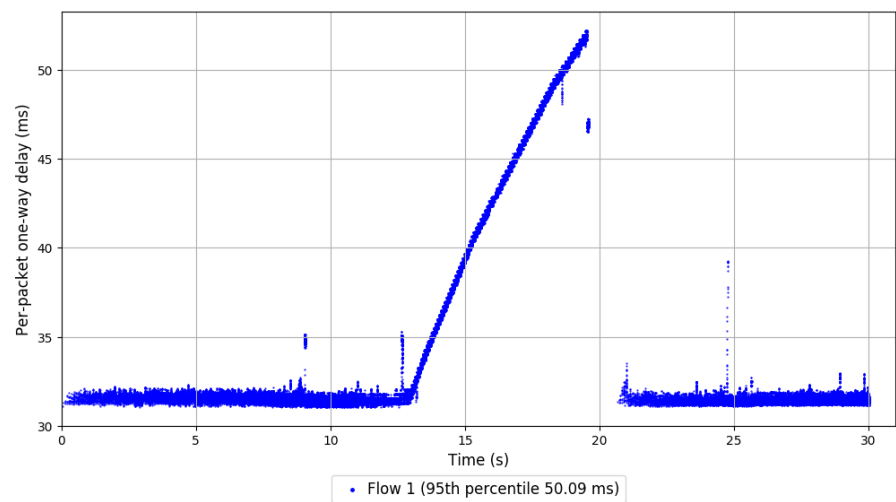
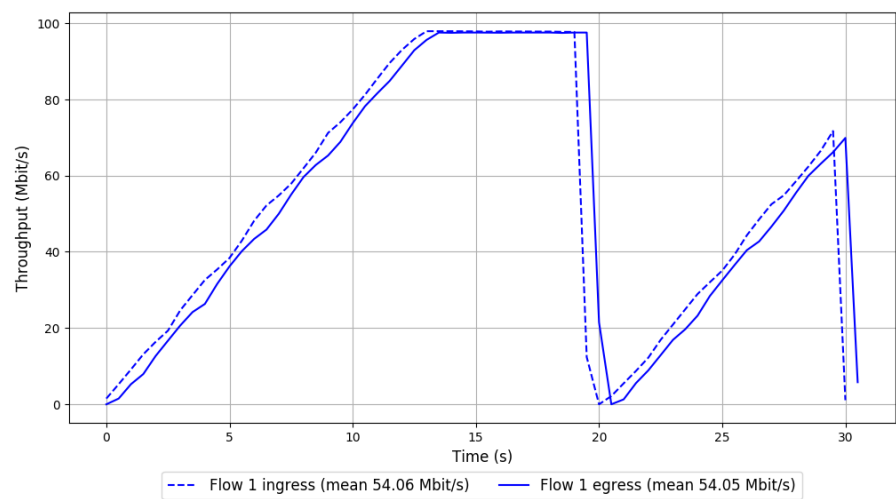
-- Flow 1:

Average throughput: 54.05 Mbit/s

95th percentile per-packet one-way delay: 50.085 ms

Loss rate: 0.03%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-05-21 23:49:27

End at: 2018-05-21 23:49:57

Local clock offset: -0.281 ms

Remote clock offset: -0.47 ms

Below is generated by plot.py at 2018-05-22 01:19:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.32 Mbit/s

95th percentile per-packet one-way delay: 44.396 ms

Loss rate: 0.03%

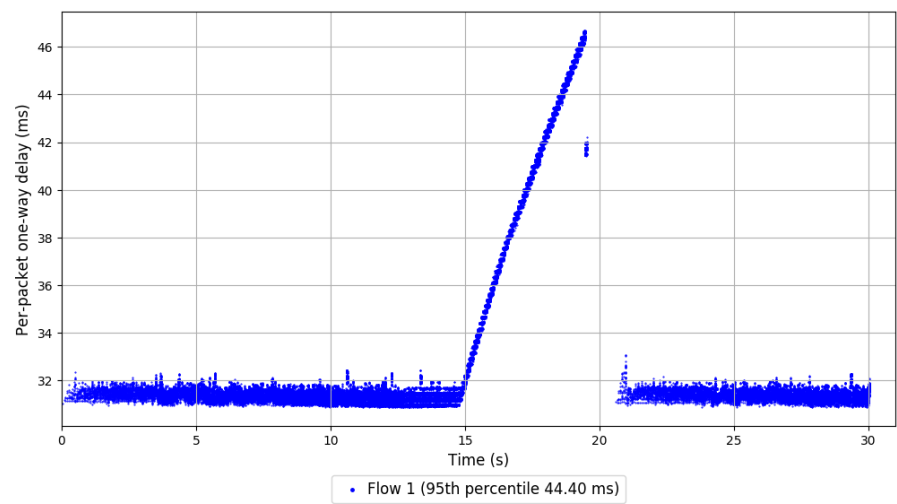
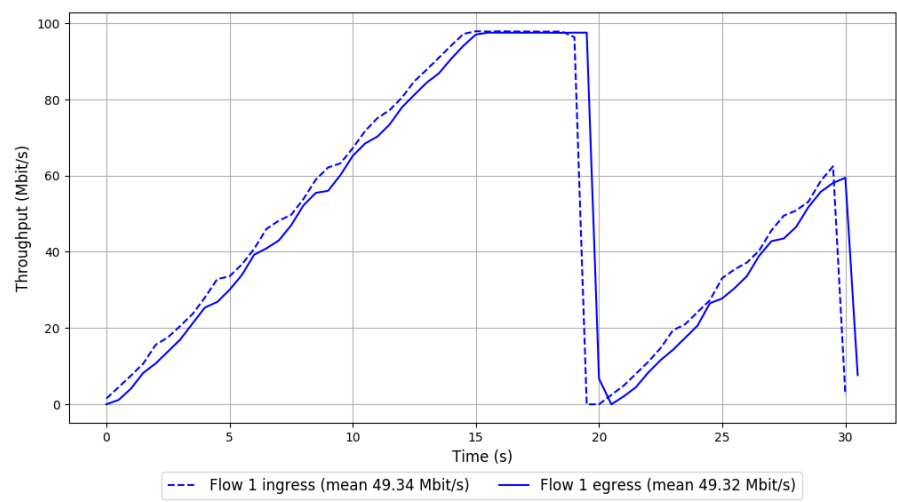
-- Flow 1:

Average throughput: 49.32 Mbit/s

95th percentile per-packet one-way delay: 44.396 ms

Loss rate: 0.03%

Run 7: Report of LEDBAT — Data Link

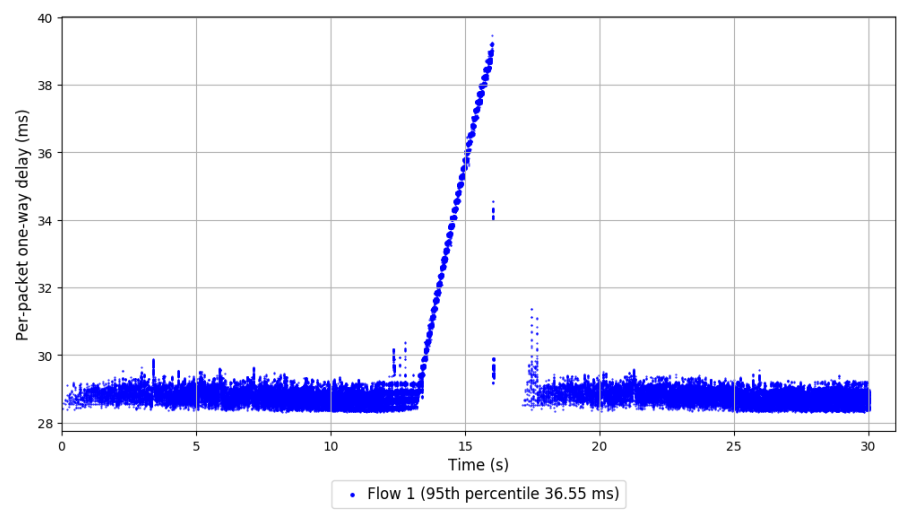
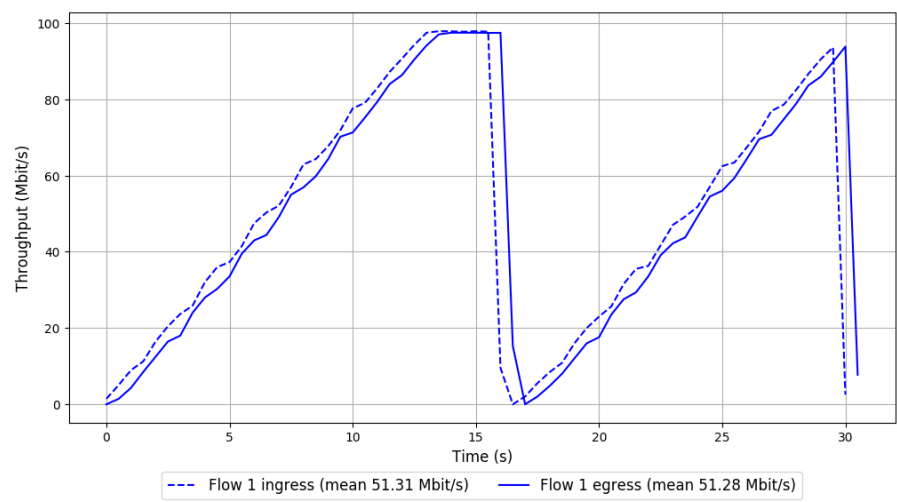


Run 8: Statistics of LEDBAT

Start at: 2018-05-22 00:10:12
End at: 2018-05-22 00:10:42
Local clock offset: 0.251 ms
Remote clock offset: -2.161 ms

Below is generated by plot.py at 2018-05-22 01:19:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.28 Mbit/s
95th percentile per-packet one-way delay: 36.552 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 51.28 Mbit/s
95th percentile per-packet one-way delay: 36.552 ms
Loss rate: 0.07%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-22 00:31:08

End at: 2018-05-22 00:31:38

Local clock offset: 0.718 ms

Remote clock offset: 0.618 ms

Below is generated by plot.py at 2018-05-22 01:19:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.52 Mbit/s

95th percentile per-packet one-way delay: 54.141 ms

Loss rate: 0.03%

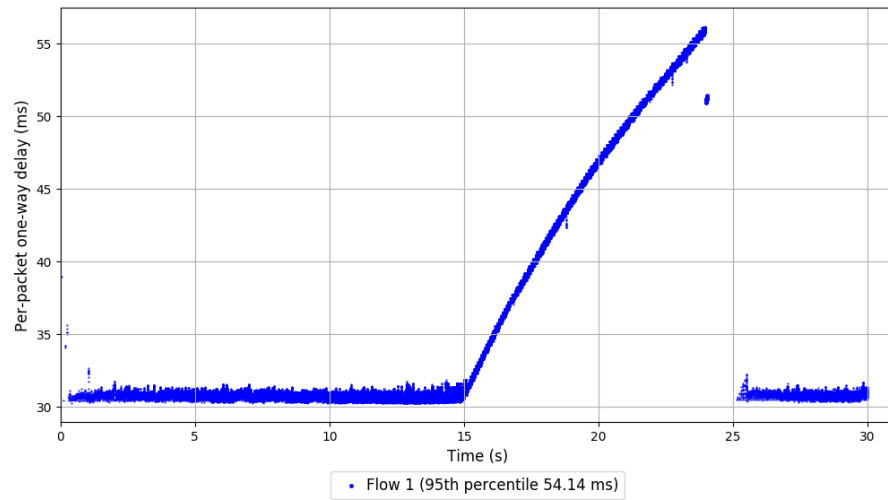
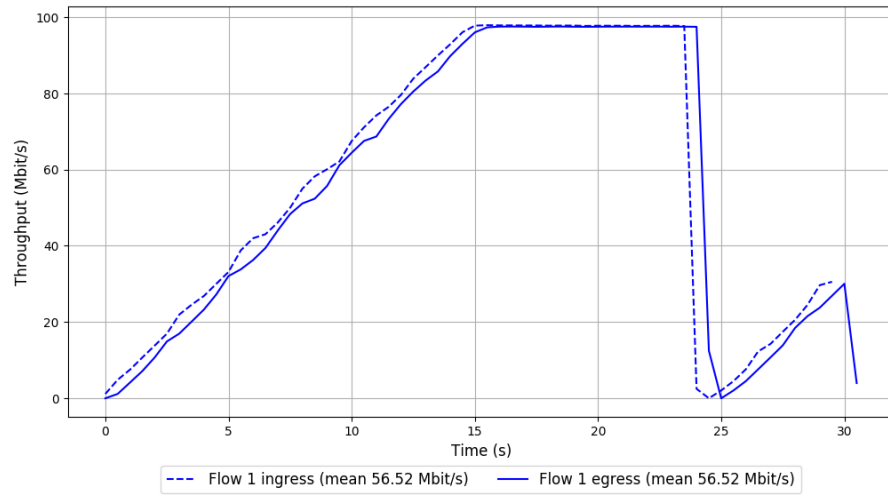
-- Flow 1:

Average throughput: 56.52 Mbit/s

95th percentile per-packet one-way delay: 54.141 ms

Loss rate: 0.03%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-22 00:52:45

End at: 2018-05-22 00:53:15

Local clock offset: 1.716 ms

Remote clock offset: 0.33 ms

Below is generated by plot.py at 2018-05-22 01:20:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.32 Mbit/s

95th percentile per-packet one-way delay: 60.731 ms

Loss rate: 0.00%

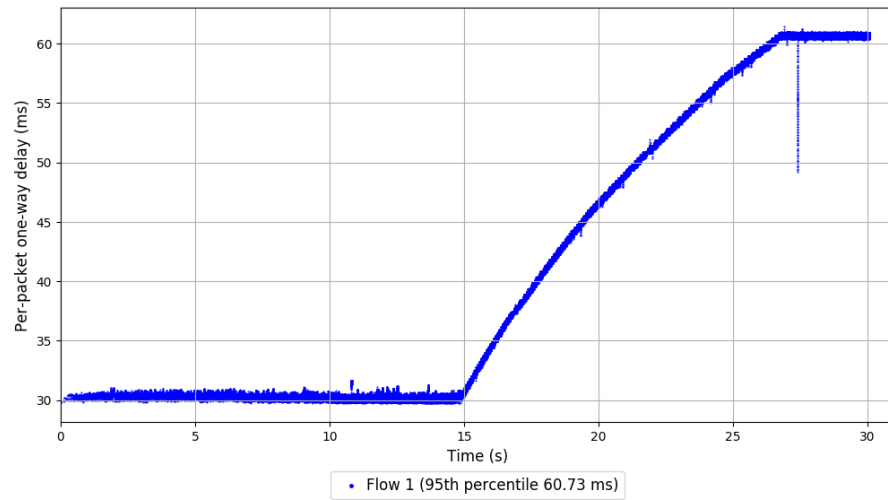
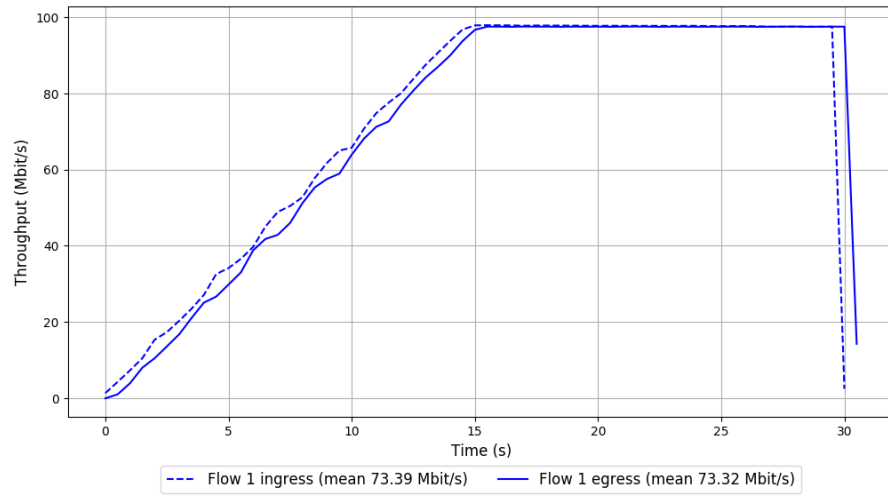
-- Flow 1:

Average throughput: 73.32 Mbit/s

95th percentile per-packet one-way delay: 60.731 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-21 21:42:12

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

Local clock offset: -4.974 ms

Remote clock offset: -2.274 ms

Below is generated by plot.py at 2018-05-22 01:20:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.54 Mbit/s

95th percentile per-packet one-way delay: 47.577 ms

Loss rate: 0.88%

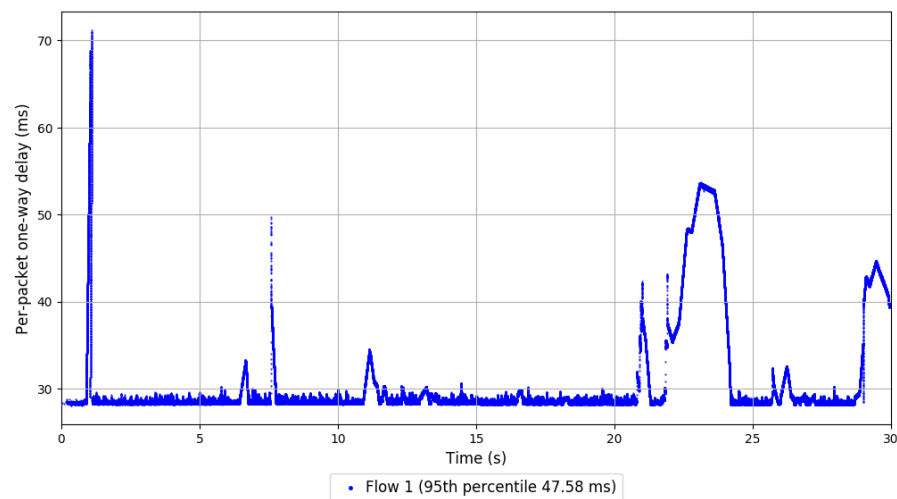
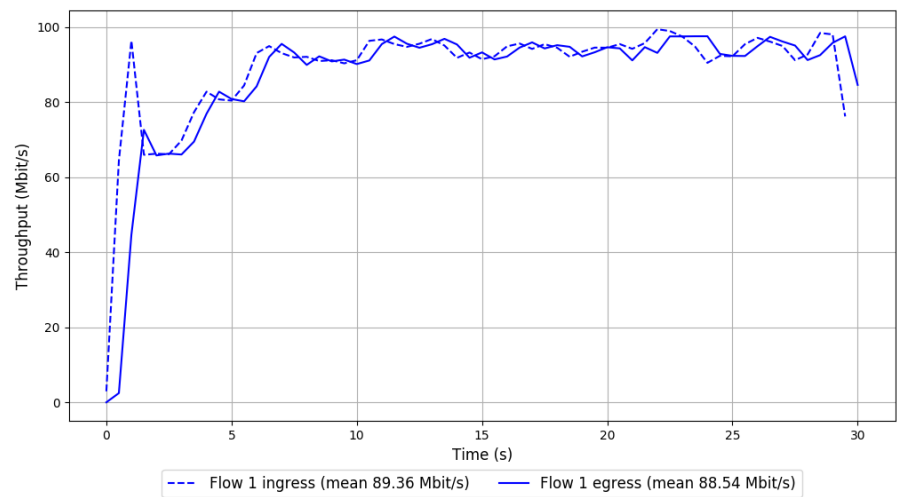
-- Flow 1:

Average throughput: 88.54 Mbit/s

95th percentile per-packet one-way delay: 47.577 ms

Loss rate: 0.88%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-21 22:02:53

End at: 2018-05-21 22:03:23

Local clock offset: -4.68 ms

Remote clock offset: 0.639 ms

Below is generated by plot.py at 2018-05-22 01:20:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.19 Mbit/s

95th percentile per-packet one-way delay: 38.766 ms

Loss rate: 0.75%

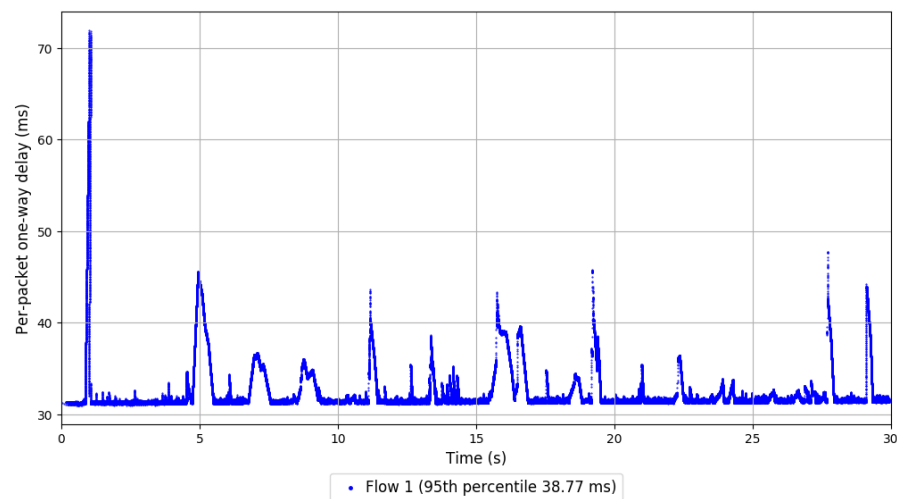
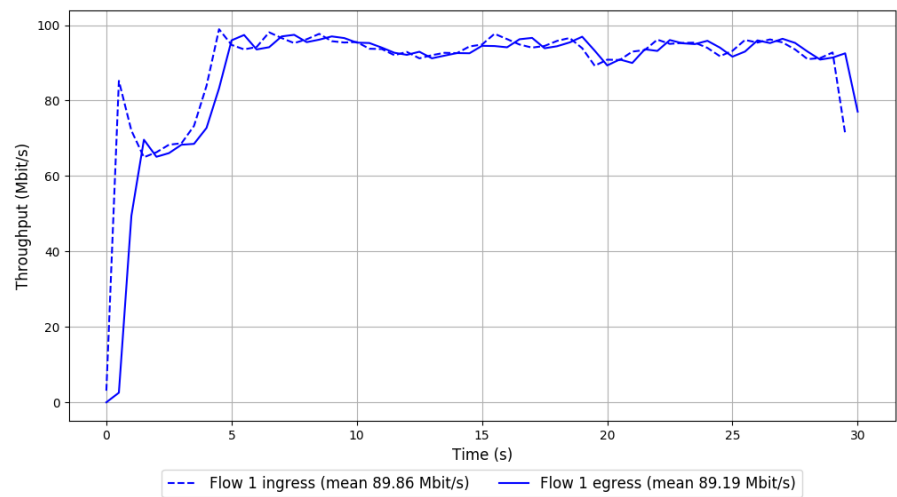
-- Flow 1:

Average throughput: 89.19 Mbit/s

95th percentile per-packet one-way delay: 38.766 ms

Loss rate: 0.75%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-21 22:23:35

End at: 2018-05-21 22:24:05

Local clock offset: -3.39 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-05-22 01:20:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.04 Mbit/s

95th percentile per-packet one-way delay: 34.563 ms

Loss rate: 0.71%

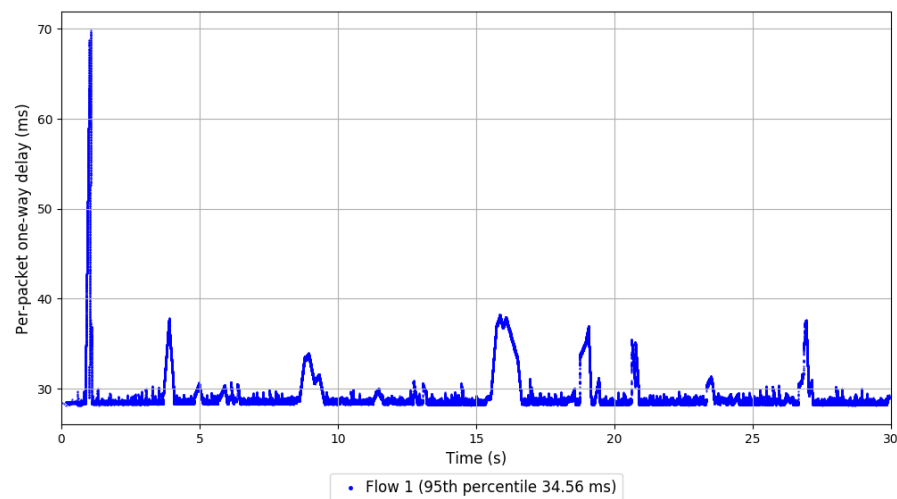
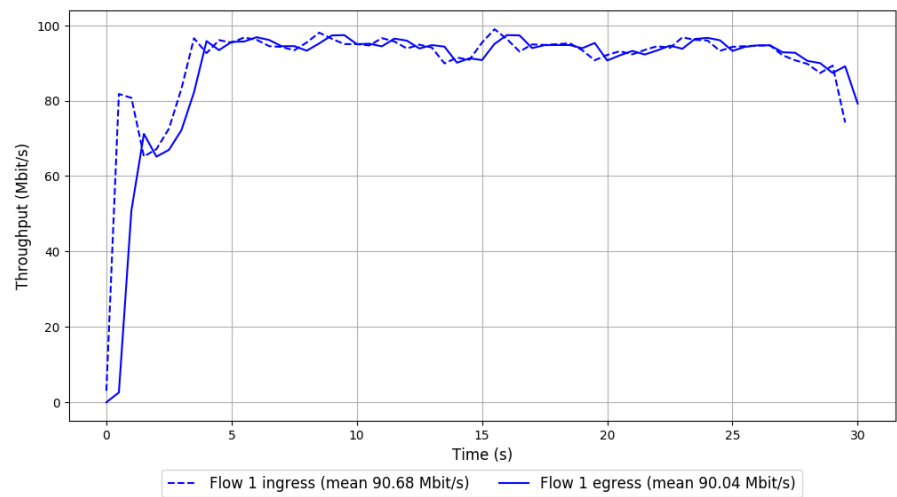
-- Flow 1:

Average throughput: 90.04 Mbit/s

95th percentile per-packet one-way delay: 34.563 ms

Loss rate: 0.71%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-21 22:44:25

End at: 2018-05-21 22:44:55

Local clock offset: -1.13 ms

Remote clock offset: 0.822 ms

Below is generated by plot.py at 2018-05-22 01:20:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.45 Mbit/s

95th percentile per-packet one-way delay: 33.229 ms

Loss rate: 0.56%

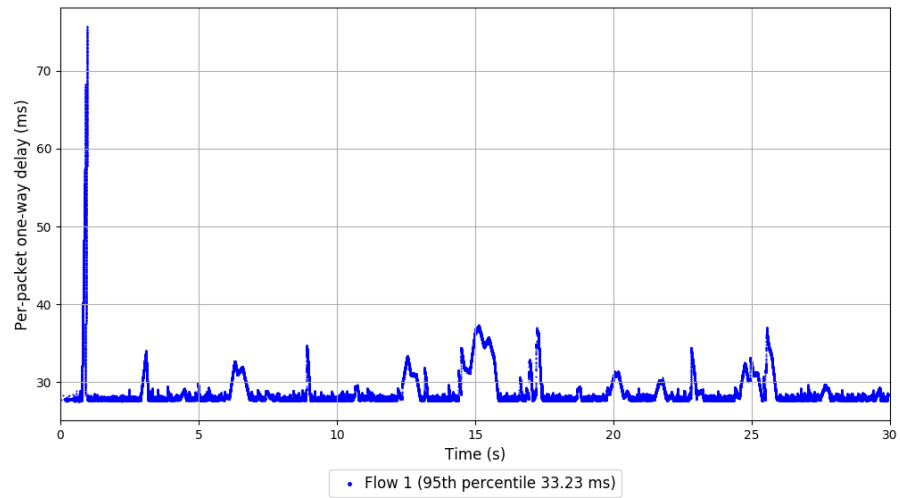
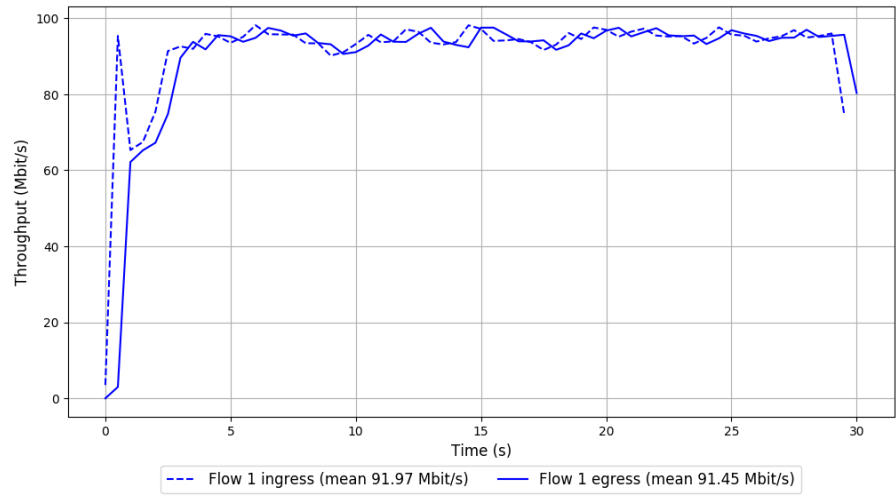
-- Flow 1:

Average throughput: 91.45 Mbit/s

95th percentile per-packet one-way delay: 33.229 ms

Loss rate: 0.56%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-21 23:05:08

End at: 2018-05-21 23:05:38

Local clock offset: -0.521 ms

Remote clock offset: 3.911 ms

Below is generated by plot.py at 2018-05-22 01:21:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.99 Mbit/s

95th percentile per-packet one-way delay: 33.886 ms

Loss rate: 0.65%

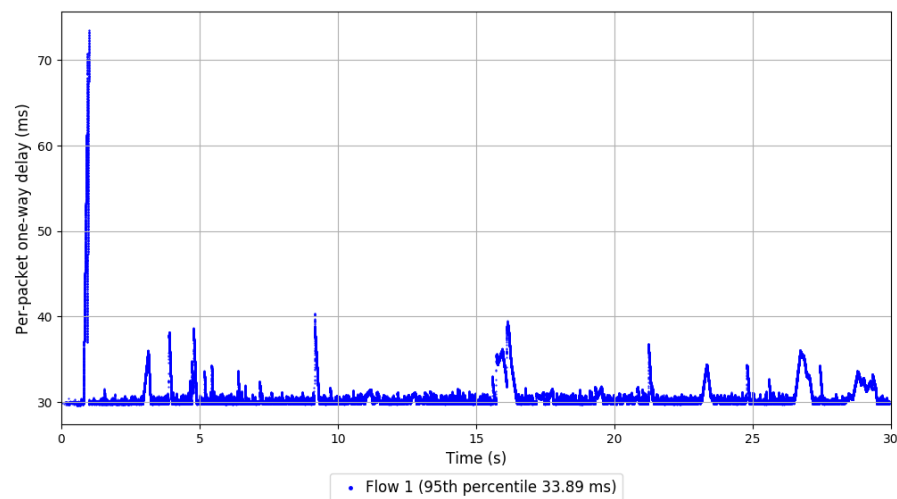
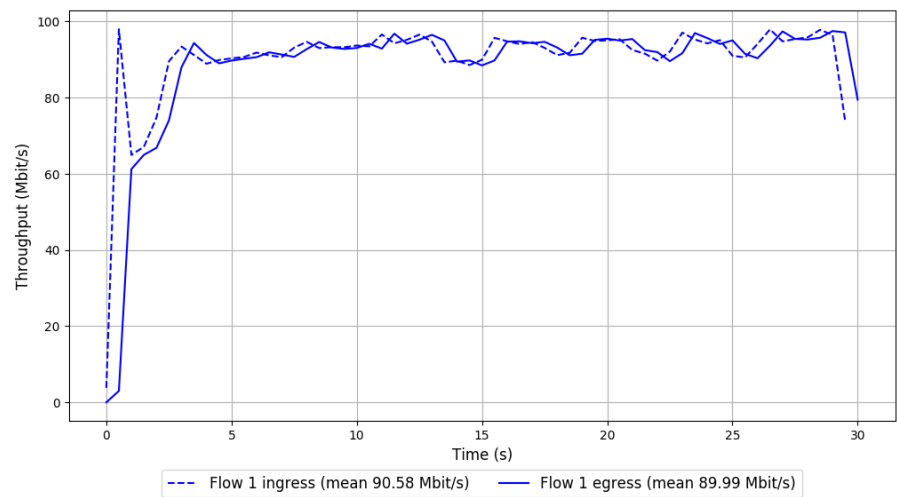
-- Flow 1:

Average throughput: 89.99 Mbit/s

95th percentile per-packet one-way delay: 33.886 ms

Loss rate: 0.65%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-21 23:25:55

End at: 2018-05-21 23:26:25

Local clock offset: -0.791 ms

Remote clock offset: 0.626 ms

Below is generated by plot.py at 2018-05-22 01:21:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.72 Mbit/s

95th percentile per-packet one-way delay: 33.097 ms

Loss rate: 0.58%

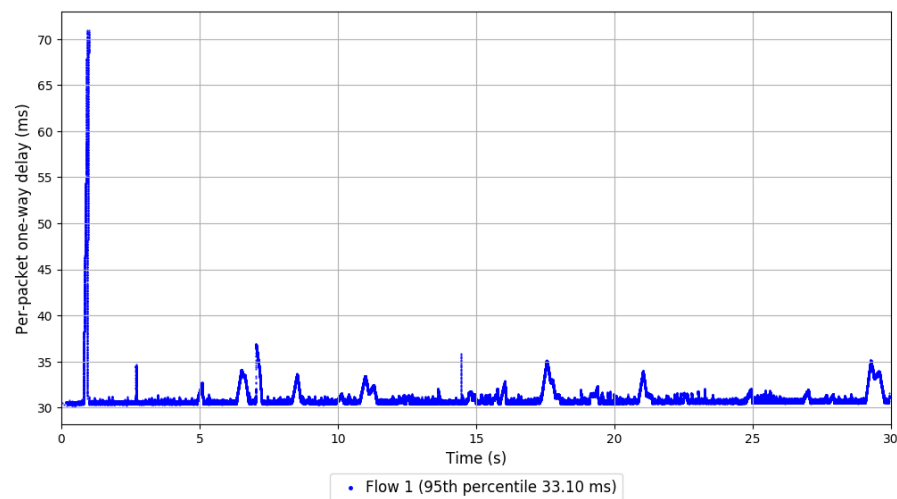
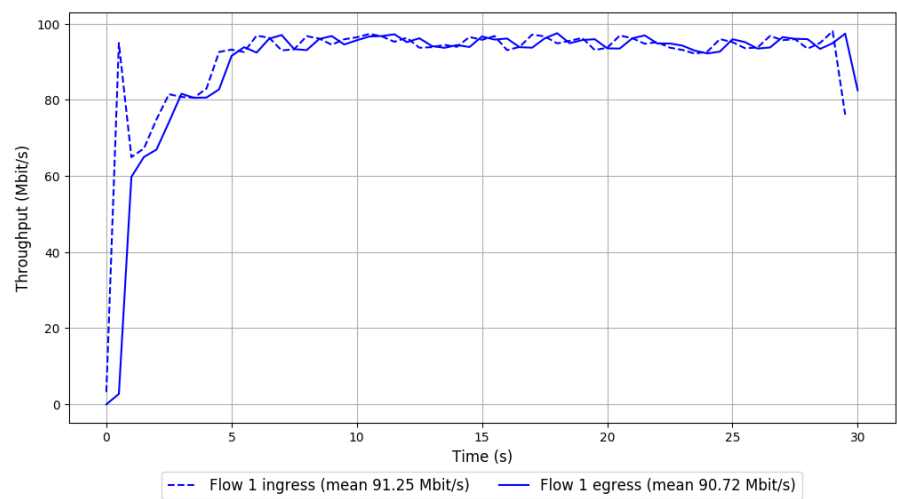
-- Flow 1:

Average throughput: 90.72 Mbit/s

95th percentile per-packet one-way delay: 33.097 ms

Loss rate: 0.58%

Run 6: Report of PCC-Allegro — Data Link

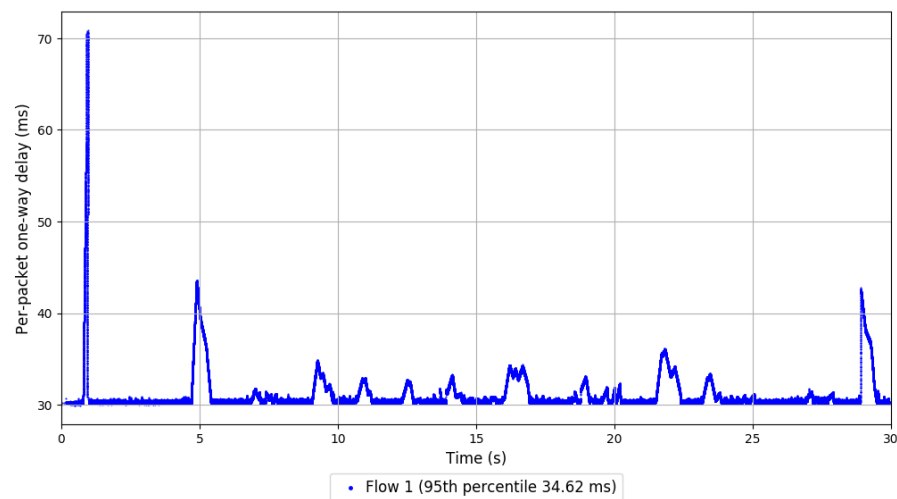
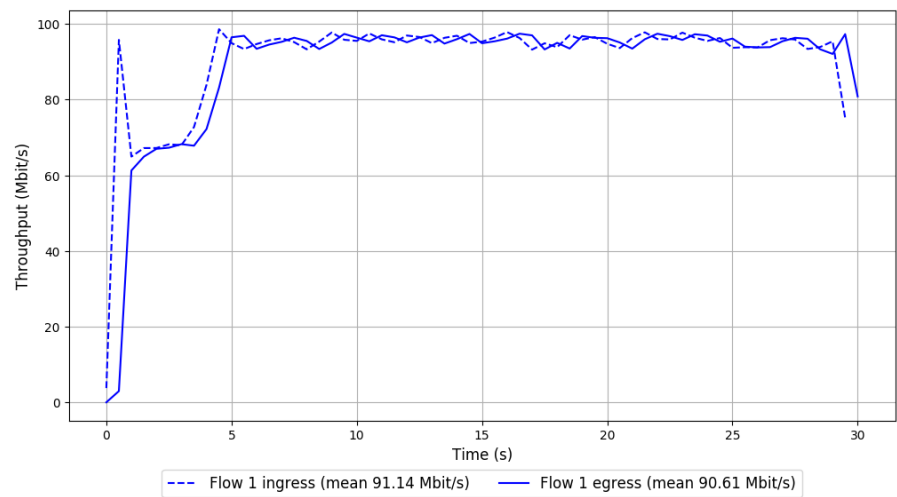


