

Pantheon Report

Generated at 2017-09-17 16:23:51 (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).

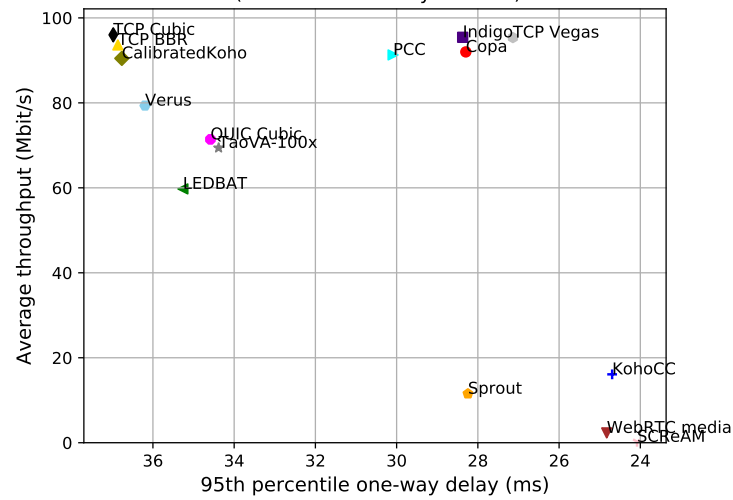
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

