

Pantheon Report

Generated at 2017-08-29 15:02:00 (UTC).

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

Repeated the test of 15 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).

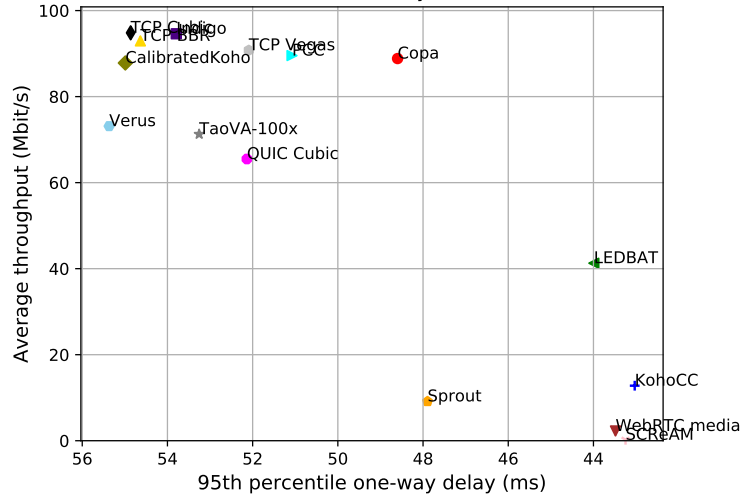
Tested BBR with qdisc of Fair Queuing (*fq*), and other schemes with the default Linux qdisc (*pfifo_fast*).

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

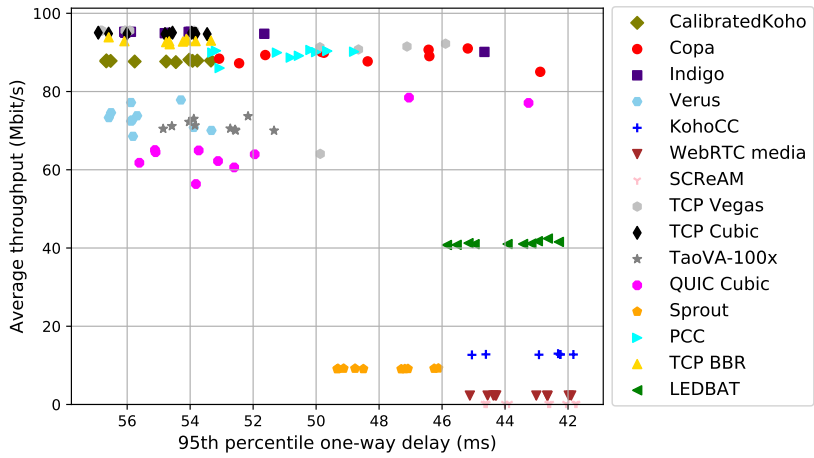
Git summary:

```
branch: master @ 8a8eb0fa450ac2fa3f5abc8e72a84db4249be58f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ 7ddb4adf480966042c0438984cb22a298bfa635f
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
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/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



scheme	# runs	mean avg tput (Mbit/s)	mean 95th-%ile delay (ms)	mean loss rate (%)
		flow 1	flow 1	flow 1
TCP BBR	10	92.96	54.64	0.36
CalibratedKoho	10	87.82	54.99	0.36
Copa	10	88.85	48.60	0.35
TCP Cubic	10	94.83	54.86	0.35
Indigo	10	94.61	53.79	0.35
KohoCC	7	12.80	43.03	0.33
LEDBAT	10	41.27	43.99	0.61
PCC	10	89.54	51.08	0.34
QUIC Cubic	10	65.50	52.13	0.35
SReAM	10	0.22	43.25	0.28
Sprout	10	9.14	47.90	0.30
TaoVA-100x	10	71.27	53.26	0.41
TCP Vegas	10	90.77	52.09	0.35
Verus	10	73.14	55.37	0.35
WebRTC media	10	2.27	43.48	0.36

Run 1: Statistics of TCP BBR

Start at: 2017-08-29 07:53:31

End at: 2017-08-29 07:54:01

Local clock offset: 0.769 ms

Remote clock offset: -0.236 ms

Below is generated by plot.py at 2017-08-29 14:50:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.45 Mbit/s

95th percentile per-packet one-way delay: 54.122 ms

Loss rate: 0.36%

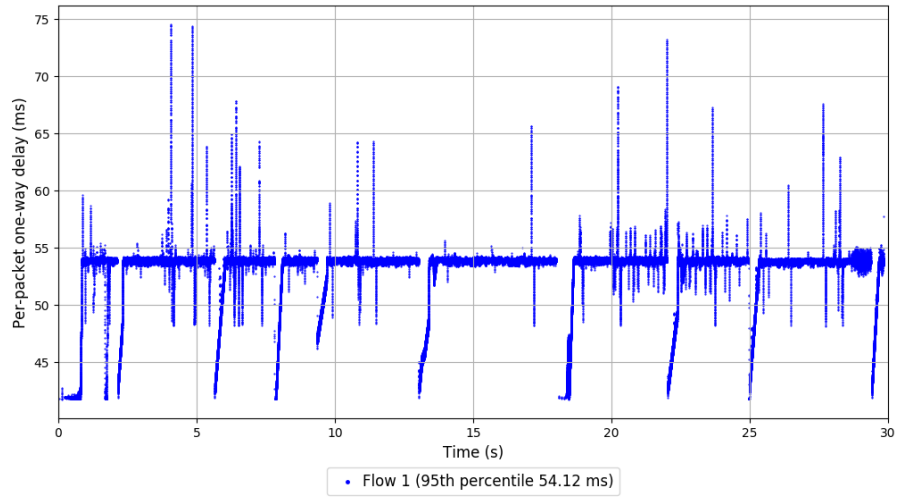
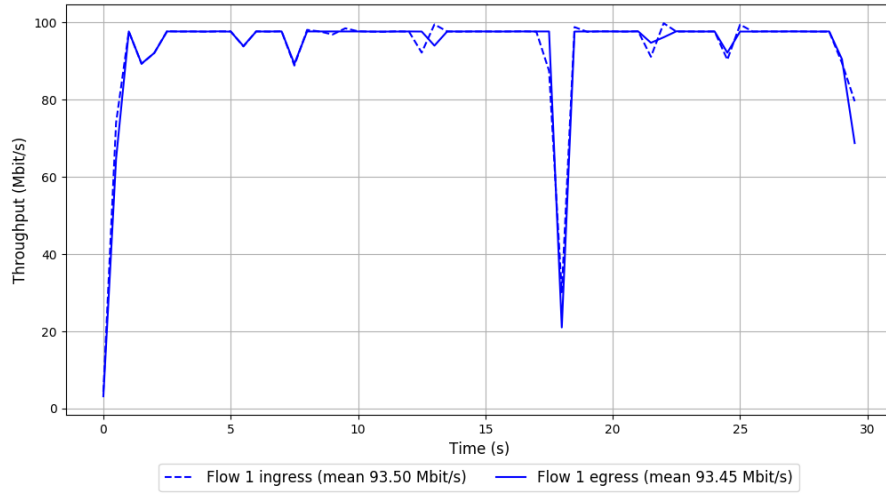
-- Flow 1:

Average throughput: 93.45 Mbit/s

95th percentile per-packet one-way delay: 54.122 ms

Loss rate: 0.36%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-08-29 08:13:54

End at: 2017-08-29 08:14:24

Local clock offset: 0.629 ms

Remote clock offset: 0.323 ms

Below is generated by plot.py at 2017-08-29 14:50:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 54.761 ms

Loss rate: 0.37%

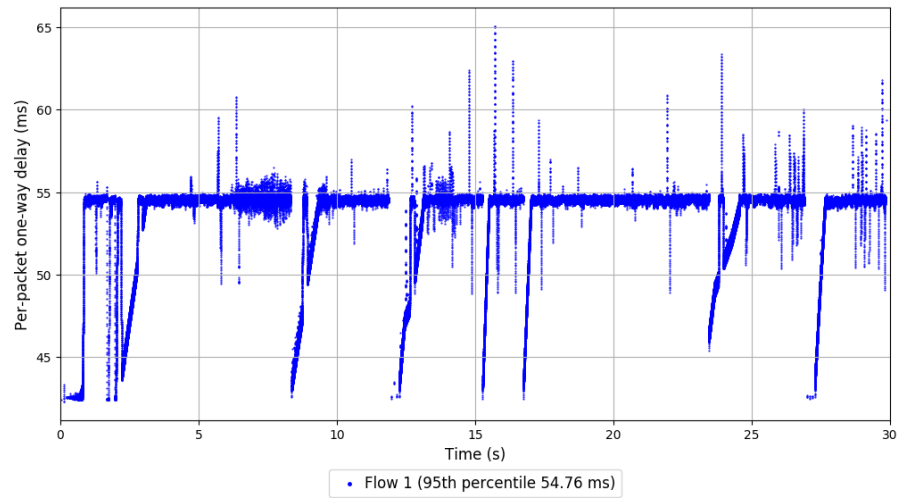
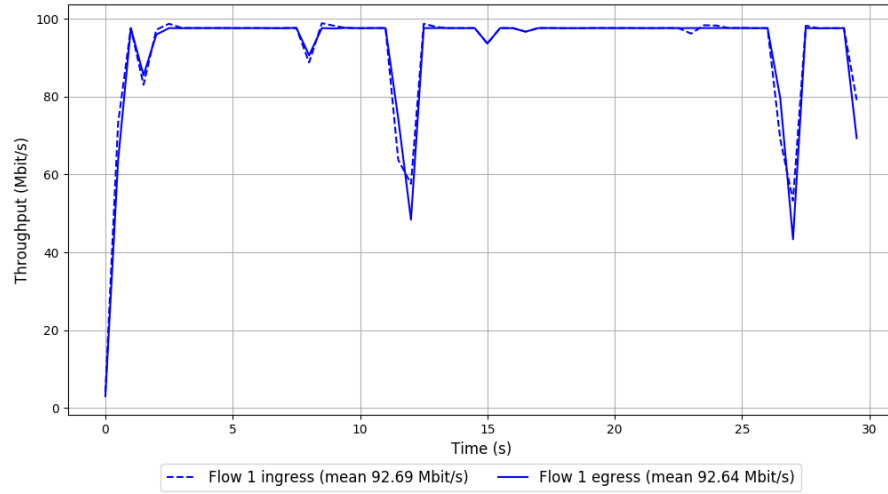
-- Flow 1:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 54.761 ms

Loss rate: 0.37%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-08-29 08:34:11

End at: 2017-08-29 08:34:41

Local clock offset: 0.568 ms

Remote clock offset: 1.307 ms

Below is generated by plot.py at 2017-08-29 14:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.78 Mbit/s

95th percentile per-packet one-way delay: 54.230 ms

Loss rate: 0.35%

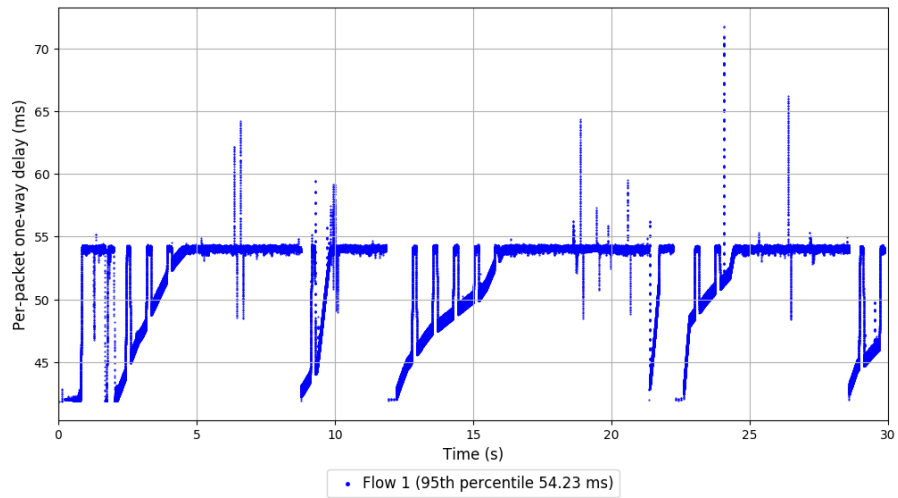
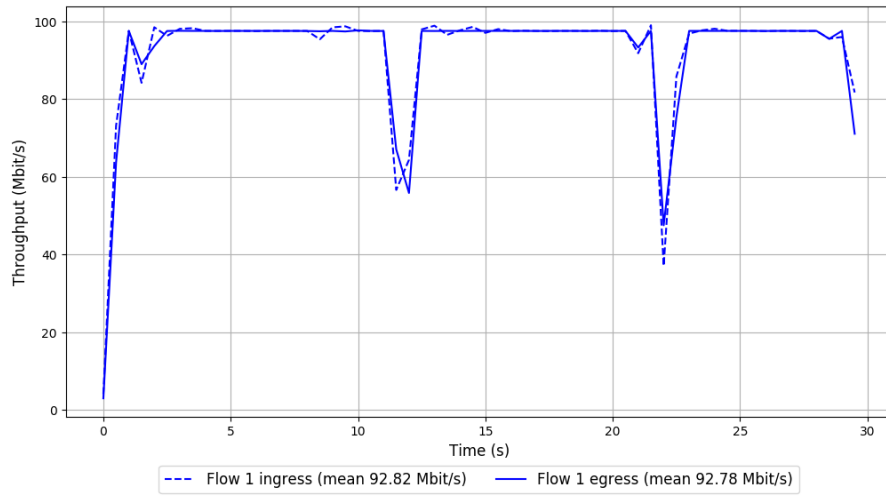
-- Flow 1:

Average throughput: 92.78 Mbit/s

95th percentile per-packet one-way delay: 54.230 ms

Loss rate: 0.35%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-08-29 08:54:31

End at: 2017-08-29 08:55:01

Local clock offset: 0.619 ms

Remote clock offset: 1.176 ms

Below is generated by plot.py at 2017-08-29 14:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.90 Mbit/s

95th percentile per-packet one-way delay: 53.827 ms

Loss rate: 0.37%

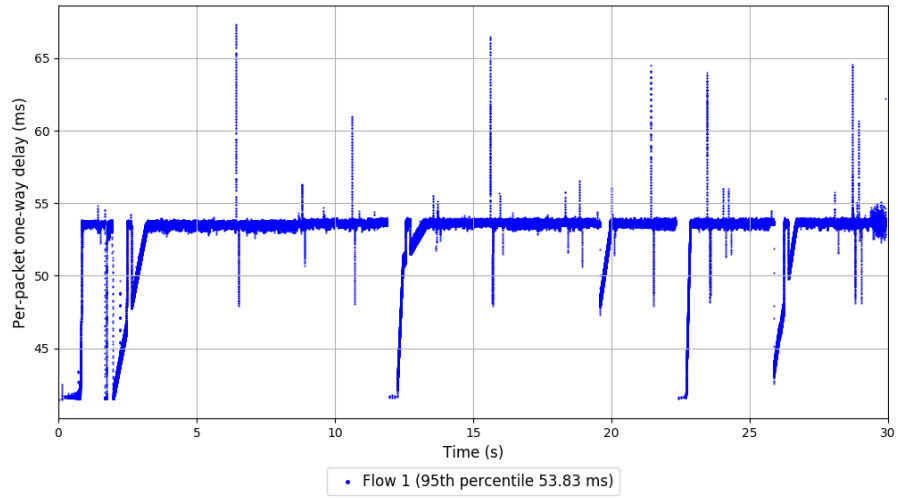
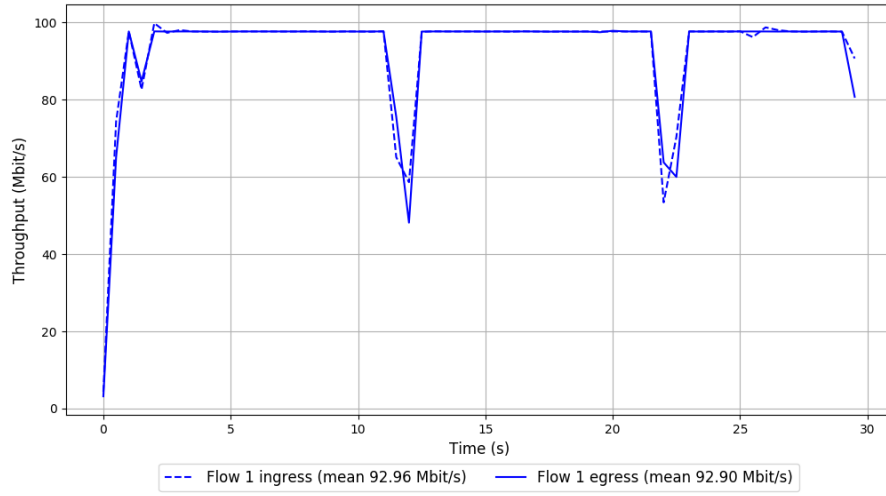
-- Flow 1:

Average throughput: 92.90 Mbit/s

95th percentile per-packet one-way delay: 53.827 ms

Loss rate: 0.37%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-08-29 09:14:53

End at: 2017-08-29 09:15:23

Local clock offset: 0.698 ms

Remote clock offset: 1.126 ms

Below is generated by plot.py at 2017-08-29 14:50:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.10 Mbit/s

95th percentile per-packet one-way delay: 54.649 ms

Loss rate: 0.37%

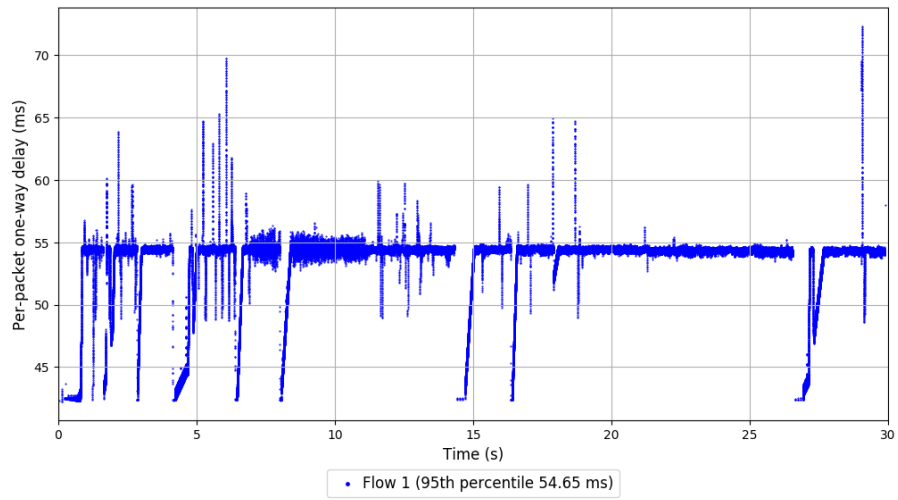
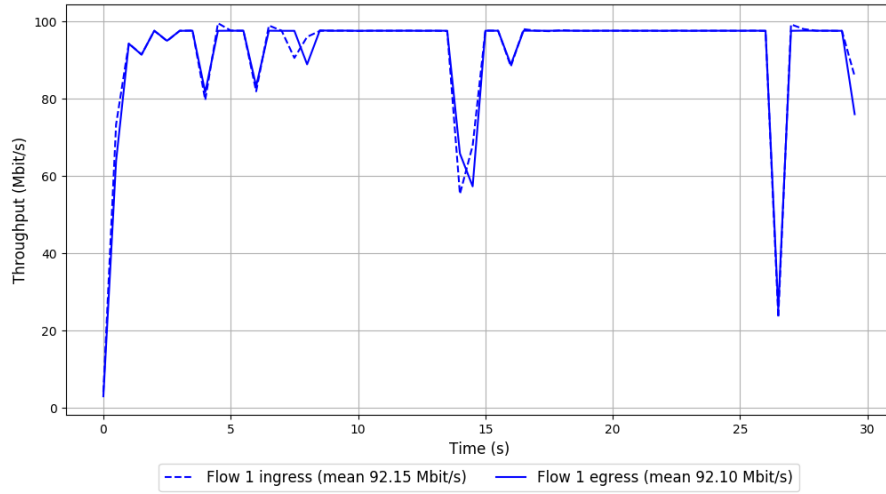
-- Flow 1:

Average throughput: 92.10 Mbit/s

95th percentile per-packet one-way delay: 54.649 ms

Loss rate: 0.37%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-08-29 09:35:16

End at: 2017-08-29 09:35:46

Local clock offset: 0.655 ms

Remote clock offset: -1.161 ms

Below is generated by plot.py at 2017-08-29 14:50:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.88 Mbit/s

95th percentile per-packet one-way delay: 56.088 ms

Loss rate: 0.38%

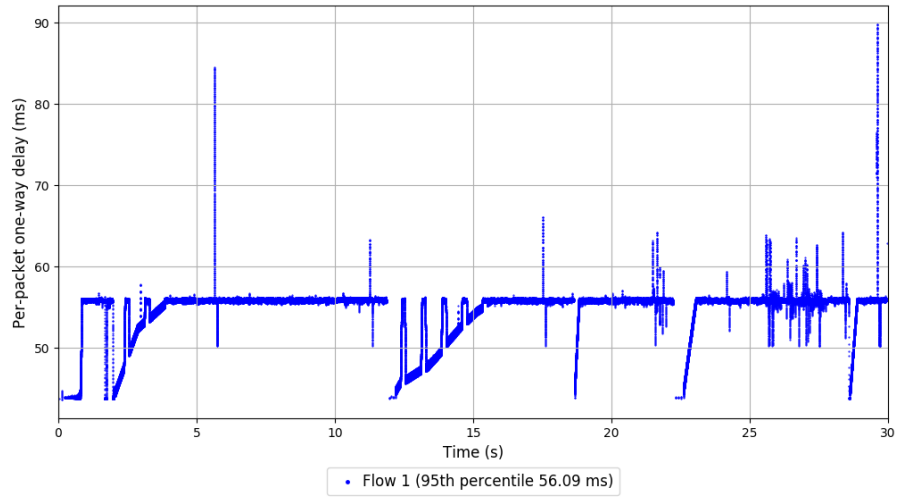
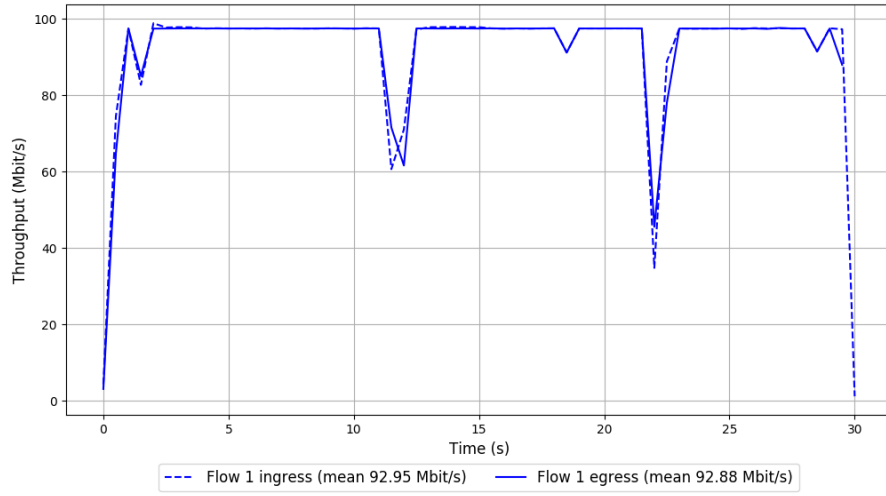
-- Flow 1:

Average throughput: 92.88 Mbit/s

95th percentile per-packet one-way delay: 56.088 ms

Loss rate: 0.38%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-08-29 09:55:36

End at: 2017-08-29 09:56:06

Local clock offset: 0.619 ms

Remote clock offset: 0.803 ms

Below is generated by plot.py at 2017-08-29 14:50:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.84 Mbit/s

95th percentile per-packet one-way delay: 54.666 ms

Loss rate: 0.36%

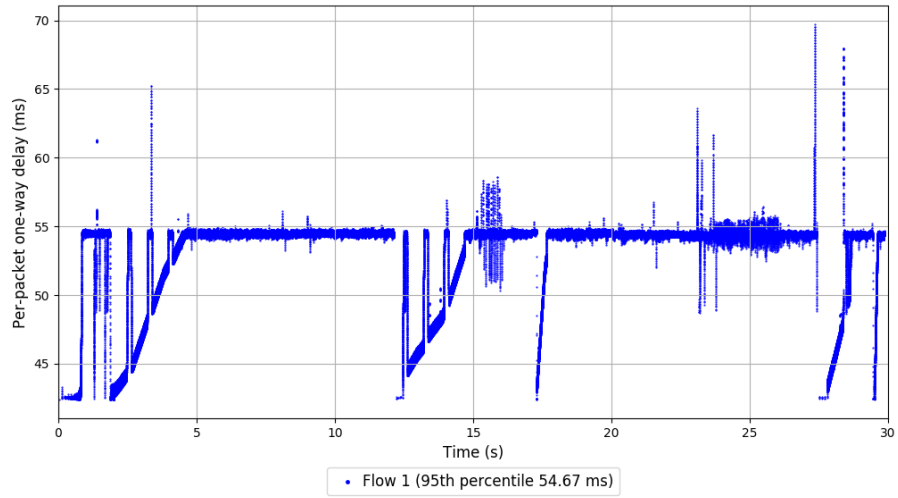
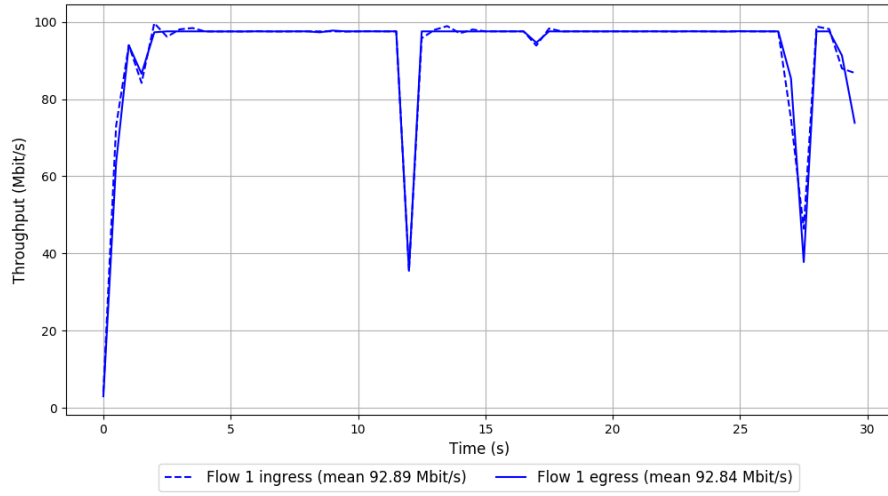
-- Flow 1:

Average throughput: 92.84 Mbit/s

95th percentile per-packet one-way delay: 54.666 ms

Loss rate: 0.36%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2017-08-29 10:15:57

End at: 2017-08-29 10:16:27

Local clock offset: 0.493 ms

Remote clock offset: 1.074 ms

Below is generated by plot.py at 2017-08-29 14:50:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.02 Mbit/s

95th percentile per-packet one-way delay: 53.341 ms

Loss rate: 0.36%

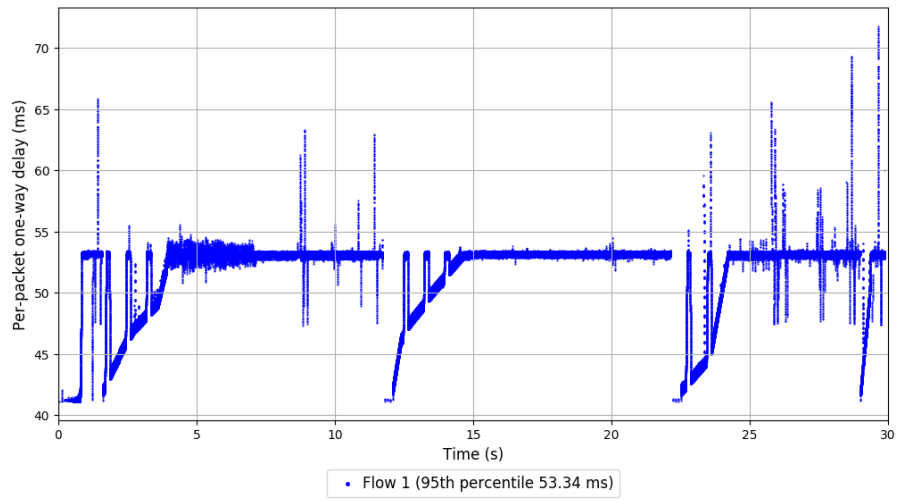
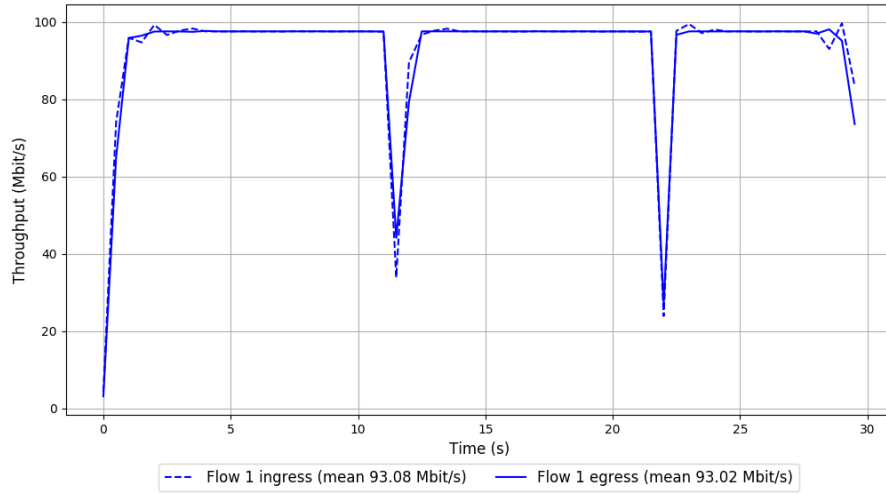
-- Flow 1:

Average throughput: 93.02 Mbit/s

95th percentile per-packet one-way delay: 53.341 ms

Loss rate: 0.36%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2017-08-29 10:36:16

End at: 2017-08-29 10:36:46

Local clock offset: 0.409 ms

Remote clock offset: -1.975 ms

Below is generated by plot.py at 2017-08-29 14:50:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 56.587 ms

Loss rate: 0.36%

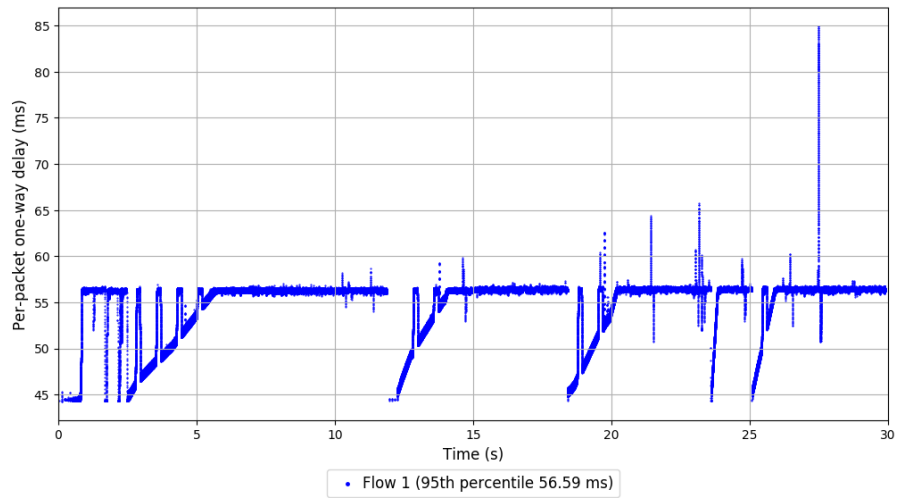
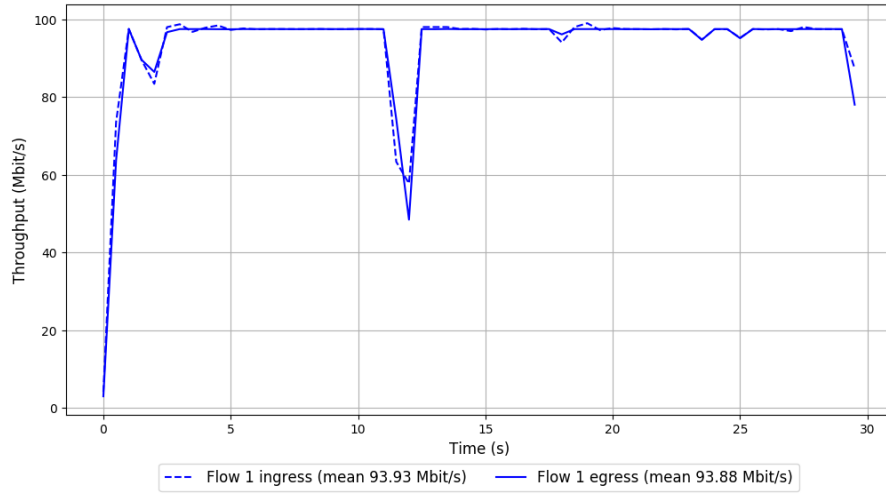
-- Flow 1:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 56.587 ms

Loss rate: 0.36%

Run 9: Report of TCP BBR — Data Link

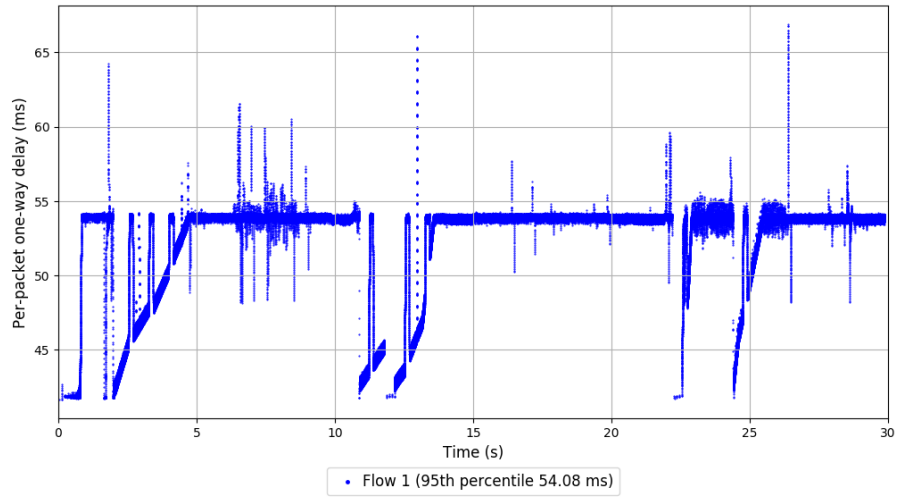
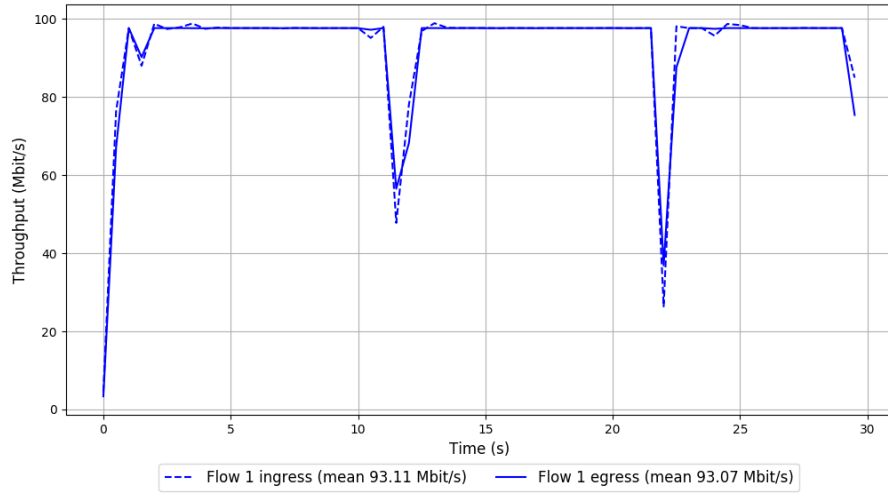


Run 10: Statistics of TCP BBR

Start at: 2017-08-29 10:56:37
End at: 2017-08-29 10:57:07
Local clock offset: 0.425 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2017-08-29 14:51:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 54.083 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 54.083 ms
Loss rate: 0.36%

Run 10: Report of TCP BBR — Data Link

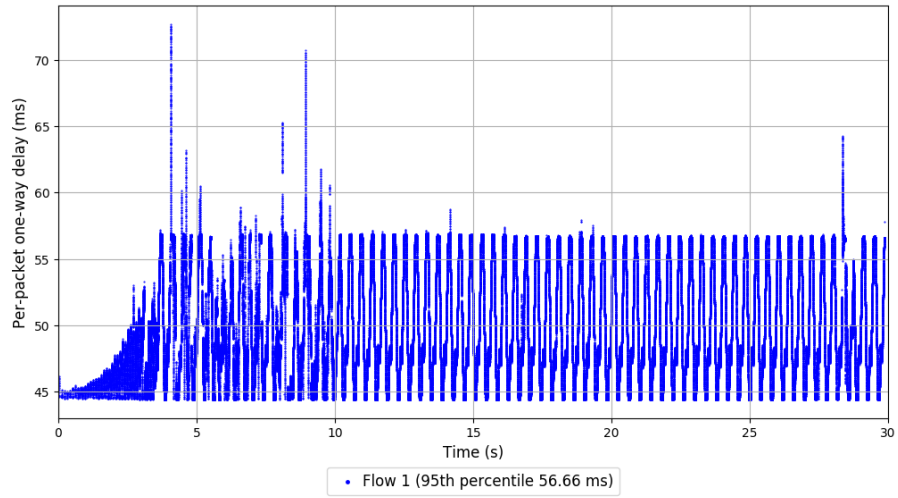
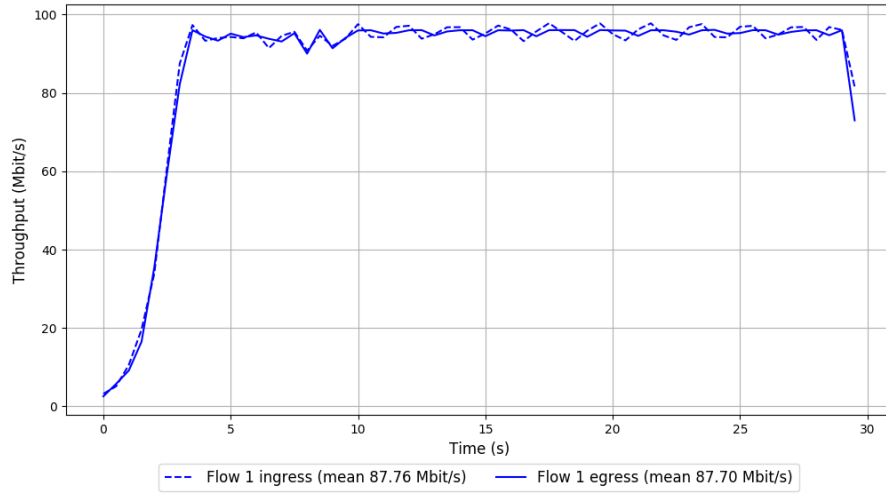


Run 1: Statistics of CalibratedKoho

Start at: 2017-08-29 07:38:28
End at: 2017-08-29 07:38:58
Local clock offset: 0.682 ms
Remote clock offset: -2.774 ms

Below is generated by plot.py at 2017-08-29 14:51:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.70 Mbit/s
95th percentile per-packet one-way delay: 56.663 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 87.70 Mbit/s
95th percentile per-packet one-way delay: 56.663 ms
Loss rate: 0.37%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: 2017-08-29 07:58:51

End at: 2017-08-29 07:59:21

Local clock offset: 0.666 ms

Remote clock offset: -2.21 ms

Below is generated by plot.py at 2017-08-29 14:51:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.97 Mbit/s

95th percentile per-packet one-way delay: 56.659 ms

Loss rate: 0.32%

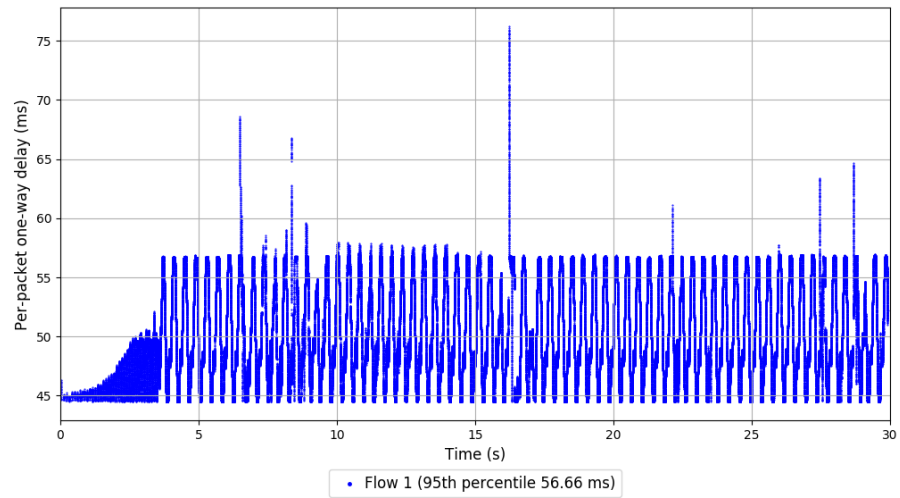
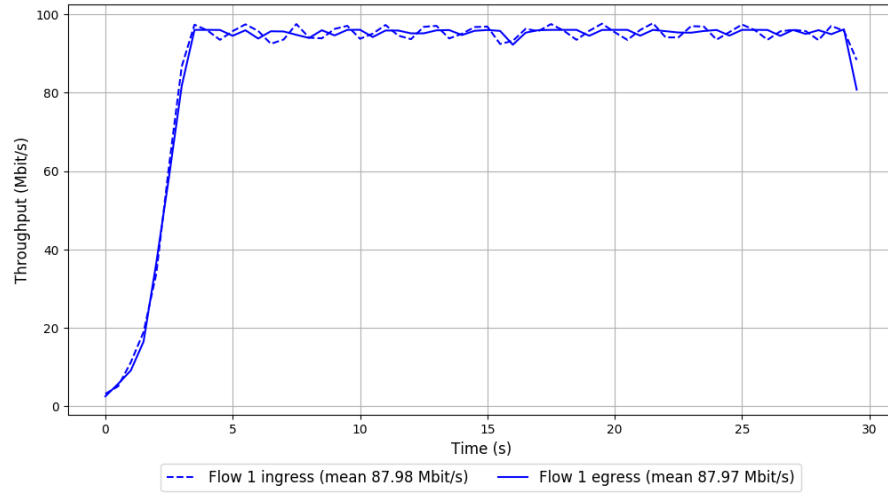
-- Flow 1:

Average throughput: 87.97 Mbit/s

95th percentile per-packet one-way delay: 56.659 ms

Loss rate: 0.32%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: 2017-08-29 08:19:11

End at: 2017-08-29 08:19:41

Local clock offset: 0.699 ms

Remote clock offset: 0.526 ms

Below is generated by plot.py at 2017-08-29 14:51:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.67 Mbit/s

95th percentile per-packet one-way delay: 54.761 ms

Loss rate: 0.35%

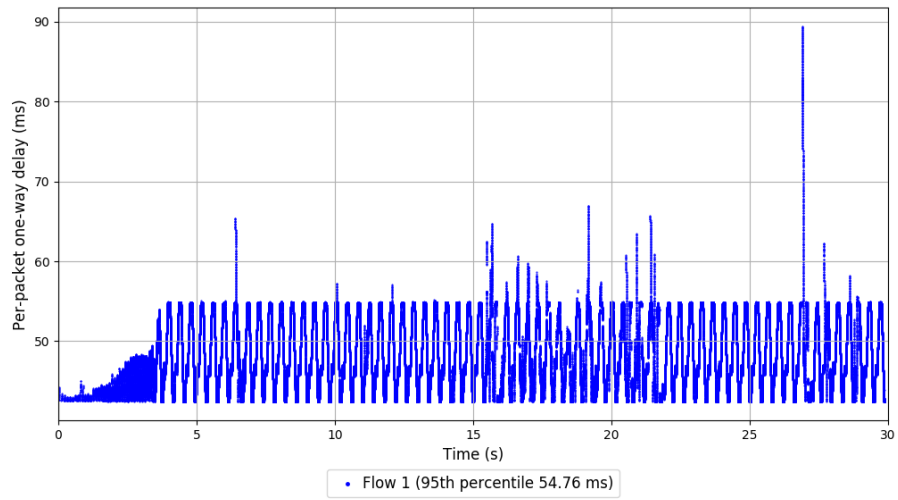
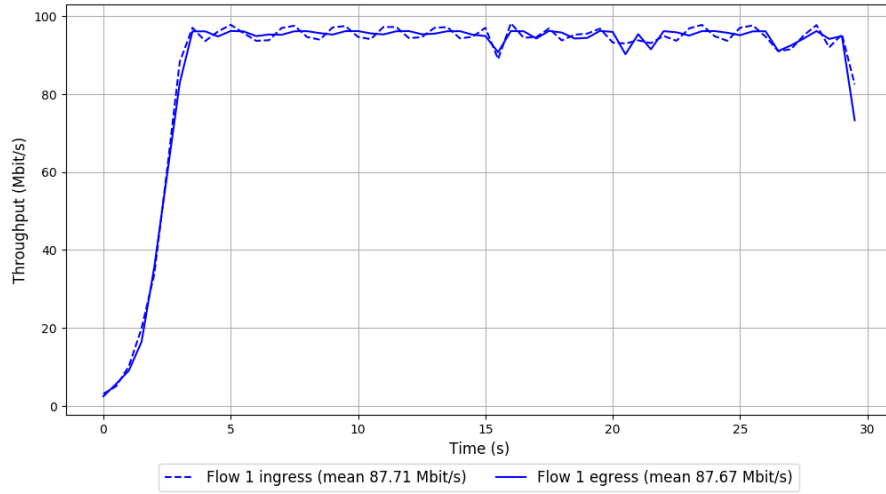
-- Flow 1:

Average throughput: 87.67 Mbit/s

95th percentile per-packet one-way delay: 54.761 ms

Loss rate: 0.35%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: 2017-08-29 08:39:30

End at: 2017-08-29 08:40:00

Local clock offset: 0.654 ms

Remote clock offset: 1.036 ms

Below is generated by plot.py at 2017-08-29 14:51:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.52 Mbit/s

95th percentile per-packet one-way delay: 54.454 ms

Loss rate: 0.33%

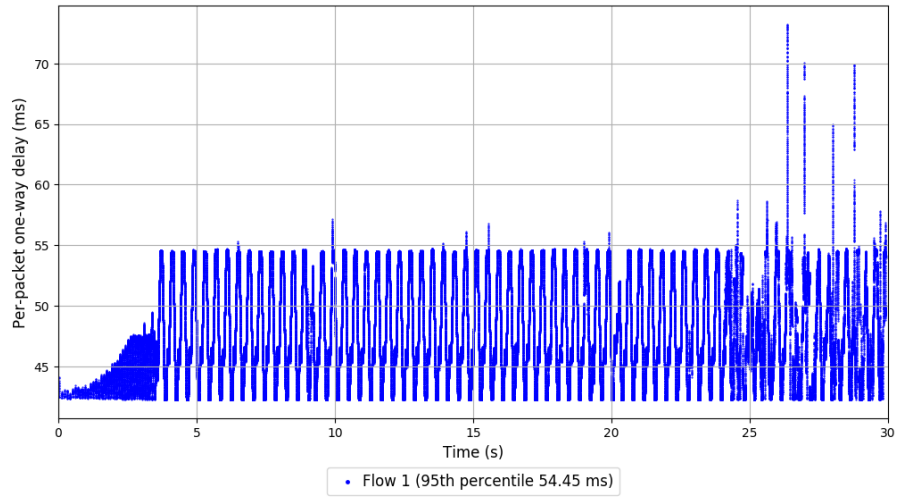
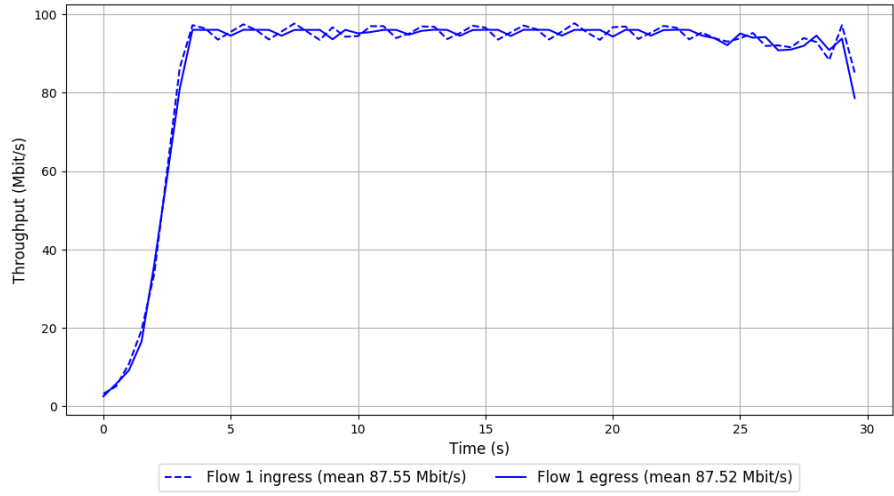
-- Flow 1:

Average throughput: 87.52 Mbit/s

95th percentile per-packet one-way delay: 54.454 ms

Loss rate: 0.33%

Run 4: Report of CalibratedKoho — Data Link

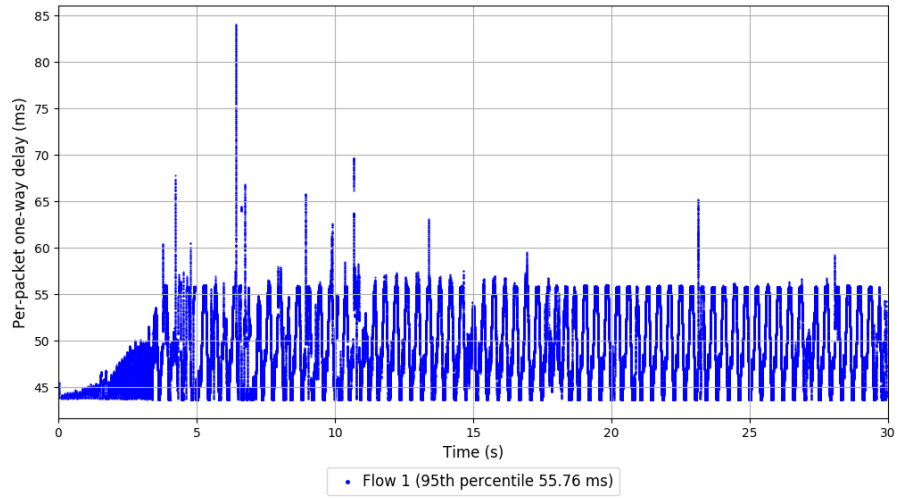
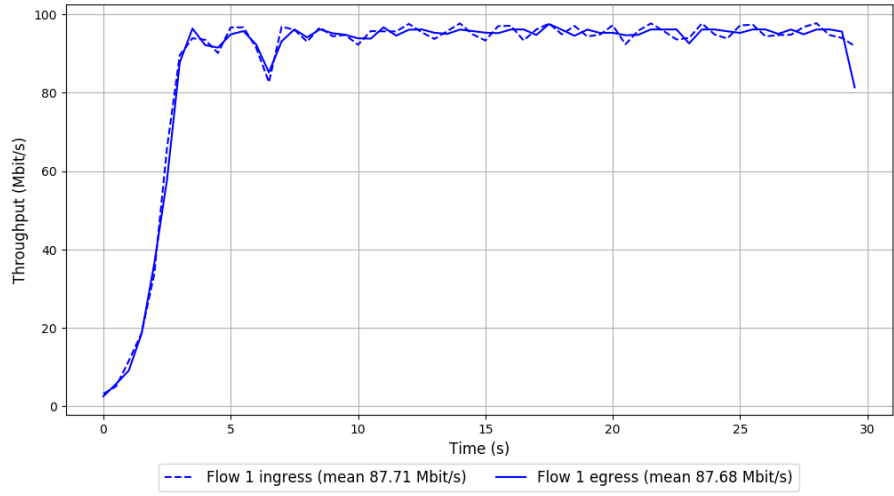


Run 5: Statistics of CalibratedKoho

Start at: 2017-08-29 08:59:49
End at: 2017-08-29 09:00:19
Local clock offset: 0.63 ms
Remote clock offset: -0.889 ms

Below is generated by plot.py at 2017-08-29 14:51:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.68 Mbit/s
95th percentile per-packet one-way delay: 55.762 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 87.68 Mbit/s
95th percentile per-packet one-way delay: 55.762 ms
Loss rate: 0.35%

Run 5: Report of CalibratedKoho — Data Link

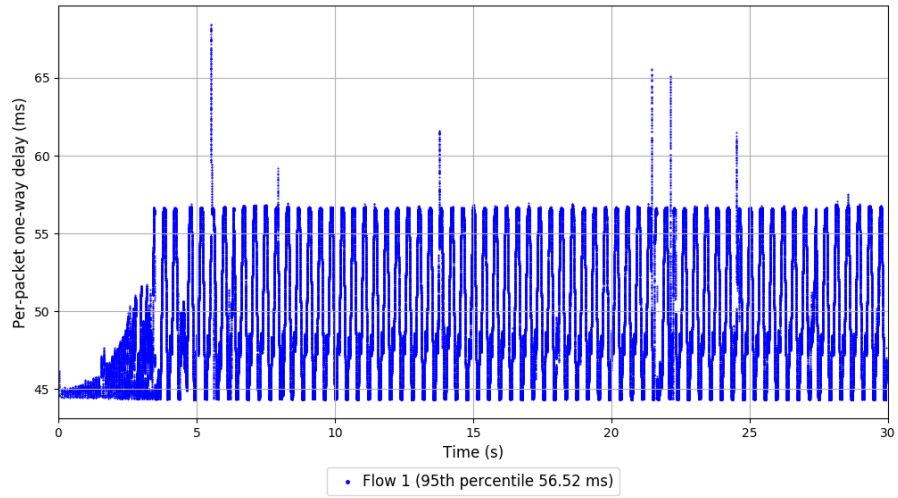
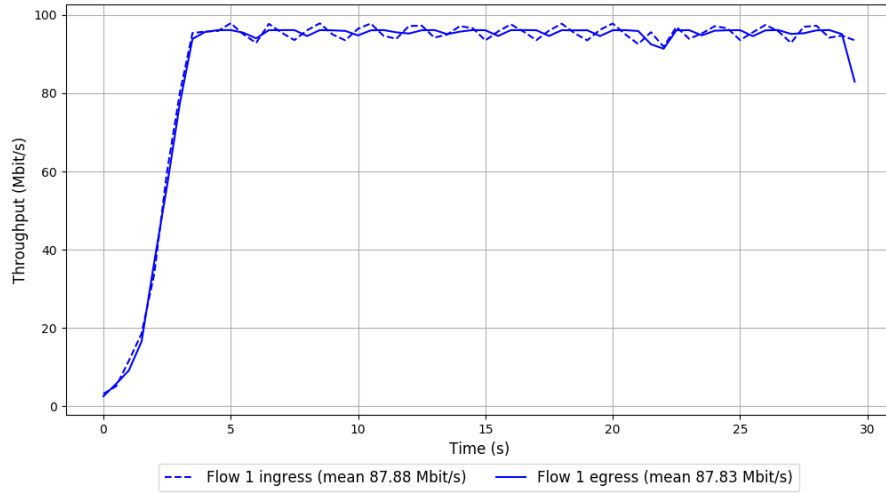


Run 6: Statistics of CalibratedKoho

Start at: 2017-08-29 09:20:12
End at: 2017-08-29 09:20:42
Local clock offset: 0.605 ms
Remote clock offset: -1.005 ms

Below is generated by plot.py at 2017-08-29 14:51:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.83 Mbit/s
95th percentile per-packet one-way delay: 56.525 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 87.83 Mbit/s
95th percentile per-packet one-way delay: 56.525 ms
