

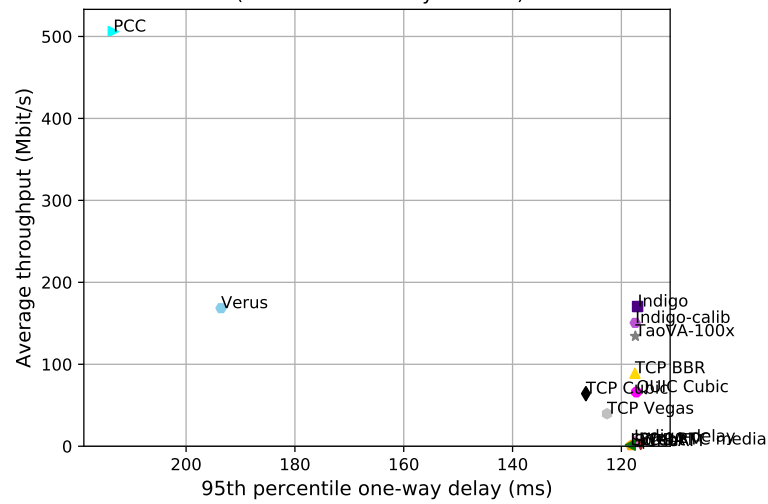
Pantheon Report

Generated at 2017-09-21 13:34:53 (UTC).
Data path: GCE Tokyo Ethernet (*remote*) → GCE London Ethernet (*local*).
Repeated the test of 14 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**).

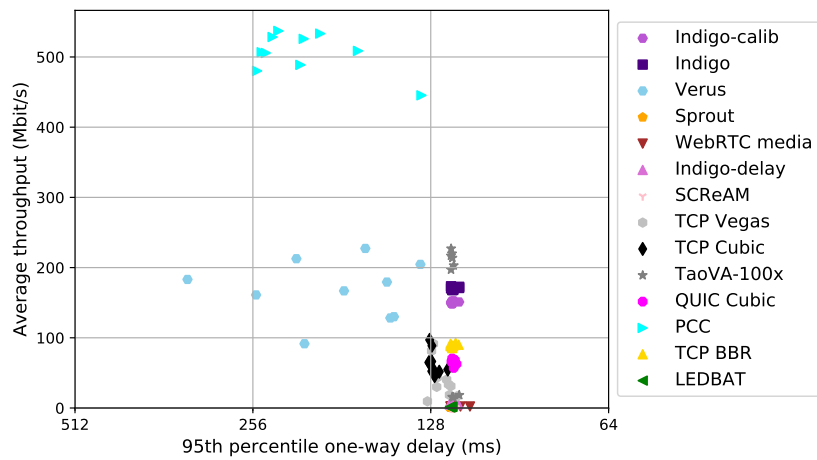
Git summary:

```
branch: indigos @ 46c7c812d4acb71eea4f5fb0b03b3657cea3062f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from GCE Tokyo Ethernet to GCE London Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Tokyo Ethernet to GCE London 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	89.08	117.51	0.83
TCP Cubic	10	64.17	126.53	0.77
LEDBAT	7	1.40	118.36	1.15
PCC	10	506.01	213.37	2.67
QUIC Cubic	10	66.03	117.24	0.96
SCReAM	10	0.22	117.58	0.76
WebRTC media	10	2.16	116.45	0.75
Sprout	10	0.98	118.27	0.79
TaoVA-100x	10	134.27	117.43	0.80
TCP Vegas	10	39.66	122.64	0.67
Verus	10	168.48	193.58	3.75
Indigo	10	170.47	117.02	0.83
Indigo-calib	10	150.54	117.46	0.84
Indigo-delay	10	5.67	117.67	0.08

Run 1: Statistics of TCP BBR

Start at: 2017-09-21 09:23:04

End at: 2017-09-21 09:23:34

Below is generated by plot.py at 2017-09-21 13:05:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 116.196 ms

Loss rate: 0.83%

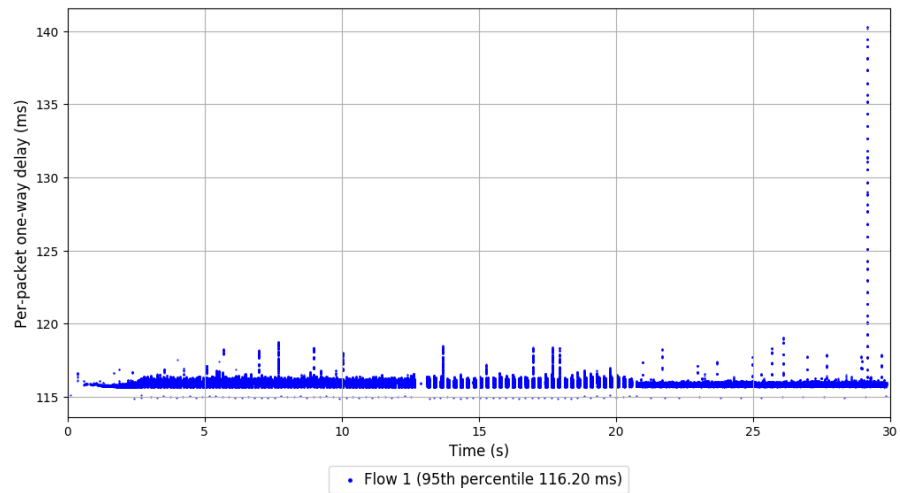
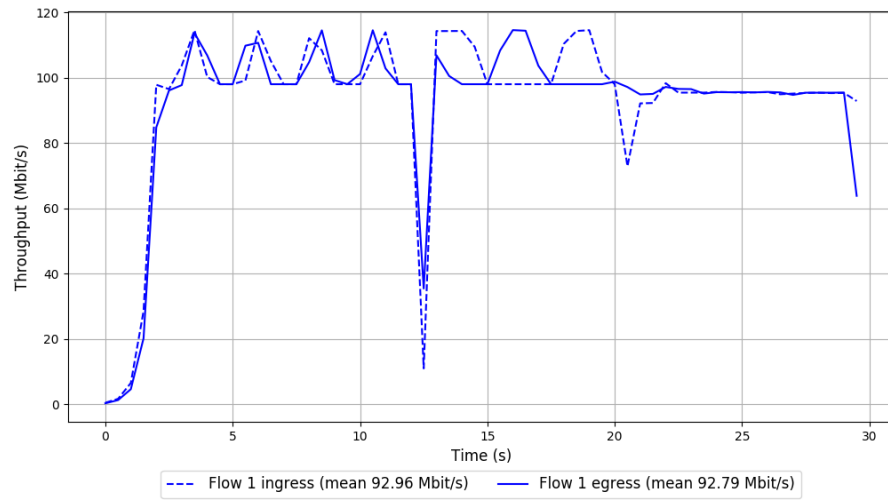
-- Flow 1:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 116.196 ms

Loss rate: 0.83%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-09-21 09:34:21

End at: 2017-09-21 09:34:51

Below is generated by plot.py at 2017-09-21 13:05:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.06 Mbit/s

95th percentile per-packet one-way delay: 117.272 ms

Loss rate: 0.82%

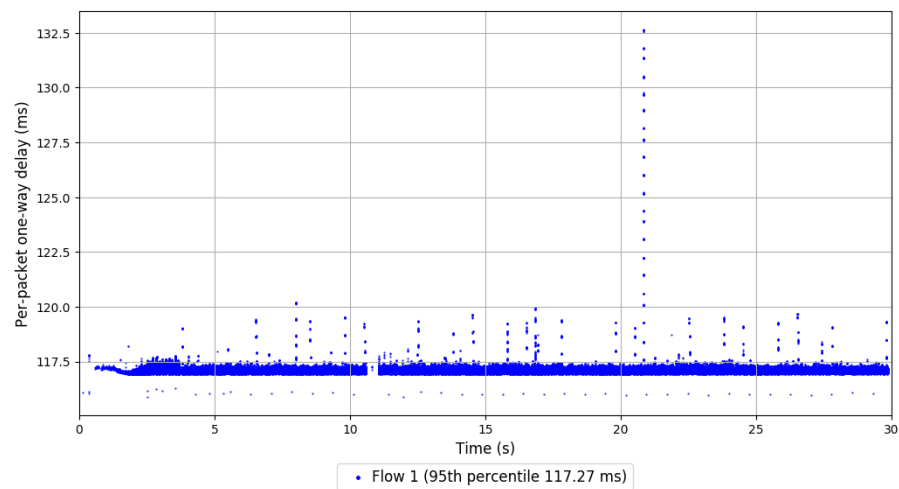
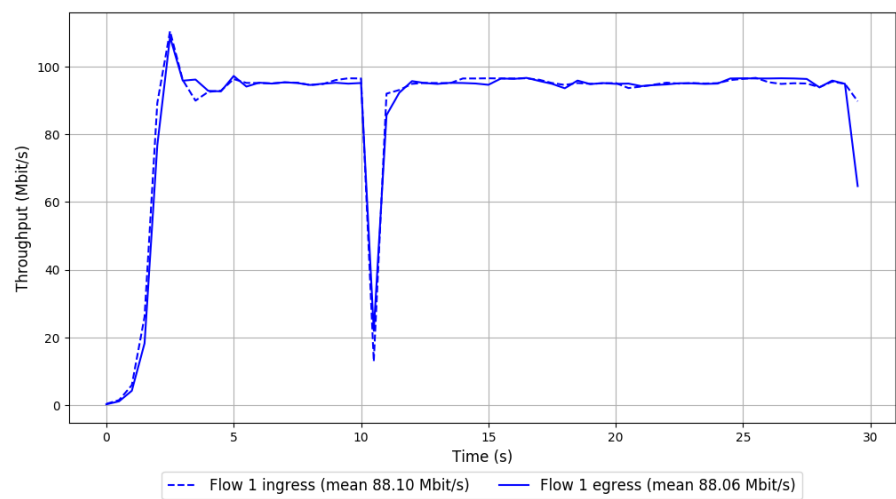
-- Flow 1:

Average throughput: 88.06 Mbit/s

95th percentile per-packet one-way delay: 117.272 ms

Loss rate: 0.82%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-09-21 09:45:26

End at: 2017-09-21 09:45:56

Below is generated by plot.py at 2017-09-21 13:05:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.19 Mbit/s

95th percentile per-packet one-way delay: 117.604 ms

Loss rate: 0.84%

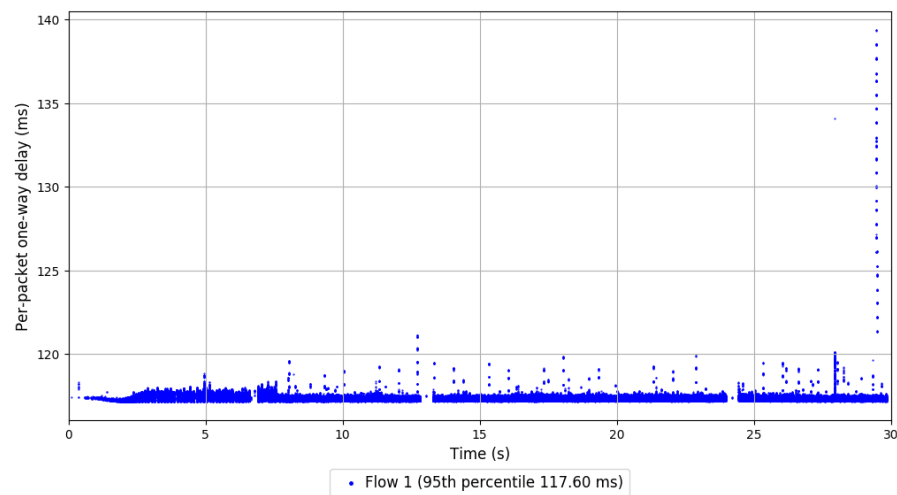
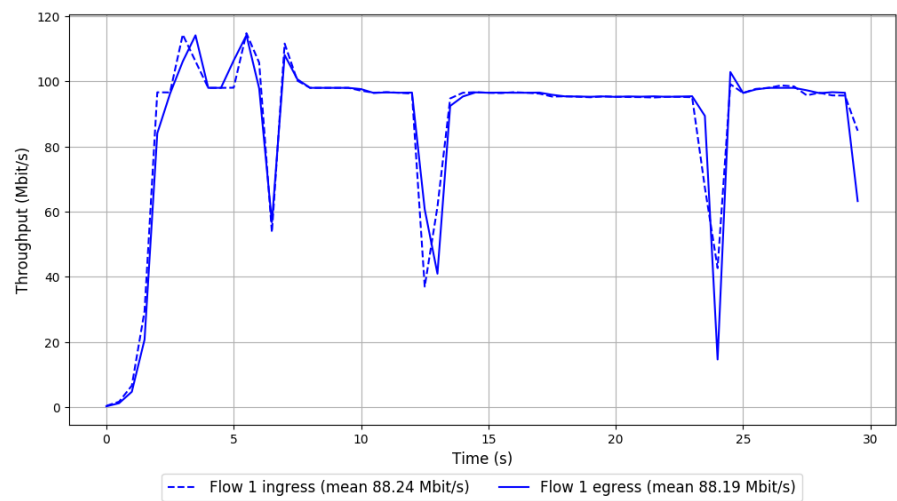
-- Flow 1:

Average throughput: 88.19 Mbit/s

95th percentile per-packet one-way delay: 117.604 ms

Loss rate: 0.84%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-09-21 09:56:28

End at: 2017-09-21 09:56:58

Below is generated by plot.py at 2017-09-21 13:05:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 117.712 ms

Loss rate: 0.87%

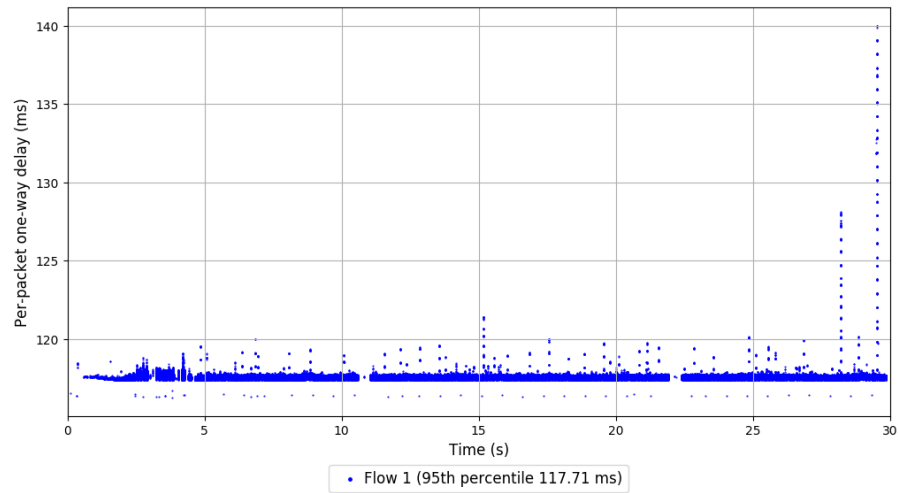
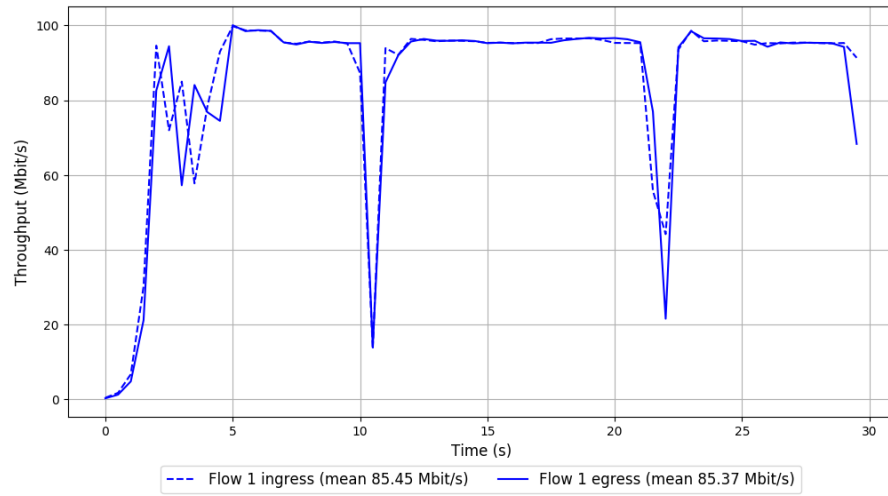
-- Flow 1:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 117.712 ms

Loss rate: 0.87%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-09-21 10:07:44

End at: 2017-09-21 10:08:14

Below is generated by plot.py at 2017-09-21 13:05:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.96 Mbit/s

95th percentile per-packet one-way delay: 118.030 ms

Loss rate: 0.81%

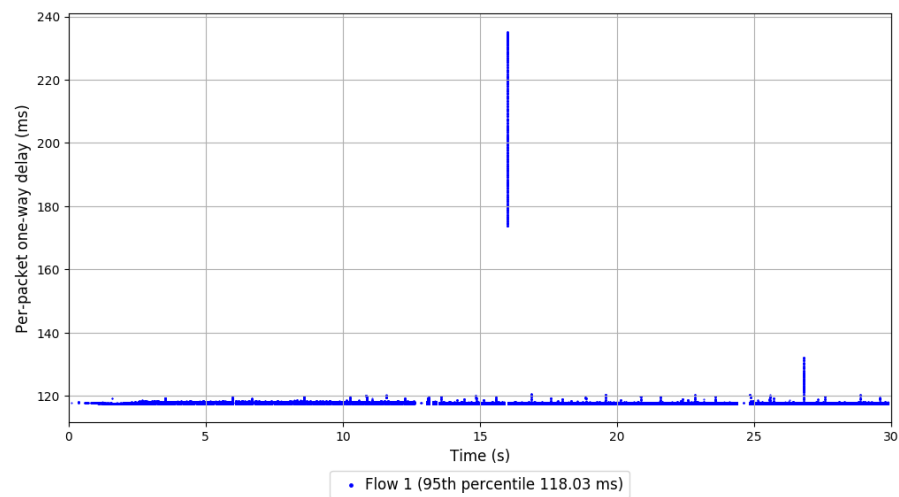
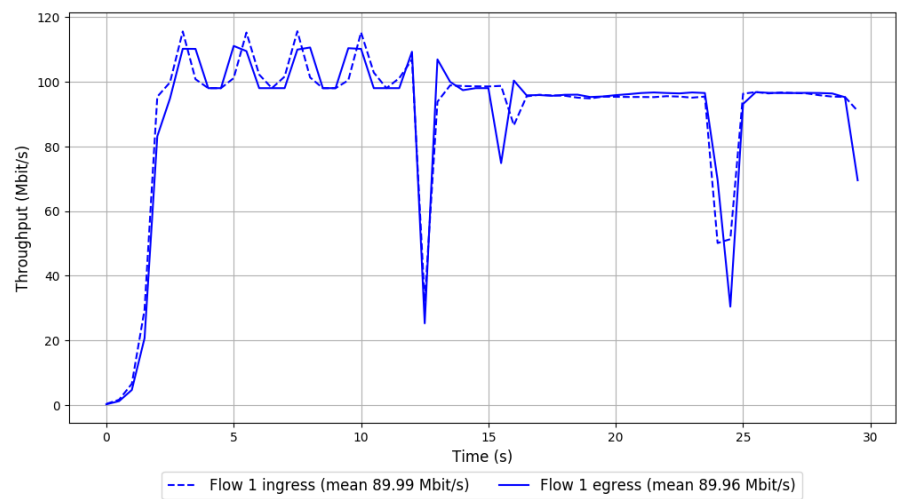
-- Flow 1:

Average throughput: 89.96 Mbit/s

95th percentile per-packet one-way delay: 118.030 ms

Loss rate: 0.81%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-09-21 10:18:40

End at: 2017-09-21 10:19:10

Below is generated by plot.py at 2017-09-21 13:05:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.28 Mbit/s

95th percentile per-packet one-way delay: 118.018 ms

Loss rate: 0.84%

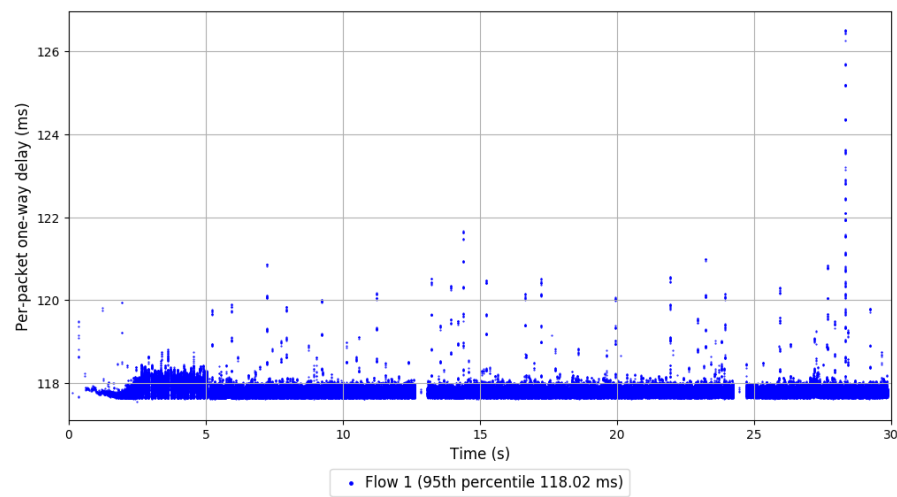
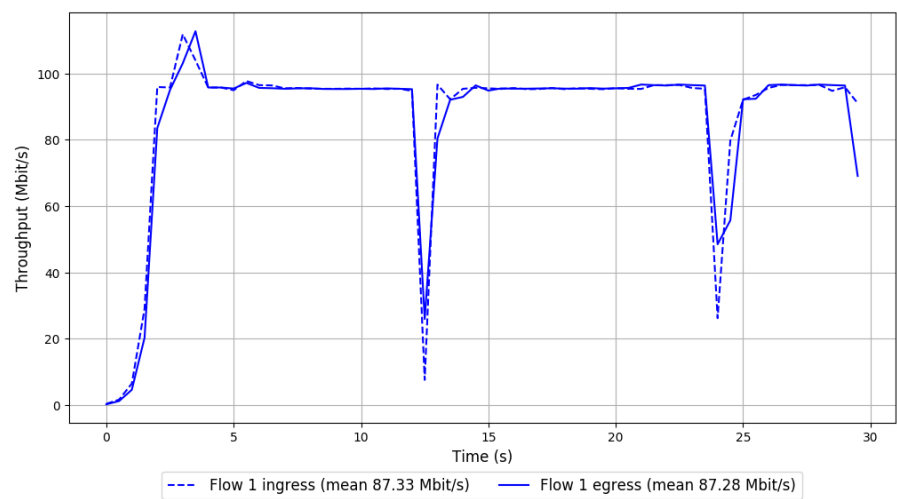
-- Flow 1:

Average throughput: 87.28 Mbit/s

95th percentile per-packet one-way delay: 118.018 ms

Loss rate: 0.84%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-09-21 10:29:51

End at: 2017-09-21 10:30:21

Below is generated by plot.py at 2017-09-21 13:05:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.68 Mbit/s

95th percentile per-packet one-way delay: 118.411 ms

Loss rate: 0.83%

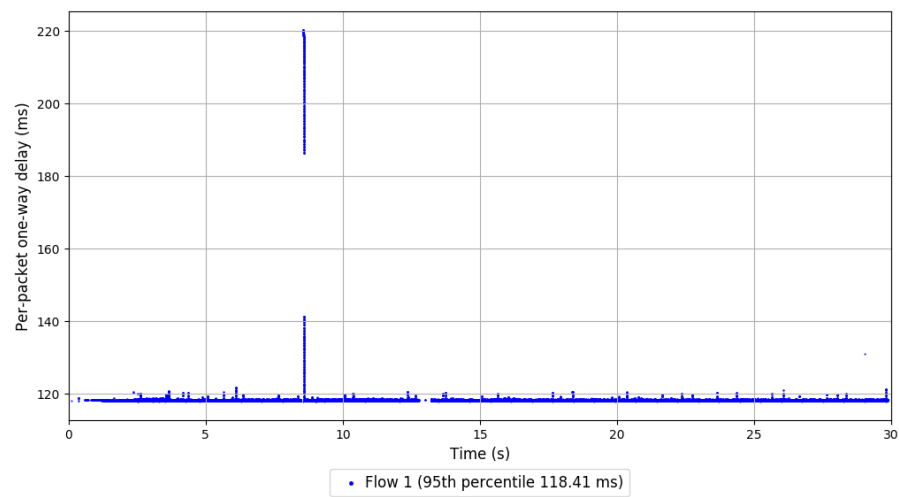
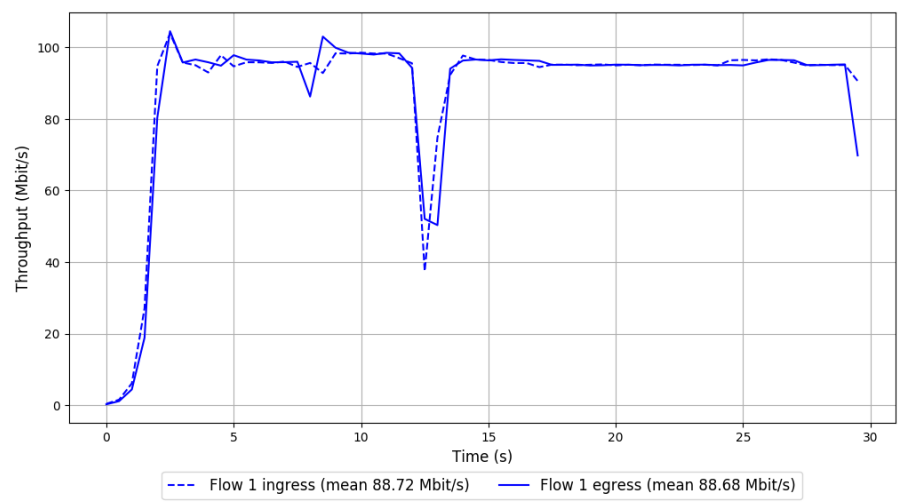
-- Flow 1:

Average throughput: 88.68 Mbit/s

95th percentile per-packet one-way delay: 118.411 ms

Loss rate: 0.83%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2017-09-21 10:41:04

End at: 2017-09-21 10:41:34

Below is generated by plot.py at 2017-09-21 13:05:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.88 Mbit/s

95th percentile per-packet one-way delay: 118.505 ms

Loss rate: 0.82%

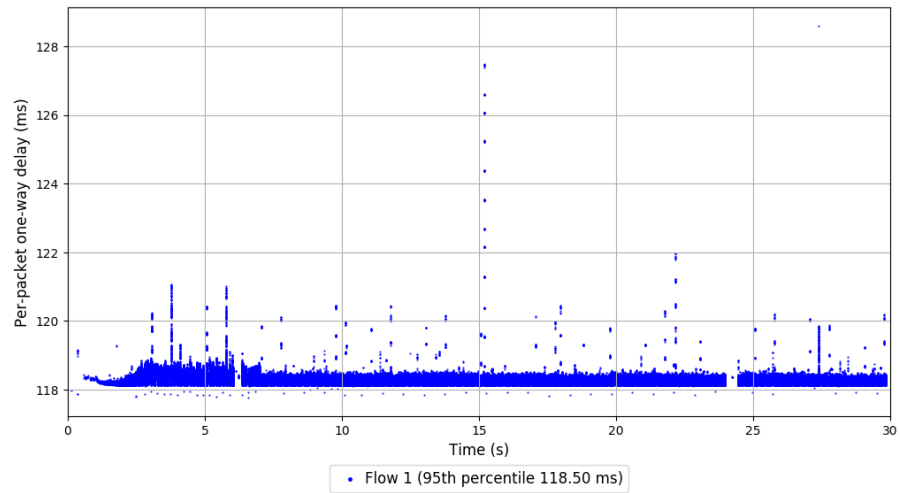
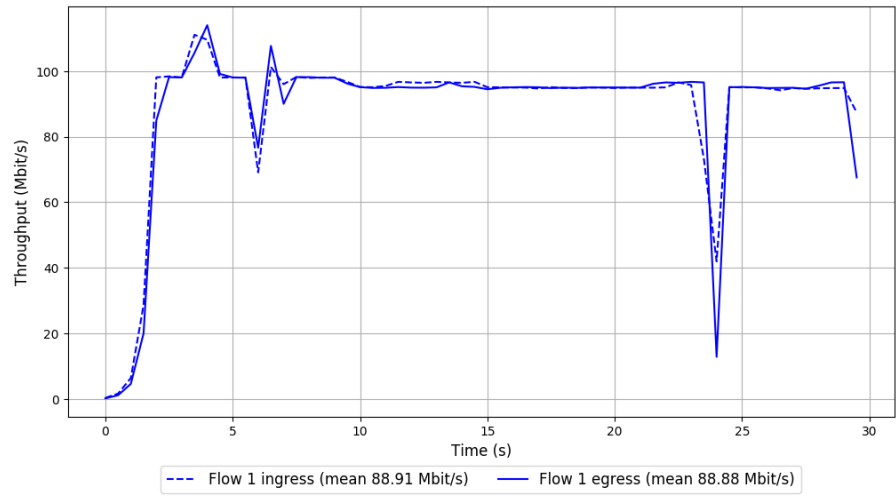
-- Flow 1:

Average throughput: 88.88 Mbit/s

95th percentile per-packet one-way delay: 118.505 ms

Loss rate: 0.82%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2017-09-21 10:52:17

End at: 2017-09-21 10:52:48

Below is generated by plot.py at 2017-09-21 13:07:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.47 Mbit/s

95th percentile per-packet one-way delay: 118.504 ms

Loss rate: 0.80%

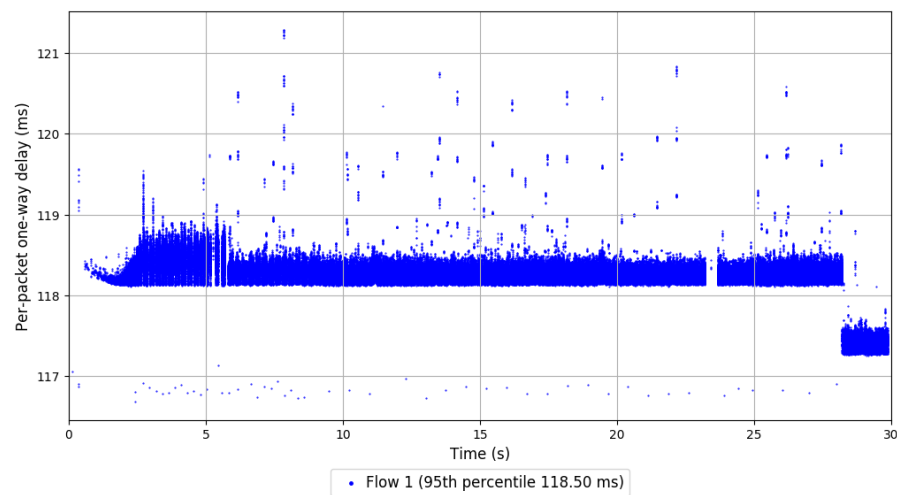
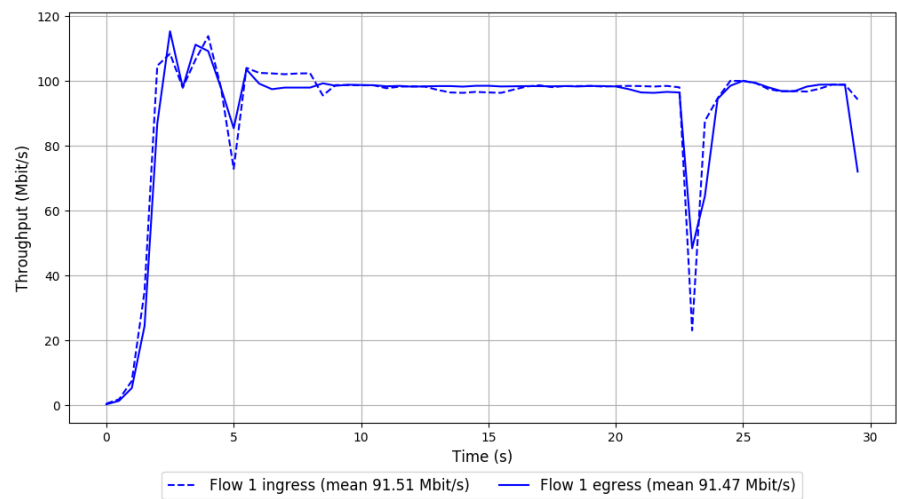
-- Flow 1:

Average throughput: 91.47 Mbit/s

95th percentile per-packet one-way delay: 118.504 ms

Loss rate: 0.80%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2017-09-21 11:03:11

End at: 2017-09-21 11:03:41

Below is generated by plot.py at 2017-09-21 13:07:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.15 Mbit/s

95th percentile per-packet one-way delay: 114.811 ms

Loss rate: 0.84%

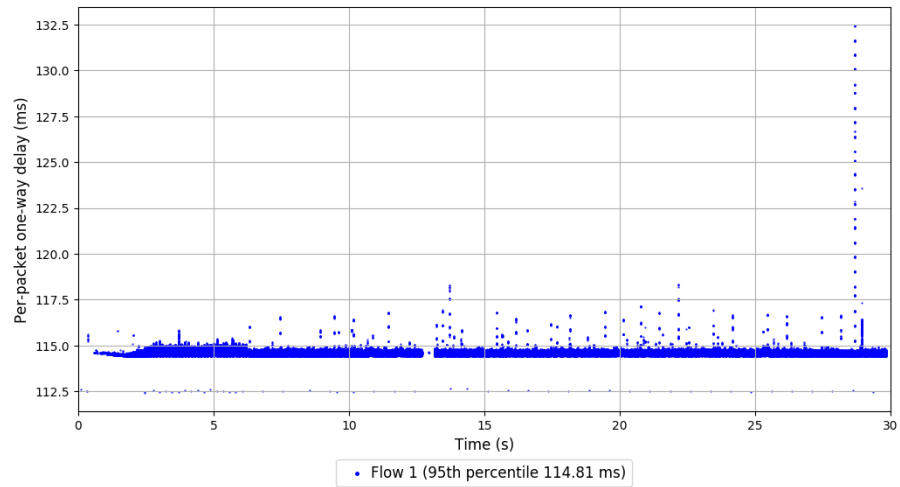
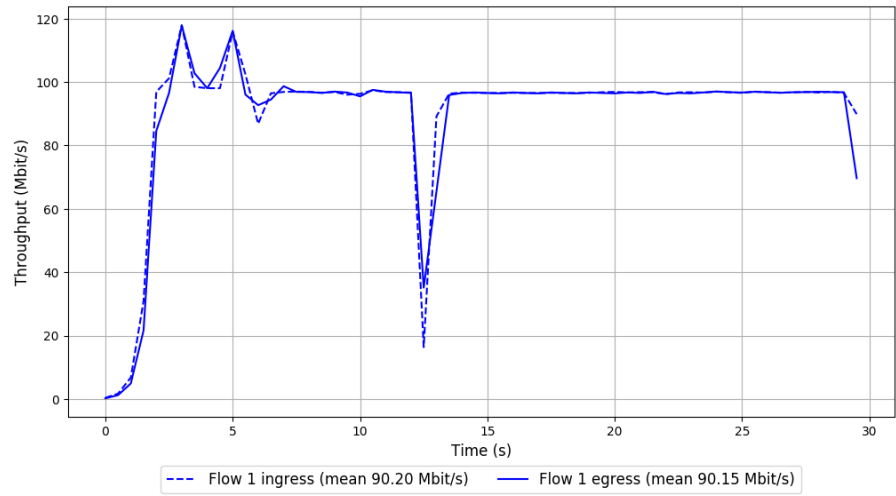
-- Flow 1:

Average throughput: 90.15 Mbit/s

95th percentile per-packet one-way delay: 114.811 ms

Loss rate: 0.84%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-09-21 09:28:51

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

Below is generated by plot.py at 2017-09-21 13:07:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.52 Mbit/s

95th percentile per-packet one-way delay: 128.872 ms

Loss rate: 0.67%

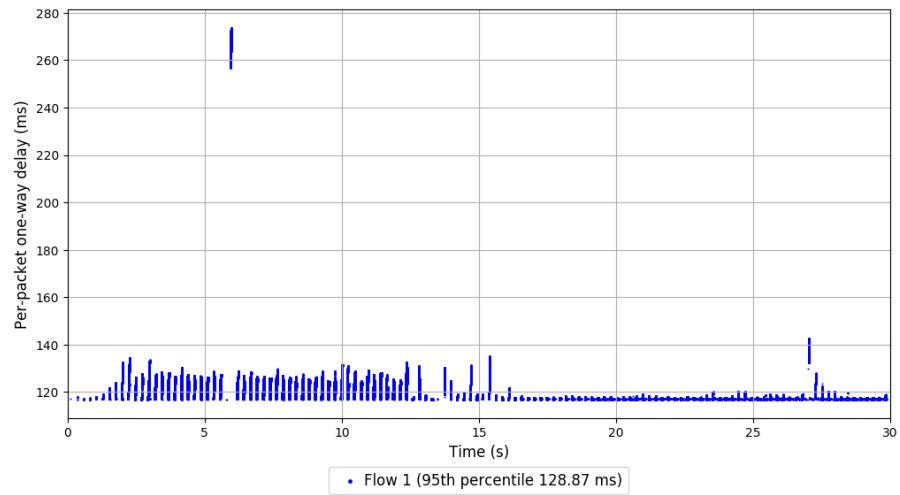
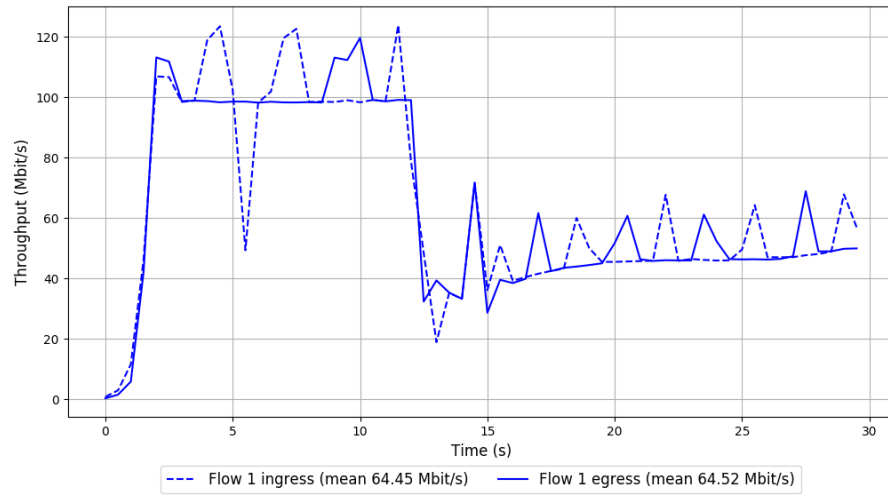
-- Flow 1:

Average throughput: 64.52 Mbit/s

95th percentile per-packet one-way delay: 128.872 ms

Loss rate: 0.67%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2017-09-21 09:40:14

End at: 2017-09-21 09:40:44

Below is generated by plot.py at 2017-09-21 13:07:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.31 Mbit/s

95th percentile per-packet one-way delay: 127.507 ms

Loss rate: 0.58%

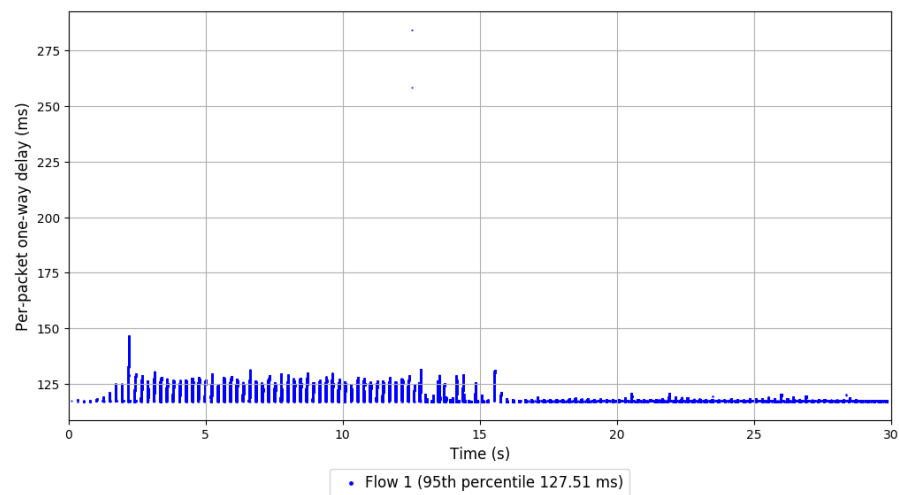
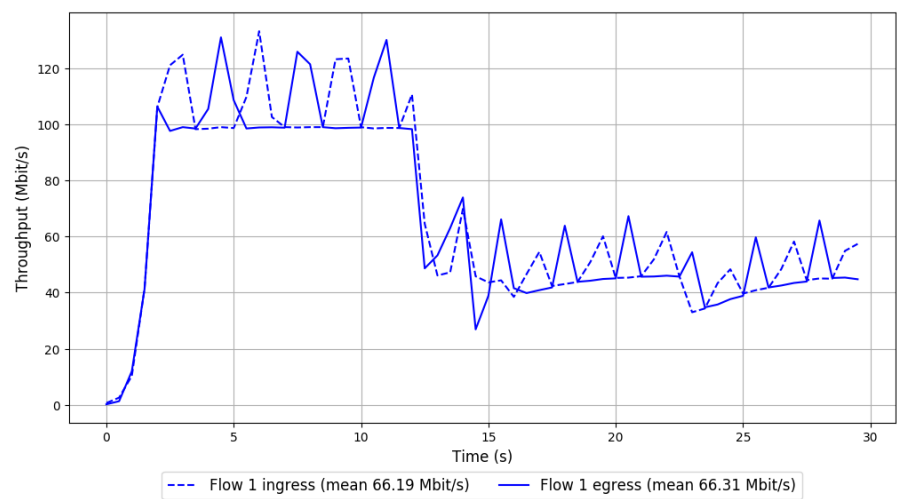
-- Flow 1:

Average throughput: 66.31 Mbit/s

95th percentile per-packet one-way delay: 127.507 ms

Loss rate: 0.58%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2017-09-21 09:51:14

End at: 2017-09-21 09:51:44

Below is generated by plot.py at 2017-09-21 13:07:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.76 Mbit/s

95th percentile per-packet one-way delay: 127.423 ms

Loss rate: 0.93%

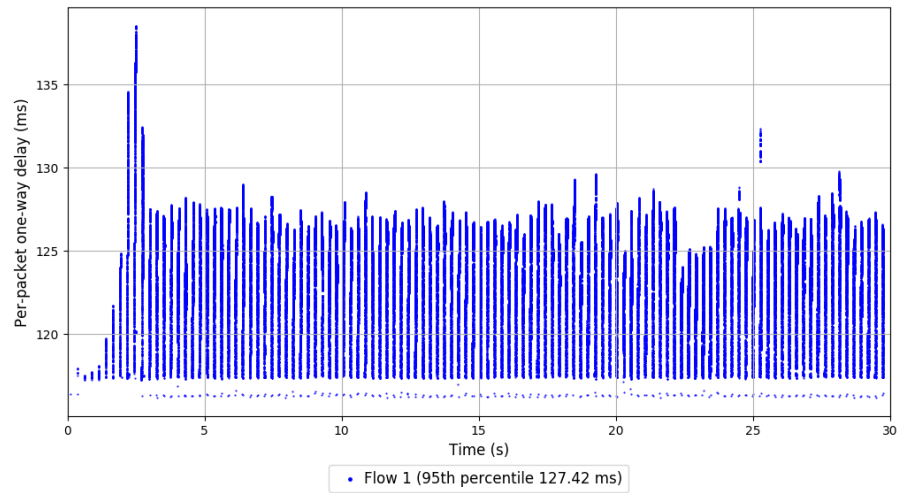
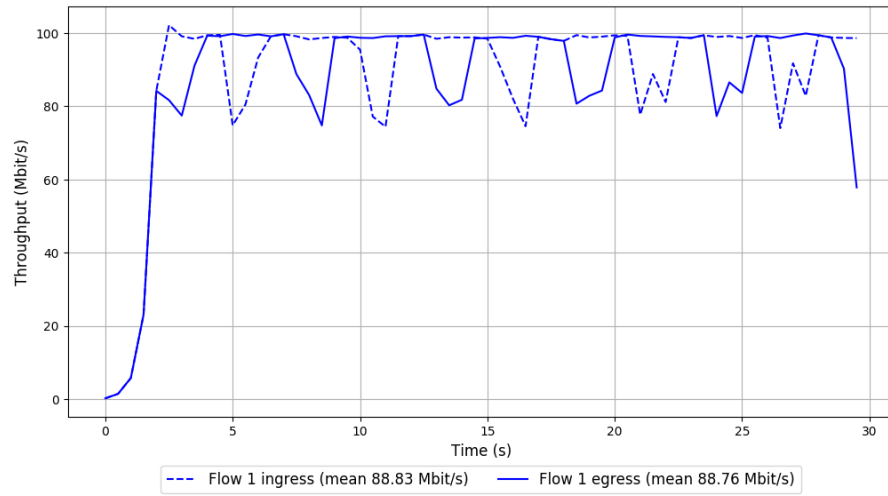
-- Flow 1:

Average throughput: 88.76 Mbit/s

95th percentile per-packet one-way delay: 127.423 ms

Loss rate: 0.93%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-09-21 10:02:15

End at: 2017-09-21 10:02:45

Below is generated by plot.py at 2017-09-21 13:07:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.46 Mbit/s

95th percentile per-packet one-way delay: 126.815 ms

Loss rate: 0.71%

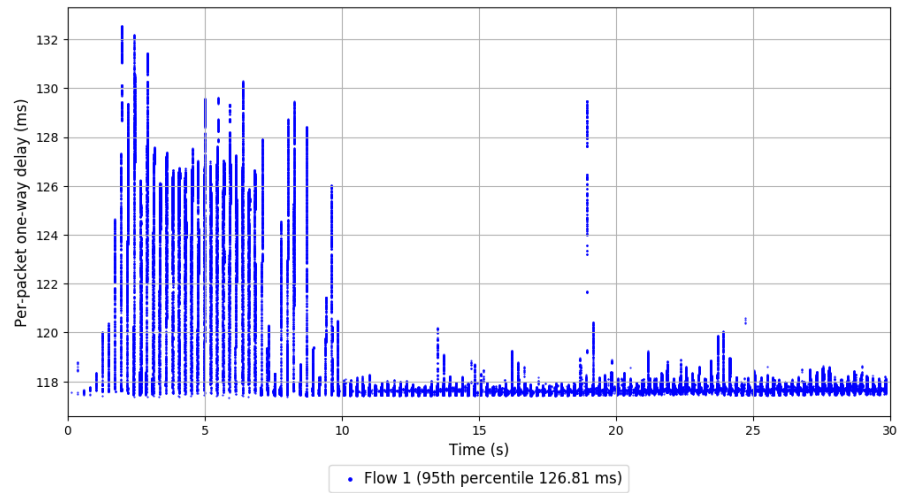
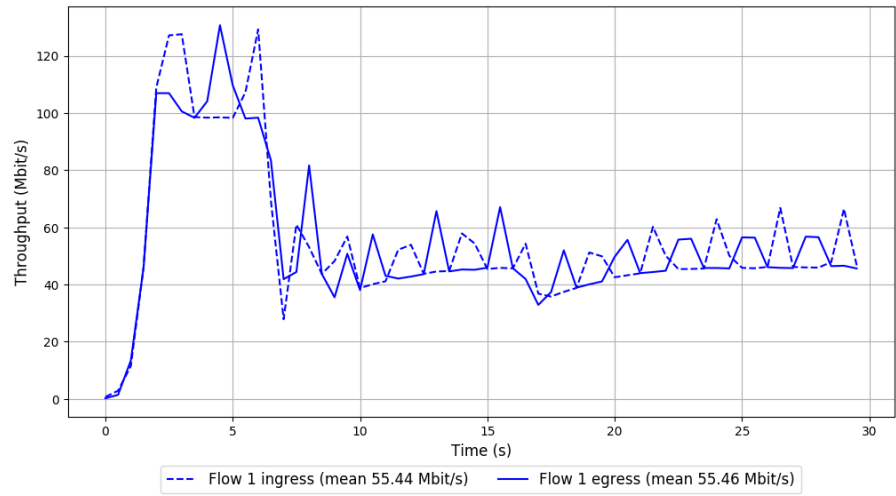
-- Flow 1:

Average throughput: 55.46 Mbit/s

95th percentile per-packet one-way delay: 126.815 ms

Loss rate: 0.71%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2017-09-21 10:13:32

End at: 2017-09-21 10:14:02

Below is generated by plot.py at 2017-09-21 13:07:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.39 Mbit/s

95th percentile per-packet one-way delay: 127.501 ms

Loss rate: 0.77%

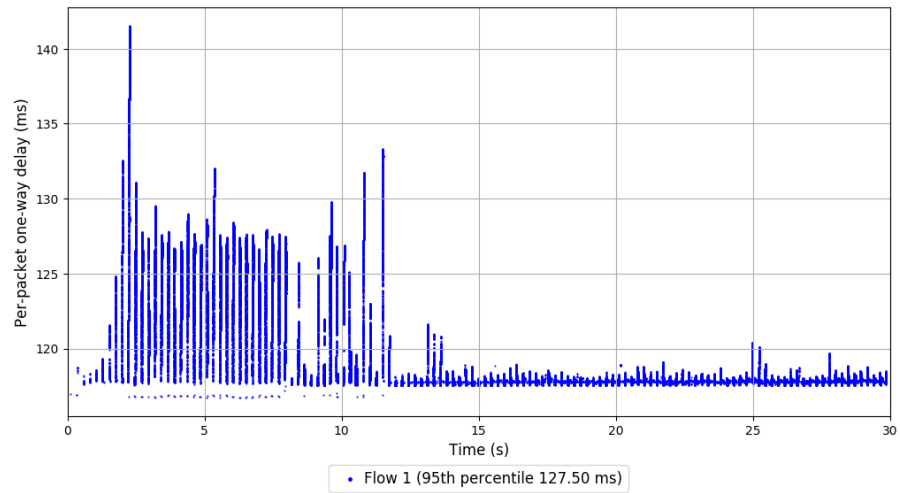
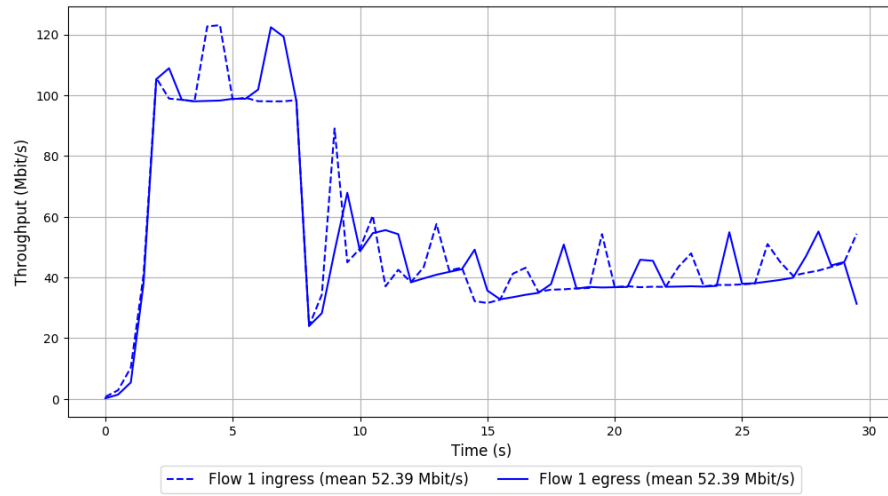
-- Flow 1:

Average throughput: 52.39 Mbit/s

95th percentile per-packet one-way delay: 127.501 ms

Loss rate: 0.77%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2017-09-21 10:24:24

End at: 2017-09-21 10:24:54

Below is generated by plot.py at 2017-09-21 13:07:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.49 Mbit/s

95th percentile per-packet one-way delay: 126.081 ms

Loss rate: 0.60%

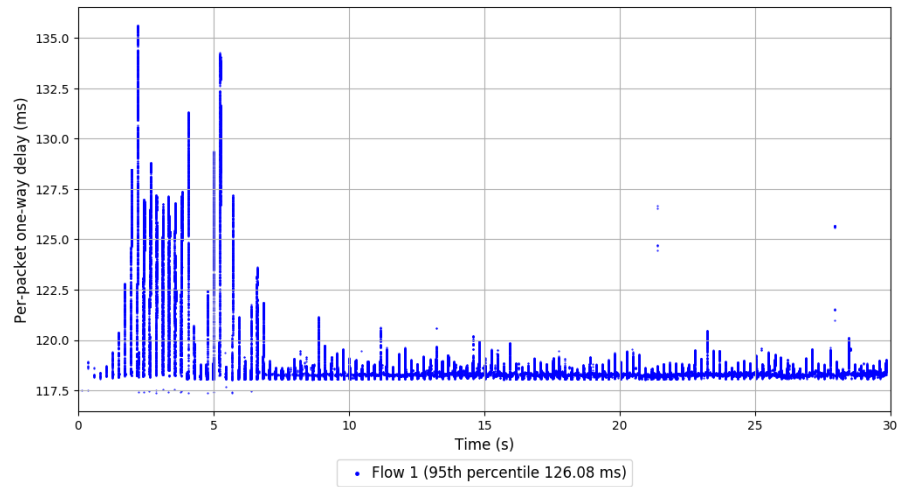
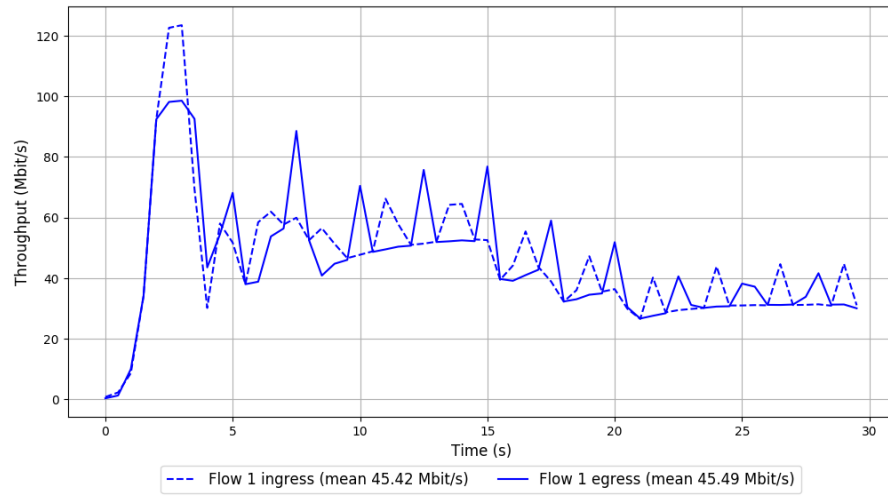
-- Flow 1:

Average throughput: 45.49 Mbit/s

95th percentile per-packet one-way delay: 126.081 ms

Loss rate: 0.60%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2017-09-21 10:35:35

End at: 2017-09-21 10:36:05

Below is generated by plot.py at 2017-09-21 13:07:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.20 Mbit/s

95th percentile per-packet one-way delay: 128.897 ms

Loss rate: 1.23%

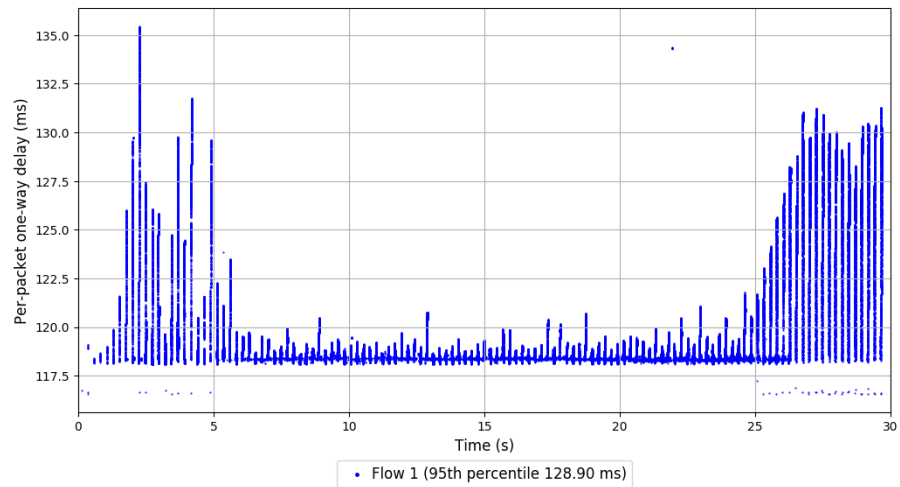
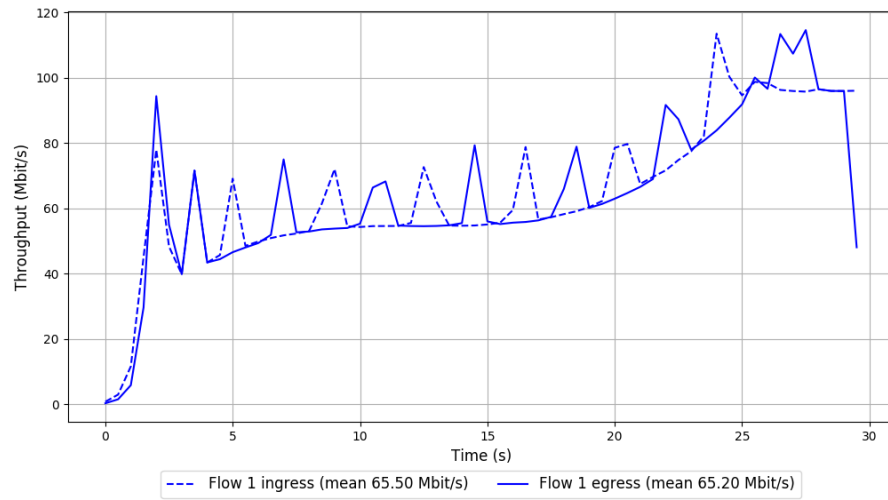
-- Flow 1:

Average throughput: 65.20 Mbit/s

95th percentile per-packet one-way delay: 128.897 ms

Loss rate: 1.23%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-09-21 10:46:48

End at: 2017-09-21 10:47:18

Below is generated by plot.py at 2017-09-21 13:08:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.06 Mbit/s

95th percentile per-packet one-way delay: 128.557 ms

Loss rate: 0.84%

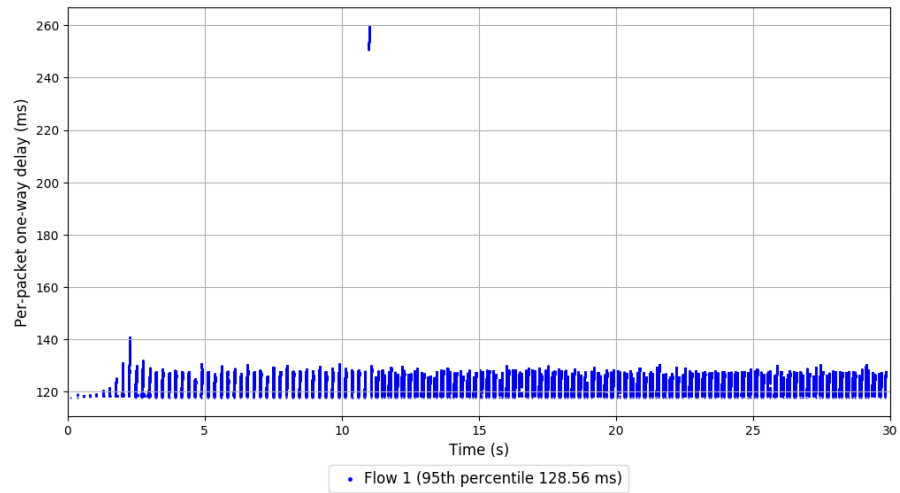
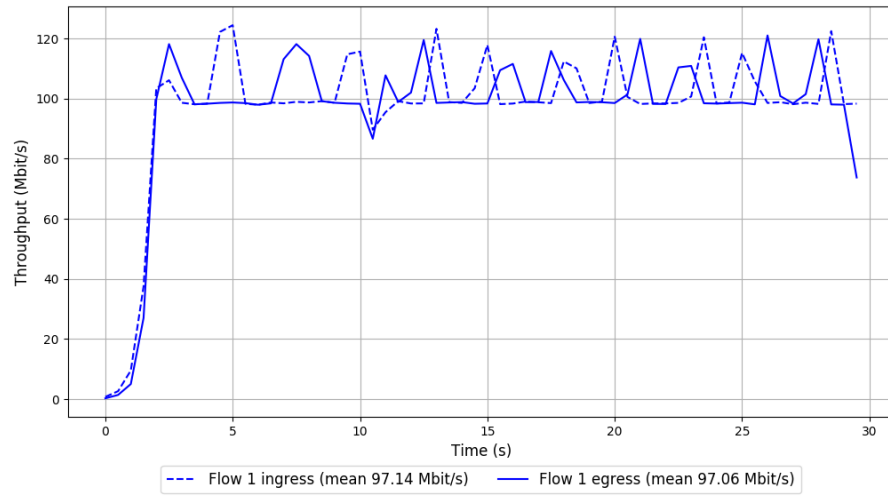
-- Flow 1:

Average throughput: 97.06 Mbit/s

95th percentile per-packet one-way delay: 128.557 ms

Loss rate: 0.84%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2017-09-21 10:58:04

End at: 2017-09-21 10:58:34

Below is generated by plot.py at 2017-09-21 13:08:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.79 Mbit/s

95th percentile per-packet one-way delay: 119.794 ms

Loss rate: 0.54%

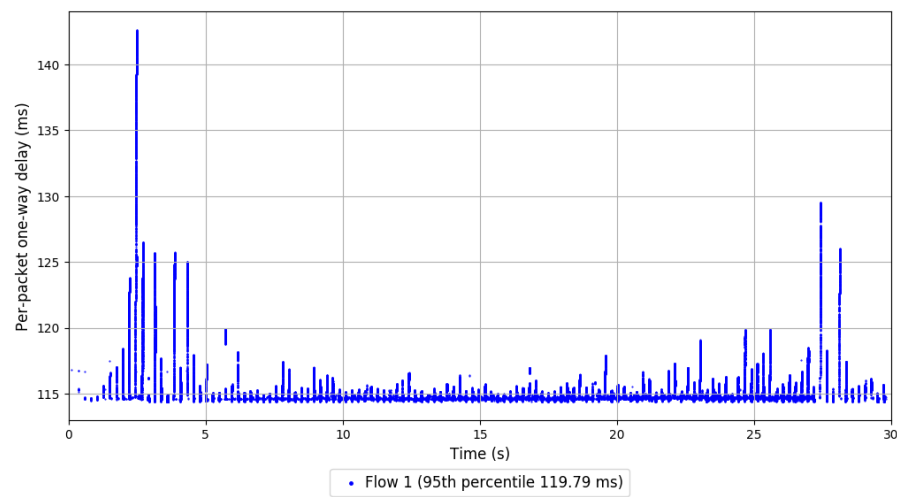
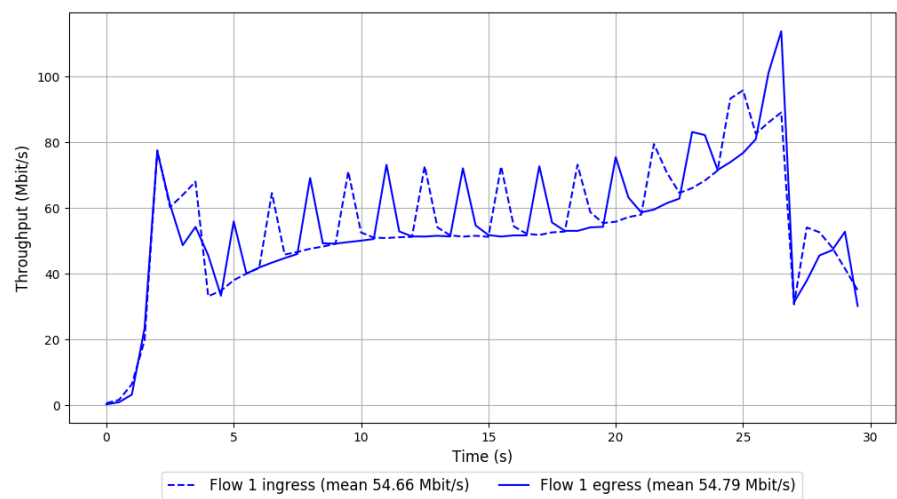
-- Flow 1:

Average throughput: 54.79 Mbit/s

95th percentile per-packet one-way delay: 119.794 ms

Loss rate: 0.54%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-09-21 11:08:58

End at: 2017-09-21 11:09:28

Below is generated by plot.py at 2017-09-21 13:08:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.69 Mbit/s

95th percentile per-packet one-way delay: 123.806 ms

Loss rate: 0.78%

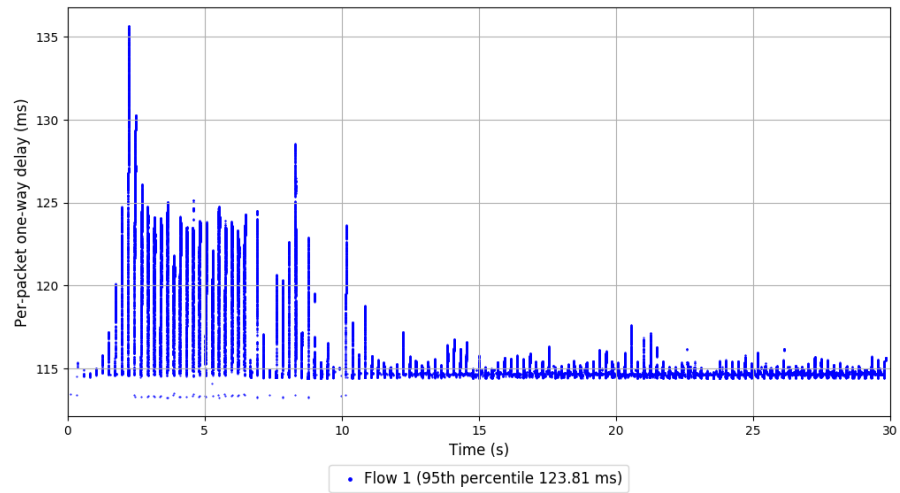
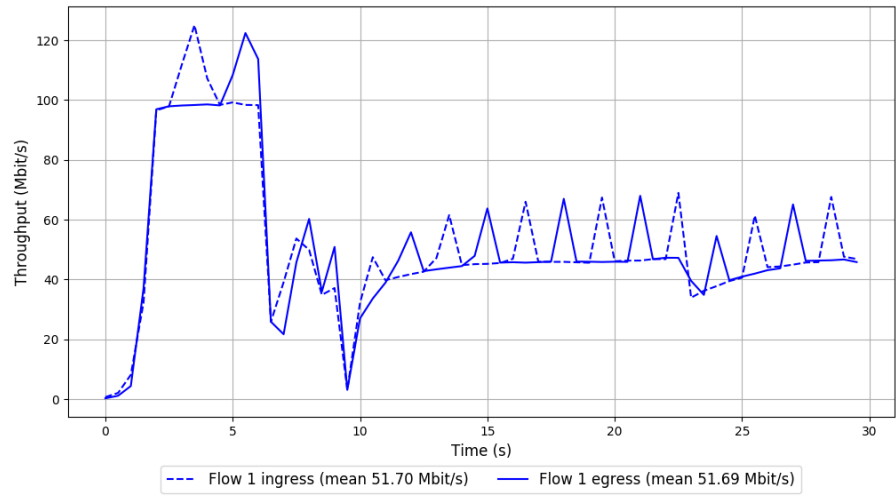
-- Flow 1:

Average throughput: 51.69 Mbit/s

95th percentile per-packet one-way delay: 123.806 ms

Loss rate: 0.78%

Run 10: Report of TCP Cubic — Data Link

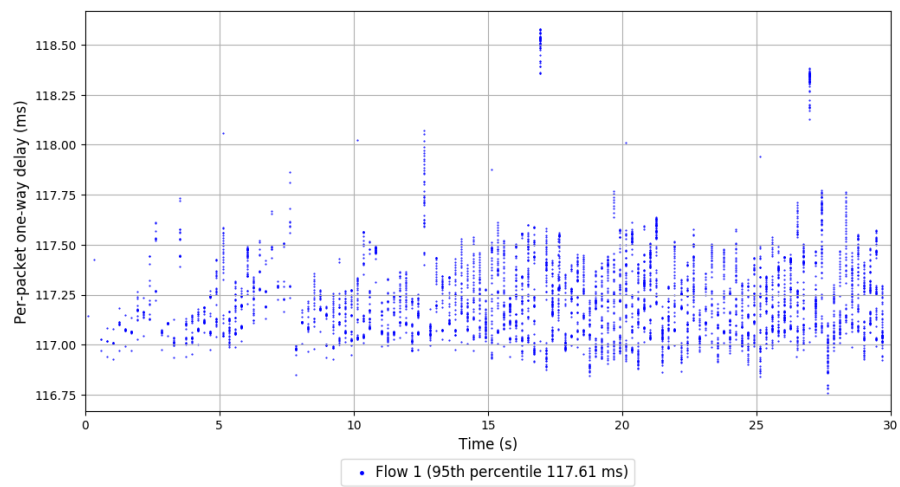
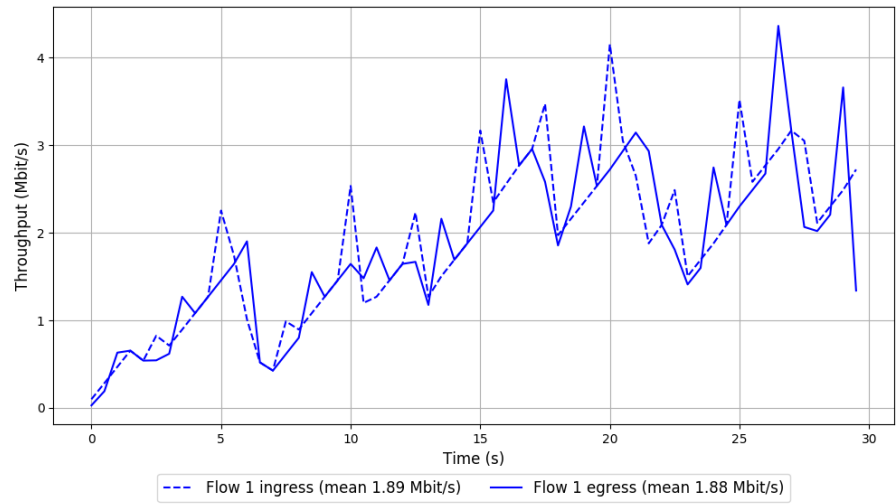