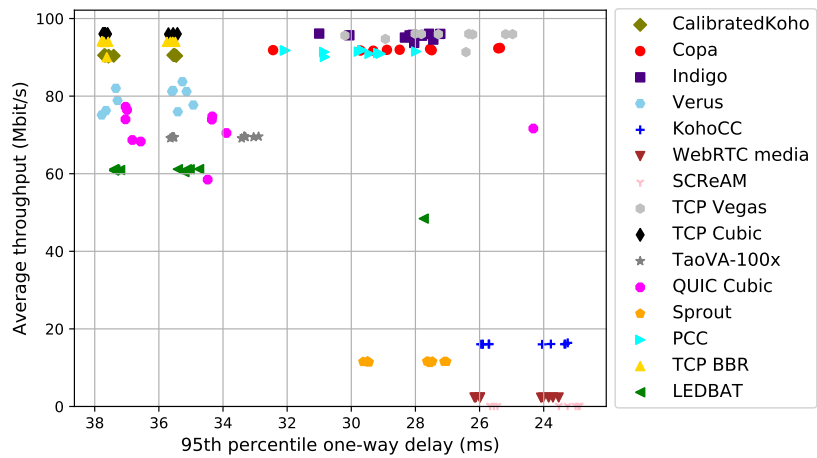
Git summary:

```
branch: master @ 57453dc11f8da93a2e03eea75289fea01b816298
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
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) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	93.64	36.86	0.30
CalibratedKoho	10	90.47	36.77	0.27
Copa	9	91.99	28.30	0.28
TCP Cubic	9	96.01	36.98	0.29
Indigo	10	95.43	28.37	0.28
KohoCC	10	16.10	24.69	0.25
LEDBAT	10	59.75	35.26	0.43
PCC	10	91.28	30.09	0.26
QUIC Cubic	10	71.41	34.58	0.32
SCReAM	10	0.22	24.08	0.21
Sprout	10	11.54	28.24	0.25
TaoVA-100x	10	69.41	34.38	0.33
TCP Vegas	10	95.36	27.14	0.25
Verus	10	79.36	36.20	0.33
WebRTC media	9	2.31	24.83	0.29

Run 1: Statistics of TCP BBR

Start at: 2017-09-17 09:26:44

End at: 2017-09-17 09:27:14

Local clock offset: -2.795 ms

Remote clock offset: -2.791 ms

Below is generated by plot.py at 2017-09-17 16:04:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.18 Mbit/s

95th percentile per-packet one-way delay: 37.780 ms

Loss rate: 0.29%

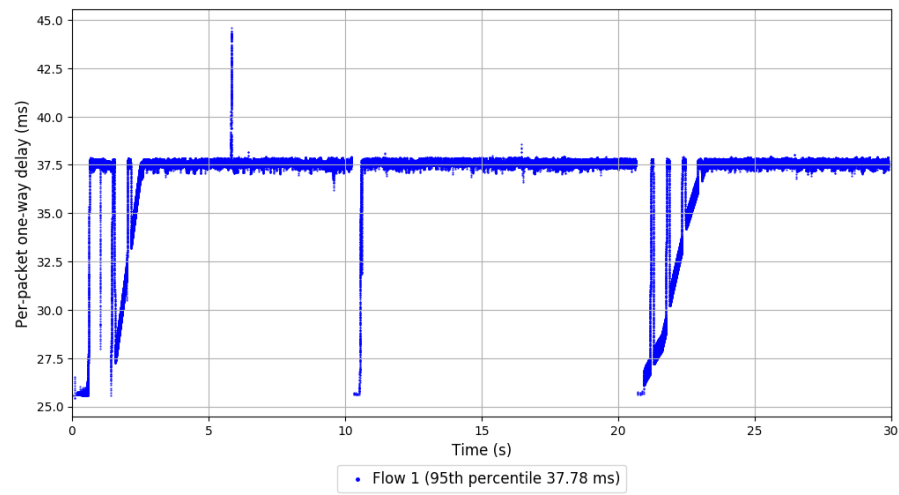
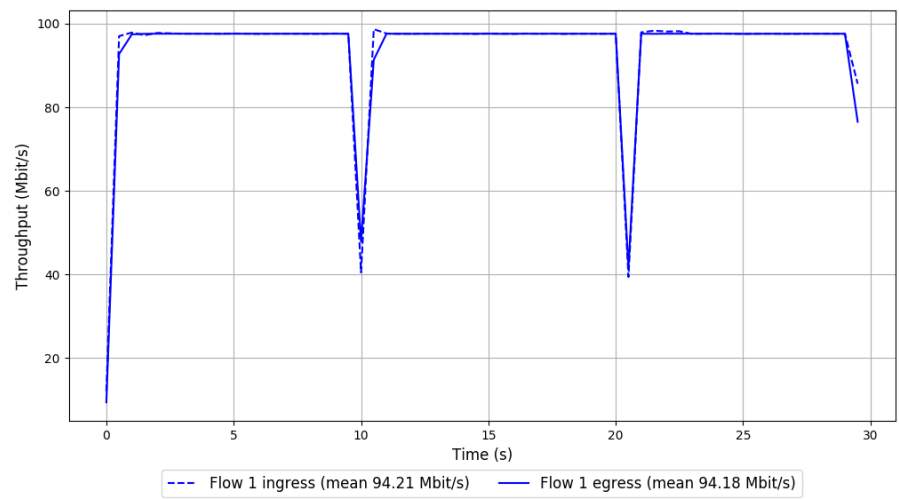
-- Flow 1:

Average throughput: 94.18 Mbit/s

95th percentile per-packet one-way delay: 37.780 ms

Loss rate: 0.29%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-09-17 09:46:44

End at: 2017-09-17 09:47:14

Local clock offset: -2.215 ms

Remote clock offset: -2.078 ms

Below is generated by plot.py at 2017-09-17 16:04:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 37.760 ms

Loss rate: 0.29%

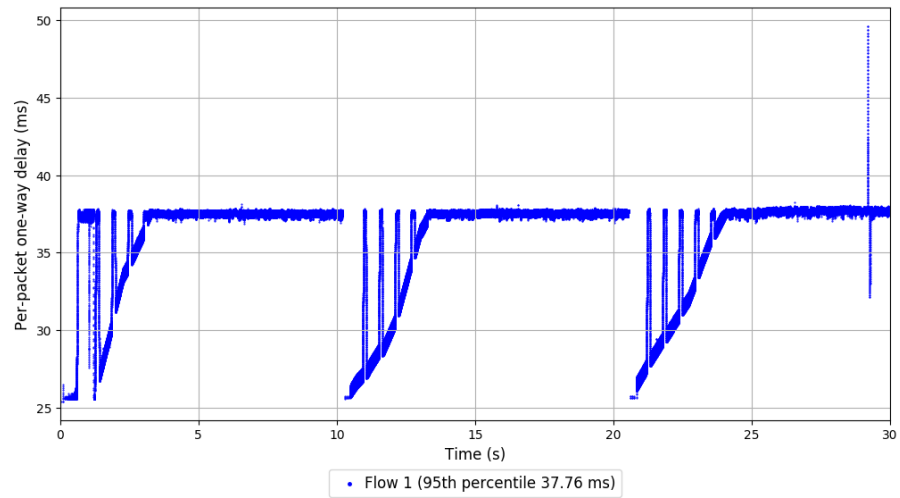
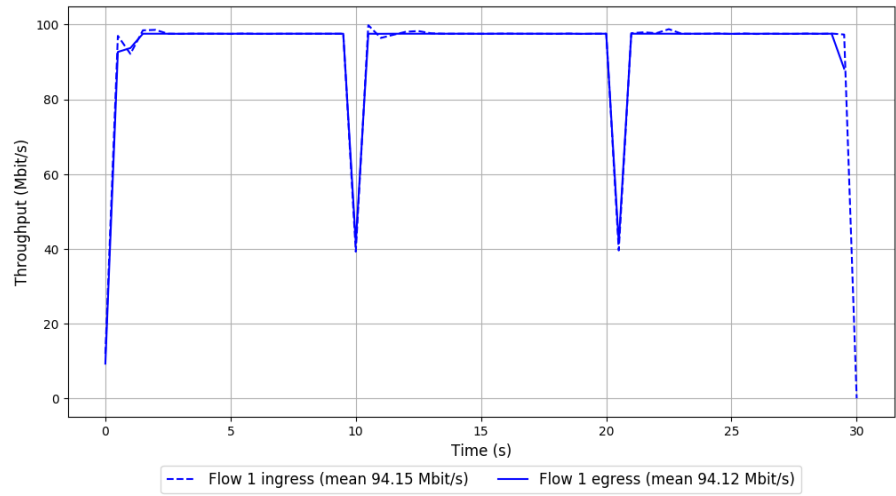
-- Flow 1:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 37.760 ms

Loss rate: 0.29%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-09-17 10:06:47

End at: 2017-09-17 10:07:17

Local clock offset: -2.715 ms

Remote clock offset: 0.411 ms

Below is generated by plot.py at 2017-09-17 16:04:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.00 Mbit/s

95th percentile per-packet one-way delay: 35.747 ms

Loss rate: 0.30%

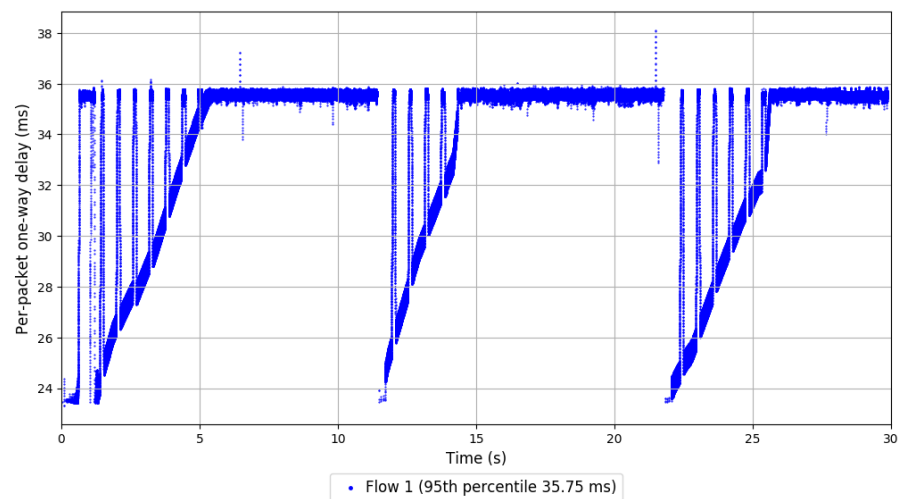
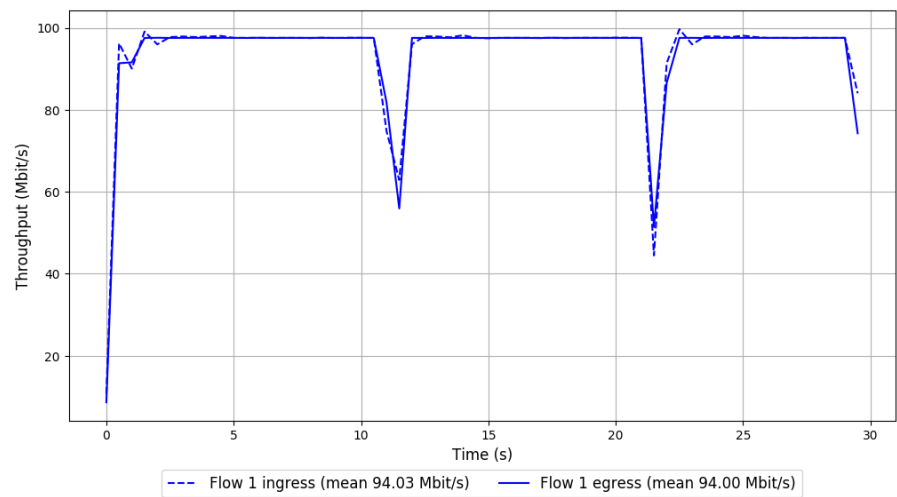
-- Flow 1:

Average throughput: 94.00 Mbit/s

95th percentile per-packet one-way delay: 35.747 ms

Loss rate: 0.30%

Run 3: Report of TCP BBR — Data Link

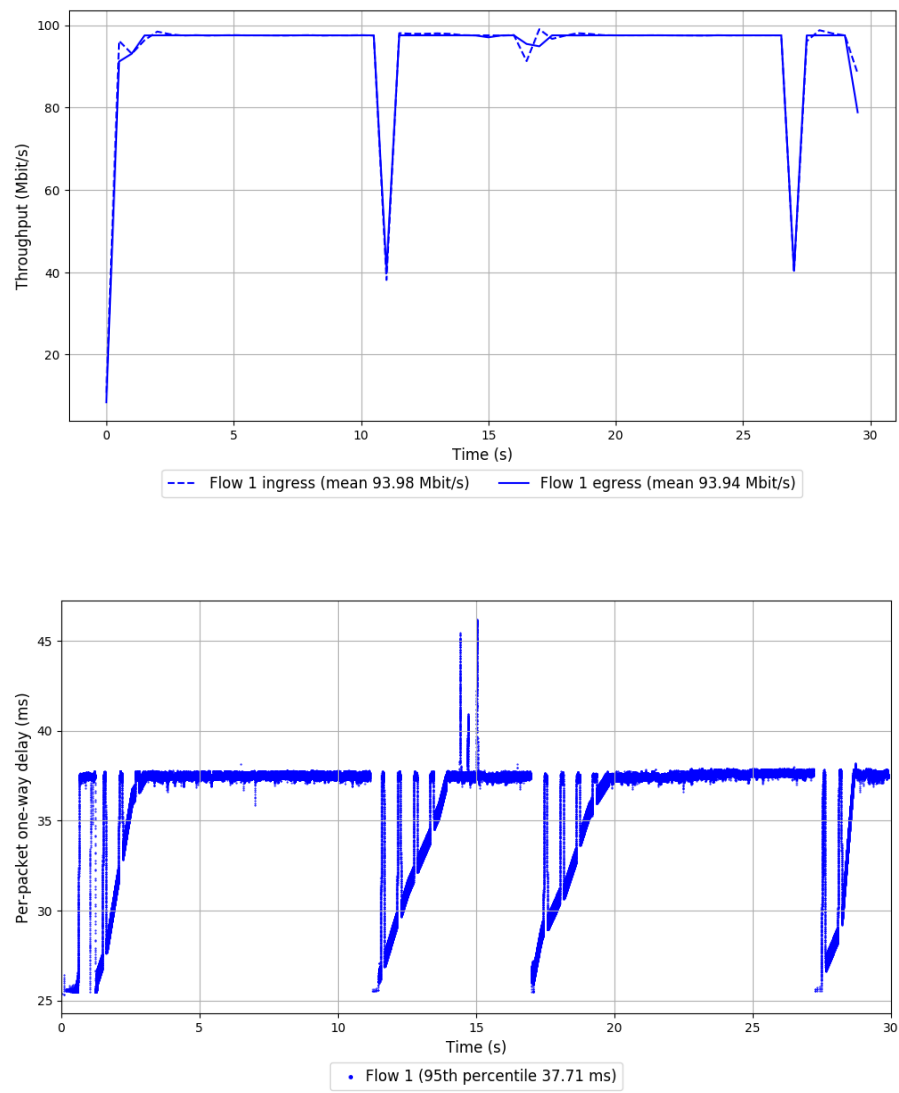


Run 4: Statistics of TCP BBR

Start at: 2017-09-17 10:26:51
End at: 2017-09-17 10:27:21
Local clock offset: -2.486 ms
Remote clock offset: -1.391 ms

Below is generated by plot.py at 2017-09-17 16:04:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 37.711 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 37.711 ms
Loss rate: 0.31%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-09-17 10:46:53

End at: 2017-09-17 10:47:23

Local clock offset: -2.84 ms

Remote clock offset: 0.601 ms

Below is generated by plot.py at 2017-09-17 16:04:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 35.641 ms

Loss rate: 0.30%

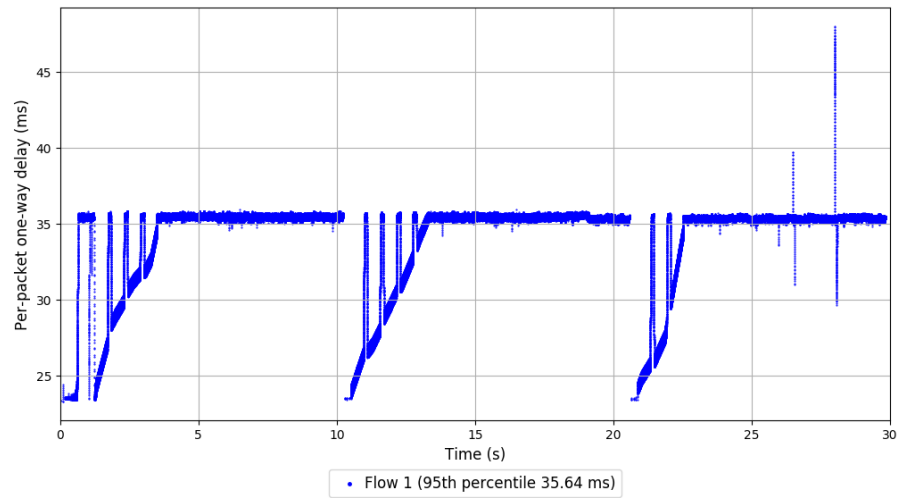
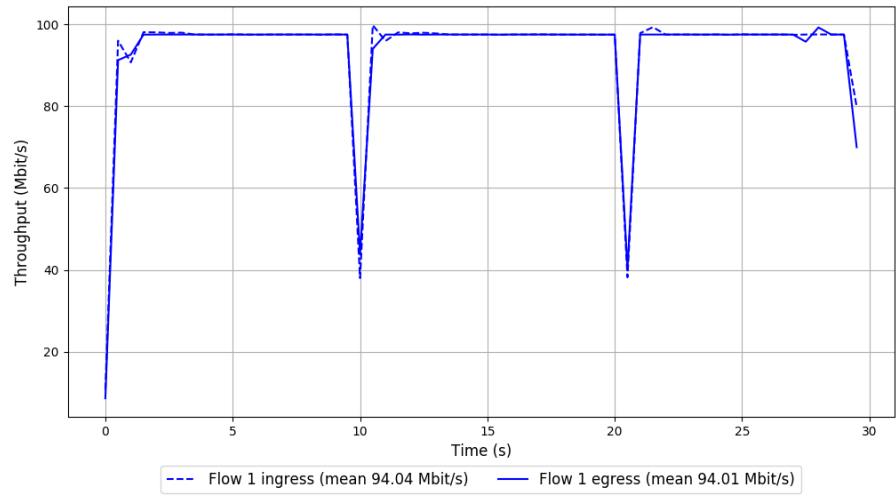
-- Flow 1:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 35.641 ms

Loss rate: 0.30%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-09-17 11:07:00

End at: 2017-09-17 11:07:30

Local clock offset: -2.507 ms

Remote clock offset: 0.764 ms

Below is generated by plot.py at 2017-09-17 16:04:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.00 Mbit/s

95th percentile per-packet one-way delay: 35.486 ms

Loss rate: 0.30%

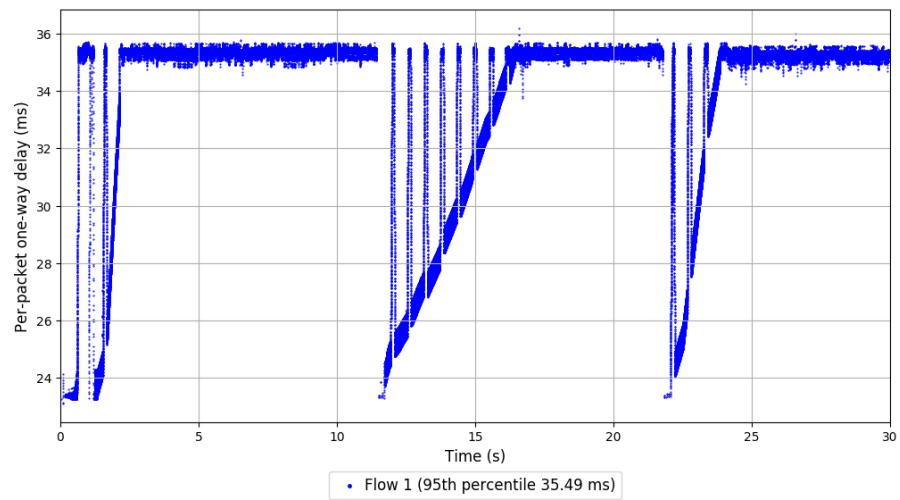
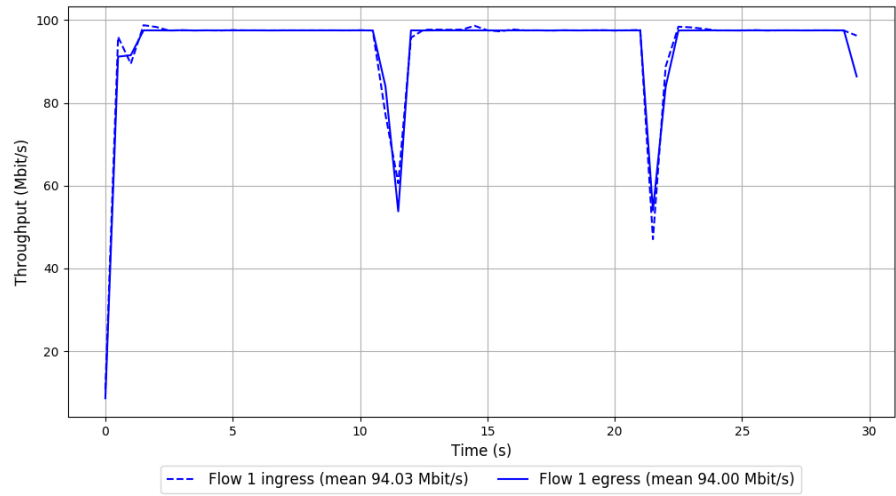
-- Flow 1:

Average throughput: 94.00 Mbit/s

95th percentile per-packet one-way delay: 35.486 ms

Loss rate: 0.30%

Run 6: Report of TCP BBR — Data Link

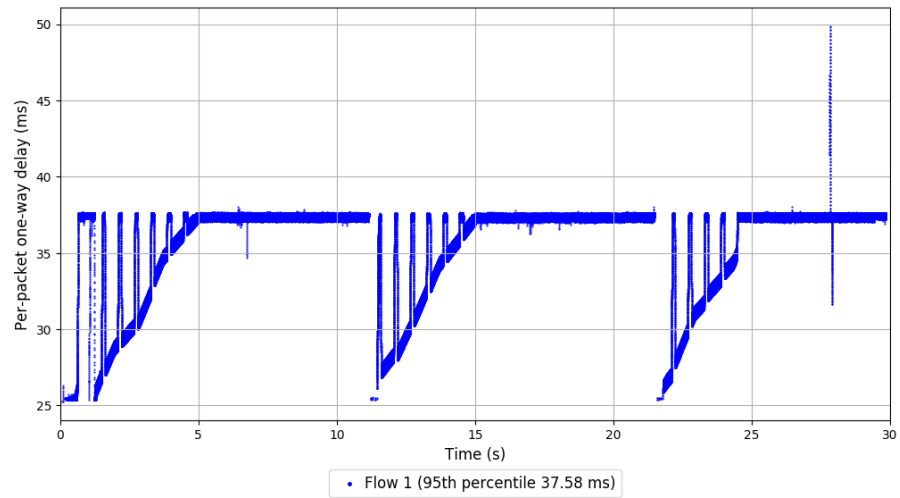
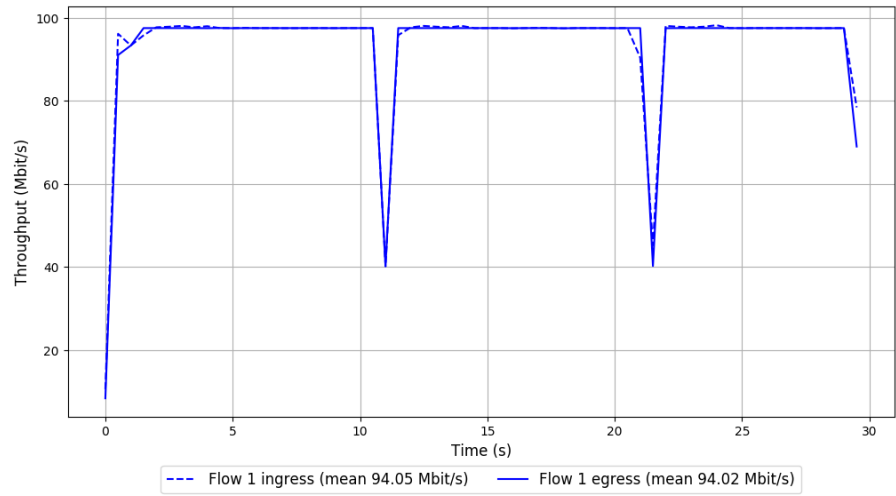


Run 7: Statistics of TCP BBR

Start at: 2017-09-17 11:27:07
End at: 2017-09-17 11:27:37
Local clock offset: -2.148 ms
Remote clock offset: -1.336 ms

Below is generated by plot.py at 2017-09-17 16:04:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 37.579 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 37.579 ms
Loss rate: 0.30%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2017-09-17 11:47:25

End at: 2017-09-17 11:47:55

Local clock offset: -1.597 ms

Remote clock offset: 0.672 ms

Below is generated by plot.py at 2017-09-17 16:04:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.02 Mbit/s

95th percentile per-packet one-way delay: 35.568 ms

Loss rate: 0.30%

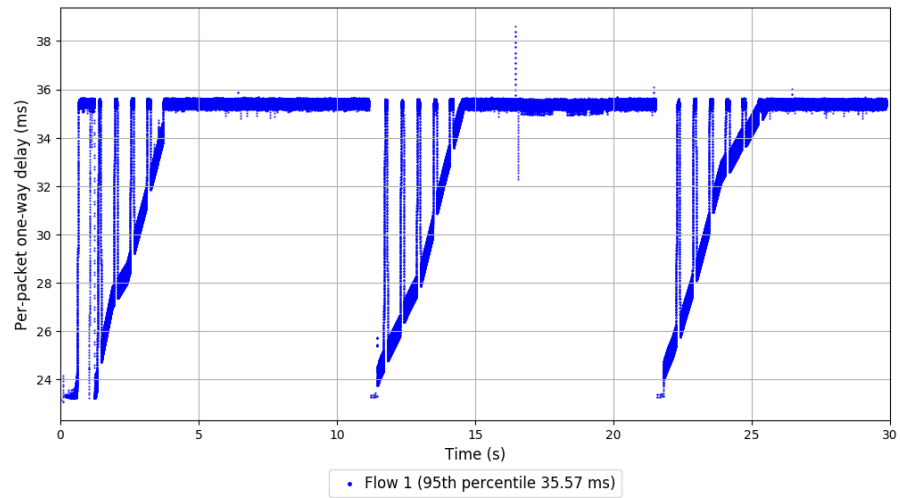
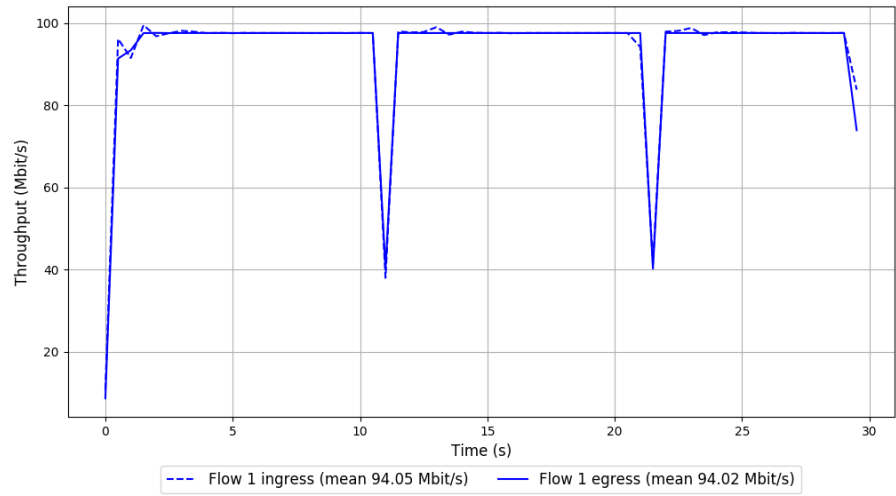
-- Flow 1:

Average throughput: 94.02 Mbit/s

95th percentile per-packet one-way delay: 35.568 ms

Loss rate: 0.30%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2017-09-17 12:07:28

End at: 2017-09-17 12:07:58

Local clock offset: -1.452 ms

Remote clock offset: -1.789 ms

Below is generated by plot.py at 2017-09-17 16:06:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 37.739 ms

Loss rate: 0.30%

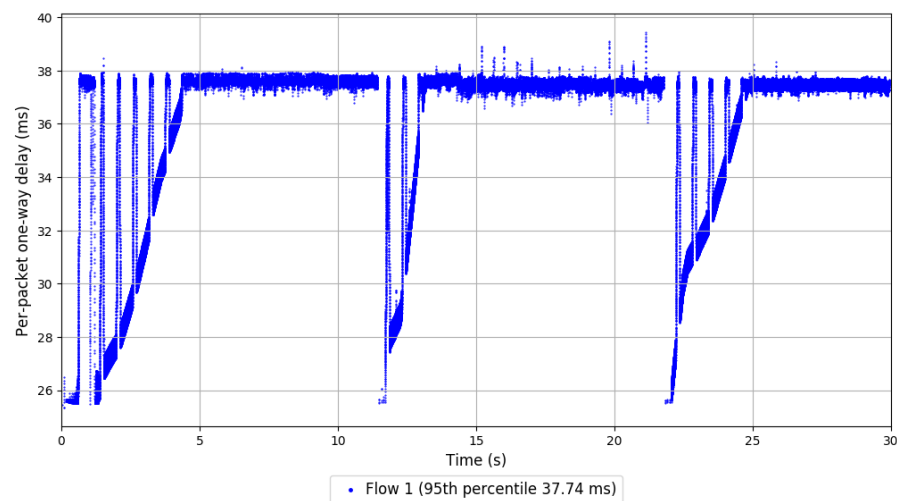
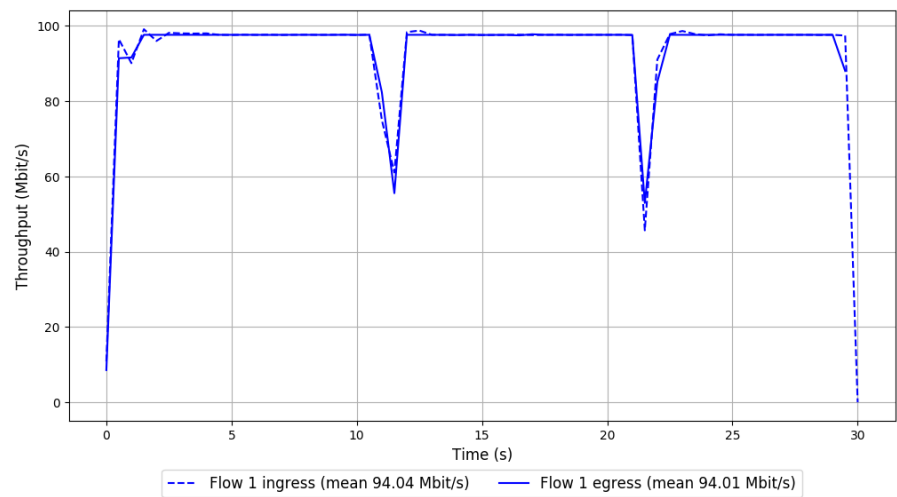
-- Flow 1:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 37.739 ms

Loss rate: 0.30%

Run 9: Report of TCP BBR — Data Link

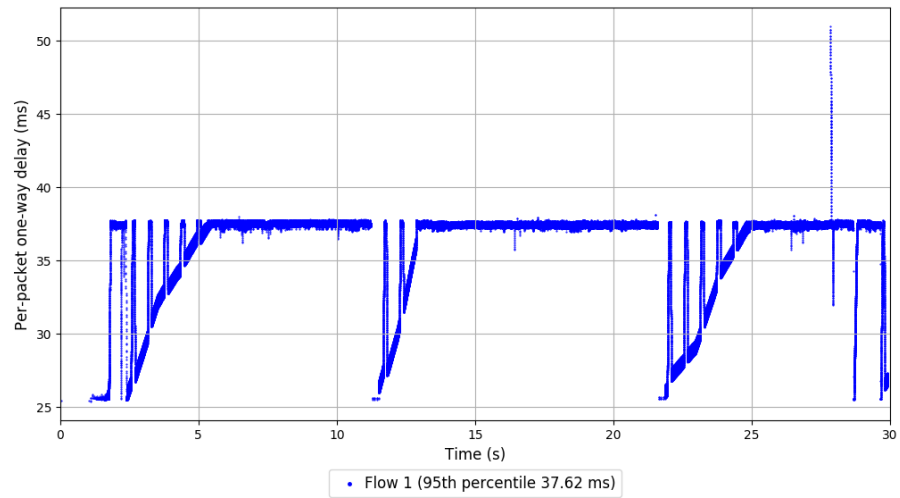
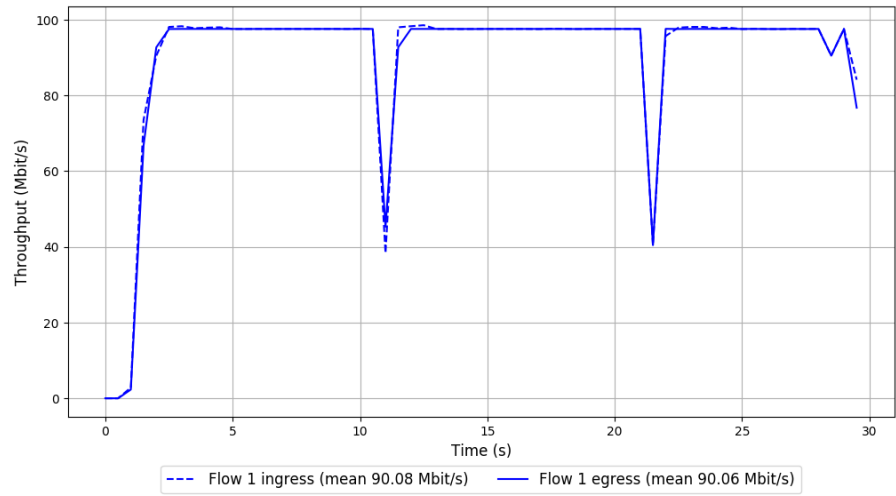


Run 10: Statistics of TCP BBR

Start at: 2017-09-17 12:27:29
End at: 2017-09-17 12:27:59
Local clock offset: -1.211 ms
Remote clock offset: -1.919 ms

Below is generated by plot.py at 2017-09-17 16:06:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.06 Mbit/s
95th percentile per-packet one-way delay: 37.625 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 90.06 Mbit/s
95th percentile per-packet one-way delay: 37.625 ms
Loss rate: 0.27%

Run 10: Report of TCP BBR — Data Link

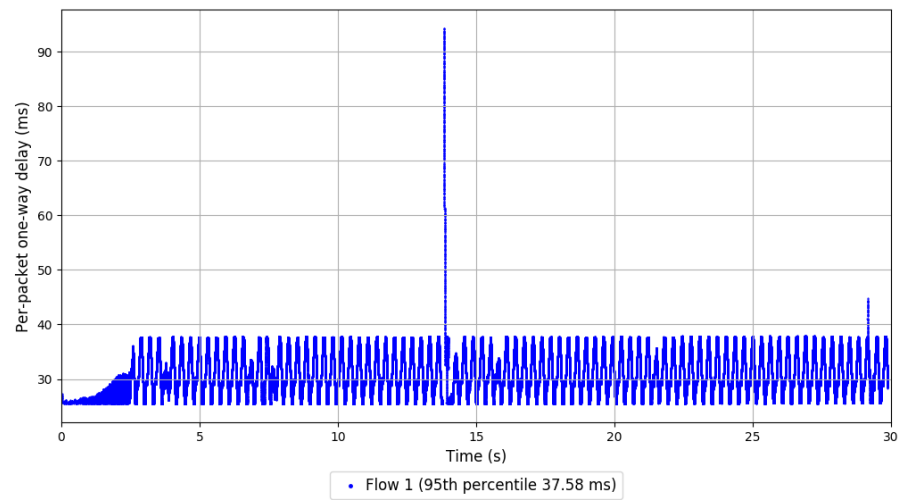
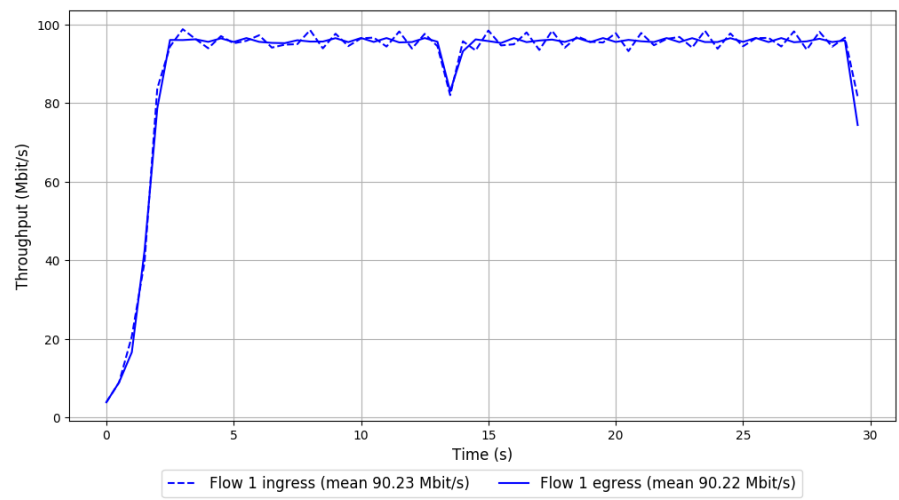


Run 1: Statistics of CalibratedKoho

Start at: 2017-09-17 09:13:14
End at: 2017-09-17 09:13:44
Local clock offset: -2.222 ms
Remote clock offset: -3.116 ms

Below is generated by plot.py at 2017-09-17 16:06:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.22 Mbit/s
95th percentile per-packet one-way delay: 37.575 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 90.22 Mbit/s
95th percentile per-packet one-way delay: 37.575 ms
Loss rate: 0.25%

Run 1: Report of CalibratedKoho — Data Link

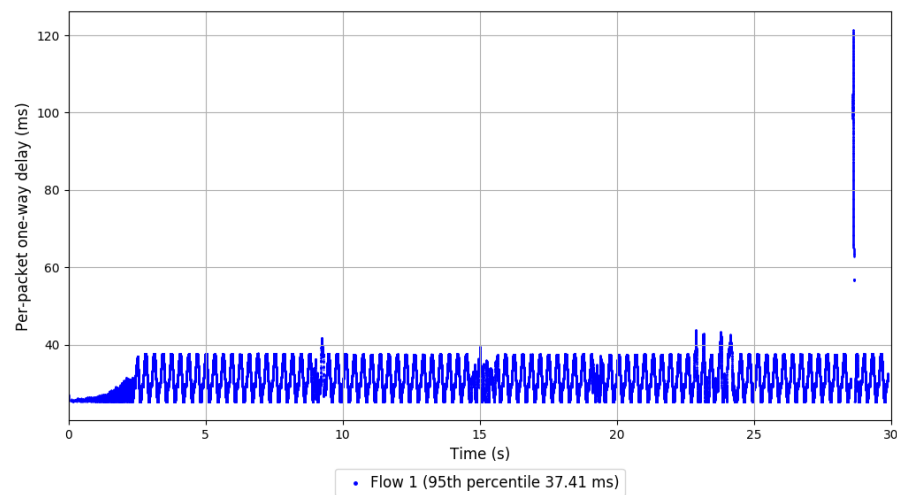
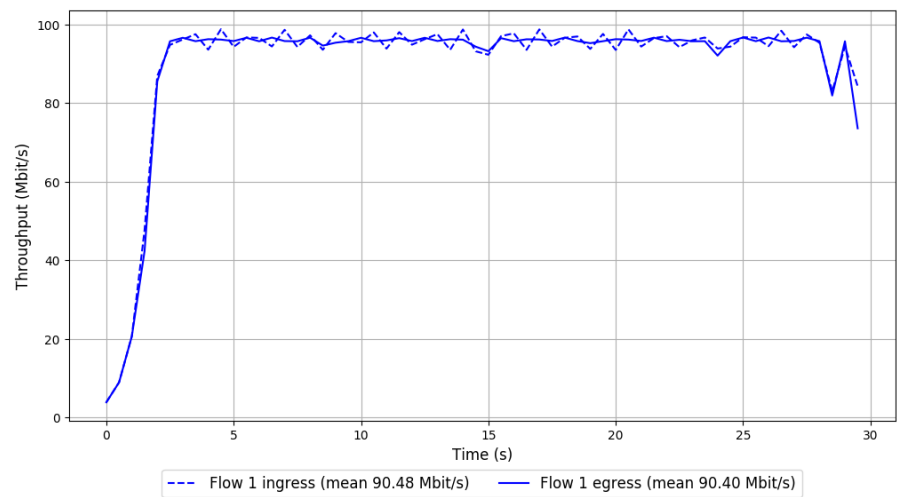


Run 2: Statistics of CalibratedKoho

Start at: 2017-09-17 09:33:21
End at: 2017-09-17 09:33:51
Local clock offset: -2.496 ms
Remote clock offset: -2.612 ms

Below is generated by plot.py at 2017-09-17 16:06:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 37.409 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 37.409 ms
Loss rate: 0.35%

Run 2: Report of CalibratedKoho — Data Link

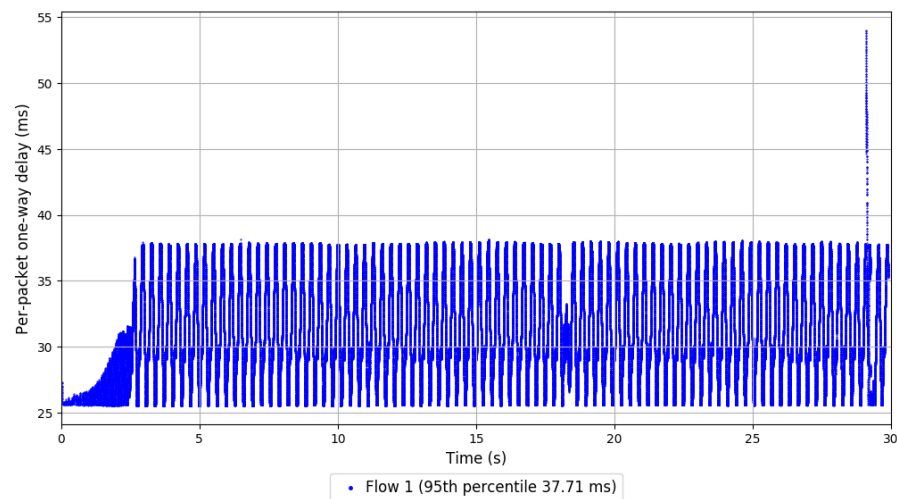
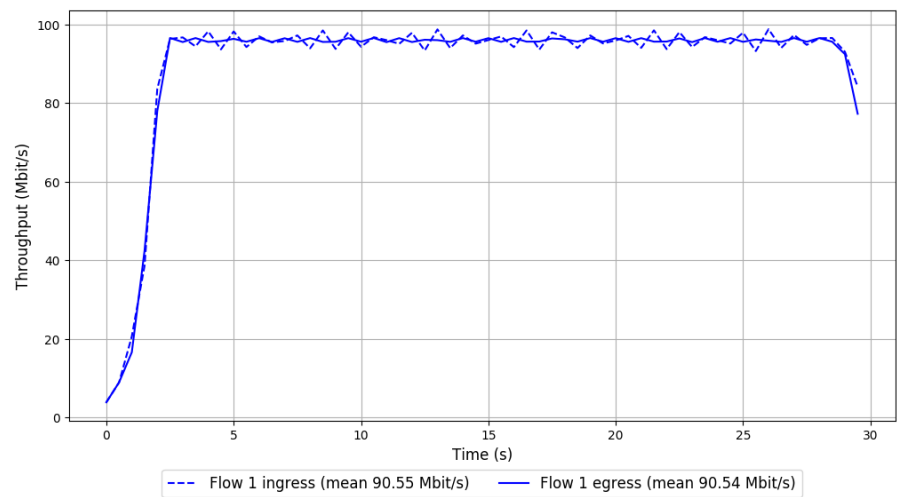


Run 3: Statistics of CalibratedKoho

Start at: 2017-09-17 09:53:19
End at: 2017-09-17 09:53:49
Local clock offset: -2.771 ms
Remote clock offset: -1.907 ms

Below is generated by plot.py at 2017-09-17 16:06:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.54 Mbit/s
95th percentile per-packet one-way delay: 37.707 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 90.54 Mbit/s
95th percentile per-packet one-way delay: 37.707 ms
Loss rate: 0.26%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: 2017-09-17 10:13:22

End at: 2017-09-17 10:13:52

Local clock offset: -2.668 ms

Remote clock offset: 0.453 ms

Below is generated by plot.py at 2017-09-17 16:06:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.56 Mbit/s

95th percentile per-packet one-way delay: 35.549 ms

Loss rate: 0.29%

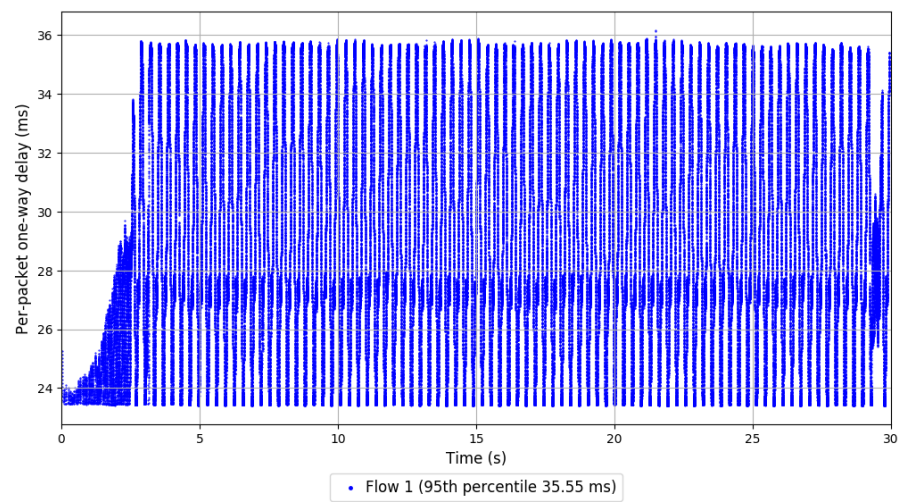
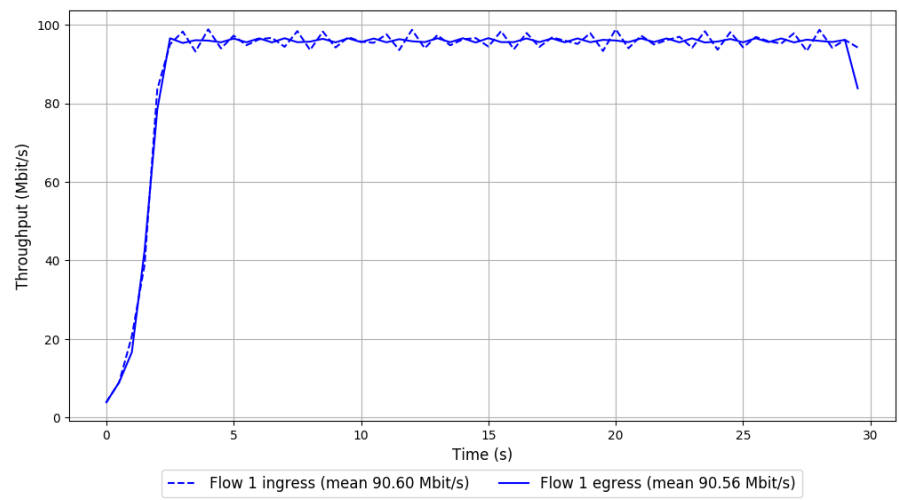
-- Flow 1:

Average throughput: 90.56 Mbit/s

95th percentile per-packet one-way delay: 35.549 ms

Loss rate: 0.29%

Run 4: Report of CalibratedKoho — Data Link

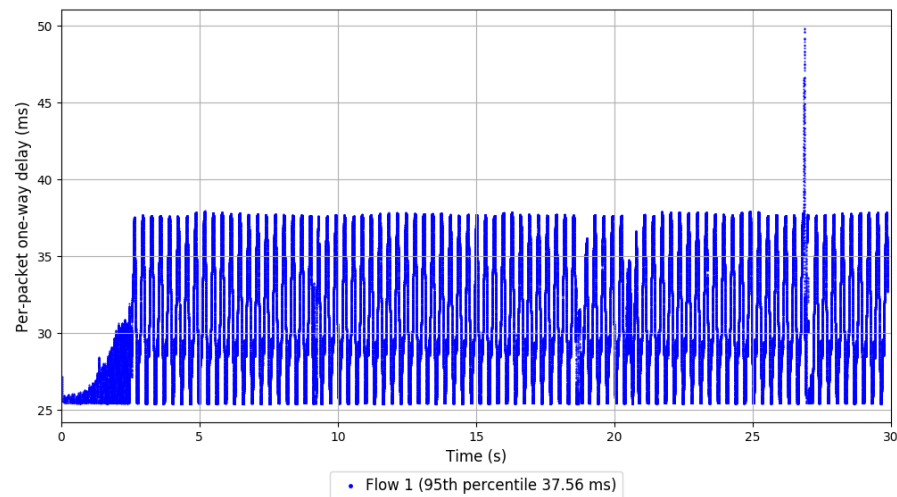
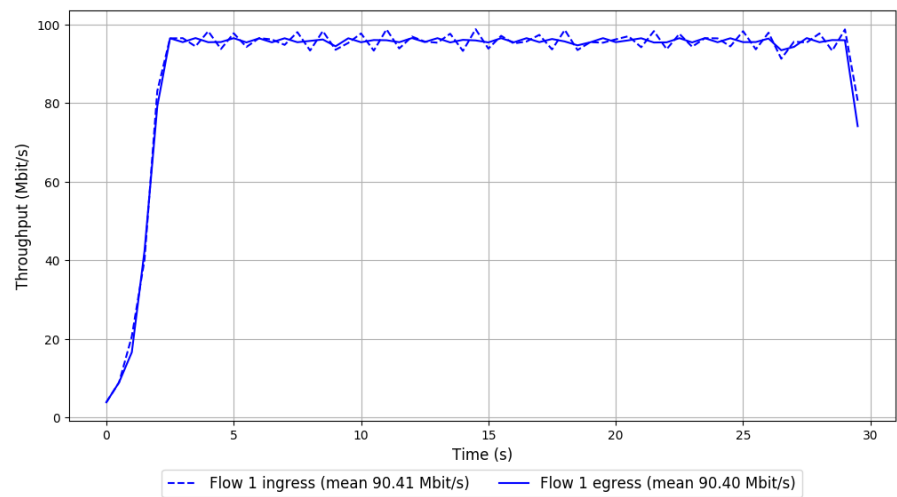


Run 5: Statistics of CalibratedKoho

Start at: 2017-09-17 10:33:27
End at: 2017-09-17 10:33:57
Local clock offset: -2.798 ms
Remote clock offset: -1.426 ms

Below is generated by plot.py at 2017-09-17 16:06:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 37.563 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 37.563 ms
Loss rate: 0.25%

Run 5: Report of CalibratedKoho — Data Link

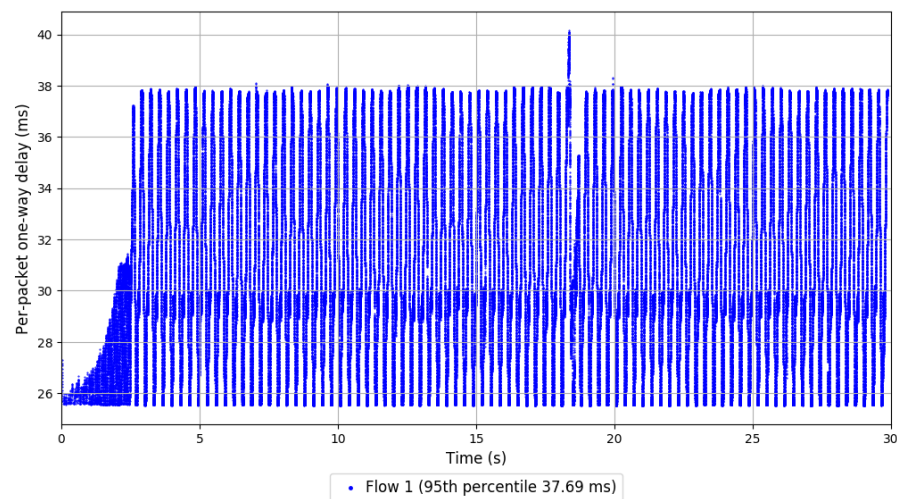
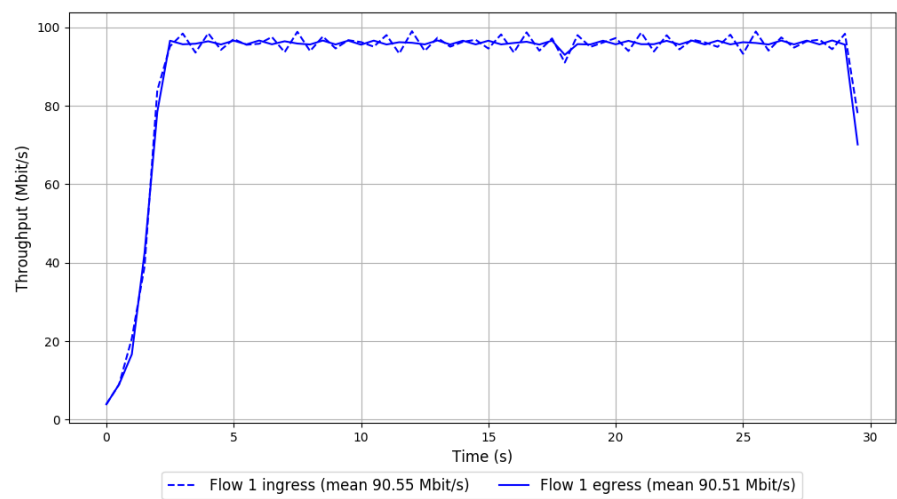


Run 6: Statistics of CalibratedKoho

Start at: 2017-09-17 10:53:30
End at: 2017-09-17 10:54:00
Local clock offset: -2.39 ms
Remote clock offset: -1.443 ms

Below is generated by plot.py at 2017-09-17 16:06:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 37.691 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 37.691 ms
Loss rate: 0.28%

Run 6: Report of CalibratedKoho — Data Link

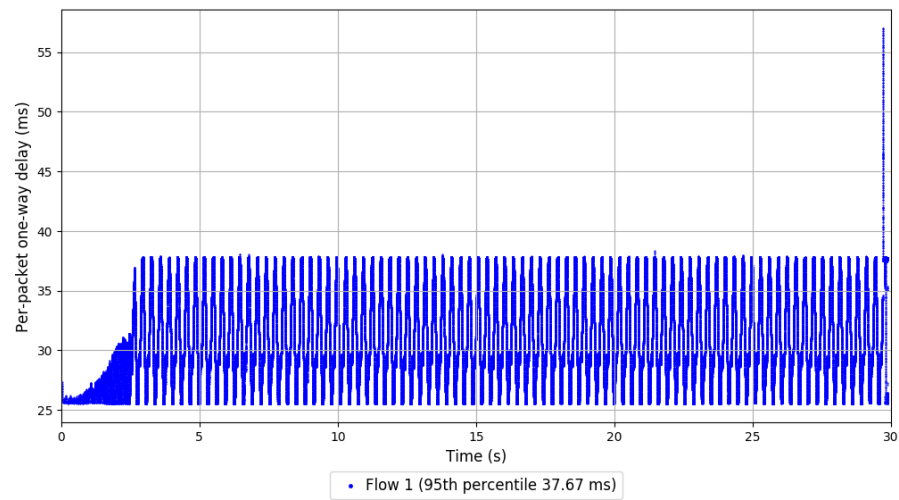
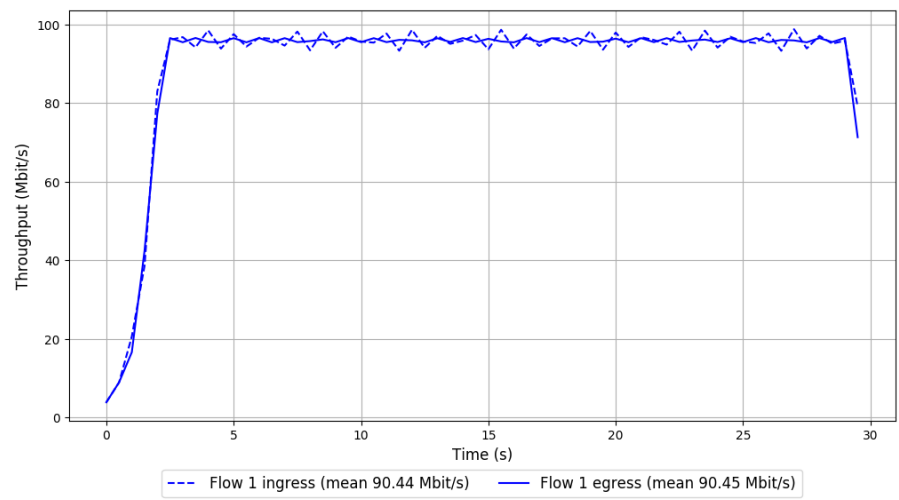


Run 7: Statistics of CalibratedKoho

Start at: 2017-09-17 11:13:36
End at: 2017-09-17 11:14:06
Local clock offset: -2.651 ms
Remote clock offset: -1.401 ms

Below is generated by plot.py at 2017-09-17 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: 37.669 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: 37.669 ms
Loss rate: 0.24%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: 2017-09-17 11:33:45

End at: 2017-09-17 11:34:15

Local clock offset: -1.766 ms

Remote clock offset: 0.732 ms

Below is generated by plot.py at 2017-09-17 16:07:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.38 Mbit/s

95th percentile per-packet one-way delay: 35.460 ms

Loss rate: 0.25%

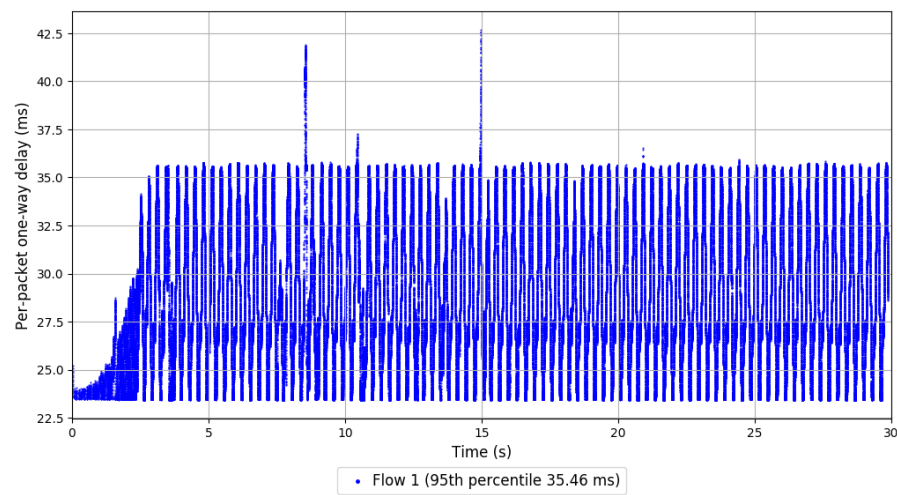
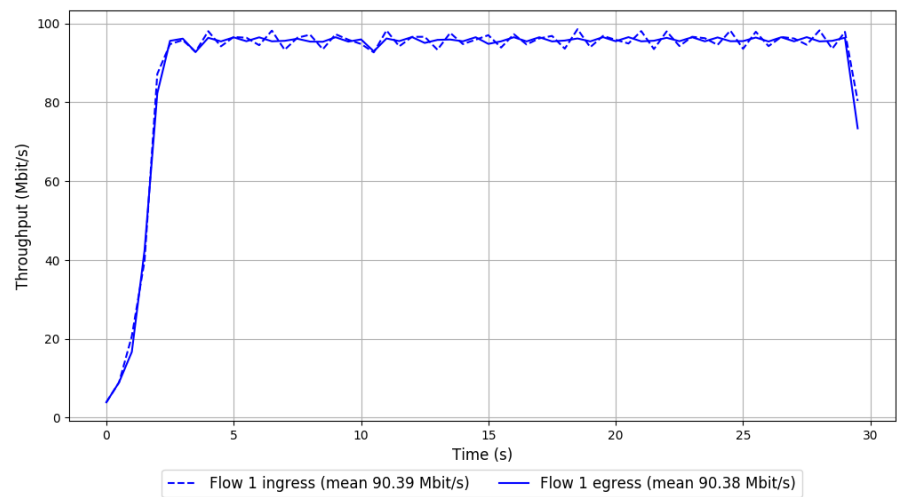
-- Flow 1:

Average throughput: 90.38 Mbit/s

95th percentile per-packet one-way delay: 35.460 ms

Loss rate: 0.25%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: 2017-09-17 11:54:00

End at: 2017-09-17 11:54:30

Local clock offset: -1.384 ms

Remote clock offset: 0.562 ms

Below is generated by plot.py at 2017-09-17 16:07:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.58 Mbit/s

95th percentile per-packet one-way delay: 35.516 ms

Loss rate: 0.28%

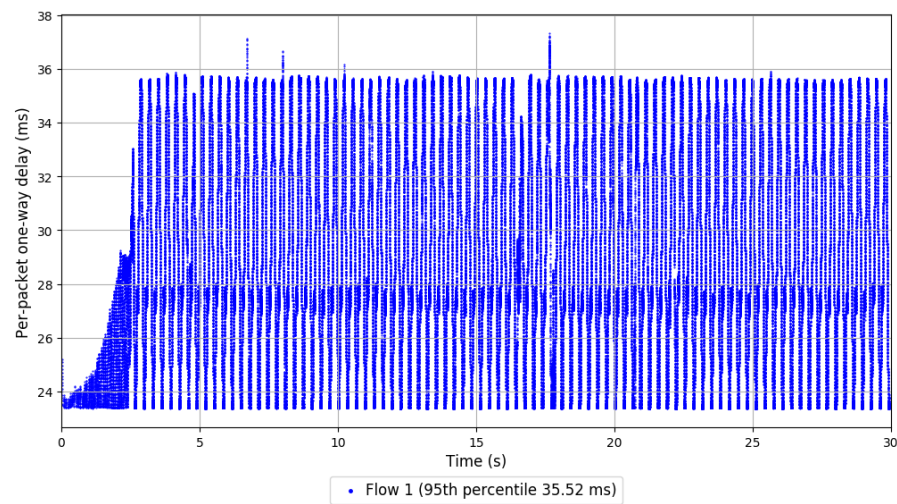
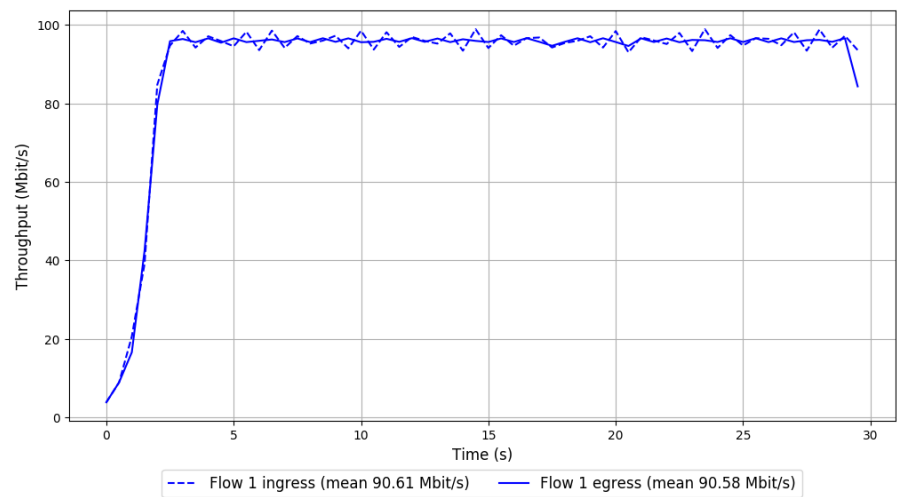
-- Flow 1:

Average throughput: 90.58 Mbit/s

95th percentile per-packet one-way delay: 35.516 ms

Loss rate: 0.28%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: 2017-09-17 12:13:58

End at: 2017-09-17 12:14:28

Local clock offset: -1.422 ms

Remote clock offset: 0.375 ms

Below is generated by plot.py at 2017-09-17 16:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.66 Mbit/s

95th percentile per-packet one-way delay: 35.518 ms

Loss rate: 0.26%

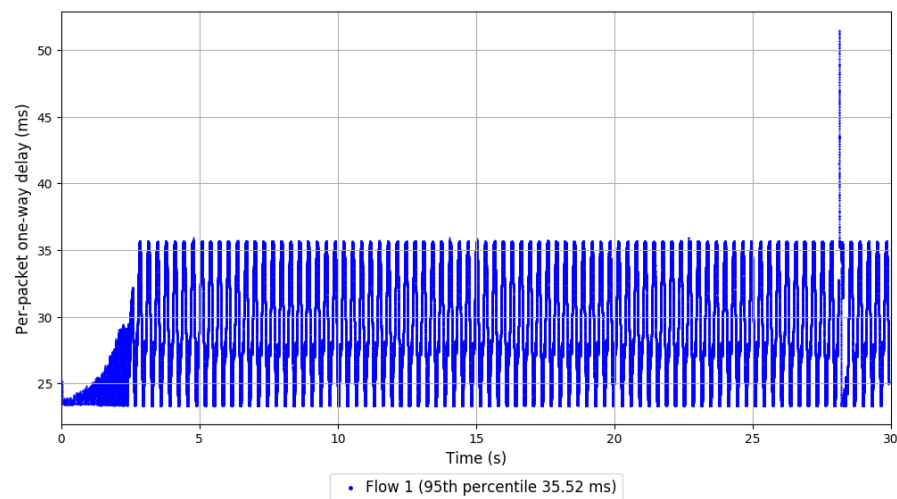
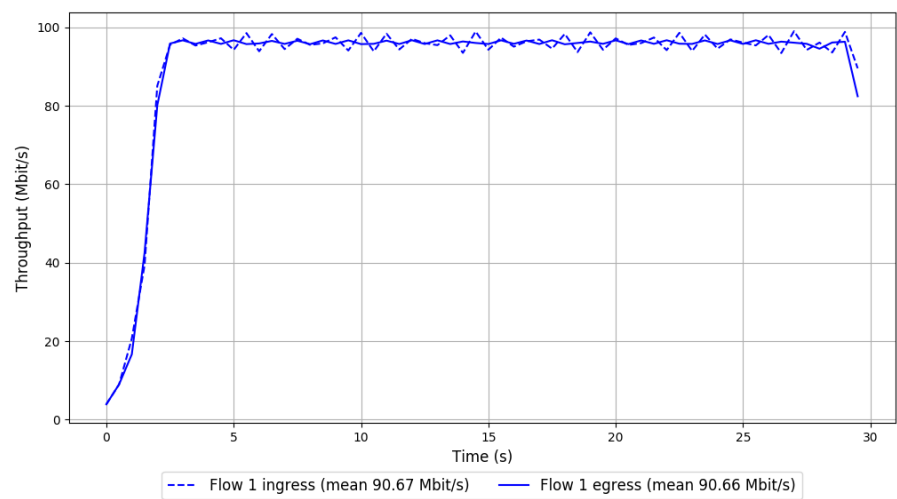
-- Flow 1:

Average throughput: 90.66 Mbit/s

95th percentile per-packet one-way delay: 35.518 ms

Loss rate: 0.26%

Run 10: Report of CalibratedKoho — Data Link

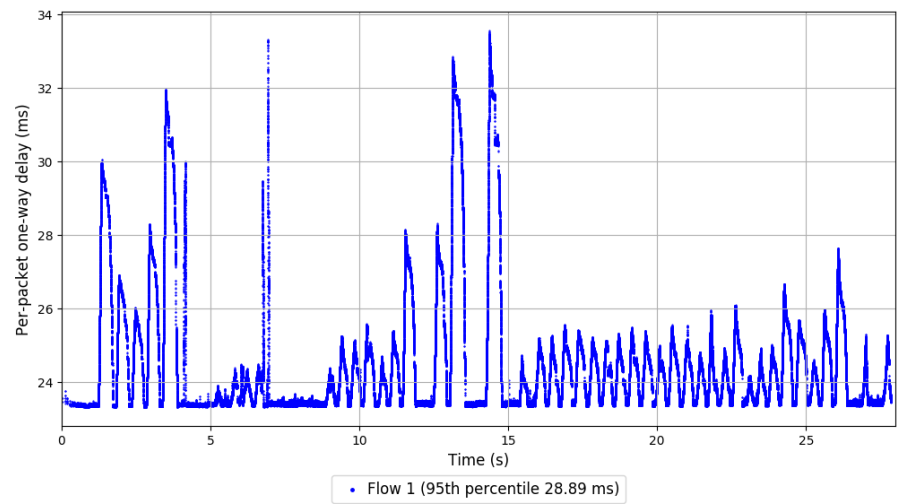
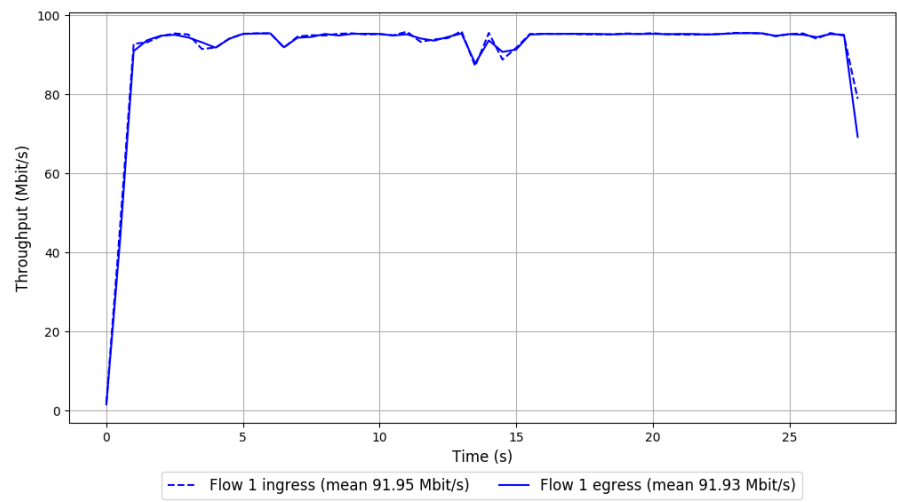


Run 1: Statistics of Copa

Start at: 2017-09-17 09:17:17
End at: 2017-09-17 09:17:47
Local clock offset: -3.033 ms
Remote clock offset: -1.037 ms

Below is generated by plot.py at 2017-09-17 16:08:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.93 Mbit/s
95th percentile per-packet one-way delay: 28.889 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 91.93 Mbit/s
95th percentile per-packet one-way delay: 28.889 ms
Loss rate: 0.29%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

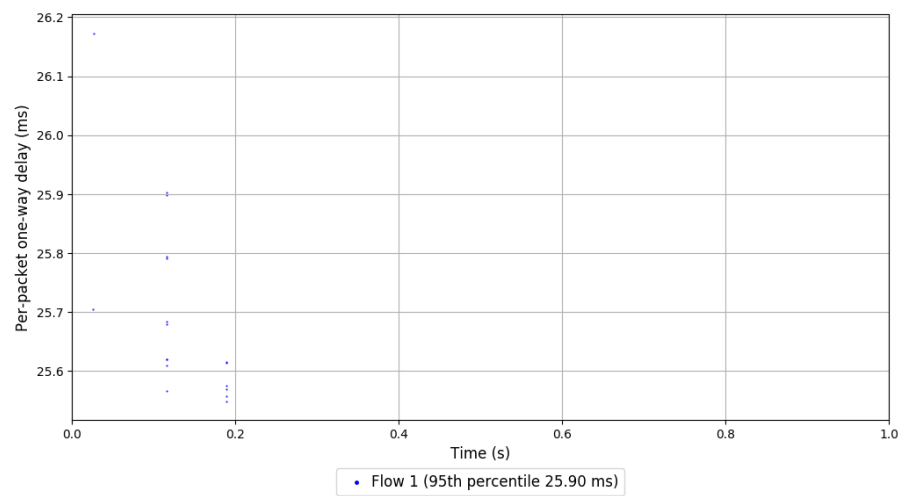
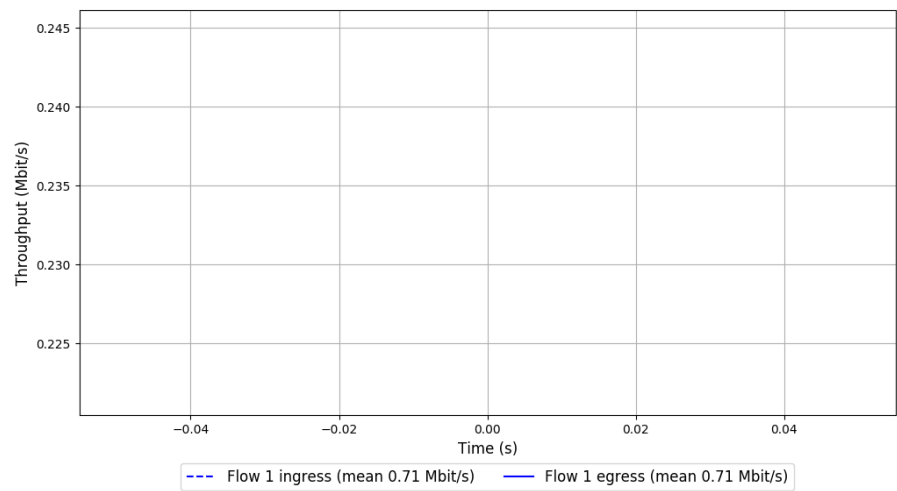
Start at: 2017-09-17 09:37:24

End at: 2017-09-17 09:37:55

Local clock offset: -1.989 ms

Remote clock offset: -2.481 ms

Run 2: Report of Copa — Data Link

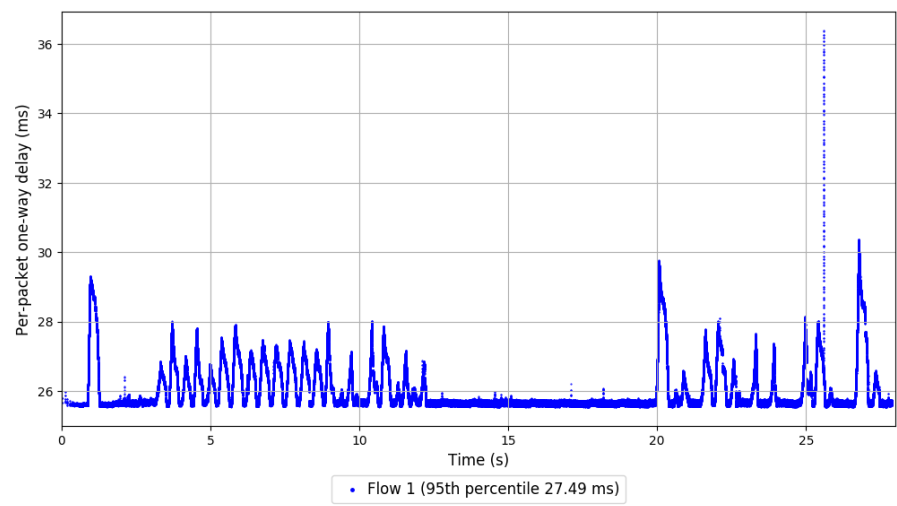
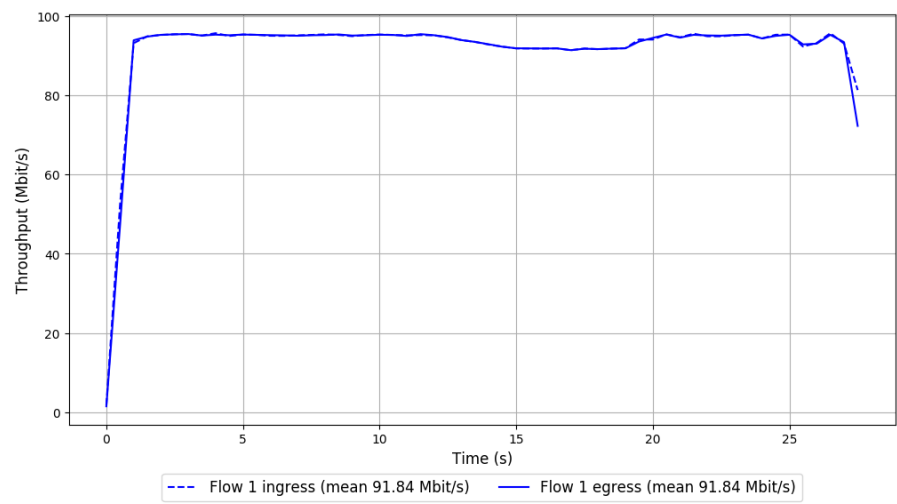


Run 3: Statistics of Copa

Start at: 2017-09-17 09:57:21
End at: 2017-09-17 09:57:51
Local clock offset: -2.711 ms
Remote clock offset: -1.885 ms

Below is generated by plot.py at 2017-09-17 16:08:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 27.493 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 27.493 ms
Loss rate: 0.27%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2017-09-17 10:17:25

End at: 2017-09-17 10:17:55

Local clock offset: -2.562 ms

Remote clock offset: 0.957 ms

Below is generated by plot.py at 2017-09-17 16:08:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.32 Mbit/s

95th percentile per-packet one-way delay: 25.416 ms

Loss rate: 0.27%

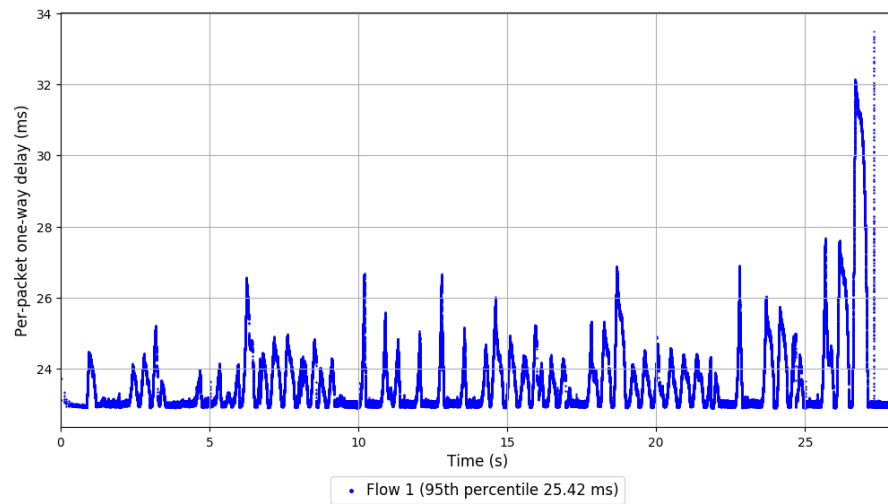
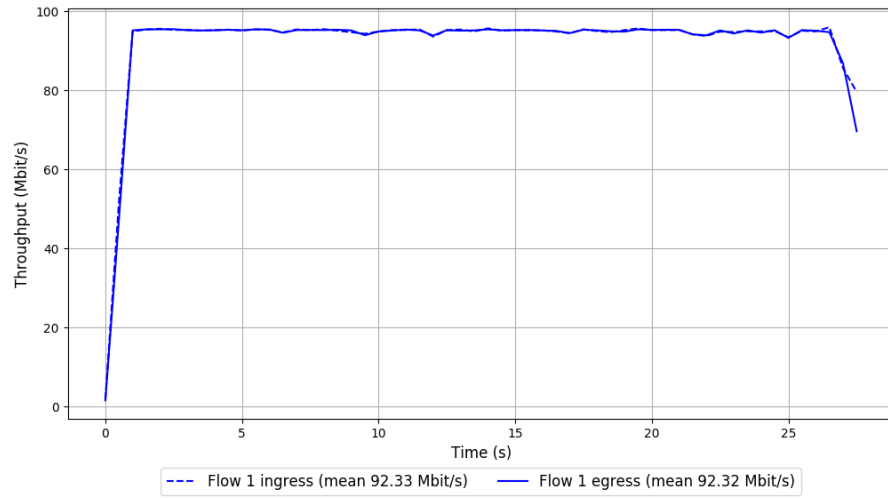
-- Flow 1:

Average throughput: 92.32 Mbit/s

95th percentile per-packet one-way delay: 25.416 ms

Loss rate: 0.27%

Run 4: Report of Copa — Data Link

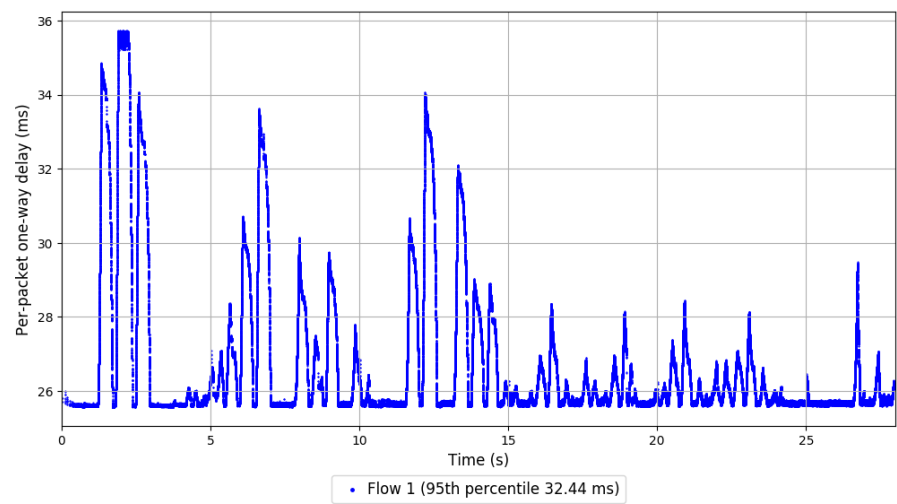
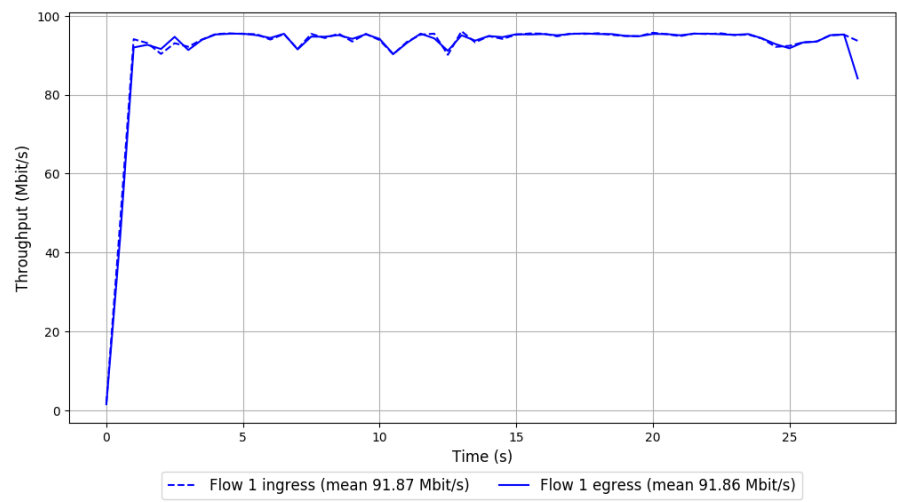


Run 5: Statistics of Copa

Start at: 2017-09-17 10:37:29
End at: 2017-09-17 10:37:59
Local clock offset: -2.909 ms
Remote clock offset: -1.496 ms

Below is generated by plot.py at 2017-09-17 16:08:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.86 Mbit/s
95th percentile per-packet one-way delay: 32.439 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 91.86 Mbit/s
95th percentile per-packet one-way delay: 32.439 ms
Loss rate: 0.28%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2017-09-17 10:57:33

End at: 2017-09-17 10:58:03

Local clock offset: -2.313 ms

Remote clock offset: 0.774 ms

Below is generated by plot.py at 2017-09-17 16:09:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.42 Mbit/s

95th percentile per-packet one-way delay: 25.366 ms

Loss rate: 0.30%

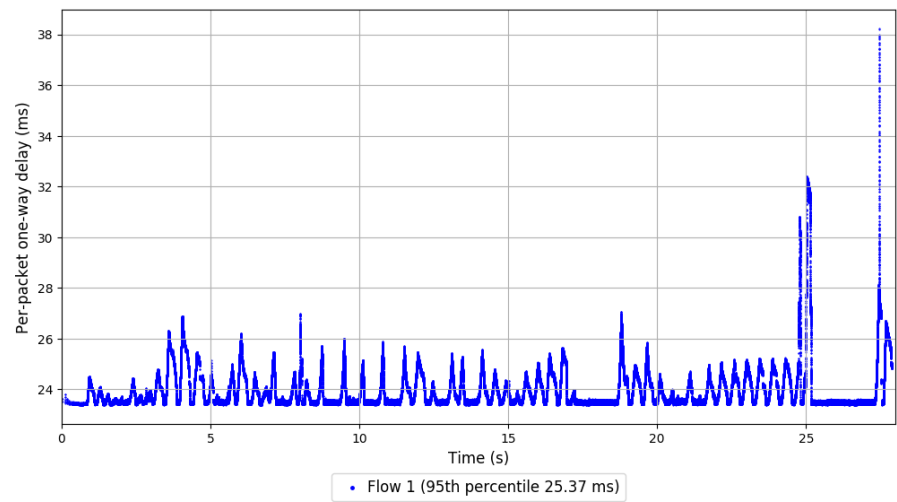
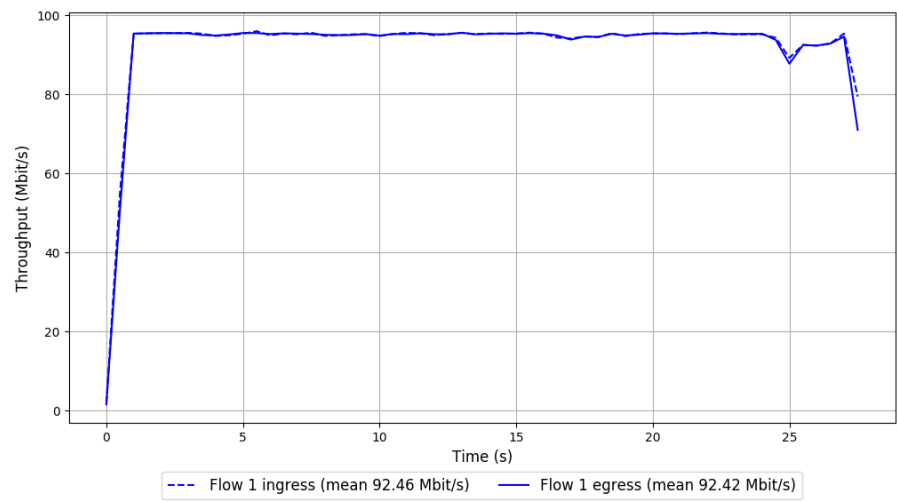
-- Flow 1:

Average throughput: 92.42 Mbit/s

95th percentile per-packet one-way delay: 25.366 ms

Loss rate: 0.30%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2017-09-17 11:17:39

End at: 2017-09-17 11:18:09

Local clock offset: -2.832 ms

Remote clock offset: 0.752 ms

Below is generated by plot.py at 2017-09-17 16:09:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.15 Mbit/s

95th percentile per-packet one-way delay: 27.543 ms

Loss rate: 0.28%

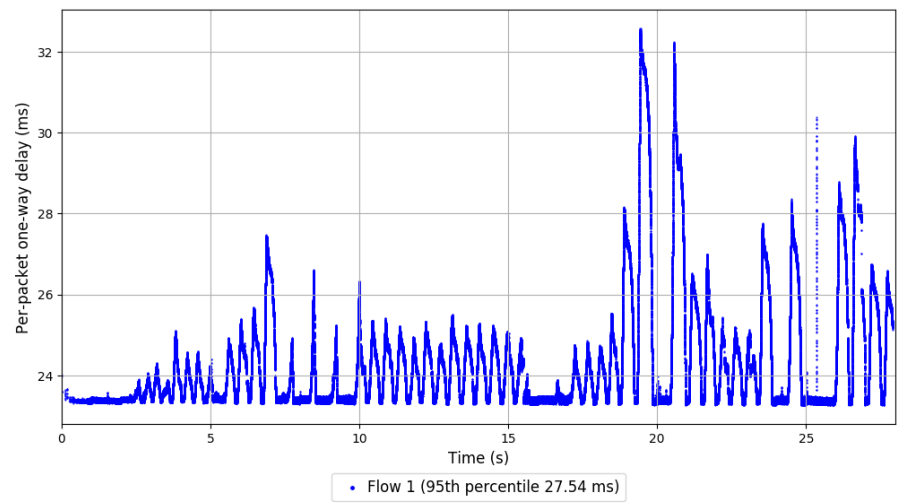
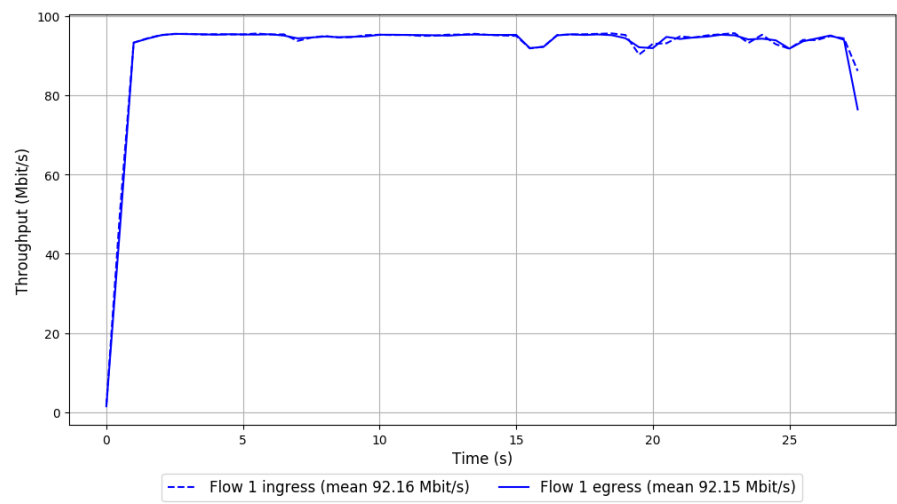
-- Flow 1:

Average throughput: 92.15 Mbit/s

95th percentile per-packet one-way delay: 27.543 ms

Loss rate: 0.28%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2017-09-17 11:37:48

End at: 2017-09-17 11:38:18

Local clock offset: -1.764 ms

Remote clock offset: 0.771 ms

Below is generated by plot.py at 2017-09-17 16:09:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.76 Mbit/s

95th percentile per-packet one-way delay: 29.713 ms

Loss rate: 0.28%

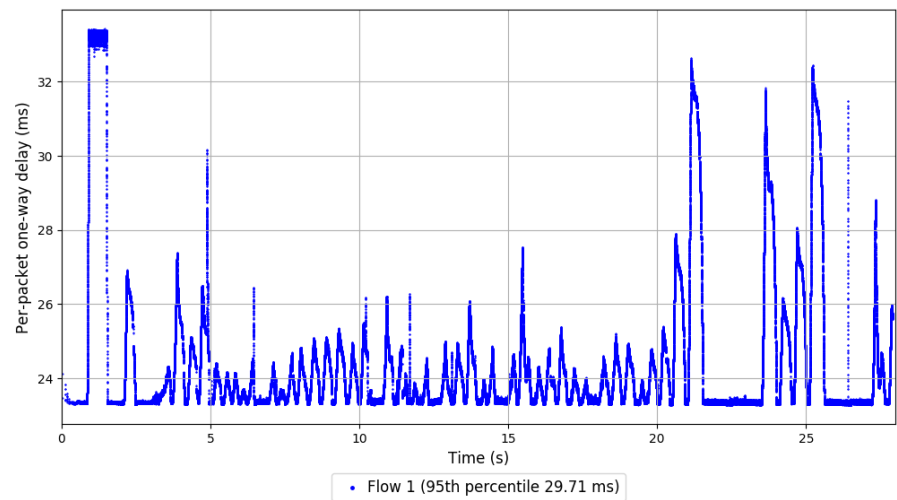
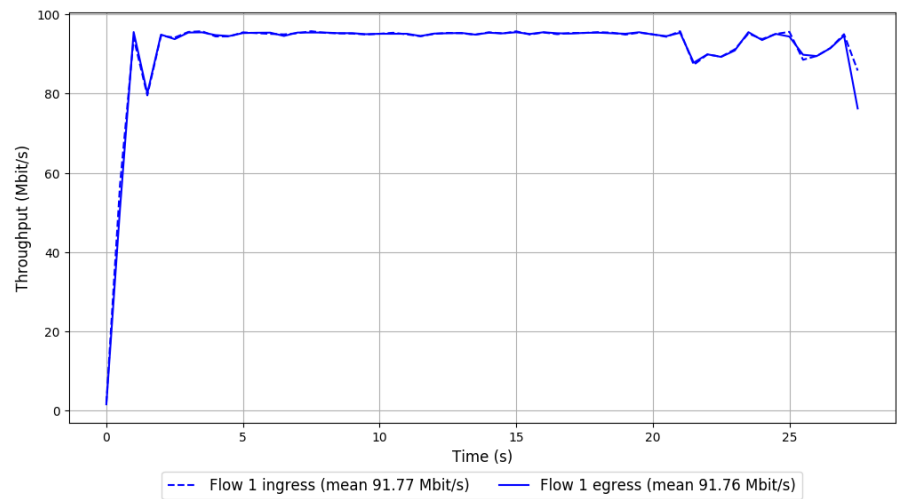
-- Flow 1:

Average throughput: 91.76 Mbit/s

95th percentile per-packet one-way delay: 29.713 ms

Loss rate: 0.28%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2017-09-17 11:58:02

End at: 2017-09-17 11:58:32

Local clock offset: -1.371 ms

Remote clock offset: 0.389 ms

Below is generated by plot.py at 2017-09-17 16:09:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.71 Mbit/s

95th percentile per-packet one-way delay: 29.316 ms

Loss rate: 0.26%

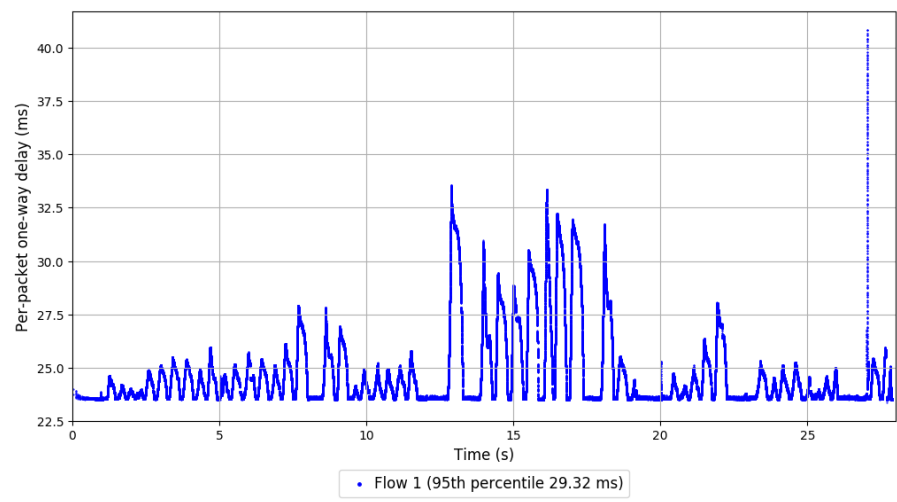
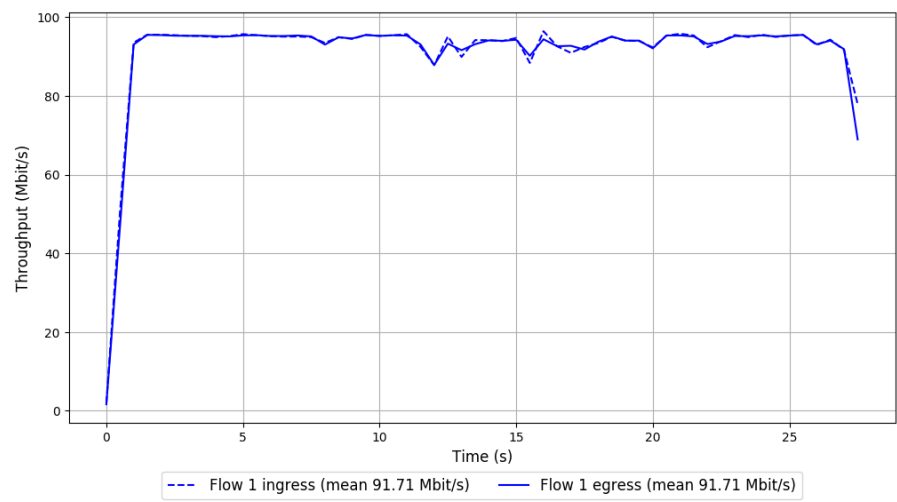
-- Flow 1:

Average throughput: 91.71 Mbit/s

95th percentile per-packet one-way delay: 29.316 ms

Loss rate: 0.26%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2017-09-17 12:18:00

End at: 2017-09-17 12:18:30

Local clock offset: -1.442 ms

Remote clock offset: -1.77 ms

Below is generated by plot.py at 2017-09-17 16:10:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.96 Mbit/s

95th percentile per-packet one-way delay: 28.491 ms

Loss rate: 0.27%

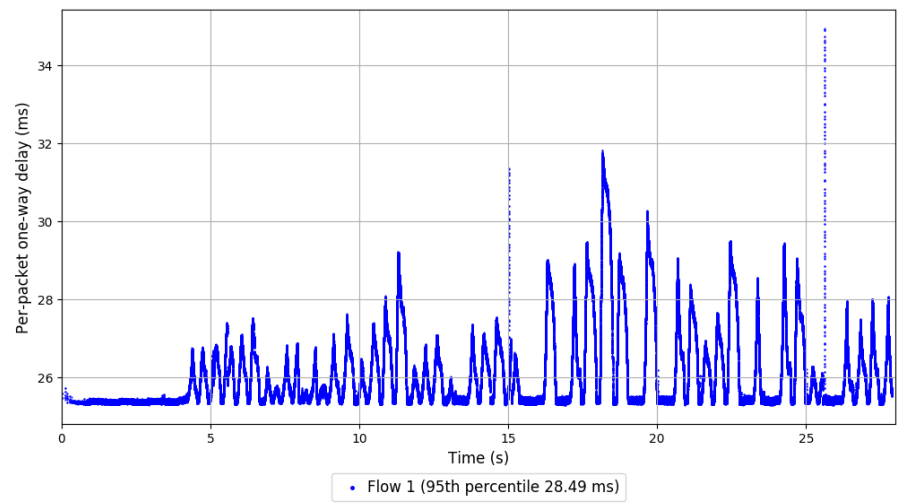
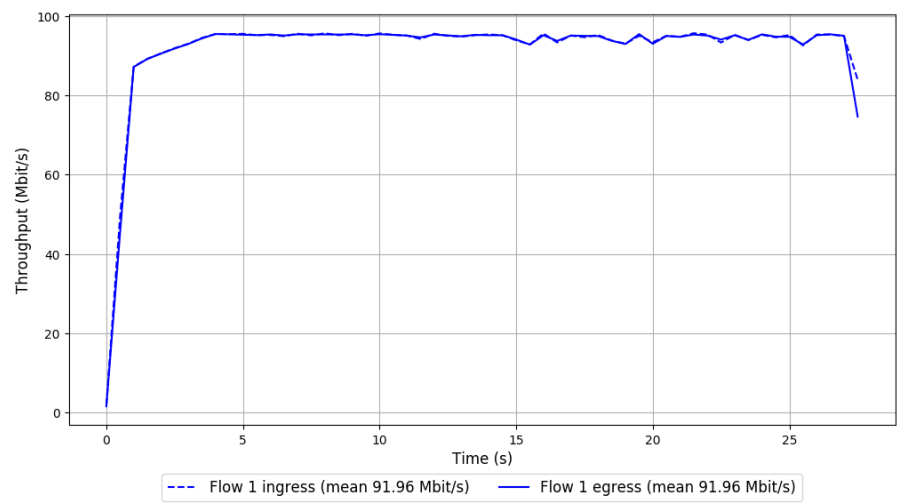
-- Flow 1:

Average throughput: 91.96 Mbit/s

95th percentile per-packet one-way delay: 28.491 ms

Loss rate: 0.27%

Run 10: Report of Copa — Data Link

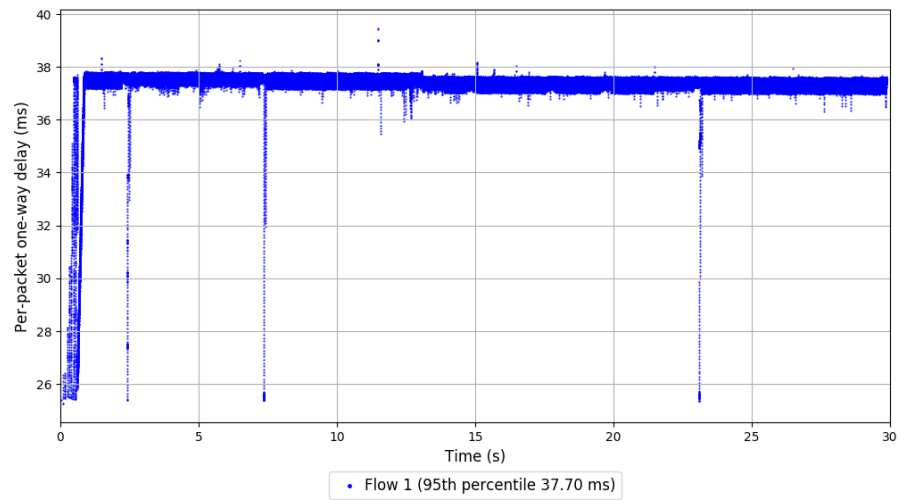
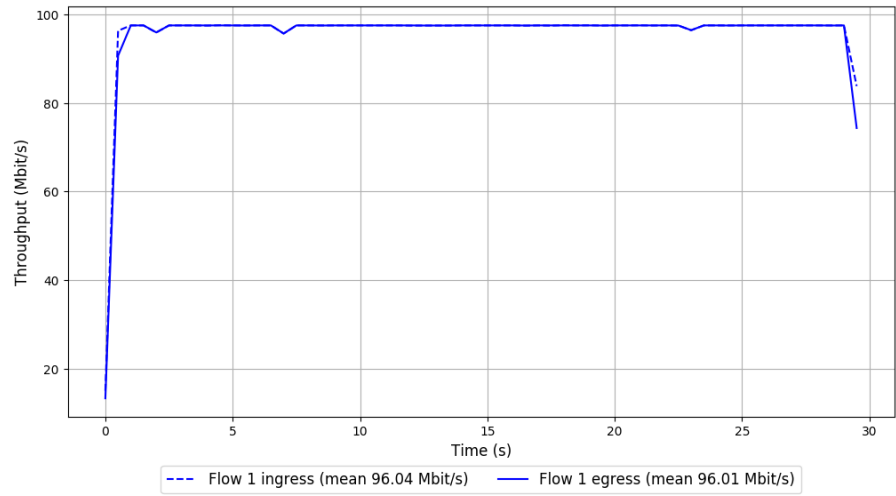


Run 1: Statistics of TCP Cubic

Start at: 2017-09-17 09:30:39
End at: 2017-09-17 09:31:09
Local clock offset: -2.871 ms
Remote clock offset: -2.682 ms

Below is generated by plot.py at 2017-09-17 16:10:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 37.701 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 37.701 ms
Loss rate: 0.29%

Run 1: Report of TCP Cubic — Data Link

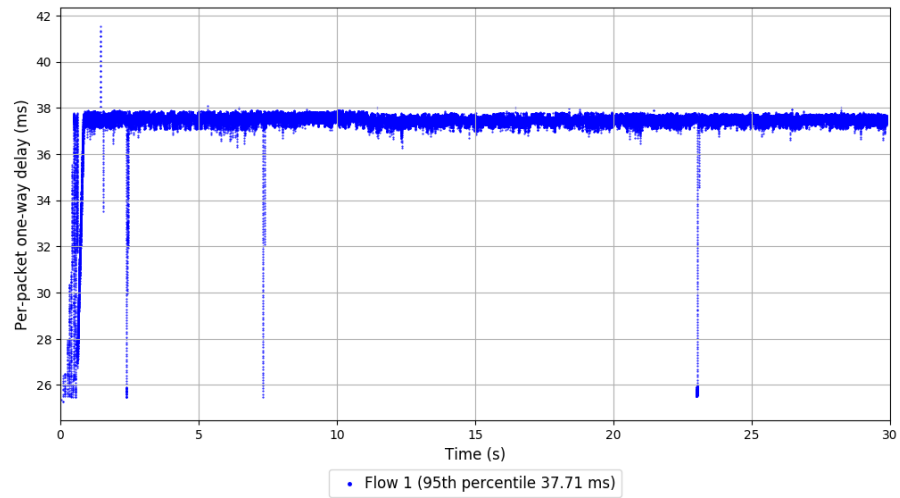
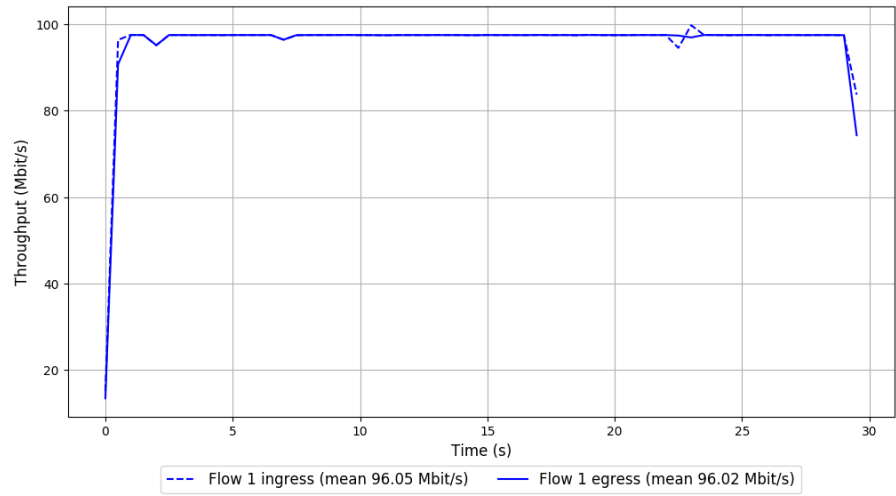


Run 2: Statistics of TCP Cubic

Start at: 2017-09-17 09:50:38
End at: 2017-09-17 09:51:08
Local clock offset: -2.624 ms
Remote clock offset: -2.024 ms

Below is generated by plot.py at 2017-09-17 16:10:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 37.714 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 37.714 ms
Loss rate: 0.29%

Run 2: Report of TCP Cubic — Data Link

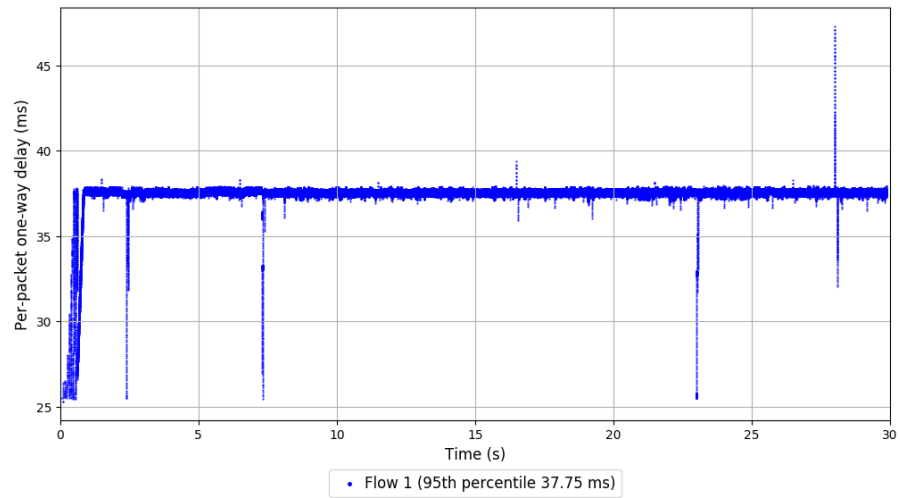
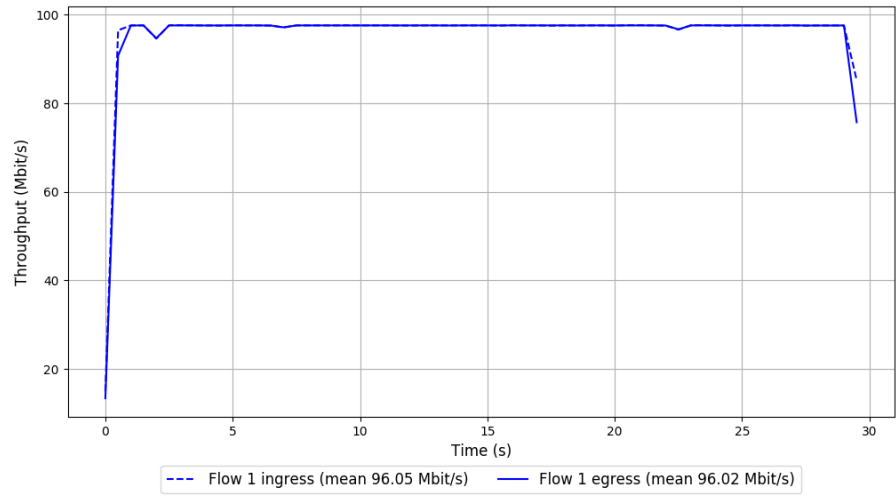


Run 3: Statistics of TCP Cubic

Start at: 2017-09-17 10:10:41
End at: 2017-09-17 10:11:12
Local clock offset: -2.73 ms
Remote clock offset: -1.497 ms

Below is generated by plot.py at 2017-09-17 16:10:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 37.748 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 37.748 ms
Loss rate: 0.29%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-09-17 10:30:46

End at: 2017-09-17 10:31:16

Local clock offset: -2.61 ms

Remote clock offset: 0.66 ms

Below is generated by plot.py at 2017-09-17 16:11:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 35.702 ms

Loss rate: 0.29%

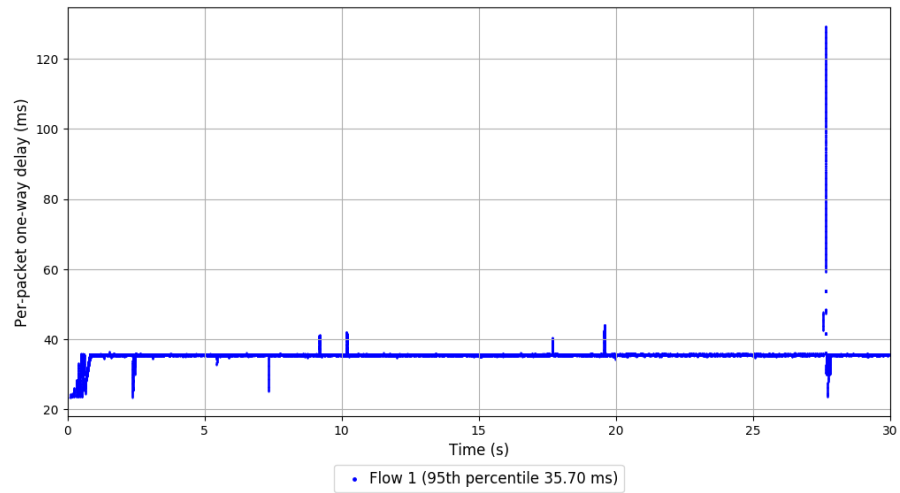
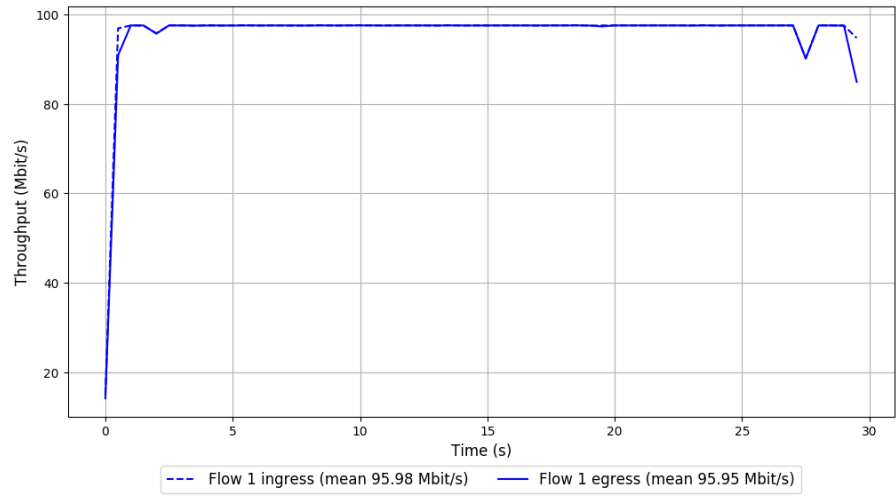
-- Flow 1:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 35.702 ms

Loss rate: 0.29%

Run 4: Report of TCP Cubic — Data Link

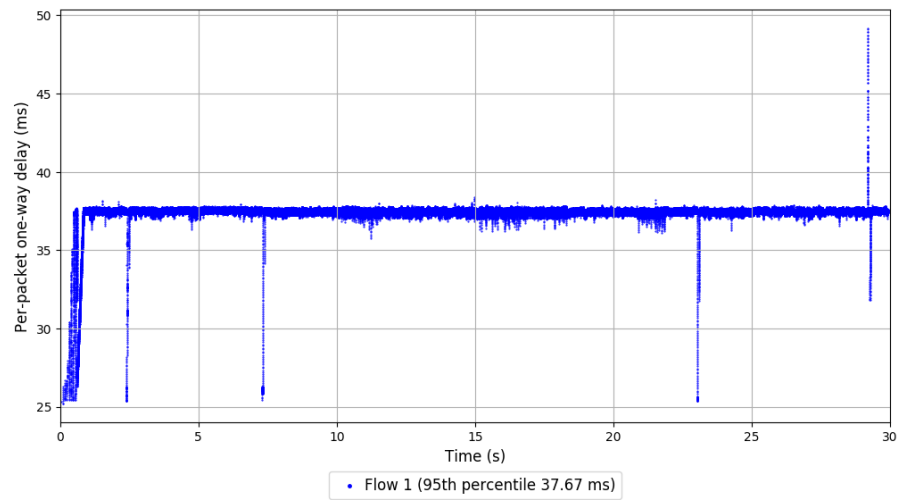
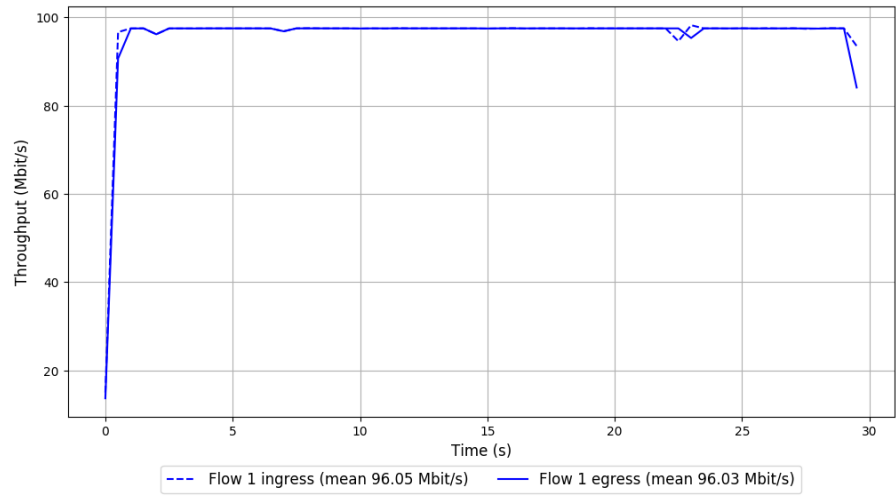


Run 5: Statistics of TCP Cubic

Start at: 2017-09-17 10:50:48
End at: 2017-09-17 10:51:18
Local clock offset: -2.487 ms
Remote clock offset: -1.257 ms

Below is generated by plot.py at 2017-09-17 16:11:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 37.669 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 37.669 ms
Loss rate: 0.29%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2017-09-17 11:10:54

End at: 2017-09-17 11:11:24

Local clock offset: -2.65 ms

Remote clock offset: 0.82 ms

Below is generated by plot.py at 2017-09-17 16:11:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.02 Mbit/s

95th percentile per-packet one-way delay: 35.422 ms

Loss rate: 0.29%

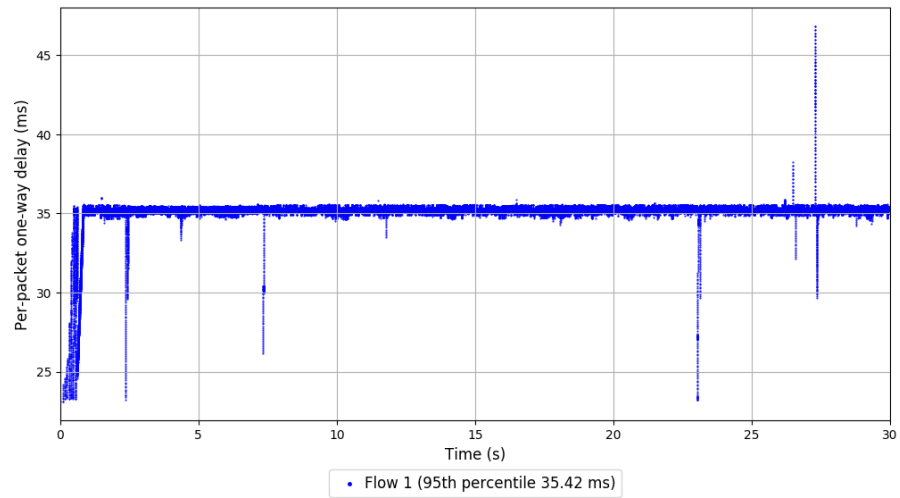
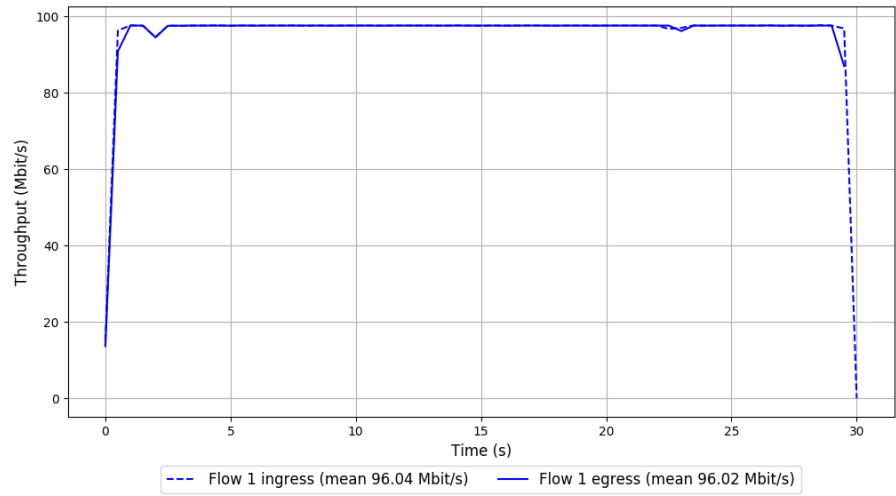
-- Flow 1:

Average throughput: 96.02 Mbit/s

95th percentile per-packet one-way delay: 35.422 ms

Loss rate: 0.29%

Run 6: Report of TCP Cubic — Data Link

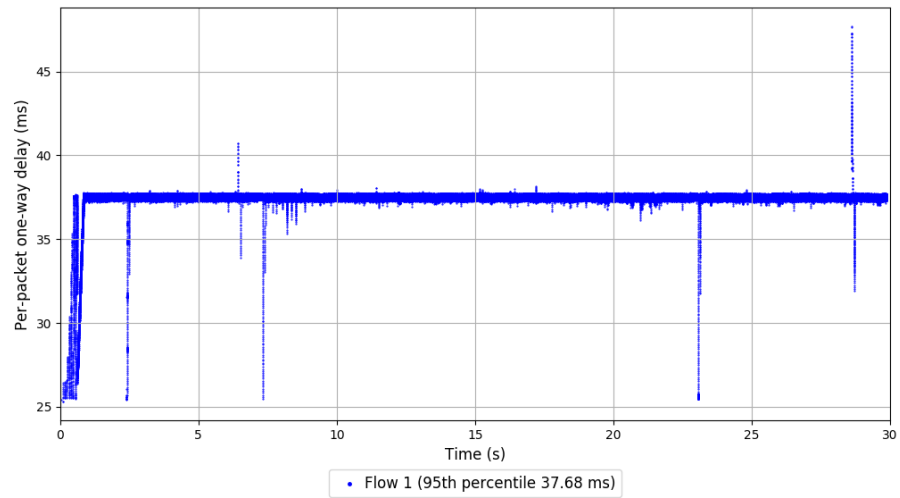
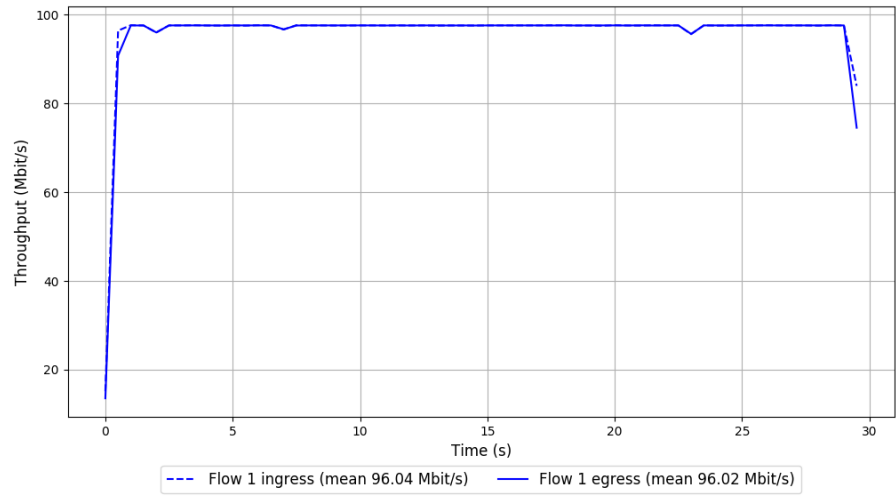


Run 7: Statistics of TCP Cubic

Start at: 2017-09-17 11:31:03
End at: 2017-09-17 11:31:33
Local clock offset: -1.853 ms
Remote clock offset: -1.283 ms

Below is generated by plot.py at 2017-09-17 16:11:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 37.680 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 37.680 ms
Loss rate: 0.29%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-09-17 11:51:19

End at: 2017-09-17 11:51:49

Local clock offset: -1.423 ms

Remote clock offset: -1.47 ms

Below is generated by plot.py at 2017-09-17 16:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 37.598 ms

Loss rate: 0.29%

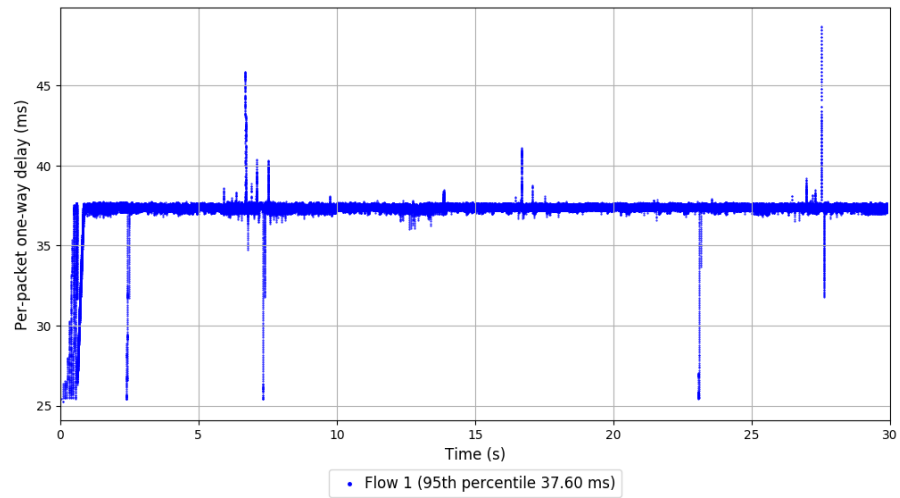
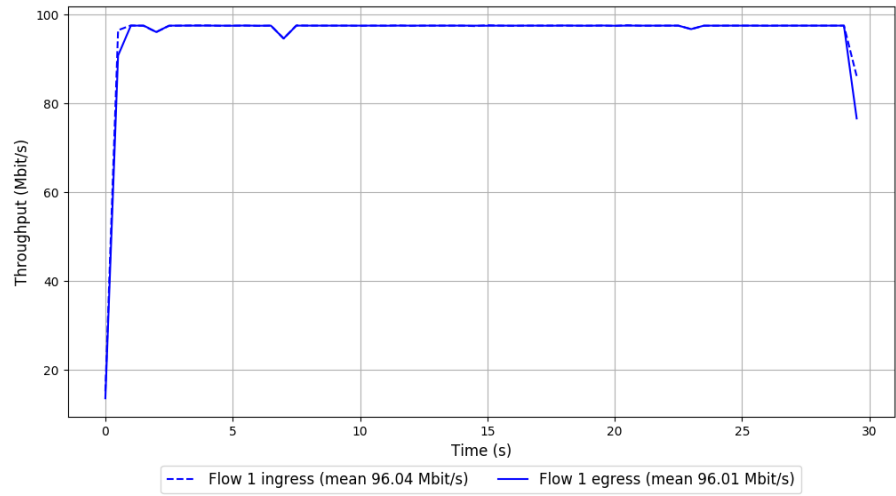
-- Flow 1:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 37.598 ms

Loss rate: 0.29%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

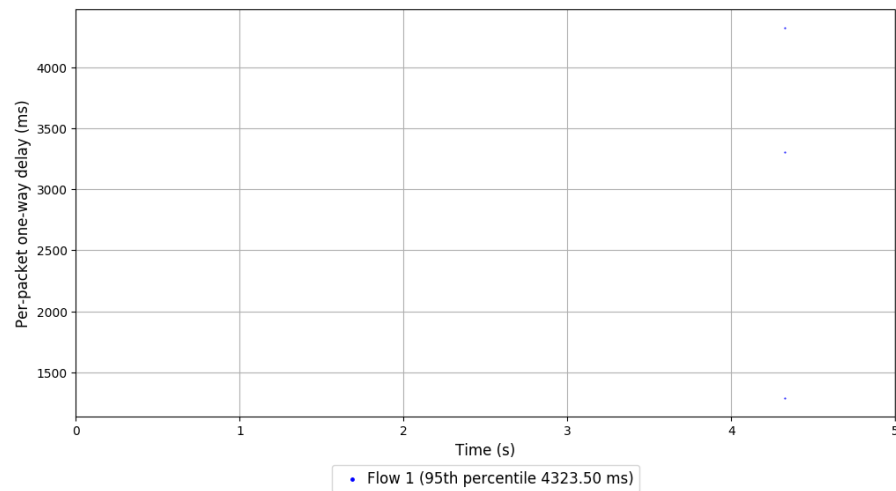
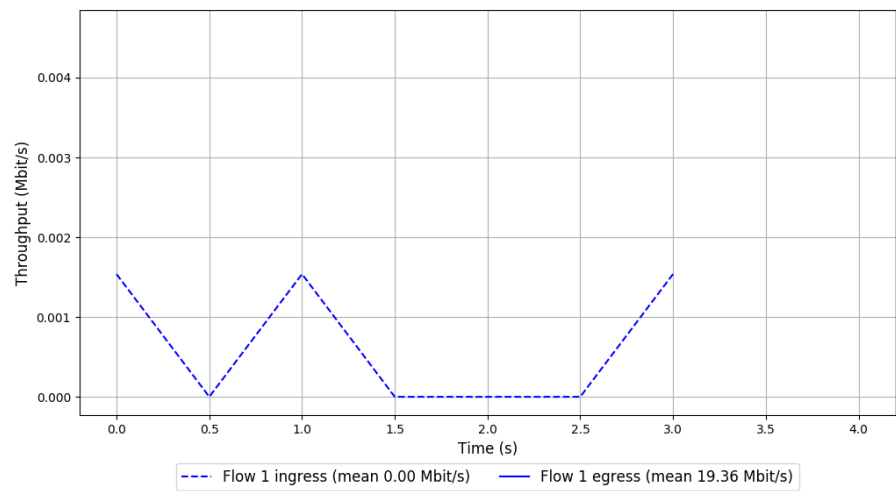
Start at: 2017-09-17 12:11:22

End at: 2017-09-17 12:11:52

Local clock offset: -1.501 ms

Remote clock offset: -1.755 ms

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-09-17 12:31:25

End at: 2017-09-17 12:31:55

Local clock offset: -1.16 ms

Remote clock offset: 0.254 ms

Below is generated by plot.py at 2017-09-17 16:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 35.555 ms

Loss rate: 0.29%

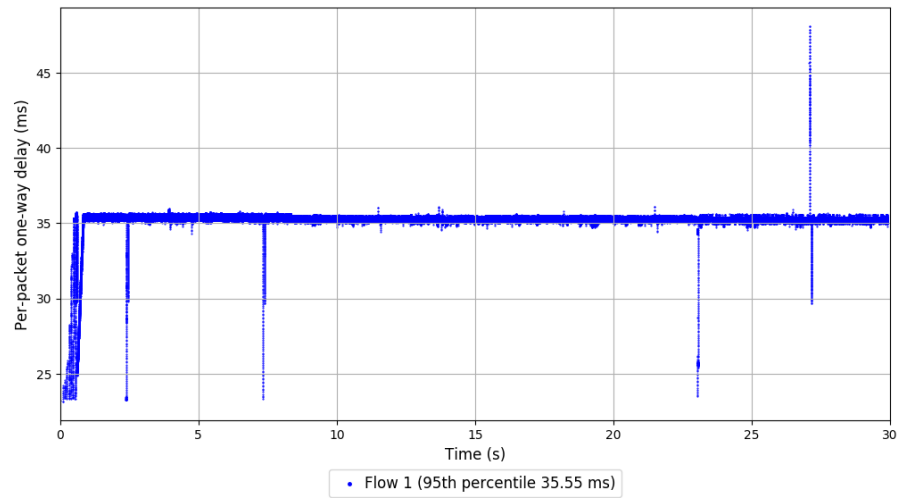
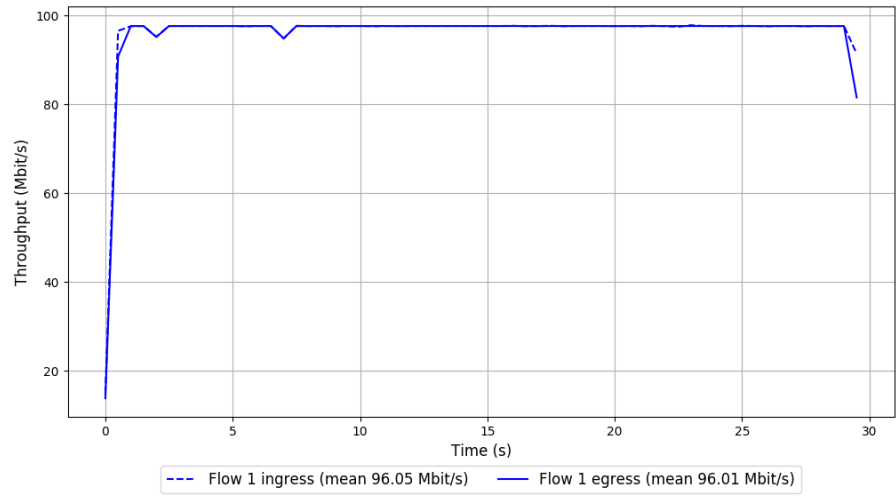
-- Flow 1:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 35.555 ms

Loss rate: 0.29%

Run 10: Report of TCP Cubic — Data Link

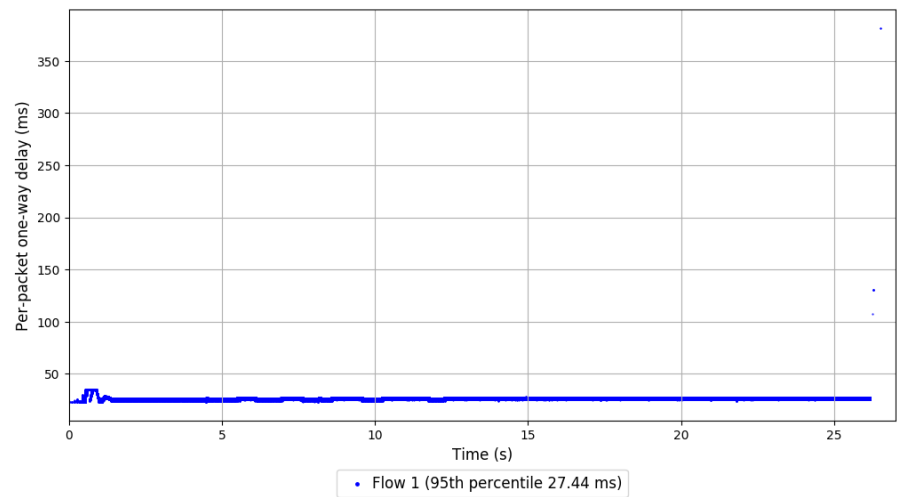
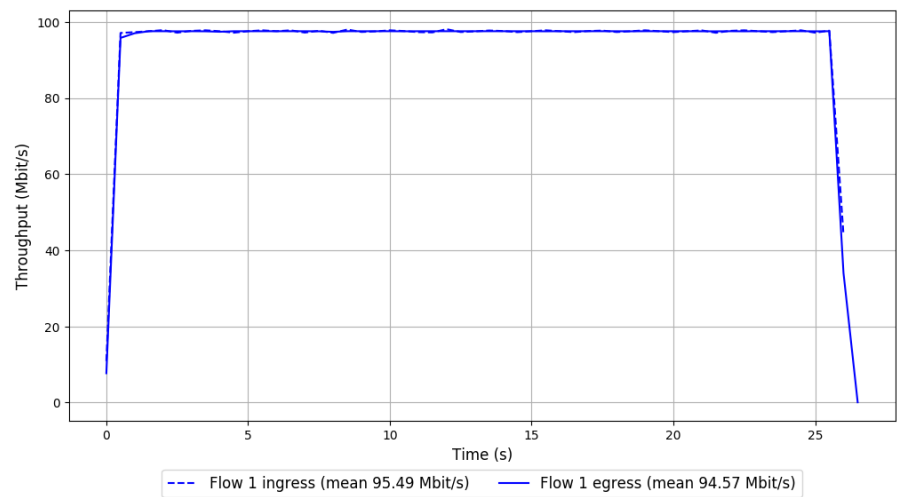