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-21 23:46:49
End at: 2018-05-21 23:47:19
Local clock offset: -0.108 ms
Remote clock offset: -0.485 ms

Below is generated by plot.py at 2018-05-22 01:21:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: 34.624 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: 34.624 ms
Loss rate: 0.58%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-22 00:07:36

End at: 2018-05-22 00:08:06

Local clock offset: 0.126 ms

Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-05-22 01:21:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.04 Mbit/s

95th percentile per-packet one-way delay: 36.118 ms

Loss rate: 0.68%

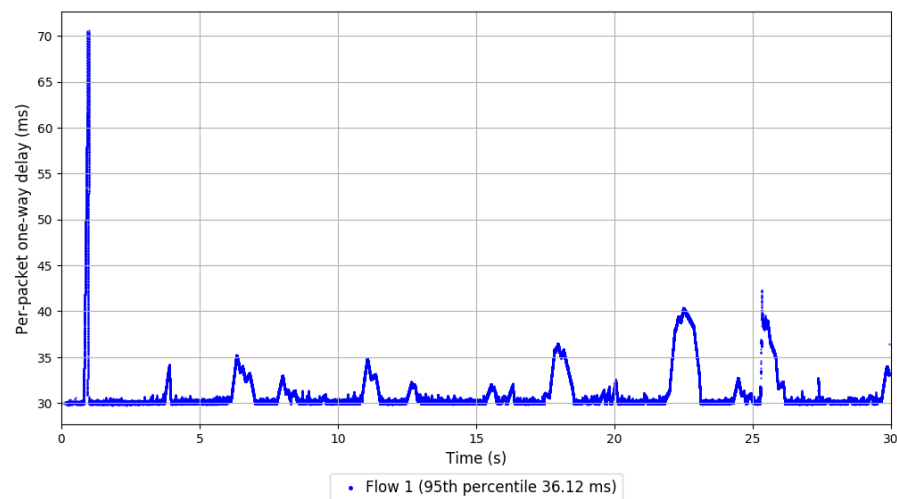
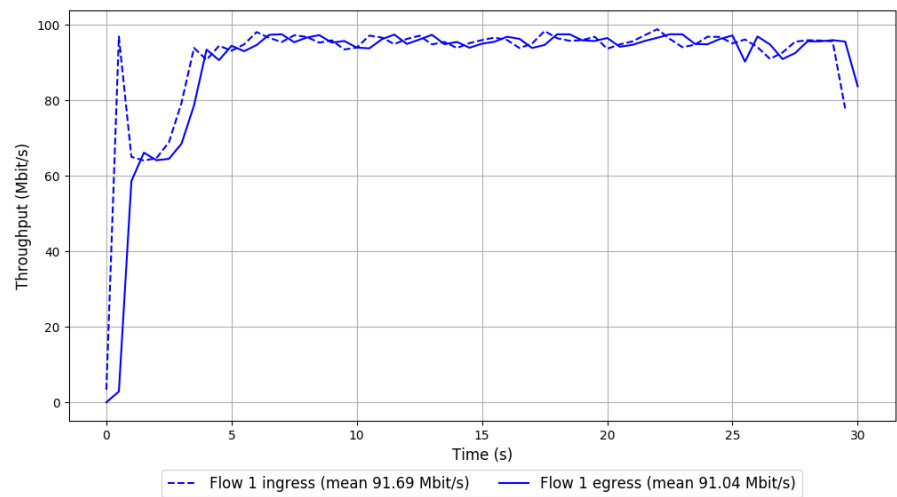
-- Flow 1:

Average throughput: 91.04 Mbit/s

95th percentile per-packet one-way delay: 36.118 ms

Loss rate: 0.68%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-22 00:28:24

End at: 2018-05-22 00:28:54

Local clock offset: 0.323 ms

Remote clock offset: -1.911 ms

Below is generated by plot.py at 2018-05-22 01:21:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.29 Mbit/s

95th percentile per-packet one-way delay: 33.281 ms

Loss rate: 0.67%

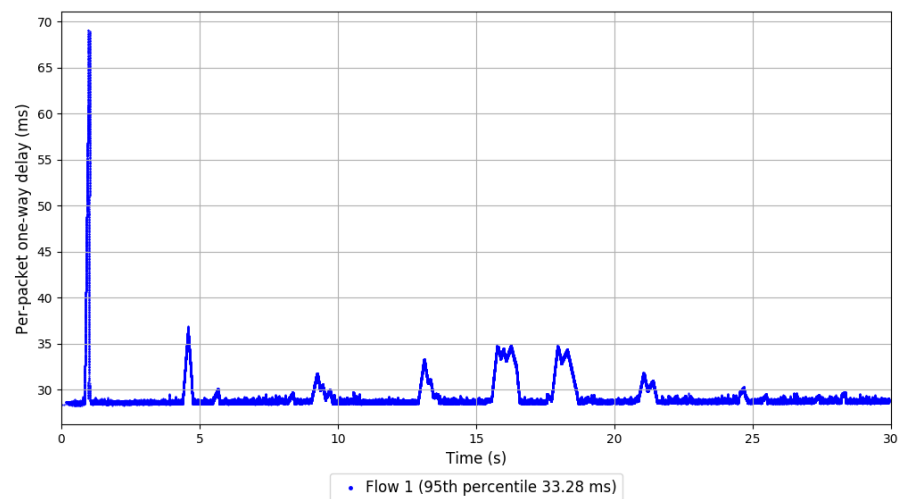
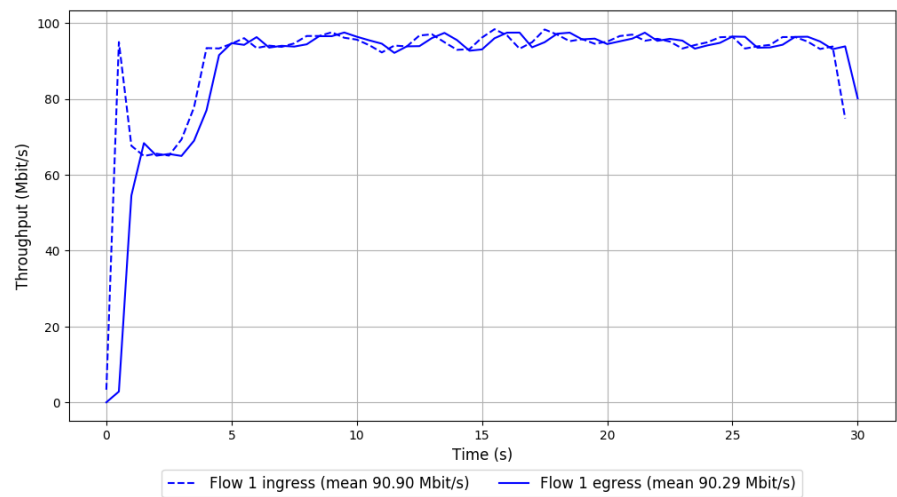
-- Flow 1:

Average throughput: 90.29 Mbit/s

95th percentile per-packet one-way delay: 33.281 ms

Loss rate: 0.67%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-22 00:50:01

End at: 2018-05-22 00:50:31

Local clock offset: 1.655 ms

Remote clock offset: 0.33 ms

Below is generated by plot.py at 2018-05-22 01:21:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.69 Mbit/s

95th percentile per-packet one-way delay: 35.711 ms

Loss rate: 0.64%

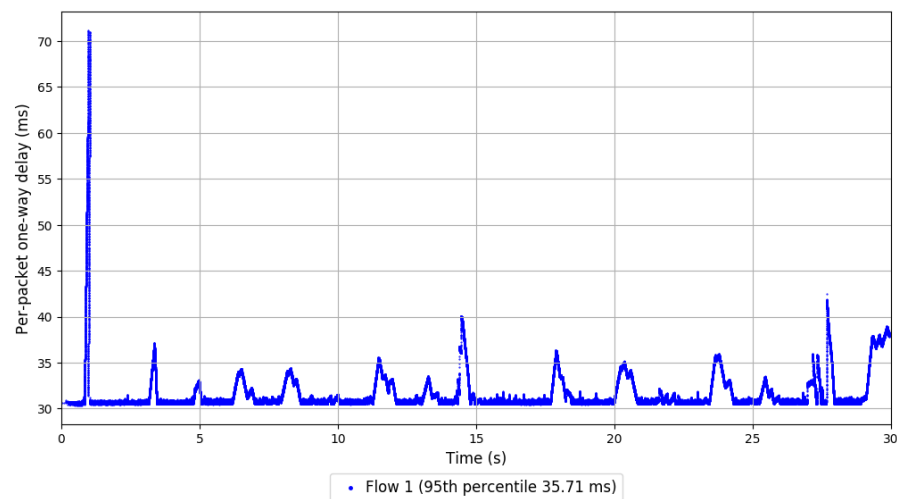
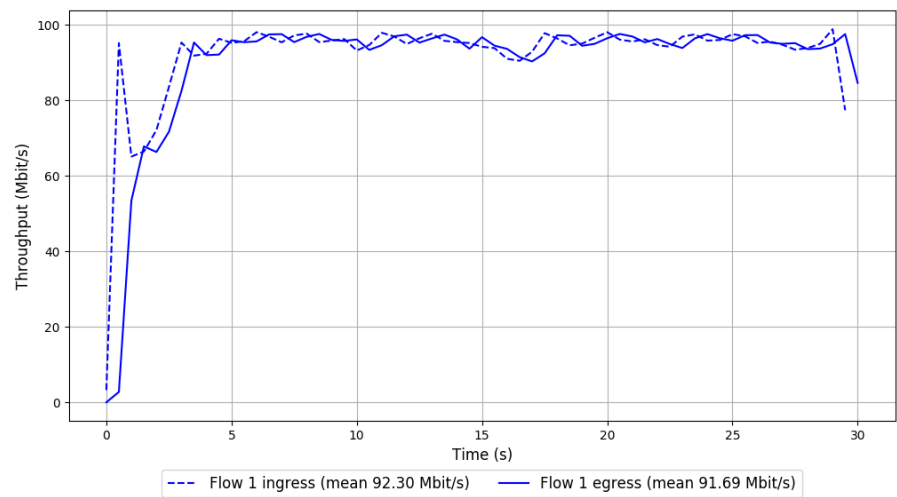
-- Flow 1:

Average throughput: 91.69 Mbit/s

95th percentile per-packet one-way delay: 35.711 ms

Loss rate: 0.64%

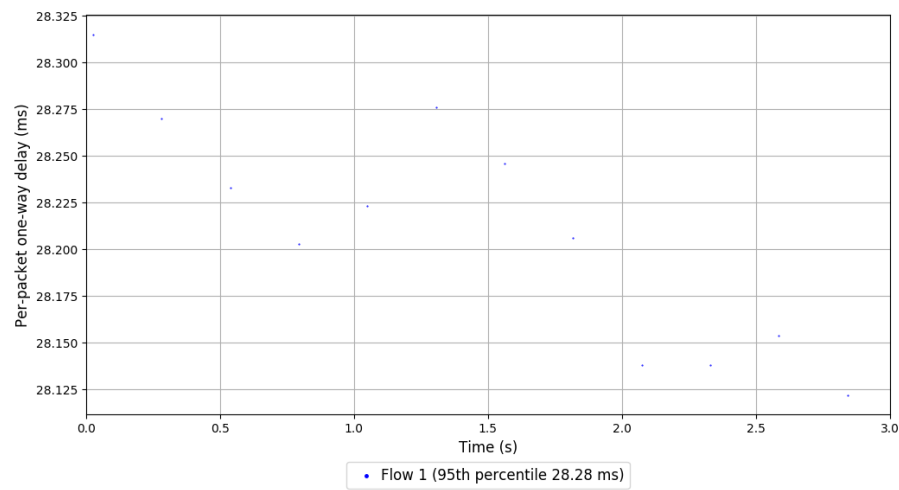
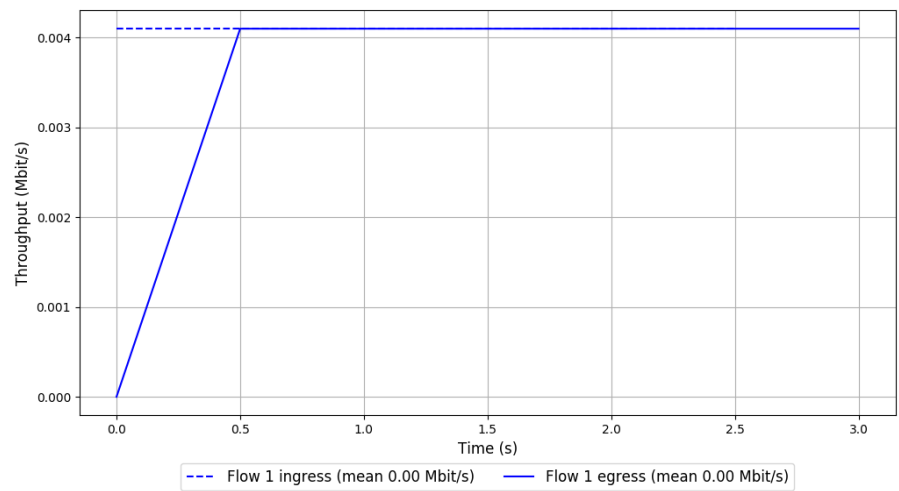
Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-05-21 21:55:12
End at: 2018-05-21 21:55:42
Local clock offset: -8.429 ms
Remote clock offset: -2.045 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

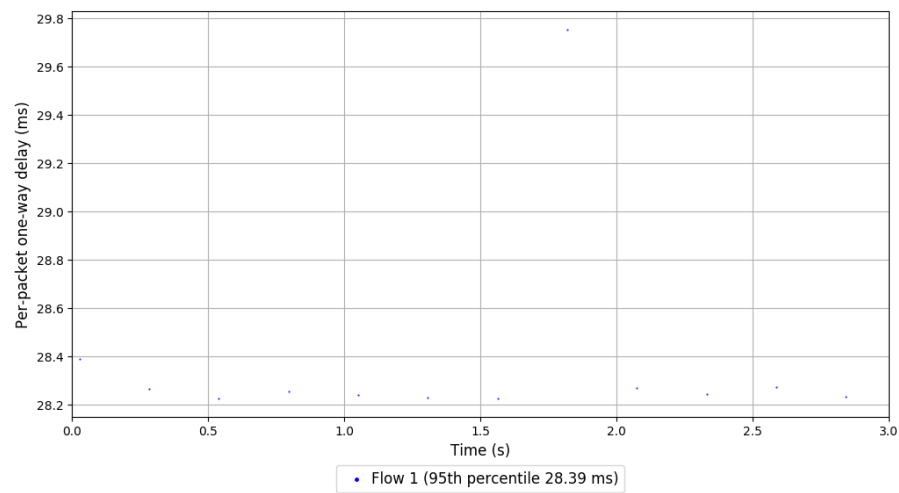
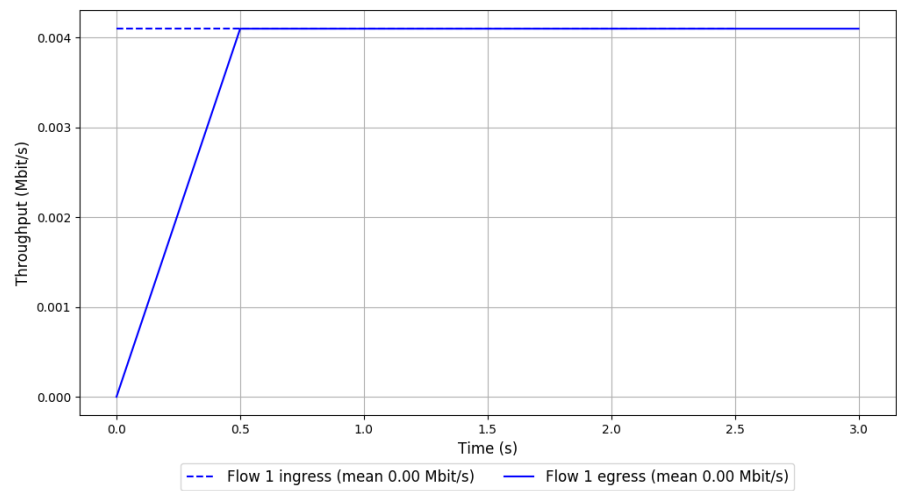
Start at: 2018-05-21 22:15:52

End at: 2018-05-21 22:16:22

Local clock offset: -2.778 ms

Remote clock offset: -0.703 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

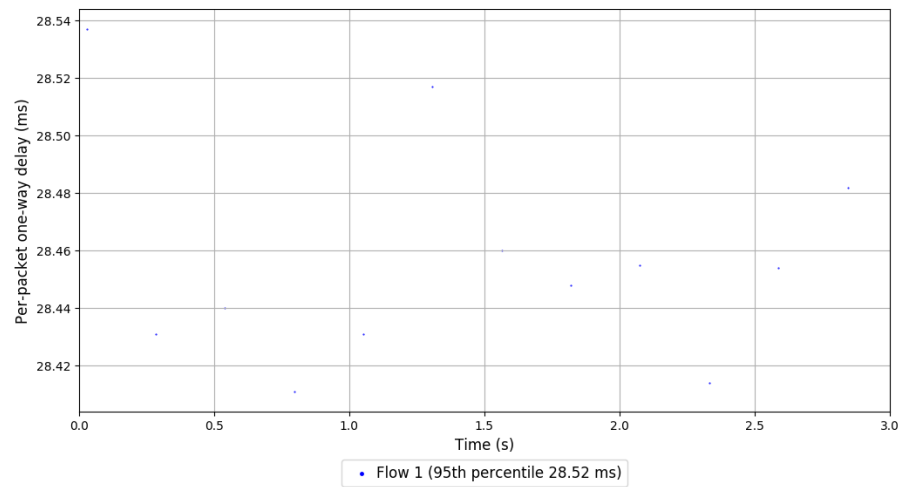
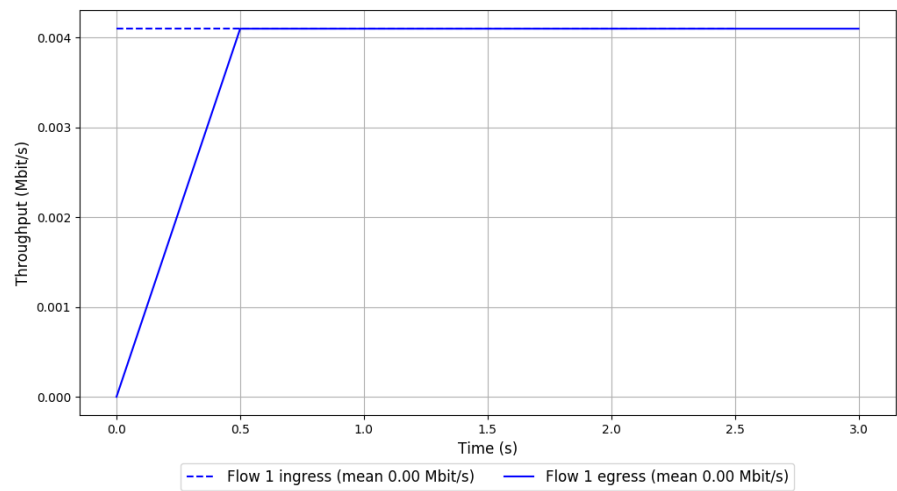
Start at: 2018-05-21 22:36:42

End at: 2018-05-21 22:37:13

Local clock offset: -1.446 ms

Remote clock offset: 0.445 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

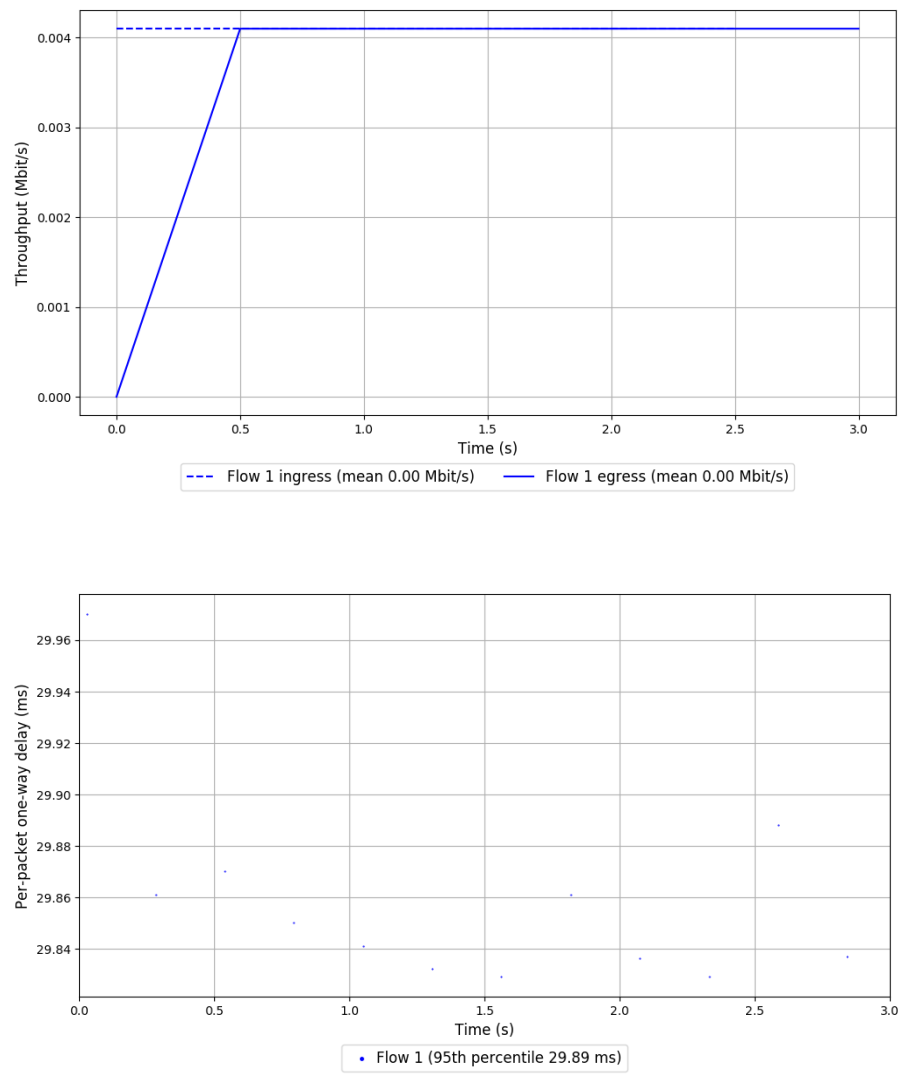
Start at: 2018-05-21 22:57:25

End at: 2018-05-21 22:57:55

Local clock offset: -1.599 ms

Remote clock offset: 3.546 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

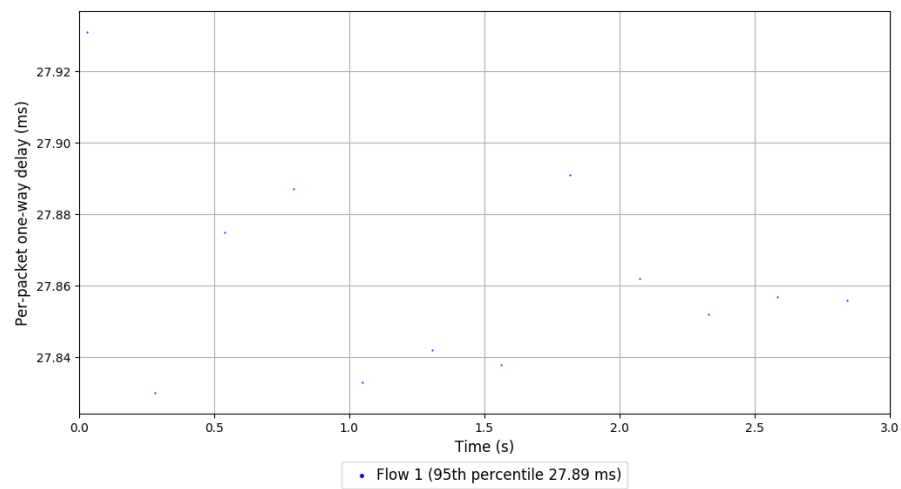
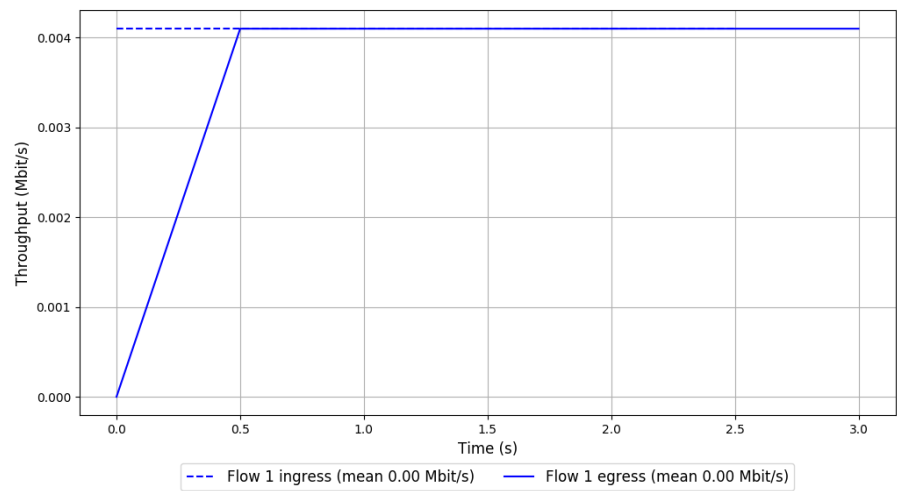
Start at: 2018-05-21 23:18:11

End at: 2018-05-21 23:18:41

Local clock offset: -0.379 ms

Remote clock offset: 1.165 ms

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

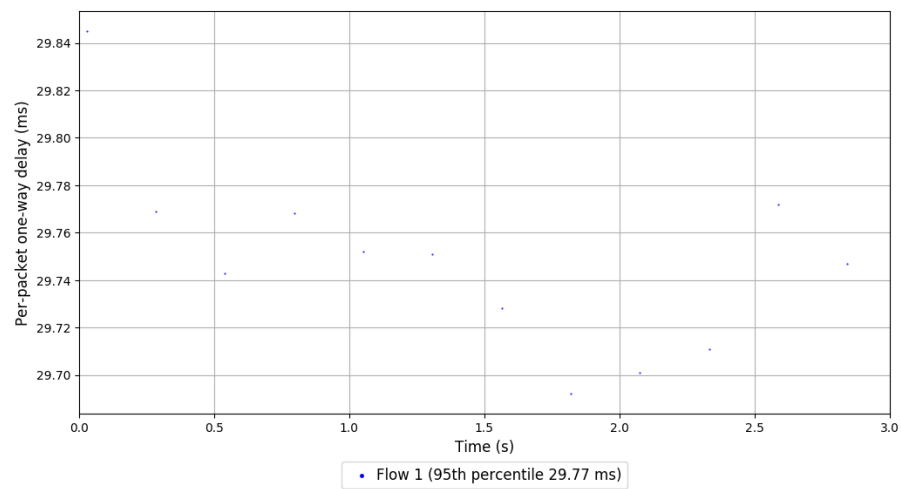
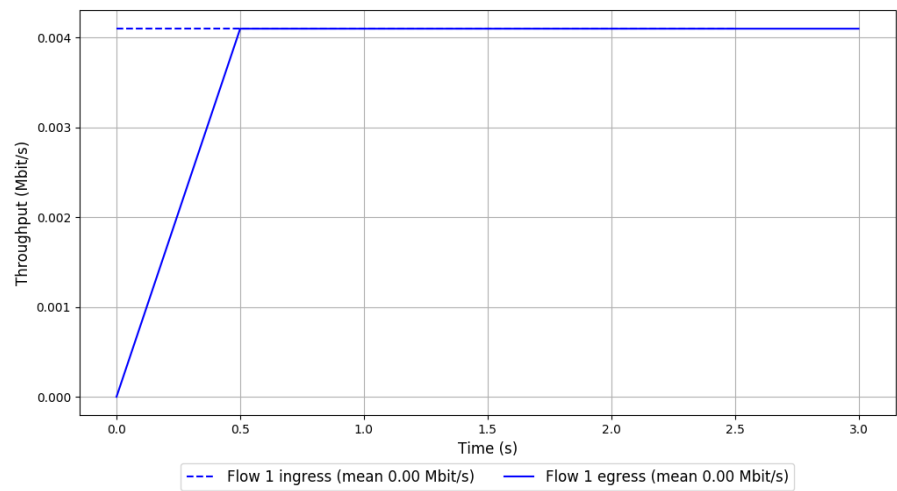
Start at: 2018-05-21 23:39:03

End at: 2018-05-21 23:39:33

Local clock offset: 0.031 ms

Remote clock offset: -0.726 ms

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

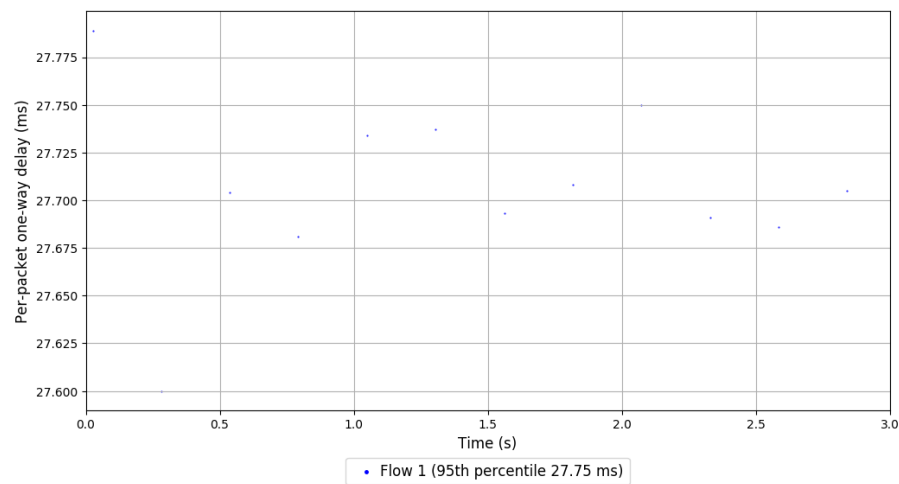
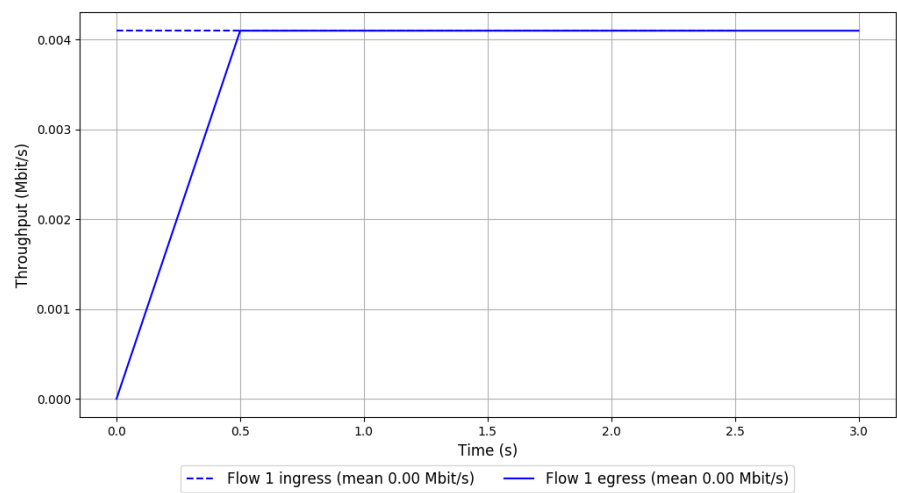
Start at: 2018-05-21 23:59:54

End at: 2018-05-22 00:00:24

Local clock offset: -0.247 ms

Remote clock offset: -2.546 ms

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

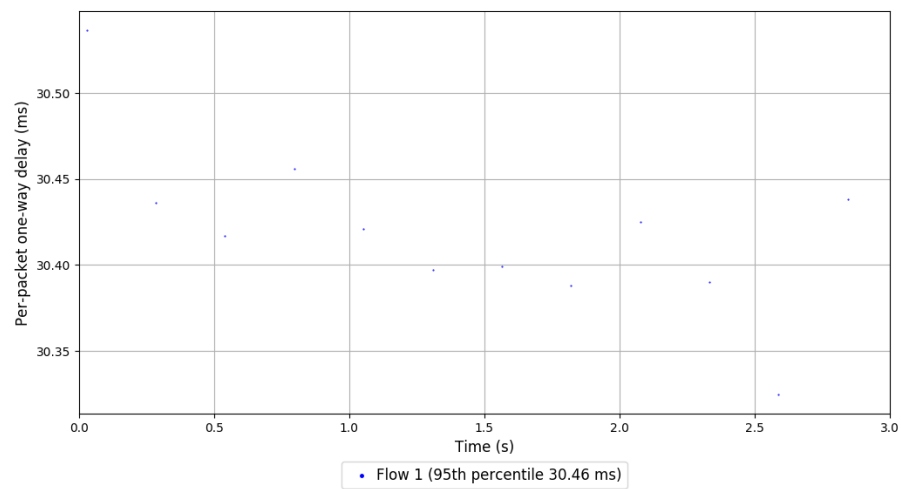
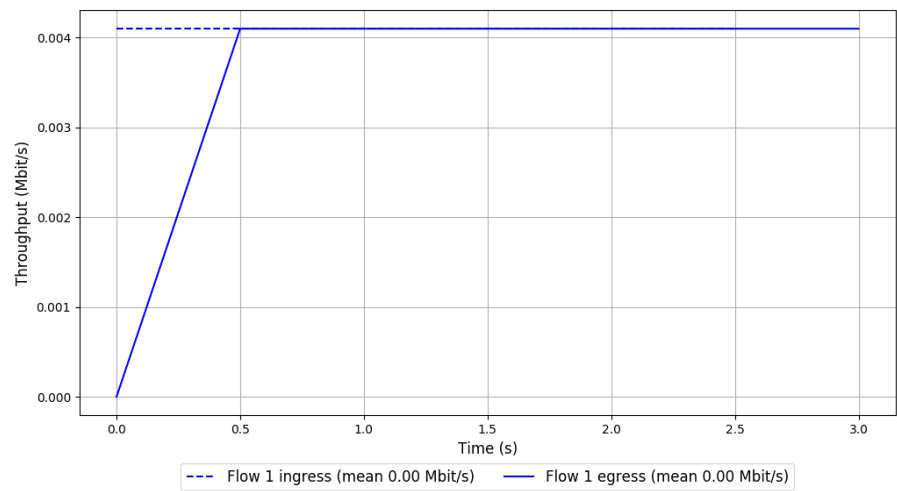
Start at: 2018-05-22 00:20:36

End at: 2018-05-22 00:21:06

Local clock offset: 0.137 ms

Remote clock offset: 0.134 ms

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

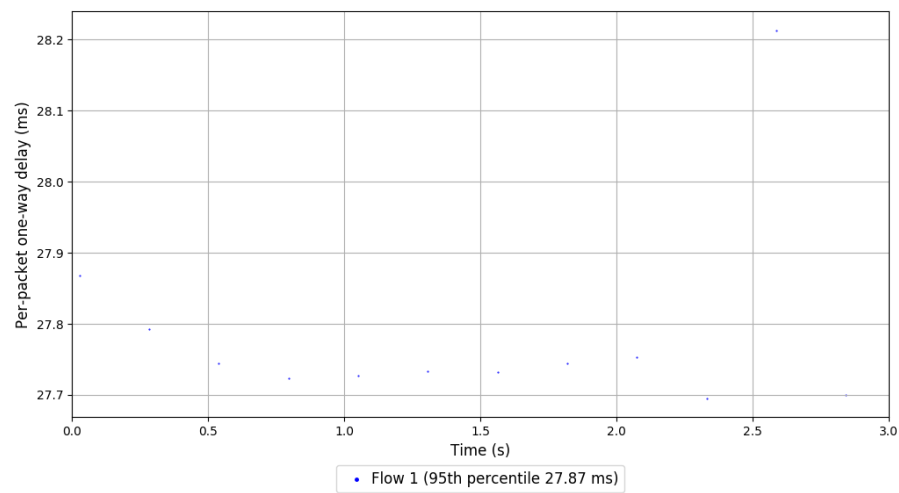
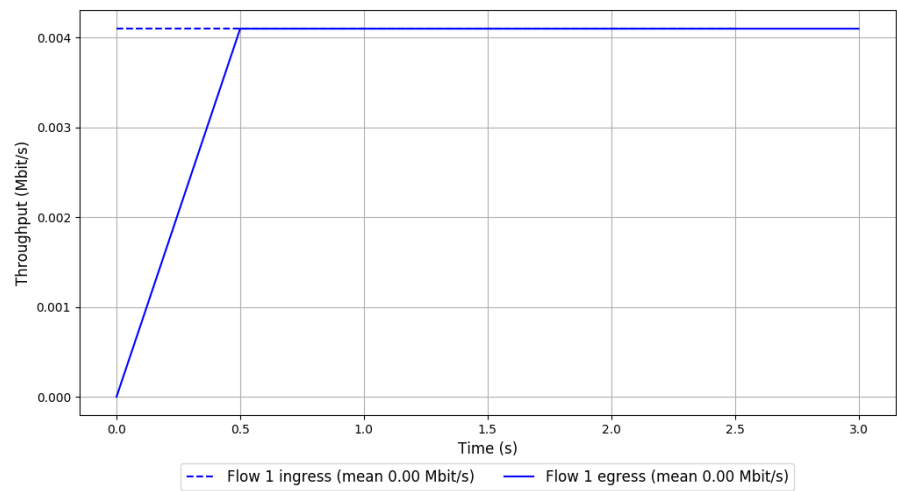
Start at: 2018-05-22 00:42:01

