

Pantheon Report

Generated at 2017-08-22 01:06:49 (UTC).

Data path: China Ethernet (*remote*) → AWS Korea 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).

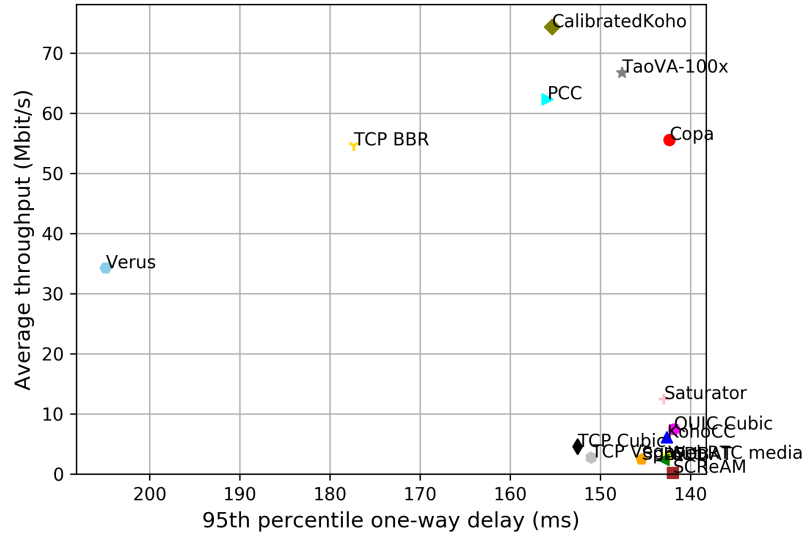
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