Loss rate: 0.37%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: 2017-08-29 09:40:35

End at: 2017-08-29 09:41:05

Local clock offset: 0.542 ms

Remote clock offset: 0.837 ms

Below is generated by plot.py at 2017-08-29 14:51:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.90 Mbit/s

95th percentile per-packet one-way delay: 53.773 ms

Loss rate: 0.38%

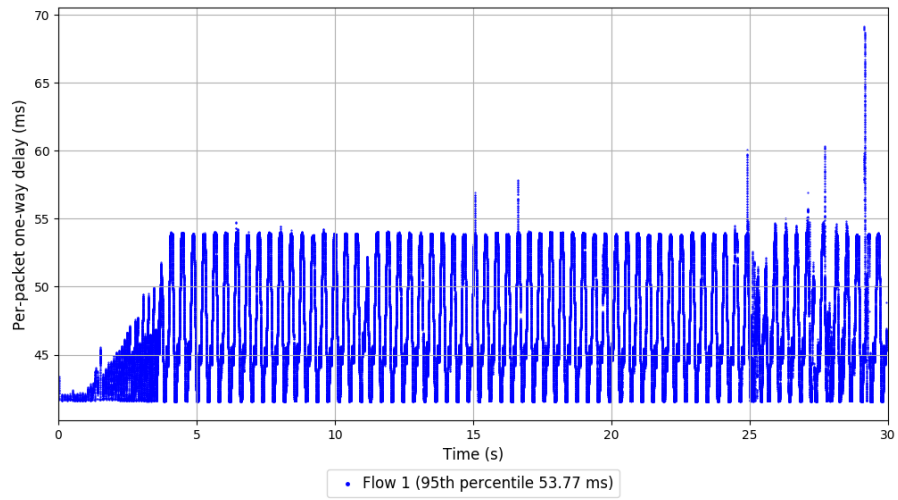
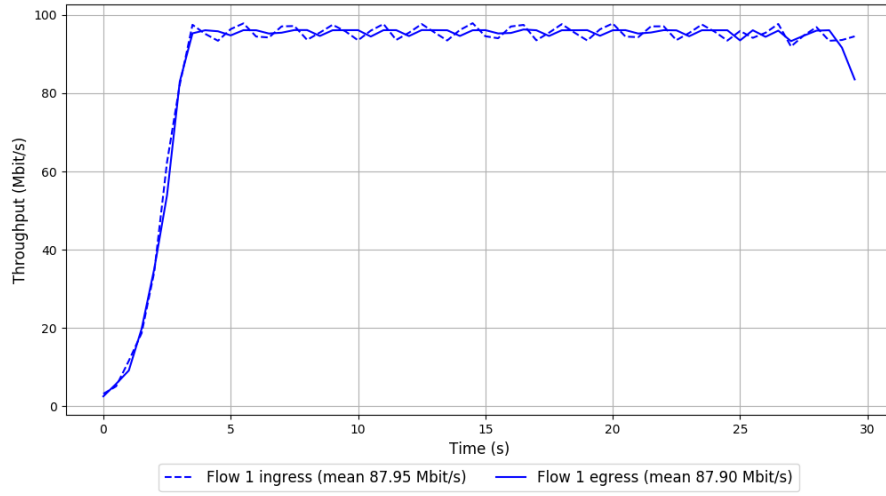
-- Flow 1:

Average throughput: 87.90 Mbit/s

95th percentile per-packet one-way delay: 53.773 ms

Loss rate: 0.38%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: 2017-08-29 10:00:54

End at: 2017-08-29 10:01:24

Local clock offset: 0.512 ms

Remote clock offset: 1.152 ms

Below is generated by plot.py at 2017-08-29 14:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.91 Mbit/s

95th percentile per-packet one-way delay: 53.339 ms

Loss rate: 0.39%

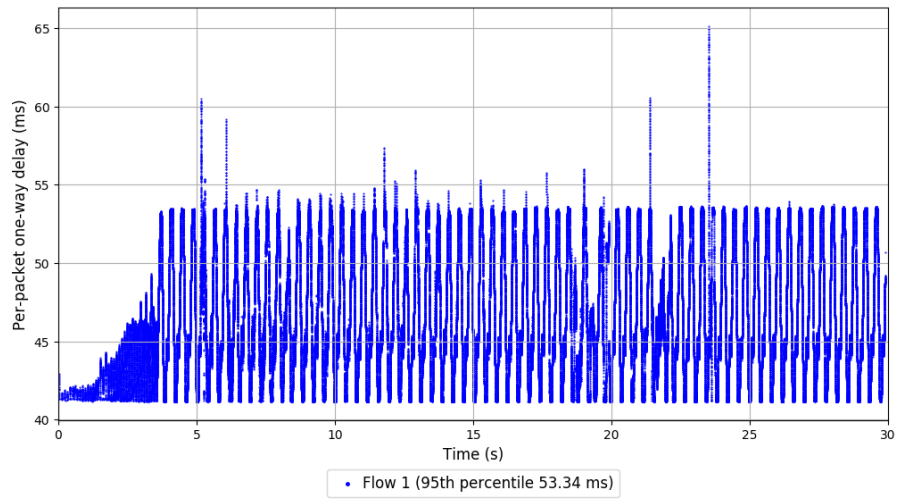
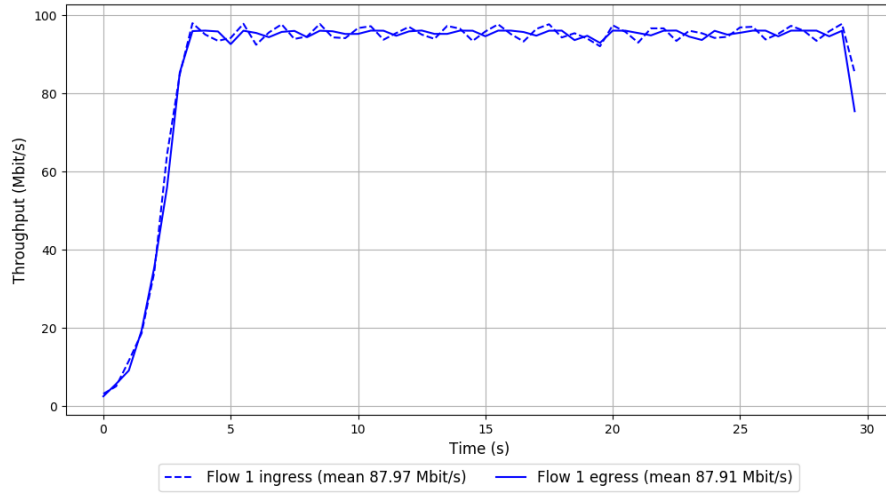
-- Flow 1:

Average throughput: 87.91 Mbit/s

95th percentile per-packet one-way delay: 53.339 ms

Loss rate: 0.39%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: 2017-08-29 10:21:14

End at: 2017-08-29 10:21:44

Local clock offset: 0.59 ms

Remote clock offset: 0.93 ms

Below is generated by plot.py at 2017-08-29 14:51:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.16 Mbit/s

95th percentile per-packet one-way delay: 54.025 ms

Loss rate: 0.39%

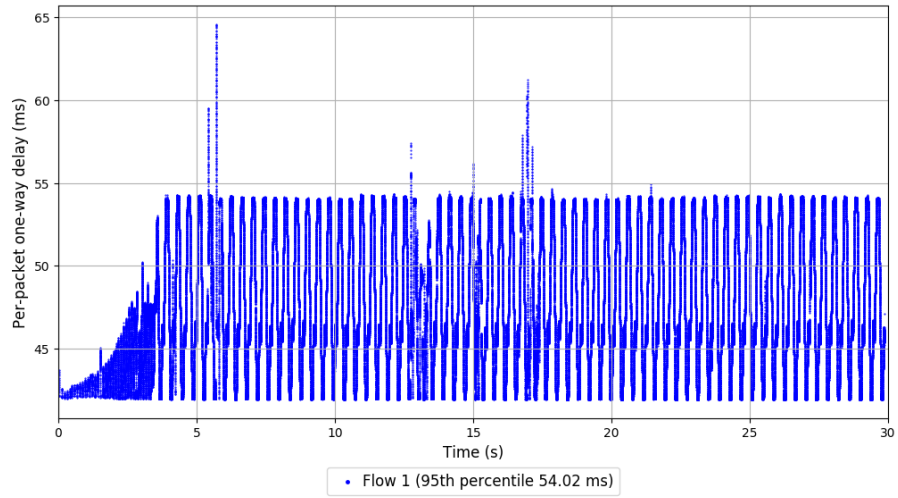
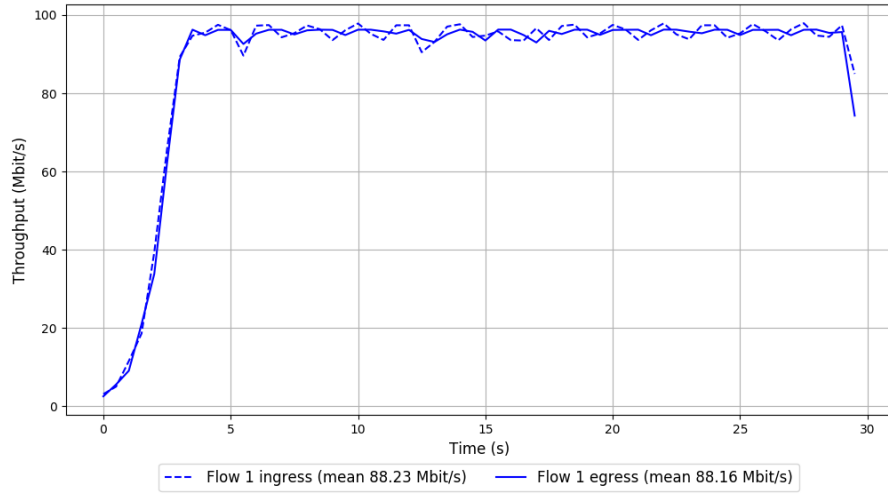
-- Flow 1:

Average throughput: 88.16 Mbit/s

95th percentile per-packet one-way delay: 54.025 ms

Loss rate: 0.39%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: 2017-08-29 10:41:34

End at: 2017-08-29 10:42:04

Local clock offset: 0.398 ms

Remote clock offset: 0.496 ms

Below is generated by plot.py at 2017-08-29 14:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.85 Mbit/s

95th percentile per-packet one-way delay: 53.923 ms

Loss rate: 0.33%

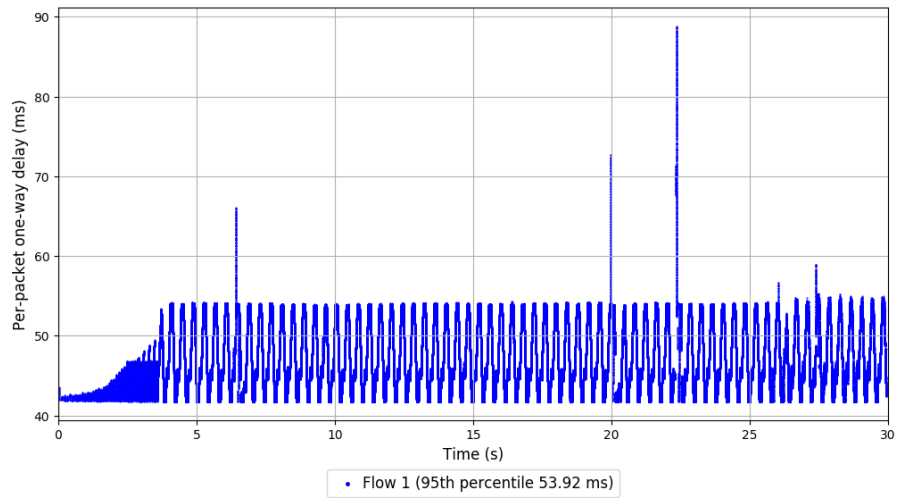
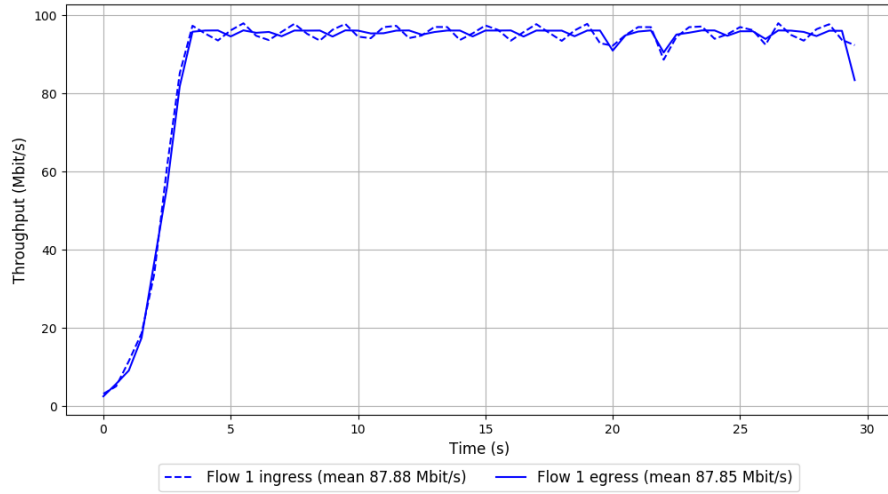
-- Flow 1:

Average throughput: 87.85 Mbit/s

95th percentile per-packet one-way delay: 53.923 ms

Loss rate: 0.33%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: 2017-08-29 07:46:42

End at: 2017-08-29 07:47:12

Local clock offset: 0.795 ms

Remote clock offset: -0.531 ms

Below is generated by plot.py at 2017-08-29 14:52:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 42.882 ms

Loss rate: 0.35%

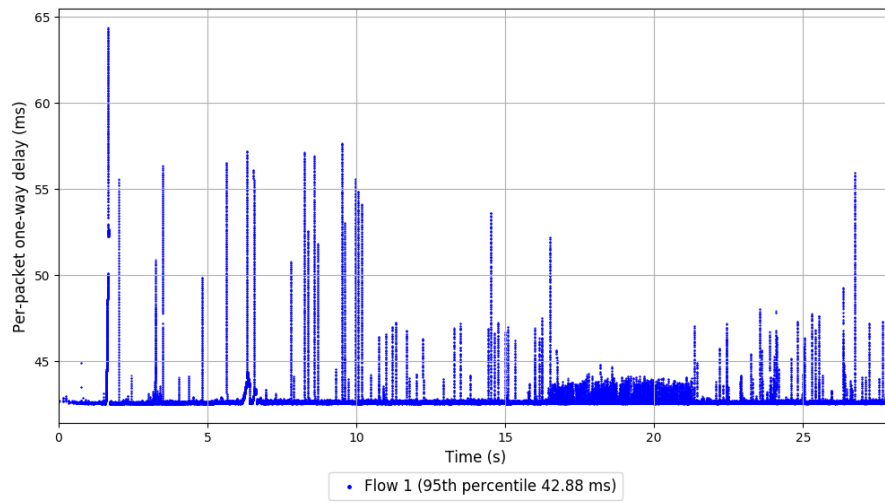
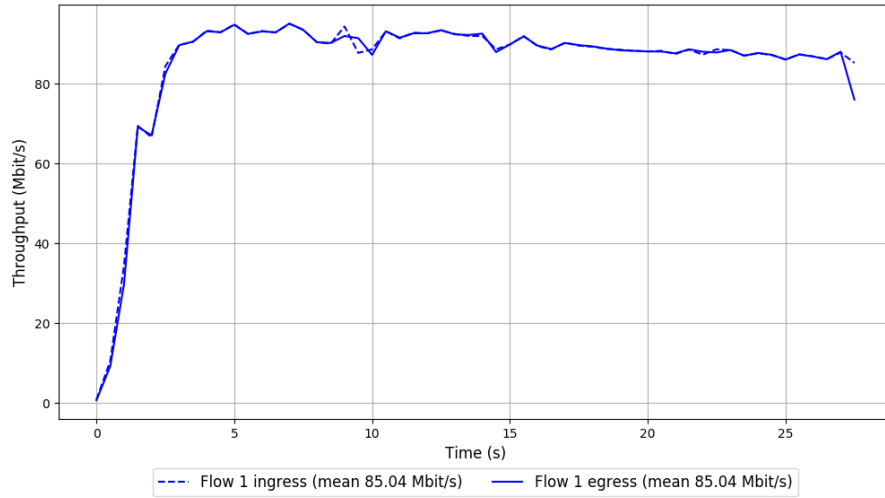
-- Flow 1:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 42.882 ms

Loss rate: 0.35%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2017-08-29 08:07:06

End at: 2017-08-29 08:07:36

Local clock offset: 0.656 ms

Remote clock offset: -1.855 ms

Below is generated by plot.py at 2017-08-29 14:52:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.92 Mbit/s

95th percentile per-packet one-way delay: 49.751 ms

Loss rate: 0.34%

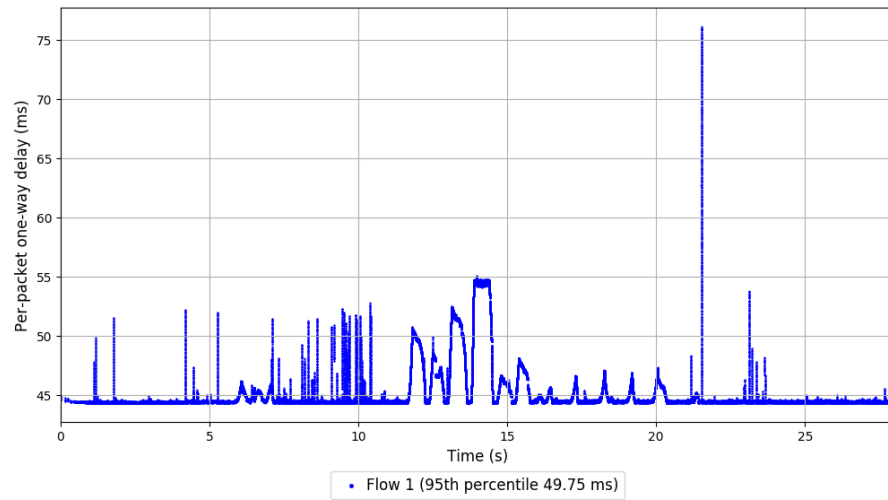
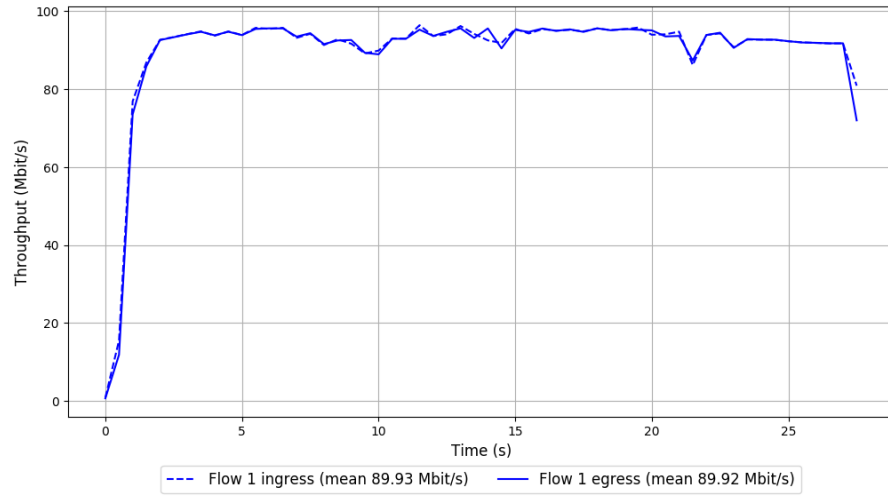
-- Flow 1:

Average throughput: 89.92 Mbit/s

95th percentile per-packet one-way delay: 49.751 ms

Loss rate: 0.34%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2017-08-29 08:27:25

End at: 2017-08-29 08:27:55

Local clock offset: 0.571 ms

Remote clock offset: 0.693 ms

Below is generated by plot.py at 2017-08-29 14:52:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.01 Mbit/s

95th percentile per-packet one-way delay: 45.184 ms

Loss rate: 0.35%

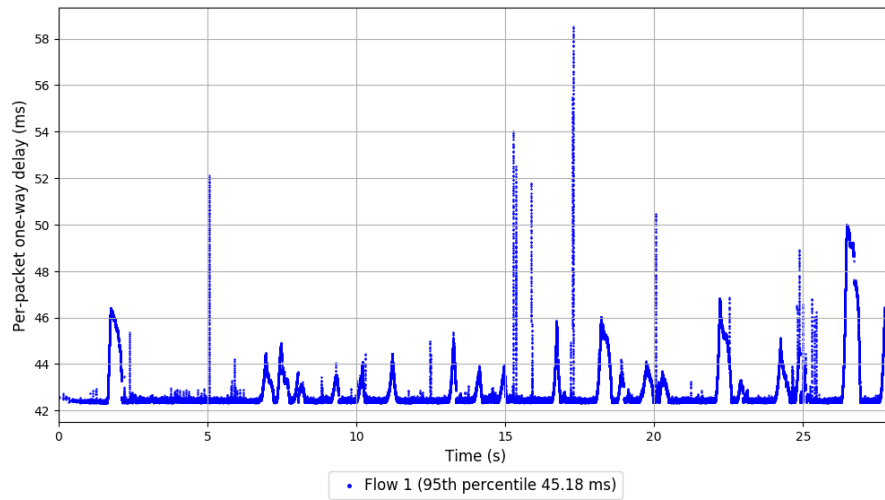
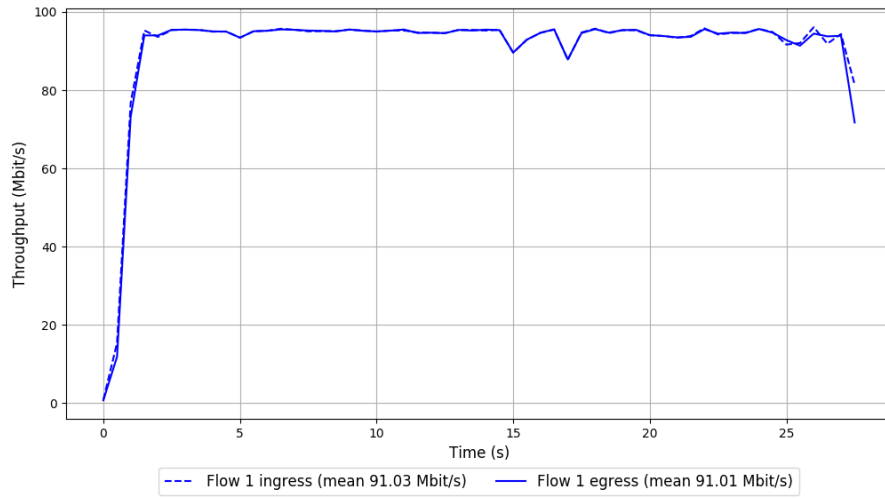
-- Flow 1:

Average throughput: 91.01 Mbit/s

95th percentile per-packet one-way delay: 45.184 ms

Loss rate: 0.35%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2017-08-29 08:47:43

End at: 2017-08-29 08:48:13

Local clock offset: 0.626 ms

Remote clock offset: 0.957 ms

Below is generated by plot.py at 2017-08-29 14:52:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 52.445 ms

Loss rate: 0.35%

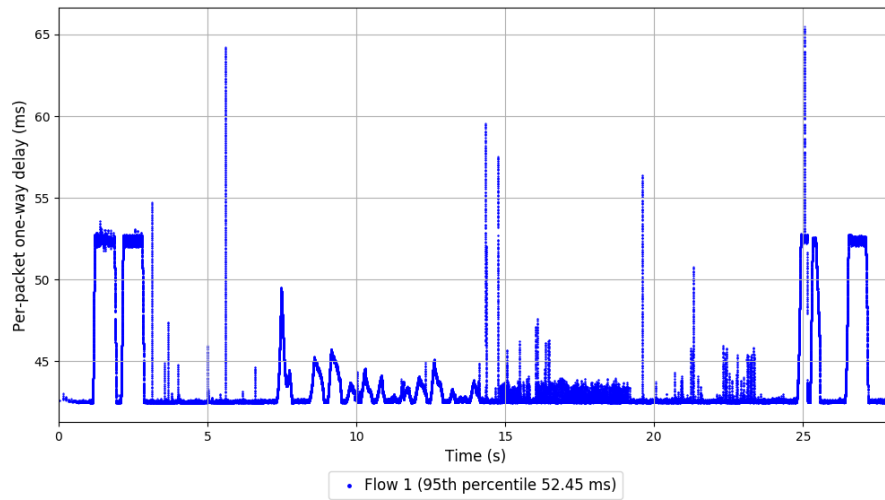
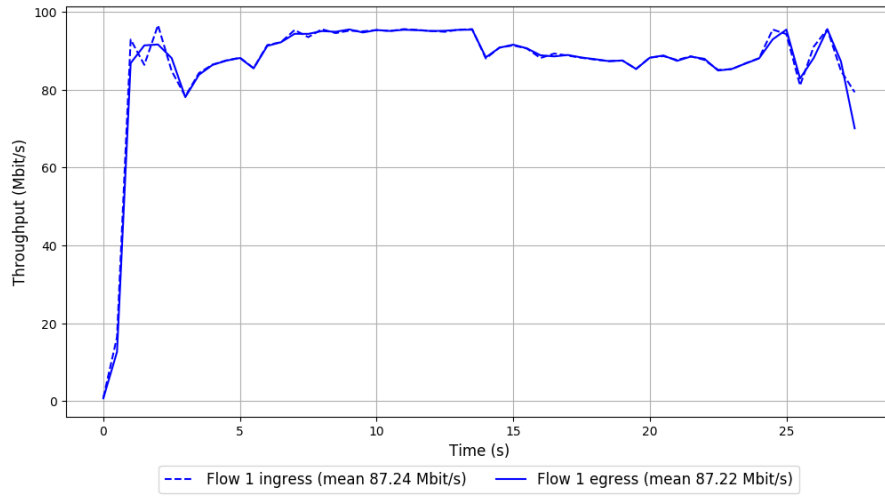
-- Flow 1:

Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 52.445 ms

Loss rate: 0.35%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2017-08-29 09:08:04

End at: 2017-08-29 09:08:34

Local clock offset: 0.603 ms

Remote clock offset: 1.742 ms

Below is generated by plot.py at 2017-08-29 14:52:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.04 Mbit/s

95th percentile per-packet one-way delay: 46.404 ms

Loss rate: 0.34%

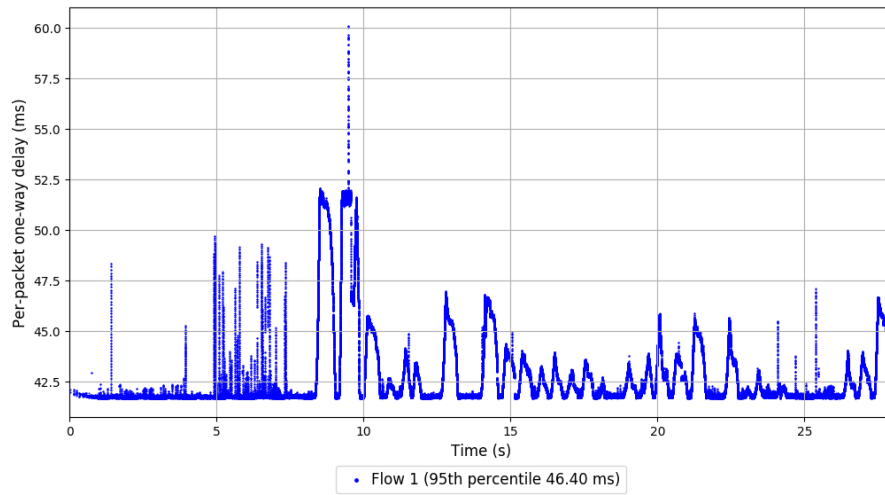
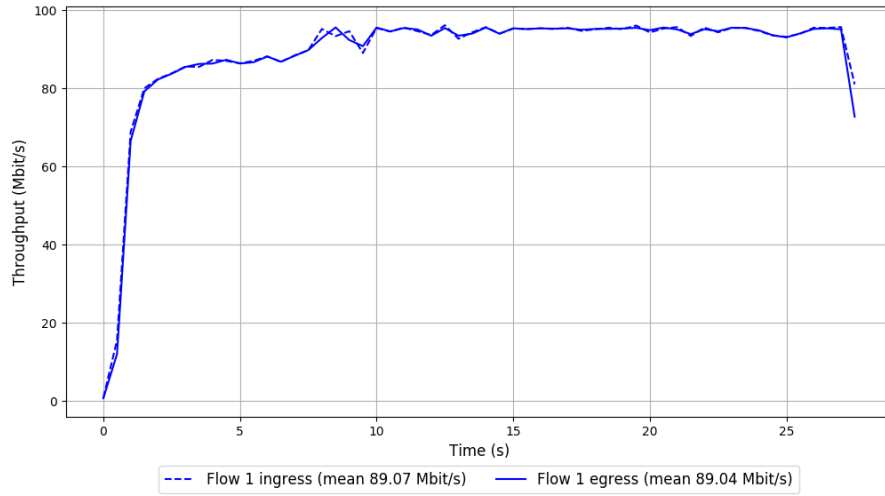
-- Flow 1:

Average throughput: 89.04 Mbit/s

95th percentile per-packet one-way delay: 46.404 ms

Loss rate: 0.34%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2017-08-29 09:28:28

End at: 2017-08-29 09:28:58

Local clock offset: 0.646 ms

Remote clock offset: -1.075 ms

Below is generated by plot.py at 2017-08-29 14:53:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.68 Mbit/s

95th percentile per-packet one-way delay: 46.428 ms

Loss rate: 0.35%

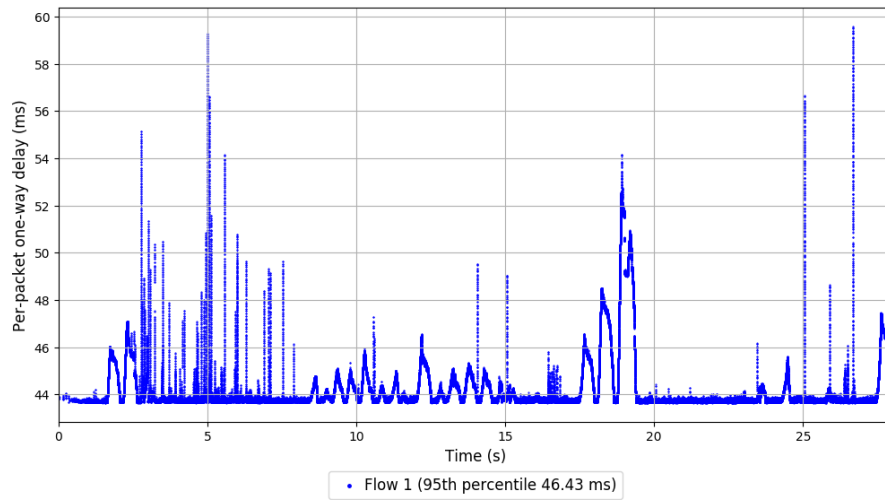
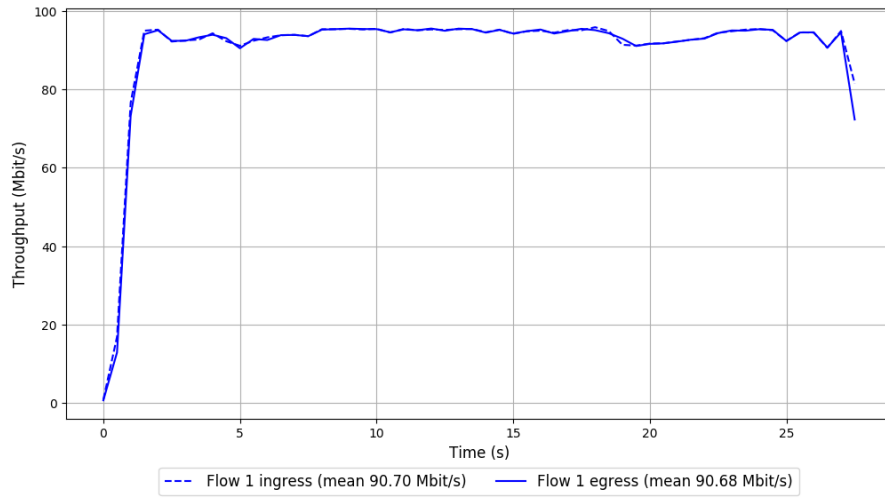
-- Flow 1:

Average throughput: 90.68 Mbit/s

95th percentile per-packet one-way delay: 46.428 ms

Loss rate: 0.35%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2017-08-29 09:48:48

End at: 2017-08-29 09:49:18

Local clock offset: 0.592 ms

Remote clock offset: 0.646 ms

Below is generated by plot.py at 2017-08-29 14:53:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.71 Mbit/s

95th percentile per-packet one-way delay: 48.363 ms

Loss rate: 0.36%

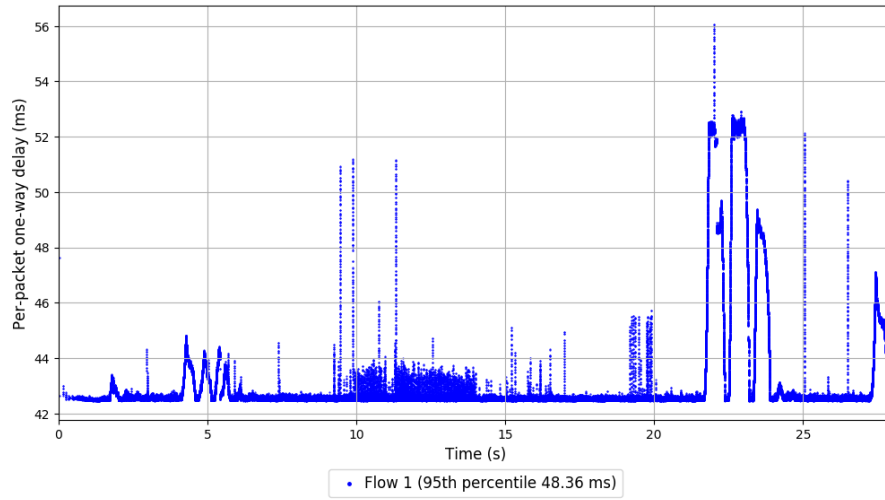
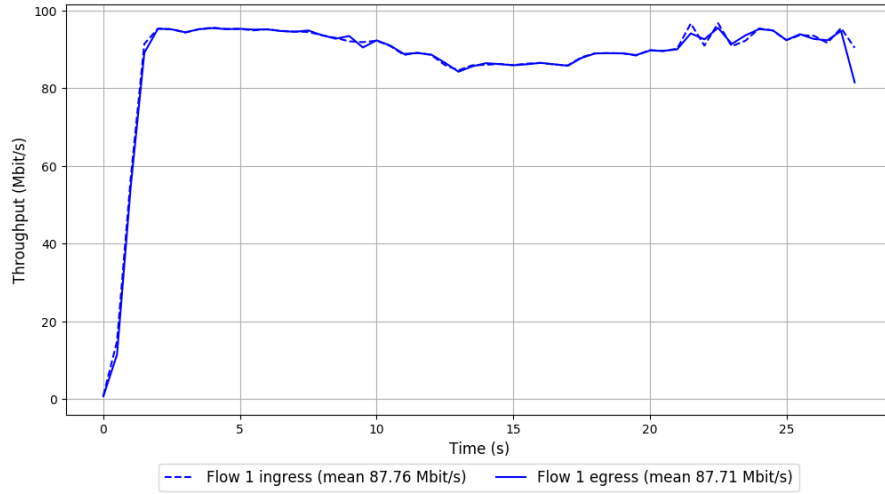
-- Flow 1:

Average throughput: 87.71 Mbit/s

95th percentile per-packet one-way delay: 48.363 ms

Loss rate: 0.36%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2017-08-29 10:09:09

End at: 2017-08-29 10:09:39

Local clock offset: 0.581 ms

Remote clock offset: 0.643 ms

Below is generated by plot.py at 2017-08-29 14:53:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.12 Mbit/s

95th percentile per-packet one-way delay: 49.830 ms

Loss rate: 0.36%

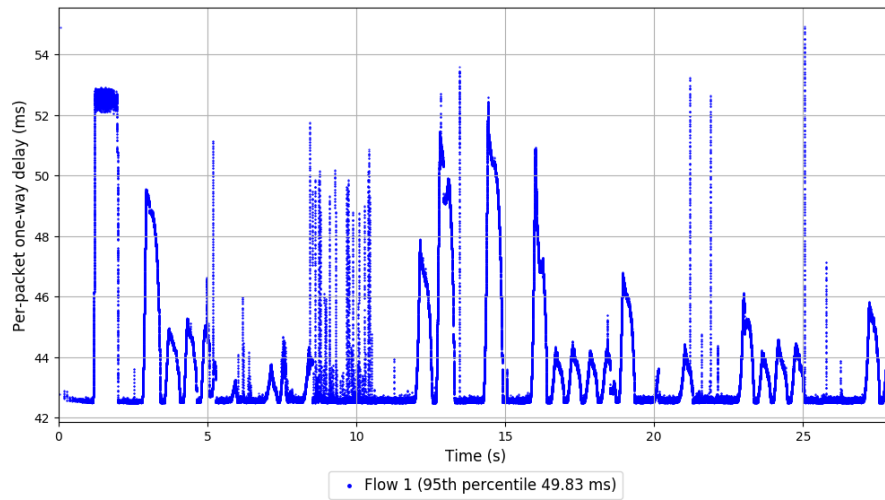
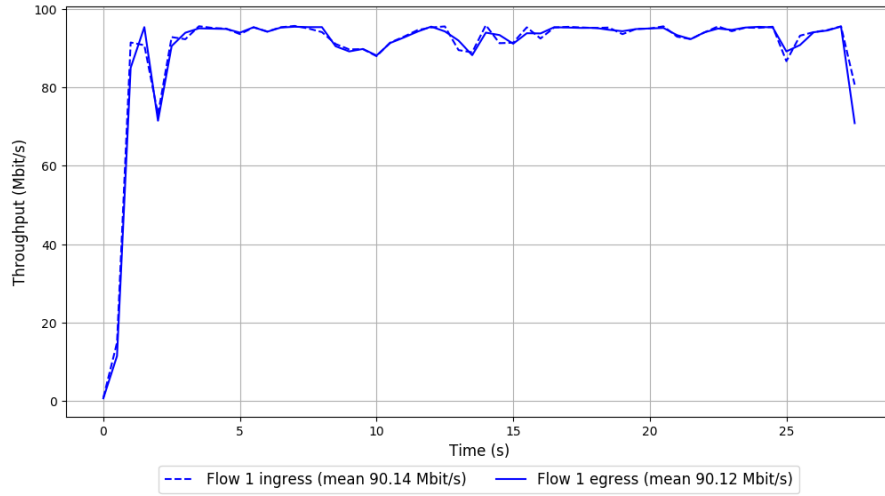
-- Flow 1:

Average throughput: 90.12 Mbit/s

95th percentile per-packet one-way delay: 49.830 ms

Loss rate: 0.36%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2017-08-29 10:29:28

End at: 2017-08-29 10:29:58

Local clock offset: 0.555 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2017-08-29 14:53:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.33 Mbit/s

95th percentile per-packet one-way delay: 51.614 ms

Loss rate: 0.36%

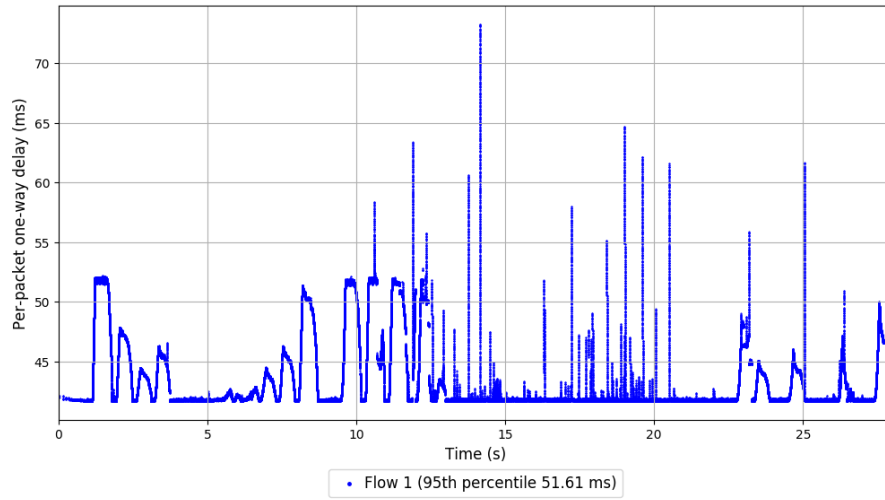
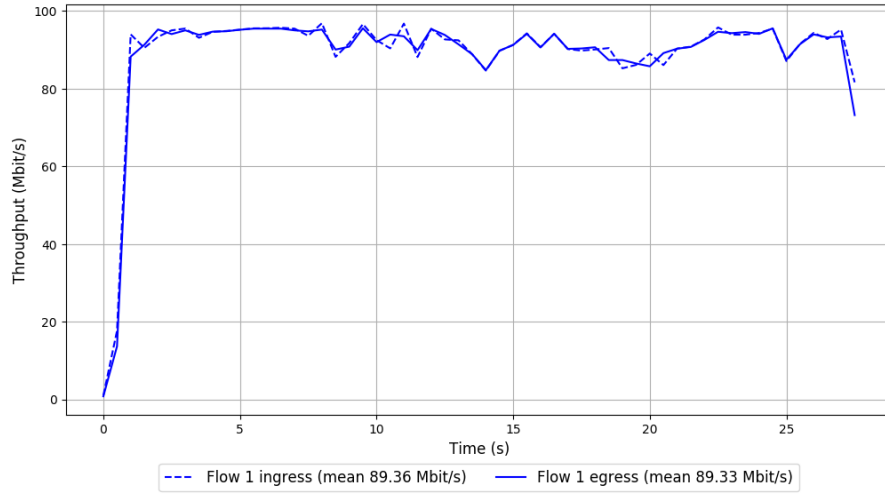
-- Flow 1:

Average throughput: 89.33 Mbit/s

95th percentile per-packet one-way delay: 51.614 ms

Loss rate: 0.36%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2017-08-29 10:49:49

End at: 2017-08-29 10:50:19

Local clock offset: 0.339 ms

Remote clock offset: -2.419 ms

Below is generated by plot.py at 2017-08-29 14:53:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.40 Mbit/s

95th percentile per-packet one-way delay: 53.080 ms

Loss rate: 0.35%

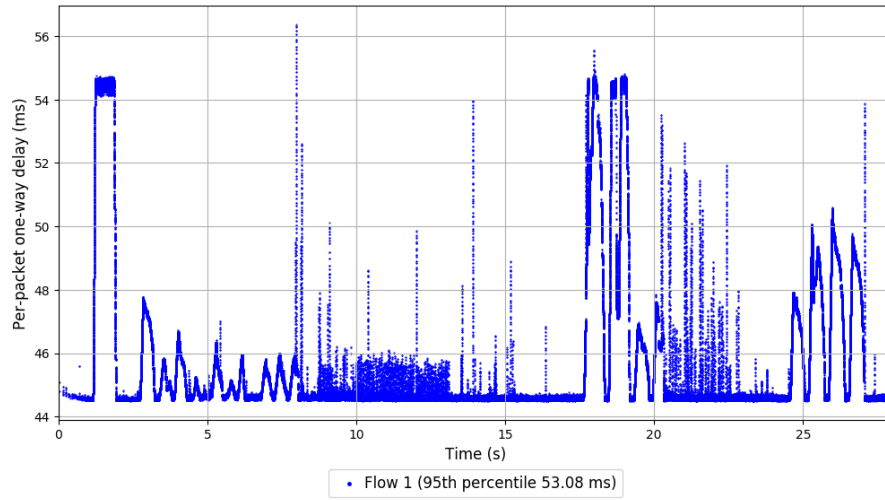
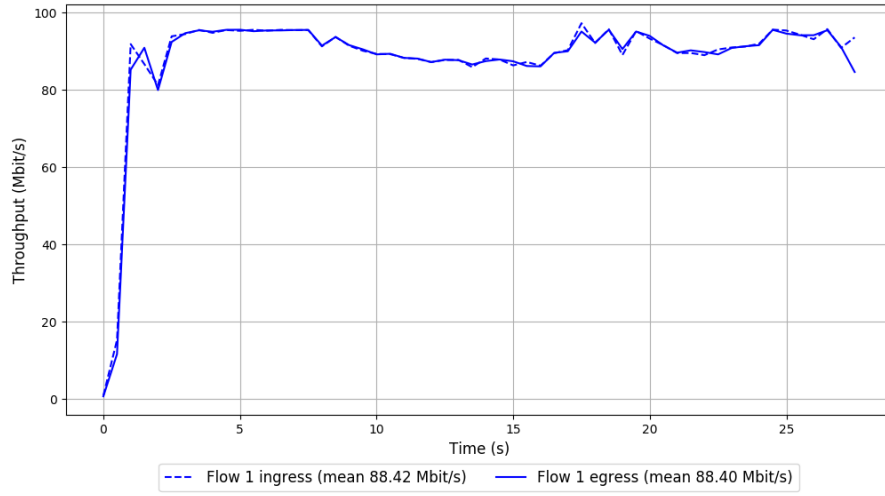
-- Flow 1:

Average throughput: 88.40 Mbit/s

95th percentile per-packet one-way delay: 53.080 ms

Loss rate: 0.35%

Run 10: Report of Copa — Data Link

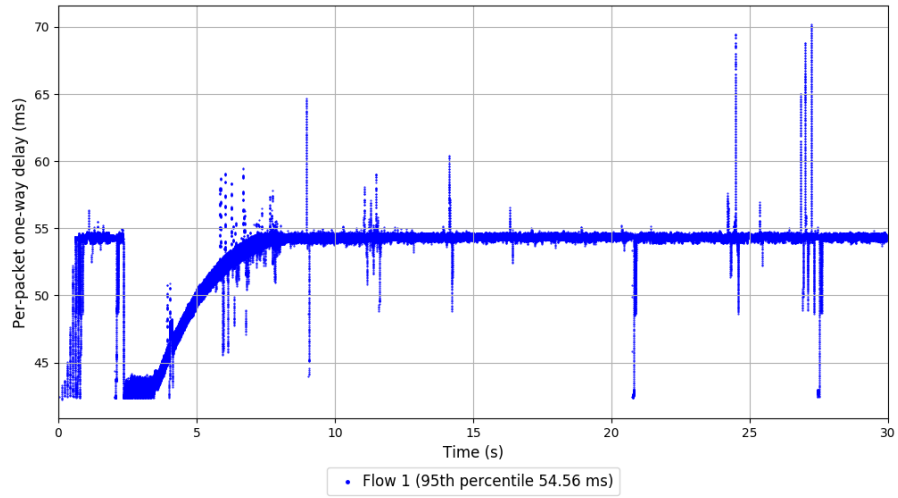
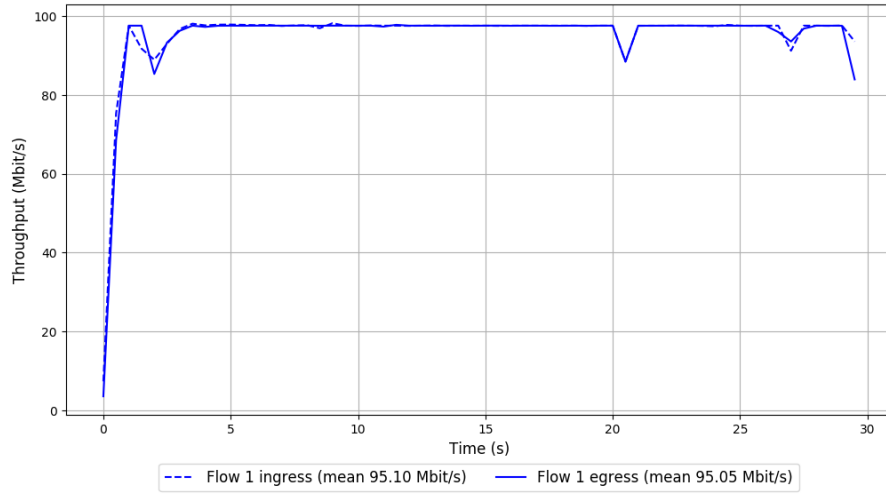


Run 1: Statistics of TCP Cubic

Start at: 2017-08-29 07:49:25
End at: 2017-08-29 07:49:56
Local clock offset: 0.795 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2017-08-29 14:53:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 54.560 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 54.560 ms
Loss rate: 0.35%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2017-08-29 08:09:50

End at: 2017-08-29 08:10:20

Local clock offset: 0.737 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2017-08-29 14:53:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 54.798 ms

Loss rate: 0.35%

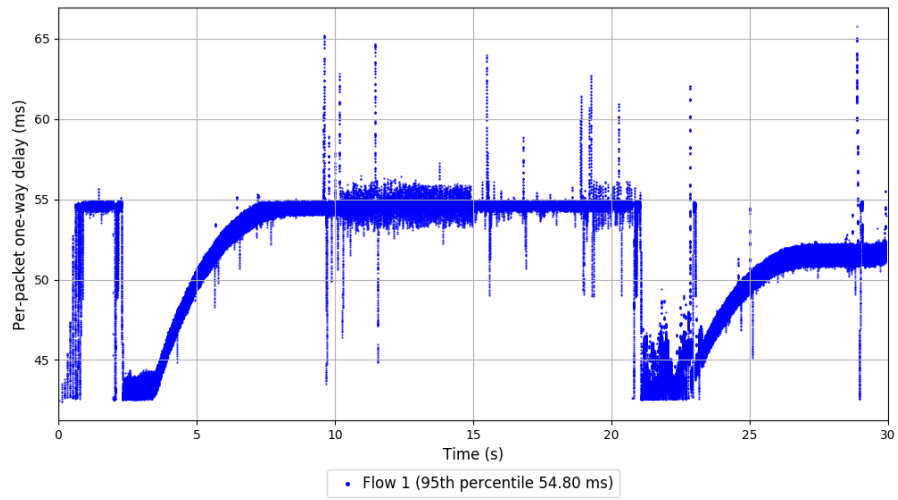
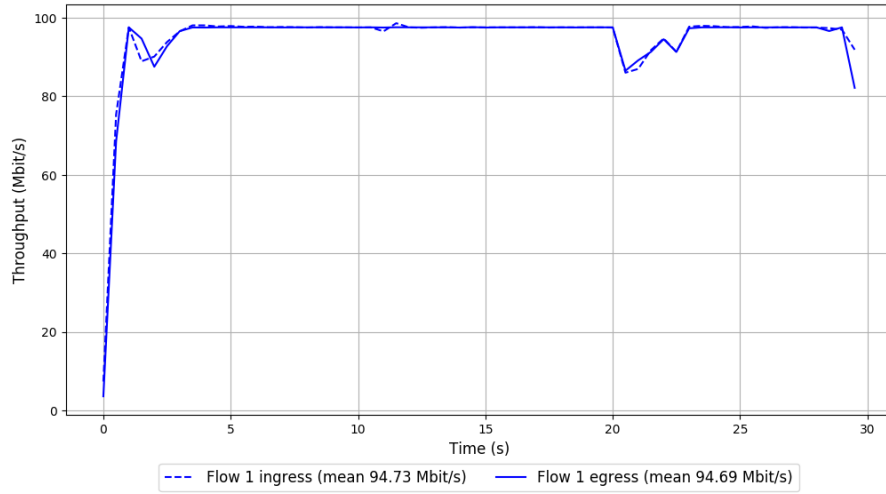
-- Flow 1:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 54.798 ms

Loss rate: 0.35%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2017-08-29 08:30:07

End at: 2017-08-29 08:30:37

Local clock offset: 0.674 ms

Remote clock offset: 0.754 ms

Below is generated by plot.py at 2017-08-29 14:54:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 54.657 ms

Loss rate: 0.35%

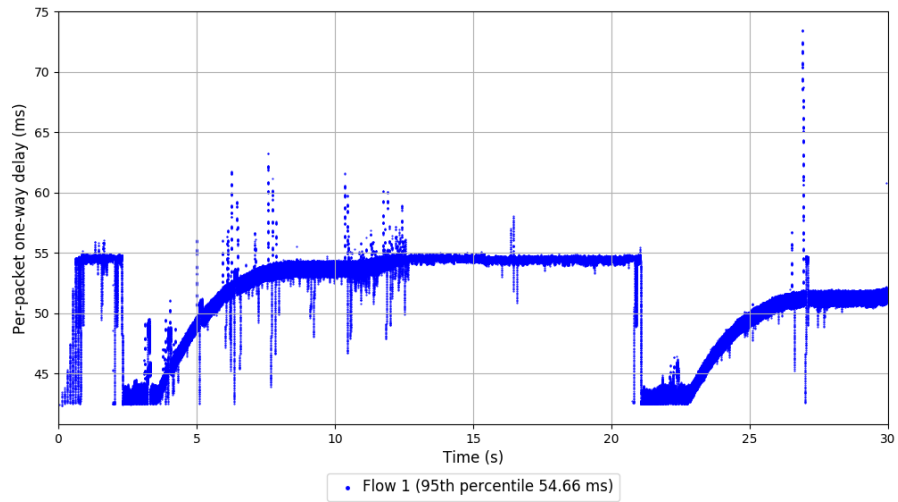
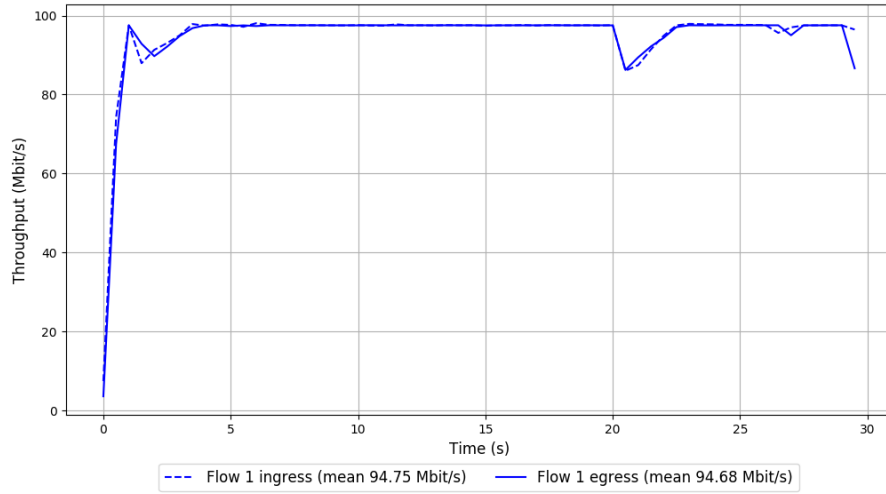
-- Flow 1:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 54.657 ms

Loss rate: 0.35%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-08-29 08:50:27

End at: 2017-08-29 08:50:57

Local clock offset: 0.616 ms

Remote clock offset: 1.087 ms

Below is generated by plot.py at 2017-08-29 14:54:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.04 Mbit/s

95th percentile per-packet one-way delay: 53.954 ms

Loss rate: 0.36%

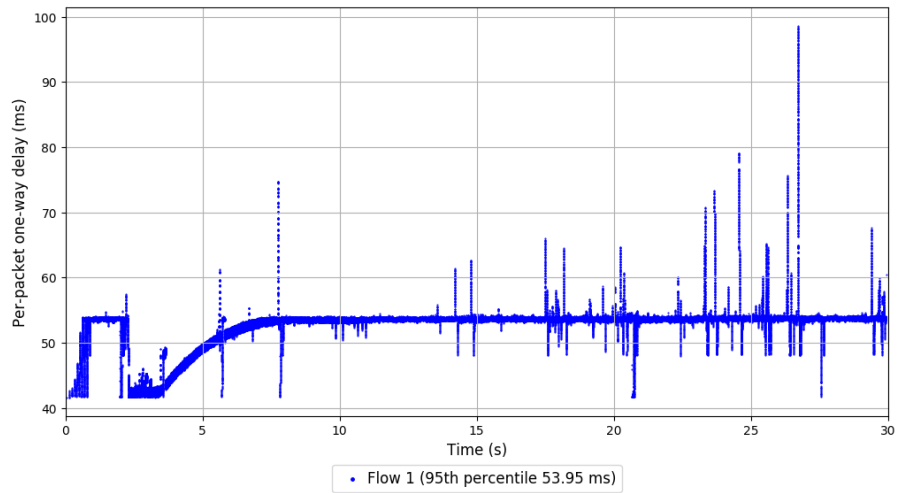
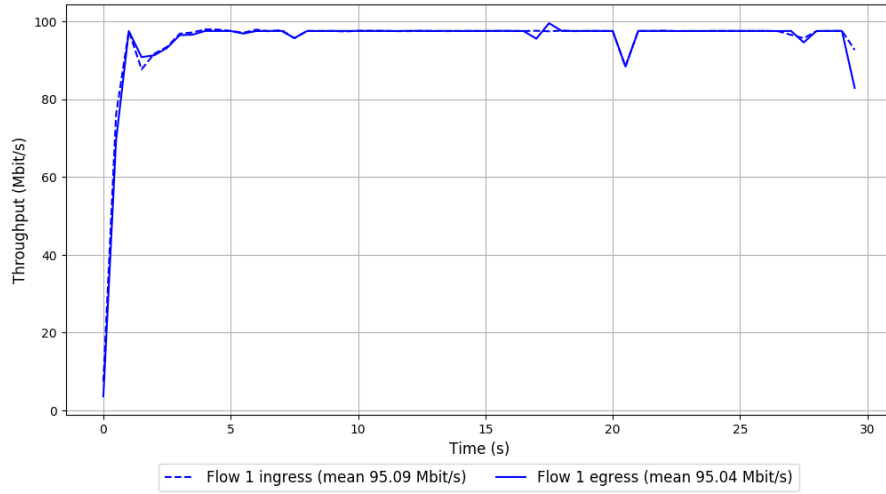
-- Flow 1:

Average throughput: 95.04 Mbit/s

95th percentile per-packet one-way delay: 53.954 ms

Loss rate: 0.36%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2017-08-29 09:10:48

End at: 2017-08-29 09:11:19

Local clock offset: 0.712 ms

Remote clock offset: 1.632 ms

Below is generated by plot.py at 2017-08-29 14:54:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 53.460 ms

Loss rate: 0.35%

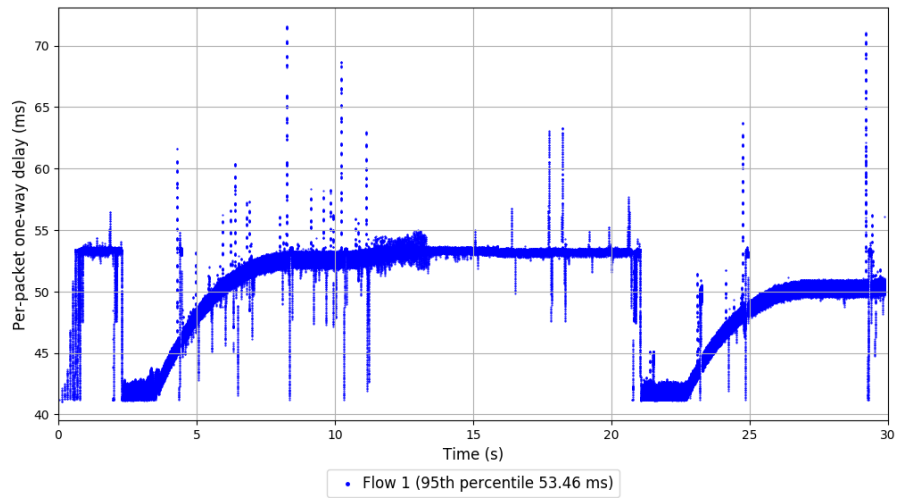
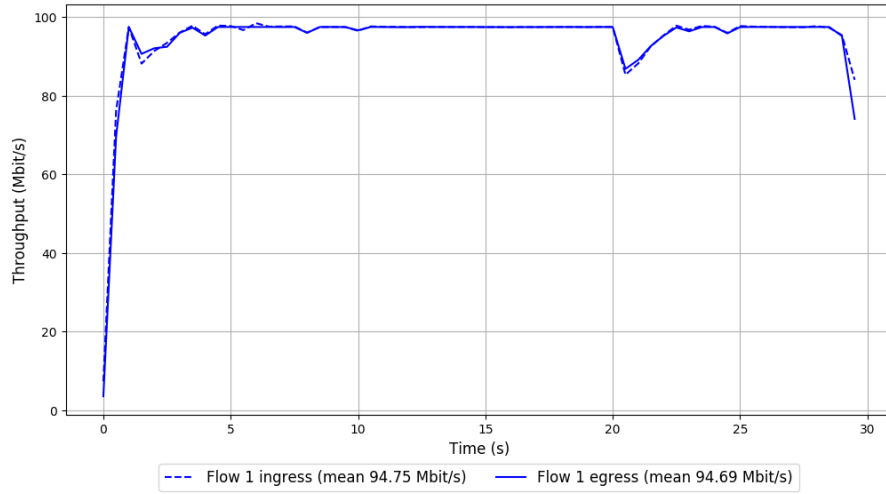
-- Flow 1:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 53.460 ms

Loss rate: 0.35%