End at: 2018-05-22 00:42:31

Local clock offset: 1.437 ms

Remote clock offset: -1.874 ms

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

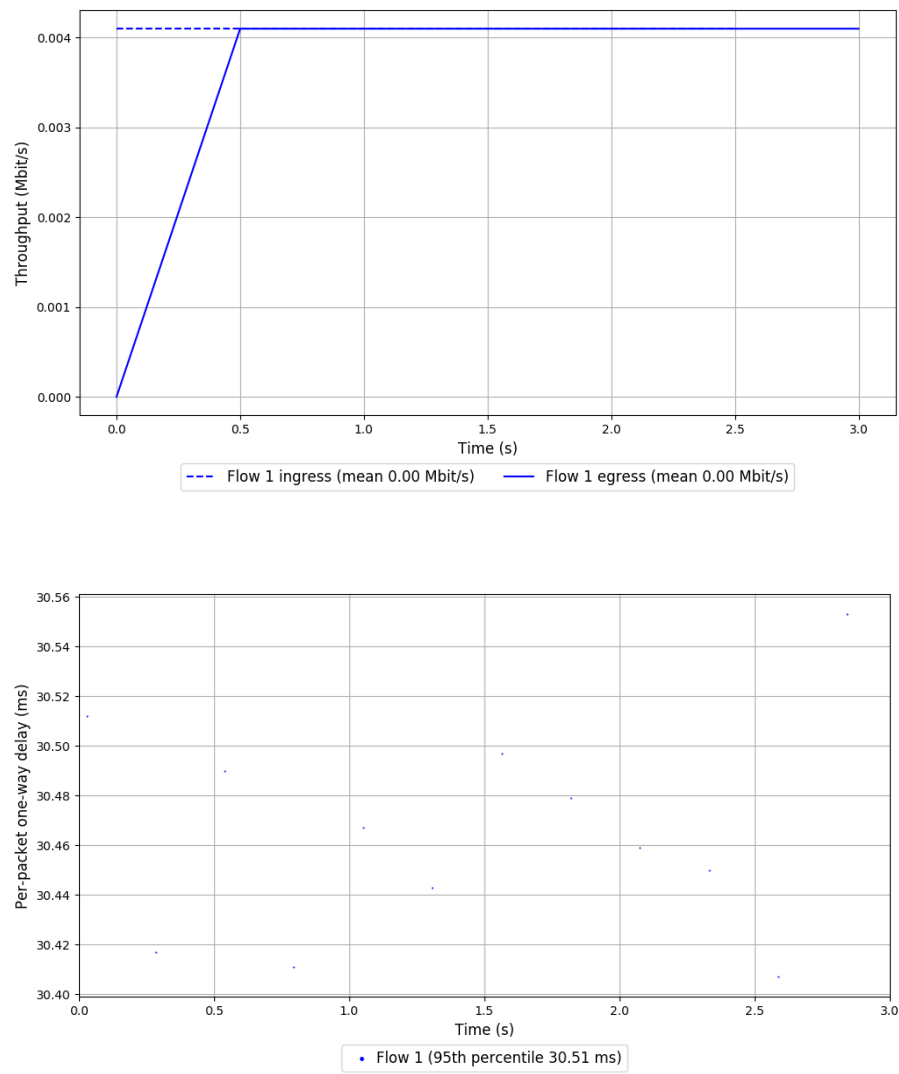
Start at: 2018-05-22 01:03:18

End at: 2018-05-22 01:03:48

Local clock offset: 1.378 ms

Remote clock offset: 0.348 ms

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-05-21 21:53:54

End at: 2018-05-21 21:54:24

Local clock offset: -8.109 ms

Remote clock offset: -0.05 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 52.864 ms

Loss rate: 0.92%

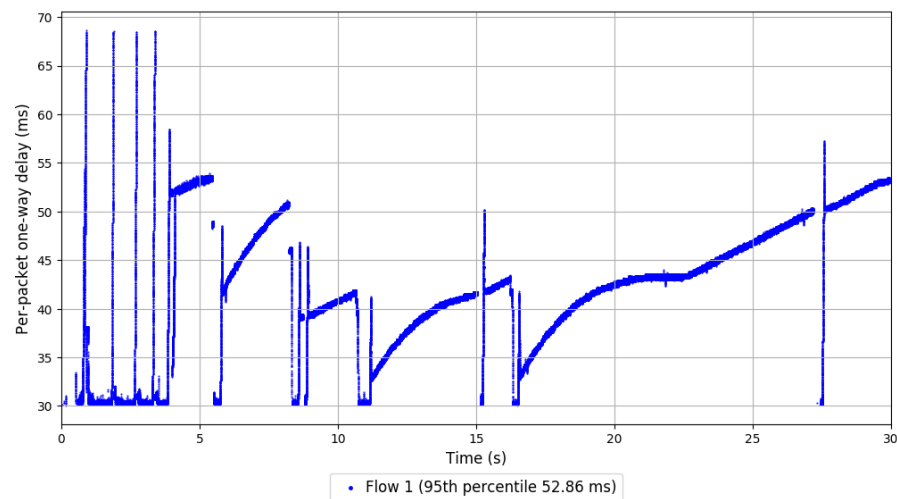
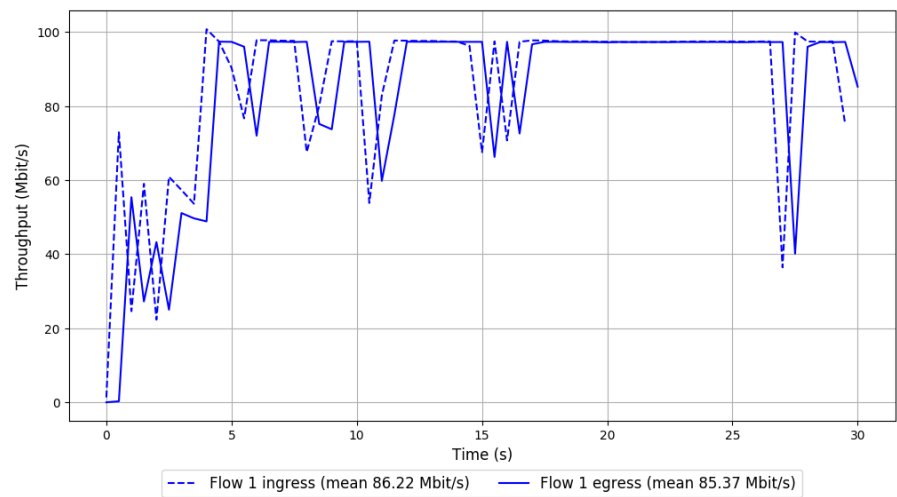
-- Flow 1:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 52.864 ms

Loss rate: 0.92%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-21 22:14:34

End at: 2018-05-21 22:15:04

Local clock offset: -2.773 ms

Remote clock offset: 1.7 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.45 Mbit/s

95th percentile per-packet one-way delay: 58.036 ms

Loss rate: 1.14%

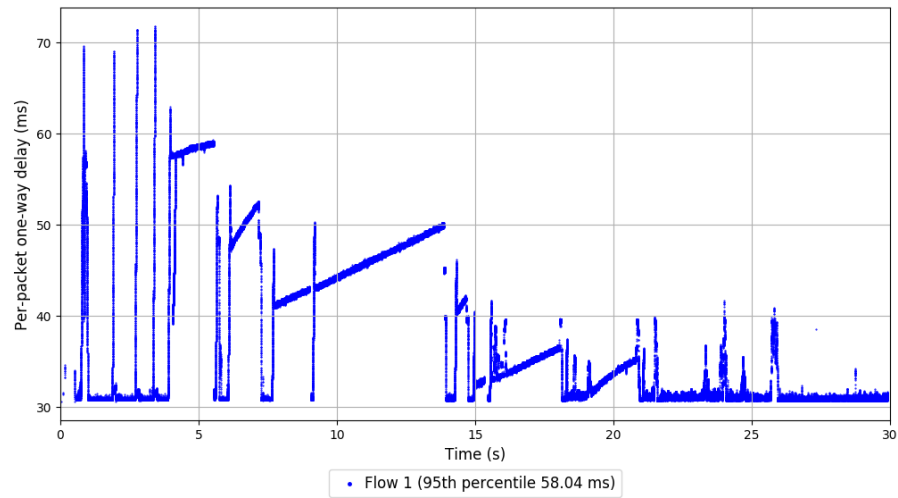
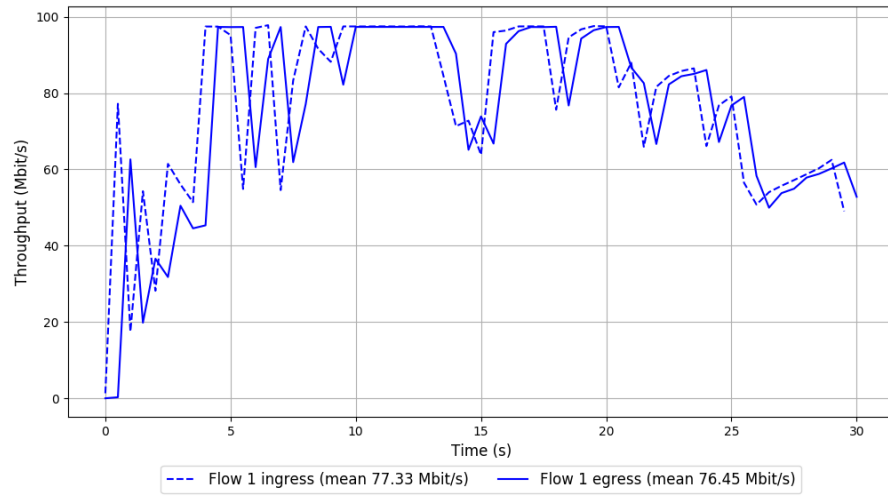
-- Flow 1:

Average throughput: 76.45 Mbit/s

95th percentile per-packet one-way delay: 58.036 ms

Loss rate: 1.14%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-21 22:35:24

End at: 2018-05-21 22:35:54

Local clock offset: -1.52 ms

Remote clock offset: 2.487 ms

Below is generated by plot.py at 2018-05-22 01:22:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.87 Mbit/s

95th percentile per-packet one-way delay: 59.905 ms

Loss rate: 1.07%

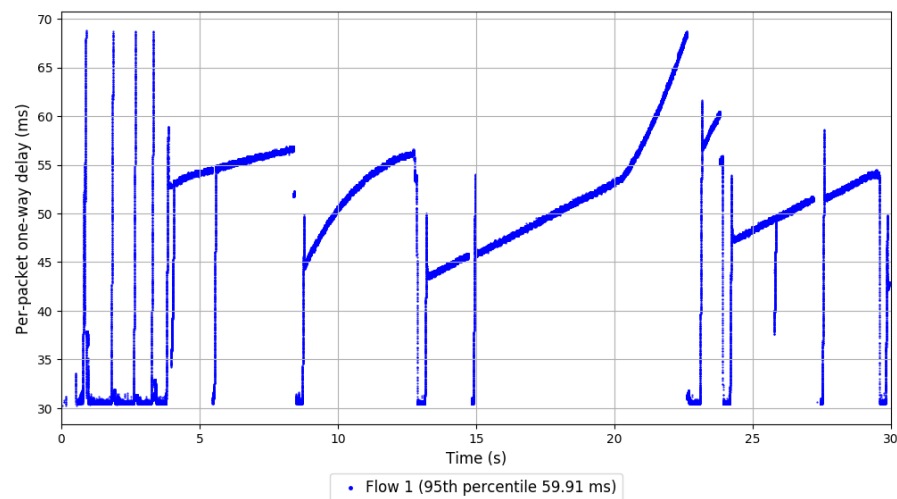
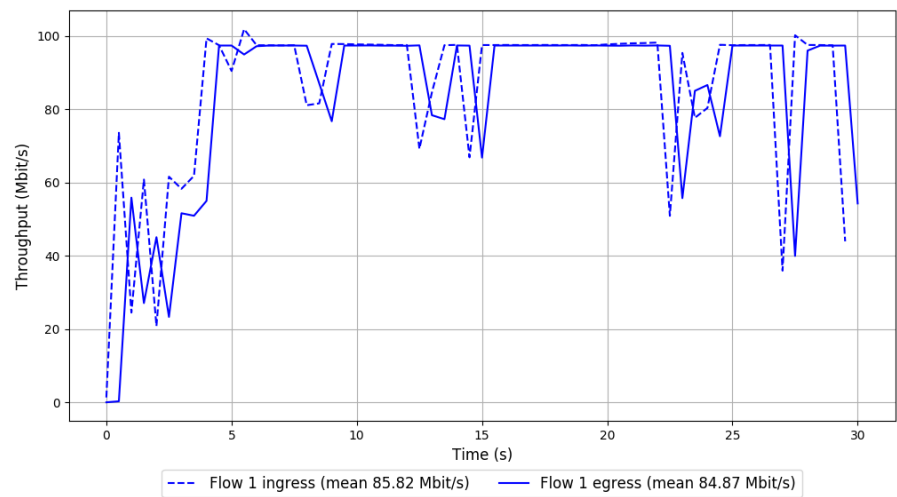
-- Flow 1:

Average throughput: 84.87 Mbit/s

95th percentile per-packet one-way delay: 59.905 ms

Loss rate: 1.07%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-21 22:56:06

End at: 2018-05-21 22:56:36

Local clock offset: -1.691 ms

Remote clock offset: 3.929 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.41 Mbit/s

95th percentile per-packet one-way delay: 59.037 ms

Loss rate: 0.90%

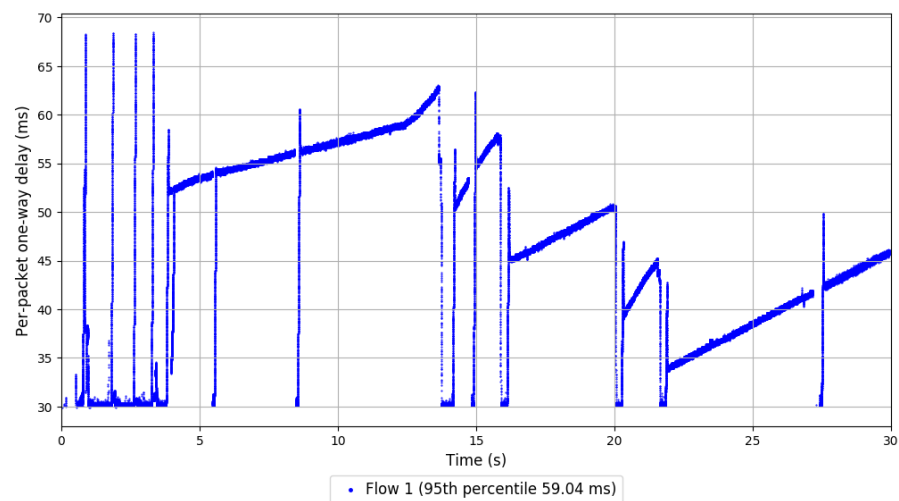
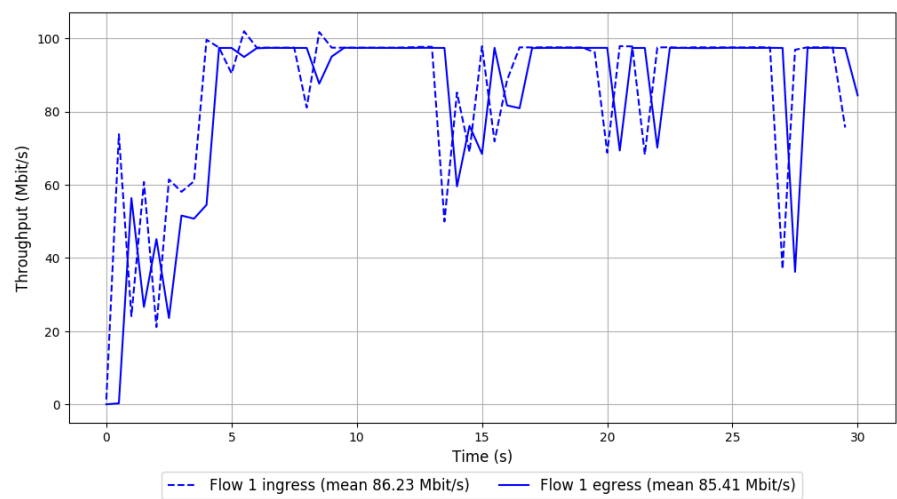
-- Flow 1:

Average throughput: 85.41 Mbit/s

95th percentile per-packet one-way delay: 59.037 ms

Loss rate: 0.90%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-21 23:16:53

End at: 2018-05-21 23:17:23

Local clock offset: -0.445 ms

Remote clock offset: 1.646 ms

Below is generated by plot.py at 2018-05-22 01:22:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.36 Mbit/s

95th percentile per-packet one-way delay: 63.416 ms

Loss rate: 1.06%

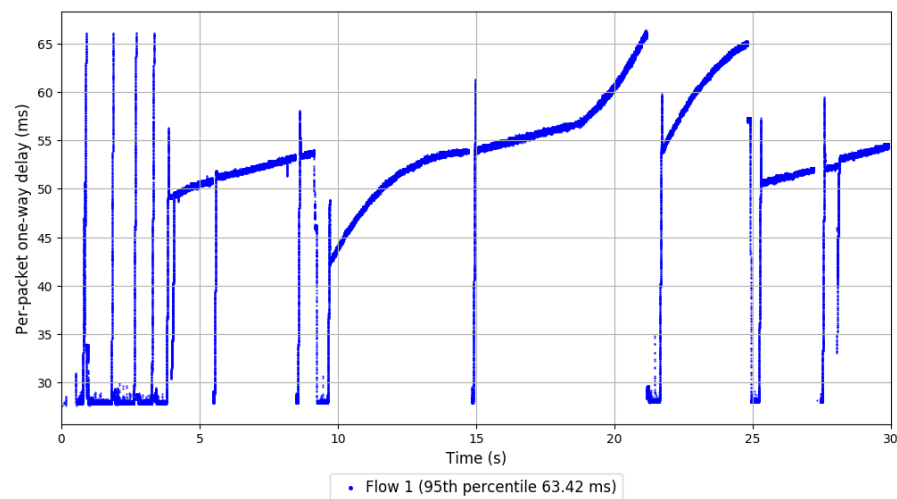
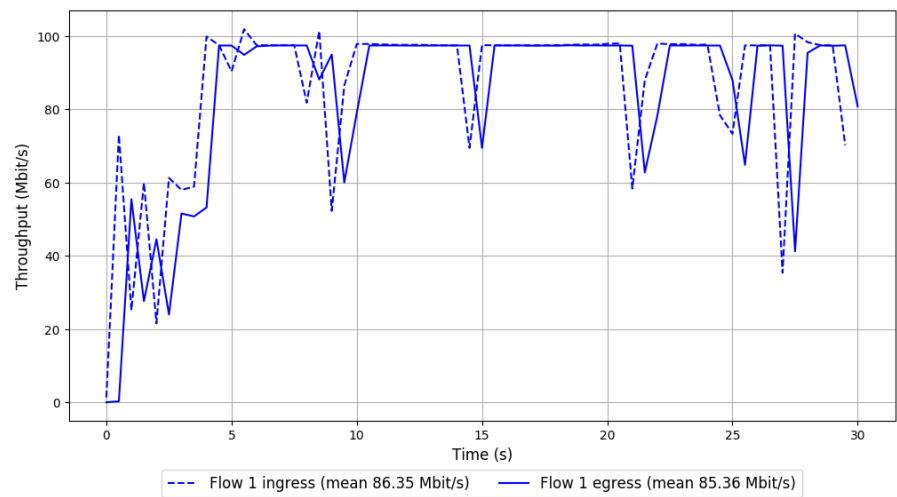
-- Flow 1:

Average throughput: 85.36 Mbit/s

95th percentile per-packet one-way delay: 63.416 ms

Loss rate: 1.06%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-21 23:37:44

End at: 2018-05-21 23:38:14

Local clock offset: -0.066 ms

Remote clock offset: -0.707 ms

Below is generated by plot.py at 2018-05-22 01:22:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.96 Mbit/s

95th percentile per-packet one-way delay: 65.177 ms

Loss rate: 1.05%

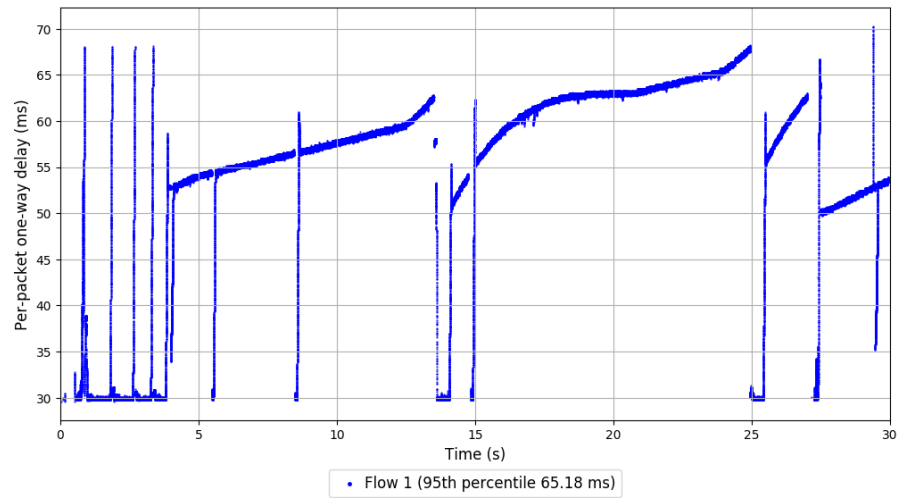
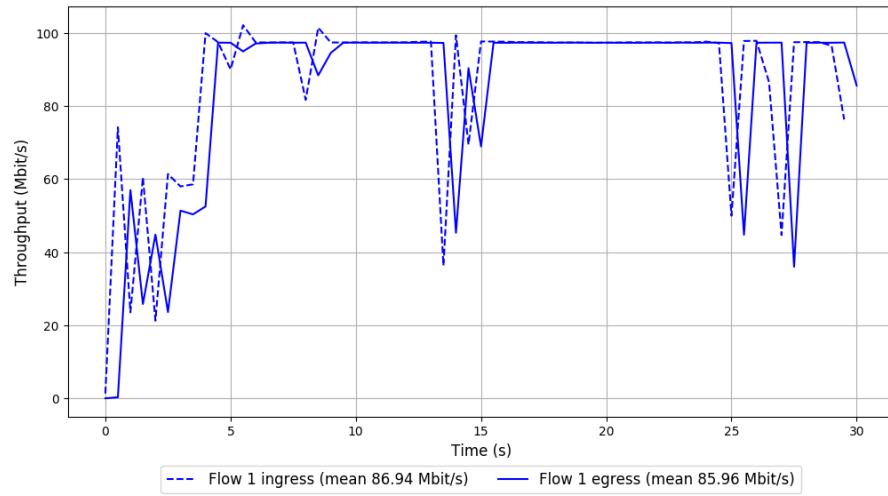
-- Flow 1:

Average throughput: 85.96 Mbit/s

95th percentile per-packet one-way delay: 65.177 ms

Loss rate: 1.05%

Run 6: Report of QUIC Cubic — Data Link

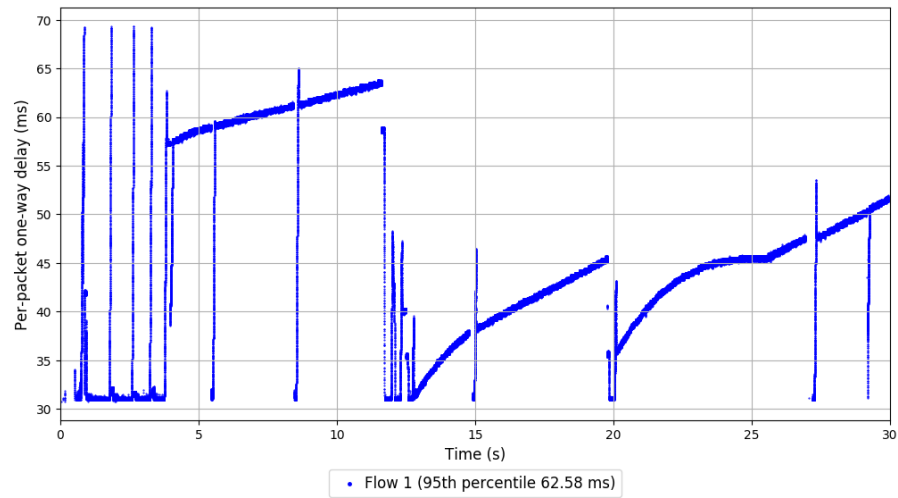
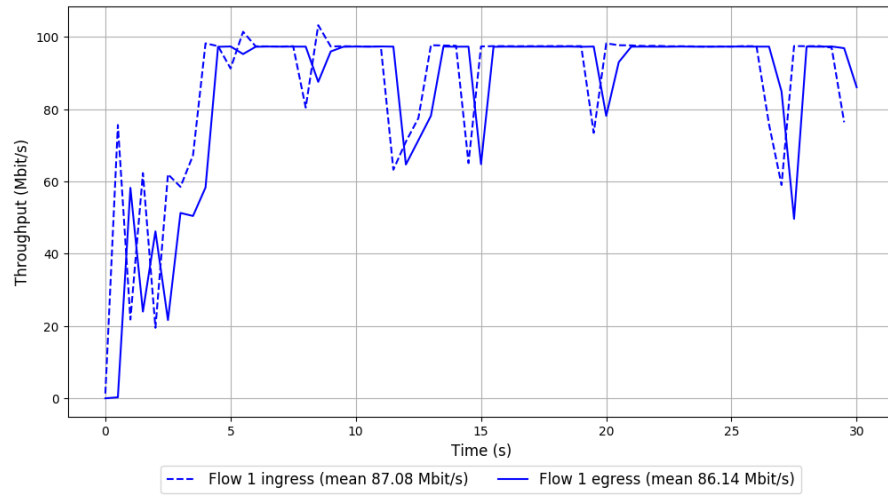


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-21 23:58:36
End at: 2018-05-21 23:59:06
Local clock offset: -0.375 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-22 01:23:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.14 Mbit/s
95th percentile per-packet one-way delay: 62.579 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 86.14 Mbit/s
95th percentile per-packet one-way delay: 62.579 ms
Loss rate: 1.02%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-22 00:19:17

End at: 2018-05-22 00:19:47

Local clock offset: 0.169 ms

Remote clock offset: -2.081 ms

Below is generated by plot.py at 2018-05-22 01:23:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.52 Mbit/s

95th percentile per-packet one-way delay: 65.679 ms

Loss rate: 1.33%

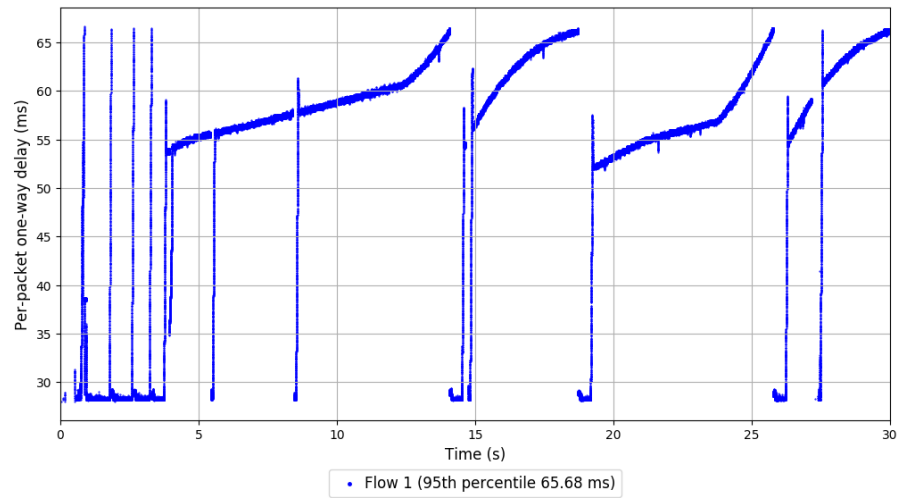
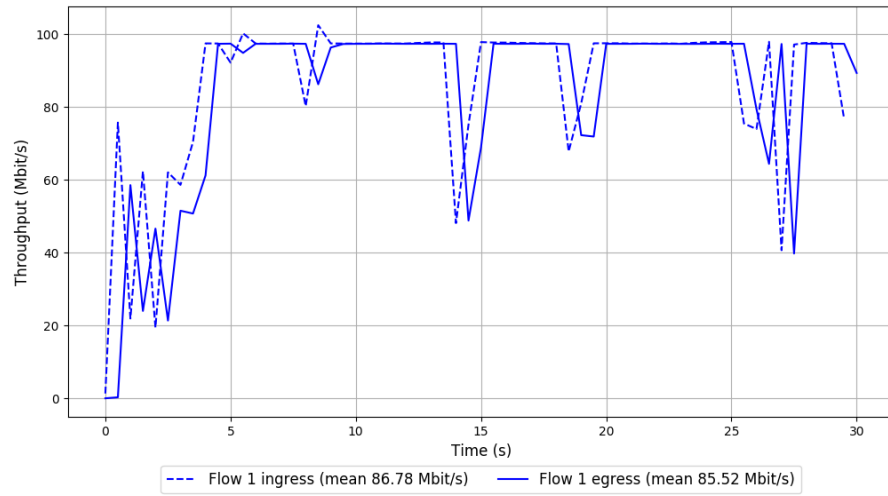
-- Flow 1:

Average throughput: 85.52 Mbit/s

95th percentile per-packet one-way delay: 65.679 ms

Loss rate: 1.33%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

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

End at: 2018-05-22 00:41:10

Local clock offset: 1.483 ms

Remote clock offset: -1.89 ms

Below is generated by plot.py at 2018-05-22 01:23:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.76 Mbit/s

95th percentile per-packet one-way delay: 58.850 ms

Loss rate: 1.08%

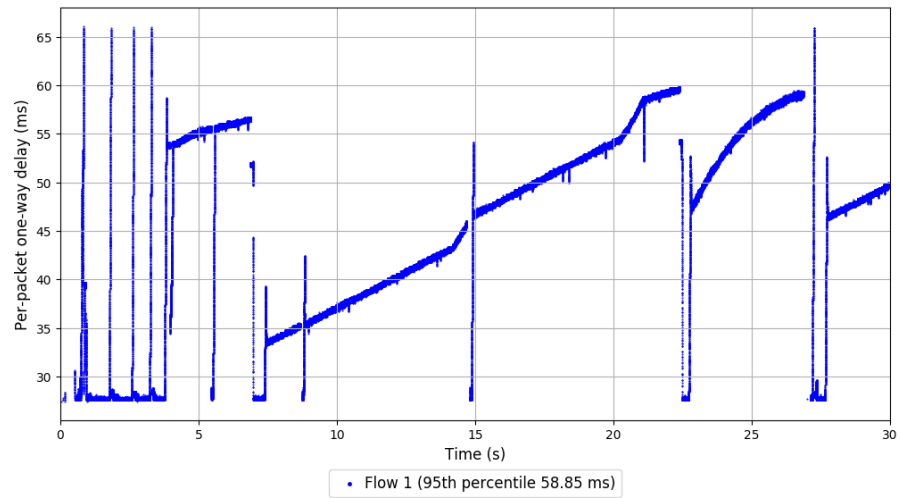
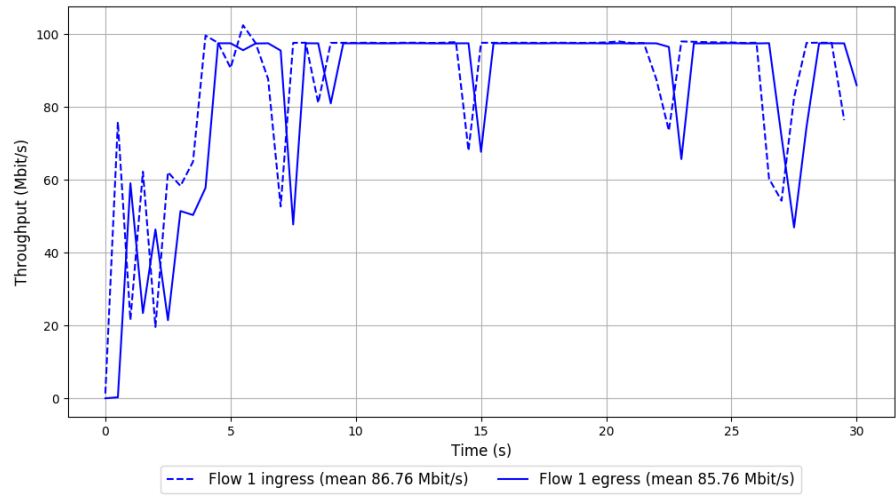
-- Flow 1:

Average throughput: 85.76 Mbit/s

95th percentile per-packet one-way delay: 58.850 ms

Loss rate: 1.08%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-22 01:01:59

End at: 2018-05-22 01:02:29

Local clock offset: 1.436 ms

Remote clock offset: 0.342 ms

Below is generated by plot.py at 2018-05-22 01:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.68 Mbit/s

95th percentile per-packet one-way delay: 66.713 ms

Loss rate: 1.14%

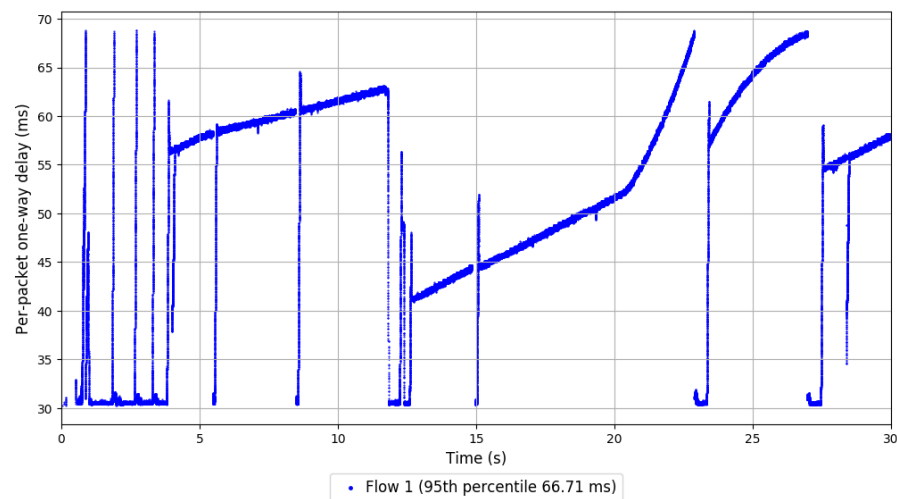
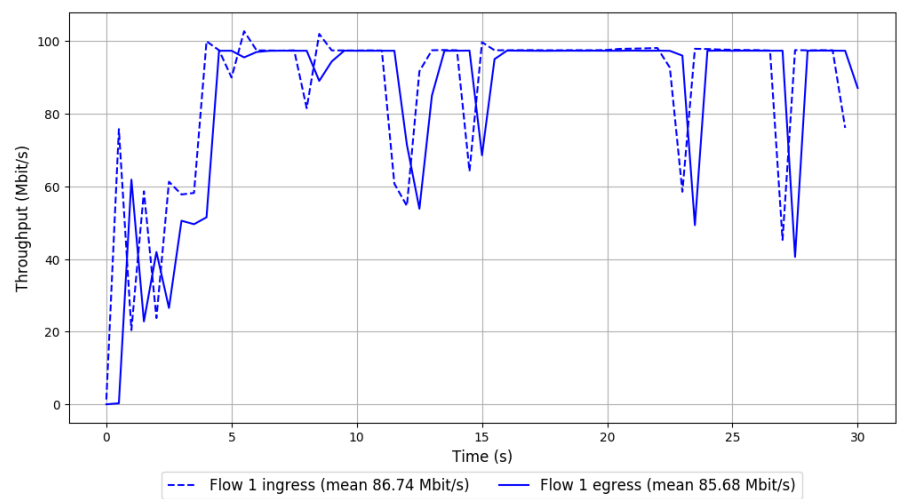
-- Flow 1:

Average throughput: 85.68 Mbit/s

95th percentile per-packet one-way delay: 66.713 ms

Loss rate: 1.14%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-05-21 21:47:27

End at: 2018-05-21 21:47:57

Local clock offset: -6.2 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-05-22 01:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 29.742 ms

Loss rate: 0.00%

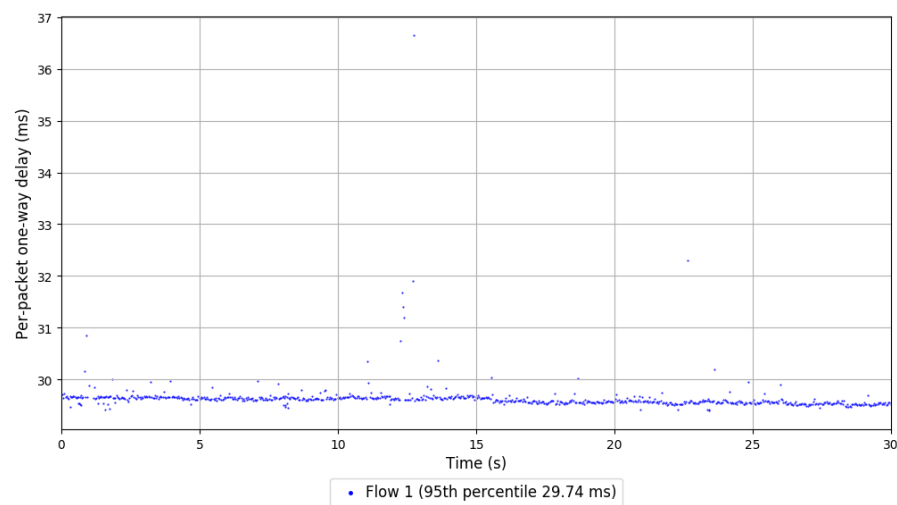
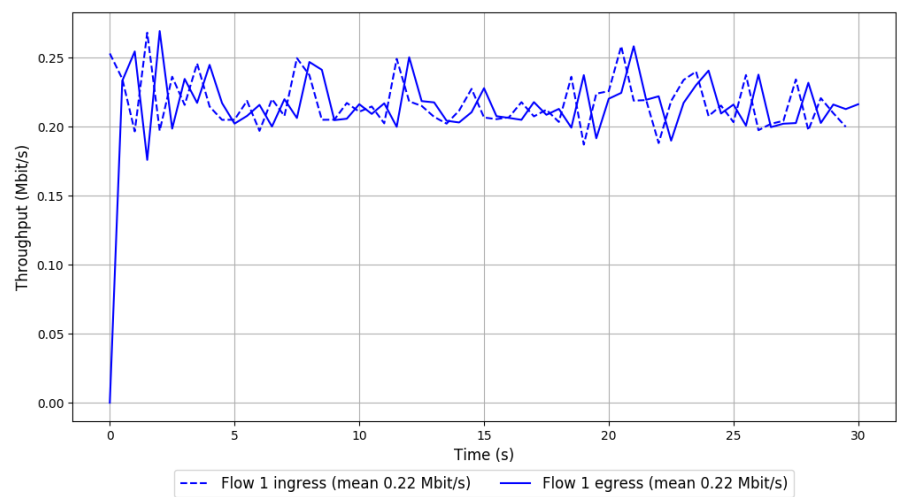
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 29.742 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