```
Run 1: Statistics of Indigo

Start at: 2017-09-17 09:15:55
End at: 2017-09-17 09:16:25
Local clock offset: -2.817 ms
Remote clock offset: -0.7 ms

# Below is generated by plot.py at 2017-09-17 16:11:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 27.443 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 27.443 ms
Loss rate: 0.30%
```


Run 1: Report of Indigo — Data Link

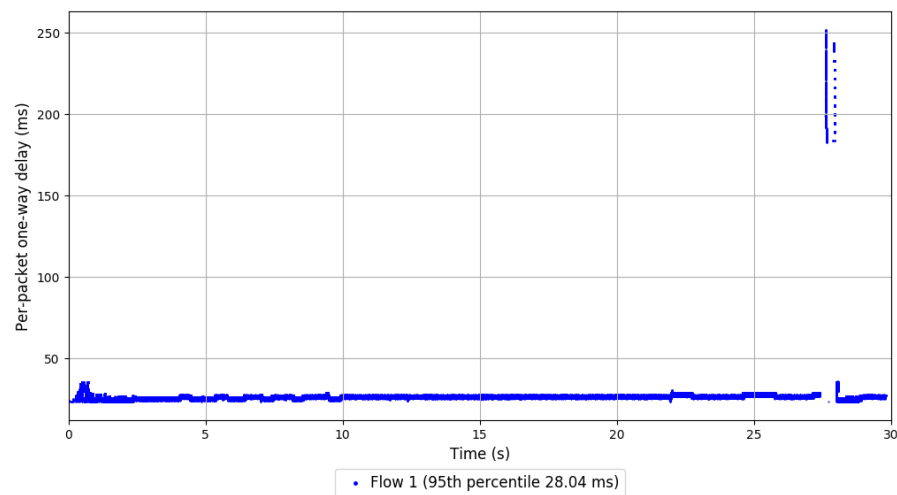
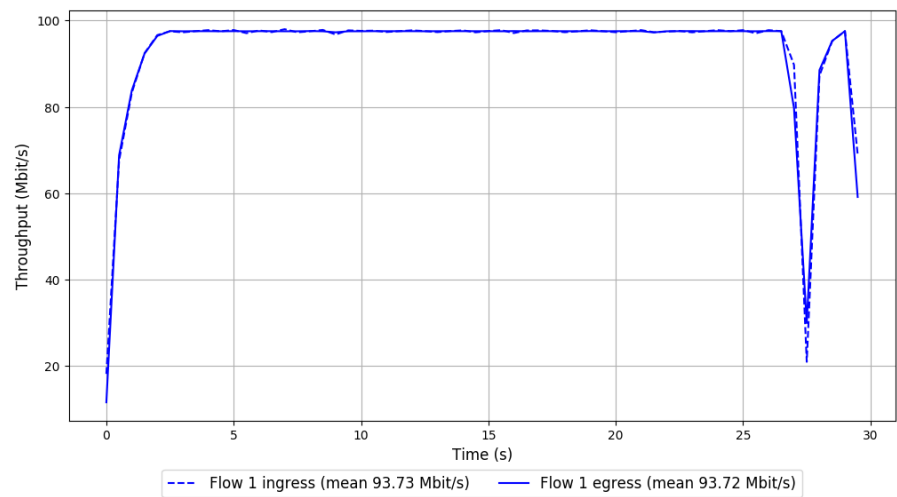


Run 2: Statistics of Indigo

Start at: 2017-09-17 09:36:02
End at: 2017-09-17 09:36:32
Local clock offset: -2.083 ms
Remote clock offset: -0.442 ms

Below is generated by plot.py at 2017-09-17 16:11:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 28.038 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 28.038 ms
Loss rate: 0.27%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-09-17 09:55:59

End at: 2017-09-17 09:56:29

Local clock offset: -2.747 ms

Remote clock offset: 0.147 ms

Below is generated by plot.py at 2017-09-17 16:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.58 Mbit/s

95th percentile per-packet one-way delay: 27.791 ms

Loss rate: 0.27%

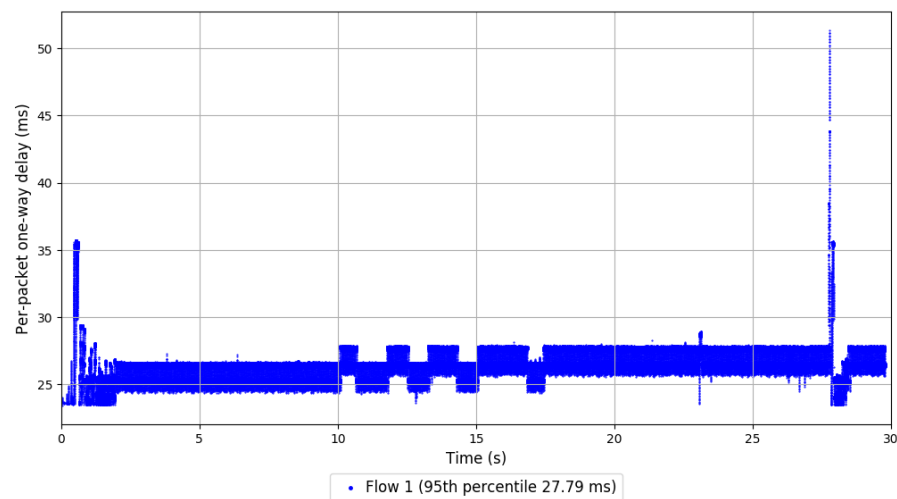
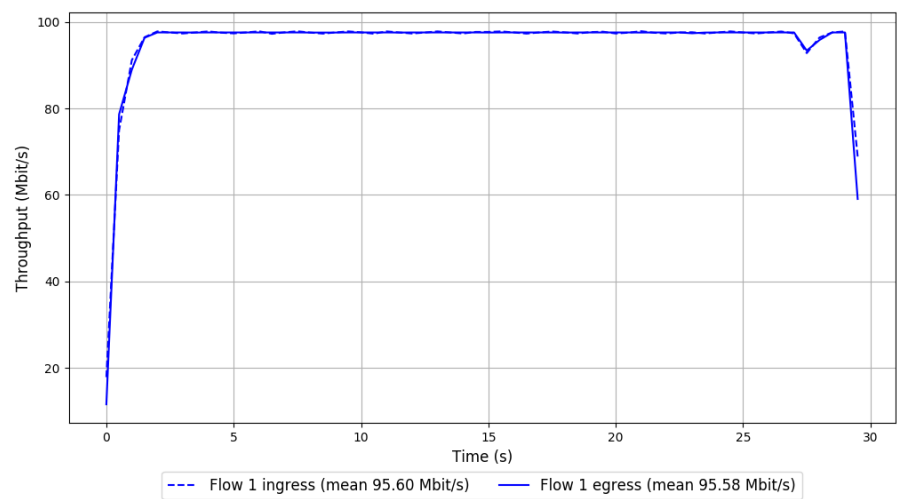
-- Flow 1:

Average throughput: 95.58 Mbit/s

95th percentile per-packet one-way delay: 27.791 ms

Loss rate: 0.27%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2017-09-17 10:16:02

End at: 2017-09-17 10:16:33

Local clock offset: -2.503 ms

Remote clock offset: 1.061 ms

Below is generated by plot.py at 2017-09-17 16:12:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 27.225 ms

Loss rate: 0.25%

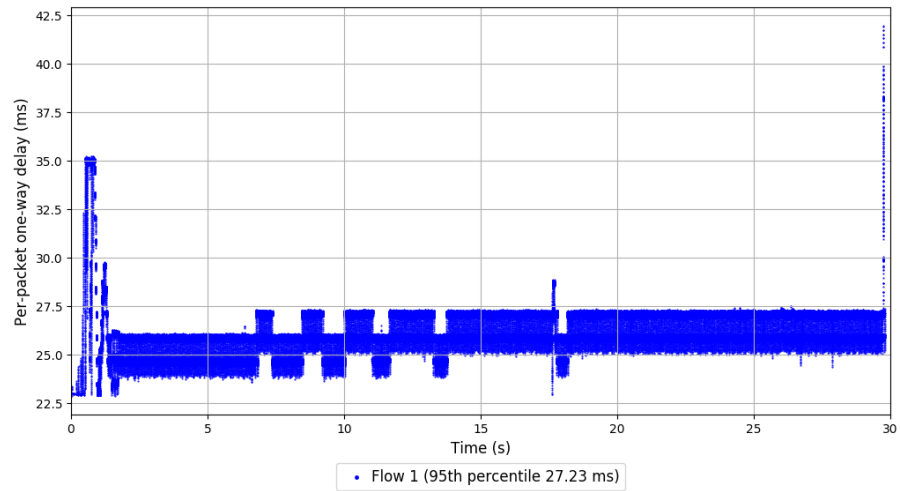
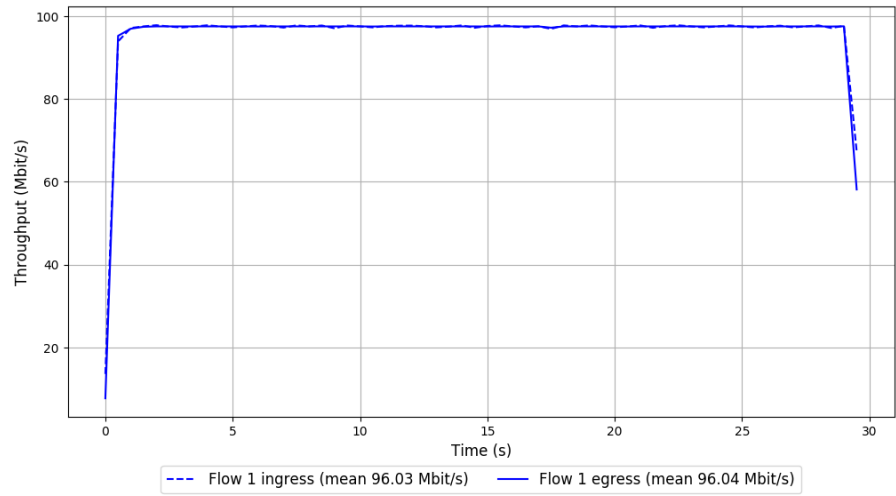
-- Flow 1:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 27.225 ms

Loss rate: 0.25%

Run 4: Report of Indigo — Data Link

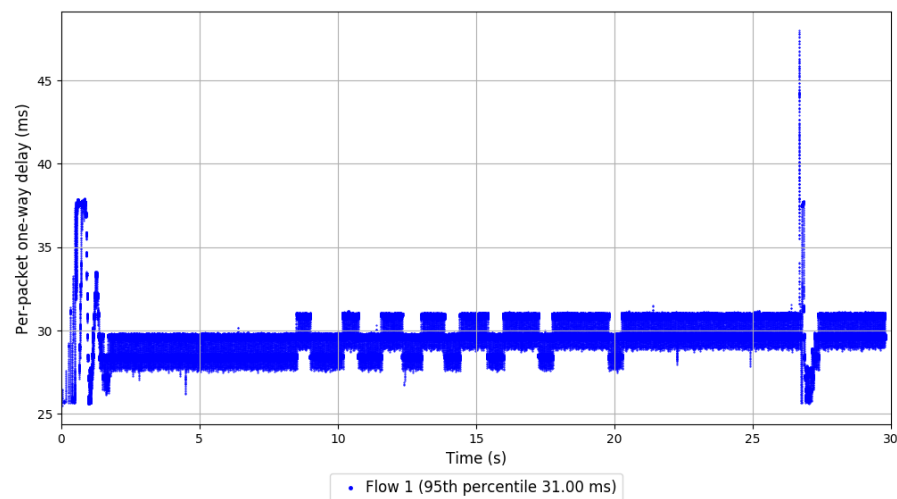
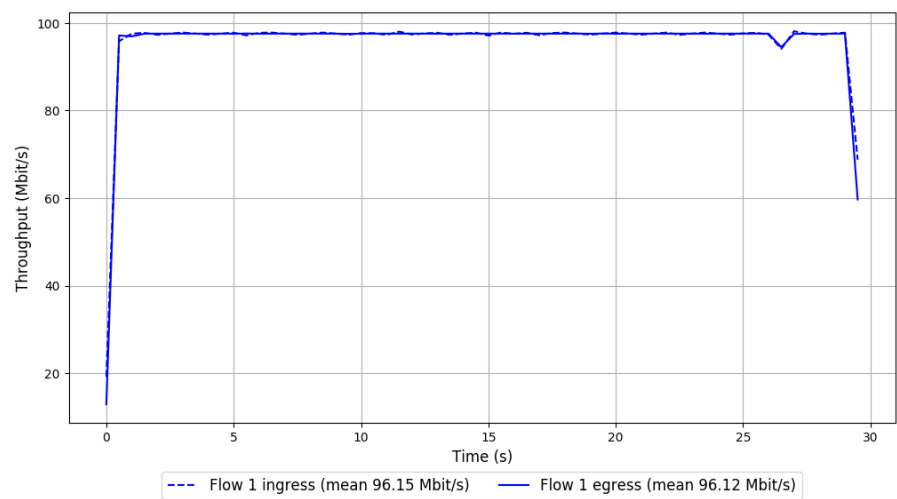


Run 5: Statistics of Indigo

Start at: 2017-09-17 10:36:06
End at: 2017-09-17 10:36:36
Local clock offset: -2.846 ms
Remote clock offset: -1.538 ms

Below is generated by plot.py at 2017-09-17 16:12:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 31.001 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 31.001 ms
Loss rate: 0.26%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-09-17 10:56:11

End at: 2017-09-17 10:56:41

Local clock offset: -2.456 ms

Remote clock offset: 0.735 ms

Below is generated by plot.py at 2017-09-17 16:12:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 28.088 ms

Loss rate: 0.29%

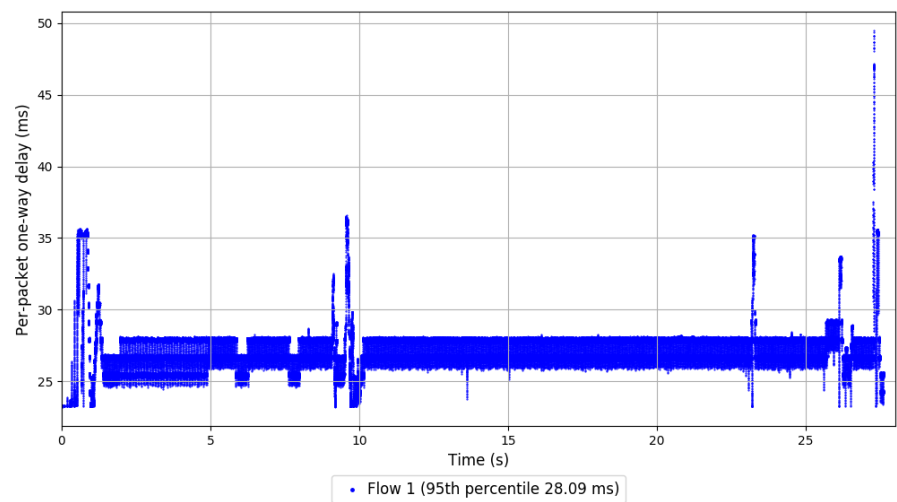
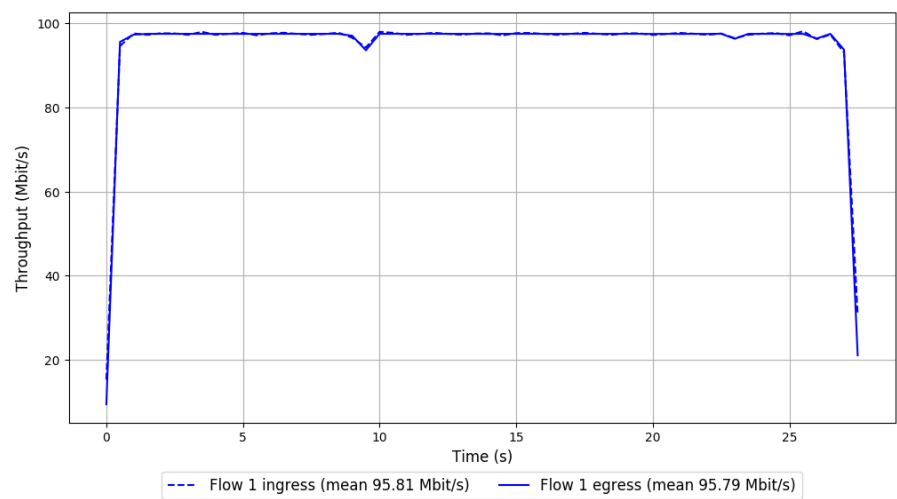
-- Flow 1:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 28.088 ms

Loss rate: 0.29%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-09-17 11:16:16

End at: 2017-09-17 11:16:46

Local clock offset: -2.758 ms

Remote clock offset: 0.719 ms

Below is generated by plot.py at 2017-09-17 16:12:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.09 Mbit/s

95th percentile per-packet one-way delay: 28.327 ms

Loss rate: 0.34%

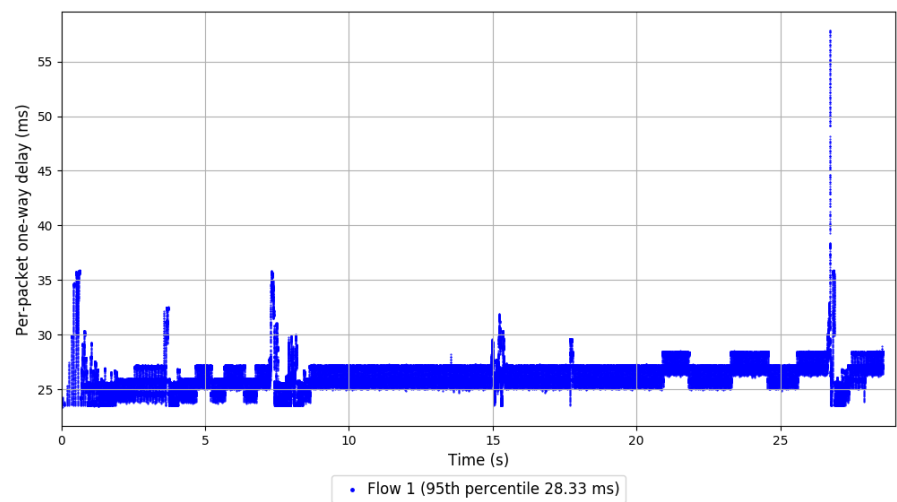
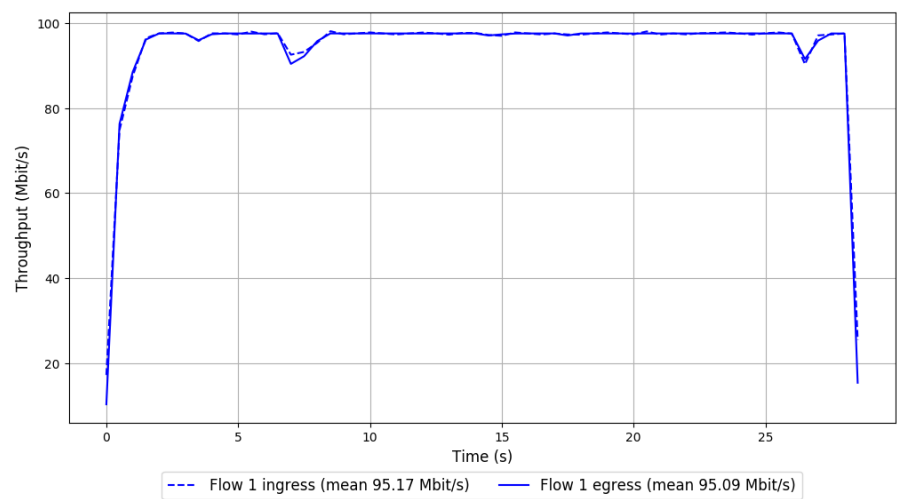
-- Flow 1:

Average throughput: 95.09 Mbit/s

95th percentile per-packet one-way delay: 28.327 ms

Loss rate: 0.34%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-09-17 11:36:25

End at: 2017-09-17 11:36:55

Local clock offset: -1.795 ms

Remote clock offset: 0.751 ms

Below is generated by plot.py at 2017-09-17 16:12:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 28.183 ms

Loss rate: 0.28%

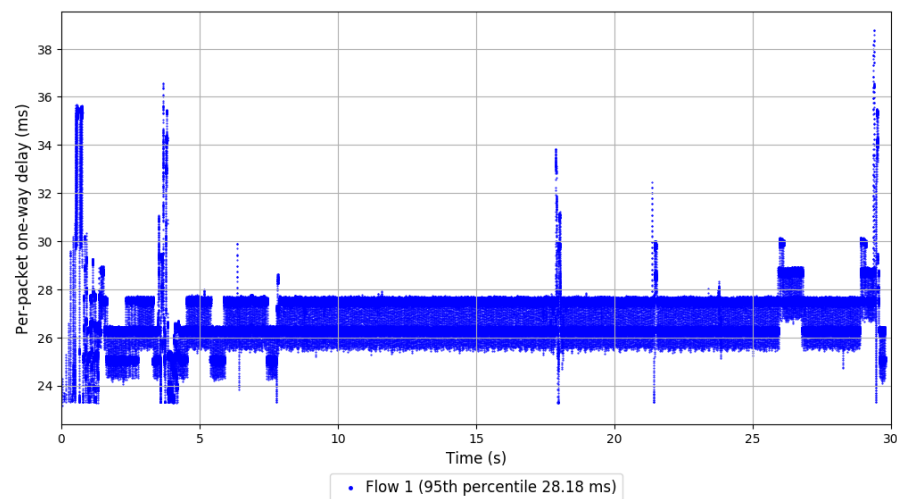
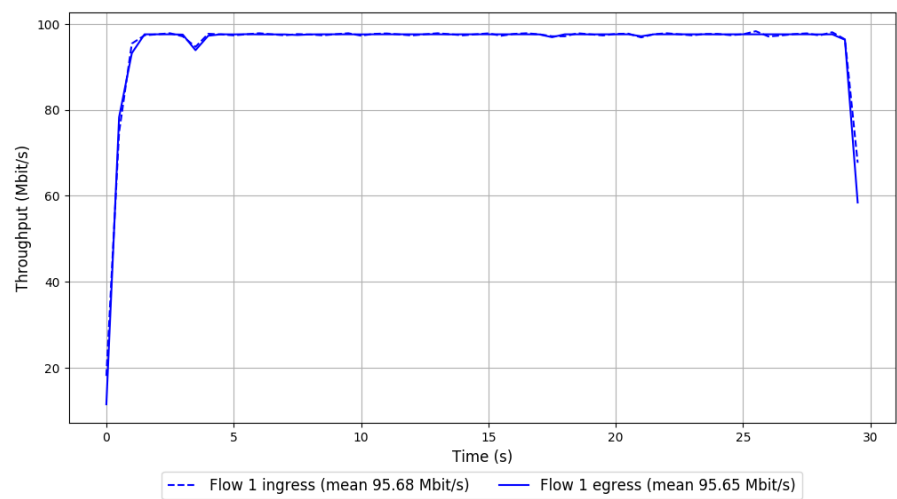
-- Flow 1:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 28.183 ms

Loss rate: 0.28%

Run 8: Report of Indigo — Data Link

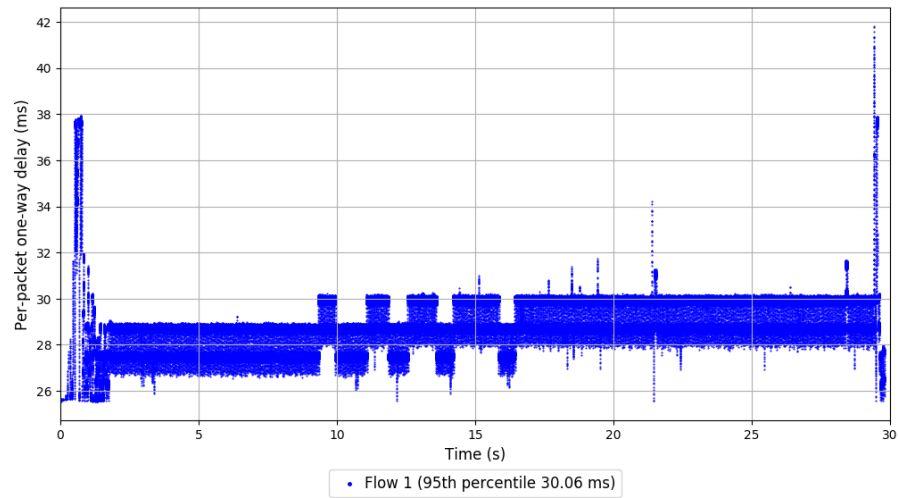
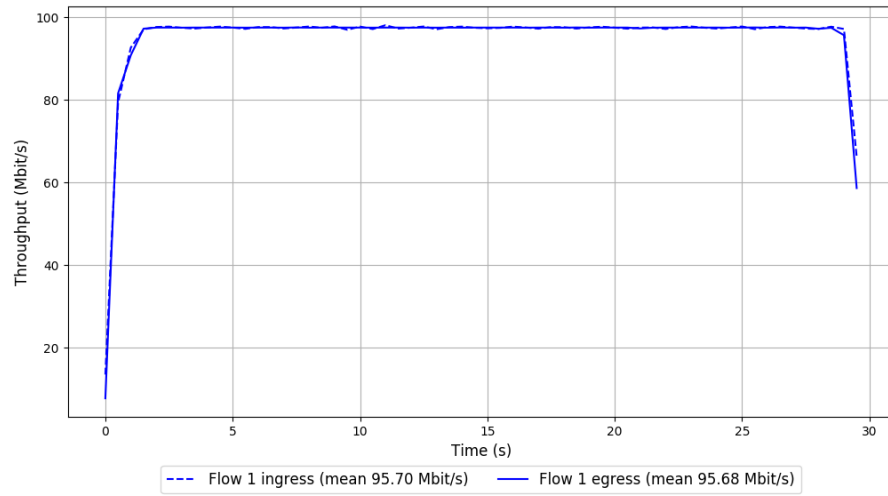


Run 9: Statistics of Indigo

Start at: 2017-09-17 11:56:39
End at: 2017-09-17 11:57:09
Local clock offset: -1.382 ms
Remote clock offset: -1.623 ms

Below is generated by plot.py at 2017-09-17 16:12:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 30.061 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 30.061 ms
Loss rate: 0.26%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-09-17 12:16:38

End at: 2017-09-17 12:17:08

Local clock offset: -1.385 ms

Remote clock offset: 0.797 ms

Below is generated by plot.py at 2017-09-17 16:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 27.578 ms

Loss rate: 0.26%

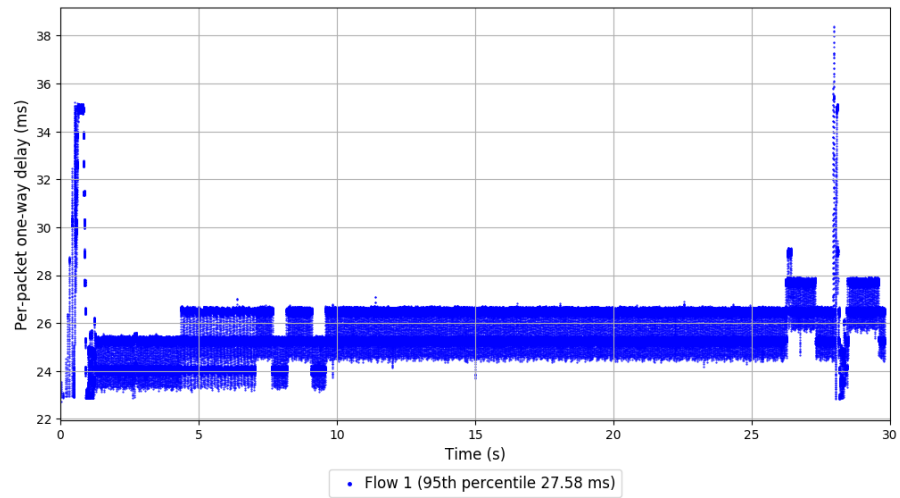
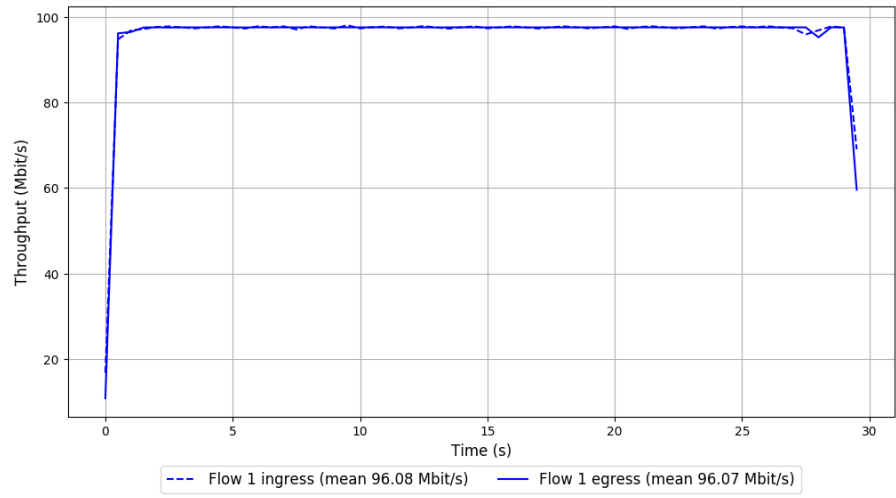
-- Flow 1:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 27.578 ms

Loss rate: 0.26%

Run 10: Report of Indigo — Data Link

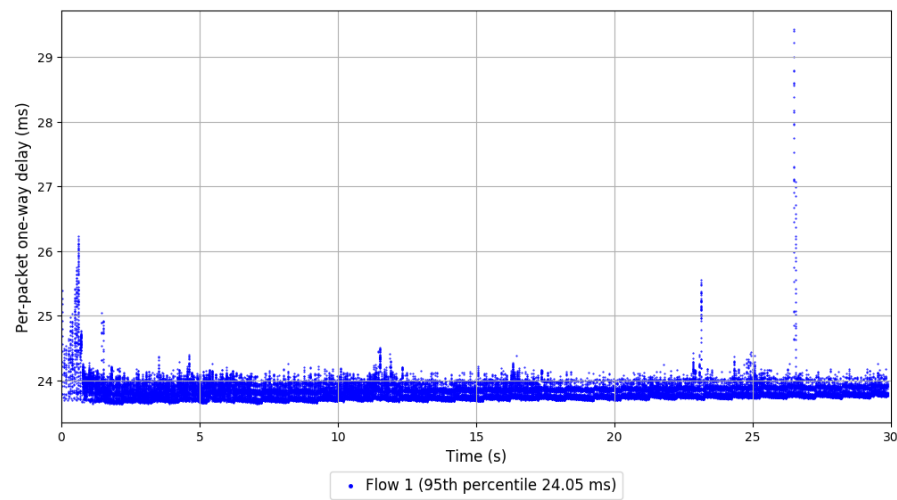
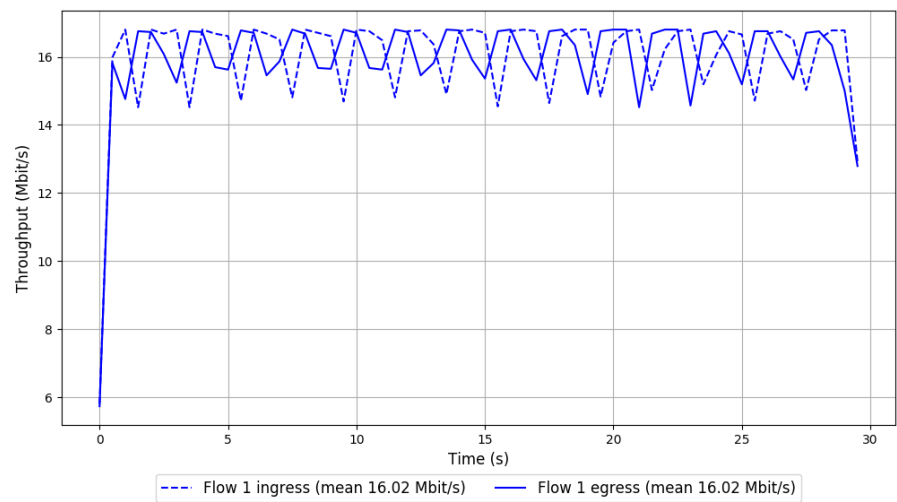


```
Run 1: Statistics of KohoCC

Start at: 2017-09-17 09:14:37
End at: 2017-09-17 09:15:07
Local clock offset: -2.427 ms
Remote clock offset: -1.21 ms