```
Run 1: Statistics of LEDBAT

Start at: 2017-09-21 09:25:26
End at: 2017-09-21 09:25:56

# Below is generated by plot.py at 2017-09-21 13:08:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 117.612 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 117.612 ms
Loss rate: 1.27%
```


Run 1: Report of LEDBAT — Data Link

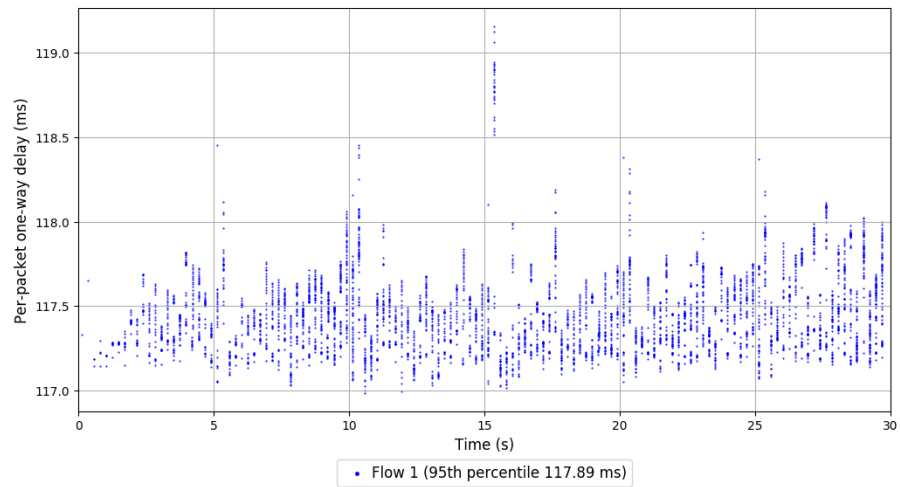
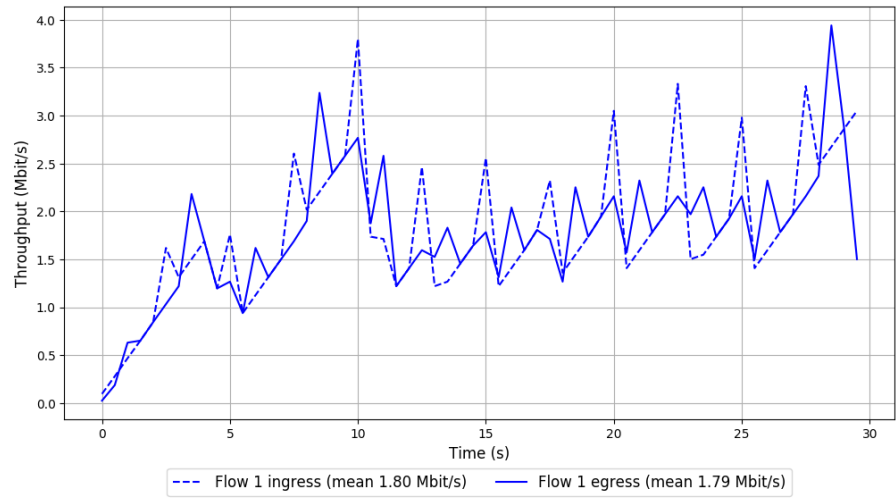