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

End at: 2018-05-21 22:08:37

Local clock offset: -3.276 ms

Remote clock offset: -1.63 ms

Below is generated by plot.py at 2018-05-22 01:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 28.000 ms

Loss rate: 0.00%

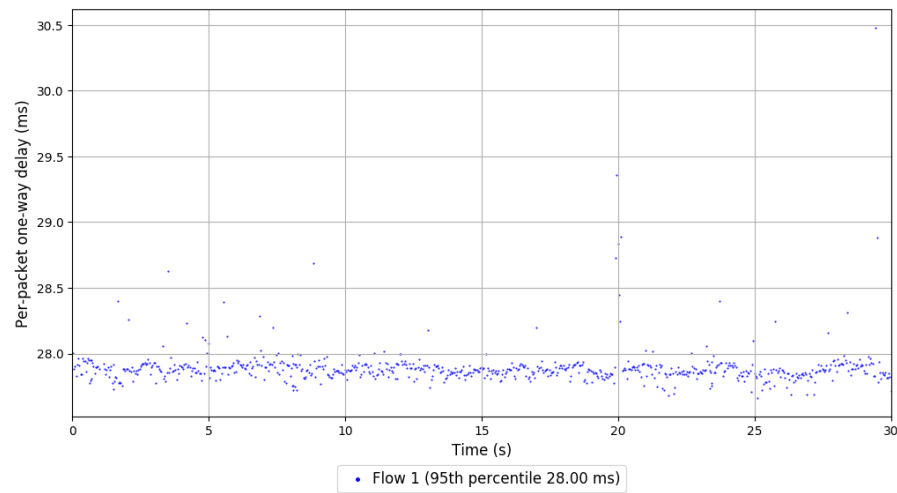
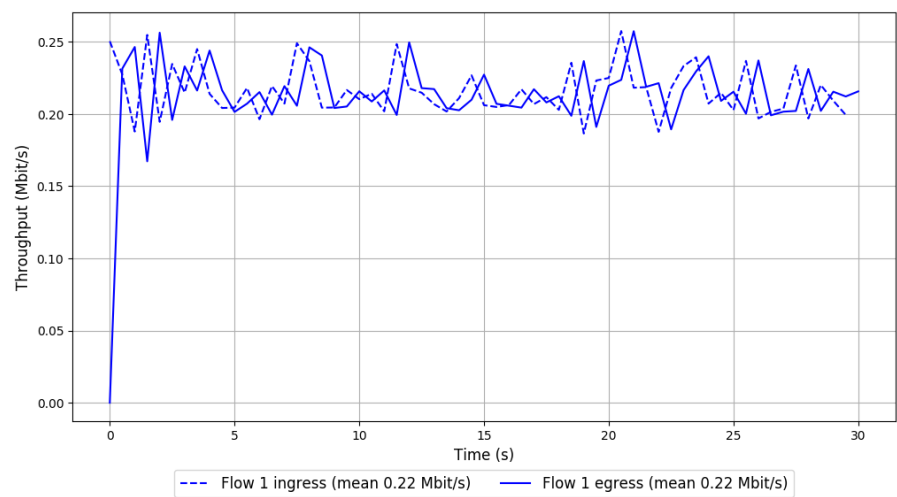
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 28.000 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-05-21 22:28:51

End at: 2018-05-21 22:29:21

Local clock offset: -2.937 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-05-22 01:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 28.686 ms

Loss rate: 0.00%

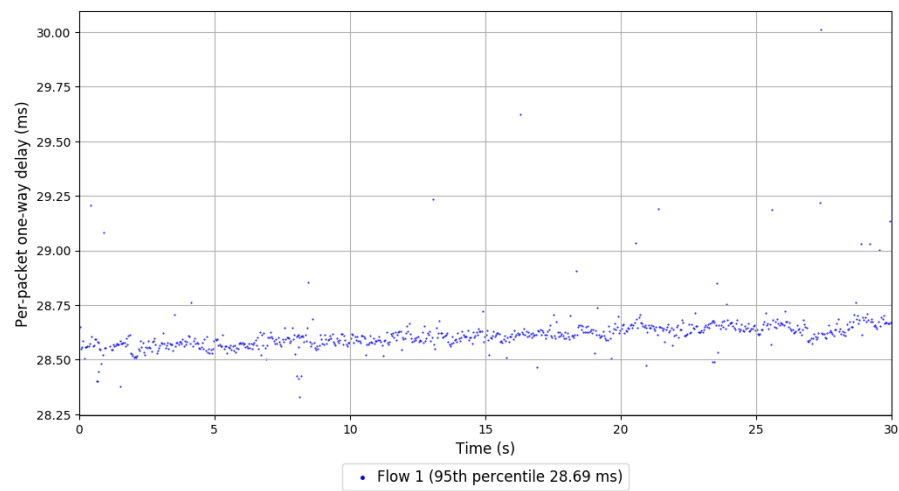
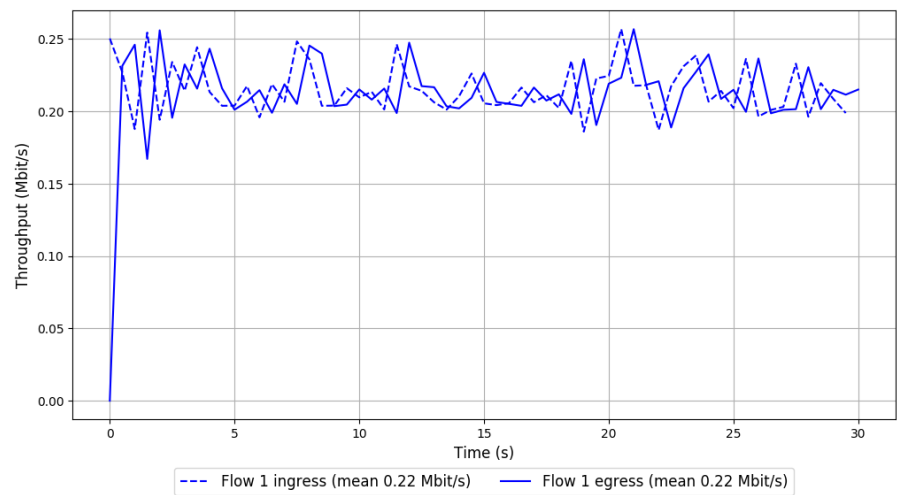
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 28.686 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-05-21 22:49:40

End at: 2018-05-21 22:50:10

Local clock offset: -1.285 ms

Remote clock offset: 3.197 ms

Below is generated by plot.py at 2018-05-22 01:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.553 ms

Loss rate: 0.00%

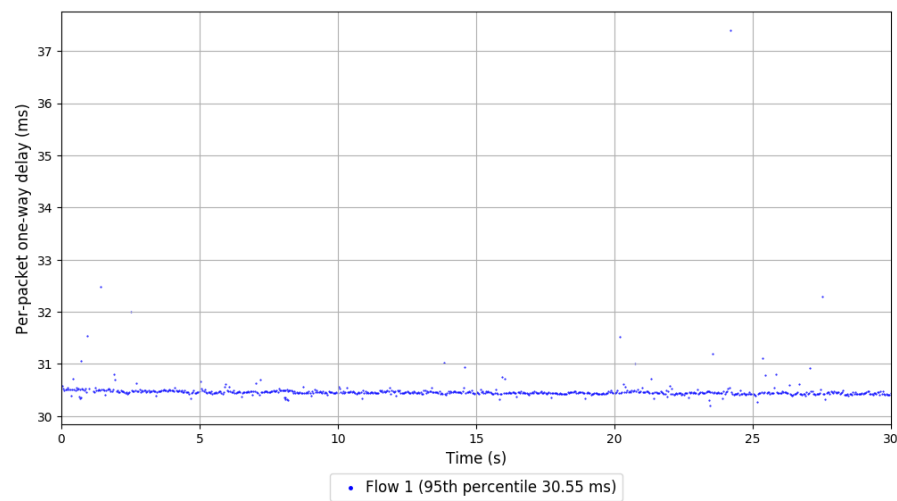
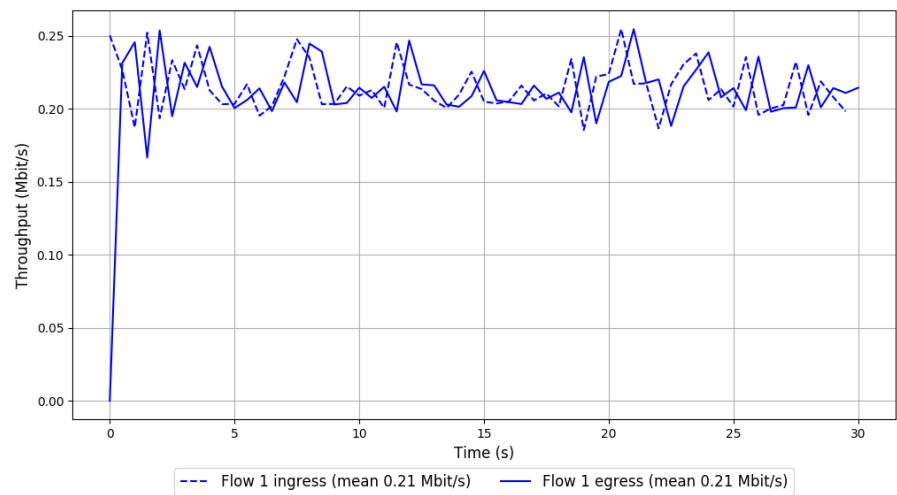
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.553 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-05-21 23:10:23

End at: 2018-05-21 23:10:53

Local clock offset: -0.347 ms

Remote clock offset: 4.672 ms

Below is generated by plot.py at 2018-05-22 01:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 31.150 ms

Loss rate: 0.00%

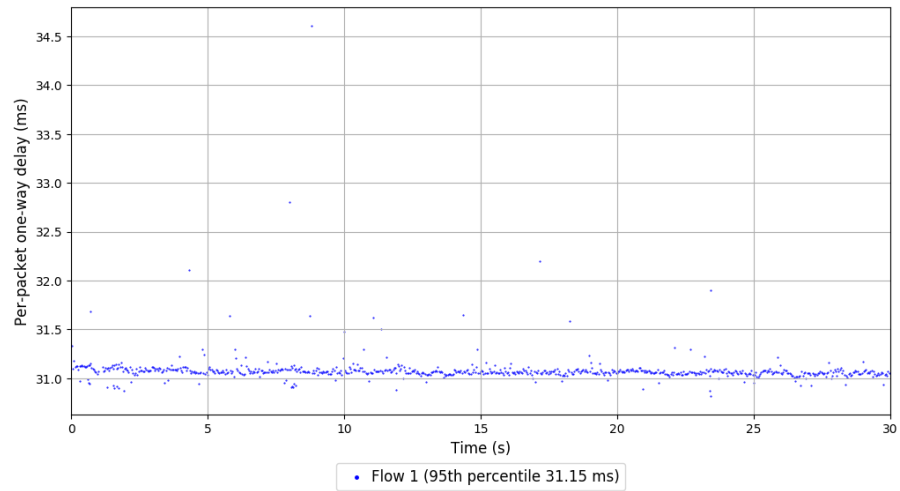
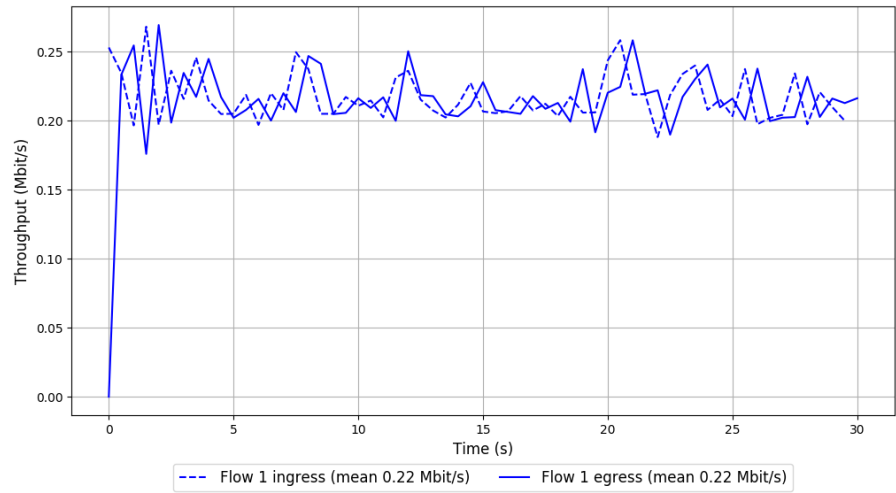
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 31.150 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-05-21 23:31:12

End at: 2018-05-21 23:31:42

Local clock offset: -0.268 ms

Remote clock offset: -2.22 ms

Below is generated by plot.py at 2018-05-22 01:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.172 ms

Loss rate: 0.12%

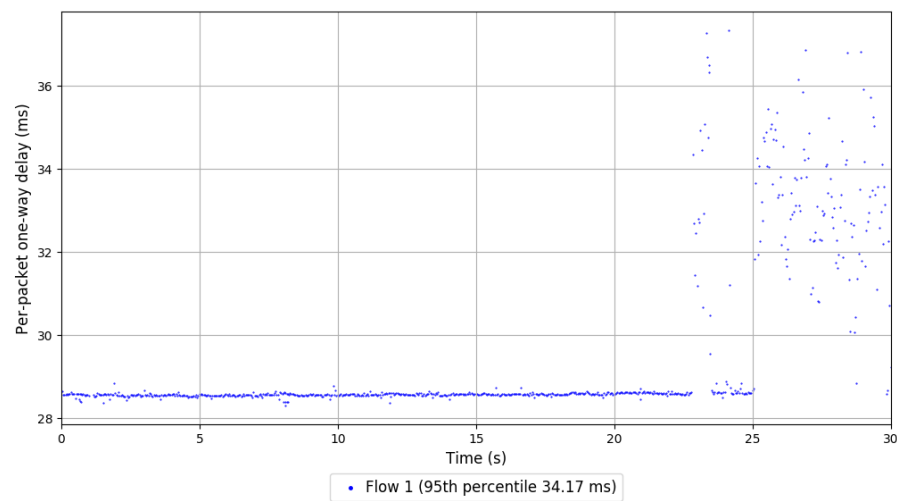
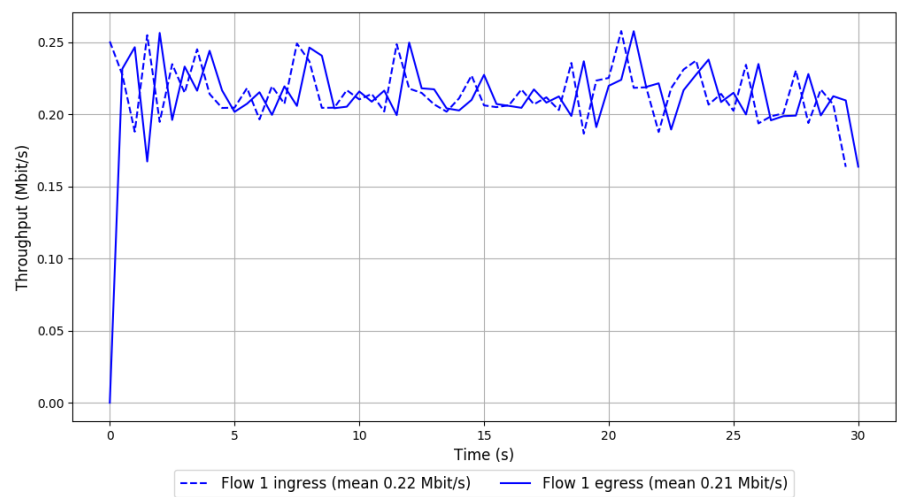
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.172 ms

Loss rate: 0.12%

Run 6: Report of SReAM — Data Link

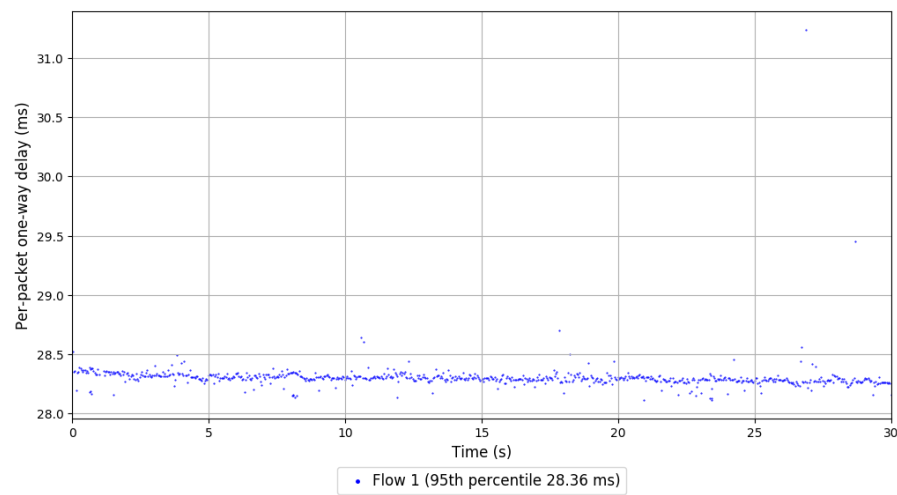
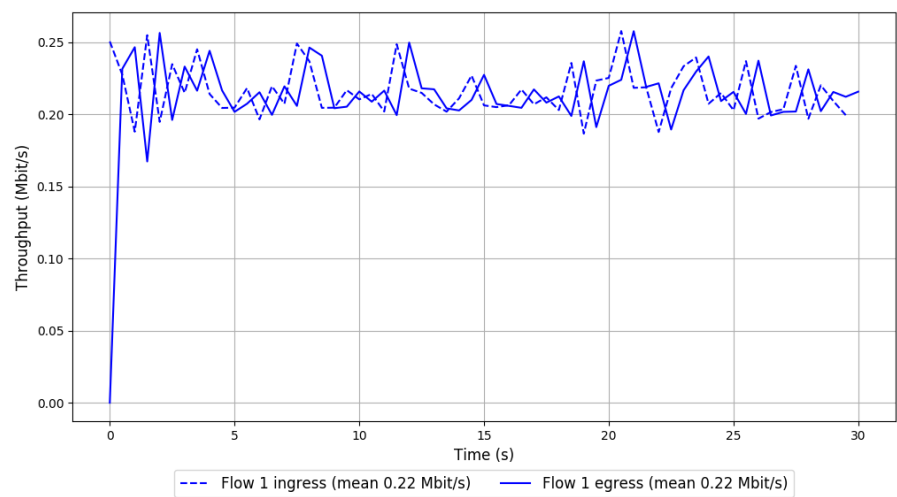


Run 7: Statistics of SCReAM

Start at: 2018-05-21 23:52:06
End at: 2018-05-21 23:52:36
Local clock offset: -0.296 ms
Remote clock offset: -2.948 ms

Below is generated by plot.py at 2018-05-22 01:23:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.362 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

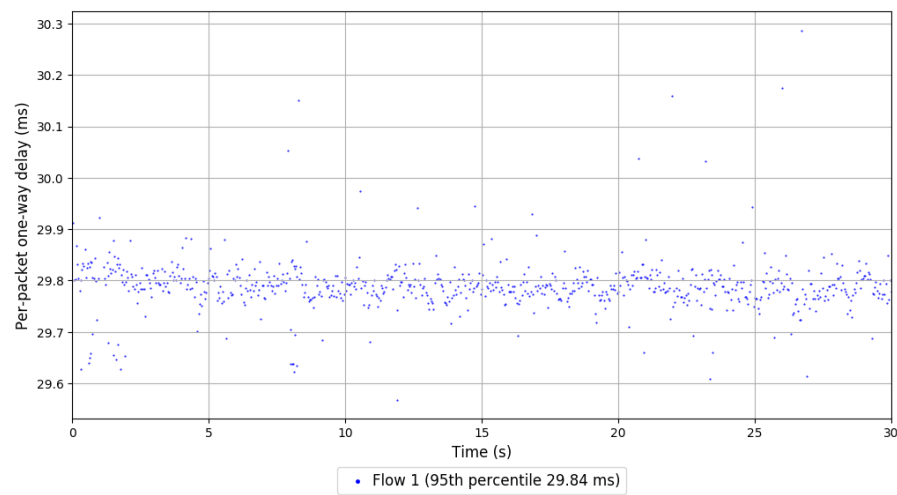
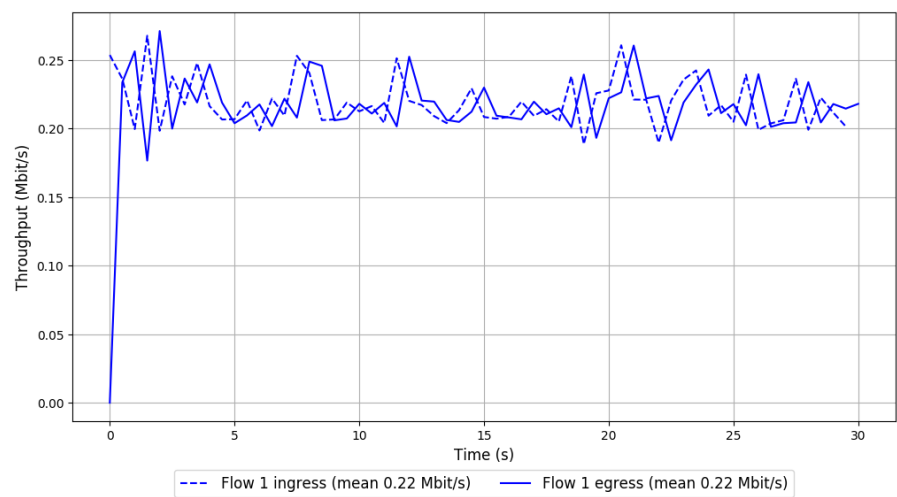


Run 8: Statistics of SCReAM

Start at: 2018-05-22 00:12:49
End at: 2018-05-22 00:13:19
Local clock offset: 0.25 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-05-22 01:23:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.845 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

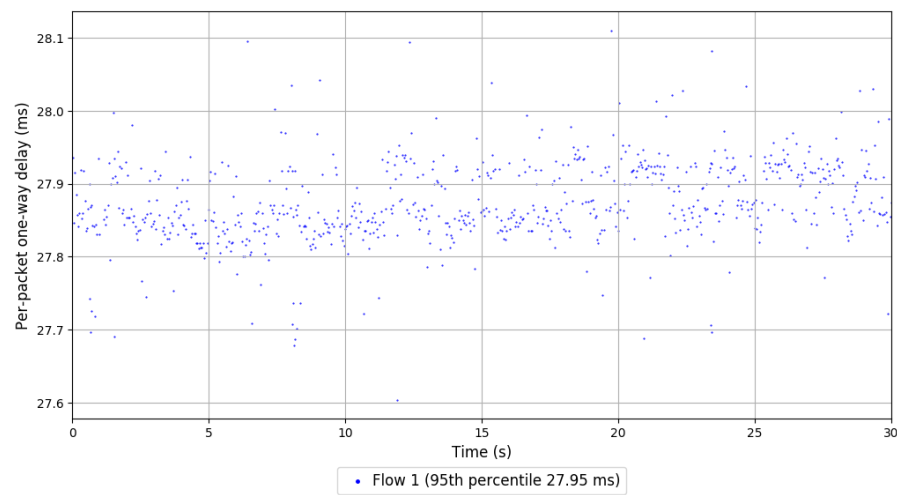
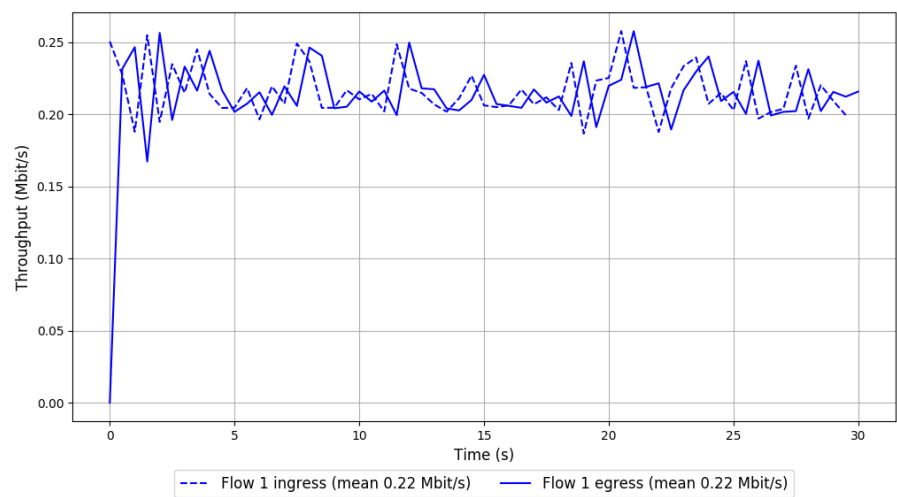


Run 9: Statistics of SCReAM

Start at: 2018-05-22 00:33:55
End at: 2018-05-22 00:34:25
Local clock offset: 1.036 ms
Remote clock offset: -1.877 ms

Below is generated by plot.py at 2018-05-22 01:23:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.953 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-05-22 00:55:29

End at: 2018-05-22 00:55:59

Local clock offset: 1.729 ms

Remote clock offset: 0.351 ms

Below is generated by plot.py at 2018-05-22 01:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.660 ms

Loss rate: 0.00%

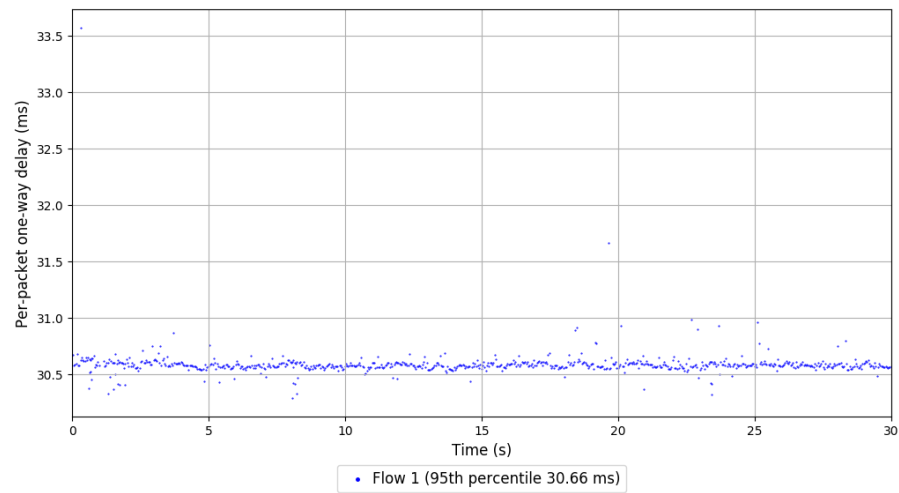
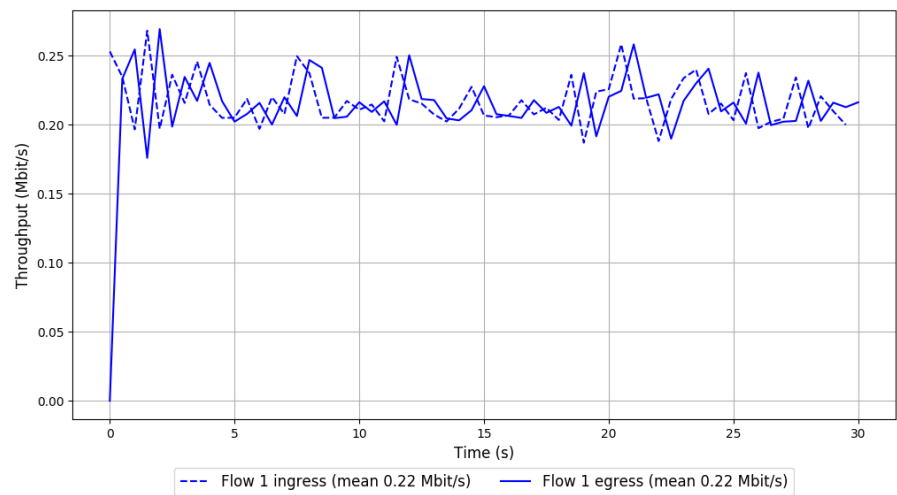
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.660 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

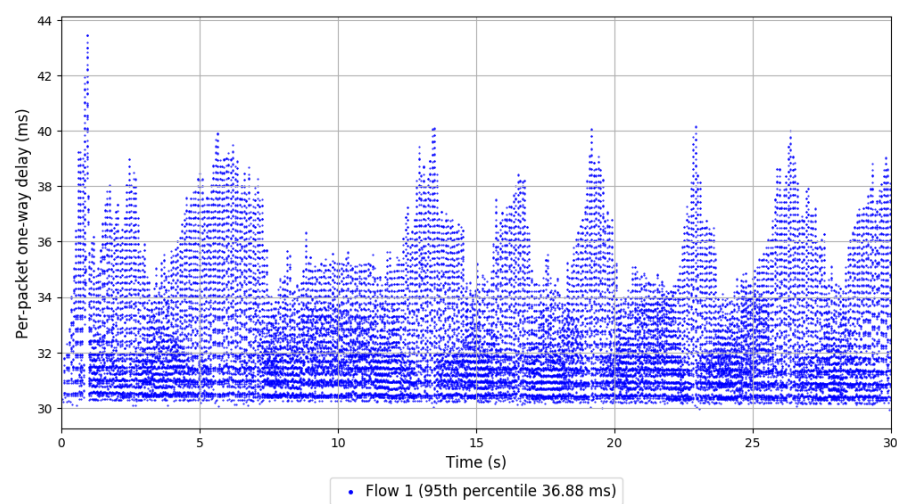
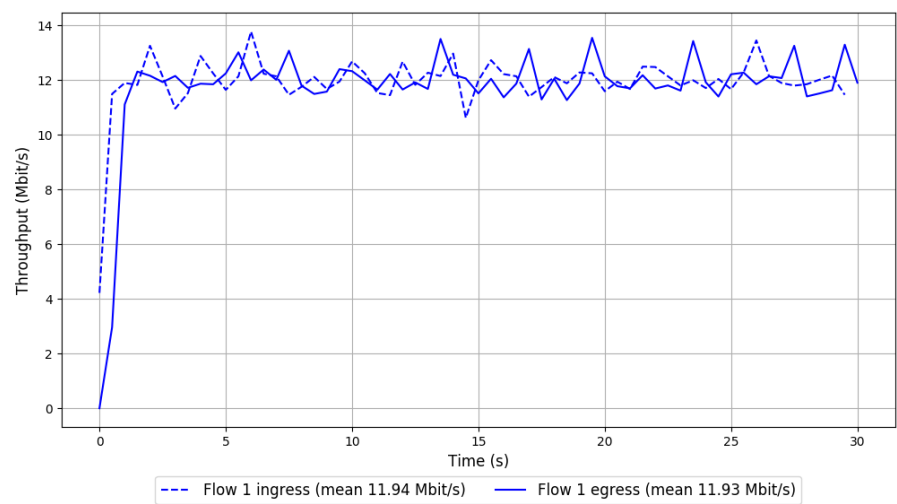


Run 1: Statistics of Sprout

Start at: 2018-05-21 21:50:03
End at: 2018-05-21 21:50:33
Local clock offset: -6.979 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-05-22 01:23:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 36.875 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 36.875 ms
Loss rate: 0.09%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-05-21 22:10:42

End at: 2018-05-21 22:11:12

Local clock offset: -2.879 ms

Remote clock offset: 1.26 ms

Below is generated by plot.py at 2018-05-22 01:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 36.506 ms

Loss rate: 0.00%

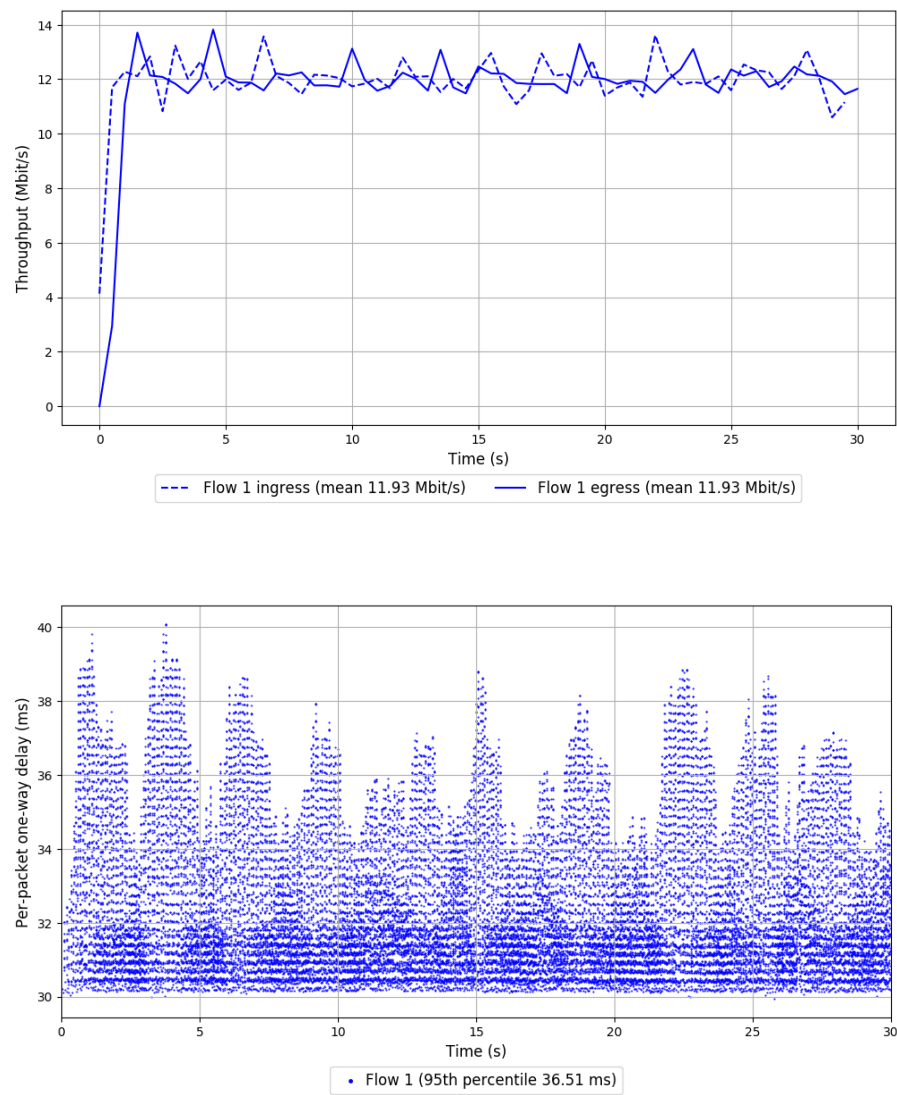
-- Flow 1:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 36.506 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-05-21 22:31:32

End at: 2018-05-21 22:32:02

Local clock offset: -2.17 ms

Remote clock offset: 0.302 ms

Below is generated by plot.py at 2018-05-22 01:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.80 Mbit/s

95th percentile per-packet one-way delay: 33.564 ms

Loss rate: 0.04%

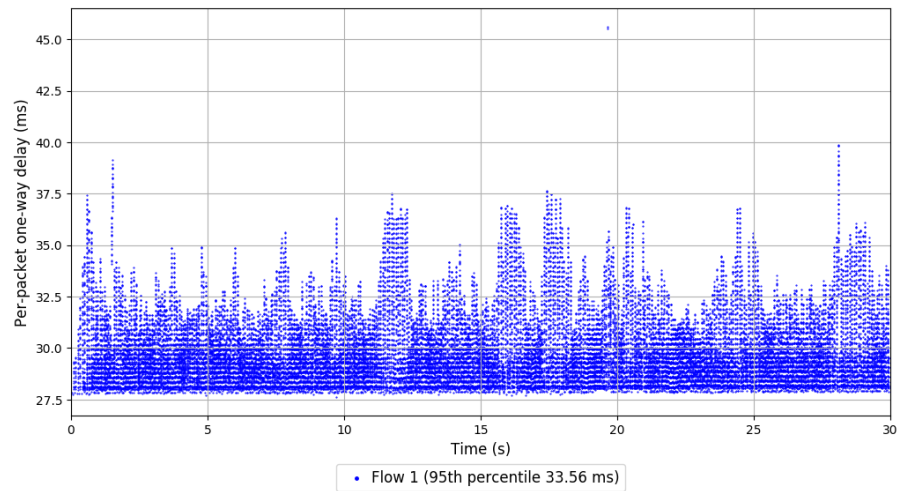
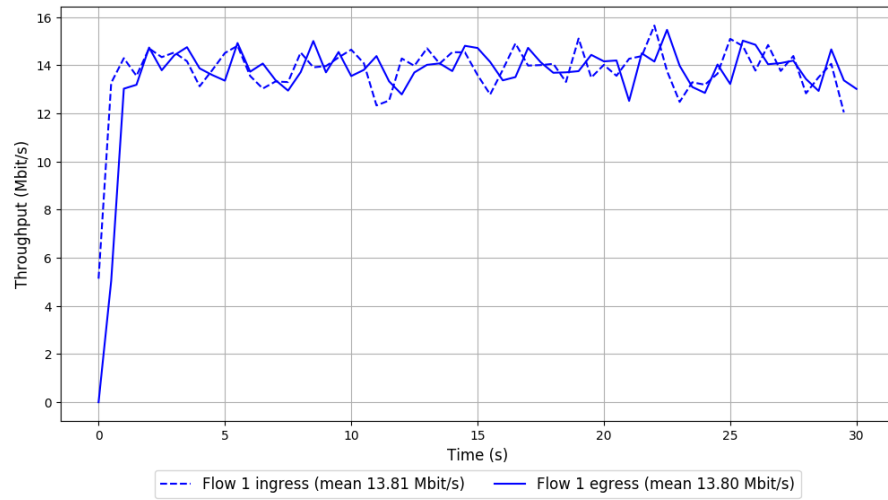
-- Flow 1:

