

## Pantheon Report

Generated at 2017-09-03 08:42:50 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) → Colombia Ethernet (*remote*).

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

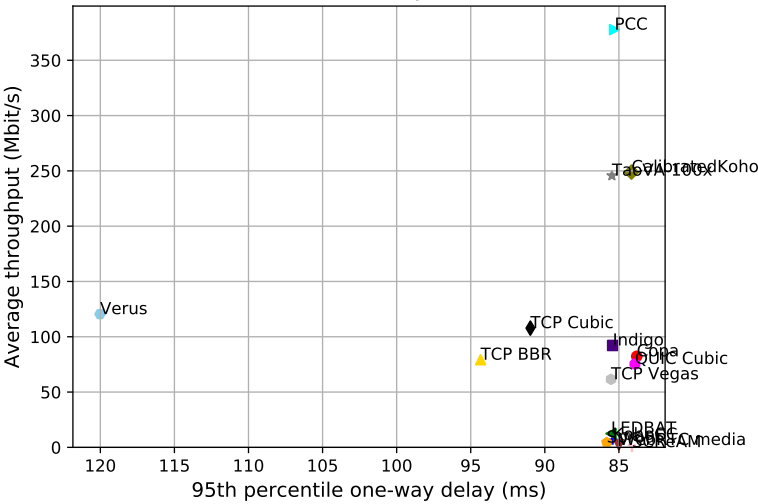
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

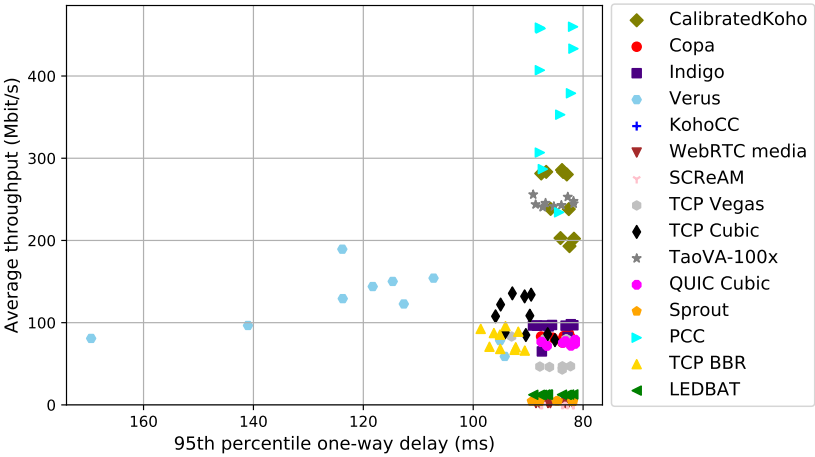
Git summary:

```
branch: master @ 2a98508c2457474d84cd2966a42b80b0bc62ecaf
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ 10192113fb6902d25c86e0e3e4c85d7a05e43d7e
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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from AWS Brazil 2 Ethernet to Colombia 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	79.22	94.34	0.04
CalibratedKoho	10	248.87	84.15	0.32
Copa	10	82.32	83.80	0.00
TCP Cubic	10	107.80	90.98	0.02
Indigo	10	92.13	85.42	0.00
KohoCC	10	6.92	85.43	0.00
LEDBAT	10	12.46	85.54	0.00
PCC	10	377.68	85.29	3.46
QUIC Cubic	9	75.43	83.92	0.00
SCReAM	10	0.22	84.12	0.01
Sprout	8	4.38	85.83	0.00
TaoVA-100x	10	245.68	85.47	0.00
TCP Vegas	9	61.53	85.53	0.00
Verus	10	120.43	120.02	0.12
WebRTC media	10	2.14	85.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2017-09-03 04:07:28

End at: 2017-09-03 04:07:58

Local clock offset: 0.284 ms

Remote clock offset: -3.412 ms

# Below is generated by plot.py at 2017-09-03 08:23:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.74 Mbit/s

95th percentile per-packet one-way delay: 97.040 ms

Loss rate: 0.12%

-- Flow 1:

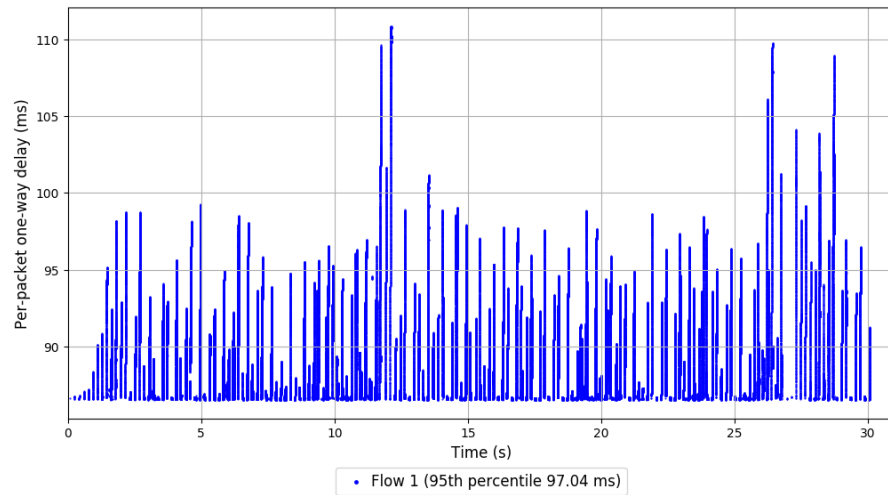
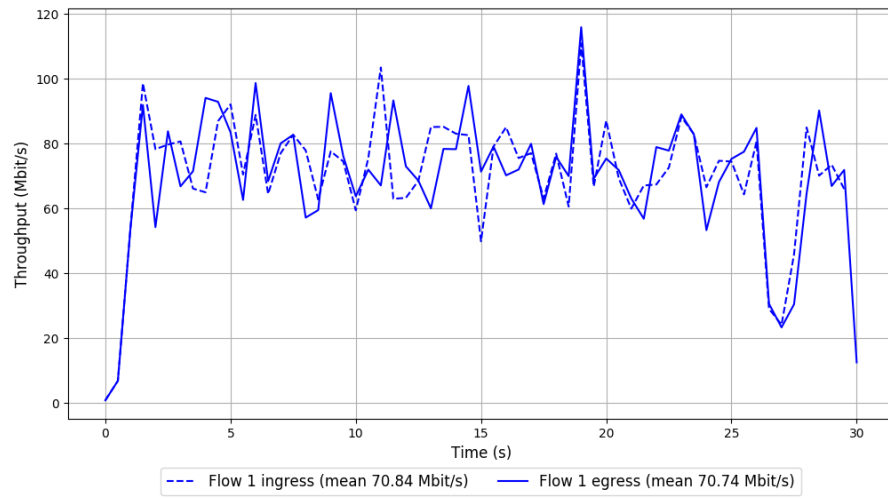
Average throughput: 70.74 Mbit/s

95th percentile per-packet one-way delay: 97.040 ms

Loss rate: 0.12%



# Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-09-03 04:26:55

End at: 2017-09-03 04:27:25

Local clock offset: 0.227 ms

Remote clock offset: -3.709 ms

# Below is generated by plot.py at 2017-09-03 08:23:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.40 Mbit/s

95th percentile per-packet one-way delay: 96.232 ms

Loss rate: 0.00%

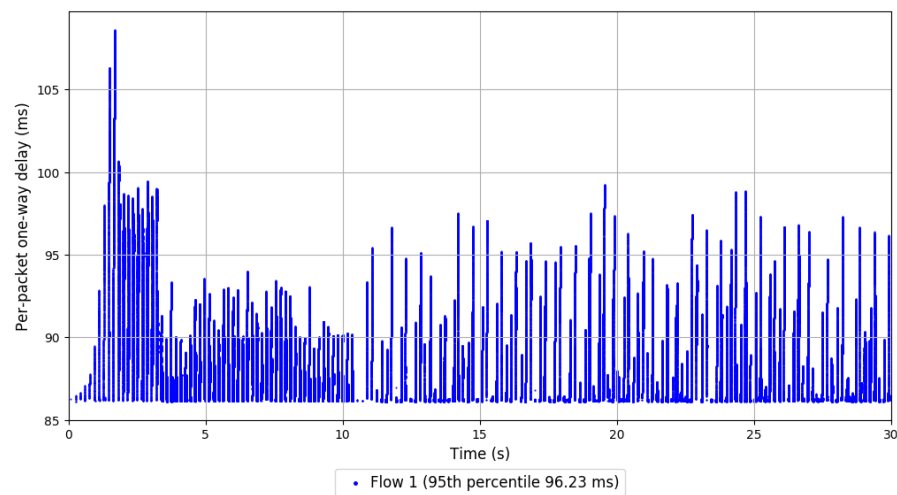
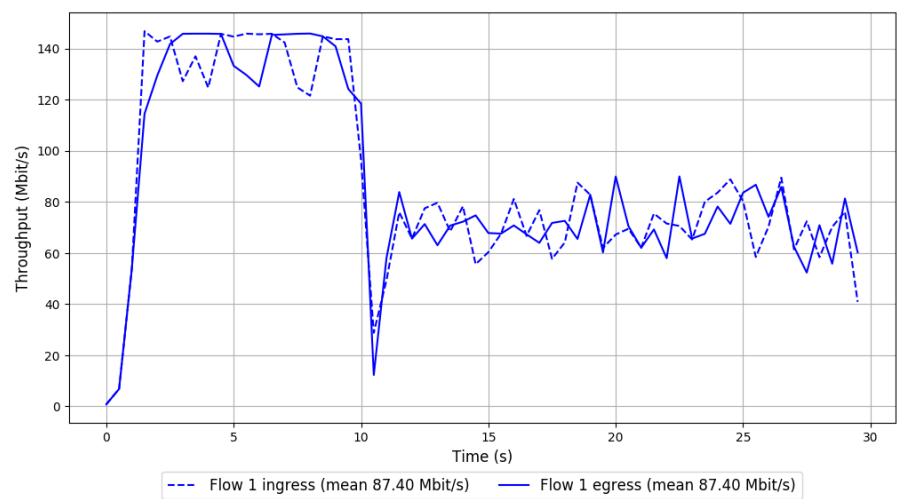
-- Flow 1:

Average throughput: 87.40 Mbit/s

95th percentile per-packet one-way delay: 96.232 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

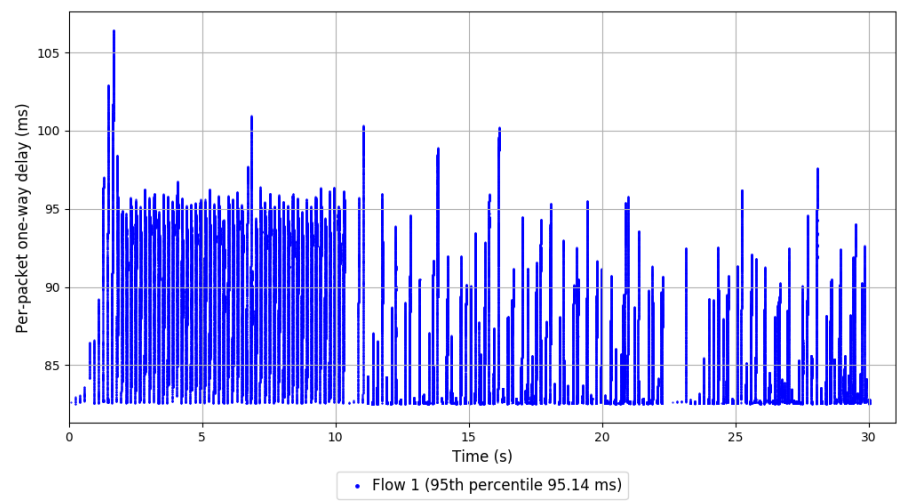
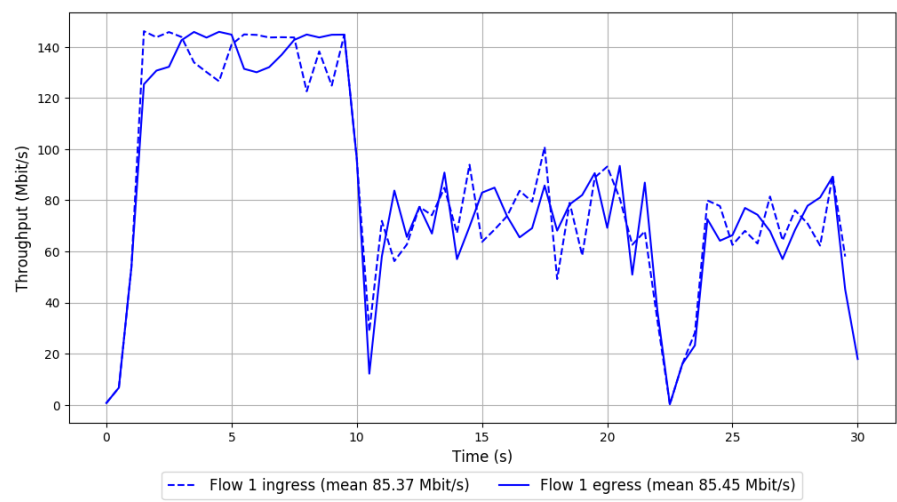


Run 3: Statistics of TCP BBR

Start at: 2017-09-03 04:47:01  
End at: 2017-09-03 04:47:31  
Local clock offset: 0.264 ms  
Remote clock offset: -7.951 ms

# Below is generated by plot.py at 2017-09-03 08:23:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.45 Mbit/s  
95th percentile per-packet one-way delay: 95.136 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 85.45 Mbit/s  
95th percentile per-packet one-way delay: 95.136 ms  
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-09-03 05:06:44

End at: 2017-09-03 05:07:14

Local clock offset: 0.379 ms

Remote clock offset: -7.005 ms

# Below is generated by plot.py at 2017-09-03 08:23:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.10 Mbit/s

95th percentile per-packet one-way delay: 90.614 ms

Loss rate: 0.00%

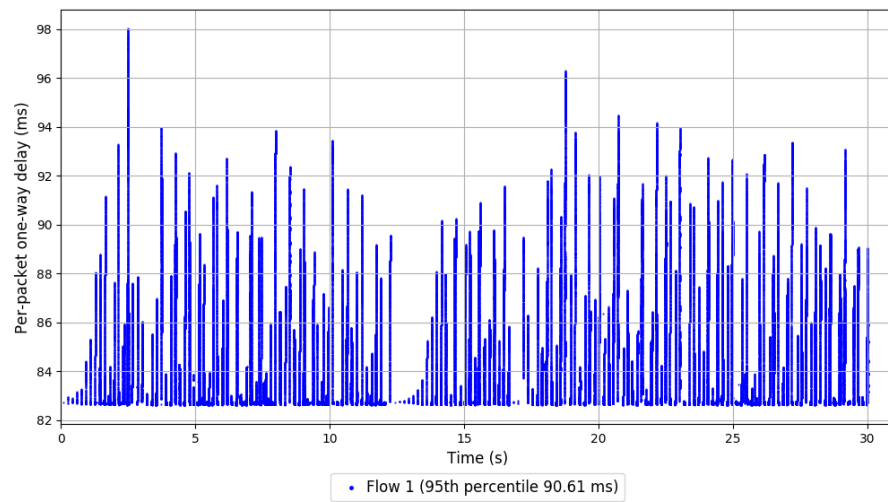
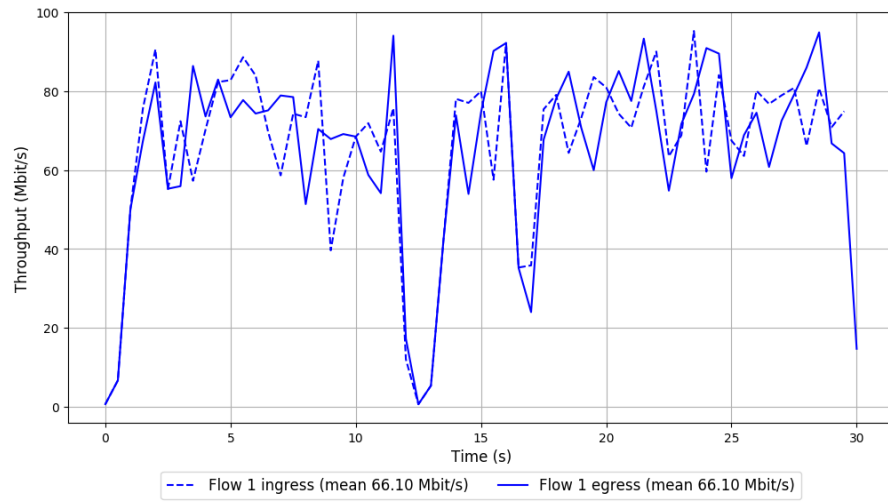
-- Flow 1:

Average throughput: 66.10 Mbit/s

95th percentile per-packet one-way delay: 90.614 ms

Loss rate: 0.00%

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



Run 5: Statistics of TCP BBR

Start at: 2017-09-03 05:26:53

End at: 2017-09-03 05:27:23

Local clock offset: 0.401 ms

Remote clock offset: -2.937 ms

# Below is generated by plot.py at 2017-09-03 08:24:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.46 Mbit/s

95th percentile per-packet one-way delay: 98.635 ms

Loss rate: 0.00%

-- Flow 1:

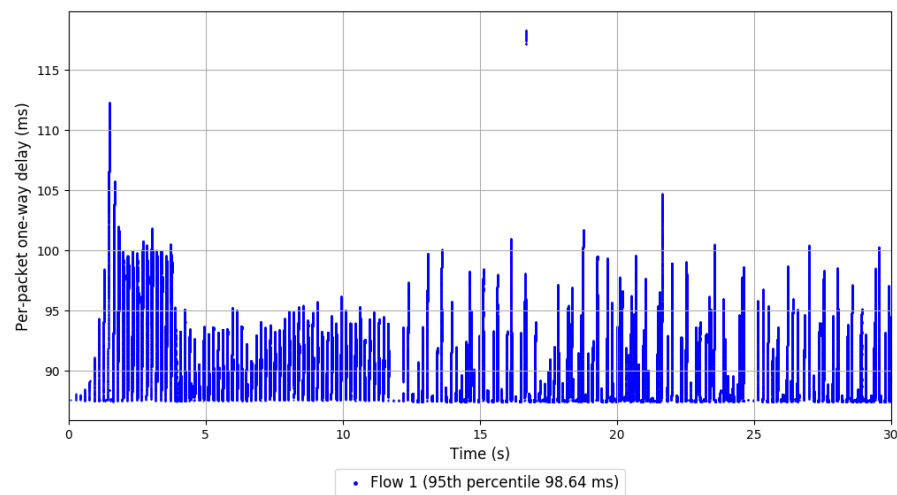
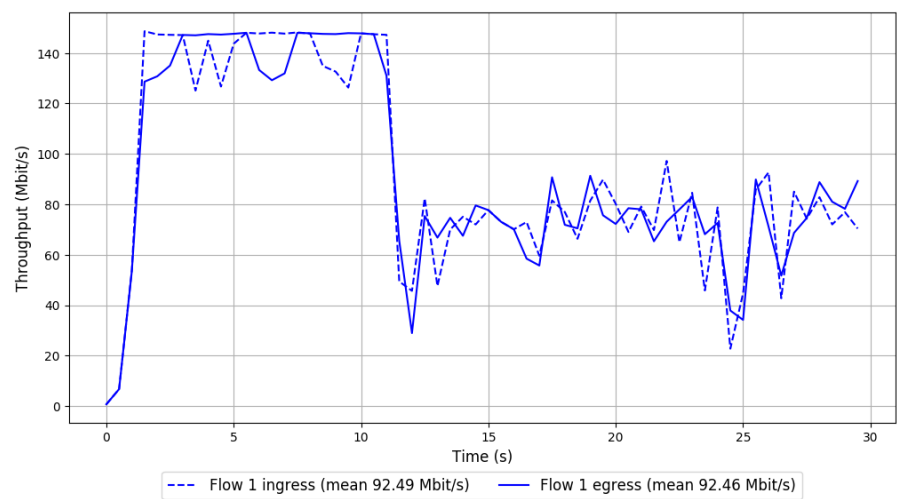
Average throughput: 92.46 Mbit/s

95th percentile per-packet one-way delay: 98.635 ms

Loss rate: 0.00%



Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-09-03 05:46:48

End at: 2017-09-03 05:47:19

Local clock offset: 0.341 ms

Remote clock offset: -7.802 ms

# Below is generated by plot.py at 2017-09-03 08:24:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 67.02 Mbit/s

95th percentile per-packet one-way delay: 92.461 ms

Loss rate: 0.29%

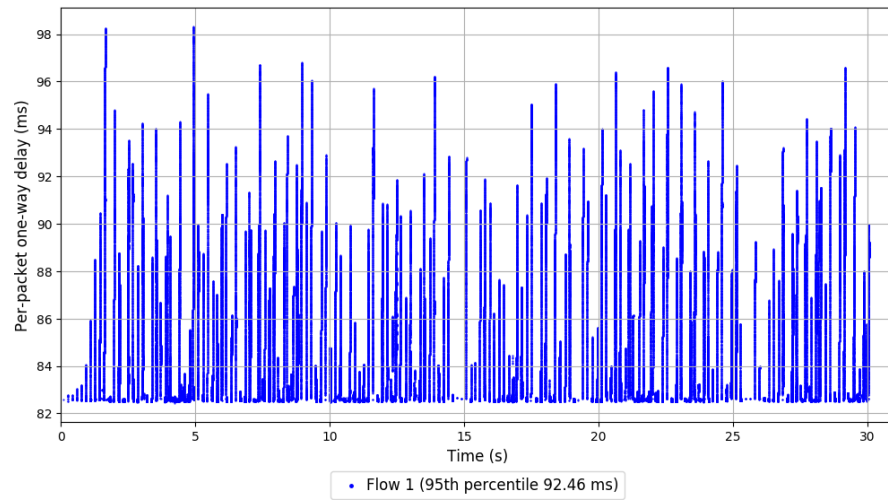
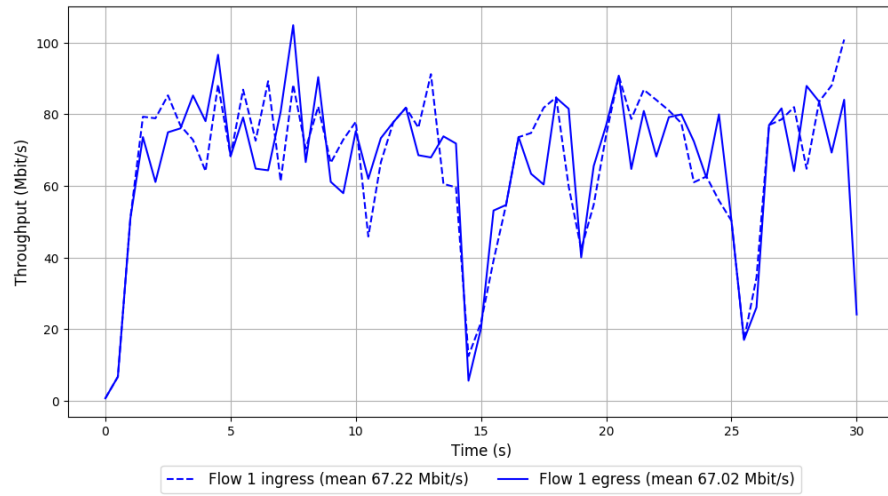
-- Flow 1:

Average throughput: 67.02 Mbit/s

95th percentile per-packet one-way delay: 92.461 ms

Loss rate: 0.29%

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

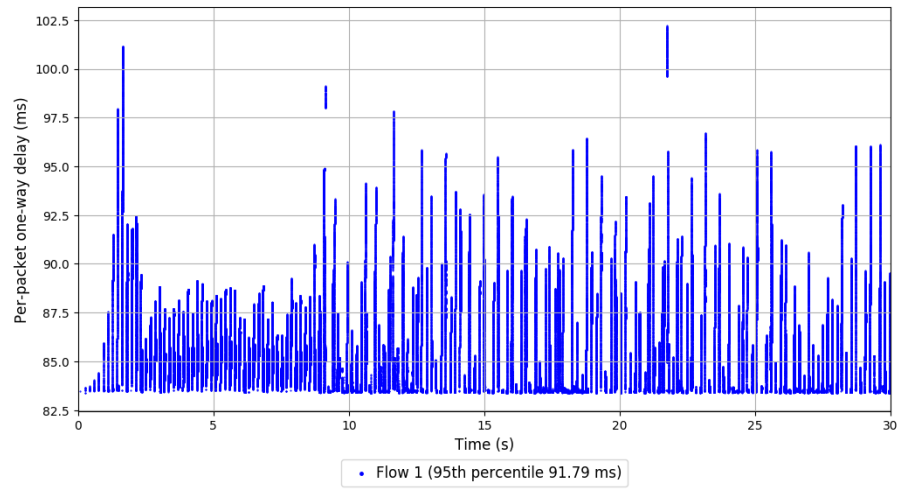
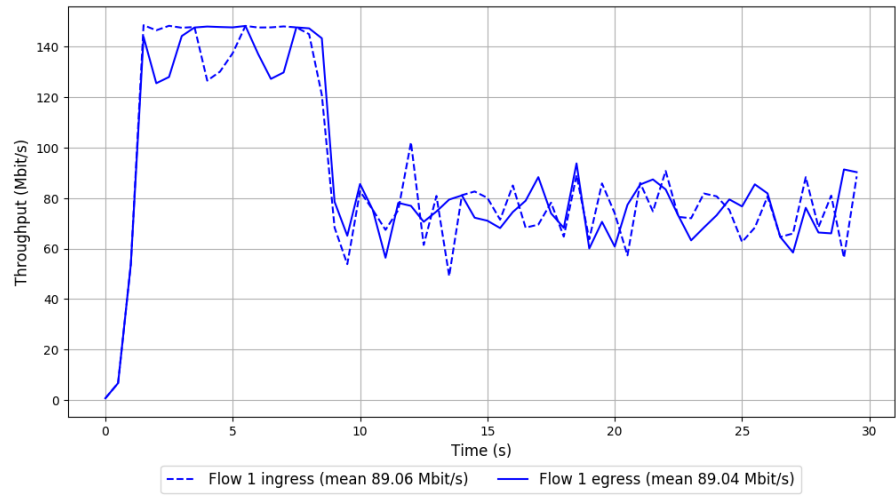


Run 7: Statistics of TCP BBR

Start at: 2017-09-03 06:06:51  
End at: 2017-09-03 06:07:21  
Local clock offset: 0.394 ms  
Remote clock offset: -6.671 ms

# Below is generated by plot.py at 2017-09-03 08:24:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.04 Mbit/s  
95th percentile per-packet one-way delay: 91.793 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 89.04 Mbit/s  
95th percentile per-packet one-way delay: 91.793 ms  
Loss rate: 0.00%

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



Run 8: Statistics of TCP BBR

Start at: 2017-09-03 06:26:43

End at: 2017-09-03 06:27:13

Local clock offset: 0.375 ms

Remote clock offset: -6.549 ms

# Below is generated by plot.py at 2017-09-03 08:24:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.07 Mbit/s

95th percentile per-packet one-way delay: 95.078 ms

Loss rate: 0.01%

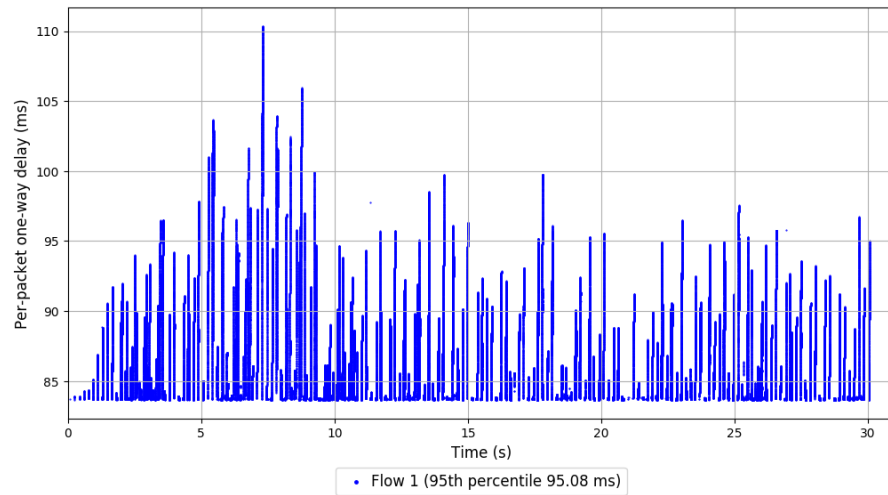
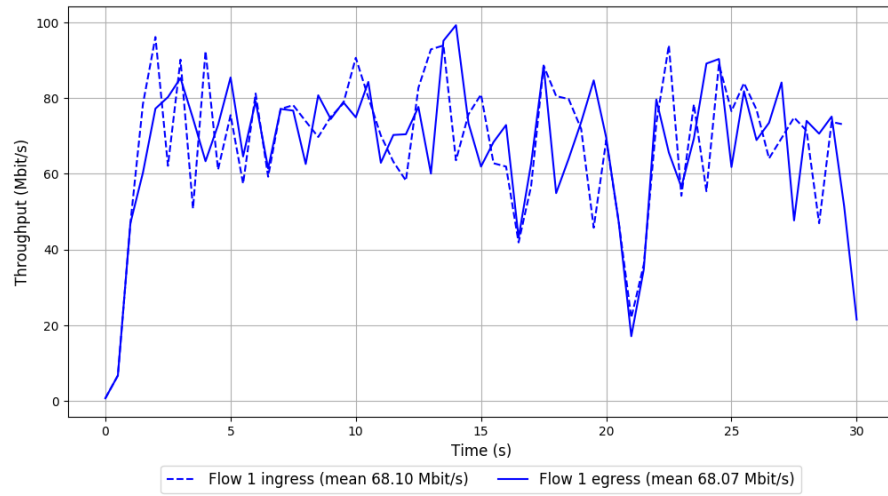
-- Flow 1:

Average throughput: 68.07 Mbit/s

95th percentile per-packet one-way delay: 95.078 ms

Loss rate: 0.01%

# Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2017-09-03 06:46:48

End at: 2017-09-03 06:47:18

Local clock offset: 0.379 ms

Remote clock offset: -7.26 ms

# Below is generated by plot.py at 2017-09-03 08:24:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.82 Mbit/s

95th percentile per-packet one-way delay: 94.124 ms

Loss rate: 0.00%

-- Flow 1:

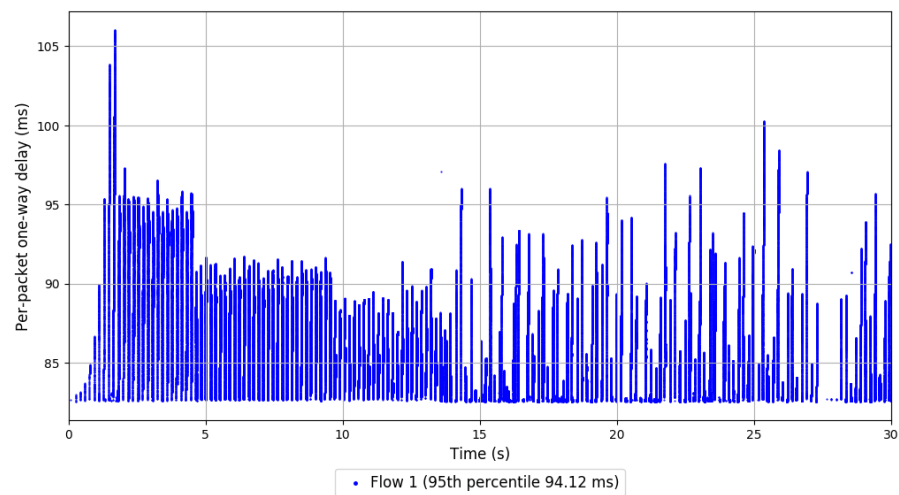
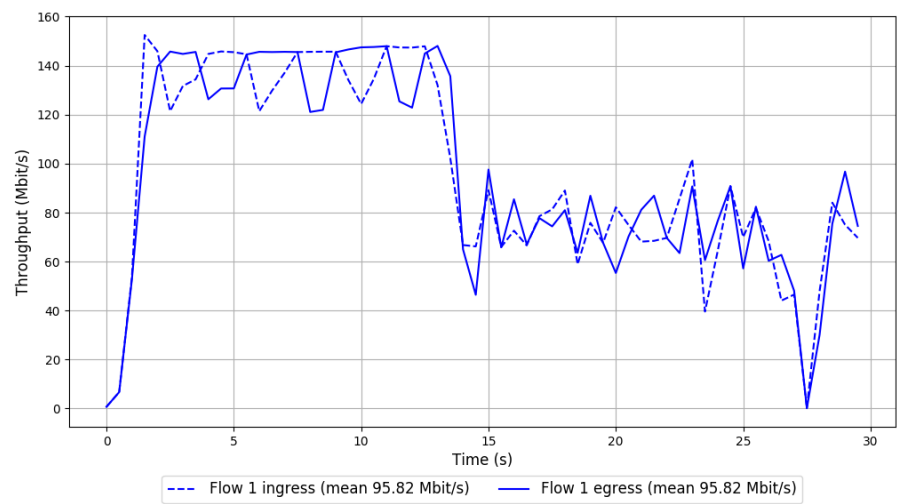
Average throughput: 95.82 Mbit/s

95th percentile per-packet one-way delay: 94.124 ms

Loss rate: 0.00%



Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2017-09-03 07:06:32

End at: 2017-09-03 07:07:02

Local clock offset: 0.415 ms

Remote clock offset: -6.27 ms

# Below is generated by plot.py at 2017-09-03 08:24:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.15 Mbit/s

95th percentile per-packet one-way delay: 92.261 ms

Loss rate: 0.00%

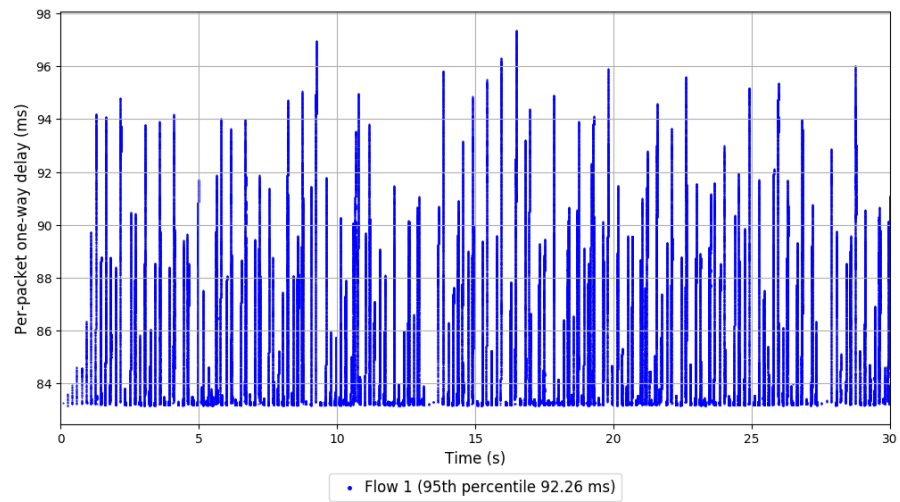
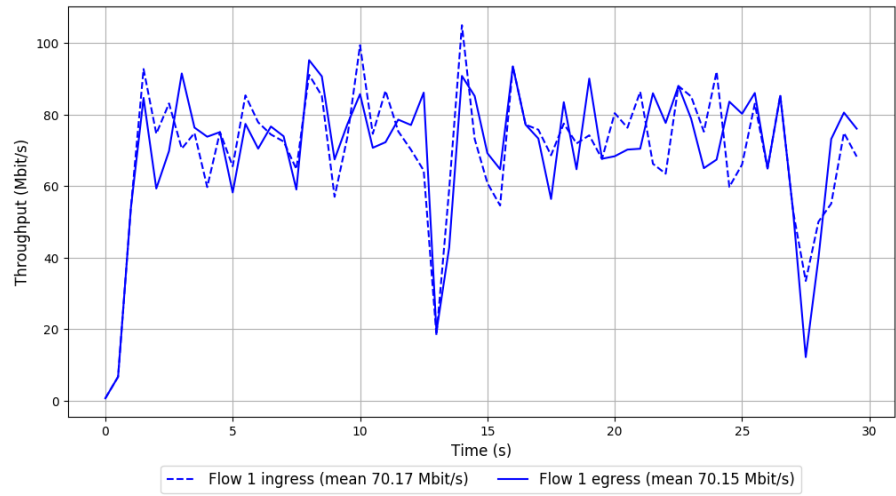
-- Flow 1:

Average throughput: 70.15 Mbit/s

95th percentile per-packet one-way delay: 92.261 ms

Loss rate: 0.00%

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



Run 1: Statistics of CalibratedKoho

Start at: 2017-09-03 04:16:42

End at: 2017-09-03 04:17:12

Local clock offset: 0.279 ms

Remote clock offset: -7.49 ms

# Below is generated by plot.py at 2017-09-03 08:24:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 193.07 Mbit/s

95th percentile per-packet one-way delay: 82.477 ms

Loss rate: 0.00%

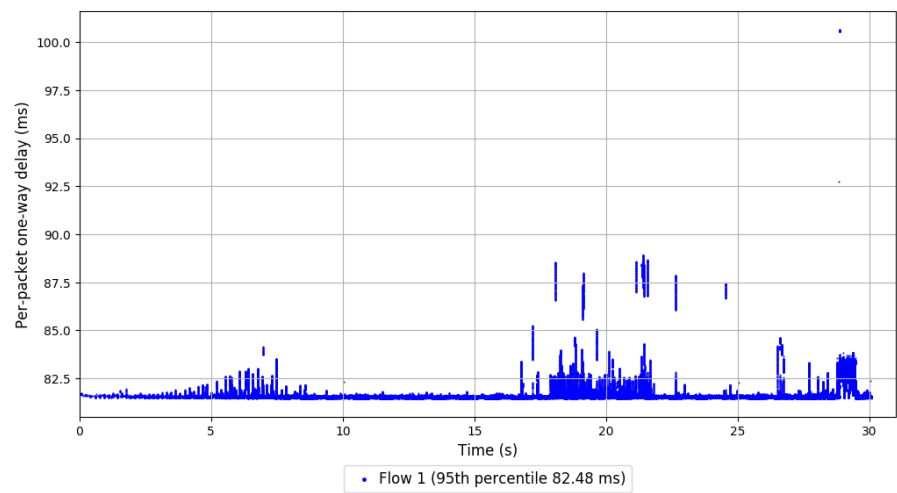
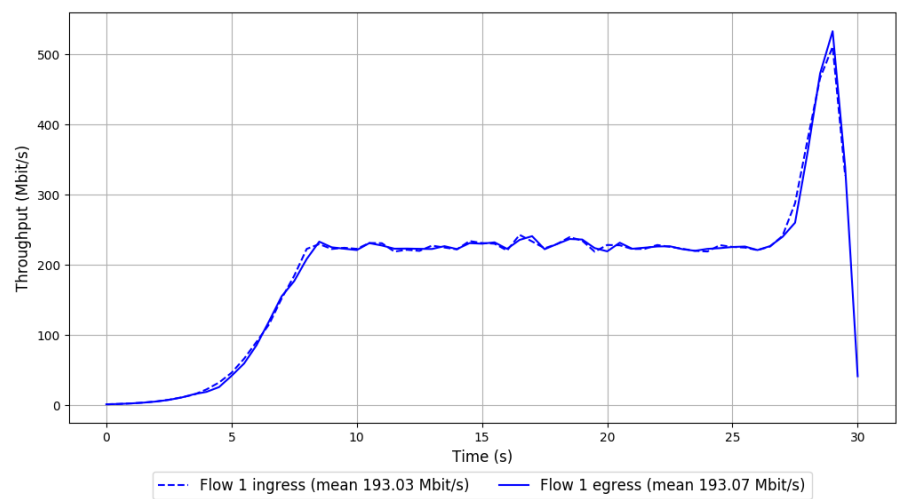
-- Flow 1:

Average throughput: 193.07 Mbit/s

95th percentile per-packet one-way delay: 82.477 ms

Loss rate: 0.00%

Run 1: Report of CalibratedKoho — Data Link

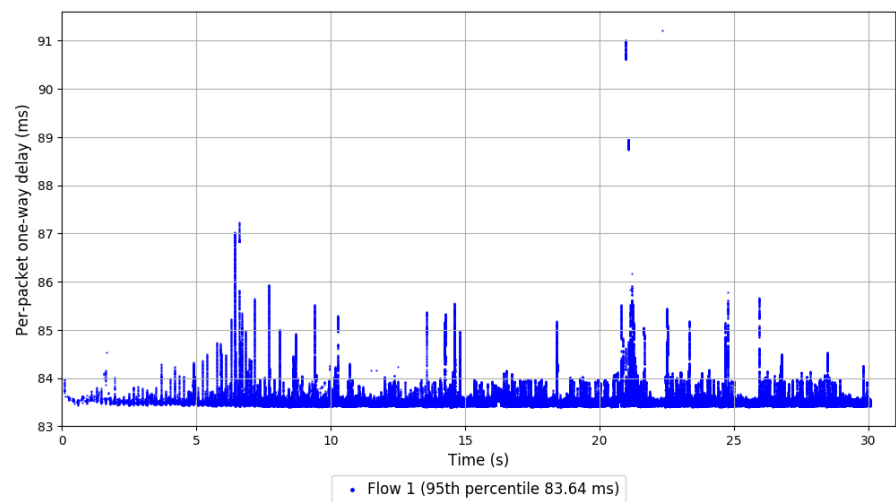
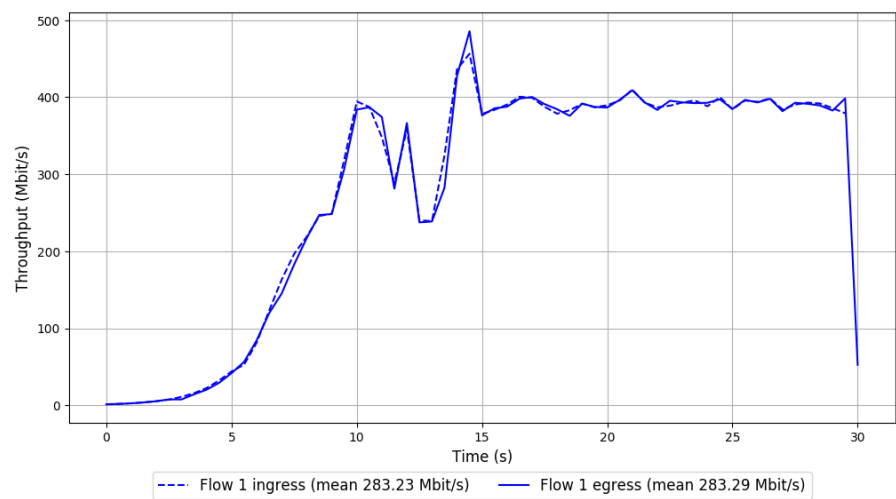


Run 2: Statistics of CalibratedKoho

Start at: 2017-09-03 04:36:03  
End at: 2017-09-03 04:36:33  
Local clock offset: 0.22 ms  
Remote clock offset: -6.882 ms

# Below is generated by plot.py at 2017-09-03 08:25:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 283.29 Mbit/s  
95th percentile per-packet one-way delay: 83.637 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 283.29 Mbit/s  
95th percentile per-packet one-way delay: 83.637 ms  
Loss rate: 0.00%

Run 2: Report of CalibratedKoho — Data Link



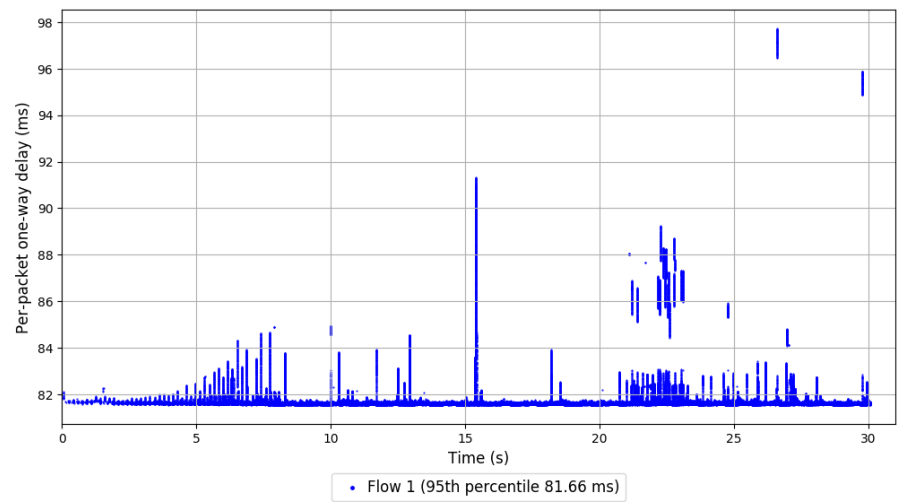
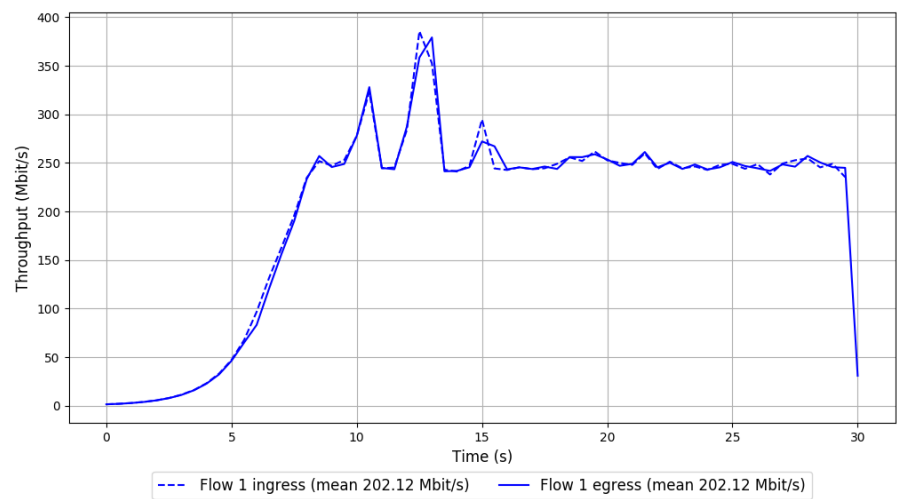
Run 3: Statistics of CalibratedKoho

Start at: 2017-09-03 04:56:22  
End at: 2017-09-03 04:56:52  
Local clock offset: 0.272 ms  
Remote clock offset: -7.968 ms

# Below is generated by plot.py at 2017-09-03 08:25:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 202.12 Mbit/s  
95th percentile per-packet one-way delay: 81.660 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 202.12 Mbit/s  
95th percentile per-packet one-way delay: 81.660 ms  
Loss rate: 0.00%



Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: 2017-09-03 05:16:04

End at: 2017-09-03 05:16:34

Local clock offset: 0.409 ms

Remote clock offset: -7.9 ms

# Below is generated by plot.py at 2017-09-03 08:25:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 280.25 Mbit/s

95th percentile per-packet one-way delay: 82.965 ms

Loss rate: 0.00%

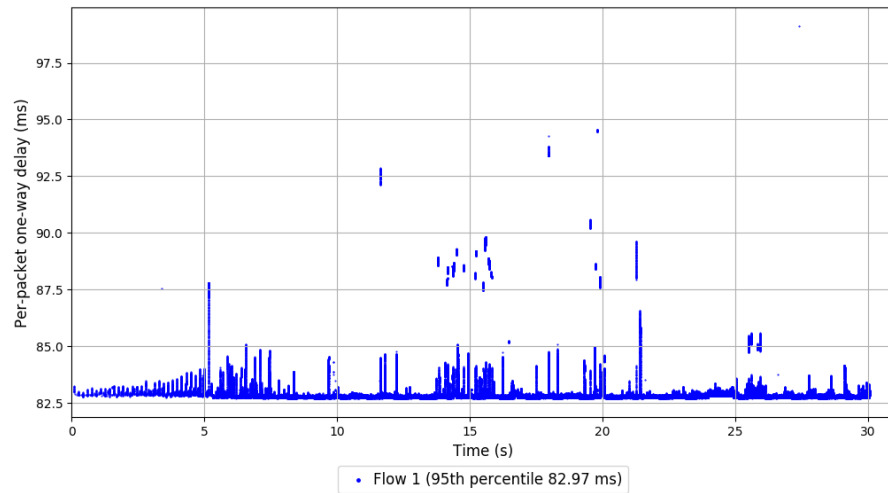
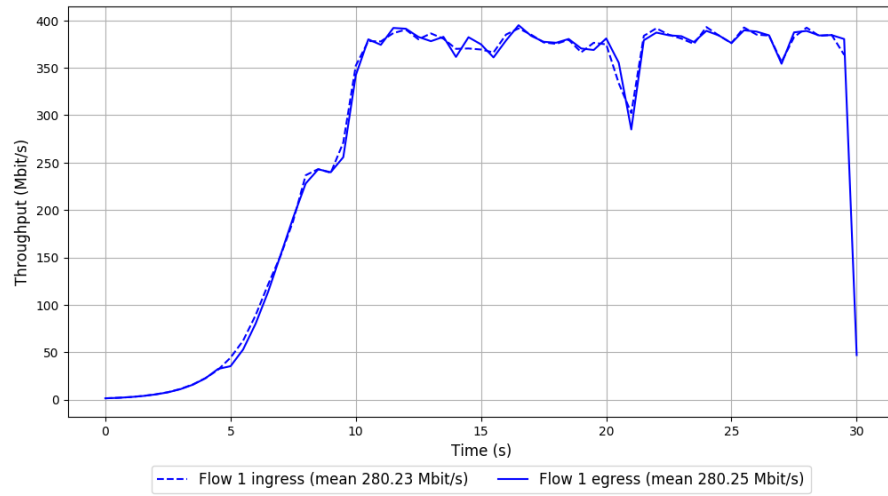
-- Flow 1:

Average throughput: 280.25 Mbit/s

95th percentile per-packet one-way delay: 82.965 ms

Loss rate: 0.00%

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

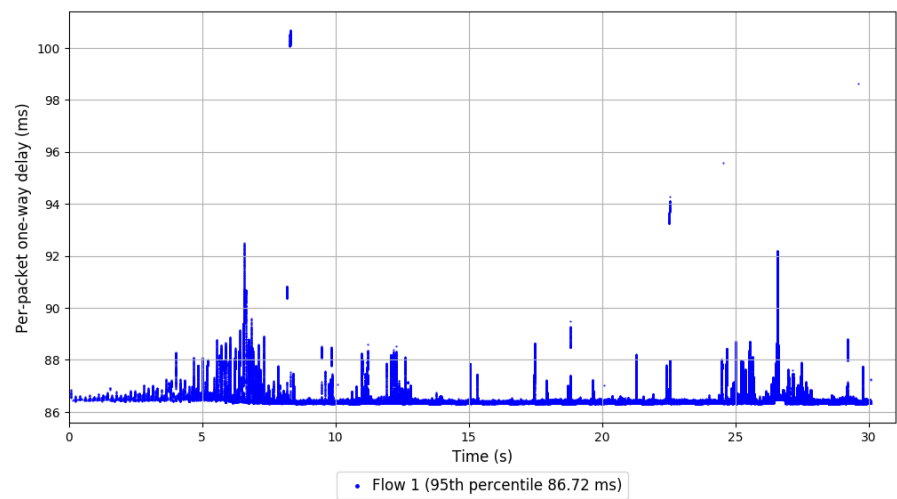
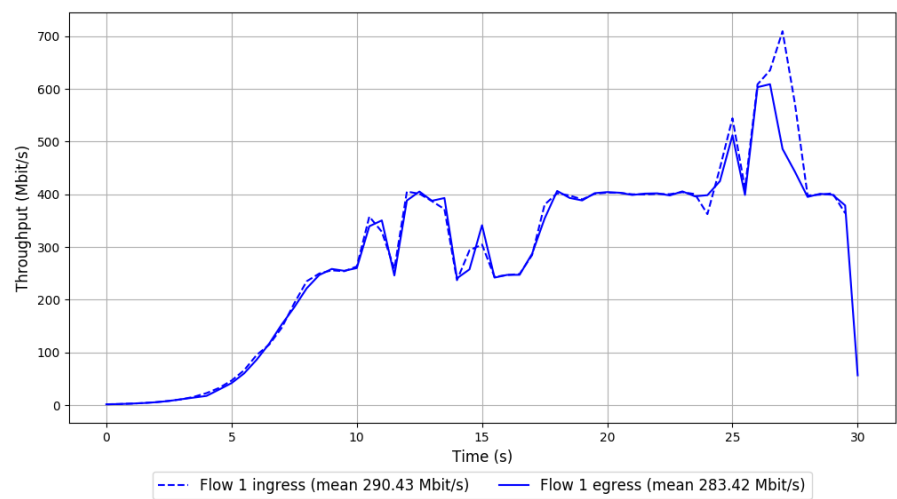


Run 5: Statistics of CalibratedKoho

Start at: 2017-09-03 05:35:58  
End at: 2017-09-03 05:36:28  
Local clock offset: 0.401 ms  
Remote clock offset: -2.914 ms

# Below is generated by plot.py at 2017-09-03 08:25:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 283.42 Mbit/s  
95th percentile per-packet one-way delay: 86.716 ms  
Loss rate: 2.41%  
-- Flow 1:  
Average throughput: 283.42 Mbit/s  
95th percentile per-packet one-way delay: 86.716 ms  
Loss rate: 2.41%

Run 5: Report of CalibratedKoho — Data Link

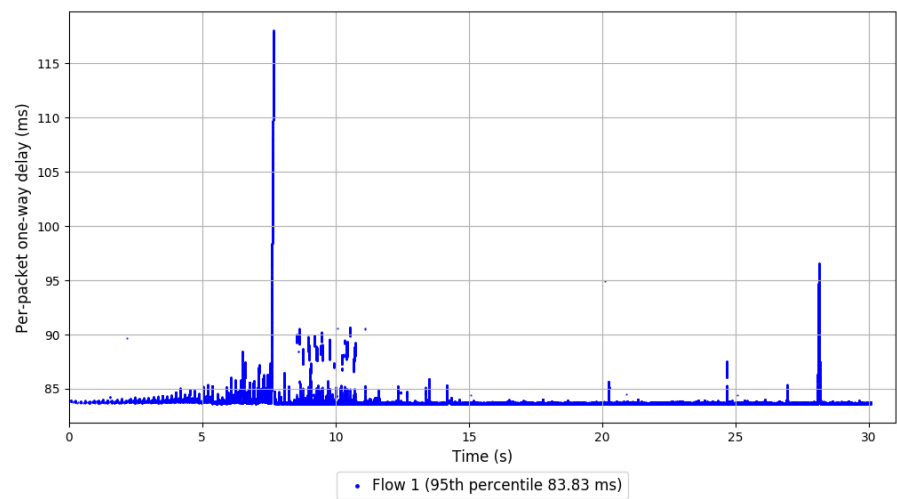
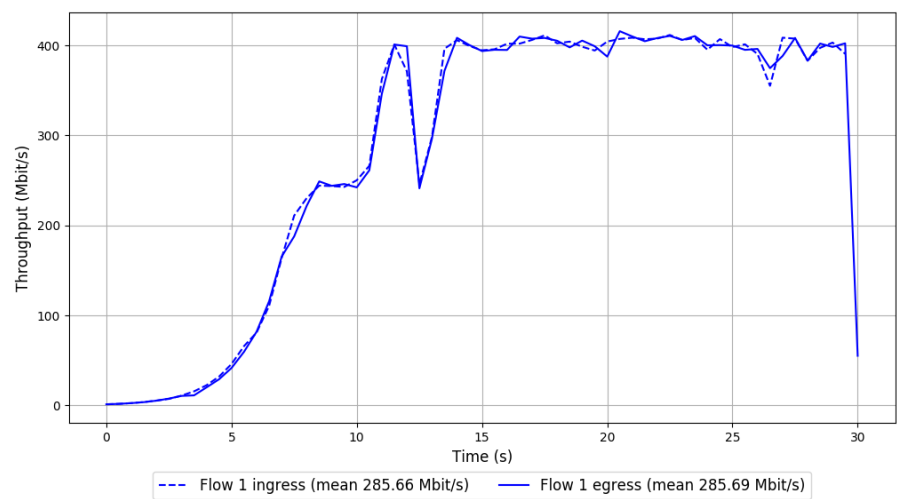


Run 6: Statistics of CalibratedKoho

Start at: 2017-09-03 05:56:05  
End at: 2017-09-03 05:56:35  
Local clock offset: 0.369 ms  
Remote clock offset: -6.889 ms

# Below is generated by plot.py at 2017-09-03 08:26:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 285.69 Mbit/s  
95th percentile per-packet one-way delay: 83.834 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 285.69 Mbit/s  
95th percentile per-packet one-way delay: 83.834 ms  
Loss rate: 0.00%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: 2017-09-03 06:16:04

End at: 2017-09-03 06:16:34

Local clock offset: 0.302 ms

Remote clock offset: -3.58 ms

# Below is generated by plot.py at 2017-09-03 08:26:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 238.35 Mbit/s

95th percentile per-packet one-way delay: 85.908 ms

