

## Pantheon Report

Generated at 2017-09-23 06:59:13 (UTC).

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

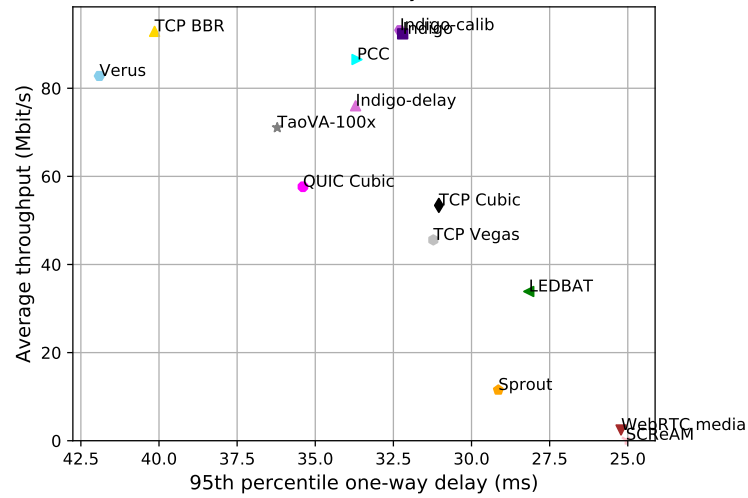
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

