

Pantheon Report

Generated at 2017-09-21 16:23:31 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

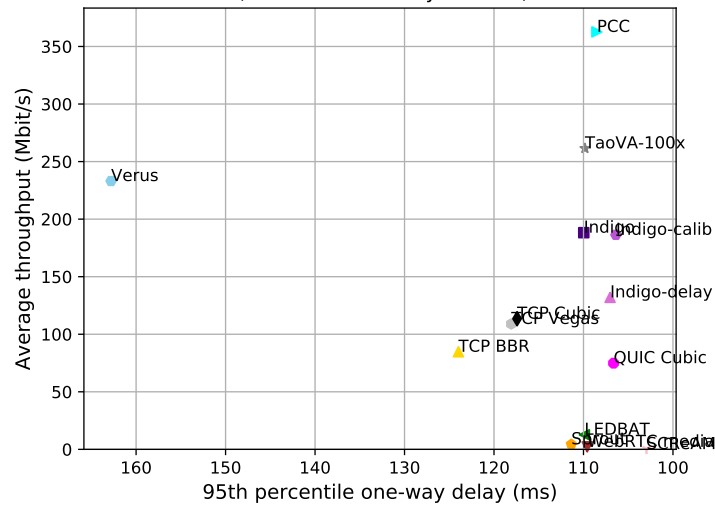
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

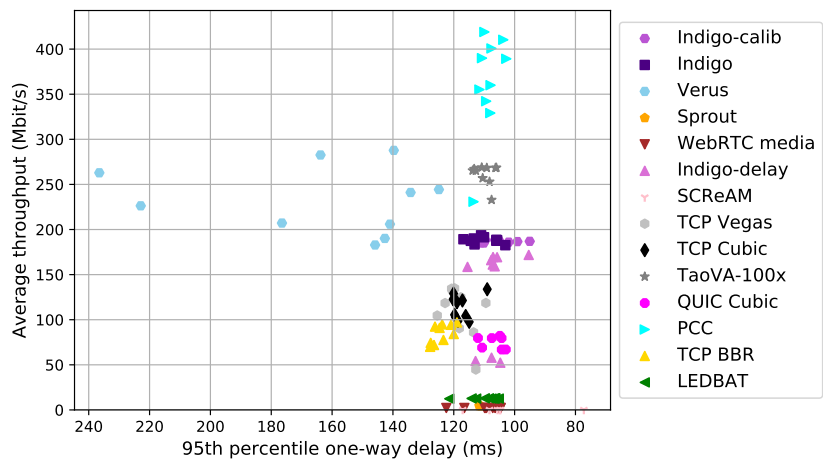
Git summary:

```
branch: indigos @ 46c7c812d4acb71eea4f5fb0b03b3657cea3062f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-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



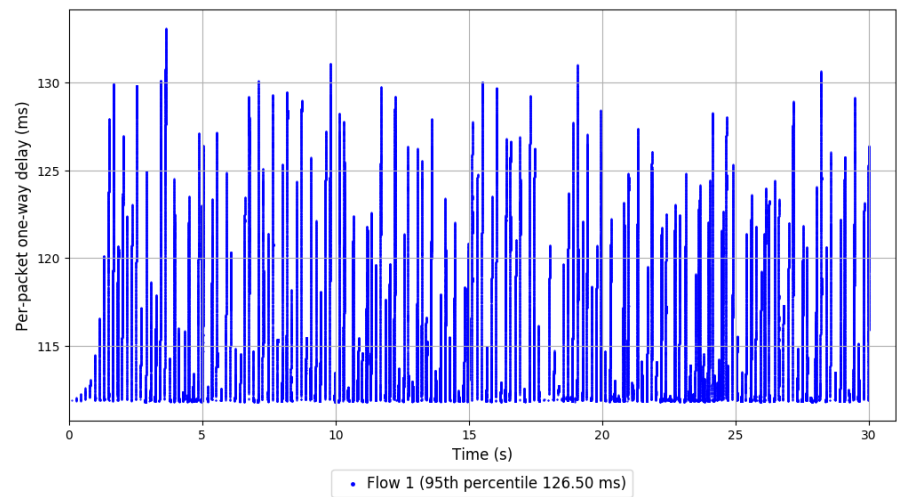
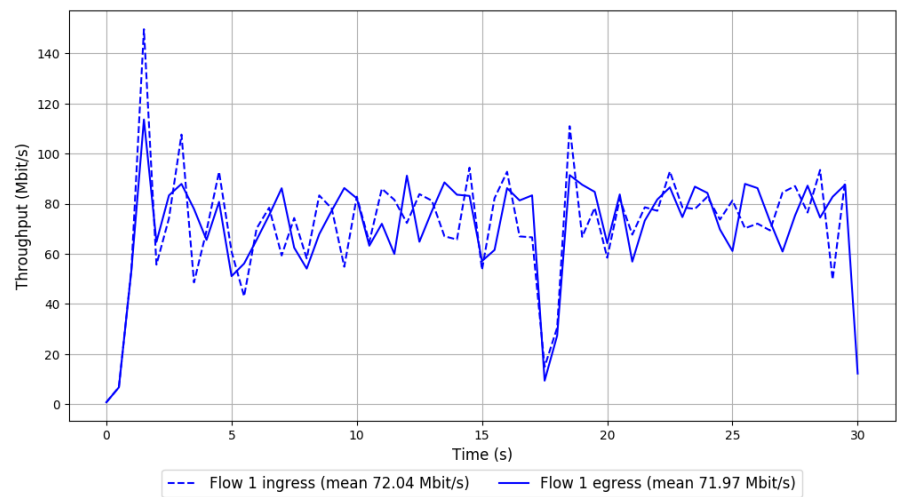
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	84.78	123.98	0.03
TCP Cubic	10	113.50	117.42	0.01
LEDBAT	10	12.67	109.90	0.01
PCC	10	362.66	108.50	6.88
QUIC Cubic	7	74.88	106.64	0.00
SCReAM	6	0.22	102.96	0.00
WebRTC media	10	2.14	109.58	0.00
Sprout	2	4.40	111.36	0.00
TaoVA-100x	10	261.46	109.84	0.00
TCP Vegas	10	108.95	118.08	0.01
Verus	10	233.09	162.80	0.74
Indigo	10	188.23	109.97	0.00
Indigo-calib	10	186.38	106.38	0.00
Indigo-delay	10	132.03	107.03	0.00

Run 1: Statistics of TCP BBR

Start at: 2017-09-21 12:15:33
End at: 2017-09-21 12:16:03
Local clock offset: -0.192 ms
Remote clock offset: 22.397 ms

Below is generated by plot.py at 2017-09-21 15:48:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.97 Mbit/s
95th percentile per-packet one-way delay: 126.502 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 71.97 Mbit/s
95th percentile per-packet one-way delay: 126.502 ms
Loss rate: 0.06%

Run 1: Report of TCP BBR — Data Link

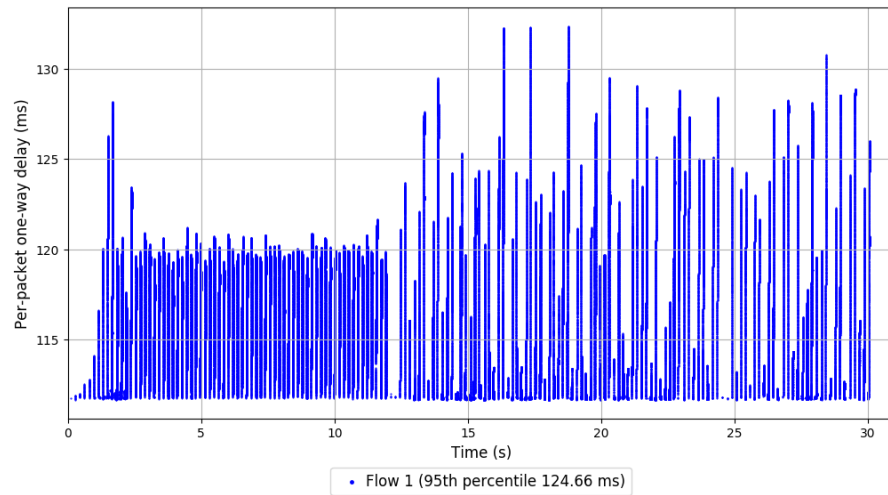
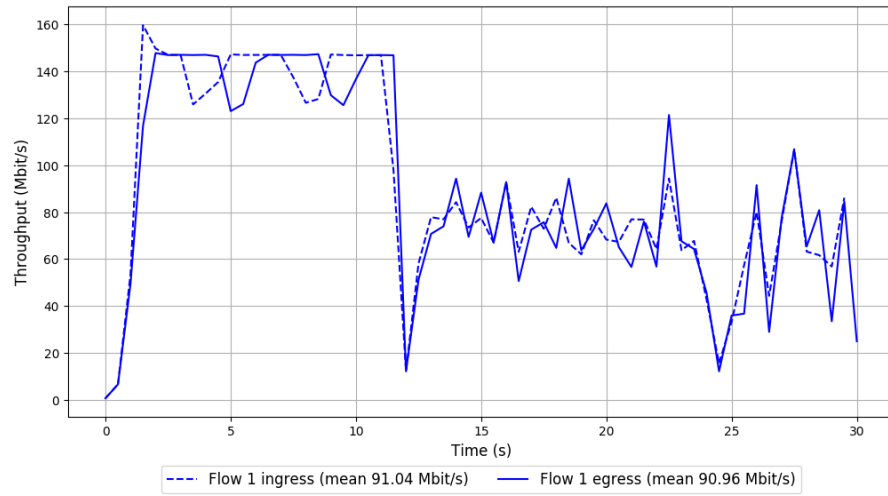


Run 2: Statistics of TCP BBR

Start at: 2017-09-21 12:33:39
End at: 2017-09-21 12:34:09
Local clock offset: -0.166 ms
Remote clock offset: 23.225 ms

Below is generated by plot.py at 2017-09-21 15:48:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 124.663 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 124.663 ms
Loss rate: 0.06%

Run 2: Report of TCP BBR — Data Link

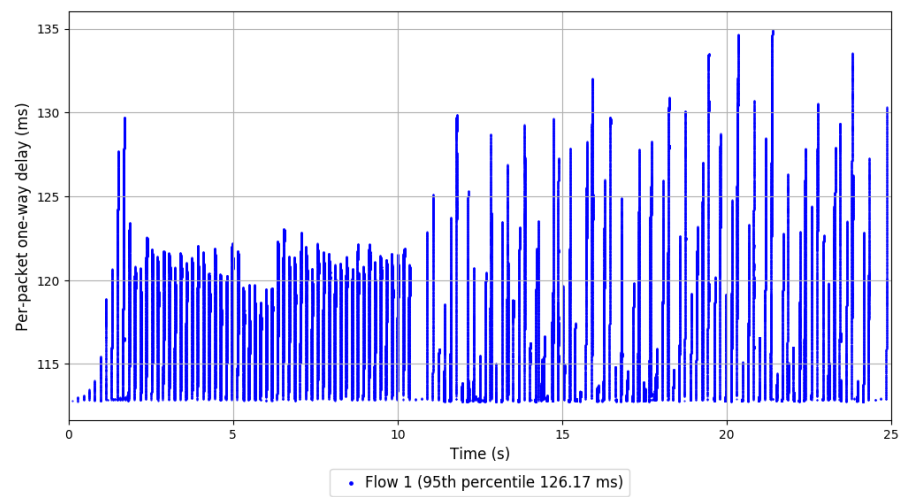
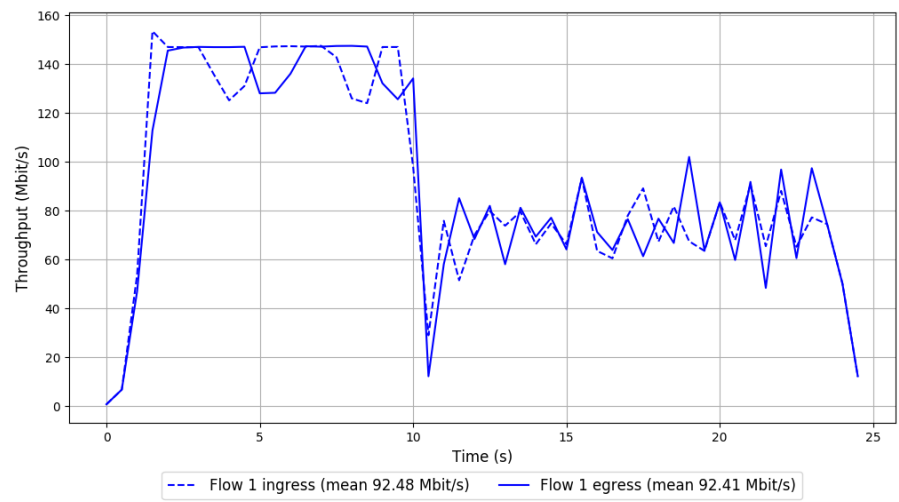


Run 3: Statistics of TCP BBR

Start at: 2017-09-21 12:51:41
End at: 2017-09-21 12:52:11
Local clock offset: -0.093 ms
Remote clock offset: 22.028 ms

Below is generated by plot.py at 2017-09-21 15:48:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 126.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 126.168 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

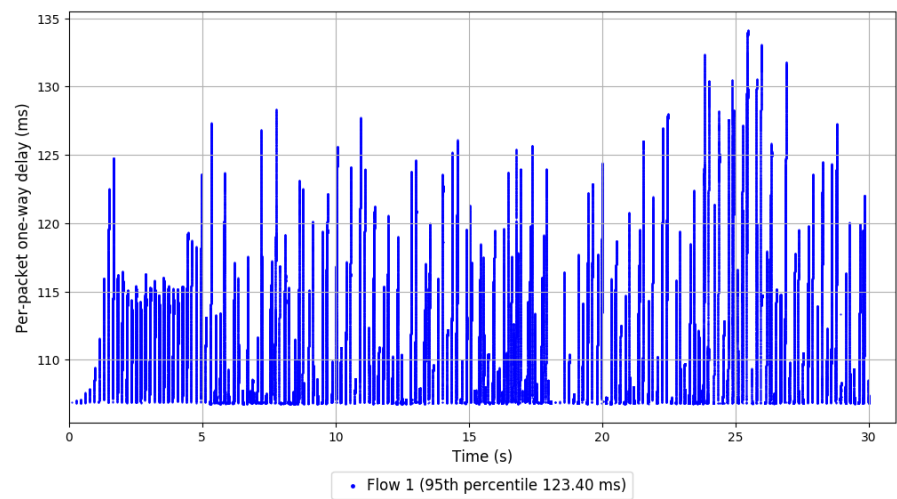
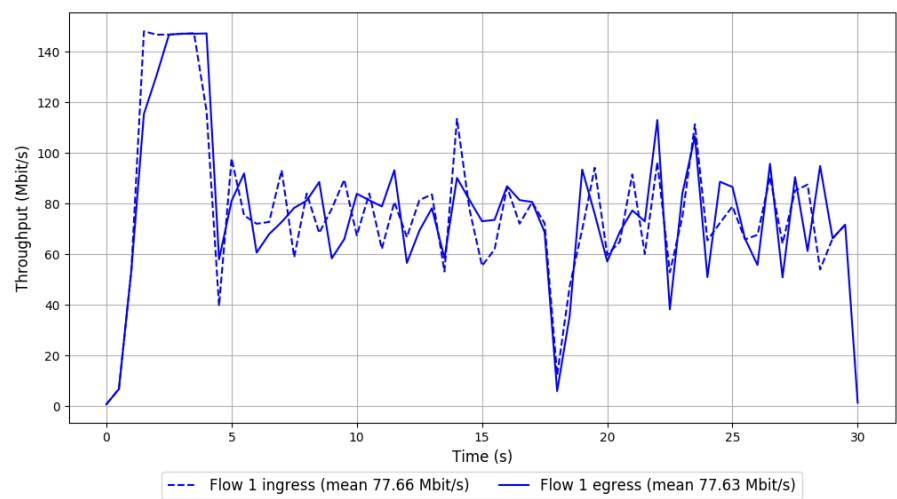


Run 4: Statistics of TCP BBR

Start at: 2017-09-21 13:10:01
End at: 2017-09-21 13:10:31
Local clock offset: -0.056 ms
Remote clock offset: 16.249 ms

Below is generated by plot.py at 2017-09-21 15:48:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.63 Mbit/s
95th percentile per-packet one-way delay: 123.396 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.63 Mbit/s
95th percentile per-packet one-way delay: 123.396 ms
Loss rate: 0.03%

Run 4: Report of TCP BBR — Data Link

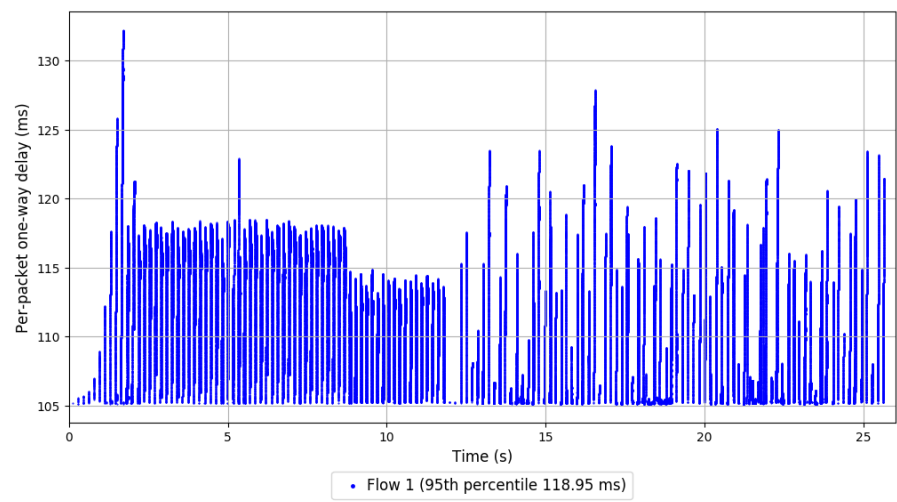
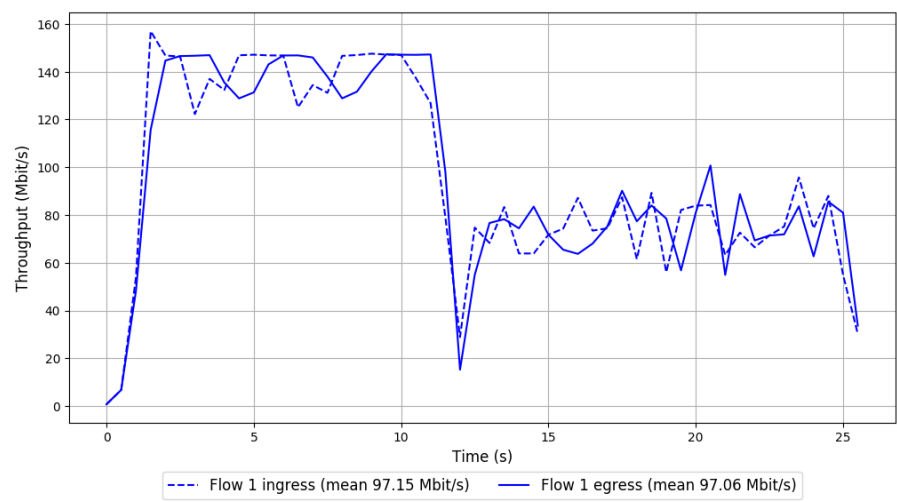


Run 5: Statistics of TCP BBR

Start at: 2017-09-21 13:28:13
End at: 2017-09-21 13:28:43
Local clock offset: -0.103 ms
Remote clock offset: 14.429 ms

Below is generated by plot.py at 2017-09-21 15:48:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 118.952 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 118.952 ms
Loss rate: 0.04%

Run 5: Report of TCP BBR — Data Link

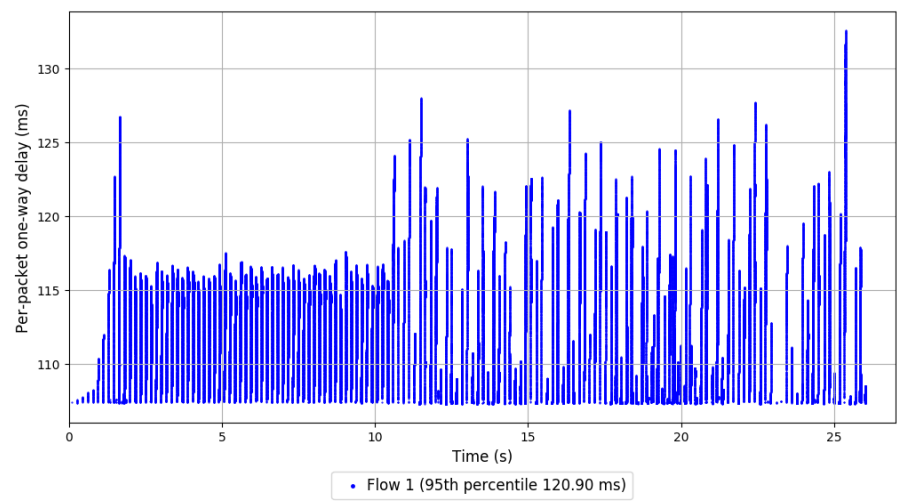
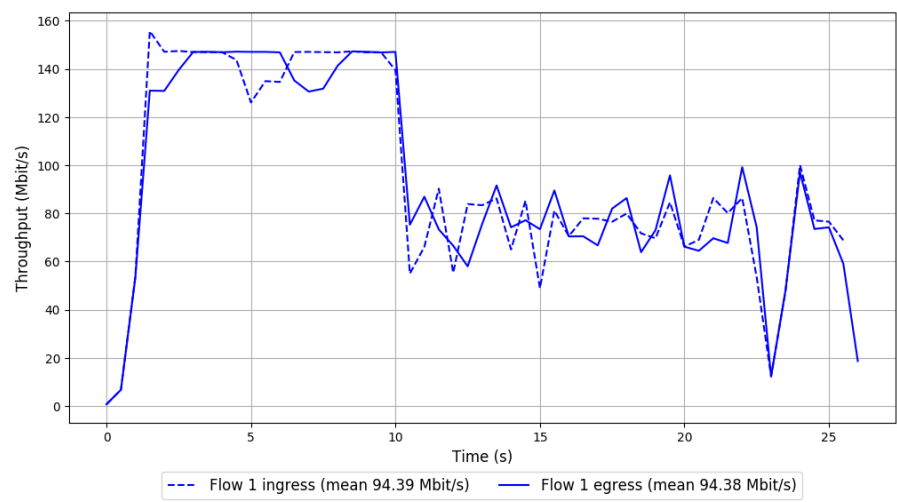


Run 6: Statistics of TCP BBR

Start at: 2017-09-21 13:46:32
End at: 2017-09-21 13:47:02
Local clock offset: -0.046 ms
Remote clock offset: 18.363 ms

Below is generated by plot.py at 2017-09-21 15:48:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 120.904 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 120.904 ms
Loss rate: 0.01%

Run 6: Report of TCP BBR — Data Link

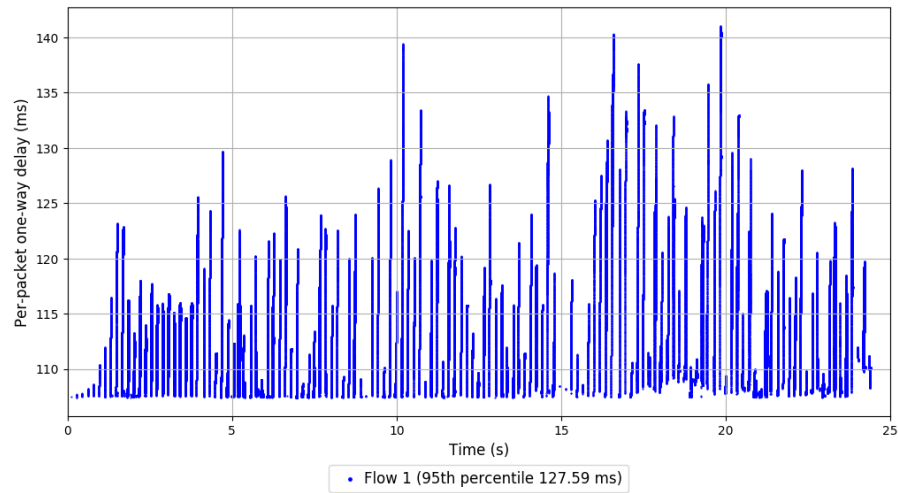
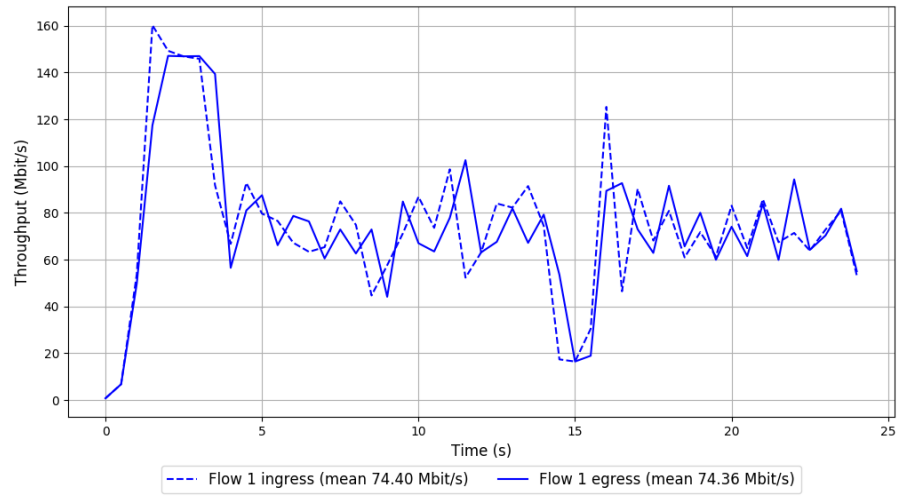


Run 7: Statistics of TCP BBR

Start at: 2017-09-21 14:04:49
End at: 2017-09-21 14:05:19
Local clock offset: 0.015 ms
Remote clock offset: 16.055 ms

Below is generated by plot.py at 2017-09-21 15:48:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.36 Mbit/s
95th percentile per-packet one-way delay: 127.595 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 74.36 Mbit/s
95th percentile per-packet one-way delay: 127.595 ms
Loss rate: 0.04%

Run 7: Report of TCP BBR — Data Link

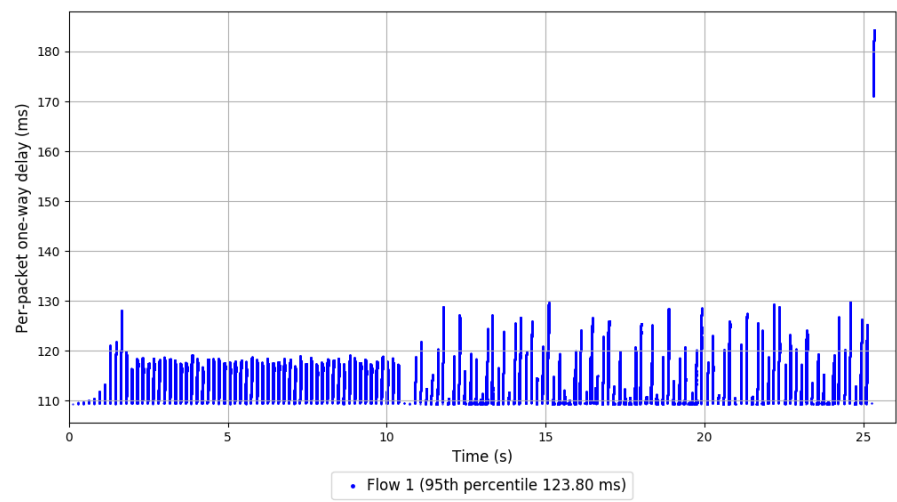
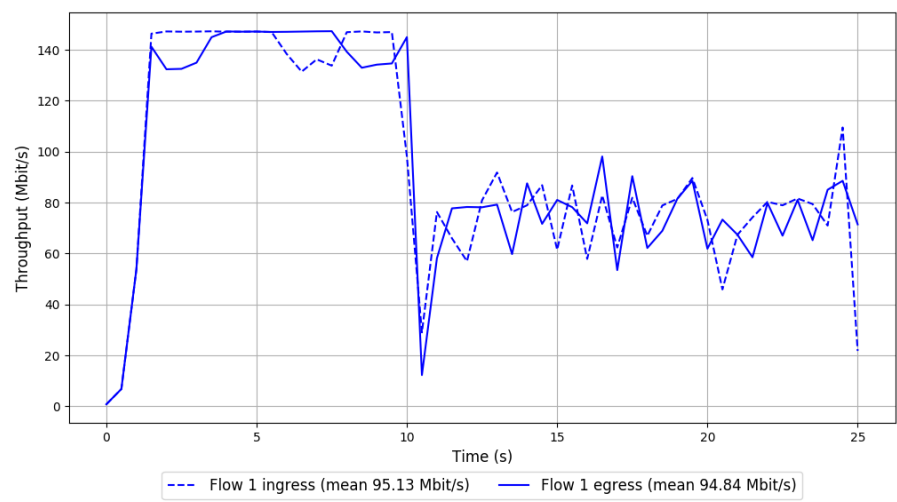


Run 8: Statistics of TCP BBR

Start at: 2017-09-21 14:23:25
End at: 2017-09-21 14:23:55
Local clock offset: 0.106 ms
Remote clock offset: 21.085 ms

Below is generated by plot.py at 2017-09-21 15:48:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 123.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 123.800 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

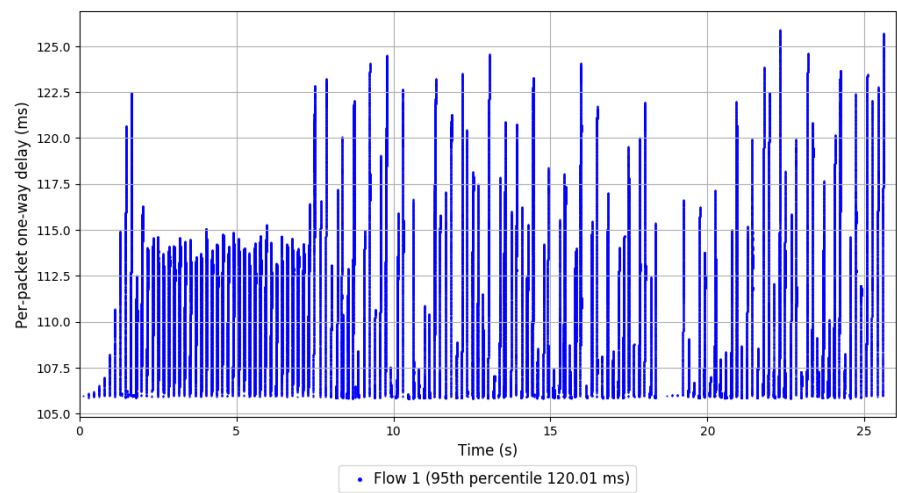
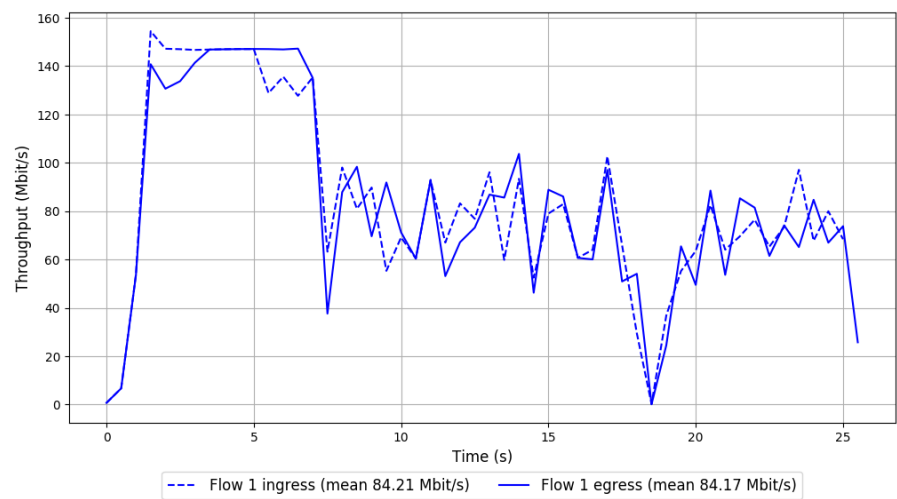


Run 9: Statistics of TCP BBR

Start at: 2017-09-21 14:41:39
End at: 2017-09-21 14:42:09
Local clock offset: 0.093 ms
Remote clock offset: 17.495 ms

Below is generated by plot.py at 2017-09-21 15:49:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 120.008 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 120.008 ms
Loss rate: 0.01%

Run 9: Report of TCP BBR — Data Link

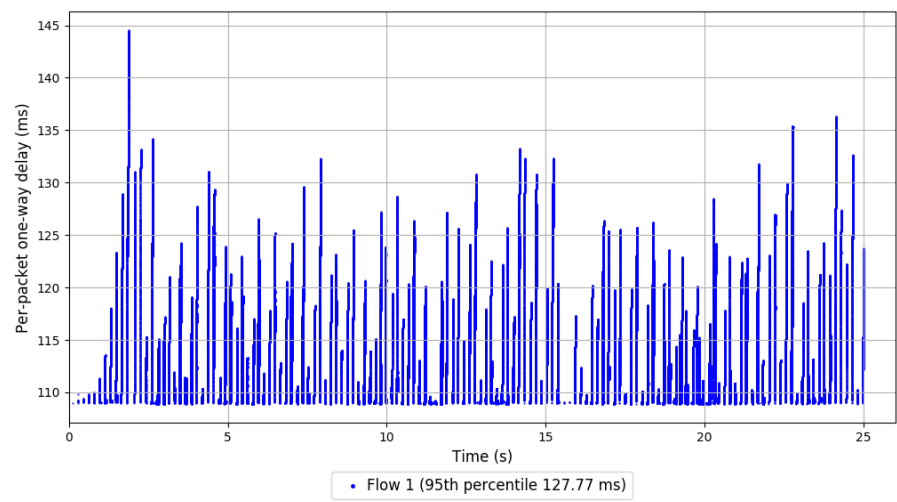
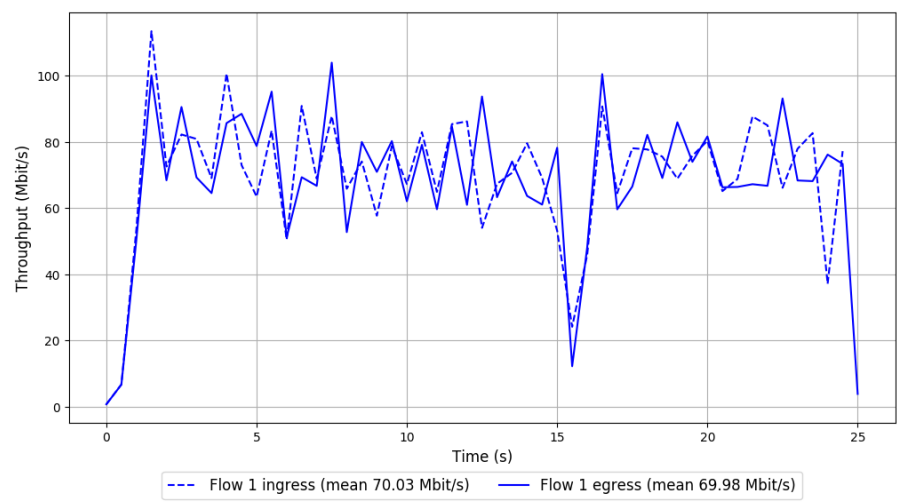


Run 10: Statistics of TCP BBR

Start at: 2017-09-21 14:59:55
End at: 2017-09-21 15:00:25
Local clock offset: 0.101 ms
Remote clock offset: 20.664 ms

Below is generated by plot.py at 2017-09-21 15:49:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.98 Mbit/s
95th percentile per-packet one-way delay: 127.771 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 69.98 Mbit/s
95th percentile per-packet one-way delay: 127.771 ms
Loss rate: 0.01%

Run 10: Report of TCP BBR — Data Link

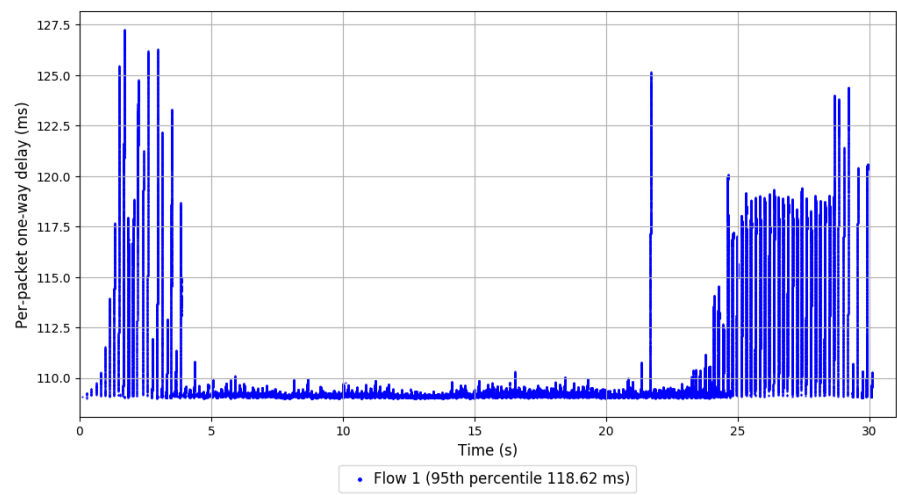
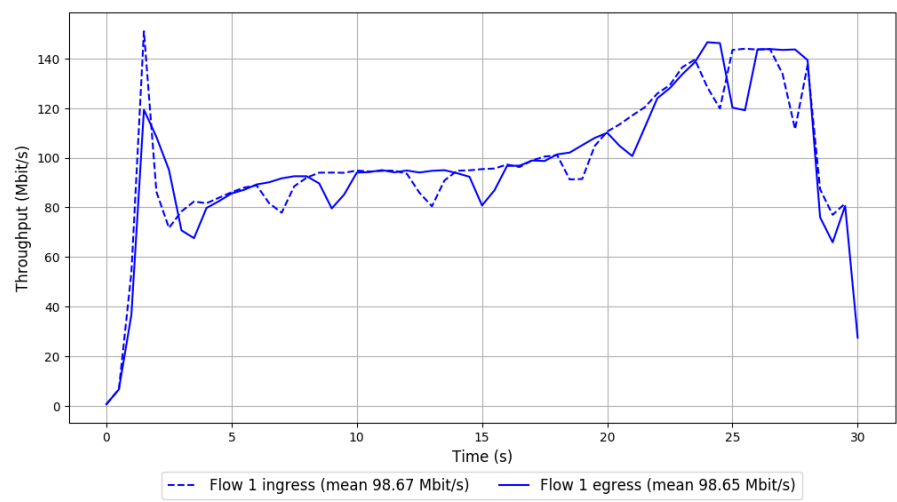


Run 1: Statistics of TCP Cubic

Start at: 2017-09-21 12:29:51
End at: 2017-09-21 12:30:21
Local clock offset: -0.114 ms
Remote clock offset: 19.167 ms

Below is generated by plot.py at 2017-09-21 15:49:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.65 Mbit/s
95th percentile per-packet one-way delay: 118.617 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 98.65 Mbit/s
95th percentile per-packet one-way delay: 118.617 ms
Loss rate: 0.02%

Run 1: Report of TCP Cubic — Data Link

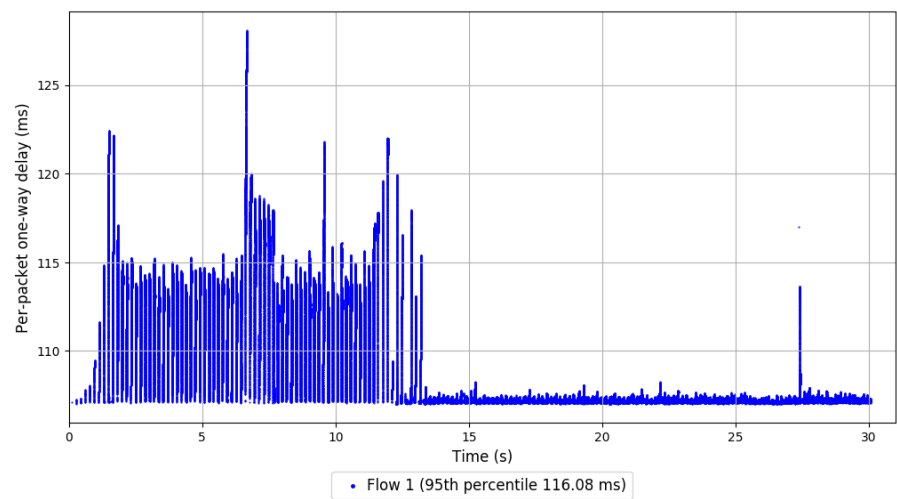
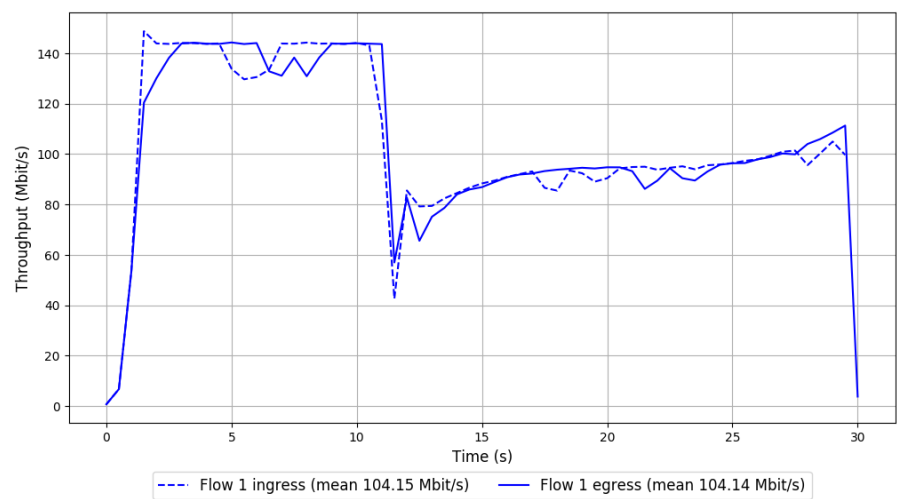


Run 2: Statistics of TCP Cubic

Start at: 2017-09-21 12:47:53
End at: 2017-09-21 12:48:23
Local clock offset: -0.099 ms
Remote clock offset: 17.115 ms

Below is generated by plot.py at 2017-09-21 15:49:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.14 Mbit/s
95th percentile per-packet one-way delay: 116.085 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 104.14 Mbit/s
95th percentile per-packet one-way delay: 116.085 ms
Loss rate: 0.02%

Run 2: Report of TCP Cubic — Data Link

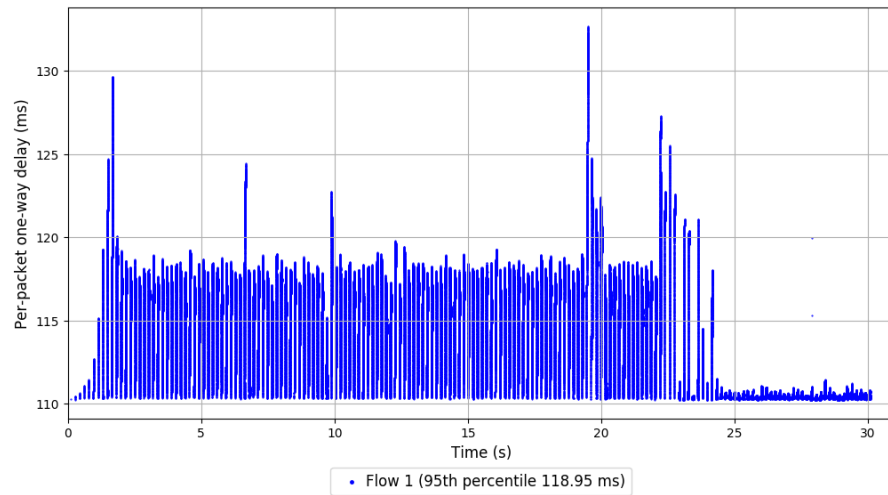
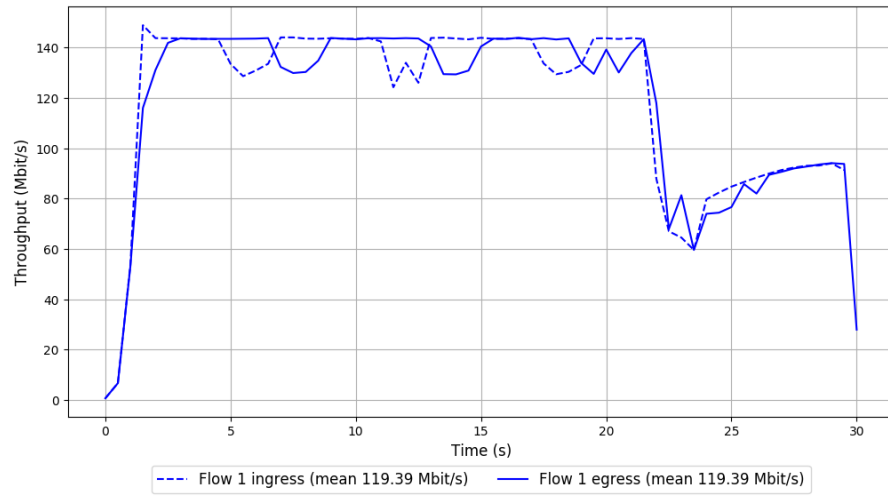


Run 3: Statistics of TCP Cubic

Start at: 2017-09-21 13:06:01
End at: 2017-09-21 13:06:31
Local clock offset: -0.114 ms
Remote clock offset: 19.735 ms

Below is generated by plot.py at 2017-09-21 15:50:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 119.39 Mbit/s
95th percentile per-packet one-way delay: 118.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 119.39 Mbit/s
95th percentile per-packet one-way delay: 118.950 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

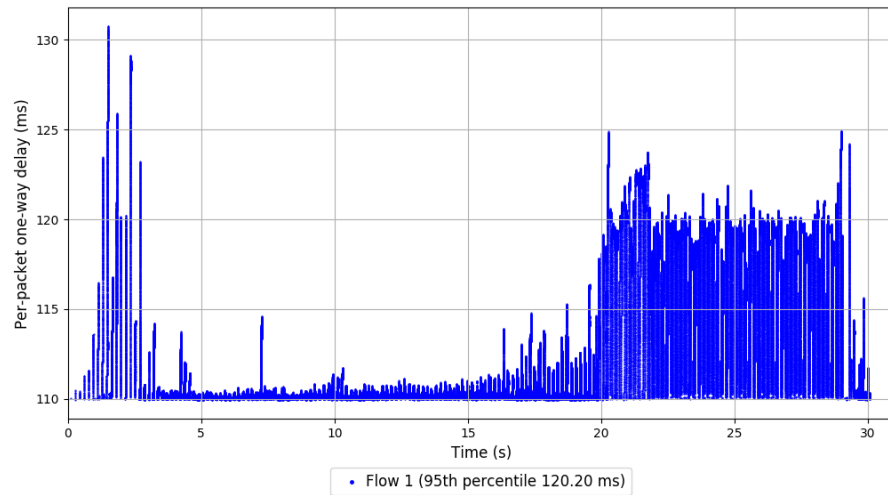
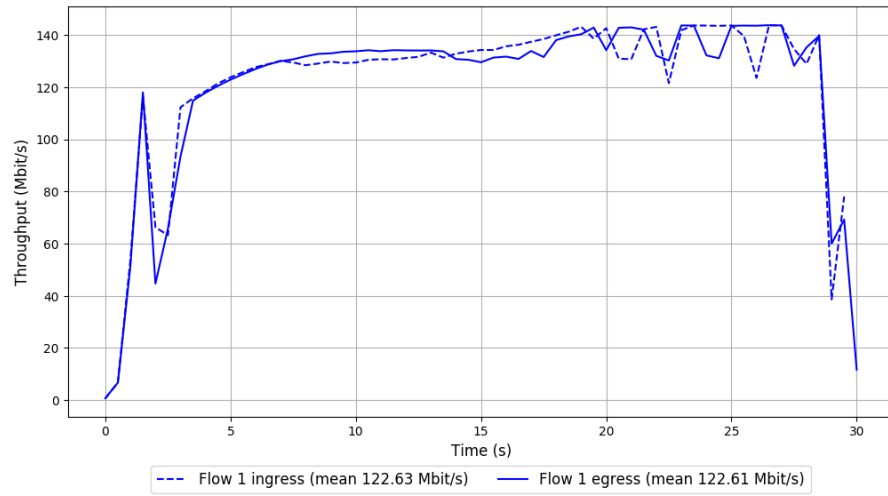


Run 4: Statistics of TCP Cubic

Start at: 2017-09-21 13:24:22
End at: 2017-09-21 13:24:52
Local clock offset: -0.043 ms
Remote clock offset: 20.865 ms

Below is generated by plot.py at 2017-09-21 15:50:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.61 Mbit/s
95th percentile per-packet one-way delay: 120.205 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 122.61 Mbit/s
95th percentile per-packet one-way delay: 120.205 ms
Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link

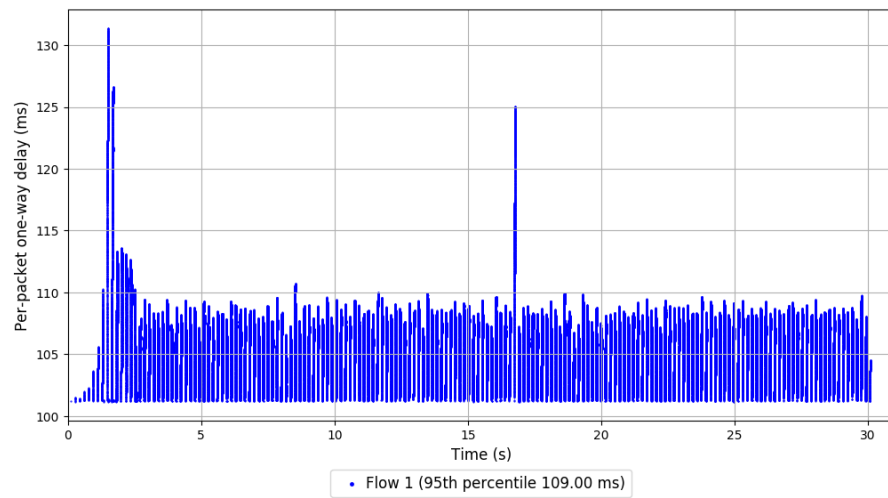
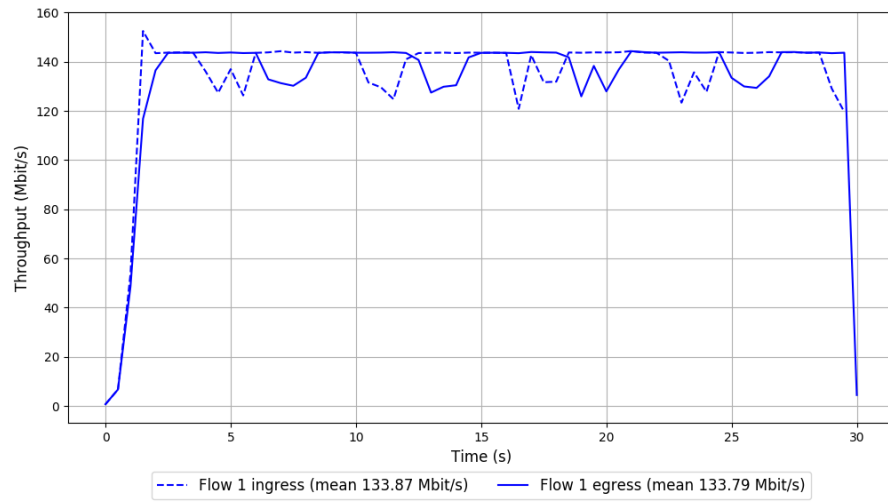


Run 5: Statistics of TCP Cubic

Start at: 2017-09-21 13:42:40
End at: 2017-09-21 13:43:10
Local clock offset: -0.099 ms
Remote clock offset: 11.967 ms

Below is generated by plot.py at 2017-09-21 15:50:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.79 Mbit/s
95th percentile per-packet one-way delay: 109.002 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 133.79 Mbit/s
95th percentile per-packet one-way delay: 109.002 ms
Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link

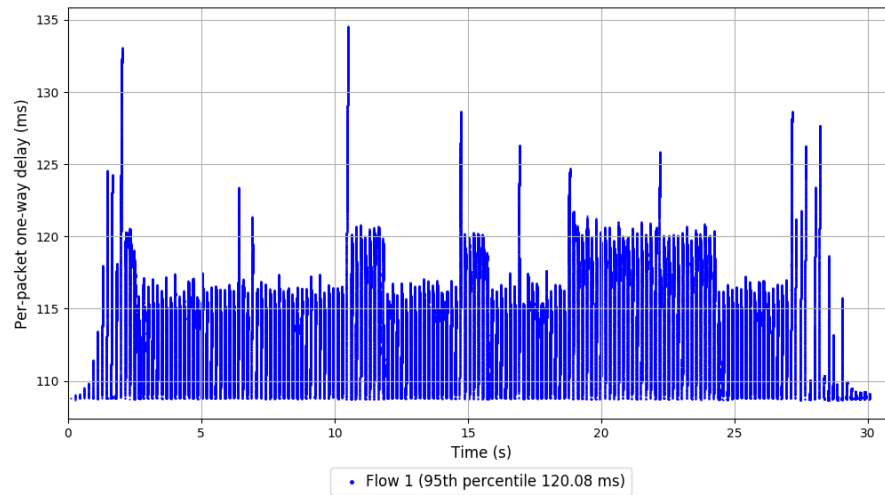
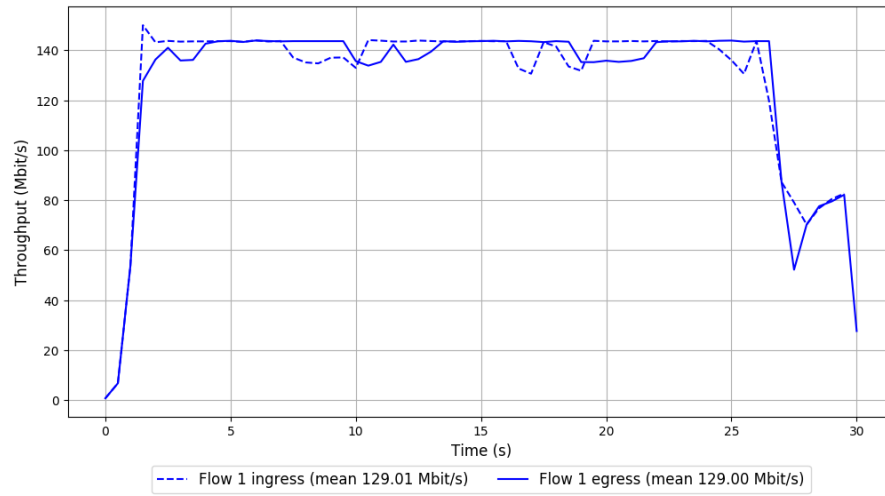


Run 6: Statistics of TCP Cubic

Start at: 2017-09-21 14:00:58
End at: 2017-09-21 14:01:28
Local clock offset: -0.005 ms
Remote clock offset: 19.862 ms

Below is generated by plot.py at 2017-09-21 15:50:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 129.00 Mbit/s
95th percentile per-packet one-way delay: 120.078 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 129.00 Mbit/s
95th percentile per-packet one-way delay: 120.078 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

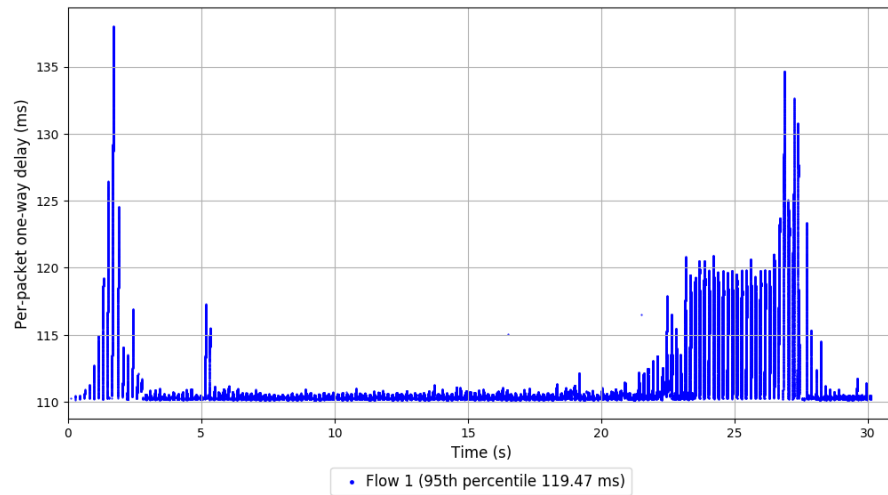
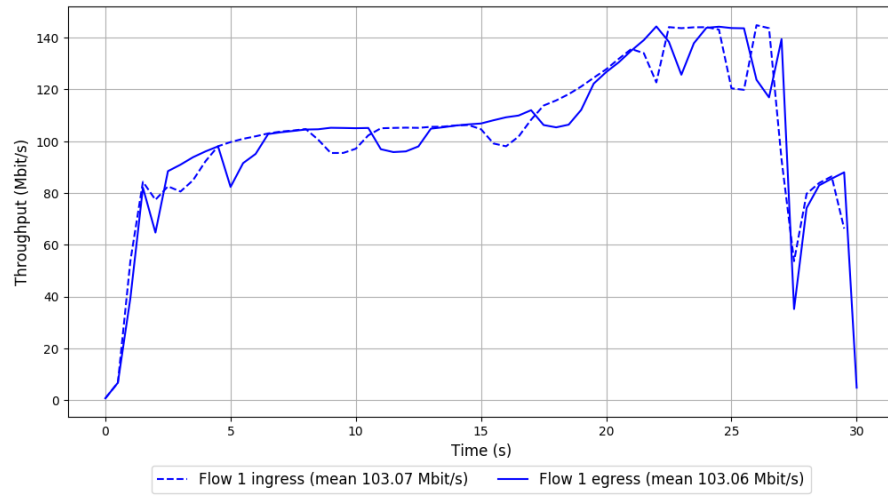


Run 7: Statistics of TCP Cubic

Start at: 2017-09-21 14:19:35
End at: 2017-09-21 14:20:05
Local clock offset: 0.097 ms
Remote clock offset: 20.033 ms

Below is generated by plot.py at 2017-09-21 15:50:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.06 Mbit/s
95th percentile per-packet one-way delay: 119.470 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 103.06 Mbit/s
95th percentile per-packet one-way delay: 119.470 ms
Loss rate: 0.01%

Run 7: Report of TCP Cubic — Data Link

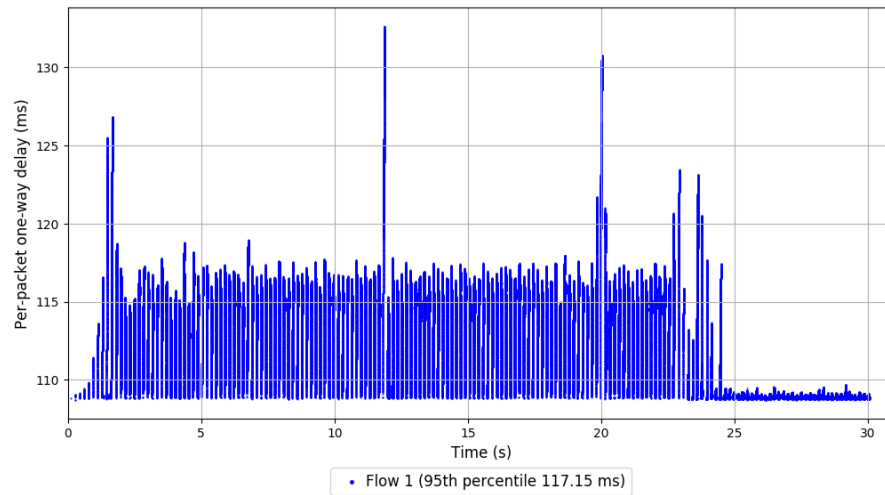
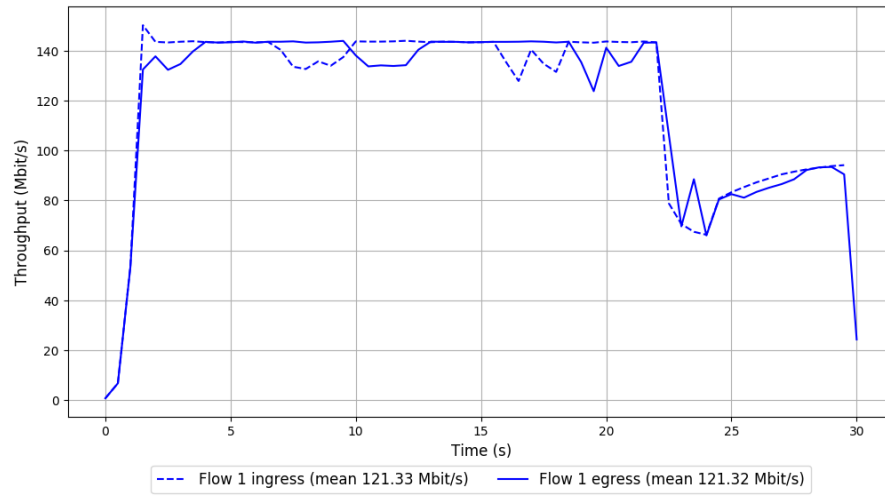


Run 8: Statistics of TCP Cubic

Start at: 2017-09-21 14:37:49
End at: 2017-09-21 14:38:19
Local clock offset: 0.12 ms
Remote clock offset: 20.397 ms

Below is generated by plot.py at 2017-09-21 15:51:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 121.32 Mbit/s
95th percentile per-packet one-way delay: 117.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 121.32 Mbit/s
95th percentile per-packet one-way delay: 117.152 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2017-09-21 14:56:04

End at: 2017-09-21 14:56:34

Local clock offset: 0.125 ms

Remote clock offset: 16.58 ms

Below is generated by plot.py at 2017-09-21 15:51:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.64 Mbit/s

95th percentile per-packet one-way delay: 114.921 ms

Loss rate: 0.00%

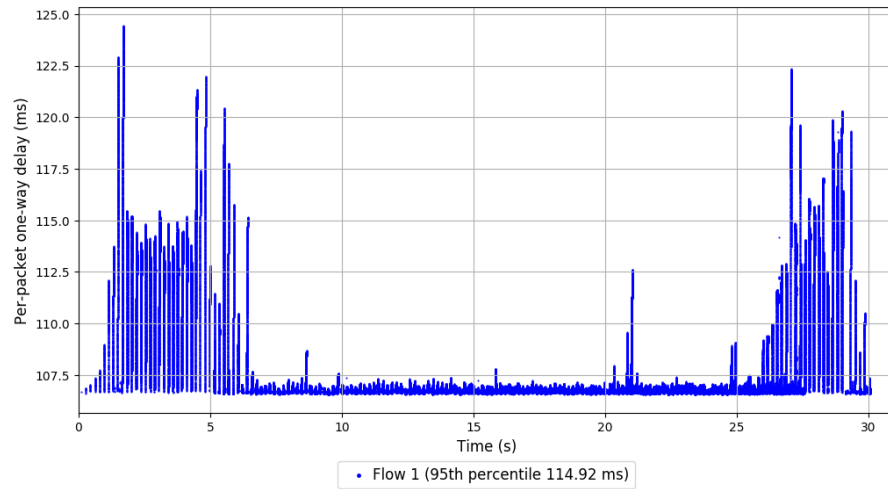
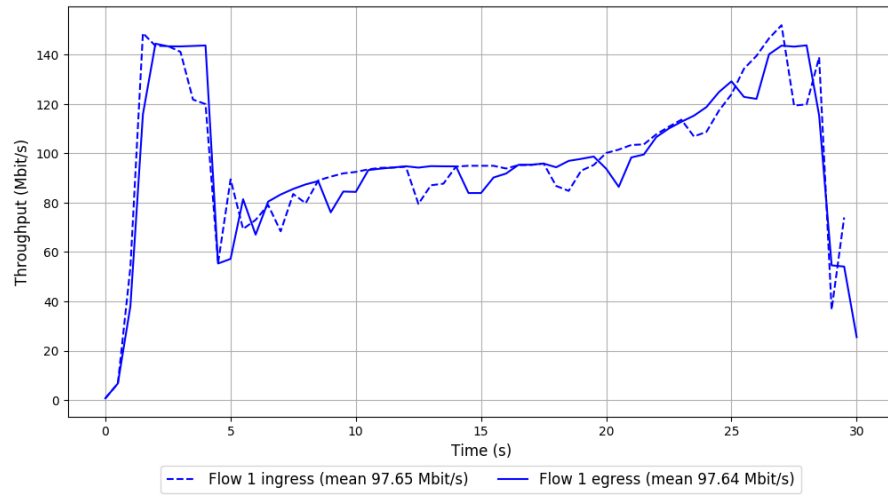
-- Flow 1:

Average throughput: 97.64 Mbit/s

95th percentile per-packet one-way delay: 114.921 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-09-21 15:14:34

End at: 2017-09-21 15:15:04

Local clock offset: 0.103 ms

Remote clock offset: 21.869 ms

Below is generated by plot.py at 2017-09-21 15:51:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.44 Mbit/s

95th percentile per-packet one-way delay: 119.737 ms

Loss rate: 0.01%

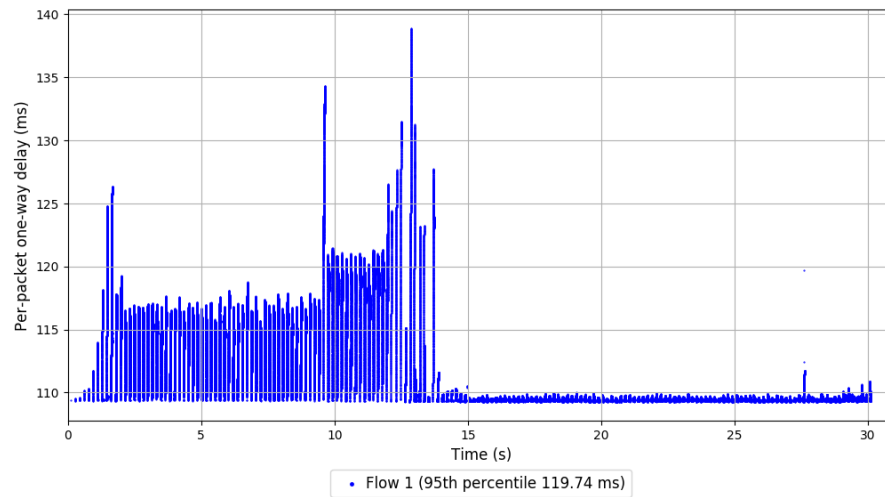
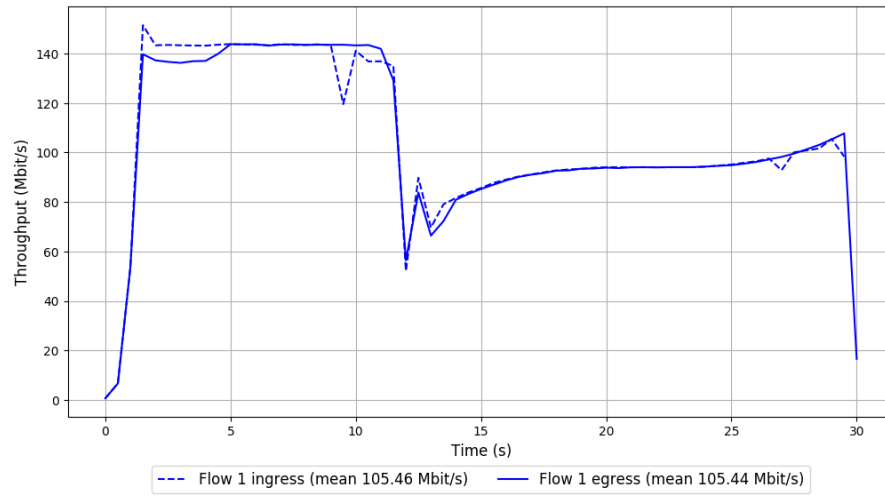
-- Flow 1:

Average throughput: 105.44 Mbit/s

95th percentile per-packet one-way delay: 119.737 ms

Loss rate: 0.01%

Run 10: Report of TCP Cubic — Data Link

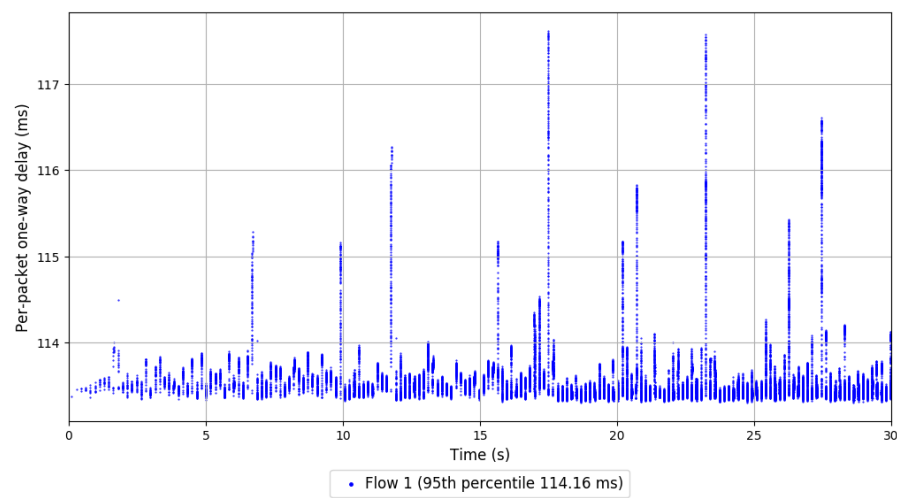
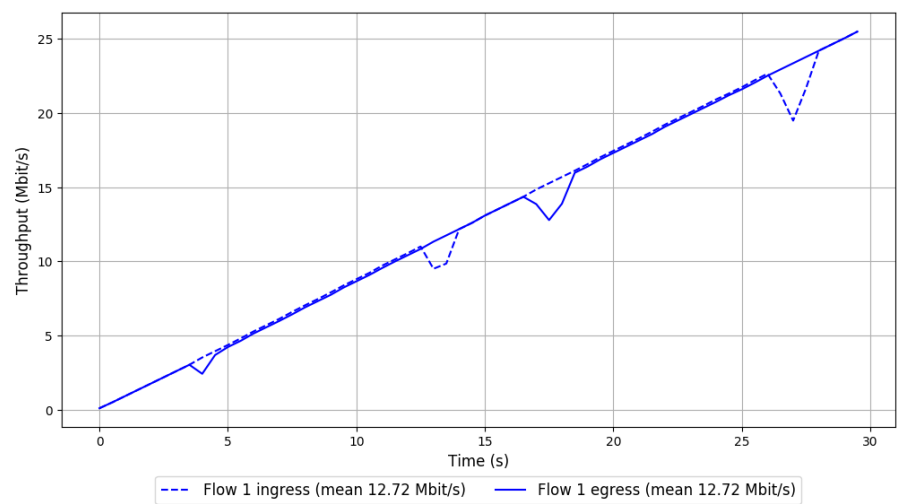