Loss rate: 0.01%

-- Flow 1:

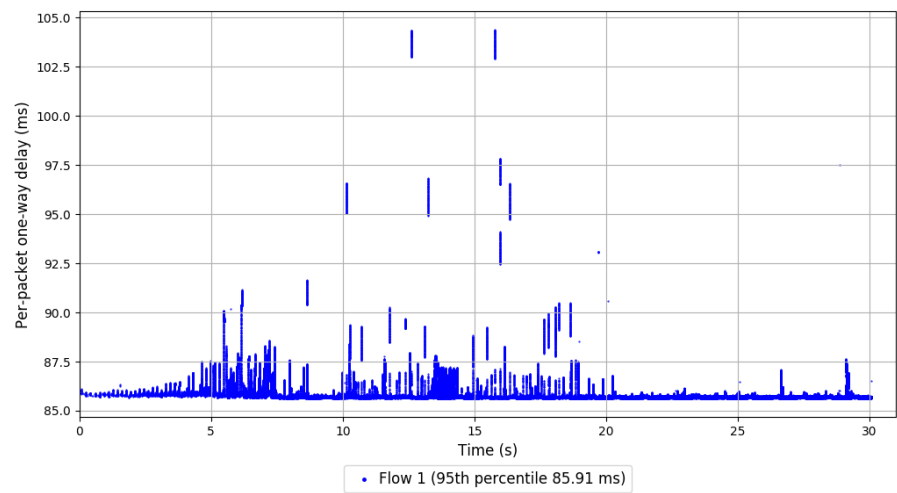
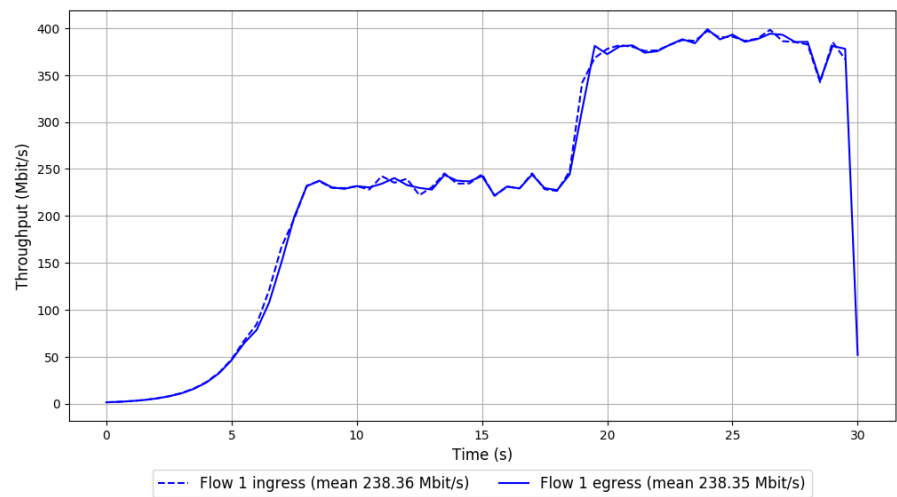
Average throughput: 238.35 Mbit/s

95th percentile per-packet one-way delay: 85.908 ms

Loss rate: 0.01%



Run 7: Report of CalibratedKoho — Data Link

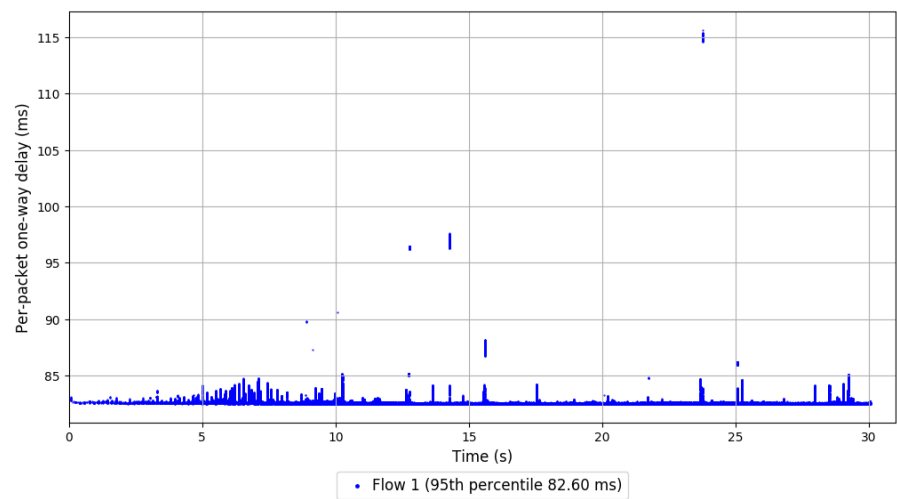
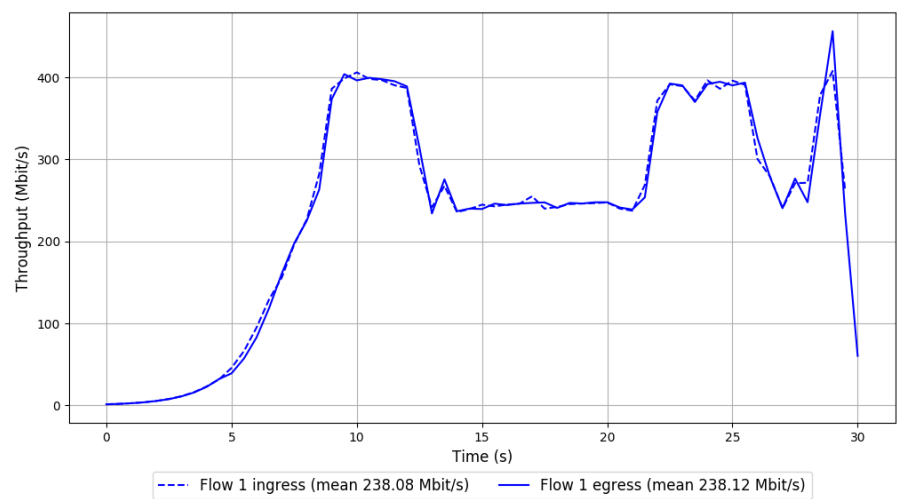


Run 8: Statistics of CalibratedKoho

Start at: 2017-09-03 06:35:59  
End at: 2017-09-03 06:36:29  
Local clock offset: 0.434 ms  
Remote clock offset: -7.295 ms

# Below is generated by plot.py at 2017-09-03 08:26:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 238.12 Mbit/s  
95th percentile per-packet one-way delay: 82.603 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 238.12 Mbit/s  
95th percentile per-packet one-way delay: 82.603 ms  
Loss rate: 0.01%

Run 8: Report of CalibratedKoho — Data Link

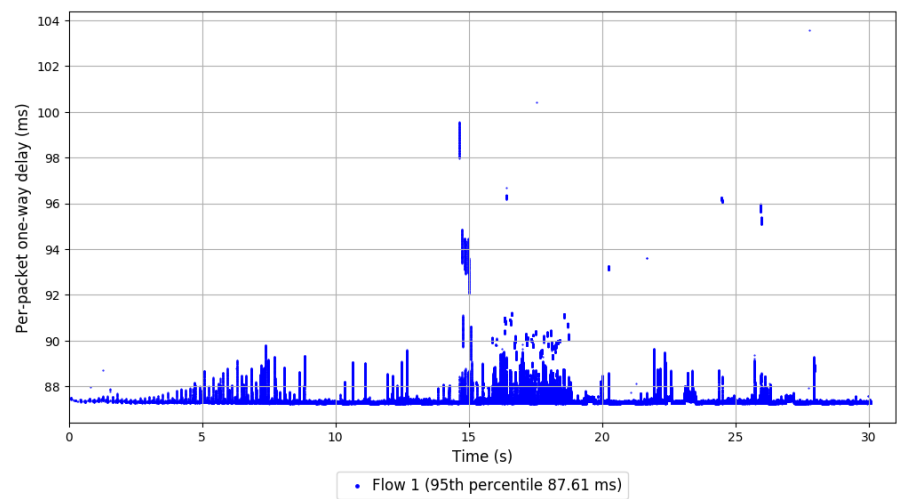
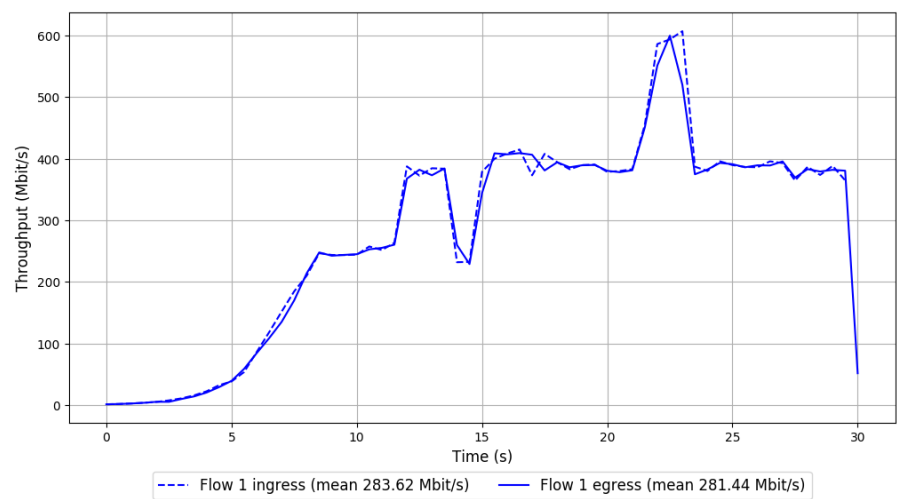


Run 9: Statistics of CalibratedKoho

Start at: 2017-09-03 06:55:46  
End at: 2017-09-03 06:56:16  
Local clock offset: 0.465 ms  
Remote clock offset: -3.222 ms

# Below is generated by plot.py at 2017-09-03 08:26:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 281.44 Mbit/s  
95th percentile per-packet one-way delay: 87.615 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 281.44 Mbit/s  
95th percentile per-packet one-way delay: 87.615 ms  
Loss rate: 0.79%

Run 9: Report of CalibratedKoho — Data Link

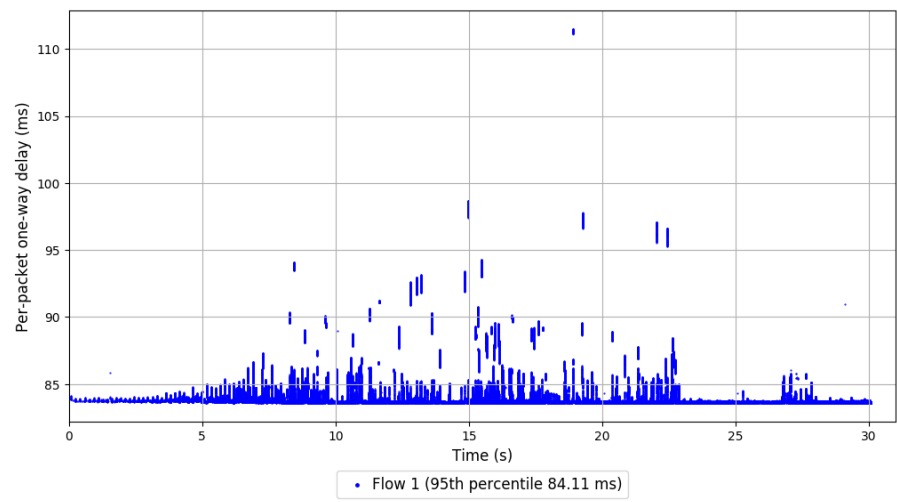
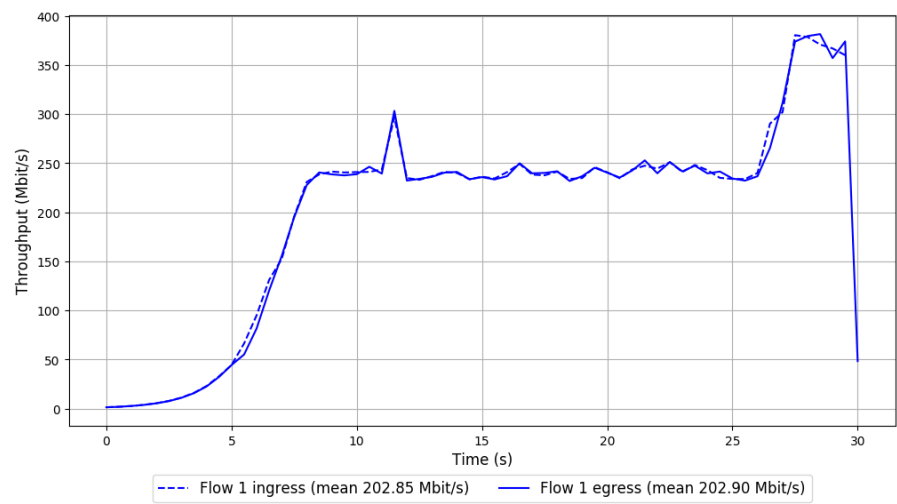


Run 10: Statistics of CalibratedKoho

Start at: 2017-09-03 07:16:09  
End at: 2017-09-03 07:16:39  
Local clock offset: 0.422 ms  
Remote clock offset: -6.329 ms

# Below is generated by plot.py at 2017-09-03 08:27:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 202.90 Mbit/s  
95th percentile per-packet one-way delay: 84.110 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 202.90 Mbit/s  
95th percentile per-packet one-way delay: 84.110 ms  
Loss rate: 0.00%

Run 10: Report of CalibratedKoho — Data Link



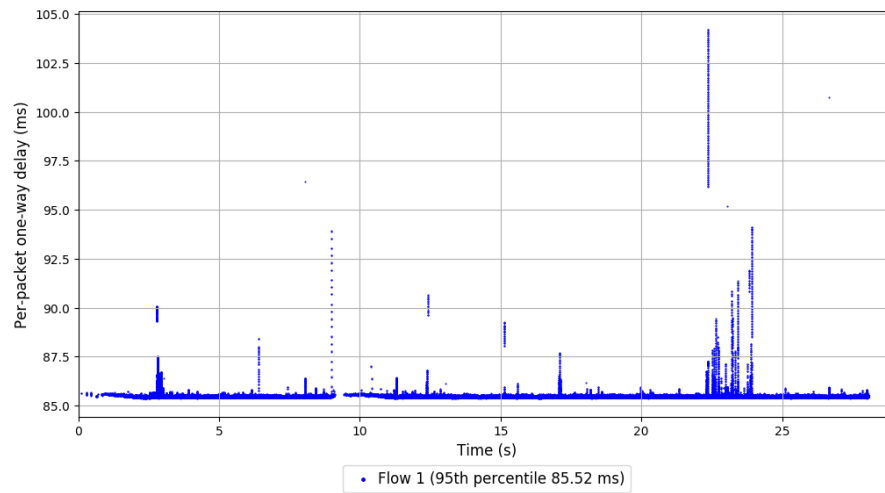
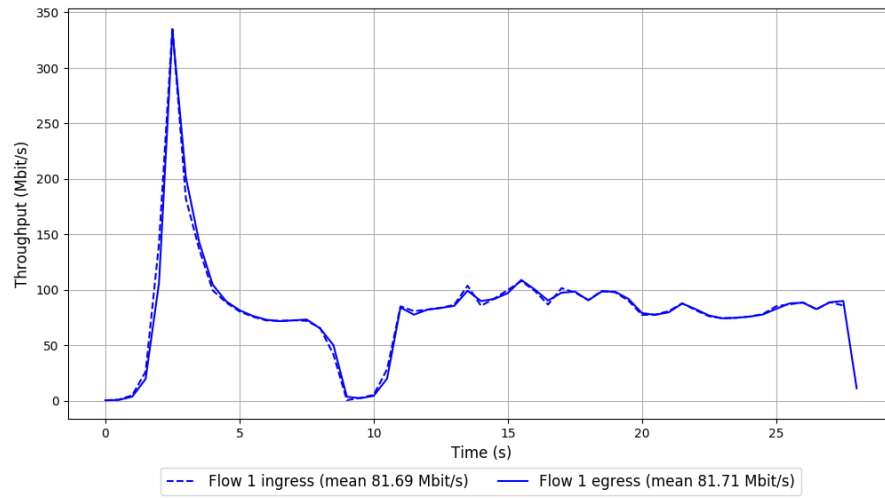
Run 1: Statistics of Copa

Start at: 2017-09-03 04:20:30  
End at: 2017-09-03 04:21:00  
Local clock offset: 0.258 ms  
Remote clock offset: -3.601 ms

# Below is generated by plot.py at 2017-09-03 08:27:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.71 Mbit/s  
95th percentile per-packet one-way delay: 85.515 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 81.71 Mbit/s  
95th percentile per-packet one-way delay: 85.515 ms  
Loss rate: 0.00%



## Run 1: Report of Copa — Data Link

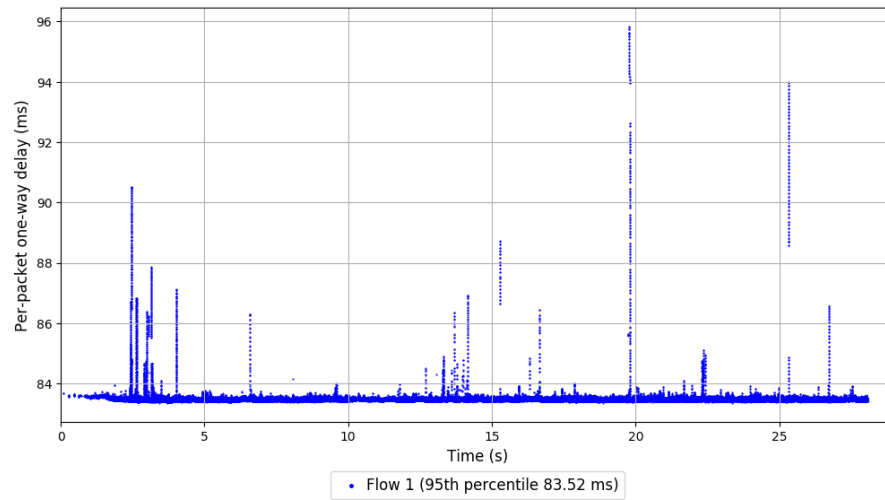
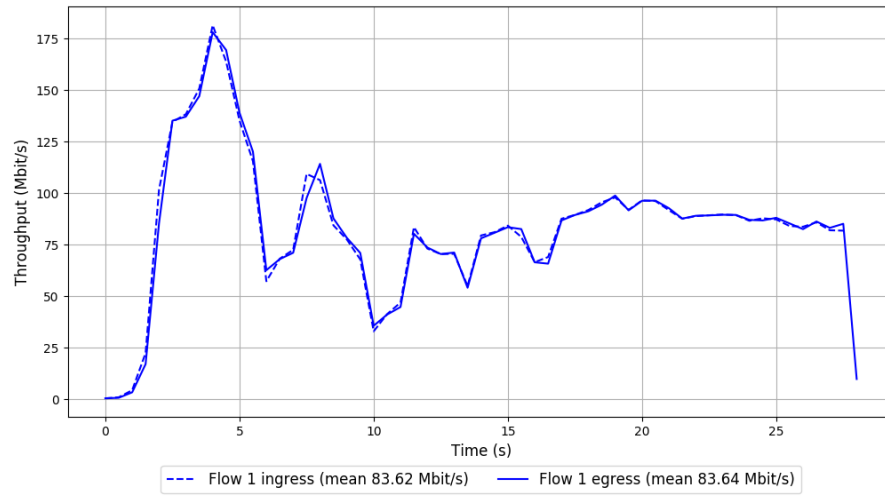


Run 2: Statistics of Copa

Start at: 2017-09-03 04:40:11  
End at: 2017-09-03 04:40:41  
Local clock offset: 0.283 ms  
Remote clock offset: -6.943 ms

# Below is generated by plot.py at 2017-09-03 08:27:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.64 Mbit/s  
95th percentile per-packet one-way delay: 83.524 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 83.64 Mbit/s  
95th percentile per-packet one-way delay: 83.524 ms  
Loss rate: 0.00%

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2017-09-03 05:00:17

End at: 2017-09-03 05:00:47

Local clock offset: 0.379 ms

Remote clock offset: -7.12 ms

# Below is generated by plot.py at 2017-09-03 08:27:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.82 Mbit/s

95th percentile per-packet one-way delay: 83.399 ms

Loss rate: 0.00%

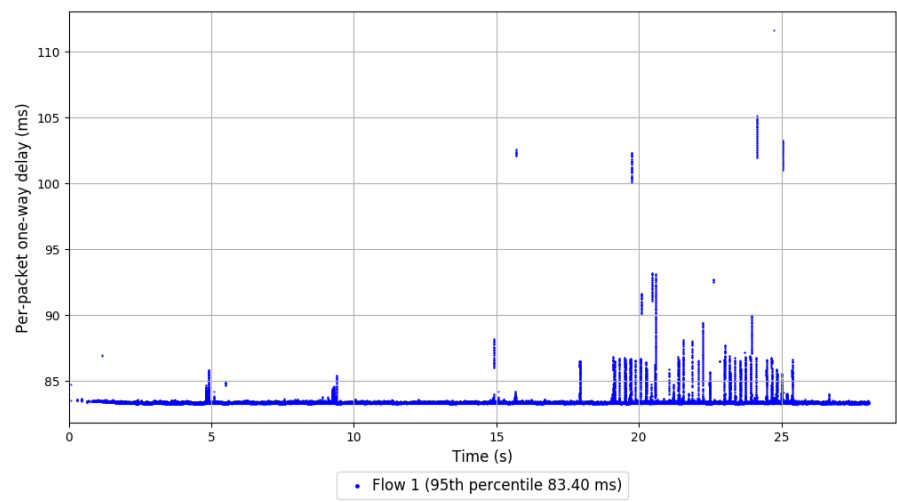
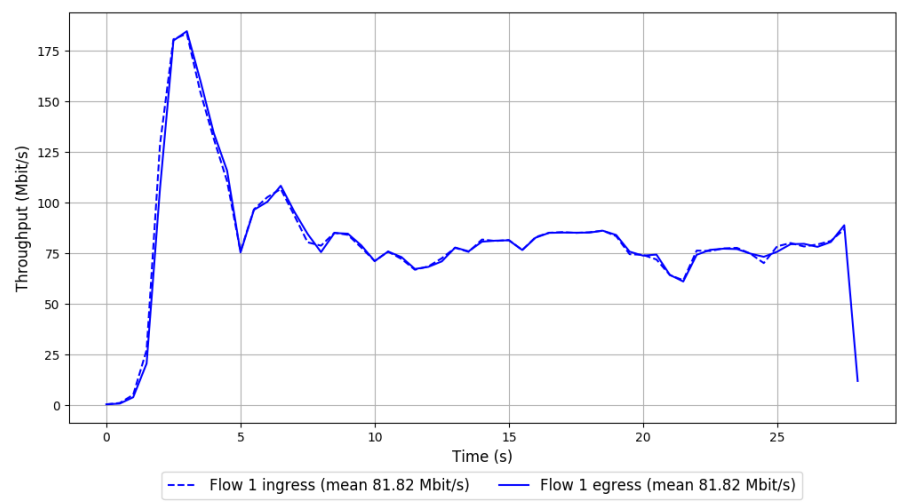
-- Flow 1:

Average throughput: 81.82 Mbit/s

95th percentile per-packet one-way delay: 83.399 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

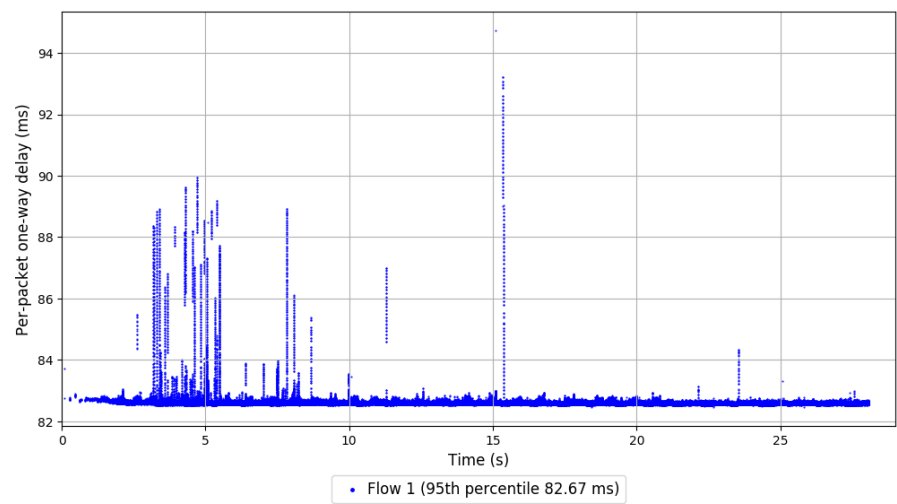
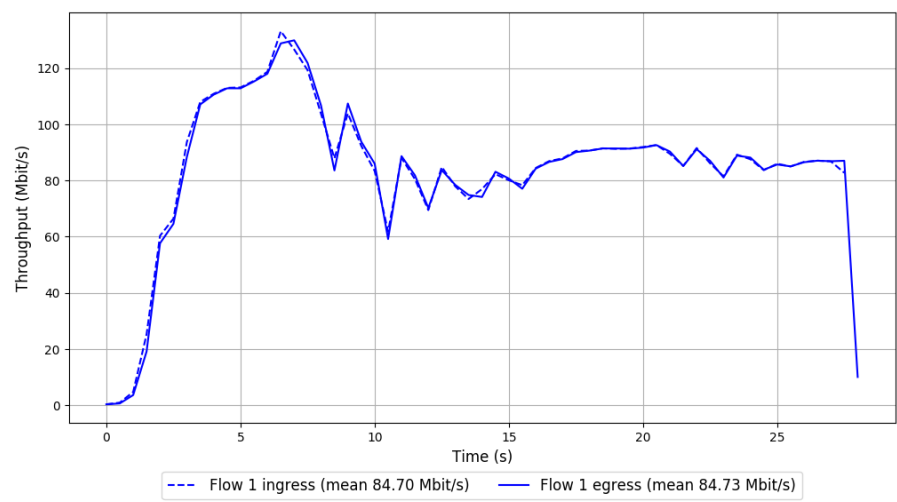


Run 4: Statistics of Copa

Start at: 2017-09-03 05:20:05  
End at: 2017-09-03 05:20:35  
Local clock offset: 0.424 ms  
Remote clock offset: -7.824 ms

# Below is generated by plot.py at 2017-09-03 08:27:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.73 Mbit/s  
95th percentile per-packet one-way delay: 82.667 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 84.73 Mbit/s  
95th percentile per-packet one-way delay: 82.667 ms  
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



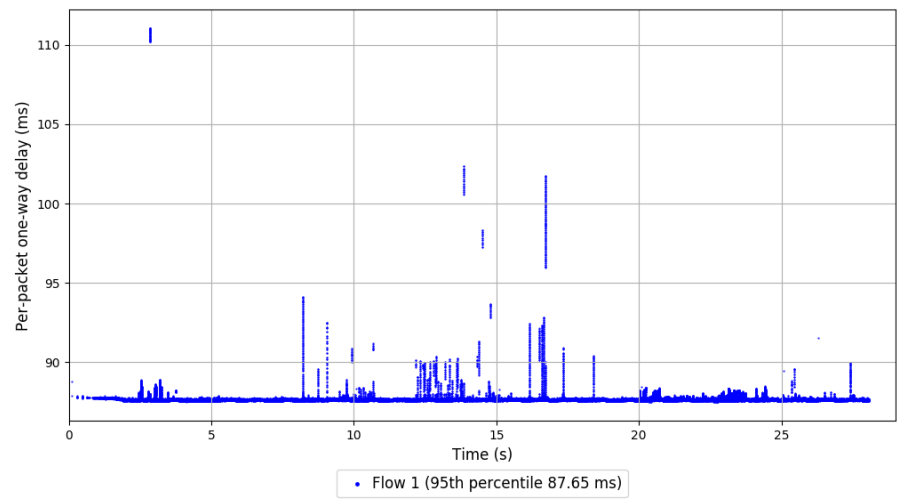
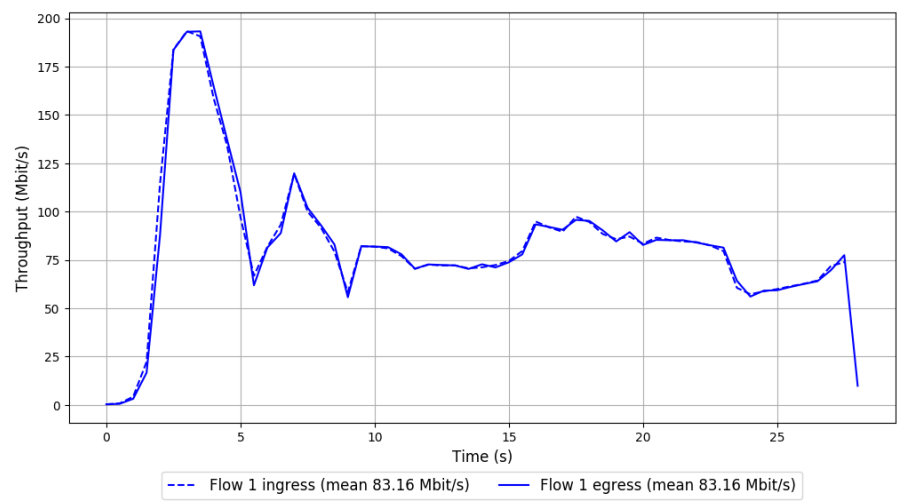
Run 5: Statistics of Copa

Start at: 2017-09-03 05:40:00  
End at: 2017-09-03 05:40:30  
Local clock offset: 0.355 ms  
Remote clock offset: -3.026 ms

# Below is generated by plot.py at 2017-09-03 08:27:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.16 Mbit/s  
95th percentile per-packet one-way delay: 87.648 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 83.16 Mbit/s  
95th percentile per-packet one-way delay: 87.648 ms  
Loss rate: 0.00%



Run 5: Report of Copa — Data Link

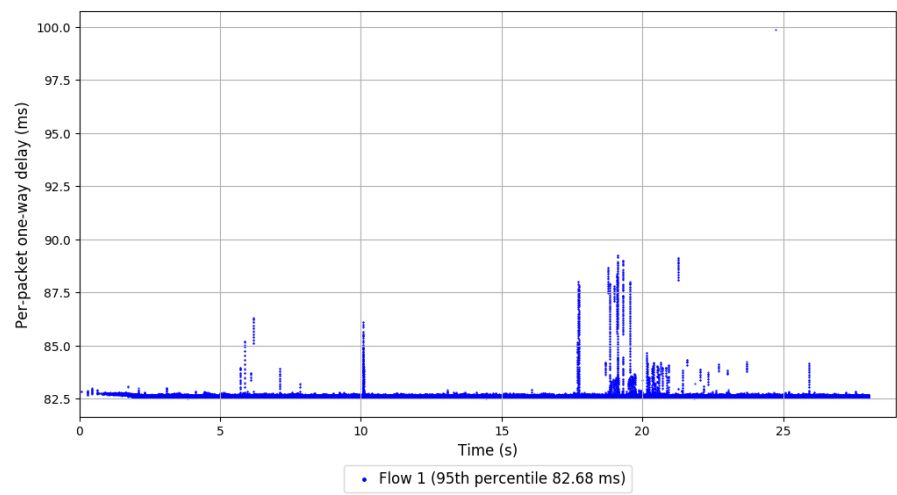
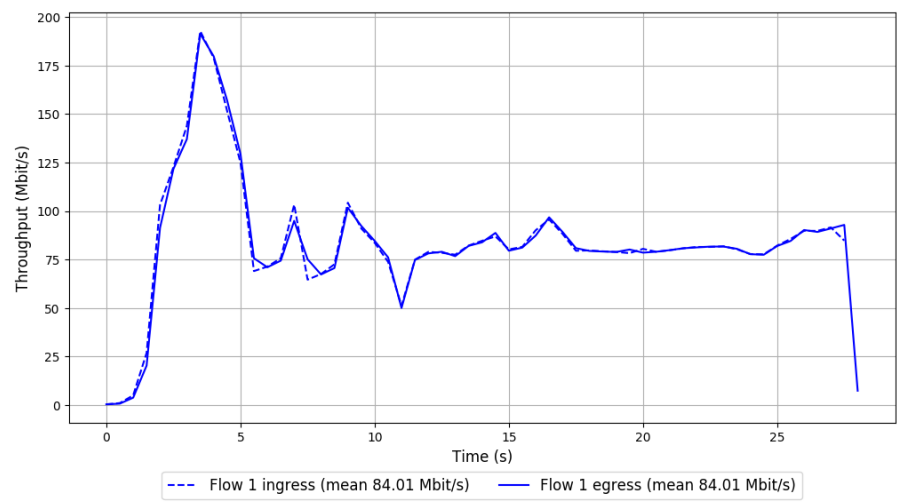


Run 6: Statistics of Copa

Start at: 2017-09-03 06:00:08  
End at: 2017-09-03 06:00:38  
Local clock offset: 0.381 ms  
Remote clock offset: -6.802 ms

# Below is generated by plot.py at 2017-09-03 08:28:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.01 Mbit/s  
95th percentile per-packet one-way delay: 82.676 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 84.01 Mbit/s  
95th percentile per-packet one-way delay: 82.676 ms  
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

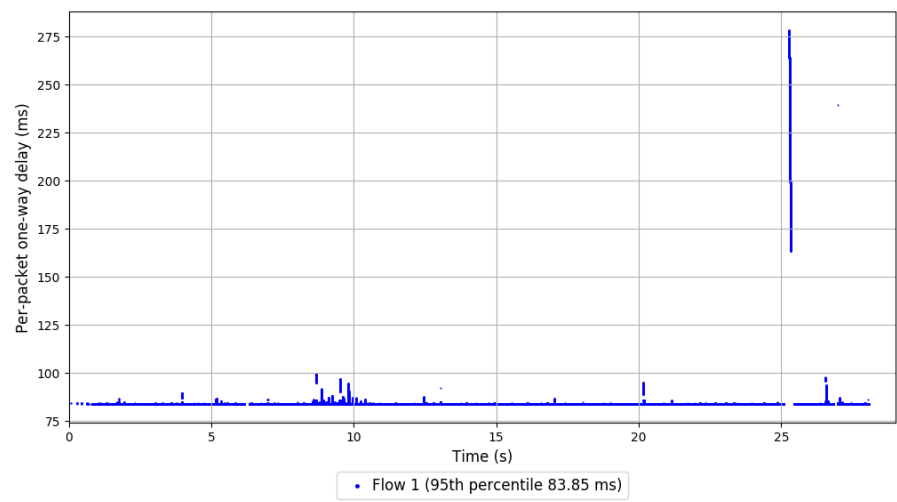
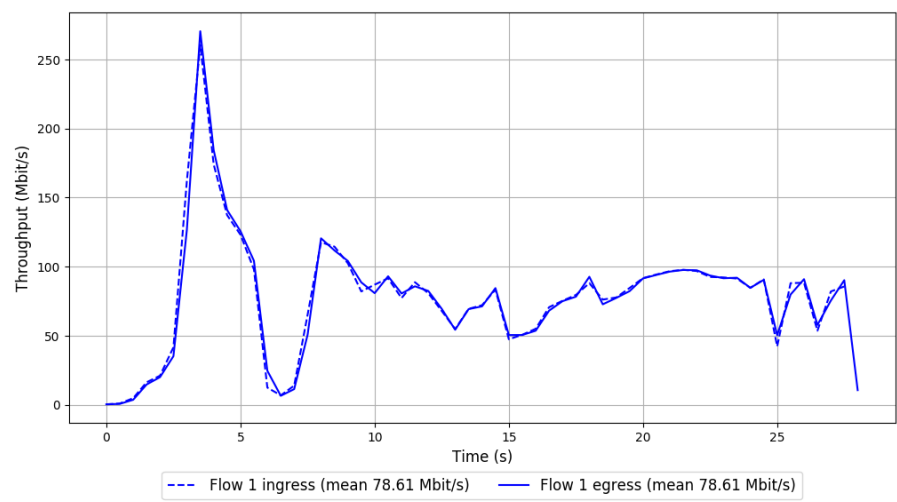


Run 7: Statistics of Copa

Start at: 2017-09-03 06:20:01  
End at: 2017-09-03 06:20:31  
Local clock offset: 0.336 ms  
Remote clock offset: -6.545 ms

# Below is generated by plot.py at 2017-09-03 08:28:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.61 Mbit/s  
95th percentile per-packet one-way delay: 83.853 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 78.61 Mbit/s  
95th percentile per-packet one-way delay: 83.853 ms  
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

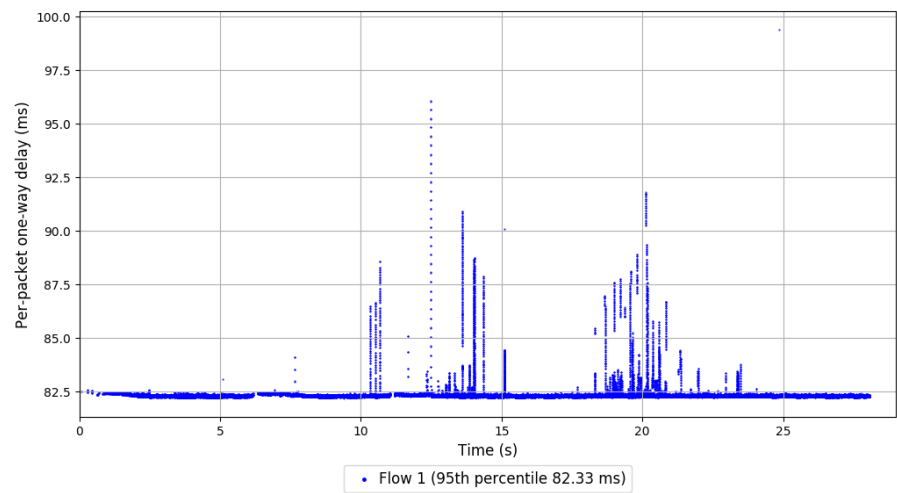
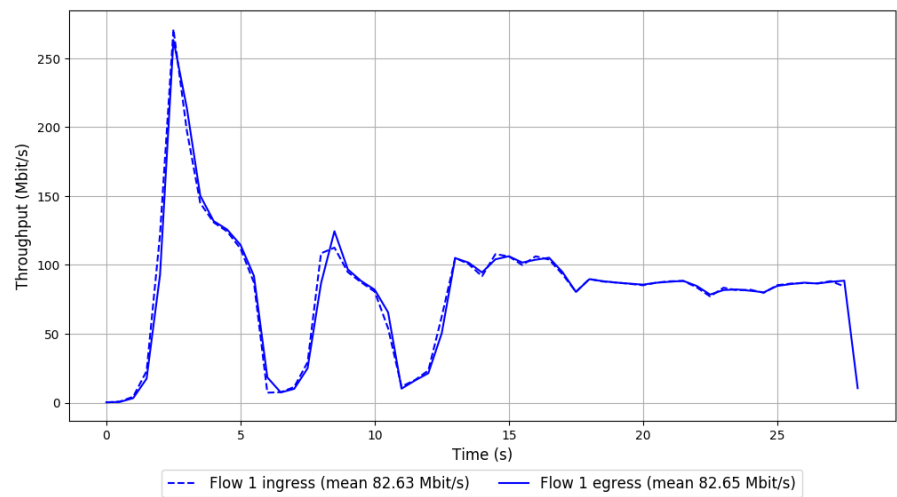


Run 8: Statistics of Copa

Start at: 2017-09-03 06:40:18  
End at: 2017-09-03 06:40:48  
Local clock offset: 0.355 ms  
Remote clock offset: -7.288 ms

# Below is generated by plot.py at 2017-09-03 08:28:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.65 Mbit/s  
95th percentile per-packet one-way delay: 82.334 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 82.65 Mbit/s  
95th percentile per-packet one-way delay: 82.334 ms  
Loss rate: 0.00%

Run 8: Report of Copa — Data Link



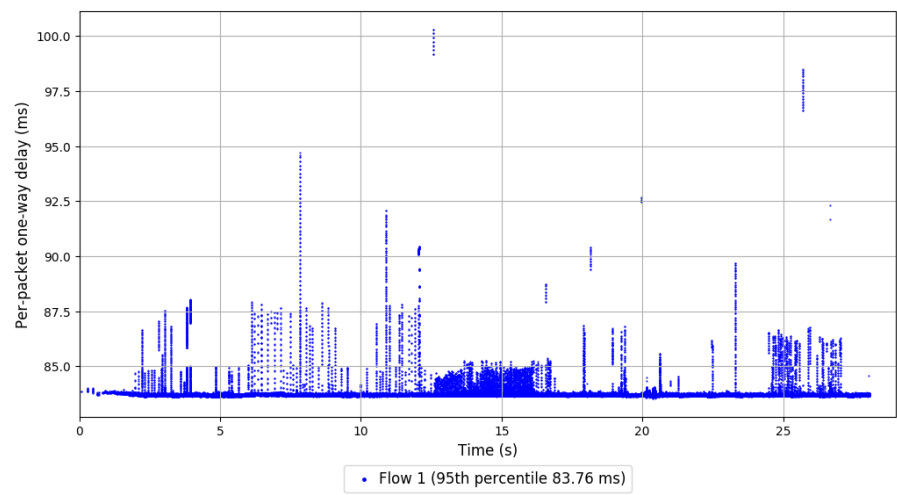
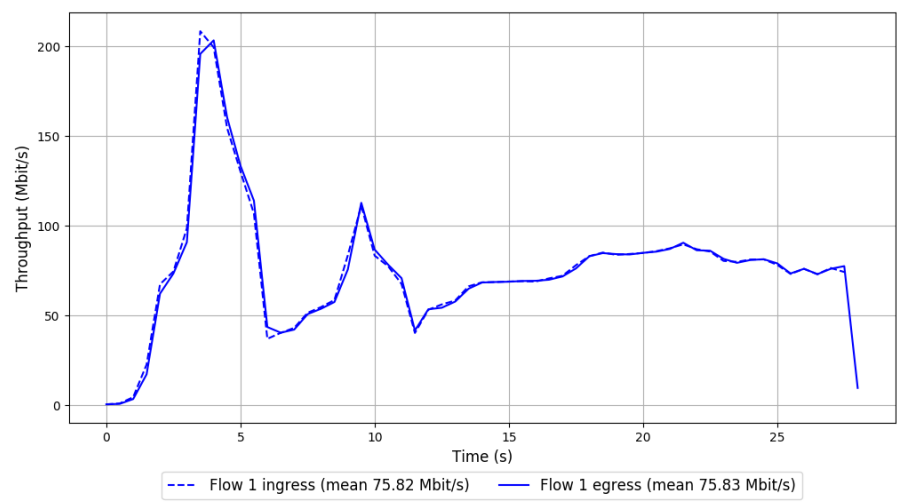
Run 9: Statistics of Copa

Start at: 2017-09-03 06:59:45  
End at: 2017-09-03 07:00:16  
Local clock offset: 0.405 ms  
Remote clock offset: -6.347 ms

# Below is generated by plot.py at 2017-09-03 08:28:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.83 Mbit/s  
95th percentile per-packet one-way delay: 83.761 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 75.83 Mbit/s  
95th percentile per-packet one-way delay: 83.761 ms  
Loss rate: 0.00%



Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2017-09-03 07:20:03

End at: 2017-09-03 07:20:33

Local clock offset: 0.461 ms

Remote clock offset: -7.165 ms

# Below is generated by plot.py at 2017-09-03 08:28:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.01 Mbit/s

95th percentile per-packet one-way delay: 82.592 ms

Loss rate: 0.00%

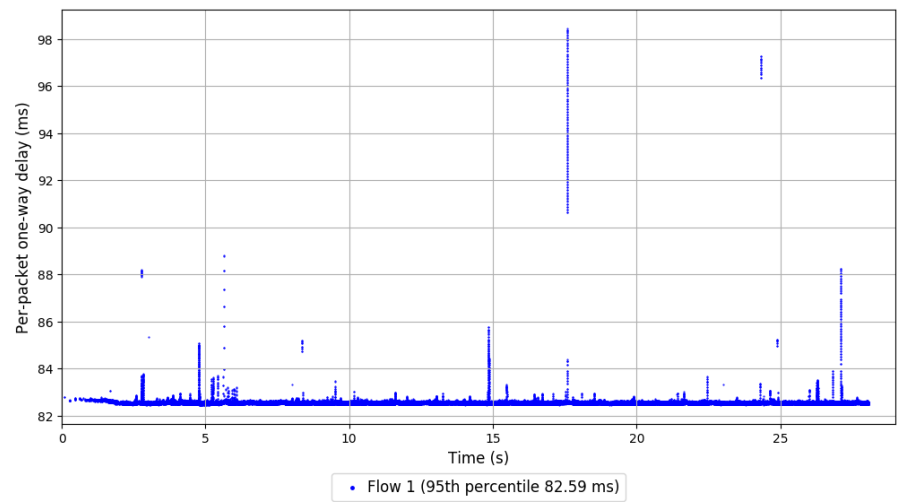
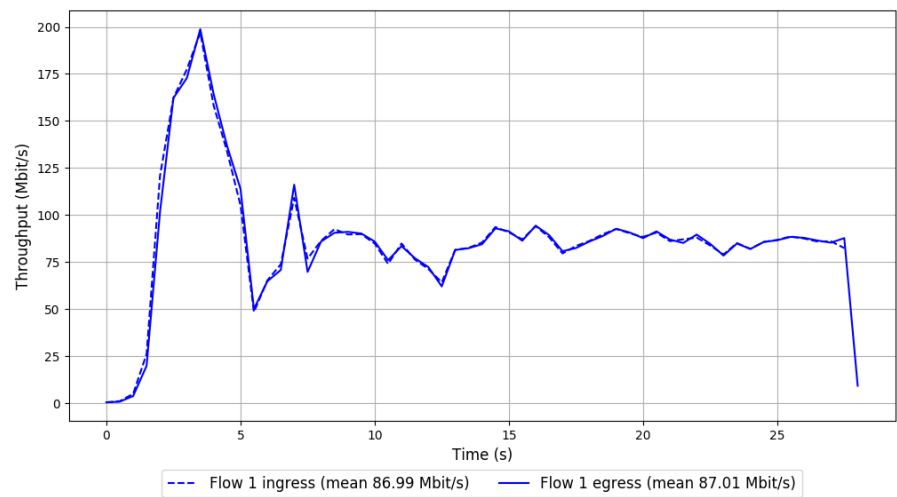
-- Flow 1:

Average throughput: 87.01 Mbit/s

95th percentile per-packet one-way delay: 82.592 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

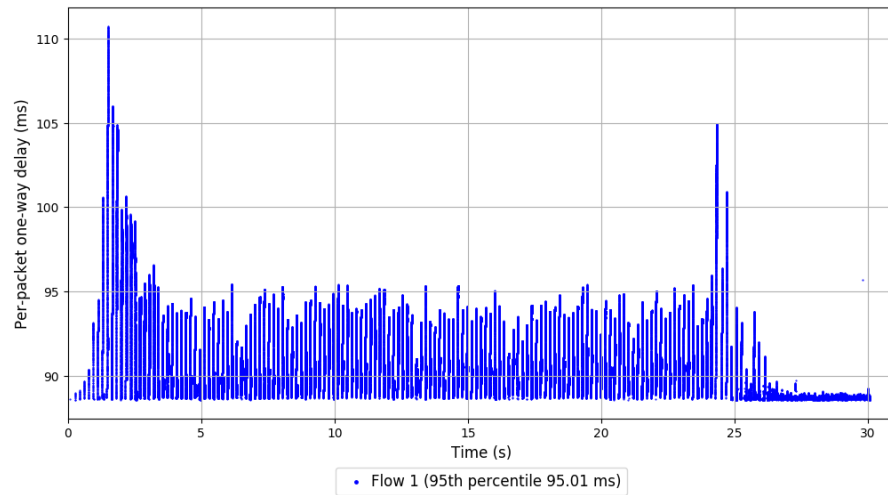
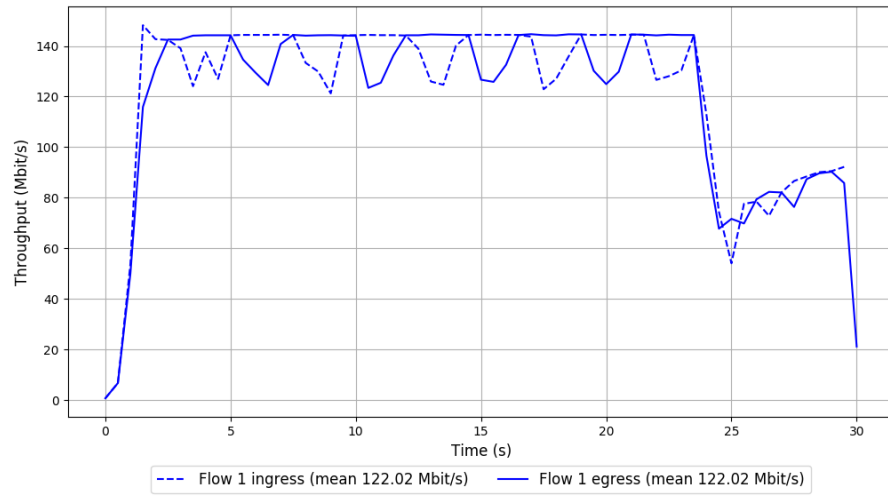


Run 1: Statistics of TCP Cubic

Start at: 2017-09-03 04:25:36  
End at: 2017-09-03 04:26:06  
Local clock offset: 0.191 ms  
Remote clock offset: -1.886 ms

# Below is generated by plot.py at 2017-09-03 08:28:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 122.02 Mbit/s  
95th percentile per-packet one-way delay: 95.013 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 122.02 Mbit/s  
95th percentile per-packet one-way delay: 95.013 ms  
Loss rate: 0.00%

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

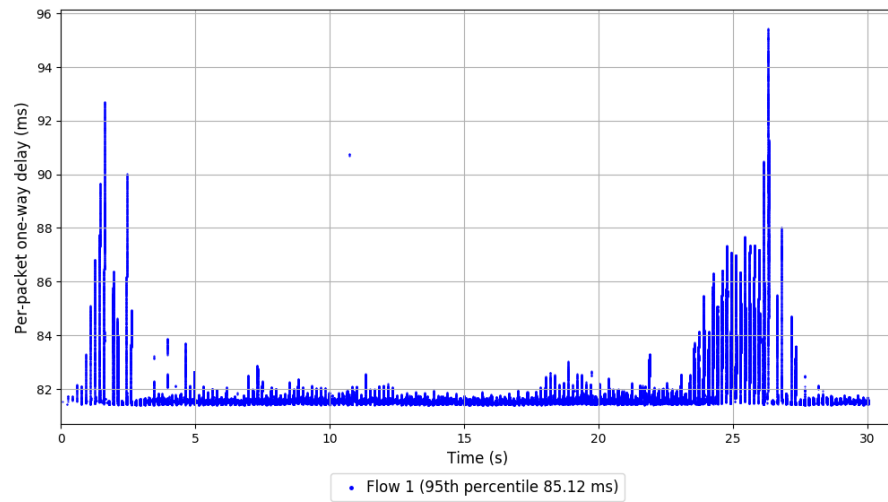
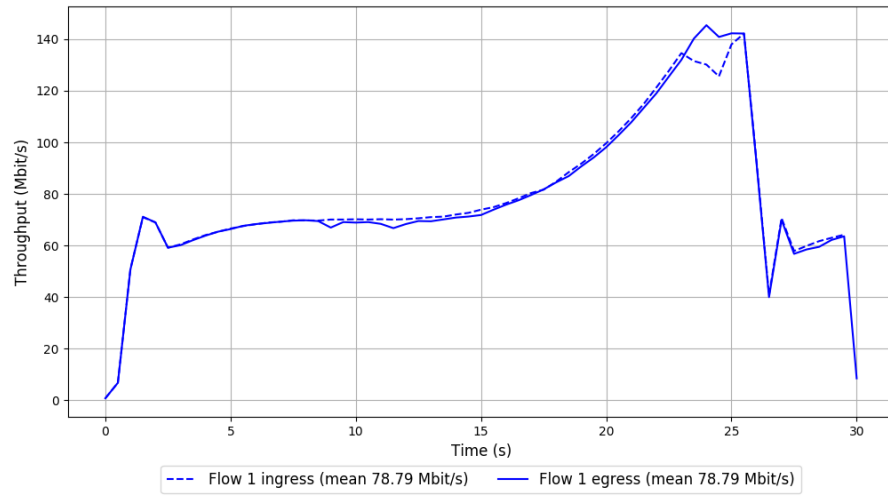


Run 2: Statistics of TCP Cubic

Start at: 2017-09-03 04:45:42  
End at: 2017-09-03 04:46:12  
Local clock offset: 0.326 ms  
Remote clock offset: -7.874 ms

# Below is generated by plot.py at 2017-09-03 08:28:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.79 Mbit/s  
95th percentile per-packet one-way delay: 85.121 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 78.79 Mbit/s  
95th percentile per-packet one-way delay: 85.121 ms  
Loss rate: 0.00%

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



Run 3: Statistics of TCP Cubic

Start at: 2017-09-03 05:05:24

End at: 2017-09-03 05:05:54

Local clock offset: 0.374 ms

Remote clock offset: -7.045 ms

# Below is generated by plot.py at 2017-09-03 08:29:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 108.48 Mbit/s

95th percentile per-packet one-way delay: 89.690 ms

Loss rate: 0.00%

-- Flow 1:

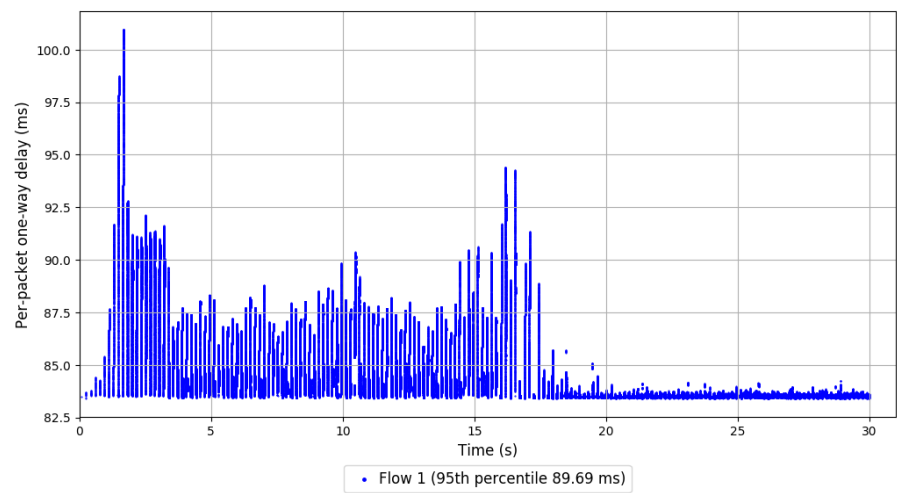
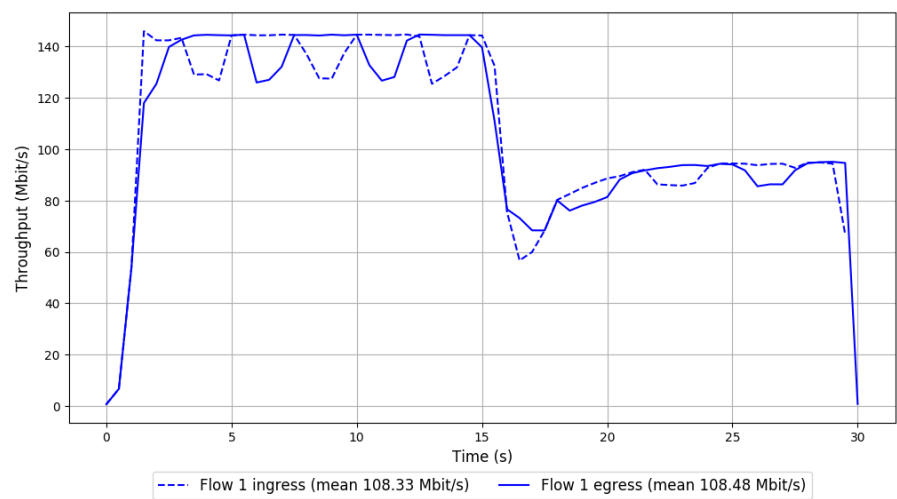
Average throughput: 108.48 Mbit/s

95th percentile per-packet one-way delay: 89.690 ms

Loss rate: 0.00%



Run 3: Report of TCP Cubic — Data Link

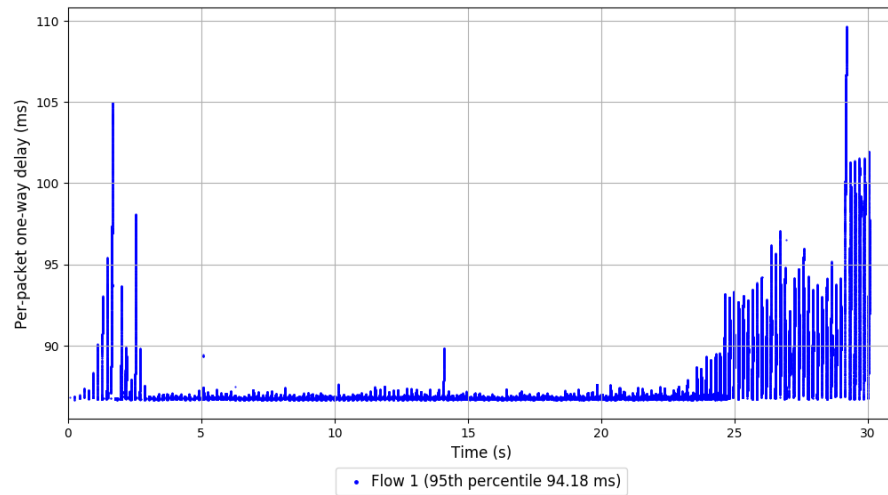
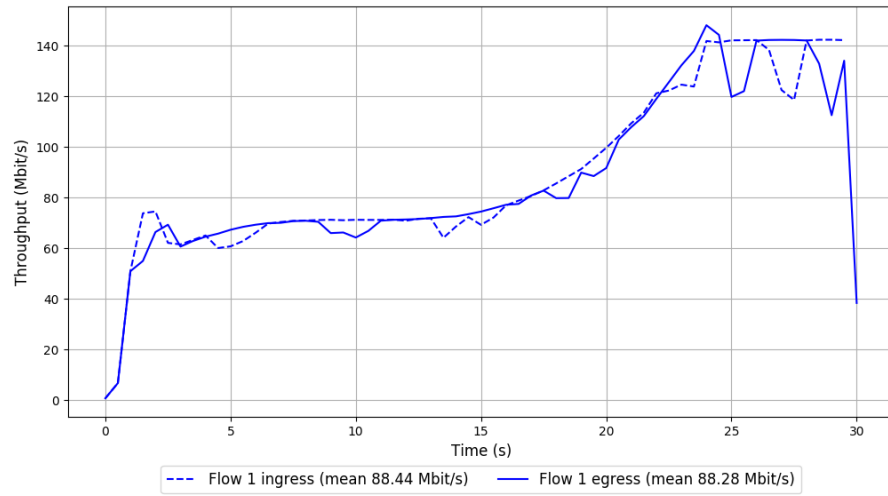


Run 4: Statistics of TCP Cubic

Start at: 2017-09-03 05:25:34  
End at: 2017-09-03 05:26:04  
Local clock offset: 0.42 ms  
Remote clock offset: -2.891 ms

# Below is generated by plot.py at 2017-09-03 08:29:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.28 Mbit/s  
95th percentile per-packet one-way delay: 94.177 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 88.28 Mbit/s  
95th percentile per-packet one-way delay: 94.177 ms  
Loss rate: 0.17%

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

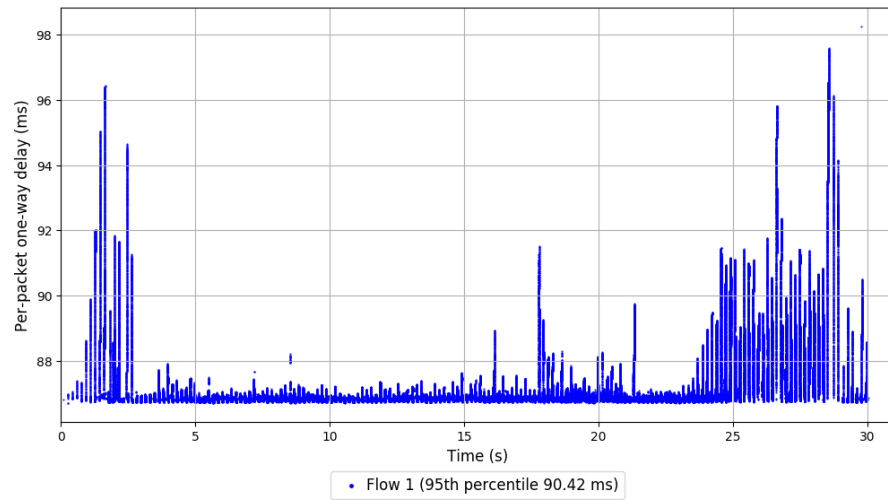
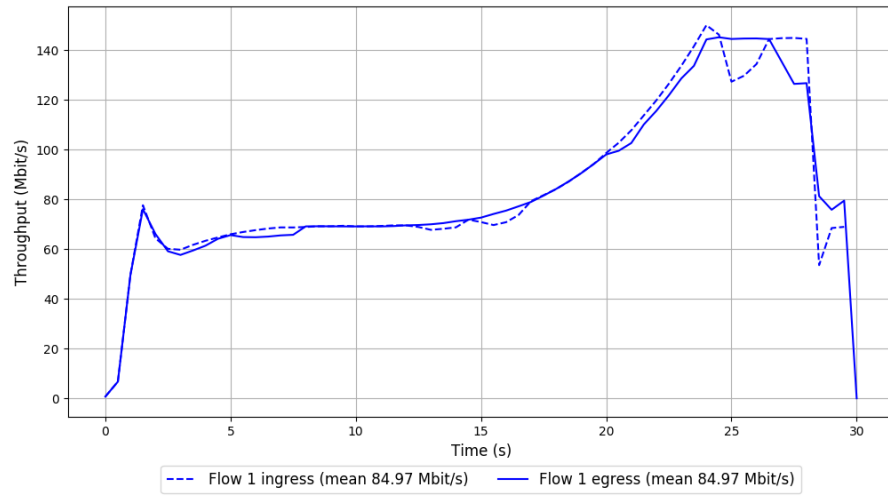


Run 5: Statistics of TCP Cubic

Start at: 2017-09-03 05:45:31  
End at: 2017-09-03 05:46:01  
Local clock offset: 0.336 ms  
Remote clock offset: -2.963 ms