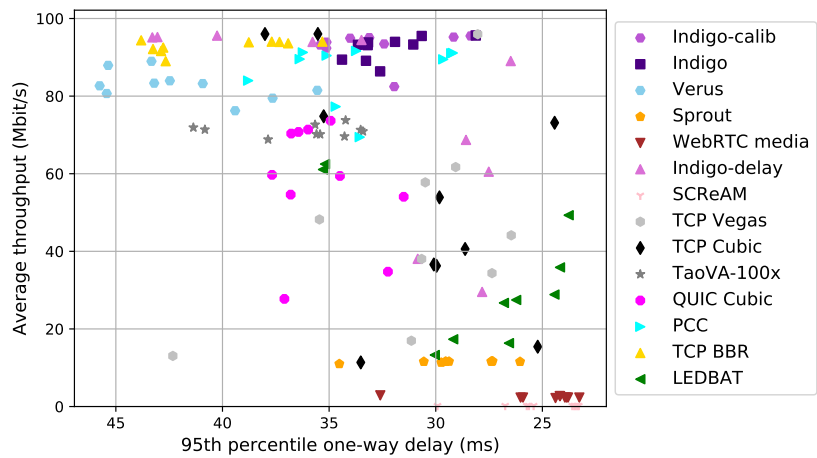
Git summary:

```
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 @ 03455460fd1a8ffbdad86fabb936fdca204b80db
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 Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	92.92	40.14	0.52
TCP Cubic	10	53.41	31.05	0.37
LEDBAT	10	33.87	28.17	0.41
PCC	10	86.52	33.66	0.52
QUIC Cubic	10	57.65	35.39	0.51
SCReAM	10	0.22	25.06	0.26
WebRTC media	10	2.43	25.21	0.34
Sprout	10	11.53	29.14	0.32
TaoVA-100x	10	71.07	36.22	0.47
TCP Vegas	9	45.58	31.22	0.35
Verus	10	82.79	41.91	0.55
Indigo	10	92.35	32.20	0.51
Indigo-calib	10	93.18	32.29	0.45
Indigo-delay	10	76.03	33.71	0.52

Run 1: Statistics of TCP BBR

Start at: 2017-09-23 00:24:07

End at: 2017-09-23 00:24:37

Local clock offset: -1.216 ms

Remote clock offset: 0.186 ms

# Below is generated by plot.py at 2017-09-23 06:44:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 42.778 ms

Loss rate: 0.52%

-- Flow 1:

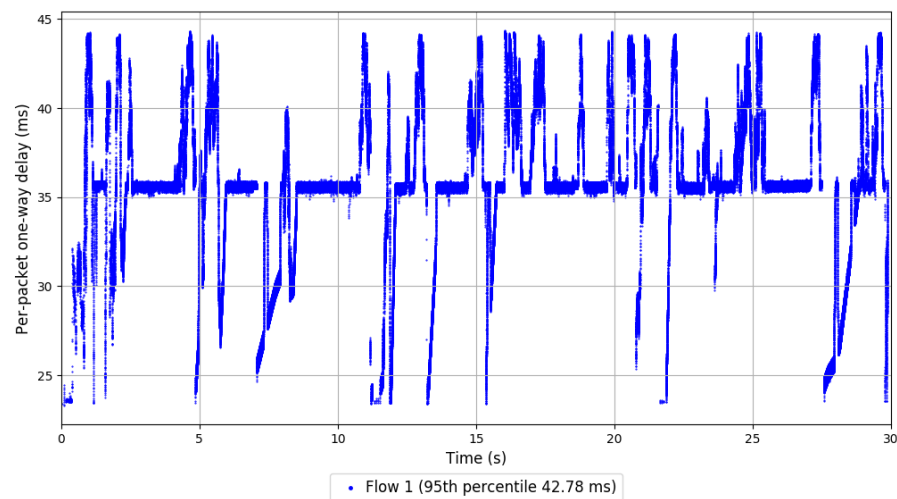
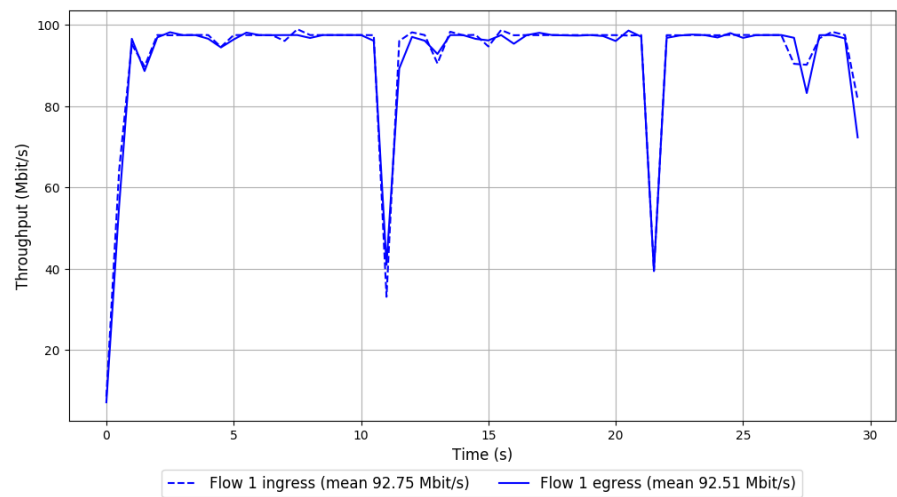
Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 42.778 ms

Loss rate: 0.52%



Run 1: Report of TCP BBR — Data Link

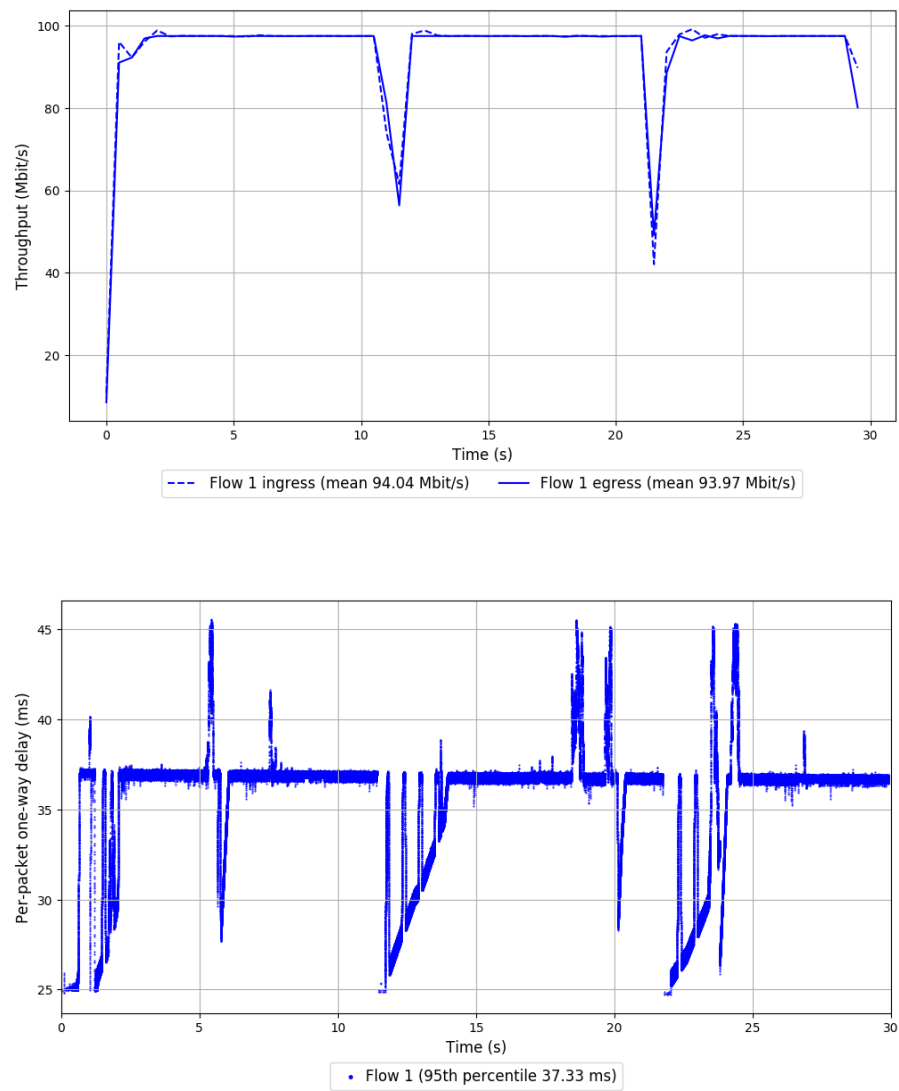


Run 2: Statistics of TCP BBR

Start at: 2017-09-23 00:42:47  
End at: 2017-09-23 00:43:17  
Local clock offset: -10.264 ms  
Remote clock offset: -1.677 ms

# Below is generated by plot.py at 2017-09-23 06:44:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.97 Mbit/s  
95th percentile per-packet one-way delay: 37.327 ms  
Loss rate: 0.34%  
-- Flow 1:  
Average throughput: 93.97 Mbit/s  
95th percentile per-packet one-way delay: 37.327 ms  
Loss rate: 0.34%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-09-23 01:01:37

End at: 2017-09-23 01:02:07

Local clock offset: -6.483 ms

Remote clock offset: 0.778 ms

# Below is generated by plot.py at 2017-09-23 06:44:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 38.767 ms

Loss rate: 0.38%

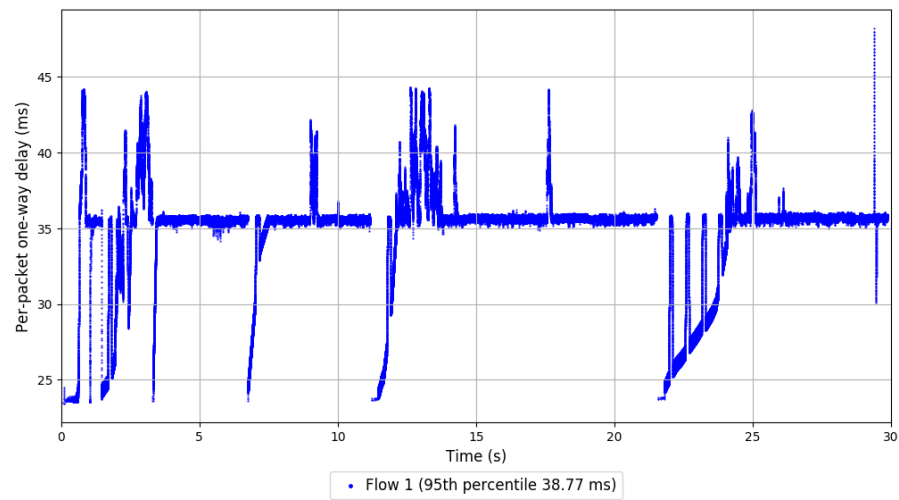
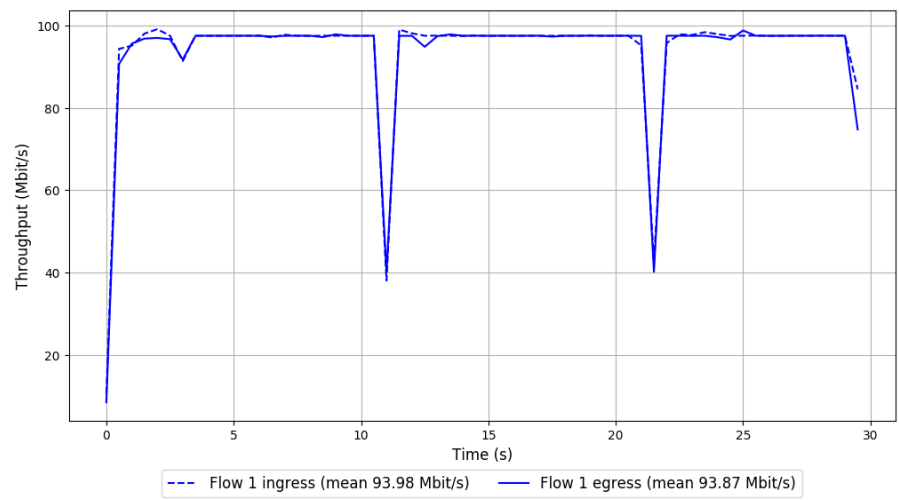
-- Flow 1:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 38.767 ms

Loss rate: 0.38%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-09-23 01:20:57

End at: 2017-09-23 01:21:27

Local clock offset: -5.23 ms

Remote clock offset: 1.575 ms

# Below is generated by plot.py at 2017-09-23 06:44:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.00 Mbit/s

95th percentile per-packet one-way delay: 42.664 ms

Loss rate: 0.92%

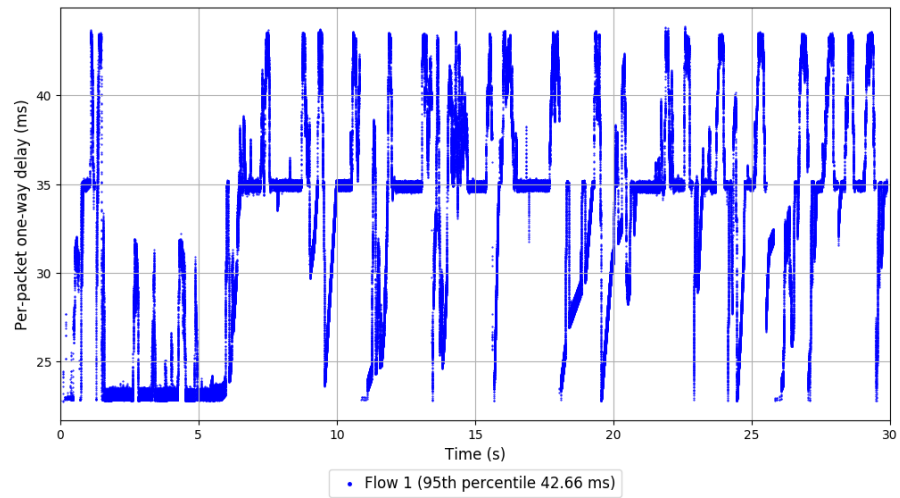
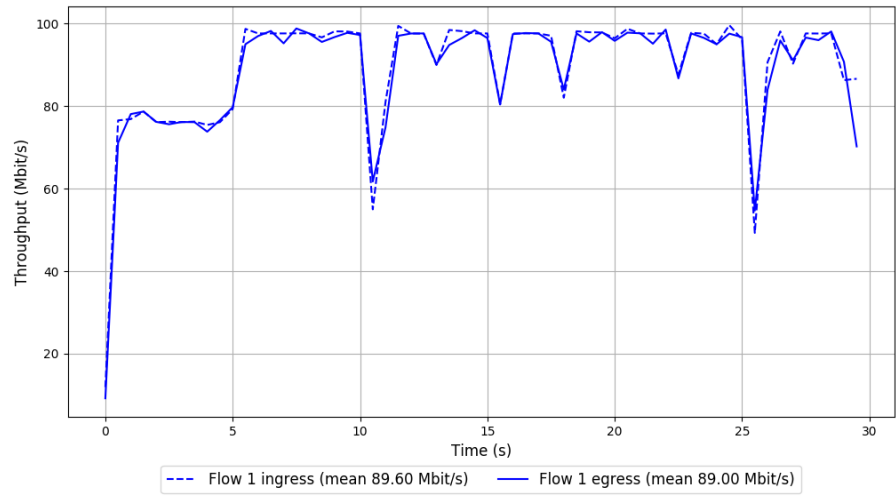
-- Flow 1:

Average throughput: 89.00 Mbit/s

95th percentile per-packet one-way delay: 42.664 ms

Loss rate: 0.92%

#### Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-09-23 01:40:07

End at: 2017-09-23 01:40:37

Local clock offset: -4.767 ms

Remote clock offset: 1.967 ms

# Below is generated by plot.py at 2017-09-23 06:44:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 42.878 ms

Loss rate: 0.93%

-- Flow 1:

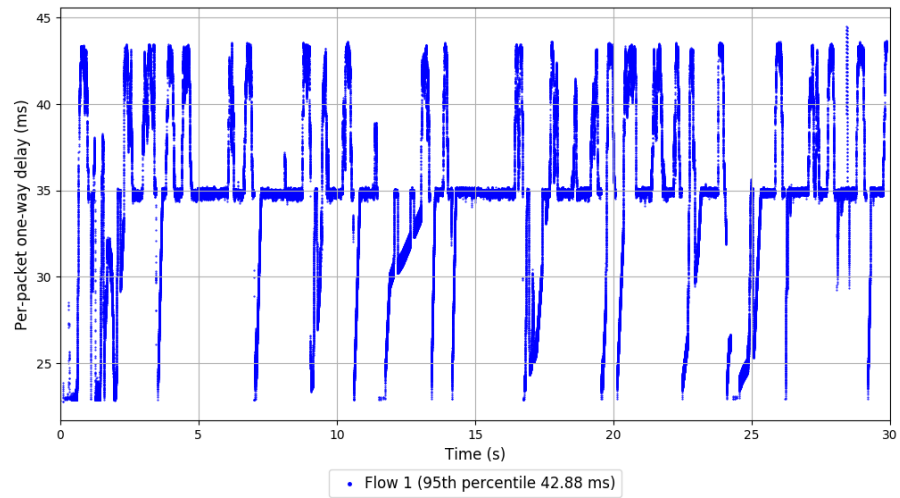
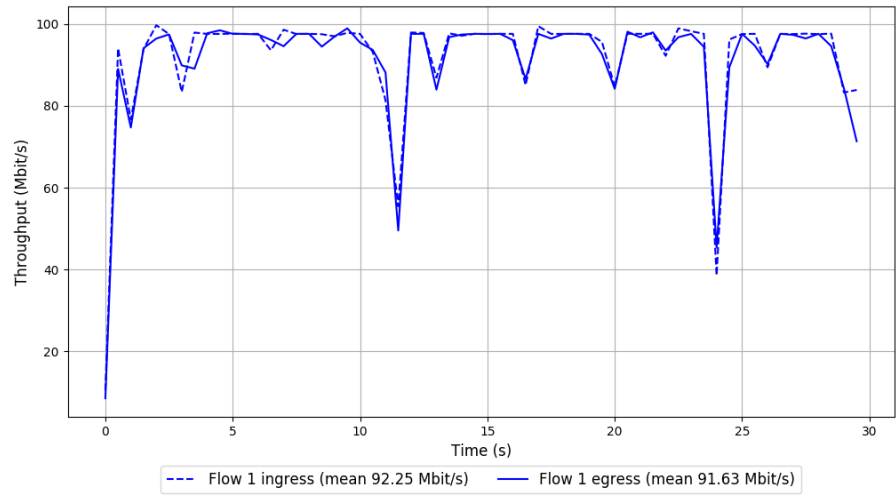
Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 42.878 ms

Loss rate: 0.93%



### Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-09-23 01:59:05

End at: 2017-09-23 01:59:35

Local clock offset: -8.298 ms

Remote clock offset: 1.862 ms

# Below is generated by plot.py at 2017-09-23 06:44:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.13 Mbit/s

95th percentile per-packet one-way delay: 43.257 ms

Loss rate: 0.76%

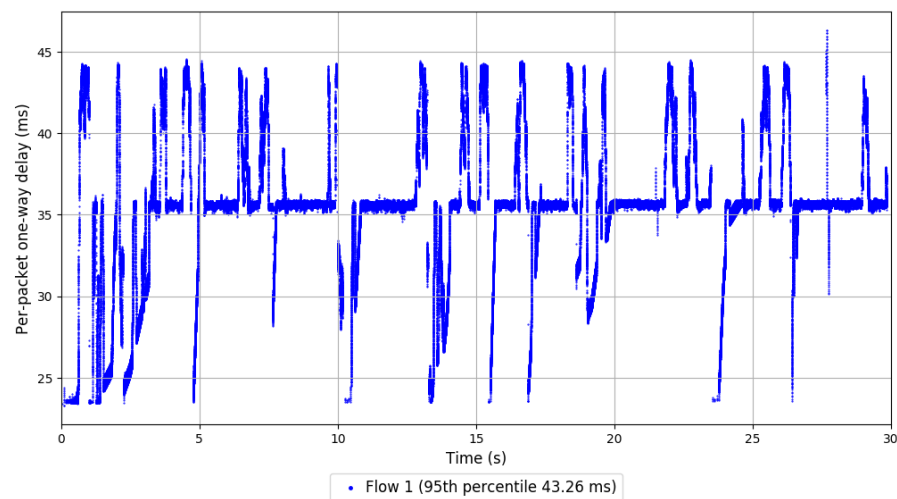
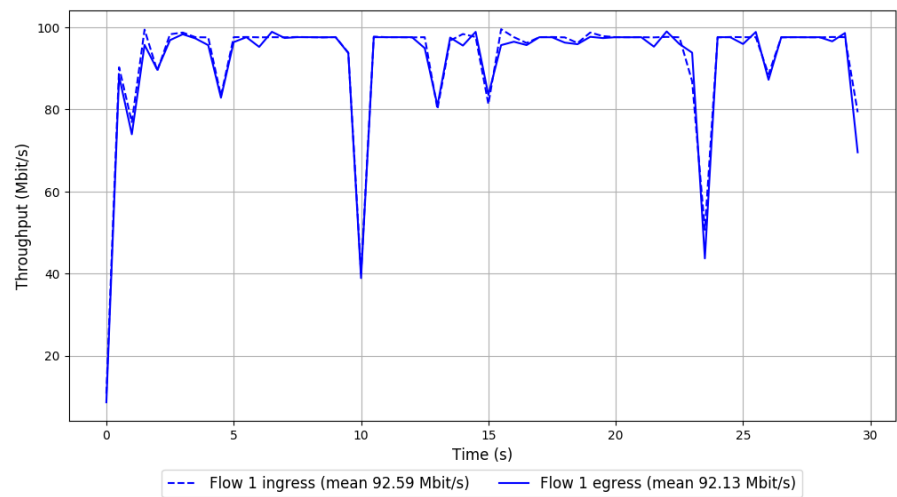
-- Flow 1:

Average throughput: 92.13 Mbit/s

95th percentile per-packet one-way delay: 43.257 ms

Loss rate: 0.76%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-09-23 02:17:54

End at: 2017-09-23 02:18:24

Local clock offset: -8.726 ms

Remote clock offset: -0.2 ms

# Below is generated by plot.py at 2017-09-23 06:44:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.38 Mbit/s

95th percentile per-packet one-way delay: 43.813 ms

Loss rate: 0.44%

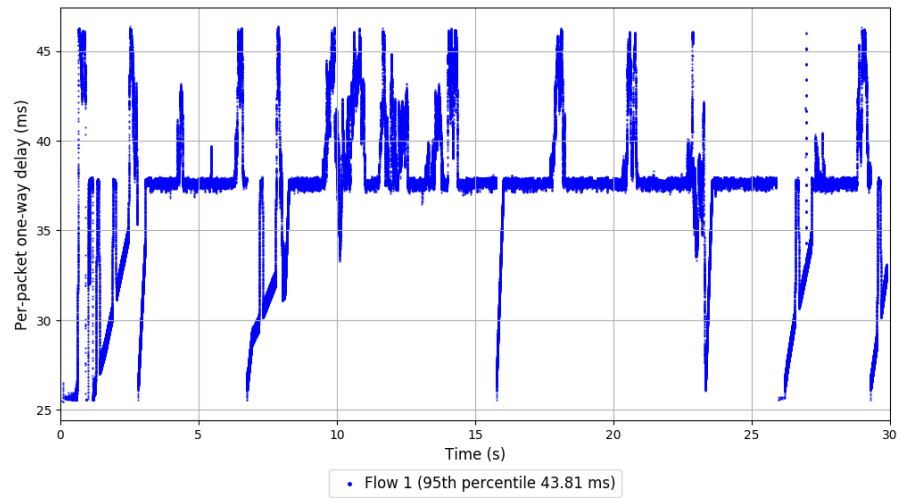
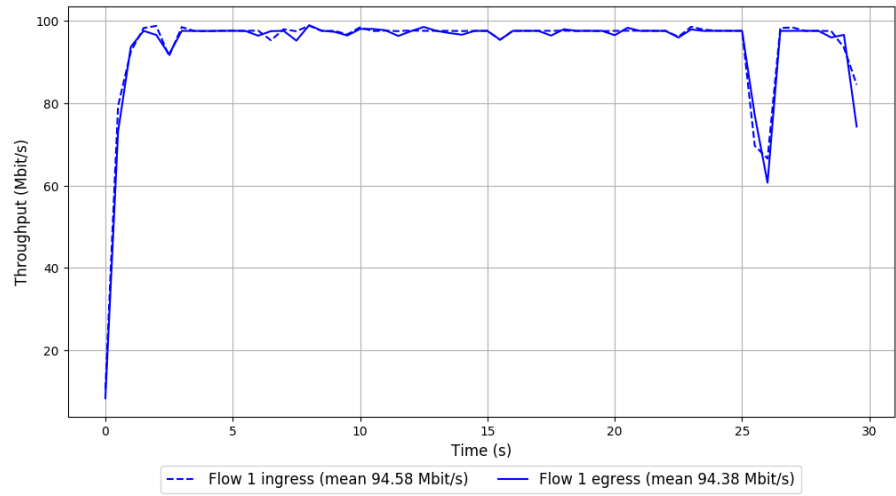
-- Flow 1:

Average throughput: 94.38 Mbit/s

95th percentile per-packet one-way delay: 43.813 ms

Loss rate: 0.44%

## Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2017-09-23 02:36:38

End at: 2017-09-23 02:37:08

Local clock offset: -6.037 ms

Remote clock offset: 2.42 ms

# Below is generated by plot.py at 2017-09-23 06:44:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.61 Mbit/s

95th percentile per-packet one-way delay: 36.920 ms

Loss rate: 0.35%

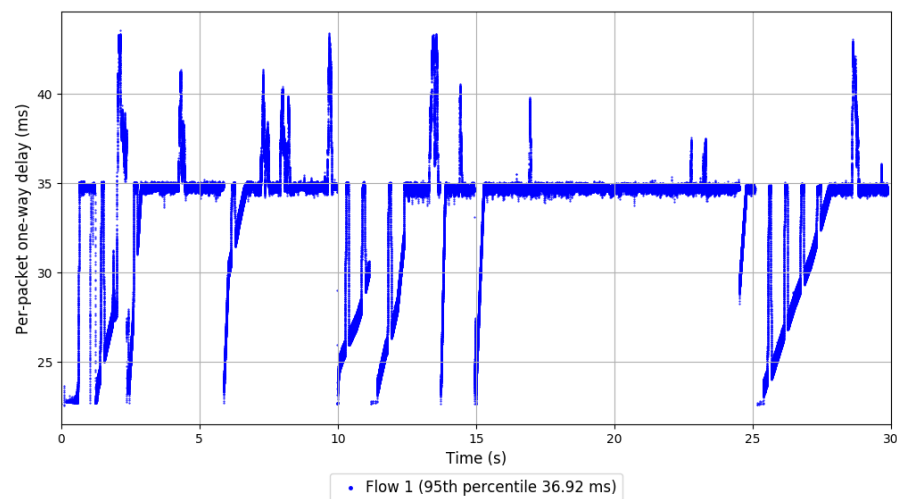
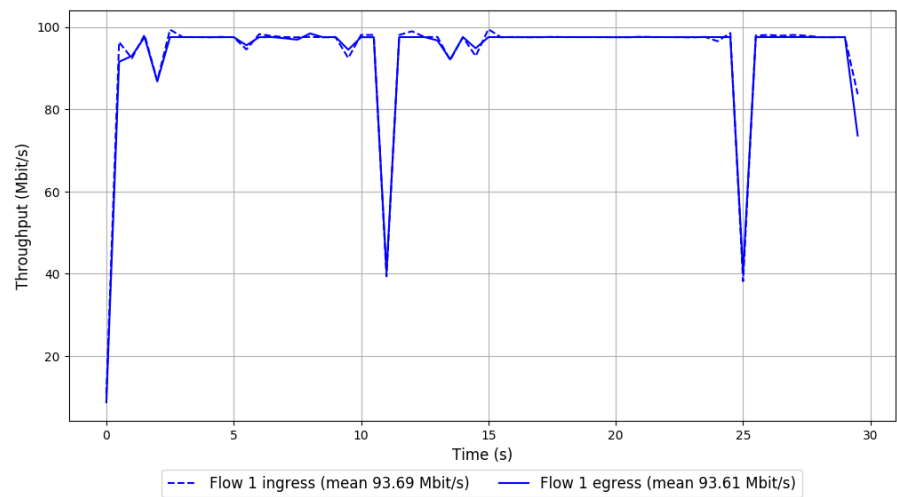
-- Flow 1:

Average throughput: 93.61 Mbit/s

95th percentile per-packet one-way delay: 36.920 ms

Loss rate: 0.35%

Run 8: Report of TCP BBR — Data Link



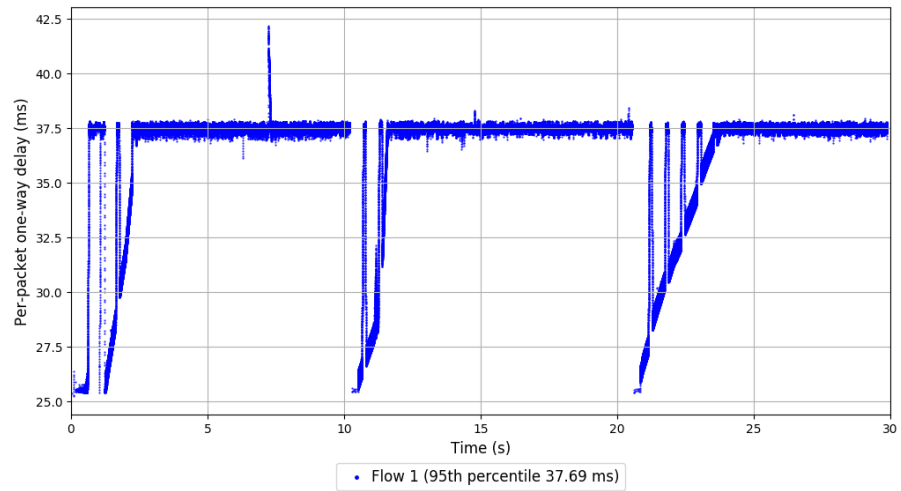
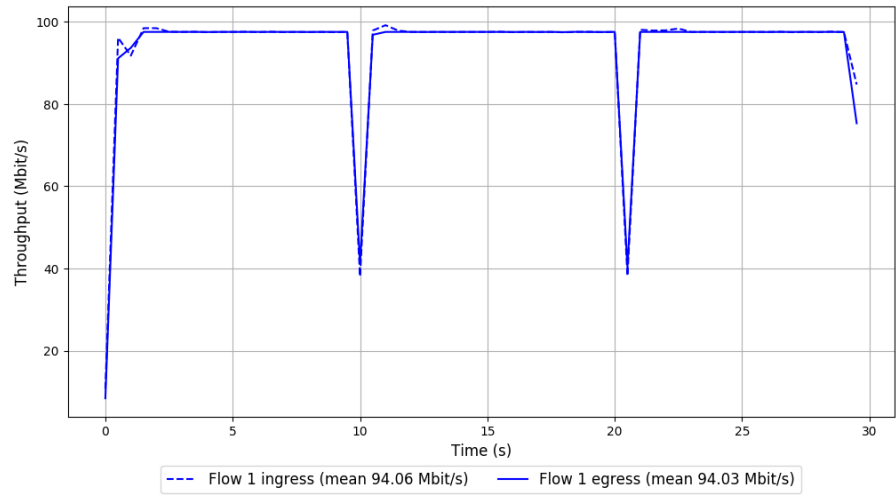
Run 9: Statistics of TCP BBR

Start at: 2017-09-23 02:55:21  
End at: 2017-09-23 02:55:51  
Local clock offset: -4.162 ms  
Remote clock offset: -0.127 ms

# Below is generated by plot.py at 2017-09-23 06:45:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.03 Mbit/s  
95th percentile per-packet one-way delay: 37.691 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 94.03 Mbit/s  
95th percentile per-packet one-way delay: 37.691 ms  
Loss rate: 0.30%



### Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2017-09-23 03:14:09

End at: 2017-09-23 03:14:39

Local clock offset: -4.175 ms

Remote clock offset: 1.463 ms

# Below is generated by plot.py at 2017-09-23 06:45:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 35.317 ms

Loss rate: 0.30%

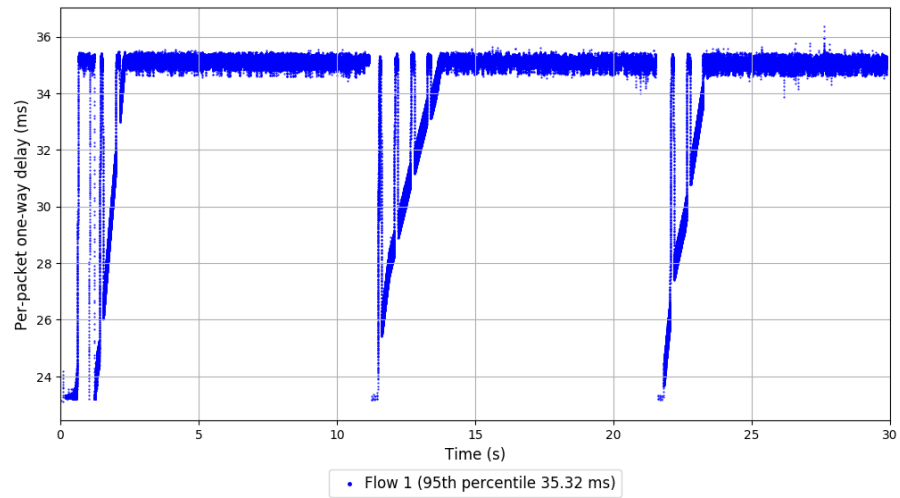
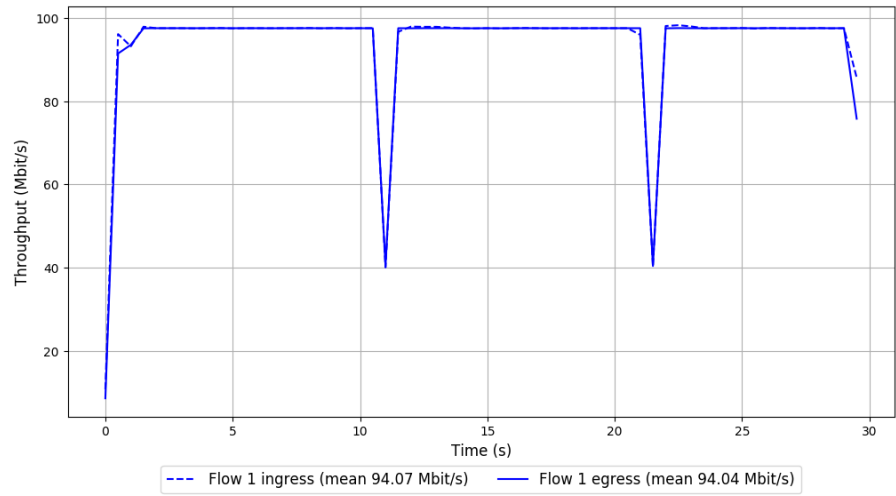
-- Flow 1:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 35.317 ms

Loss rate: 0.30%

### Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-09-23 00:33:20

End at: 2017-09-23 00:33:50

Local clock offset: -6.345 ms

Remote clock offset: 0.236 ms

# Below is generated by plot.py at 2017-09-23 06:45:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.42 Mbit/s

95th percentile per-packet one-way delay: 25.219 ms

Loss rate: 0.47%

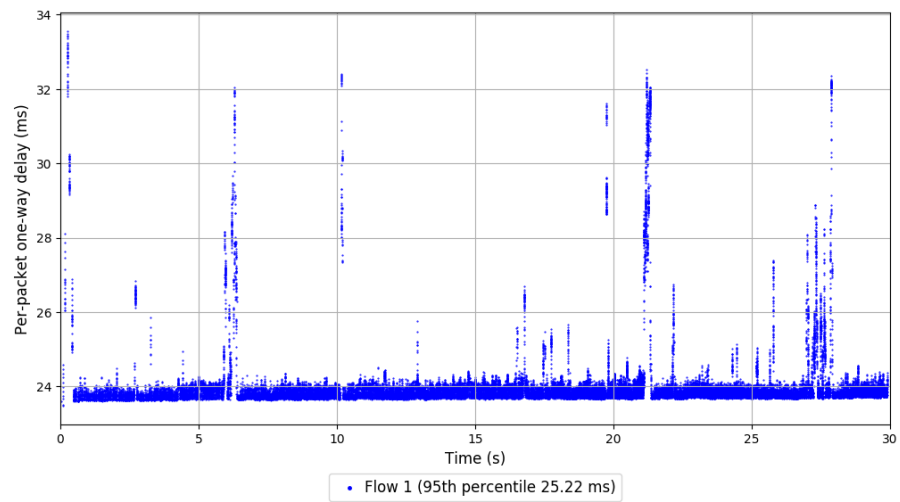
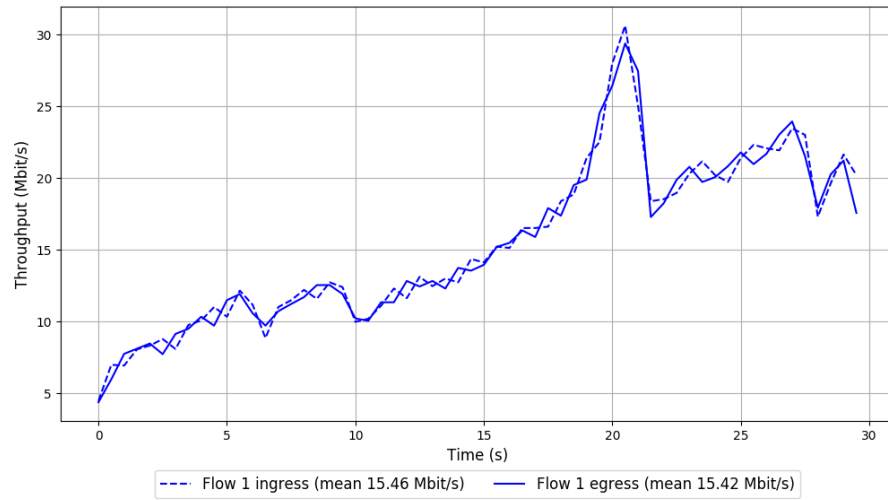
-- Flow 1:

Average throughput: 15.42 Mbit/s

95th percentile per-packet one-way delay: 25.219 ms

Loss rate: 0.47%

### Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2017-09-23 00:52:04

End at: 2017-09-23 00:52:34

Local clock offset: -4.021 ms

Remote clock offset: 0.94 ms

# Below is generated by plot.py at 2017-09-23 06:45:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 36.61 Mbit/s

95th percentile per-packet one-way delay: 30.092 ms

Loss rate: 0.34%

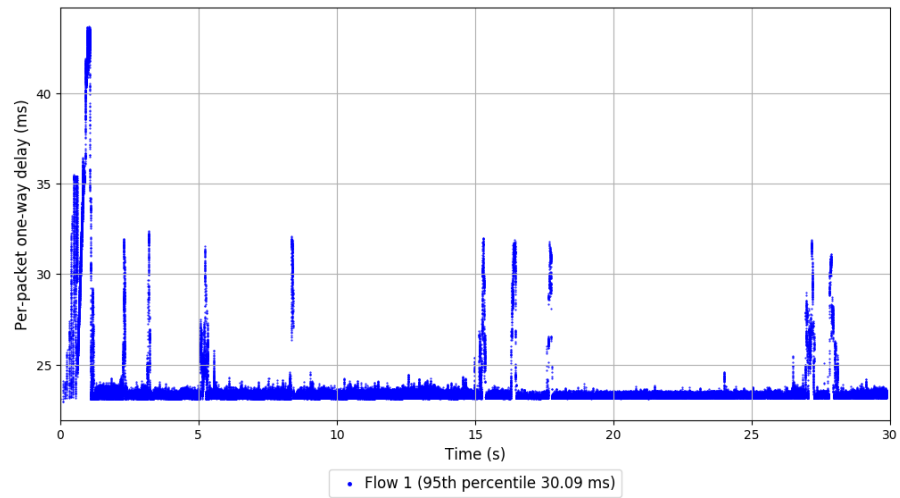
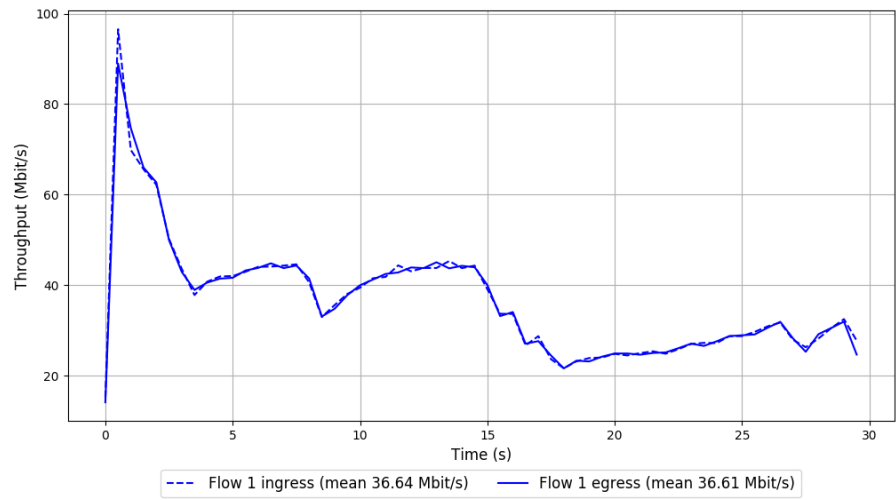
-- Flow 1:

Average throughput: 36.61 Mbit/s

95th percentile per-packet one-way delay: 30.092 ms

Loss rate: 0.34%

## Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2017-09-23 01:11:00

End at: 2017-09-23 01:11:30

Local clock offset: -7.675 ms

Remote clock offset: 1.288 ms

# Below is generated by plot.py at 2017-09-23 06:45:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.80 Mbit/s

95th percentile per-packet one-way delay: 35.255 ms

Loss rate: 0.29%

-- Flow 1:

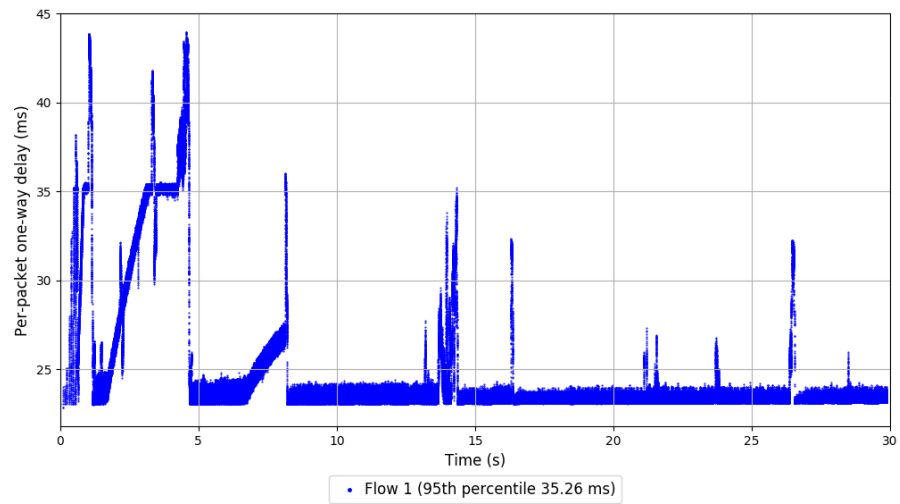
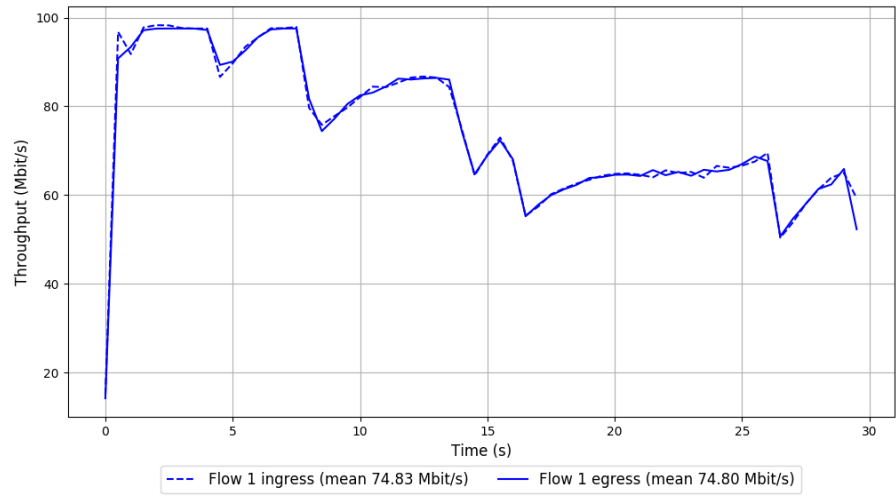
Average throughput: 74.80 Mbit/s

95th percentile per-packet one-way delay: 35.255 ms

Loss rate: 0.29%



### Run 3: Report of TCP Cubic — Data Link

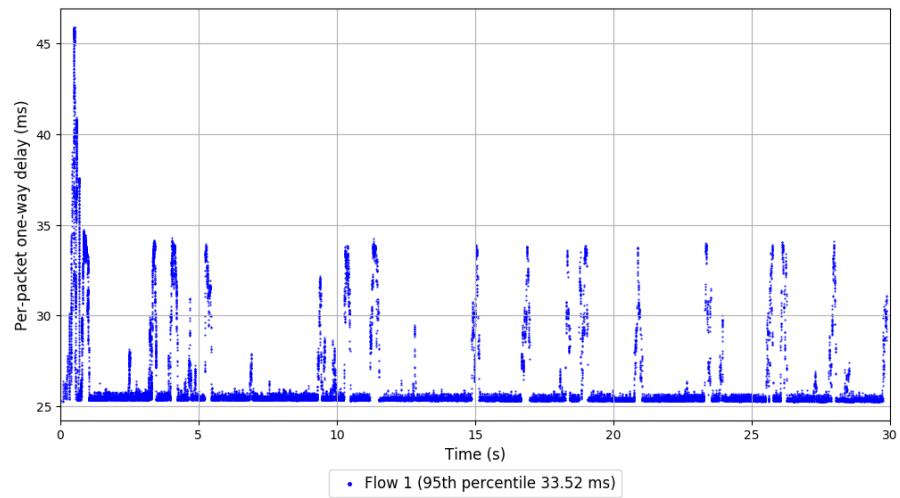
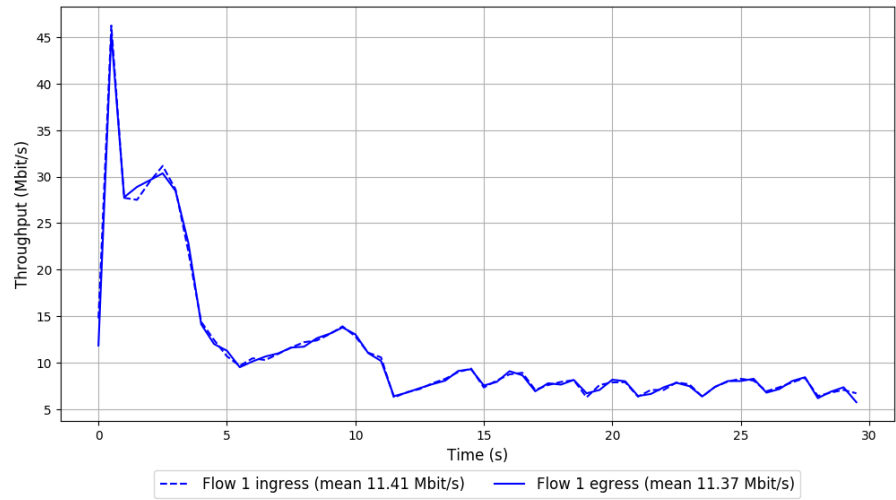


Run 4: Statistics of TCP Cubic

Start at: 2017-09-23 01:30:32  
End at: 2017-09-23 01:31:02  
Local clock offset: -5.322 ms  
Remote clock offset: -0.853 ms

# Below is generated by plot.py at 2017-09-23 06:45:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.37 Mbit/s  
95th percentile per-packet one-way delay: 33.516 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 11.37 Mbit/s  
95th percentile per-packet one-way delay: 33.516 ms  
Loss rate: 0.58%

#### Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2017-09-23 01:49:44

End at: 2017-09-23 01:50:14

Local clock offset: -6.216 ms

Remote clock offset: 2.147 ms

# Below is generated by plot.py at 2017-09-23 06:45:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 36.27 Mbit/s

95th percentile per-packet one-way delay: 29.963 ms

Loss rate: 0.36%

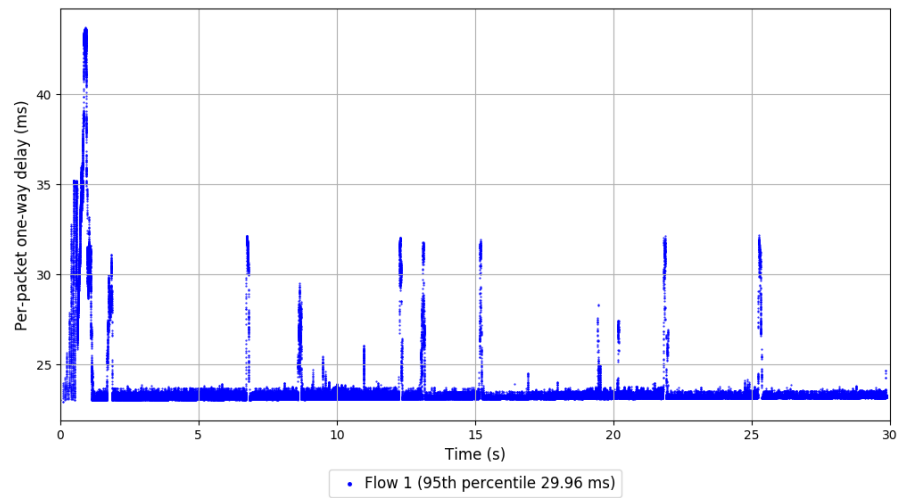
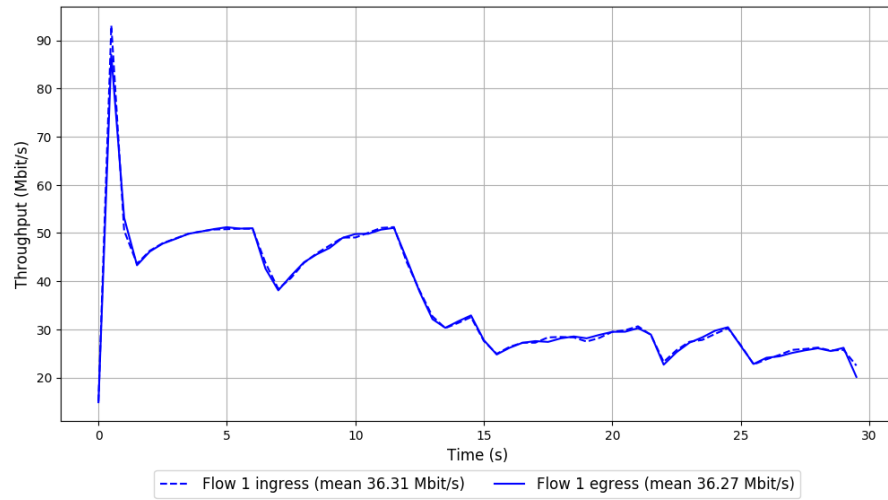
-- Flow 1:

Average throughput: 36.27 Mbit/s

95th percentile per-packet one-way delay: 29.963 ms

Loss rate: 0.36%

### Run 5: Report of TCP Cubic — Data Link

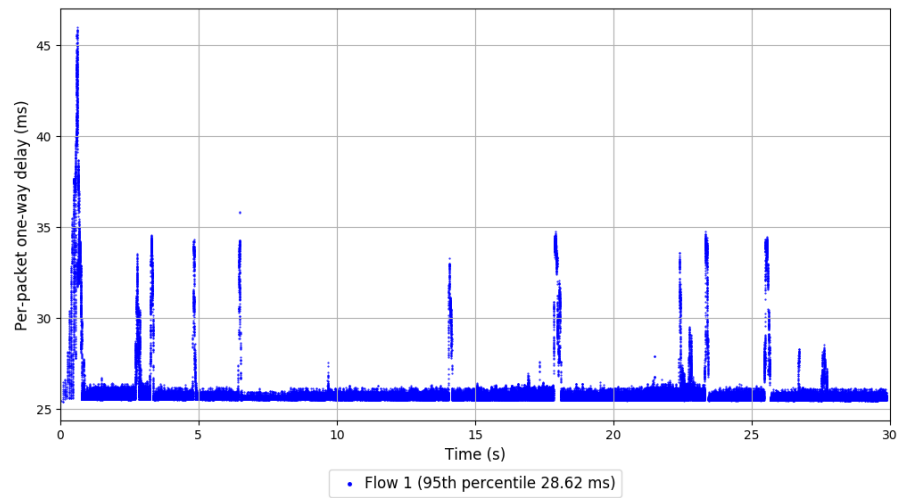
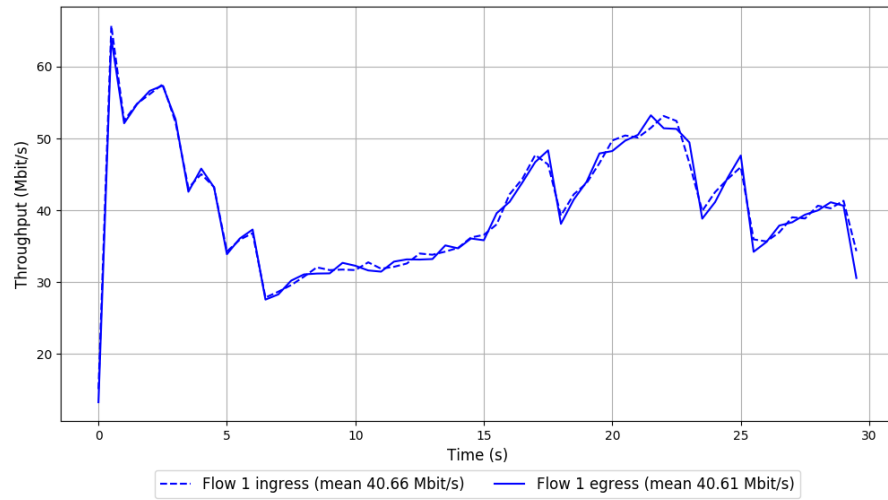


Run 6: Statistics of TCP Cubic

Start at: 2017-09-23 02:08:30  
End at: 2017-09-23 02:09:00  
Local clock offset: -9.227 ms  
Remote clock offset: -0.275 ms

# Below is generated by plot.py at 2017-09-23 06:45:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 40.61 Mbit/s  
95th percentile per-packet one-way delay: 28.623 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 40.61 Mbit/s  
95th percentile per-packet one-way delay: 28.623 ms  
Loss rate: 0.39%

## Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2017-09-23 02:27:12

End at: 2017-09-23 02:27:42

Local clock offset: -7.746 ms

Remote clock offset: 1.884 ms

# Below is generated by plot.py at 2017-09-23 06:45:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.13 Mbit/s

95th percentile per-packet one-way delay: 24.426 ms

Loss rate: 0.30%

-- Flow 1:

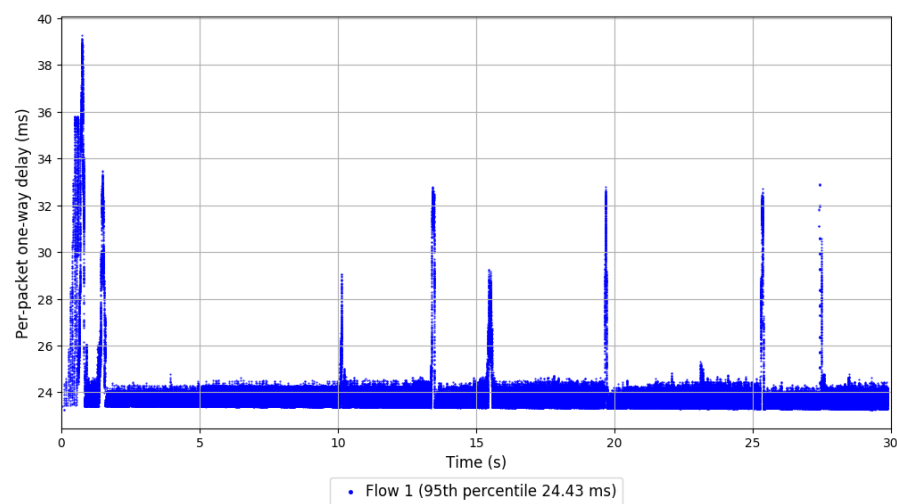
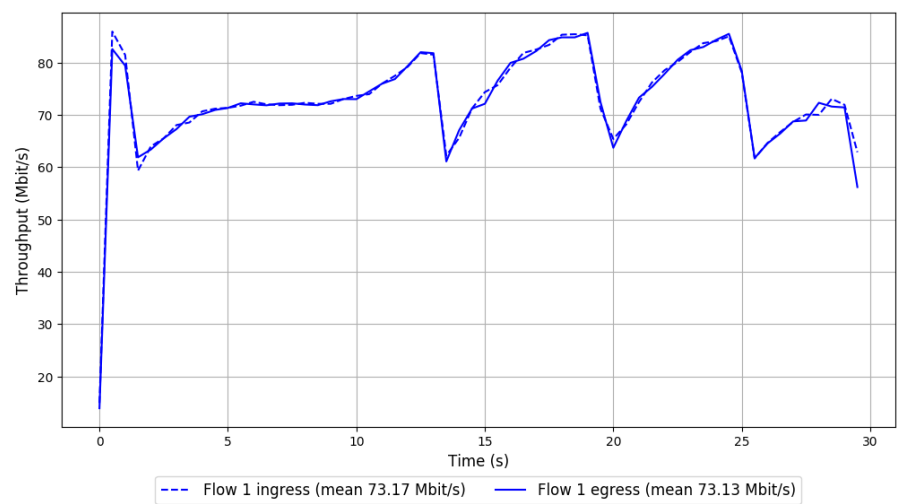
Average throughput: 73.13 Mbit/s

95th percentile per-packet one-way delay: 24.426 ms

Loss rate: 0.30%



Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-09-23 02:45:55

End at: 2017-09-23 02:46:25

Local clock offset: -4.592 ms

Remote clock offset: 1.821 ms

# Below is generated by plot.py at 2017-09-23 06:45:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.91 Mbit/s

95th percentile per-packet one-way delay: 29.826 ms

Loss rate: 0.37%

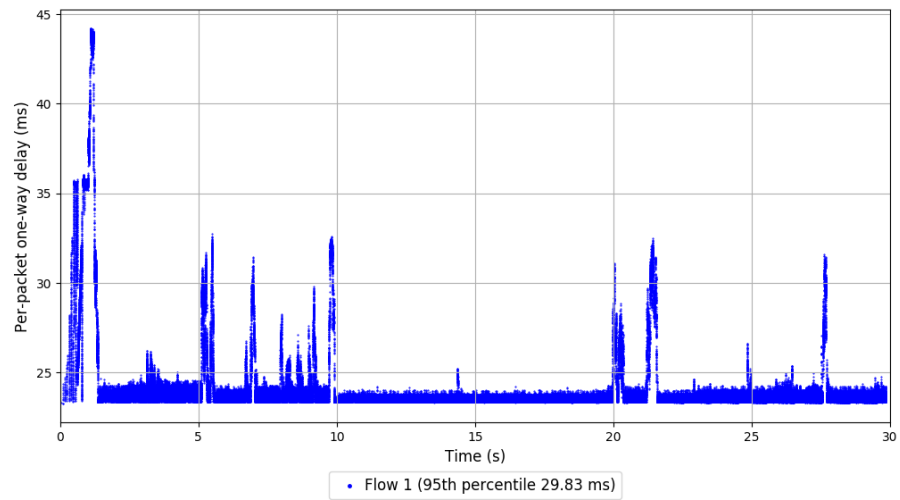
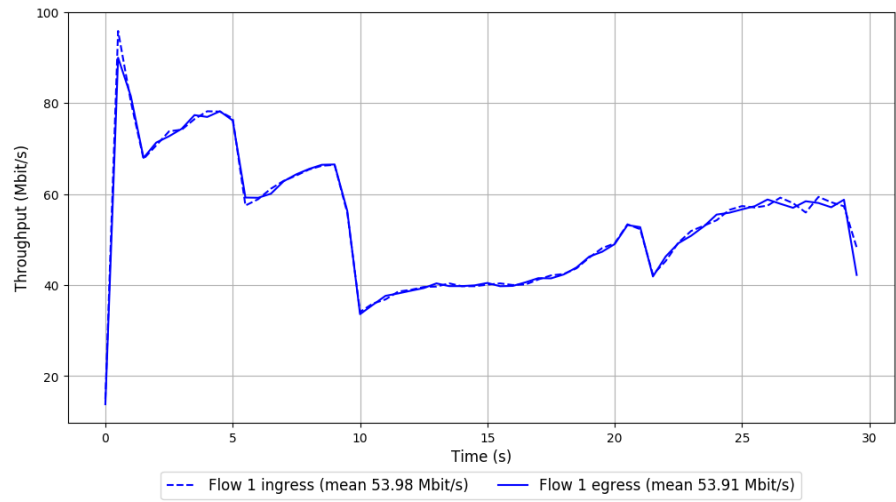
-- Flow 1:

Average throughput: 53.91 Mbit/s

95th percentile per-packet one-way delay: 29.826 ms

Loss rate: 0.37%

### Run 8: Report of TCP Cubic — Data Link

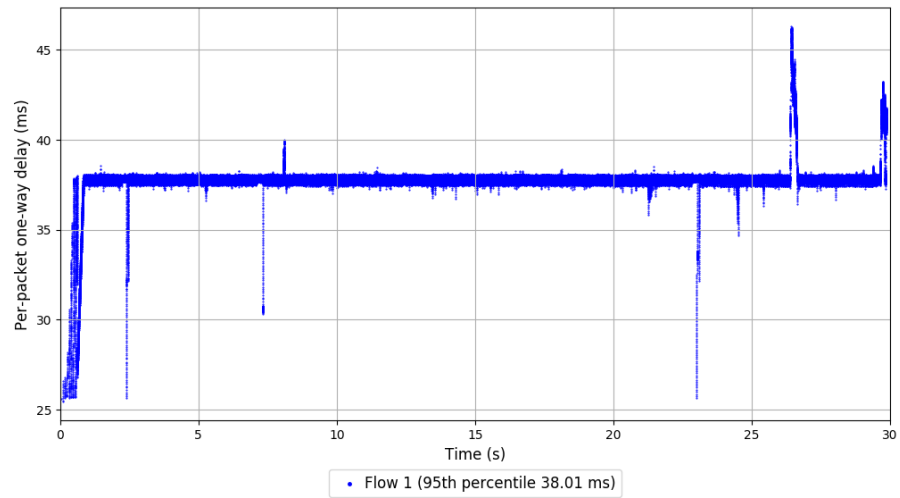
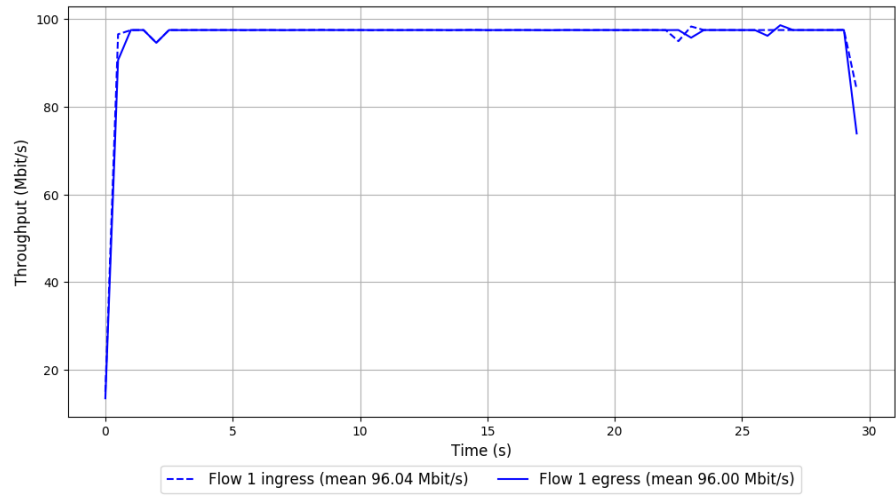


Run 9: Statistics of TCP Cubic

Start at: 2017-09-23 03:04:40  
End at: 2017-09-23 03:05:10  
Local clock offset: -4.286 ms  
Remote clock offset: -0.507 ms