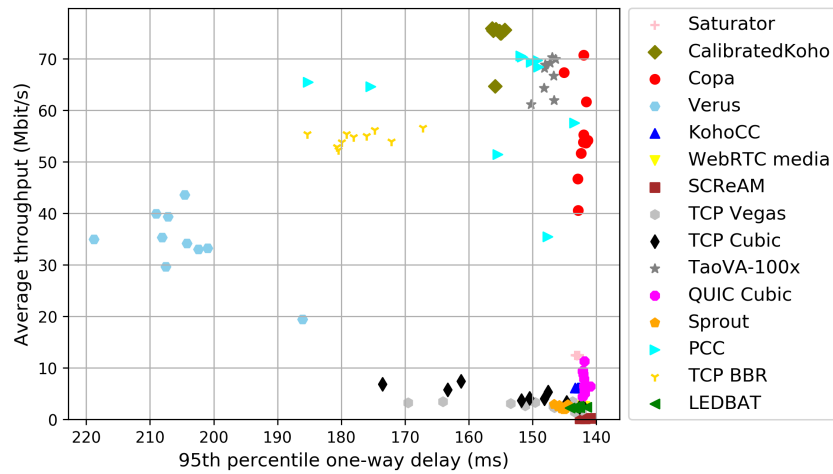
Git summary:

```
branch: master @ e43be7582298d552838afcf6382342bf187fbbd6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ 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 China Ethernet to AWS Korea Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from China Ethernet to AWS Korea 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	54.66	177.37	1.70
CalibratedKoho	10	74.34	155.37	1.04
Copa	10	55.57	142.35	0.81
TCP Cubic	10	4.56	152.53	0.68
KohoCC	10	6.13	142.62	0.81
LEDBAT	9	2.38	143.00	0.89
PCC	10	62.32	155.90	1.22
QUIC Cubic	10	7.48	141.86	0.54
Saturator	10	12.45	142.97	0.84
SCReAM	10	0.20	141.99	0.69
Sprout	8	2.45	145.44	0.89
TaoVA-100x	9	66.75	147.61	1.00
TCP Vegas	10	2.75	151.03	0.59
Verus	10	34.28	204.89	44.36
WebRTC media	10	2.60	142.51	0.89

Run 1: Statistics of TCP BBR

Start at: 2017-08-21 17:55:25

End at: 2017-08-21 17:55:55

Local clock offset: 1.459 ms

Remote clock offset: -0.098 ms

Below is generated by plot.py at 2017-08-22 01:00:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.02 Mbit/s

95th percentile per-packet one-way delay: 176.008 ms

Loss rate: 1.61%

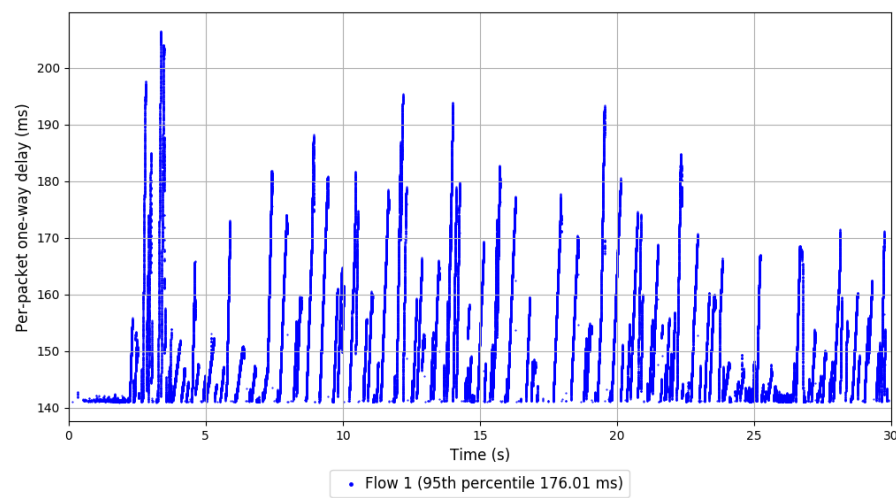
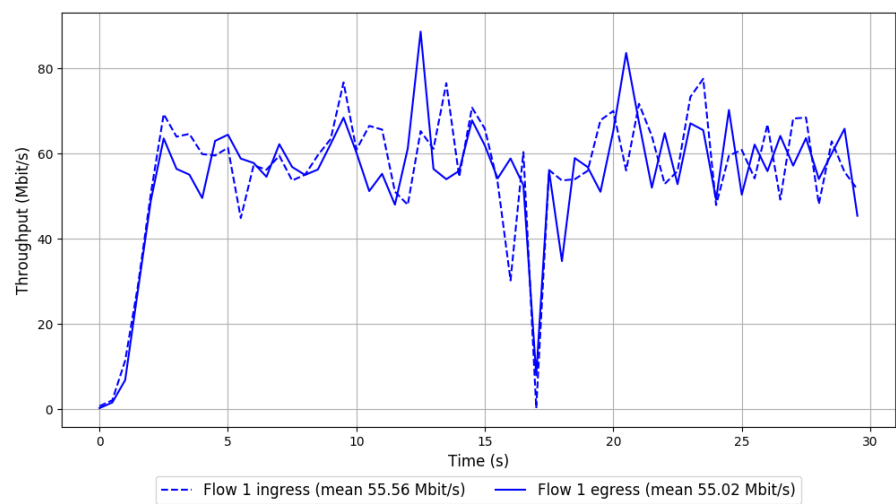
-- Flow 1:

Average throughput: 55.02 Mbit/s

95th percentile per-packet one-way delay: 176.008 ms

Loss rate: 1.61%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-08-21 18:16:58

End at: 2017-08-21 18:17:28

Local clock offset: 0.643 ms

Remote clock offset: 0.13 ms

Below is generated by plot.py at 2017-08-22 01:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.87 Mbit/s

95th percentile per-packet one-way delay: 178.070 ms

Loss rate: 1.36%

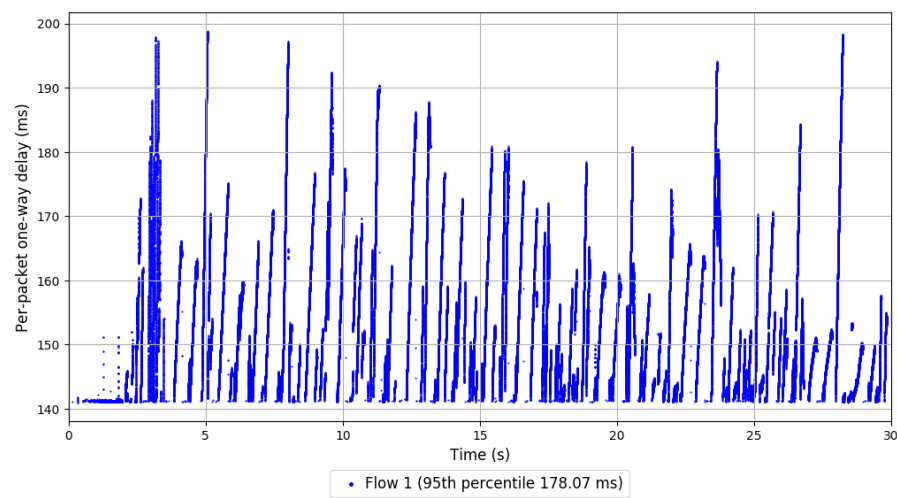
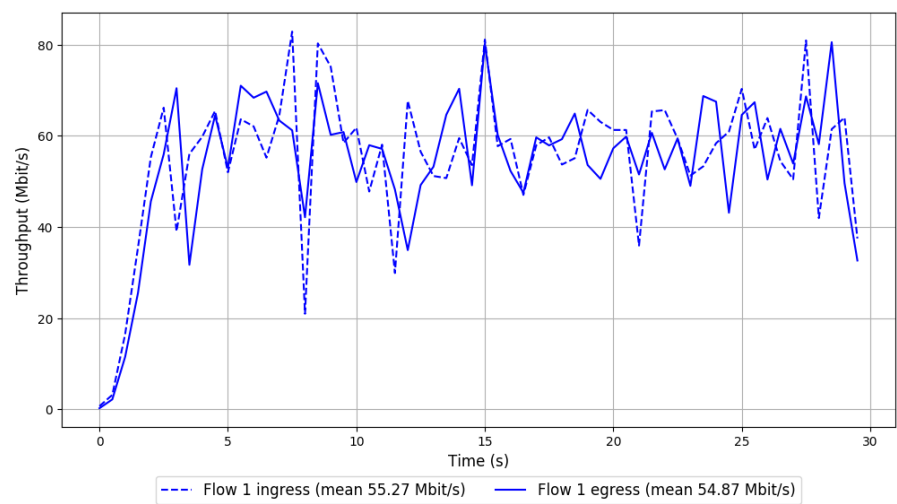
-- Flow 1:

Average throughput: 54.87 Mbit/s

95th percentile per-packet one-way delay: 178.070 ms

Loss rate: 1.36%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-08-21 18:38:20

End at: 2017-08-21 18:38:50

Local clock offset: 1.435 ms

Remote clock offset: 0.339 ms

Below is generated by plot.py at 2017-08-22 01:00:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.80 Mbit/s

95th percentile per-packet one-way delay: 179.907 ms

Loss rate: 1.57%

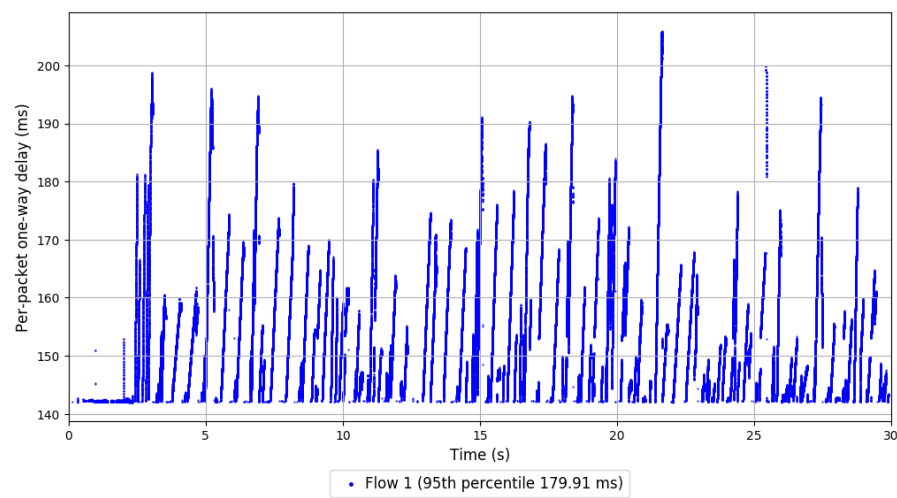
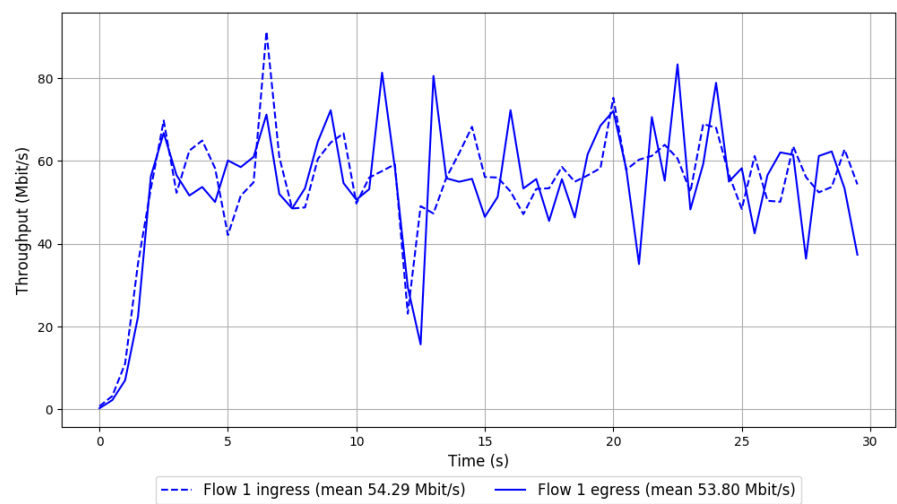
-- Flow 1:

Average throughput: 53.80 Mbit/s

95th percentile per-packet one-way delay: 179.907 ms

Loss rate: 1.57%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-08-21 18:59:24

End at: 2017-08-21 18:59:54

Local clock offset: 0.078 ms

Remote clock offset: 0.448 ms

Below is generated by plot.py at 2017-08-22 01:00:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.63 Mbit/s

95th percentile per-packet one-way delay: 167.185 ms

Loss rate: 0.84%

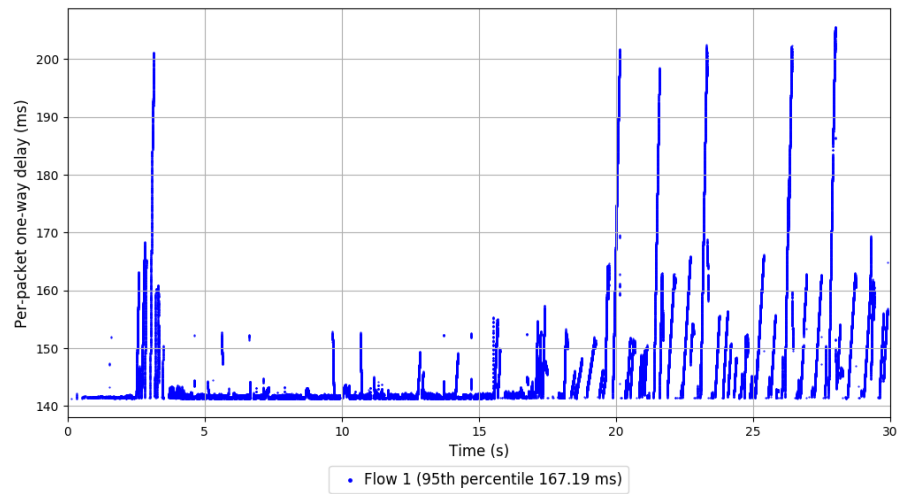
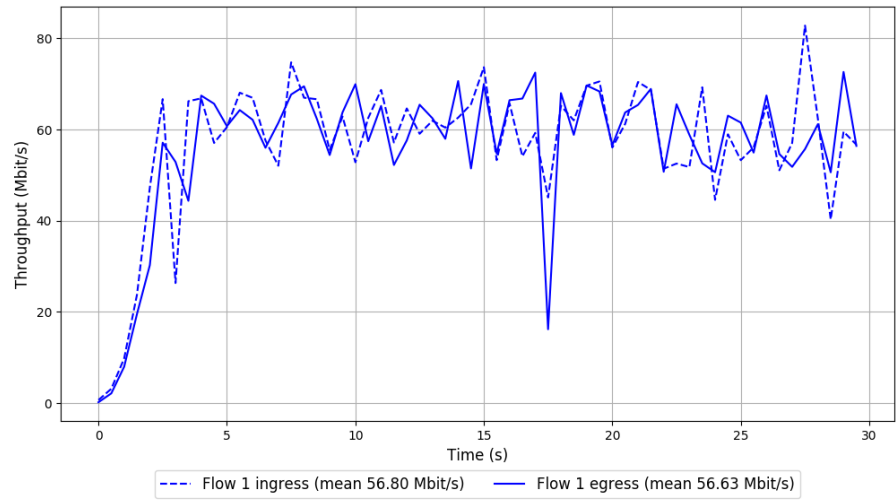
-- Flow 1:

Average throughput: 56.63 Mbit/s

95th percentile per-packet one-way delay: 167.185 ms

Loss rate: 0.84%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-08-21 19:21:21

End at: 2017-08-21 19:21:51

Local clock offset: -0.374 ms

Remote clock offset: 0.353 ms

Below is generated by plot.py at 2017-08-22 01:00:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.01 Mbit/s

95th percentile per-packet one-way delay: 172.128 ms

Loss rate: 1.33%

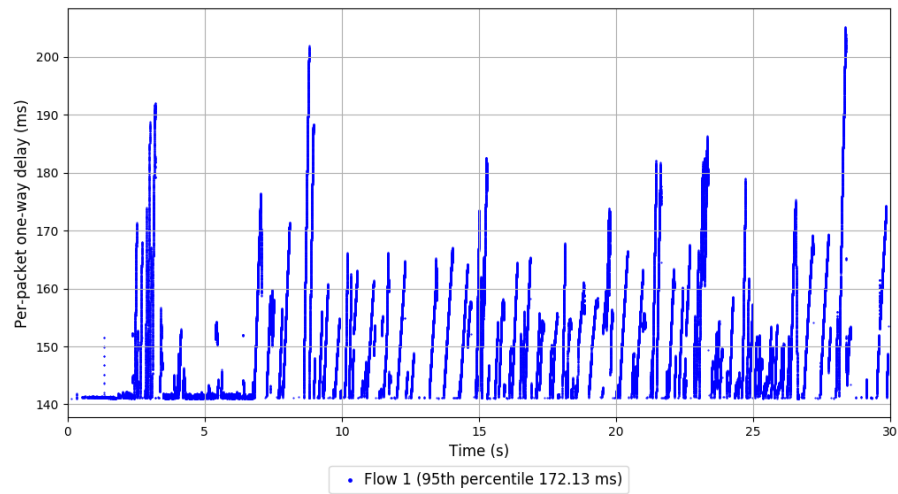
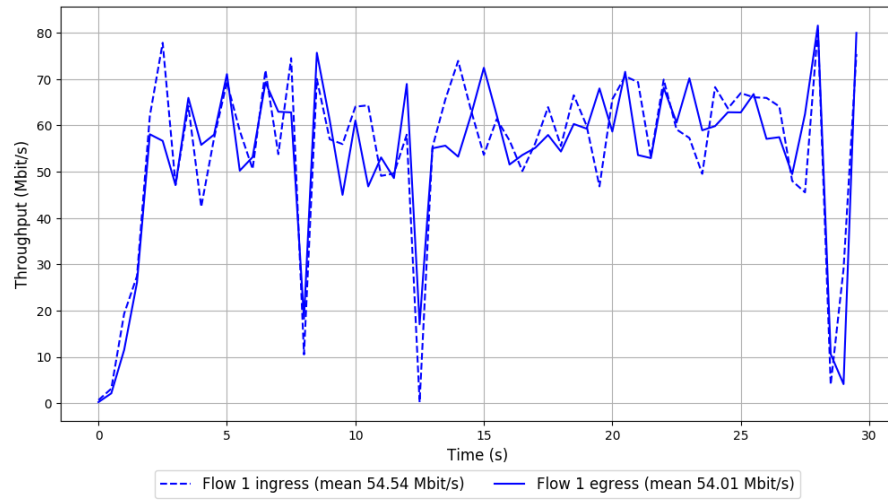
-- Flow 1:

Average throughput: 54.01 Mbit/s

95th percentile per-packet one-way delay: 172.128 ms

Loss rate: 1.33%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-08-21 19:42:38

End at: 2017-08-21 19:43:08

Local clock offset: -0.13 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2017-08-22 01:00:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.39 Mbit/s

95th percentile per-packet one-way delay: 179.178 ms

Loss rate: 2.46%

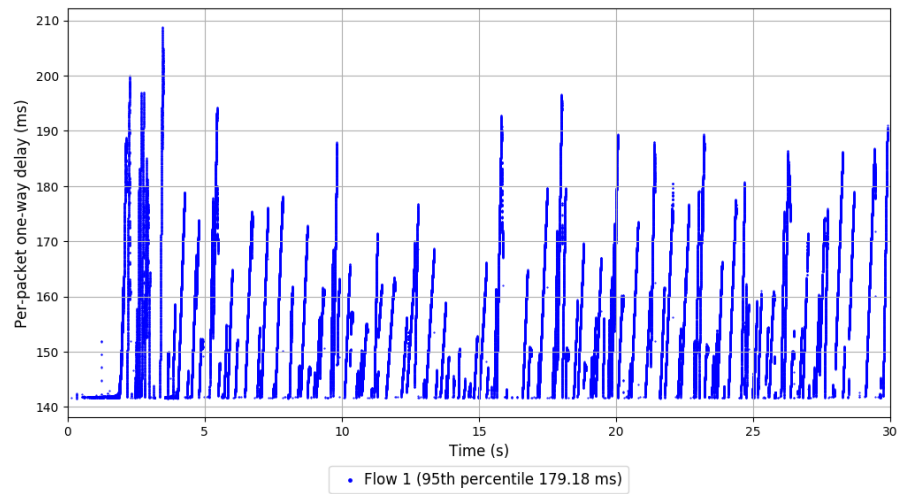
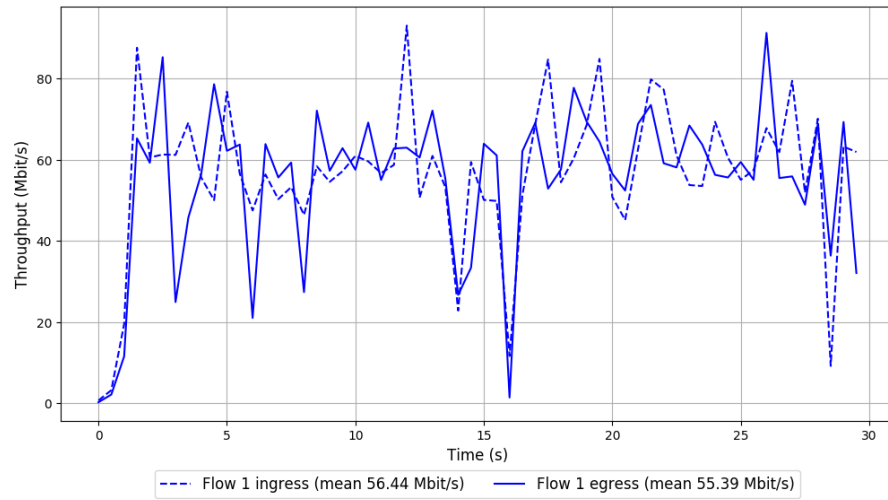
-- Flow 1:

Average throughput: 55.39 Mbit/s

95th percentile per-packet one-way delay: 179.178 ms

Loss rate: 2.46%

Run 6: Report of TCP BBR — Data Link

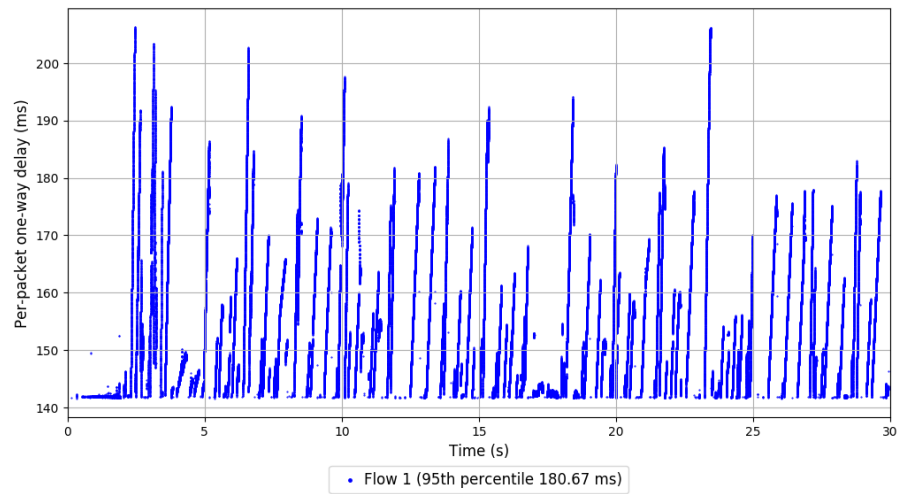
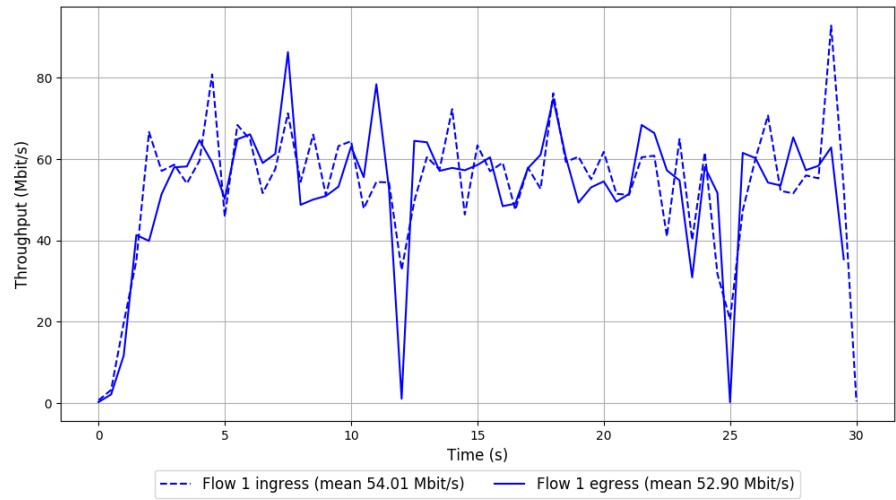


Run 7: Statistics of TCP BBR

Start at: 2017-08-21 20:04:06
End at: 2017-08-21 20:04:36
Local clock offset: 0.036 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2017-08-22 01:00:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 180.669 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 180.669 ms
Loss rate: 2.76%

Run 7: Report of TCP BBR — Data Link

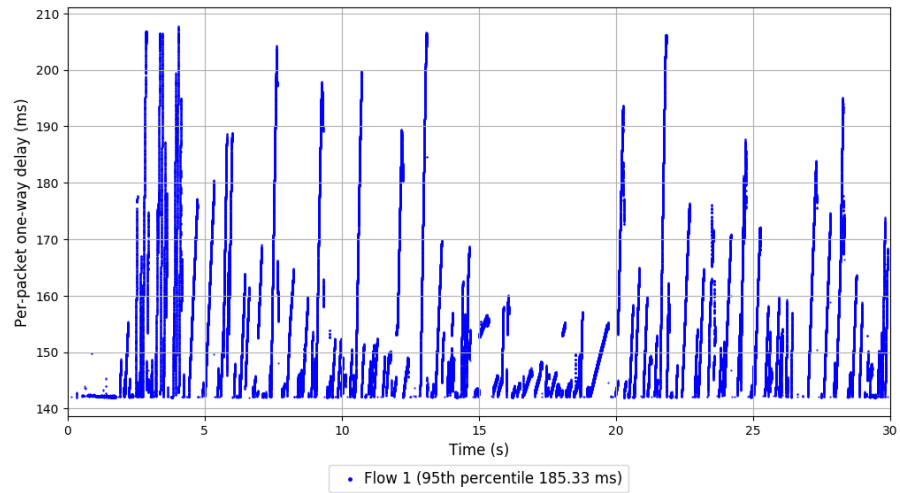
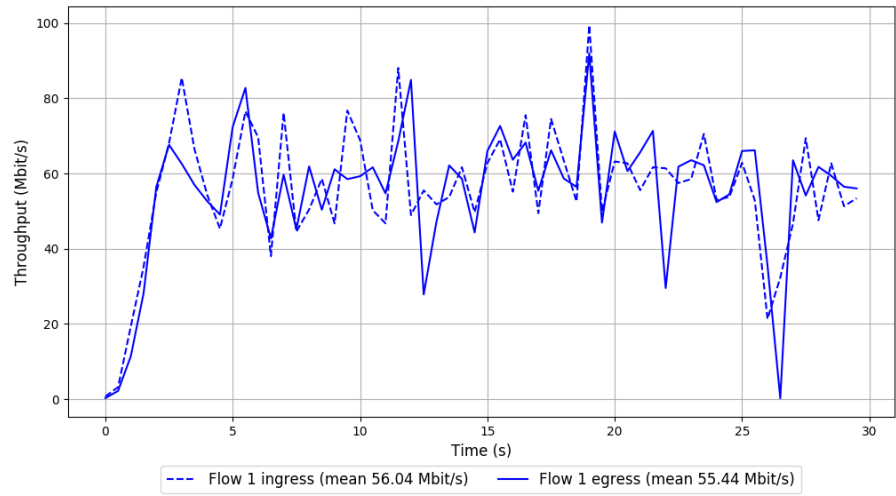


Run 8: Statistics of TCP BBR

Start at: 2017-08-21 20:25:21
End at: 2017-08-21 20:25:51
Local clock offset: 0.158 ms
Remote clock offset: -0.553 ms

Below is generated by plot.py at 2017-08-22 01:00:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.44 Mbit/s
95th percentile per-packet one-way delay: 185.329 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 55.44 Mbit/s
95th percentile per-packet one-way delay: 185.329 ms
Loss rate: 1.50%

Run 8: Report of TCP BBR — Data Link

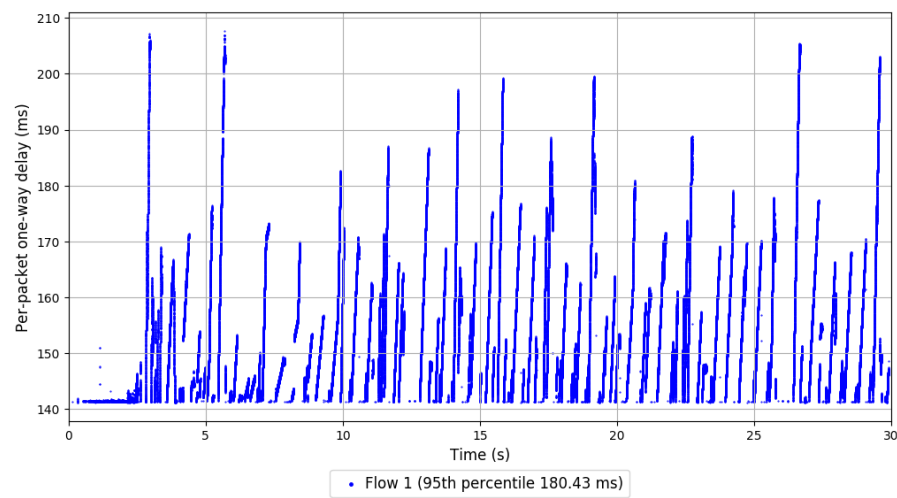
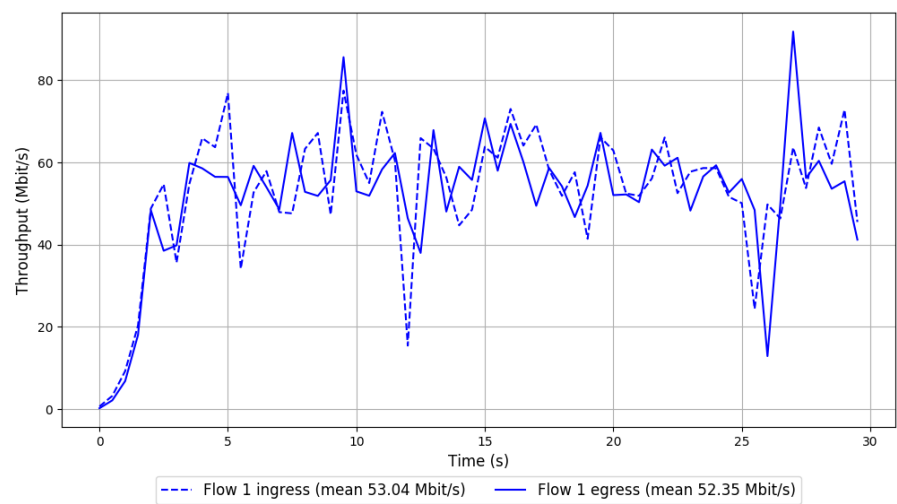


Run 9: Statistics of TCP BBR

Start at: 2017-08-21 20:47:03
End at: 2017-08-21 20:47:33
Local clock offset: 0.187 ms
Remote clock offset: -0.847 ms

Below is generated by plot.py at 2017-08-22 01:01:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.35 Mbit/s
95th percentile per-packet one-way delay: 180.430 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 52.35 Mbit/s
95th percentile per-packet one-way delay: 180.430 ms
Loss rate: 1.98%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2017-08-21 21:08:06

End at: 2017-08-21 21:08:36

Local clock offset: 0.402 ms

Remote clock offset: -1.028 ms

Below is generated by plot.py at 2017-08-22 01:01:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.23 Mbit/s

95th percentile per-packet one-way delay: 174.774 ms

Loss rate: 1.54%

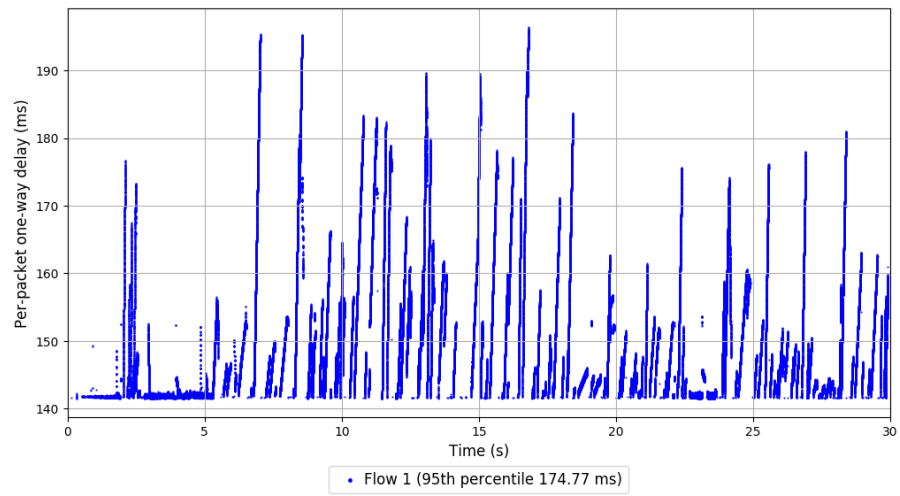
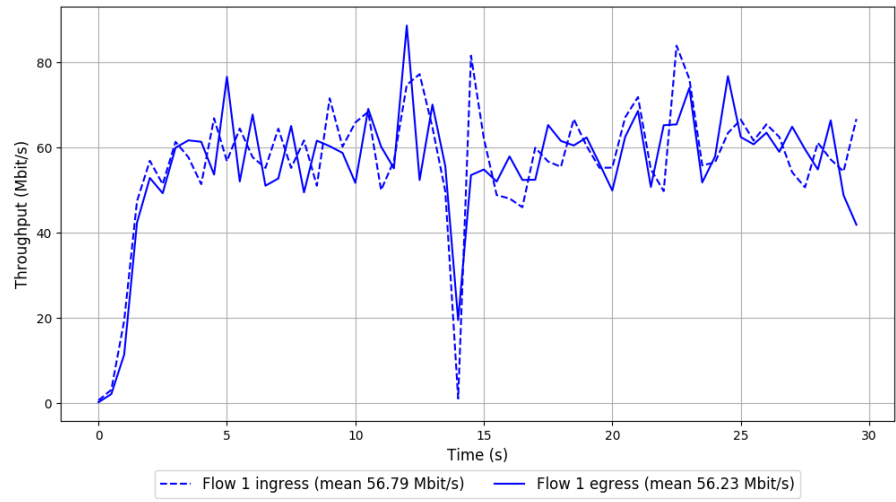
-- Flow 1:

Average throughput: 56.23 Mbit/s

95th percentile per-packet one-way delay: 174.774 ms

Loss rate: 1.54%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: 2017-08-21 17:53:39

End at: 2017-08-21 17:54:09

Local clock offset: 1.286 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2017-08-22 01:01:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.97 Mbit/s

95th percentile per-packet one-way delay: 154.946 ms

Loss rate: 1.00%

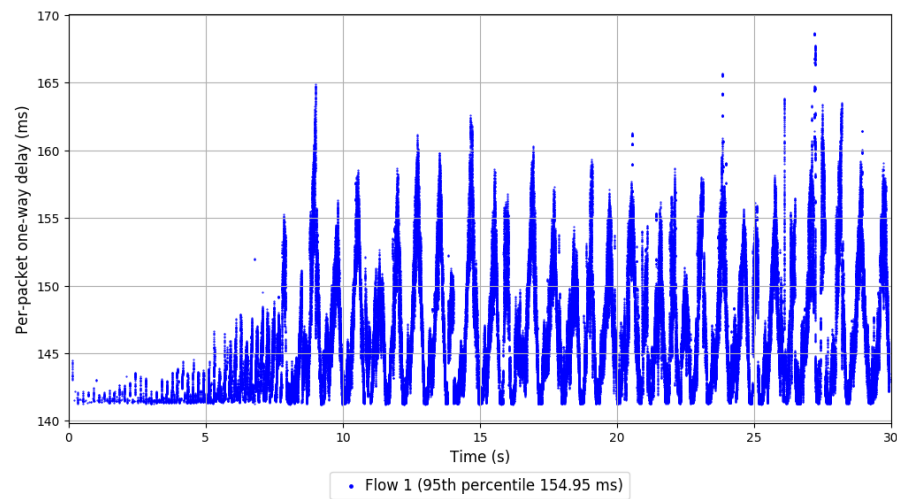
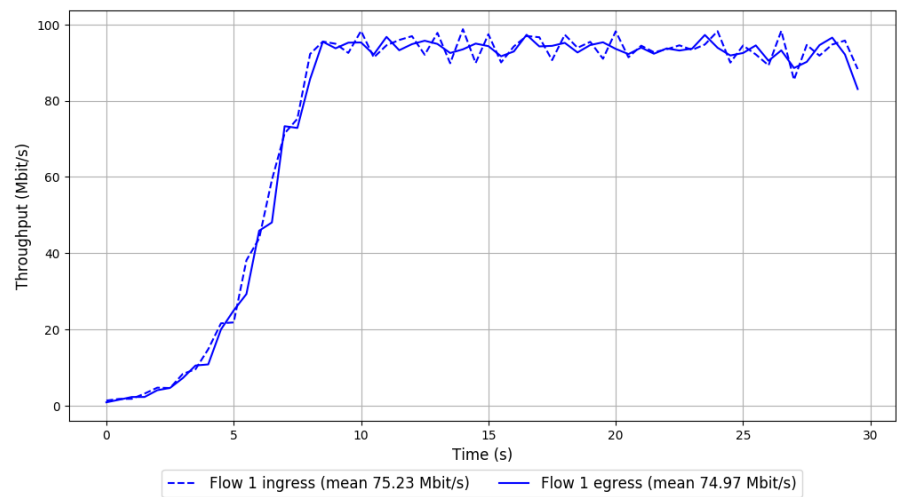
-- Flow 1:

Average throughput: 74.97 Mbit/s

95th percentile per-packet one-way delay: 154.946 ms

Loss rate: 1.00%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: 2017-08-21 18:15:03

End at: 2017-08-21 18:15:33

Local clock offset: 0.521 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2017-08-22 01:01:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.42 Mbit/s

95th percentile per-packet one-way delay: 155.225 ms

Loss rate: 1.04%

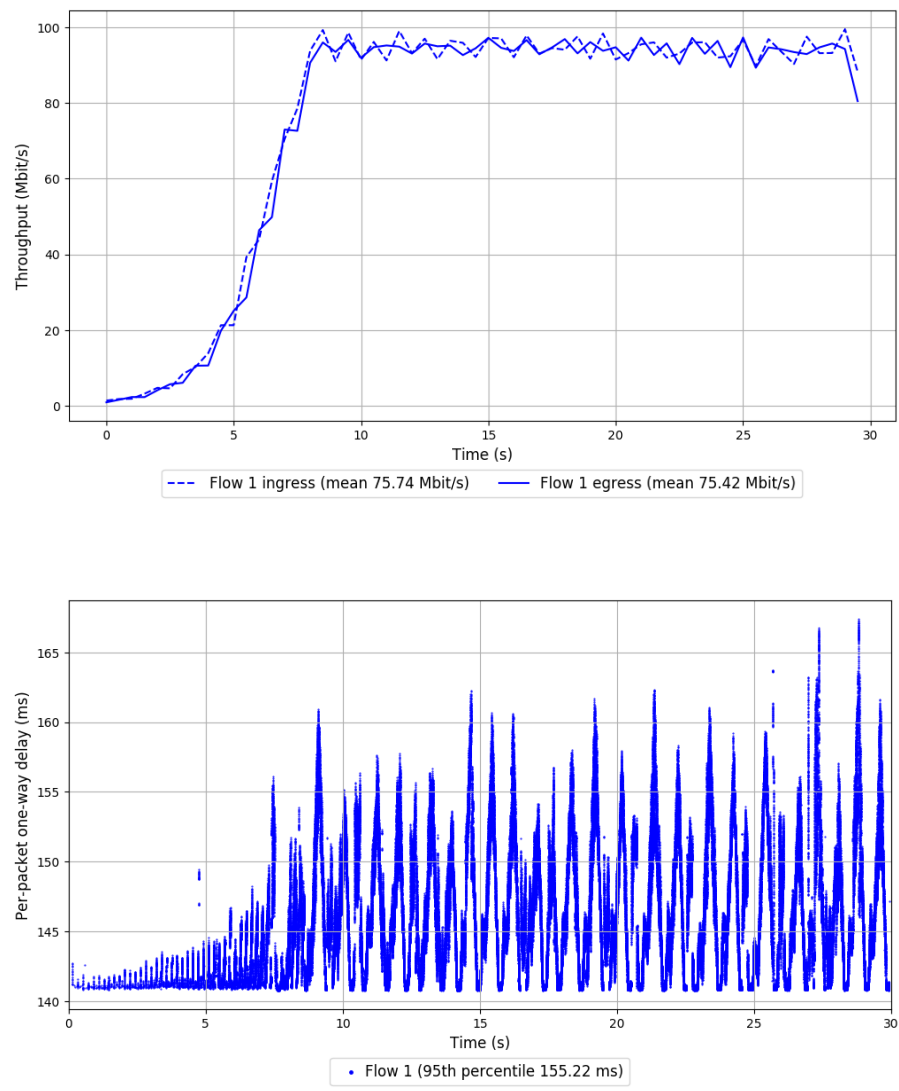
-- Flow 1:

Average throughput: 75.42 Mbit/s

95th percentile per-packet one-way delay: 155.225 ms

Loss rate: 1.04%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: 2017-08-21 18:36:32

End at: 2017-08-21 18:37:02

Local clock offset: 0.948 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2017-08-22 01:01:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.96 Mbit/s

95th percentile per-packet one-way delay: 156.346 ms

Loss rate: 1.01%

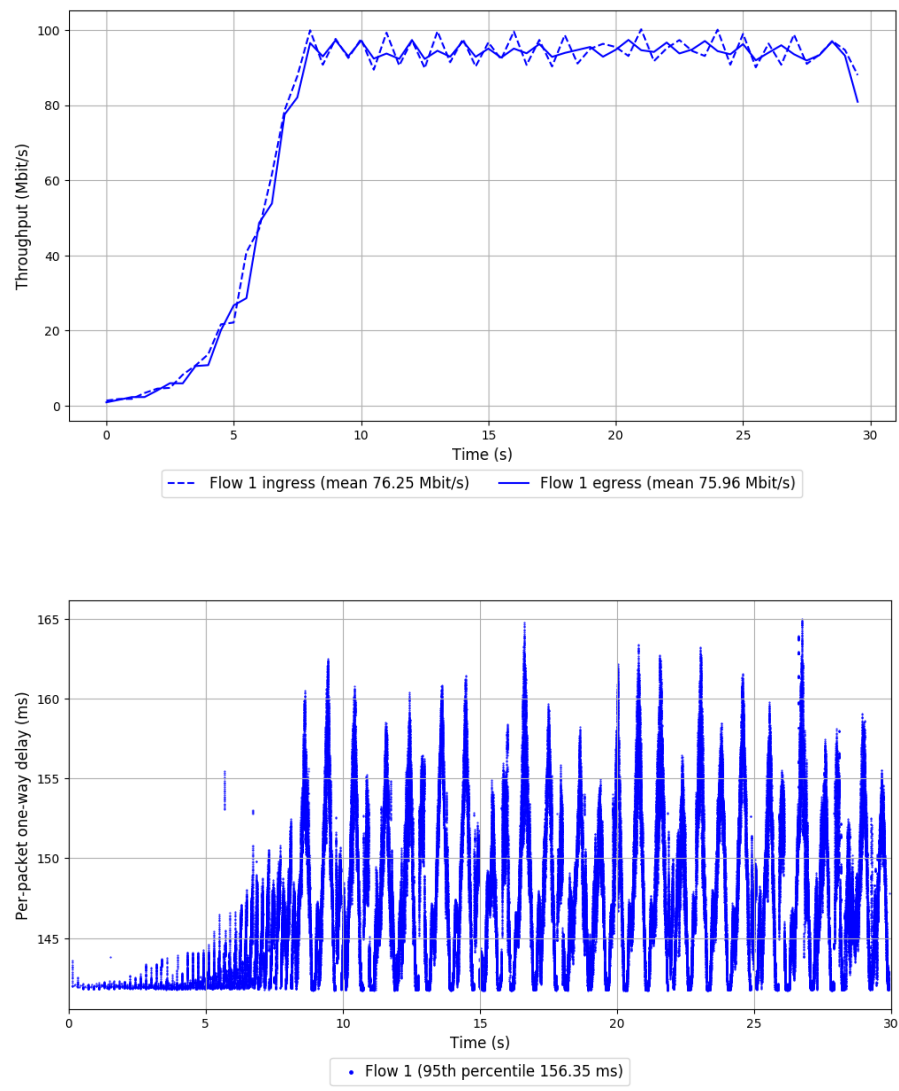
-- Flow 1:

Average throughput: 75.96 Mbit/s

95th percentile per-packet one-way delay: 156.346 ms

Loss rate: 1.01%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: 2017-08-21 18:57:35

End at: 2017-08-21 18:58:05

Local clock offset: 0.521 ms

Remote clock offset: 0.479 ms

Below is generated by plot.py at 2017-08-22 01:01:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.32 Mbit/s

95th percentile per-packet one-way delay: 155.102 ms

Loss rate: 1.12%

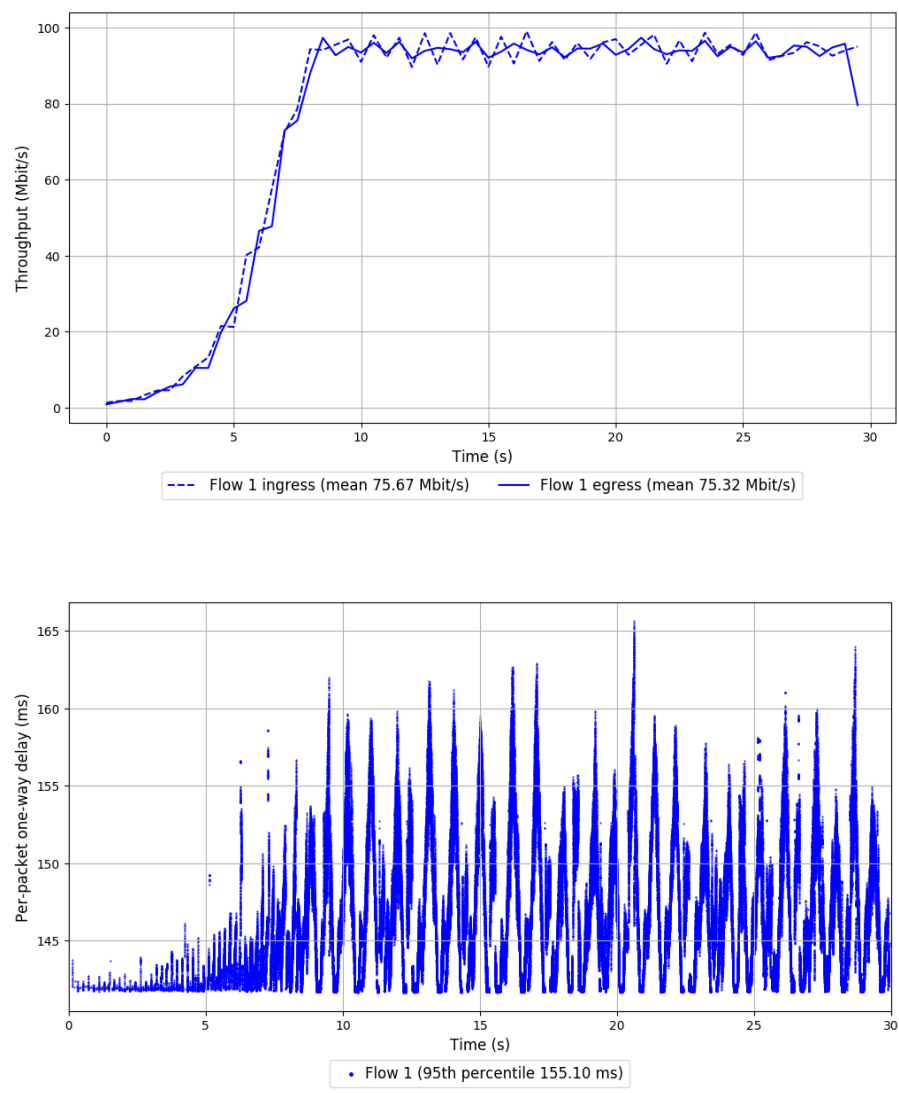
-- Flow 1:

Average throughput: 75.32 Mbit/s

95th percentile per-packet one-way delay: 155.102 ms

Loss rate: 1.12%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: 2017-08-21 19:19:29

End at: 2017-08-21 19:19:59

Local clock offset: 0.822 ms

Remote clock offset: 0.358 ms

Below is generated by plot.py at 2017-08-22 01:01:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.50 Mbit/s

95th percentile per-packet one-way delay: 156.144 ms

Loss rate: 1.04%

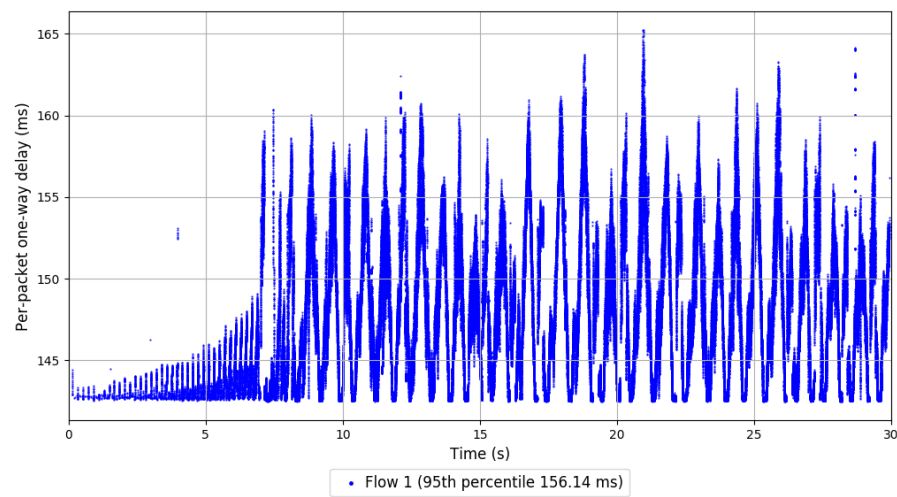
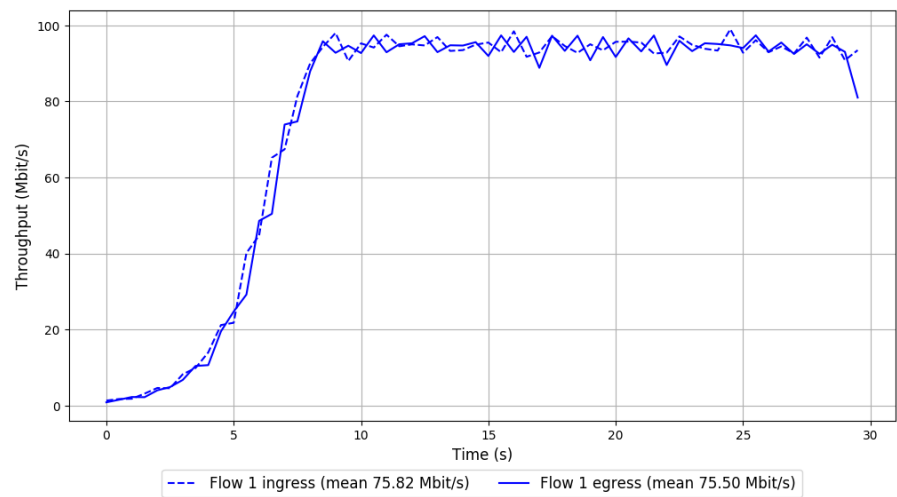
-- Flow 1:

Average throughput: 75.50 Mbit/s

95th percentile per-packet one-way delay: 156.144 ms

Loss rate: 1.04%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: 2017-08-21 19:41:01

End at: 2017-08-21 19:41:31

Local clock offset: 0.588 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2017-08-22 01:01:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.09 Mbit/s

95th percentile per-packet one-way delay: 154.888 ms

Loss rate: 1.02%

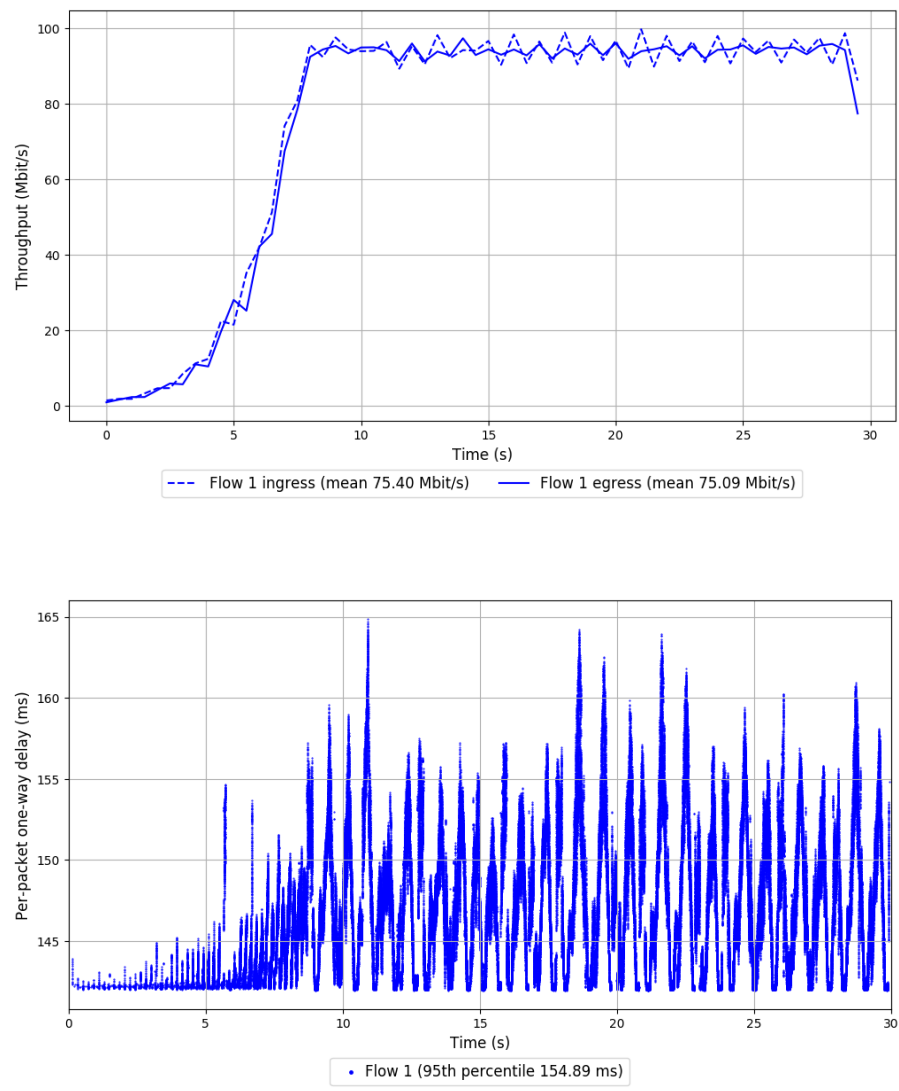
-- Flow 1:

Average throughput: 75.09 Mbit/s

95th percentile per-packet one-way delay: 154.888 ms

Loss rate: 1.02%

Run 6: Report of CalibratedKoho — Data Link

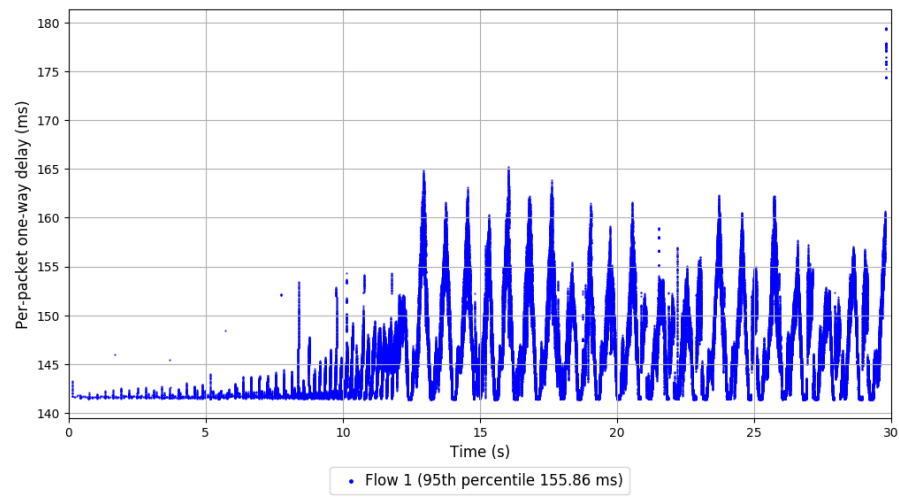
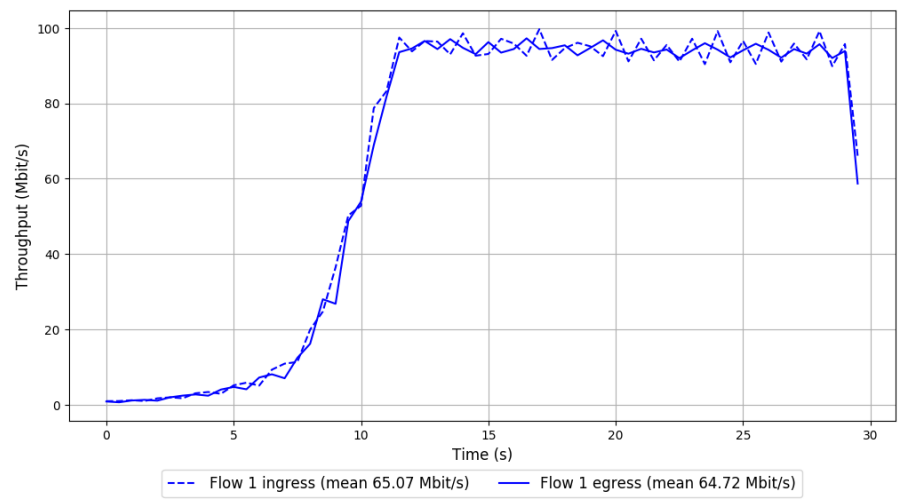


Run 7: Statistics of CalibratedKoho

Start at: 2017-08-21 20:02:25
End at: 2017-08-21 20:02:55
Local clock offset: -0.172 ms
Remote clock offset: -0.232 ms

Below is generated by plot.py at 2017-08-22 01:01:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.72 Mbit/s
95th percentile per-packet one-way delay: 155.864 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 64.72 Mbit/s
95th percentile per-packet one-way delay: 155.864 ms
Loss rate: 1.16%

Run 7: Report of CalibratedKoho — Data Link

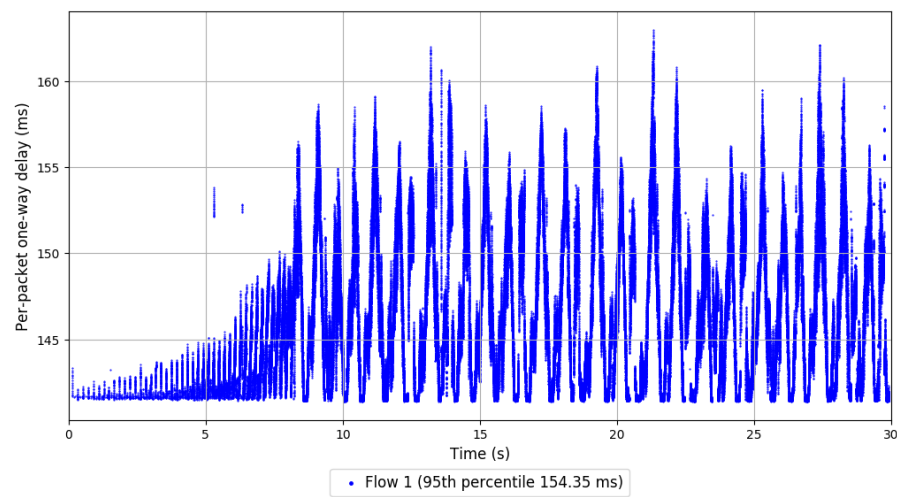
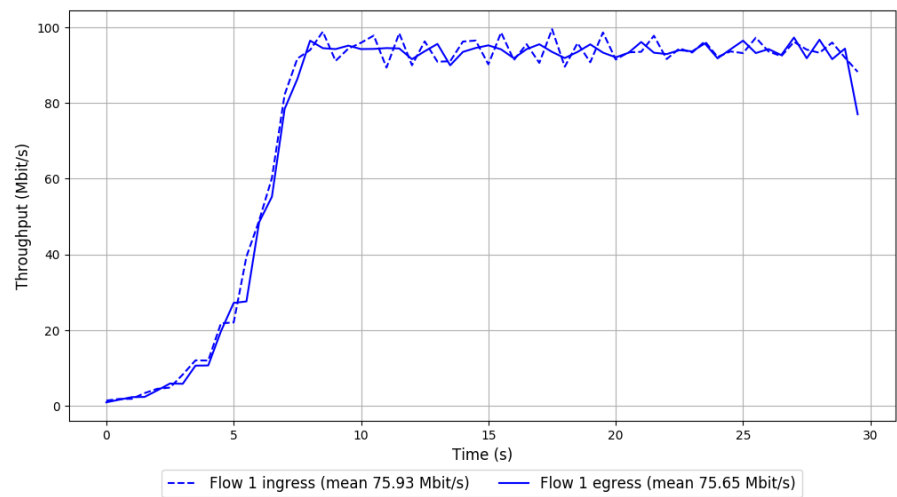


Run 8: Statistics of CalibratedKoho

Start at: 2017-08-21 20:23:32
End at: 2017-08-21 20:24:02
Local clock offset: -0.065 ms
Remote clock offset: -0.571 ms

Below is generated by plot.py at 2017-08-22 01:01:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.65 Mbit/s
95th percentile per-packet one-way delay: 154.347 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 75.65 Mbit/s
95th percentile per-packet one-way delay: 154.347 ms
Loss rate: 1.02%

Run 8: Report of CalibratedKoho — Data Link

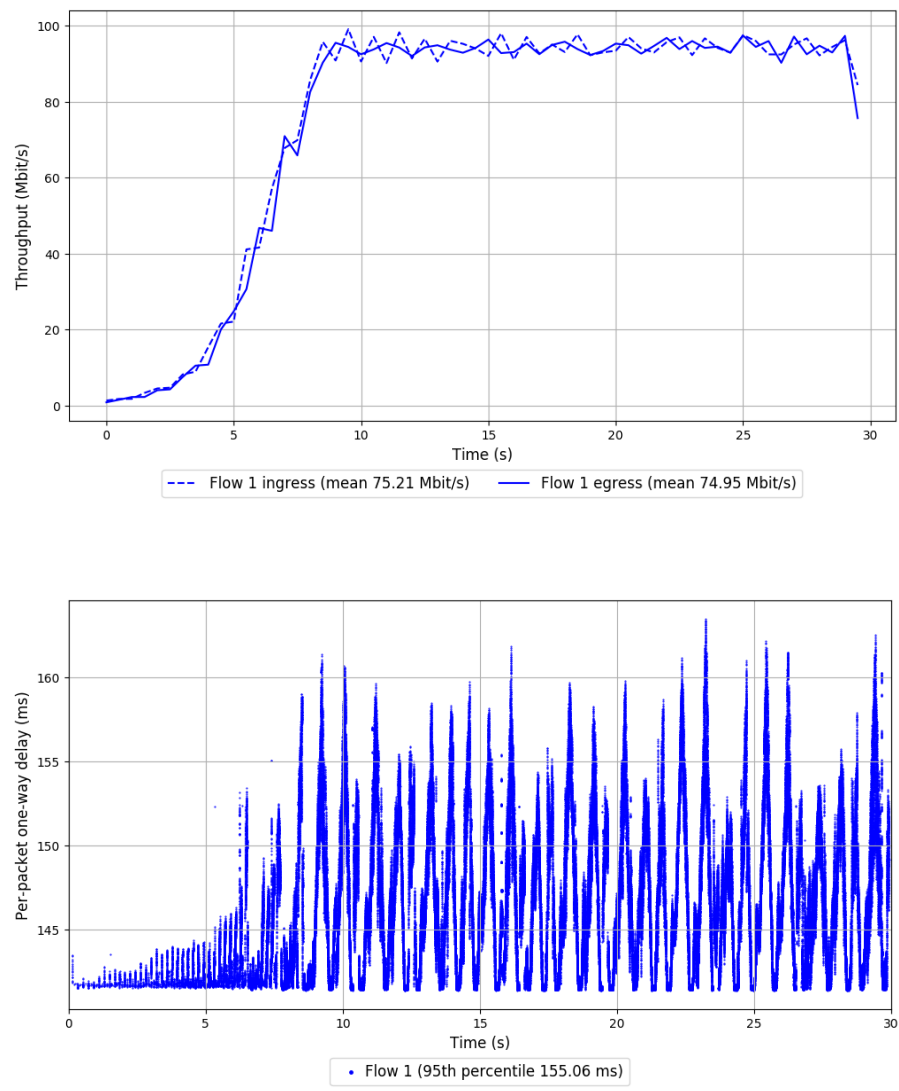


Run 9: Statistics of CalibratedKoho

Start at: 2017-08-21 20:45:07
End at: 2017-08-21 20:45:37
Local clock offset: 0.152 ms
Remote clock offset: -0.835 ms

Below is generated by plot.py at 2017-08-22 01:01:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.95 Mbit/s
95th percentile per-packet one-way delay: 155.063 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 74.95 Mbit/s
95th percentile per-packet one-way delay: 155.063 ms
Loss rate: 0.97%

Run 9: Report of CalibratedKoho — Data Link

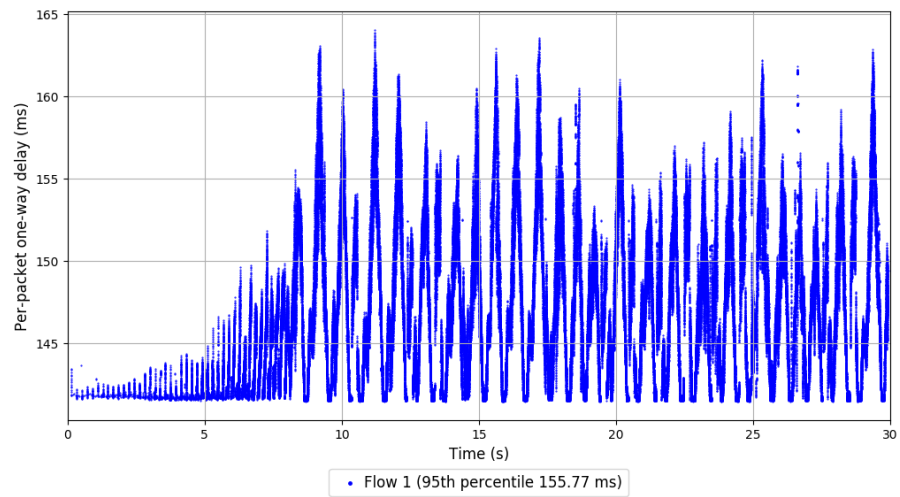
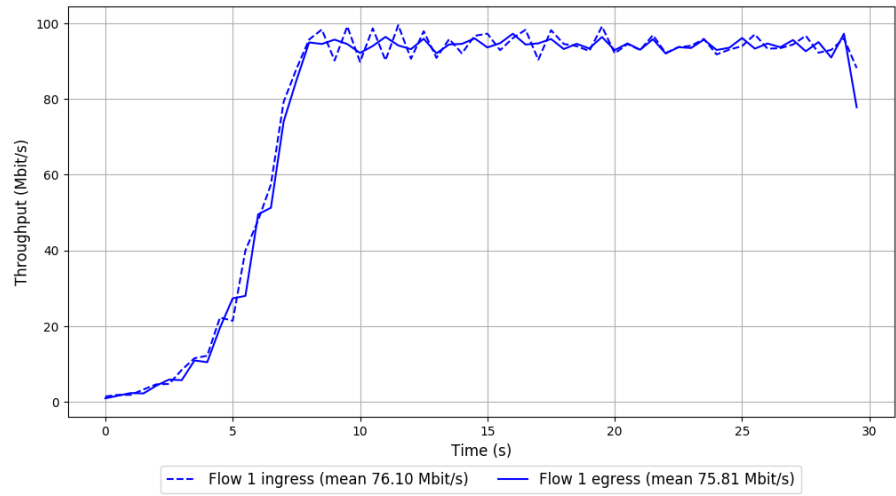


Run 10: Statistics of CalibratedKoho

Start at: 2017-08-21 21:06:12
End at: 2017-08-21 21:06:42
Local clock offset: 0.426 ms
Remote clock offset: -1.052 ms