Average throughput: 13.80 Mbit/s

95th percentile per-packet one-way delay: 33.564 ms

Loss rate: 0.04%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-05-21 22:52:16

End at: 2018-05-21 22:52:46

Local clock offset: -1.515 ms

Remote clock offset: 1.24 ms

Below is generated by plot.py at 2018-05-22 01:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.86 Mbit/s

95th percentile per-packet one-way delay: 34.462 ms

Loss rate: 0.00%

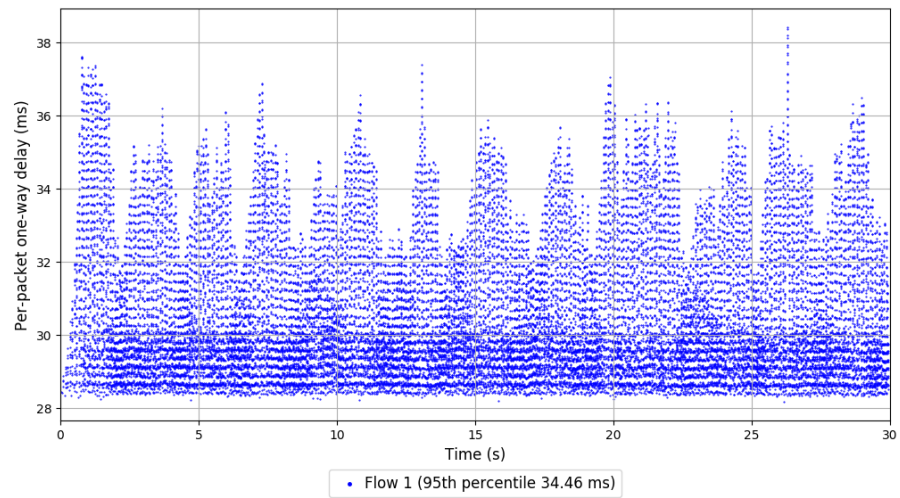
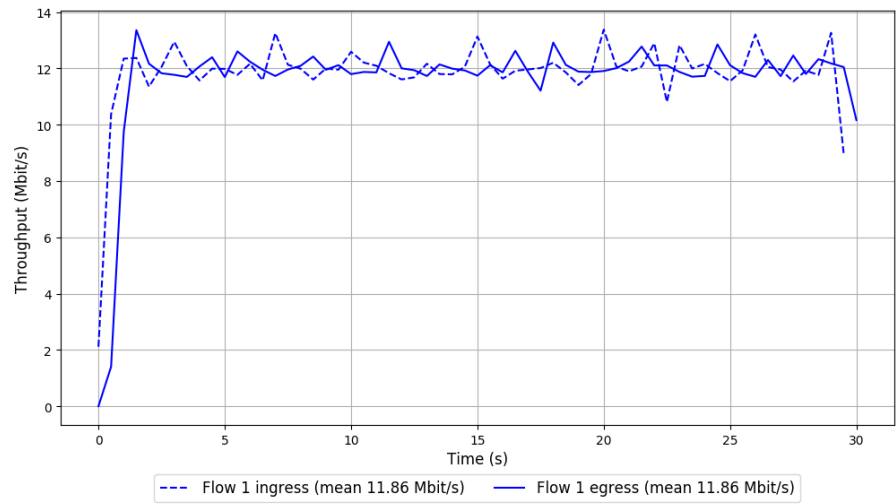
-- Flow 1:

Average throughput: 11.86 Mbit/s

95th percentile per-packet one-way delay: 34.462 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-21 23:13:00

End at: 2018-05-21 23:13:30

Local clock offset: -0.265 ms

Remote clock offset: 4.762 ms

Below is generated by plot.py at 2018-05-22 01:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.97 Mbit/s

95th percentile per-packet one-way delay: 35.787 ms

Loss rate: 0.10%

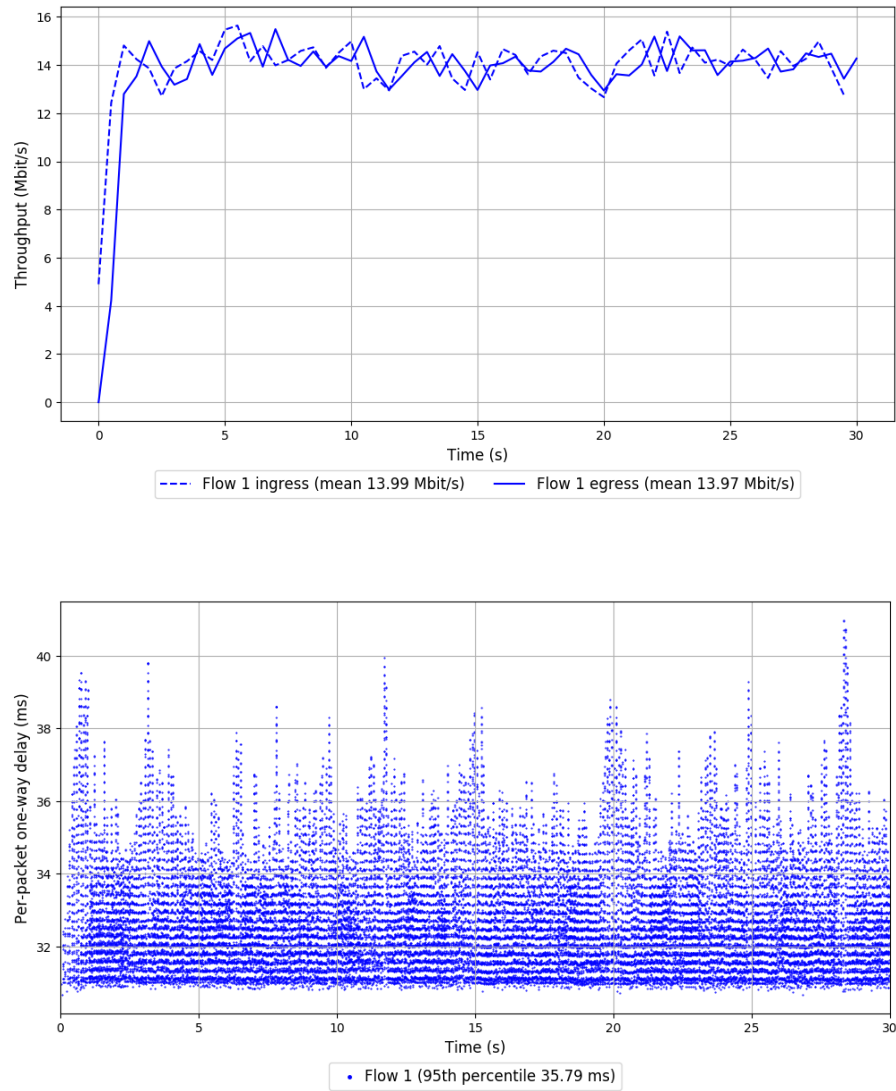
-- Flow 1:

Average throughput: 13.97 Mbit/s

95th percentile per-packet one-way delay: 35.787 ms

Loss rate: 0.10%

Run 5: Report of Sprout — Data Link

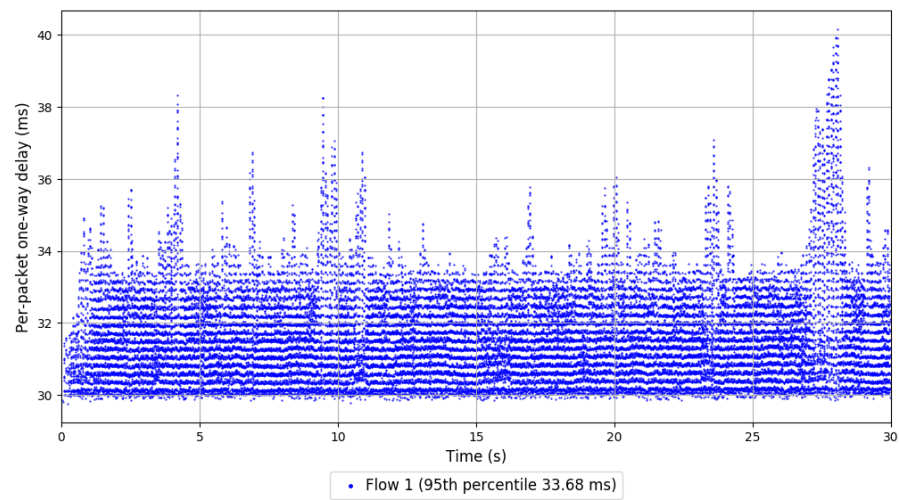
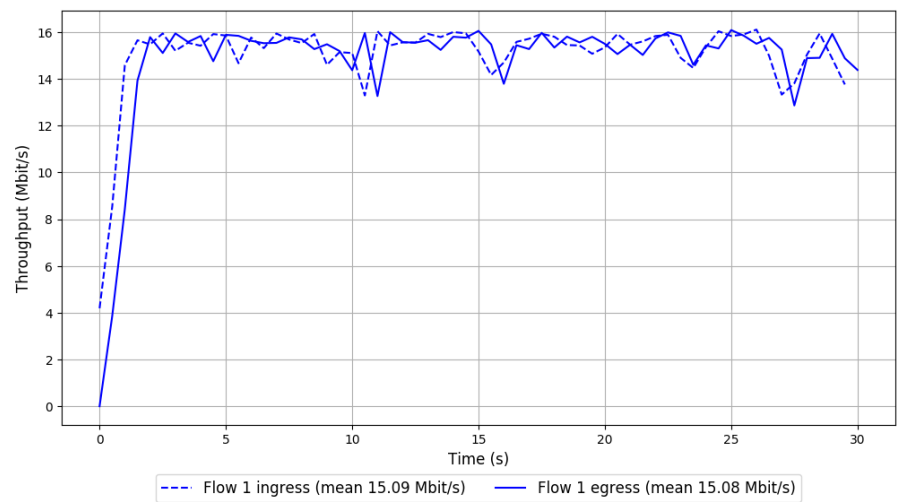


Run 6: Statistics of Sprout

Start at: 2018-05-21 23:33:50
End at: 2018-05-21 23:34:20
Local clock offset: -0.176 ms
Remote clock offset: -0.459 ms

Below is generated by plot.py at 2018-05-22 01:23:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.08 Mbit/s
95th percentile per-packet one-way delay: 33.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.08 Mbit/s
95th percentile per-packet one-way delay: 33.677 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

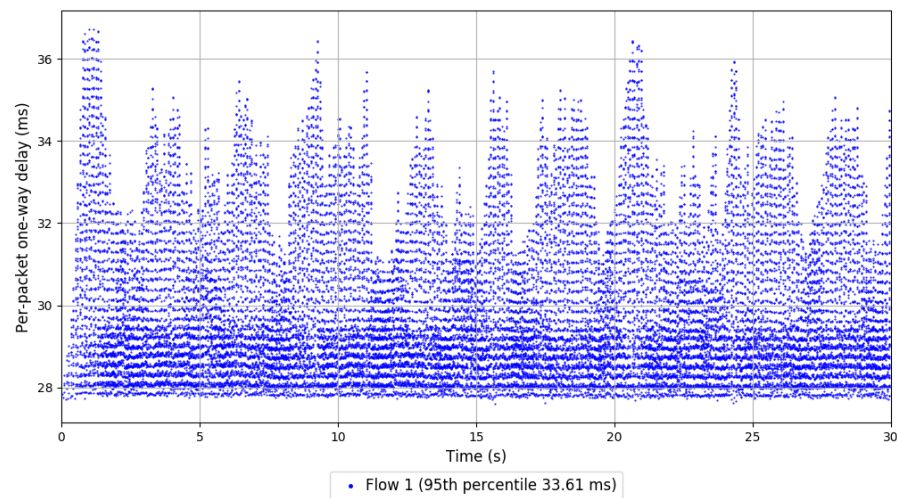
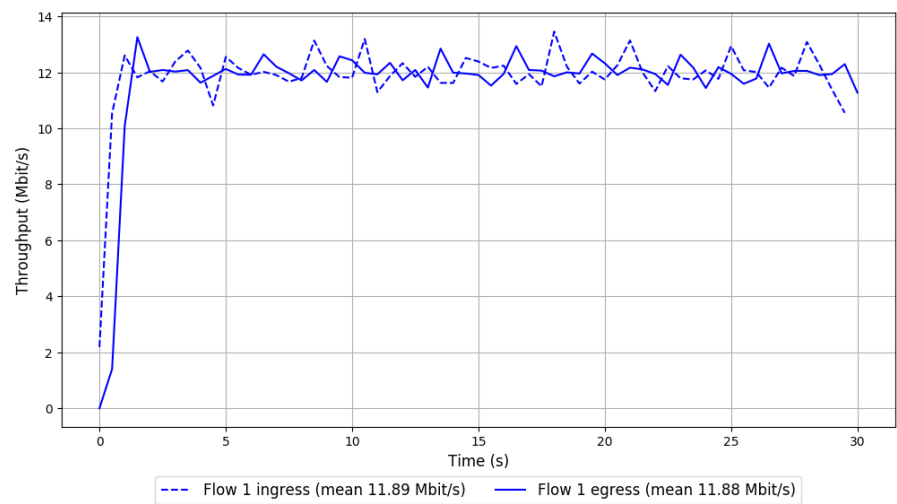


Run 7: Statistics of Sprout

Start at: 2018-05-21 23:54:42
End at: 2018-05-21 23:55:12
Local clock offset: -0.495 ms
Remote clock offset: -2.637 ms

Below is generated by plot.py at 2018-05-22 01:23:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 33.614 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 33.614 ms
Loss rate: 0.04%

Run 7: Report of Sprout — Data Link

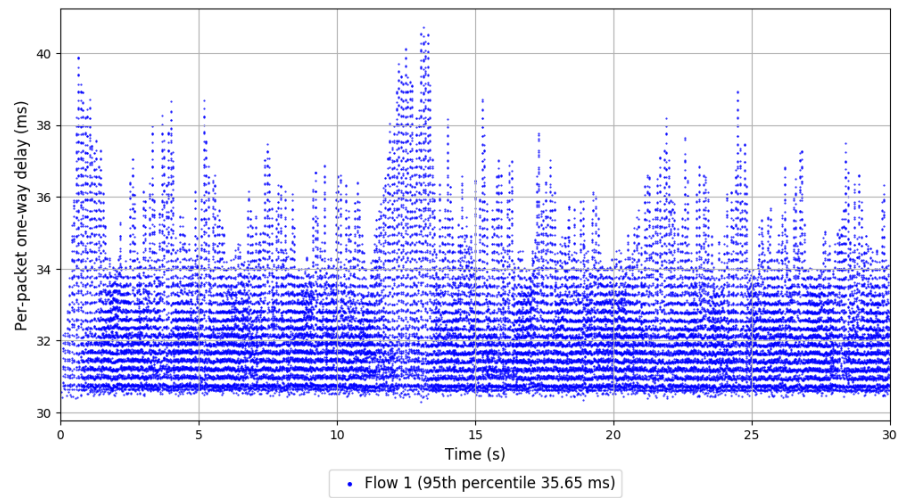
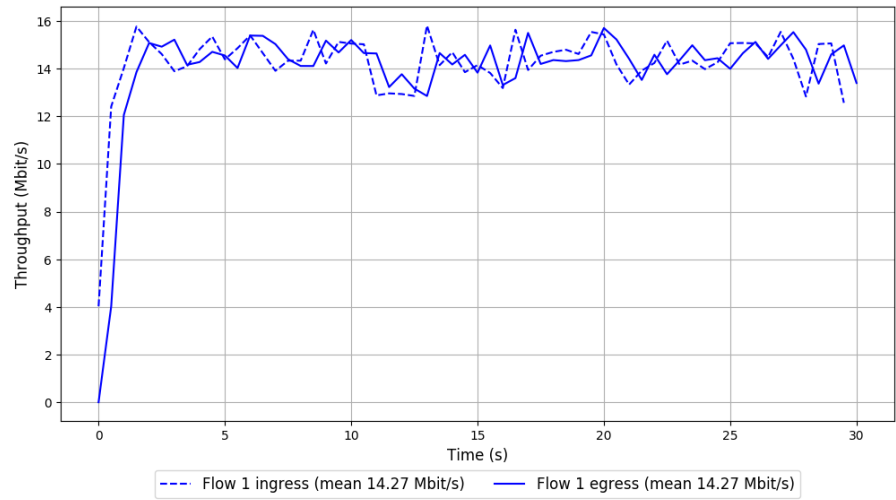


Run 8: Statistics of Sprout

Start at: 2018-05-22 00:15:25
End at: 2018-05-22 00:15:55
Local clock offset: 0.13 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-22 01:23:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 35.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 35.649 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-22 00:36:39

End at: 2018-05-22 00:37:09

Local clock offset: 1.158 ms

Remote clock offset: 0.608 ms

Below is generated by plot.py at 2018-05-22 01:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.07 Mbit/s

95th percentile per-packet one-way delay: 37.878 ms

Loss rate: 0.00%

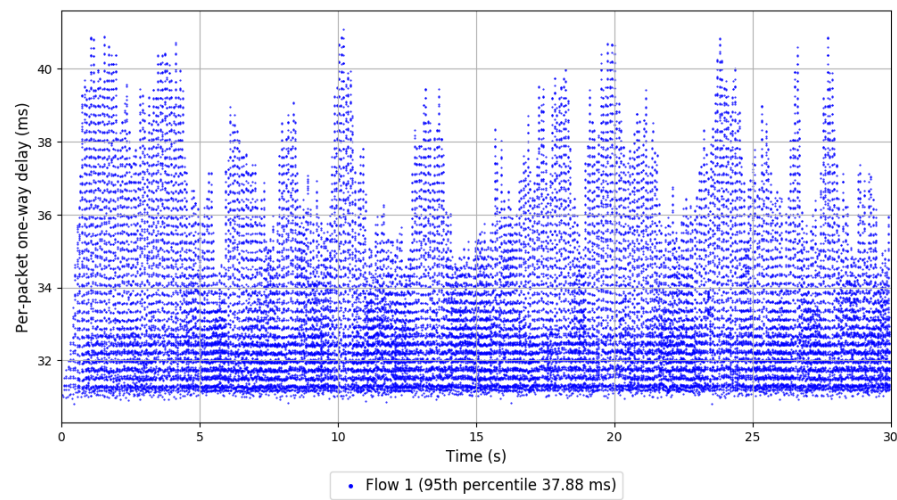
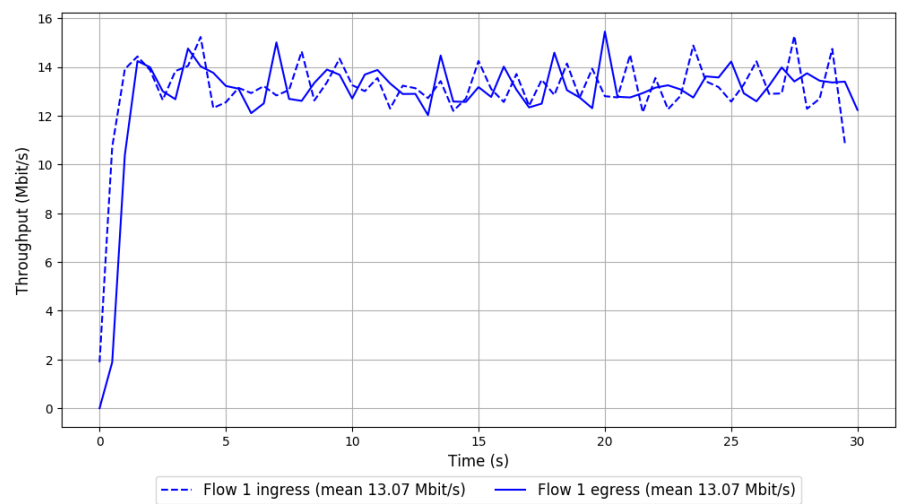
-- Flow 1:

Average throughput: 13.07 Mbit/s

95th percentile per-packet one-way delay: 37.878 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-22 00:58:06

End at: 2018-05-22 00:58:36

Local clock offset: 1.696 ms

Remote clock offset: 0.874 ms

Below is generated by plot.py at 2018-05-22 01:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.92 Mbit/s

95th percentile per-packet one-way delay: 36.072 ms

Loss rate: 0.03%

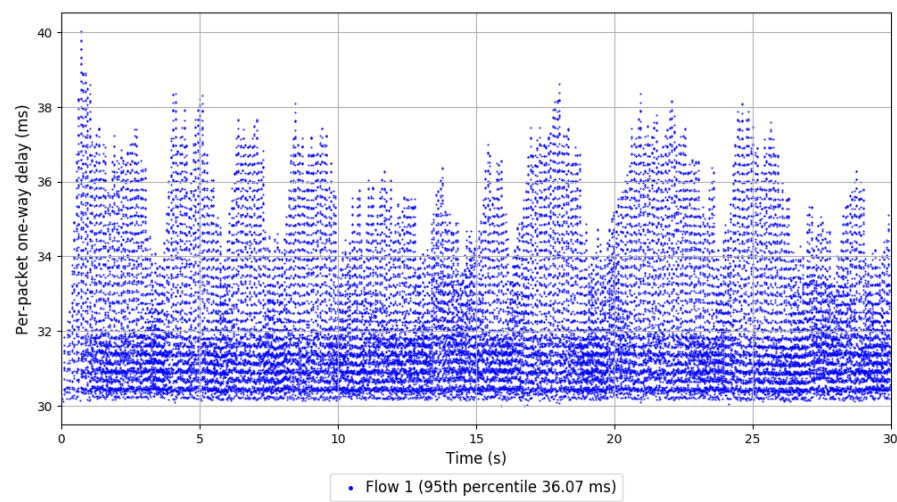
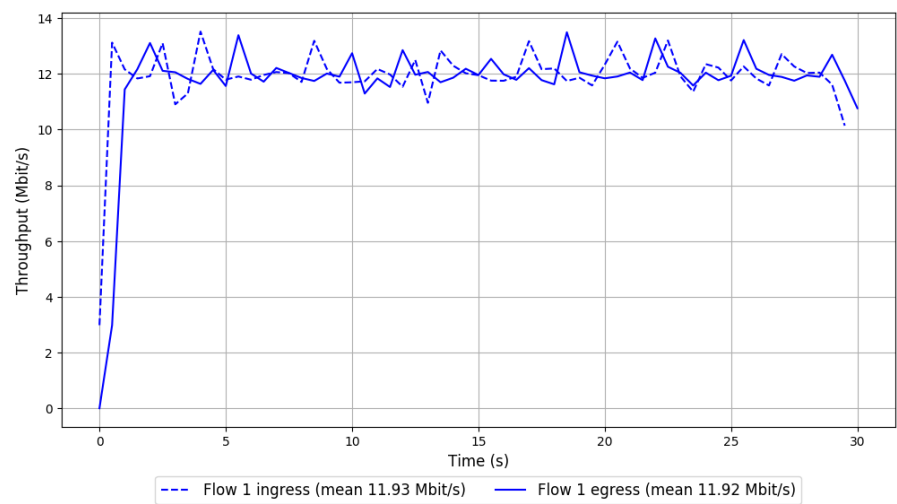
-- Flow 1:

Average throughput: 11.92 Mbit/s

95th percentile per-packet one-way delay: 36.072 ms

Loss rate: 0.03%

Run 10: Report of Sprout — Data Link

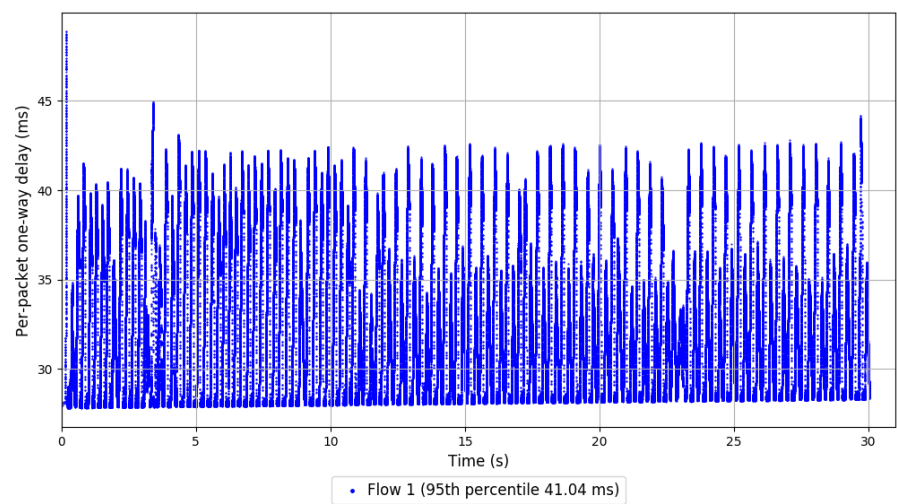
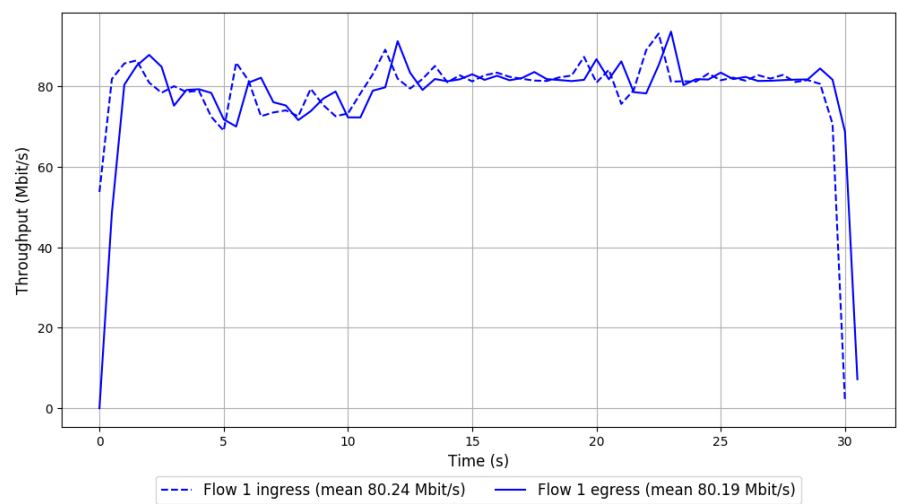


Run 1: Statistics of TaoVA-100x

Start at: 2018-05-21 21:56:27
End at: 2018-05-21 21:56:57
Local clock offset: -8.868 ms
Remote clock offset: -2.058 ms

Below is generated by plot.py at 2018-05-22 01:24:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.19 Mbit/s
95th percentile per-packet one-way delay: 41.037 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 80.19 Mbit/s
95th percentile per-packet one-way delay: 41.037 ms
Loss rate: 0.06%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-21 22:17:07

End at: 2018-05-21 22:17:37

Local clock offset: -2.941 ms

Remote clock offset: 1.439 ms

Below is generated by plot.py at 2018-05-22 01:24:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.25 Mbit/s

95th percentile per-packet one-way delay: 41.844 ms

Loss rate: 0.04%

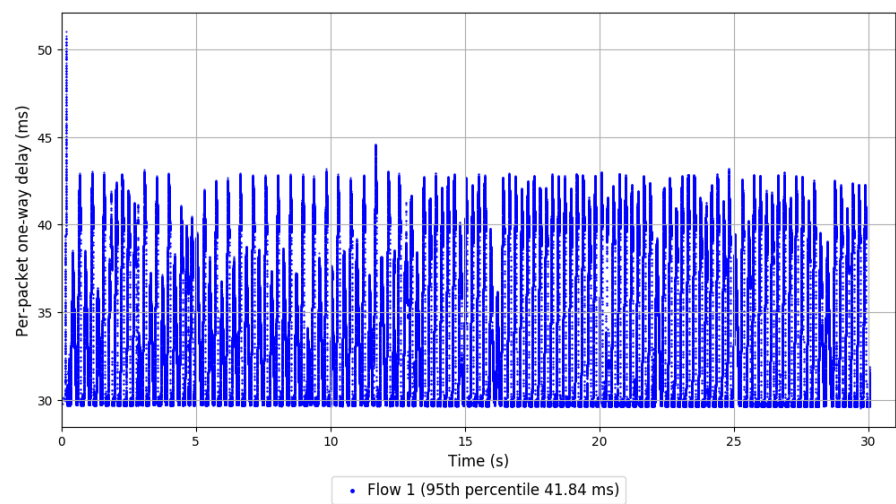
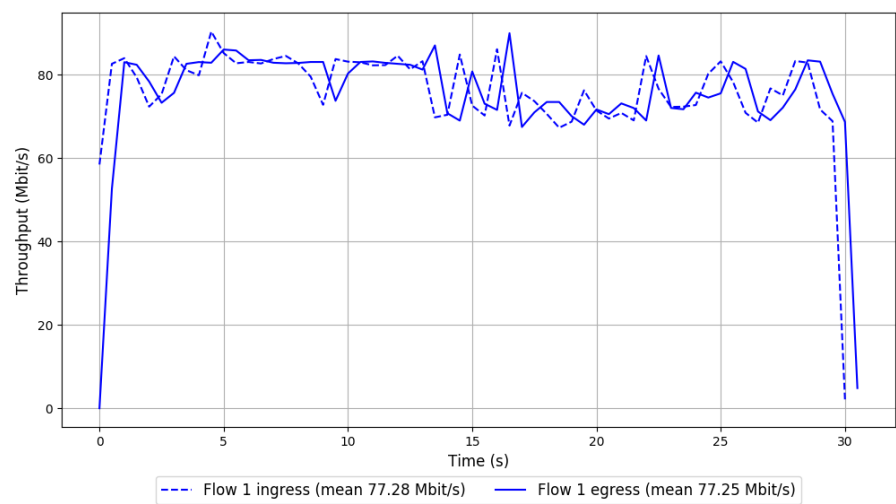
-- Flow 1:

Average throughput: 77.25 Mbit/s

95th percentile per-packet one-way delay: 41.844 ms

Loss rate: 0.04%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-21 22:37:57

End at: 2018-05-21 22:38:27

Local clock offset: -1.37 ms

Remote clock offset: 3.015 ms

Below is generated by plot.py at 2018-05-22 01:24:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.42 Mbit/s

95th percentile per-packet one-way delay: 43.704 ms

Loss rate: 0.12%

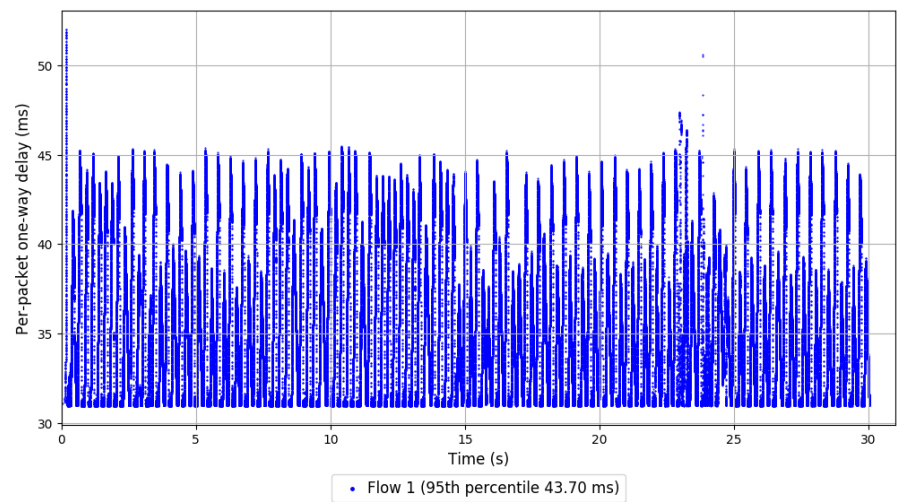
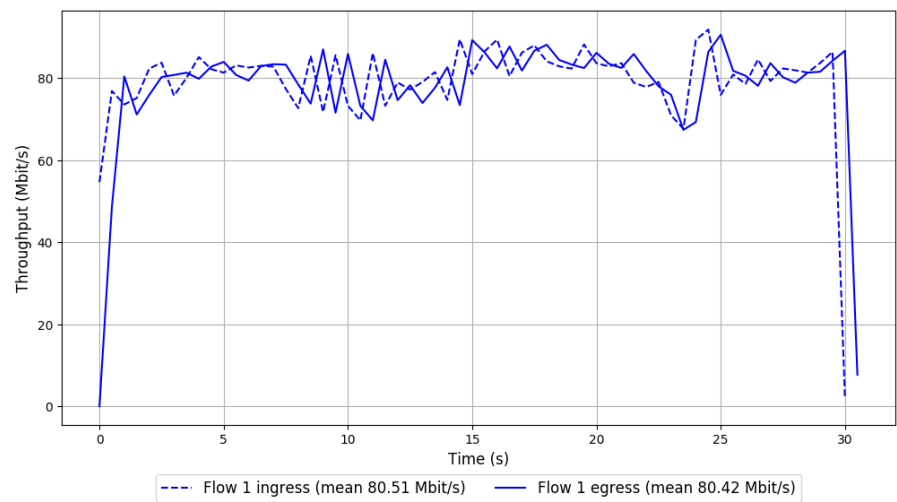
-- Flow 1:

Average throughput: 80.42 Mbit/s

95th percentile per-packet one-way delay: 43.704 ms

Loss rate: 0.12%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-21 22:58:40

End at: 2018-05-21 22:59:10

Local clock offset: -1.354 ms

Remote clock offset: 3.584 ms

Below is generated by plot.py at 2018-05-22 01:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.24 Mbit/s

95th percentile per-packet one-way delay: 42.491 ms

Loss rate: 0.04%

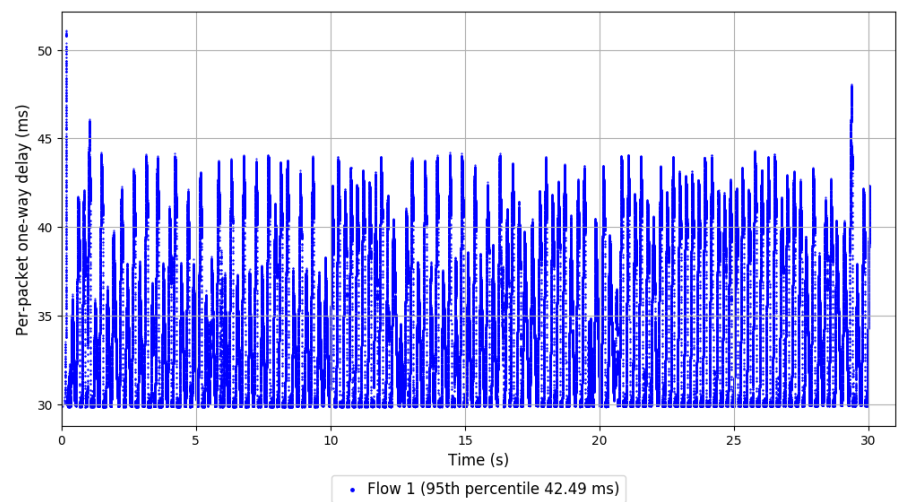
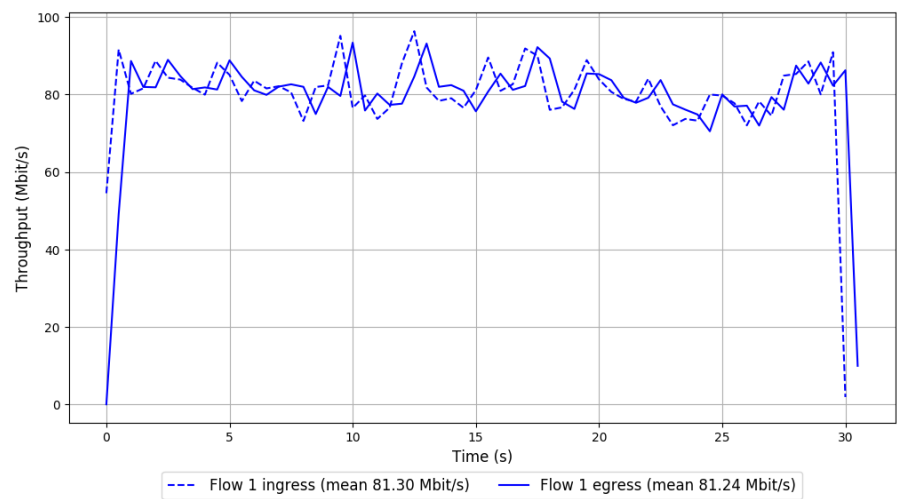
-- Flow 1:

Average throughput: 81.24 Mbit/s

95th percentile per-packet one-way delay: 42.491 ms

Loss rate: 0.04%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-21 23:19:26

End at: 2018-05-21 23:19:56

Local clock offset: -0.535 ms

Remote clock offset: 0.501 ms

Below is generated by plot.py at 2018-05-22 01:25:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.61 Mbit/s