# Below is generated by plot.py at 2017-09-17 16:13:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.02 Mbit/s
95th percentile per-packet one-way delay: 24.048 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 16.02 Mbit/s
95th percentile per-packet one-way delay: 24.048 ms
Loss rate: 0.25%
```

Run 1: Report of KohoCC — Data Link

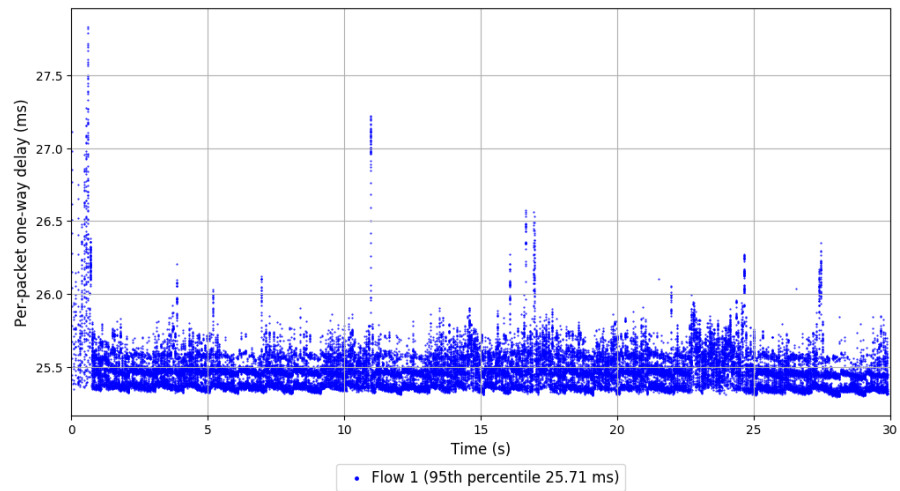
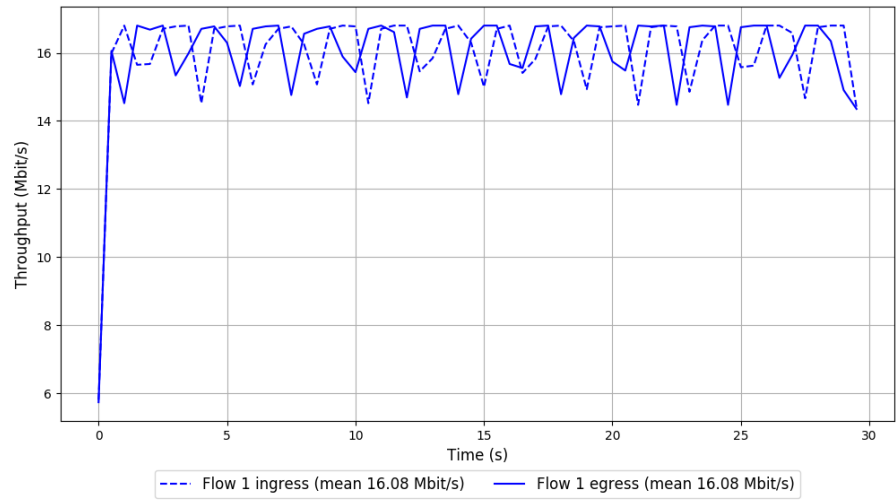


Run 2: Statistics of KohoCC

Start at: 2017-09-17 09:34:44
End at: 2017-09-17 09:35:14
Local clock offset: -2.297 ms
Remote clock offset: -2.538 ms

Below is generated by plot.py at 2017-09-17 16:13:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.08 Mbit/s
95th percentile per-packet one-way delay: 25.714 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 16.08 Mbit/s
95th percentile per-packet one-way delay: 25.714 ms
Loss rate: 0.25%

Run 2: Report of KohoCC — Data Link

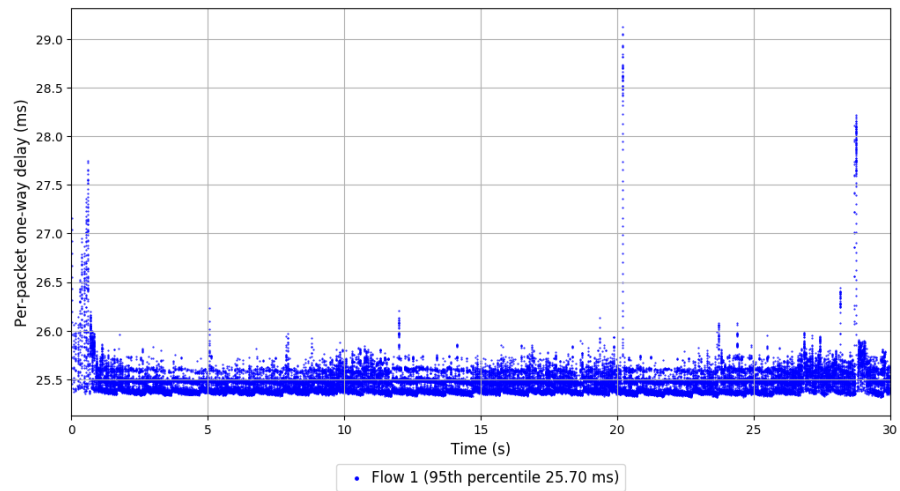
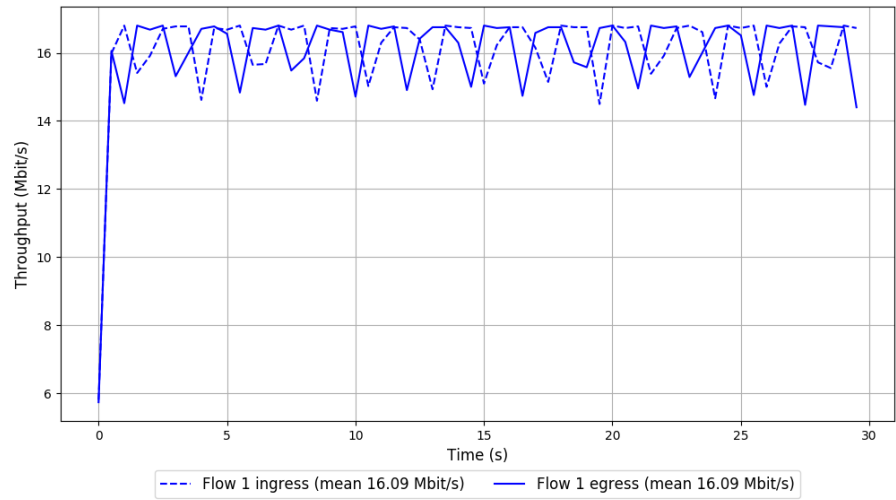


Run 3: Statistics of KohoCC

Start at: 2017-09-17 09:54:41
End at: 2017-09-17 09:55:11
Local clock offset: -2.96 ms
Remote clock offset: -1.898 ms

Below is generated by plot.py at 2017-09-17 16:13:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.09 Mbit/s
95th percentile per-packet one-way delay: 25.703 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 16.09 Mbit/s
95th percentile per-packet one-way delay: 25.703 ms
Loss rate: 0.25%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: 2017-09-17 10:14:45

End at: 2017-09-17 10:15:15

Local clock offset: -2.586 ms

Remote clock offset: 0.502 ms

Below is generated by plot.py at 2017-09-17 16:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.10 Mbit/s

95th percentile per-packet one-way delay: 23.777 ms

Loss rate: 0.25%

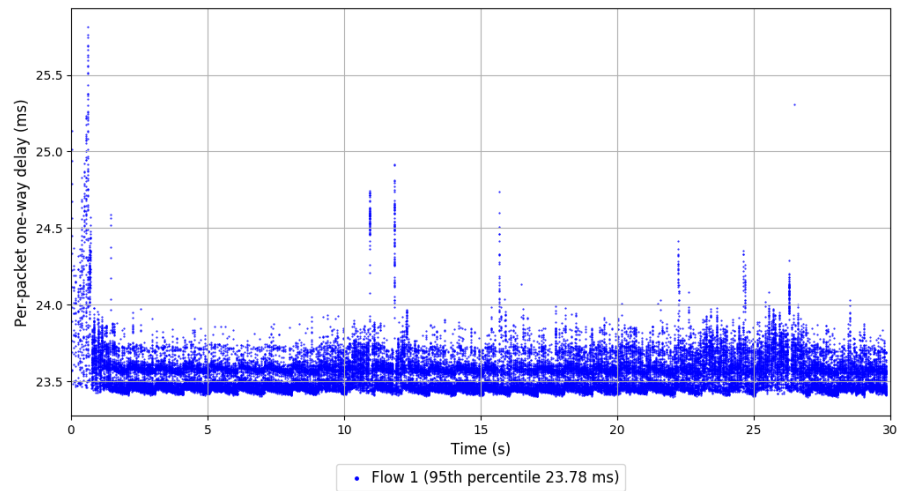
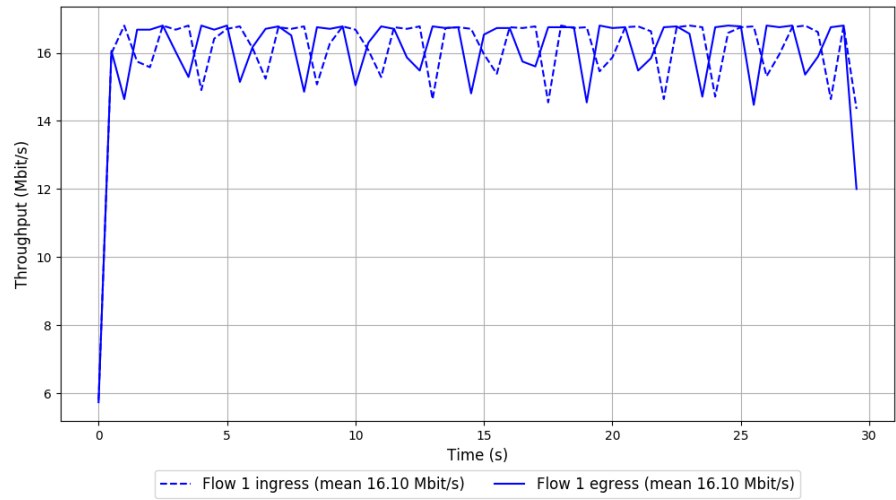
-- Flow 1:

Average throughput: 16.10 Mbit/s

95th percentile per-packet one-way delay: 23.777 ms

Loss rate: 0.25%

Run 4: Report of KohoCC — Data Link

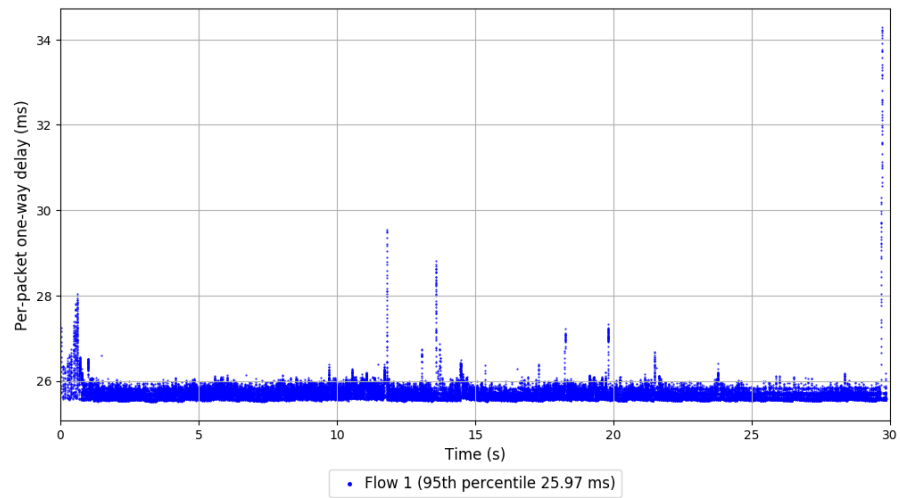
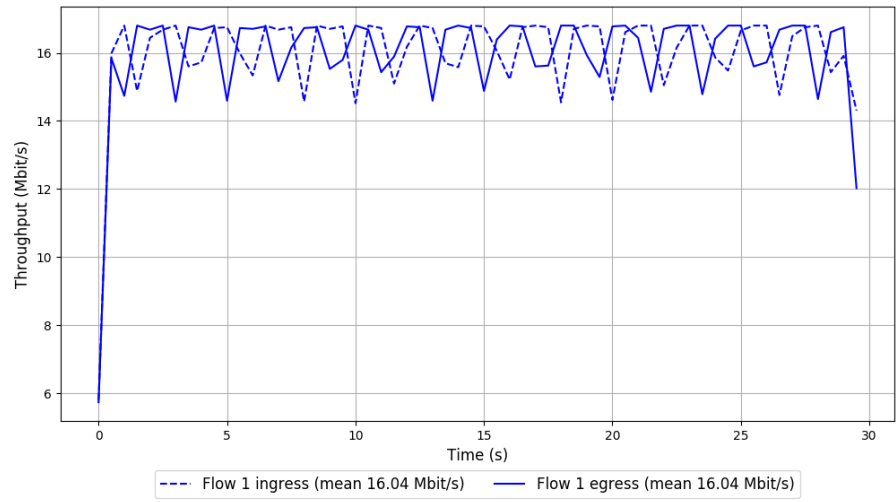


Run 5: Statistics of KohoCC

Start at: 2017-09-17 10:34:49
End at: 2017-09-17 10:35:19
Local clock offset: -2.876 ms
Remote clock offset: -1.471 ms

Below is generated by plot.py at 2017-09-17 16:13:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.04 Mbit/s
95th percentile per-packet one-way delay: 25.966 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 16.04 Mbit/s
95th percentile per-packet one-way delay: 25.966 ms
Loss rate: 0.25%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: 2017-09-17 10:54:53

End at: 2017-09-17 10:55:23

Local clock offset: -2.365 ms

Remote clock offset: 1.178 ms

Below is generated by plot.py at 2017-09-17 16:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.05 Mbit/s

95th percentile per-packet one-way delay: 23.350 ms

Loss rate: 0.25%

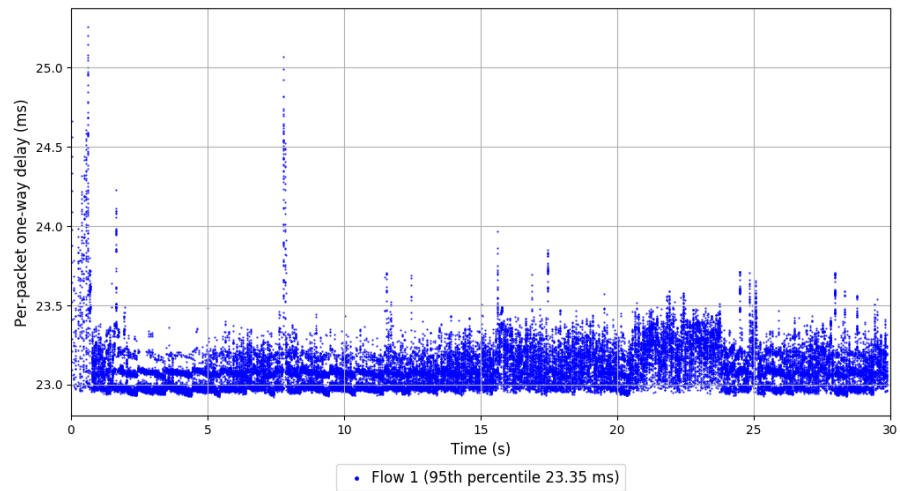
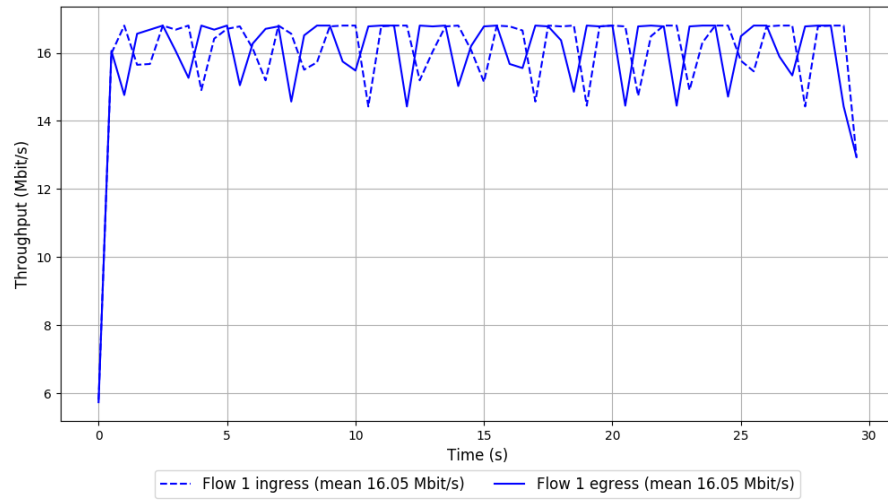
-- Flow 1:

Average throughput: 16.05 Mbit/s

95th percentile per-packet one-way delay: 23.350 ms

Loss rate: 0.25%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: 2017-09-17 11:14:58

End at: 2017-09-17 11:15:28

Local clock offset: -2.723 ms

Remote clock offset: 1.051 ms

Below is generated by plot.py at 2017-09-17 16:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.10 Mbit/s

95th percentile per-packet one-way delay: 23.324 ms

Loss rate: 0.25%

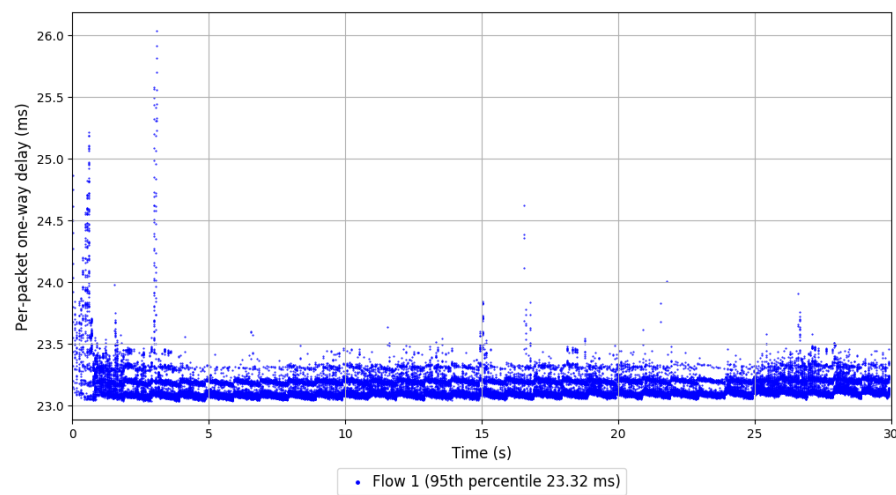
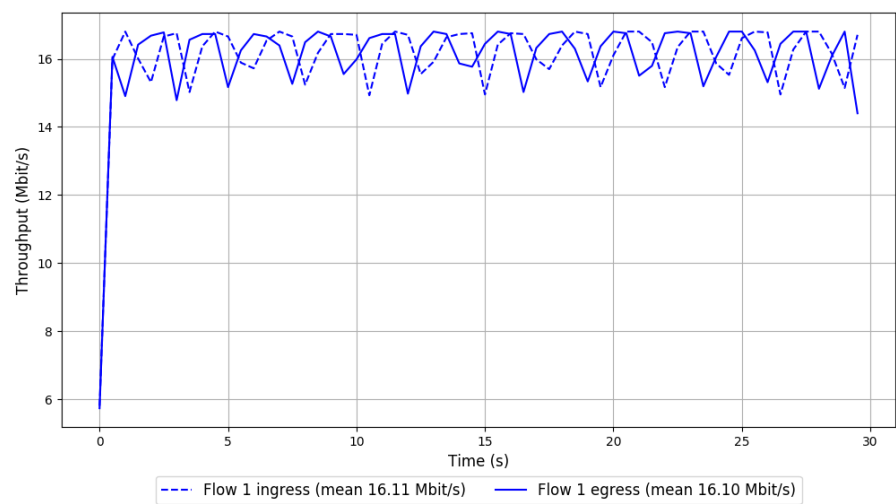
-- Flow 1:

Average throughput: 16.10 Mbit/s

95th percentile per-packet one-way delay: 23.324 ms

Loss rate: 0.25%

Run 7: Report of KohoCC — Data Link

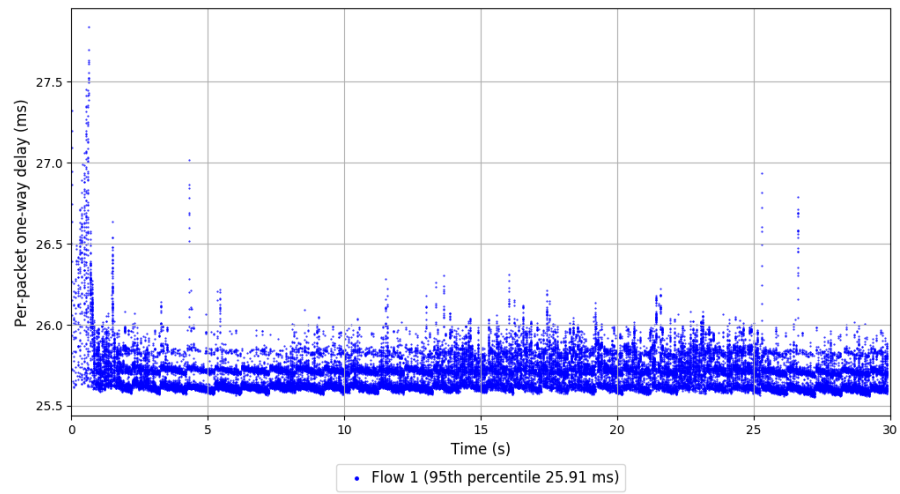
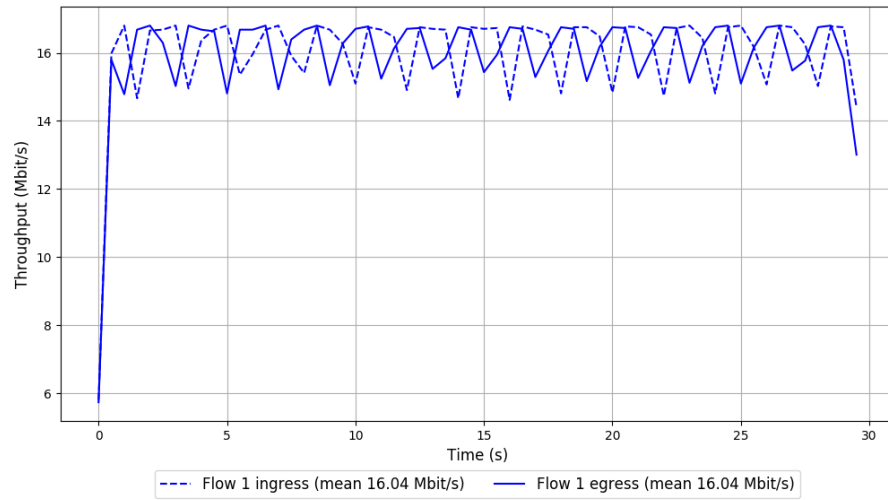


Run 8: Statistics of KohoCC

Start at: 2017-09-17 11:35:07
End at: 2017-09-17 11:35:37
Local clock offset: -1.733 ms
Remote clock offset: -1.389 ms

Below is generated by plot.py at 2017-09-17 16:13:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.04 Mbit/s
95th percentile per-packet one-way delay: 25.912 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 16.04 Mbit/s
95th percentile per-packet one-way delay: 25.912 ms
Loss rate: 0.25%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: 2017-09-17 11:55:22

End at: 2017-09-17 11:55:52

Local clock offset: -1.393 ms

Remote clock offset: 1.059 ms

Below is generated by plot.py at 2017-09-17 16:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.40 Mbit/s

95th percentile per-packet one-way delay: 23.250 ms

Loss rate: 0.24%

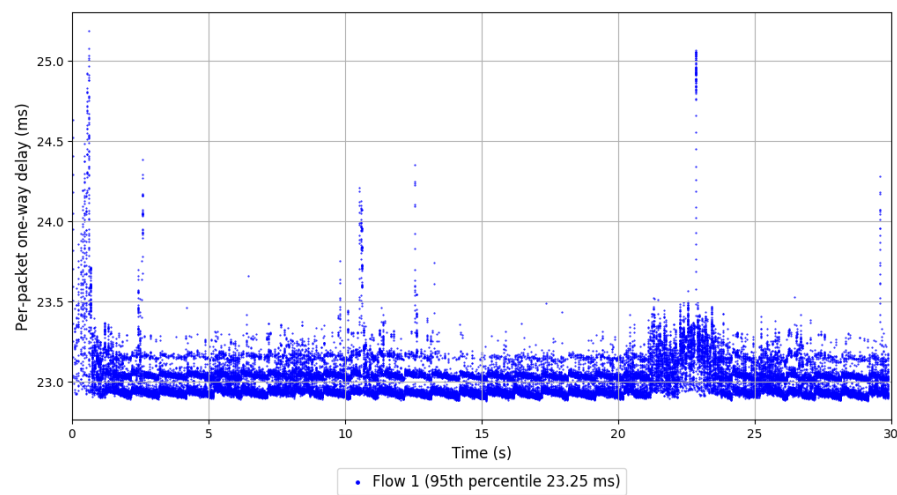
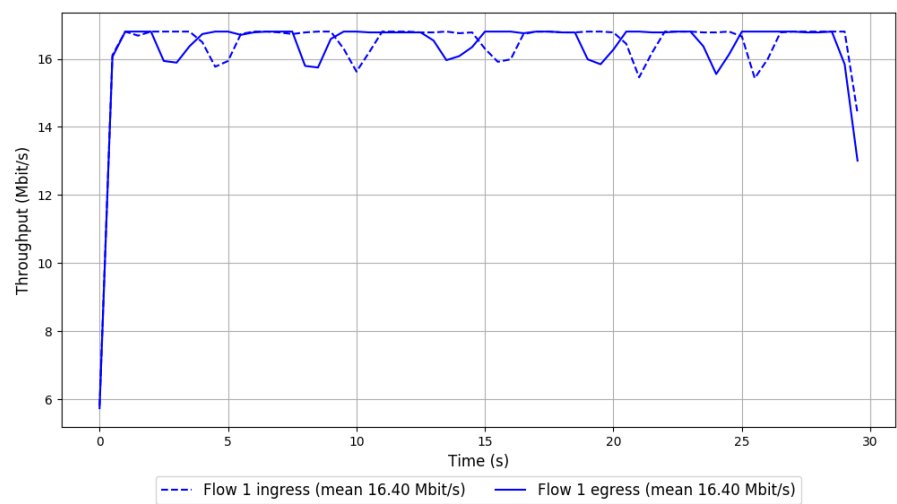
-- Flow 1:

Average throughput: 16.40 Mbit/s

95th percentile per-packet one-way delay: 23.250 ms

Loss rate: 0.24%

Run 9: Report of KohoCC — Data Link

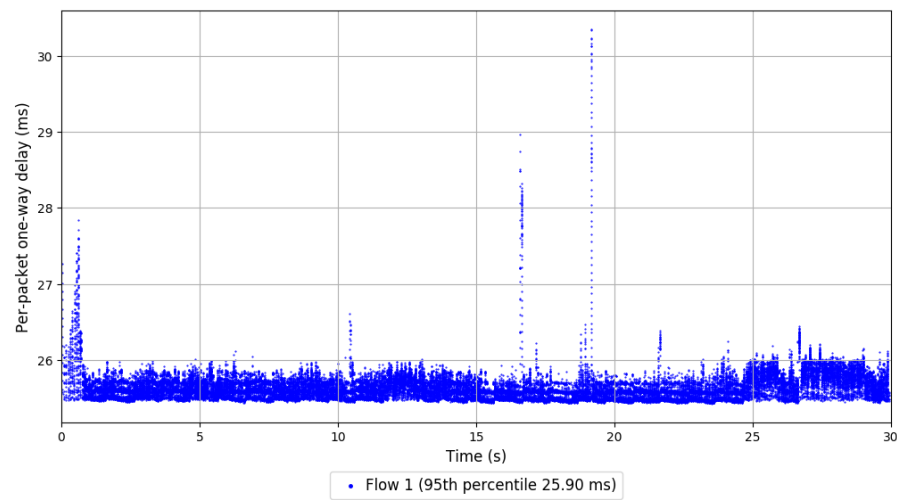
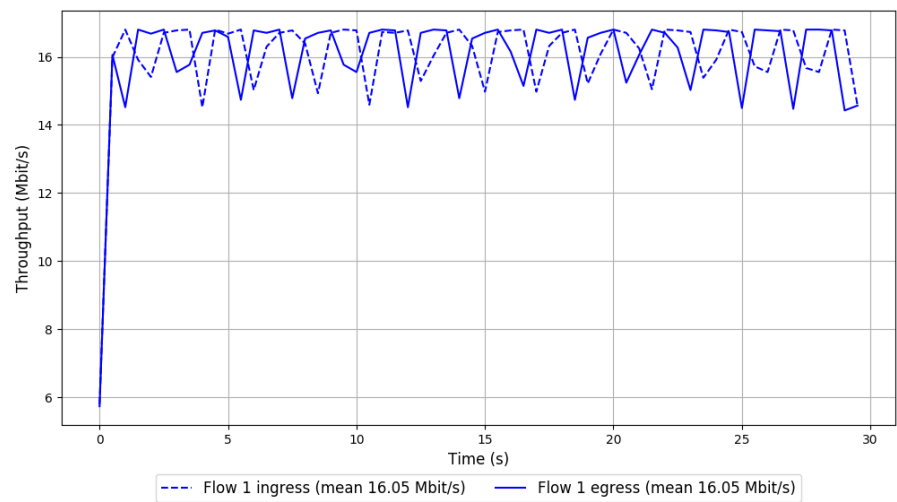


Run 10: Statistics of KohoCC

Start at: 2017-09-17 12:15:20
End at: 2017-09-17 12:15:50
Local clock offset: -1.532 ms
Remote clock offset: -1.878 ms

Below is generated by plot.py at 2017-09-17 16:13:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.05 Mbit/s
95th percentile per-packet one-way delay: 25.896 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 16.05 Mbit/s
95th percentile per-packet one-way delay: 25.896 ms
Loss rate: 0.25%

Run 10: Report of KohoCC — Data Link

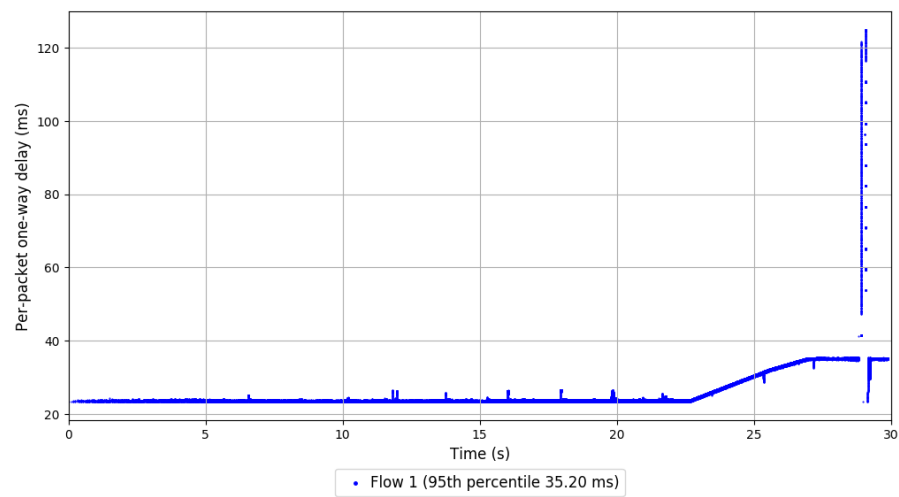
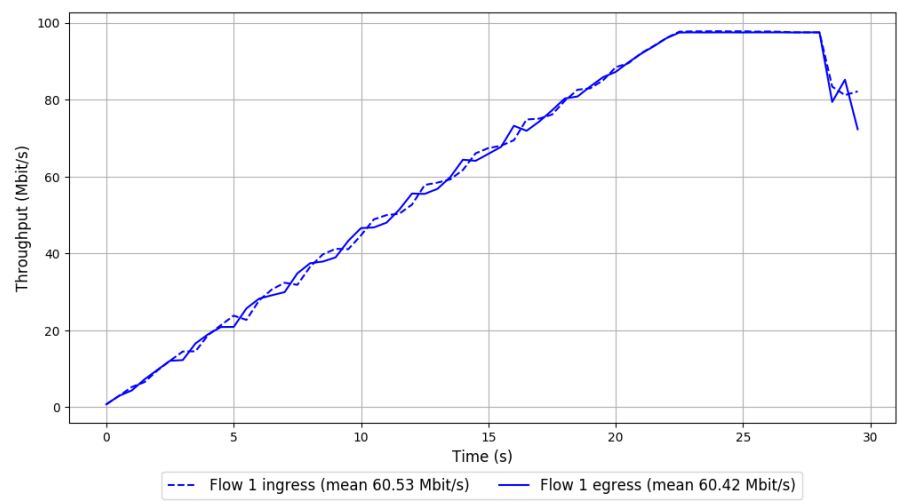


Run 1: Statistics of LEDBAT

Start at: 2017-09-17 09:24:07
End at: 2017-09-17 09:24:37
Local clock offset: -2.739 ms
Remote clock offset: -0.802 ms

Below is generated by plot.py at 2017-09-17 16:13:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.42 Mbit/s
95th percentile per-packet one-way delay: 35.203 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 60.42 Mbit/s
95th percentile per-packet one-way delay: 35.203 ms
Loss rate: 0.46%

Run 1: Report of LEDBAT — Data Link

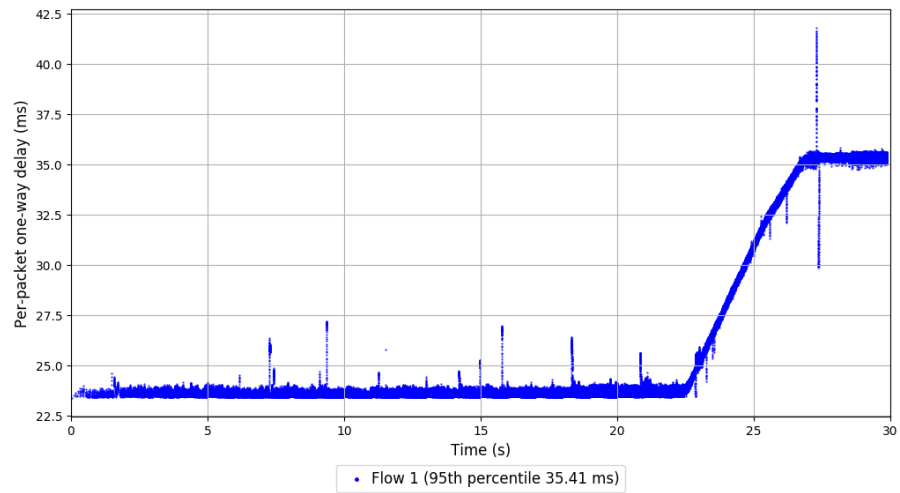
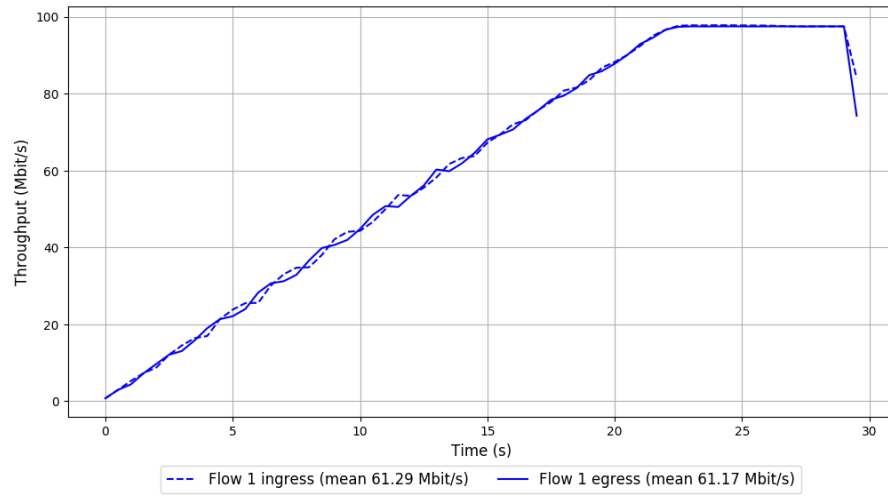


Run 2: Statistics of LEDBAT

Start at: 2017-09-17 09:44:07
End at: 2017-09-17 09:44:37
Local clock offset: -2.085 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2017-09-17 16:14:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.17 Mbit/s
95th percentile per-packet one-way delay: 35.409 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 61.17 Mbit/s
95th percentile per-packet one-way delay: 35.409 ms
Loss rate: 0.46%

Run 2: Report of LEDBAT — Data Link

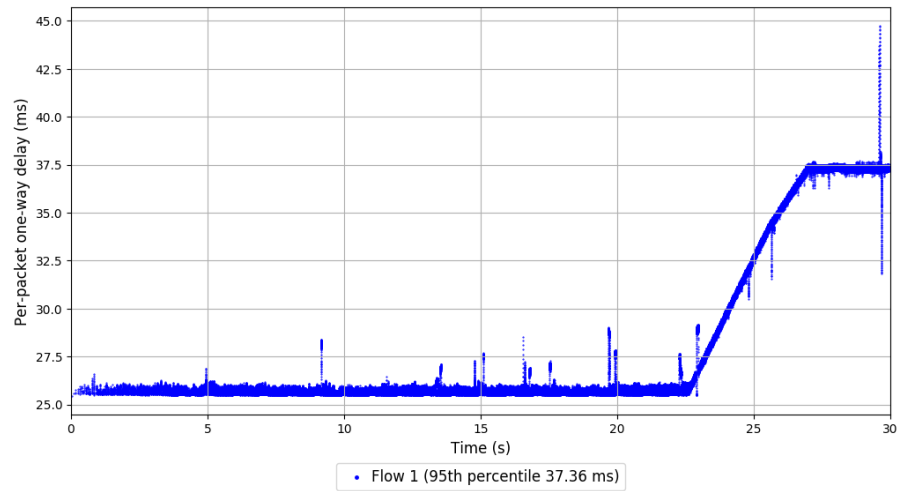
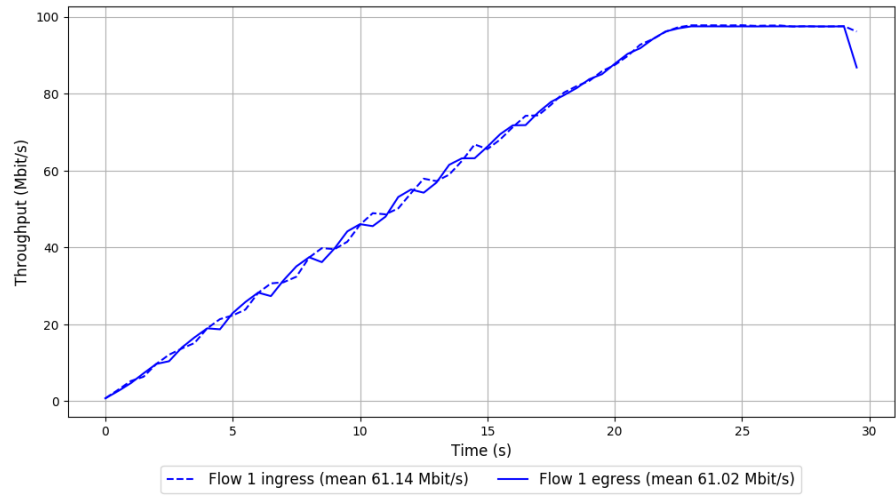


Run 3: Statistics of LEDBAT

Start at: 2017-09-17 10:04:10
End at: 2017-09-17 10:04:40
Local clock offset: -2.576 ms
Remote clock offset: -1.704 ms

Below is generated by plot.py at 2017-09-17 16:14:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.02 Mbit/s
95th percentile per-packet one-way delay: 37.361 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 61.02 Mbit/s
95th percentile per-packet one-way delay: 37.361 ms
Loss rate: 0.46%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-09-17 10:24:14

End at: 2017-09-17 10:24:45

Local clock offset: -2.421 ms

Remote clock offset: -1.35 ms

Below is generated by plot.py at 2017-09-17 16:14:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.80 Mbit/s

95th percentile per-packet one-way delay: 37.398 ms

Loss rate: 0.46%

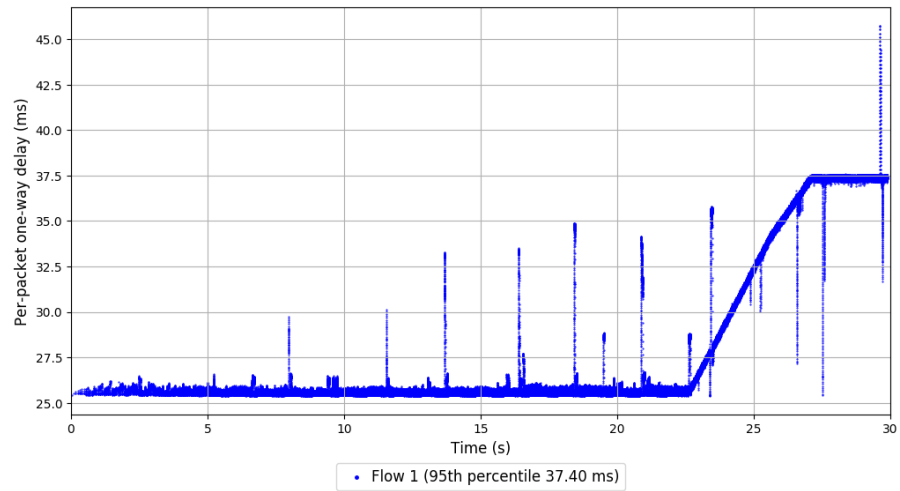
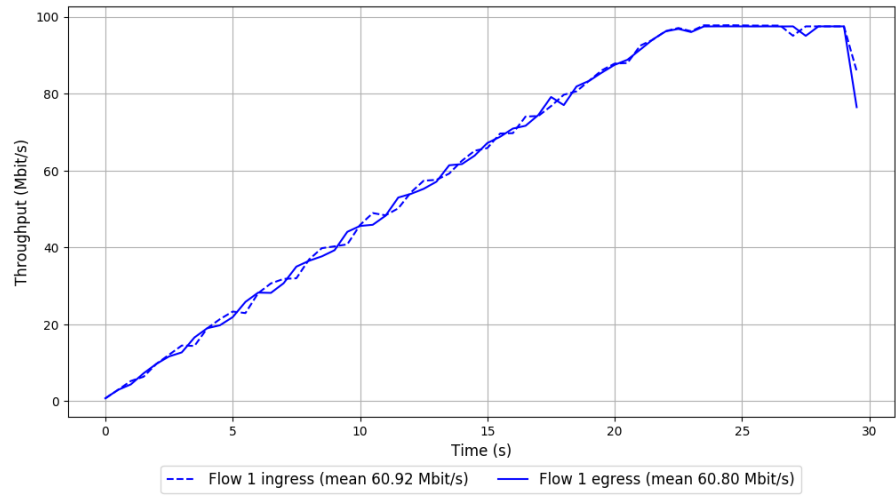
-- Flow 1:

Average throughput: 60.80 Mbit/s

95th percentile per-packet one-way delay: 37.398 ms

Loss rate: 0.46%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2017-09-17 10:44:17

End at: 2017-09-17 10:44:47

Local clock offset: -3.026 ms

Remote clock offset: 1.163 ms

Below is generated by plot.py at 2017-09-17 16:14:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.43 Mbit/s

95th percentile per-packet one-way delay: 27.743 ms

Loss rate: 0.19%

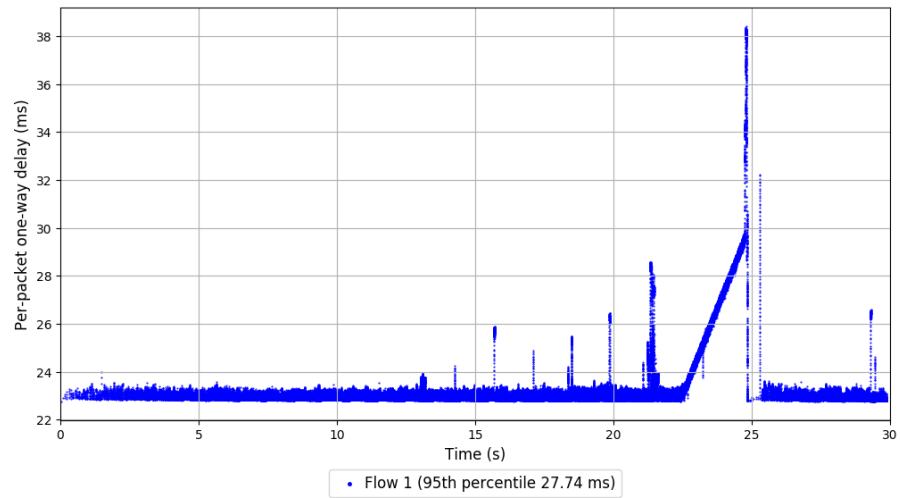
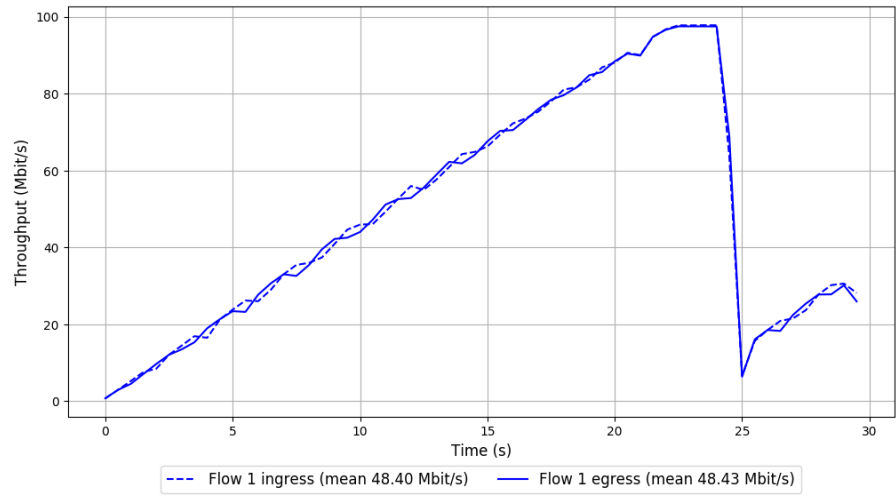
-- Flow 1:

Average throughput: 48.43 Mbit/s

95th percentile per-packet one-way delay: 27.743 ms

Loss rate: 0.19%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-09-17 11:04:22

End at: 2017-09-17 11:04:52

Local clock offset: -2.446 ms

Remote clock offset: 1.069 ms

Below is generated by plot.py at 2017-09-17 16:14:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.20 Mbit/s

95th percentile per-packet one-way delay: 34.746 ms

Loss rate: 0.45%

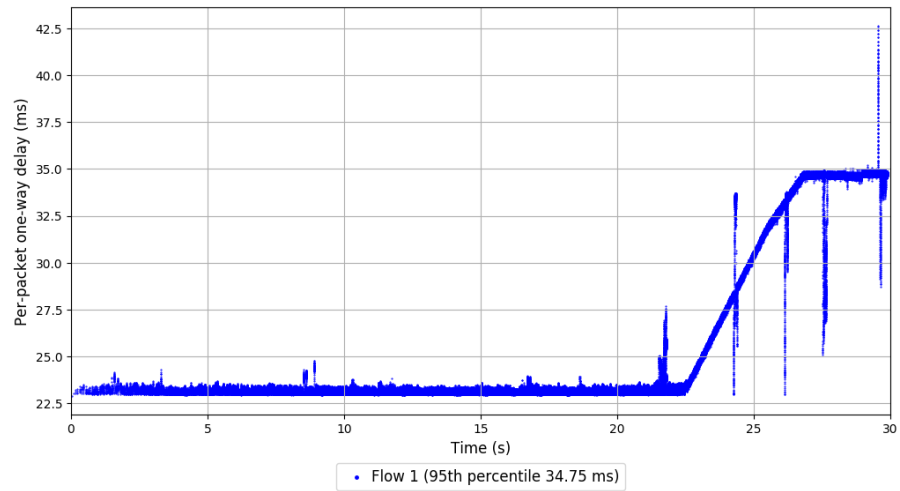
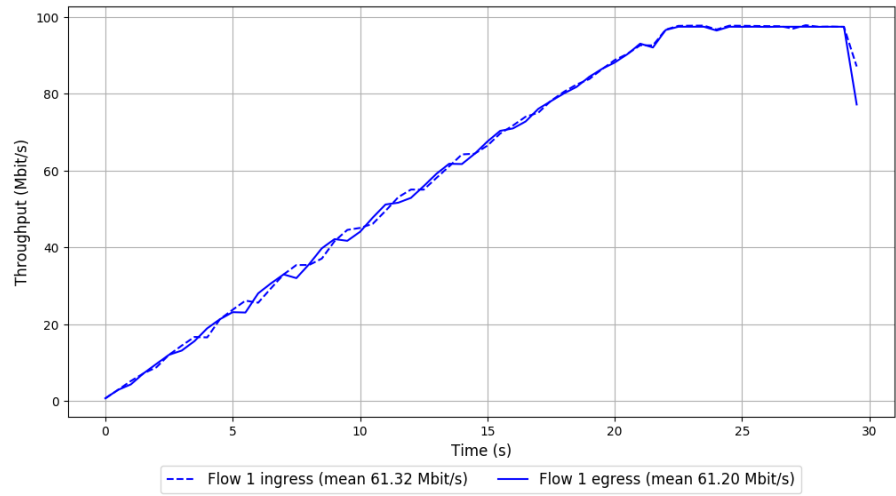
-- Flow 1:

Average throughput: 61.20 Mbit/s

95th percentile per-packet one-way delay: 34.746 ms

Loss rate: 0.45%

Run 6: Report of LEDBAT — Data Link

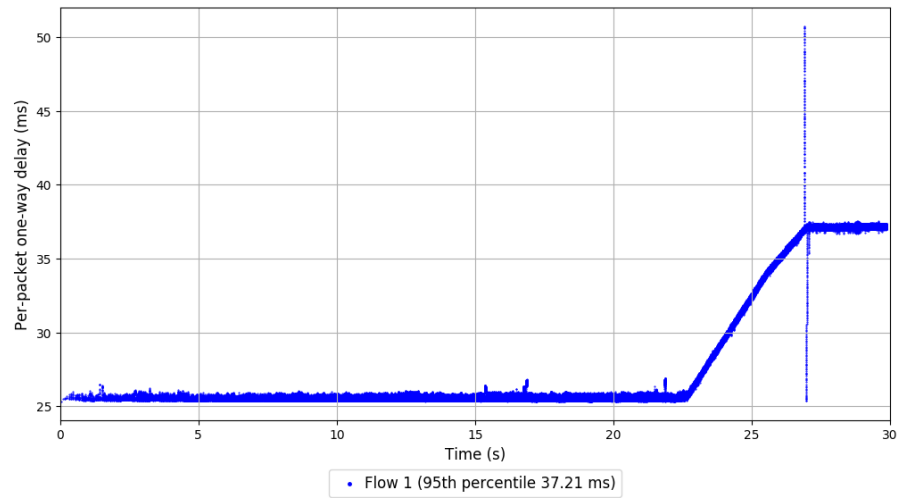
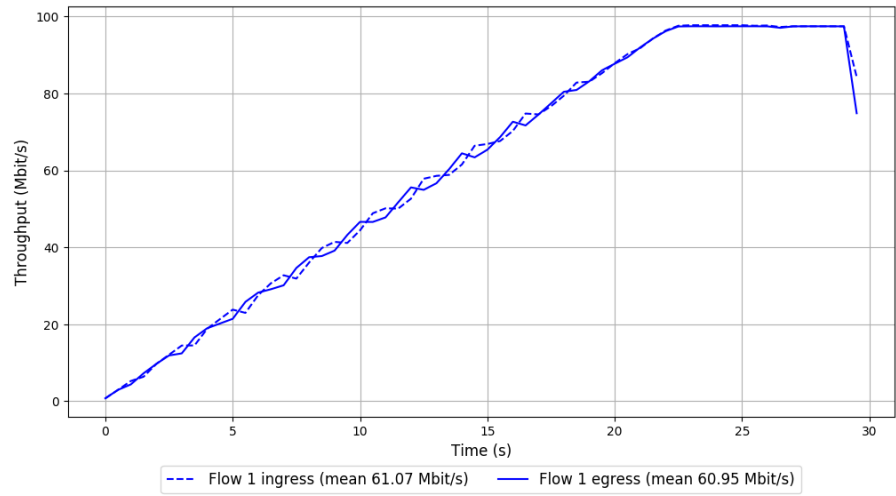


Run 7: Statistics of LEDBAT

Start at: 2017-09-17 11:24:29
End at: 2017-09-17 11:24:59
Local clock offset: -2.318 ms
Remote clock offset: -1.388 ms

Below is generated by plot.py at 2017-09-17 16:14:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.95 Mbit/s
95th percentile per-packet one-way delay: 37.209 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 60.95 Mbit/s
95th percentile per-packet one-way delay: 37.209 ms
Loss rate: 0.46%

Run 7: Report of LEDBAT — Data Link

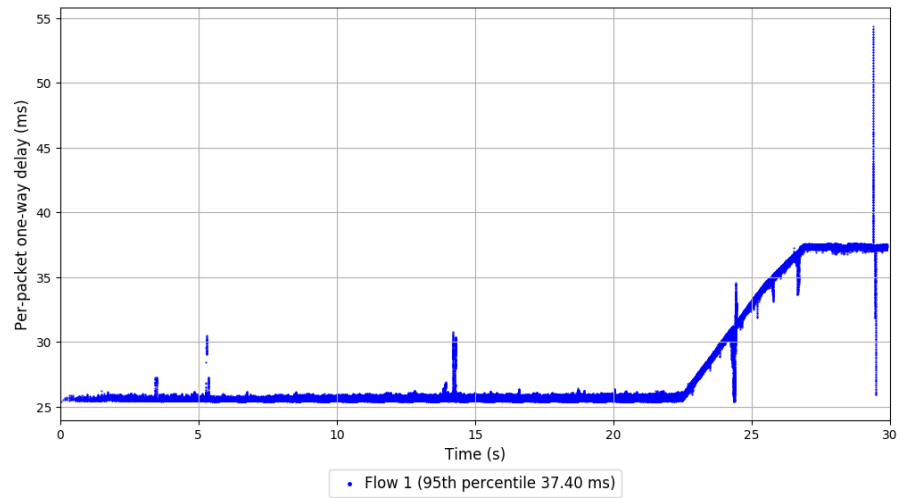
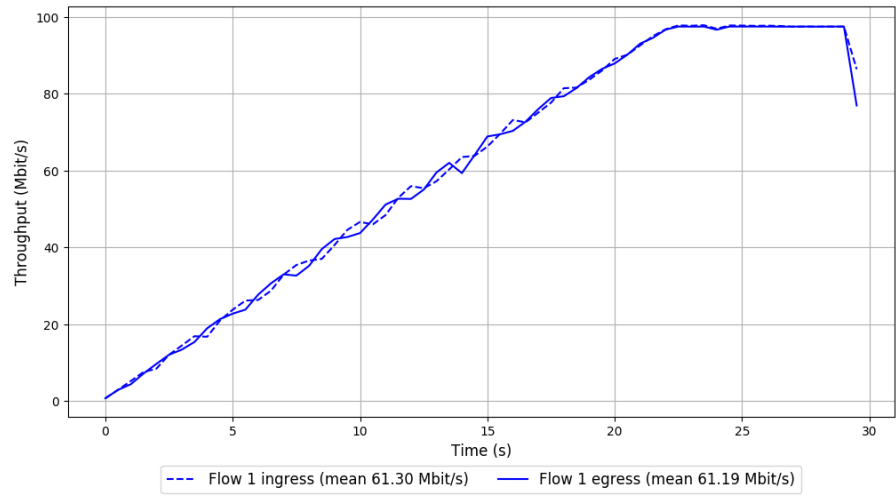


Run 8: Statistics of LEDBAT

Start at: 2017-09-17 11:44:47
End at: 2017-09-17 11:45:17
Local clock offset: -1.517 ms
Remote clock offset: -1.418 ms

Below is generated by plot.py at 2017-09-17 16:14:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 37.395 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 37.395 ms
Loss rate: 0.46%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2017-09-17 12:04:50

End at: 2017-09-17 12:05:20

Local clock offset: -1.469 ms

Remote clock offset: 0.467 ms

Below is generated by plot.py at 2017-09-17 16:14:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.14 Mbit/s

95th percentile per-packet one-way delay: 35.041 ms

Loss rate: 0.45%

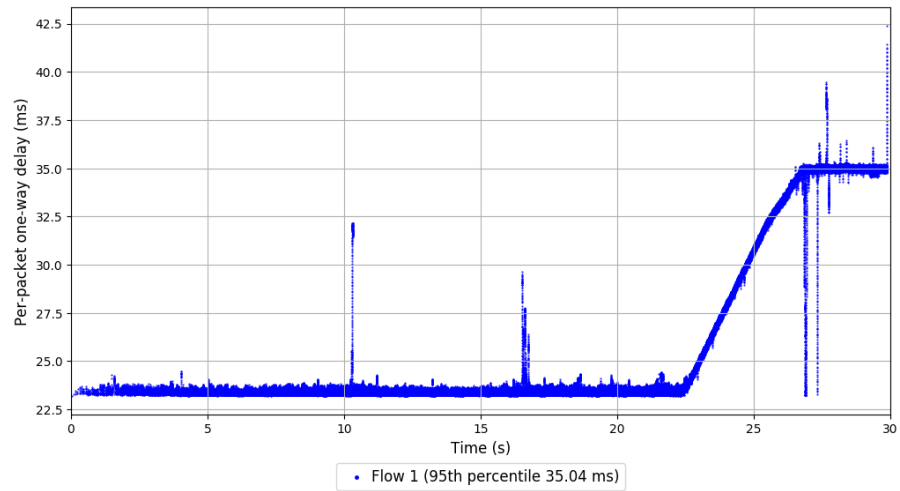
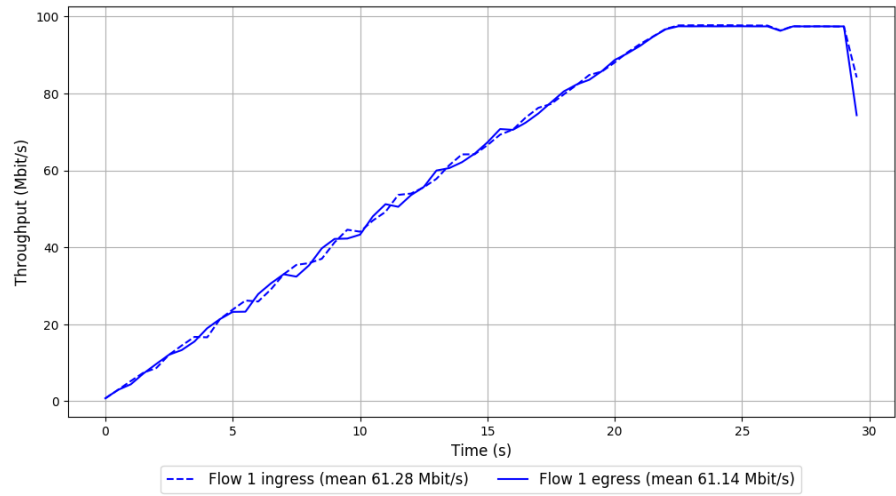
-- Flow 1:

Average throughput: 61.14 Mbit/s

95th percentile per-packet one-way delay: 35.041 ms

Loss rate: 0.45%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2017-09-17 12:24:51

End at: 2017-09-17 12:25:21

Local clock offset: -1.204 ms

Remote clock offset: 0.358 ms

Below is generated by plot.py at 2017-09-17 16:14:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.15 Mbit/s

95th percentile per-packet one-way delay: 35.127 ms

Loss rate: 0.45%

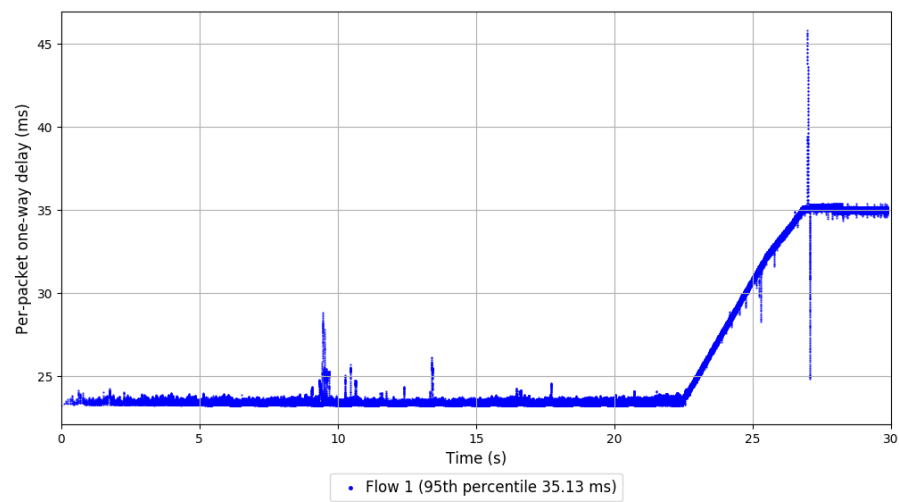
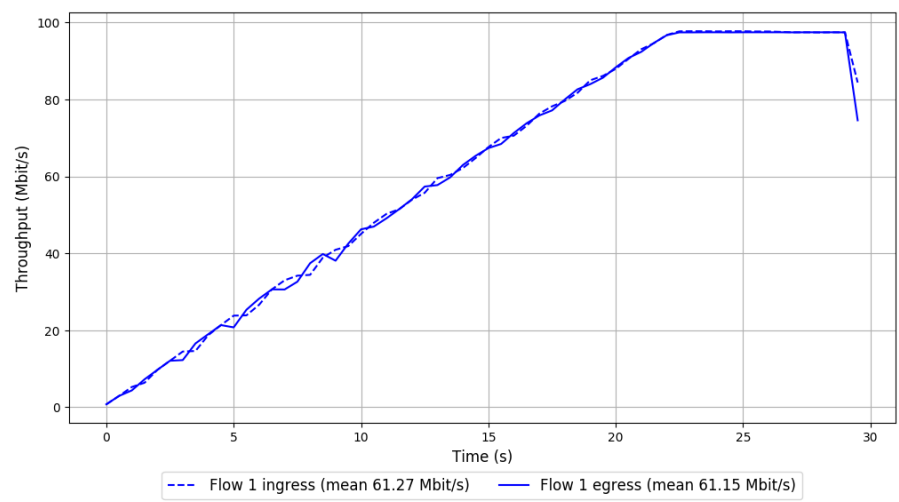
-- Flow 1:

Average throughput: 61.15 Mbit/s

95th percentile per-packet one-way delay: 35.127 ms

Loss rate: 0.45%

Run 10: Report of LEDBAT — Data Link

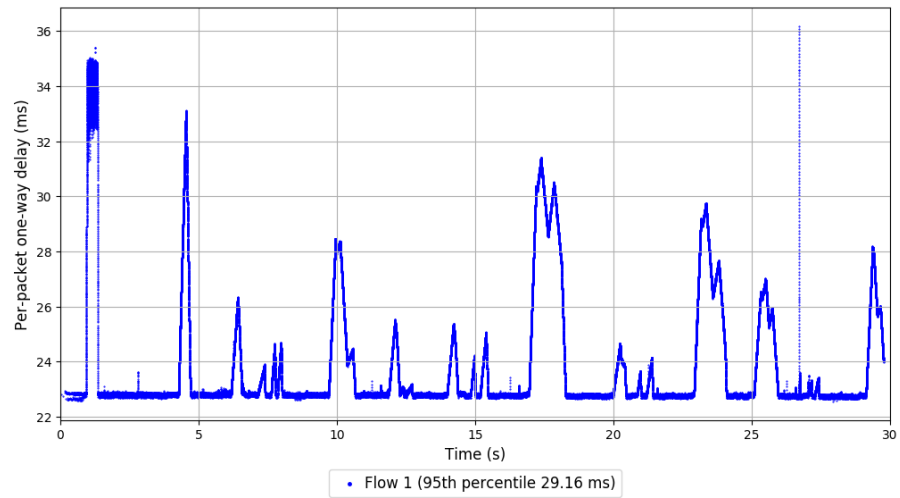
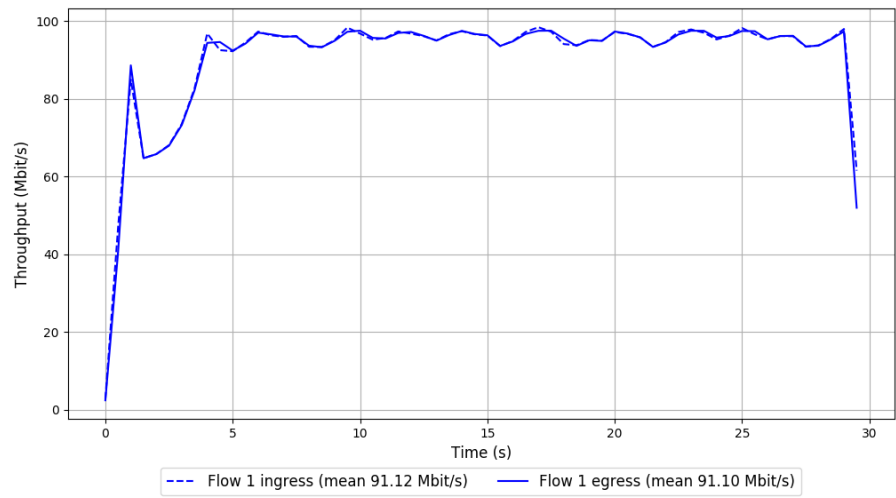


Run 1: Statistics of PCC

Start at: 2017-09-17 09:32:01
End at: 2017-09-17 09:32:31
Local clock offset: -2.554 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2017-09-17 16:15:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 29.160 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 29.160 ms
Loss rate: 0.27%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-09-17 09:51:59

End at: 2017-09-17 09:52:29

Local clock offset: -2.754 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2017-09-17 16:15:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.48 Mbit/s

95th percentile per-packet one-way delay: 29.765 ms

Loss rate: 0.26%

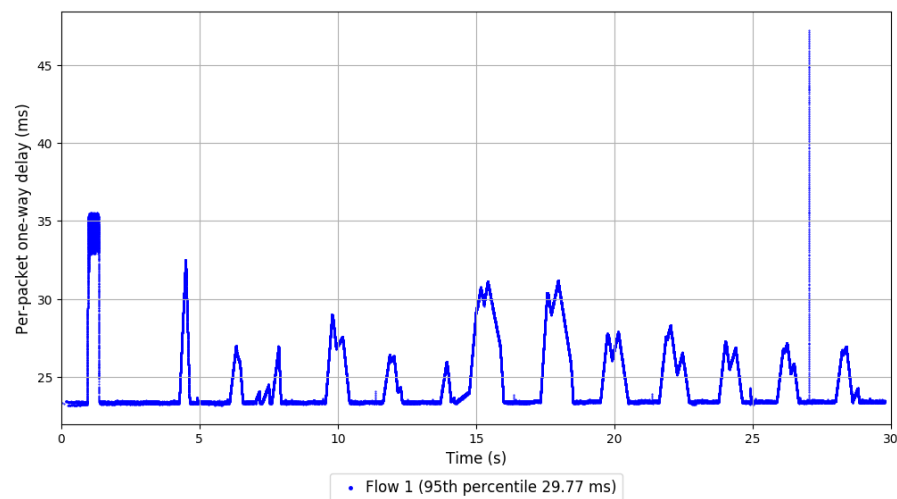
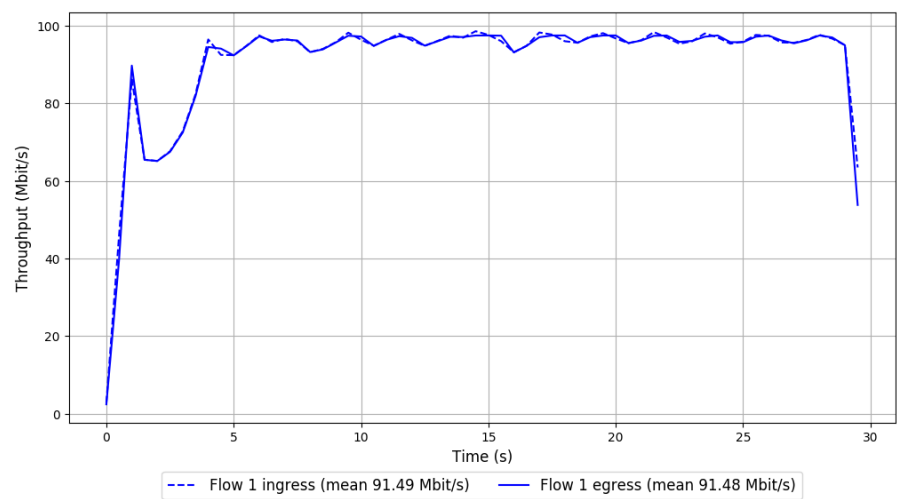
-- Flow 1:

Average throughput: 91.48 Mbit/s

95th percentile per-packet one-way delay: 29.765 ms

Loss rate: 0.26%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-09-17 10:12:02

End at: 2017-09-17 10:12:32

Local clock offset: -2.84 ms

Remote clock offset: 0.534 ms

Below is generated by plot.py at 2017-09-17 16:15:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.50 Mbit/s