Below is generated by plot.py at 2017-08-22 01:01:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.81 Mbit/s
95th percentile per-packet one-way delay: 155.768 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 75.81 Mbit/s
95th percentile per-packet one-way delay: 155.768 ms
Loss rate: 1.01%

Run 10: Report of CalibratedKoho — Data Link

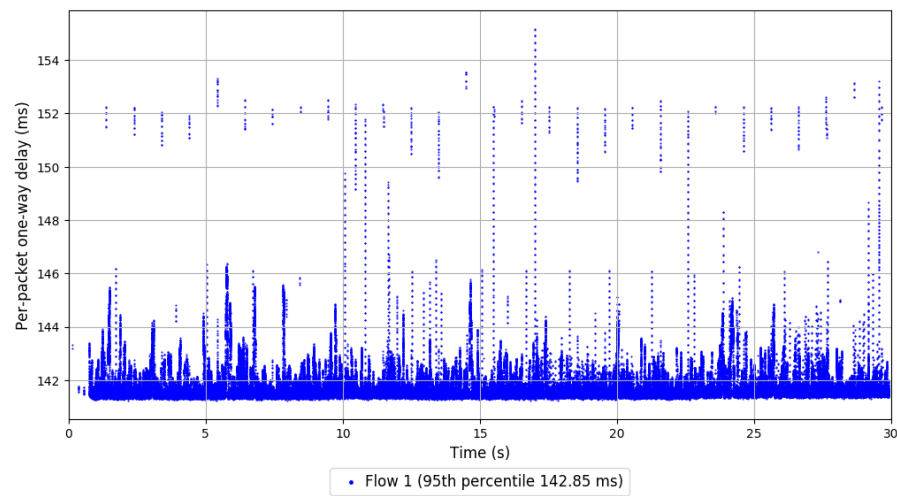
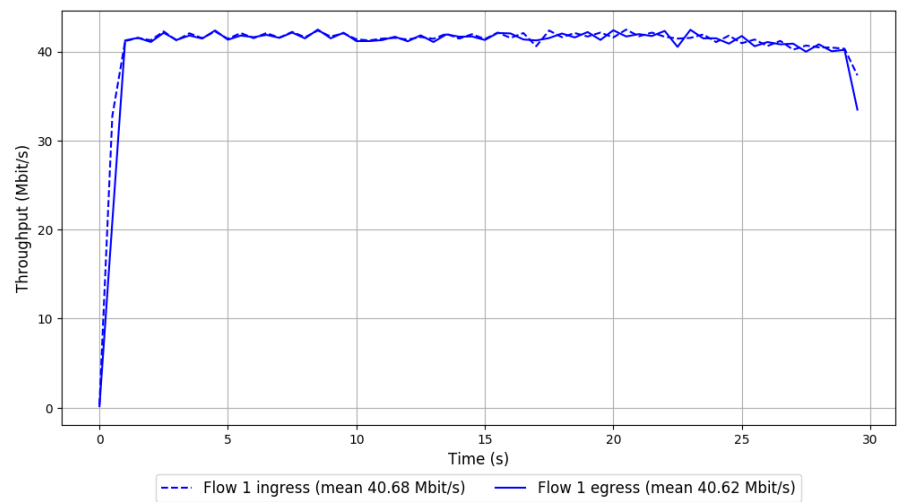


Run 1: Statistics of Copa

Start at: 2017-08-21 17:50:43
End at: 2017-08-21 17:51:13
Local clock offset: 1.37 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2017-08-22 01:02:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 142.848 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 142.848 ms
Loss rate: 0.79%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2017-08-21 18:12:12

End at: 2017-08-21 18:12:42

Local clock offset: 2.098 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2017-08-22 01:02:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.69 Mbit/s

95th percentile per-packet one-way delay: 142.872 ms

Loss rate: 0.86%

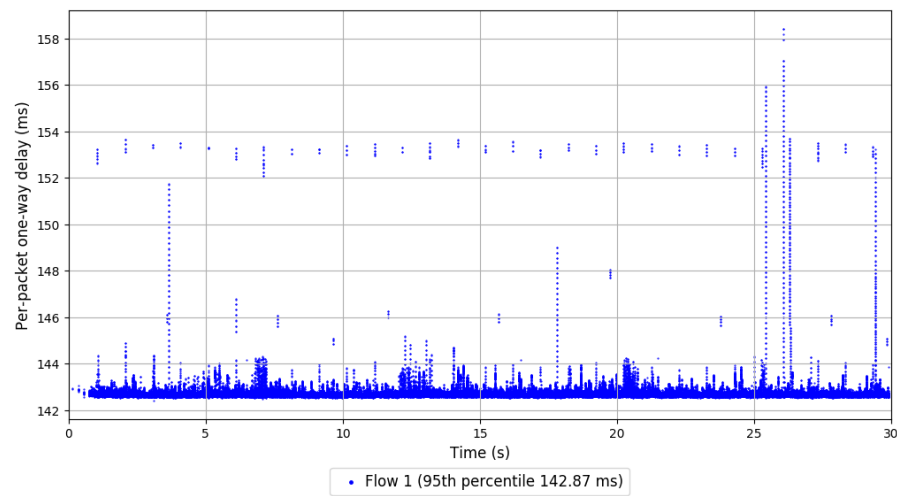
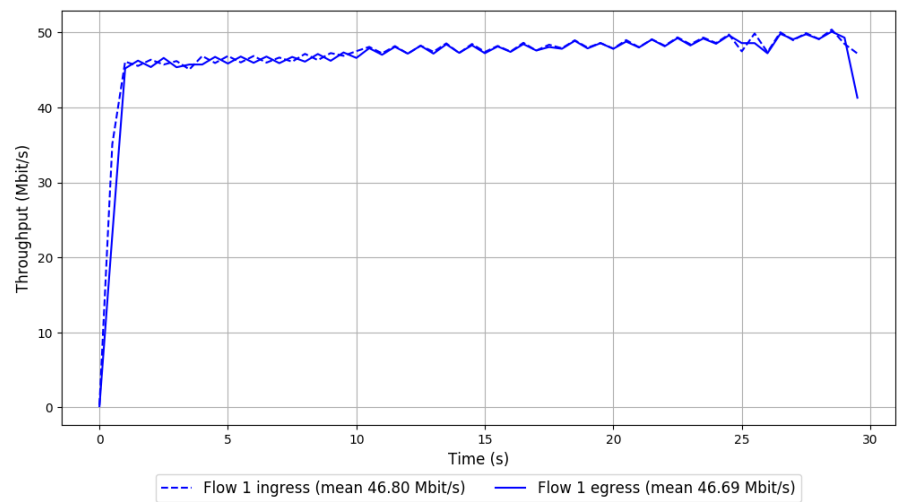
-- Flow 1:

Average throughput: 46.69 Mbit/s

95th percentile per-packet one-way delay: 142.872 ms

Loss rate: 0.86%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2017-08-21 18:33:39

End at: 2017-08-21 18:34:09

Local clock offset: 1.575 ms

Remote clock offset: 0.189 ms

Below is generated by plot.py at 2017-08-22 01:02:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.67 Mbit/s

95th percentile per-packet one-way delay: 142.355 ms

Loss rate: 0.86%

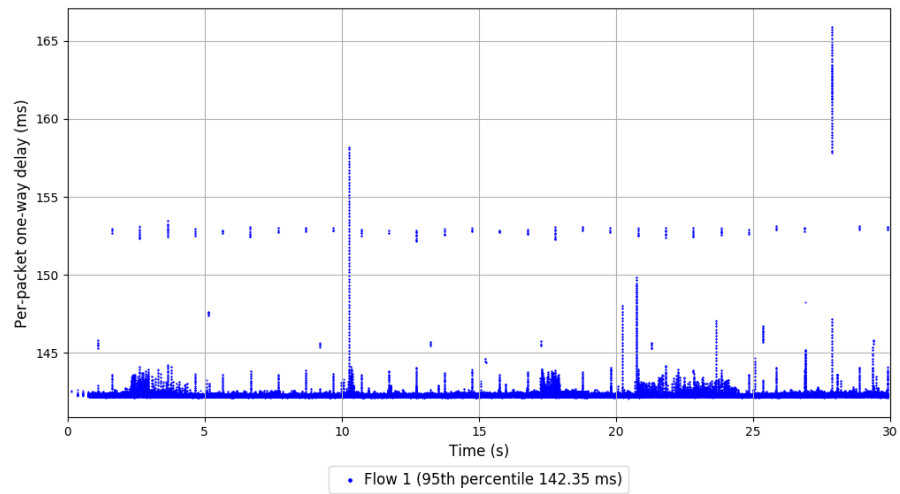
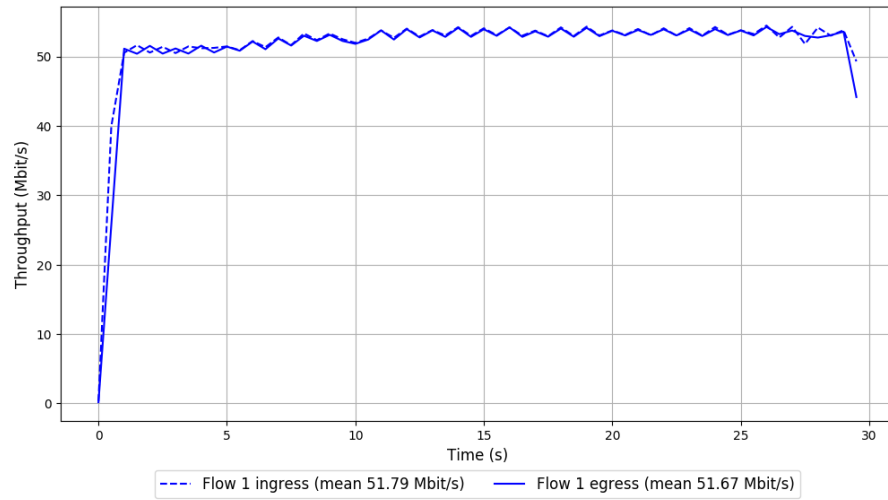
-- Flow 1:

Average throughput: 51.67 Mbit/s

95th percentile per-packet one-way delay: 142.355 ms

Loss rate: 0.86%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2017-08-21 18:54:45

End at: 2017-08-21 18:55:15

Local clock offset: -0.07 ms

Remote clock offset: 0.301 ms

Below is generated by plot.py at 2017-08-22 01:02:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.18 Mbit/s

95th percentile per-packet one-way delay: 141.336 ms

Loss rate: 0.84%

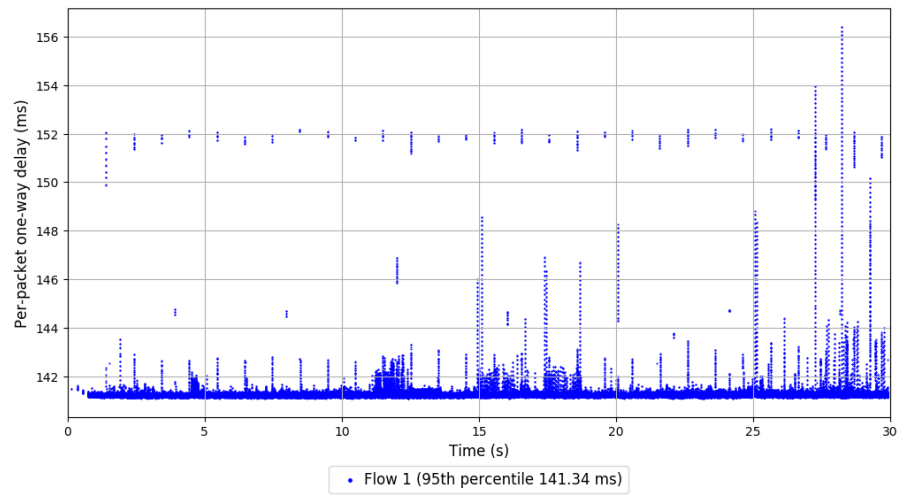
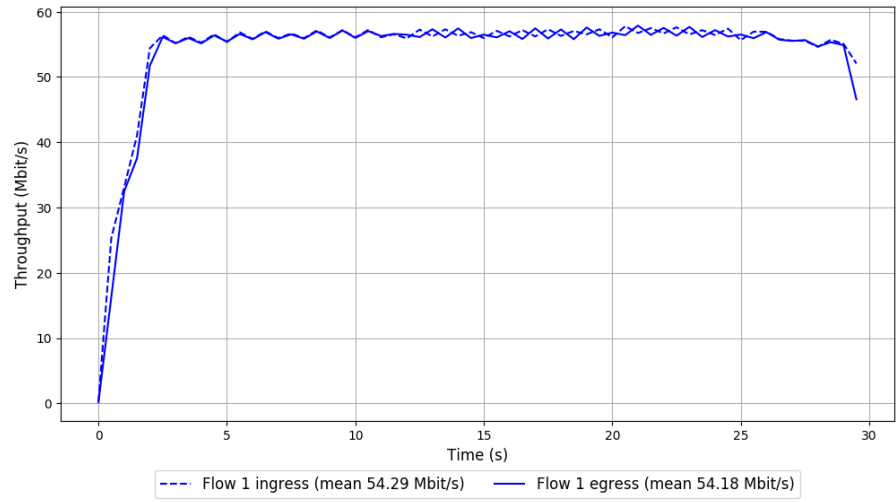
-- Flow 1:

Average throughput: 54.18 Mbit/s

95th percentile per-packet one-way delay: 141.336 ms

Loss rate: 0.84%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2017-08-21 19:16:12

End at: 2017-08-21 19:16:42

Local clock offset: -0.307 ms

Remote clock offset: 0.363 ms

Below is generated by plot.py at 2017-08-22 01:02:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.34 Mbit/s

95th percentile per-packet one-way delay: 145.049 ms

Loss rate: 0.91%

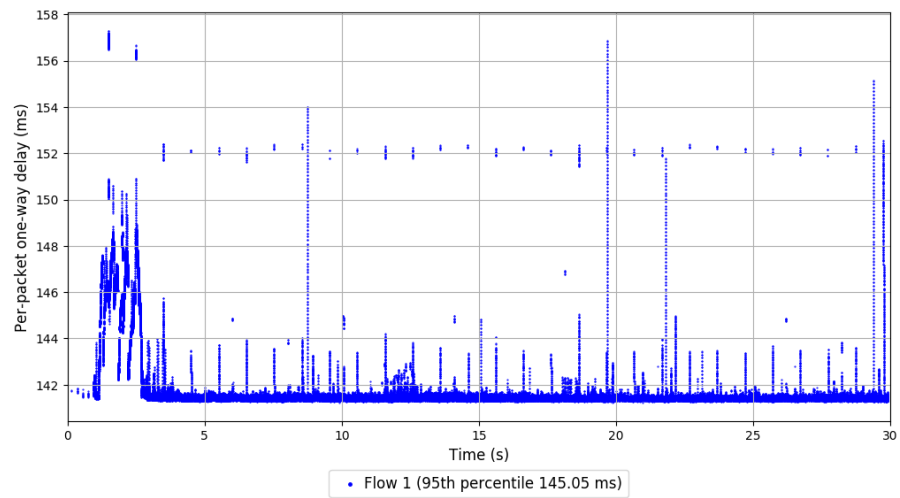
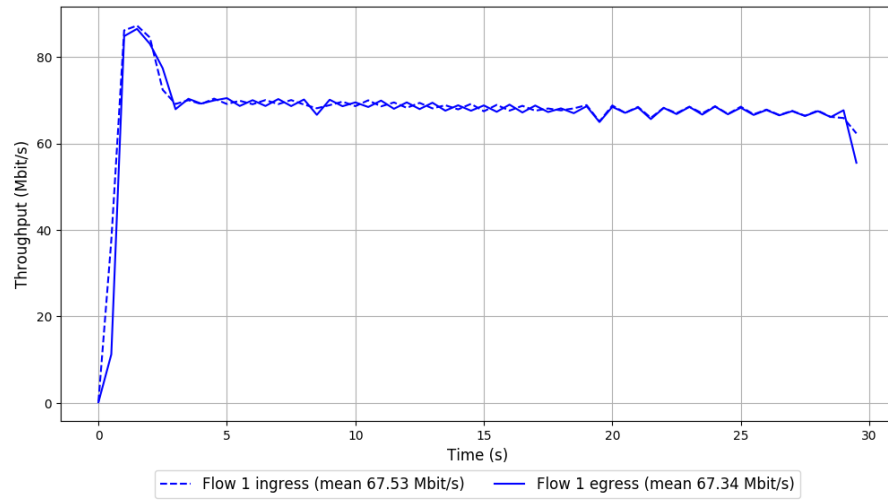
-- Flow 1:

Average throughput: 67.34 Mbit/s

95th percentile per-packet one-way delay: 145.049 ms

Loss rate: 0.91%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2017-08-21 19:37:59

End at: 2017-08-21 19:38:29

Local clock offset: -0.182 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2017-08-22 01:02:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.82 Mbit/s

95th percentile per-packet one-way delay: 142.014 ms

Loss rate: 0.80%

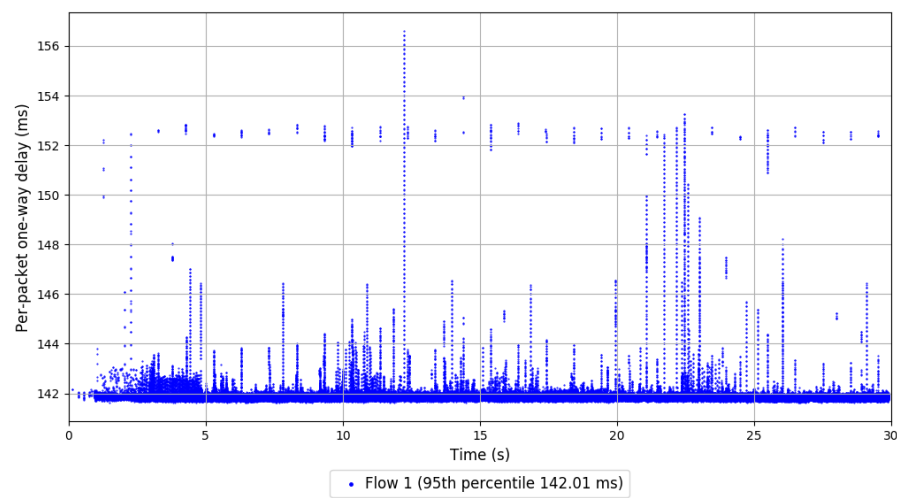
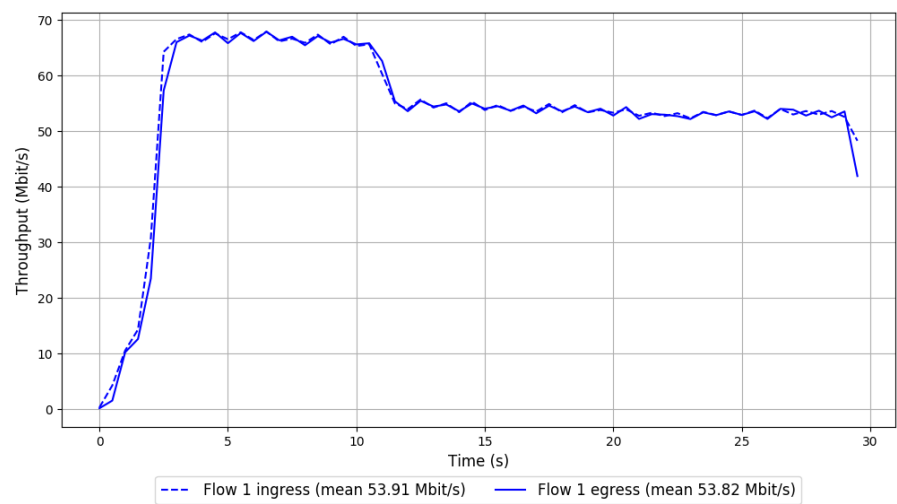
-- Flow 1:

Average throughput: 53.82 Mbit/s

95th percentile per-packet one-way delay: 142.014 ms

Loss rate: 0.80%

Run 6: Report of Copa — Data Link

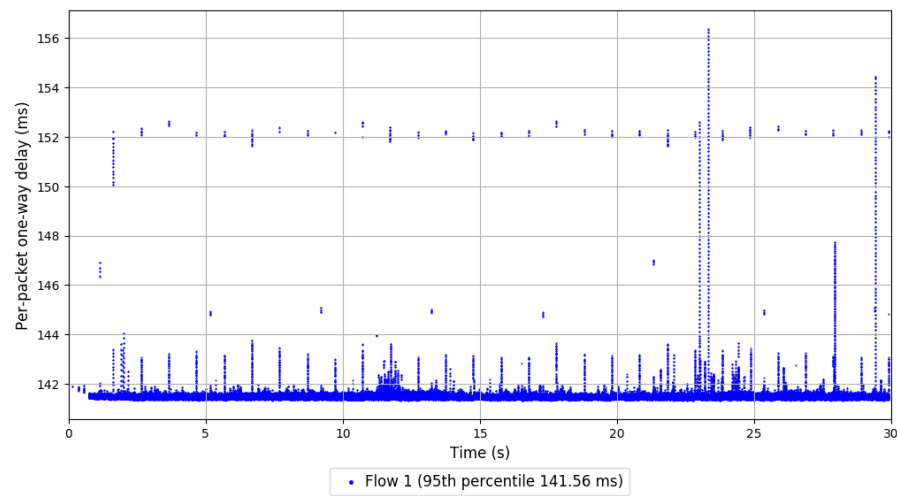
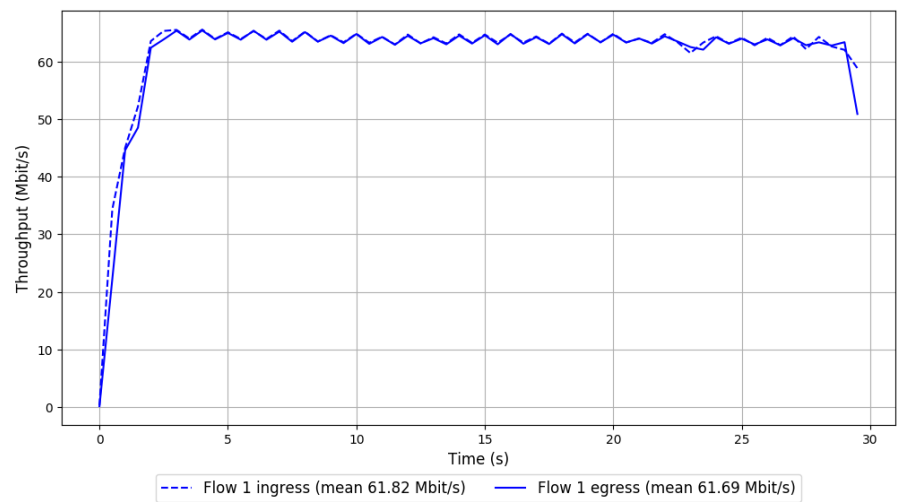


Run 7: Statistics of Copa

Start at: 2017-08-21 19:59:14
End at: 2017-08-21 19:59:44
Local clock offset: -0.048 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2017-08-22 01:02:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.69 Mbit/s
95th percentile per-packet one-way delay: 141.562 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 61.69 Mbit/s
95th percentile per-packet one-way delay: 141.562 ms
Loss rate: 0.83%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2017-08-21 20:20:40

End at: 2017-08-21 20:21:10

Local clock offset: 0.184 ms

Remote clock offset: -0.5 ms

Below is generated by plot.py at 2017-08-22 01:02:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.66 Mbit/s

95th percentile per-packet one-way delay: 141.588 ms

Loss rate: 0.79%

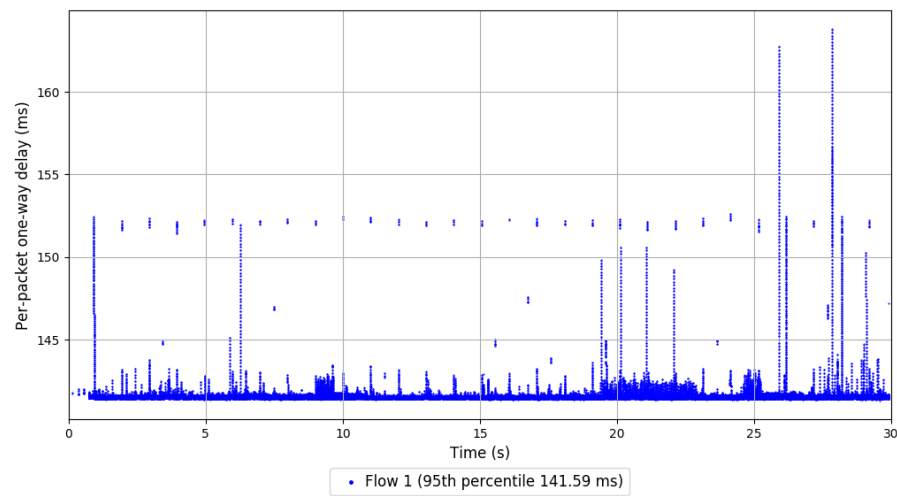
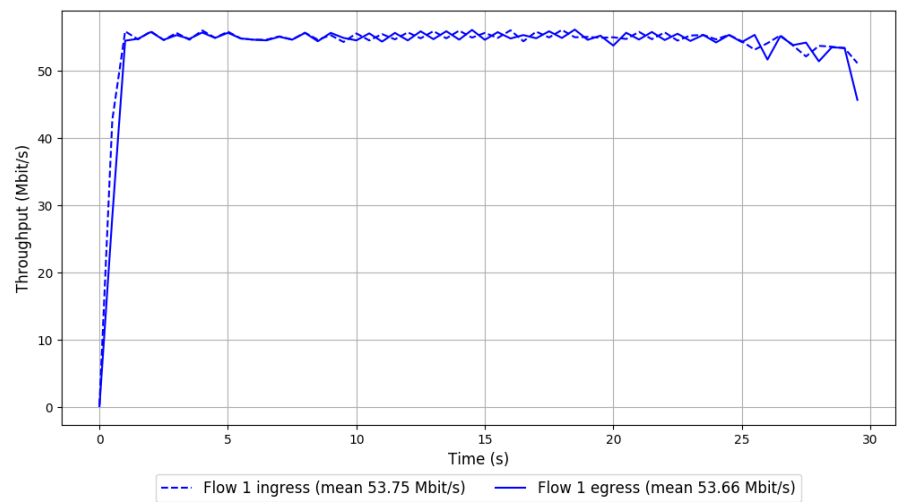
-- Flow 1:

Average throughput: 53.66 Mbit/s

95th percentile per-packet one-way delay: 141.588 ms

Loss rate: 0.79%

Run 8: Report of Copa — Data Link

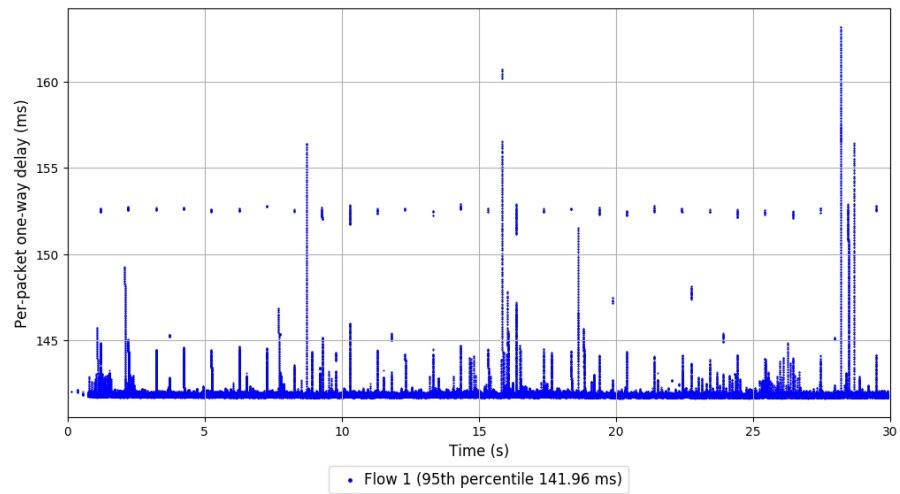
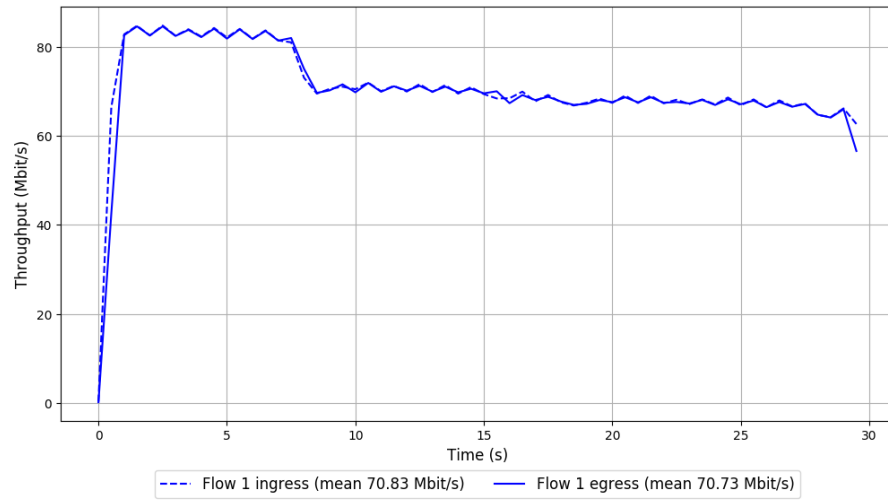


Run 9: Statistics of Copa

Start at: 2017-08-21 20:42:01
End at: 2017-08-21 20:42:31
Local clock offset: 0.095 ms
Remote clock offset: -0.853 ms

Below is generated by plot.py at 2017-08-22 01:03:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.73 Mbit/s
95th percentile per-packet one-way delay: 141.964 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 70.73 Mbit/s
95th percentile per-packet one-way delay: 141.964 ms
Loss rate: 0.76%

Run 9: Report of Copa — Data Link

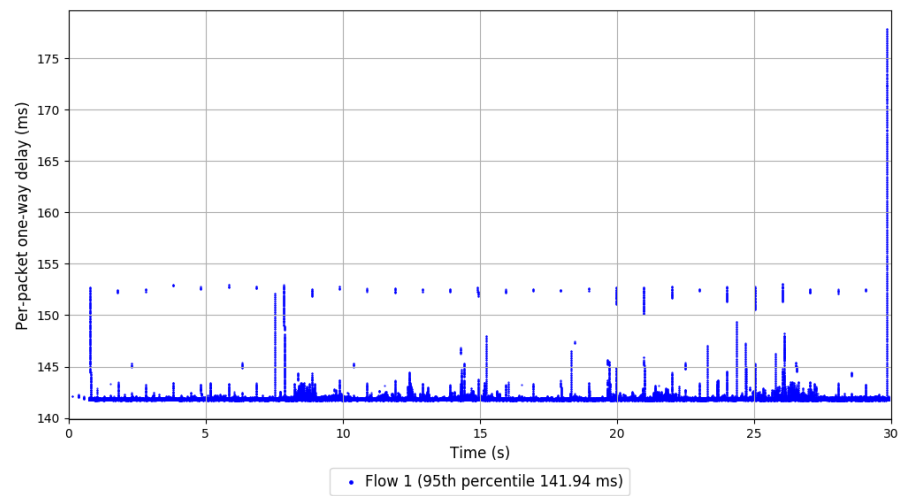
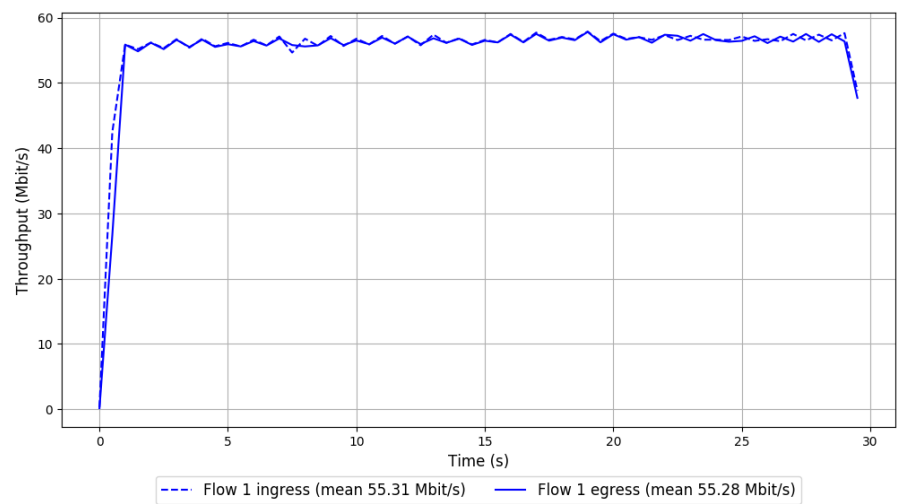


Run 10: Statistics of Copa

Start at: 2017-08-21 21:03:15
End at: 2017-08-21 21:03:45
Local clock offset: 0.401 ms
Remote clock offset: -1.001 ms

Below is generated by plot.py at 2017-08-22 01:03:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 141.938 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 141.938 ms
Loss rate: 0.68%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-08-21 17:59:49

End at: 2017-08-21 18:00:19

Local clock offset: 1.183 ms

Remote clock offset: 2.223 ms

Below is generated by plot.py at 2017-08-22 01:03:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 150.474 ms

Loss rate: 0.69%

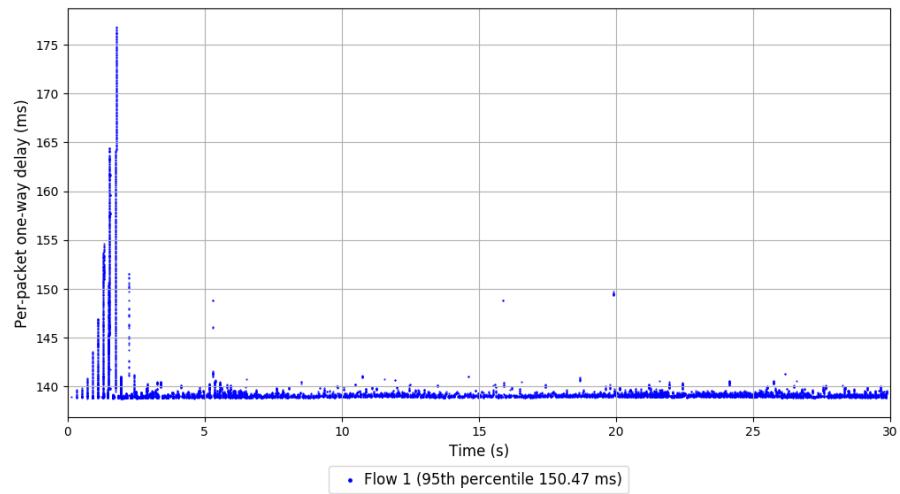
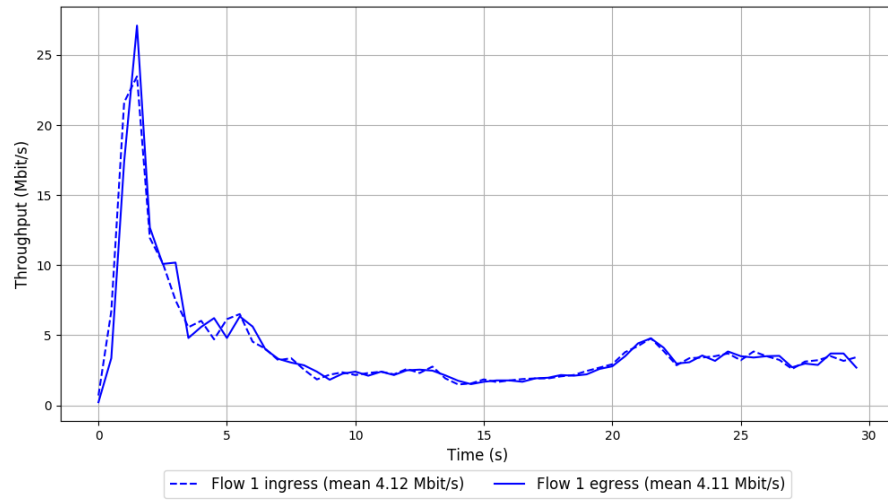
-- Flow 1:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 150.474 ms

Loss rate: 0.69%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2017-08-21 18:21:09

End at: 2017-08-21 18:21:39

Local clock offset: 1.595 ms

Remote clock offset: 0.158 ms

Below is generated by plot.py at 2017-08-22 01:03:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 142.611 ms

Loss rate: 0.98%

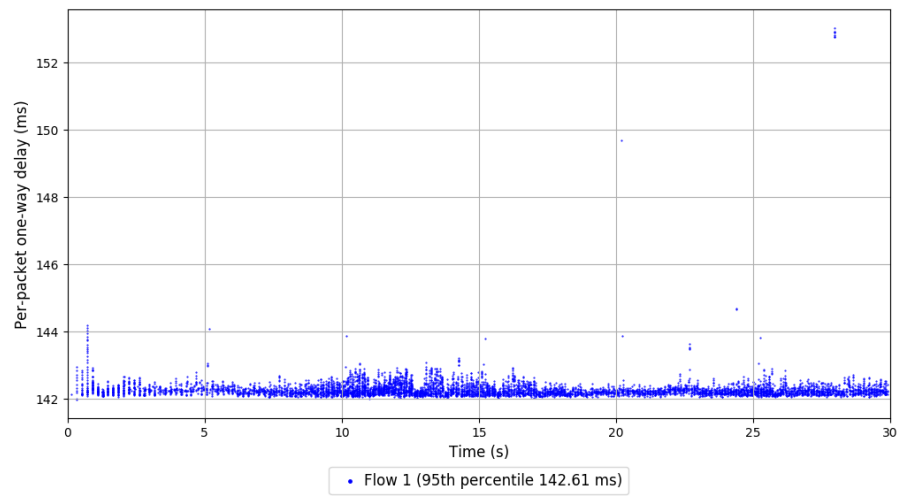
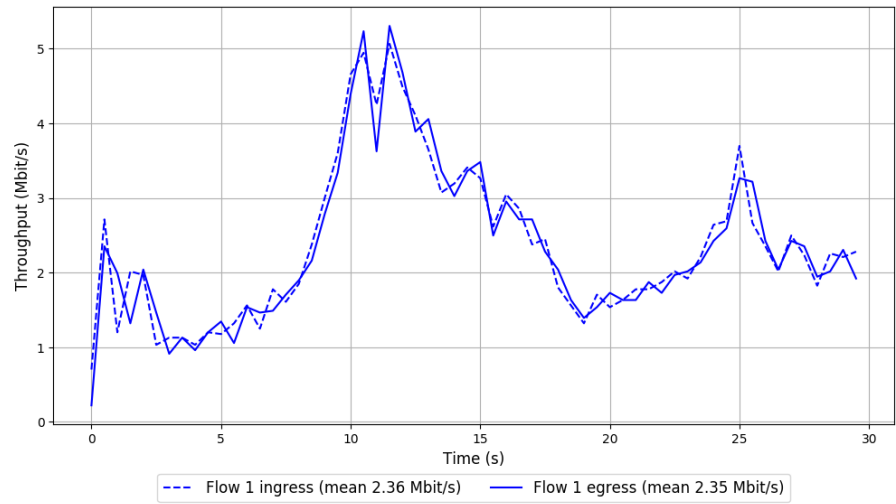
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 142.611 ms

Loss rate: 0.98%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2017-08-21 18:42:37

End at: 2017-08-21 18:43:07

Local clock offset: 0.785 ms

Remote clock offset: 0.345 ms

Below is generated by plot.py at 2017-08-22 01:03:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.76 Mbit/s

95th percentile per-packet one-way delay: 142.138 ms

Loss rate: 0.75%

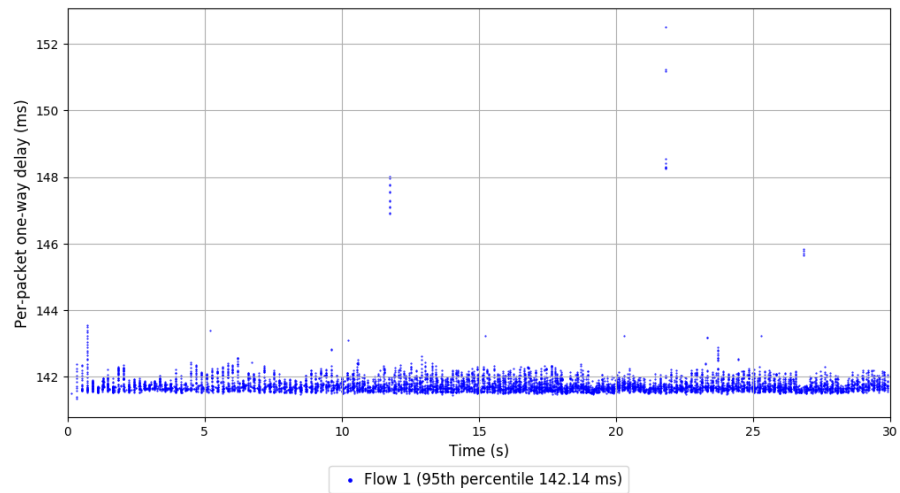
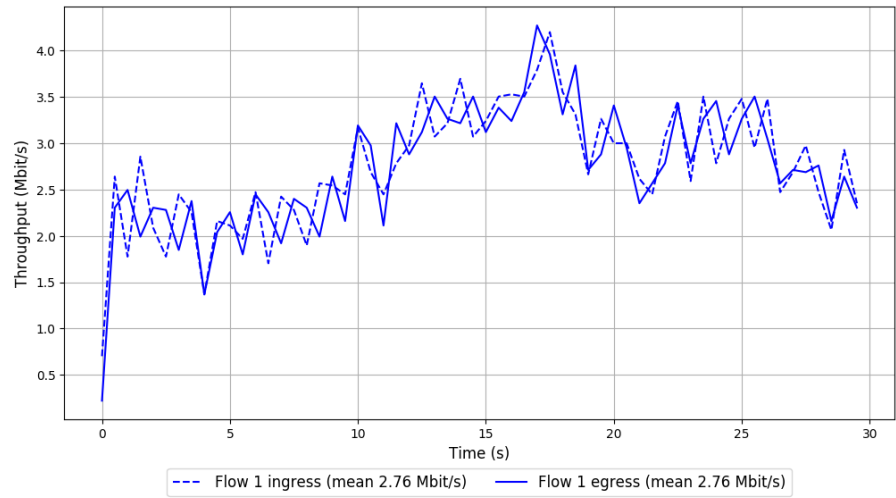
-- Flow 1:

Average throughput: 2.76 Mbit/s

95th percentile per-packet one-way delay: 142.138 ms

Loss rate: 0.75%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-08-21 19:03:39

End at: 2017-08-21 19:04:09

Local clock offset: 0.195 ms

Remote clock offset: 0.443 ms

Below is generated by plot.py at 2017-08-22 01:03:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.41 Mbit/s

95th percentile per-packet one-way delay: 161.217 ms

Loss rate: 0.45%

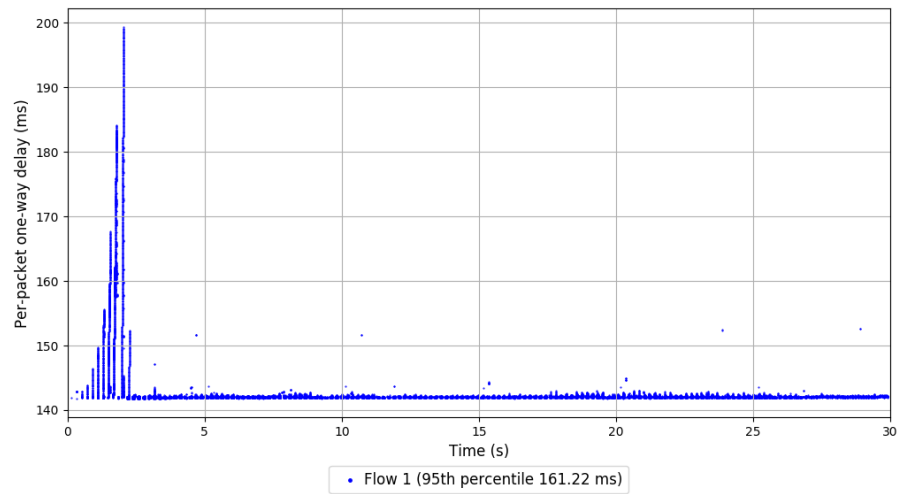
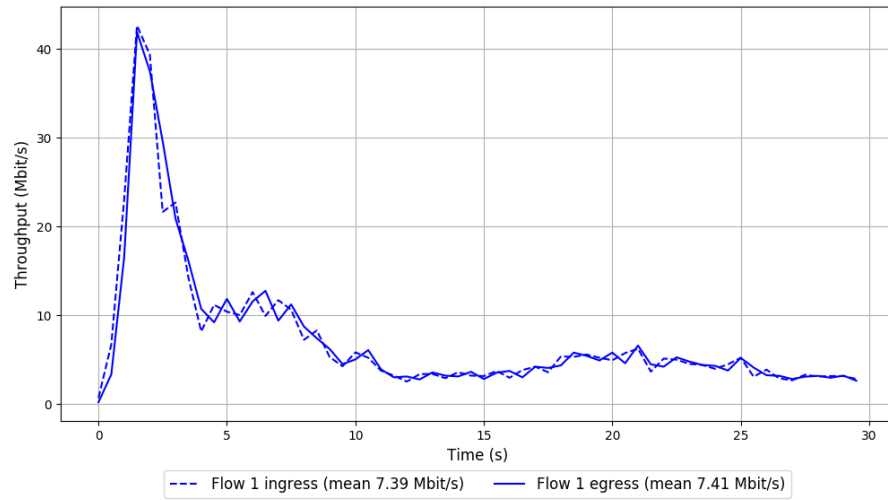
-- Flow 1:

Average throughput: 7.41 Mbit/s

95th percentile per-packet one-way delay: 161.217 ms

Loss rate: 0.45%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2017-08-21 19:25:34

End at: 2017-08-21 19:26:04

Local clock offset: 0.012 ms

Remote clock offset: 0.246 ms

Below is generated by plot.py at 2017-08-22 01:03:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.31 Mbit/s

95th percentile per-packet one-way delay: 147.549 ms

Loss rate: 0.36%

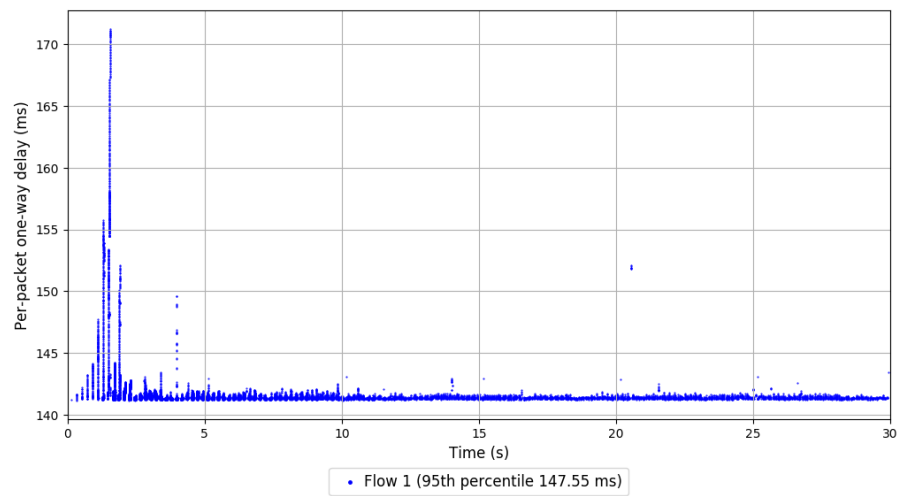
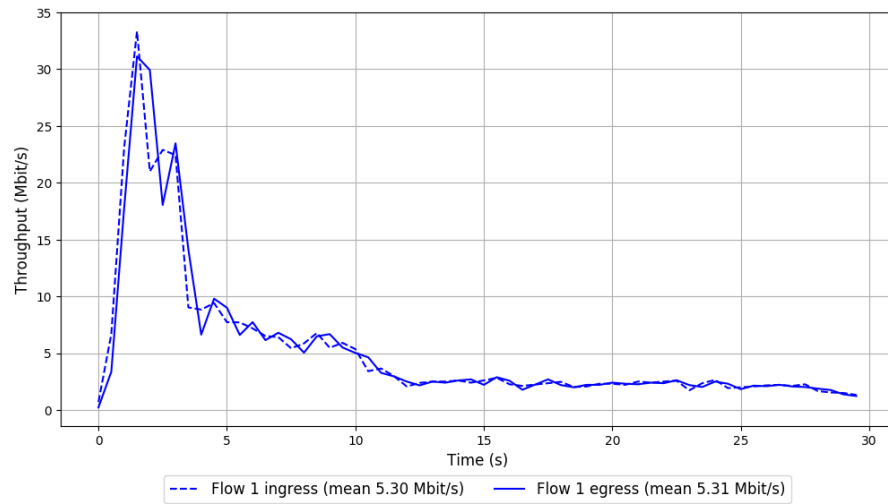
-- Flow 1:

Average throughput: 5.31 Mbit/s

95th percentile per-packet one-way delay: 147.549 ms

Loss rate: 0.36%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2017-08-21 19:46:44

End at: 2017-08-21 19:47:14

Local clock offset: 0.047 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2017-08-22 01:03:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.86 Mbit/s

95th percentile per-packet one-way delay: 173.525 ms

Loss rate: 0.87%

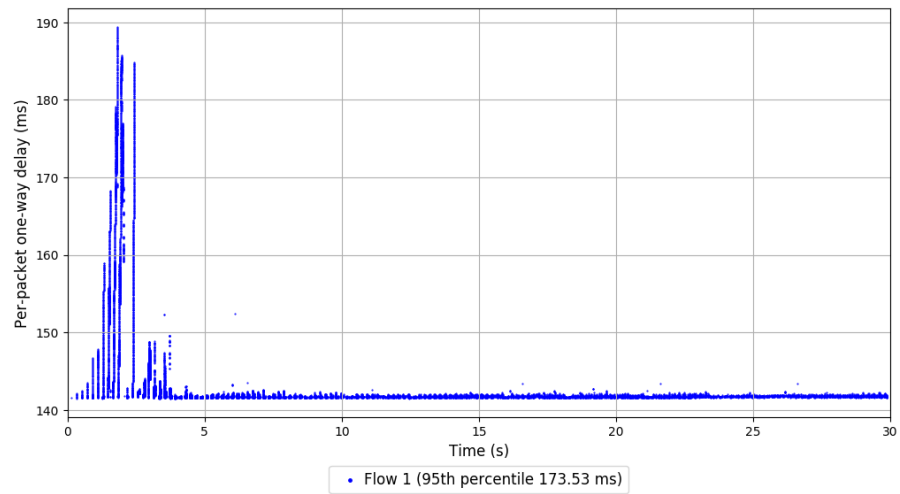
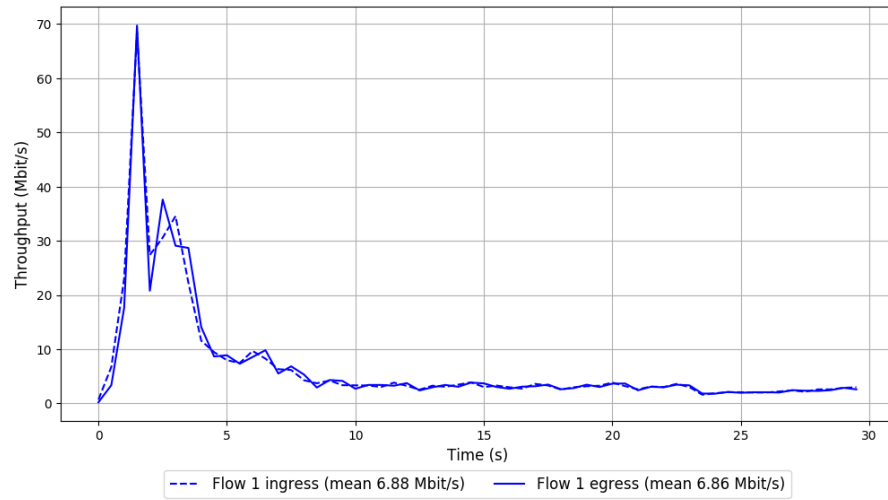
-- Flow 1:

Average throughput: 6.86 Mbit/s

95th percentile per-packet one-way delay: 173.525 ms

Loss rate: 0.87%

Run 6: Report of TCP Cubic — Data Link

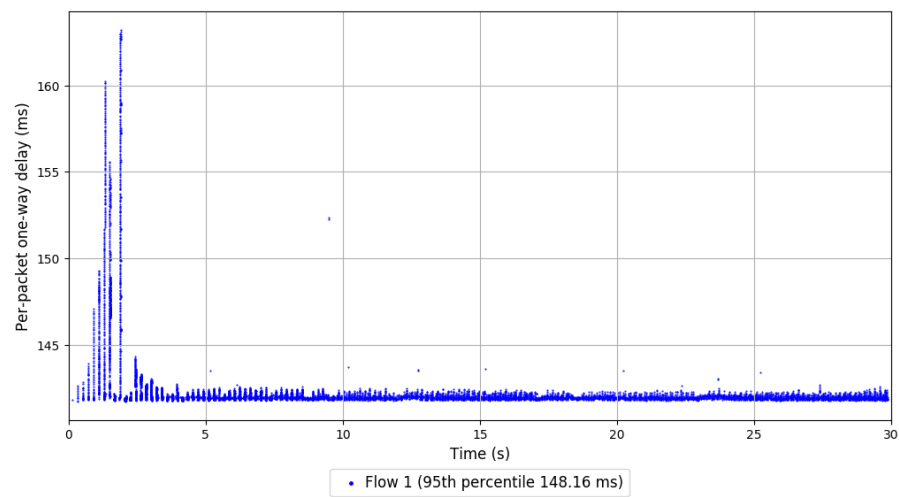
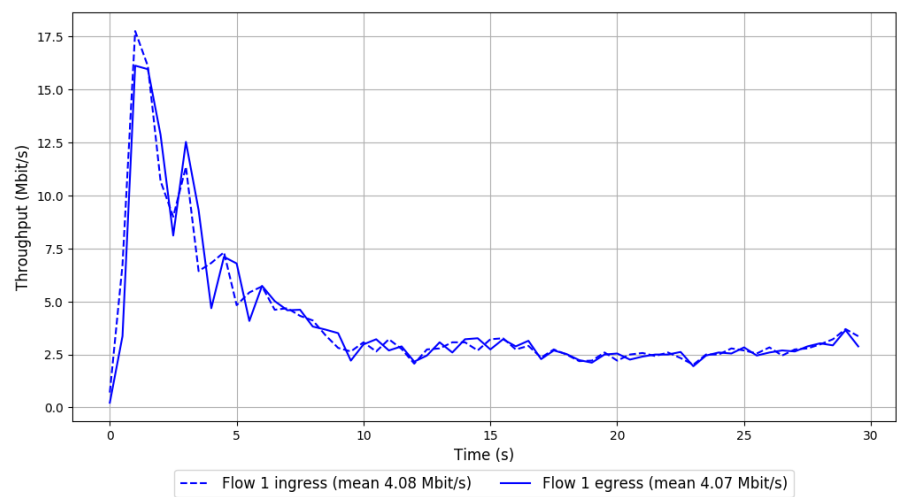


Run 7: Statistics of TCP Cubic

Start at: 2017-08-21 20:08:26
End at: 2017-08-21 20:08:56
Local clock offset: -0.146 ms
Remote clock offset: -0.352 ms

Below is generated by plot.py at 2017-08-22 01:03:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 148.155 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 148.155 ms
Loss rate: 0.78%

Run 7: Report of TCP Cubic — Data Link

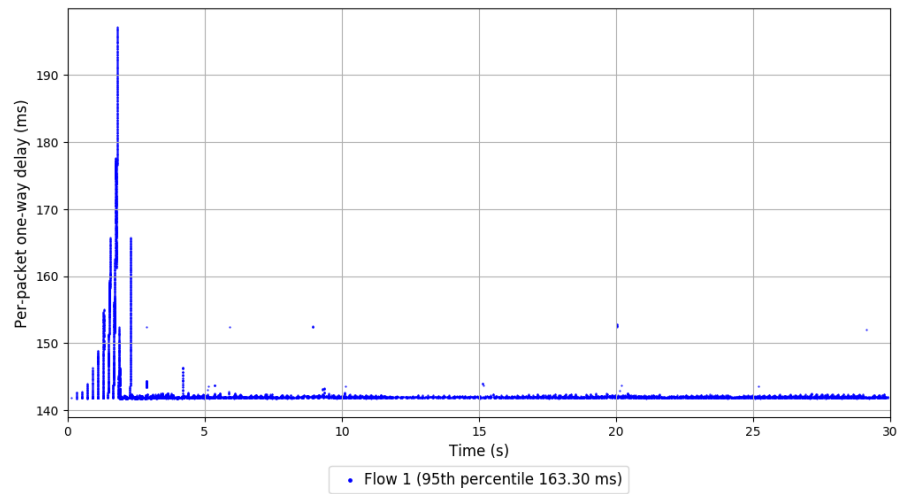
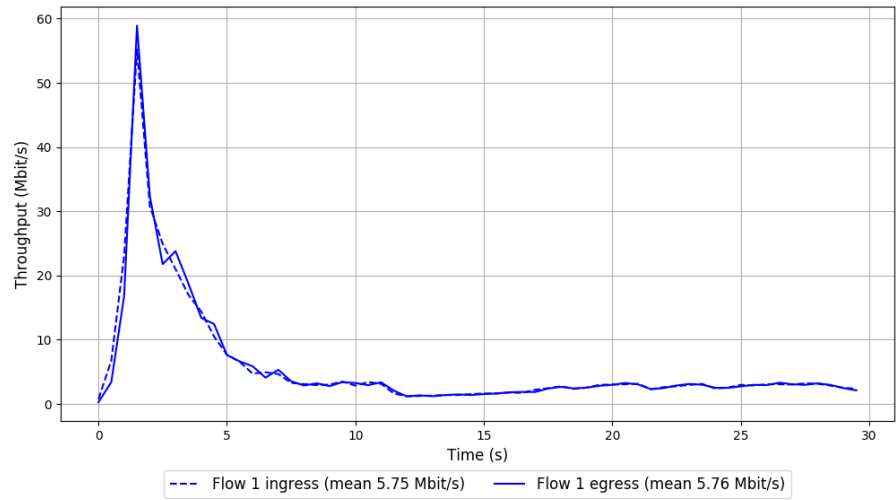


Run 8: Statistics of TCP Cubic

Start at: 2017-08-21 20:29:26
End at: 2017-08-21 20:29:56
Local clock offset: -0.044 ms
Remote clock offset: -0.678 ms

Below is generated by plot.py at 2017-08-22 01:03:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.76 Mbit/s
95th percentile per-packet one-way delay: 163.297 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 5.76 Mbit/s
95th percentile per-packet one-way delay: 163.297 ms
Loss rate: 0.47%

Run 8: Report of TCP Cubic — Data Link

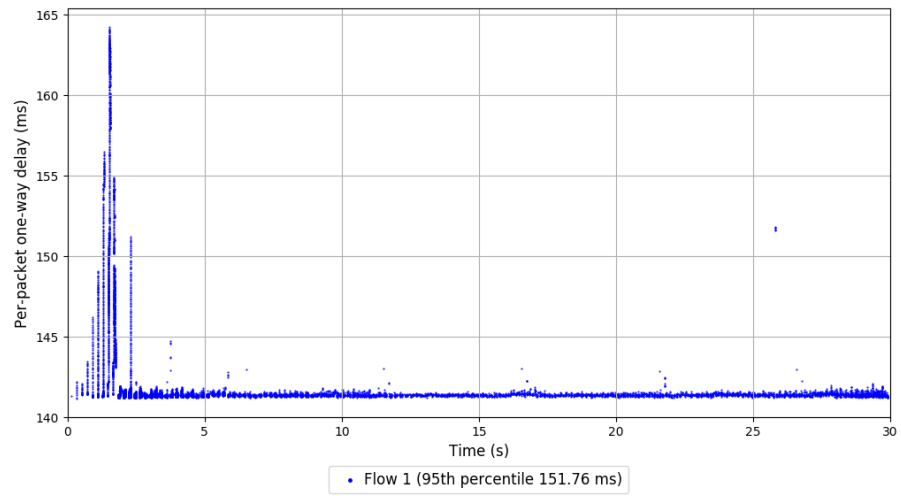
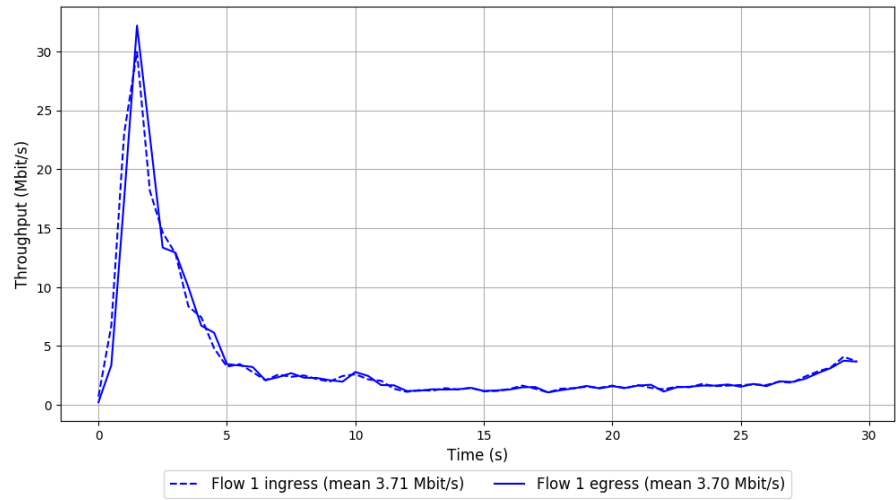


Run 9: Statistics of TCP Cubic

Start at: 2017-08-21 20:51:15
End at: 2017-08-21 20:51:45
Local clock offset: 0.237 ms
Remote clock offset: -0.875 ms

Below is generated by plot.py at 2017-08-22 01:03:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 151.757 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 151.757 ms
Loss rate: 0.80%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-08-21 21:12:35

End at: 2017-08-21 21:13:05

Local clock offset: 0.709 ms

Remote clock offset: -1.079 ms

Below is generated by plot.py at 2017-08-22 01:03:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.30 Mbit/s

95th percentile per-packet one-way delay: 144.624 ms

Loss rate: 0.64%

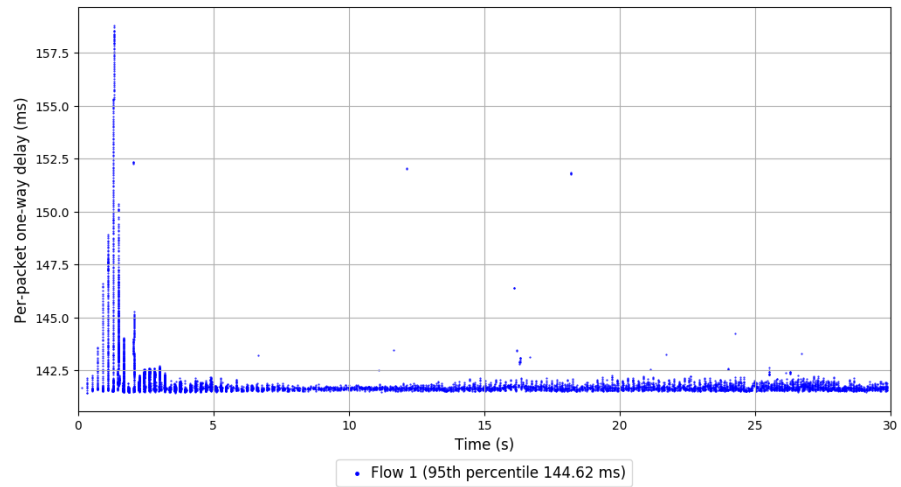
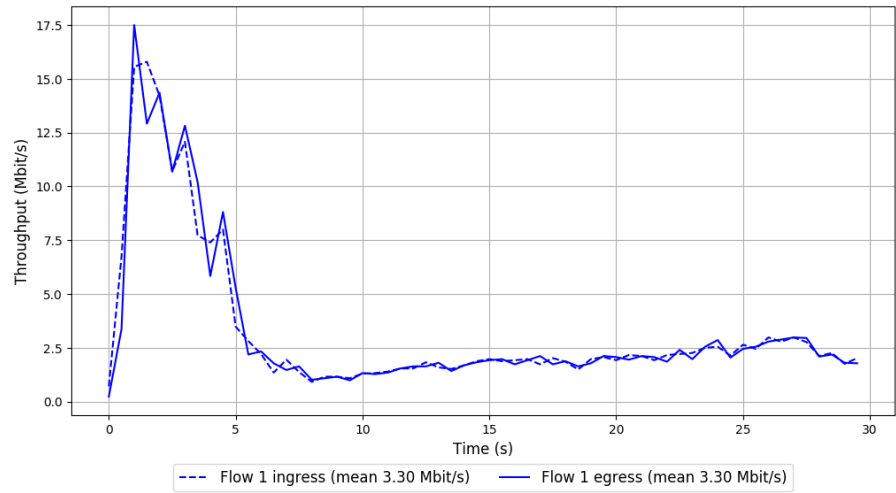
-- Flow 1:

Average throughput: 3.30 Mbit/s

95th percentile per-packet one-way delay: 144.624 ms

Loss rate: 0.64%

Run 10: Report of TCP Cubic — Data Link

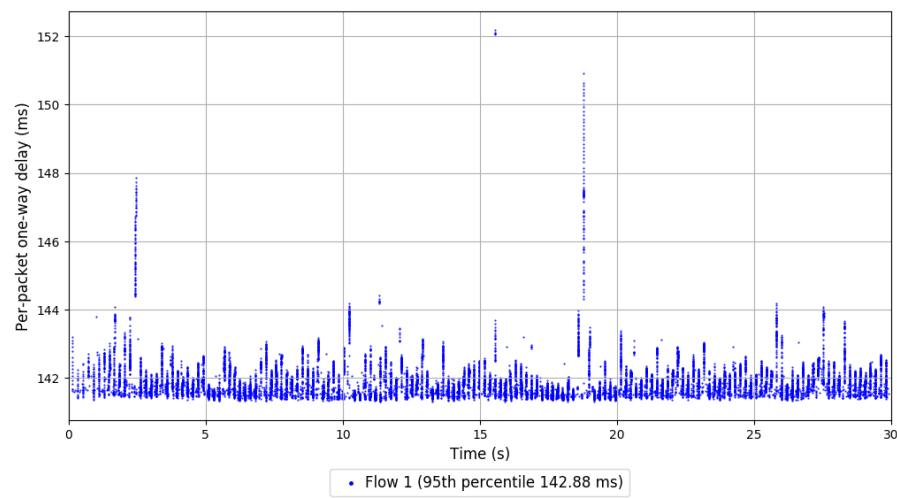
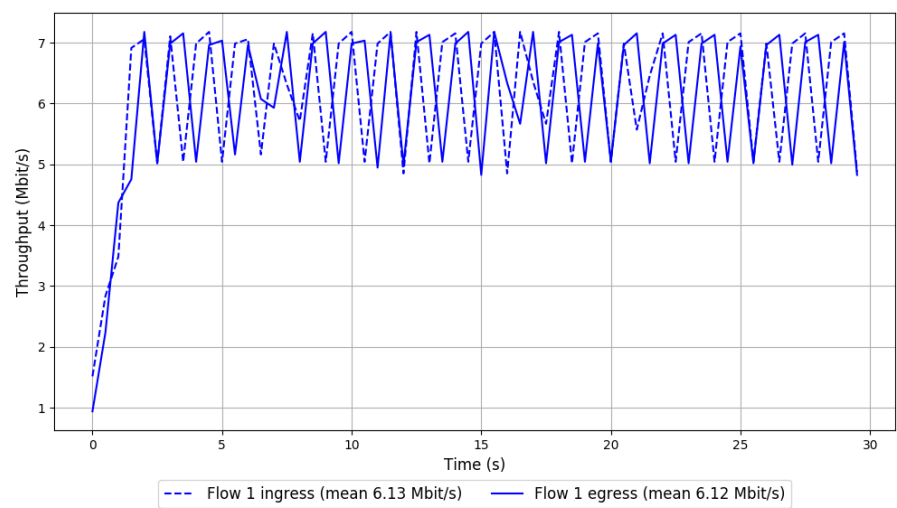


Run 1: Statistics of KohoCC

Start at: 2017-08-21 17:57:09
End at: 2017-08-21 17:57:39
Local clock offset: 1.239 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2017-08-22 01:03:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 142.876 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 142.876 ms
Loss rate: 0.86%

Run 1: Report of KohoCC — Data Link

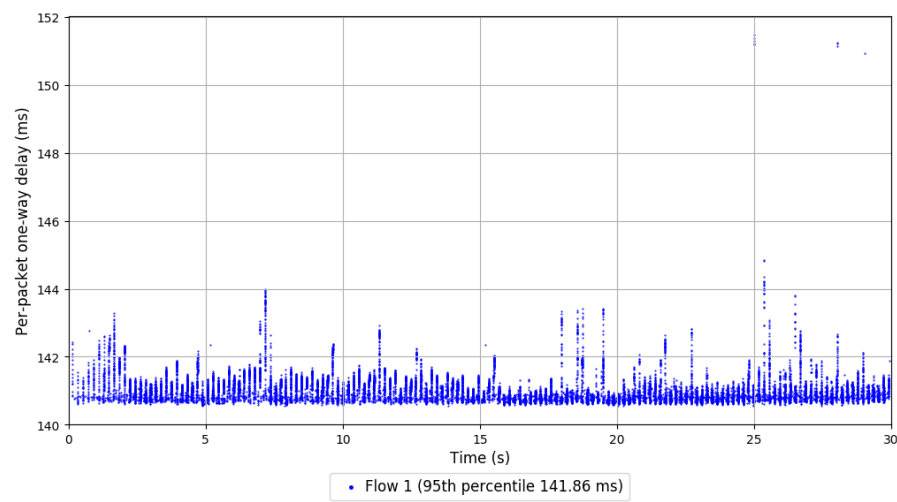
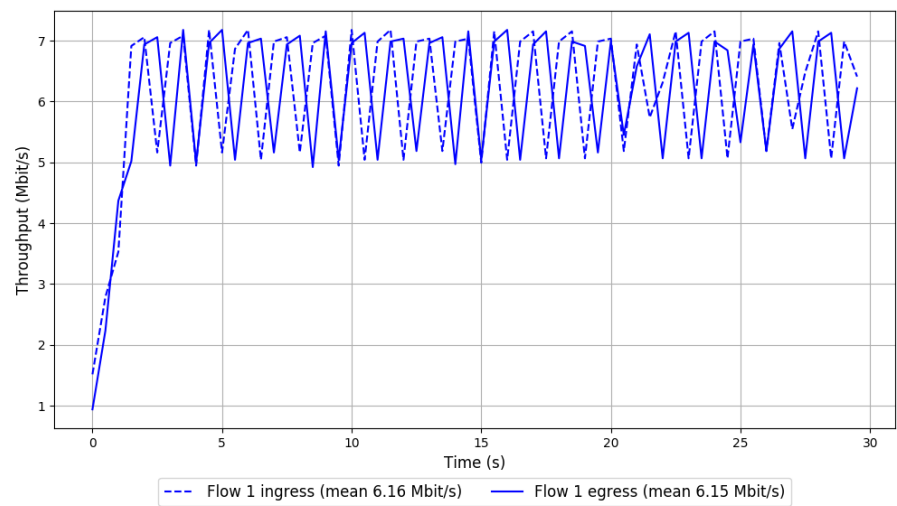