# Below is generated by plot.py at 2017-09-23 06:46:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.00 Mbit/s  
95th percentile per-packet one-way delay: 38.008 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 96.00 Mbit/s  
95th percentile per-packet one-way delay: 38.008 ms  
Loss rate: 0.31%

### Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-09-23 03:23:29

End at: 2017-09-23 03:23:59

Local clock offset: -3.248 ms

Remote clock offset: 1.361 ms

# Below is generated by plot.py at 2017-09-23 06:46:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.02 Mbit/s

95th percentile per-packet one-way delay: 35.527 ms

Loss rate: 0.29%

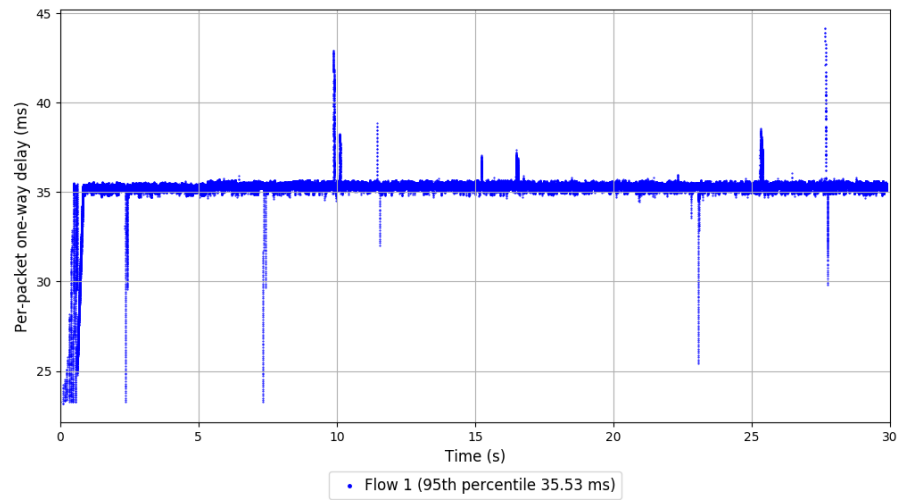
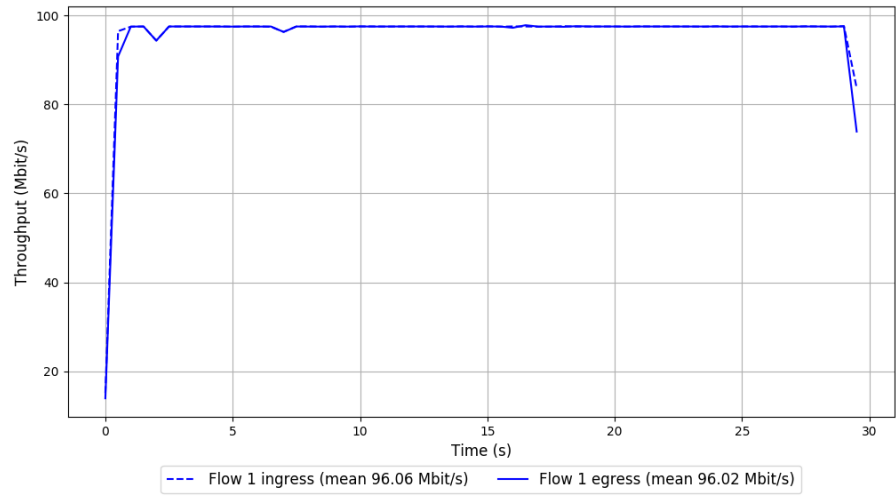
-- Flow 1:

Average throughput: 96.02 Mbit/s

95th percentile per-packet one-way delay: 35.527 ms

Loss rate: 0.29%

### Run 10: Report of TCP Cubic — Data Link



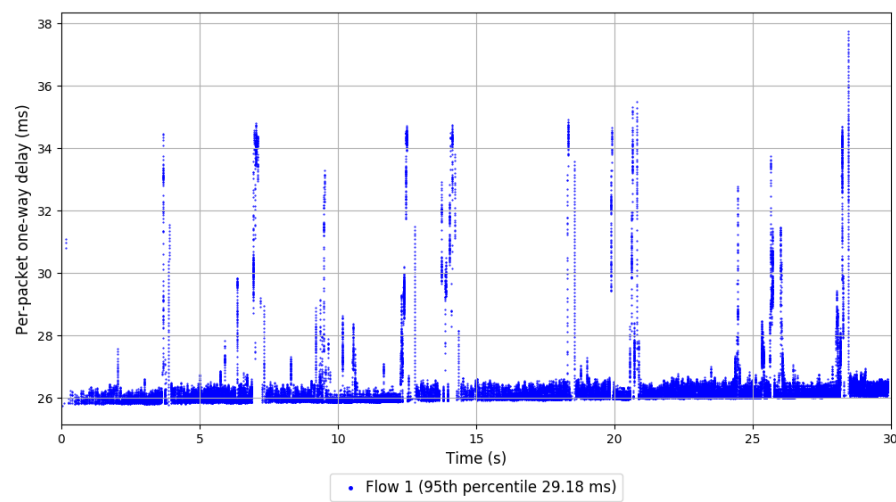
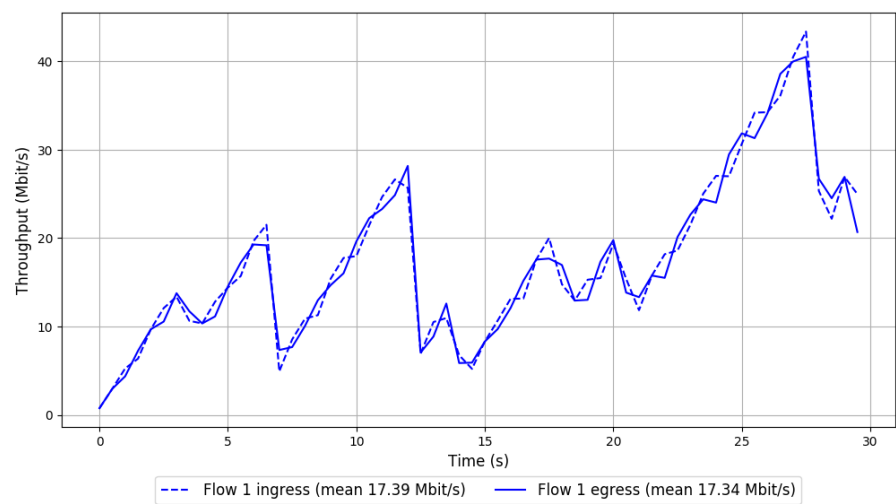
Run 1: Statistics of LEDBAT

Start at: 2017-09-23 00:30:46  
End at: 2017-09-23 00:31:16  
Local clock offset: -4.844 ms  
Remote clock offset: -1.699 ms

# Below is generated by plot.py at 2017-09-23 06:46:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 17.34 Mbit/s  
95th percentile per-packet one-way delay: 29.182 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 17.34 Mbit/s  
95th percentile per-packet one-way delay: 29.182 ms  
Loss rate: 0.55%



Run 1: Report of LEDBAT — Data Link

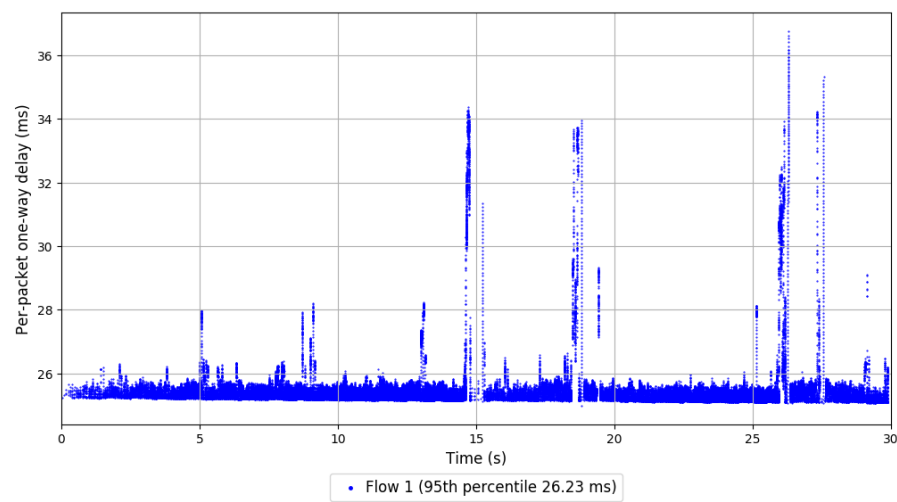
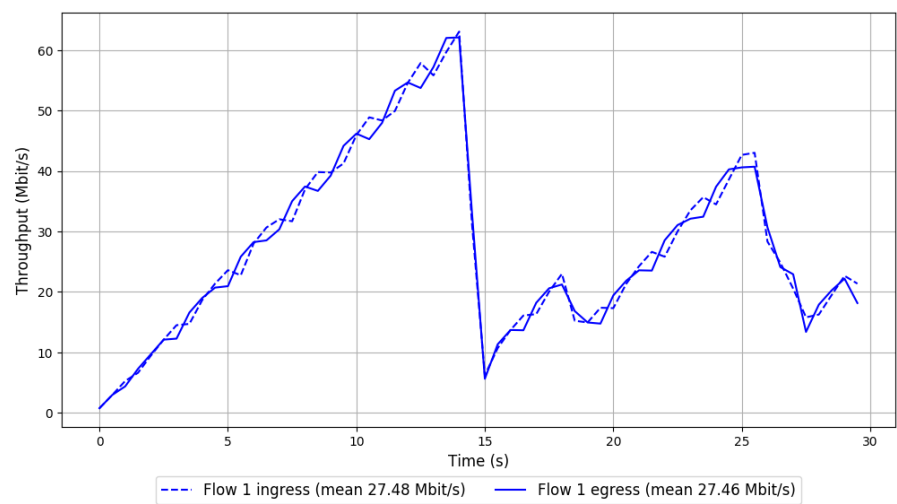


Run 2: Statistics of LEDBAT

Start at: 2017-09-23 00:49:29  
End at: 2017-09-23 00:49:59  
Local clock offset: -4.607 ms  
Remote clock offset: -1.497 ms

# Below is generated by plot.py at 2017-09-23 06:46:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 27.46 Mbit/s  
95th percentile per-packet one-way delay: 26.229 ms  
Loss rate: 0.29%  
-- Flow 1:  
Average throughput: 27.46 Mbit/s  
95th percentile per-packet one-way delay: 26.229 ms  
Loss rate: 0.29%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2017-09-23 01:08:24

End at: 2017-09-23 01:08:54

Local clock offset: -7.426 ms

Remote clock offset: 0.901 ms

# Below is generated by plot.py at 2017-09-23 06:46:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.86 Mbit/s

95th percentile per-packet one-way delay: 24.175 ms

Loss rate: 0.47%

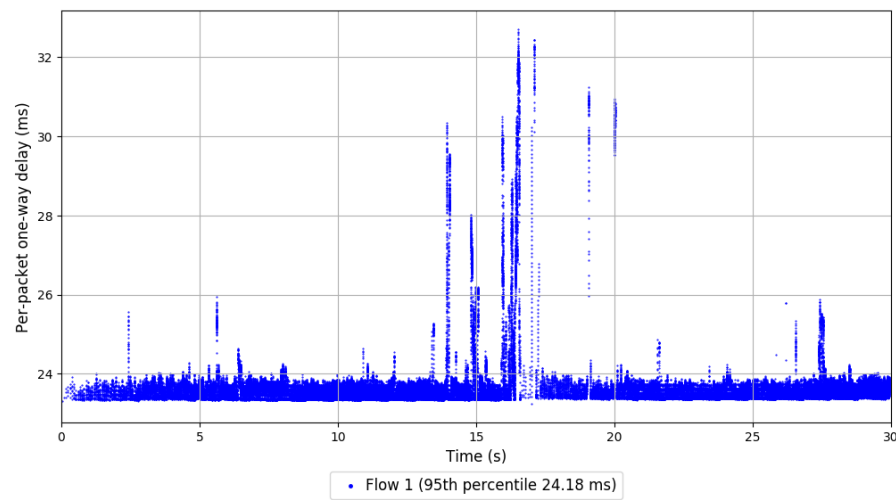
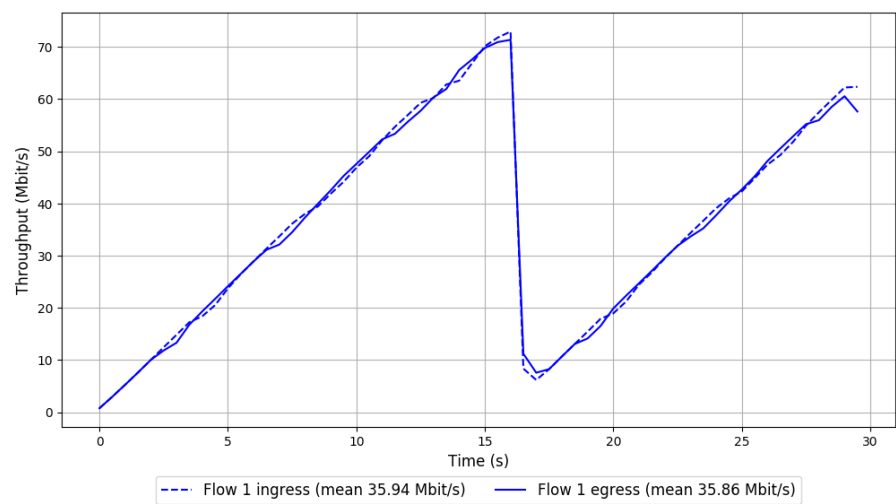
-- Flow 1:

Average throughput: 35.86 Mbit/s

95th percentile per-packet one-way delay: 24.175 ms

Loss rate: 0.47%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-09-23 01:27:57

End at: 2017-09-23 01:28:27

Local clock offset: -5.072 ms

Remote clock offset: 1.329 ms

# Below is generated by plot.py at 2017-09-23 06:46:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.28 Mbit/s

95th percentile per-packet one-way delay: 30.045 ms

Loss rate: 0.37%

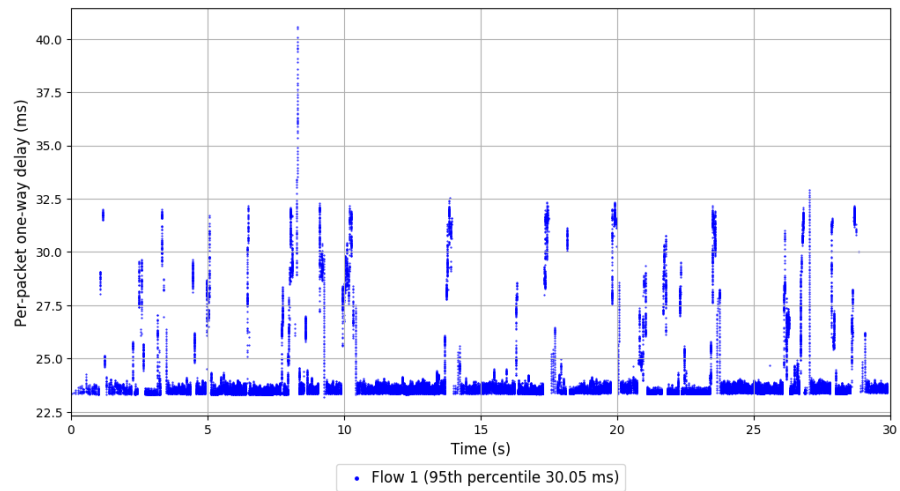
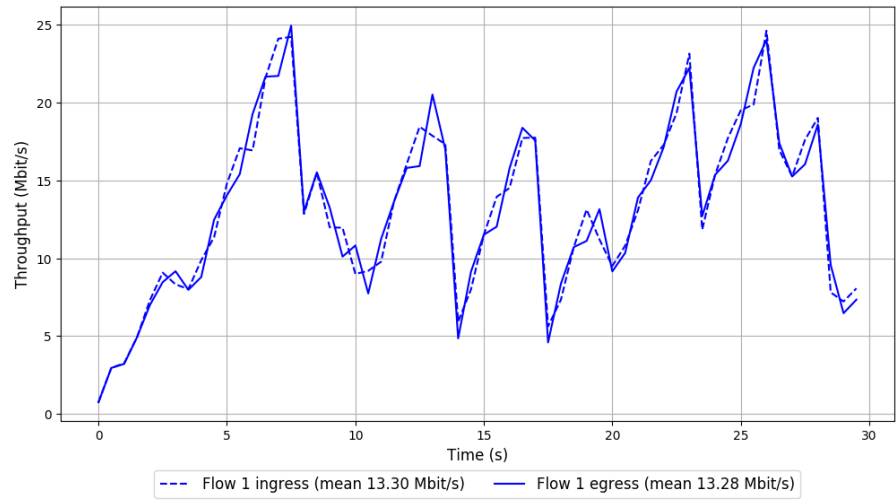
-- Flow 1:

Average throughput: 13.28 Mbit/s

95th percentile per-packet one-way delay: 30.045 ms

Loss rate: 0.37%

#### Run 4: Report of LEDBAT — Data Link



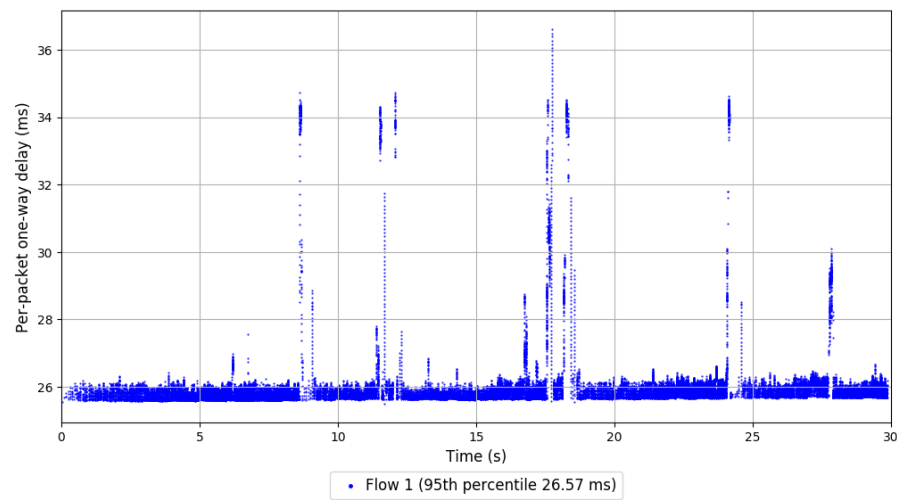
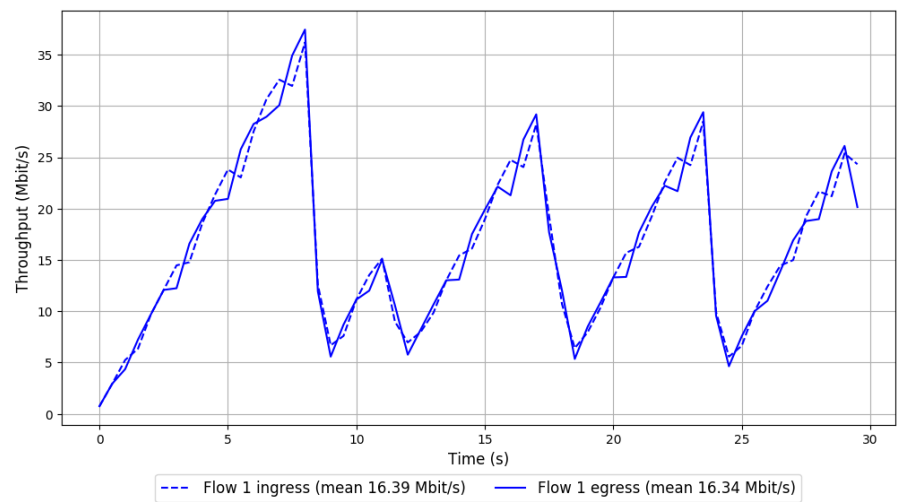
Run 5: Statistics of LEDBAT

Start at: 2017-09-23 01:47:09  
End at: 2017-09-23 01:47:39  
Local clock offset: -5.623 ms  
Remote clock offset: -0.399 ms

# Below is generated by plot.py at 2017-09-23 06:46:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 16.34 Mbit/s  
95th percentile per-packet one-way delay: 26.568 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 16.34 Mbit/s  
95th percentile per-packet one-way delay: 26.568 ms  
Loss rate: 0.57%



Run 5: Report of LEDBAT — Data Link

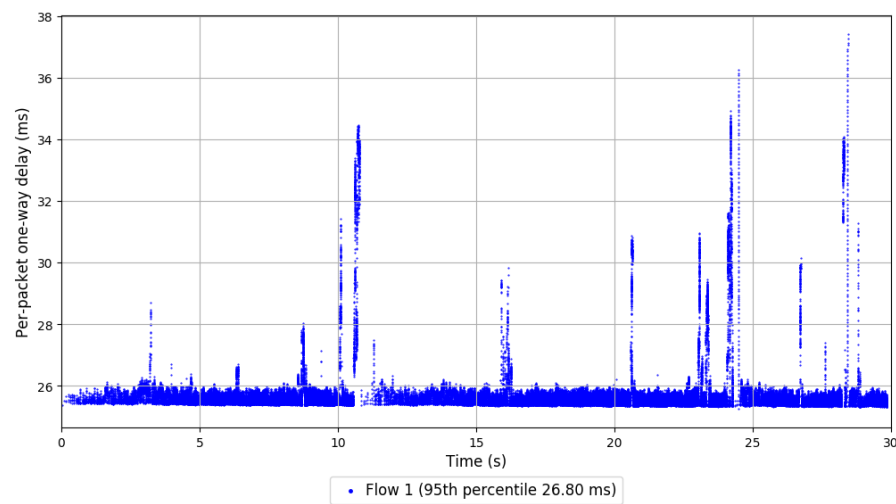
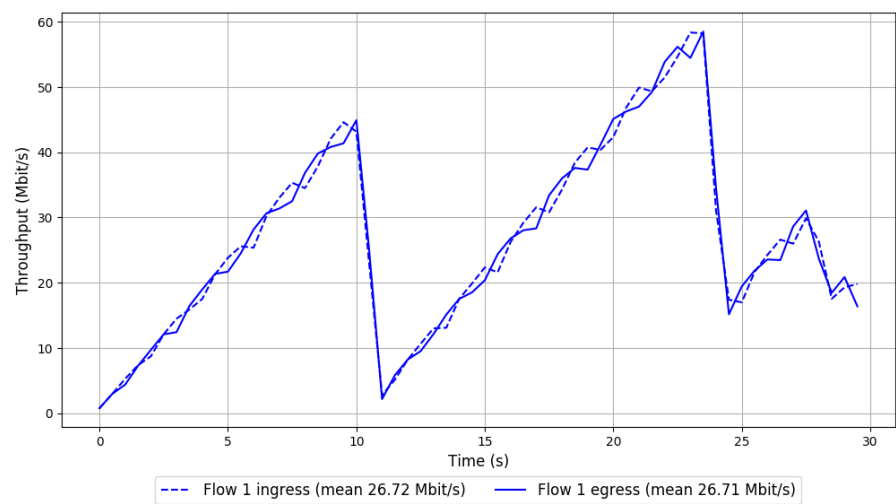


Run 6: Statistics of LEDBAT

Start at: 2017-09-23 02:05:55  
End at: 2017-09-23 02:06:25  
Local clock offset: -9.624 ms  
Remote clock offset: -0.207 ms

# Below is generated by plot.py at 2017-09-23 06:46:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 26.71 Mbit/s  
95th percentile per-packet one-way delay: 26.804 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 26.71 Mbit/s  
95th percentile per-packet one-way delay: 26.804 ms  
Loss rate: 0.28%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2017-09-23 02:24:35

End at: 2017-09-23 02:25:05

Local clock offset: -8.503 ms

Remote clock offset: 1.952 ms

# Below is generated by plot.py at 2017-09-23 06:46:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 49.30 Mbit/s

95th percentile per-packet one-way delay: 23.769 ms

Loss rate: 0.45%

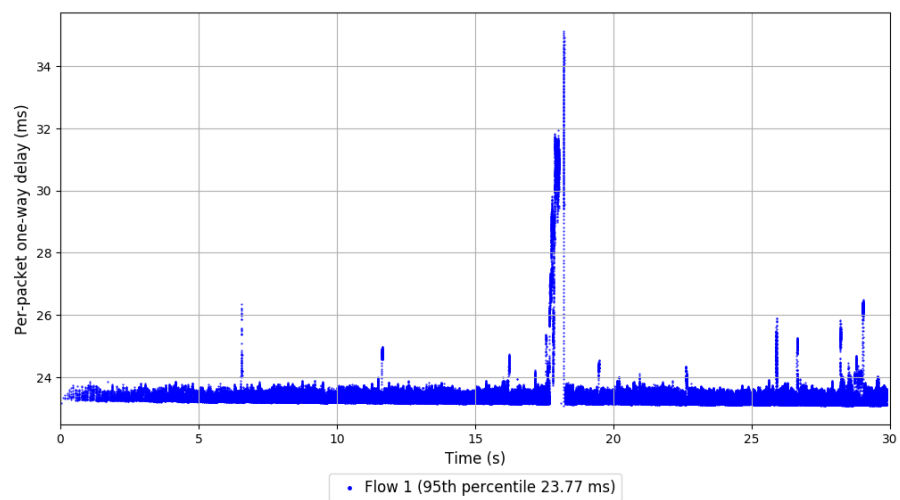
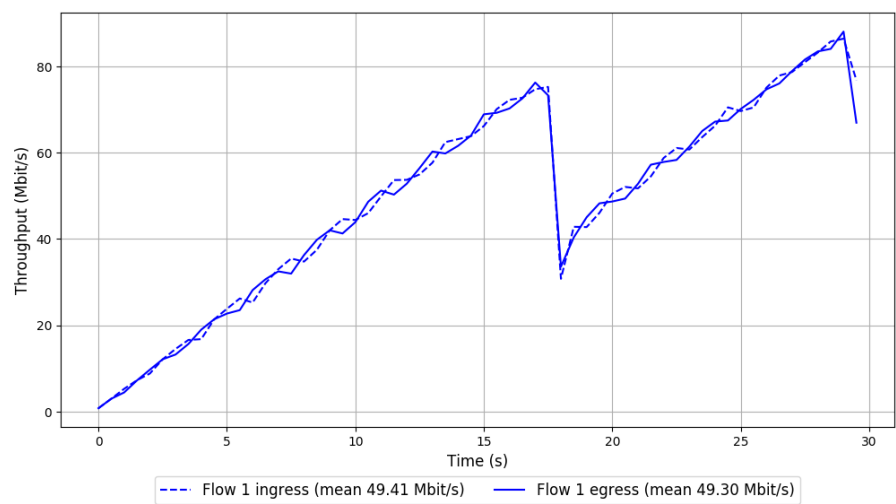
-- Flow 1:

Average throughput: 49.30 Mbit/s

95th percentile per-packet one-way delay: 23.769 ms

Loss rate: 0.45%

## Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2017-09-23 02:43:21

End at: 2017-09-23 02:43:51

Local clock offset: -4.773 ms

Remote clock offset: 2.407 ms

# Below is generated by plot.py at 2017-09-23 06:46:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.86 Mbit/s

95th percentile per-packet one-way delay: 24.435 ms

Loss rate: 0.20%

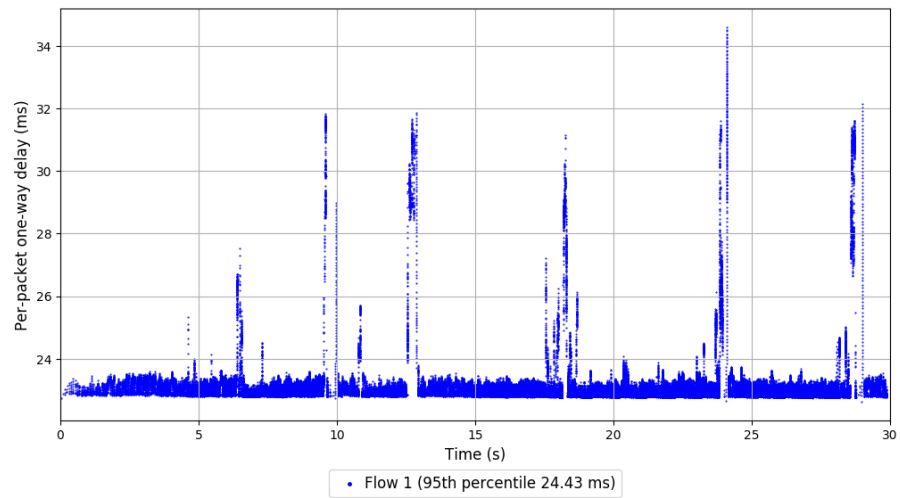
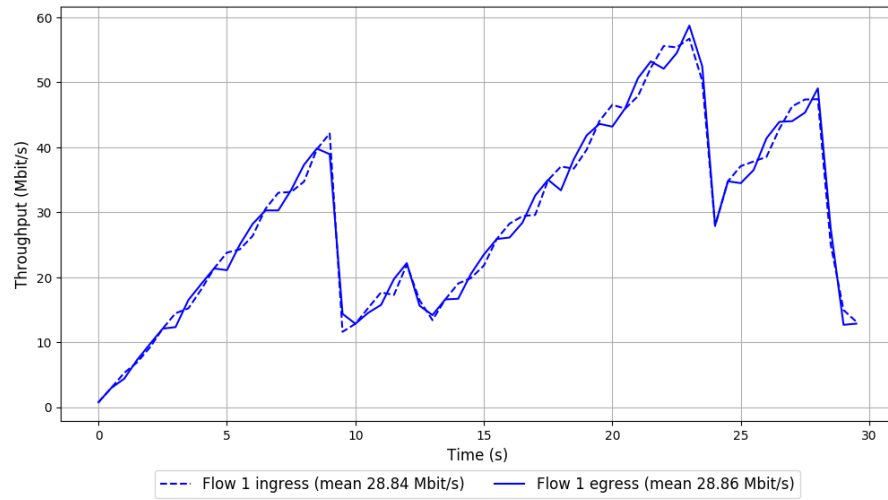
-- Flow 1:

Average throughput: 28.86 Mbit/s

95th percentile per-packet one-way delay: 24.435 ms

Loss rate: 0.20%

# Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2017-09-23 03:02:02

End at: 2017-09-23 03:02:32

Local clock offset: -4.206 ms

Remote clock offset: 1.837 ms

# Below is generated by plot.py at 2017-09-23 06:46:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.08 Mbit/s

95th percentile per-packet one-way delay: 35.288 ms

Loss rate: 0.45%

-- Flow 1:

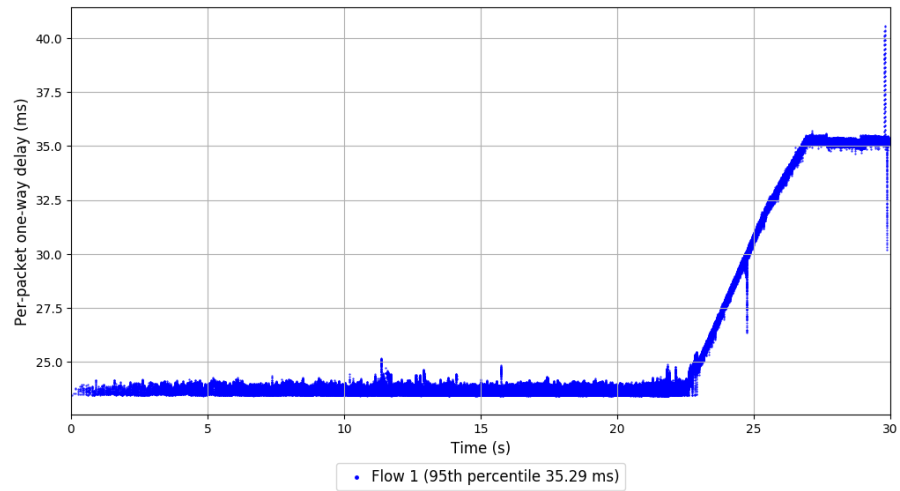
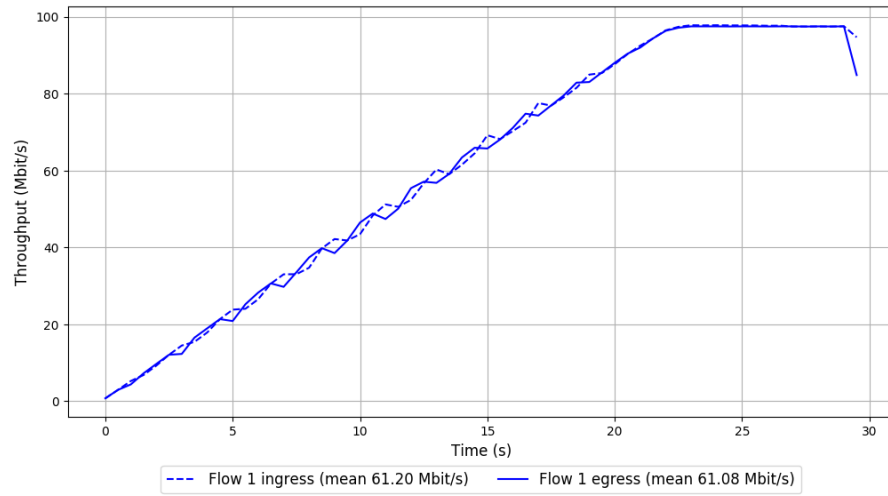
Average throughput: 61.08 Mbit/s

95th percentile per-packet one-way delay: 35.288 ms

Loss rate: 0.45%



### Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2017-09-23 03:20:51

End at: 2017-09-23 03:21:21

Local clock offset: -3.344 ms

Remote clock offset: 1.406 ms

# Below is generated by plot.py at 2017-09-23 06:46:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 62.50 Mbit/s

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

Loss rate: 0.44%

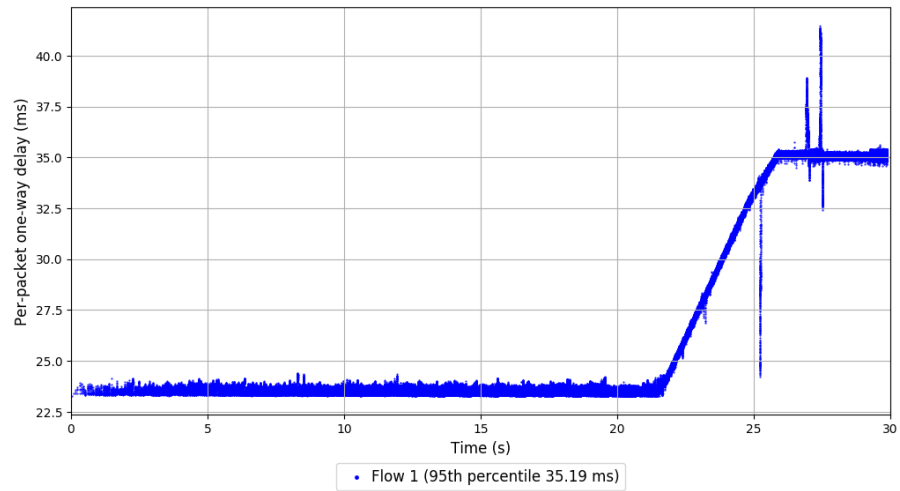
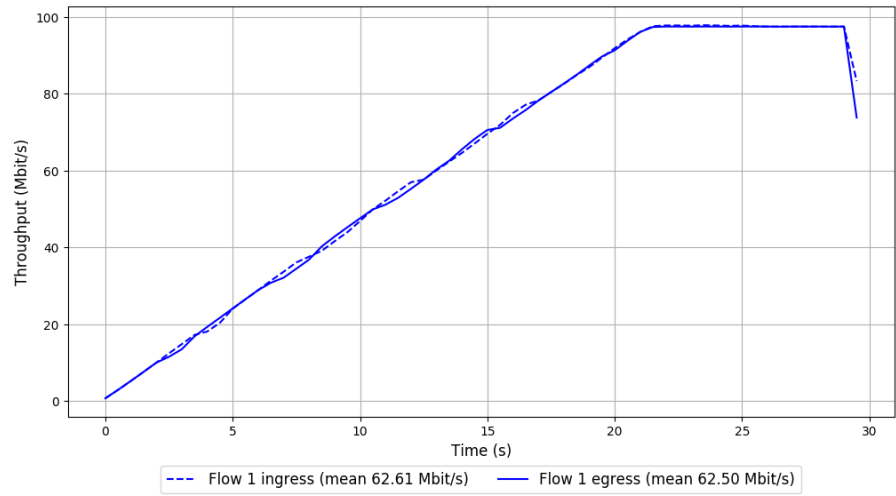
-- Flow 1:

Average throughput: 62.50 Mbit/s

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

Loss rate: 0.44%

### Run 10: Report of LEDBAT — Data Link

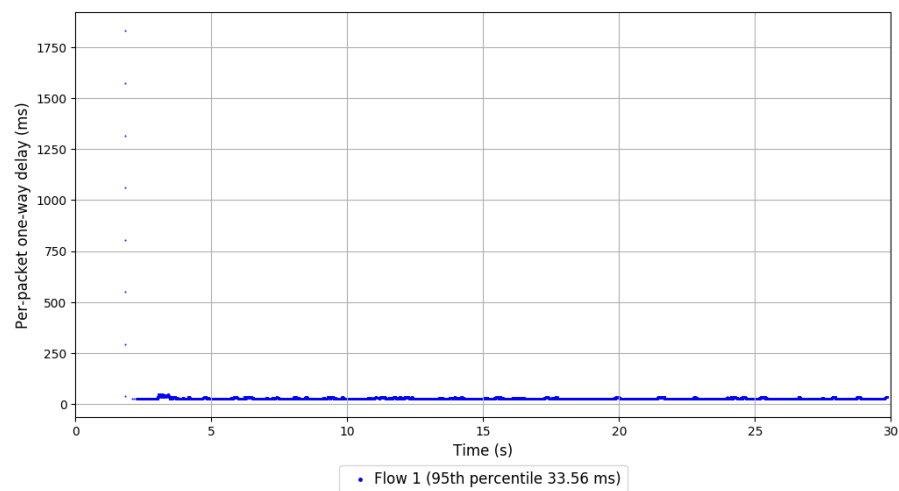
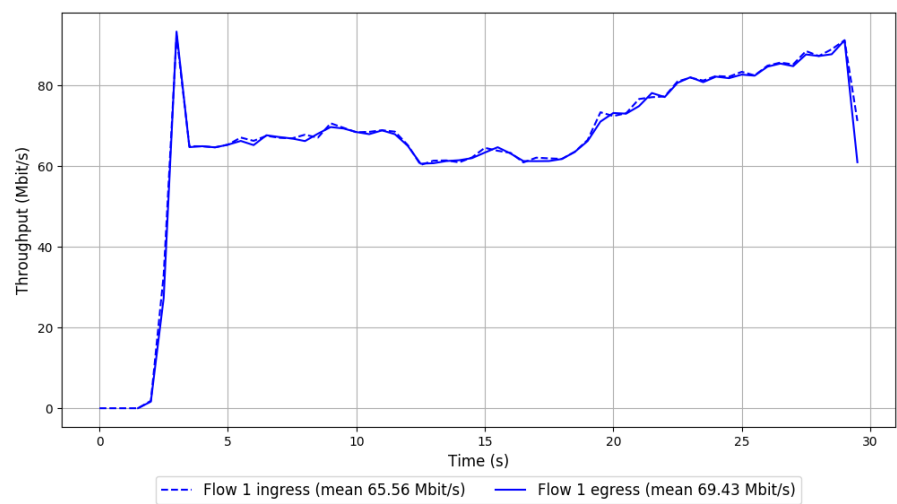


Run 1: Statistics of PCC

Start at: 2017-09-23 00:29:26  
End at: 2017-09-23 00:29:56  
Local clock offset: -4.249 ms  
Remote clock offset: -1.665 ms

# Below is generated by plot.py at 2017-09-23 06:46:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 69.43 Mbit/s  
95th percentile per-packet one-way delay: 33.564 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 69.43 Mbit/s  
95th percentile per-packet one-way delay: 33.564 ms  
Loss rate: 0.76%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-09-23 00:48:09

End at: 2017-09-23 00:48:39

Local clock offset: -5.432 ms

Remote clock offset: 0.616 ms

# Below is generated by plot.py at 2017-09-23 06:47:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 29.648 ms

Loss rate: 0.40%

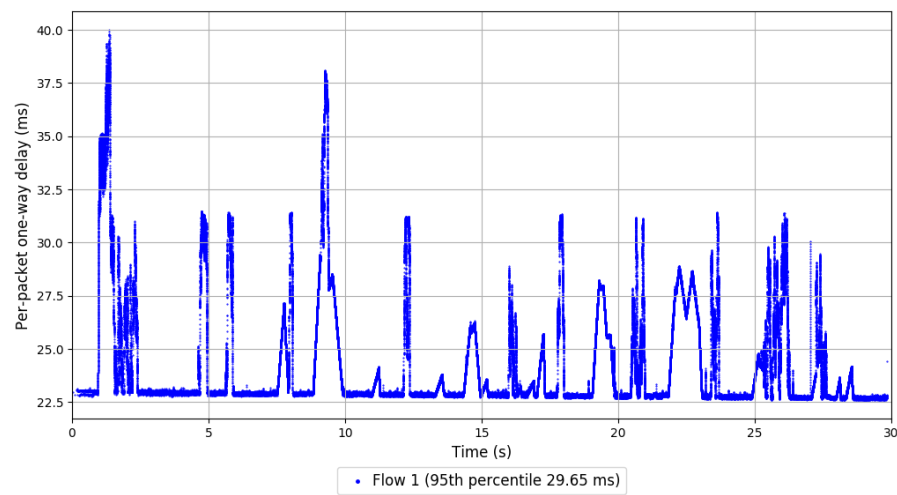
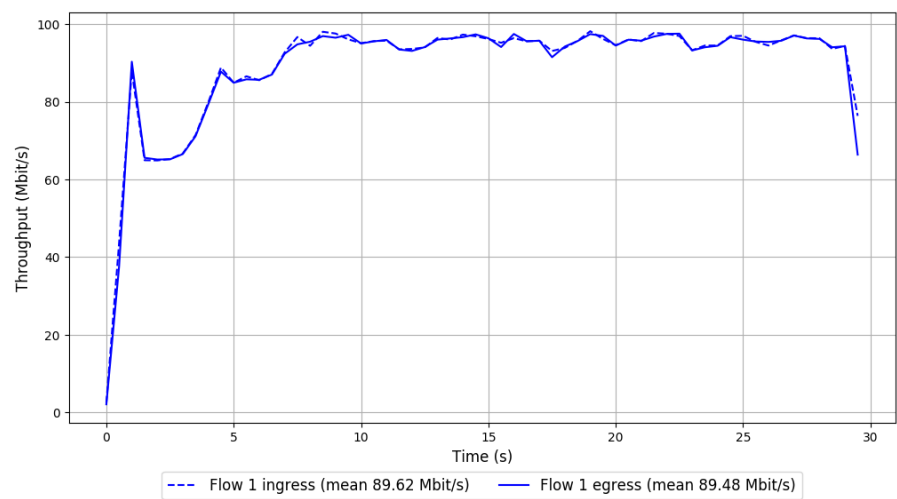
-- Flow 1:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 29.648 ms

Loss rate: 0.40%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-09-23 01:07:03

End at: 2017-09-23 01:07:33

Local clock offset: -7.288 ms

Remote clock offset: 0.787 ms

# Below is generated by plot.py at 2017-09-23 06:47:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.26 Mbit/s

95th percentile per-packet one-way delay: 36.231 ms

Loss rate: 0.47%

-- Flow 1:

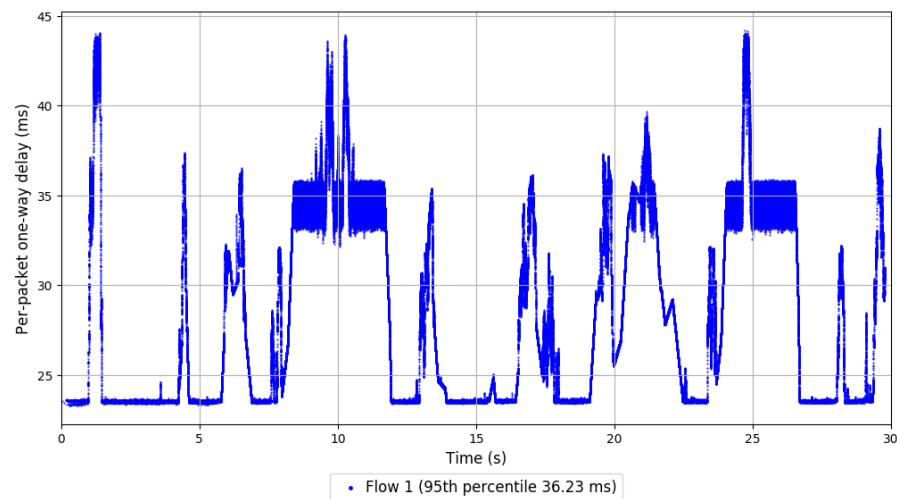
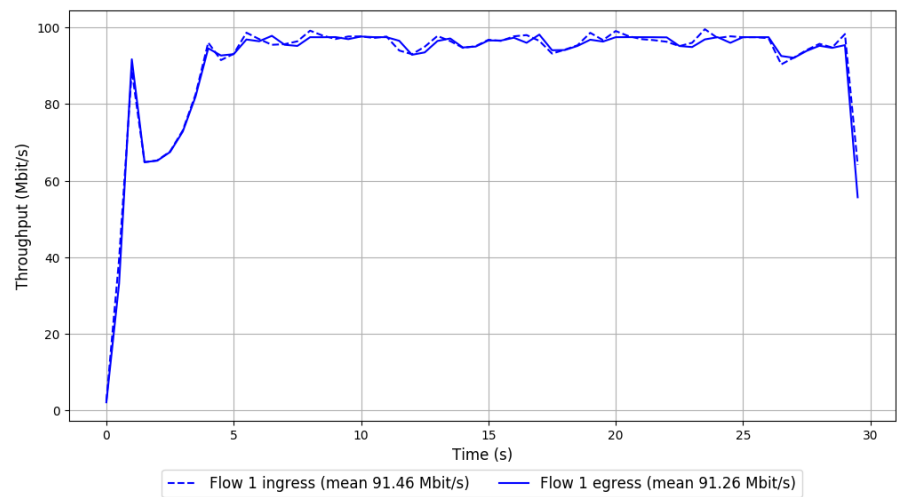
Average throughput: 91.26 Mbit/s

95th percentile per-packet one-way delay: 36.231 ms

Loss rate: 0.47%



Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-09-23 01:26:38

End at: 2017-09-23 01:27:08

Local clock offset: -4.917 ms

Remote clock offset: 1.251 ms

# Below is generated by plot.py at 2017-09-23 06:47:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 34.691 ms

Loss rate: 0.81%

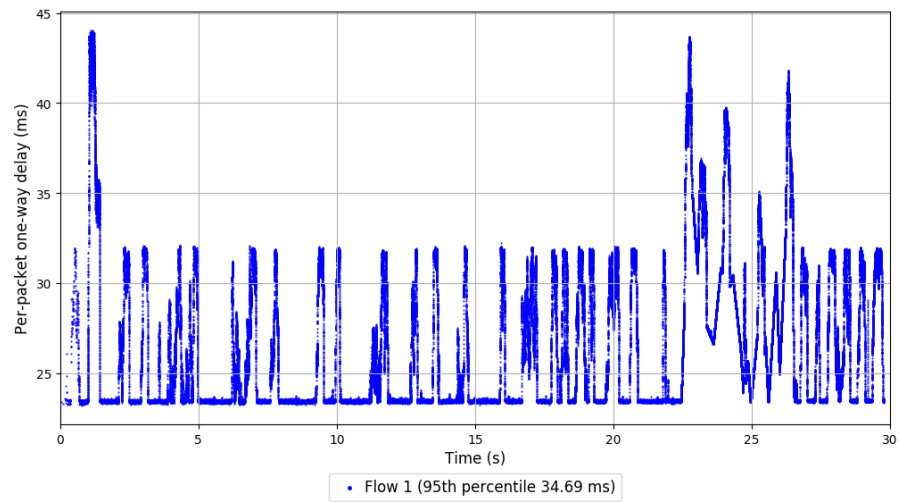
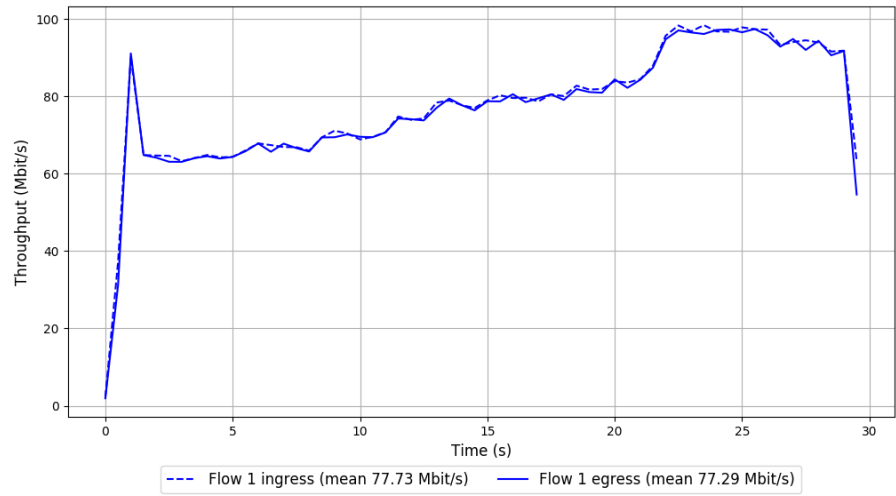
-- Flow 1:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 34.691 ms

Loss rate: 0.81%

#### Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-09-23 01:45:44

End at: 2017-09-23 01:46:14

Local clock offset: -5.353 ms

Remote clock offset: -0.54 ms

# Below is generated by plot.py at 2017-09-23 06:47:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.99 Mbit/s

95th percentile per-packet one-way delay: 38.796 ms

Loss rate: 0.75%

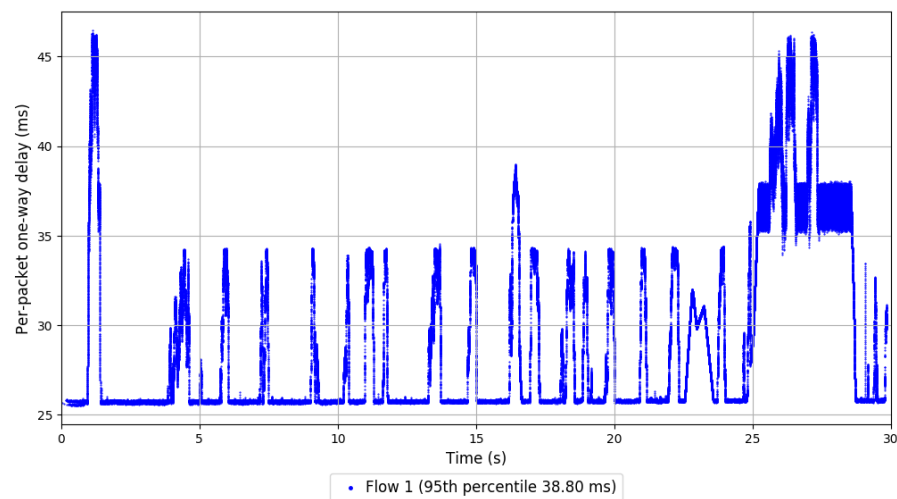
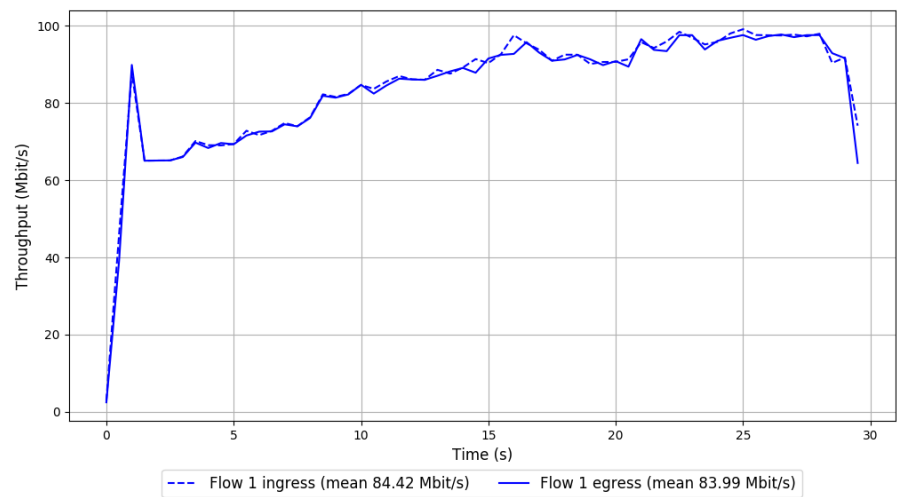
-- Flow 1:

Average throughput: 83.99 Mbit/s

95th percentile per-packet one-way delay: 38.796 ms

Loss rate: 0.75%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-09-23 02:04:34

End at: 2017-09-23 02:05:04

Local clock offset: -9.49 ms

Remote clock offset: 1.911 ms

# Below is generated by plot.py at 2017-09-23 06:47:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.44 Mbit/s

95th percentile per-packet one-way delay: 35.117 ms

Loss rate: 0.59%

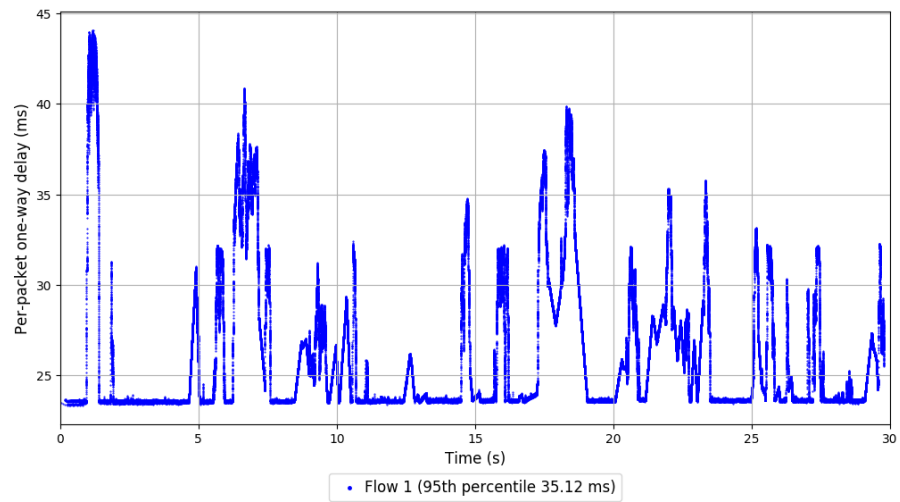
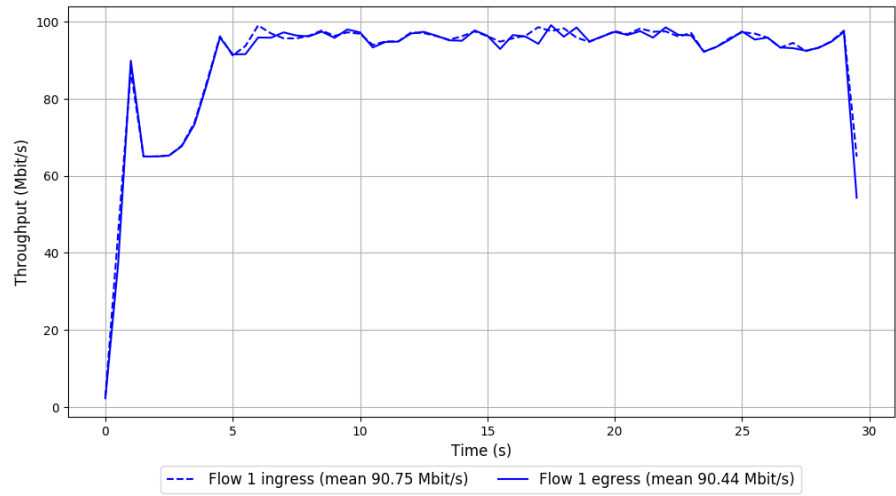
-- Flow 1:

Average throughput: 90.44 Mbit/s

95th percentile per-packet one-way delay: 35.117 ms

Loss rate: 0.59%

## Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-09-23 02:23:15

End at: 2017-09-23 02:23:45

Local clock offset: -9.031 ms

Remote clock offset: 1.92 ms

# Below is generated by plot.py at 2017-09-23 06:48:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.64 Mbit/s

95th percentile per-packet one-way delay: 33.737 ms

Loss rate: 0.41%

-- Flow 1:

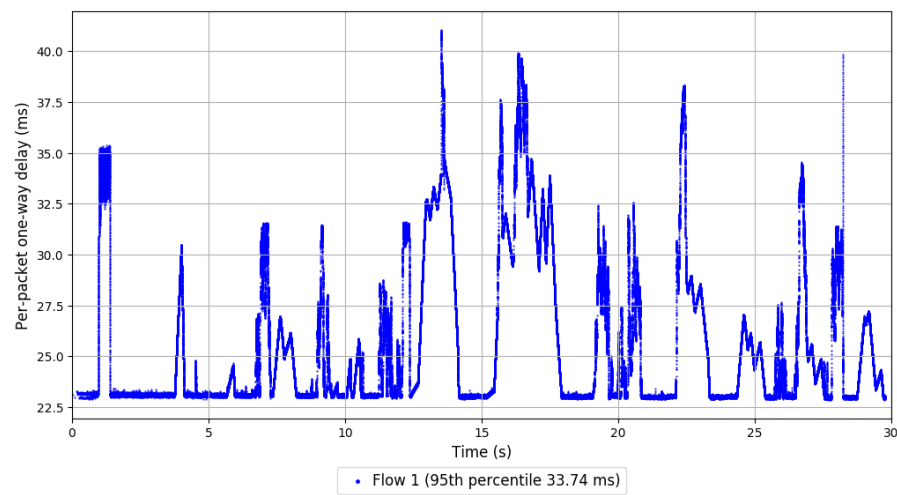
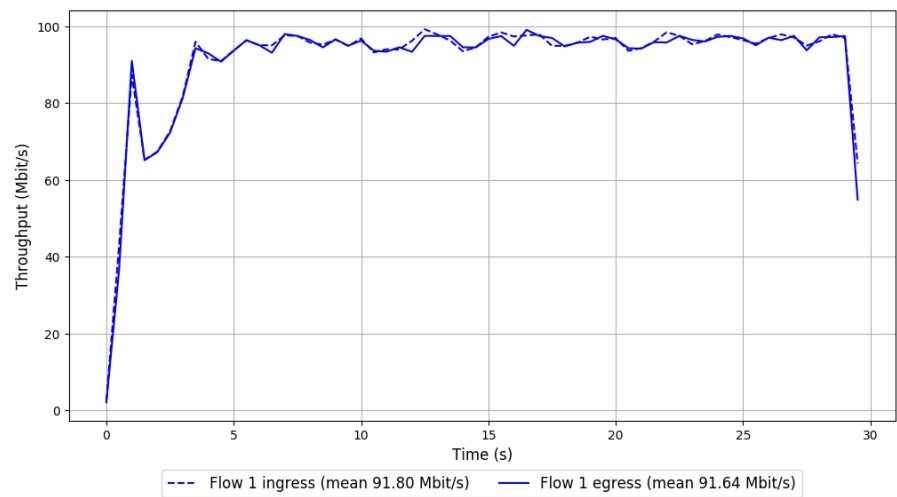
Average throughput: 91.64 Mbit/s

95th percentile per-packet one-way delay: 33.737 ms

Loss rate: 0.41%



Run 7: Report of PCC — Data Link

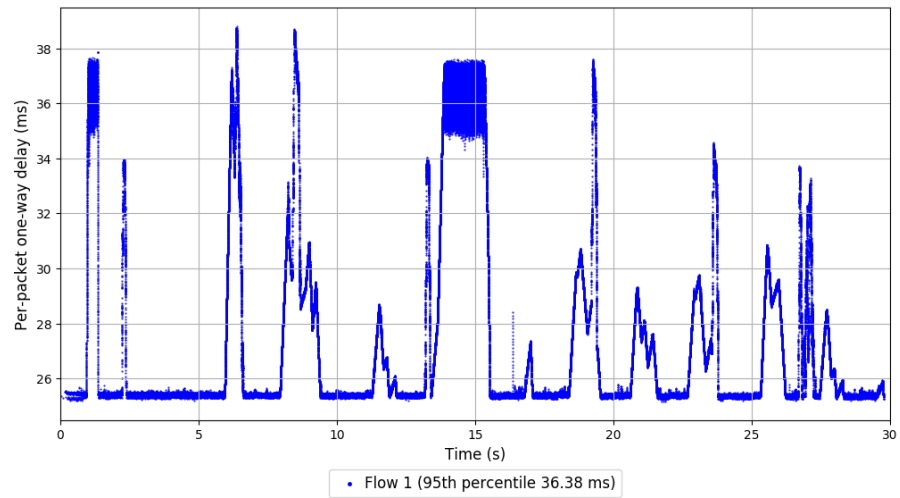
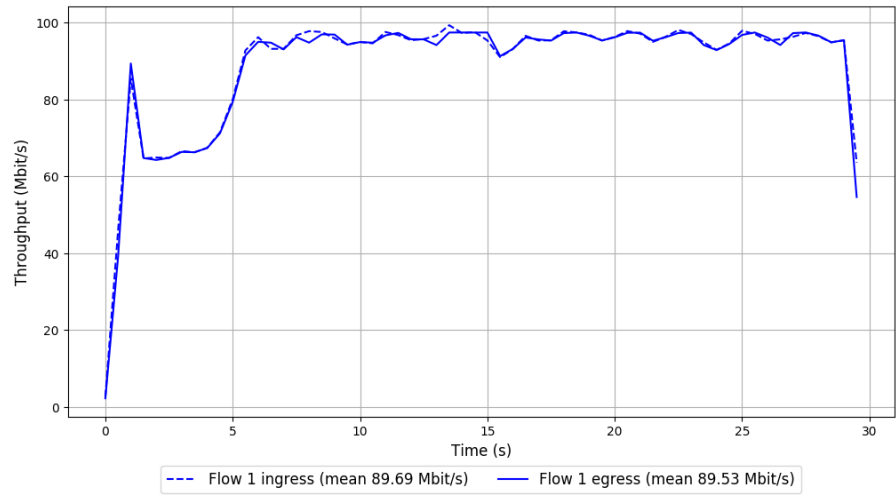


Run 8: Statistics of PCC

Start at: 2017-09-23 02:42:01  
End at: 2017-09-23 02:42:31  
Local clock offset: -4.924 ms  
Remote clock offset: -0.239 ms

# Below is generated by plot.py at 2017-09-23 06:48:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.53 Mbit/s  
95th percentile per-packet one-way delay: 36.379 ms  