```
Run 2: Statistics of LEDBAT

Start at: 2017-09-21 09:36:50
End at: 2017-09-21 09:37:20

# Below is generated by plot.py at 2017-09-21 13:08:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 117.889 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 117.889 ms
Loss rate: 1.51%
```

Run 2: Report of LEDBAT — Data Link

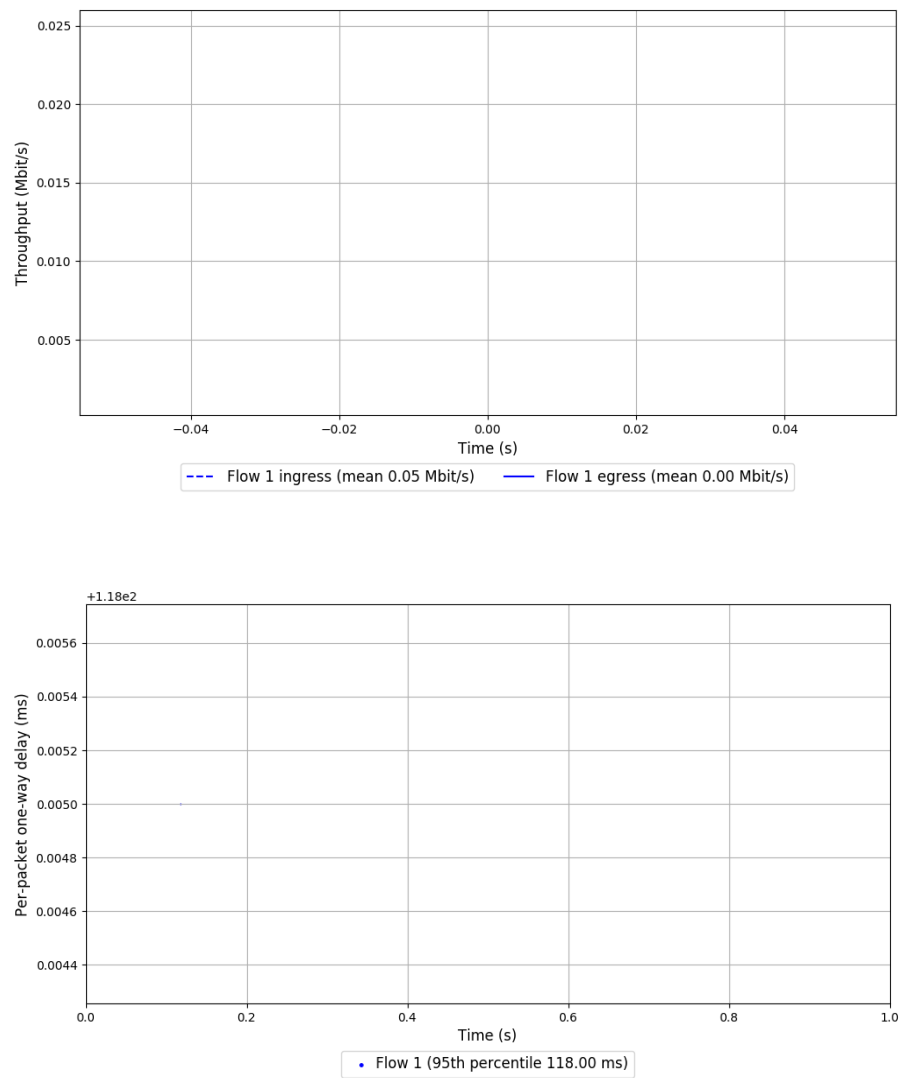


Run 3: Statistics of LEDBAT

Start at: 2017-09-21 09:47:55

End at: 2017-09-21 09:48:25

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-09-21 09:58:55

End at: 2017-09-21 09:59:25

Below is generated by plot.py at 2017-09-21 13:08:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 118.293 ms

Loss rate: 1.69%

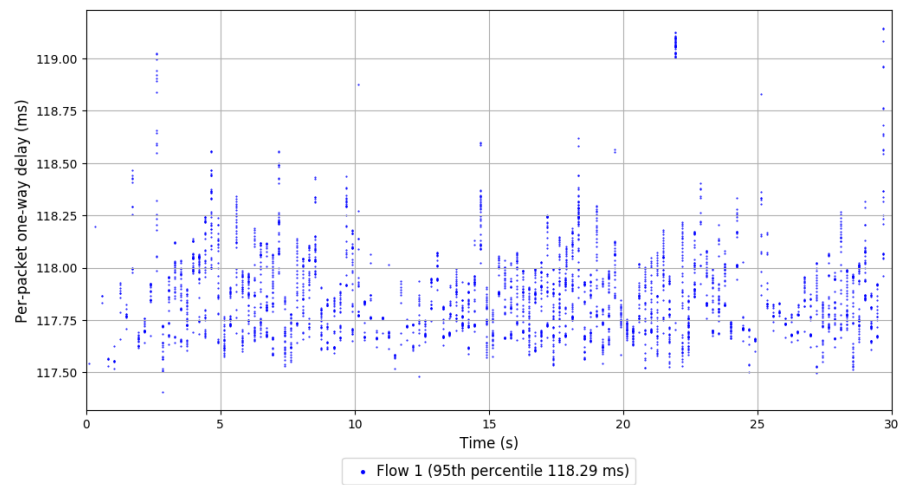
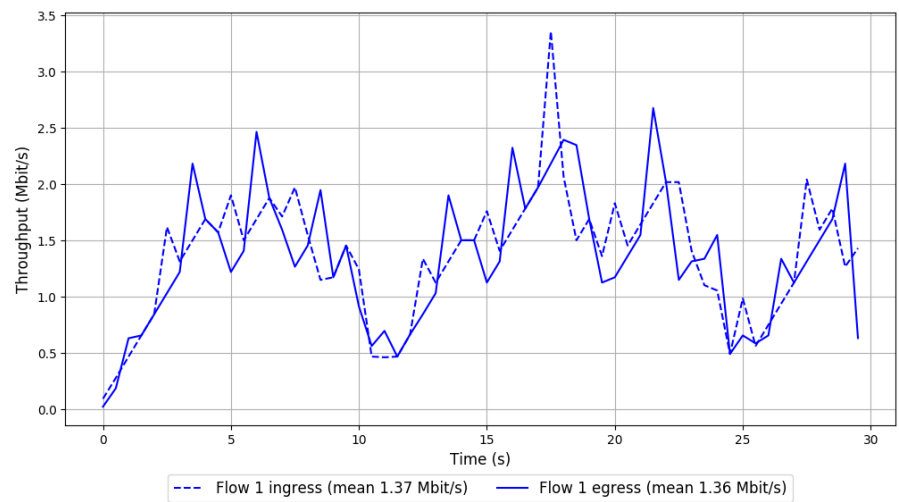
-- Flow 1:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 118.293 ms

Loss rate: 1.69%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2017-09-21 10:10:13

End at: 2017-09-21 10:10:43

Below is generated by plot.py at 2017-09-21 13:08:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 118.478 ms

Loss rate: 1.13%

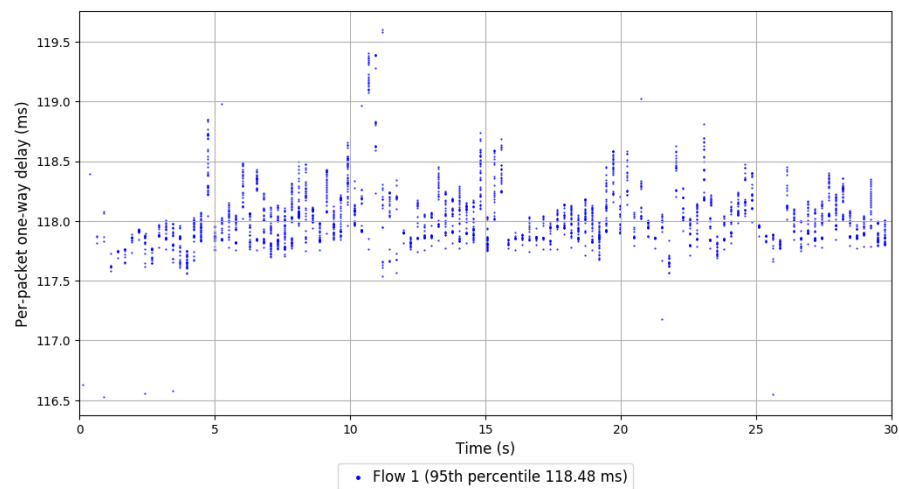
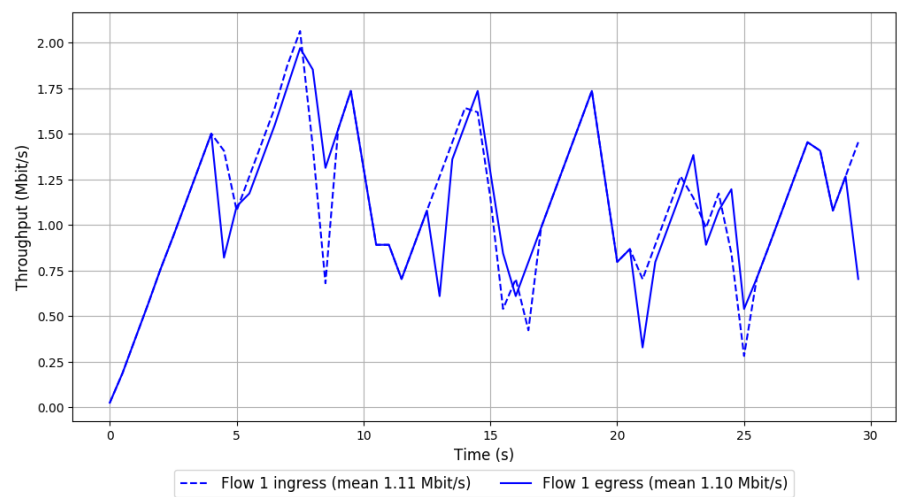
-- Flow 1:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 118.478 ms

Loss rate: 1.13%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-09-21 10:21:04

End at: 2017-09-21 10:21:34

Below is generated by plot.py at 2017-09-21 13:08:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 118.589 ms

Loss rate: 0.74%

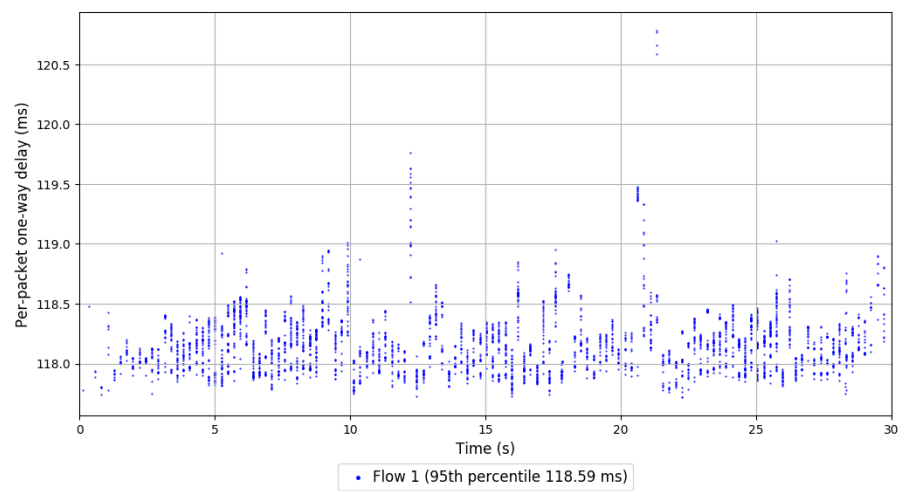
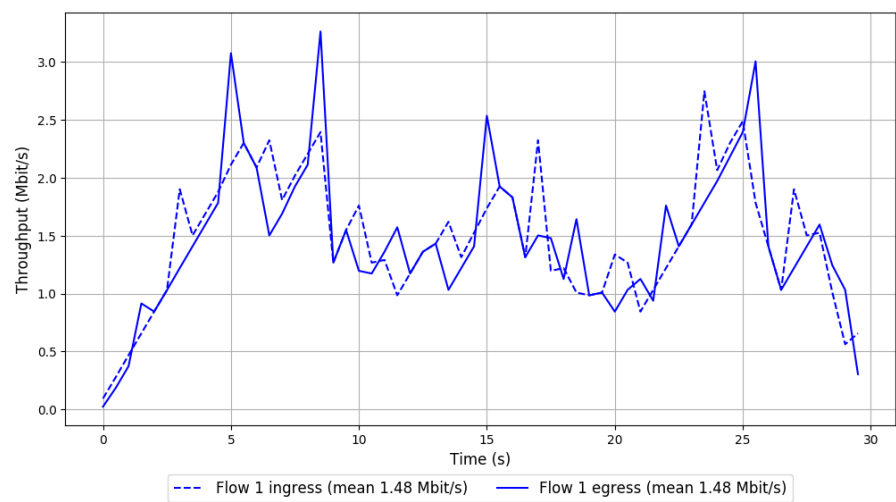
-- Flow 1:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 118.589 ms

Loss rate: 0.74%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2017-09-21 10:32:18

End at: 2017-09-21 10:32:48

Below is generated by plot.py at 2017-09-21 13:08:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.02 Mbit/s

95th percentile per-packet one-way delay: 118.827 ms

Loss rate: 0.62%

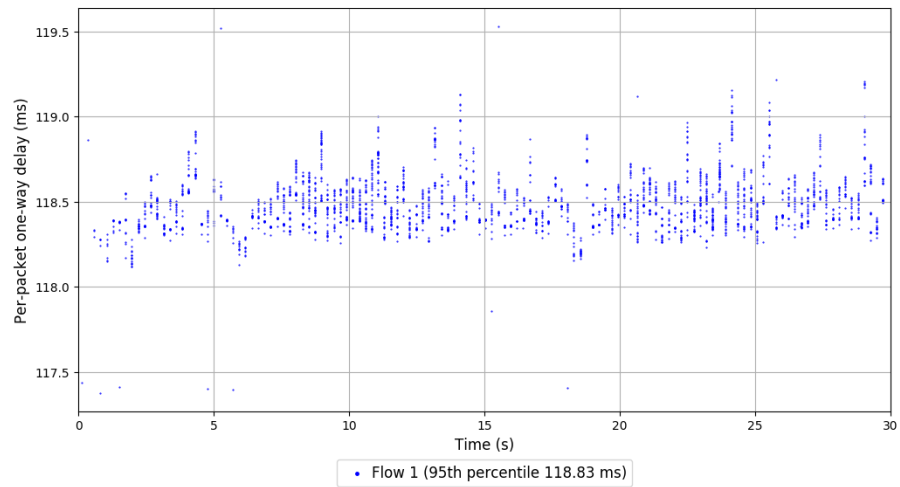
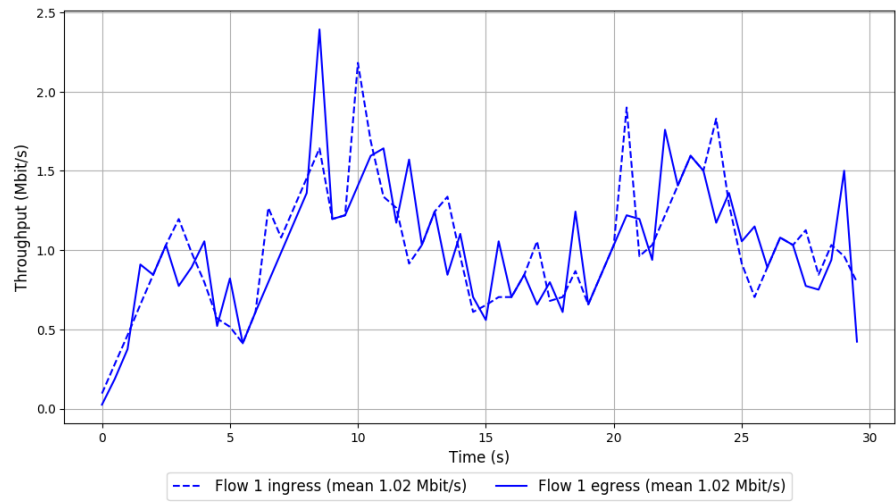
-- Flow 1:

Average throughput: 1.02 Mbit/s

95th percentile per-packet one-way delay: 118.827 ms

Loss rate: 0.62%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2017-09-21 10:43:28

End at: 2017-09-21 10:43:58

Below is generated by plot.py at 2017-09-21 13:08:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 118.864 ms

Loss rate: 1.06%

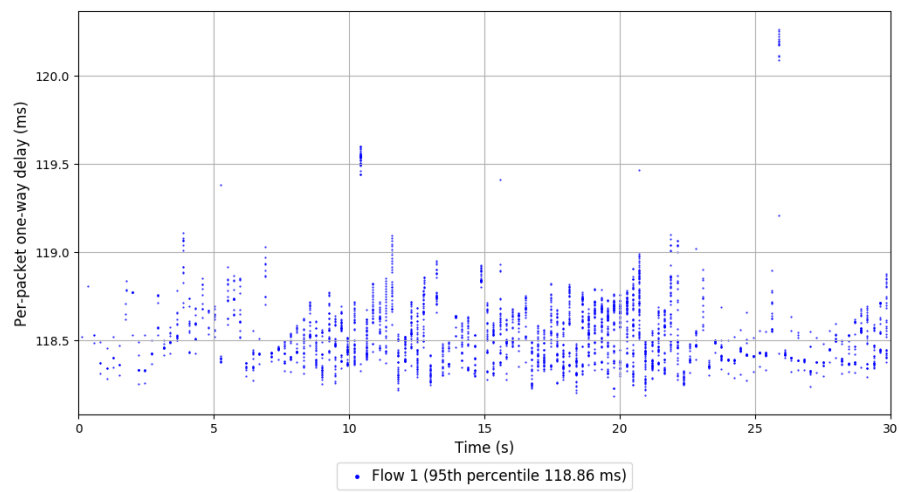
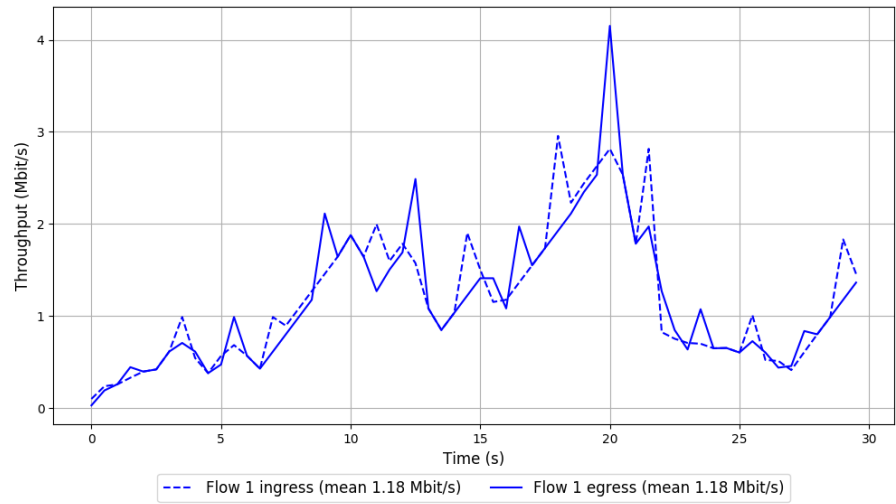
-- Flow 1:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 118.864 ms

Loss rate: 1.06%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2017-09-21 10:54:47

End at: 2017-09-21 10:55:17

Run 9: Report of LEDBAT — Data Link

Figure is missing

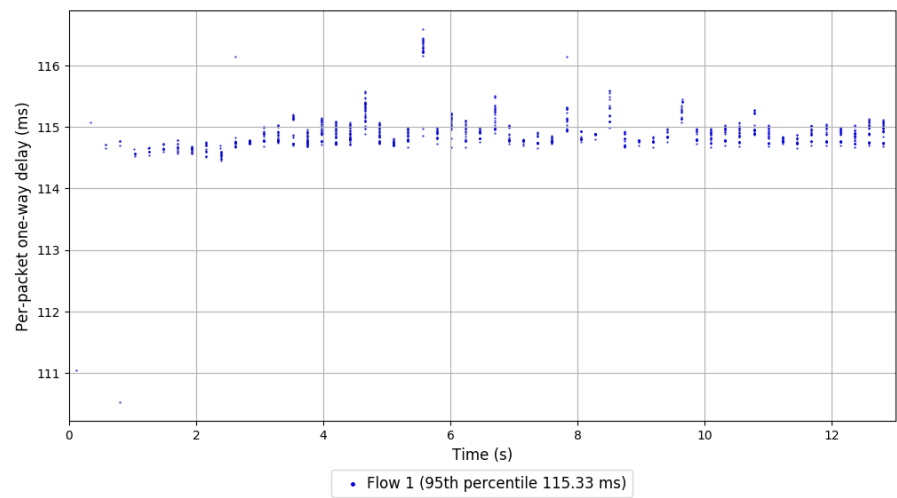
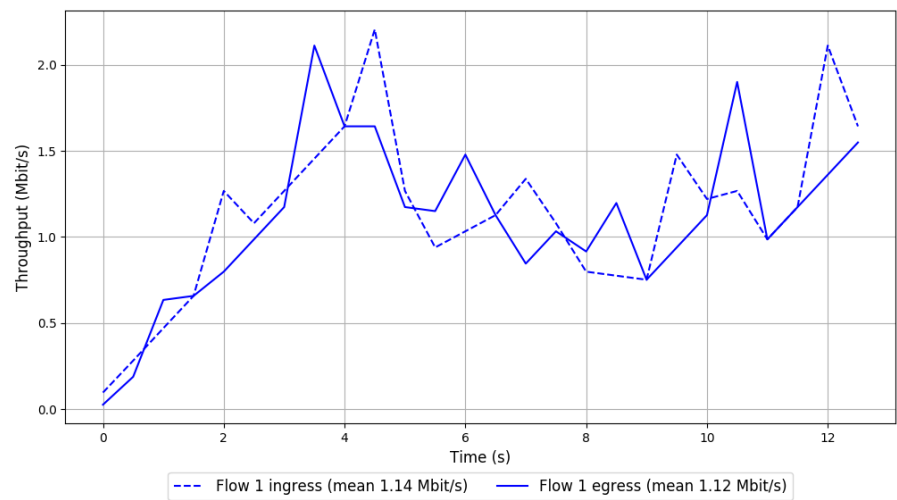
Figure is missing

Run 10: Statistics of LEDBAT

Start at: 2017-09-21 11:05:41

End at: 2017-09-21 11:06:11

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2017-09-21 09:27:03

End at: 2017-09-21 09:27:33

Below is generated by plot.py at 2017-09-21 13:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 528.45 Mbit/s

95th percentile per-packet one-way delay: 237.039 ms

Loss rate: 2.04%

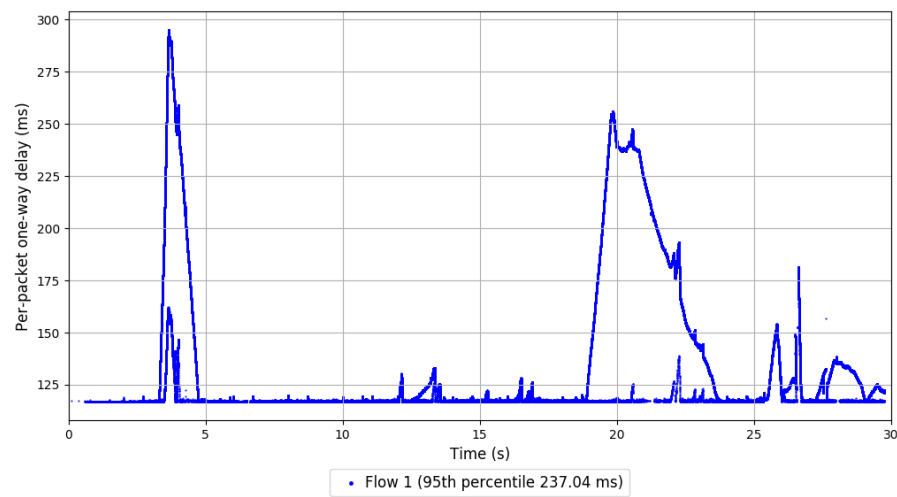
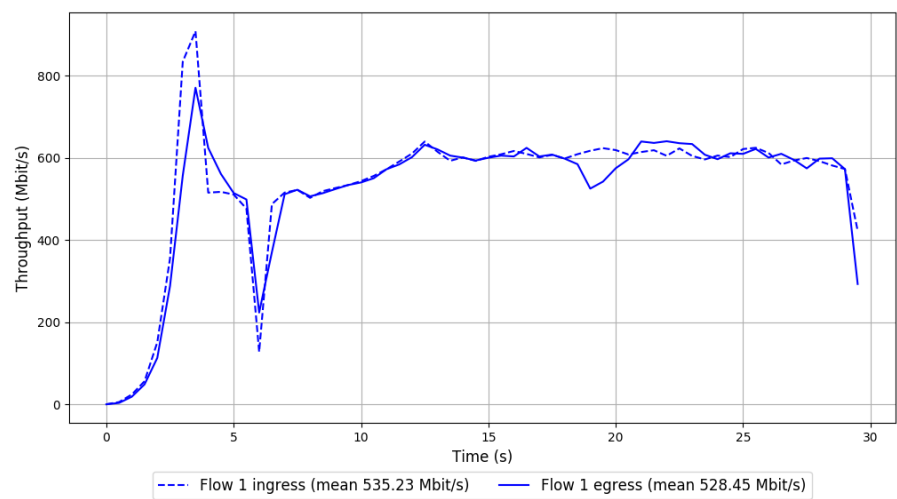
-- Flow 1:

Average throughput: 528.45 Mbit/s

95th percentile per-packet one-way delay: 237.039 ms

Loss rate: 2.04%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-09-21 09:38:27

End at: 2017-09-21 09:38:57

Below is generated by plot.py at 2017-09-21 13:15:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 537.15 Mbit/s

95th percentile per-packet one-way delay: 231.792 ms

Loss rate: 2.29%

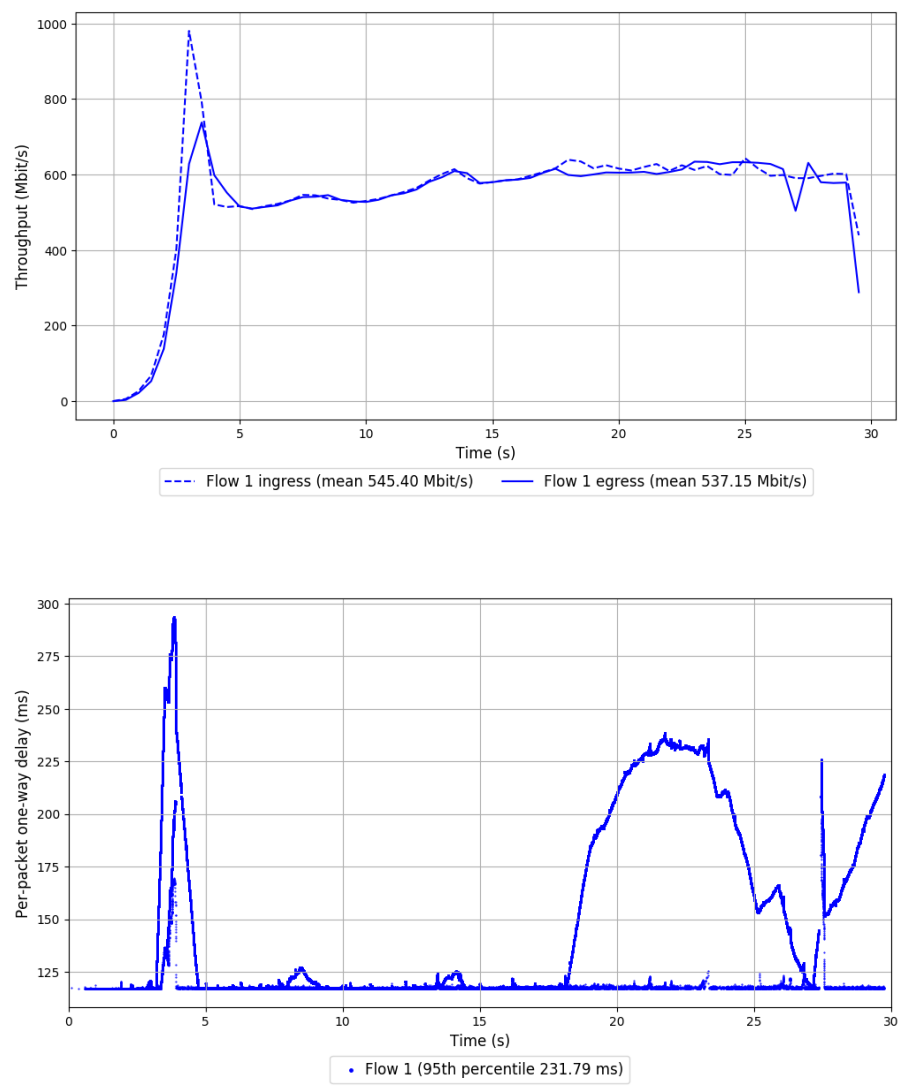
-- Flow 1:

Average throughput: 537.15 Mbit/s

95th percentile per-packet one-way delay: 231.792 ms

Loss rate: 2.29%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-09-21 09:49:30

End at: 2017-09-21 09:50:00

Below is generated by plot.py at 2017-09-21 13:15:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 505.70 Mbit/s

95th percentile per-packet one-way delay: 243.400 ms

Loss rate: 3.40%

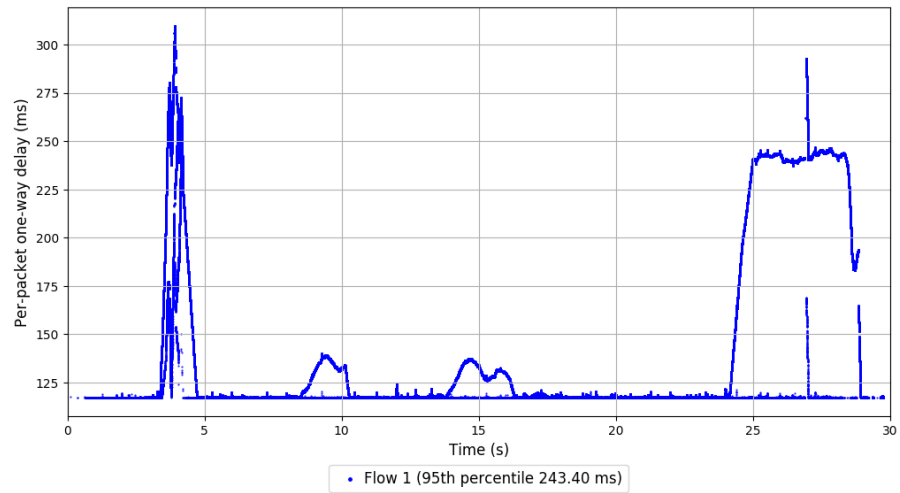
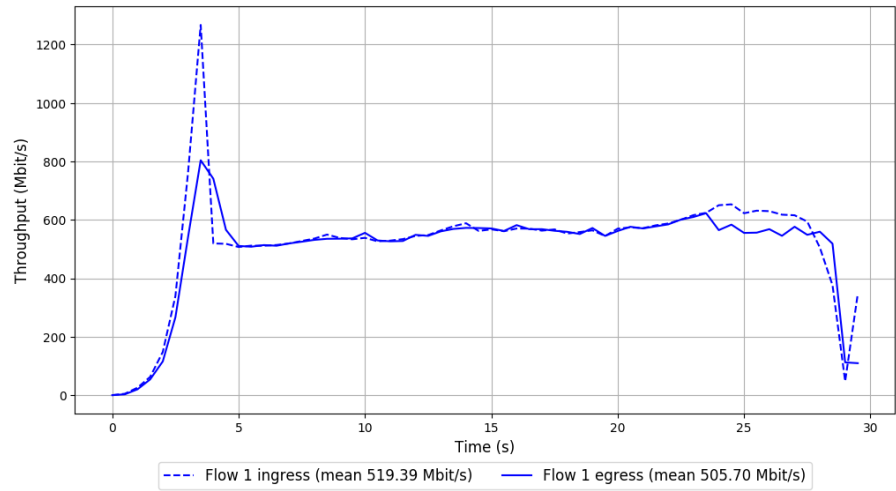
-- Flow 1:

Average throughput: 505.70 Mbit/s

95th percentile per-packet one-way delay: 243.400 ms

Loss rate: 3.40%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-09-21 10:00:31

End at: 2017-09-21 10:01:01

Below is generated by plot.py at 2017-09-21 13:15:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 506.75 Mbit/s

95th percentile per-packet one-way delay: 247.344 ms

Loss rate: 4.30%

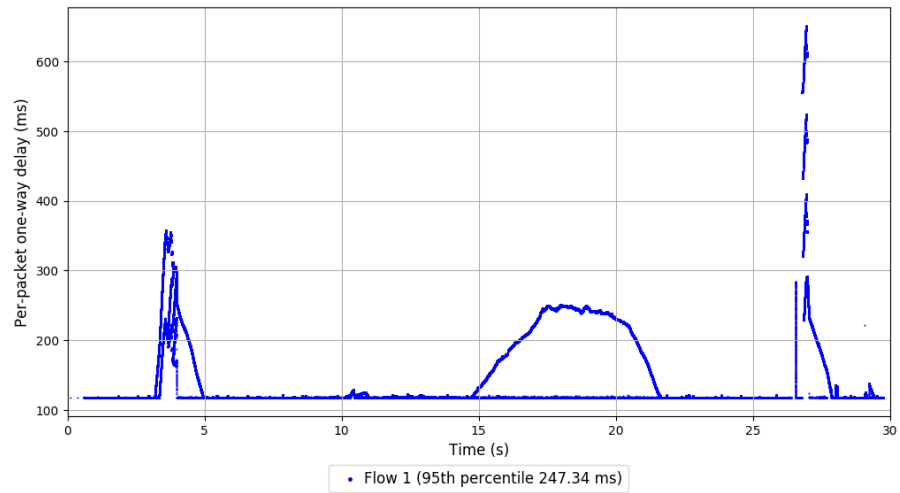
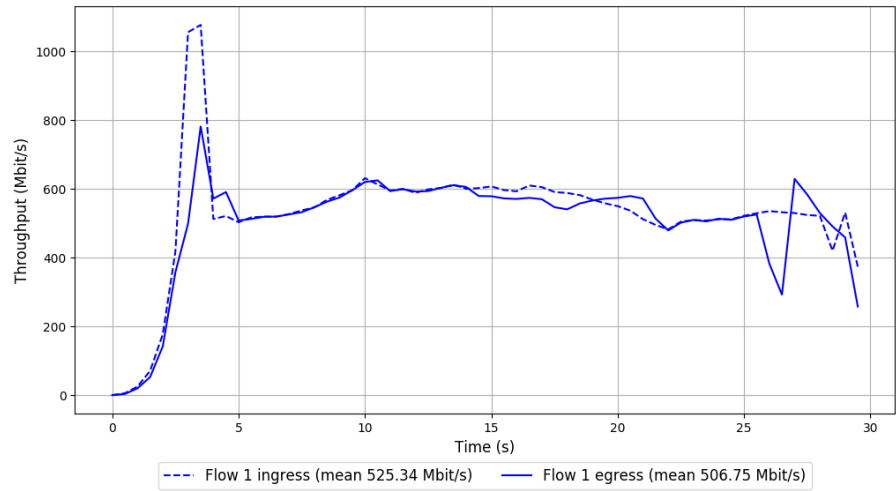
-- Flow 1:

Average throughput: 506.75 Mbit/s

95th percentile per-packet one-way delay: 247.344 ms

Loss rate: 4.30%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-09-21 10:11:48

End at: 2017-09-21 10:12:18

Below is generated by plot.py at 2017-09-21 13:15:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 480.14 Mbit/s

95th percentile per-packet one-way delay: 251.843 ms

Loss rate: 4.30%

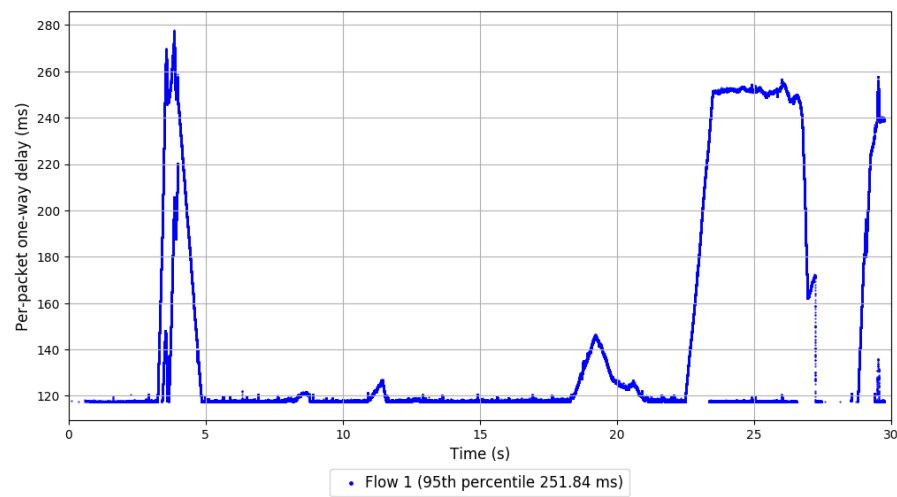
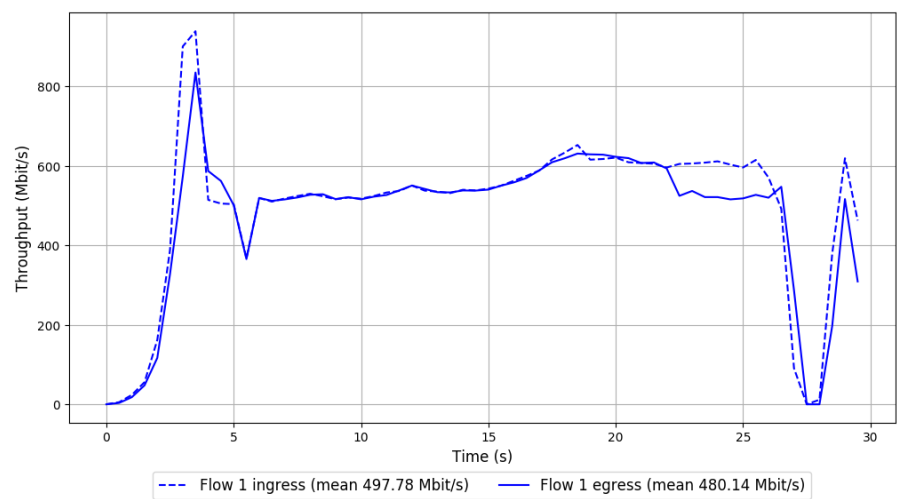
-- Flow 1:

Average throughput: 480.14 Mbit/s

95th percentile per-packet one-way delay: 251.843 ms

Loss rate: 4.30%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-09-21 10:22:40

End at: 2017-09-21 10:23:10

Below is generated by plot.py at 2017-09-21 13:15:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 488.79 Mbit/s

95th percentile per-packet one-way delay: 212.745 ms

Loss rate: 2.44%

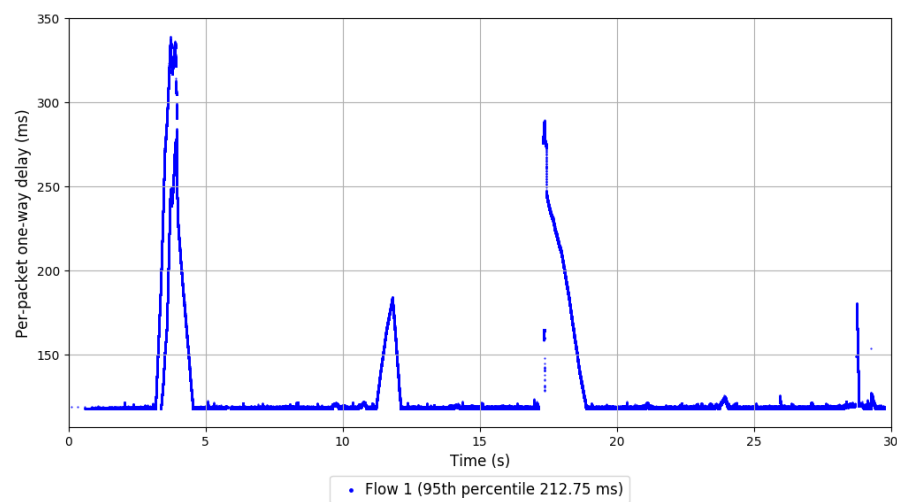
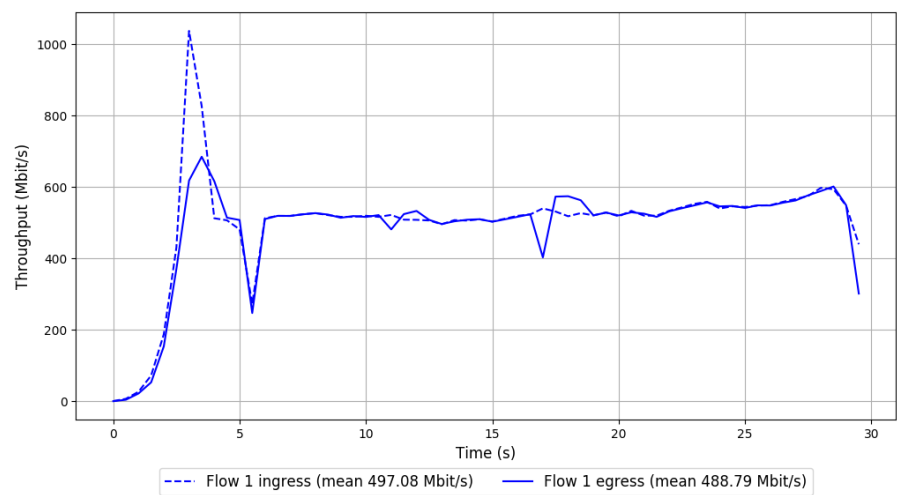
-- Flow 1:

Average throughput: 488.79 Mbit/s

95th percentile per-packet one-way delay: 212.745 ms

Loss rate: 2.44%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-09-21 10:33:53

End at: 2017-09-21 10:34:23

Below is generated by plot.py at 2017-09-21 13:15:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 445.37 Mbit/s

95th percentile per-packet one-way delay: 132.702 ms

Loss rate: 1.33%

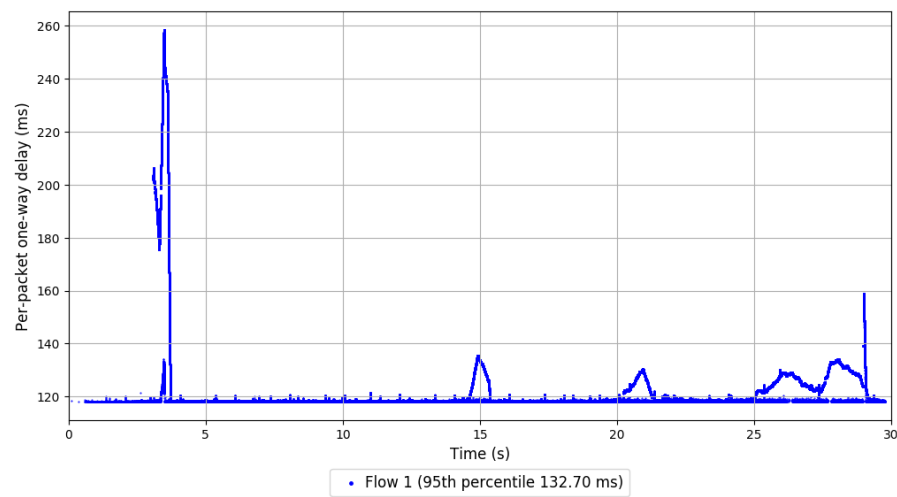
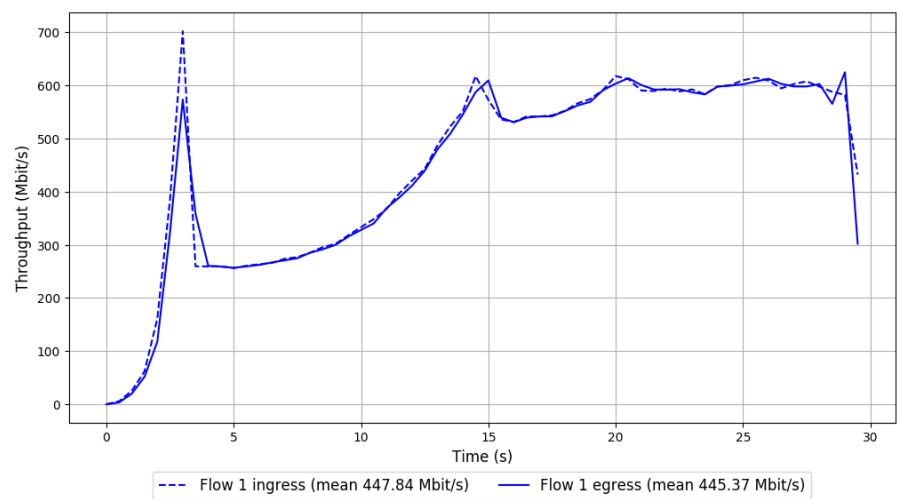
-- Flow 1:

Average throughput: 445.37 Mbit/s

95th percentile per-packet one-way delay: 132.702 ms

Loss rate: 1.33%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2017-09-21 10:45:03

End at: 2017-09-21 10:45:33

Below is generated by plot.py at 2017-09-21 13:17:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 533.31 Mbit/s

95th percentile per-packet one-way delay: 196.928 ms

Loss rate: 2.29%

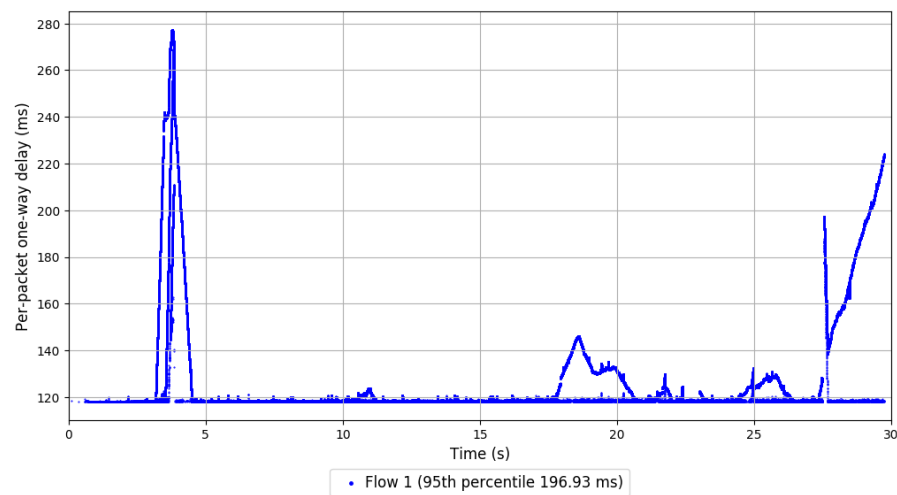
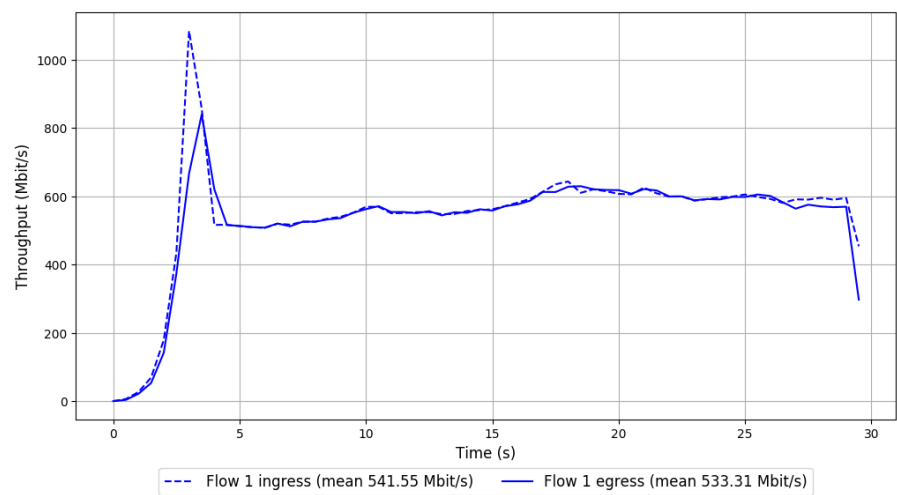
-- Flow 1:

Average throughput: 533.31 Mbit/s

95th percentile per-packet one-way delay: 196.928 ms

Loss rate: 2.29%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-09-21 10:56:21

End at: 2017-09-21 10:56:51

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 525.80 Mbit/s

95th percentile per-packet one-way delay: 209.979 ms

Loss rate: 2.28%

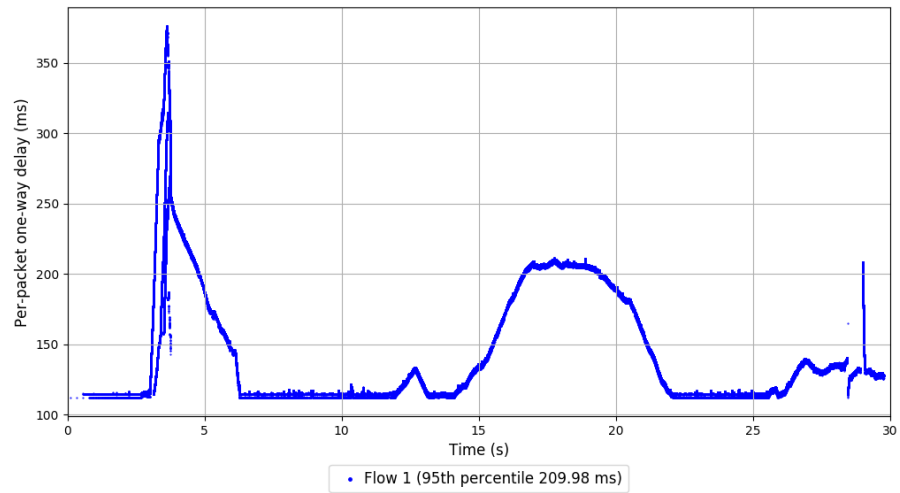
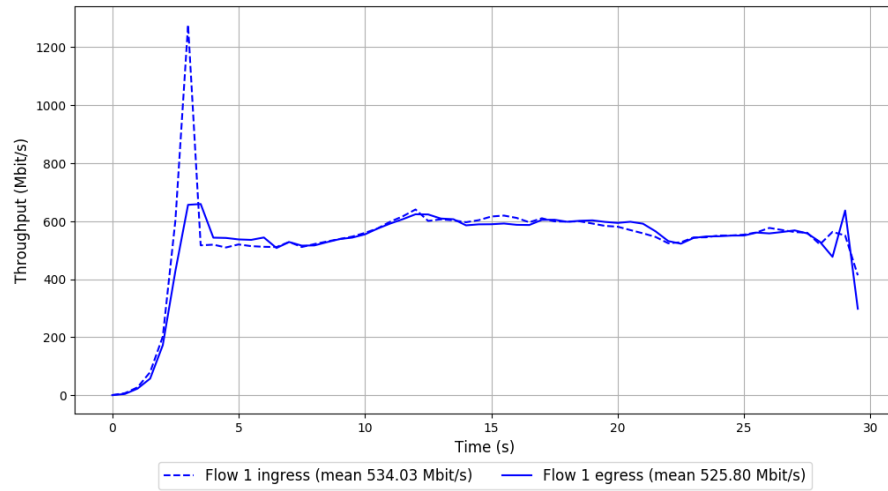
-- Flow 1:

Average throughput: 525.80 Mbit/s

95th percentile per-packet one-way delay: 209.979 ms

Loss rate: 2.28%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2017-09-21 11:07:15

End at: 2017-09-21 11:07:45

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 508.65 Mbit/s

95th percentile per-packet one-way delay: 169.976 ms

Loss rate: 2.06%

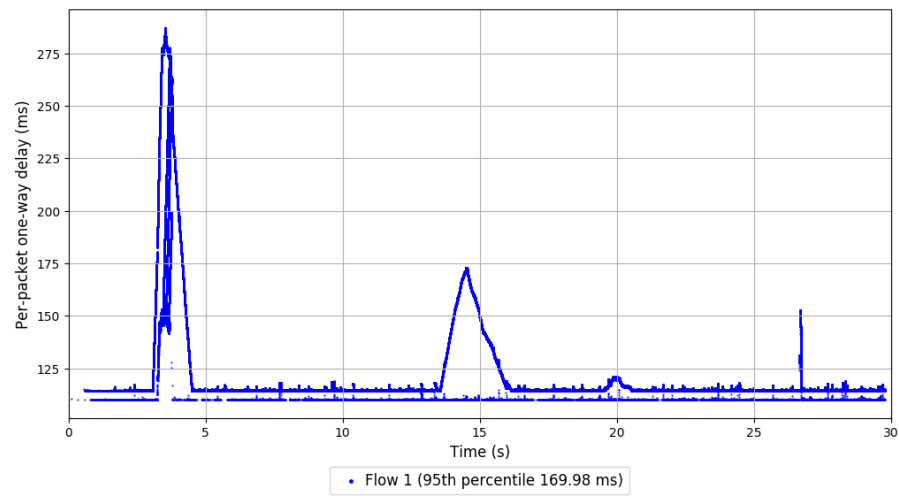
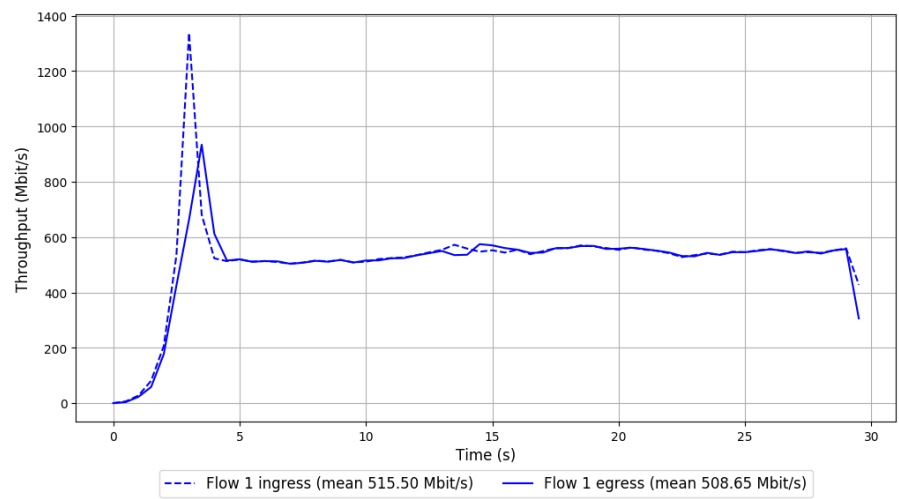
-- Flow 1:

Average throughput: 508.65 Mbit/s

95th percentile per-packet one-way delay: 169.976 ms

Loss rate: 2.06%

Run 10: Report of PCC — Data Link

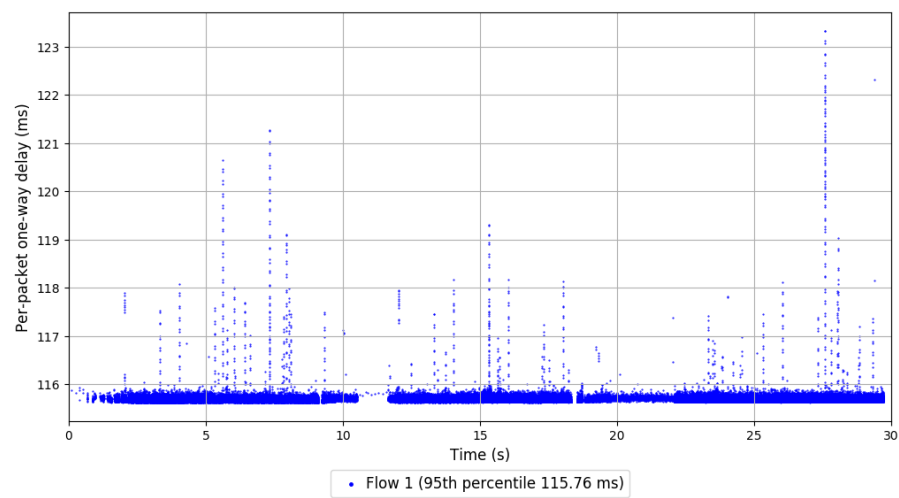
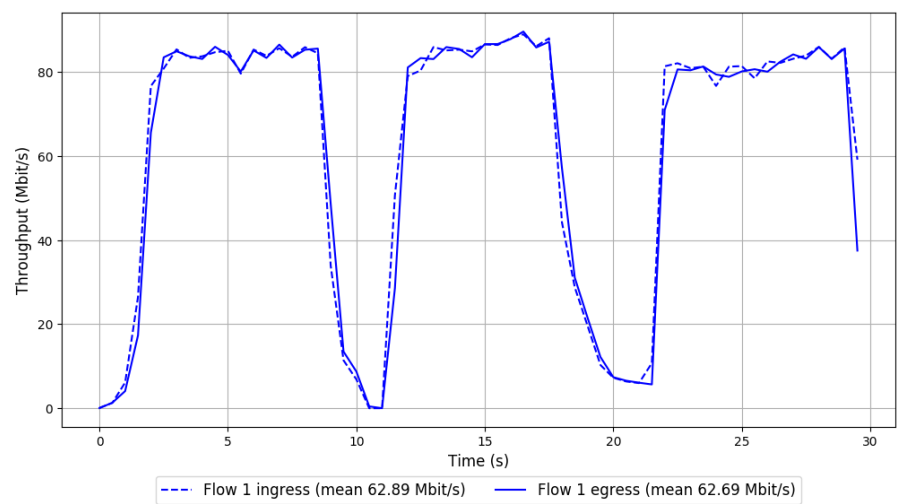


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-09-21 09:23:51
End at: 2017-09-21 09:24:21

# Below is generated by plot.py at 2017-09-21 13:23:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.69 Mbit/s
95th percentile per-packet one-way delay: 115.760 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 62.69 Mbit/s
95th percentile per-packet one-way delay: 115.760 ms
Loss rate: 1.11%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-09-21 09:35:09

End at: 2017-09-21 09:35:39

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.08 Mbit/s

95th percentile per-packet one-way delay: 117.051 ms

Loss rate: 1.16%

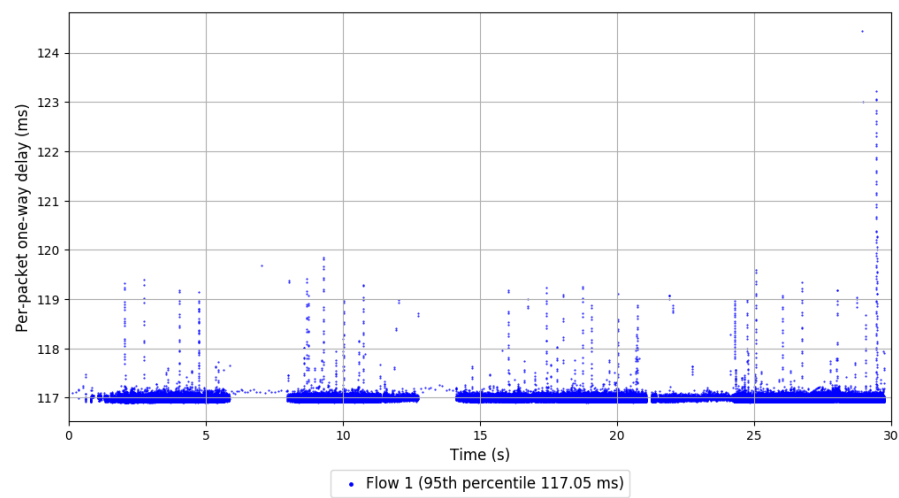
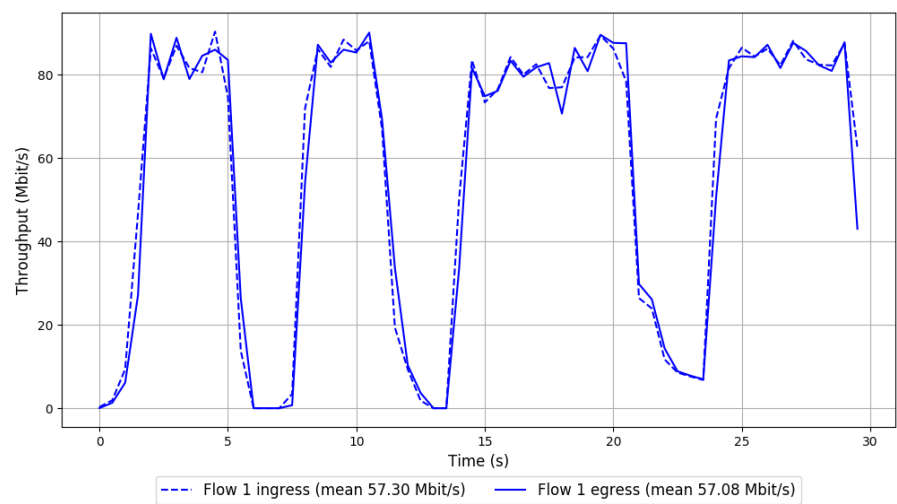
-- Flow 1:

Average throughput: 57.08 Mbit/s

95th percentile per-packet one-way delay: 117.051 ms

Loss rate: 1.16%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-09-21 09:46:13

End at: 2017-09-21 09:46:43

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.10 Mbit/s

95th percentile per-packet one-way delay: 118.067 ms

Loss rate: 1.02%

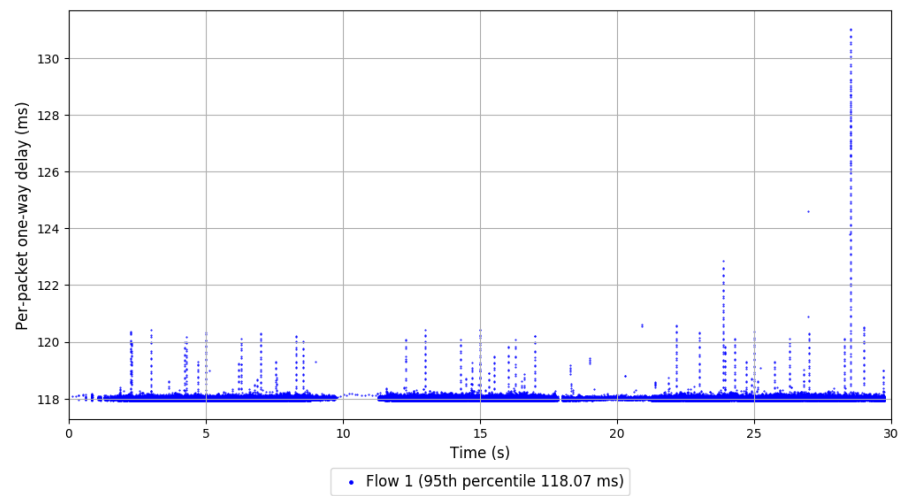
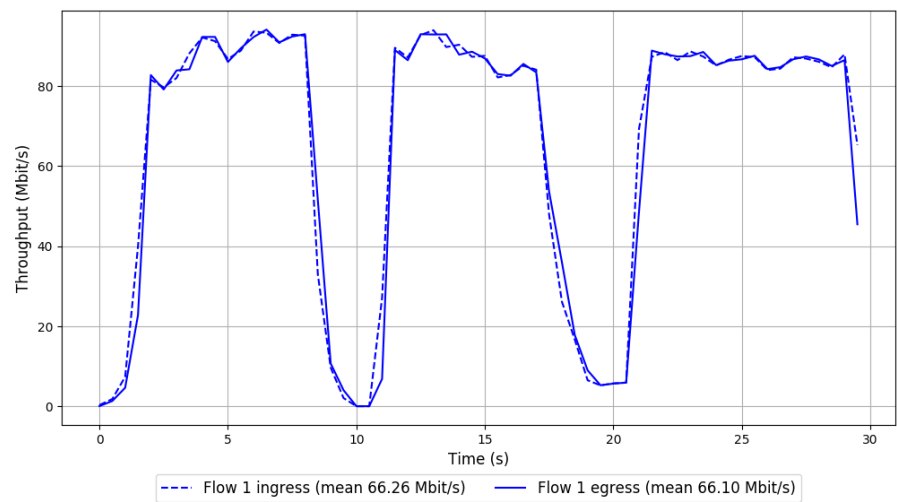
-- Flow 1:

Average throughput: 66.10 Mbit/s

95th percentile per-packet one-way delay: 118.067 ms

Loss rate: 1.02%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2017-09-21 09:57:15

End at: 2017-09-21 09:57:45

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.45 Mbit/s

95th percentile per-packet one-way delay: 117.484 ms

Loss rate: 0.08%

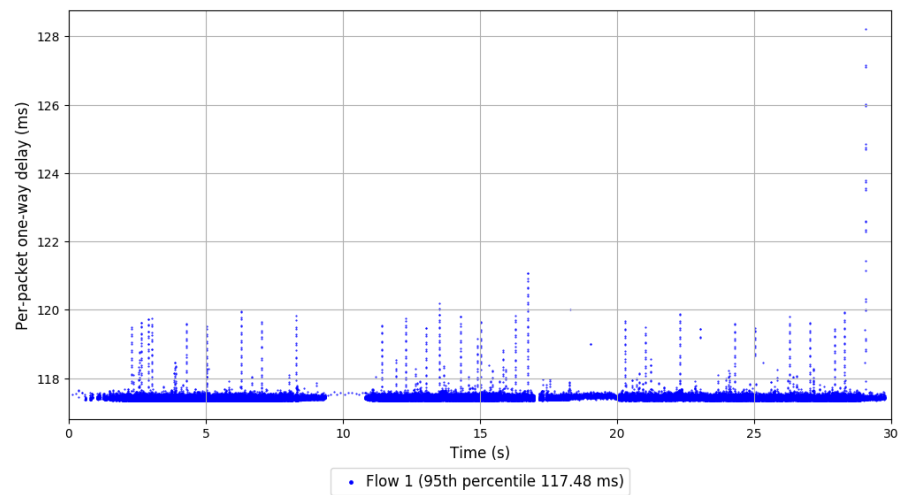
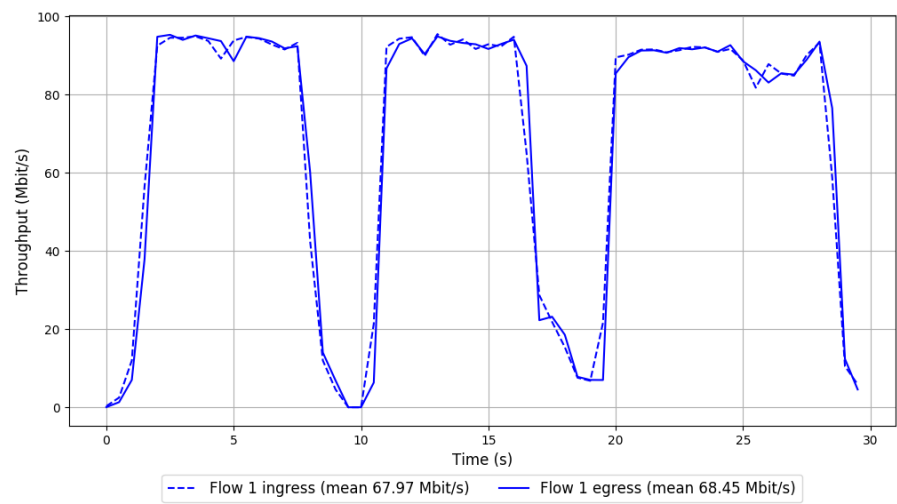
-- Flow 1:

Average throughput: 68.45 Mbit/s

95th percentile per-packet one-way delay: 117.484 ms

Loss rate: 0.08%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-09-21 10:08:31

End at: 2017-09-21 10:09:01

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.27 Mbit/s

95th percentile per-packet one-way delay: 117.593 ms

Loss rate: 1.10%

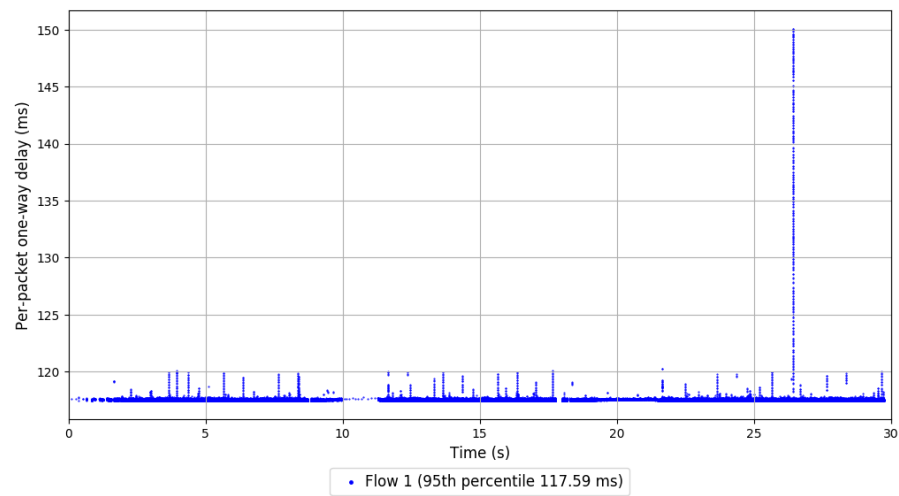
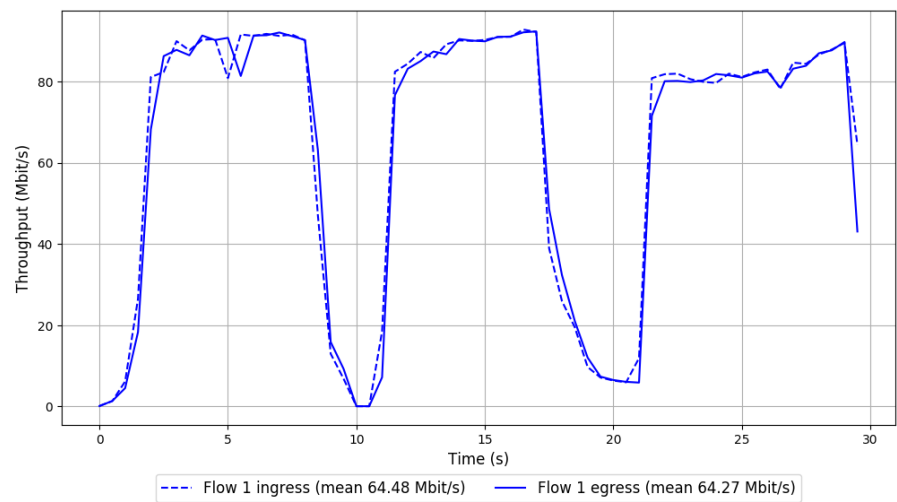
-- Flow 1:

Average throughput: 64.27 Mbit/s

95th percentile per-packet one-way delay: 117.593 ms

Loss rate: 1.10%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2017-09-21 10:19:26

End at: 2017-09-21 10:19:56

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.58 Mbit/s

95th percentile per-packet one-way delay: 117.690 ms

Loss rate: 1.01%

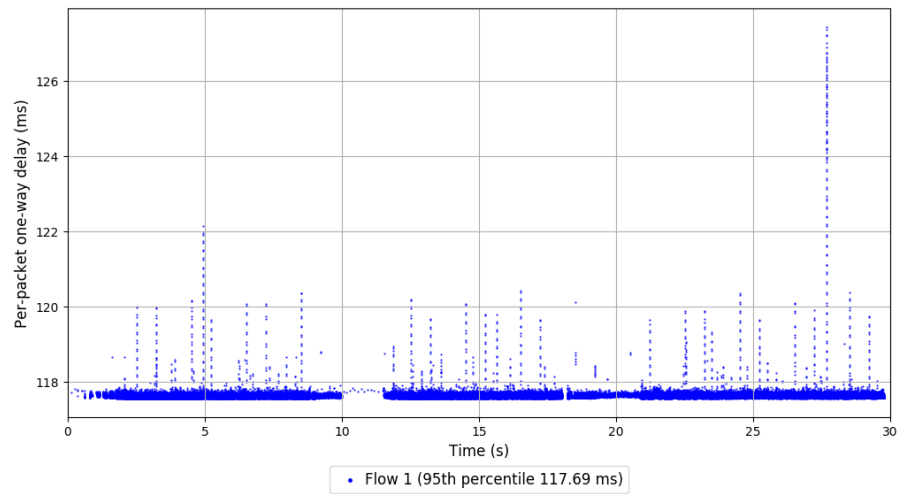
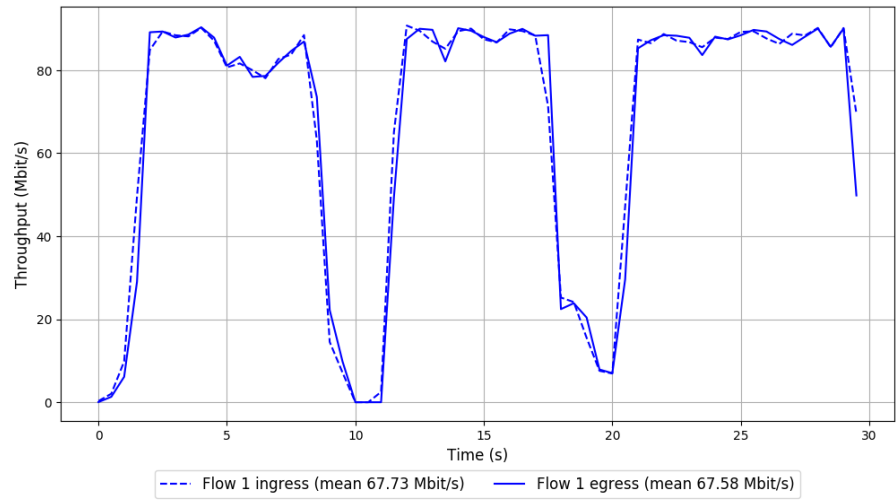
-- Flow 1:

Average throughput: 67.58 Mbit/s

95th percentile per-packet one-way delay: 117.690 ms

Loss rate: 1.01%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-09-21 10:30:38

End at: 2017-09-21 10:31:08

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.46 Mbit/s

95th percentile per-packet one-way delay: 116.625 ms

Loss rate: 1.06%

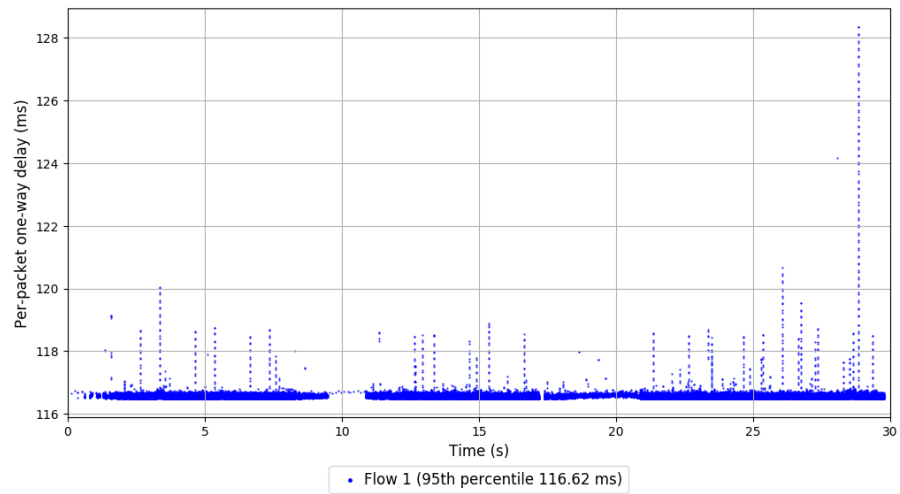
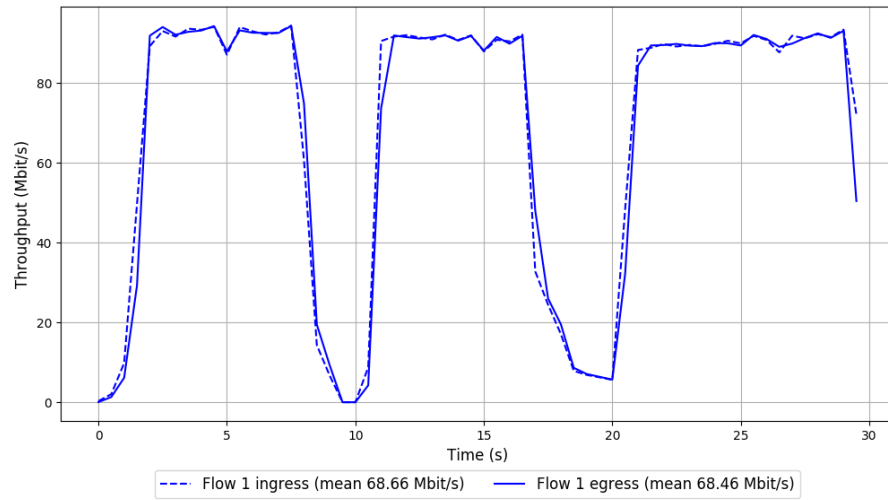
-- Flow 1:

Average throughput: 68.46 Mbit/s

95th percentile per-packet one-way delay: 116.625 ms

Loss rate: 1.06%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-09-21 10:41:50

End at: 2017-09-21 10:42:20

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.66 Mbit/s

95th percentile per-packet one-way delay: 117.724 ms

Loss rate: 0.99%

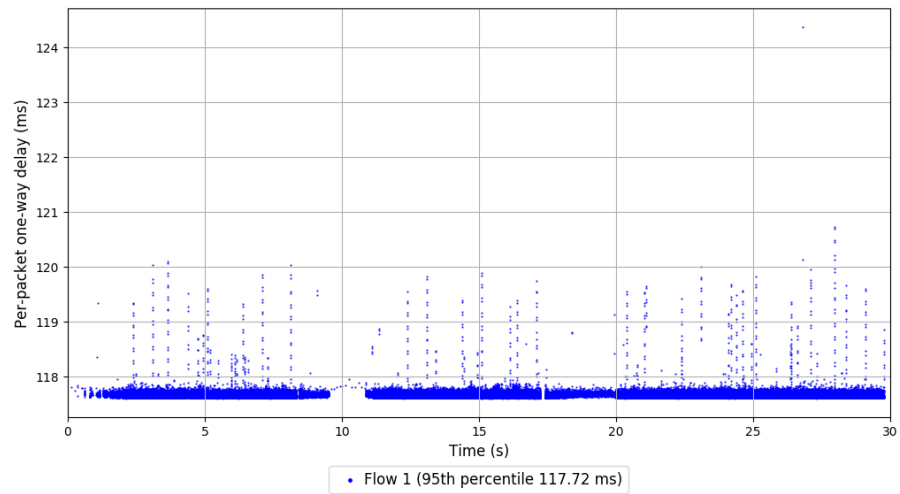
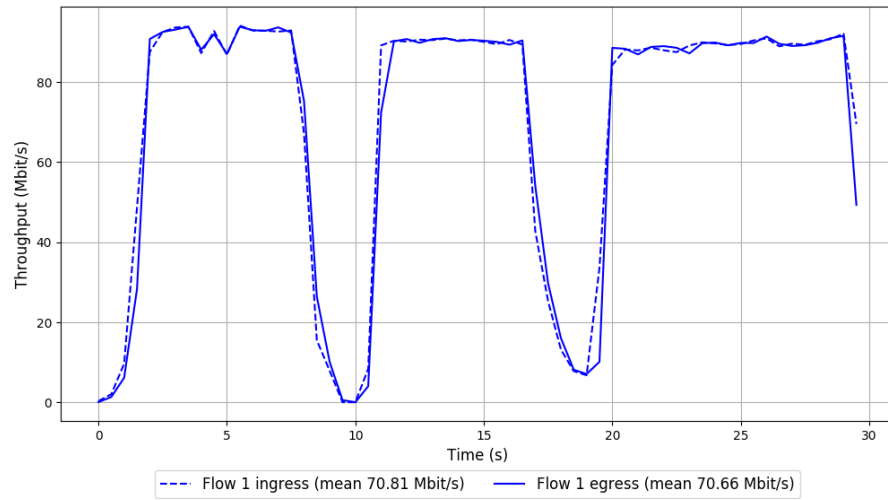
-- Flow 1:

Average throughput: 70.66 Mbit/s

95th percentile per-packet one-way delay: 117.724 ms

Loss rate: 0.99%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-09-21 10:53:04

End at: 2017-09-21 10:53:34

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.28 Mbit/s

95th percentile per-packet one-way delay: 116.648 ms

Loss rate: 1.02%

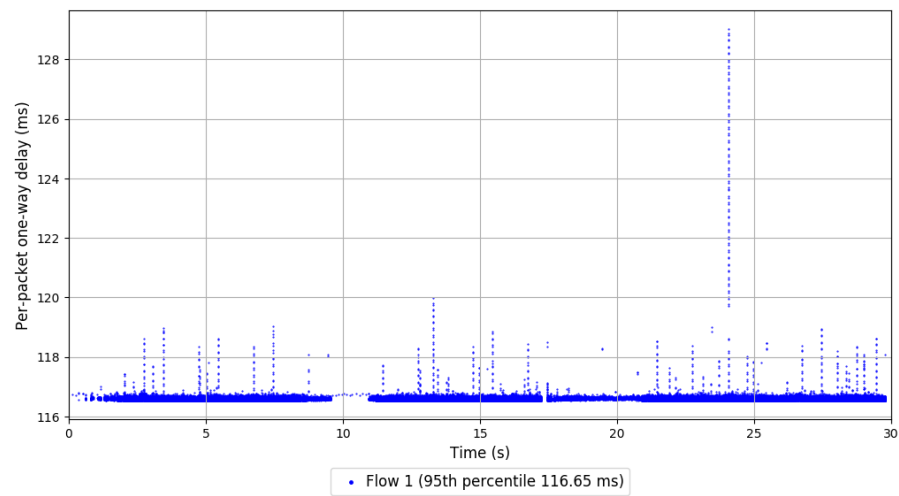
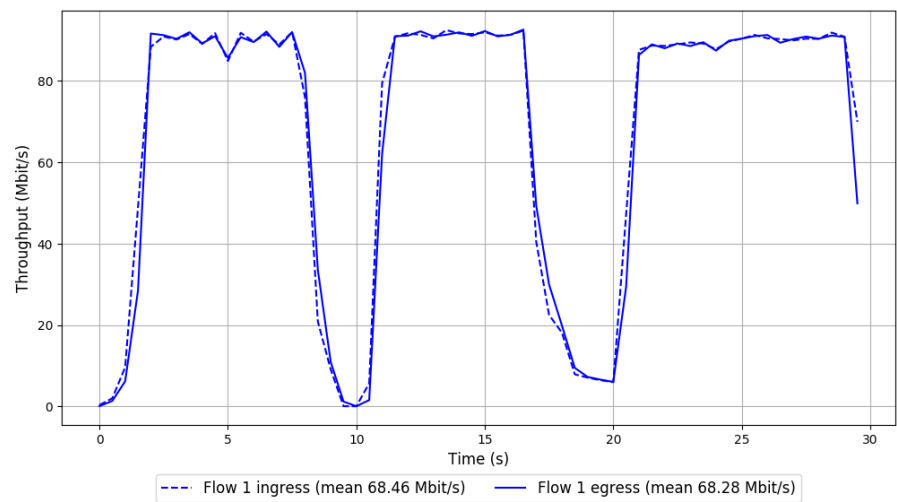
-- Flow 1:

Average throughput: 68.28 Mbit/s

95th percentile per-packet one-way delay: 116.648 ms

Loss rate: 1.02%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-09-21 11:03:58

End at: 2017-09-21 11:04:28

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.78 Mbit/s

95th percentile per-packet one-way delay: 117.740 ms

Loss rate: 1.03%

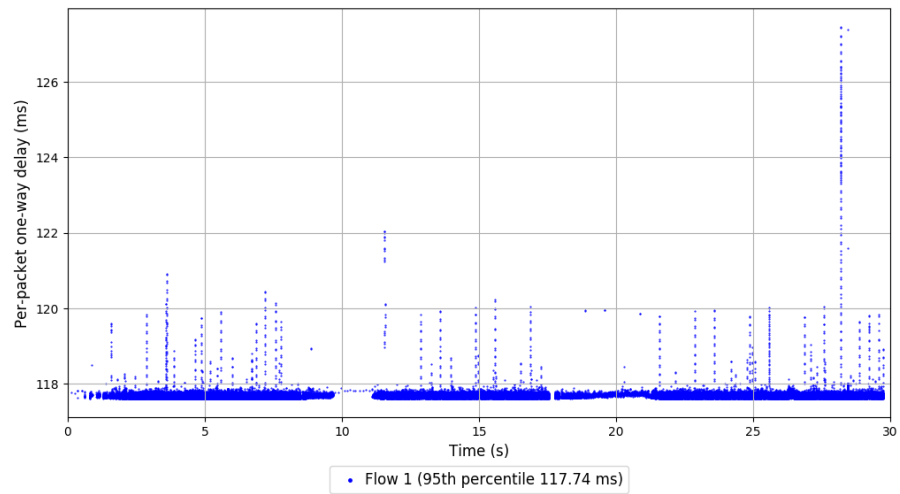
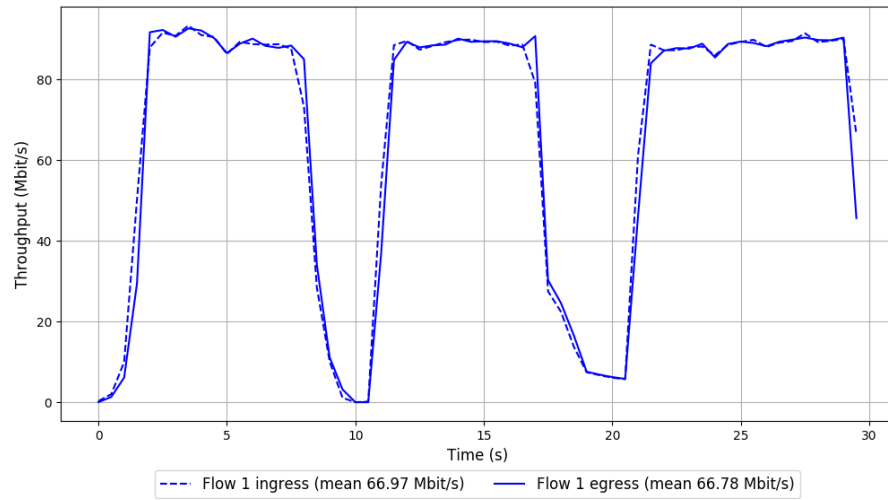
-- Flow 1:

Average throughput: 66.78 Mbit/s

95th percentile per-packet one-way delay: 117.740 ms

Loss rate: 1.03%

Run 10: Report of QUIC Cubic — Data Link

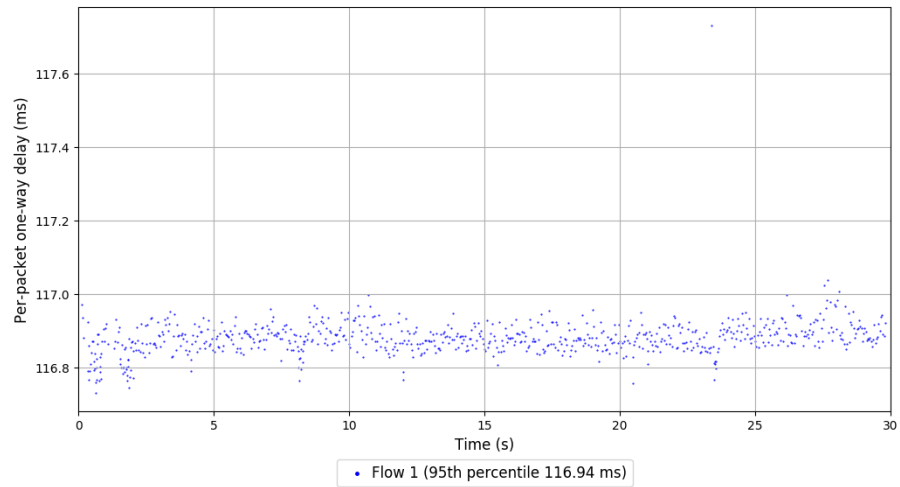
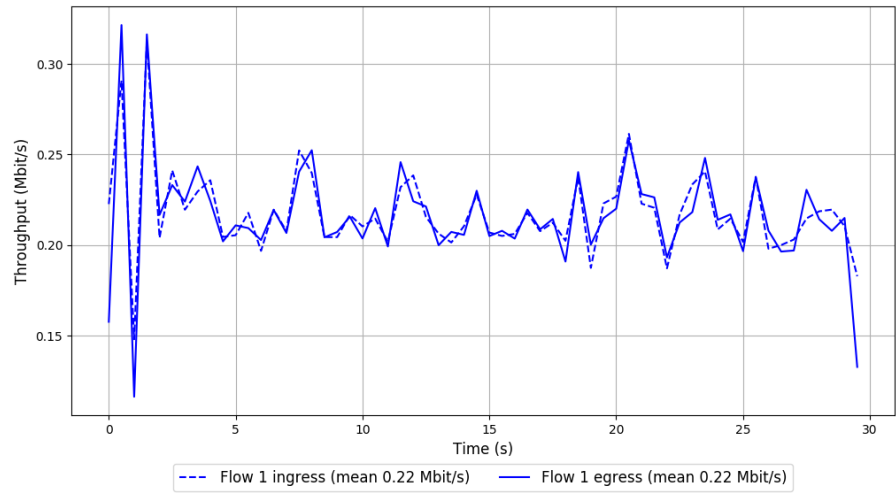


```
Run 1: Statistics of SCReAM

Start at: 2017-09-21 09:20:26
End at: 2017-09-21 09:20:56

# Below is generated by plot.py at 2017-09-21 13:23:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 116.943 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 116.943 ms
Loss rate: 0.76%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2017-09-21 09:31:45

End at: 2017-09-21 09:32:15

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 115.998 ms

Loss rate: 0.76%

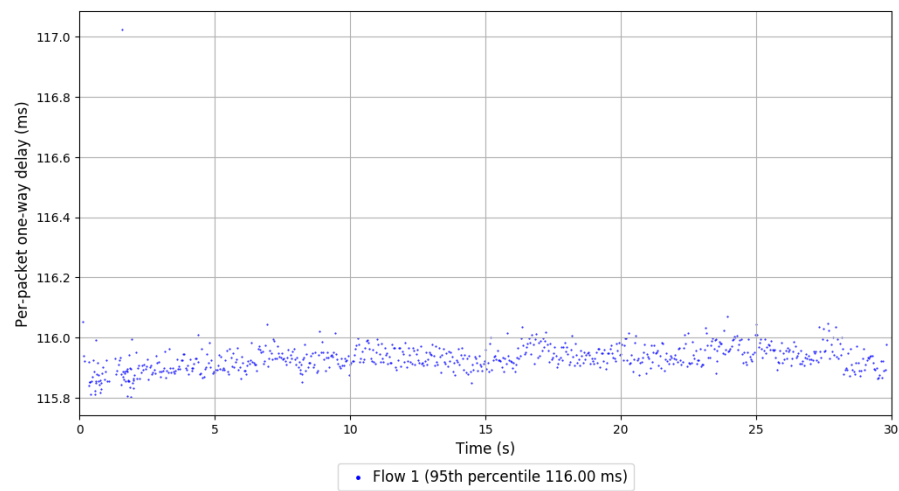
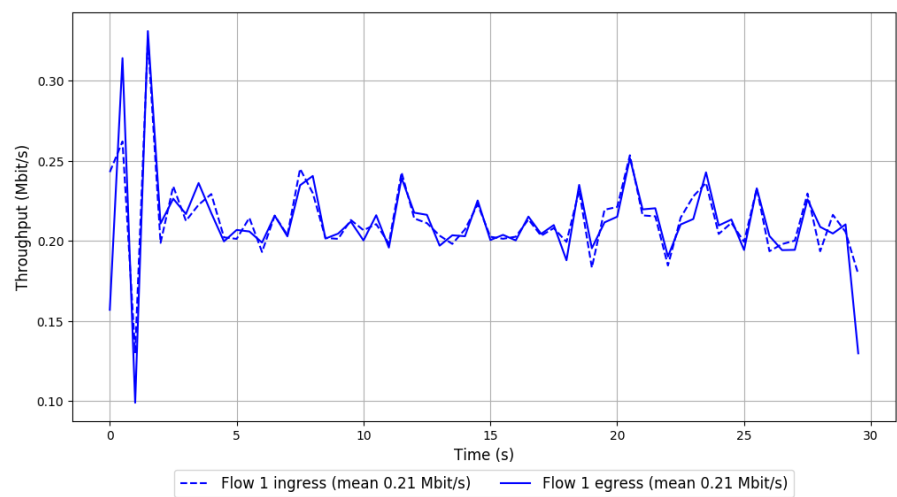
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 115.998 ms

Loss rate: 0.76%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2017-09-21 09:43:08