```
Run 2: Statistics of KohoCC

Start at: 2017-08-21 18:18:33
End at: 2017-08-21 18:19:03
Local clock offset: 0.427 ms
Remote clock offset: 0.12 ms

# Below is generated by plot.py at 2017-08-22 01:03:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.15 Mbit/s
95th percentile per-packet one-way delay: 141.856 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 6.15 Mbit/s
95th percentile per-packet one-way delay: 141.856 ms
Loss rate: 0.82%
```

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: 2017-08-21 18:40:04

End at: 2017-08-21 18:40:35

Local clock offset: 0.852 ms

Remote clock offset: 0.279 ms

Below is generated by plot.py at 2017-08-22 01:03:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.13 Mbit/s

95th percentile per-packet one-way delay: 142.802 ms

Loss rate: 0.78%

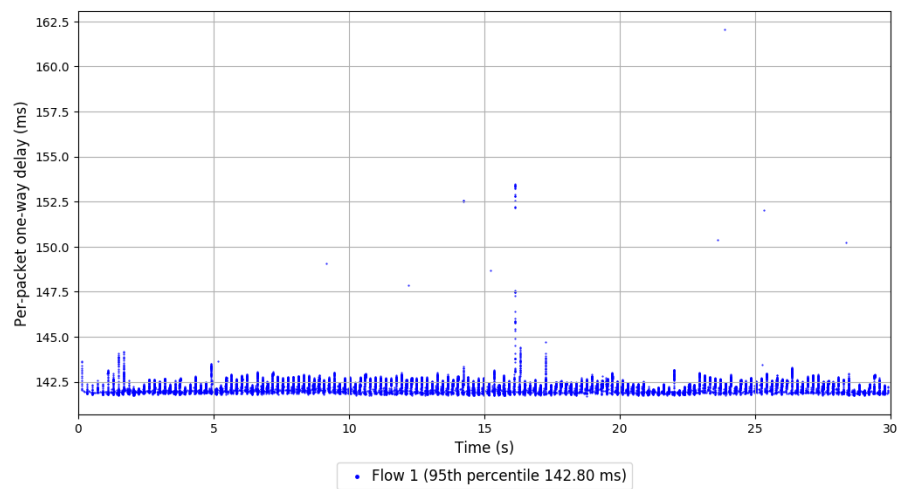
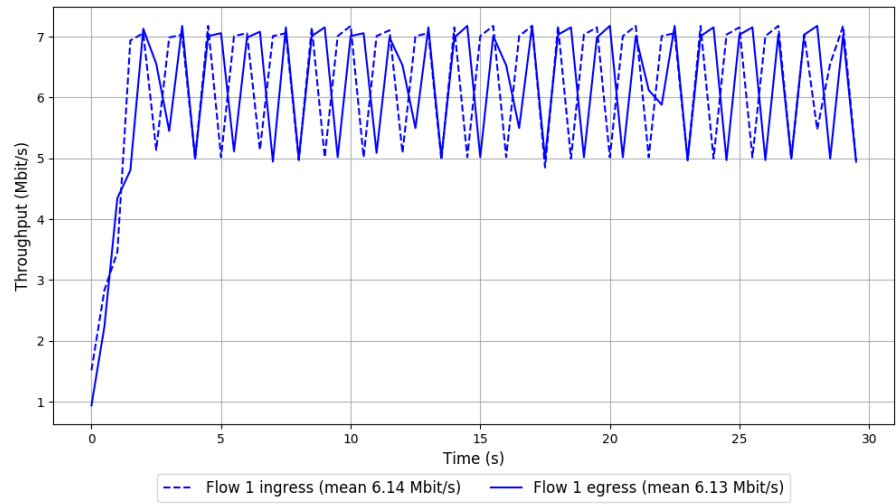
-- Flow 1:

Average throughput: 6.13 Mbit/s

95th percentile per-packet one-way delay: 142.802 ms

Loss rate: 0.78%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: 2017-08-21 19:01:00

End at: 2017-08-21 19:01:30

Local clock offset: 0.967 ms

Remote clock offset: 0.388 ms

Below is generated by plot.py at 2017-08-22 01:03:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.12 Mbit/s

95th percentile per-packet one-way delay: 143.290 ms

Loss rate: 0.82%

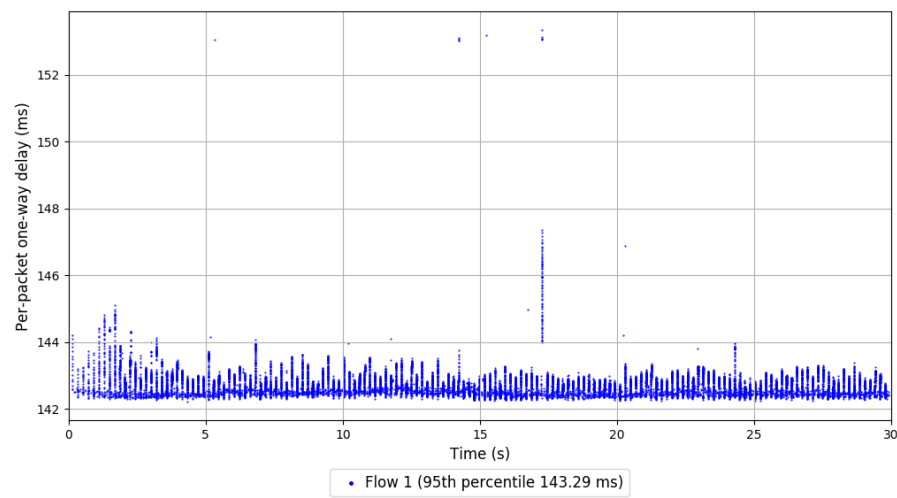
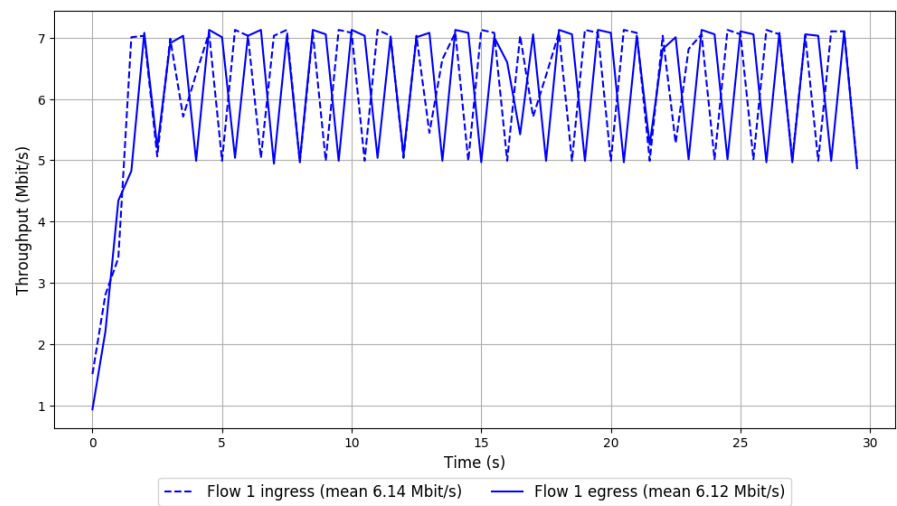
-- Flow 1:

Average throughput: 6.12 Mbit/s

95th percentile per-packet one-way delay: 143.290 ms

Loss rate: 0.82%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: 2017-08-21 19:22:59

End at: 2017-08-21 19:23:29

Local clock offset: 0.065 ms

Remote clock offset: 0.321 ms

Below is generated by plot.py at 2017-08-22 01:03:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.12 Mbit/s

95th percentile per-packet one-way delay: 142.917 ms

Loss rate: 0.84%

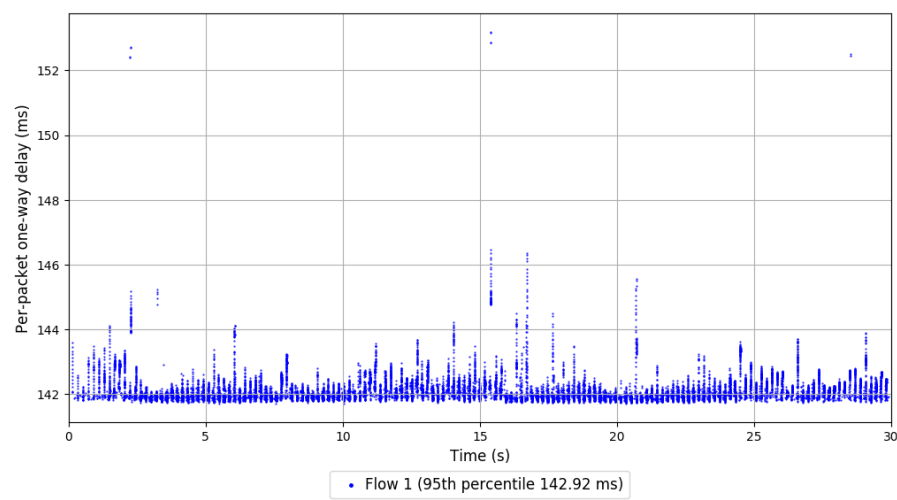
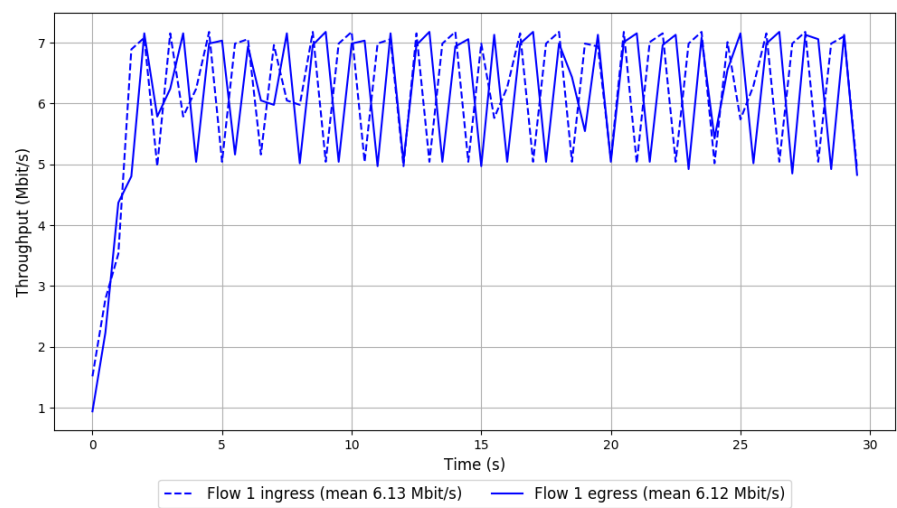
-- Flow 1:

Average throughput: 6.12 Mbit/s

95th percentile per-packet one-way delay: 142.917 ms

Loss rate: 0.84%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: 2017-08-21 19:44:12

End at: 2017-08-21 19:44:42

Local clock offset: 0.041 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2017-08-22 01:03:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.13 Mbit/s

95th percentile per-packet one-way delay: 142.725 ms

Loss rate: 0.82%

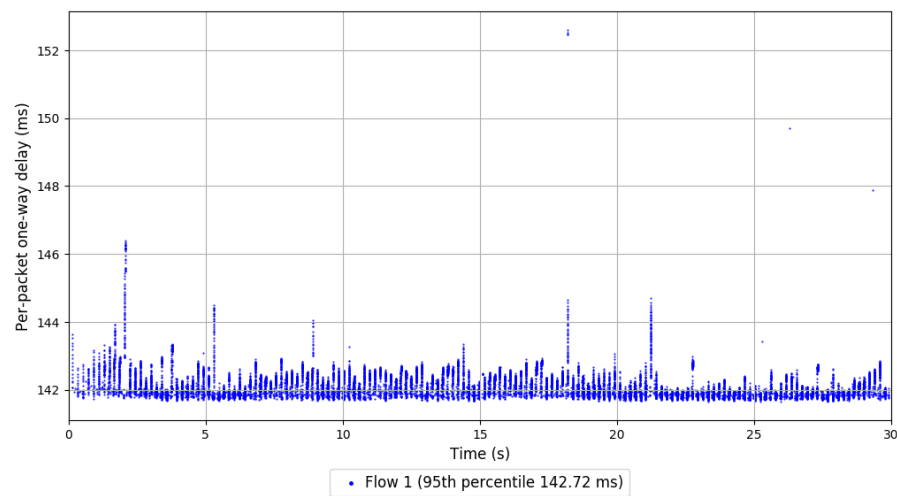
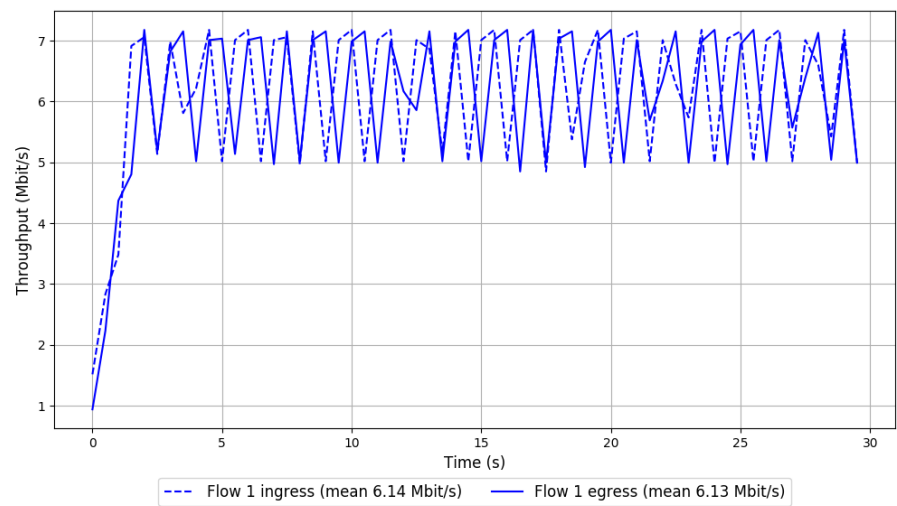
-- Flow 1:

Average throughput: 6.13 Mbit/s

95th percentile per-packet one-way delay: 142.725 ms

Loss rate: 0.82%

Run 6: Report of KohoCC — Data Link

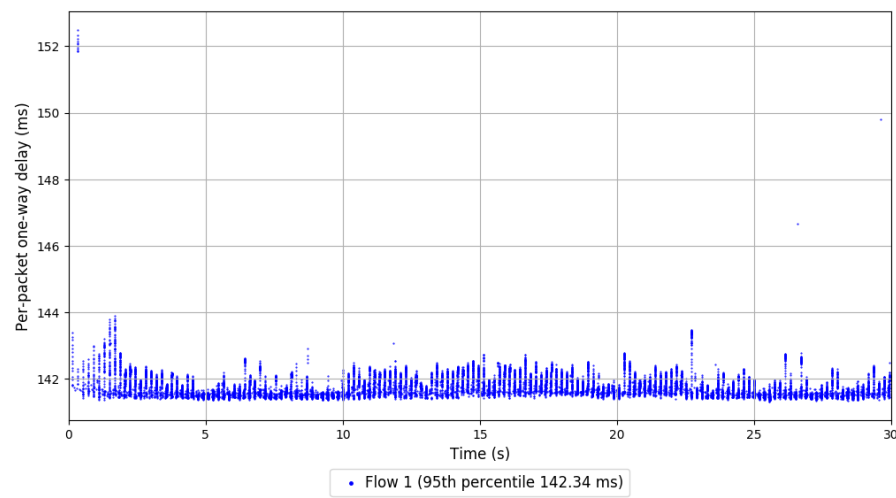
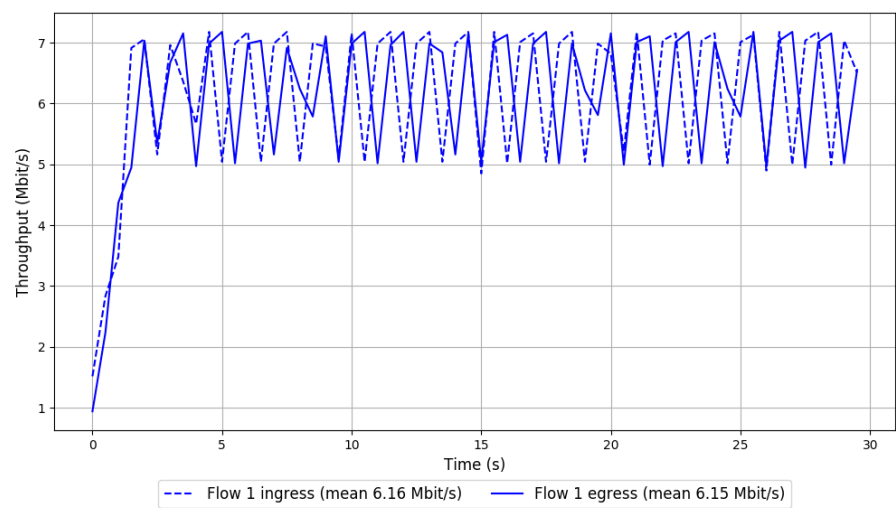


Run 7: Statistics of KohoCC

Start at: 2017-08-21 20:05:52
End at: 2017-08-21 20:06:22
Local clock offset: 0.045 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2017-08-22 01:03:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.15 Mbit/s
95th percentile per-packet one-way delay: 142.345 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 6.15 Mbit/s
95th percentile per-packet one-way delay: 142.345 ms
Loss rate: 0.76%

Run 7: Report of KohoCC — Data Link

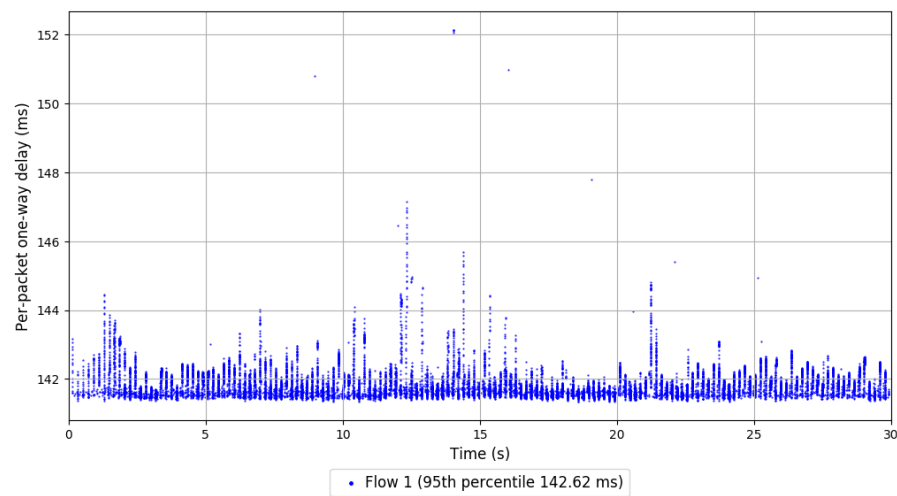
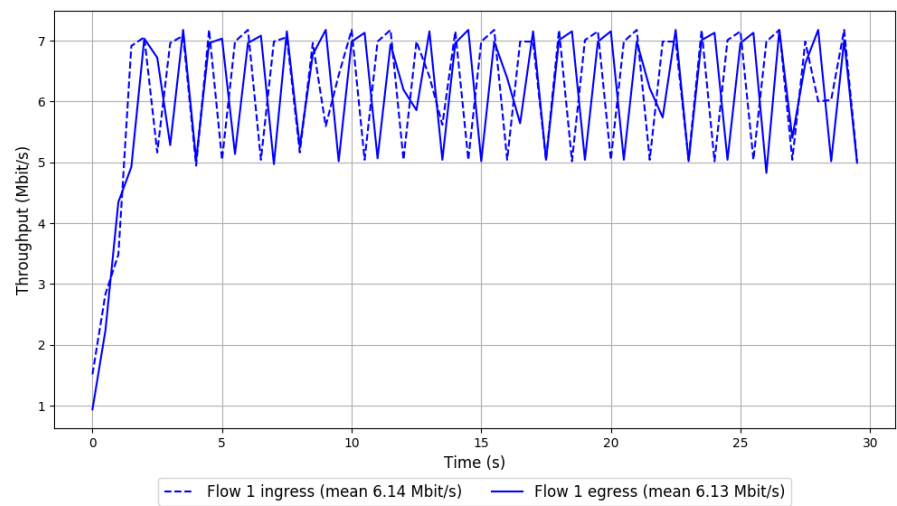


Run 8: Statistics of KohoCC

Start at: 2017-08-21 20:26:55
End at: 2017-08-21 20:27:25
Local clock offset: -0.149 ms
Remote clock offset: -0.617 ms

Below is generated by plot.py at 2017-08-22 01:03:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.13 Mbit/s
95th percentile per-packet one-way delay: 142.618 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 6.13 Mbit/s
95th percentile per-packet one-way delay: 142.618 ms
Loss rate: 0.78%

Run 8: Report of KohoCC — Data Link

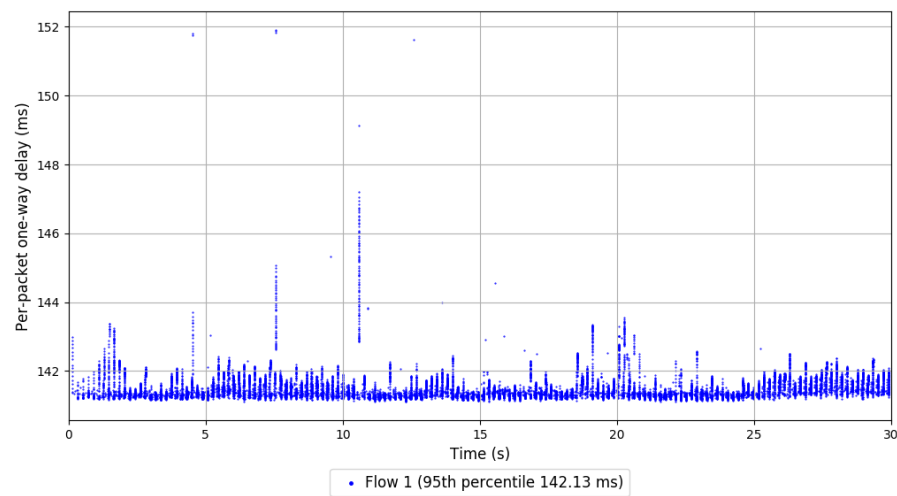
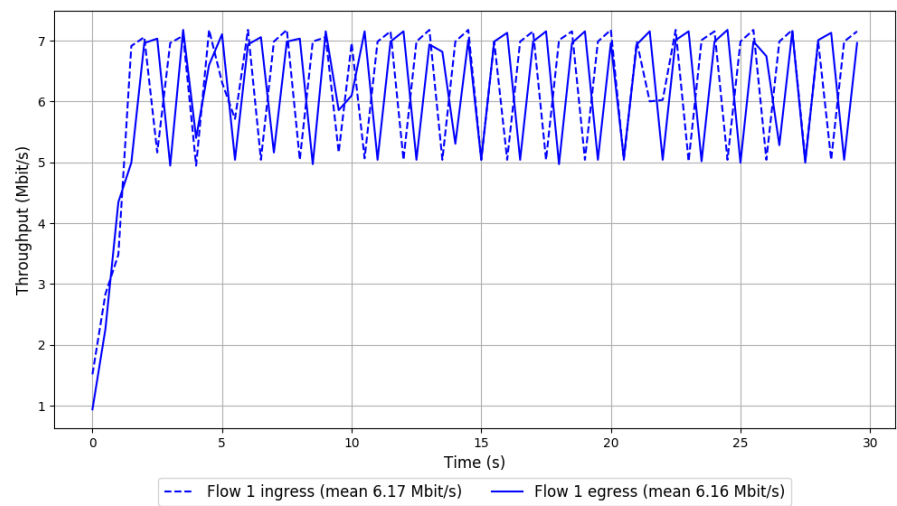


Run 9: Statistics of KohoCC

Start at: 2017-08-21 20:48:41
End at: 2017-08-21 20:49:11
Local clock offset: 0.189 ms
Remote clock offset: -0.851 ms

Below is generated by plot.py at 2017-08-22 01:03:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 142.130 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 142.130 ms
Loss rate: 0.88%

Run 9: Report of KohoCC — Data Link

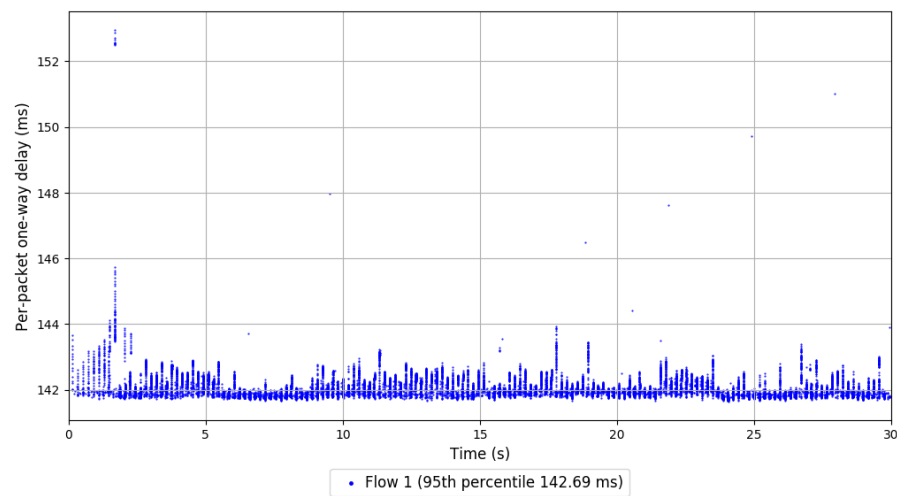
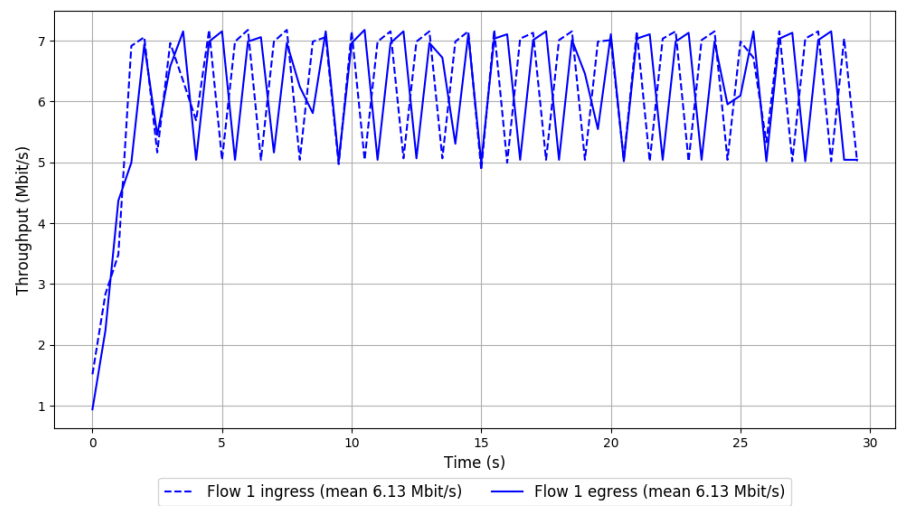


Run 10: Statistics of KohoCC

Start at: 2017-08-21 21:09:51
End at: 2017-08-21 21:10:21
Local clock offset: 0.681 ms
Remote clock offset: -1.042 ms

Below is generated by plot.py at 2017-08-22 01:03:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.13 Mbit/s
95th percentile per-packet one-way delay: 142.687 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 6.13 Mbit/s
95th percentile per-packet one-way delay: 142.687 ms
Loss rate: 0.72%

Run 10: Report of KohoCC — Data Link

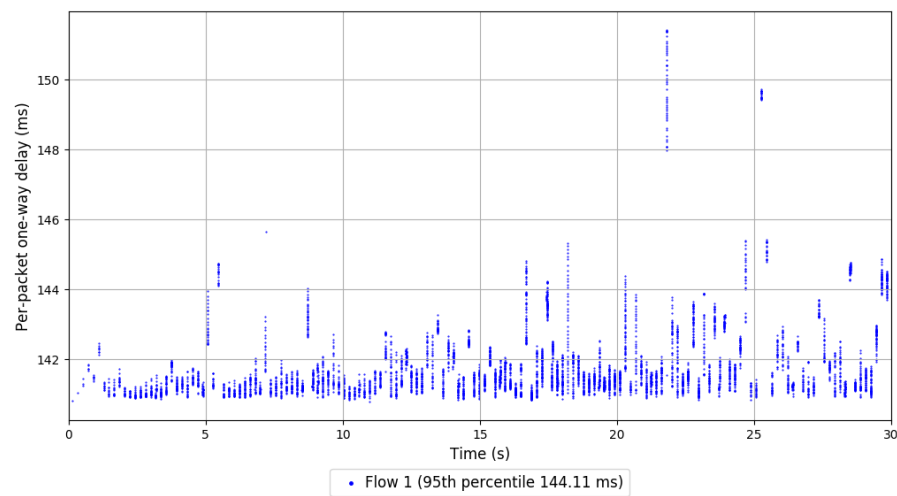
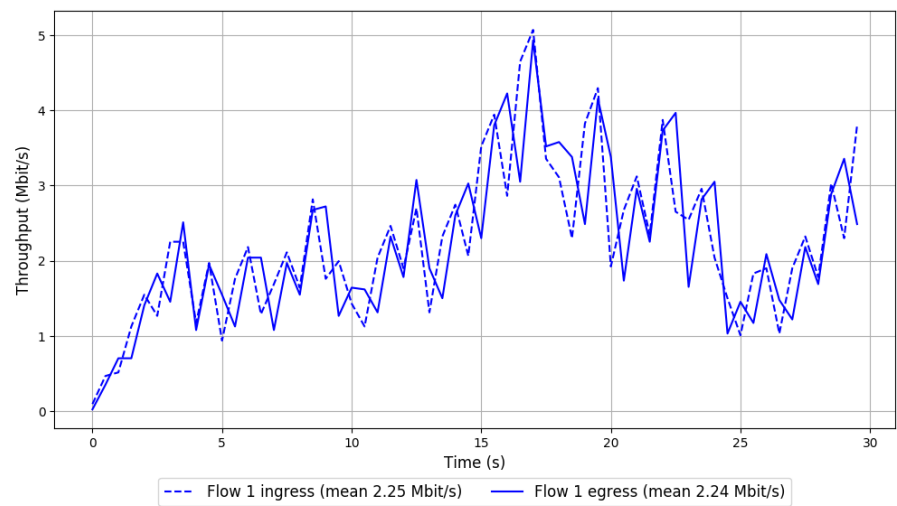


Run 1: Statistics of LEDBAT

Start at: 2017-08-21 17:47:05
End at: 2017-08-21 17:47:36
Local clock offset: 1.445 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2017-08-22 01:03:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 144.112 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 144.112 ms
Loss rate: 1.19%

Run 1: Report of LEDBAT — Data Link

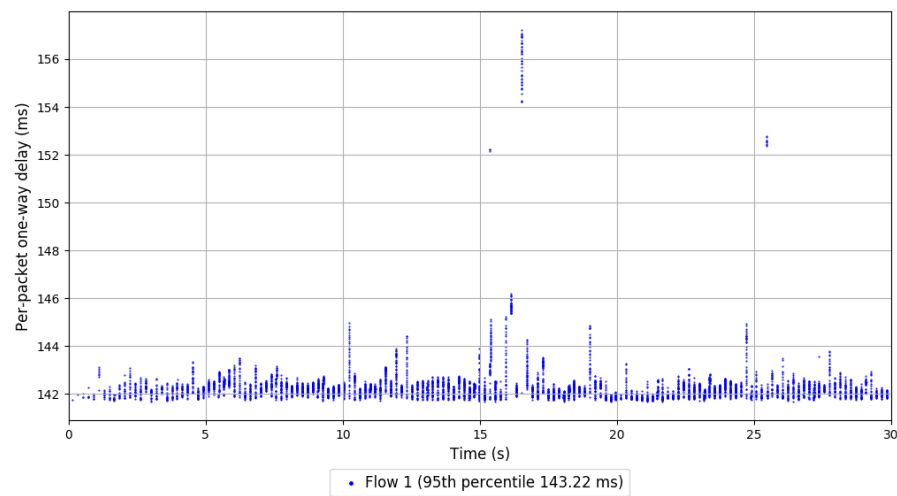
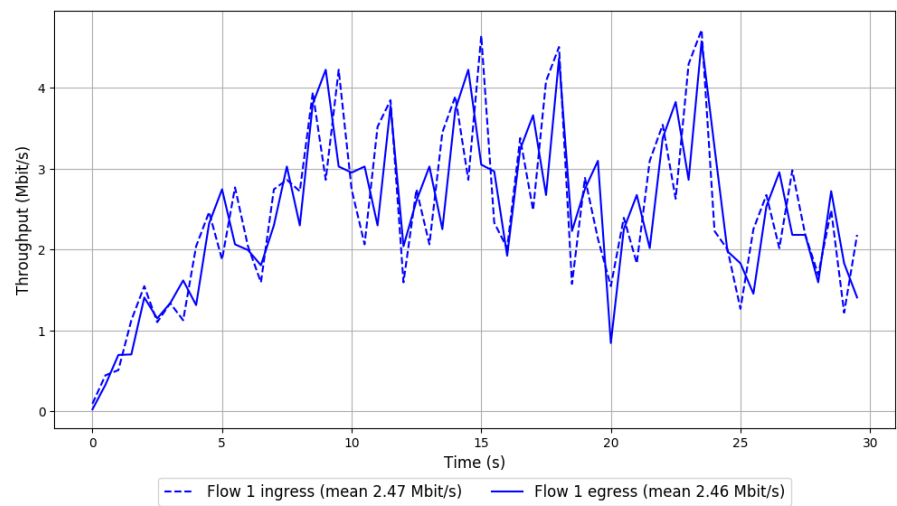


```
Run 2: Statistics of LEDBAT

Start at: 2017-08-21 18:08:33
End at: 2017-08-21 18:09:03
Local clock offset: 1.169 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2017-08-22 01:03:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 143.225 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 143.225 ms
Loss rate: 0.72%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2017-08-21 18:30:02

End at: 2017-08-21 18:30:32

Local clock offset: 1.049 ms

Remote clock offset: 0.277 ms

Below is generated by plot.py at 2017-08-22 01:03:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 142.919 ms

Loss rate: 0.90%

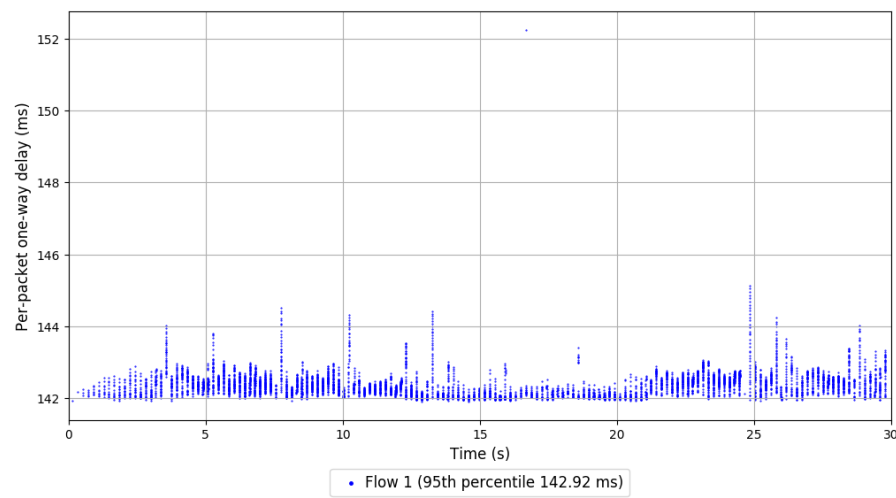
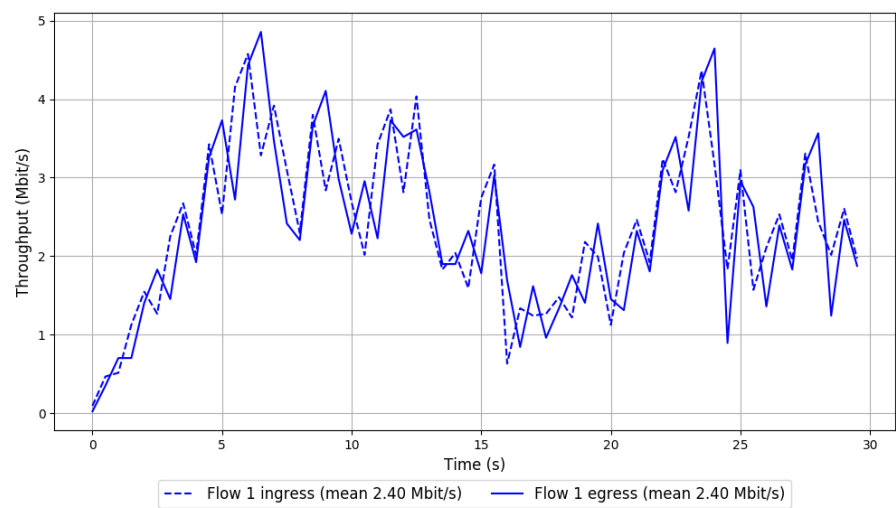
-- Flow 1:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 142.919 ms

Loss rate: 0.90%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-08-21 18:51:04

End at: 2017-08-21 18:51:34

Local clock offset: 0.329 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2017-08-22 01:03:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.60 Mbit/s

95th percentile per-packet one-way delay: 142.745 ms

Loss rate: 0.98%

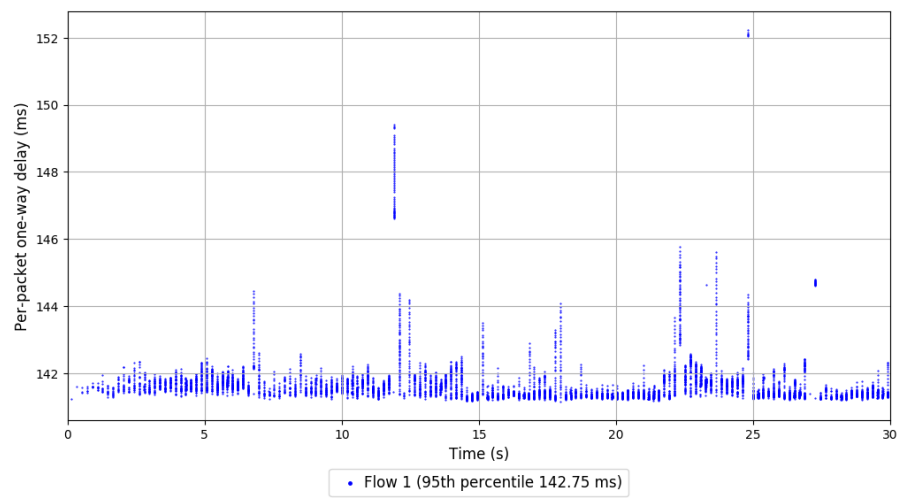
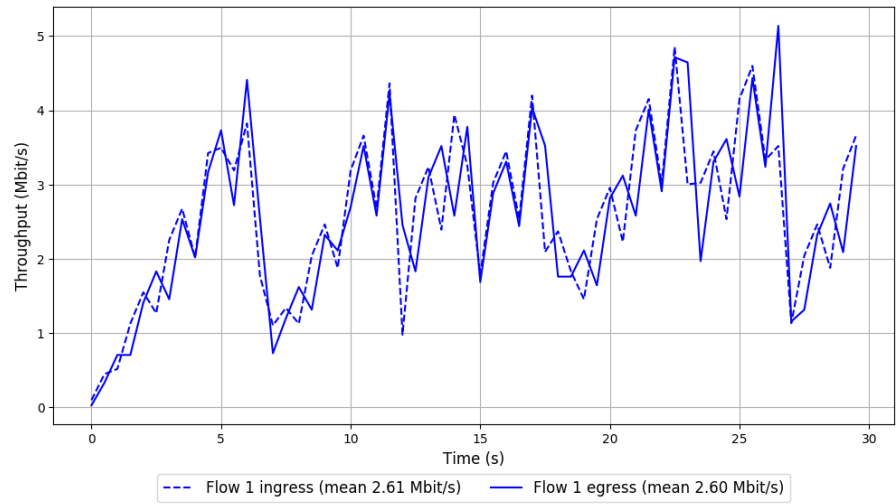
-- Flow 1:

Average throughput: 2.60 Mbit/s

95th percentile per-packet one-way delay: 142.745 ms

Loss rate: 0.98%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2017-08-21 19:12:33

End at: 2017-08-21 19:13:03

Local clock offset: -0.455 ms

Remote clock offset: 0.469 ms

Below is generated by plot.py at 2017-08-22 01:03:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 141.507 ms