Loss rate: 0.42%  
-- Flow 1:  
Average throughput: 89.53 Mbit/s  
95th percentile per-packet one-way delay: 36.379 ms  
Loss rate: 0.42%

## Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-09-23 03:00:42

End at: 2017-09-23 03:01:12

Local clock offset: -4.276 ms

Remote clock offset: 1.852 ms

# Below is generated by plot.py at 2017-09-23 06:48:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.04 Mbit/s

95th percentile per-packet one-way delay: 29.272 ms

Loss rate: 0.26%

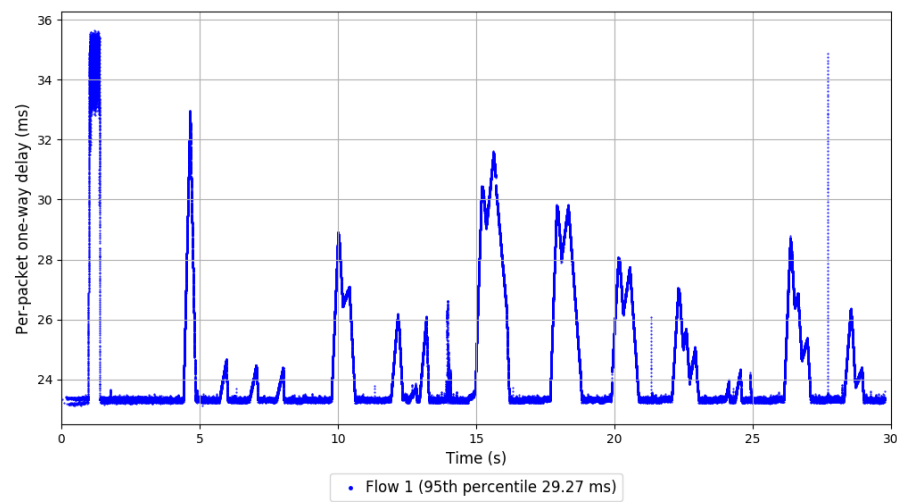
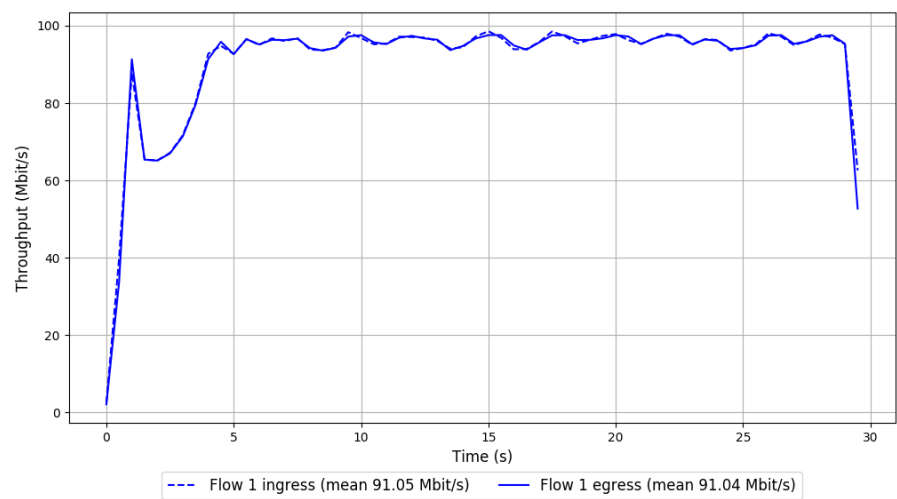
-- Flow 1:

Average throughput: 91.04 Mbit/s

95th percentile per-packet one-way delay: 29.272 ms

Loss rate: 0.26%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2017-09-23 03:19:31

End at: 2017-09-23 03:20:01

Local clock offset: -3.555 ms

Remote clock offset: 1.326 ms

# Below is generated by plot.py at 2017-09-23 06:48:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.12 Mbit/s

95th percentile per-packet one-way delay: 29.199 ms

Loss rate: 0.28%

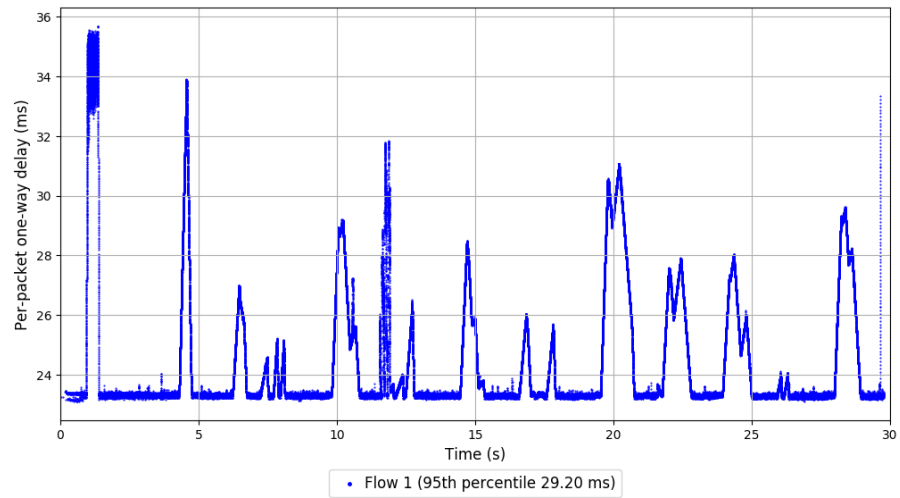
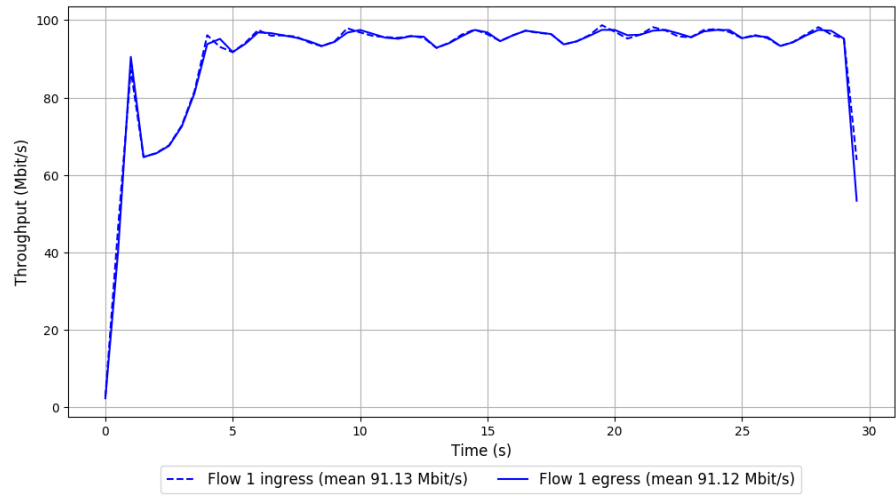
-- Flow 1:

Average throughput: 91.12 Mbit/s

95th percentile per-packet one-way delay: 29.199 ms

Loss rate: 0.28%

### Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-09-23 00:28:07

End at: 2017-09-23 00:28:37

Local clock offset: -3.753 ms

Remote clock offset: -1.775 ms

# Below is generated by plot.py at 2017-09-23 06:48:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.61 Mbit/s

95th percentile per-packet one-way delay: 36.802 ms

Loss rate: 0.61%

-- Flow 1:

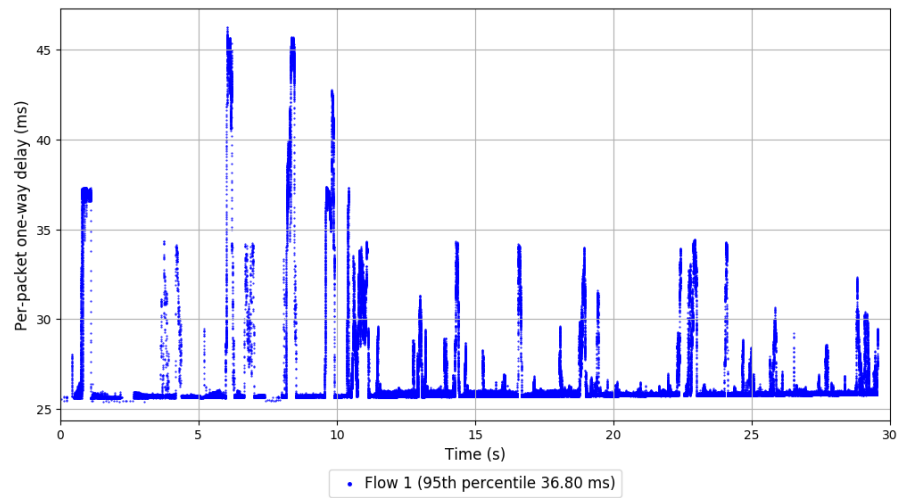
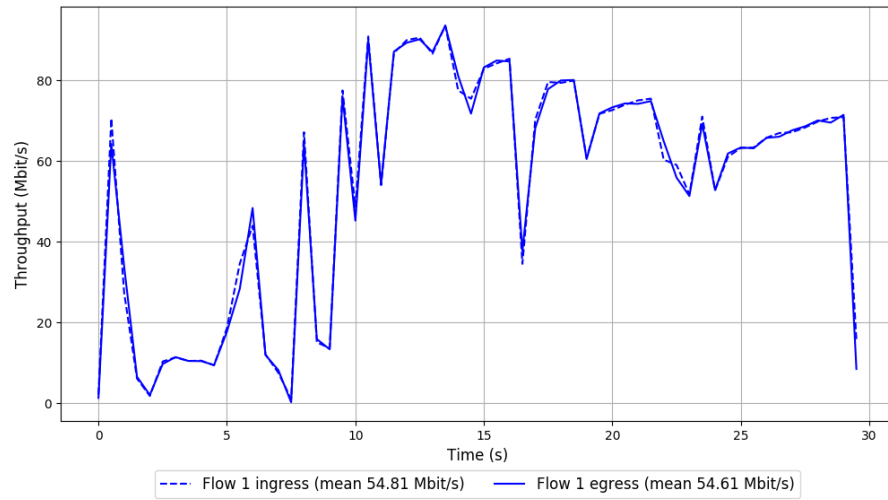
Average throughput: 54.61 Mbit/s

95th percentile per-packet one-way delay: 36.802 ms

Loss rate: 0.61%



### Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-09-23 00:46:49

End at: 2017-09-23 00:47:19

Local clock offset: -6.641 ms

Remote clock offset: -1.496 ms

# Below is generated by plot.py at 2017-09-23 06:48:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.77 Mbit/s

95th percentile per-packet one-way delay: 36.436 ms

Loss rate: 0.35%

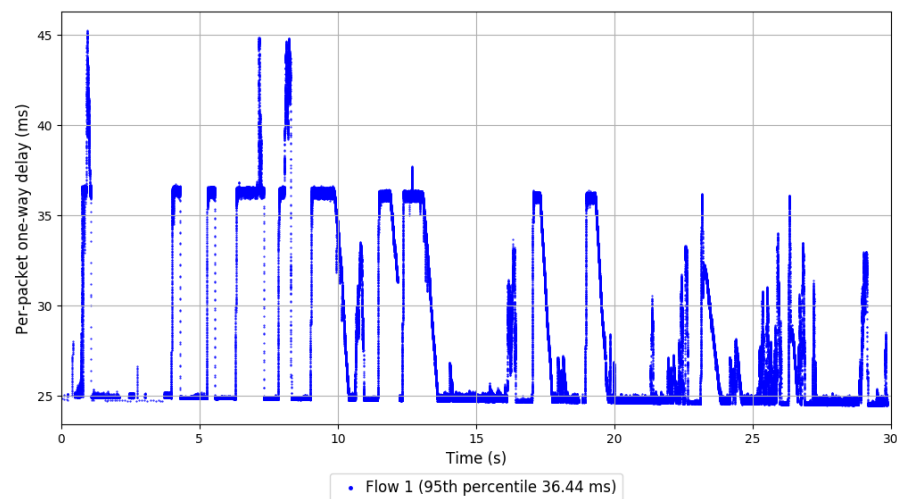
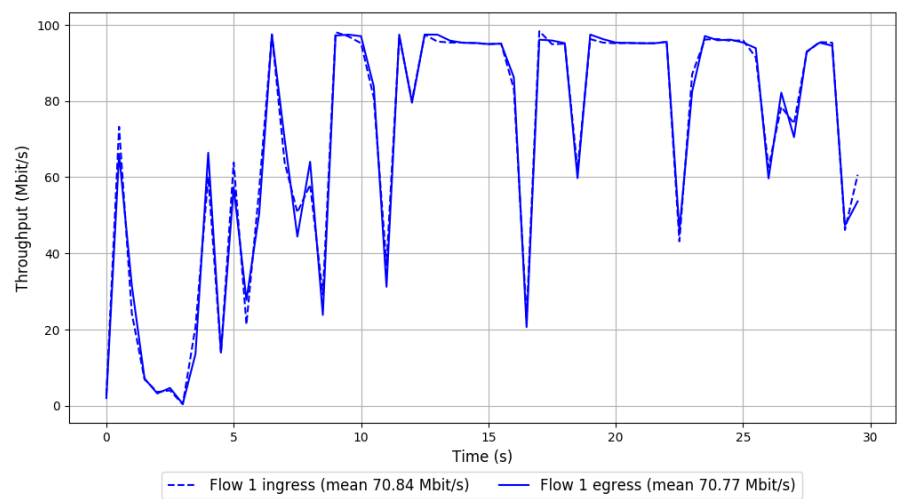
-- Flow 1:

Average throughput: 70.77 Mbit/s

95th percentile per-packet one-way delay: 36.436 ms

Loss rate: 0.35%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-09-23 01:05:42

End at: 2017-09-23 01:06:12

Local clock offset: -7.443 ms

Remote clock offset: 1.237 ms

# Below is generated by plot.py at 2017-09-23 06:48:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.43 Mbit/s

95th percentile per-packet one-way delay: 34.492 ms

Loss rate: 0.37%

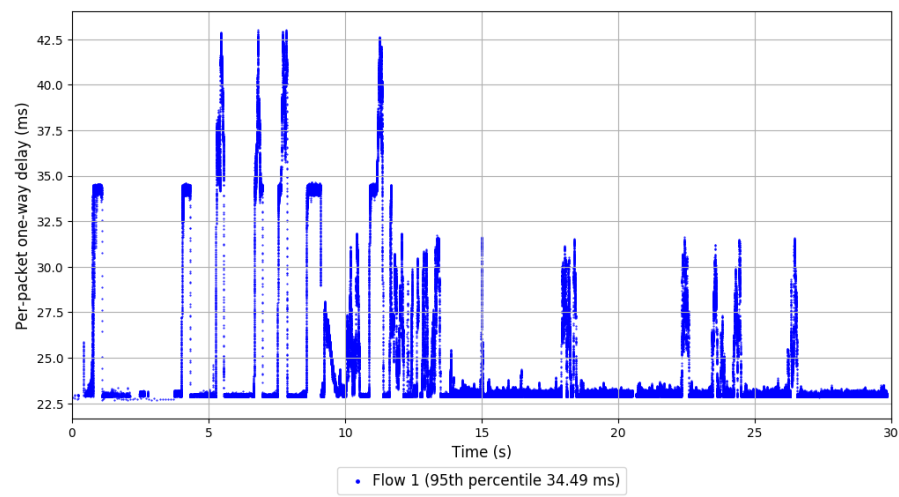
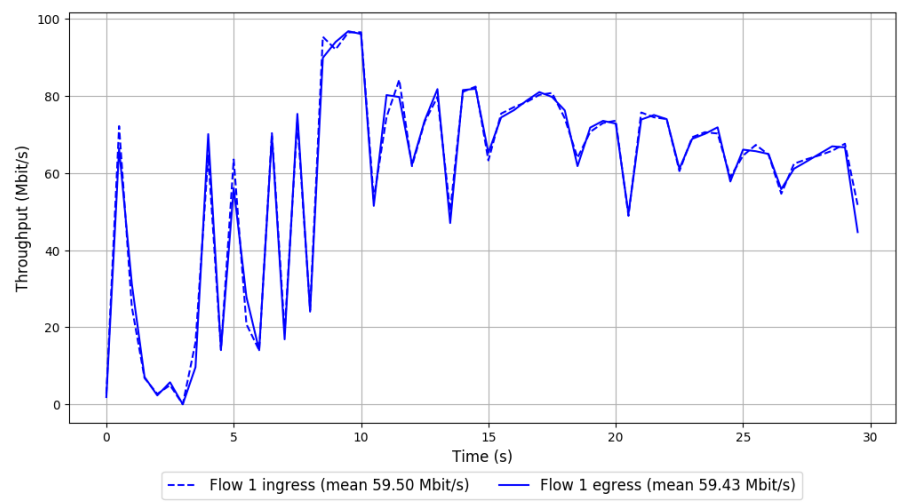
-- Flow 1:

Average throughput: 59.43 Mbit/s

95th percentile per-packet one-way delay: 34.492 ms

Loss rate: 0.37%

Run 3: Report of QUIC Cubic — Data Link

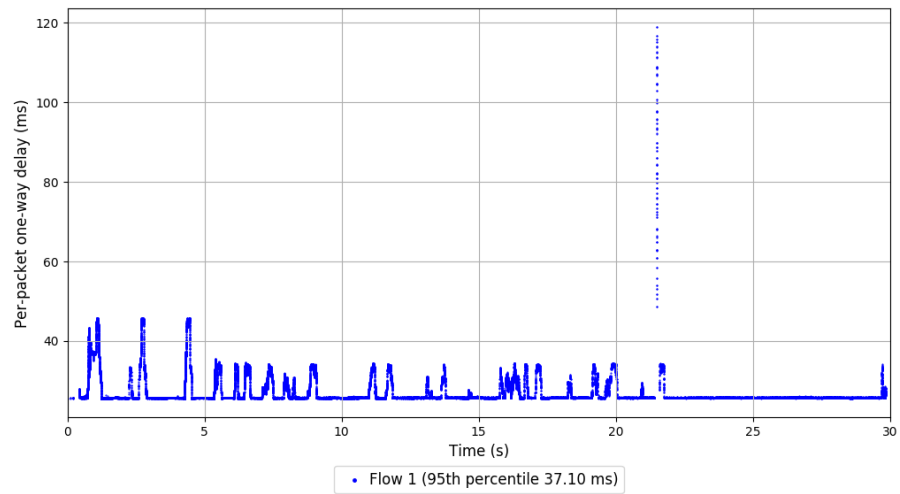
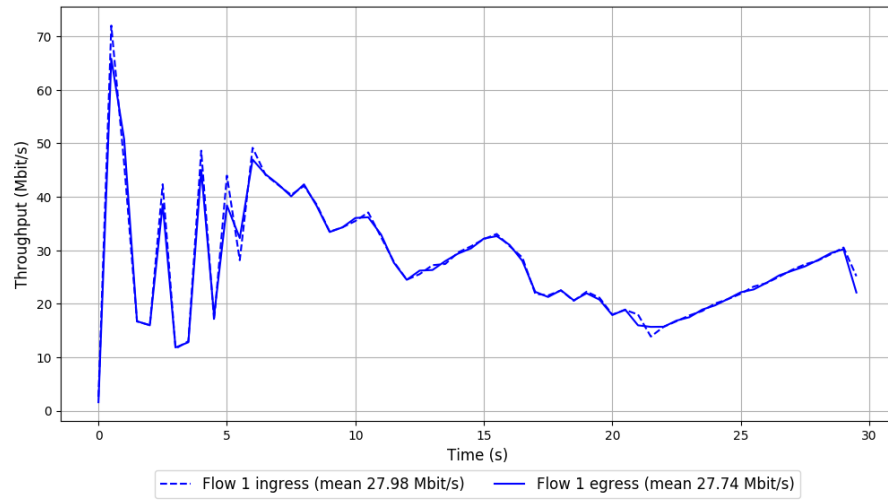


Run 4: Statistics of QUIC Cubic

Start at: 2017-09-23 01:25:19  
End at: 2017-09-23 01:25:49  
Local clock offset: -4.889 ms  
Remote clock offset: -0.908 ms

# Below is generated by plot.py at 2017-09-23 06:48:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 27.74 Mbit/s  
95th percentile per-packet one-way delay: 37.097 ms  
Loss rate: 1.10%  
-- Flow 1:  
Average throughput: 27.74 Mbit/s  
95th percentile per-packet one-way delay: 37.097 ms  
Loss rate: 1.10%

#### Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-09-23 01:44:21

End at: 2017-09-23 01:44:51

Local clock offset: -5.202 ms

Remote clock offset: 1.566 ms

# Below is generated by plot.py at 2017-09-23 06:48:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.75 Mbit/s

95th percentile per-packet one-way delay: 32.242 ms

Loss rate: 0.70%

-- Flow 1:

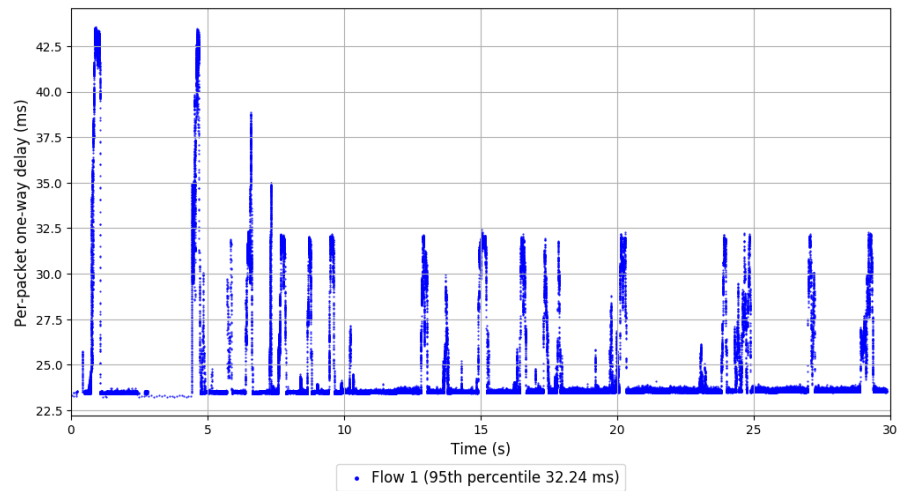
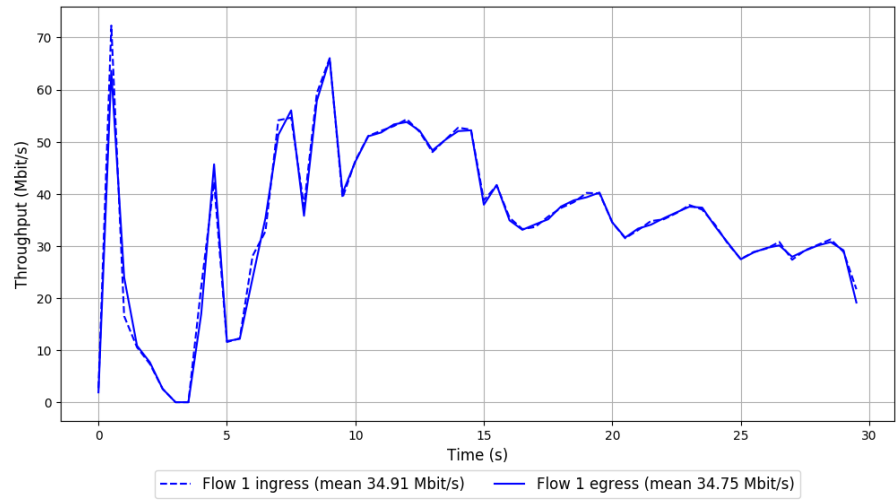
Average throughput: 34.75 Mbit/s

95th percentile per-packet one-way delay: 32.242 ms

Loss rate: 0.70%



### Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2017-09-23 02:03:08

End at: 2017-09-23 02:03:38

Local clock offset: -9.165 ms

Remote clock offset: 1.774 ms

# Below is generated by plot.py at 2017-09-23 06:49:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.06 Mbit/s

95th percentile per-packet one-way delay: 31.503 ms

Loss rate: 0.54%

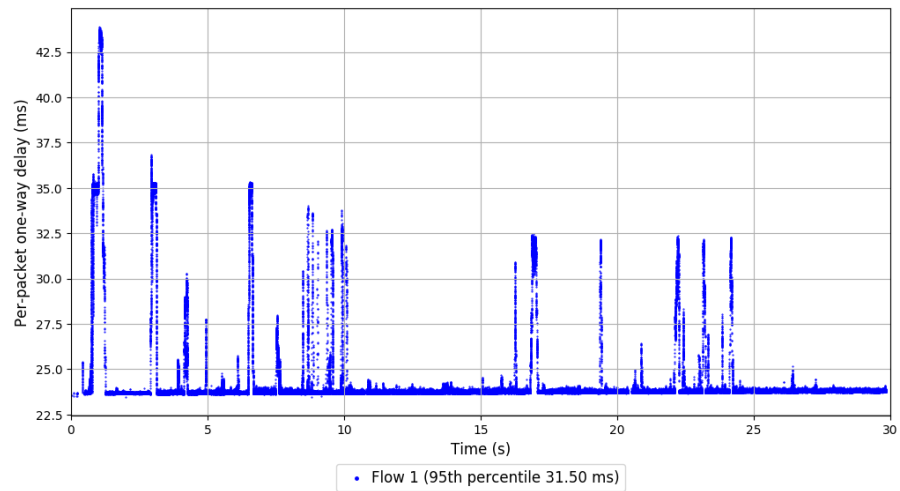
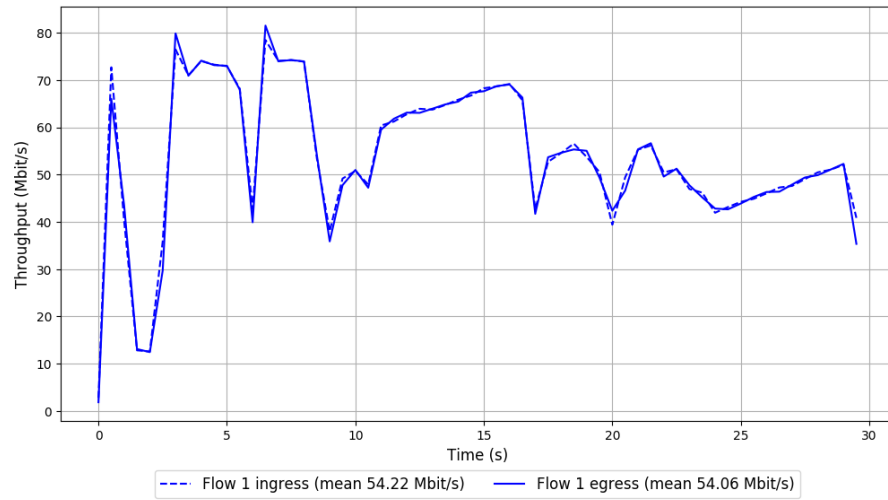
-- Flow 1:

Average throughput: 54.06 Mbit/s

95th percentile per-packet one-way delay: 31.503 ms

Loss rate: 0.54%

## Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-09-23 02:21:55

End at: 2017-09-23 02:22:25

Local clock offset: -8.956 ms

Remote clock offset: 2.398 ms

# Below is generated by plot.py at 2017-09-23 06:49:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.71 Mbit/s

95th percentile per-packet one-way delay: 37.676 ms

Loss rate: 0.55%

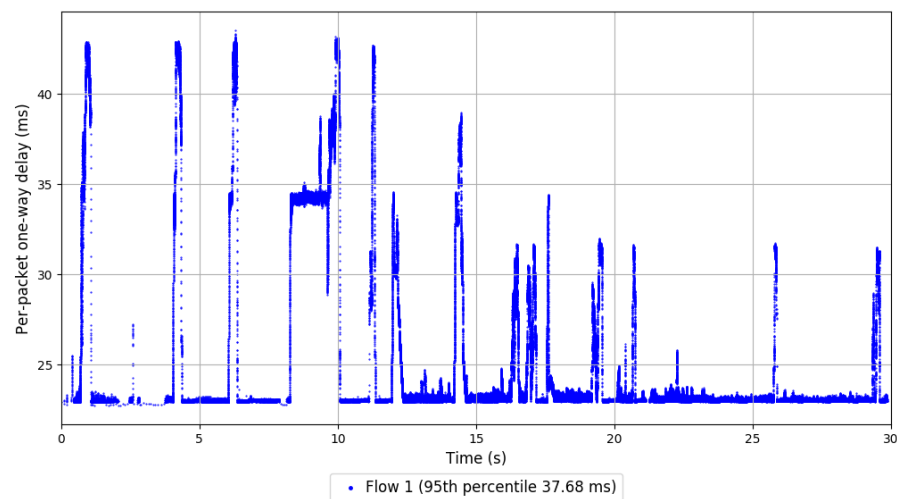
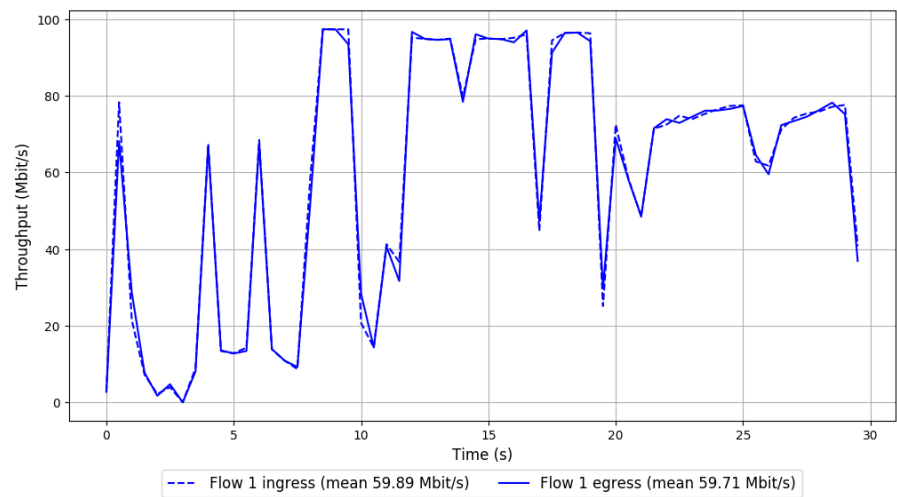
-- Flow 1:

Average throughput: 59.71 Mbit/s

95th percentile per-packet one-way delay: 37.676 ms

Loss rate: 0.55%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-09-23 02:40:40

End at: 2017-09-23 02:41:10

Local clock offset: -5.175 ms

Remote clock offset: 2.383 ms

# Below is generated by plot.py at 2017-09-23 06:49:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.38 Mbit/s

95th percentile per-packet one-way delay: 35.986 ms

Loss rate: 0.38%

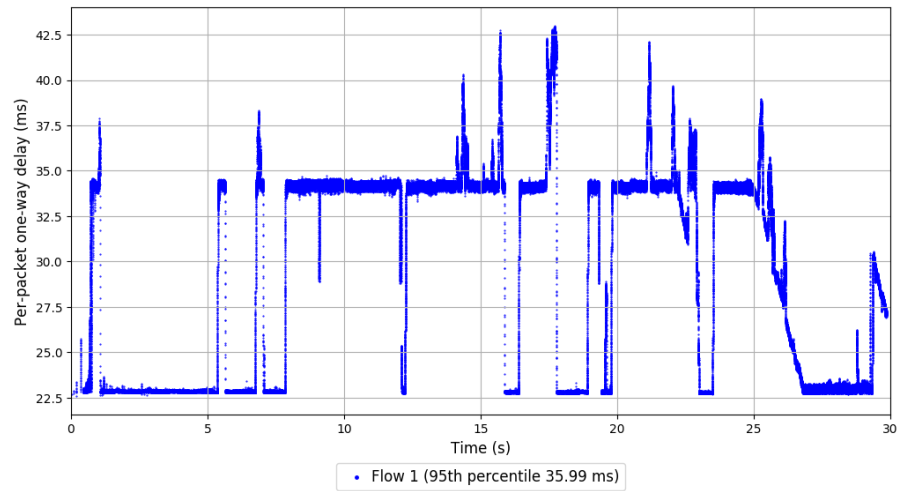
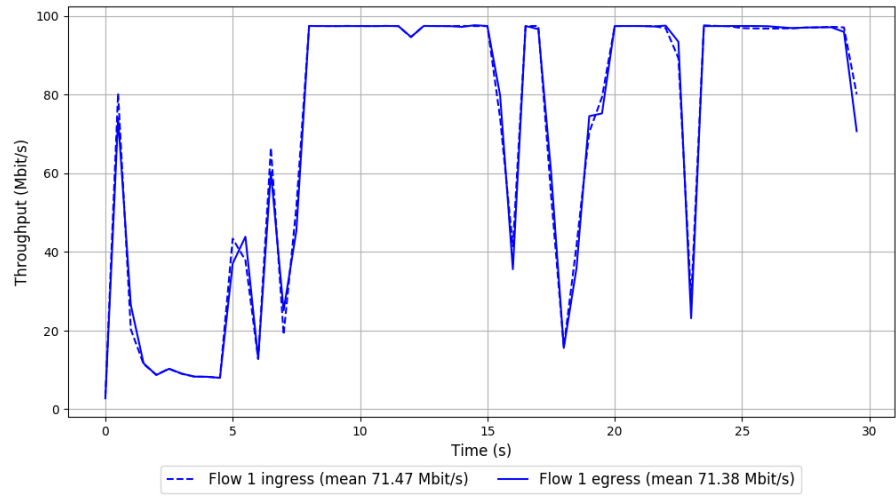
-- Flow 1:

Average throughput: 71.38 Mbit/s

95th percentile per-packet one-way delay: 35.986 ms

Loss rate: 0.38%

## Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-09-23 02:59:22

End at: 2017-09-23 02:59:52

Local clock offset: -4.27 ms

Remote clock offset: 1.782 ms

# Below is generated by plot.py at 2017-09-23 06:49:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.65 Mbit/s

95th percentile per-packet one-way delay: 34.930 ms

Loss rate: 0.33%

-- Flow 1:

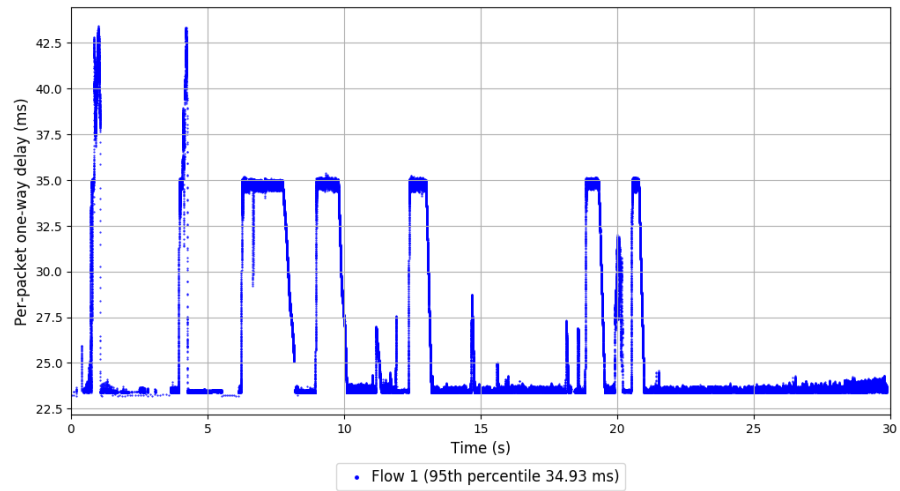
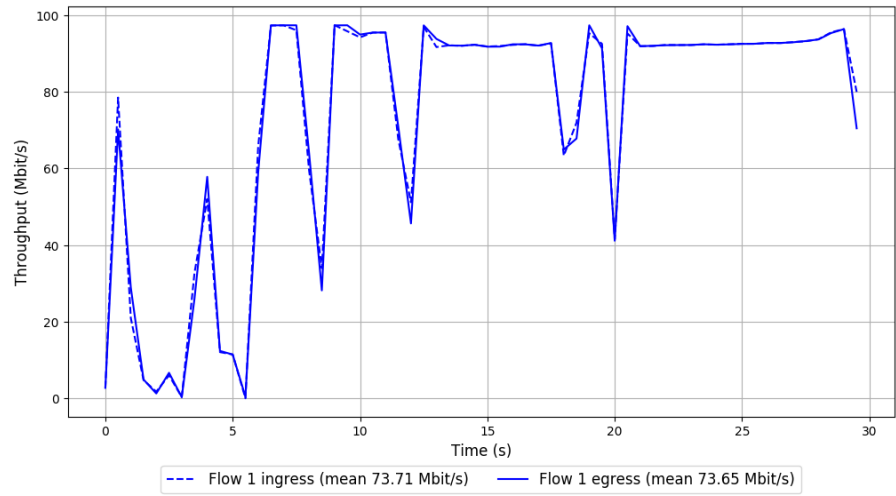
Average throughput: 73.65 Mbit/s

95th percentile per-packet one-way delay: 34.930 ms

Loss rate: 0.33%



### Run 9: Report of QUIC Cubic — Data Link

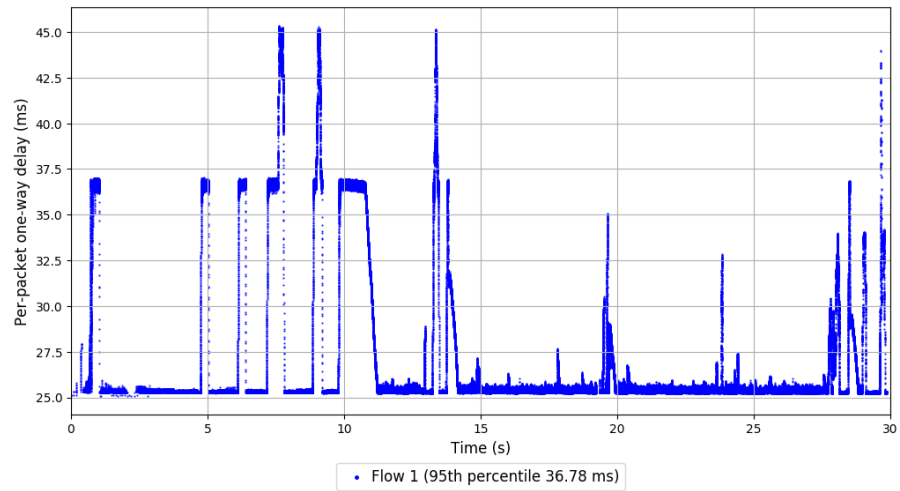
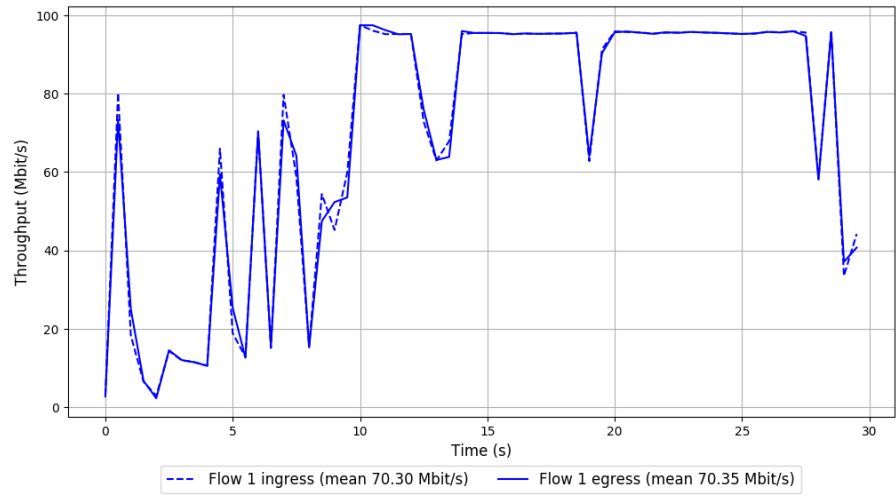


Run 10: Statistics of QUIC Cubic

Start at: 2017-09-23 03:18:11  
End at: 2017-09-23 03:18:41  
Local clock offset: -3.695 ms  
Remote clock offset: -0.617 ms

# Below is generated by plot.py at 2017-09-23 06:49:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.35 Mbit/s  
95th percentile per-packet one-way delay: 36.778 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 70.35 Mbit/s  
95th percentile per-packet one-way delay: 36.778 ms  
Loss rate: 0.18%

### Run 10: Report of QUIC Cubic — Data Link

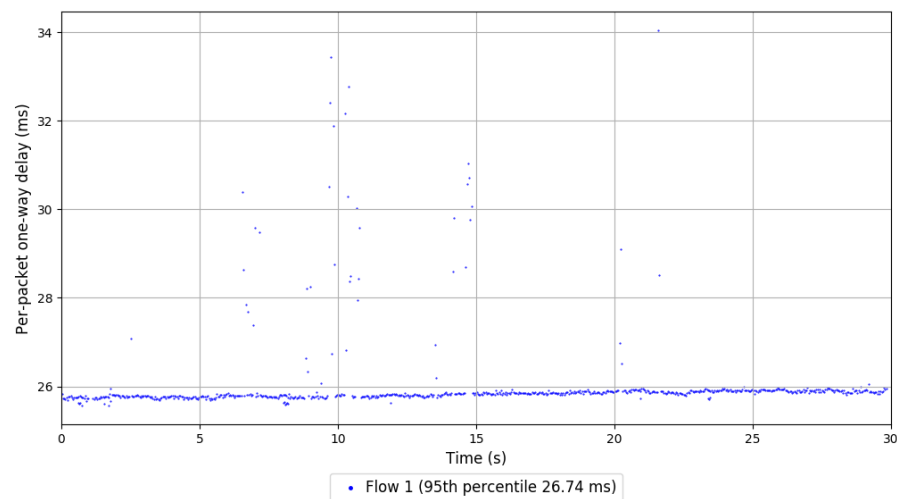
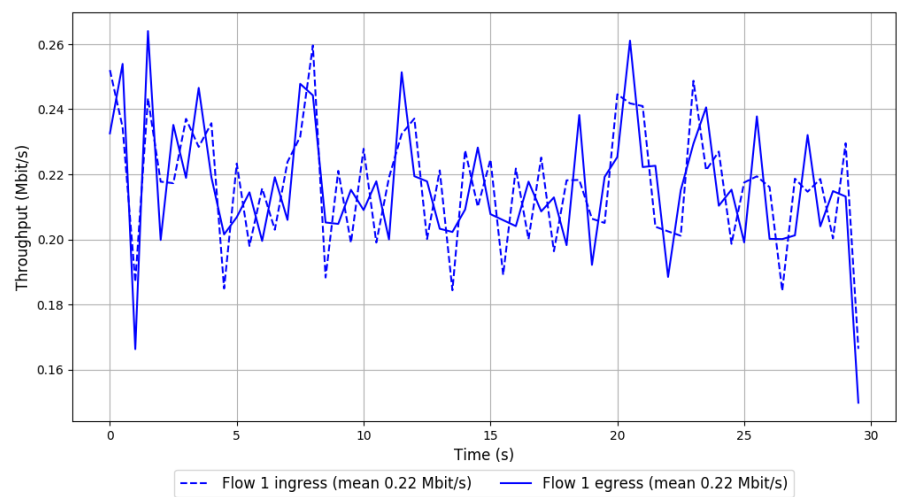


Run 1: Statistics of SCReAM

Start at: 2017-09-23 00:34:37  
End at: 2017-09-23 00:35:07  
Local clock offset: -6.511 ms  
Remote clock offset: -1.775 ms

# Below is generated by plot.py at 2017-09-23 06:49:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 26.744 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 26.744 ms  
Loss rate: 0.25%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2017-09-23 00:53:23

End at: 2017-09-23 00:53:53

Local clock offset: -4.071 ms

Remote clock offset: 0.974 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.293 ms

Loss rate: 0.25%

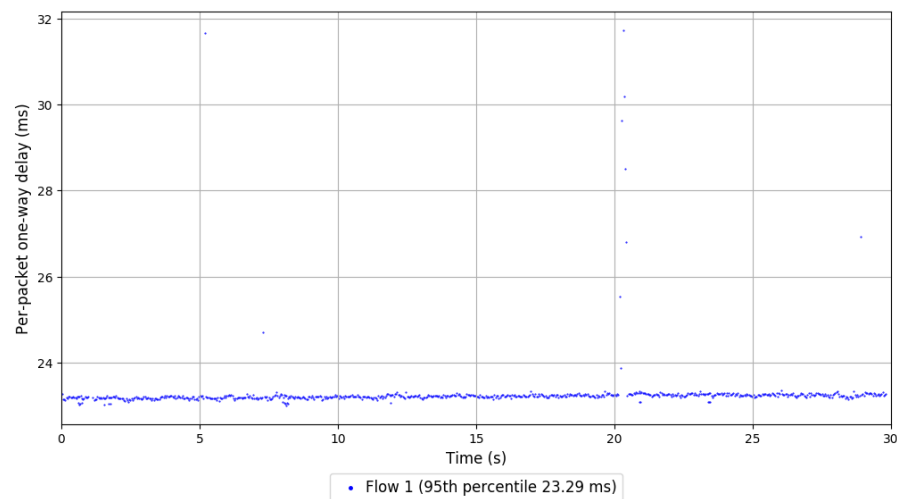
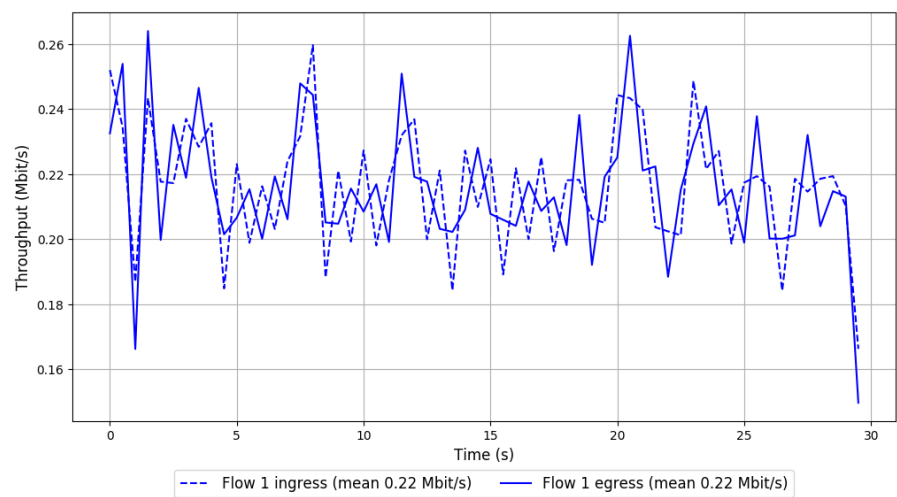
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.293 ms

Loss rate: 0.25%

Run 2: Report of SReAM — Data Link



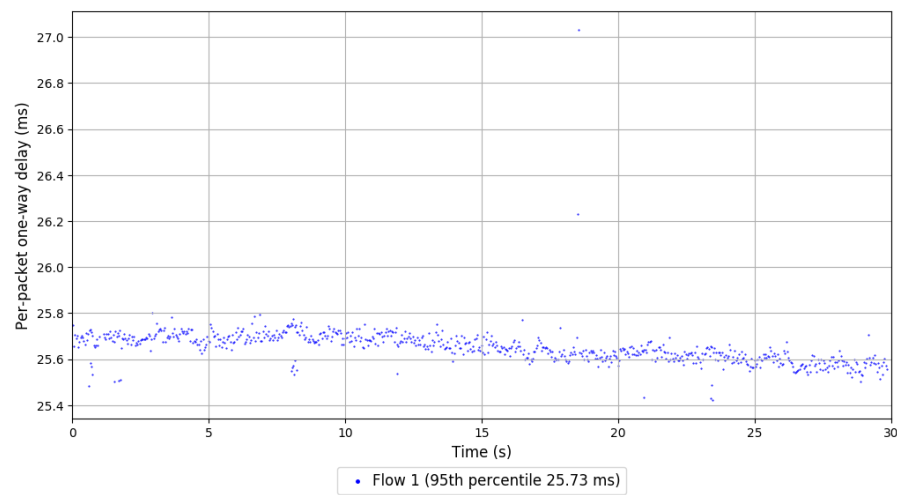
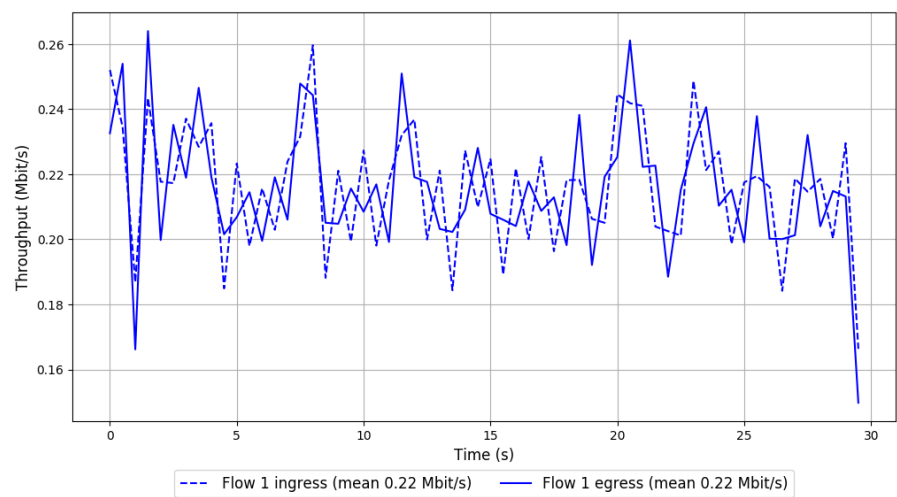
Run 3: Statistics of SCReAM

Start at: 2017-09-23 01:12:22  
End at: 2017-09-23 01:12:52  
Local clock offset: -7.814 ms  
Remote clock offset: -1.172 ms

# Below is generated by plot.py at 2017-09-23 06:49:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 25.732 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 25.732 ms  
Loss rate: 0.25%



Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2017-09-23 01:31:50

End at: 2017-09-23 01:32:20

Local clock offset: -5.061 ms

Remote clock offset: 1.808 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 29.916 ms

Loss rate: 0.36%

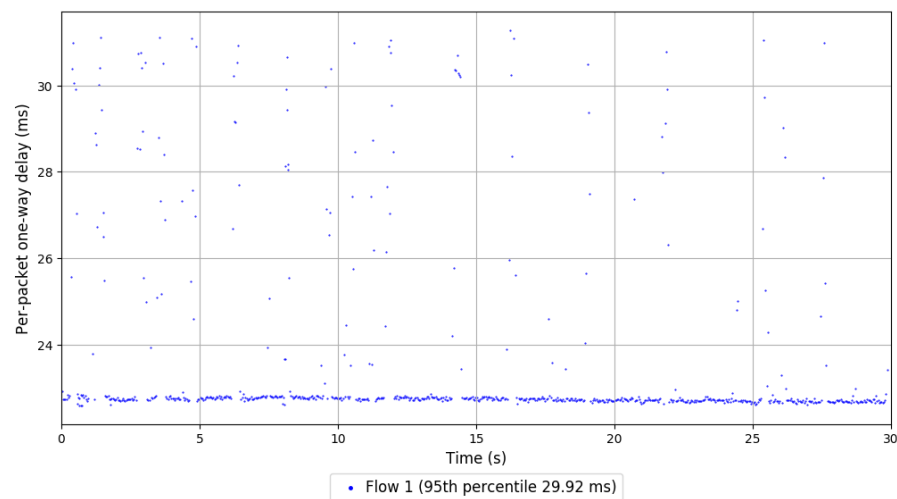
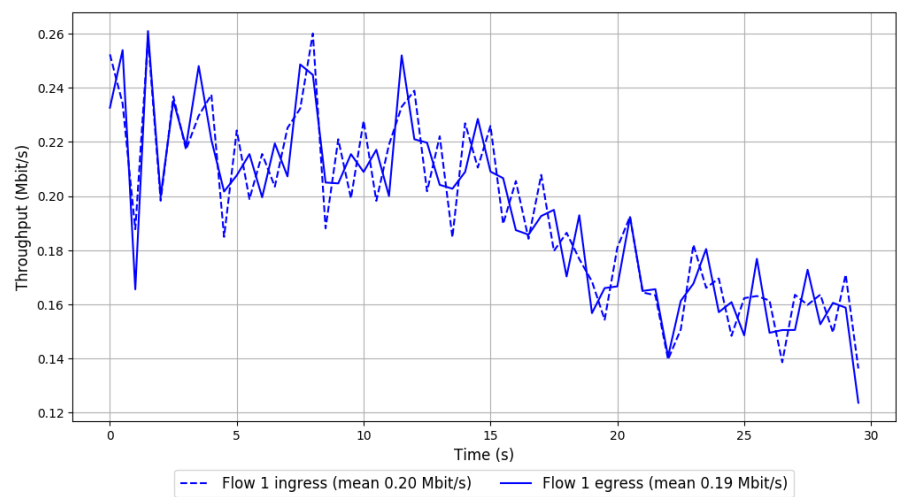
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 29.916 ms

Loss rate: 0.36%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2017-09-23 01:51:03

End at: 2017-09-23 01:51:33

Local clock offset: -6.498 ms

Remote clock offset: 1.758 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.597 ms

Loss rate: 0.25%

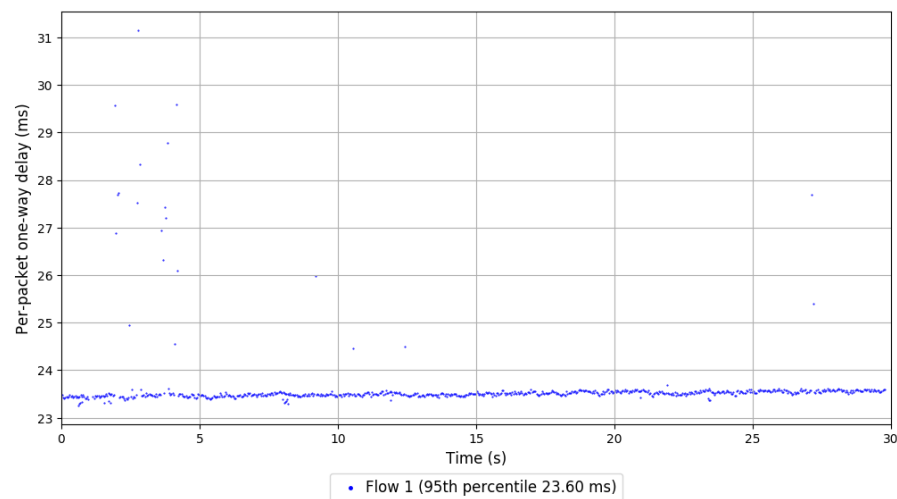
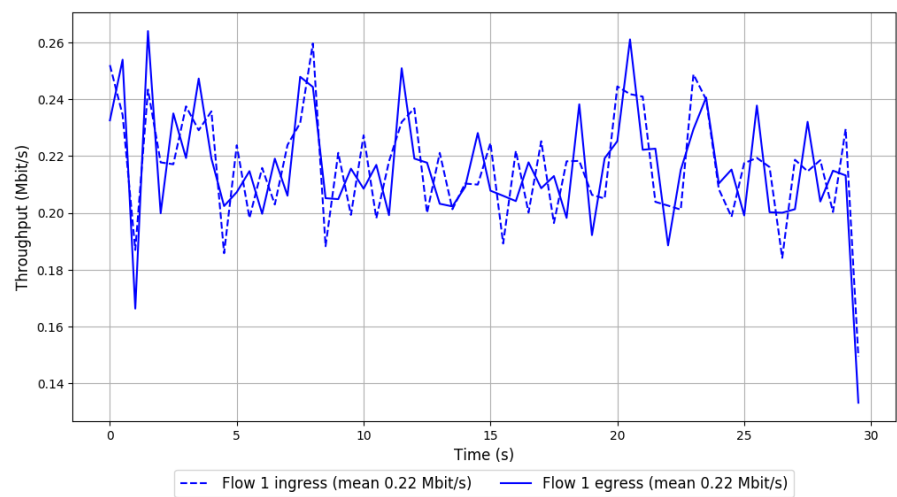
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.597 ms

Loss rate: 0.25%

Run 5: Report of SReAM — Data Link

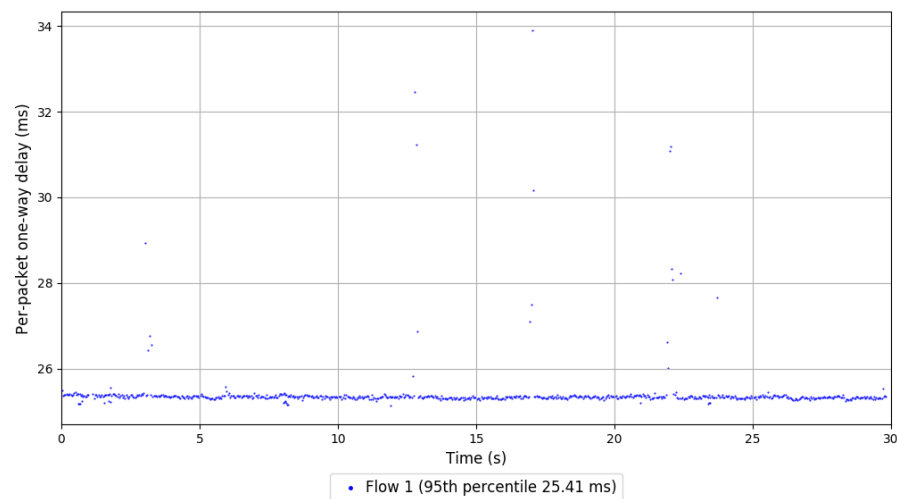
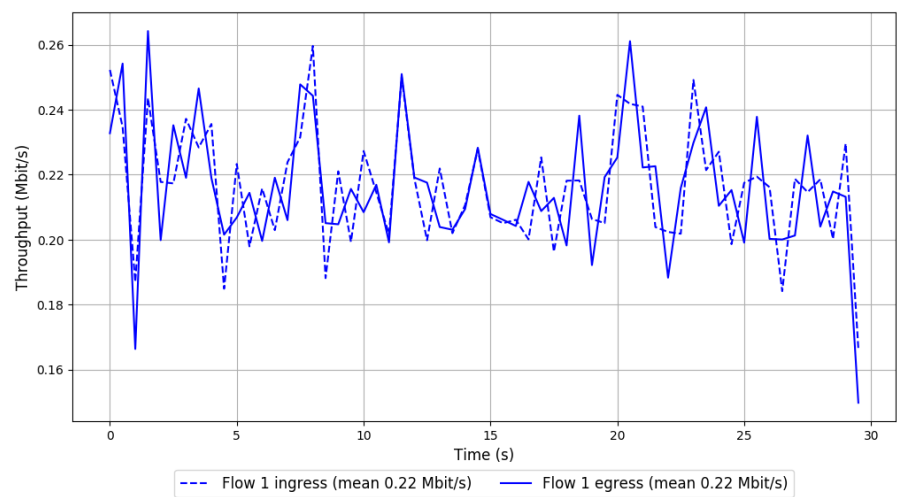


Run 6: Statistics of SCReAM

Start at: 2017-09-23 02:09:49  
End at: 2017-09-23 02:10:19  
Local clock offset: -9.157 ms  
Remote clock offset: -0.139 ms

# Below is generated by plot.py at 2017-09-23 06:49:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 25.410 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 25.410 ms  
Loss rate: 0.25%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2017-09-23 02:28:33

End at: 2017-09-23 02:29:03

Local clock offset: -7.411 ms

Remote clock offset: 1.98 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.351 ms

Loss rate: 0.25%

-- Flow 1:

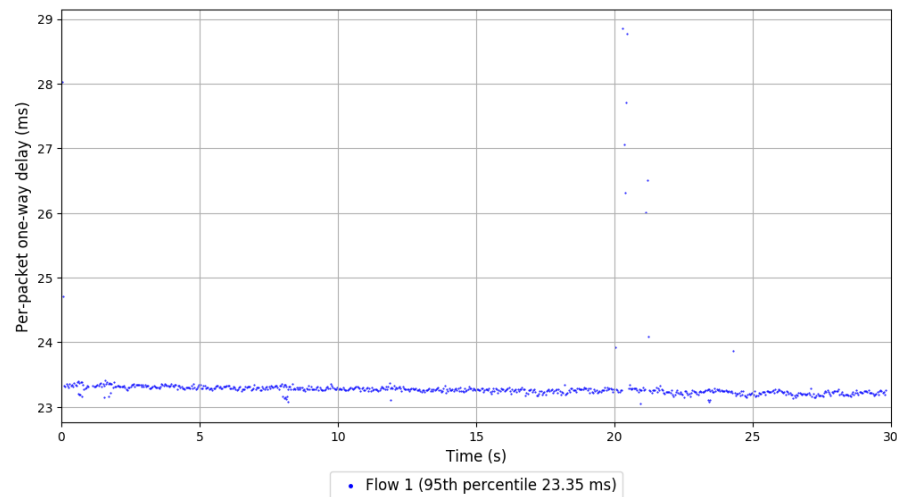
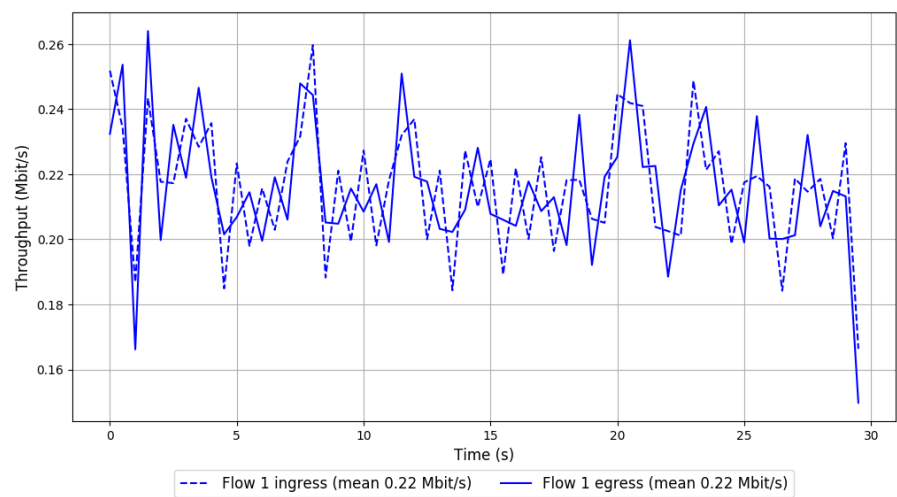
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.351 ms

Loss rate: 0.25%



Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2017-09-23 02:47:15

End at: 2017-09-23 02:47:45

Local clock offset: -4.484 ms

Remote clock offset: 1.889 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.437 ms

Loss rate: 0.25%

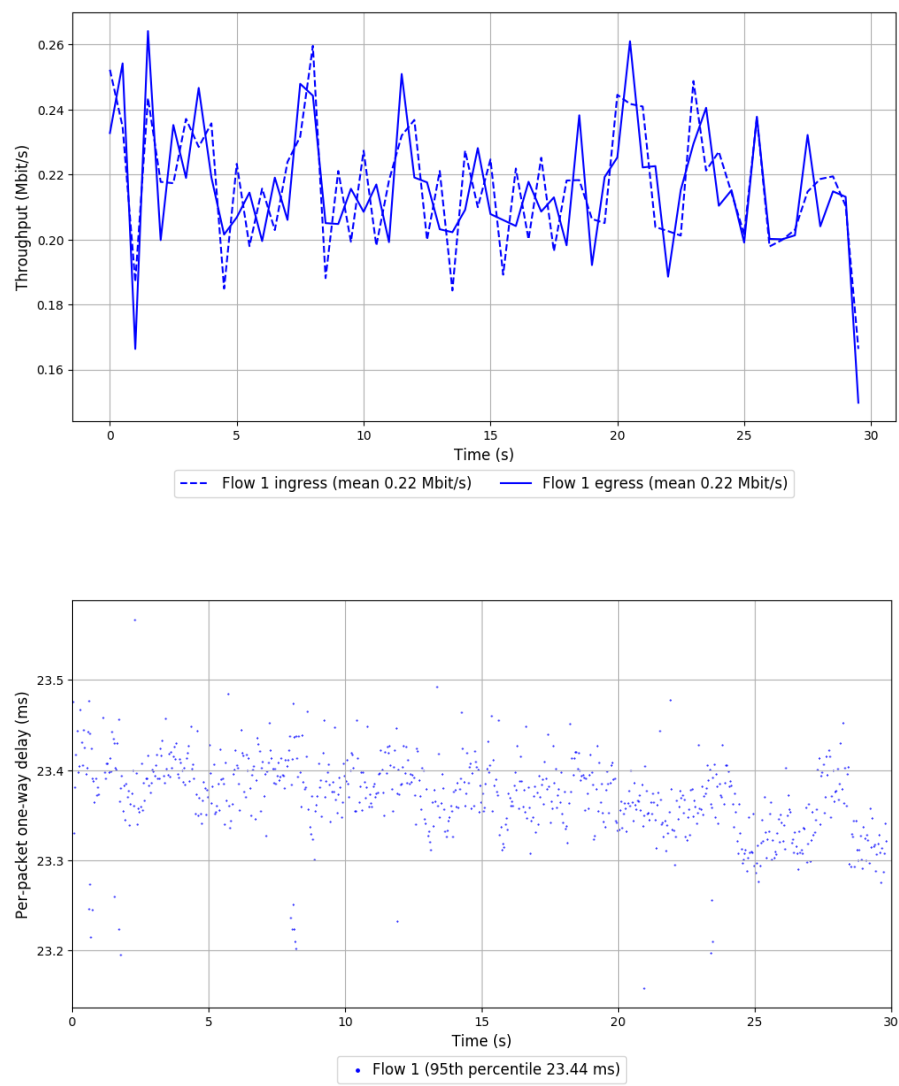
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.437 ms

Loss rate: 0.25%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2017-09-23 03:06:01

End at: 2017-09-23 03:06:31

Local clock offset: -4.406 ms

Remote clock offset: 1.586 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.504 ms

Loss rate: 0.26%

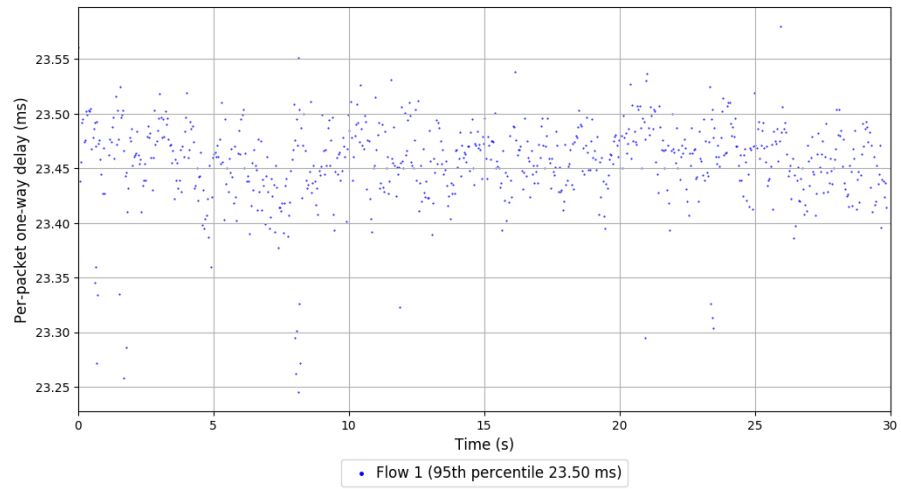
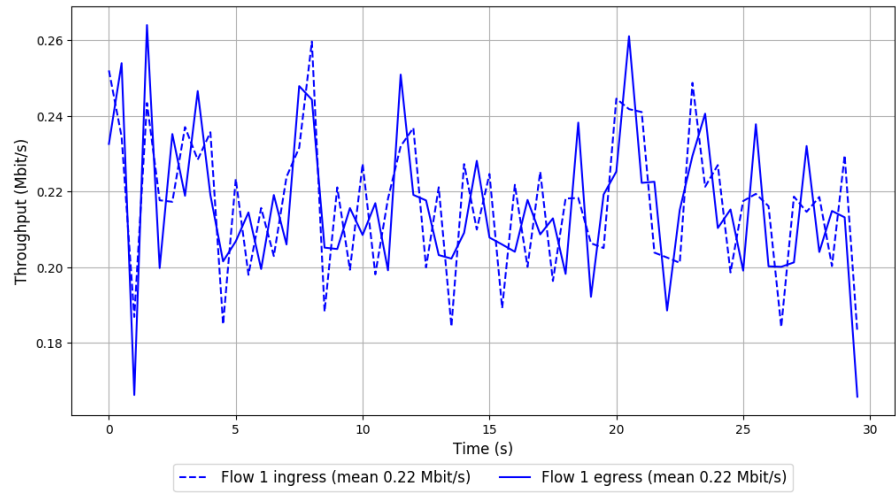
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.504 ms

Loss rate: 0.26%