End at: 2017-09-21 09:43:38

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.485 ms

Loss rate: 0.76%

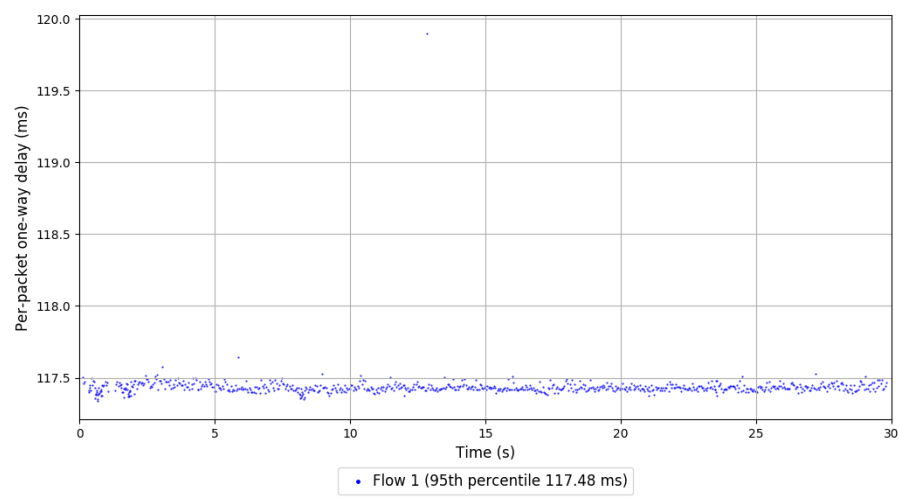
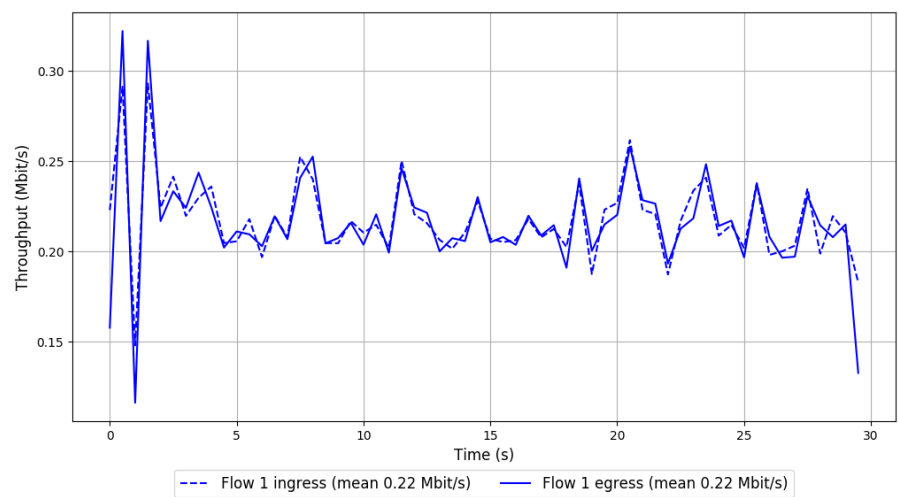
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.485 ms

Loss rate: 0.76%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2017-09-21 09:54:11

End at: 2017-09-21 09:54:41

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.463 ms

Loss rate: 0.76%

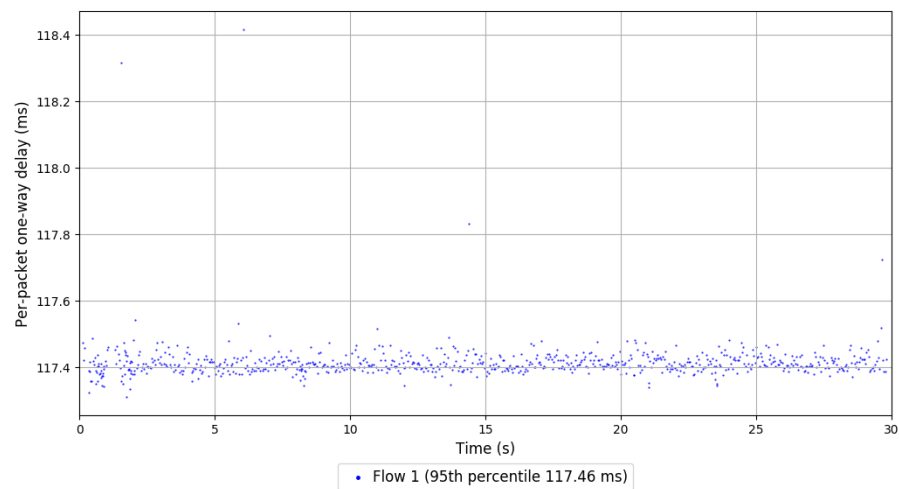
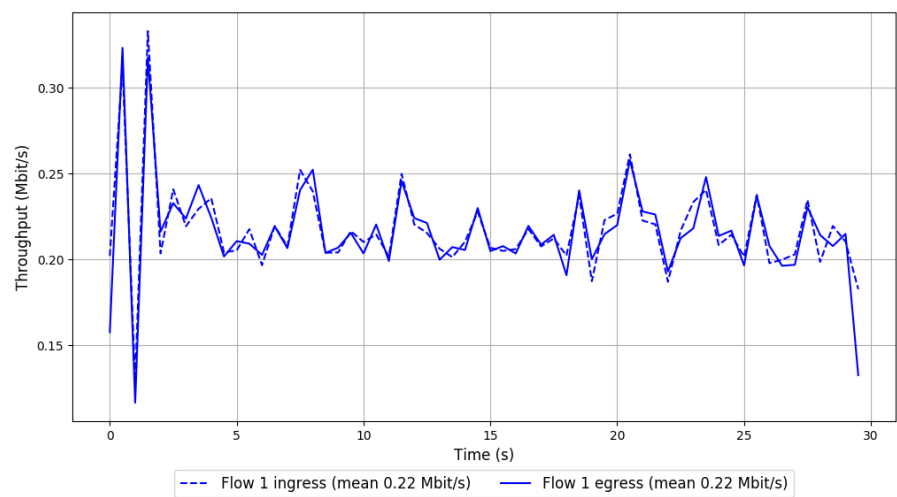
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.463 ms

Loss rate: 0.76%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2017-09-21 10:05:07

End at: 2017-09-21 10:05:37

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.797 ms

Loss rate: 0.76%

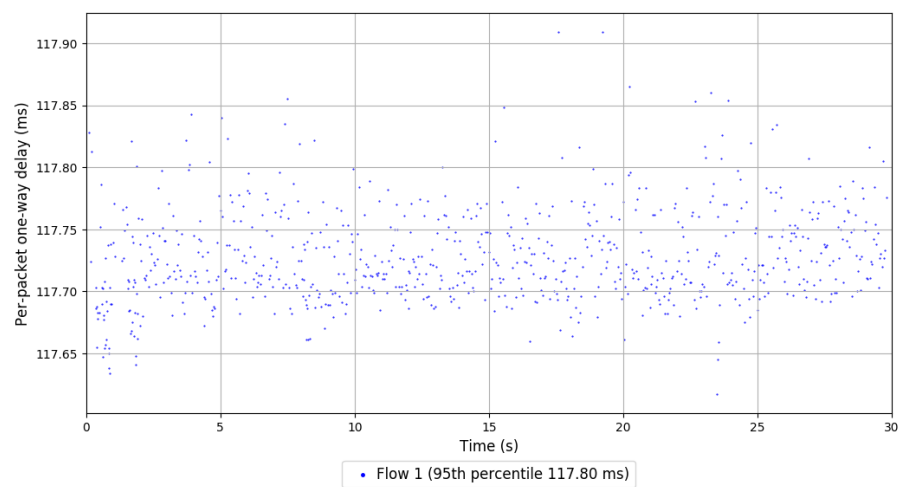
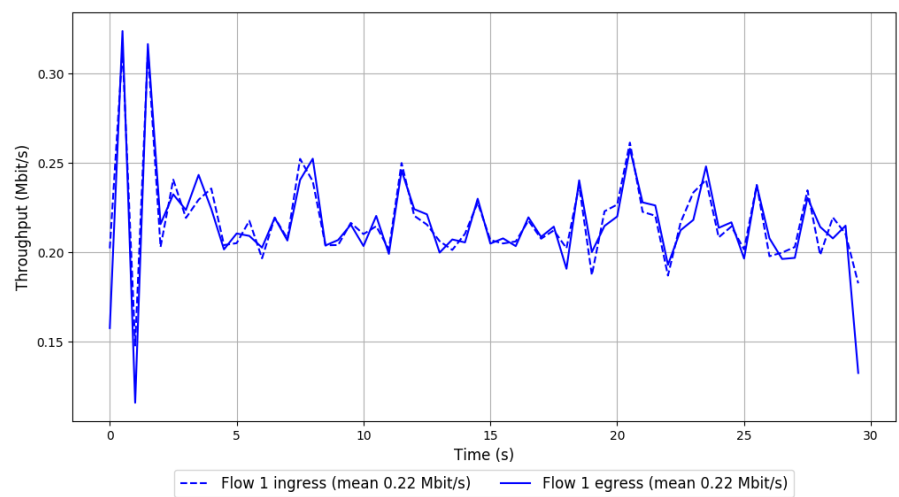
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.797 ms

Loss rate: 0.76%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2017-09-21 10:16:23

End at: 2017-09-21 10:16:53

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 118.584 ms

Loss rate: 0.76%

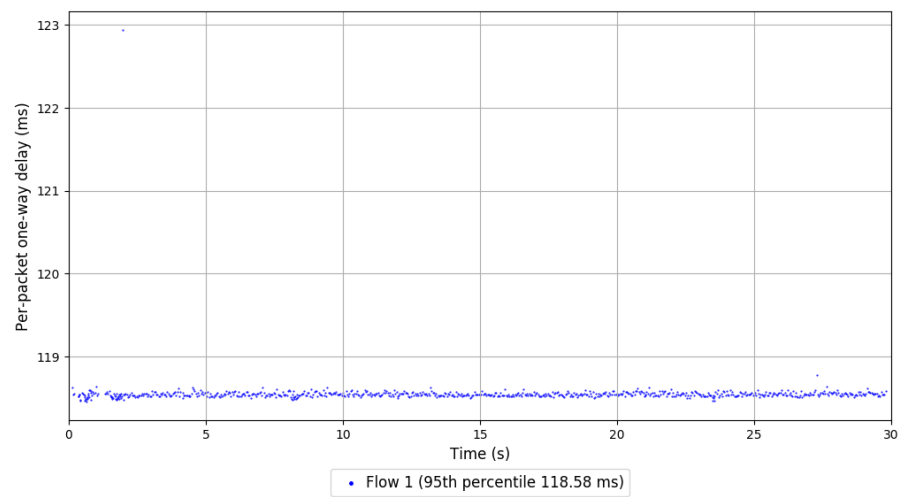
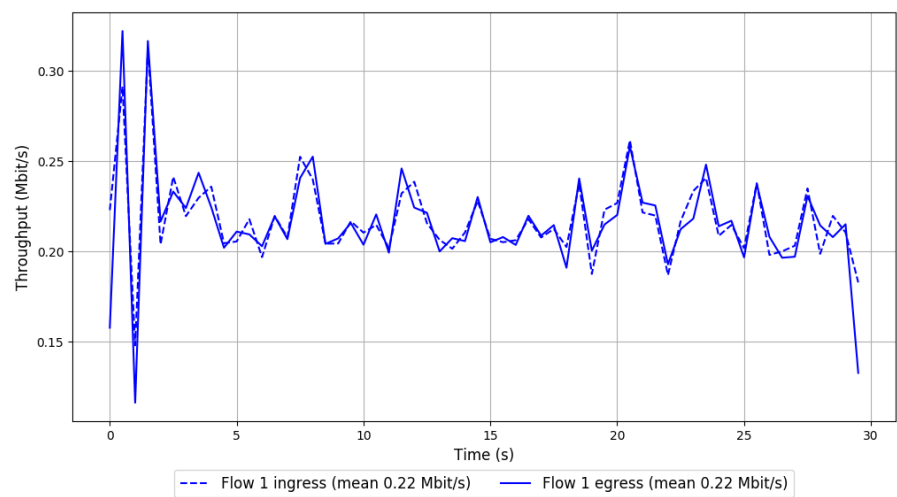
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 118.584 ms

Loss rate: 0.76%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2017-09-21 10:27:14

End at: 2017-09-21 10:27:44

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.451 ms

Loss rate: 0.76%

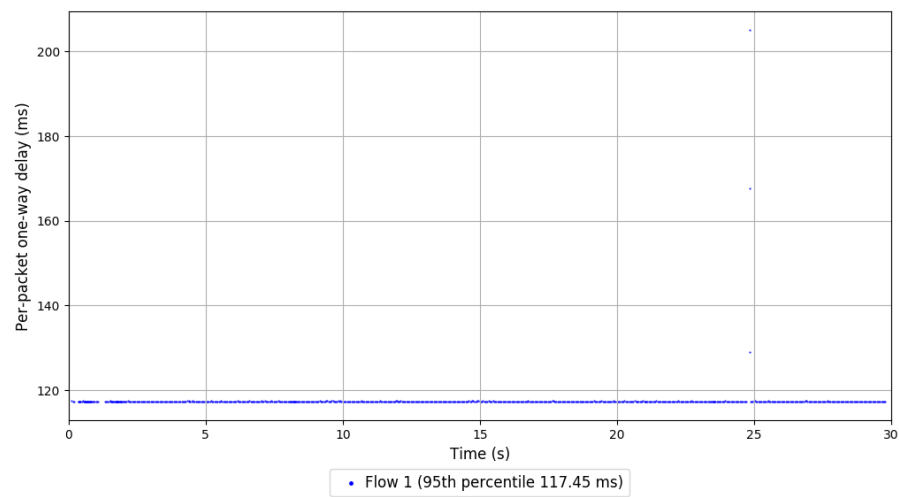
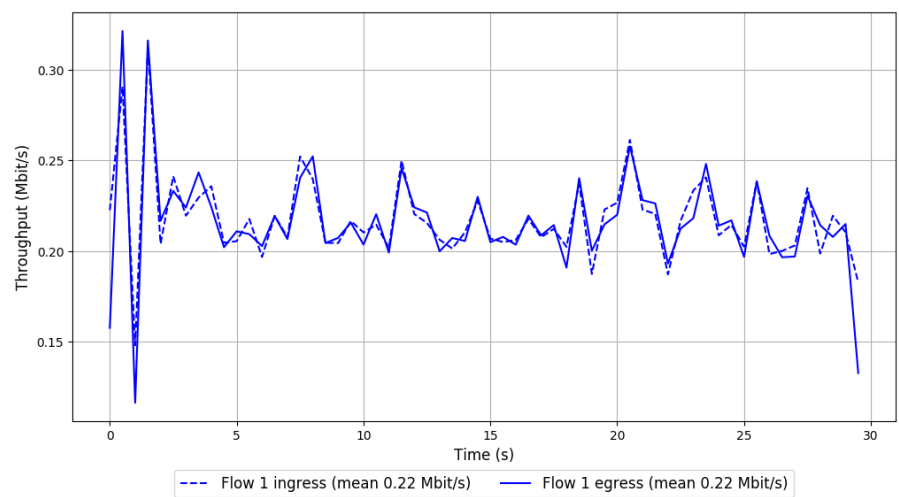
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.451 ms

Loss rate: 0.76%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2017-09-21 10:38:30

End at: 2017-09-21 10:39:00

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.835 ms

Loss rate: 0.76%

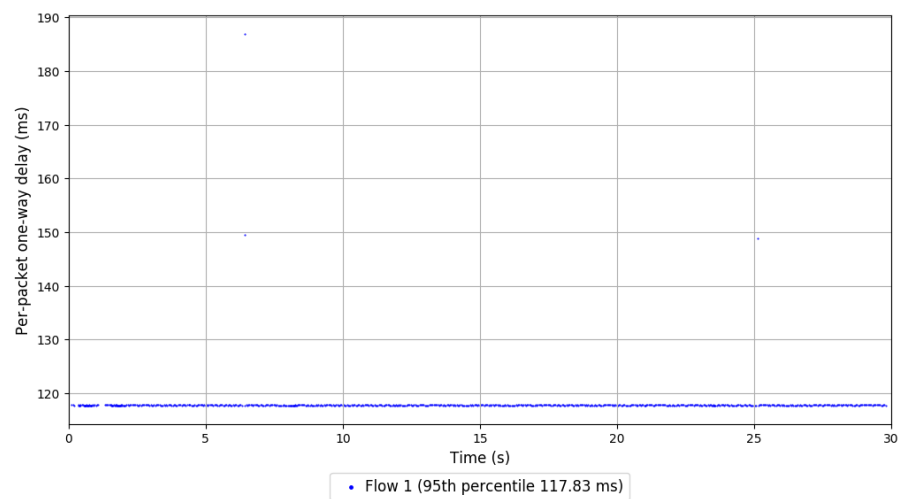
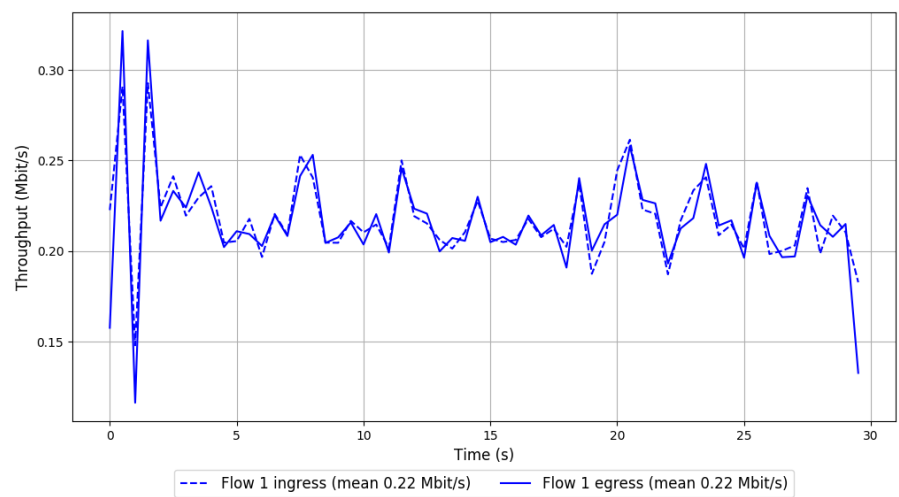
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.835 ms

Loss rate: 0.76%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2017-09-21 10:49:42

End at: 2017-09-21 10:50:12

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 118.270 ms

Loss rate: 0.76%

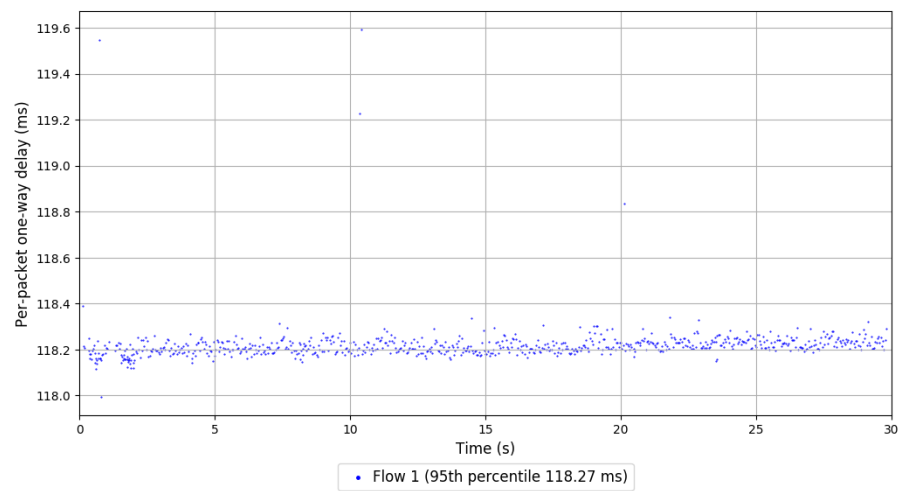
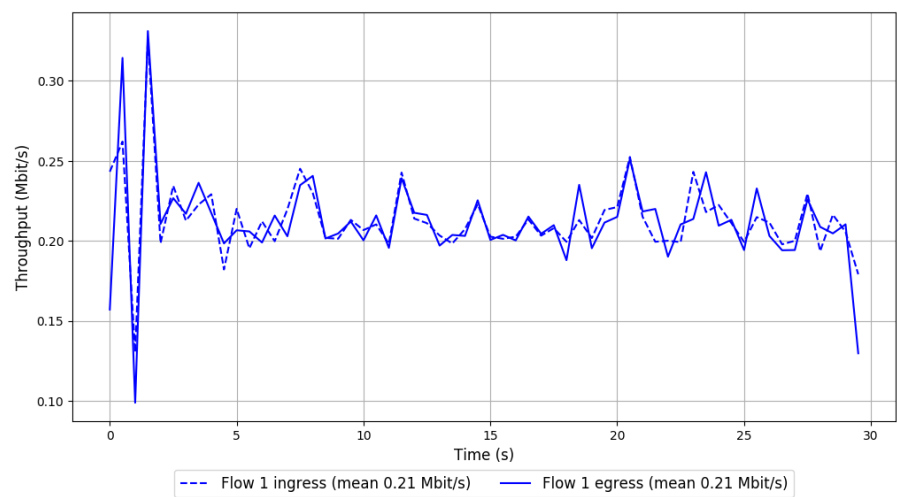
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 118.270 ms

Loss rate: 0.76%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2017-09-21 11:00:55

End at: 2017-09-21 11:01:26

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.977 ms

Loss rate: 0.76%

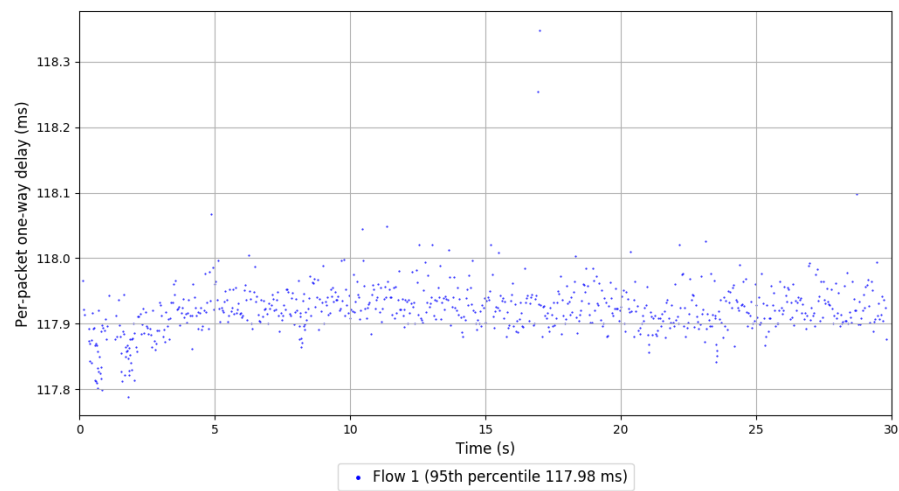
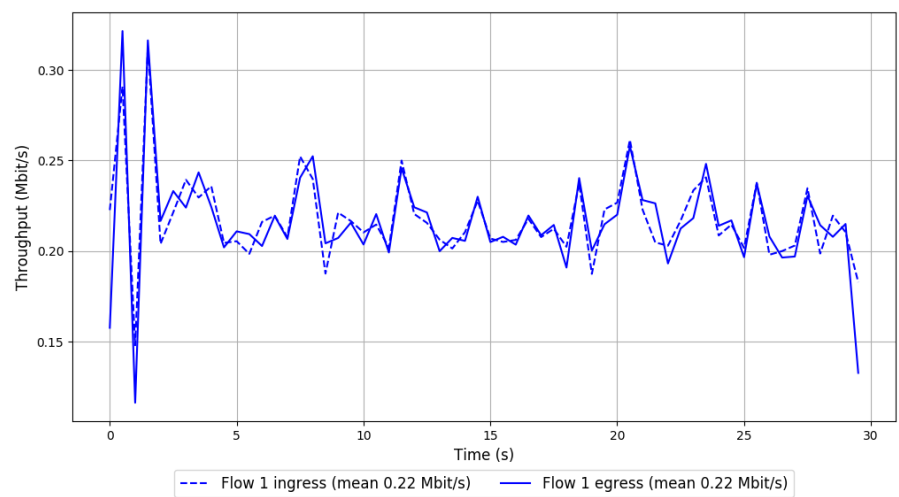
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.977 ms