```
Run 1: Statistics of LEDBAT

Start at: 2017-09-21 12:24:51
End at: 2017-09-21 12:25:21
Local clock offset: -0.116 ms
Remote clock offset: 24.552 ms

# Below is generated by plot.py at 2017-09-21 15:51:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 114.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 114.156 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2017-09-21 12:42:55

End at: 2017-09-21 12:43:25

Local clock offset: -0.18 ms

Remote clock offset: 30.84 ms

Below is generated by plot.py at 2017-09-21 15:51:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.39 Mbit/s

95th percentile per-packet one-way delay: 121.483 ms

Loss rate: 0.00%

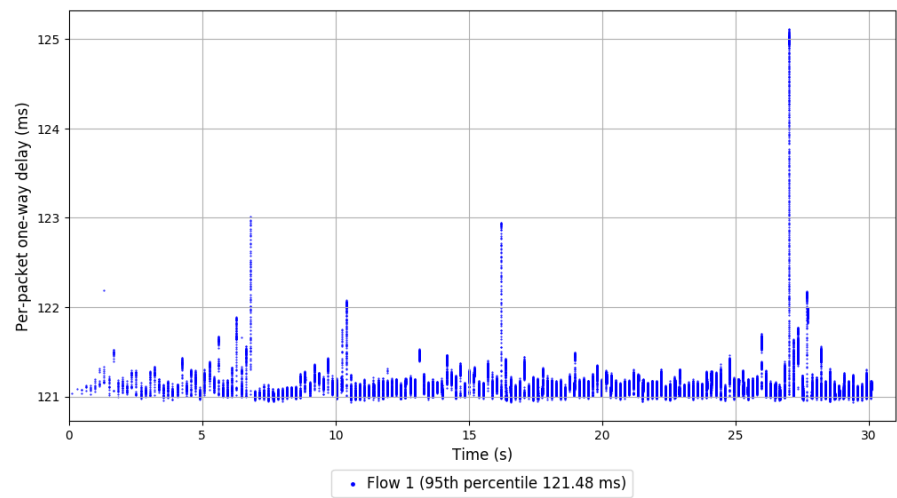
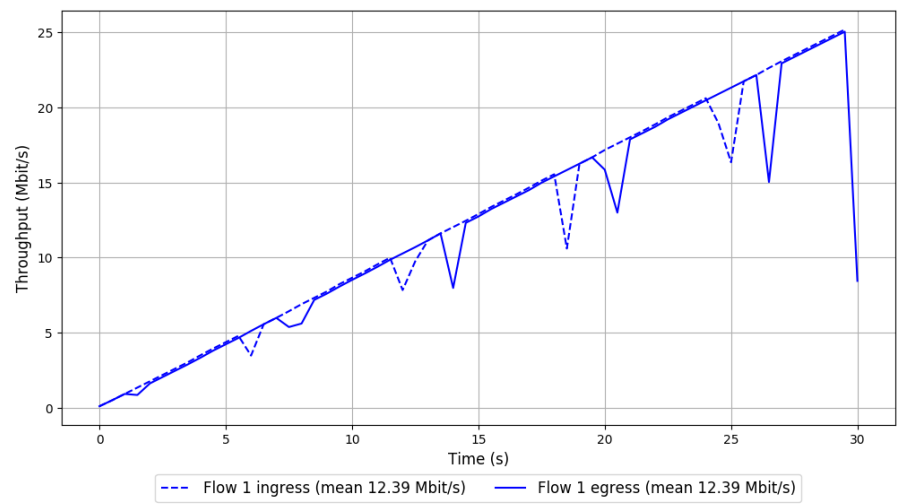
-- Flow 1:

Average throughput: 12.39 Mbit/s

95th percentile per-packet one-way delay: 121.483 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

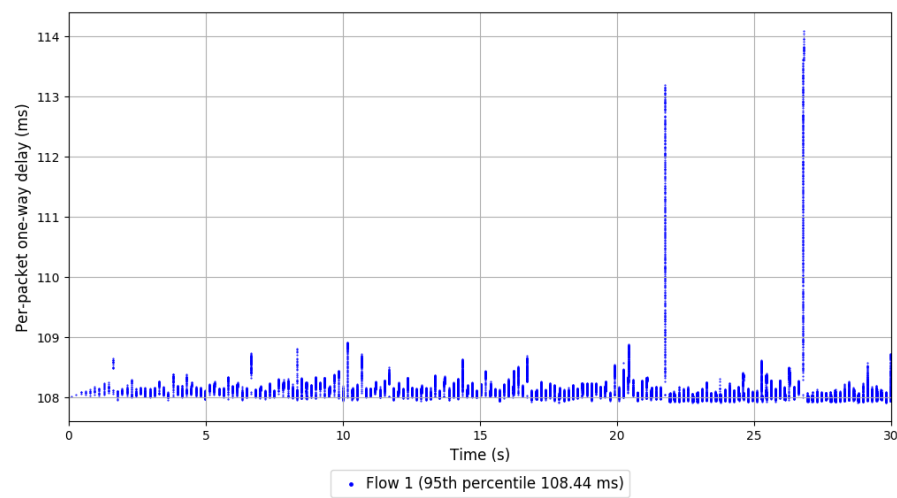
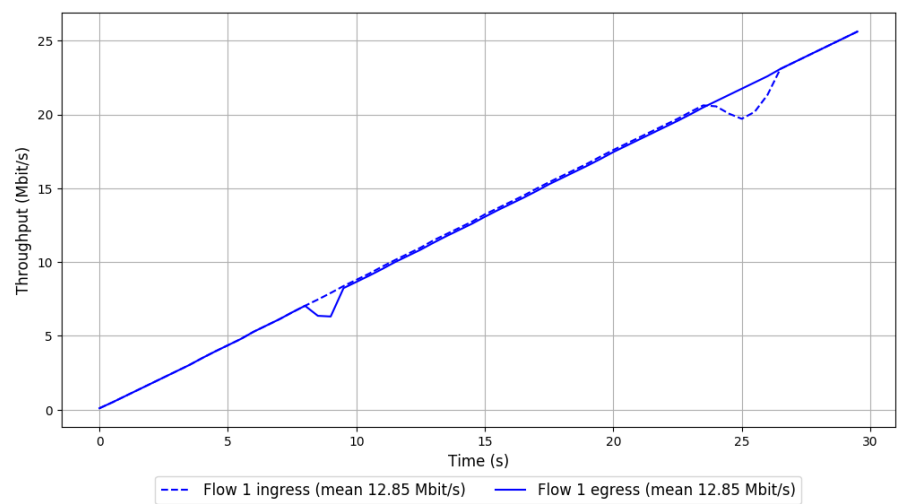