### Run 9: Report of SReAM — Data Link

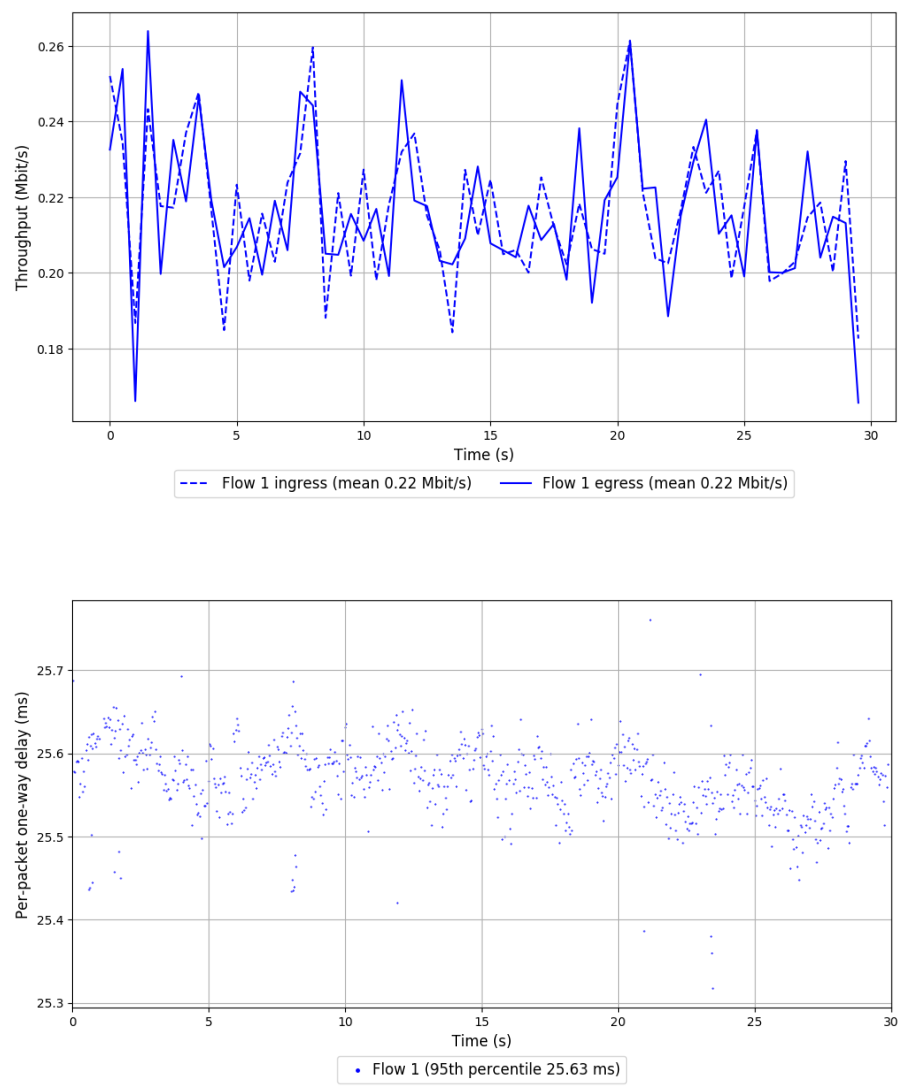


Run 10: Statistics of SReAM

Start at: 2017-09-23 03:24:50  
End at: 2017-09-23 03:25:20  
Local clock offset: -3.054 ms  
Remote clock offset: -0.797 ms

# Below is generated by plot.py at 2017-09-23 06:49:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 25.633 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 25.633 ms  
Loss rate: 0.26%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-09-23 00:32:04

End at: 2017-09-23 00:32:34

Local clock offset: -5.675 ms

Remote clock offset: 0.348 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 24.385 ms

Loss rate: 0.24%

-- Flow 1:

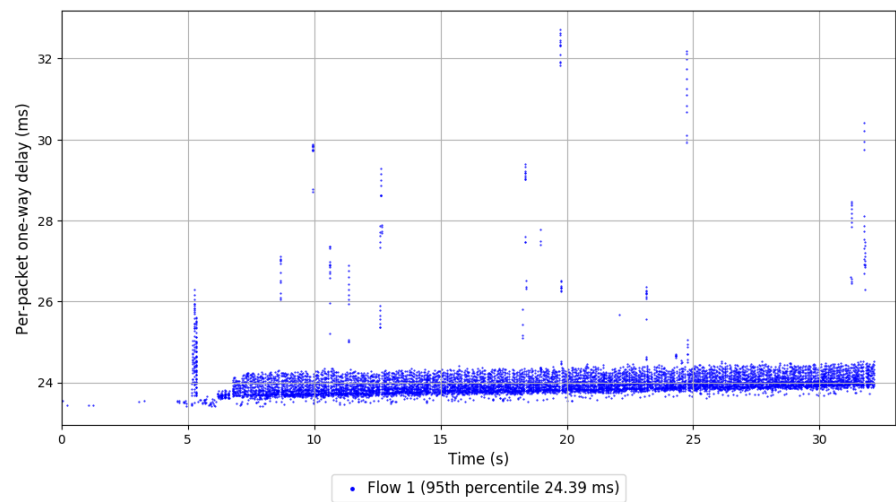
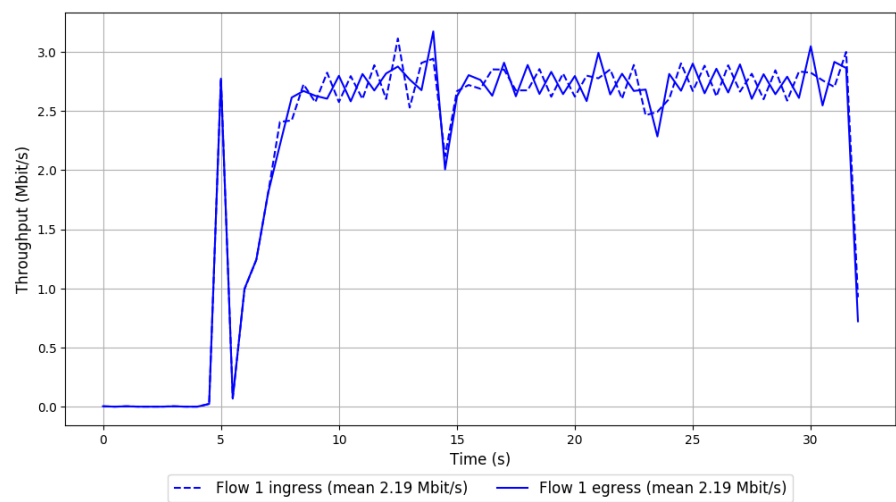
Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 24.385 ms

Loss rate: 0.24%



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2017-09-23 00:50:48

End at: 2017-09-23 00:51:18

Local clock offset: -4.3 ms

Remote clock offset: 0.562 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 23.797 ms

Loss rate: 0.30%

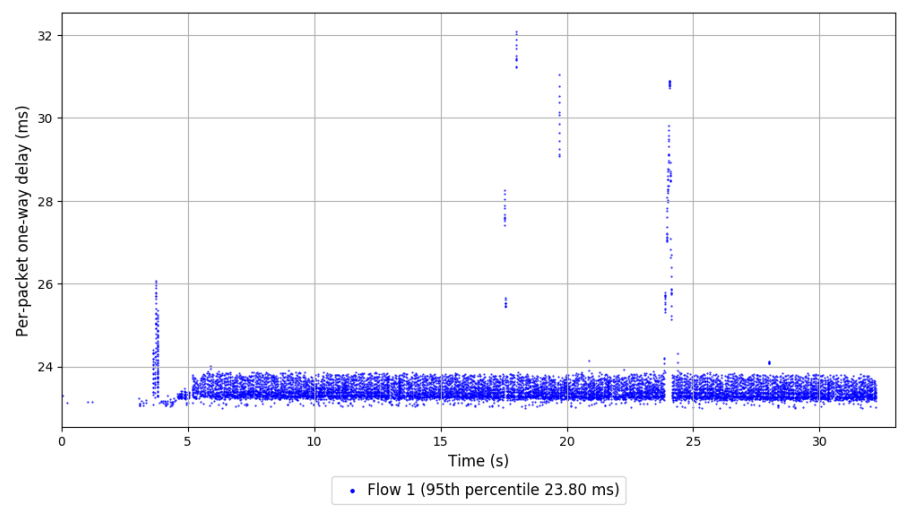
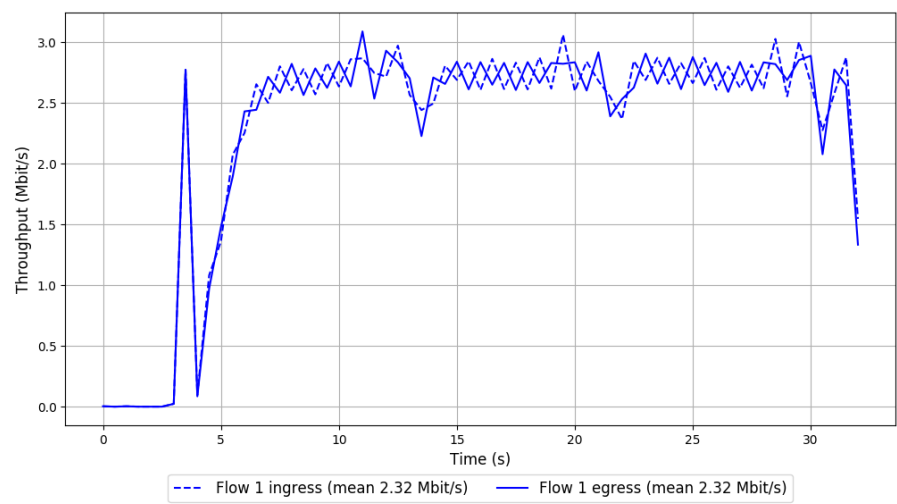
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 23.797 ms

Loss rate: 0.30%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-09-23 01:09:43

End at: 2017-09-23 01:10:14

Local clock offset: -7.527 ms

Remote clock offset: 0.8 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 24.170 ms

Loss rate: 0.33%

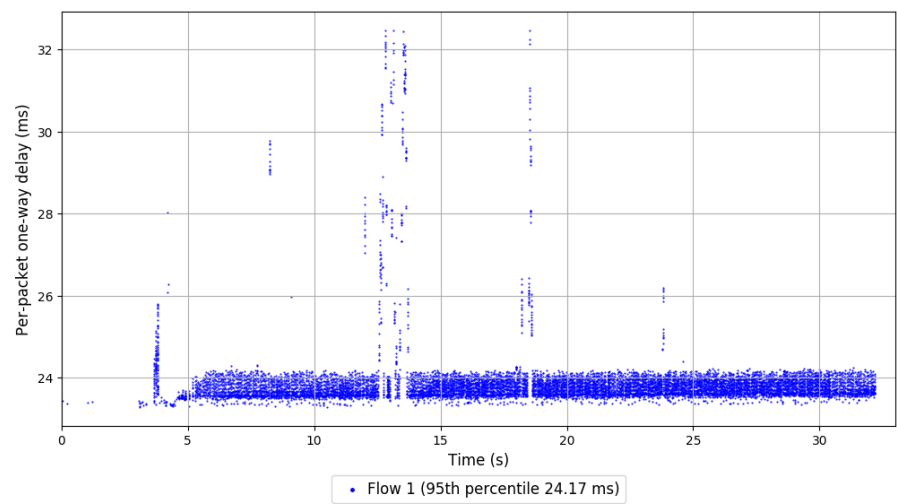
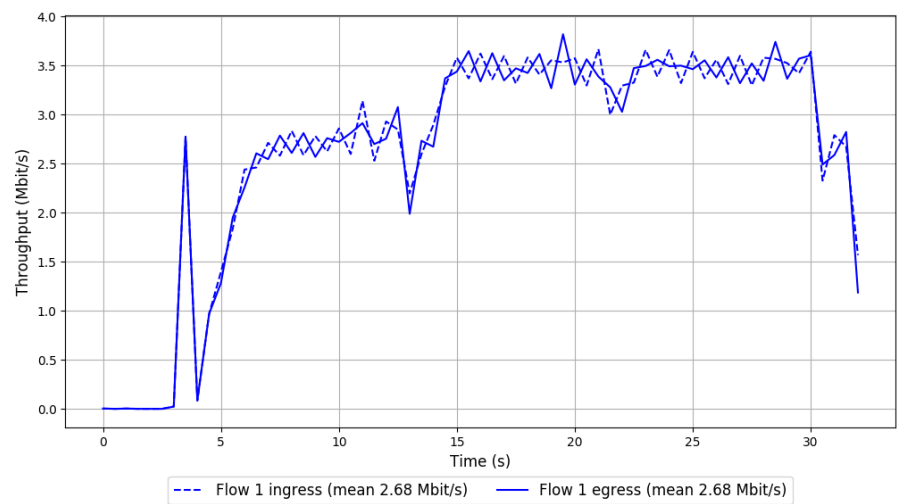
-- Flow 1:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 24.170 ms

Loss rate: 0.33%

Run 3: Report of WebRTC media — Data Link

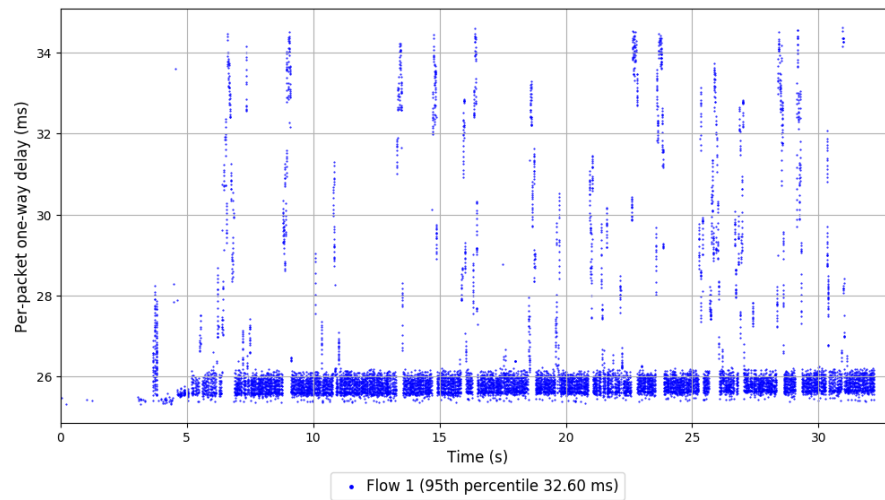
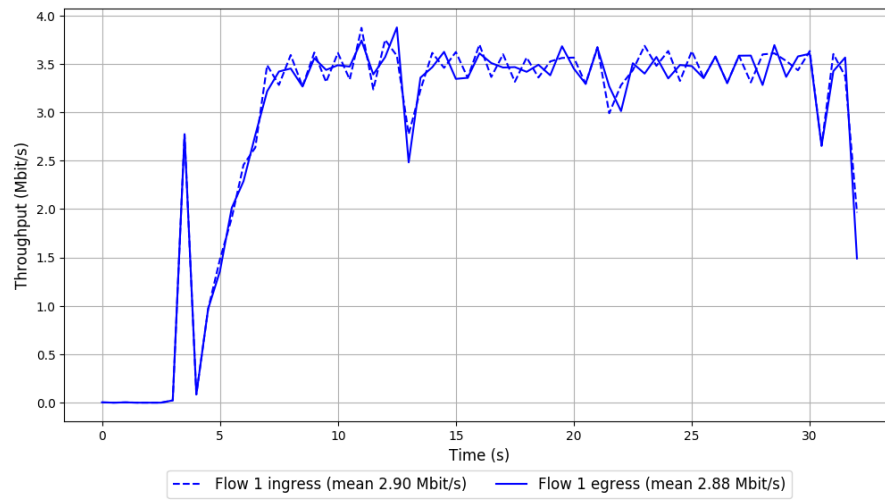


Run 4: Statistics of WebRTC media

Start at: 2017-09-23 01:29:15  
End at: 2017-09-23 01:29:45  
Local clock offset: -5.285 ms  
Remote clock offset: -0.872 ms

# Below is generated by plot.py at 2017-09-23 06:49:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.88 Mbit/s  
95th percentile per-packet one-way delay: 32.601 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 2.88 Mbit/s  
95th percentile per-packet one-way delay: 32.601 ms  
Loss rate: 0.80%

#### Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-09-23 01:48:27

End at: 2017-09-23 01:48:58

Local clock offset: -5.951 ms

Remote clock offset: 1.593 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.70 Mbit/s

95th percentile per-packet one-way delay: 24.185 ms

Loss rate: 0.31%

-- Flow 1:

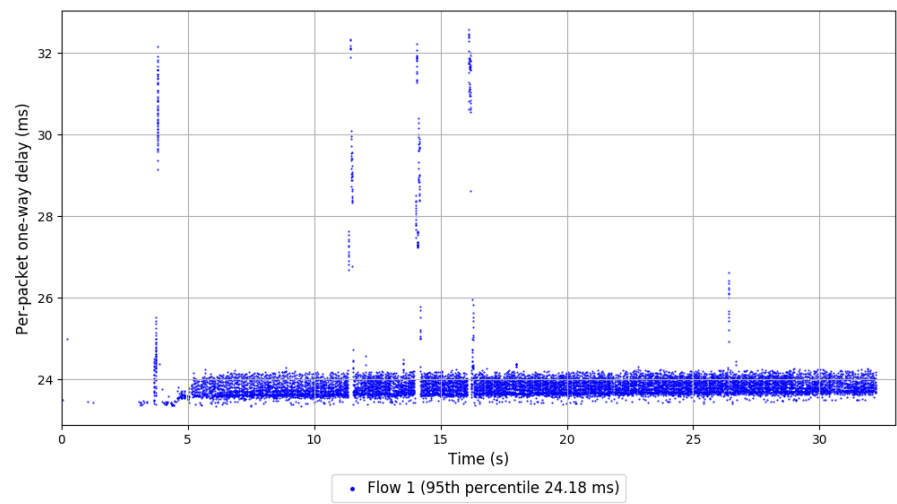
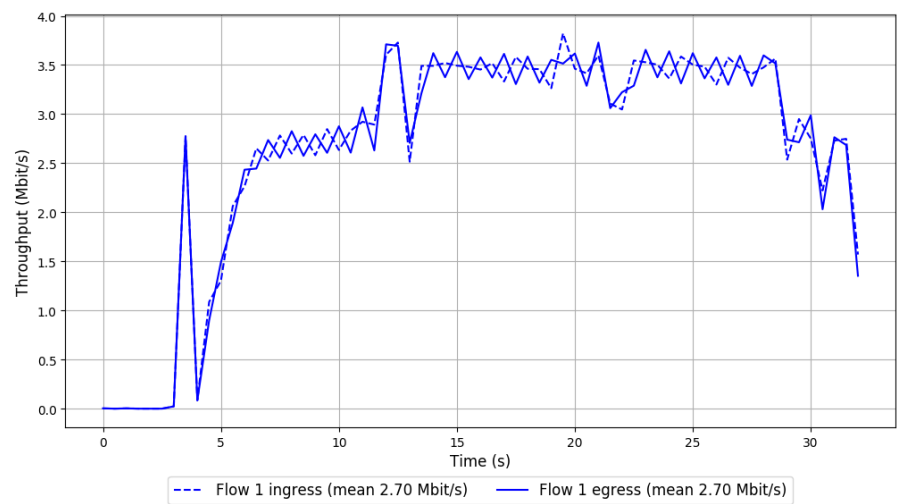
Average throughput: 2.70 Mbit/s

95th percentile per-packet one-way delay: 24.185 ms

Loss rate: 0.31%



Run 5: Report of WebRTC media — Data Link

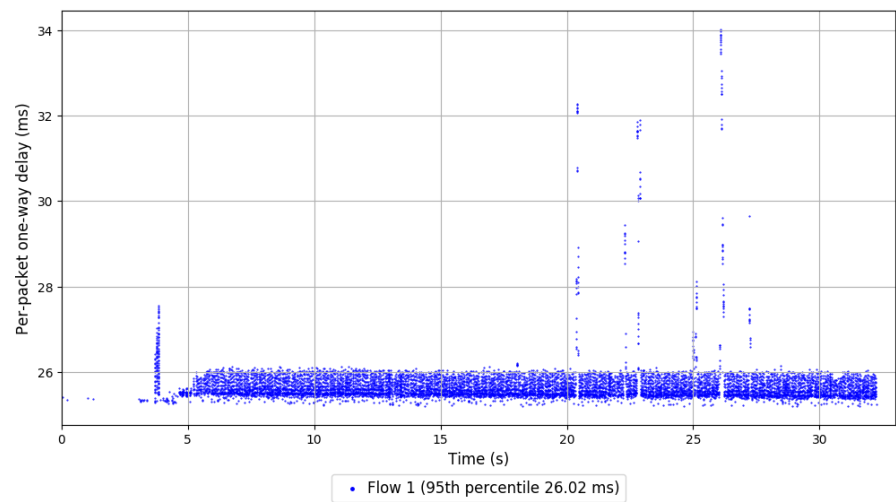
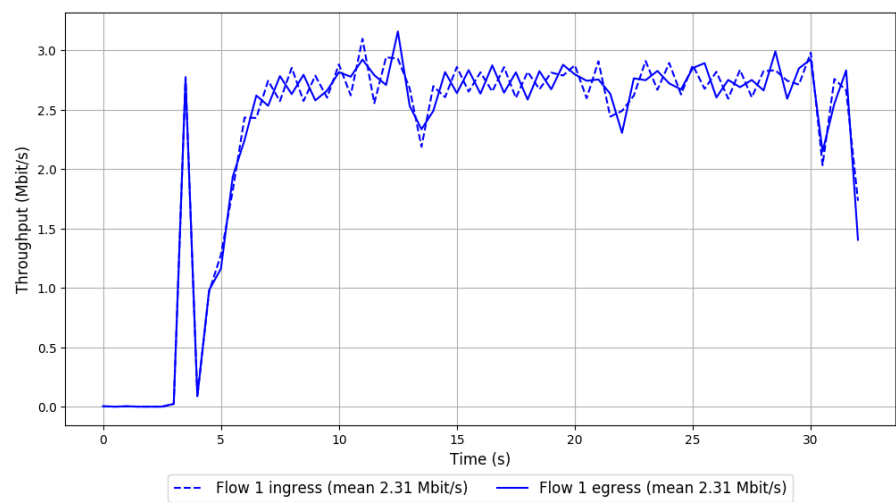


Run 6: Statistics of WebRTC media

Start at: 2017-09-23 02:07:14  
End at: 2017-09-23 02:07:44  
Local clock offset: -9.415 ms  
Remote clock offset: -0.212 ms

# Below is generated by plot.py at 2017-09-23 06:49:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.31 Mbit/s  
95th percentile per-packet one-way delay: 26.022 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 2.31 Mbit/s  
95th percentile per-packet one-way delay: 26.022 ms  
Loss rate: 0.26%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2017-09-23 02:25:56

End at: 2017-09-23 02:26:26

Local clock offset: -8.217 ms

Remote clock offset: 2.337 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 23.267 ms

Loss rate: 0.30%

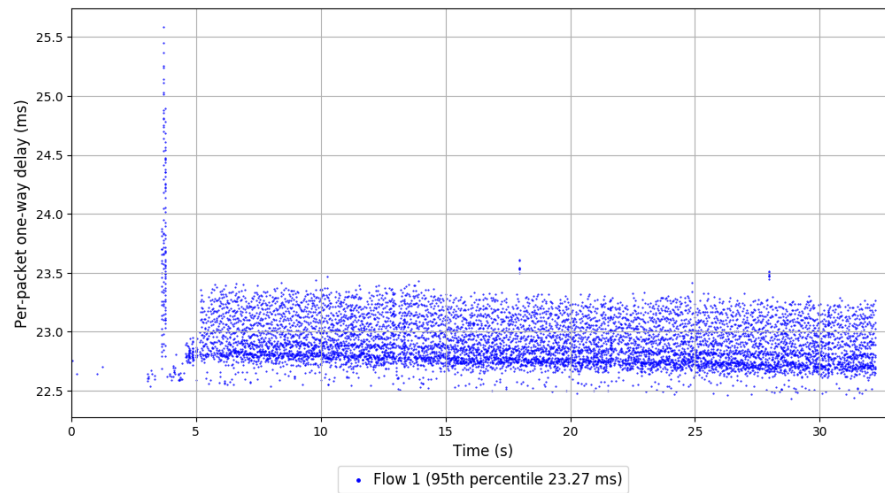
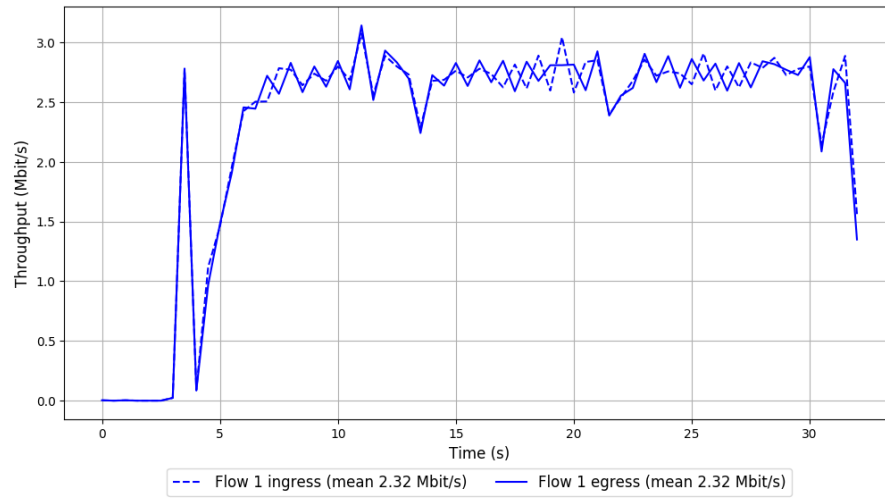
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 23.267 ms

Loss rate: 0.30%

### Run 7: Report of WebRTC media — Data Link

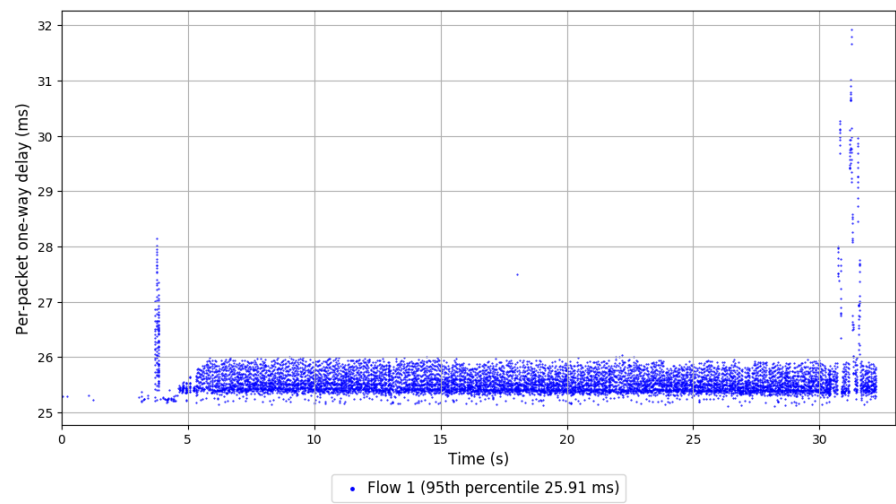
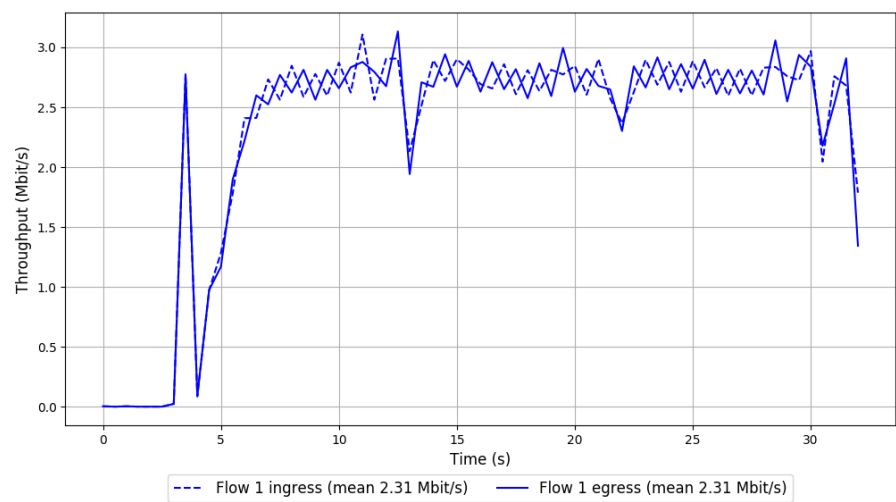


Run 8: Statistics of WebRTC media

Start at: 2017-09-23 02:44:39  
End at: 2017-09-23 02:45:09  
Local clock offset: -4.589 ms  
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2017-09-23 06:49:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.31 Mbit/s  
95th percentile per-packet one-way delay: 25.909 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 2.31 Mbit/s  
95th percentile per-packet one-way delay: 25.909 ms  
Loss rate: 0.30%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2017-09-23 03:03:23

End at: 2017-09-23 03:03:53

Local clock offset: -4.213 ms

Remote clock offset: 1.789 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 23.945 ms

Loss rate: 0.29%

-- Flow 1:

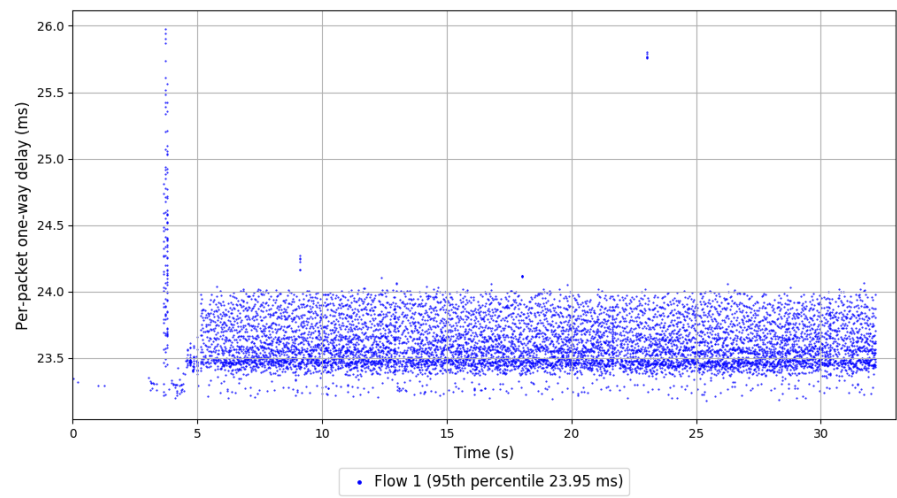
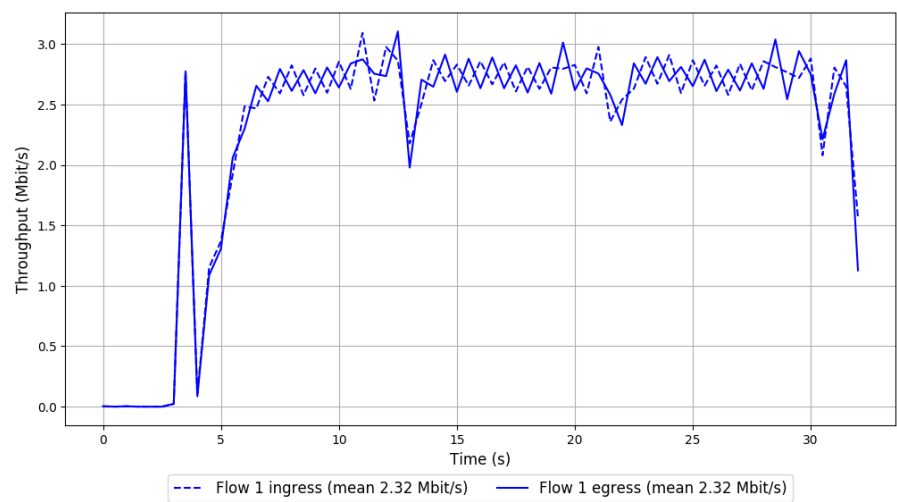
Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 23.945 ms

Loss rate: 0.29%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-09-23 03:22:12

End at: 2017-09-23 03:22:42

Local clock offset: -3.327 ms

Remote clock offset: 1.382 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 23.868 ms

Loss rate: 0.30%

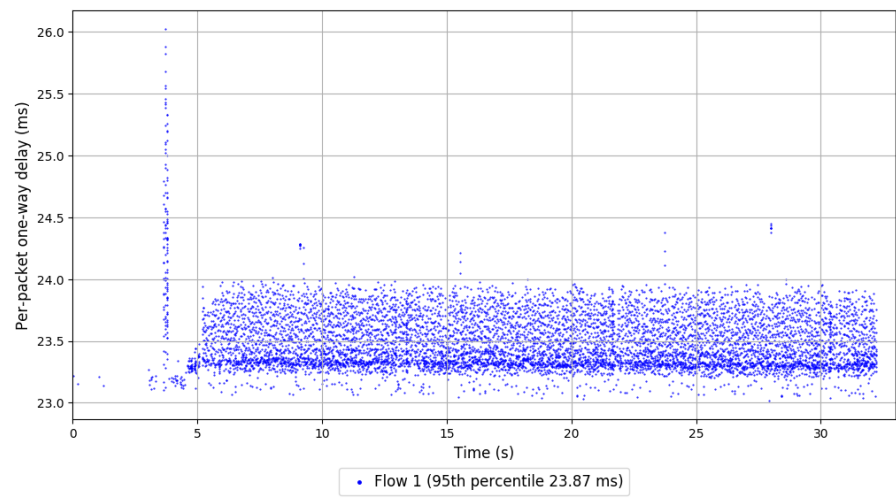
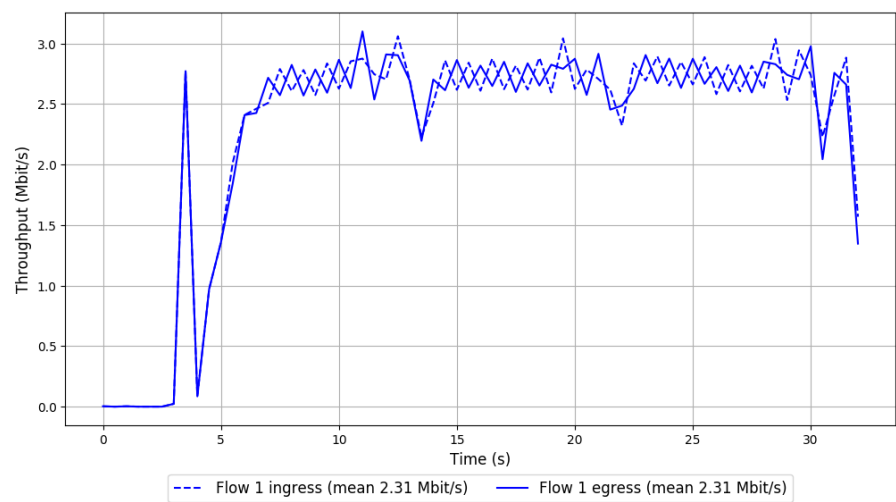
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 23.868 ms

Loss rate: 0.30%

Run 10: Report of WebRTC media — Data Link

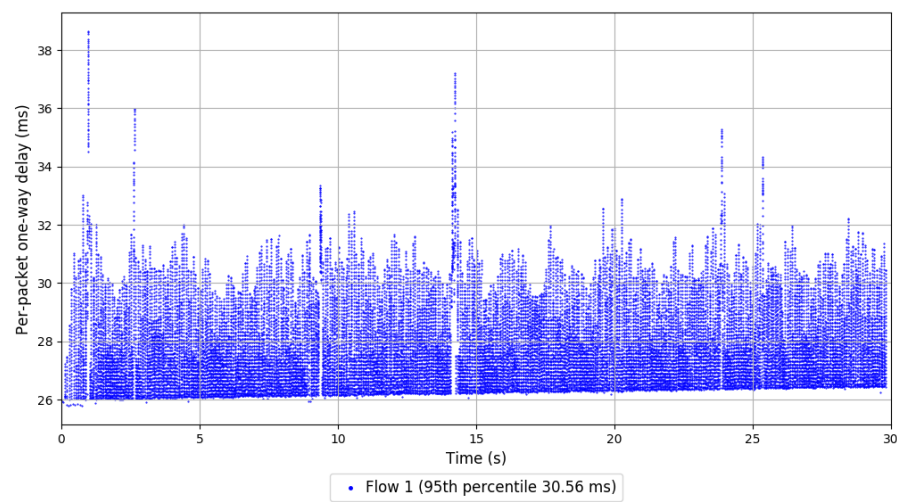
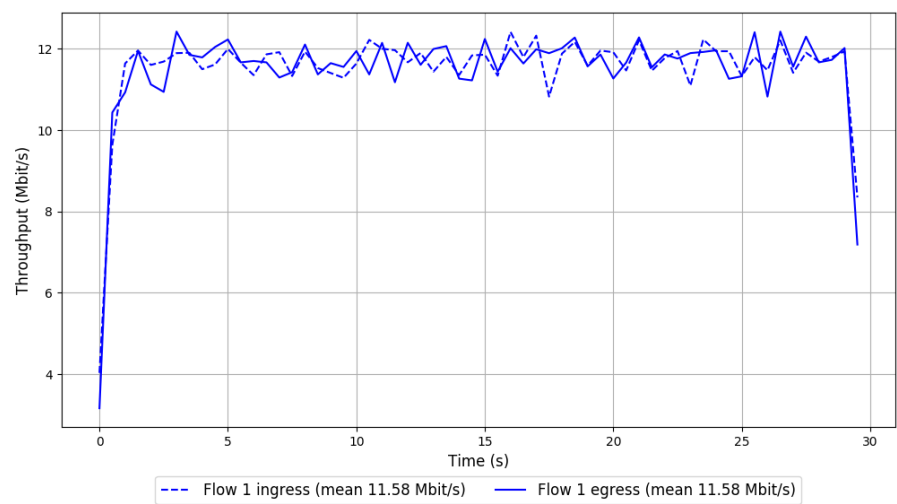


Run 1: Statistics of Sprout

Start at: 2017-09-23 00:26:50  
End at: 2017-09-23 00:27:20  
Local clock offset: -2.753 ms  
Remote clock offset: -1.829 ms

# Below is generated by plot.py at 2017-09-23 06:49:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.58 Mbit/s  
95th percentile per-packet one-way delay: 30.560 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 11.58 Mbit/s  
95th percentile per-packet one-way delay: 30.560 ms  
Loss rate: 0.22%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2017-09-23 00:45:32

End at: 2017-09-23 00:46:02

Local clock offset: -8.165 ms

Remote clock offset: 0.948 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 26.046 ms

Loss rate: 0.27%

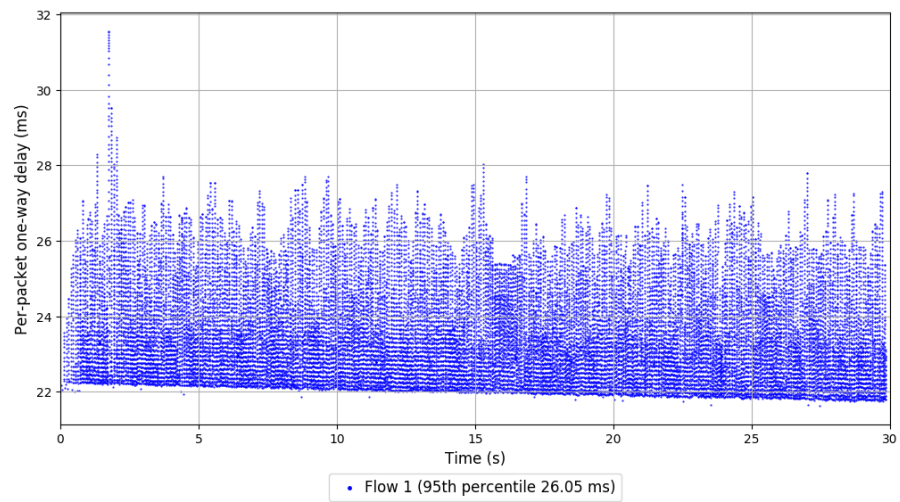
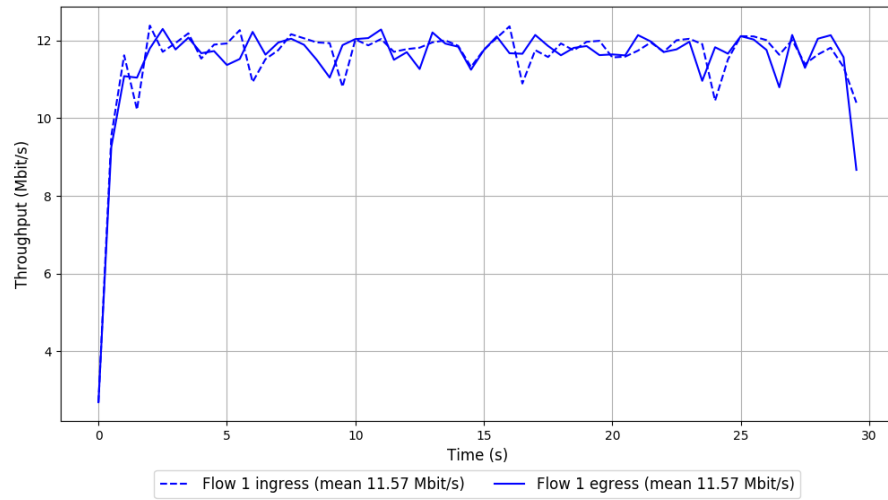
-- Flow 1:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 26.046 ms

Loss rate: 0.27%

## Run 2: Report of Sprout — Data Link



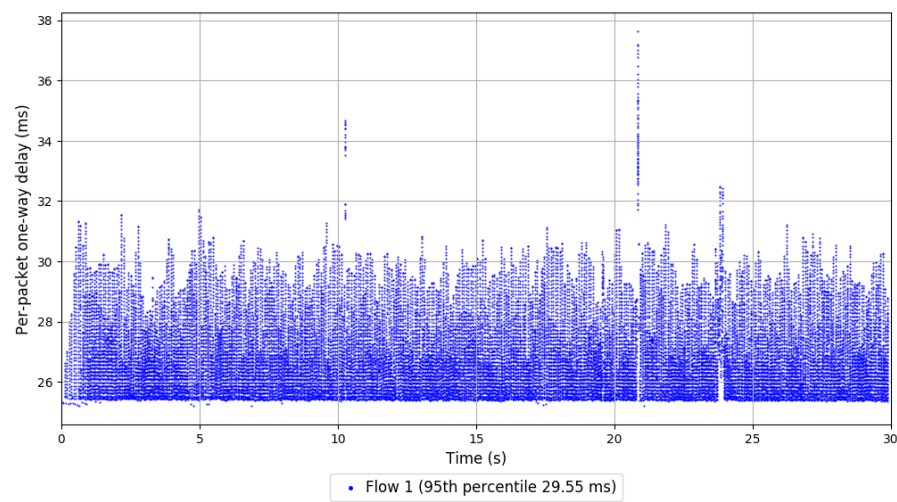
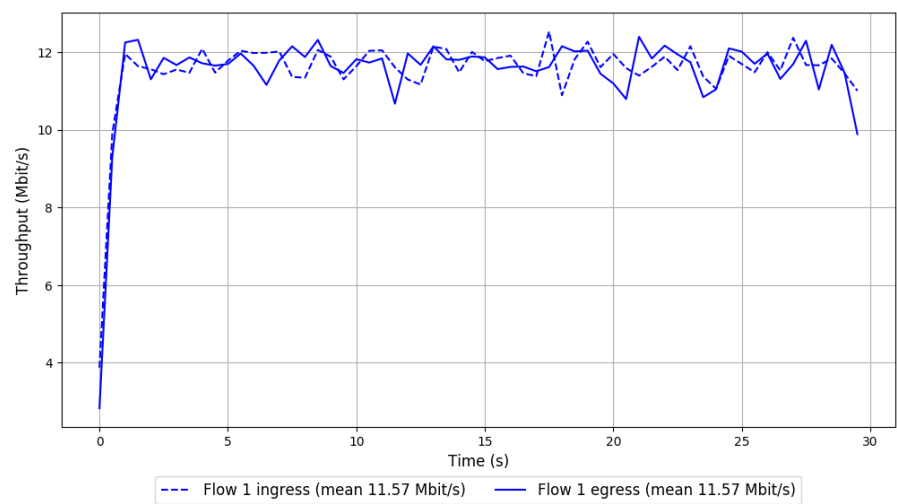
Run 3: Statistics of Sprout

Start at: 2017-09-23 01:04:25  
End at: 2017-09-23 01:04:55  
Local clock offset: -7.466 ms  
Remote clock offset: -1.212 ms

# Below is generated by plot.py at 2017-09-23 06:49:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.57 Mbit/s  
95th percentile per-packet one-way delay: 29.549 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 11.57 Mbit/s  
95th percentile per-packet one-way delay: 29.549 ms  
Loss rate: 0.28%



Run 3: Report of Sprout — Data Link

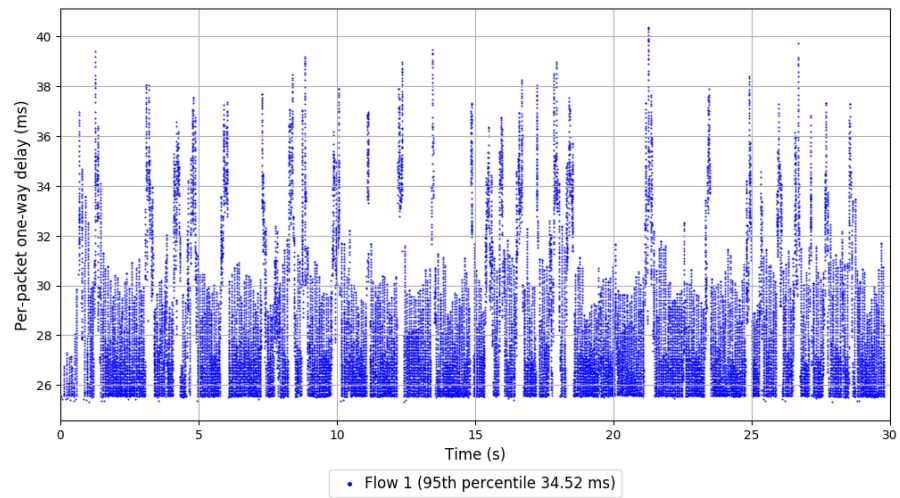
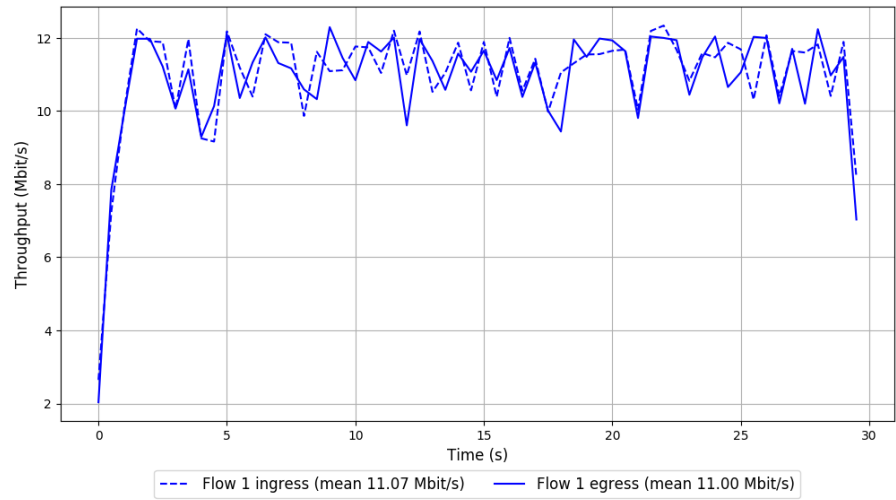


Run 4: Statistics of Sprout

Start at: 2017-09-23 01:24:02  
End at: 2017-09-23 01:24:32  
Local clock offset: -4.911 ms  
Remote clock offset: -0.887 ms

# Below is generated by plot.py at 2017-09-23 06:49:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.00 Mbit/s  
95th percentile per-packet one-way delay: 34.521 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 11.00 Mbit/s  
95th percentile per-packet one-way delay: 34.521 ms  
Loss rate: 0.89%

#### Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-09-23 01:43:02

End at: 2017-09-23 01:43:32

Local clock offset: -4.937 ms

Remote clock offset: 1.565 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.35 Mbit/s

95th percentile per-packet one-way delay: 29.741 ms

Loss rate: 0.30%

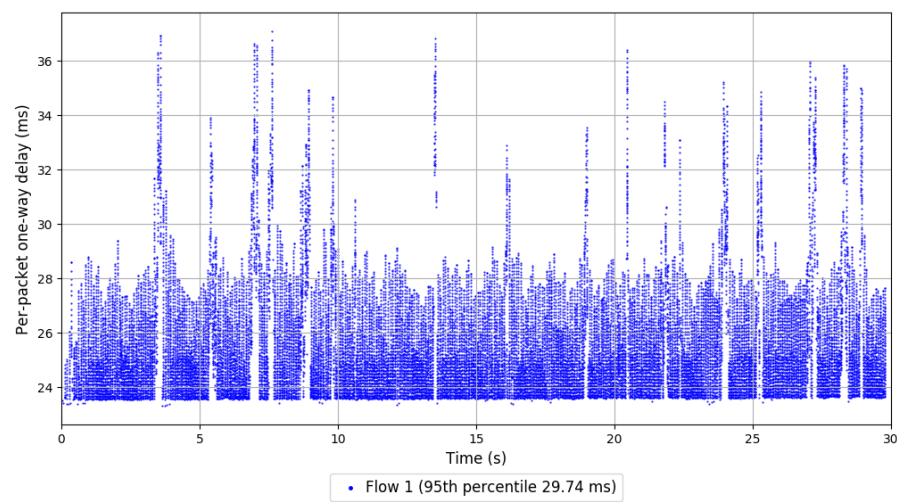
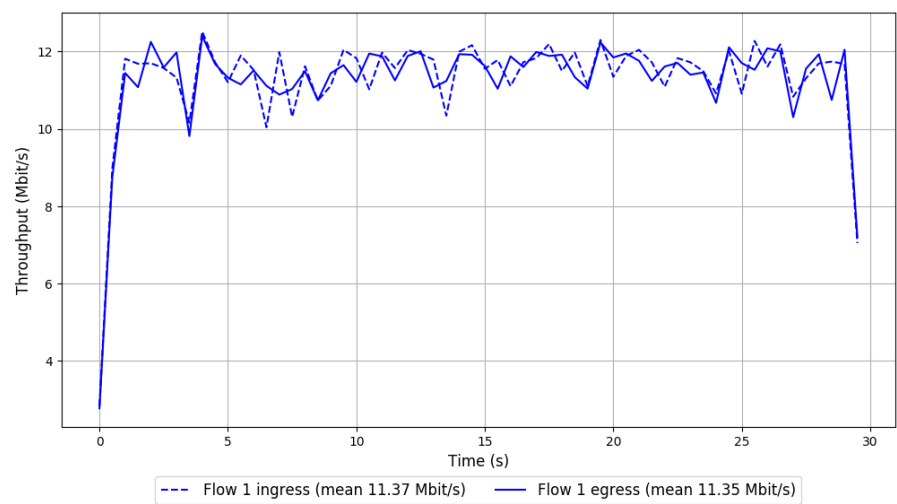
-- Flow 1:

Average throughput: 11.35 Mbit/s

95th percentile per-packet one-way delay: 29.741 ms

Loss rate: 0.30%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2017-09-23 02:01:51

End at: 2017-09-23 02:02:21

Local clock offset: -8.853 ms

Remote clock offset: 2.344 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.64 Mbit/s

95th percentile per-packet one-way delay: 27.396 ms

Loss rate: 0.28%

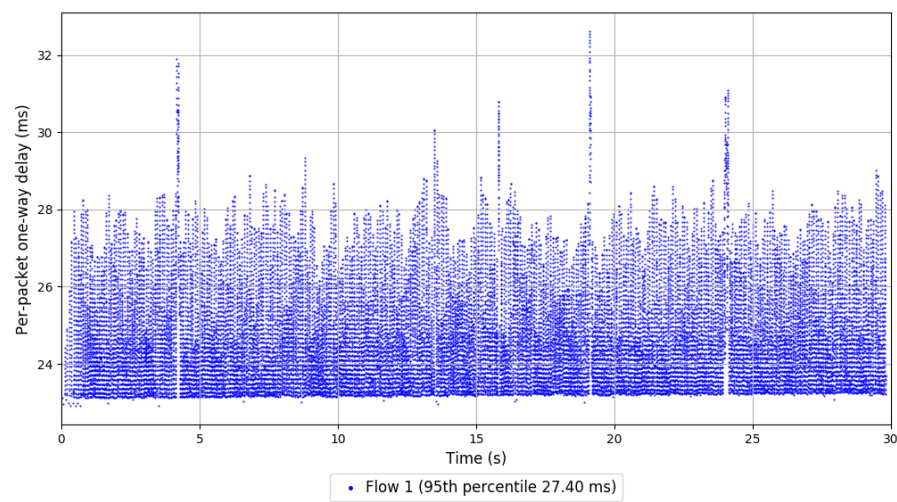
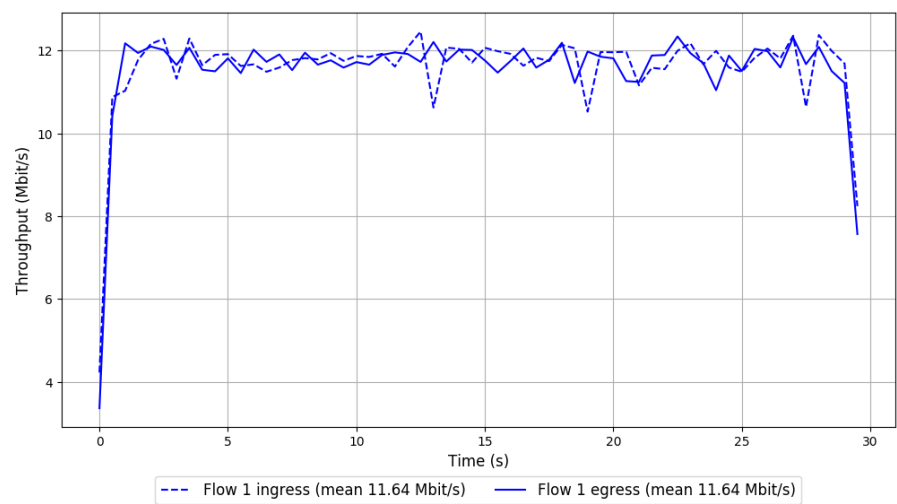
-- Flow 1:

Average throughput: 11.64 Mbit/s

95th percentile per-packet one-way delay: 27.396 ms

Loss rate: 0.28%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2017-09-23 02:20:38

End at: 2017-09-23 02:21:08

Local clock offset: -8.838 ms

Remote clock offset: 2.4 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.70 Mbit/s

95th percentile per-packet one-way delay: 27.335 ms

Loss rate: 0.18%

-- Flow 1:

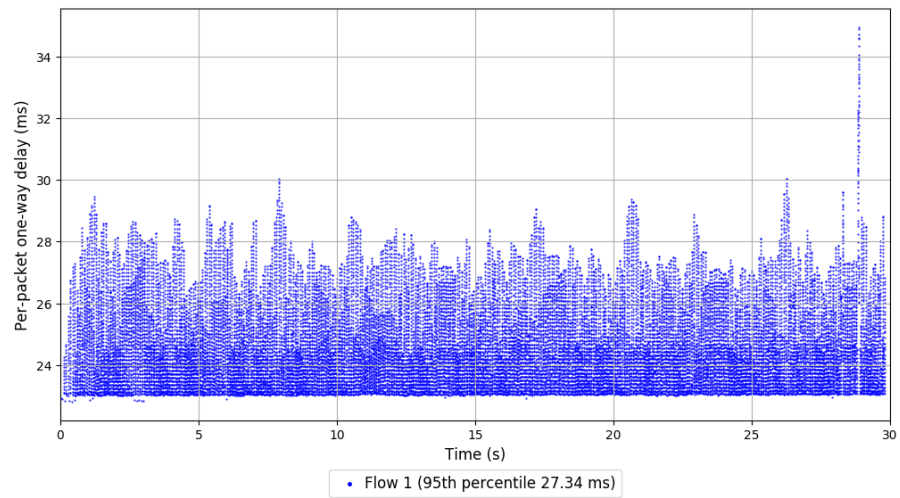
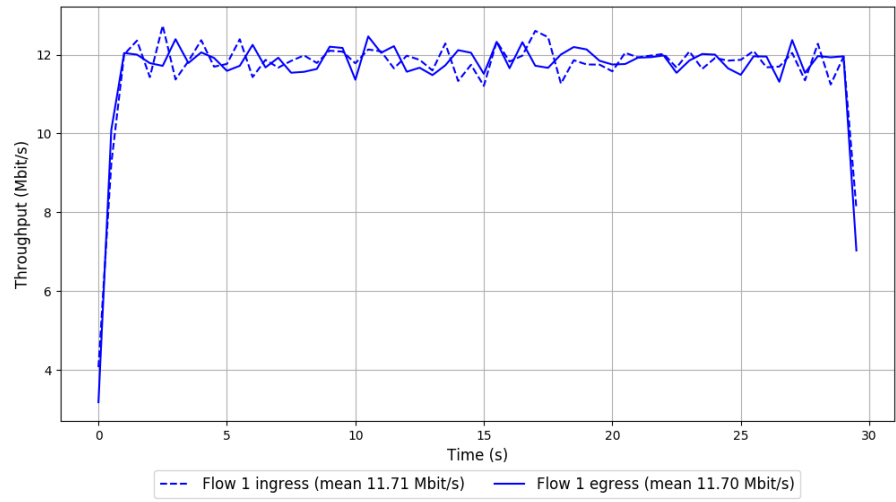
Average throughput: 11.70 Mbit/s

95th percentile per-packet one-way delay: 27.335 ms

Loss rate: 0.18%



### Run 7: Report of Sprout — Data Link

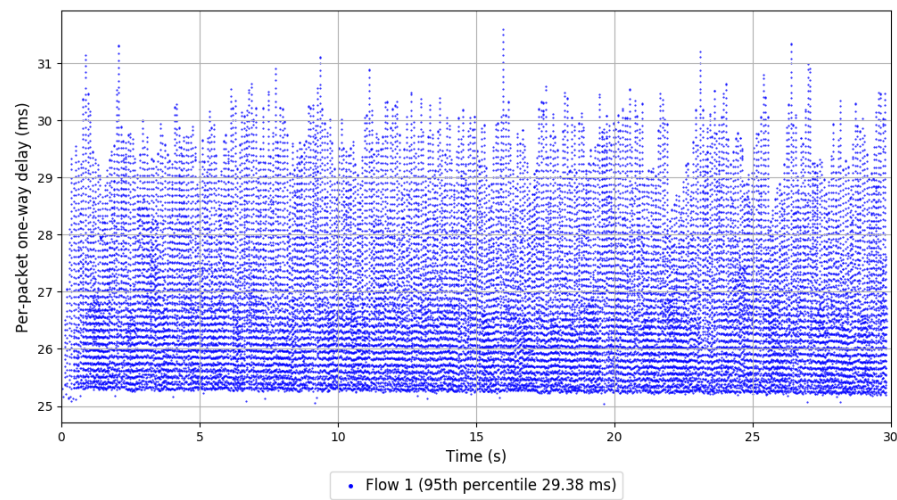
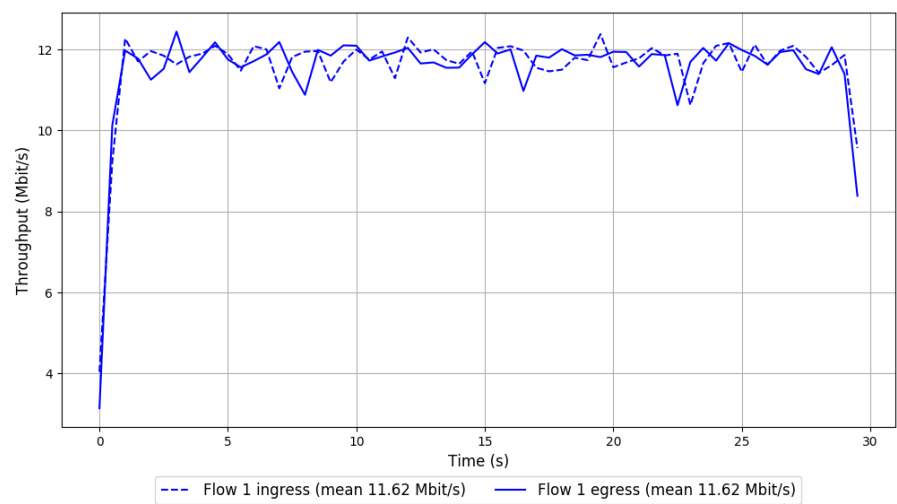


Run 8: Statistics of Sprout

Start at: 2017-09-23 02:39:23  
End at: 2017-09-23 02:39:53  
Local clock offset: -5.403 ms  
Remote clock offset: -0.128 ms

# Below is generated by plot.py at 2017-09-23 06:49:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.62 Mbit/s  
95th percentile per-packet one-way delay: 29.379 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 11.62 Mbit/s  
95th percentile per-packet one-way delay: 29.379 ms  
Loss rate: 0.28%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-09-23 02:58:05

End at: 2017-09-23 02:58:35

Local clock offset: -4.255 ms

Remote clock offset: 1.89 ms

# Below is generated by plot.py at 2017-09-23 06:49:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.62 Mbit/s

95th percentile per-packet one-way delay: 27.372 ms

Loss rate: 0.26%

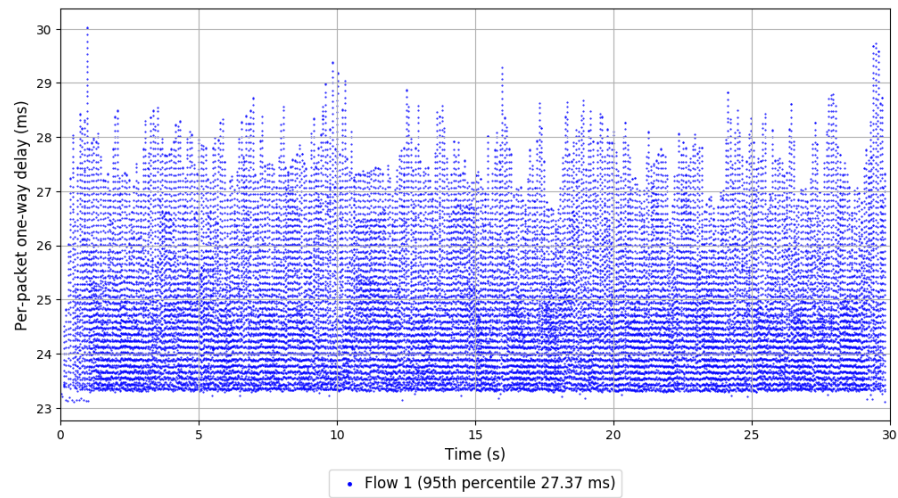
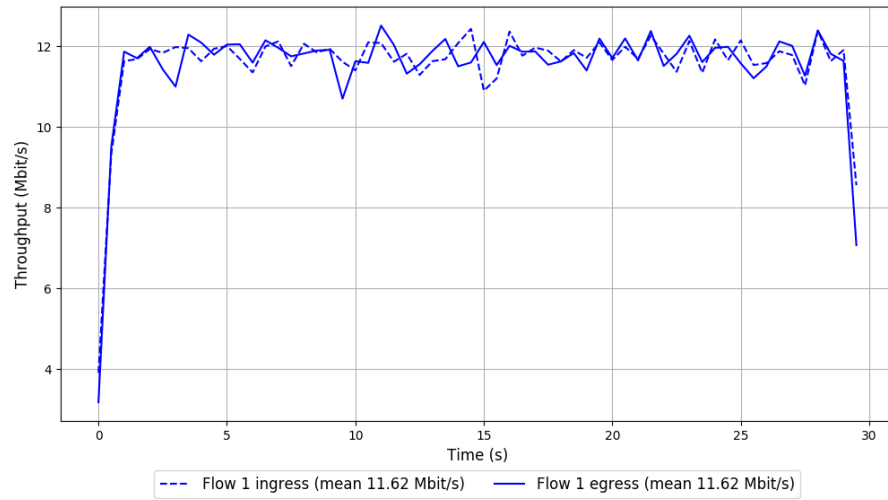
-- Flow 1:

Average throughput: 11.62 Mbit/s

95th percentile per-packet one-way delay: 27.372 ms

Loss rate: 0.26%

### Run 9: Report of Sprout — Data Link

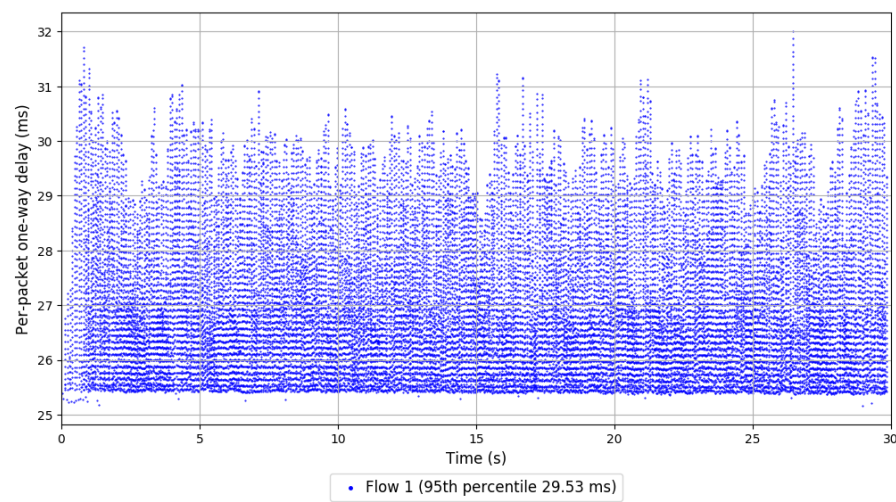
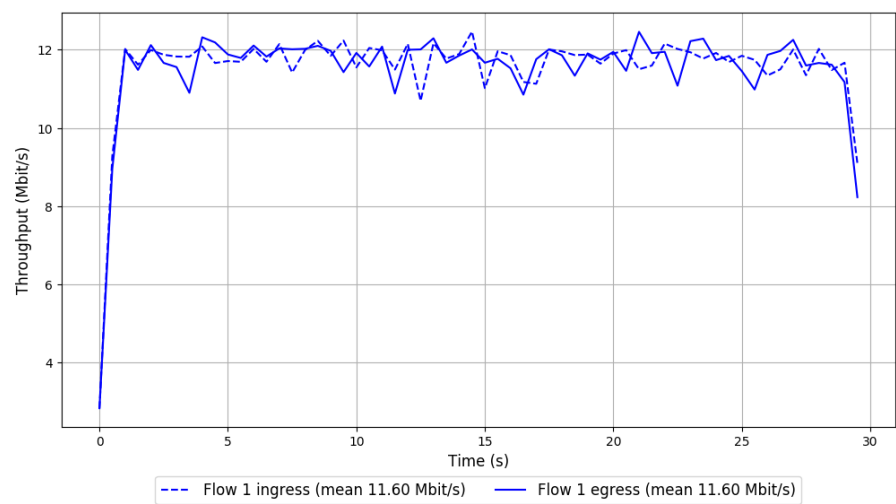


Run 10: Statistics of Sprout

Start at: 2017-09-23 03:16:54  
End at: 2017-09-23 03:17:24  
Local clock offset: -3.726 ms  
Remote clock offset: -0.604 ms

# Below is generated by plot.py at 2017-09-23 06:49:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.60 Mbit/s  
95th percentile per-packet one-way delay: 29.526 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 11.60 Mbit/s  
95th percentile per-packet one-way delay: 29.526 ms  
Loss rate: 0.24%

Run 10: Report of Sprout — Data Link



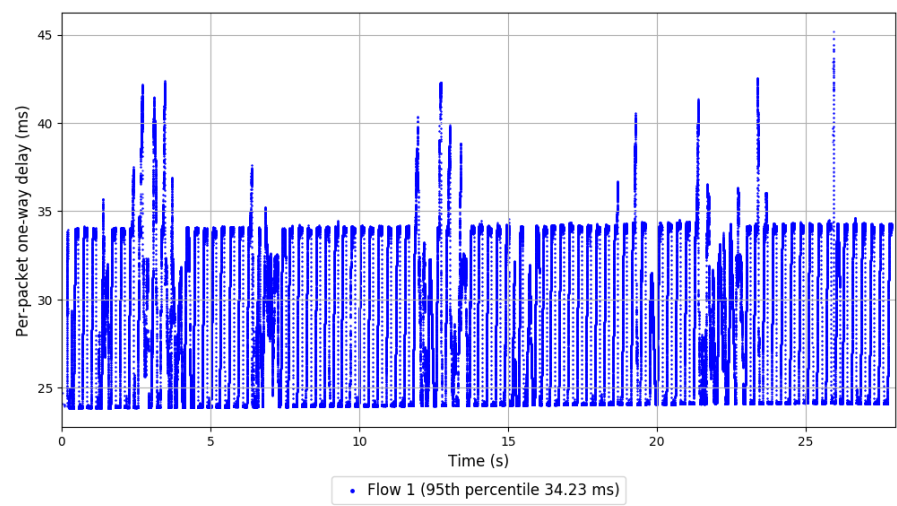
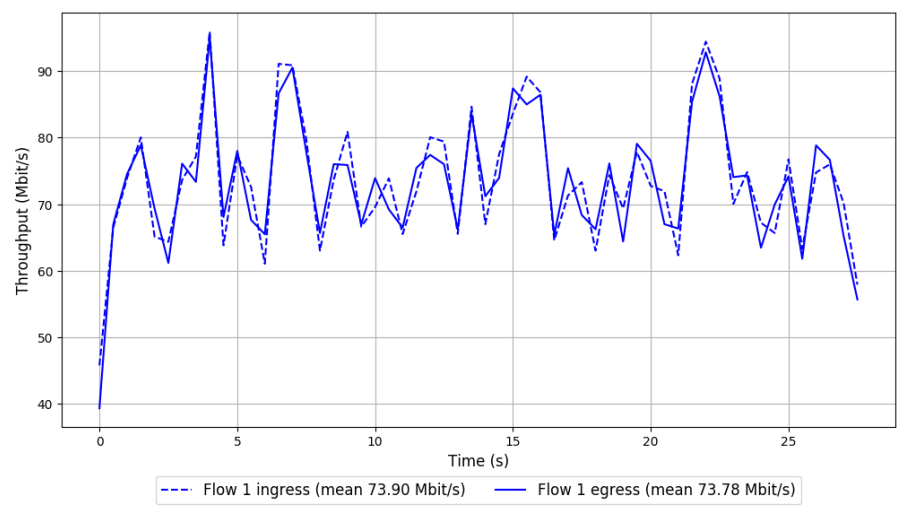
```
Run 1: Statistics of TaoVA-100x