Run 5: Report of TCP Cubic — Data Link

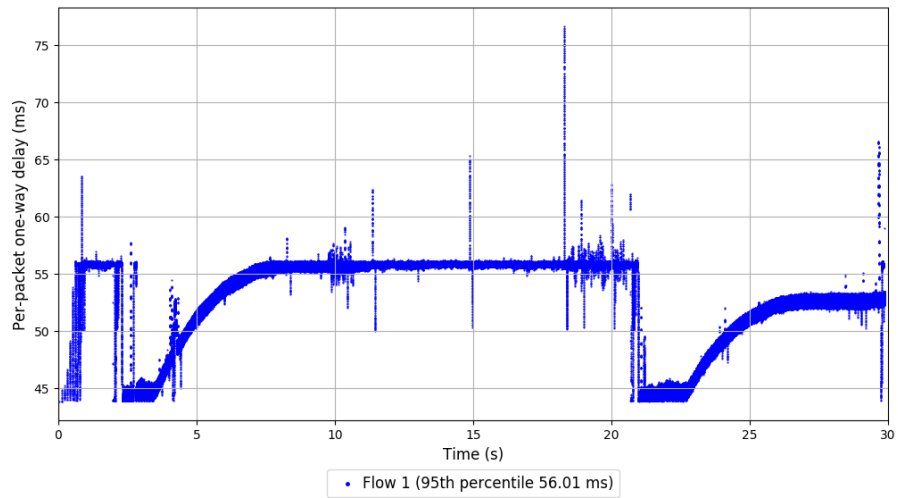
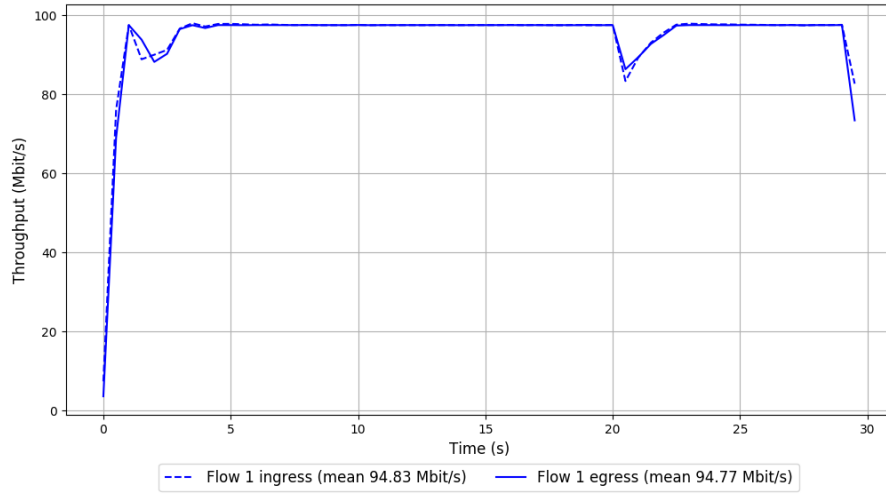


Run 6: Statistics of TCP Cubic

Start at: 2017-08-29 09:31:11
End at: 2017-08-29 09:31:41
Local clock offset: 0.675 ms
Remote clock offset: -1.262 ms

Below is generated by plot.py at 2017-08-29 14:54:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.77 Mbit/s
95th percentile per-packet one-way delay: 56.009 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 94.77 Mbit/s
95th percentile per-packet one-way delay: 56.009 ms
Loss rate: 0.35%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2017-08-29 09:51:32

End at: 2017-08-29 09:52:02

Local clock offset: 0.615 ms

Remote clock offset: 0.779 ms

Below is generated by plot.py at 2017-08-29 14:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 53.875 ms

Loss rate: 0.35%

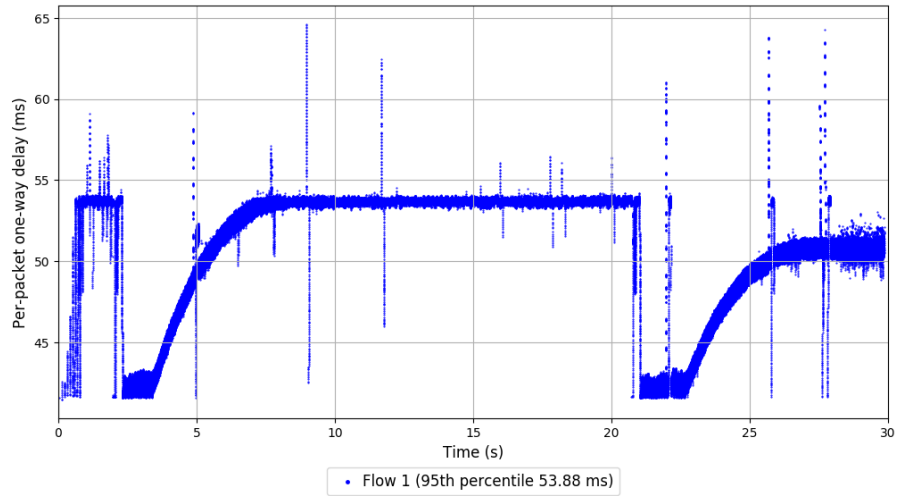
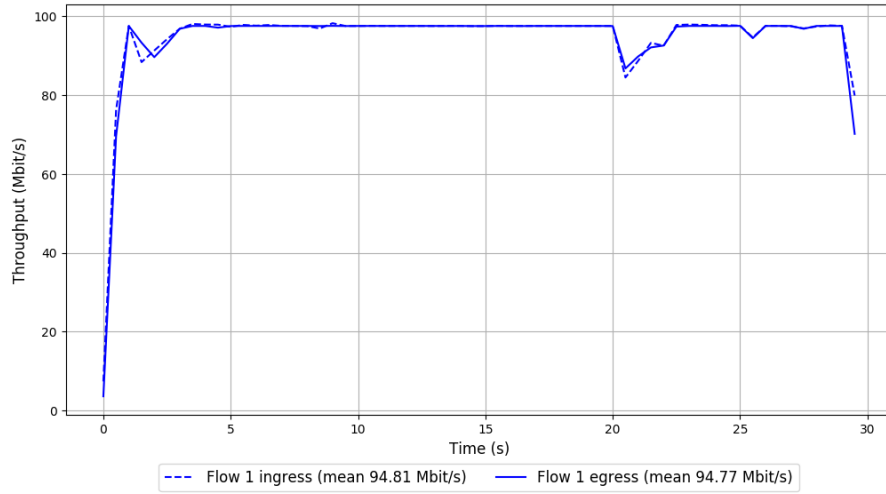
-- Flow 1:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 53.875 ms

Loss rate: 0.35%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-08-29 10:11:53

End at: 2017-08-29 10:12:23

Local clock offset: 0.587 ms

Remote clock offset: 0.702 ms

Below is generated by plot.py at 2017-08-29 14:54:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.76 Mbit/s

95th percentile per-packet one-way delay: 53.817 ms

Loss rate: 0.35%

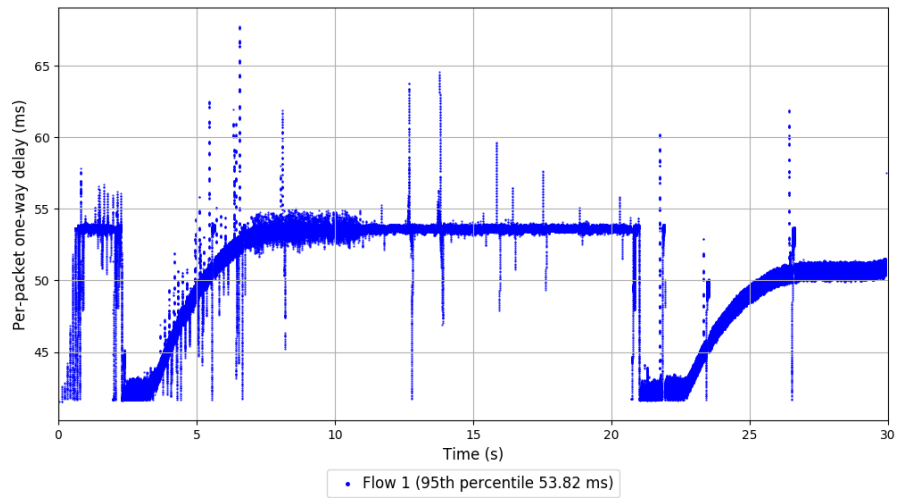
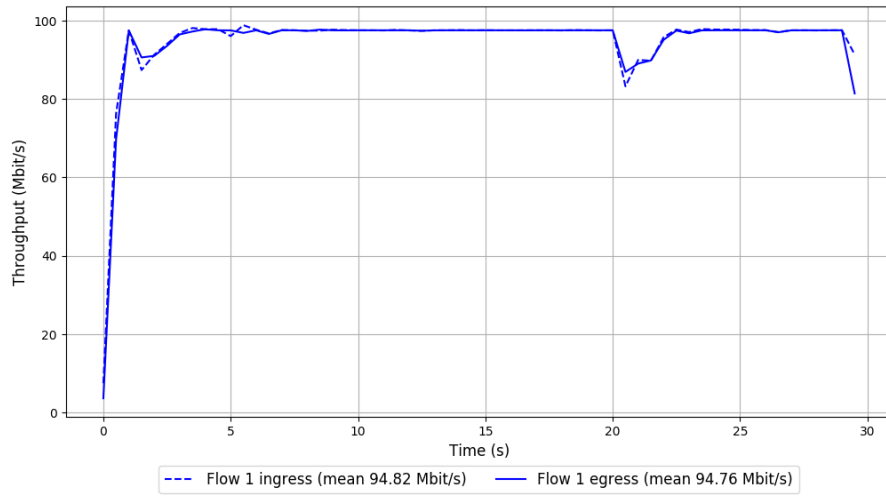
-- Flow 1:

Average throughput: 94.76 Mbit/s

95th percentile per-packet one-way delay: 53.817 ms

Loss rate: 0.35%

Run 8: Report of TCP Cubic — Data Link

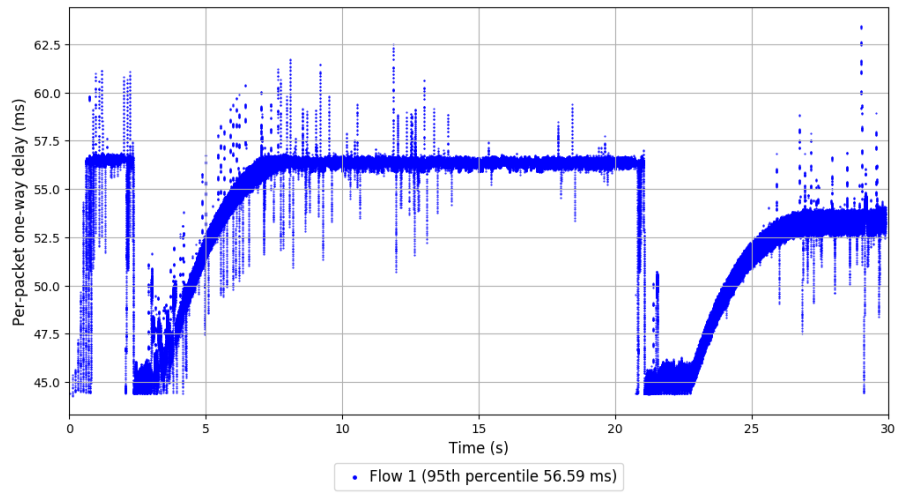
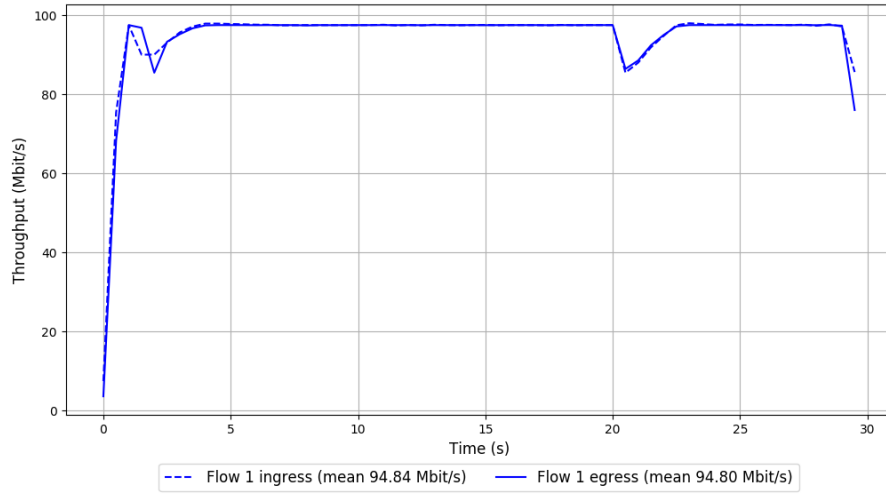


Run 9: Statistics of TCP Cubic

Start at: 2017-08-29 10:32:11
End at: 2017-08-29 10:32:41
Local clock offset: 0.534 ms
Remote clock offset: -1.841 ms

Below is generated by plot.py at 2017-08-29 14:54:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 56.590 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 56.590 ms
Loss rate: 0.35%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-08-29 10:52:33

End at: 2017-08-29 10:53:03

Local clock offset: 0.454 ms

Remote clock offset: -2.467 ms

Below is generated by plot.py at 2017-08-29 14:54:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.04 Mbit/s

95th percentile per-packet one-way delay: 56.917 ms

Loss rate: 0.35%

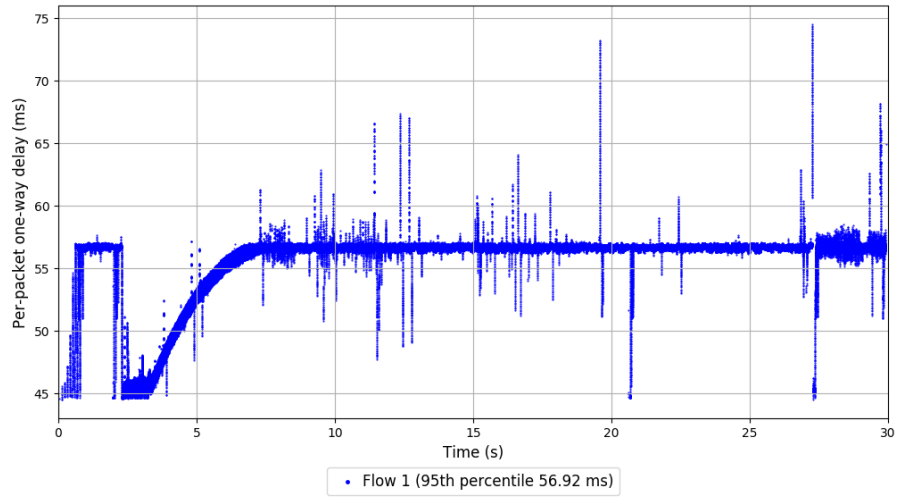
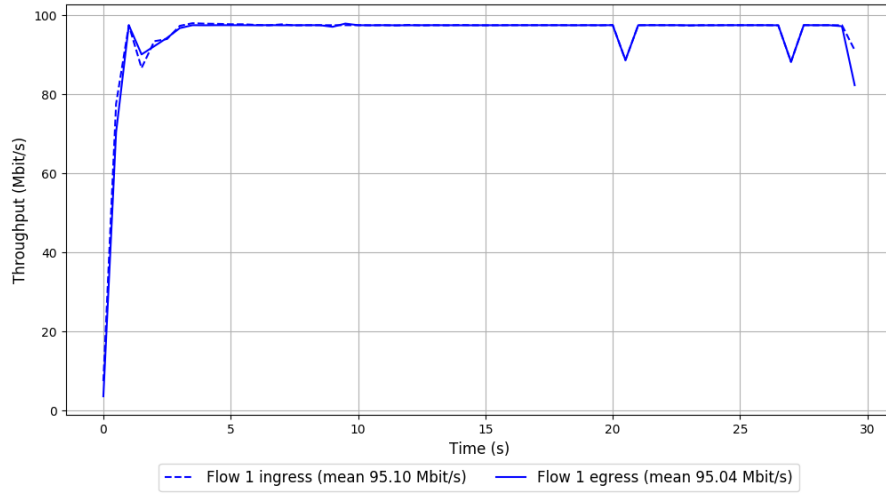
-- Flow 1:

Average throughput: 95.04 Mbit/s

95th percentile per-packet one-way delay: 56.917 ms

Loss rate: 0.35%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of Indigo

Start at: 2017-08-29 07:43:53

End at: 2017-08-29 07:44:23

Local clock offset: 0.672 ms

Remote clock offset: -2.621 ms

Below is generated by plot.py at 2017-08-29 14:54:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 55.882 ms

Loss rate: 0.36%

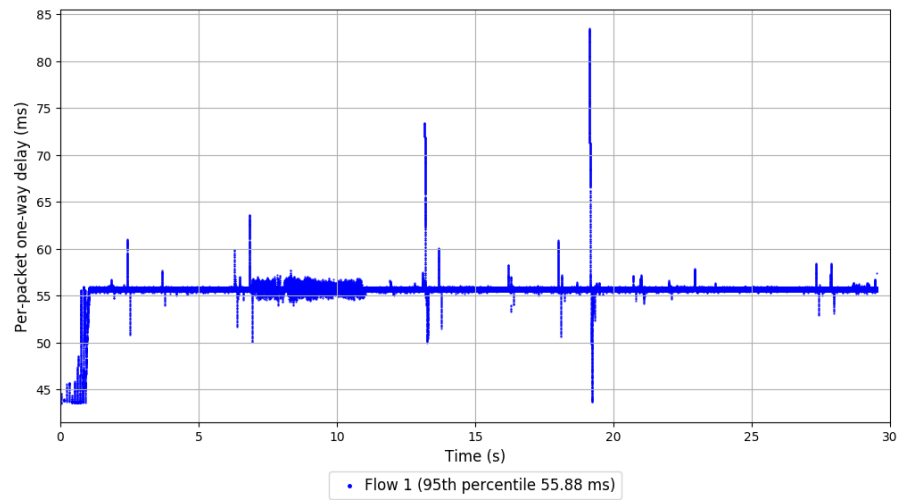
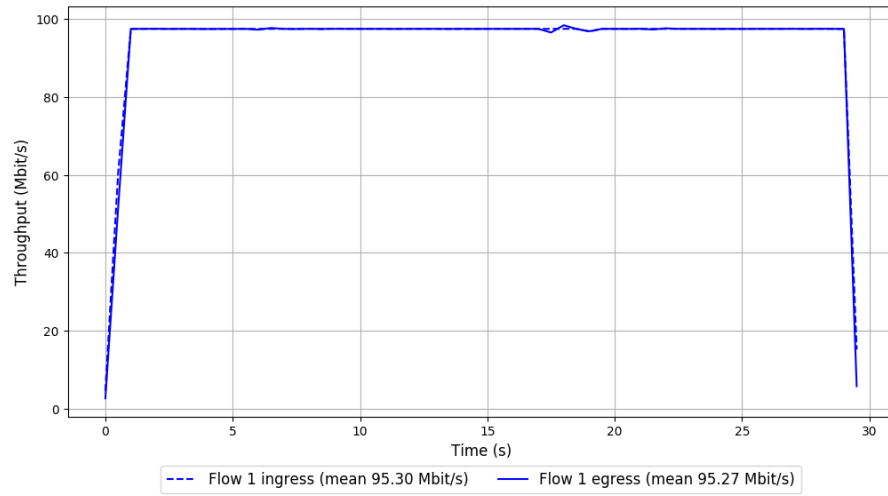
-- Flow 1:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 55.882 ms

Loss rate: 0.36%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-08-29 08:04:18

End at: 2017-08-29 08:04:48

Local clock offset: 0.718 ms

Remote clock offset: 0.606 ms

Below is generated by plot.py at 2017-08-29 14:54:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.13 Mbit/s

95th percentile per-packet one-way delay: 44.655 ms

Loss rate: 0.32%

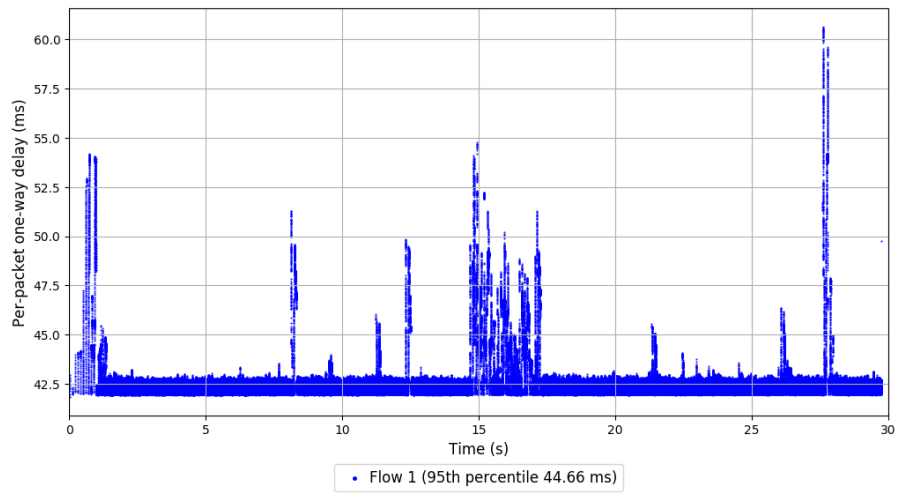
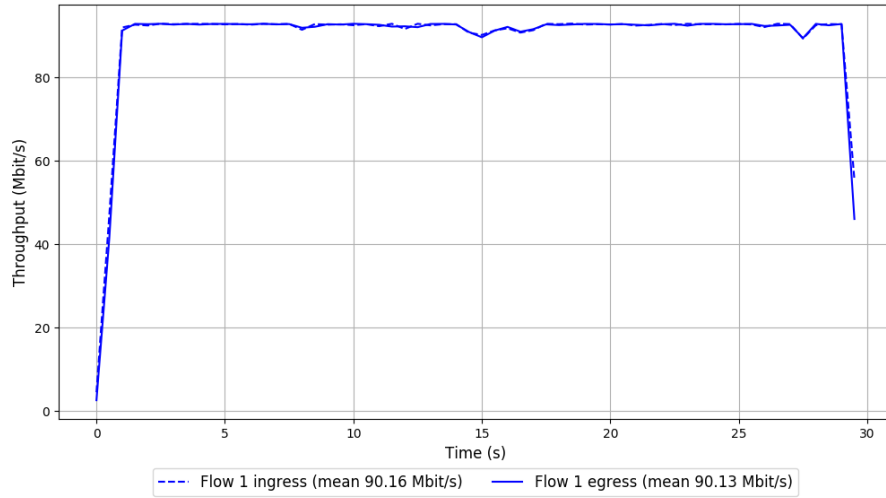
-- Flow 1:

Average throughput: 90.13 Mbit/s

95th percentile per-packet one-way delay: 44.655 ms

Loss rate: 0.32%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-08-29 08:24:37

End at: 2017-08-29 08:25:07

Local clock offset: 0.674 ms

Remote clock offset: -1.475 ms

Below is generated by plot.py at 2017-08-29 14:55:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 56.061 ms

Loss rate: 0.35%

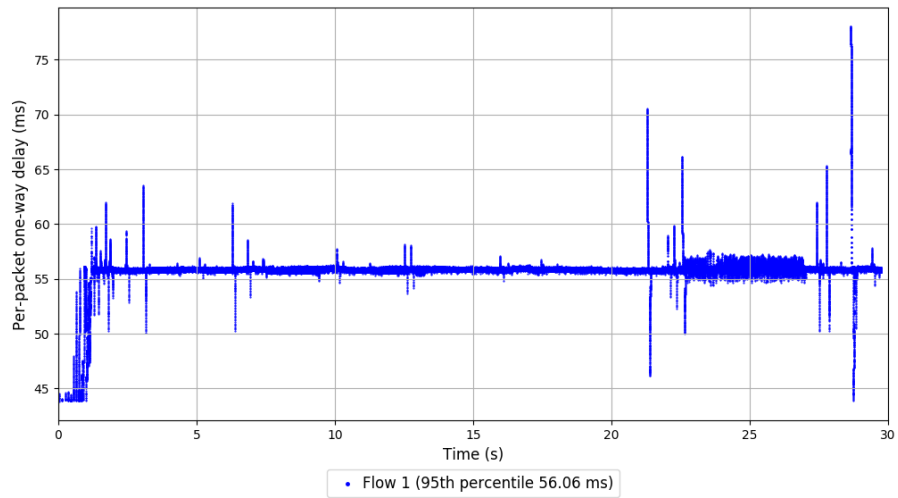
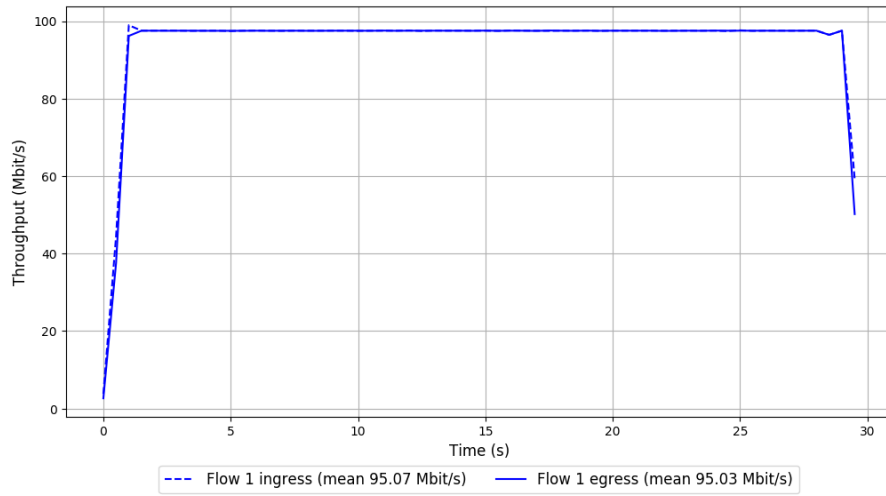
-- Flow 1:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 56.061 ms

Loss rate: 0.35%

Run 3: Report of Indigo — Data Link

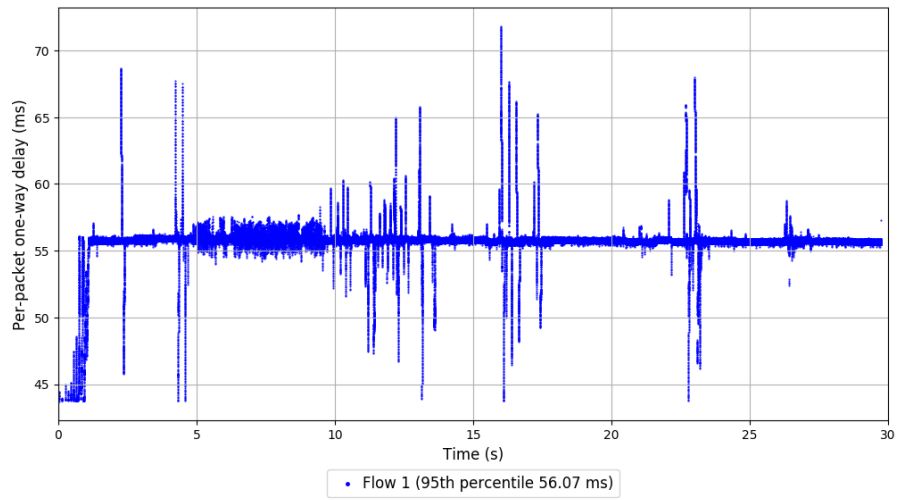
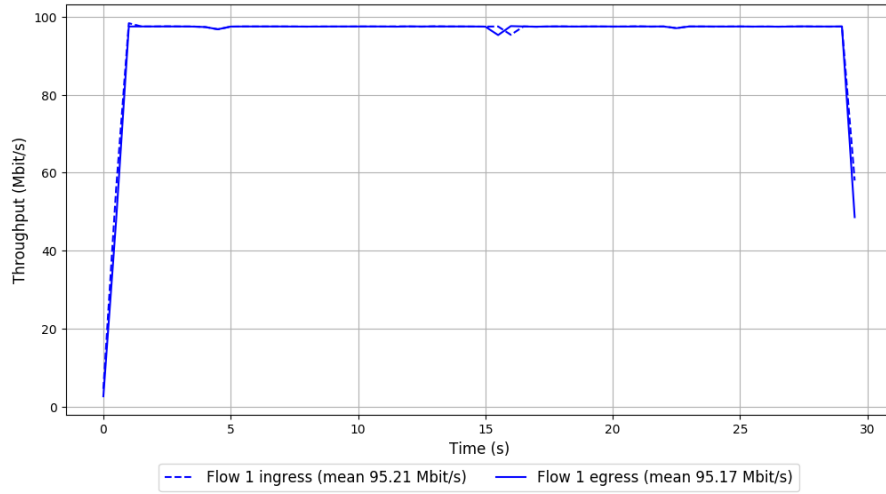


Run 4: Statistics of Indigo

Start at: 2017-08-29 08:44:55
End at: 2017-08-29 08:45:25
Local clock offset: 0.676 ms
Remote clock offset: -1.066 ms

```
# Below is generated by plot.py at 2017-08-29 14:55:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 56.073 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 56.073 ms
Loss rate: 0.36%
```

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2017-08-29 09:05:16

End at: 2017-08-29 09:05:46

Local clock offset: 0.592 ms

Remote clock offset: 1.063 ms

Below is generated by plot.py at 2017-08-29 14:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.24 Mbit/s

95th percentile per-packet one-way delay: 54.047 ms

Loss rate: 0.36%

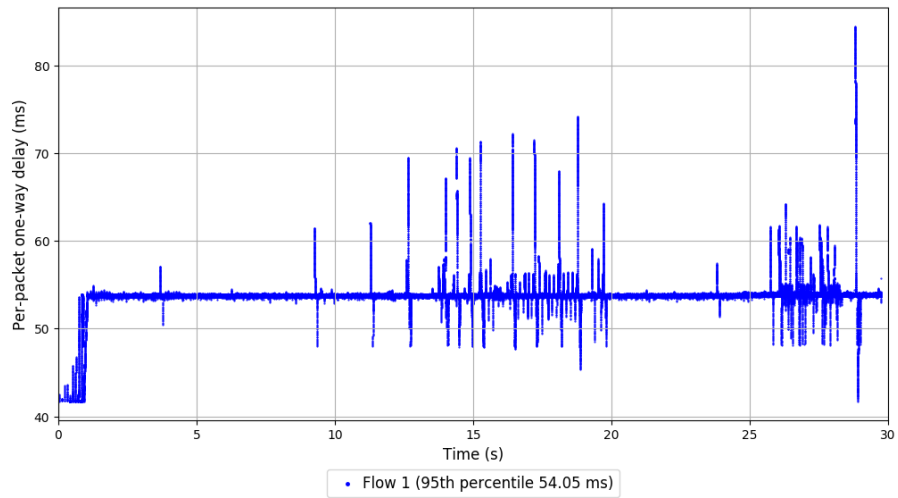
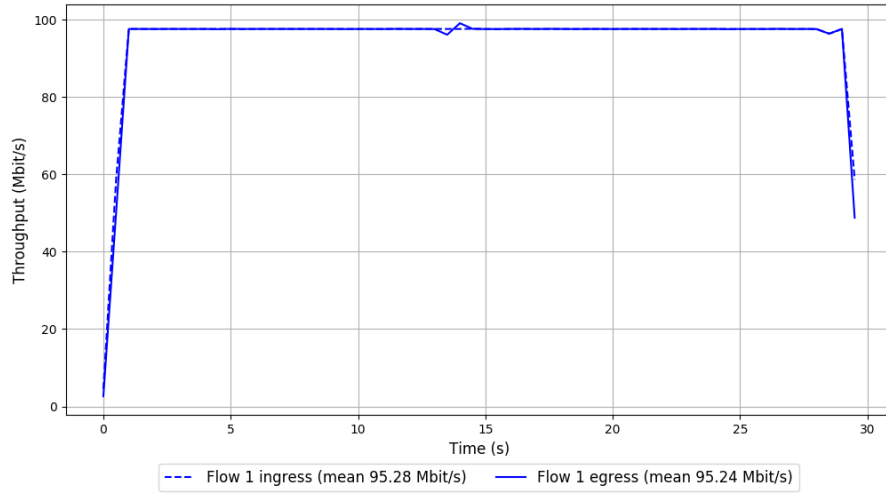
-- Flow 1:

Average throughput: 95.24 Mbit/s

95th percentile per-packet one-way delay: 54.047 ms

Loss rate: 0.36%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-08-29 09:25:39

End at: 2017-08-29 09:26:09

Local clock offset: 0.597 ms

Remote clock offset: 0.891 ms

Below is generated by plot.py at 2017-08-29 14:55:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.92 Mbit/s

95th percentile per-packet one-way delay: 54.805 ms

Loss rate: 0.36%

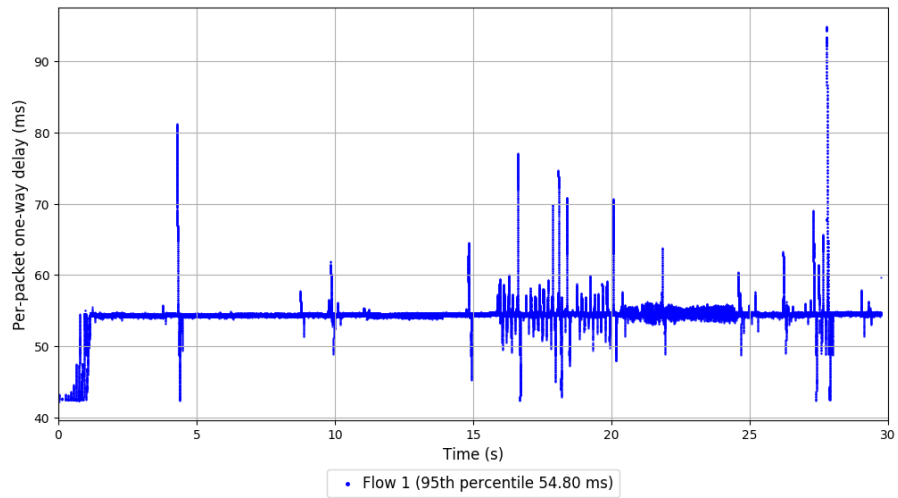
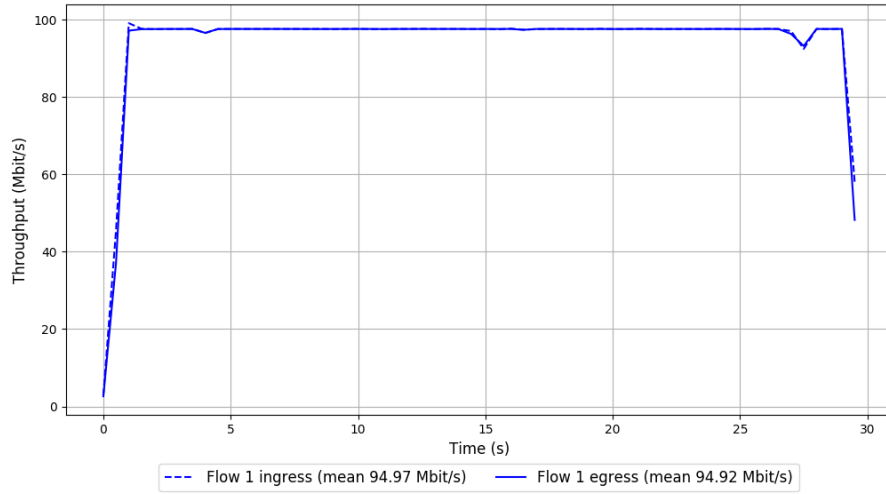
-- Flow 1:

Average throughput: 94.92 Mbit/s

95th percentile per-packet one-way delay: 54.805 ms

Loss rate: 0.36%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-08-29 09:46:00

End at: 2017-08-29 09:46:30

Local clock offset: 0.538 ms

Remote clock offset: -1.42 ms

Below is generated by plot.py at 2017-08-29 14:55:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.26 Mbit/s

95th percentile per-packet one-way delay: 56.091 ms

Loss rate: 0.36%

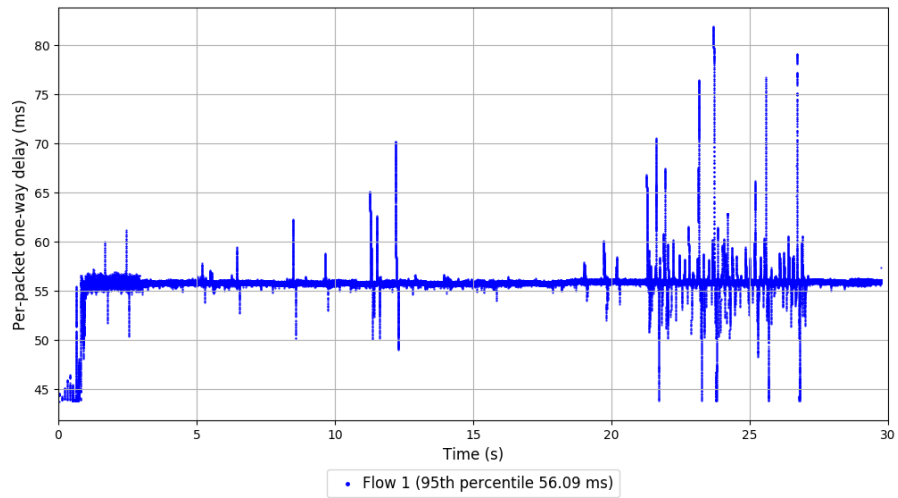
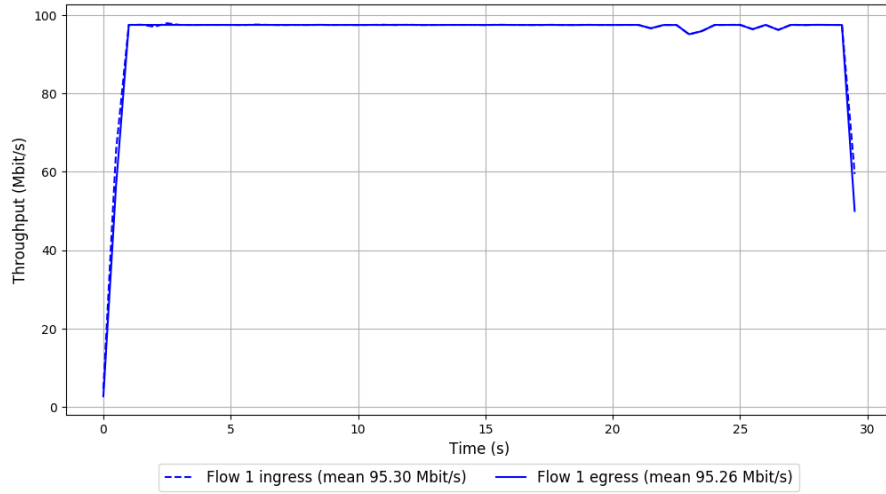
-- Flow 1:

Average throughput: 95.26 Mbit/s

95th percentile per-packet one-way delay: 56.091 ms

Loss rate: 0.36%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-08-29 10:06:20

End at: 2017-08-29 10:06:50

Local clock offset: 0.509 ms

Remote clock offset: 0.637 ms

Below is generated by plot.py at 2017-08-29 14:55:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.01 Mbit/s

95th percentile per-packet one-way delay: 54.673 ms

Loss rate: 0.36%

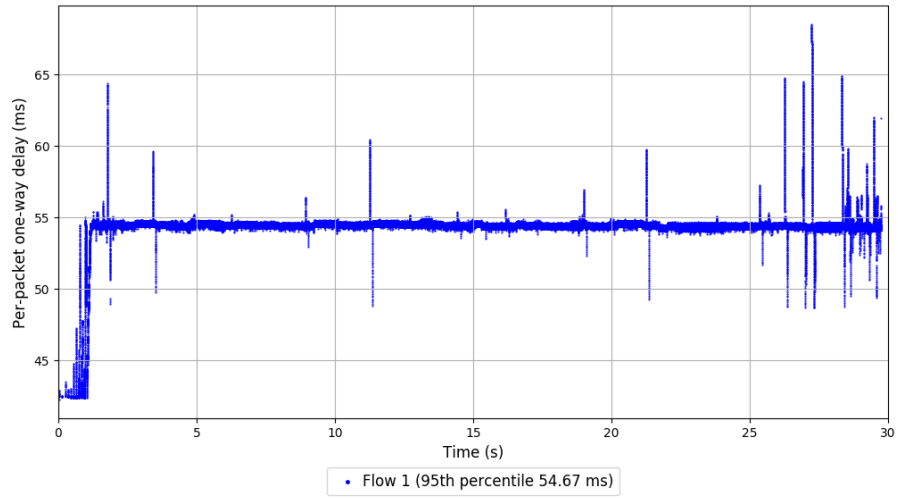
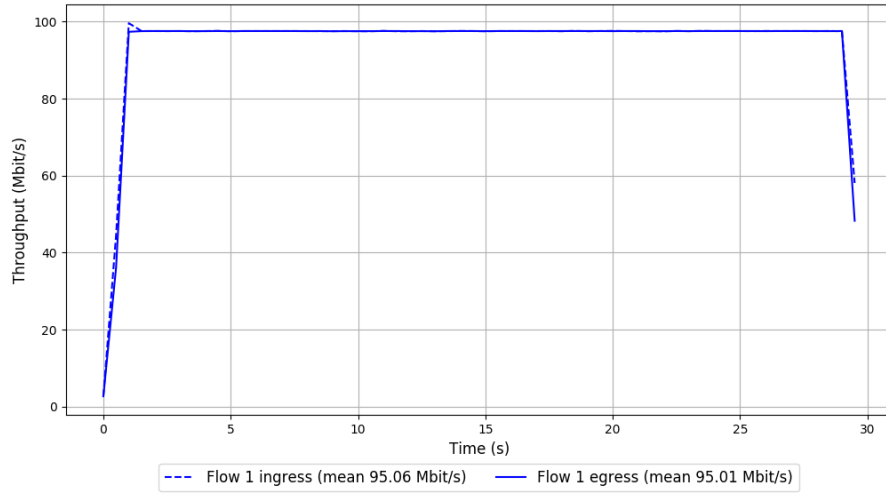
-- Flow 1:

Average throughput: 95.01 Mbit/s

95th percentile per-packet one-way delay: 54.673 ms

Loss rate: 0.36%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2017-08-29 10:26:40

End at: 2017-08-29 10:27:10

Local clock offset: 0.47 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2017-08-29 14:55:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 53.991 ms

Loss rate: 0.36%

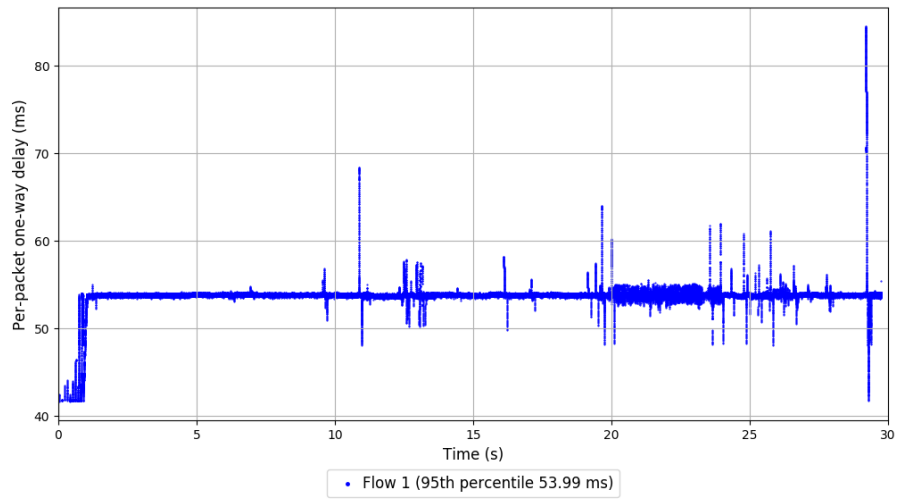
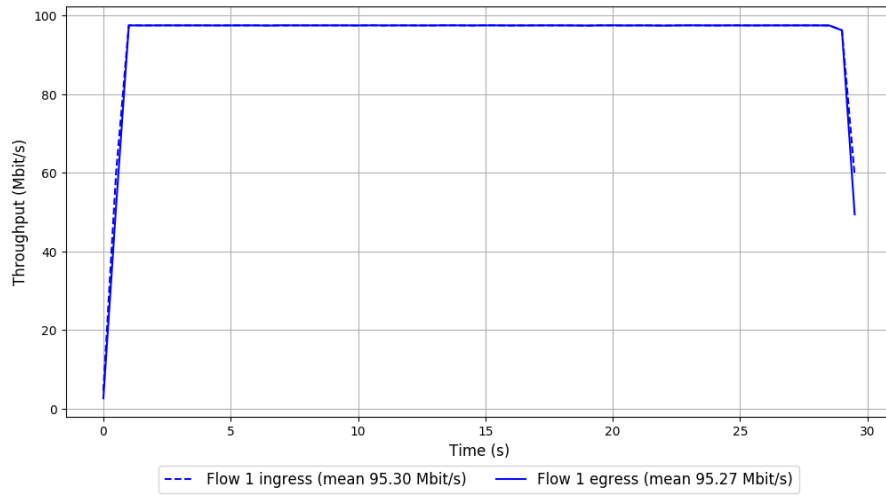
-- Flow 1:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 53.991 ms

Loss rate: 0.36%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-08-29 10:47:01

End at: 2017-08-29 10:47:31

Local clock offset: 0.457 ms

Remote clock offset: -0.017 ms

Below is generated by plot.py at 2017-08-29 14:55:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.76 Mbit/s

95th percentile per-packet one-way delay: 51.646 ms

Loss rate: 0.34%

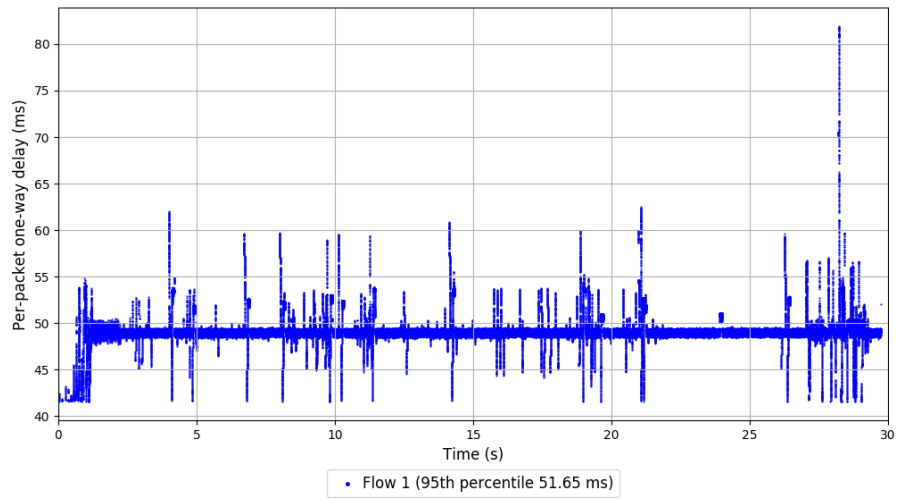
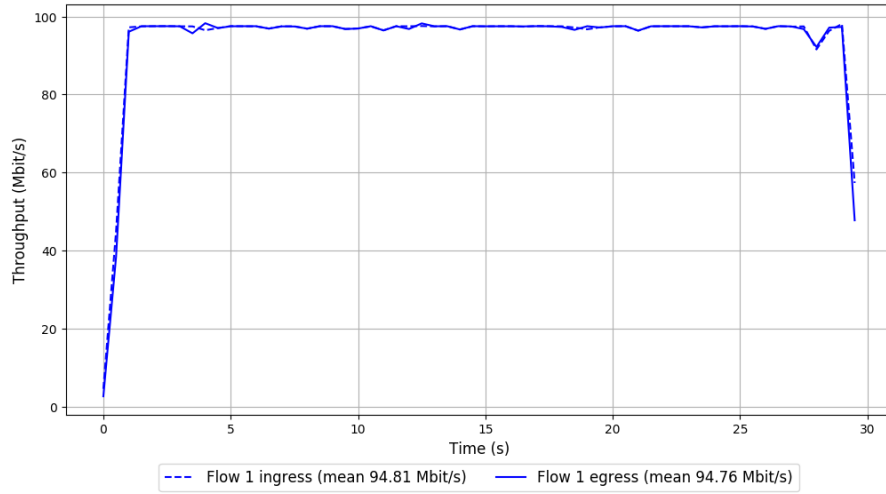
-- Flow 1:

Average throughput: 94.76 Mbit/s

95th percentile per-packet one-way delay: 51.646 ms

Loss rate: 0.34%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of KohoCC

Start at: 2017-08-29 07:48:07

End at: 2017-08-29 07:48:37

Local clock offset: 0.71 ms

Remote clock offset: -2.562 ms

Below is generated by plot.py at 2017-08-29 14:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.81 Mbit/s

95th percentile per-packet one-way delay: 44.608 ms

Loss rate: 0.31%

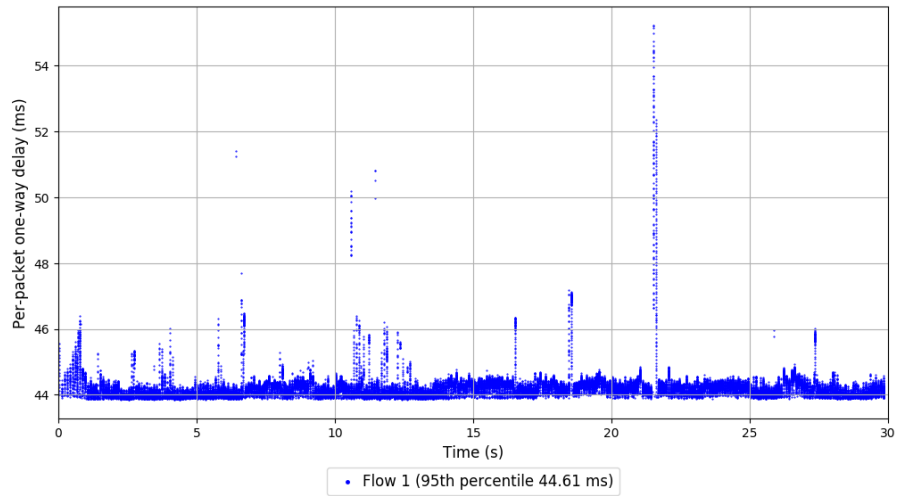
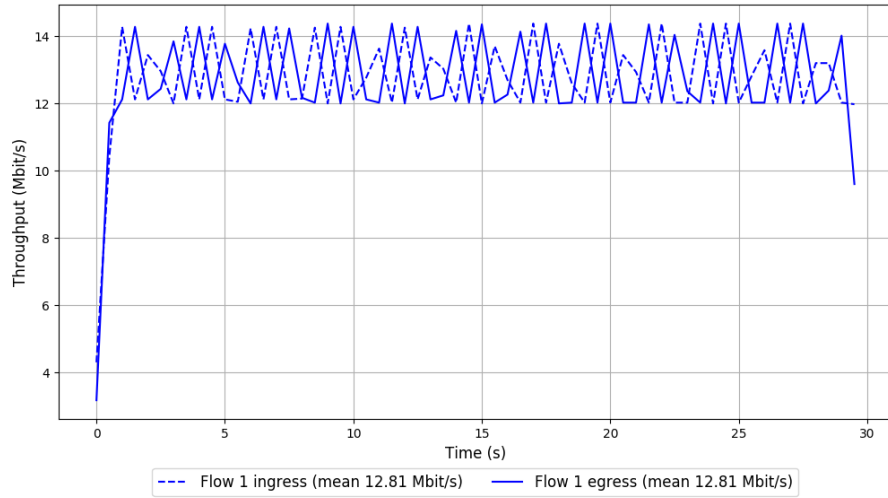
-- Flow 1:

Average throughput: 12.81 Mbit/s

95th percentile per-packet one-way delay: 44.608 ms

Loss rate: 0.31%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

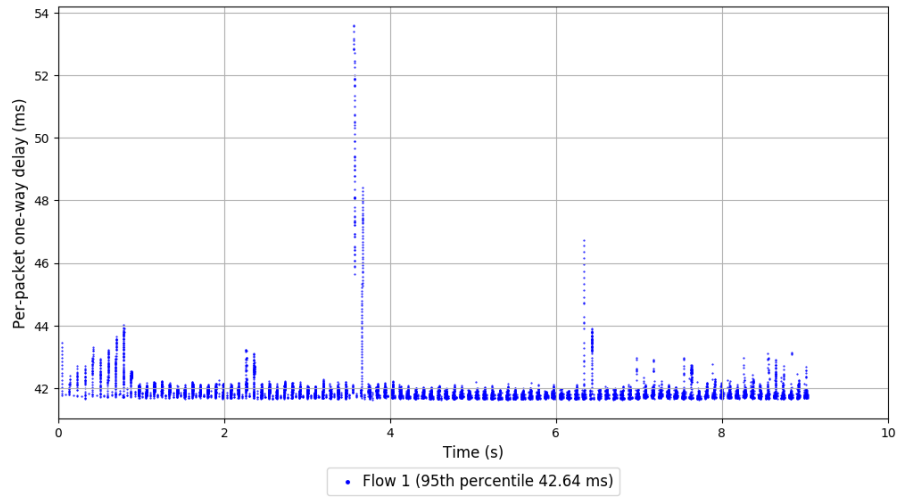
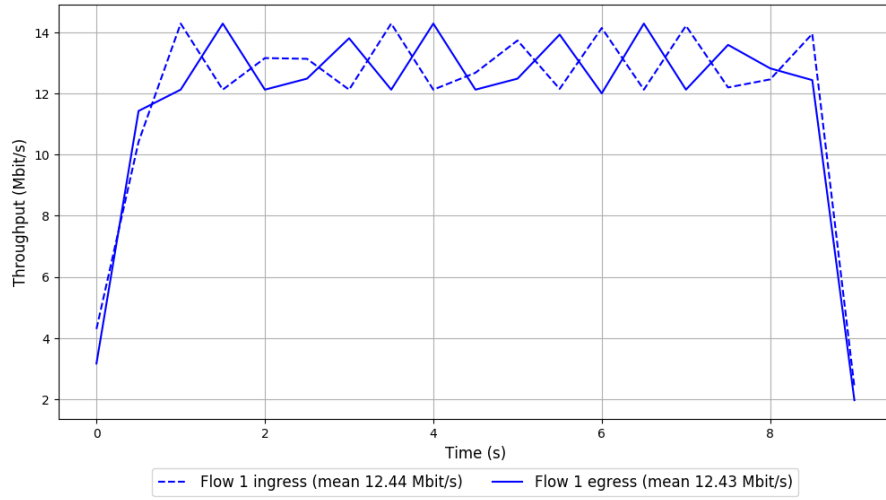
Start at: 2017-08-29 08:08:32

End at: 2017-08-29 08:09:02

Local clock offset: 0.636 ms

Remote clock offset: 0.243 ms

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

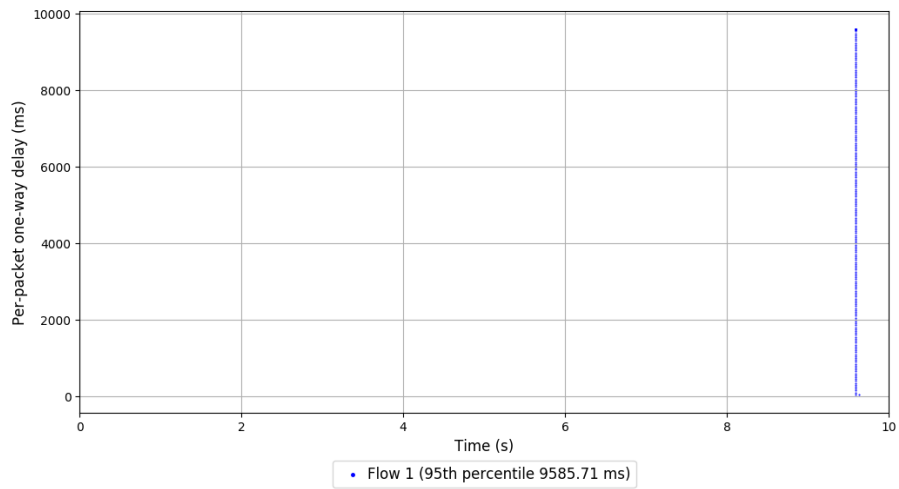
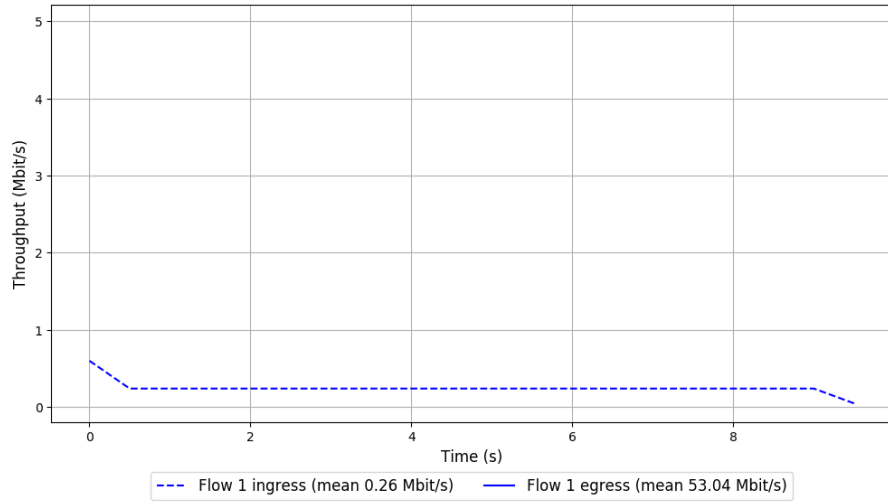
Start at: 2017-08-29 08:28:51

End at: 2017-08-29 08:29:21

Local clock offset: 0.563 ms

Remote clock offset: 0.752 ms

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: 2017-08-29 08:49:09

End at: 2017-08-29 08:49:39

Local clock offset: 0.694 ms

Remote clock offset: 1.577 ms

Below is generated by plot.py at 2017-08-29 14:55:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.78 Mbit/s

95th percentile per-packet one-way delay: 41.830 ms

Loss rate: 0.35%

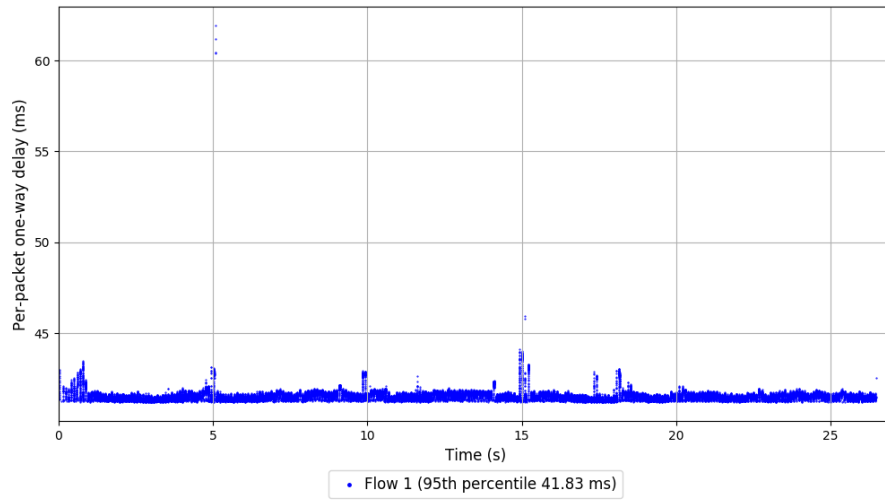
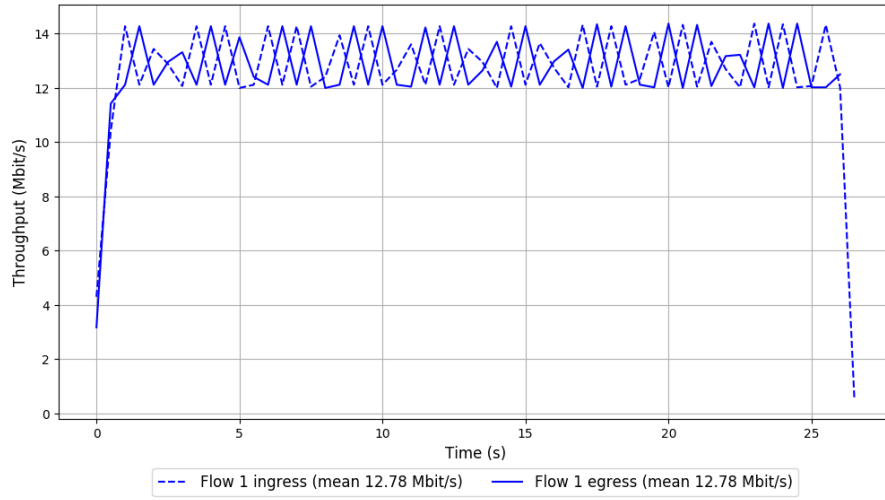
-- Flow 1:

Average throughput: 12.78 Mbit/s

95th percentile per-packet one-way delay: 41.830 ms

Loss rate: 0.35%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: 2017-08-29 09:09:30

End at: 2017-08-29 09:10:00

Local clock offset: 0.615 ms

Remote clock offset: 1.056 ms

Below is generated by plot.py at 2017-08-29 14:55:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 42.923 ms

Loss rate: 0.34%

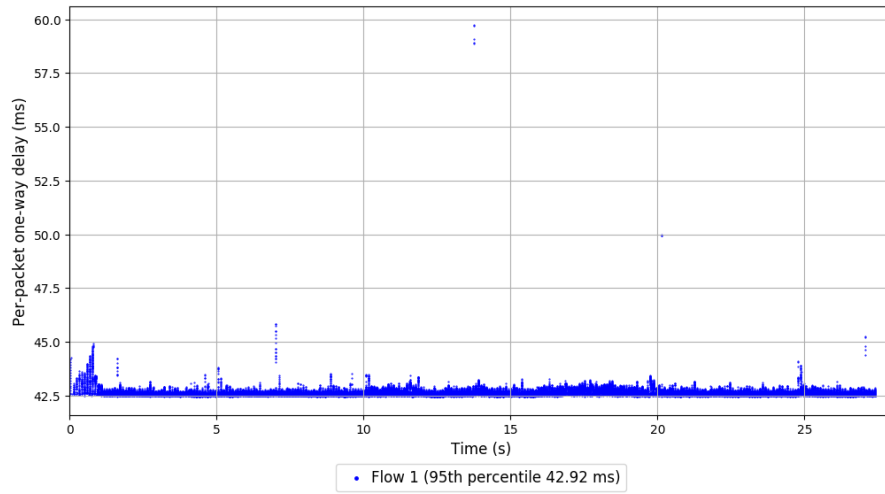
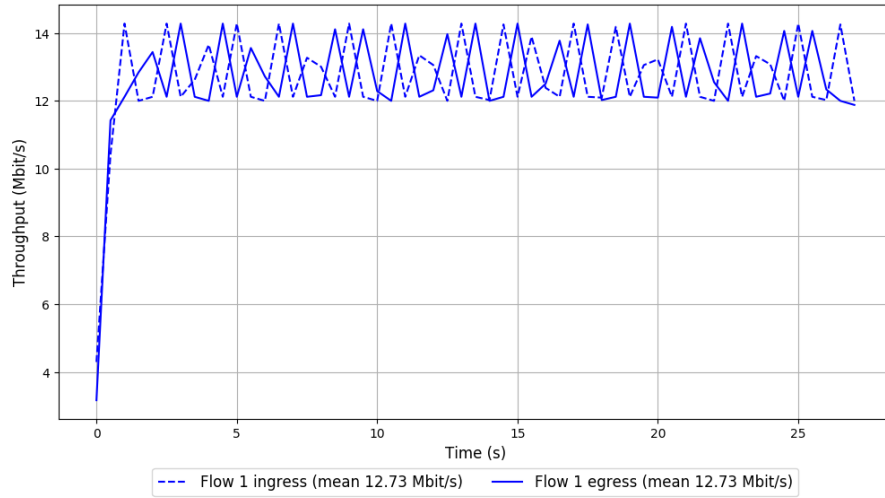
-- Flow 1:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 42.923 ms

Loss rate: 0.34%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: 2017-08-29 09:29:53