Run 3: Statistics of LEDBAT

Start at: 2017-09-21 13:01:01
End at: 2017-09-21 13:01:31
Local clock offset: -0.129 ms
Remote clock offset: 19.256 ms

Below is generated by plot.py at 2017-09-21 15:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.85 Mbit/s
95th percentile per-packet one-way delay: 108.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.85 Mbit/s
95th percentile per-packet one-way delay: 108.435 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

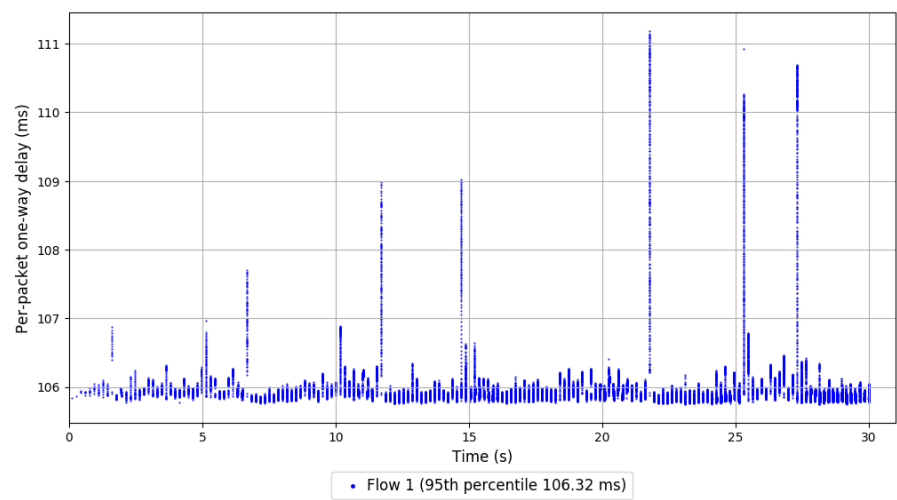
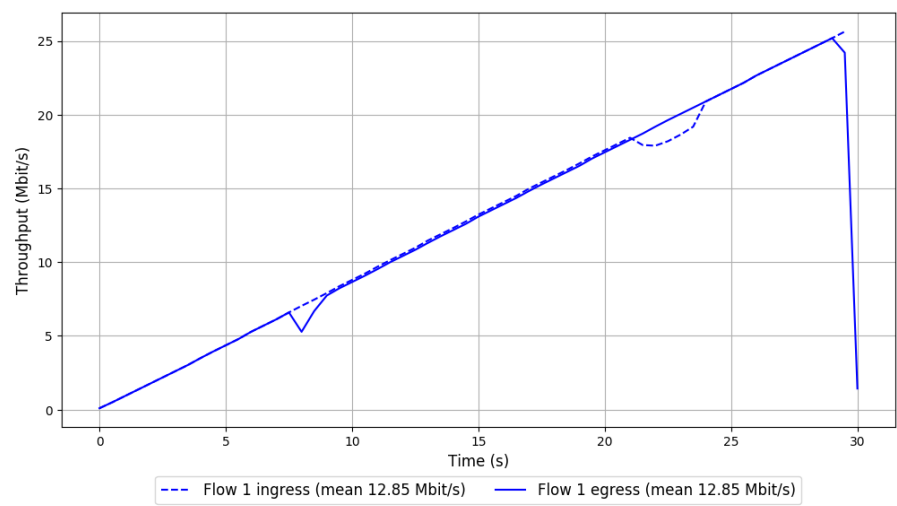


Run 4: Statistics of LEDBAT

Start at: 2017-09-21 13:19:23
End at: 2017-09-21 13:19:53
Local clock offset: -0.027 ms
Remote clock offset: 16.613 ms

Below is generated by plot.py at 2017-09-21 15:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.85 Mbit/s
95th percentile per-packet one-way delay: 106.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.85 Mbit/s
95th percentile per-packet one-way delay: 106.318 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

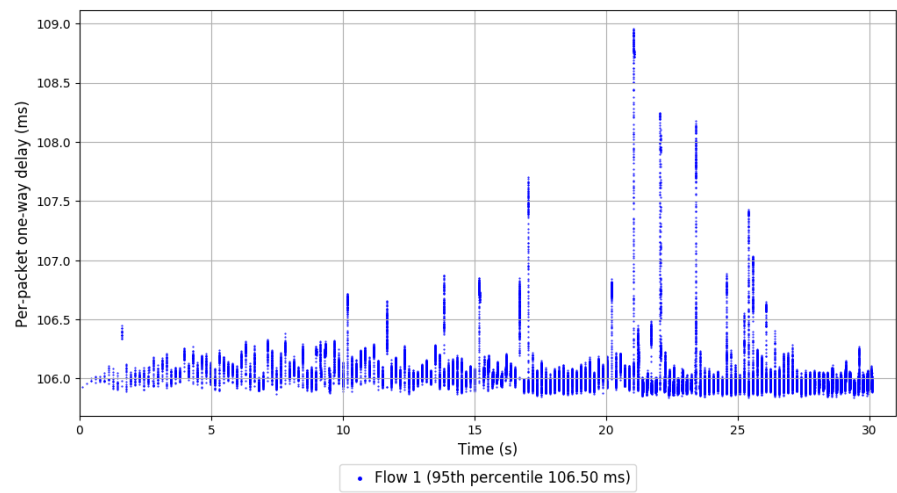
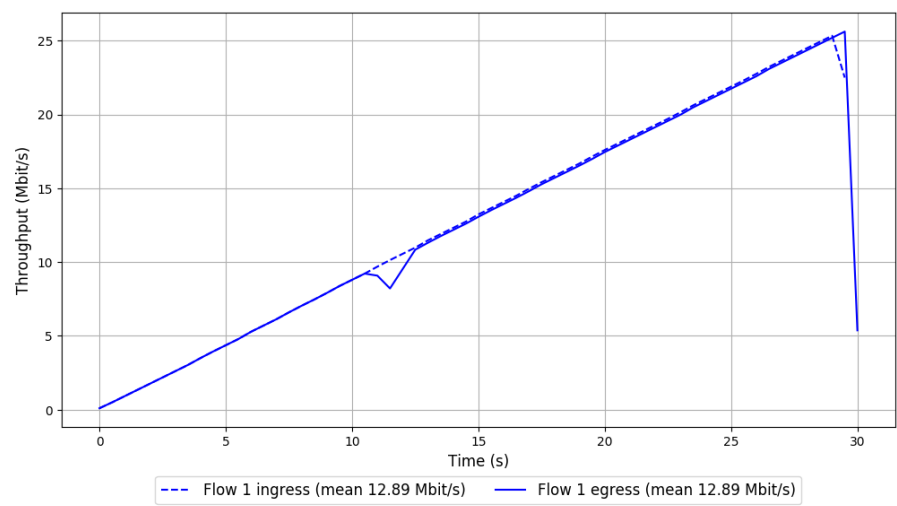


Run 5: Statistics of LEDBAT

Start at: 2017-09-21 13:37:37
End at: 2017-09-21 13:38:07
Local clock offset: -0.06 ms
Remote clock offset: 16.991 ms

Below is generated by plot.py at 2017-09-21 15:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.89 Mbit/s
95th percentile per-packet one-way delay: 106.499 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.89 Mbit/s
95th percentile per-packet one-way delay: 106.499 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

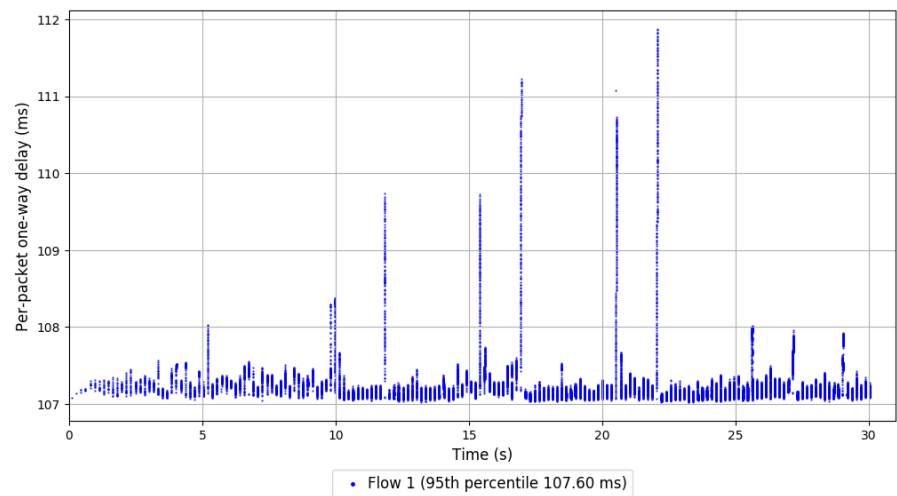
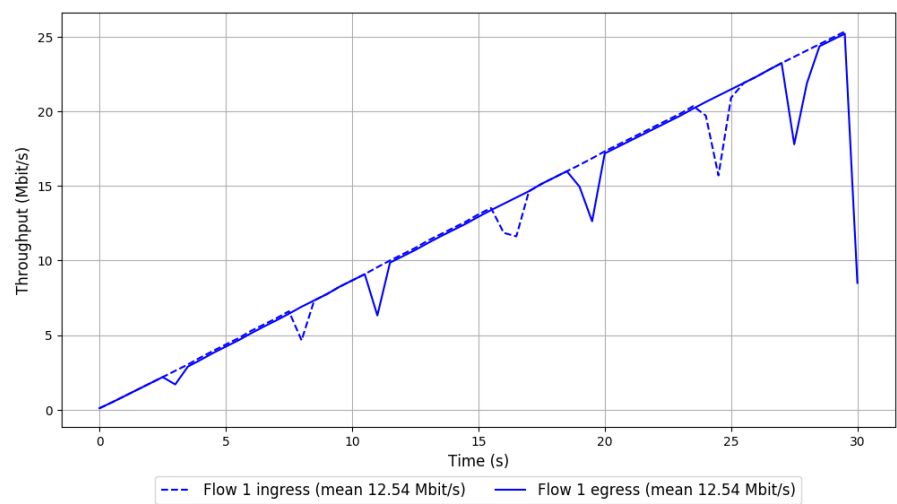


Run 6: Statistics of LEDBAT

Start at: 2017-09-21 13:55:57
End at: 2017-09-21 13:56:27
Local clock offset: -0.014 ms
Remote clock offset: 17.907 ms

Below is generated by plot.py at 2017-09-21 15:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 107.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 107.600 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

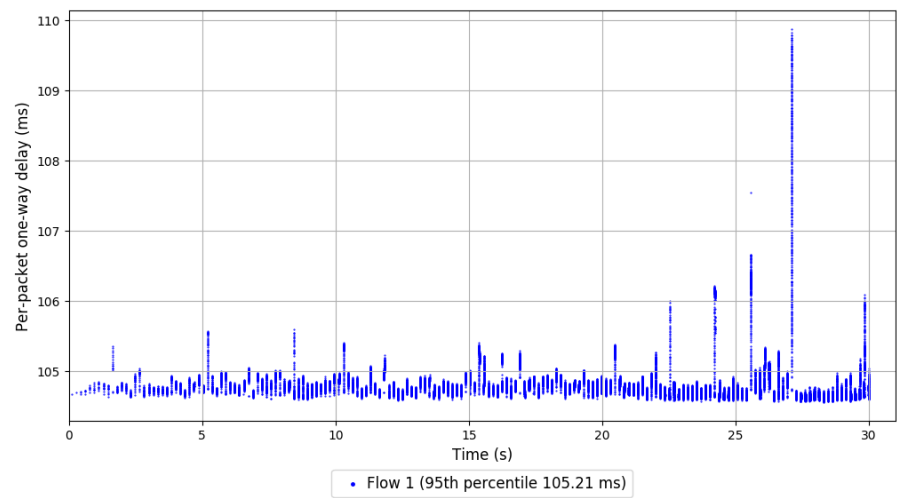
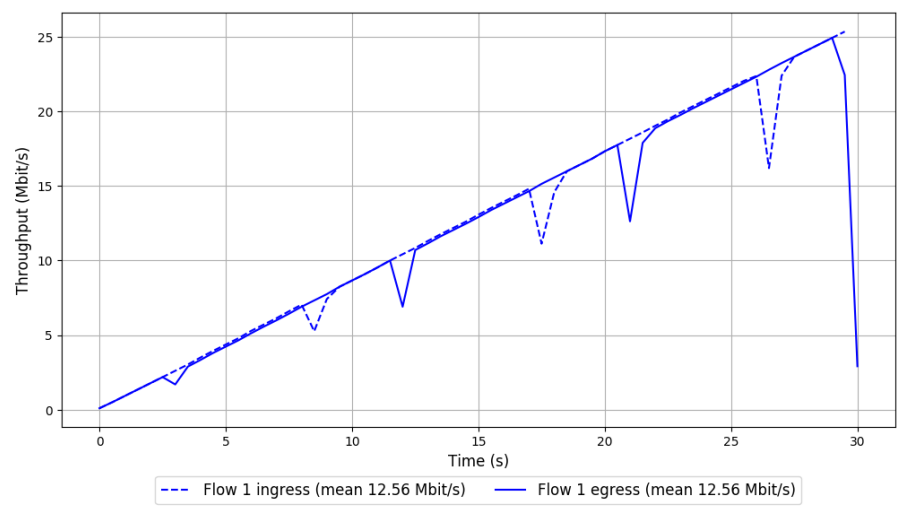


Run 7: Statistics of LEDBAT

Start at: 2017-09-21 14:14:25
End at: 2017-09-21 14:14:55
Local clock offset: 0.148 ms
Remote clock offset: 15.856 ms

Below is generated by plot.py at 2017-09-21 15:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.56 Mbit/s
95th percentile per-packet one-way delay: 105.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.56 Mbit/s
95th percentile per-packet one-way delay: 105.213 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

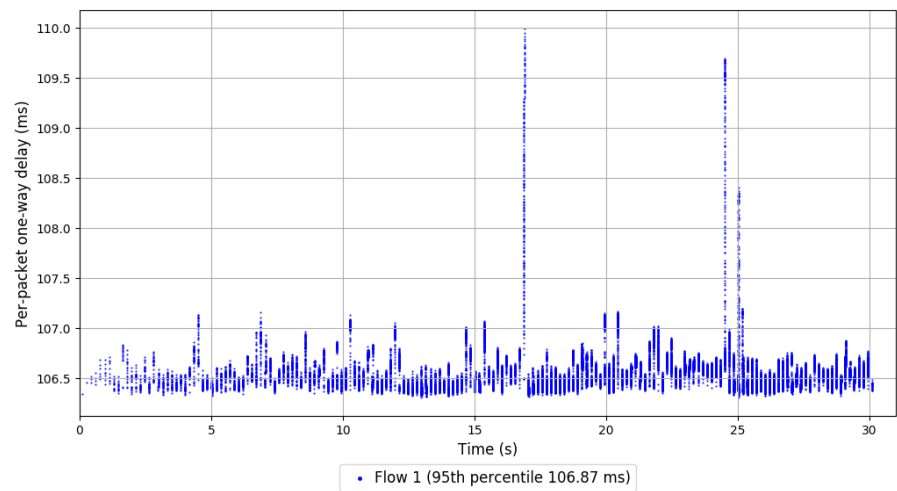
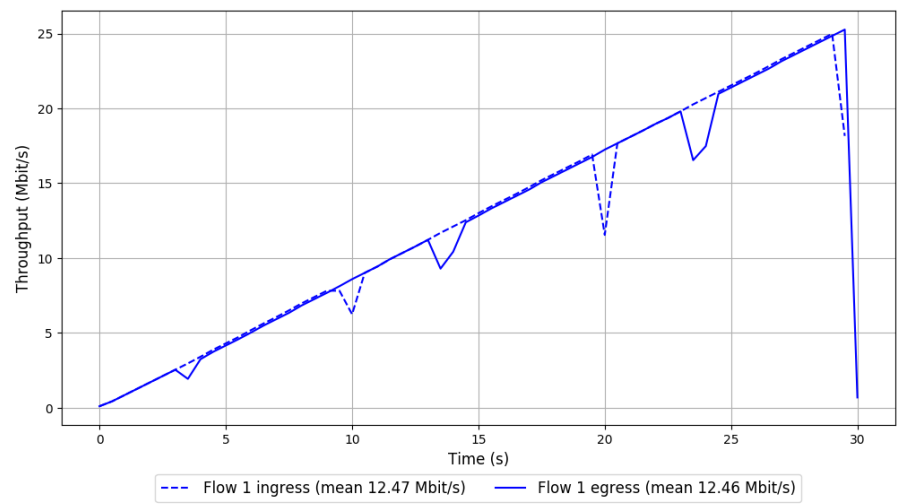


Run 8: Statistics of LEDBAT

Start at: 2017-09-21 14:32:49
End at: 2017-09-21 14:33:19
Local clock offset: 0.101 ms
Remote clock offset: 16.197 ms

Below is generated by plot.py at 2017-09-21 15:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.46 Mbit/s
95th percentile per-packet one-way delay: 106.872 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 12.46 Mbit/s
95th percentile per-packet one-way delay: 106.872 ms
Loss rate: 0.08%

Run 8: Report of LEDBAT — Data Link

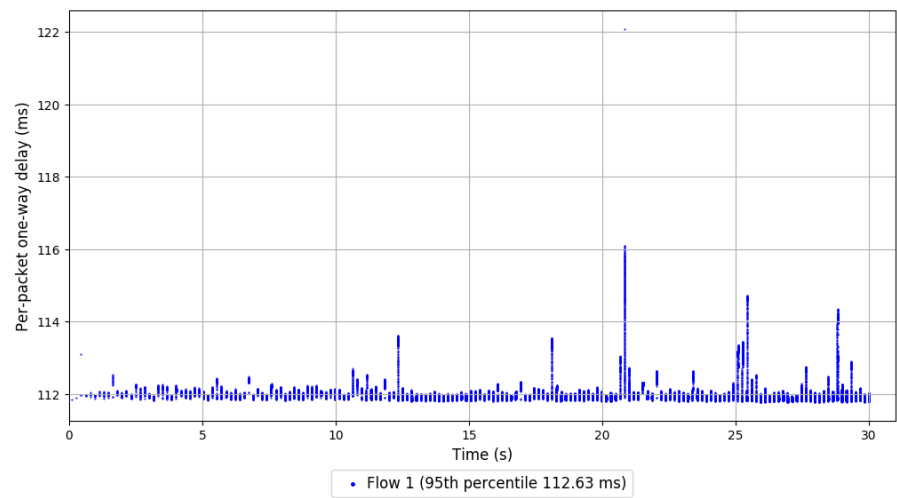
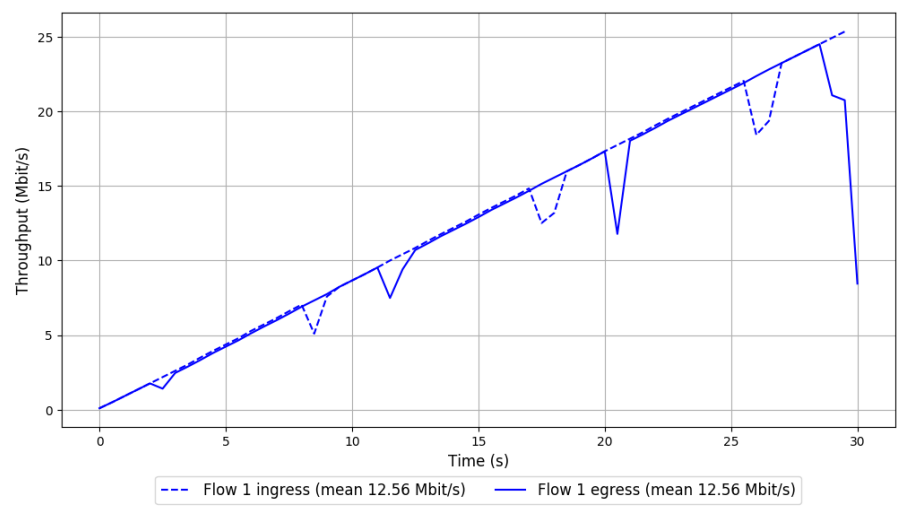


Run 9: Statistics of LEDBAT

Start at: 2017-09-21 14:50:59
End at: 2017-09-21 14:51:29
Local clock offset: 0.075 ms
Remote clock offset: 21.556 ms

Below is generated by plot.py at 2017-09-21 15:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.56 Mbit/s
95th percentile per-packet one-way delay: 112.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.56 Mbit/s
95th percentile per-packet one-way delay: 112.634 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

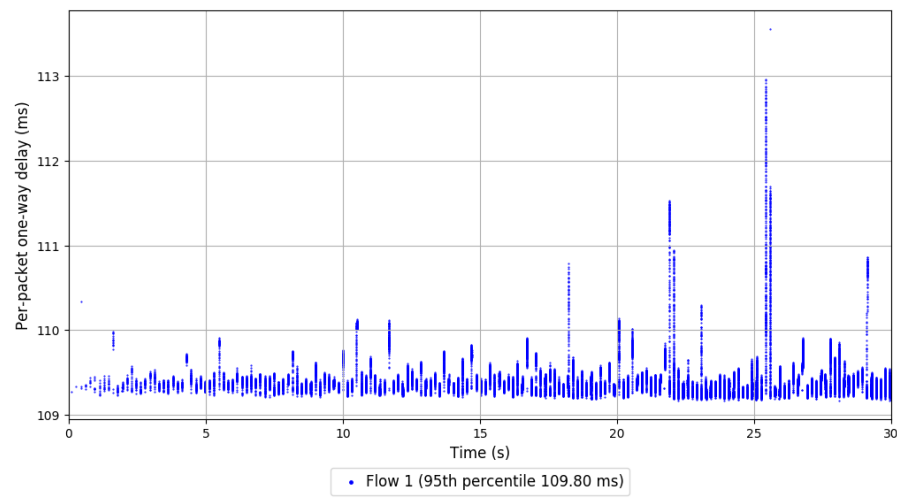
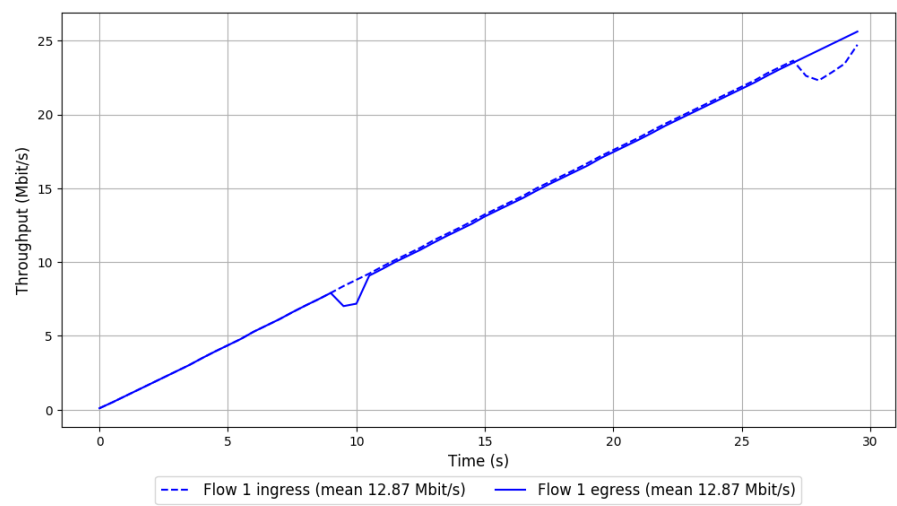


Run 10: Statistics of LEDBAT

Start at: 2017-09-21 15:09:33
End at: 2017-09-21 15:10:03
Local clock offset: 0.111 ms
Remote clock offset: 21.519 ms

Below is generated by plot.py at 2017-09-21 15:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.87 Mbit/s
95th percentile per-packet one-way delay: 109.803 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.87 Mbit/s
95th percentile per-packet one-way delay: 109.803 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

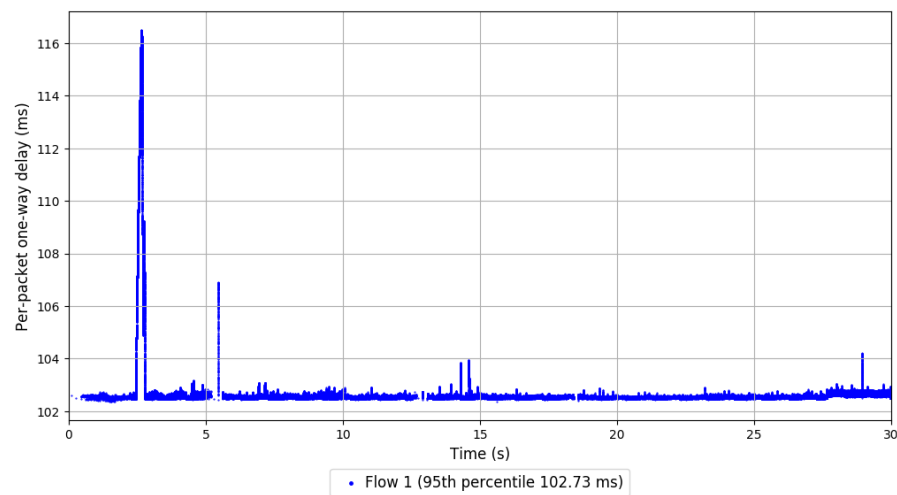
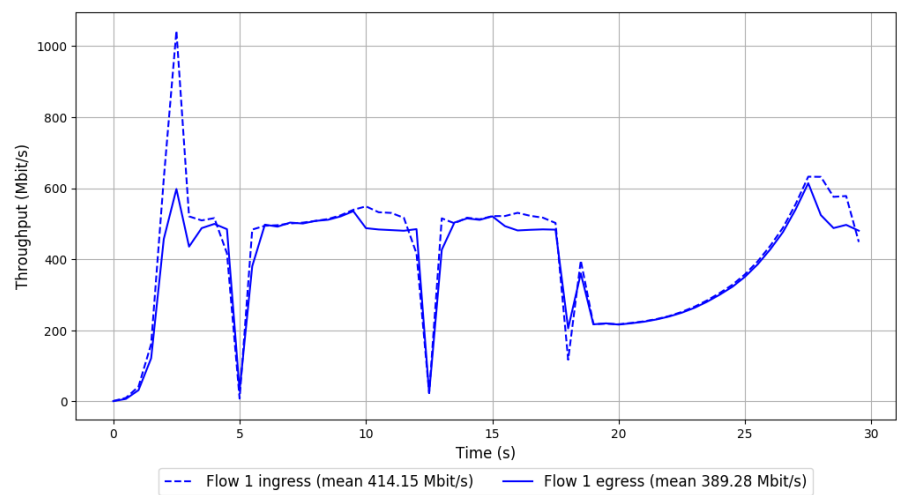


Run 1: Statistics of PCC

Start at: 2017-09-21 12:18:03
End at: 2017-09-21 12:18:33
Local clock offset: -0.093 ms
Remote clock offset: 13.076 ms

Below is generated by plot.py at 2017-09-21 15:56:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.28 Mbit/s
95th percentile per-packet one-way delay: 102.731 ms
Loss rate: 6.01%
-- Flow 1:
Average throughput: 389.28 Mbit/s
95th percentile per-packet one-way delay: 102.731 ms
Loss rate: 6.01%

Run 1: Report of PCC — Data Link

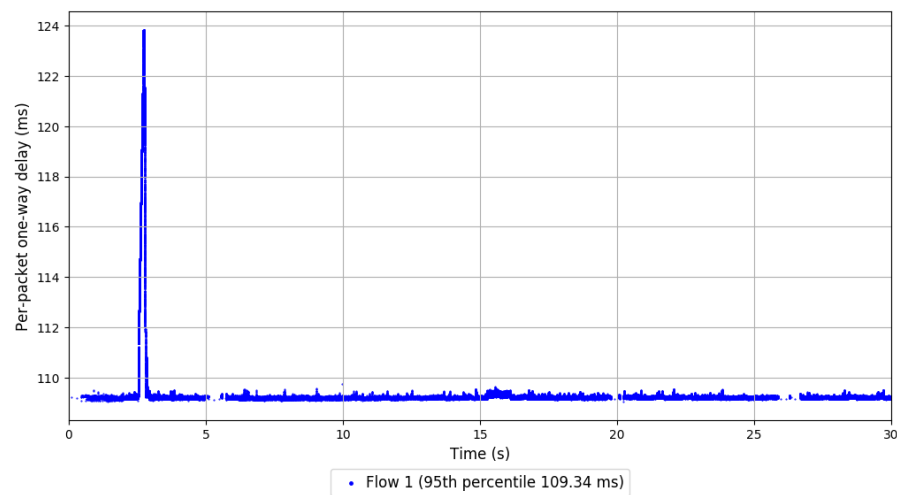
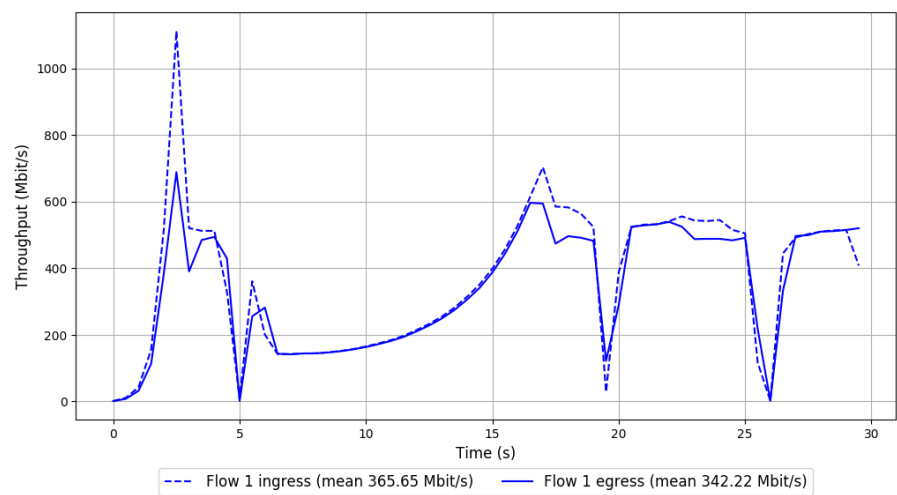


Run 2: Statistics of PCC

Start at: 2017-09-21 12:36:15
End at: 2017-09-21 12:36:45
Local clock offset: -0.111 ms
Remote clock offset: 20.853 ms

Below is generated by plot.py at 2017-09-21 15:56:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 342.22 Mbit/s
95th percentile per-packet one-way delay: 109.344 ms
Loss rate: 6.41%
-- Flow 1:
Average throughput: 342.22 Mbit/s
95th percentile per-packet one-way delay: 109.344 ms
Loss rate: 6.41%

Run 2: Report of PCC — Data Link

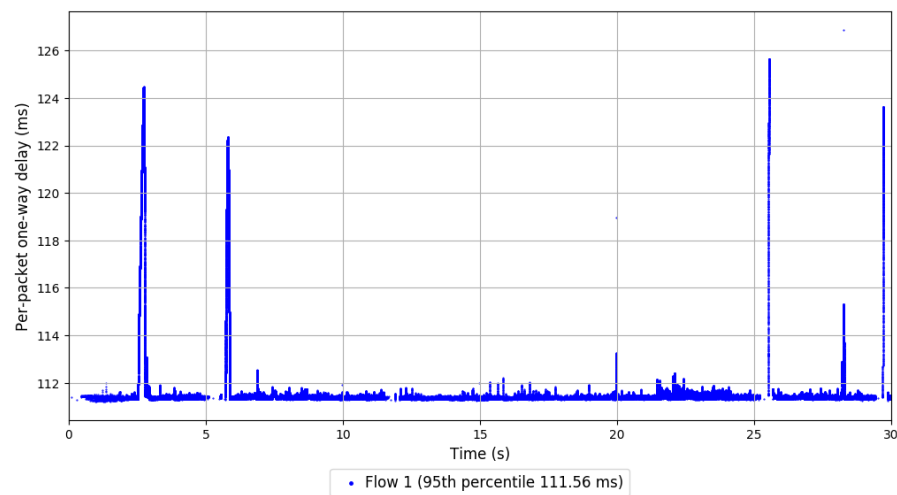
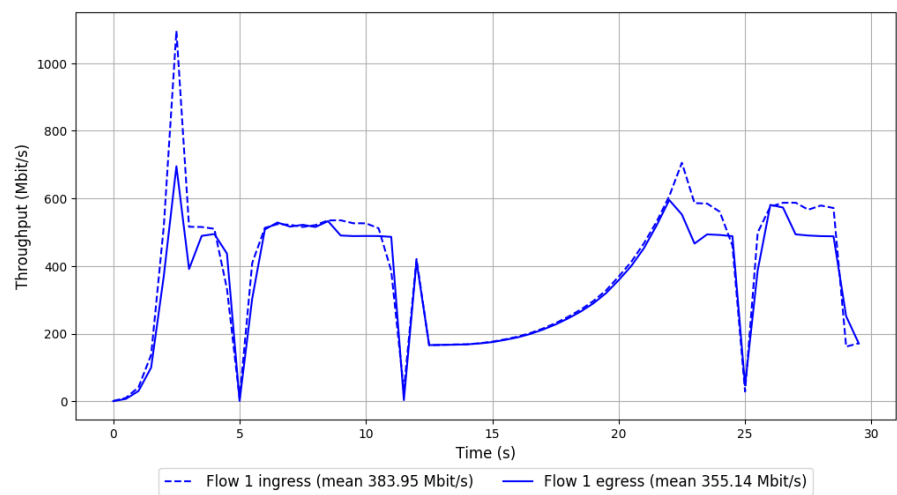


Run 3: Statistics of PCC

Start at: 2017-09-21 12:54:16
End at: 2017-09-21 12:54:46
Local clock offset: -0.147 ms
Remote clock offset: 21.283 ms

Below is generated by plot.py at 2017-09-21 15:56:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 355.14 Mbit/s
95th percentile per-packet one-way delay: 111.557 ms
Loss rate: 7.51%
-- Flow 1:
Average throughput: 355.14 Mbit/s
95th percentile per-packet one-way delay: 111.557 ms
Loss rate: 7.51%

Run 3: Report of PCC — Data Link

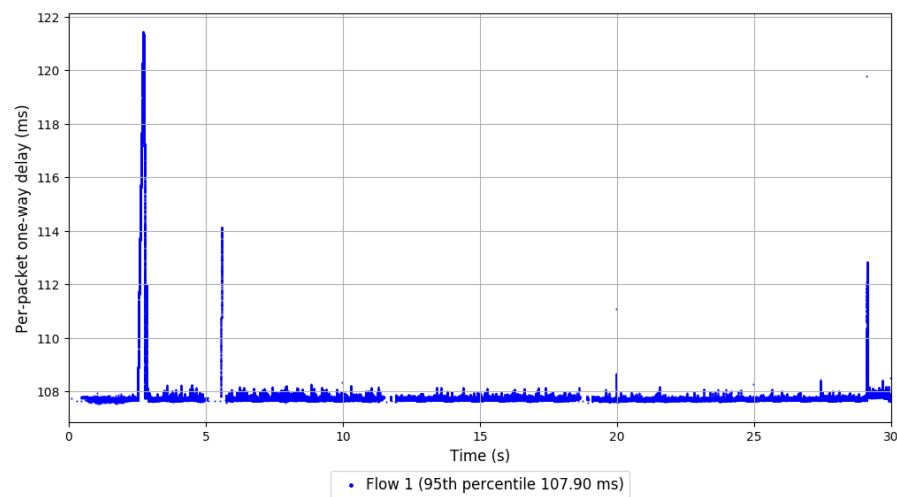
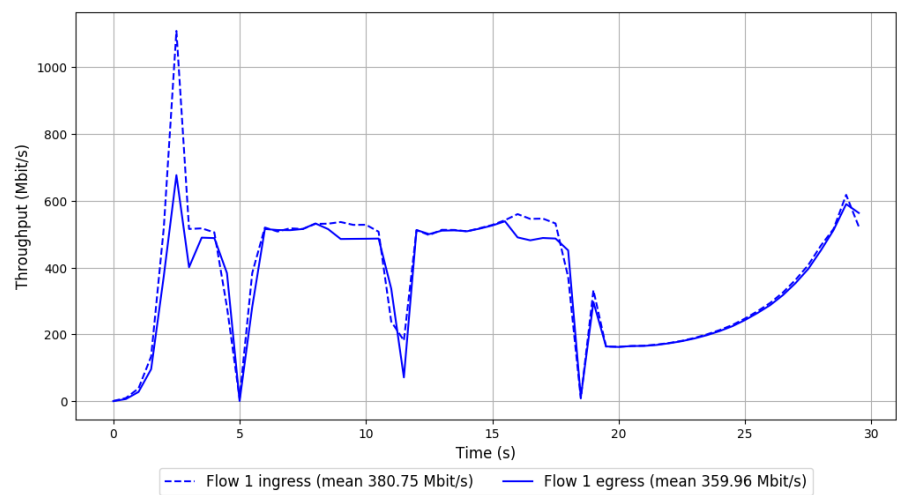


Run 4: Statistics of PCC

Start at: 2017-09-21 13:12:39
End at: 2017-09-21 13:13:09
Local clock offset: -0.168 ms
Remote clock offset: 16.767 ms

Below is generated by plot.py at 2017-09-21 15:56:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 359.96 Mbit/s
95th percentile per-packet one-way delay: 107.902 ms
Loss rate: 5.46%
-- Flow 1:
Average throughput: 359.96 Mbit/s
95th percentile per-packet one-way delay: 107.902 ms
Loss rate: 5.46%