# Below is generated by plot.py at 2017-09-03 08:29:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.97 Mbit/s  
95th percentile per-packet one-way delay: 90.416 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 84.97 Mbit/s  
95th percentile per-packet one-way delay: 90.416 ms  
Loss rate: 0.00%

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

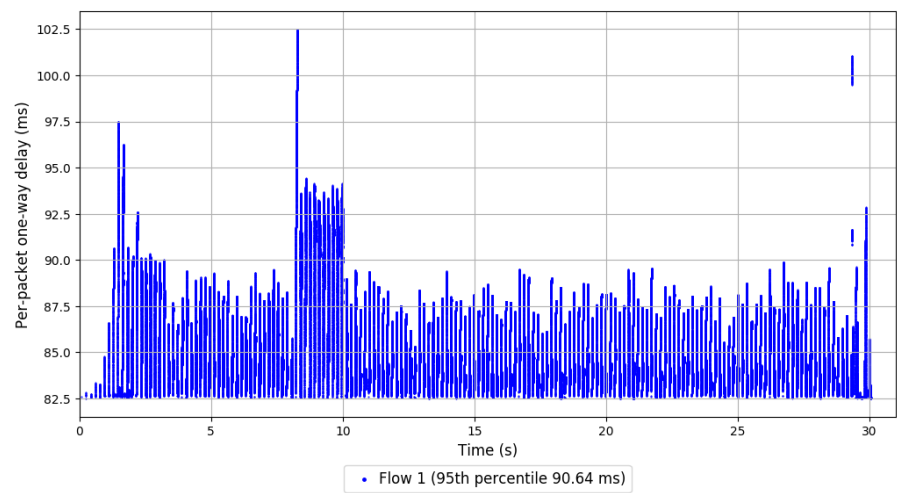
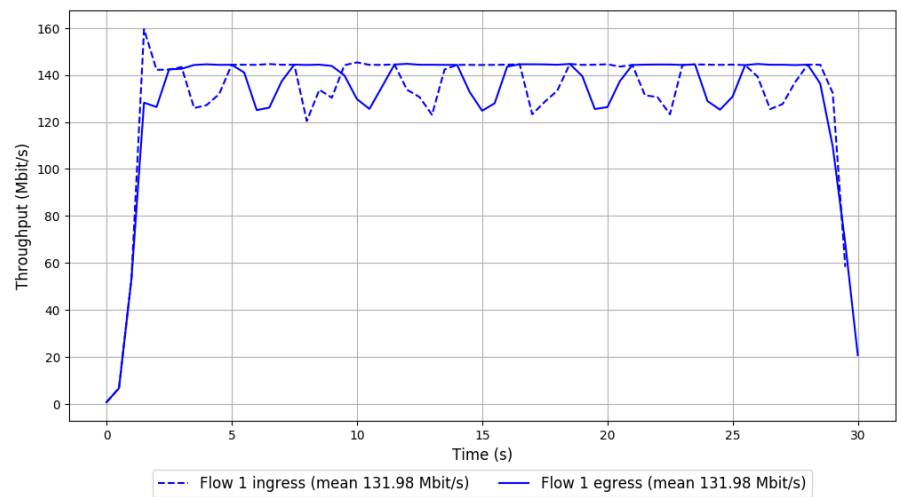


Run 6: Statistics of TCP Cubic

Start at: 2017-09-03 06:05:28  
End at: 2017-09-03 06:05:58  
Local clock offset: 0.35 ms  
Remote clock offset: -7.681 ms

# Below is generated by plot.py at 2017-09-03 08:29:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 131.98 Mbit/s  
95th percentile per-packet one-way delay: 90.641 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 131.98 Mbit/s  
95th percentile per-packet one-way delay: 90.641 ms  
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



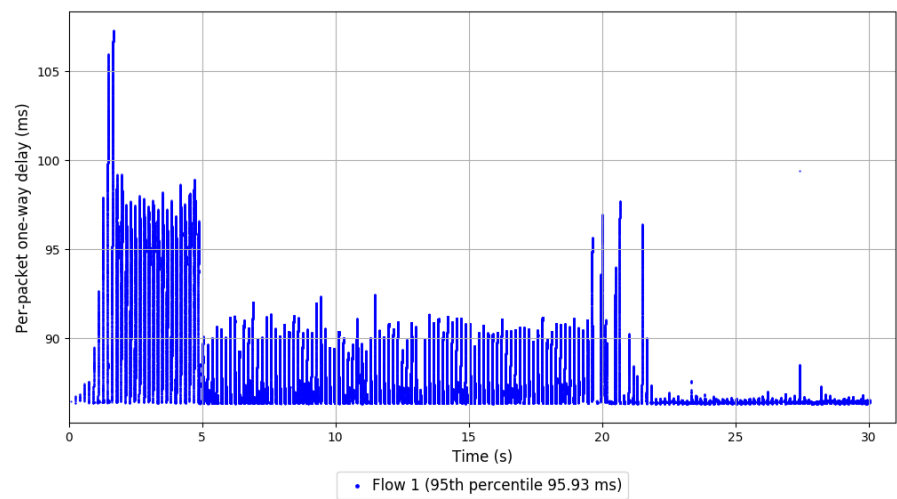
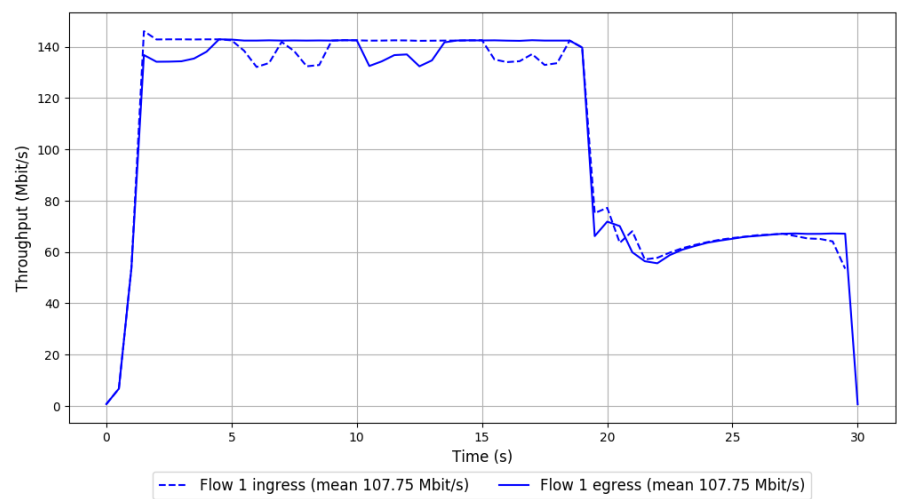
Run 7: Statistics of TCP Cubic

Start at: 2017-09-03 06:25:26  
End at: 2017-09-03 06:25:56  
Local clock offset: 0.372 ms  
Remote clock offset: -2.568 ms

# Below is generated by plot.py at 2017-09-03 08:29:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 107.75 Mbit/s  
95th percentile per-packet one-way delay: 95.933 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 107.75 Mbit/s  
95th percentile per-packet one-way delay: 95.933 ms  
Loss rate: 0.00%



Run 7: Report of TCP Cubic — Data Link

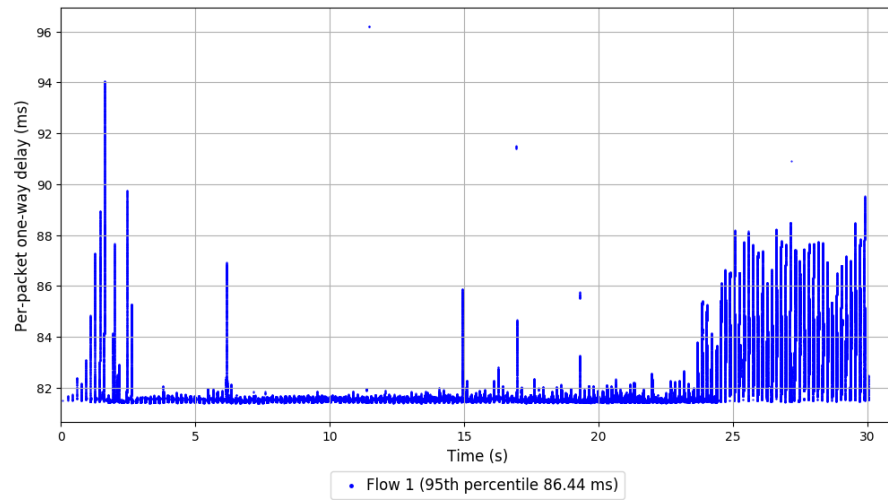
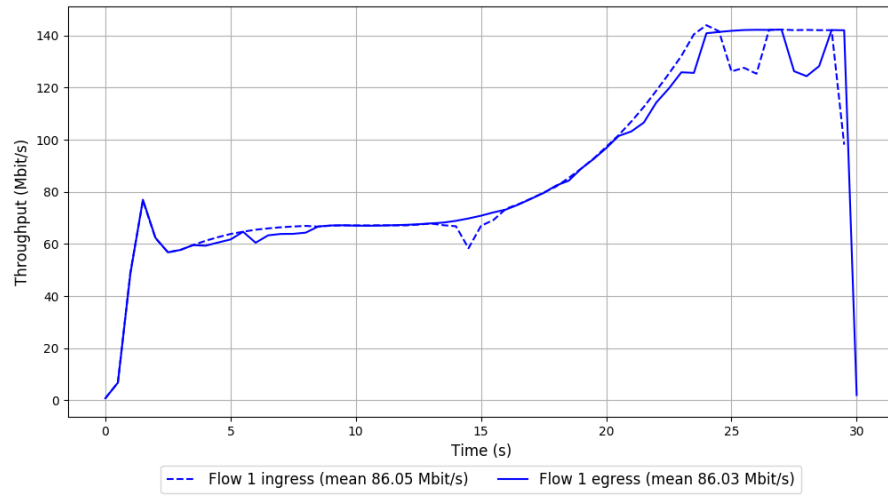


Run 8: Statistics of TCP Cubic

Start at: 2017-09-03 06:45:30  
End at: 2017-09-03 06:46:00  
Local clock offset: 0.444 ms  
Remote clock offset: -7.263 ms

# Below is generated by plot.py at 2017-09-03 08:29:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.03 Mbit/s  
95th percentile per-packet one-way delay: 86.444 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 86.03 Mbit/s  
95th percentile per-packet one-way delay: 86.444 ms  
Loss rate: 0.03%

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

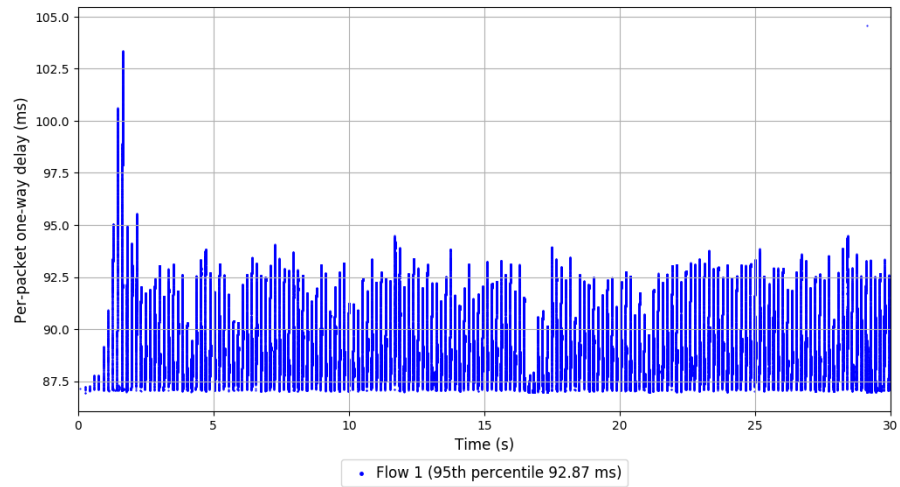
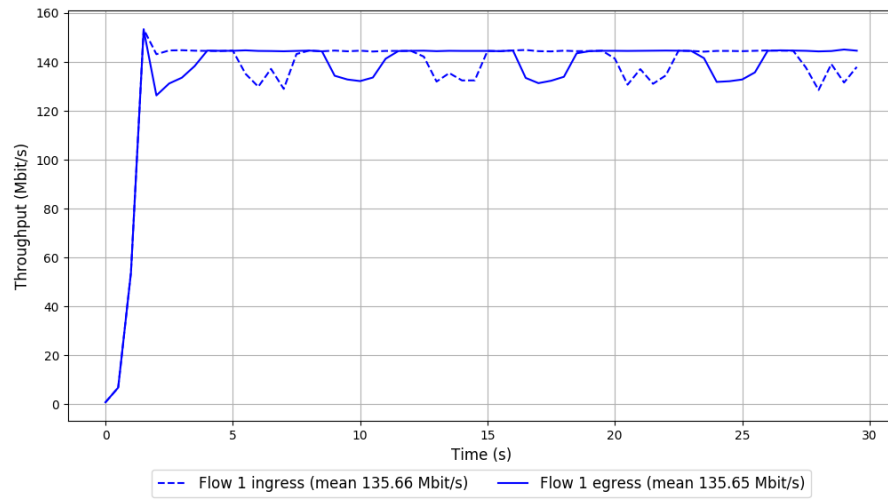


Run 9: Statistics of TCP Cubic

Start at: 2017-09-03 07:05:08  
End at: 2017-09-03 07:05:38  
Local clock offset: 0.426 ms  
Remote clock offset: -2.442 ms

# Below is generated by plot.py at 2017-09-03 08:29:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 135.65 Mbit/s  
95th percentile per-packet one-way delay: 92.873 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 135.65 Mbit/s  
95th percentile per-packet one-way delay: 92.873 ms  
Loss rate: 0.00%

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



Run 10: Statistics of TCP Cubic

Start at: 2017-09-03 07:25:16

End at: 2017-09-03 07:25:46

Local clock offset: 0.393 ms

Remote clock offset: -7.11 ms

# Below is generated by plot.py at 2017-09-03 08:29:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 134.04 Mbit/s

95th percentile per-packet one-way delay: 89.453 ms

Loss rate: 0.00%

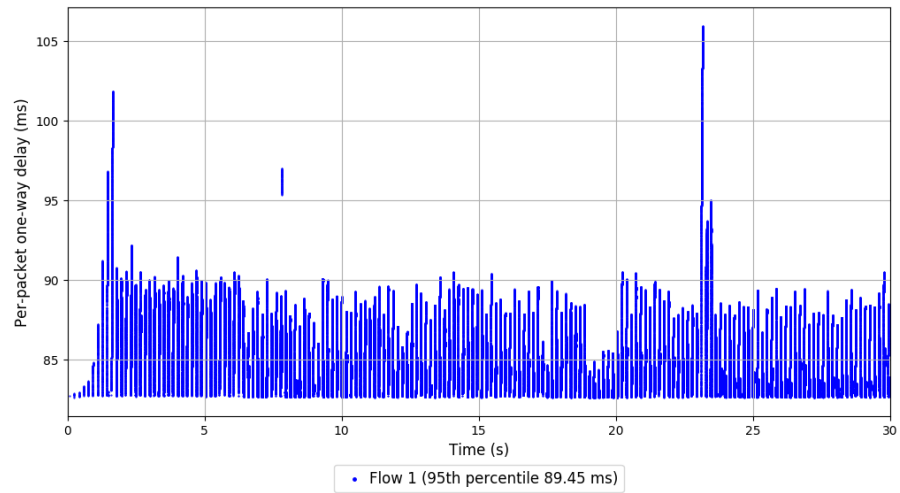
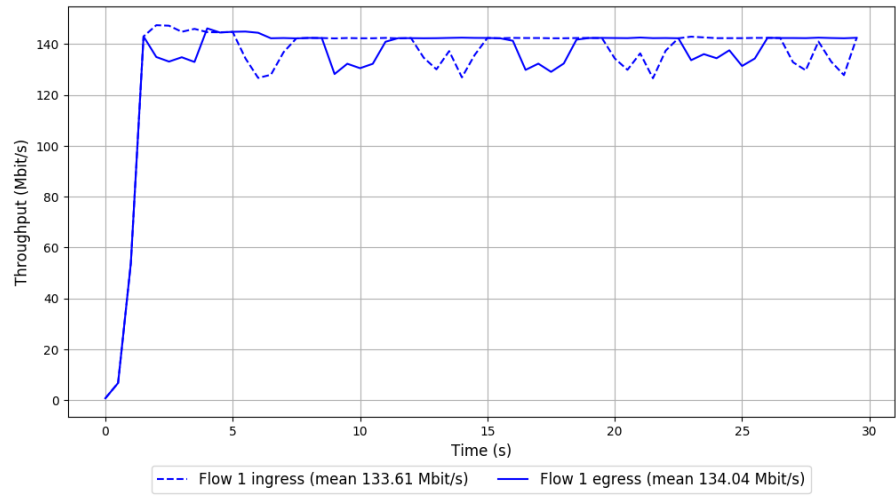
-- Flow 1:

Average throughput: 134.04 Mbit/s

95th percentile per-packet one-way delay: 89.453 ms

Loss rate: 0.00%

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



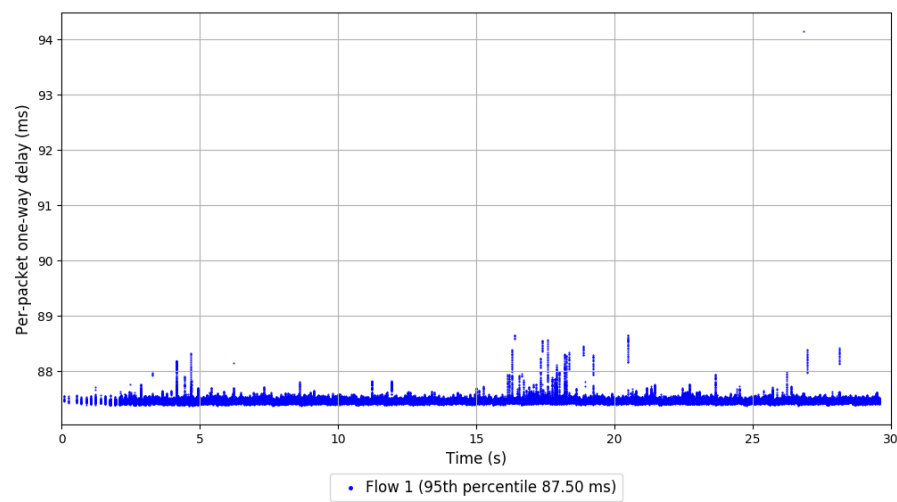
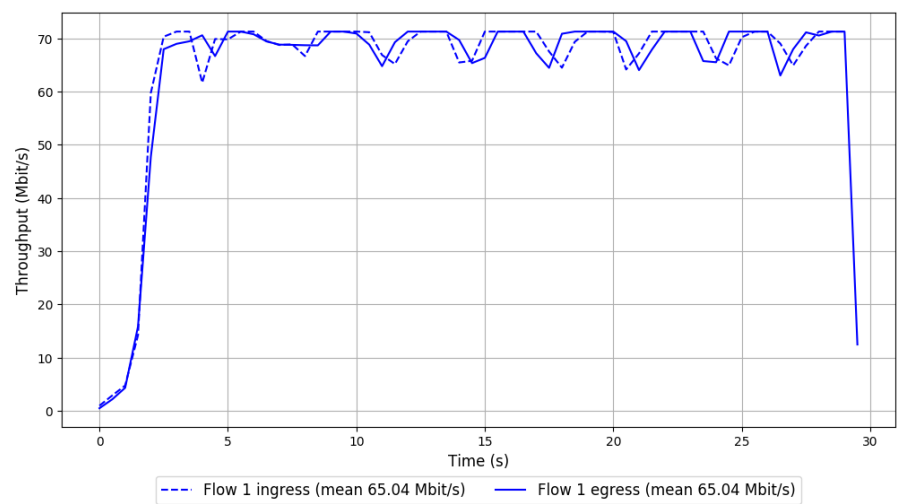
```
Run 1: Statistics of Indigo

Start at: 2017-09-03 04:08:44
End at: 2017-09-03 04:09:14
Local clock offset: 0.277 ms
Remote clock offset: -1.675 ms

# Below is generated by plot.py at 2017-09-03 08:29:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.04 Mbit/s
95th percentile per-packet one-way delay: 87.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.04 Mbit/s
95th percentile per-packet one-way delay: 87.502 ms
Loss rate: 0.00%
```



Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-09-03 04:28:13

End at: 2017-09-03 04:28:43

Local clock offset: 0.269 ms

Remote clock offset: -7.708 ms

# Below is generated by plot.py at 2017-09-03 08:30:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.85 Mbit/s

95th percentile per-packet one-way delay: 81.769 ms

Loss rate: 0.00%

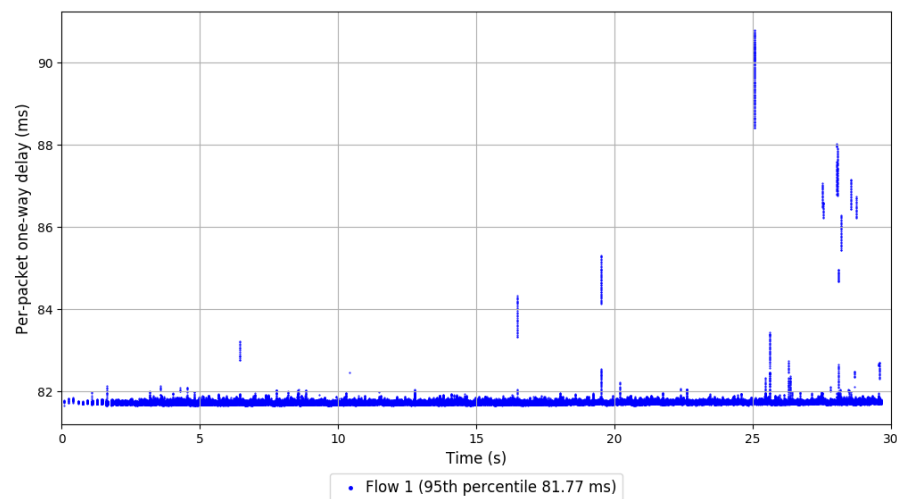
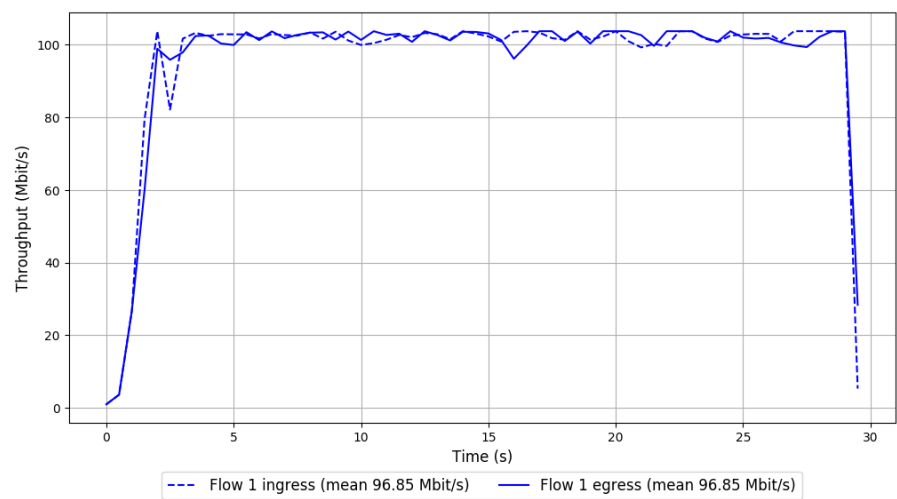
-- Flow 1:

Average throughput: 96.85 Mbit/s

95th percentile per-packet one-way delay: 81.769 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

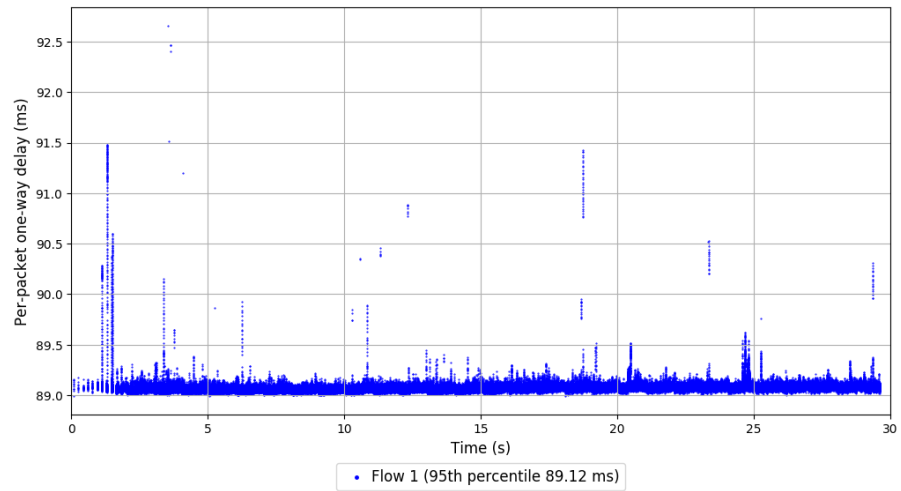
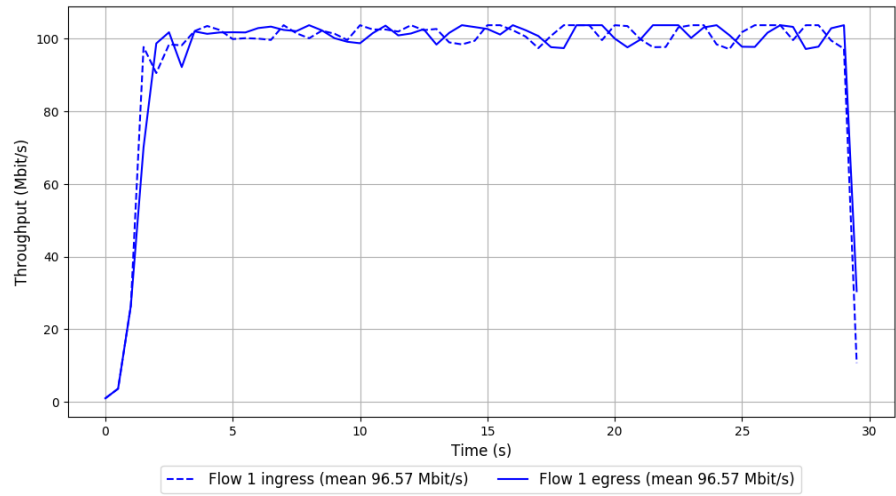


Run 3: Statistics of Indigo

Start at: 2017-09-03 04:48:19  
End at: 2017-09-03 04:48:49  
Local clock offset: 0.307 ms  
Remote clock offset: -2.152 ms

# Below is generated by plot.py at 2017-09-03 08:30:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.57 Mbit/s  
95th percentile per-packet one-way delay: 89.118 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.57 Mbit/s  
95th percentile per-packet one-way delay: 89.118 ms  
Loss rate: 0.00%

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

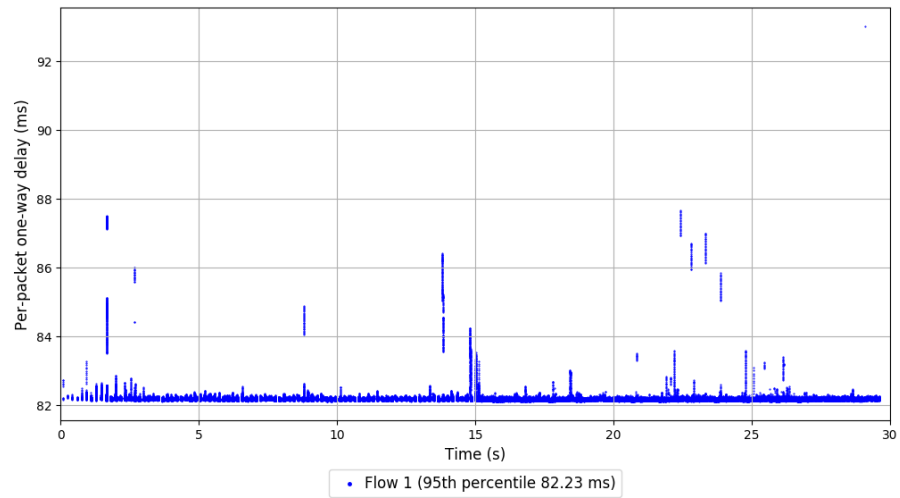
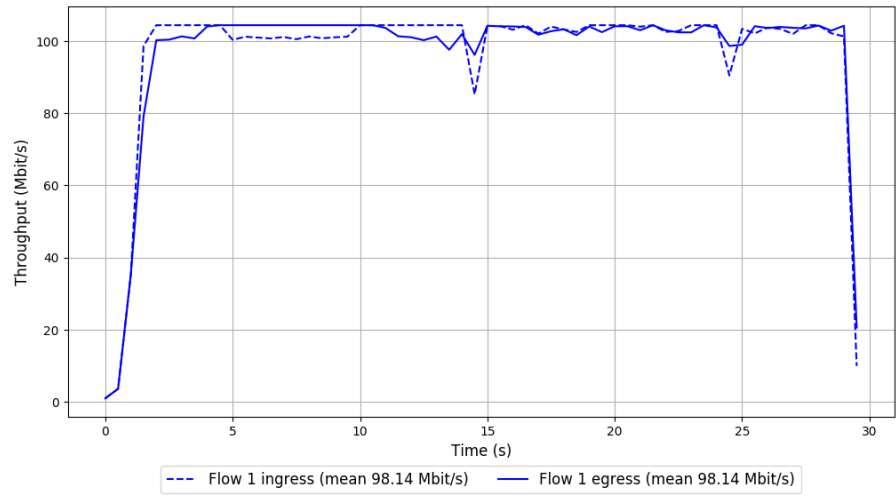


Run 4: Statistics of Indigo

Start at: 2017-09-03 05:08:00  
End at: 2017-09-03 05:08:30  
Local clock offset: 0.366 ms  
Remote clock offset: -6.969 ms

# Below is generated by plot.py at 2017-09-03 08:30:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 98.14 Mbit/s  
95th percentile per-packet one-way delay: 82.227 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 98.14 Mbit/s  
95th percentile per-packet one-way delay: 82.227 ms  
Loss rate: 0.00%

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



Run 5: Statistics of Indigo

Start at: 2017-09-03 05:28:11

End at: 2017-09-03 05:28:41

Local clock offset: 0.427 ms

Remote clock offset: -3.83 ms

# Below is generated by plot.py at 2017-09-03 08:30:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.17 Mbit/s

95th percentile per-packet one-way delay: 85.655 ms

Loss rate: 0.00%

-- Flow 1:

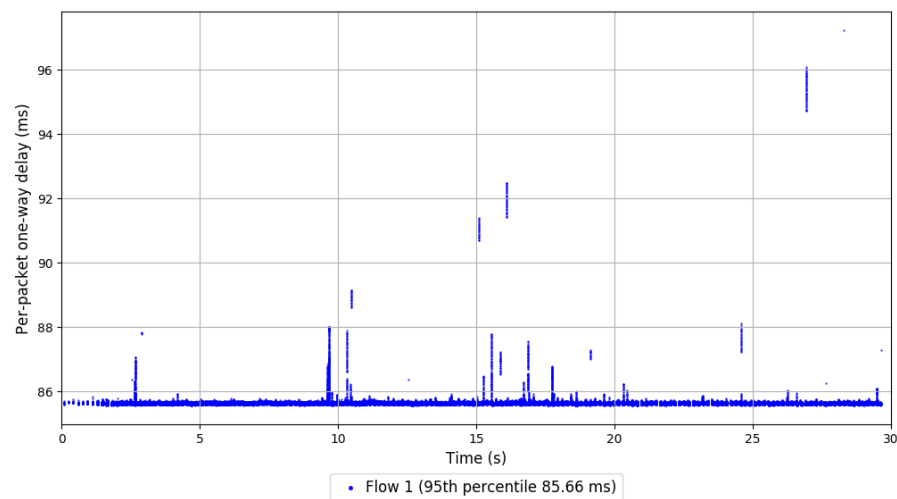
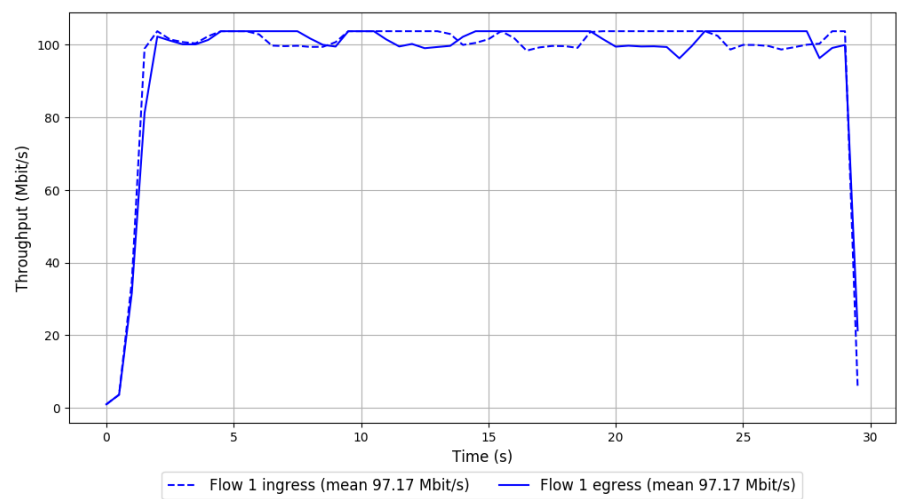
Average throughput: 97.17 Mbit/s

95th percentile per-packet one-way delay: 85.655 ms

Loss rate: 0.00%



Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-09-03 05:48:05

End at: 2017-09-03 05:48:35

Local clock offset: 0.355 ms

Remote clock offset: -7.834 ms

# Below is generated by plot.py at 2017-09-03 08:30:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.59 Mbit/s

95th percentile per-packet one-way delay: 82.817 ms

Loss rate: 0.00%

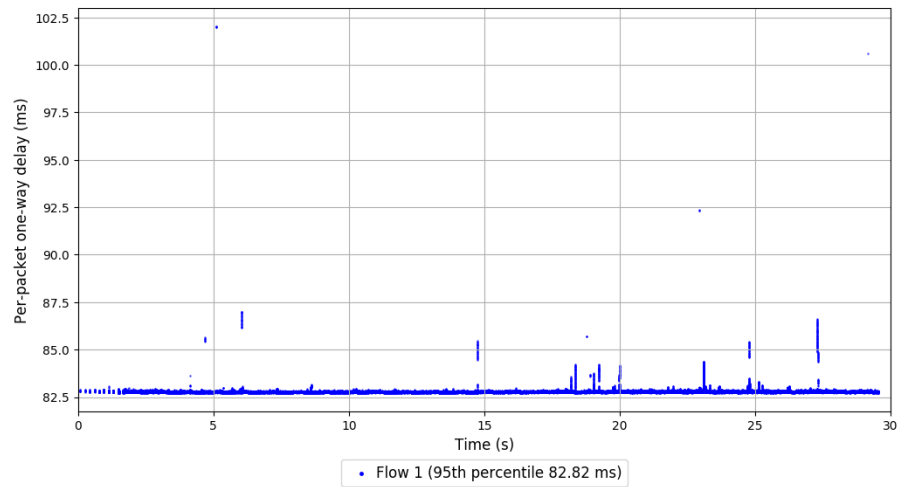
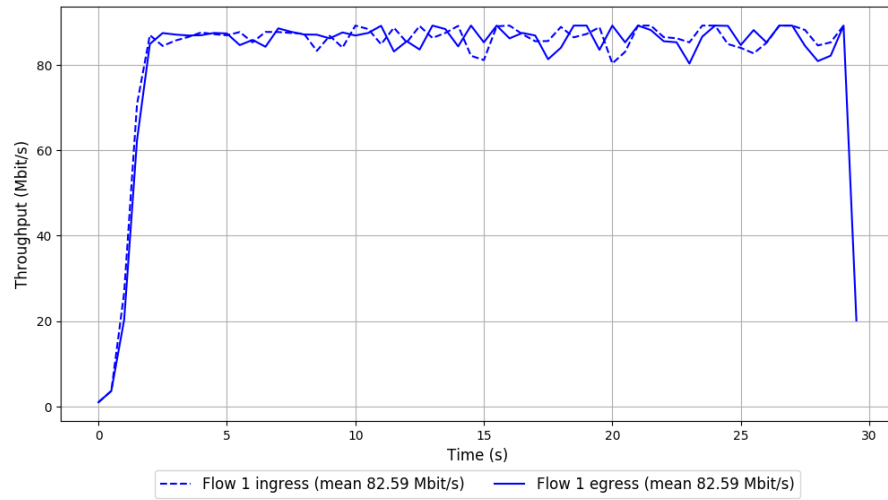
-- Flow 1:

Average throughput: 82.59 Mbit/s

95th percentile per-packet one-way delay: 82.817 ms

Loss rate: 0.00%

## Run 6: Report of Indigo — Data Link

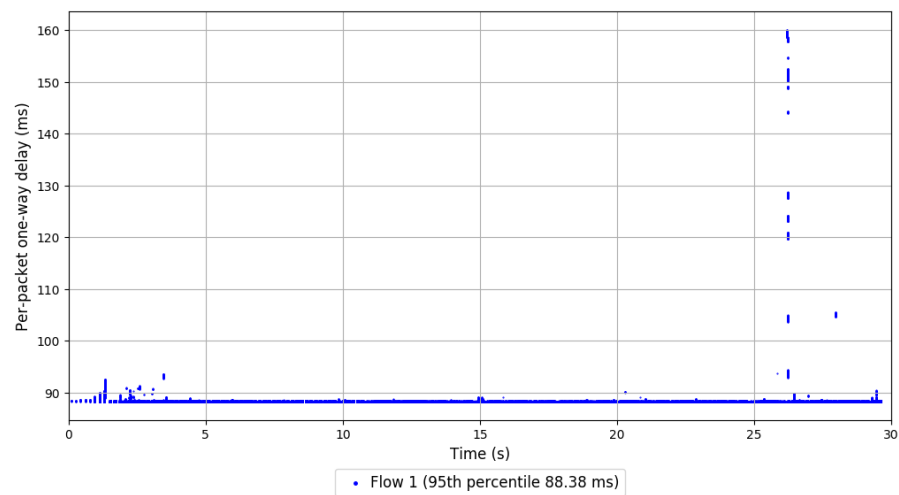
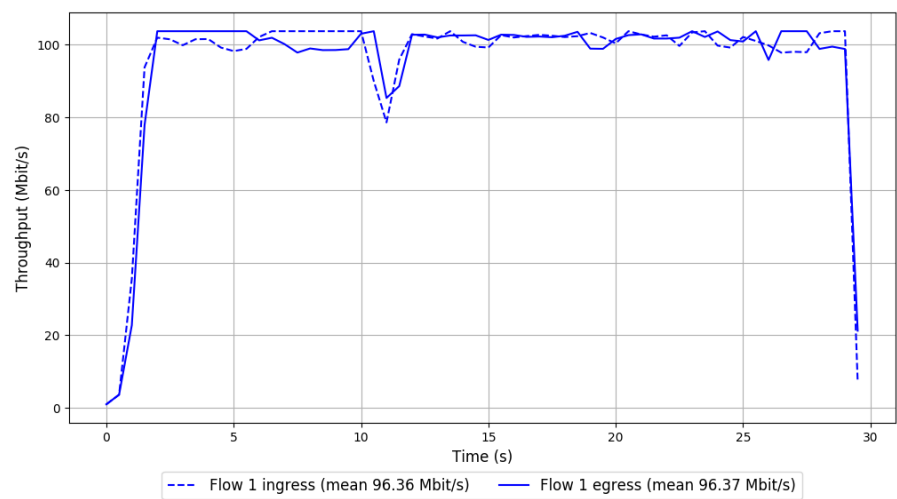


Run 7: Statistics of Indigo

Start at: 2017-09-03 06:08:09  
End at: 2017-09-03 06:08:39  
Local clock offset: 0.313 ms  
Remote clock offset: -1.856 ms

# Below is generated by plot.py at 2017-09-03 08:30:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.37 Mbit/s  
95th percentile per-packet one-way delay: 88.375 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.37 Mbit/s  
95th percentile per-packet one-way delay: 88.375 ms  
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

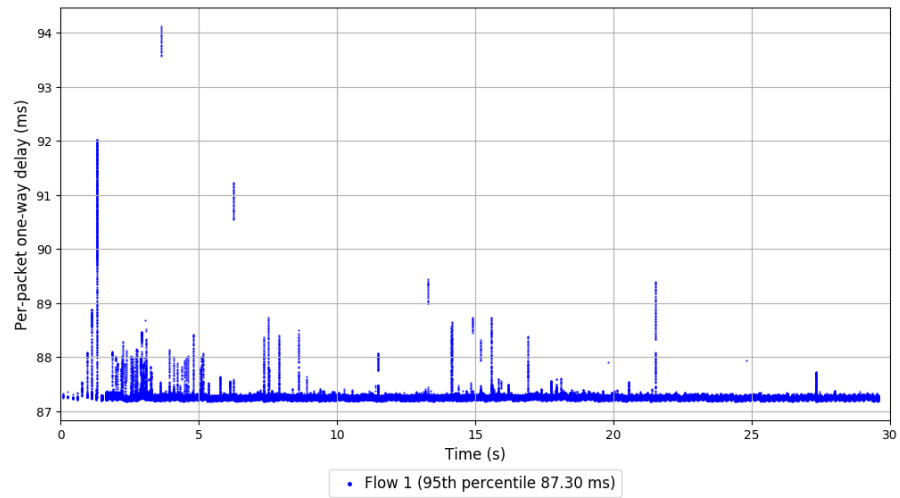
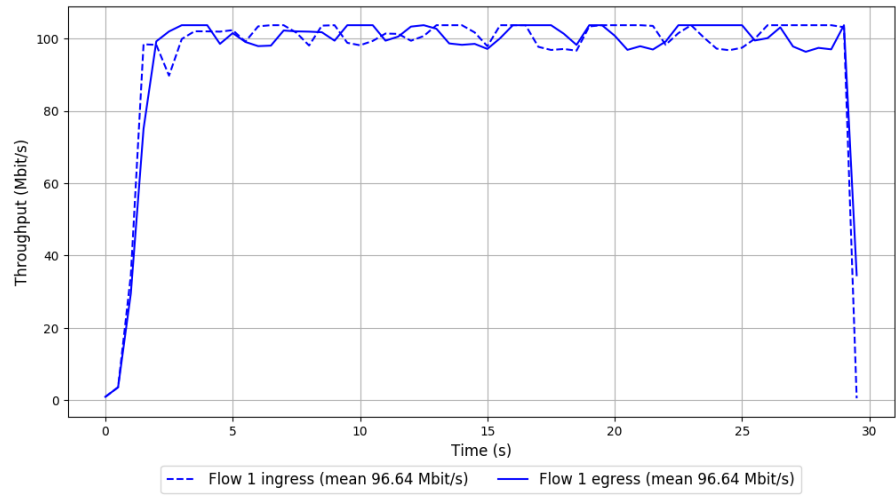


Run 8: Statistics of Indigo

Start at: 2017-09-03 06:27:58  
End at: 2017-09-03 06:28:28  
Local clock offset: 0.372 ms  
Remote clock offset: -1.634 ms

# Below is generated by plot.py at 2017-09-03 08:30:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.64 Mbit/s  
95th percentile per-packet one-way delay: 87.296 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.64 Mbit/s  
95th percentile per-packet one-way delay: 87.296 ms  
Loss rate: 0.00%

## Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2017-09-03 06:48:04

End at: 2017-09-03 06:48:34

Local clock offset: 0.458 ms

Remote clock offset: -6.317 ms

# Below is generated by plot.py at 2017-09-03 08:30:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 83.191 ms

Loss rate: 0.00%

-- Flow 1:

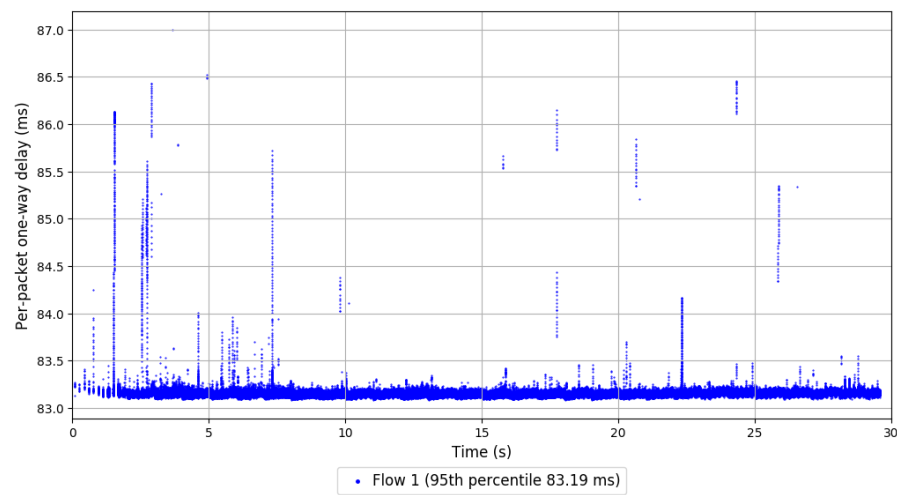
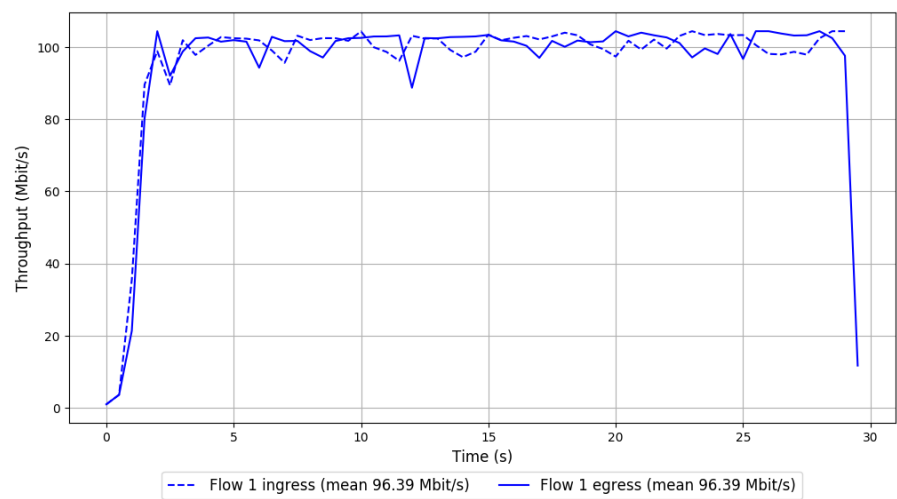
Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 83.191 ms

Loss rate: 0.00%



Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-09-03 07:07:53

End at: 2017-09-03 07:08:23

Local clock offset: 0.436 ms

Remote clock offset: -3.265 ms

# Below is generated by plot.py at 2017-09-03 08:30:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.51 Mbit/s

95th percentile per-packet one-way delay: 86.267 ms

Loss rate: 0.00%

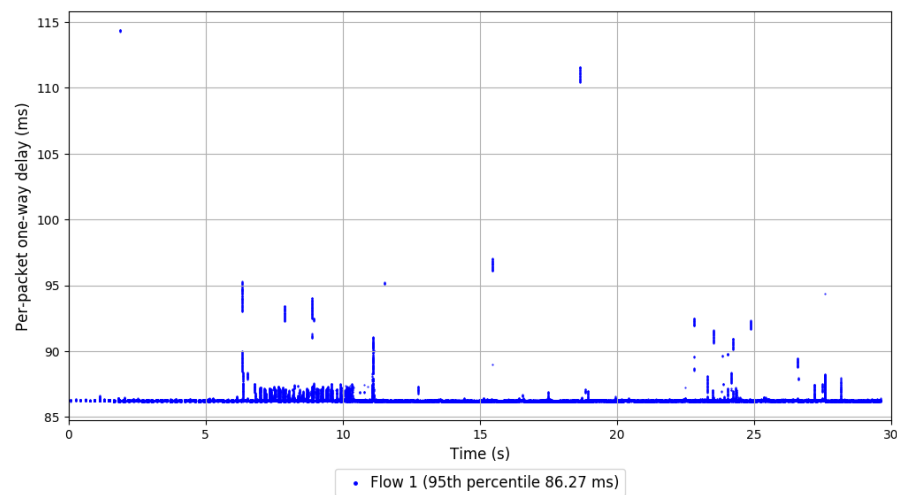
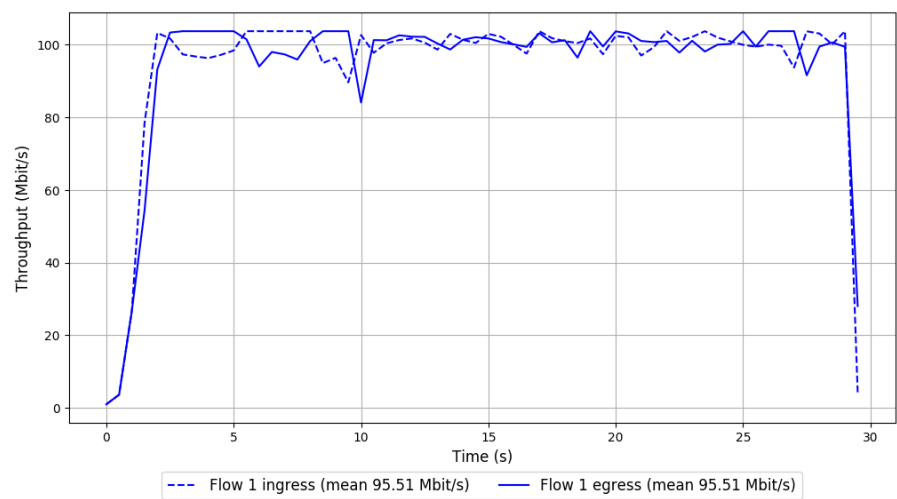
-- Flow 1:

Average throughput: 95.51 Mbit/s

95th percentile per-packet one-way delay: 86.267 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

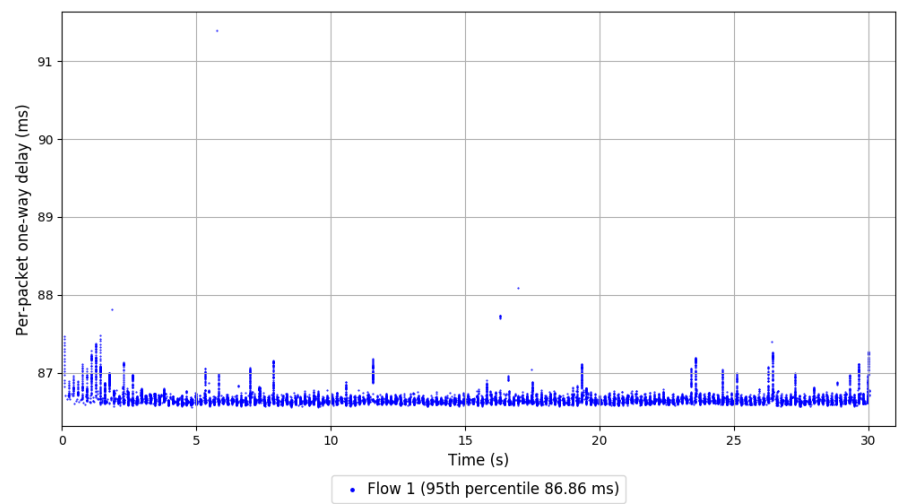
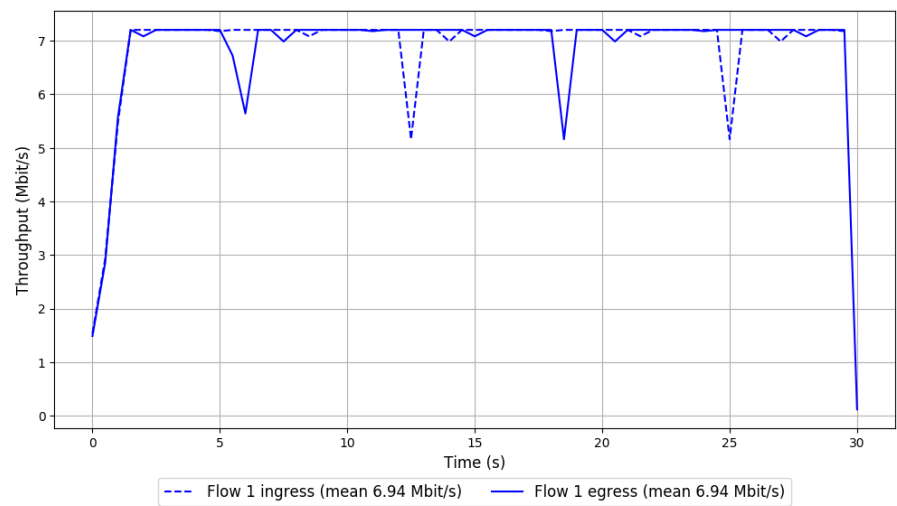


Run 1: Statistics of KohoCC

Start at: 2017-09-03 04:13:45  
End at: 2017-09-03 04:14:15  
Local clock offset: 0.194 ms  
Remote clock offset: -3.495 ms

# Below is generated by plot.py at 2017-09-03 08:30:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.94 Mbit/s  
95th percentile per-packet one-way delay: 86.865 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.94 Mbit/s  
95th percentile per-packet one-way delay: 86.865 ms  
Loss rate: 0.00%

Run 1: Report of KohoCC — Data Link

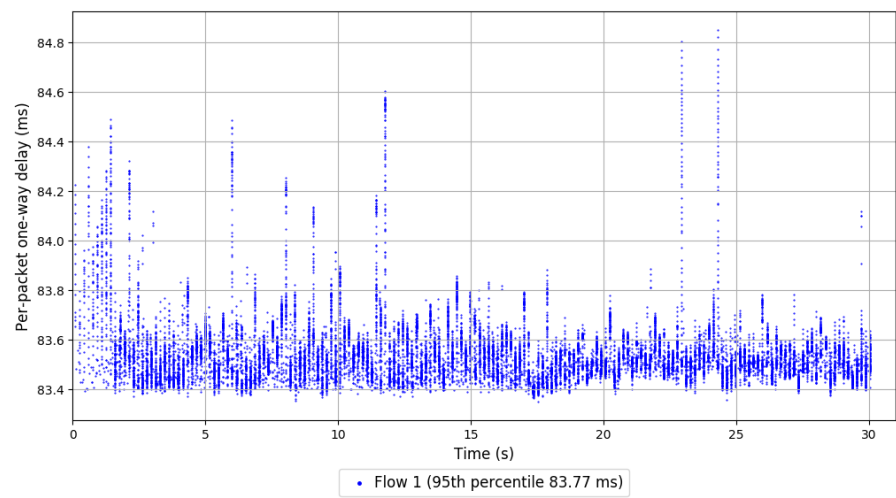
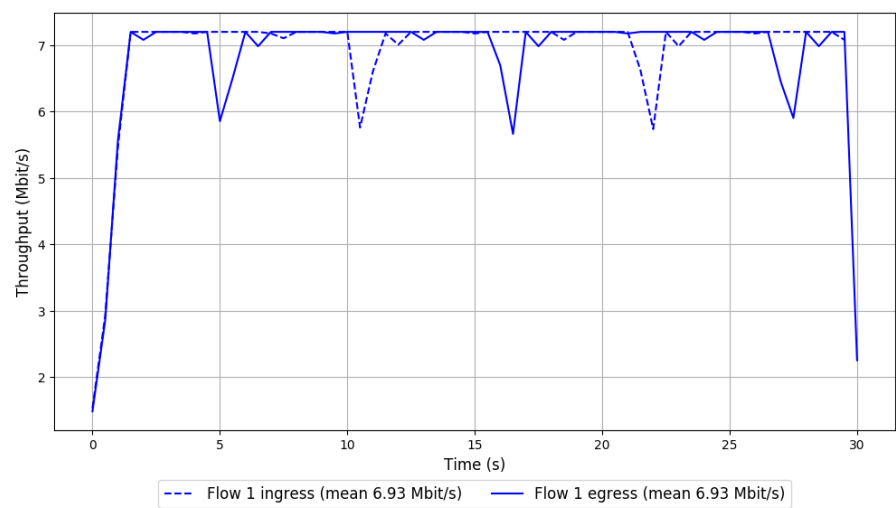


Run 2: Statistics of KohoCC

Start at: 2017-09-03 04:33:12  
End at: 2017-09-03 04:33:42  
Local clock offset: 0.249 ms  
Remote clock offset: -6.844 ms

# Below is generated by plot.py at 2017-09-03 08:30:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.93 Mbit/s  
95th percentile per-packet one-way delay: 83.774 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.93 Mbit/s  
95th percentile per-packet one-way delay: 83.774 ms  
Loss rate: 0.00%

Run 2: Report of KohoCC — Data Link



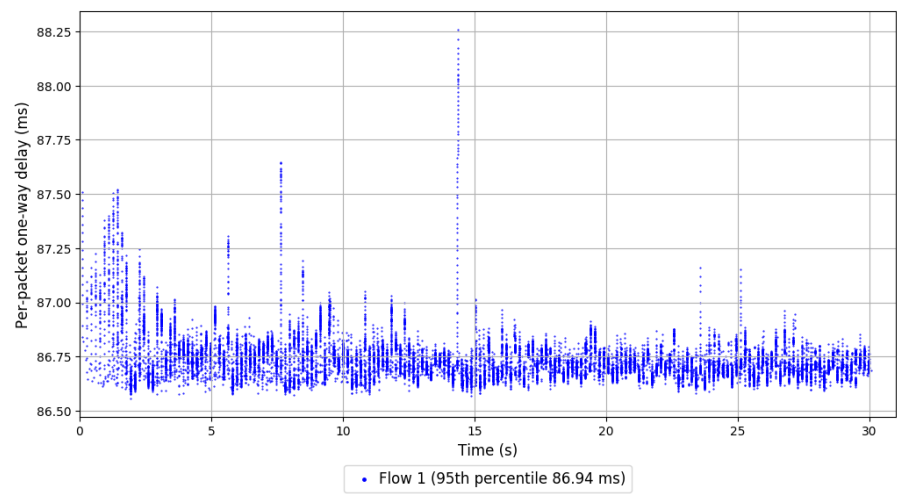
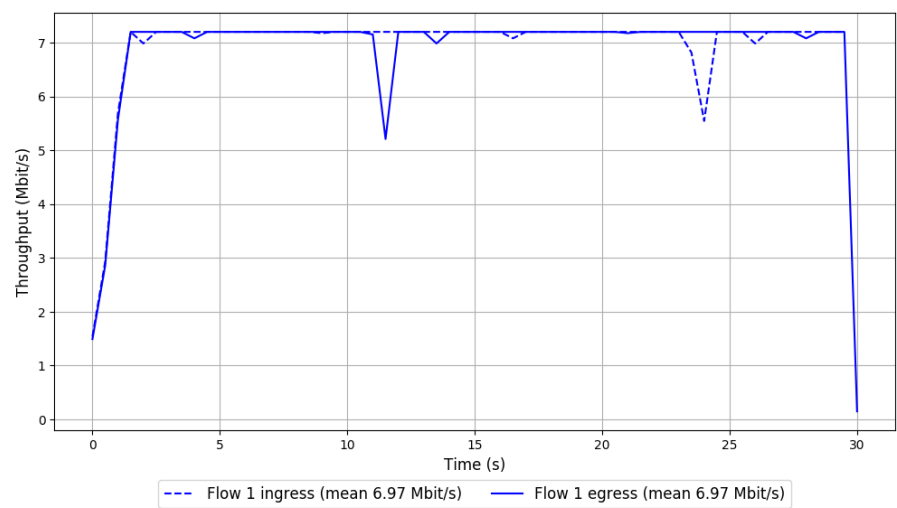
Run 3: Statistics of KohoCC

Start at: 2017-09-03 04:53:29  
End at: 2017-09-03 04:53:59  
Local clock offset: 0.276 ms  
Remote clock offset: -3.118 ms

# Below is generated by plot.py at 2017-09-03 08:30:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.97 Mbit/s  
95th percentile per-packet one-way delay: 86.937 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.97 Mbit/s  
95th percentile per-packet one-way delay: 86.937 ms  
Loss rate: 0.00%



Run 3: Report of KohoCC — Data Link