End at: 2017-08-29 09:30:23

Local clock offset: 0.635 ms

Remote clock offset: 0.952 ms

Below is generated by plot.py at 2017-08-29 14:55:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.78 Mbit/s

95th percentile per-packet one-way delay: 42.251 ms

Loss rate: 0.36%

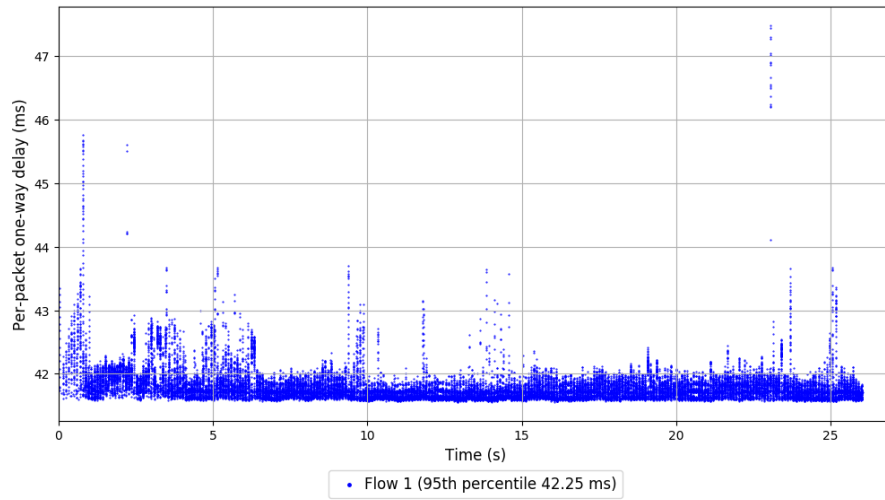
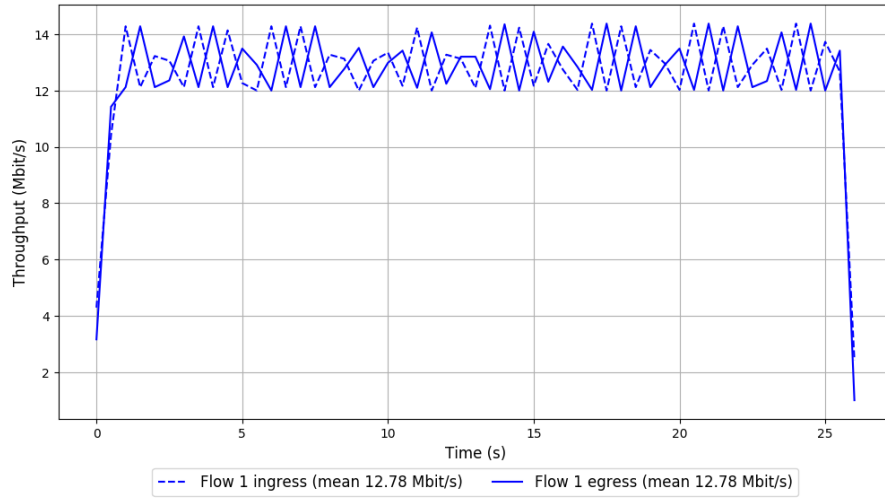
-- Flow 1:

Average throughput: 12.78 Mbit/s

95th percentile per-packet one-way delay: 42.251 ms

Loss rate: 0.36%

Run 6: Report of KohoCC — Data Link

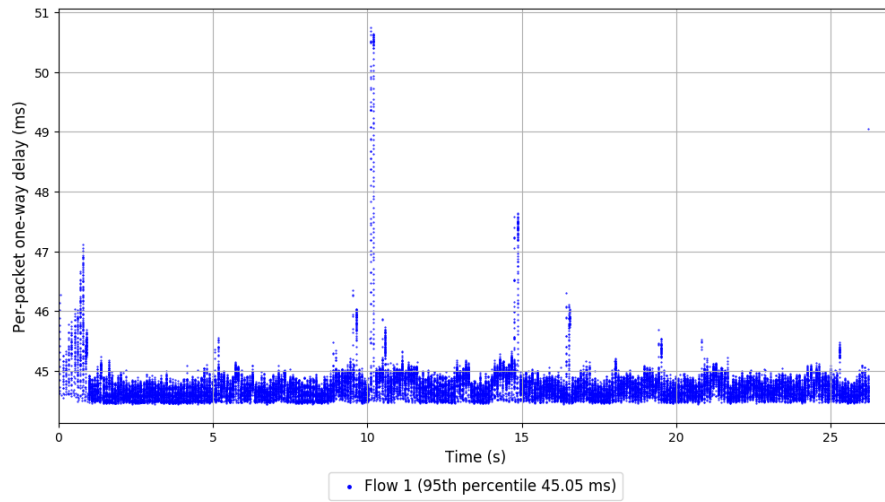
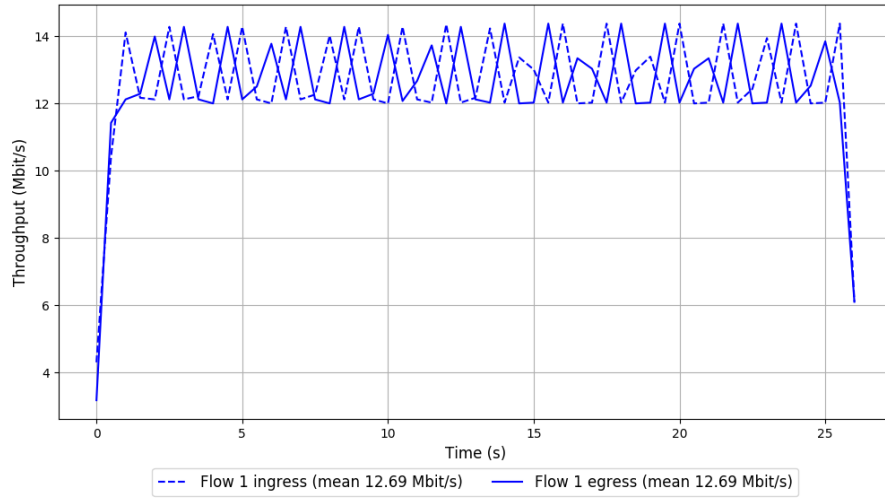


Run 7: Statistics of KohoCC

Start at: 2017-08-29 09:50:14
End at: 2017-08-29 09:50:44
Local clock offset: 0.621 ms
Remote clock offset: -1.263 ms

Below is generated by plot.py at 2017-08-29 14:55:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 45.052 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 45.052 ms
Loss rate: 0.36%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: 2017-08-29 10:10:35

End at: 2017-08-29 10:11:05

Local clock offset: 0.515 ms

Remote clock offset: 0.695 ms

Below is generated by plot.py at 2017-08-29 14:55:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.79 Mbit/s

95th percentile per-packet one-way delay: 42.240 ms

Loss rate: 0.31%

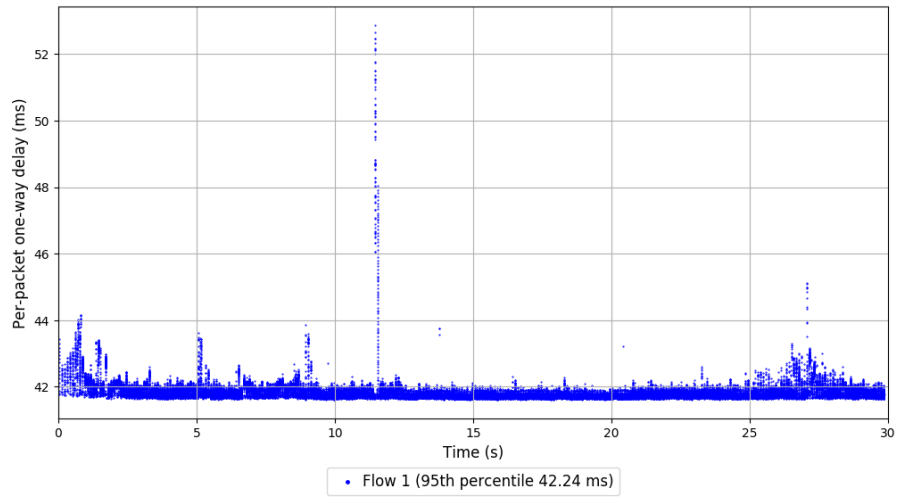
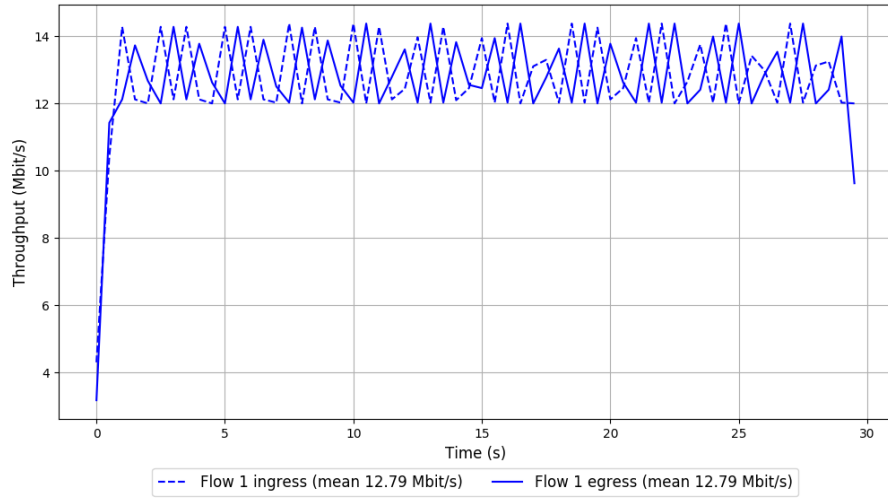
-- Flow 1:

Average throughput: 12.79 Mbit/s

95th percentile per-packet one-way delay: 42.240 ms

Loss rate: 0.31%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: 2017-08-29 10:30:53

End at: 2017-08-29 10:31:23

Local clock offset: 0.556 ms

Remote clock offset: 0.398 ms

Below is generated by plot.py at 2017-08-29 14:55:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.99 Mbit/s

95th percentile per-packet one-way delay: 42.316 ms

Loss rate: 0.31%

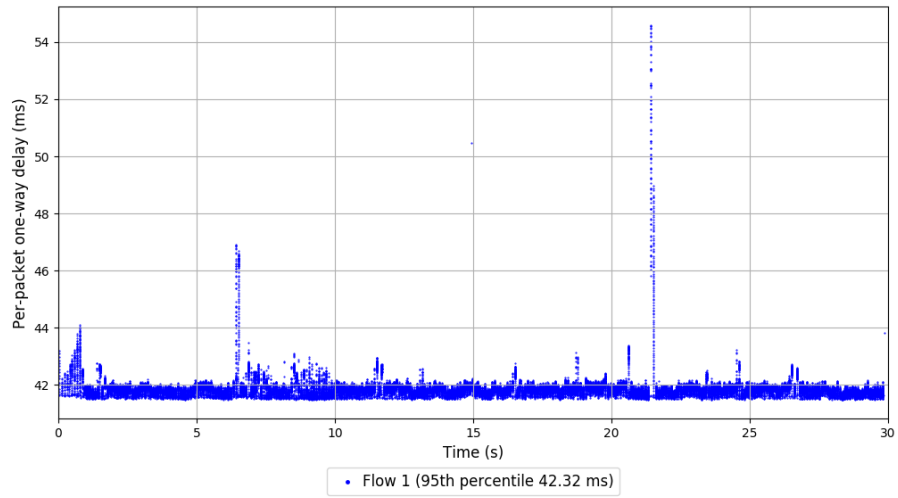
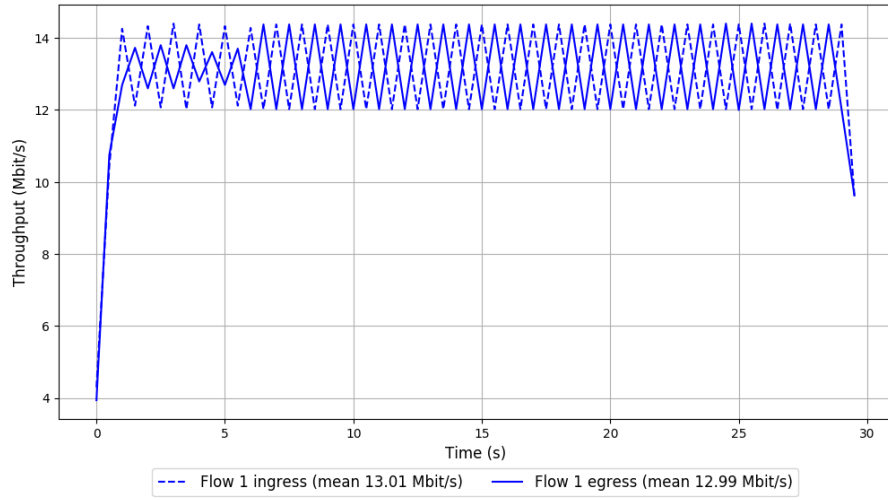
-- Flow 1:

Average throughput: 12.99 Mbit/s

95th percentile per-packet one-way delay: 42.316 ms

Loss rate: 0.31%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

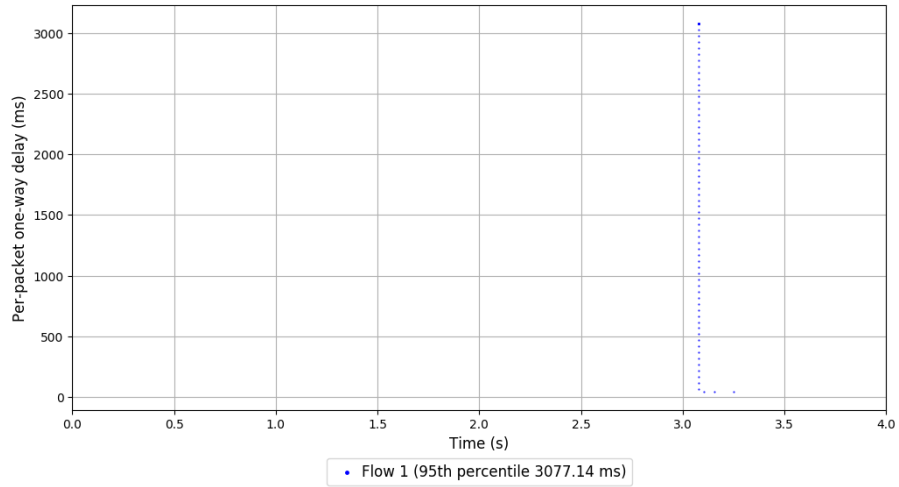
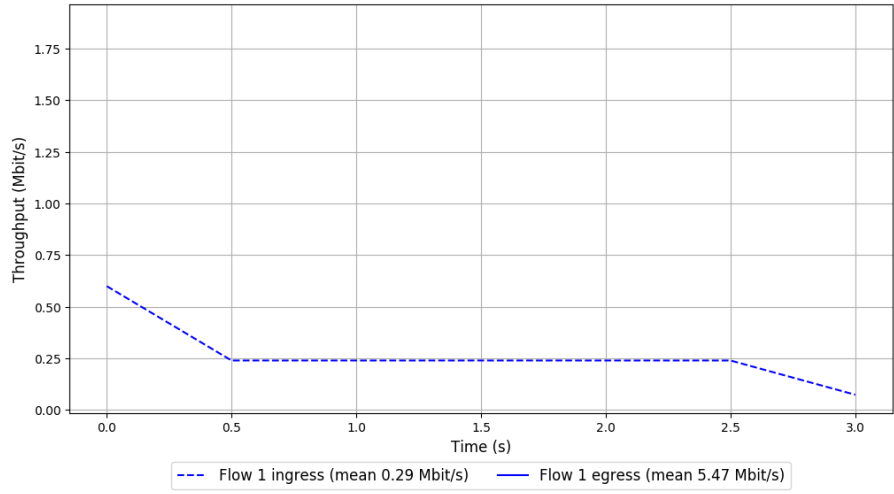
Start at: 2017-08-29 10:51:16

End at: 2017-08-29 10:51:46

Local clock offset: 0.361 ms

Remote clock offset: -2.434 ms

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: 2017-08-29 07:52:10

End at: 2017-08-29 07:52:40

Local clock offset: 0.695 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2017-08-29 14:56:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.41 Mbit/s

95th percentile per-packet one-way delay: 42.641 ms

Loss rate: 0.60%

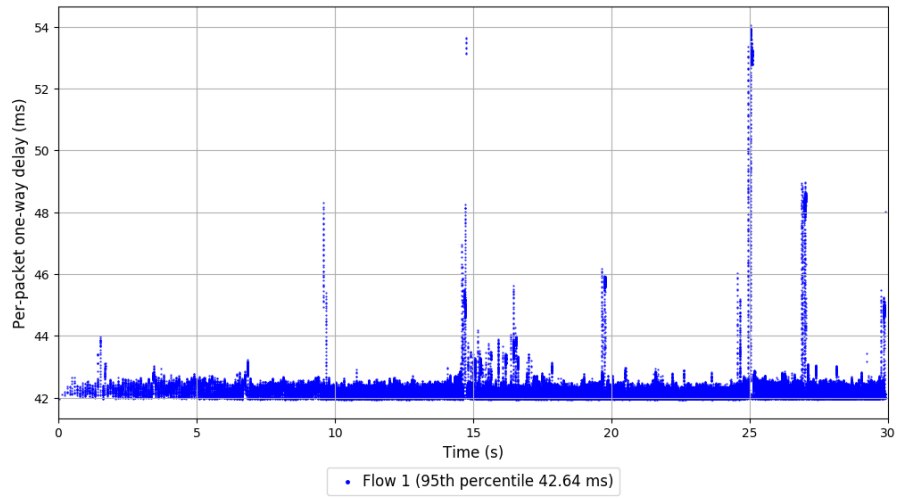
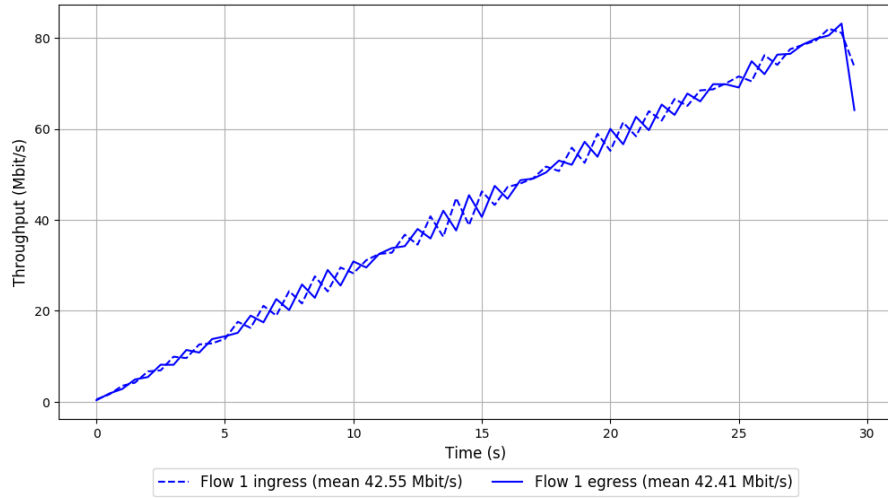
-- Flow 1:

Average throughput: 42.41 Mbit/s

95th percentile per-packet one-way delay: 42.641 ms

Loss rate: 0.60%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2017-08-29 08:12:33

End at: 2017-08-29 08:13:03

Local clock offset: 0.7 ms

Remote clock offset: 0.301 ms

Below is generated by plot.py at 2017-08-29 14:56:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.03 Mbit/s

95th percentile per-packet one-way delay: 43.427 ms

Loss rate: 0.61%

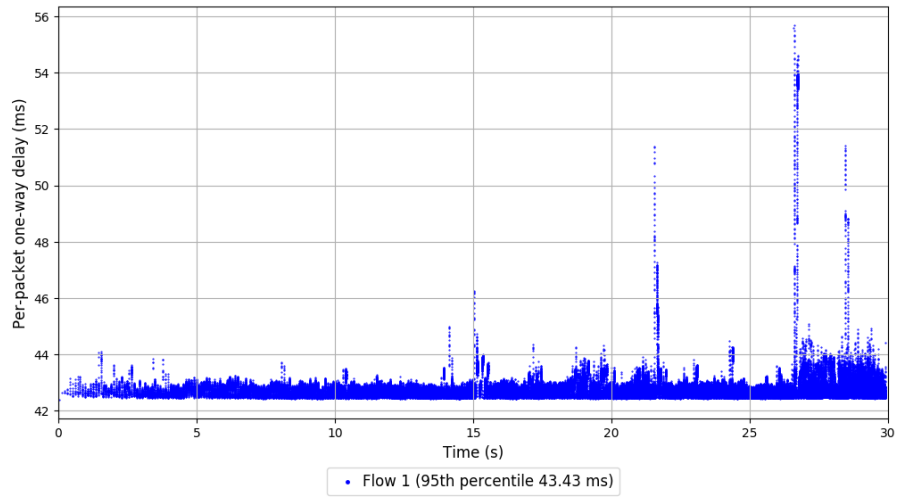
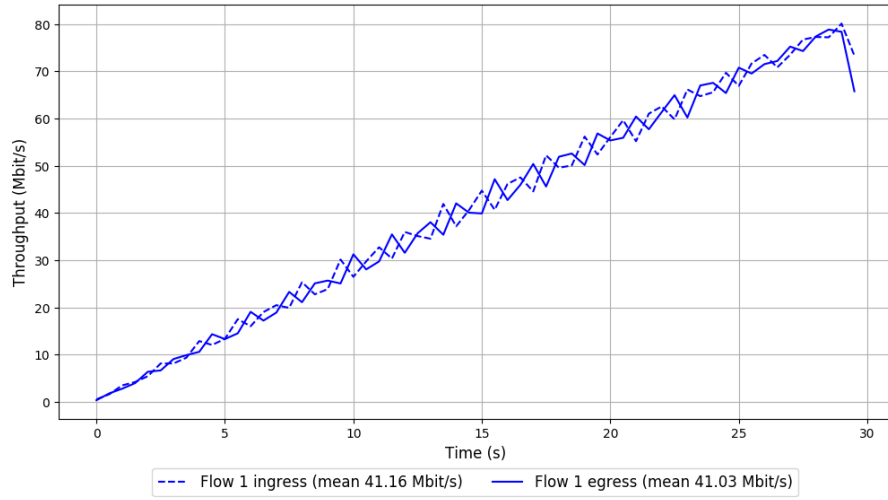
-- Flow 1:

Average throughput: 41.03 Mbit/s

95th percentile per-packet one-way delay: 43.427 ms

Loss rate: 0.61%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2017-08-29 08:32:50

End at: 2017-08-29 08:33:20

Local clock offset: 0.561 ms

Remote clock offset: 0.875 ms

Below is generated by plot.py at 2017-08-29 14:56:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.56 Mbit/s

95th percentile per-packet one-way delay: 42.290 ms

Loss rate: 0.61%

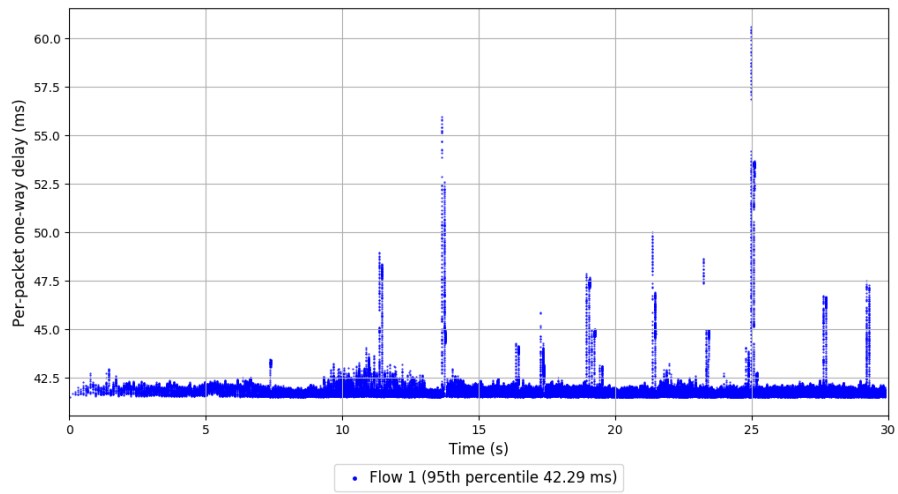
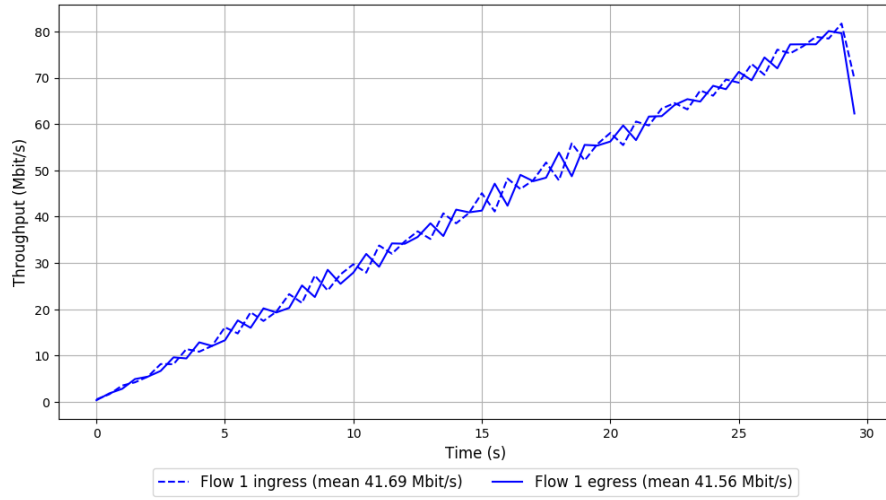
-- Flow 1:

Average throughput: 41.56 Mbit/s

95th percentile per-packet one-way delay: 42.290 ms

Loss rate: 0.61%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-08-29 08:53:10

End at: 2017-08-29 08:53:40

Local clock offset: 0.595 ms

Remote clock offset: 1.641 ms

Below is generated by plot.py at 2017-08-29 14:56:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.01 Mbit/s

95th percentile per-packet one-way delay: 43.921 ms

Loss rate: 0.61%

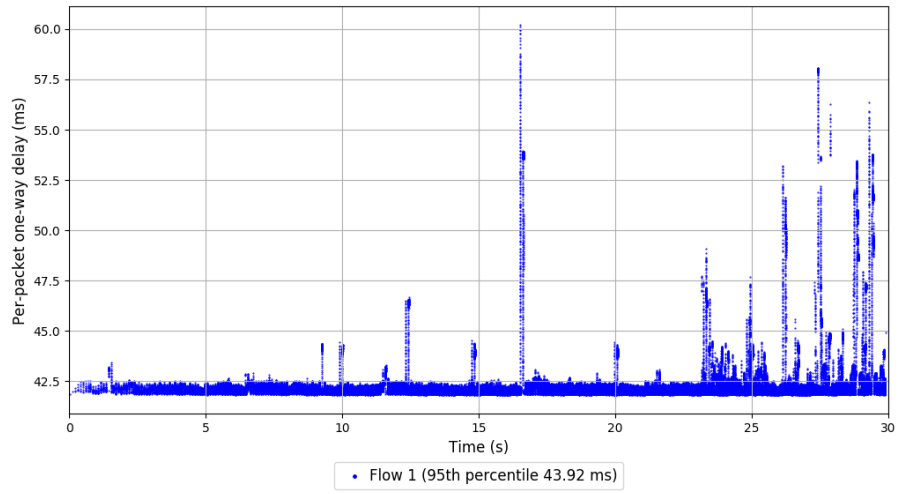
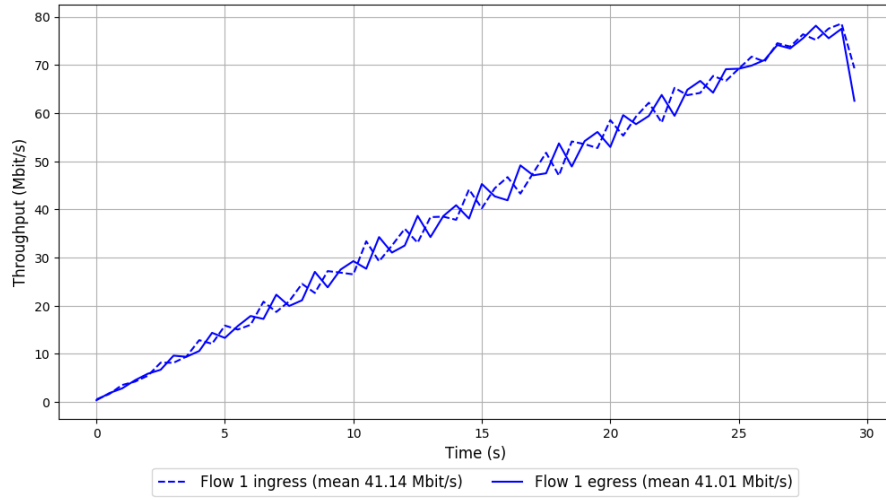
-- Flow 1:

Average throughput: 41.01 Mbit/s

95th percentile per-packet one-way delay: 43.921 ms

Loss rate: 0.61%

Run 4: Report of LEDBAT — Data Link

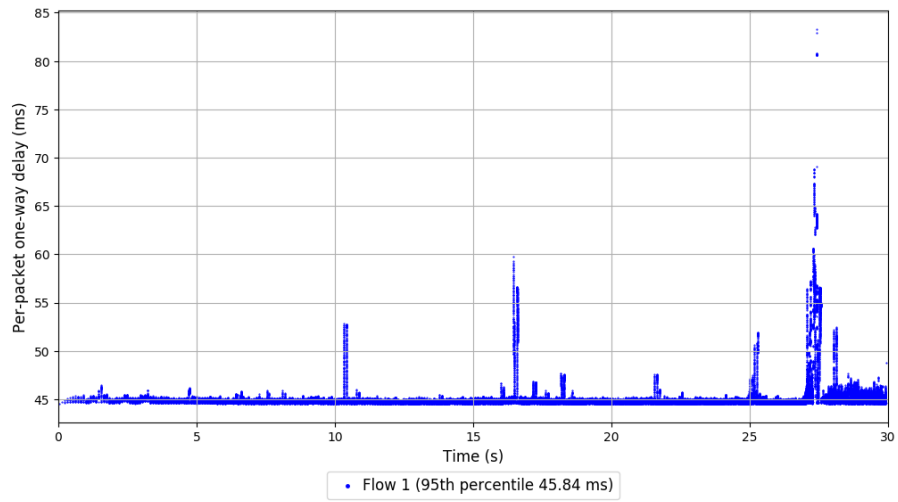
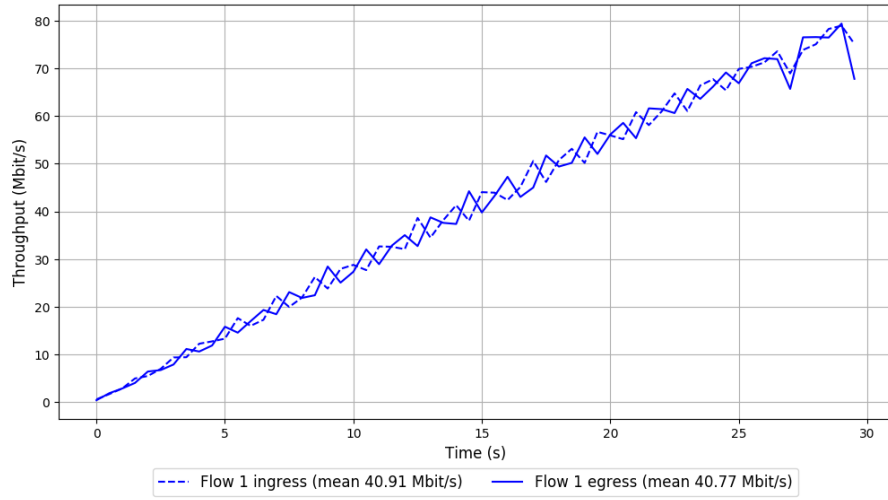


Run 5: Statistics of LEDBAT

Start at: 2017-08-29 09:13:32
End at: 2017-08-29 09:14:02
Local clock offset: 0.703 ms
Remote clock offset: -1.025 ms

Below is generated by plot.py at 2017-08-29 14:56:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.77 Mbit/s
95th percentile per-packet one-way delay: 45.845 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 40.77 Mbit/s
95th percentile per-packet one-way delay: 45.845 ms
Loss rate: 0.61%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-08-29 09:33:55

End at: 2017-08-29 09:34:25

Local clock offset: 0.668 ms

Remote clock offset: -1.248 ms

Below is generated by plot.py at 2017-08-29 14:56:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.25 Mbit/s

95th percentile per-packet one-way delay: 45.161 ms

Loss rate: 0.61%

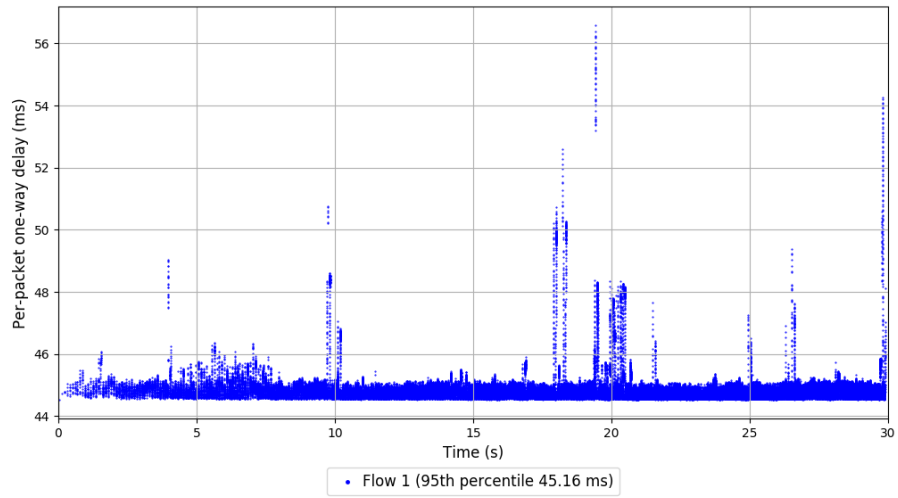
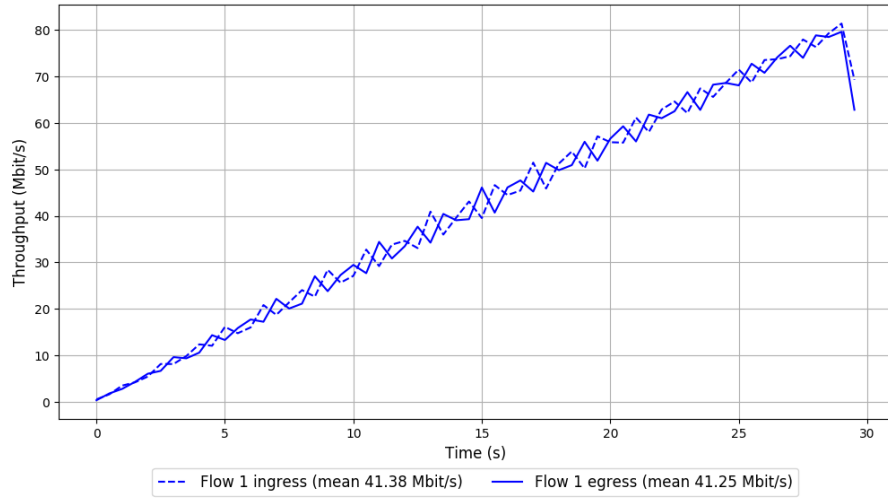
-- Flow 1:

Average throughput: 41.25 Mbit/s

95th percentile per-packet one-way delay: 45.161 ms

Loss rate: 0.61%

Run 6: Report of LEDBAT — Data Link

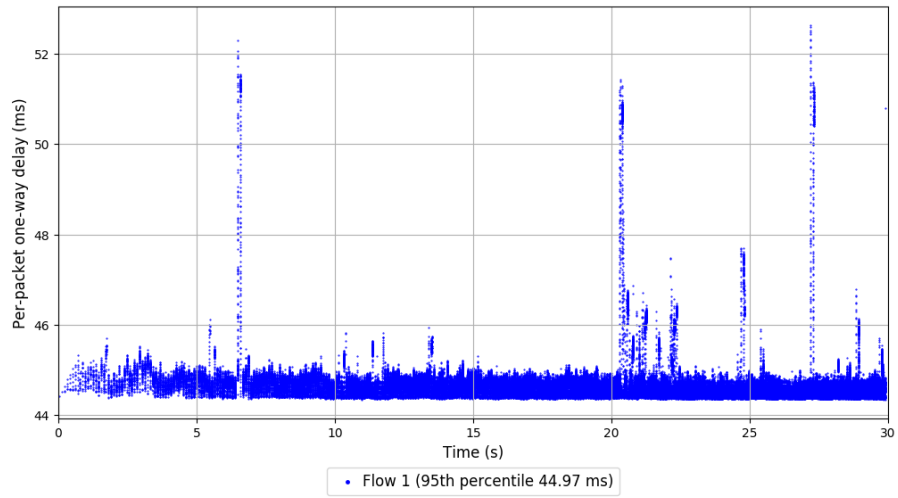
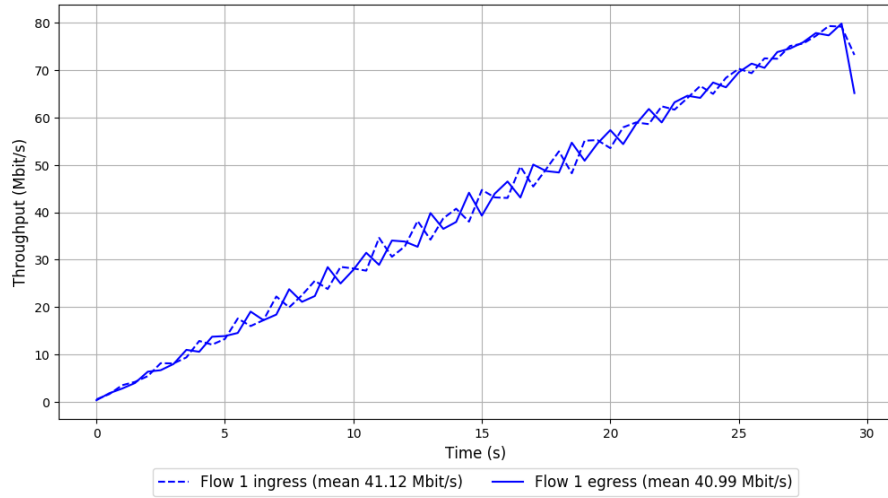


Run 7: Statistics of LEDBAT

Start at: 2017-08-29 09:54:16
End at: 2017-08-29 09:54:46
Local clock offset: 0.516 ms
Remote clock offset: -1.287 ms

Below is generated by plot.py at 2017-08-29 14:56:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.99 Mbit/s
95th percentile per-packet one-way delay: 44.968 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 40.99 Mbit/s
95th percentile per-packet one-way delay: 44.968 ms
Loss rate: 0.61%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2017-08-29 10:14:36

End at: 2017-08-29 10:15:06

Local clock offset: 0.496 ms

Remote clock offset: 0.514 ms

Below is generated by plot.py at 2017-08-29 14:56:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.75 Mbit/s

95th percentile per-packet one-way delay: 42.959 ms

Loss rate: 0.58%

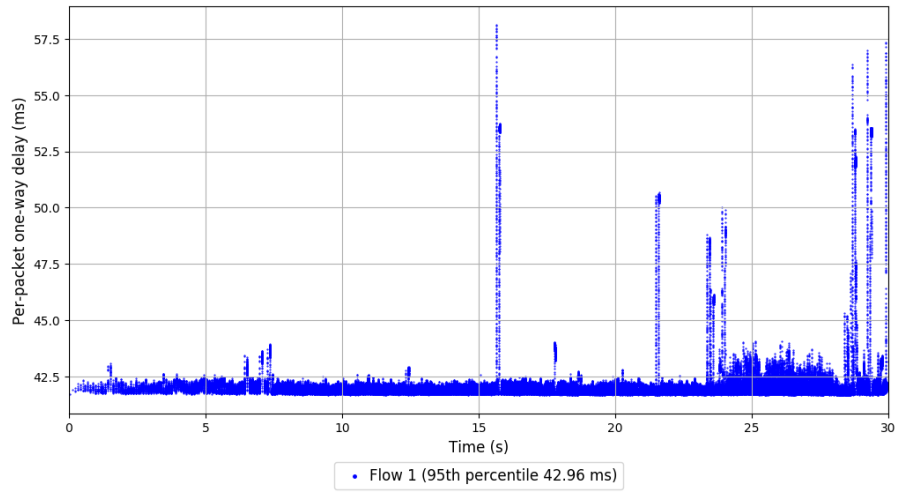
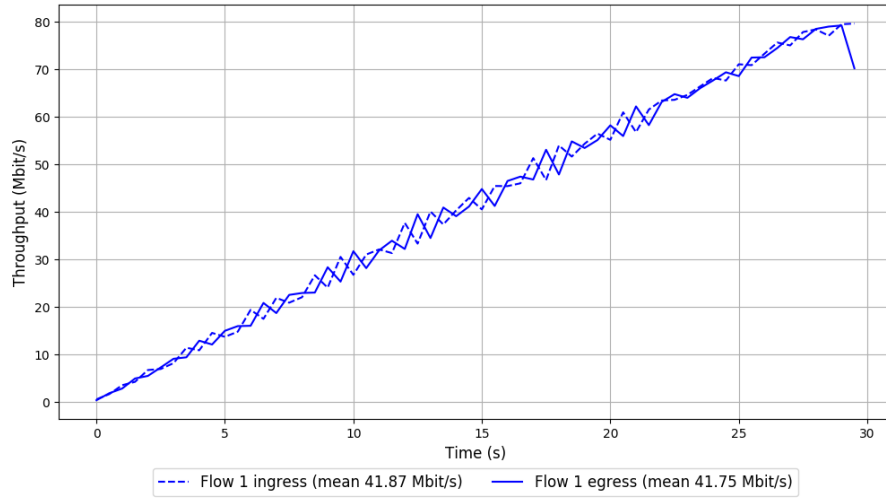
-- Flow 1:

Average throughput: 41.75 Mbit/s

95th percentile per-packet one-way delay: 42.959 ms

Loss rate: 0.58%

Run 8: Report of LEDBAT — Data Link

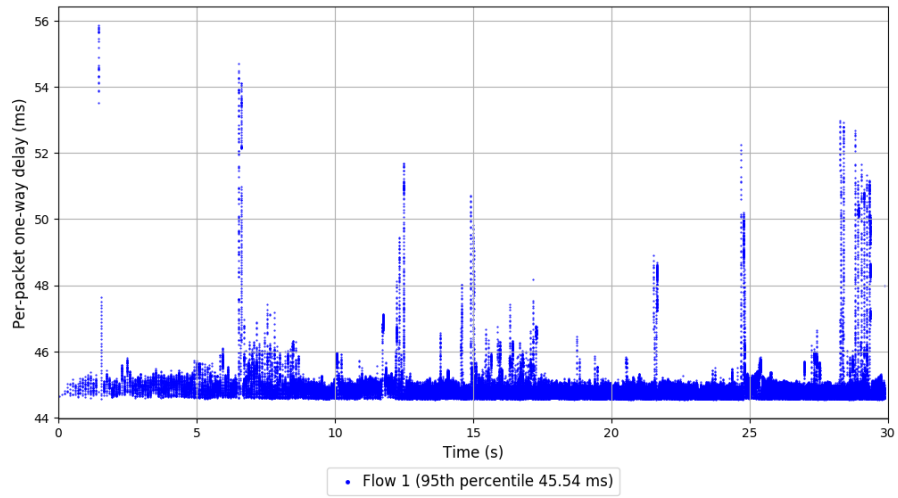
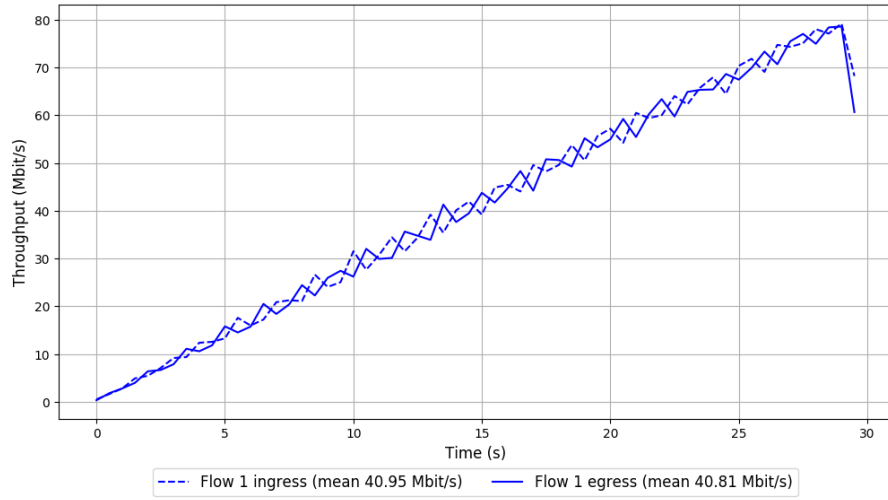


Run 9: Statistics of LEDBAT

Start at: 2017-08-29 10:34:55
End at: 2017-08-29 10:35:25
Local clock offset: 0.531 ms
Remote clock offset: -2.043 ms

Below is generated by plot.py at 2017-08-29 14:56:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 45.537 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 45.537 ms
Loss rate: 0.61%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2017-08-29 10:55:16

End at: 2017-08-29 10:55:47

Local clock offset: 0.434 ms

Remote clock offset: -0.398 ms

Below is generated by plot.py at 2017-08-29 14:56:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.14 Mbit/s

95th percentile per-packet one-way delay: 43.165 ms

Loss rate: 0.61%

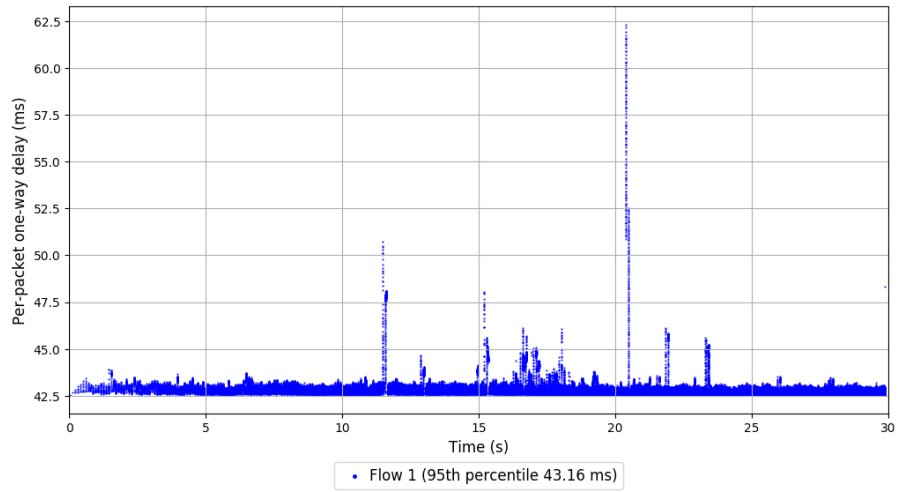
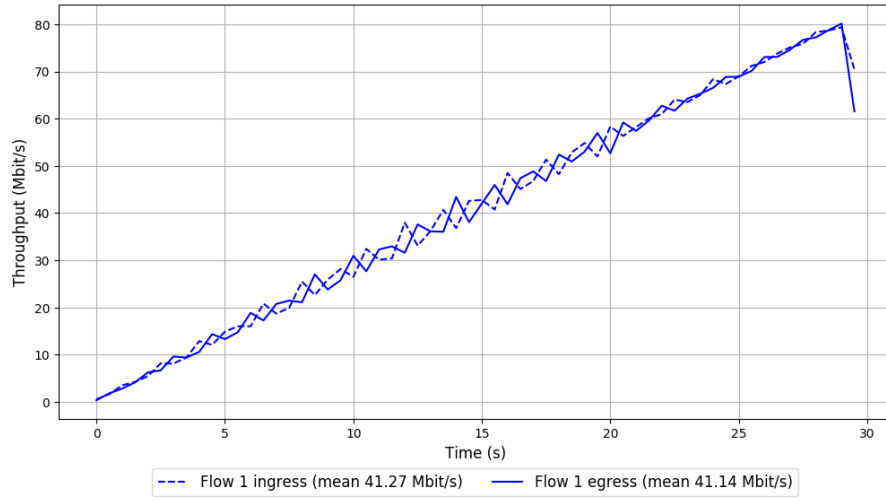
-- Flow 1:

Average throughput: 41.14 Mbit/s

95th percentile per-packet one-way delay: 43.165 ms

Loss rate: 0.61%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2017-08-29 07:50:49

End at: 2017-08-29 07:51:19

Local clock offset: 0.771 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2017-08-29 14:56:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.35 Mbit/s

95th percentile per-packet one-way delay: 49.645 ms

Loss rate: 0.33%

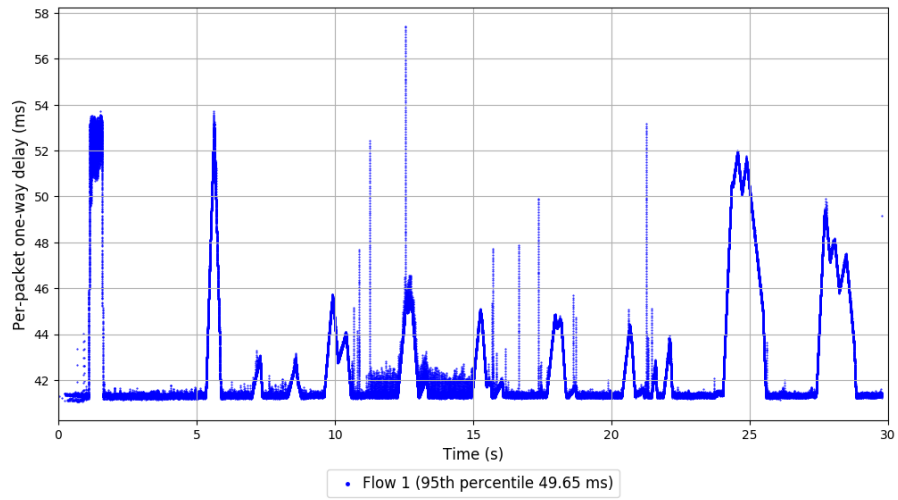
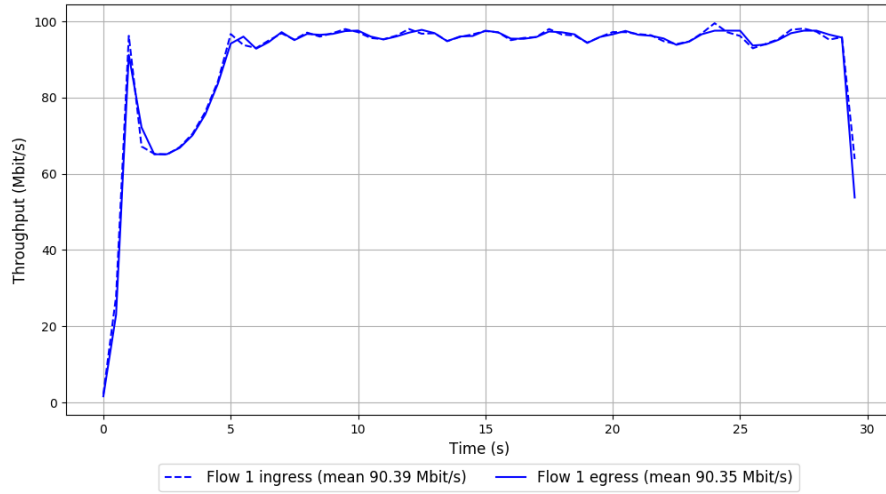
-- Flow 1:

Average throughput: 90.35 Mbit/s

95th percentile per-packet one-way delay: 49.645 ms

Loss rate: 0.33%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-08-29 08:11:12

End at: 2017-08-29 08:11:42

Local clock offset: 0.611 ms

Remote clock offset: -1.82 ms

Below is generated by plot.py at 2017-08-29 14:56:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.15 Mbit/s

95th percentile per-packet one-way delay: 50.547 ms

Loss rate: 0.33%

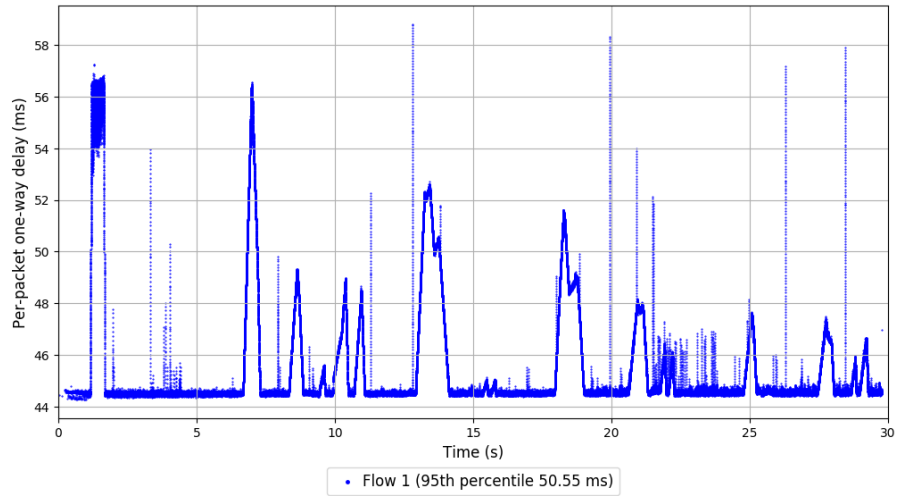
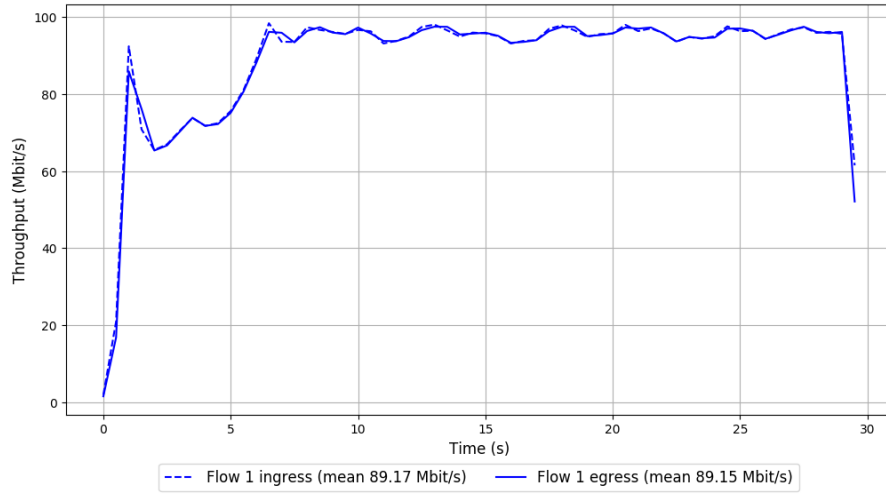
-- Flow 1:

Average throughput: 89.15 Mbit/s

95th percentile per-packet one-way delay: 50.547 ms

Loss rate: 0.33%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-08-29 08:31:30

End at: 2017-08-29 08:32:00

Local clock offset: 0.57 ms

Remote clock offset: 0.755 ms

Below is generated by plot.py at 2017-08-29 14:56:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.94 Mbit/s

95th percentile per-packet one-way delay: 51.243 ms

Loss rate: 0.34%

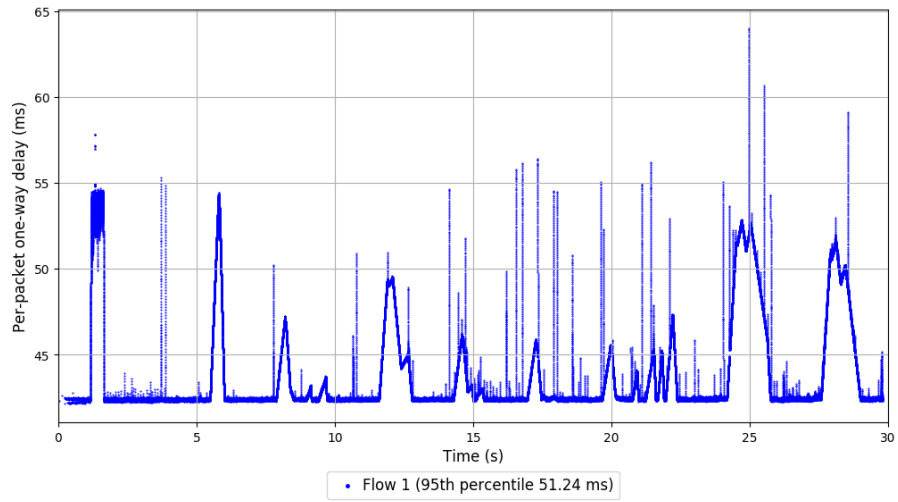
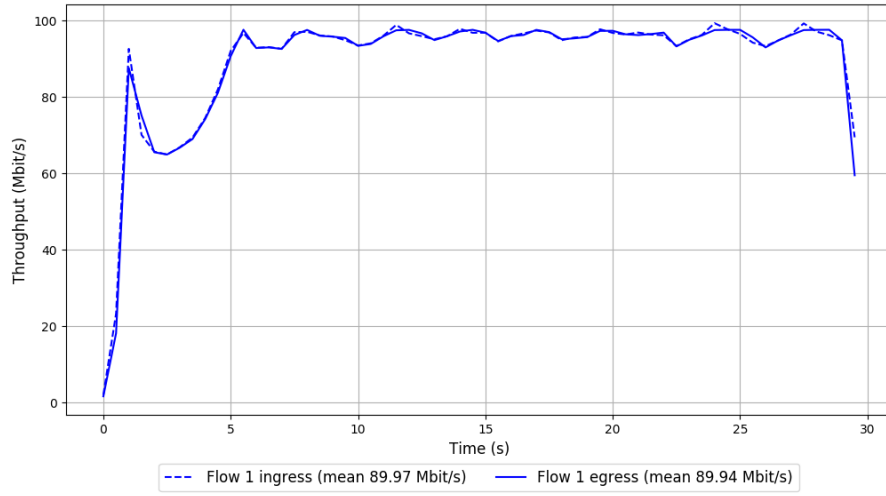
-- Flow 1:

Average throughput: 89.94 Mbit/s

95th percentile per-packet one-way delay: 51.243 ms

Loss rate: 0.34%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-08-29 08:51:49

End at: 2017-08-29 08:52:19

Local clock offset: 0.701 ms

Remote clock offset: 1.049 ms

Below is generated by plot.py at 2017-08-29 14:56:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.19 Mbit/s

95th percentile per-packet one-way delay: 48.793 ms

Loss rate: 0.34%

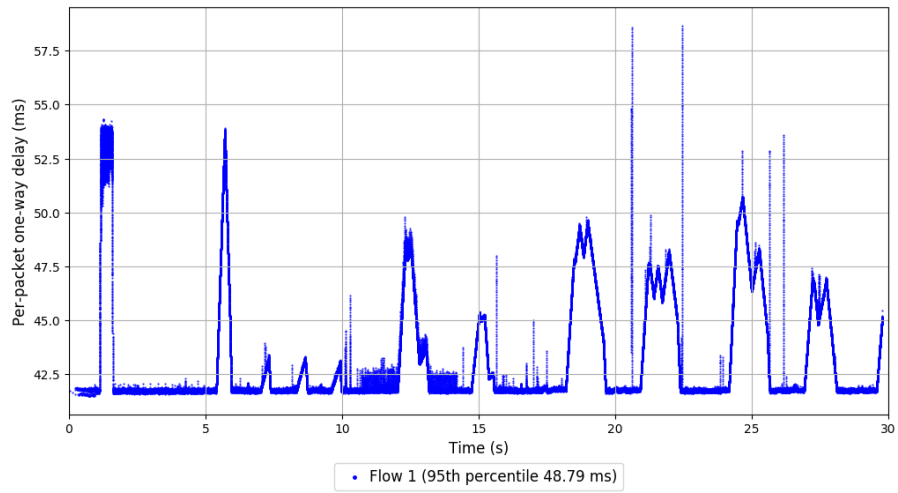
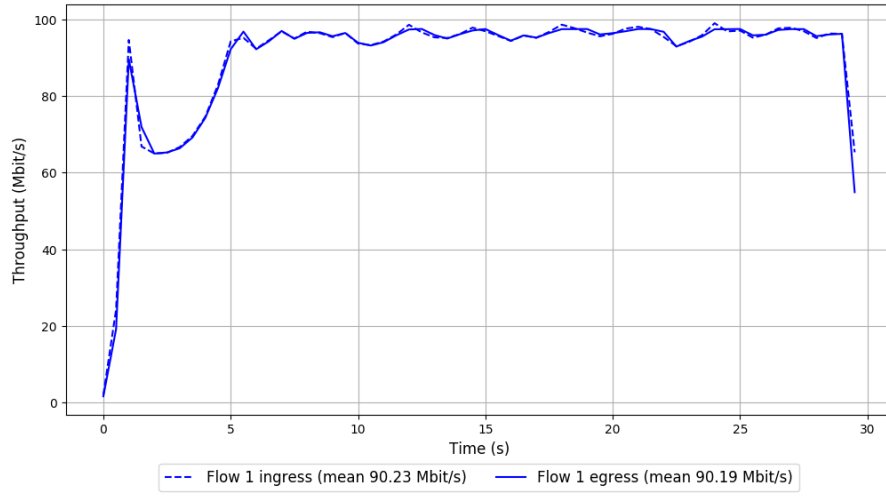
-- Flow 1:

Average throughput: 90.19 Mbit/s

95th percentile per-packet one-way delay: 48.793 ms