Loss rate: 0.76%

Run 10: Report of SCRaM — Data Link

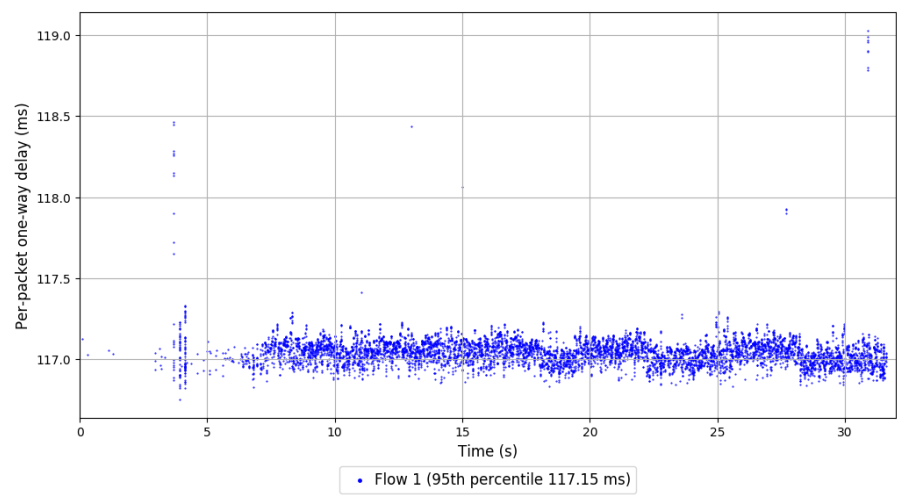
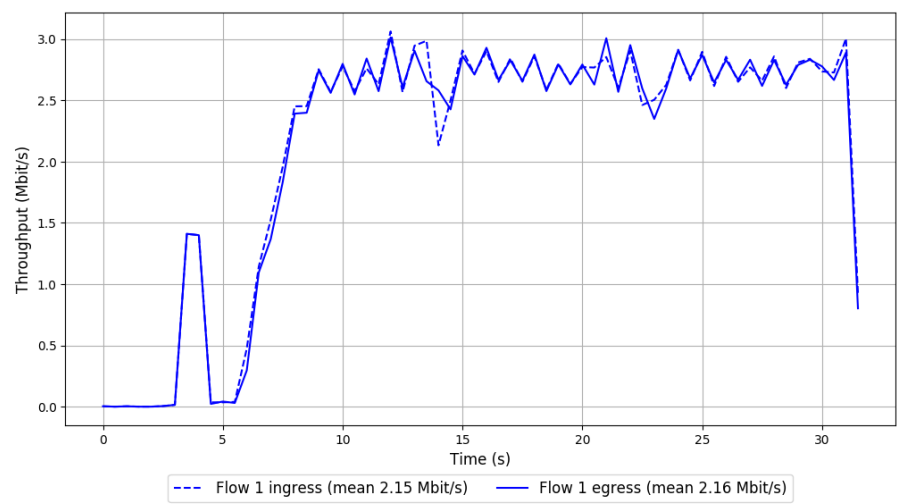


```
Run 1: Statistics of WebRTC media

Start at: 2017-09-21 09:28:10
End at: 2017-09-21 09:28:40

# Below is generated by plot.py at 2017-09-21 13:23:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 117.152 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 117.152 ms
Loss rate: 0.68%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2017-09-21 09:39:33

End at: 2017-09-21 09:40:03

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 116.248 ms

Loss rate: 0.70%

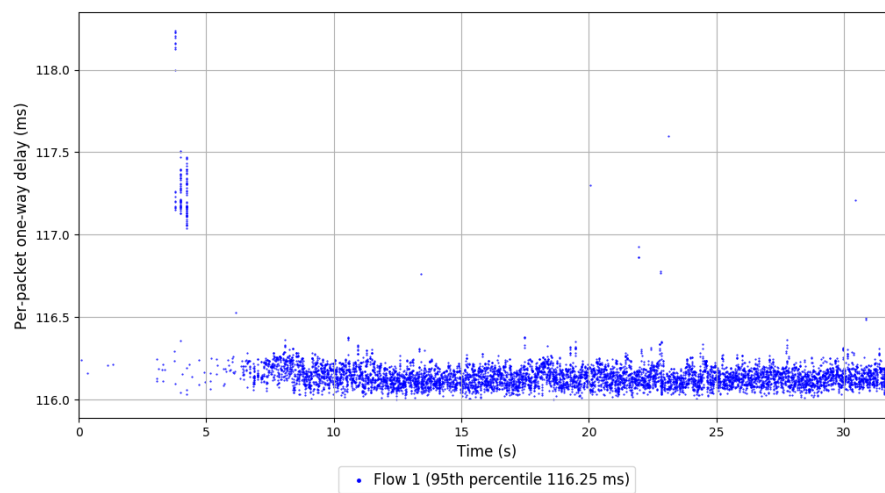
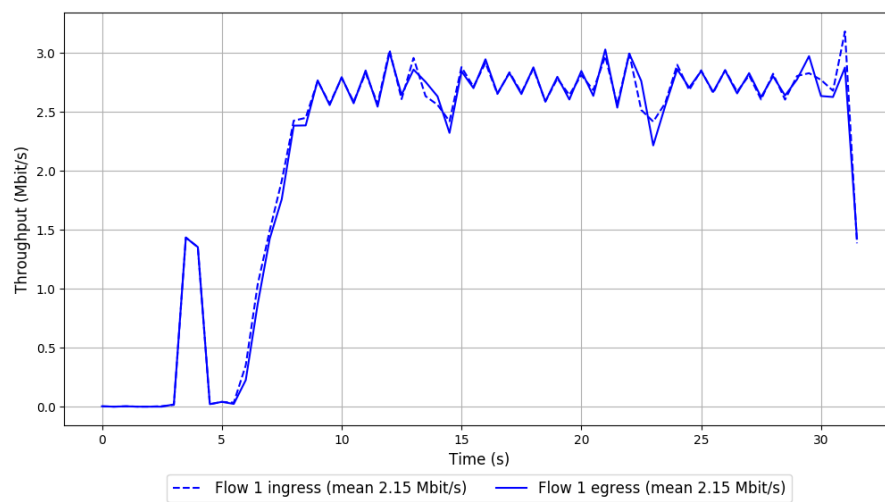
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 116.248 ms

Loss rate: 0.70%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-09-21 09:50:32

End at: 2017-09-21 09:51:02

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 118.526 ms

Loss rate: 0.82%

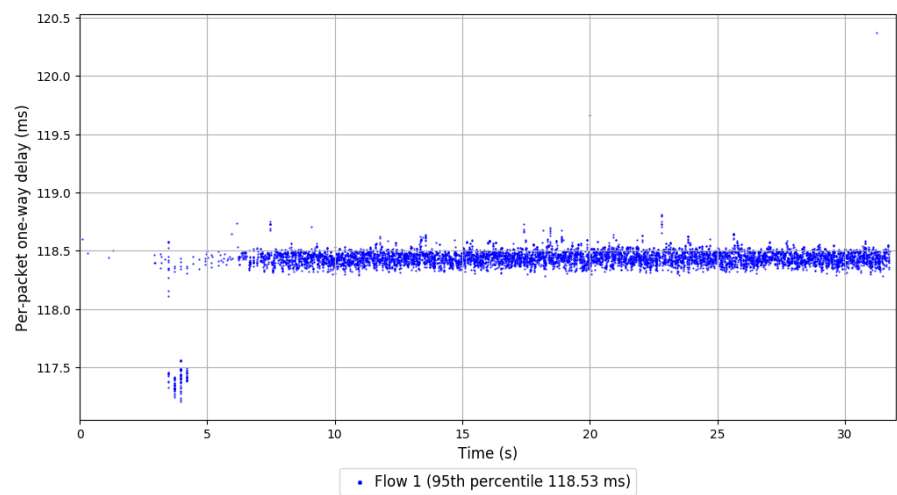
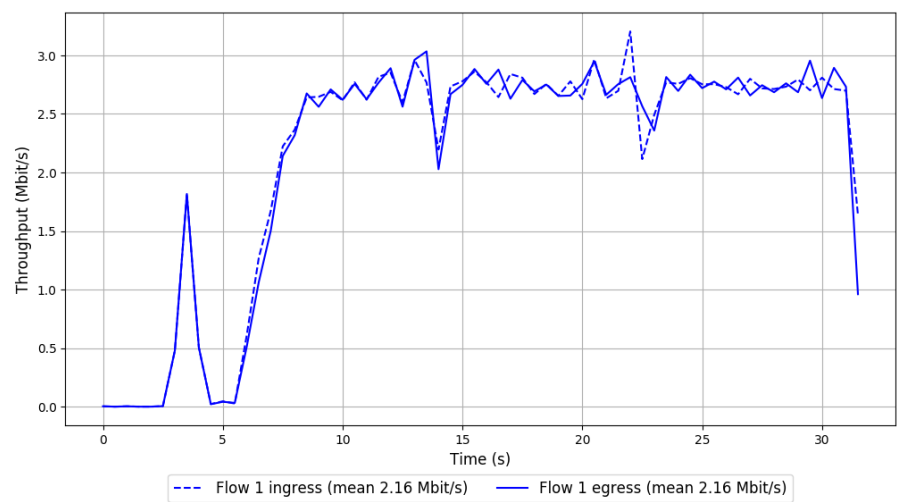
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 118.526 ms

Loss rate: 0.82%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2017-09-21 10:01:34

End at: 2017-09-21 10:02:04

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 118.365 ms

Loss rate: 0.79%

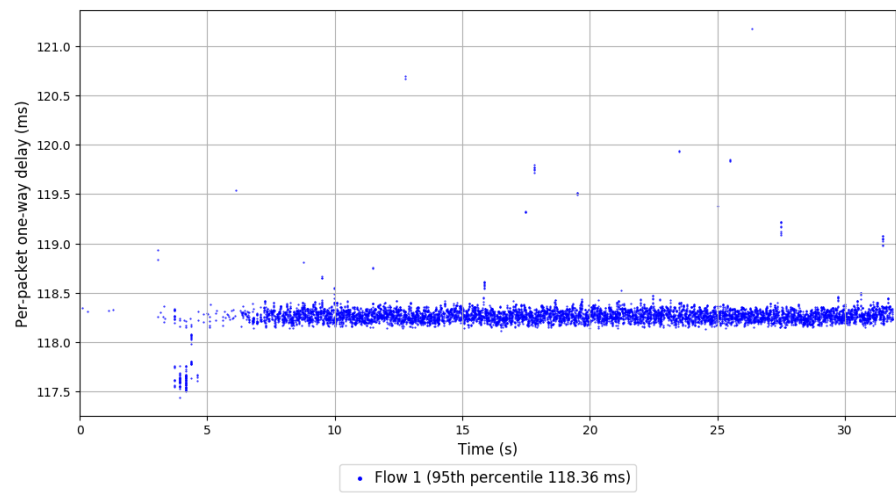
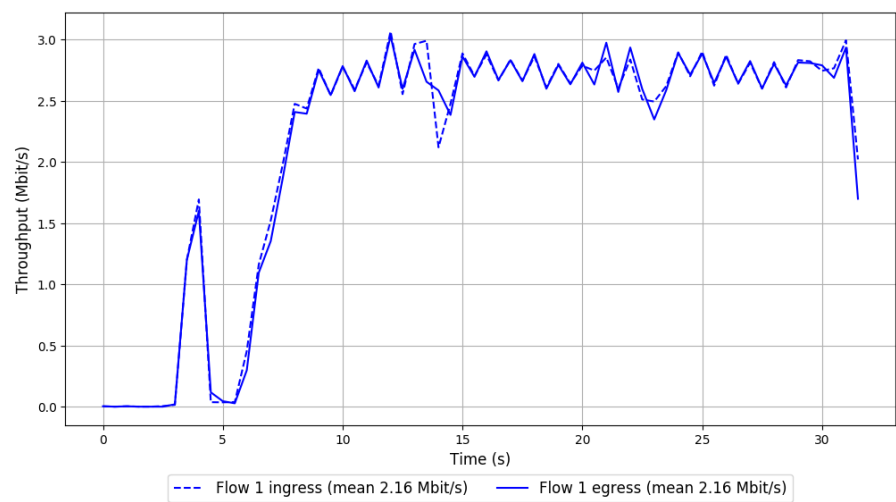
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 118.365 ms

Loss rate: 0.79%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-09-21 10:12:50

End at: 2017-09-21 10:13:20

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 117.722 ms

Loss rate: 0.77%

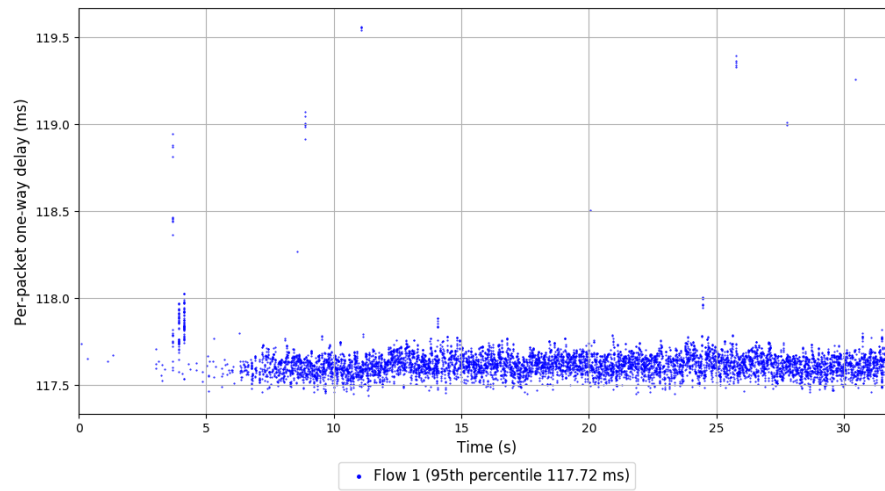
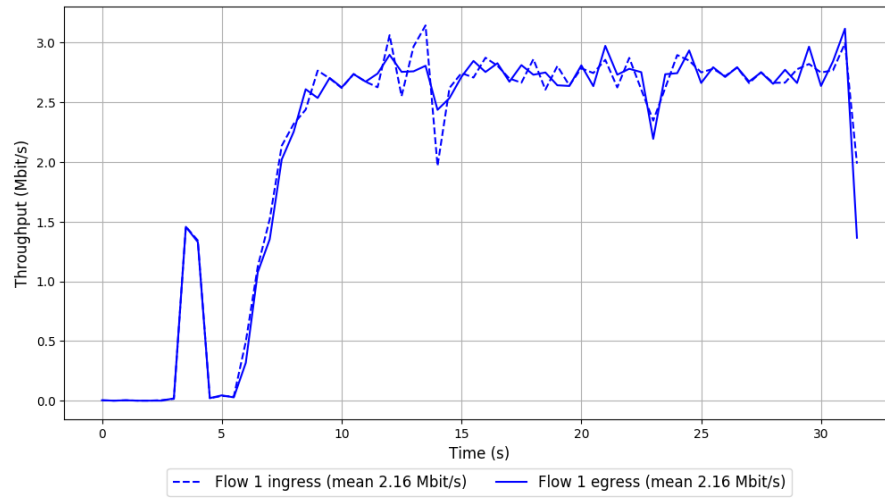
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 117.722 ms

Loss rate: 0.77%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-09-21 10:23:43

End at: 2017-09-21 10:24:13

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 118.281 ms

Loss rate: 0.76%

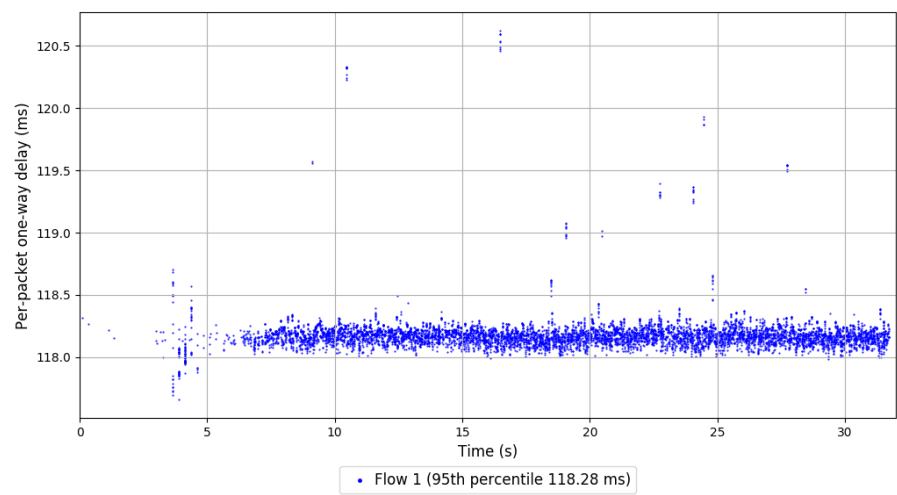
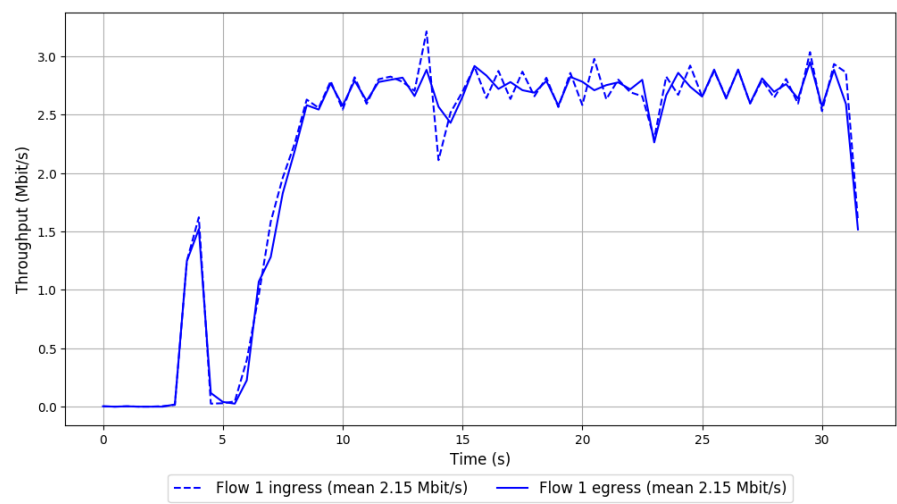
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 118.281 ms

Loss rate: 0.76%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2017-09-21 10:34:54

End at: 2017-09-21 10:35:24

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 117.491 ms

Loss rate: 0.74%

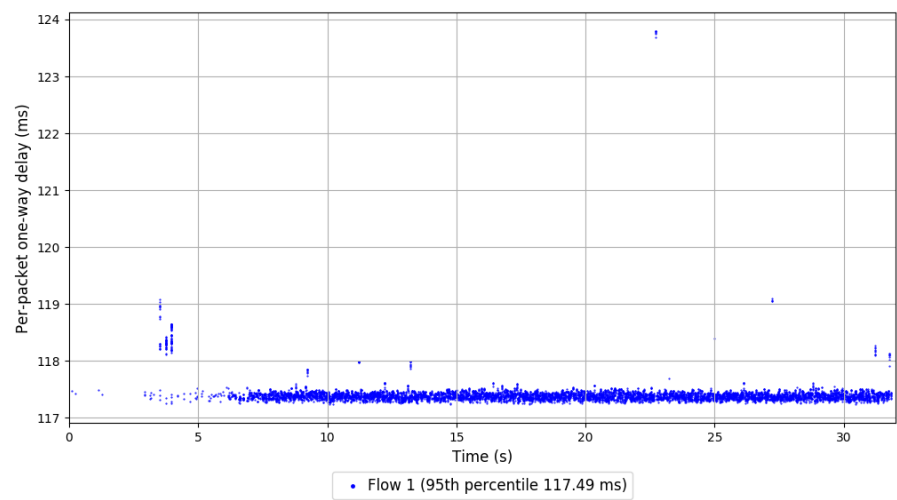
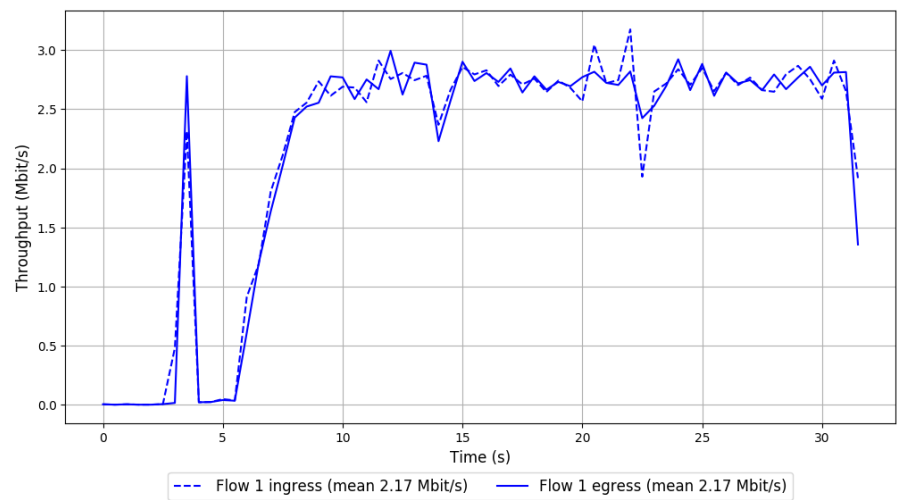
-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 117.491 ms

Loss rate: 0.74%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-09-21 10:46:07

End at: 2017-09-21 10:46:37

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 116.800 ms

Loss rate: 0.77%

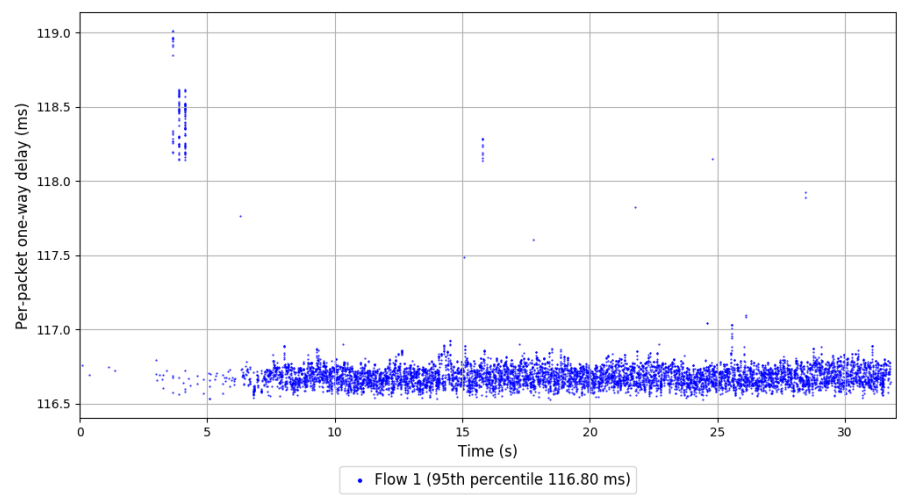
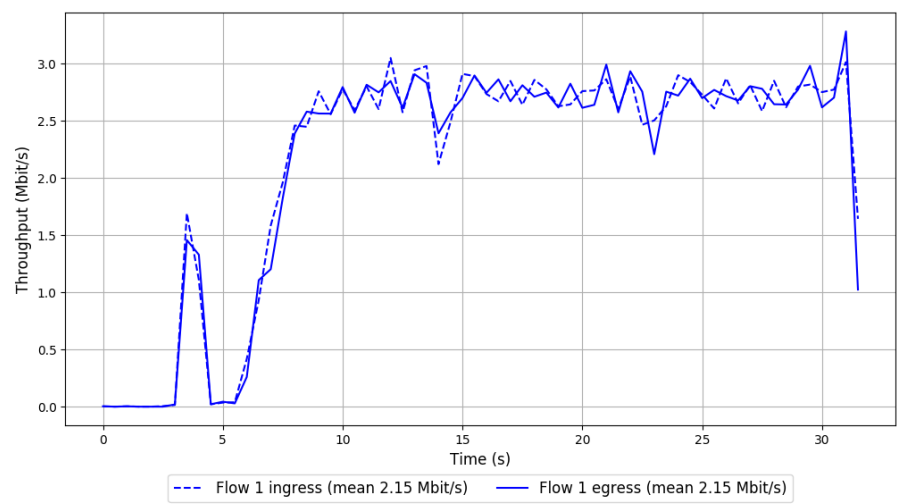
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 116.800 ms

Loss rate: 0.77%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2017-09-21 10:57:23

End at: 2017-09-21 10:57:53

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 114.007 ms

Loss rate: 0.66%

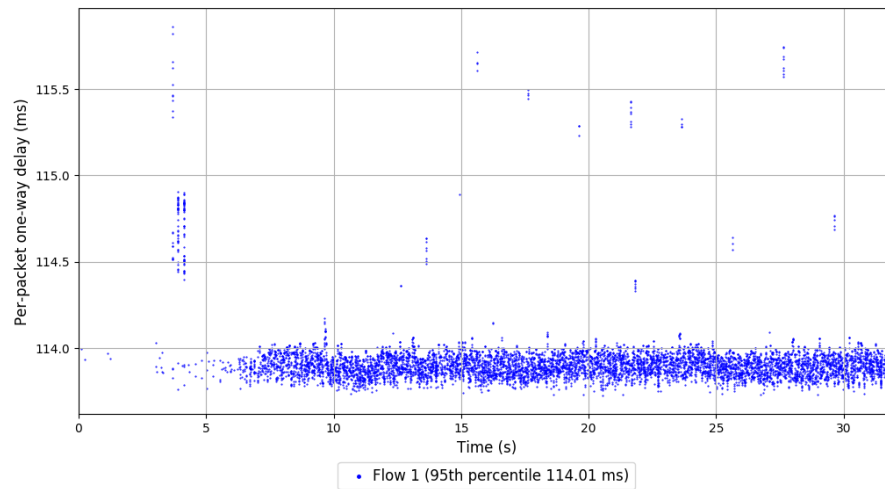
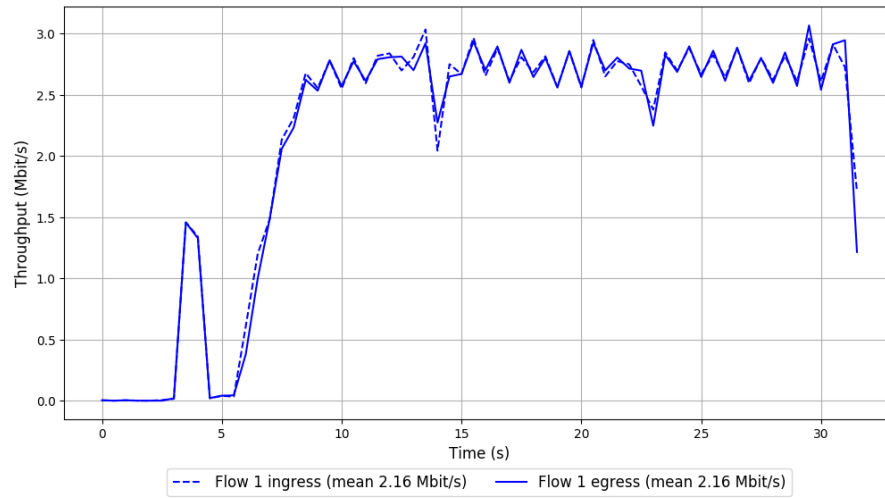
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 114.007 ms

Loss rate: 0.66%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

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

End at: 2017-09-21 11:08:47

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 109.861 ms

Loss rate: 0.80%

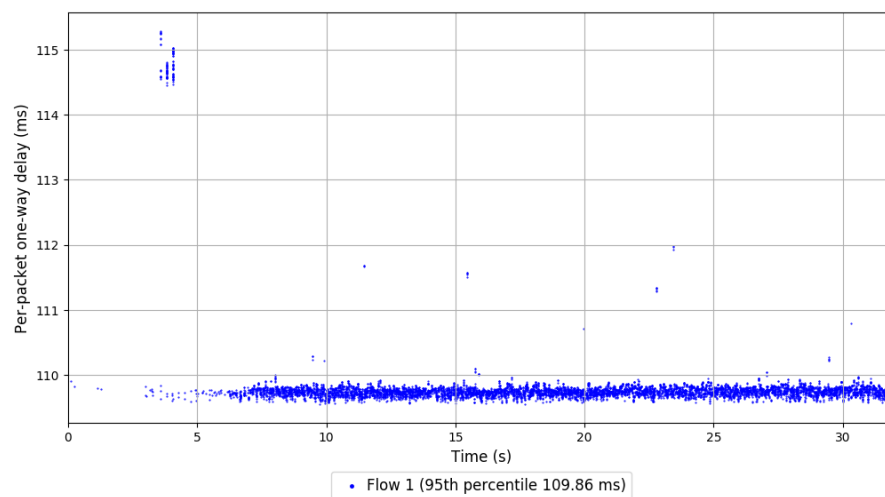
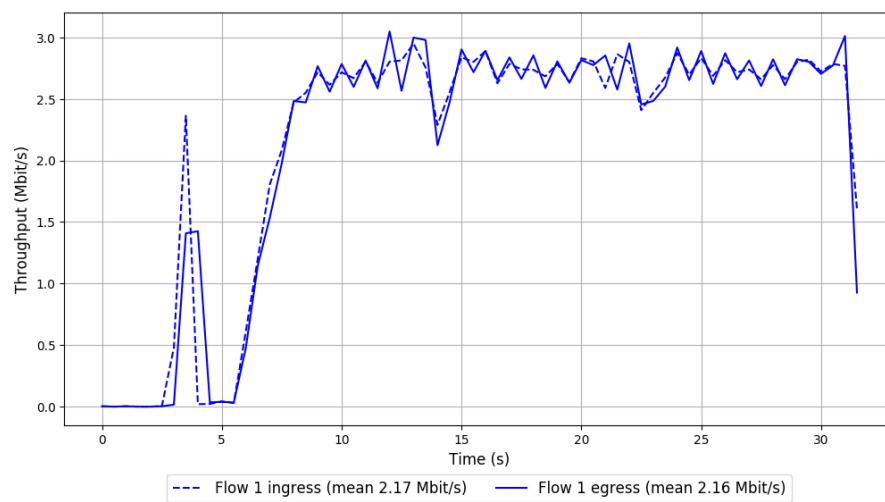
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 109.861 ms

Loss rate: 0.80%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2017-09-21 09:19:45

End at: 2017-09-21 09:20:15

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 118.033 ms

Loss rate: 1.26%

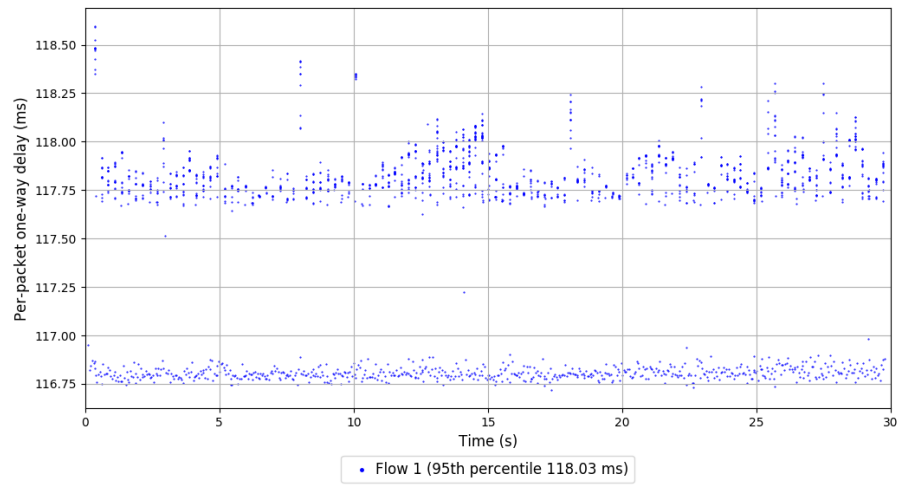
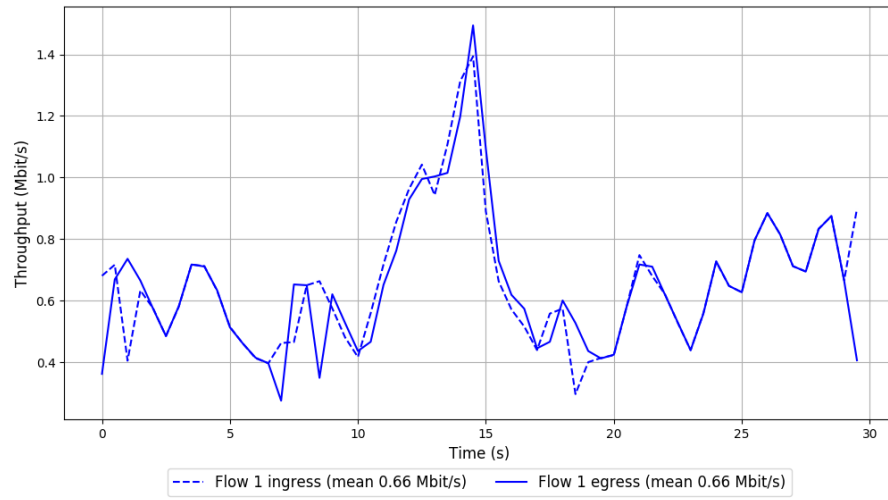
-- Flow 1:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 118.033 ms

Loss rate: 1.26%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2017-09-21 09:31:03

End at: 2017-09-21 09:31:33

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 117.393 ms

Loss rate: 0.25%

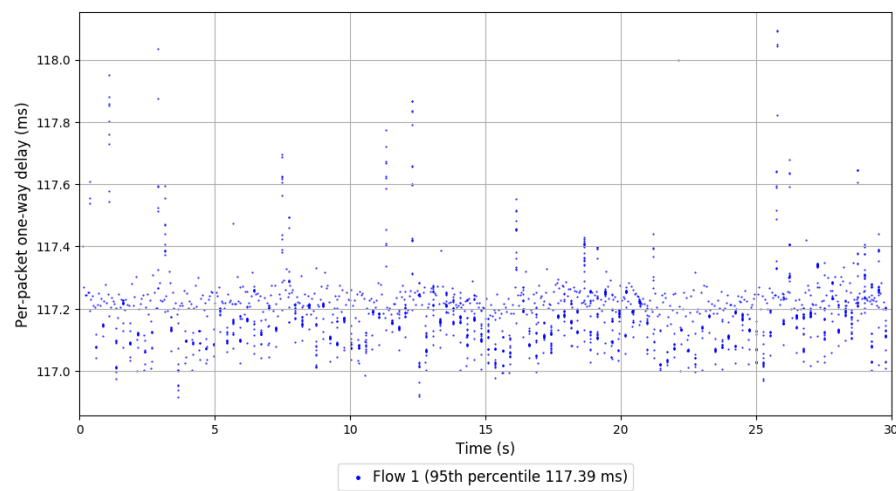
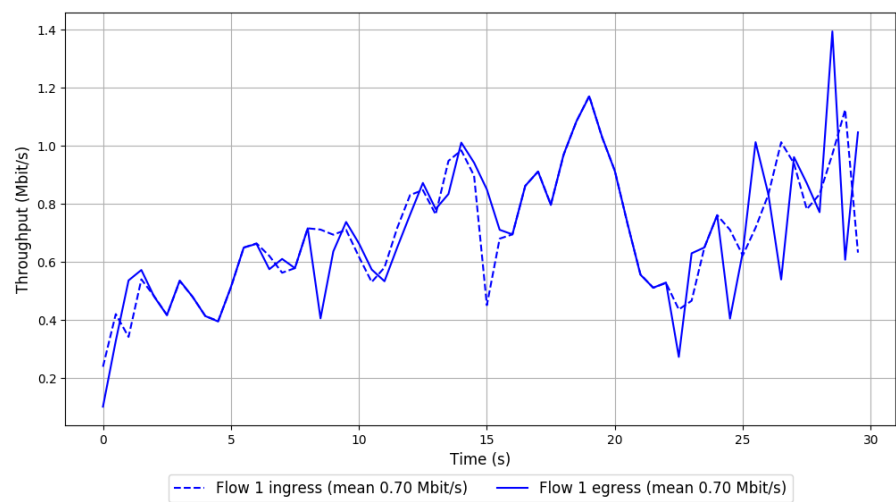
-- Flow 1:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 117.393 ms

Loss rate: 0.25%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2017-09-21 09:42:27

End at: 2017-09-21 09:42:57

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 117.910 ms

Loss rate: 0.49%

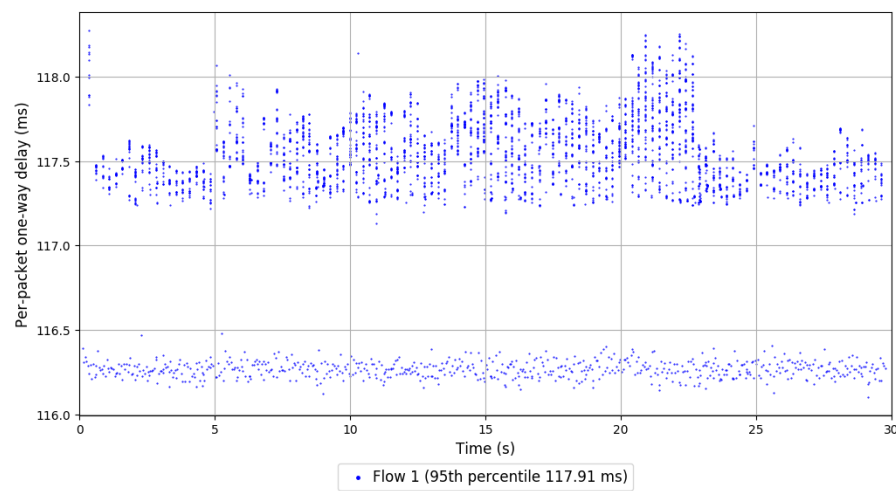
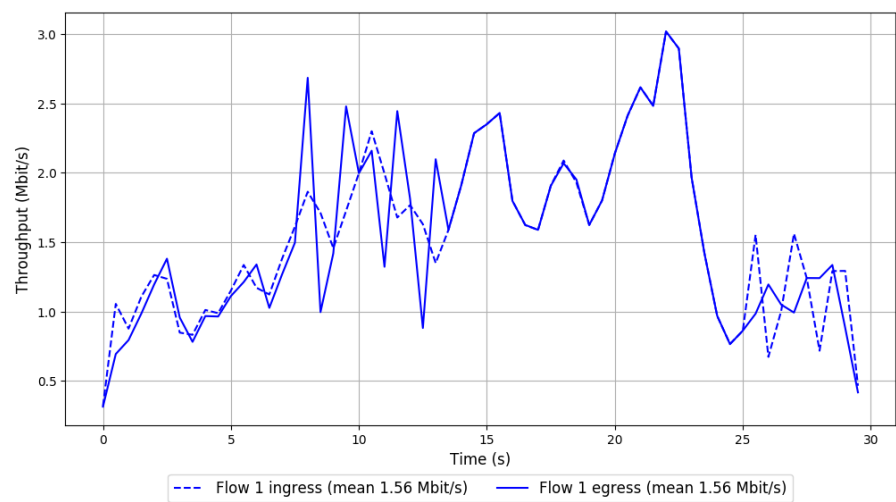
-- Flow 1:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 117.910 ms

Loss rate: 0.49%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2017-09-21 09:53:30

End at: 2017-09-21 09:54:00

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 117.771 ms

Loss rate: 0.83%

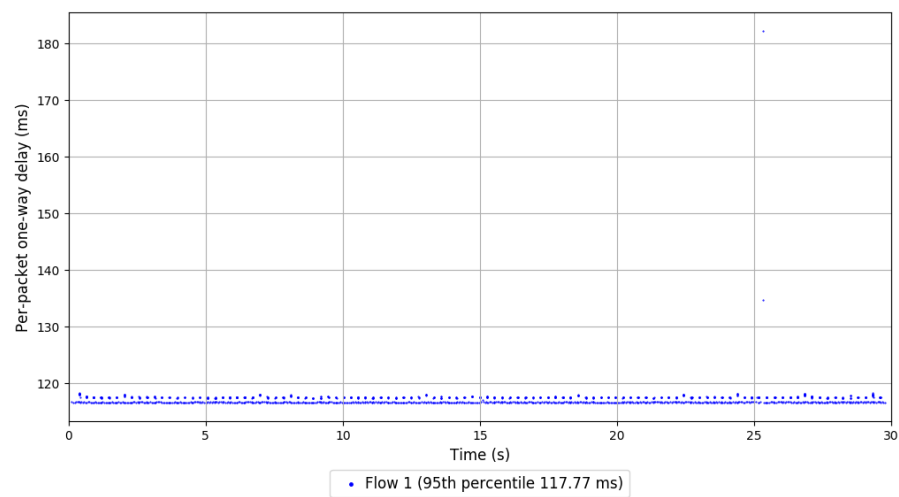
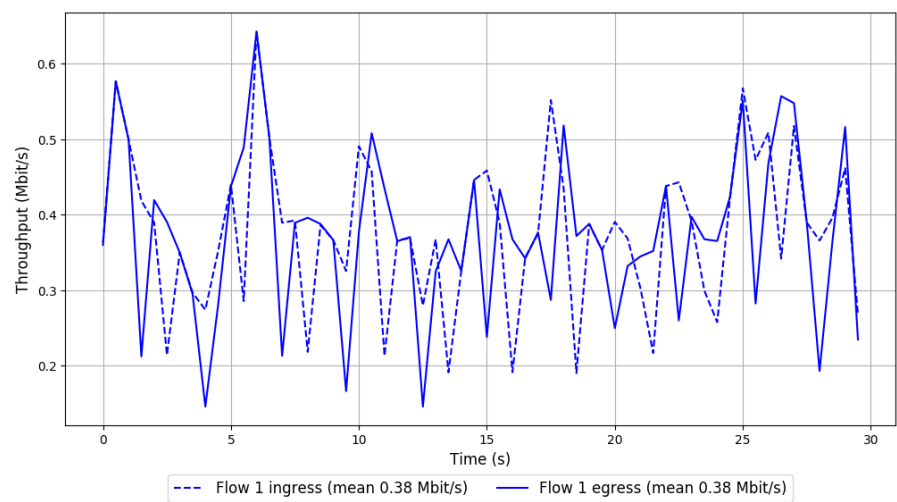
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 117.771 ms

Loss rate: 0.83%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-09-21 10:04:26

End at: 2017-09-21 10:04:56

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 118.282 ms

Loss rate: 0.93%

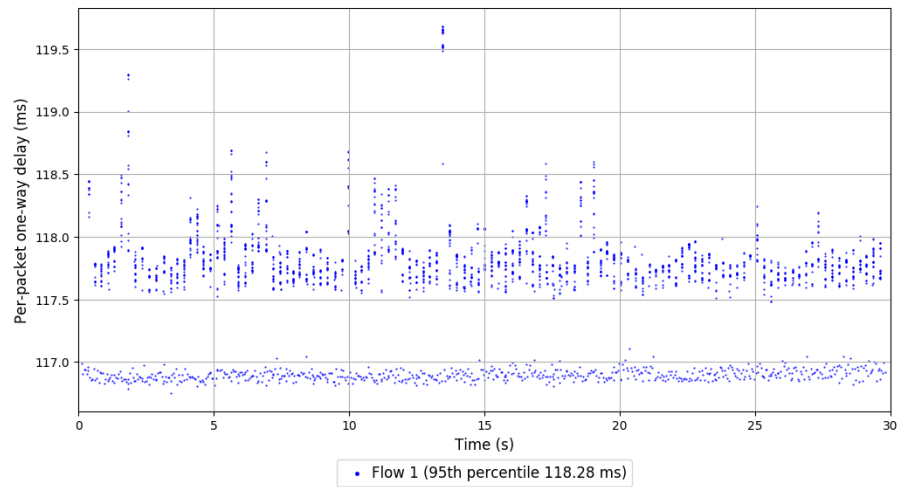
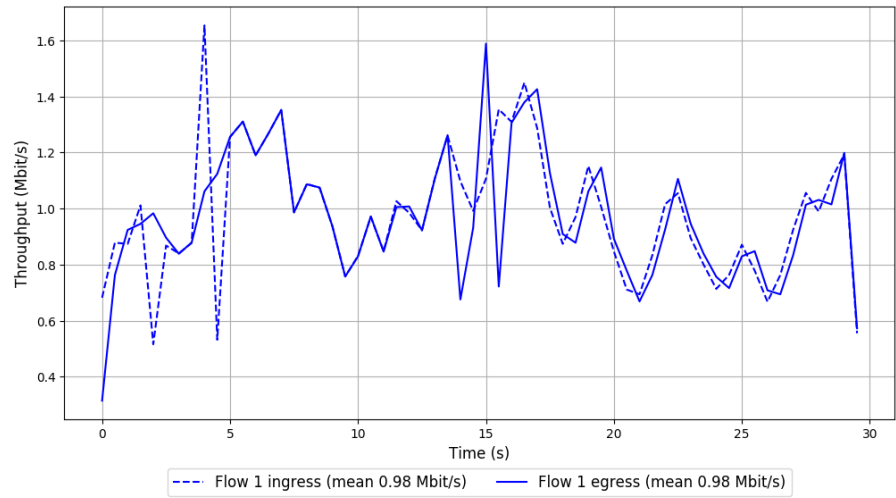
-- Flow 1:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 118.282 ms

Loss rate: 0.93%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2017-09-21 10:15:42

End at: 2017-09-21 10:16:12

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 118.526 ms

Loss rate: 0.92%

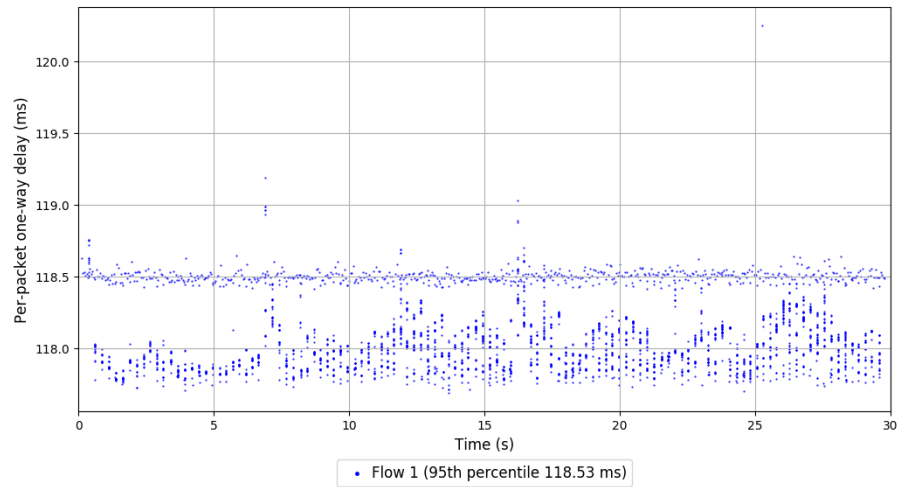
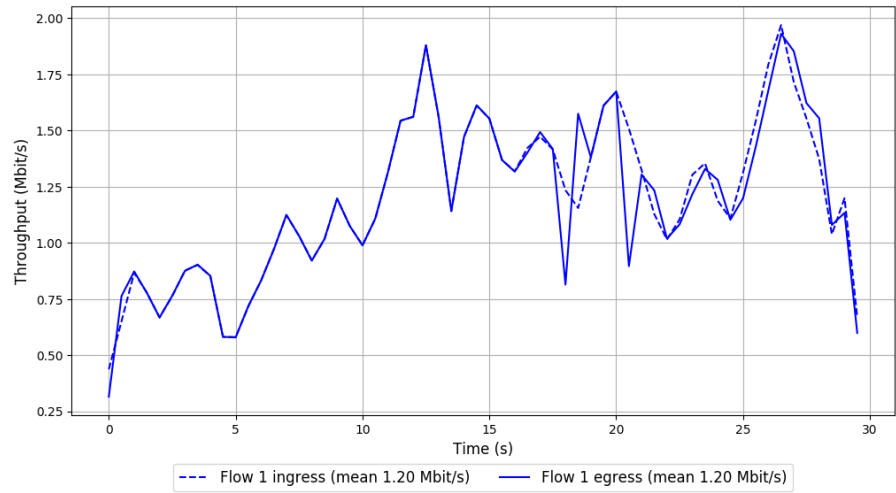
-- Flow 1:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 118.526 ms

Loss rate: 0.92%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2017-09-21 10:26:33

End at: 2017-09-21 10:27:03

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 118.805 ms

Loss rate: 0.56%

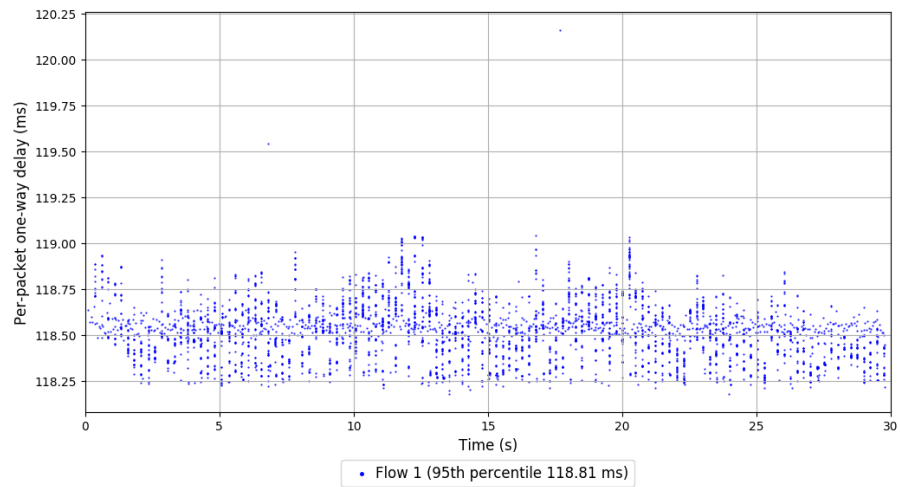
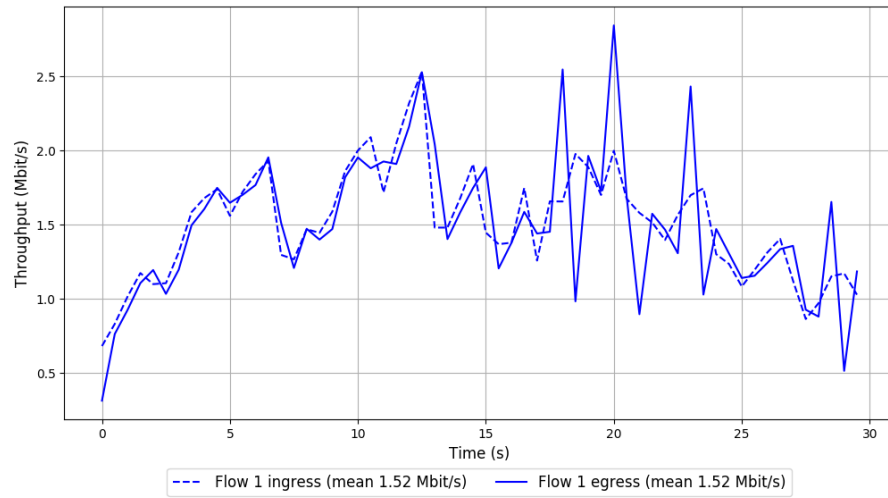
-- Flow 1:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 118.805 ms

Loss rate: 0.56%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2017-09-21 10:37:49

End at: 2017-09-21 10:38:19

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.75 Mbit/s

95th percentile per-packet one-way delay: 118.651 ms

Loss rate: 0.62%

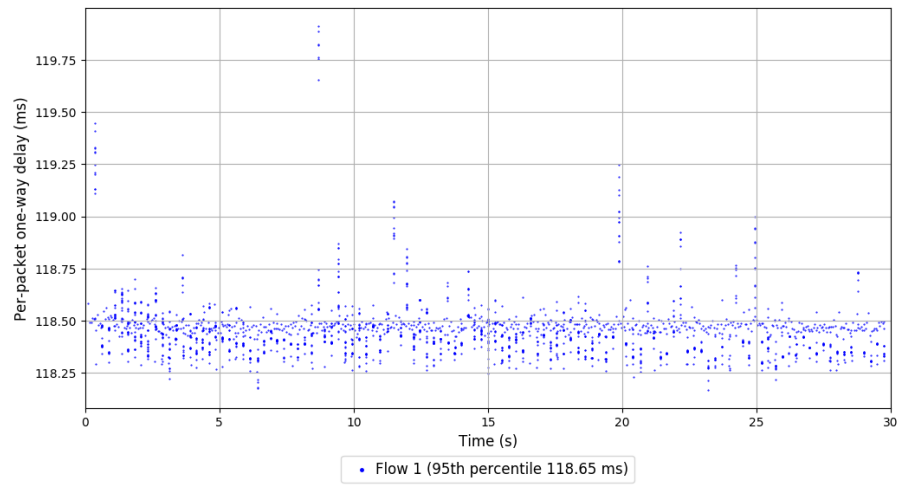
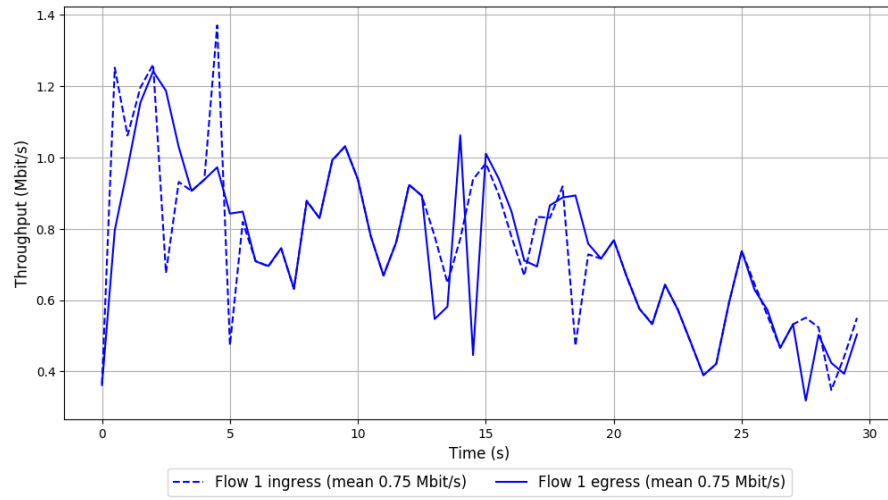
-- Flow 1:

Average throughput: 0.75 Mbit/s

95th percentile per-packet one-way delay: 118.651 ms

Loss rate: 0.62%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-09-21 10:49:01

End at: 2017-09-21 10:49:31

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.86 Mbit/s

95th percentile per-packet one-way delay: 118.653 ms

Loss rate: 0.67%

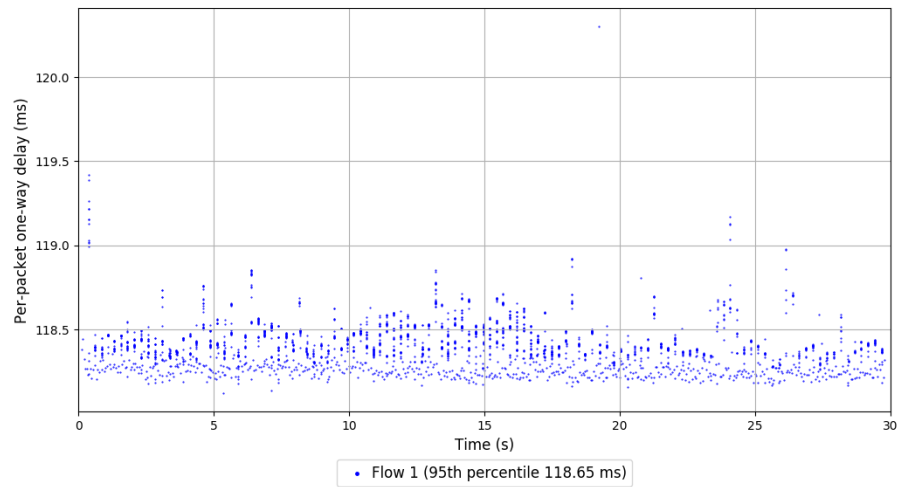
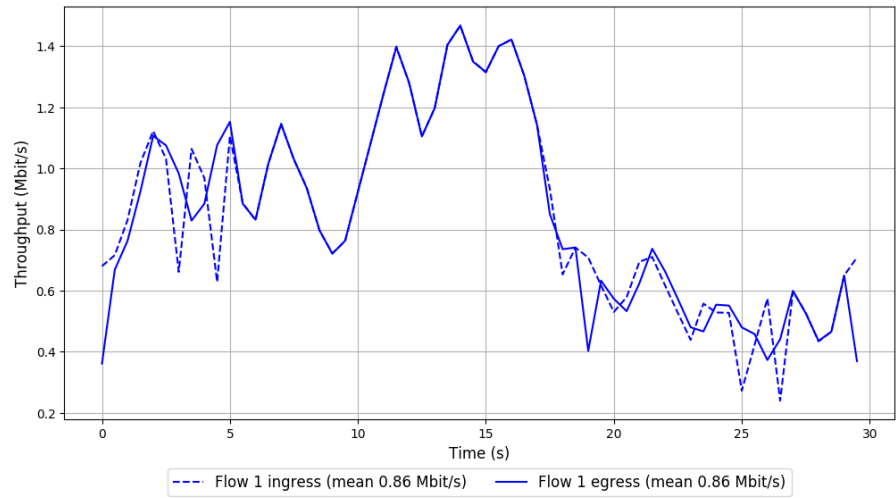
-- Flow 1:

Average throughput: 0.86 Mbit/s

95th percentile per-packet one-way delay: 118.653 ms

Loss rate: 0.67%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-09-21 11:00:15

End at: 2017-09-21 11:00:45

Below is generated by plot.py at 2017-09-21 13:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 118.647 ms

Loss rate: 1.41%

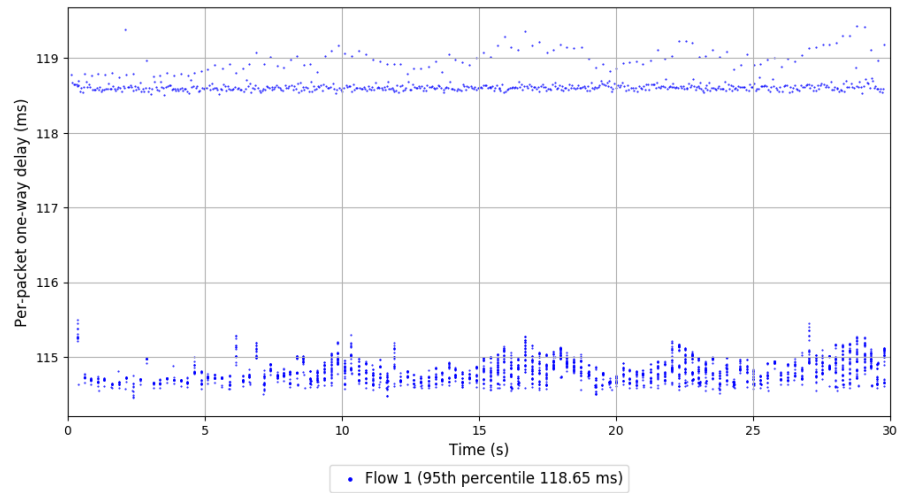
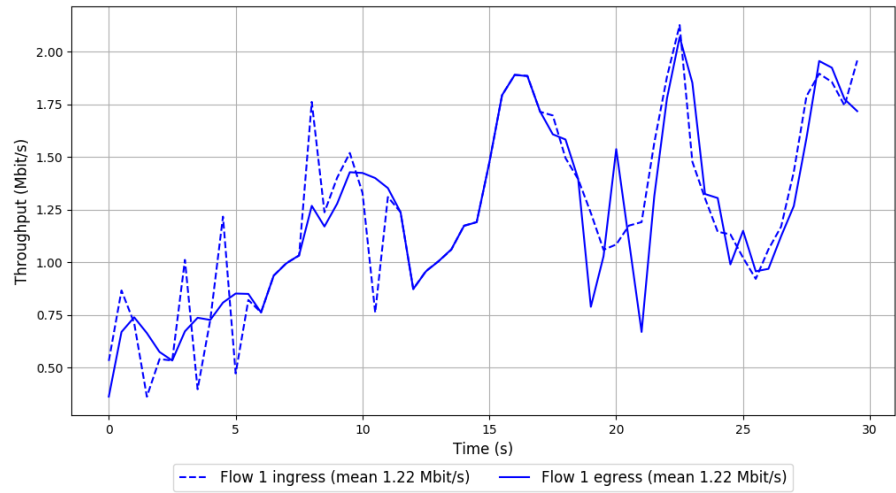
-- Flow 1:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 118.647 ms

Loss rate: 1.41%

Run 10: Report of Sprout — Data Link

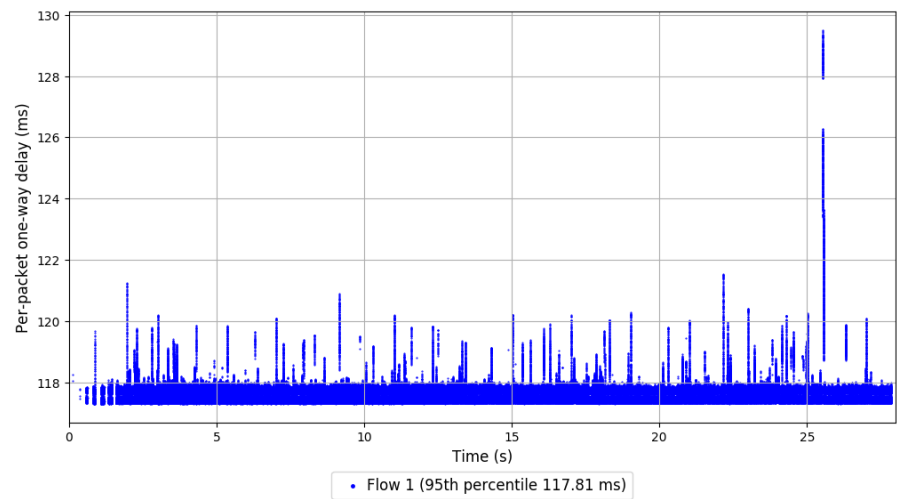
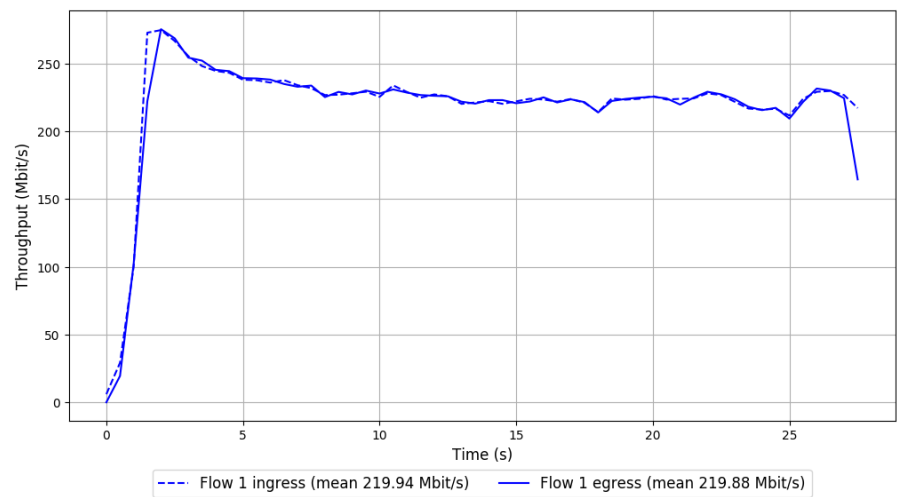


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-09-21 09:21:07
End at: 2017-09-21 09:21:37

# Below is generated by plot.py at 2017-09-21 13:24:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 219.88 Mbit/s
95th percentile per-packet one-way delay: 117.813 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 219.88 Mbit/s
95th percentile per-packet one-way delay: 117.813 ms
Loss rate: 0.87%
```


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

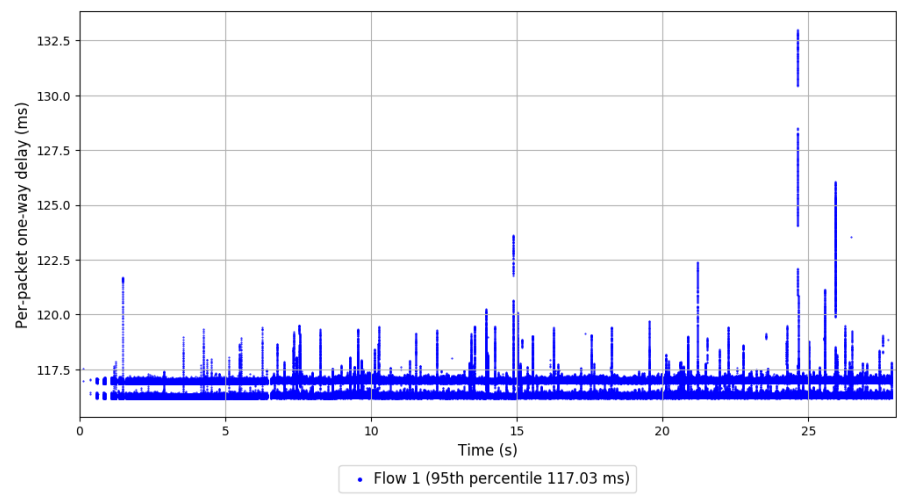
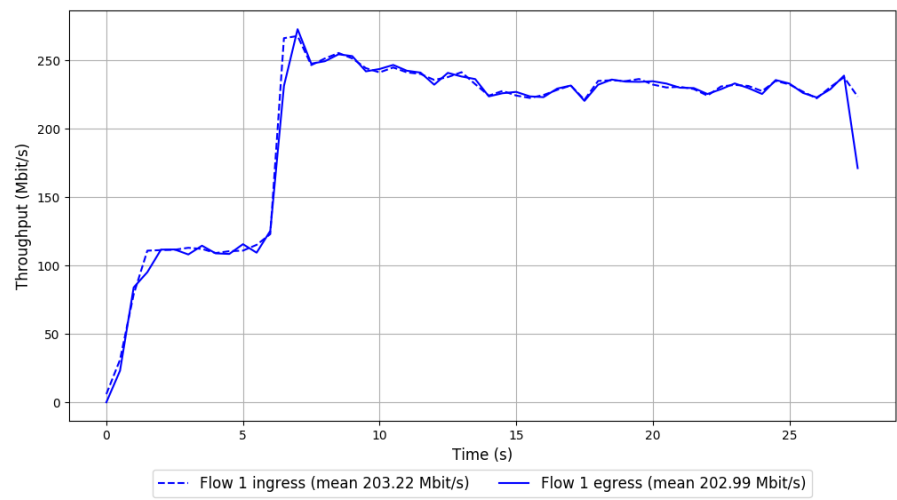


```
Run 2: Statistics of TaoVA-100x

Start at: 2017-09-21 09:32:25
End at: 2017-09-21 09:32:55

# Below is generated by plot.py at 2017-09-21 13:24:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.99 Mbit/s
95th percentile per-packet one-way delay: 117.032 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 202.99 Mbit/s
95th percentile per-packet one-way delay: 117.032 ms
Loss rate: 0.95%
```

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

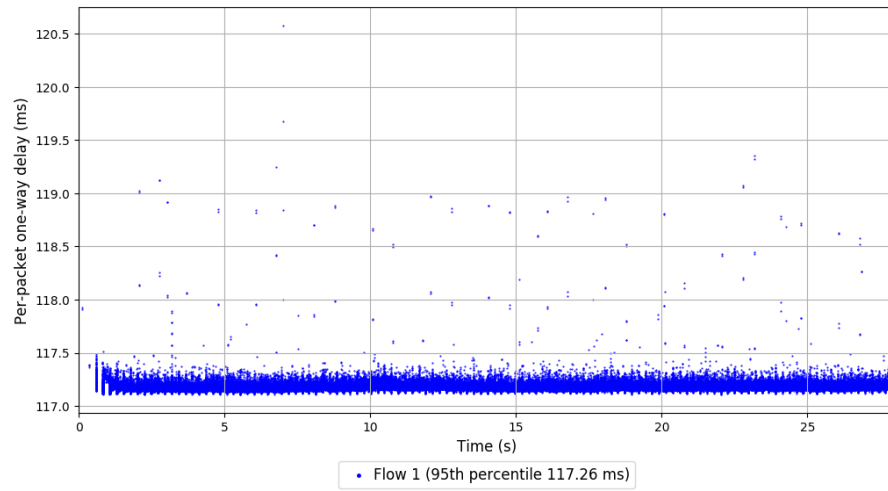
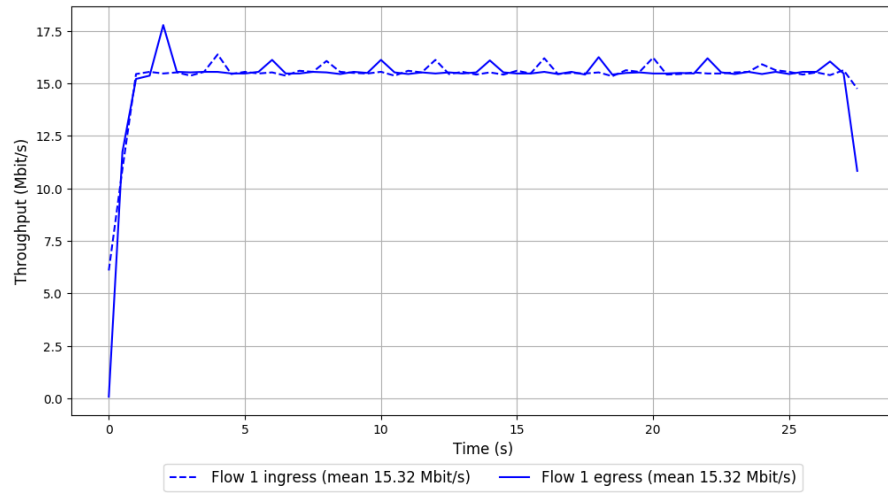


```
Run 3: Statistics of TaoVA-100x

Start at: 2017-09-21 09:43:49
End at: 2017-09-21 09:44:19

# Below is generated by plot.py at 2017-09-21 13:24:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.32 Mbit/s
95th percentile per-packet one-way delay: 117.264 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 15.32 Mbit/s
95th percentile per-packet one-way delay: 117.264 ms
Loss rate: 0.85%
```

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



Run 4: Statistics of TaoVA-100x

Start at: 2017-09-21 09:54:52

End at: 2017-09-21 09:55:22

Below is generated by plot.py at 2017-09-21 13:24:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.47 Mbit/s

95th percentile per-packet one-way delay: 117.450 ms

Loss rate: 0.85%

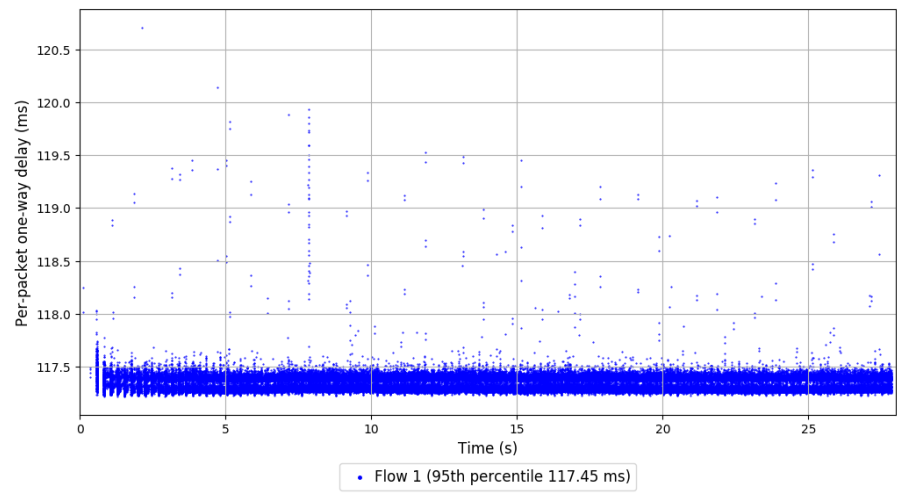
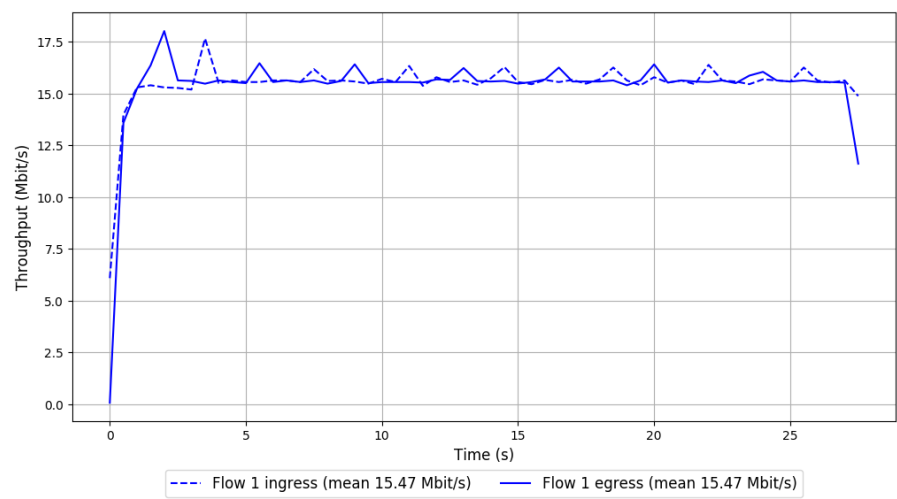
-- Flow 1:

Average throughput: 15.47 Mbit/s

95th percentile per-packet one-way delay: 117.450 ms

Loss rate: 0.85%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-09-21 10:05:48

End at: 2017-09-21 10:06:18

Below is generated by plot.py at 2017-09-21 13:24:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.84 Mbit/s

95th percentile per-packet one-way delay: 117.646 ms

Loss rate: 0.77%

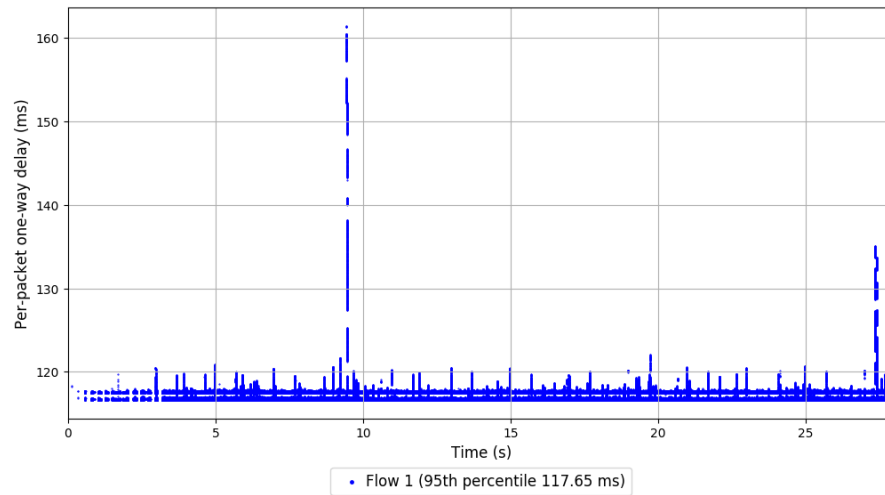
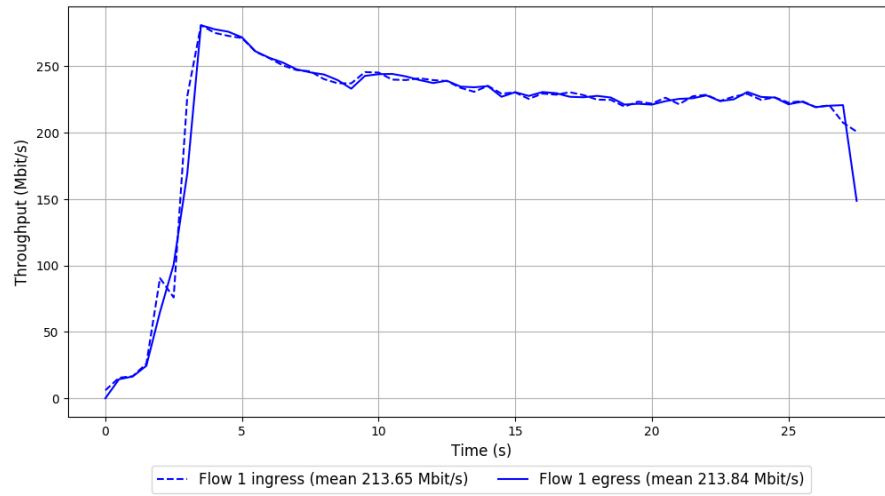
-- Flow 1:

Average throughput: 213.84 Mbit/s

95th percentile per-packet one-way delay: 117.646 ms

Loss rate: 0.77%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-09-21 10:17:03

End at: 2017-09-21 10:17:33

Below is generated by plot.py at 2017-09-21 13:24:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.78 Mbit/s

95th percentile per-packet one-way delay: 117.696 ms

Loss rate: 0.84%

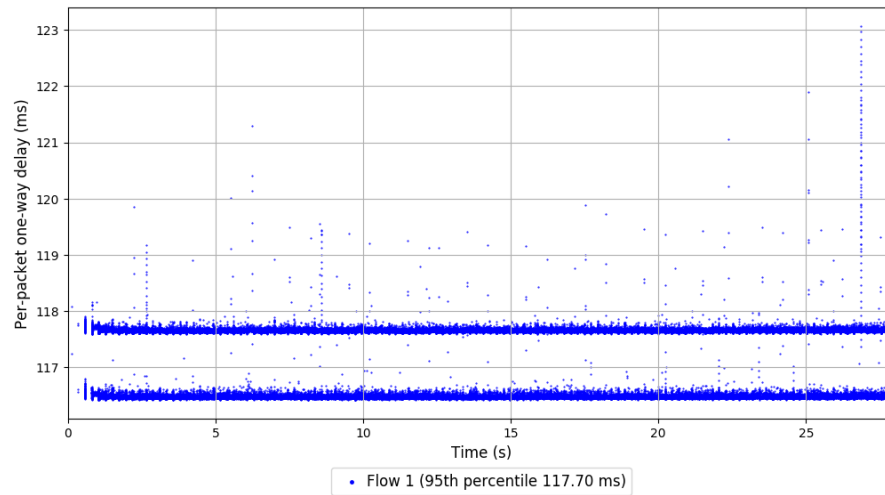
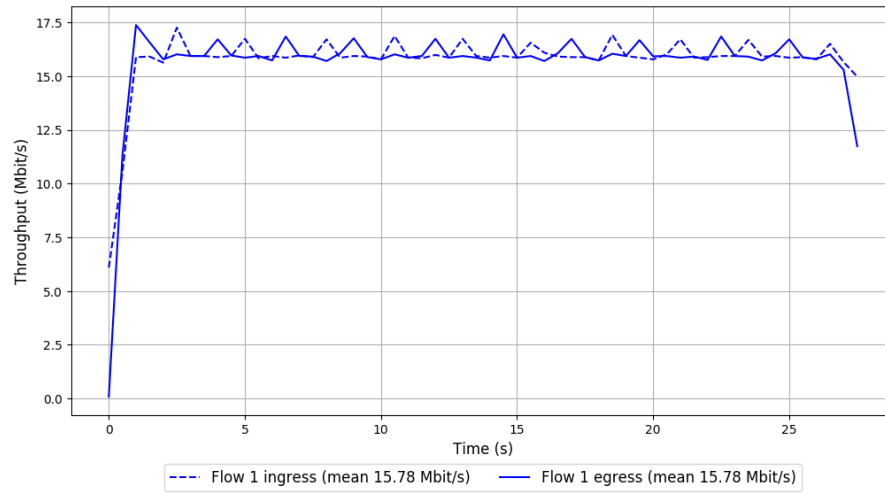
-- Flow 1:

Average throughput: 15.78 Mbit/s

95th percentile per-packet one-way delay: 117.696 ms

Loss rate: 0.84%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-09-21 10:27:55

End at: 2017-09-21 10:28:25

Below is generated by plot.py at 2017-09-21 13:24:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.04 Mbit/s

95th percentile per-packet one-way delay: 118.232 ms

Loss rate: 0.90%

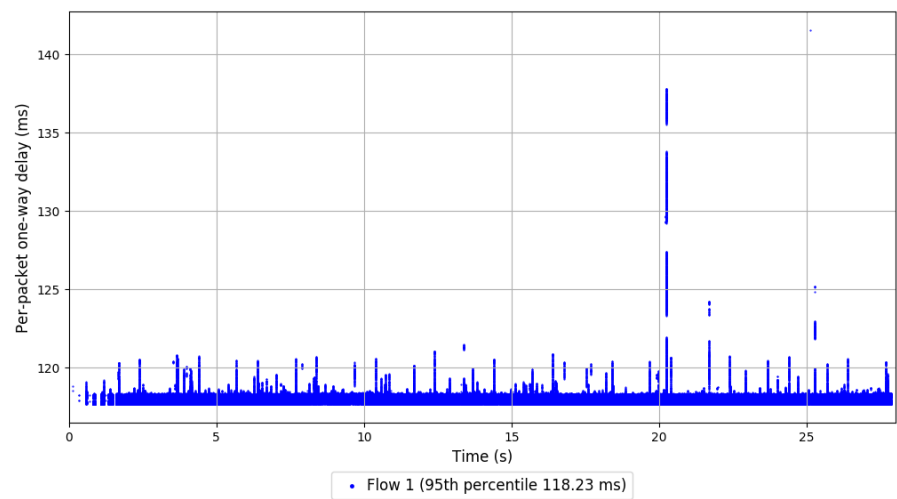
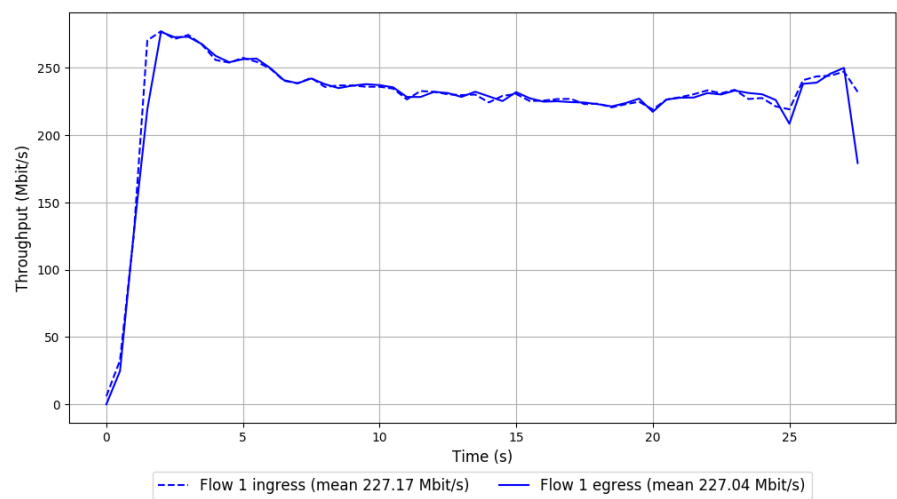
-- Flow 1:

Average throughput: 227.04 Mbit/s

95th percentile per-packet one-way delay: 118.232 ms

Loss rate: 0.90%

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



Run 8: Statistics of TaoVA-100x

Start at: 2017-09-21 10:39:11

End at: 2017-09-21 10:39:41

Below is generated by plot.py at 2017-09-21 13:24:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.11 Mbit/s

95th percentile per-packet one-way delay: 118.281 ms

Loss rate: 0.44%

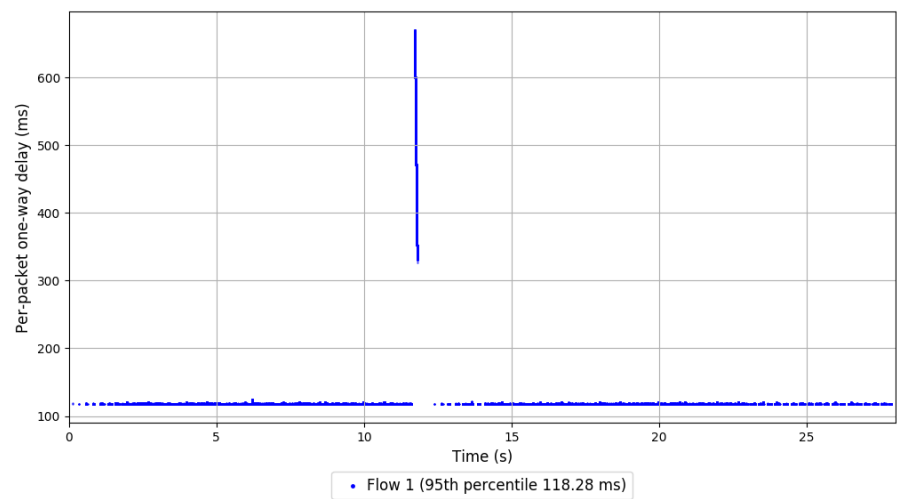
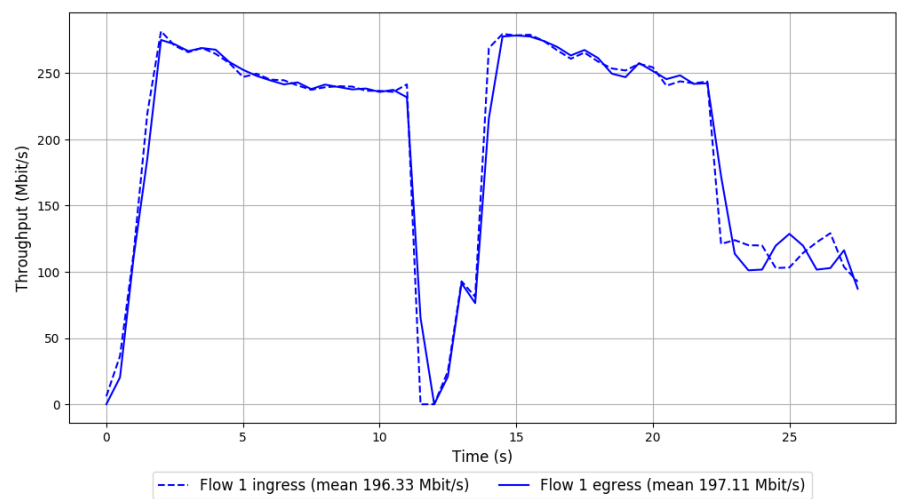
-- Flow 1:

Average throughput: 197.11 Mbit/s

95th percentile per-packet one-way delay: 118.281 ms

Loss rate: 0.44%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-09-21 10:50:23

End at: 2017-09-21 10:50:53

Below is generated by plot.py at 2017-09-21 13:24:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.87 Mbit/s