Loss rate: 0.98%

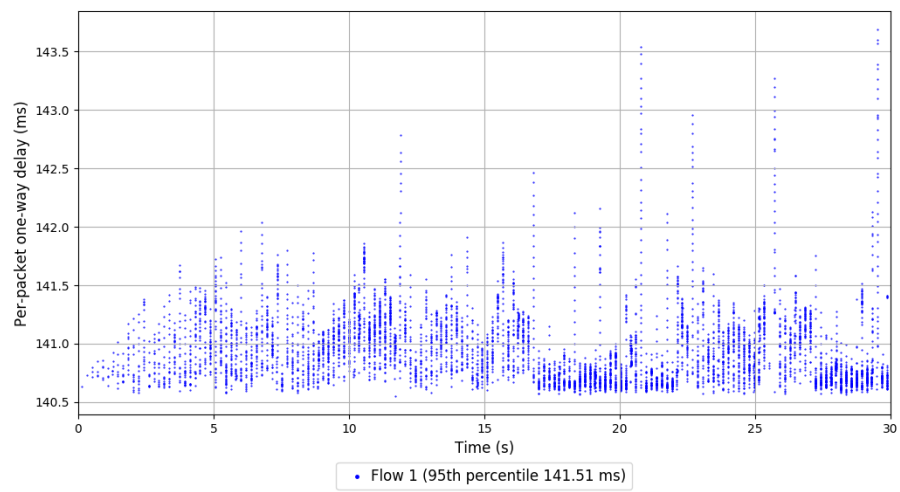
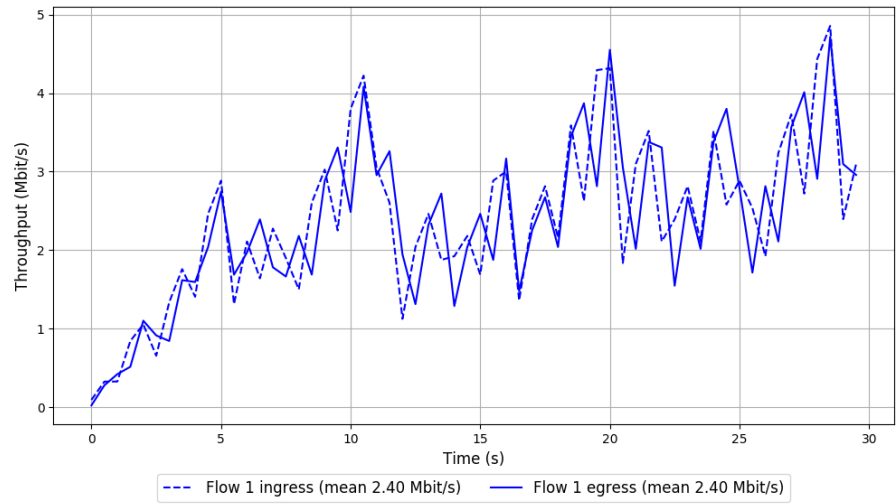
-- Flow 1:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 141.507 ms

Loss rate: 0.98%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-08-21 19:34:16

End at: 2017-08-21 19:34:46

Local clock offset: 0.773 ms

Remote clock offset: 0.188 ms

Below is generated by plot.py at 2017-08-22 01:03:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 143.531 ms

Loss rate: 0.58%

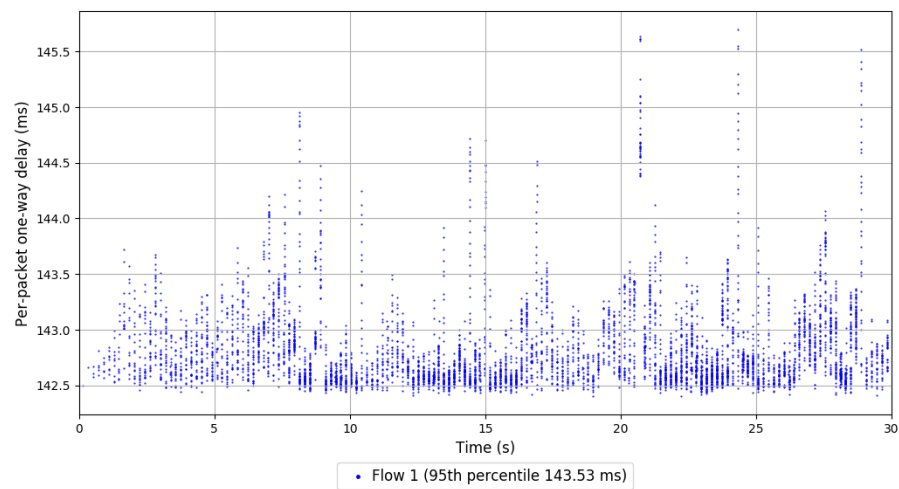
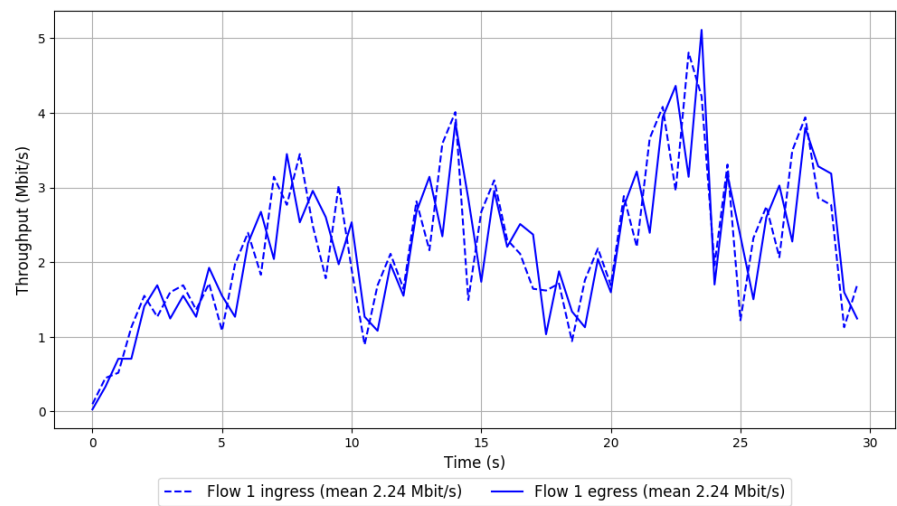
-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 143.531 ms

Loss rate: 0.58%

Run 6: Report of LEDBAT — Data Link

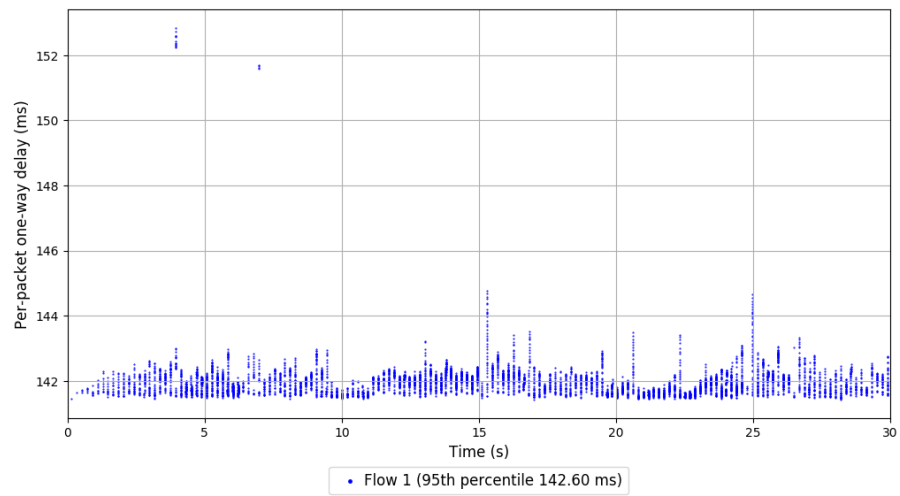
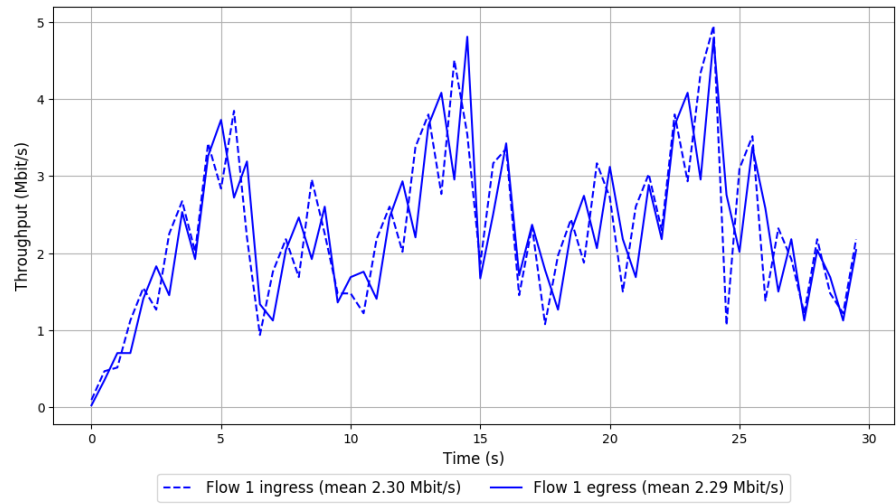


Run 7: Statistics of LEDBAT

Start at: 2017-08-21 19:55:36
End at: 2017-08-21 19:56:06
Local clock offset: 0.005 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2017-08-22 01:03:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 142.605 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 142.605 ms
Loss rate: 0.77%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2017-08-21 20:17:04

End at: 2017-08-21 20:17:34

Local clock offset: -0.15 ms

Remote clock offset: -0.504 ms

Run 8: Report of LEDBAT — Data Link

Figure is missing

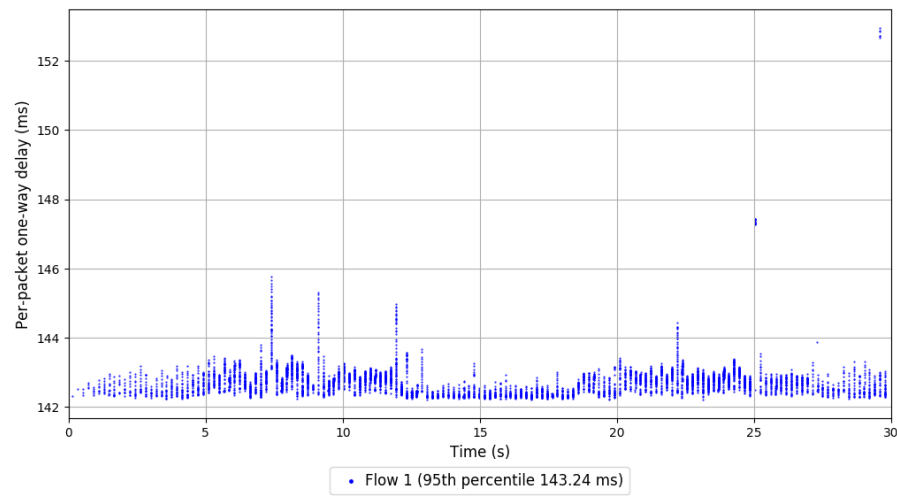
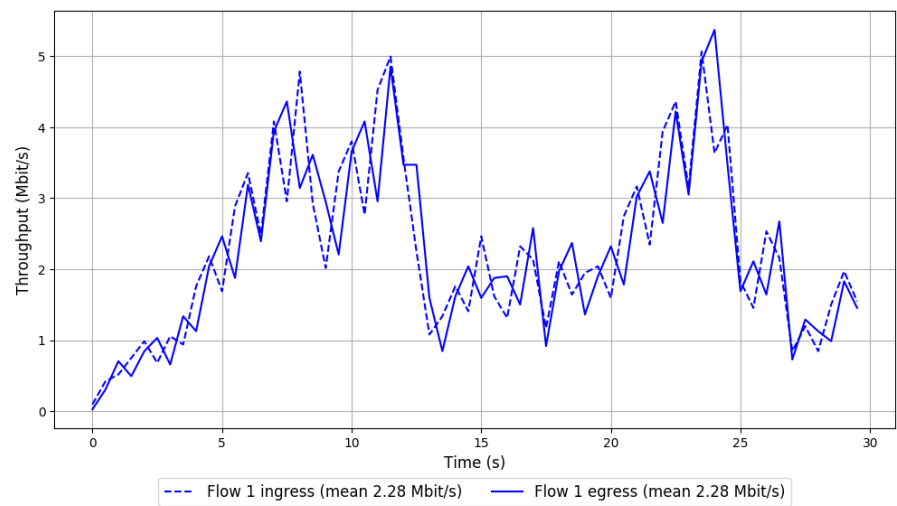
Figure is missing

Run 9: Statistics of LEDBAT

Start at: 2017-08-21 20:38:24
End at: 2017-08-21 20:38:54
Local clock offset: 0.764 ms
Remote clock offset: -0.822 ms

Below is generated by plot.py at 2017-08-22 01:03:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 143.240 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 143.240 ms
Loss rate: 0.83%

Run 9: Report of LEDBAT — Data Link

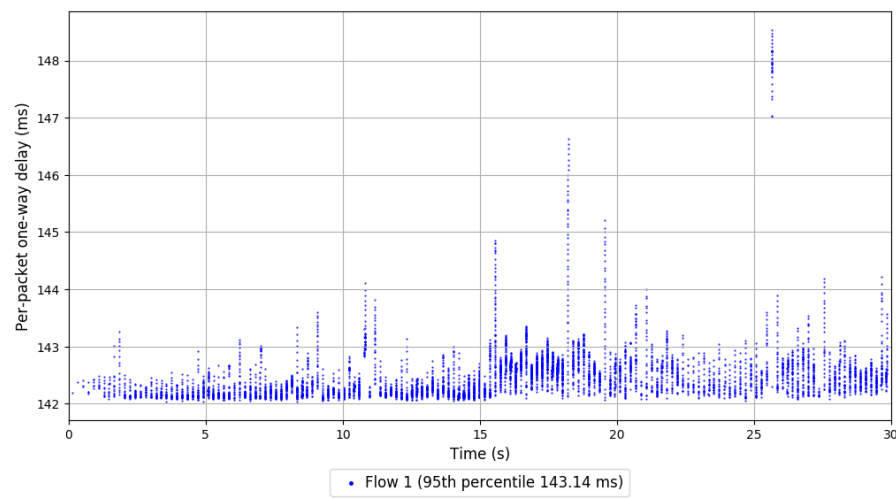
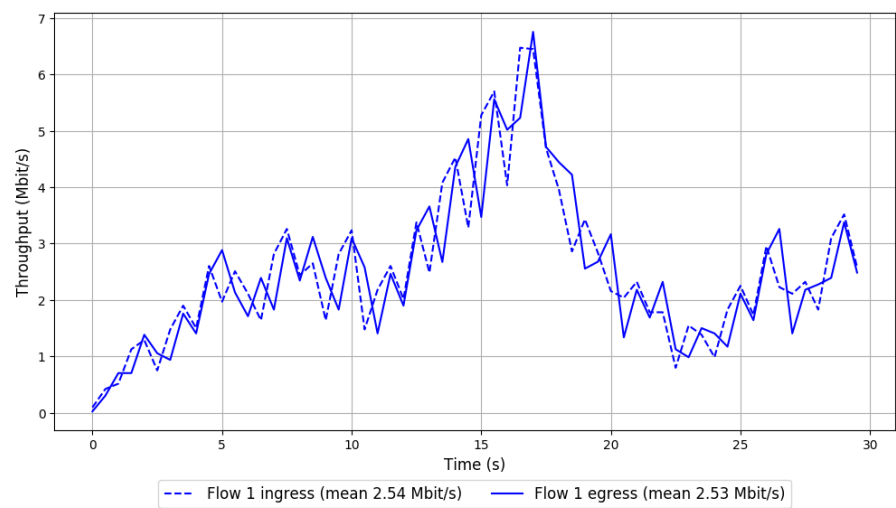


Run 10: Statistics of LEDBAT

Start at: 2017-08-21 20:59:38
End at: 2017-08-21 21:00:08
Local clock offset: 0.573 ms
Remote clock offset: -1.001 ms

Below is generated by plot.py at 2017-08-22 01:03:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 143.138 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 143.138 ms
Loss rate: 1.04%

Run 10: Report of LEDBAT — Data Link

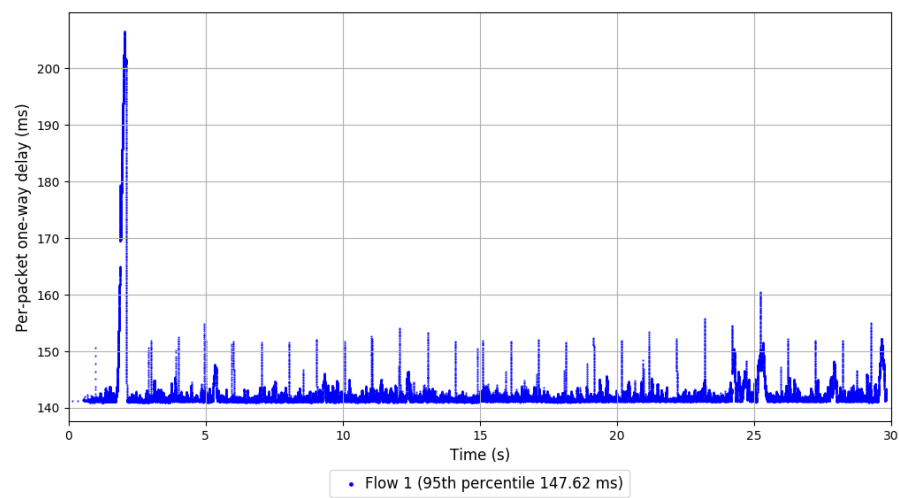
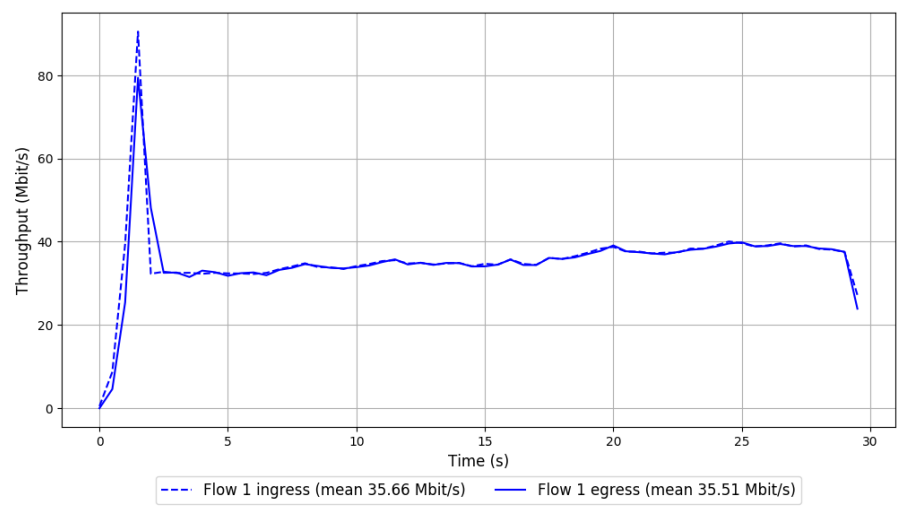


```
Run 1: Statistics of PCC

Start at: 2017-08-21 17:45:47
End at: 2017-08-21 17:46:17
Local clock offset: 1.49 ms
Remote clock offset: -0.343 ms

# Below is generated by plot.py at 2017-08-22 01:03:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 147.623 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 147.623 ms
Loss rate: 1.06%
```


Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-08-21 18:07:10

End at: 2017-08-21 18:07:40

Local clock offset: 1.3 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2017-08-22 01:03:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.47 Mbit/s

95th percentile per-packet one-way delay: 149.068 ms

Loss rate: 1.16%

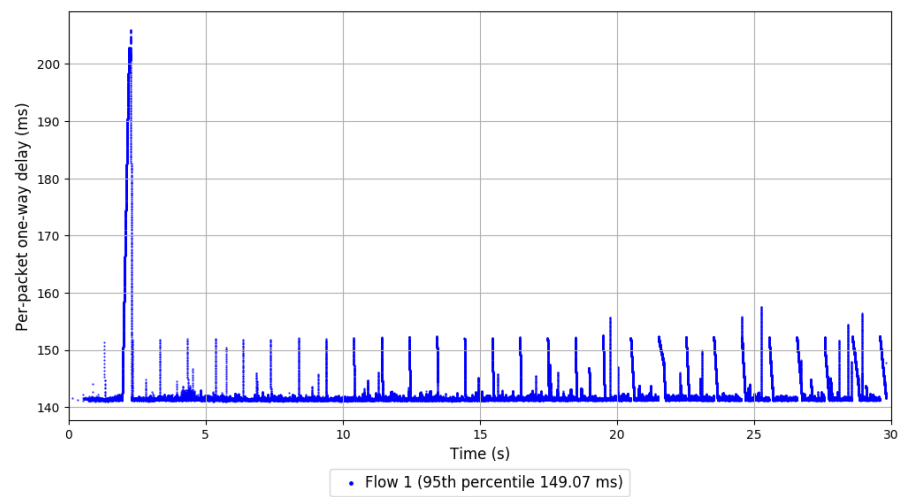
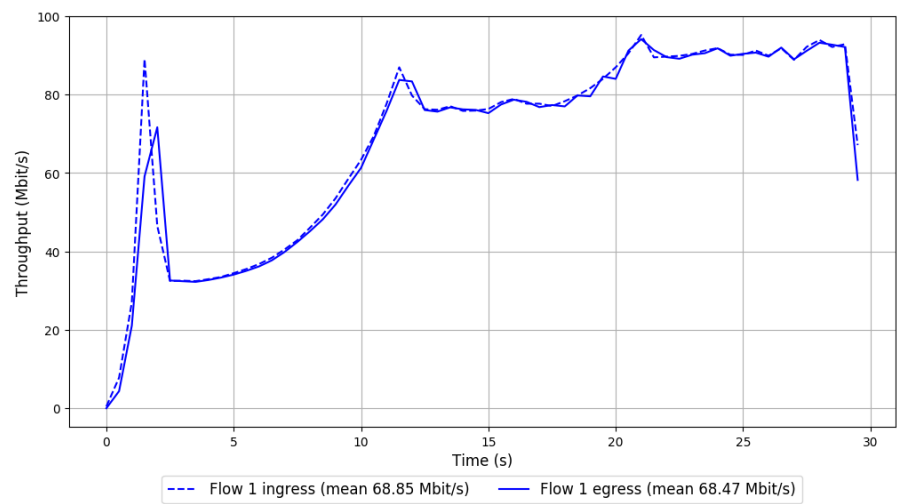
-- Flow 1:

Average throughput: 68.47 Mbit/s

95th percentile per-packet one-way delay: 149.068 ms

Loss rate: 1.16%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-08-21 18:28:33

End at: 2017-08-21 18:29:03

Local clock offset: 1.095 ms

Remote clock offset: 0.254 ms

Below is generated by plot.py at 2017-08-22 01:03:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.63 Mbit/s

95th percentile per-packet one-way delay: 151.846 ms

Loss rate: 1.12%

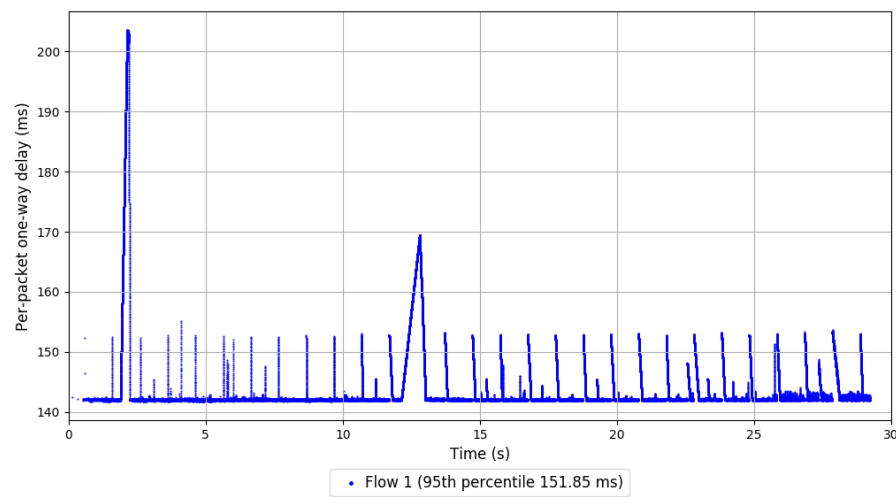
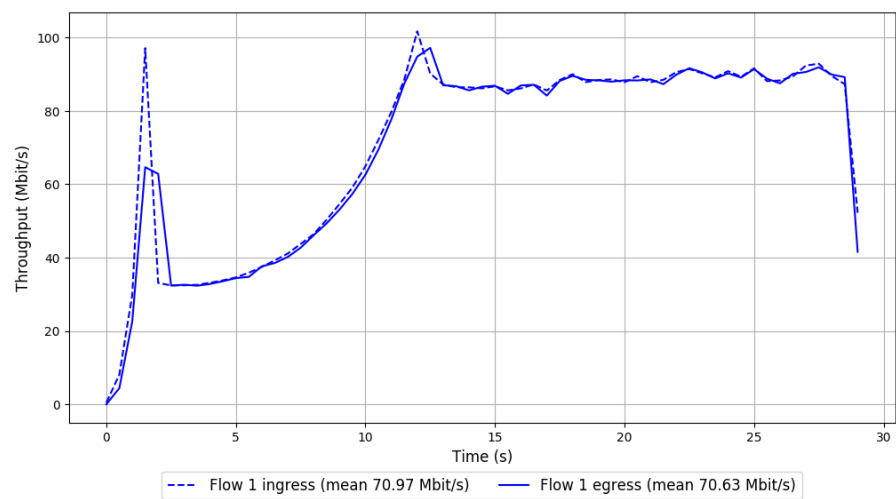
-- Flow 1:

Average throughput: 70.63 Mbit/s

95th percentile per-packet one-way delay: 151.846 ms

Loss rate: 1.12%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-08-21 18:49:35

End at: 2017-08-21 18:50:05

Local clock offset: 0.421 ms

Remote clock offset: 0.389 ms

Below is generated by plot.py at 2017-08-22 01:03:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.72 Mbit/s

95th percentile per-packet one-way delay: 149.224 ms

Loss rate: 1.15%

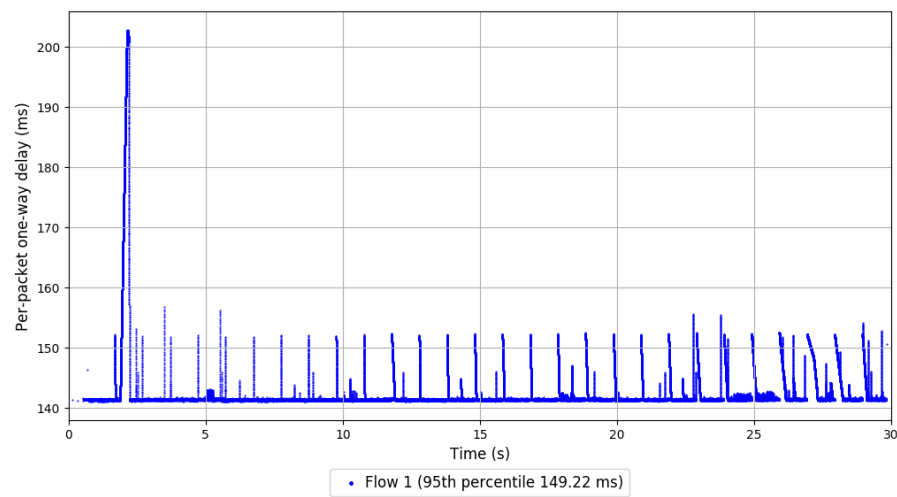
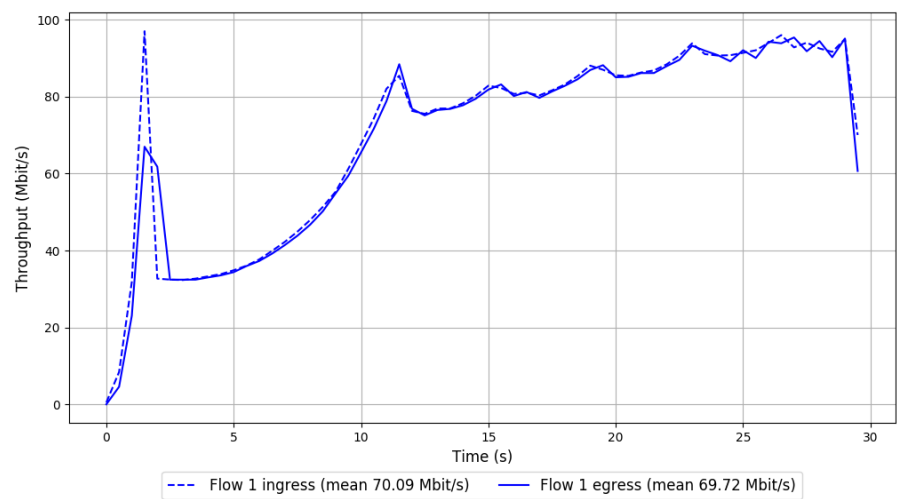
-- Flow 1:

Average throughput: 69.72 Mbit/s

95th percentile per-packet one-way delay: 149.224 ms

Loss rate: 1.15%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-08-21 19:11:06

End at: 2017-08-21 19:11:36

Local clock offset: 0.004 ms

Remote clock offset: 0.426 ms

Below is generated by plot.py at 2017-08-22 01:03:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.47 Mbit/s

95th percentile per-packet one-way delay: 185.189 ms

Loss rate: 1.40%

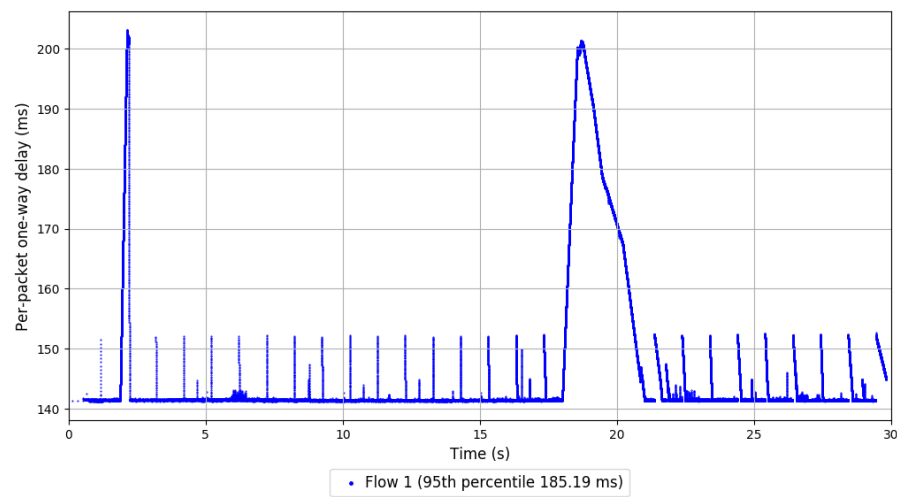
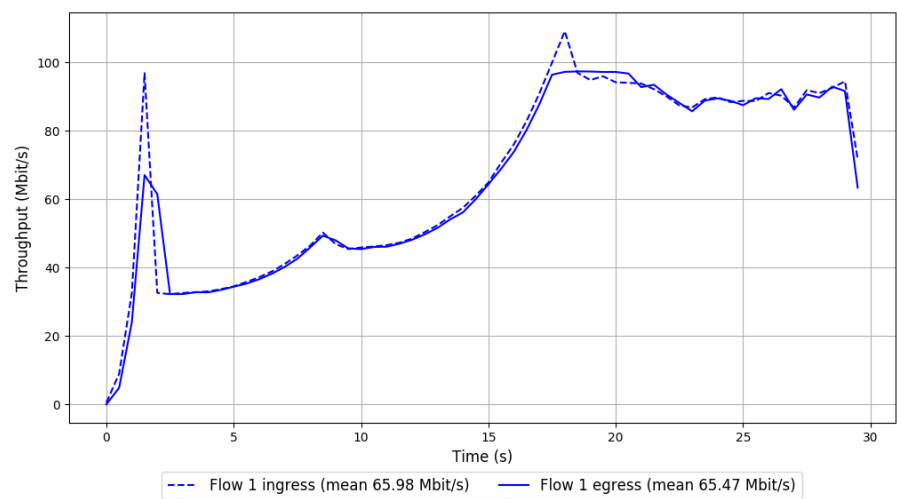
-- Flow 1:

Average throughput: 65.47 Mbit/s

95th percentile per-packet one-way delay: 185.189 ms

Loss rate: 1.40%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-08-21 19:32:49

End at: 2017-08-21 19:33:19

Local clock offset: 0.238 ms

Remote clock offset: 0.195 ms

Below is generated by plot.py at 2017-08-22 01:03:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.61 Mbit/s

95th percentile per-packet one-way delay: 175.371 ms

Loss rate: 1.41%

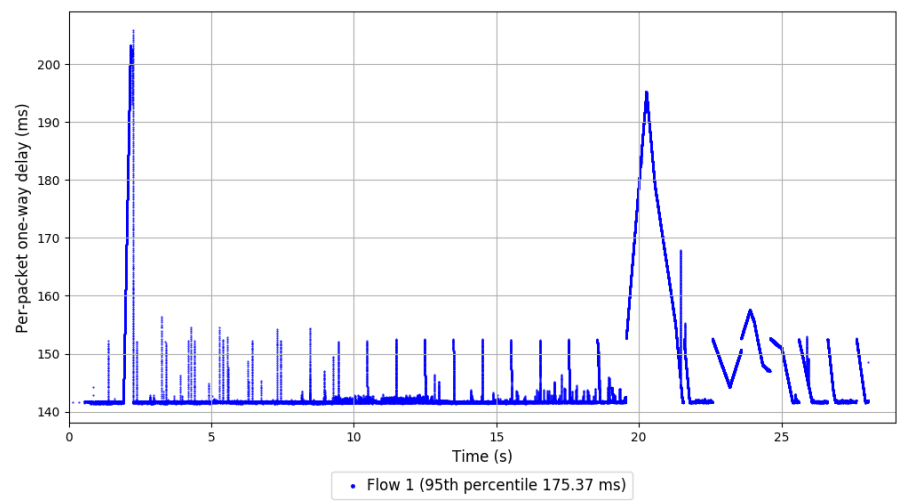
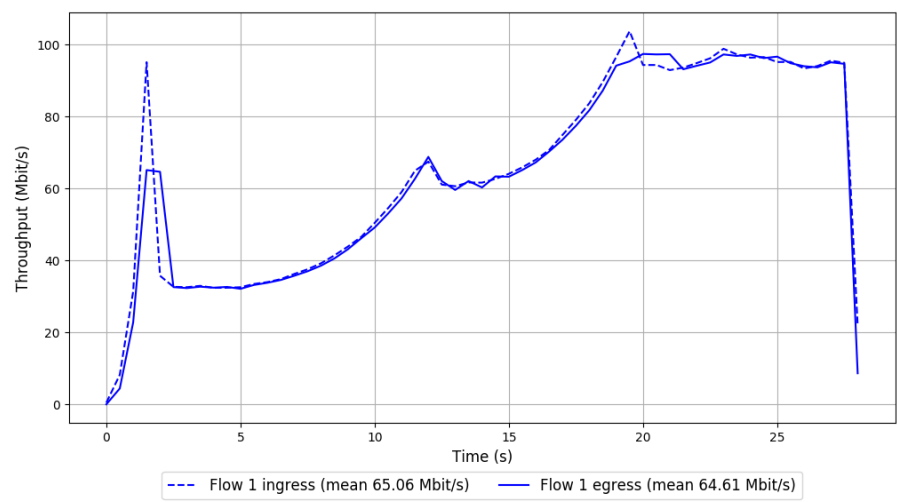
-- Flow 1:

Average throughput: 64.61 Mbit/s

95th percentile per-packet one-way delay: 175.371 ms

Loss rate: 1.41%

Run 6: Report of PCC — Data Link

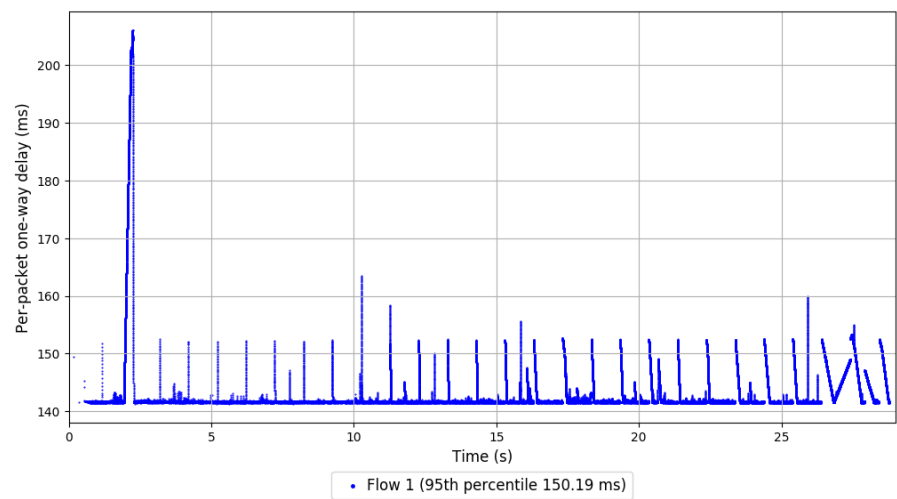
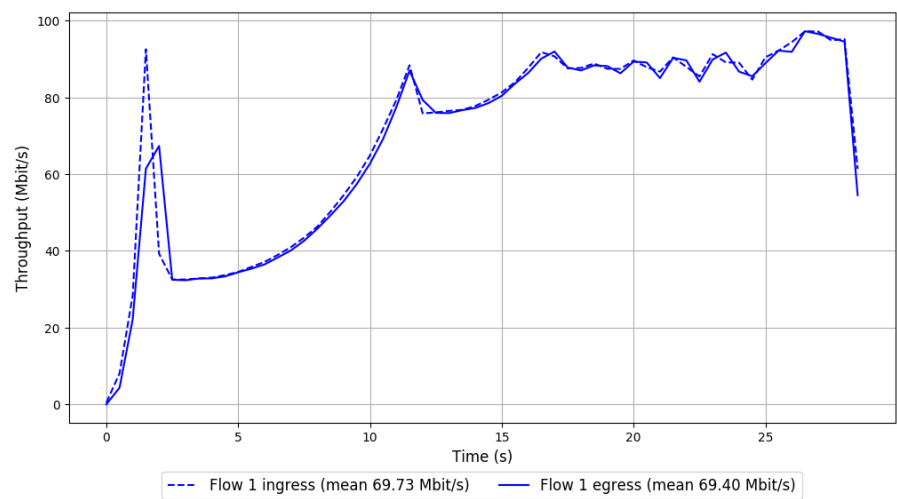


Run 7: Statistics of PCC

Start at: 2017-08-21 19:54:03
End at: 2017-08-21 19:54:33
Local clock offset: -0.315 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2017-08-22 01:03:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.40 Mbit/s
95th percentile per-packet one-way delay: 150.193 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 69.40 Mbit/s
95th percentile per-packet one-way delay: 150.193 ms
Loss rate: 1.15%

Run 7: Report of PCC — Data Link

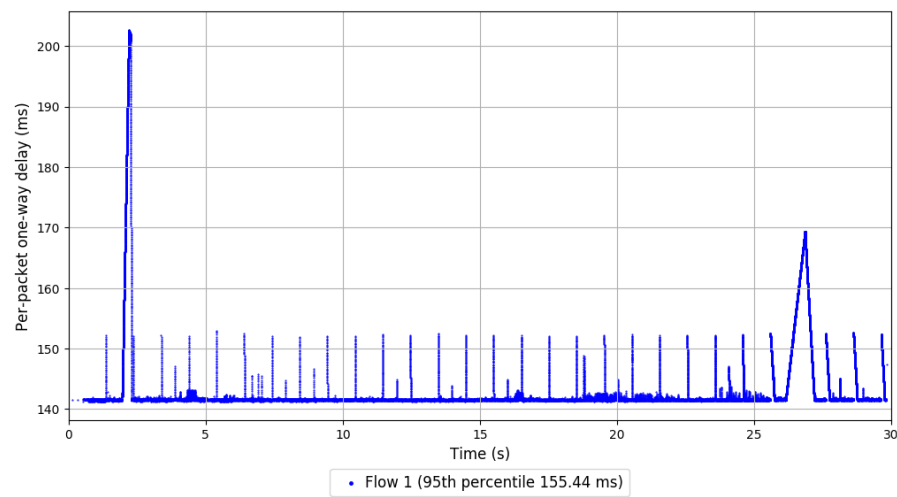
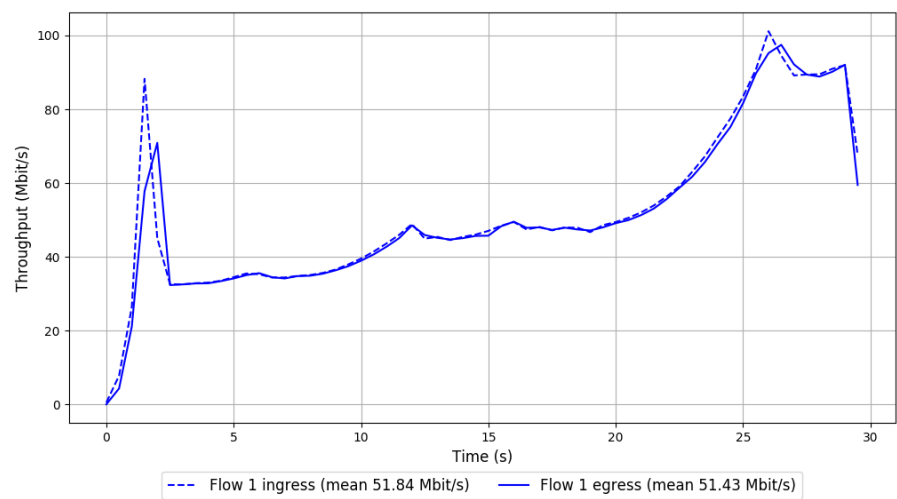


Run 8: Statistics of PCC

Start at: 2017-08-21 20:15:41
End at: 2017-08-21 20:16:11
Local clock offset: -0.168 ms
Remote clock offset: -0.433 ms

Below is generated by plot.py at 2017-08-22 01:04:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.43 Mbit/s
95th percentile per-packet one-way delay: 155.443 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 51.43 Mbit/s
95th percentile per-packet one-way delay: 155.443 ms
Loss rate: 1.42%

Run 8: Report of PCC — Data Link

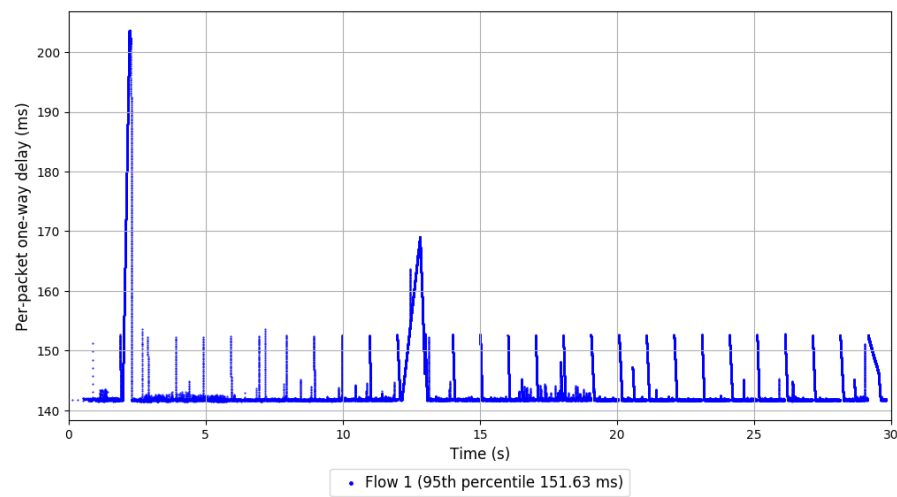
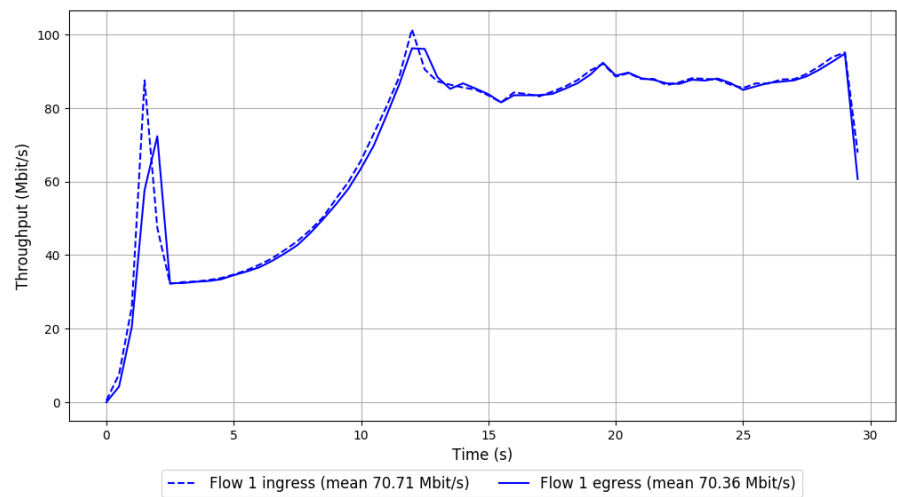


Run 9: Statistics of PCC

Start at: 2017-08-21 20:36:57
End at: 2017-08-21 20:37:27
Local clock offset: 0.373 ms
Remote clock offset: -0.712 ms

Below is generated by plot.py at 2017-08-22 01:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.36 Mbit/s
95th percentile per-packet one-way delay: 151.627 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 70.36 Mbit/s
95th percentile per-packet one-way delay: 151.627 ms
Loss rate: 1.12%

Run 9: Report of PCC — Data Link

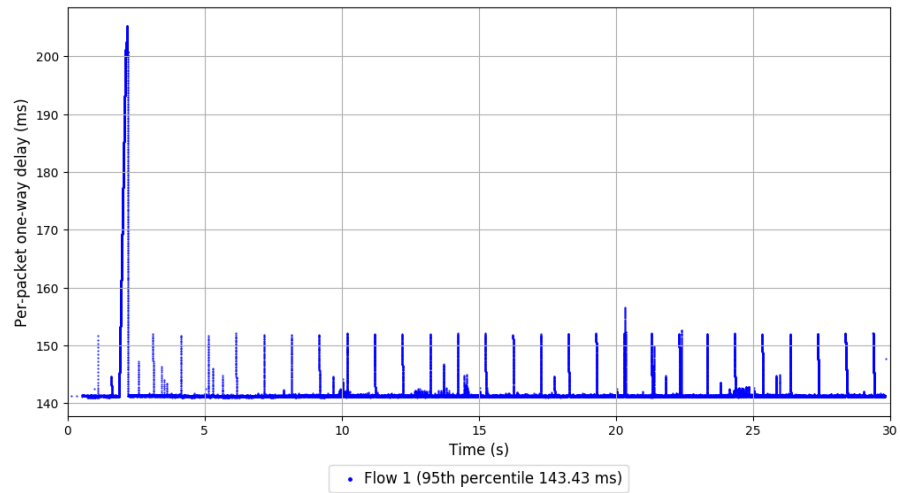
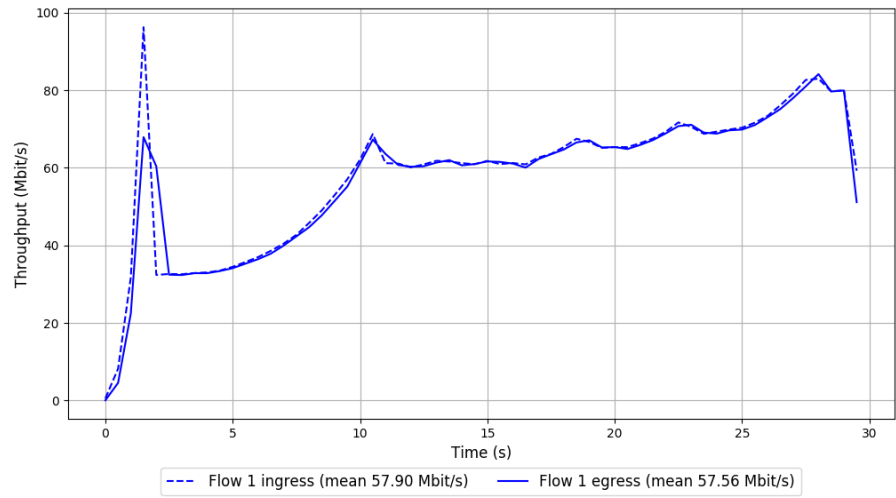


Run 10: Statistics of PCC

Start at: 2017-08-21 20:58:17
End at: 2017-08-21 20:58:47
Local clock offset: 0.282 ms
Remote clock offset: -0.991 ms

Below is generated by plot.py at 2017-08-22 01:04:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.56 Mbit/s
95th percentile per-packet one-way delay: 143.427 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 57.56 Mbit/s
95th percentile per-packet one-way delay: 143.427 ms
Loss rate: 1.20%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-08-21 18:05:54

End at: 2017-08-21 18:06:24

Local clock offset: 1.161 ms

Remote clock offset: -0.018 ms

Below is generated by plot.py at 2017-08-22 01:04:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.52 Mbit/s

95th percentile per-packet one-way delay: 141.884 ms

Loss rate: 0.60%

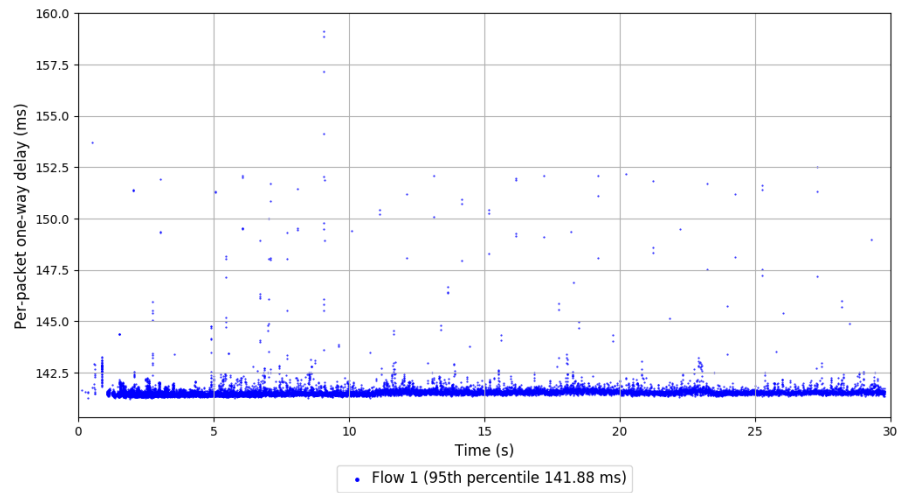
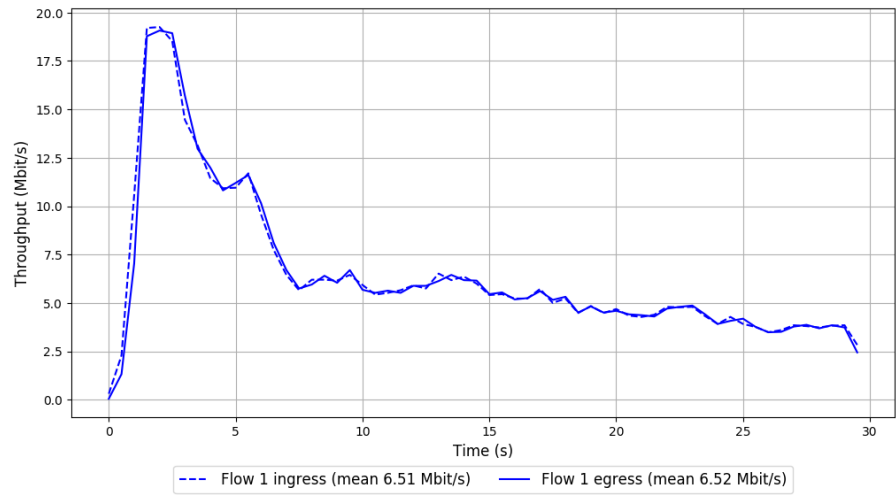
-- Flow 1:

Average throughput: 6.52 Mbit/s

95th percentile per-packet one-way delay: 141.884 ms

Loss rate: 0.60%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-08-21 18:27:20

End at: 2017-08-21 18:27:50

Local clock offset: -0.042 ms

Remote clock offset: 0.253 ms

Below is generated by plot.py at 2017-08-22 01:04:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.43 Mbit/s

95th percentile per-packet one-way delay: 140.909 ms

Loss rate: 0.57%

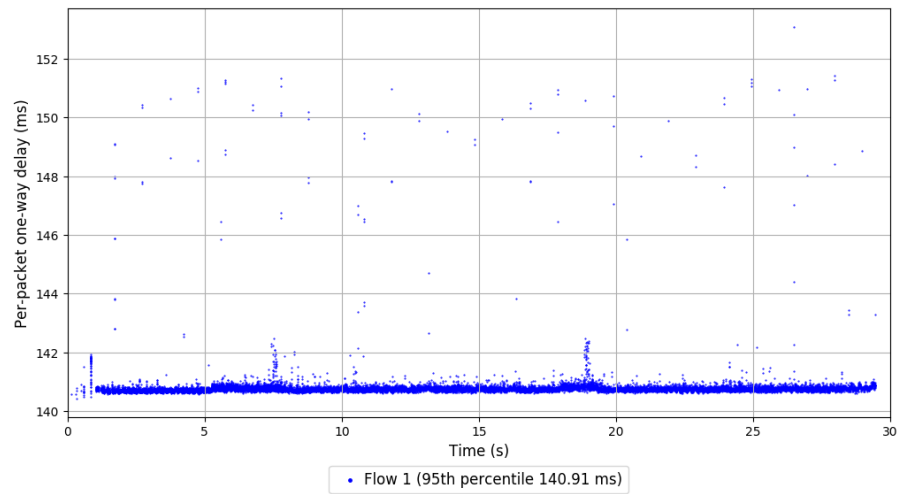
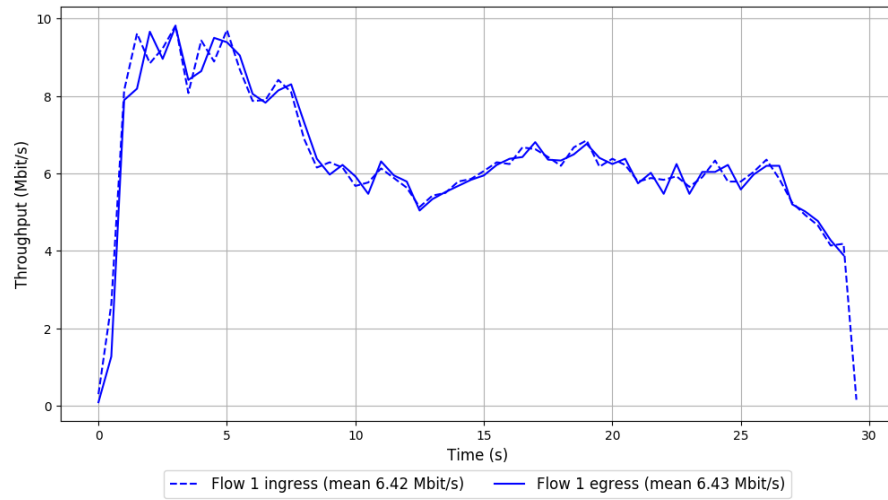
-- Flow 1:

Average throughput: 6.43 Mbit/s

95th percentile per-packet one-way delay: 140.909 ms

Loss rate: 0.57%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-08-21 18:48:20

End at: 2017-08-21 18:48:50

Local clock offset: 0.412 ms

Remote clock offset: 0.38 ms

Below is generated by plot.py at 2017-08-22 01:04:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.69 Mbit/s

95th percentile per-packet one-way delay: 141.847 ms

Loss rate: 0.59%

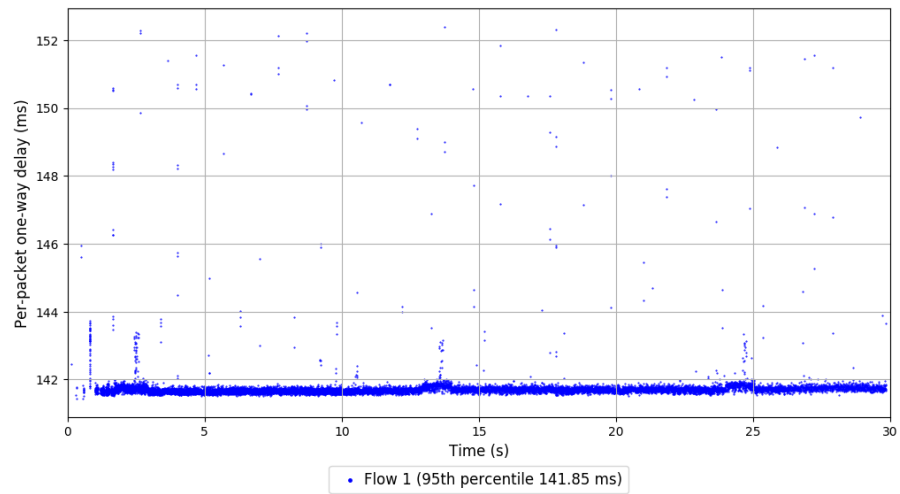
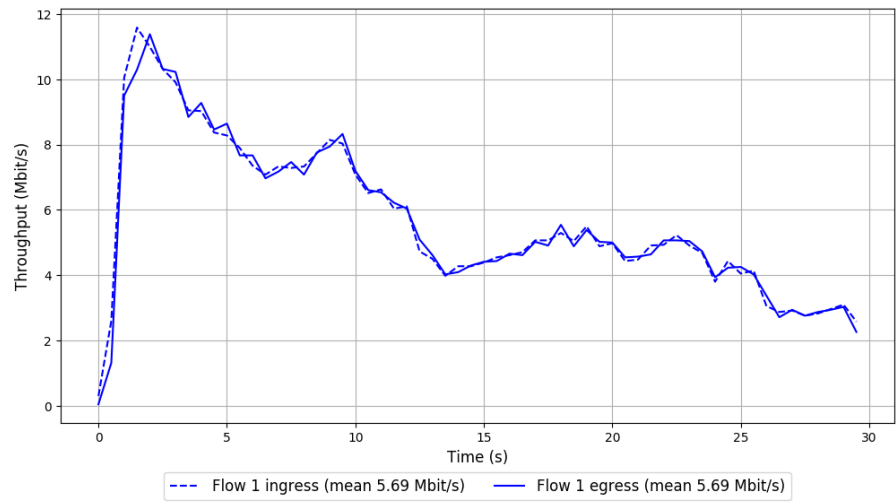
-- Flow 1:

Average throughput: 5.69 Mbit/s

95th percentile per-packet one-way delay: 141.847 ms

Loss rate: 0.59%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2017-08-21 19:09:48

End at: 2017-08-21 19:10:18

Local clock offset: 0.0 ms

Remote clock offset: 0.461 ms

Below is generated by plot.py at 2017-08-22 01:04:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.33 Mbit/s

95th percentile per-packet one-way delay: 141.855 ms

Loss rate: 0.42%

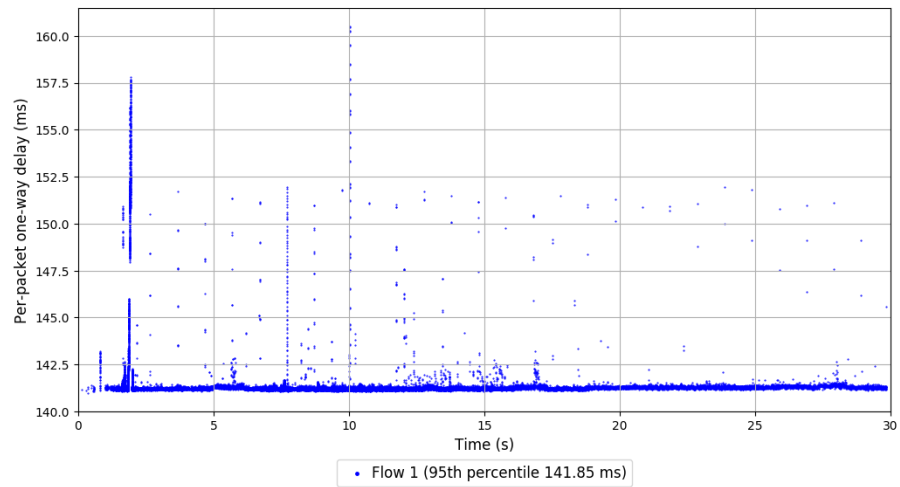
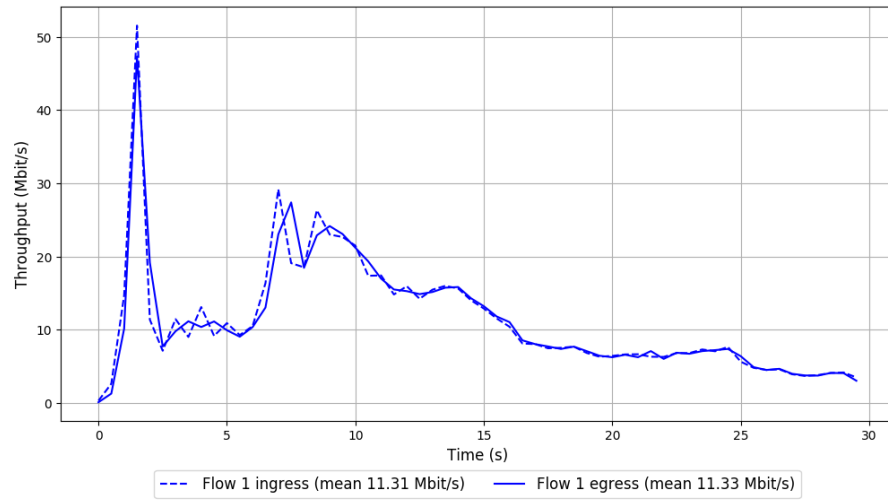
-- Flow 1:

Average throughput: 11.33 Mbit/s

95th percentile per-packet one-way delay: 141.855 ms

Loss rate: 0.42%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-08-21 19:31:34

End at: 2017-08-21 19:32:04

Local clock offset: -0.095 ms

Remote clock offset: 0.233 ms

Below is generated by plot.py at 2017-08-22 01:04:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 141.900 ms

Loss rate: 0.47%

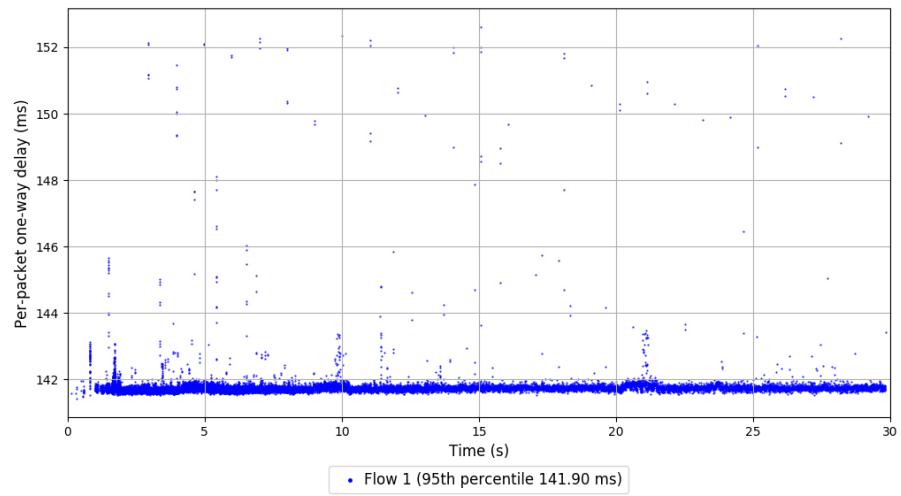
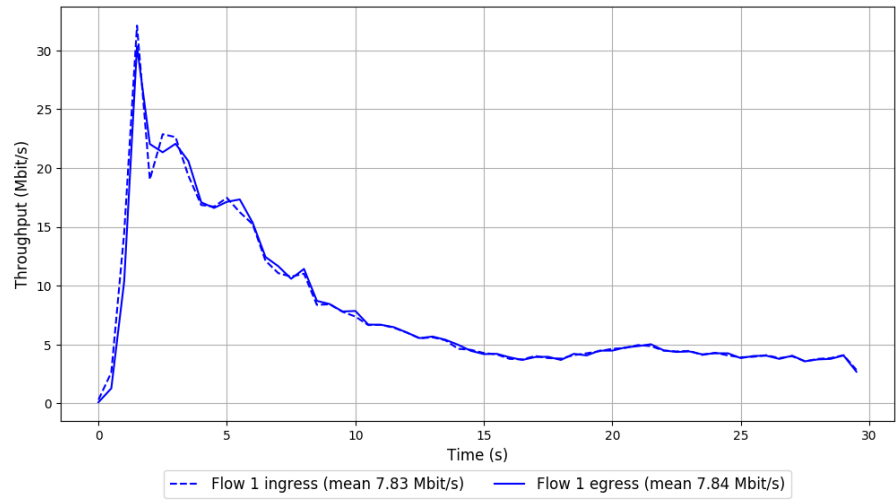
-- Flow 1:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 141.900 ms

Loss rate: 0.47%

Run 5: Report of QUIC Cubic — Data Link

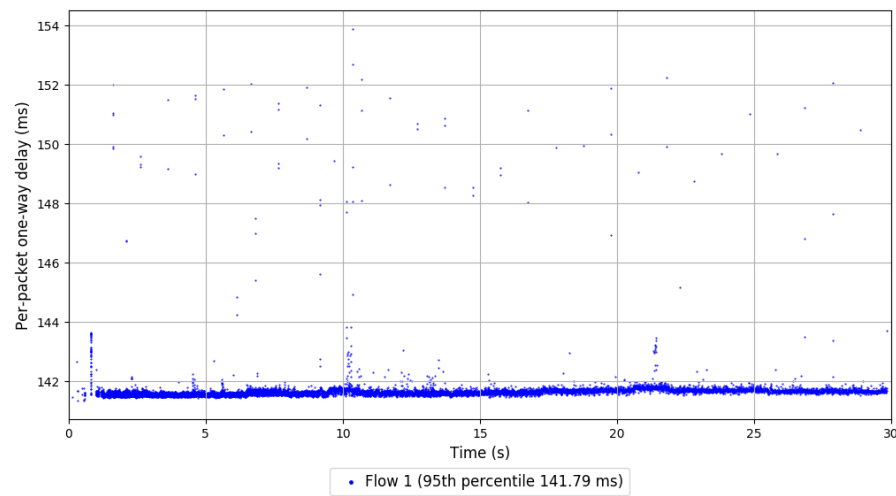
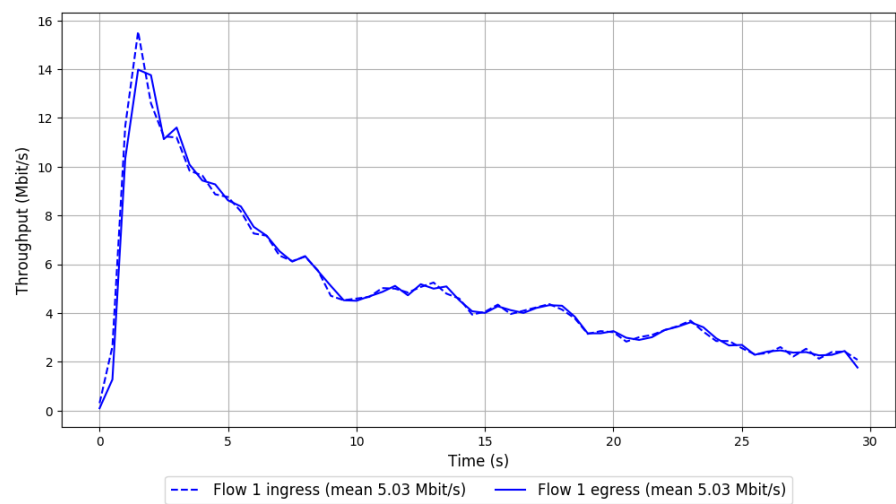


Run 6: Statistics of QUIC Cubic

Start at: 2017-08-21 19:52:49
End at: 2017-08-21 19:53:19
Local clock offset: -0.062 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2017-08-22 01:04:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.03 Mbit/s
95th percentile per-packet one-way delay: 141.793 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 5.03 Mbit/s
95th percentile per-packet one-way delay: 141.793 ms
Loss rate: 0.59%

Run 6: Report of QUIC Cubic — Data Link

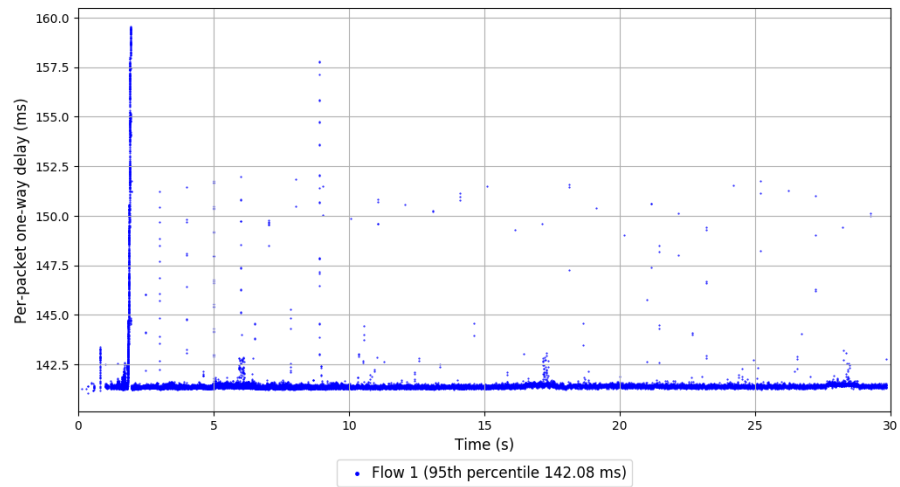
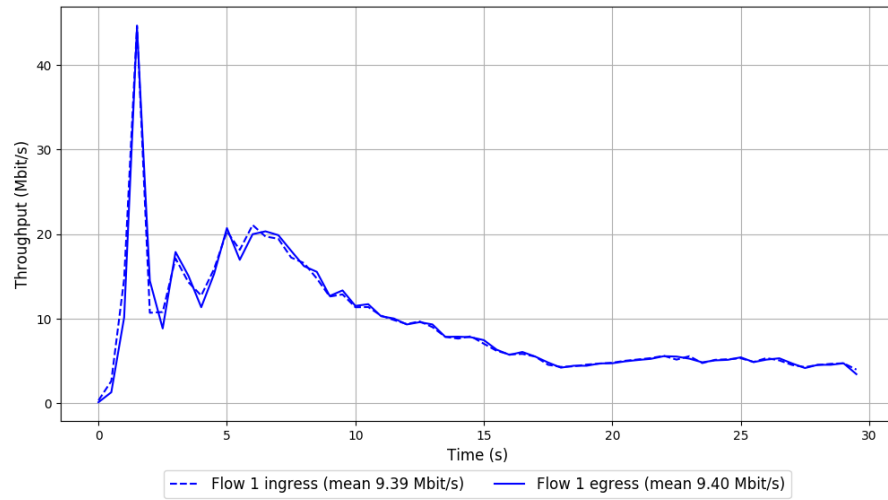


Run 7: Statistics of QUIC Cubic

Start at: 2017-08-21 20:14:22
End at: 2017-08-21 20:14:52
Local clock offset: -0.129 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2017-08-22 01:04:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.40 Mbit/s
95th percentile per-packet one-way delay: 142.081 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 9.40 Mbit/s
95th percentile per-packet one-way delay: 142.081 ms
Loss rate: 0.52%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-08-21 20:35:38

End at: 2017-08-21 20:36:08

Local clock offset: 0.307 ms

Remote clock offset: -0.759 ms

Below is generated by plot.py at 2017-08-22 01:04:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.82 Mbit/s

95th percentile per-packet one-way delay: 142.040 ms

Loss rate: 0.45%

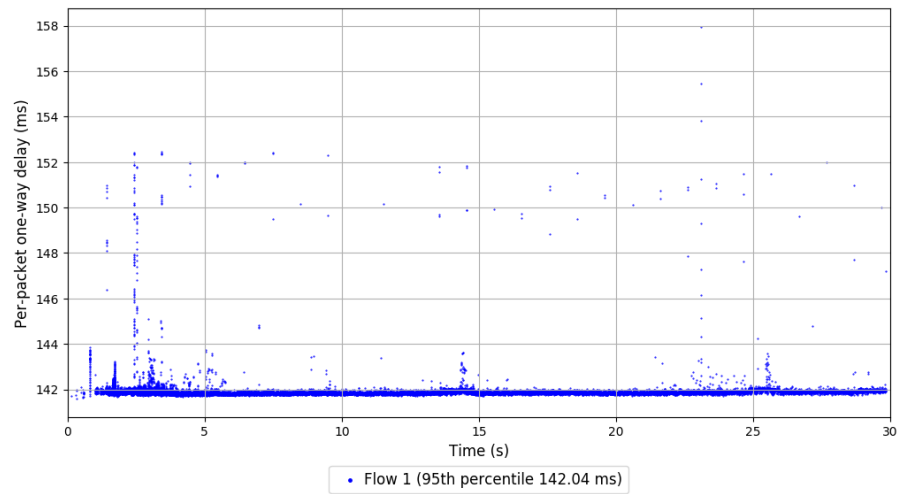
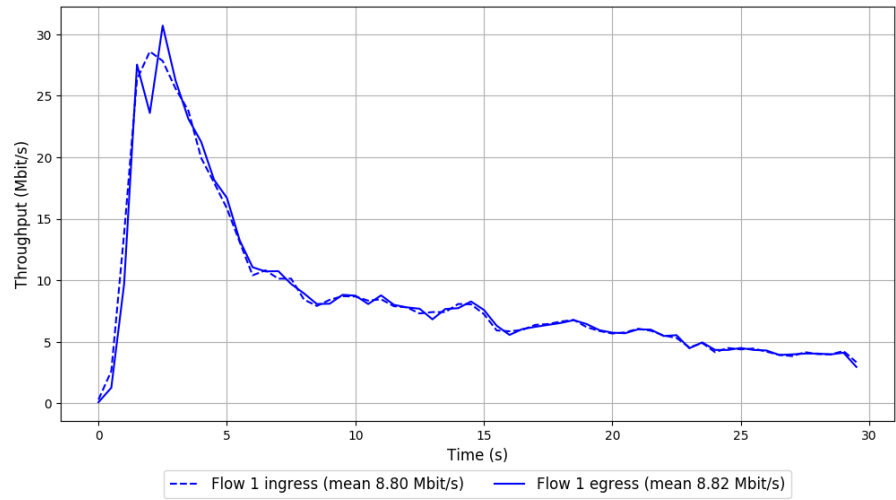
-- Flow 1:

Average throughput: 8.82 Mbit/s

95th percentile per-packet one-way delay: 142.040 ms

Loss rate: 0.45%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-08-21 20:57:03

End at: 2017-08-21 20:57:33

Local clock offset: 0.28 ms

Remote clock offset: -0.975 ms

Below is generated by plot.py at 2017-08-22 01:04:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.39 Mbit/s

95th percentile per-packet one-way delay: 142.127 ms

Loss rate: 0.76%

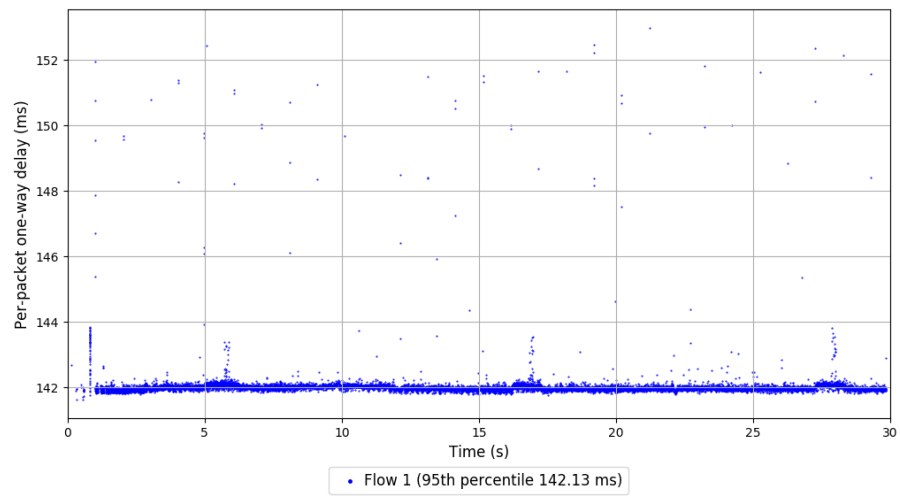
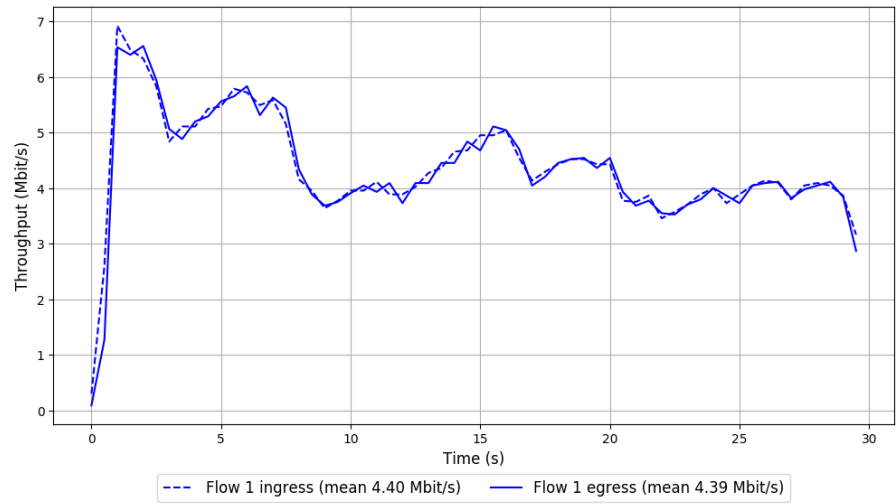
-- Flow 1:

Average throughput: 4.39 Mbit/s

95th percentile per-packet one-way delay: 142.127 ms

Loss rate: 0.76%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-08-21 21:18:31

End at: 2017-08-21 21:19:01

Local clock offset: 0.768 ms

Remote clock offset: -1.11 ms

Below is generated by plot.py at 2017-08-22 01:04:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.38 Mbit/s

95th percentile per-packet one-way delay: 142.116 ms

Loss rate: 0.44%

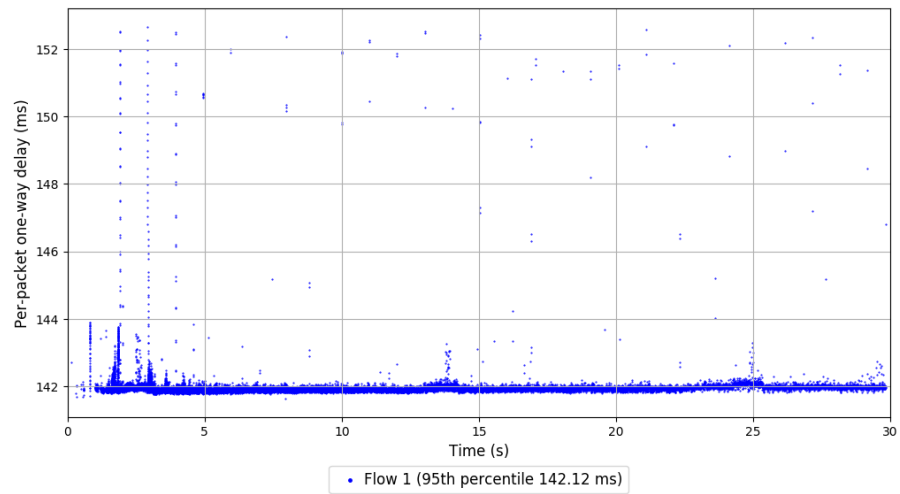
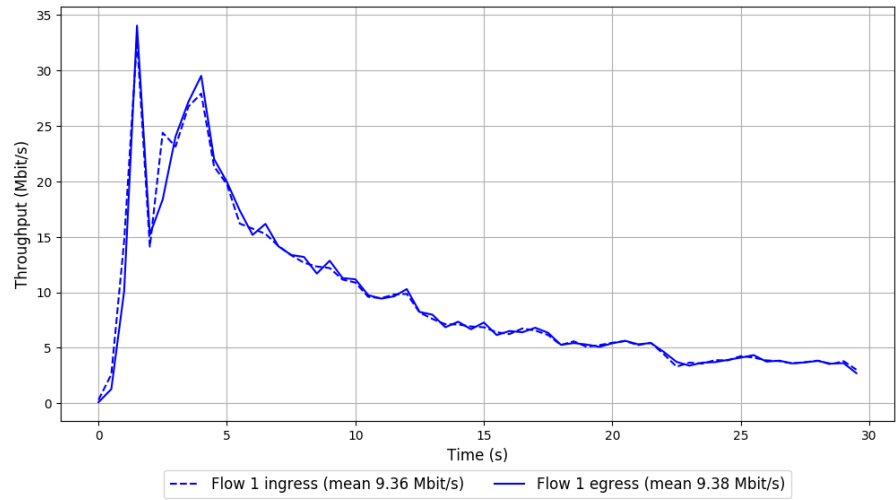
-- Flow 1:

Average throughput: 9.38 Mbit/s

95th percentile per-packet one-way delay: 142.116 ms

Loss rate: 0.44%

Run 10: Report of QUIC Cubic — Data Link

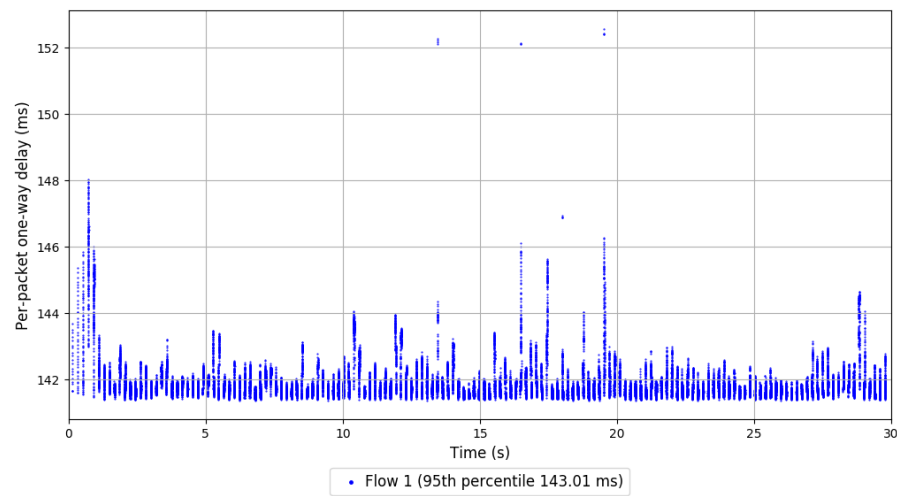
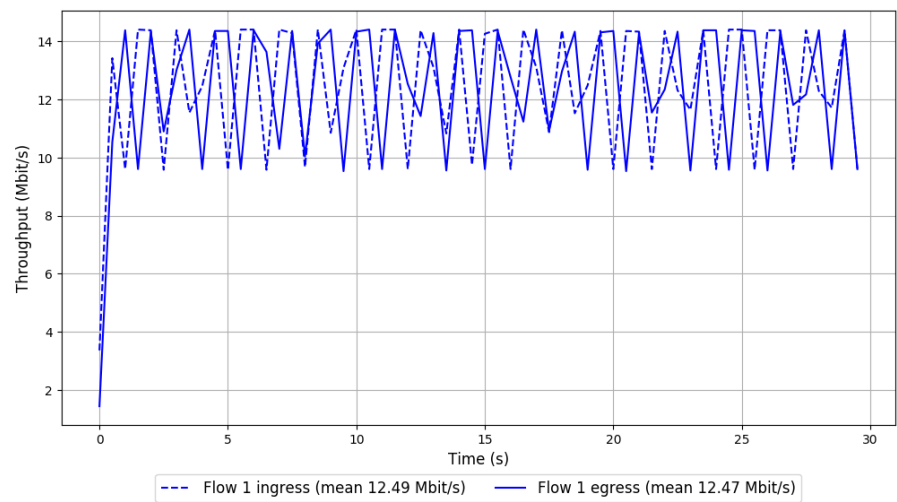


Run 1: Statistics of Saturator

Start at: 2017-08-21 17:58:25
End at: 2017-08-21 17:58:56
Local clock offset: 1.347 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2017-08-22 01:04:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 143.015 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 143.015 ms
Loss rate: 0.82%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: 2017-08-21 18:19:48

End at: 2017-08-21 18:20:18

Local clock offset: 1.056 ms

Remote clock offset: 0.13 ms

Below is generated by plot.py at 2017-08-22 01:04:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 143.254 ms

Loss rate: 0.83%

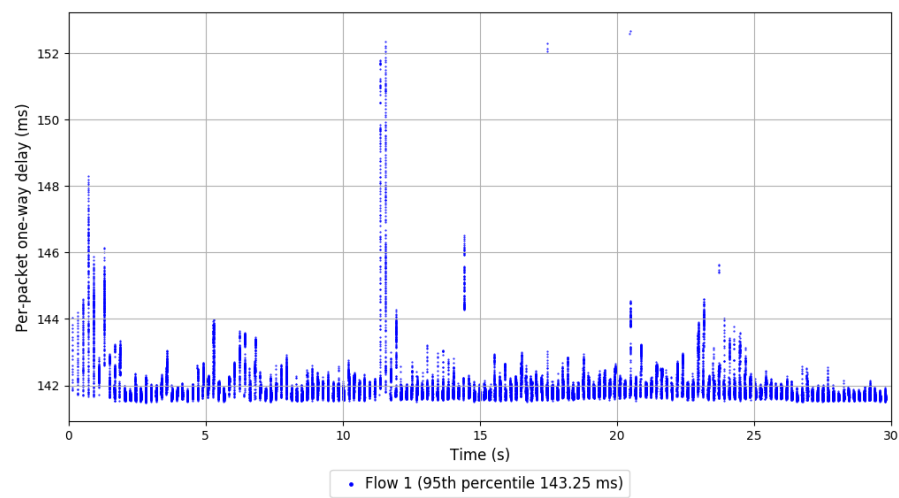
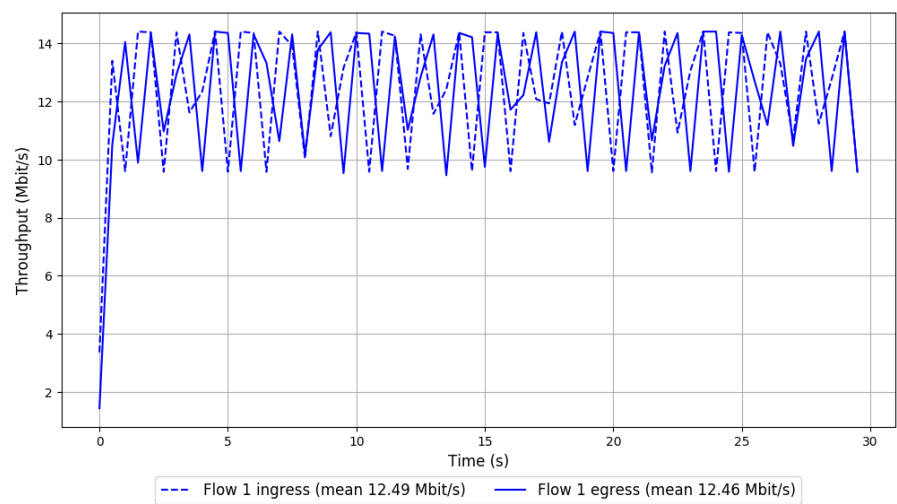
-- Flow 1:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 143.254 ms

Loss rate: 0.83%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: 2017-08-21 18:41:20

End at: 2017-08-21 18:41:50

Local clock offset: 0.526 ms

Remote clock offset: 0.349 ms

Below is generated by plot.py at 2017-08-22 01:04:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 142.914 ms

Loss rate: 0.84%

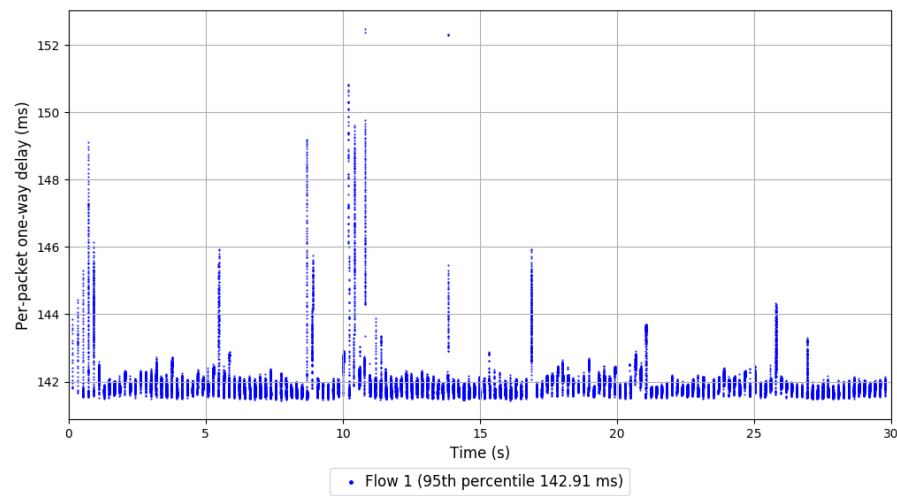
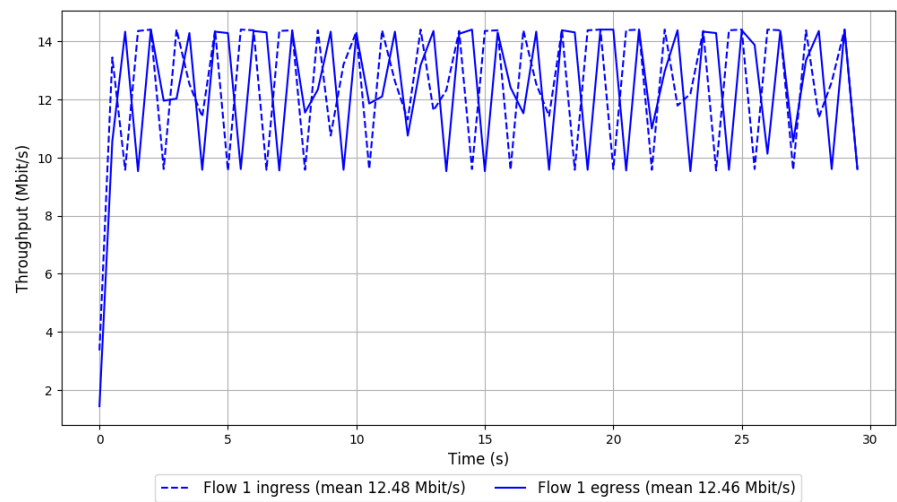
-- Flow 1:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 142.914 ms

Loss rate: 0.84%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: 2017-08-21 19:02:20

End at: 2017-08-21 19:02:50

Local clock offset: 0.172 ms

Remote clock offset: 0.453 ms

Below is generated by plot.py at 2017-08-22 01:04:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.40 Mbit/s

95th percentile per-packet one-way delay: 142.990 ms

Loss rate: 0.83%

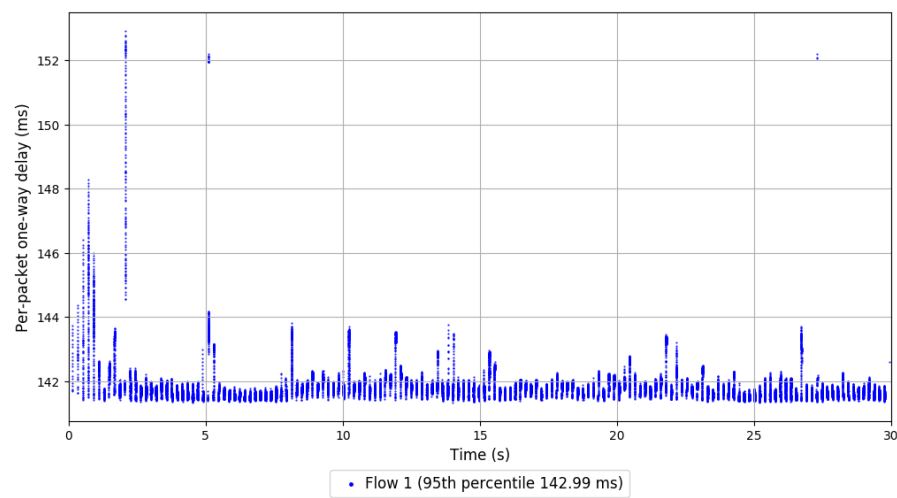
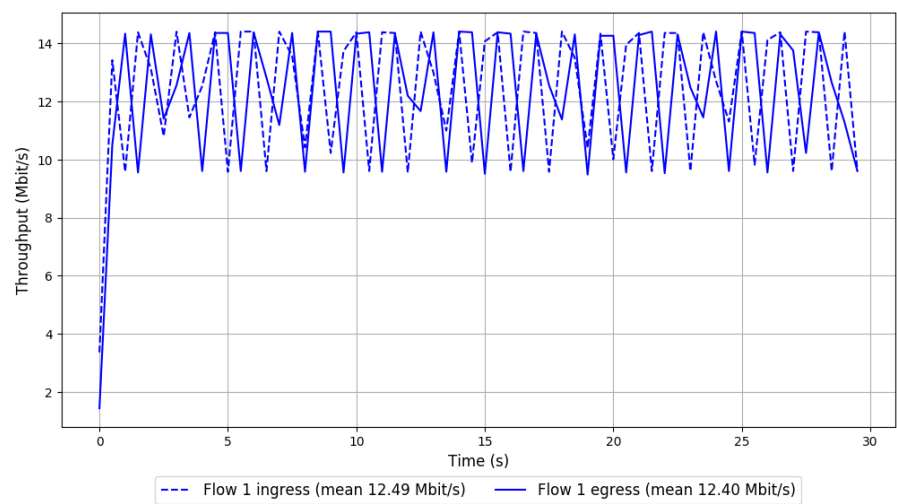
-- Flow 1:

Average throughput: 12.40 Mbit/s

95th percentile per-packet one-way delay: 142.990 ms

Loss rate: 0.83%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: 2017-08-21 19:24:18

End at: 2017-08-21 19:24:48

Local clock offset: -0.628 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2017-08-22 01:04:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 142.687 ms

Loss rate: 0.84%

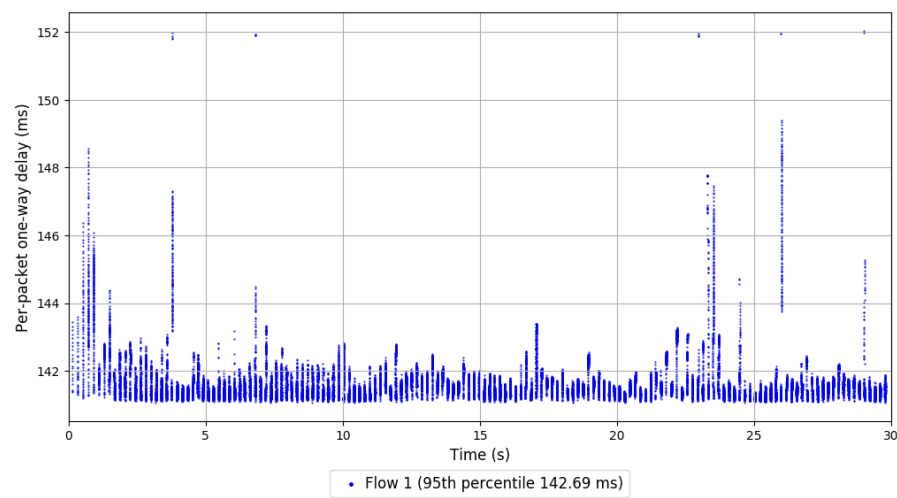
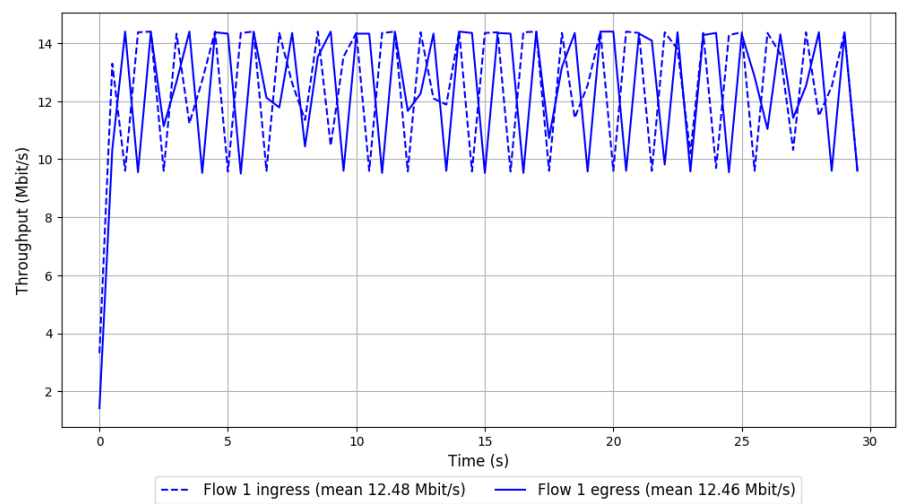
-- Flow 1:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 142.687 ms

Loss rate: 0.84%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: 2017-08-21 19:45:26

End at: 2017-08-21 19:45:56

Local clock offset: 0.009 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2017-08-22 01:04:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 142.997 ms

Loss rate: 0.85%

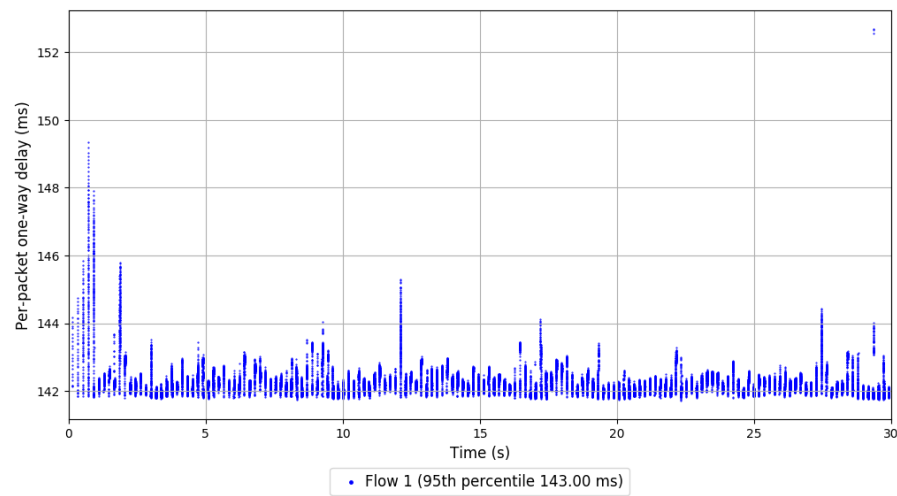
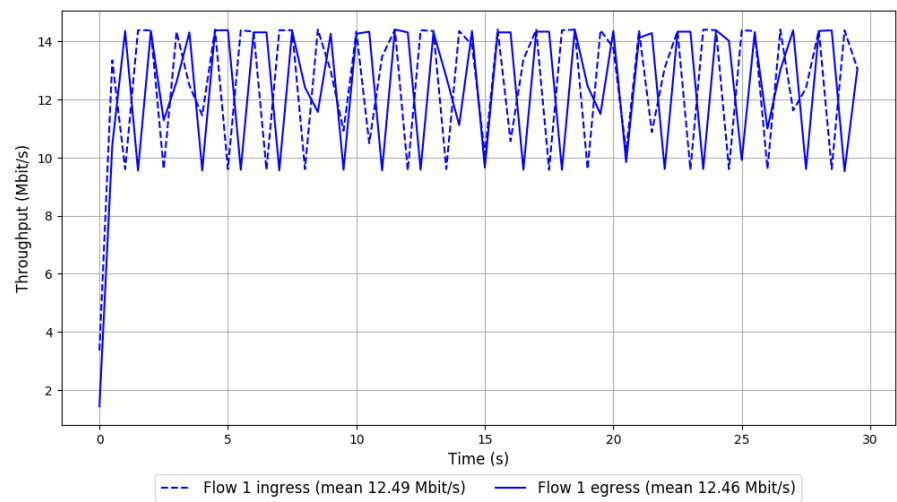
-- Flow 1:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 142.997 ms

Loss rate: 0.85%

Run 6: Report of Saturator — Data Link

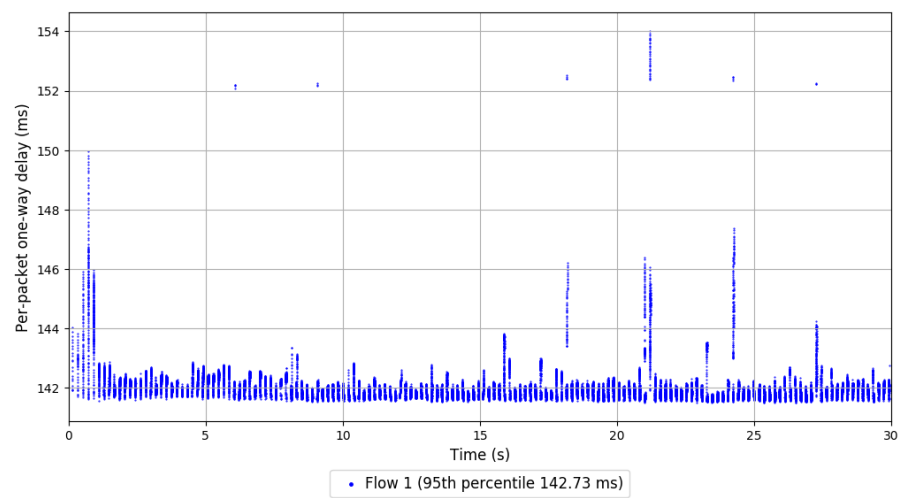
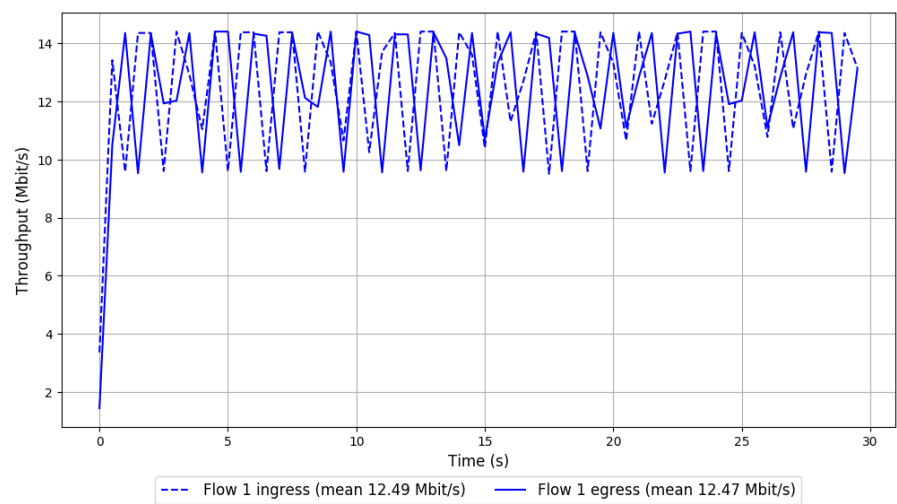


Run 7: Statistics of Saturator

Start at: 2017-08-21 20:07:07
End at: 2017-08-21 20:07:37
Local clock offset: -0.197 ms
Remote clock offset: -0.388 ms

Below is generated by plot.py at 2017-08-22 01:04:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 142.729 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 142.729 ms
Loss rate: 0.84%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: 2017-08-21 20:28:09

End at: 2017-08-21 20:28:39

Local clock offset: -0.104 ms

Remote clock offset: -0.62 ms

Below is generated by plot.py at 2017-08-22 01:04:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.47 Mbit/s

95th percentile per-packet one-way delay: 142.814 ms

Loss rate: 0.80%

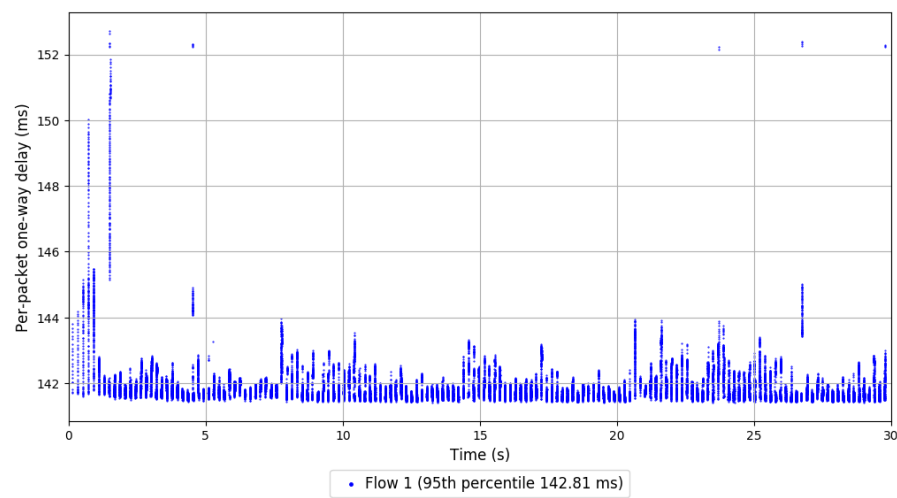
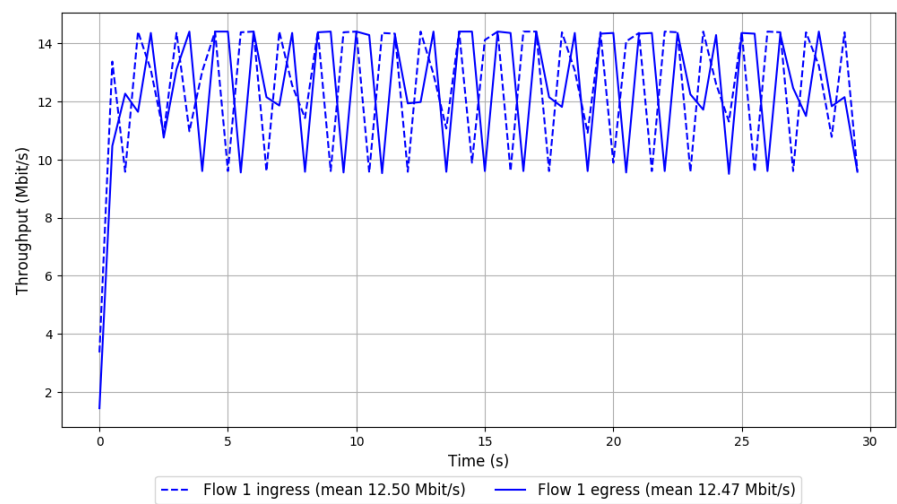
-- Flow 1:

Average throughput: 12.47 Mbit/s

95th percentile per-packet one-way delay: 142.814 ms

Loss rate: 0.80%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: 2017-08-21 20:49:55

End at: 2017-08-21 20:50:25

Local clock offset: 0.48 ms

Remote clock offset: -0.82 ms

Below is generated by plot.py at 2017-08-22 01:04:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.48 Mbit/s

95th percentile per-packet one-way delay: 143.281 ms

Loss rate: 0.89%

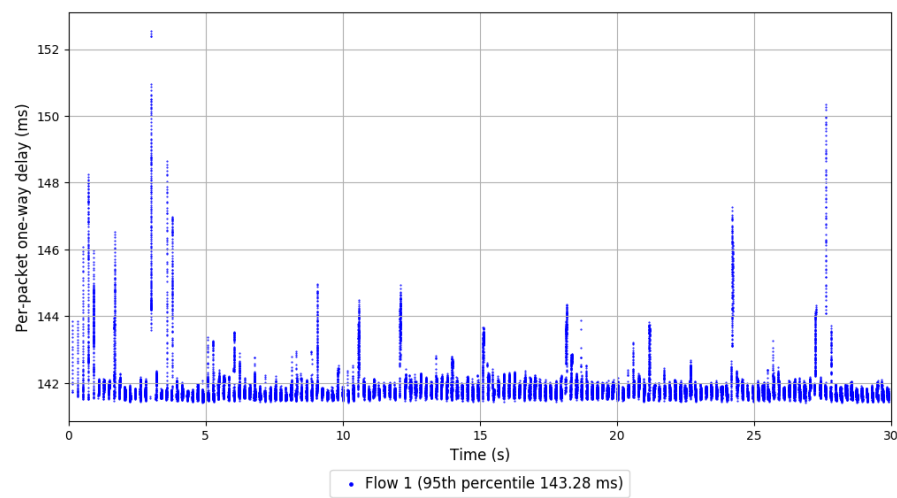
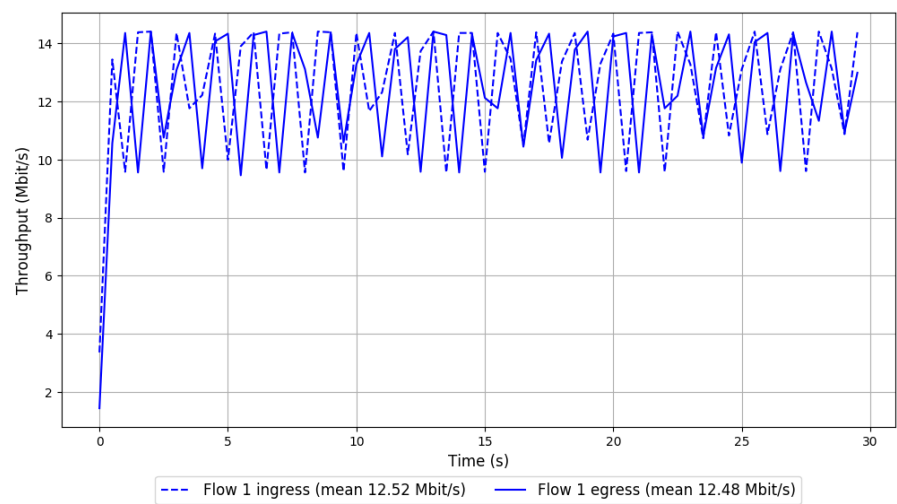
-- Flow 1:

Average throughput: 12.48 Mbit/s

95th percentile per-packet one-way delay: 143.281 ms

Loss rate: 0.89%

Run 9: Report of Saturator — Data Link

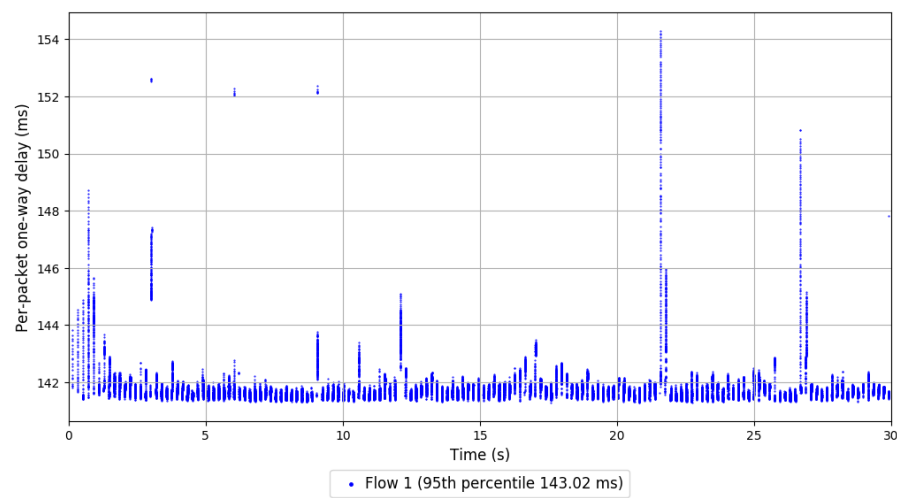
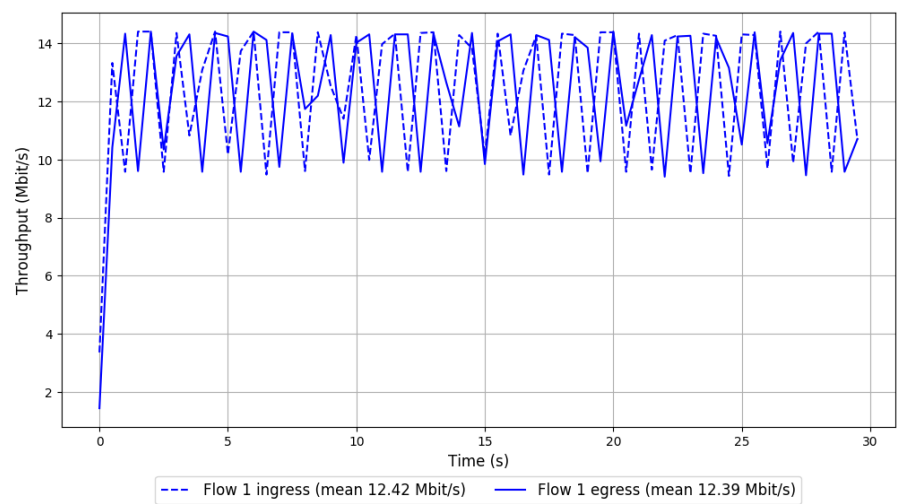


Run 10: Statistics of Saturator

Start at: 2017-08-21 21:11:07
End at: 2017-08-21 21:11:37
Local clock offset: 0.406 ms
Remote clock offset: -1.058 ms

Below is generated by plot.py at 2017-08-22 01:04:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.39 Mbit/s
95th percentile per-packet one-way delay: 143.016 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 12.39 Mbit/s
95th percentile per-packet one-way delay: 143.016 ms
Loss rate: 0.85%

Run 10: Report of Saturator — Data Link

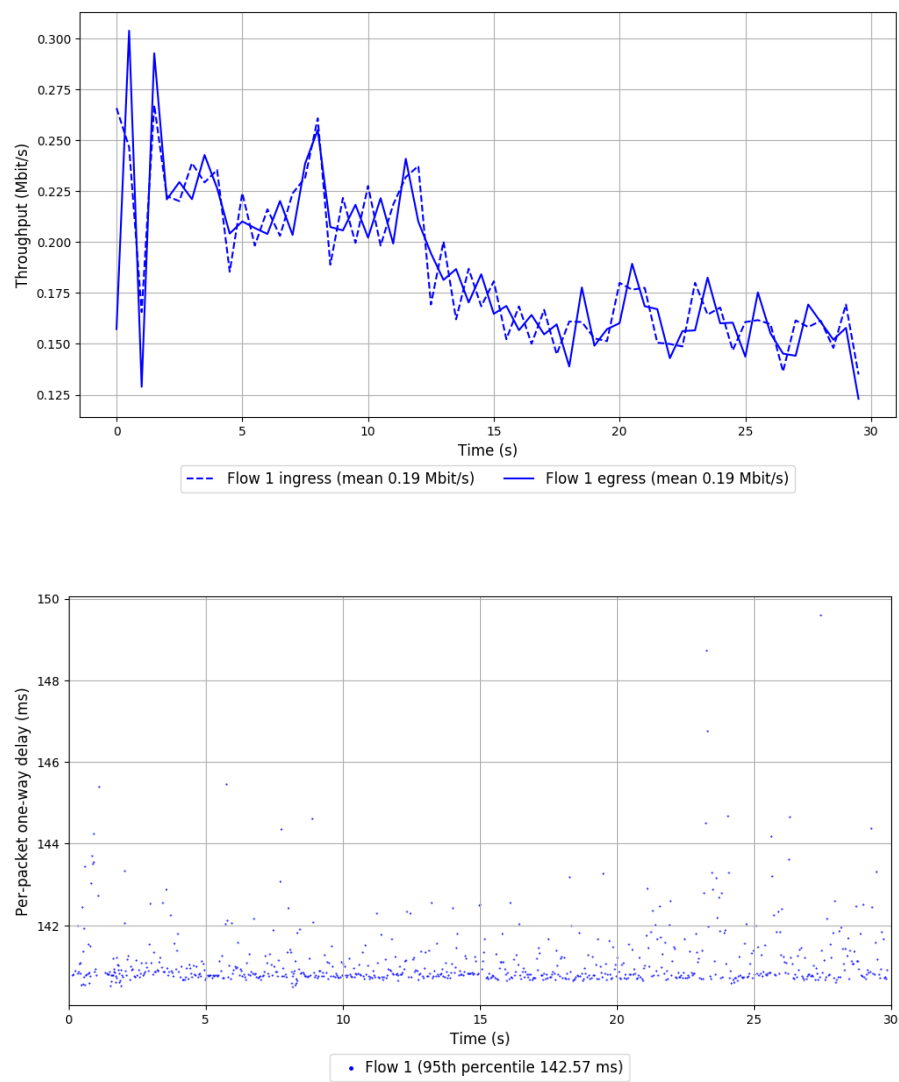


Run 1: Statistics of SCReAM

Start at: 2017-08-21 17:49:31
End at: 2017-08-21 17:50:01
Local clock offset: 1.035 ms
Remote clock offset: -0.322 ms

Below is generated by plot.py at 2017-08-22 01:04:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 142.569 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 142.569 ms
Loss rate: 0.69%