Run 4: Report of PCC — Data Link

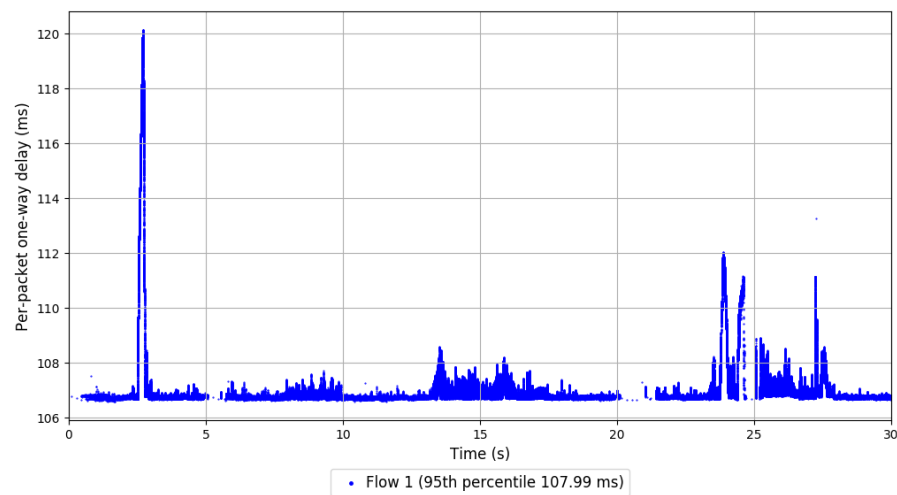
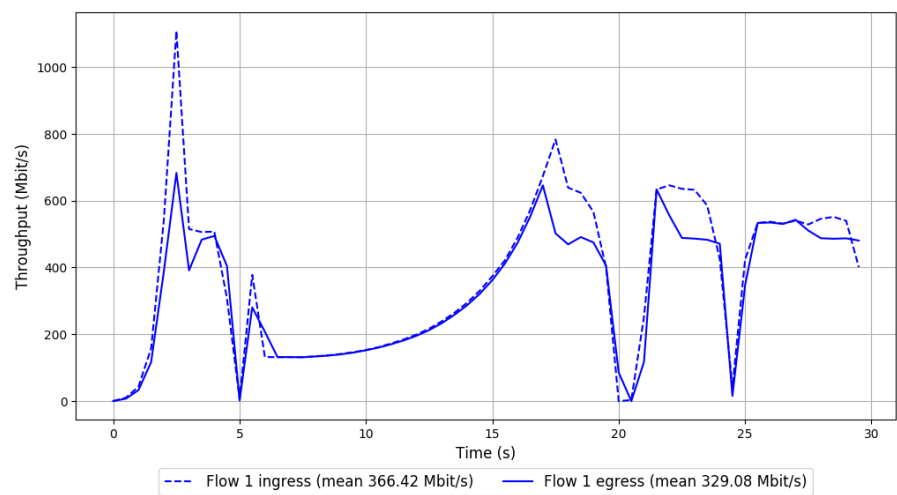


Run 5: Statistics of PCC

Start at: 2017-09-21 13:30:43
End at: 2017-09-21 13:31:13
Local clock offset: -0.034 ms
Remote clock offset: 15.781 ms

Below is generated by plot.py at 2017-09-21 15:56:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.08 Mbit/s
95th percentile per-packet one-way delay: 107.986 ms
Loss rate: 10.19%
-- Flow 1:
Average throughput: 329.08 Mbit/s
95th percentile per-packet one-way delay: 107.986 ms
Loss rate: 10.19%

Run 5: Report of PCC — Data Link

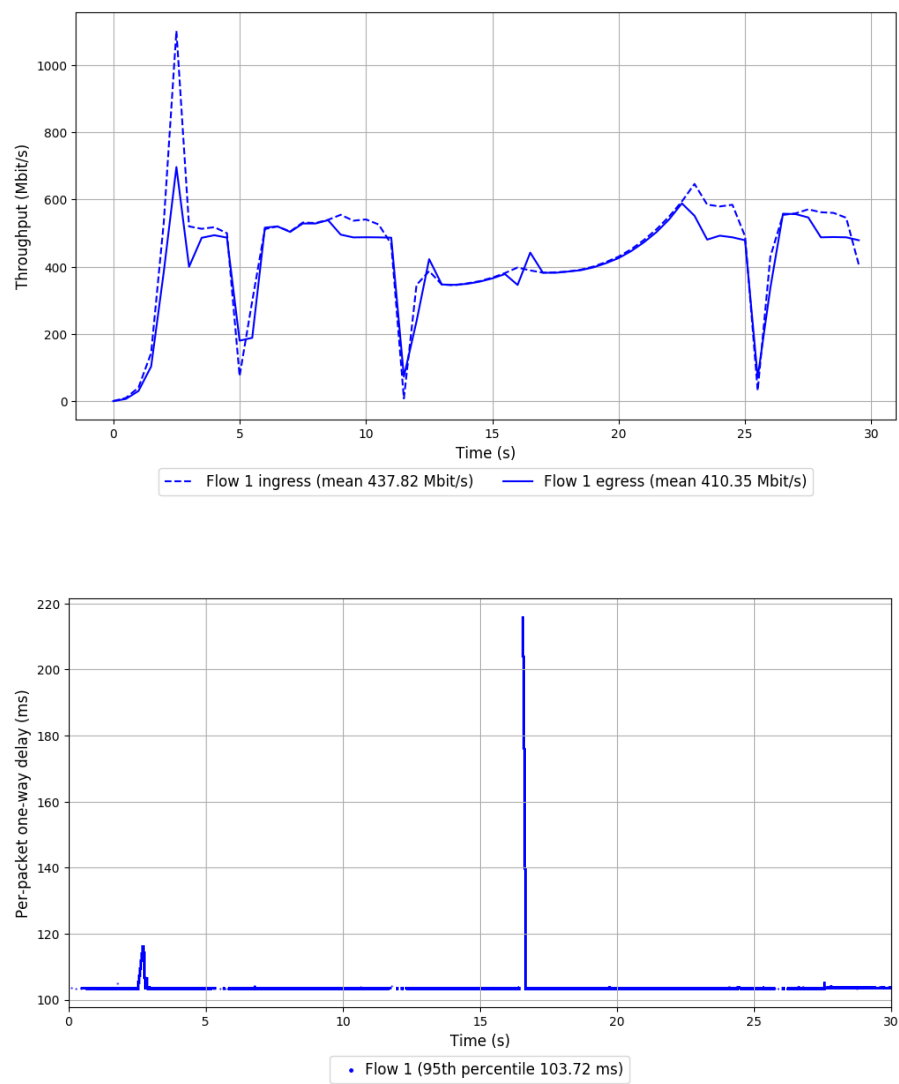


Run 6: Statistics of PCC

Start at: 2017-09-21 13:49:09
End at: 2017-09-21 13:49:39
Local clock offset: -0.052 ms
Remote clock offset: 14.611 ms

Below is generated by plot.py at 2017-09-21 15:57:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 410.35 Mbit/s
95th percentile per-packet one-way delay: 103.715 ms
Loss rate: 6.27%
-- Flow 1:
Average throughput: 410.35 Mbit/s
95th percentile per-packet one-way delay: 103.715 ms
Loss rate: 6.27%

Run 6: Report of PCC — Data Link

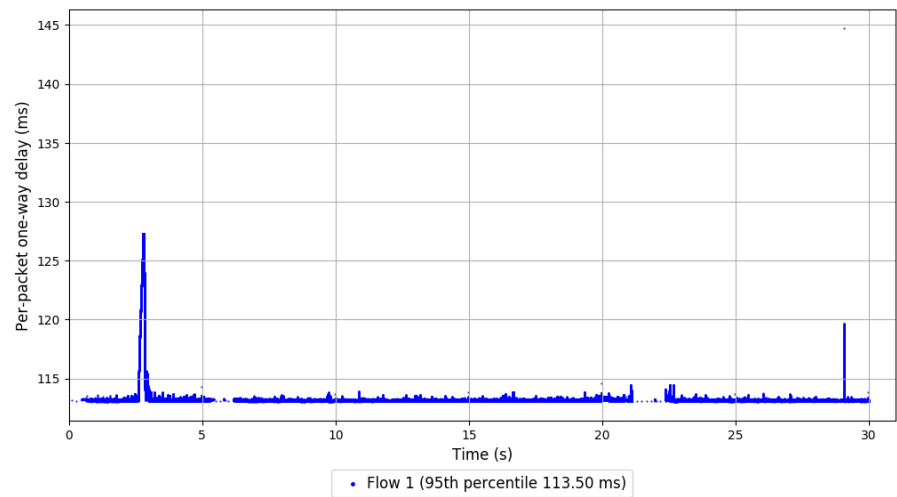
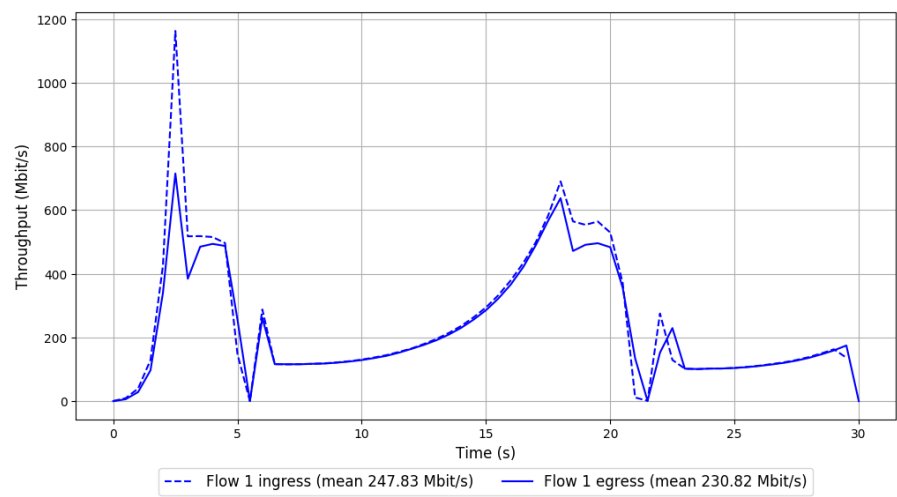


Run 7: Statistics of PCC

Start at: 2017-09-21 14:07:25
End at: 2017-09-21 14:07:55
Local clock offset: 0.024 ms
Remote clock offset: 21.747 ms

Below is generated by plot.py at 2017-09-21 15:57:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.82 Mbit/s
95th percentile per-packet one-way delay: 113.495 ms
Loss rate: 6.87%
-- Flow 1:
Average throughput: 230.82 Mbit/s
95th percentile per-packet one-way delay: 113.495 ms
Loss rate: 6.87%

Run 7: Report of PCC — Data Link

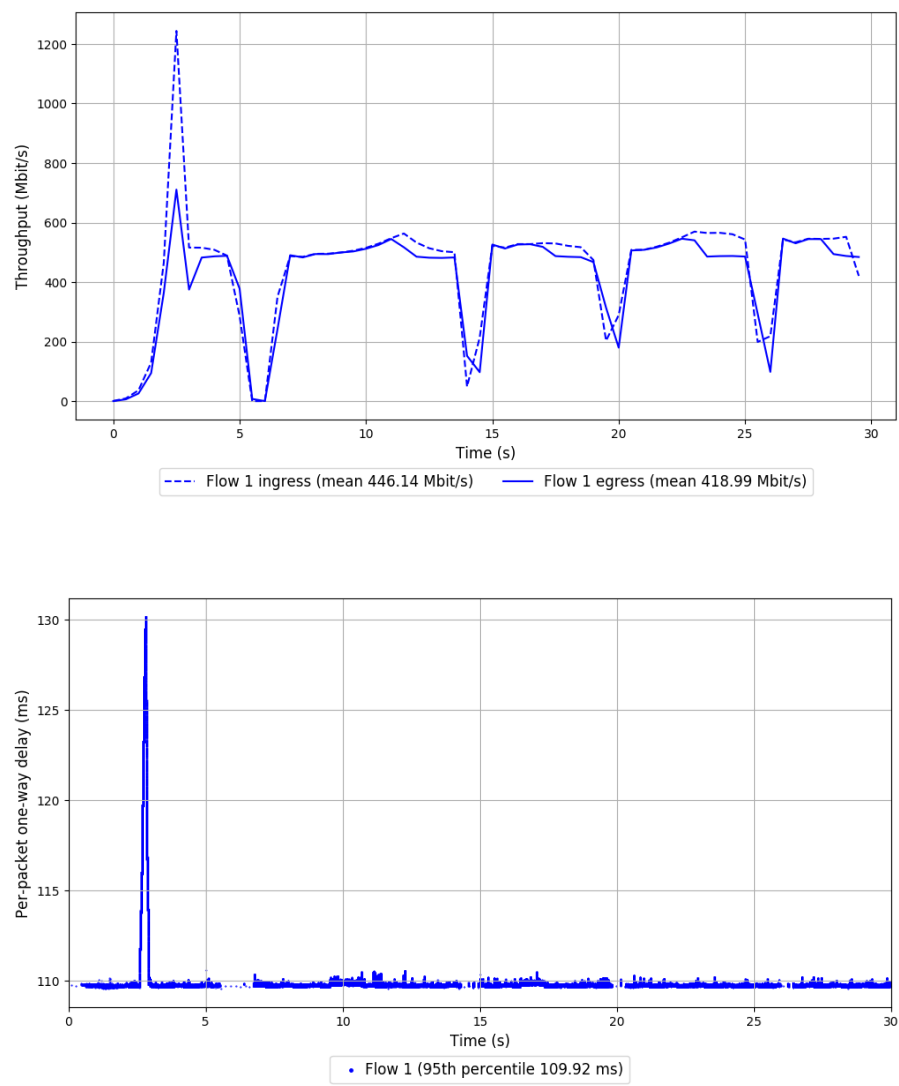


Run 8: Statistics of PCC

Start at: 2017-09-21 14:26:01
End at: 2017-09-21 14:26:31
Local clock offset: 0.104 ms
Remote clock offset: 21.166 ms

Below is generated by plot.py at 2017-09-21 15:57:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 418.99 Mbit/s
95th percentile per-packet one-way delay: 109.924 ms
Loss rate: 6.08%
-- Flow 1:
Average throughput: 418.99 Mbit/s
95th percentile per-packet one-way delay: 109.924 ms
Loss rate: 6.08%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-09-21 14:44:07

End at: 2017-09-21 14:44:37

Local clock offset: 0.02 ms

Remote clock offset: 17.42 ms

Below is generated by plot.py at 2017-09-21 16:00:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 400.74 Mbit/s

95th percentile per-packet one-way delay: 107.598 ms

Loss rate: 8.30%

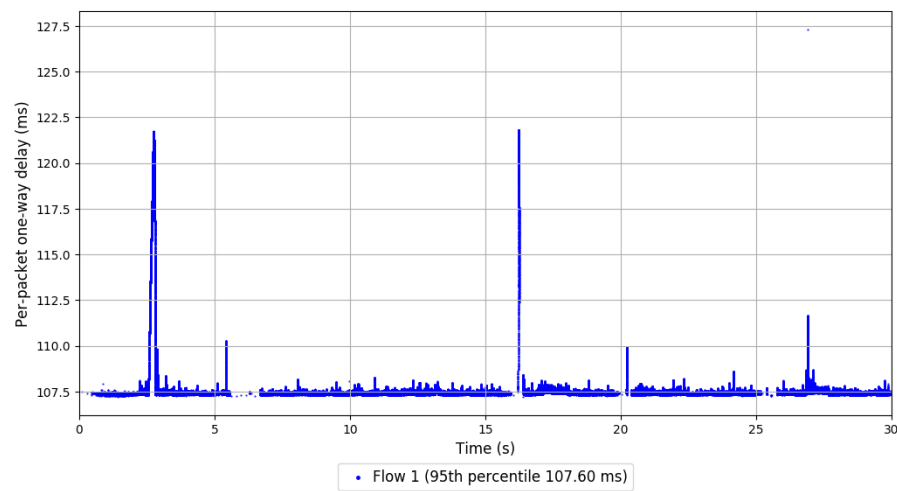
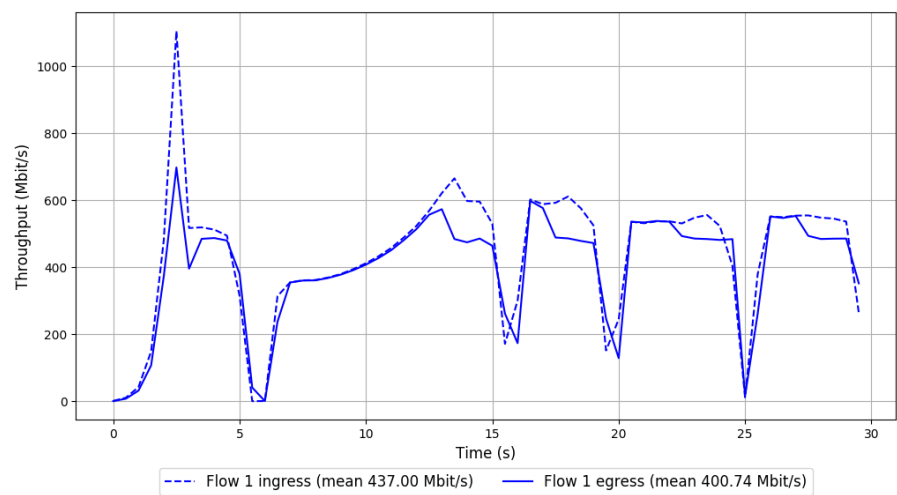
-- Flow 1:

Average throughput: 400.74 Mbit/s

95th percentile per-packet one-way delay: 107.598 ms

Loss rate: 8.30%

Run 9: Report of PCC — Data Link

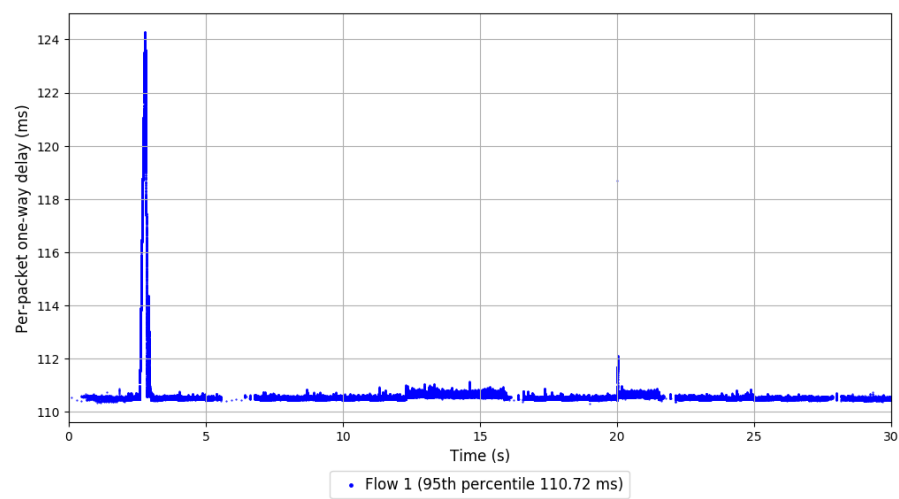
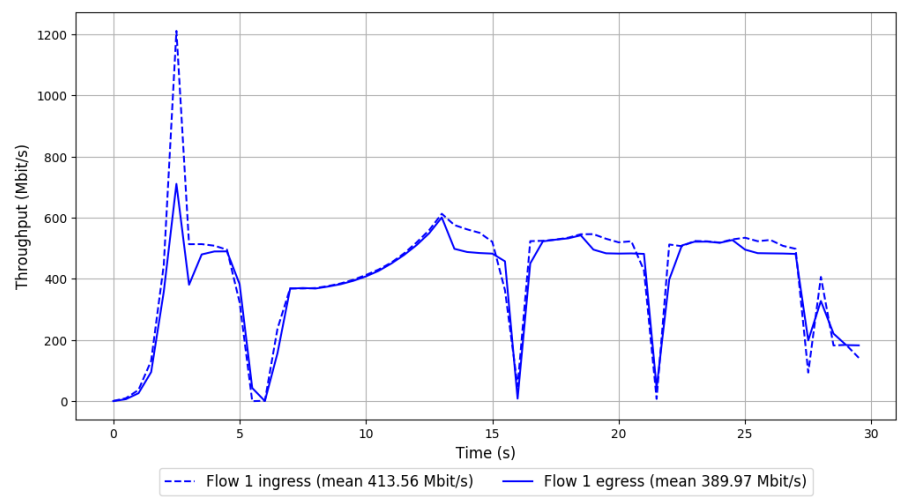


Run 10: Statistics of PCC

Start at: 2017-09-21 15:02:32
End at: 2017-09-21 15:03:03
Local clock offset: 0.126 ms
Remote clock offset: 22.623 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.97 Mbit/s
95th percentile per-packet one-way delay: 110.722 ms
Loss rate: 5.70%
-- Flow 1:
Average throughput: 389.97 Mbit/s
95th percentile per-packet one-way delay: 110.722 ms
Loss rate: 5.70%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

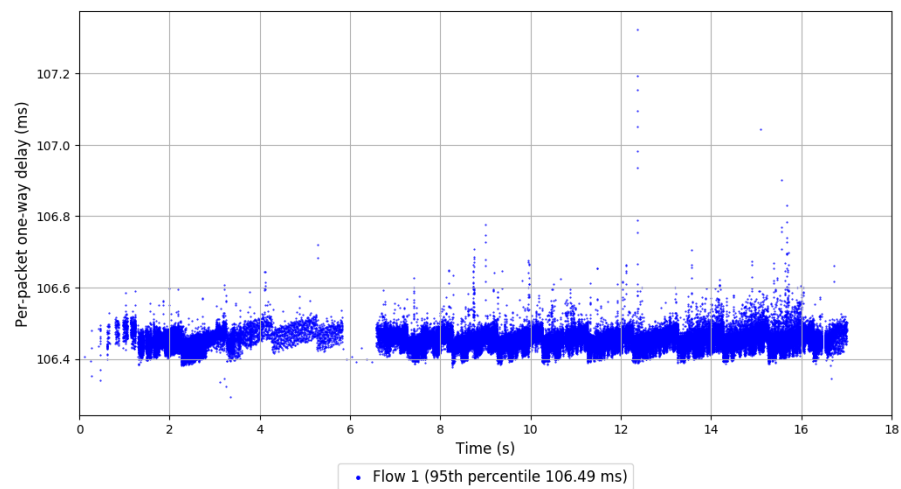
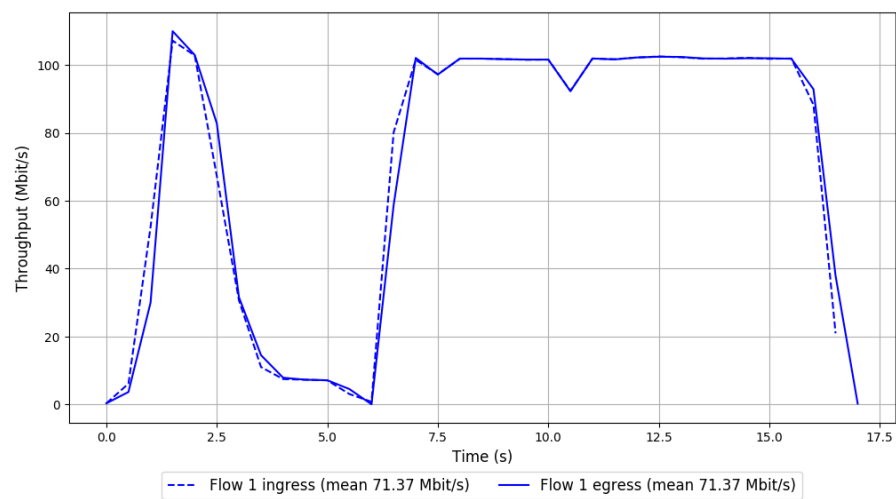
Start at: 2017-09-21 12:20:40

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

Local clock offset: -0.111 ms

Remote clock offset: 17.755 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

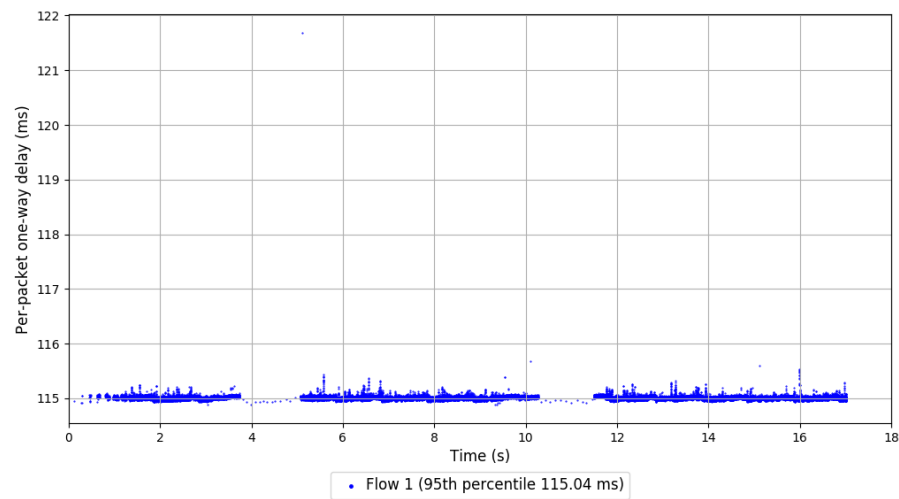
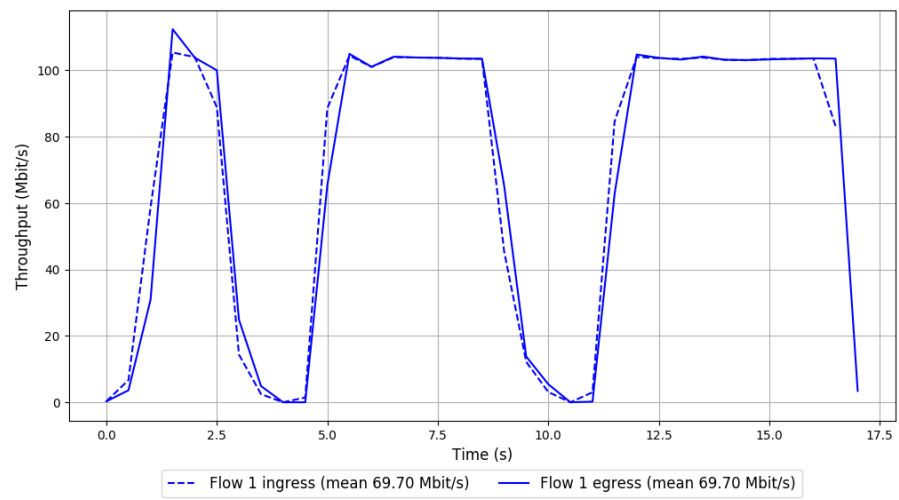
Start at: 2017-09-21 12:38:48

End at: 2017-09-21 12:39:18

Local clock offset: -0.126 ms

Remote clock offset: 26.682 ms

Run 2: Report of QUIC Cubic — Data Link

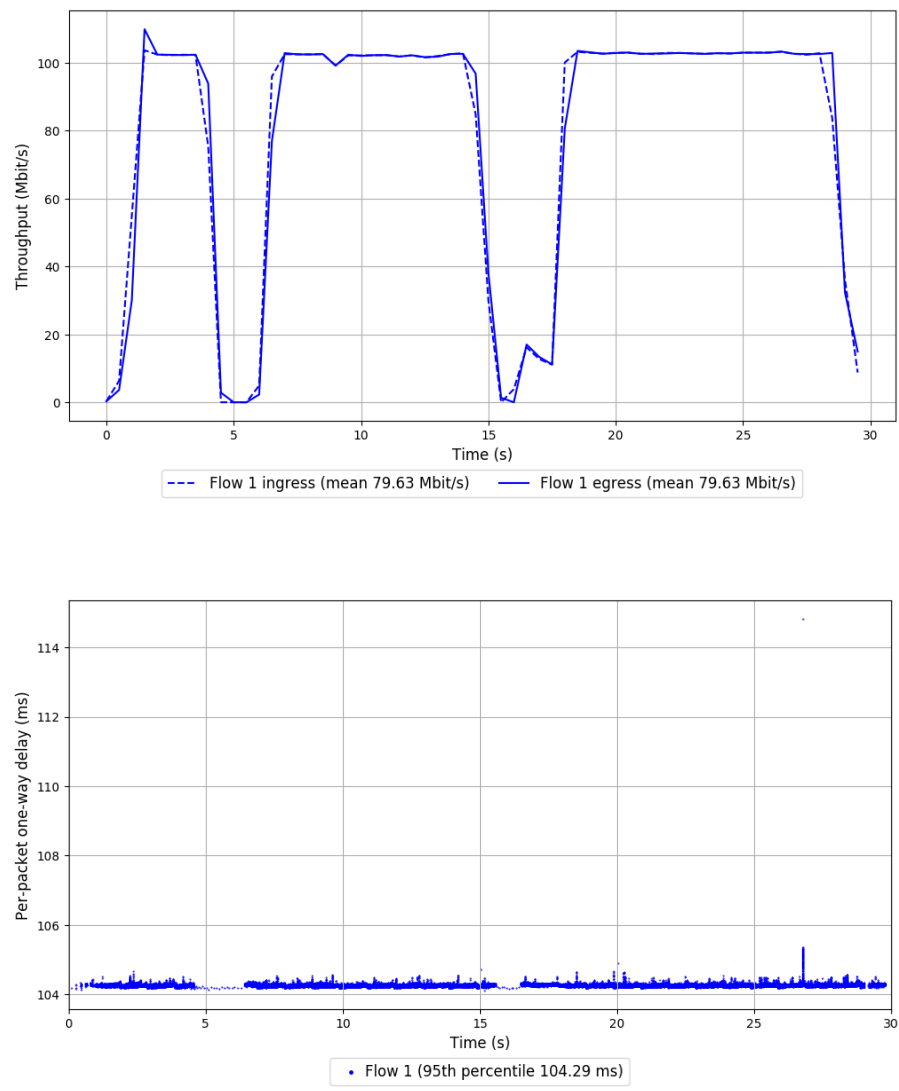


Run 3: Statistics of QUIC Cubic

Start at: 2017-09-21 12:56:50
End at: 2017-09-21 12:57:20
Local clock offset: -0.096 ms
Remote clock offset: 15.656 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.63 Mbit/s
95th percentile per-packet one-way delay: 104.287 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.63 Mbit/s
95th percentile per-packet one-way delay: 104.287 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

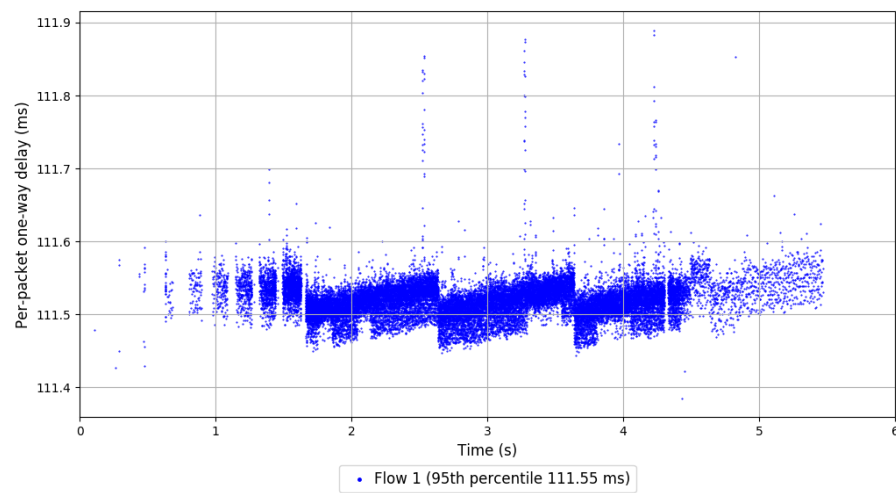
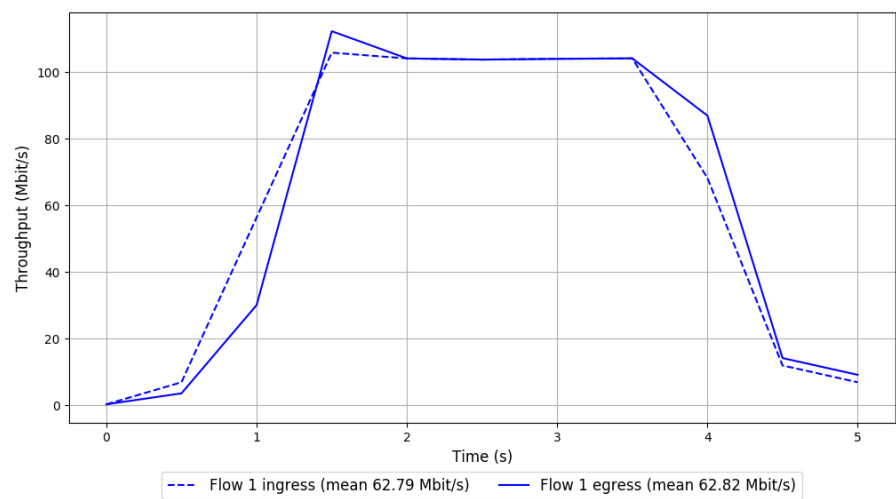
Start at: 2017-09-21 13:15:16

End at: 2017-09-21 13:15:46

Local clock offset: -0.075 ms

Remote clock offset: 20.662 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-09-21 13:33:19

End at: 2017-09-21 13:33:49

Local clock offset: -0.015 ms

Remote clock offset: 15.65 ms

Below is generated by plot.py at 2017-09-21 16:01:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.15 Mbit/s

95th percentile per-packet one-way delay: 104.836 ms

Loss rate: 0.00%

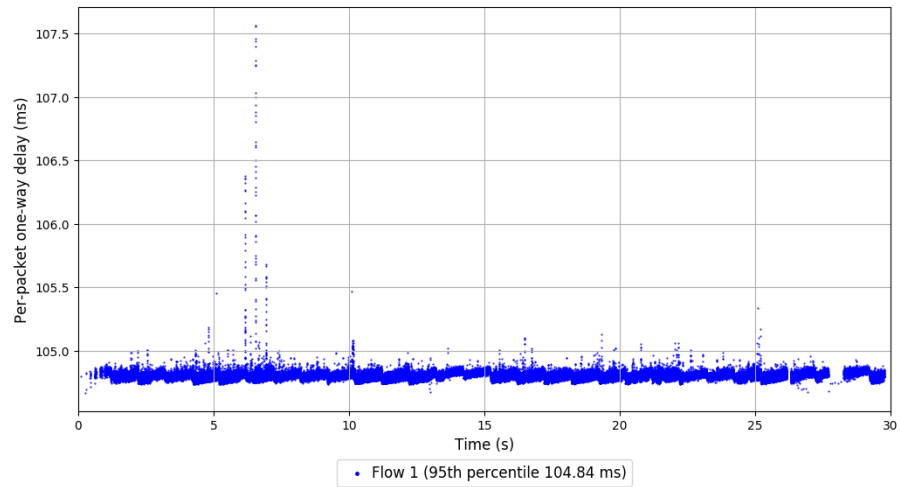
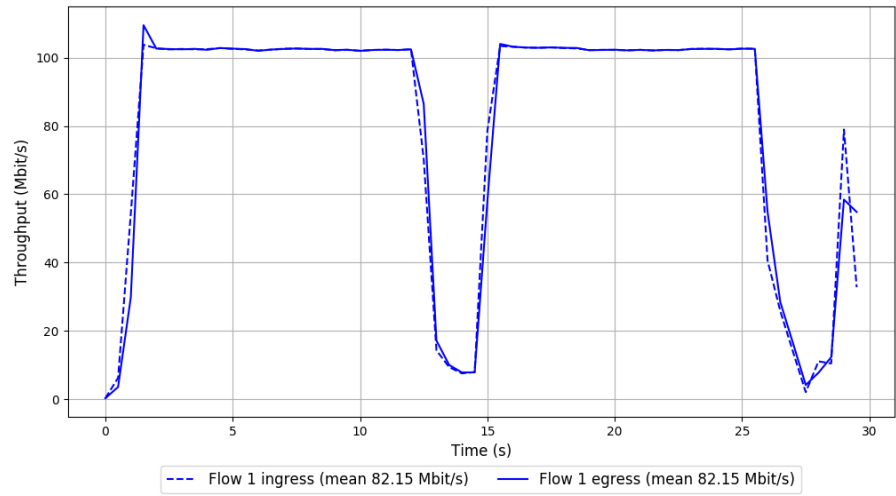
-- Flow 1:

Average throughput: 82.15 Mbit/s

95th percentile per-packet one-way delay: 104.836 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

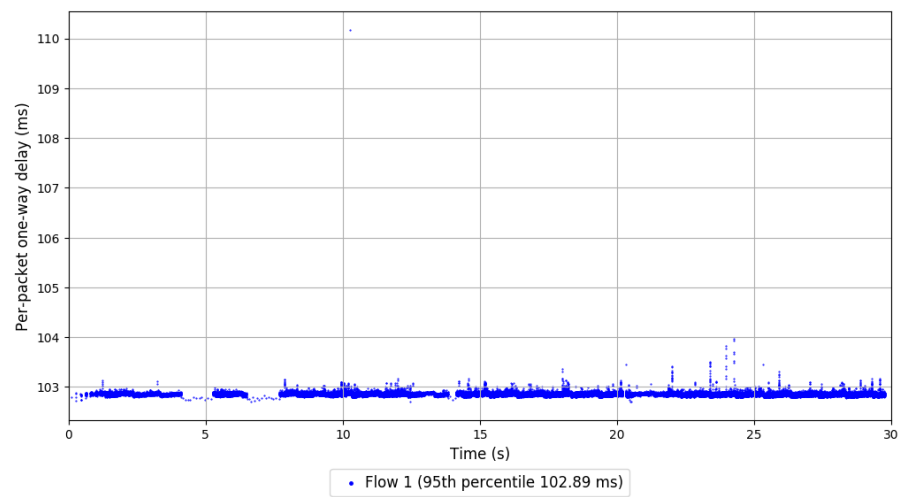
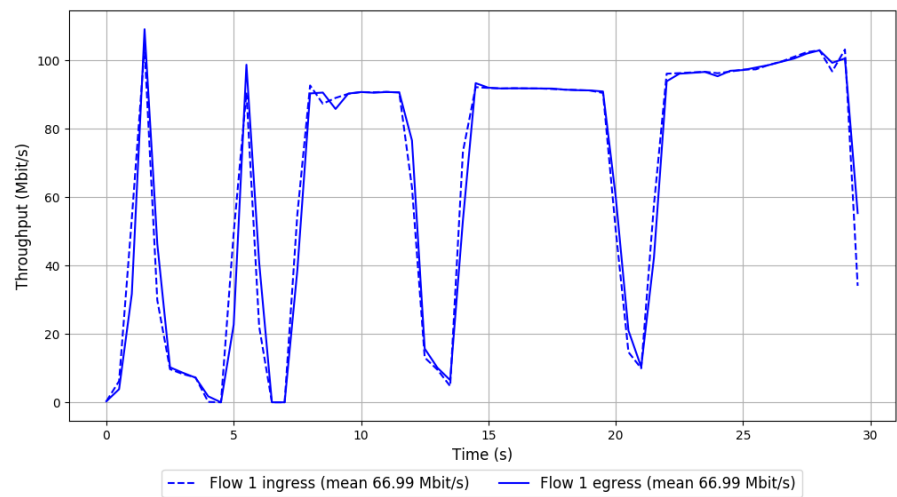