95th percentile per-packet one-way delay: 38.909 ms

Loss rate: 0.07%

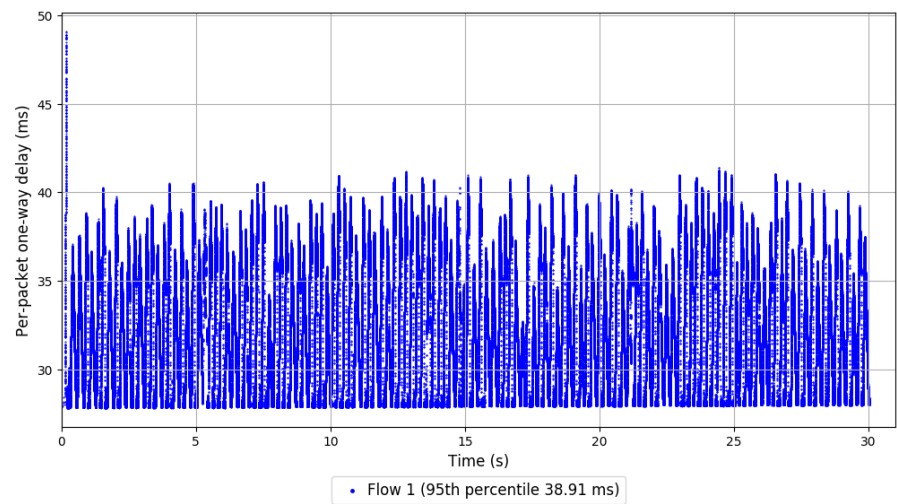
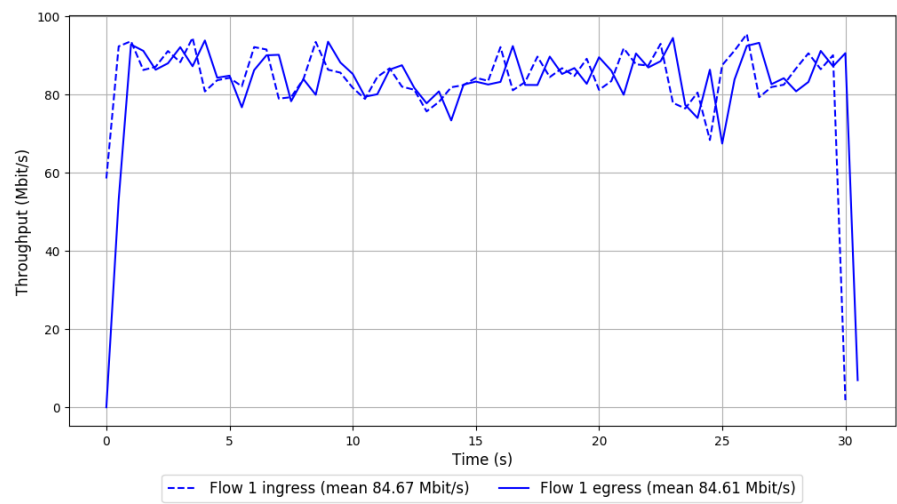
-- Flow 1:

Average throughput: 84.61 Mbit/s

95th percentile per-packet one-way delay: 38.909 ms

Loss rate: 0.07%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-21 23:40:18

End at: 2018-05-21 23:40:48

Local clock offset: 0.02 ms

Remote clock offset: -0.792 ms

Below is generated by plot.py at 2018-05-22 01:25:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.36 Mbit/s

95th percentile per-packet one-way delay: 42.805 ms

Loss rate: 0.00%

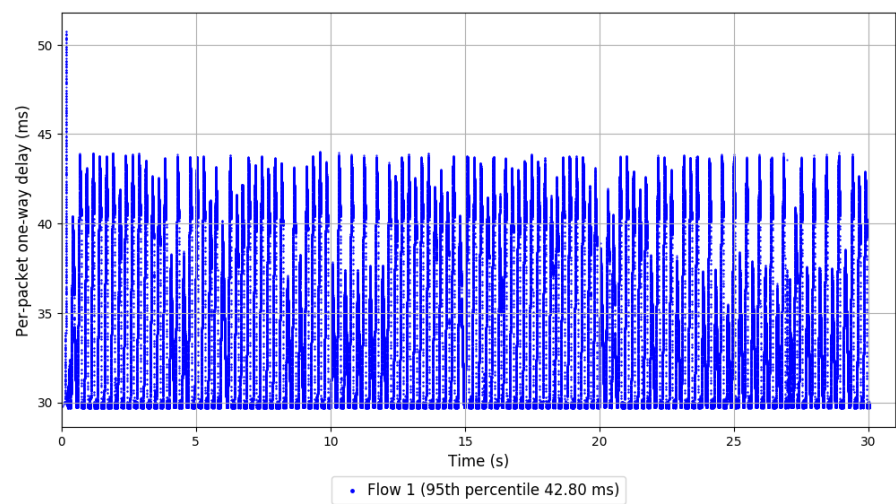
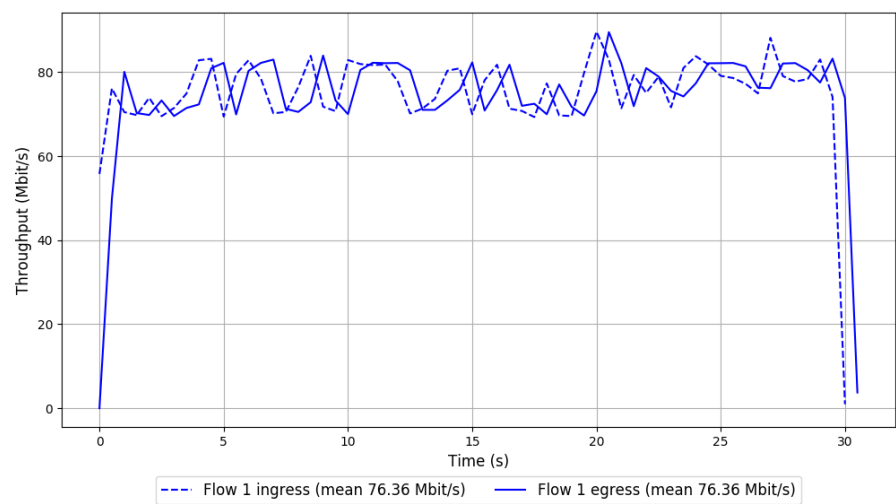
-- Flow 1:

Average throughput: 76.36 Mbit/s

95th percentile per-packet one-way delay: 42.805 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-22 00:01:09

End at: 2018-05-22 00:01:39

Local clock offset: -0.057 ms

Remote clock offset: -0.36 ms

Below is generated by plot.py at 2018-05-22 01:25:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.04 Mbit/s

95th percentile per-packet one-way delay: 43.829 ms

Loss rate: 0.00%

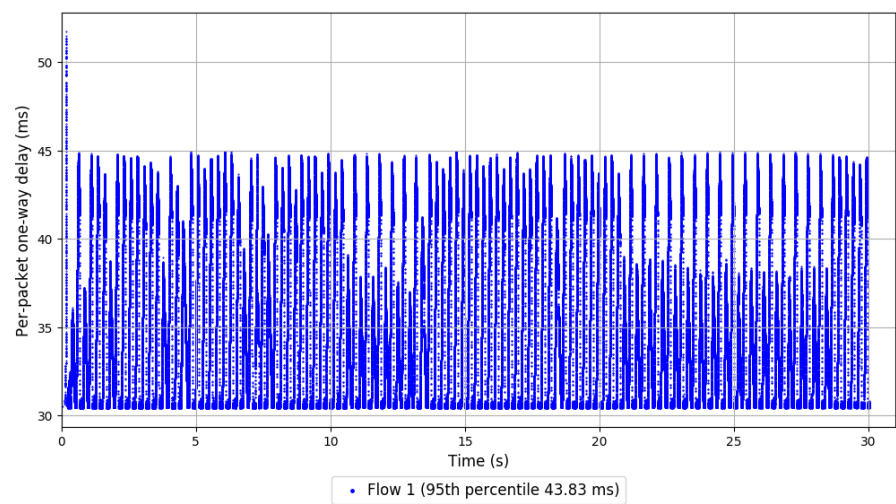
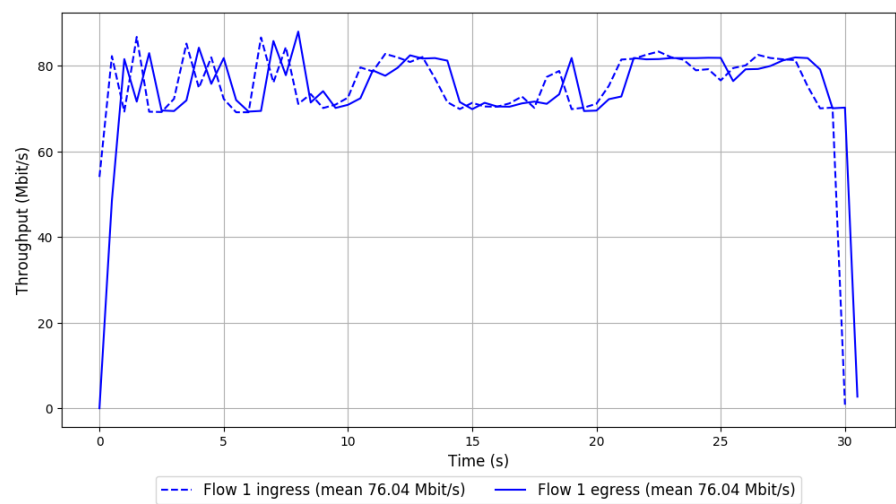
-- Flow 1:

Average throughput: 76.04 Mbit/s

95th percentile per-packet one-way delay: 43.829 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-22 00:21:51

End at: 2018-05-22 00:22:21

Local clock offset: 0.116 ms

Remote clock offset: 0.571 ms

Below is generated by plot.py at 2018-05-22 01:25:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.10 Mbit/s

95th percentile per-packet one-way delay: 44.207 ms

Loss rate: 0.02%

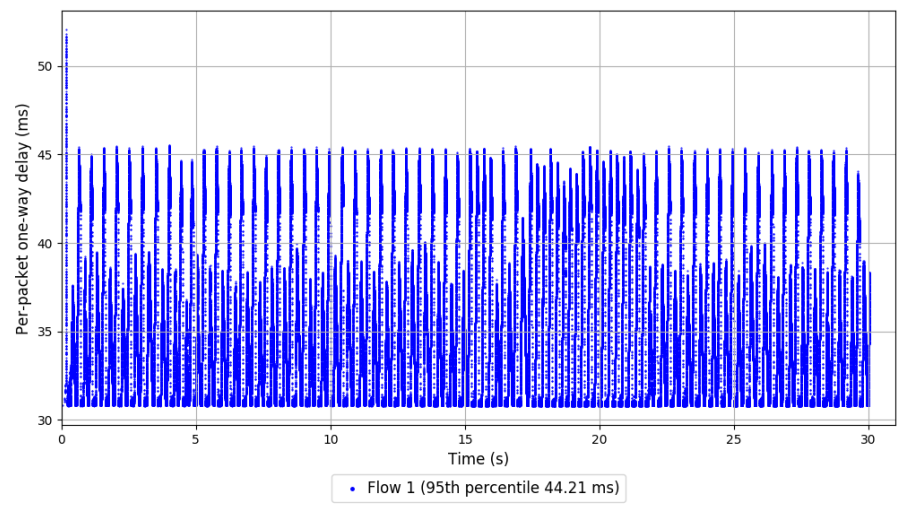
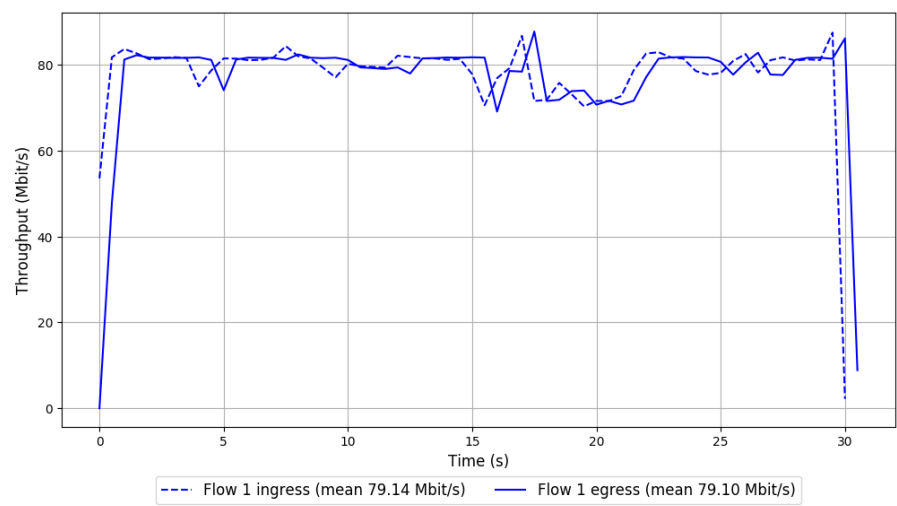
-- Flow 1:

Average throughput: 79.10 Mbit/s

95th percentile per-packet one-way delay: 44.207 ms

Loss rate: 0.02%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-22 00:43:16

End at: 2018-05-22 00:43:46

Local clock offset: 1.582 ms

Remote clock offset: 0.32 ms

Below is generated by plot.py at 2018-05-22 01:26:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.29 Mbit/s

95th percentile per-packet one-way delay: 43.871 ms

Loss rate: 0.00%

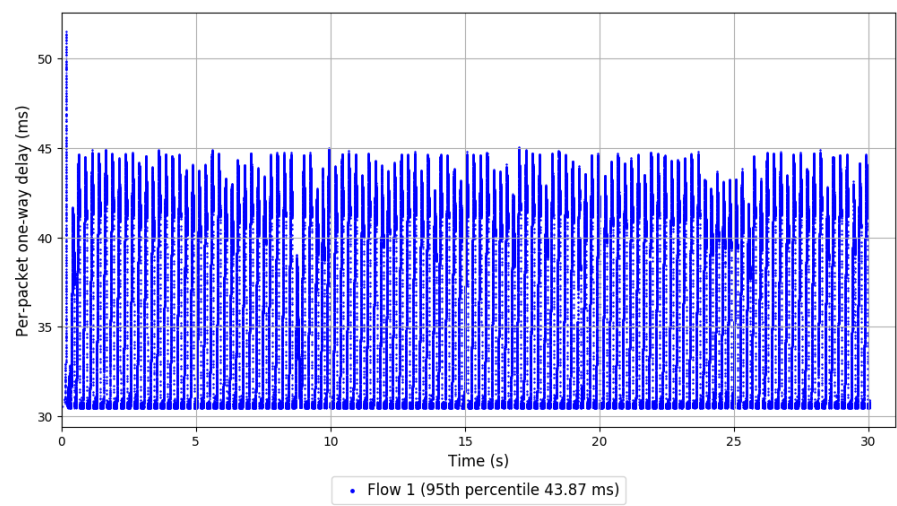
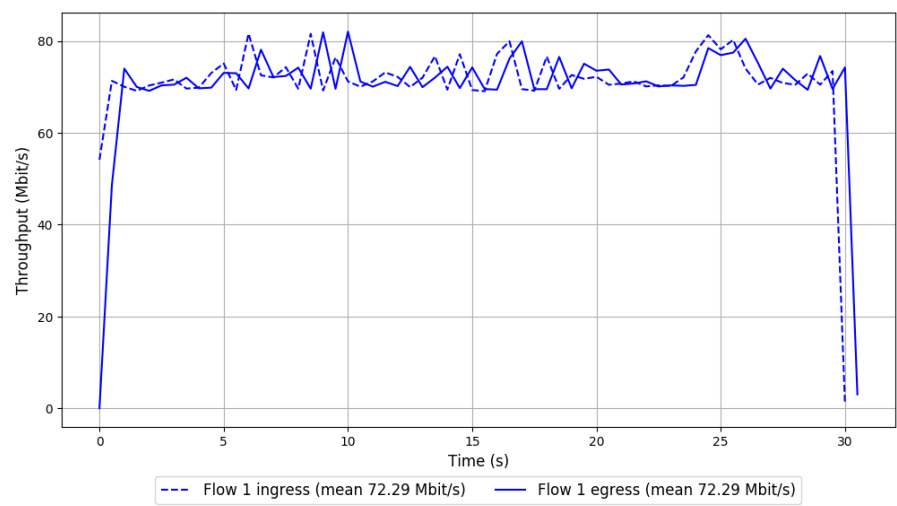
-- Flow 1:

Average throughput: 72.29 Mbit/s

95th percentile per-packet one-way delay: 43.871 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-22 01:04:33

End at: 2018-05-22 01:05:03

Local clock offset: 1.326 ms

Remote clock offset: -1.791 ms

Below is generated by plot.py at 2018-05-22 01:26:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.79 Mbit/s

95th percentile per-packet one-way delay: 40.395 ms

Loss rate: 0.01%

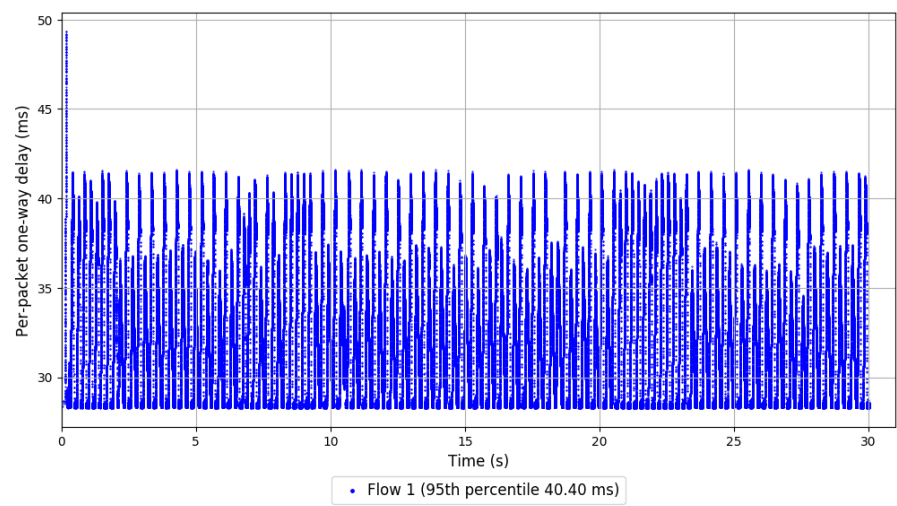
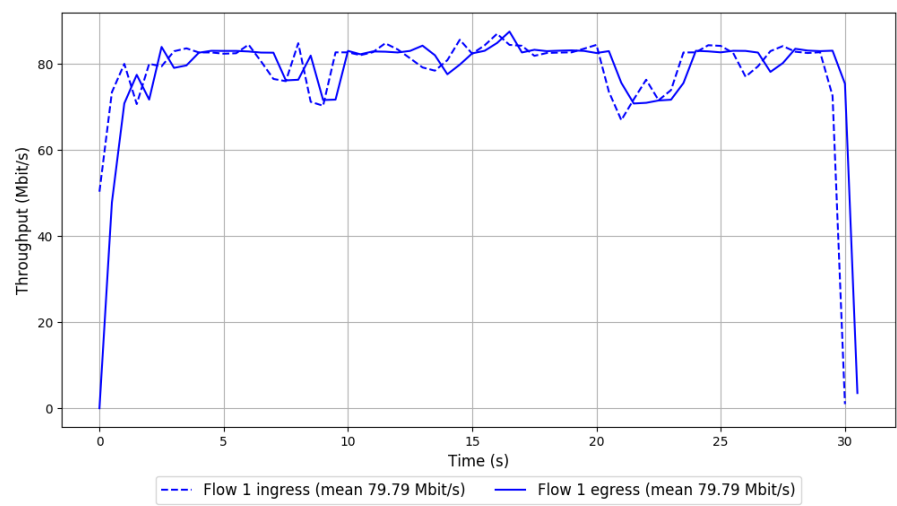
-- Flow 1:

Average throughput: 79.79 Mbit/s

95th percentile per-packet one-way delay: 40.395 ms

Loss rate: 0.01%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-21 21:52:36

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

Local clock offset: -7.719 ms

Remote clock offset: 0.403 ms

Below is generated by plot.py at 2018-05-22 01:26:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.78 Mbit/s

95th percentile per-packet one-way delay: 50.948 ms

Loss rate: 0.57%

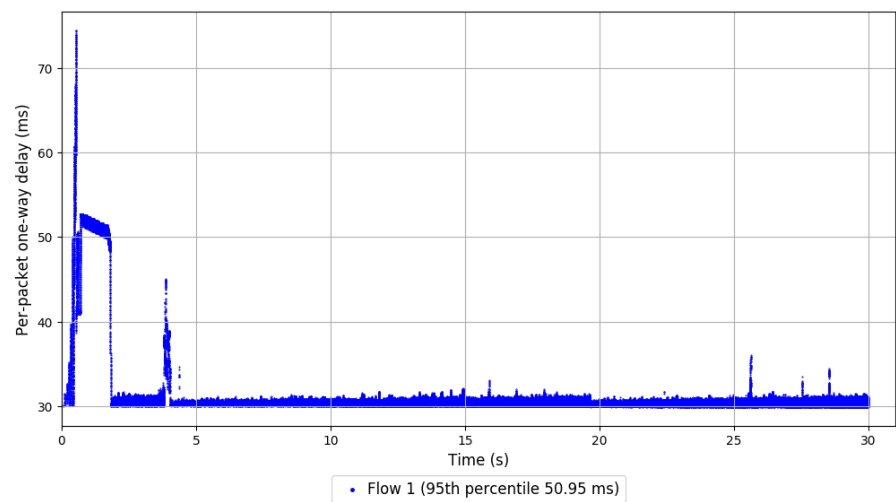
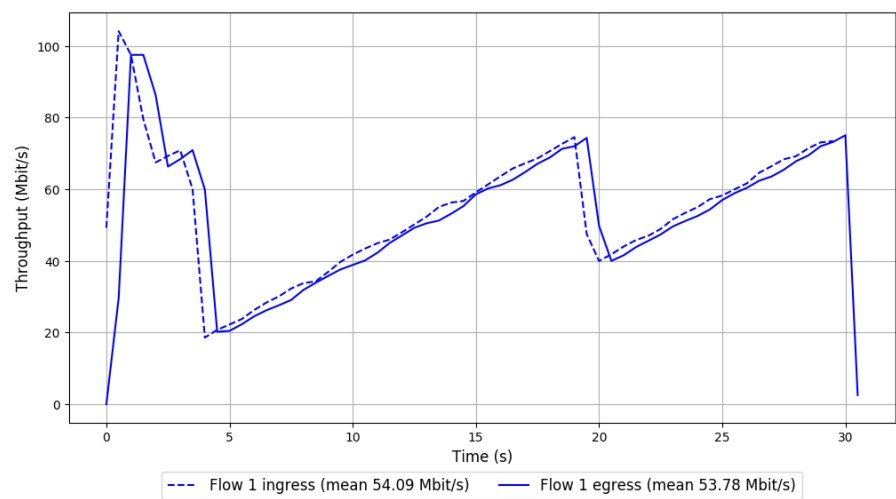
-- Flow 1:

Average throughput: 53.78 Mbit/s

95th percentile per-packet one-way delay: 50.948 ms

Loss rate: 0.57%

Run 1: Report of TCP Vegas — Data Link

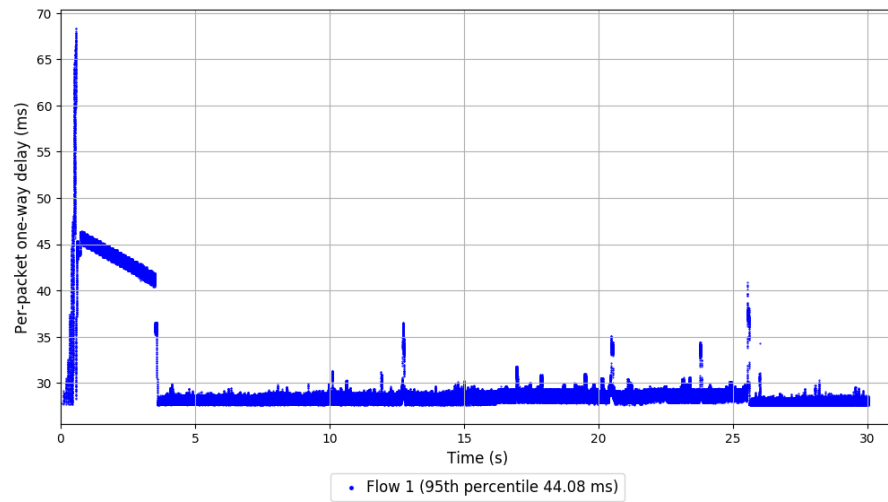
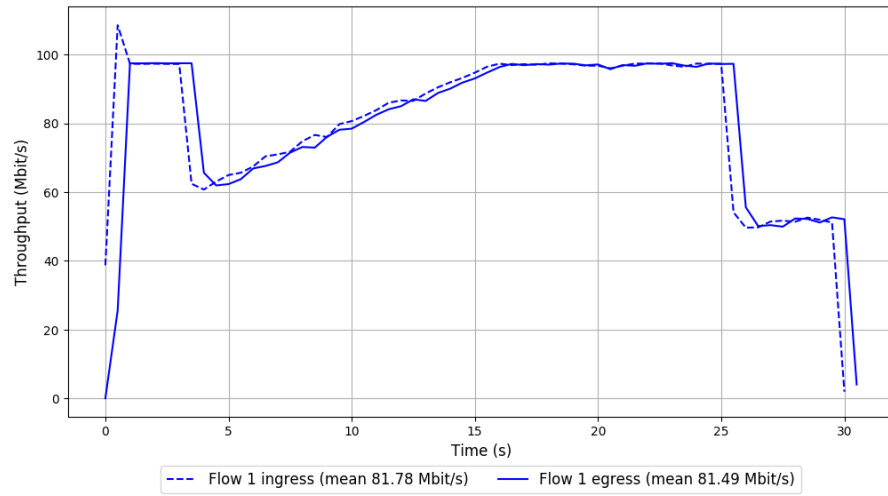


Run 2: Statistics of TCP Vegas

Start at: 2018-05-21 22:13:16
End at: 2018-05-21 22:13:46
Local clock offset: -2.783 ms
Remote clock offset: -0.924 ms

Below is generated by plot.py at 2018-05-22 01:26:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.49 Mbit/s
95th percentile per-packet one-way delay: 44.084 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 81.49 Mbit/s
95th percentile per-packet one-way delay: 44.084 ms
Loss rate: 0.35%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-21 22:34:06

End at: 2018-05-21 22:34:36

Local clock offset: -1.771 ms

Remote clock offset: 2.894 ms

Below is generated by plot.py at 2018-05-22 01:26:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.63 Mbit/s

95th percentile per-packet one-way delay: 33.190 ms

Loss rate: 0.29%

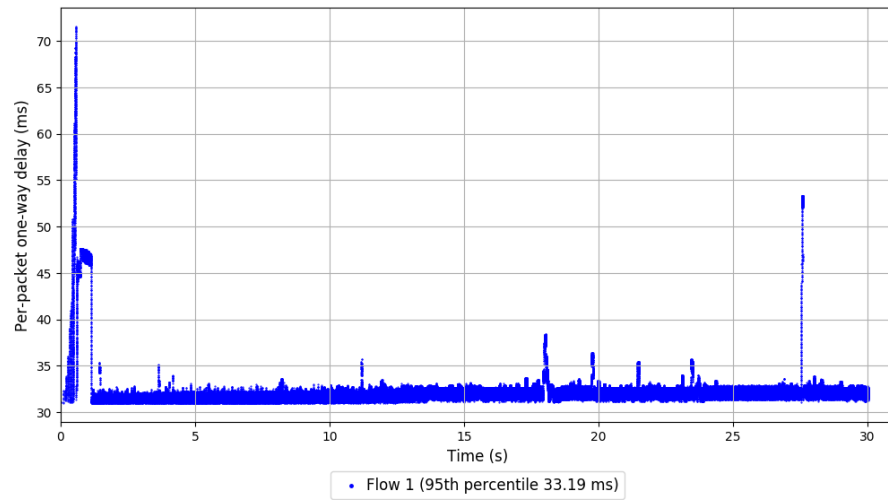
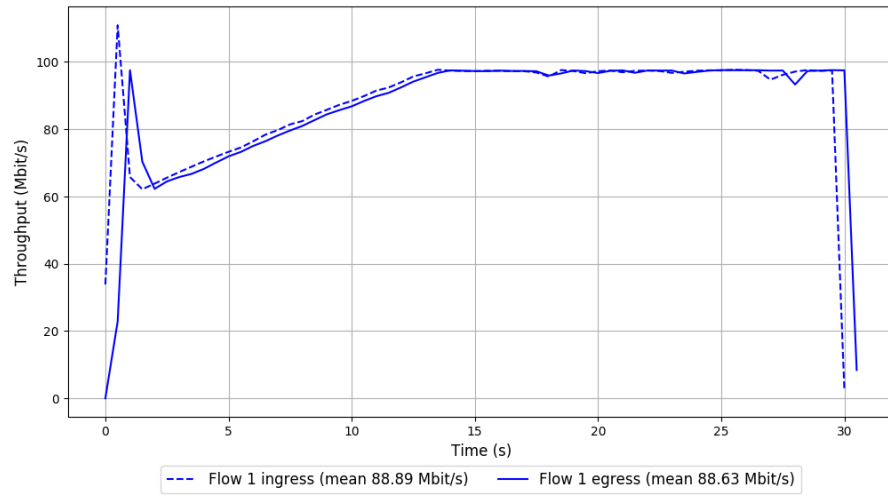
-- Flow 1:

Average throughput: 88.63 Mbit/s

95th percentile per-packet one-way delay: 33.190 ms

Loss rate: 0.29%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-05-21 22:54:49

End at: 2018-05-21 22:55:19

Local clock offset: -1.586 ms

Remote clock offset: 1.363 ms

Below is generated by plot.py at 2018-05-22 01:26:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.96 Mbit/s

95th percentile per-packet one-way delay: 47.444 ms

Loss rate: 0.46%

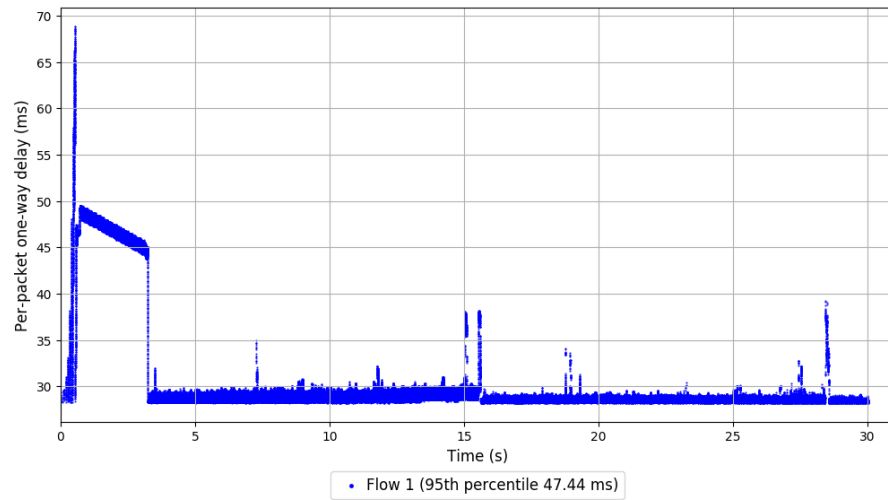
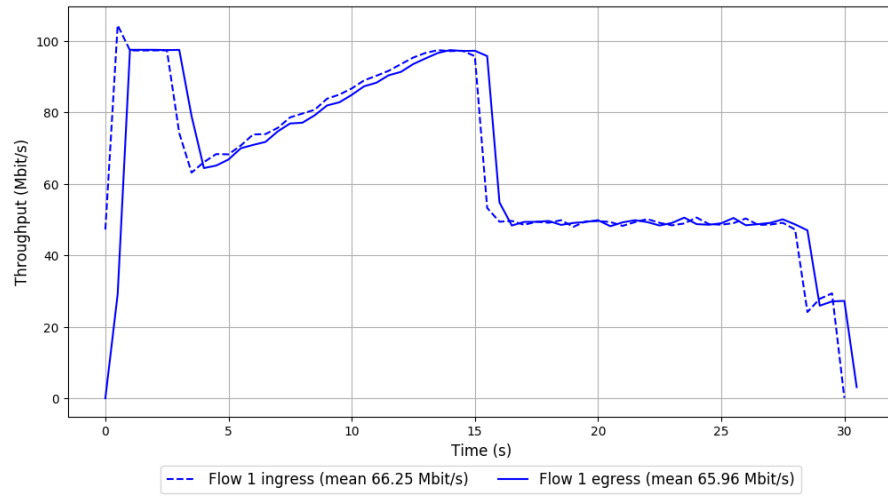
-- Flow 1:

Average throughput: 65.96 Mbit/s

95th percentile per-packet one-way delay: 47.444 ms

Loss rate: 0.46%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-21 23:15:34

End at: 2018-05-21 23:16:04

Local clock offset: -0.308 ms

Remote clock offset: 4.403 ms

Below is generated by plot.py at 2018-05-22 01:26:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.82 Mbit/s

95th percentile per-packet one-way delay: 49.293 ms

Loss rate: 0.31%

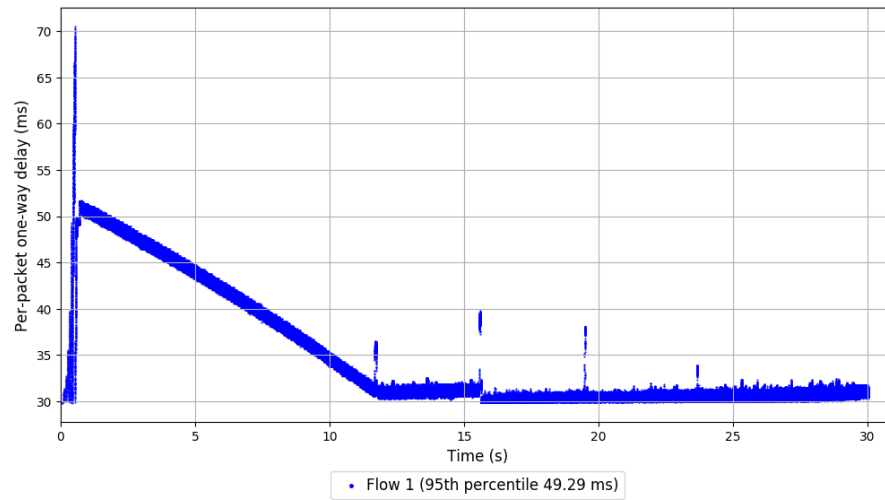
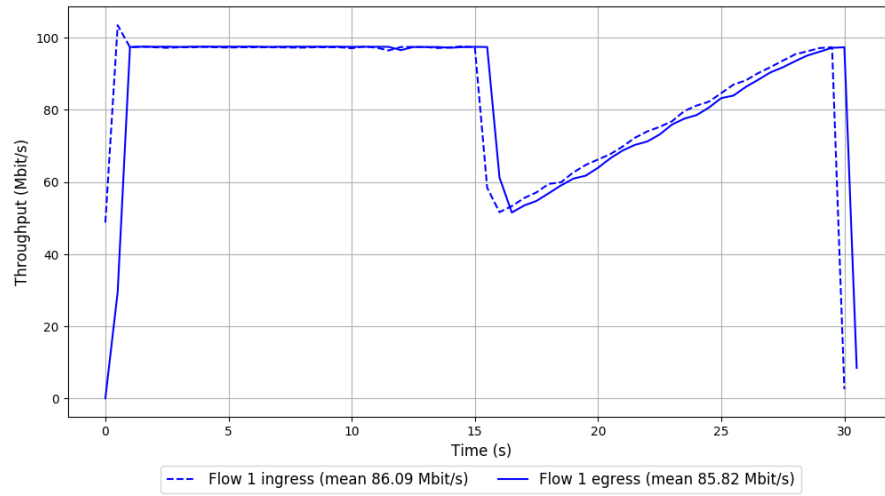
-- Flow 1:

Average throughput: 85.82 Mbit/s

95th percentile per-packet one-way delay: 49.293 ms

Loss rate: 0.31%

Run 5: Report of TCP Vegas — Data Link

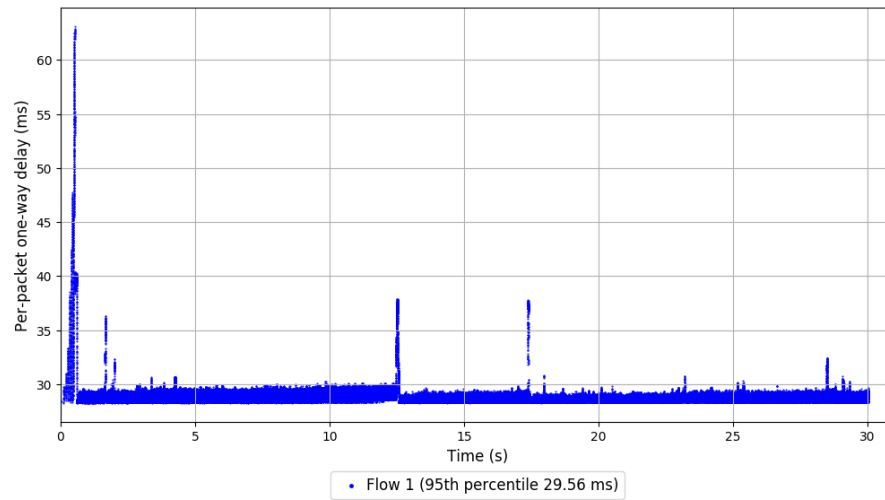
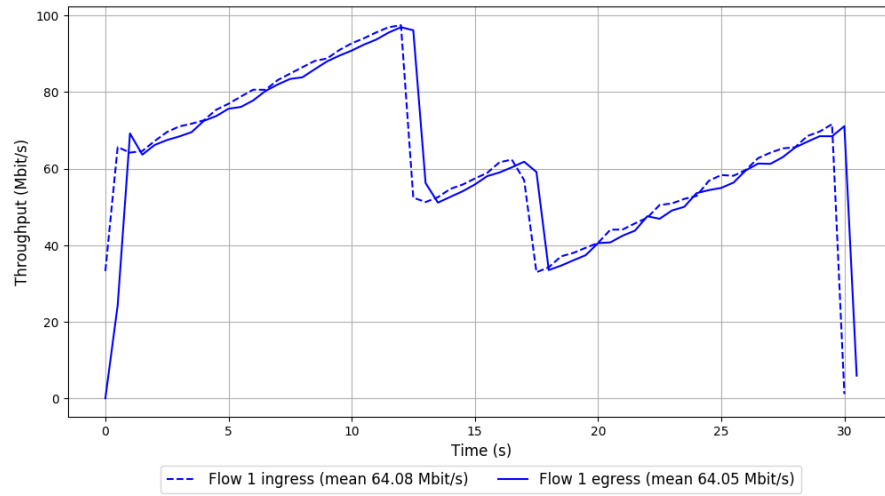