Run 1: Report of SReAM — Data Link

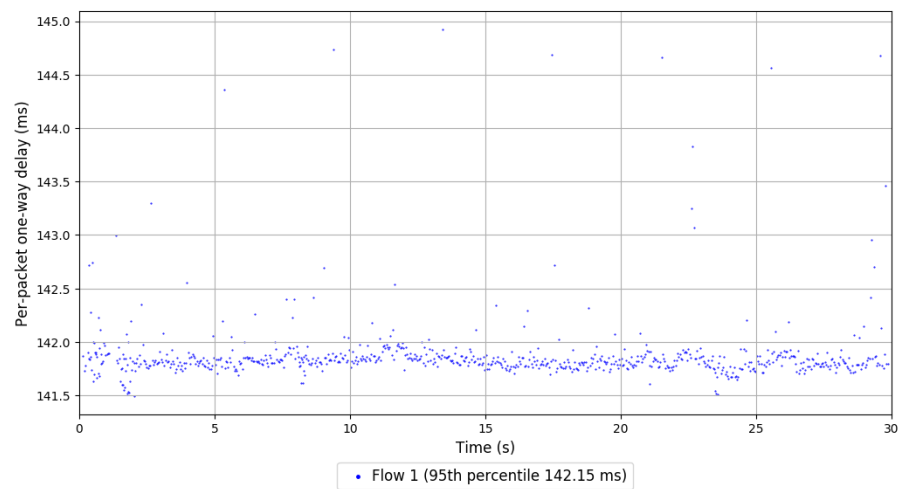
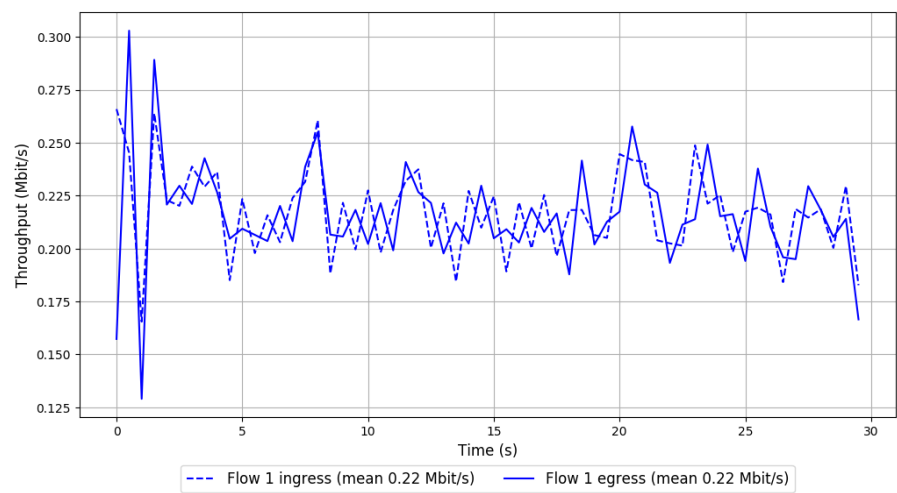


```
Run 2: Statistics of SCReAM

Start at: 2017-08-21 18:11:00
End at: 2017-08-21 18:11:30
Local clock offset: 1.159 ms
Remote clock offset: 0.069 ms

# Below is generated by plot.py at 2017-08-22 01:04:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 142.150 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 142.150 ms
Loss rate: 0.64%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2017-08-21 18:32:27

End at: 2017-08-21 18:32:57

Local clock offset: 1.21 ms

Remote clock offset: 0.253 ms

Below is generated by plot.py at 2017-08-22 01:04:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 142.118 ms

Loss rate: 0.51%

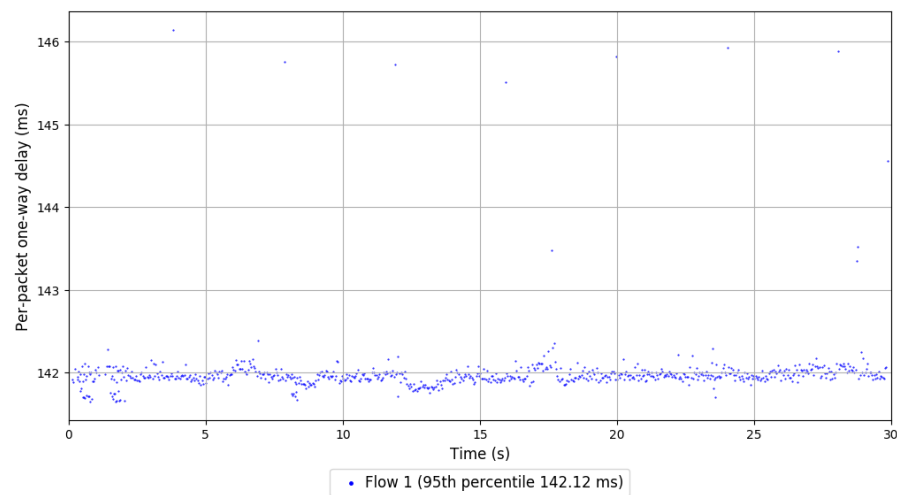
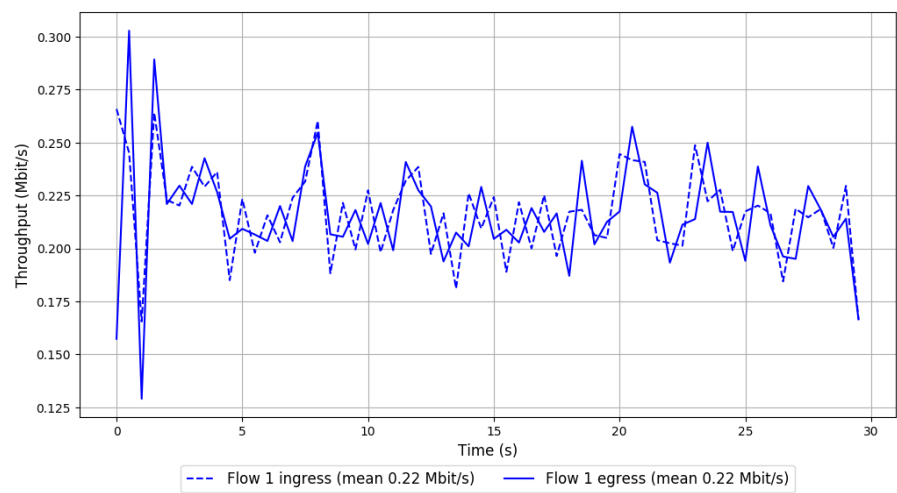
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 142.118 ms

Loss rate: 0.51%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2017-08-21 18:53:28

End at: 2017-08-21 18:53:58

Local clock offset: 1.14 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2017-08-22 01:04:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 142.360 ms

Loss rate: 0.64%

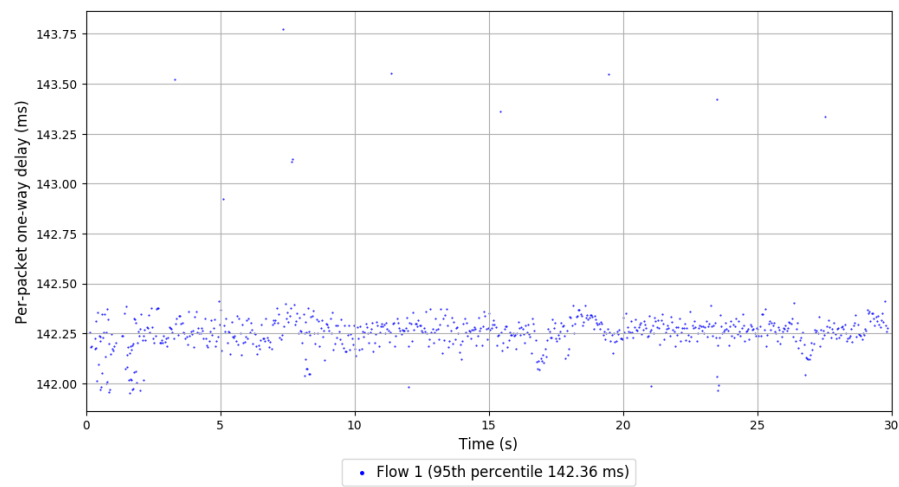
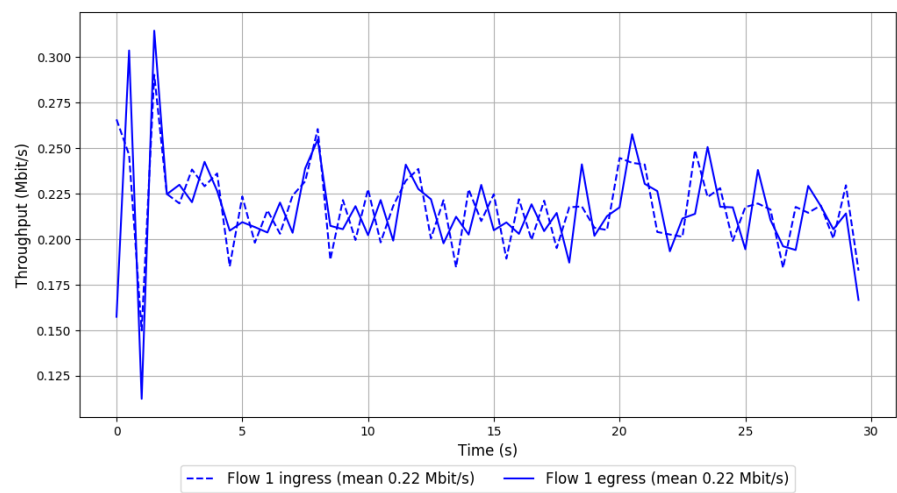
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 142.360 ms

Loss rate: 0.64%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2017-08-21 19:15:00

End at: 2017-08-21 19:15:30

Local clock offset: -0.569 ms

Remote clock offset: 0.47 ms

Below is generated by plot.py at 2017-08-22 01:04:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 140.793 ms

Loss rate: 0.63%

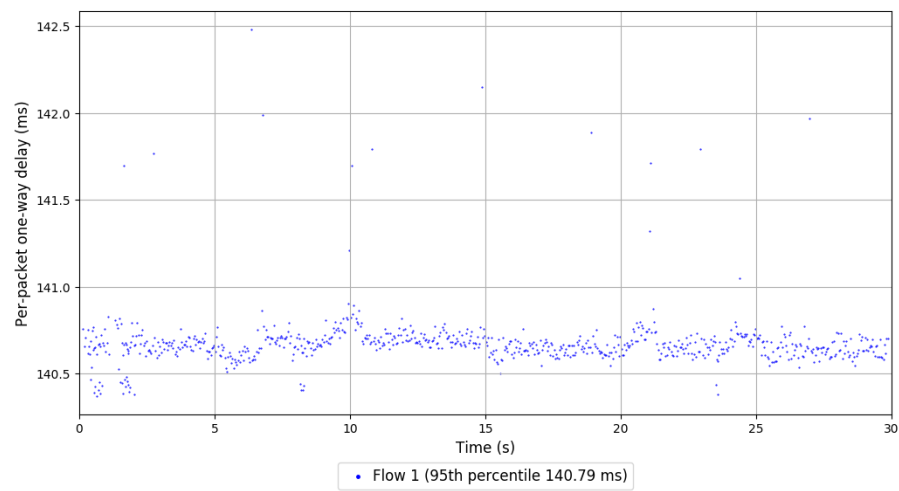
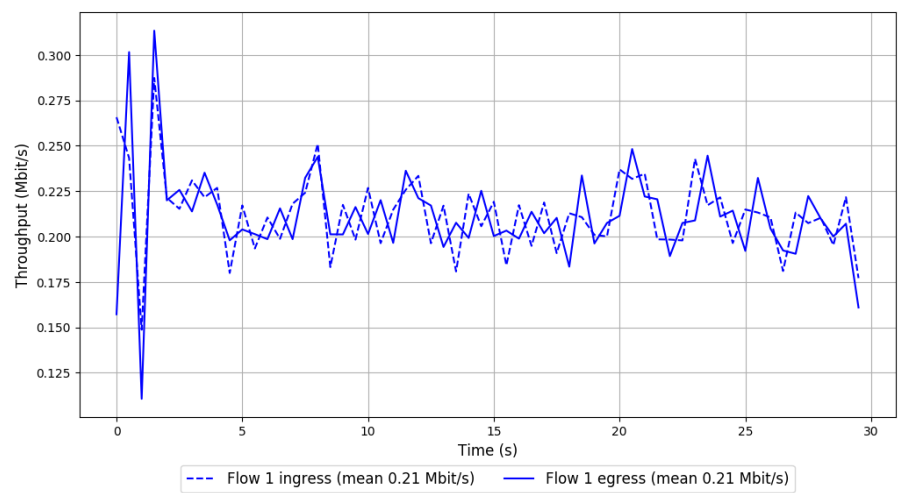
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 140.793 ms

Loss rate: 0.63%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2017-08-21 19:36:47

End at: 2017-08-21 19:37:17

Local clock offset: 0.073 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2017-08-22 01:04:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 142.475 ms

Loss rate: 0.67%

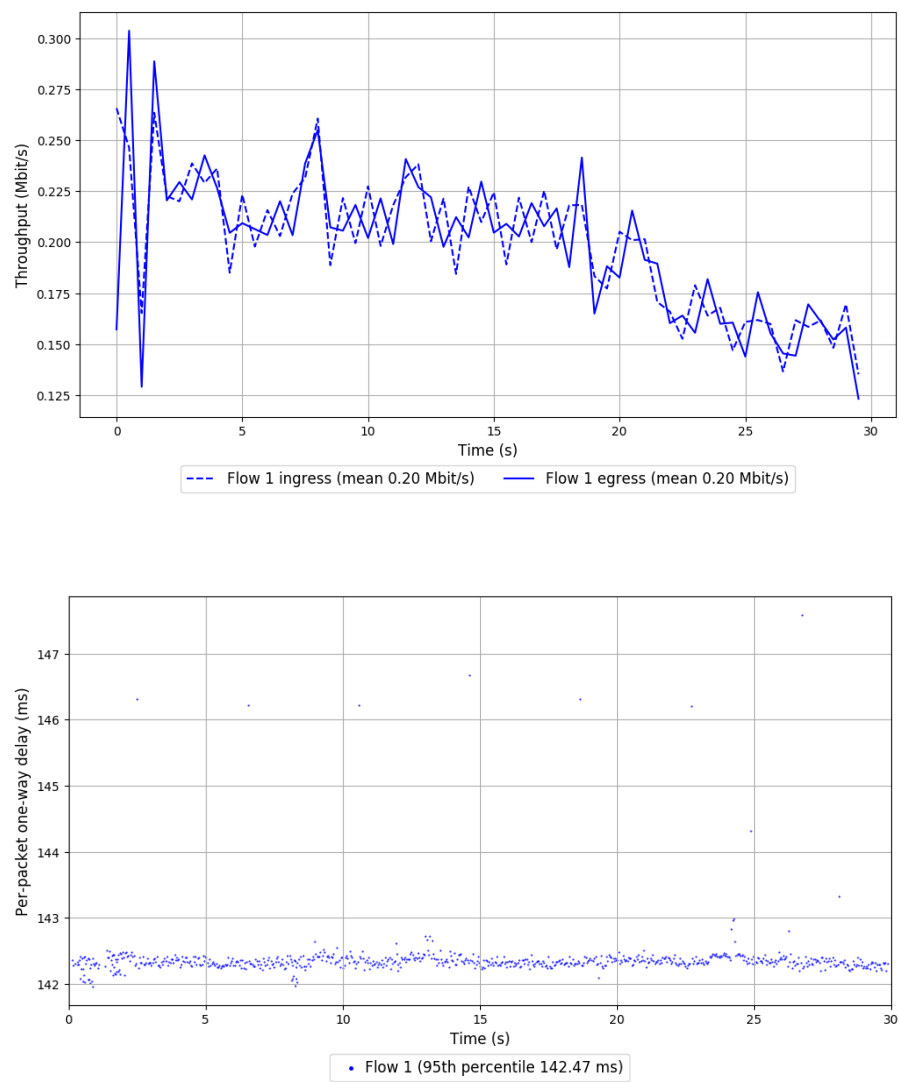
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 142.475 ms

Loss rate: 0.67%

Run 6: Report of SReAM — Data Link

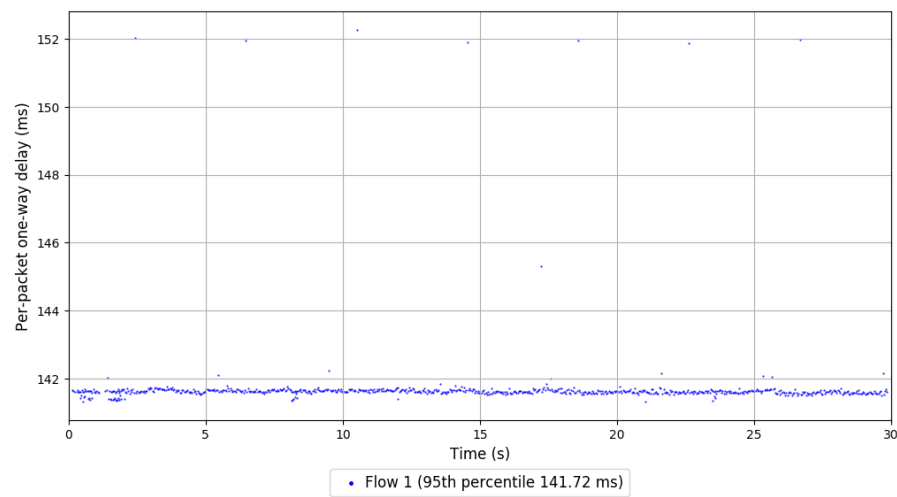
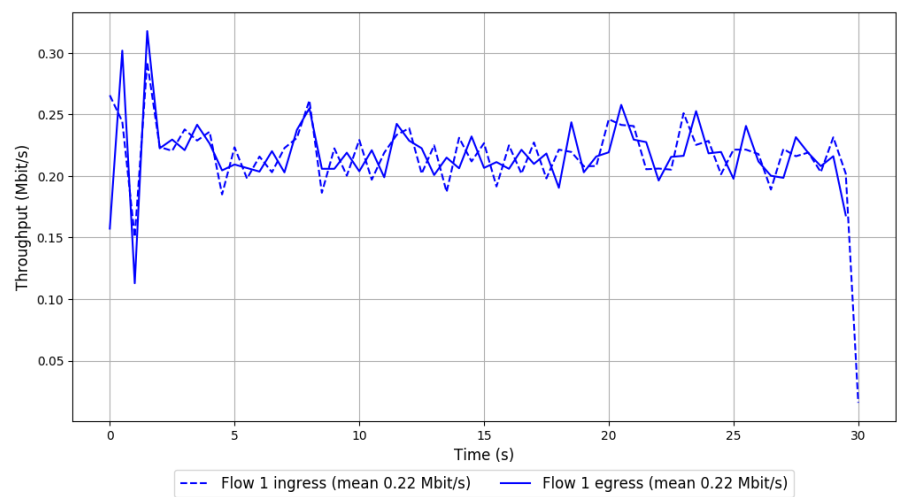


Run 7: Statistics of SCReAM

Start at: 2017-08-21 19:58:01
End at: 2017-08-21 19:58:31
Local clock offset: -0.276 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2017-08-22 01:04:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 141.720 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 141.720 ms
Loss rate: 0.89%

Run 7: Report of SReAM — Data Link

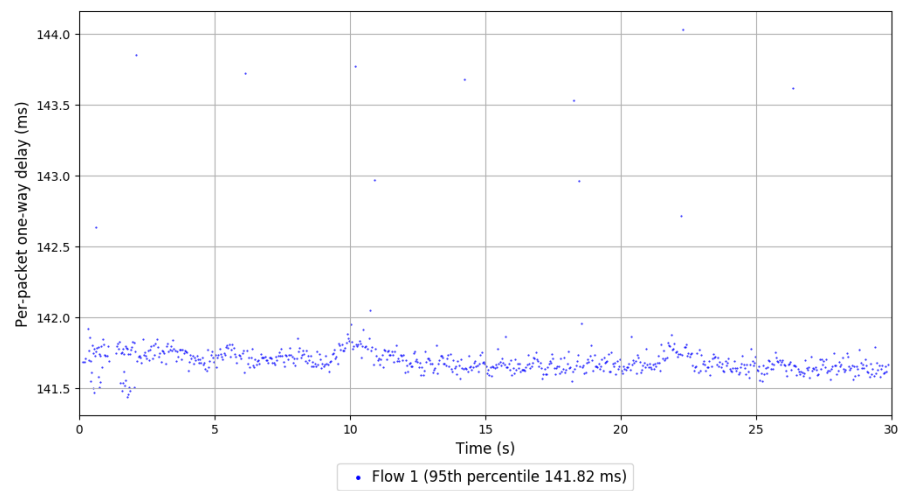
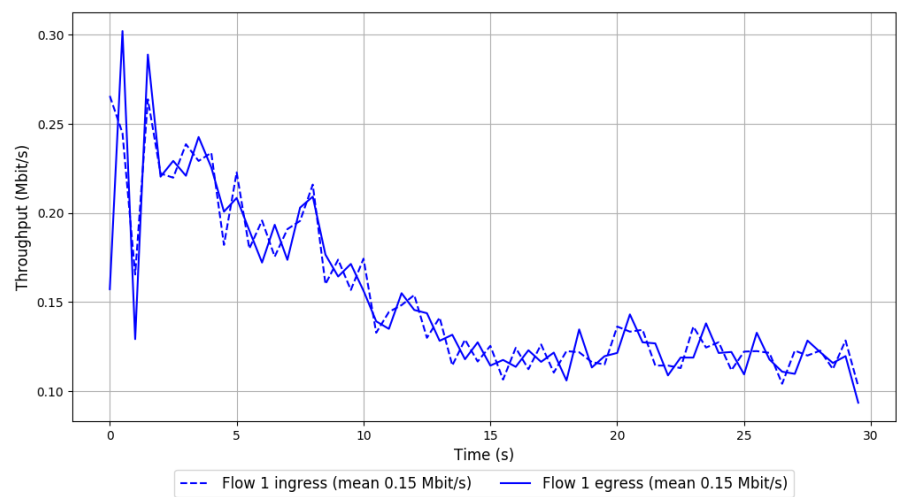


Run 8: Statistics of SCReAM

Start at: 2017-08-21 20:19:29
End at: 2017-08-21 20:19:59
Local clock offset: 0.187 ms
Remote clock offset: -0.517 ms

Below is generated by plot.py at 2017-08-22 01:04:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 141.819 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 141.819 ms
Loss rate: 0.85%

Run 8: Report of SReAM — Data Link

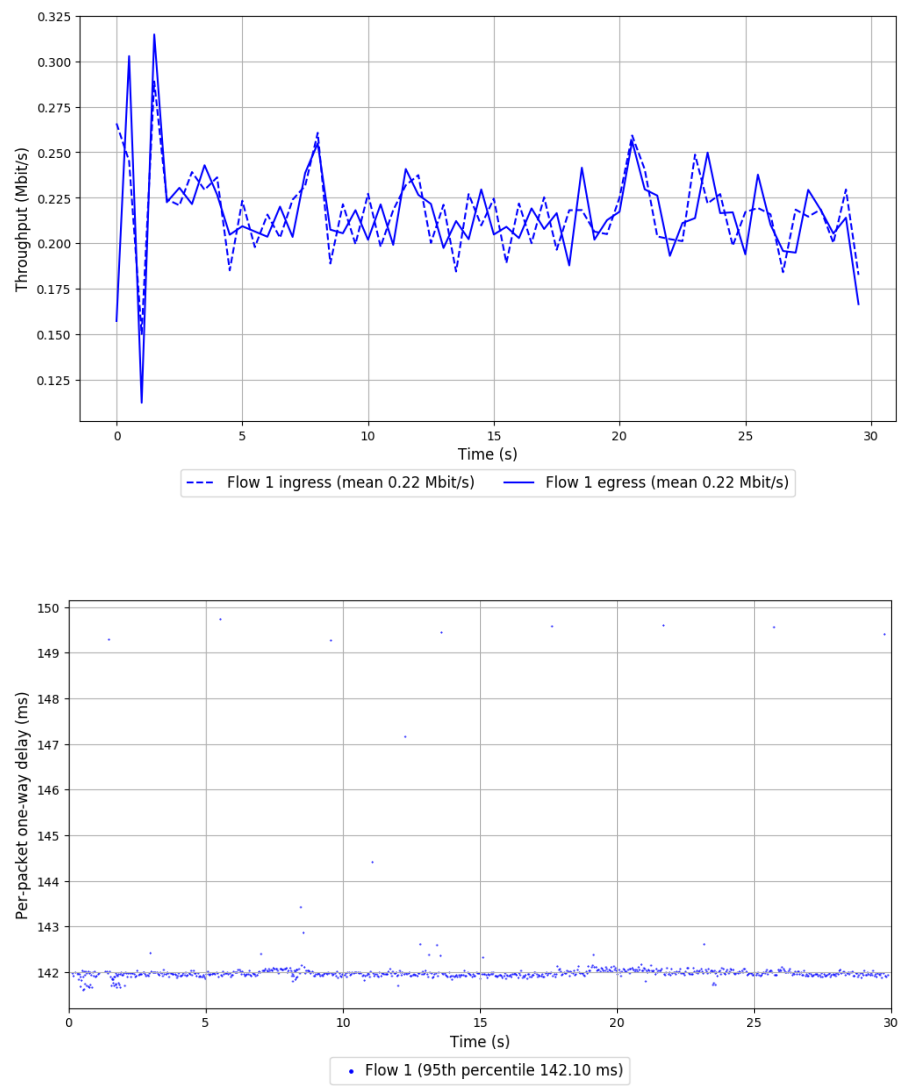


Run 9: Statistics of SCReAM

Start at: 2017-08-21 20:40:49
End at: 2017-08-21 20:41:19
Local clock offset: 0.31 ms
Remote clock offset: -0.813 ms

Below is generated by plot.py at 2017-08-22 01:04:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 142.104 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 142.104 ms
Loss rate: 0.64%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2017-08-21 21:02:03

End at: 2017-08-21 21:02:33

Local clock offset: 0.293 ms

Remote clock offset: -1.0 ms

Below is generated by plot.py at 2017-08-22 01:04:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 141.746 ms

Loss rate: 0.74%

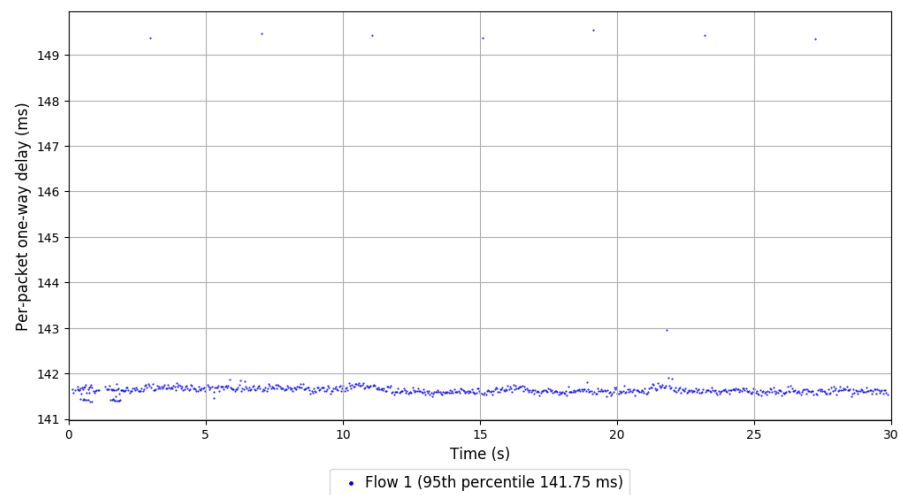
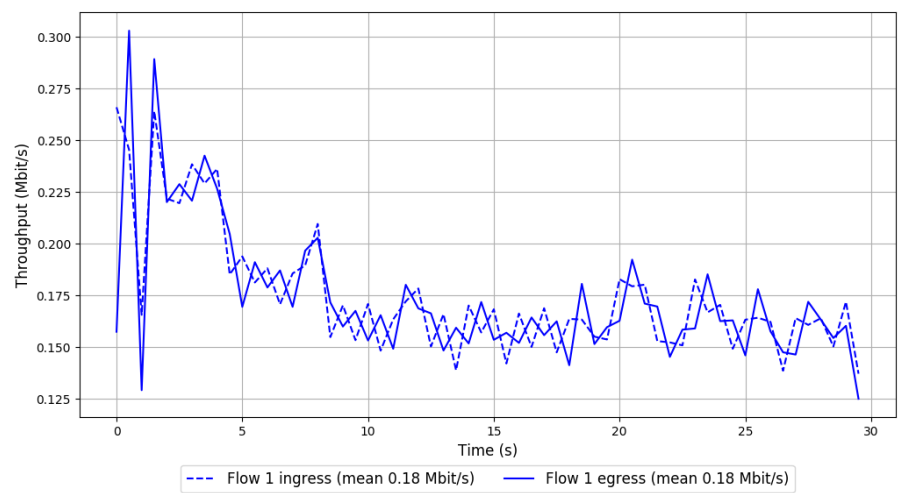
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 141.746 ms

Loss rate: 0.74%

Run 10: Report of SReAM — Data Link

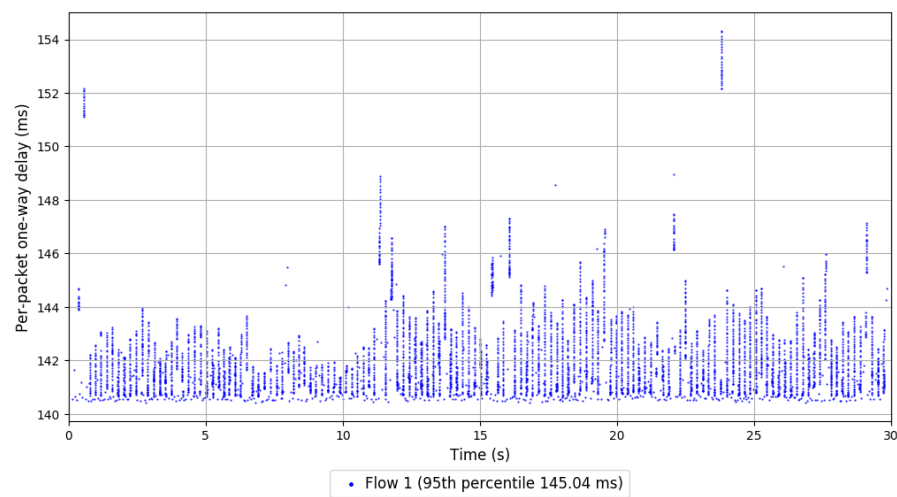
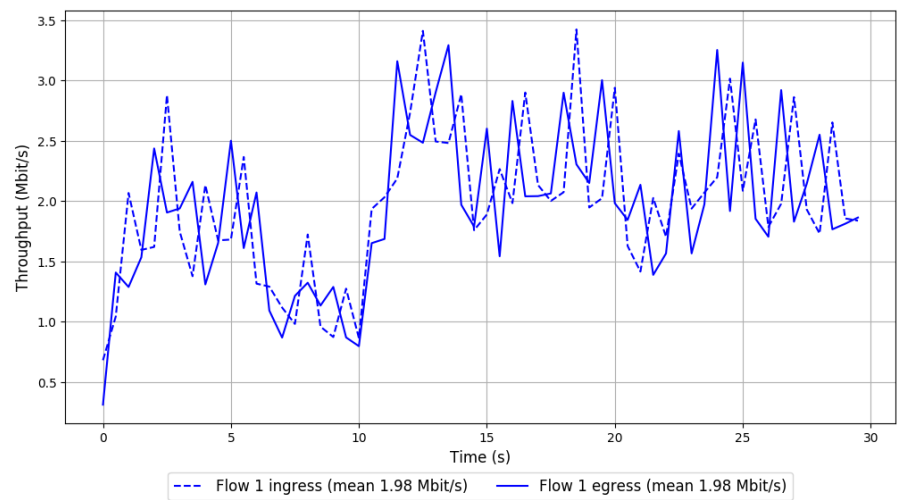


Run 1: Statistics of Sprout

Start at: 2017-08-21 17:48:18
End at: 2017-08-21 17:48:48
Local clock offset: 0.552 ms
Remote clock offset: -0.309 ms

Below is generated by plot.py at 2017-08-22 01:04:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 145.042 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 145.042 ms
Loss rate: 0.91%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

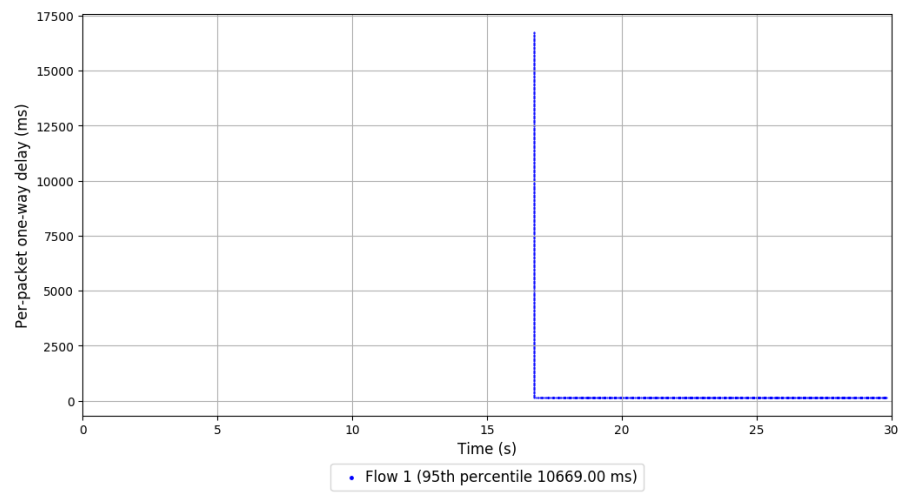
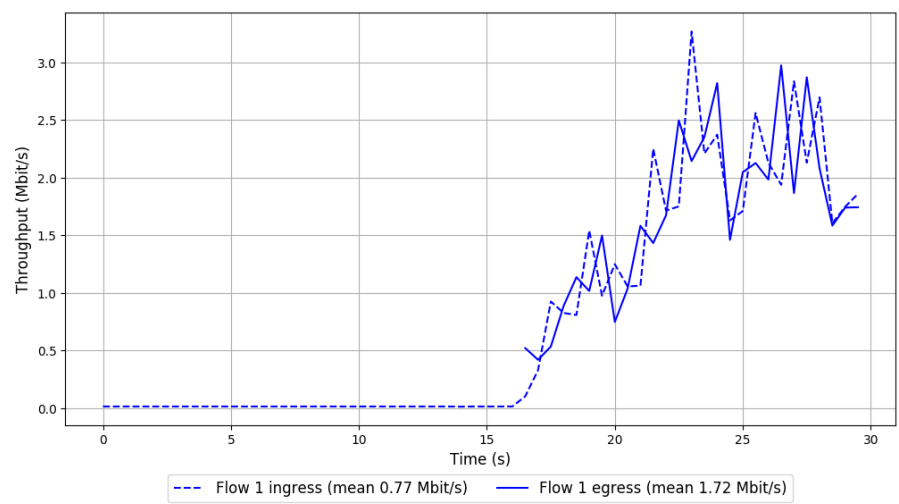
Start at: 2017-08-21 18:09:48

End at: 2017-08-21 18:10:18

Local clock offset: 1.121 ms

Remote clock offset: 0.058 ms

Run 2: Report of Sprout — Data Link

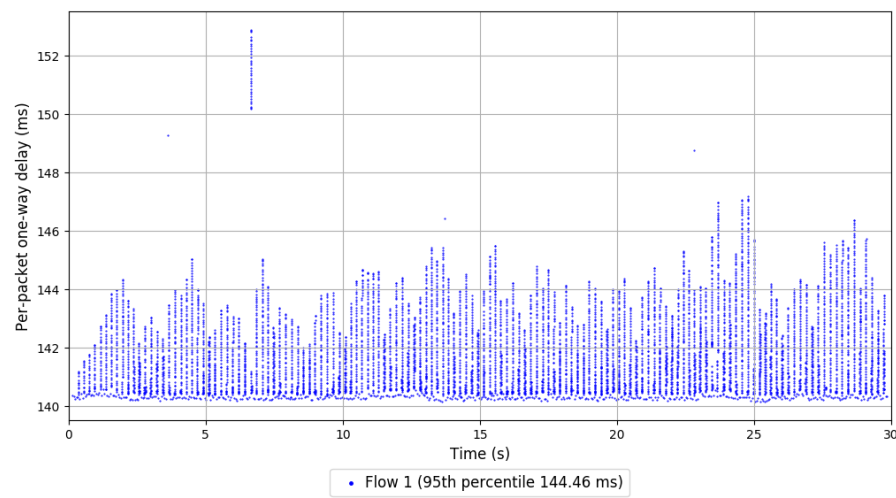
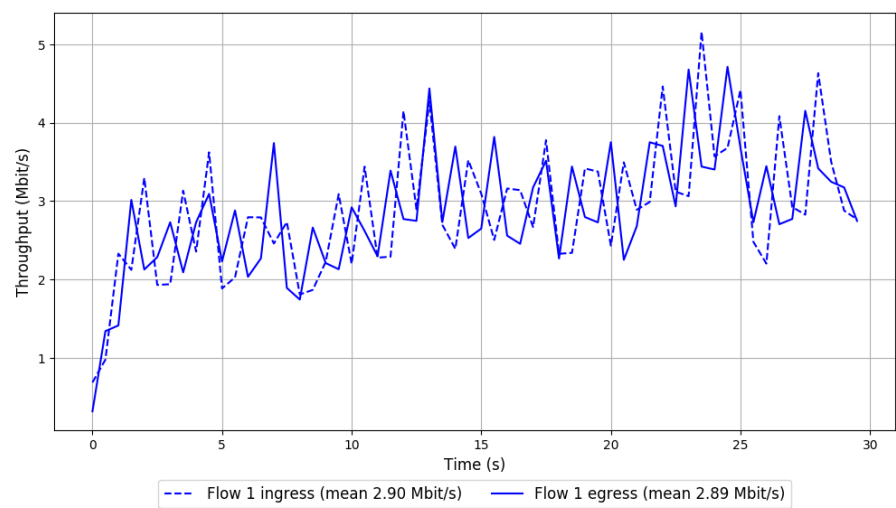


Run 3: Statistics of Sprout

Start at: 2017-08-21 18:31:15
End at: 2017-08-21 18:31:45
Local clock offset: -0.379 ms
Remote clock offset: 0.264 ms

Below is generated by plot.py at 2017-08-22 01:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 144.456 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 144.456 ms
Loss rate: 1.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

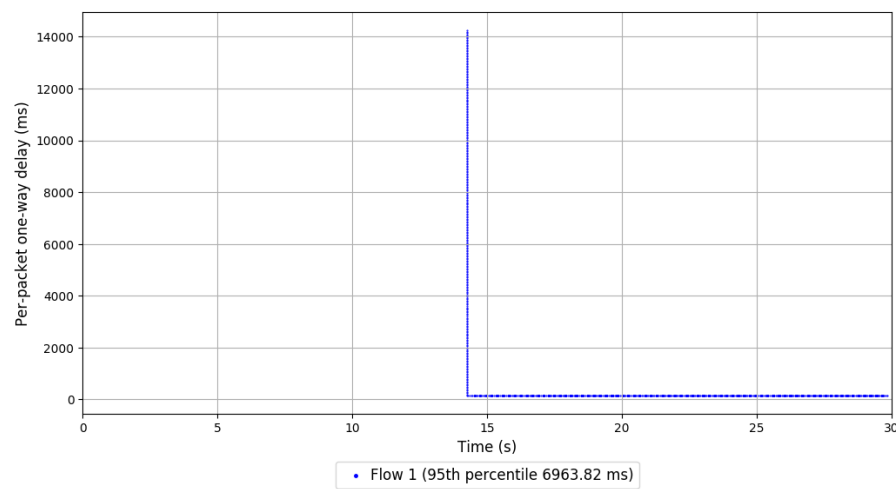
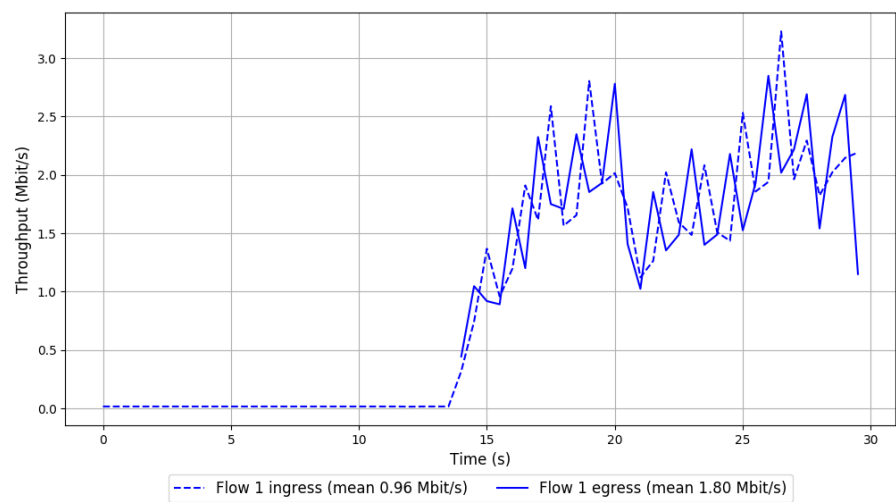
Start at: 2017-08-21 18:52:16

End at: 2017-08-21 18:52:46

Local clock offset: 0.736 ms

Remote clock offset: 0.435 ms

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-08-21 19:13:47

End at: 2017-08-21 19:14:17

Local clock offset: 0.035 ms

Remote clock offset: 0.48 ms

Below is generated by plot.py at 2017-08-22 01:04:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 144.794 ms

Loss rate: 1.27%

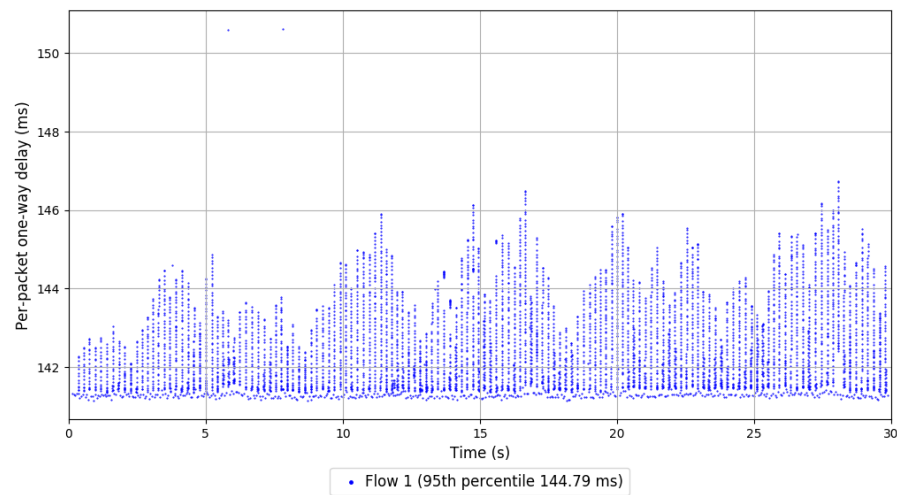
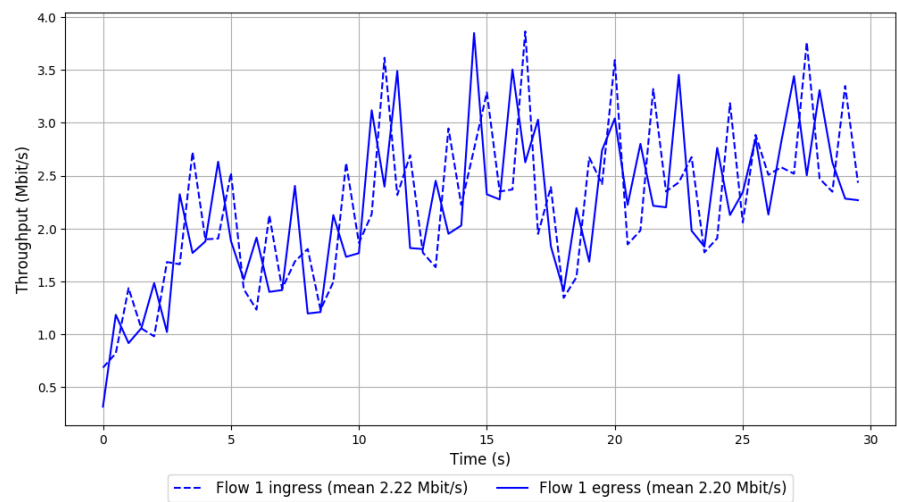
-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 144.794 ms

Loss rate: 1.27%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2017-08-21 19:35:29

End at: 2017-08-21 19:35:59

Local clock offset: -0.069 ms

Remote clock offset: 0.244 ms

Below is generated by plot.py at 2017-08-22 01:04:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 145.440 ms

Loss rate: 0.96%

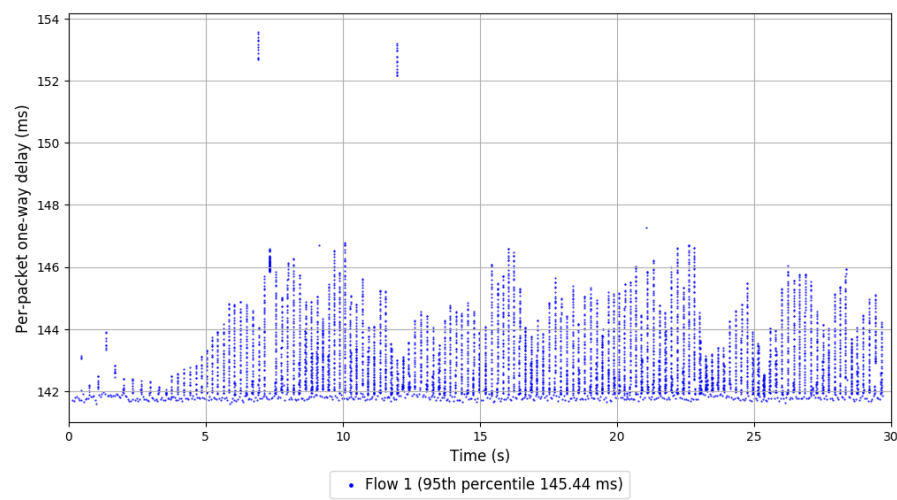
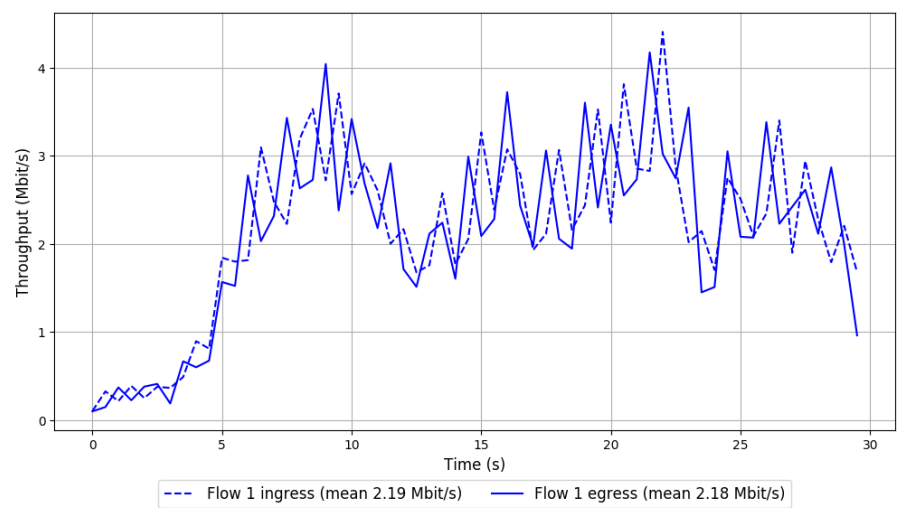
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 145.440 ms

Loss rate: 0.96%

Run 6: Report of Sprout — Data Link

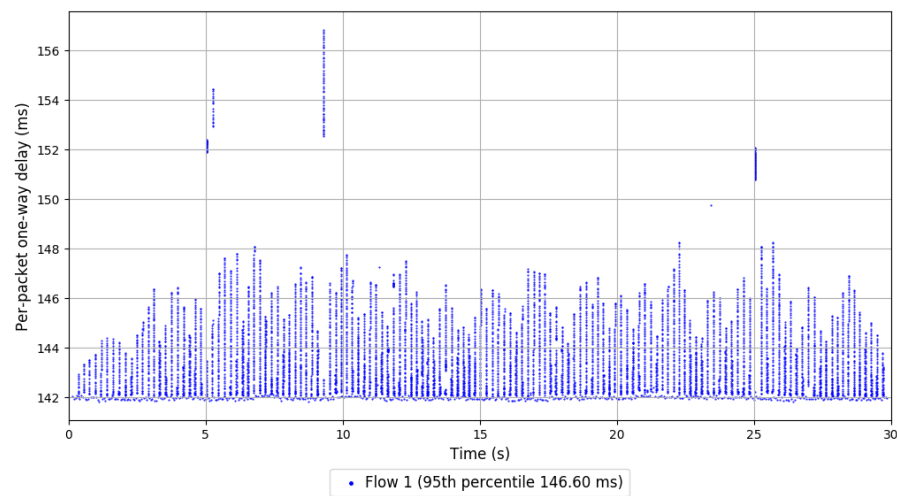
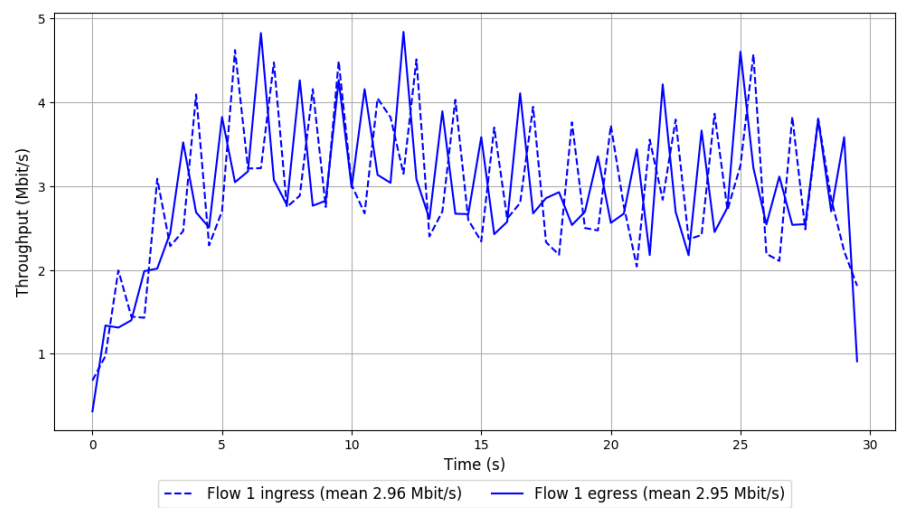


Run 7: Statistics of Sprout

Start at: 2017-08-21 19:56:49
End at: 2017-08-21 19:57:19
Local clock offset: 0.527 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2017-08-22 01:04:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 146.600 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 146.600 ms
Loss rate: 0.71%

Run 7: Report of Sprout — Data Link

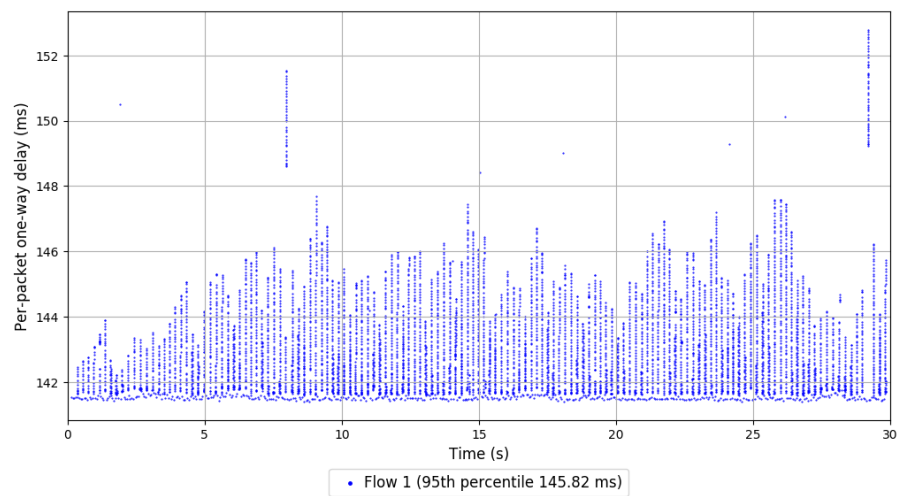
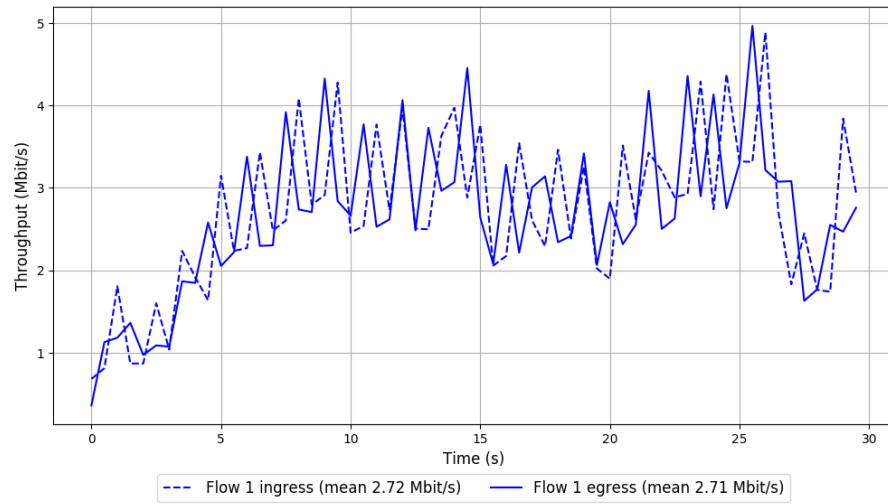


Run 8: Statistics of Sprout

Start at: 2017-08-21 20:18:16
End at: 2017-08-21 20:18:46
Local clock offset: 0.131 ms
Remote clock offset: -0.555 ms

Below is generated by plot.py at 2017-08-22 01:04:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 145.822 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 145.822 ms
Loss rate: 1.09%

Run 8: Report of Sprout — Data Link

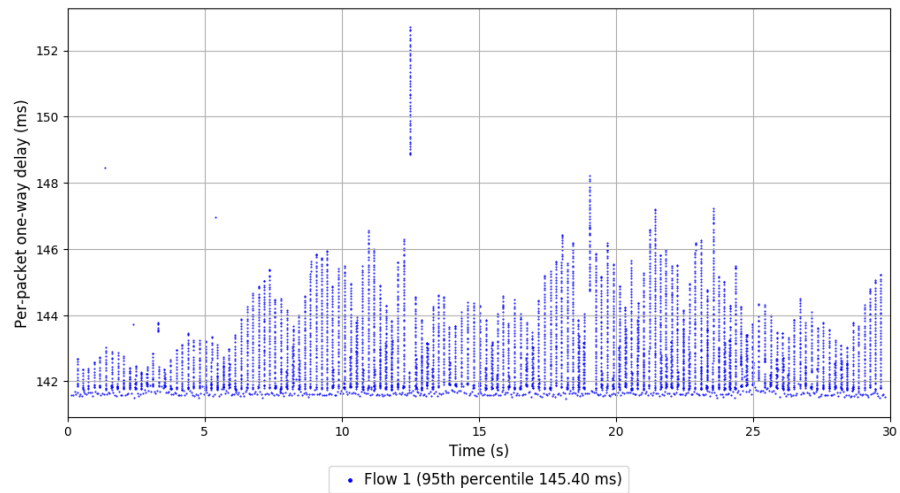
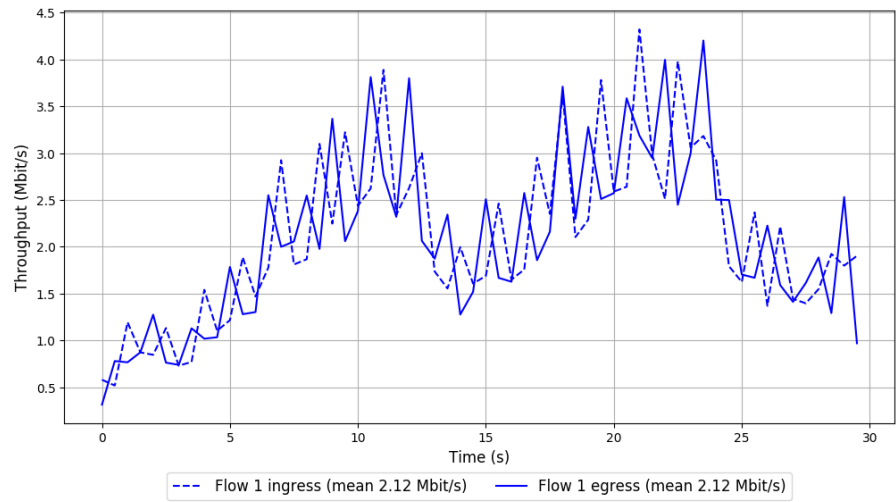


Run 9: Statistics of Sprout

Start at: 2017-08-21 20:39:36
End at: 2017-08-21 20:40:06
Local clock offset: 0.302 ms
Remote clock offset: -0.787 ms

Below is generated by plot.py at 2017-08-22 01:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 145.401 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 145.401 ms
Loss rate: 0.84%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-08-21 21:00:50

End at: 2017-08-21 21:01:21

Local clock offset: 0.577 ms

Remote clock offset: -1.023 ms

Below is generated by plot.py at 2017-08-22 01:04:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 145.972 ms

Loss rate: 0.32%

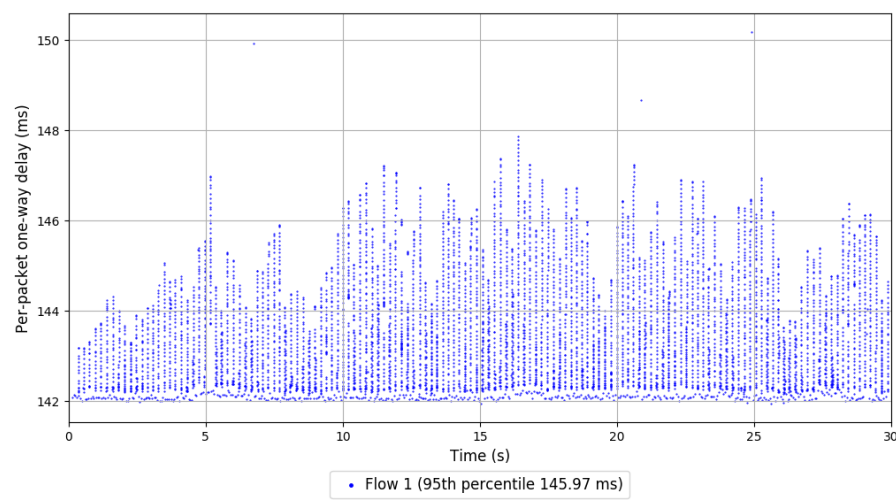
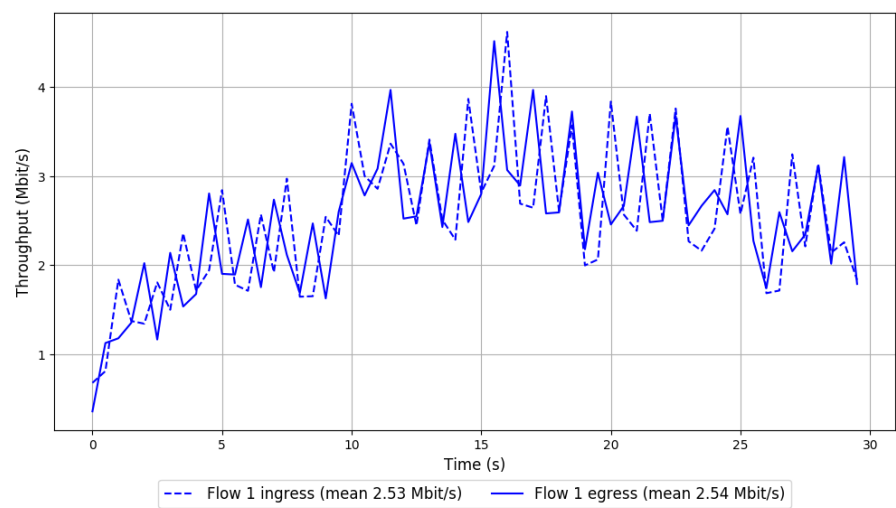
-- Flow 1:

Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 145.972 ms

Loss rate: 0.32%

Run 10: Report of Sprout — Data Link

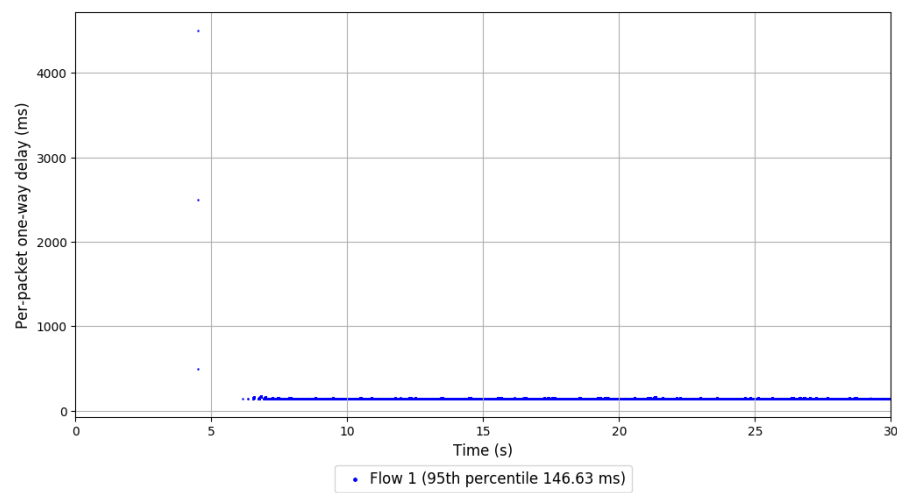
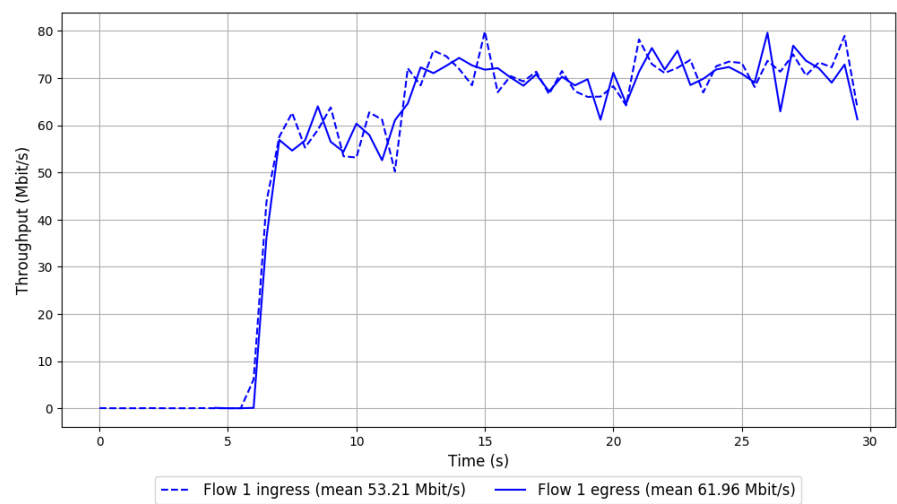


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-08-21 18:02:54
End at: 2017-08-21 18:03:24
Local clock offset: 0.78 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2017-08-22 01:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.96 Mbit/s
95th percentile per-packet one-way delay: 146.635 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 61.96 Mbit/s
95th percentile per-packet one-way delay: 146.635 ms
Loss rate: 1.21%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2017-08-21 18:23:53

End at: 2017-08-21 18:24:23

Local clock offset: 0.559 ms

Remote clock offset: 0.223 ms

Below is generated by plot.py at 2017-08-22 01:05:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.93 Mbit/s

95th percentile per-packet one-way delay: 146.375 ms

Loss rate: 0.90%

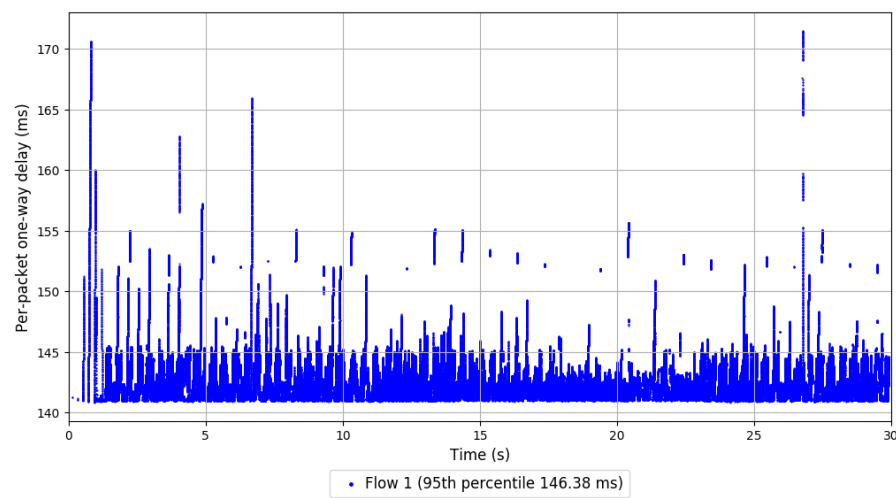
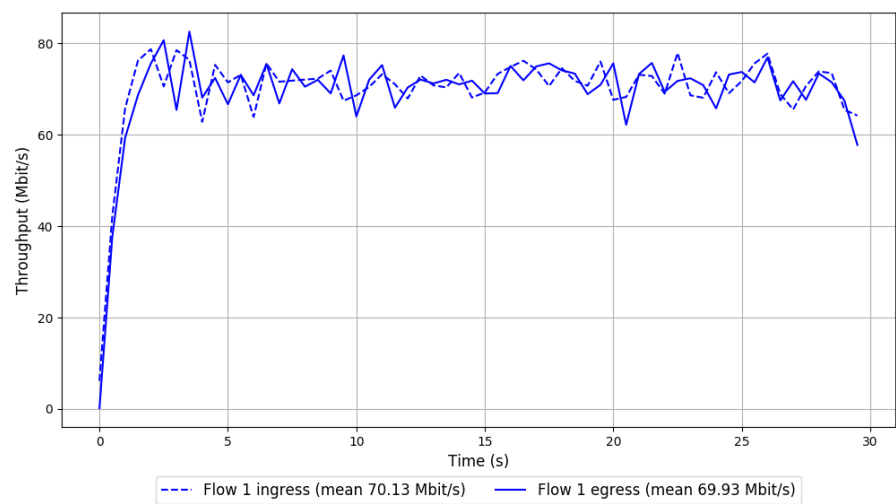
-- Flow 1:

Average throughput: 69.93 Mbit/s

95th percentile per-packet one-way delay: 146.375 ms

Loss rate: 0.90%

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



Run 3: Statistics of TaoVA-100x

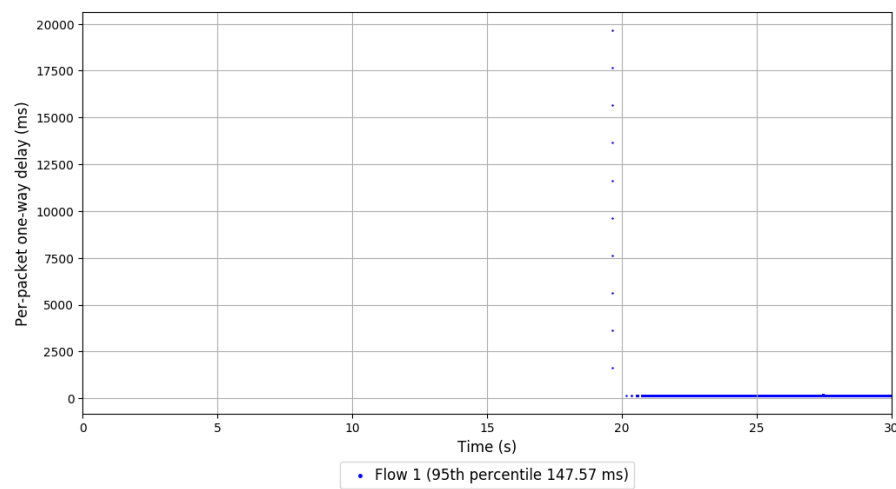
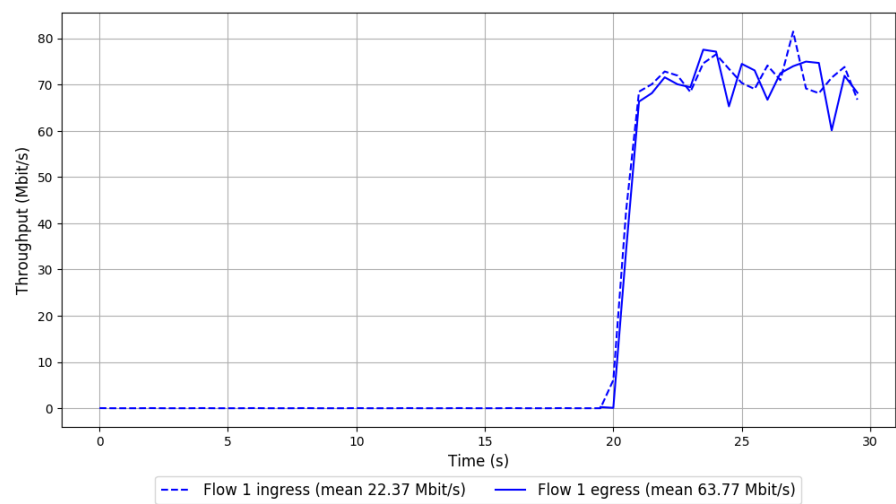
Start at: 2017-08-21 18:45:40

End at: 2017-08-21 18:46:10

Local clock offset: -0.14 ms

Remote clock offset: 0.319 ms

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



Run 4: Statistics of TaoVA-100x

Start at: 2017-08-21 19:06:38

End at: 2017-08-21 19:07:08

Local clock offset: 0.15 ms

Remote clock offset: 0.447 ms

Below is generated by plot.py at 2017-08-22 01:05:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.70 Mbit/s

95th percentile per-packet one-way delay: 146.649 ms

Loss rate: 0.92%

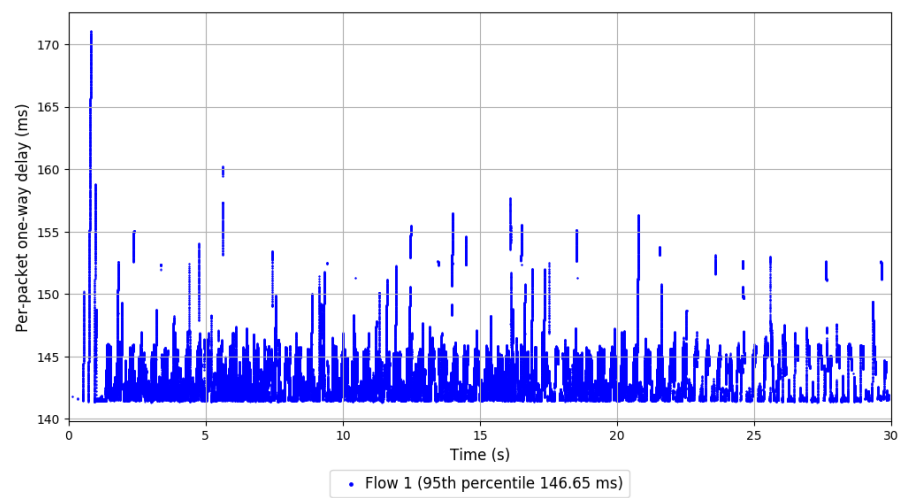
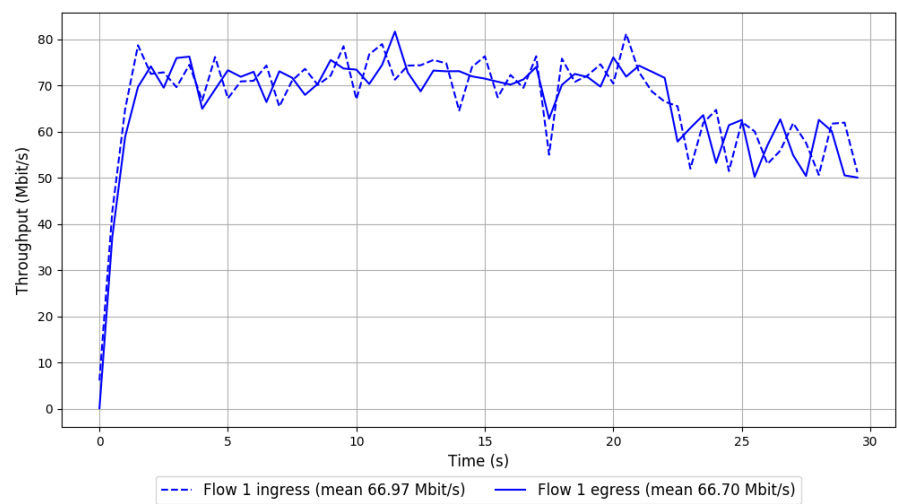
-- Flow 1:

Average throughput: 66.70 Mbit/s

95th percentile per-packet one-way delay: 146.649 ms

Loss rate: 0.92%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-08-21 19:28:28

End at: 2017-08-21 19:28:58

Local clock offset: -0.067 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2017-08-22 01:05:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.25 Mbit/s

95th percentile per-packet one-way delay: 147.282 ms

Loss rate: 0.97%

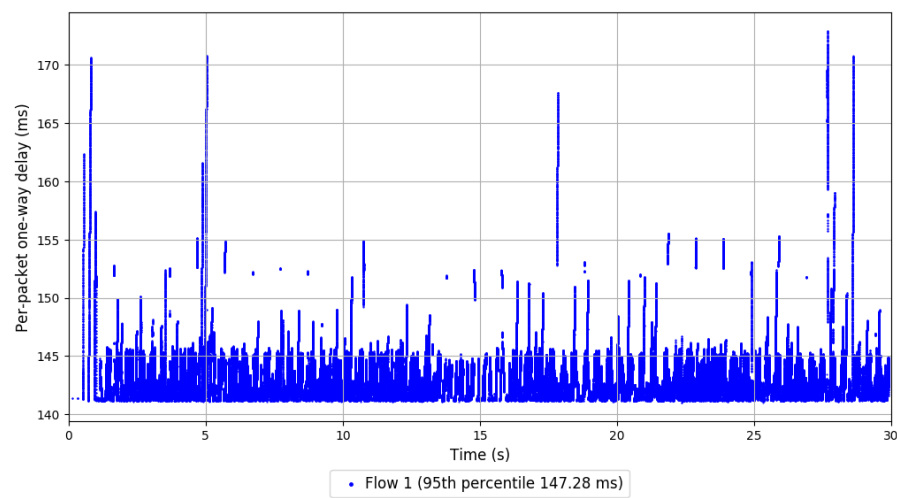
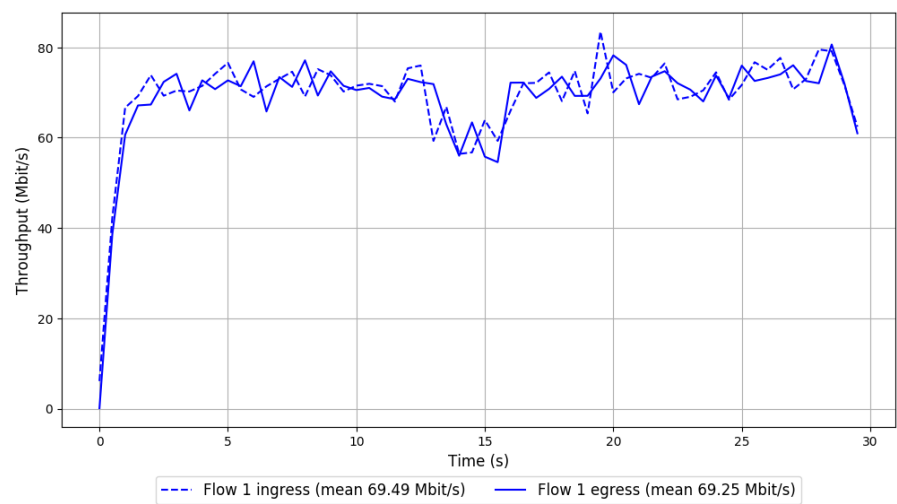
-- Flow 1:

Average throughput: 69.25 Mbit/s

95th percentile per-packet one-way delay: 147.282 ms

Loss rate: 0.97%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-08-21 19:49:34

End at: 2017-08-21 19:50:04

Local clock offset: -0.029 ms

Remote clock offset: -0.076 ms

Below is generated by plot.py at 2017-08-22 01:05:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.36 Mbit/s

95th percentile per-packet one-way delay: 148.163 ms

Loss rate: 0.96%

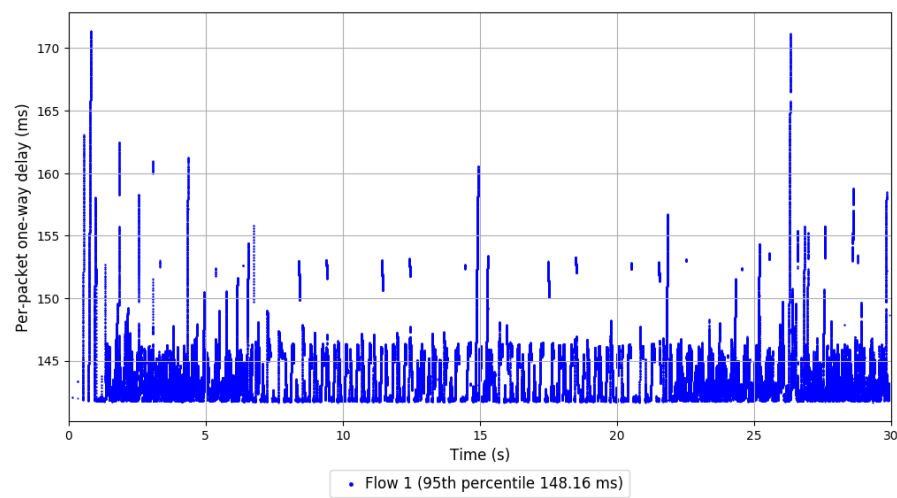
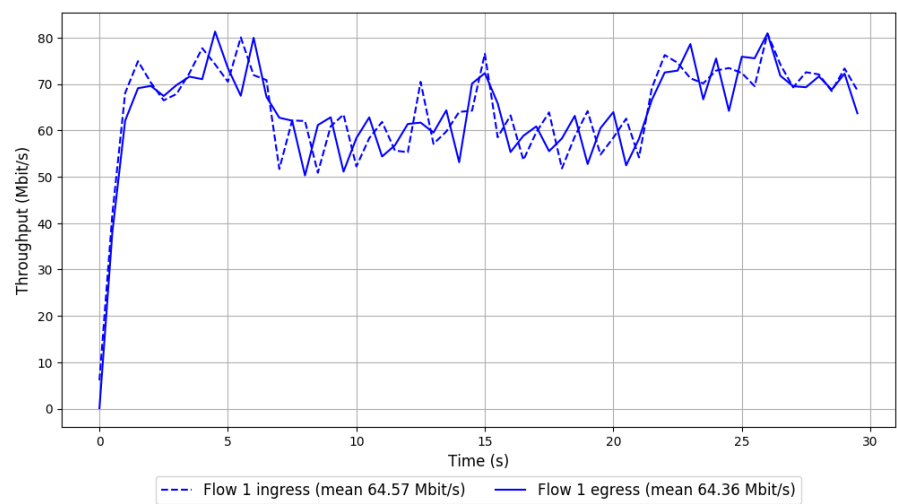
-- Flow 1:

Average throughput: 64.36 Mbit/s

95th percentile per-packet one-way delay: 148.163 ms

Loss rate: 0.96%

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

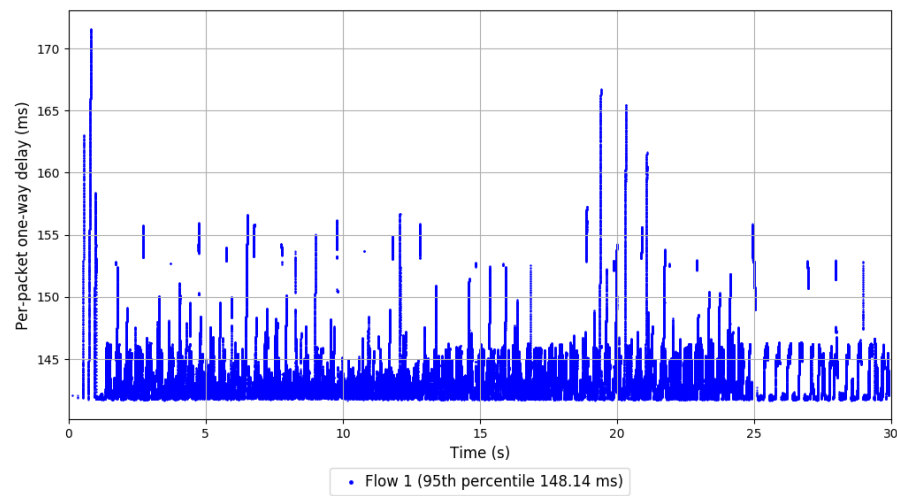
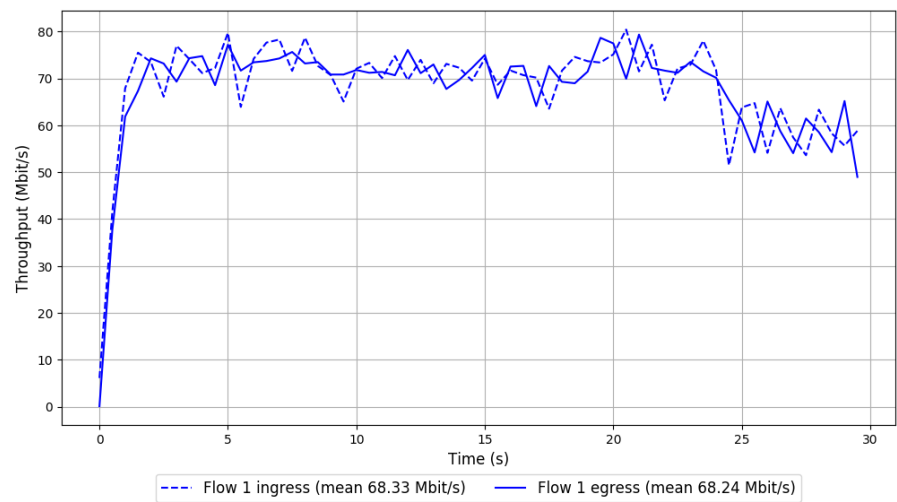


Run 7: Statistics of TaoVA-100x

Start at: 2017-08-21 20:11:03
End at: 2017-08-21 20:11:33
Local clock offset: 0.061 ms
Remote clock offset: -0.396 ms

Below is generated by plot.py at 2017-08-22 01:05:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.24 Mbit/s
95th percentile per-packet one-way delay: 148.137 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 68.24 Mbit/s
95th percentile per-packet one-way delay: 148.137 ms
Loss rate: 0.77%

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



Run 8: Statistics of TaoVA-100x

Start at: 2017-08-21 20:32:24

End at: 2017-08-21 20:32:54

Local clock offset: 0.246 ms

Remote clock offset: -0.722 ms

Below is generated by plot.py at 2017-08-22 01:05:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.19 Mbit/s

95th percentile per-packet one-way delay: 150.245 ms

Loss rate: 1.17%

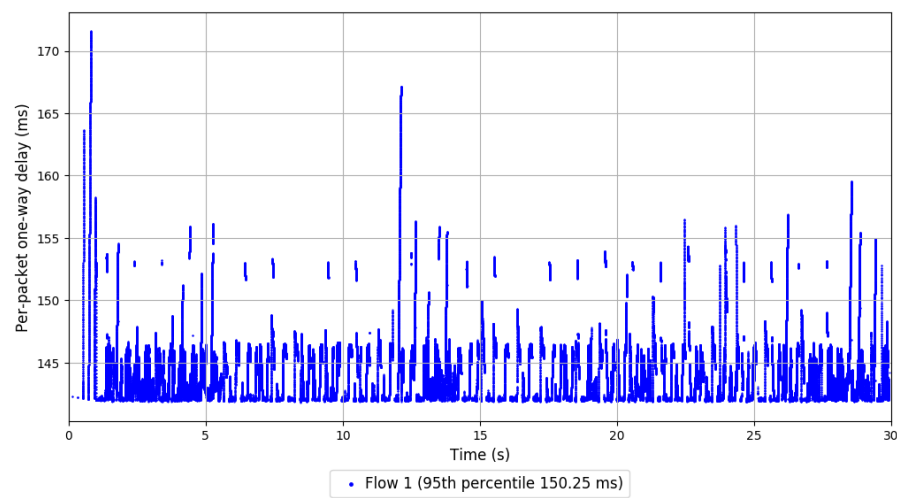
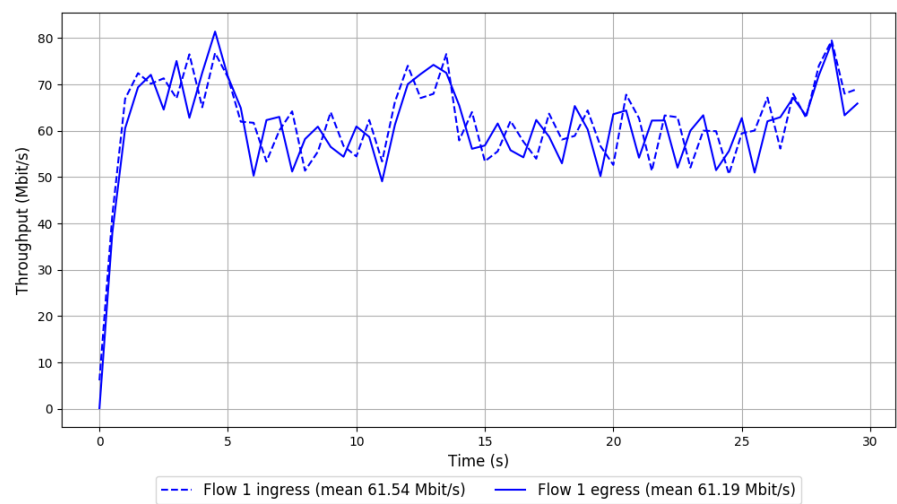
-- Flow 1:

Average throughput: 61.19 Mbit/s

95th percentile per-packet one-way delay: 150.245 ms

Loss rate: 1.17%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-08-21 20:54:05

End at: 2017-08-21 20:54:35

Local clock offset: 0.453 ms

Remote clock offset: -0.934 ms

Below is generated by plot.py at 2017-08-22 01:05:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.86 Mbit/s

95th percentile per-packet one-way delay: 148.029 ms

Loss rate: 1.03%

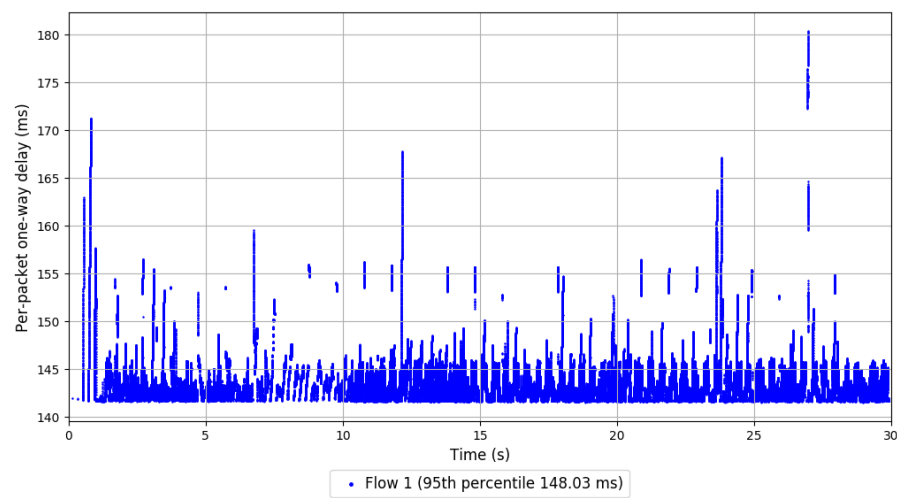
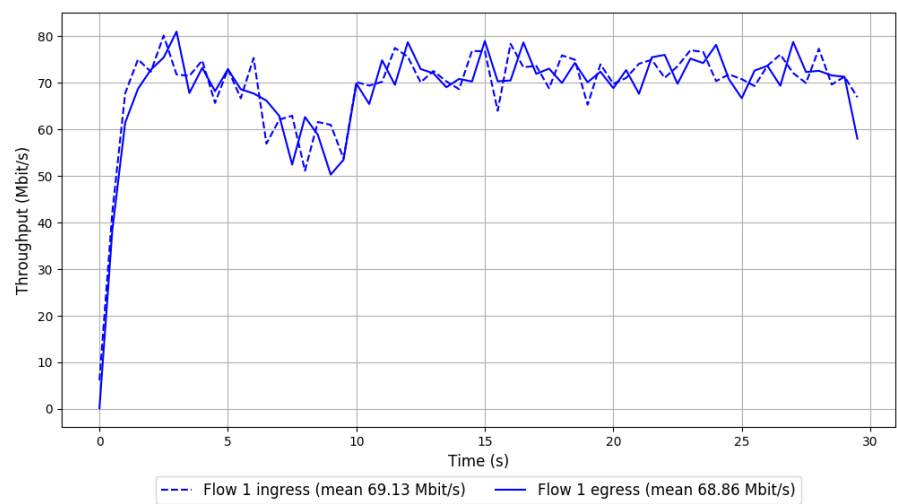
-- Flow 1:

Average throughput: 68.86 Mbit/s

95th percentile per-packet one-way delay: 148.029 ms

Loss rate: 1.03%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-08-21 21:15:26

End at: 2017-08-21 21:15:56

Local clock offset: 0.446 ms

Remote clock offset: -1.097 ms

Below is generated by plot.py at 2017-08-22 01:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.29 Mbit/s

95th percentile per-packet one-way delay: 146.931 ms

Loss rate: 1.11%

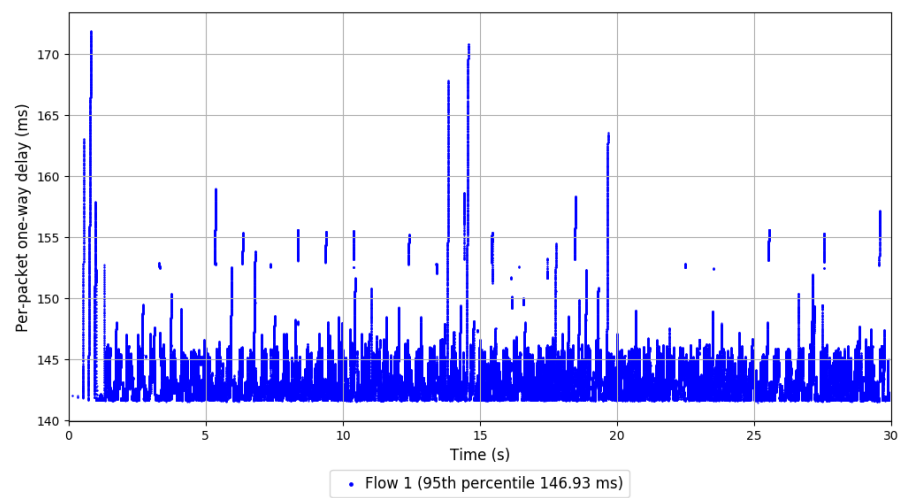
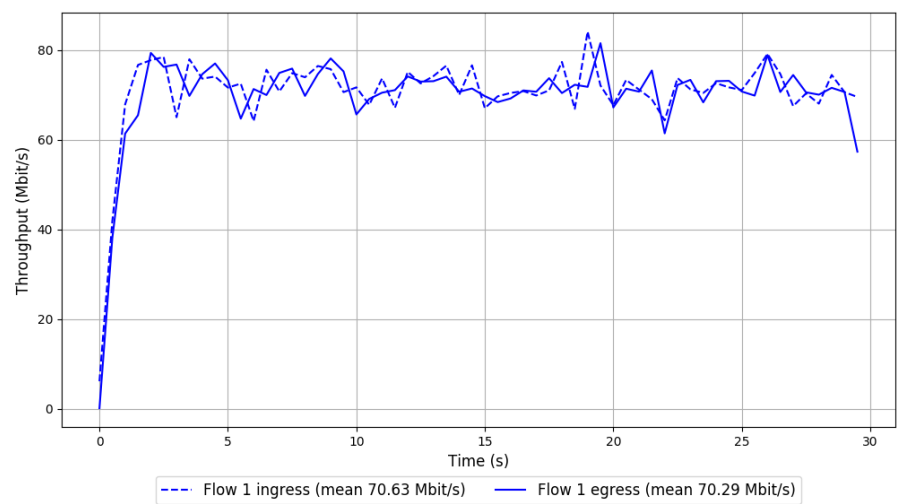
-- Flow 1:

Average throughput: 70.29 Mbit/s

95th percentile per-packet one-way delay: 146.931 ms

Loss rate: 1.11%

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



Run 1: Statistics of TCP Vegas

Start at: 2017-08-21 18:04:42

End at: 2017-08-21 18:05:12

Local clock offset: 1.966 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2017-08-22 01:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 143.381 ms

Loss rate: 0.99%

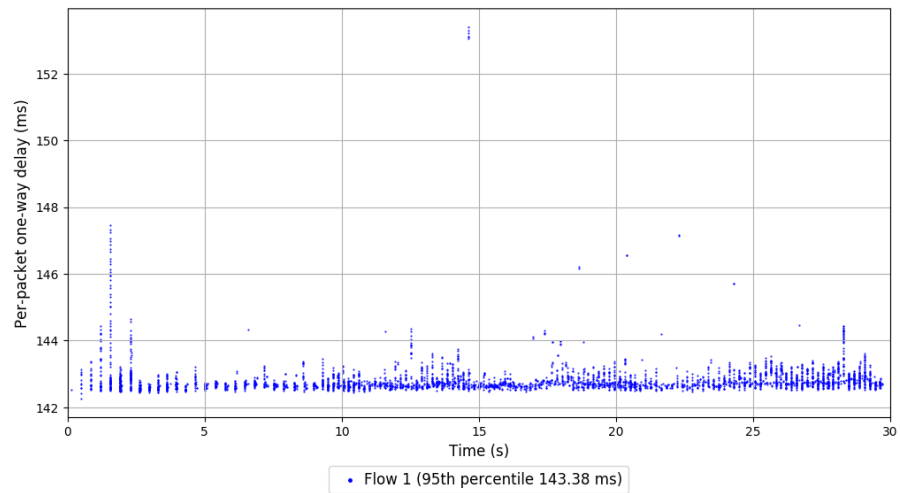
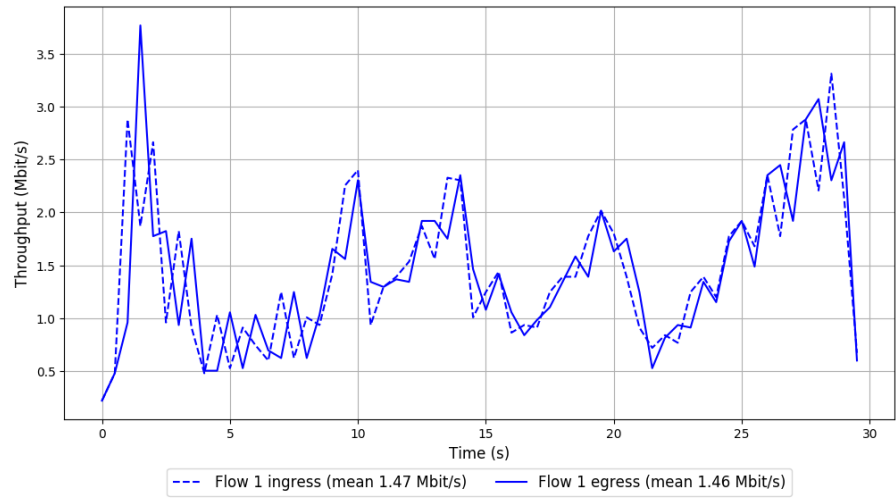
-- Flow 1:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 143.381 ms

Loss rate: 0.99%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-08-21 18:26:07

End at: 2017-08-21 18:26:37

Local clock offset: 0.933 ms

Remote clock offset: 0.213 ms

Below is generated by plot.py at 2017-08-22 01:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 164.027 ms