Start at: 2017-09-23 00:41:24
End at: 2017-09-23 00:41:54
Local clock offset: -9.752 ms
Remote clock offset: 0.444 ms

# Below is generated by plot.py at 2017-09-23 06:51:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.78 Mbit/s
95th percentile per-packet one-way delay: 34.227 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 73.78 Mbit/s
95th percentile per-packet one-way delay: 34.227 ms
Loss rate: 0.42%
```



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



Run 2: Statistics of TaoVA-100x

Start at: 2017-09-23 01:00:12

End at: 2017-09-23 01:00:42

Local clock offset: -6.04 ms

Remote clock offset: 1.197 ms

# Below is generated by plot.py at 2017-09-23 06:51:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.92 Mbit/s

95th percentile per-packet one-way delay: 33.415 ms

Loss rate: 0.52%

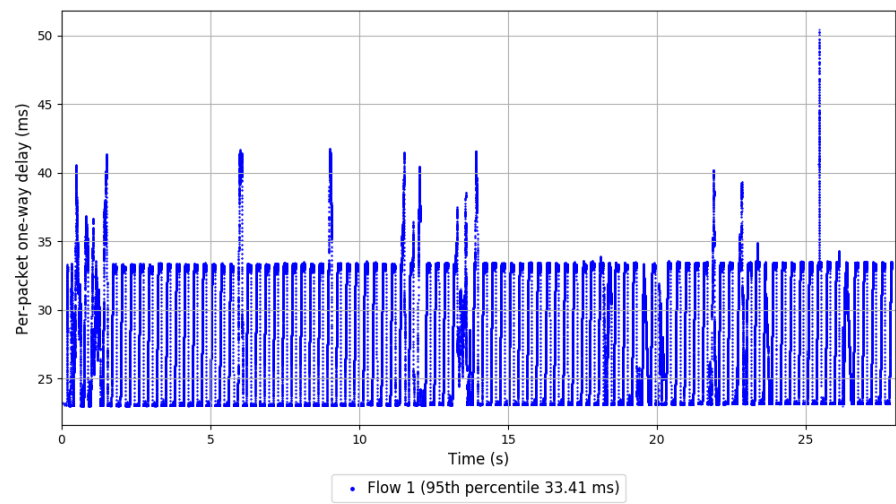
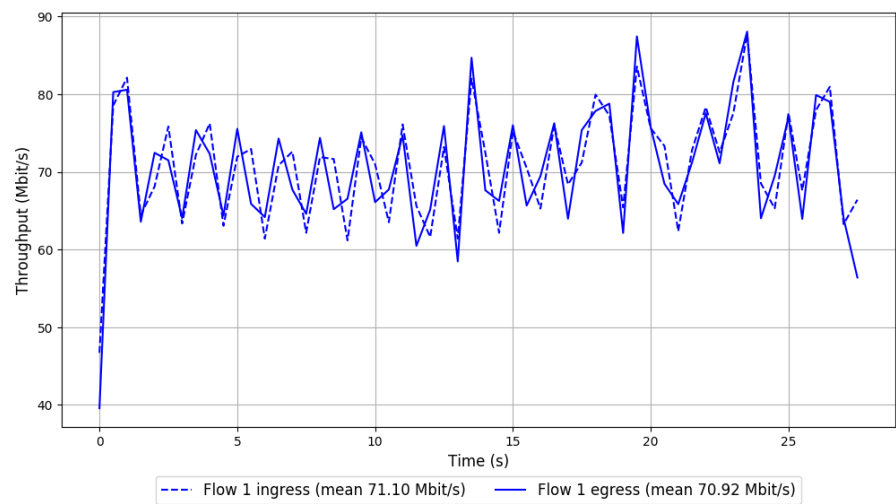
-- Flow 1:

Average throughput: 70.92 Mbit/s

95th percentile per-packet one-way delay: 33.415 ms

Loss rate: 0.52%

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-09-23 01:19:23

End at: 2017-09-23 01:19:53

Local clock offset: -5.571 ms

Remote clock offset: 0.989 ms

# Below is generated by plot.py at 2017-09-23 06:51:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.64 Mbit/s

95th percentile per-packet one-way delay: 35.657 ms

Loss rate: 0.42%

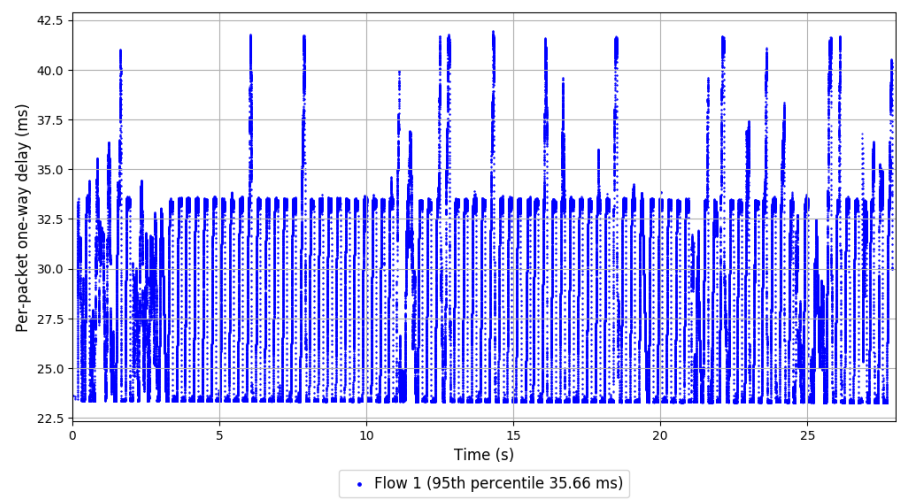
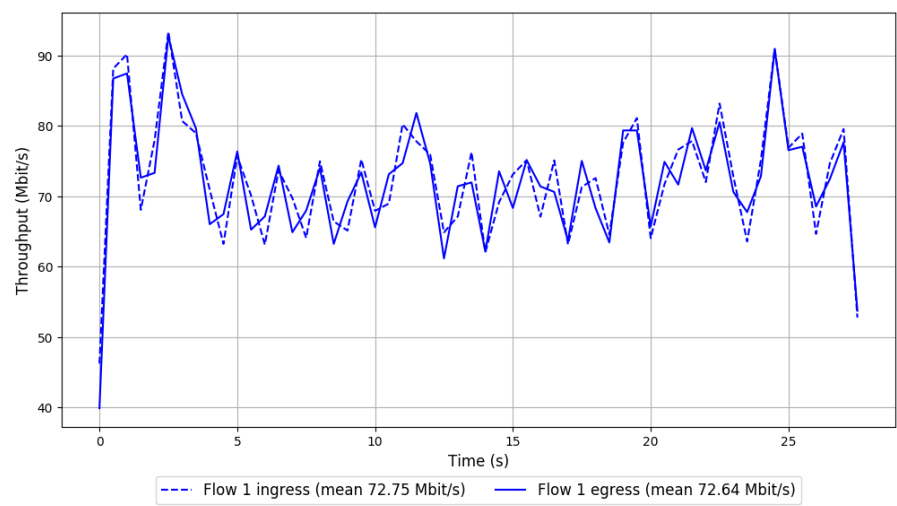
-- Flow 1:

Average throughput: 72.64 Mbit/s

95th percentile per-packet one-way delay: 35.657 ms

Loss rate: 0.42%

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

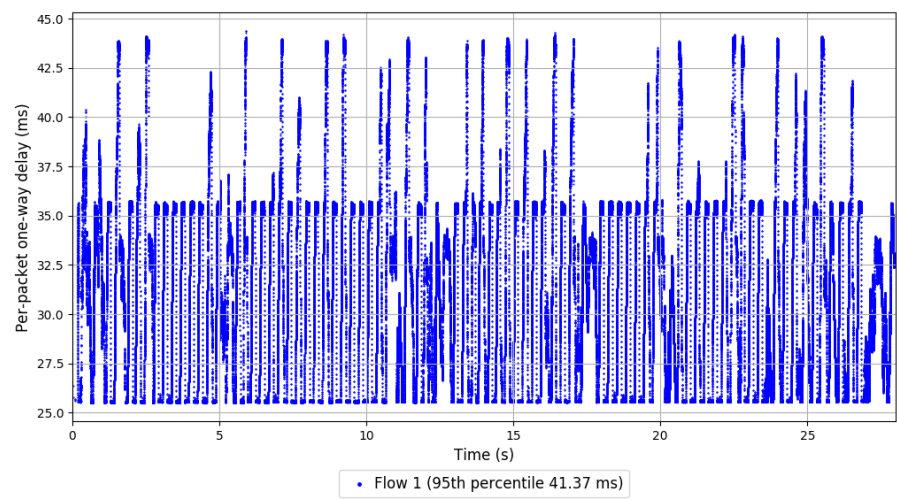
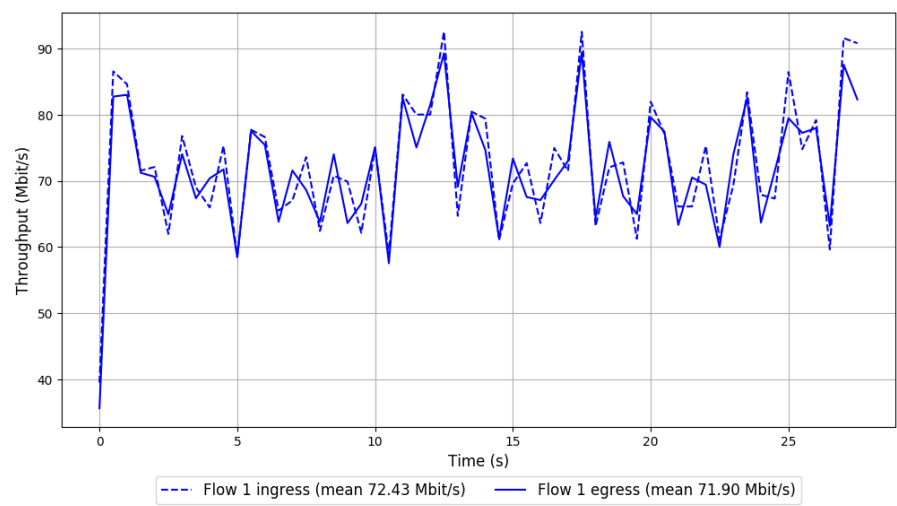


Run 4: Statistics of TaoVA-100x

Start at: 2017-09-23 01:38:42  
End at: 2017-09-23 01:39:12  
Local clock offset: -4.671 ms  
Remote clock offset: -0.732 ms

# Below is generated by plot.py at 2017-09-23 06:51:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 71.90 Mbit/s  
95th percentile per-packet one-way delay: 41.365 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 71.90 Mbit/s  
95th percentile per-packet one-way delay: 41.365 ms  
Loss rate: 0.99%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-09-23 01:57:42

End at: 2017-09-23 01:58:12

Local clock offset: -7.996 ms

Remote clock offset: 2.207 ms

# Below is generated by plot.py at 2017-09-23 06:51:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.82 Mbit/s

95th percentile per-packet one-way delay: 37.862 ms

Loss rate: 0.45%

-- Flow 1:

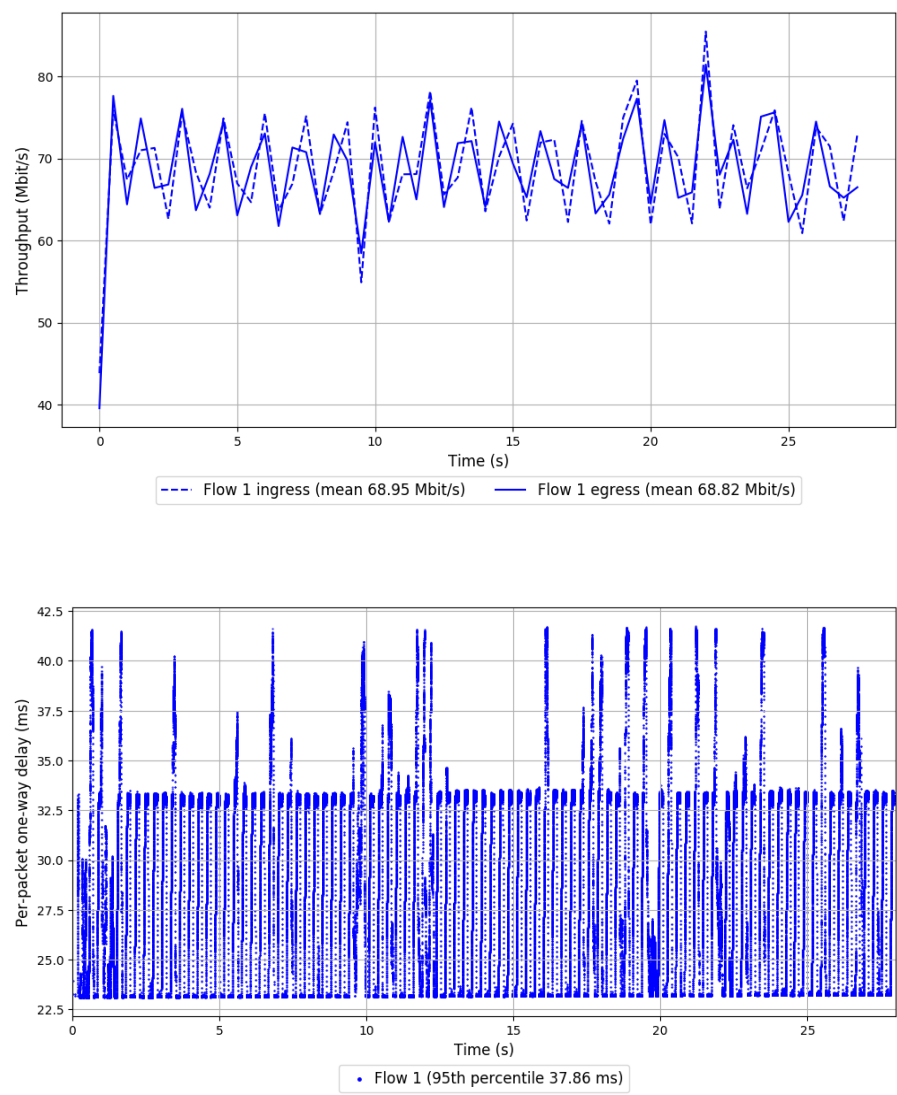
Average throughput: 68.82 Mbit/s

95th percentile per-packet one-way delay: 37.862 ms

Loss rate: 0.45%



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

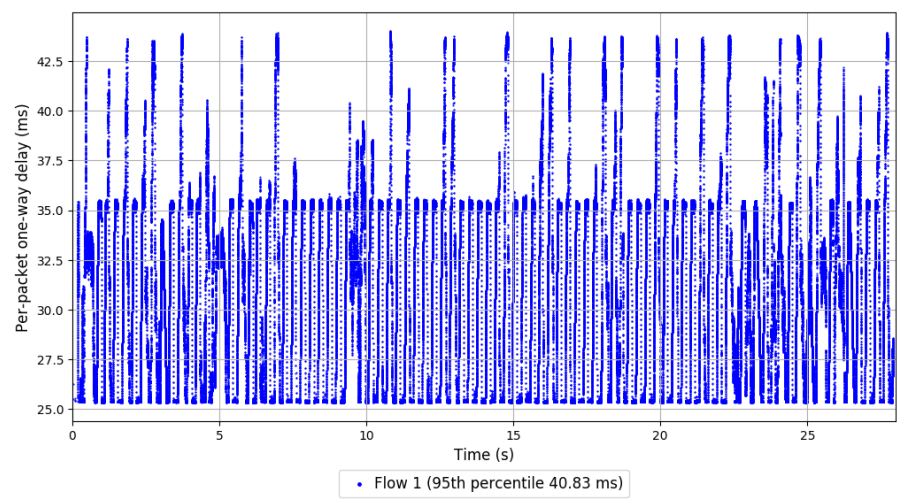
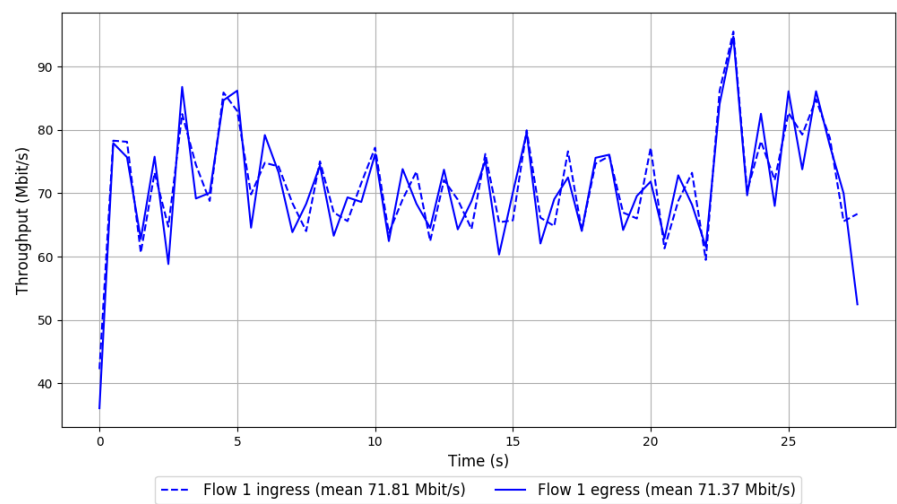


Run 6: Statistics of TaoVA-100x

Start at: 2017-09-23 02:16:31  
End at: 2017-09-23 02:17:01  
Local clock offset: -8.816 ms  
Remote clock offset: -0.104 ms

# Below is generated by plot.py at 2017-09-23 06:51:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 71.37 Mbit/s  
95th percentile per-packet one-way delay: 40.825 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 71.37 Mbit/s  
95th percentile per-packet one-way delay: 40.825 ms  
Loss rate: 0.87%

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

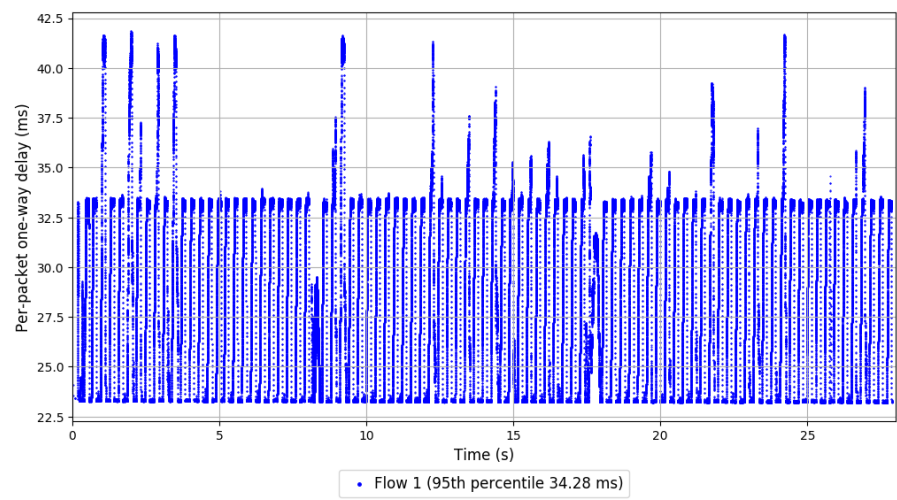
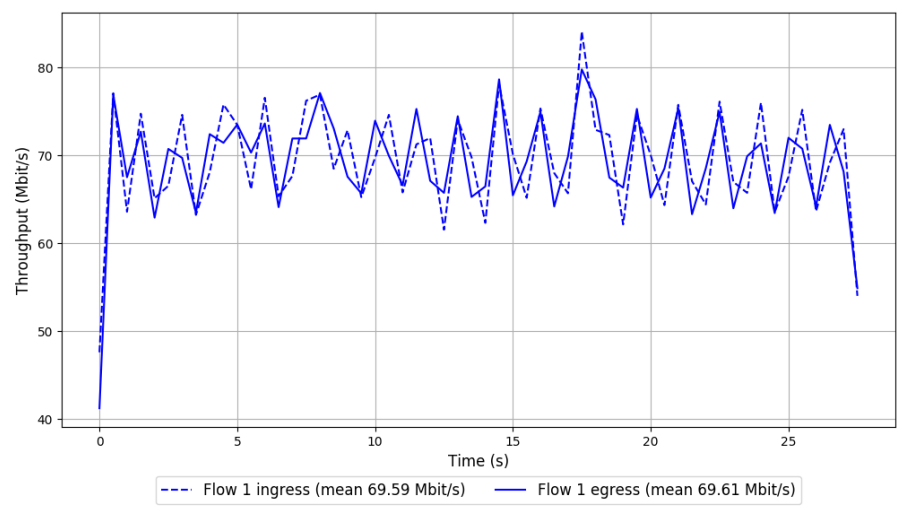


Run 7: Statistics of TaoVA-100x

Start at: 2017-09-23 02:35:14  
End at: 2017-09-23 02:35:44  
Local clock offset: -6.267 ms  
Remote clock offset: 1.88 ms

# Below is generated by plot.py at 2017-09-23 06:51:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 69.61 Mbit/s  
95th percentile per-packet one-way delay: 34.278 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 69.61 Mbit/s  
95th percentile per-packet one-way delay: 34.278 ms  
Loss rate: 0.23%

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



Run 8: Statistics of TaoVA-100x

Start at: 2017-09-23 02:53:58

End at: 2017-09-23 02:54:28

Local clock offset: -4.259 ms

Remote clock offset: 1.881 ms

# Below is generated by plot.py at 2017-09-23 06:51:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.30 Mbit/s

95th percentile per-packet one-way delay: 33.522 ms

Loss rate: 0.16%

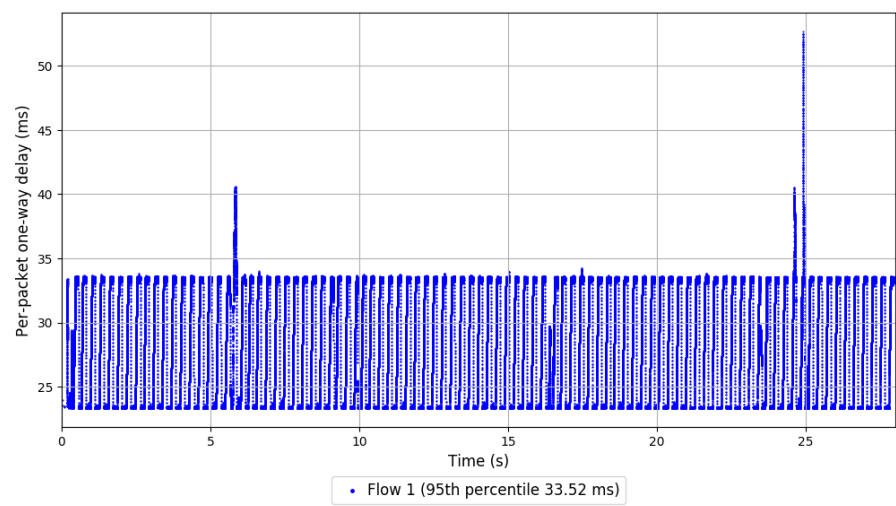
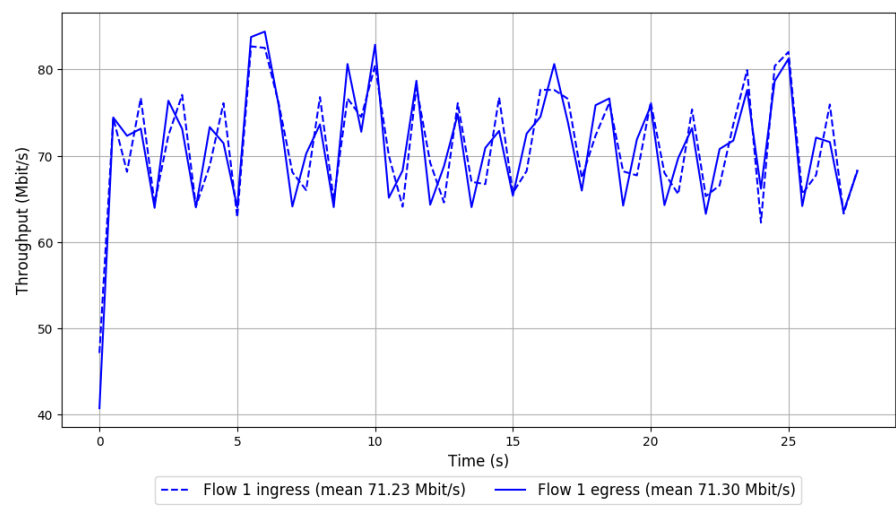
-- Flow 1:

Average throughput: 71.30 Mbit/s

95th percentile per-packet one-way delay: 33.522 ms

Loss rate: 0.16%

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



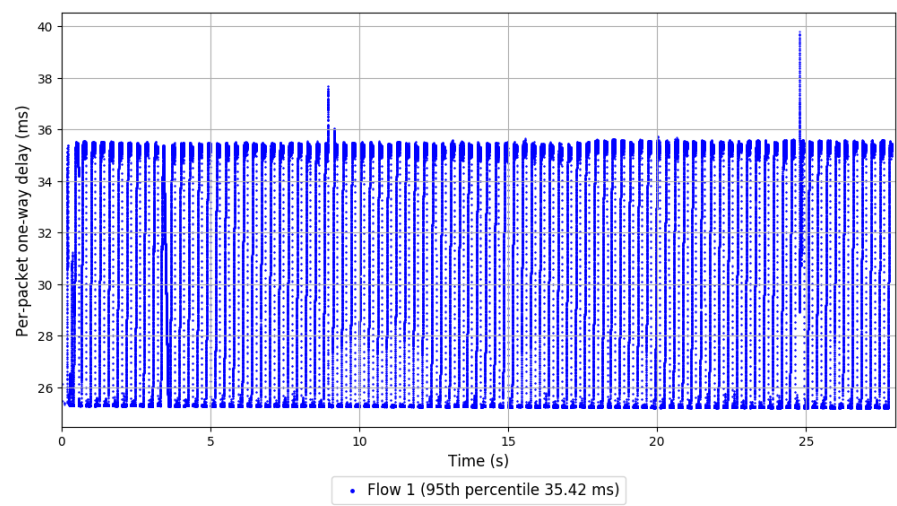
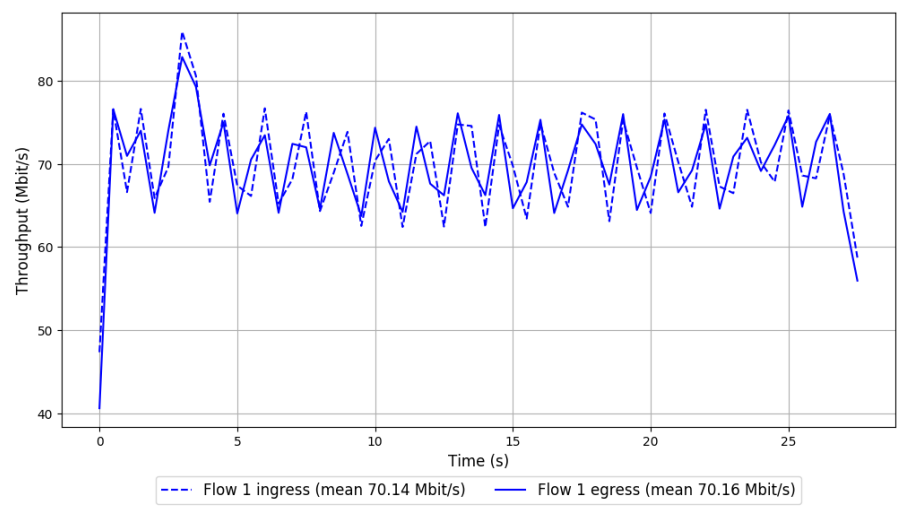
Run 9: Statistics of TaoVA-100x

Start at: 2017-09-23 03:12:46  
End at: 2017-09-23 03:13:16  
Local clock offset: -4.403 ms  
Remote clock offset: -0.546 ms

# Below is generated by plot.py at 2017-09-23 06:53:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.16 Mbit/s  
95th percentile per-packet one-way delay: 35.422 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 70.16 Mbit/s  
95th percentile per-packet one-way delay: 35.422 ms  
Loss rate: 0.24%



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



Run 10: Statistics of TaoVA-100x

Start at: 2017-09-23 03:31:32

End at: 2017-09-23 03:32:02

Local clock offset: -2.746 ms

Remote clock offset: -0.887 ms

# Below is generated by plot.py at 2017-09-23 06:53:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.18 Mbit/s

95th percentile per-packet one-way delay: 35.591 ms

Loss rate: 0.41%

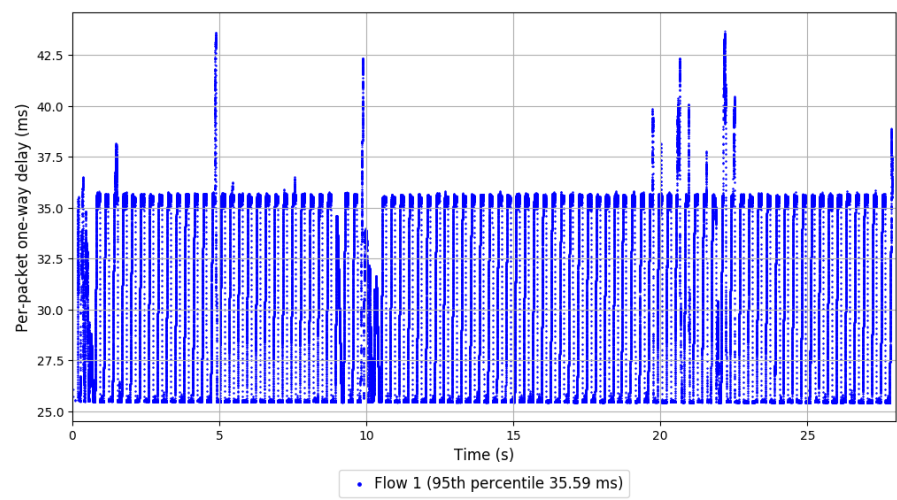
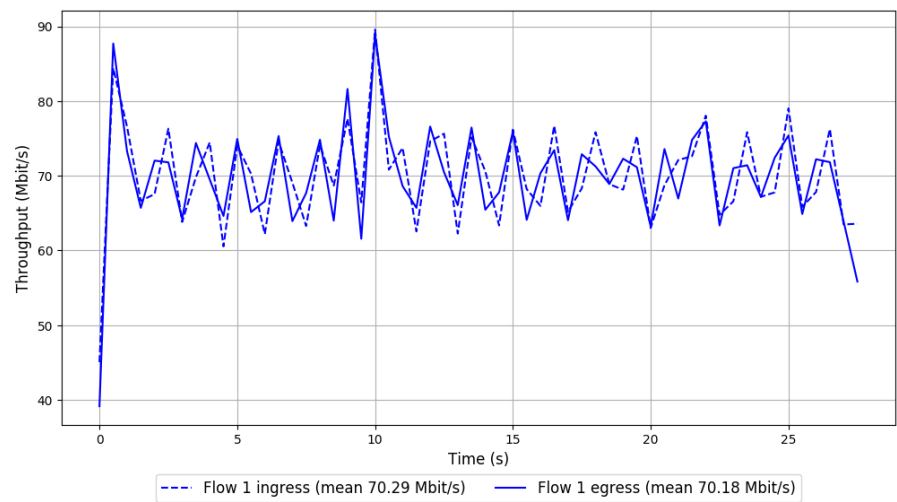
-- Flow 1:

Average throughput: 70.18 Mbit/s

95th percentile per-packet one-way delay: 35.591 ms

Loss rate: 0.41%

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



Run 1: Statistics of TCP Vegas

Start at: 2017-09-23 00:37:23

End at: 2017-09-23 00:37:53

Local clock offset: -7.63 ms

Remote clock offset: 0.405 ms

# Below is generated by plot.py at 2017-09-23 06:53:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.04 Mbit/s

95th percentile per-packet one-way delay: 30.662 ms

Loss rate: 0.30%

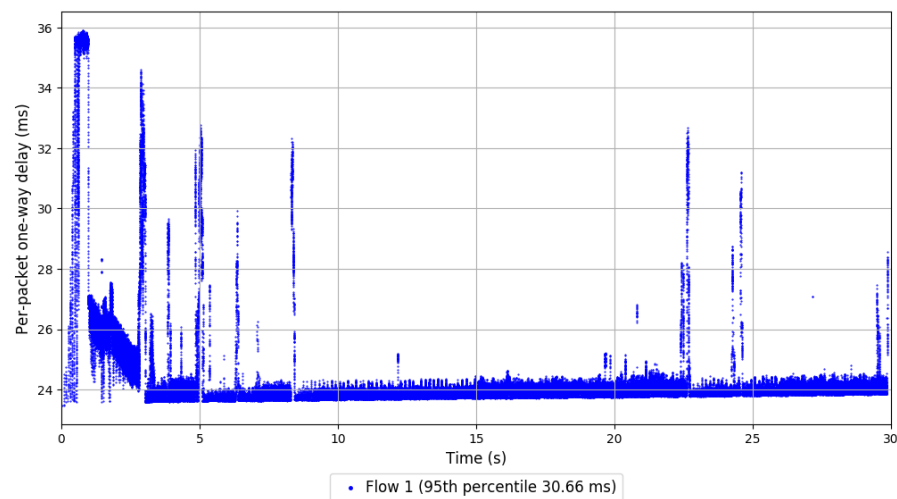
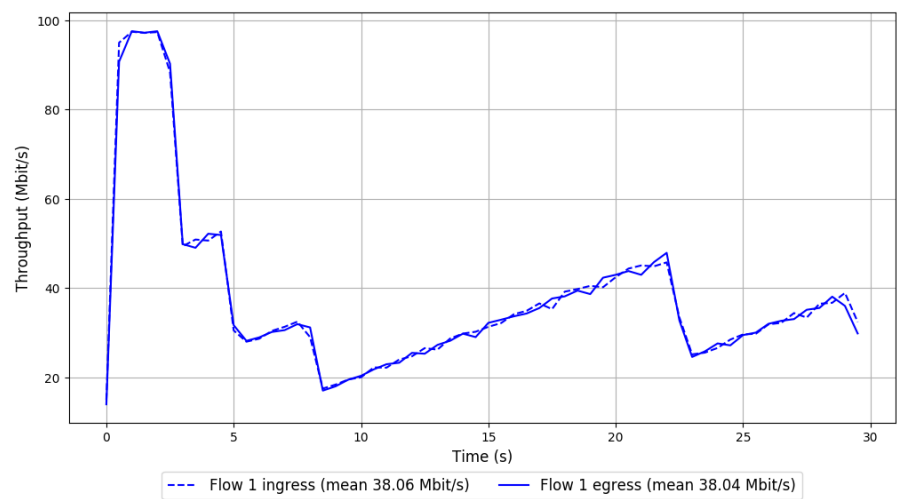
-- Flow 1:

Average throughput: 38.04 Mbit/s

95th percentile per-packet one-way delay: 30.662 ms

Loss rate: 0.30%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-09-23 00:56:02

End at: 2017-09-23 00:56:32

Local clock offset: -4.599 ms

Remote clock offset: 0.602 ms

# Below is generated by plot.py at 2017-09-23 06:53:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.21 Mbit/s

95th percentile per-packet one-way delay: 35.454 ms

Loss rate: 0.30%

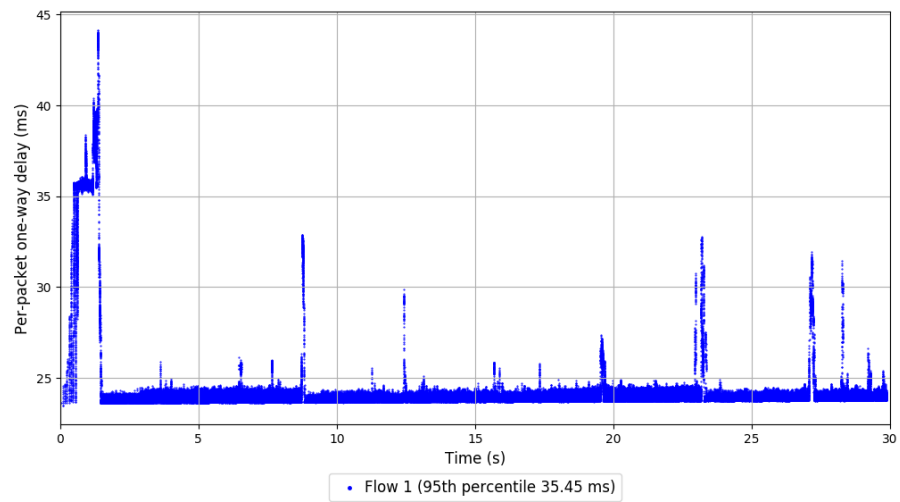
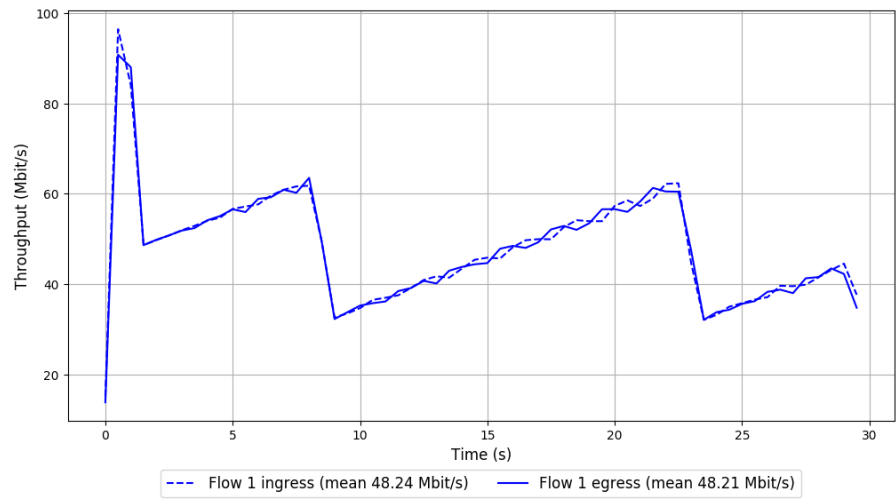
-- Flow 1:

Average throughput: 48.21 Mbit/s

95th percentile per-packet one-way delay: 35.454 ms

Loss rate: 0.30%

## Run 2: Report of TCP Vegas — Data Link



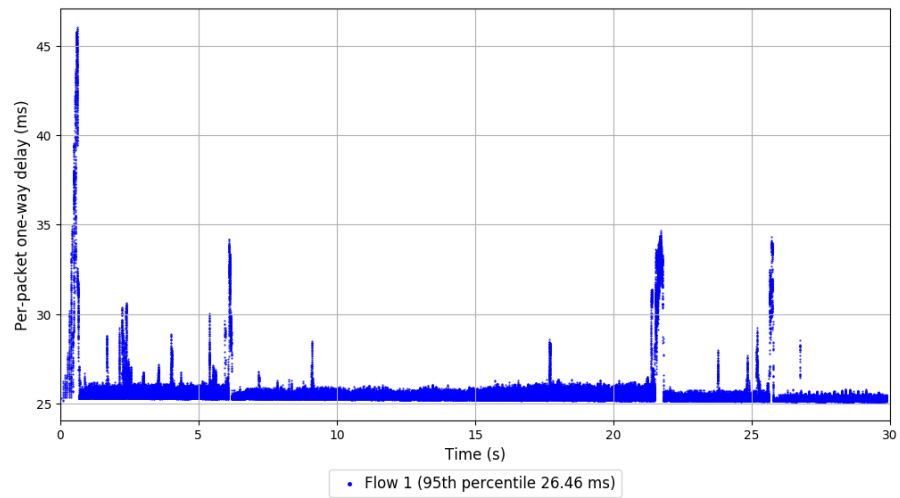
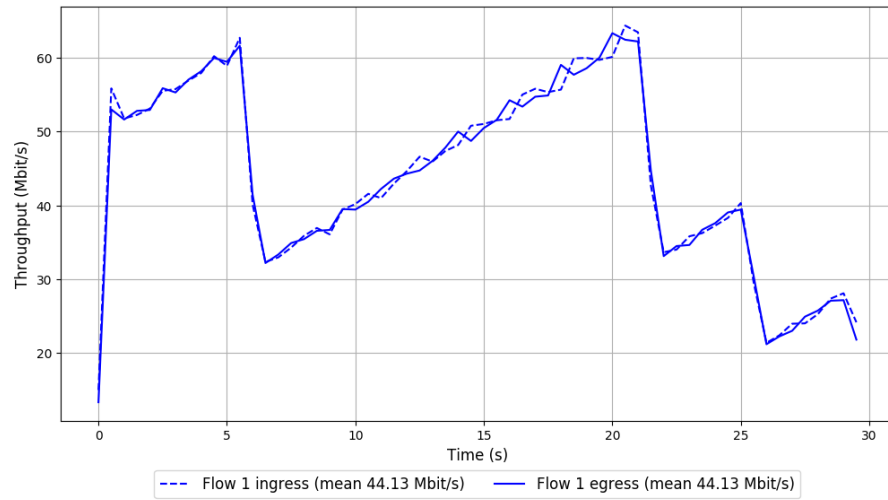
Run 3: Statistics of TCP Vegas

Start at: 2017-09-23 01:15:04  
End at: 2017-09-23 01:15:34  
Local clock offset: -7.107 ms  
Remote clock offset: -1.034 ms

# Below is generated by plot.py at 2017-09-23 06:53:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 44.13 Mbit/s  
95th percentile per-packet one-way delay: 26.460 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 44.13 Mbit/s  
95th percentile per-packet one-way delay: 26.460 ms  
Loss rate: 0.26%



### Run 3: Report of TCP Vegas — Data Link

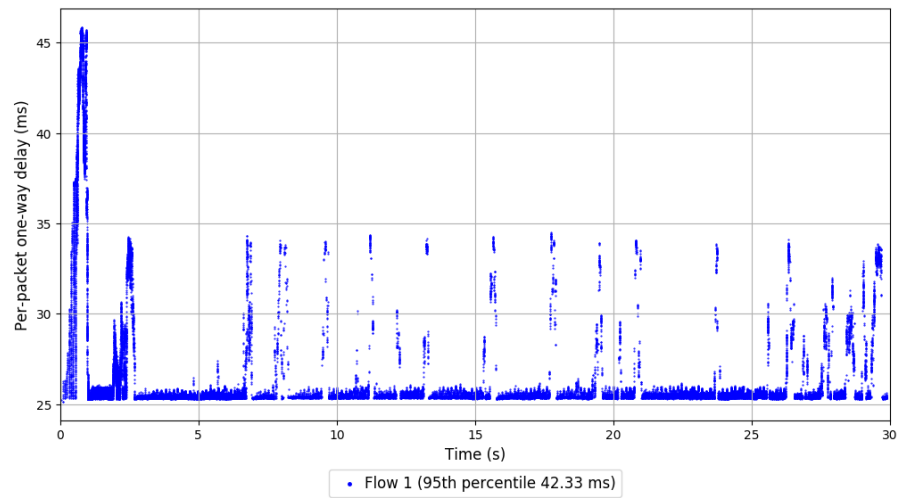
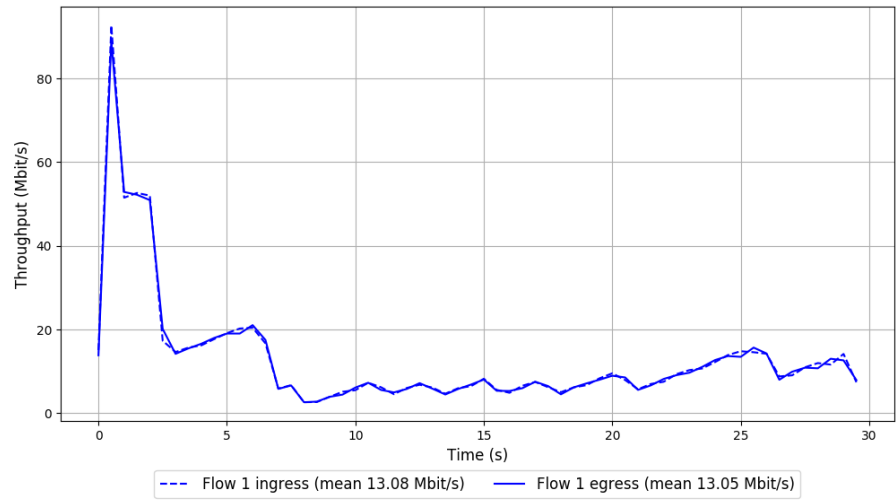


Run 4: Statistics of TCP Vegas

Start at: 2017-09-23 01:34:30  
End at: 2017-09-23 01:35:00  
Local clock offset: -4.7 ms  
Remote clock offset: -0.656 ms

# Below is generated by plot.py at 2017-09-23 06:53:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.05 Mbit/s  
95th percentile per-packet one-way delay: 42.328 ms  
Loss rate: 0.53%  
-- Flow 1:  
Average throughput: 13.05 Mbit/s  
95th percentile per-packet one-way delay: 42.328 ms  
Loss rate: 0.53%

#### Run 4: Report of TCP Vegas — Data Link

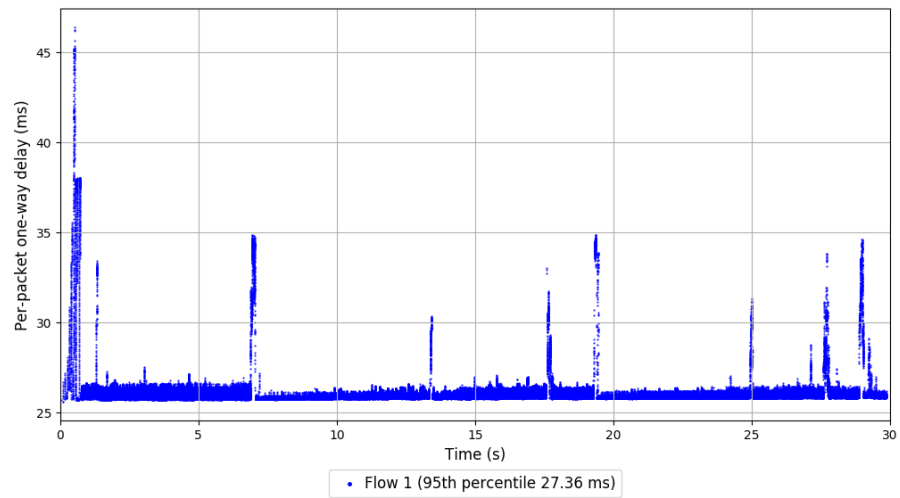
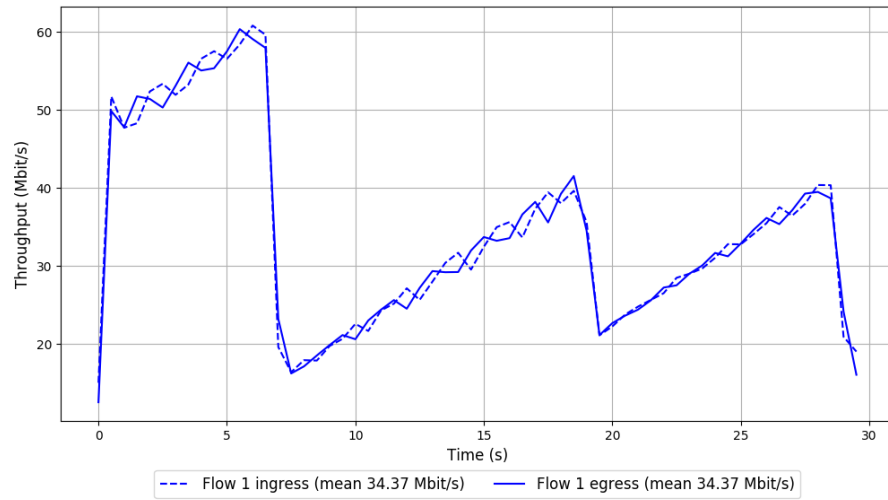


Run 5: Statistics of TCP Vegas

Start at: 2017-09-23 01:53:42  
End at: 2017-09-23 01:54:12  
Local clock offset: -6.98 ms  
Remote clock offset: -0.405 ms

# Below is generated by plot.py at 2017-09-23 06:53:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 34.37 Mbit/s  
95th percentile per-packet one-way delay: 27.363 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 34.37 Mbit/s  
95th percentile per-packet one-way delay: 27.363 ms  
Loss rate: 0.24%

### Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2017-09-23 02:12:28

End at: 2017-09-23 02:12:58

Local clock offset: -8.846 ms

Remote clock offset: 2.229 ms

# Below is generated by plot.py at 2017-09-23 06:53:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 16.96 Mbit/s

95th percentile per-packet one-way delay: 31.144 ms

Loss rate: 0.64%

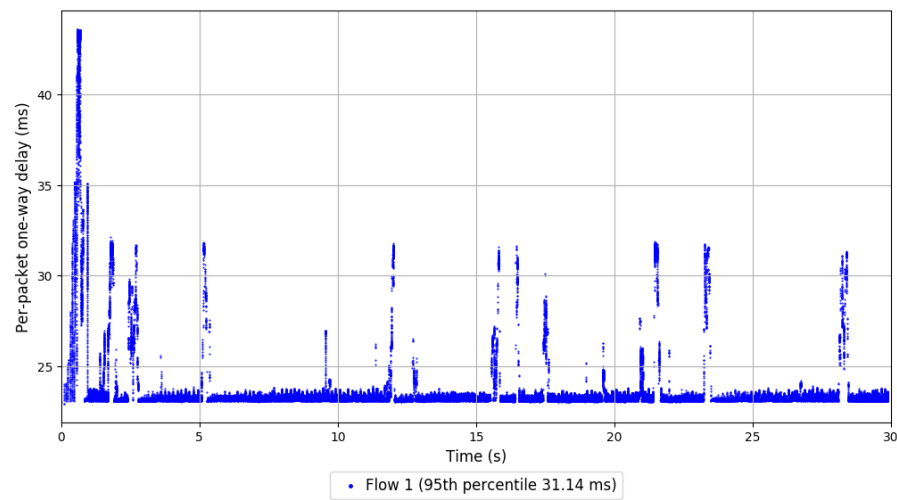
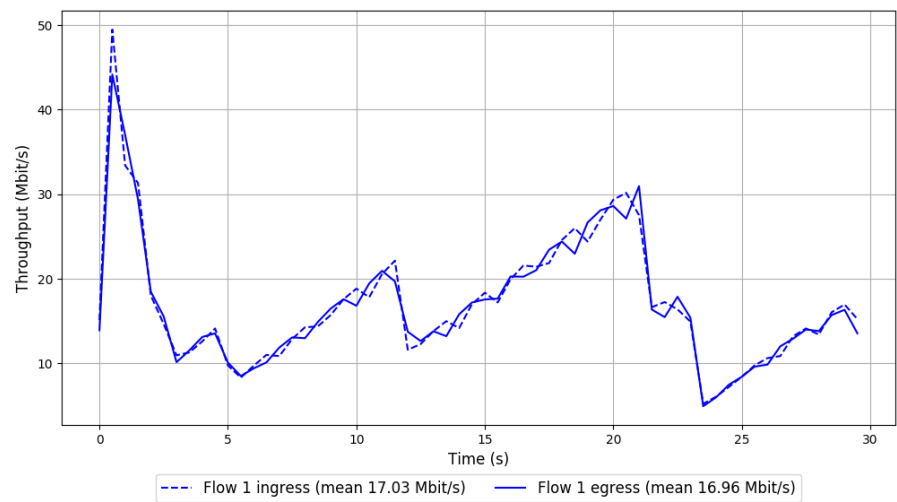
-- Flow 1:

Average throughput: 16.96 Mbit/s

95th percentile per-packet one-way delay: 31.144 ms

Loss rate: 0.64%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2017-09-23 02:31:12

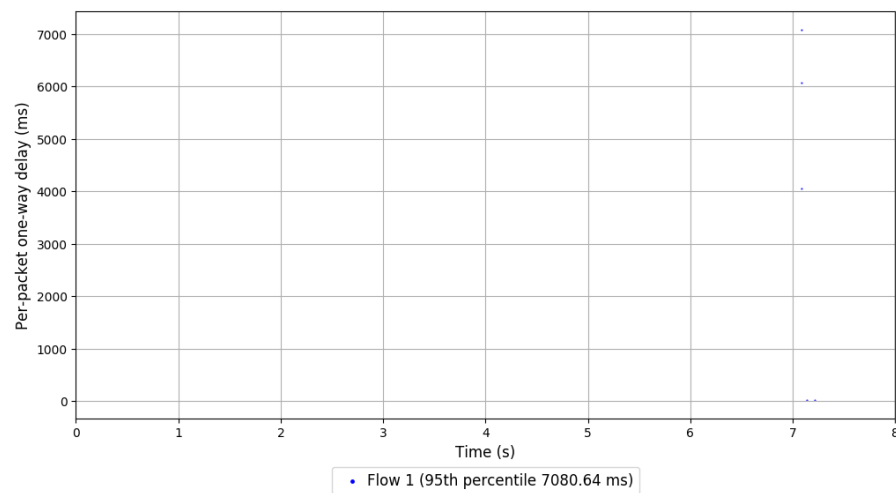
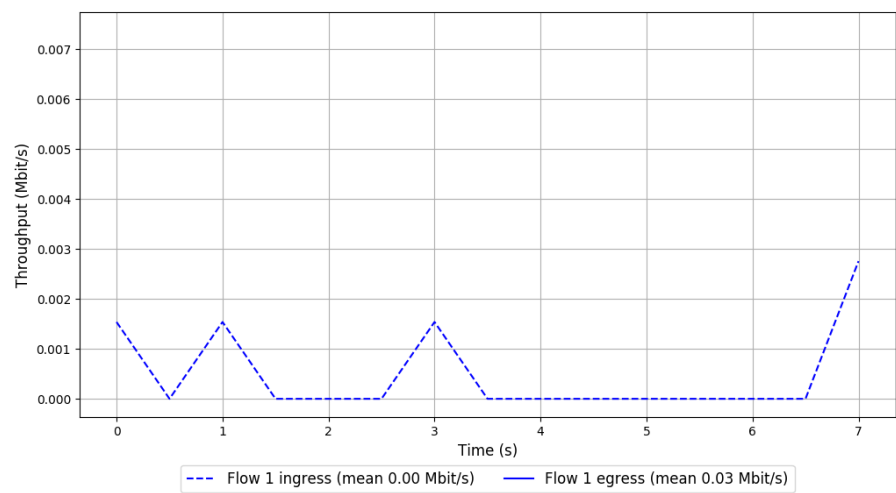
End at: 2017-09-23 02:31:42

Local clock offset: -6.924 ms

Remote clock offset: 2.448 ms



Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-09-23 02:49:53

End at: 2017-09-23 02:50:23

Local clock offset: -4.282 ms

Remote clock offset: -0.27 ms

# Below is generated by plot.py at 2017-09-23 06:53:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.77 Mbit/s

95th percentile per-packet one-way delay: 30.491 ms

Loss rate: 0.33%

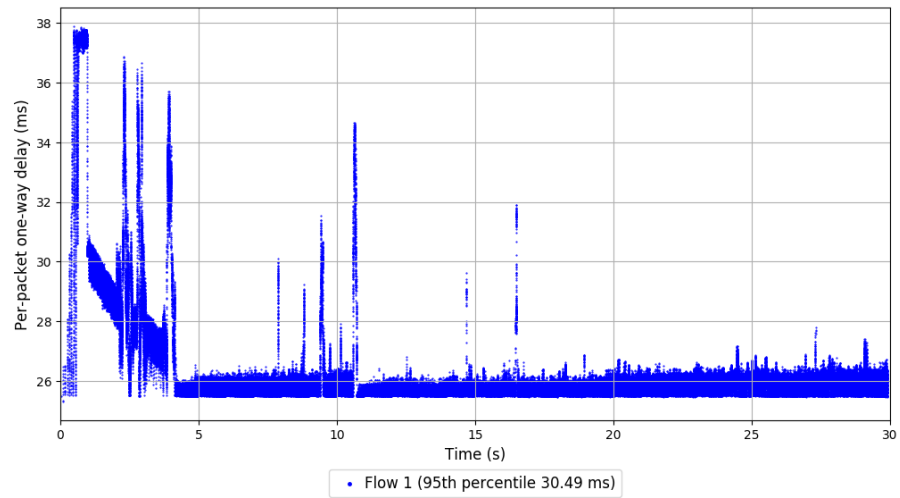
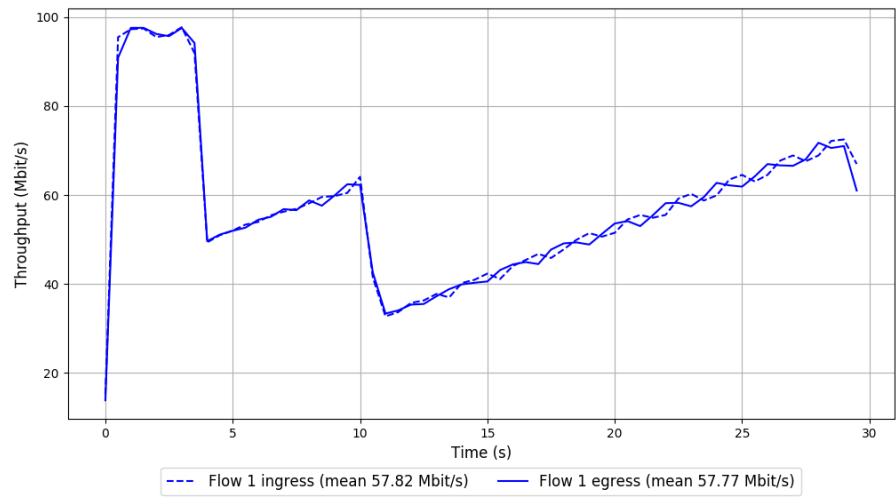
-- Flow 1:

Average throughput: 57.77 Mbit/s

95th percentile per-packet one-way delay: 30.491 ms

Loss rate: 0.33%

### Run 8: Report of TCP Vegas — Data Link

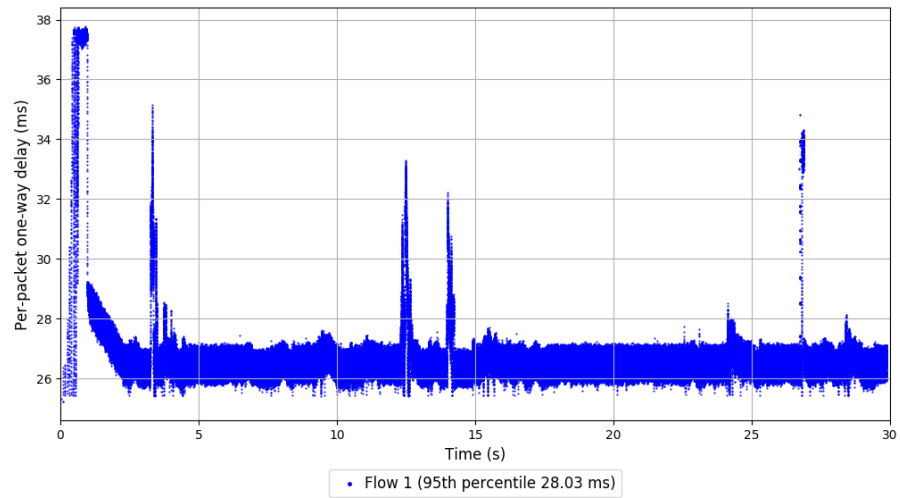
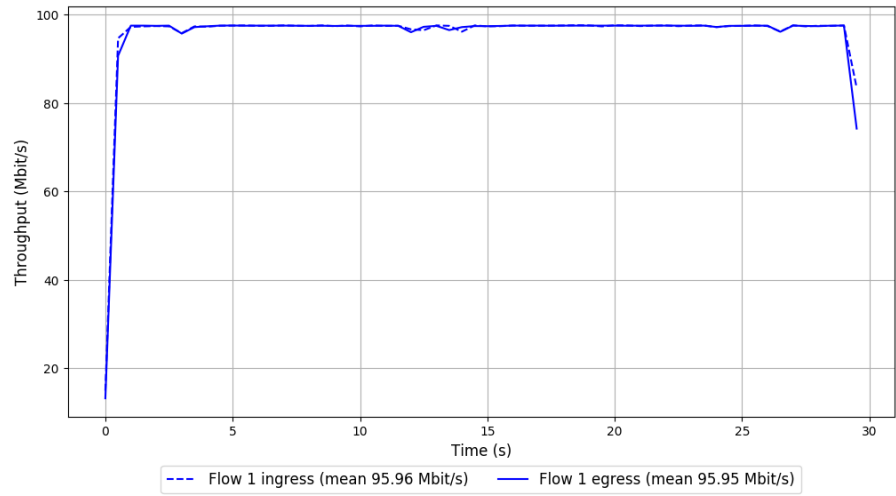


Run 9: Statistics of TCP Vegas

Start at: 2017-09-23 03:08:40  
End at: 2017-09-23 03:09:10  
Local clock offset: -4.507 ms  
Remote clock offset: -0.507 ms

# Below is generated by plot.py at 2017-09-23 06:53:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.95 Mbit/s  
95th percentile per-packet one-way delay: 28.032 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 95.95 Mbit/s  
95th percentile per-packet one-way delay: 28.032 ms  
Loss rate: 0.25%

### Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2017-09-23 03:27:28

End at: 2017-09-23 03:27:58

Local clock offset: -2.886 ms

Remote clock offset: -0.71 ms

# Below is generated by plot.py at 2017-09-23 06:53:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.71 Mbit/s

95th percentile per-packet one-way delay: 29.067 ms

Loss rate: 0.30%

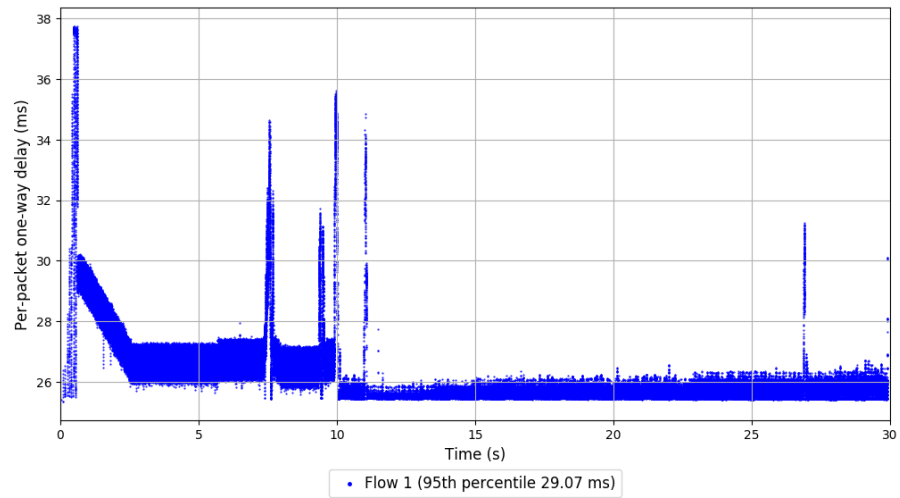
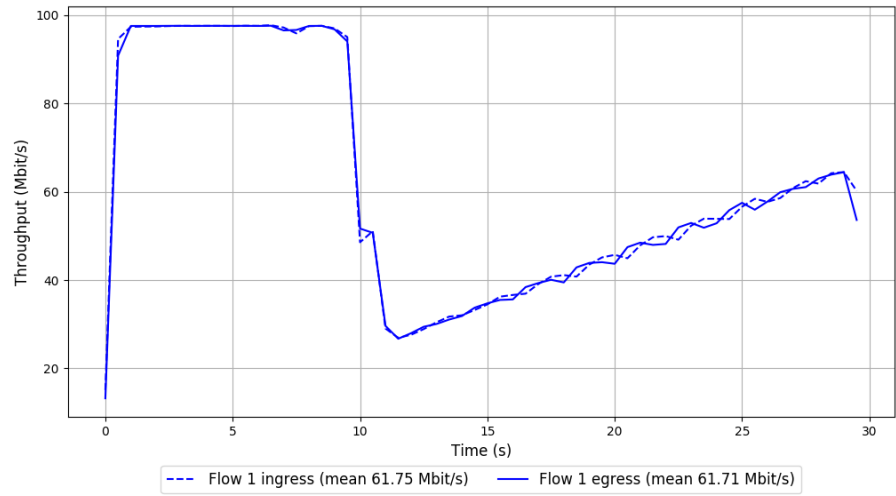
-- Flow 1:

Average throughput: 61.71 Mbit/s

95th percentile per-packet one-way delay: 29.067 ms

Loss rate: 0.30%

# Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2017-09-23 00:35:53

End at: 2017-09-23 00:36:23

Local clock offset: -6.915 ms

Remote clock offset: 0.405 ms

# Below is generated by plot.py at 2017-09-23 06:53:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.95 Mbit/s

95th percentile per-packet one-way delay: 42.468 ms

Loss rate: 0.48%

-- Flow 1:

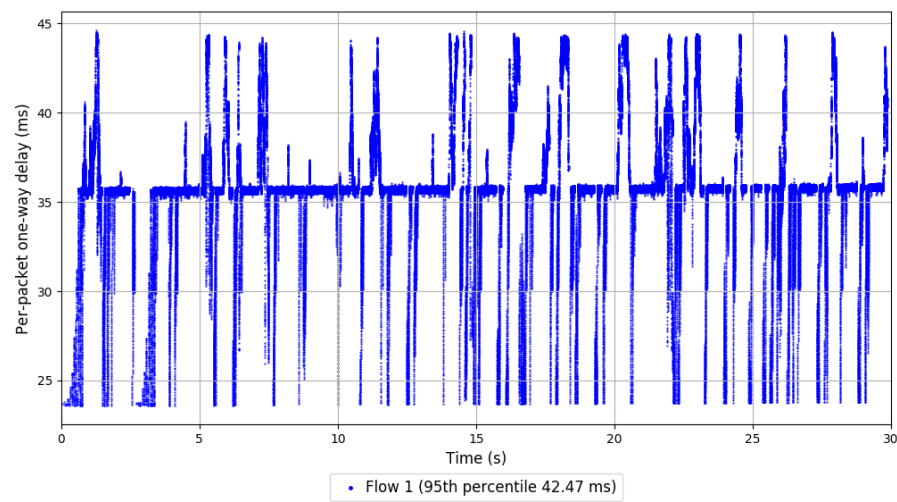
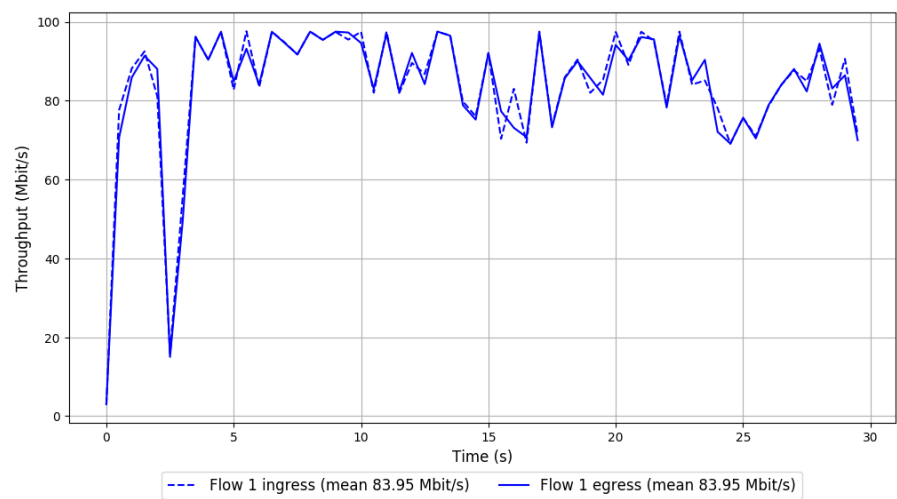
Average throughput: 83.95 Mbit/s

95th percentile per-packet one-way delay: 42.468 ms

Loss rate: 0.48%



Run 1: Report of Verus — Data Link

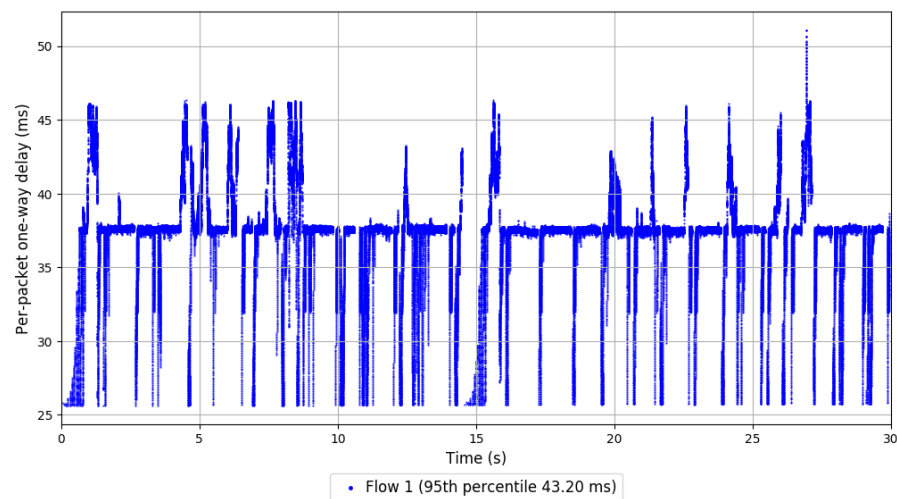
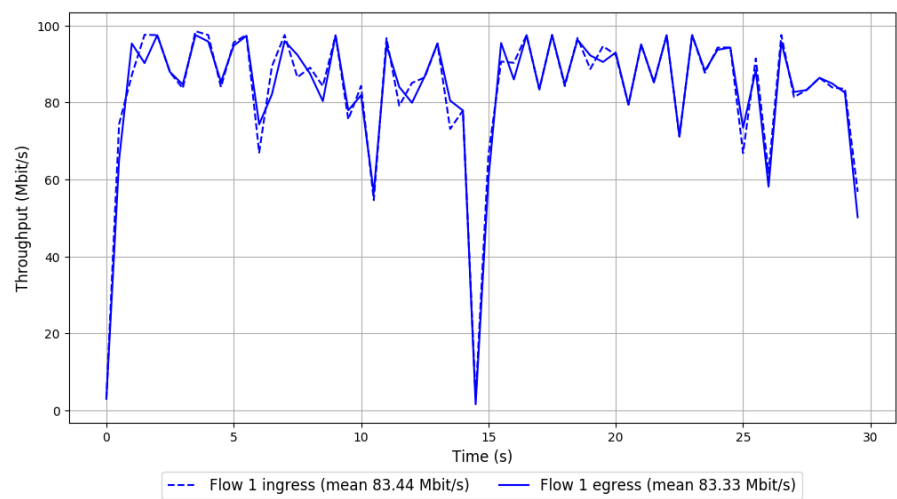


Run 2: Statistics of Verus

Start at: 2017-09-23 00:54:39  
End at: 2017-09-23 00:55:09  
Local clock offset: -4.241 ms  
Remote clock offset: -1.386 ms

# Below is generated by plot.py at 2017-09-23 06:53:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.33 Mbit/s  
95th percentile per-packet one-way delay: 43.202 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 83.33 Mbit/s  
95th percentile per-packet one-way delay: 43.202 ms  
Loss rate: 0.37%

Run 2: Report of Verus — Data Link

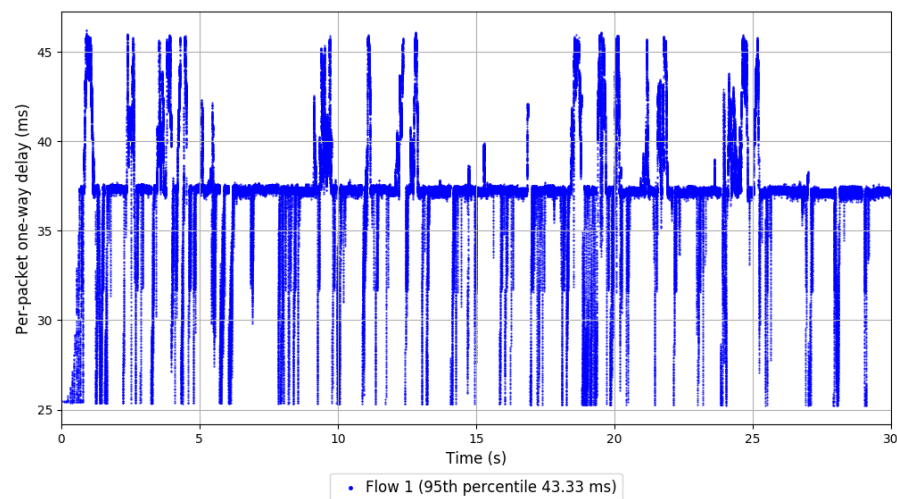
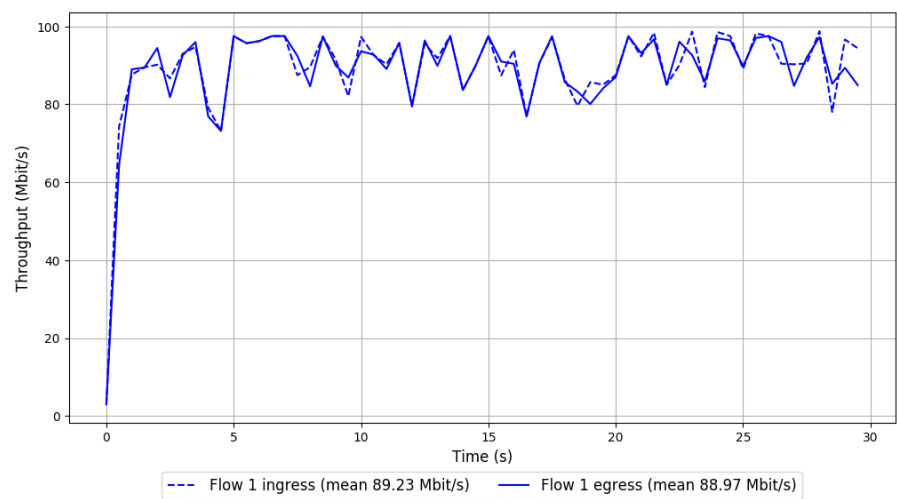


Run 3: Statistics of Verus

Start at: 2017-09-23 01:13:38  
End at: 2017-09-23 01:14:08  
Local clock offset: -7.647 ms  
Remote clock offset: -1.168 ms

# Below is generated by plot.py at 2017-09-23 06:53:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.97 Mbit/s  
95th percentile per-packet one-way delay: 43.329 ms  
Loss rate: 0.54%  
-- Flow 1:  
Average throughput: 88.97 Mbit/s  
95th percentile per-packet one-way delay: 43.329 ms  
Loss rate: 0.54%

Run 3: Report of Verus — Data Link

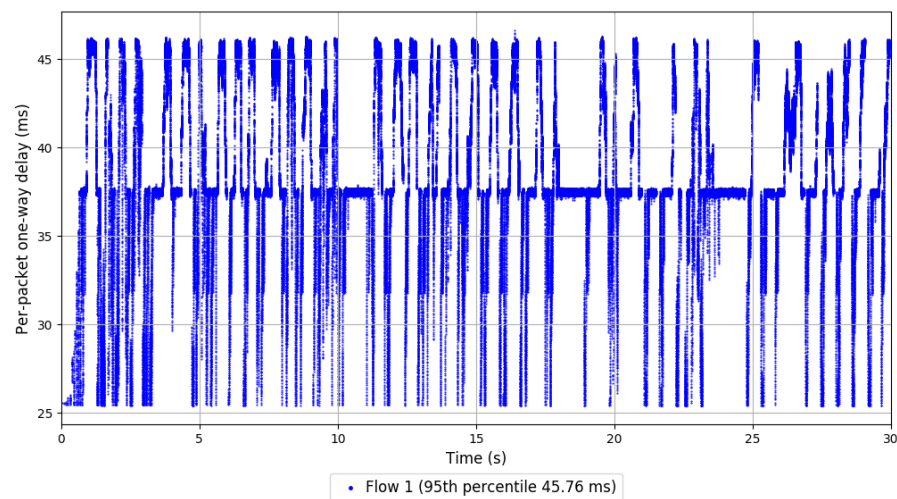
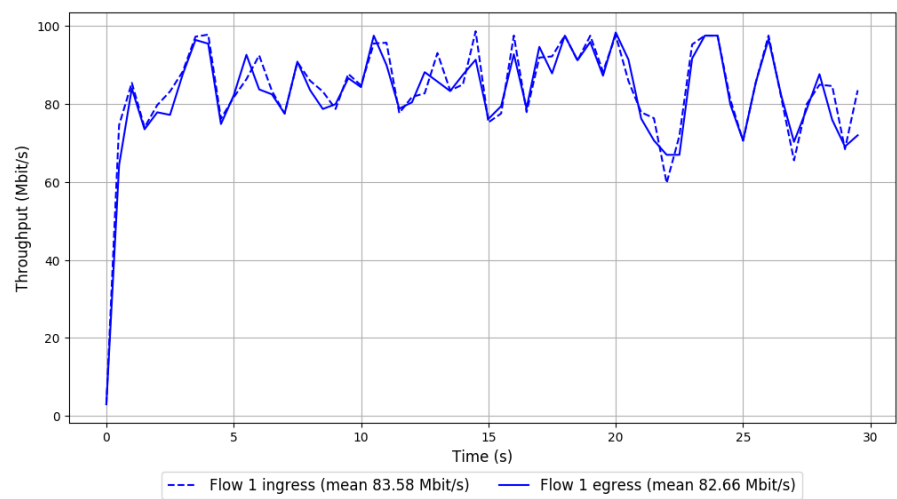


Run 4: Statistics of Verus

Start at: 2017-09-23 01:33:06  
End at: 2017-09-23 01:33:36  
Local clock offset: -4.735 ms  
Remote clock offset: -0.744 ms

# Below is generated by plot.py at 2017-09-23 06:53:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.66 Mbit/s  
95th percentile per-packet one-way delay: 45.760 ms  
Loss rate: 1.37%  
-- Flow 1:  
Average throughput: 82.66 Mbit/s  
95th percentile per-packet one-way delay: 45.760 ms  
Loss rate: 1.37%

Run 4: Report of Verus — Data Link



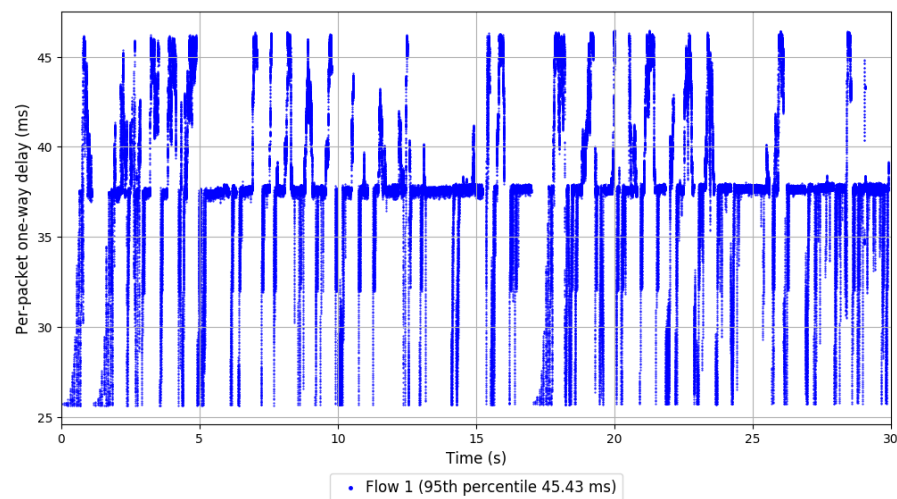
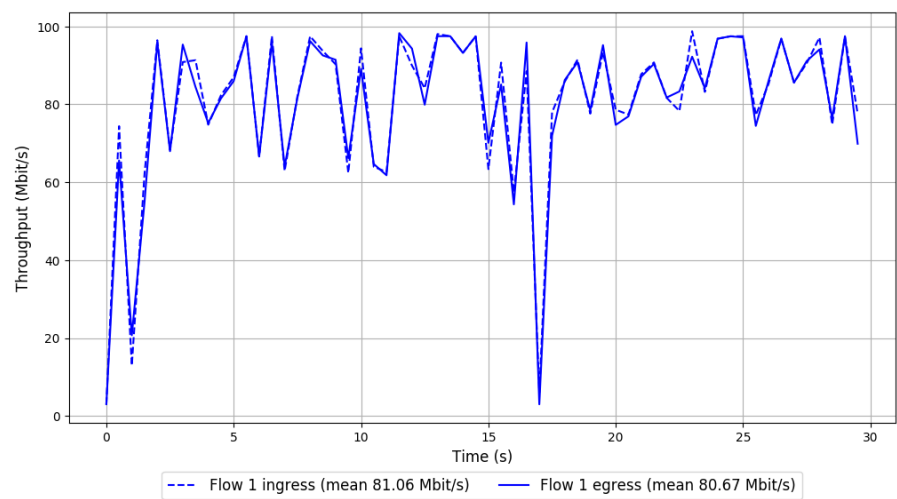
Run 5: Statistics of Verus

Start at: 2017-09-23 01:52:19  
End at: 2017-09-23 01:52:49  
Local clock offset: -6.738 ms  
Remote clock offset: -0.439 ms

# Below is generated by plot.py at 2017-09-23 06:54:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.67 Mbit/s  
95th percentile per-packet one-way delay: 45.428 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 80.67 Mbit/s  
95th percentile per-packet one-way delay: 45.428 ms  
Loss rate: 0.70%



Run 5: Report of Verus — Data Link

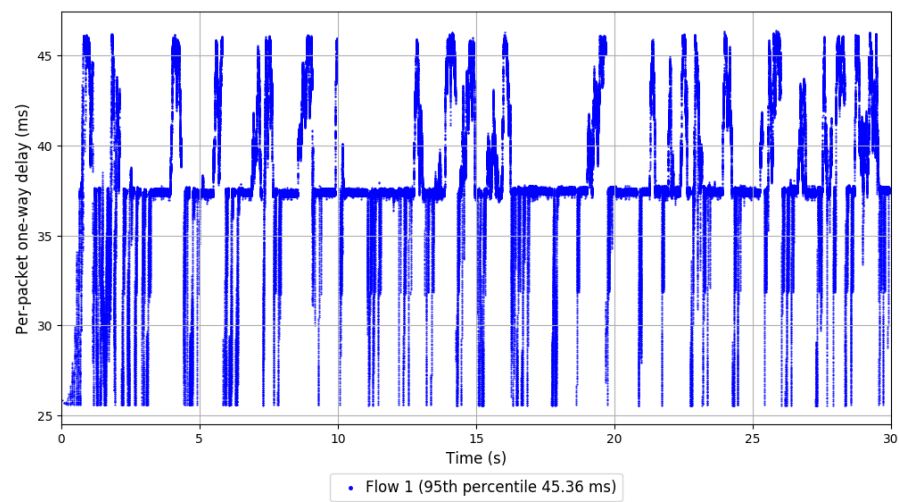
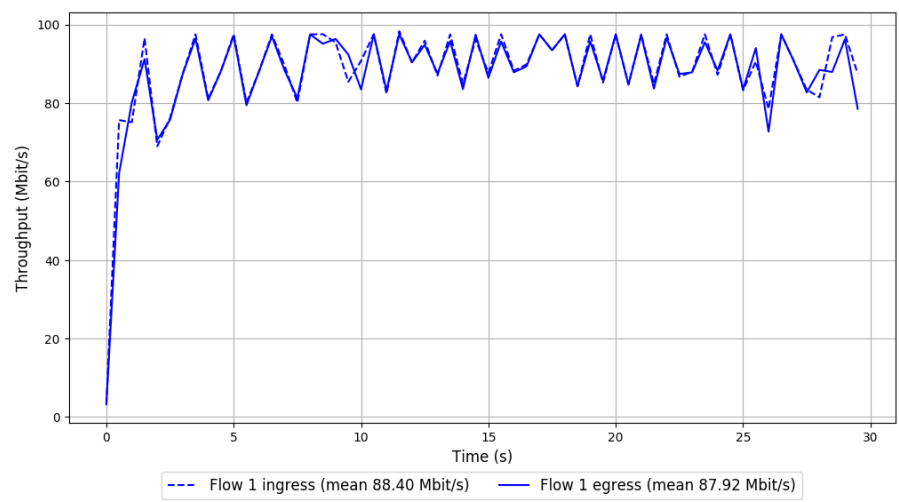


Run 6: Statistics of Verus

Start at: 2017-09-23 02:11:06  
End at: 2017-09-23 02:11:36  
Local clock offset: -8.928 ms  
Remote clock offset: -0.271 ms

# Below is generated by plot.py at 2017-09-23 06:54:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.92 Mbit/s  
95th percentile per-packet one-way delay: 45.361 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 87.92 Mbit/s  
95th percentile per-packet one-way delay: 45.361 ms  
Loss rate: 0.81%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2017-09-23 02:29:50

End at: 2017-09-23 02:30:20

Local clock offset: -7.12 ms

Remote clock offset: 1.959 ms

# Below is generated by plot.py at 2017-09-23 06:54:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.23 Mbit/s

95th percentile per-packet one-way delay: 39.408 ms

Loss rate: 0.36%

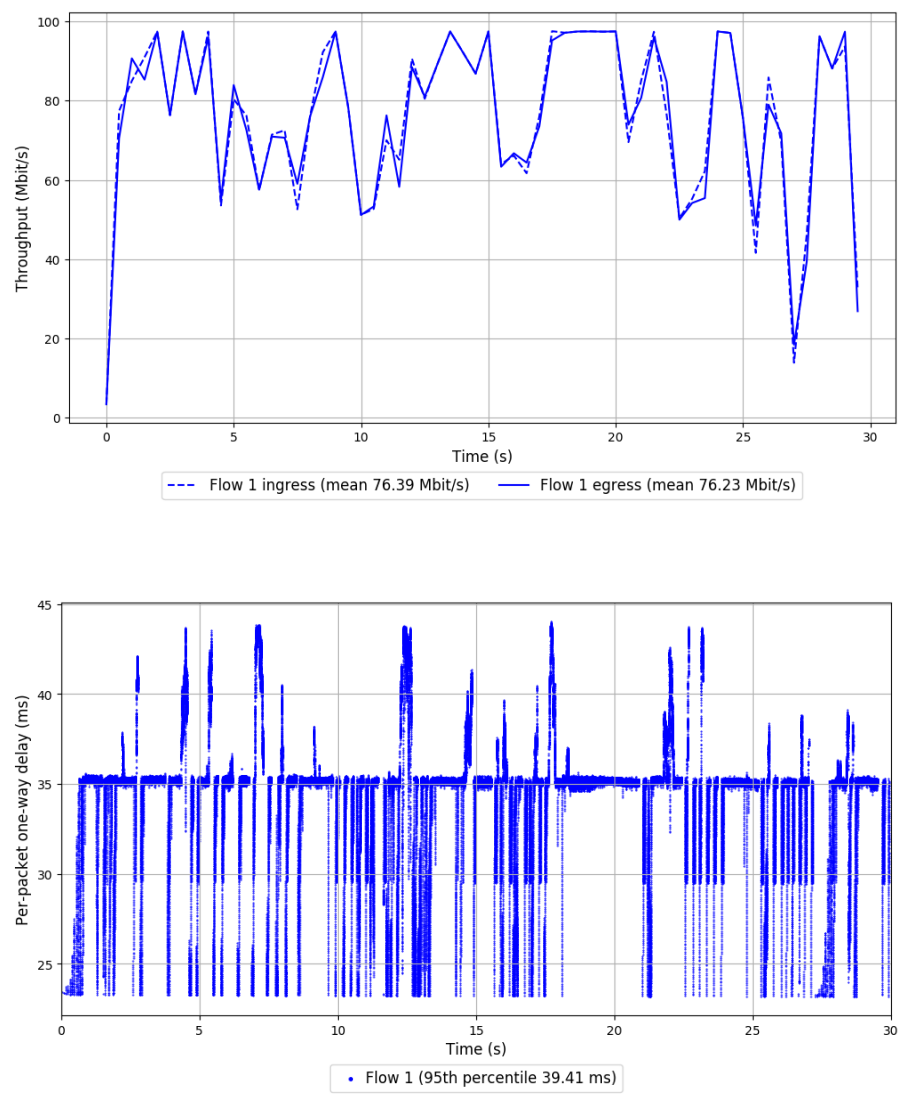
-- Flow 1:

Average throughput: 76.23 Mbit/s

95th percentile per-packet one-way delay: 39.408 ms

Loss rate: 0.36%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2017-09-23 02:48:31

End at: 2017-09-23 02:49:01

Local clock offset: -4.46 ms

Remote clock offset: 1.773 ms

# Below is generated by plot.py at 2017-09-23 06:54:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.23 Mbit/s

95th percentile per-packet one-way delay: 40.925 ms

Loss rate: 0.44%

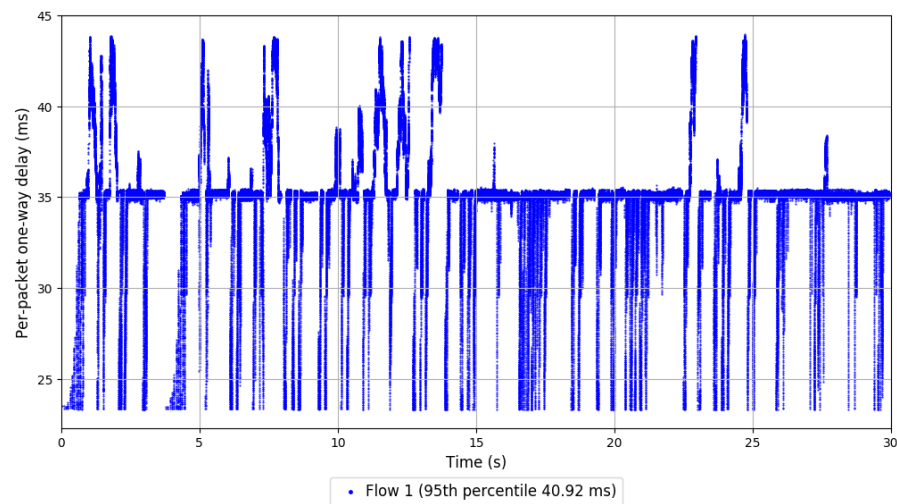
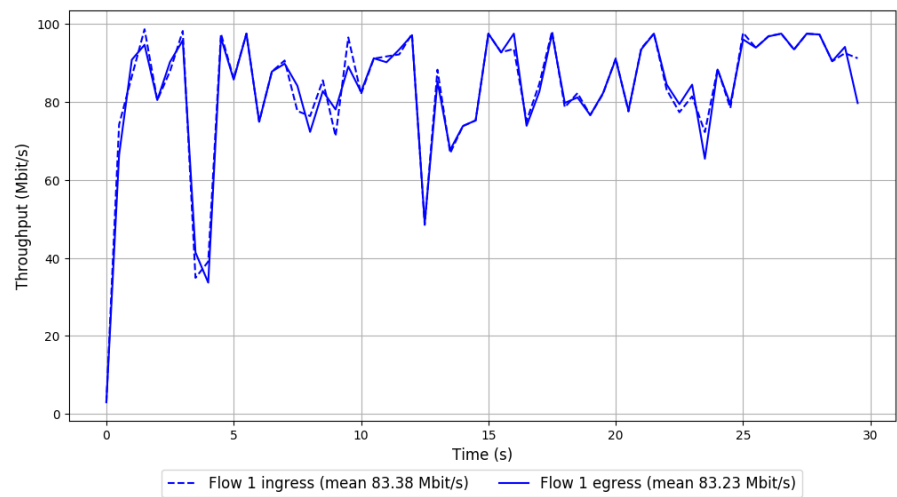
-- Flow 1:

Average throughput: 83.23 Mbit/s

95th percentile per-packet one-way delay: 40.925 ms

Loss rate: 0.44%

Run 8: Report of Verus — Data Link



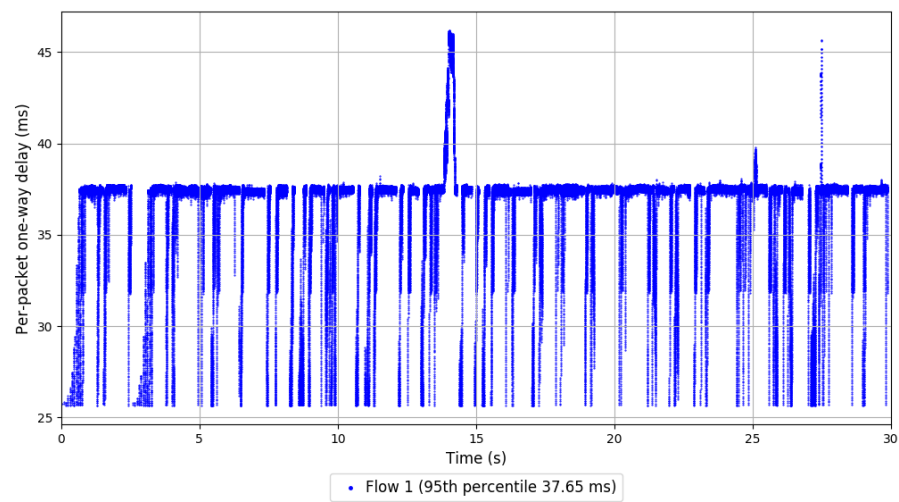
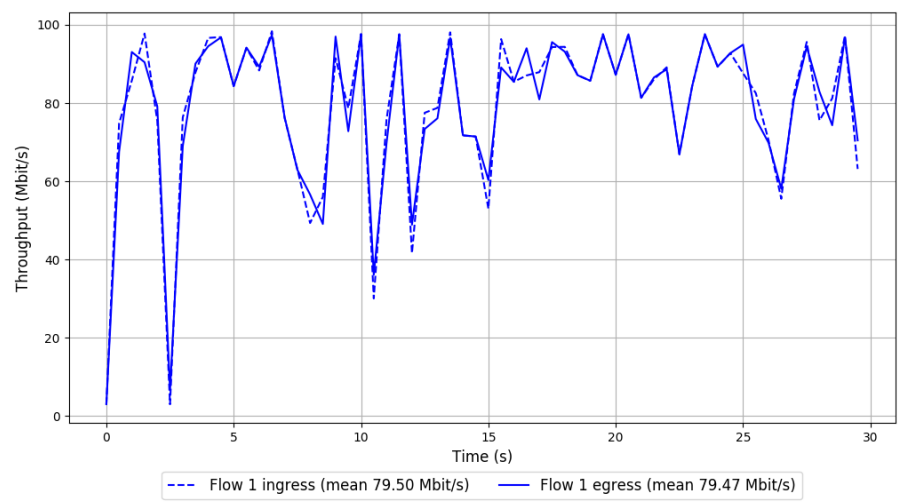
Run 9: Statistics of Verus

Start at: 2017-09-23 03:07:18  
End at: 2017-09-23 03:07:48  
Local clock offset: -4.357 ms  
Remote clock offset: -0.608 ms

# Below is generated by plot.py at 2017-09-23 06:54:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.47 Mbit/s  
95th percentile per-packet one-way delay: 37.650 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 79.47 Mbit/s  
95th percentile per-packet one-way delay: 37.650 ms  
Loss rate: 0.02%



Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-09-23 03:26:07

End at: 2017-09-23 03:26:37

Local clock offset: -2.993 ms

Remote clock offset: 1.262 ms

# Below is generated by plot.py at 2017-09-23 06:54:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.49 Mbit/s

95th percentile per-packet one-way delay: 35.554 ms

Loss rate: 0.36%

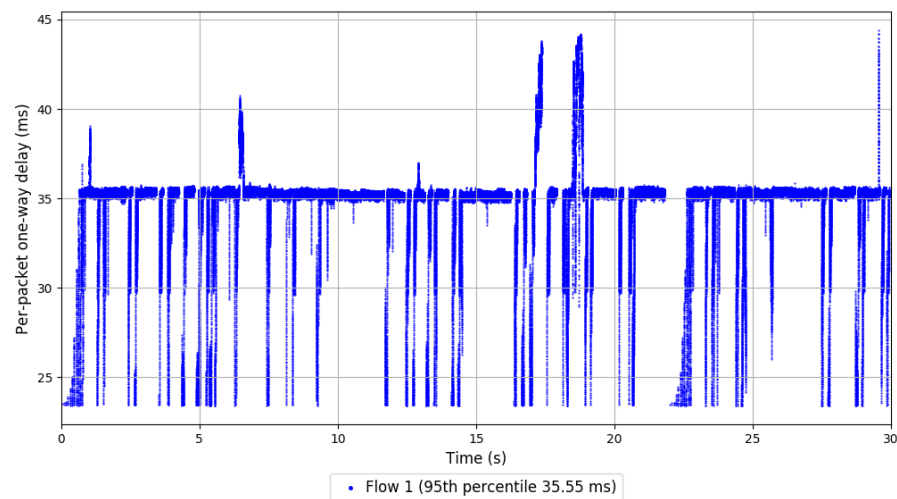
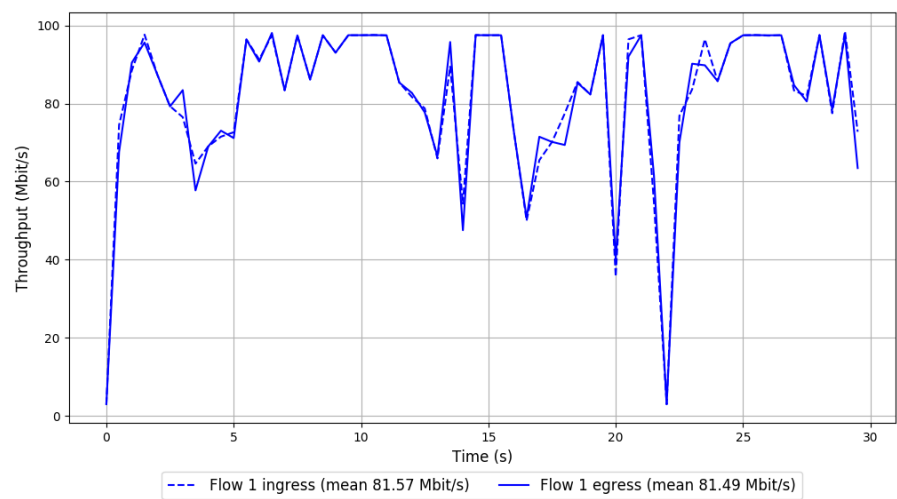
-- Flow 1:

Average throughput: 81.49 Mbit/s

95th percentile per-packet one-way delay: 35.554 ms

Loss rate: 0.36%

Run 10: Report of Verus — Data Link

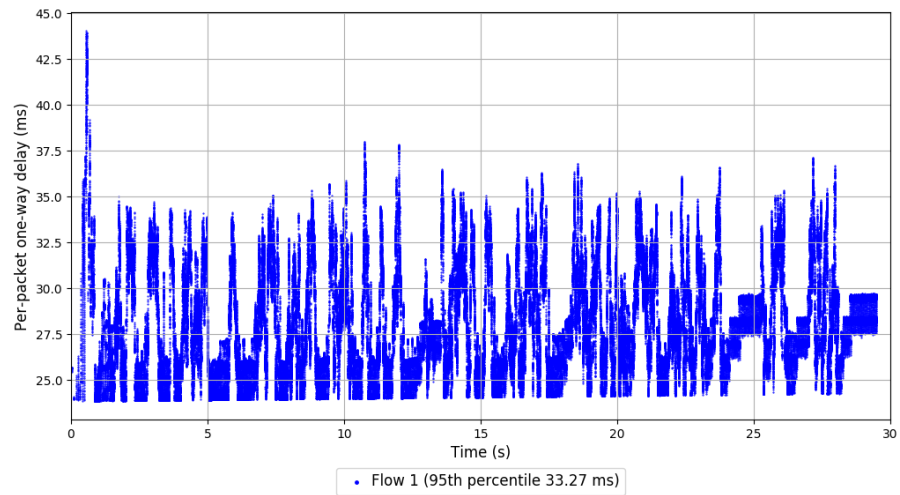
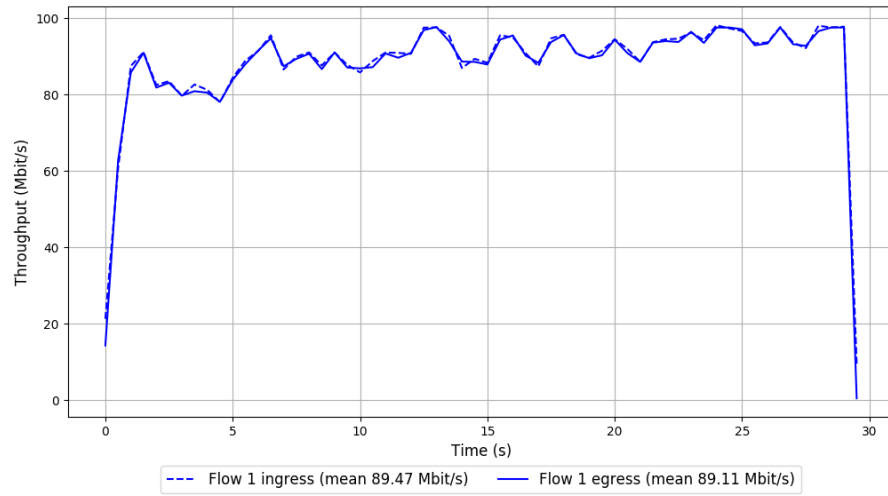