95th percentile per-packet one-way delay: 27.978 ms

Loss rate: 0.26%

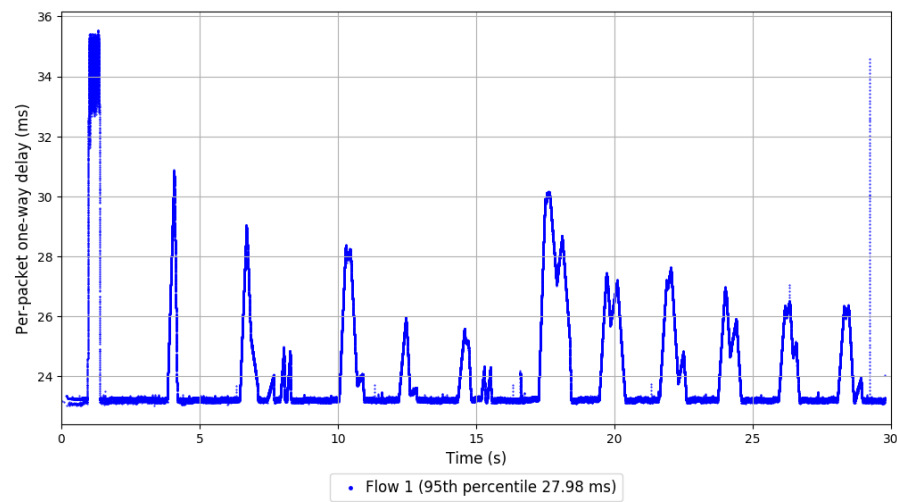
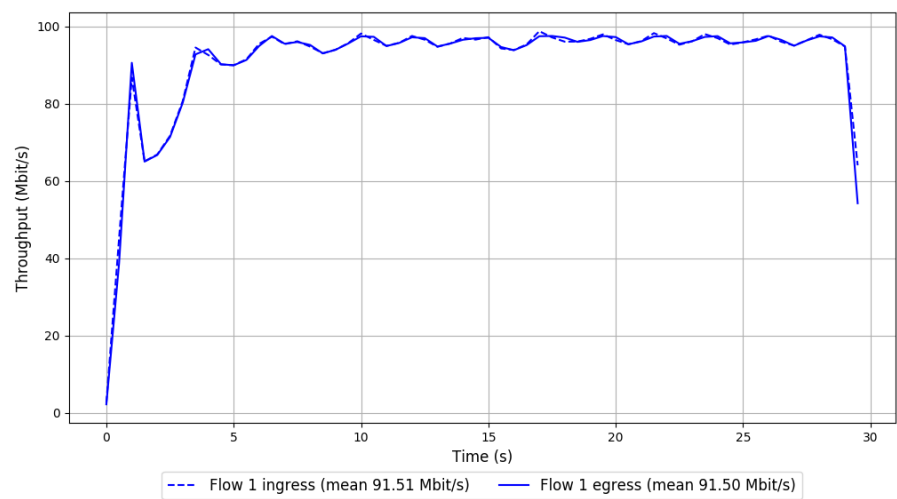
-- Flow 1:

Average throughput: 91.50 Mbit/s

95th percentile per-packet one-way delay: 27.978 ms

Loss rate: 0.26%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-09-17 10:32:07

End at: 2017-09-17 10:32:37

Local clock offset: -2.768 ms

Remote clock offset: 0.596 ms

Below is generated by plot.py at 2017-09-17 16:15:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.93 Mbit/s

95th percentile per-packet one-way delay: 29.083 ms

Loss rate: 0.24%

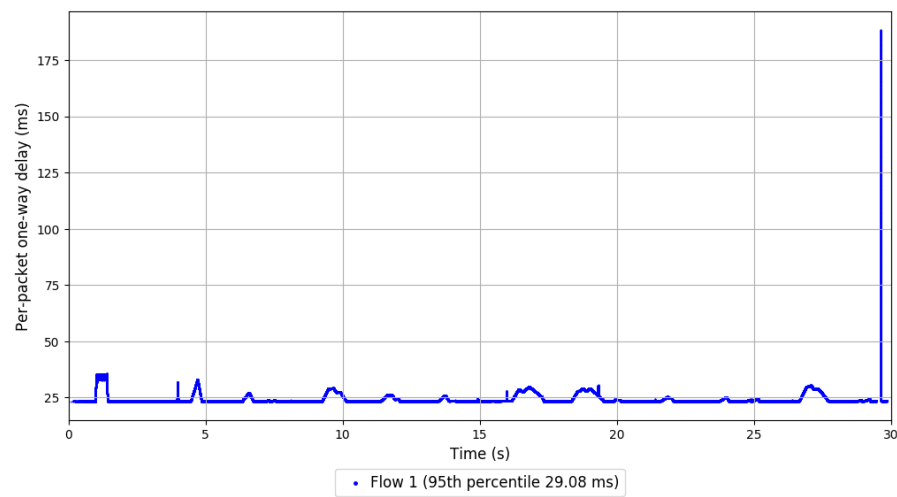
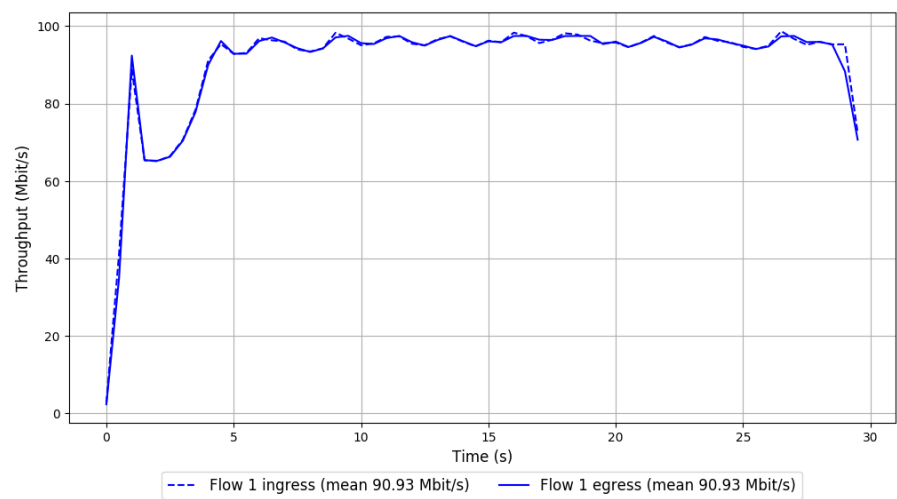
-- Flow 1:

Average throughput: 90.93 Mbit/s

95th percentile per-packet one-way delay: 29.083 ms

Loss rate: 0.24%

Run 4: Report of PCC — Data Link

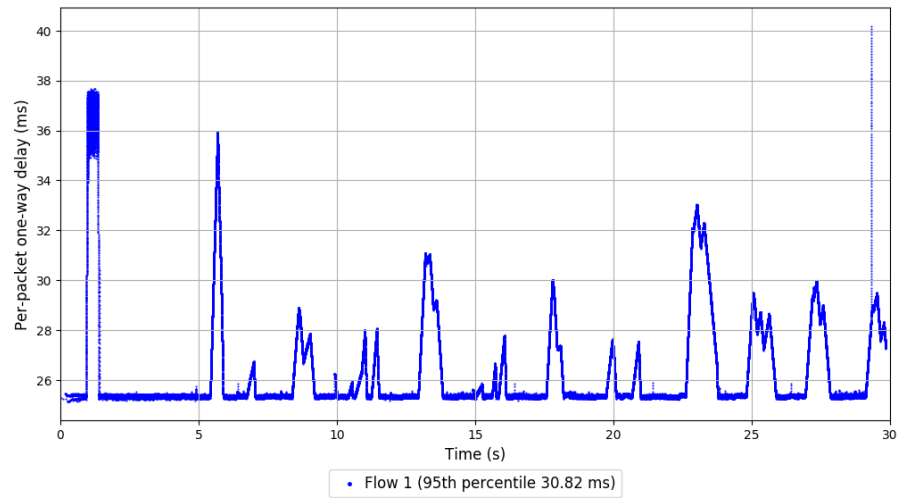
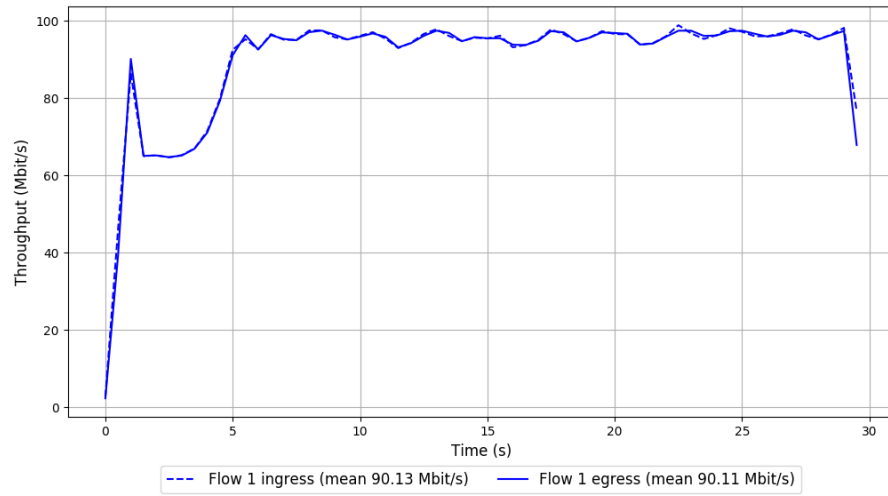


Run 5: Statistics of PCC

Start at: 2017-09-17 10:52:10
End at: 2017-09-17 10:52:40
Local clock offset: -2.45 ms
Remote clock offset: -1.283 ms

Below is generated by plot.py at 2017-09-17 16:15:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 30.823 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 30.823 ms
Loss rate: 0.27%

Run 5: Report of PCC — Data Link

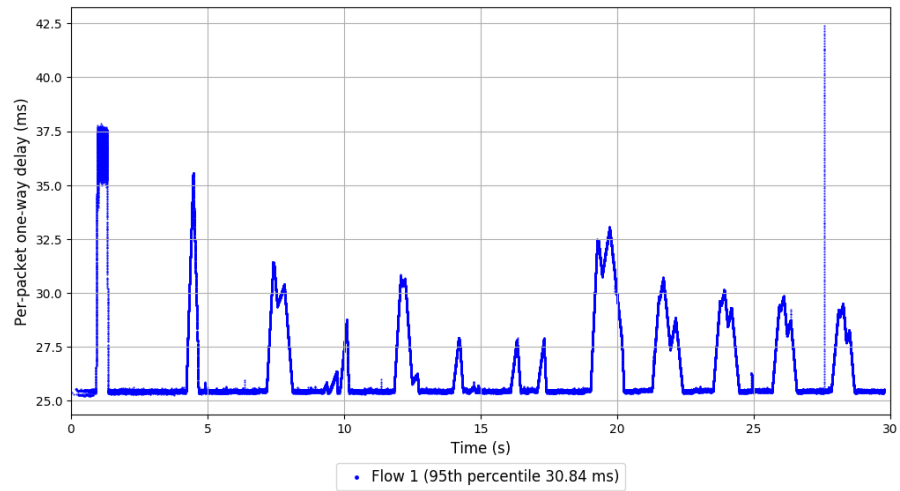
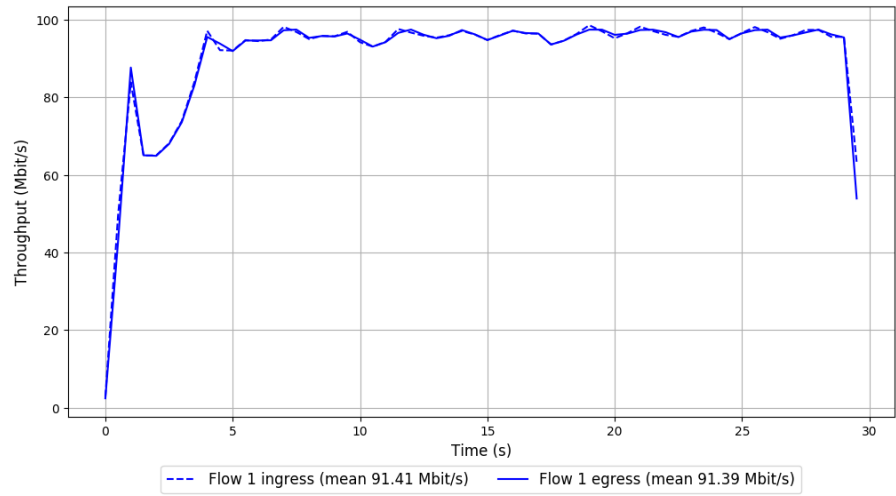


Run 6: Statistics of PCC

Start at: 2017-09-17 11:12:16
End at: 2017-09-17 11:12:46
Local clock offset: -2.579 ms
Remote clock offset: -1.304 ms

Below is generated by plot.py at 2017-09-17 16:15:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 30.845 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 30.845 ms
Loss rate: 0.26%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-09-17 11:32:25

End at: 2017-09-17 11:32:55

Local clock offset: -1.812 ms

Remote clock offset: 0.704 ms

Below is generated by plot.py at 2017-09-17 16:16:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.88 Mbit/s

95th percentile per-packet one-way delay: 29.661 ms

Loss rate: 0.26%

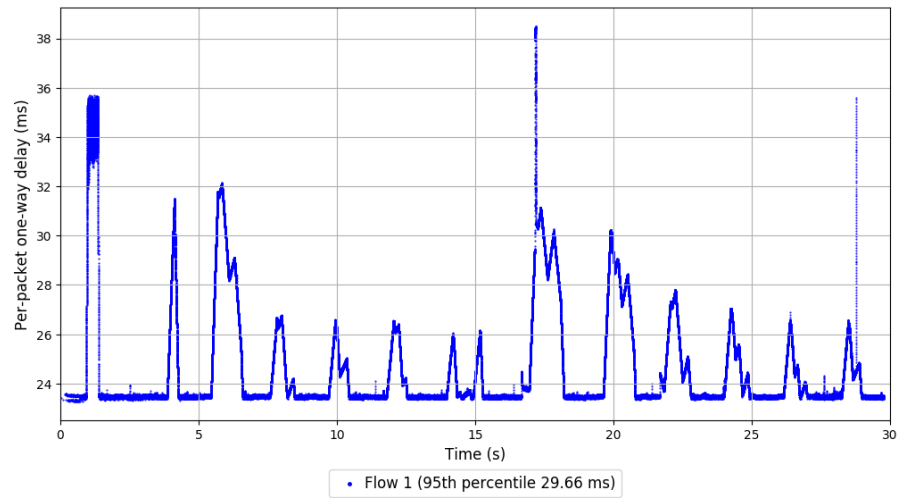
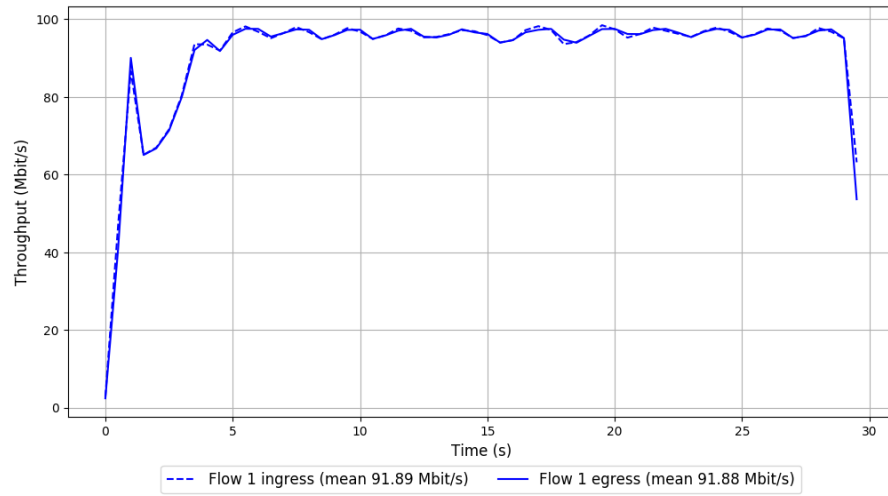
-- Flow 1:

Average throughput: 91.88 Mbit/s

95th percentile per-packet one-way delay: 29.661 ms

Loss rate: 0.26%

Run 7: Report of PCC — Data Link

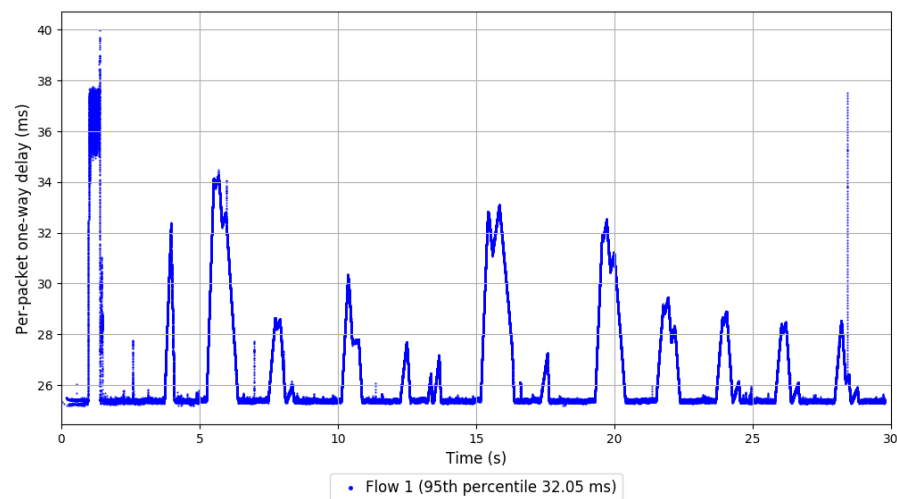
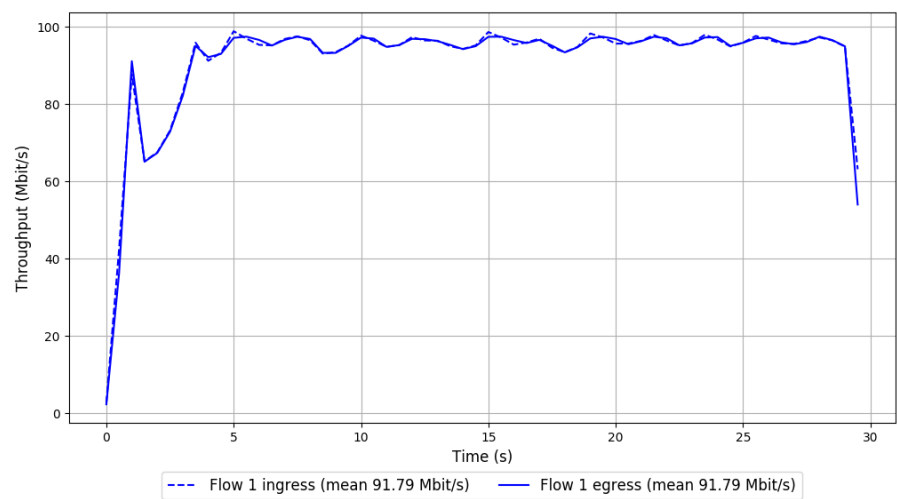


Run 8: Statistics of PCC

Start at: 2017-09-17 11:52:40
End at: 2017-09-17 11:53:10
Local clock offset: -1.414 ms
Remote clock offset: -1.448 ms

Below is generated by plot.py at 2017-09-17 16:16:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 32.051 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 32.051 ms
Loss rate: 0.25%

Run 8: Report of PCC — Data Link

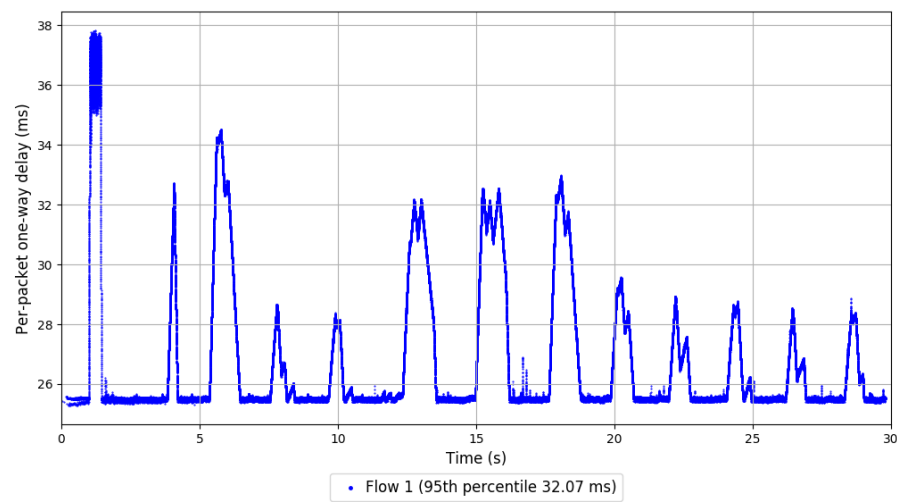
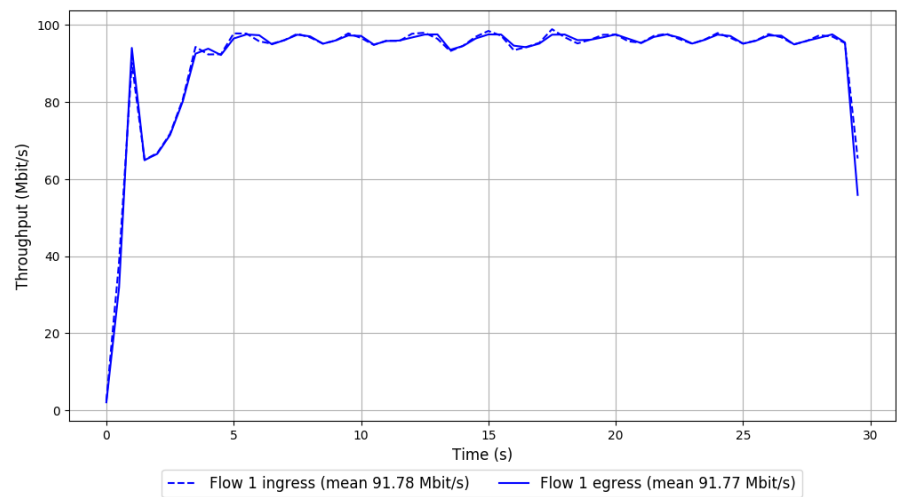


Run 9: Statistics of PCC

Start at: 2017-09-17 12:12:38
End at: 2017-09-17 12:13:08
Local clock offset: -1.375 ms
Remote clock offset: -1.705 ms

Below is generated by plot.py at 2017-09-17 16:16:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.77 Mbit/s
95th percentile per-packet one-way delay: 32.073 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 91.77 Mbit/s
95th percentile per-packet one-way delay: 32.073 ms
Loss rate: 0.26%

Run 9: Report of PCC — Data Link

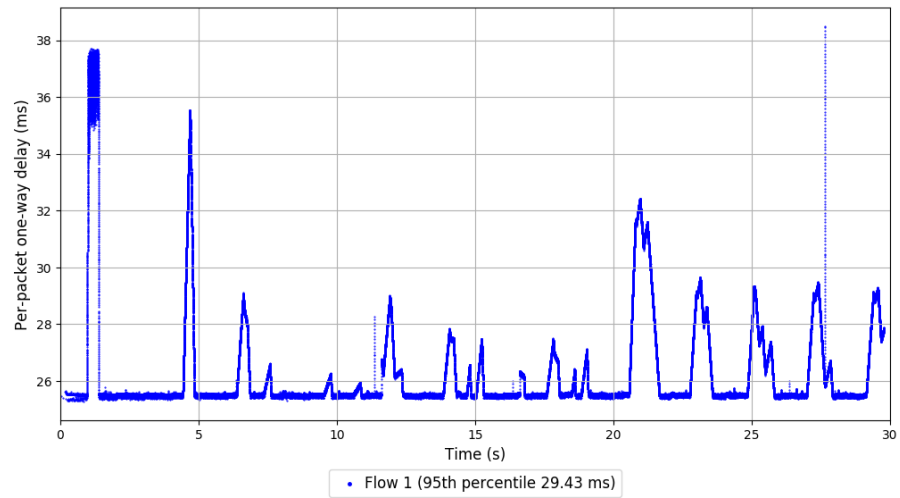
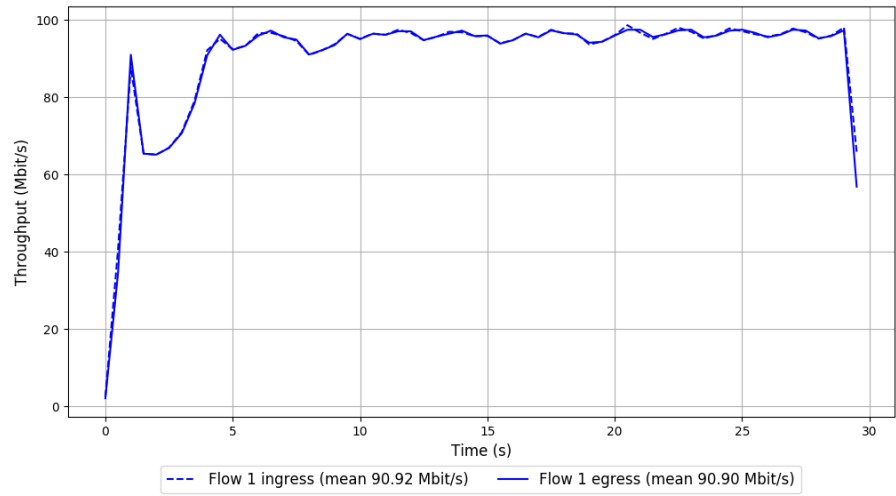


Run 10: Statistics of PCC

Start at: 2017-09-17 12:32:46
End at: 2017-09-17 12:33:16
Local clock offset: -1.044 ms
Remote clock offset: -1.882 ms

Below is generated by plot.py at 2017-09-17 16:16:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 29.430 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 29.430 ms
Loss rate: 0.27%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-09-17 09:22:47

End at: 2017-09-17 09:23:17

Local clock offset: -2.785 ms

Remote clock offset: -2.99 ms

Below is generated by plot.py at 2017-09-17 16:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.30 Mbit/s

95th percentile per-packet one-way delay: 36.566 ms

Loss rate: 0.31%

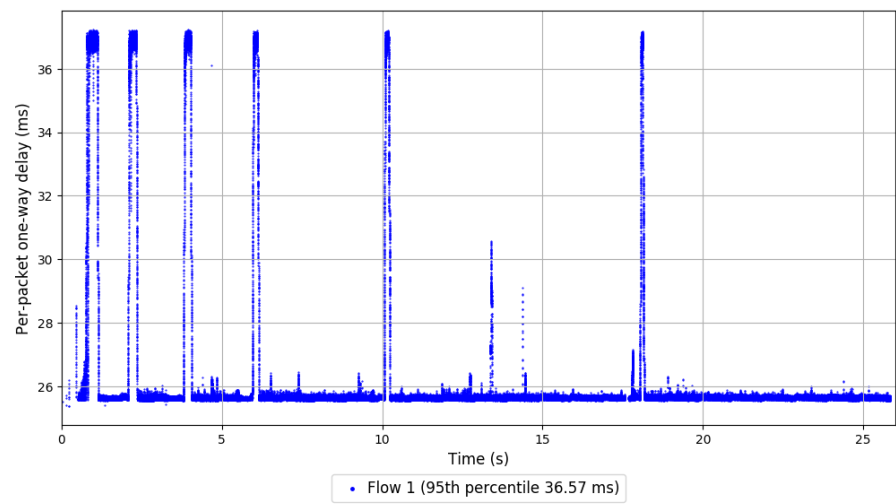
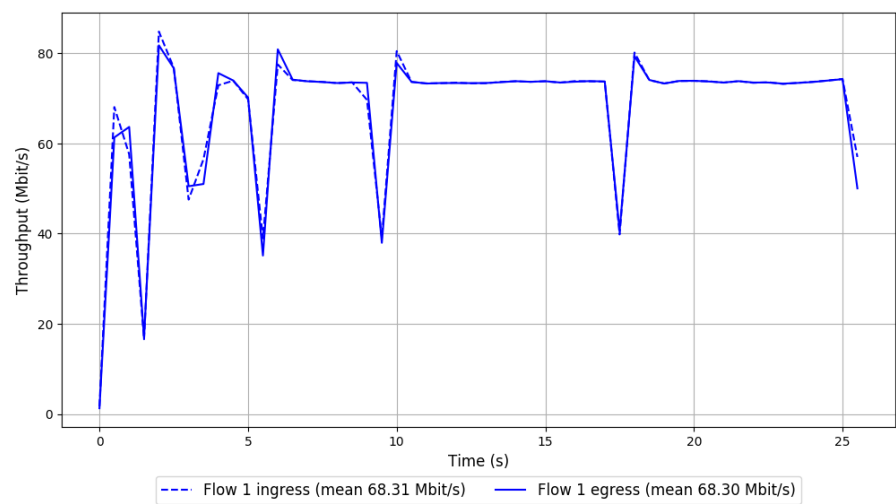
-- Flow 1:

Average throughput: 68.30 Mbit/s

95th percentile per-packet one-way delay: 36.566 ms

Loss rate: 0.31%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-09-17 09:42:47

End at: 2017-09-17 09:43:17

Local clock offset: -2.125 ms

Remote clock offset: -2.304 ms

Below is generated by plot.py at 2017-09-17 16:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.02 Mbit/s

95th percentile per-packet one-way delay: 37.042 ms

Loss rate: 0.37%

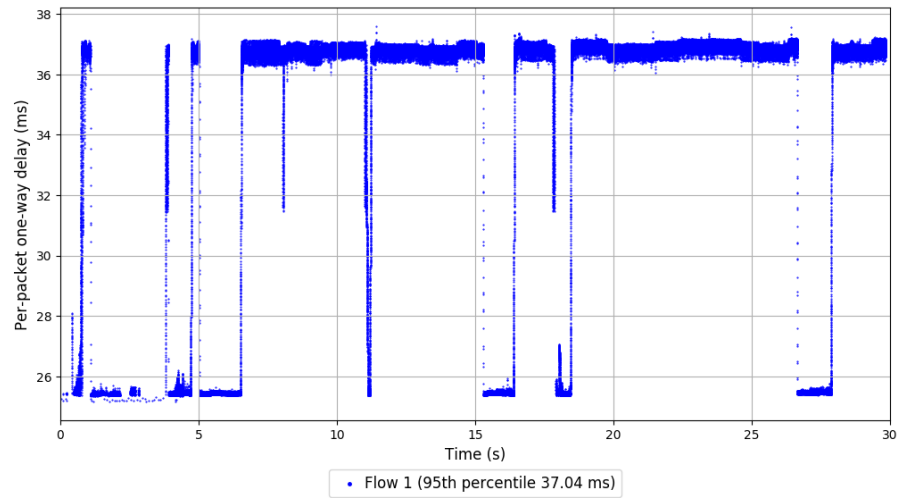
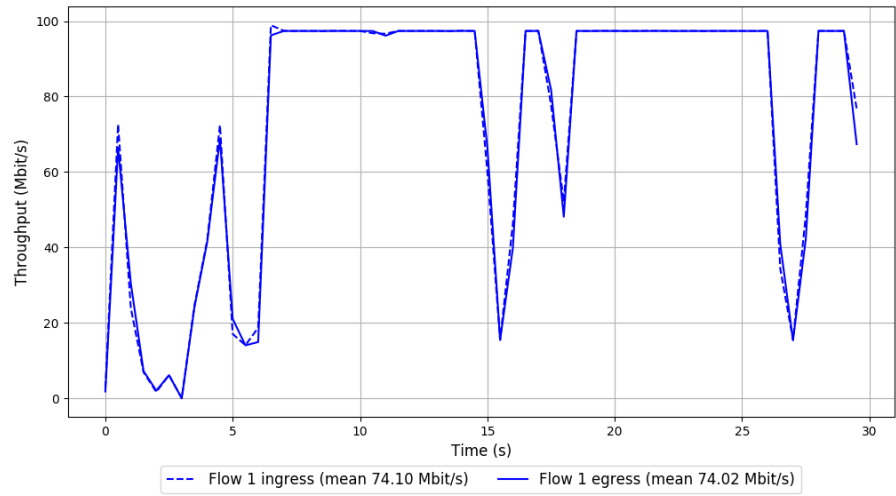
-- Flow 1:

Average throughput: 74.02 Mbit/s

95th percentile per-packet one-way delay: 37.042 ms

Loss rate: 0.37%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-09-17 10:02:50

End at: 2017-09-17 10:03:20

Local clock offset: -2.586 ms

Remote clock offset: 0.831 ms

Below is generated by plot.py at 2017-09-17 16:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.65 Mbit/s

95th percentile per-packet one-way delay: 24.324 ms

Loss rate: 0.29%

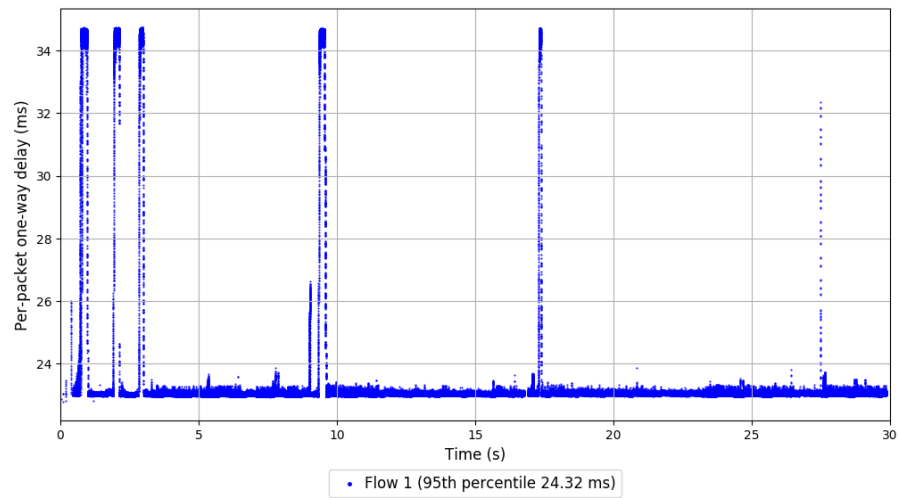
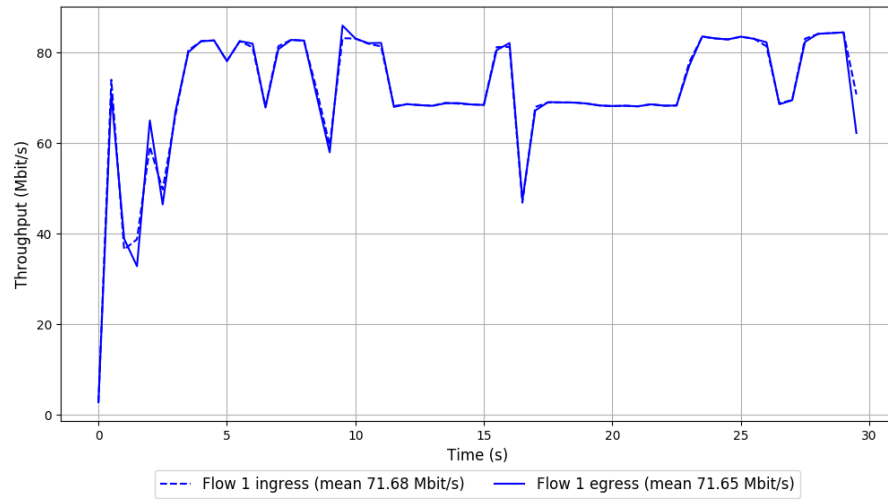
-- Flow 1:

Average throughput: 71.65 Mbit/s

95th percentile per-packet one-way delay: 24.324 ms

Loss rate: 0.29%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2017-09-17 10:22:54

End at: 2017-09-17 10:23:24

Local clock offset: -2.523 ms

Remote clock offset: 1.09 ms

Below is generated by plot.py at 2017-09-17 16:17:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.95 Mbit/s

95th percentile per-packet one-way delay: 34.348 ms

Loss rate: 0.32%

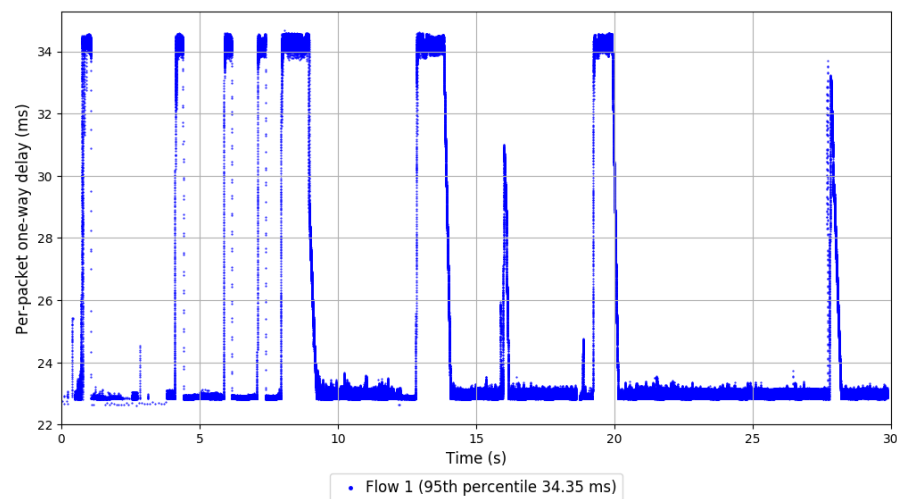
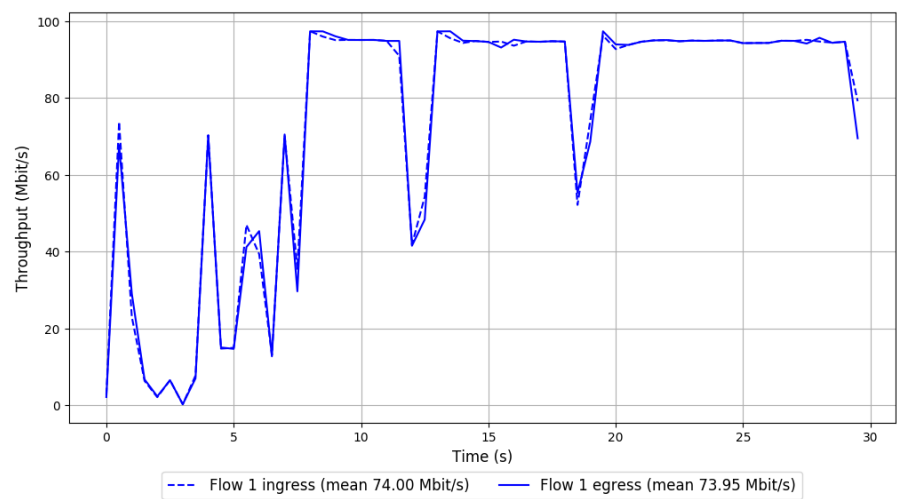
-- Flow 1:

Average throughput: 73.95 Mbit/s

95th percentile per-packet one-way delay: 34.348 ms

Loss rate: 0.32%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-09-17 10:42:57

End at: 2017-09-17 10:43:27

Local clock offset: -3.149 ms

Remote clock offset: 0.69 ms

Below is generated by plot.py at 2017-09-17 16:17:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.49 Mbit/s

95th percentile per-packet one-way delay: 33.892 ms

Loss rate: 0.27%

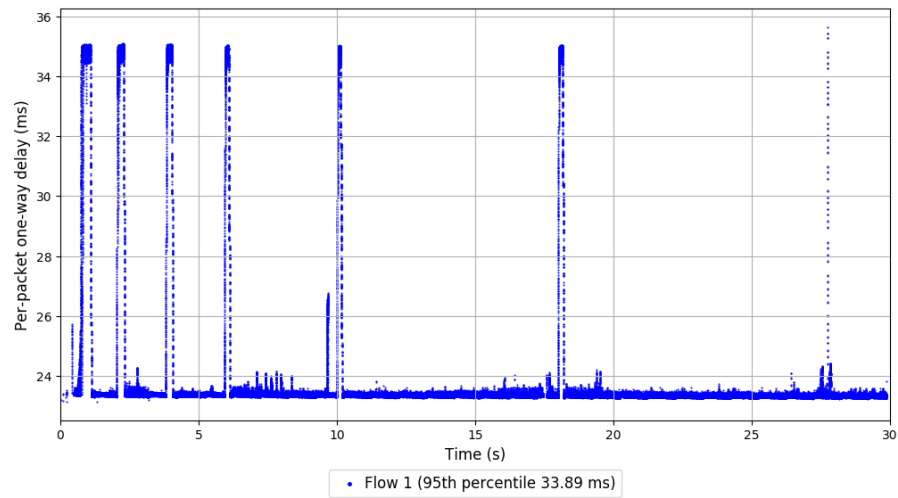
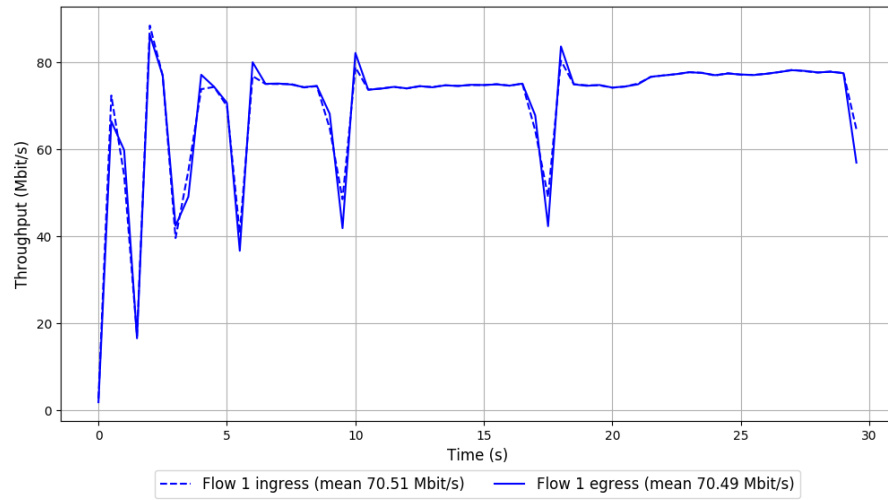
-- Flow 1:

Average throughput: 70.49 Mbit/s

95th percentile per-packet one-way delay: 33.892 ms

Loss rate: 0.27%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2017-09-17 11:03:02

End at: 2017-09-17 11:03:32

Local clock offset: -2.327 ms

Remote clock offset: 1.297 ms

Below is generated by plot.py at 2017-09-17 16:17:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.77 Mbit/s

95th percentile per-packet one-way delay: 34.334 ms

Loss rate: 0.31%

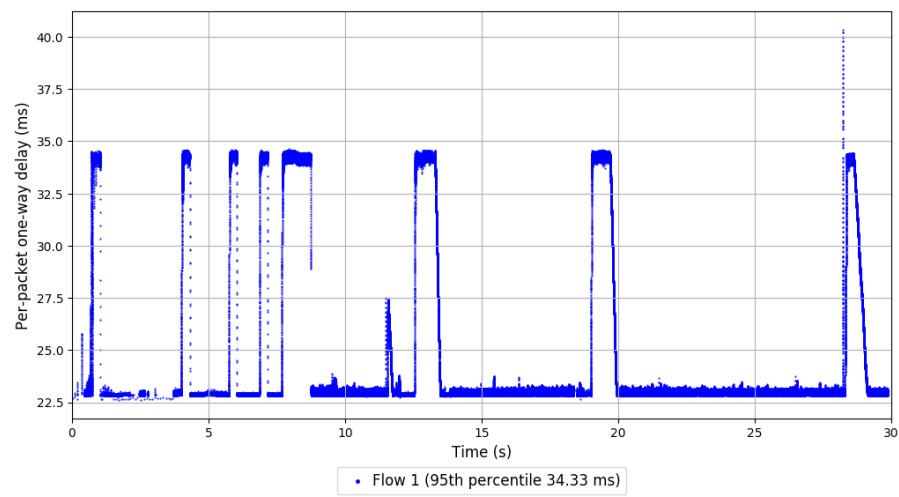
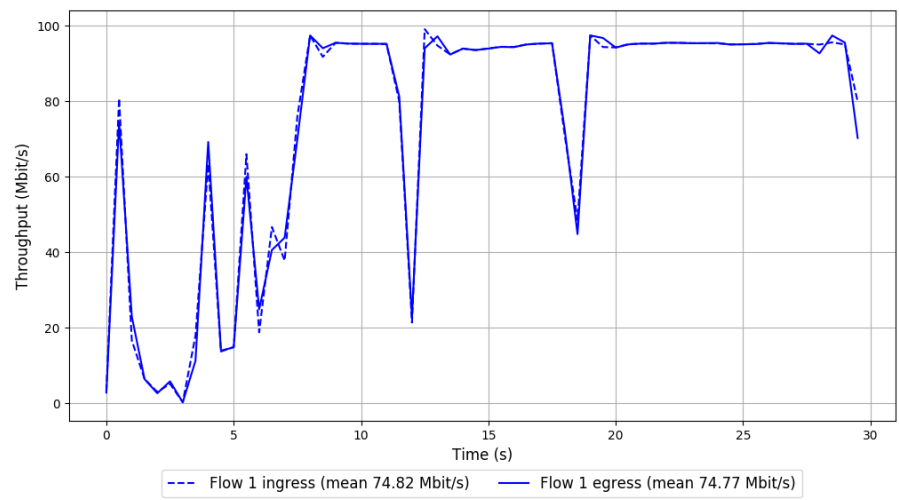
-- Flow 1:

Average throughput: 74.77 Mbit/s

95th percentile per-packet one-way delay: 34.334 ms

Loss rate: 0.31%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-09-17 11:23:08

End at: 2017-09-17 11:23:38

Local clock offset: -2.311 ms

Remote clock offset: -1.475 ms

Below is generated by plot.py at 2017-09-17 16:17:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.26 Mbit/s

95th percentile per-packet one-way delay: 37.037 ms

Loss rate: 0.30%

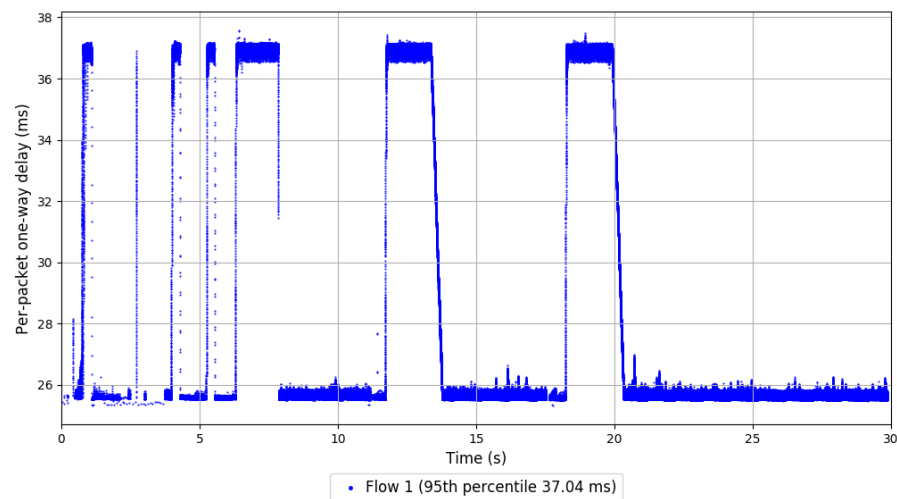
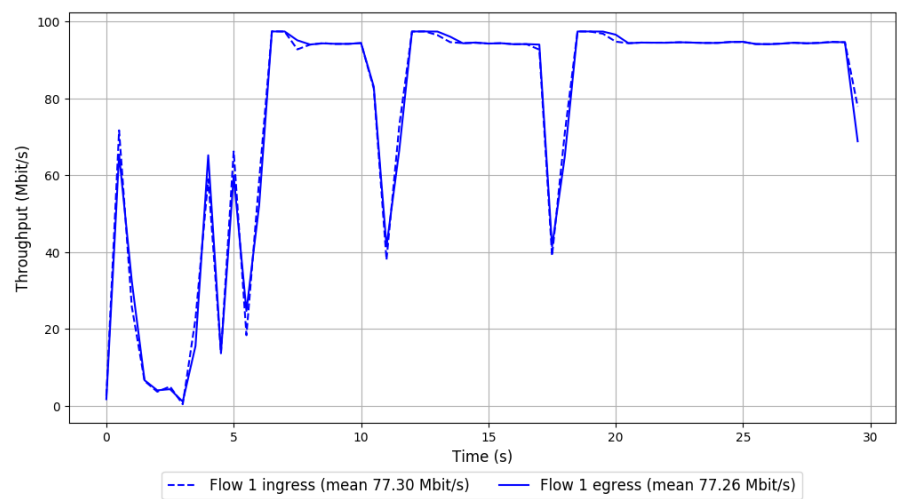
-- Flow 1:

Average throughput: 77.26 Mbit/s

95th percentile per-packet one-way delay: 37.037 ms

Loss rate: 0.30%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-09-17 11:43:27

End at: 2017-09-17 11:43:57

Local clock offset: -1.676 ms

Remote clock offset: 0.623 ms

Below is generated by plot.py at 2017-09-17 16:17:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.49 Mbit/s

95th percentile per-packet one-way delay: 34.479 ms

Loss rate: 0.34%

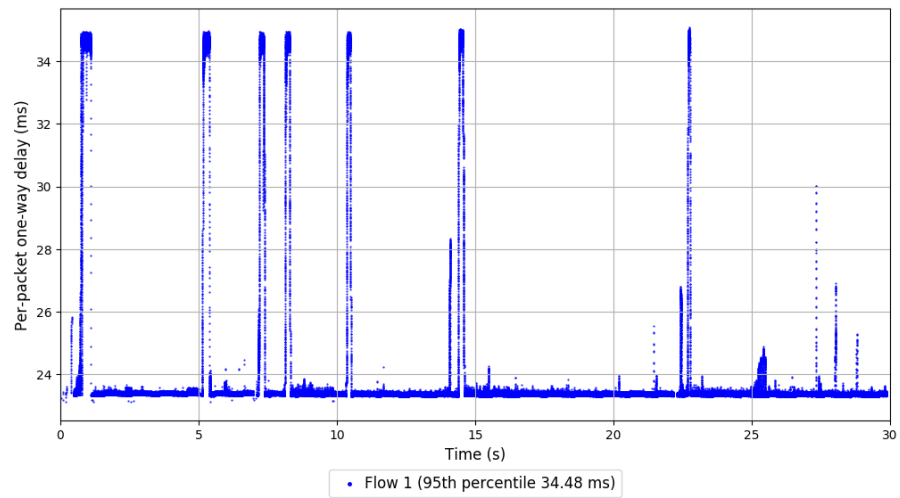
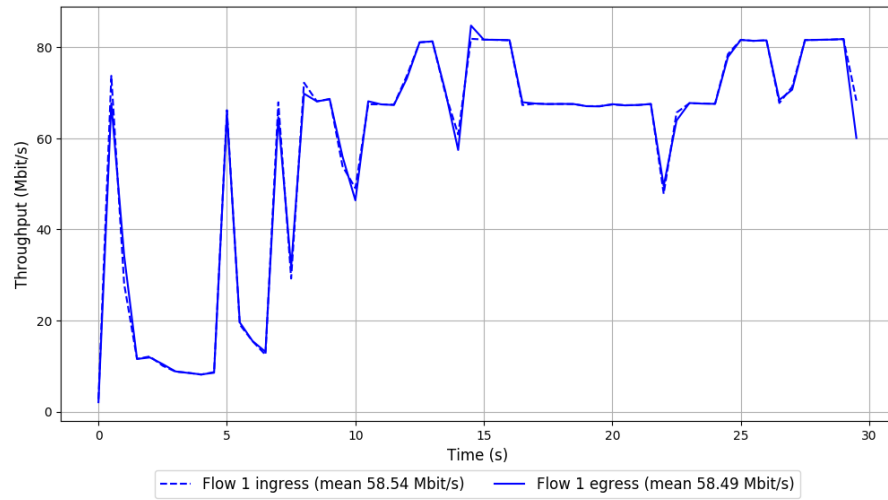
-- Flow 1:

Average throughput: 58.49 Mbit/s

95th percentile per-packet one-way delay: 34.479 ms

Loss rate: 0.34%

Run 8: Report of QUIC Cubic — Data Link

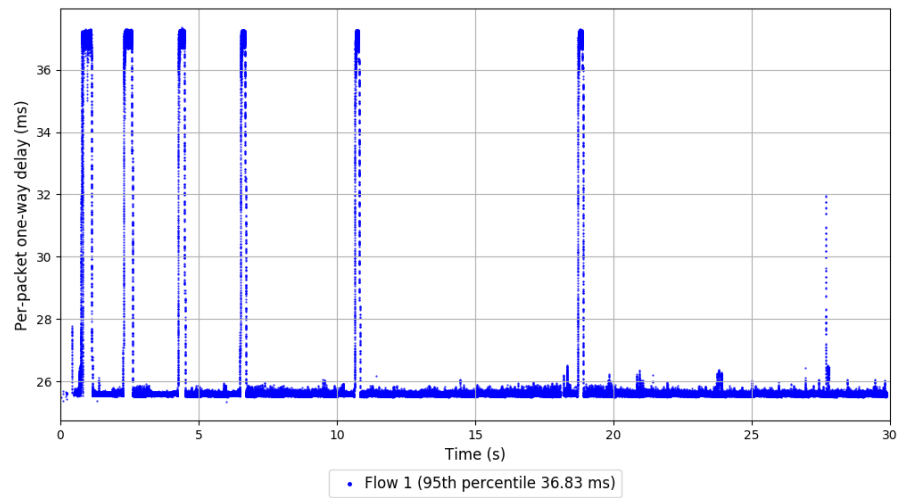
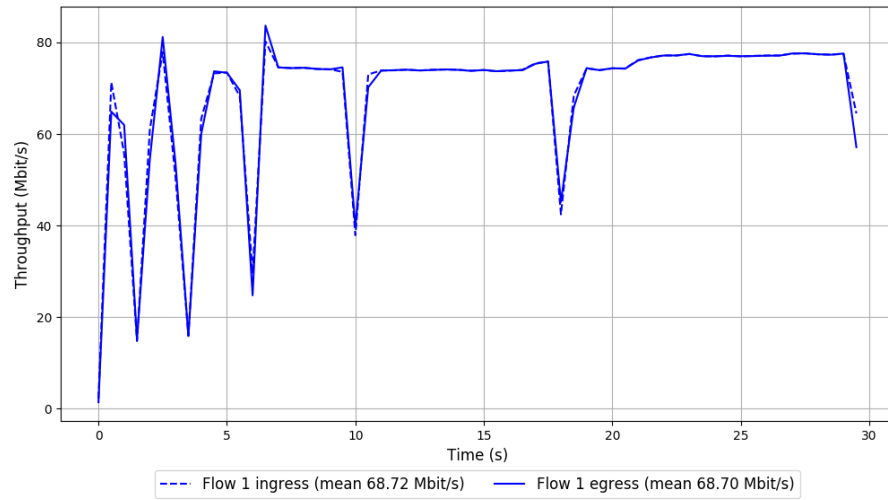


Run 9: Statistics of QUIC Cubic

Start at: 2017-09-17 12:03:31
End at: 2017-09-17 12:04:01
Local clock offset: -1.359 ms
Remote clock offset: -1.714 ms

Below is generated by plot.py at 2017-09-17 16:18:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.70 Mbit/s
95th percentile per-packet one-way delay: 36.827 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 68.70 Mbit/s
95th percentile per-packet one-way delay: 36.827 ms
Loss rate: 0.28%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-09-17 12:23:30

End at: 2017-09-17 12:24:01

Local clock offset: -1.303 ms

Remote clock offset: -1.888 ms

Below is generated by plot.py at 2017-09-17 16:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.44 Mbit/s

95th percentile per-packet one-way delay: 36.993 ms

Loss rate: 0.36%

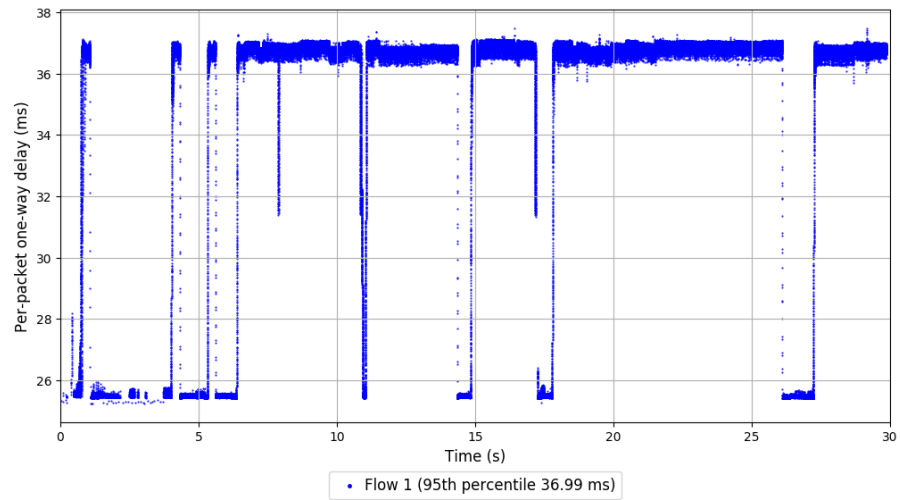
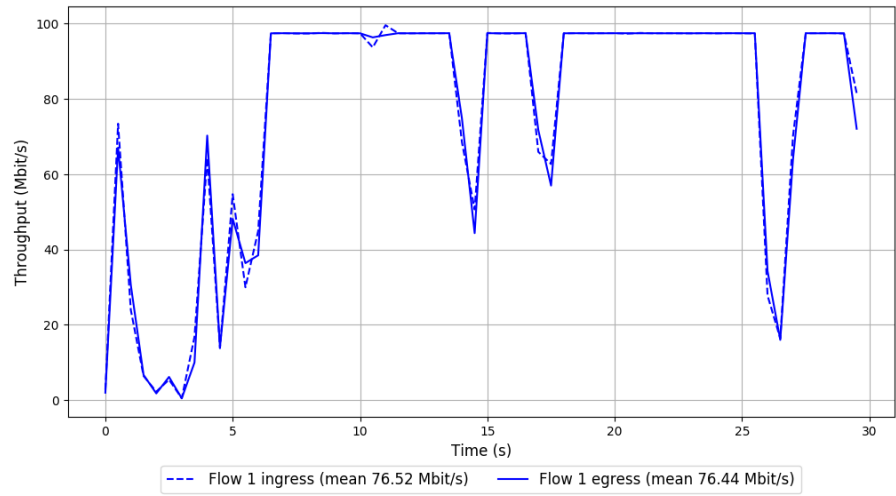
-- Flow 1:

Average throughput: 76.44 Mbit/s

95th percentile per-packet one-way delay: 36.993 ms

Loss rate: 0.36%

Run 10: Report of QUIC Cubic — Data Link

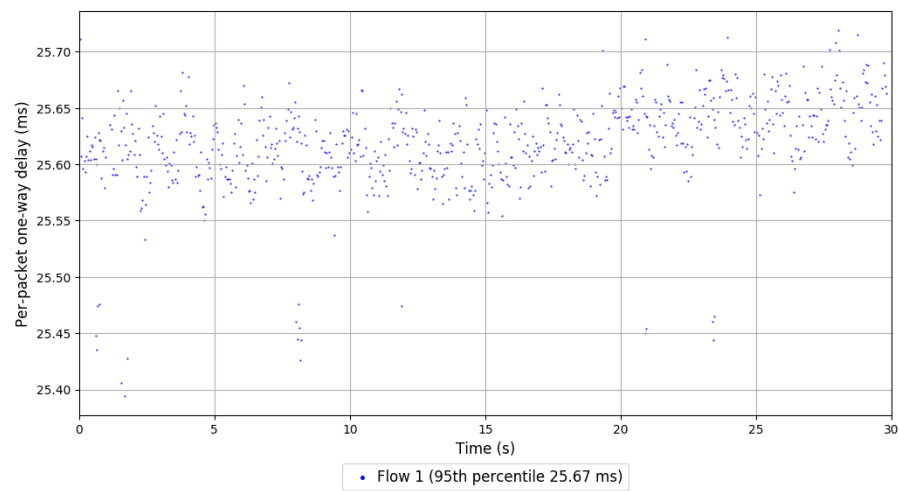
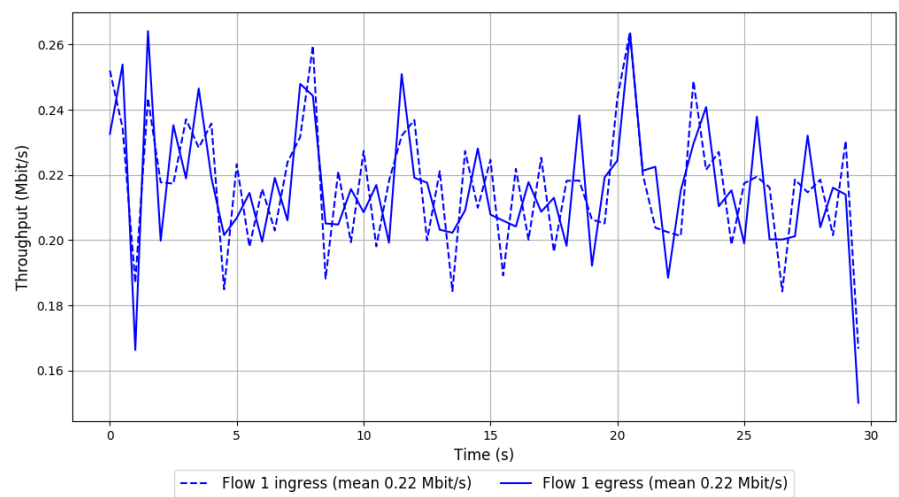


Run 1: Statistics of SCReAM

Start at: 2017-09-17 09:28:05
End at: 2017-09-17 09:28:35
Local clock offset: -2.975 ms
Remote clock offset: -2.857 ms

Below is generated by plot.py at 2017-09-17 16:18:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.674 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.674 ms
Loss rate: 0.25%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2017-09-17 09:48:05

End at: 2017-09-17 09:48:35

Local clock offset: -2.43 ms

Remote clock offset: -2.14 ms

Below is generated by plot.py at 2017-09-17 16:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 25.667 ms

Loss rate: 0.25%

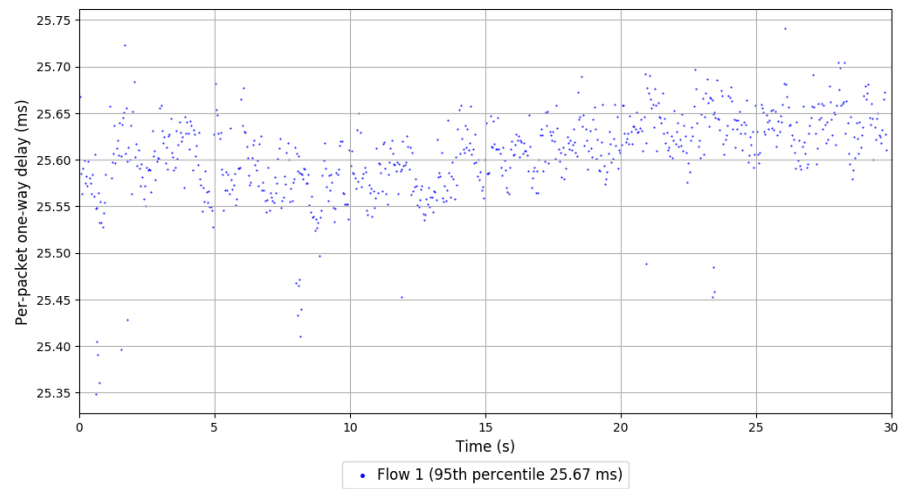
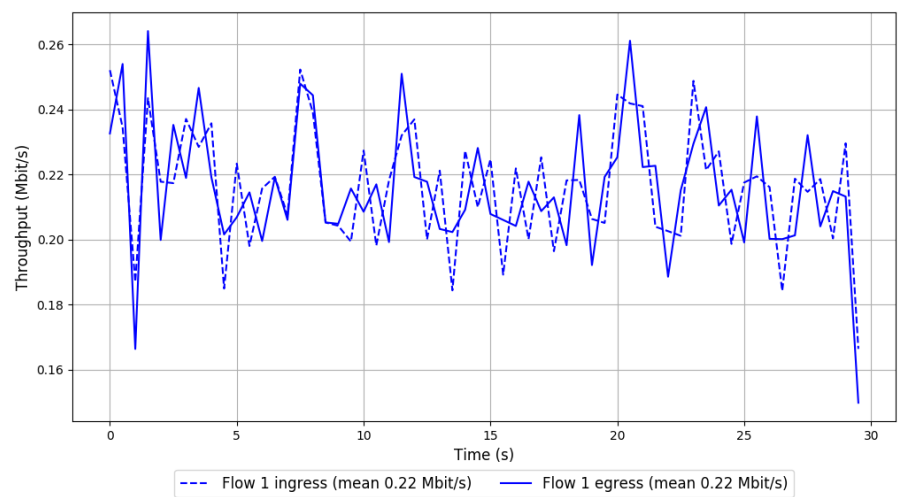
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 25.667 ms

Loss rate: 0.25%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2017-09-17 10:08:08

End at: 2017-09-17 10:08:38

Local clock offset: -2.757 ms

Remote clock offset: 0.969 ms

Below is generated by plot.py at 2017-09-17 16:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 22.924 ms

Loss rate: 0.25%

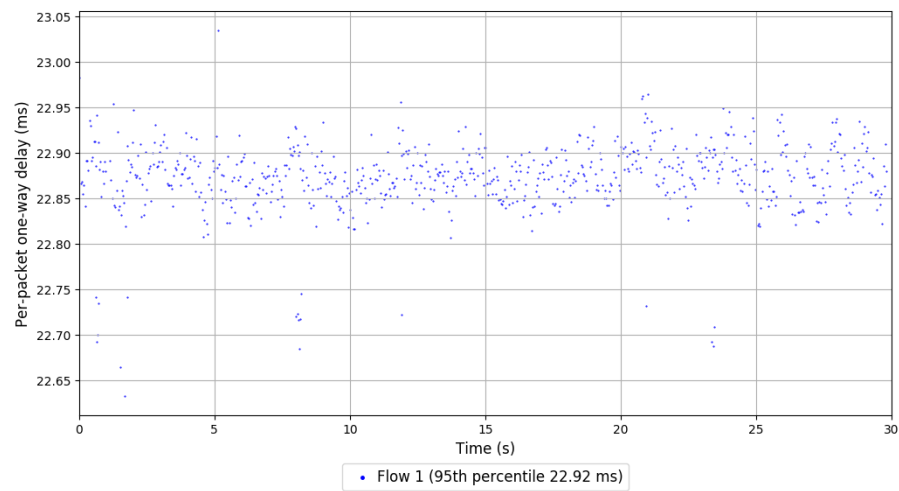
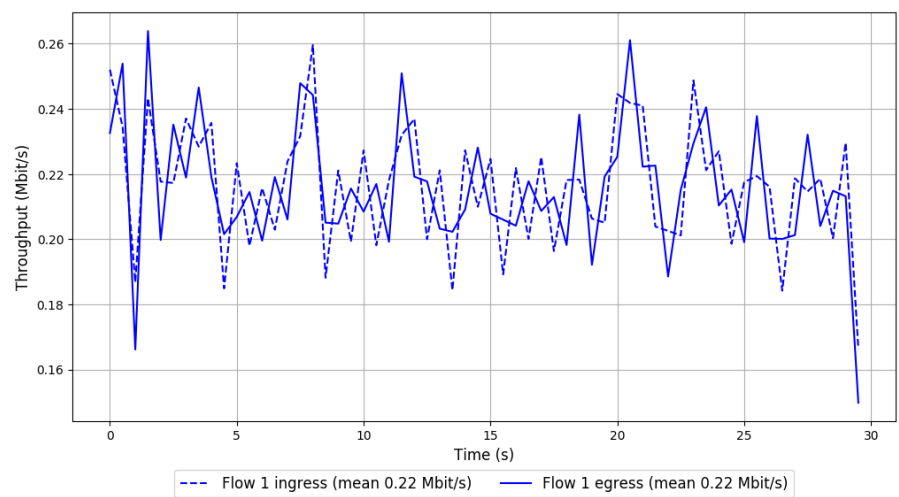
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 22.924 ms

Loss rate: 0.25%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2017-09-17 10:28:13

End at: 2017-09-17 10:28:43

Local clock offset: -2.539 ms

Remote clock offset: 1.119 ms

Below is generated by plot.py at 2017-09-17 16:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.007 ms

Loss rate: 0.13%

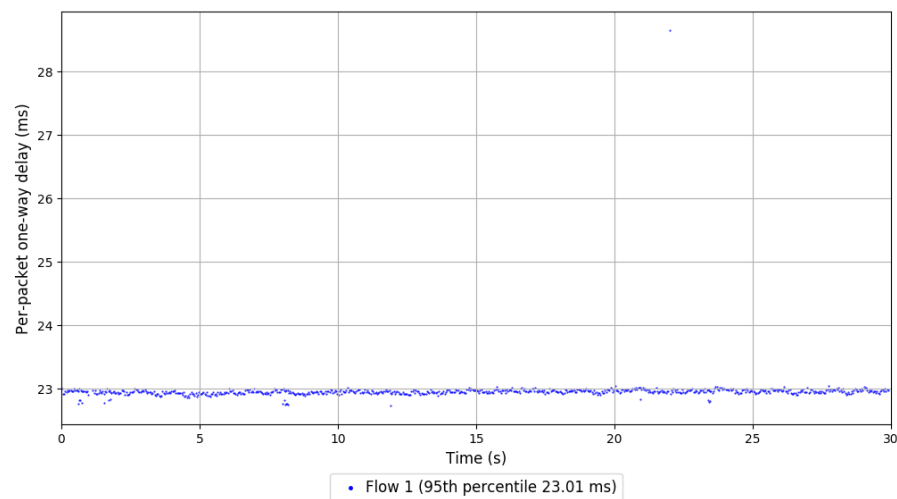
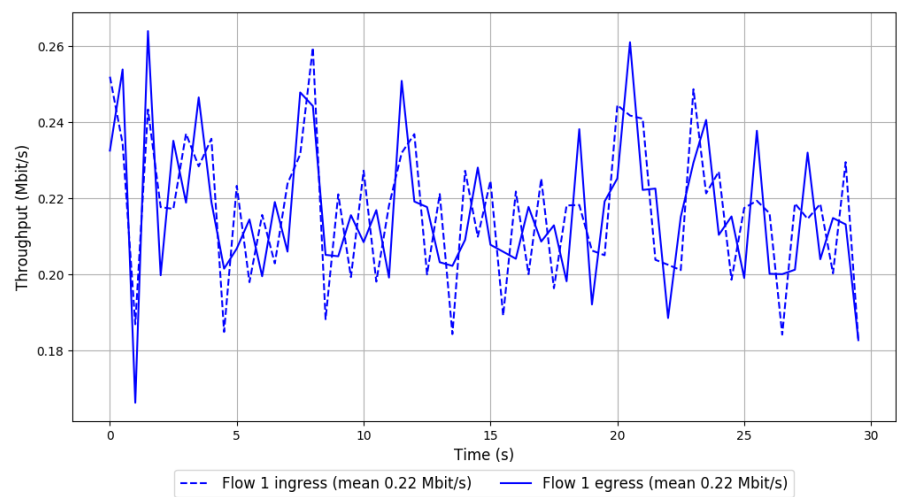
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.007 ms

Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

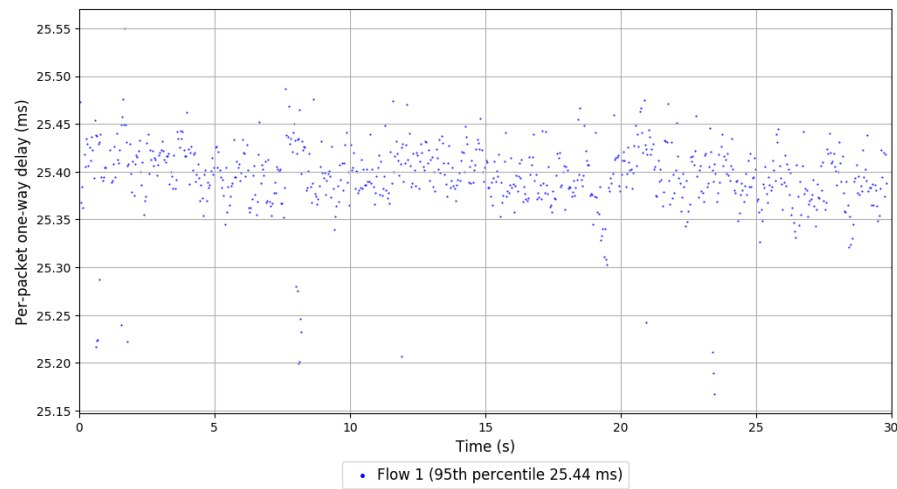
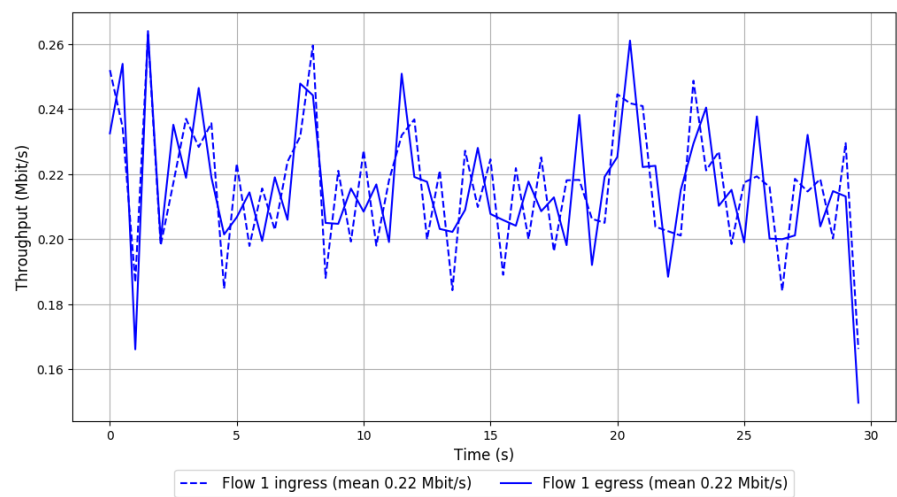


Run 5: Statistics of SCReAM

Start at: 2017-09-17 10:48:15
End at: 2017-09-17 10:48:45
Local clock offset: -2.666 ms
Remote clock offset: -1.336 ms

Below is generated by plot.py at 2017-09-17 16:18:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.442 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.442 ms
Loss rate: 0.25%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2017-09-17 11:08:21

End at: 2017-09-17 11:08:51

Local clock offset: -2.551 ms

Remote clock offset: 0.638 ms

Below is generated by plot.py at 2017-09-17 16:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.528 ms

Loss rate: 0.25%

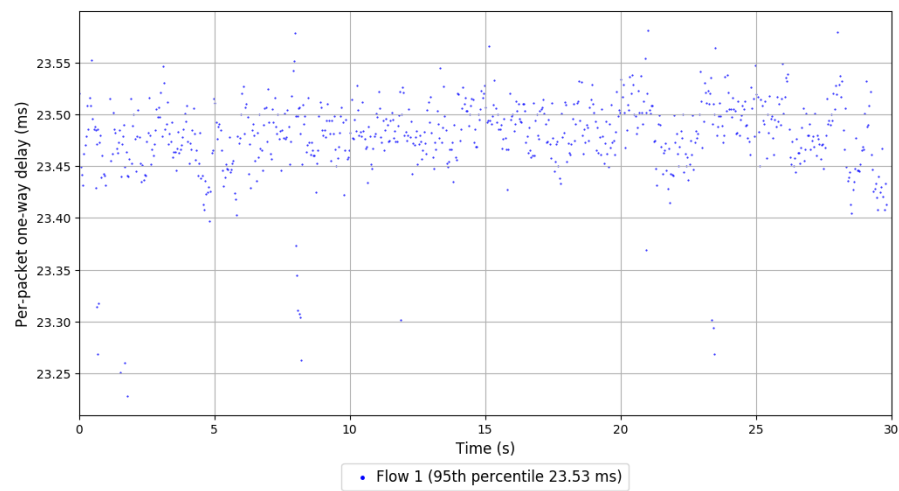
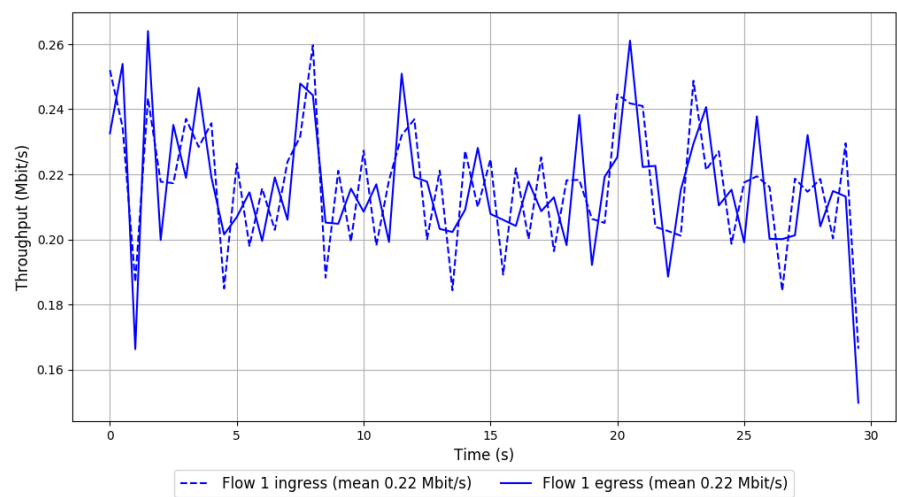
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.528 ms

Loss rate: 0.25%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2017-09-17 11:28:29