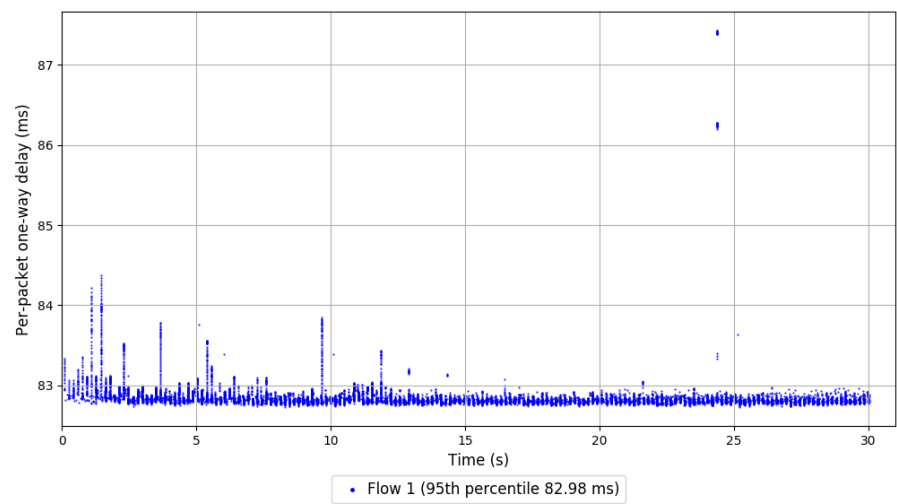
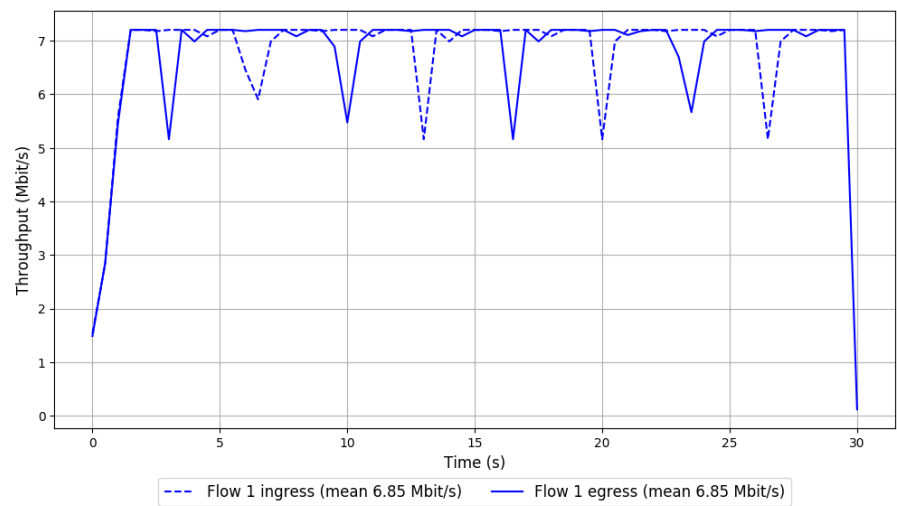


Run 4: Statistics of KohoCC

Start at: 2017-09-03 05:13:06  
End at: 2017-09-03 05:13:36  
Local clock offset: 0.394 ms  
Remote clock offset: -7.898 ms

# Below is generated by plot.py at 2017-09-03 08:30:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.85 Mbit/s  
95th percentile per-packet one-way delay: 82.978 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.85 Mbit/s  
95th percentile per-packet one-way delay: 82.978 ms  
Loss rate: 0.00%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: 2017-09-03 05:33:11

End at: 2017-09-03 05:33:41

Local clock offset: 0.436 ms

Remote clock offset: -7.75 ms

# Below is generated by plot.py at 2017-09-03 08:30:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.93 Mbit/s

95th percentile per-packet one-way delay: 82.647 ms

Loss rate: 0.00%

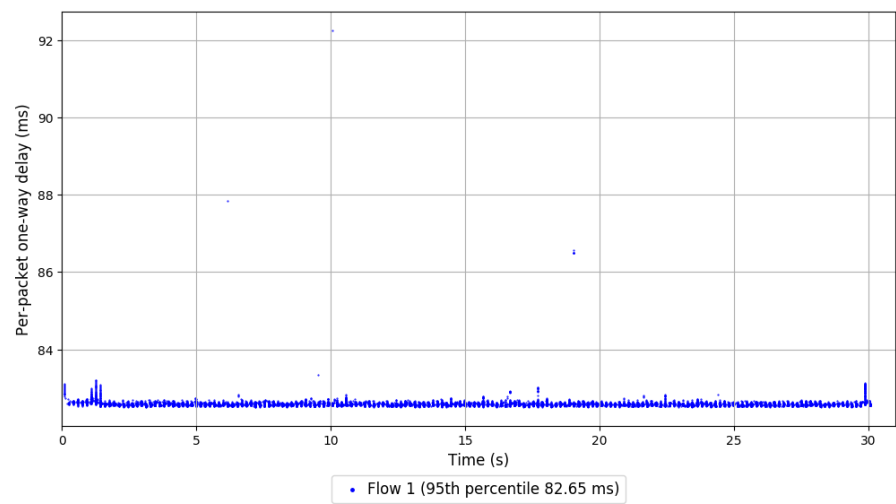
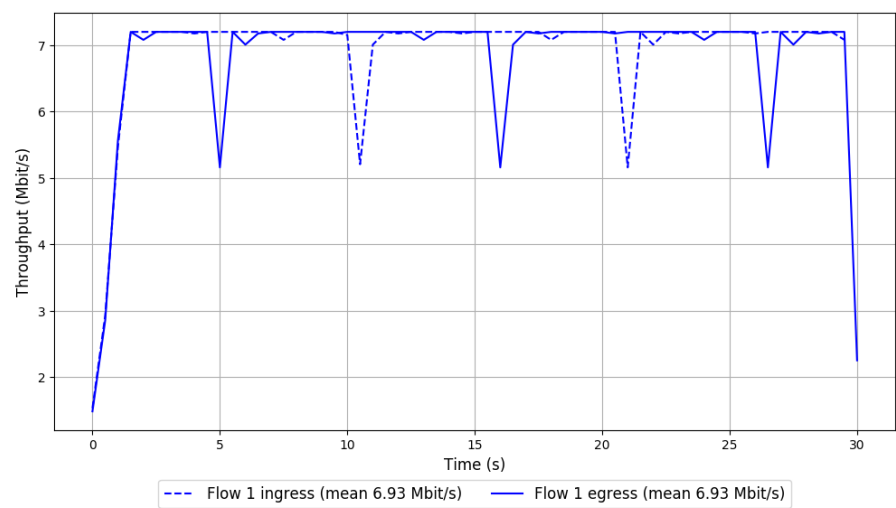
-- Flow 1:

Average throughput: 6.93 Mbit/s

95th percentile per-packet one-way delay: 82.647 ms

Loss rate: 0.00%

Run 5: Report of KohoCC — Data Link

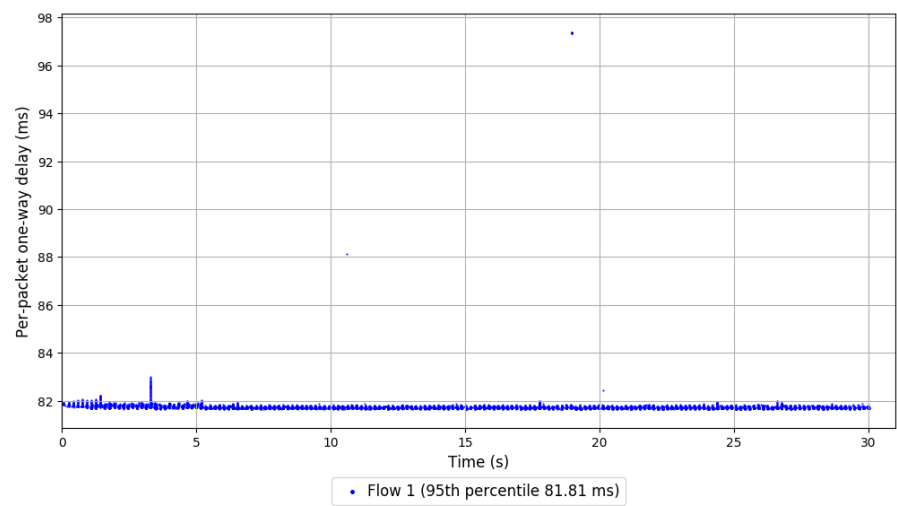
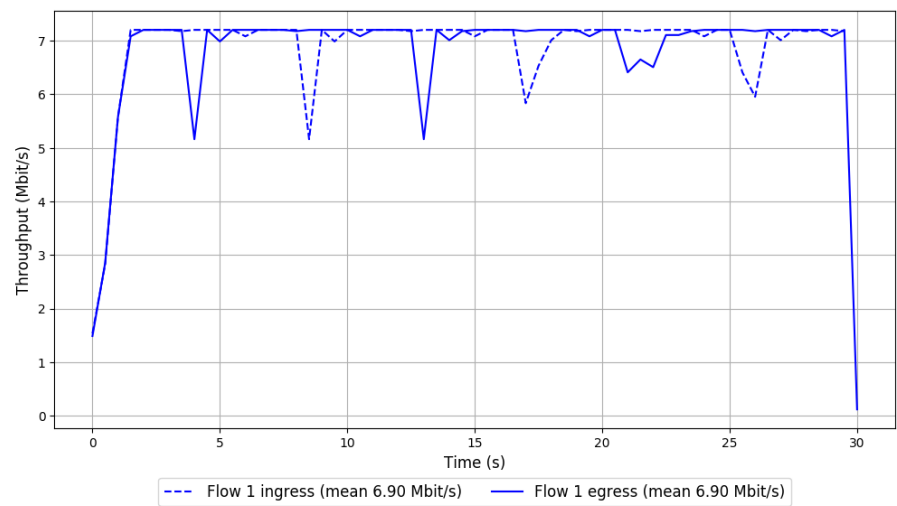


Run 6: Statistics of KohoCC

Start at: 2017-09-03 05:53:12  
End at: 2017-09-03 05:53:42  
Local clock offset: 0.36 ms  
Remote clock offset: -7.828 ms

# Below is generated by plot.py at 2017-09-03 08:31:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.90 Mbit/s  
95th percentile per-packet one-way delay: 81.812 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.90 Mbit/s  
95th percentile per-packet one-way delay: 81.812 ms  
Loss rate: 0.00%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: 2017-09-03 06:13:13

End at: 2017-09-03 06:13:43

Local clock offset: 0.294 ms

Remote clock offset: -3.62 ms

# Below is generated by plot.py at 2017-09-03 08:31:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.98 Mbit/s

95th percentile per-packet one-way delay: 86.459 ms

Loss rate: 0.00%

-- Flow 1:

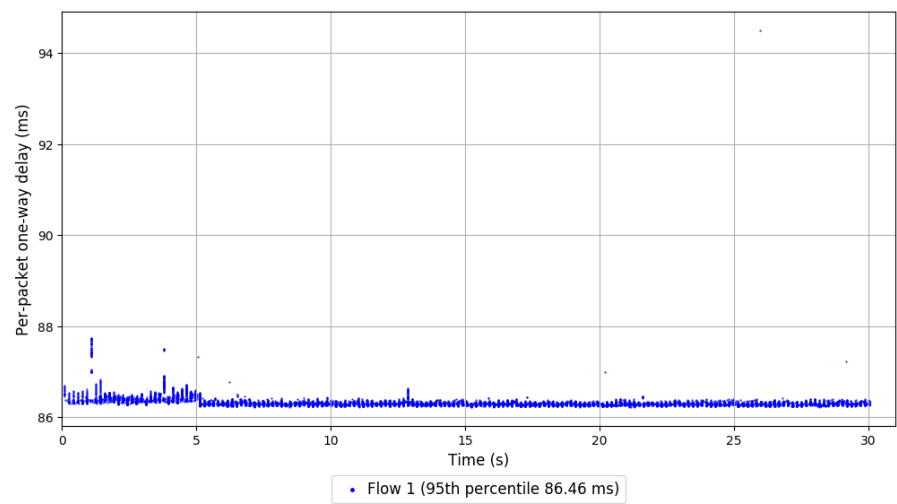
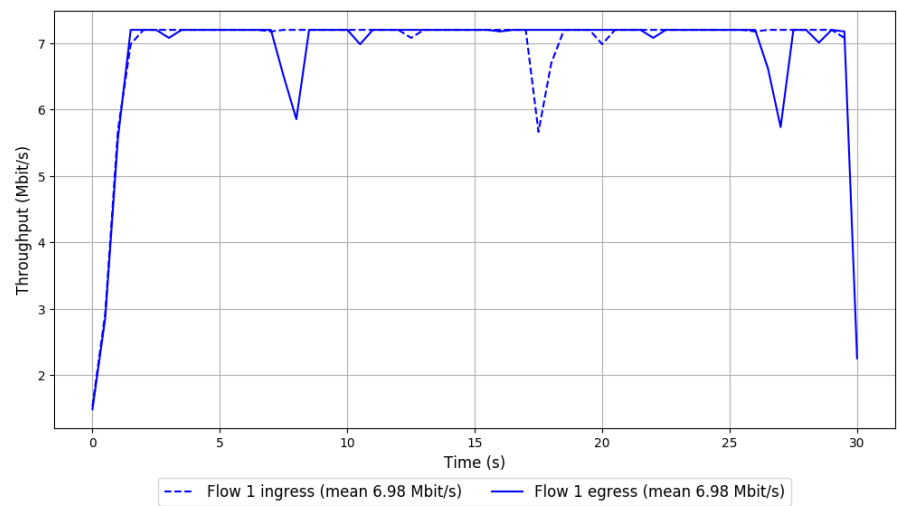
Average throughput: 6.98 Mbit/s

95th percentile per-packet one-way delay: 86.459 ms

Loss rate: 0.00%



Run 7: Report of KohoCC — Data Link

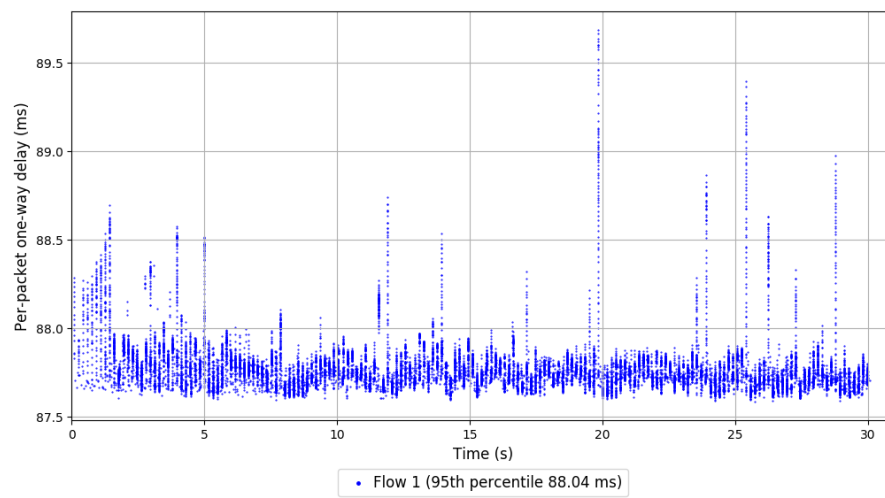
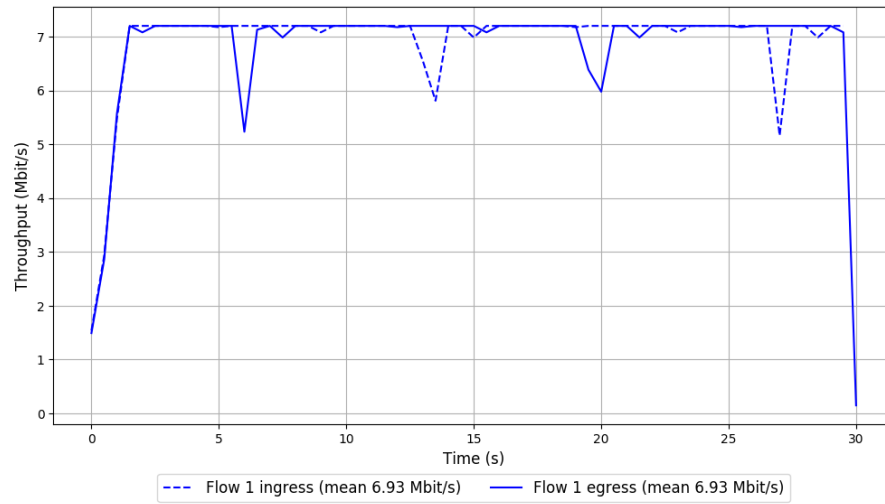


Run 8: Statistics of KohoCC

Start at: 2017-09-03 06:32:57  
End at: 2017-09-03 06:33:27  
Local clock offset: 0.401 ms  
Remote clock offset: -2.515 ms

# Below is generated by plot.py at 2017-09-03 08:31:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.93 Mbit/s  
95th percentile per-packet one-way delay: 88.039 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.93 Mbit/s  
95th percentile per-packet one-way delay: 88.039 ms  
Loss rate: 0.00%

### Run 8: Report of KohoCC — Data Link

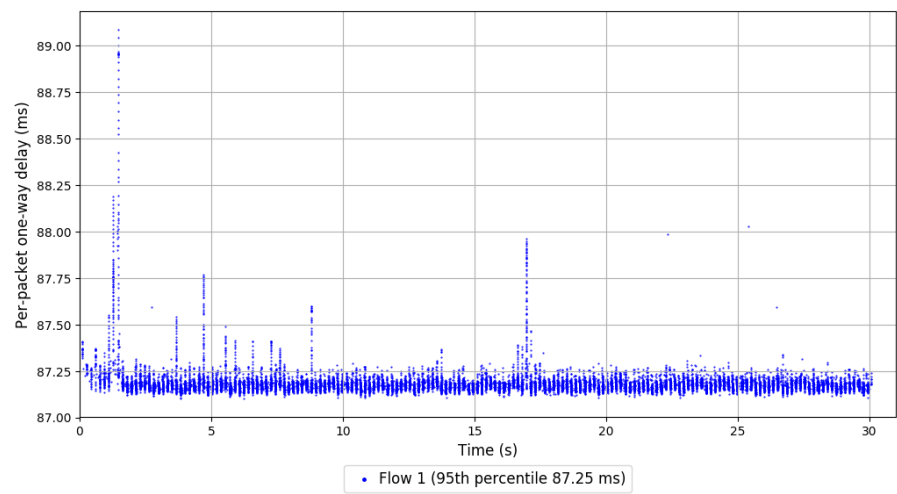
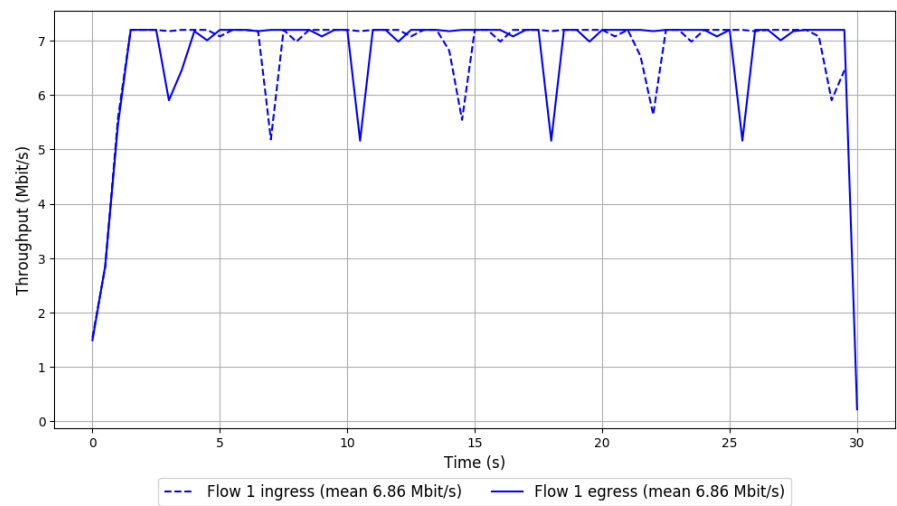


Run 9: Statistics of KohoCC

Start at: 2017-09-03 06:53:00  
End at: 2017-09-03 06:53:30  
Local clock offset: 0.469 ms  
Remote clock offset: -2.352 ms

# Below is generated by plot.py at 2017-09-03 08:31:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.86 Mbit/s  
95th percentile per-packet one-way delay: 87.249 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.86 Mbit/s  
95th percentile per-packet one-way delay: 87.249 ms  
Loss rate: 0.00%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: 2017-09-03 07:13:14

End at: 2017-09-03 07:13:44

Local clock offset: 0.402 ms

Remote clock offset: -1.444 ms

# Below is generated by plot.py at 2017-09-03 08:31:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.90 Mbit/s

95th percentile per-packet one-way delay: 87.524 ms

Loss rate: 0.00%

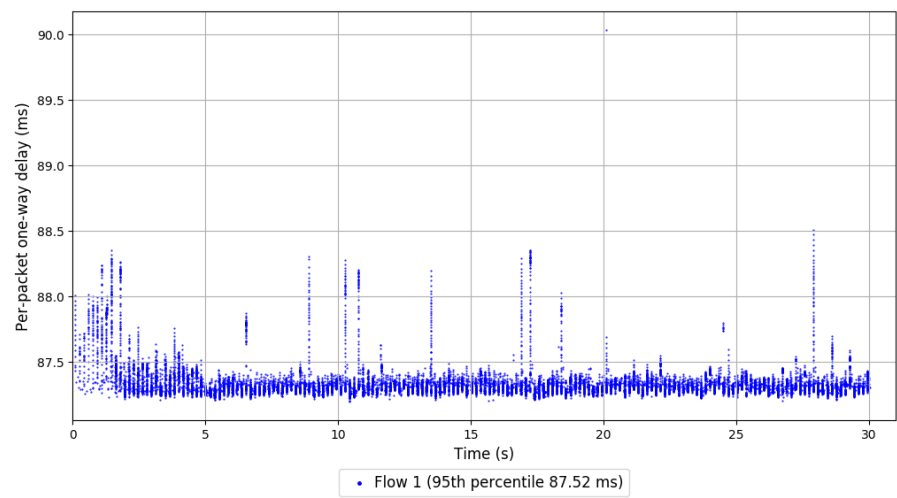
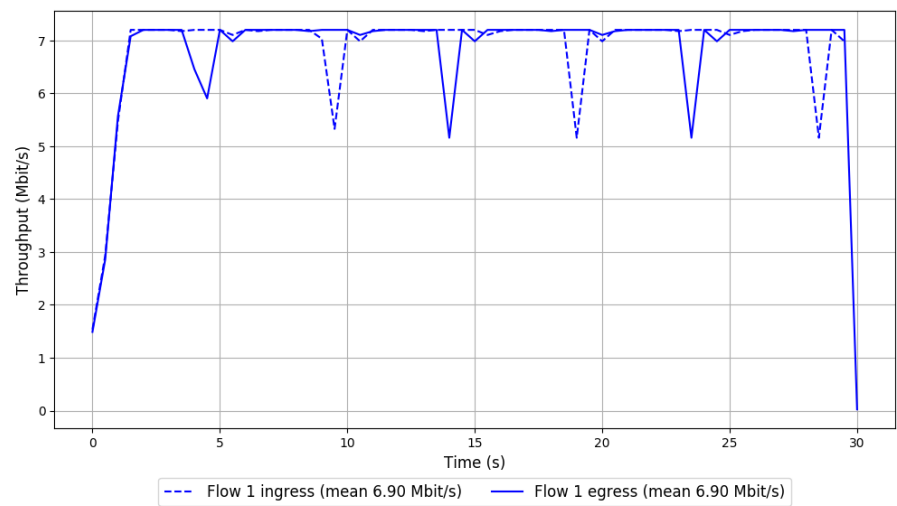
-- Flow 1:

Average throughput: 6.90 Mbit/s

95th percentile per-packet one-way delay: 87.524 ms

Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link



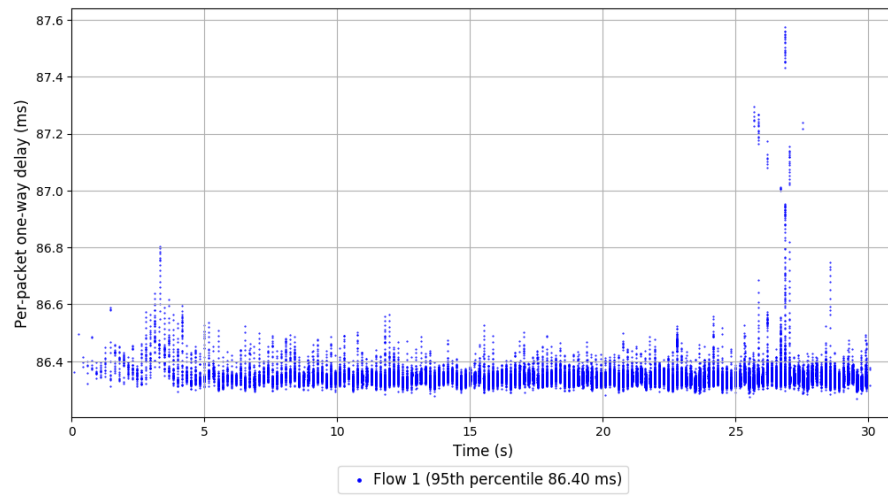
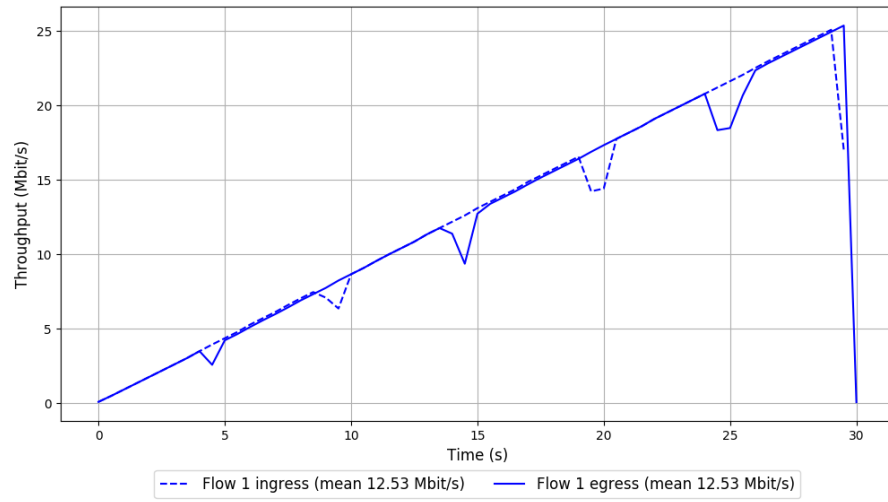
```
Run 1: Statistics of LEDBAT

Start at: 2017-09-03 04:12:34
End at: 2017-09-03 04:13:04
Local clock offset: 0.286 ms
Remote clock offset: -2.595 ms

# Below is generated by plot.py at 2017-09-03 08:31:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.53 Mbit/s
95th percentile per-packet one-way delay: 86.396 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.53 Mbit/s
95th percentile per-packet one-way delay: 86.396 ms
Loss rate: 0.00%
```



# Run 1: Report of LEDBAT — Data Link

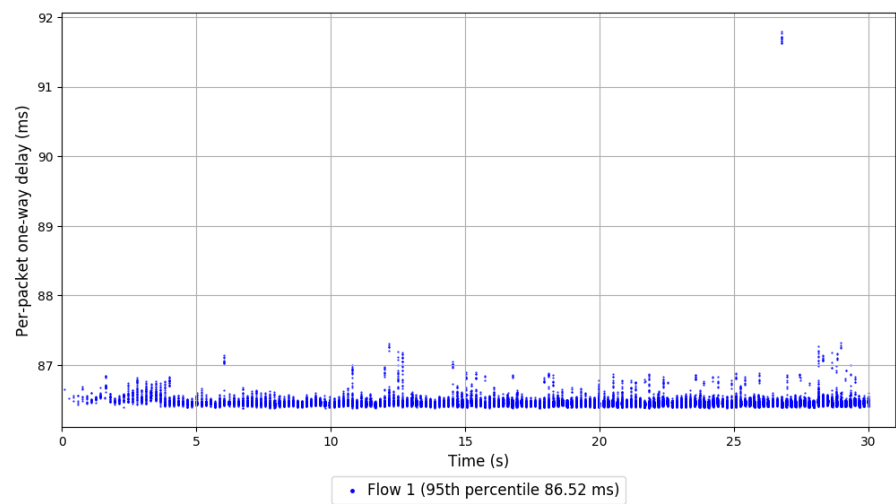
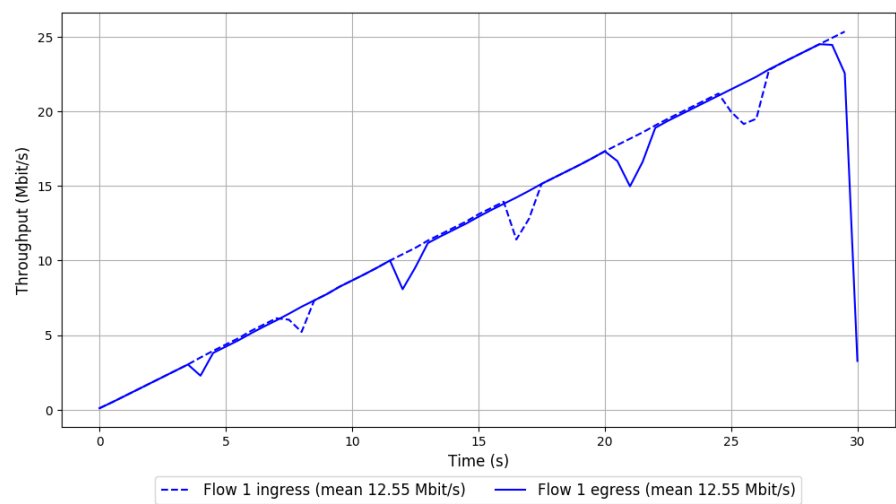


Run 2: Statistics of LEDBAT

Start at: 2017-09-03 04:32:00  
End at: 2017-09-03 04:32:30  
Local clock offset: 0.178 ms  
Remote clock offset: -2.883 ms

# Below is generated by plot.py at 2017-09-03 08:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.55 Mbit/s  
95th percentile per-packet one-way delay: 86.524 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.55 Mbit/s  
95th percentile per-packet one-way delay: 86.524 ms  
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

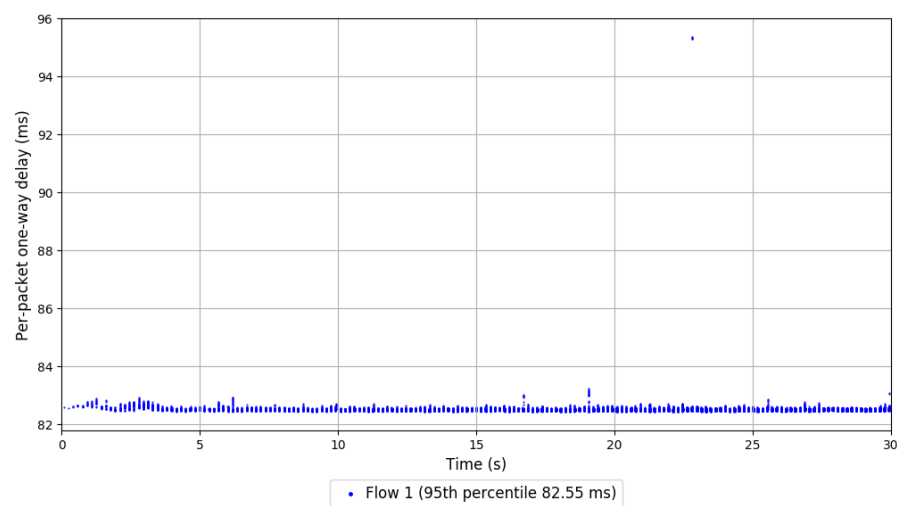
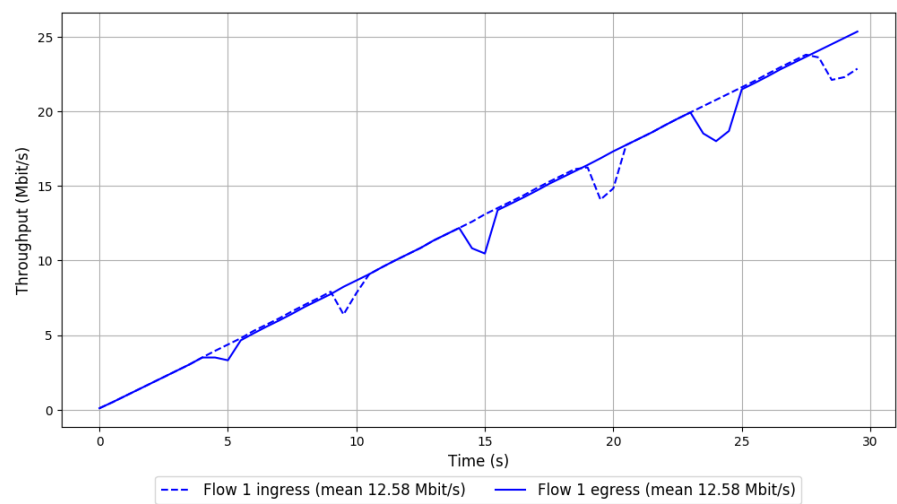


Run 3: Statistics of LEDBAT

Start at: 2017-09-03 04:52:18  
End at: 2017-09-03 04:52:48  
Local clock offset: 0.326 ms  
Remote clock offset: -7.012 ms

# Below is generated by plot.py at 2017-09-03 08:31:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.58 Mbit/s  
95th percentile per-packet one-way delay: 82.550 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.58 Mbit/s  
95th percentile per-packet one-way delay: 82.550 ms  
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

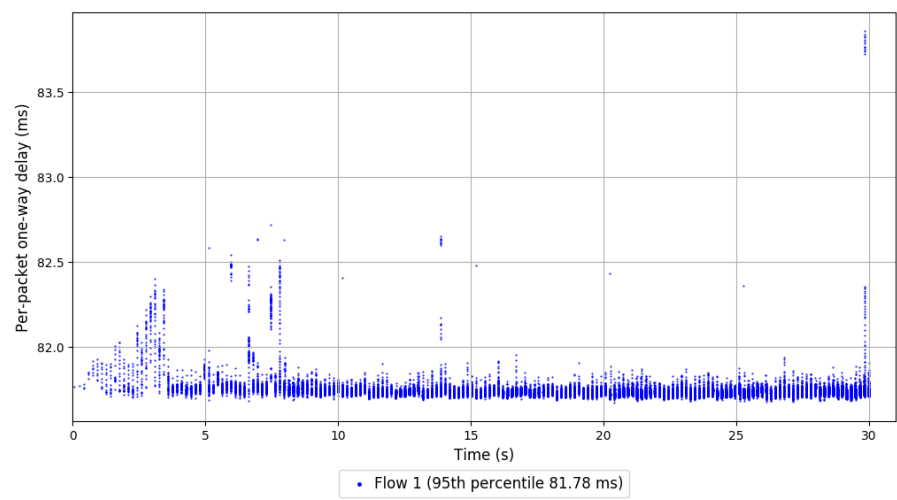
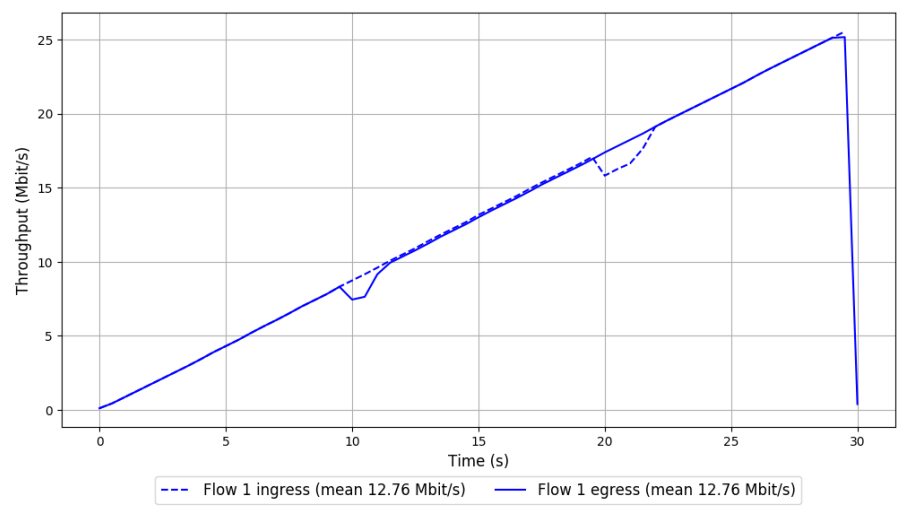


Run 4: Statistics of LEDBAT

Start at: 2017-09-03 05:11:55  
End at: 2017-09-03 05:12:25  
Local clock offset: 0.397 ms  
Remote clock offset: -7.912 ms

# Below is generated by plot.py at 2017-09-03 08:31:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.76 Mbit/s  
95th percentile per-packet one-way delay: 81.783 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.76 Mbit/s  
95th percentile per-packet one-way delay: 81.783 ms  
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



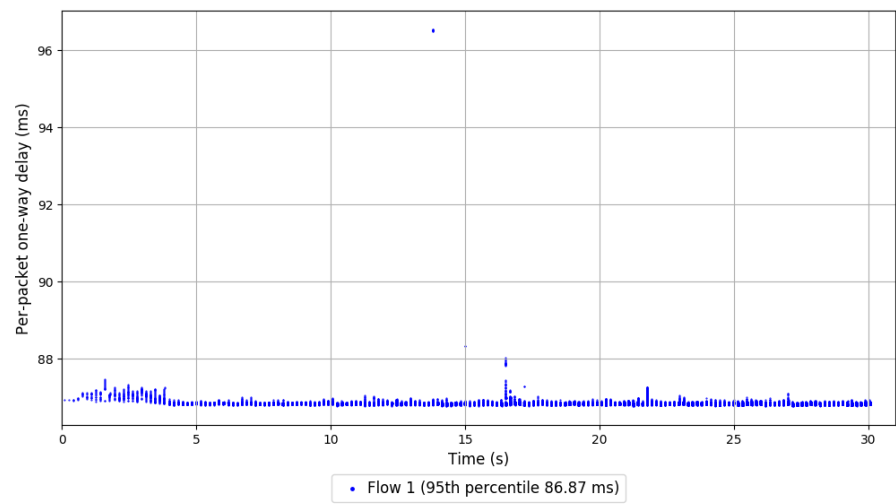
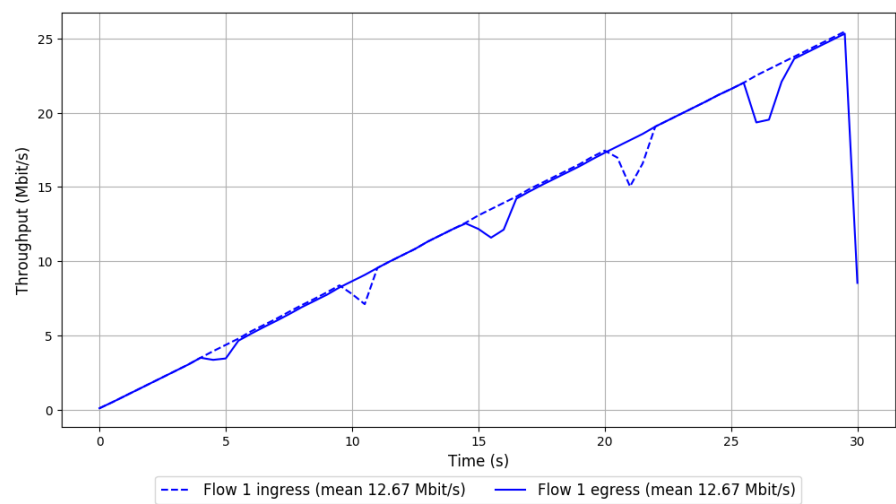
Run 5: Statistics of LEDBAT

Start at: 2017-09-03 05:32:00  
End at: 2017-09-03 05:32:30  
Local clock offset: 0.379 ms  
Remote clock offset: -3.819 ms

# Below is generated by plot.py at 2017-09-03 08:31:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.67 Mbit/s  
95th percentile per-packet one-way delay: 86.874 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.67 Mbit/s  
95th percentile per-packet one-way delay: 86.874 ms  
Loss rate: 0.00%



Run 5: Report of LEDBAT — Data Link

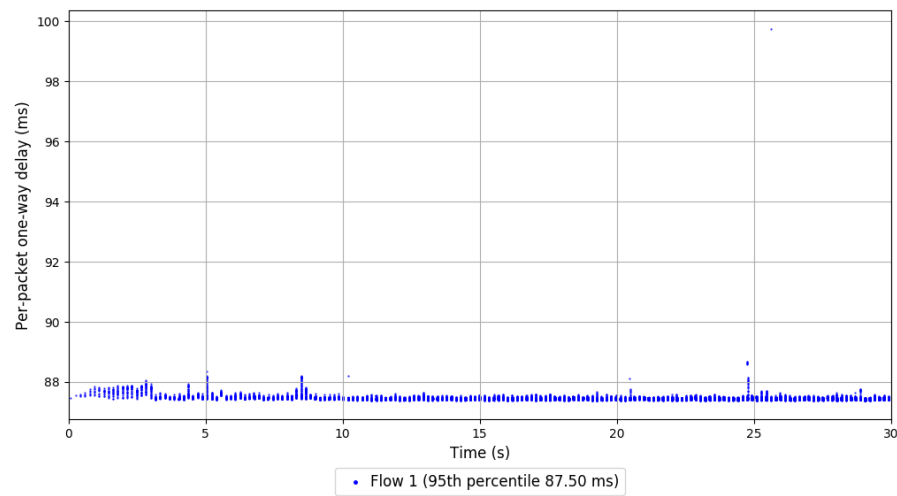
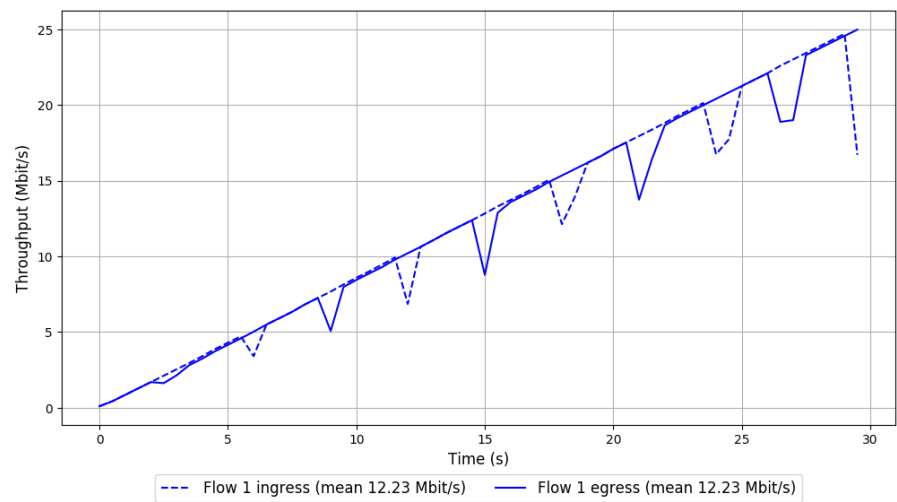


Run 6: Statistics of LEDBAT

Start at: 2017-09-03 05:52:01  
End at: 2017-09-03 05:52:31  
Local clock offset: 0.28 ms  
Remote clock offset: -3.021 ms

# Below is generated by plot.py at 2017-09-03 08:31:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.23 Mbit/s  
95th percentile per-packet one-way delay: 87.504 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.23 Mbit/s  
95th percentile per-packet one-way delay: 87.504 ms  
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

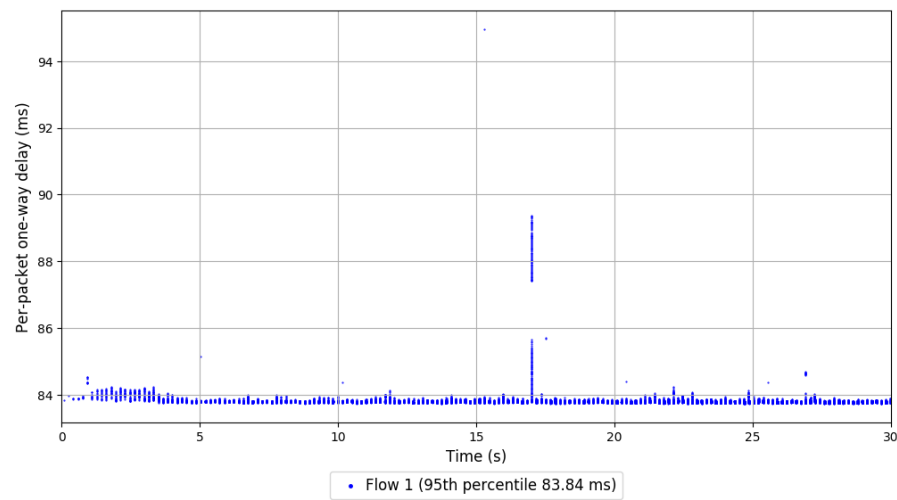
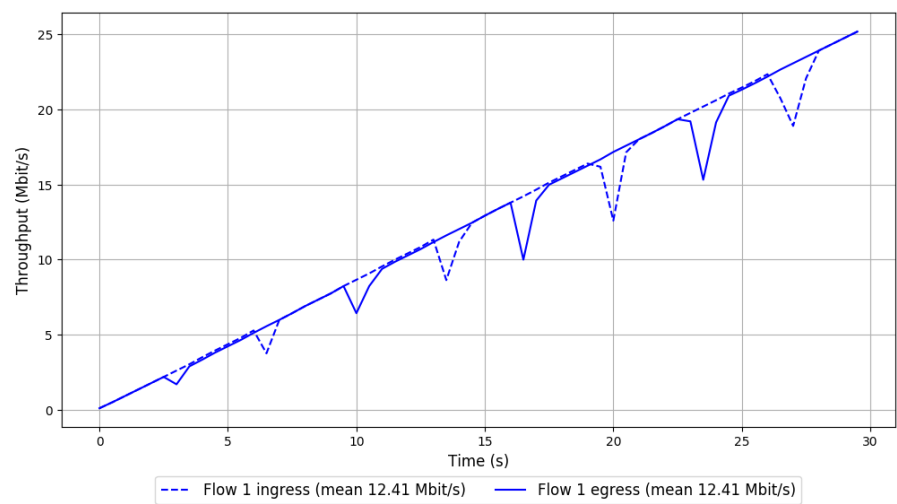


Run 7: Statistics of LEDBAT

Start at: 2017-09-03 06:12:02  
End at: 2017-09-03 06:12:32  
Local clock offset: 0.359 ms  
Remote clock offset: -6.622 ms

# Below is generated by plot.py at 2017-09-03 08:31:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.41 Mbit/s  
95th percentile per-packet one-way delay: 83.843 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.41 Mbit/s  
95th percentile per-packet one-way delay: 83.843 ms  
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

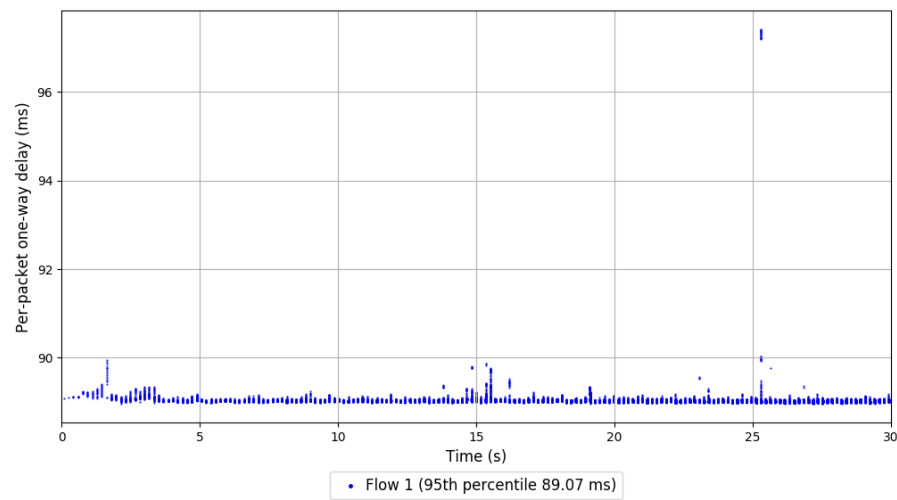
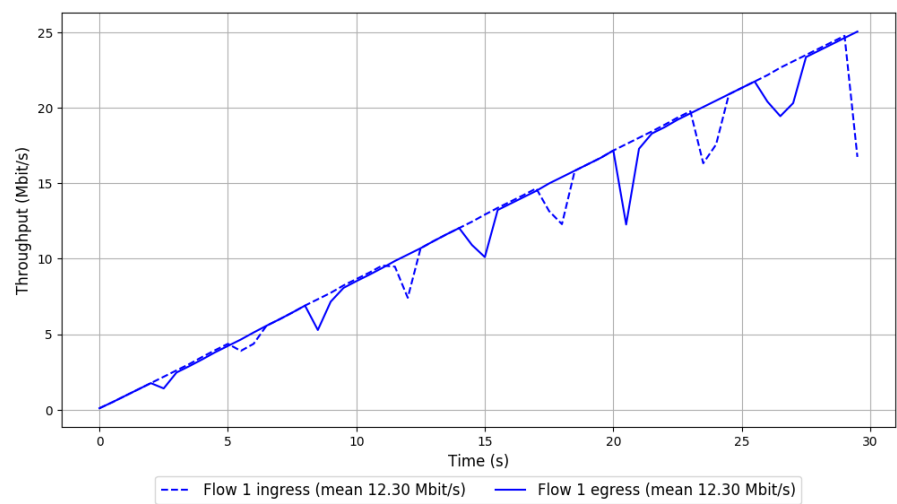


Run 8: Statistics of LEDBAT

Start at: 2017-09-03 06:31:46  
End at: 2017-09-03 06:32:17  
Local clock offset: 0.395 ms  
Remote clock offset: -1.655 ms

# Below is generated by plot.py at 2017-09-03 08:31:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.30 Mbit/s  
95th percentile per-packet one-way delay: 89.068 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.30 Mbit/s  
95th percentile per-packet one-way delay: 89.068 ms  
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



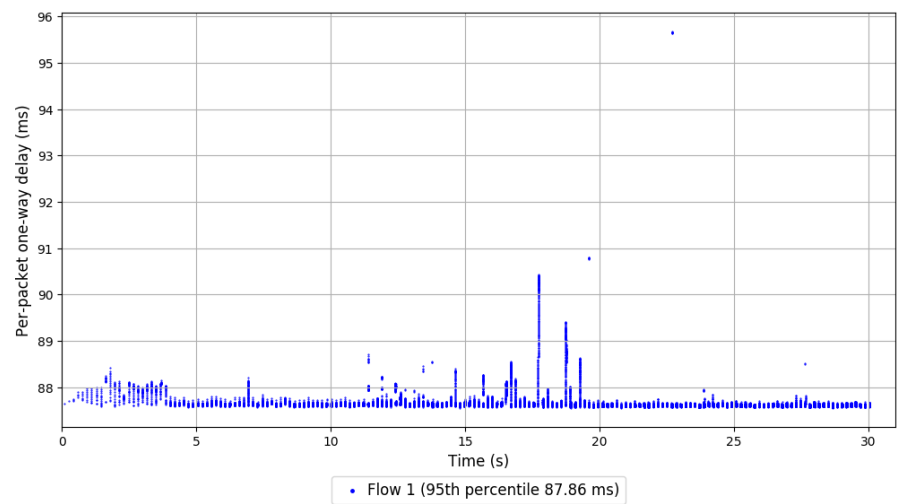
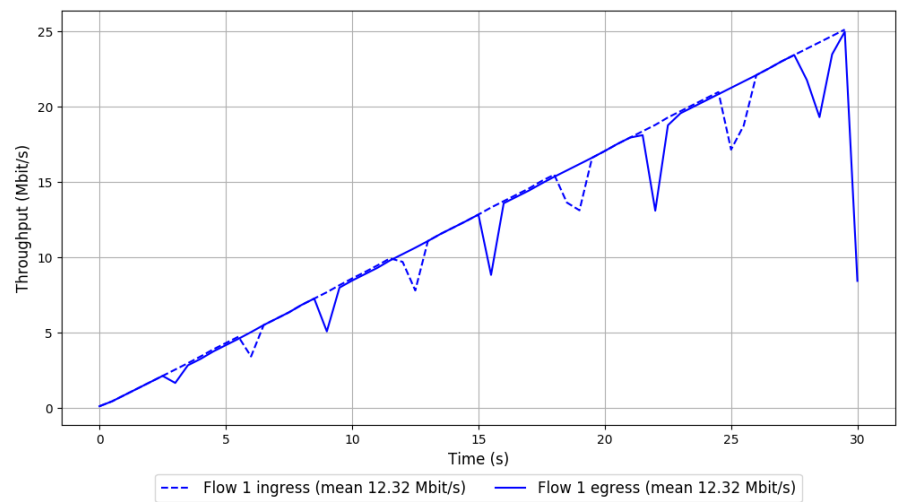
Run 9: Statistics of LEDBAT

Start at: 2017-09-03 06:51:49  
End at: 2017-09-03 06:52:19  
Local clock offset: 0.433 ms  
Remote clock offset: -2.424 ms

# Below is generated by plot.py at 2017-09-03 08:31:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.32 Mbit/s  
95th percentile per-packet one-way delay: 87.864 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.32 Mbit/s  
95th percentile per-packet one-way delay: 87.864 ms  
Loss rate: 0.00%



Run 9: Report of LEDBAT — Data Link

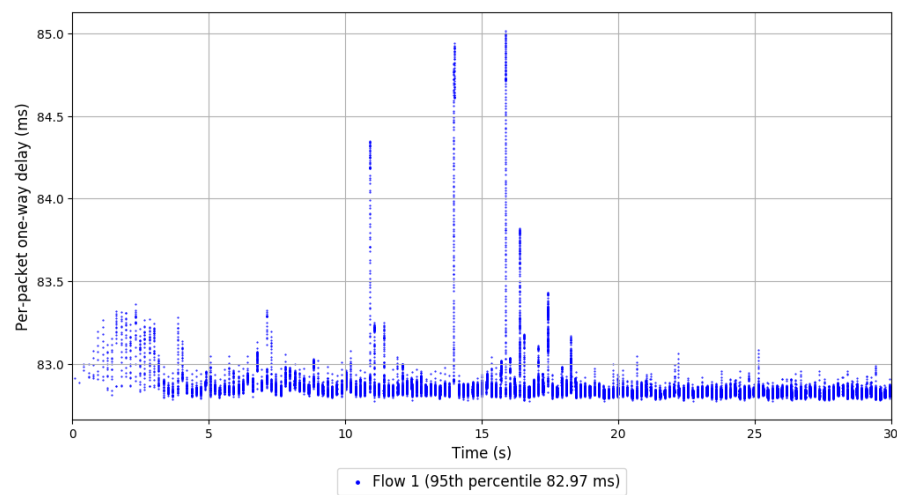
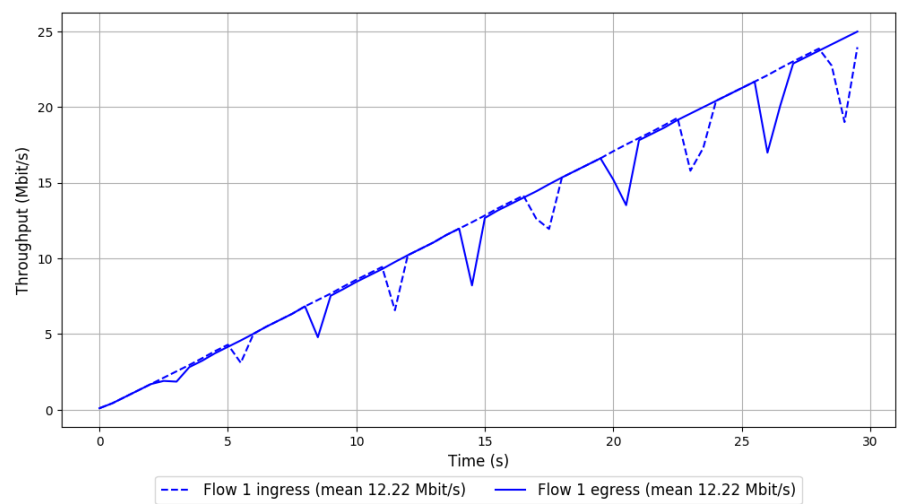


Run 10: Statistics of LEDBAT

Start at: 2017-09-03 07:12:03  
End at: 2017-09-03 07:12:33  
Local clock offset: 0.423 ms  
Remote clock offset: -7.208 ms

# Below is generated by plot.py at 2017-09-03 08:31:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.22 Mbit/s  
95th percentile per-packet one-way delay: 82.970 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.22 Mbit/s  
95th percentile per-packet one-way delay: 82.970 ms  
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

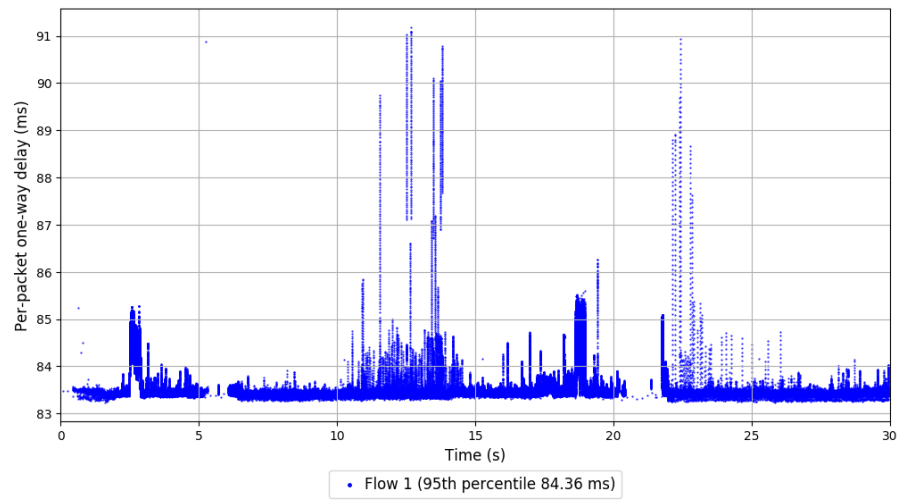
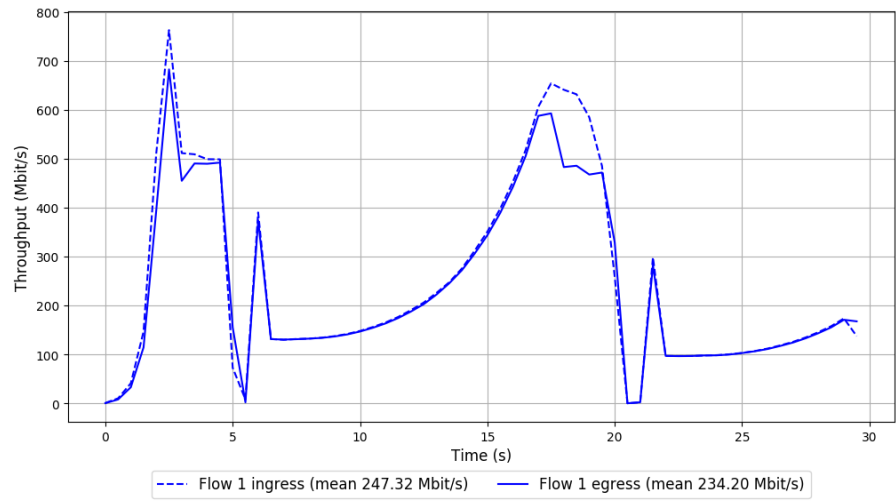


Run 1: Statistics of PCC

Start at: 2017-09-03 04:21:49  
End at: 2017-09-03 04:22:19  
Local clock offset: 0.297 ms  
Remote clock offset: -6.659 ms

# Below is generated by plot.py at 2017-09-03 08:31:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 234.20 Mbit/s  
95th percentile per-packet one-way delay: 84.363 ms  
Loss rate: 5.30%  
-- Flow 1:  
Average throughput: 234.20 Mbit/s  
95th percentile per-packet one-way delay: 84.363 ms  
Loss rate: 5.30%

### Run 1: Report of PCC — Data Link

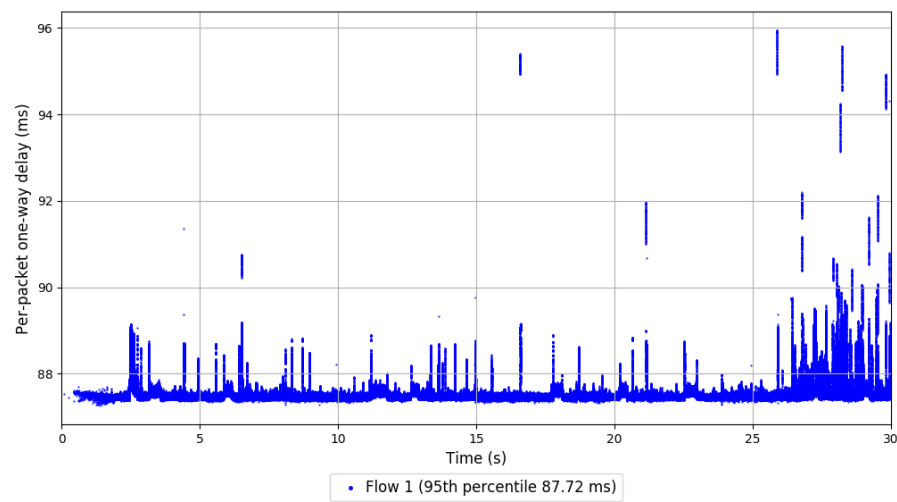
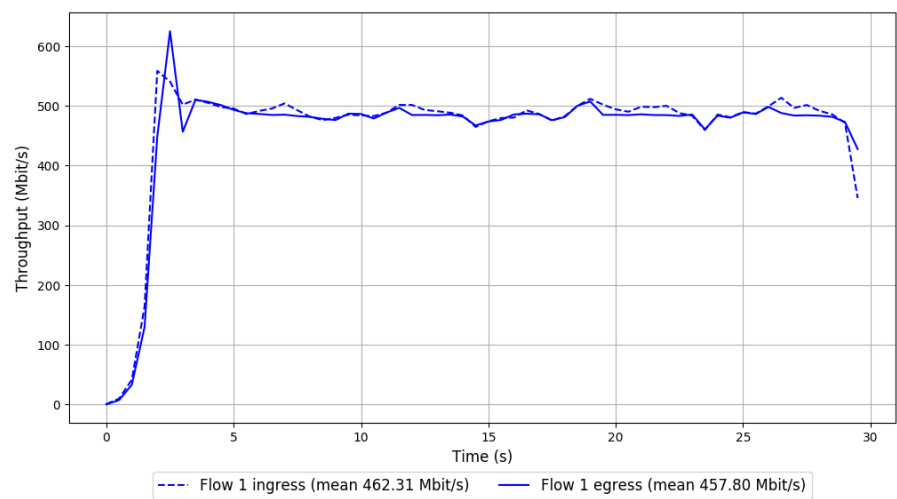


Run 2: Statistics of PCC

Start at: 2017-09-03 04:41:34  
End at: 2017-09-03 04:42:04  
Local clock offset: 0.299 ms  
Remote clock offset: -2.946 ms