Run 6: Statistics of QUIC Cubic

Start at: 2017-09-21 13:51:44
End at: 2017-09-21 13:52:15
Local clock offset: -0.115 ms
Remote clock offset: 13.807 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.99 Mbit/s
95th percentile per-packet one-way delay: 102.892 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.99 Mbit/s
95th percentile per-packet one-way delay: 102.892 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

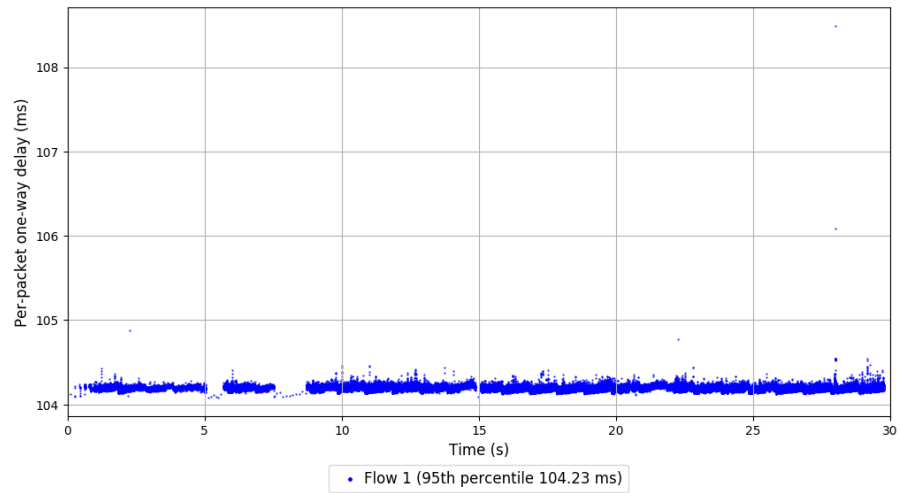
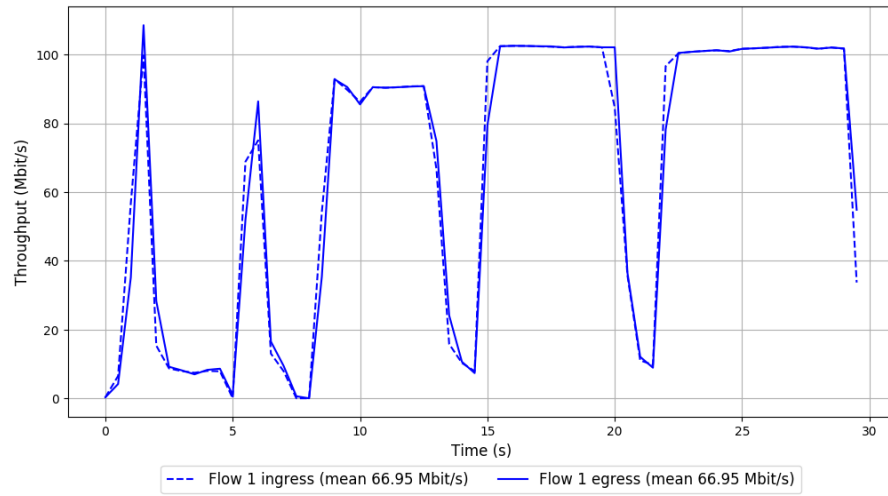


Run 7: Statistics of QUIC Cubic

Start at: 2017-09-21 14:10:00
End at: 2017-09-21 14:10:30
Local clock offset: 0.042 ms
Remote clock offset: 15.669 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.95 Mbit/s
95th percentile per-packet one-way delay: 104.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.95 Mbit/s
95th percentile per-packet one-way delay: 104.230 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-09-21 14:28:38

End at: 2017-09-21 14:29:08

Local clock offset: 0.087 ms

Remote clock offset: 21.179 ms

Below is generated by plot.py at 2017-09-21 16:01:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.71 Mbit/s

95th percentile per-packet one-way delay: 112.048 ms

Loss rate: 0.00%

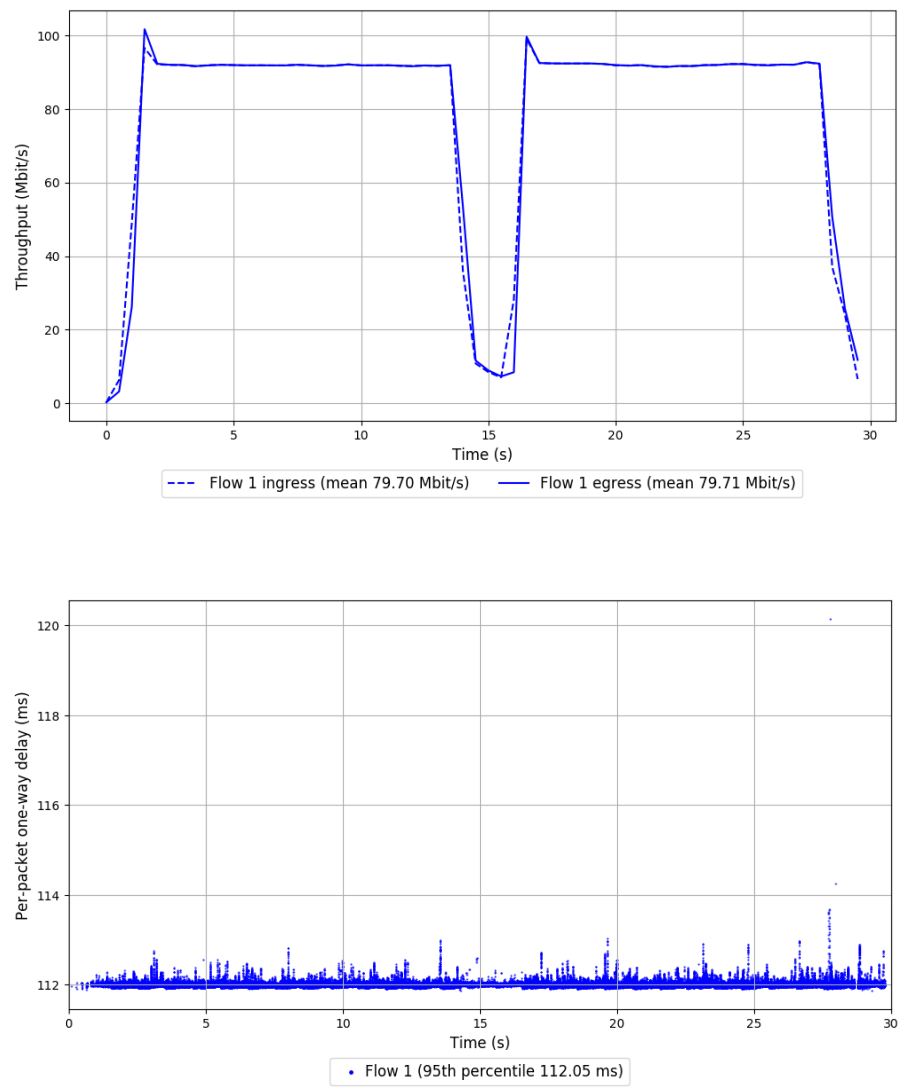
-- Flow 1:

Average throughput: 79.71 Mbit/s

95th percentile per-packet one-way delay: 112.048 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-09-21 14:46:47

End at: 2017-09-21 14:47:17

Local clock offset: 0.062 ms

Remote clock offset: 22.093 ms

Below is generated by plot.py at 2017-09-21 16:01:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.08 Mbit/s

95th percentile per-packet one-way delay: 110.689 ms

Loss rate: 0.00%

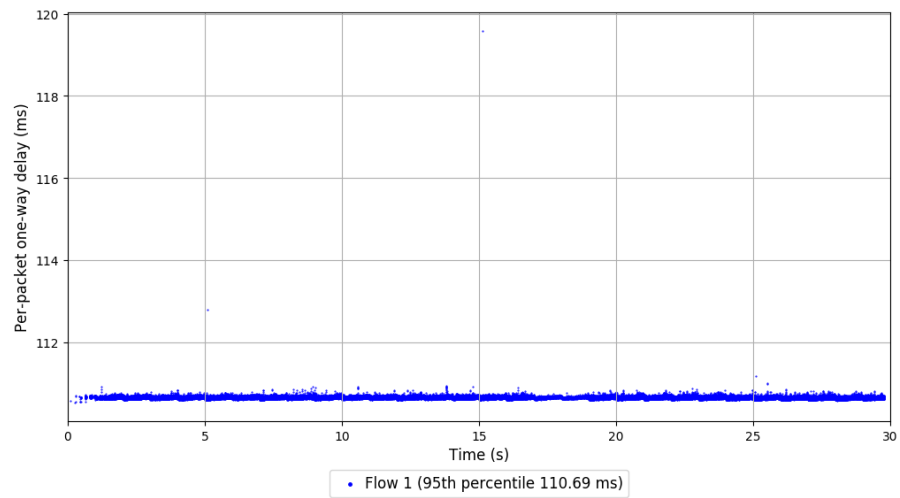
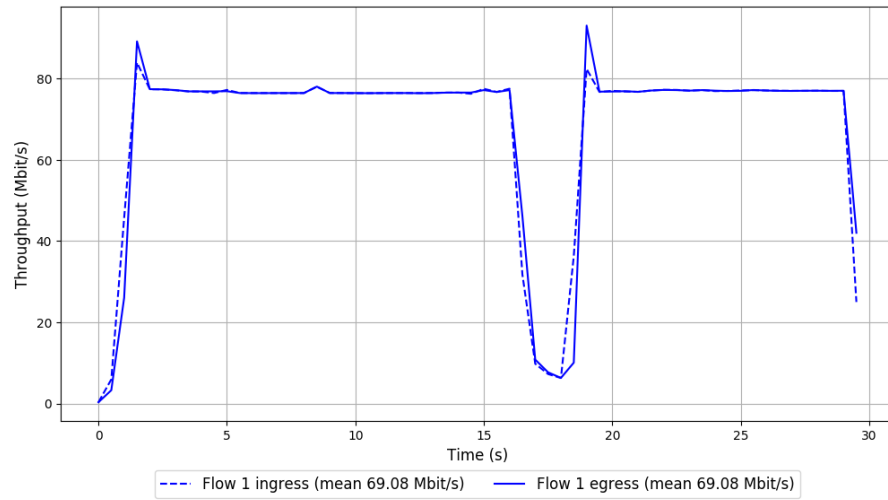
-- Flow 1:

Average throughput: 69.08 Mbit/s

95th percentile per-packet one-way delay: 110.689 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

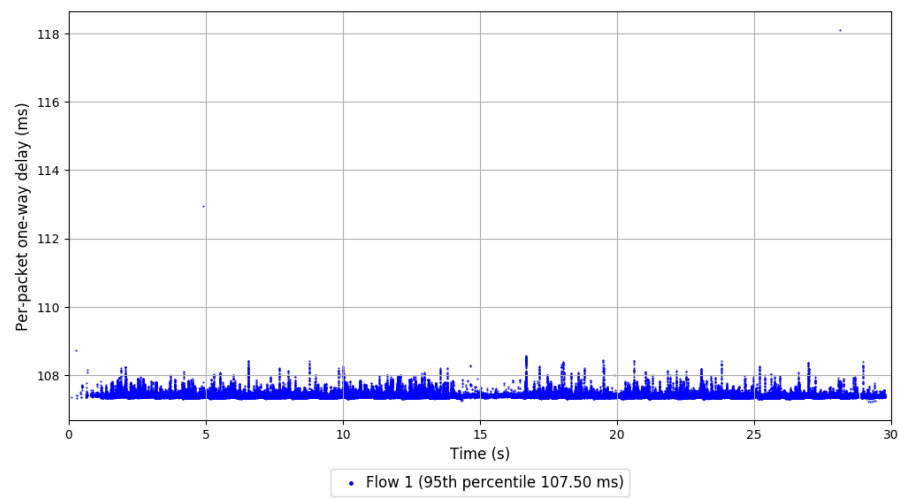
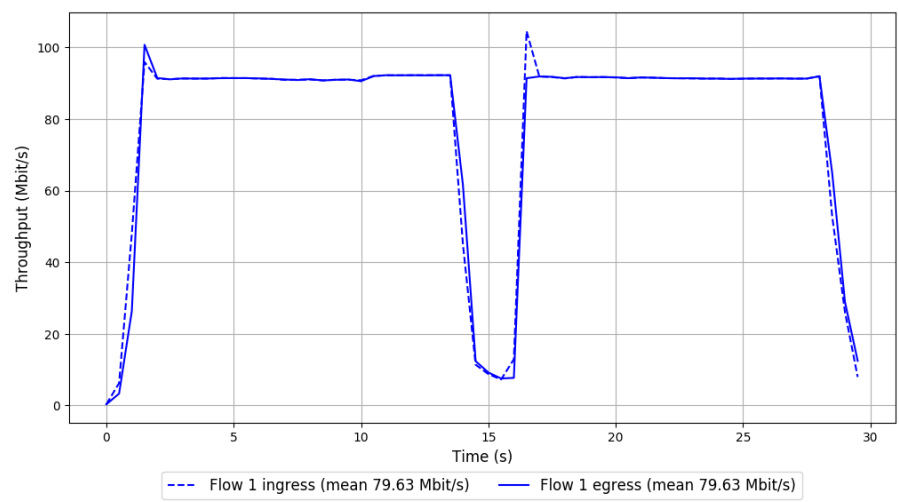


Run 10: Statistics of QUIC Cubic

Start at: 2017-09-21 15:05:13
End at: 2017-09-21 15:05:43
Local clock offset: 0.052 ms
Remote clock offset: 17.701 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.63 Mbit/s
95th percentile per-packet one-way delay: 107.497 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.63 Mbit/s
95th percentile per-packet one-way delay: 107.497 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

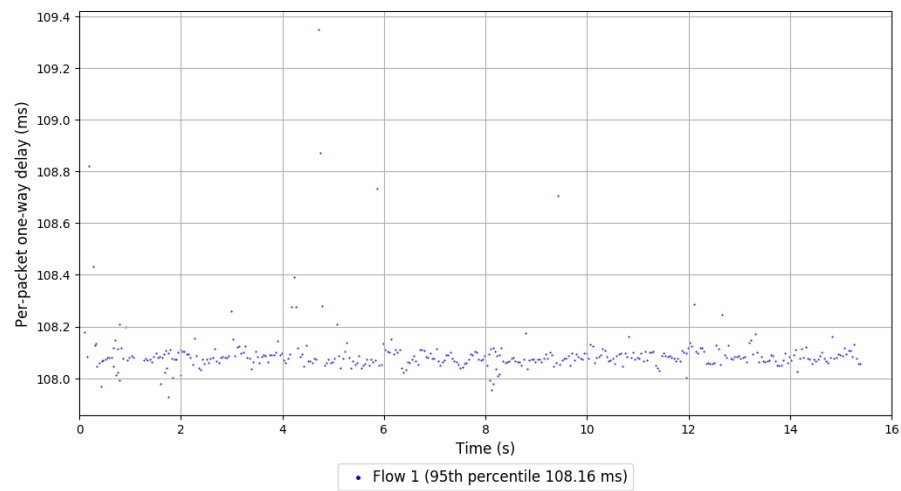
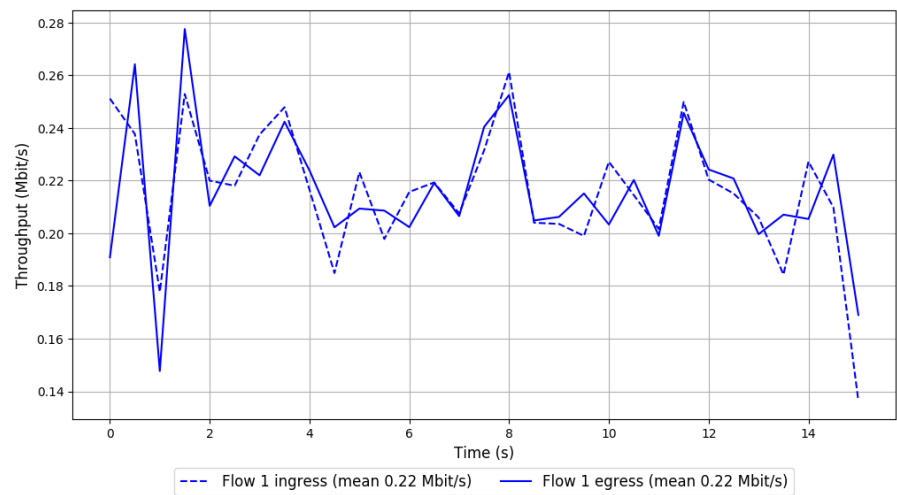
Start at: 2017-09-21 12:14:23

End at: 2017-09-21 12:14:53

Local clock offset: -0.115 ms

Remote clock offset: 18.35 ms

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2017-09-21 12:32:29

End at: 2017-09-21 12:32:59

Local clock offset: -0.09 ms

Remote clock offset: 27.03 ms

Below is generated by plot.py at 2017-09-21 16:01:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.076 ms

Loss rate: 0.00%

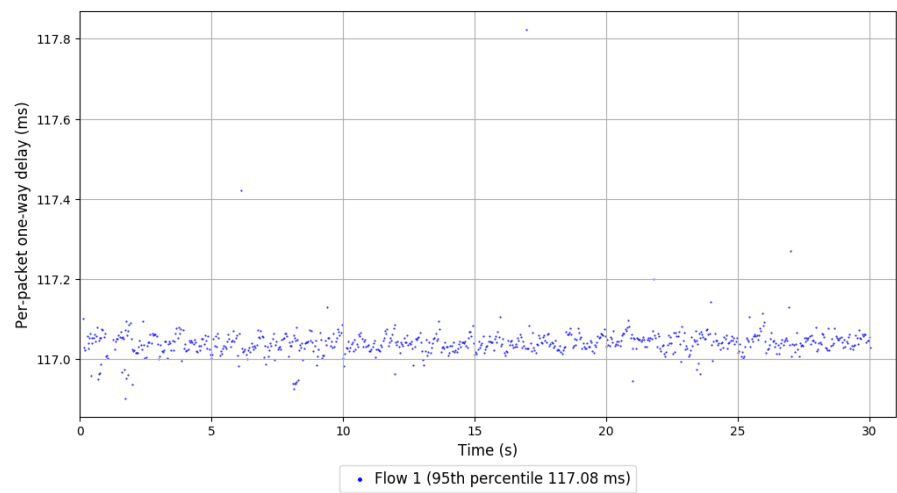
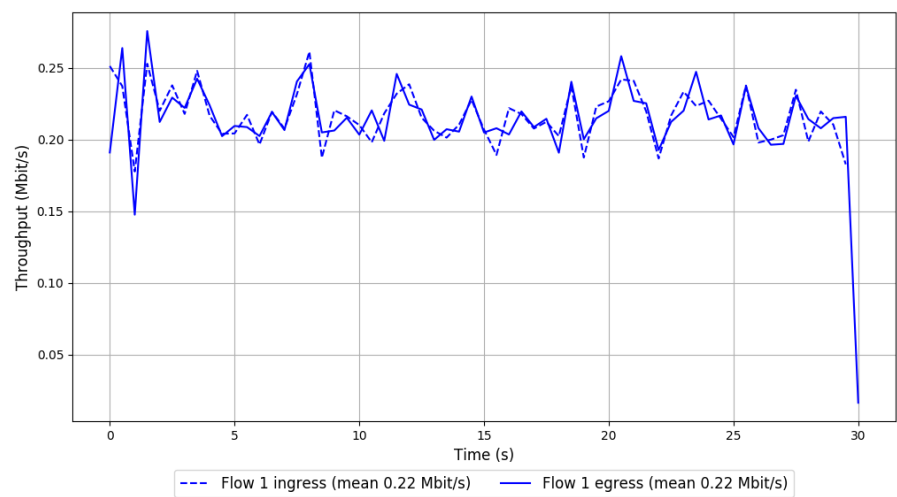
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.076 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

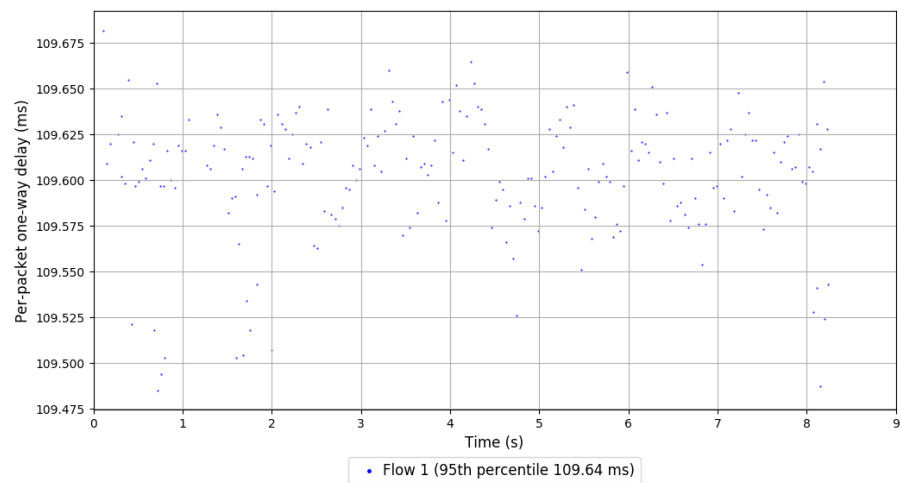
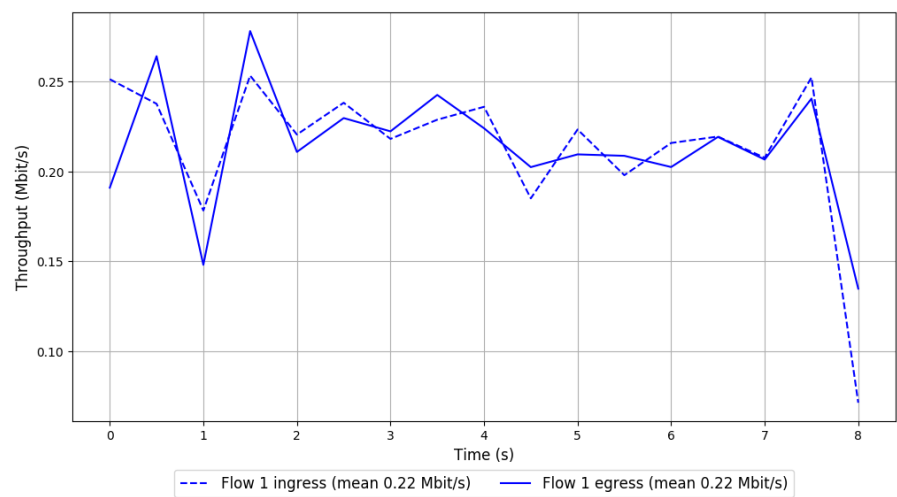
Start at: 2017-09-21 12:50:31

End at: 2017-09-21 12:51:01

Local clock offset: -0.118 ms

Remote clock offset: 21.012 ms

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

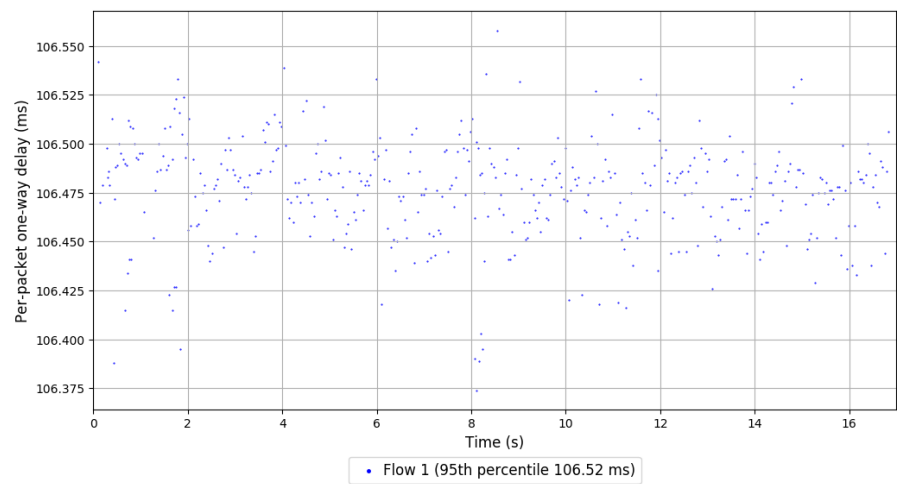
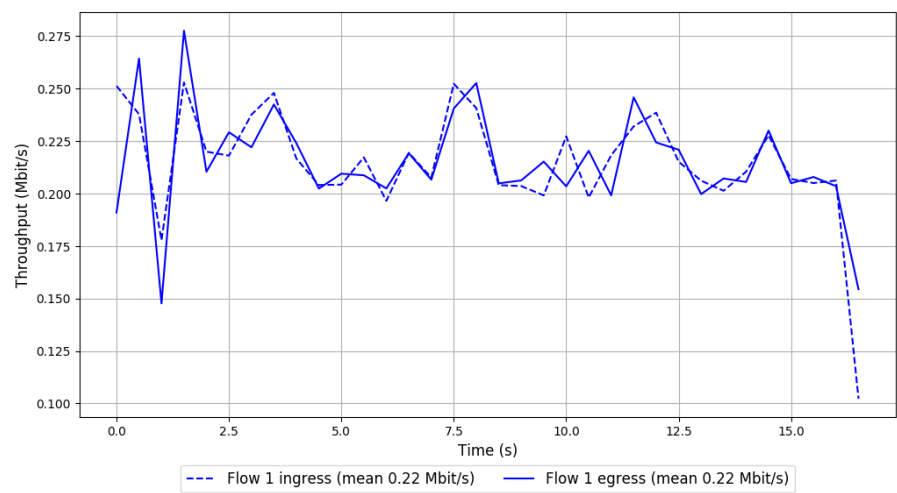
Start at: 2017-09-21 13:08:51

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

Local clock offset: -0.071 ms

Remote clock offset: 16.917 ms

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

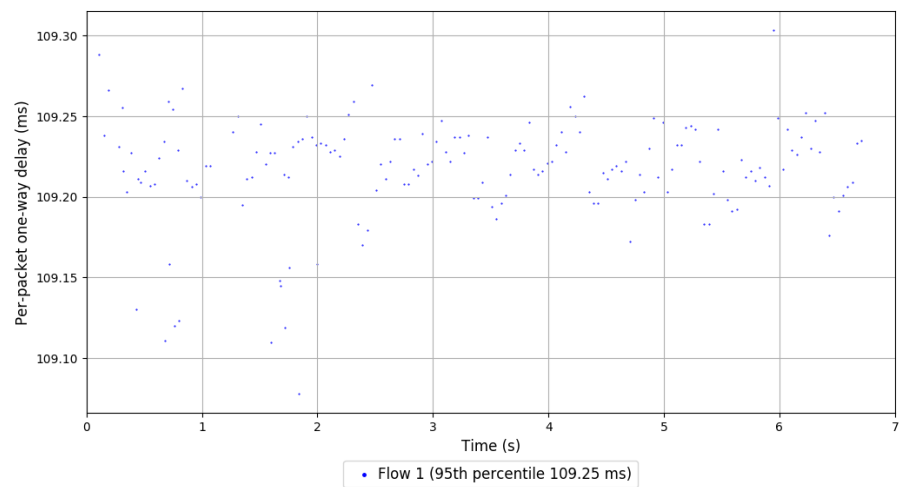
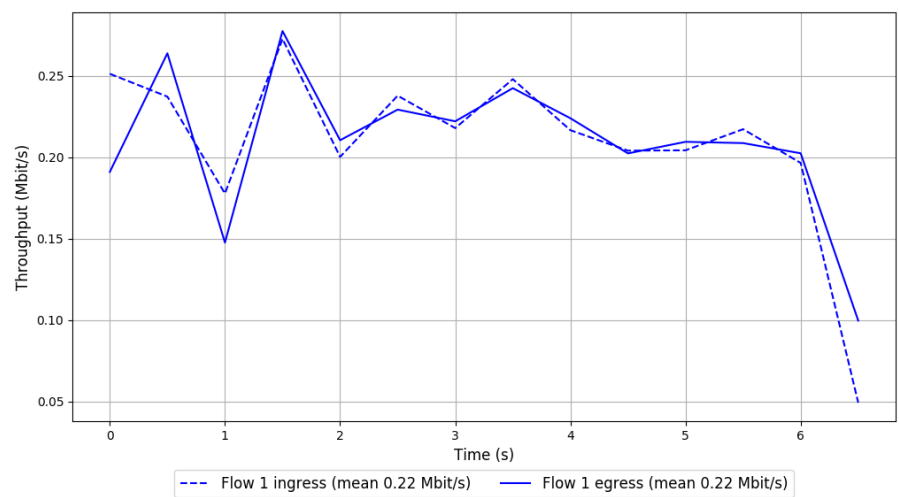
Start at: 2017-09-21 13:27:02

End at: 2017-09-21 13:27:32

Local clock offset: -0.042 ms

Remote clock offset: 20.569 ms

Run 5: Report of SReAM — Data Link

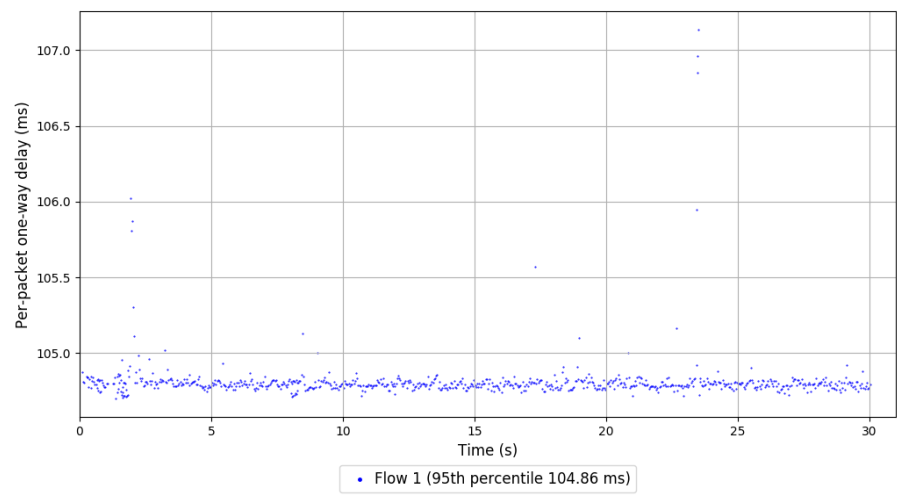
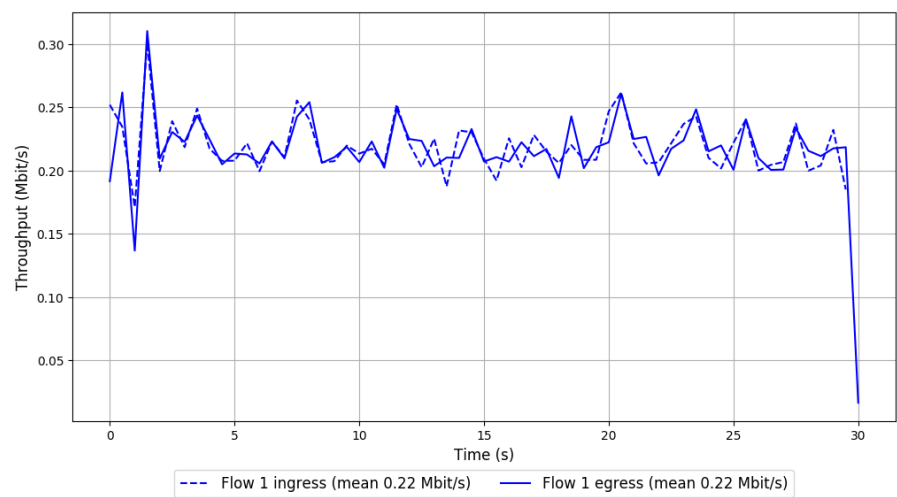


Run 6: Statistics of SCReAM

Start at: 2017-09-21 13:45:22
End at: 2017-09-21 13:45:52
Local clock offset: -0.145 ms
Remote clock offset: 13.707 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 104.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 104.860 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

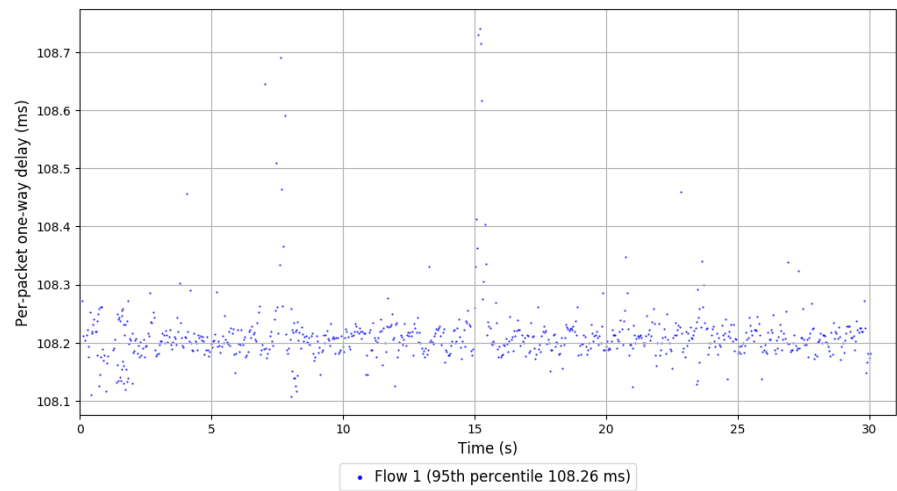
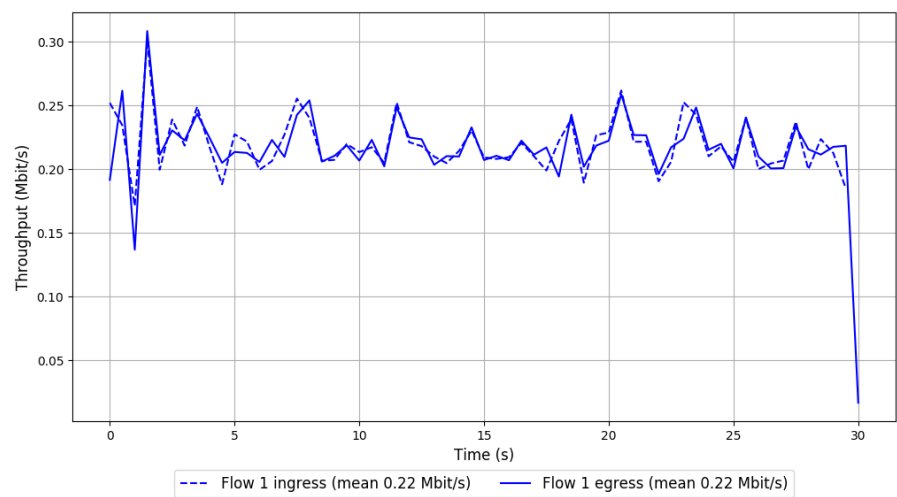


Run 7: Statistics of SCReAM

Start at: 2017-09-21 14:03:38
End at: 2017-09-21 14:04:08
Local clock offset: 0.009 ms
Remote clock offset: 16.749 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.263 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

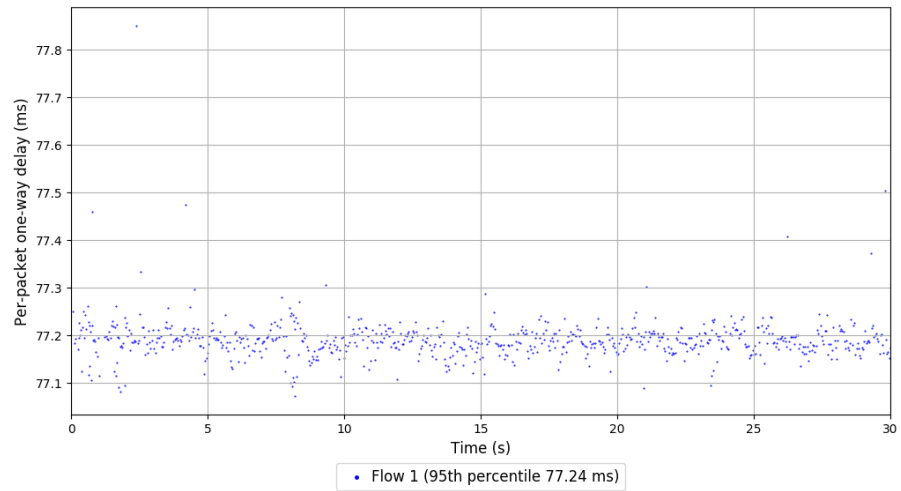
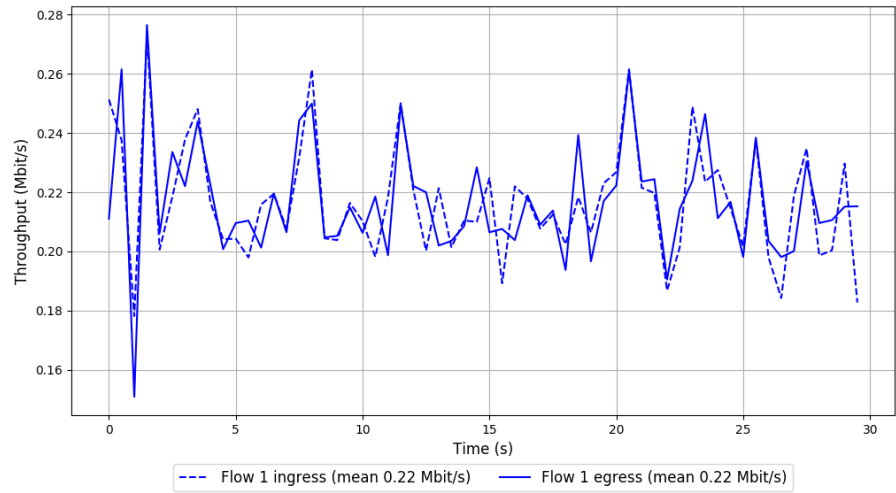


Run 8: Statistics of SCReAM

Start at: 2017-09-21 14:22:15
End at: 2017-09-21 14:22:45
Local clock offset: 0.086 ms
Remote clock offset: -11.564 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.237 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.237 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