End at: 2017-09-17 11:28:59

Local clock offset: -1.968 ms

Remote clock offset: 1.326 ms

Below is generated by plot.py at 2017-09-17 16:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 22.885 ms

Loss rate: 0.25%

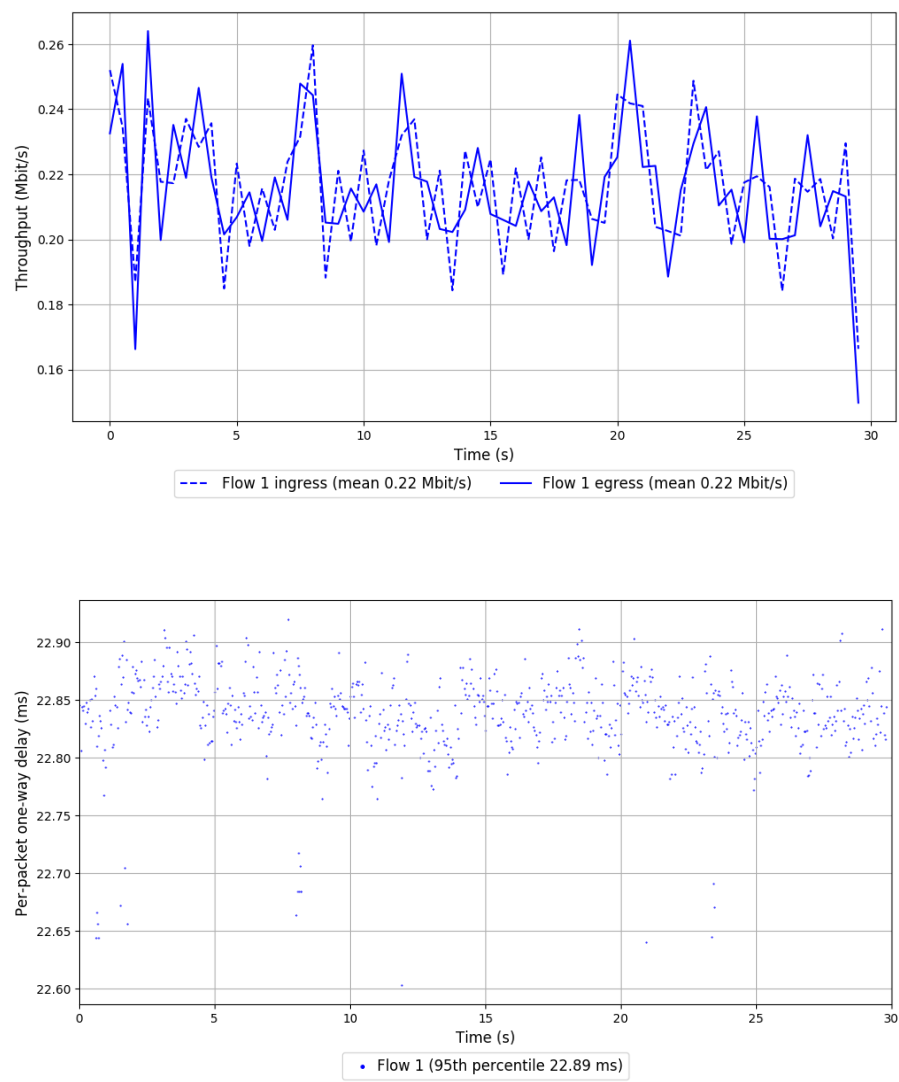
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 22.885 ms

Loss rate: 0.25%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2017-09-17 11:48:46

End at: 2017-09-17 11:49:16

Local clock offset: -1.547 ms

Remote clock offset: 0.727 ms

Below is generated by plot.py at 2017-09-17 16:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.254 ms

Loss rate: 0.13%

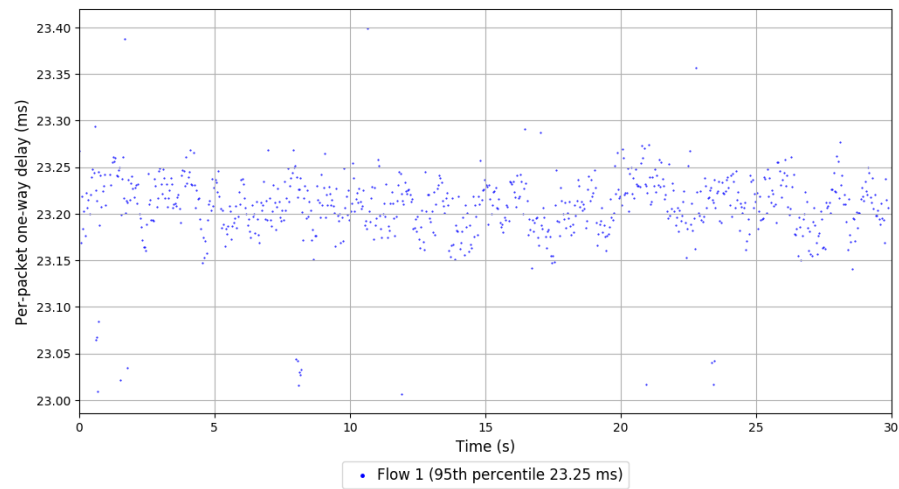
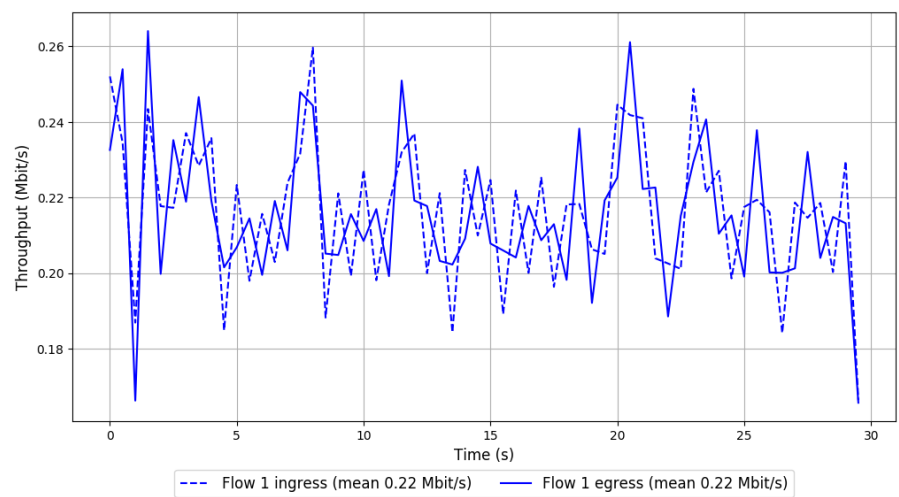
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.254 ms

Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

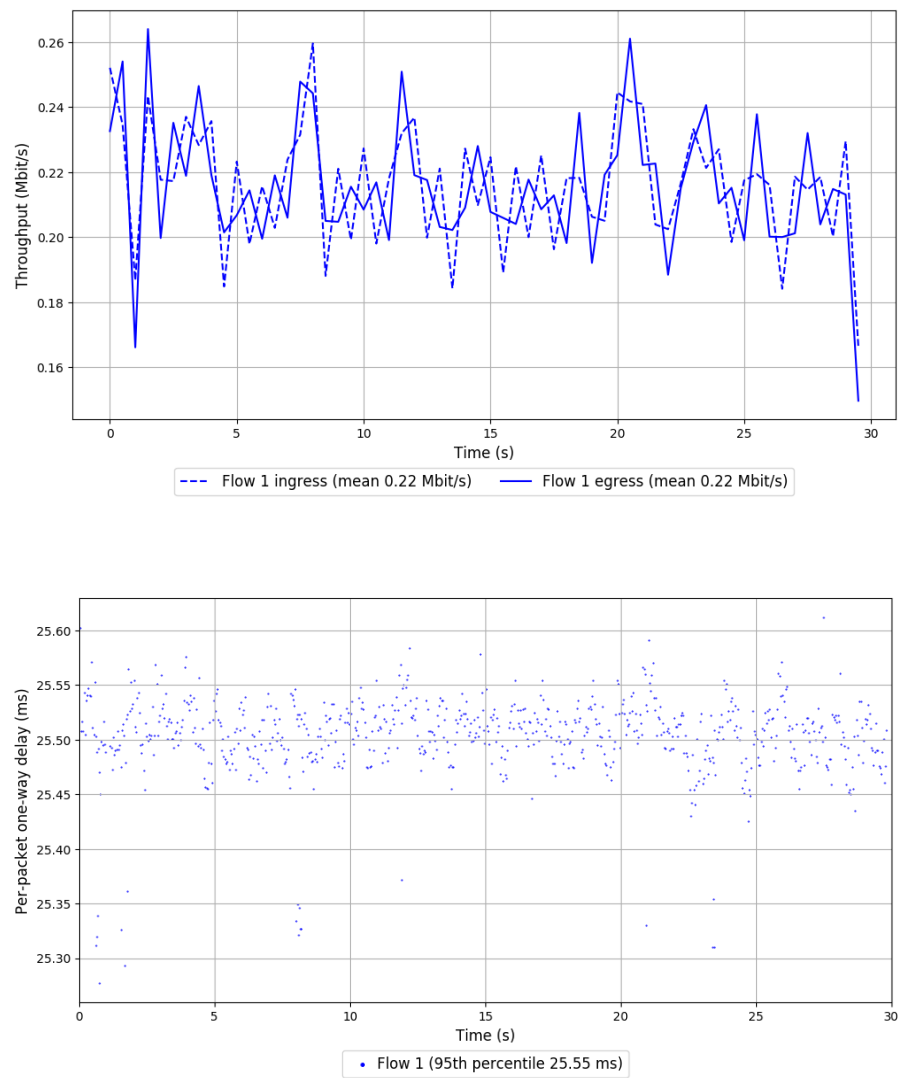


Run 9: Statistics of SCReAM

Start at: 2017-09-17 12:08:49
End at: 2017-09-17 12:09:19
Local clock offset: -1.47 ms
Remote clock offset: -1.744 ms

Below is generated by plot.py at 2017-09-17 16:18:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.550 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.550 ms
Loss rate: 0.25%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2017-09-17 12:28:51

End at: 2017-09-17 12:29:21

Local clock offset: -1.198 ms

Remote clock offset: 0.836 ms

Below is generated by plot.py at 2017-09-17 16:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 22.882 ms

Loss rate: 0.13%

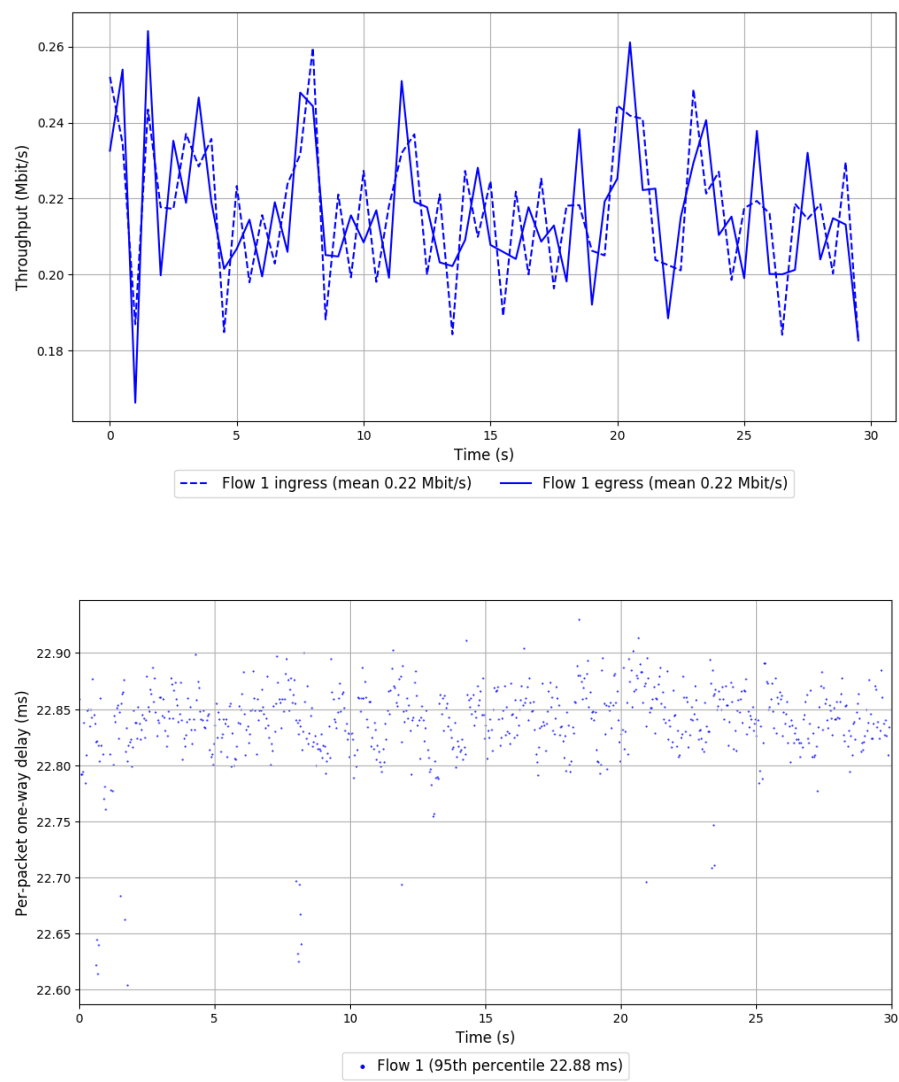
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 22.882 ms

Loss rate: 0.13%

Run 10: Report of SCRaM — Data Link



Run 1: Statistics of Sprout

Start at: 2017-09-17 09:29:22

End at: 2017-09-17 09:29:52

Local clock offset: -3.06 ms

Remote clock offset: -2.625 ms

Below is generated by plot.py at 2017-09-17 16:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.40 Mbit/s

95th percentile per-packet one-way delay: 29.448 ms

Loss rate: 0.16%

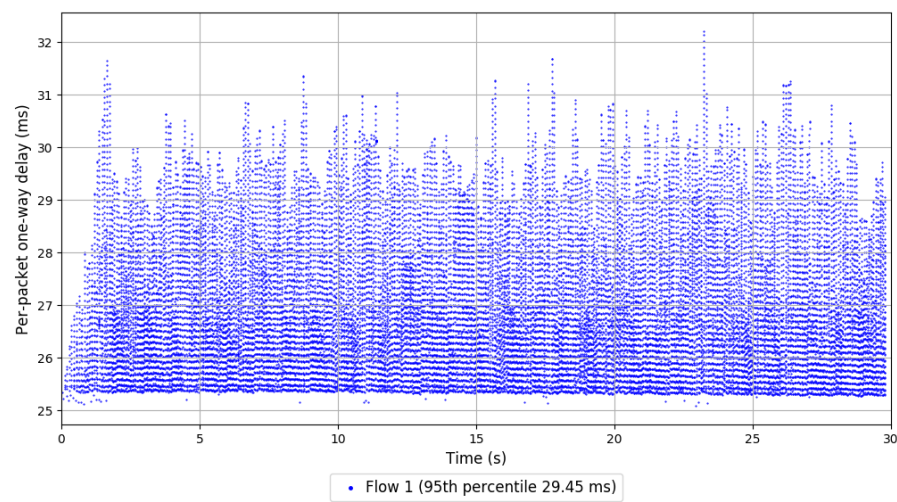
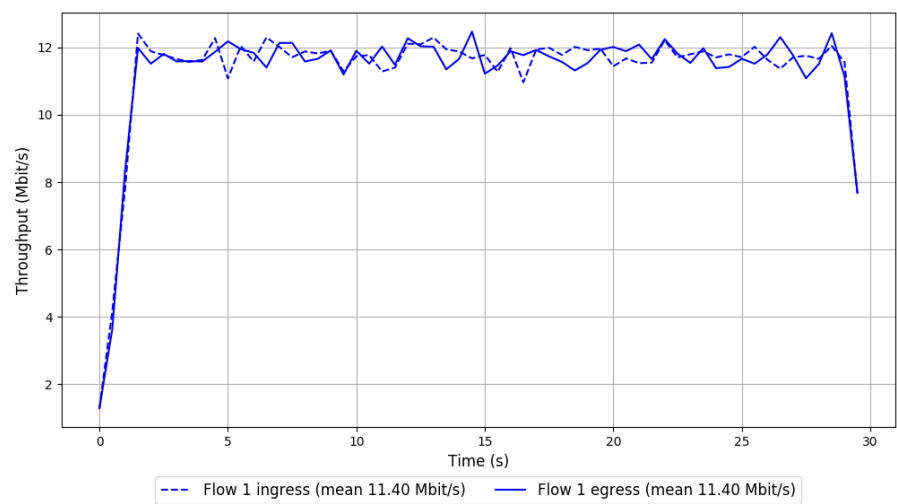
-- Flow 1:

Average throughput: 11.40 Mbit/s

95th percentile per-packet one-way delay: 29.448 ms

Loss rate: 0.16%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2017-09-17 09:49:22

End at: 2017-09-17 09:49:52

Local clock offset: -2.525 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2017-09-17 16:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 27.580 ms

Loss rate: 0.26%

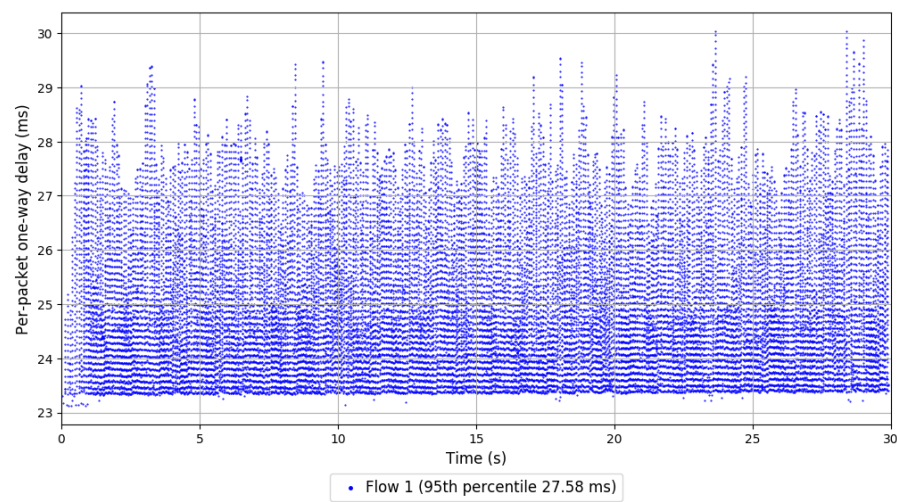
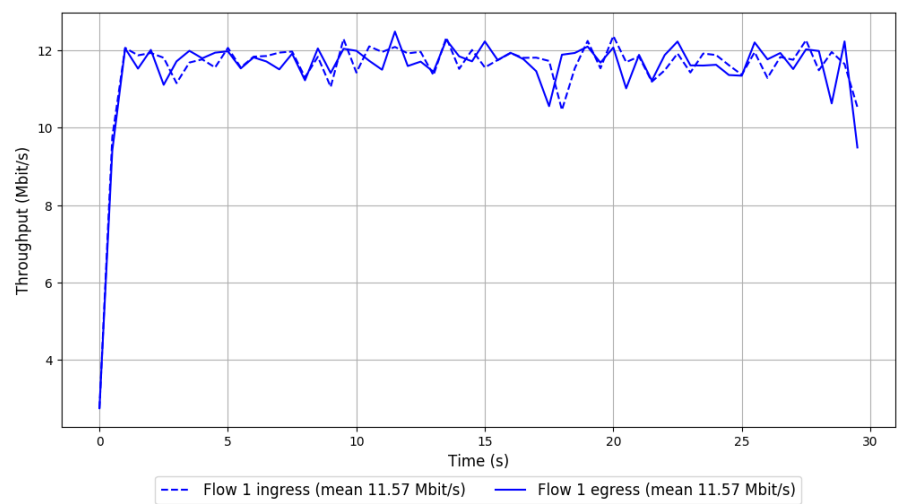
-- Flow 1:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 27.580 ms

Loss rate: 0.26%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2017-09-17 10:09:25

End at: 2017-09-17 10:09:55

Local clock offset: -2.679 ms

Remote clock offset: 0.524 ms

Below is generated by plot.py at 2017-09-17 16:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.65 Mbit/s

95th percentile per-packet one-way delay: 27.640 ms

Loss rate: 0.28%

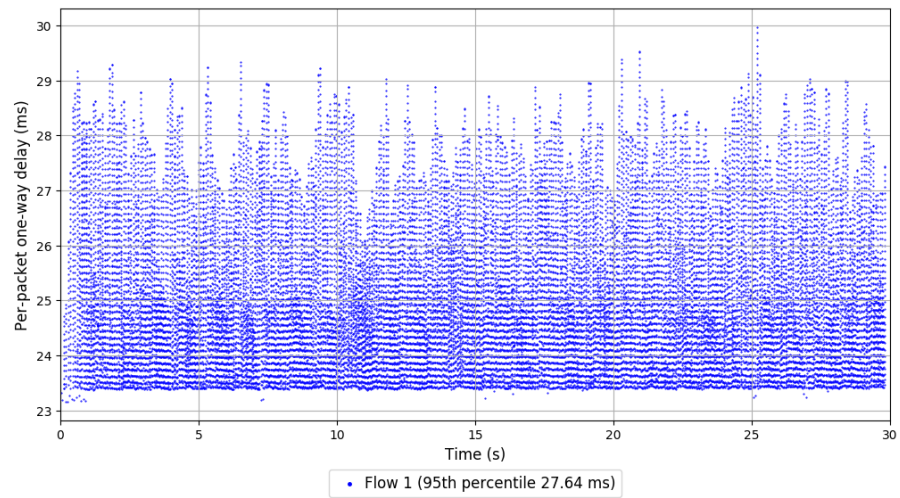
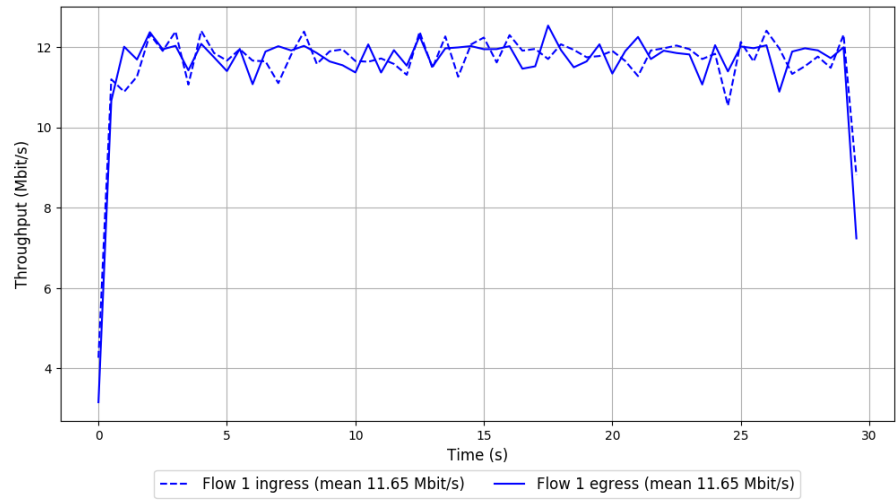
-- Flow 1:

Average throughput: 11.65 Mbit/s

95th percentile per-packet one-way delay: 27.640 ms

Loss rate: 0.28%

Run 3: Report of Sprout — Data Link

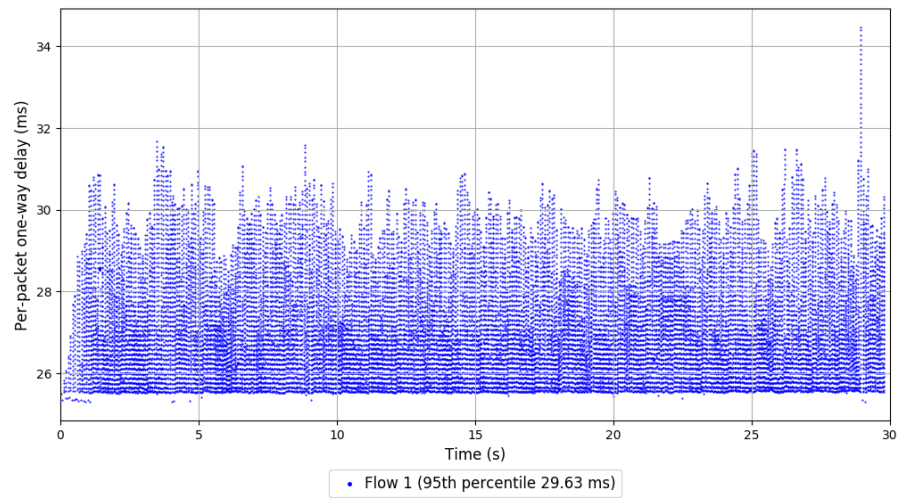
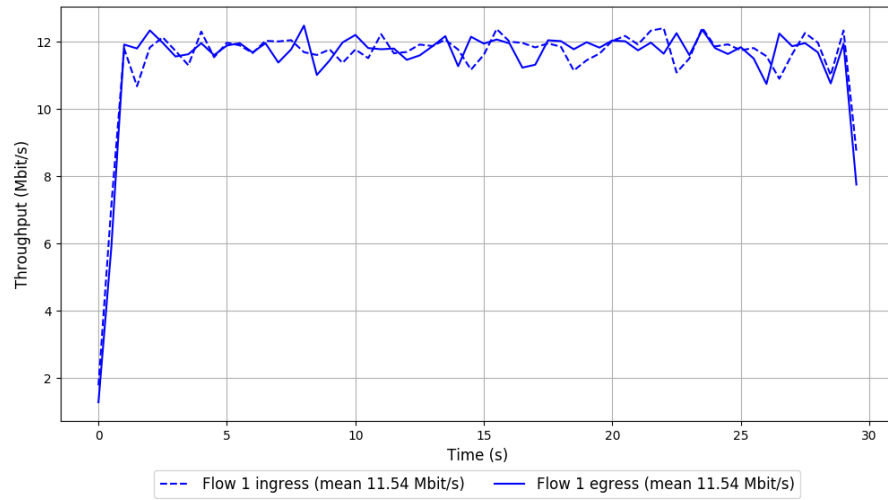


Run 4: Statistics of Sprout

Start at: 2017-09-17 10:29:29
End at: 2017-09-17 10:29:59
Local clock offset: -2.555 ms
Remote clock offset: -1.473 ms

Below is generated by plot.py at 2017-09-17 16:18:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 29.631 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 29.631 ms
Loss rate: 0.32%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-09-17 10:49:31

End at: 2017-09-17 10:50:01

Local clock offset: -2.589 ms

Remote clock offset: 1.163 ms

Below is generated by plot.py at 2017-09-17 16:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.56 Mbit/s

95th percentile per-packet one-way delay: 27.033 ms

Loss rate: 0.29%

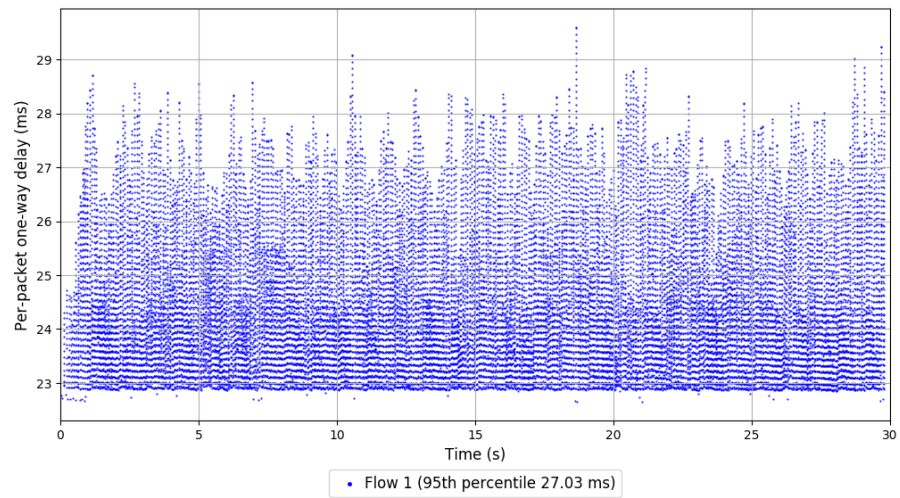
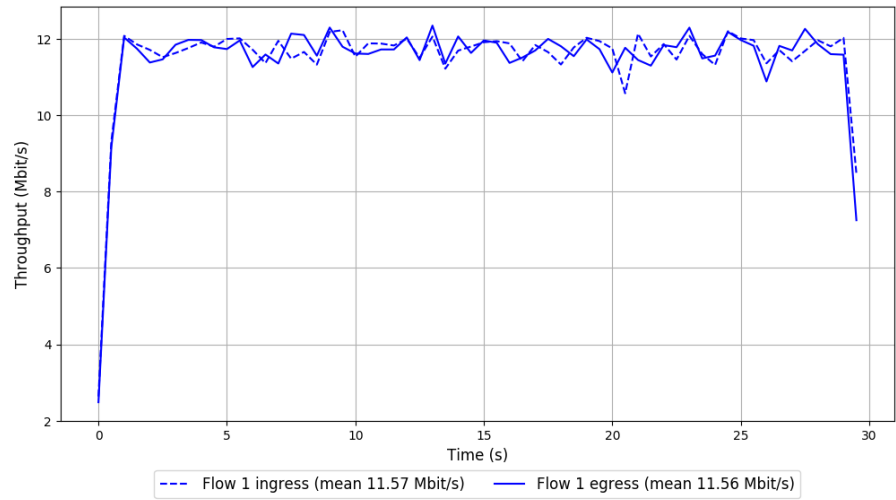
-- Flow 1:

Average throughput: 11.56 Mbit/s

95th percentile per-packet one-way delay: 27.033 ms

Loss rate: 0.29%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2017-09-17 11:09:37

End at: 2017-09-17 11:10:07

Local clock offset: -2.486 ms

Remote clock offset: 1.239 ms

Below is generated by plot.py at 2017-09-17 16:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 27.103 ms

Loss rate: 0.19%

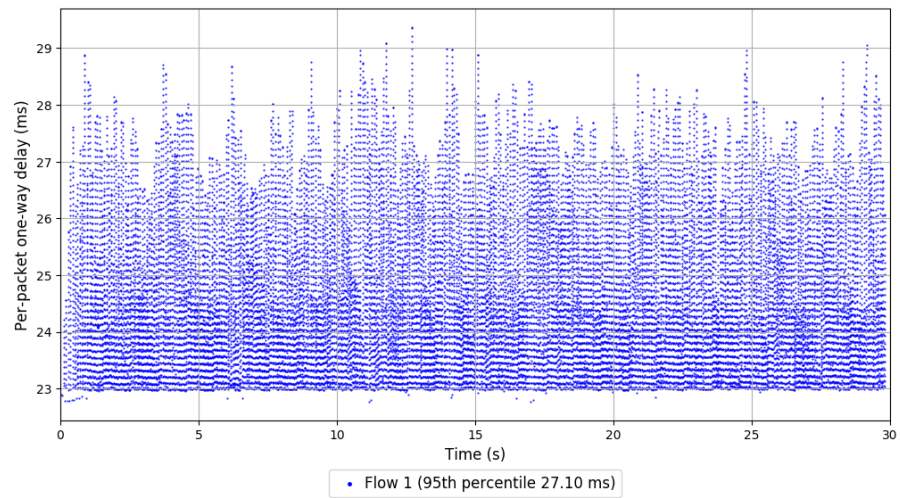
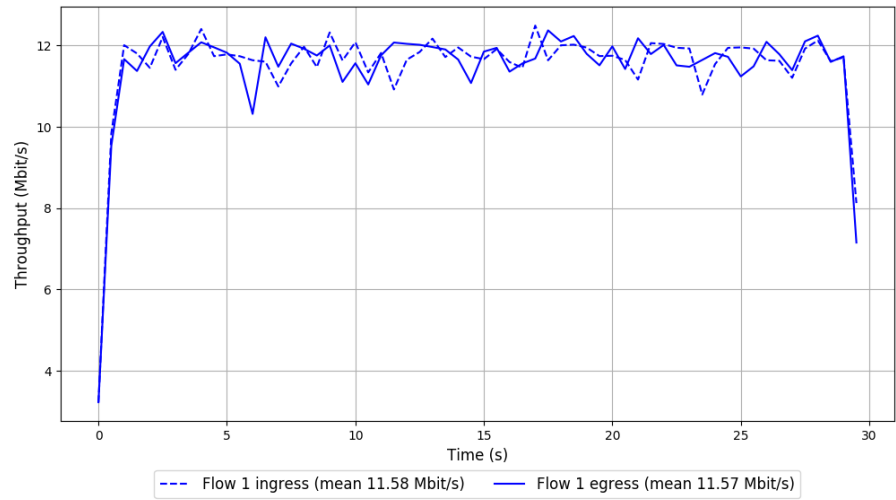
-- Flow 1:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 27.103 ms

Loss rate: 0.19%

Run 6: Report of Sprout — Data Link

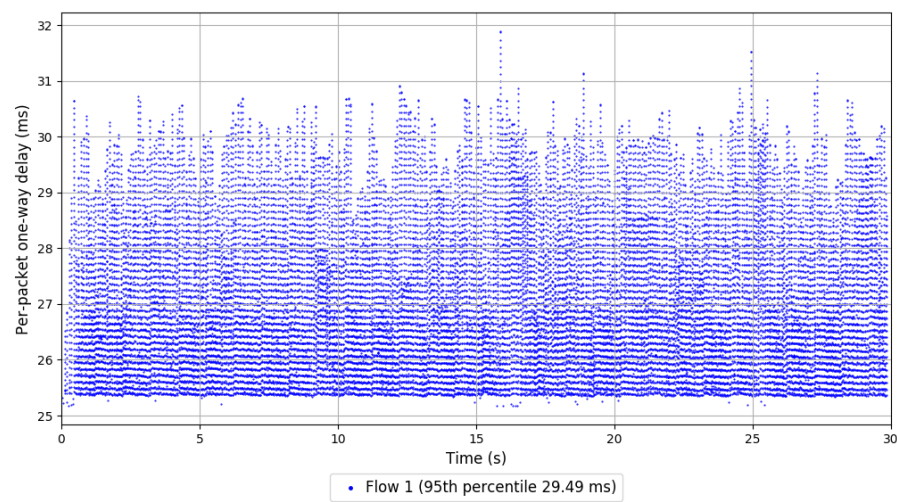
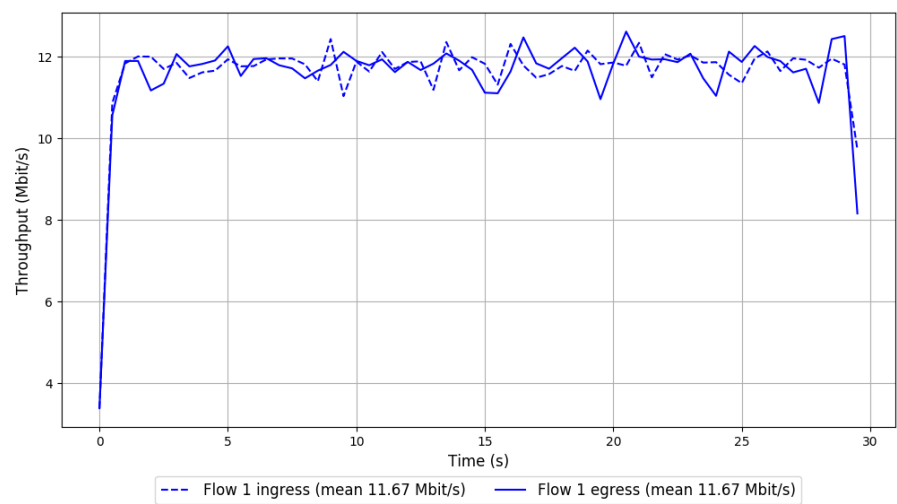


Run 7: Statistics of Sprout

Start at: 2017-09-17 11:29:45
End at: 2017-09-17 11:30:15
Local clock offset: -1.921 ms
Remote clock offset: -1.215 ms

Below is generated by plot.py at 2017-09-17 16:18:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 29.493 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 29.493 ms
Loss rate: 0.27%

Run 7: Report of Sprout — Data Link

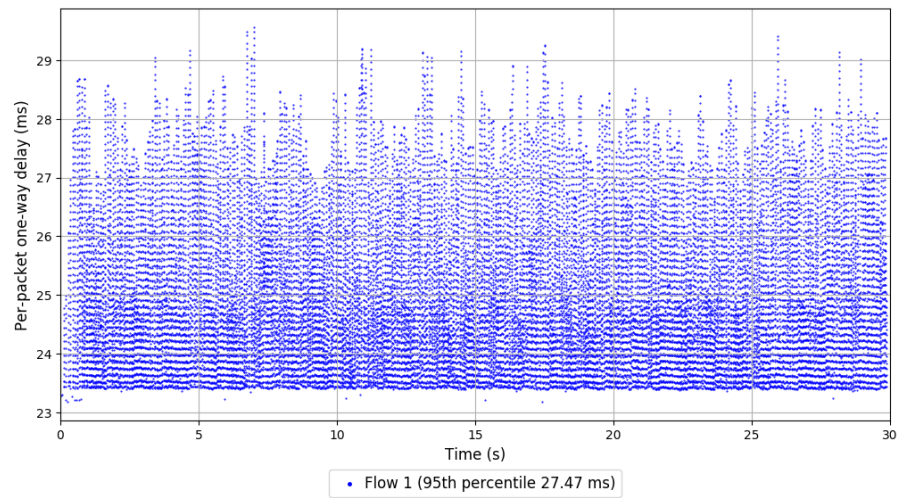
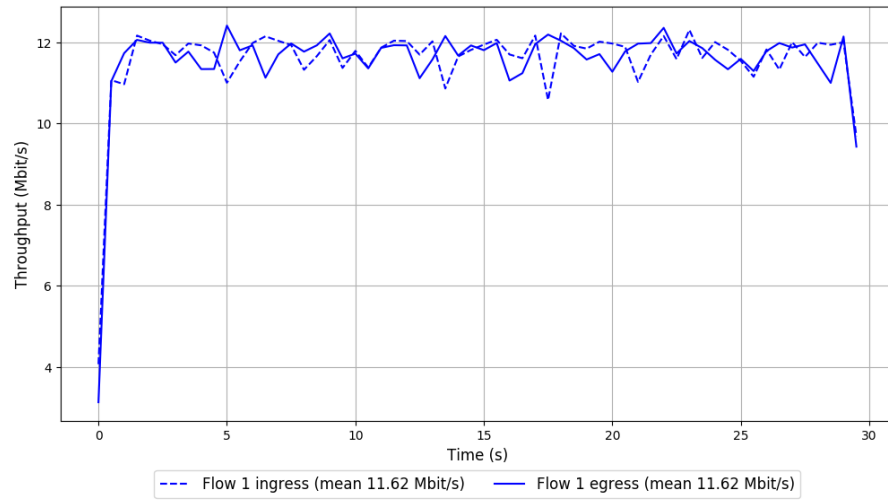


Run 8: Statistics of Sprout

Start at: 2017-09-17 11:50:02
End at: 2017-09-17 11:50:32
Local clock offset: -1.431 ms
Remote clock offset: 0.576 ms

Below is generated by plot.py at 2017-09-17 16:18:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 27.471 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 27.471 ms
Loss rate: 0.23%

Run 8: Report of Sprout — Data Link

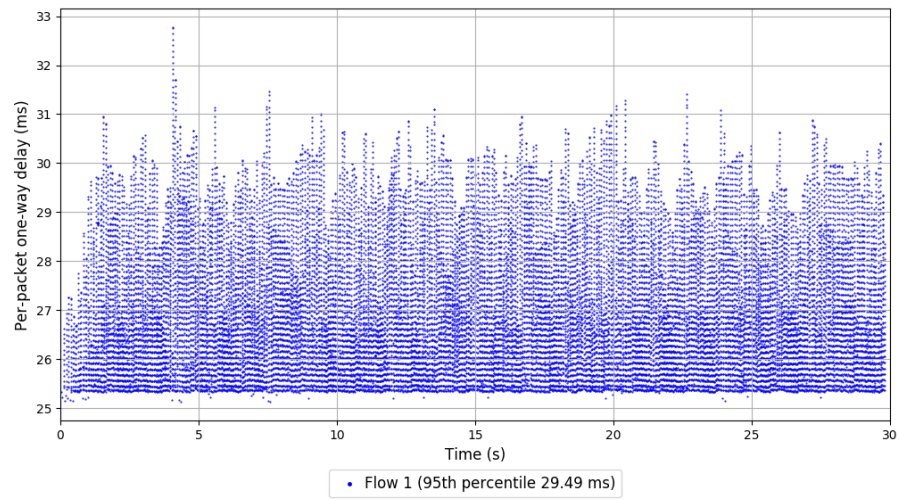
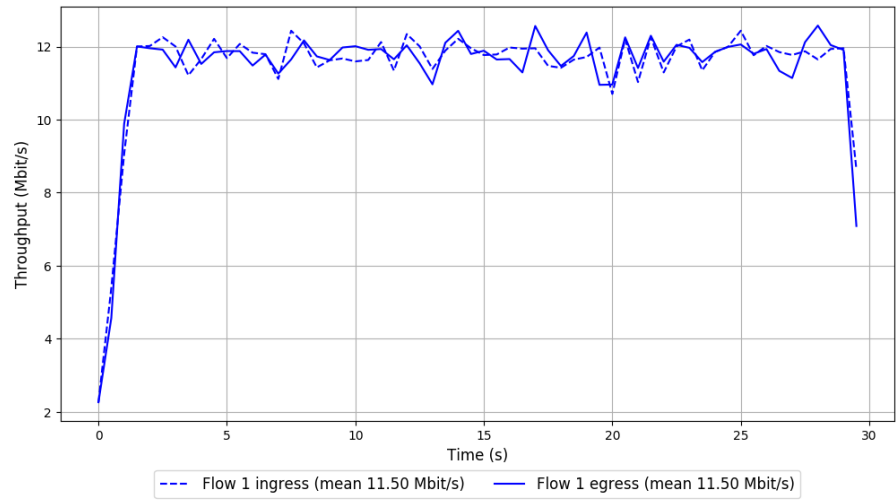


Run 9: Statistics of Sprout

Start at: 2017-09-17 12:10:05
End at: 2017-09-17 12:10:35
Local clock offset: -1.475 ms
Remote clock offset: -1.617 ms

Below is generated by plot.py at 2017-09-17 16:18:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.50 Mbit/s
95th percentile per-packet one-way delay: 29.494 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 11.50 Mbit/s
95th percentile per-packet one-way delay: 29.494 ms
Loss rate: 0.27%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-09-17 12:30:07

End at: 2017-09-17 12:30:37

Local clock offset: -1.166 ms

Remote clock offset: 0.211 ms

Below is generated by plot.py at 2017-09-17 16:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.28 Mbit/s

95th percentile per-packet one-way delay: 27.549 ms

Loss rate: 0.27%

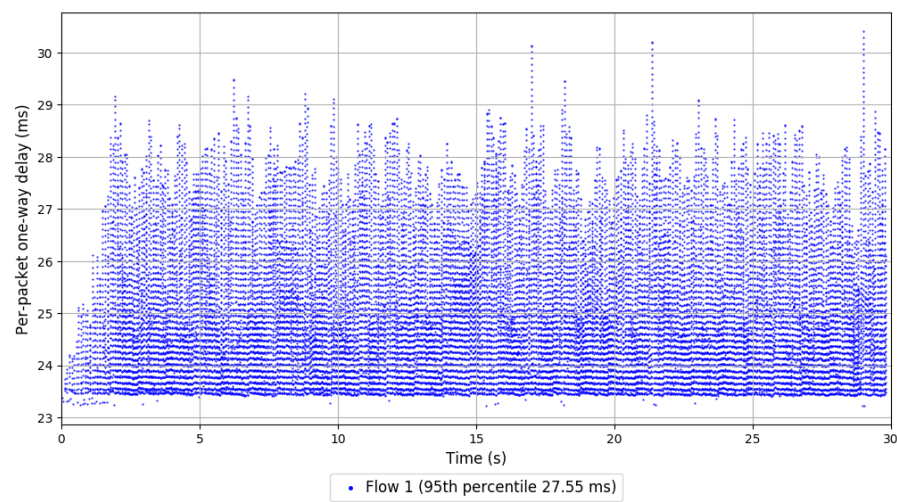
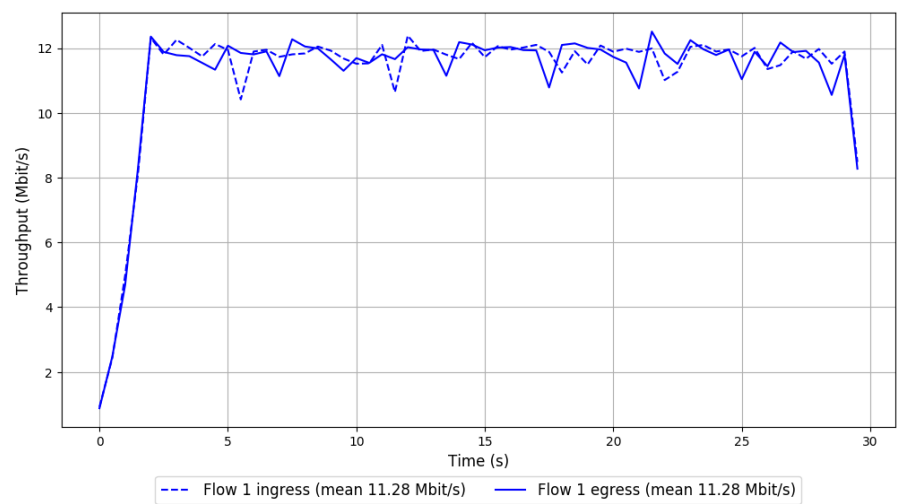
-- Flow 1:

Average throughput: 11.28 Mbit/s

95th percentile per-packet one-way delay: 27.549 ms

Loss rate: 0.27%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2017-09-17 09:21:25

End at: 2017-09-17 09:21:55

Local clock offset: -2.835 ms

Remote clock offset: -3.022 ms

Below is generated by plot.py at 2017-09-17 16:19:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.15 Mbit/s

95th percentile per-packet one-way delay: 35.642 ms

Loss rate: 0.52%

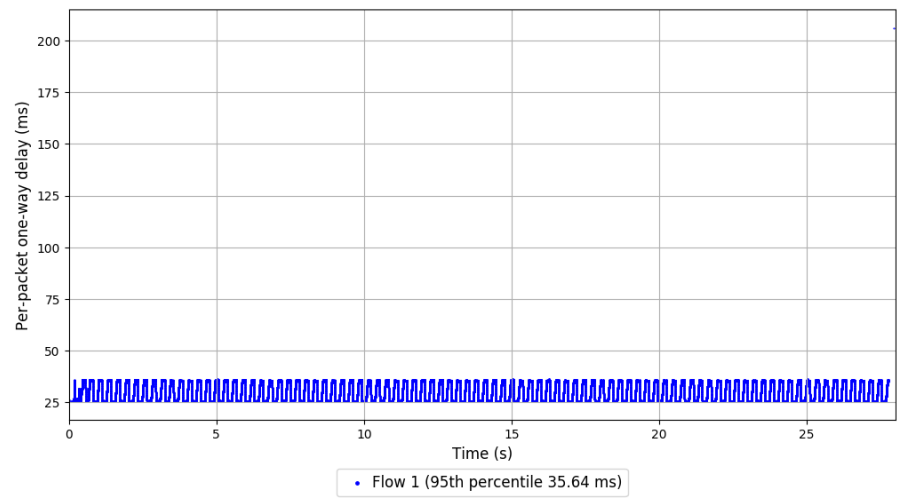
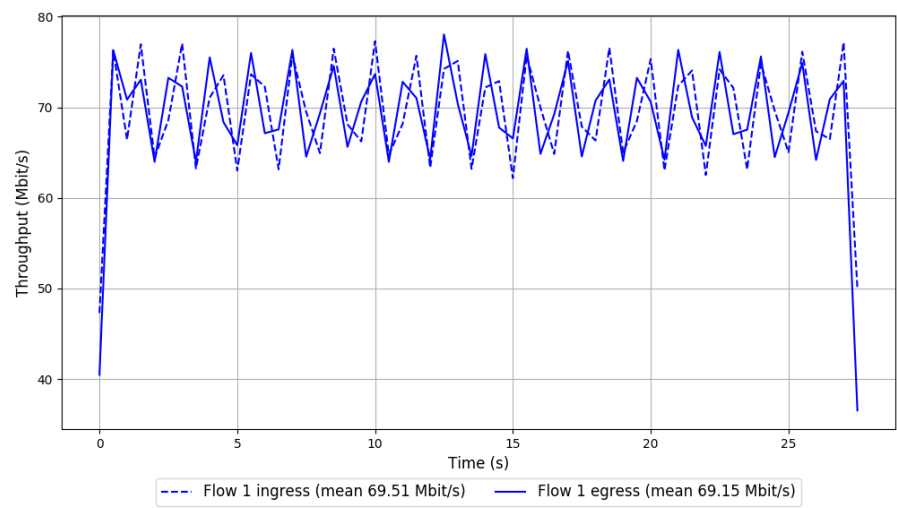
-- Flow 1:

Average throughput: 69.15 Mbit/s

95th percentile per-packet one-way delay: 35.642 ms

Loss rate: 0.52%

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



Run 2: Statistics of TaoVA-100x

Start at: 2017-09-17 09:41:24

End at: 2017-09-17 09:41:54

Local clock offset: -1.978 ms

Remote clock offset: -2.305 ms

Below is generated by plot.py at 2017-09-17 16:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.47 Mbit/s

95th percentile per-packet one-way delay: 35.583 ms

Loss rate: 0.27%

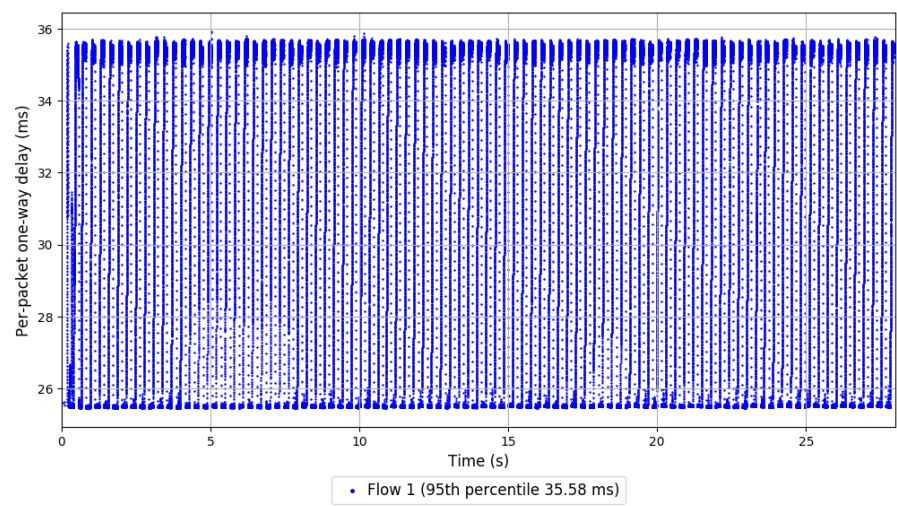
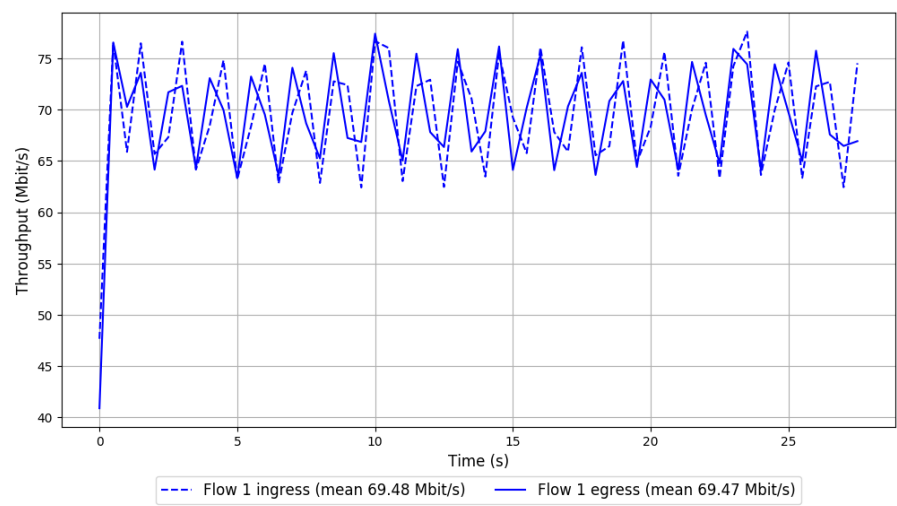
-- Flow 1:

Average throughput: 69.47 Mbit/s

95th percentile per-packet one-way delay: 35.583 ms

Loss rate: 0.27%

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-09-17 10:01:28

End at: 2017-09-17 10:01:58

Local clock offset: -2.601 ms

Remote clock offset: 0.888 ms

Below is generated by plot.py at 2017-09-17 16:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.58 Mbit/s

95th percentile per-packet one-way delay: 32.891 ms

Loss rate: 0.37%

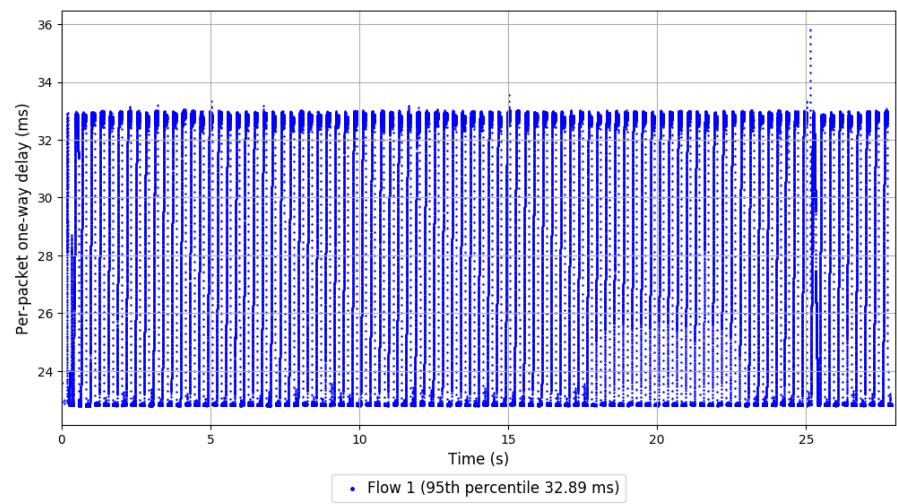
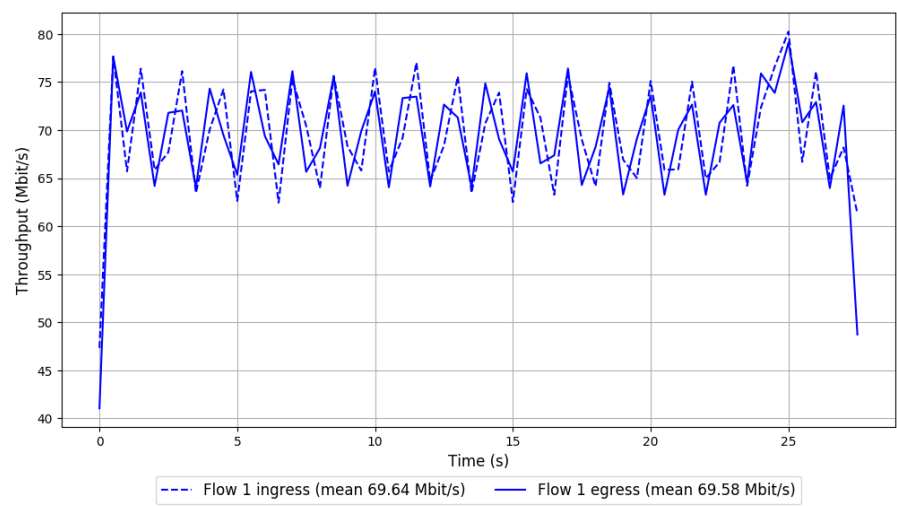
-- Flow 1:

Average throughput: 69.58 Mbit/s

95th percentile per-packet one-way delay: 32.891 ms

Loss rate: 0.37%

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



Run 4: Statistics of TaoVA-100x

Start at: 2017-09-17 10:21:32

End at: 2017-09-17 10:22:02

Local clock offset: -2.422 ms

Remote clock offset: 0.957 ms

Below is generated by plot.py at 2017-09-17 16:19:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.46 Mbit/s

95th percentile per-packet one-way delay: 33.297 ms

Loss rate: 0.15%

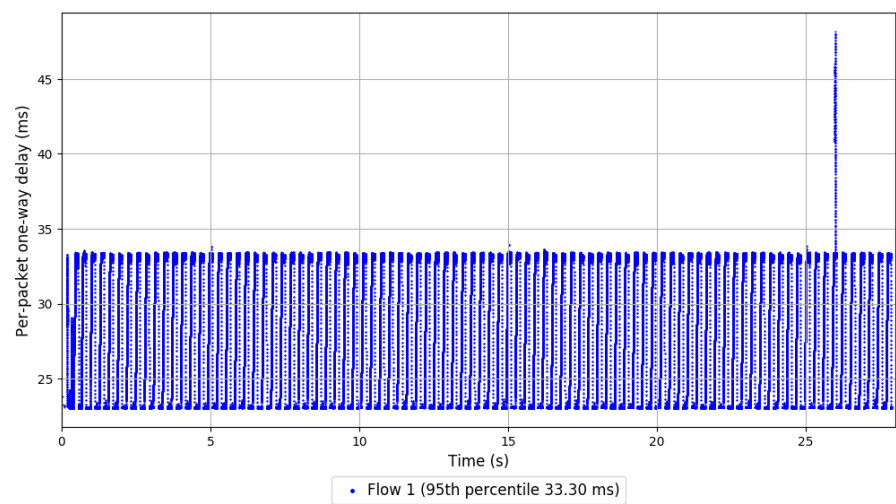
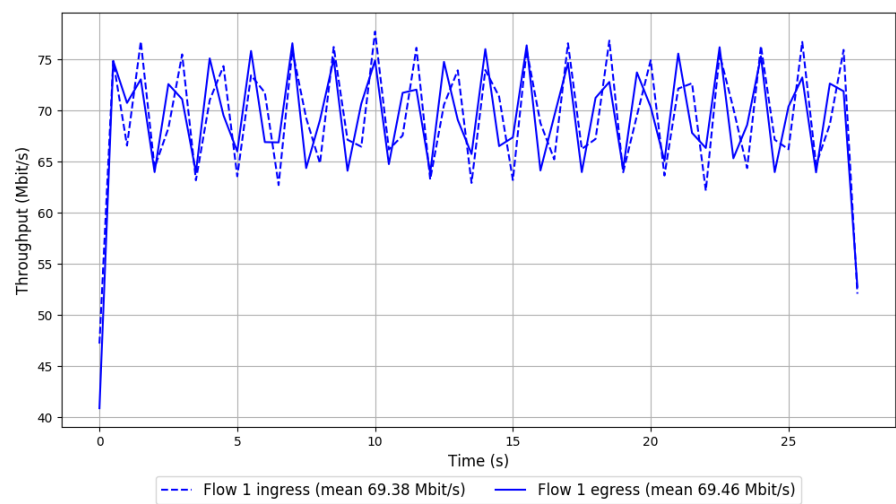
-- Flow 1:

Average throughput: 69.46 Mbit/s

95th percentile per-packet one-way delay: 33.297 ms

Loss rate: 0.15%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-09-17 10:41:35

End at: 2017-09-17 10:42:05

Local clock offset: -3.274 ms

Remote clock offset: 1.126 ms

Below is generated by plot.py at 2017-09-17 16:19:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.44 Mbit/s

95th percentile per-packet one-way delay: 33.046 ms

Loss rate: 0.41%

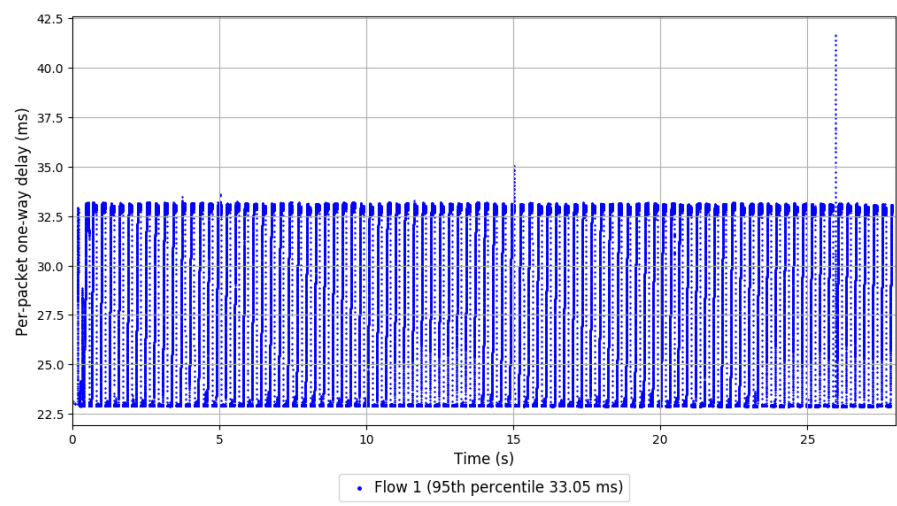
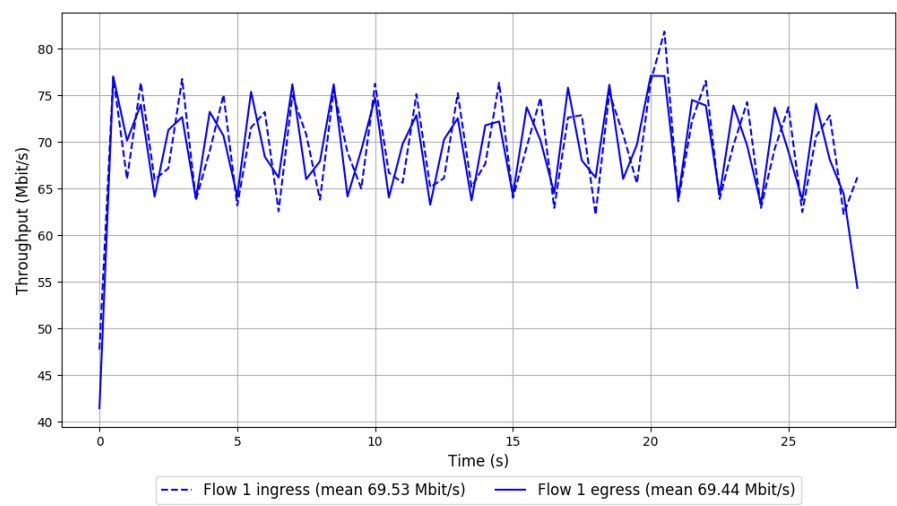
-- Flow 1:

Average throughput: 69.44 Mbit/s

95th percentile per-packet one-way delay: 33.046 ms

Loss rate: 0.41%

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

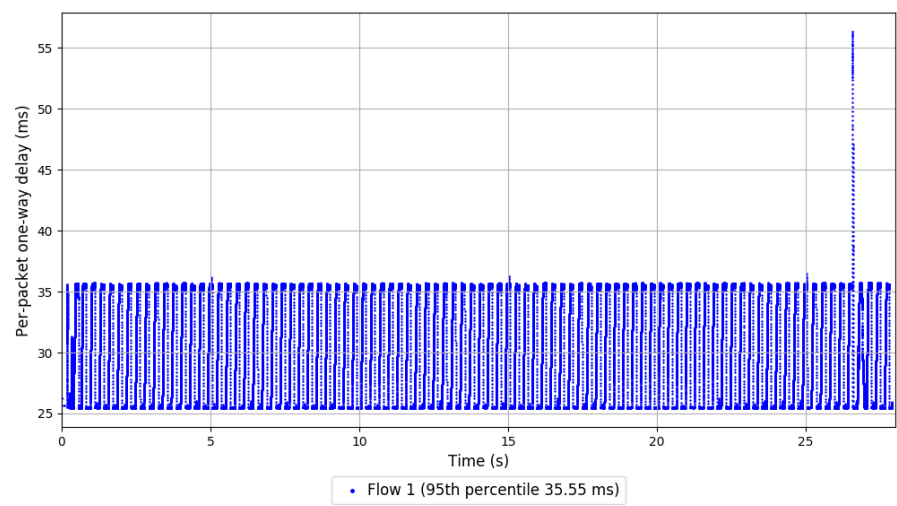
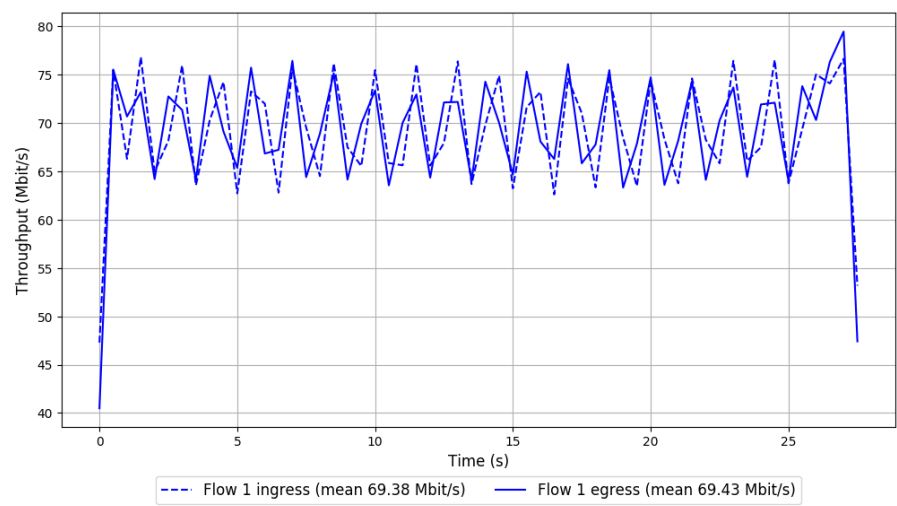


Run 6: Statistics of TaoVA-100x

Start at: 2017-09-17 11:01:39
End at: 2017-09-17 11:02:09
Local clock offset: -2.411 ms
Remote clock offset: -1.304 ms

Below is generated by plot.py at 2017-09-17 16:19:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.43 Mbit/s
95th percentile per-packet one-way delay: 35.555 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 69.43 Mbit/s
95th percentile per-packet one-way delay: 35.555 ms
Loss rate: 0.19%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-09-17 11:21:46

End at: 2017-09-17 11:22:16

Local clock offset: -2.439 ms

Remote clock offset: 0.728 ms

Below is generated by plot.py at 2017-09-17 16:19:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.12 Mbit/s

95th percentile per-packet one-way delay: 33.418 ms

Loss rate: 0.40%

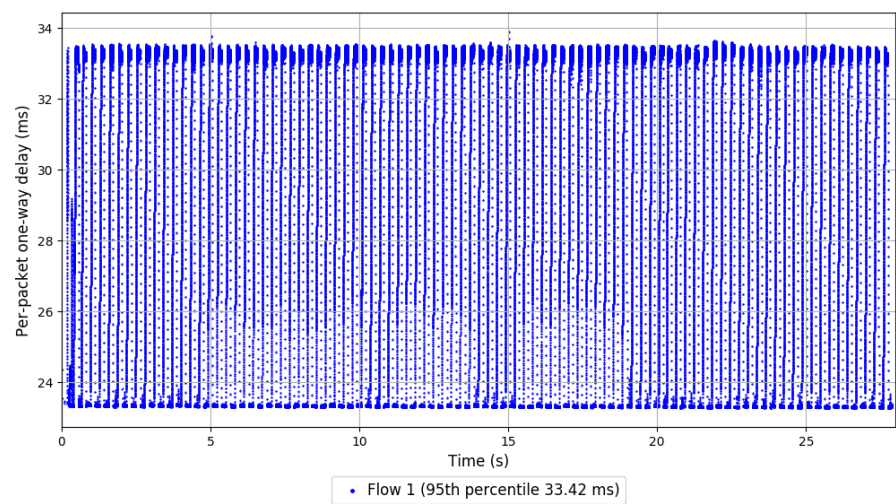
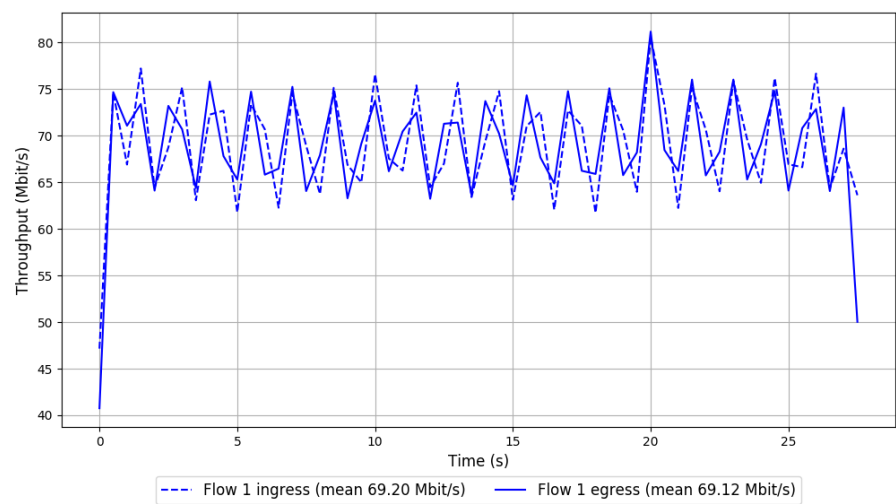
-- Flow 1:

Average throughput: 69.12 Mbit/s

95th percentile per-packet one-way delay: 33.418 ms

Loss rate: 0.40%

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

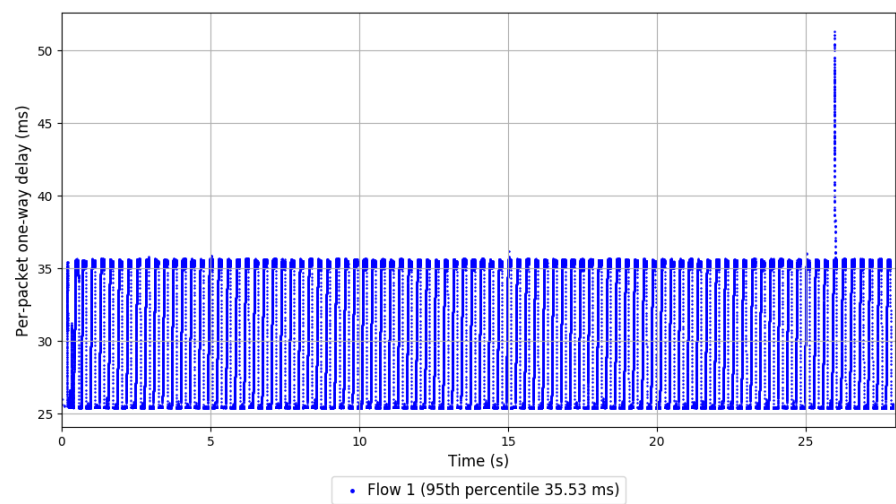
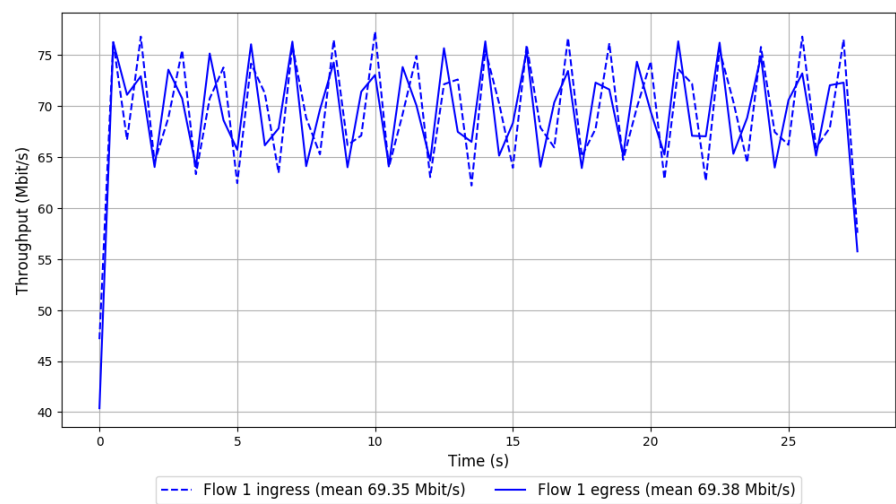


Run 8: Statistics of TaoVA-100x

Start at: 2017-09-17 11:42:05
End at: 2017-09-17 11:42:35
Local clock offset: -1.703 ms
Remote clock offset: -1.467 ms

Below is generated by plot.py at 2017-09-17 16:20:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.38 Mbit/s
95th percentile per-packet one-way delay: 35.535 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 69.38 Mbit/s
95th percentile per-packet one-way delay: 35.535 ms
Loss rate: 0.22%

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

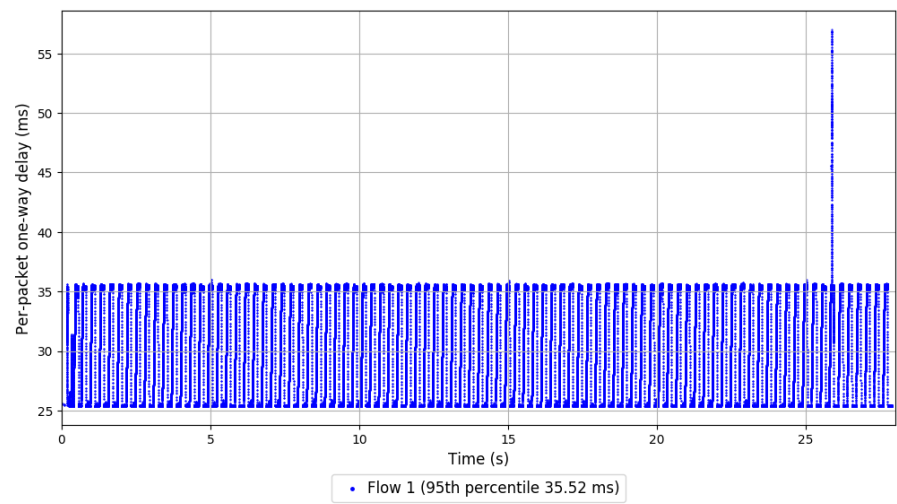
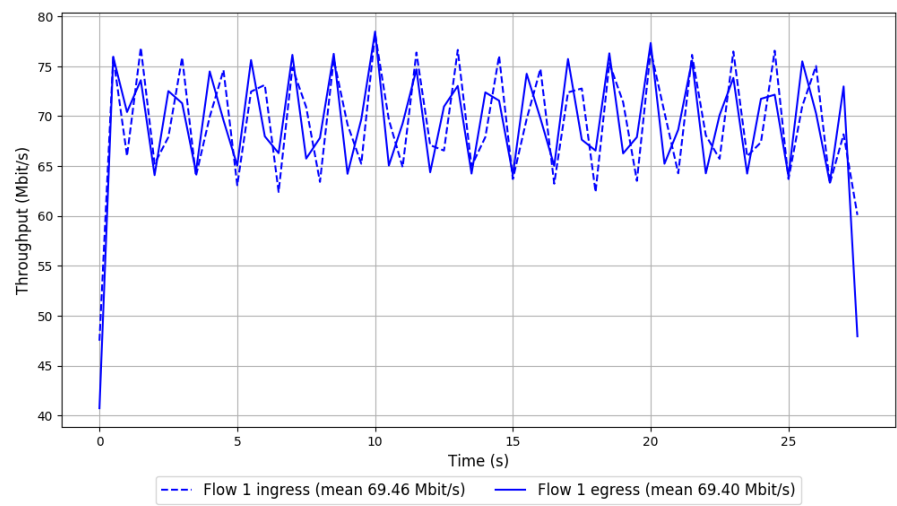


Run 9: Statistics of TaoVA-100x

Start at: 2017-09-17 12:02:09
End at: 2017-09-17 12:02:39
Local clock offset: -1.467 ms
Remote clock offset: -1.656 ms

Below is generated by plot.py at 2017-09-17 16:21:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.40 Mbit/s
95th percentile per-packet one-way delay: 35.524 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 69.40 Mbit/s
95th percentile per-packet one-way delay: 35.524 ms
Loss rate: 0.36%

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

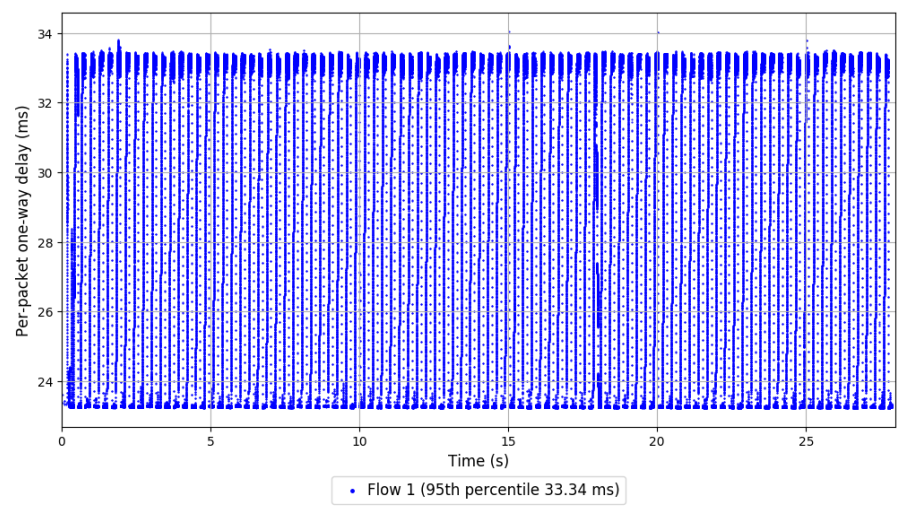
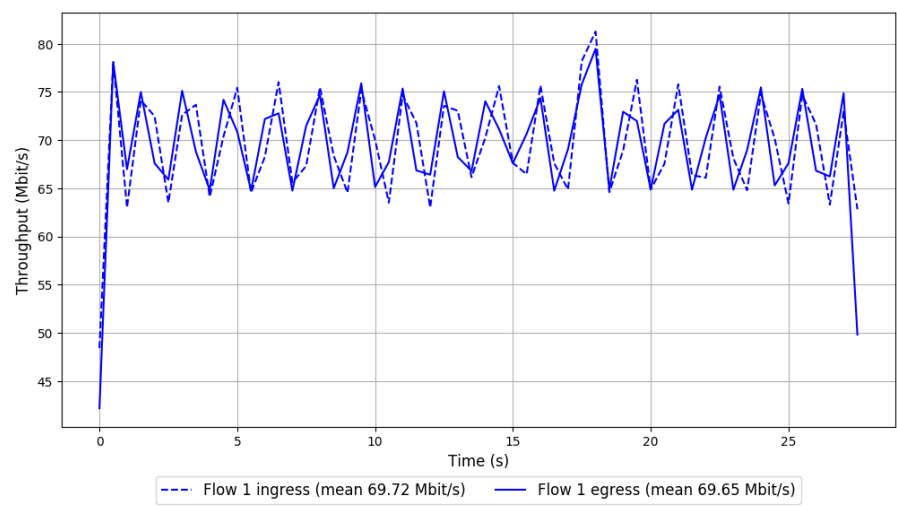