Loss rate: 0.34%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-08-29 09:12:11

End at: 2017-08-29 09:12:41

Local clock offset: 0.615 ms

Remote clock offset: 1.099 ms

Below is generated by plot.py at 2017-08-29 14:57:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.63 Mbit/s

95th percentile per-packet one-way delay: 50.180 ms

Loss rate: 0.34%

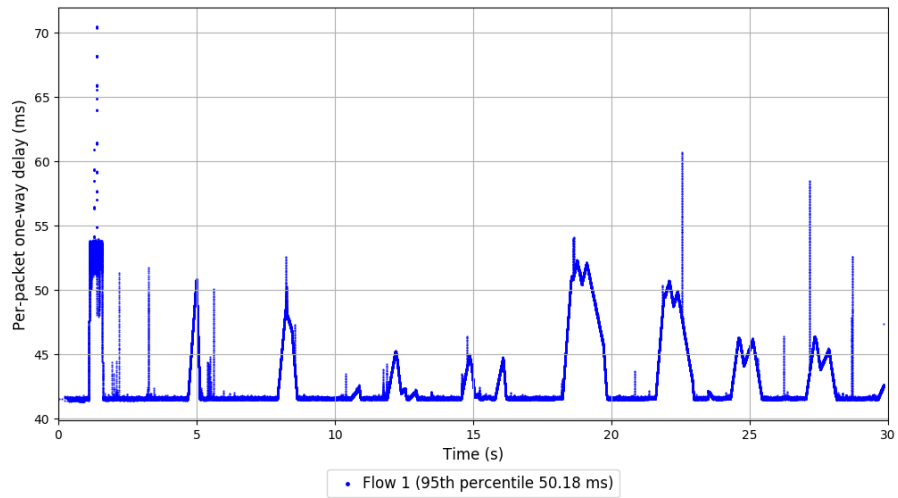
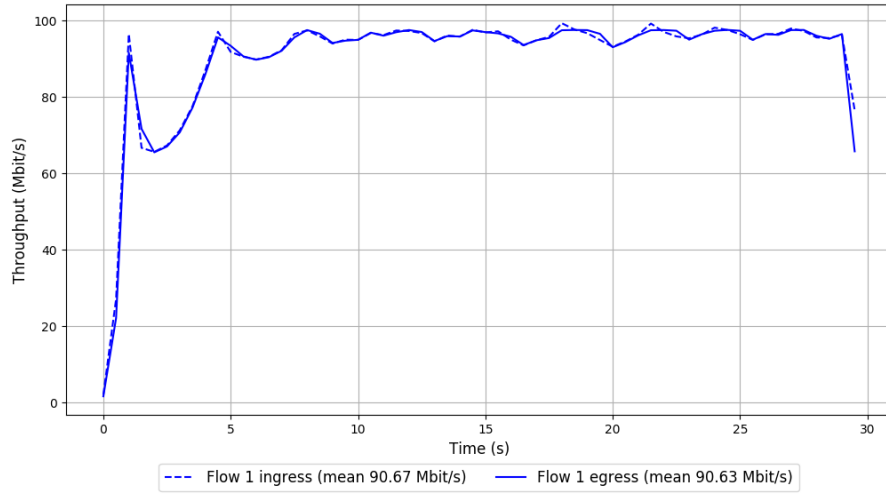
-- Flow 1:

Average throughput: 90.63 Mbit/s

95th percentile per-packet one-way delay: 50.180 ms

Loss rate: 0.34%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-08-29 09:32:34

End at: 2017-08-29 09:33:04

Local clock offset: 0.659 ms

Remote clock offset: -1.26 ms

Below is generated by plot.py at 2017-08-29 14:57:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.42 Mbit/s

95th percentile per-packet one-way delay: 53.180 ms

Loss rate: 0.35%

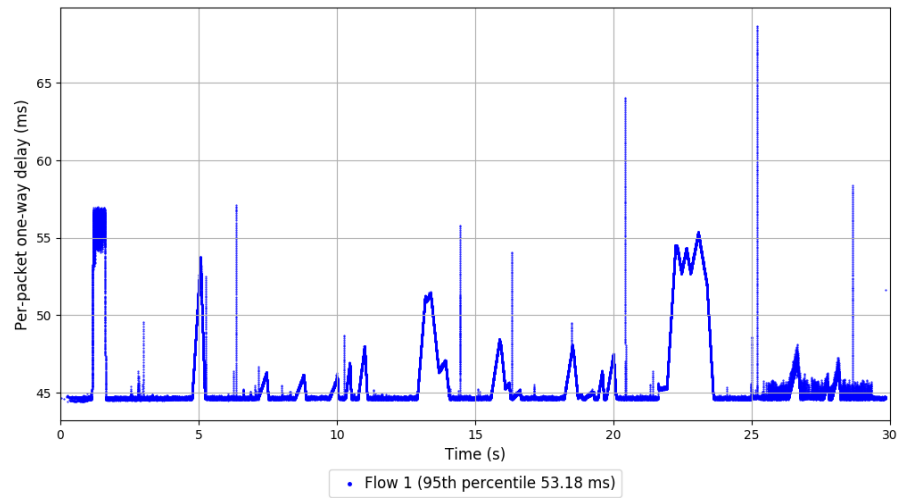
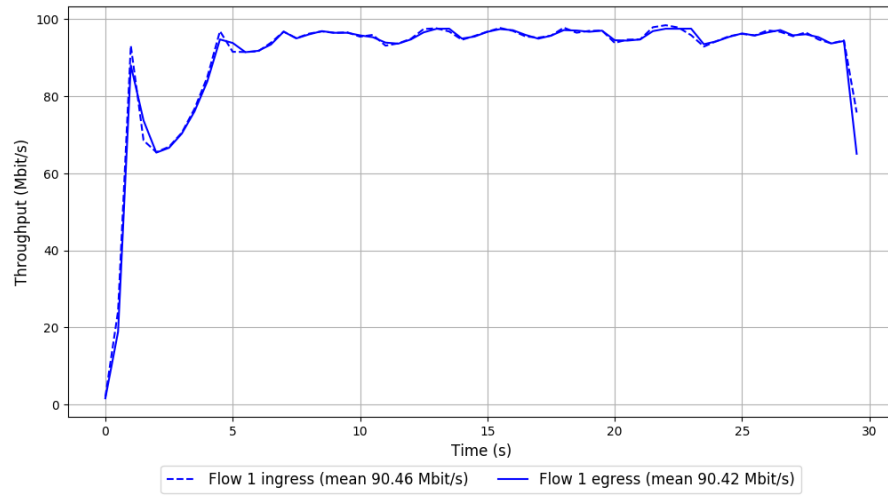
-- Flow 1:

Average throughput: 90.42 Mbit/s

95th percentile per-packet one-way delay: 53.180 ms

Loss rate: 0.35%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-08-29 09:52:54

End at: 2017-08-29 09:53:24

Local clock offset: 0.618 ms

Remote clock offset: 0.795 ms

Below is generated by plot.py at 2017-08-29 14:57:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.07 Mbit/s

95th percentile per-packet one-way delay: 50.000 ms

Loss rate: 0.35%

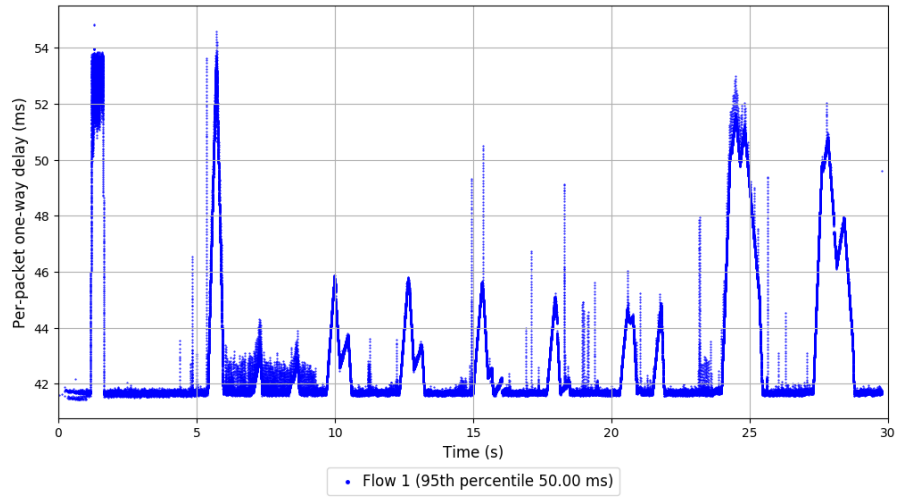
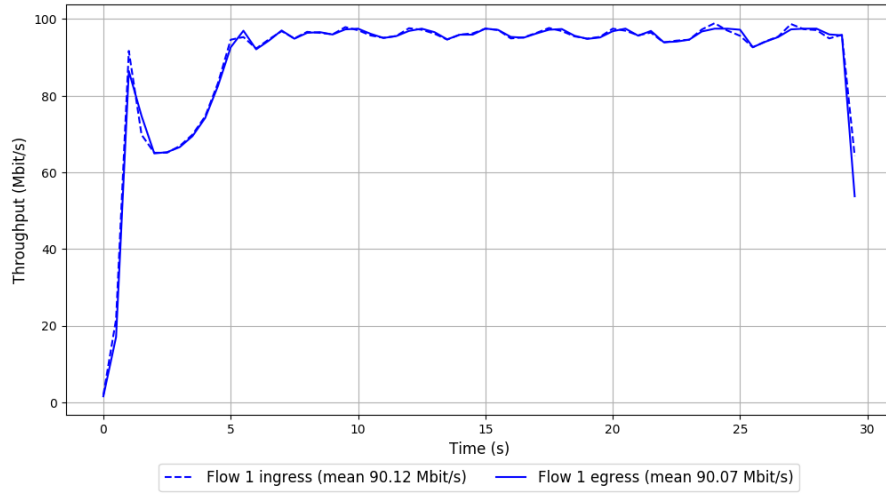
-- Flow 1:

Average throughput: 90.07 Mbit/s

95th percentile per-packet one-way delay: 50.000 ms

Loss rate: 0.35%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2017-08-29 10:13:16

End at: 2017-08-29 10:13:46

Local clock offset: 0.498 ms

Remote clock offset: 1.004 ms

Below is generated by plot.py at 2017-08-29 14:57:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.01 Mbit/s

95th percentile per-packet one-way delay: 53.063 ms

Loss rate: 0.35%

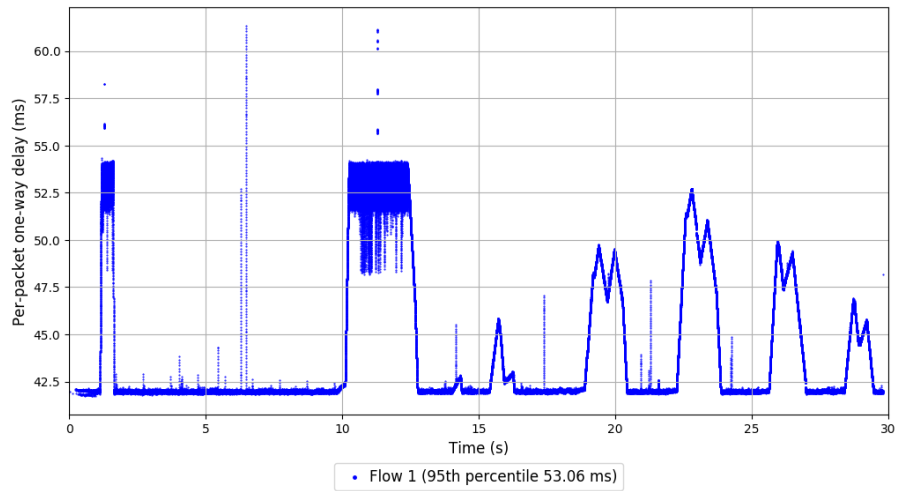
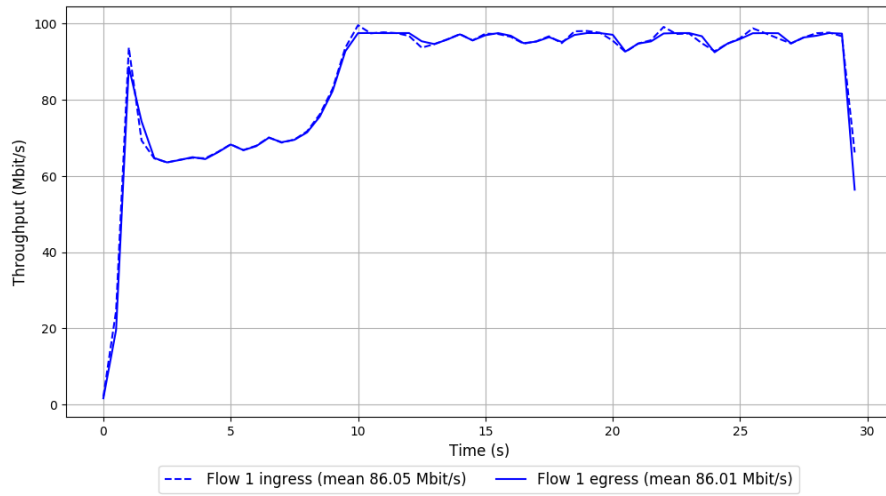
-- Flow 1:

Average throughput: 86.01 Mbit/s

95th percentile per-packet one-way delay: 53.063 ms

Loss rate: 0.35%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-08-29 10:33:34

End at: 2017-08-29 10:34:04

Local clock offset: 0.513 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2017-08-29 14:57:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.96 Mbit/s

95th percentile per-packet one-way delay: 53.295 ms

Loss rate: 0.34%

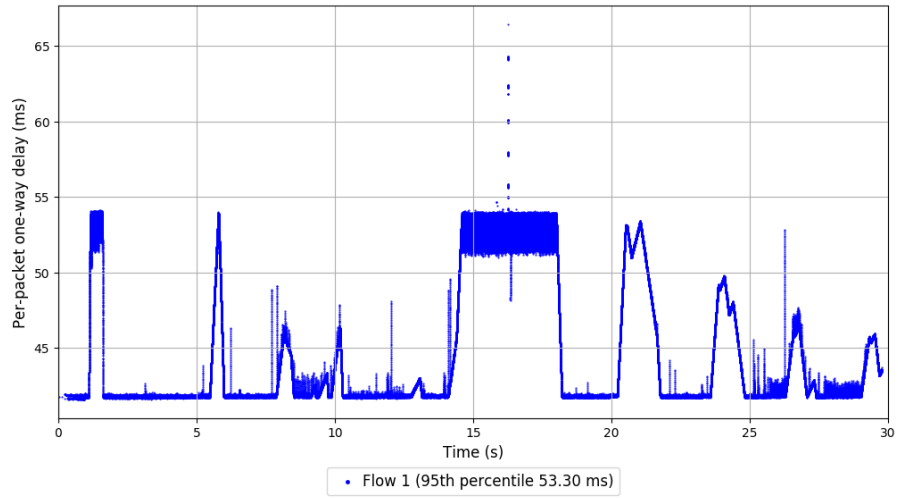
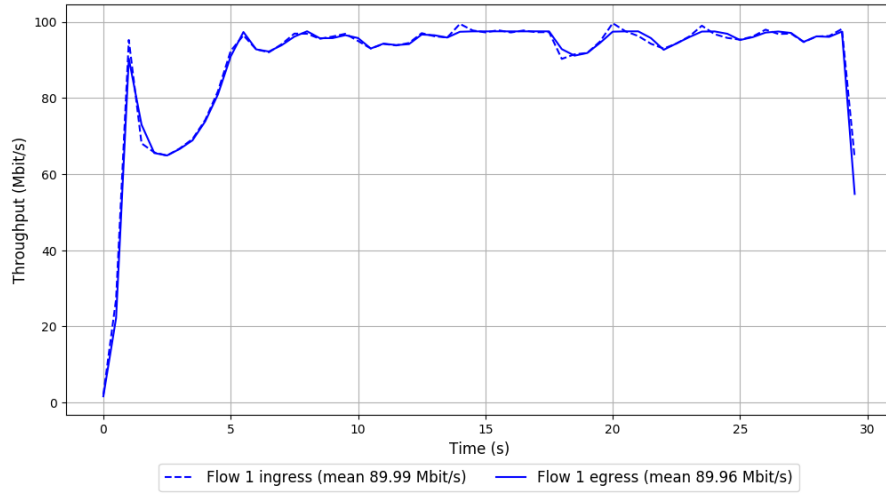
-- Flow 1:

Average throughput: 89.96 Mbit/s

95th percentile per-packet one-way delay: 53.295 ms

Loss rate: 0.34%

Run 9: Report of PCC — Data Link

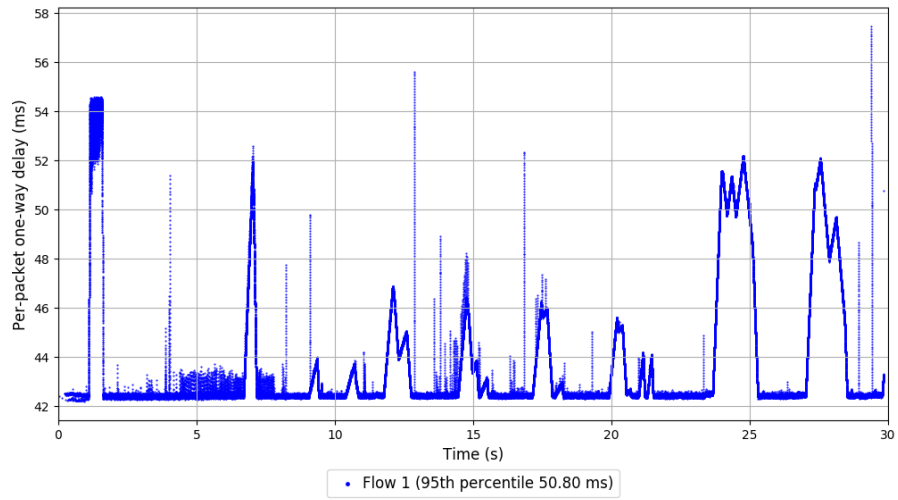
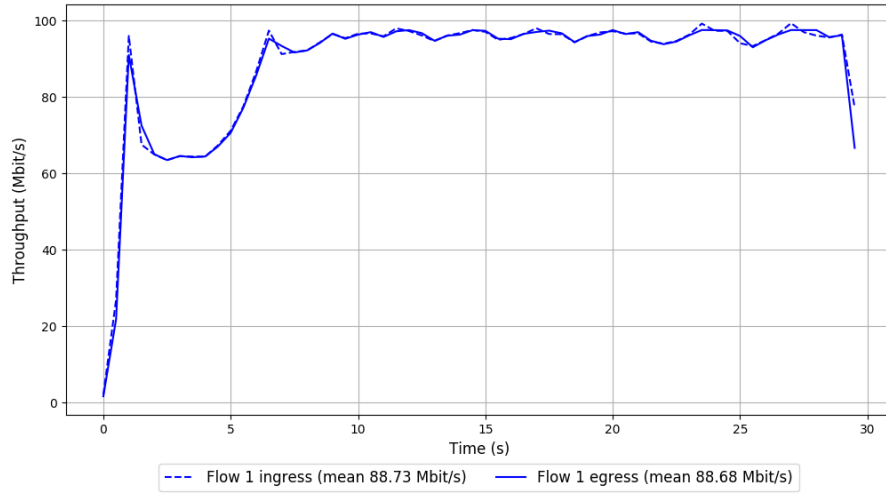


Run 10: Statistics of PCC

Start at: 2017-08-29 10:53:55
End at: 2017-08-29 10:54:25
Local clock offset: 0.422 ms
Remote clock offset: -0.346 ms

Below is generated by plot.py at 2017-08-29 14:57:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.68 Mbit/s
95th percentile per-packet one-way delay: 50.805 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 88.68 Mbit/s
95th percentile per-packet one-way delay: 50.805 ms
Loss rate: 0.35%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-08-29 07:37:07

End at: 2017-08-29 07:37:37

Local clock offset: 0.768 ms

Remote clock offset: -0.705 ms

Below is generated by plot.py at 2017-08-29 14:57:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.60 Mbit/s

95th percentile per-packet one-way delay: 52.602 ms

Loss rate: 0.44%

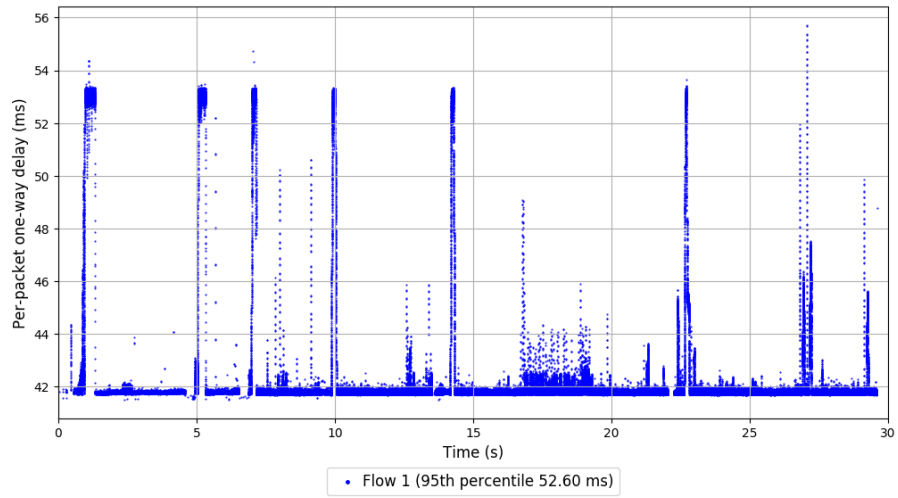
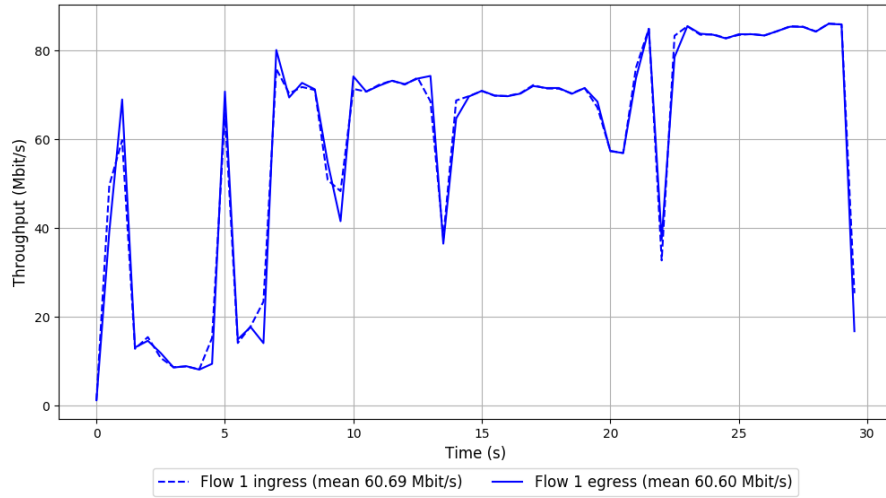
-- Flow 1:

Average throughput: 60.60 Mbit/s

95th percentile per-packet one-way delay: 52.602 ms

Loss rate: 0.44%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-08-29 07:57:29

End at: 2017-08-29 07:57:59

Local clock offset: 0.66 ms

Remote clock offset: -2.227 ms

Below is generated by plot.py at 2017-08-29 14:57:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.05 Mbit/s

95th percentile per-packet one-way delay: 55.118 ms

Loss rate: 0.41%

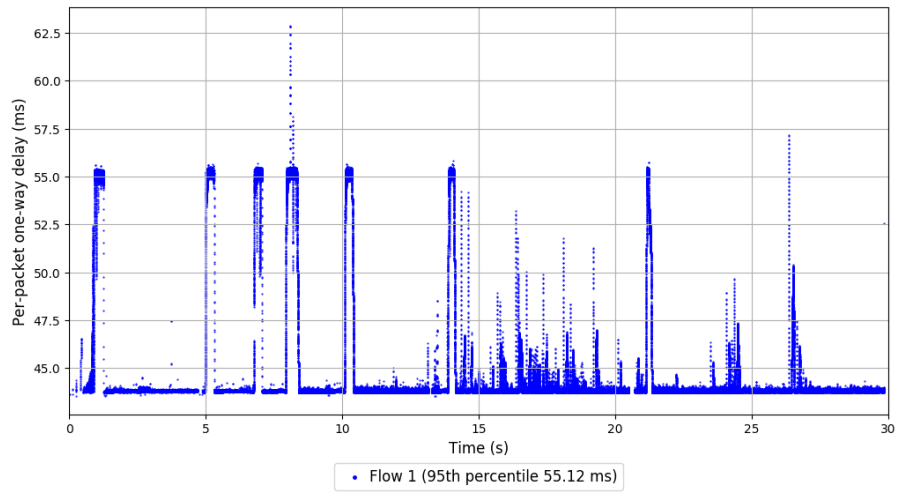
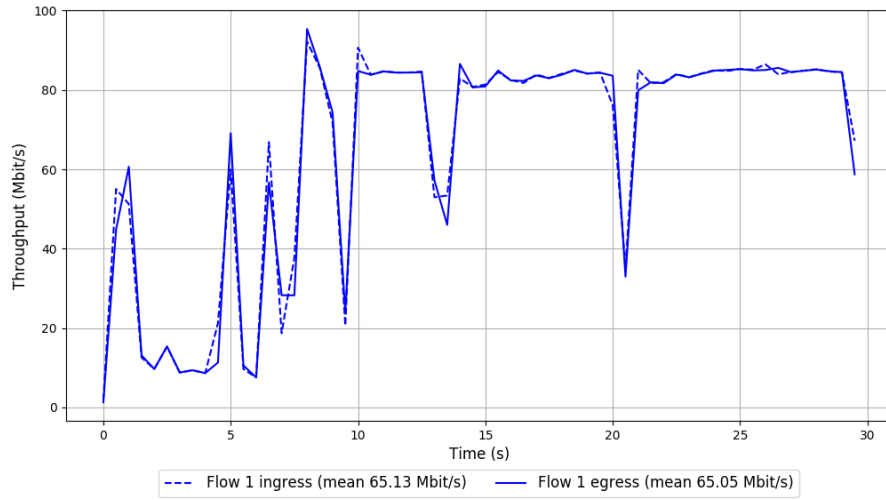
-- Flow 1:

Average throughput: 65.05 Mbit/s

95th percentile per-packet one-way delay: 55.118 ms

Loss rate: 0.41%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-08-29 08:17:50

End at: 2017-08-29 08:18:20

Local clock offset: 0.61 ms

Remote clock offset: 0.449 ms

Below is generated by plot.py at 2017-08-29 14:57:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.95 Mbit/s

95th percentile per-packet one-way delay: 53.729 ms

Loss rate: 0.40%

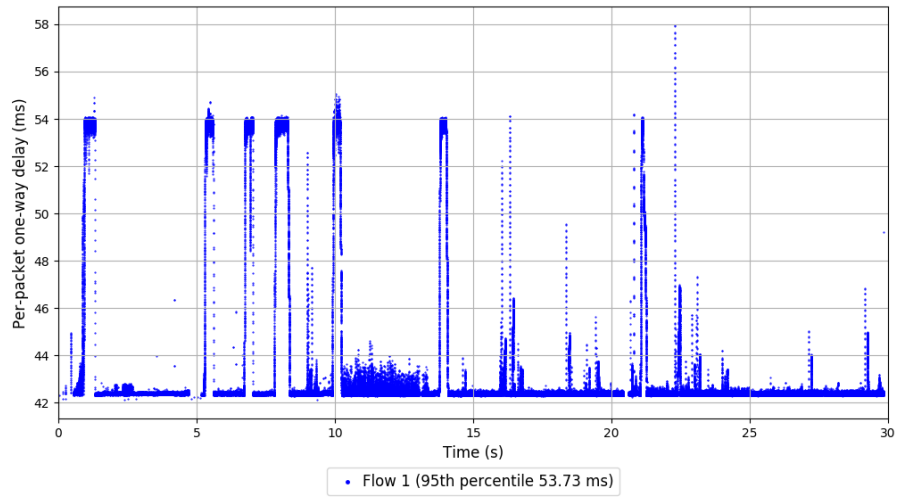
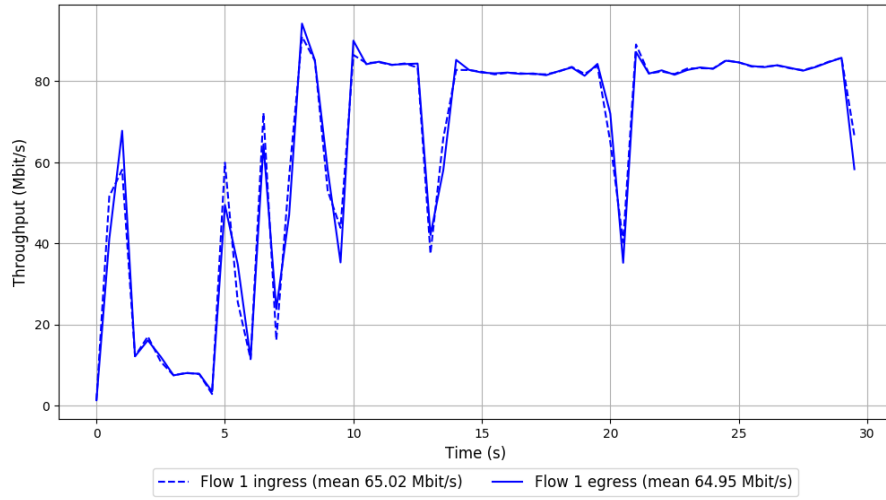
-- Flow 1:

Average throughput: 64.95 Mbit/s

95th percentile per-packet one-way delay: 53.729 ms

Loss rate: 0.40%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2017-08-29 08:38:08

End at: 2017-08-29 08:38:38

Local clock offset: 0.652 ms

Remote clock offset: 0.974 ms

Below is generated by plot.py at 2017-08-29 14:57:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.09 Mbit/s

95th percentile per-packet one-way delay: 43.254 ms

Loss rate: 0.34%

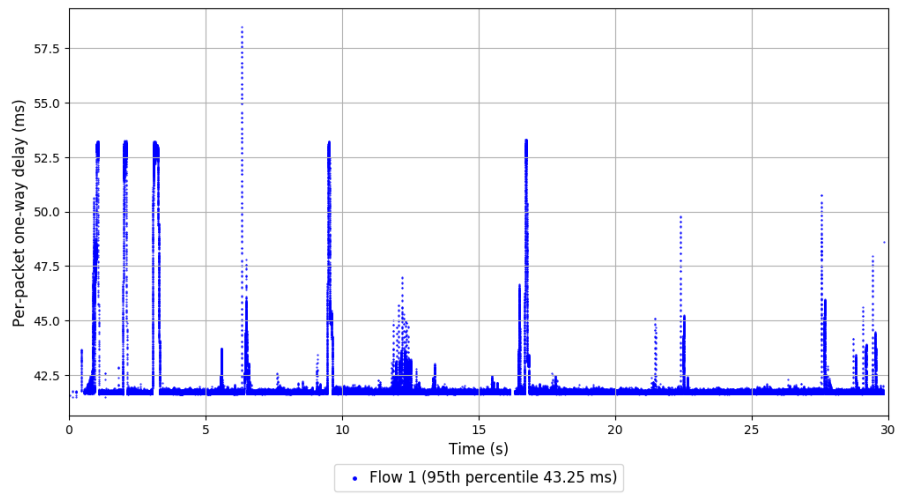
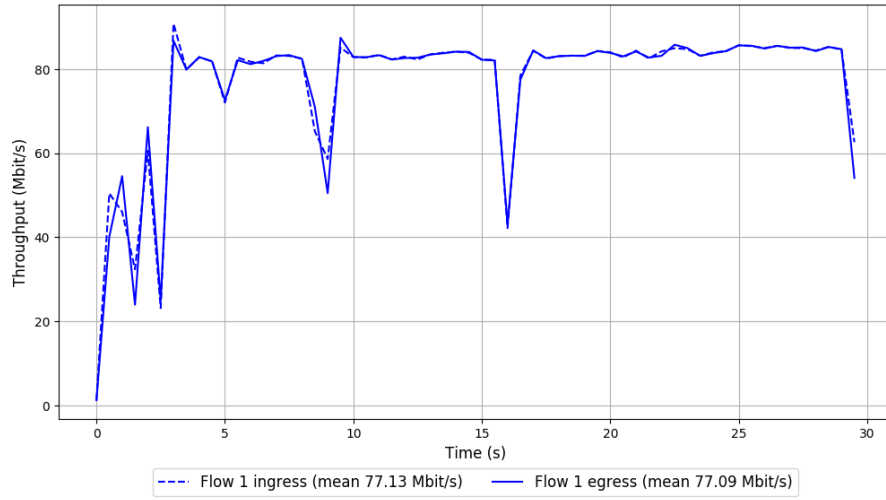
-- Flow 1:

Average throughput: 77.09 Mbit/s

95th percentile per-packet one-way delay: 43.254 ms

Loss rate: 0.34%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-08-29 08:58:28

End at: 2017-08-29 08:58:58

Local clock offset: 0.618 ms

Remote clock offset: 1.266 ms

Below is generated by plot.py at 2017-08-29 14:57:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.23 Mbit/s

95th percentile per-packet one-way delay: 53.115 ms

Loss rate: 0.35%

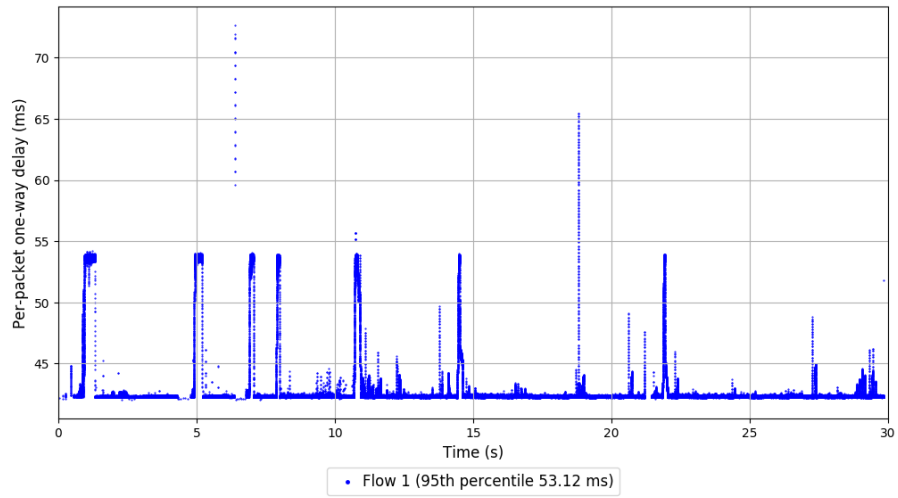
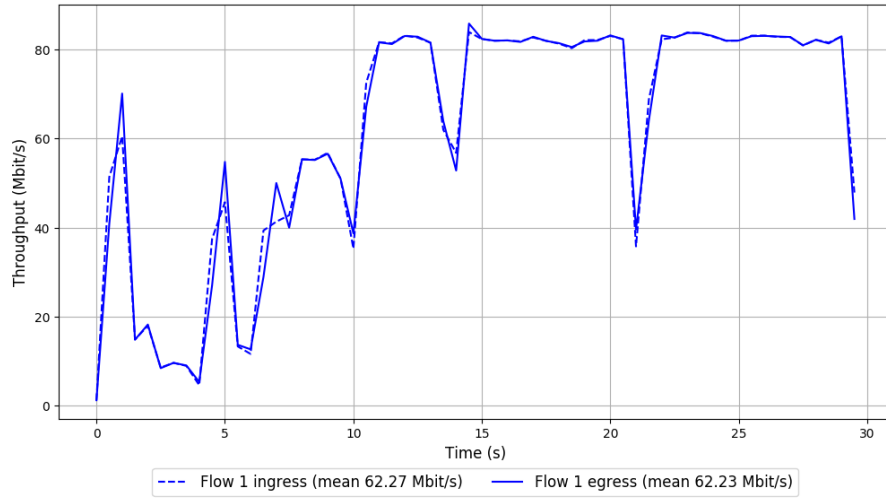
-- Flow 1:

Average throughput: 62.23 Mbit/s

95th percentile per-packet one-way delay: 53.115 ms

Loss rate: 0.35%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2017-08-29 09:18:50

End at: 2017-08-29 09:19:20

Local clock offset: 0.604 ms

Remote clock offset: 0.987 ms

Below is generated by plot.py at 2017-08-29 14:58:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.44 Mbit/s

95th percentile per-packet one-way delay: 47.051 ms

Loss rate: 0.00%

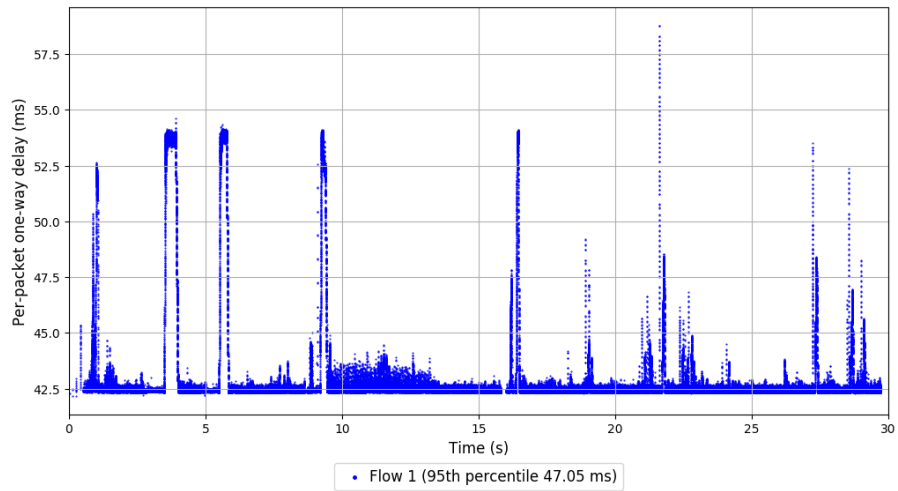
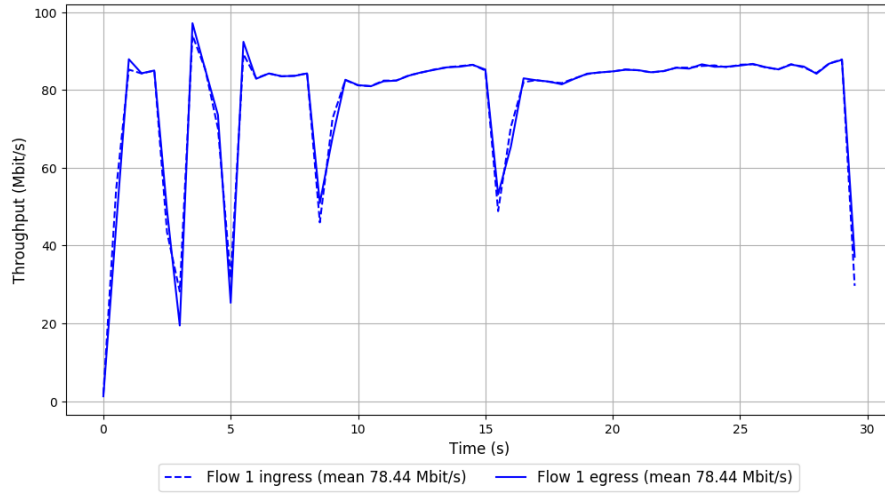
-- Flow 1:

Average throughput: 78.44 Mbit/s

95th percentile per-packet one-way delay: 47.051 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-08-29 09:39:14

End at: 2017-08-29 09:39:44

Local clock offset: 0.529 ms

Remote clock offset: -1.282 ms

Below is generated by plot.py at 2017-08-29 14:58:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.50 Mbit/s

95th percentile per-packet one-way delay: 55.098 ms

Loss rate: 0.39%

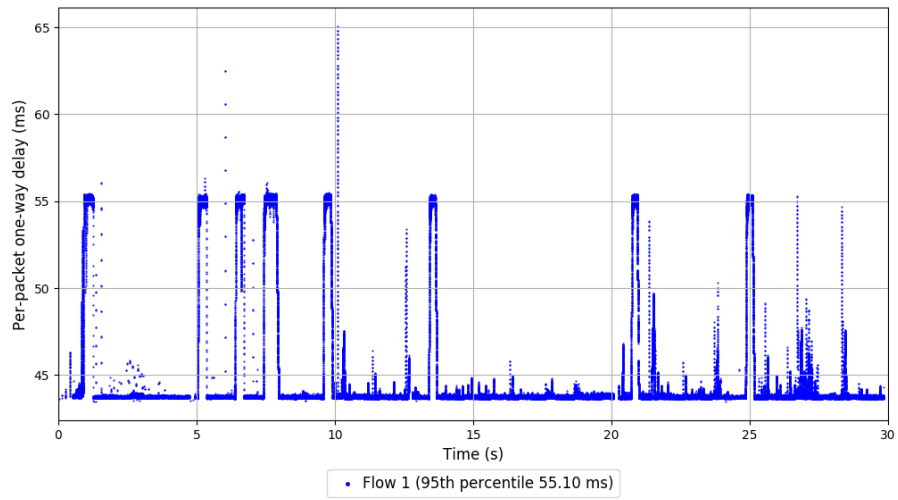
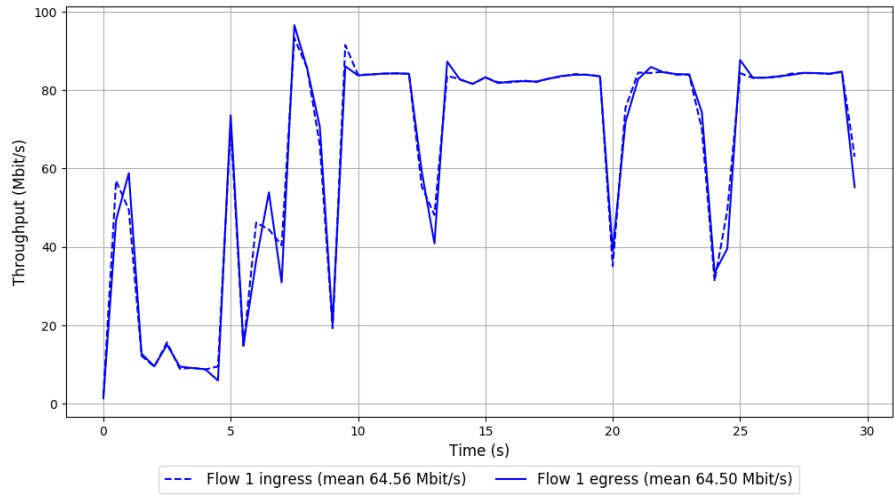
-- Flow 1:

Average throughput: 64.50 Mbit/s

95th percentile per-packet one-way delay: 55.098 ms

Loss rate: 0.39%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-08-29 09:59:33

End at: 2017-08-29 10:00:03

Local clock offset: 0.588 ms

Remote clock offset: 1.304 ms

Below is generated by plot.py at 2017-08-29 14:58:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.96 Mbit/s

95th percentile per-packet one-way delay: 51.950 ms

Loss rate: 0.41%

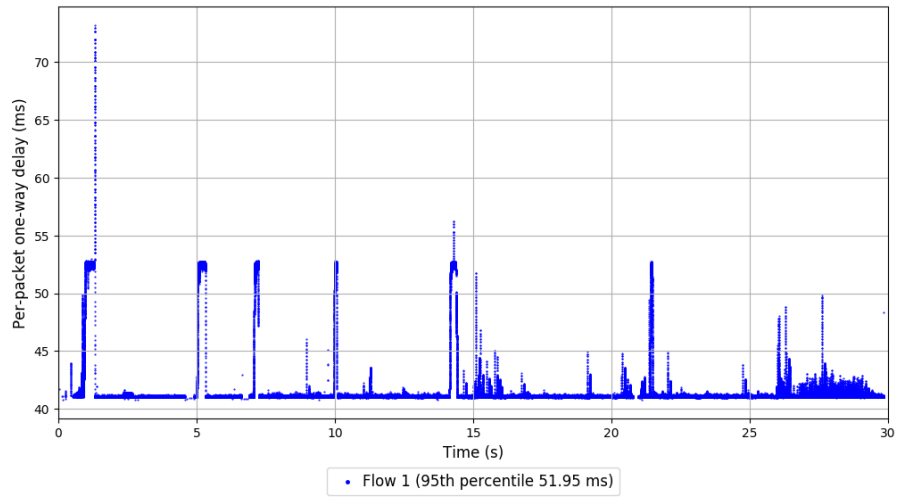
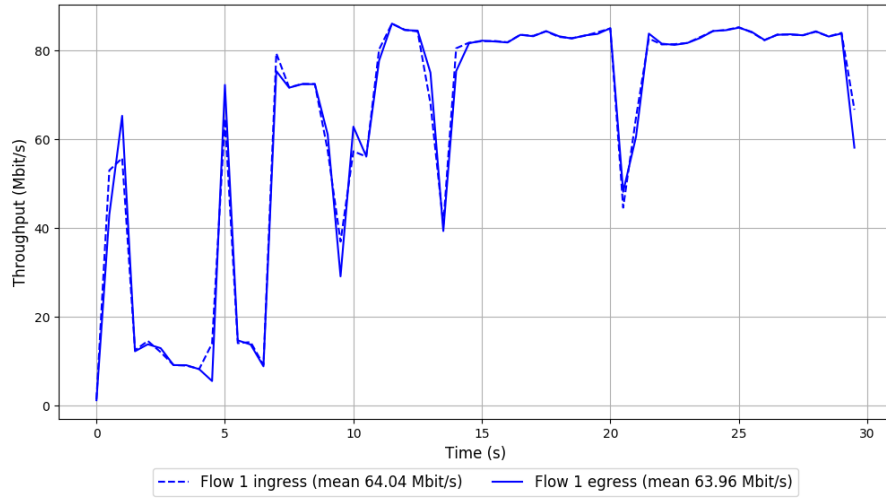
-- Flow 1:

Average throughput: 63.96 Mbit/s

95th percentile per-packet one-way delay: 51.950 ms

Loss rate: 0.41%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-08-29 10:19:54

End at: 2017-08-29 10:20:24

Local clock offset: 0.56 ms

Remote clock offset: -1.628 ms

Below is generated by plot.py at 2017-08-29 14:58:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.35 Mbit/s

95th percentile per-packet one-way delay: 53.816 ms

Loss rate: 0.41%

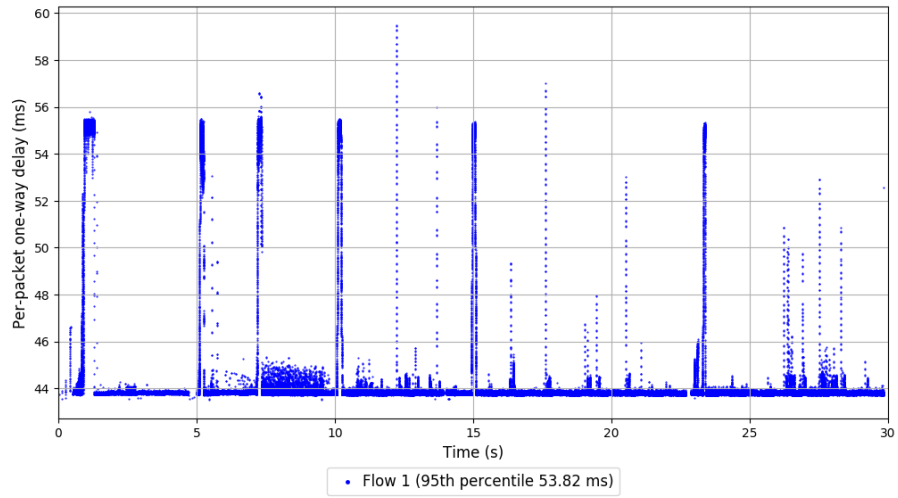
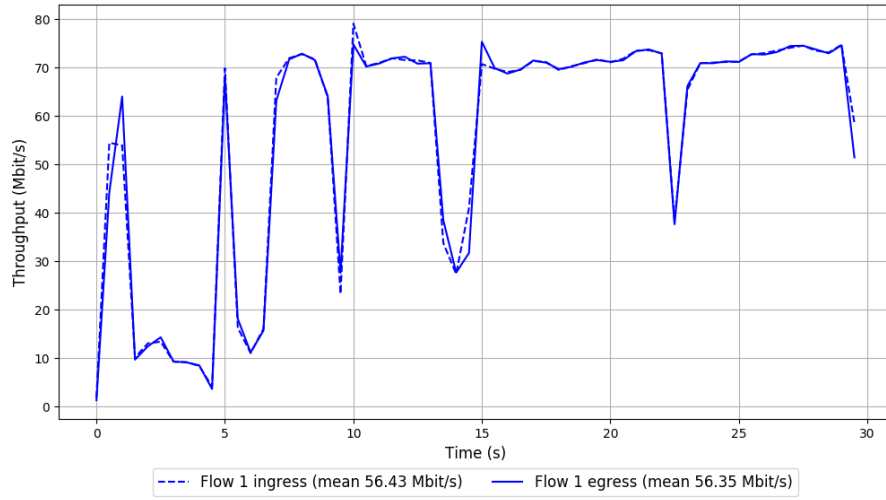
-- Flow 1:

Average throughput: 56.35 Mbit/s

95th percentile per-packet one-way delay: 53.816 ms

Loss rate: 0.41%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-08-29 10:40:13

End at: 2017-08-29 10:40:43

Local clock offset: 0.415 ms

Remote clock offset: -1.997 ms

Below is generated by plot.py at 2017-08-29 14:58:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.79 Mbit/s

95th percentile per-packet one-way delay: 55.613 ms

Loss rate: 0.36%

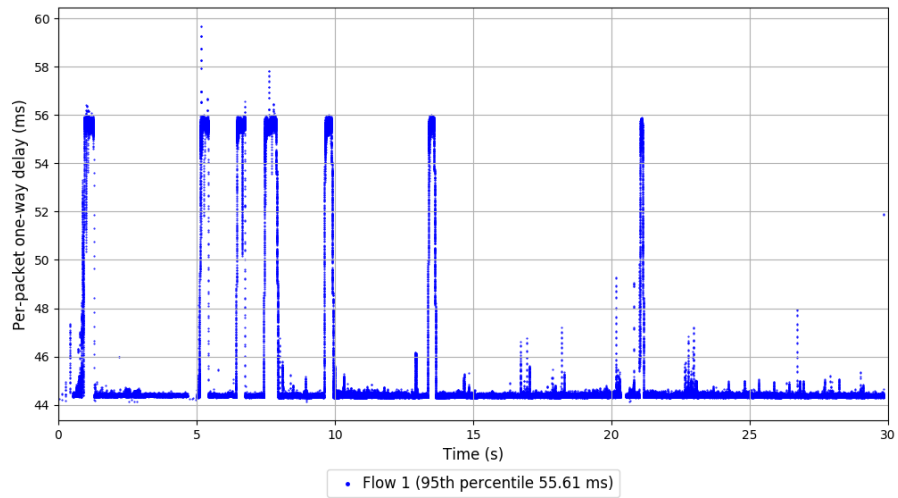
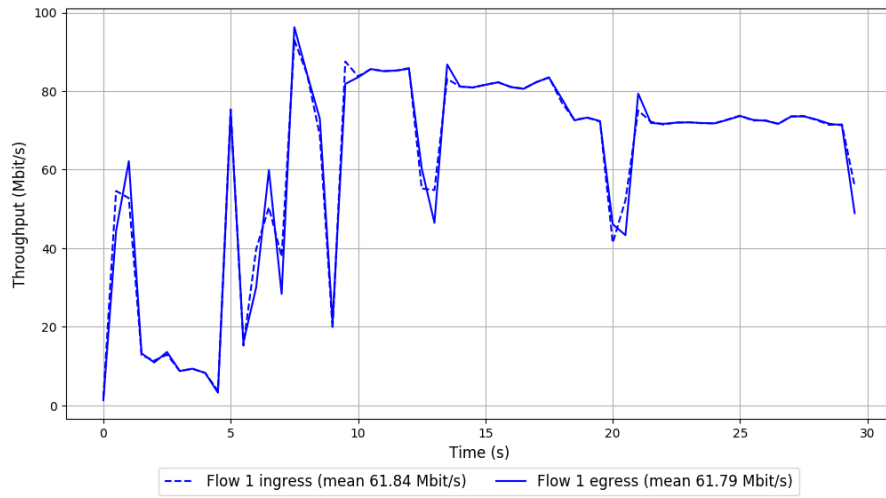
-- Flow 1:

Average throughput: 61.79 Mbit/s

95th percentile per-packet one-way delay: 55.613 ms

Loss rate: 0.36%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2017-08-29 07:54:54

End at: 2017-08-29 07:55:24

Local clock offset: 0.668 ms

Remote clock offset: -2.353 ms

Below is generated by plot.py at 2017-08-29 14:58:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 44.006 ms

Loss rate: 0.38%

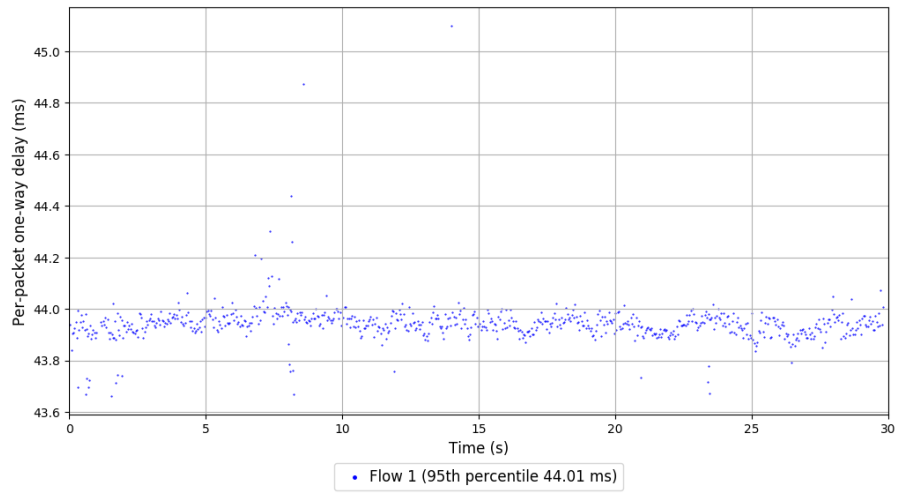
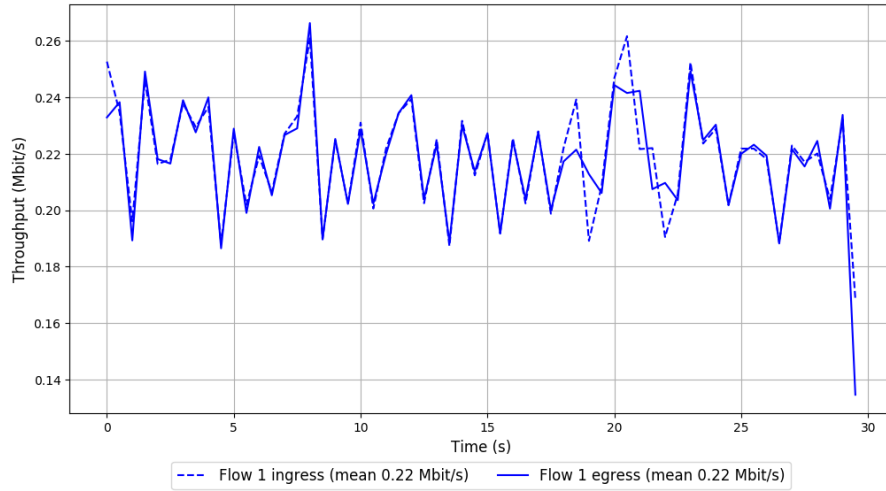
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 44.006 ms

Loss rate: 0.38%

Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2017-08-29 08:15:16

End at: 2017-08-29 08:15:46

Local clock offset: 0.62 ms

Remote clock offset: 0.849 ms

Below is generated by plot.py at 2017-08-29 14:58:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 42.064 ms

Loss rate: 0.26%

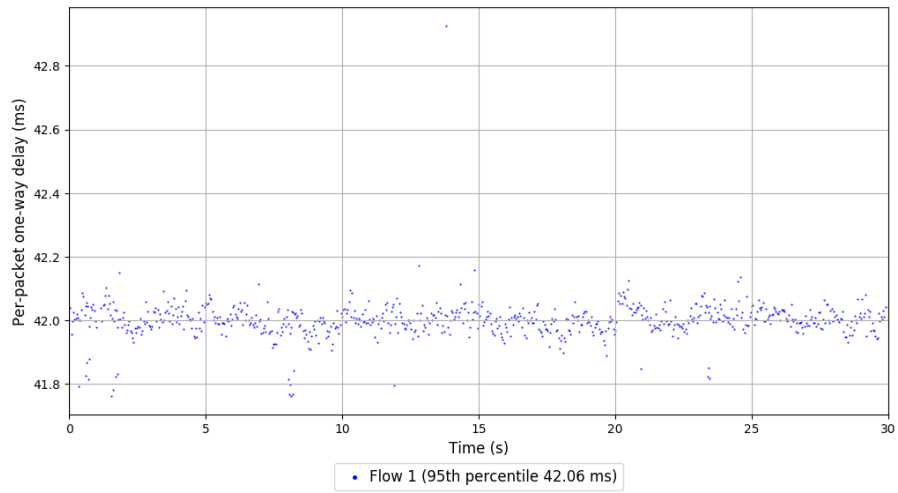
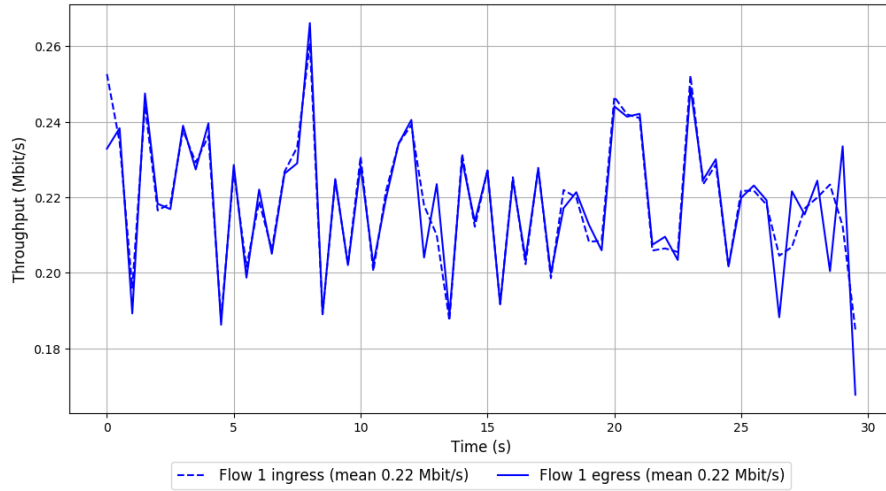
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 42.064 ms

Loss rate: 0.26%

Run 2: Report of SCReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2017-08-29 08:35:33

End at: 2017-08-29 08:36:03

Local clock offset: 0.566 ms

Remote clock offset: 0.876 ms

Below is generated by plot.py at 2017-08-29 14:58:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 41.729 ms