95th percentile per-packet one-way delay: 118.301 ms

Loss rate: 0.86%

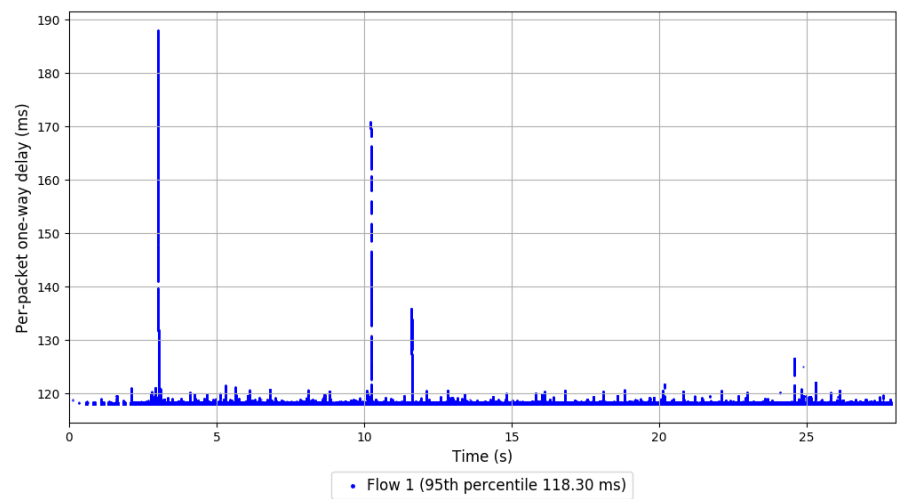
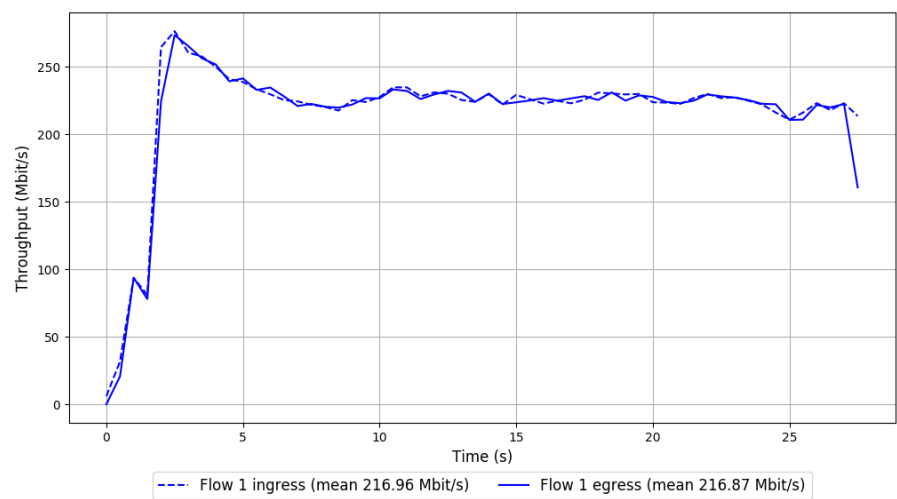
-- Flow 1:

Average throughput: 216.87 Mbit/s

95th percentile per-packet one-way delay: 118.301 ms

Loss rate: 0.86%

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

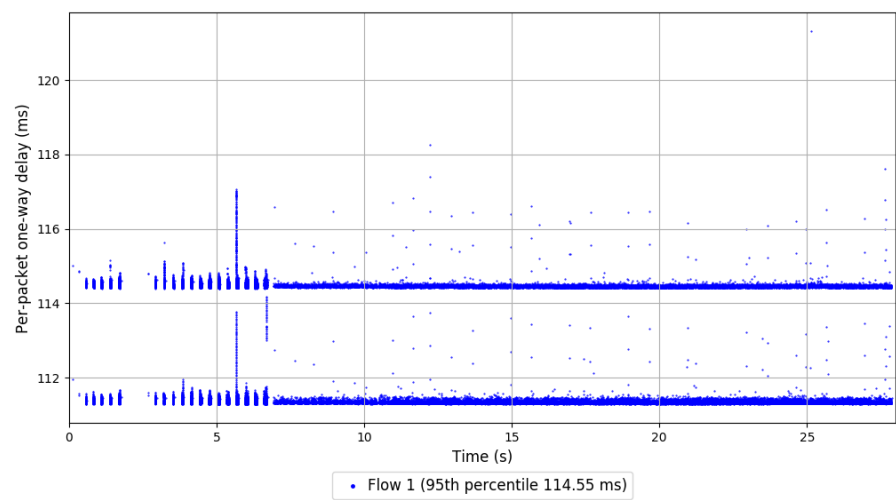
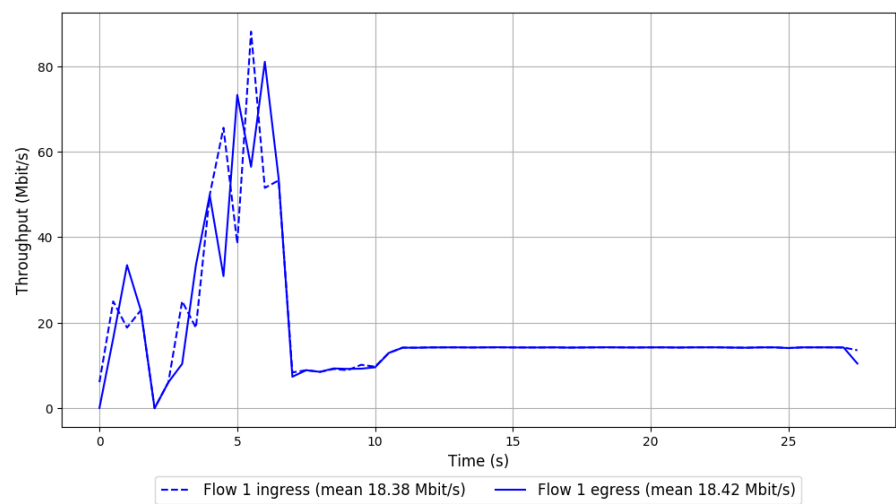


```
Run 10: Statistics of TaoVA-100x

Start at: 2017-09-21 11:01:36
End at: 2017-09-21 11:02:06

# Below is generated by plot.py at 2017-09-21 13:24:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.42 Mbit/s
95th percentile per-packet one-way delay: 114.547 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 18.42 Mbit/s
95th percentile per-packet one-way delay: 114.547 ms
Loss rate: 0.62%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2017-09-21 09:29:37

End at: 2017-09-21 09:30:07

Below is generated by plot.py at 2017-09-21 13:24:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.49 Mbit/s

95th percentile per-packet one-way delay: 120.292 ms

Loss rate: 0.69%

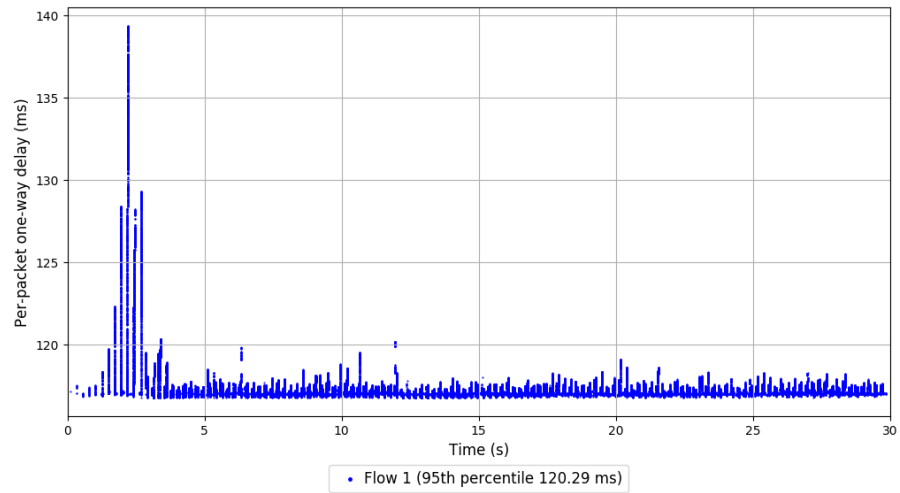
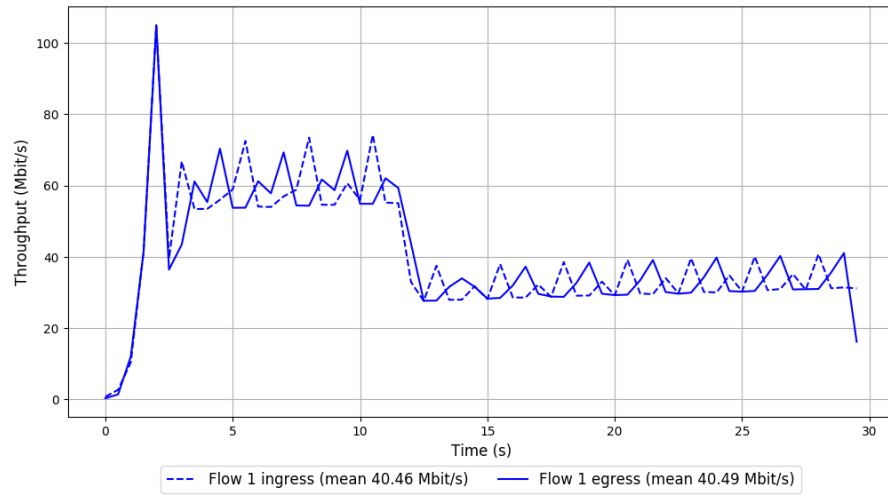
-- Flow 1:

Average throughput: 40.49 Mbit/s

95th percentile per-packet one-way delay: 120.292 ms

Loss rate: 0.69%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-09-21 09:41:00

End at: 2017-09-21 09:41:30

Below is generated by plot.py at 2017-09-21 13:24:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.16 Mbit/s

95th percentile per-packet one-way delay: 118.352 ms

Loss rate: 0.86%

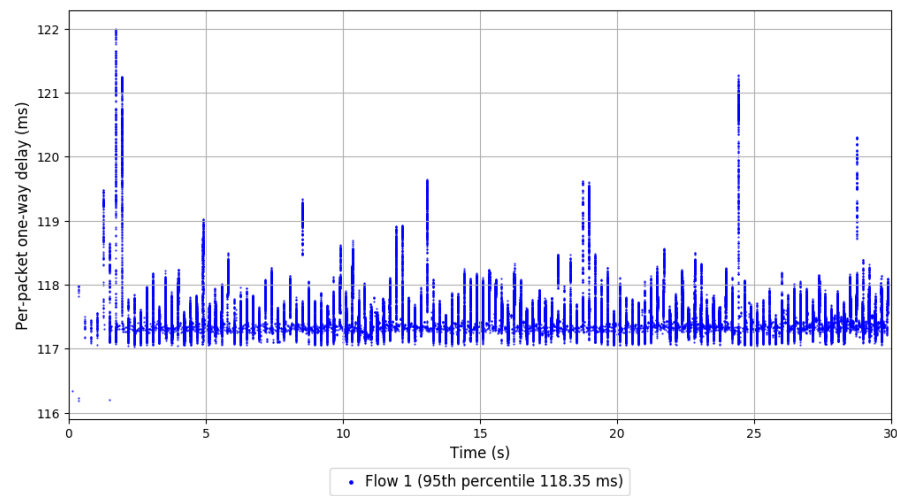
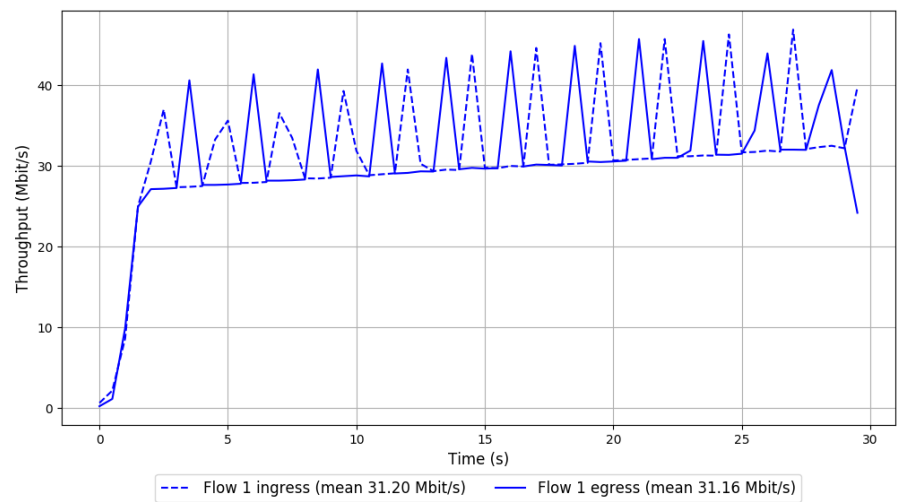
-- Flow 1:

Average throughput: 31.16 Mbit/s

95th percentile per-packet one-way delay: 118.352 ms

Loss rate: 0.86%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2017-09-21 09:52:01

End at: 2017-09-21 09:52:31

Below is generated by plot.py at 2017-09-21 13:25:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.50 Mbit/s

95th percentile per-packet one-way delay: 126.644 ms

Loss rate: 0.65%

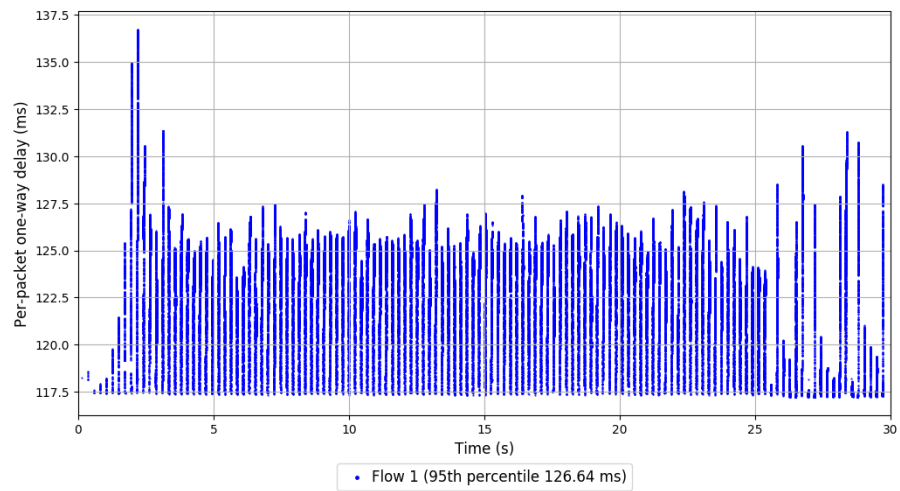
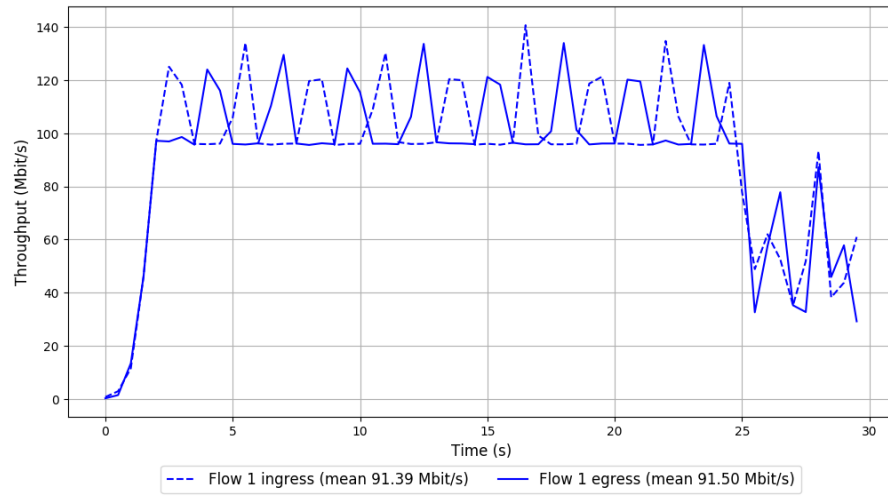
-- Flow 1:

Average throughput: 91.50 Mbit/s

95th percentile per-packet one-way delay: 126.644 ms

Loss rate: 0.65%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2017-09-21 10:03:00

End at: 2017-09-21 10:03:30

Below is generated by plot.py at 2017-09-21 13:25:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.07 Mbit/s

95th percentile per-packet one-way delay: 125.055 ms

Loss rate: 0.78%

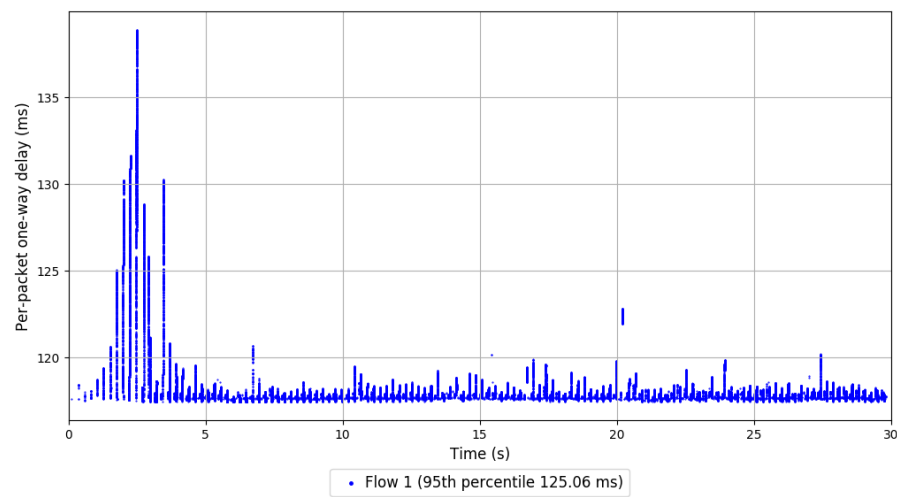
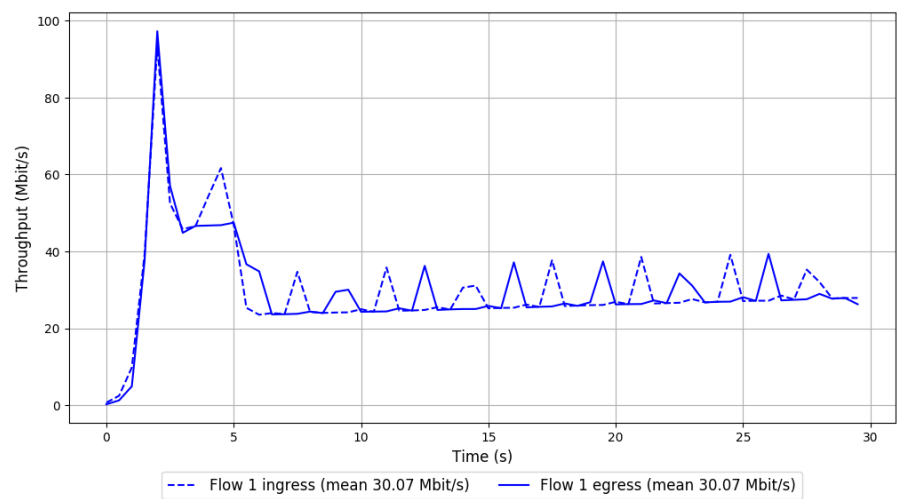
-- Flow 1:

Average throughput: 30.07 Mbit/s

95th percentile per-packet one-way delay: 125.055 ms

Loss rate: 0.78%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-09-21 10:14:16

End at: 2017-09-21 10:14:46

Below is generated by plot.py at 2017-09-21 13:25:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.58 Mbit/s

95th percentile per-packet one-way delay: 119.006 ms

Loss rate: 0.46%

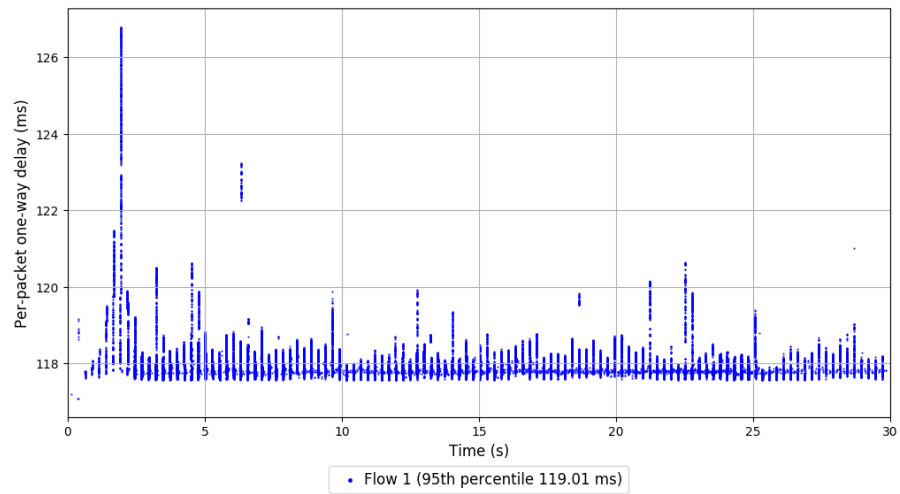
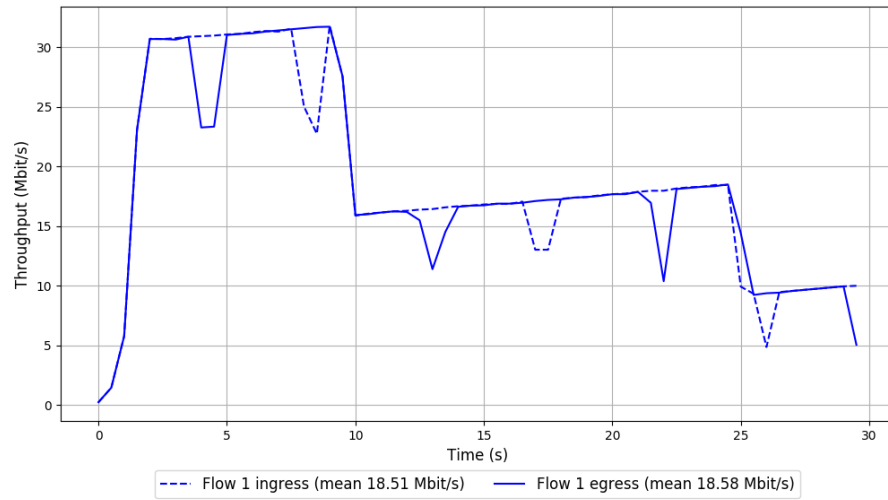
-- Flow 1:

Average throughput: 18.58 Mbit/s

95th percentile per-packet one-way delay: 119.006 ms

Loss rate: 0.46%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2017-09-21 10:25:09

End at: 2017-09-21 10:25:39

Below is generated by plot.py at 2017-09-21 13:25:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.48 Mbit/s

95th percentile per-packet one-way delay: 129.649 ms

Loss rate: 0.90%

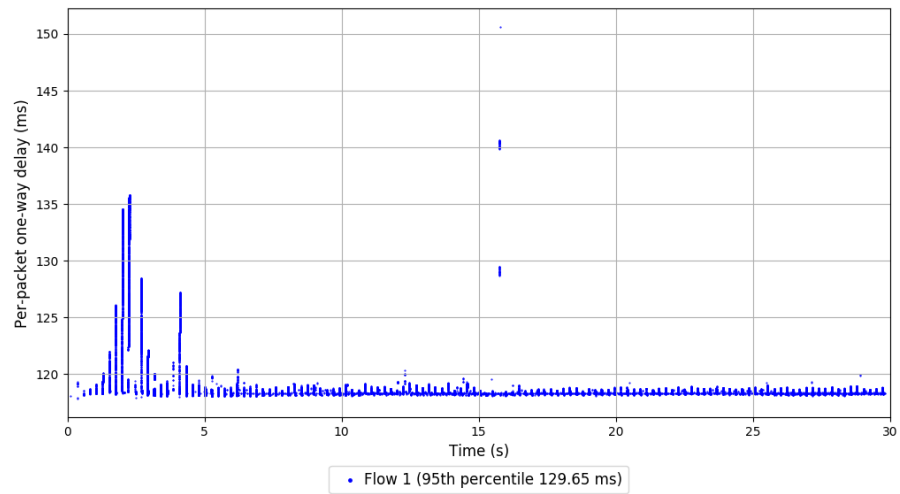
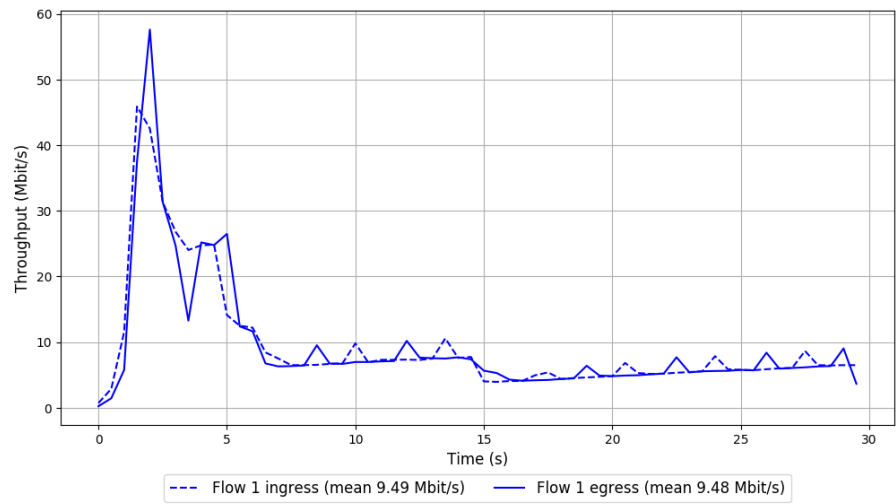
-- Flow 1:

Average throughput: 9.48 Mbit/s

95th percentile per-packet one-way delay: 129.649 ms

Loss rate: 0.90%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2017-09-21 10:36:20

End at: 2017-09-21 10:36:50

Below is generated by plot.py at 2017-09-21 13:25:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.33 Mbit/s

95th percentile per-packet one-way delay: 127.598 ms

Loss rate: 0.28%

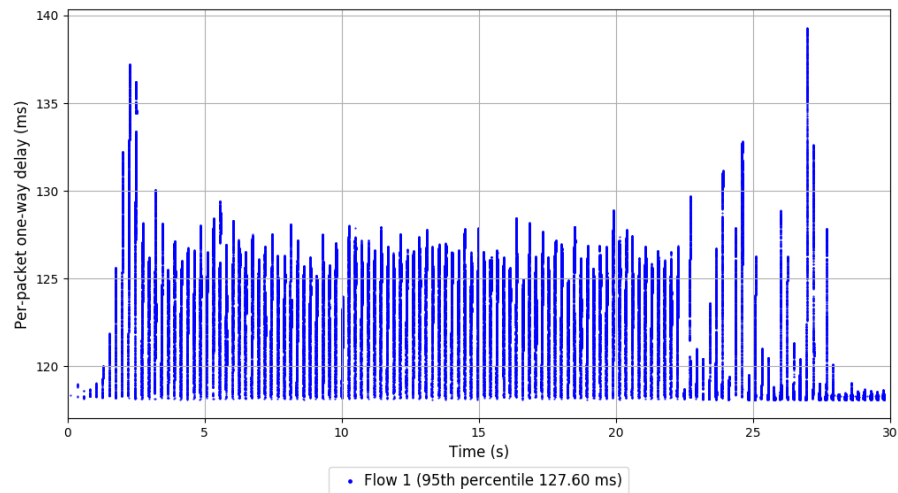
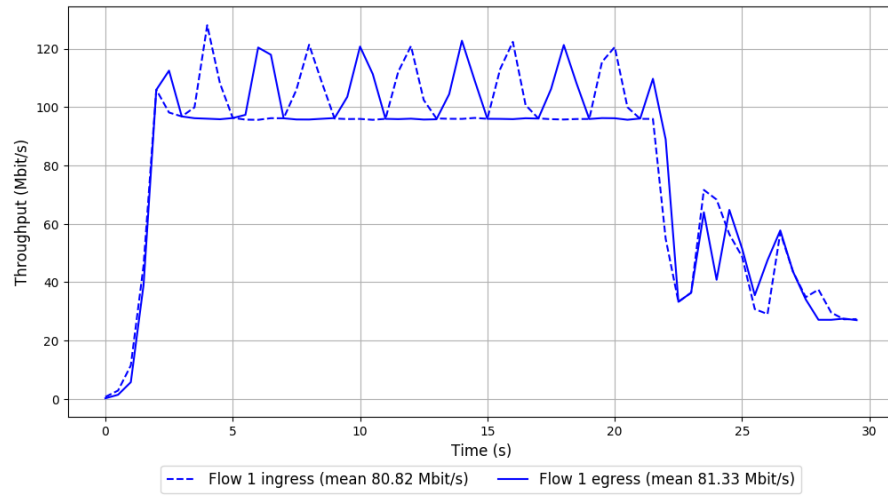
-- Flow 1:

Average throughput: 81.33 Mbit/s

95th percentile per-packet one-way delay: 127.598 ms

Loss rate: 0.28%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-09-21 10:47:36

End at: 2017-09-21 10:48:06

Below is generated by plot.py at 2017-09-21 13:25:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.74 Mbit/s

95th percentile per-packet one-way delay: 119.483 ms

Loss rate: 0.87%

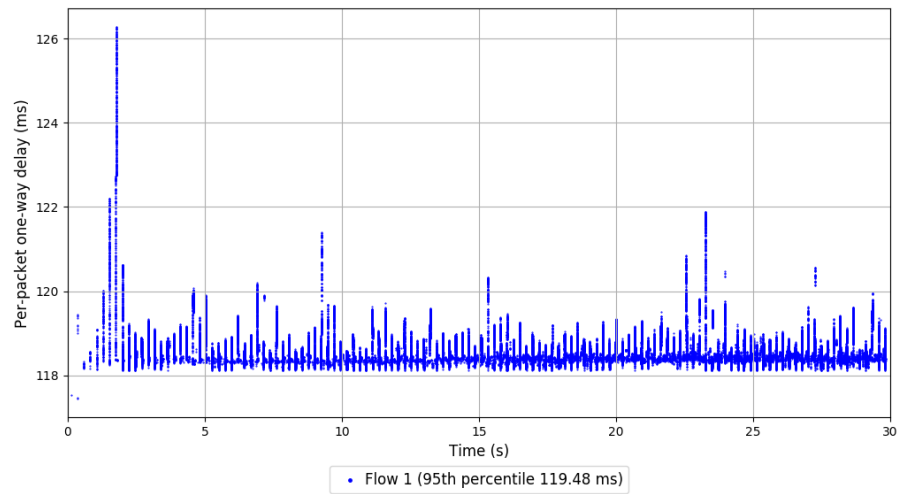
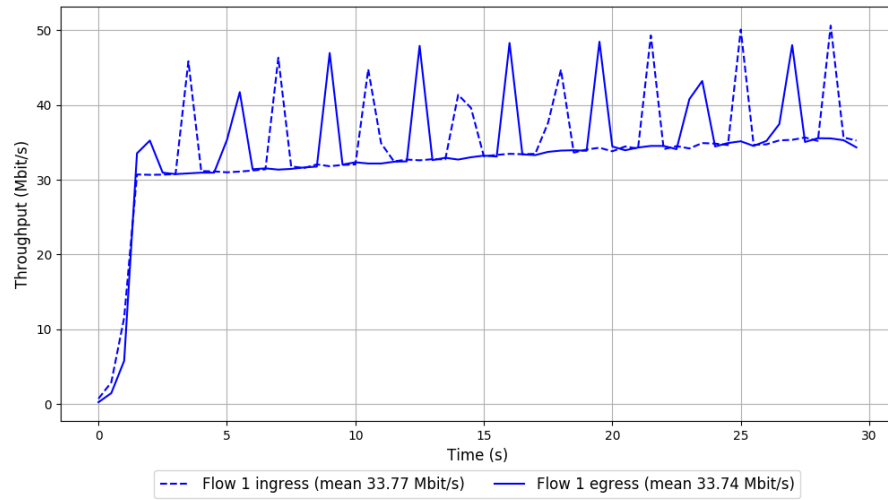
-- Flow 1:

Average throughput: 33.74 Mbit/s

95th percentile per-packet one-way delay: 119.483 ms

Loss rate: 0.87%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2017-09-21 10:58:49

End at: 2017-09-21 10:59:19

Below is generated by plot.py at 2017-09-21 13:25:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.48 Mbit/s

95th percentile per-packet one-way delay: 124.801 ms

Loss rate: 0.36%

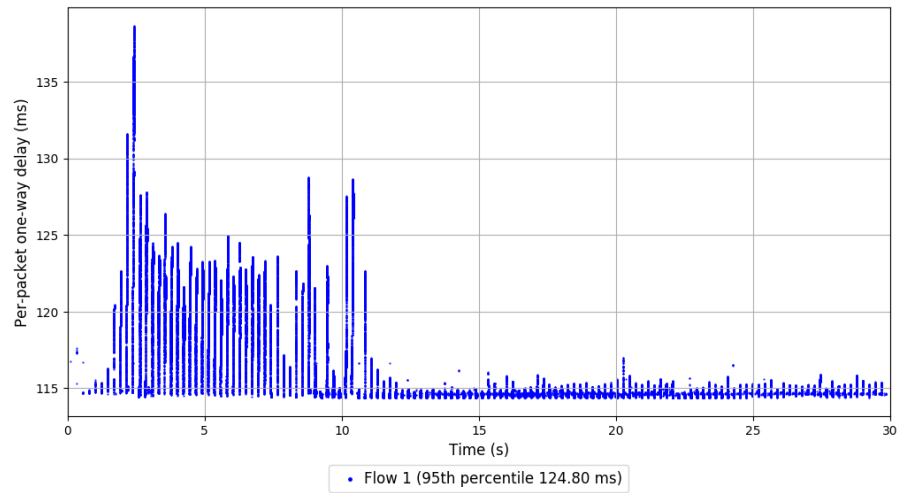
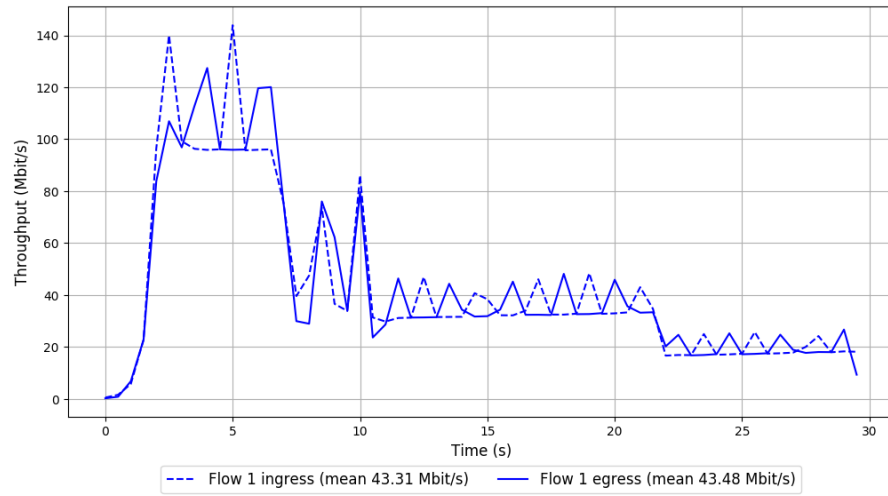
-- Flow 1:

Average throughput: 43.48 Mbit/s

95th percentile per-packet one-way delay: 124.801 ms

Loss rate: 0.36%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2017-09-21 11:09:43

End at: 2017-09-21 11:10:13

Below is generated by plot.py at 2017-09-21 13:25:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.74 Mbit/s

95th percentile per-packet one-way delay: 115.544 ms

Loss rate: 0.81%

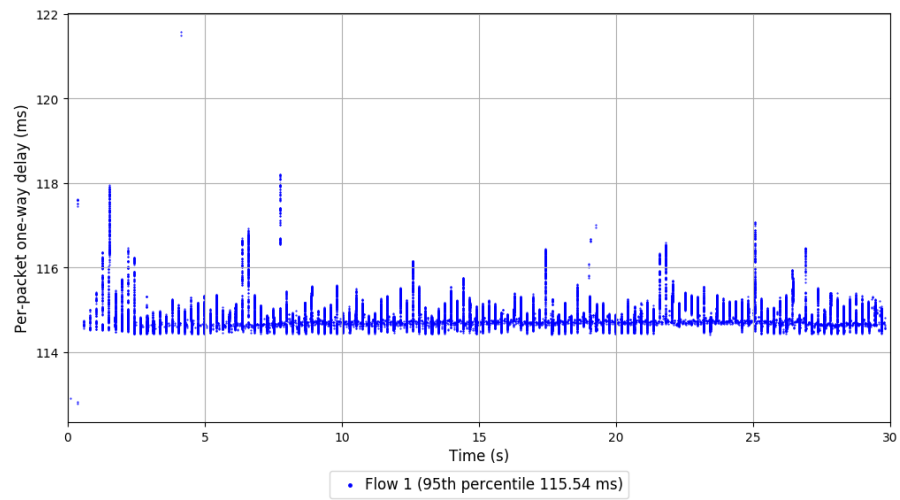
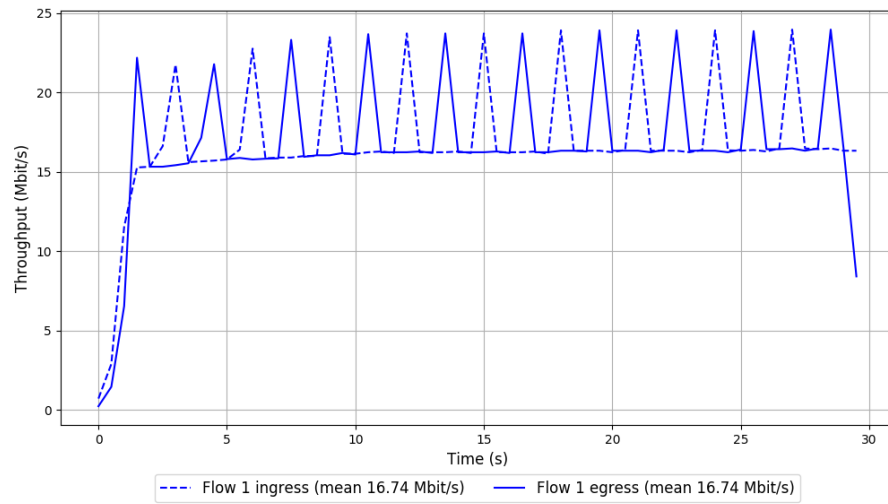
-- Flow 1:

Average throughput: 16.74 Mbit/s

95th percentile per-packet one-way delay: 115.544 ms

Loss rate: 0.81%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2017-09-21 09:24:37

End at: 2017-09-21 09:25:07

Below is generated by plot.py at 2017-09-21 13:25:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.55 Mbit/s

95th percentile per-packet one-way delay: 209.369 ms

Loss rate: 5.02%

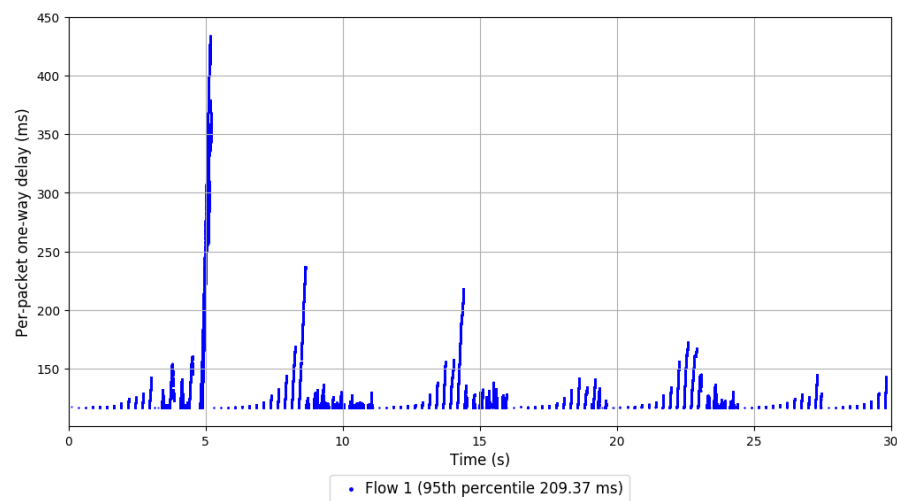
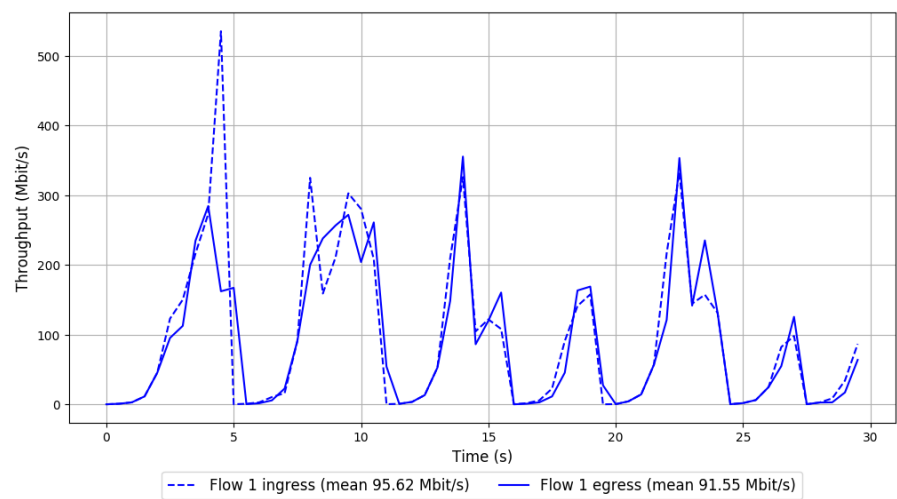
-- Flow 1:

Average throughput: 91.55 Mbit/s

95th percentile per-packet one-way delay: 209.369 ms

Loss rate: 5.02%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2017-09-21 09:35:54

End at: 2017-09-21 09:36:24

Below is generated by plot.py at 2017-09-21 13:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.39 Mbit/s

95th percentile per-packet one-way delay: 151.819 ms

Loss rate: 0.75%

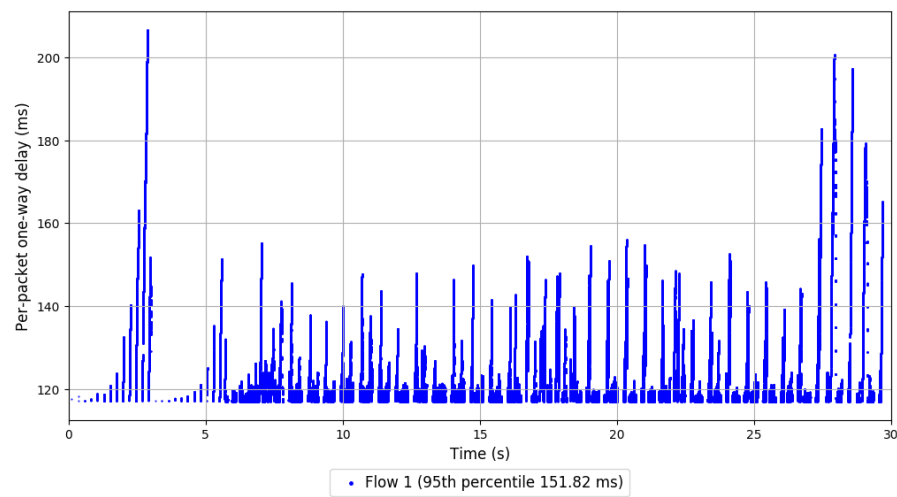
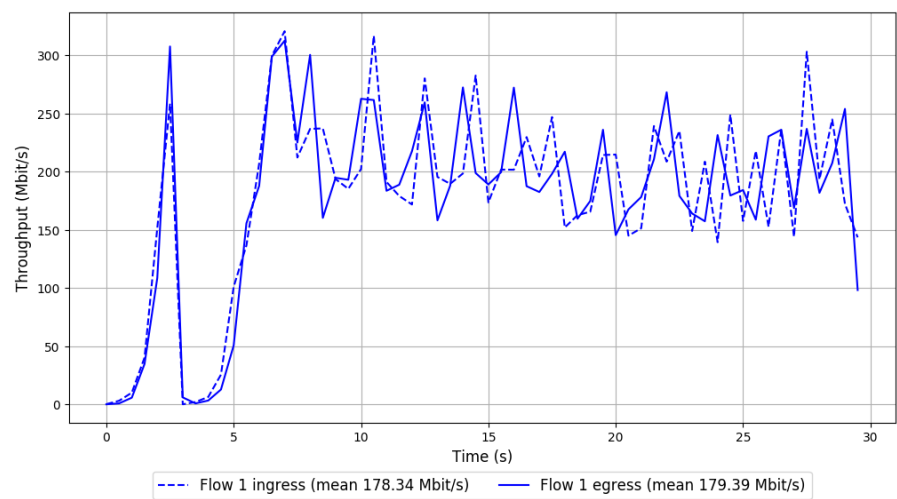
-- Flow 1:

Average throughput: 179.39 Mbit/s

95th percentile per-packet one-way delay: 151.819 ms

Loss rate: 0.75%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-09-21 09:46:58

End at: 2017-09-21 09:47:28

Below is generated by plot.py at 2017-09-21 13:27:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.58 Mbit/s

95th percentile per-packet one-way delay: 133.259 ms

Loss rate: 0.01%

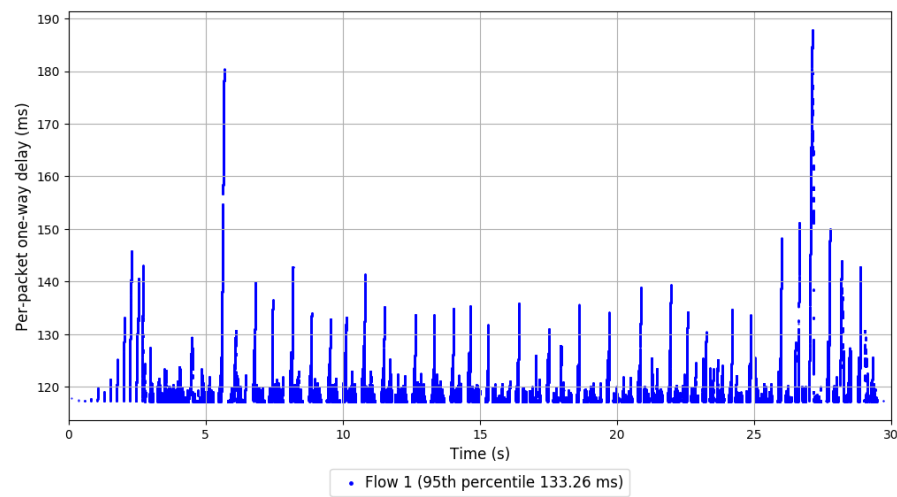
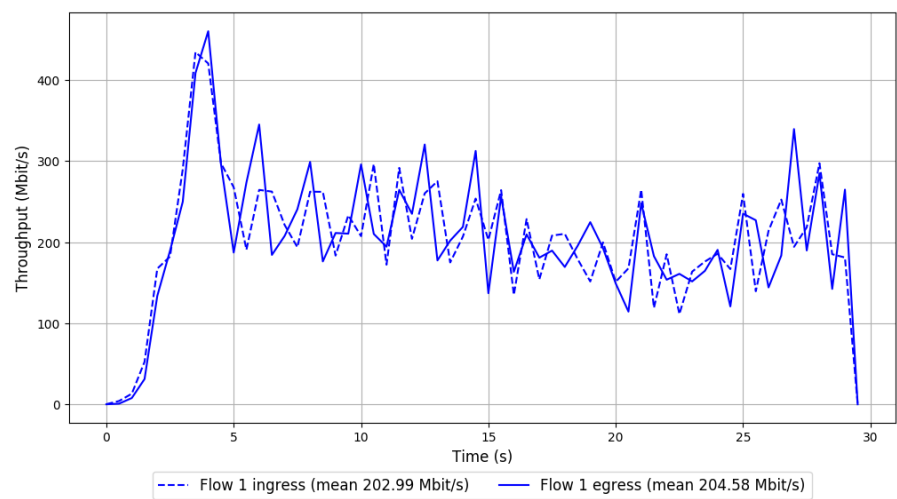
-- Flow 1:

Average throughput: 204.58 Mbit/s

95th percentile per-packet one-way delay: 133.259 ms

Loss rate: 0.01%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2017-09-21 09:58:00

End at: 2017-09-21 09:58:30

Below is generated by plot.py at 2017-09-21 13:27:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.84 Mbit/s

95th percentile per-packet one-way delay: 179.470 ms

Loss rate: 1.07%

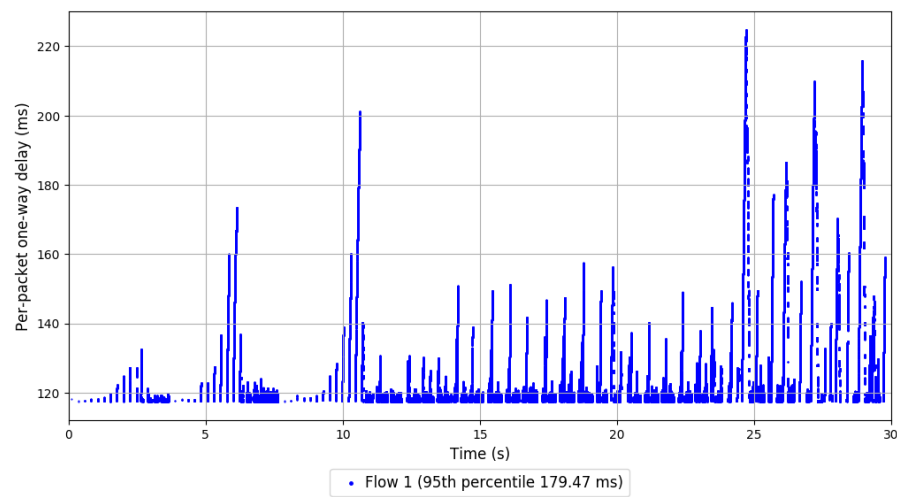
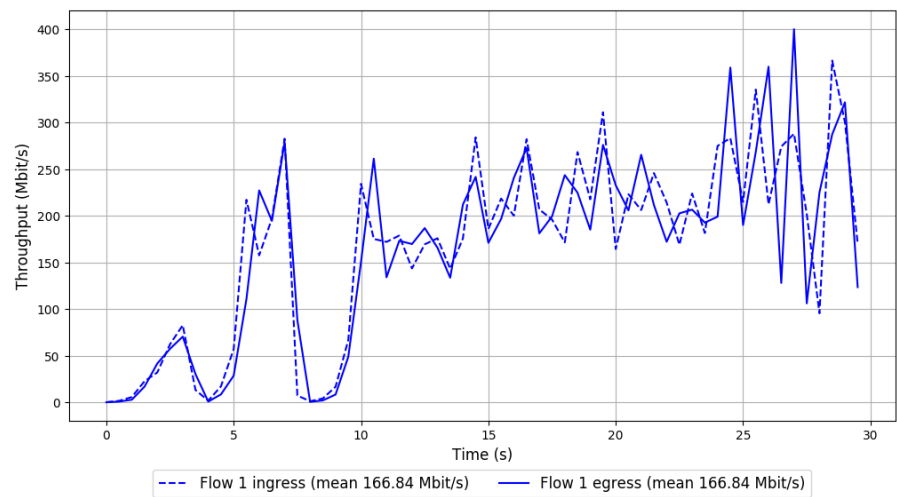
-- Flow 1:

Average throughput: 166.84 Mbit/s

95th percentile per-packet one-way delay: 179.470 ms

Loss rate: 1.07%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

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

End at: 2017-09-21 10:09:47

Below is generated by plot.py at 2017-09-21 13:27:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.12 Mbit/s

95th percentile per-packet one-way delay: 330.300 ms

Loss rate: 15.67%

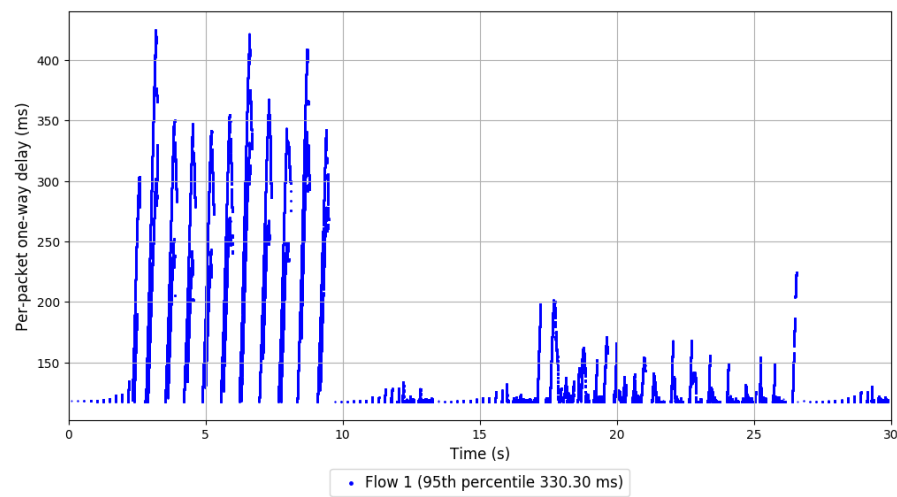
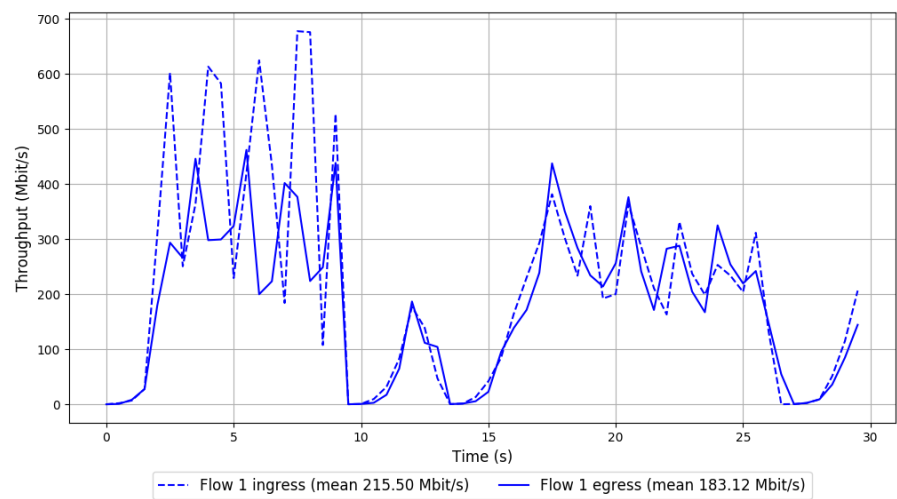
-- Flow 1:

Average throughput: 183.12 Mbit/s

95th percentile per-packet one-way delay: 330.300 ms

Loss rate: 15.67%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2017-09-21 10:20:12

End at: 2017-09-21 10:20:42

Below is generated by plot.py at 2017-09-21 13:27:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.03 Mbit/s

95th percentile per-packet one-way delay: 147.725 ms

Loss rate: 1.37%

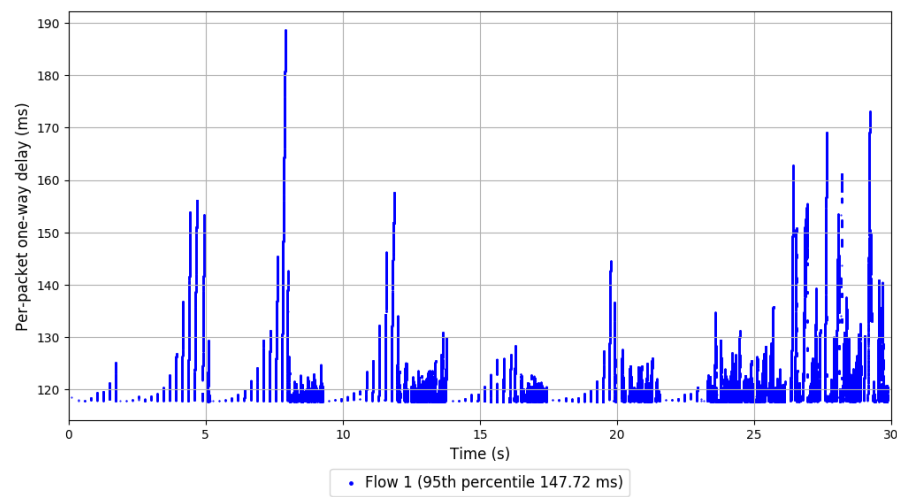
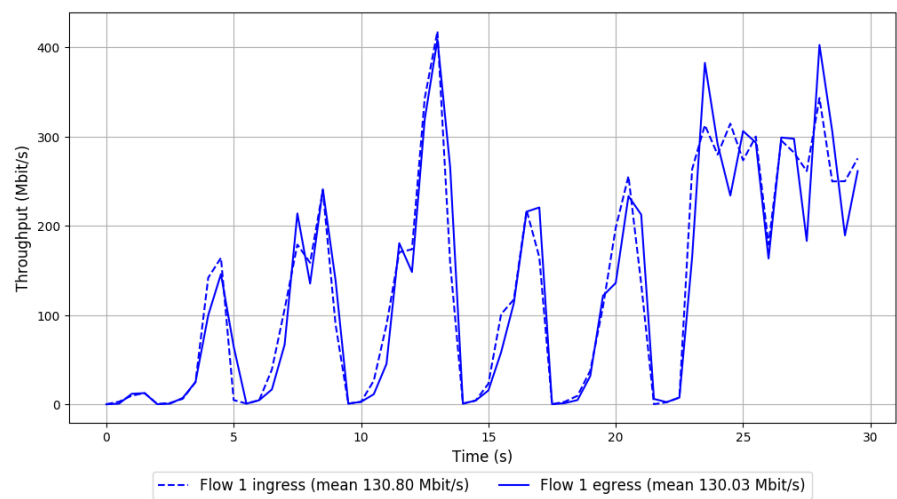
-- Flow 1:

Average throughput: 130.03 Mbit/s

95th percentile per-packet one-way delay: 147.725 ms

Loss rate: 1.37%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2017-09-21 10:31:24

End at: 2017-09-21 10:31:54

Below is generated by plot.py at 2017-09-21 13:27:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.08 Mbit/s

95th percentile per-packet one-way delay: 252.802 ms

Loss rate: 4.17%

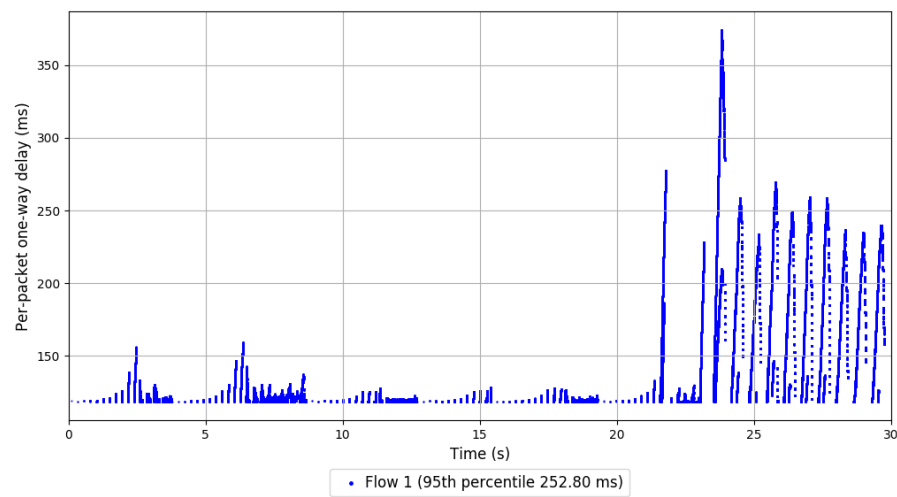
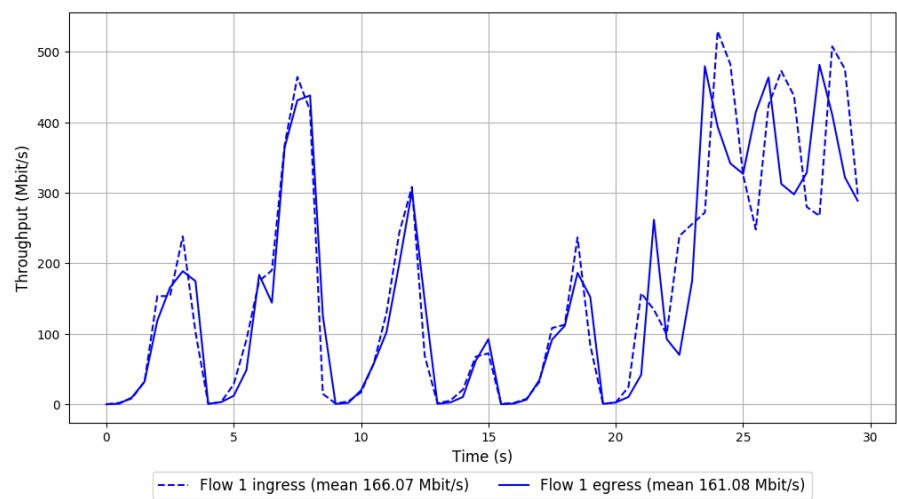
-- Flow 1:

Average throughput: 161.08 Mbit/s

95th percentile per-packet one-way delay: 252.802 ms

Loss rate: 4.17%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2017-09-21 10:42:36

End at: 2017-09-21 10:43:06

Below is generated by plot.py at 2017-09-21 13:27:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.25 Mbit/s

95th percentile per-packet one-way delay: 149.839 ms

Loss rate: 3.30%

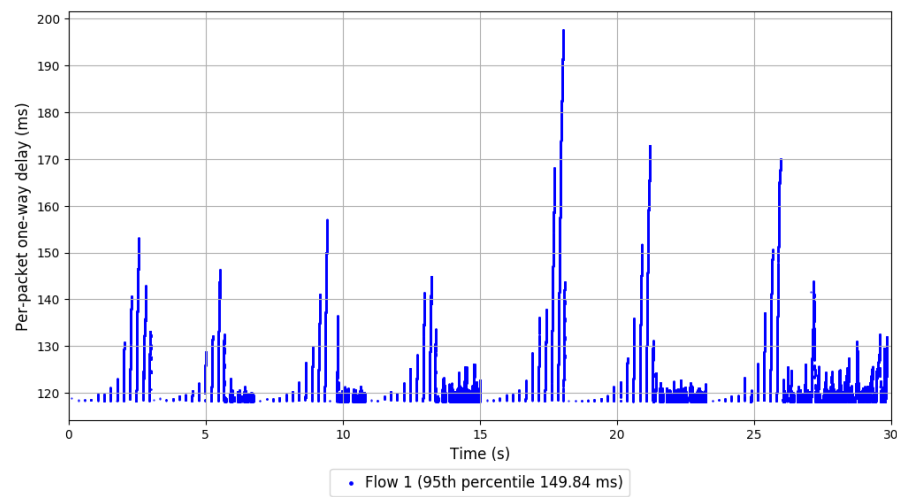
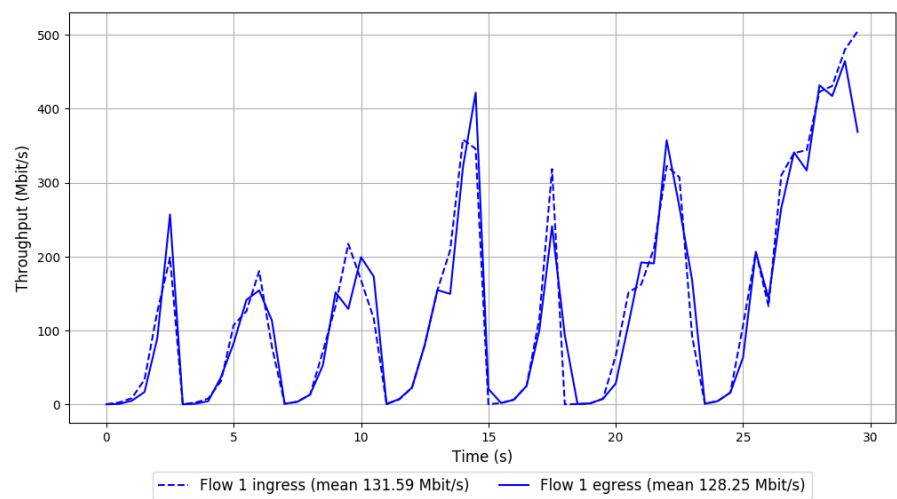
-- Flow 1:

Average throughput: 128.25 Mbit/s

95th percentile per-packet one-way delay: 149.839 ms

Loss rate: 3.30%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-09-21 10:53:50

End at: 2017-09-21 10:54:20

Below is generated by plot.py at 2017-09-21 13:29:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.65 Mbit/s

95th percentile per-packet one-way delay: 216.068 ms

Loss rate: 4.93%

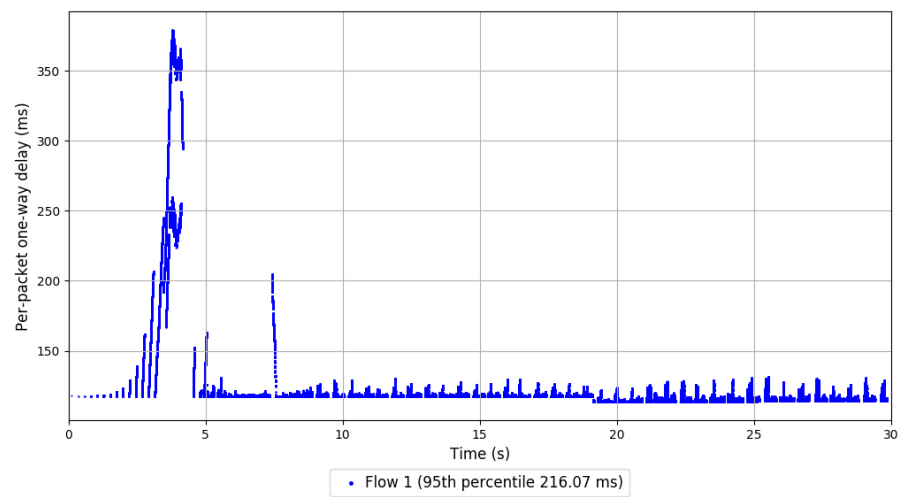
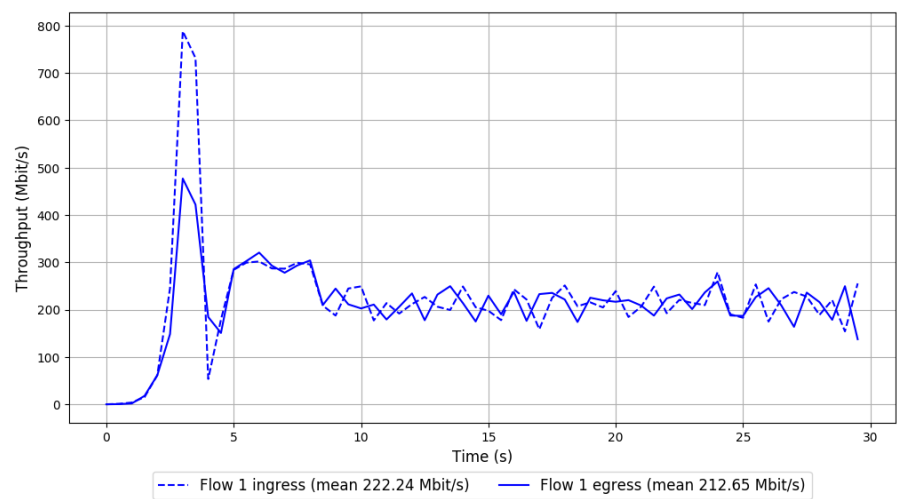
-- Flow 1:

Average throughput: 212.65 Mbit/s

95th percentile per-packet one-way delay: 216.068 ms

Loss rate: 4.93%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-09-21 11:04:43

End at: 2017-09-21 11:05:13

Below is generated by plot.py at 2017-09-21 13:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.29 Mbit/s

95th percentile per-packet one-way delay: 165.164 ms

Loss rate: 1.20%

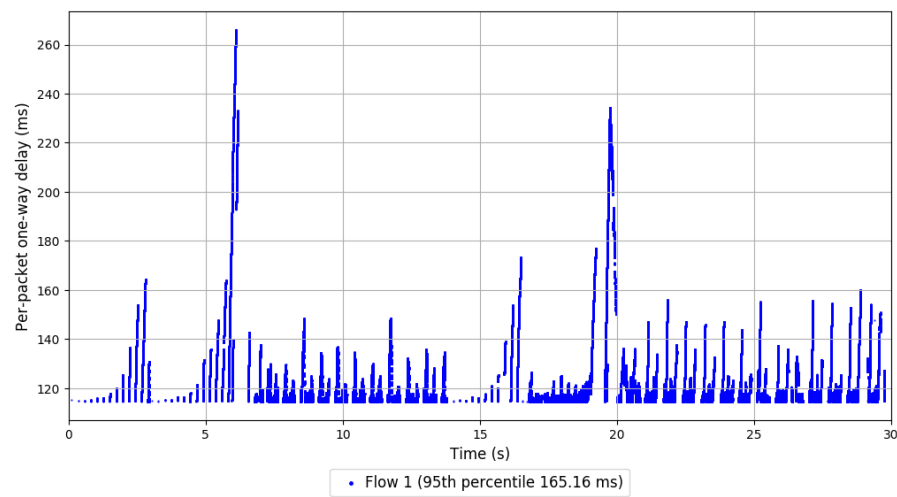
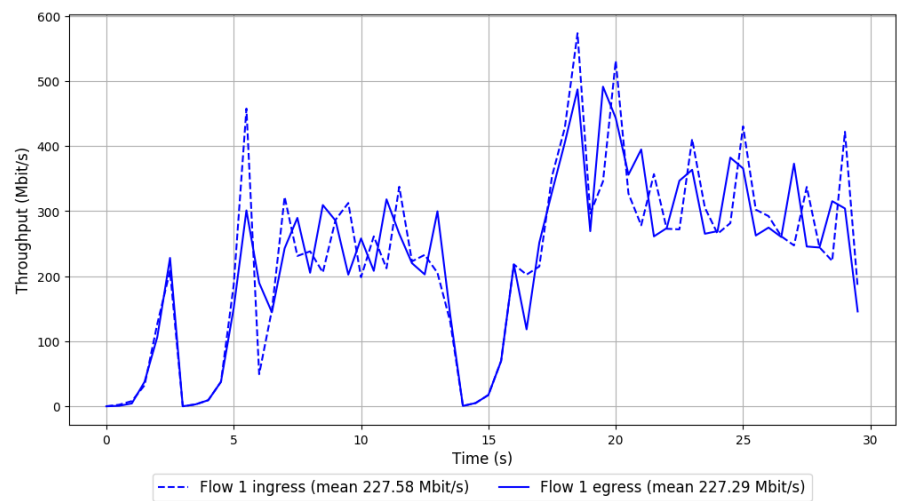
-- Flow 1:

Average throughput: 227.29 Mbit/s

95th percentile per-packet one-way delay: 165.164 ms

Loss rate: 1.20%

Run 10: Report of Verus — Data Link

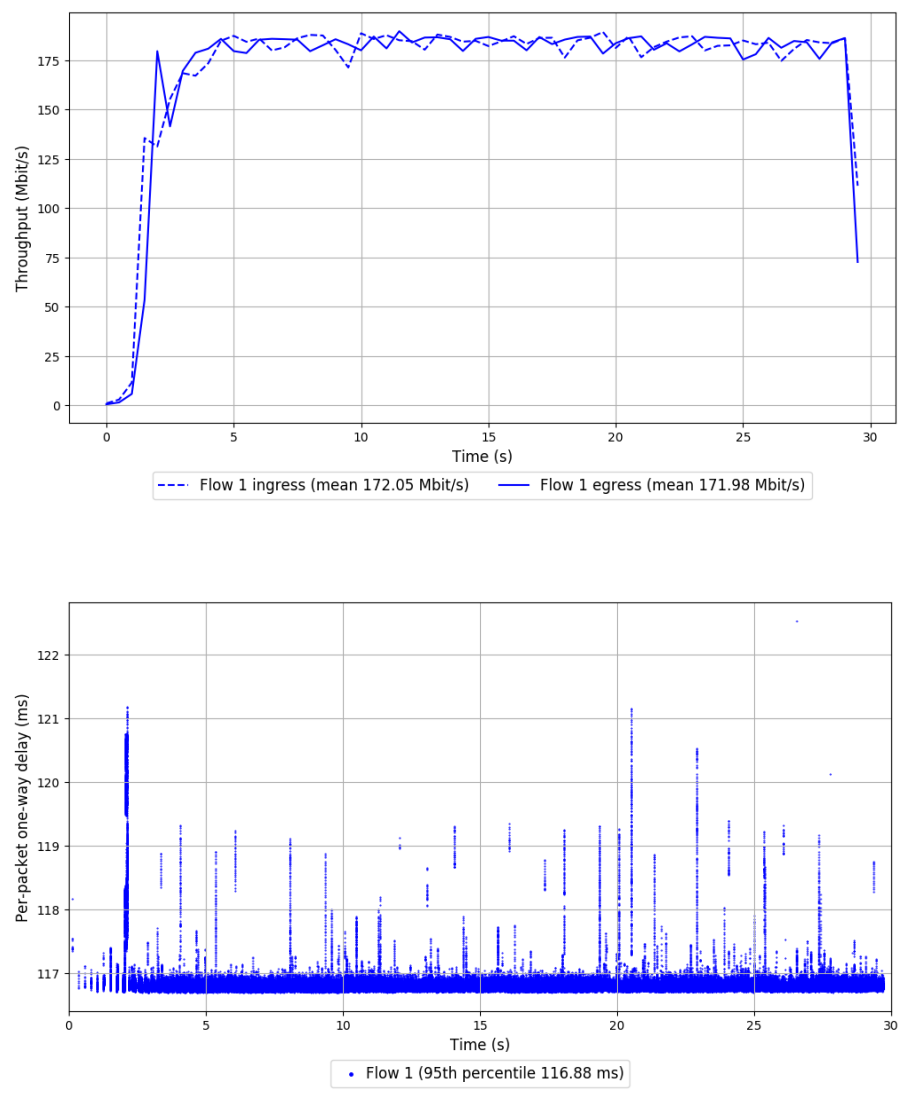