```
Run 10: Statistics of TaoVA-100x

Start at: 2017-09-17 12:22:08
End at: 2017-09-17 12:22:38
Local clock offset: -1.347 ms
Remote clock offset: 0.306 ms

# Below is generated by plot.py at 2017-09-17 16:21:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.65 Mbit/s
95th percentile per-packet one-way delay: 33.338 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 69.65 Mbit/s
95th percentile per-packet one-way delay: 33.338 ms
Loss rate: 0.37%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2017-09-17 09:20:03

End at: 2017-09-17 09:20:33

Local clock offset: -2.931 ms

Remote clock offset: -3.15 ms

Below is generated by plot.py at 2017-09-17 16:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.74 Mbit/s

95th percentile per-packet one-way delay: 28.937 ms

Loss rate: 0.26%

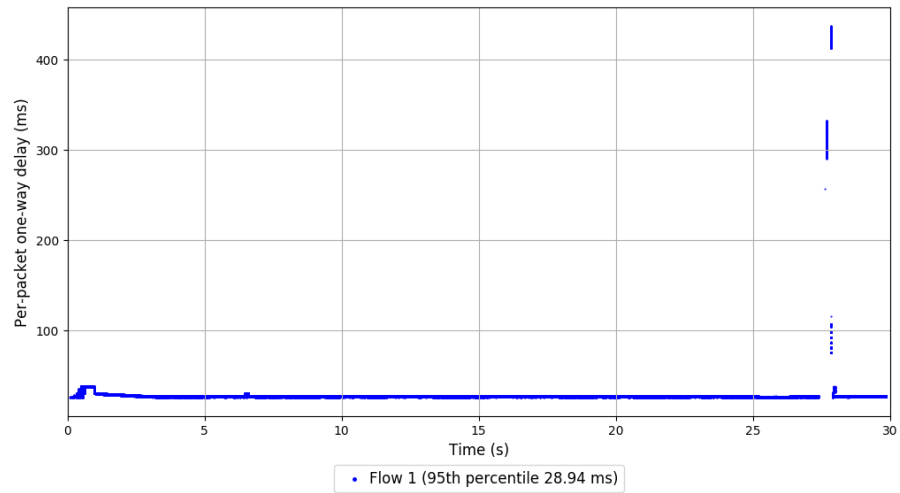
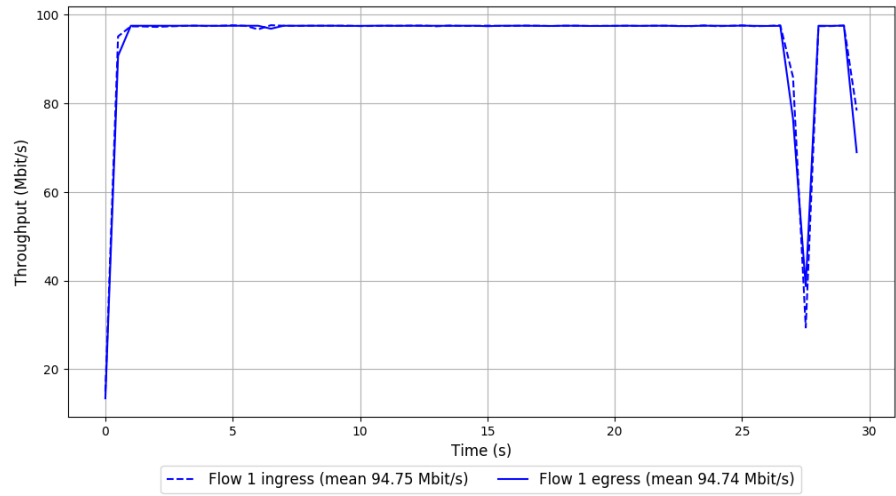
-- Flow 1:

Average throughput: 94.74 Mbit/s

95th percentile per-packet one-way delay: 28.937 ms

Loss rate: 0.26%

Run 1: Report of TCP Vegas — Data Link

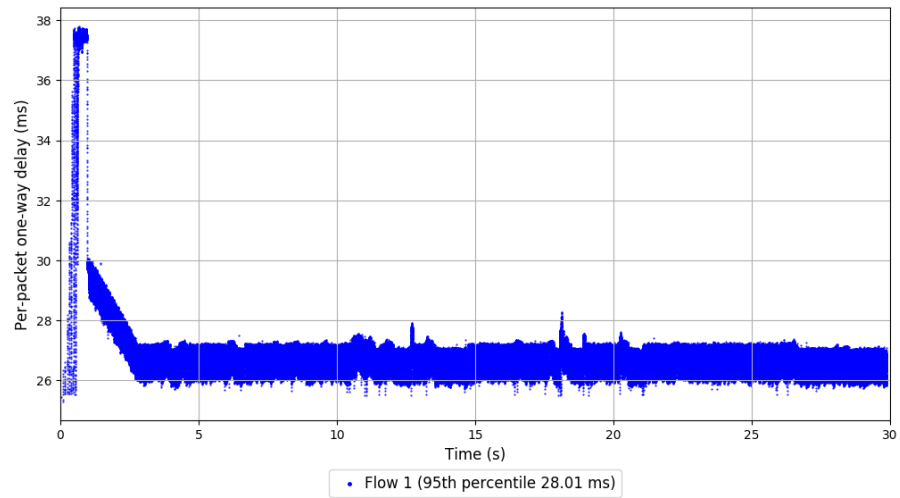
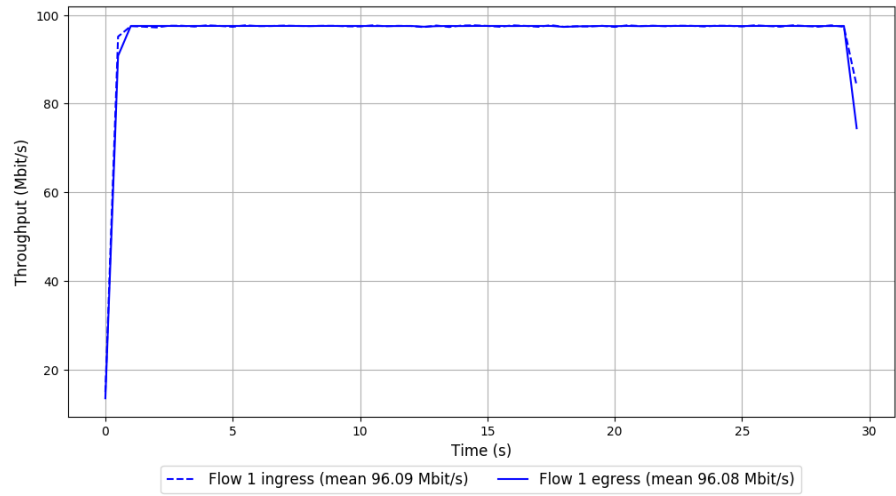


Run 2: Statistics of TCP Vegas

Start at: 2017-09-17 09:40:03
End at: 2017-09-17 09:40:33
Local clock offset: -1.971 ms
Remote clock offset: -2.378 ms

Below is generated by plot.py at 2017-09-17 16:21:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 28.010 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 28.010 ms
Loss rate: 0.25%

Run 2: Report of TCP Vegas — Data Link

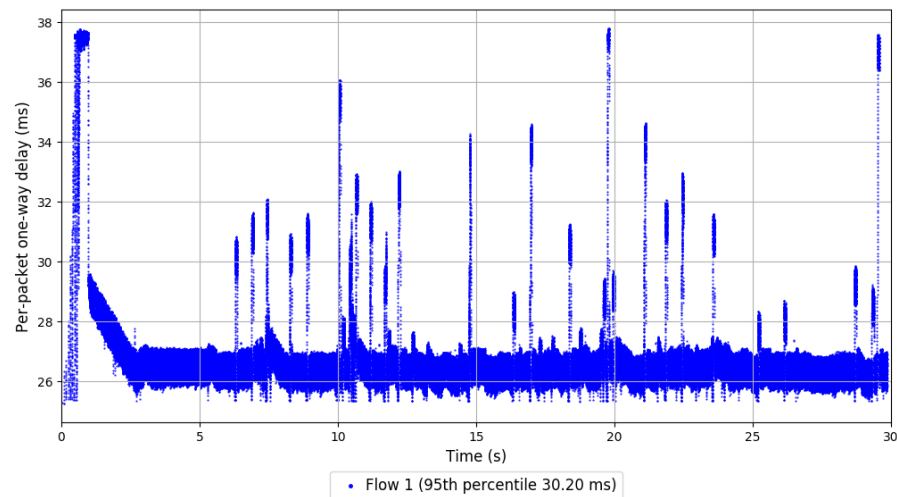
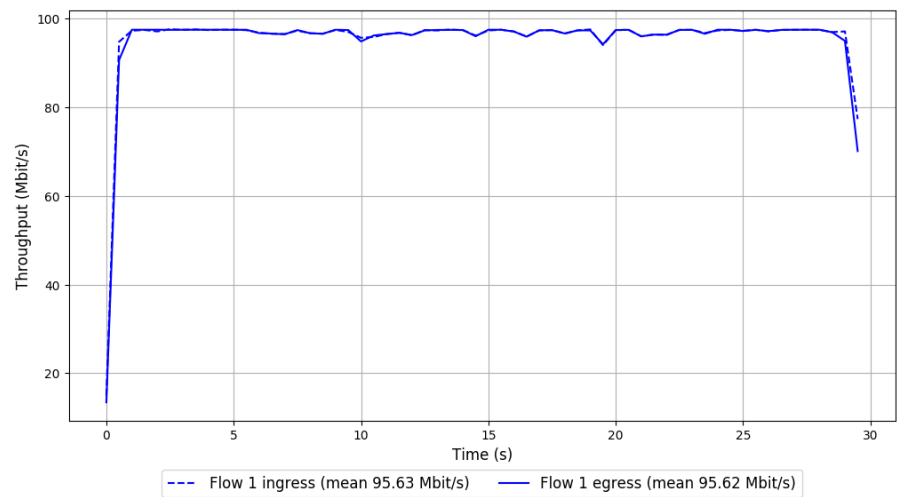


Run 3: Statistics of TCP Vegas

Start at: 2017-09-17 10:00:07
End at: 2017-09-17 10:00:37
Local clock offset: -2.727 ms
Remote clock offset: -1.786 ms

Below is generated by plot.py at 2017-09-17 16:21:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 30.198 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 30.198 ms
Loss rate: 0.25%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2017-09-17 10:20:11

End at: 2017-09-17 10:20:41

Local clock offset: -2.411 ms

Remote clock offset: 1.01 ms

Below is generated by plot.py at 2017-09-17 16:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.96 Mbit/s

95th percentile per-packet one-way delay: 25.186 ms

Loss rate: 0.25%

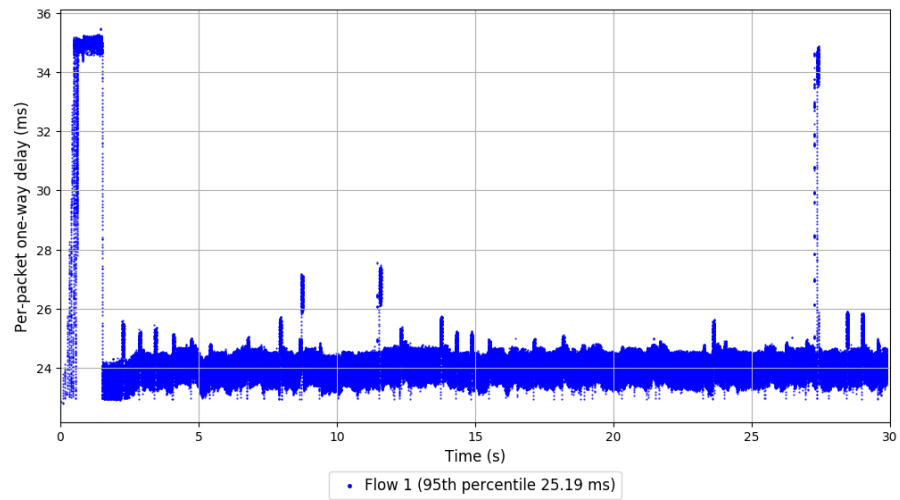
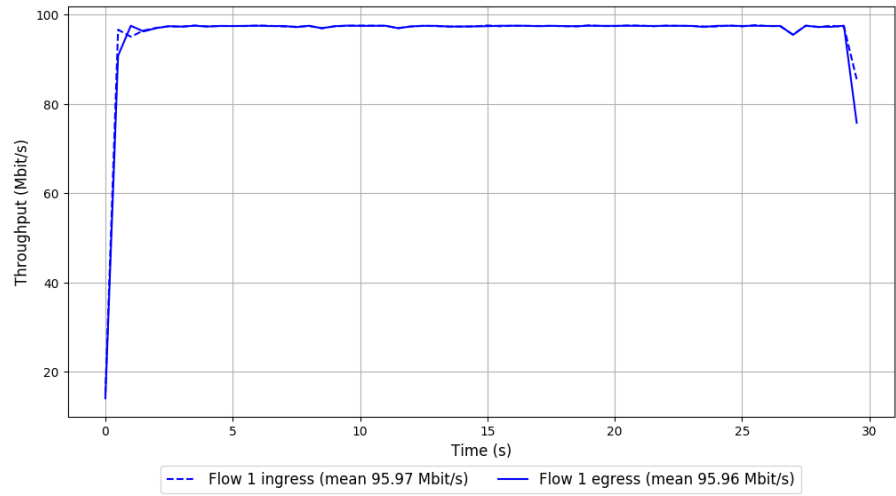
-- Flow 1:

Average throughput: 95.96 Mbit/s

95th percentile per-packet one-way delay: 25.186 ms

Loss rate: 0.25%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-09-17 10:40:14

End at: 2017-09-17 10:40:44

Local clock offset: -3.221 ms

Remote clock offset: 0.765 ms

Below is generated by plot.py at 2017-09-17 16:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 26.218 ms

Loss rate: 0.26%

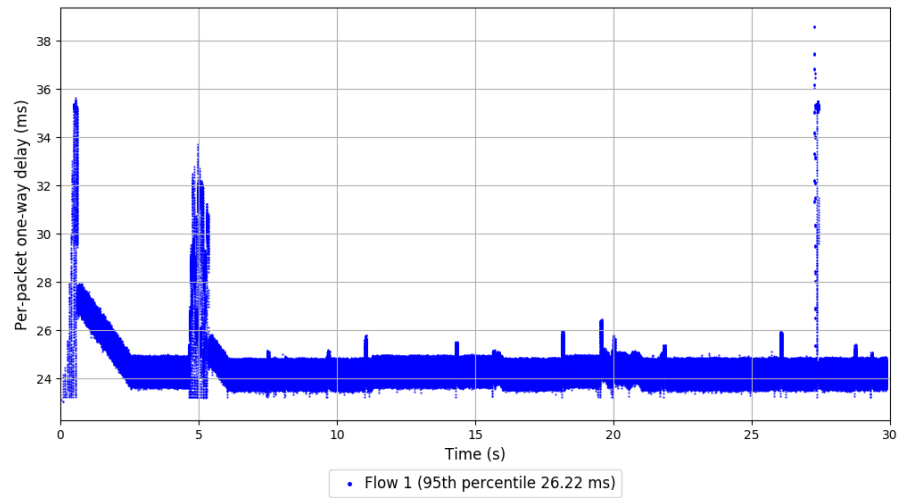
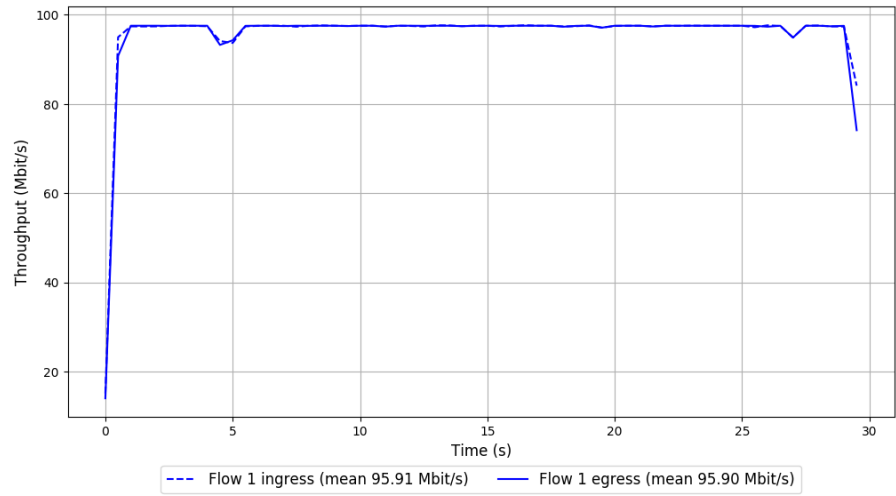
-- Flow 1:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 26.218 ms

Loss rate: 0.26%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2017-09-17 11:00:18

End at: 2017-09-17 11:00:48

Local clock offset: -2.339 ms

Remote clock offset: 0.794 ms

Below is generated by plot.py at 2017-09-17 16:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.35 Mbit/s

95th percentile per-packet one-way delay: 26.423 ms

Loss rate: 0.17%

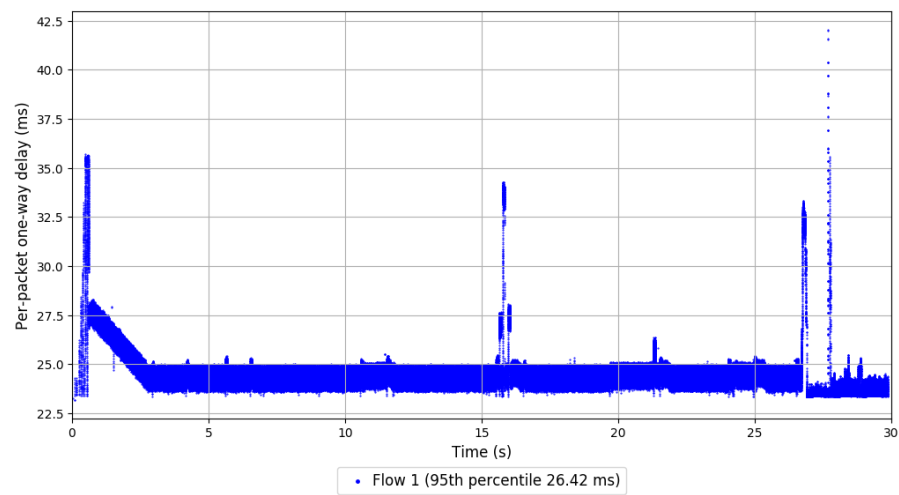
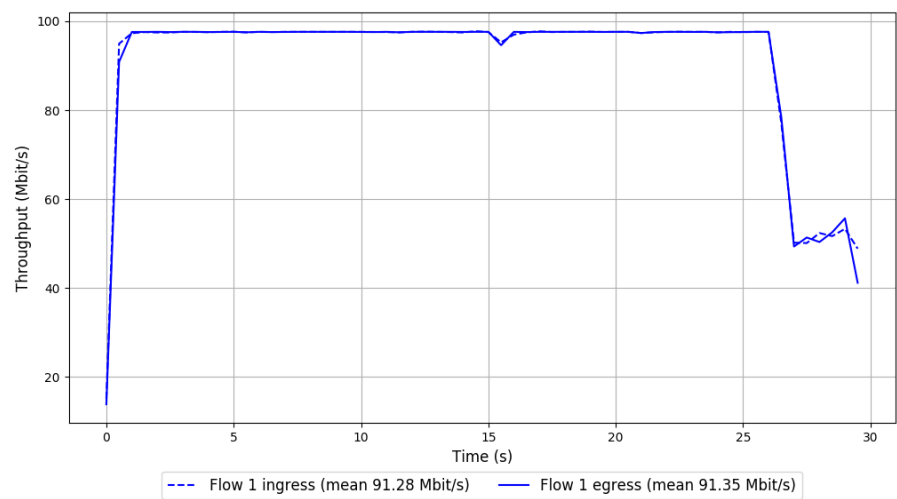
-- Flow 1:

Average throughput: 91.35 Mbit/s

95th percentile per-packet one-way delay: 26.423 ms

Loss rate: 0.17%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2017-09-17 11:20:24

End at: 2017-09-17 11:20:55

Local clock offset: -2.659 ms

Remote clock offset: 0.663 ms

Below is generated by plot.py at 2017-09-17 16:22:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.03 Mbit/s

95th percentile per-packet one-way delay: 26.336 ms

Loss rate: 0.25%

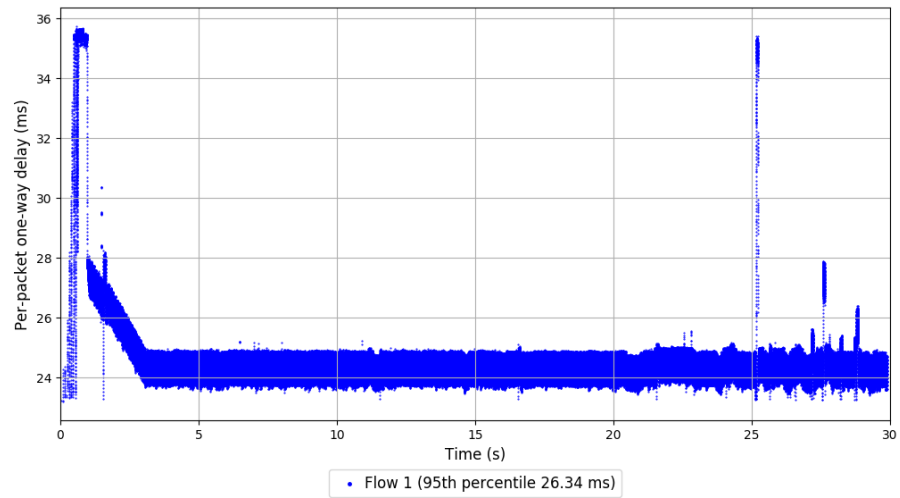
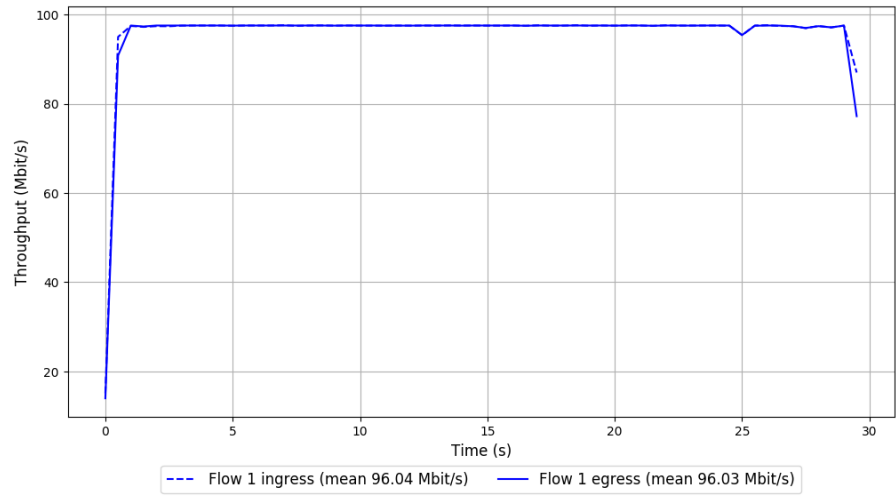
-- Flow 1:

Average throughput: 96.03 Mbit/s

95th percentile per-packet one-way delay: 26.336 ms

Loss rate: 0.25%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-09-17 11:40:43

End at: 2017-09-17 11:41:13

Local clock offset: -1.735 ms

Remote clock offset: 0.608 ms

Below is generated by plot.py at 2017-09-17 16:22:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 24.970 ms

Loss rate: 0.25%

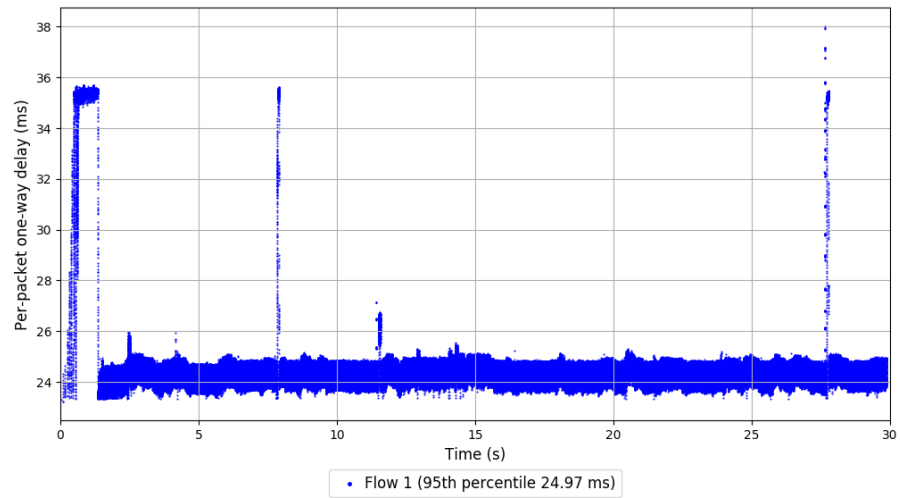
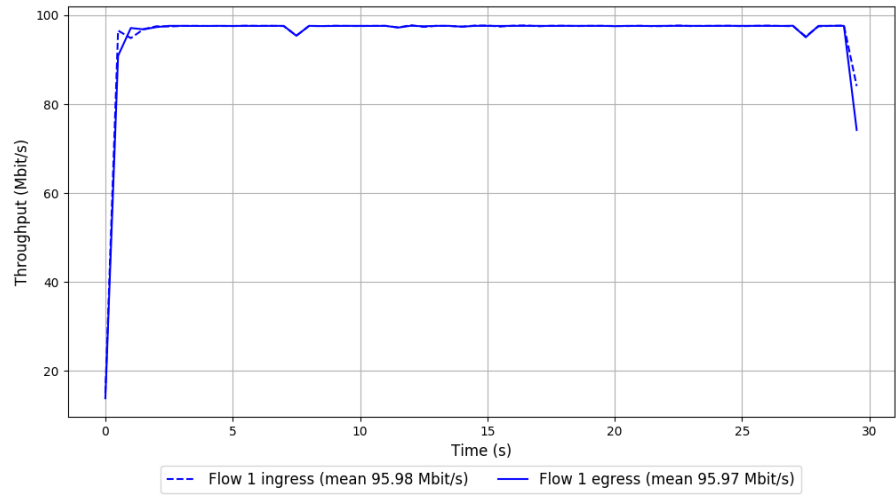
-- Flow 1:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 24.970 ms

Loss rate: 0.25%

Run 8: Report of TCP Vegas — Data Link

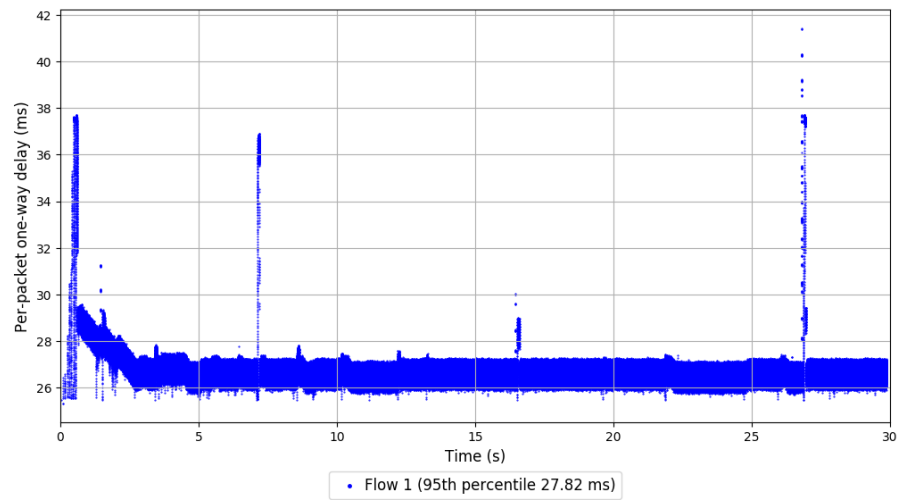
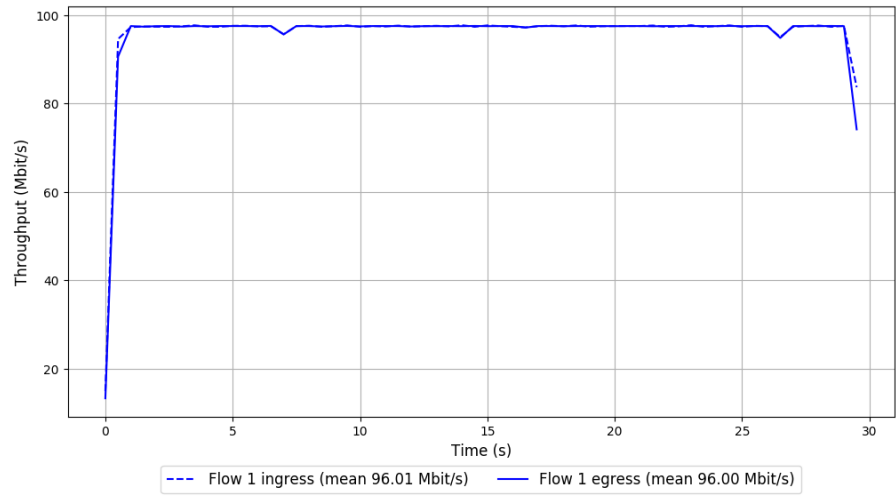


Run 9: Statistics of TCP Vegas

Start at: 2017-09-17 12:00:48
End at: 2017-09-17 12:01:18
Local clock offset: -1.444 ms
Remote clock offset: -1.748 ms

Below is generated by plot.py at 2017-09-17 16:22:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 27.815 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 27.815 ms
Loss rate: 0.26%

Run 9: Report of TCP Vegas — Data Link

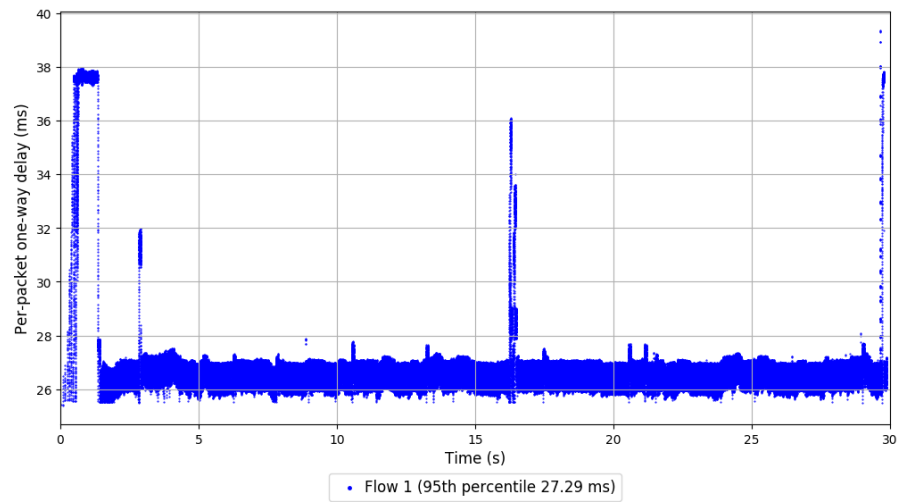
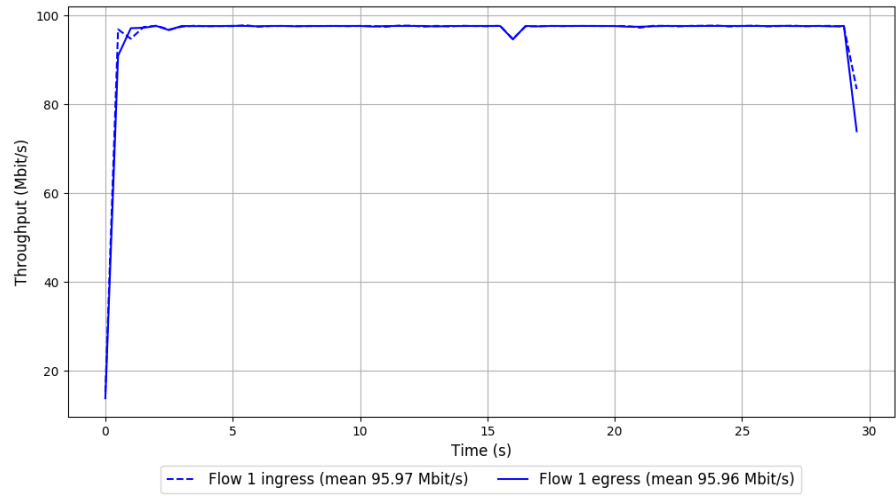


Run 10: Statistics of TCP Vegas

Start at: 2017-09-17 12:20:47
End at: 2017-09-17 12:21:17
Local clock offset: -1.275 ms
Remote clock offset: -1.846 ms

Below is generated by plot.py at 2017-09-17 16:22:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 27.286 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 27.286 ms
Loss rate: 0.25%