Loss rate: 0.25%

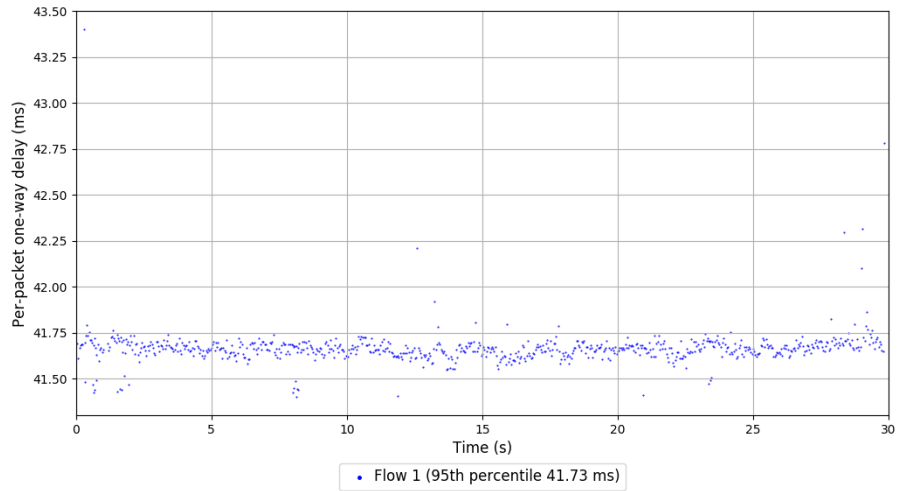
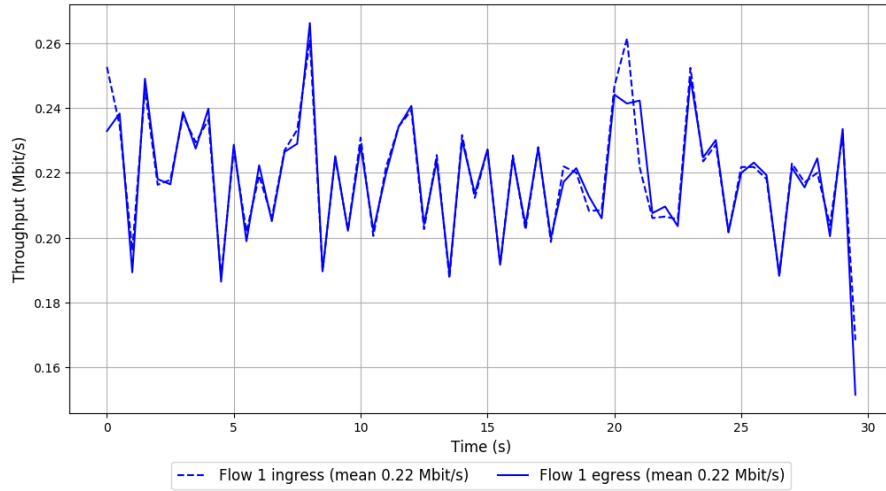
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 41.729 ms

Loss rate: 0.25%

Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2017-08-29 08:55:53

End at: 2017-08-29 08:56:23

Local clock offset: 0.626 ms

Remote clock offset: -0.921 ms

Below is generated by plot.py at 2017-08-29 14:58:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 43.873 ms

Loss rate: 0.26%

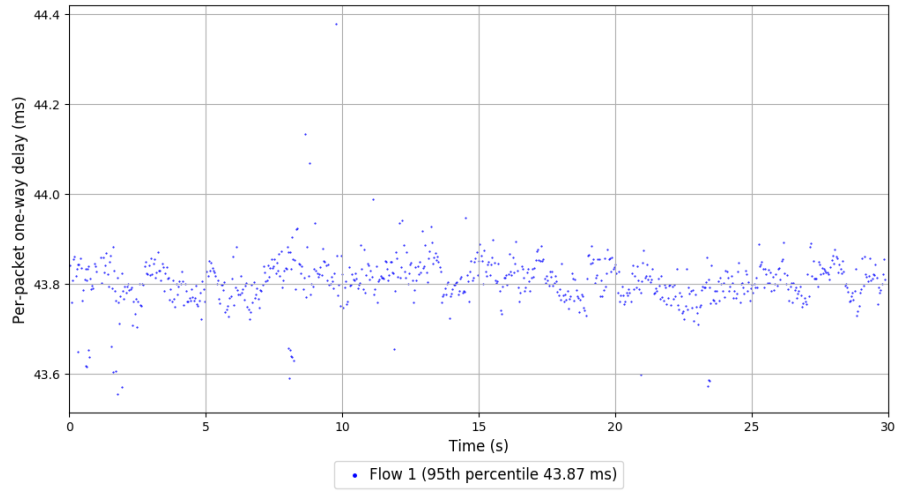
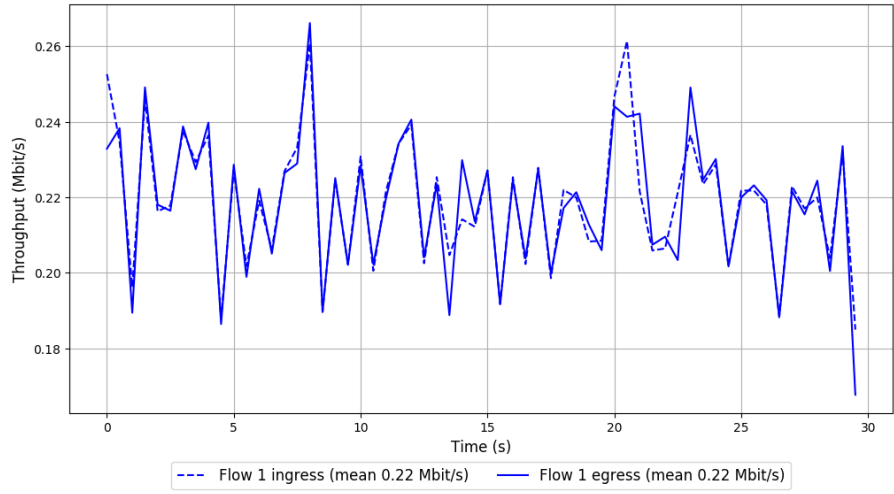
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 43.873 ms

Loss rate: 0.26%

Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2017-08-29 09:16:16

End at: 2017-08-29 09:16:46

Local clock offset: 0.667 ms

Remote clock offset: 1.026 ms

Below is generated by plot.py at 2017-08-29 14:58:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 42.630 ms

Loss rate: 0.25%

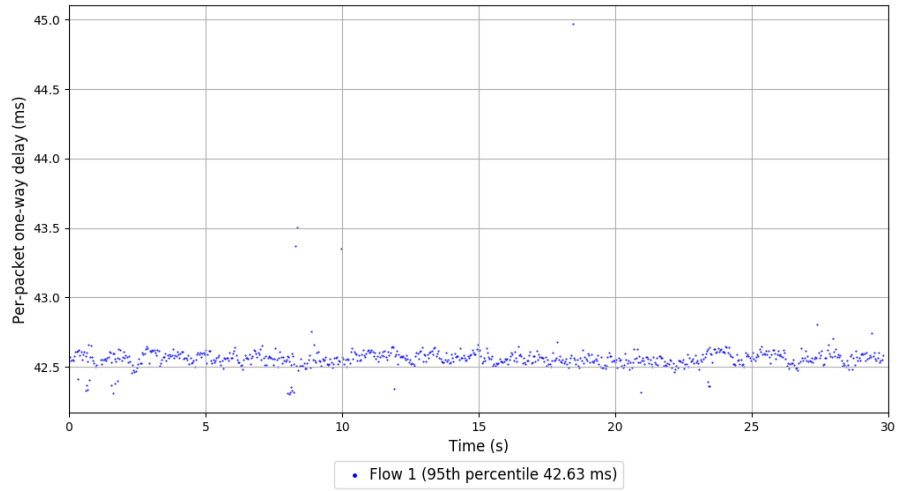
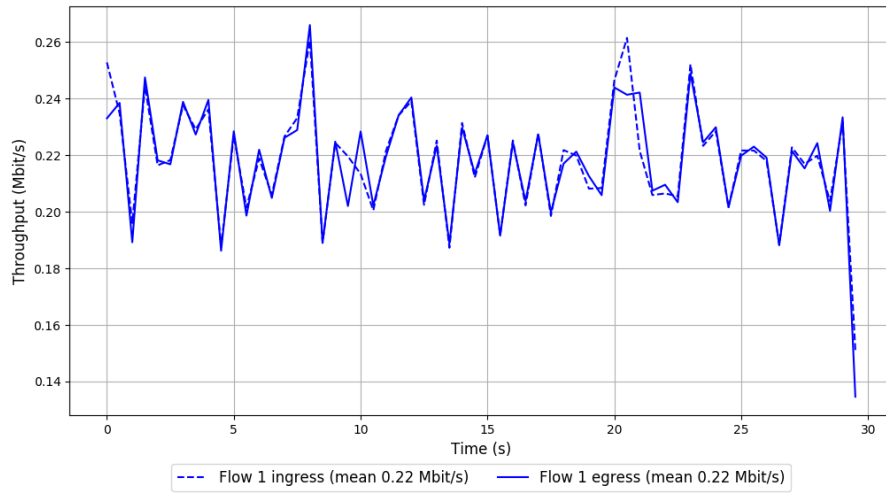
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 42.630 ms

Loss rate: 0.25%

Run 5: Report of SCReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2017-08-29 09:36:39

End at: 2017-08-29 09:37:09

Local clock offset: 0.578 ms

Remote clock offset: 0.858 ms

Below is generated by plot.py at 2017-08-29 14:58:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 42.566 ms

Loss rate: 0.25%

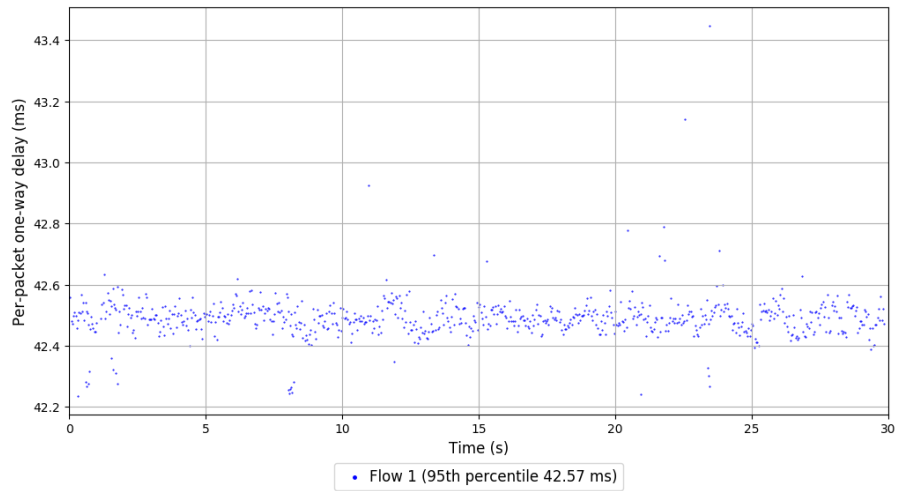
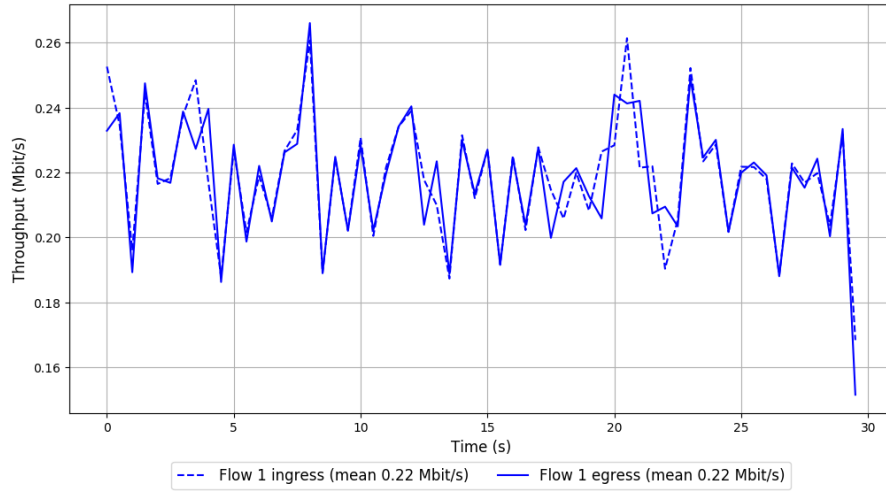
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 42.566 ms

Loss rate: 0.25%

Run 6: Report of SCReAM — Data Link

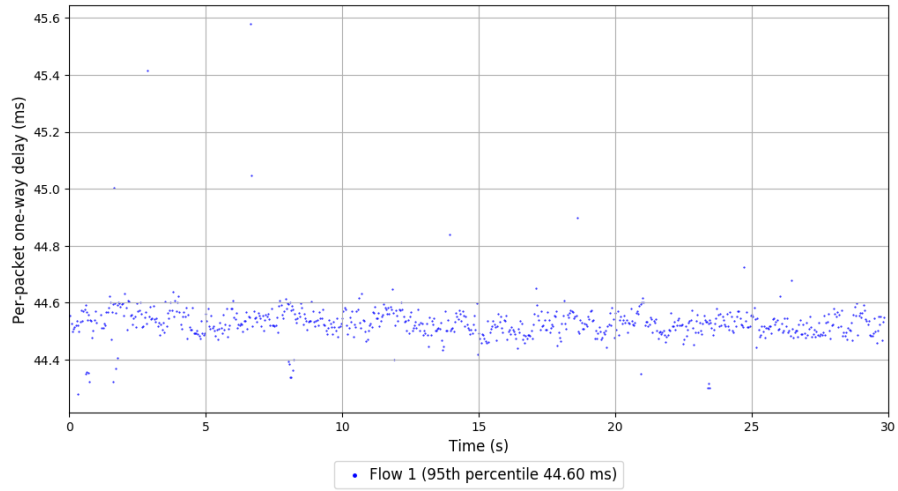
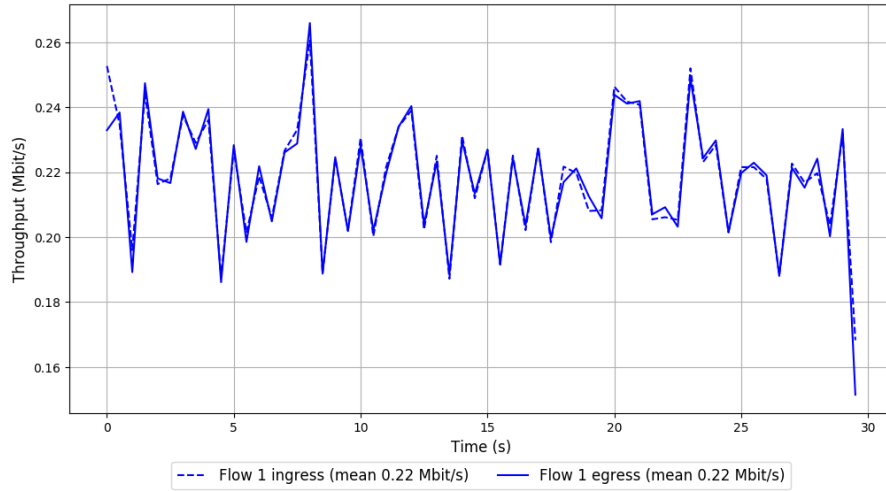


Run 7: Statistics of SCReAM

Start at: 2017-08-29 09:56:59
End at: 2017-08-29 09:57:29
Local clock offset: 0.516 ms
Remote clock offset: -1.351 ms

Below is generated by plot.py at 2017-08-29 14:58:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 44.598 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 44.598 ms
Loss rate: 0.25%

Run 7: Report of SCReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2017-08-29 10:17:19

End at: 2017-08-29 10:17:49

Local clock offset: 0.587 ms

Remote clock offset: 0.538 ms

Below is generated by plot.py at 2017-08-29 14:58:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 41.771 ms

Loss rate: 0.26%

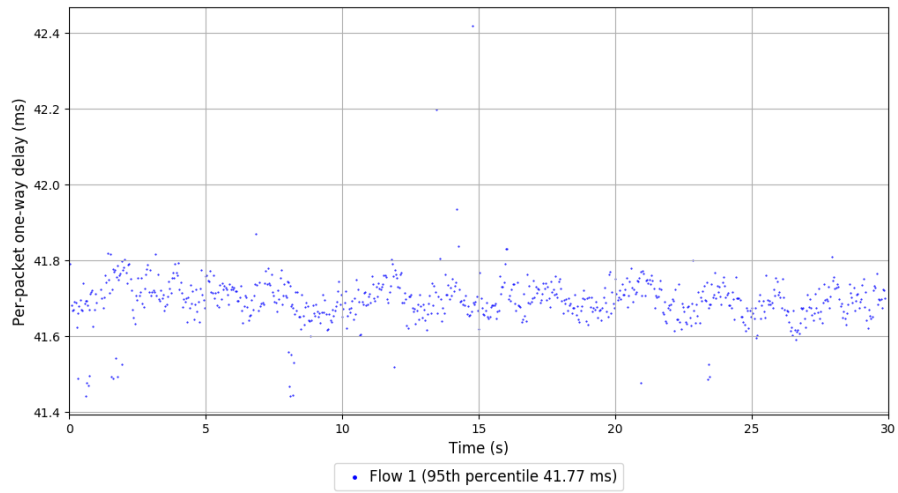
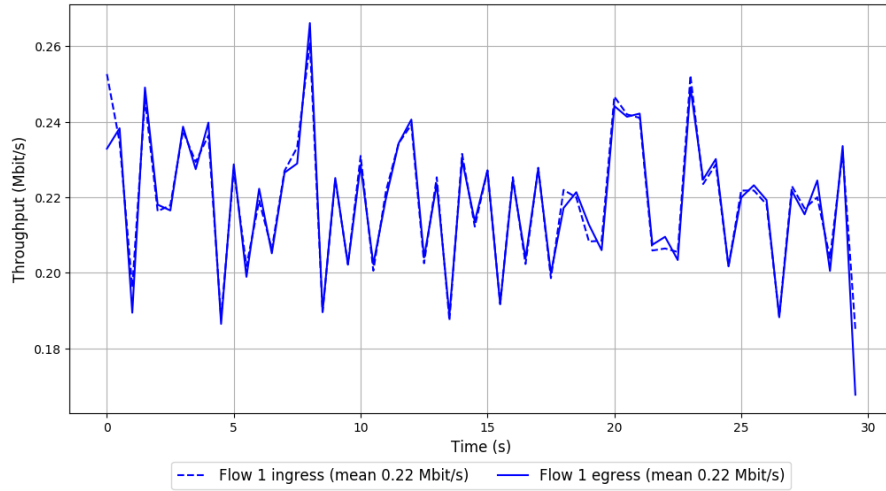
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 41.771 ms

Loss rate: 0.26%

Run 8: Report of SCReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2017-08-29 10:37:38

End at: 2017-08-29 10:38:08

Local clock offset: 0.498 ms

Remote clock offset: -1.987 ms

Below is generated by plot.py at 2017-08-29 14:58:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 44.654 ms

Loss rate: 0.25%

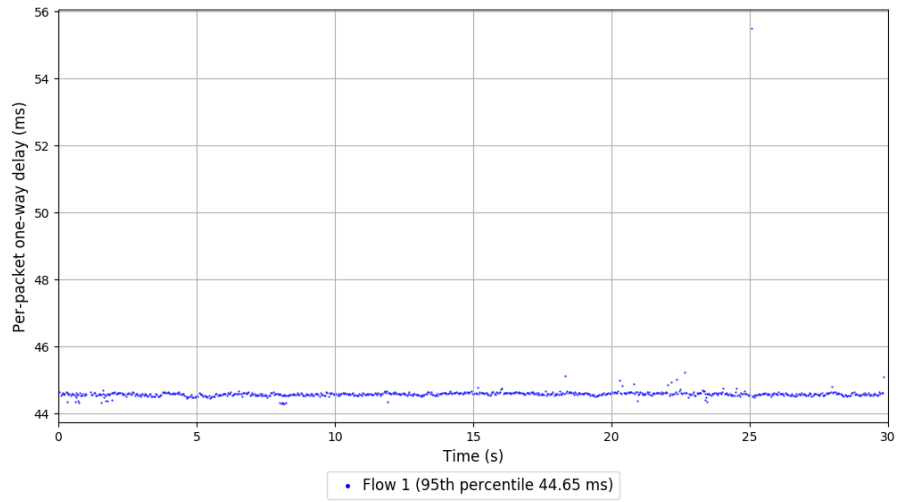
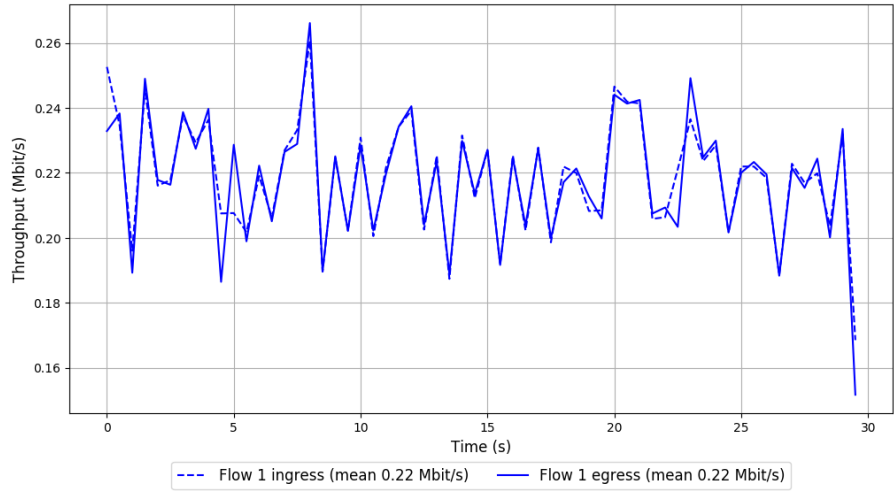
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 44.654 ms

Loss rate: 0.25%

Run 9: Report of SCReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2017-08-29 10:58:00

End at: 2017-08-29 10:58:30

Local clock offset: 0.424 ms

Remote clock offset: -2.325 ms

Below is generated by plot.py at 2017-08-29 14:58:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 44.579 ms

Loss rate: 0.38%

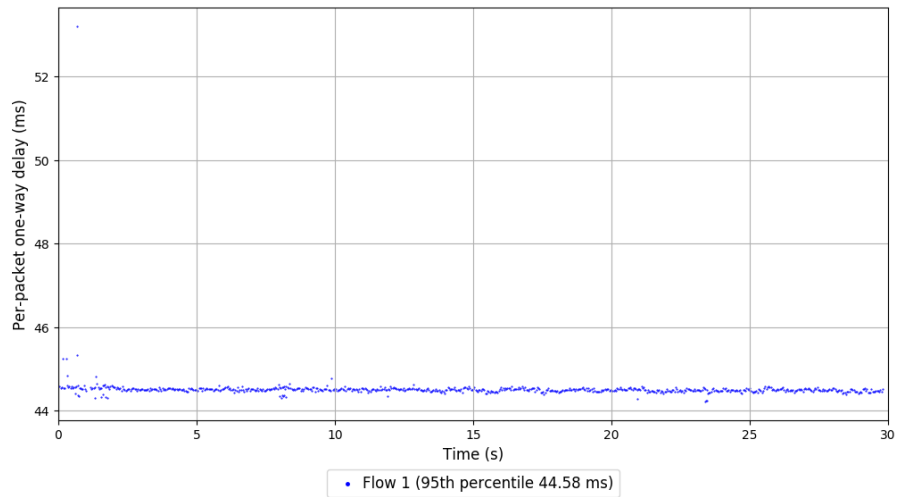
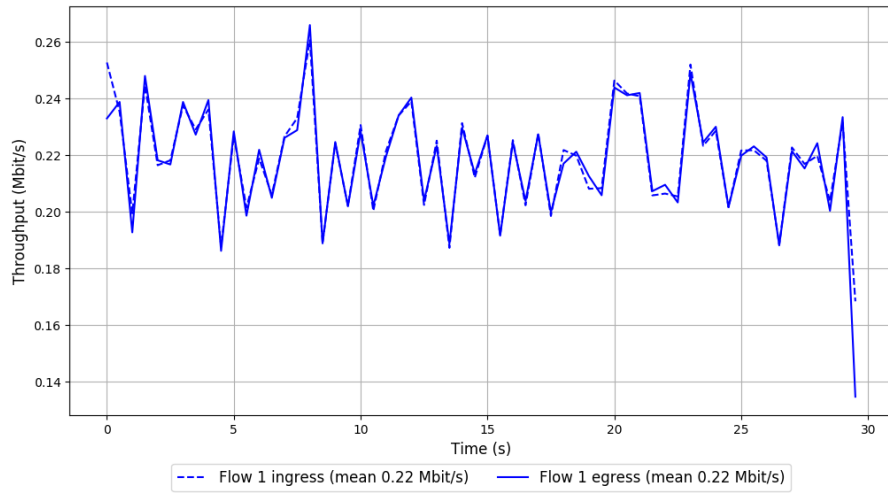
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 44.579 ms

Loss rate: 0.38%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2017-08-29 07:56:11

End at: 2017-08-29 07:56:41

Local clock offset: 0.767 ms

Remote clock offset: 0.358 ms

Below is generated by plot.py at 2017-08-29 14:58:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.19 Mbit/s

95th percentile per-packet one-way delay: 46.249 ms

Loss rate: 0.33%

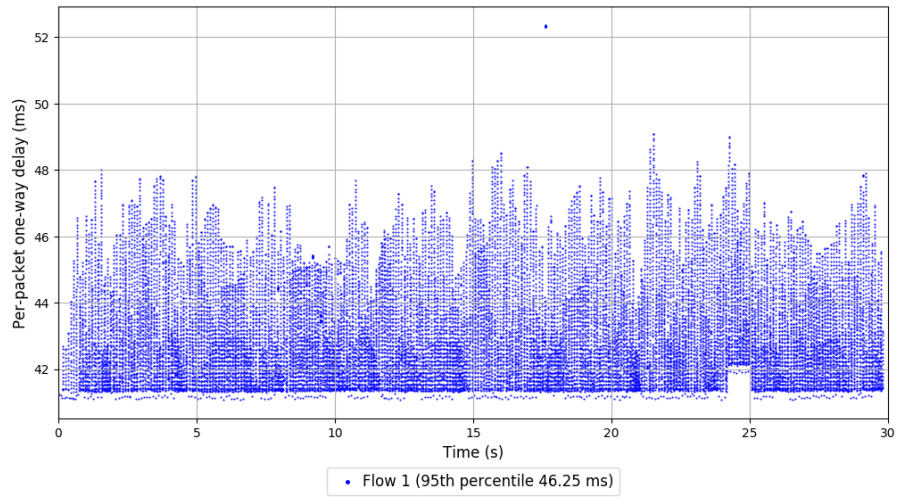
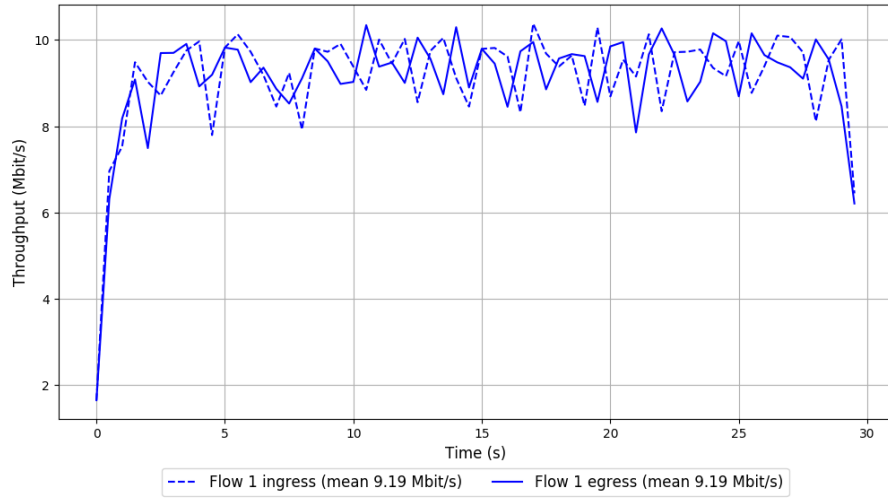
-- Flow 1:

Average throughput: 9.19 Mbit/s

95th percentile per-packet one-way delay: 46.249 ms

Loss rate: 0.33%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2017-08-29 08:16:33

End at: 2017-08-29 08:17:03

Local clock offset: 0.602 ms

Remote clock offset: 0.427 ms

Below is generated by plot.py at 2017-08-29 14:58:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.09 Mbit/s

95th percentile per-packet one-way delay: 47.184 ms

Loss rate: 0.32%

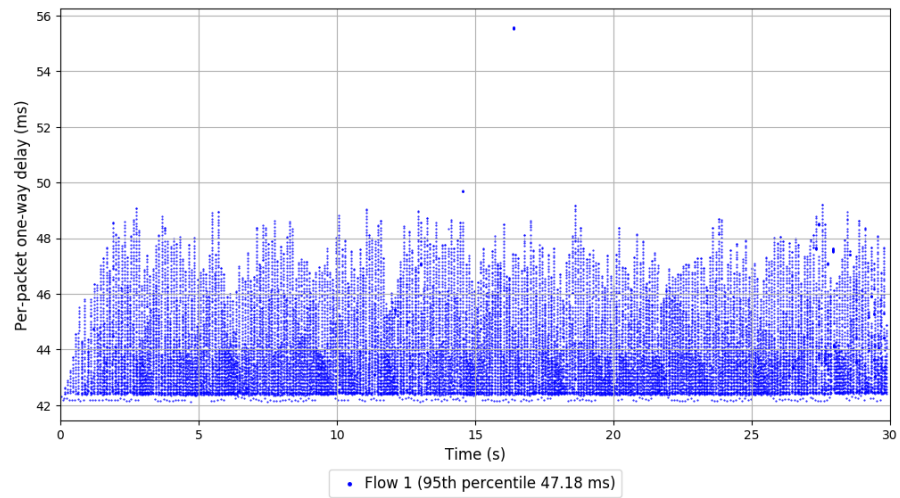
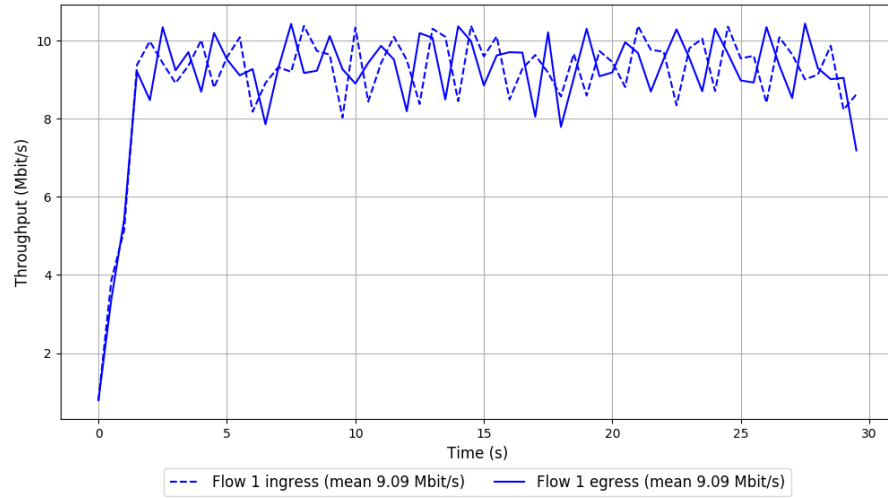
-- Flow 1:

Average throughput: 9.09 Mbit/s

95th percentile per-packet one-way delay: 47.184 ms

Loss rate: 0.32%

Run 2: Report of Sprout — Data Link

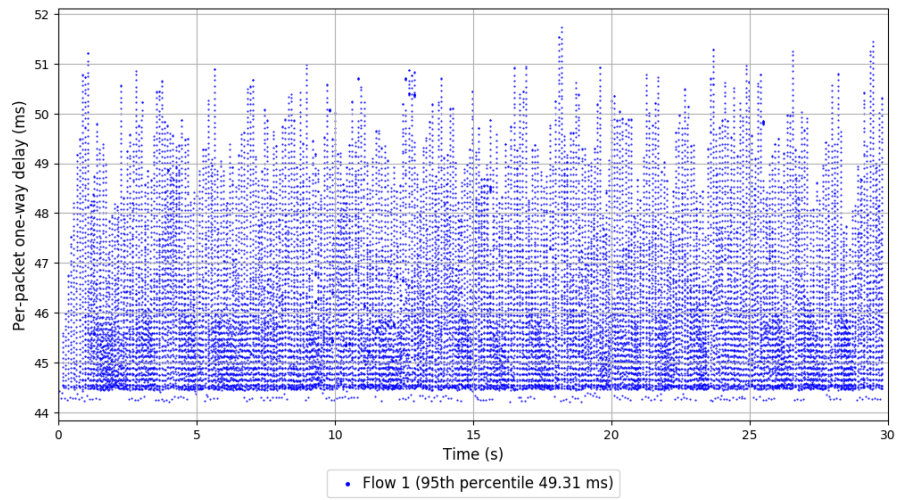
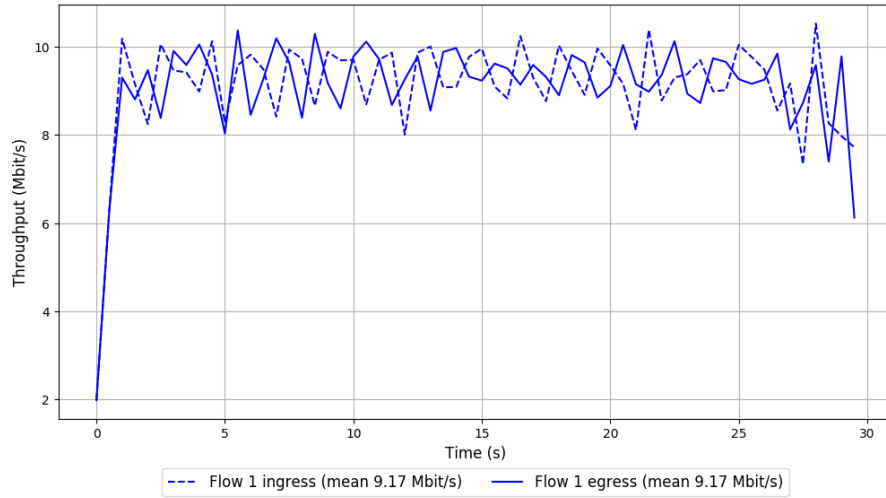


Run 3: Statistics of Sprout

Start at: 2017-08-29 08:36:50
End at: 2017-08-29 08:37:20
Local clock offset: 0.665 ms
Remote clock offset: -1.137 ms

```
# Below is generated by plot.py at 2017-08-29 14:58:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 49.308 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 49.308 ms
Loss rate: 0.29%
```

Run 3: Report of Sprout — Data Link

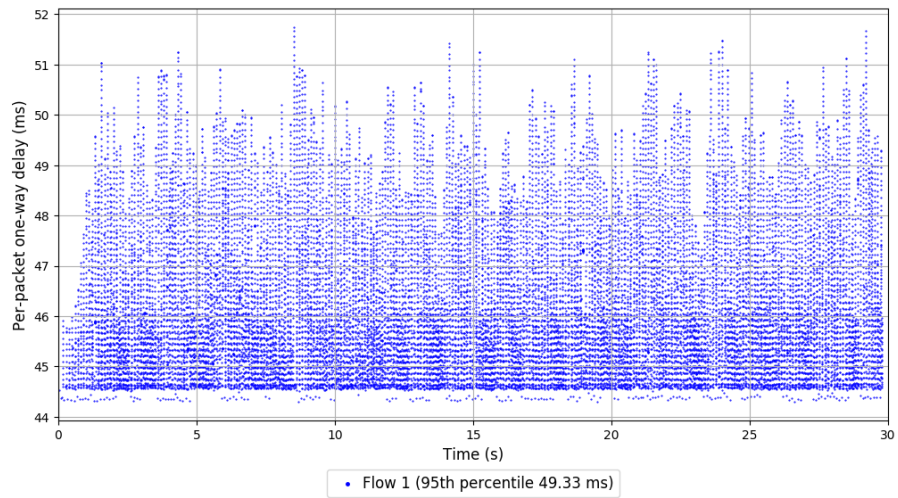
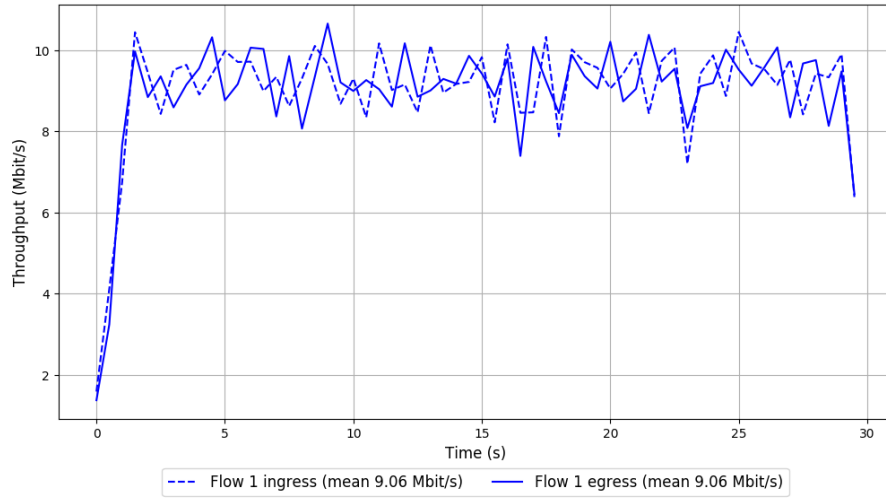


Run 4: Statistics of Sprout

Start at: 2017-08-29 08:57:10
End at: 2017-08-29 08:57:40
Local clock offset: 0.691 ms
Remote clock offset: -0.842 ms

Below is generated by plot.py at 2017-08-29 14:58:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 49.328 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 49.328 ms
Loss rate: 0.35%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-08-29 09:17:33

End at: 2017-08-29 09:18:03

Local clock offset: 0.693 ms

Remote clock offset: 1.112 ms

Below is generated by plot.py at 2017-08-29 14:58:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.05 Mbit/s

95th percentile per-packet one-way delay: 47.295 ms

Loss rate: 0.18%

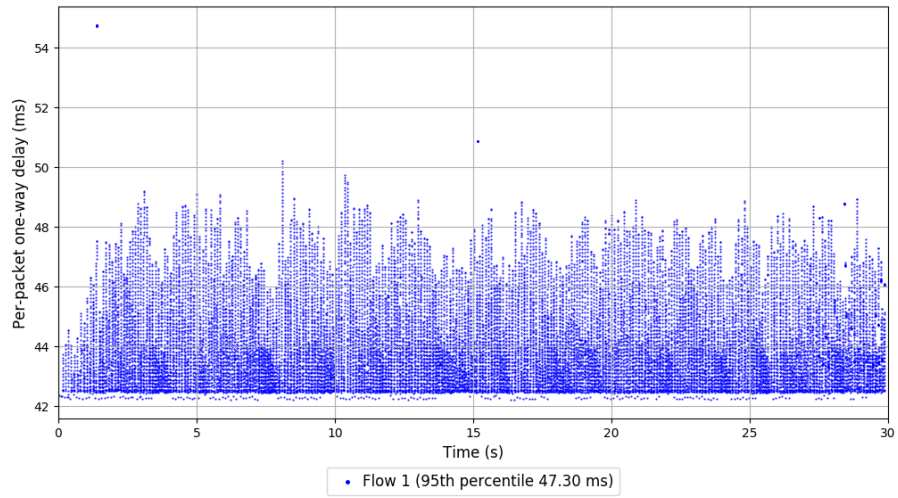
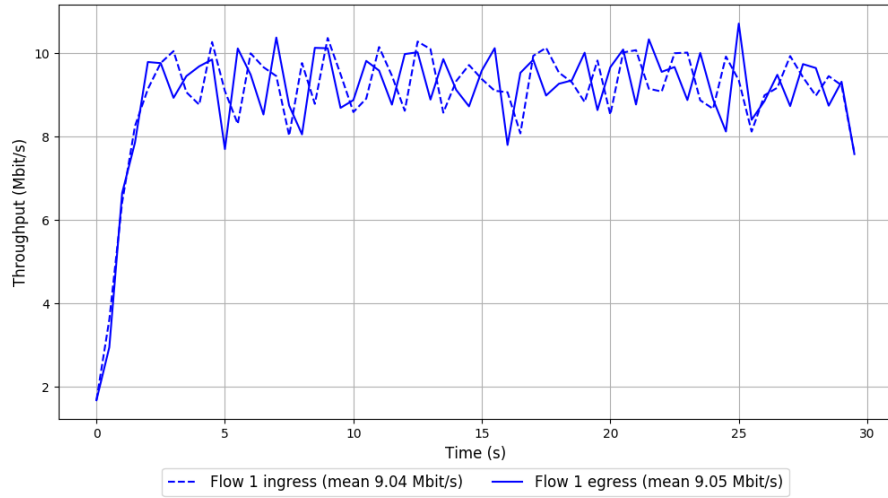
-- Flow 1:

Average throughput: 9.05 Mbit/s

95th percentile per-packet one-way delay: 47.295 ms

Loss rate: 0.18%

Run 5: Report of Sprout — Data Link

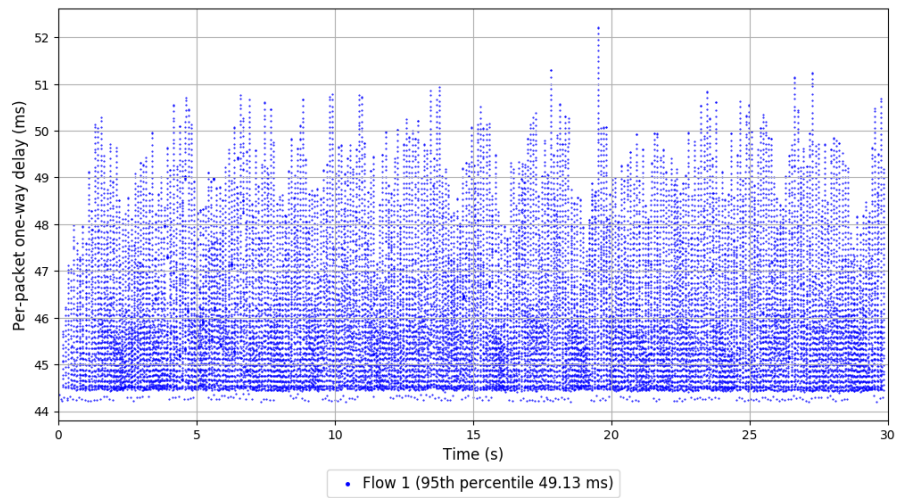
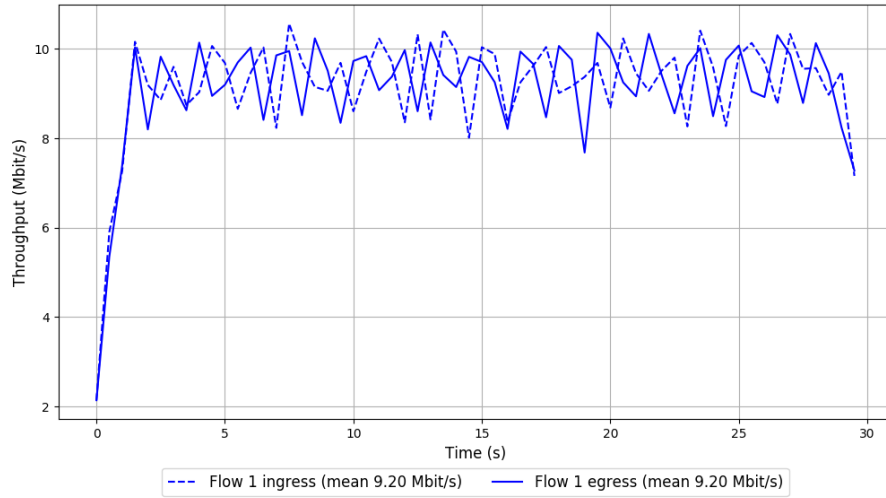


Run 6: Statistics of Sprout

Start at: 2017-08-29 09:37:56
End at: 2017-08-29 09:38:26
Local clock offset: 0.573 ms
Remote clock offset: -1.146 ms

```
# Below is generated by plot.py at 2017-08-29 14:58:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.20 Mbit/s
95th percentile per-packet one-way delay: 49.126 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 9.20 Mbit/s
95th percentile per-packet one-way delay: 49.126 ms
Loss rate: 0.30%
```

Run 6: Report of Sprout — Data Link

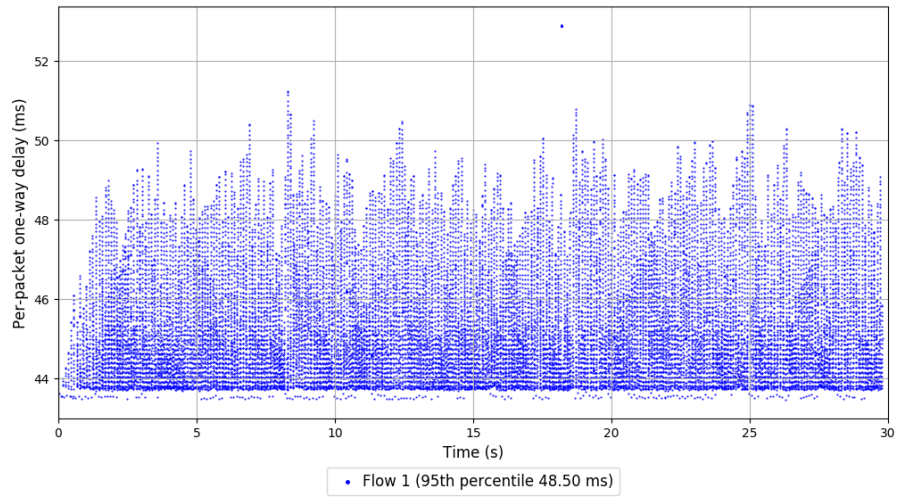
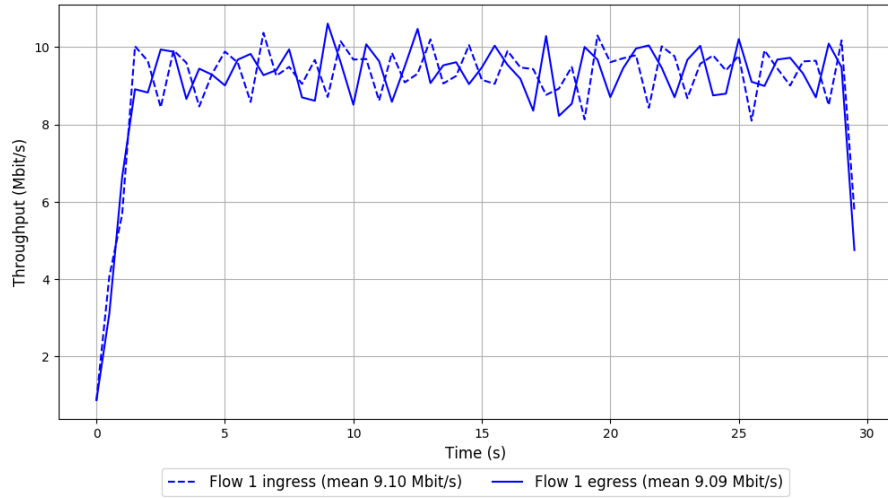


Run 7: Statistics of Sprout

Start at: 2017-08-29 09:58:16
End at: 2017-08-29 09:58:46
Local clock offset: 0.506 ms
Remote clock offset: -1.341 ms

Below is generated by plot.py at 2017-08-29 14:58:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: 48.499 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: 48.499 ms
Loss rate: 0.31%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2017-08-29 10:18:36

End at: 2017-08-29 10:19:06

Local clock offset: 0.488 ms

Remote clock offset: -1.54 ms

Below is generated by plot.py at 2017-08-29 14:58:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.19 Mbit/s

95th percentile per-packet one-way delay: 48.763 ms

Loss rate: 0.33%

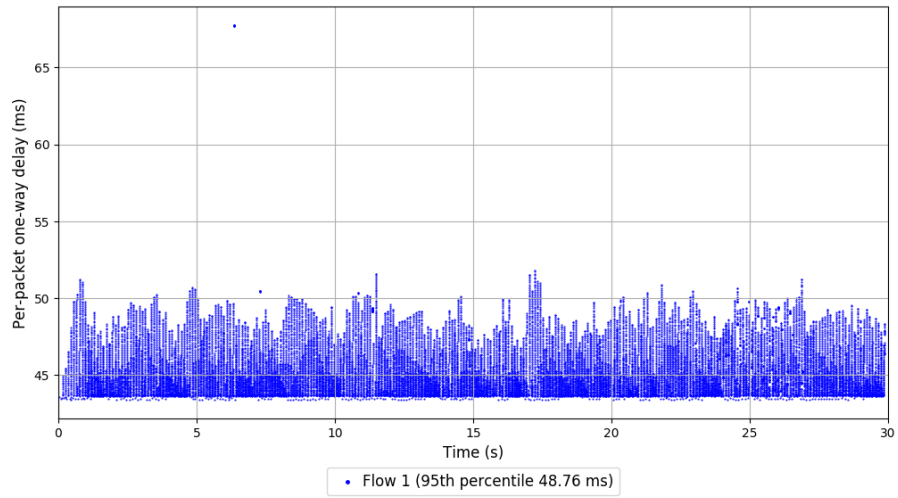
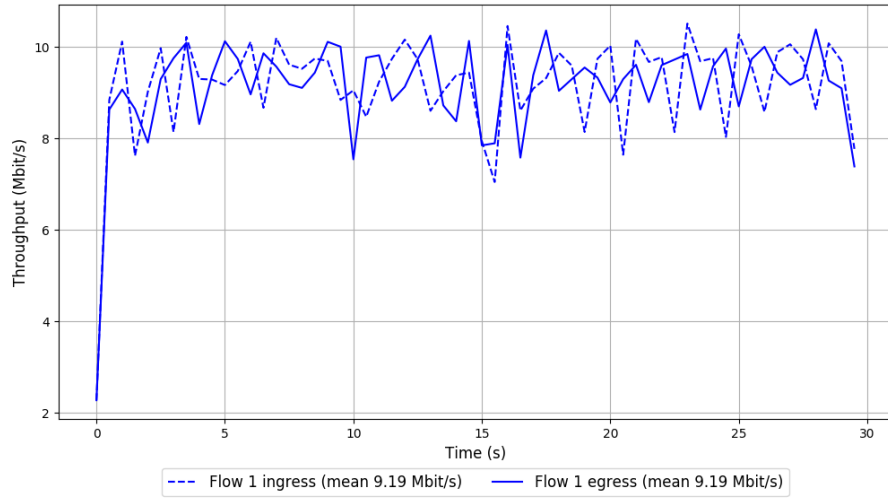
-- Flow 1:

Average throughput: 9.19 Mbit/s

95th percentile per-packet one-way delay: 48.763 ms

Loss rate: 0.33%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-08-29 10:38:55

End at: 2017-08-29 10:39:25

Local clock offset: 0.397 ms

Remote clock offset: 0.55 ms

Below is generated by plot.py at 2017-08-29 14:58:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 46.117 ms

Loss rate: 0.40%

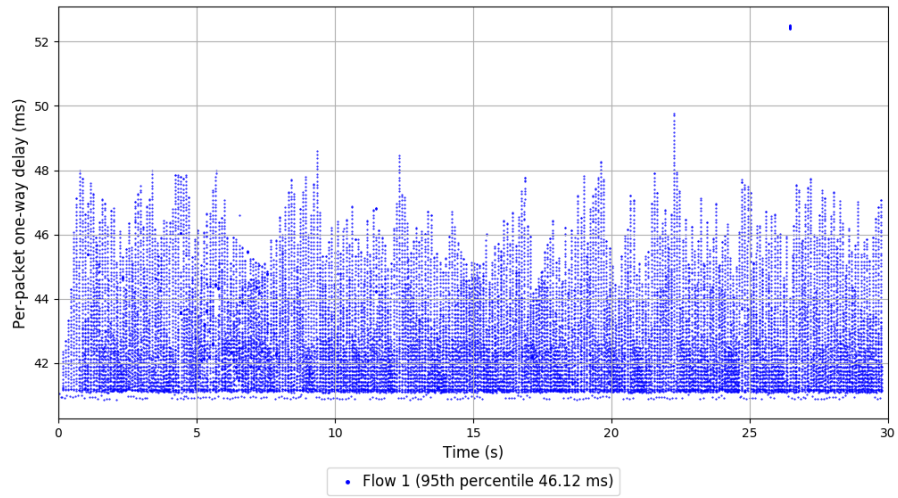
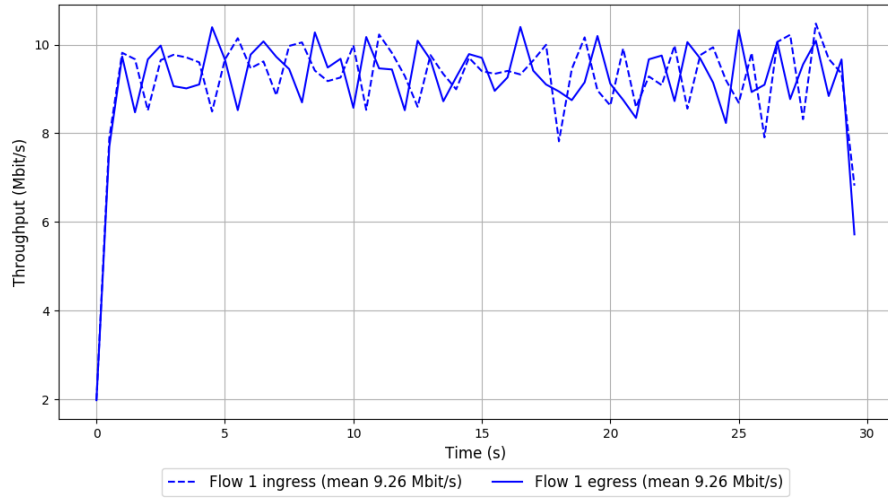
-- Flow 1:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 46.117 ms

Loss rate: 0.40%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-08-29 10:59:17

End at: 2017-08-29 10:59:47

Local clock offset: 0.4 ms

Remote clock offset: -0.254 ms

Below is generated by plot.py at 2017-08-29 14:58:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.12 Mbit/s

95th percentile per-packet one-way delay: 47.085 ms

Loss rate: 0.20%

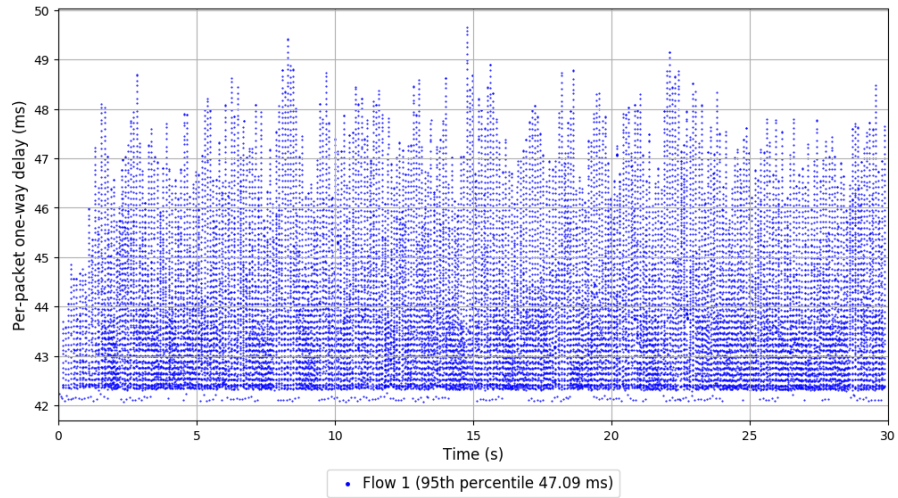
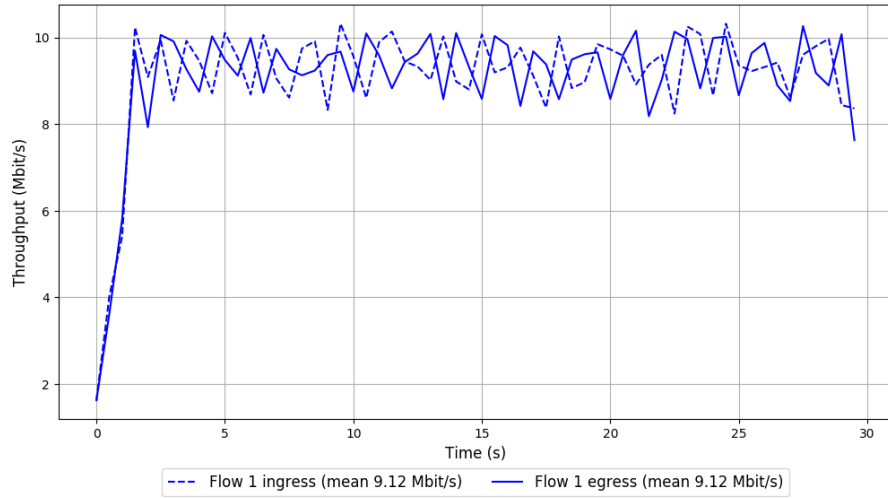
-- Flow 1:

Average throughput: 9.12 Mbit/s

95th percentile per-packet one-way delay: 47.085 ms

Loss rate: 0.20%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2017-08-29 07:45:17

End at: 2017-08-29 07:45:47

Local clock offset: 0.683 ms

Remote clock offset: -2.605 ms

Below is generated by plot.py at 2017-08-29 14:58:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.33 Mbit/s

95th percentile per-packet one-way delay: 53.847 ms

Loss rate: 0.39%

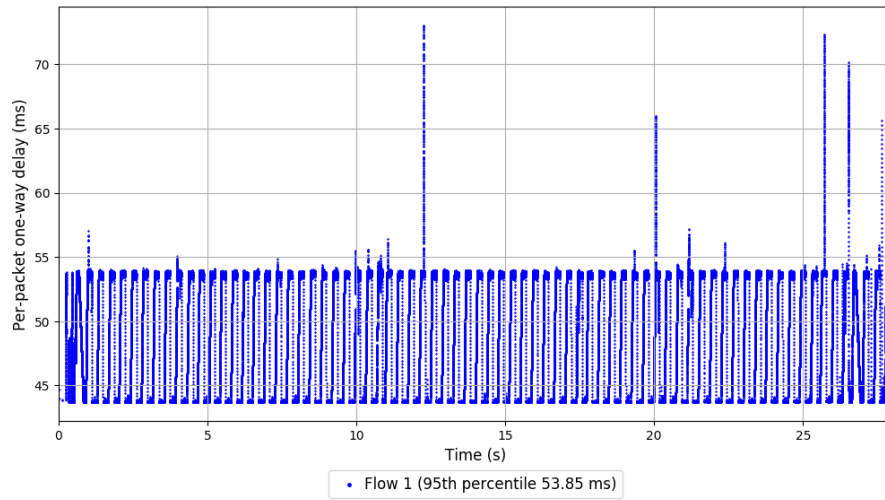
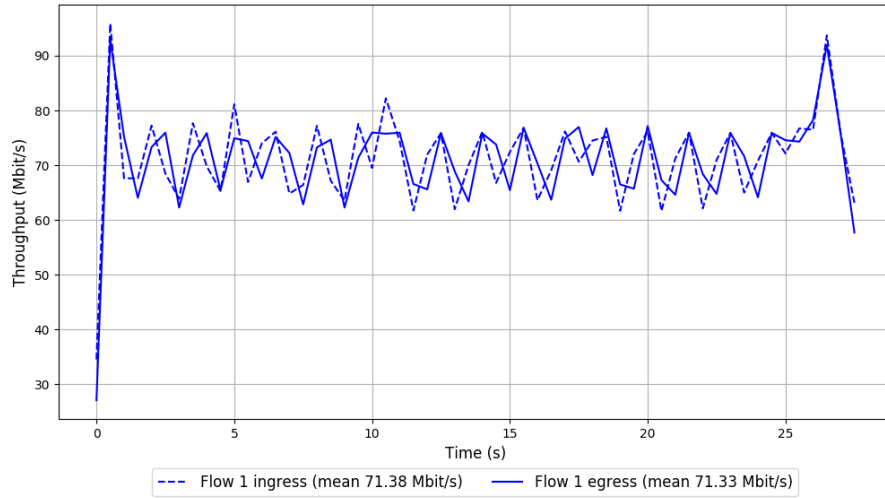
-- Flow 1:

Average throughput: 71.33 Mbit/s

95th percentile per-packet one-way delay: 53.847 ms

Loss rate: 0.39%

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



Run 2: Statistics of TaoVA-100x

Start at: 2017-08-29 08:05:42

End at: 2017-08-29 08:06:12

Local clock offset: 0.714 ms

Remote clock offset: 0.636 ms

Below is generated by plot.py at 2017-08-29 14:58:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.70 Mbit/s

95th percentile per-packet one-way delay: 52.161 ms

Loss rate: 0.33%

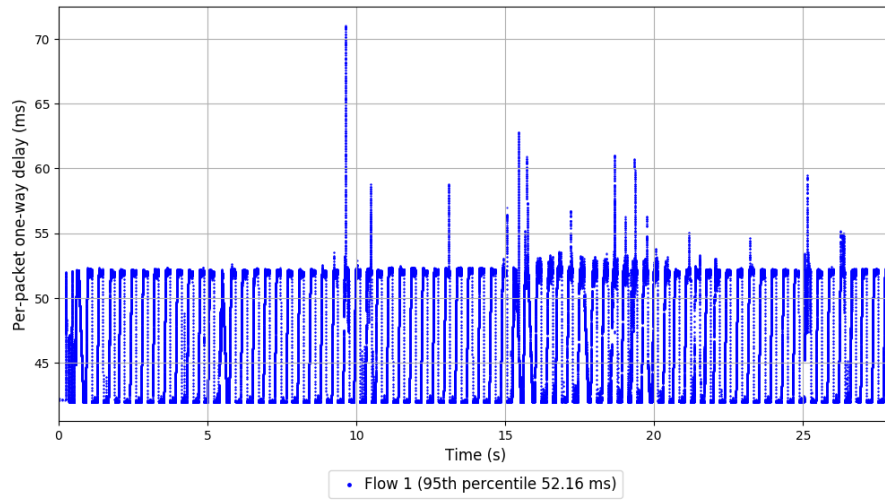
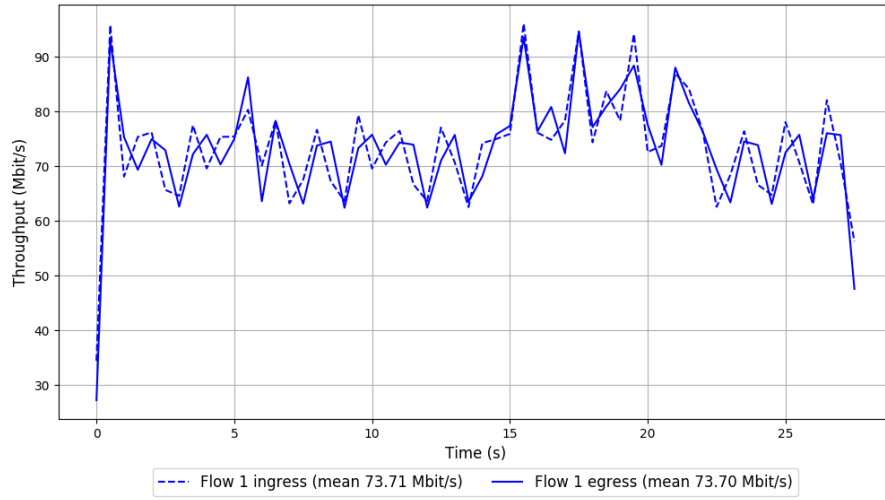
-- Flow 1:

Average throughput: 73.70 Mbit/s

95th percentile per-packet one-way delay: 52.161 ms

Loss rate: 0.33%

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-08-29 08:26:02

End at: 2017-08-29 08:26:32