```
Run 1: Statistics of Indigo

Start at: 2017-09-21 09:26:07
End at: 2017-09-21 09:26:37

# Below is generated by plot.py at 2017-09-21 13:30:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 171.98 Mbit/s
95th percentile per-packet one-way delay: 116.880 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 171.98 Mbit/s
95th percentile per-packet one-way delay: 116.880 ms
Loss rate: 0.82%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-09-21 09:37:32

End at: 2017-09-21 09:38:02

Below is generated by plot.py at 2017-09-21 13:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.95 Mbit/s

95th percentile per-packet one-way delay: 117.168 ms

Loss rate: 0.82%

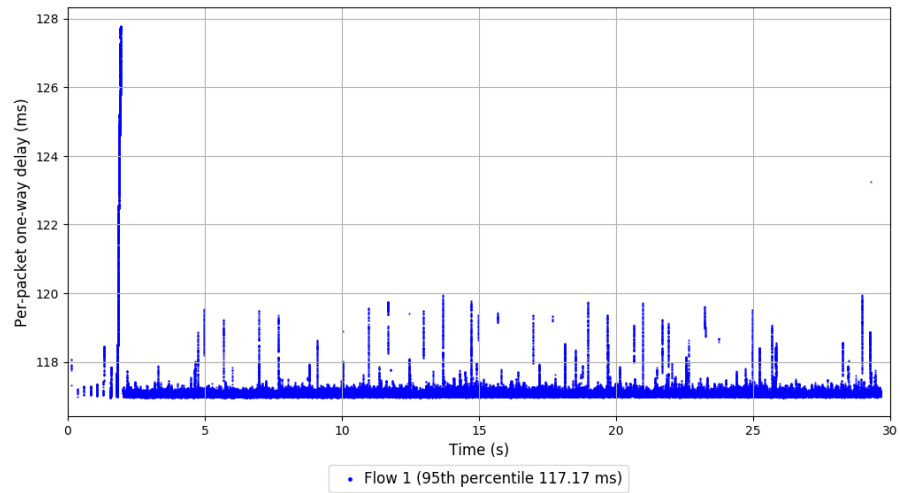
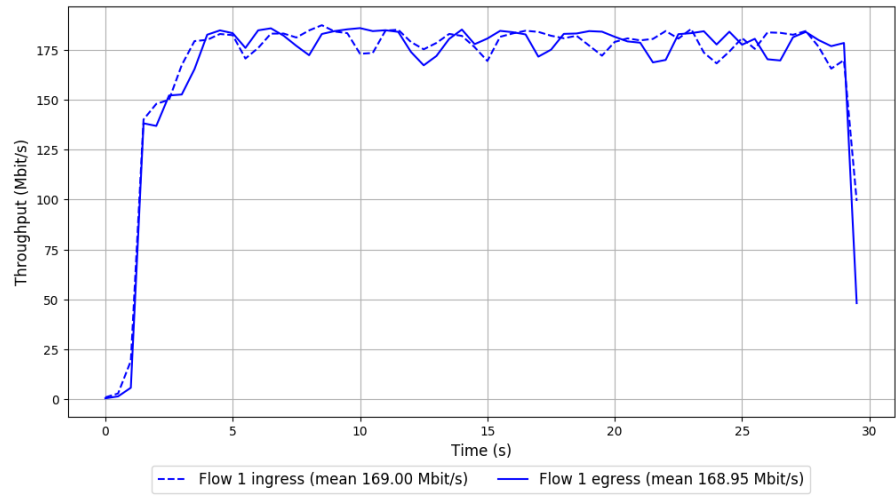
-- Flow 1:

Average throughput: 168.95 Mbit/s

95th percentile per-packet one-way delay: 117.168 ms

Loss rate: 0.82%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-09-21 09:48:36

End at: 2017-09-21 09:49:06

Below is generated by plot.py at 2017-09-21 13:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.07 Mbit/s

95th percentile per-packet one-way delay: 117.341 ms

Loss rate: 0.85%

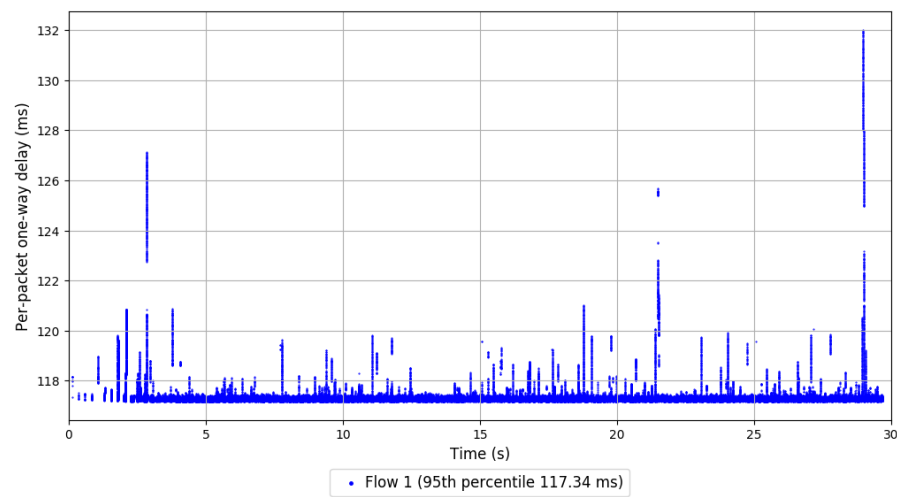
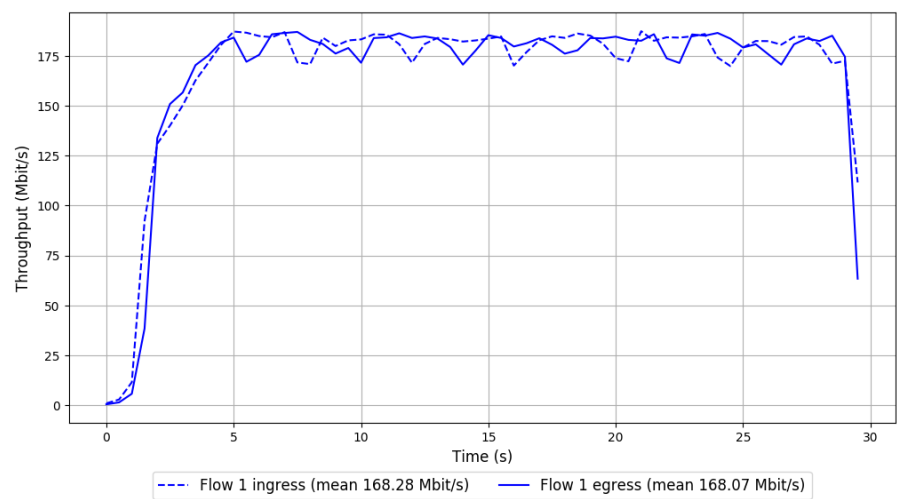
-- Flow 1:

Average throughput: 168.07 Mbit/s

95th percentile per-packet one-way delay: 117.341 ms

Loss rate: 0.85%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2017-09-21 09:59:36

End at: 2017-09-21 10:00:06

Below is generated by plot.py at 2017-09-21 13:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.17 Mbit/s

95th percentile per-packet one-way delay: 117.613 ms

Loss rate: 0.83%

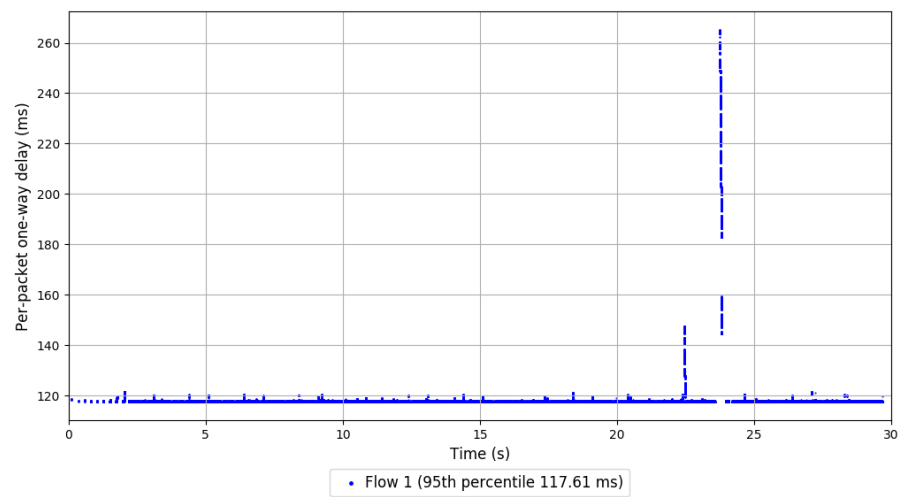
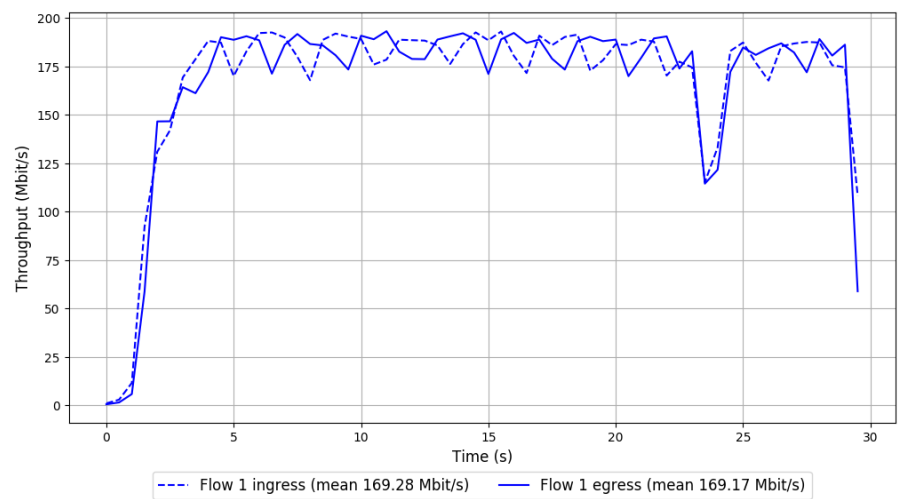
-- Flow 1:

Average throughput: 169.17 Mbit/s

95th percentile per-packet one-way delay: 117.613 ms

Loss rate: 0.83%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2017-09-21 10:10:54

End at: 2017-09-21 10:11:24

Below is generated by plot.py at 2017-09-21 13:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.00 Mbit/s

95th percentile per-packet one-way delay: 117.716 ms

Loss rate: 0.84%

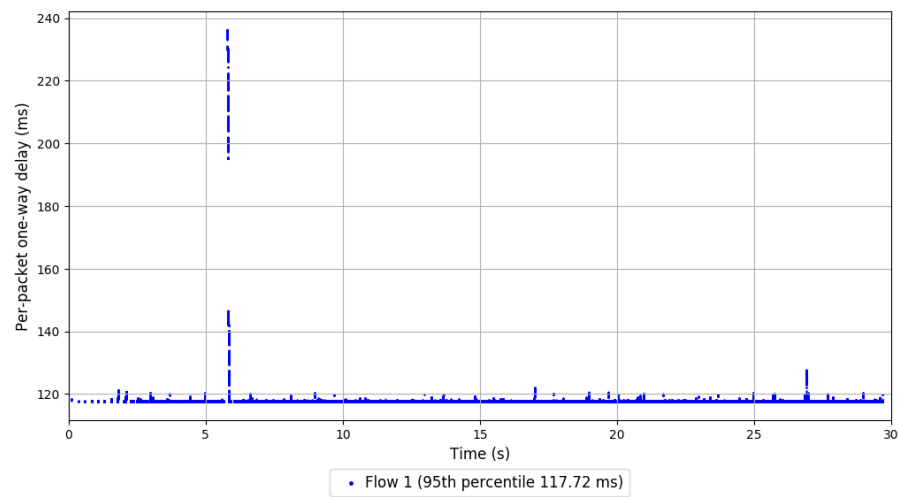
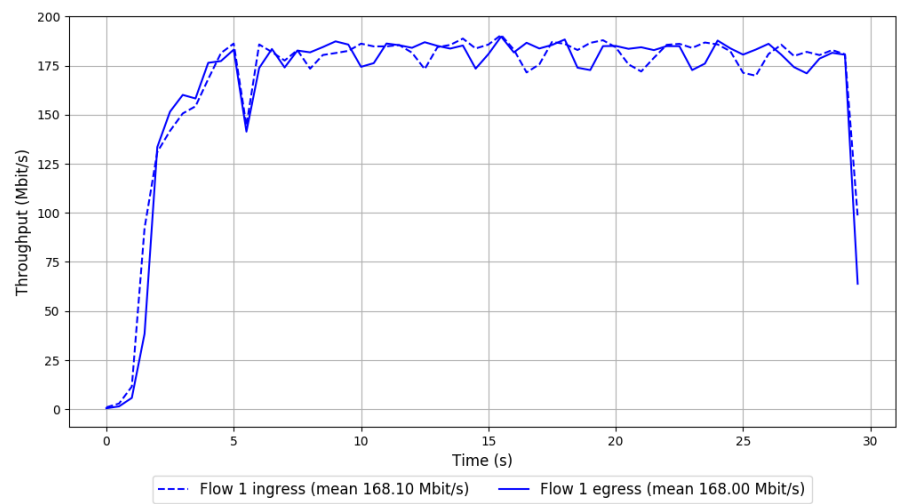
-- Flow 1:

Average throughput: 168.00 Mbit/s

95th percentile per-packet one-way delay: 117.716 ms

Loss rate: 0.84%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-09-21 10:21:45

End at: 2017-09-21 10:22:15

Below is generated by plot.py at 2017-09-21 13:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.15 Mbit/s

95th percentile per-packet one-way delay: 117.831 ms

Loss rate: 0.90%

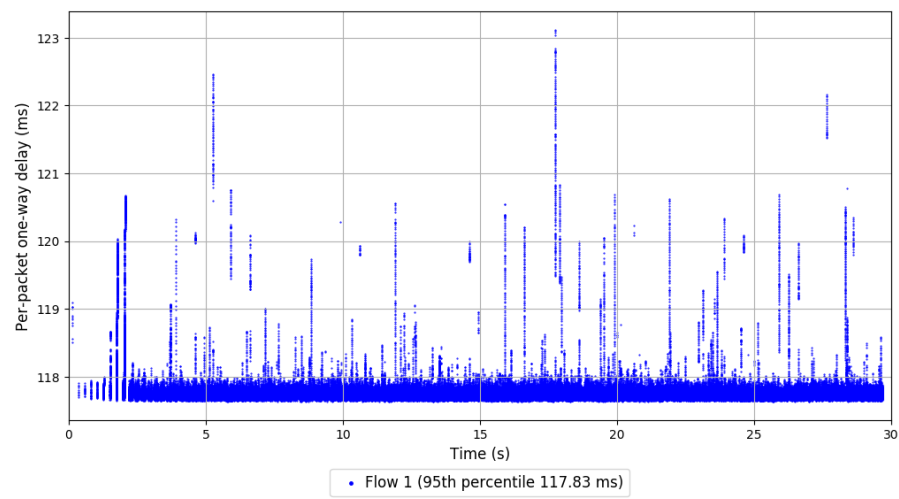
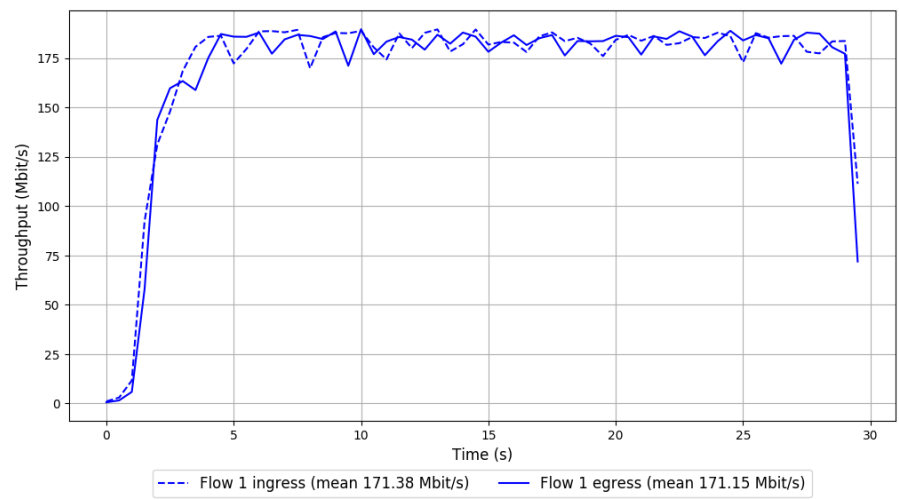
-- Flow 1:

Average throughput: 171.15 Mbit/s

95th percentile per-packet one-way delay: 117.831 ms

Loss rate: 0.90%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-09-21 10:32:59

End at: 2017-09-21 10:33:29

Below is generated by plot.py at 2017-09-21 13:32:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.40 Mbit/s

95th percentile per-packet one-way delay: 118.249 ms

Loss rate: 0.85%

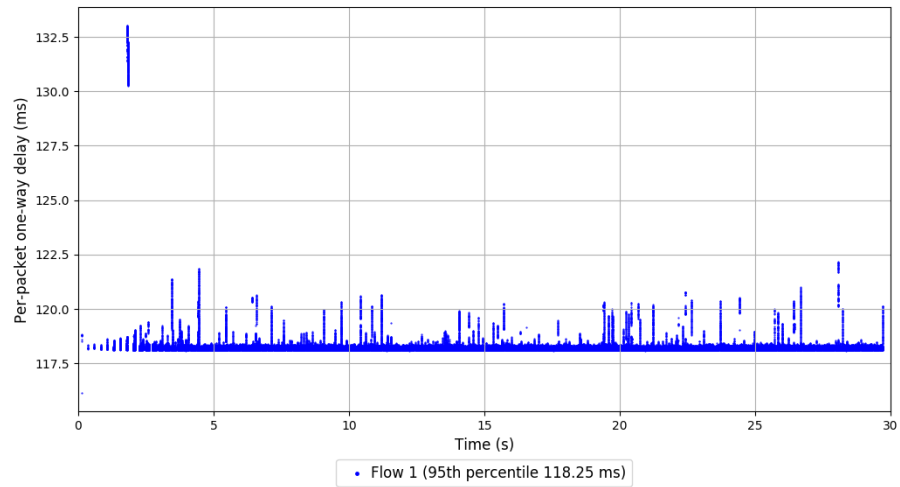
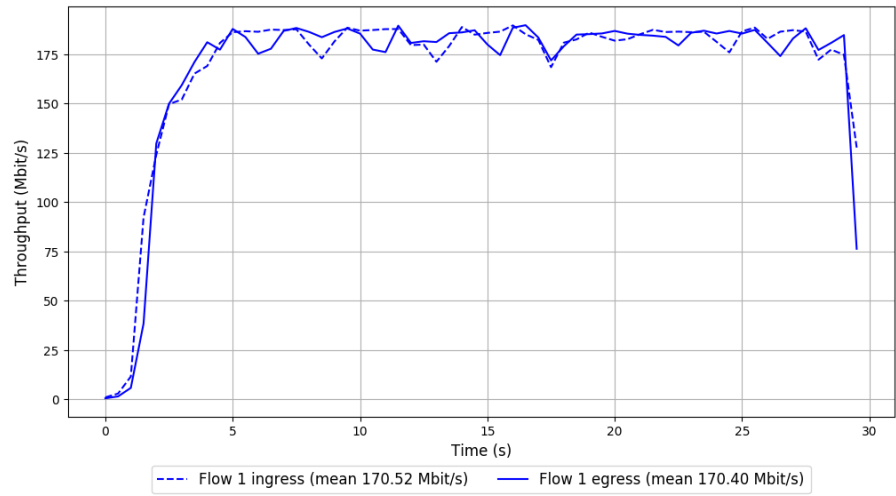
-- Flow 1:

Average throughput: 170.40 Mbit/s

95th percentile per-packet one-way delay: 118.249 ms

Loss rate: 0.85%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-09-21 10:44:09

End at: 2017-09-21 10:44:39

Below is generated by plot.py at 2017-09-21 13:32:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.37 Mbit/s

95th percentile per-packet one-way delay: 118.272 ms

Loss rate: 0.81%

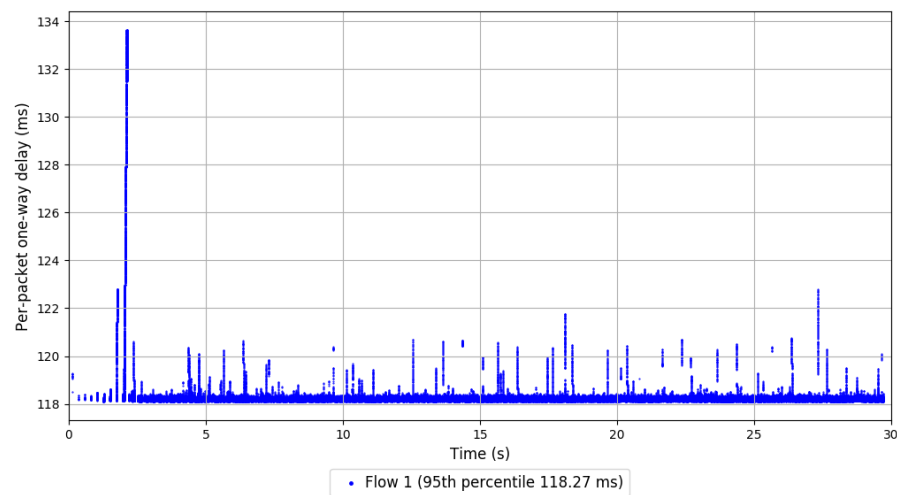
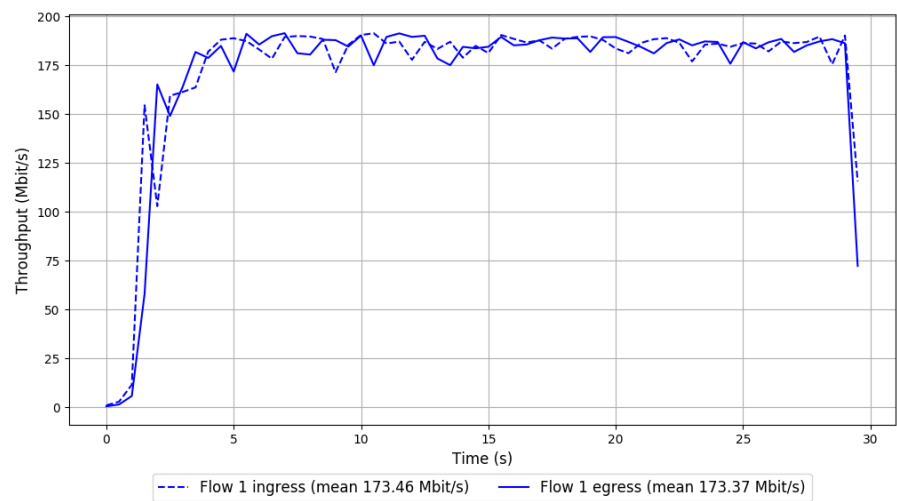
-- Flow 1:

Average throughput: 173.37 Mbit/s

95th percentile per-packet one-way delay: 118.272 ms

Loss rate: 0.81%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2017-09-21 10:55:27

End at: 2017-09-21 10:55:57

Below is generated by plot.py at 2017-09-21 13:32:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.62 Mbit/s

95th percentile per-packet one-way delay: 114.550 ms

Loss rate: 0.77%

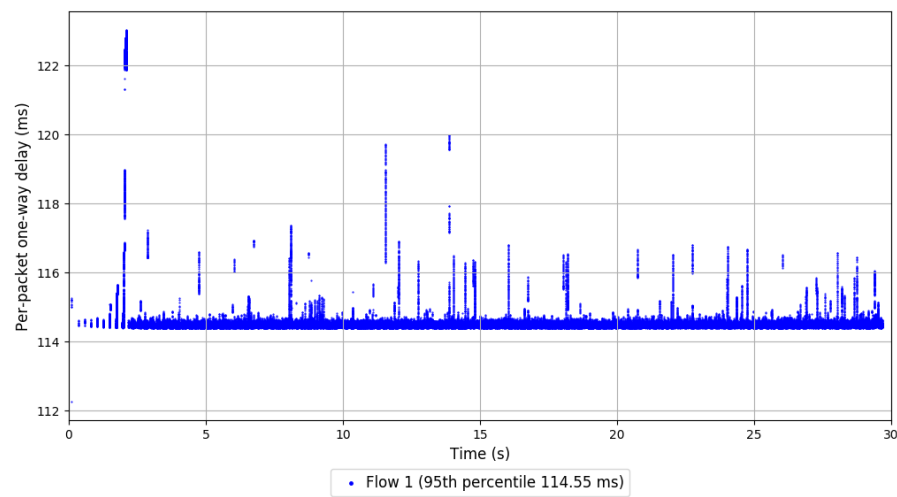
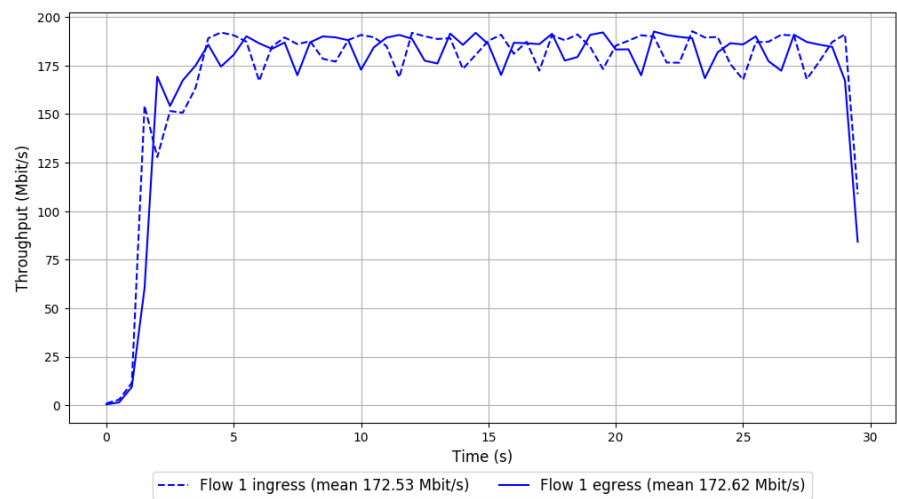
-- Flow 1:

Average throughput: 172.62 Mbit/s

95th percentile per-packet one-way delay: 114.550 ms

Loss rate: 0.77%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-09-21 11:06:21

End at: 2017-09-21 11:06:52

Below is generated by plot.py at 2017-09-21 13:32:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.96 Mbit/s

95th percentile per-packet one-way delay: 114.608 ms

Loss rate: 0.84%

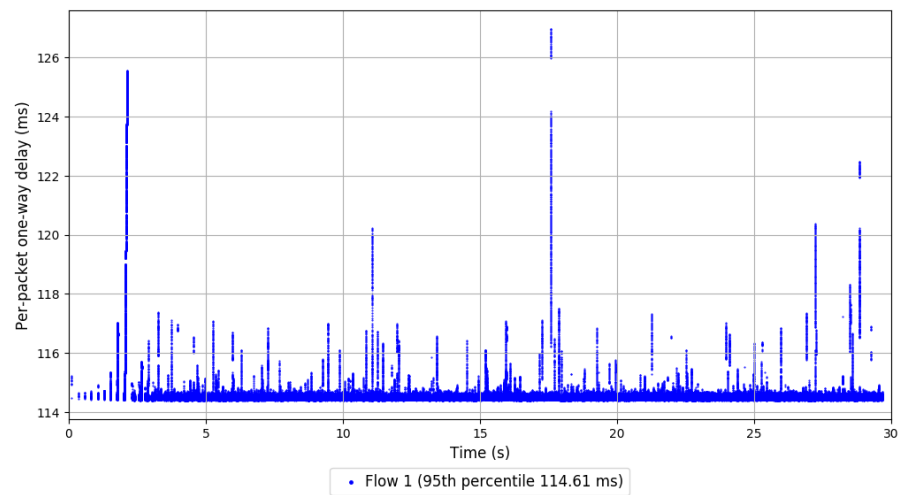
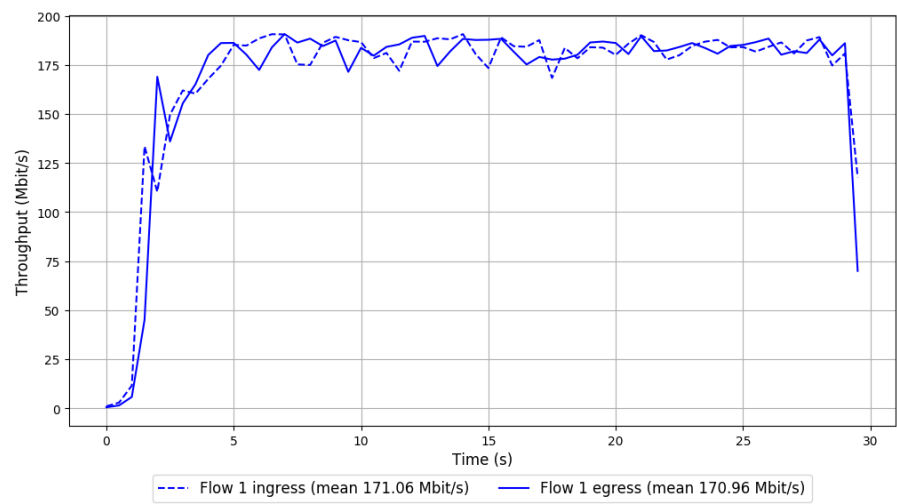
-- Flow 1:

Average throughput: 170.96 Mbit/s

95th percentile per-packet one-way delay: 114.608 ms

Loss rate: 0.84%

Run 10: Report of Indigo — Data Link

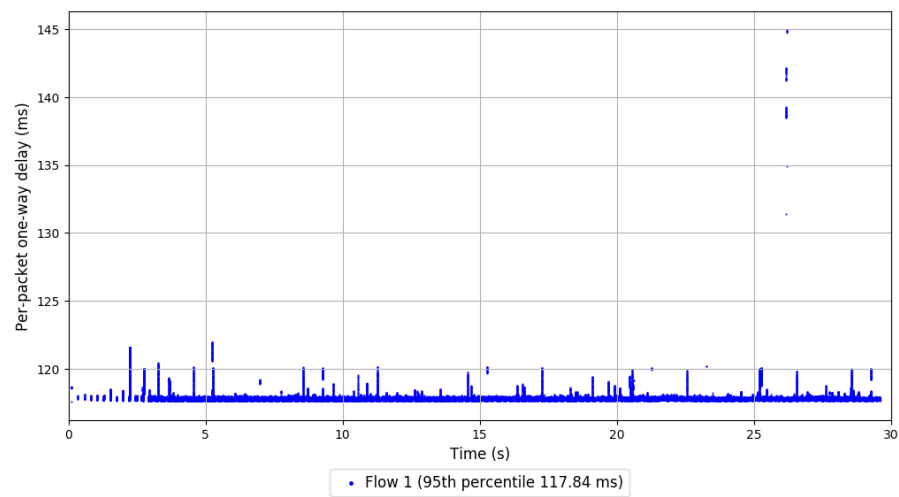
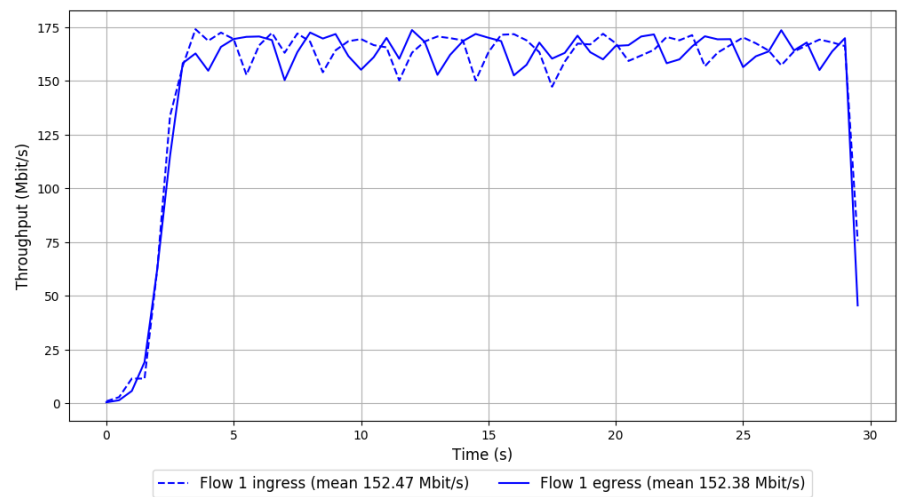


```
Run 1: Statistics of Indigo-calib

Start at: 2017-09-21 09:22:10
End at: 2017-09-21 09:22:40

# Below is generated by plot.py at 2017-09-21 13:32:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 152.38 Mbit/s
95th percentile per-packet one-way delay: 117.836 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 152.38 Mbit/s
95th percentile per-packet one-way delay: 117.836 ms
Loss rate: 0.83%
```


Run 1: Report of Indigo-calib — Data Link

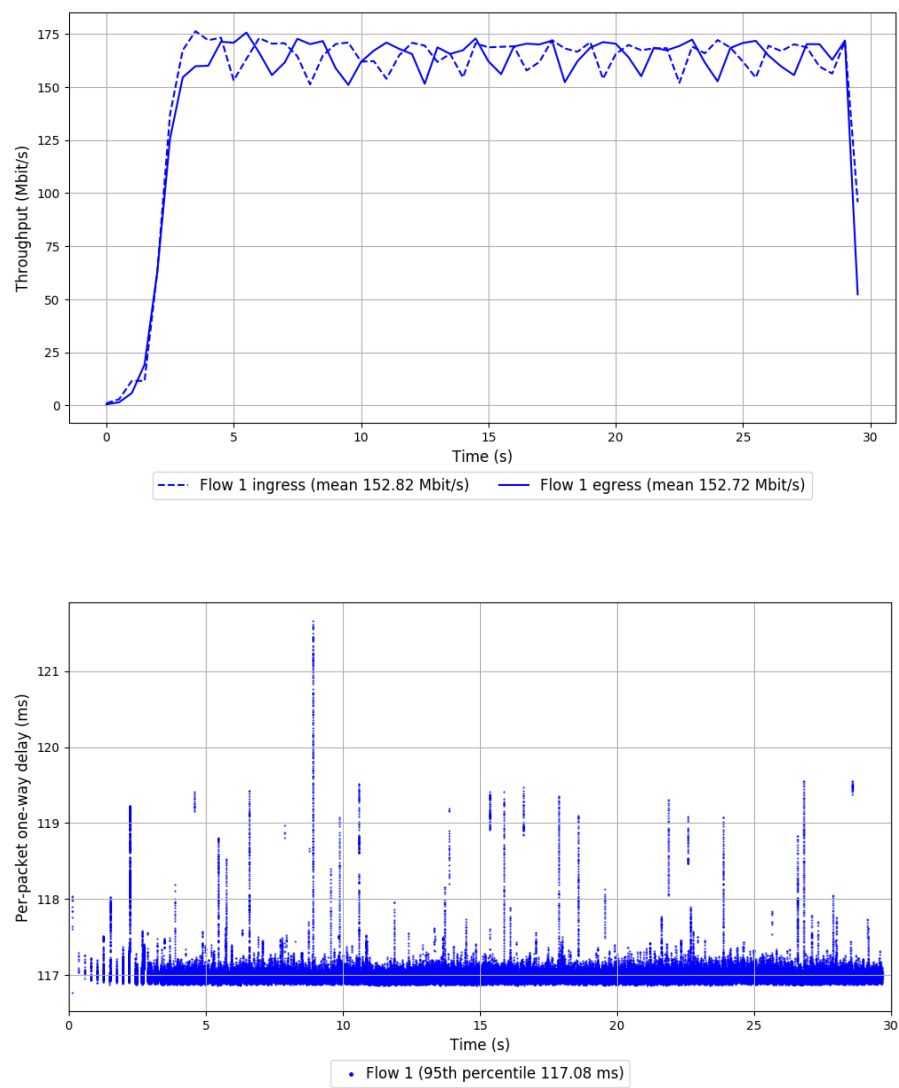


```
Run 2: Statistics of Indigo-calib

Start at: 2017-09-21 09:33:27
End at: 2017-09-21 09:33:57

# Below is generated by plot.py at 2017-09-21 13:32:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 152.72 Mbit/s
95th percentile per-packet one-way delay: 117.080 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 152.72 Mbit/s
95th percentile per-packet one-way delay: 117.080 ms
Loss rate: 0.83%
```

Run 2: Report of Indigo-calib — Data Link



Run 3: Statistics of Indigo-calib

Start at: 2017-09-21 09:44:32

End at: 2017-09-21 09:45:02

Below is generated by plot.py at 2017-09-21 13:33:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.85 Mbit/s