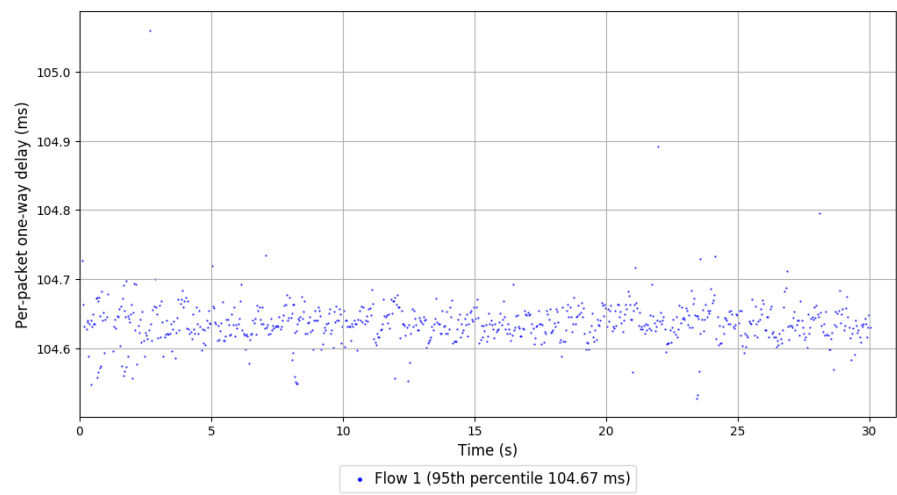
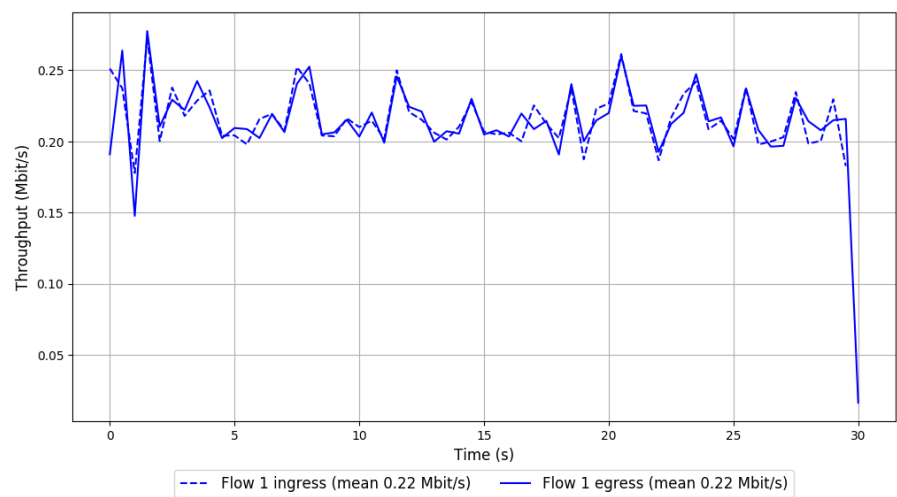


Run 9: Statistics of SCReAM

Start at: 2017-09-21 14:40:28
End at: 2017-09-21 14:40:58
Local clock offset: 0.089 ms
Remote clock offset: 16.195 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 104.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 104.673 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

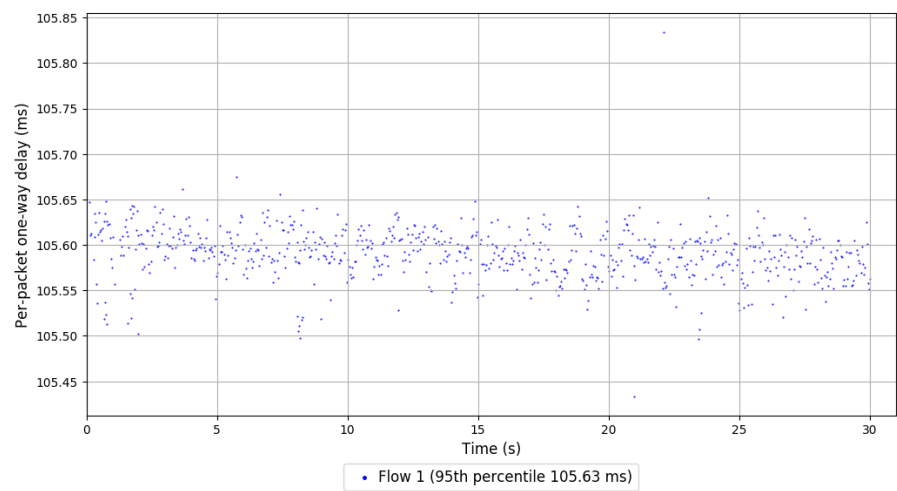
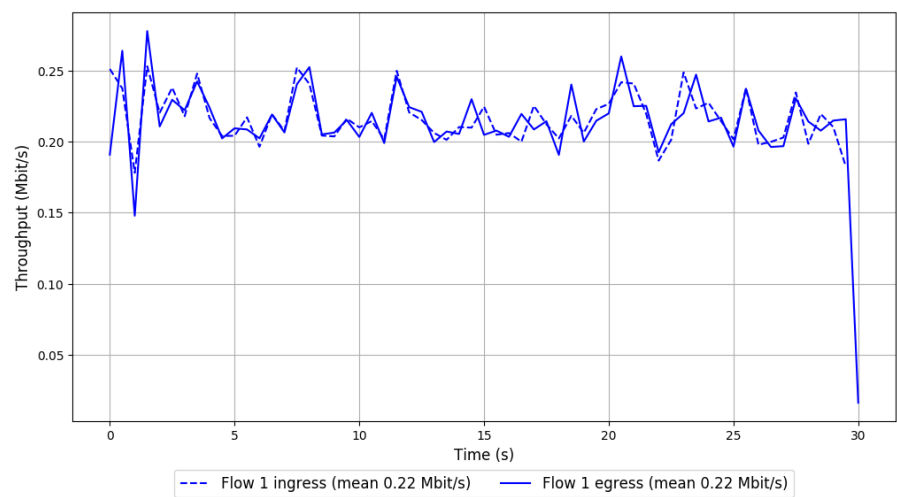


Run 10: Statistics of SReAM

Start at: 2017-09-21 14:58:45
End at: 2017-09-21 14:59:15
Local clock offset: 0.086 ms
Remote clock offset: 17.464 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 105.631 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 105.631 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

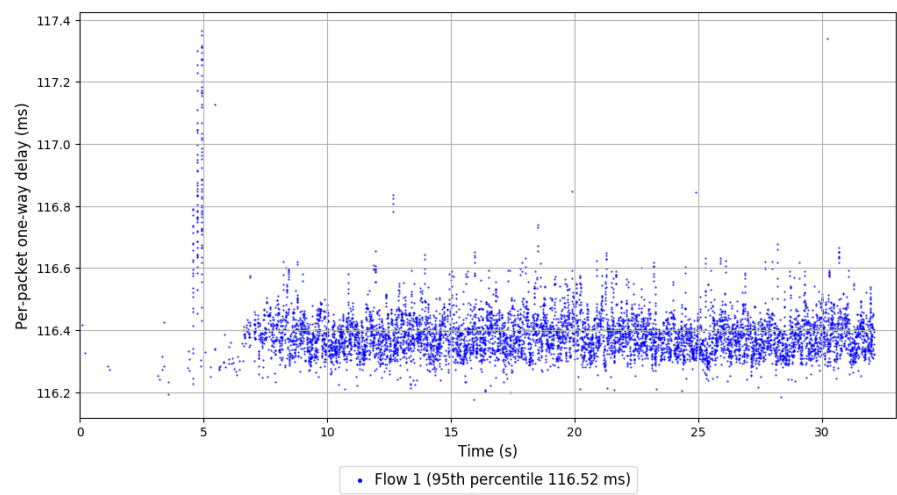
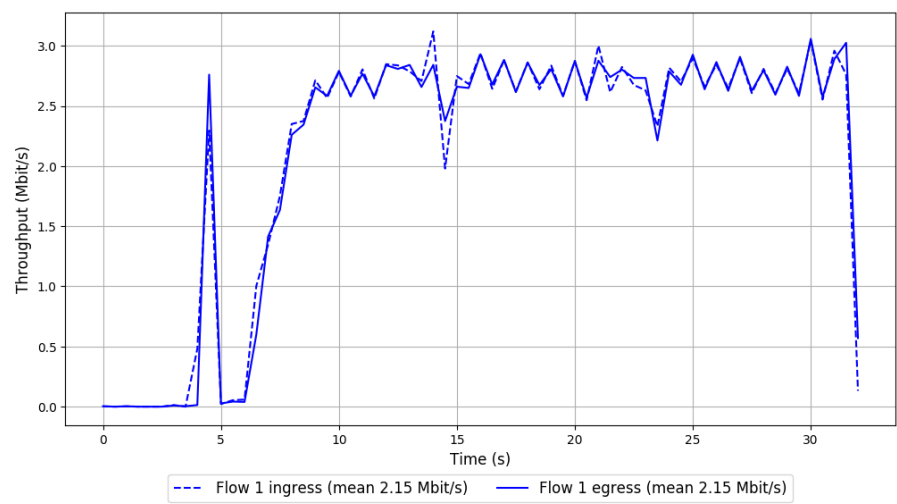


Run 1: Statistics of WebRTC media

Start at: 2017-09-21 12:26:03
End at: 2017-09-21 12:26:33
Local clock offset: -0.09 ms
Remote clock offset: 25.728 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 116.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 116.524 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

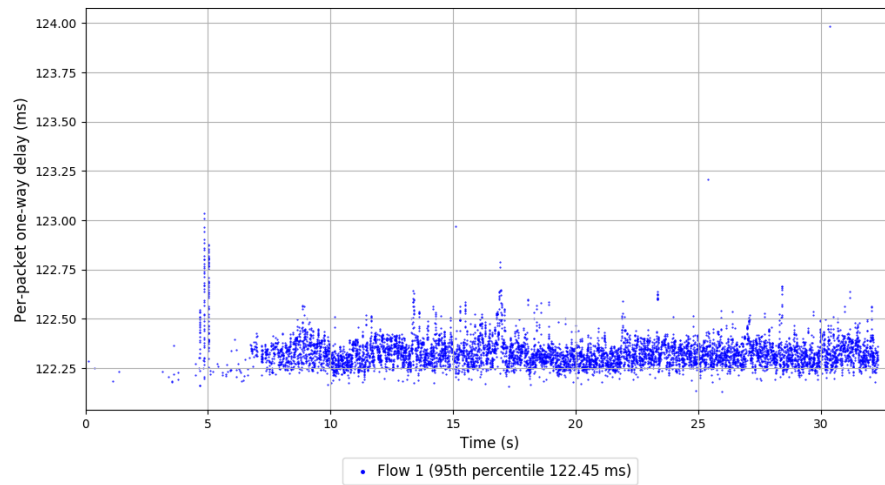
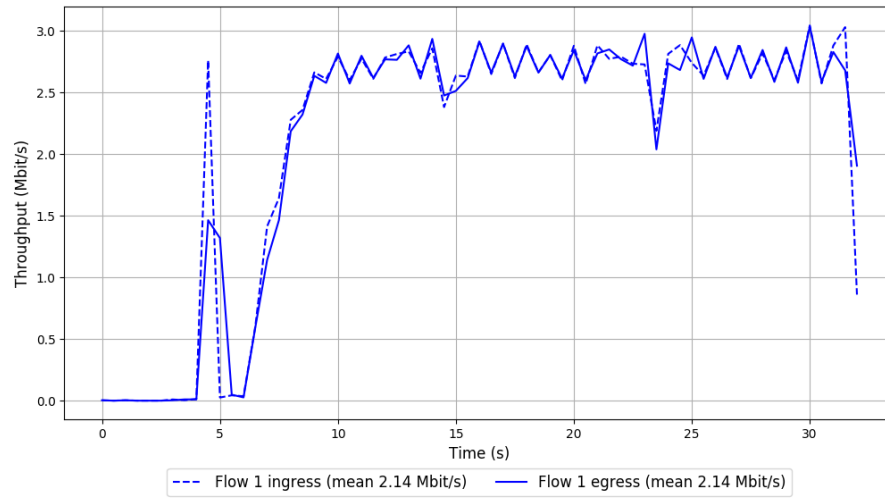


Run 2: Statistics of WebRTC media

Start at: 2017-09-21 12:44:07
End at: 2017-09-21 12:44:37
Local clock offset: -0.127 ms
Remote clock offset: 31.309 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 122.449 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 122.449 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

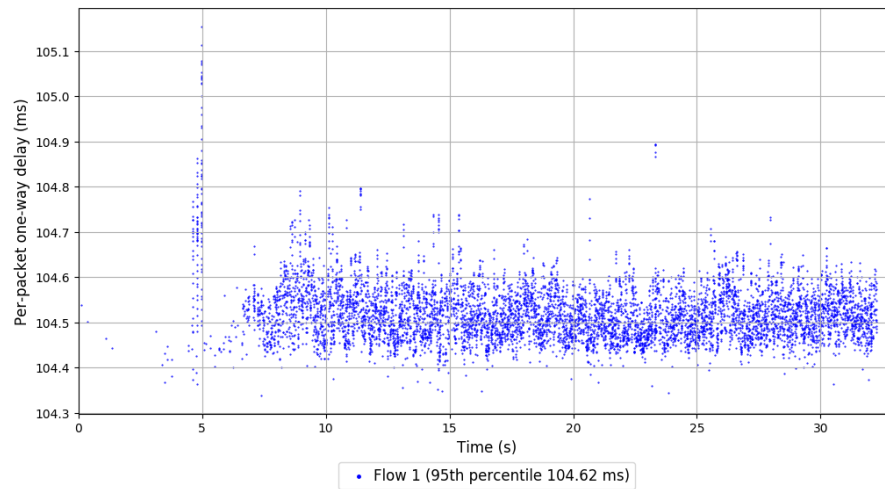
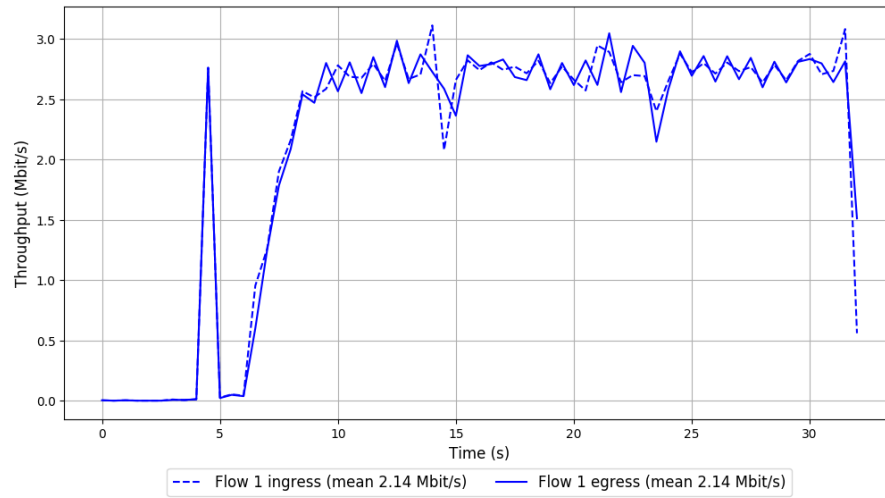


Run 3: Statistics of WebRTC media

Start at: 2017-09-21 13:02:13
End at: 2017-09-21 13:02:43
Local clock offset: -0.097 ms
Remote clock offset: 15.527 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 104.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 104.621 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

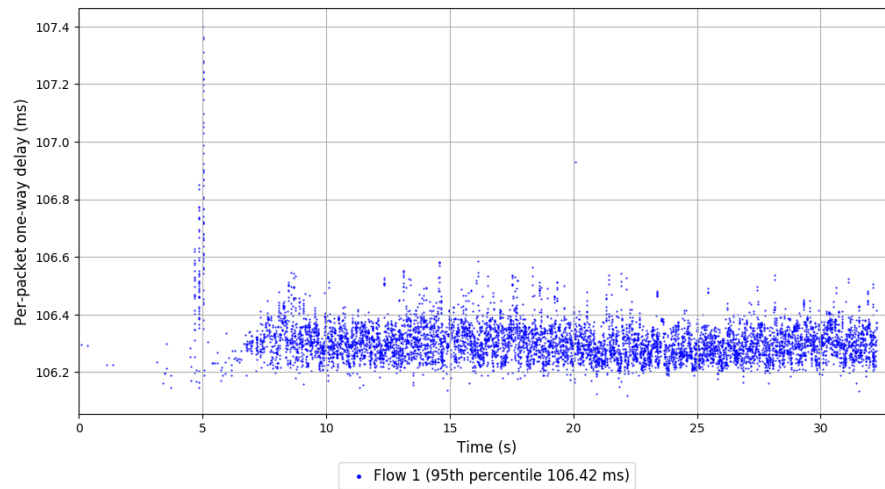
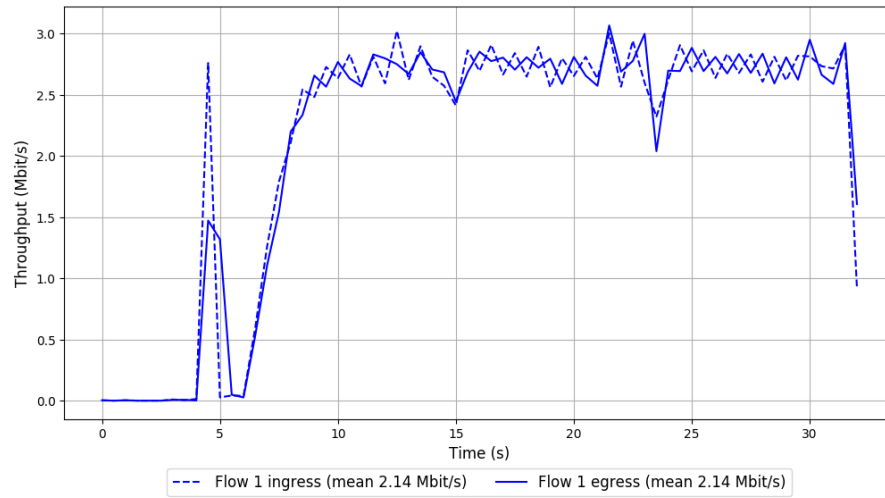


Run 4: Statistics of WebRTC media

Start at: 2017-09-21 13:20:34
End at: 2017-09-21 13:21:04
Local clock offset: -0.03 ms
Remote clock offset: 16.612 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 106.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 106.420 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

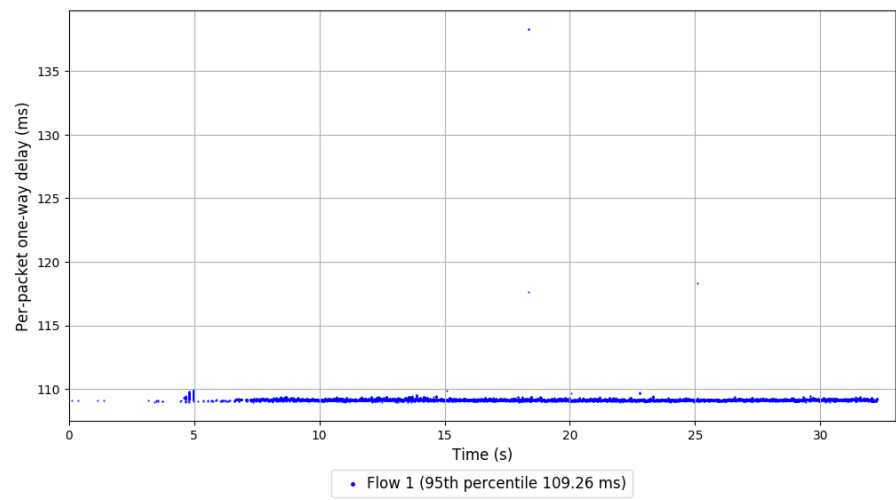
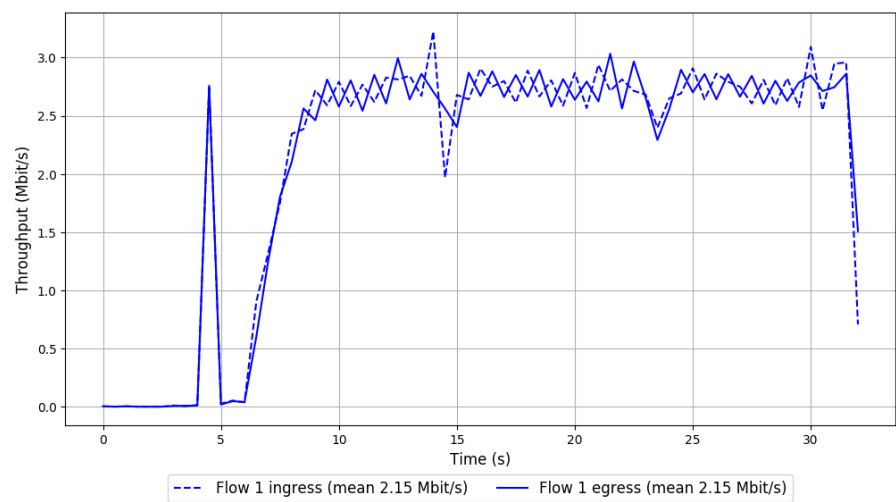


Run 5: Statistics of WebRTC media

Start at: 2017-09-21 13:38:48
End at: 2017-09-21 13:39:18
Local clock offset: -0.013 ms
Remote clock offset: 19.751 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 109.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 109.259 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-09-21 13:57:09

End at: 2017-09-21 13:57:39

Local clock offset: -0.032 ms

Remote clock offset: 15.48 ms

Below is generated by plot.py at 2017-09-21 16:01:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 104.611 ms

Loss rate: 0.00%

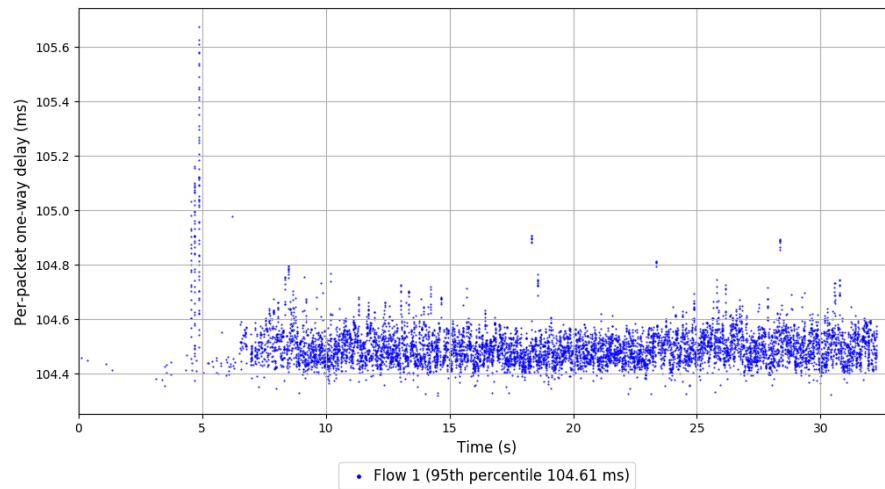
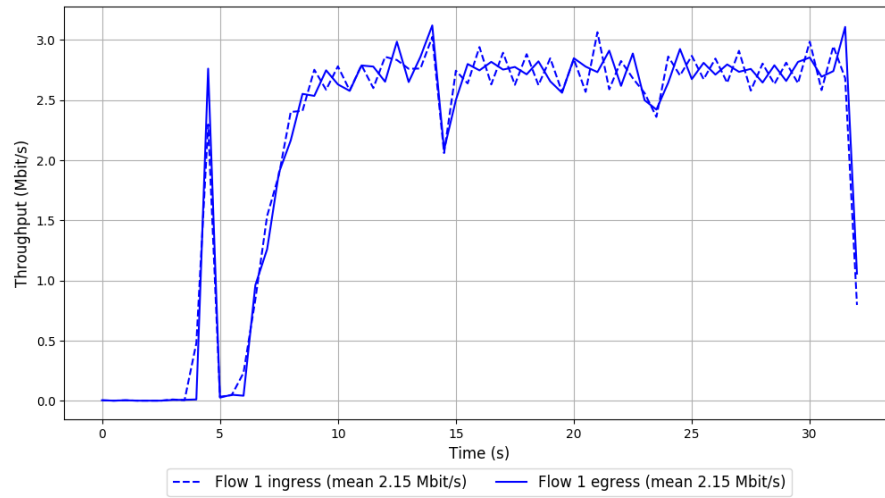
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 104.611 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

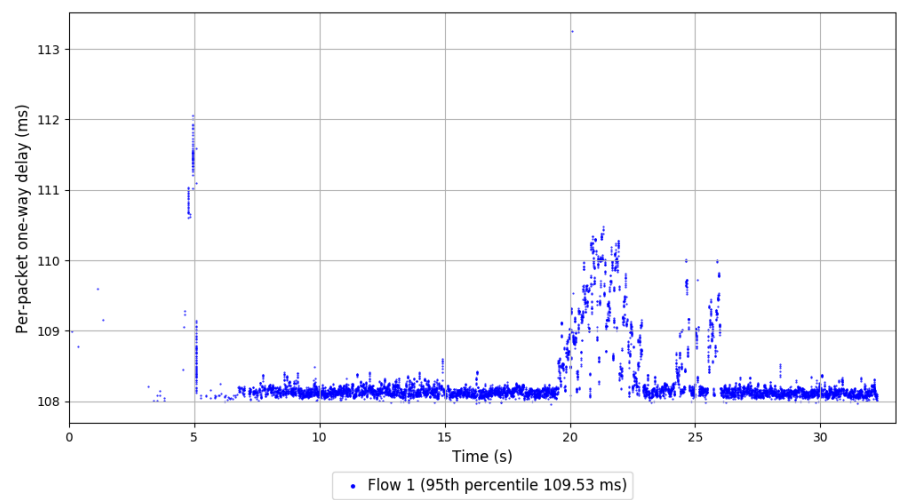
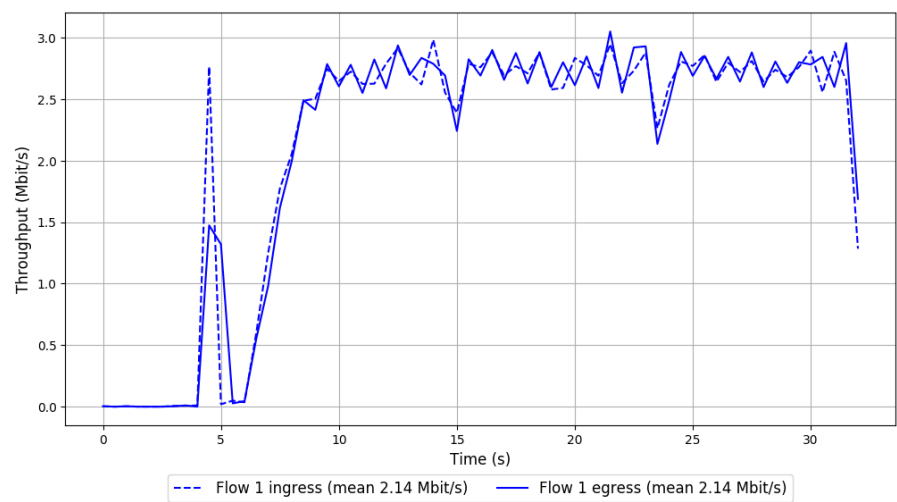


Run 7: Statistics of WebRTC media

Start at: 2017-09-21 14:15:41
End at: 2017-09-21 14:16:11
Local clock offset: 0.131 ms
Remote clock offset: 17.906 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 109.528 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 109.528 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

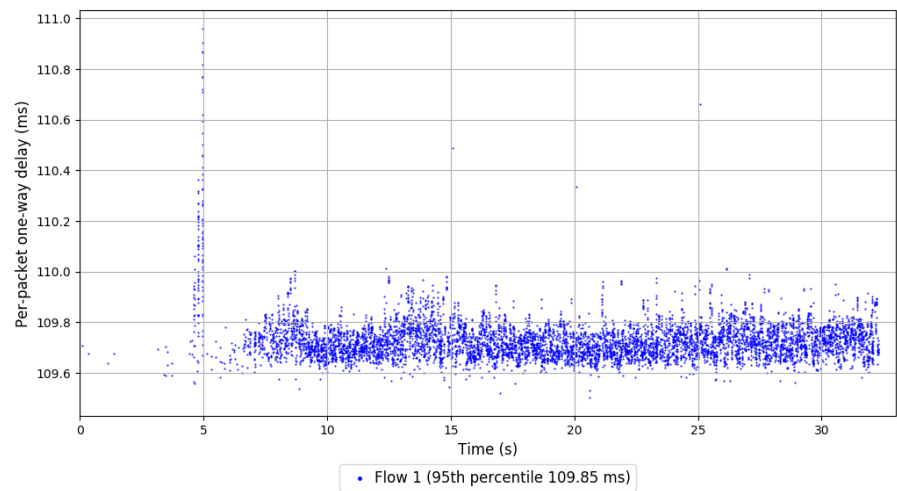
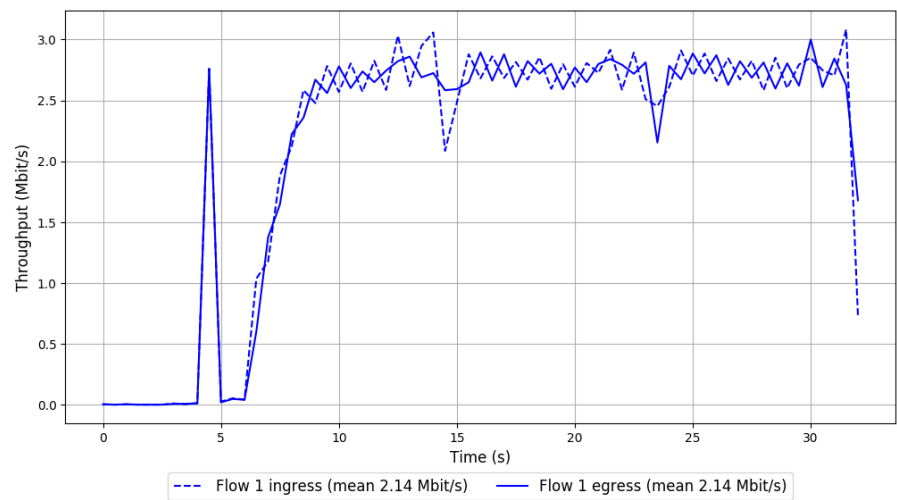


Run 8: Statistics of WebRTC media

Start at: 2017-09-21 14:34:00
End at: 2017-09-21 14:34:30
Local clock offset: 0.114 ms
Remote clock offset: 20.469 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 109.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 109.847 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

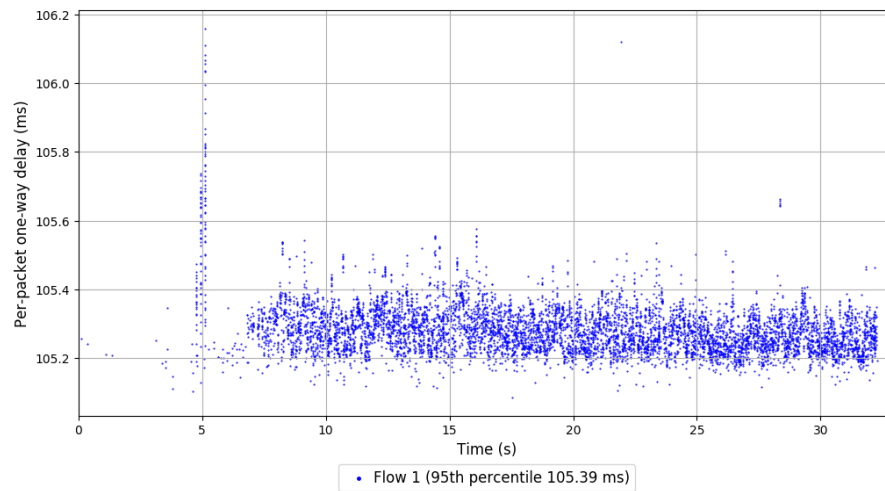
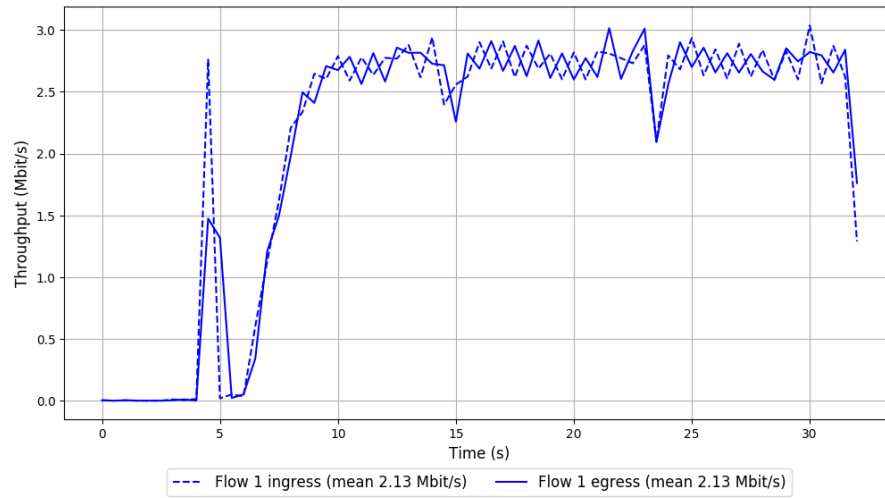


Run 9: Statistics of WebRTC media

Start at: 2017-09-21 14:52:10
End at: 2017-09-21 14:52:40
Local clock offset: 0.116 ms
Remote clock offset: 16.732 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 105.390 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 105.390 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-09-21 15:10:44

End at: 2017-09-21 15:11:14

Local clock offset: 0.128 ms

Remote clock offset: 17.008 ms

Below is generated by plot.py at 2017-09-21 16:01:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 107.186 ms

Loss rate: 0.00%

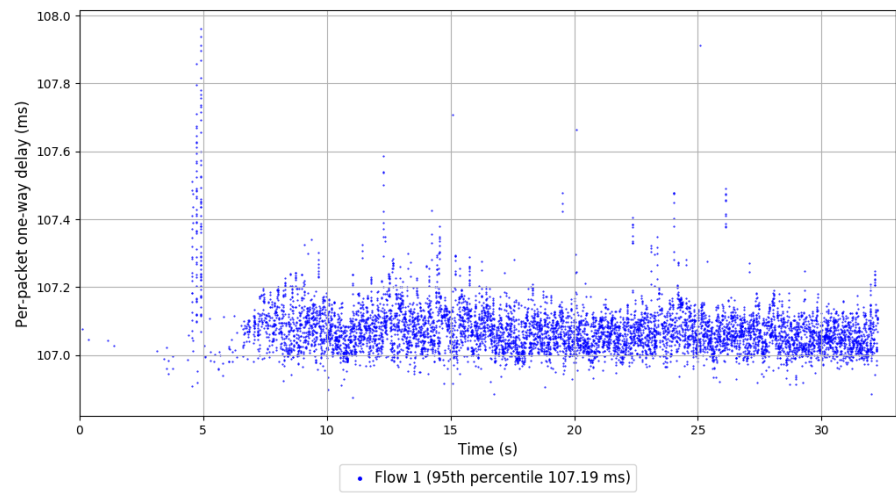
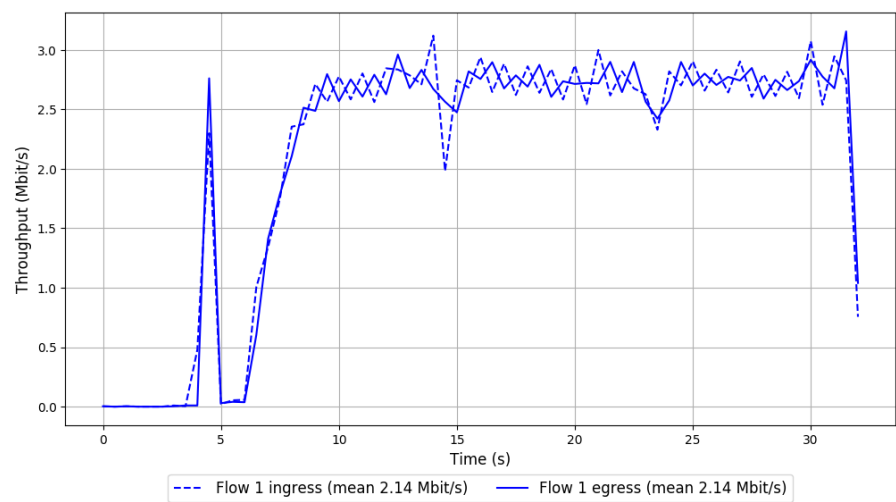
-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 107.186 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2017-09-21 12:19:31

End at: 2017-09-21 12:20:01

Local clock offset: -0.095 ms

Remote clock offset: 16.227 ms

Run 1: Report of Sprout — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Sprout

Start at: 2017-09-21 12:37:38

End at: 2017-09-21 12:38:08

Local clock offset: -0.109 ms

Remote clock offset: 35.214 ms

Run 2: Report of Sprout — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Sprout

Start at: 2017-09-21 12:55:40

End at: 2017-09-21 12:56:10

Local clock offset: -0.091 ms

Remote clock offset: 18.695 ms

Run 3: Report of Sprout — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Sprout

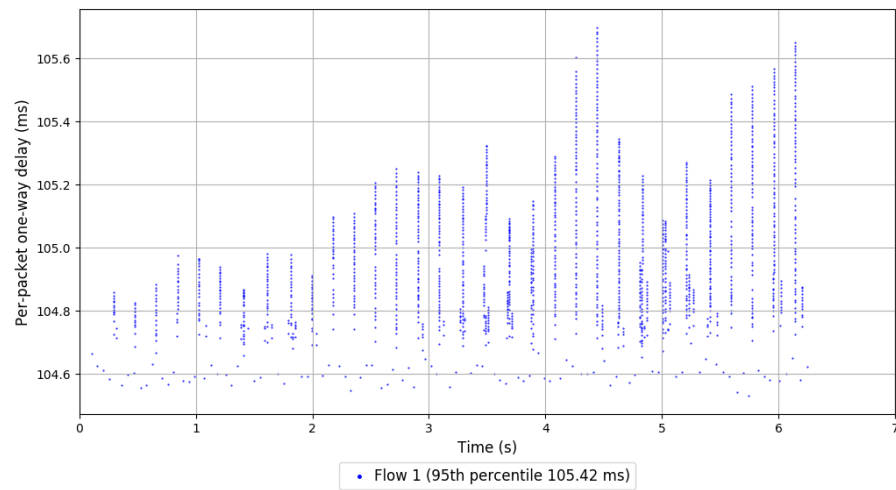
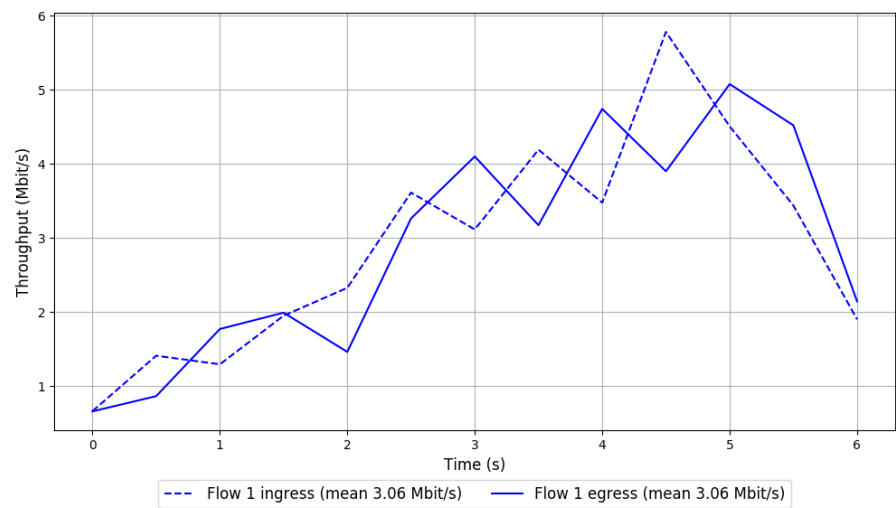
Start at: 2017-09-21 13:14:06