# Below is generated by plot.py at 2017-09-03 08:32:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 457.80 Mbit/s  
95th percentile per-packet one-way delay: 87.724 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 457.80 Mbit/s  
95th percentile per-packet one-way delay: 87.724 ms  
Loss rate: 0.98%

Run 2: Report of PCC — Data Link



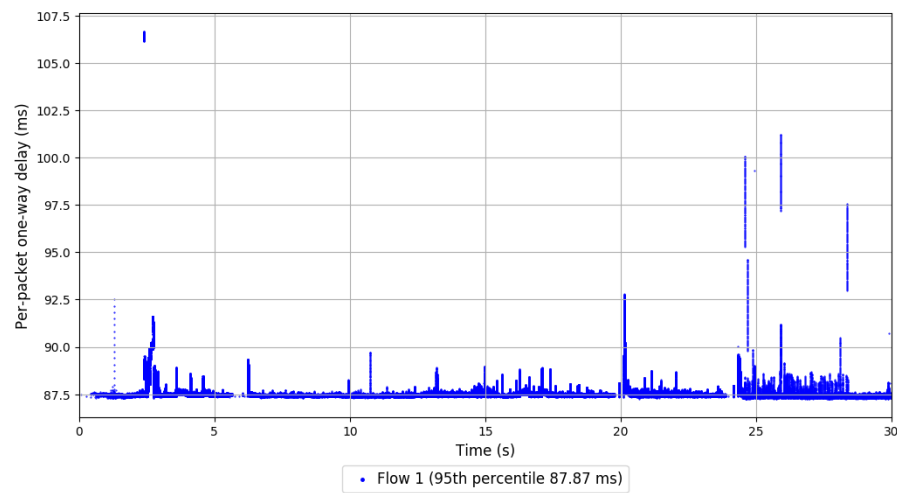
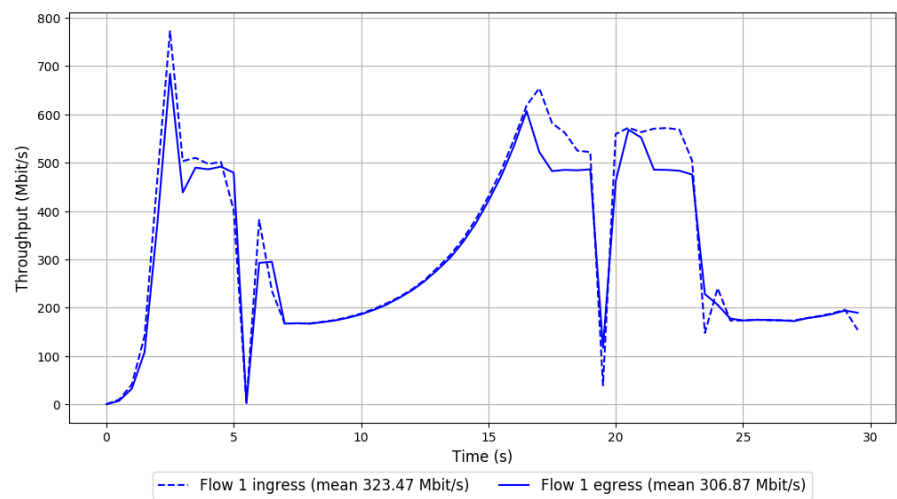
Run 3: Statistics of PCC

Start at: 2017-09-03 05:01:35  
End at: 2017-09-03 05:02:05  
Local clock offset: 0.405 ms  
Remote clock offset: -3.115 ms

# Below is generated by plot.py at 2017-09-03 08:32:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 306.87 Mbit/s  
95th percentile per-packet one-way delay: 87.872 ms  
Loss rate: 5.13%  
-- Flow 1:  
Average throughput: 306.87 Mbit/s  
95th percentile per-packet one-way delay: 87.872 ms  
Loss rate: 5.13%



Run 3: Report of PCC — Data Link

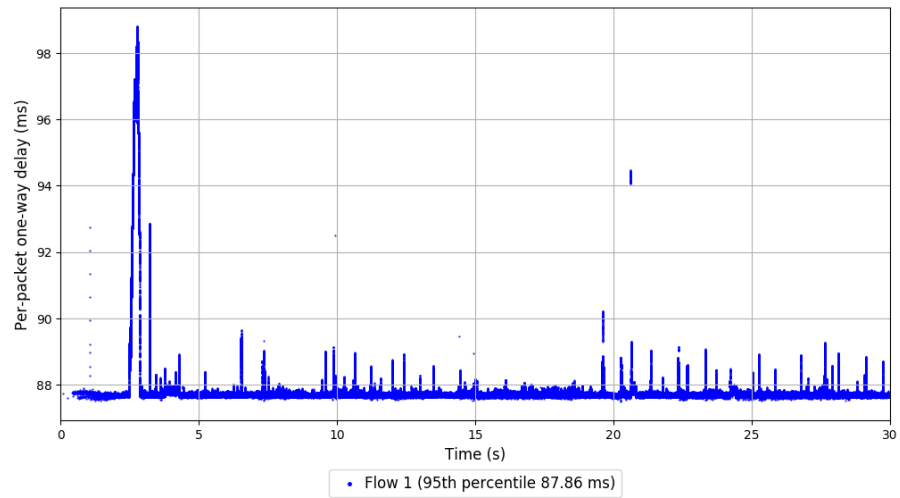
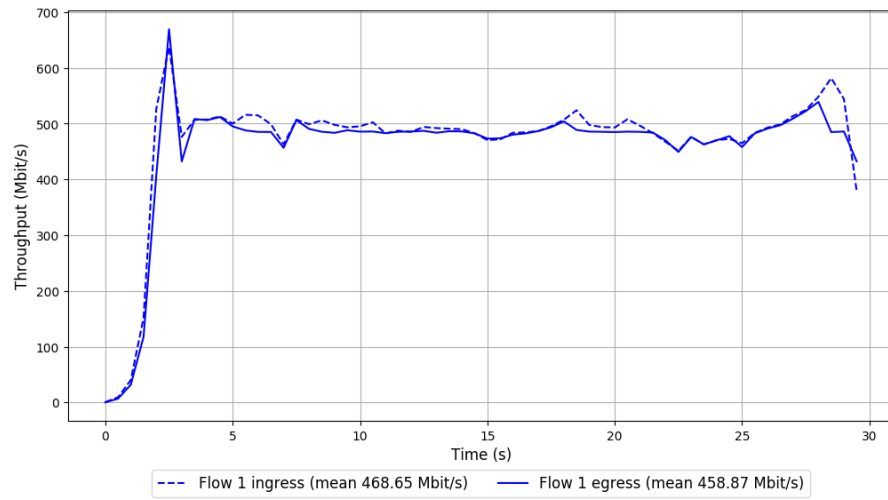


Run 4: Statistics of PCC

Start at: 2017-09-03 05:21:29  
End at: 2017-09-03 05:21:59  
Local clock offset: 0.457 ms  
Remote clock offset: -2.967 ms

# Below is generated by plot.py at 2017-09-03 08:33:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 458.87 Mbit/s  
95th percentile per-packet one-way delay: 87.865 ms  
Loss rate: 2.09%  
-- Flow 1:  
Average throughput: 458.87 Mbit/s  
95th percentile per-packet one-way delay: 87.865 ms  
Loss rate: 2.09%

#### Run 4: Report of PCC — Data Link

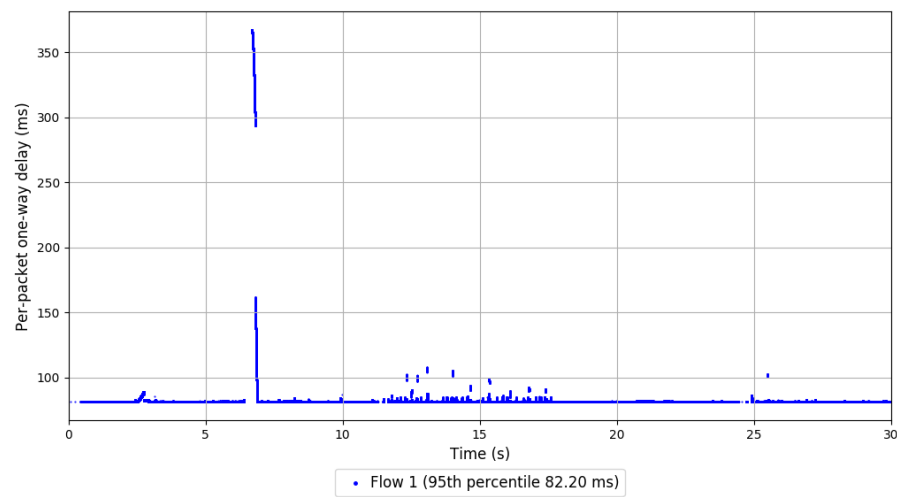
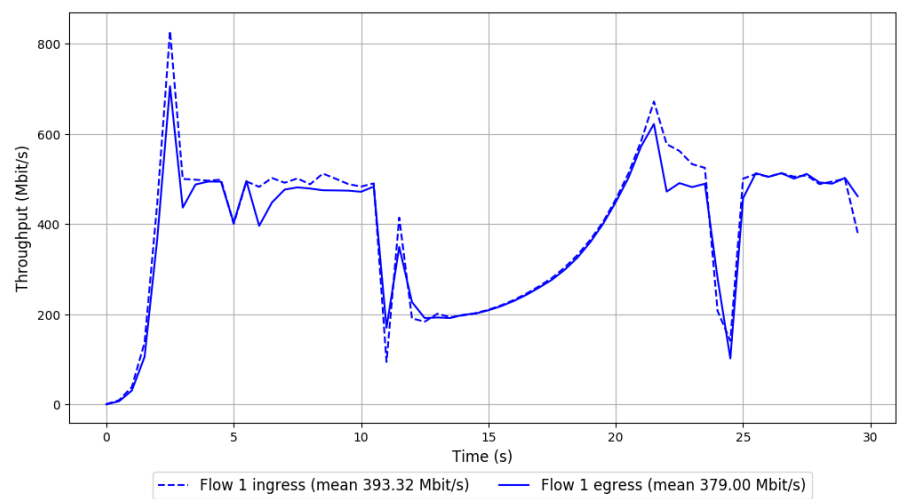


Run 5: Statistics of PCC

Start at: 2017-09-03 05:41:24  
End at: 2017-09-03 05:41:54  
Local clock offset: 0.342 ms  
Remote clock offset: -7.784 ms

# Below is generated by plot.py at 2017-09-03 08:33:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 379.00 Mbit/s  
95th percentile per-packet one-way delay: 82.202 ms  
Loss rate: 3.66%  
-- Flow 1:  
Average throughput: 379.00 Mbit/s  
95th percentile per-packet one-way delay: 82.202 ms  
Loss rate: 3.66%

Run 5: Report of PCC — Data Link

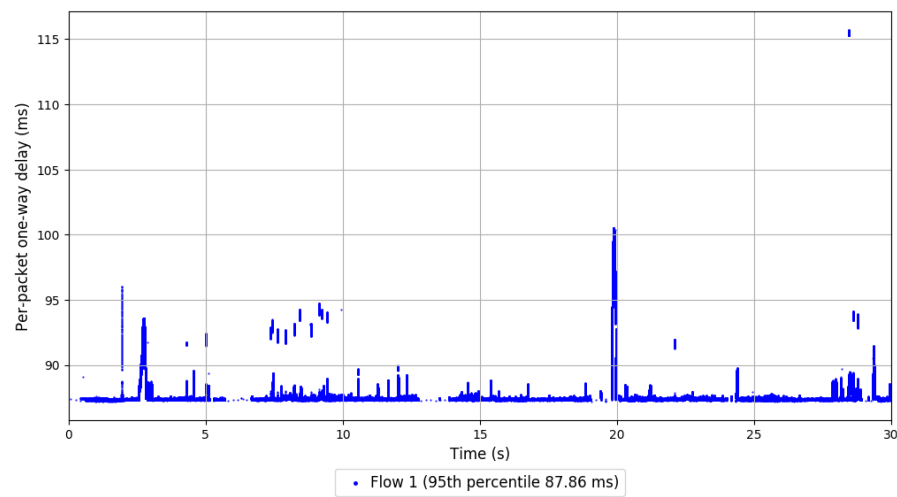
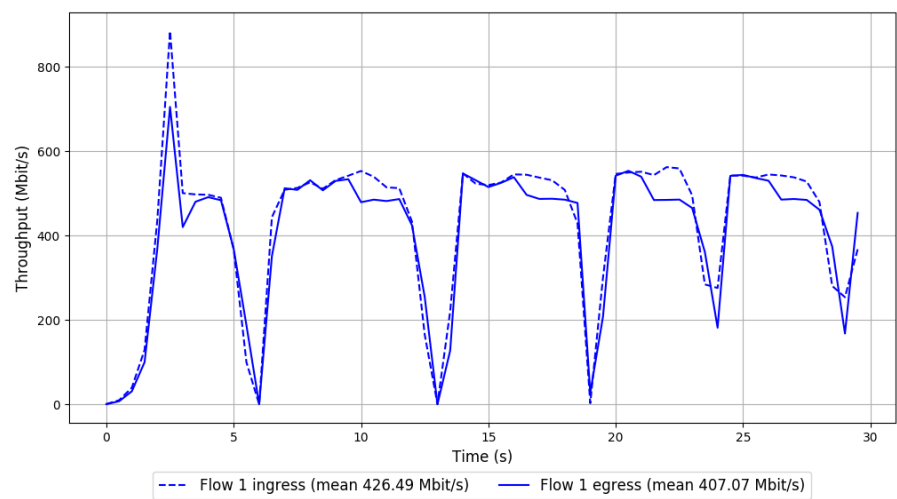


Run 6: Statistics of PCC

Start at: 2017-09-03 06:01:28  
End at: 2017-09-03 06:01:58  
Local clock offset: 0.386 ms  
Remote clock offset: -1.957 ms

# Below is generated by plot.py at 2017-09-03 08:33:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 407.07 Mbit/s  
95th percentile per-packet one-way delay: 87.864 ms  
Loss rate: 4.55%  
-- Flow 1:  
Average throughput: 407.07 Mbit/s  
95th percentile per-packet one-way delay: 87.864 ms  
Loss rate: 4.55%

Run 6: Report of PCC — Data Link



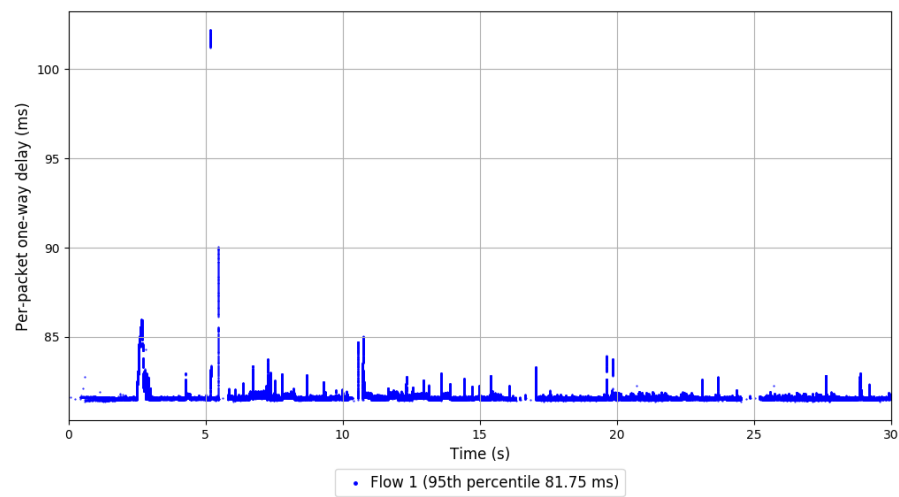
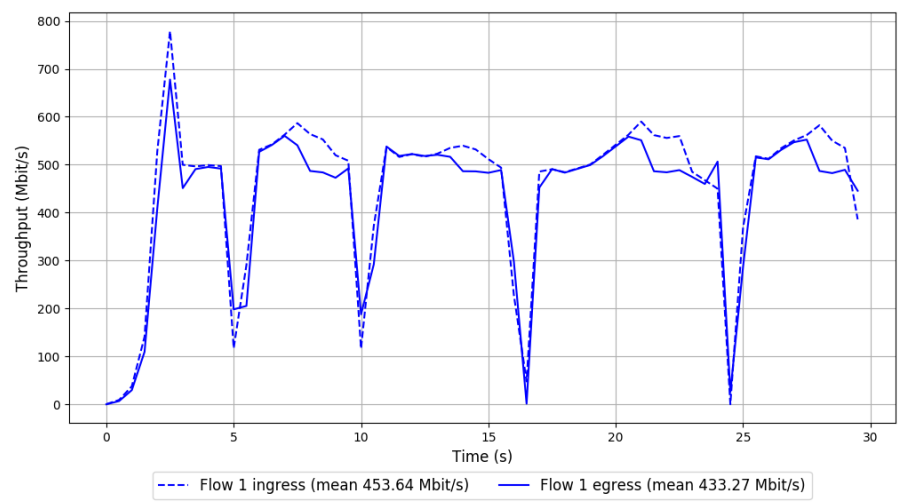
Run 7: Statistics of PCC

Start at: 2017-09-03 06:21:20  
End at: 2017-09-03 06:21:50  
Local clock offset: 0.409 ms  
Remote clock offset: -7.414 ms

# Below is generated by plot.py at 2017-09-03 08:34:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 433.27 Mbit/s  
95th percentile per-packet one-way delay: 81.750 ms  
Loss rate: 4.49%  
-- Flow 1:  
Average throughput: 433.27 Mbit/s  
95th percentile per-packet one-way delay: 81.750 ms  
Loss rate: 4.49%



Run 7: Report of PCC — Data Link

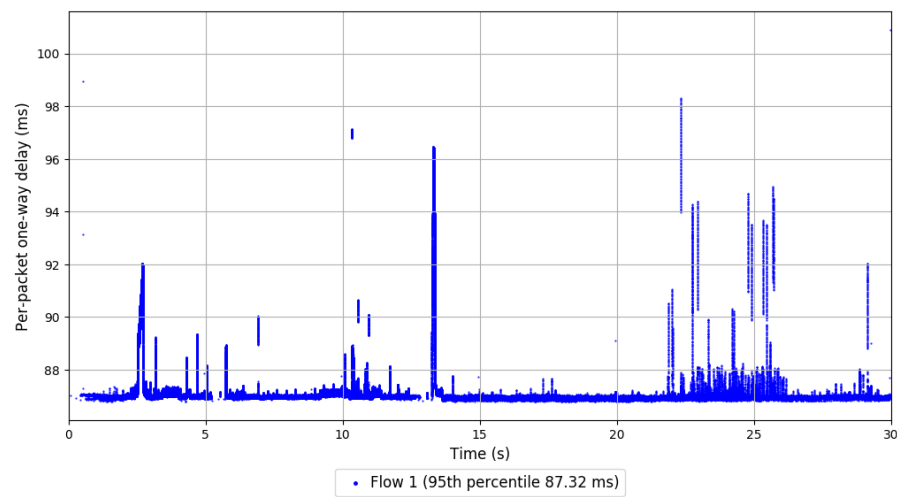
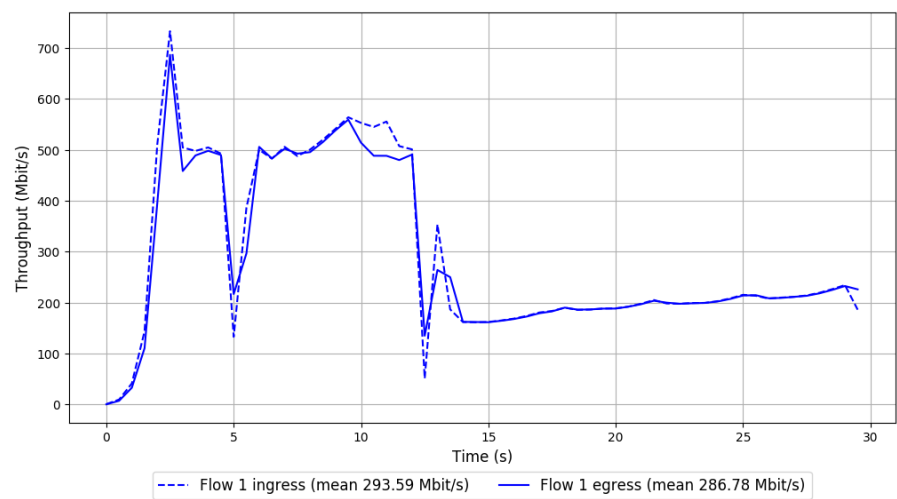


Run 8: Statistics of PCC

Start at: 2017-09-03 06:41:38  
End at: 2017-09-03 06:42:08  
Local clock offset: 0.431 ms  
Remote clock offset: -3.319 ms

# Below is generated by plot.py at 2017-09-03 08:34:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 286.78 Mbit/s  
95th percentile per-packet one-way delay: 87.323 ms  
Loss rate: 2.29%  
-- Flow 1:  
Average throughput: 286.78 Mbit/s  
95th percentile per-packet one-way delay: 87.323 ms  
Loss rate: 2.29%

Run 8: Report of PCC — Data Link

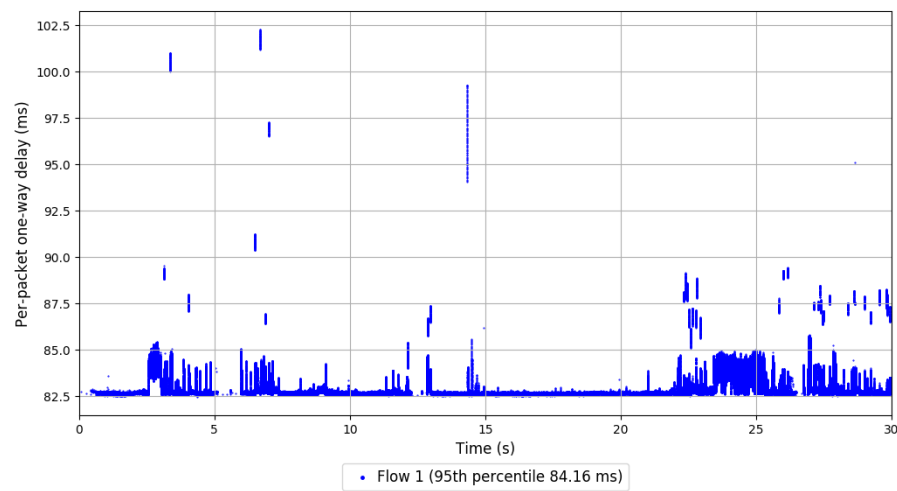
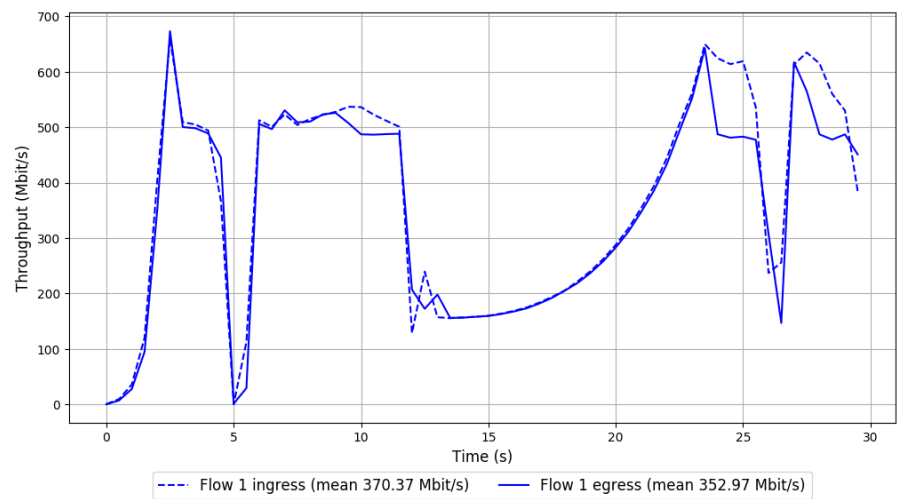


Run 9: Statistics of PCC

Start at: 2017-09-03 07:01:07  
End at: 2017-09-03 07:01:37  
Local clock offset: 0.339 ms  
Remote clock offset: -7.274 ms

# Below is generated by plot.py at 2017-09-03 08:34:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 352.97 Mbit/s  
95th percentile per-packet one-way delay: 84.160 ms  
Loss rate: 4.71%  
-- Flow 1:  
Average throughput: 352.97 Mbit/s  
95th percentile per-packet one-way delay: 84.160 ms  
Loss rate: 4.71%

Run 9: Report of PCC — Data Link

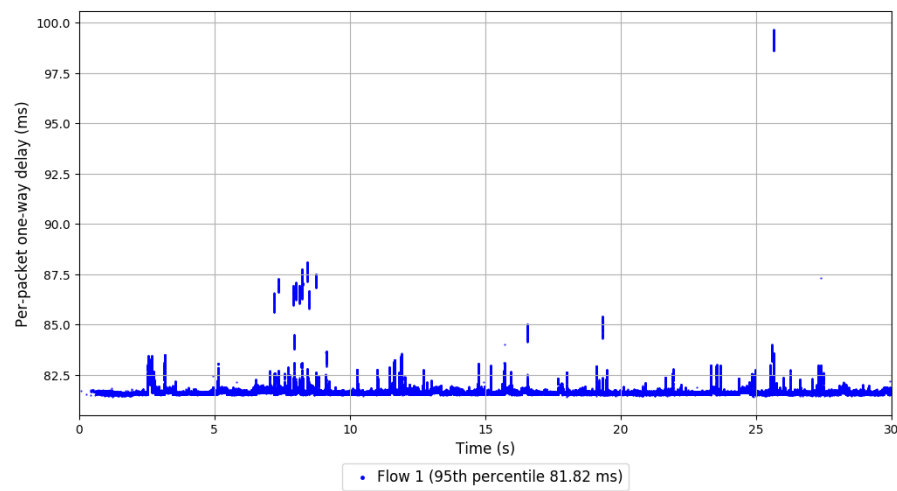
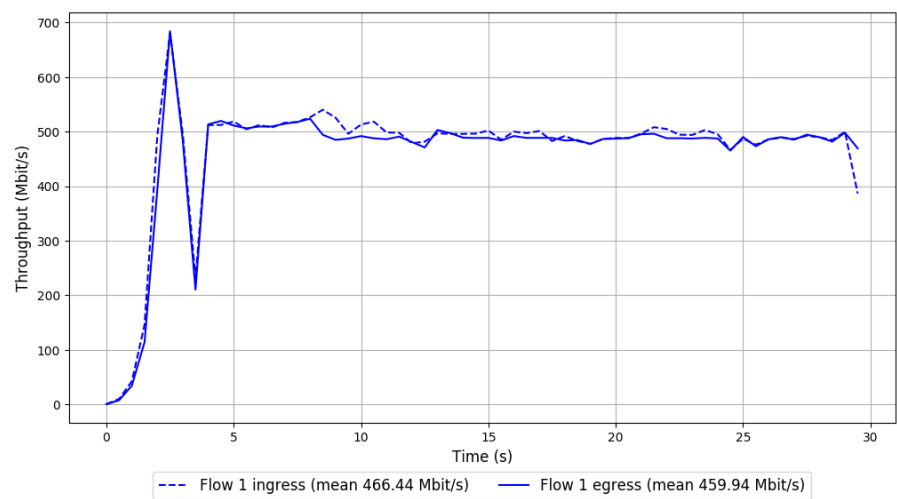


Run 10: Statistics of PCC

Start at: 2017-09-03 07:21:24  
End at: 2017-09-03 07:21:54  
Local clock offset: 0.419 ms  
Remote clock offset: -7.101 ms

# Below is generated by plot.py at 2017-09-03 08:35:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 459.94 Mbit/s  
95th percentile per-packet one-way delay: 81.821 ms  
Loss rate: 1.40%  
-- Flow 1:  
Average throughput: 459.94 Mbit/s  
95th percentile per-packet one-way delay: 81.821 ms  
Loss rate: 1.40%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-09-03 04:19:20

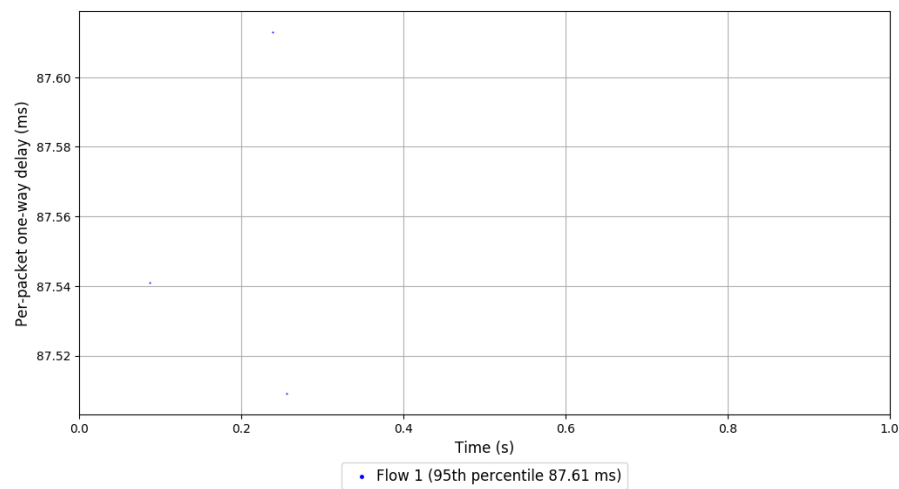
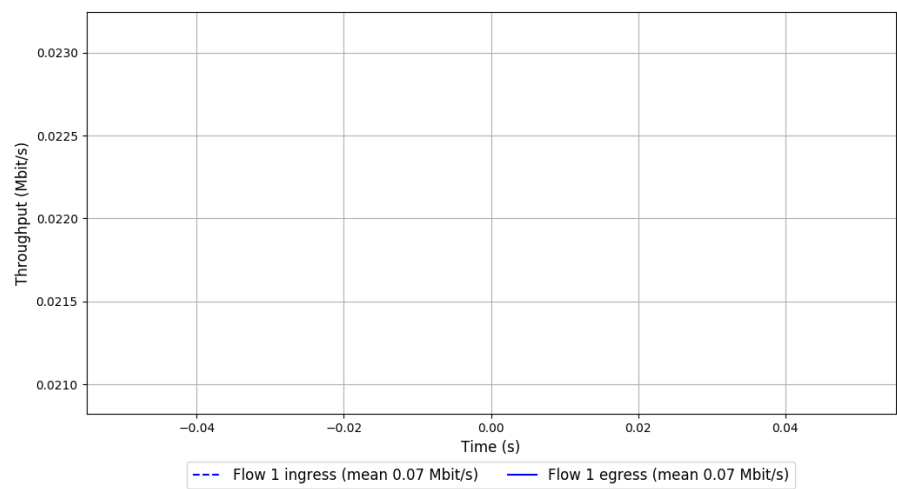
End at: 2017-09-03 04:19:50

Local clock offset: 0.185 ms

Remote clock offset: -1.764 ms



Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-09-03 04:38:54

End at: 2017-09-03 04:39:24

Local clock offset: 0.279 ms

Remote clock offset: -6.958 ms

# Below is generated by plot.py at 2017-09-03 08:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.41 Mbit/s

95th percentile per-packet one-way delay: 83.683 ms

Loss rate: 0.00%

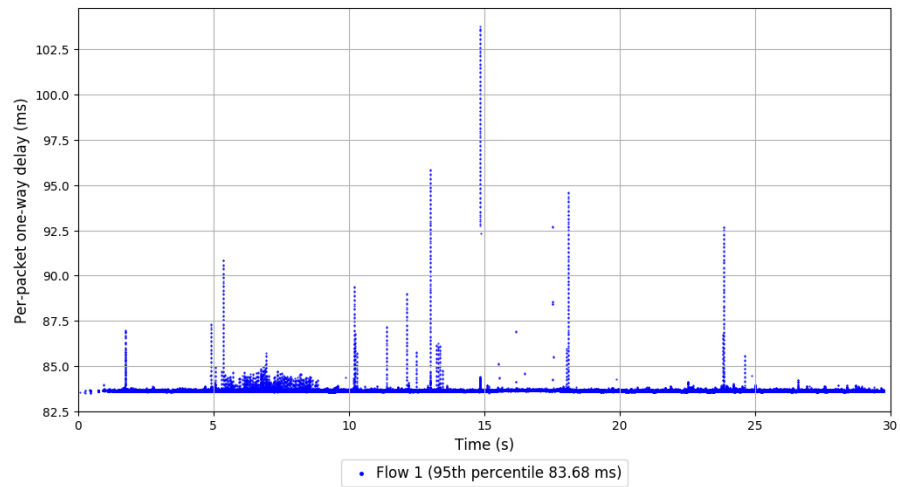
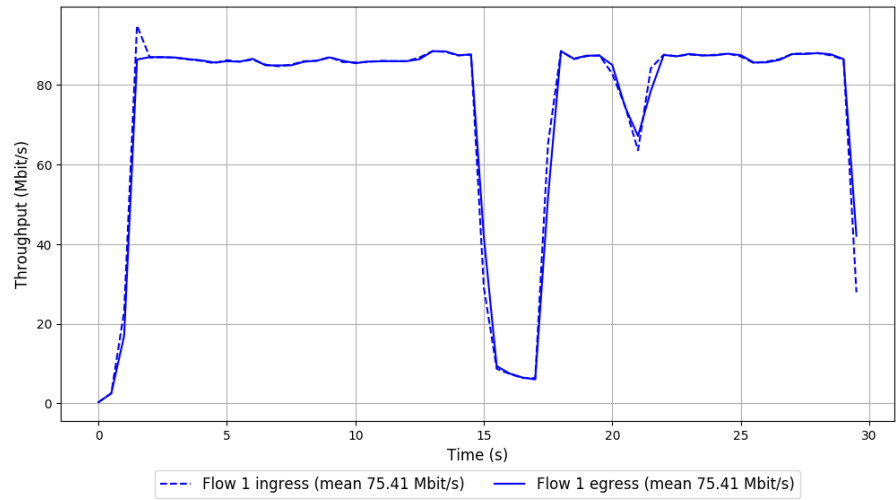
-- Flow 1:

Average throughput: 75.41 Mbit/s

95th percentile per-packet one-way delay: 83.683 ms

Loss rate: 0.00%

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



Run 3: Statistics of QUIC Cubic

Start at: 2017-09-03 04:59:02

End at: 2017-09-03 04:59:32

Local clock offset: 0.313 ms

Remote clock offset: -7.103 ms

# Below is generated by plot.py at 2017-09-03 08:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.52 Mbit/s

95th percentile per-packet one-way delay: 83.213 ms

Loss rate: 0.00%

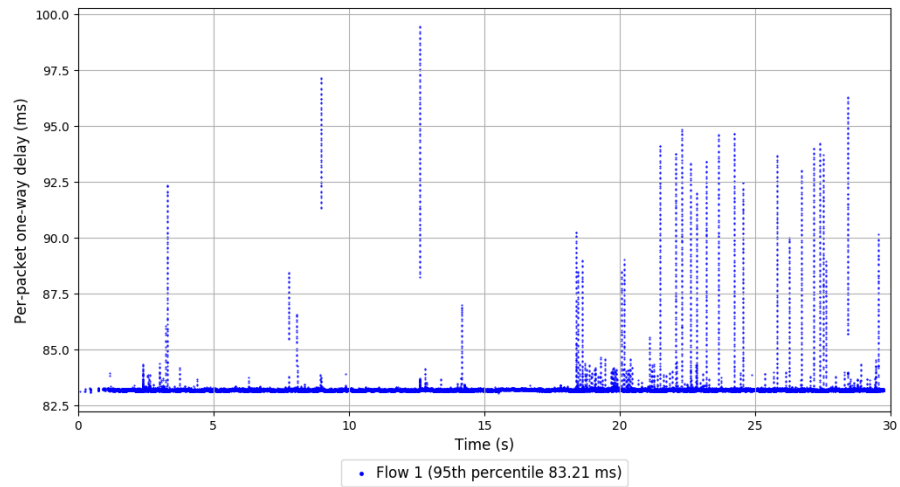
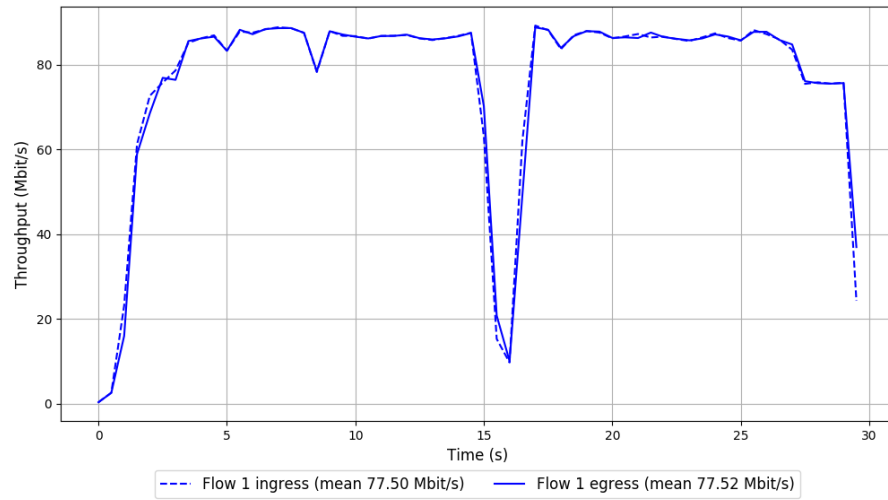
-- Flow 1:

Average throughput: 77.52 Mbit/s

95th percentile per-packet one-way delay: 83.213 ms

Loss rate: 0.00%

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



Run 4: Statistics of QUIC Cubic

Start at: 2017-09-03 05:18:49

End at: 2017-09-03 05:19:19

Local clock offset: 0.398 ms

Remote clock offset: -7.827 ms

# Below is generated by plot.py at 2017-09-03 08:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.50 Mbit/s

95th percentile per-packet one-way delay: 81.583 ms

Loss rate: 0.00%

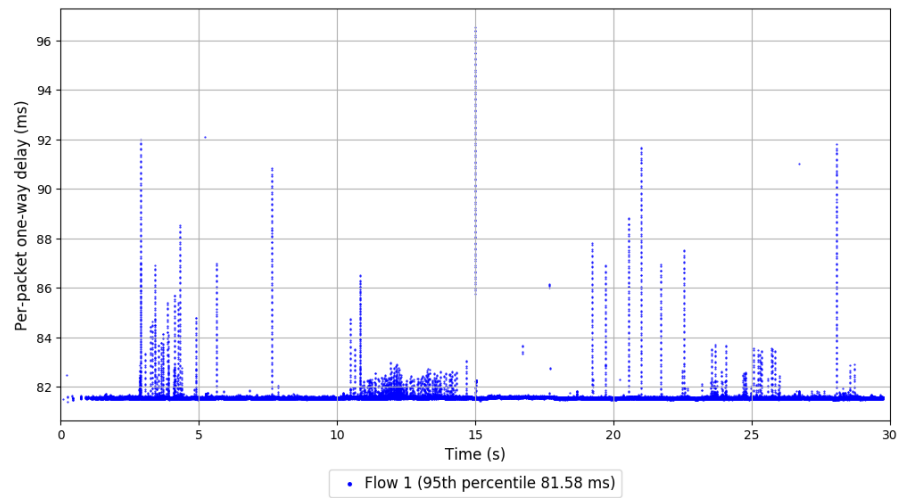
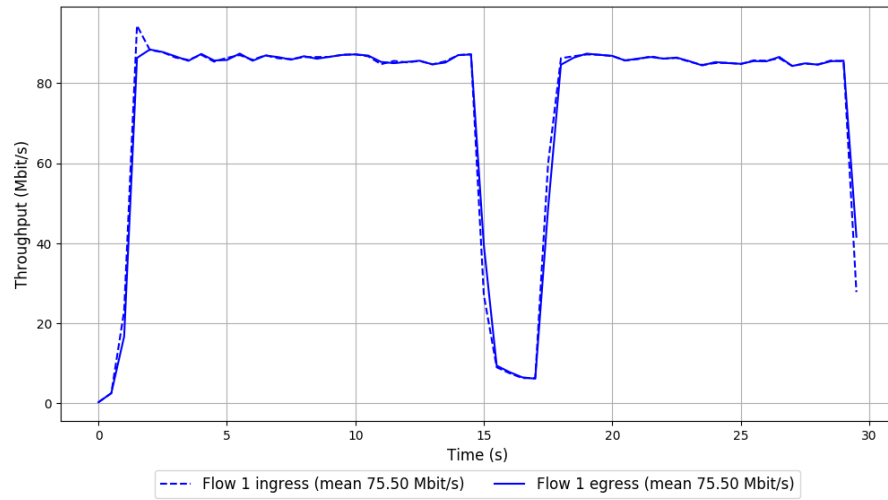
-- Flow 1:

Average throughput: 75.50 Mbit/s

95th percentile per-packet one-way delay: 81.583 ms

Loss rate: 0.00%

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



Run 5: Statistics of QUIC Cubic

Start at: 2017-09-03 05:38:44

End at: 2017-09-03 05:39:15

Local clock offset: 0.382 ms

Remote clock offset: -2.907 ms

# Below is generated by plot.py at 2017-09-03 08:35:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.74 Mbit/s

95th percentile per-packet one-way delay: 86.572 ms

Loss rate: 0.00%

-- Flow 1:

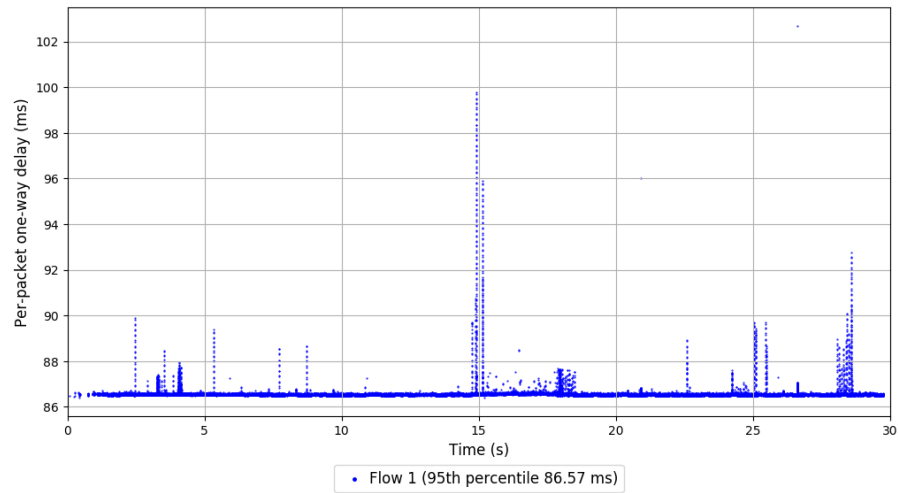
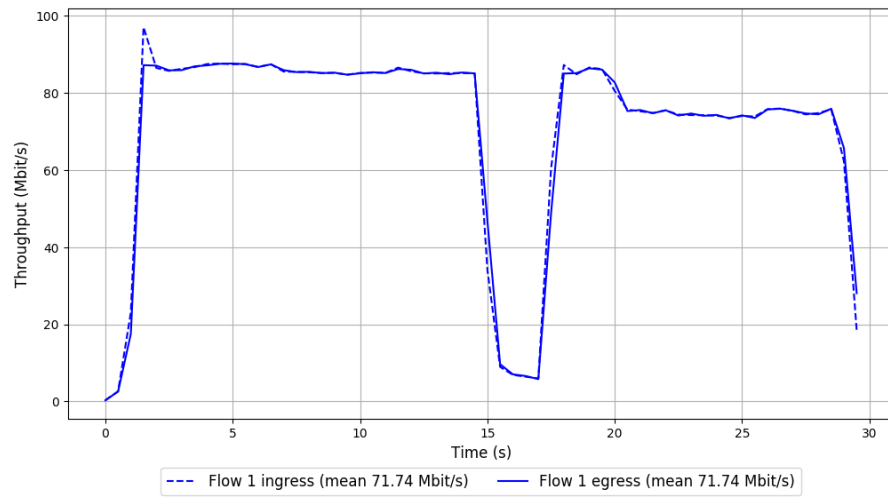
Average throughput: 71.74 Mbit/s

95th percentile per-packet one-way delay: 86.572 ms

Loss rate: 0.00%



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



Run 6: Statistics of QUIC Cubic

Start at: 2017-09-03 05:58:52

End at: 2017-09-03 05:59:22

Local clock offset: 0.341 ms

Remote clock offset: -7.753 ms

# Below is generated by plot.py at 2017-09-03 08:35:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.86 Mbit/s

95th percentile per-packet one-way delay: 82.203 ms

Loss rate: 0.00%

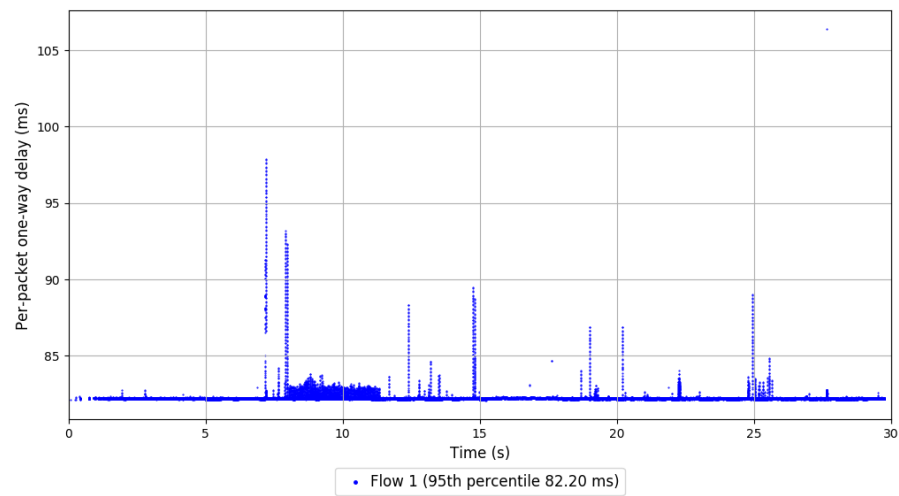
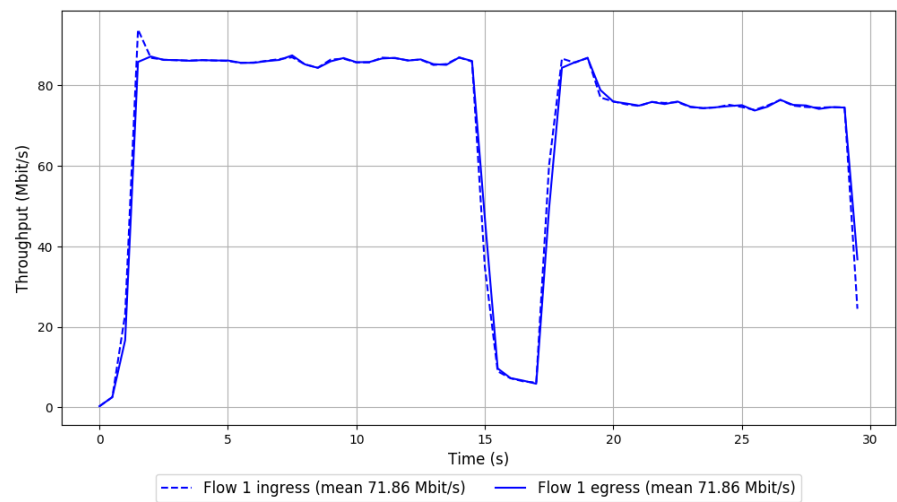
-- Flow 1:

Average throughput: 71.86 Mbit/s

95th percentile per-packet one-way delay: 82.203 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-09-03 06:18:46

End at: 2017-09-03 06:19:16

Local clock offset: 0.344 ms

Remote clock offset: -7.518 ms

# Below is generated by plot.py at 2017-09-03 08:35:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.22 Mbit/s

95th percentile per-packet one-way delay: 81.462 ms

Loss rate: 0.00%

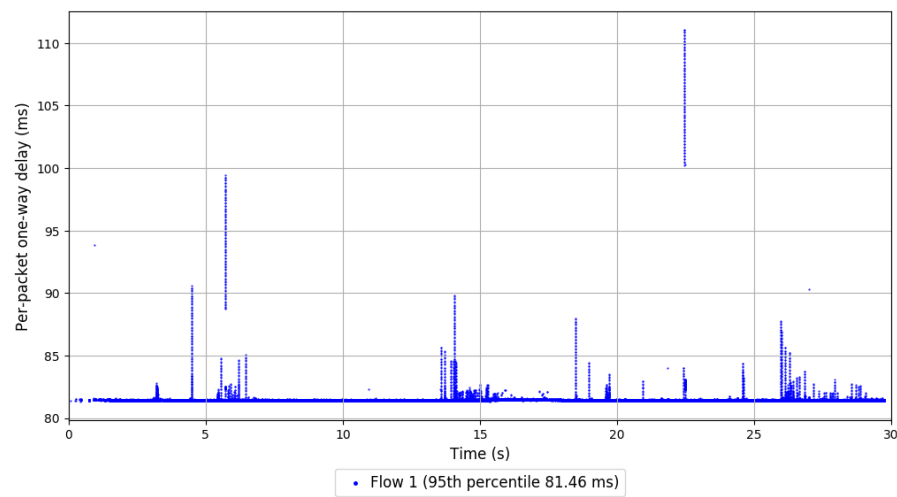
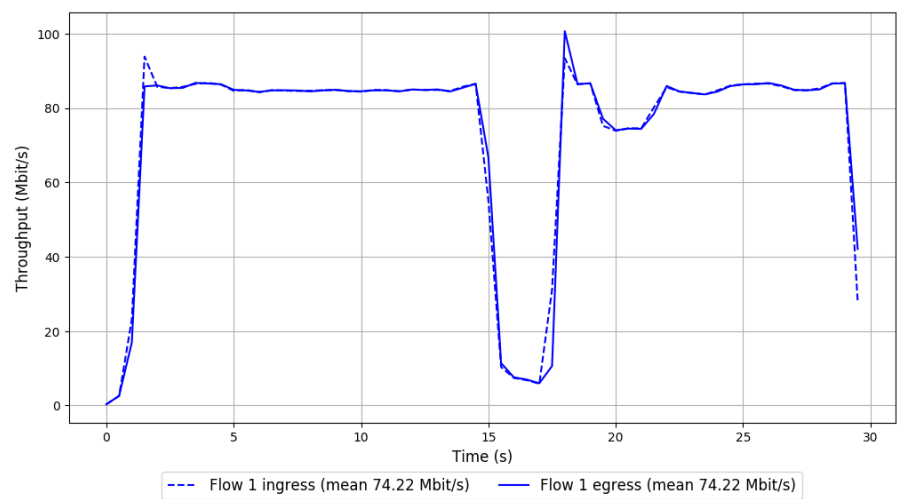
-- Flow 1:

Average throughput: 74.22 Mbit/s

95th percentile per-packet one-way delay: 81.462 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-09-03 06:39:02

End at: 2017-09-03 06:39:32

Local clock offset: 0.431 ms

Remote clock offset: -2.515 ms

# Below is generated by plot.py at 2017-09-03 08:35:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.88 Mbit/s

95th percentile per-packet one-way delay: 87.585 ms

Loss rate: 0.00%

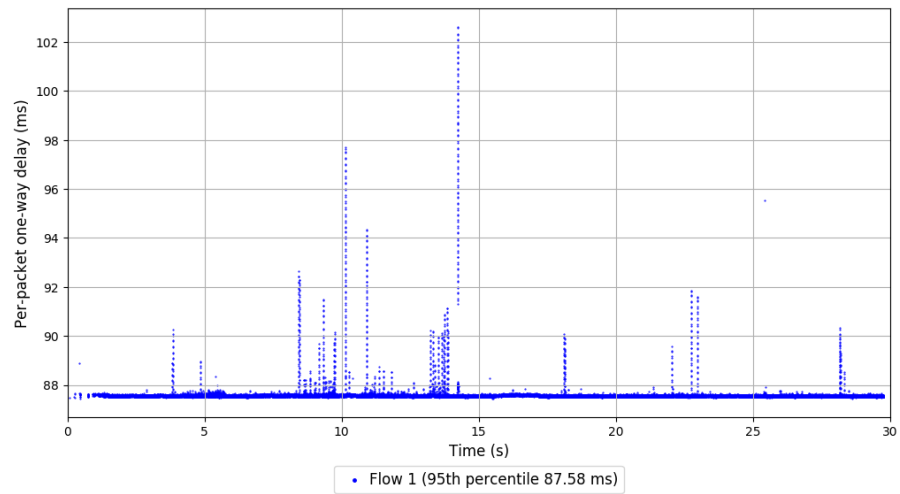
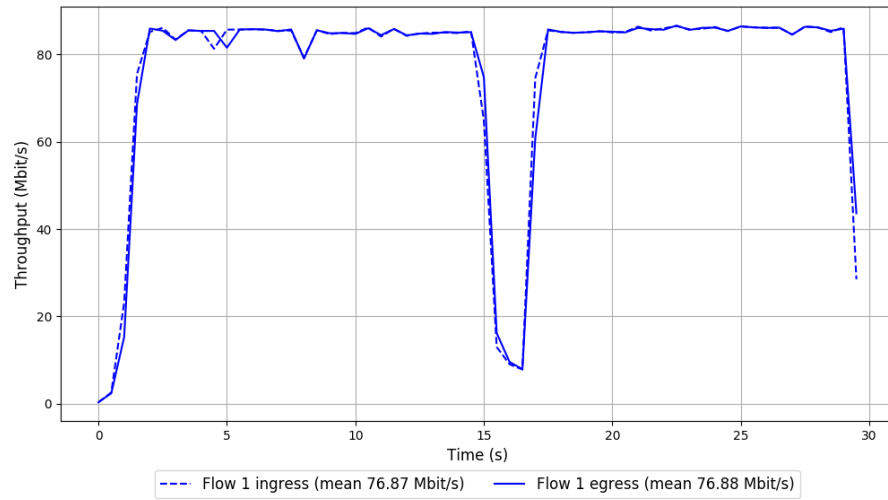
-- Flow 1:

Average throughput: 76.88 Mbit/s

95th percentile per-packet one-way delay: 87.585 ms

Loss rate: 0.00%

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



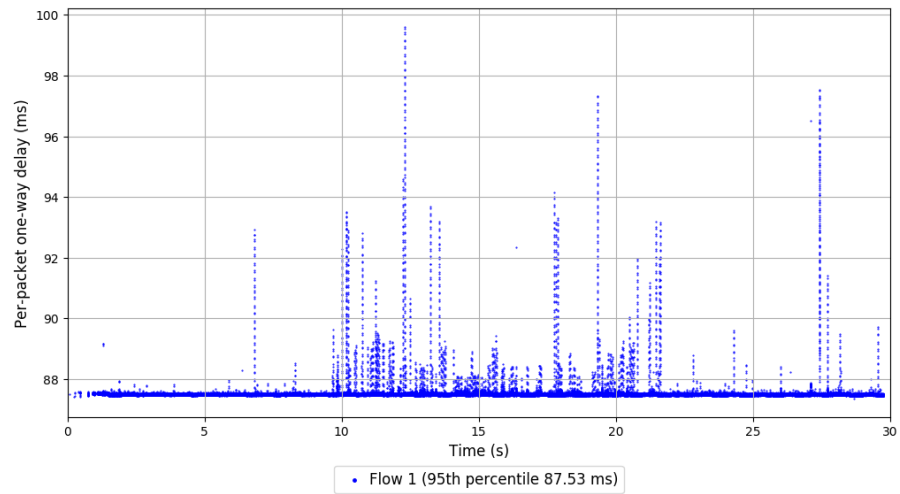
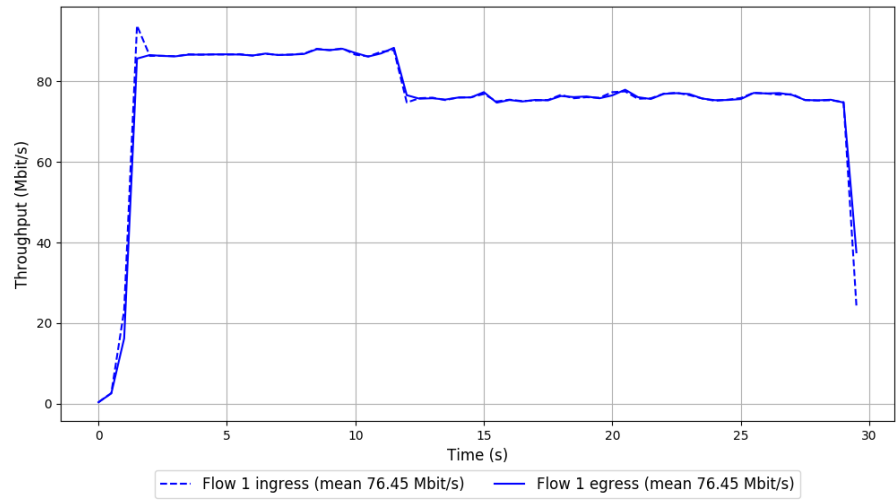
Run 9: Statistics of QUIC Cubic

Start at: 2017-09-03 06:58:30  
End at: 2017-09-03 06:59:00  
Local clock offset: 0.385 ms  
Remote clock offset: -1.512 ms

# Below is generated by plot.py at 2017-09-03 08:35:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.45 Mbit/s  
95th percentile per-packet one-way delay: 87.532 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 76.45 Mbit/s  
95th percentile per-packet one-way delay: 87.532 ms  
Loss rate: 0.00%



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



Run 10: Statistics of QUIC Cubic

Start at: 2017-09-03 07:18:47

End at: 2017-09-03 07:19:17

Local clock offset: 0.446 ms

Remote clock offset: -7.178 ms

# Below is generated by plot.py at 2017-09-03 08:36:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.28 Mbit/s

95th percentile per-packet one-way delay: 81.451 ms

Loss rate: 0.00%

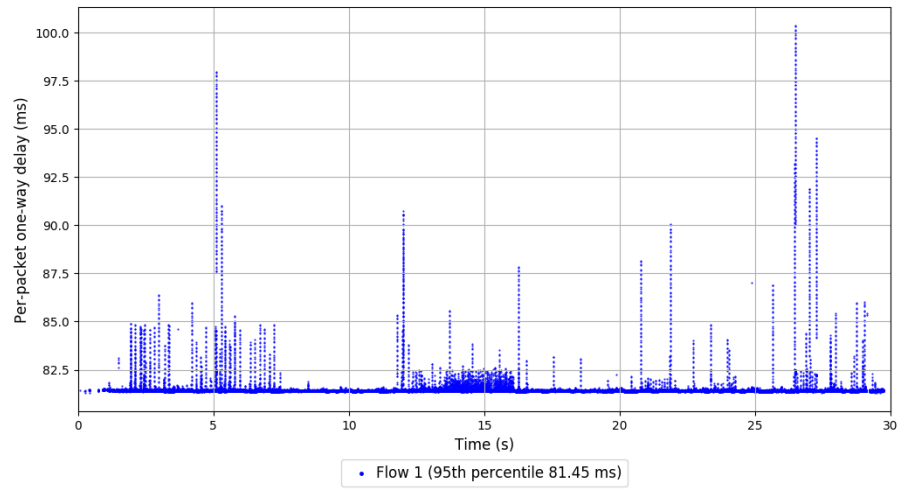
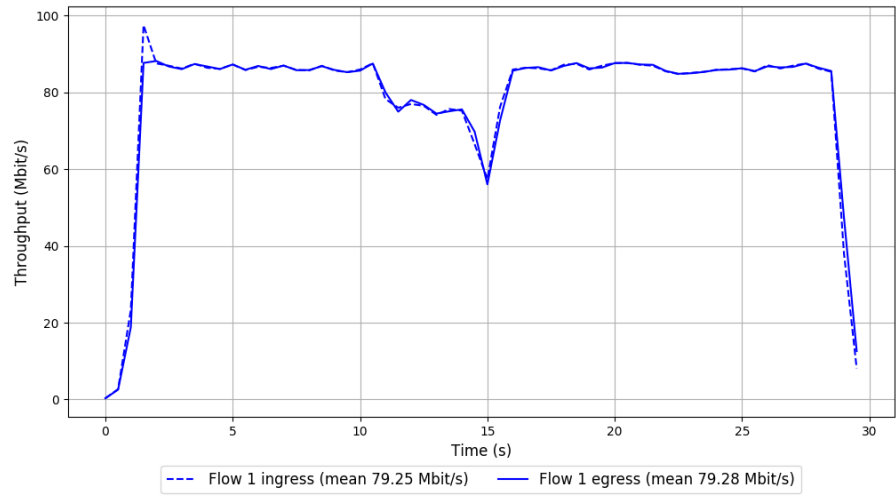
-- Flow 1:

Average throughput: 79.28 Mbit/s

95th percentile per-packet one-way delay: 81.451 ms

Loss rate: 0.00%

# Run 10: Report of QUIC Cubic — Data Link

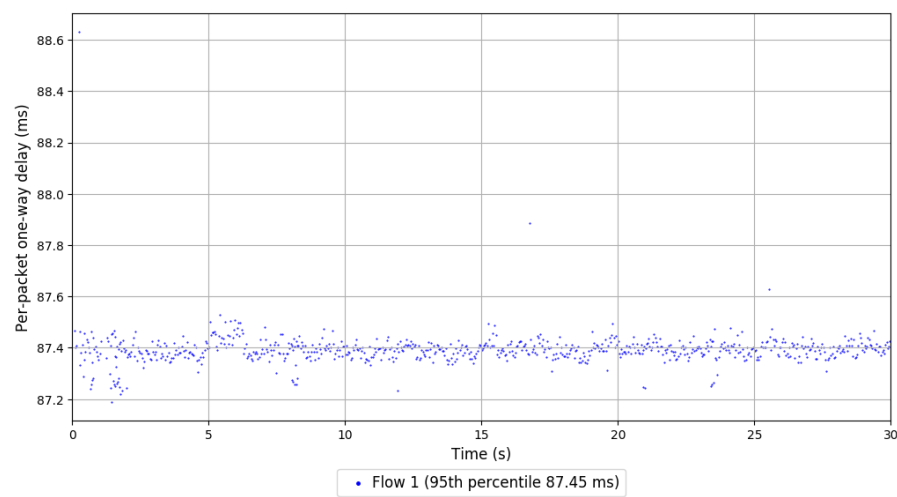
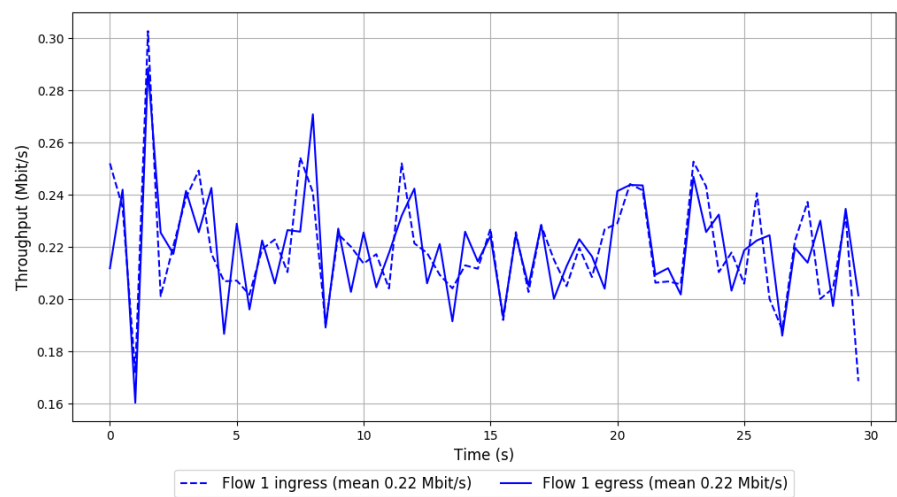


Run 1: Statistics of SCReAM

Start at: 2017-09-03 04:23:11  
End at: 2017-09-03 04:23:41  