Run 6: Statistics of TCP Vegas

Start at: 2018-05-21 23:36:25
End at: 2018-05-21 23:36:55
Local clock offset: 0.02 ms
Remote clock offset: -2.718 ms

Below is generated by plot.py at 2018-05-22 01:26:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.05 Mbit/s
95th percentile per-packet one-way delay: 29.562 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 64.05 Mbit/s
95th percentile per-packet one-way delay: 29.562 ms
Loss rate: 0.04%

Run 6: Report of TCP Vegas — Data Link

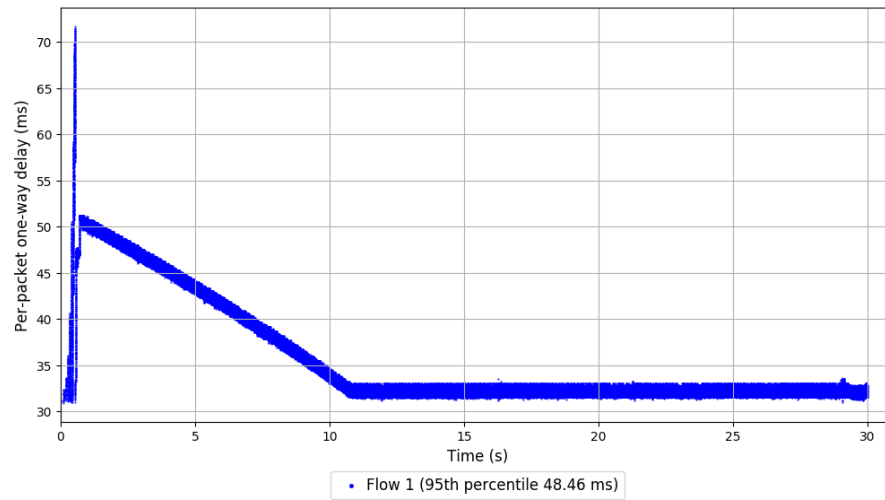
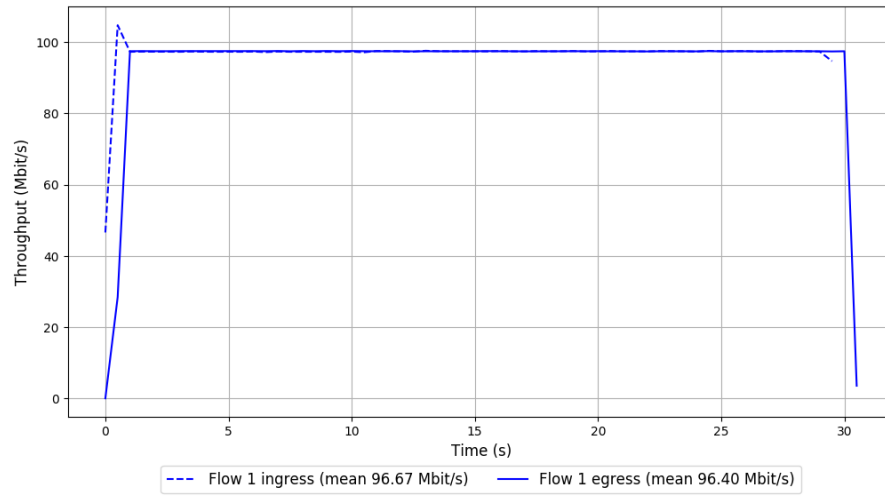


Run 7: Statistics of TCP Vegas

Start at: 2018-05-21 23:57:17
End at: 2018-05-21 23:57:47
Local clock offset: -0.504 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-05-22 01:26:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 48.459 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 48.459 ms
Loss rate: 0.27%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-22 00:17:59

End at: 2018-05-22 00:18:29

Local clock offset: 0.191 ms

Remote clock offset: 0.506 ms

Below is generated by plot.py at 2018-05-22 01:26:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.48 Mbit/s

95th percentile per-packet one-way delay: 44.103 ms

Loss rate: 0.32%

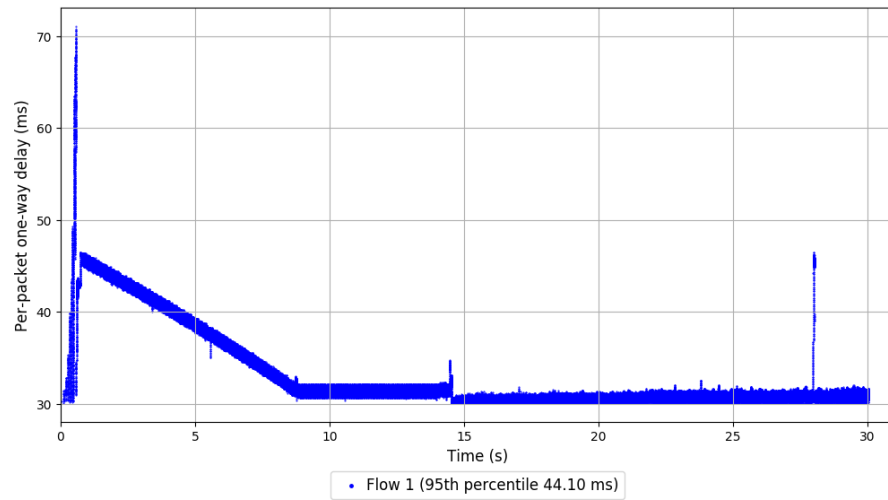
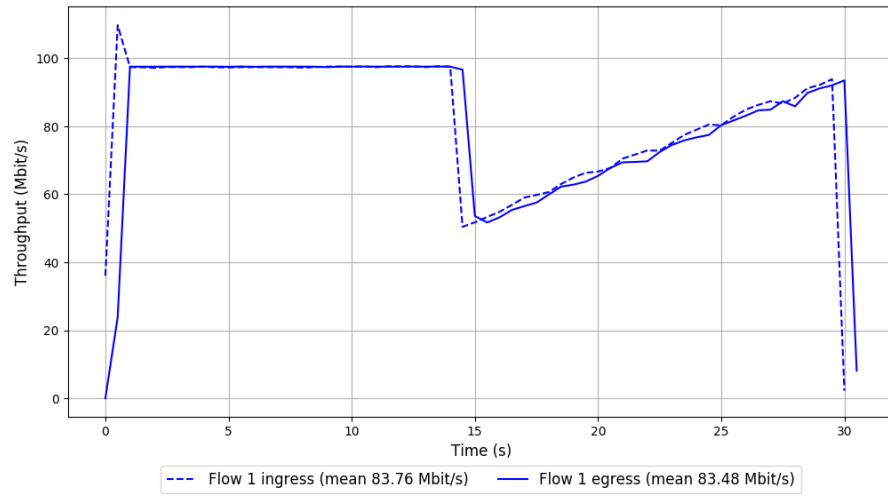
-- Flow 1:

Average throughput: 83.48 Mbit/s

95th percentile per-packet one-way delay: 44.103 ms

Loss rate: 0.32%

Run 8: Report of TCP Vegas — Data Link

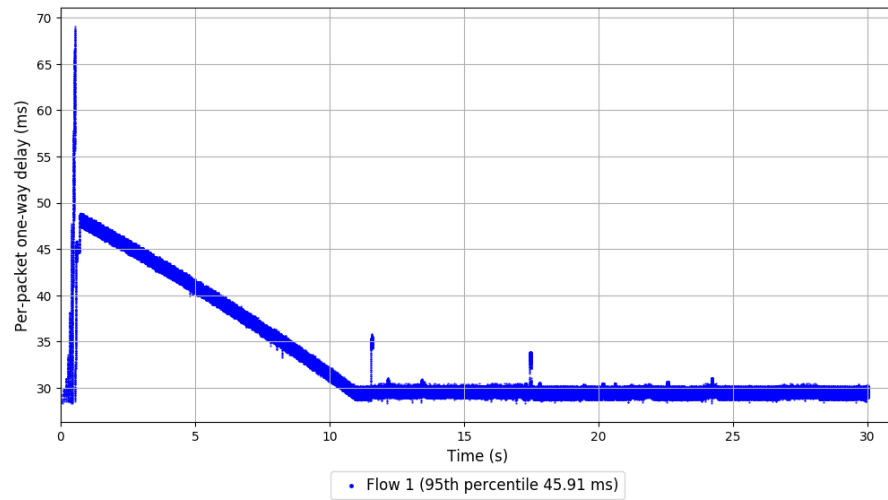
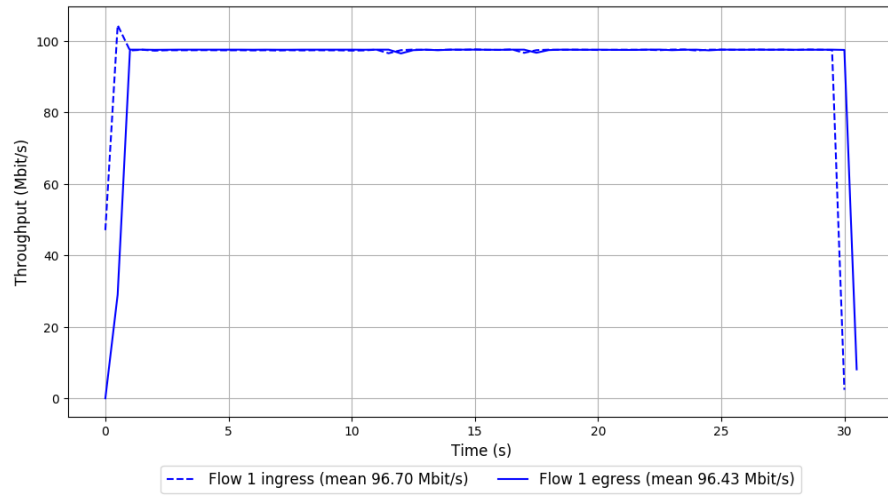


Run 9: Statistics of TCP Vegas

Start at: 2018-05-22 00:39:17
End at: 2018-05-22 00:39:47
Local clock offset: 1.42 ms
Remote clock offset: -1.872 ms

Below is generated by plot.py at 2018-05-22 01:27:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 45.910 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 45.910 ms
Loss rate: 0.27%

Run 9: Report of TCP Vegas — Data Link

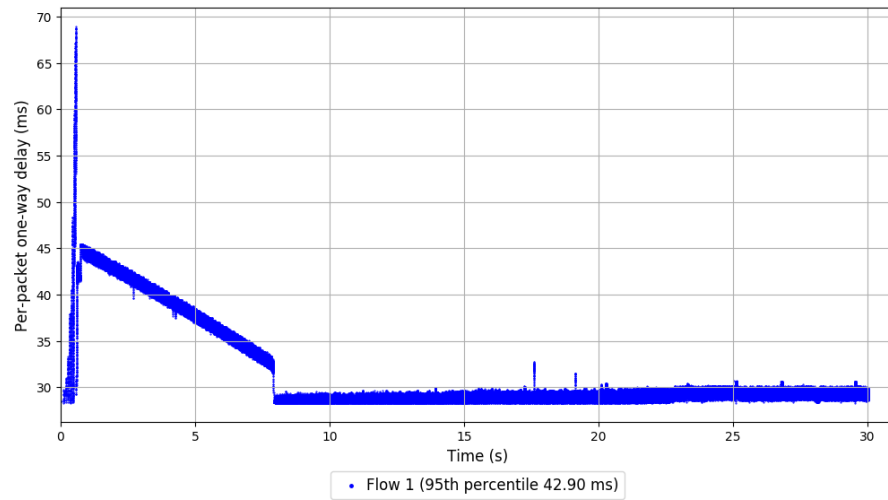
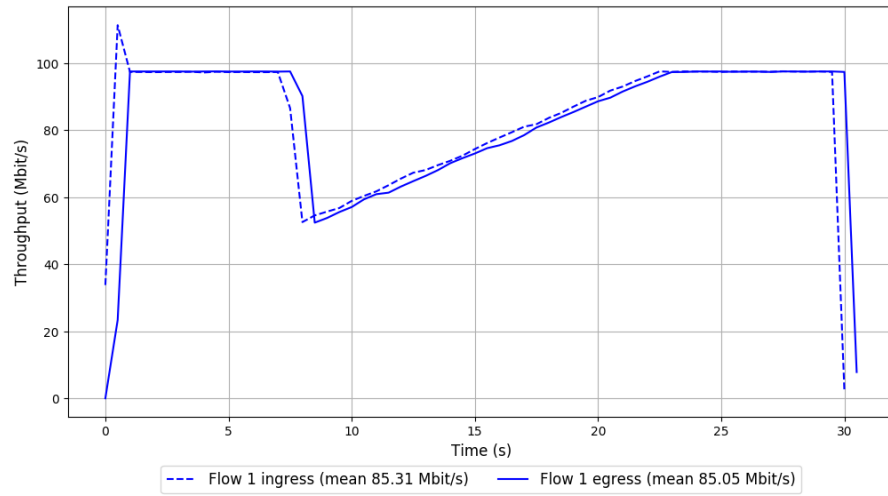


Run 10: Statistics of TCP Vegas

Start at: 2018-05-22 01:00:41
End at: 2018-05-22 01:01:11
Local clock offset: 1.532 ms
Remote clock offset: -1.723 ms

Below is generated by plot.py at 2018-05-22 01:27:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 42.897 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 42.897 ms
Loss rate: 0.31%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-21 21:40:57

End at: 2018-05-21 21:41:27

Local clock offset: -4.593 ms

Remote clock offset: -2.296 ms

Run 1: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Verus

Start at: 2018-05-21 22:01:38

End at: 2018-05-21 22:02:08

Local clock offset: -5.299 ms

Remote clock offset: 0.122 ms

Run 2: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Verus

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

End at: 2018-05-21 22:22:51

Local clock offset: -3.258 ms

Remote clock offset: 1.864 ms

Run 3: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Verus

Start at: 2018-05-21 22:43:10

End at: 2018-05-21 22:43:40

Local clock offset: -1.125 ms

Remote clock offset: 2.842 ms

Run 4: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Verus

Start at: 2018-05-21 23:03:53

End at: 2018-05-21 23:04:23

Local clock offset: -0.628 ms

Remote clock offset: 4.317 ms

Run 5: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Verus

Start at: 2018-05-21 23:24:40

End at: 2018-05-21 23:25:10

Local clock offset: -0.721 ms

Remote clock offset: 1.318 ms

Run 6: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Verus

Start at: 2018-05-21 23:45:33

End at: 2018-05-21 23:46:03

Local clock offset: -0.063 ms

Remote clock offset: -0.45 ms

Run 7: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of Verus

Start at: 2018-05-22 00:06:21

End at: 2018-05-22 00:06:51

Local clock offset: 0.183 ms

Remote clock offset: -0.259 ms

Run 8: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Verus

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

End at: 2018-05-22 00:27:40

Local clock offset: 0.102 ms

Remote clock offset: 0.636 ms

Run 9: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Verus

Start at: 2018-05-22 00:48:46

End at: 2018-05-22 00:49:16

Local clock offset: 1.721 ms

Remote clock offset: -1.724 ms

Run 10: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of PCC-Vivace

Start at: 2018-05-21 21:43:30

End at: 2018-05-21 21:44:00

Local clock offset: -5.18 ms

Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-05-22 01:27:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.54 Mbit/s

95th percentile per-packet one-way delay: 31.339 ms

Loss rate: 0.04%

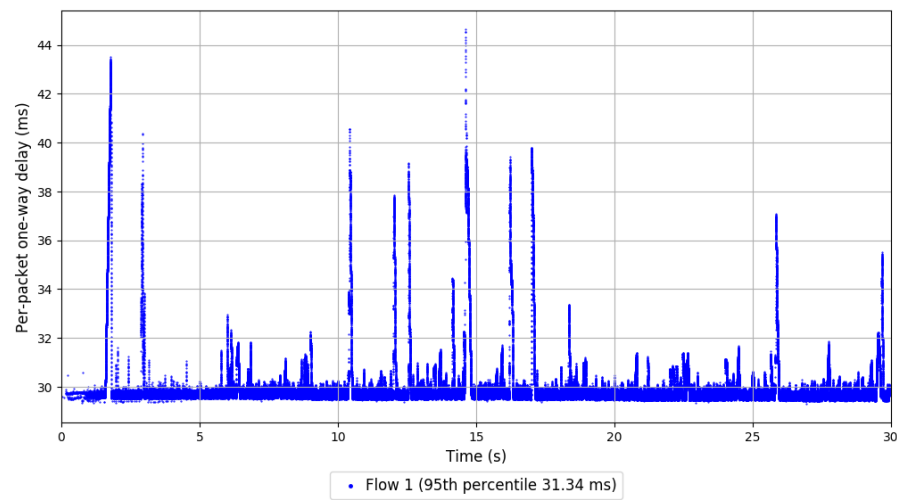
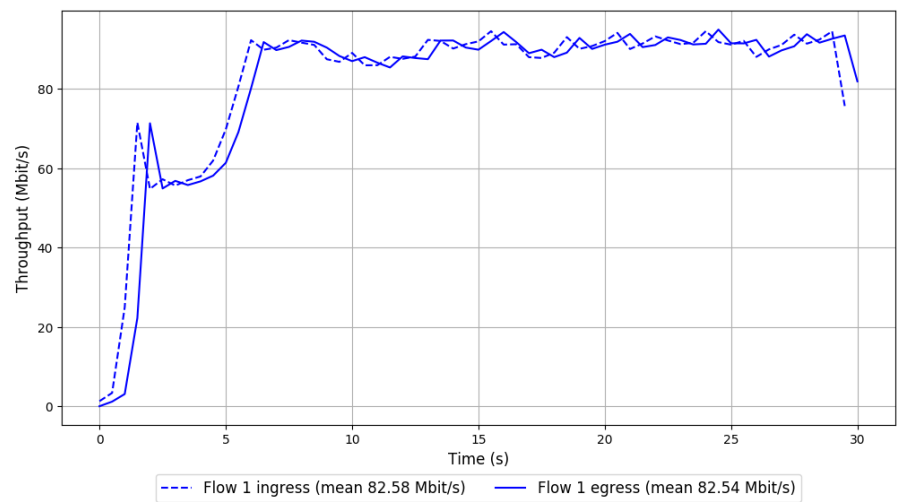
-- Flow 1:

Average throughput: 82.54 Mbit/s

95th percentile per-packet one-way delay: 31.339 ms

Loss rate: 0.04%

Run 1: Report of PCC-Vivace — Data Link

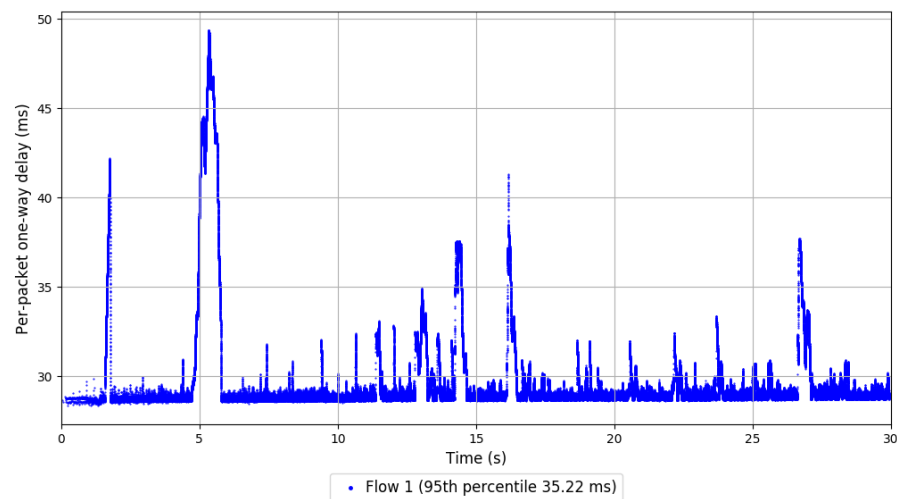
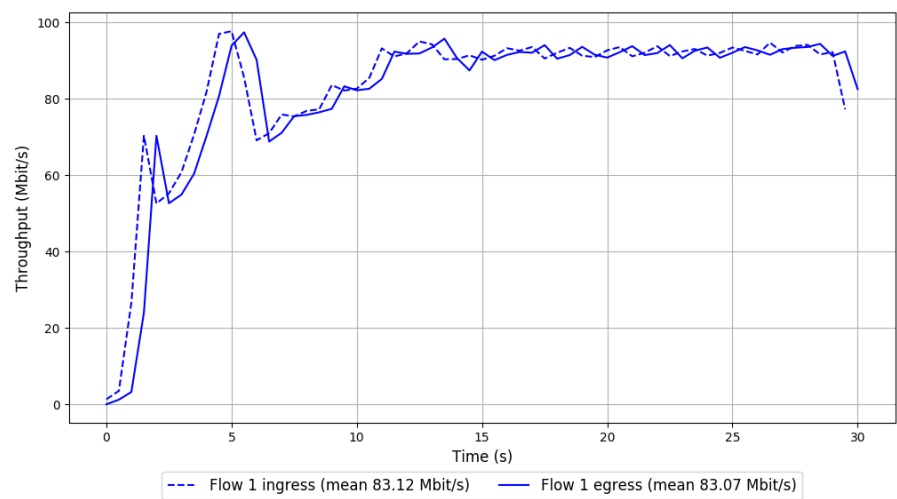


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-21 22:04:11
End at: 2018-05-21 22:04:41
Local clock offset: -4.201 ms
Remote clock offset: -1.836 ms

Below is generated by plot.py at 2018-05-22 01:27:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.07 Mbit/s
95th percentile per-packet one-way delay: 35.216 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 83.07 Mbit/s
95th percentile per-packet one-way delay: 35.216 ms
Loss rate: 0.07%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-21 22:24:53

End at: 2018-05-21 22:25:23

Local clock offset: -3.543 ms

Remote clock offset: 2.524 ms

Below is generated by plot.py at 2018-05-22 01:27:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.09 Mbit/s

95th percentile per-packet one-way delay: 35.984 ms

Loss rate: 0.18%

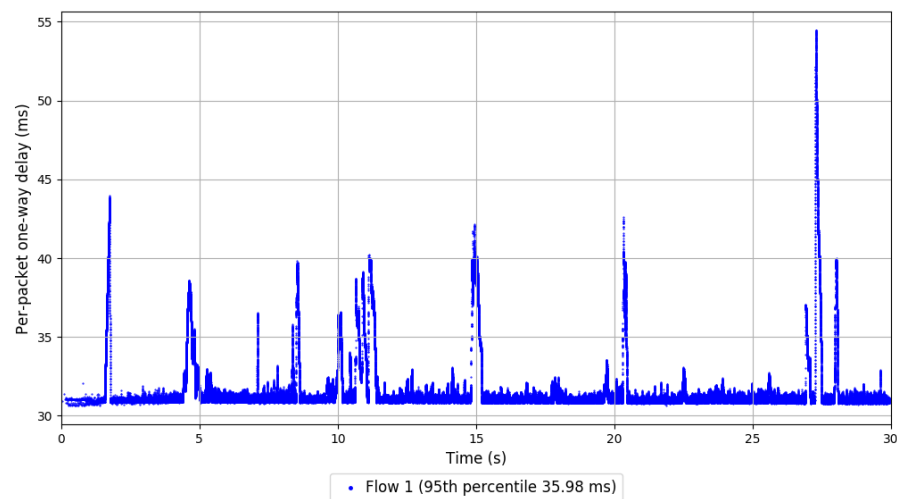
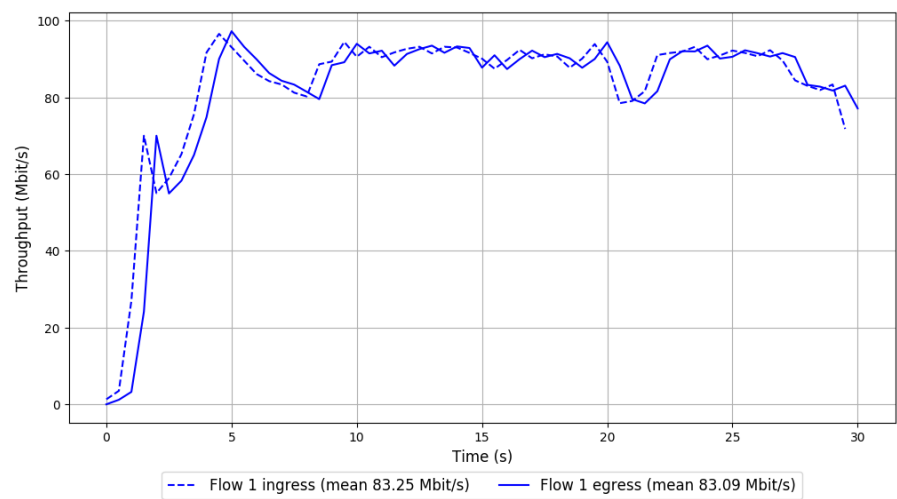
-- Flow 1:

Average throughput: 83.09 Mbit/s

95th percentile per-packet one-way delay: 35.984 ms

Loss rate: 0.18%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-21 22:45:42

End at: 2018-05-21 22:46:12

Local clock offset: -1.162 ms

Remote clock offset: 3.051 ms

Below is generated by plot.py at 2018-05-22 01:27:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.83 Mbit/s

95th percentile per-packet one-way delay: 32.708 ms

Loss rate: 0.03%

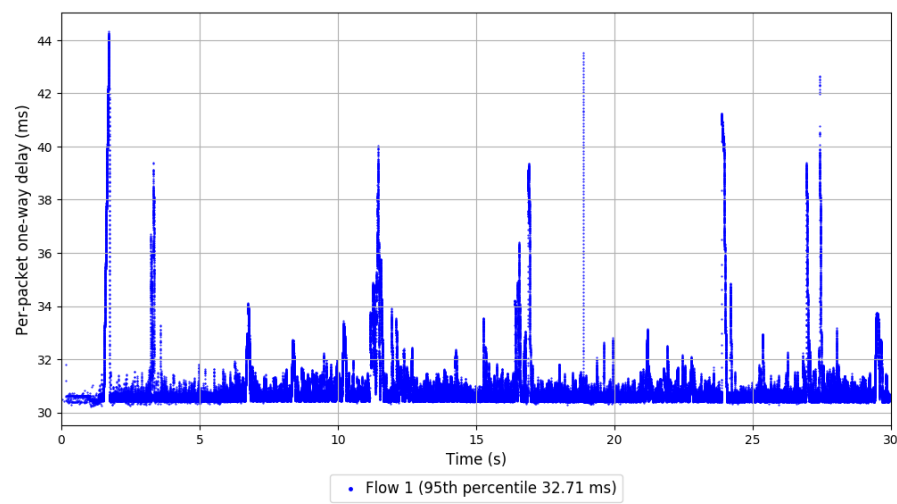
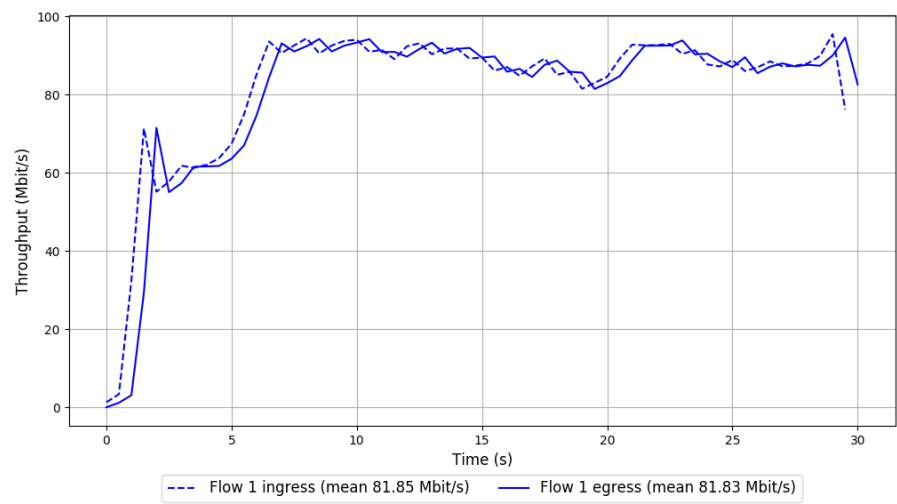
-- Flow 1:

Average throughput: 81.83 Mbit/s

95th percentile per-packet one-way delay: 32.708 ms

Loss rate: 0.03%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-21 23:06:25

End at: 2018-05-21 23:06:55

Local clock offset: -0.385 ms

Remote clock offset: 1.91 ms

Below is generated by plot.py at 2018-05-22 01:27:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.86 Mbit/s

95th percentile per-packet one-way delay: 35.192 ms

Loss rate: 0.08%

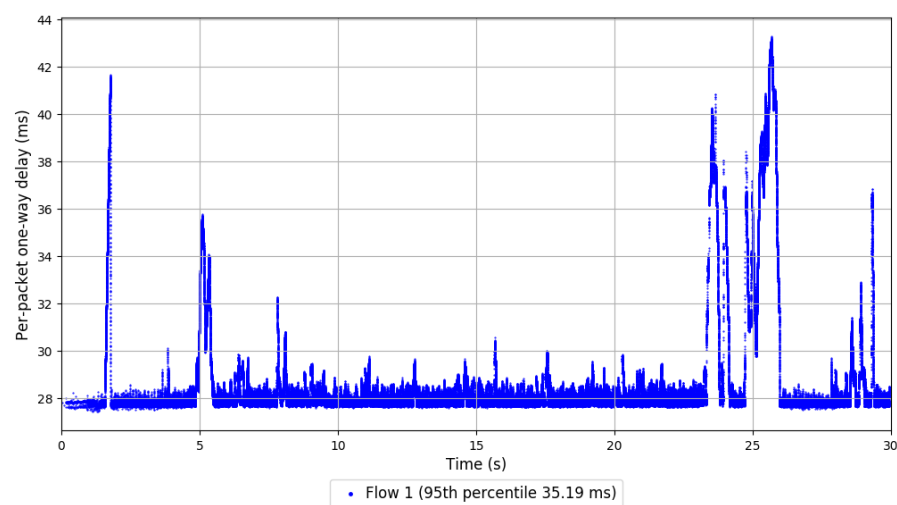
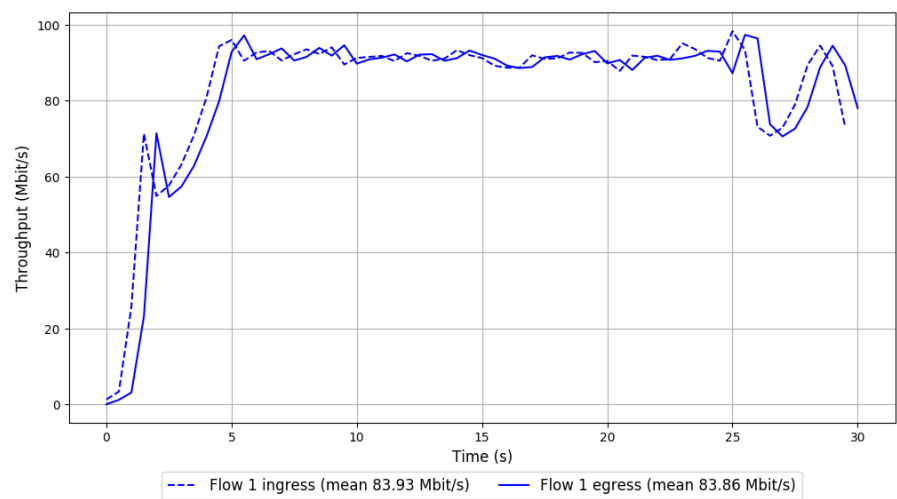
-- Flow 1:

Average throughput: 83.86 Mbit/s

95th percentile per-packet one-way delay: 35.192 ms

Loss rate: 0.08%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-21 23:27:13

End at: 2018-05-21 23:27:43

Local clock offset: -0.779 ms

Remote clock offset: 0.409 ms

Below is generated by plot.py at 2018-05-22 01:28:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.42 Mbit/s

95th percentile per-packet one-way delay: 40.352 ms

Loss rate: 0.00%

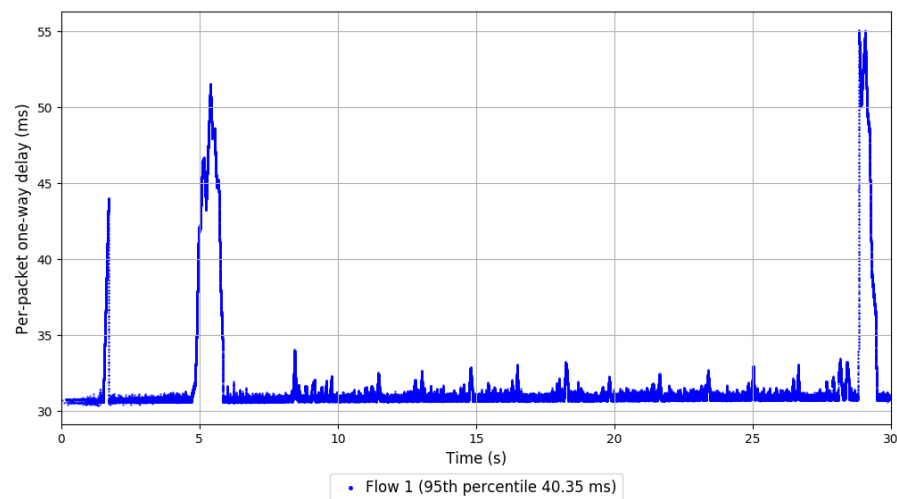
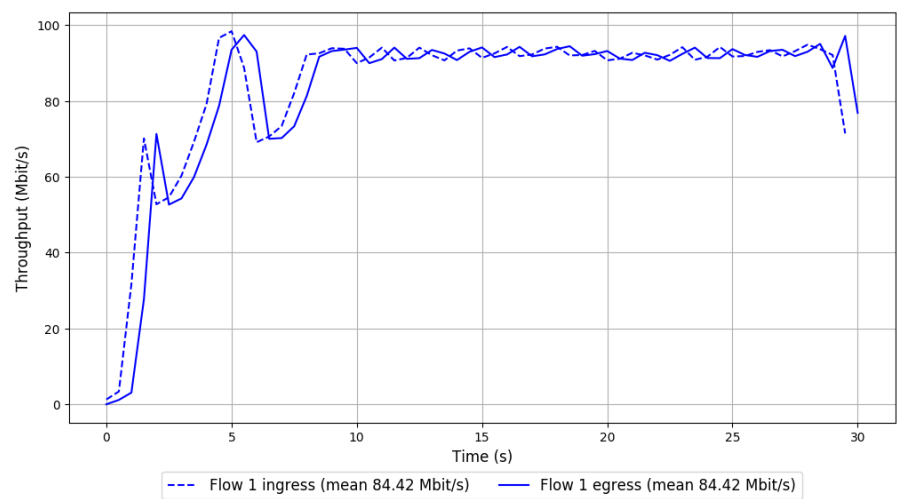
-- Flow 1:

Average throughput: 84.42 Mbit/s

95th percentile per-packet one-way delay: 40.352 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

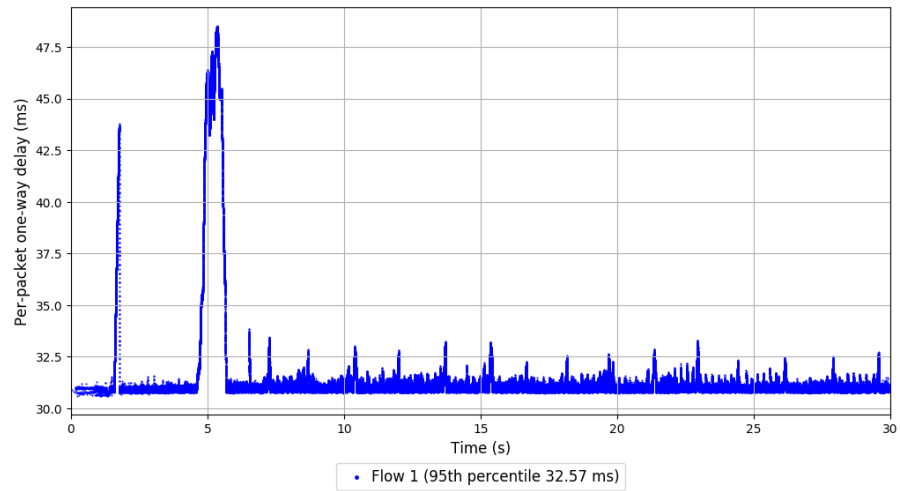
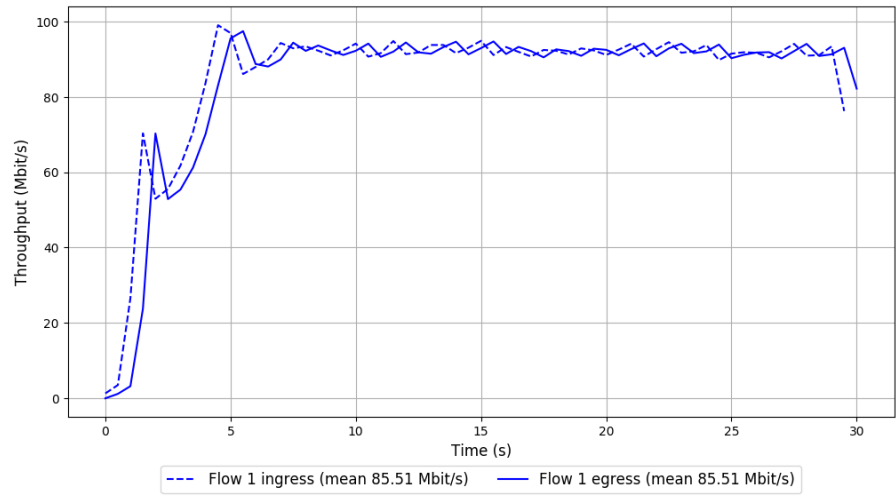


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-21 23:48:07
End at: 2018-05-21 23:48:37
Local clock offset: -0.139 ms
Remote clock offset: -0.505 ms

Below is generated by plot.py at 2018-05-22 01:28:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.51 Mbit/s
95th percentile per-packet one-way delay: 32.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.51 Mbit/s
95th percentile per-packet one-way delay: 32.572 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-22 00:08:53

End at: 2018-05-22 00:09:23

Local clock offset: 0.221 ms

Remote clock offset: 0.314 ms

Below is generated by plot.py at 2018-05-22 01:28:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.17 Mbit/s