Run 10: Report of TCP Vegas — Data Link

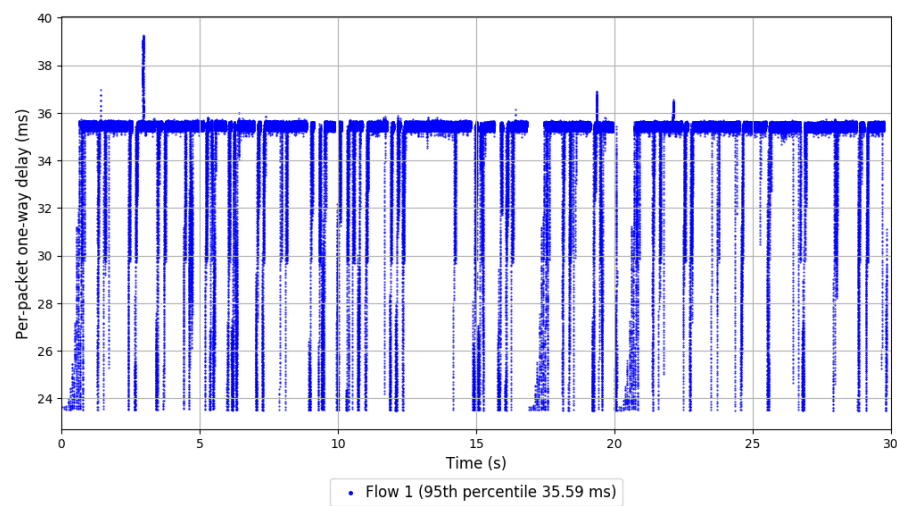
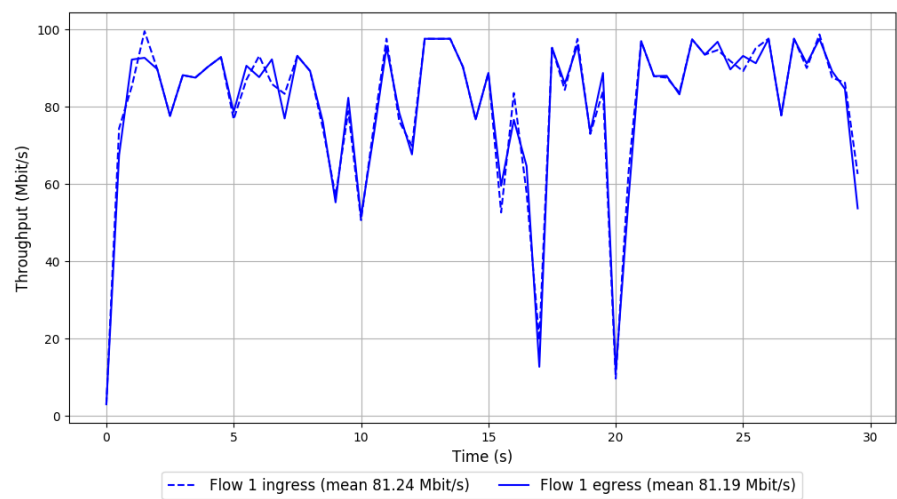


Run 1: Statistics of Verus

Start at: 2017-09-17 09:18:42
End at: 2017-09-17 09:19:12
Local clock offset: -3.015 ms
Remote clock offset: -1.102 ms

Below is generated by plot.py at 2017-09-17 16:22:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.19 Mbit/s
95th percentile per-packet one-way delay: 35.589 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 81.19 Mbit/s
95th percentile per-packet one-way delay: 35.589 ms
Loss rate: 0.33%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2017-09-17 09:38:41

End at: 2017-09-17 09:39:11

Local clock offset: -1.949 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2017-09-17 16:22:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.18 Mbit/s

95th percentile per-packet one-way delay: 35.137 ms

Loss rate: 0.31%

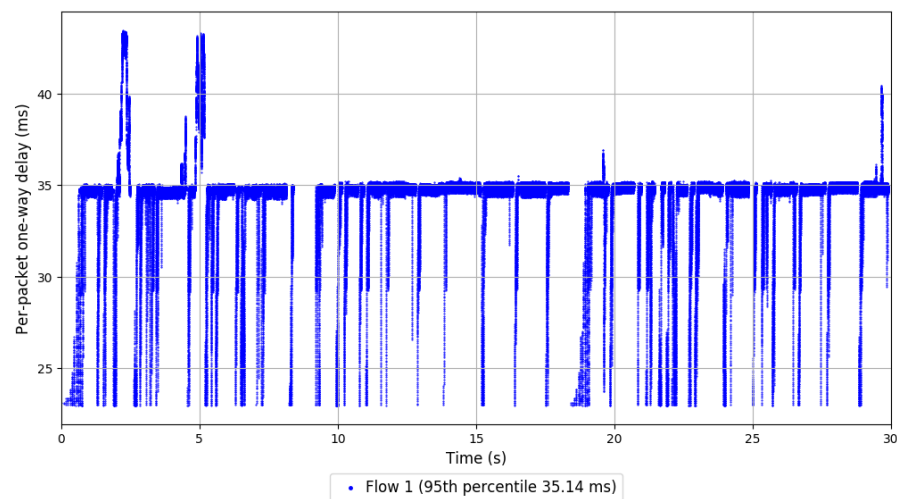
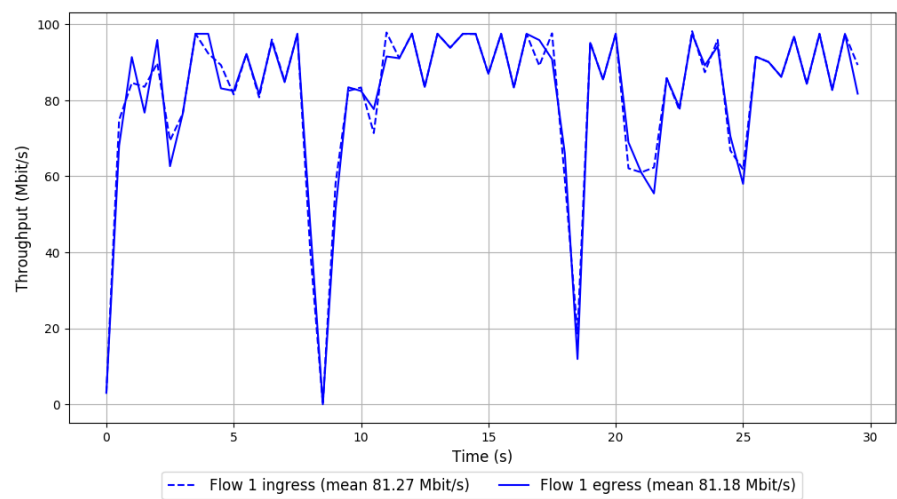
-- Flow 1:

Average throughput: 81.18 Mbit/s

95th percentile per-packet one-way delay: 35.137 ms

Loss rate: 0.31%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-09-17 09:58:45

End at: 2017-09-17 09:59:15

Local clock offset: -2.742 ms

Remote clock offset: 0.311 ms

Below is generated by plot.py at 2017-09-17 16:22:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.72 Mbit/s

95th percentile per-packet one-way delay: 35.265 ms

Loss rate: 0.33%

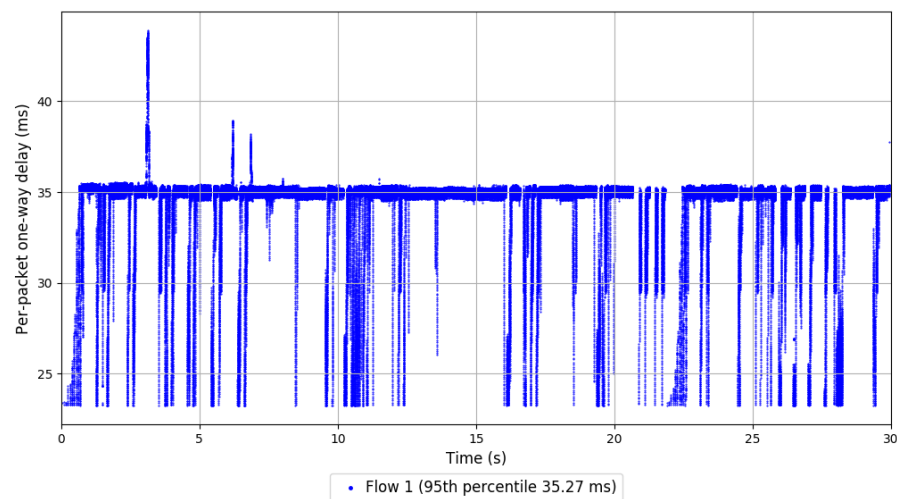
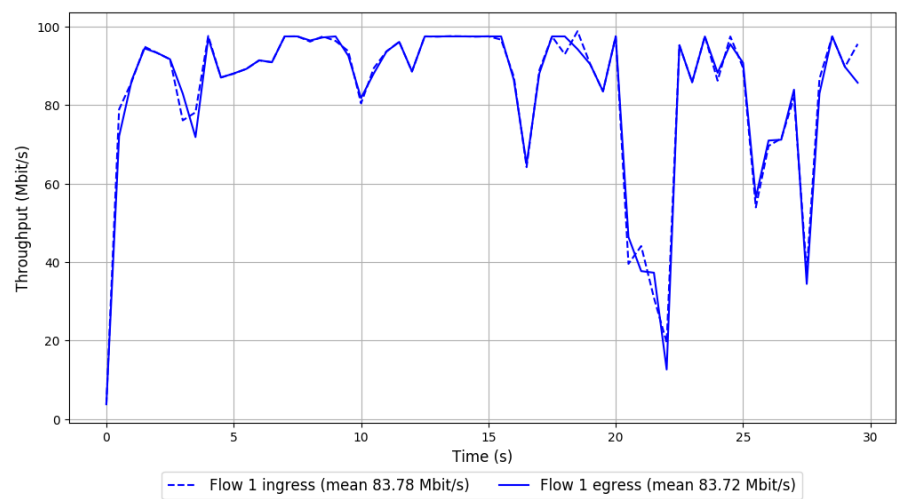
-- Flow 1:

Average throughput: 83.72 Mbit/s

95th percentile per-packet one-way delay: 35.265 ms

Loss rate: 0.33%

Run 3: Report of Verus — Data Link

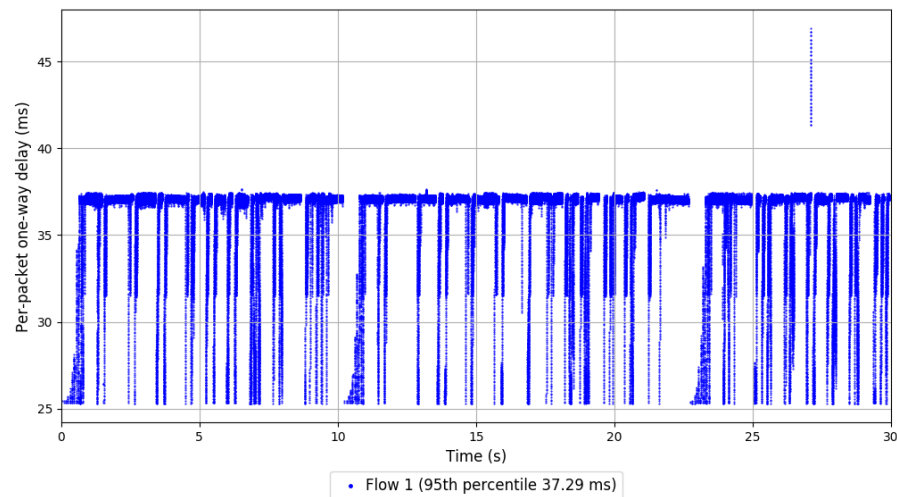
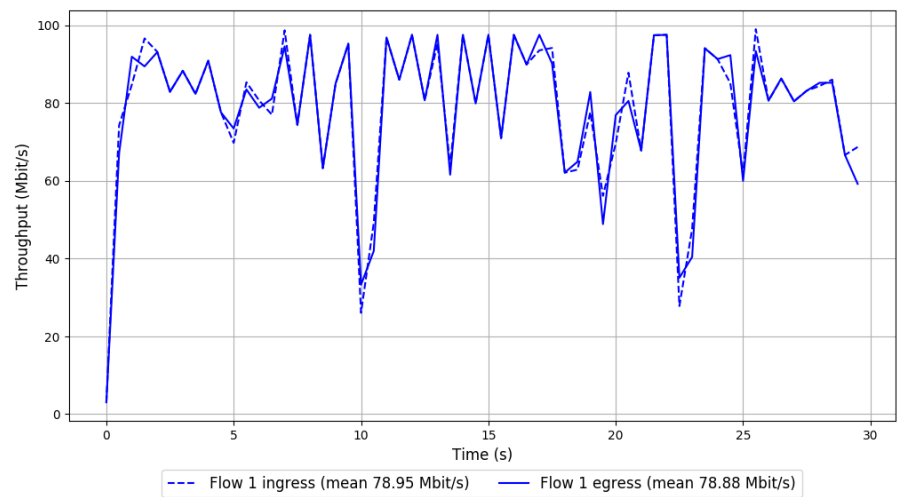


Run 4: Statistics of Verus

Start at: 2017-09-17 10:18:49
End at: 2017-09-17 10:19:19
Local clock offset: -2.551 ms
Remote clock offset: -1.477 ms

Below is generated by plot.py at 2017-09-17 16:22:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.88 Mbit/s
95th percentile per-packet one-way delay: 37.289 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 78.88 Mbit/s
95th percentile per-packet one-way delay: 37.289 ms
Loss rate: 0.35%

Run 4: Report of Verus — Data Link

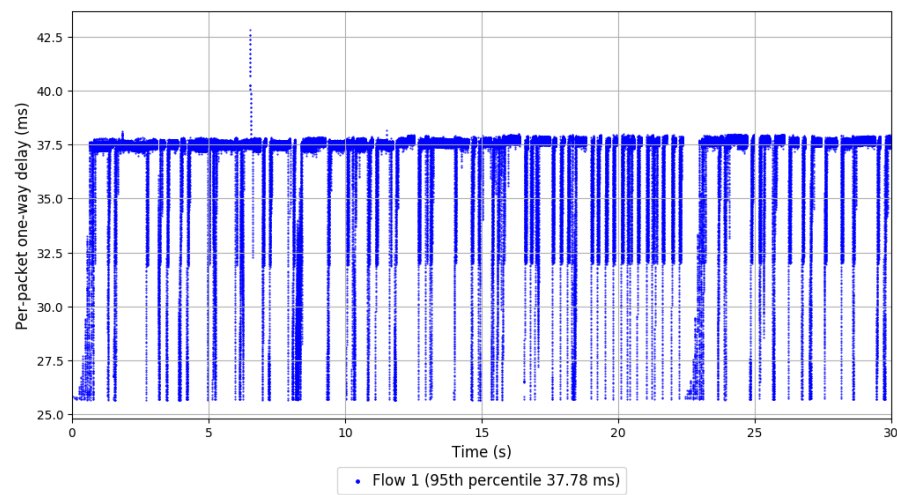
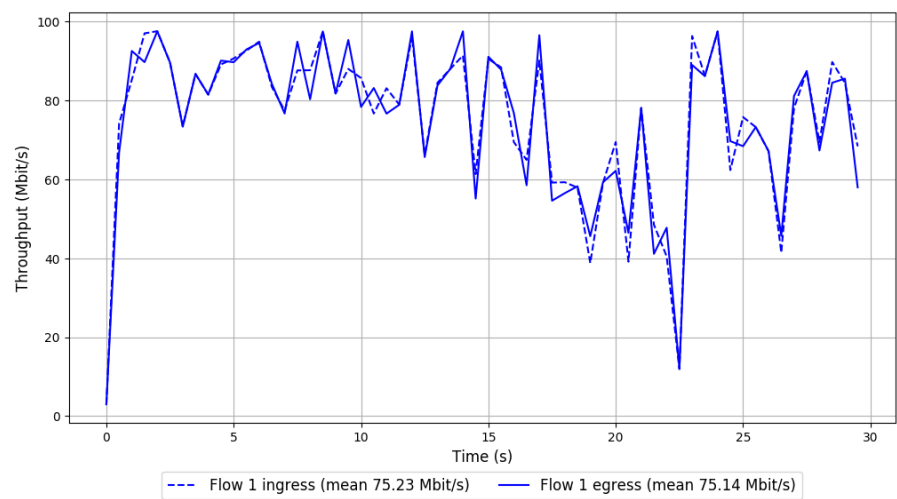


Run 5: Statistics of Verus

Start at: 2017-09-17 10:38:52
End at: 2017-09-17 10:39:22
Local clock offset: -2.994 ms
Remote clock offset: -1.535 ms

Below is generated by plot.py at 2017-09-17 16:23:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.14 Mbit/s
95th percentile per-packet one-way delay: 37.782 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 75.14 Mbit/s
95th percentile per-packet one-way delay: 37.782 ms
Loss rate: 0.37%

Run 5: Report of Verus — Data Link

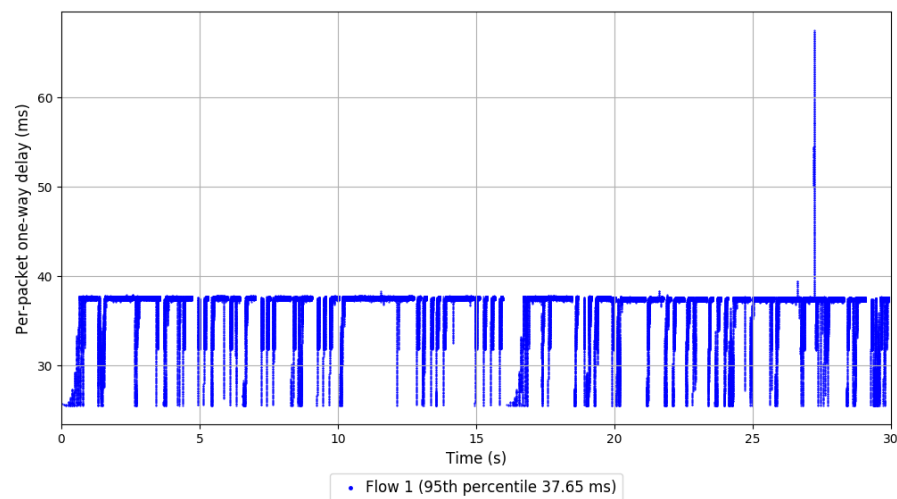
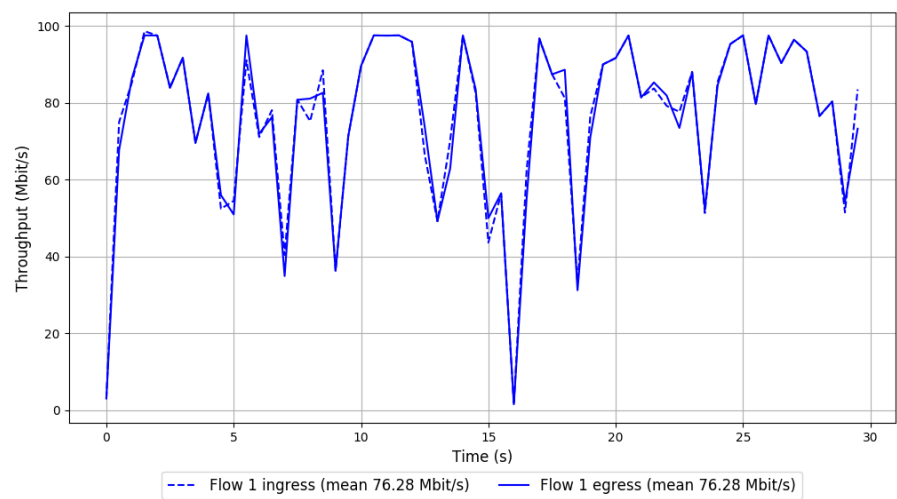


Run 6: Statistics of Verus

Start at: 2017-09-17 10:58:57
End at: 2017-09-17 10:59:27
Local clock offset: -2.31 ms
Remote clock offset: -1.331 ms

Below is generated by plot.py at 2017-09-17 16:23:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.28 Mbit/s
95th percentile per-packet one-way delay: 37.650 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 76.28 Mbit/s
95th percentile per-packet one-way delay: 37.650 ms
Loss rate: 0.32%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2017-09-17 11:19:03

End at: 2017-09-17 11:19:33

Local clock offset: -2.787 ms

Remote clock offset: 1.131 ms

Below is generated by plot.py at 2017-09-17 16:23:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.71 Mbit/s

95th percentile per-packet one-way delay: 34.925 ms

Loss rate: 0.36%

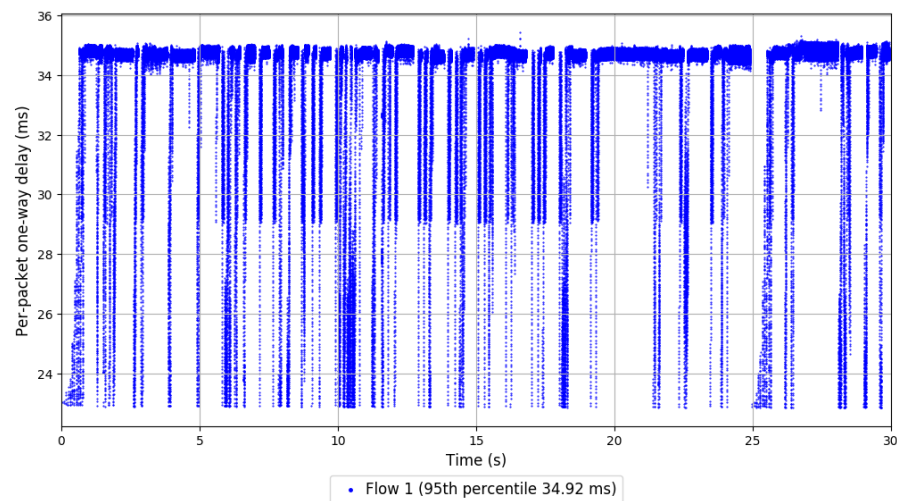
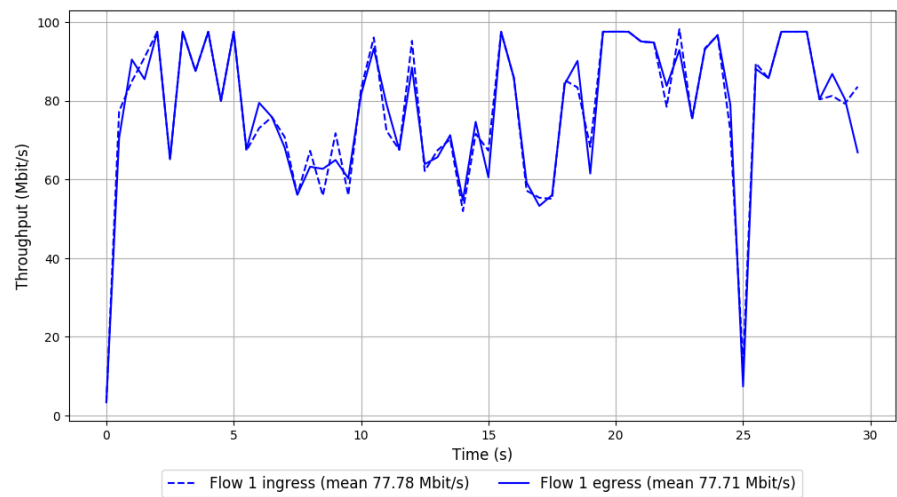
-- Flow 1:

Average throughput: 77.71 Mbit/s

95th percentile per-packet one-way delay: 34.925 ms

Loss rate: 0.36%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2017-09-17 11:39:21

End at: 2017-09-17 11:39:51

Local clock offset: -1.767 ms

Remote clock offset: 0.701 ms

Below is generated by plot.py at 2017-09-17 16:23:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.97 Mbit/s

95th percentile per-packet one-way delay: 35.410 ms

Loss rate: 0.38%

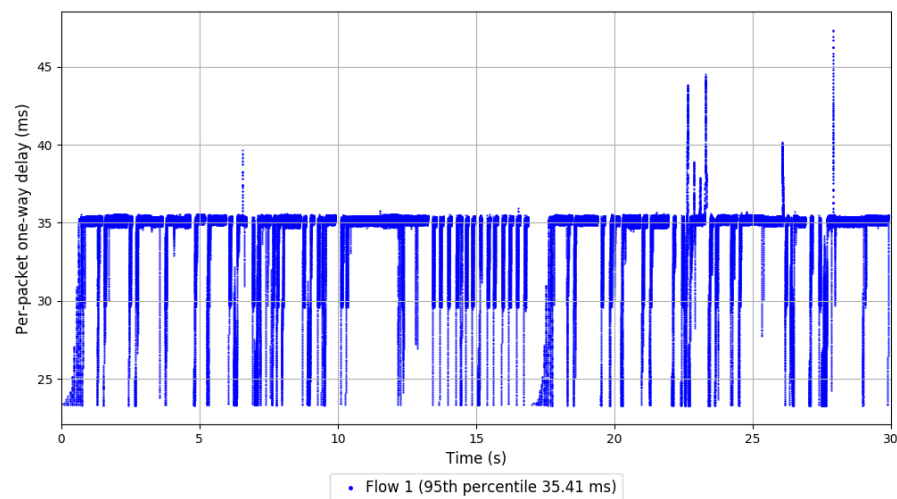
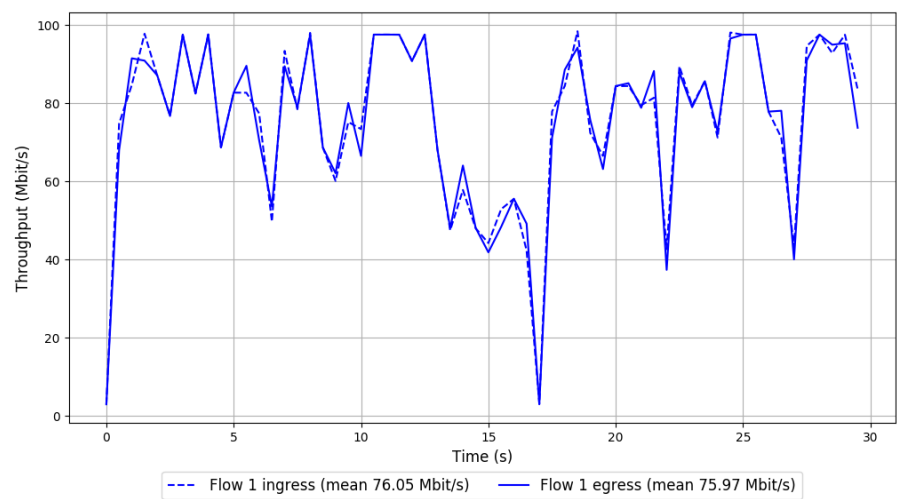
-- Flow 1:

Average throughput: 75.97 Mbit/s

95th percentile per-packet one-way delay: 35.410 ms

Loss rate: 0.38%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-09-17 11:59:26

End at: 2017-09-17 11:59:56

Local clock offset: -1.483 ms

Remote clock offset: -1.59 ms

Below is generated by plot.py at 2017-09-17 16:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.03 Mbit/s

95th percentile per-packet one-way delay: 37.342 ms

Loss rate: 0.26%

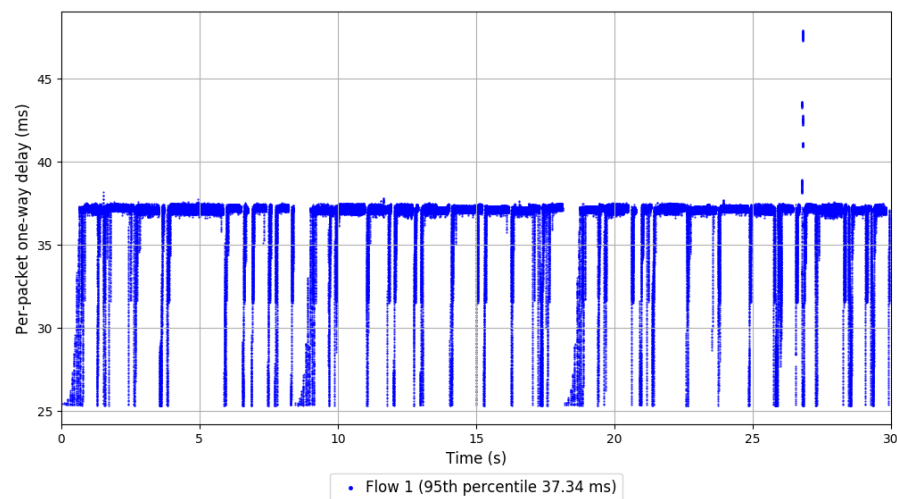
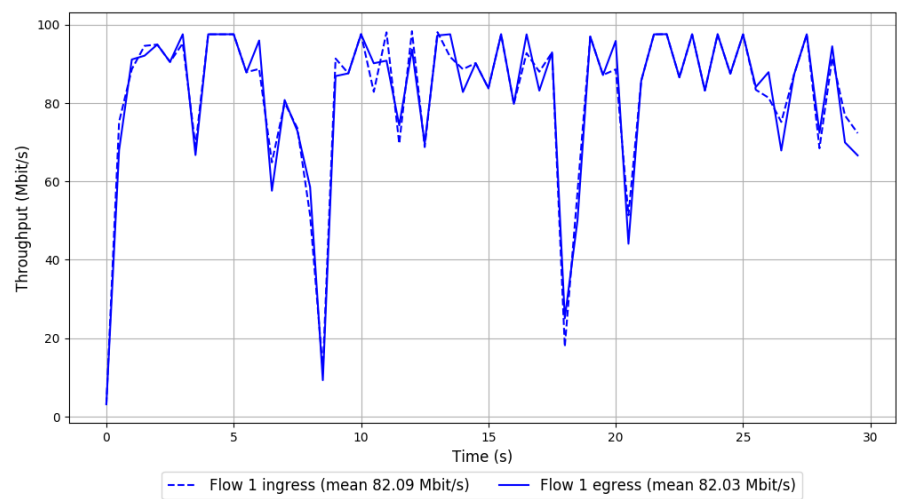
-- Flow 1:

Average throughput: 82.03 Mbit/s

95th percentile per-packet one-way delay: 37.342 ms

Loss rate: 0.26%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-09-17 12:19:24

End at: 2017-09-17 12:19:54

Local clock offset: -1.308 ms

Remote clock offset: 0.303 ms

Below is generated by plot.py at 2017-09-17 16:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.47 Mbit/s

95th percentile per-packet one-way delay: 35.561 ms

Loss rate: 0.34%

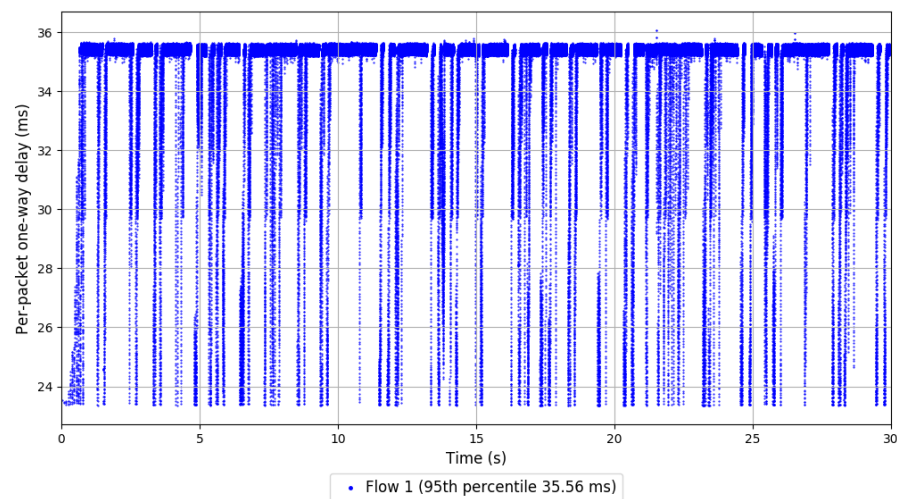
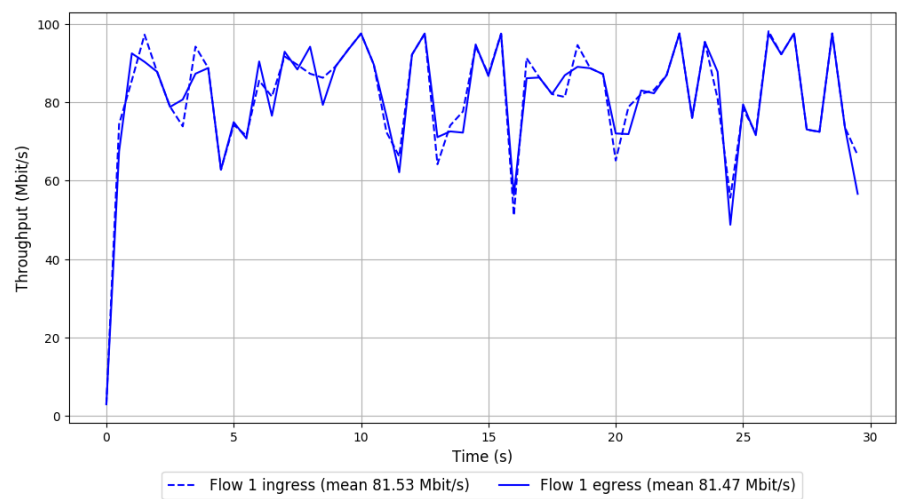
-- Flow 1:

Average throughput: 81.47 Mbit/s

95th percentile per-packet one-way delay: 35.561 ms

Loss rate: 0.34%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

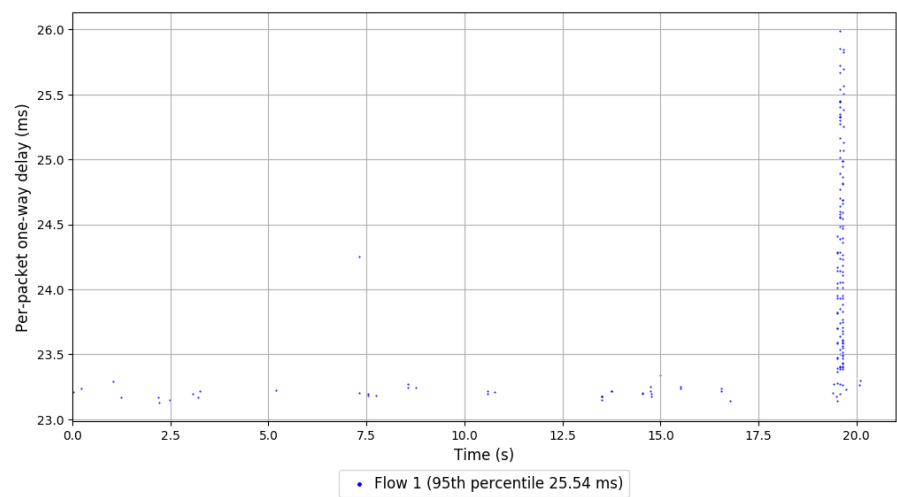
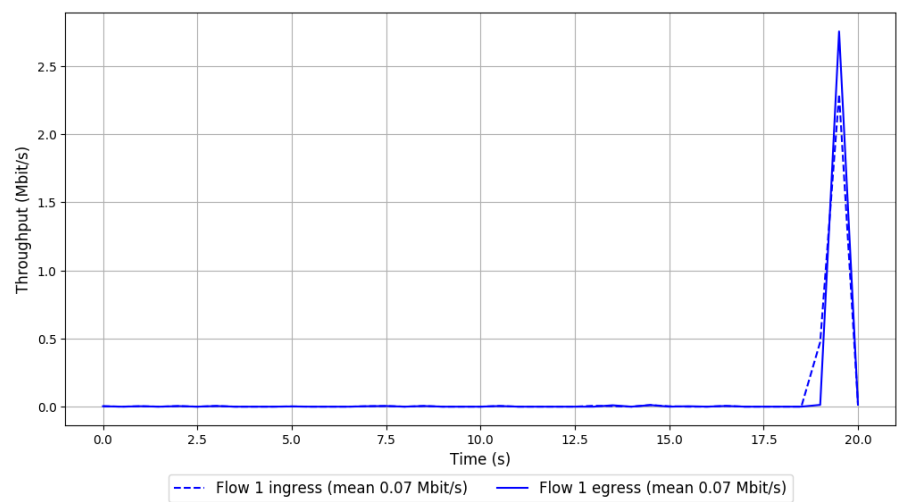
Start at: 2017-09-17 09:25:27

End at: 2017-09-17 09:25:57

Local clock offset: -2.866 ms

Remote clock offset: -0.771 ms

Run 1: Report of WebRTC media — Data Link

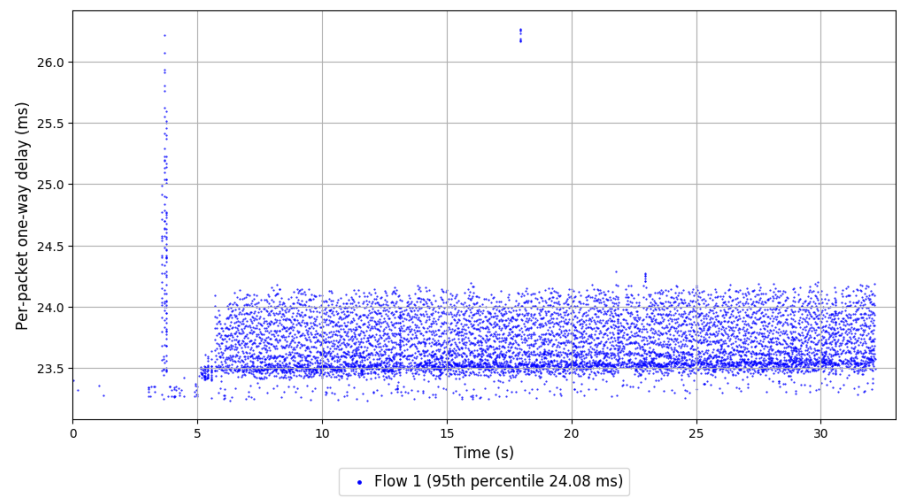
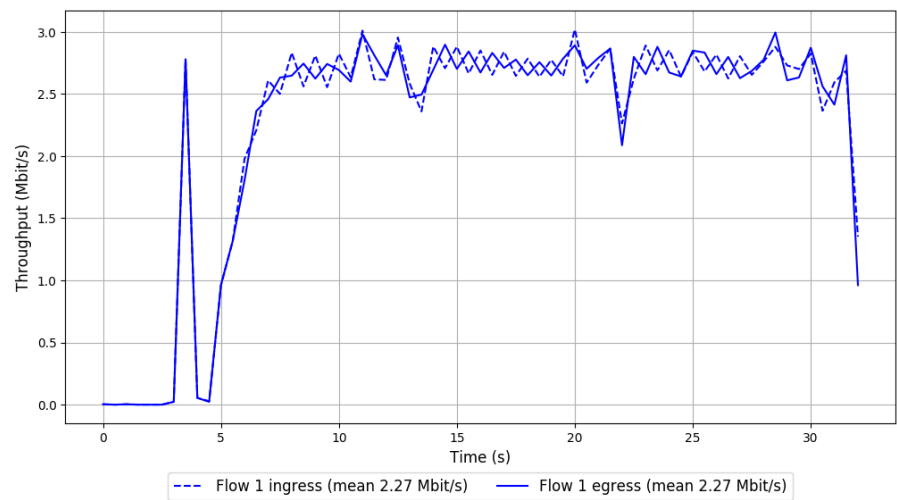


Run 2: Statistics of WebRTC media

Start at: 2017-09-17 09:45:28
End at: 2017-09-17 09:45:58
Local clock offset: -2.245 ms
Remote clock offset: -0.211 ms

Below is generated by plot.py at 2017-09-17 16:23:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 24.081 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 24.081 ms
Loss rate: 0.30%

Run 2: Report of WebRTC media — Data Link

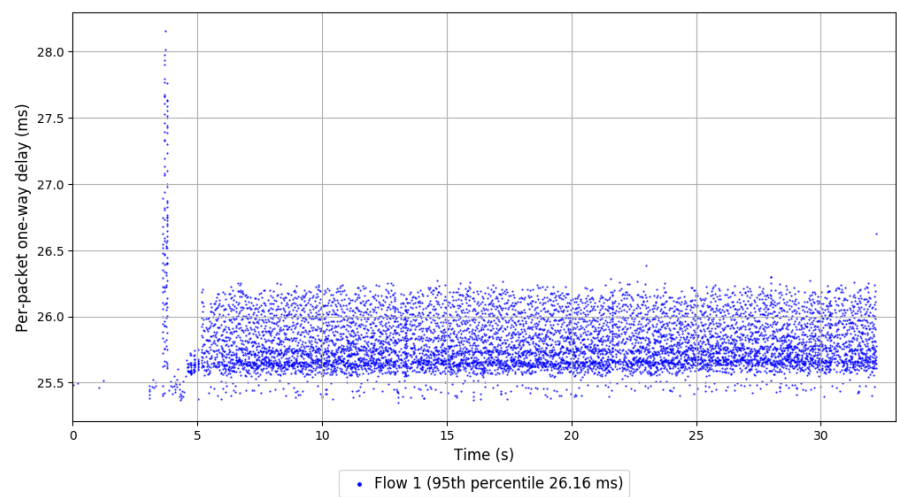
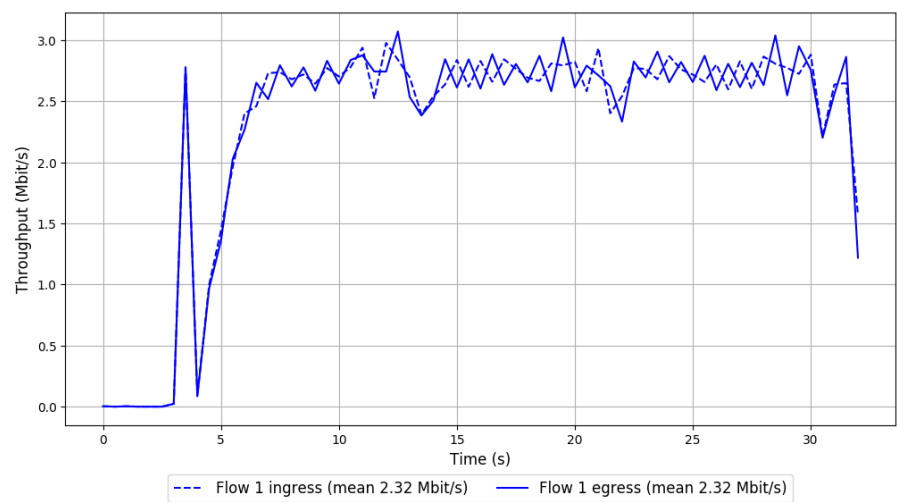


Run 3: Statistics of WebRTC media

Start at: 2017-09-17 10:05:31
End at: 2017-09-17 10:06:01
Local clock offset: -2.581 ms
Remote clock offset: -1.706 ms

Below is generated by plot.py at 2017-09-17 16:23:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 26.158 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 26.158 ms
Loss rate: 0.23%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2017-09-17 10:25:35

End at: 2017-09-17 10:26:05

Local clock offset: -2.464 ms

Remote clock offset: 1.12 ms

Below is generated by plot.py at 2017-09-17 16:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 23.534 ms

Loss rate: 0.30%

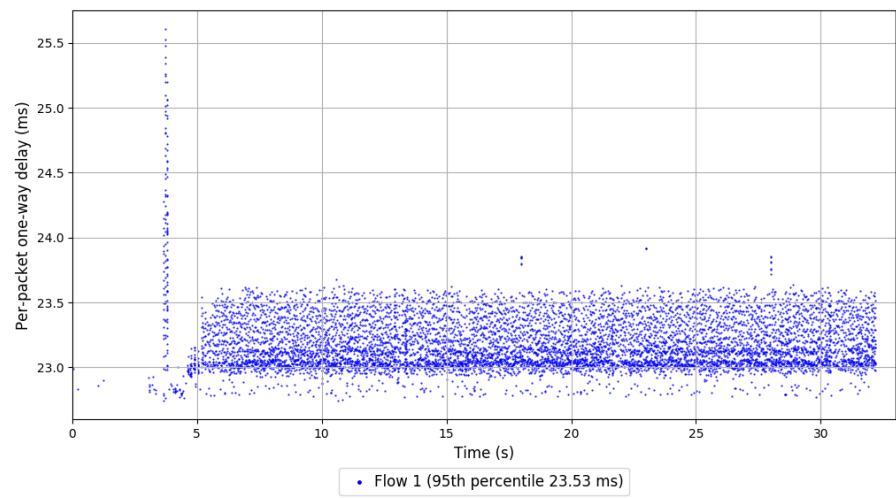
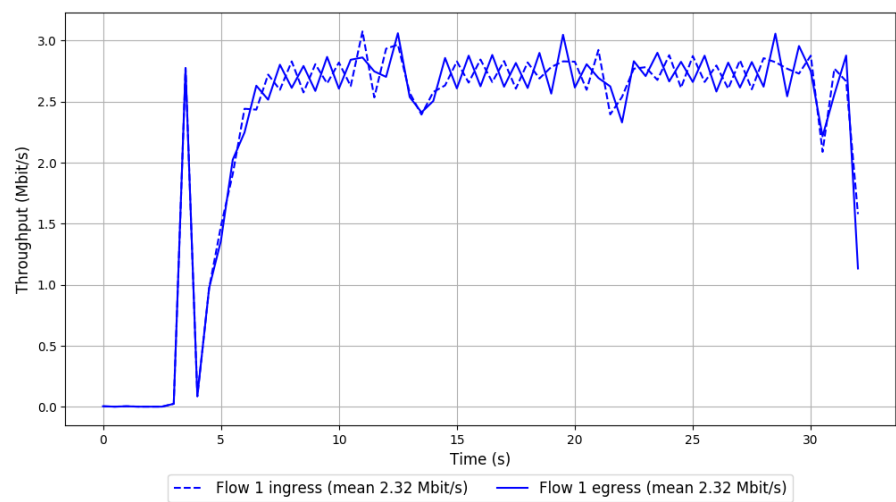
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 23.534 ms

Loss rate: 0.30%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-09-17 10:45:37

End at: 2017-09-17 10:46:07

Local clock offset: -2.86 ms

Remote clock offset: 0.68 ms

Below is generated by plot.py at 2017-09-17 16:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 23.846 ms

Loss rate: 0.30%

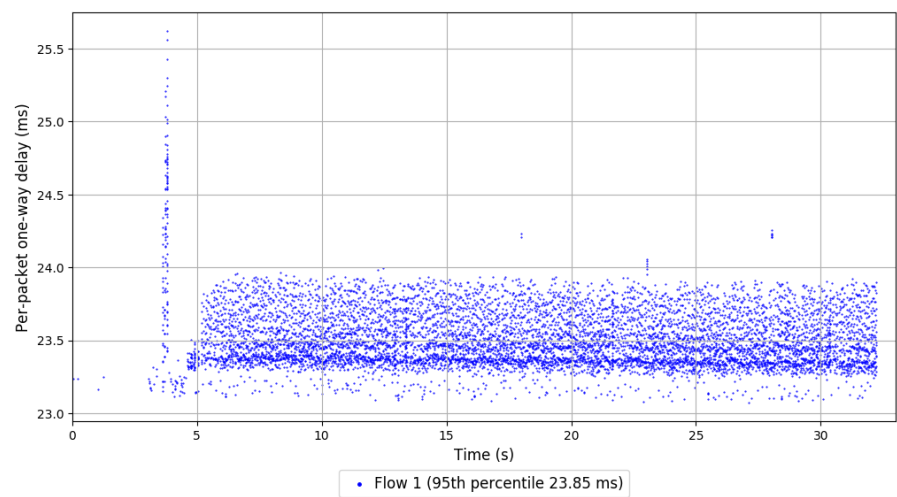
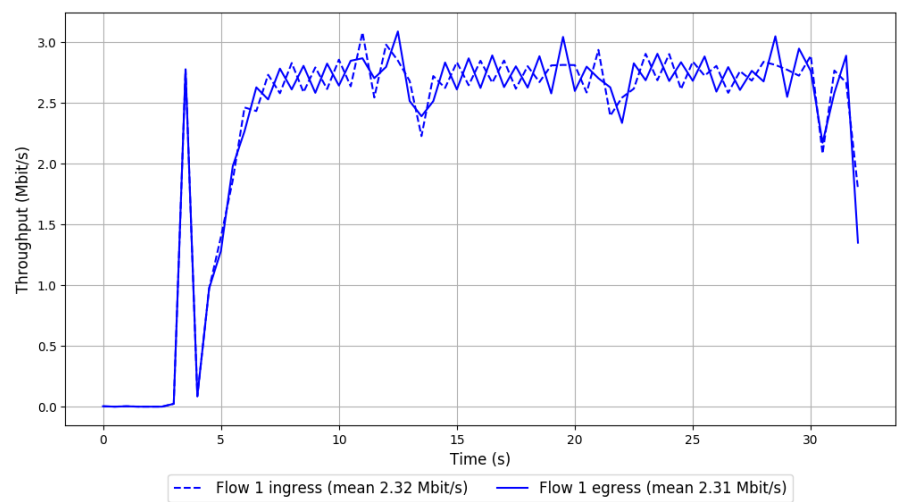
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 23.846 ms

Loss rate: 0.30%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-09-17 11:05:43

End at: 2017-09-17 11:06:13

Local clock offset: -2.41 ms

Remote clock offset: 0.641 ms

Below is generated by plot.py at 2017-09-17 16:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 24.016 ms

Loss rate: 0.30%

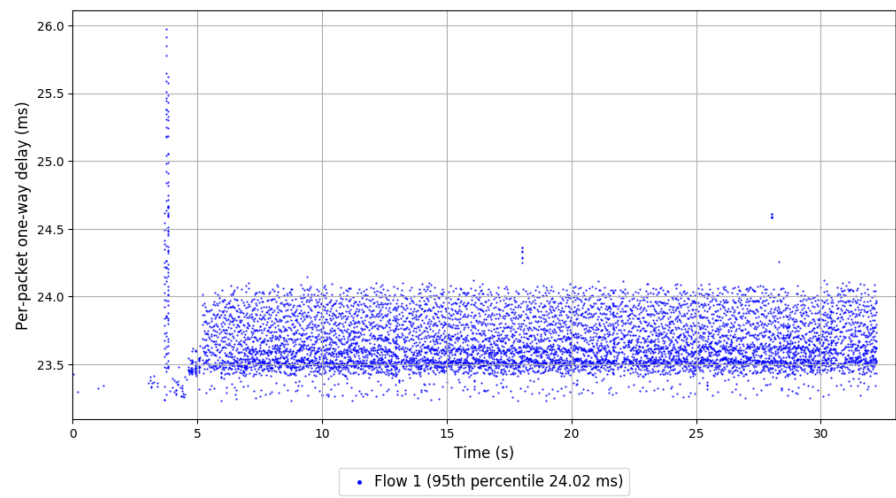
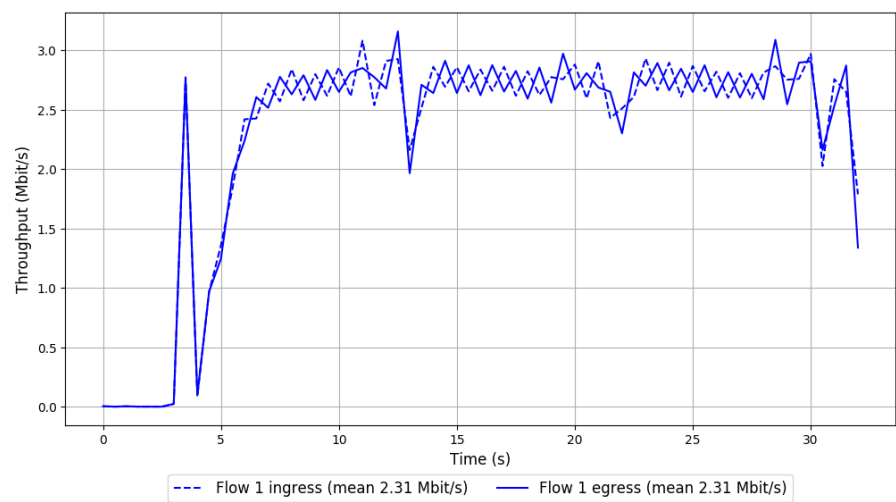
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 24.016 ms

Loss rate: 0.30%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2017-09-17 11:25:50

End at: 2017-09-17 11:26:20

Local clock offset: -2.232 ms

Remote clock offset: 0.783 ms

Below is generated by plot.py at 2017-09-17 16:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 23.713 ms

Loss rate: 0.30%

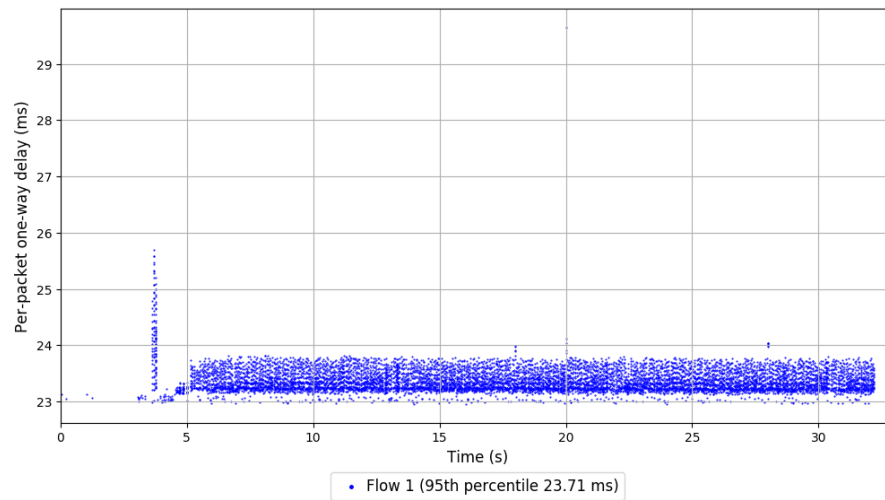
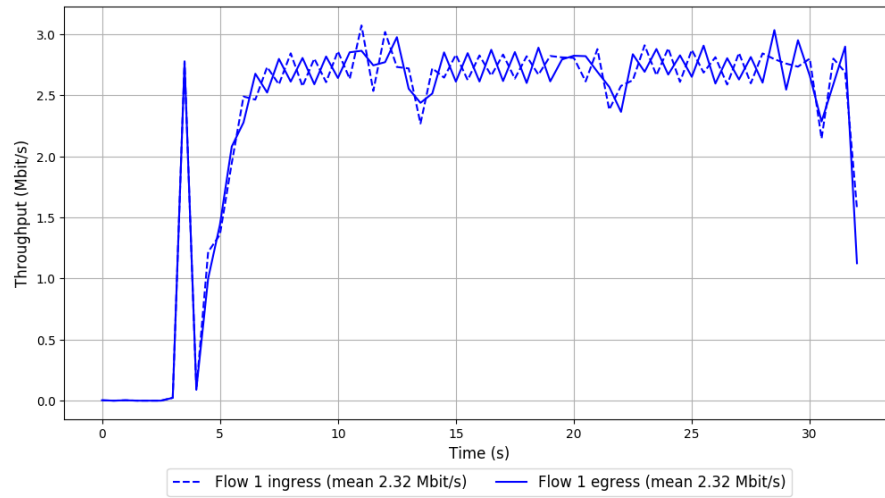
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 23.713 ms

Loss rate: 0.30%

Run 7: Report of WebRTC media — Data Link

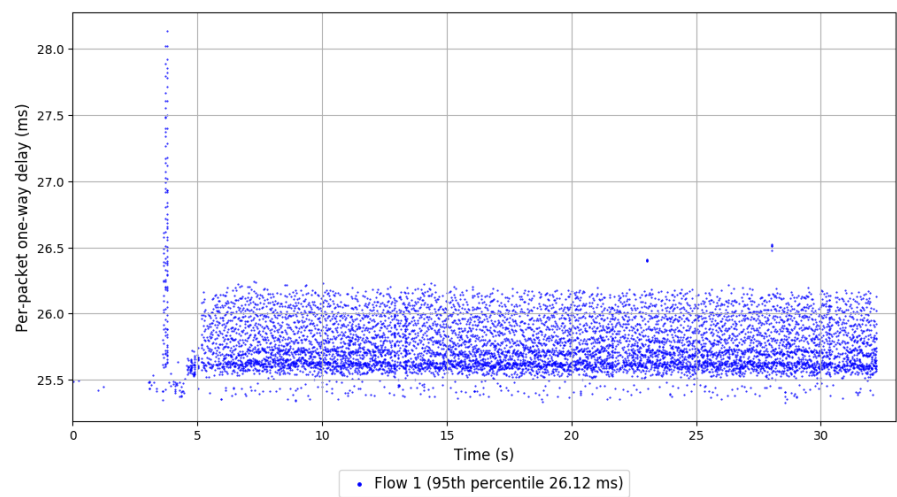
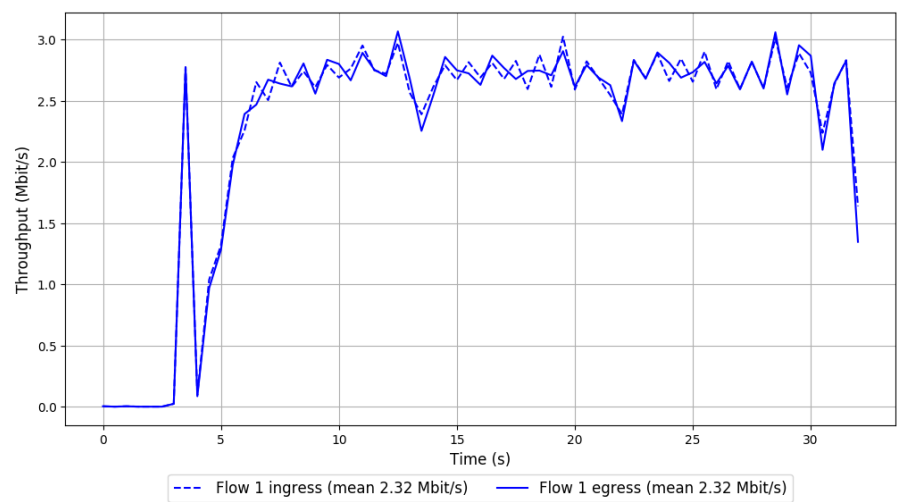


Run 8: Statistics of WebRTC media

Start at: 2017-09-17 11:46:08
End at: 2017-09-17 11:46:38
Local clock offset: -1.502 ms
Remote clock offset: -1.484 ms

Below is generated by plot.py at 2017-09-17 16:23:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 26.121 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 26.121 ms
Loss rate: 0.30%

Run 8: Report of WebRTC media — Data Link

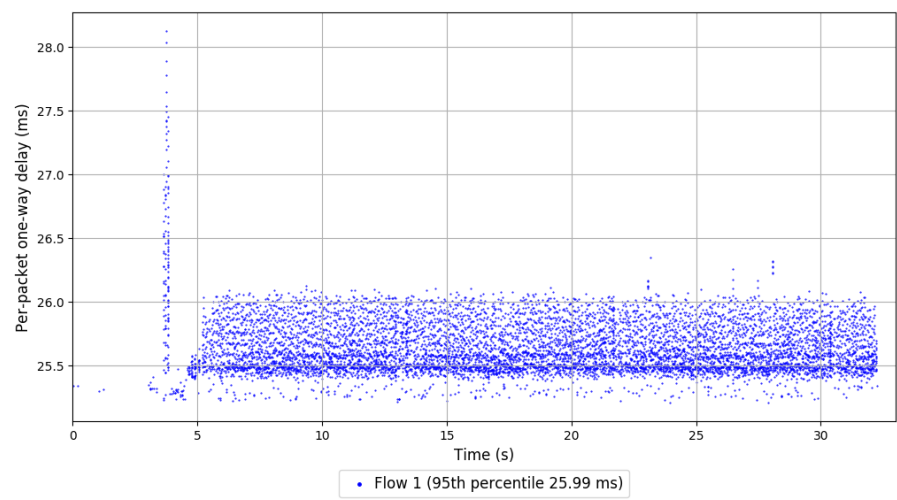
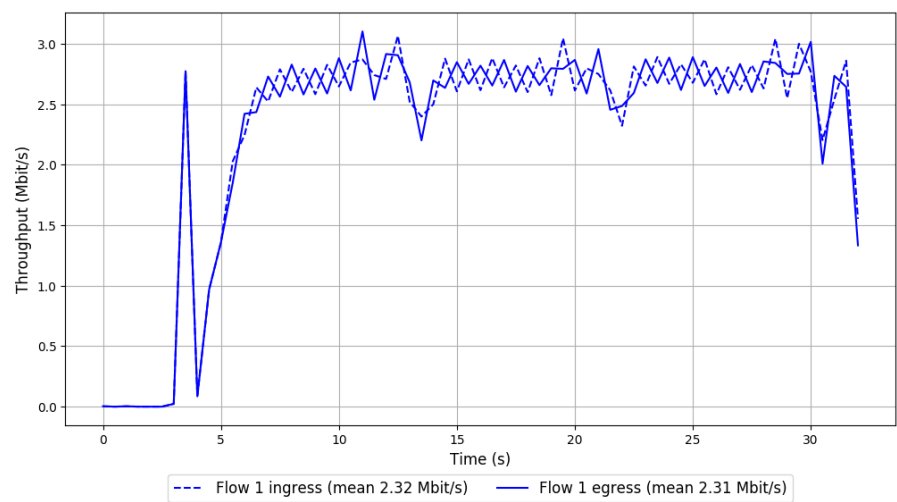


Run 9: Statistics of WebRTC media

Start at: 2017-09-17 12:06:11
End at: 2017-09-17 12:06:41
Local clock offset: -1.376 ms
Remote clock offset: -1.616 ms

Below is generated by plot.py at 2017-09-17 16:23:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 25.989 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 25.989 ms
Loss rate: 0.29%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-09-17 12:26:12

End at: 2017-09-17 12:26:42

Local clock offset: -1.235 ms

Remote clock offset: -1.844 ms

Below is generated by plot.py at 2017-09-17 16:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 25.988 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 25.988 ms

Loss rate: 0.30%

Run 10: Report of WebRTC media — Data Link