Local clock offset: 0.17 ms  
Remote clock offset: -1.871 ms

# Below is generated by plot.py at 2017-09-03 08:36:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 87.454 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 87.454 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2017-09-03 04:43:19

End at: 2017-09-03 04:43:49

Local clock offset: 0.304 ms

Remote clock offset: -3.01 ms

# Below is generated by plot.py at 2017-09-03 08:36:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.715 ms

Loss rate: 0.00%

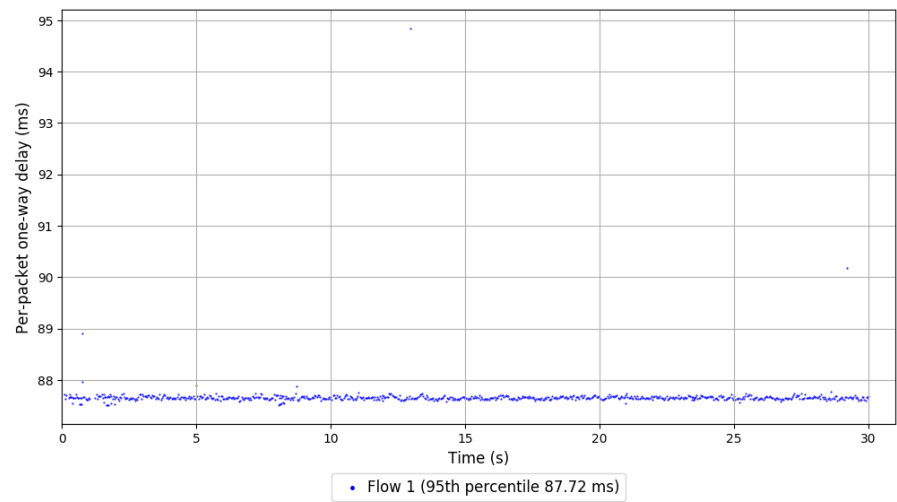
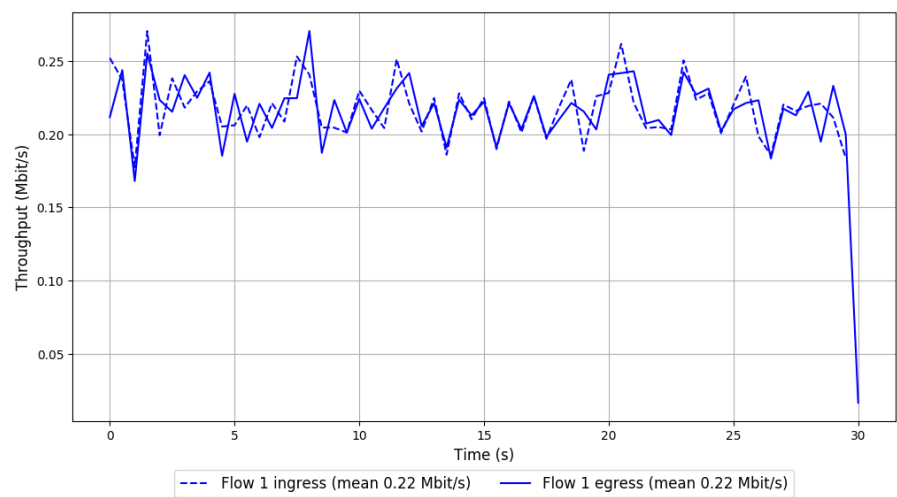
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.715 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



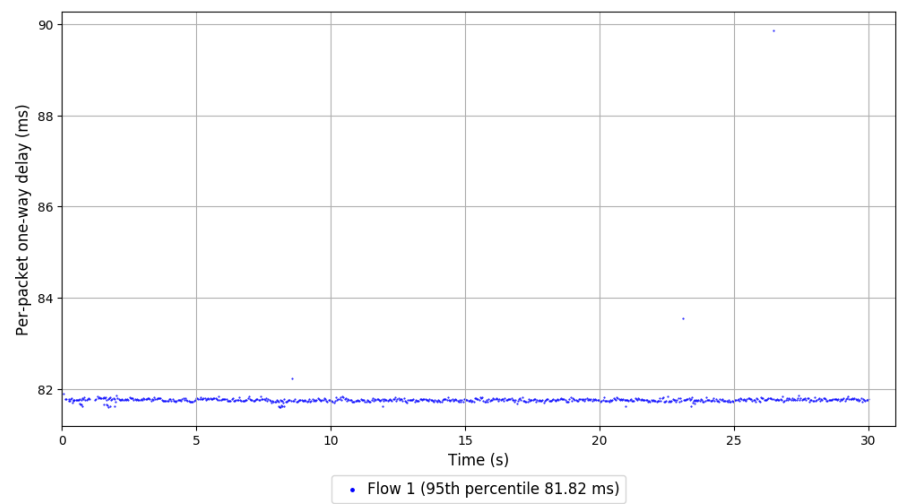
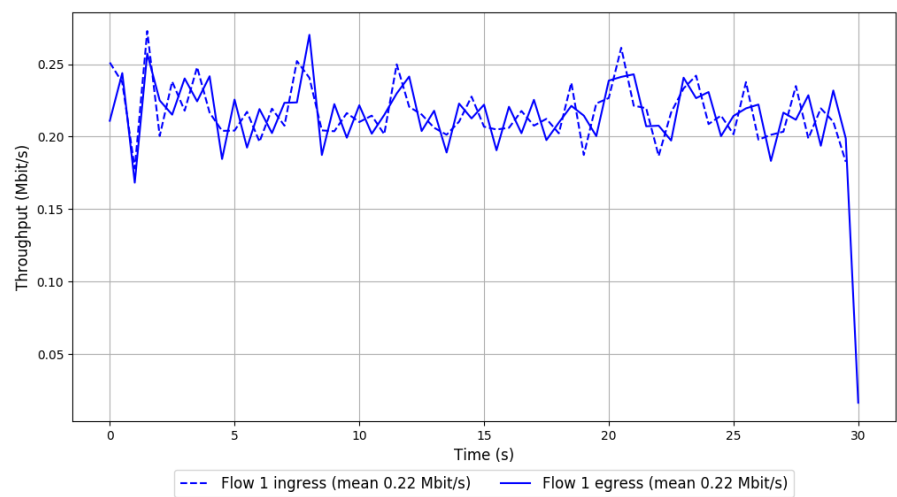
Run 3: Statistics of SCReAM

Start at: 2017-09-03 05:03:01  
End at: 2017-09-03 05:03:31  
Local clock offset: 0.452 ms  
Remote clock offset: -7.889 ms

# Below is generated by plot.py at 2017-09-03 08:36:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.816 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.816 ms  
Loss rate: 0.00%



Run 3: Report of SReAM — Data Link

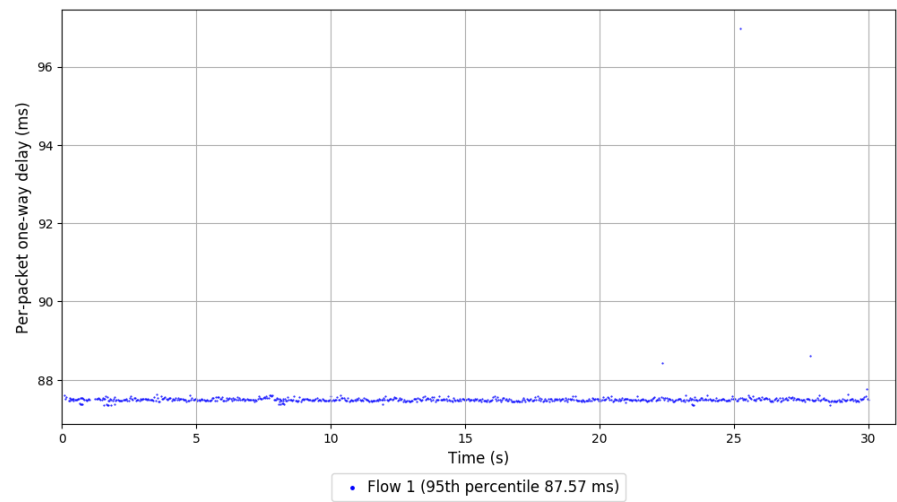
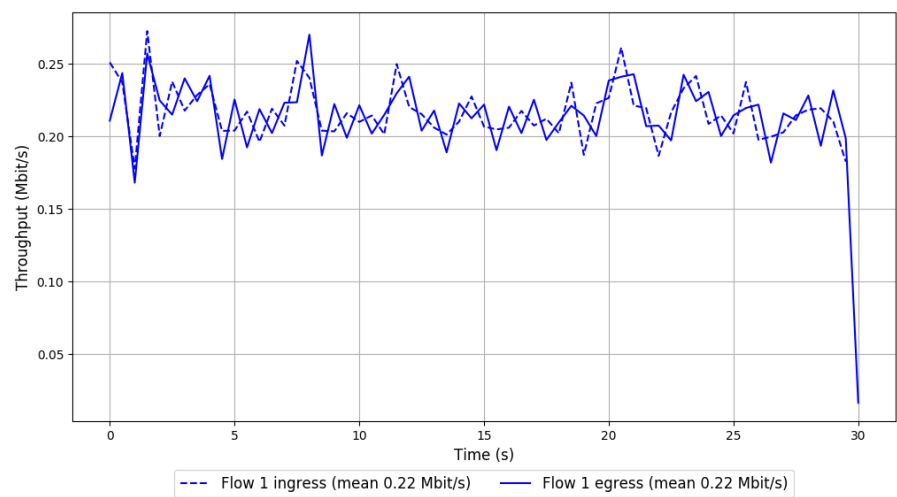


Run 4: Statistics of SCReAM

Start at: 2017-09-03 05:23:11  
End at: 2017-09-03 05:23:41  
Local clock offset: 0.407 ms  
Remote clock offset: -2.941 ms

# Below is generated by plot.py at 2017-09-03 08:36:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 87.569 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 87.569 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

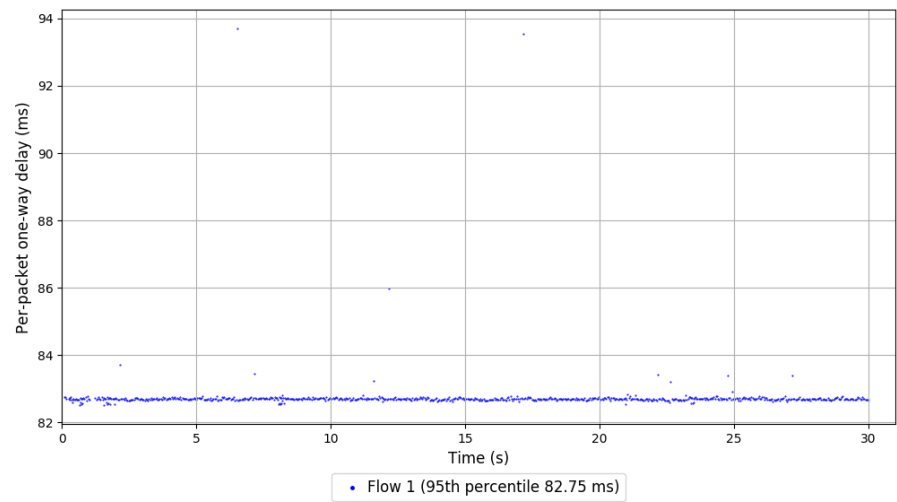
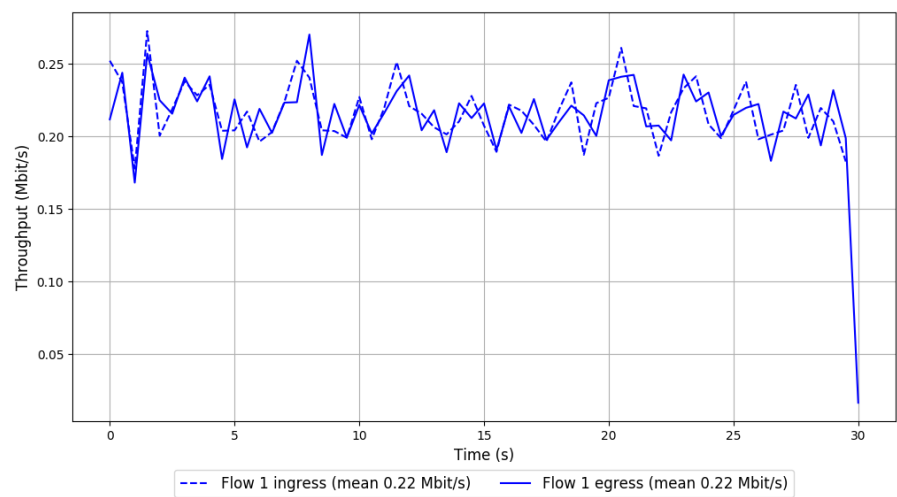


Run 5: Statistics of SReAM

Start at: 2017-09-03 05:43:04  
End at: 2017-09-03 05:43:34  
Local clock offset: 0.345 ms  
Remote clock offset: -7.777 ms

# Below is generated by plot.py at 2017-09-03 08:36:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 82.748 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 82.748 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

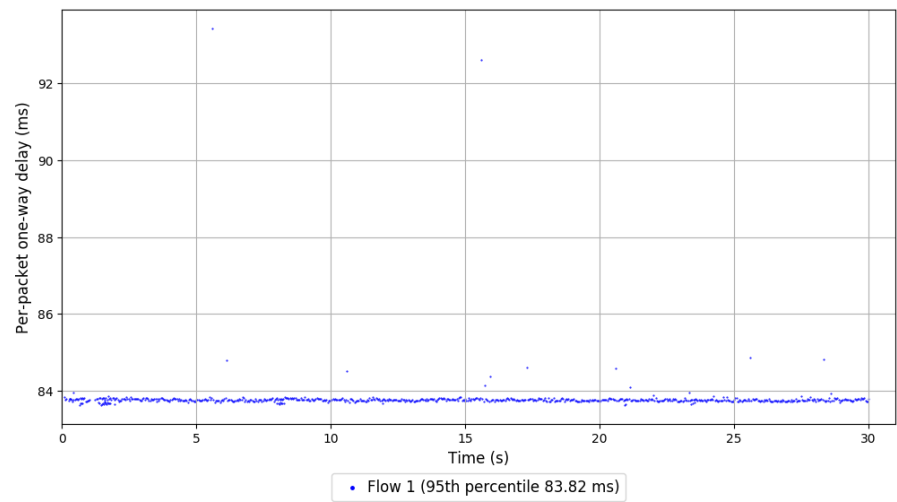
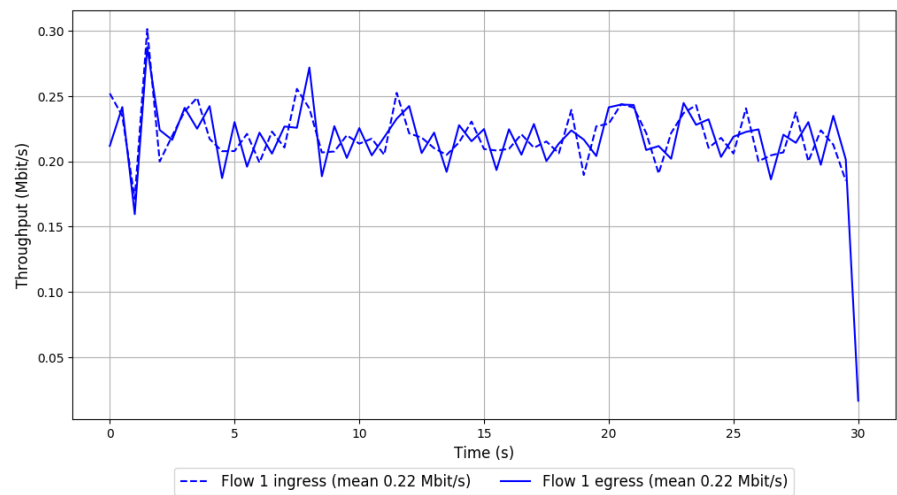


Run 6: Statistics of SCReAM

Start at: 2017-09-03 06:03:02  
End at: 2017-09-03 06:03:33  
Local clock offset: 0.328 ms  
Remote clock offset: -6.728 ms

# Below is generated by plot.py at 2017-09-03 08:36:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 83.821 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 83.821 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



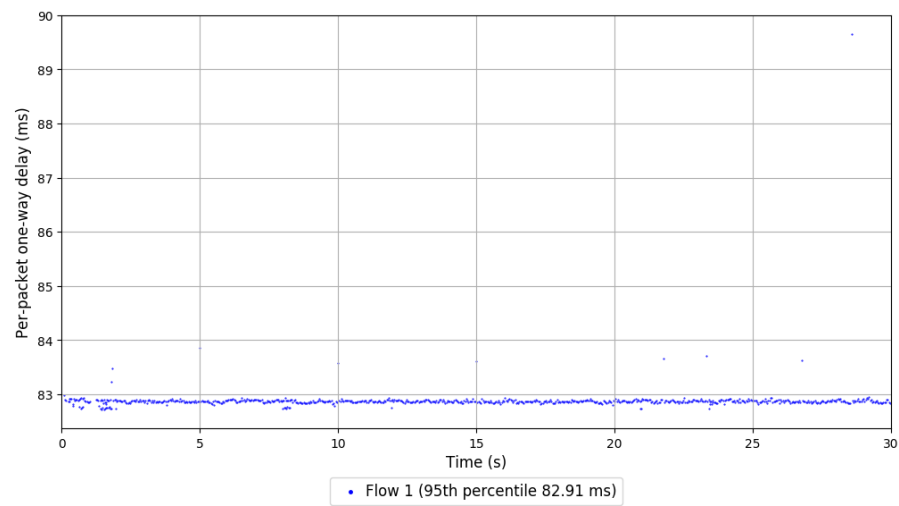
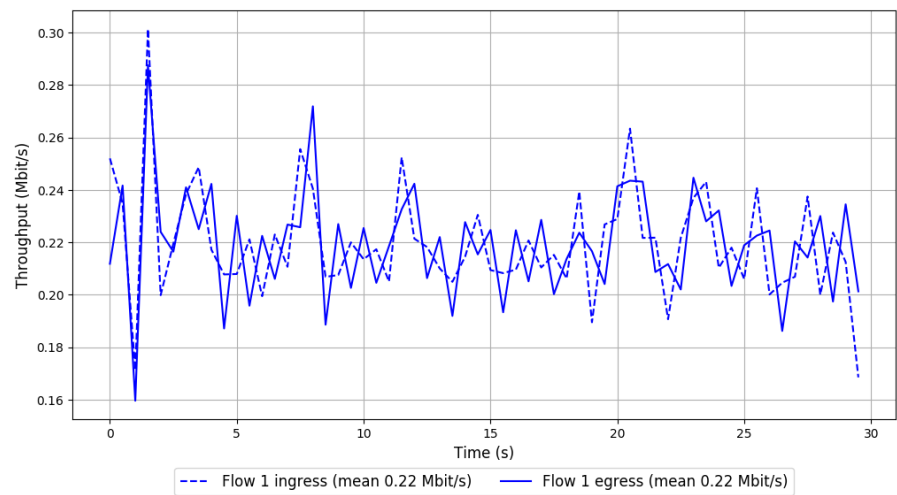
Run 7: Statistics of SCReAM

Start at: 2017-09-03 06:23:01  
End at: 2017-09-03 06:23:31  
Local clock offset: 0.36 ms  
Remote clock offset: -7.413 ms

# Below is generated by plot.py at 2017-09-03 08:36:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 82.912 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 82.912 ms  
Loss rate: 0.00%



Run 7: Report of SReAM — Data Link

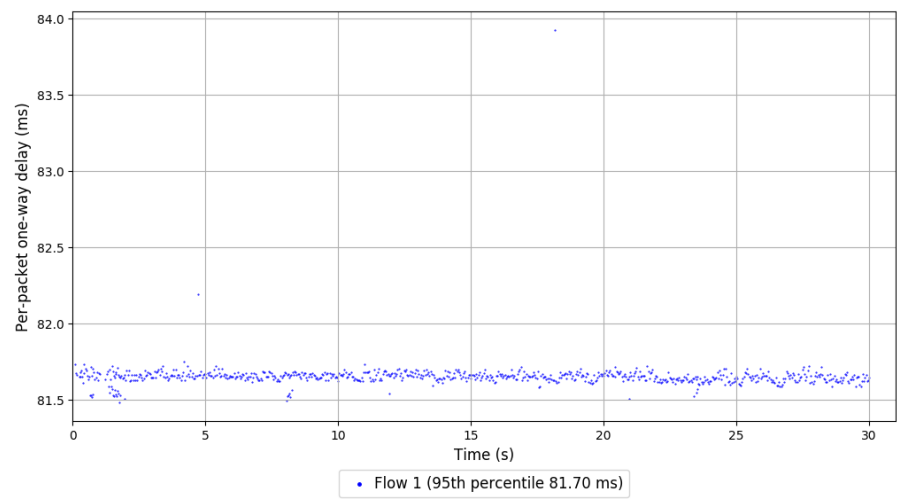
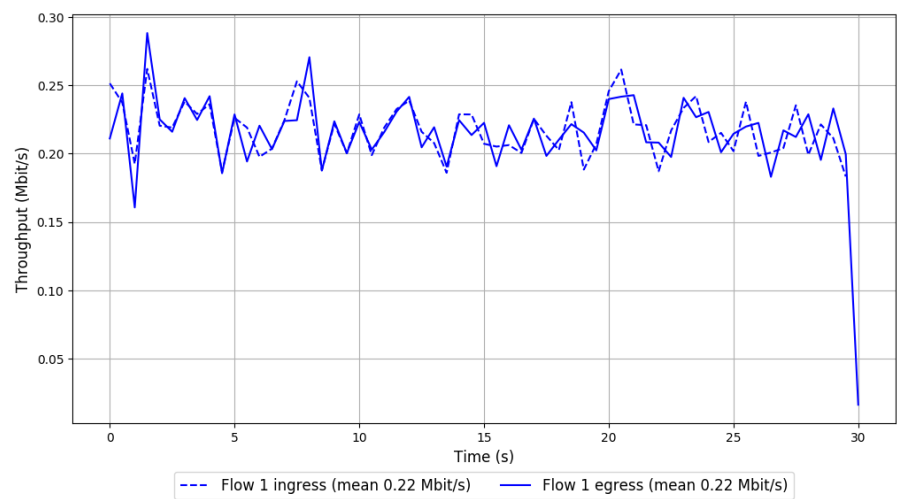


Run 8: Statistics of SCReAM

Start at: 2017-09-03 06:43:07  
End at: 2017-09-03 06:43:37  
Local clock offset: 0.369 ms  
Remote clock offset: -7.264 ms

# Below is generated by plot.py at 2017-09-03 08:36:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.700 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.700 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2017-09-03 07:02:44

End at: 2017-09-03 07:03:14

Local clock offset: 0.414 ms

Remote clock offset: -6.34 ms

# Below is generated by plot.py at 2017-09-03 08:36:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.620 ms

Loss rate: 0.12%

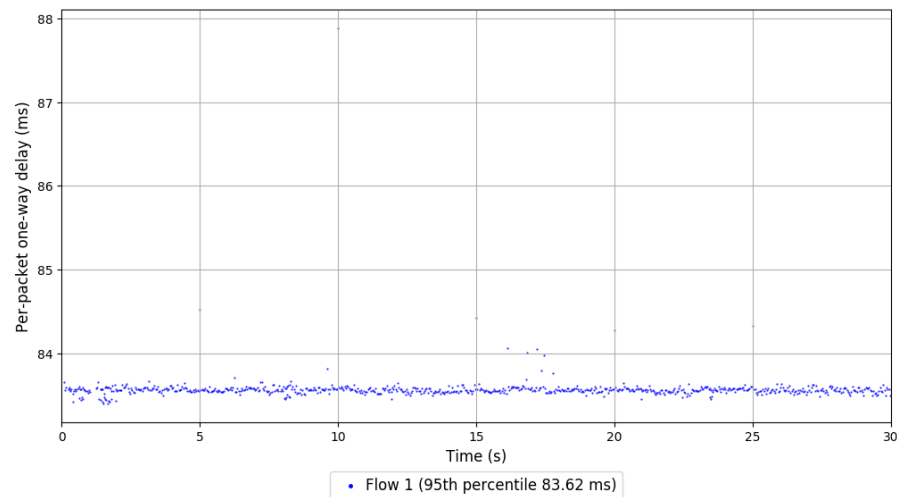
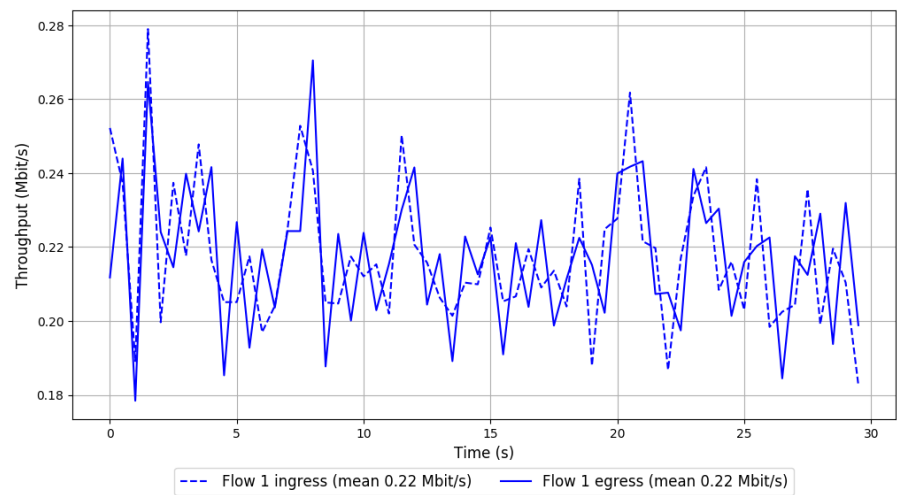
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.620 ms

Loss rate: 0.12%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2017-09-03 07:22:57

End at: 2017-09-03 07:23:27

Local clock offset: 0.463 ms

Remote clock offset: -7.072 ms

# Below is generated by plot.py at 2017-09-03 08:36:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.847 ms

Loss rate: 0.00%

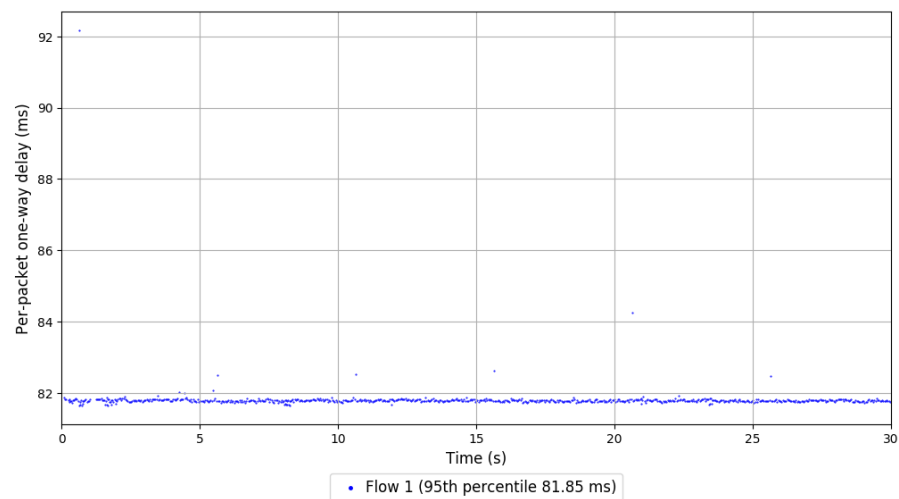
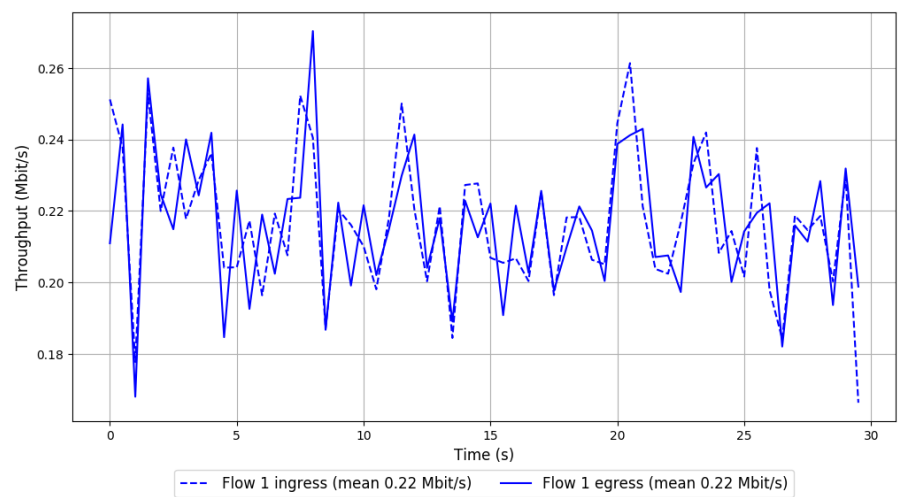
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.847 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



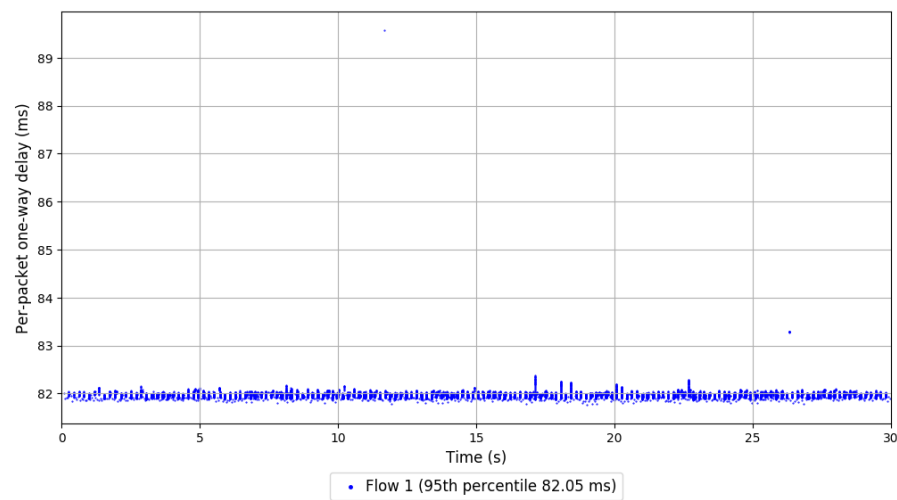
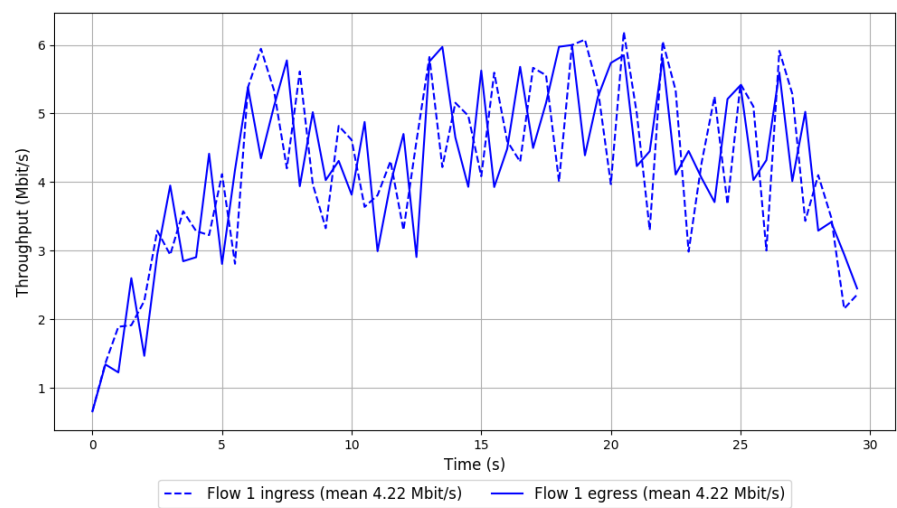
Run 1: Statistics of Sprout

Start at: 2017-09-03 04:10:06  
End at: 2017-09-03 04:10:36  
Local clock offset: 0.27 ms  
Remote clock offset: -7.431 ms

# Below is generated by plot.py at 2017-09-03 08:36:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.22 Mbit/s  
95th percentile per-packet one-way delay: 82.046 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 4.22 Mbit/s  
95th percentile per-packet one-way delay: 82.046 ms  
Loss rate: 0.00%



Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

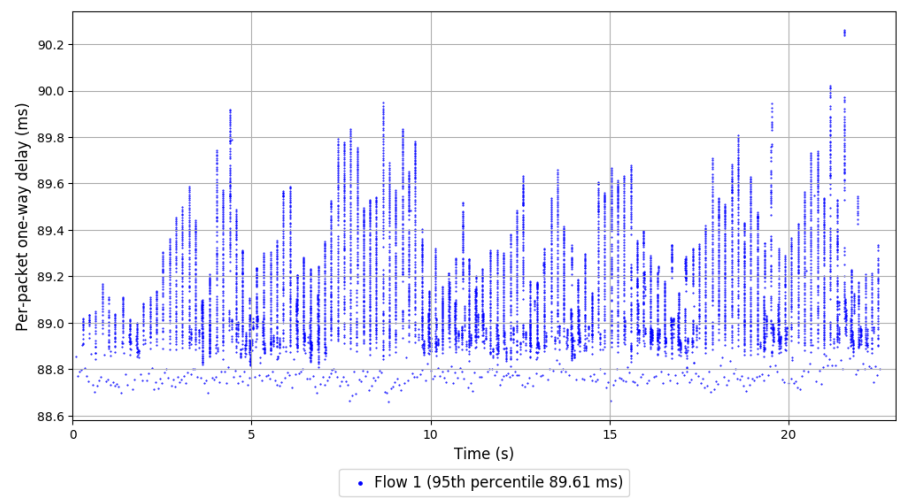
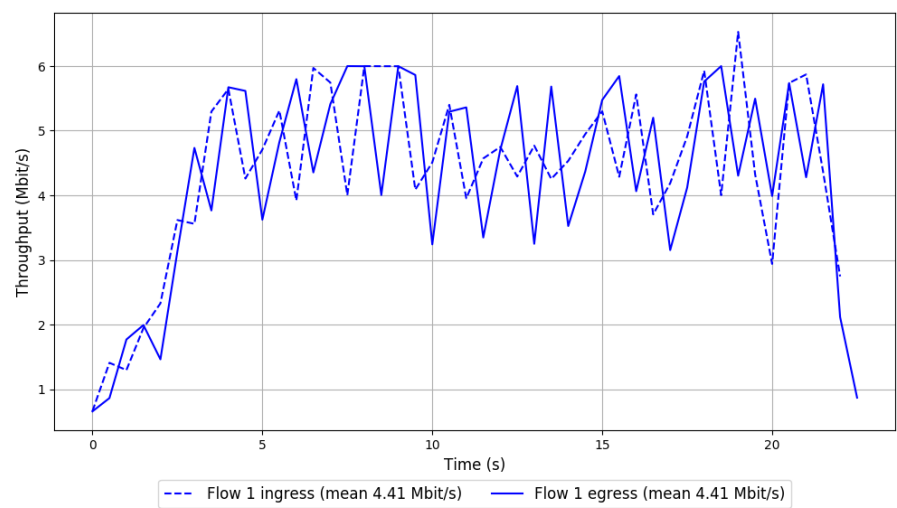
Start at: 2017-09-03 04:29:33

End at: 2017-09-03 04:30:03

Local clock offset: 0.267 ms

Remote clock offset: -1.952 ms

Run 2: Report of Sprout — Data Link

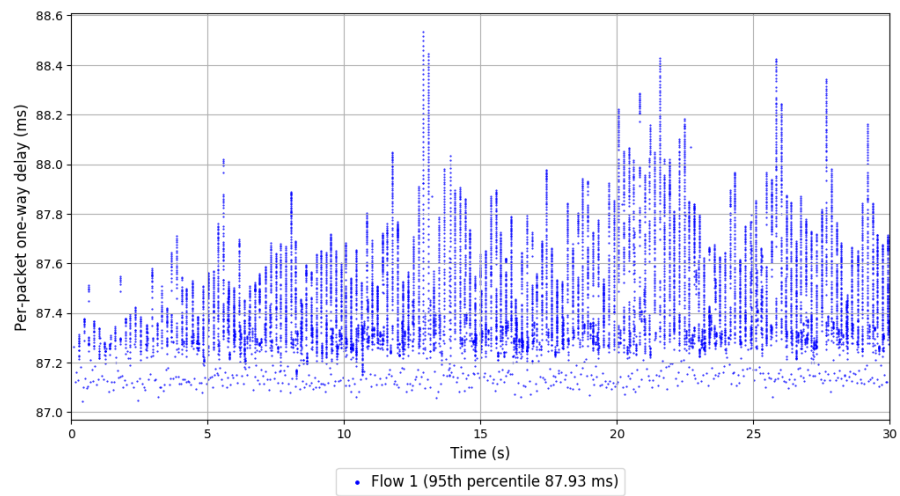
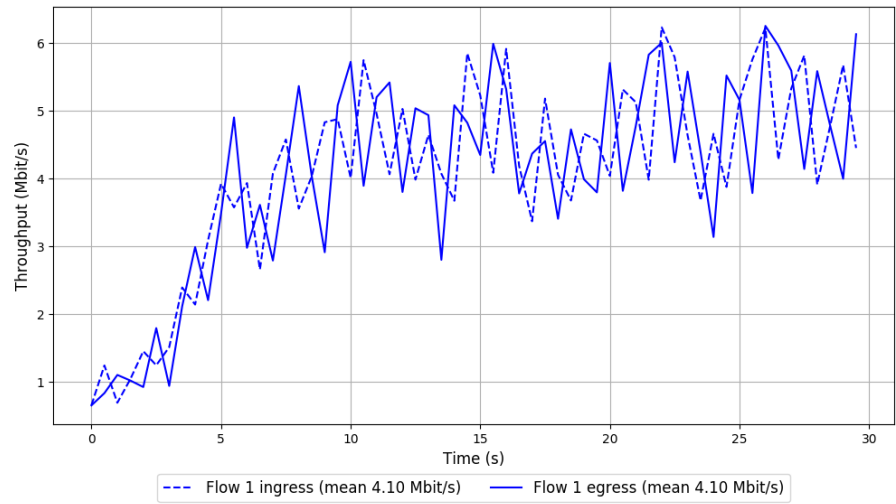


Run 3: Statistics of Sprout

Start at: 2017-09-03 04:49:41  
End at: 2017-09-03 04:50:11  
Local clock offset: 0.328 ms  
Remote clock offset: -3.067 ms

# Below is generated by plot.py at 2017-09-03 08:36:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.10 Mbit/s  
95th percentile per-packet one-way delay: 87.929 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 4.10 Mbit/s  
95th percentile per-packet one-way delay: 87.929 ms  
Loss rate: 0.00%

### Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

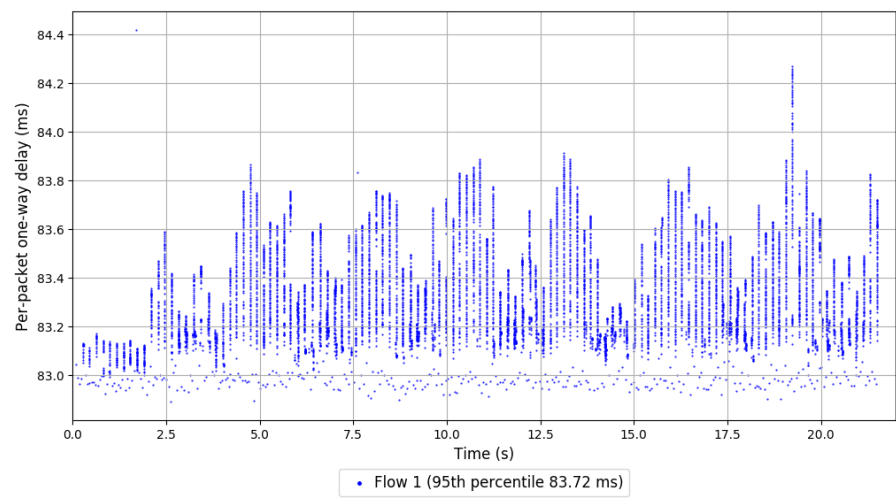
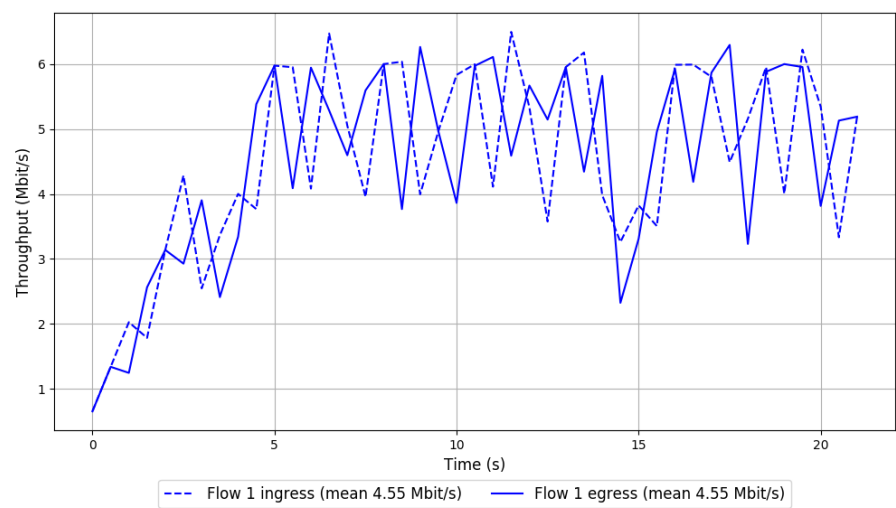
Start at: 2017-09-03 05:09:20

End at: 2017-09-03 05:09:50

Local clock offset: 0.383 ms

Remote clock offset: -7.91 ms

Run 4: Report of Sprout — Data Link



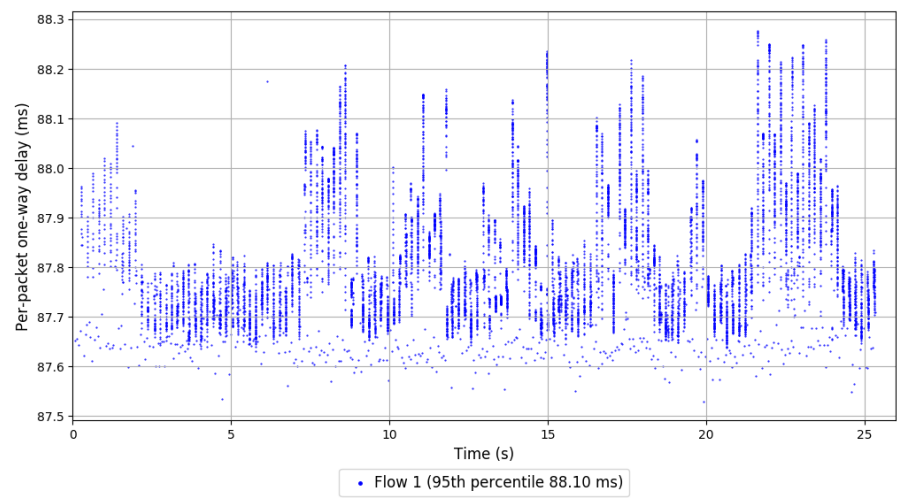
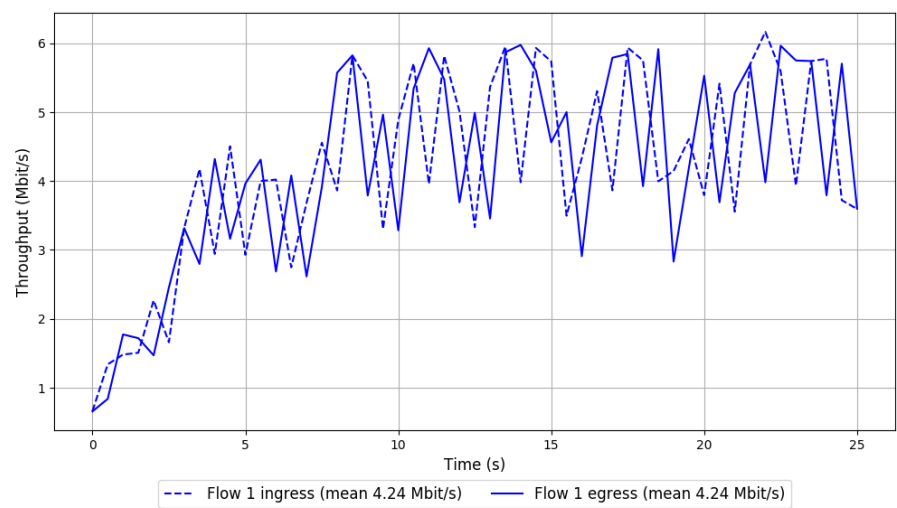
Run 5: Statistics of Sprout

Start at: 2017-09-03 05:29:30  
End at: 2017-09-03 05:30:00  
Local clock offset: 0.421 ms  
Remote clock offset: -2.893 ms

# Below is generated by plot.py at 2017-09-03 08:36:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.24 Mbit/s  
95th percentile per-packet one-way delay: 88.100 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 4.24 Mbit/s  
95th percentile per-packet one-way delay: 88.100 ms  
Loss rate: 0.00%



Run 5: Report of Sprout — Data Link

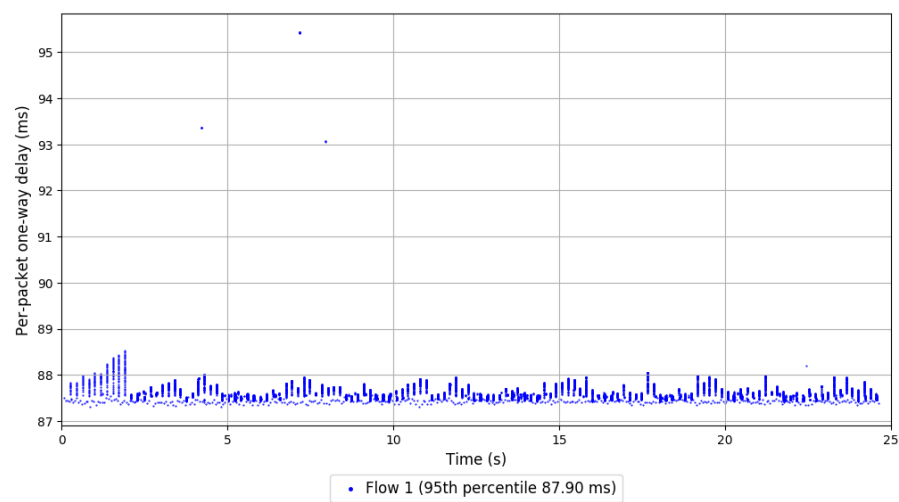
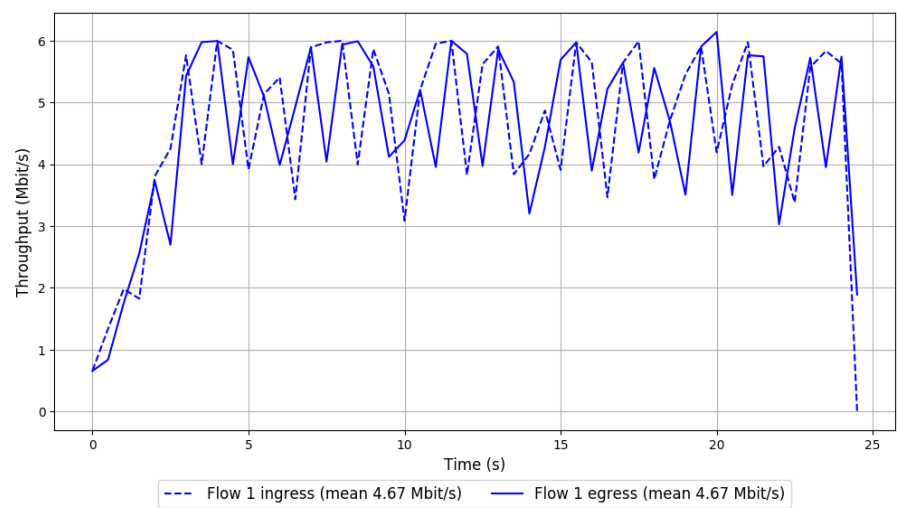


Run 6: Statistics of Sprout

Start at: 2017-09-03 05:49:25  
End at: 2017-09-03 05:49:55  
Local clock offset: 0.342 ms  
Remote clock offset: -2.057 ms

# Below is generated by plot.py at 2017-09-03 08:36:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.67 Mbit/s  
95th percentile per-packet one-way delay: 87.899 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 4.67 Mbit/s  
95th percentile per-packet one-way delay: 87.899 ms  
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

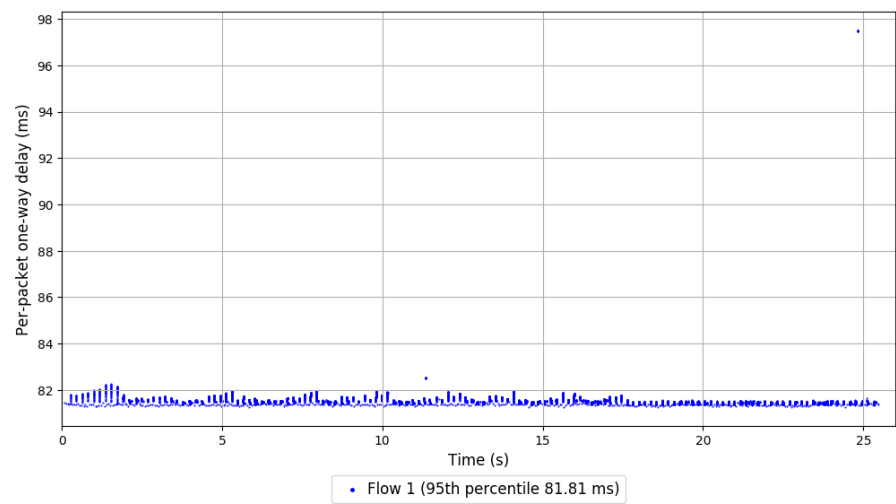
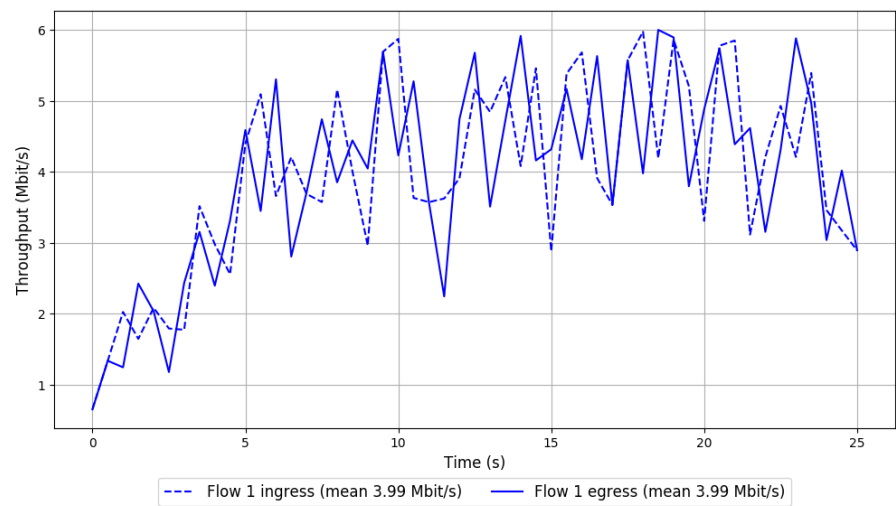


Run 7: Statistics of Sprout

Start at: 2017-09-03 06:09:30  
End at: 2017-09-03 06:10:00  
Local clock offset: 0.379 ms  
Remote clock offset: -7.596 ms

# Below is generated by plot.py at 2017-09-03 08:36:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.99 Mbit/s  
95th percentile per-packet one-way delay: 81.810 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 3.99 Mbit/s  
95th percentile per-packet one-way delay: 81.810 ms  
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

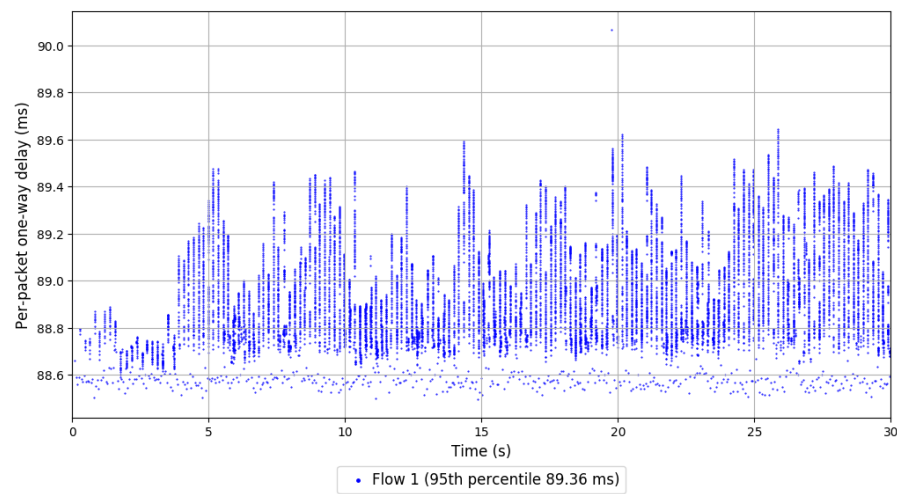
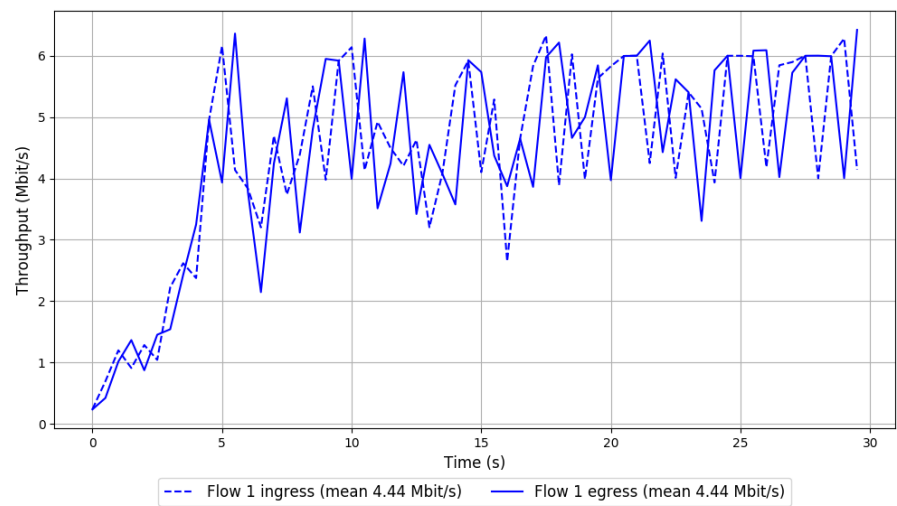


Run 8: Statistics of Sprout

Start at: 2017-09-03 06:29:16  
End at: 2017-09-03 06:29:46  
Local clock offset: 0.342 ms  
Remote clock offset: -1.621 ms

# Below is generated by plot.py at 2017-09-03 08:36:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.44 Mbit/s  
95th percentile per-packet one-way delay: 89.358 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 4.44 Mbit/s  
95th percentile per-packet one-way delay: 89.358 ms  
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



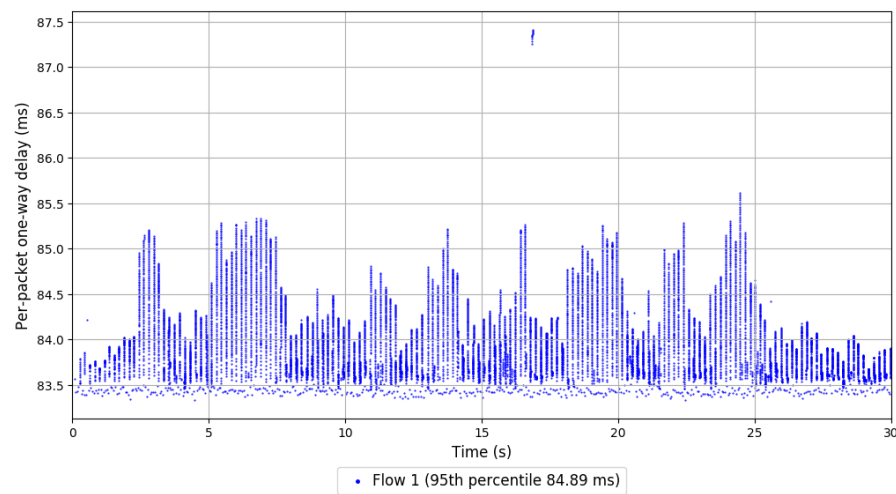
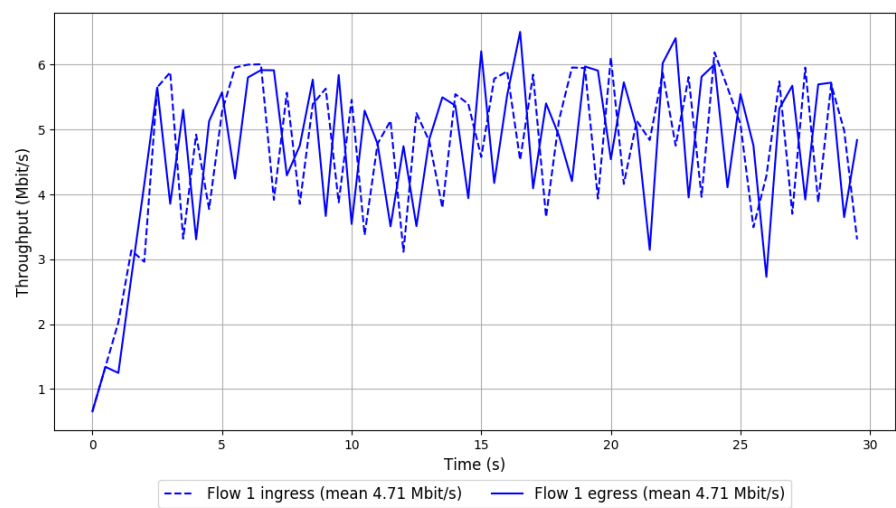
Run 9: Statistics of Sprout

Start at: 2017-09-03 06:49:22  
End at: 2017-09-03 06:49:52  
Local clock offset: 0.47 ms  
Remote clock offset: -6.316 ms

# Below is generated by plot.py at 2017-09-03 08:36:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.71 Mbit/s  
95th percentile per-packet one-way delay: 84.891 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 4.71 Mbit/s  
95th percentile per-packet one-way delay: 84.891 ms  
Loss rate: 0.00%



Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-09-03 07:09:20

End at: 2017-09-03 07:09:50

Local clock offset: 0.336 ms

Remote clock offset: -6.312 ms

# Below is generated by plot.py at 2017-09-03 08:36:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.66 Mbit/s

95th percentile per-packet one-way delay: 84.580 ms

Loss rate: 0.00%

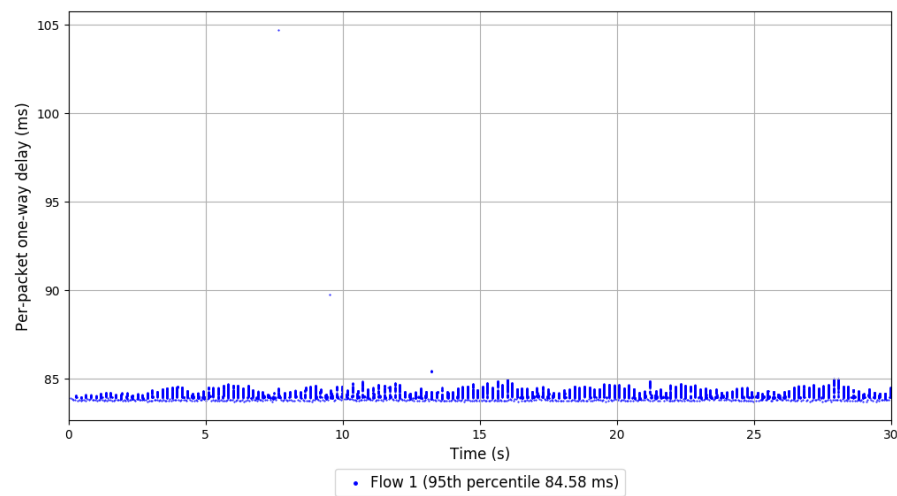
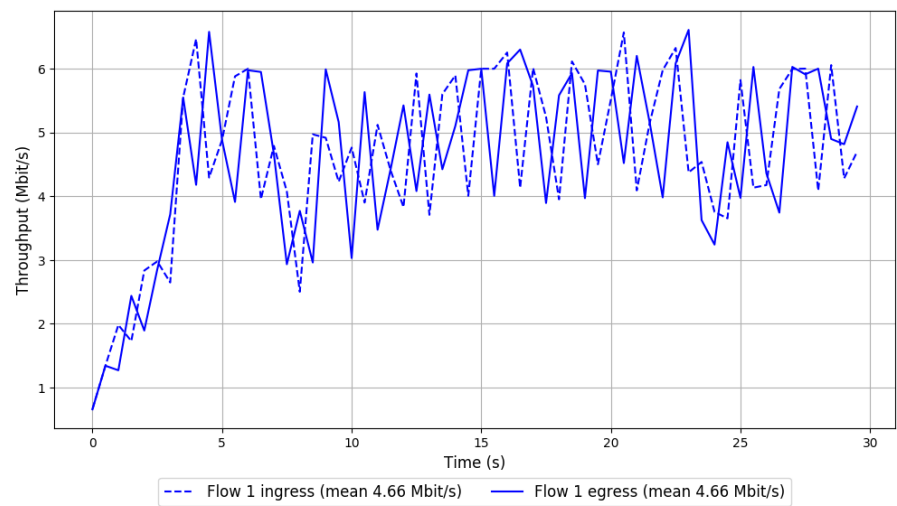
-- Flow 1:

Average throughput: 4.66 Mbit/s

95th percentile per-packet one-way delay: 84.580 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2017-09-03 04:14:57

End at: 2017-09-03 04:15:27

Local clock offset: 0.276 ms

Remote clock offset: -3.531 ms

# Below is generated by plot.py at 2017-09-03 08:37:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 241.48 Mbit/s

95th percentile per-packet one-way delay: 85.319 ms

Loss rate: 0.00%

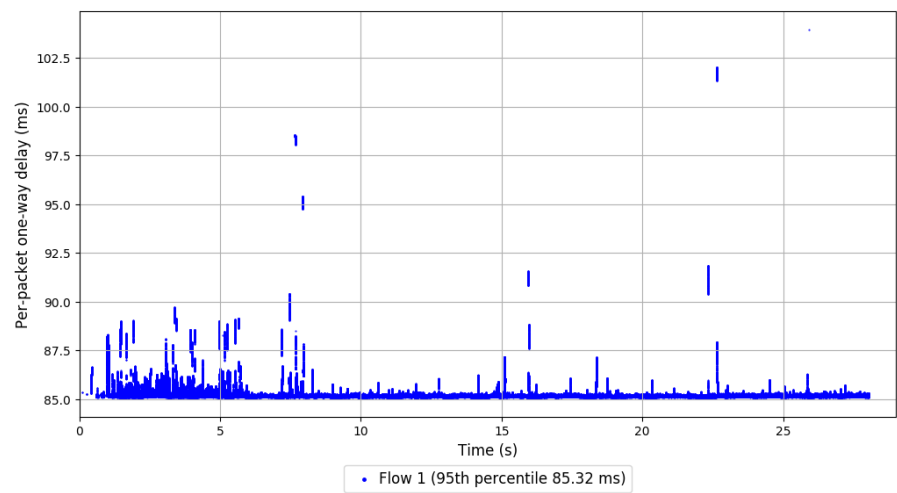
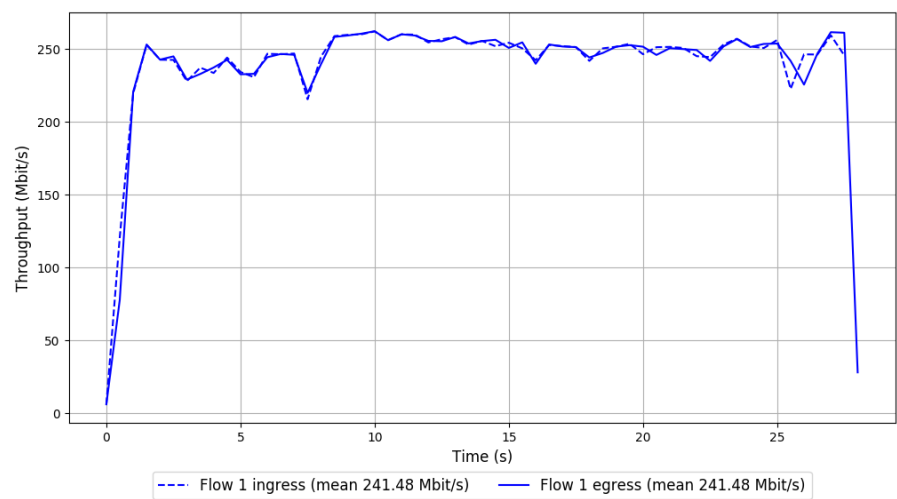
-- Flow 1:

Average throughput: 241.48 Mbit/s

95th percentile per-packet one-way delay: 85.319 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2017-09-03 04:34:22

End at: 2017-09-03 04:34:52

Local clock offset: 0.277 ms

Remote clock offset: -1.969 ms

# Below is generated by plot.py at 2017-09-03 08:37:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 240.44 Mbit/s

95th percentile per-packet one-way delay: 87.346 ms

Loss rate: 0.00%

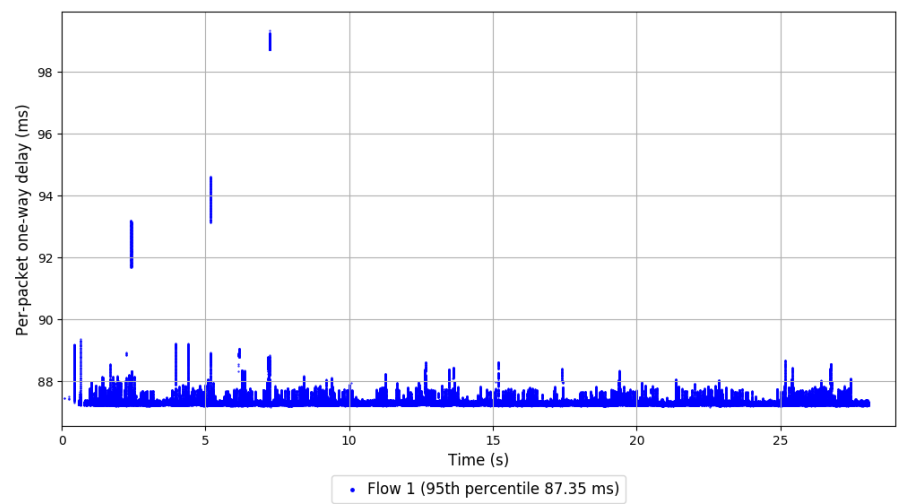
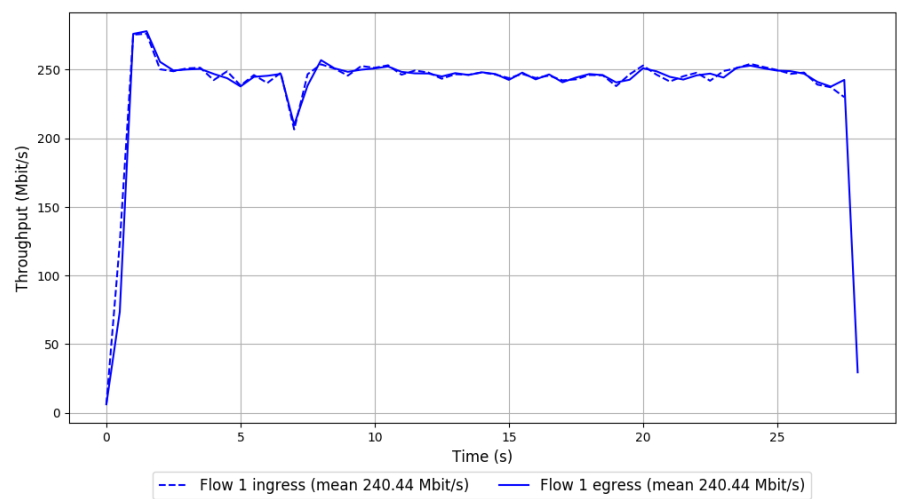
-- Flow 1:

Average throughput: 240.44 Mbit/s

95th percentile per-packet one-way delay: 87.346 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-09-03 04:54:40