End at: 2017-09-21 13:14:36

Local clock offset: -0.07 ms

Remote clock offset: 15.54 ms

Run 4: Report of Sprout — Data Link

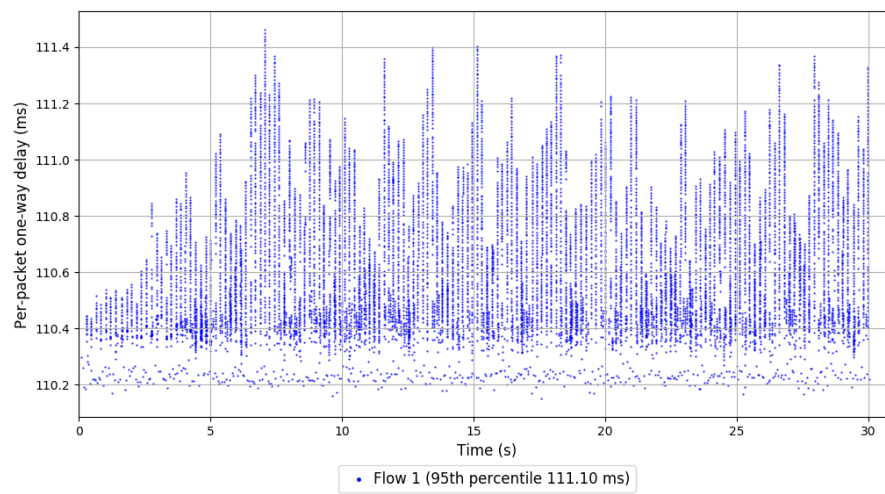
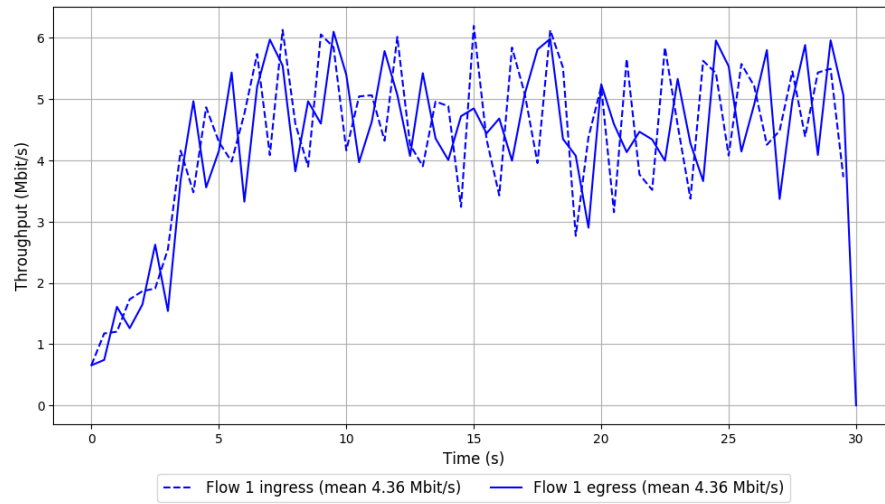


Run 5: Statistics of Sprout

Start at: 2017-09-21 13:32:08
End at: 2017-09-21 13:32:38
Local clock offset: -0.058 ms
Remote clock offset: 21.106 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 111.099 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 111.099 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

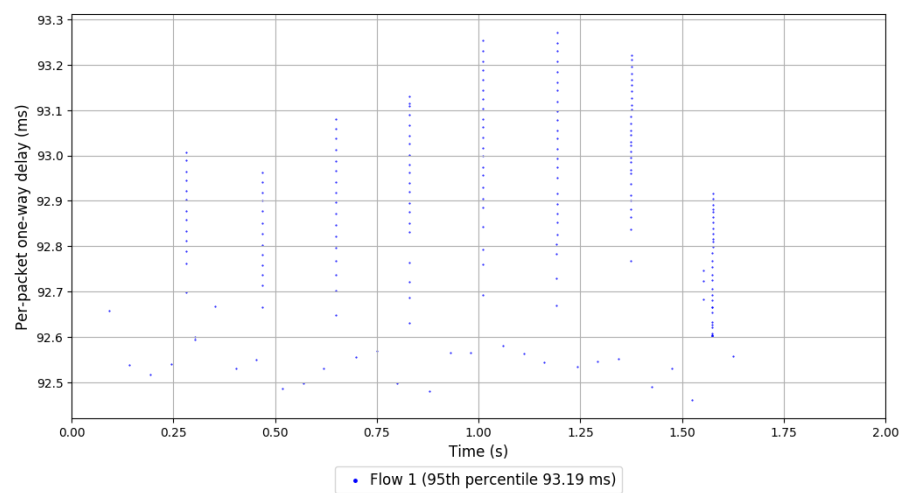
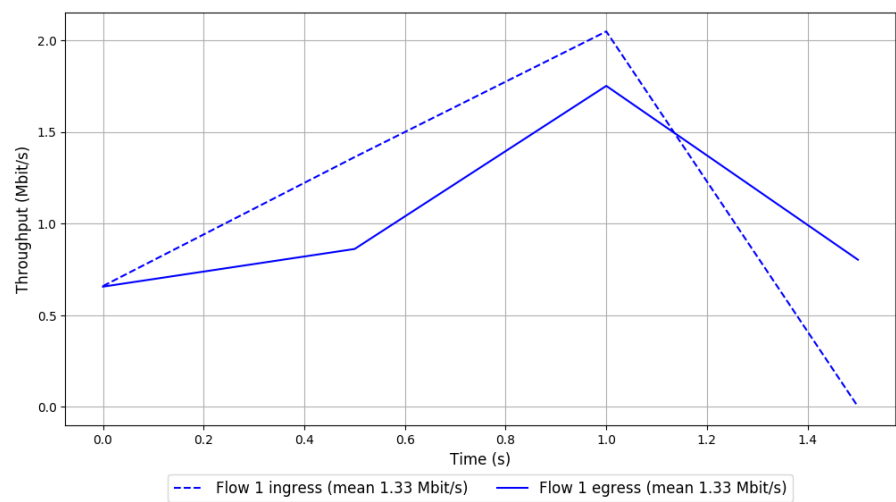
Start at: 2017-09-21 13:50:35

End at: 2017-09-21 13:51:05

Local clock offset: -0.038 ms

Remote clock offset: 1.607 ms

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2017-09-21 14:08:50

End at: 2017-09-21 14:09:20

Local clock offset: 0.052 ms

Remote clock offset: 15.541 ms

Run 7: Report of Sprout — Data Link

Figure is missing

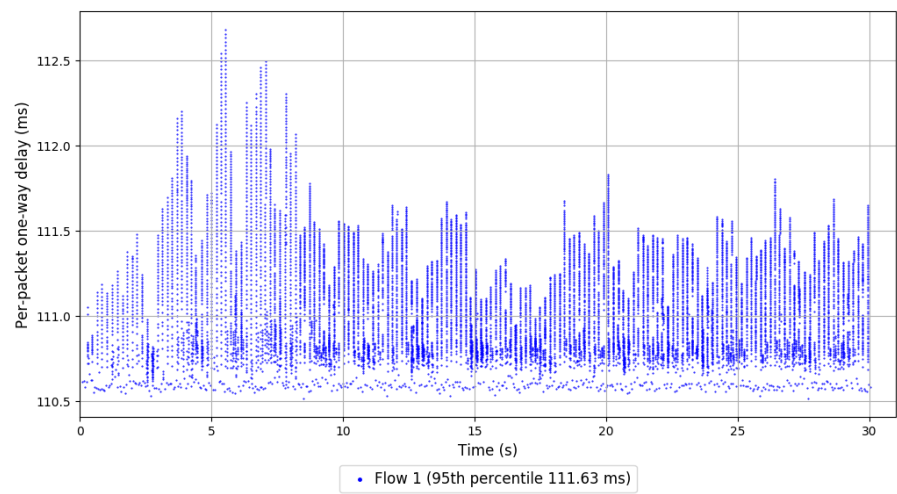
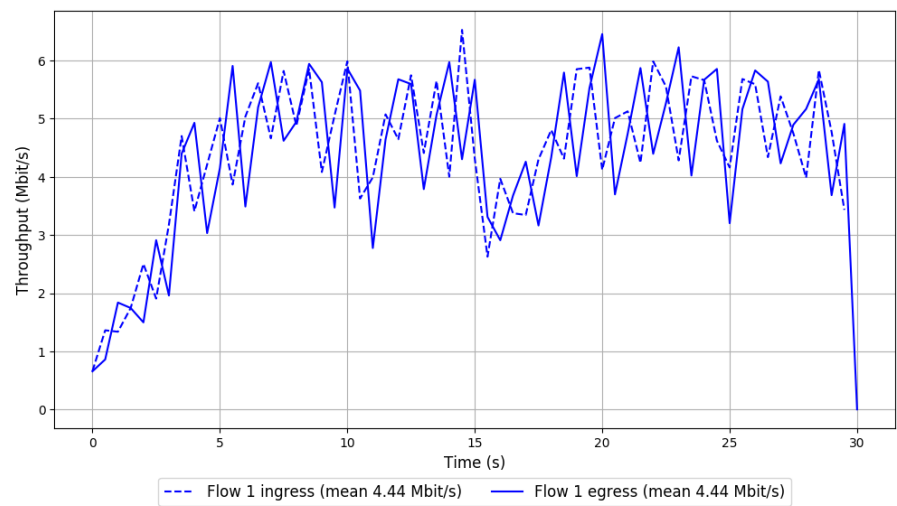
Figure is missing

Run 8: Statistics of Sprout

Start at: 2017-09-21 14:27:27
End at: 2017-09-21 14:27:57
Local clock offset: 0.016 ms
Remote clock offset: 22.031 ms

Below is generated by plot.py at 2017-09-21 16:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 111.629 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 111.629 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-09-21 14:45:37

End at: 2017-09-21 14:46:07

Local clock offset: 0.086 ms

Remote clock offset: 22.274 ms

Run 9: Report of Sprout — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Sprout

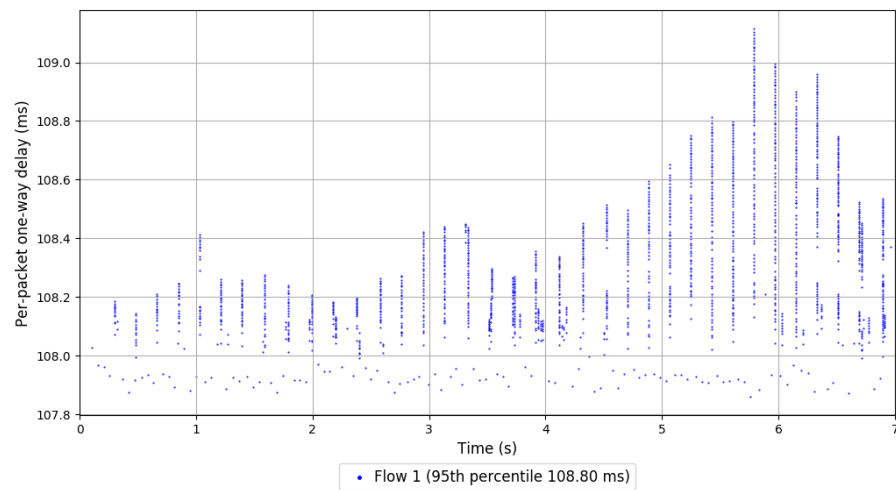
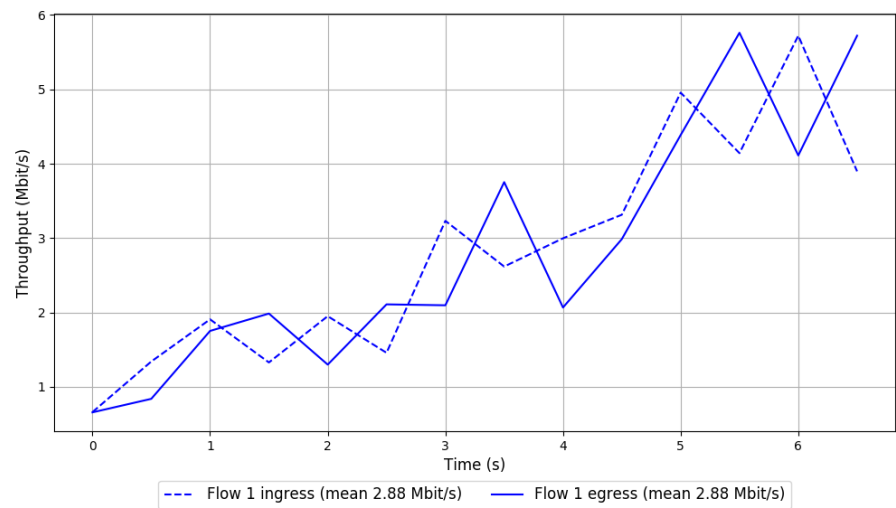
Start at: 2017-09-21 15:04:03

End at: 2017-09-21 15:04:33

Local clock offset: 0.119 ms

Remote clock offset: 17.839 ms

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2017-09-21 12:21:53

End at: 2017-09-21 12:22:24

Local clock offset: -0.088 ms

Remote clock offset: 24.929 ms

Below is generated by plot.py at 2017-09-21 16:05:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.10 Mbit/s

95th percentile per-packet one-way delay: 113.282 ms

Loss rate: 0.00%

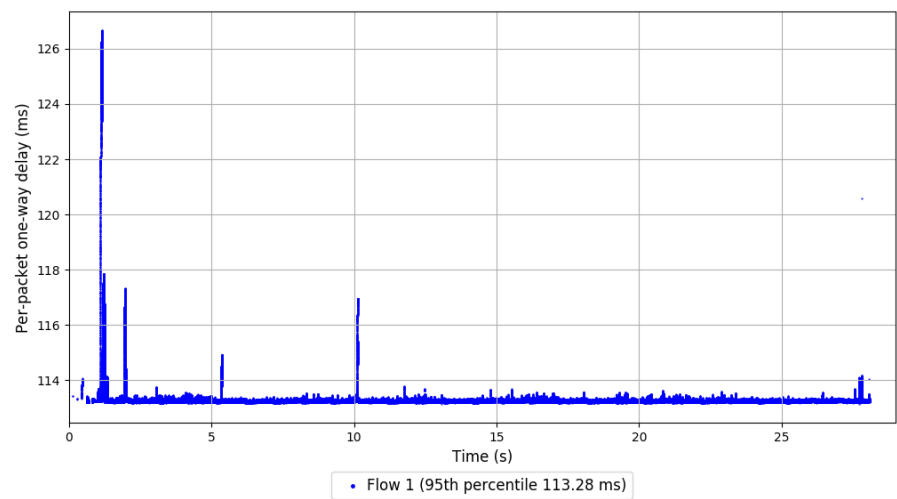
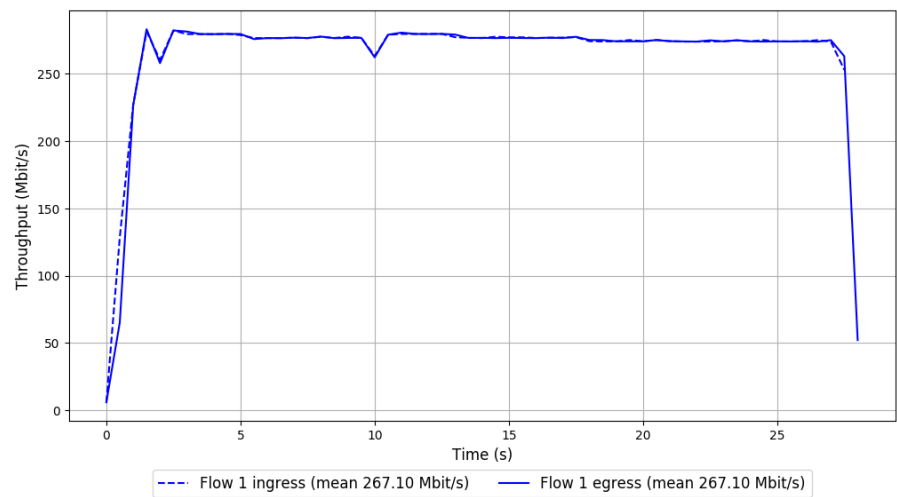
-- Flow 1:

Average throughput: 267.10 Mbit/s

95th percentile per-packet one-way delay: 113.282 ms

Loss rate: 0.00%

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

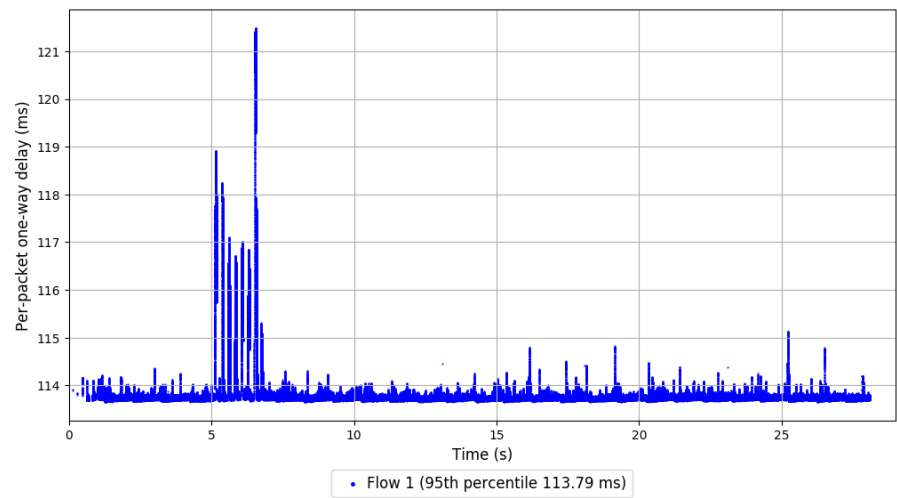
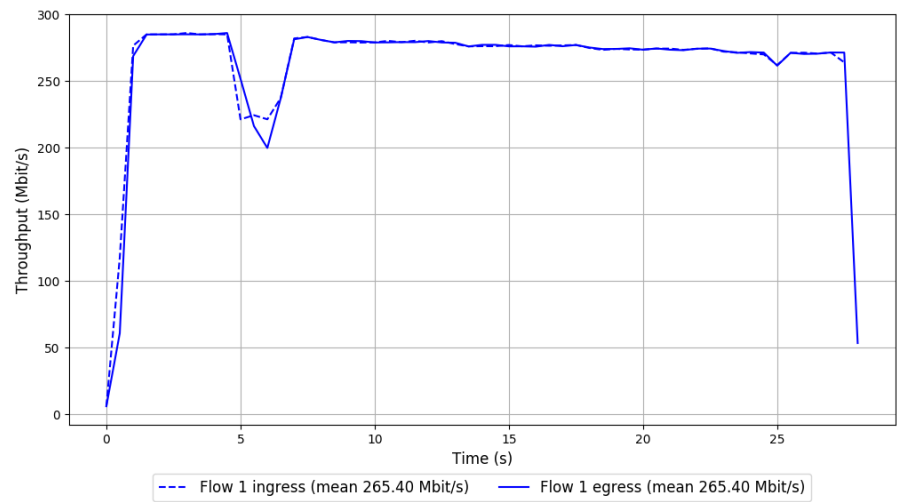


Run 2: Statistics of TaoVA-100x

Start at: 2017-09-21 12:40:00
End at: 2017-09-21 12:40:31
Local clock offset: -0.091 ms
Remote clock offset: 23.346 ms

Below is generated by plot.py at 2017-09-21 16:05:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.40 Mbit/s
95th percentile per-packet one-way delay: 113.790 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 265.40 Mbit/s
95th percentile per-packet one-way delay: 113.790 ms
Loss rate: 0.01%

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

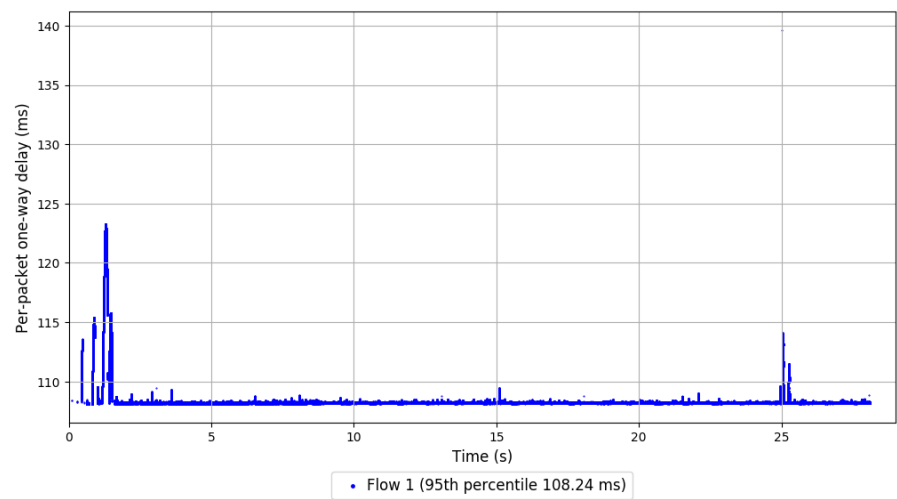
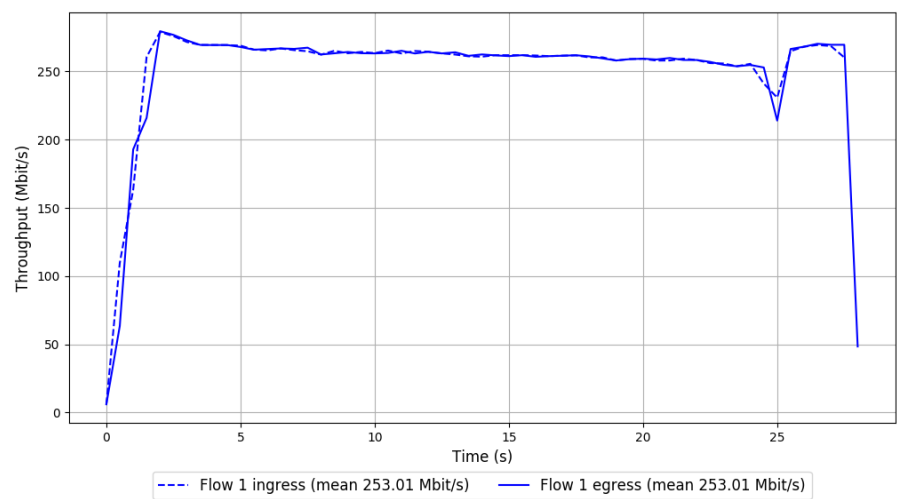


Run 3: Statistics of TaoVA-100x

Start at: 2017-09-21 12:58:04
End at: 2017-09-21 12:58:34
Local clock offset: -0.129 ms
Remote clock offset: 19.774 ms

Below is generated by plot.py at 2017-09-21 16:05:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 253.01 Mbit/s
95th percentile per-packet one-way delay: 108.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 253.01 Mbit/s
95th percentile per-packet one-way delay: 108.242 ms
Loss rate: 0.00%

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

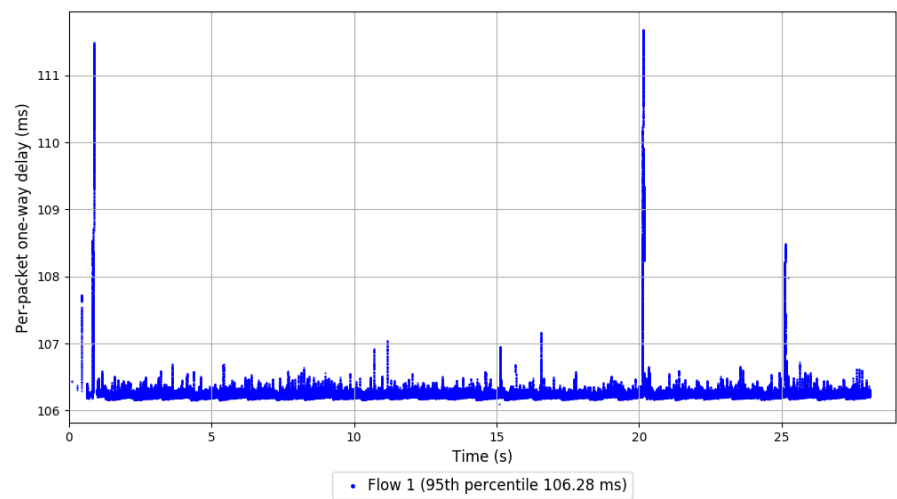
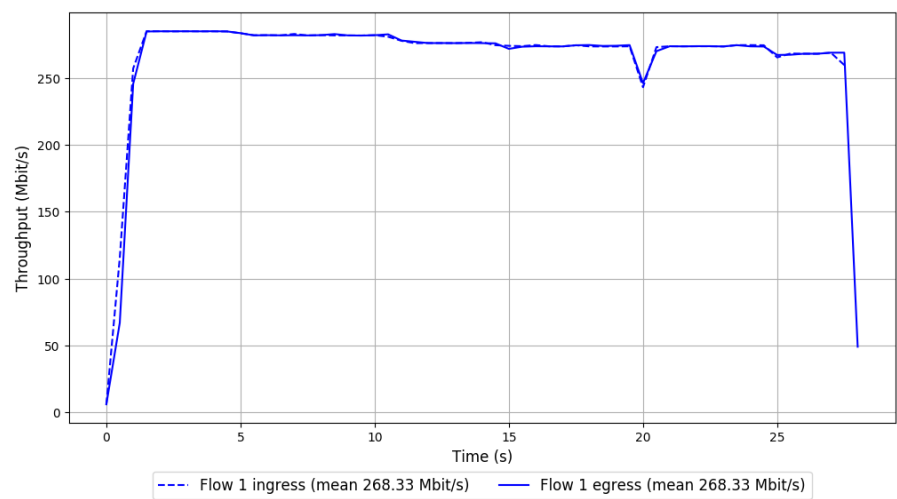


Run 4: Statistics of TaoVA-100x

Start at: 2017-09-21 13:16:27
End at: 2017-09-21 13:16:57
Local clock offset: -0.063 ms
Remote clock offset: 17.059 ms

Below is generated by plot.py at 2017-09-21 16:05:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 268.33 Mbit/s
95th percentile per-packet one-way delay: 106.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 268.33 Mbit/s
95th percentile per-packet one-way delay: 106.279 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-09-21 13:34:34

End at: 2017-09-21 13:35:04

Local clock offset: 0.006 ms

Remote clock offset: 19.995 ms

Below is generated by plot.py at 2017-09-21 16:05:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.37 Mbit/s

95th percentile per-packet one-way delay: 109.160 ms

Loss rate: 0.00%

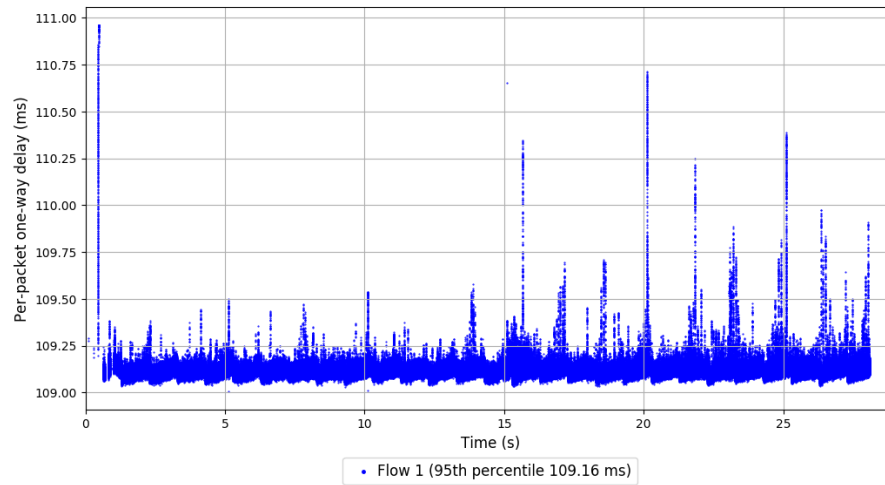
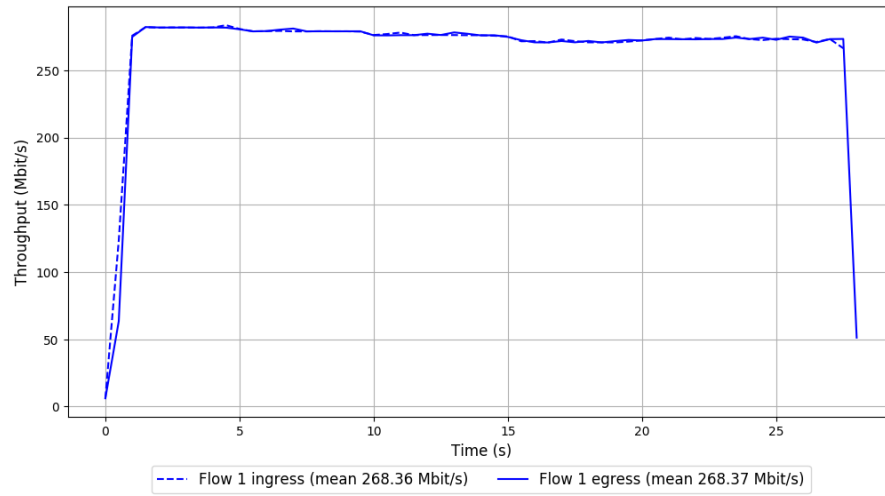
-- Flow 1:

Average throughput: 268.37 Mbit/s

95th percentile per-packet one-way delay: 109.160 ms

Loss rate: 0.00%

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

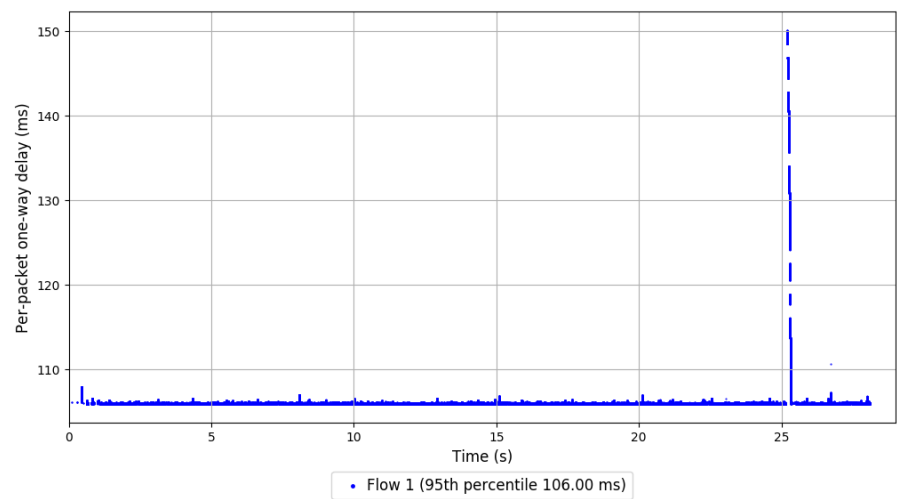
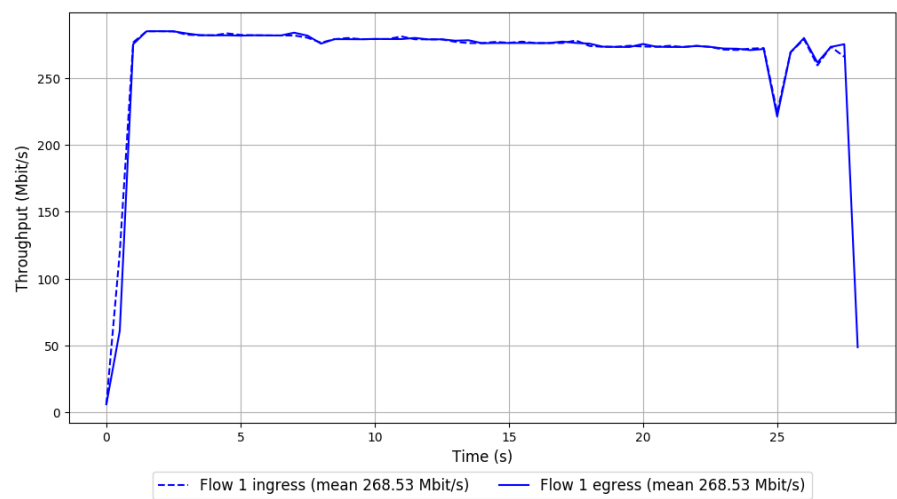


Run 6: Statistics of TaoVA-100x

Start at: 2017-09-21 13:52:59
End at: 2017-09-21 13:53:29
Local clock offset: -0.026 ms
Remote clock offset: 17.057 ms

Below is generated by plot.py at 2017-09-21 16:05:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 268.53 Mbit/s
95th percentile per-packet one-way delay: 106.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 268.53 Mbit/s
95th percentile per-packet one-way delay: 106.000 ms
Loss rate: 0.00%

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

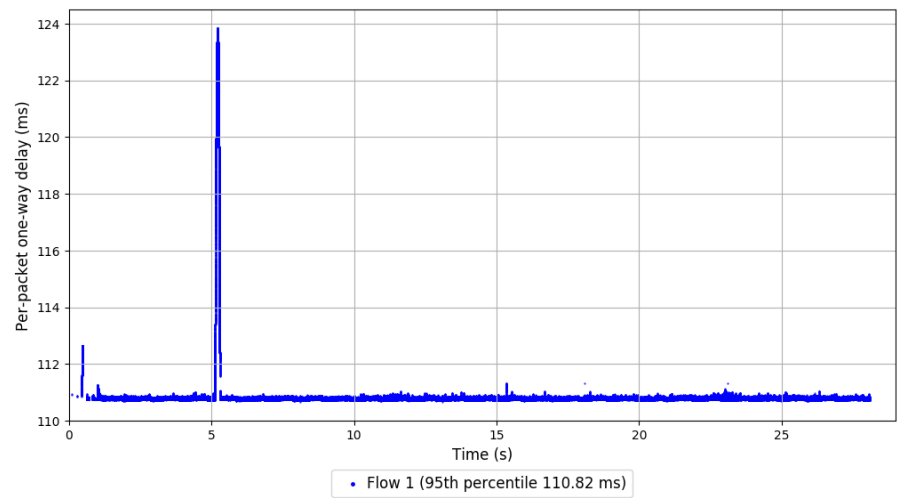
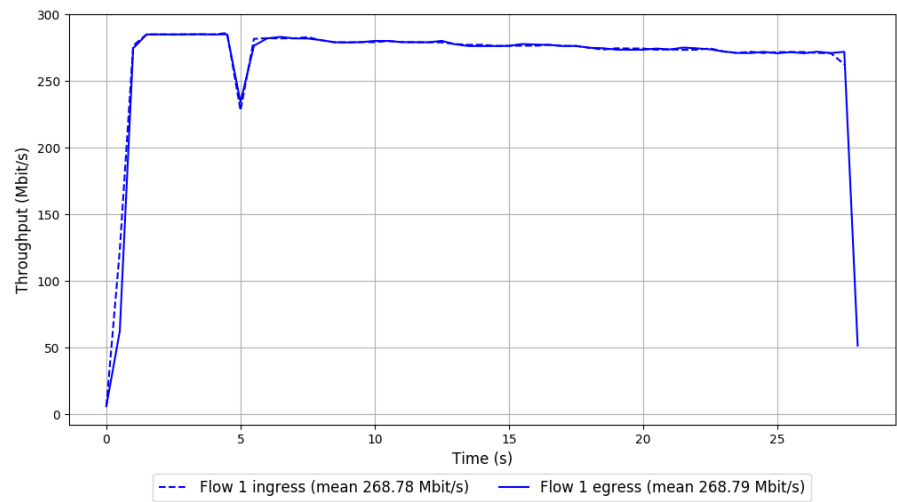


Run 7: Statistics of TaoVA-100x

Start at: 2017-09-21 14:11:14
End at: 2017-09-21 14:11:44
Local clock offset: 0.053 ms
Remote clock offset: 21.743 ms

Below is generated by plot.py at 2017-09-21 16:07:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 268.79 Mbit/s
95th percentile per-packet one-way delay: 110.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 268.79 Mbit/s
95th percentile per-packet one-way delay: 110.823 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2017-09-21 14:29:52

End at: 2017-09-21 14:30:22

Local clock offset: 0.112 ms

Remote clock offset: 16.807 ms

Below is generated by plot.py at 2017-09-21 16:07:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.88 Mbit/s