```
Run 1: Statistics of Indigo

Start at: 2017-09-23 00:25:28
End at: 2017-09-23 00:25:58
Local clock offset: -1.514 ms
Remote clock offset: 0.299 ms

# Below is generated by plot.py at 2017-09-23 06:54:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: 33.271 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: 33.271 ms
Loss rate: 0.65%
```

## Run 1: Report of Indigo — Data Link

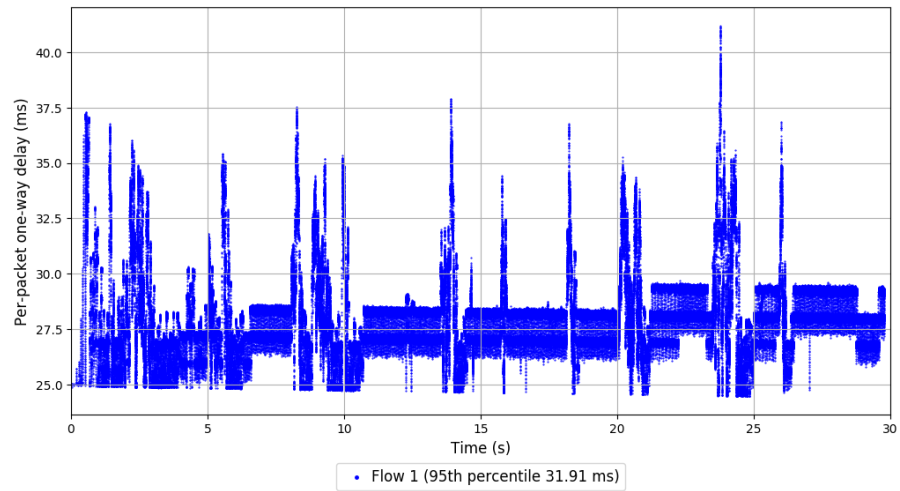
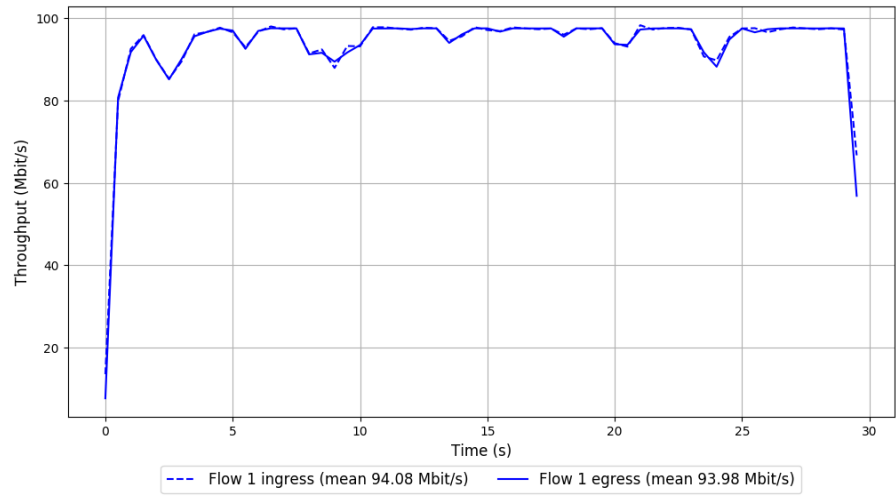


Run 2: Statistics of Indigo

Start at: 2017-09-23 00:44:09  
End at: 2017-09-23 00:44:39  
Local clock offset: -9.289 ms  
Remote clock offset: -1.527 ms

# Below is generated by plot.py at 2017-09-23 06:55:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.98 Mbit/s  
95th percentile per-packet one-way delay: 31.910 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 93.98 Mbit/s  
95th percentile per-packet one-way delay: 31.910 ms  
Loss rate: 0.35%

## Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-09-23 01:03:01

End at: 2017-09-23 01:03:31

Local clock offset: -7.019 ms

Remote clock offset: 1.234 ms

# Below is generated by plot.py at 2017-09-23 06:55:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.30 Mbit/s

95th percentile per-packet one-way delay: 31.054 ms

Loss rate: 0.38%

-- Flow 1:

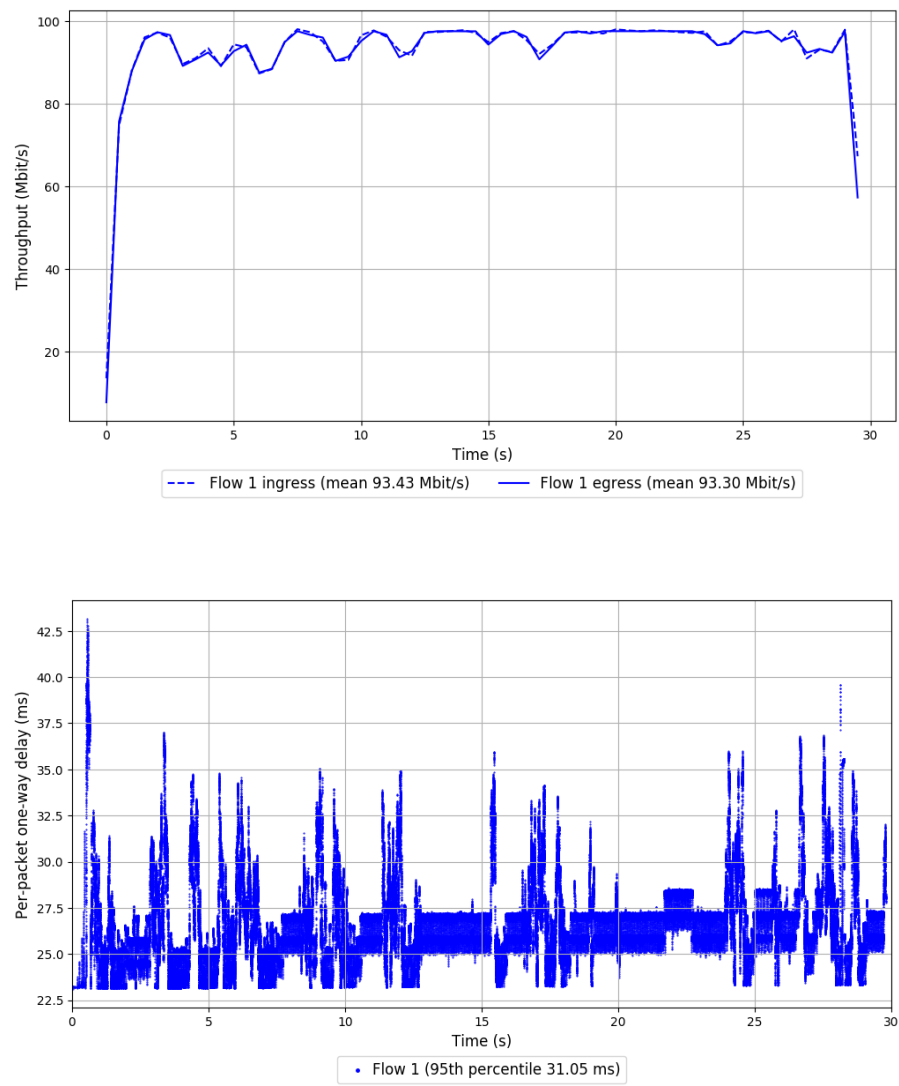
Average throughput: 93.30 Mbit/s

95th percentile per-packet one-way delay: 31.054 ms

Loss rate: 0.38%



Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2017-09-23 01:22:33

End at: 2017-09-23 01:23:03

Local clock offset: -5.031 ms

Remote clock offset: 1.514 ms

# Below is generated by plot.py at 2017-09-23 06:55:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.38 Mbit/s

95th percentile per-packet one-way delay: 32.608 ms

Loss rate: 1.15%

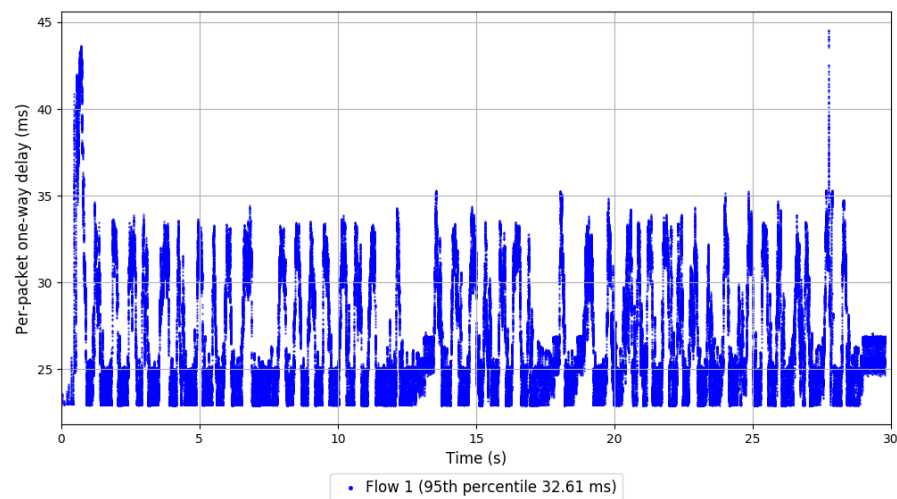
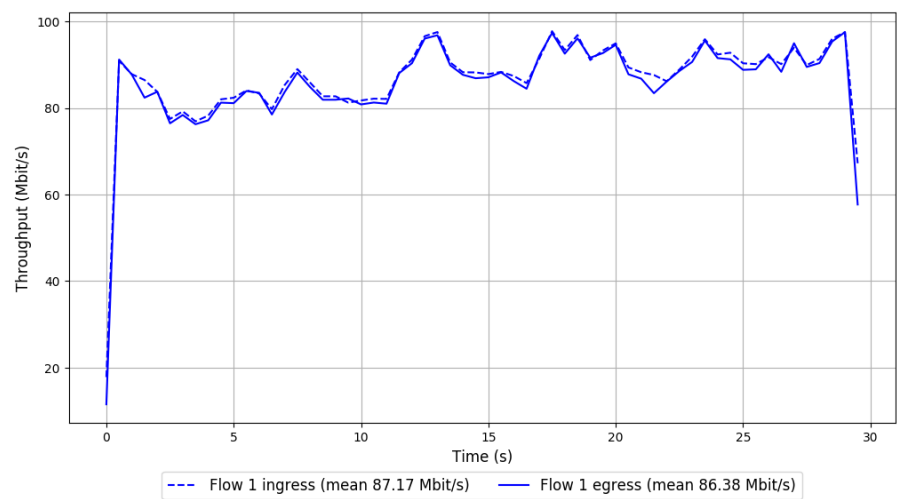
-- Flow 1:

Average throughput: 86.38 Mbit/s

95th percentile per-packet one-way delay: 32.608 ms

Loss rate: 1.15%

Run 4: Report of Indigo — Data Link

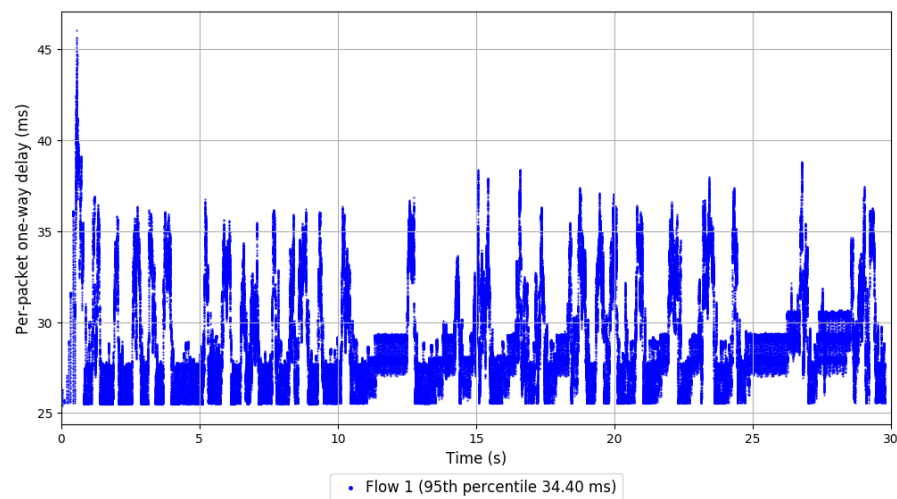
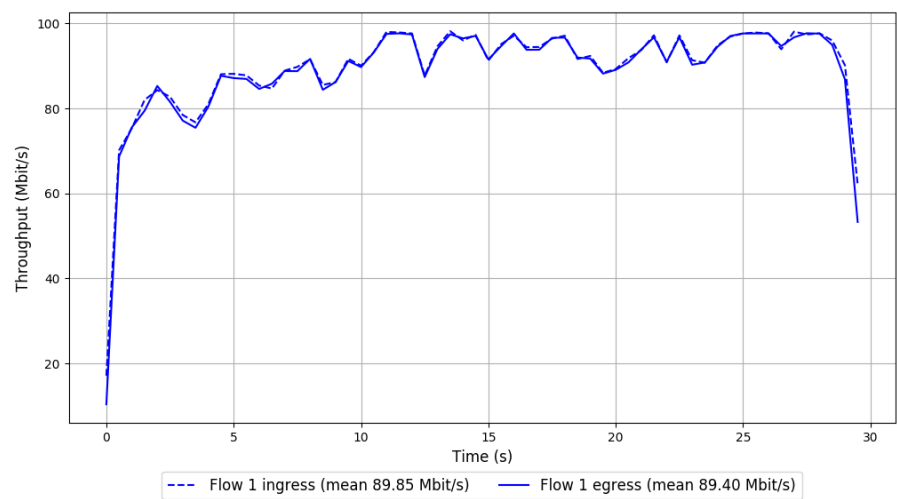


Run 5: Statistics of Indigo

Start at: 2017-09-23 01:41:36  
End at: 2017-09-23 01:42:06  
Local clock offset: -4.862 ms  
Remote clock offset: -0.629 ms

# Below is generated by plot.py at 2017-09-23 06:55:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.40 Mbit/s  
95th percentile per-packet one-way delay: 34.396 ms  
Loss rate: 0.74%  
-- Flow 1:  
Average throughput: 89.40 Mbit/s  
95th percentile per-packet one-way delay: 34.396 ms  
Loss rate: 0.74%

Run 5: Report of Indigo — Data Link

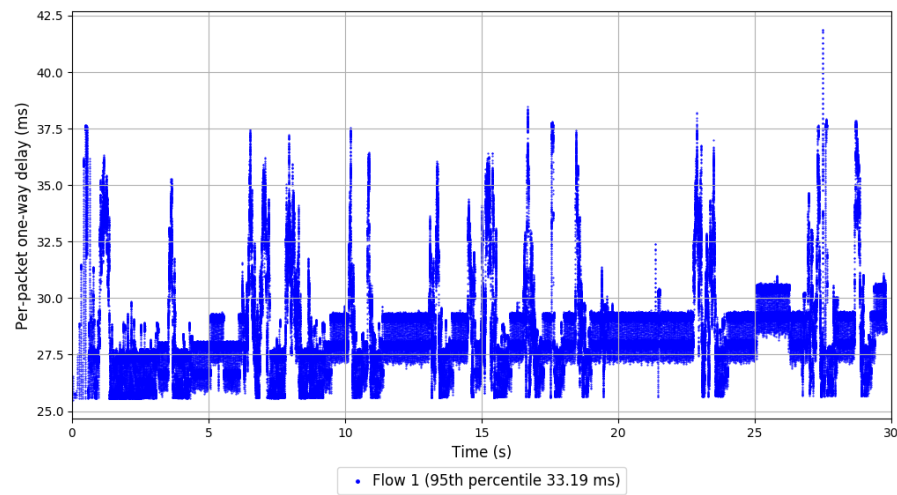
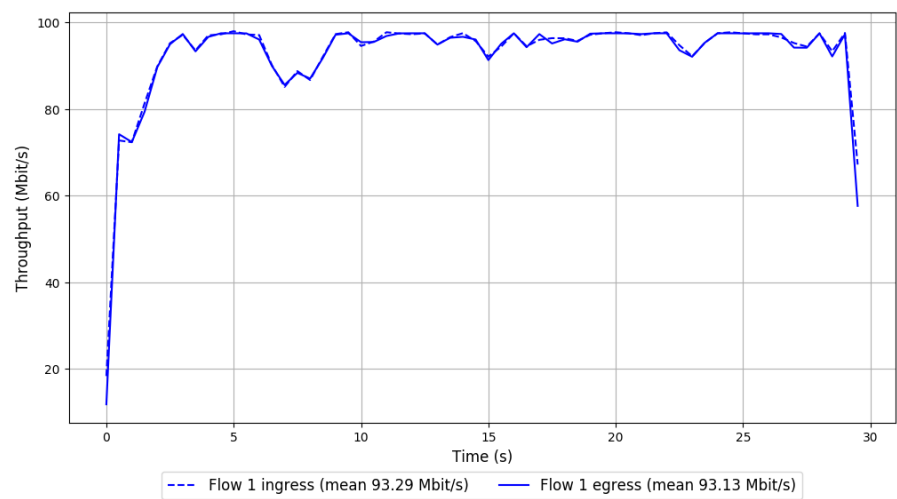


Run 6: Statistics of Indigo

Start at: 2017-09-23 02:00:27  
End at: 2017-09-23 02:00:57  
Local clock offset: -8.623 ms  
Remote clock offset: -0.235 ms

# Below is generated by plot.py at 2017-09-23 06:56:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.13 Mbit/s  
95th percentile per-packet one-way delay: 33.191 ms  
Loss rate: 0.41%  
-- Flow 1:  
Average throughput: 93.13 Mbit/s  
95th percentile per-packet one-way delay: 33.191 ms  
Loss rate: 0.41%

Run 6: Report of Indigo — Data Link



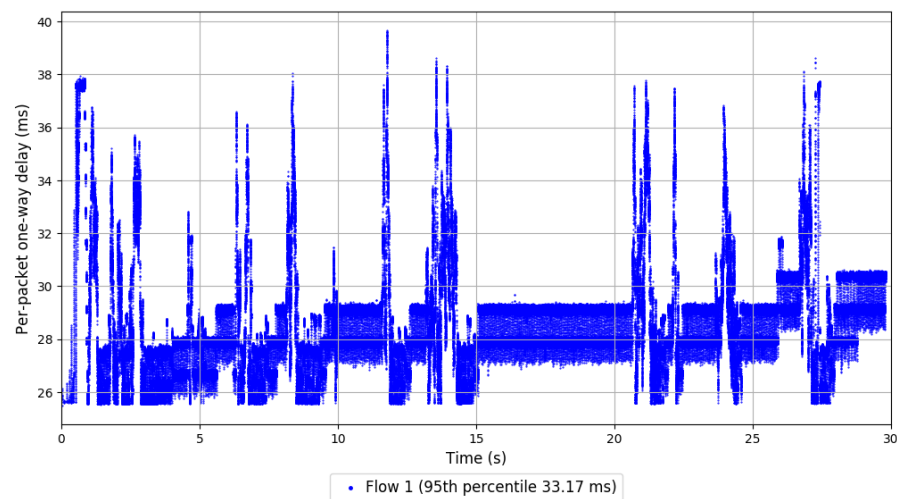
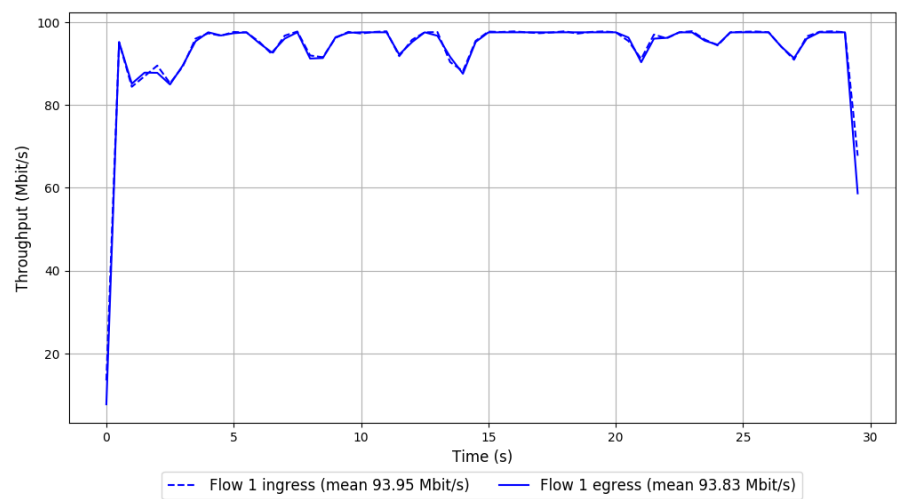
Run 7: Statistics of Indigo

Start at: 2017-09-23 02:19:15  
End at: 2017-09-23 02:19:45  
Local clock offset: -8.765 ms  
Remote clock offset: -0.199 ms

# Below is generated by plot.py at 2017-09-23 06:56:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.83 Mbit/s  
95th percentile per-packet one-way delay: 33.175 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 93.83 Mbit/s  
95th percentile per-packet one-way delay: 33.175 ms  
Loss rate: 0.37%



Run 7: Report of Indigo — Data Link

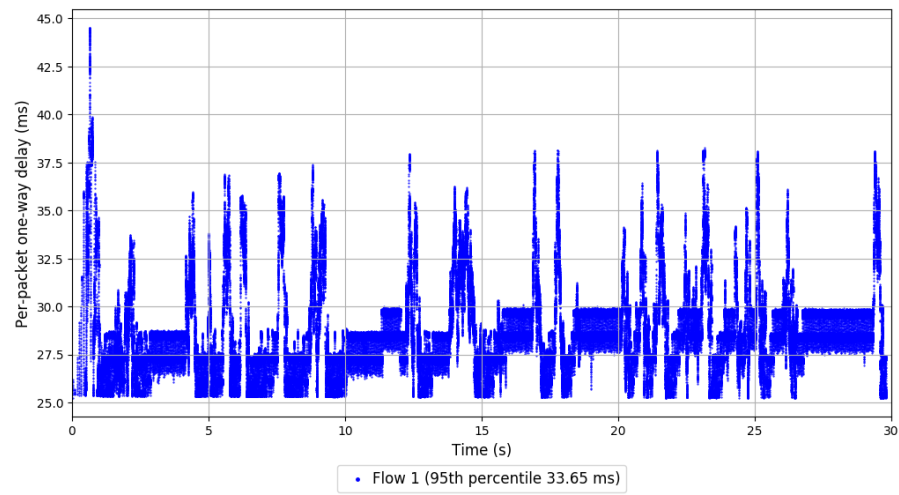
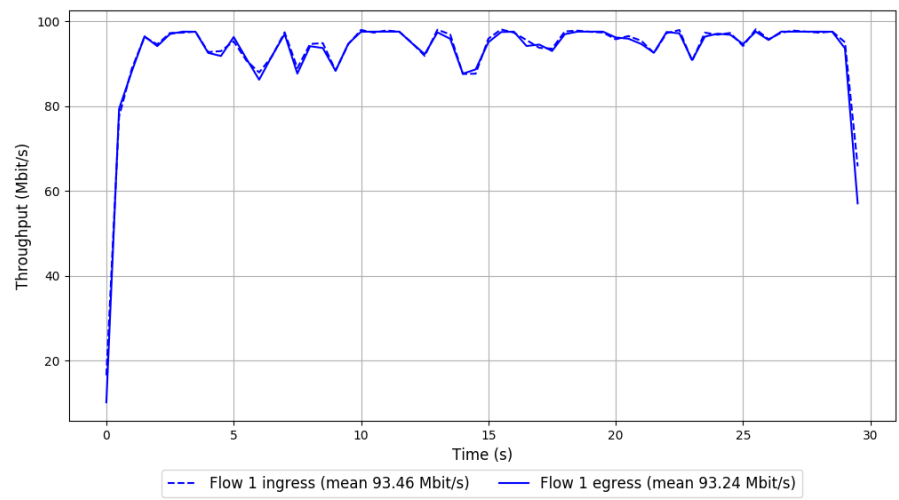


Run 8: Statistics of Indigo

Start at: 2017-09-23 02:38:00  
End at: 2017-09-23 02:38:30  
Local clock offset: -5.708 ms  
Remote clock offset: -0.242 ms

# Below is generated by plot.py at 2017-09-23 06:56:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.24 Mbit/s  
95th percentile per-packet one-way delay: 33.647 ms  
Loss rate: 0.48%  
-- Flow 1:  
Average throughput: 93.24 Mbit/s  
95th percentile per-packet one-way delay: 33.647 ms  
Loss rate: 0.48%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2017-09-23 02:56:42

End at: 2017-09-23 02:57:12

Local clock offset: -4.238 ms

Remote clock offset: 1.872 ms

# Below is generated by plot.py at 2017-09-23 06:56:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.61 Mbit/s

95th percentile per-packet one-way delay: 28.122 ms

Loss rate: 0.26%

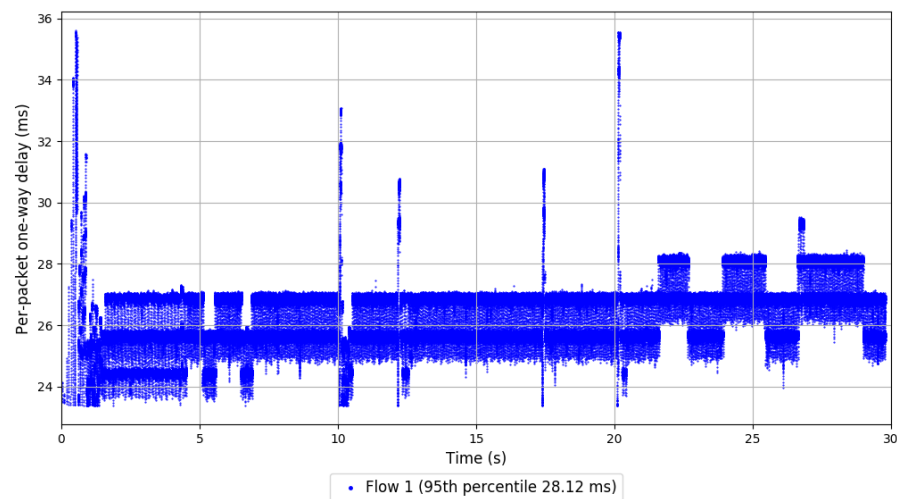
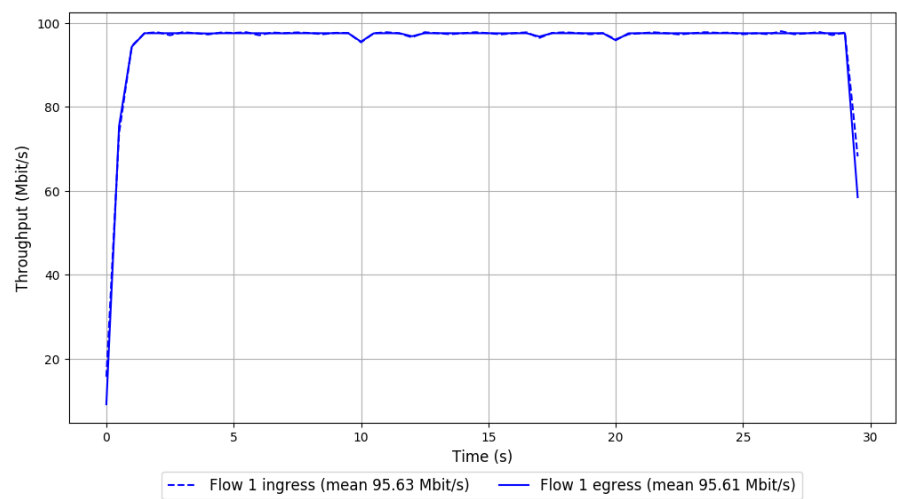
-- Flow 1:

Average throughput: 95.61 Mbit/s

95th percentile per-packet one-way delay: 28.122 ms

Loss rate: 0.26%

Run 9: Report of Indigo — Data Link

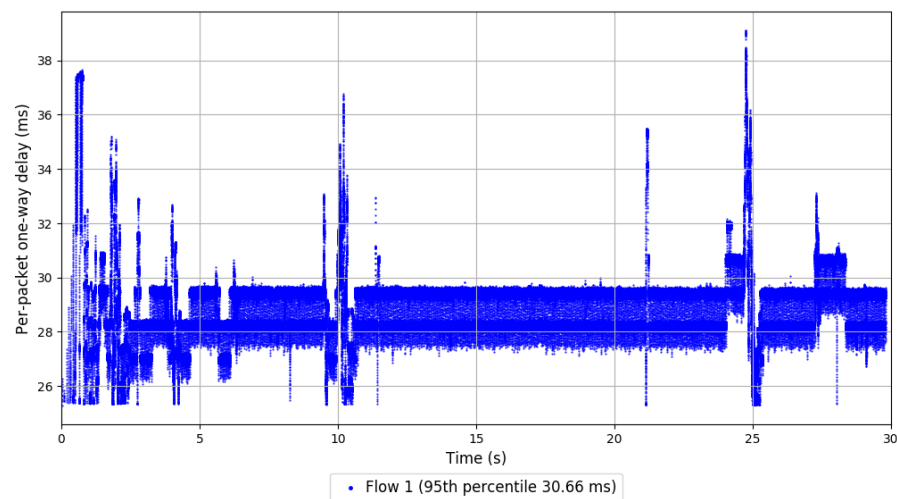
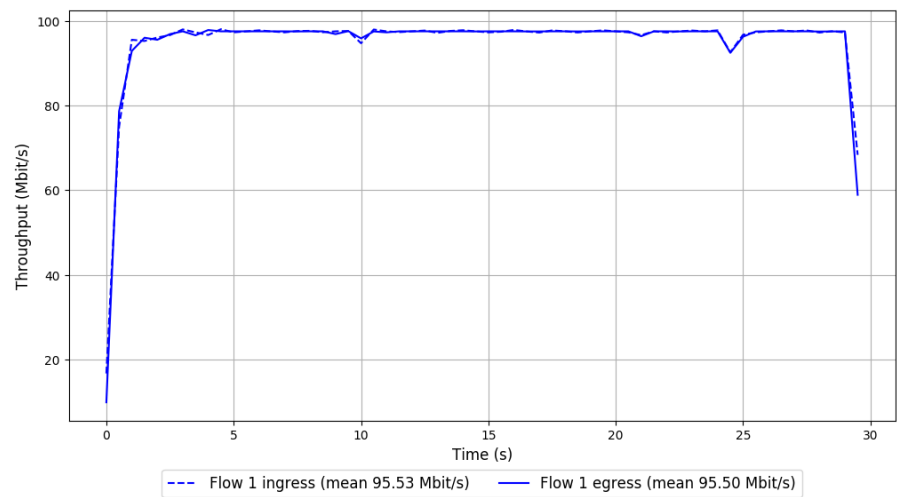


Run 10: Statistics of Indigo

Start at: 2017-09-23 03:15:31  
End at: 2017-09-23 03:16:01  
Local clock offset: -3.998 ms  
Remote clock offset: -0.724 ms

# Below is generated by plot.py at 2017-09-23 06:56:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.50 Mbit/s  
95th percentile per-packet one-way delay: 30.658 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 95.50 Mbit/s  
95th percentile per-packet one-way delay: 30.658 ms  
Loss rate: 0.28%

Run 10: Report of Indigo — Data Link



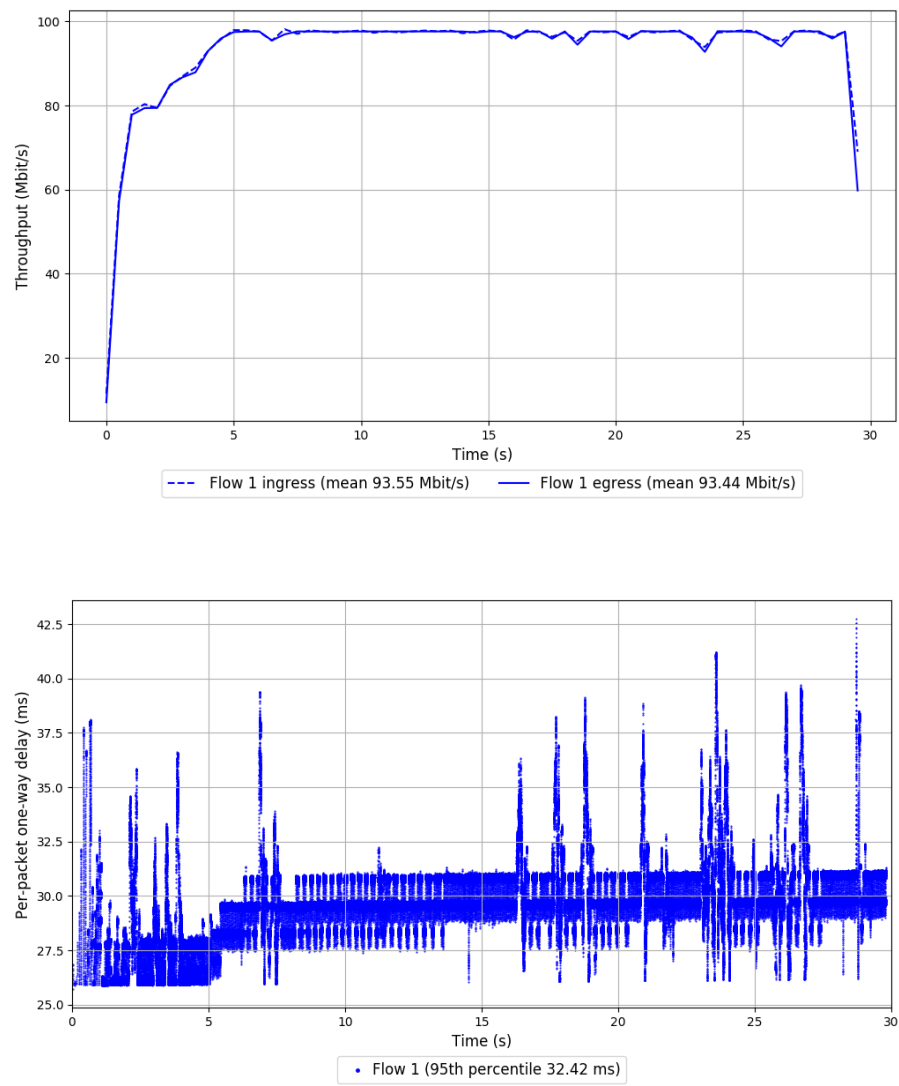
```
Run 1: Statistics of Indigo-calib

Start at: 2017-09-23 00:40:01
End at: 2017-09-23 00:40:31
Local clock offset: -8.963 ms
Remote clock offset: -1.715 ms

# Below is generated by plot.py at 2017-09-23 06:56:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 32.419 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 32.419 ms
Loss rate: 0.35%
```



Run 1: Report of Indigo-calib — Data Link

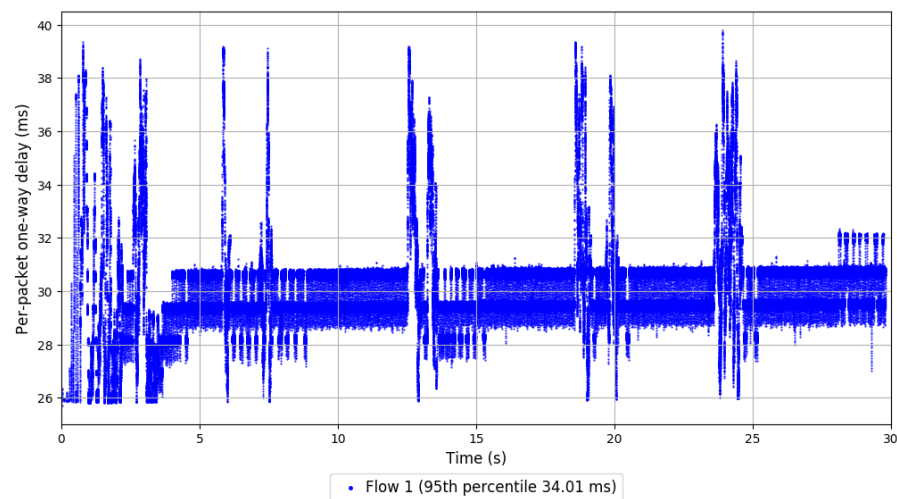
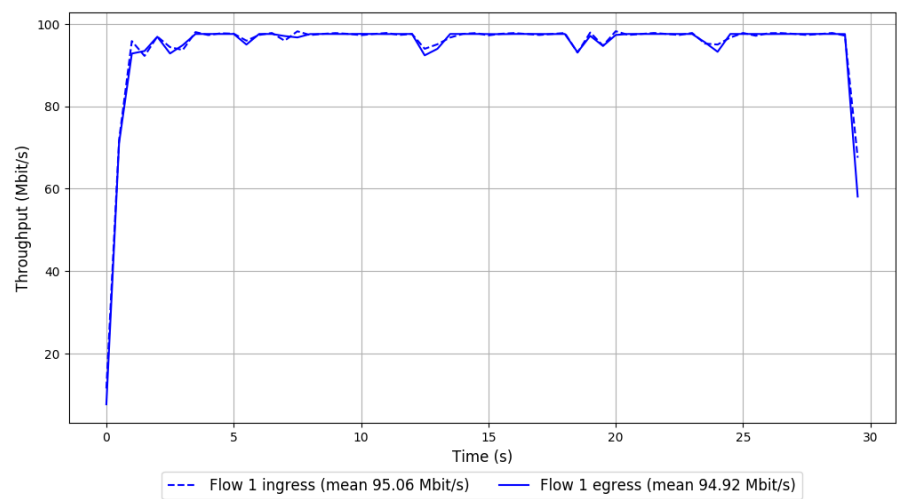