End at: 2017-09-03 04:55:10

Local clock offset: 0.257 ms

Remote clock offset: -3.99 ms

# Below is generated by plot.py at 2017-09-03 08:38:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 245.53 Mbit/s

95th percentile per-packet one-way delay: 86.835 ms

Loss rate: 0.00%

-- Flow 1:

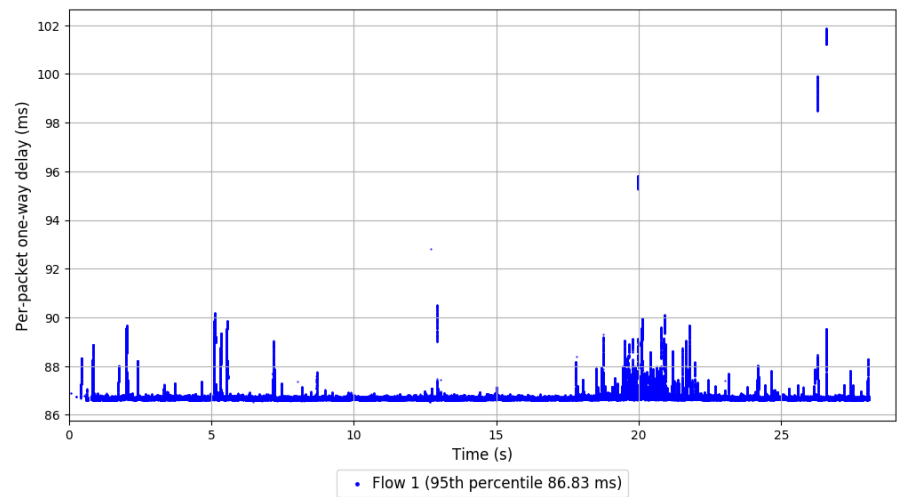
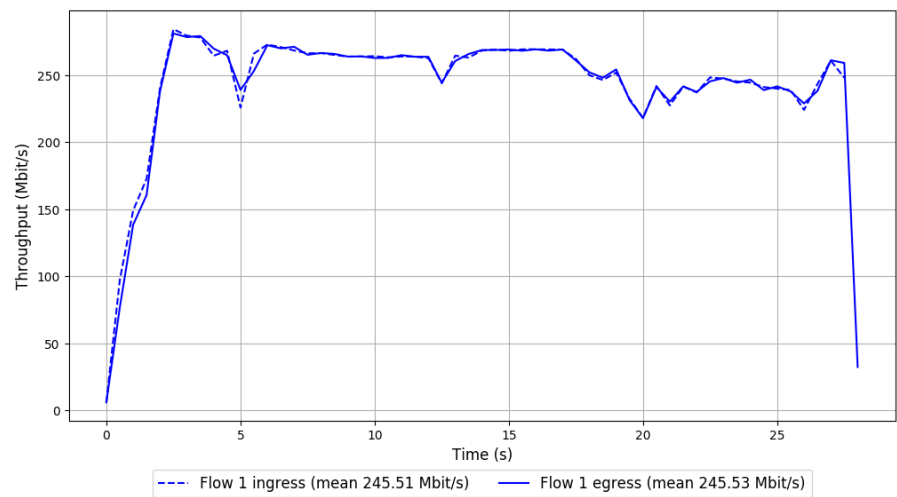
Average throughput: 245.53 Mbit/s

95th percentile per-packet one-way delay: 86.835 ms

Loss rate: 0.00%



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



Run 4: Statistics of TaoVA-100x

Start at: 2017-09-03 05:14:16

End at: 2017-09-03 05:14:47

Local clock offset: 0.327 ms

Remote clock offset: -2.134 ms

# Below is generated by plot.py at 2017-09-03 08:38:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 243.80 Mbit/s

95th percentile per-packet one-way delay: 88.644 ms

Loss rate: 0.00%

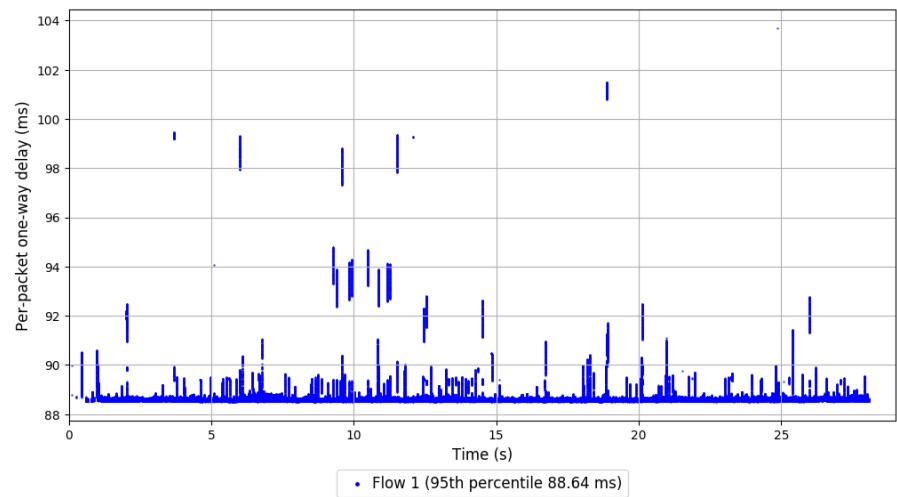
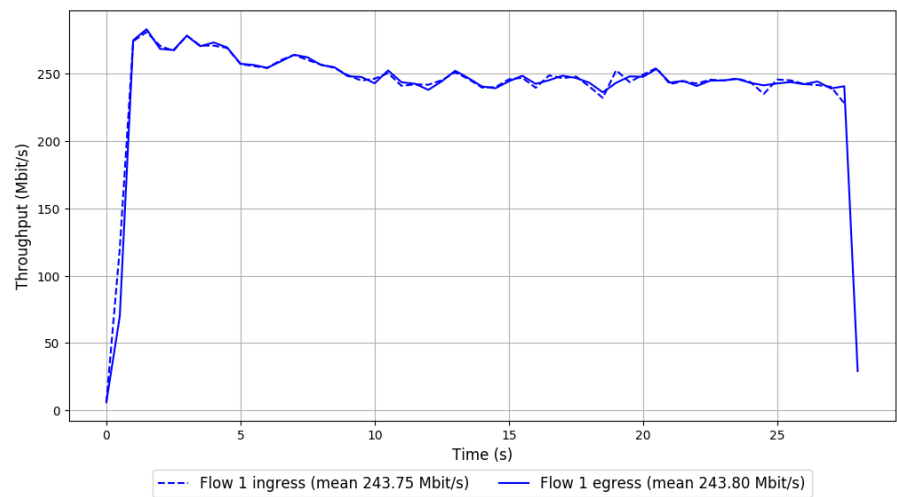
-- Flow 1:

Average throughput: 243.80 Mbit/s

95th percentile per-packet one-way delay: 88.644 ms

Loss rate: 0.00%

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

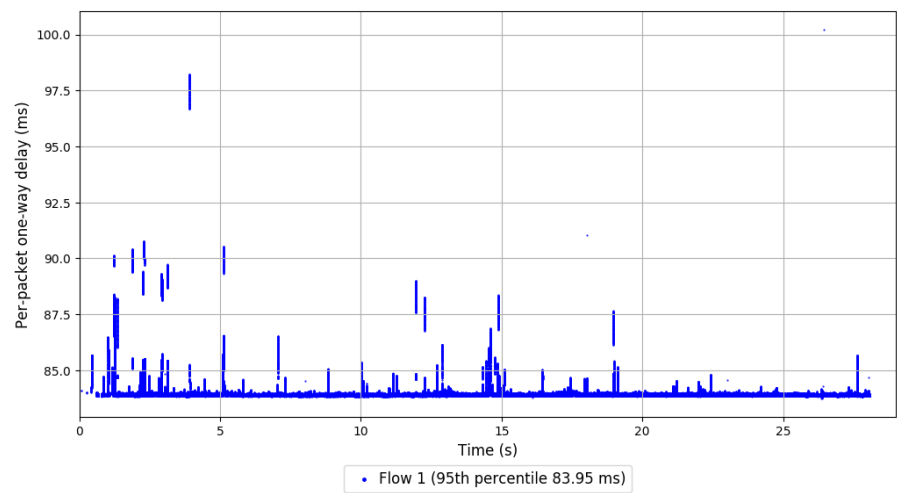
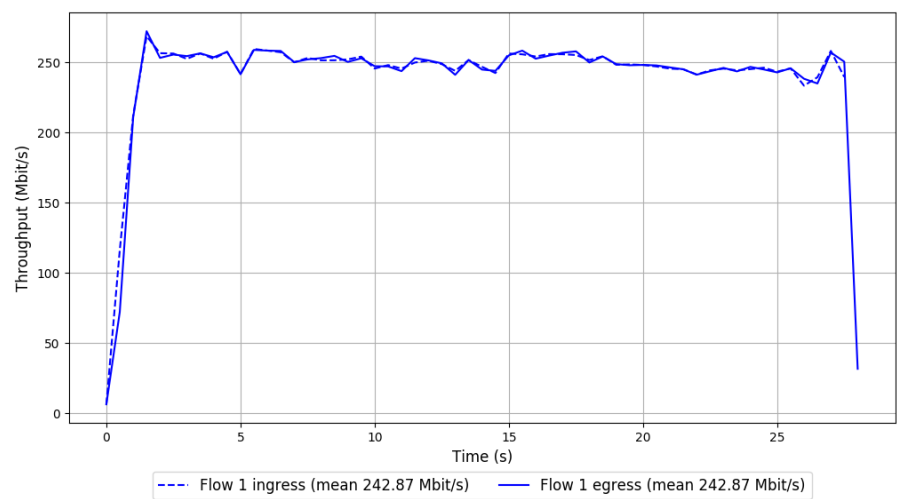


Run 5: Statistics of TaoVA-100x

Start at: 2017-09-03 05:34:21  
End at: 2017-09-03 05:34:51  
Local clock offset: 0.43 ms  
Remote clock offset: -6.852 ms

# Below is generated by plot.py at 2017-09-03 08:38:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 242.87 Mbit/s  
95th percentile per-packet one-way delay: 83.949 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 242.87 Mbit/s  
95th percentile per-packet one-way delay: 83.949 ms  
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-09-03 05:54:23

End at: 2017-09-03 05:54:53

Local clock offset: 0.4 ms

Remote clock offset: -1.957 ms

# Below is generated by plot.py at 2017-09-03 08:38:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 255.84 Mbit/s

95th percentile per-packet one-way delay: 89.078 ms

Loss rate: 0.00%

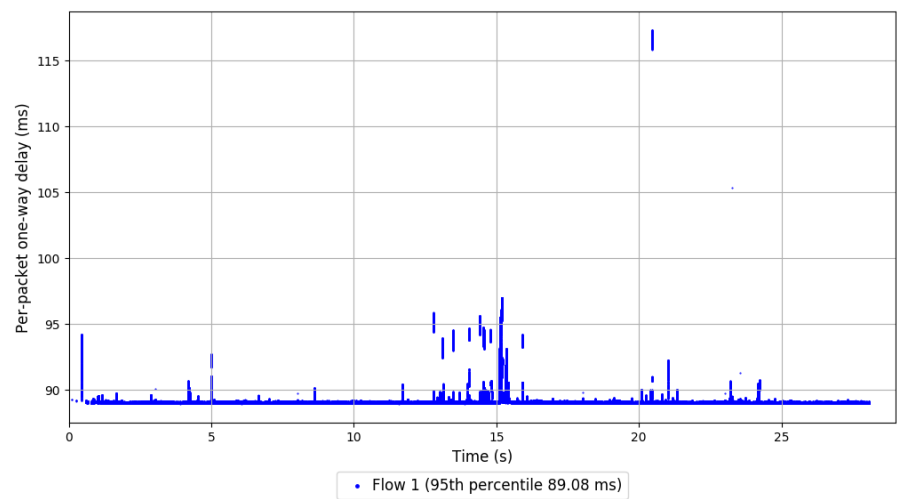
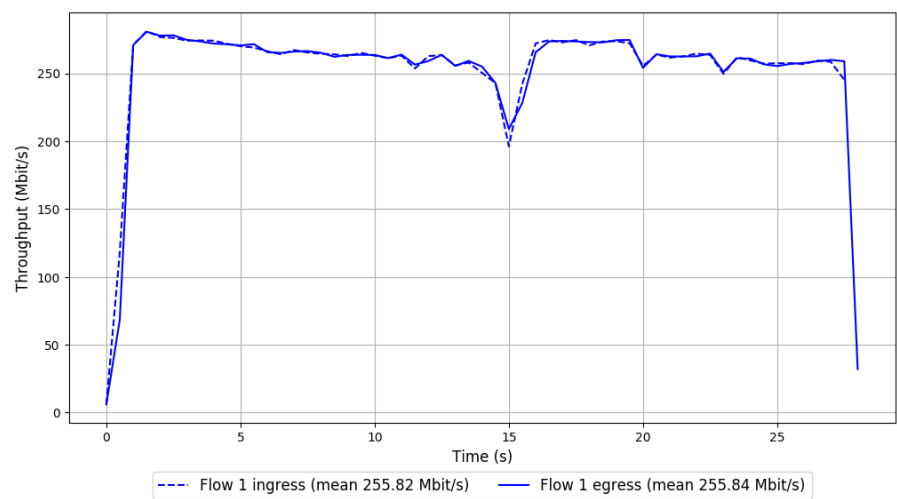
-- Flow 1:

Average throughput: 255.84 Mbit/s

95th percentile per-packet one-way delay: 89.078 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-09-03 06:14:24

End at: 2017-09-03 06:14:54

Local clock offset: 0.343 ms

Remote clock offset: -1.871 ms

# Below is generated by plot.py at 2017-09-03 08:39:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 241.19 Mbit/s

95th percentile per-packet one-way delay: 87.316 ms

Loss rate: 0.00%

-- Flow 1:

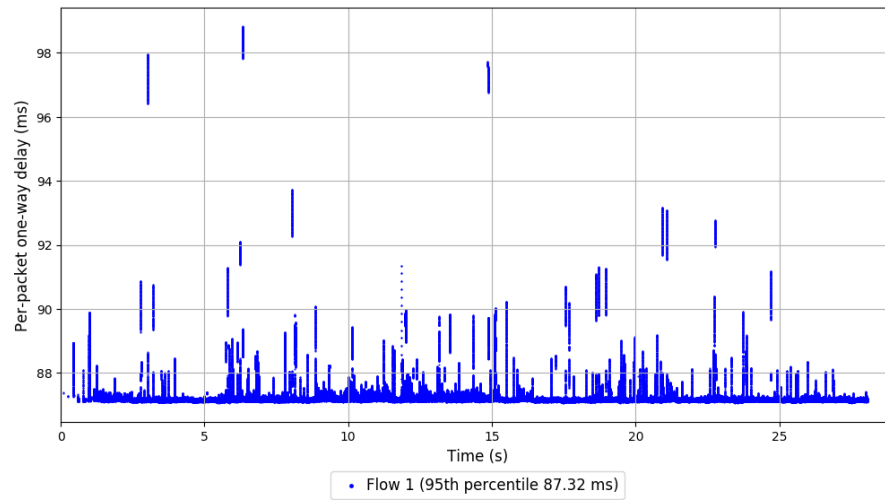
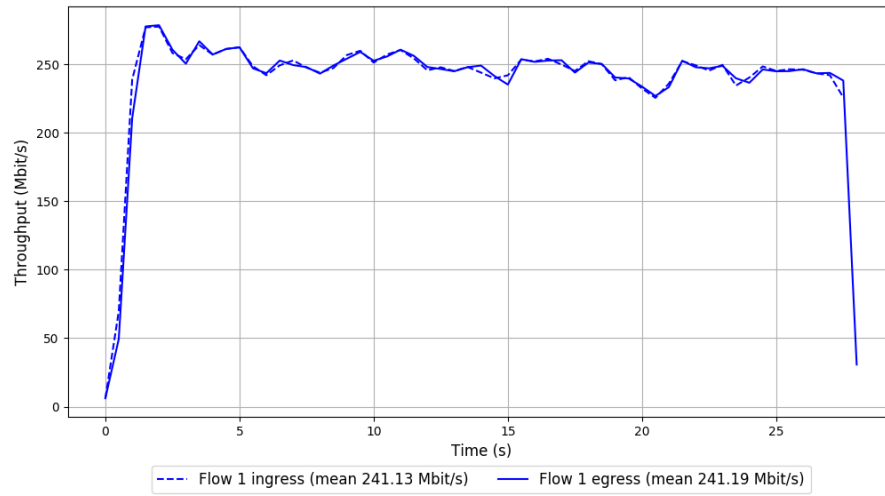
Average throughput: 241.19 Mbit/s

95th percentile per-packet one-way delay: 87.316 ms

Loss rate: 0.00%



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



Run 8: Statistics of TaoVA-100x

Start at: 2017-09-03 06:34:08

End at: 2017-09-03 06:34:38

Local clock offset: 0.416 ms

Remote clock offset: -7.349 ms

# Below is generated by plot.py at 2017-09-03 08:39:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 252.99 Mbit/s

95th percentile per-packet one-way delay: 82.788 ms

Loss rate: 0.00%

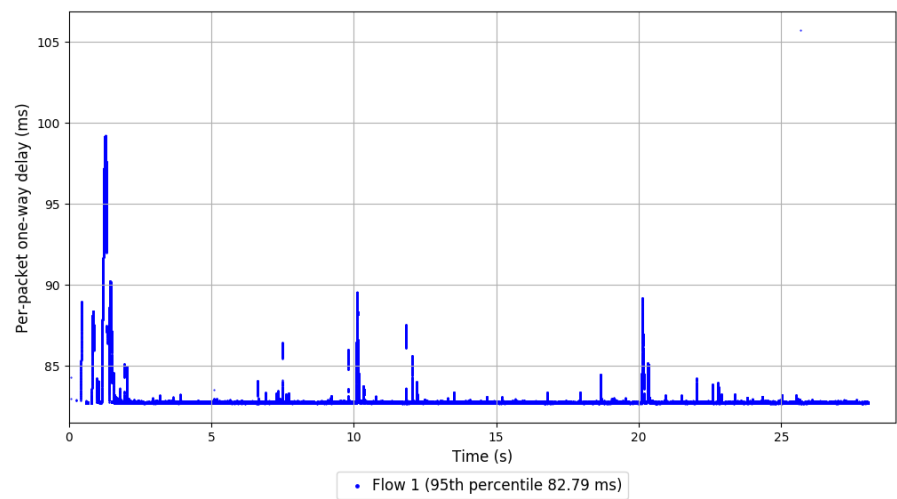
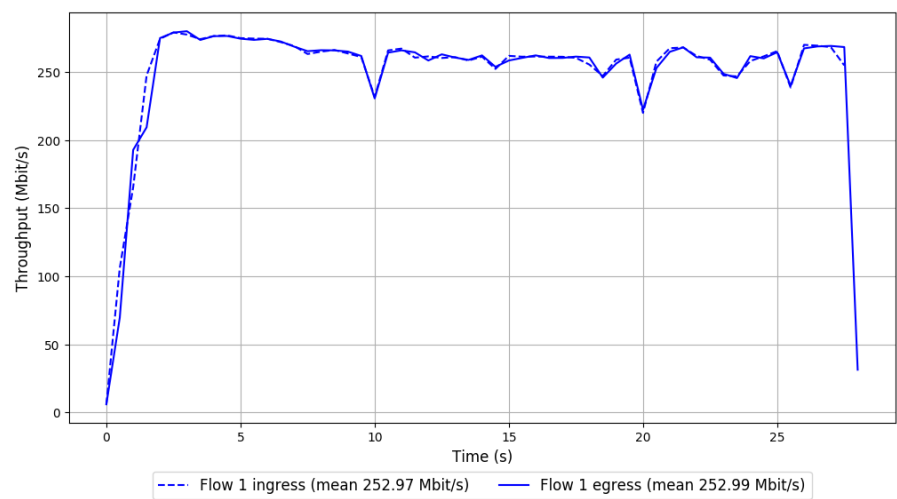
-- Flow 1:

Average throughput: 252.99 Mbit/s

95th percentile per-packet one-way delay: 82.788 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-09-03 06:54:10

End at: 2017-09-03 06:54:40

Local clock offset: 0.46 ms

Remote clock offset: -7.237 ms

# Below is generated by plot.py at 2017-09-03 08:40:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 247.89 Mbit/s

95th percentile per-packet one-way delay: 81.746 ms

Loss rate: 0.00%

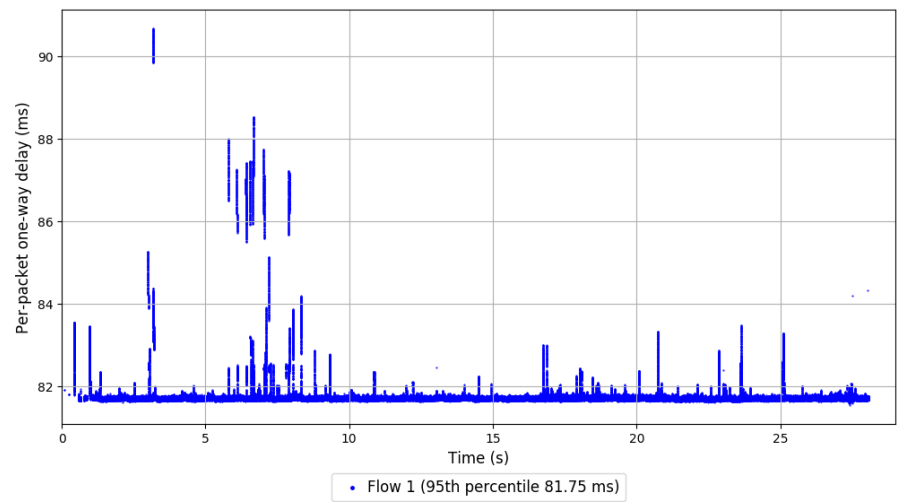
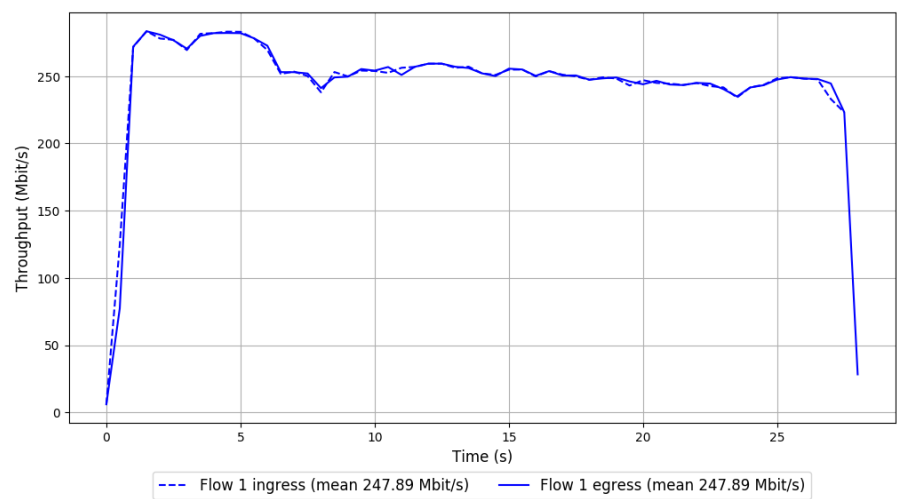
-- Flow 1:

Average throughput: 247.89 Mbit/s

95th percentile per-packet one-way delay: 81.746 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-09-03 07:14:24

End at: 2017-09-03 07:14:54

Local clock offset: 0.423 ms

Remote clock offset: -7.205 ms

# Below is generated by plot.py at 2017-09-03 08:40:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 244.79 Mbit/s

95th percentile per-packet one-way delay: 81.713 ms

Loss rate: 0.00%

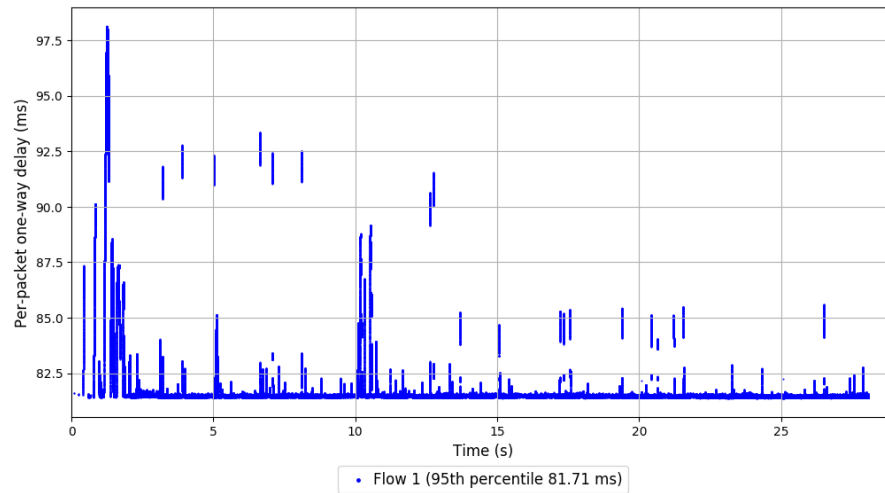
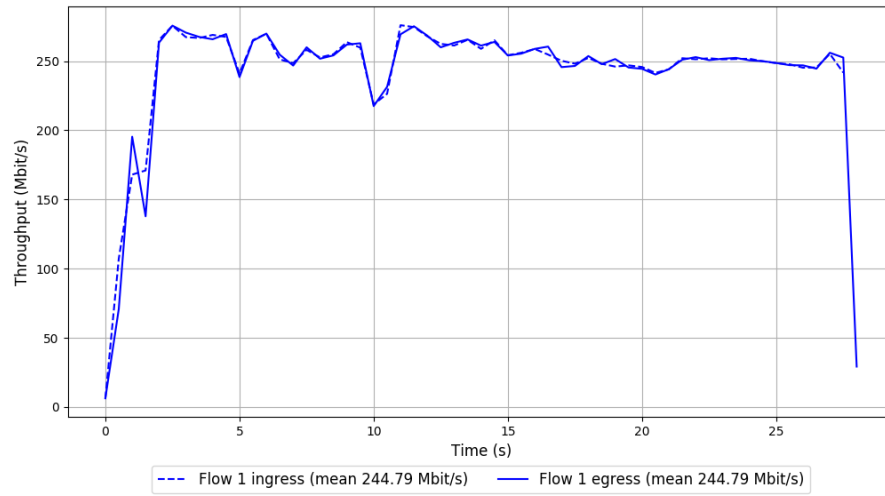
-- Flow 1:

Average throughput: 244.79 Mbit/s

95th percentile per-packet one-way delay: 81.713 ms

Loss rate: 0.00%

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



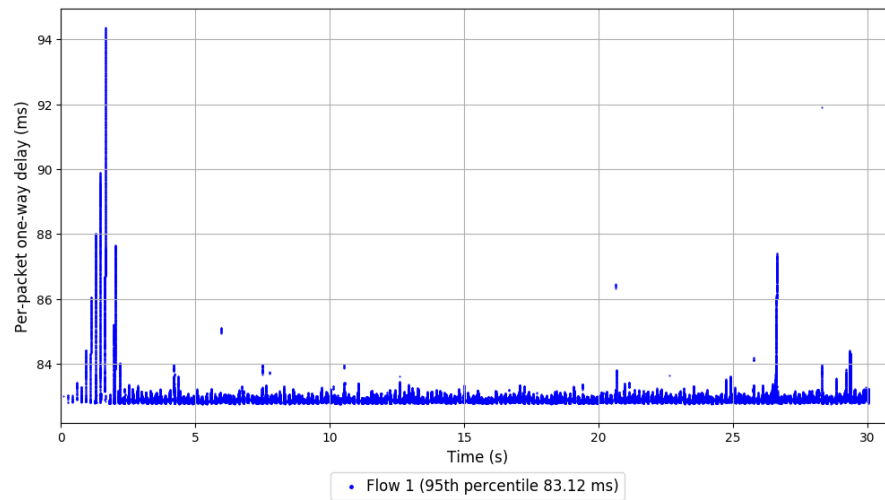
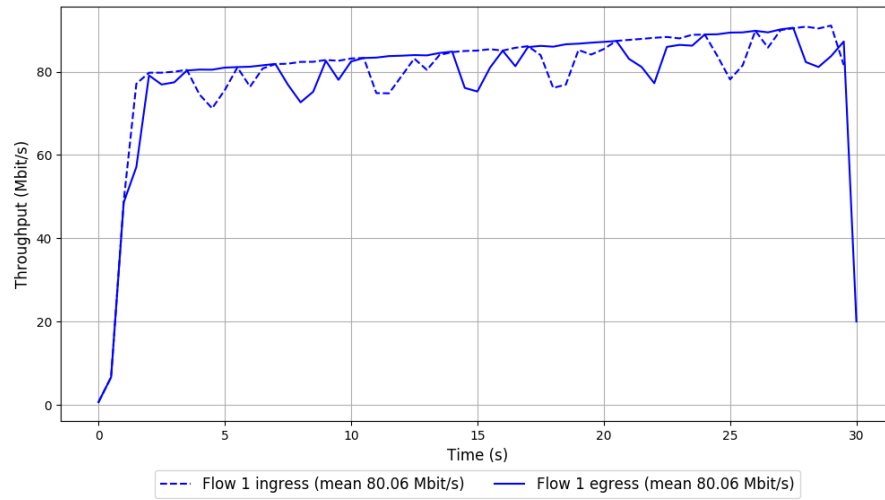
Run 1: Statistics of TCP Vegas

Start at: 2017-09-03 04:24:21  
End at: 2017-09-03 04:24:51  
Local clock offset: 0.192 ms  
Remote clock offset: -7.626 ms

# Below is generated by plot.py at 2017-09-03 08:40:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.06 Mbit/s  
95th percentile per-packet one-way delay: 83.116 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 80.06 Mbit/s  
95th percentile per-packet one-way delay: 83.116 ms  
Loss rate: 0.00%



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

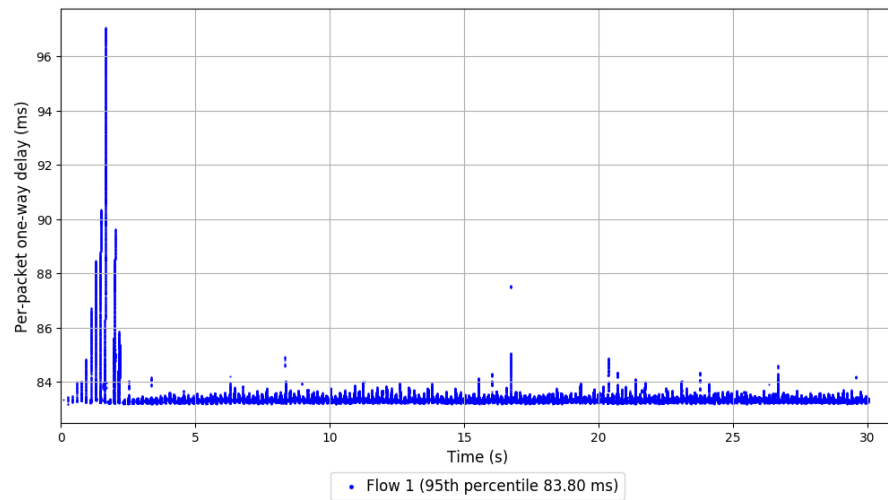
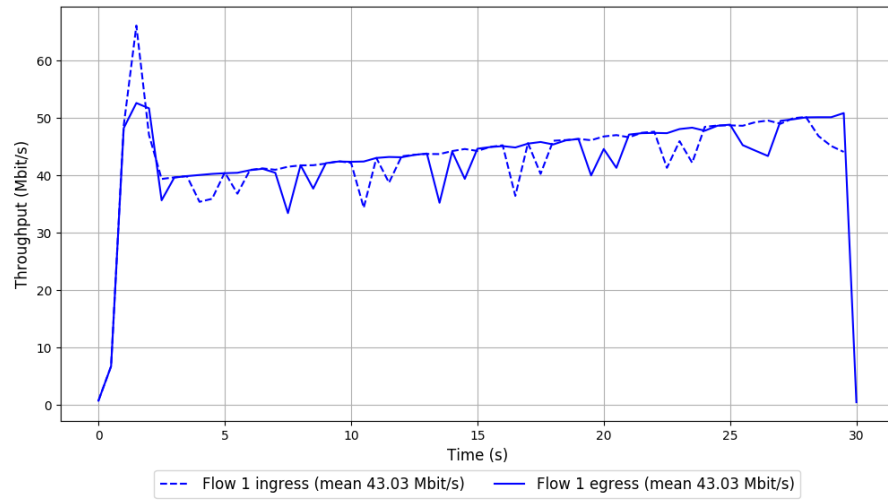


Run 2: Statistics of TCP Vegas

Start at: 2017-09-03 04:44:29  
End at: 2017-09-03 04:44:59  
Local clock offset: 0.309 ms  
Remote clock offset: -7.868 ms

# Below is generated by plot.py at 2017-09-03 08:40:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 43.03 Mbit/s  
95th percentile per-packet one-way delay: 83.801 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 43.03 Mbit/s  
95th percentile per-packet one-way delay: 83.801 ms  
Loss rate: 0.00%

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

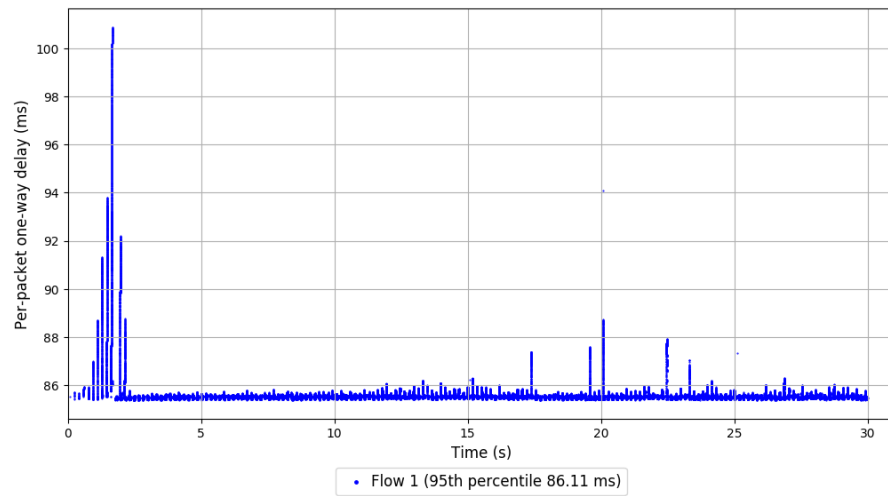
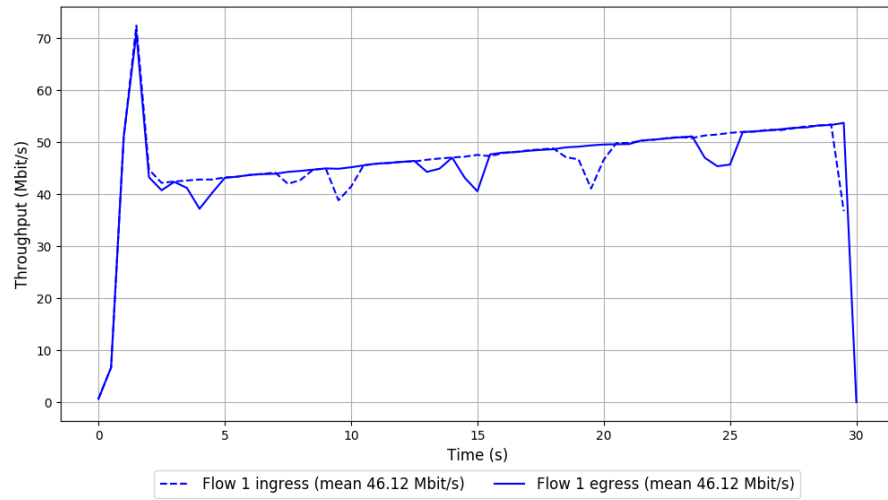


Run 3: Statistics of TCP Vegas

Start at: 2017-09-03 05:04:11  
End at: 2017-09-03 05:04:41  
Local clock offset: 0.431 ms  
Remote clock offset: -3.912 ms

# Below is generated by plot.py at 2017-09-03 08:40:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.12 Mbit/s  
95th percentile per-packet one-way delay: 86.114 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.12 Mbit/s  
95th percentile per-packet one-way delay: 86.114 ms  
Loss rate: 0.00%

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

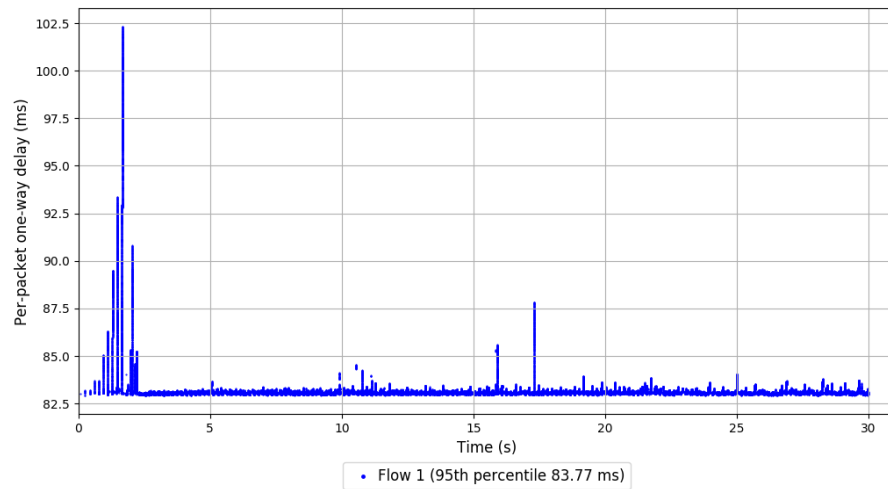
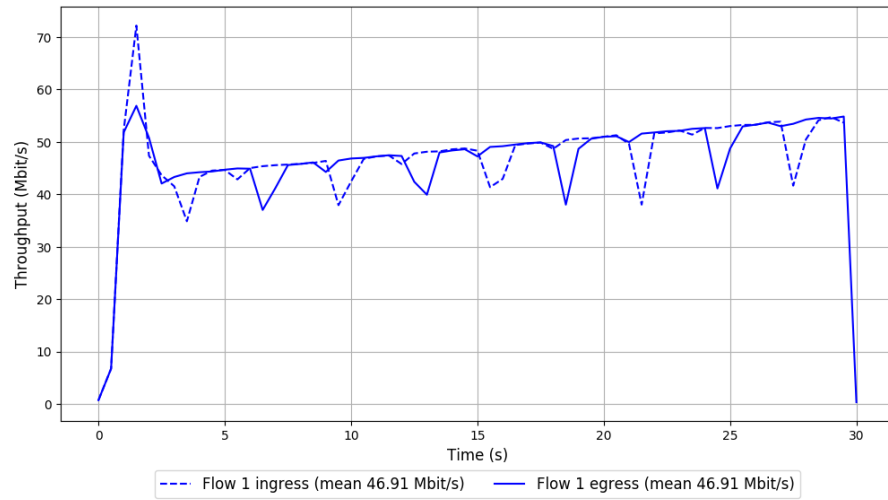


Run 4: Statistics of TCP Vegas

Start at: 2017-09-03 05:24:20  
End at: 2017-09-03 05:24:50  
Local clock offset: 0.443 ms  
Remote clock offset: -7.852 ms

# Below is generated by plot.py at 2017-09-03 08:41:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.91 Mbit/s  
95th percentile per-packet one-way delay: 83.769 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.91 Mbit/s  
95th percentile per-packet one-way delay: 83.769 ms  
Loss rate: 0.00%

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



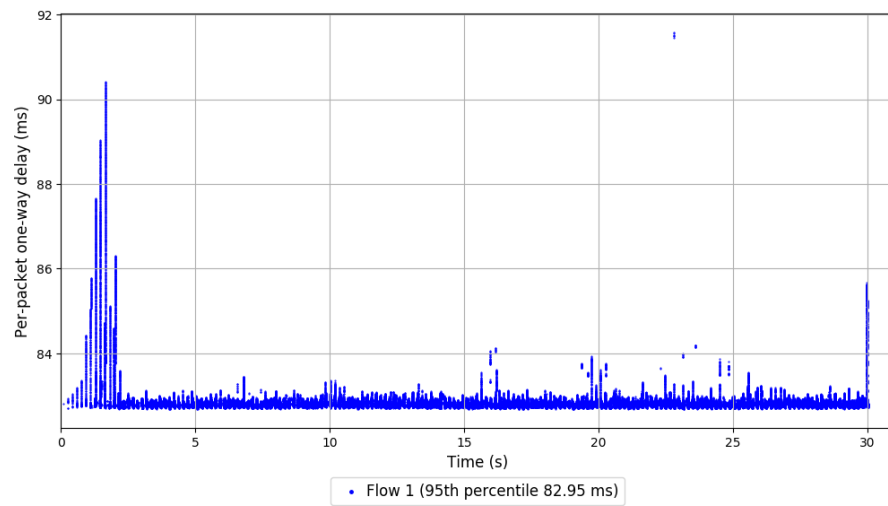
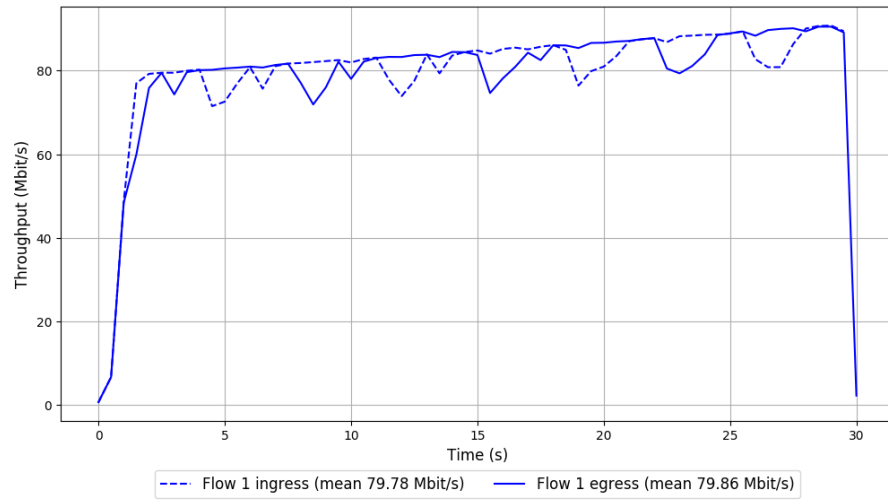
Run 5: Statistics of TCP Vegas

Start at: 2017-09-03 05:44:13  
End at: 2017-09-03 05:44:43  
Local clock offset: 0.315 ms  
Remote clock offset: -7.843 ms

# Below is generated by plot.py at 2017-09-03 08:41:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.86 Mbit/s  
95th percentile per-packet one-way delay: 82.951 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 79.86 Mbit/s  
95th percentile per-packet one-way delay: 82.951 ms  
Loss rate: 0.00%



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

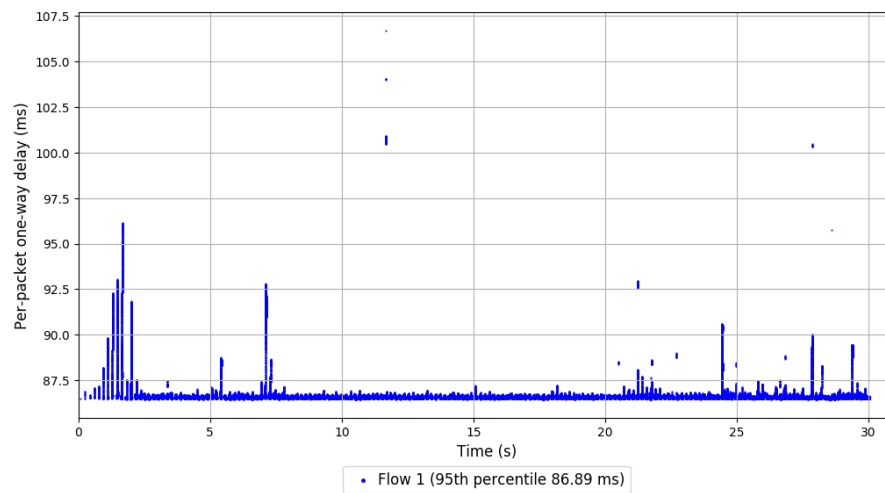
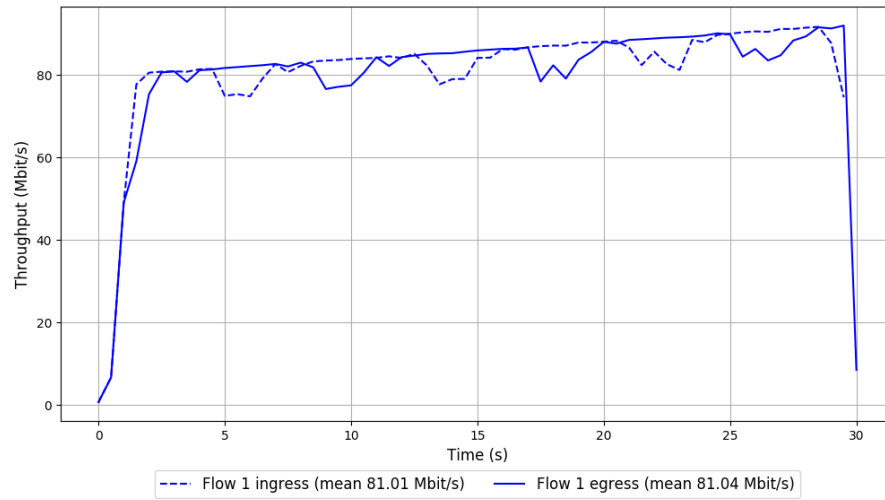


Run 6: Statistics of TCP Vegas

Start at: 2017-09-03 06:04:12  
End at: 2017-09-03 06:04:42  
Local clock offset: 0.319 ms  
Remote clock offset: -2.704 ms

# Below is generated by plot.py at 2017-09-03 08:41:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.04 Mbit/s  
95th percentile per-packet one-way delay: 86.889 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 81.04 Mbit/s  
95th percentile per-packet one-way delay: 86.889 ms  
Loss rate: 0.00%

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

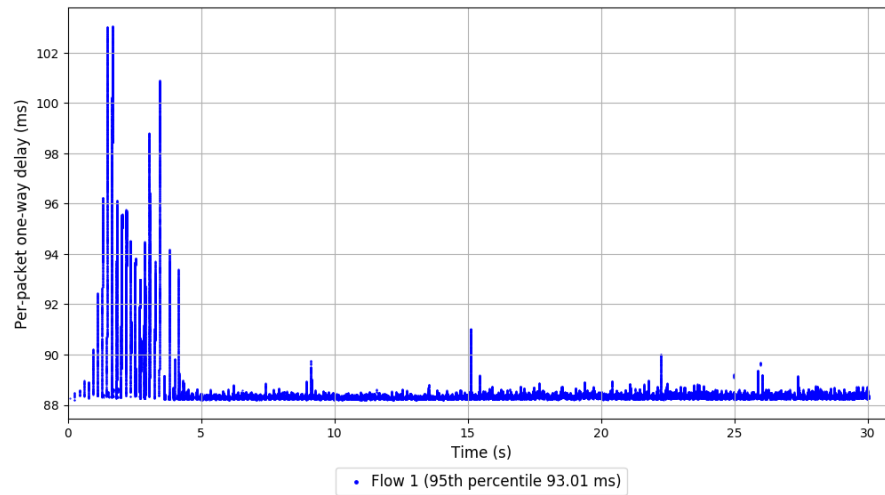
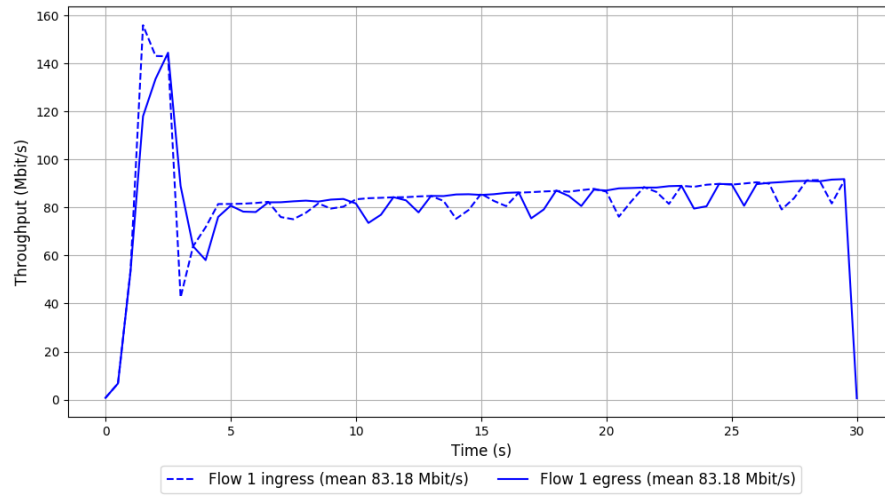


Run 7: Statistics of TCP Vegas

Start at: 2017-09-03 06:24:11  
End at: 2017-09-03 06:24:41  
Local clock offset: 0.336 ms  
Remote clock offset: -1.709 ms

# Below is generated by plot.py at 2017-09-03 08:41:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.18 Mbit/s  
95th percentile per-packet one-way delay: 93.010 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 83.18 Mbit/s  
95th percentile per-packet one-way delay: 93.010 ms  
Loss rate: 0.00%

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

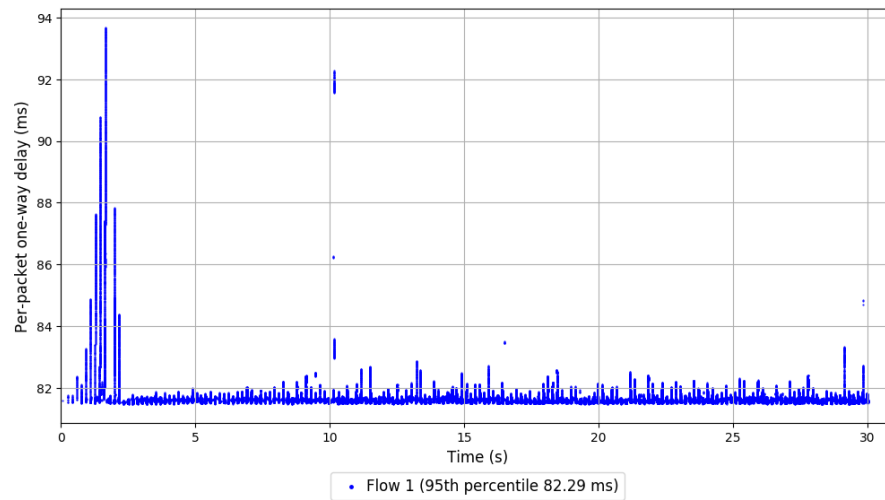
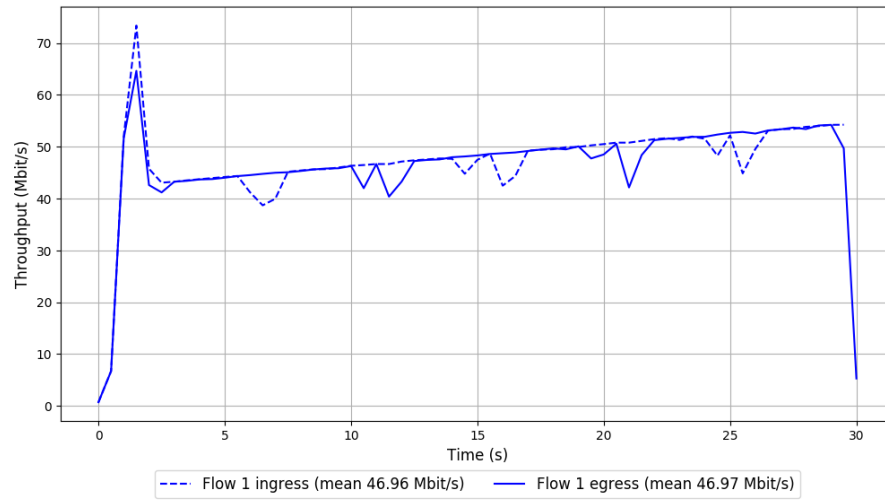


Run 8: Statistics of TCP Vegas

Start at: 2017-09-03 06:44:16  
End at: 2017-09-03 06:44:46  
Local clock offset: 0.446 ms  
Remote clock offset: -7.265 ms

# Below is generated by plot.py at 2017-09-03 08:41:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.97 Mbit/s  
95th percentile per-packet one-way delay: 82.290 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.97 Mbit/s  
95th percentile per-packet one-way delay: 82.290 ms  
Loss rate: 0.00%

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



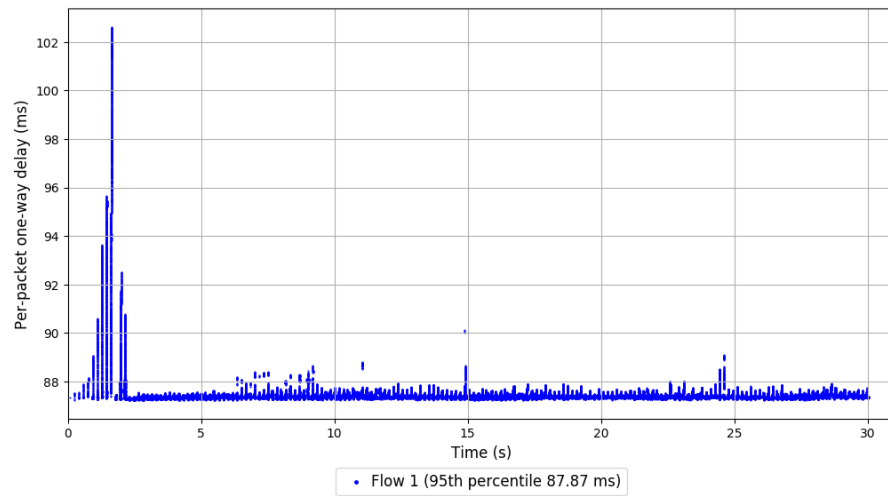
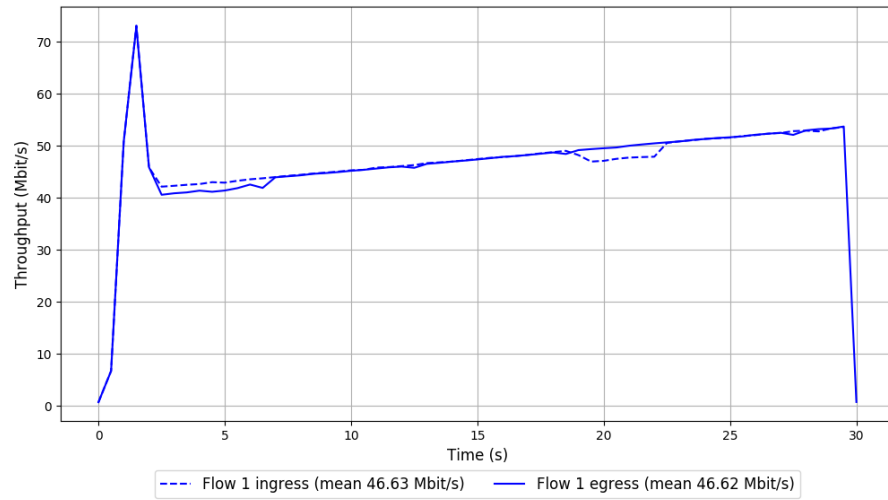
Run 9: Statistics of TCP Vegas

Start at: 2017-09-03 07:03:54  
End at: 2017-09-03 07:04:24  
Local clock offset: 0.41 ms  
Remote clock offset: -1.451 ms

# Below is generated by plot.py at 2017-09-03 08:41:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.62 Mbit/s  
95th percentile per-packet one-way delay: 87.871 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.62 Mbit/s  
95th percentile per-packet one-way delay: 87.871 ms  
Loss rate: 0.00%



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



Run 10: Statistics of TCP Vegas

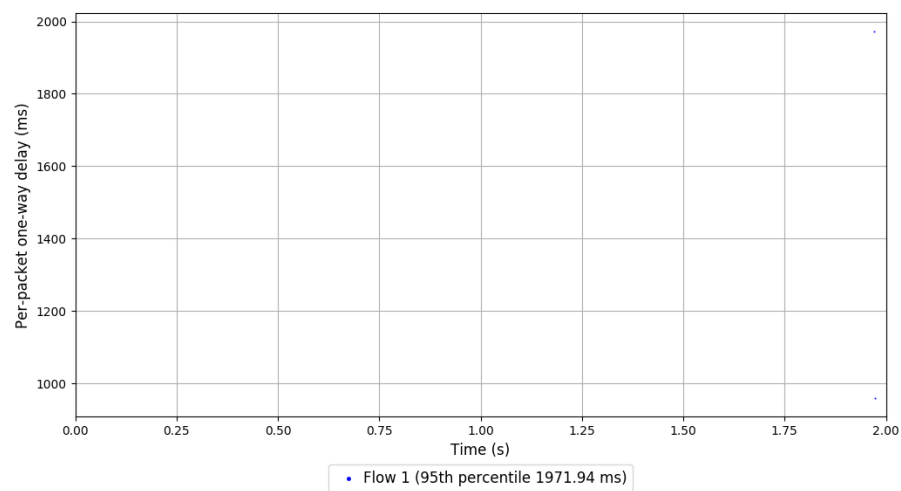
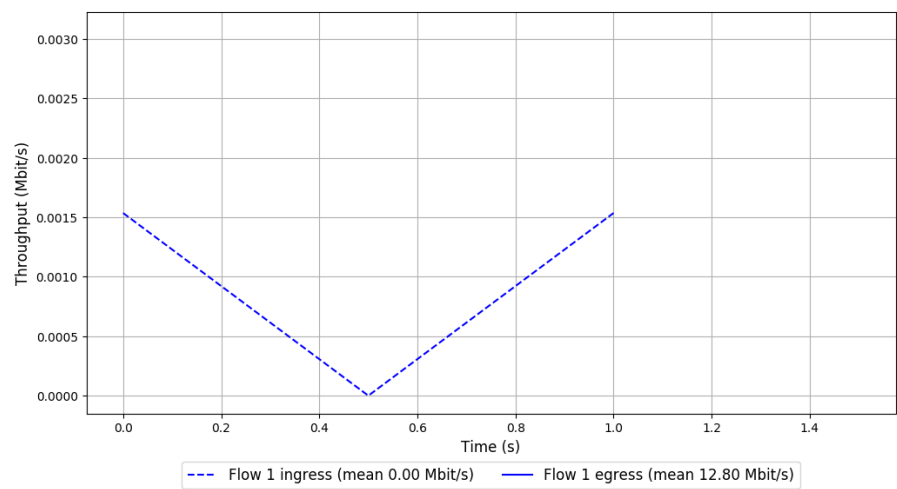
Start at: 2017-09-03 07:24:07

End at: 2017-09-03 07:24:37

Local clock offset: 0.449 ms

Remote clock offset: -2.21 ms

Run 10: Report of TCP Vegas — Data Link

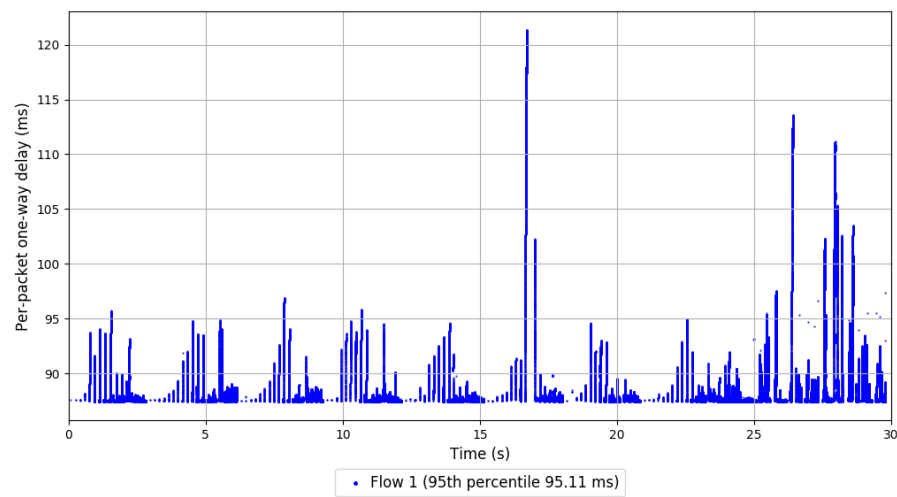
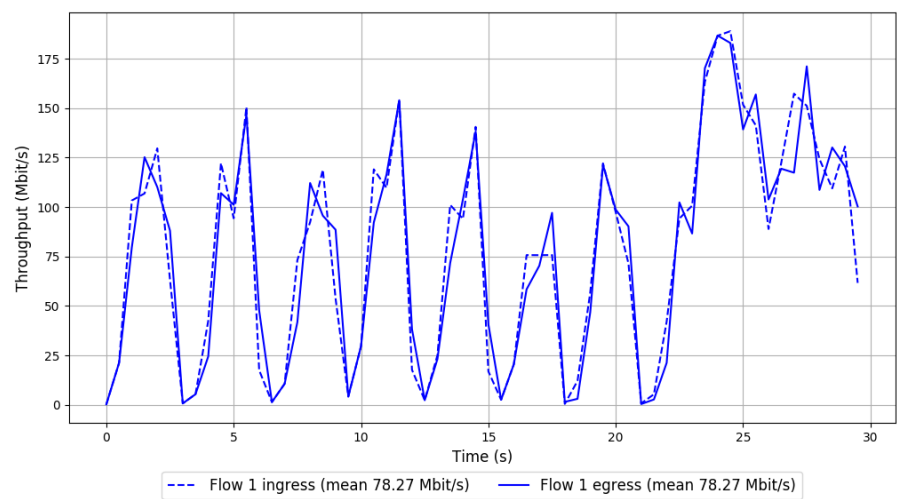


Run 1: Statistics of Verus

Start at: 2017-09-03 04:11:16  
End at: 2017-09-03 04:11:46  
Local clock offset: 0.278 ms  
Remote clock offset: -1.664 ms

# Below is generated by plot.py at 2017-09-03 08:41:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.27 Mbit/s  
95th percentile per-packet one-way delay: 95.109 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 78.27 Mbit/s  