Loss rate: 0.41%

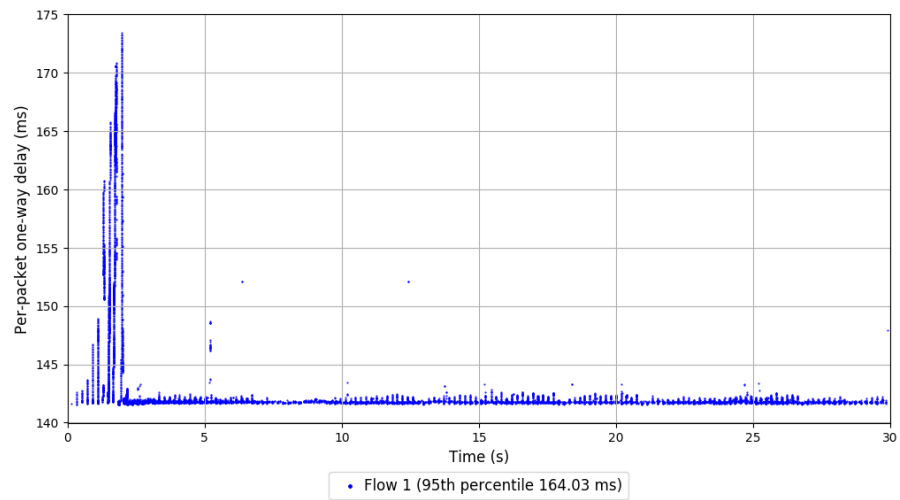
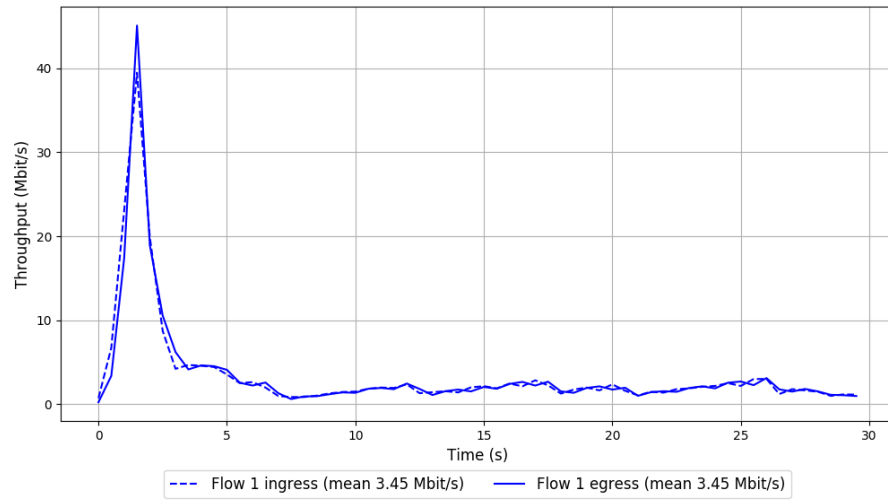
-- Flow 1:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 164.027 ms

Loss rate: 0.41%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2017-08-21 18:47:07

End at: 2017-08-21 18:47:37

Local clock offset: 1.229 ms

Remote clock offset: 0.351 ms

Below is generated by plot.py at 2017-08-22 01:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 153.413 ms

Loss rate: 0.38%

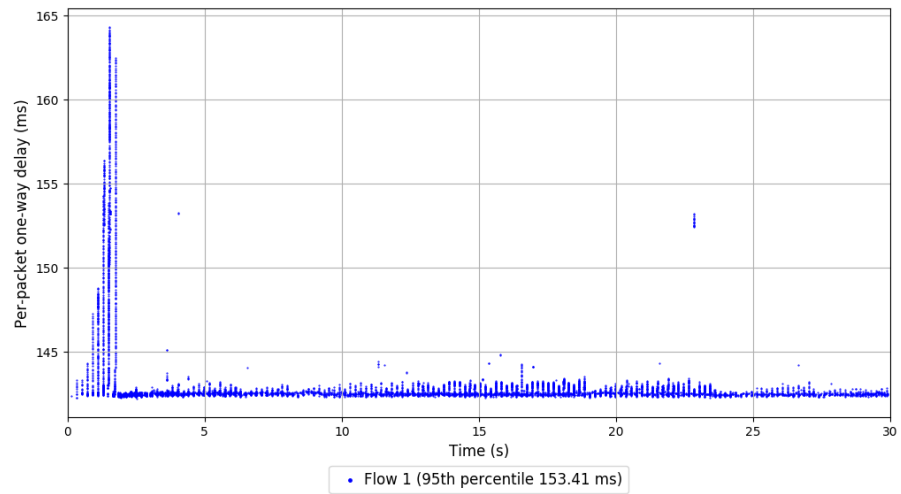
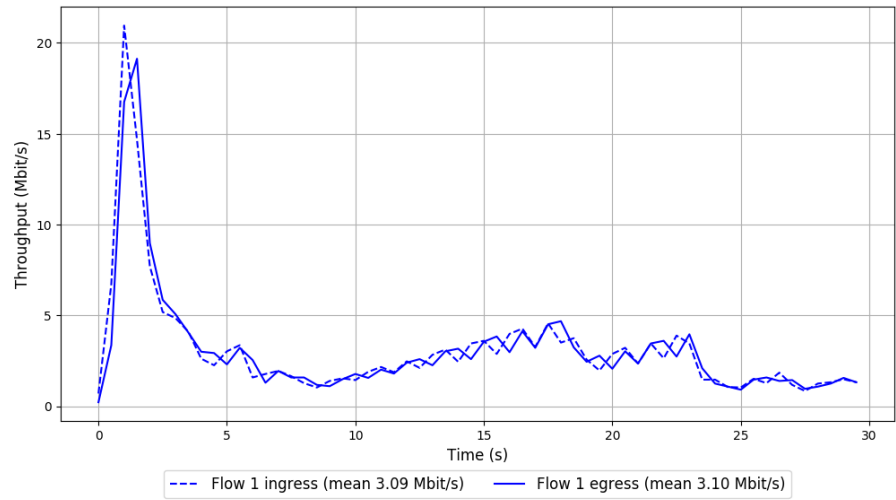
-- Flow 1:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 153.413 ms

Loss rate: 0.38%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2017-08-21 19:08:35

End at: 2017-08-21 19:09:05

Local clock offset: 0.201 ms

Remote clock offset: 0.562 ms

Below is generated by plot.py at 2017-08-22 01:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 146.549 ms

Loss rate: 0.56%

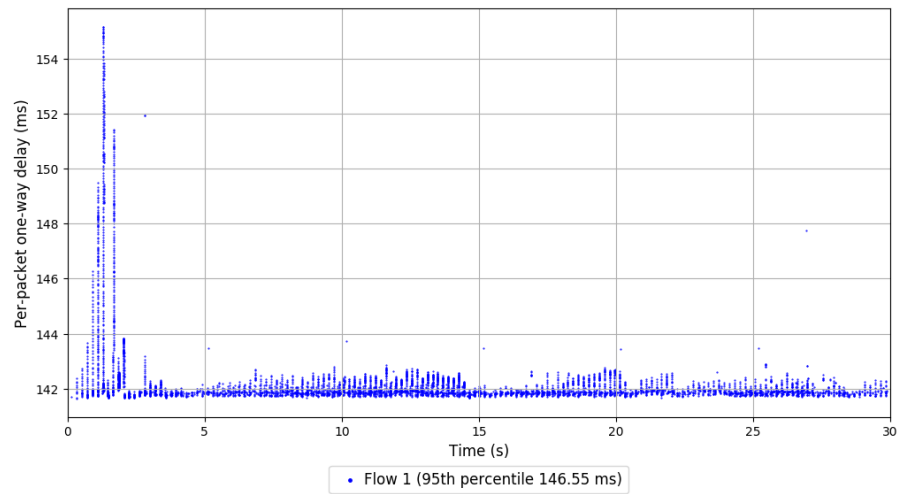
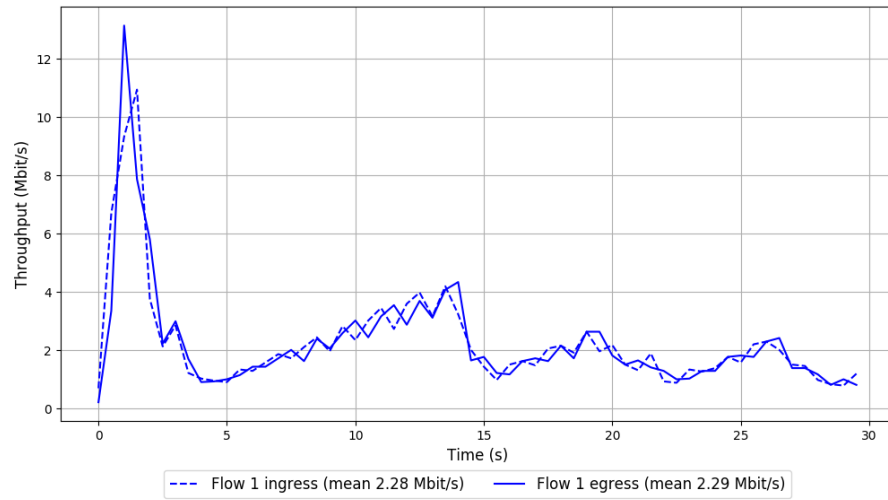
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 146.549 ms

Loss rate: 0.56%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-08-21 19:30:21

End at: 2017-08-21 19:30:51

Local clock offset: -0.069 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2017-08-22 01:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.62 Mbit/s

95th percentile per-packet one-way delay: 146.758 ms

Loss rate: 0.54%

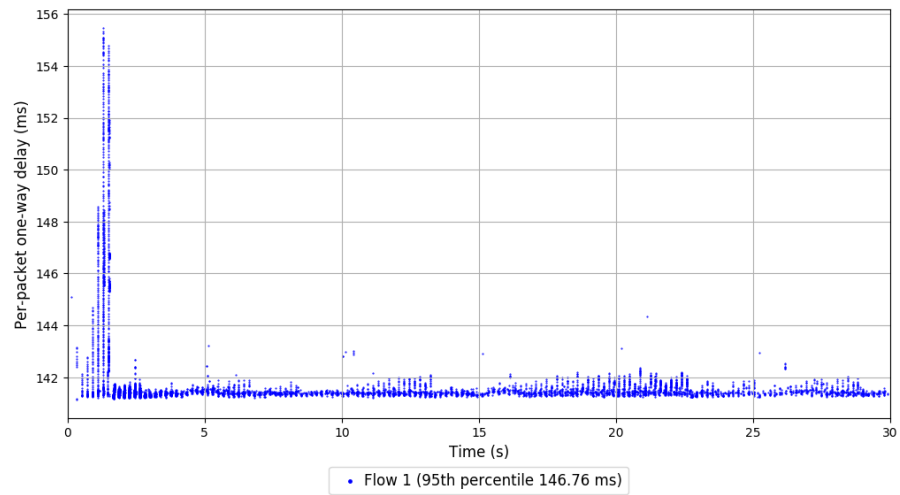
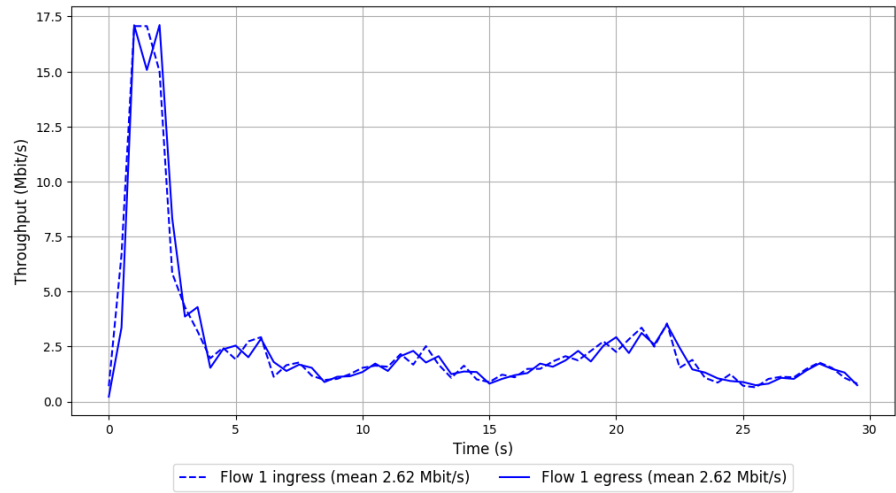
-- Flow 1:

Average throughput: 2.62 Mbit/s

95th percentile per-packet one-way delay: 146.758 ms

Loss rate: 0.54%

Run 5: Report of TCP Vegas — Data Link

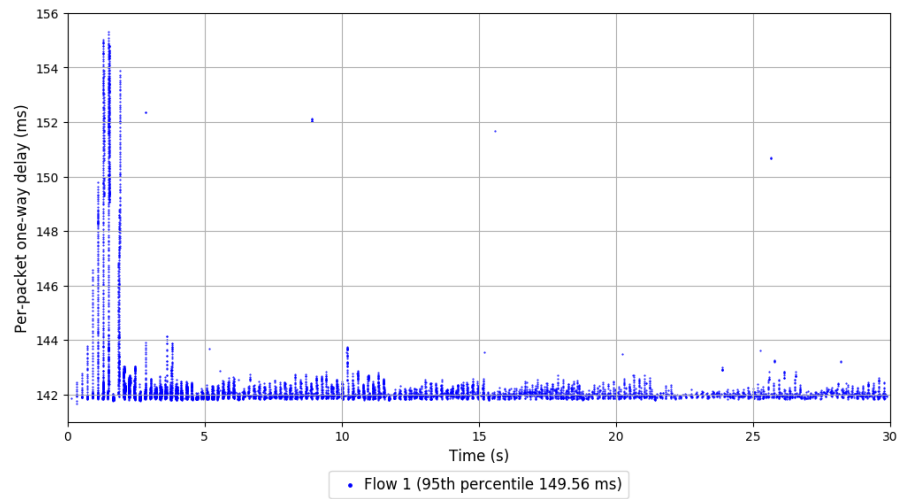
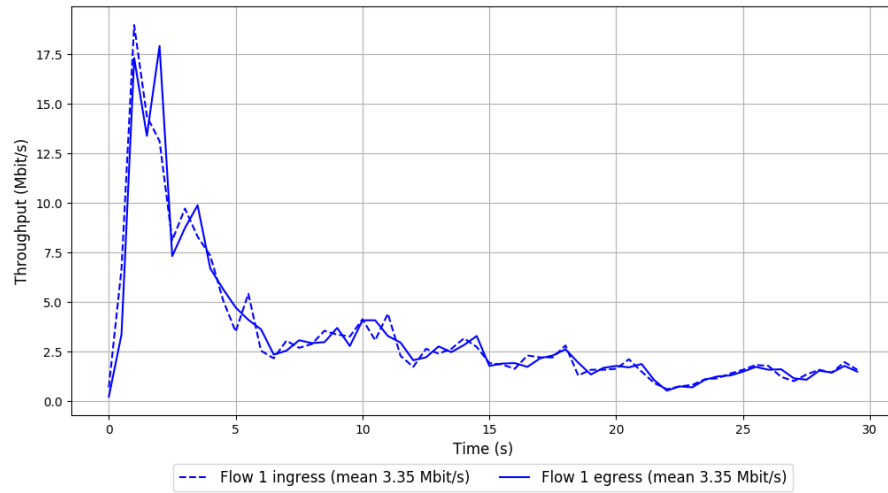


Run 6: Statistics of TCP Vegas

Start at: 2017-08-21 19:51:36
End at: 2017-08-21 19:52:06
Local clock offset: -0.024 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2017-08-22 01:06:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.35 Mbit/s
95th percentile per-packet one-way delay: 149.558 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 3.35 Mbit/s
95th percentile per-packet one-way delay: 149.558 ms
Loss rate: 0.57%

Run 6: Report of TCP Vegas — Data Link

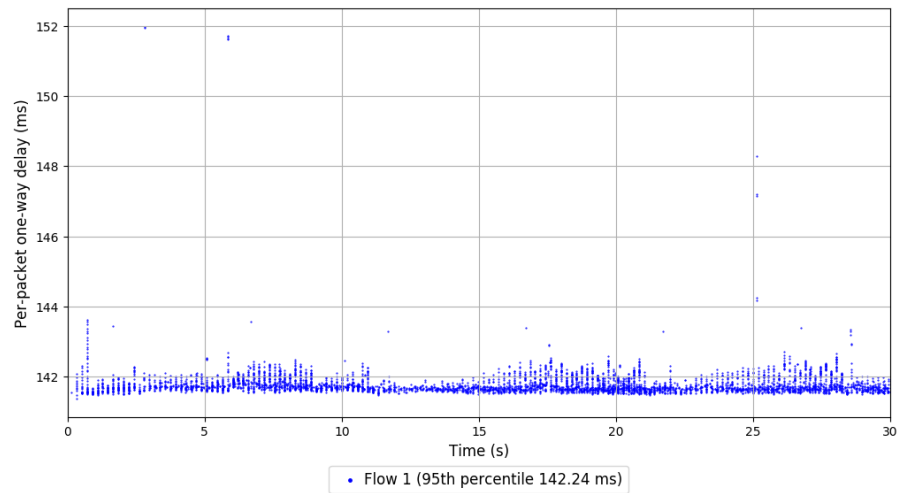
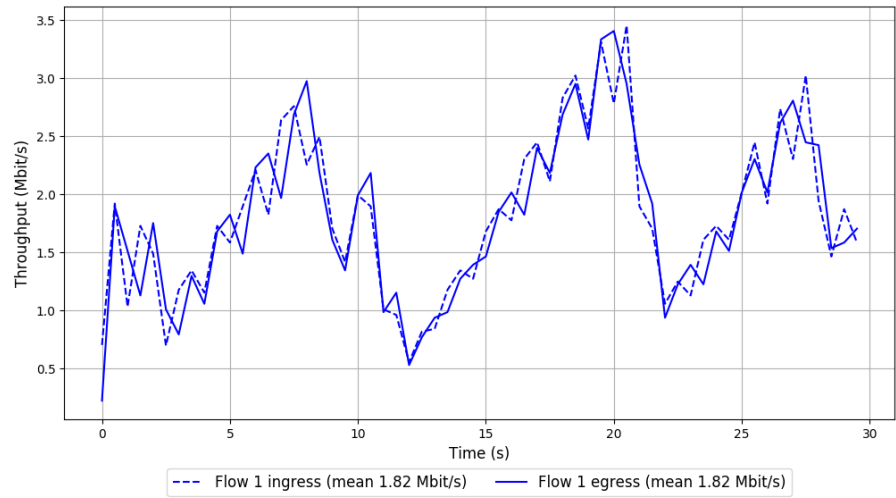


Run 7: Statistics of TCP Vegas

Start at: 2017-08-21 20:13:04
End at: 2017-08-21 20:13:34
Local clock offset: 0.128 ms
Remote clock offset: -0.392 ms

Below is generated by plot.py at 2017-08-22 01:06:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 142.239 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 142.239 ms
Loss rate: 0.66%

Run 7: Report of TCP Vegas — Data Link

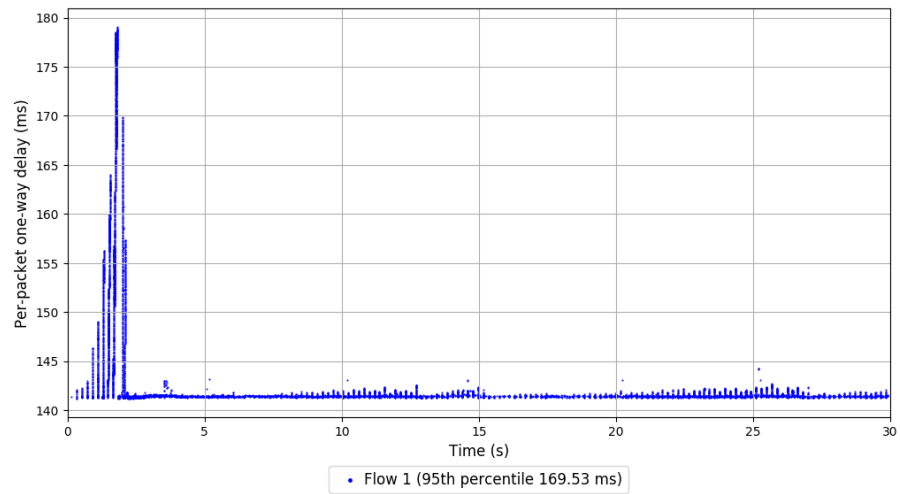
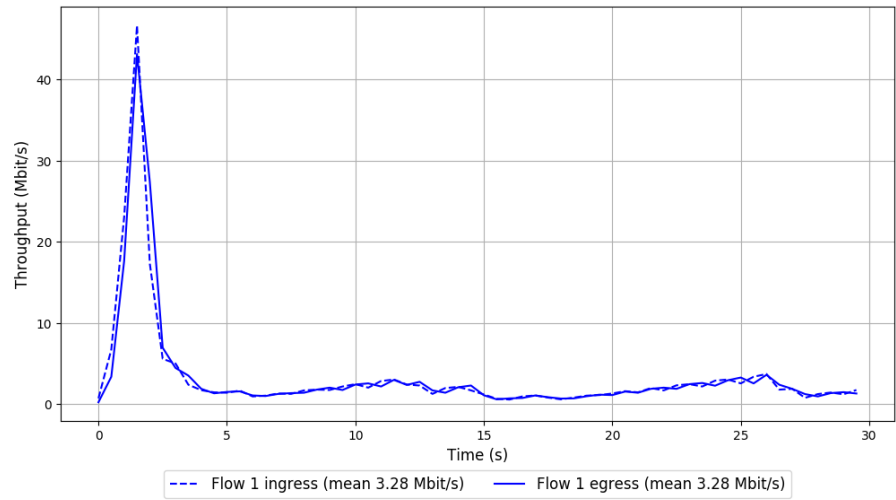


Run 8: Statistics of TCP Vegas

Start at: 2017-08-21 20:34:20
End at: 2017-08-21 20:34:50
Local clock offset: -0.044 ms
Remote clock offset: -0.785 ms

Below is generated by plot.py at 2017-08-22 01:06:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 169.534 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 169.534 ms
Loss rate: 0.54%

Run 8: Report of TCP Vegas — Data Link

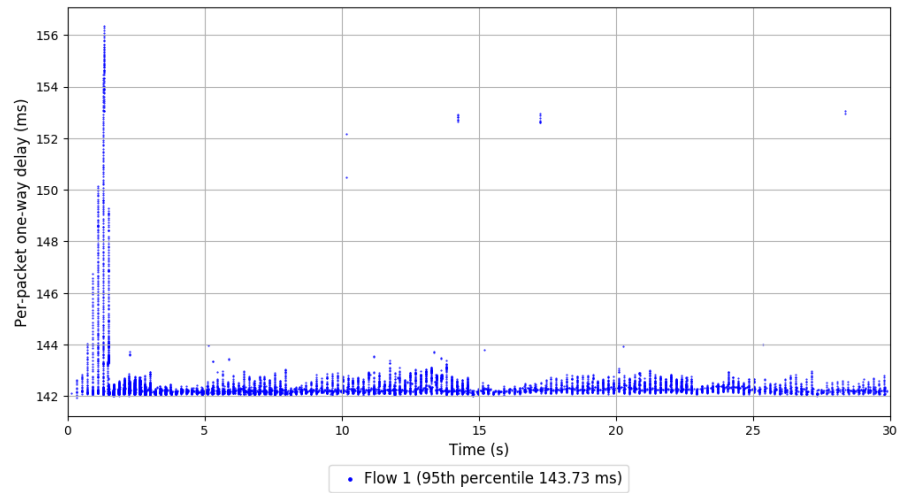
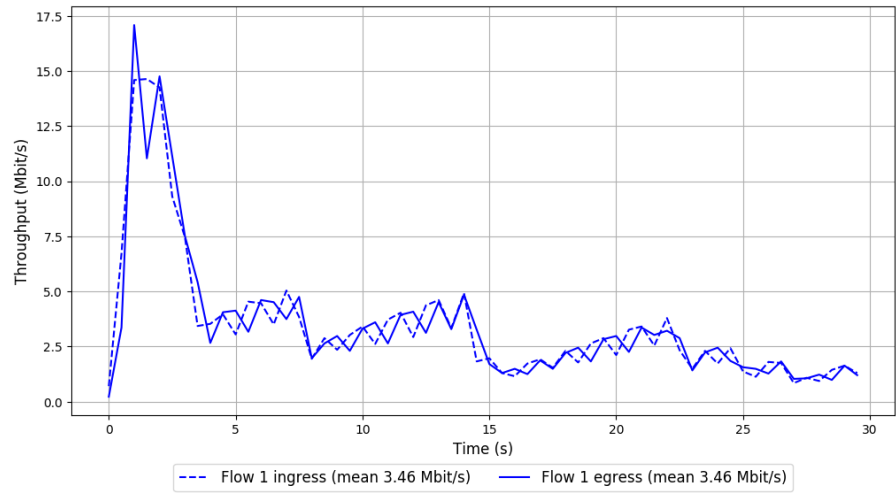


Run 9: Statistics of TCP Vegas

Start at: 2017-08-21 20:55:49
End at: 2017-08-21 20:56:19
Local clock offset: 0.561 ms
Remote clock offset: -0.956 ms

Below is generated by plot.py at 2017-08-22 01:06:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 143.733 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 143.733 ms
Loss rate: 0.42%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2017-08-21 21:17:16

End at: 2017-08-21 21:17:46

Local clock offset: 0.463 ms

Remote clock offset: -1.102 ms

Below is generated by plot.py at 2017-08-22 01:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.65 Mbit/s

95th percentile per-packet one-way delay: 151.158 ms

Loss rate: 0.83%

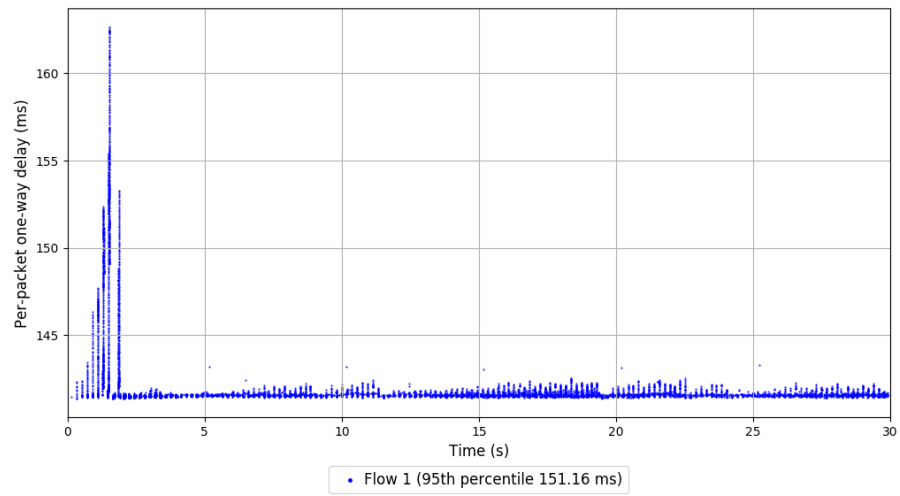
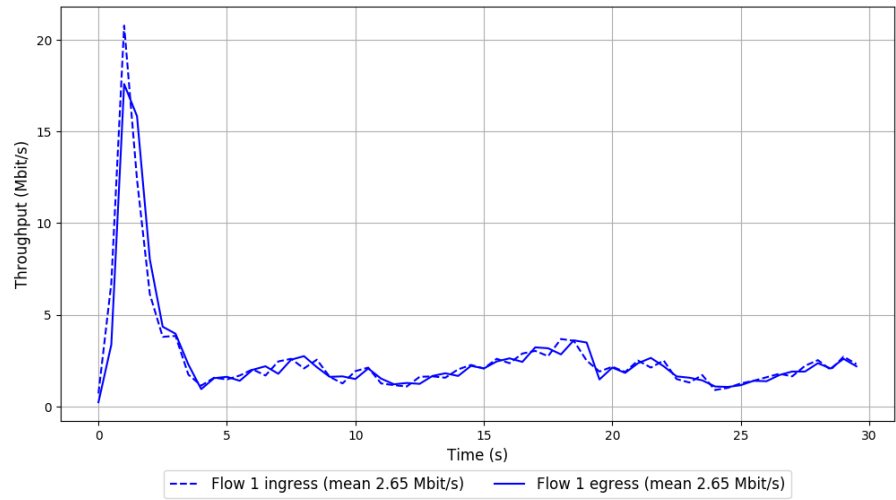
-- Flow 1:

Average throughput: 2.65 Mbit/s

95th percentile per-packet one-way delay: 151.158 ms

Loss rate: 0.83%

Run 10: Report of TCP Vegas — Data Link

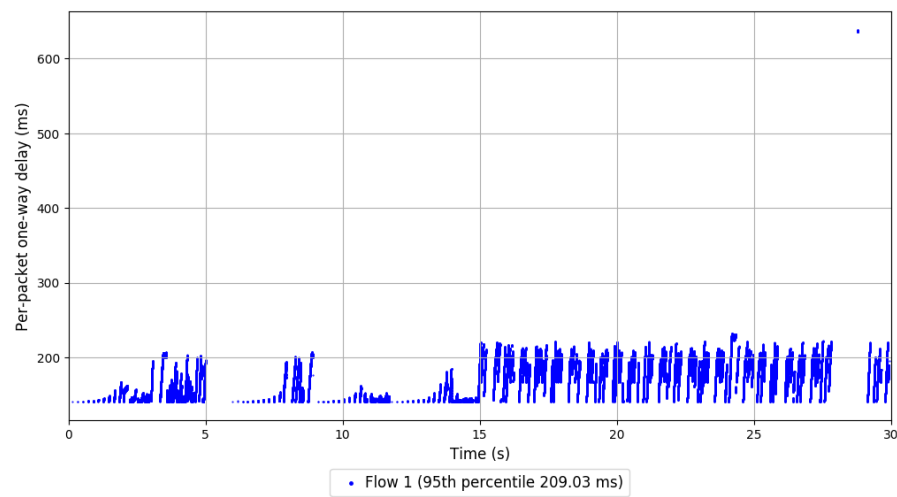
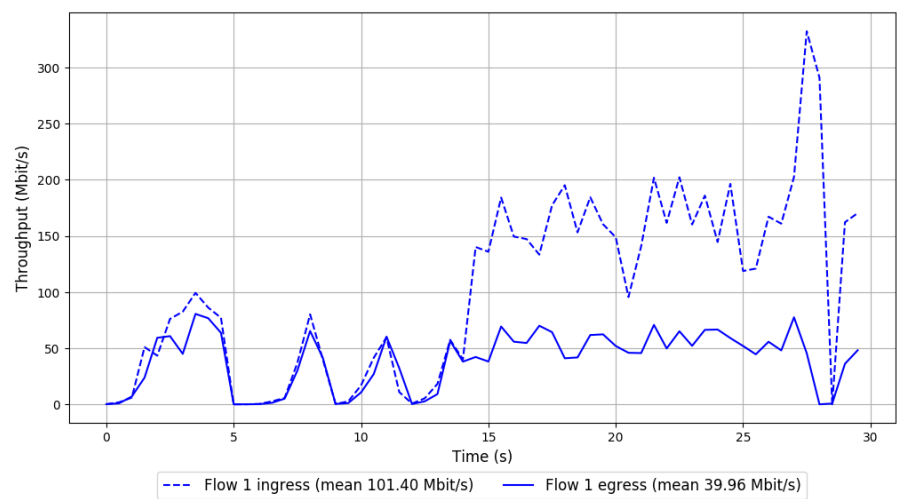


Run 1: Statistics of Verus

Start at: 2017-08-21 18:01:02
End at: 2017-08-21 18:01:32
Local clock offset: 0.744 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2017-08-22 01:06:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 209.032 ms
Loss rate: 60.76%
-- Flow 1:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 209.032 ms
Loss rate: 60.76%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2017-08-21 18:22:22

End at: 2017-08-21 18:22:52

Local clock offset: -0.615 ms

Remote clock offset: 0.147 ms

Below is generated by plot.py at 2017-08-22 01:06:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.04 Mbit/s

95th percentile per-packet one-way delay: 202.435 ms

Loss rate: 31.09%

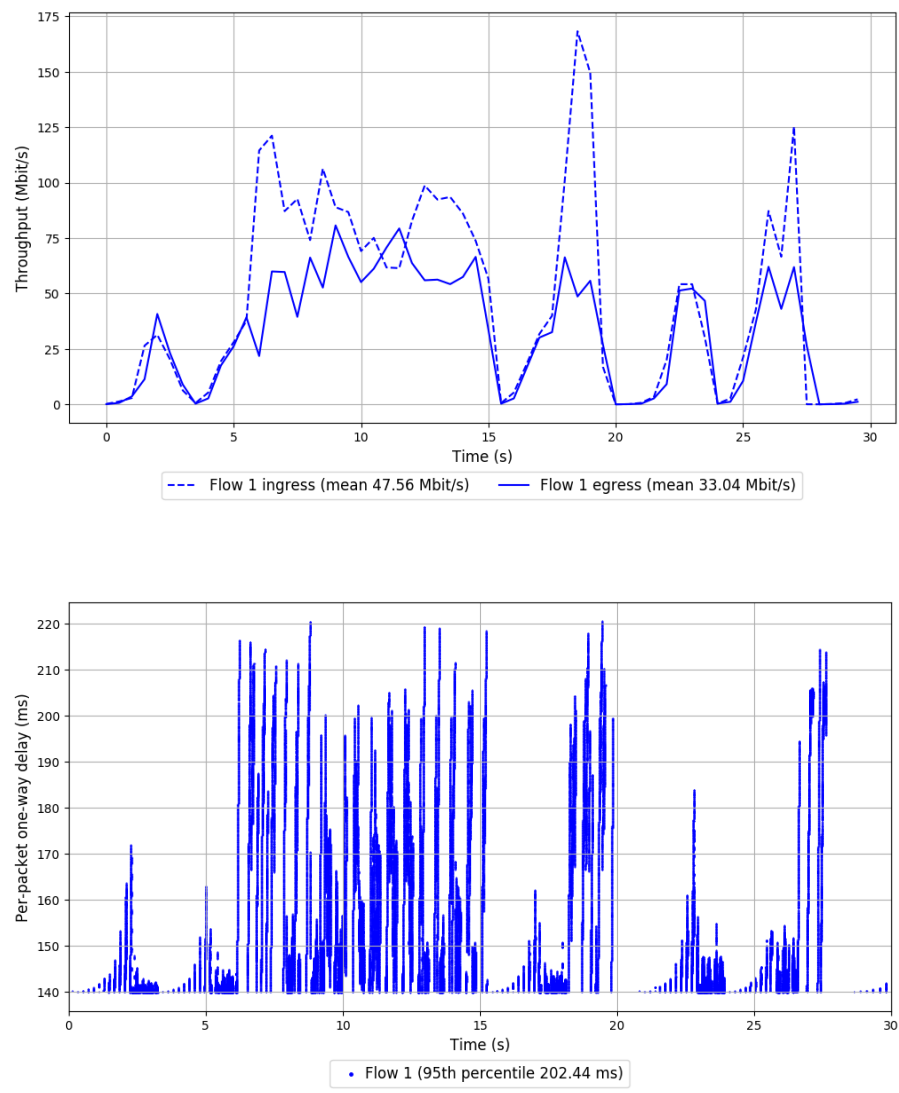
-- Flow 1:

Average throughput: 33.04 Mbit/s

95th percentile per-packet one-way delay: 202.435 ms

Loss rate: 31.09%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-08-21 18:43:50

End at: 2017-08-21 18:44:20

Local clock offset: 0.422 ms

Remote clock offset: 0.316 ms

Below is generated by plot.py at 2017-08-22 01:06:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.39 Mbit/s

95th percentile per-packet one-way delay: 207.168 ms

Loss rate: 58.66%

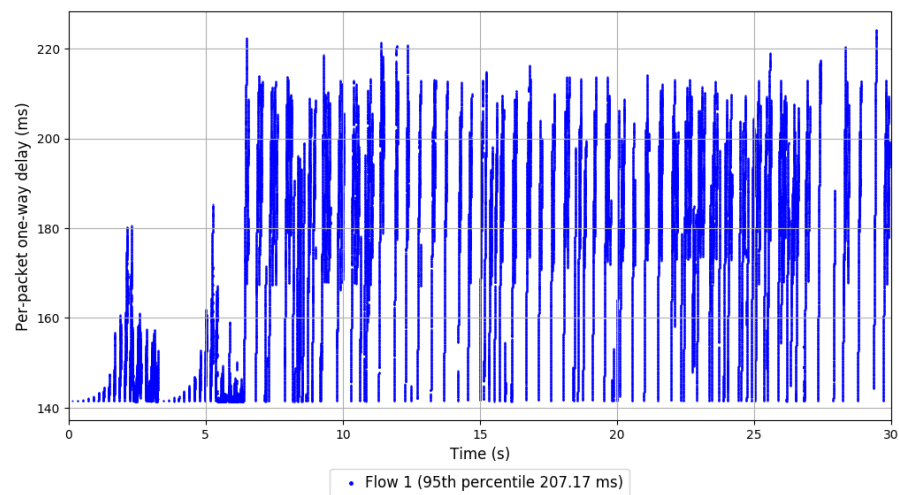
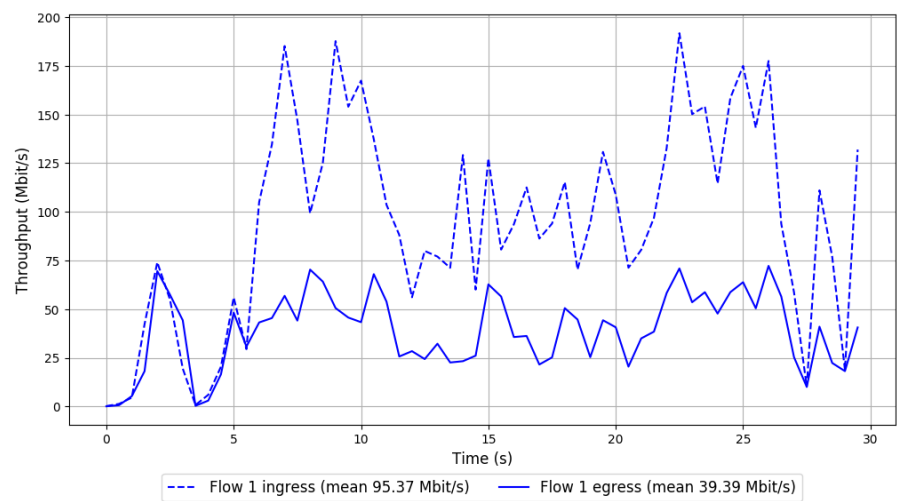
-- Flow 1:

Average throughput: 39.39 Mbit/s

95th percentile per-packet one-way delay: 207.168 ms

Loss rate: 58.66%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2017-08-21 19:04:54

End at: 2017-08-21 19:05:24

Local clock offset: 0.126 ms

Remote clock offset: 0.591 ms

Below is generated by plot.py at 2017-08-22 01:06:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.64 Mbit/s

95th percentile per-packet one-way delay: 204.551 ms

Loss rate: 47.94%

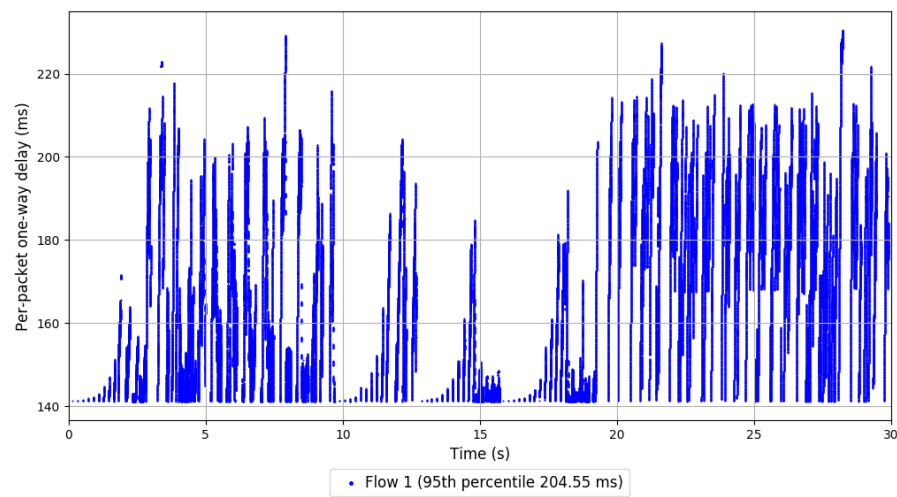
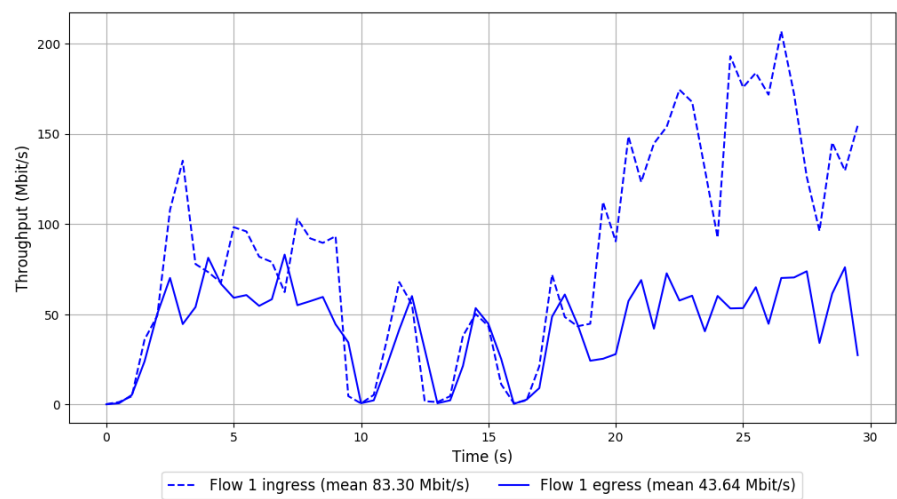
-- Flow 1:

Average throughput: 43.64 Mbit/s

95th percentile per-packet one-way delay: 204.551 ms

Loss rate: 47.94%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2017-08-21 19:26:52

End at: 2017-08-21 19:27:22

Local clock offset: 0.255 ms

Remote clock offset: 0.244 ms

Below is generated by plot.py at 2017-08-22 01:06:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.33 Mbit/s

95th percentile per-packet one-way delay: 208.115 ms

Loss rate: 55.93%

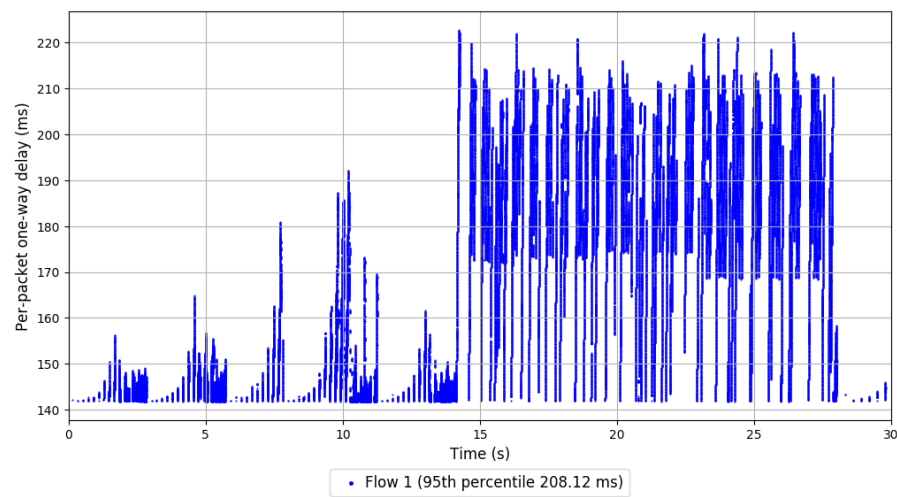
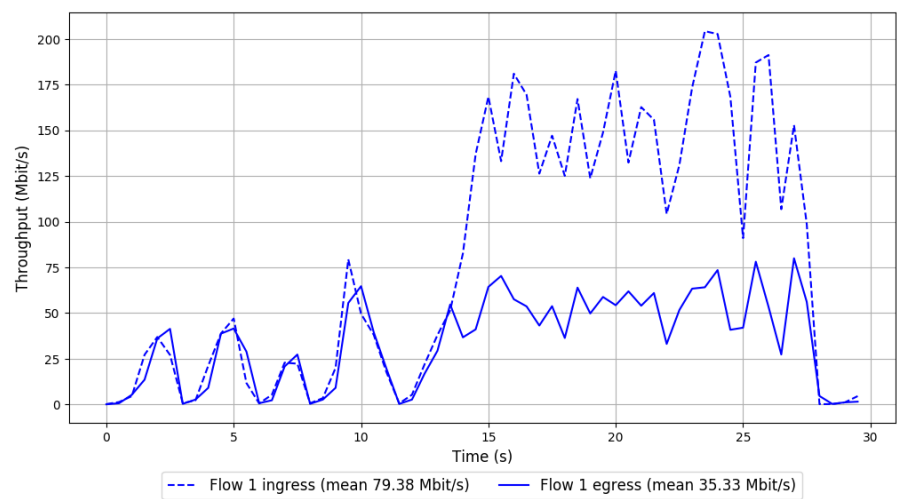
-- Flow 1:

Average throughput: 35.33 Mbit/s

95th percentile per-packet one-way delay: 208.115 ms

Loss rate: 55.93%

Run 5: Report of Verus — Data Link

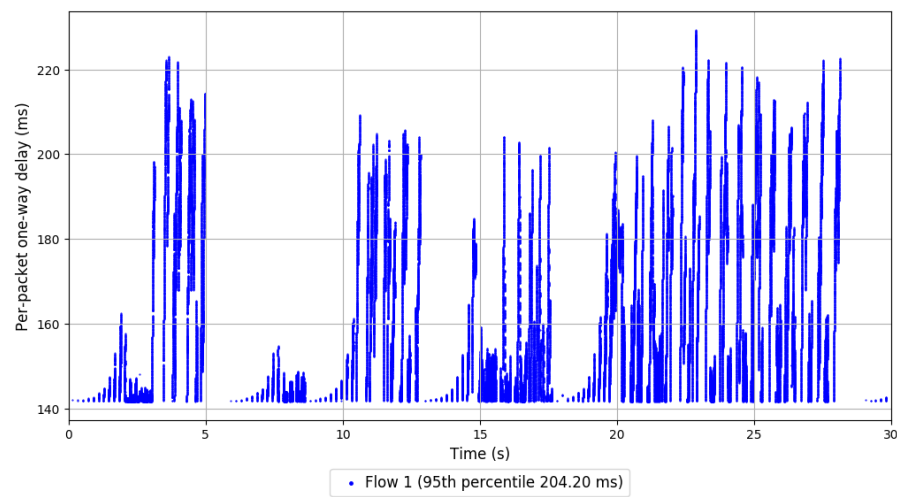
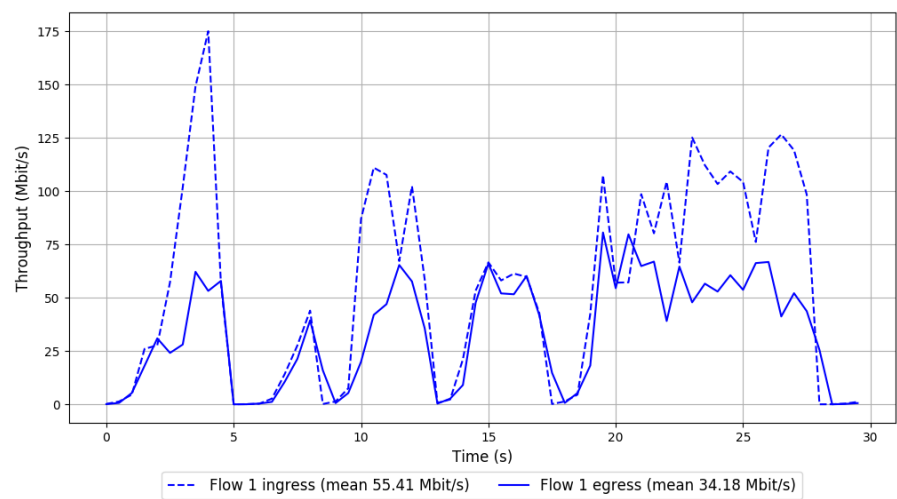


Run 6: Statistics of Verus

Start at: 2017-08-21 19:47:58
End at: 2017-08-21 19:48:28
Local clock offset: -0.019 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2017-08-22 01:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.18 Mbit/s
95th percentile per-packet one-way delay: 204.198 ms
Loss rate: 38.70%
-- Flow 1:
Average throughput: 34.18 Mbit/s
95th percentile per-packet one-way delay: 204.198 ms
Loss rate: 38.70%

Run 6: Report of Verus — Data Link

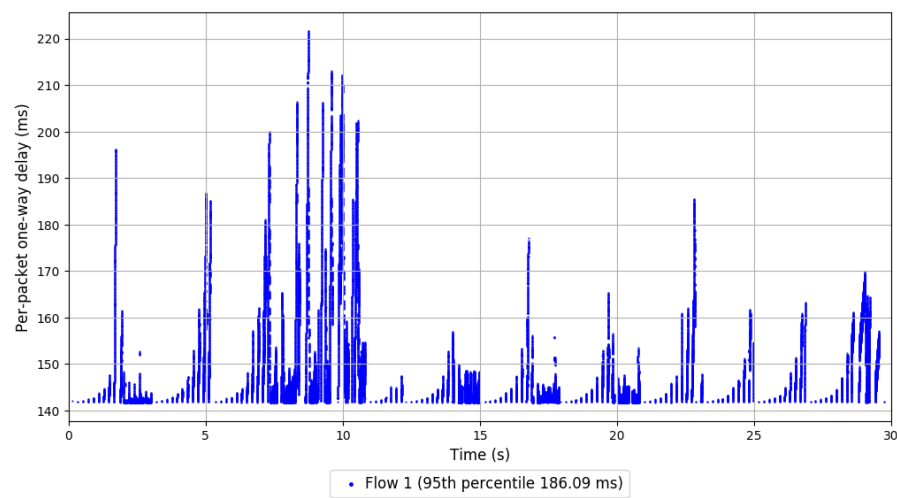
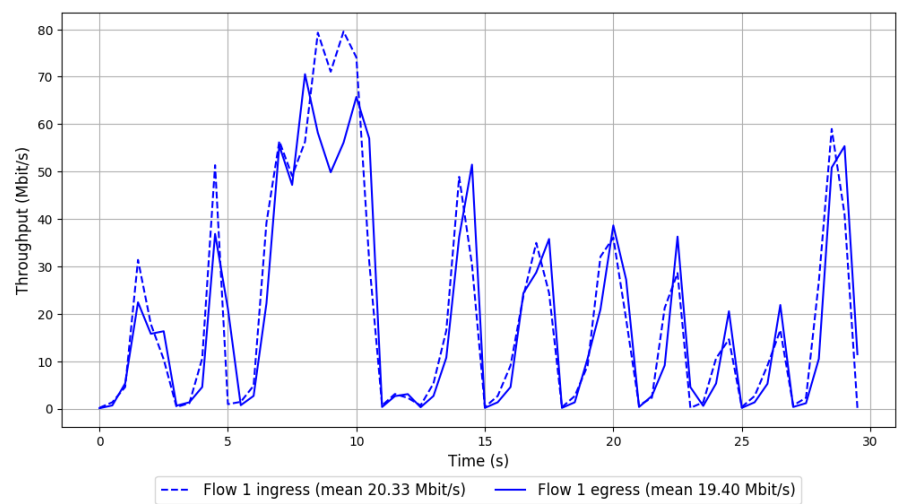


Run 7: Statistics of Verus

Start at: 2017-08-21 20:09:43
End at: 2017-08-21 20:10:13
Local clock offset: 0.116 ms
Remote clock offset: -0.353 ms

Below is generated by plot.py at 2017-08-22 01:06:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 186.093 ms
Loss rate: 5.17%
-- Flow 1:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 186.093 ms
Loss rate: 5.17%

Run 7: Report of Verus — Data Link

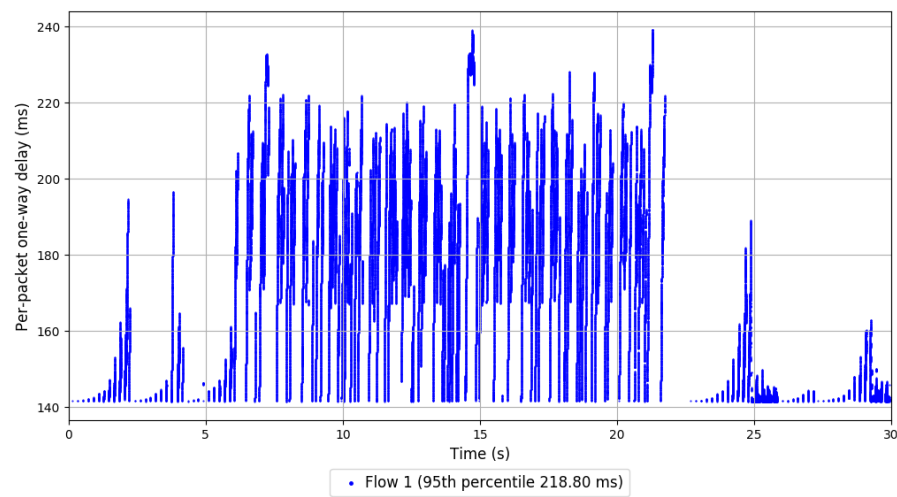
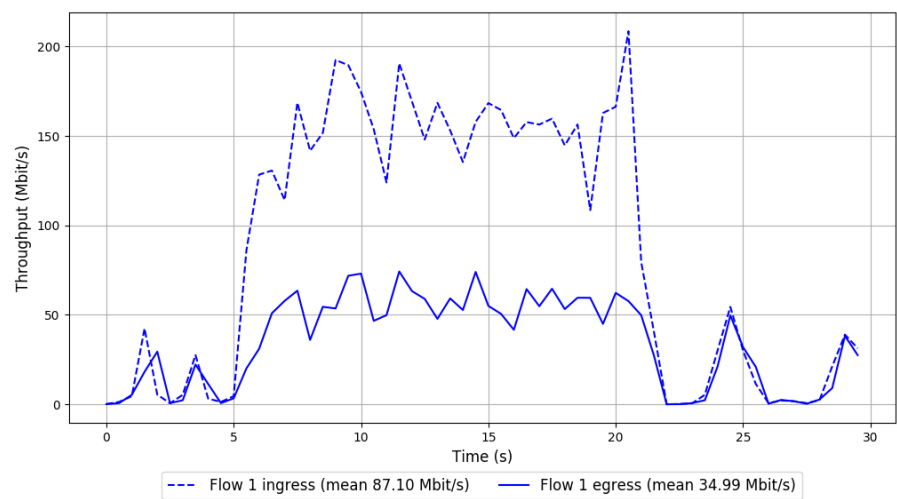


Run 8: Statistics of Verus

Start at: 2017-08-21 20:30:39
End at: 2017-08-21 20:31:09
Local clock offset: -0.142 ms
Remote clock offset: -0.684 ms

Below is generated by plot.py at 2017-08-22 01:06:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 218.799 ms
Loss rate: 60.08%
-- Flow 1:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 218.799 ms
Loss rate: 60.08%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-08-21 20:52:29

End at: 2017-08-21 20:52:59

Local clock offset: 0.45 ms

Remote clock offset: -0.93 ms

Below is generated by plot.py at 2017-08-22 01:06:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.63 Mbit/s

95th percentile per-packet one-way delay: 207.537 ms

Loss rate: 45.84%

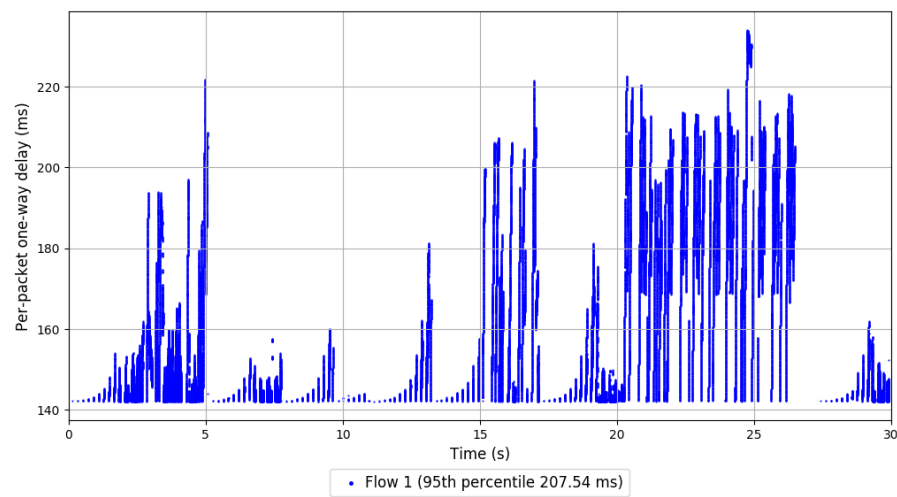
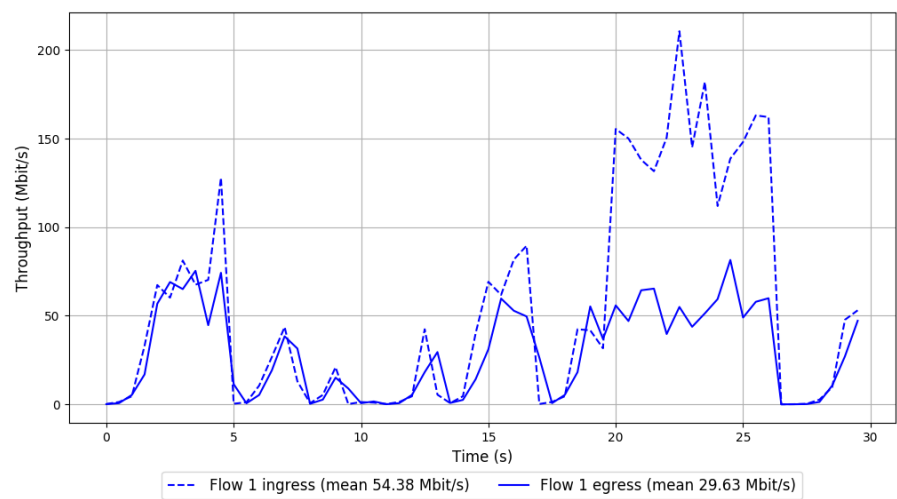
-- Flow 1:

Average throughput: 29.63 Mbit/s

95th percentile per-packet one-way delay: 207.537 ms

Loss rate: 45.84%

Run 9: Report of Verus — Data Link

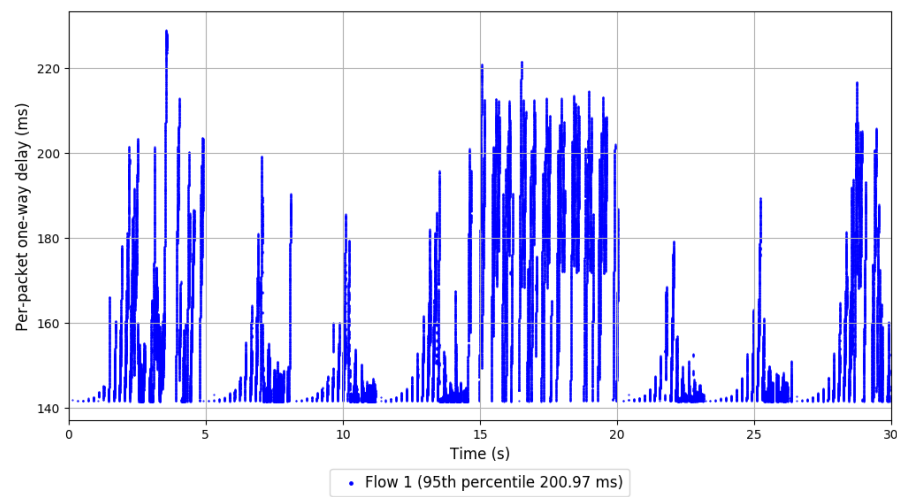
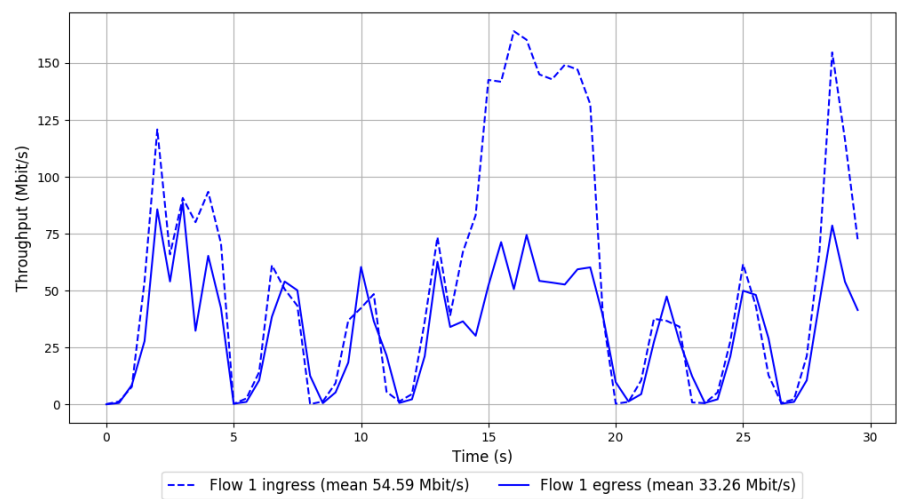


Run 10: Statistics of Verus

Start at: 2017-08-21 21:13:48
End at: 2017-08-21 21:14:18
Local clock offset: 0.694 ms
Remote clock offset: -1.085 ms

Below is generated by plot.py at 2017-08-22 01:06:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 200.972 ms
Loss rate: 39.47%
-- Flow 1:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 200.972 ms
Loss rate: 39.47%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-08-21 17:52:22

End at: 2017-08-21 17:52:52

Local clock offset: 2.072 ms

Remote clock offset: -0.234 ms

Below is generated by plot.py at 2017-08-22 01:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.60 Mbit/s

95th percentile per-packet one-way delay: 144.106 ms

Loss rate: 0.99%

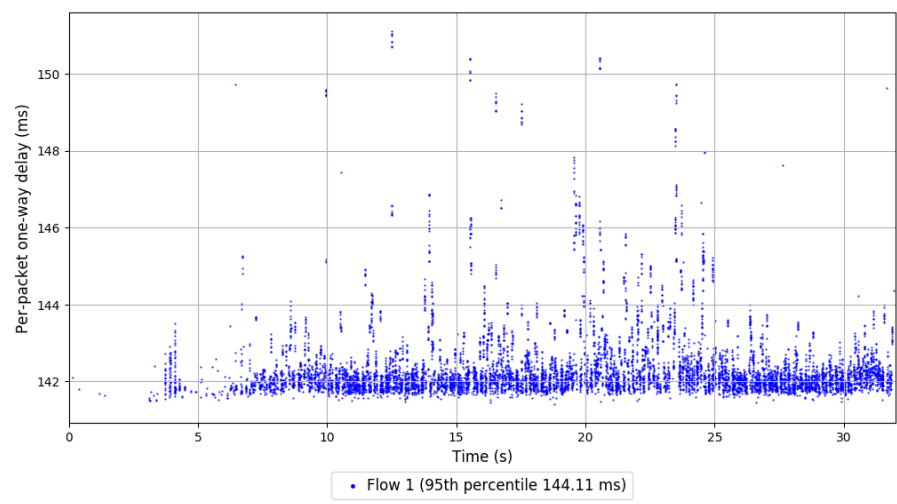
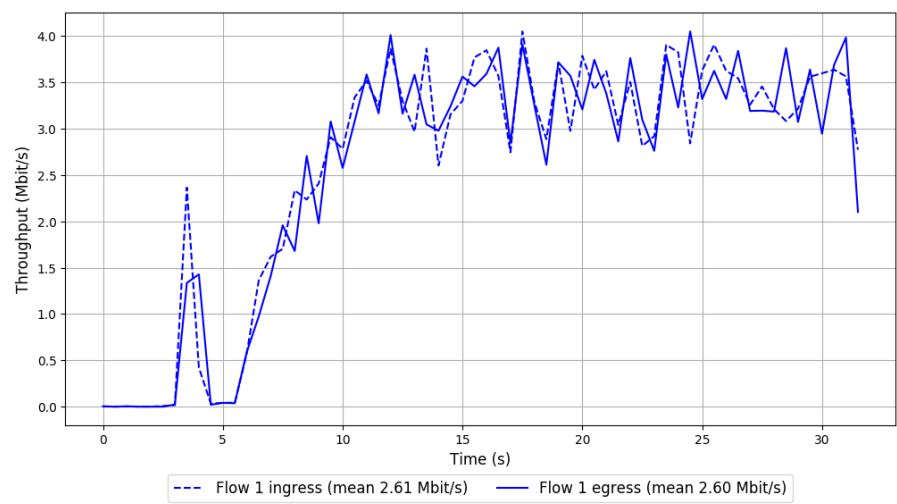
-- Flow 1:

Average throughput: 2.60 Mbit/s

95th percentile per-packet one-way delay: 144.106 ms

Loss rate: 0.99%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2017-08-21 18:13:51

End at: 2017-08-21 18:14:21

Local clock offset: 0.819 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2017-08-22 01:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 141.817 ms

Loss rate: 0.72%

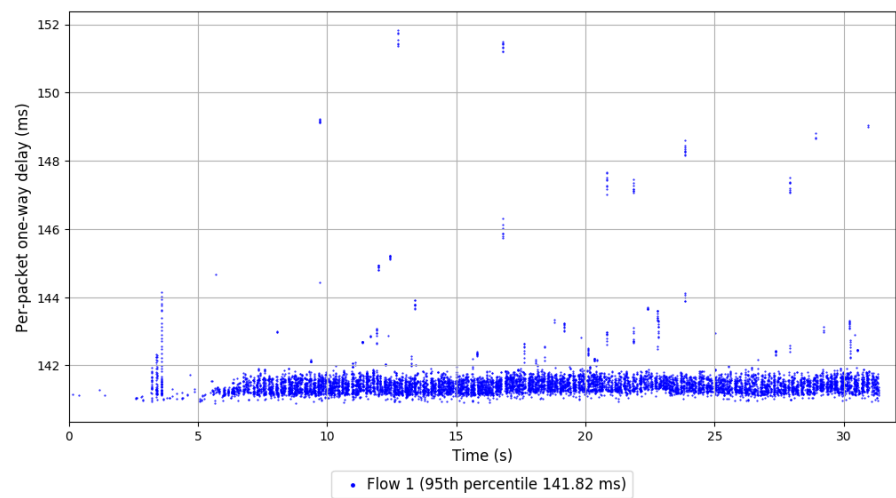
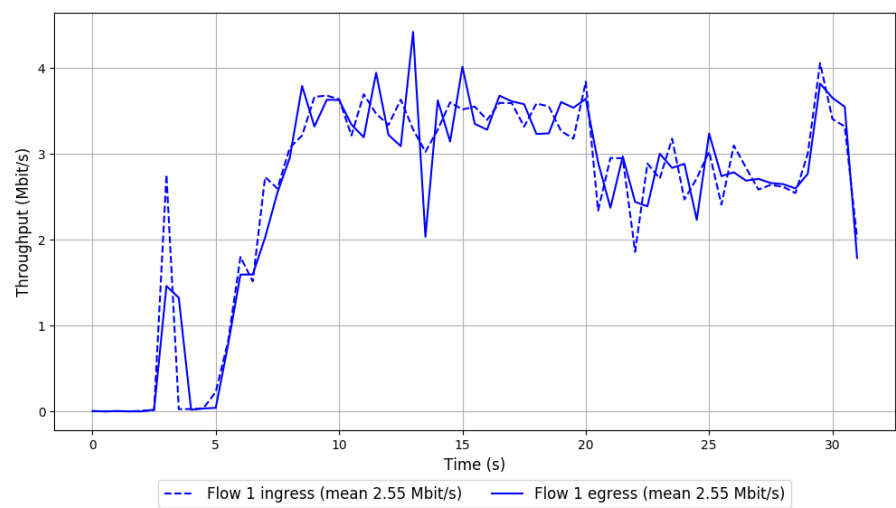
-- Flow 1:

Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 141.817 ms

Loss rate: 0.72%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-08-21 18:35:19

End at: 2017-08-21 18:35:49

Local clock offset: 0.666 ms

Remote clock offset: 0.3 ms

Below is generated by plot.py at 2017-08-22 01:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.46 Mbit/s

95th percentile per-packet one-way delay: 142.020 ms

Loss rate: 1.02%

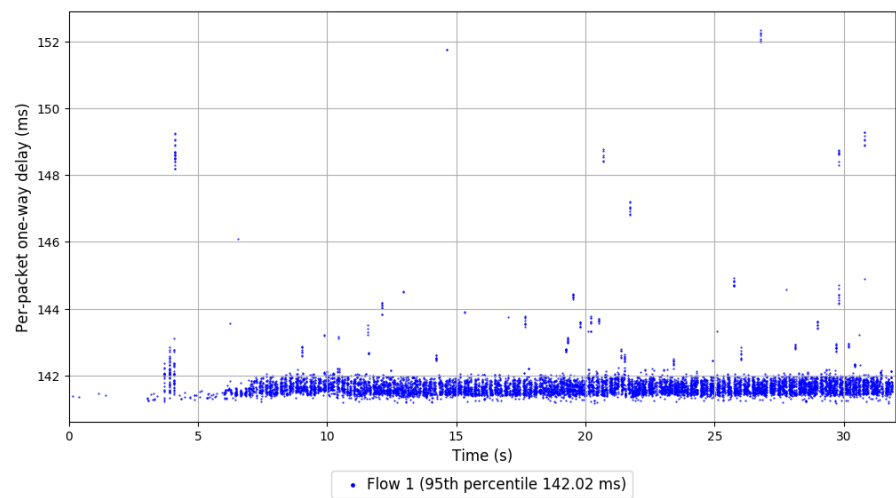
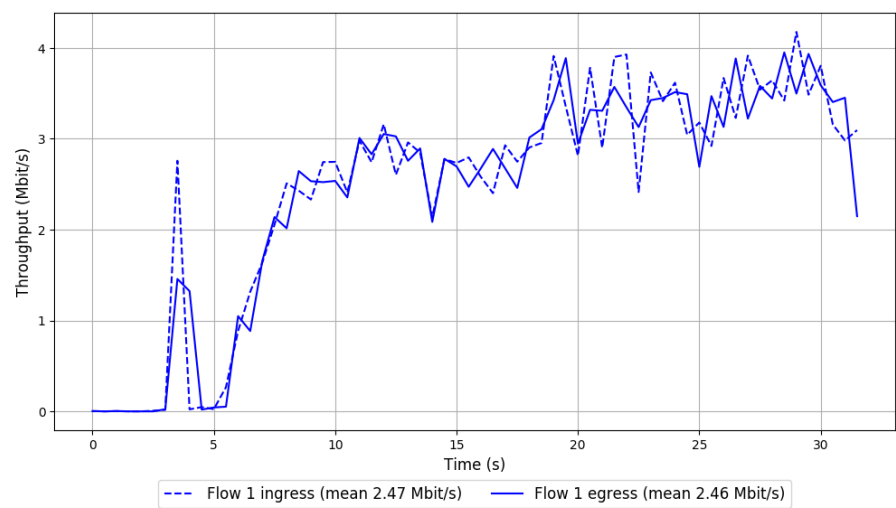
-- Flow 1:

Average throughput: 2.46 Mbit/s

95th percentile per-packet one-way delay: 142.020 ms

Loss rate: 1.02%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2017-08-21 18:56:22

End at: 2017-08-21 18:56:52

Local clock offset: 0.54 ms

Remote clock offset: 0.387 ms

Below is generated by plot.py at 2017-08-22 01:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.69 Mbit/s

95th percentile per-packet one-way delay: 142.492 ms

Loss rate: 1.02%

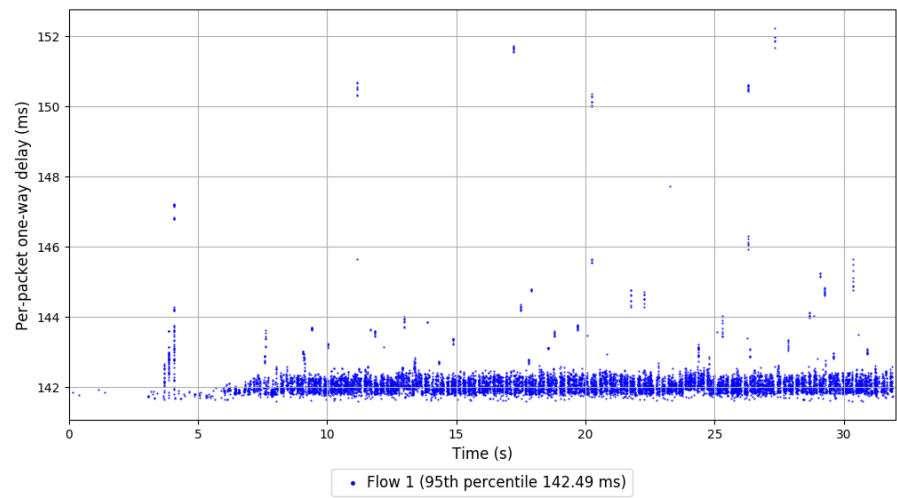
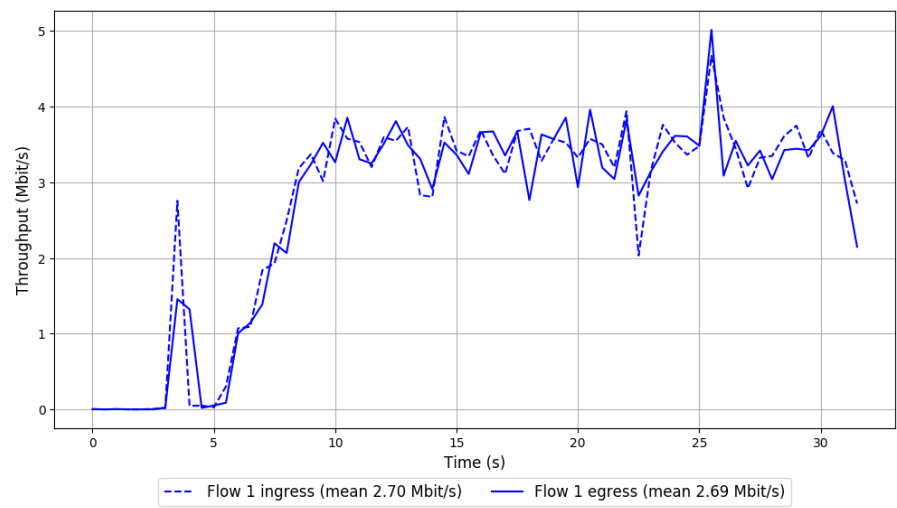
-- Flow 1:

Average throughput: 2.69 Mbit/s

95th percentile per-packet one-way delay: 142.492 ms

Loss rate: 1.02%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-08-21 19:18:12

End at: 2017-08-21 19:18:42

Local clock offset: 0.057 ms

Remote clock offset: 0.326 ms

Below is generated by plot.py at 2017-08-22 01:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.61 Mbit/s

95th percentile per-packet one-way delay: 142.143 ms

Loss rate: 0.78%

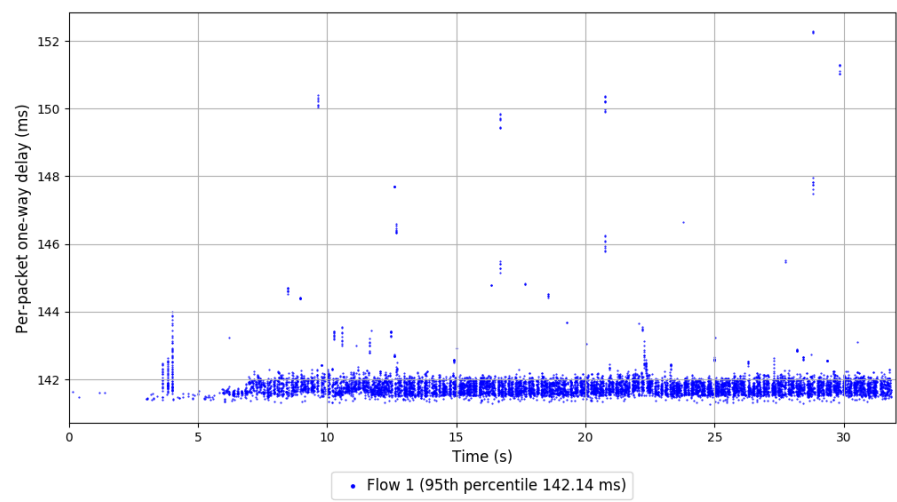
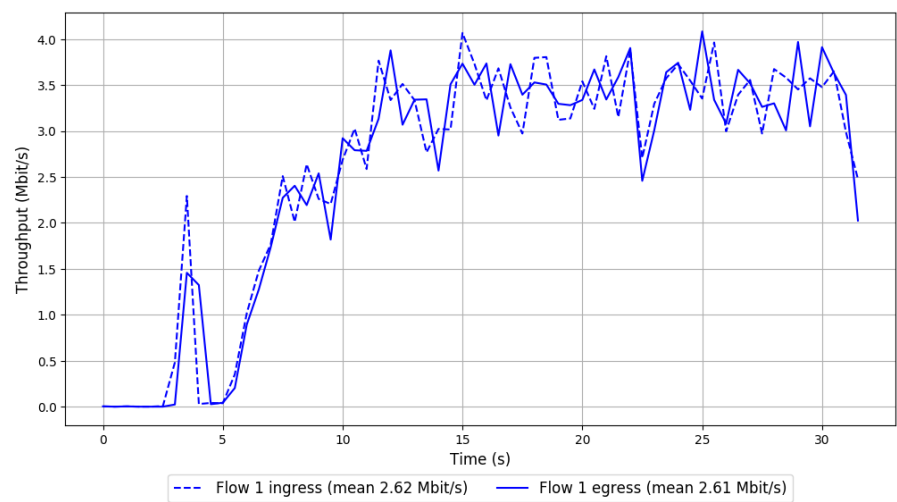
-- Flow 1:

Average throughput: 2.61 Mbit/s

95th percentile per-packet one-way delay: 142.143 ms

Loss rate: 0.78%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-08-21 19:39:48

End at: 2017-08-21 19:40:18

Local clock offset: 0.073 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2017-08-22 01:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 142.699 ms

Loss rate: 0.87%

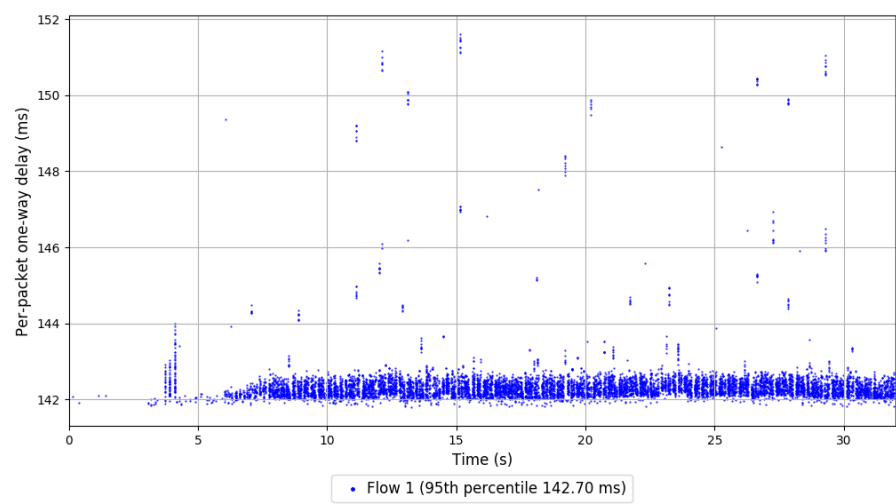
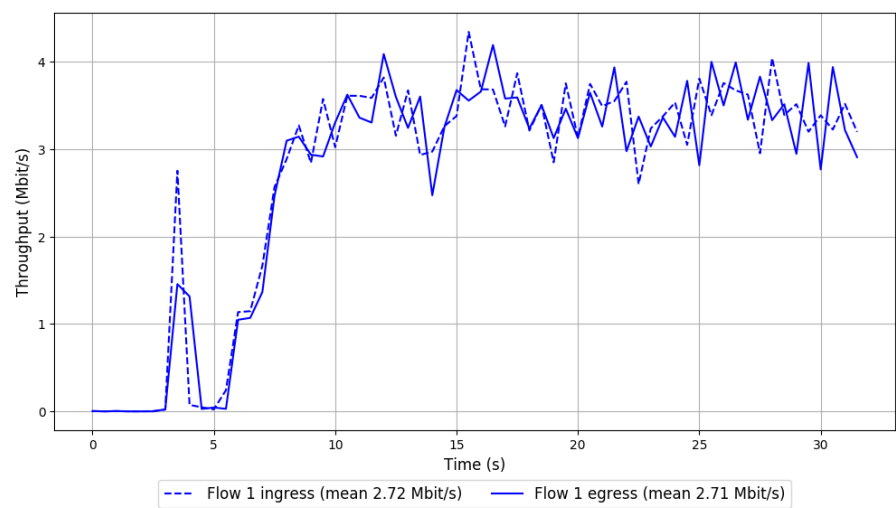
-- Flow 1:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 142.699 ms

Loss rate: 0.87%

Run 6: Report of WebRTC media — Data Link

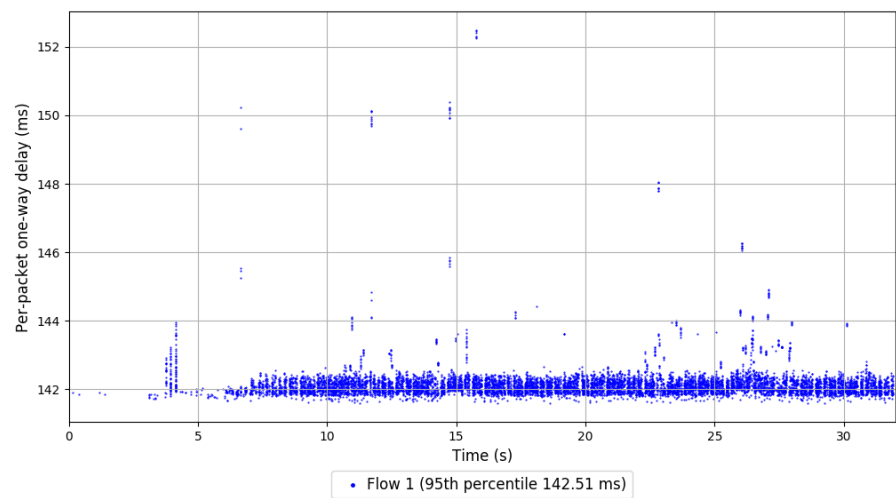
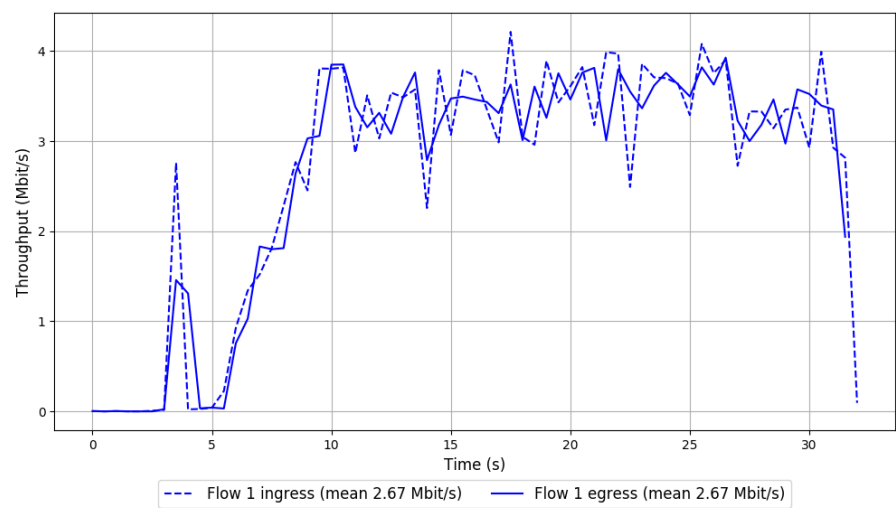


Run 7: Statistics of WebRTC media

Start at: 2017-08-21 20:01:11
End at: 2017-08-21 20:01:41
Local clock offset: 0.088 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2017-08-22 01:06:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 142.508 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 142.508 ms
Loss rate: 1.02%

Run 7: Report of WebRTC media — Data Link

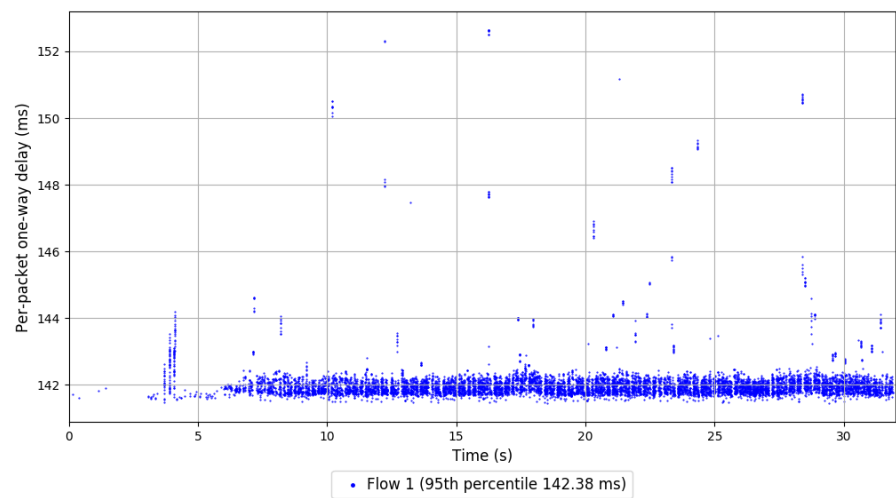
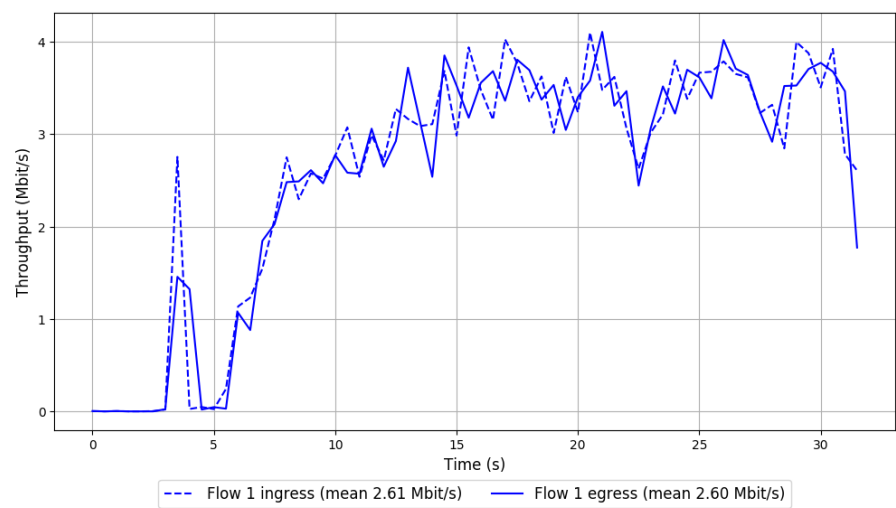


Run 8: Statistics of WebRTC media

Start at: 2017-08-21 20:22:19
End at: 2017-08-21 20:22:49
Local clock offset: -0.171 ms
Remote clock offset: -0.616 ms

Below is generated by plot.py at 2017-08-22 01:06:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 142.382 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 142.382 ms
Loss rate: 0.92%

Run 8: Report of WebRTC media — Data Link

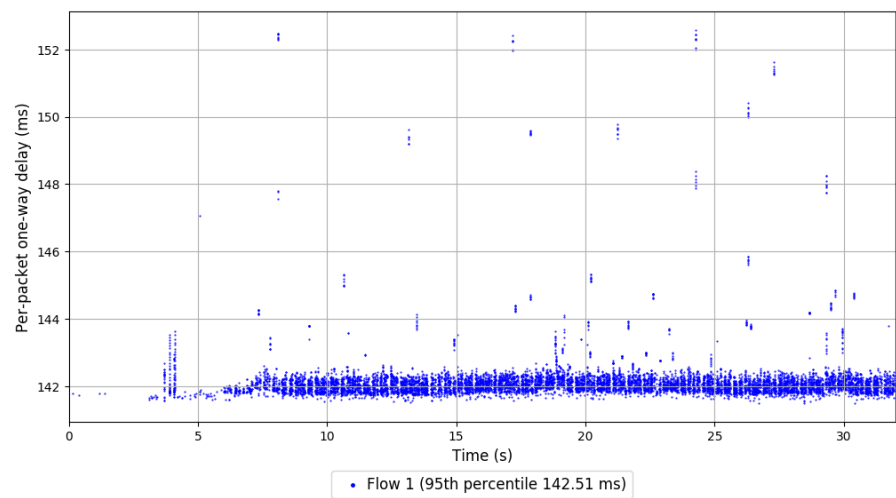
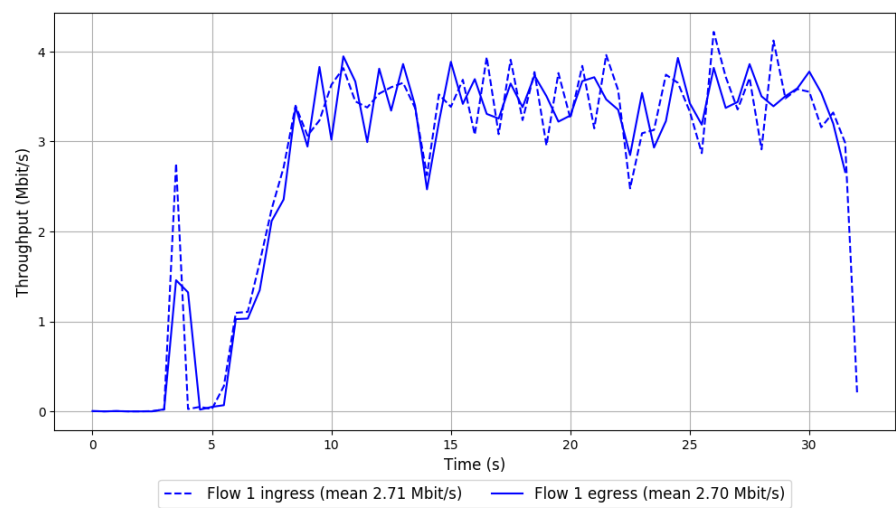


Run 9: Statistics of WebRTC media

Start at: 2017-08-21 20:43:53
End at: 2017-08-21 20:44:23
Local clock offset: 0.424 ms
Remote clock offset: -0.781 ms

Below is generated by plot.py at 2017-08-22 01:06:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 142.514 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 142.514 ms
Loss rate: 0.85%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-08-21 21:05:00

End at: 2017-08-21 21:05:30

Local clock offset: 0.68 ms

Remote clock offset: -1.046 ms

Below is generated by plot.py at 2017-08-22 01:06:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 142.402 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 142.402 ms

Loss rate: 0.67%

Run 10: Report of WebRTC media — Data Link