95th percentile per-packet one-way delay: 34.829 ms

Loss rate: 0.00%

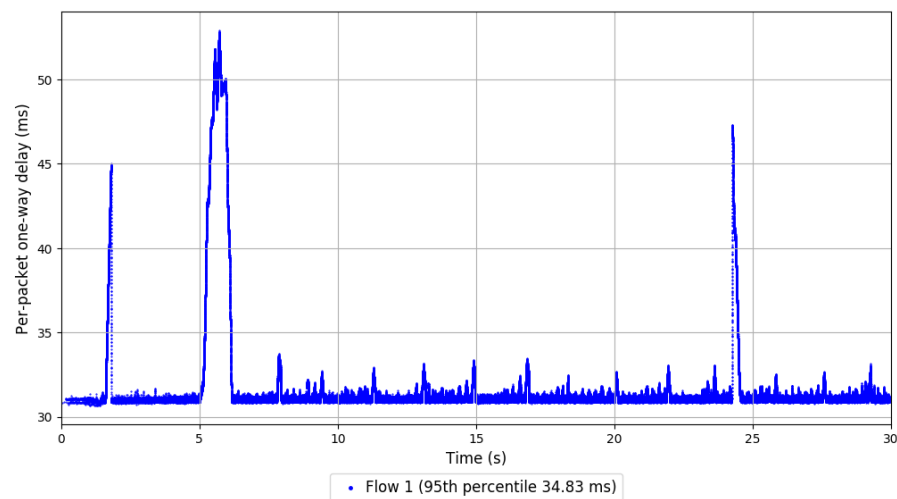
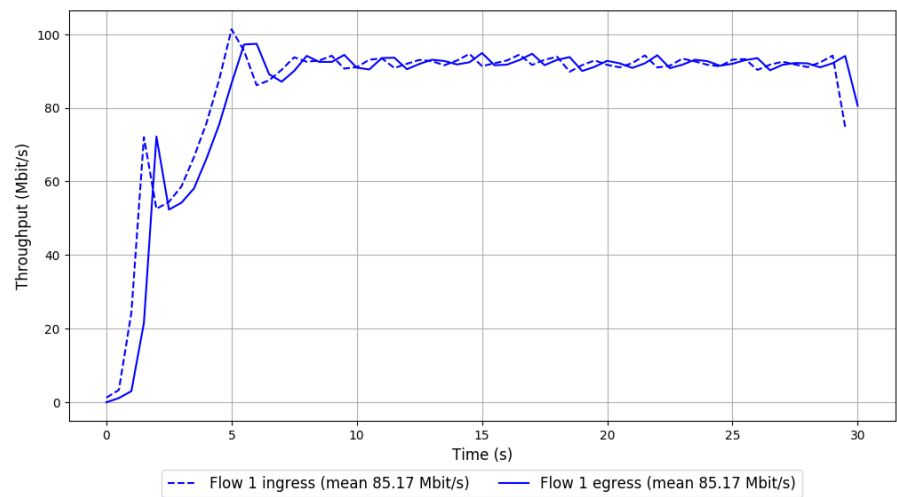
-- Flow 1:

Average throughput: 85.17 Mbit/s

95th percentile per-packet one-way delay: 34.829 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-22 00:29:44

End at: 2018-05-22 00:30:14

Local clock offset: 0.527 ms

Remote clock offset: -1.956 ms

Below is generated by plot.py at 2018-05-22 01:28:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.51 Mbit/s

95th percentile per-packet one-way delay: 29.295 ms

Loss rate: 0.00%

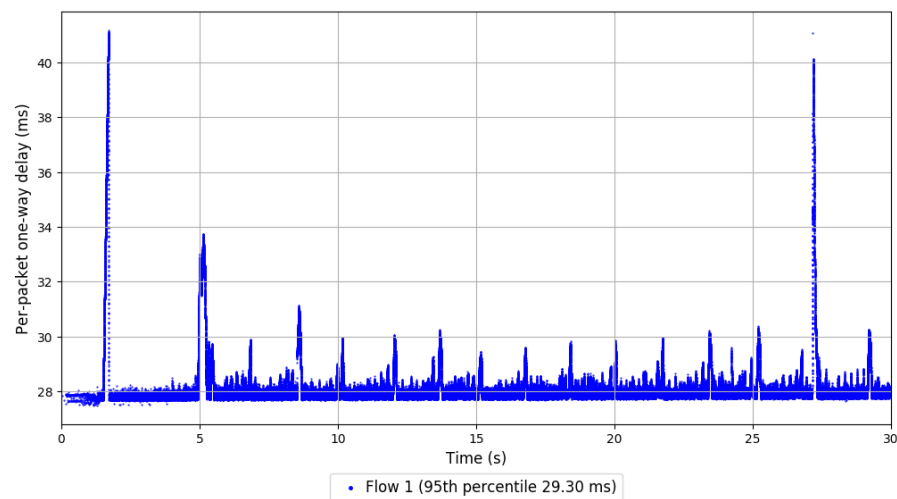
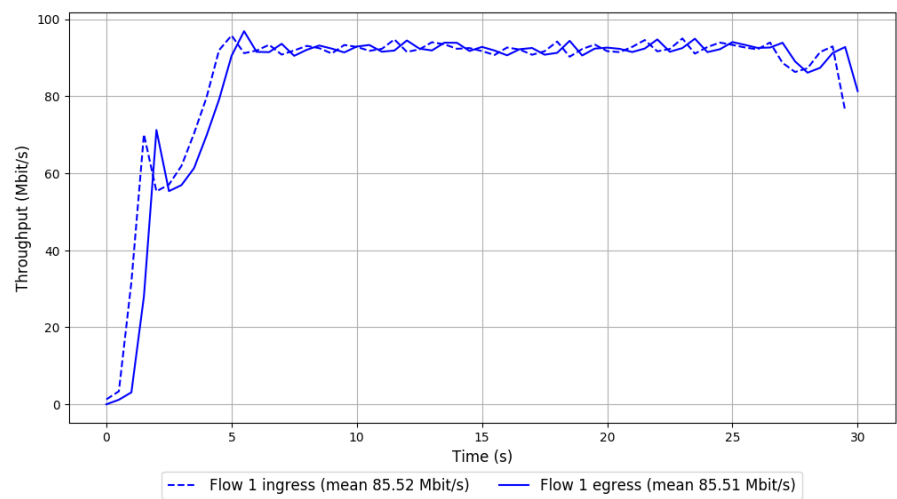
-- Flow 1:

Average throughput: 85.51 Mbit/s

95th percentile per-packet one-way delay: 29.295 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-22 00:51:21

End at: 2018-05-22 00:51:51

Local clock offset: 1.679 ms

Remote clock offset: 0.757 ms

Below is generated by plot.py at 2018-05-22 01:28:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.85 Mbit/s

95th percentile per-packet one-way delay: 31.848 ms

Loss rate: 0.00%

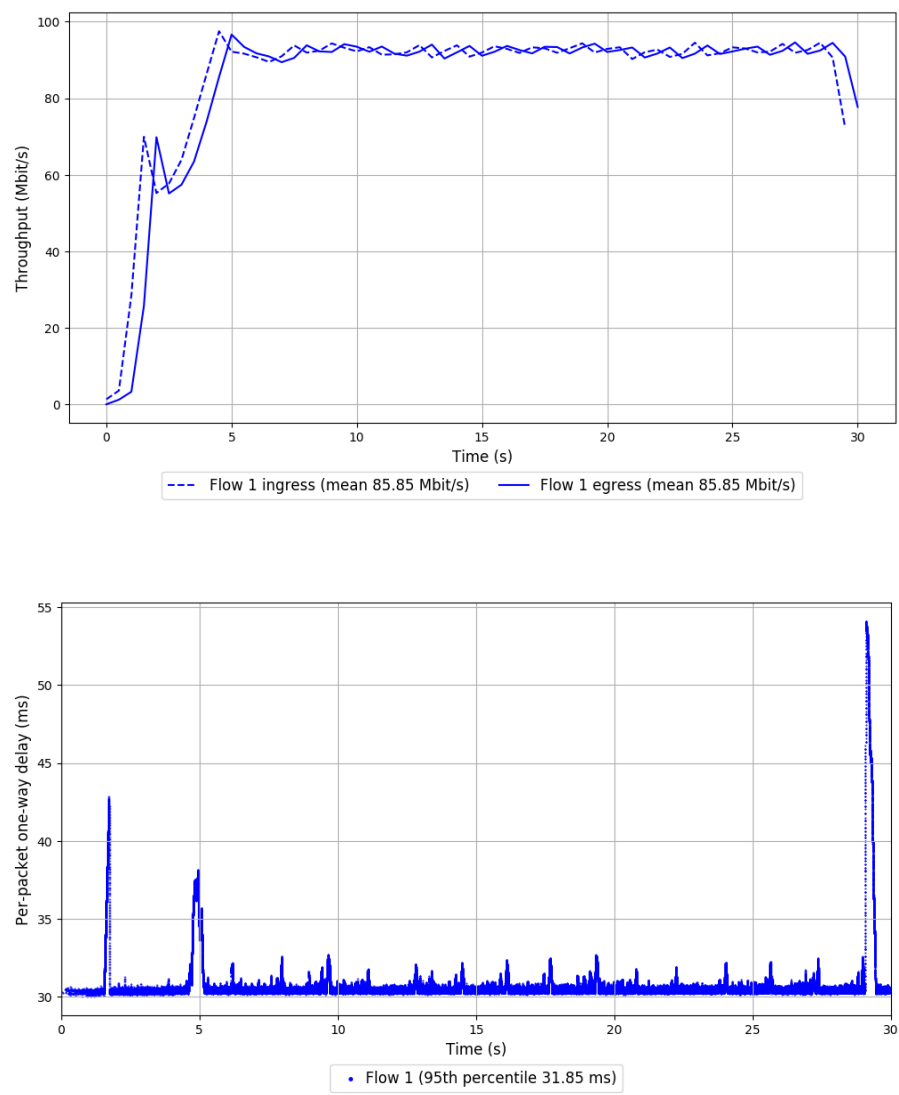
-- Flow 1:

Average throughput: 85.85 Mbit/s

95th percentile per-packet one-way delay: 31.848 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

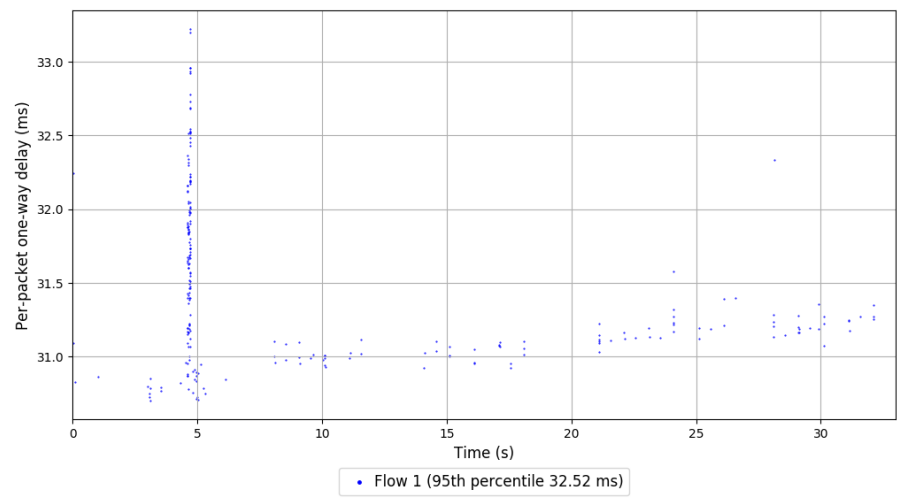
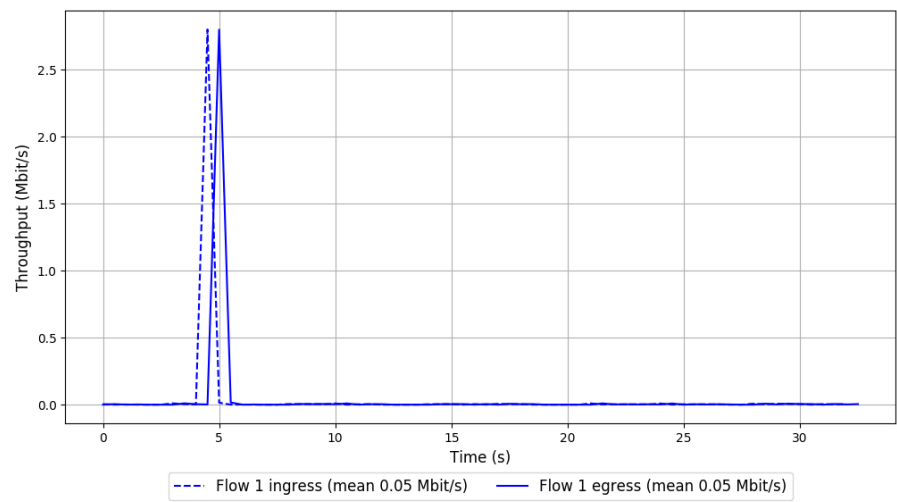


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-21 21:57:47
End at: 2018-05-21 21:58:17
Local clock offset: -7.931 ms
Remote clock offset: 0.071 ms

# Below is generated by plot.py at 2018-05-22 01:28:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.522 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.522 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-05-21 22:18:28

End at: 2018-05-21 22:18:58

Local clock offset: -2.928 ms

Remote clock offset: 1.583 ms

Below is generated by plot.py at 2018-05-22 01:28:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 31.381 ms

Loss rate: 0.00%

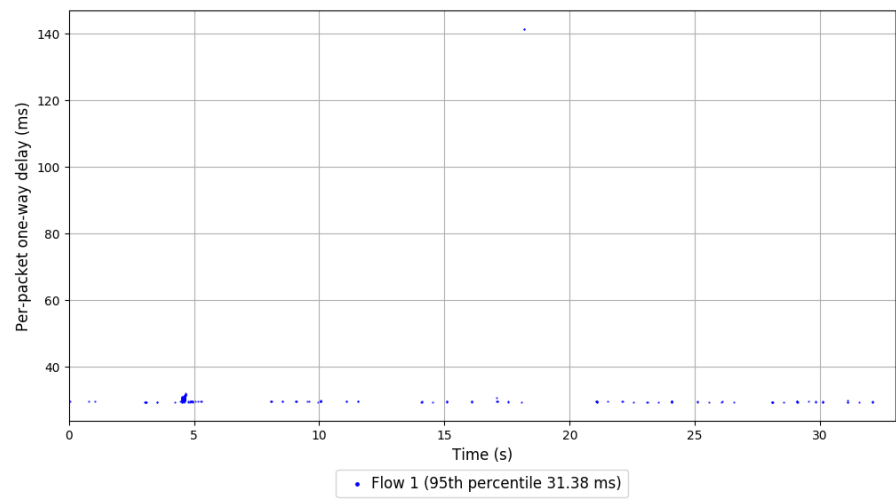
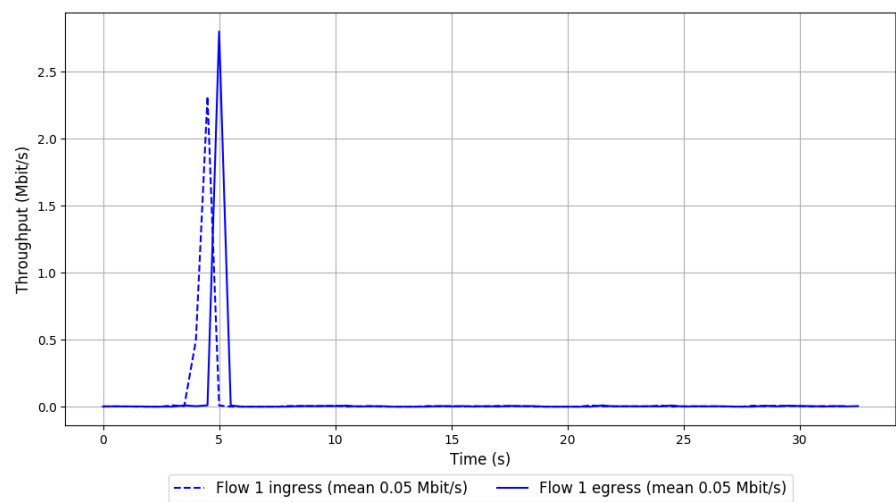
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 31.381 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-05-21 22:39:18

End at: 2018-05-21 22:39:48

Local clock offset: -1.27 ms

Remote clock offset: 2.605 ms

Below is generated by plot.py at 2018-05-22 01:28:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 32.051 ms

Loss rate: 0.00%

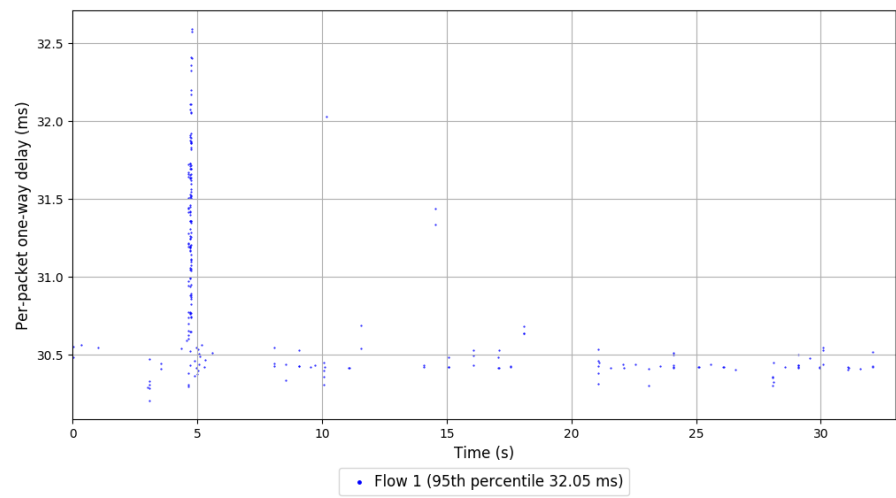
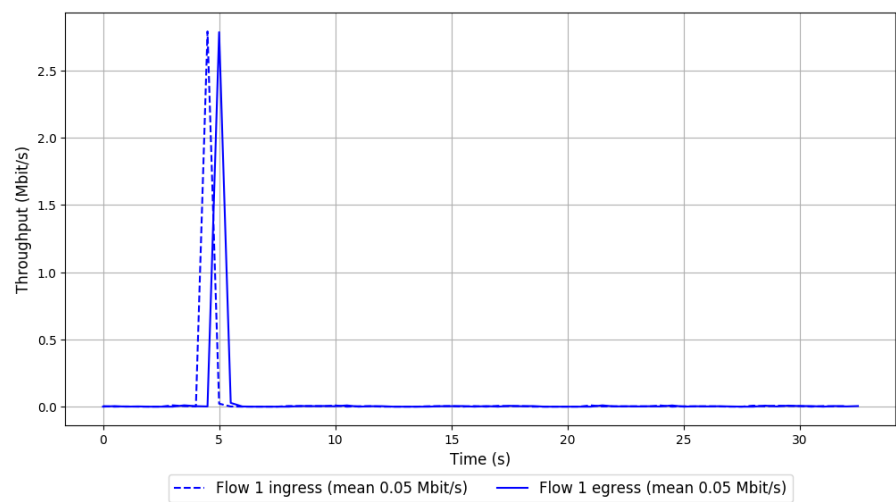
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 32.051 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-21 23:00:01

End at: 2018-05-21 23:00:31

Local clock offset: -1.012 ms

Remote clock offset: 3.636 ms

Below is generated by plot.py at 2018-05-22 01:28:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 31.505 ms

Loss rate: 0.00%

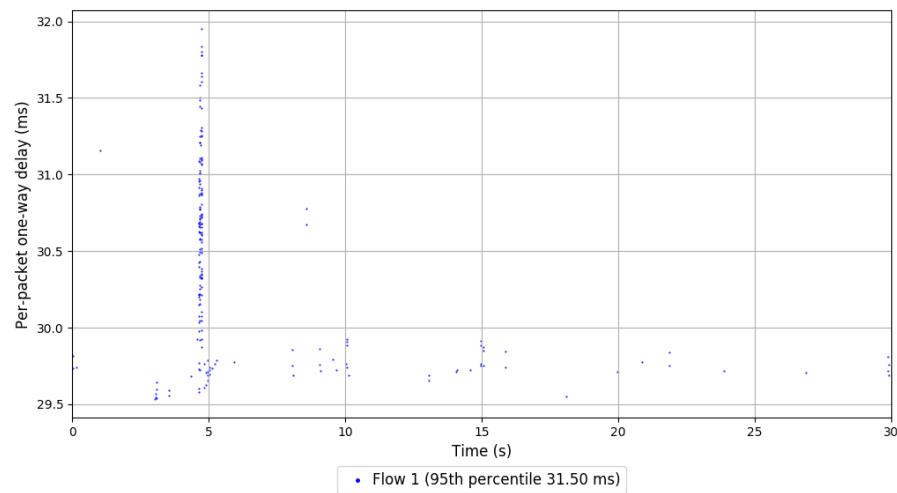
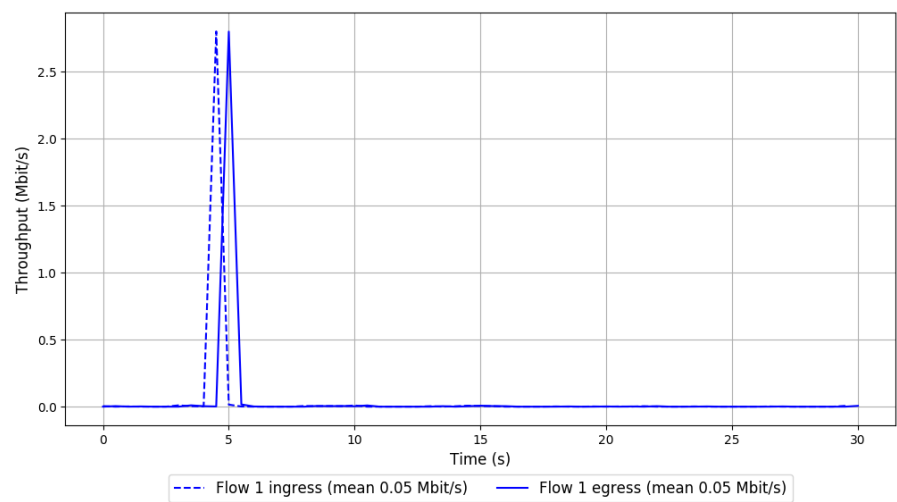
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 31.505 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-21 23:20:47

End at: 2018-05-21 23:21:17

Local clock offset: -0.51 ms

Remote clock offset: 1.973 ms

Below is generated by plot.py at 2018-05-22 01:28:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 31.342 ms

Loss rate: 0.00%

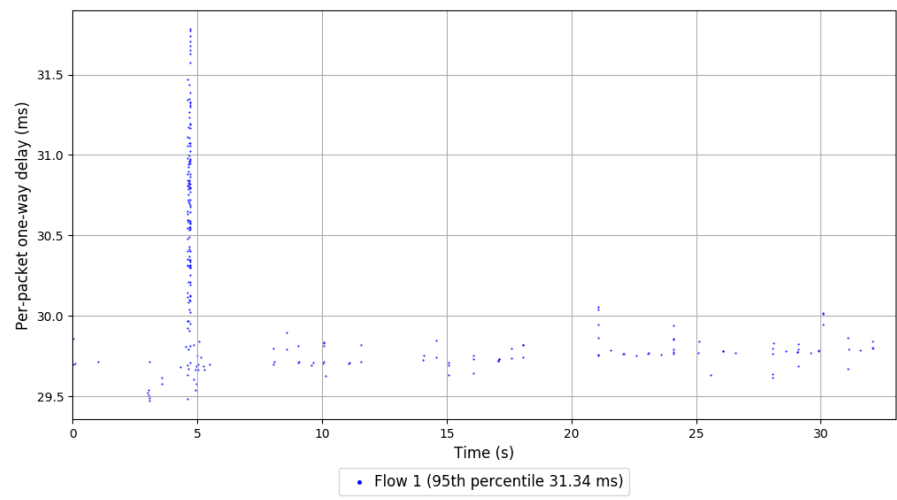
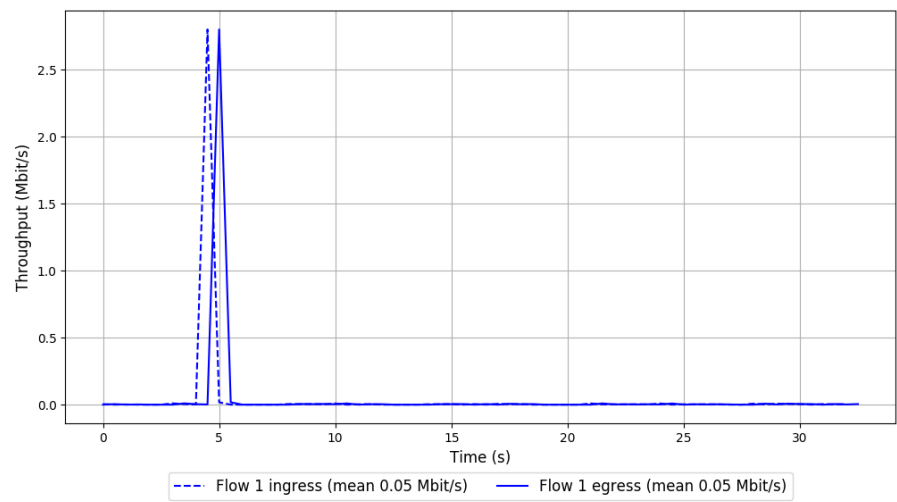
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 31.342 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-21 23:41:39

End at: 2018-05-21 23:42:10

Local clock offset: -0.082 ms

Remote clock offset: -0.39 ms

Below is generated by plot.py at 2018-05-22 01:28:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 32.623 ms

Loss rate: 0.00%

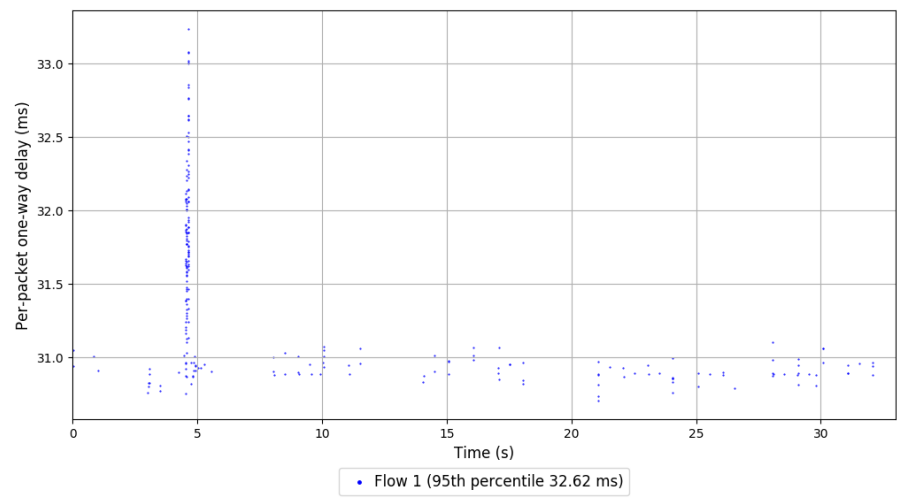
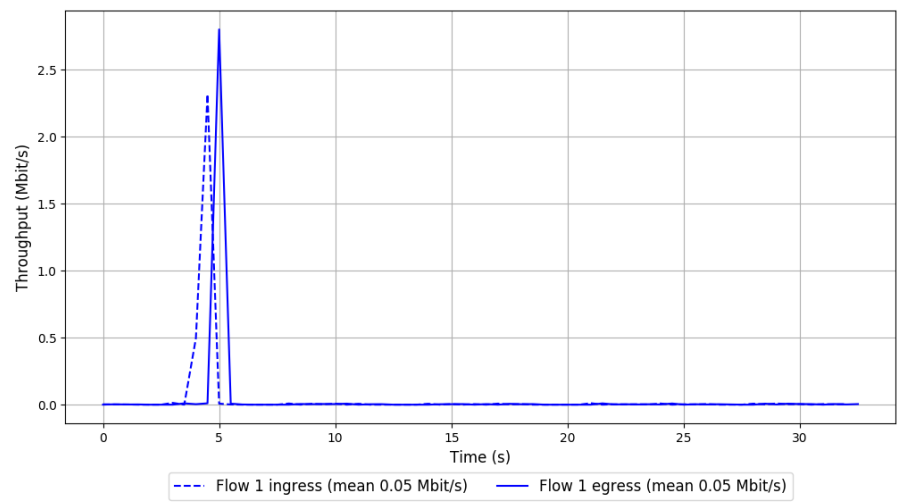
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 32.623 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

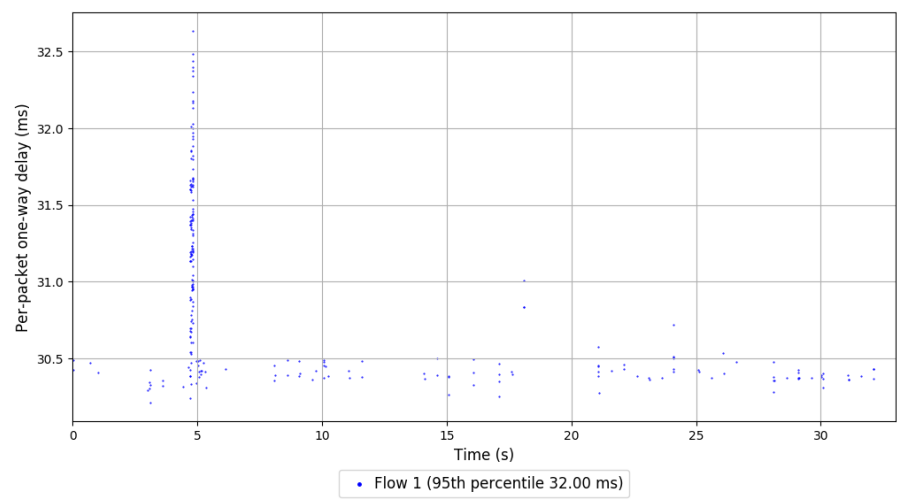
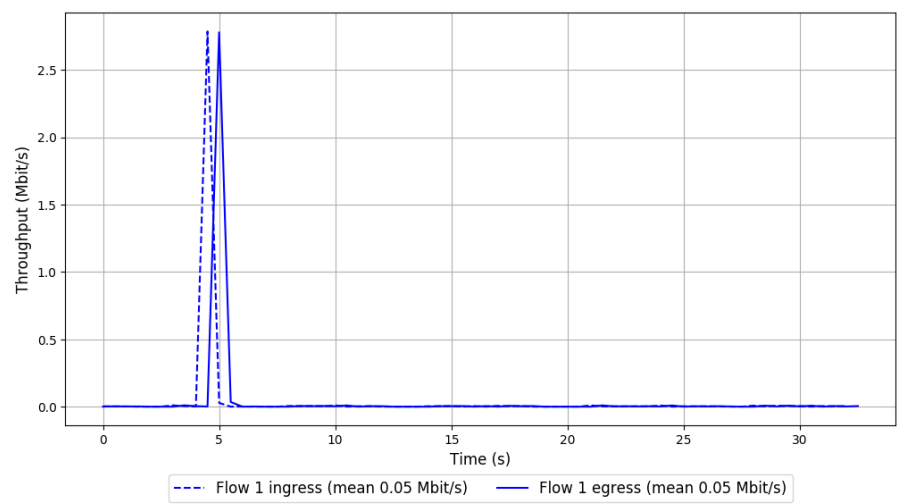


Run 7: Statistics of WebRTC media

Start at: 2018-05-22 00:02:30
End at: 2018-05-22 00:03:00
Local clock offset: 0.008 ms
Remote clock offset: -0.348 ms

Below is generated by plot.py at 2018-05-22 01:28:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 31.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 31.998 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-22 00:23:14

End at: 2018-05-22 00:23:44

Local clock offset: 0.084 ms

Remote clock offset: 0.631 ms

Below is generated by plot.py at 2018-05-22 01:28:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 32.355 ms

Loss rate: 0.00%

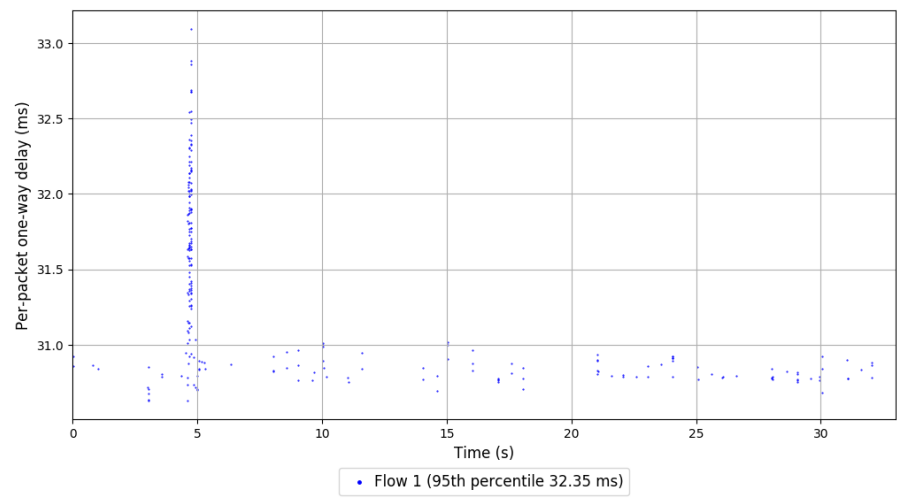
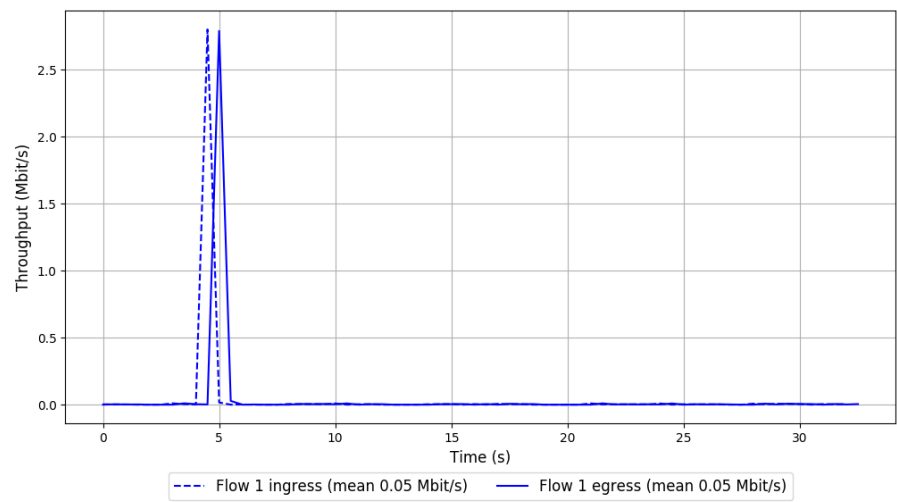
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 32.355 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

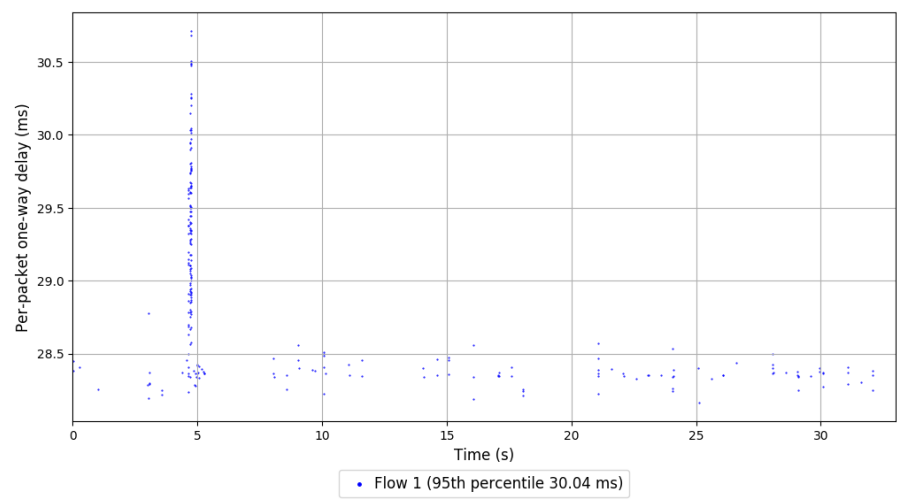
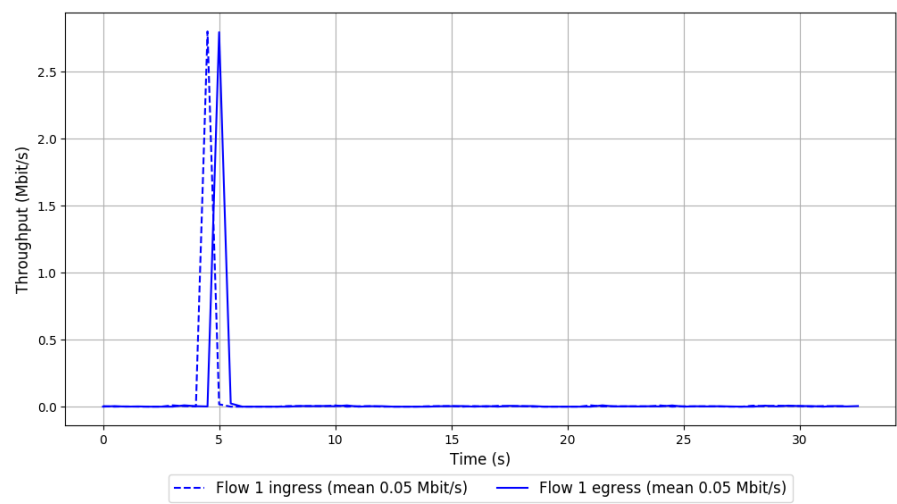


Run 9: Statistics of WebRTC media

Start at: 2018-05-22 00:44:42
End at: 2018-05-22 00:45:12
Local clock offset: 1.631 ms
Remote clock offset: -1.763 ms

Below is generated by plot.py at 2018-05-22 01:28:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 30.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 30.036 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-22 01:05:53

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

Local clock offset: 1.272 ms

Remote clock offset: 0.689 ms

Below is generated by plot.py at 2018-05-22 01:28:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 31.638 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 31.638 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