95th percentile per-packet one-way delay: 95.109 ms  
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

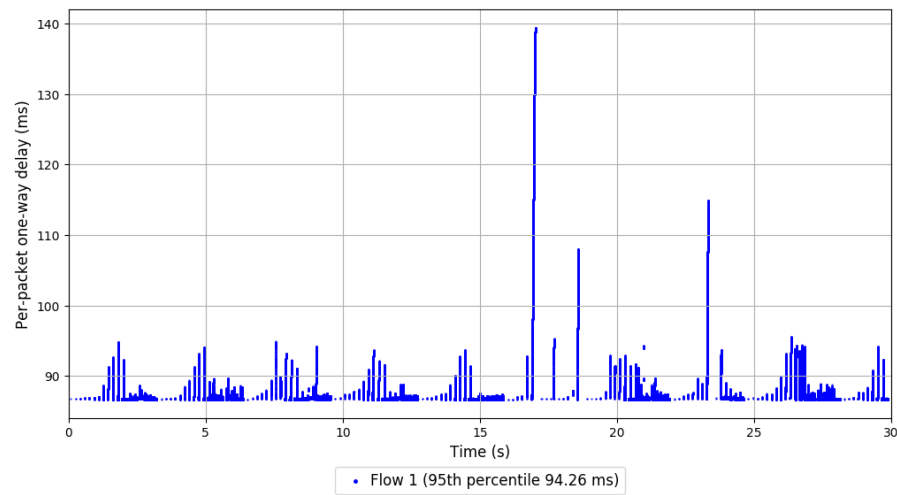
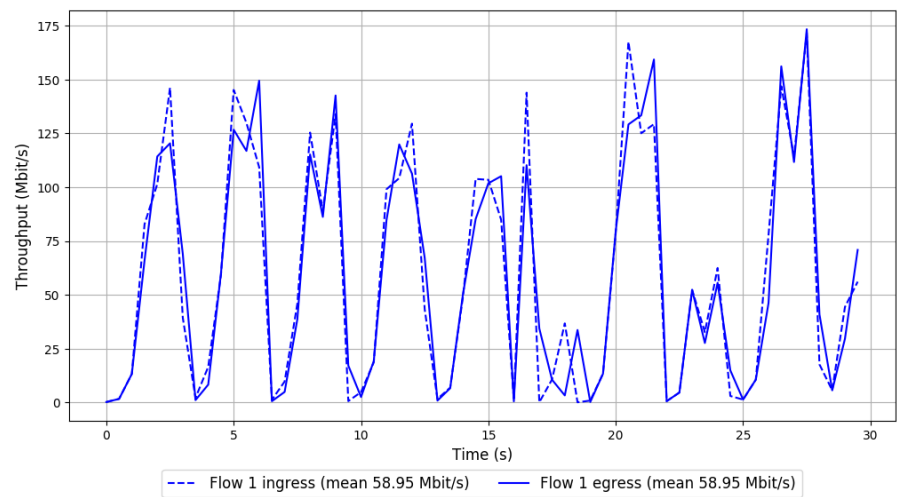


Run 2: Statistics of Verus

Start at: 2017-09-03 04:30:43  
End at: 2017-09-03 04:31:13  
Local clock offset: 0.27 ms  
Remote clock offset: -3.782 ms

# Below is generated by plot.py at 2017-09-03 08:41:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.95 Mbit/s  
95th percentile per-packet one-way delay: 94.258 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 58.95 Mbit/s  
95th percentile per-packet one-way delay: 94.258 ms  
Loss rate: 0.00%

Run 2: Report of Verus — Data Link



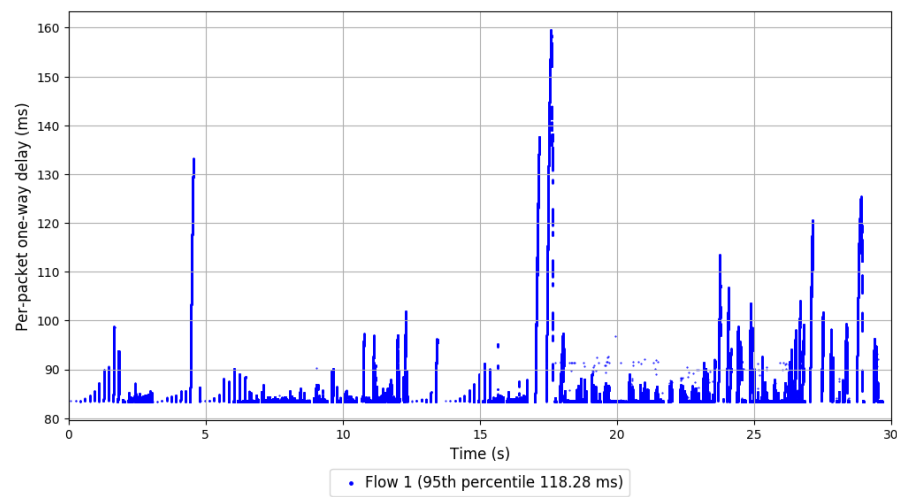
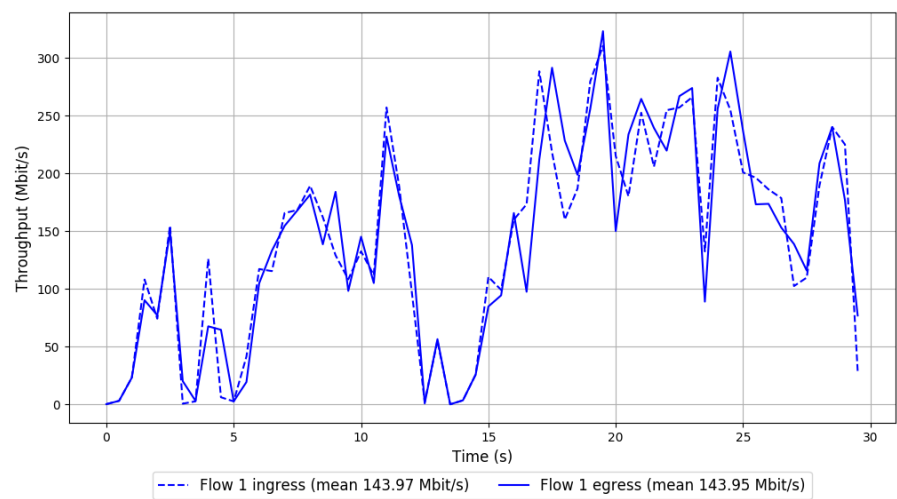
Run 3: Statistics of Verus

Start at: 2017-09-03 04:50:51  
End at: 2017-09-03 04:51:21  
Local clock offset: 0.335 ms  
Remote clock offset: -6.992 ms

# Below is generated by plot.py at 2017-09-03 08:41:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 143.95 Mbit/s  
95th percentile per-packet one-way delay: 118.285 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 143.95 Mbit/s  
95th percentile per-packet one-way delay: 118.285 ms  
Loss rate: 0.01%



Run 3: Report of Verus — Data Link

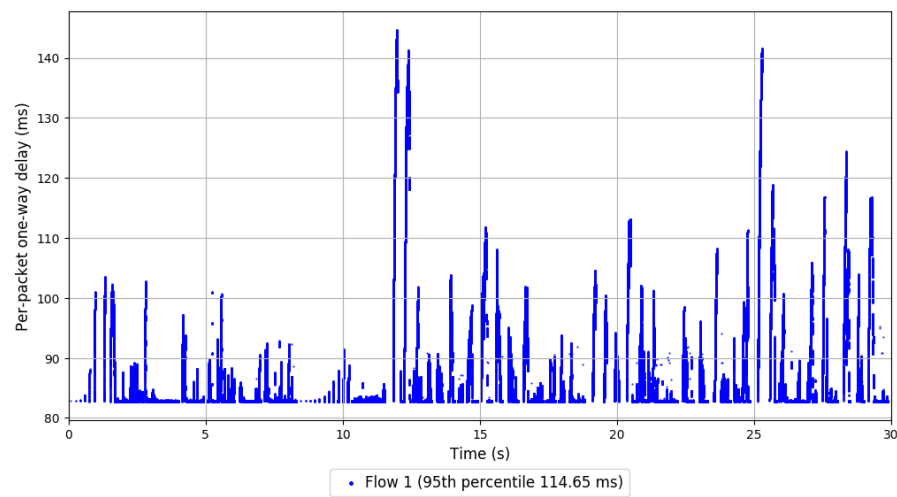
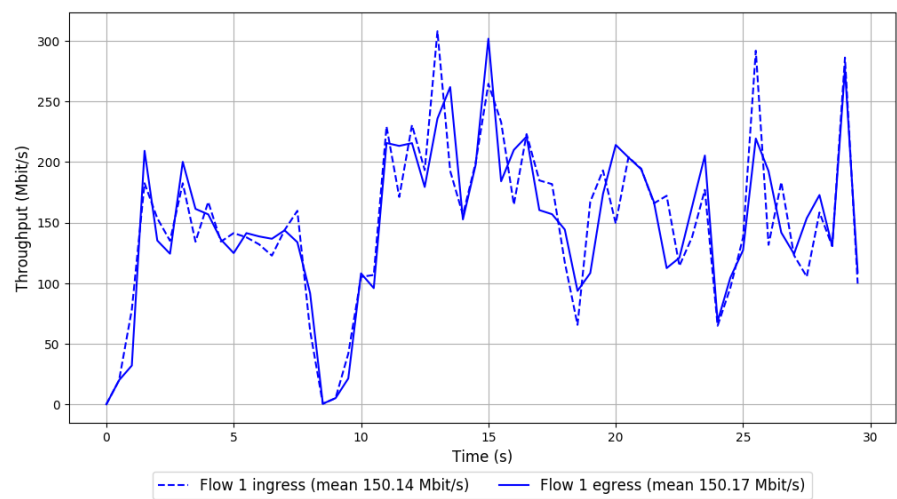


Run 4: Statistics of Verus

Start at: 2017-09-03 05:10:30  
End at: 2017-09-03 05:11:00  
Local clock offset: 0.39 ms  
Remote clock offset: -7.923 ms

# Below is generated by plot.py at 2017-09-03 08:41:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 150.17 Mbit/s  
95th percentile per-packet one-way delay: 114.648 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 150.17 Mbit/s  
95th percentile per-packet one-way delay: 114.648 ms  
Loss rate: 0.01%

Run 4: Report of Verus — Data Link

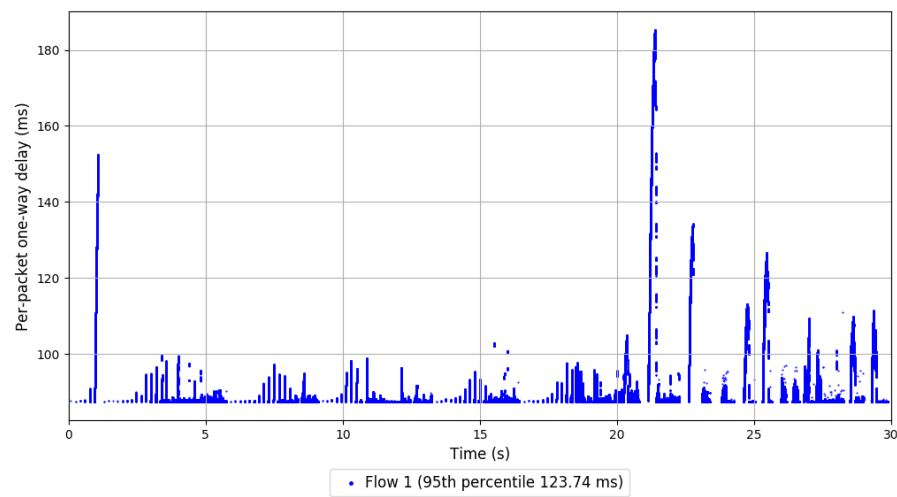
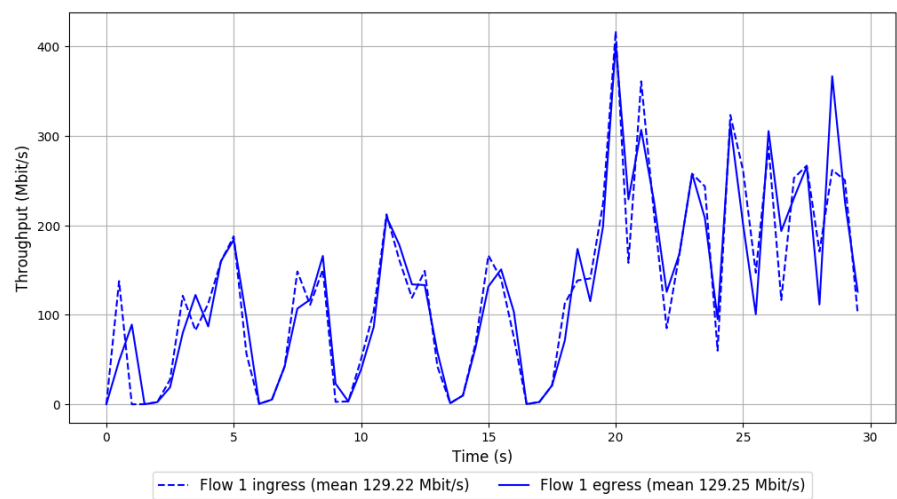


Run 5: Statistics of Verus

Start at: 2017-09-03 05:30:40  
End at: 2017-09-03 05:31:10  
Local clock offset: 0.411 ms  
Remote clock offset: -1.984 ms

# Below is generated by plot.py at 2017-09-03 08:42:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 129.25 Mbit/s  
95th percentile per-packet one-way delay: 123.742 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 129.25 Mbit/s  
95th percentile per-packet one-way delay: 123.742 ms  
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

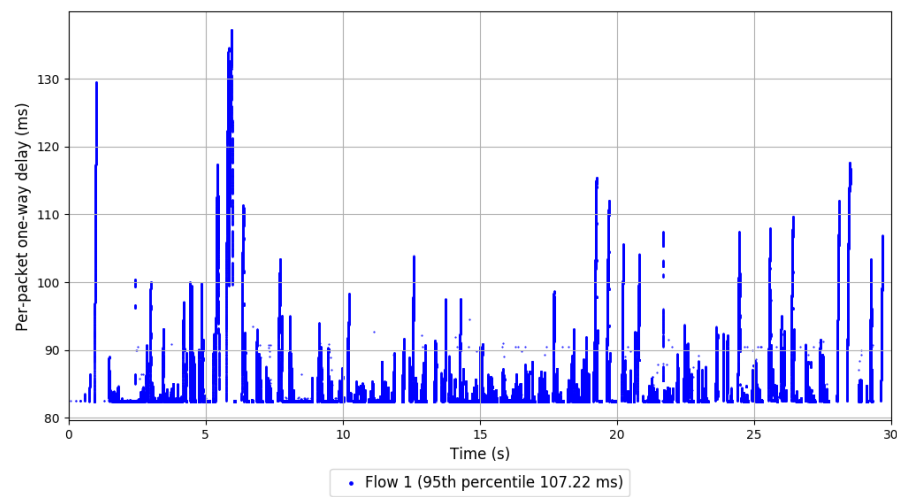
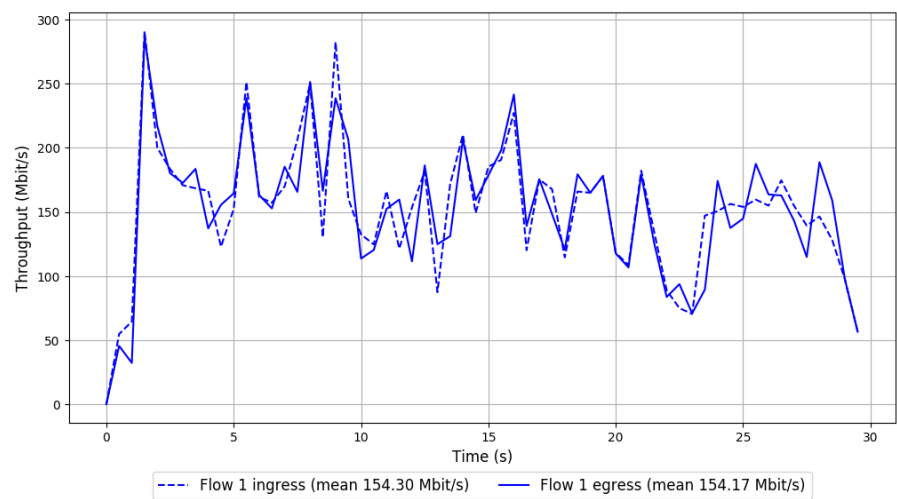


Run 6: Statistics of Verus

Start at: 2017-09-03 05:50:35  
End at: 2017-09-03 05:51:05  
Local clock offset: 0.263 ms  
Remote clock offset: -6.959 ms

# Below is generated by plot.py at 2017-09-03 08:42:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 154.17 Mbit/s  
95th percentile per-packet one-way delay: 107.218 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 154.17 Mbit/s  
95th percentile per-packet one-way delay: 107.218 ms  
Loss rate: 0.00%

Run 6: Report of Verus — Data Link



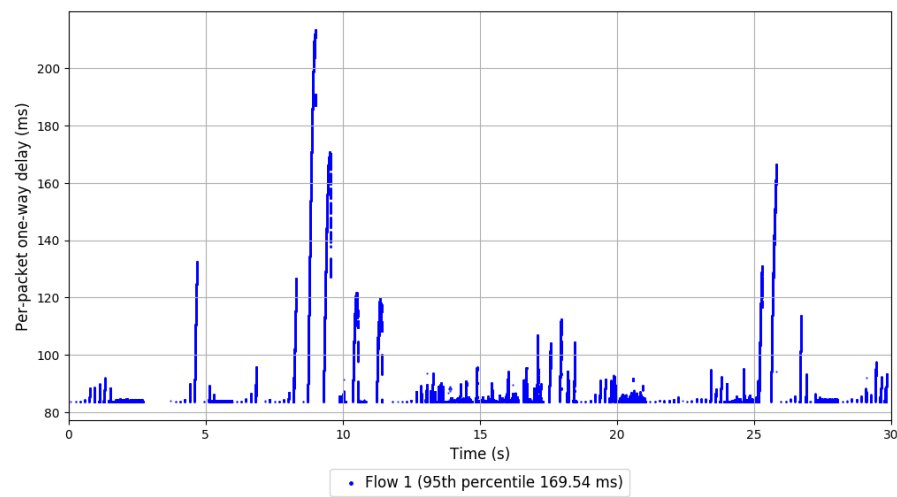
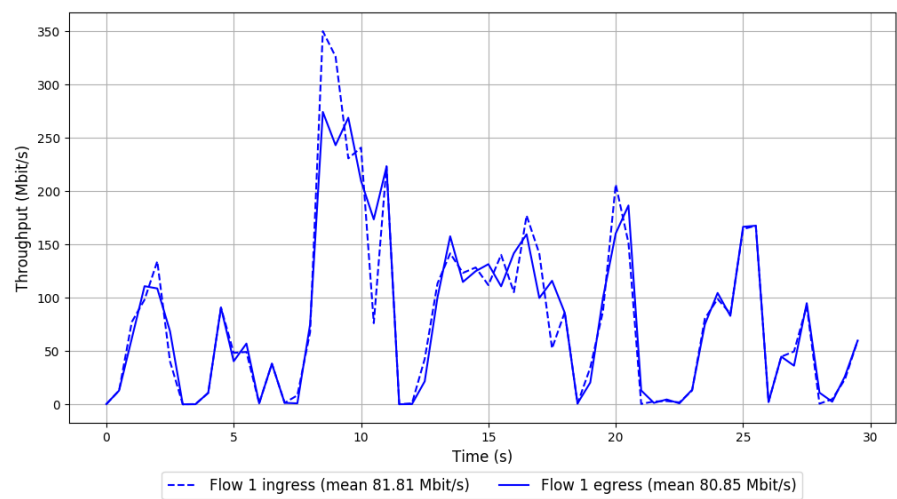
Run 7: Statistics of Verus

Start at: 2017-09-03 06:10:40  
End at: 2017-09-03 06:11:10  
Local clock offset: 0.309 ms  
Remote clock offset: -6.672 ms

# Below is generated by plot.py at 2017-09-03 08:42:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.85 Mbit/s  
95th percentile per-packet one-way delay: 169.538 ms  
Loss rate: 1.13%  
-- Flow 1:  
Average throughput: 80.85 Mbit/s  
95th percentile per-packet one-way delay: 169.538 ms  
Loss rate: 1.13%



Run 7: Report of Verus — Data Link

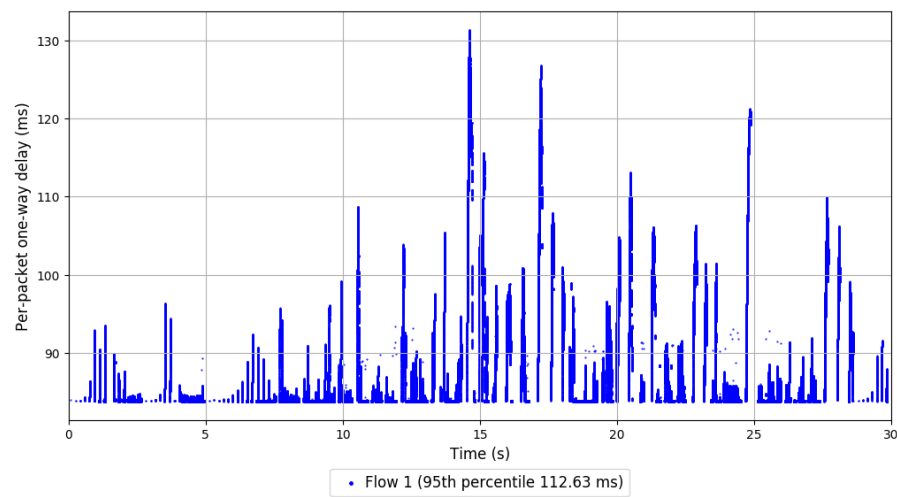
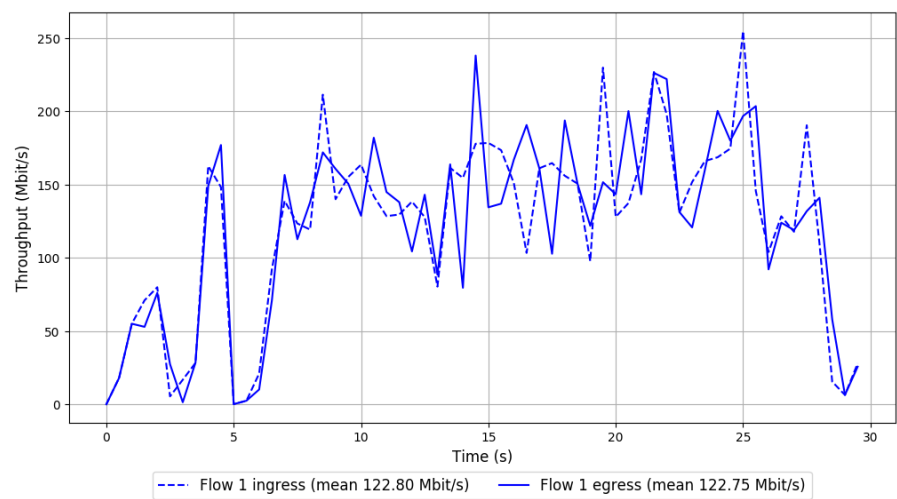


Run 8: Statistics of Verus

Start at: 2017-09-03 06:30:26  
End at: 2017-09-03 06:30:56  
Local clock offset: 0.35 ms  
Remote clock offset: -6.425 ms

# Below is generated by plot.py at 2017-09-03 08:42:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 122.75 Mbit/s  
95th percentile per-packet one-way delay: 112.628 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 122.75 Mbit/s  
95th percentile per-packet one-way delay: 112.628 ms  
Loss rate: 0.03%

Run 8: Report of Verus — Data Link

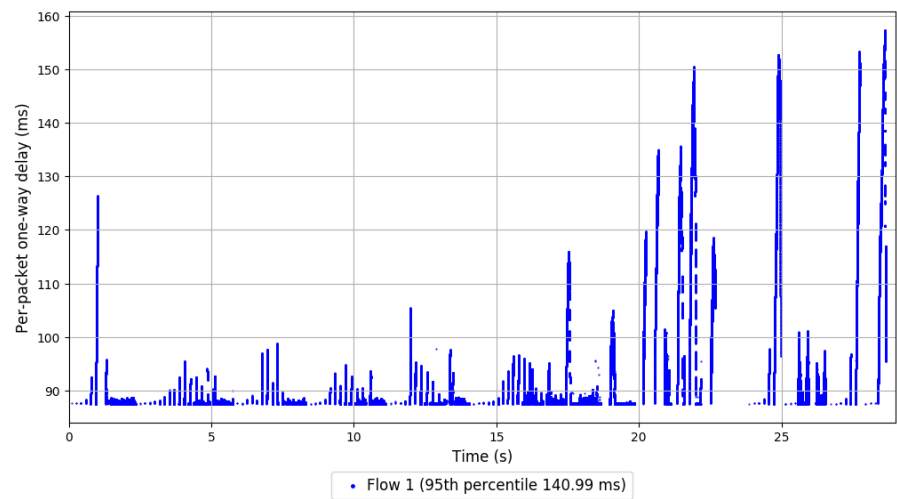
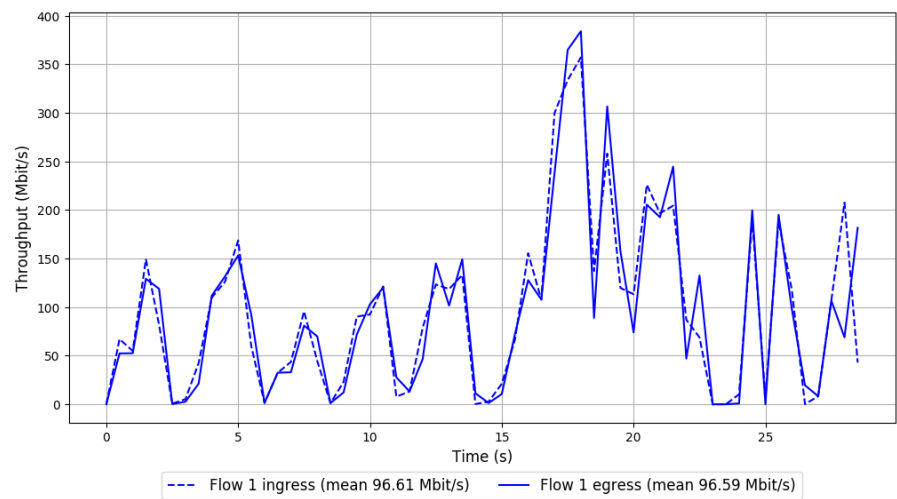


Run 9: Statistics of Verus

Start at: 2017-09-03 06:50:32  
End at: 2017-09-03 06:51:02  
Local clock offset: 0.475 ms  
Remote clock offset: -2.411 ms

# Below is generated by plot.py at 2017-09-03 08:42:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.59 Mbit/s  
95th percentile per-packet one-way delay: 140.990 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.59 Mbit/s  
95th percentile per-packet one-way delay: 140.990 ms  
Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-09-03 07:10:31

End at: 2017-09-03 07:11:01

Local clock offset: 0.455 ms

Remote clock offset: -7.18 ms

# Below is generated by plot.py at 2017-09-03 08:42:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 189.38 Mbit/s

95th percentile per-packet one-way delay: 123.821 ms

Loss rate: 0.00%

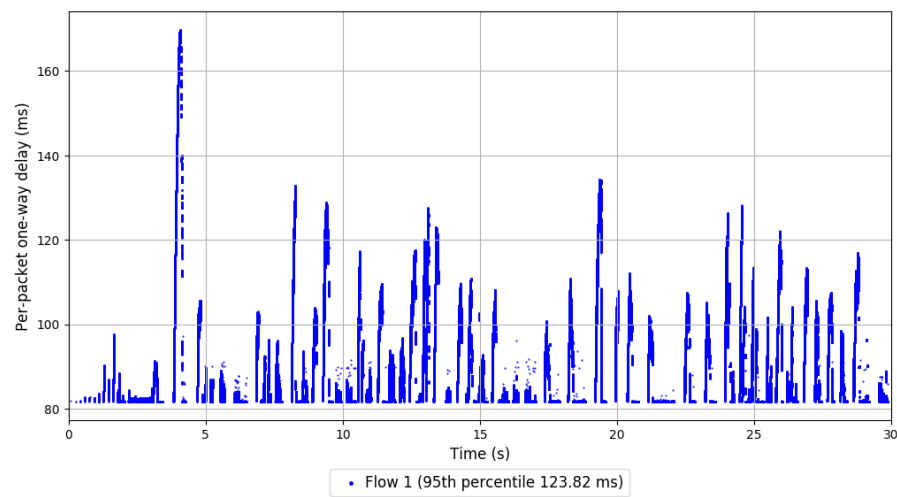
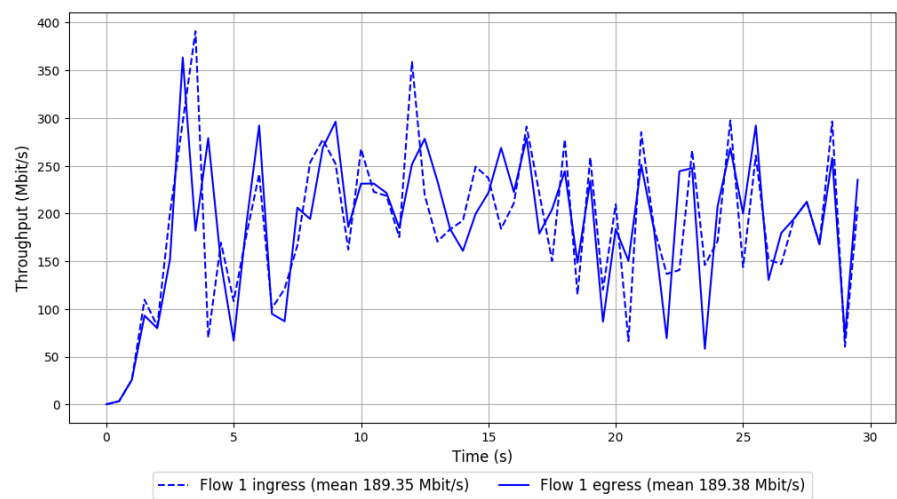
-- Flow 1:

Average throughput: 189.38 Mbit/s

95th percentile per-packet one-way delay: 123.821 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



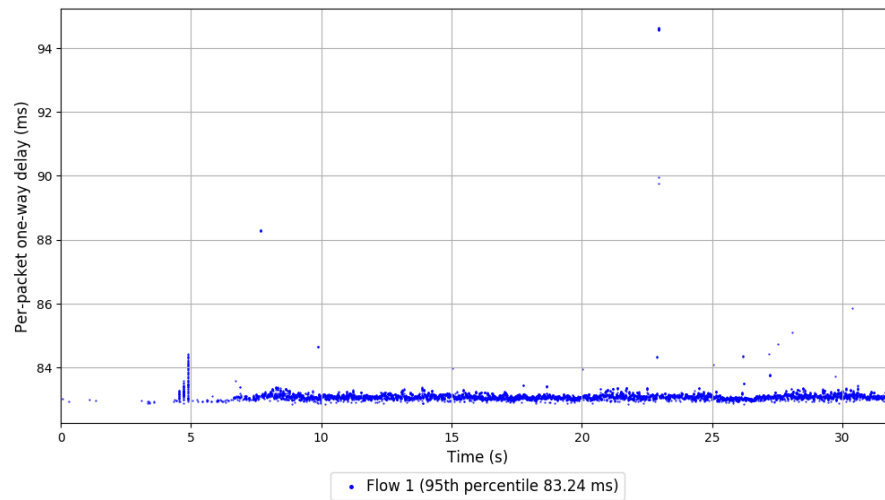
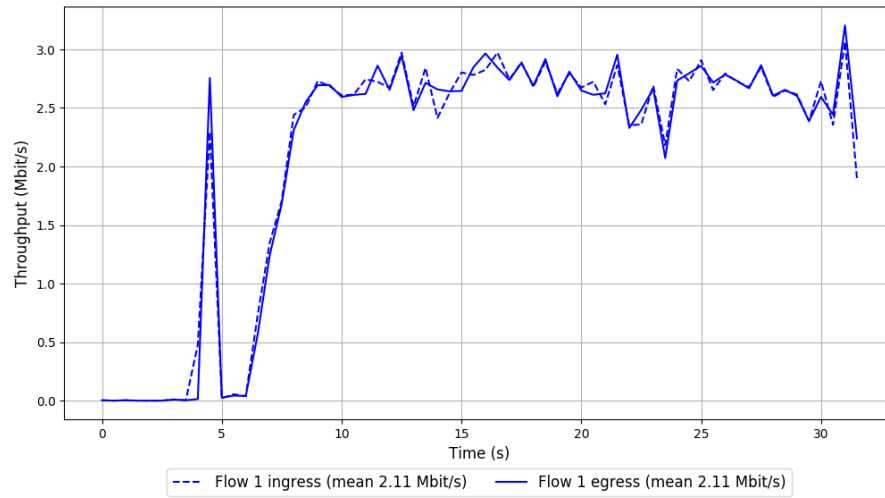
Run 1: Statistics of WebRTC media

Start at: 2017-09-03 04:18:11  
End at: 2017-09-03 04:18:41  
Local clock offset: 0.239 ms  
Remote clock offset: -7.534 ms

# Below is generated by plot.py at 2017-09-03 08:42:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 83.240 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 83.240 ms  
Loss rate: 0.00%



# Run 1: Report of WebRTC media — Data Link

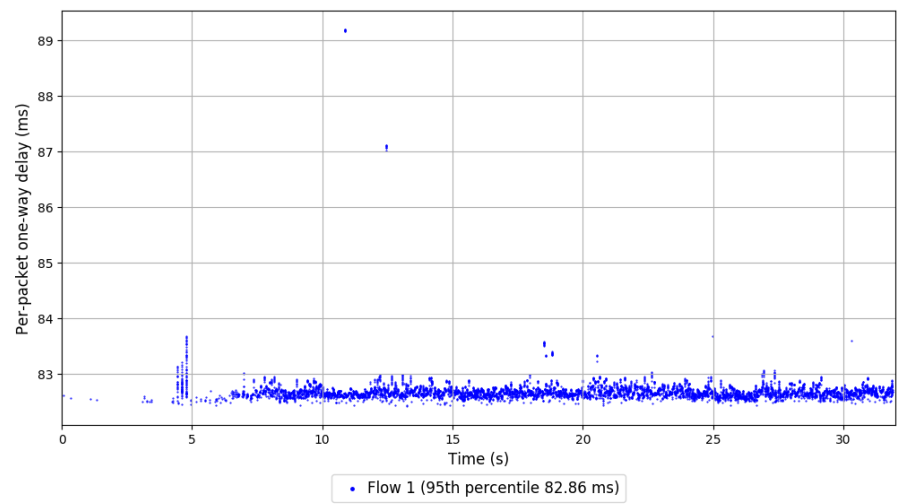
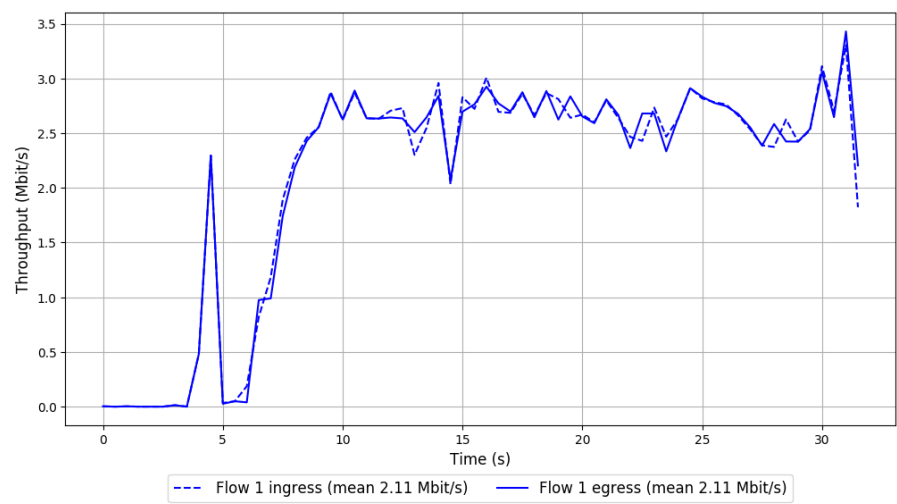


Run 2: Statistics of WebRTC media

Start at: 2017-09-03 04:37:44  
End at: 2017-09-03 04:38:14  
Local clock offset: 0.28 ms  
Remote clock offset: -6.923 ms

# Below is generated by plot.py at 2017-09-03 08:42:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 82.856 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 82.856 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

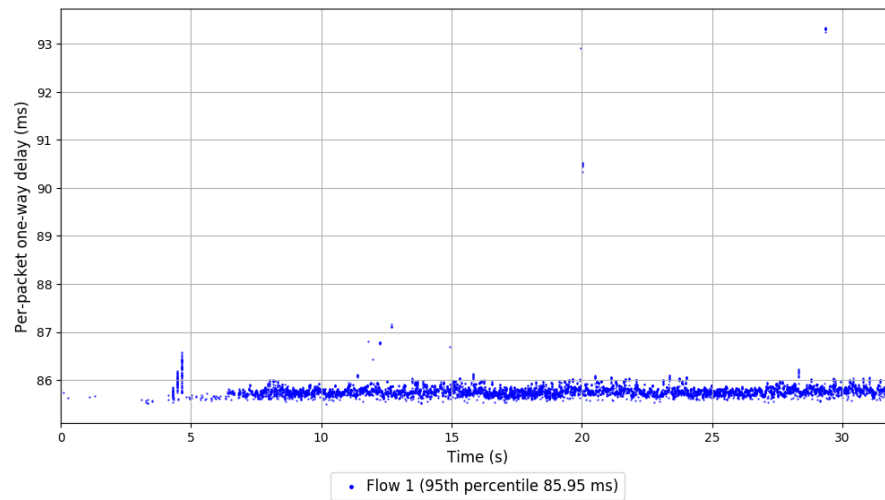
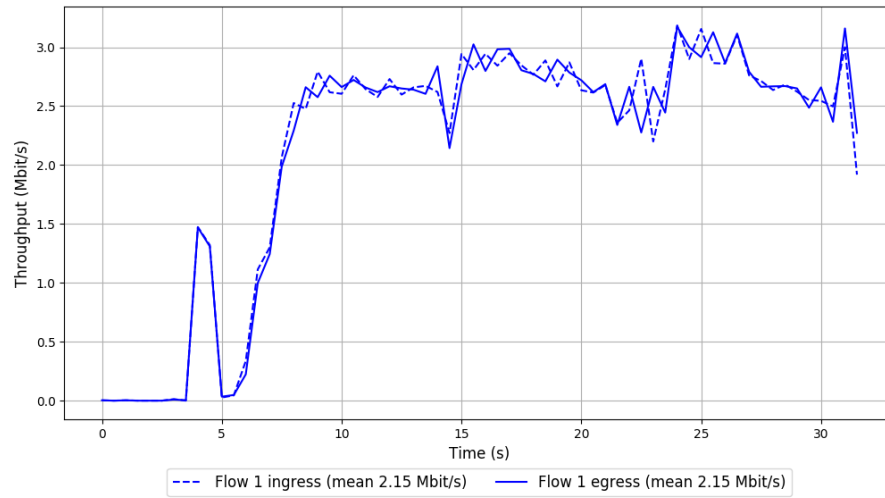


Run 3: Statistics of WebRTC media

Start at: 2017-09-03 04:57:52  
End at: 2017-09-03 04:58:22  
Local clock offset: 0.371 ms  
Remote clock offset: -4.034 ms

# Below is generated by plot.py at 2017-09-03 08:42:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.15 Mbit/s  
95th percentile per-packet one-way delay: 85.955 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.15 Mbit/s  
95th percentile per-packet one-way delay: 85.955 ms  
Loss rate: 0.00%

### Run 3: Report of WebRTC media — Data Link

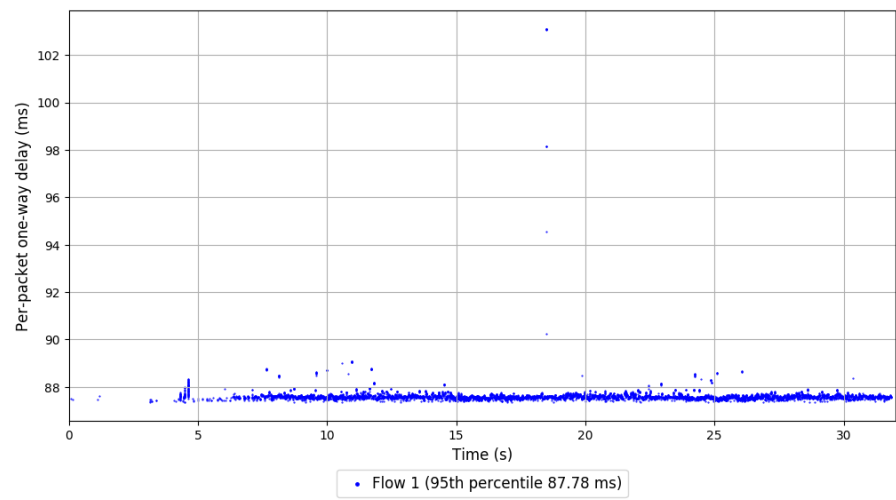
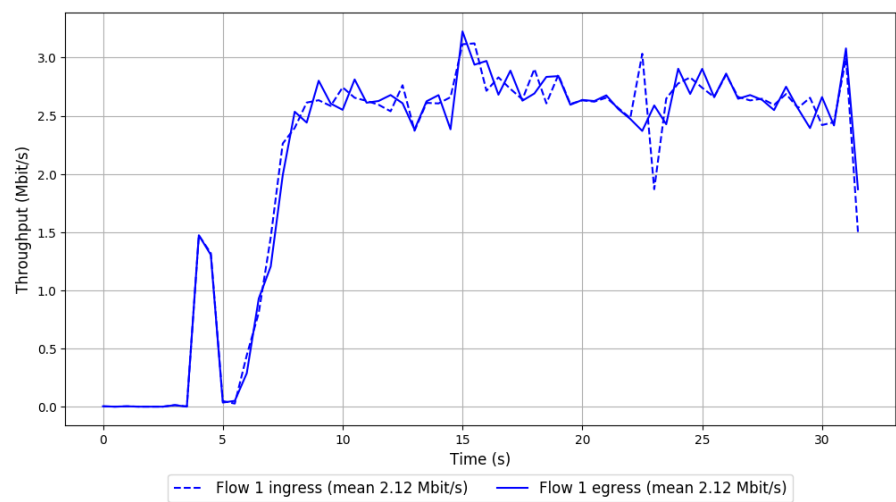


Run 4: Statistics of WebRTC media

Start at: 2017-09-03 05:17:39  
End at: 2017-09-03 05:18:09  
Local clock offset: 0.339 ms  
Remote clock offset: -3.069 ms

# Below is generated by plot.py at 2017-09-03 08:42:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.12 Mbit/s  
95th percentile per-packet one-way delay: 87.775 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.12 Mbit/s  
95th percentile per-packet one-way delay: 87.775 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



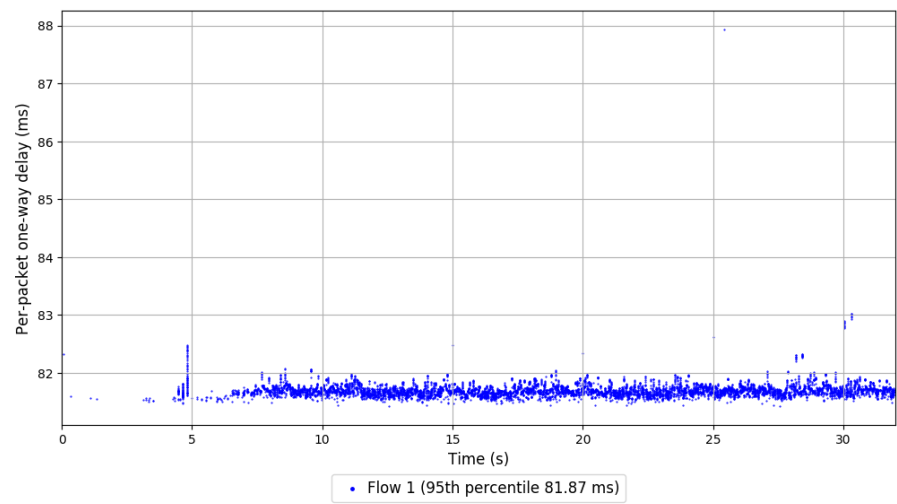
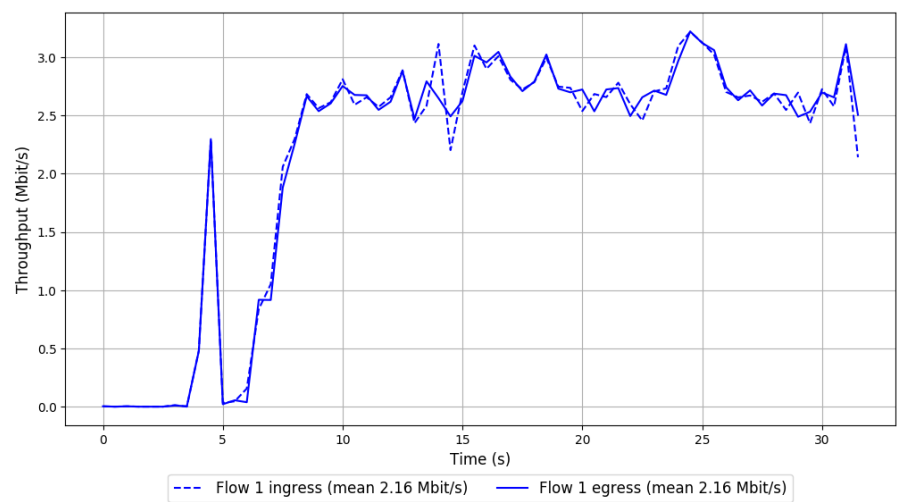
Run 5: Statistics of WebRTC media

Start at: 2017-09-03 05:37:35  
End at: 2017-09-03 05:38:05  
Local clock offset: 0.298 ms  
Remote clock offset: -7.805 ms

# Below is generated by plot.py at 2017-09-03 08:42:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.16 Mbit/s  
95th percentile per-packet one-way delay: 81.869 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.16 Mbit/s  
95th percentile per-packet one-way delay: 81.869 ms  
Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link

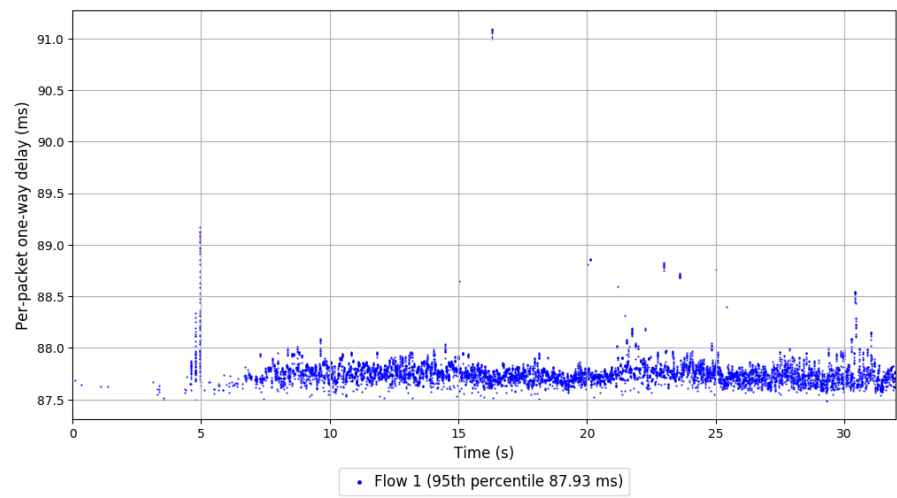
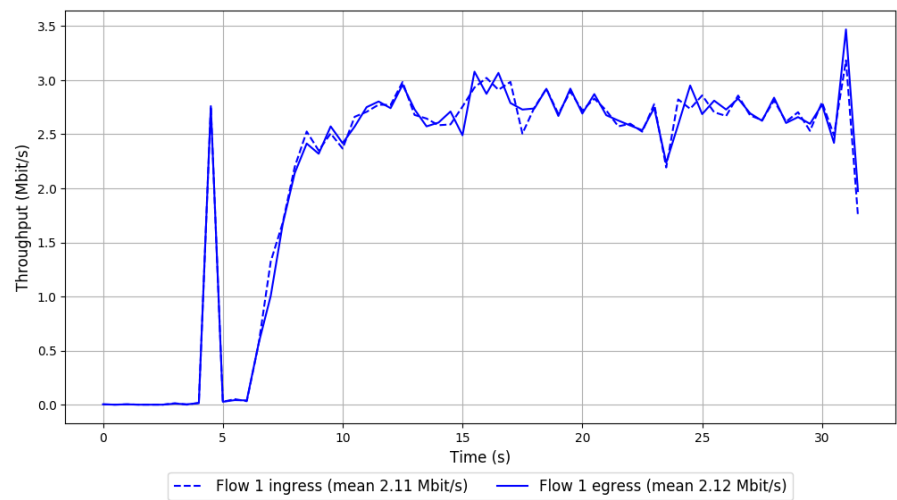


Run 6: Statistics of WebRTC media

Start at: 2017-09-03 05:57:42  
End at: 2017-09-03 05:58:12  
Local clock offset: 0.373 ms  
Remote clock offset: -2.832 ms

# Below is generated by plot.py at 2017-09-03 08:42:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.12 Mbit/s  
95th percentile per-packet one-way delay: 87.931 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.12 Mbit/s  
95th percentile per-packet one-way delay: 87.931 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

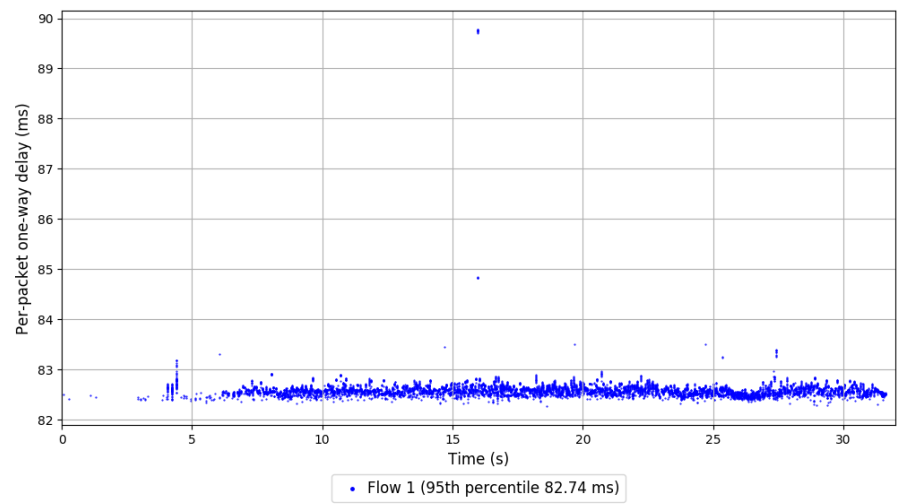
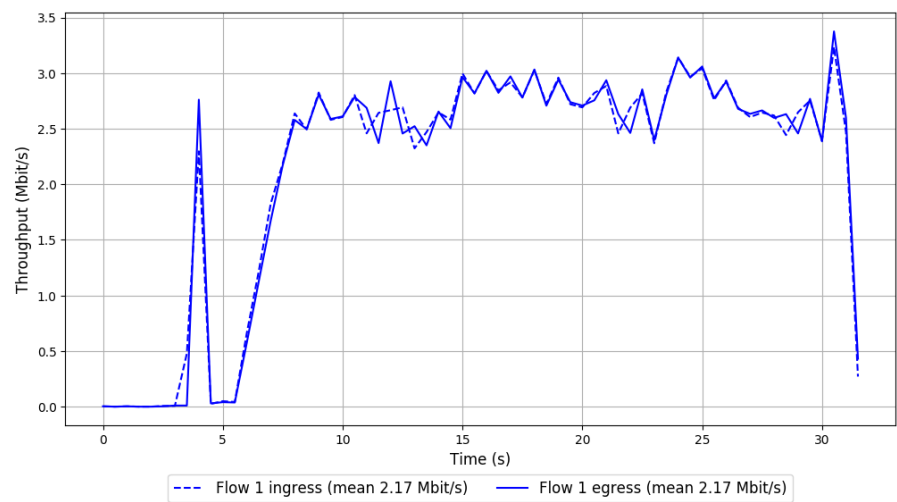


Run 7: Statistics of WebRTC media

Start at: 2017-09-03 06:17:36  
End at: 2017-09-03 06:18:06  
Local clock offset: 0.298 ms  
Remote clock offset: -7.432 ms

# Below is generated by plot.py at 2017-09-03 08:42:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.17 Mbit/s  
95th percentile per-packet one-way delay: 82.739 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.17 Mbit/s  
95th percentile per-packet one-way delay: 82.739 ms  
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-09-03 06:37:52

End at: 2017-09-03 06:38:22

Local clock offset: 0.408 ms

Remote clock offset: -2.49 ms

# Below is generated by plot.py at 2017-09-03 08:42:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 86.383 ms

Loss rate: 0.00%

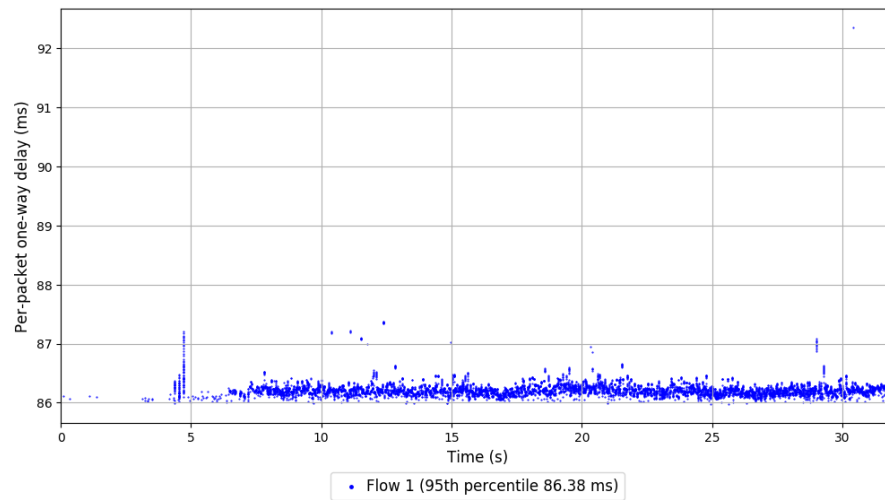
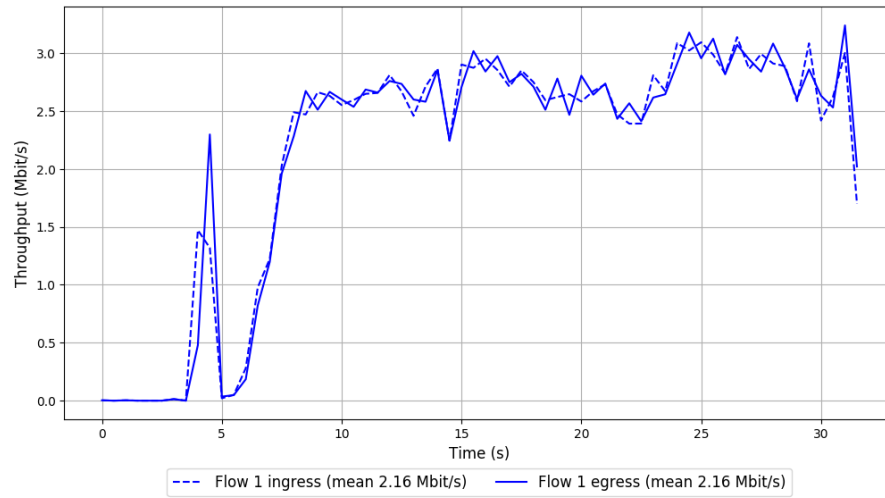
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 86.383 ms

Loss rate: 0.00%

## Run 8: Report of WebRTC media — Data Link



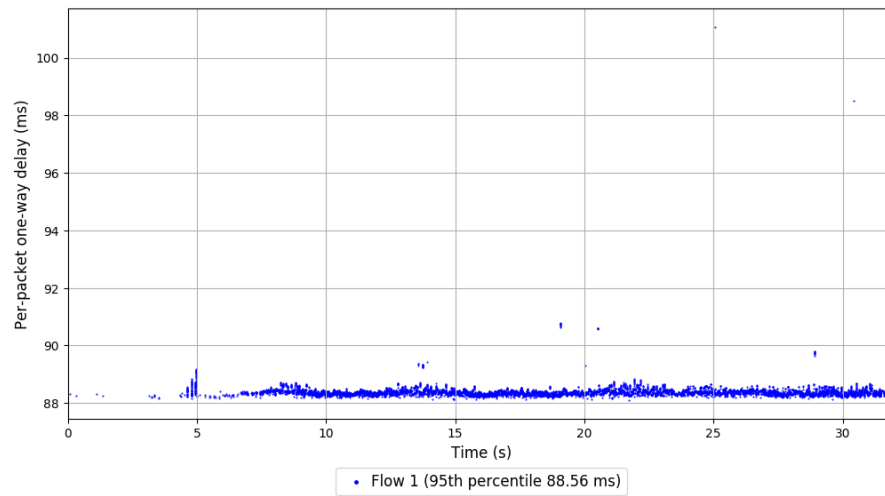
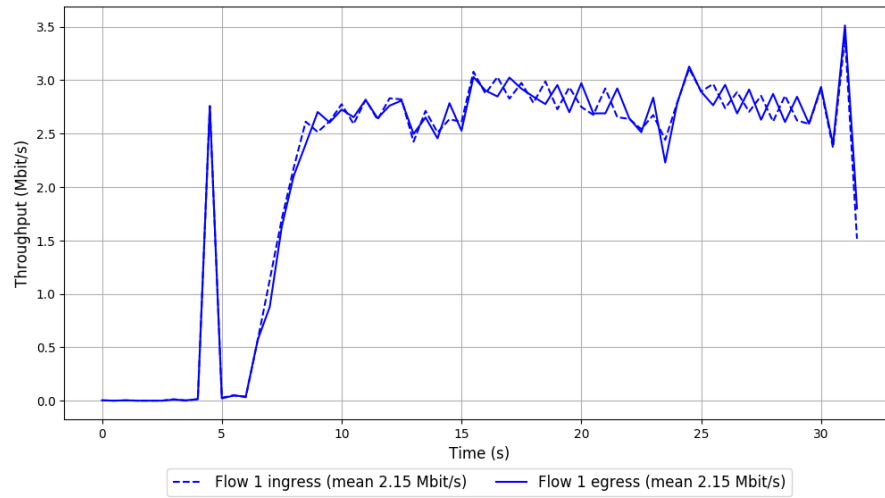
Run 9: Statistics of WebRTC media

Start at: 2017-09-03 06:57:20  
End at: 2017-09-03 06:57:50  
Local clock offset: 0.499 ms  
Remote clock offset: -1.464 ms

# Below is generated by plot.py at 2017-09-03 08:42:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.15 Mbit/s  
95th percentile per-packet one-way delay: 88.565 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.15 Mbit/s  
95th percentile per-packet one-way delay: 88.565 ms  
Loss rate: 0.00%



### Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-09-03 07:17:38

End at: 2017-09-03 07:18:08

Local clock offset: 0.45 ms

Remote clock offset: -6.295 ms

# Below is generated by plot.py at 2017-09-03 08:42:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 82.680 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 82.680 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