```
Run 2: Statistics of Indigo-calib

Start at: 2017-09-23 00:58:47
End at: 2017-09-23 00:59:17
Local clock offset: -5.407 ms
Remote clock offset: -1.466 ms

# Below is generated by plot.py at 2017-09-23 06:57:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 34.014 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 34.014 ms
Loss rate: 0.39%
```

Run 2: Report of Indigo-calib — Data Link

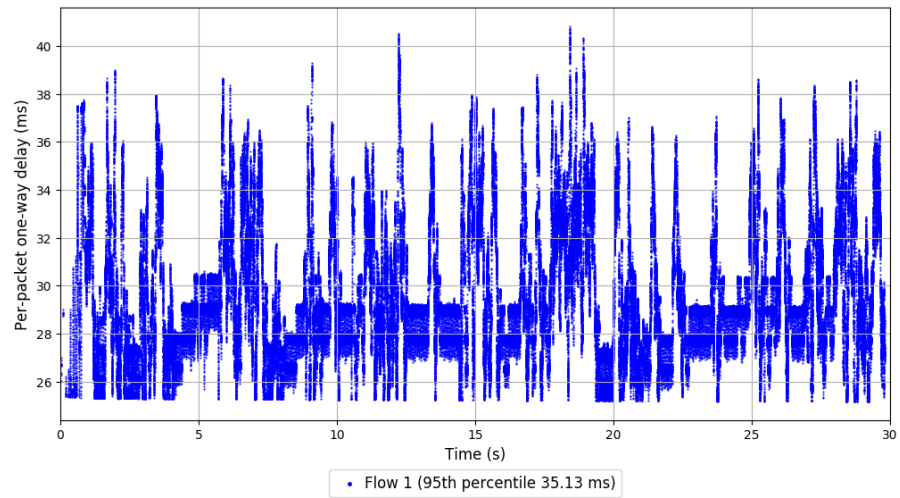
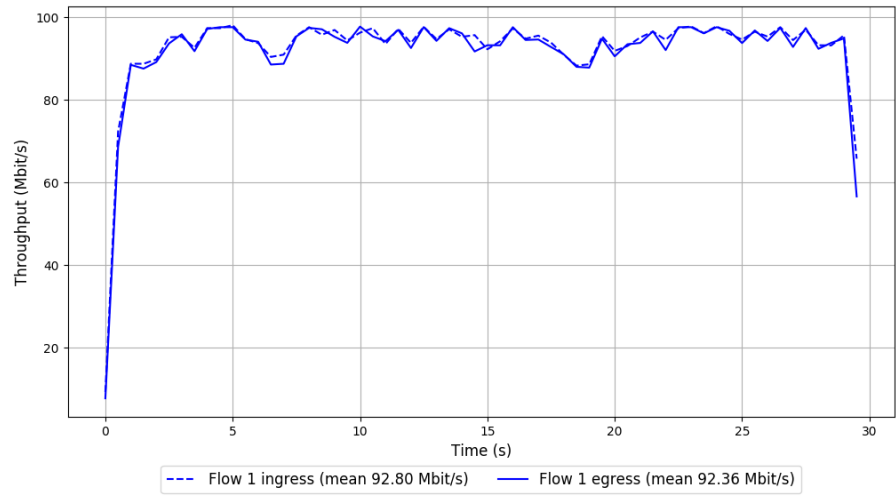


Run 3: Statistics of Indigo-calib

Start at: 2017-09-23 01:17:58  
End at: 2017-09-23 01:18:28  
Local clock offset: -6.089 ms  
Remote clock offset: -1.104 ms

# Below is generated by plot.py at 2017-09-23 06:57:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.36 Mbit/s  
95th percentile per-packet one-way delay: 35.132 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 92.36 Mbit/s  
95th percentile per-packet one-way delay: 35.132 ms  
Loss rate: 0.72%

### Run 3: Report of Indigo-calib — Data Link

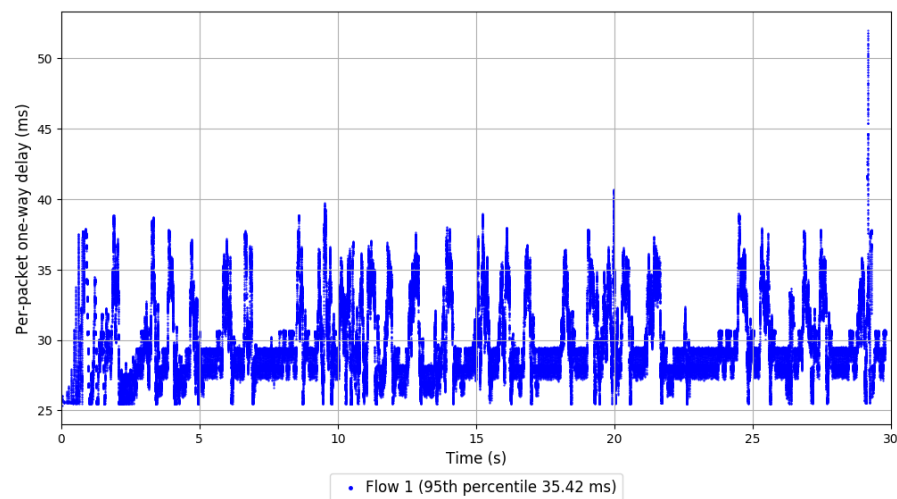
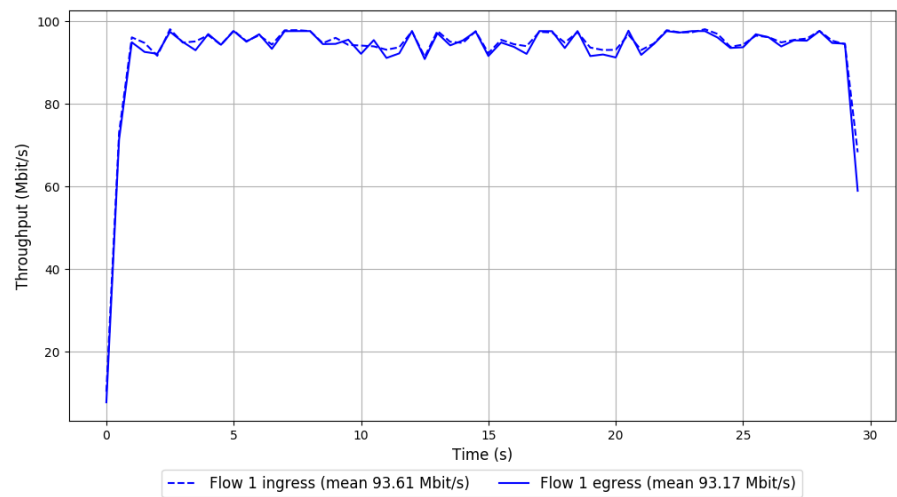


Run 4: Statistics of Indigo-calib

Start at: 2017-09-23 01:37:17  
End at: 2017-09-23 01:37:47  
Local clock offset: -4.567 ms  
Remote clock offset: -0.678 ms

# Below is generated by plot.py at 2017-09-23 06:57:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.17 Mbit/s  
95th percentile per-packet one-way delay: 35.421 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 93.17 Mbit/s  
95th percentile per-packet one-way delay: 35.421 ms  
Loss rate: 0.71%

Run 4: Report of Indigo-calib — Data Link



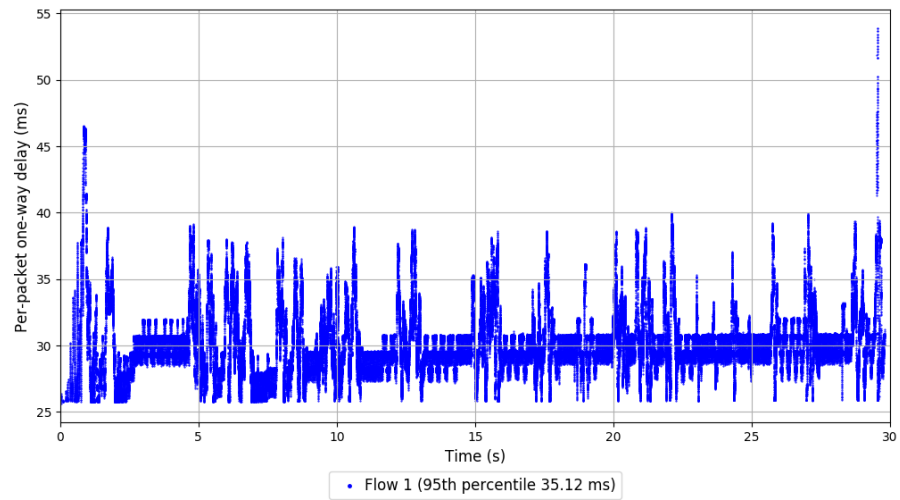
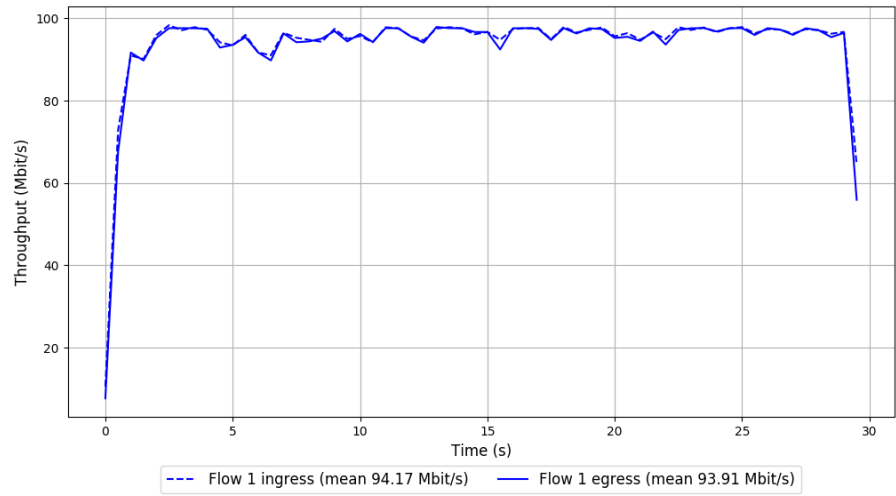
Run 5: Statistics of Indigo-calib

Start at: 2017-09-23 01:56:19  
End at: 2017-09-23 01:56:49  
Local clock offset: -7.536 ms  
Remote clock offset: -0.356 ms

# Below is generated by plot.py at 2017-09-23 06:57:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.91 Mbit/s  
95th percentile per-packet one-way delay: 35.123 ms  
Loss rate: 0.52%  
-- Flow 1:  
Average throughput: 93.91 Mbit/s  
95th percentile per-packet one-way delay: 35.123 ms  
Loss rate: 0.52%



### Run 5: Report of Indigo-calib — Data Link



Run 6: Statistics of Indigo-calib

Start at: 2017-09-23 02:15:09

End at: 2017-09-23 02:15:39

Local clock offset: -8.851 ms

Remote clock offset: 1.782 ms

# Below is generated by plot.py at 2017-09-23 06:57:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.45 Mbit/s

95th percentile per-packet one-way delay: 31.946 ms

Loss rate: 0.65%

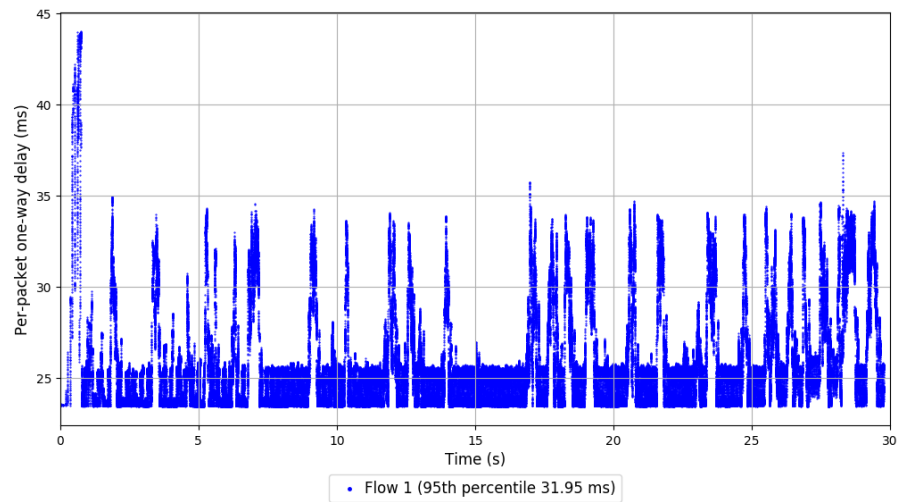
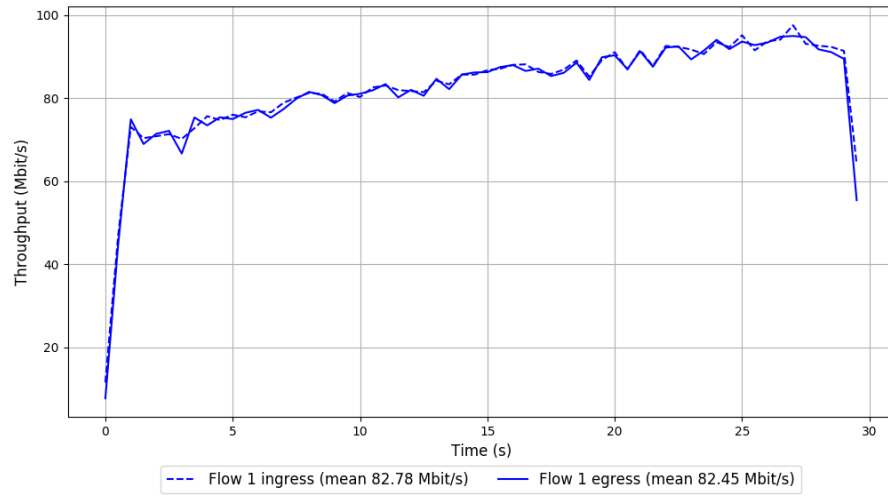
-- Flow 1:

Average throughput: 82.45 Mbit/s

95th percentile per-packet one-way delay: 31.946 ms

Loss rate: 0.65%

## Run 6: Report of Indigo-calib — Data Link

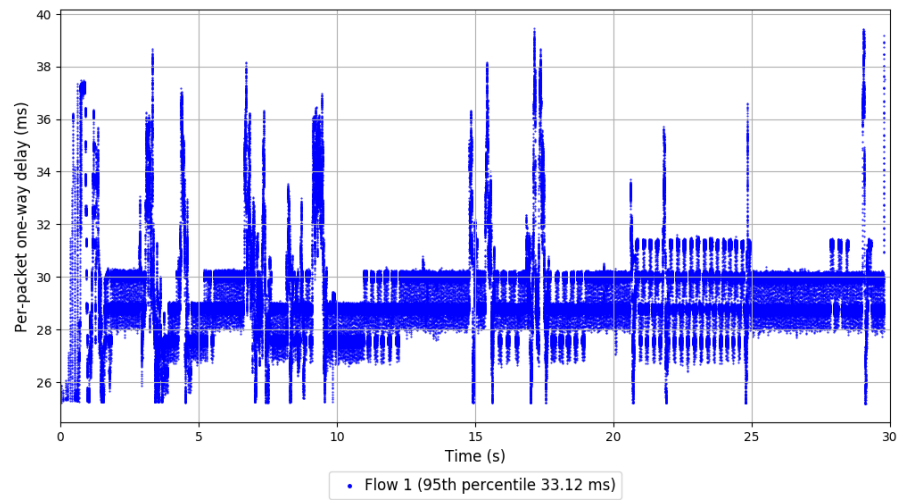
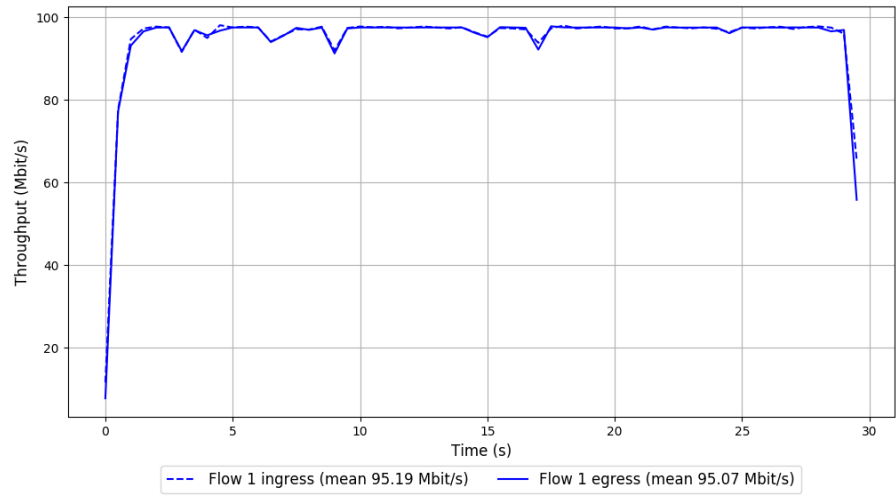


Run 7: Statistics of Indigo-calib

Start at: 2017-09-23 02:33:50  
End at: 2017-09-23 02:34:20  
Local clock offset: -6.463 ms  
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2017-09-23 06:57:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.07 Mbit/s  
95th percentile per-packet one-way delay: 33.117 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 95.07 Mbit/s  
95th percentile per-packet one-way delay: 33.117 ms  
Loss rate: 0.35%

## Run 7: Report of Indigo-calib — Data Link



Run 8: Statistics of Indigo-calib

Start at: 2017-09-23 02:52:35

End at: 2017-09-23 02:53:05

Local clock offset: -4.322 ms

Remote clock offset: 2.283 ms

# Below is generated by plot.py at 2017-09-23 06:58:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 28.235 ms

Loss rate: 0.27%

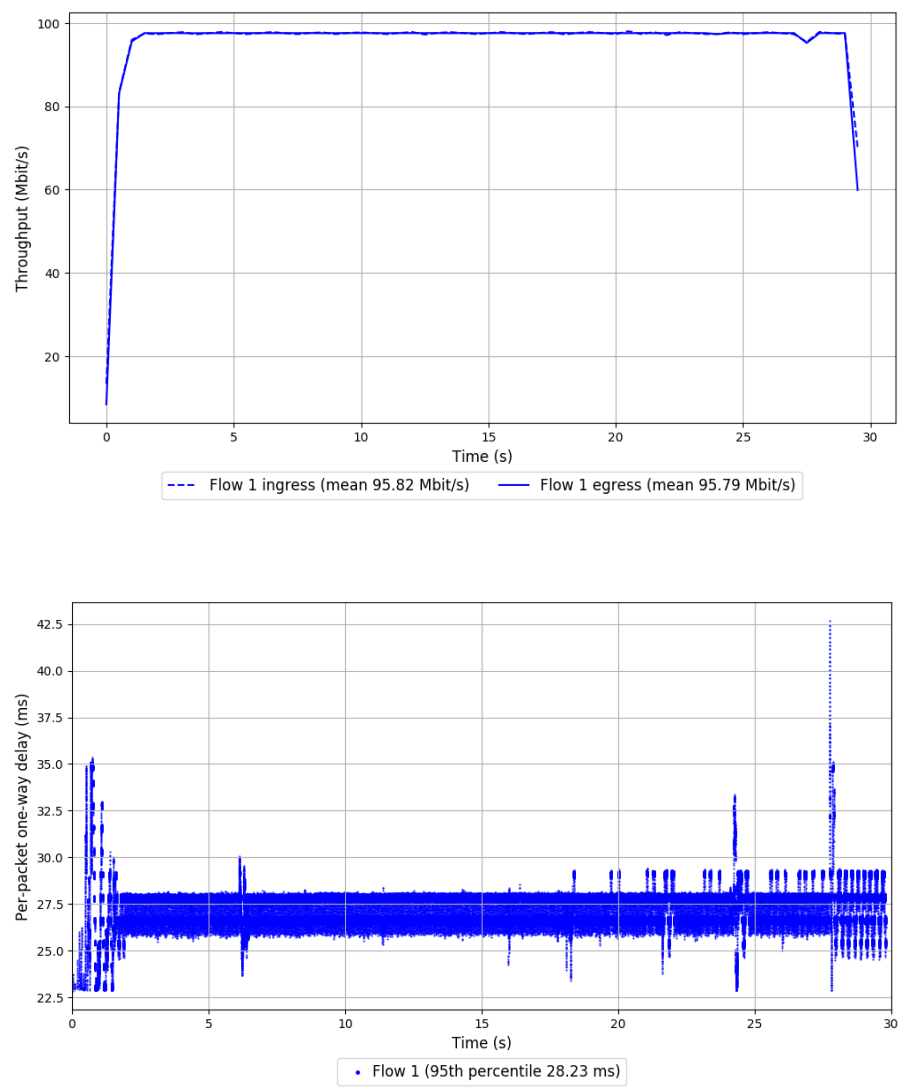
-- Flow 1:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 28.235 ms

Loss rate: 0.27%

Run 8: Report of Indigo-calib — Data Link



Run 9: Statistics of Indigo-calib

Start at: 2017-09-23 03:11:23

End at: 2017-09-23 03:11:53

Local clock offset: -4.625 ms

Remote clock offset: 1.514 ms

# Below is generated by plot.py at 2017-09-23 06:58:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 29.161 ms

Loss rate: 0.29%

-- Flow 1:

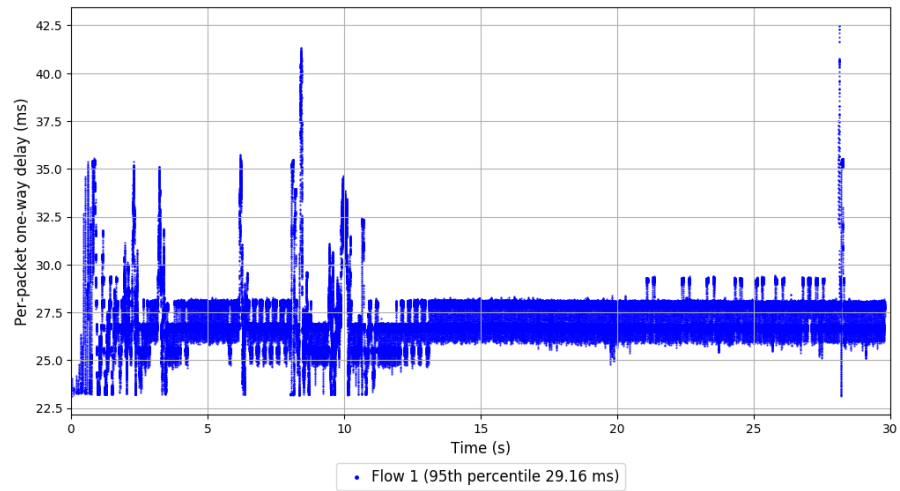
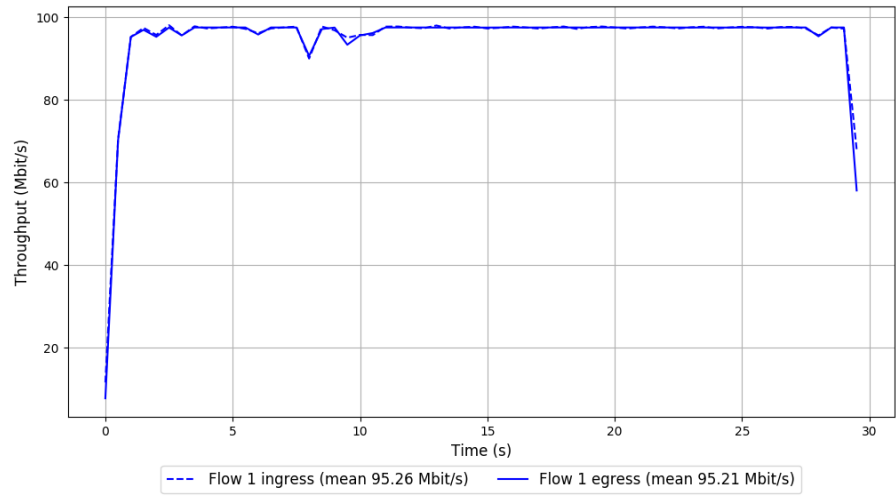
Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 29.161 ms

Loss rate: 0.29%



### Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-09-23 03:30:09

End at: 2017-09-23 03:30:39

Local clock offset: -2.793 ms

Remote clock offset: 1.741 ms

# Below is generated by plot.py at 2017-09-23 06:58:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.50 Mbit/s

95th percentile per-packet one-way delay: 28.369 ms

Loss rate: 0.28%

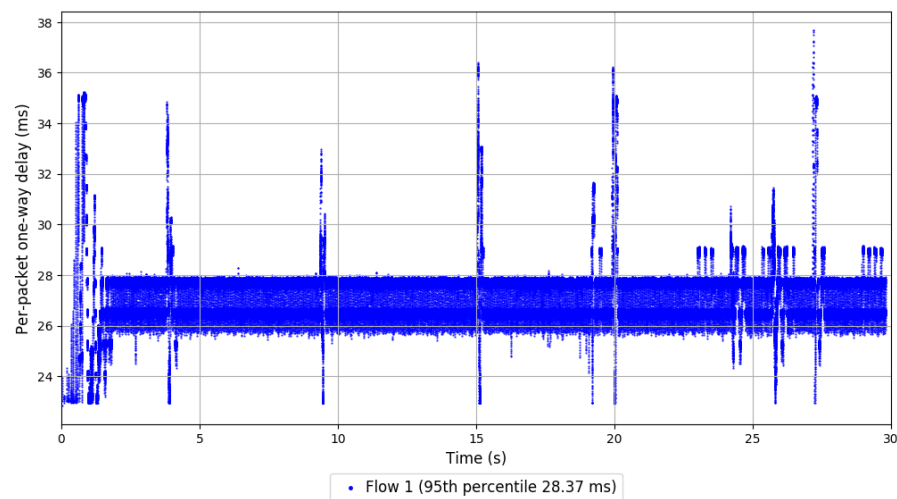
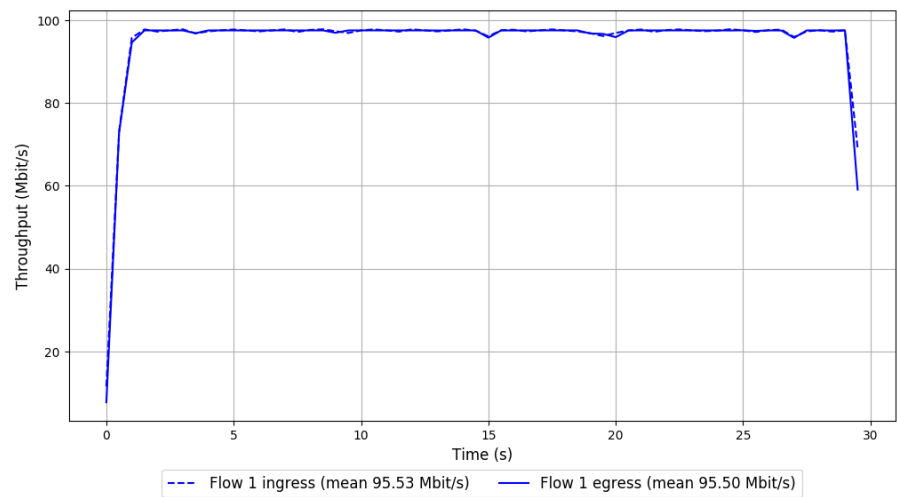
-- Flow 1:

Average throughput: 95.50 Mbit/s

95th percentile per-packet one-way delay: 28.369 ms

Loss rate: 0.28%

Run 10: Report of Indigo-calib — Data Link

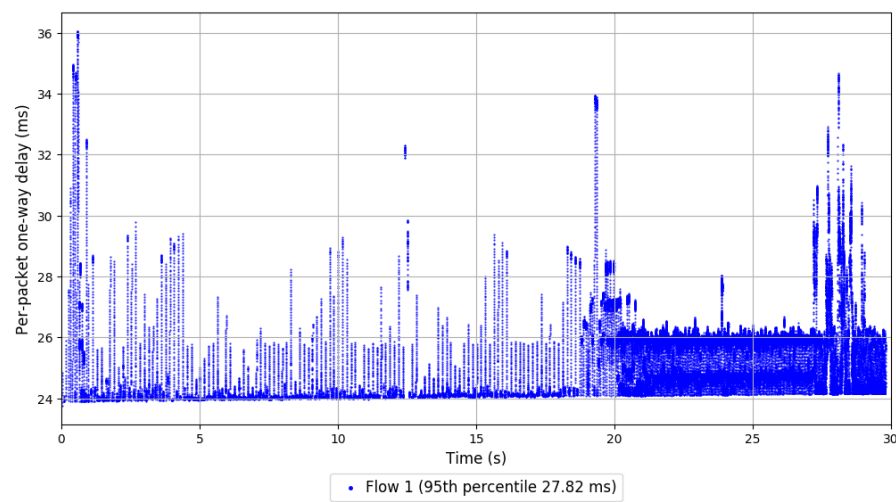
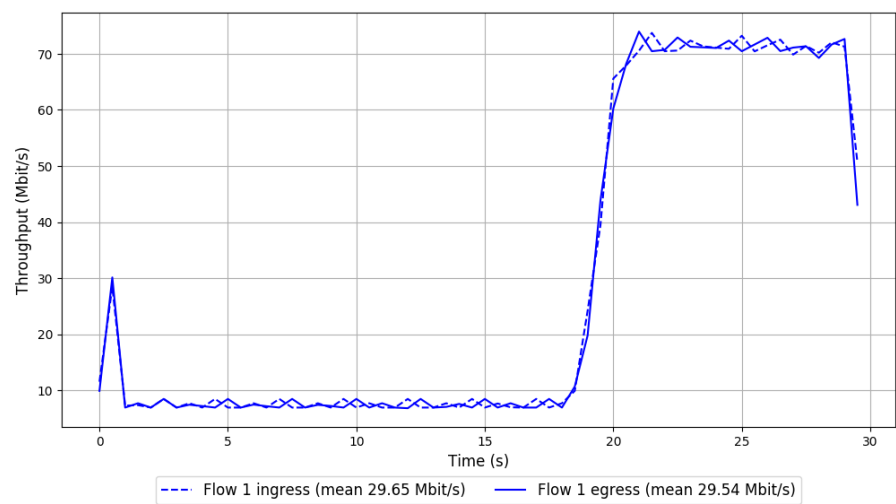


```
Run 1: Statistics of Indigo-delay

Start at: 2017-09-23 00:38:42
End at: 2017-09-23 00:39:12
Local clock offset: -8.135 ms
Remote clock offset: 0.336 ms

# Below is generated by plot.py at 2017-09-23 06:58:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.54 Mbit/s
95th percentile per-packet one-way delay: 27.825 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 29.54 Mbit/s
95th percentile per-packet one-way delay: 27.825 ms
Loss rate: 0.62%
```

Run 1: Report of Indigo-delay — Data Link

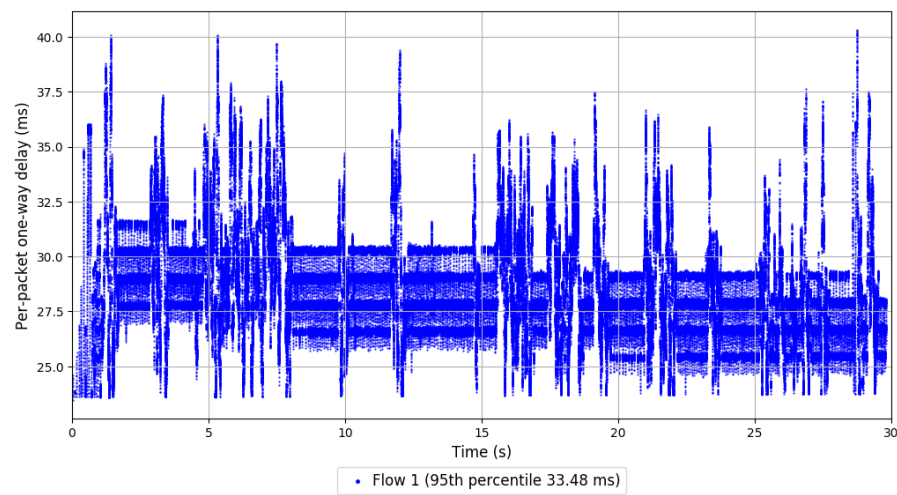
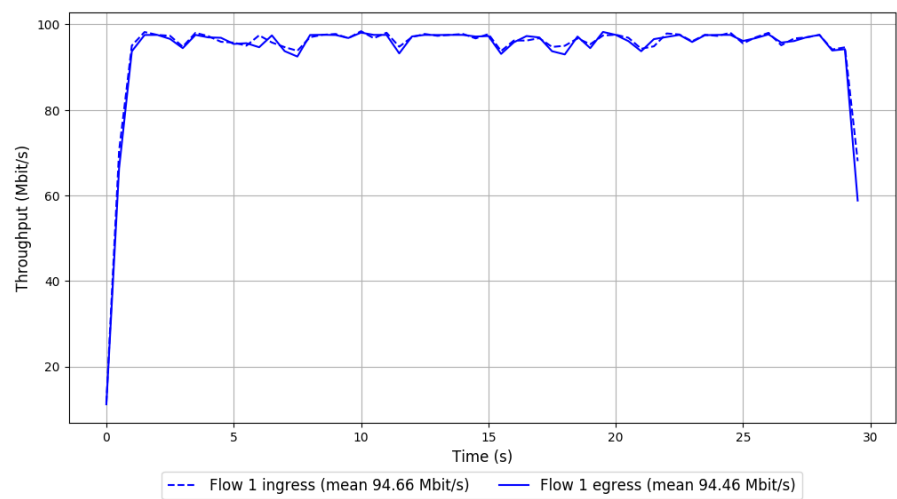


```
Run 2: Statistics of Indigo-delay

Start at: 2017-09-23 00:57:22
End at: 2017-09-23 00:57:52
Local clock offset: -4.941 ms
Remote clock offset: 0.722 ms

# Below is generated by plot.py at 2017-09-23 06:58:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 33.483 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 33.483 ms
Loss rate: 0.45%
```

Run 2: Report of Indigo-delay — Data Link



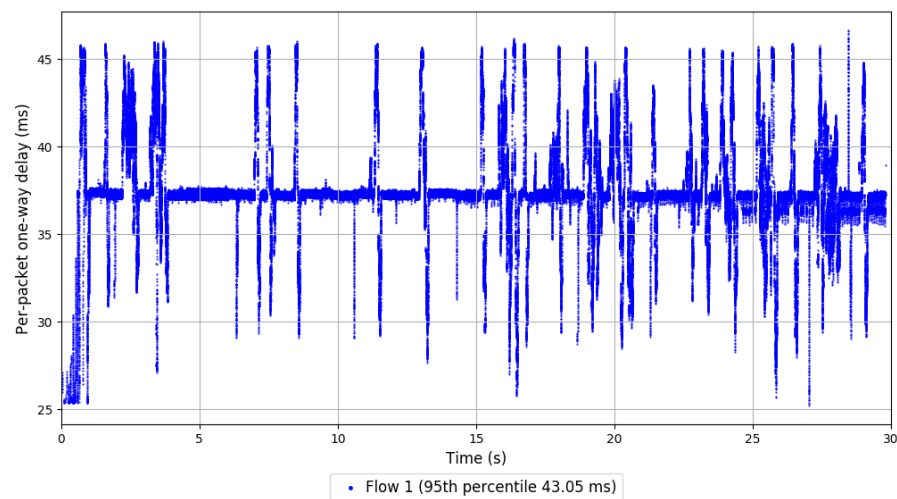
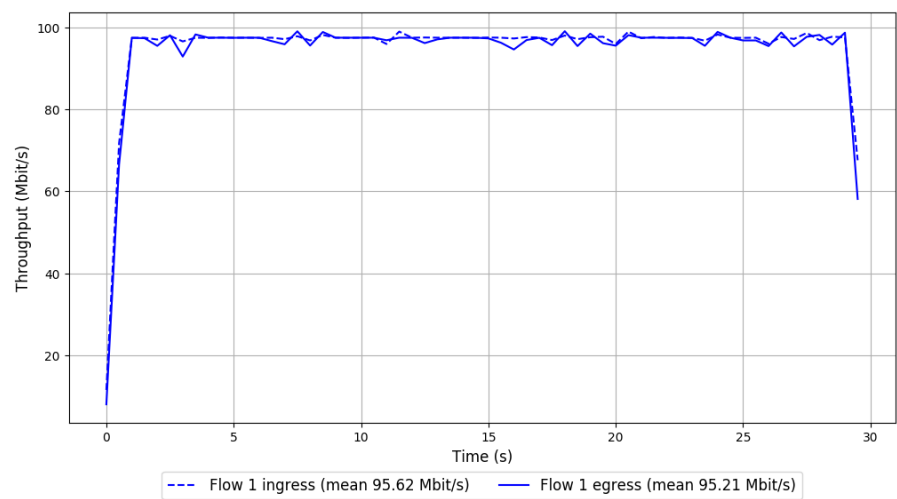
Run 3: Statistics of Indigo-delay

Start at: 2017-09-23 01:16:29  
End at: 2017-09-23 01:16:59  
Local clock offset: -6.66 ms  
Remote clock offset: -1.147 ms

# Below is generated by plot.py at 2017-09-23 06:58:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.21 Mbit/s  
95th percentile per-packet one-way delay: 43.049 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 95.21 Mbit/s  
95th percentile per-packet one-way delay: 43.049 ms  
Loss rate: 0.68%



Run 3: Report of Indigo-delay — Data Link



Run 4: Statistics of Indigo-delay

Start at: 2017-09-23 01:35:48

End at: 2017-09-23 01:36:18

Local clock offset: -4.562 ms

Remote clock offset: 1.85 ms

# Below is generated by plot.py at 2017-09-23 06:58:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.14 Mbit/s

95th percentile per-packet one-way delay: 43.289 ms

Loss rate: 1.08%

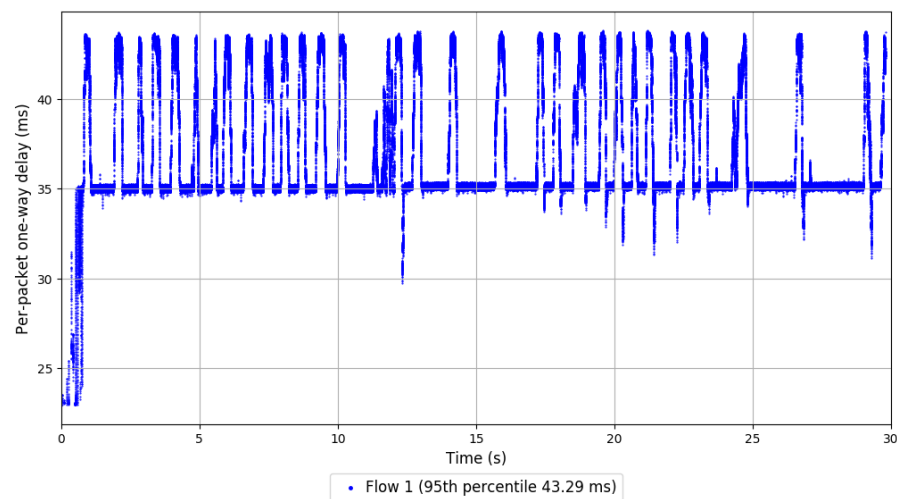
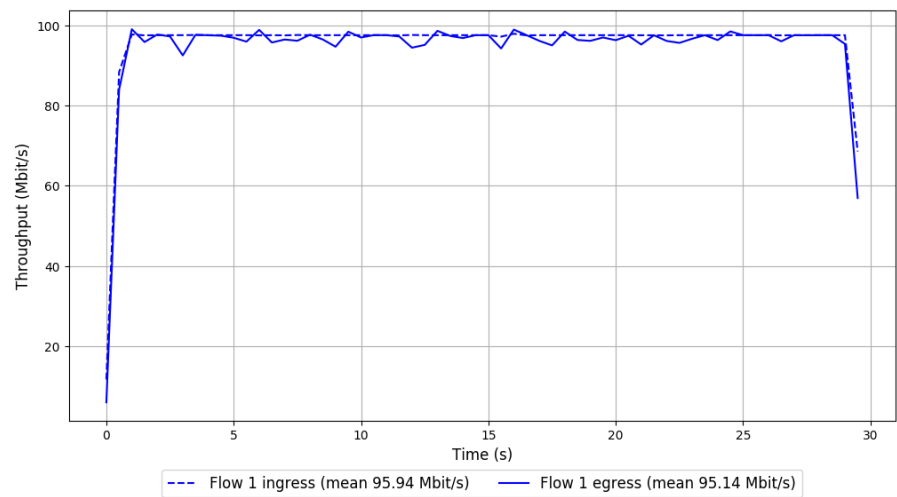
-- Flow 1:

Average throughput: 95.14 Mbit/s

95th percentile per-packet one-way delay: 43.289 ms

Loss rate: 1.08%

Run 4: Report of Indigo-delay — Data Link



Run 5: Statistics of Indigo-delay

Start at: 2017-09-23 01:55:00

End at: 2017-09-23 01:55:30

Local clock offset: -7.338 ms

Remote clock offset: 1.684 ms

# Below is generated by plot.py at 2017-09-23 06:58:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.07 Mbit/s

95th percentile per-packet one-way delay: 30.845 ms

Loss rate: 0.60%

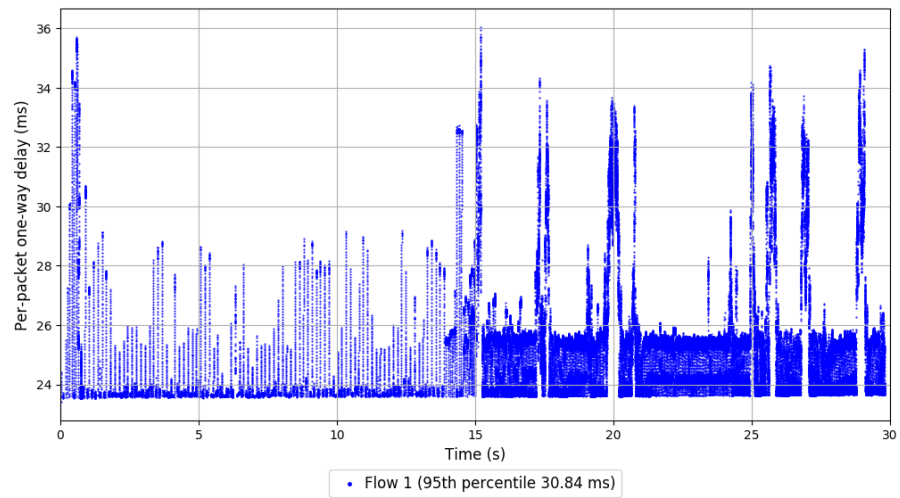
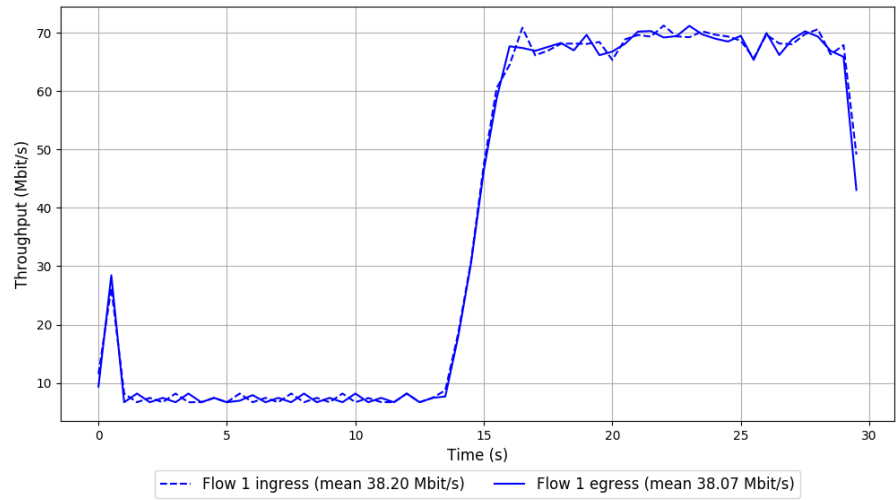
-- Flow 1:

Average throughput: 38.07 Mbit/s

95th percentile per-packet one-way delay: 30.845 ms

Loss rate: 0.60%

### Run 5: Report of Indigo-delay — Data Link

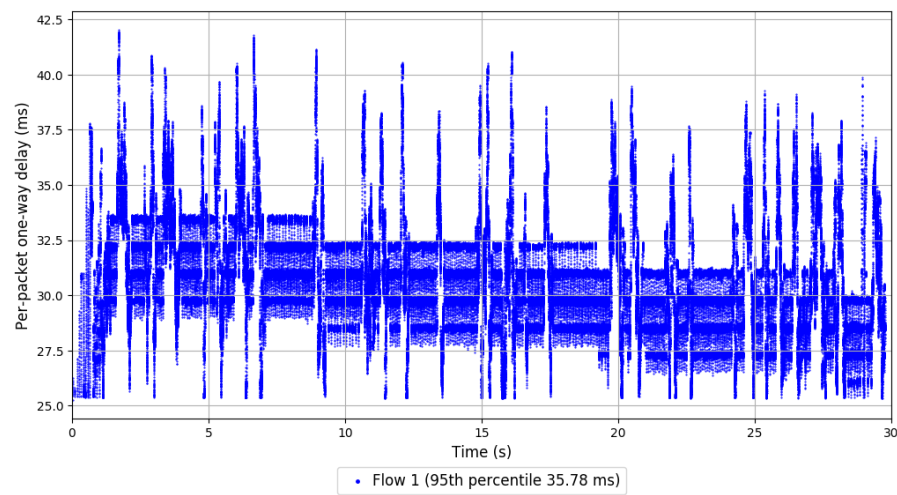
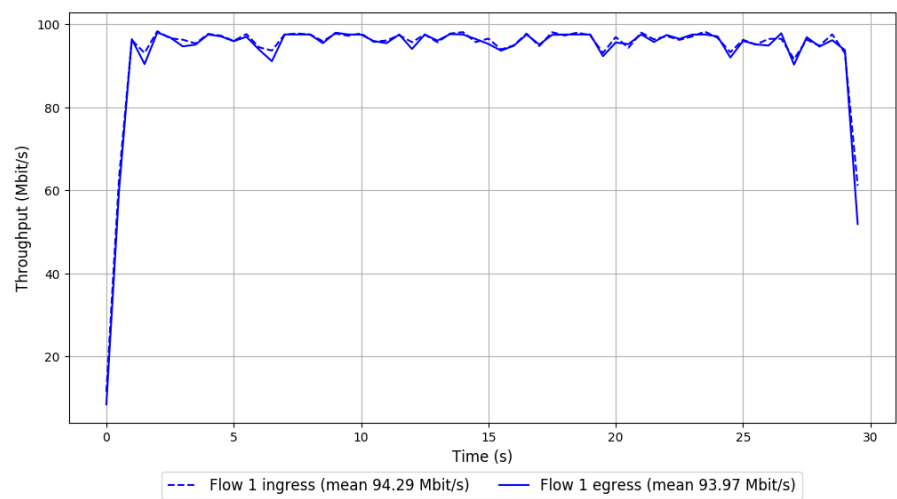


Run 6: Statistics of Indigo-delay

Start at: 2017-09-23 02:13:46  
End at: 2017-09-23 02:14:16  
Local clock offset: -8.886 ms  
Remote clock offset: -0.192 ms

# Below is generated by plot.py at 2017-09-23 06:59:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.97 Mbit/s  
95th percentile per-packet one-way delay: 35.776 ms  
Loss rate: 0.59%  
-- Flow 1:  
Average throughput: 93.97 Mbit/s  
95th percentile per-packet one-way delay: 35.776 ms  
Loss rate: 0.59%

Run 6: Report of Indigo-delay — Data Link



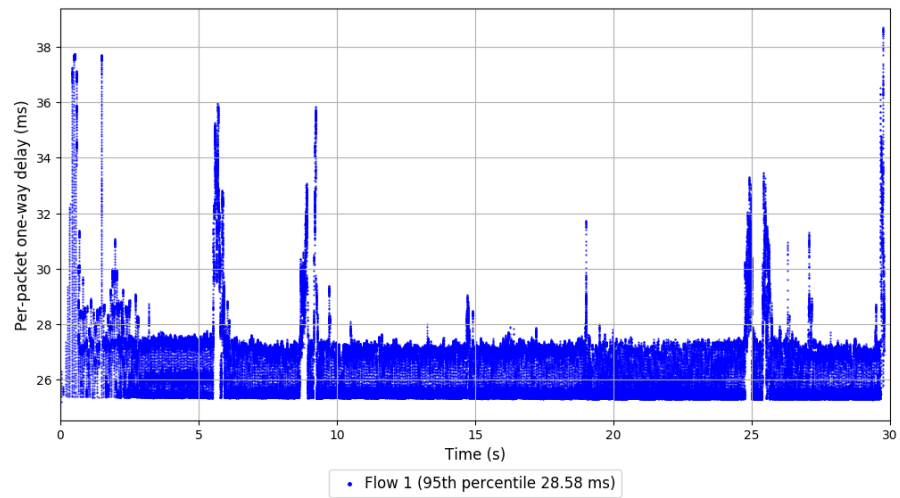
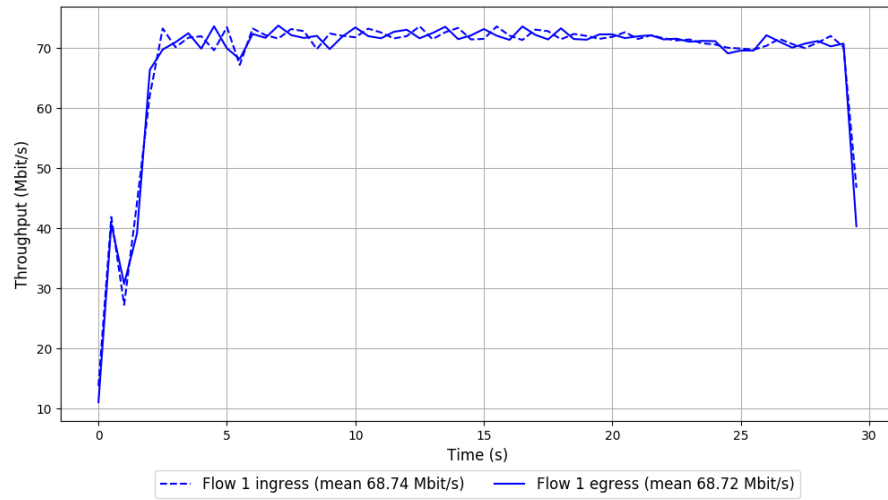
Run 7: Statistics of Indigo-delay

Start at: 2017-09-23 02:32:28  
End at: 2017-09-23 02:32:58  
Local clock offset: -6.712 ms  
Remote clock offset: -0.258 ms

# Below is generated by plot.py at 2017-09-23 06:59:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.72 Mbit/s  
95th percentile per-packet one-way delay: 28.582 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 68.72 Mbit/s  
95th percentile per-packet one-way delay: 28.582 ms  
Loss rate: 0.28%



### Run 7: Report of Indigo-delay — Data Link

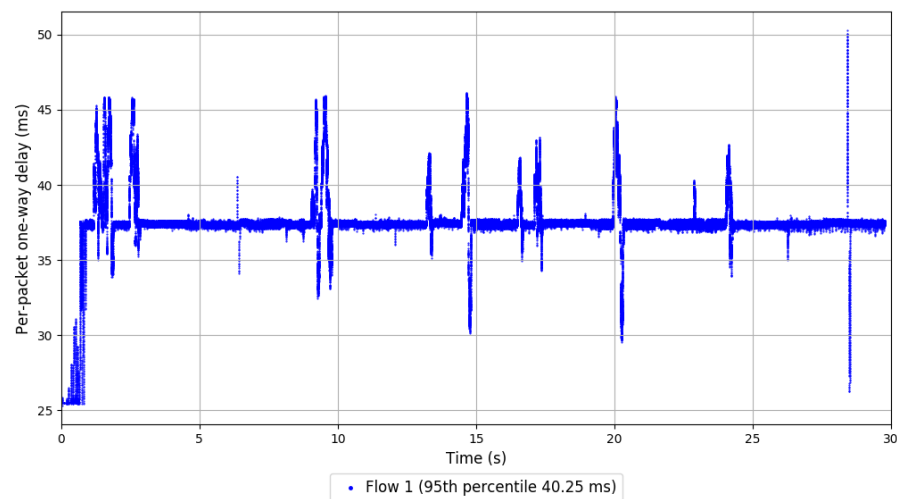
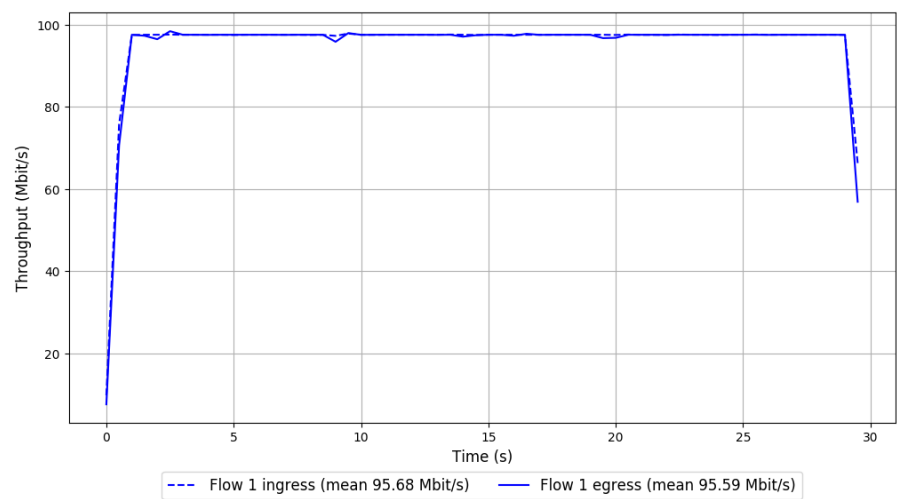


Run 8: Statistics of Indigo-delay

Start at: 2017-09-23 02:51:12  
End at: 2017-09-23 02:51:42  
Local clock offset: -4.33 ms  
Remote clock offset: -0.252 ms

# Below is generated by plot.py at 2017-09-23 06:59:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.59 Mbit/s  
95th percentile per-packet one-way delay: 40.252 ms  
Loss rate: 0.36%  
-- Flow 1:  
Average throughput: 95.59 Mbit/s  
95th percentile per-packet one-way delay: 40.252 ms  
Loss rate: 0.36%

Run 8: Report of Indigo-delay — Data Link

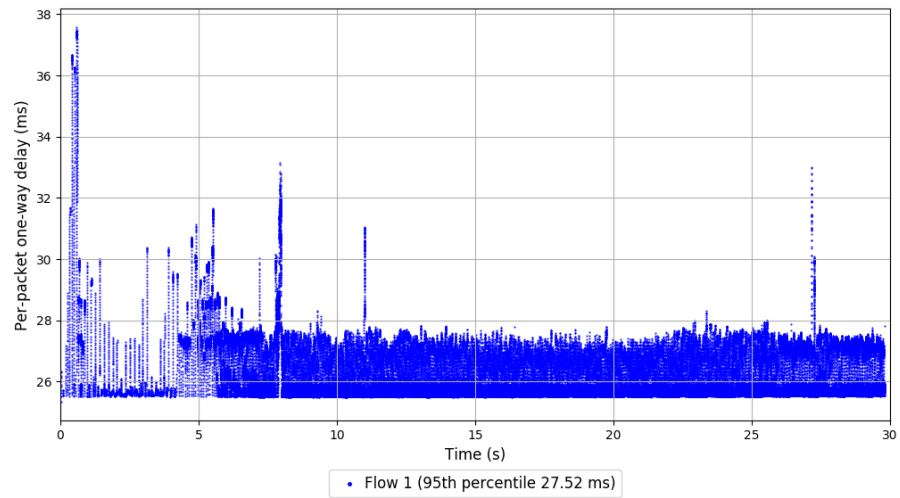
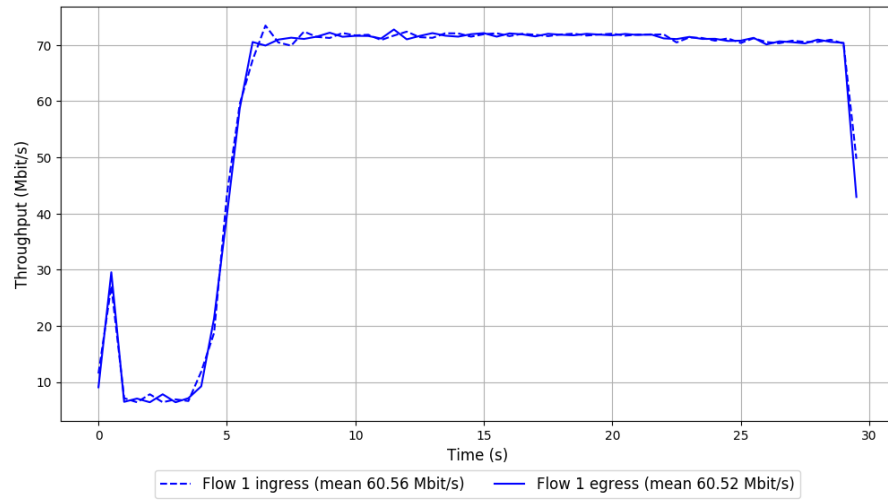


Run 9: Statistics of Indigo-delay

Start at: 2017-09-23 03:10:02  
End at: 2017-09-23 03:10:32  
Local clock offset: -4.608 ms  
Remote clock offset: -0.572 ms

# Below is generated by plot.py at 2017-09-23 06:59:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 60.52 Mbit/s  
95th percentile per-packet one-way delay: 27.515 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 60.52 Mbit/s  
95th percentile per-packet one-way delay: 27.515 ms  
Loss rate: 0.30%

### Run 9: Report of Indigo-delay — Data Link



Run 10: Statistics of Indigo-delay

Start at: 2017-09-23 03:28:47

End at: 2017-09-23 03:29:17

Local clock offset: -2.931 ms

Remote clock offset: 1.335 ms

# Below is generated by plot.py at 2017-09-23 06:59:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.04 Mbit/s

95th percentile per-packet one-way delay: 26.484 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 89.04 Mbit/s

95th percentile per-packet one-way delay: 26.484 ms

Loss rate: 0.26%

Run 10: Report of Indigo-delay — Data Link