95th percentile per-packet one-way delay: 117.326 ms

Loss rate: 0.84%

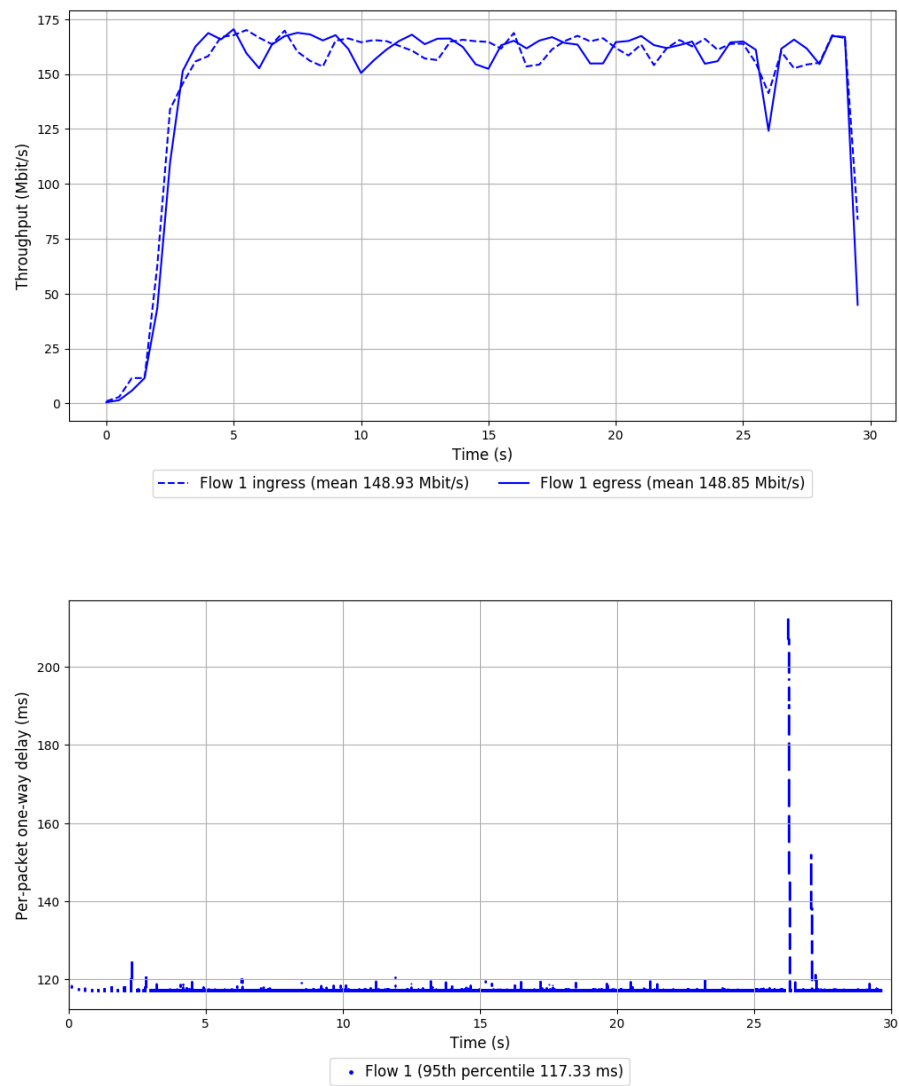
-- Flow 1:

Average throughput: 148.85 Mbit/s

95th percentile per-packet one-way delay: 117.326 ms

Loss rate: 0.84%

Run 3: Report of Indigo-calib — Data Link



Run 4: Statistics of Indigo-calib

Start at: 2017-09-21 09:55:35

End at: 2017-09-21 09:56:05

Below is generated by plot.py at 2017-09-21 13:33:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.48 Mbit/s

95th percentile per-packet one-way delay: 117.524 ms

Loss rate: 0.84%

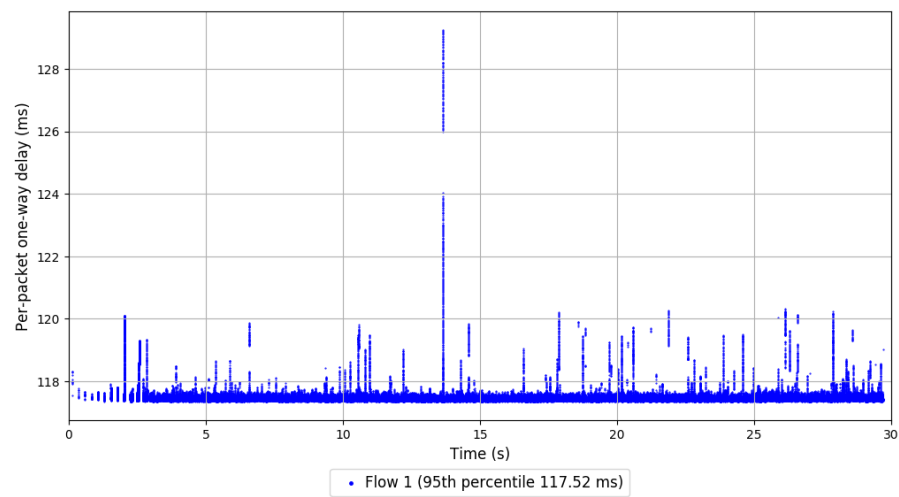
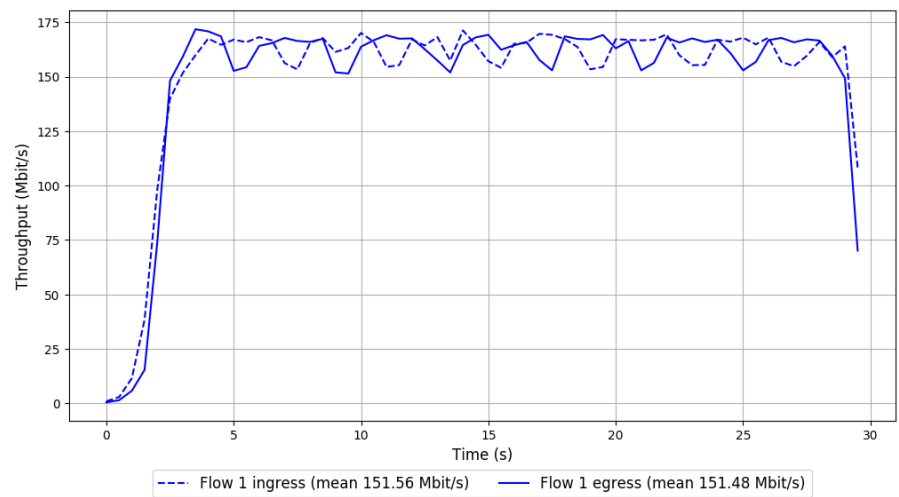
-- Flow 1:

Average throughput: 151.48 Mbit/s

95th percentile per-packet one-way delay: 117.524 ms

Loss rate: 0.84%

Run 4: Report of Indigo-calib — Data Link



Run 5: Statistics of Indigo-calib

Start at: 2017-09-21 10:06:50

End at: 2017-09-21 10:07:20

Below is generated by plot.py at 2017-09-21 13:34:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.44 Mbit/s

95th percentile per-packet one-way delay: 117.670 ms

Loss rate: 0.84%

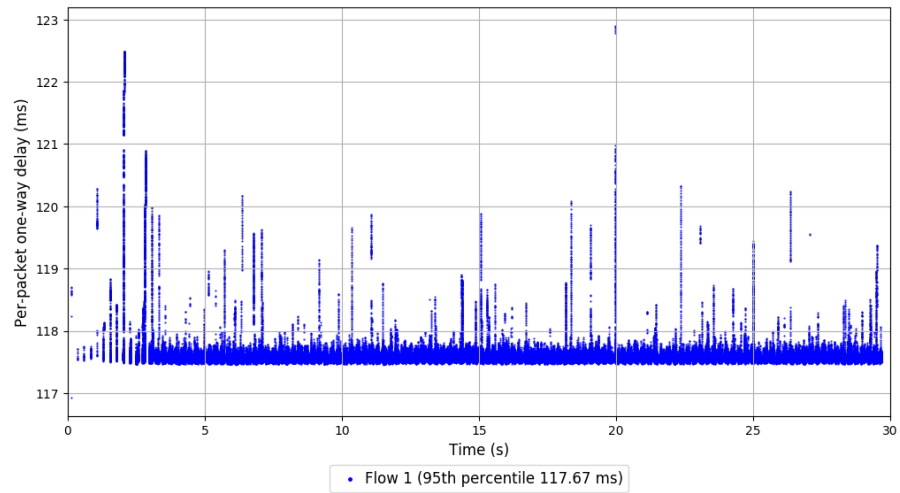
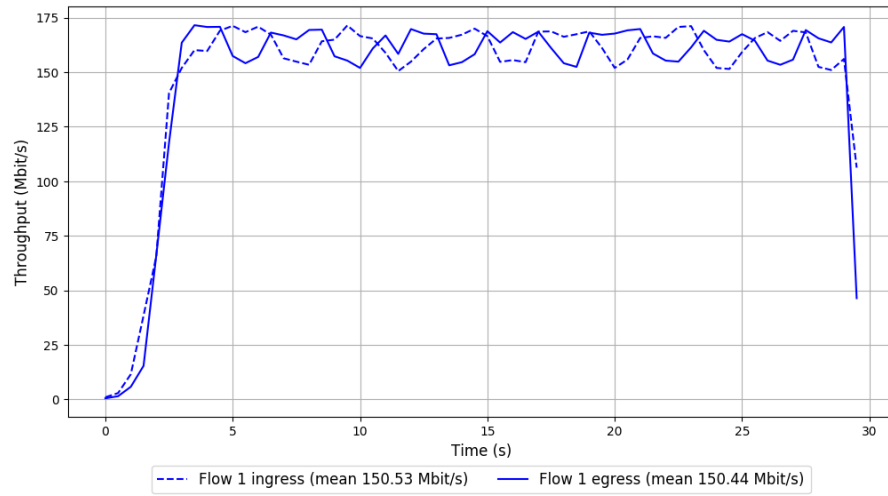
-- Flow 1:

Average throughput: 150.44 Mbit/s

95th percentile per-packet one-way delay: 117.670 ms

Loss rate: 0.84%

Run 5: Report of Indigo-calib — Data Link



Run 6: Statistics of Indigo-calib

Start at: 2017-09-21 10:17:47

End at: 2017-09-21 10:18:17

Below is generated by plot.py at 2017-09-21 13:34:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.08 Mbit/s

95th percentile per-packet one-way delay: 117.815 ms

Loss rate: 0.85%

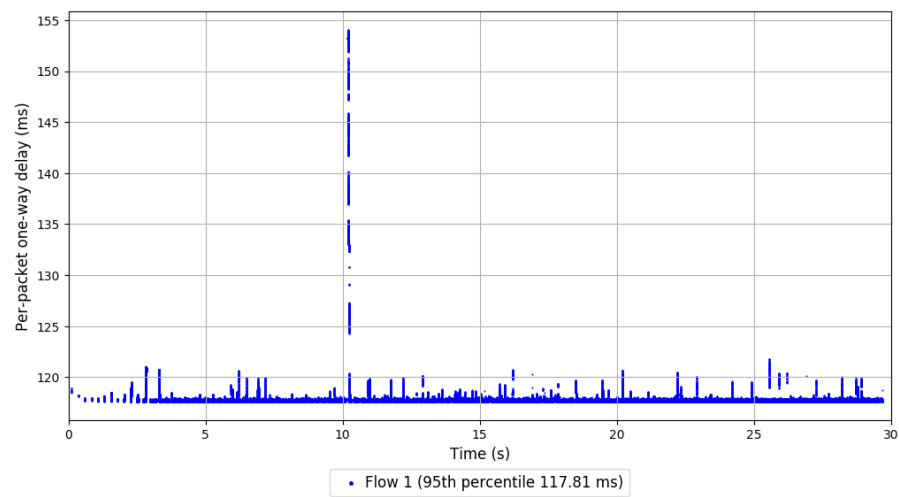
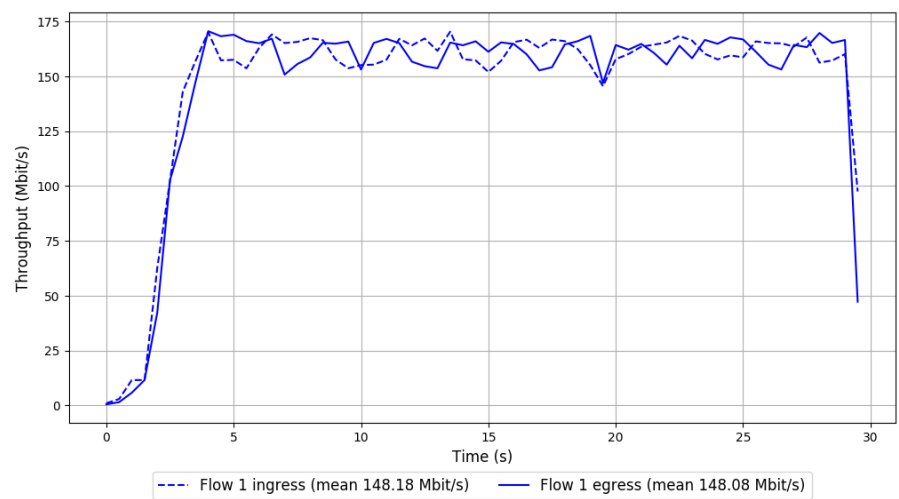
-- Flow 1:

Average throughput: 148.08 Mbit/s

95th percentile per-packet one-way delay: 117.815 ms

Loss rate: 0.85%

Run 6: Report of Indigo-calib — Data Link



Run 7: Statistics of Indigo-calib

Start at: 2017-09-21 10:28:58

End at: 2017-09-21 10:29:28

Below is generated by plot.py at 2017-09-21 13:34:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.73 Mbit/s

95th percentile per-packet one-way delay: 118.233 ms

Loss rate: 0.86%

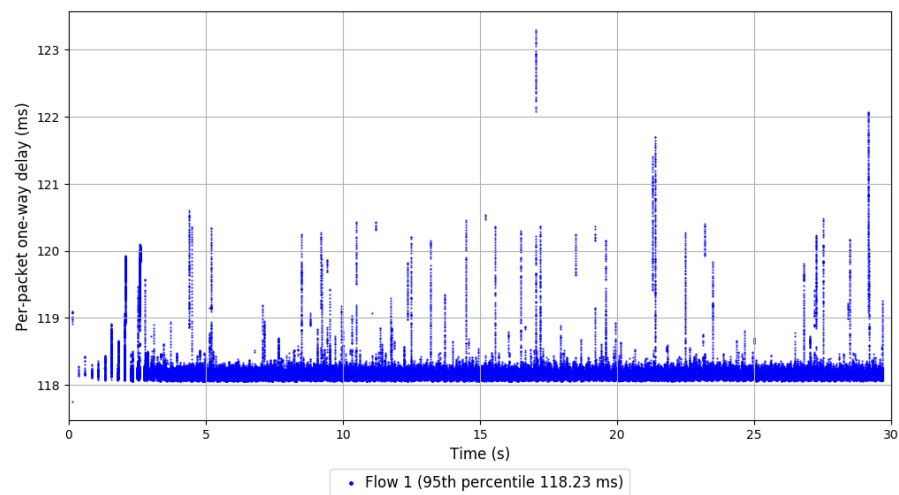
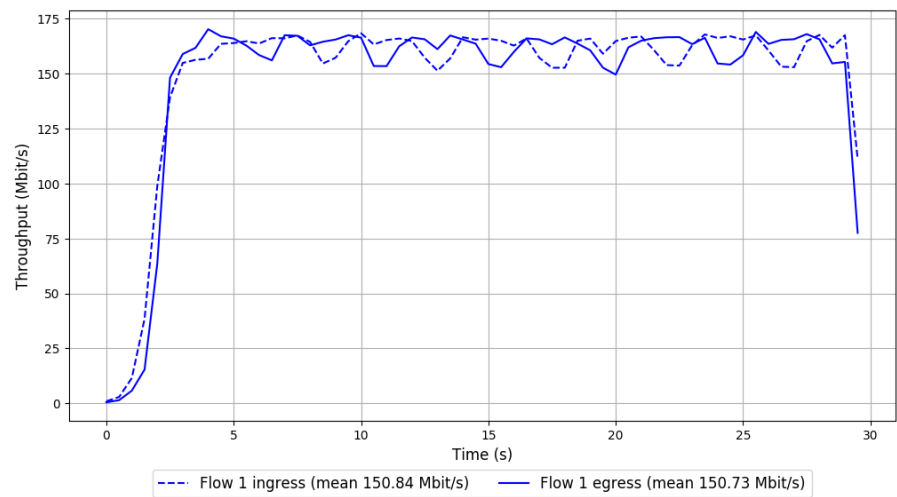
-- Flow 1:

Average throughput: 150.73 Mbit/s

95th percentile per-packet one-way delay: 118.233 ms

Loss rate: 0.86%

Run 7: Report of Indigo-calib — Data Link



Run 8: Statistics of Indigo-calib

Start at: 2017-09-21 10:40:11

End at: 2017-09-21 10:40:41

Below is generated by plot.py at 2017-09-21 13:34:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.97 Mbit/s

95th percentile per-packet one-way delay: 118.281 ms

Loss rate: 0.84%

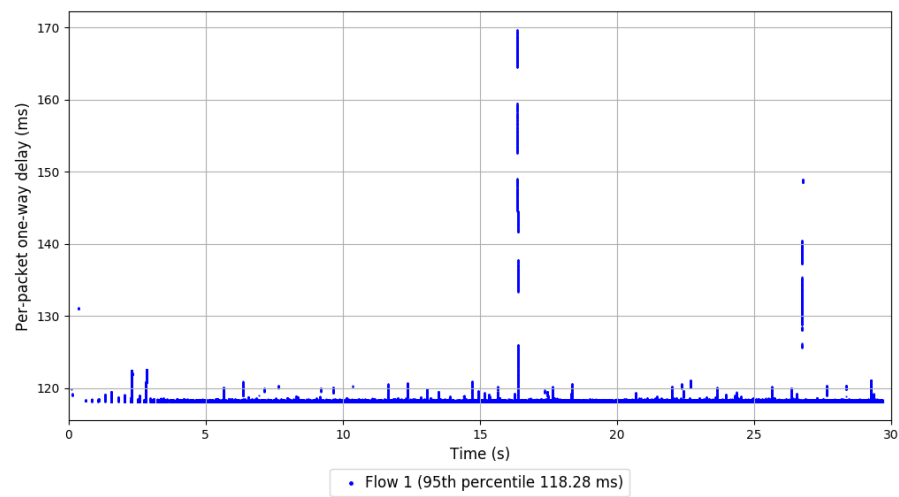
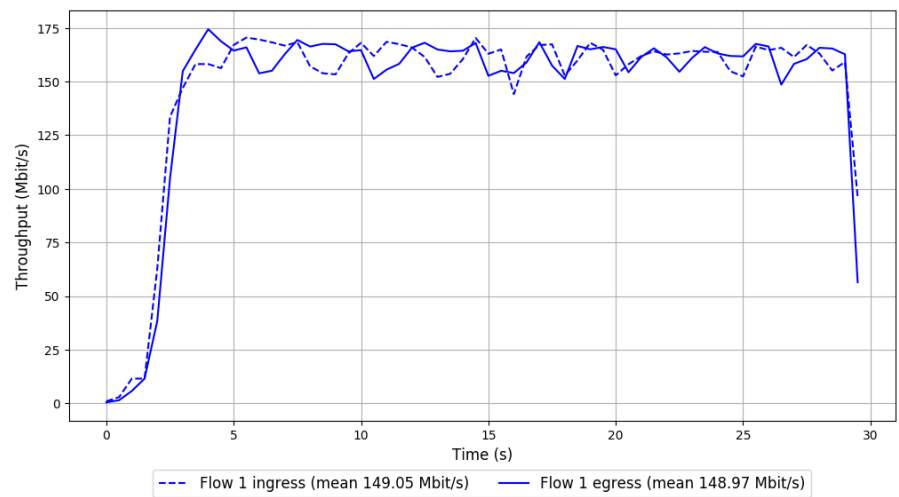
-- Flow 1:

Average throughput: 148.97 Mbit/s

95th percentile per-packet one-way delay: 118.281 ms

Loss rate: 0.84%

Run 8: Report of Indigo-calib — Data Link

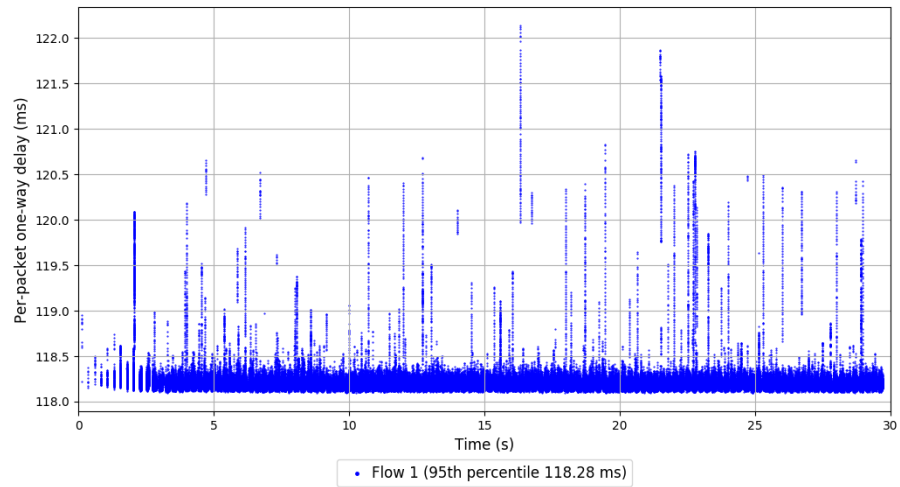
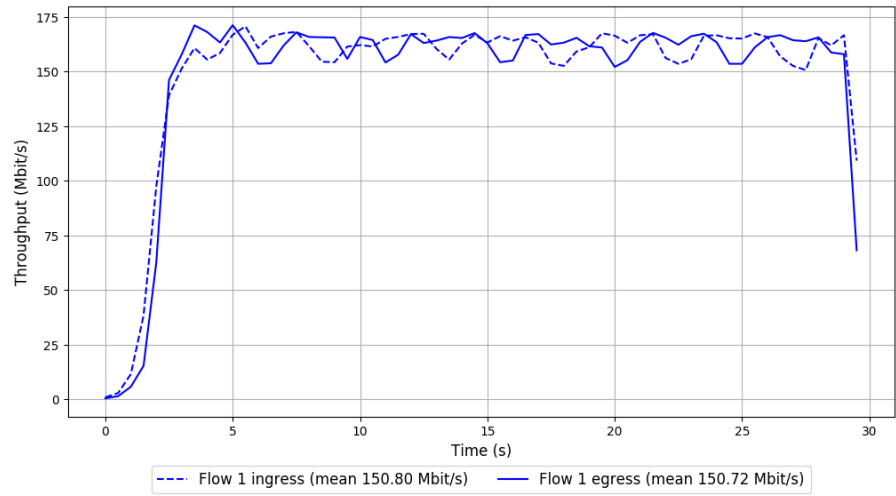


```
Run 9: Statistics of Indigo-calib

Start at: 2017-09-21 10:51:25
End at: 2017-09-21 10:51:55

# Below is generated by plot.py at 2017-09-21 13:34:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 150.72 Mbit/s
95th percentile per-packet one-way delay: 118.276 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 150.72 Mbit/s
95th percentile per-packet one-way delay: 118.276 ms
Loss rate: 0.82%
```


Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-09-21 11:02:19

End at: 2017-09-21 11:02:49

Below is generated by plot.py at 2017-09-21 13:34:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.05 Mbit/s

95th percentile per-packet one-way delay: 114.581 ms

Loss rate: 0.83%

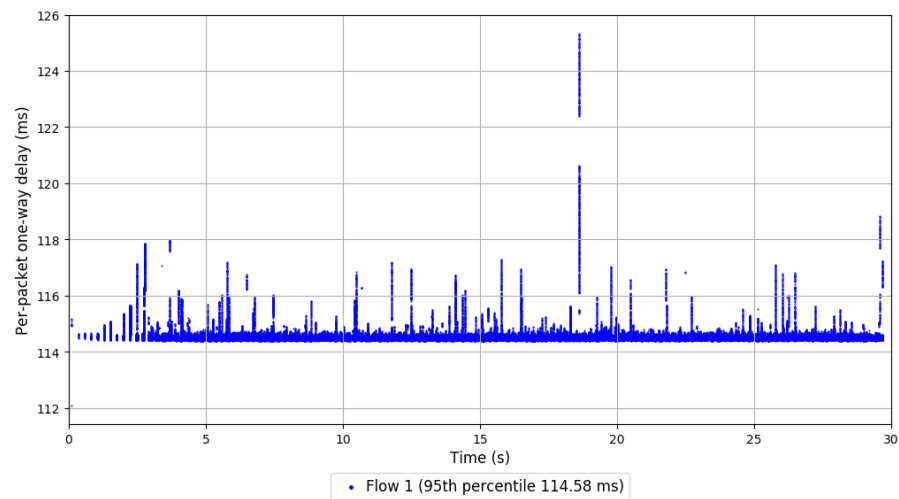
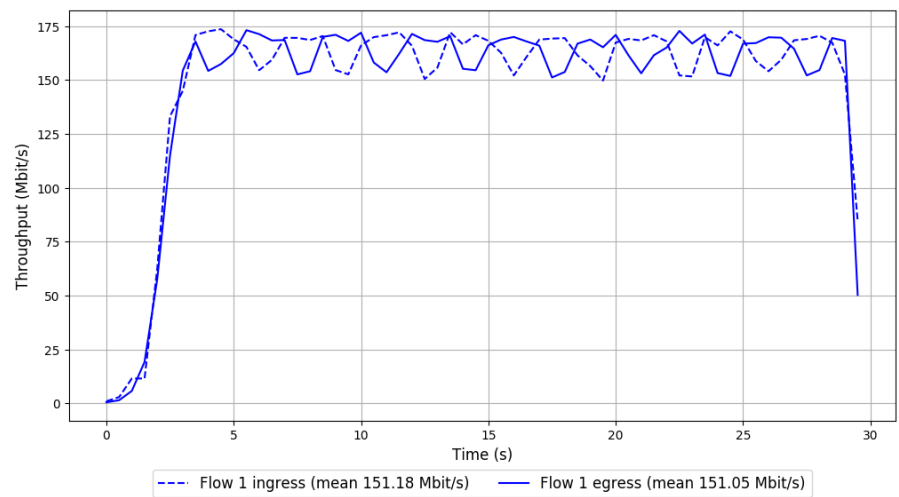
-- Flow 1:

Average throughput: 151.05 Mbit/s

95th percentile per-packet one-way delay: 114.581 ms

Loss rate: 0.83%

Run 10: Report of Indigo-calib — Data Link

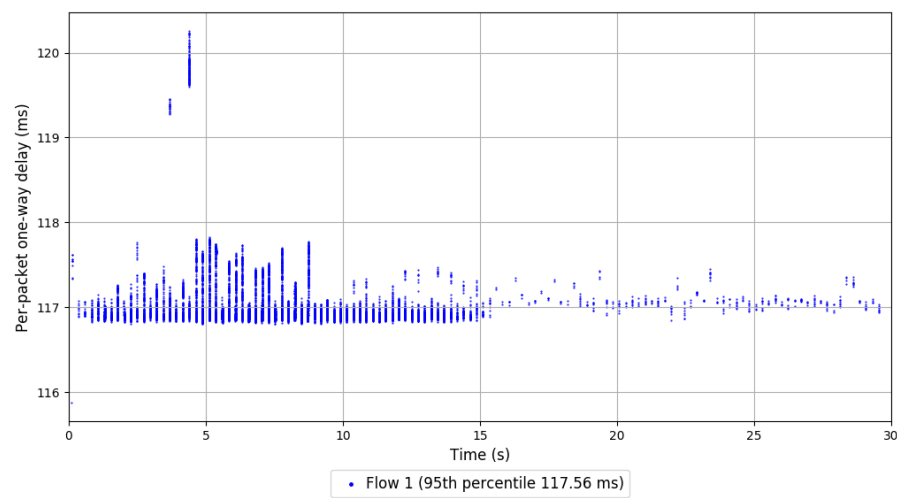
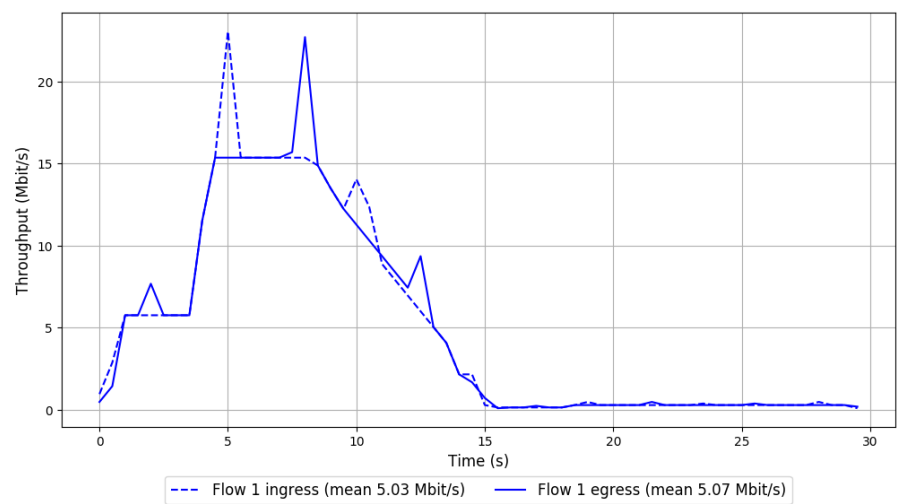


```
Run 1: Statistics of Indigo-delay

Start at: 2017-09-21 09:30:21
End at: 2017-09-21 09:30:51

# Below is generated by plot.py at 2017-09-21 13:34:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 117.560 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 117.560 ms
Loss rate: 0.03%
```

Run 1: Report of Indigo-delay — Data Link

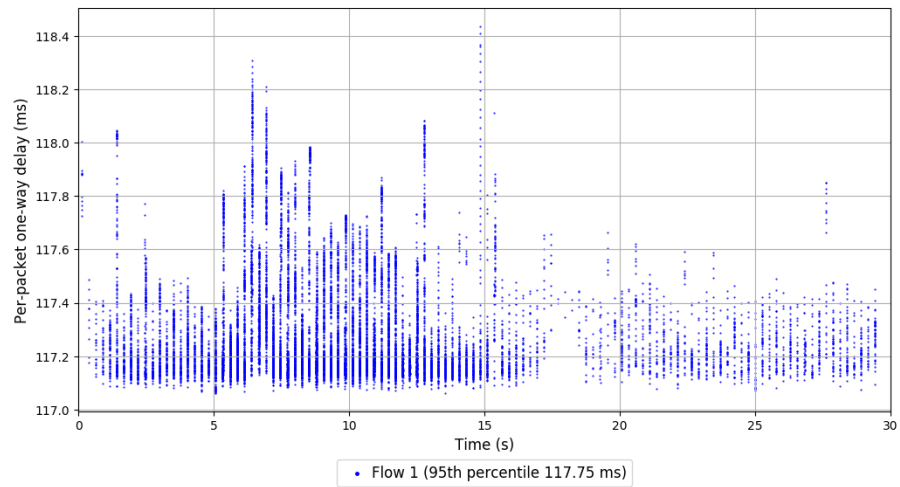
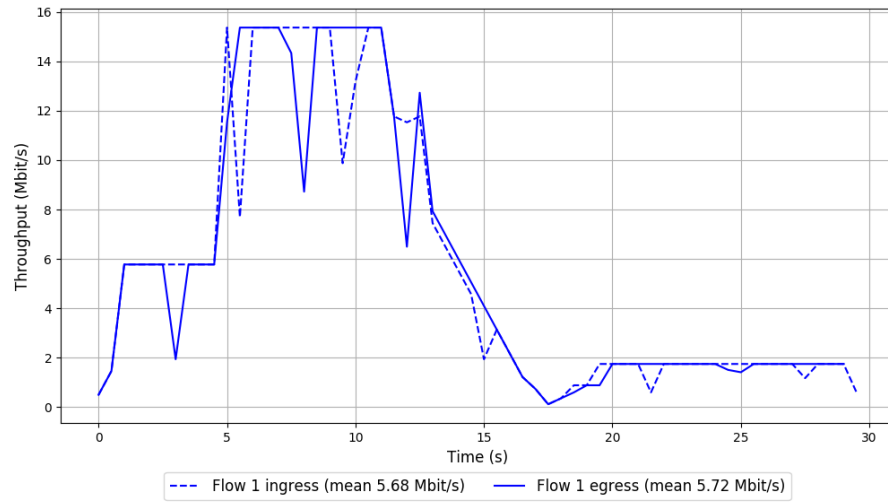


```
Run 2: Statistics of Indigo-delay

Start at: 2017-09-21 09:41:44
End at: 2017-09-21 09:42:14

# Below is generated by plot.py at 2017-09-21 13:34:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 117.749 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 117.749 ms
Loss rate: 0.17%
```

Run 2: Report of Indigo-delay — Data Link



Run 3: Statistics of Indigo-delay

Start at: 2017-09-21 09:52:48

End at: 2017-09-21 09:53:18

Below is generated by plot.py at 2017-09-21 13:34:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.35 Mbit/s

95th percentile per-packet one-way delay: 117.995 ms

Loss rate: 0.19%

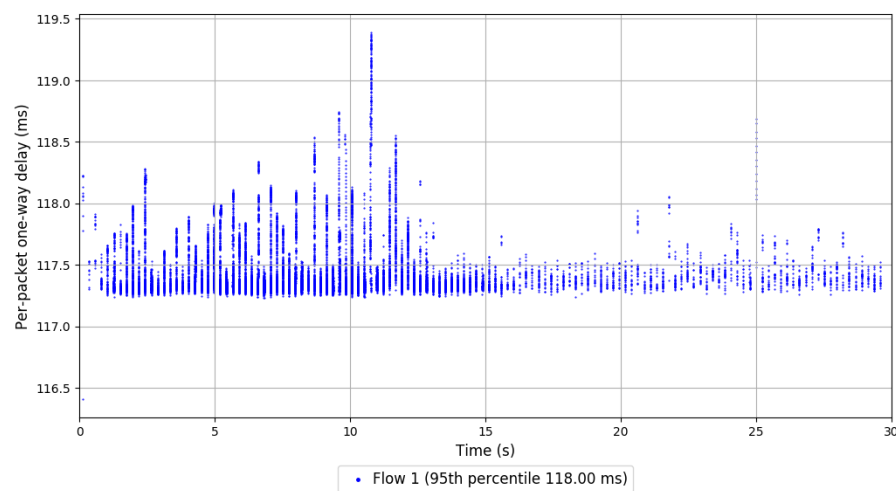
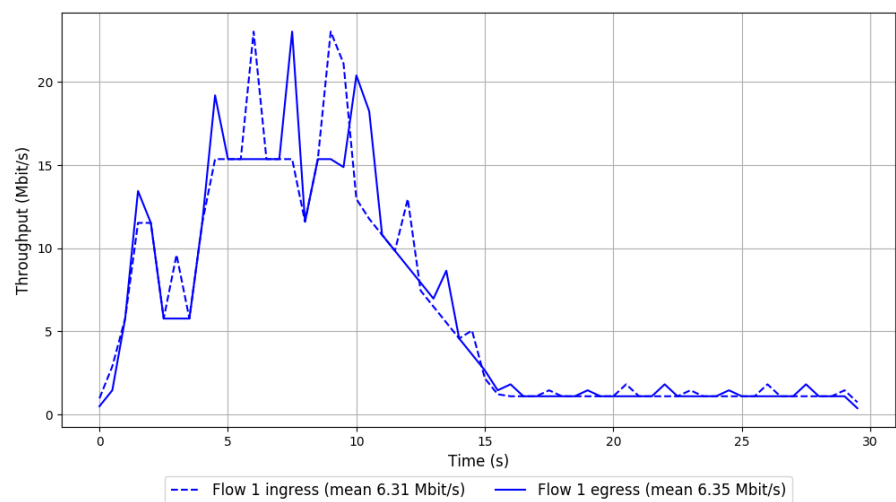
-- Flow 1:

Average throughput: 6.35 Mbit/s

95th percentile per-packet one-way delay: 117.995 ms

Loss rate: 0.19%

Run 3: Report of Indigo-delay — Data Link



Run 4: Statistics of Indigo-delay

Start at: 2017-09-21 10:03:44

End at: 2017-09-21 10:04:14

Below is generated by plot.py at 2017-09-21 13:34:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.43 Mbit/s

95th percentile per-packet one-way delay: 118.056 ms

Loss rate: 0.12%

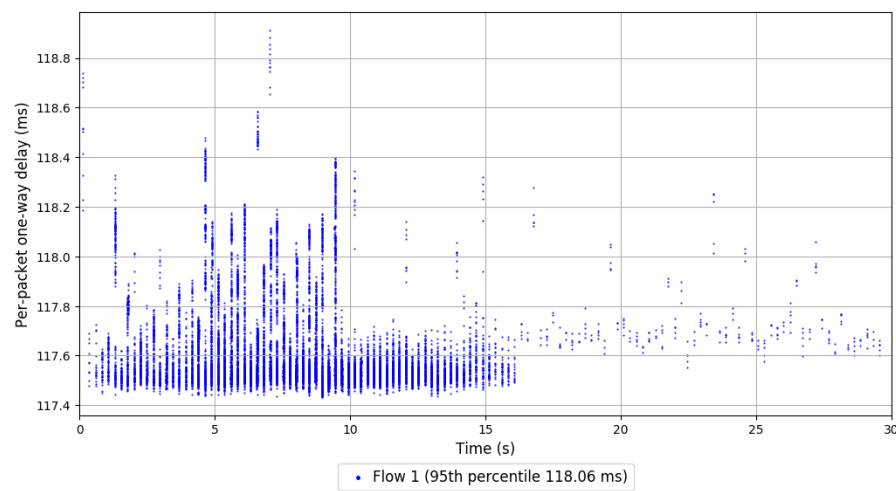
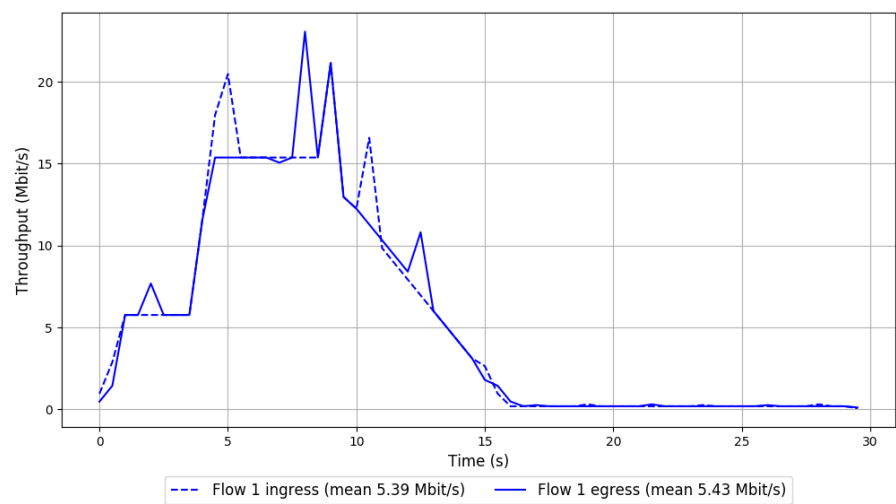
-- Flow 1:

Average throughput: 5.43 Mbit/s

95th percentile per-packet one-way delay: 118.056 ms

Loss rate: 0.12%

Run 4: Report of Indigo-delay — Data Link



Run 5: Statistics of Indigo-delay

Start at: 2017-09-21 10:14:59

End at: 2017-09-21 10:15:29

Below is generated by plot.py at 2017-09-21 13:34:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.07 Mbit/s

95th percentile per-packet one-way delay: 118.568 ms

Loss rate: 0.03%

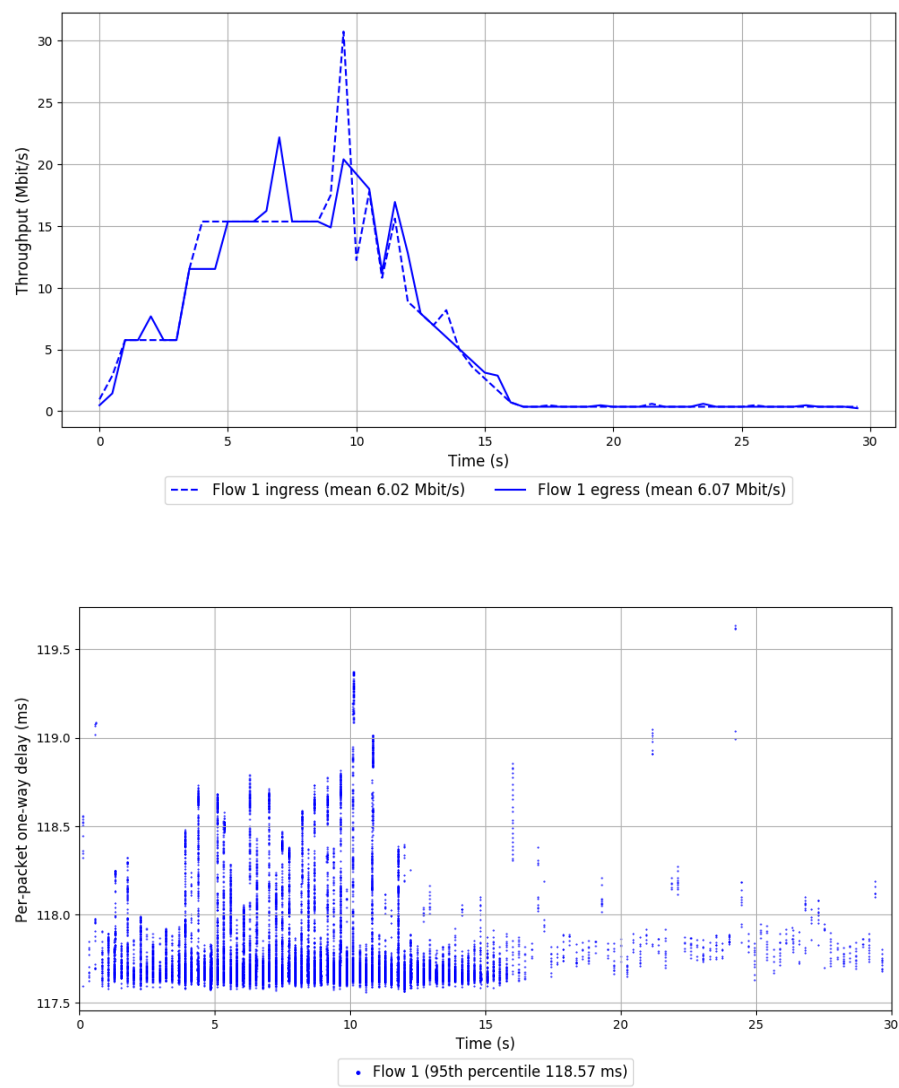
-- Flow 1:

Average throughput: 6.07 Mbit/s

95th percentile per-packet one-way delay: 118.568 ms

Loss rate: 0.03%

Run 5: Report of Indigo-delay — Data Link



Run 6: Statistics of Indigo-delay

Start at: 2017-09-21 10:25:51

End at: 2017-09-21 10:26:21

Below is generated by plot.py at 2017-09-21 13:34:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.52 Mbit/s

95th percentile per-packet one-way delay: 118.919 ms

Loss rate: 0.06%

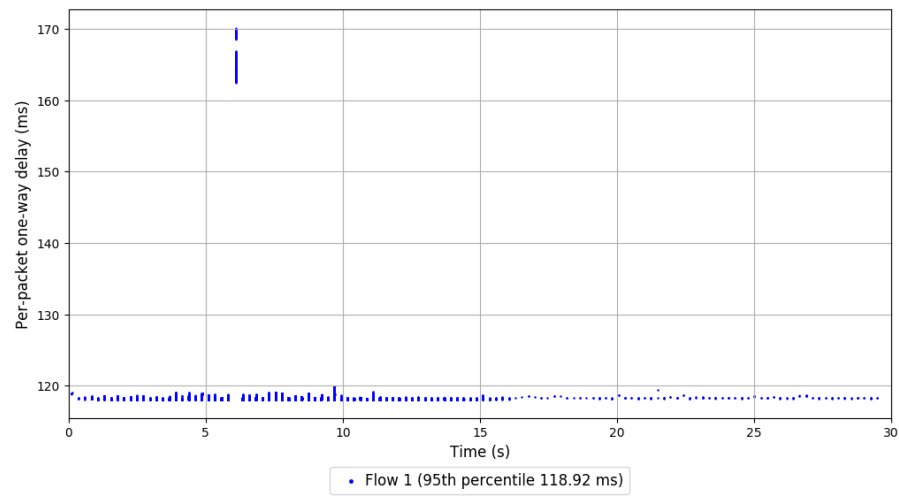
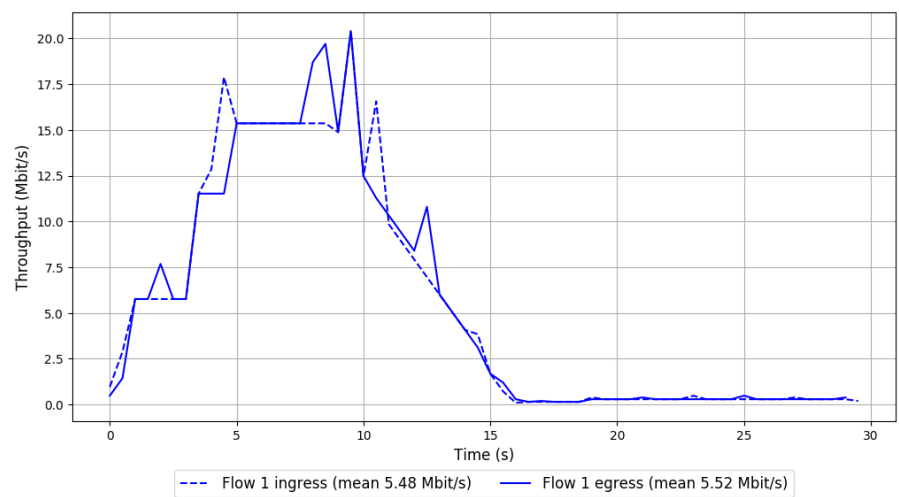
-- Flow 1:

Average throughput: 5.52 Mbit/s

95th percentile per-packet one-way delay: 118.919 ms

Loss rate: 0.06%

Run 6: Report of Indigo-delay — Data Link

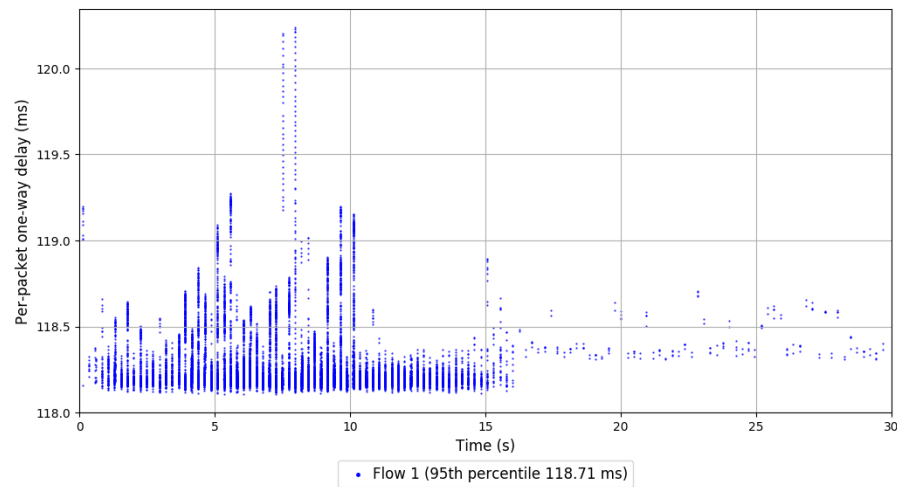
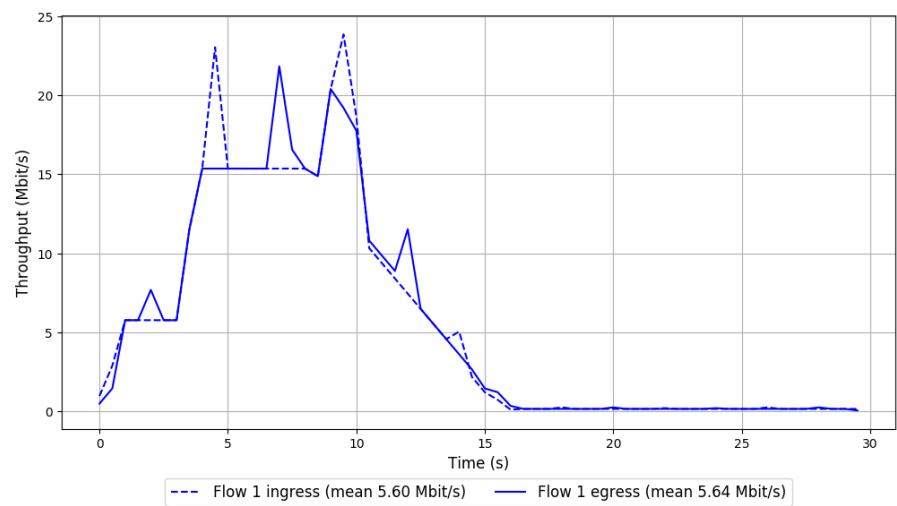


```
Run 7: Statistics of Indigo-delay

Start at: 2017-09-21 10:37:07
End at: 2017-09-21 10:37:37

# Below is generated by plot.py at 2017-09-21 13:34:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 118.709 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 118.709 ms
Loss rate: 0.03%
```


Run 7: Report of Indigo-delay — Data Link



Run 8: Statistics of Indigo-delay

Start at: 2017-09-21 10:48:19

End at: 2017-09-21 10:48:49

Below is generated by plot.py at 2017-09-21 13:34:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.00 Mbit/s

95th percentile per-packet one-way delay: 118.825 ms

Loss rate: 0.07%

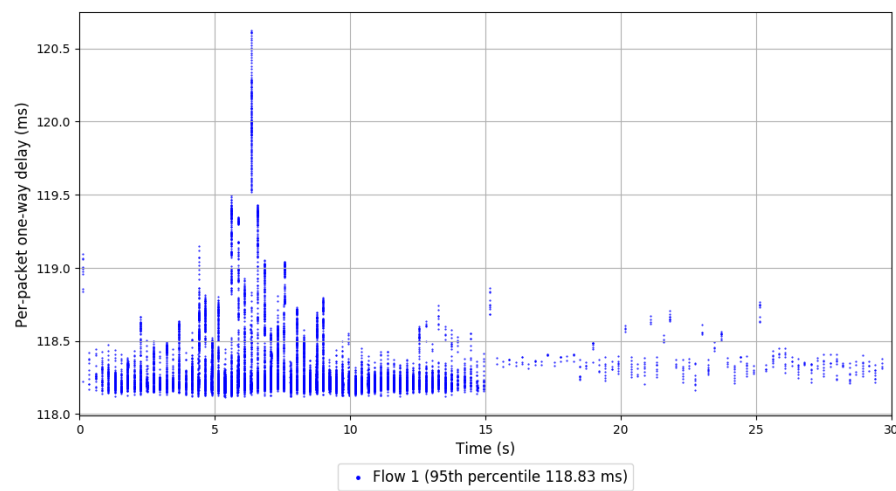
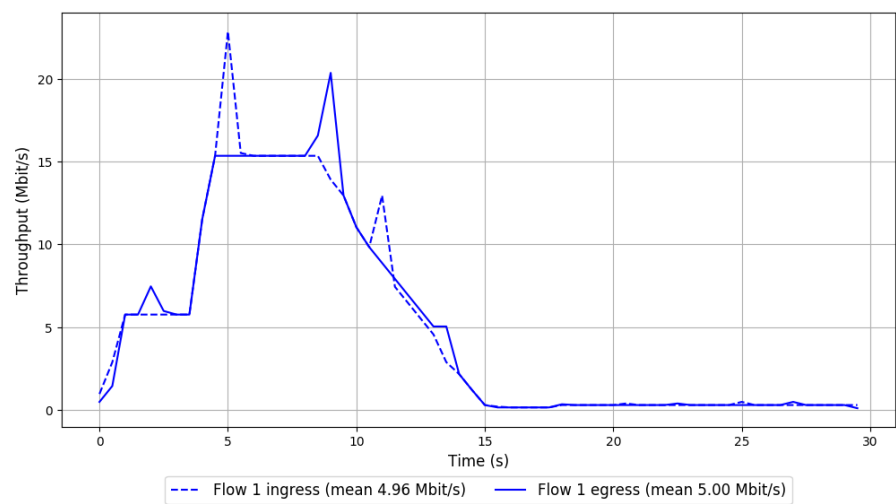
-- Flow 1:

Average throughput: 5.00 Mbit/s

95th percentile per-packet one-way delay: 118.825 ms

Loss rate: 0.07%

Run 8: Report of Indigo-delay — Data Link

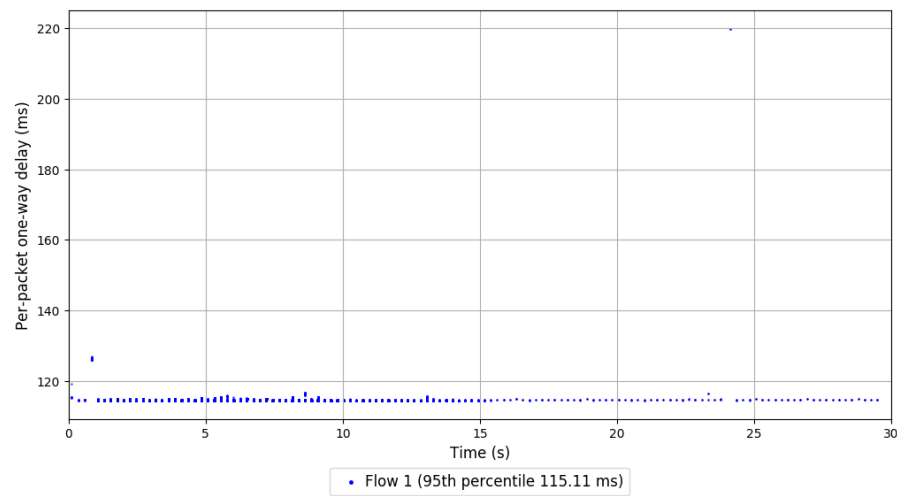
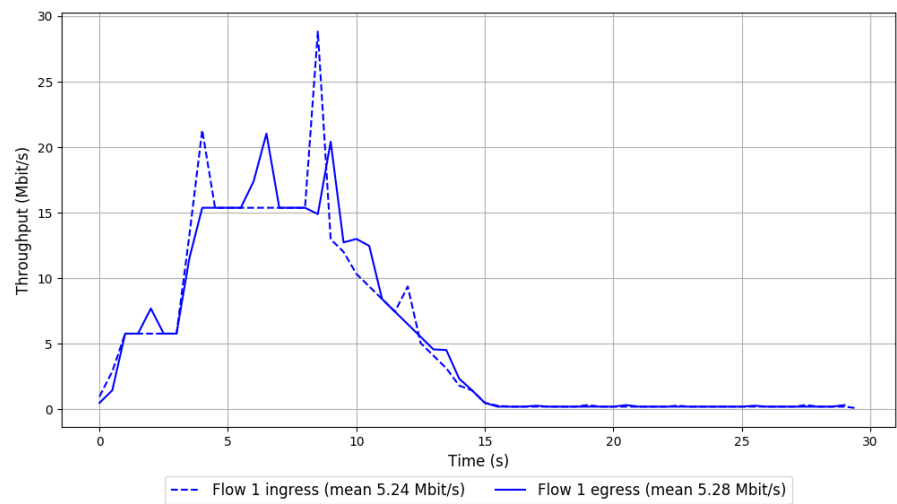


```
Run 9: Statistics of Indigo-delay

Start at: 2017-09-21 10:59:33
End at: 2017-09-21 11:00:03

# Below is generated by plot.py at 2017-09-21 13:34:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 115.108 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 115.108 ms
Loss rate: 0.02%
```

Run 9: Report of Indigo-delay — Data Link



Run 10: Statistics of Indigo-delay

Start at: 2017-09-21 11:10:25

End at: 2017-09-21 11:10:55

Below is generated by plot.py at 2017-09-21 13:34:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.66 Mbit/s

95th percentile per-packet one-way delay: 115.209 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 6.66 Mbit/s

95th percentile per-packet one-way delay: 115.209 ms

Loss rate: 0.10%

Run 10: Report of Indigo-delay — Data Link