Local clock offset: 0.658 ms

Remote clock offset: -1.495 ms

Below is generated by plot.py at 2017-08-29 14:59:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.48 Mbit/s

95th percentile per-packet one-way delay: 54.856 ms

Loss rate: 0.40%

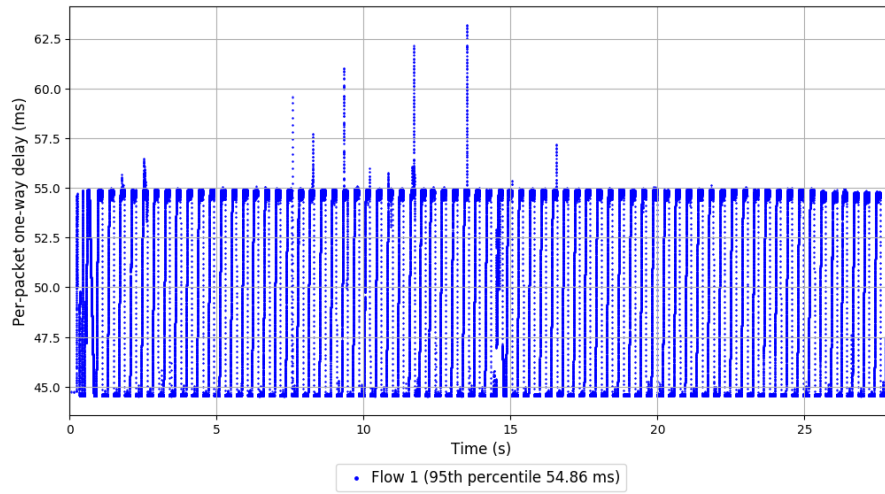
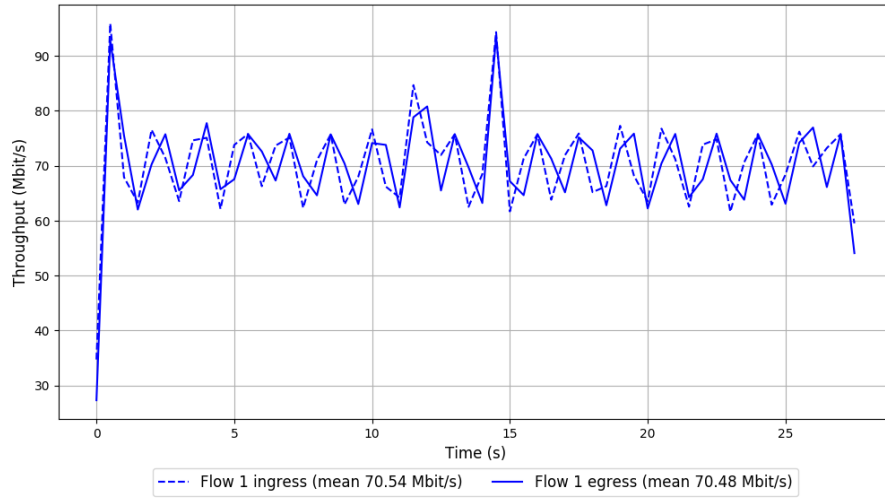
-- Flow 1:

Average throughput: 70.48 Mbit/s

95th percentile per-packet one-way delay: 54.856 ms

Loss rate: 0.40%

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



Run 4: Statistics of TaoVA-100x

Start at: 2017-08-29 08:46:19

End at: 2017-08-29 08:46:49

Local clock offset: 0.703 ms

Remote clock offset: 0.983 ms

Below is generated by plot.py at 2017-08-29 14:59:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.53 Mbit/s

95th percentile per-packet one-way delay: 52.725 ms

Loss rate: 0.44%

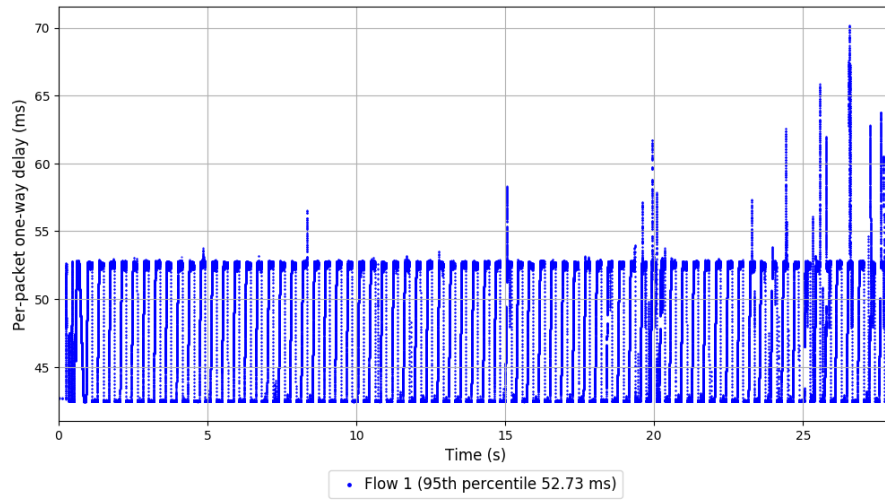
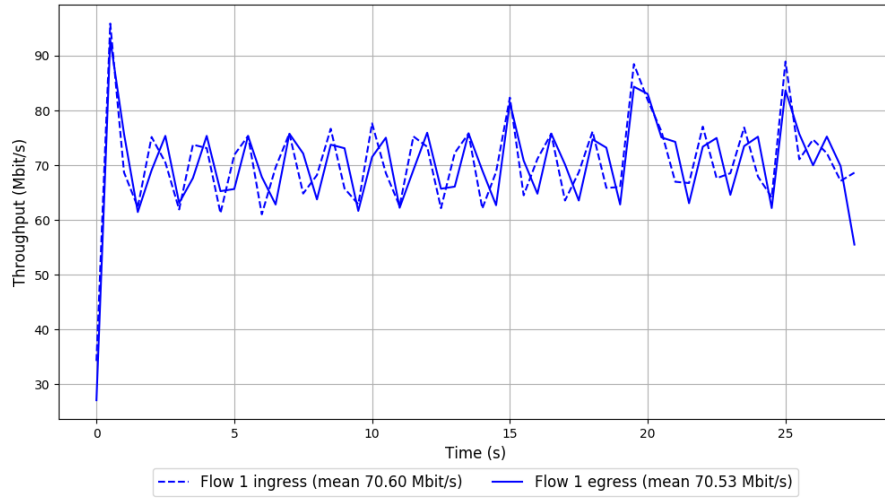
-- Flow 1:

Average throughput: 70.53 Mbit/s

95th percentile per-packet one-way delay: 52.725 ms

Loss rate: 0.44%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-08-29 09:06:40

End at: 2017-08-29 09:07:10

Local clock offset: 0.722 ms

Remote clock offset: -0.997 ms

Below is generated by plot.py at 2017-08-29 14:59:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.24 Mbit/s

95th percentile per-packet one-way delay: 54.034 ms

Loss rate: 0.48%

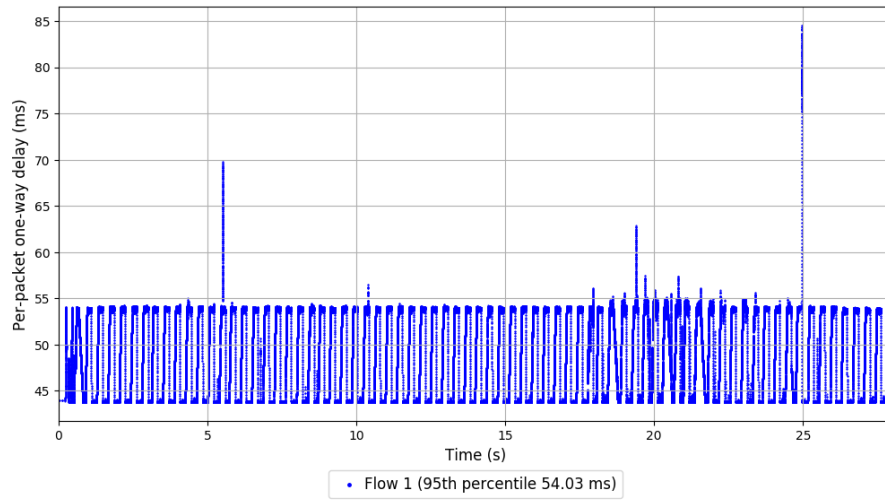
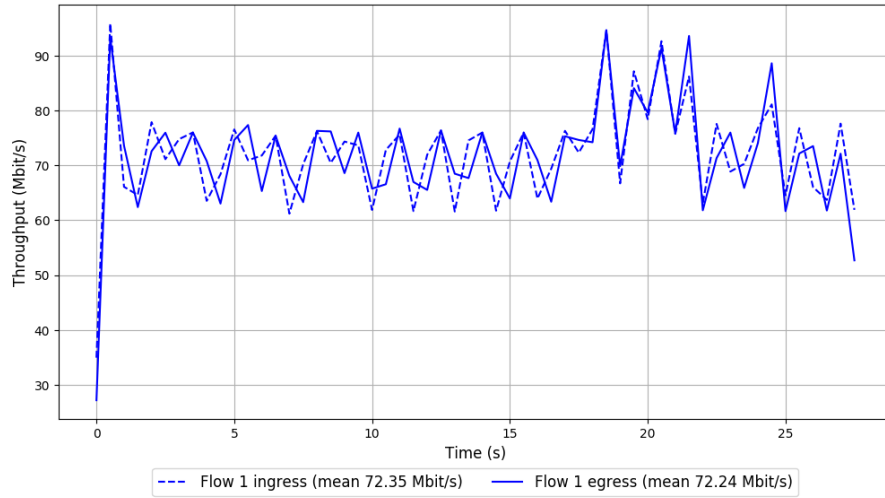
-- Flow 1:

Average throughput: 72.24 Mbit/s

95th percentile per-packet one-way delay: 54.034 ms

Loss rate: 0.48%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-08-29 09:27:04

End at: 2017-08-29 09:27:34

Local clock offset: 0.603 ms

Remote clock offset: -1.113 ms

Below is generated by plot.py at 2017-08-29 14:59:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.16 Mbit/s

95th percentile per-packet one-way delay: 54.580 ms

Loss rate: 0.34%

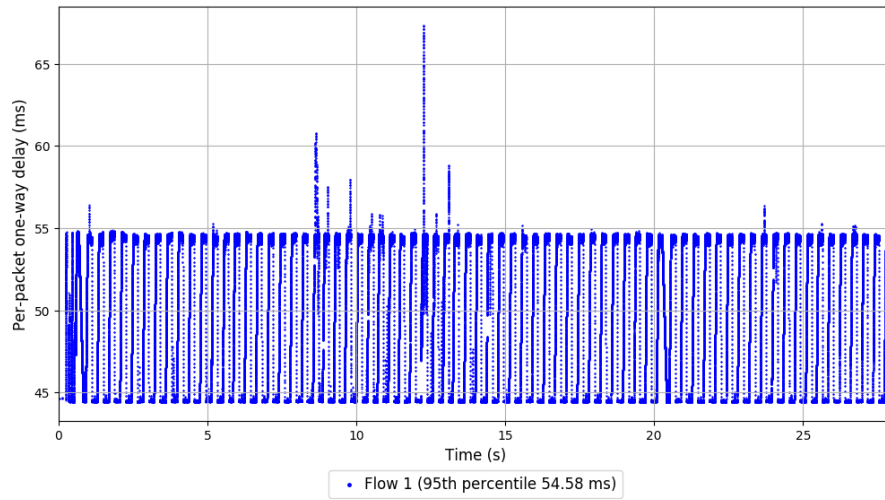
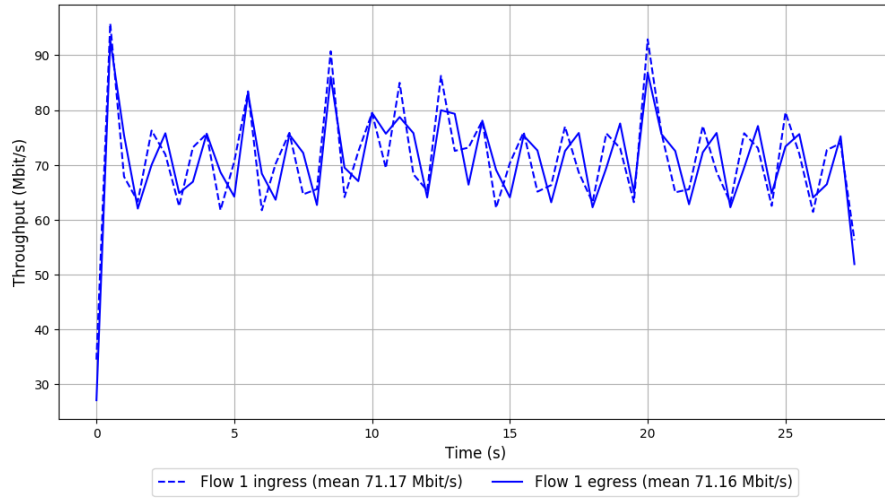
-- Flow 1:

Average throughput: 71.16 Mbit/s

95th percentile per-packet one-way delay: 54.580 ms

Loss rate: 0.34%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-08-29 09:47:25

End at: 2017-08-29 09:47:55

Local clock offset: 0.625 ms

Remote clock offset: 1.346 ms

Below is generated by plot.py at 2017-08-29 14:59:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.01 Mbit/s

95th percentile per-packet one-way delay: 51.335 ms

Loss rate: 0.48%

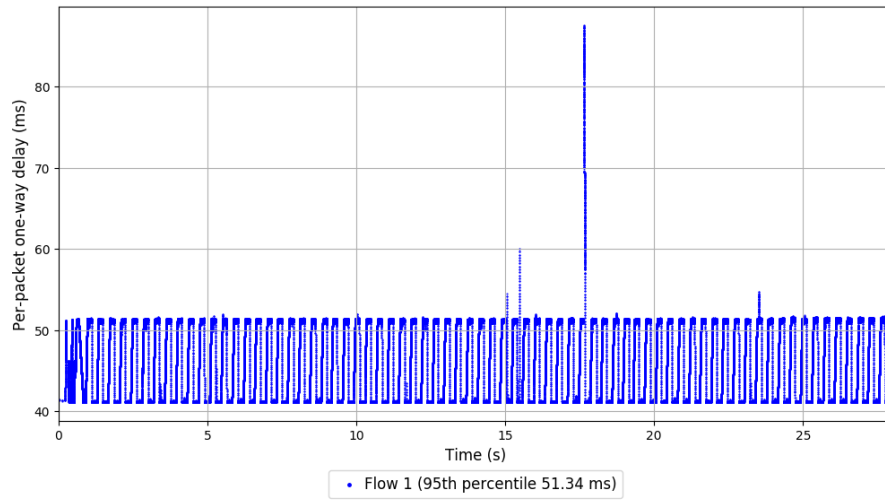
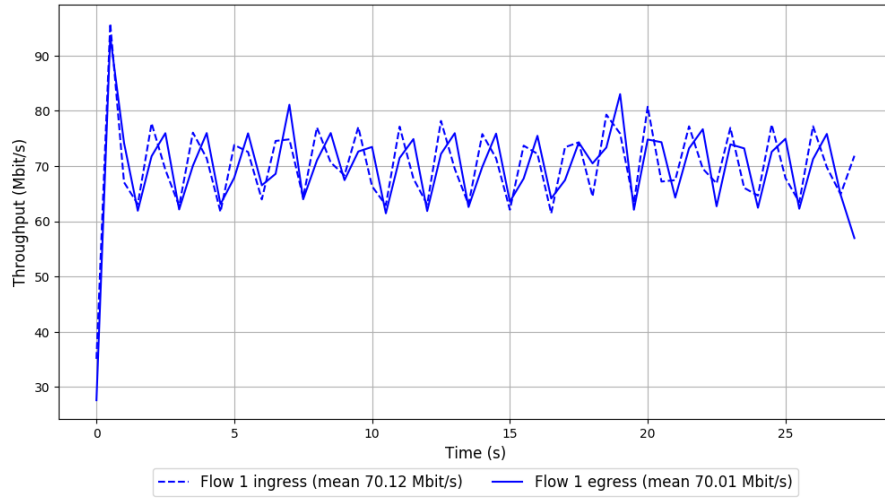
-- Flow 1:

Average throughput: 70.01 Mbit/s

95th percentile per-packet one-way delay: 51.335 ms

Loss rate: 0.48%

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



Run 8: Statistics of TaoVA-100x

Start at: 2017-08-29 10:07:45

End at: 2017-08-29 10:08:15

Local clock offset: 0.605 ms

Remote clock offset: -1.367 ms

Below is generated by plot.py at 2017-08-29 14:59:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.01 Mbit/s

95th percentile per-packet one-way delay: 53.885 ms

Loss rate: 0.18%

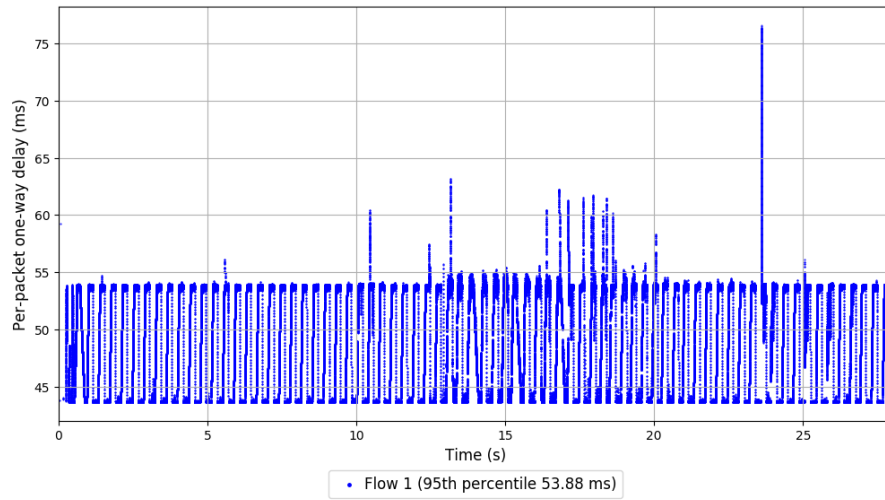
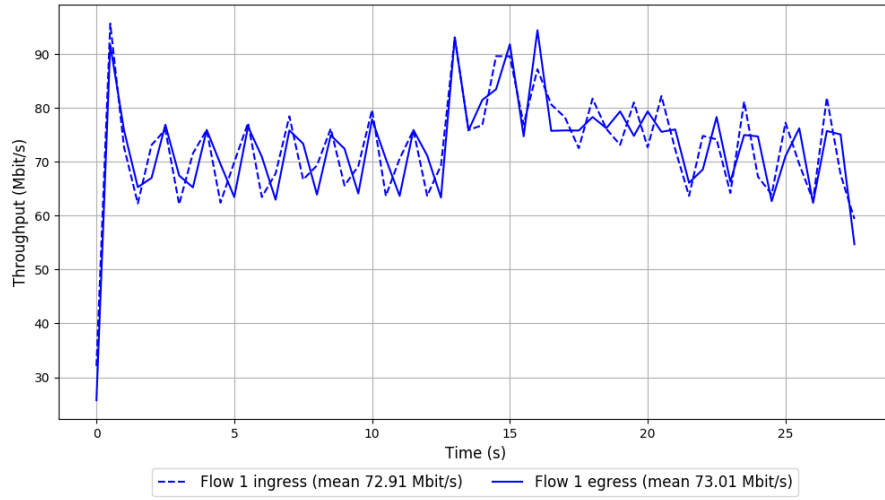
-- Flow 1:

Average throughput: 73.01 Mbit/s

95th percentile per-packet one-way delay: 53.885 ms

Loss rate: 0.18%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-08-29 10:28:04

End at: 2017-08-29 10:28:34

Local clock offset: 0.523 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2017-08-29 14:59:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.24 Mbit/s

95th percentile per-packet one-way delay: 52.572 ms

Loss rate: 0.50%

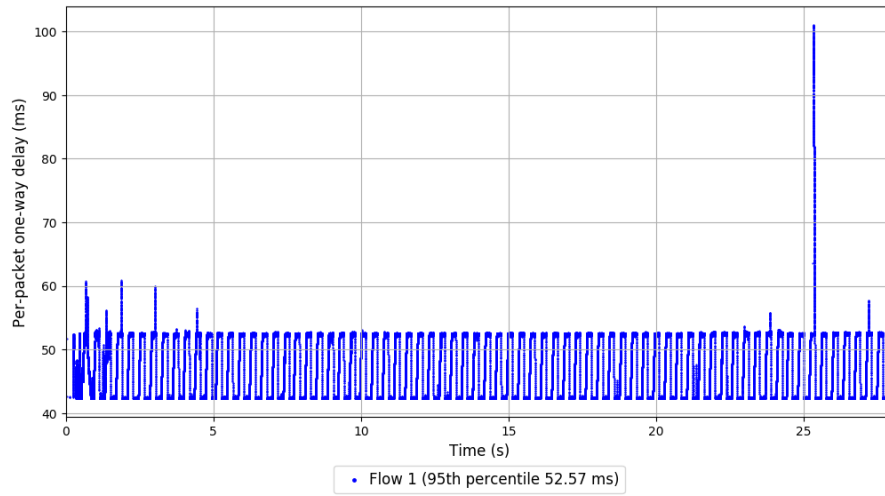
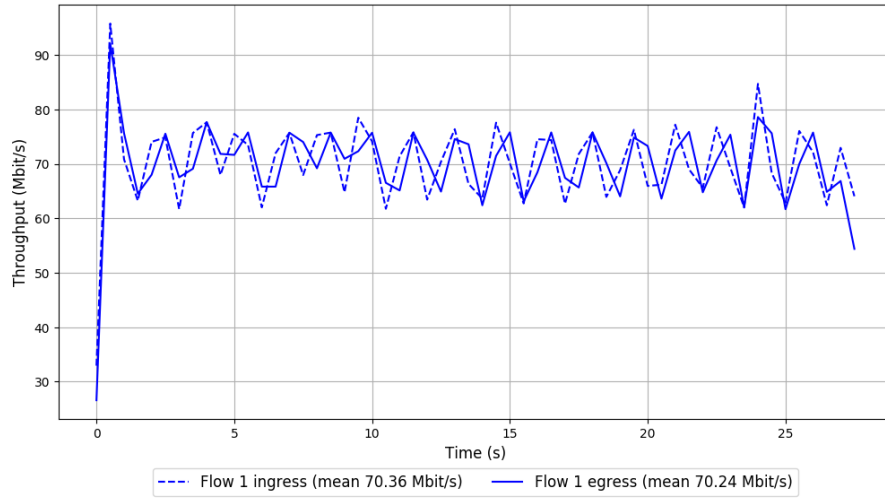
-- Flow 1:

Average throughput: 70.24 Mbit/s

95th percentile per-packet one-way delay: 52.572 ms

Loss rate: 0.50%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-08-29 10:48:25

End at: 2017-08-29 10:48:55

Local clock offset: 0.476 ms

Remote clock offset: -0.167 ms

Below is generated by plot.py at 2017-08-29 14:59:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.03 Mbit/s

95th percentile per-packet one-way delay: 52.558 ms

Loss rate: 0.53%

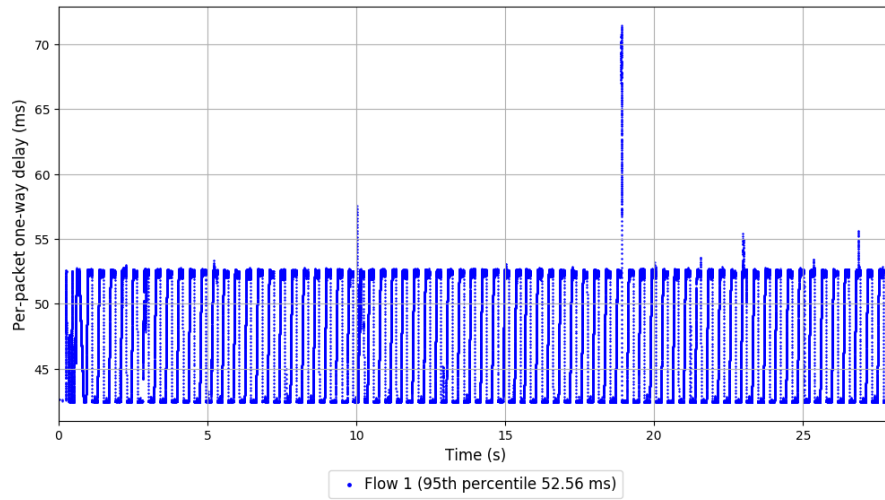
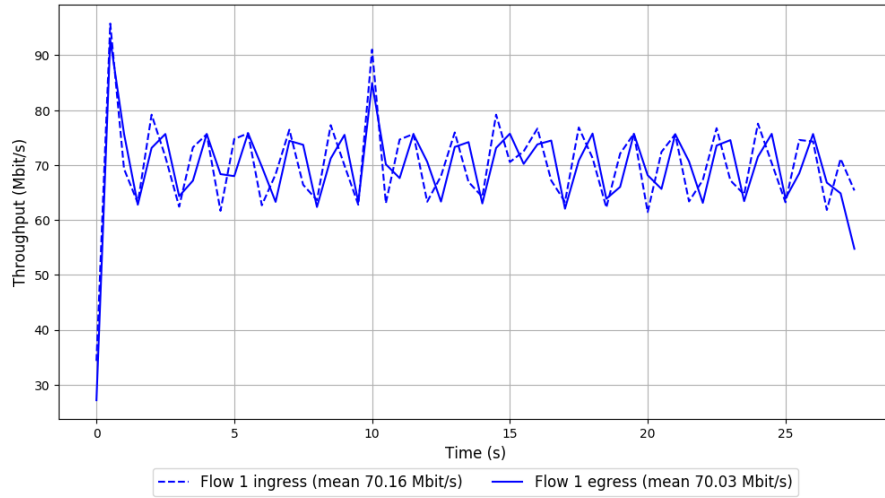
-- Flow 1:

Average throughput: 70.03 Mbit/s

95th percentile per-packet one-way delay: 52.558 ms

Loss rate: 0.53%

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



Run 1: Statistics of TCP Vegas

Start at: 2017-08-29 07:39:52

End at: 2017-08-29 07:40:22

Local clock offset: 0.765 ms

Remote clock offset: -2.771 ms

Below is generated by plot.py at 2017-08-29 15:00:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.07 Mbit/s

95th percentile per-packet one-way delay: 49.869 ms

Loss rate: 0.38%

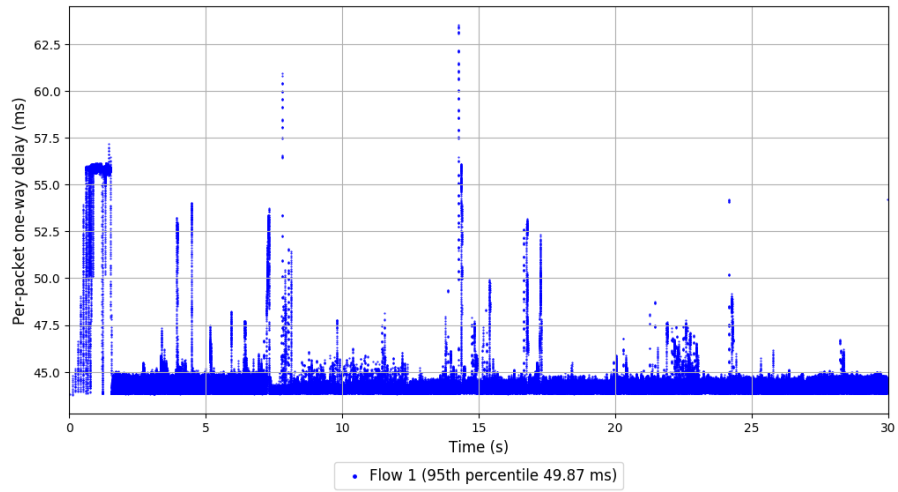
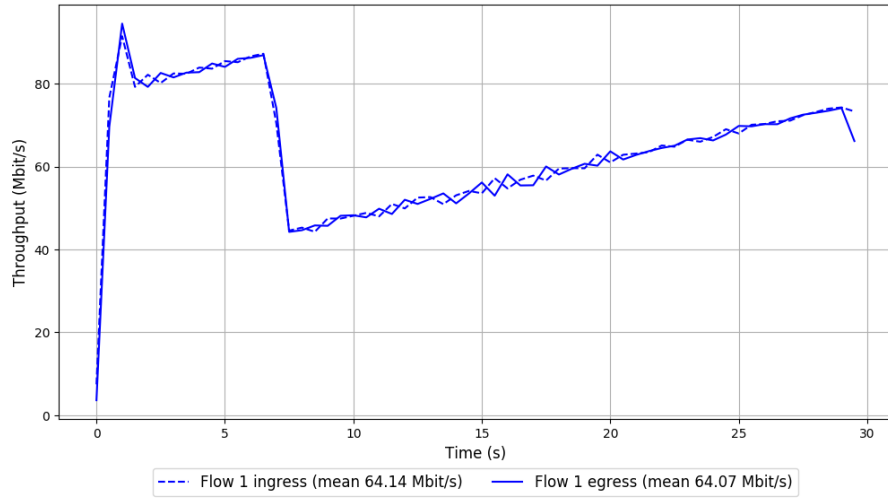
-- Flow 1:

Average throughput: 64.07 Mbit/s

95th percentile per-packet one-way delay: 49.869 ms

Loss rate: 0.38%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-08-29 08:00:15

End at: 2017-08-29 08:00:45

Local clock offset: 0.712 ms

Remote clock offset: 0.467 ms

Below is generated by plot.py at 2017-08-29 15:00:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.75 Mbit/s

95th percentile per-packet one-way delay: 48.655 ms

Loss rate: 0.34%

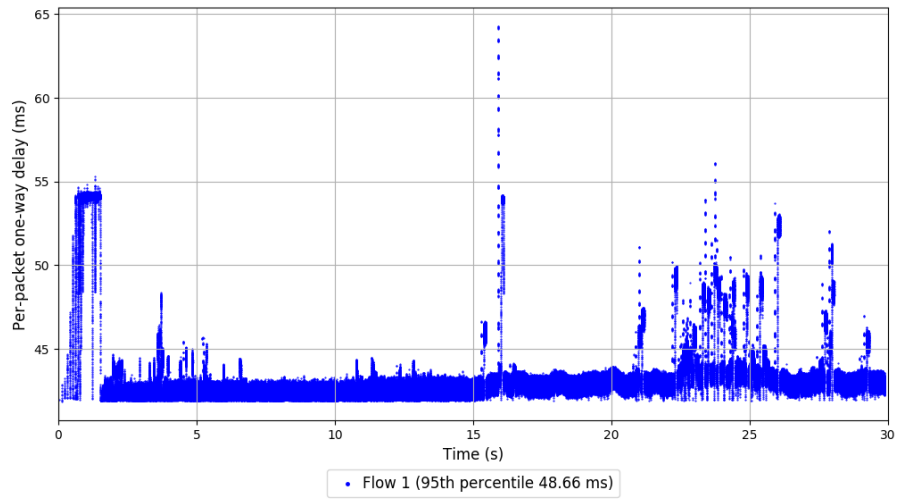
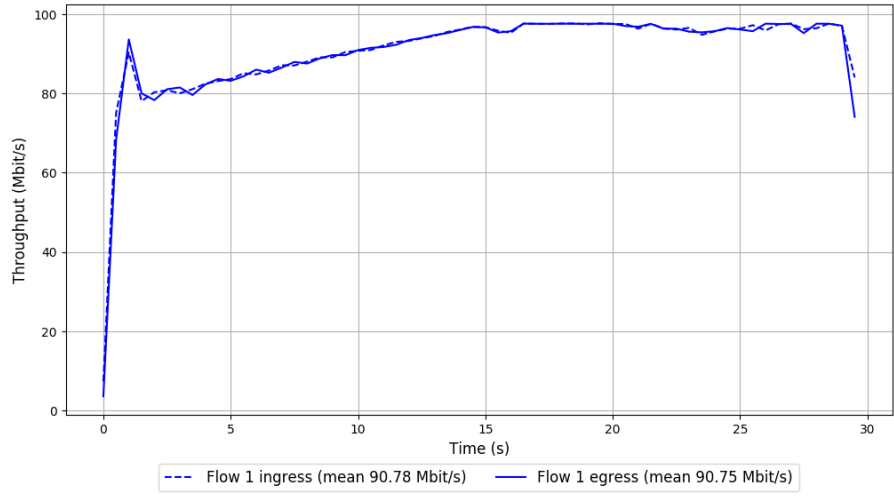
-- Flow 1:

Average throughput: 90.75 Mbit/s

95th percentile per-packet one-way delay: 48.655 ms

Loss rate: 0.34%

Run 2: Report of TCP Vegas — Data Link

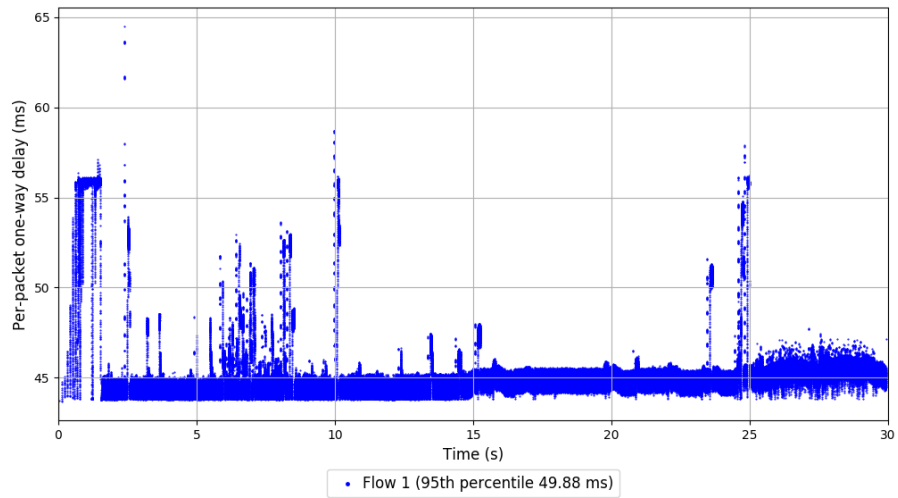
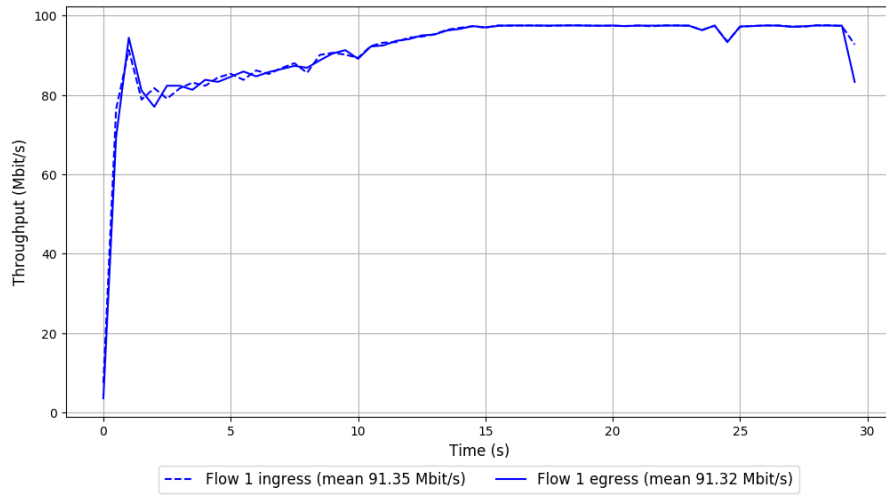


Run 3: Statistics of TCP Vegas

Start at: 2017-08-29 08:20:35
End at: 2017-08-29 08:21:05
Local clock offset: 0.695 ms
Remote clock offset: -1.586 ms

Below is generated by plot.py at 2017-08-29 15:00:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.32 Mbit/s
95th percentile per-packet one-way delay: 49.879 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 91.32 Mbit/s
95th percentile per-packet one-way delay: 49.879 ms
Loss rate: 0.33%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2017-08-29 08:40:53

End at: 2017-08-29 08:41:23

Local clock offset: 0.676 ms

Remote clock offset: -1.081 ms

Below is generated by plot.py at 2017-08-29 15:00:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.58 Mbit/s

95th percentile per-packet one-way delay: 56.842 ms

Loss rate: 0.35%

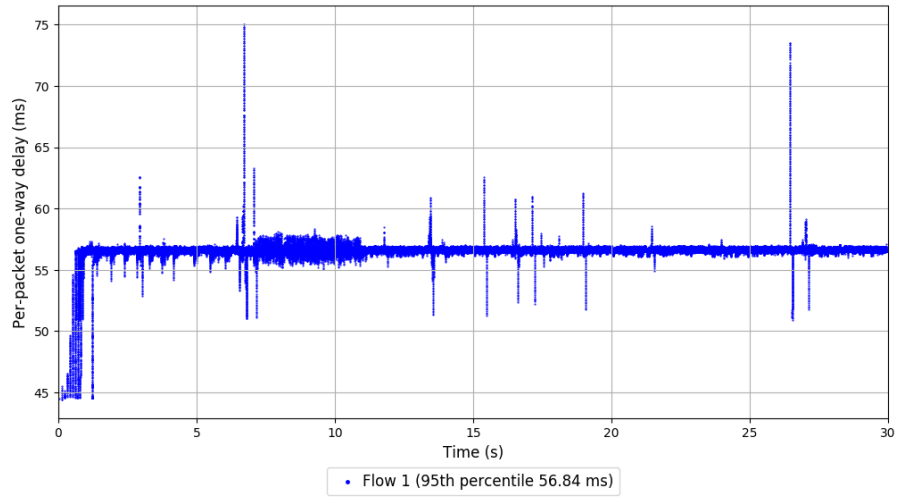
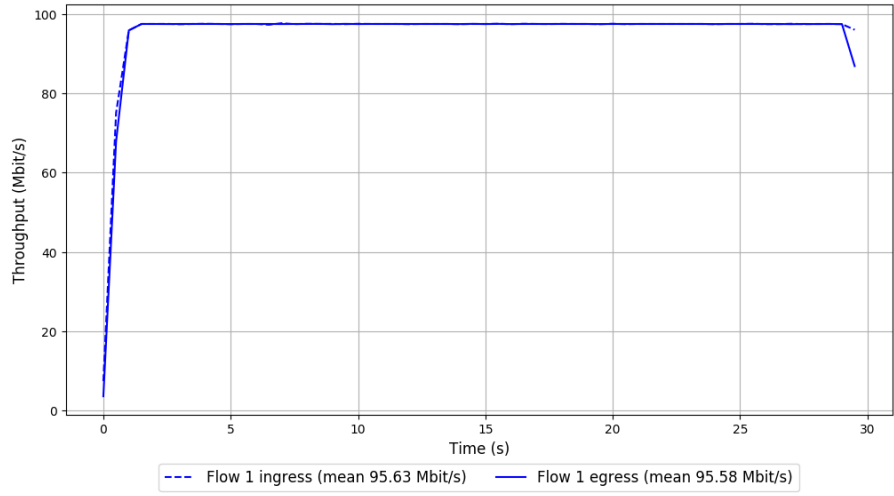
-- Flow 1:

Average throughput: 95.58 Mbit/s

95th percentile per-packet one-way delay: 56.842 ms

Loss rate: 0.35%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-08-29 09:01:13

End at: 2017-08-29 09:01:43

Local clock offset: 0.631 ms

Remote clock offset: -0.9 ms

Below is generated by plot.py at 2017-08-29 15:00:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.58 Mbit/s

95th percentile per-packet one-way delay: 55.918 ms

Loss rate: 0.35%

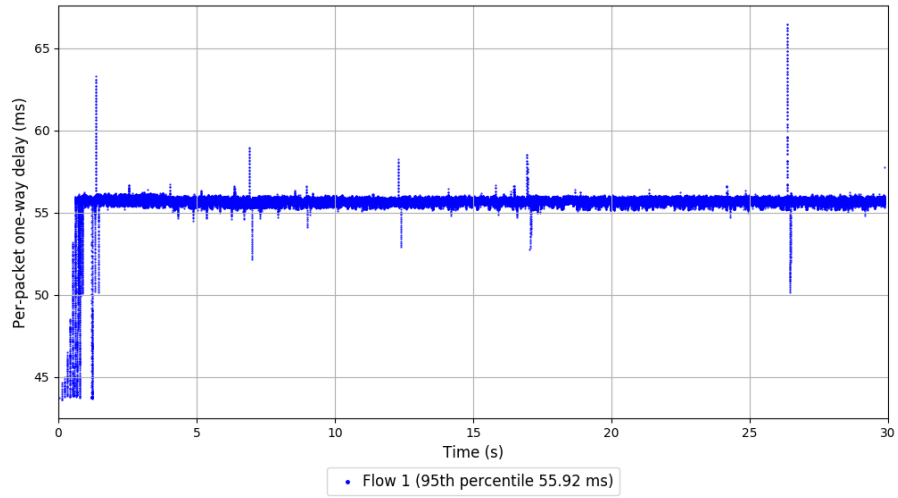
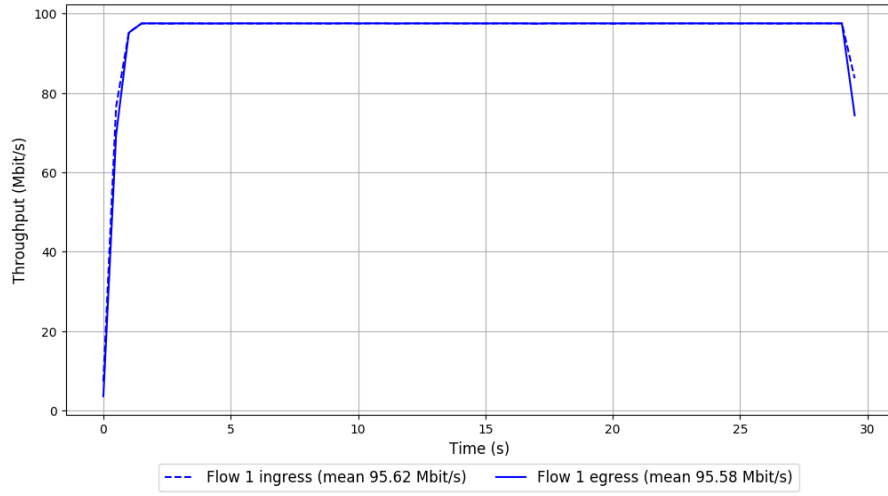
-- Flow 1:

Average throughput: 95.58 Mbit/s

95th percentile per-packet one-way delay: 55.918 ms

Loss rate: 0.35%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2017-08-29 09:21:36

End at: 2017-08-29 09:22:06

Local clock offset: 0.677 ms

Remote clock offset: 1.039 ms

Below is generated by plot.py at 2017-08-29 15:00:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 53.874 ms

Loss rate: 0.35%

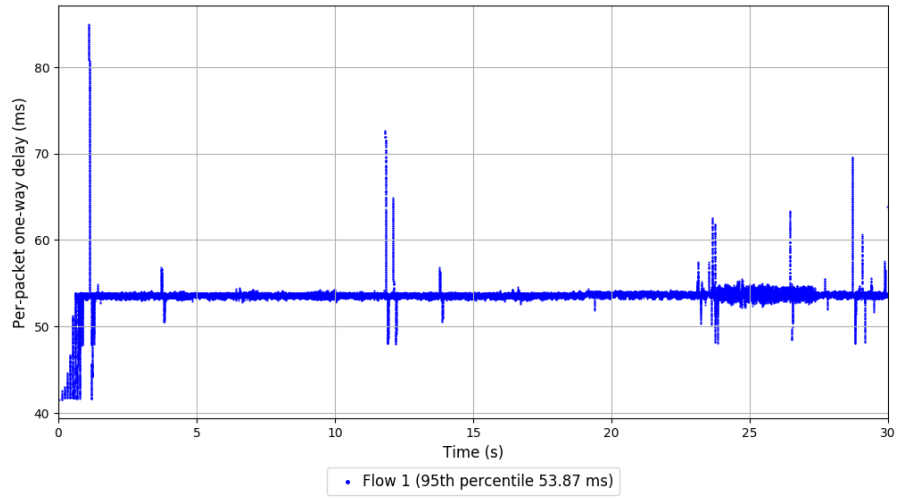
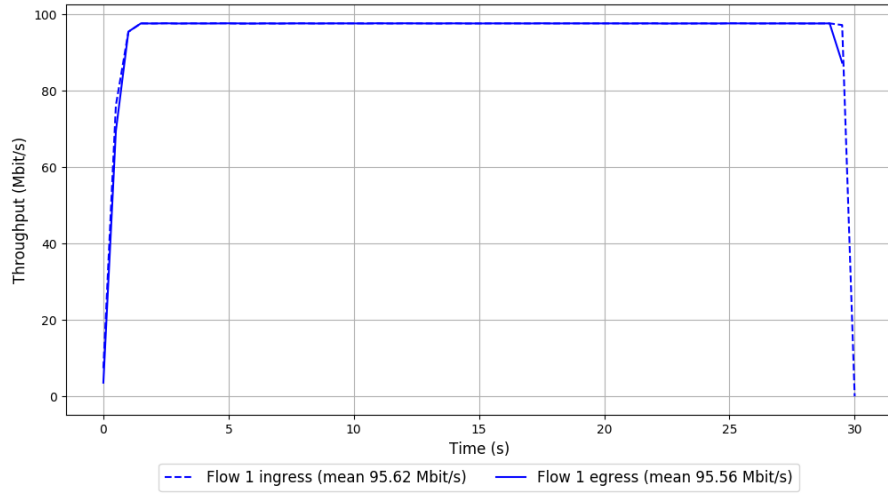
-- Flow 1:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 53.874 ms

Loss rate: 0.35%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2017-08-29 09:41:59

End at: 2017-08-29 09:42:29

Local clock offset: 0.647 ms

Remote clock offset: -1.355 ms

Below is generated by plot.py at 2017-08-29 15:00:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 56.796 ms

Loss rate: 0.36%

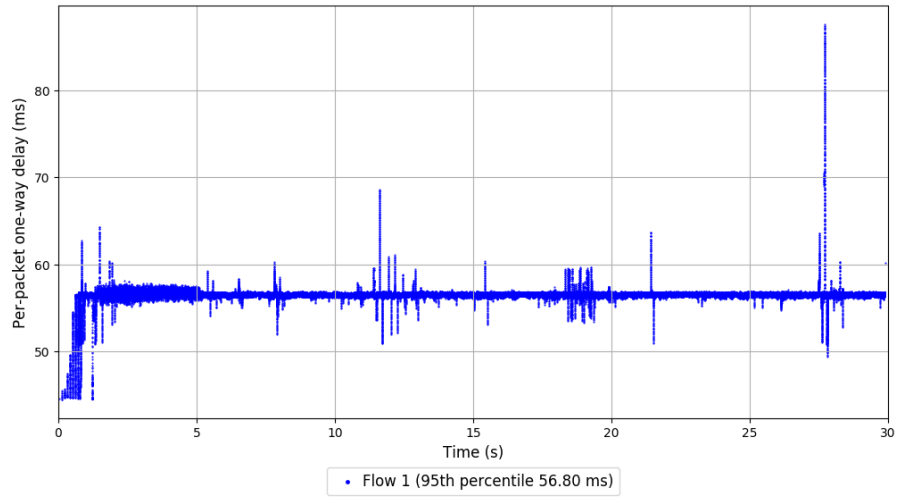
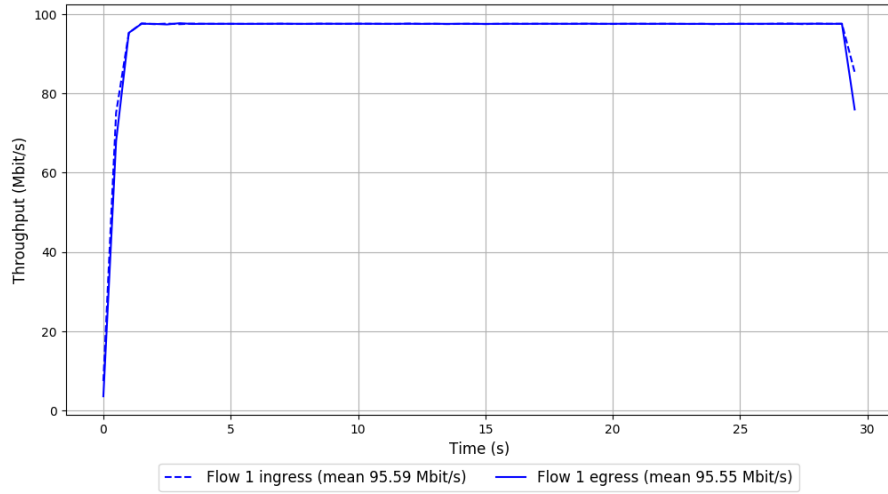
-- Flow 1:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 56.796 ms

Loss rate: 0.36%

Run 7: Report of TCP Vegas — Data Link

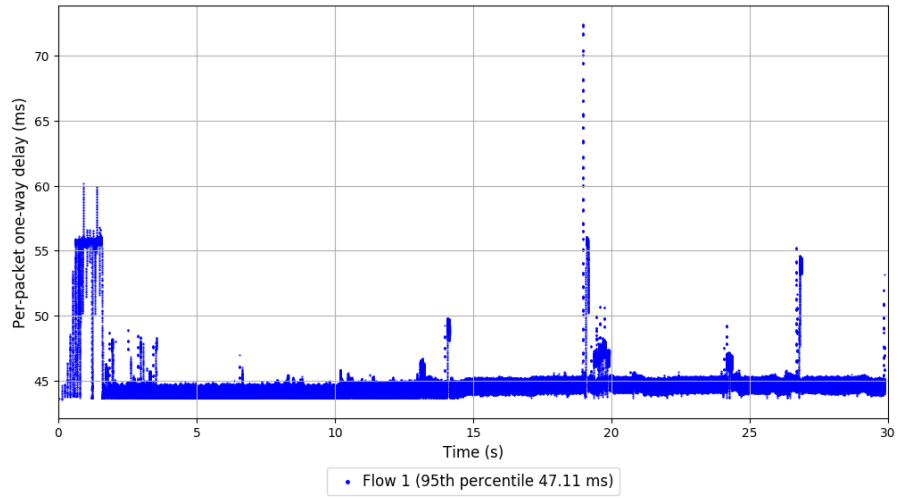
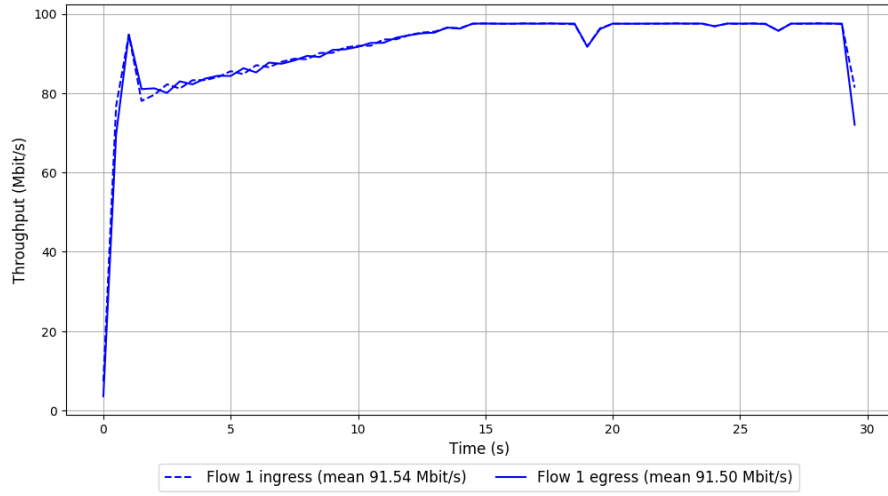


Run 8: Statistics of TCP Vegas

Start at: 2017-08-29 10:02:18
End at: 2017-08-29 10:02:48
Local clock offset: 0.499 ms
Remote clock offset: -1.369 ms

Below is generated by plot.py at 2017-08-29 15:00:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.50 Mbit/s
95th percentile per-packet one-way delay: 47.114 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 91.50 Mbit/s
95th percentile per-packet one-way delay: 47.114 ms
Loss rate: 0.33%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2017-08-29 10:22:38

End at: 2017-08-29 10:23:08

Local clock offset: 0.468 ms

Remote clock offset: -1.682 ms

Below is generated by plot.py at 2017-08-29 15:00:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.23 Mbit/s

95th percentile per-packet one-way delay: 45.890 ms

Loss rate: 0.33%

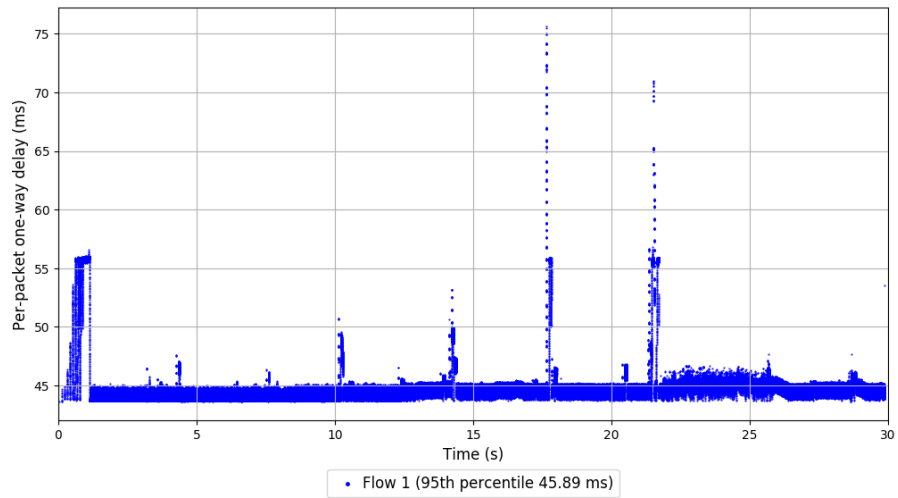
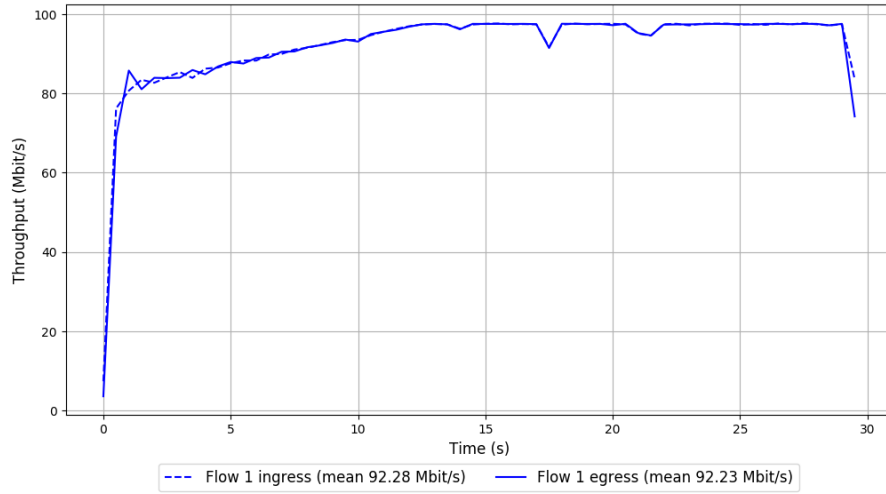
-- Flow 1:

Average throughput: 92.23 Mbit/s

95th percentile per-packet one-way delay: 45.890 ms

Loss rate: 0.33%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2017-08-29 10:42:58

End at: 2017-08-29 10:43:28

Local clock offset: 0.389 ms

Remote clock offset: -2.256 ms

Below is generated by plot.py at 2017-08-29 15:01:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 56.067 ms

Loss rate: 0.35%

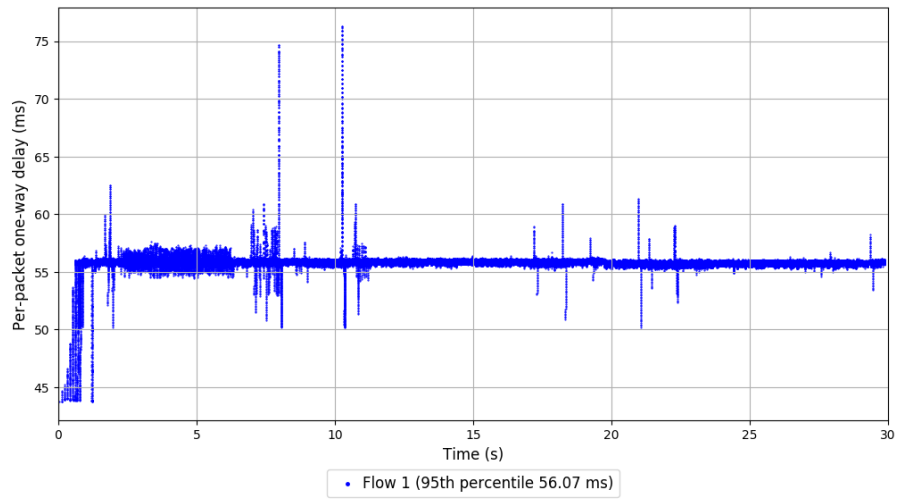
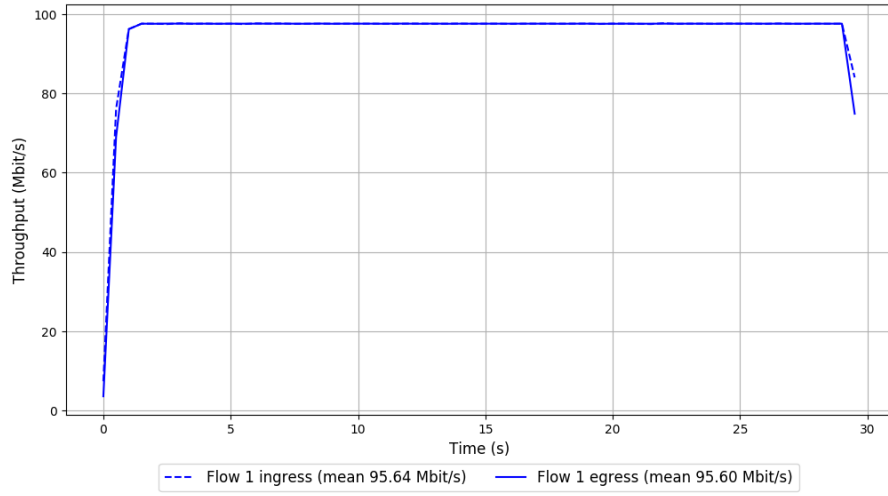
-- Flow 1:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 56.067 ms

Loss rate: 0.35%

Run 10: Report of TCP Vegas — Data Link

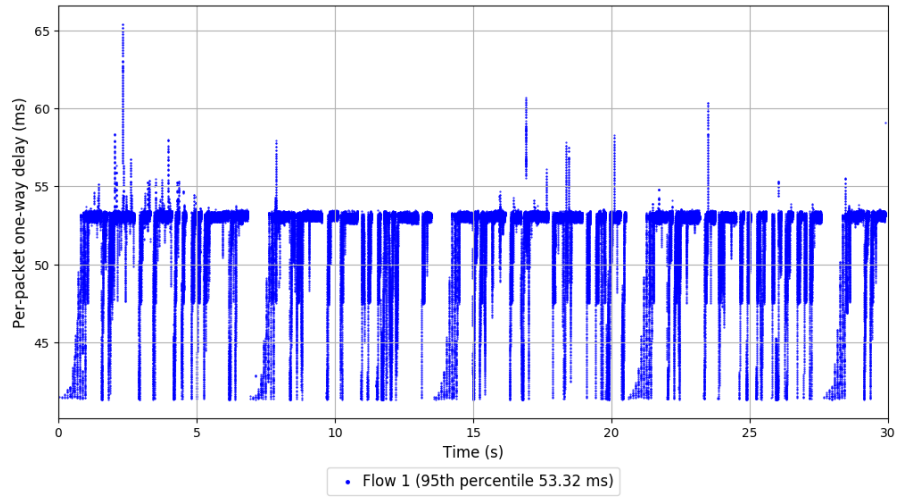
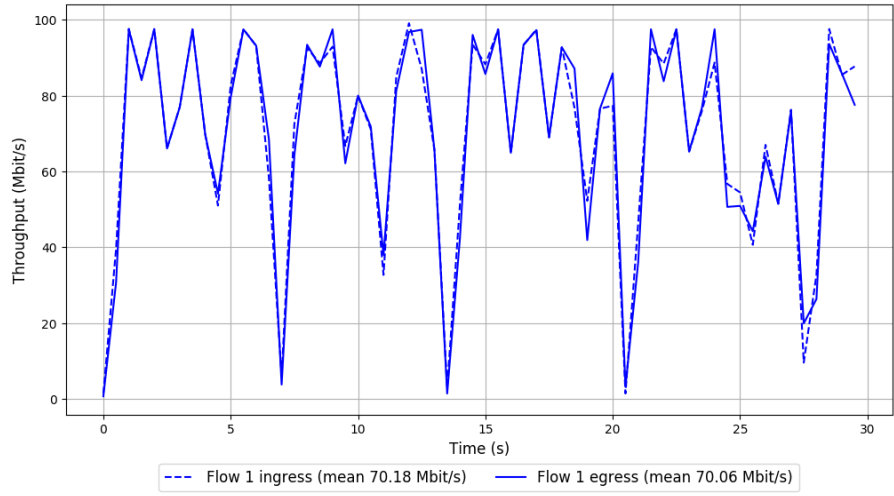


Run 1: Statistics of Verus

Start at: 2017-08-29 07:41:13
End at: 2017-08-29 07:41:43
Local clock offset: 0.735 ms
Remote clock offset: -0.272 ms

Below is generated by plot.py at 2017-08-29 15:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.06 Mbit/s
95th percentile per-packet one-way delay: 53.324 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 70.06 Mbit/s
95th percentile per-packet one-way delay: 53.324 ms
Loss rate: 0.48%

Run 1: Report of Verus — Data Link

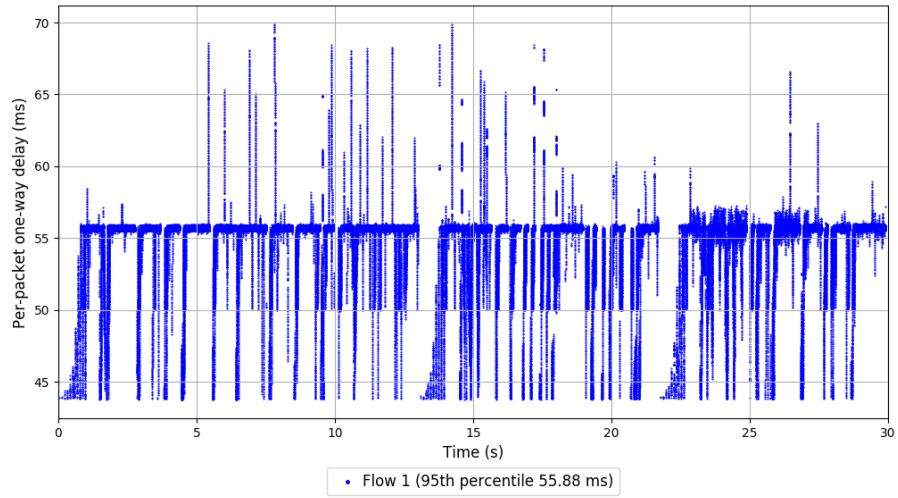
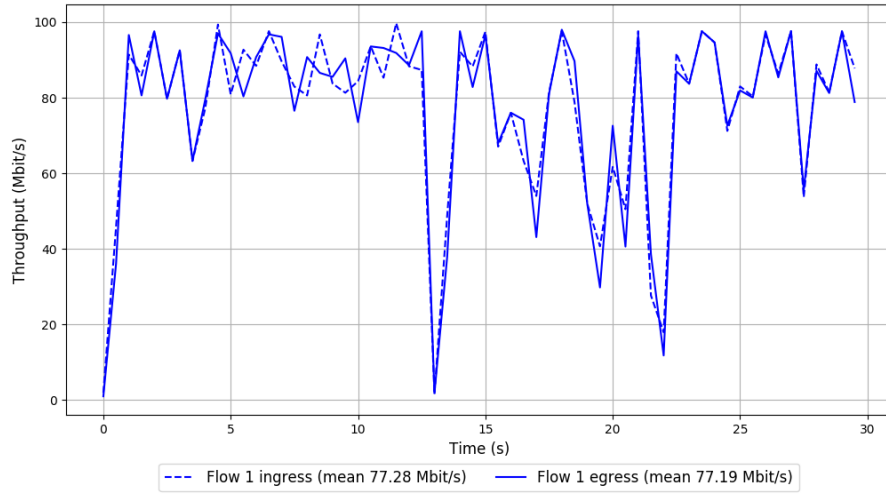


Run 2: Statistics of Verus

Start at: 2017-08-29 08:01:37
End at: 2017-08-29 08:02:07
Local clock offset: 0.743 ms
Remote clock offset: -2.018 ms

Below is generated by plot.py at 2017-08-29 15:01:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: 55.877 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: 55.877 ms
Loss rate: 0.43%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-08-29 08:21:57

End at: 2017-08-29 08:22:27

Local clock offset: 0.694 ms

Remote clock offset: 0.963 ms

Below is generated by plot.py at 2017-08-29 15:01:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.85 Mbit/s

95th percentile per-packet one-way delay: 54.293 ms

Loss rate: 0.08%

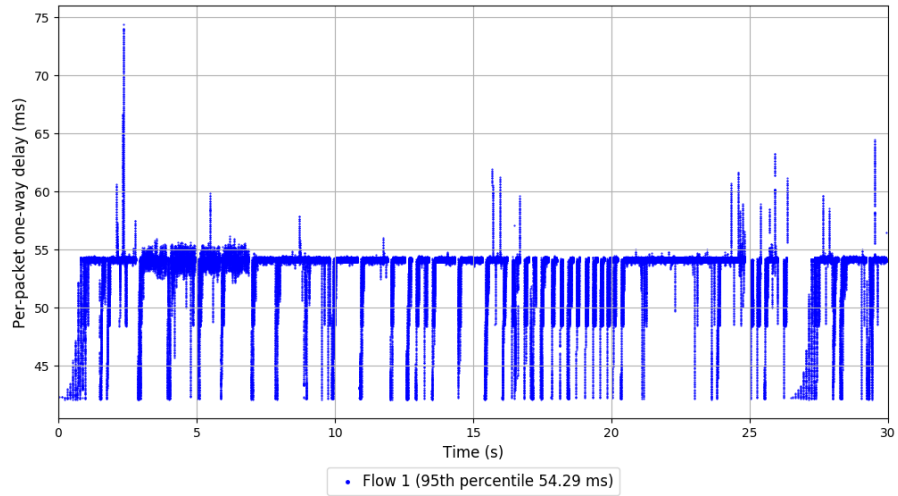
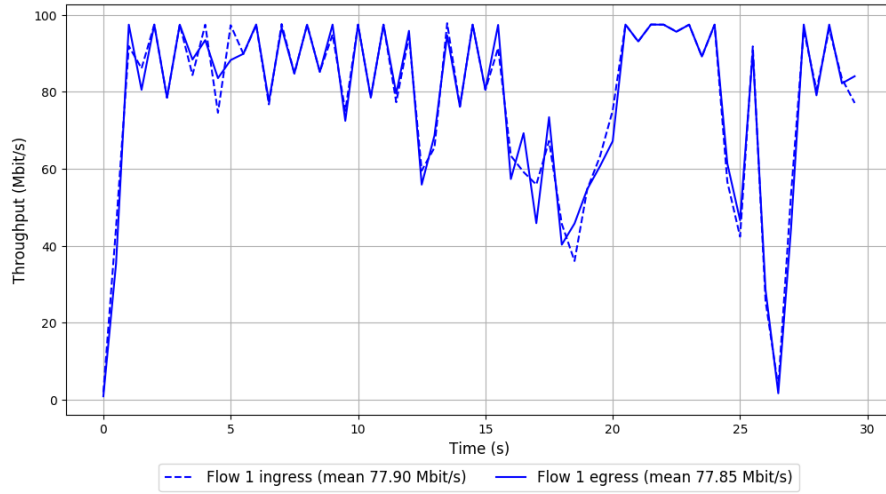
-- Flow 1:

Average throughput: 77.85 Mbit/s

95th percentile per-packet one-way delay: 54.293 ms

Loss rate: 0.08%

Run 3: Report of Verus — Data Link

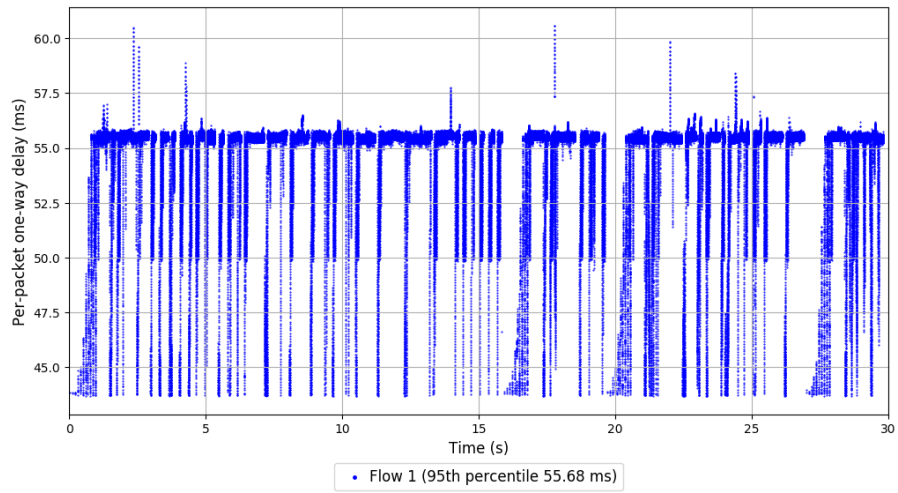
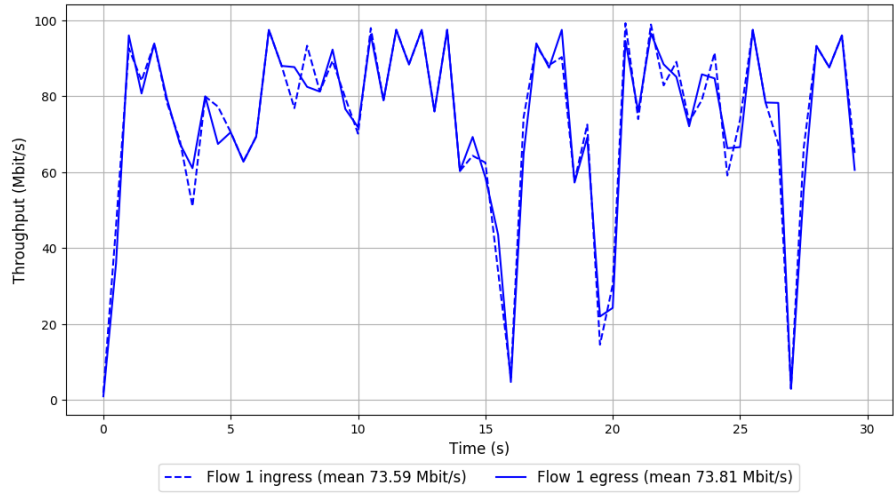


Run 4: Statistics of Verus

Start at: 2017-08-29 08:42:15
End at: 2017-08-29 08:42:45
Local clock offset: 0.564 ms
Remote clock offset: -1.168 ms

Below is generated by plot.py at 2017-08-29 15:01:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.81 Mbit/s
95th percentile per-packet one-way delay: 55.684 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 73.81 Mbit/s
95th percentile per-packet one-way delay: 55.684 ms
Loss rate: 0.35%

Run 4: Report of Verus — Data Link

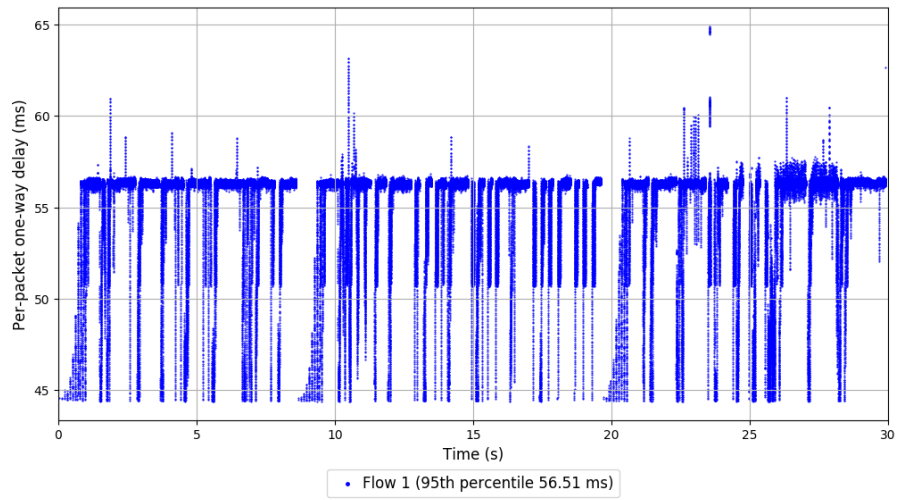
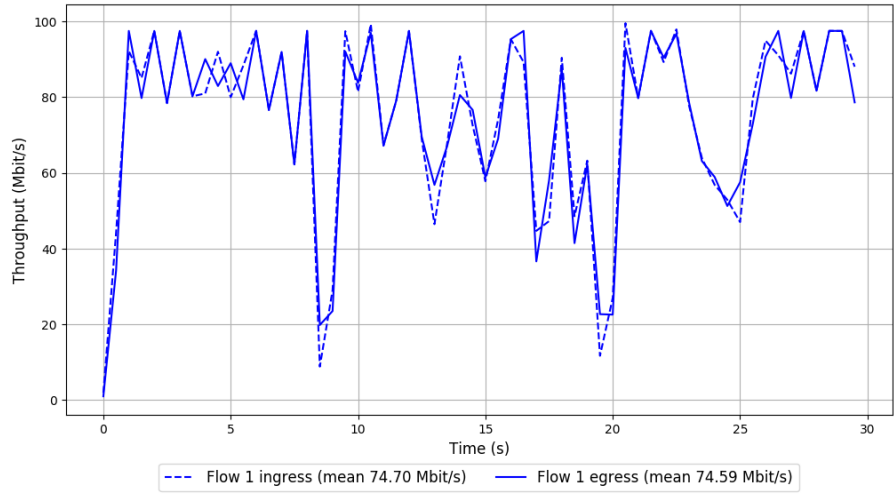


Run 5: Statistics of Verus

Start at: 2017-08-29 09:02:36
End at: 2017-08-29 09:03:06
Local clock offset: 0.703 ms
Remote clock offset: -0.838 ms

Below is generated by plot.py at 2017-08-29 15:01:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.59 Mbit/s
95th percentile per-packet one-way delay: 56.512 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 74.59 Mbit/s
95th percentile per-packet one-way delay: 56.512 ms
Loss rate: 0.46%

Run 5: Report of Verus — Data Link

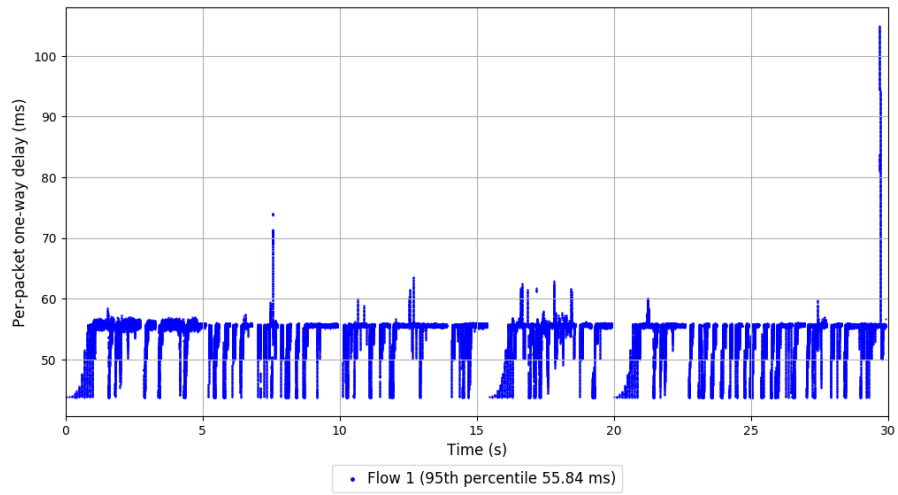
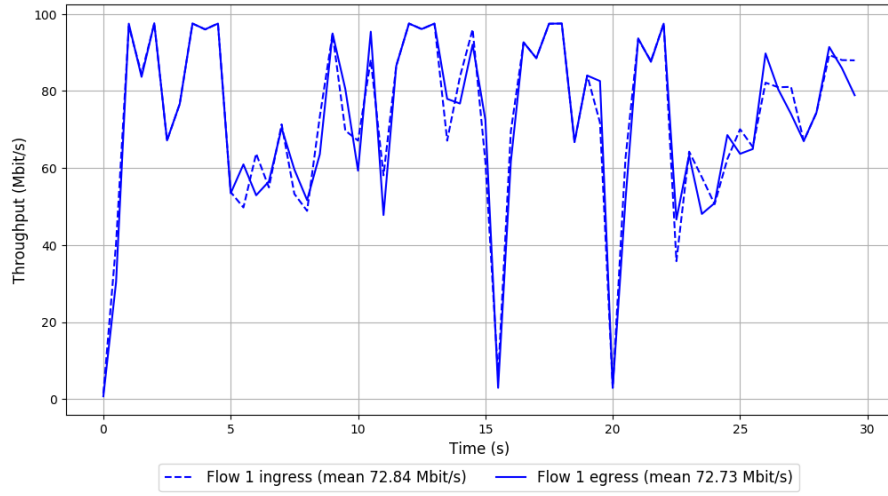


Run 6: Statistics of Verus

Start at: 2017-08-29 09:22:59
End at: 2017-08-29 09:23:29
Local clock offset: 0.691 ms
Remote clock offset: -1.094 ms

Below is generated by plot.py at 2017-08-29 15:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.73 Mbit/s
95th percentile per-packet one-way delay: 55.835 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 72.73 Mbit/s
95th percentile per-packet one-way delay: 55.835 ms
Loss rate: 0.46%

Run 6: Report of Verus — Data Link

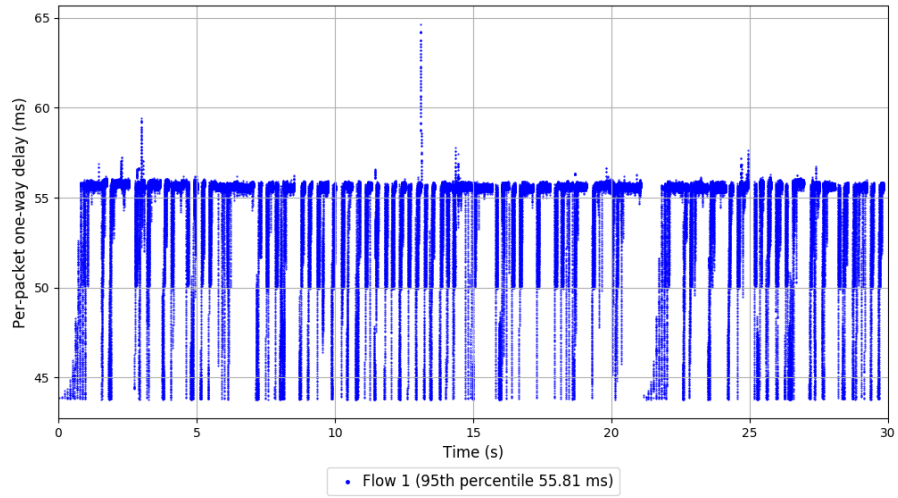
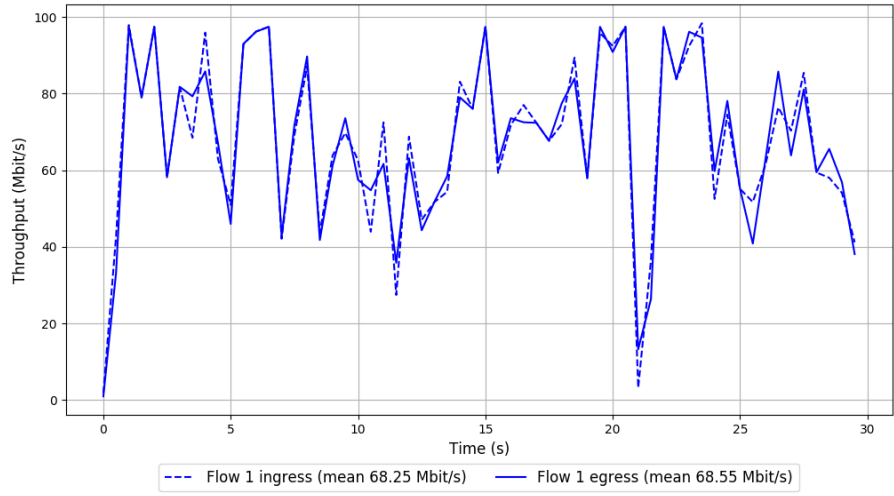


Run 7: Statistics of Verus

Start at: 2017-08-29 09:43:21
End at: 2017-08-29 09:43:51
Local clock offset: 0.619 ms
Remote clock offset: -1.277 ms

Below is generated by plot.py at 2017-08-29 15:01:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.55 Mbit/s
95th percentile per-packet one-way delay: 55.815 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 68.55 Mbit/s
95th percentile per-packet one-way delay: 55.815 ms
Loss rate: 0.09%

Run 7: Report of Verus — Data Link

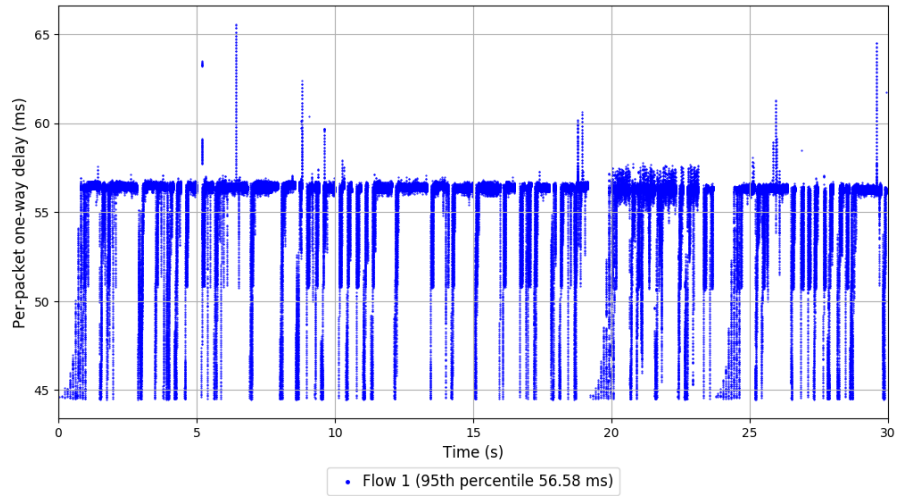
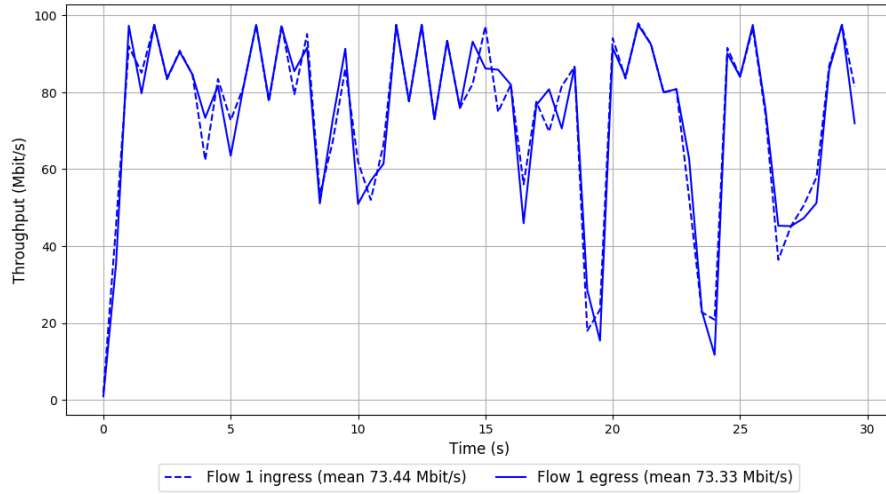


Run 8: Statistics of Verus

Start at: 2017-08-29 10:03:41
End at: 2017-08-29 10:04:11
Local clock offset: 0.589 ms
Remote clock offset: -1.302 ms

Below is generated by plot.py at 2017-08-29 15:01:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.33 Mbit/s
95th percentile per-packet one-way delay: 56.582 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 73.33 Mbit/s
95th percentile per-packet one-way delay: 56.582 ms
Loss rate: 0.46%

Run 8: Report of Verus — Data Link

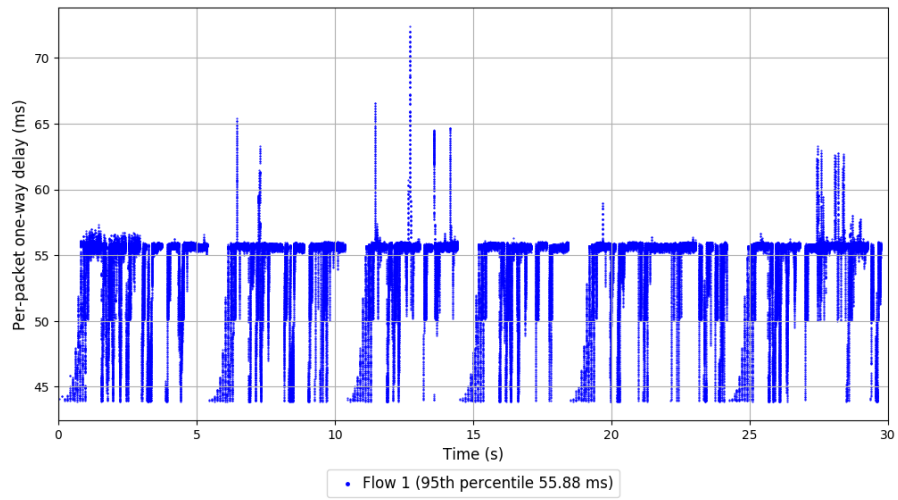
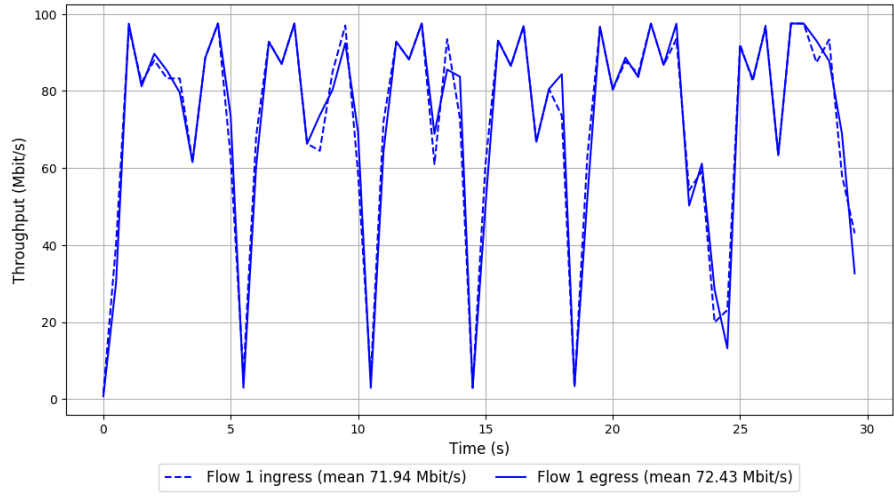


Run 9: Statistics of Verus

Start at: 2017-08-29 10:24:00
End at: 2017-08-29 10:24:30
Local clock offset: 0.578 ms
Remote clock offset: -1.833 ms

Below is generated by plot.py at 2017-08-29 15:01:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.43 Mbit/s
95th percentile per-packet one-way delay: 55.876 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 72.43 Mbit/s
95th percentile per-packet one-way delay: 55.876 ms
Loss rate: 0.24%

Run 9: Report of Verus — Data Link

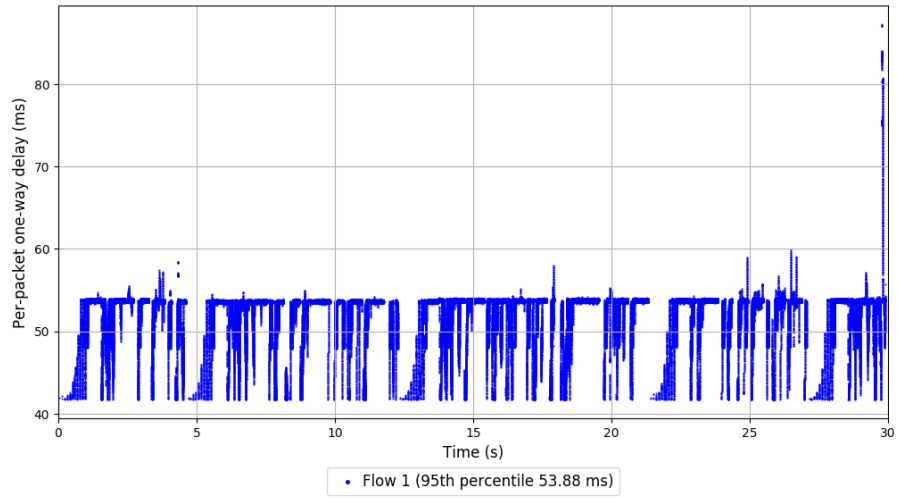
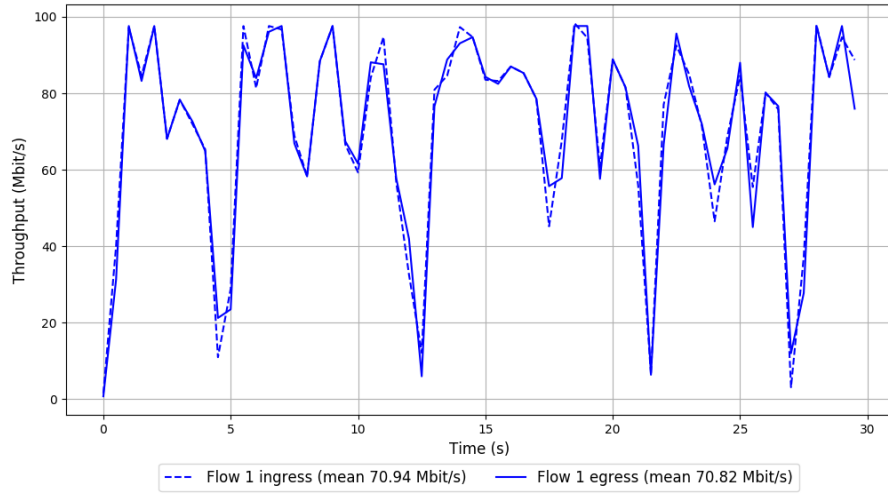


Run 10: Statistics of Verus

Start at: 2017-08-29 10:44:21
End at: 2017-08-29 10:44:51
Local clock offset: 0.481 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2017-08-29 15:01:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.82 Mbit/s
95th percentile per-packet one-way delay: 53.885 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 70.82 Mbit/s
95th percentile per-packet one-way delay: 53.885 ms
Loss rate: 0.48%

Run 10: Report of Verus — Data Link

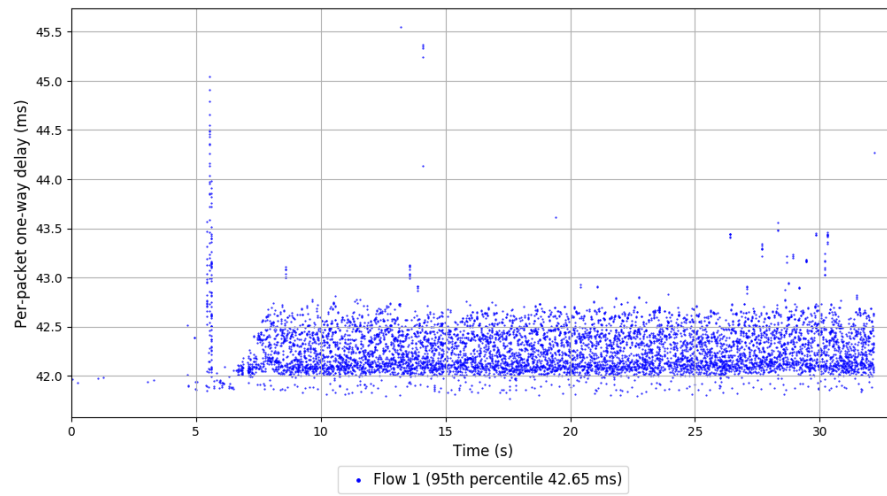
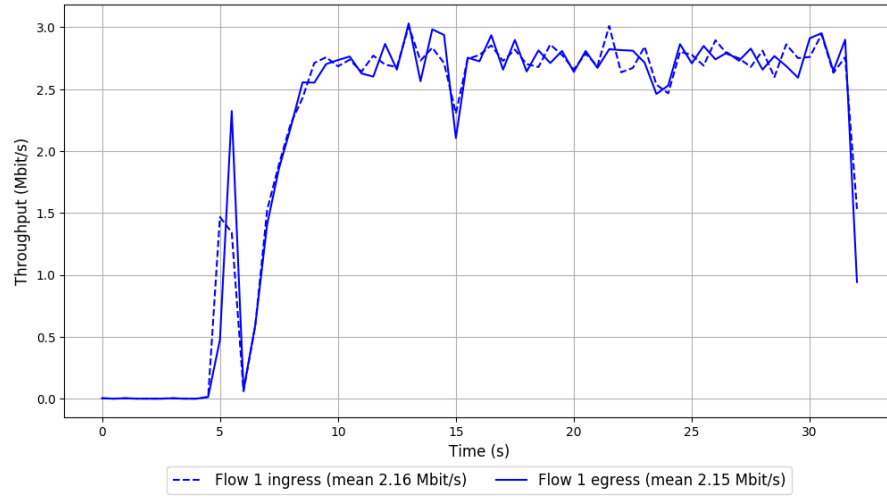


Run 1: Statistics of WebRTC media

Start at: 2017-08-29 07:42:35
End at: 2017-08-29 07:43:05
Local clock offset: 0.749 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2017-08-29 15:01:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 42.651 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 42.651 ms
Loss rate: 0.48%

Run 1: Report of WebRTC media — Data Link

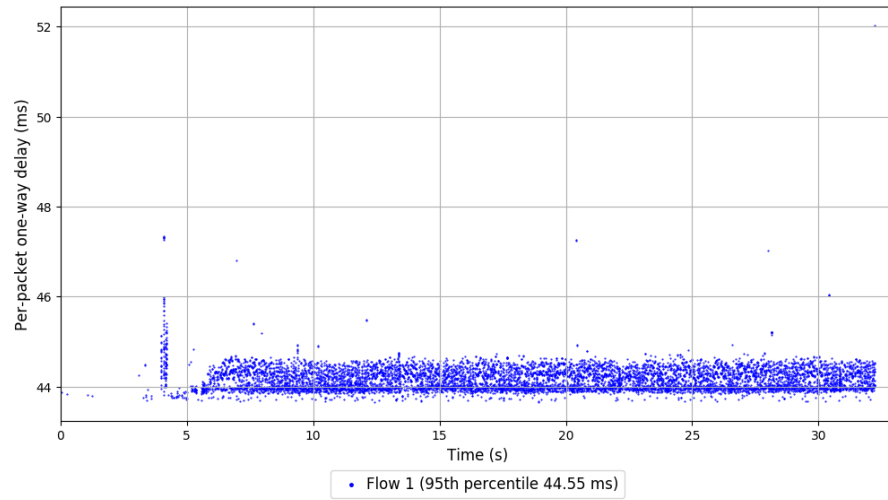
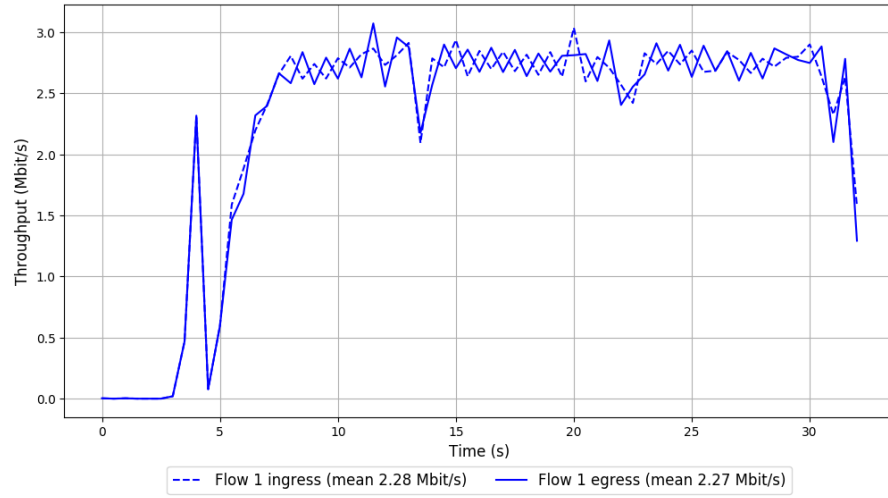


Run 2: Statistics of WebRTC media

Start at: 2017-08-29 08:03:01
End at: 2017-08-29 08:03:31
Local clock offset: 0.721 ms
Remote clock offset: -2.111 ms

Below is generated by plot.py at 2017-08-29 15:01:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 44.554 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 44.554 ms
Loss rate: 0.34%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-08-29 08:23:20

End at: 2017-08-29 08:23:50

Local clock offset: 0.603 ms

Remote clock offset: 0.628 ms

Below is generated by plot.py at 2017-08-29 15:01:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 43.007 ms

Loss rate: 0.31%

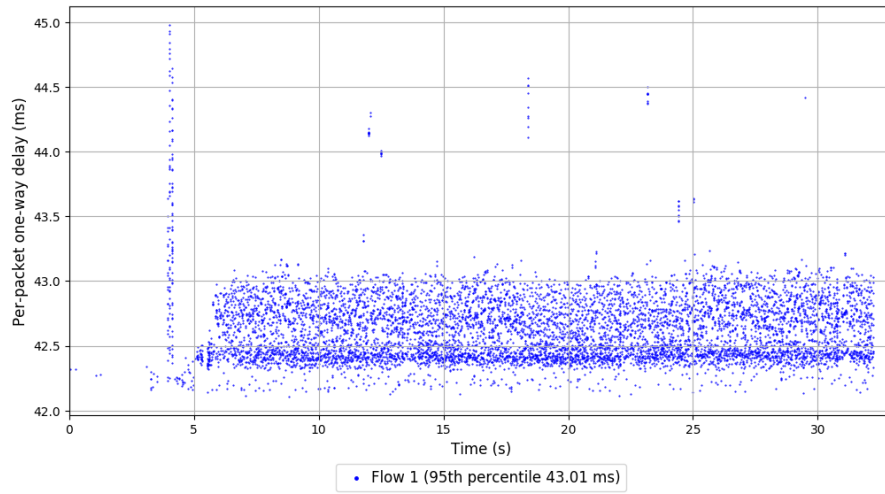
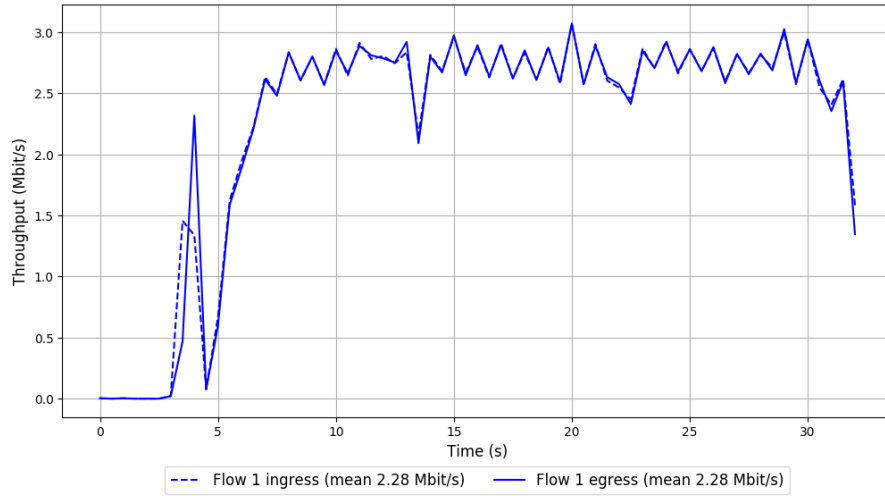
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 43.007 ms

Loss rate: 0.31%

Run 3: Report of WebRTC media — Data Link

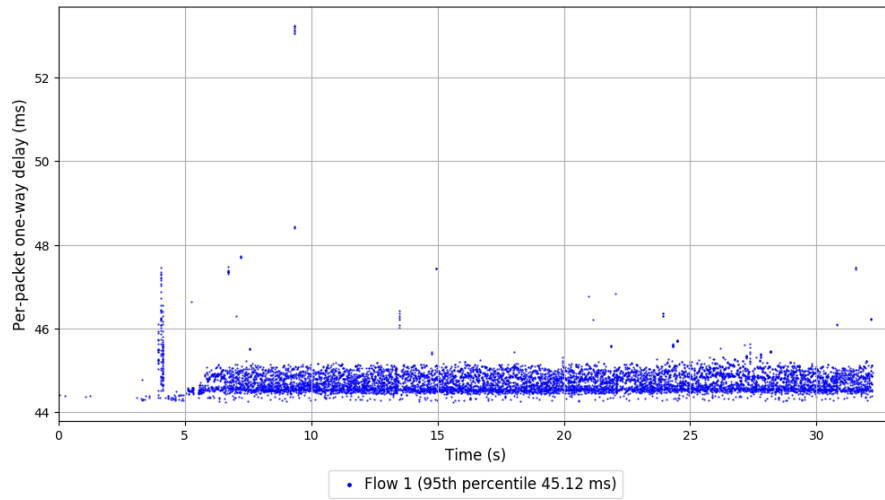
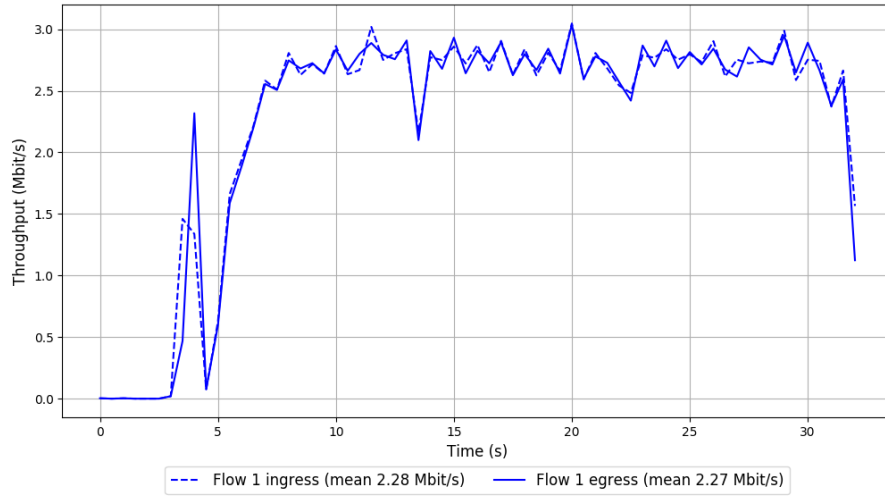


Run 4: Statistics of WebRTC media

Start at: 2017-08-29 08:43:38
End at: 2017-08-29 08:44:08
Local clock offset: 0.654 ms
Remote clock offset: -1.058 ms

Below is generated by plot.py at 2017-08-29 15:01:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 45.118 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 45.118 ms
Loss rate: 0.45%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-08-29 09:03:58

End at: 2017-08-29 09:04:28

Local clock offset: 0.625 ms

Remote clock offset: 1.506 ms

Below is generated by plot.py at 2017-08-29 15:01:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 42.660 ms

Loss rate: 0.36%

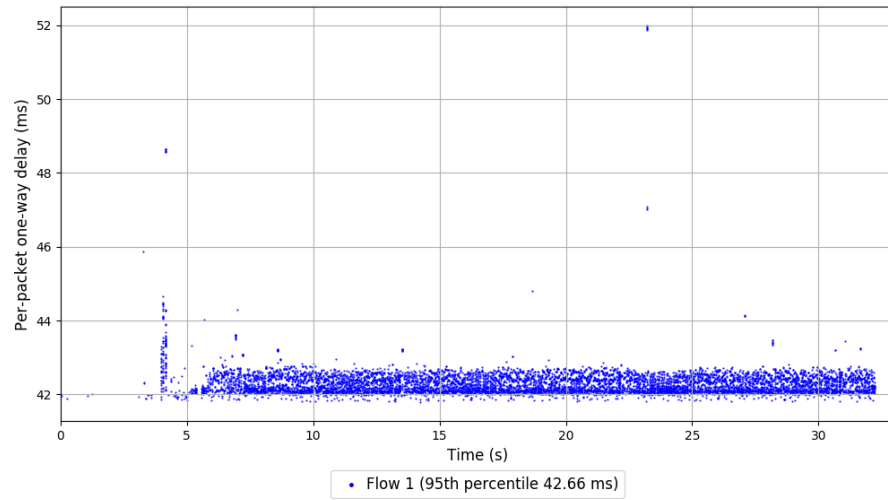
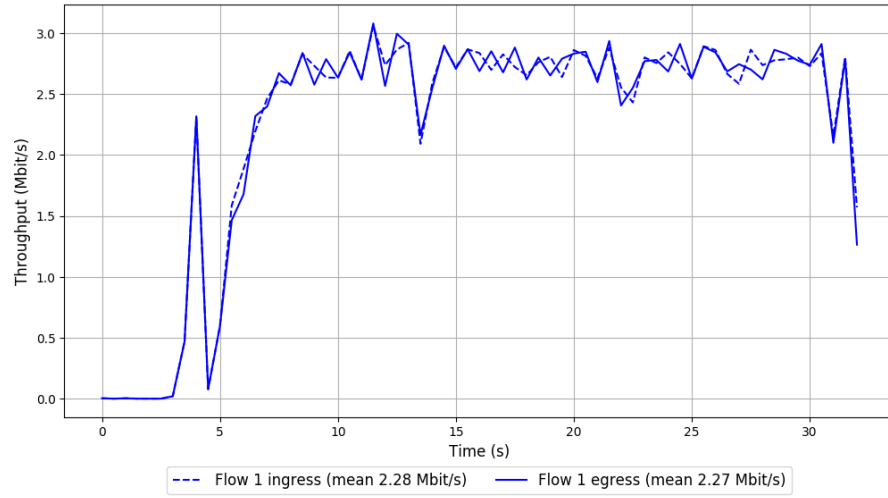
-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 42.660 ms

Loss rate: 0.36%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-08-29 09:24:22

End at: 2017-08-29 09:24:52

Local clock offset: 0.592 ms

Remote clock offset: -1.136 ms

Below is generated by plot.py at 2017-08-29 15:01:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 44.313 ms

Loss rate: 0.31%

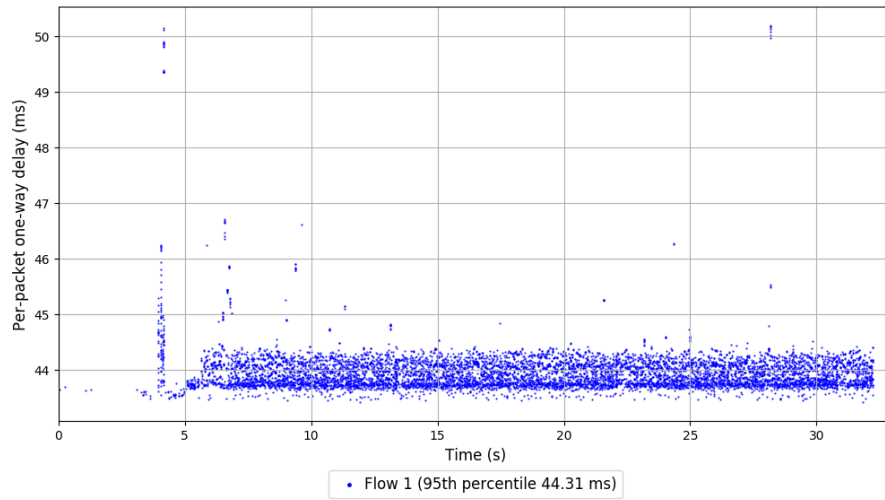
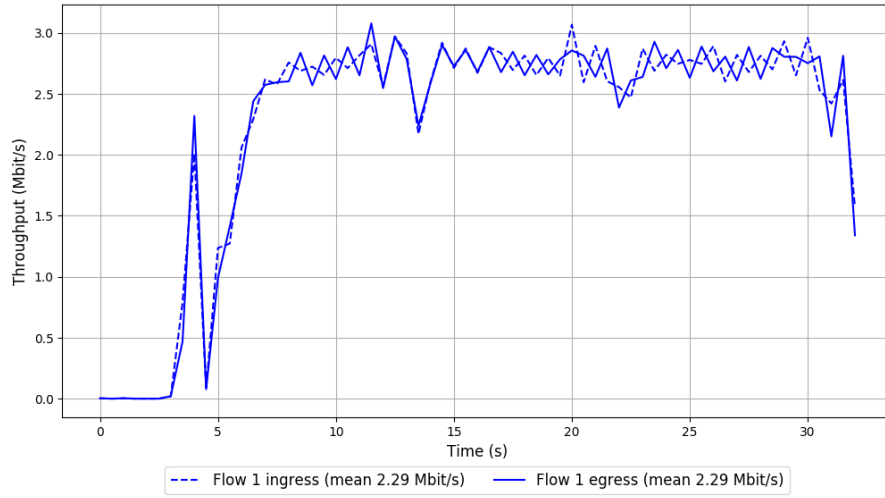
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 44.313 ms

Loss rate: 0.31%

Run 6: Report of WebRTC media — Data Link

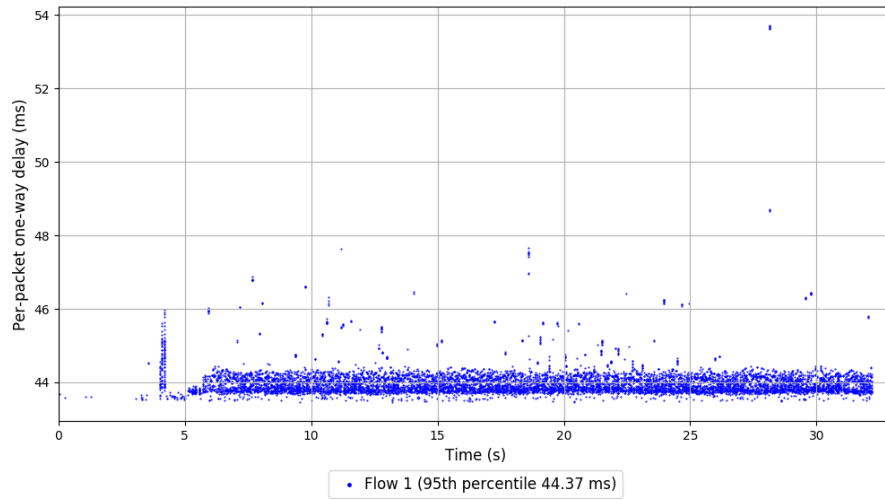
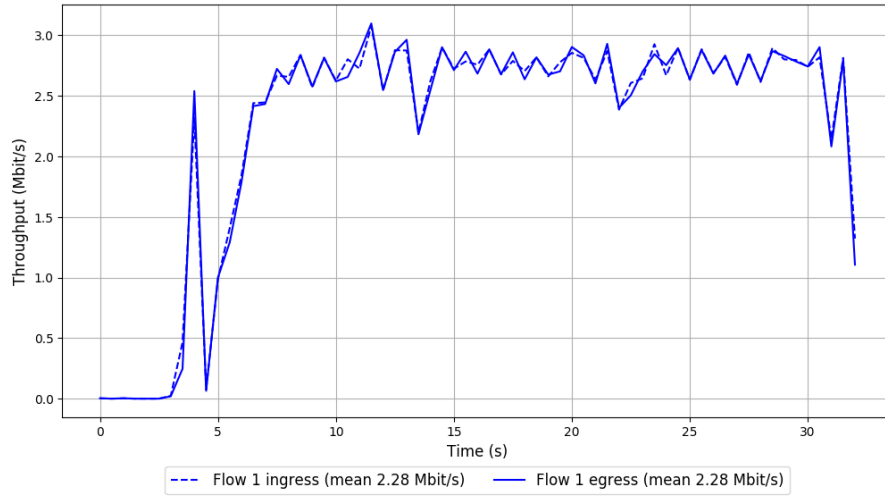


Run 7: Statistics of WebRTC media

Start at: 2017-08-29 09:44:43
End at: 2017-08-29 09:45:13
Local clock offset: 0.628 ms
Remote clock offset: -1.186 ms

Below is generated by plot.py at 2017-08-29 15:01:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 44.371 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 44.371 ms
Loss rate: 0.29%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-08-29 10:05:03

End at: 2017-08-29 10:05:33

Local clock offset: 0.601 ms

Remote clock offset: 1.205 ms

Below is generated by plot.py at 2017-08-29 15:01:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 41.976 ms

Loss rate: 0.40%

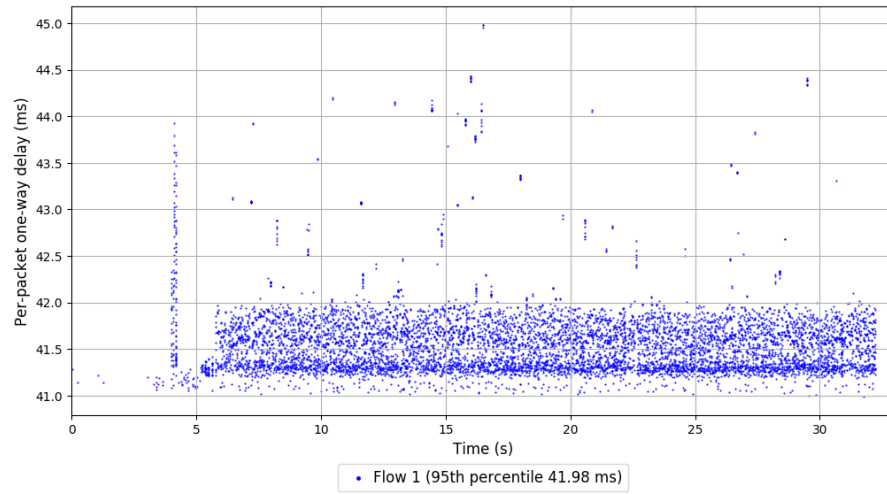
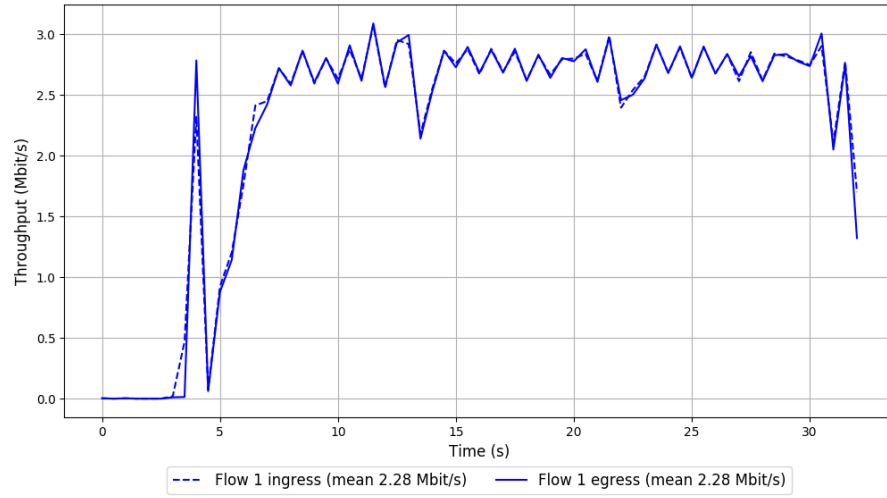
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 41.976 ms

Loss rate: 0.40%

Run 8: Report of WebRTC media — Data Link

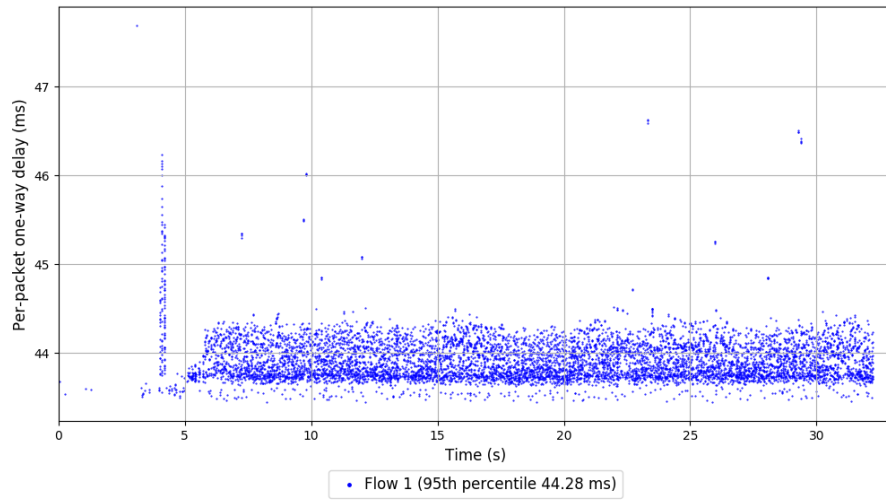
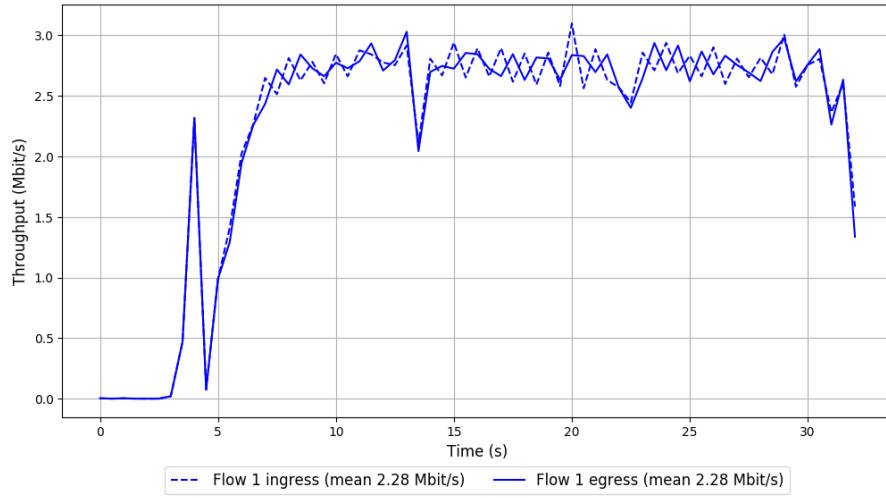


Run 9: Statistics of WebRTC media

Start at: 2017-08-29 10:25:23
End at: 2017-08-29 10:25:53
Local clock offset: 0.537 ms
Remote clock offset: -1.716 ms

Below is generated by plot.py at 2017-08-29 15:01:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 44.281 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 44.281 ms
Loss rate: 0.31%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-08-29 10:45:43

End at: 2017-08-29 10:46:13

Local clock offset: 0.458 ms

Remote clock offset: 0.273 ms

Below is generated by plot.py at 2017-08-29 15:01:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 41.899 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 41.899 ms

Loss rate: 0.38%

Run 10: Report of WebRTC media — Data Link