95th percentile per-packet one-way delay: 107.579 ms

Loss rate: 0.01%

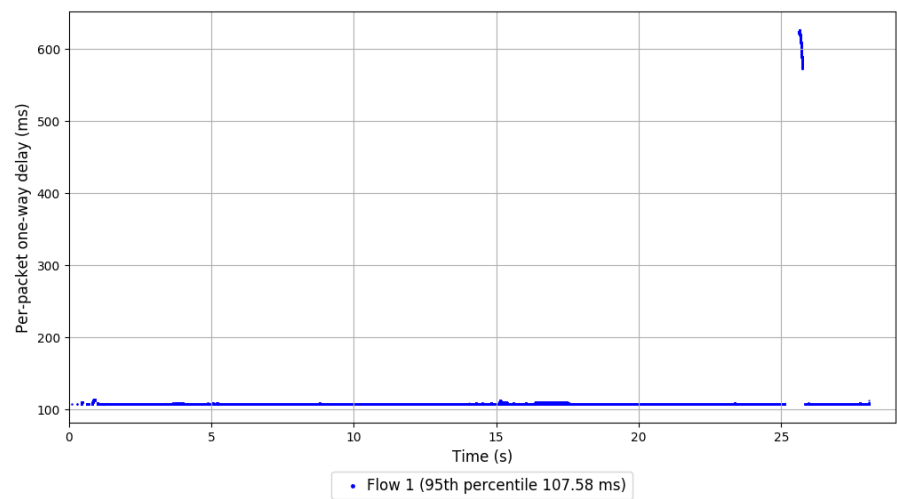
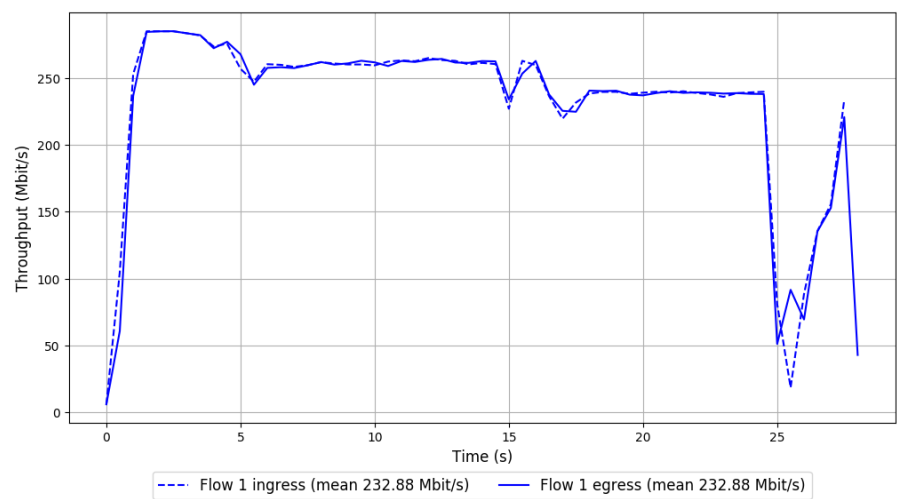
-- Flow 1:

Average throughput: 232.88 Mbit/s

95th percentile per-packet one-way delay: 107.579 ms

Loss rate: 0.01%

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

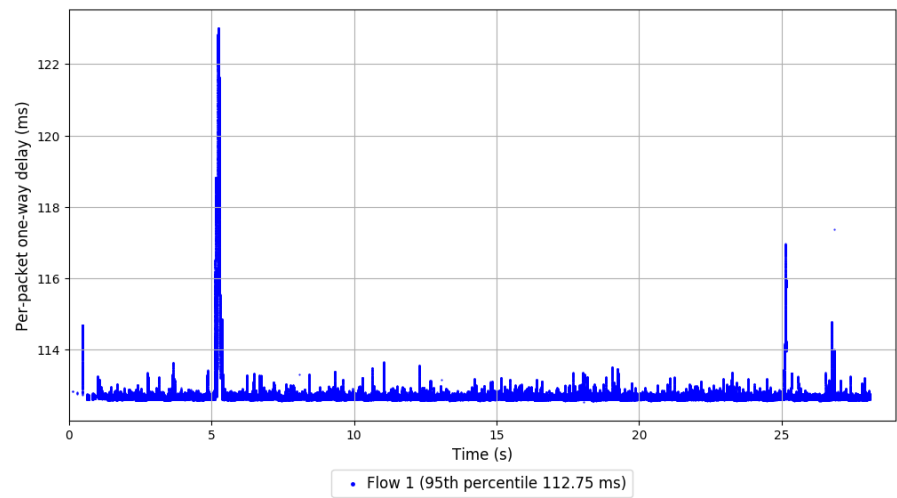
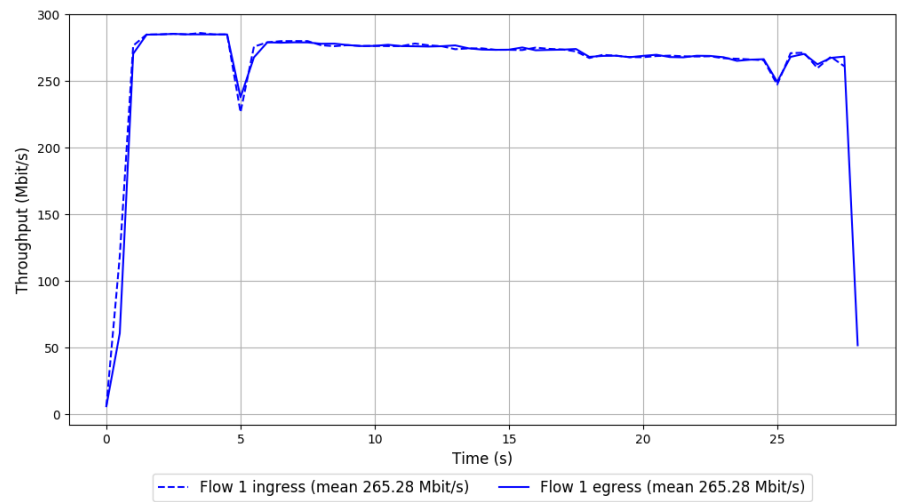


Run 9: Statistics of TaoVA-100x

Start at: 2017-09-21 14:48:01
End at: 2017-09-21 14:48:31
Local clock offset: 0.119 ms
Remote clock offset: 22.378 ms

Below is generated by plot.py at 2017-09-21 16:11:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.28 Mbit/s
95th percentile per-packet one-way delay: 112.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 265.28 Mbit/s
95th percentile per-packet one-way delay: 112.747 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-09-21 15:06:29

End at: 2017-09-21 15:06:59

Local clock offset: 0.049 ms

Remote clock offset: 22.695 ms

Below is generated by plot.py at 2017-09-21 16:11:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.94 Mbit/s

95th percentile per-packet one-way delay: 110.503 ms

Loss rate: 0.00%

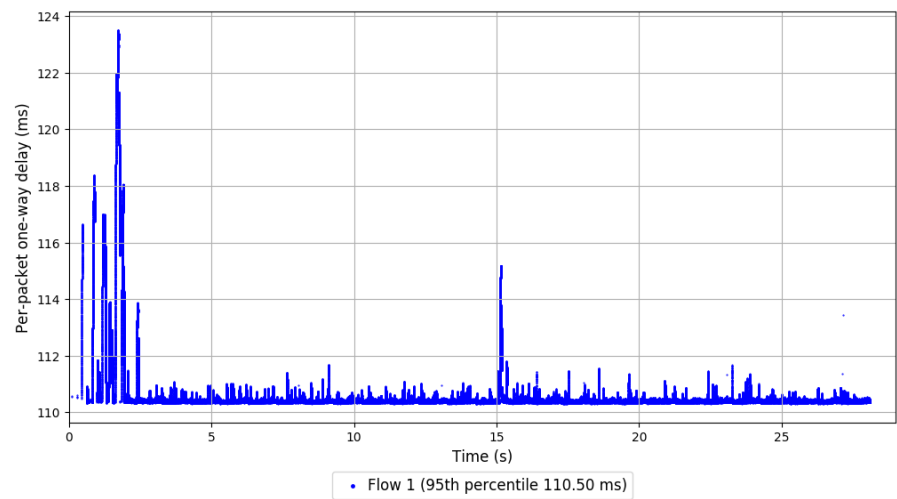
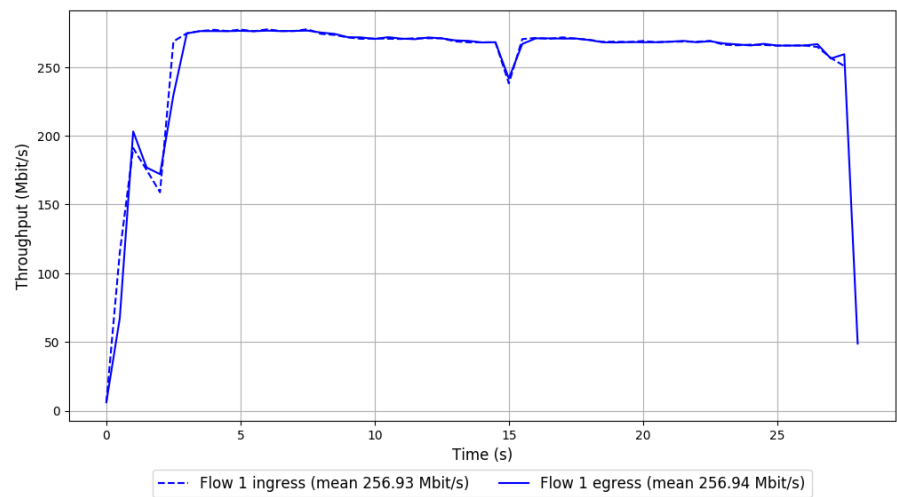
-- Flow 1:

Average throughput: 256.94 Mbit/s

95th percentile per-packet one-way delay: 110.503 ms

Loss rate: 0.00%

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

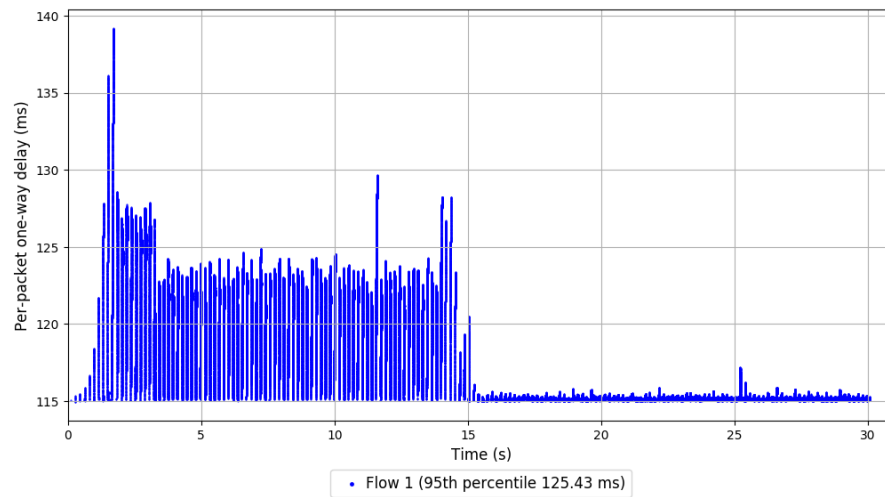
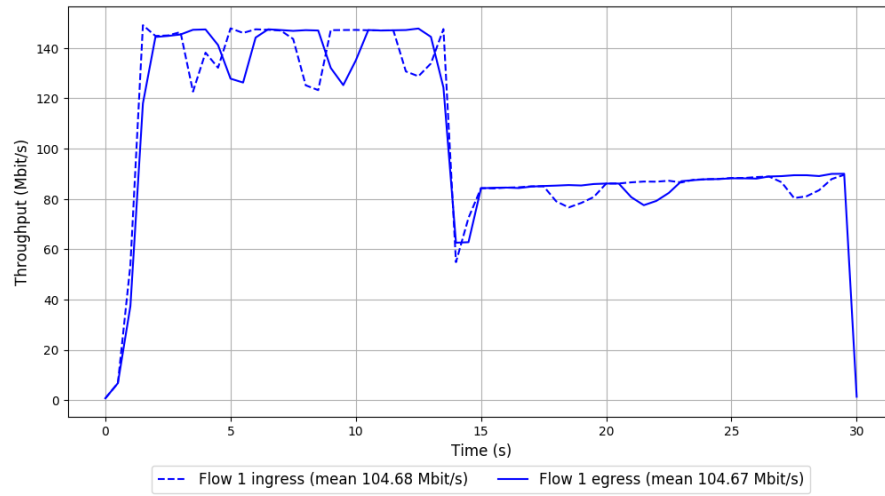


Run 1: Statistics of TCP Vegas

Start at: 2017-09-21 12:28:35
End at: 2017-09-21 12:29:05
Local clock offset: -0.107 ms
Remote clock offset: 25.096 ms

Below is generated by plot.py at 2017-09-21 16:11:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.67 Mbit/s
95th percentile per-packet one-way delay: 125.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.67 Mbit/s
95th percentile per-packet one-way delay: 125.427 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

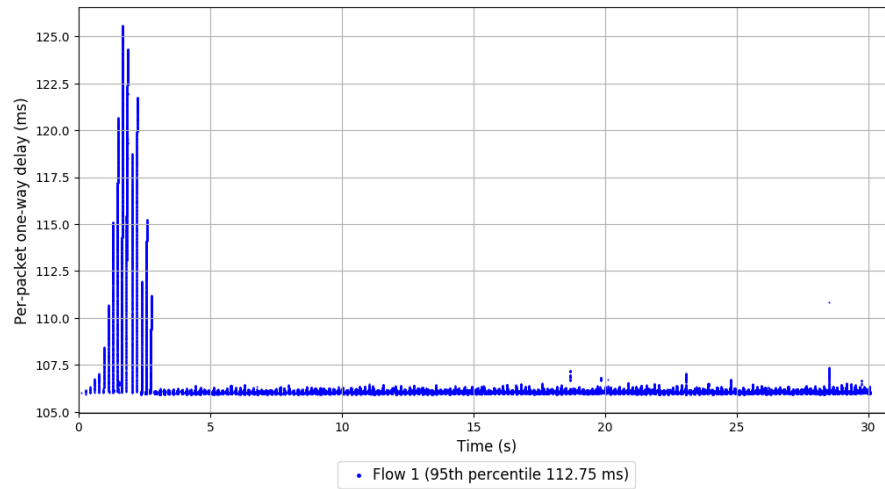
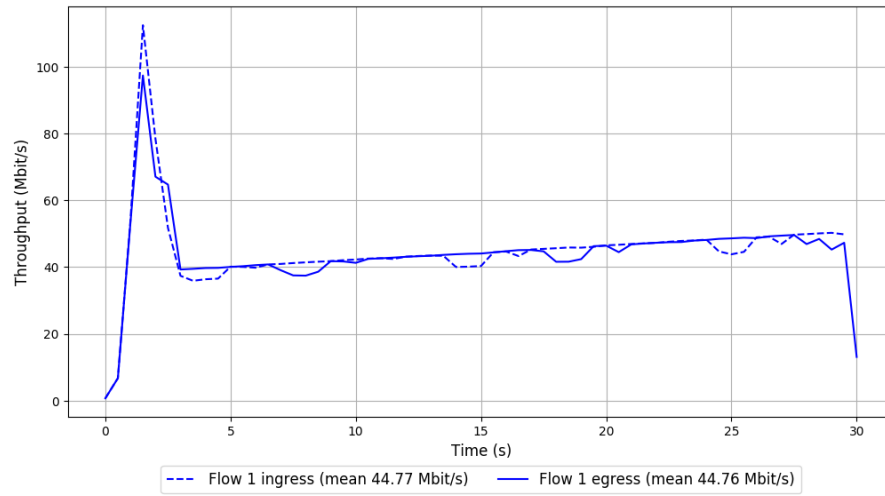


Run 2: Statistics of TCP Vegas

Start at: 2017-09-21 12:46:40
End at: 2017-09-21 12:47:10
Local clock offset: -0.085 ms
Remote clock offset: 16.024 ms

Below is generated by plot.py at 2017-09-21 16:11:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.76 Mbit/s
95th percentile per-packet one-way delay: 112.748 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 44.76 Mbit/s
95th percentile per-packet one-way delay: 112.748 ms
Loss rate: 0.04%

Run 2: Report of TCP Vegas — Data Link

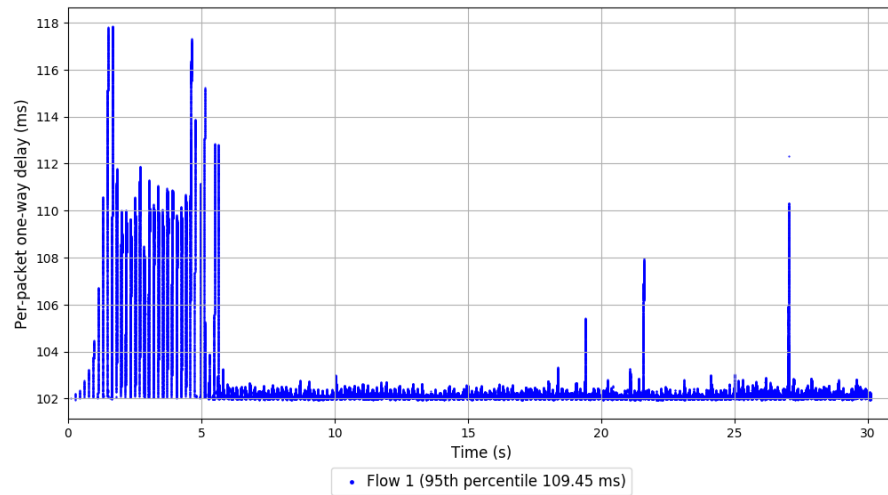
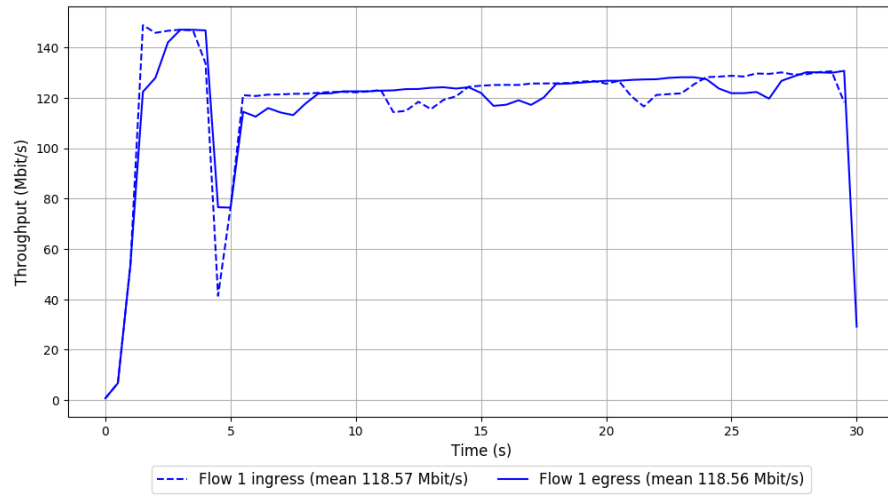


Run 3: Statistics of TCP Vegas

Start at: 2017-09-21 13:04:45
End at: 2017-09-21 13:05:15
Local clock offset: -0.128 ms
Remote clock offset: 12.998 ms

Below is generated by plot.py at 2017-09-21 16:11:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 118.56 Mbit/s
95th percentile per-packet one-way delay: 109.451 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 118.56 Mbit/s
95th percentile per-packet one-way delay: 109.451 ms
Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link

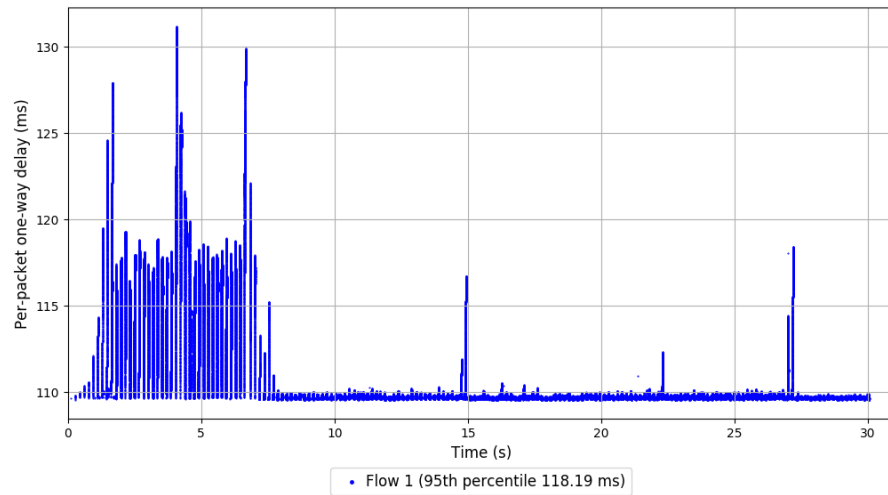
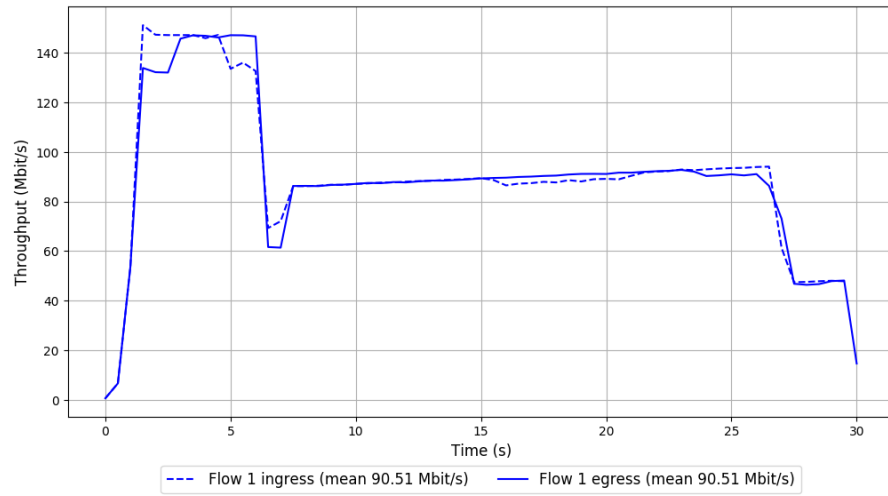


Run 4: Statistics of TCP Vegas

Start at: 2017-09-21 13:23:07
End at: 2017-09-21 13:23:37
Local clock offset: -0.042 ms
Remote clock offset: 20.683 ms

Below is generated by plot.py at 2017-09-21 16:11:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 118.192 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 118.192 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

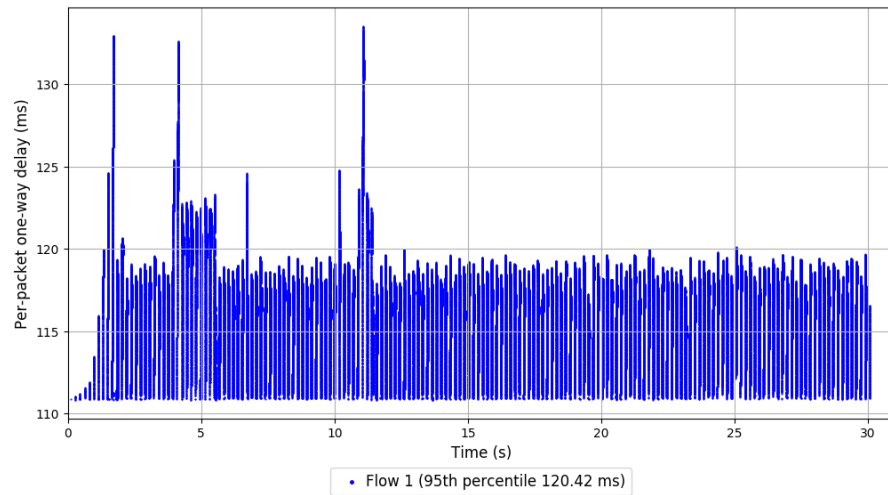
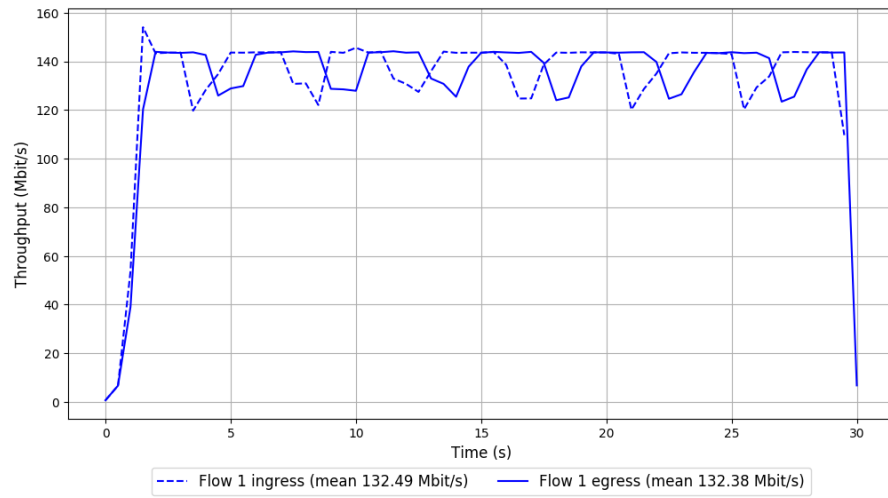


Run 5: Statistics of TCP Vegas

Start at: 2017-09-21 13:41:23
End at: 2017-09-21 13:41:53
Local clock offset: -0.064 ms
Remote clock offset: 20.086 ms

Below is generated by plot.py at 2017-09-21 16:11:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.38 Mbit/s
95th percentile per-packet one-way delay: 120.425 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 132.38 Mbit/s
95th percentile per-packet one-way delay: 120.425 ms
Loss rate: 0.09%

Run 5: Report of TCP Vegas — Data Link

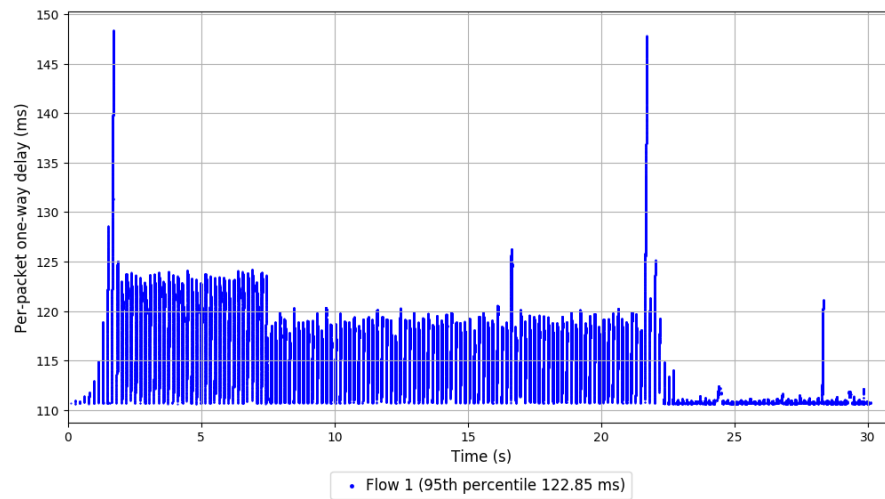
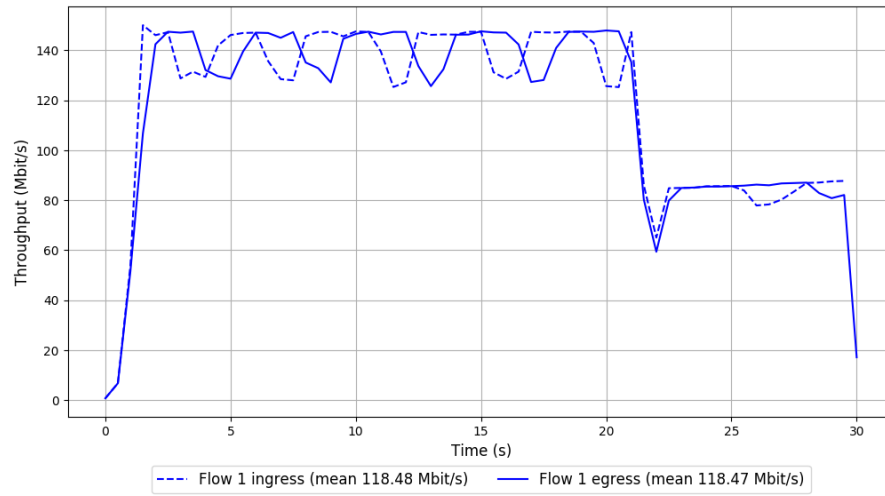


Run 6: Statistics of TCP Vegas

Start at: 2017-09-21 13:59:41
End at: 2017-09-21 14:00:11
Local clock offset: -0.004 ms
Remote clock offset: 20.125 ms

Below is generated by plot.py at 2017-09-21 16:11:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 118.47 Mbit/s
95th percentile per-packet one-way delay: 122.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 118.47 Mbit/s
95th percentile per-packet one-way delay: 122.847 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

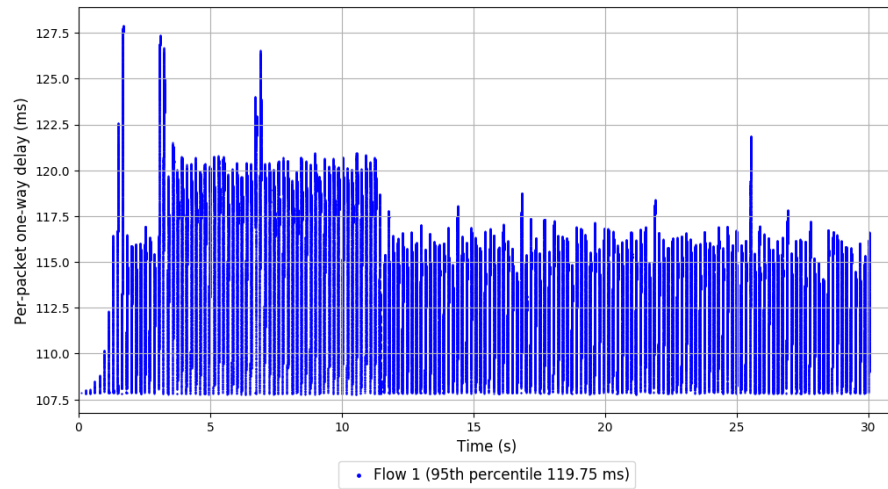
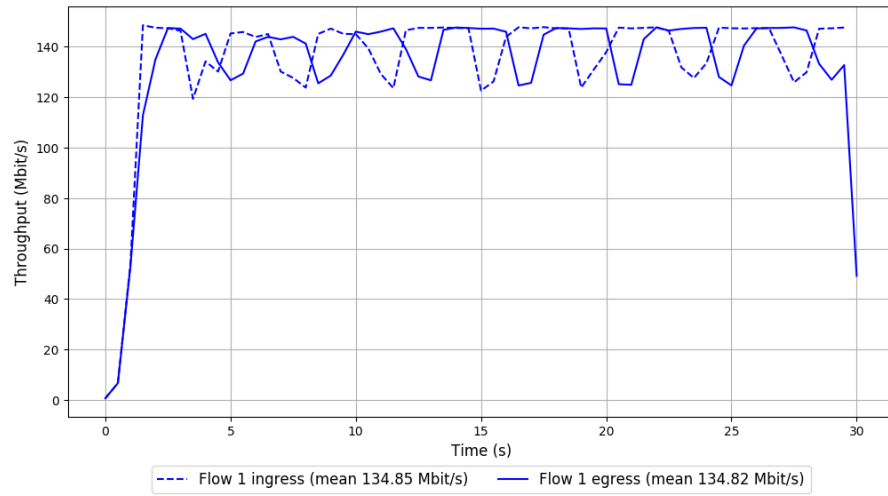


Run 7: Statistics of TCP Vegas

Start at: 2017-09-21 14:18:17
End at: 2017-09-21 14:18:47
Local clock offset: 0.045 ms
Remote clock offset: 17.021 ms

Below is generated by plot.py at 2017-09-21 16:11:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.82 Mbit/s
95th percentile per-packet one-way delay: 119.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.82 Mbit/s
95th percentile per-packet one-way delay: 119.745 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-09-21 14:36:33

End at: 2017-09-21 14:37:03

Local clock offset: 0.106 ms

Remote clock offset: 17.38 ms

Below is generated by plot.py at 2017-09-21 16:11:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.91 Mbit/s

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

Loss rate: 0.01%

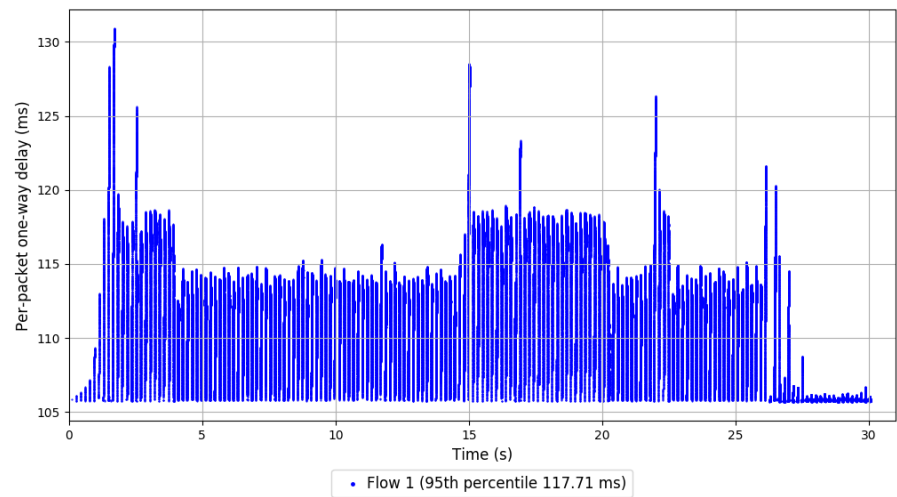
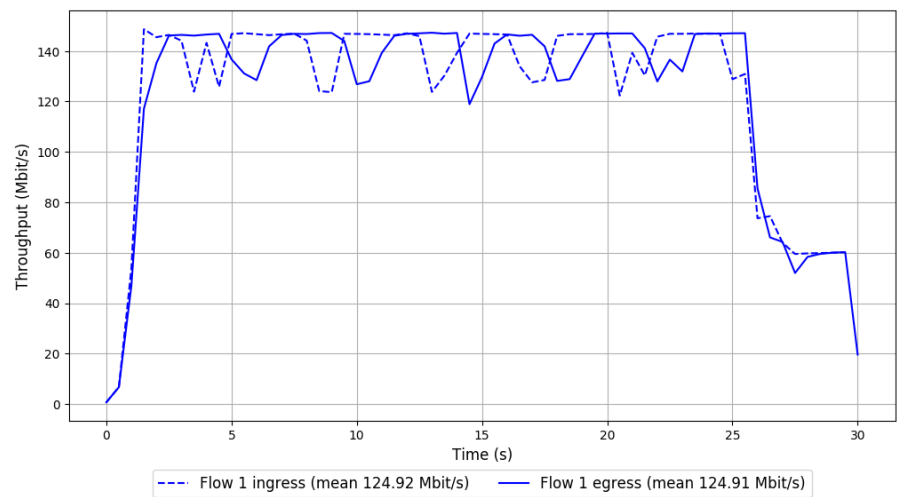
-- Flow 1:

Average throughput: 124.91 Mbit/s

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

Loss rate: 0.01%

Run 8: Report of TCP Vegas — Data Link

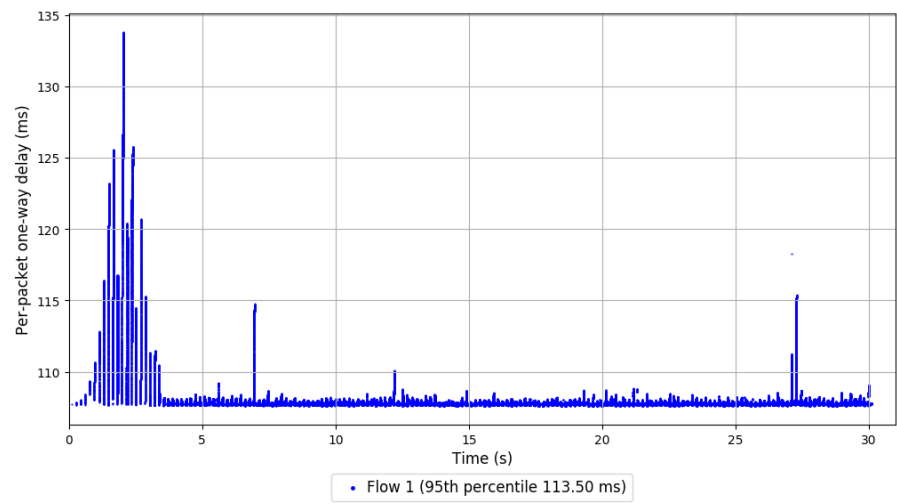
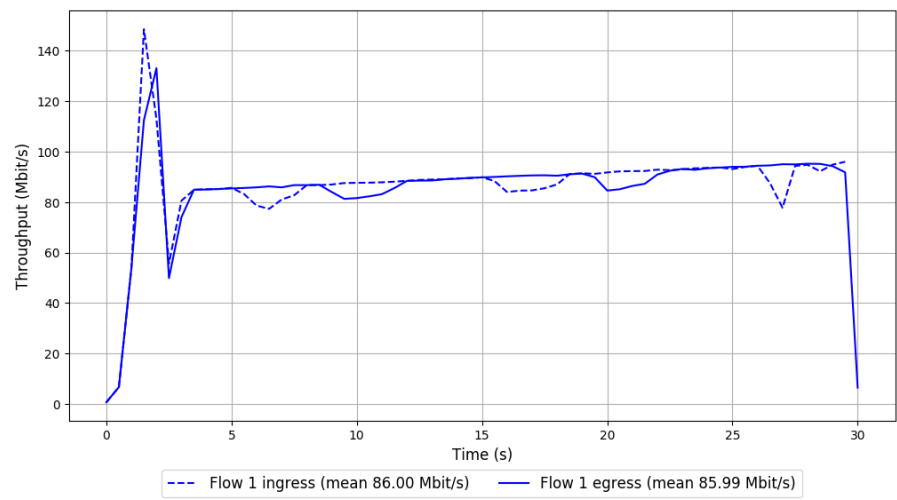


Run 9: Statistics of TCP Vegas

Start at: 2017-09-21 14:54:49
End at: 2017-09-21 14:55:19
Local clock offset: 0.119 ms
Remote clock offset: 17.748 ms

Below is generated by plot.py at 2017-09-21 16:11:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 113.497 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 113.497 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

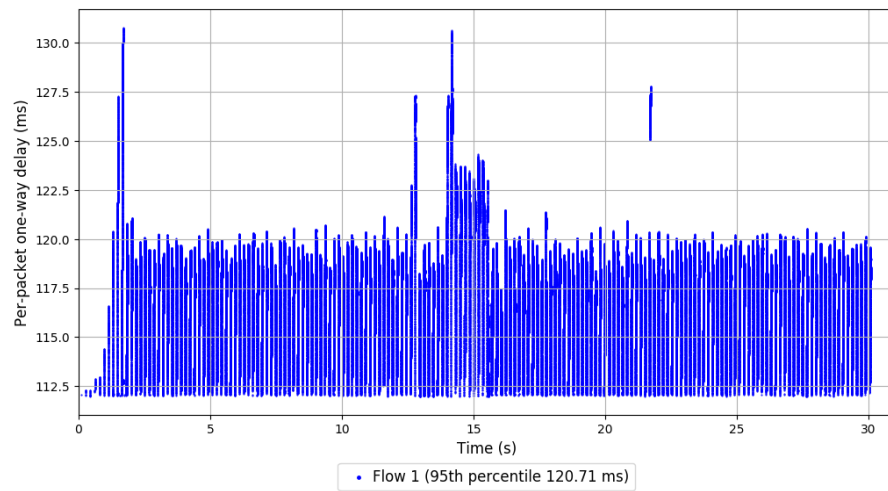
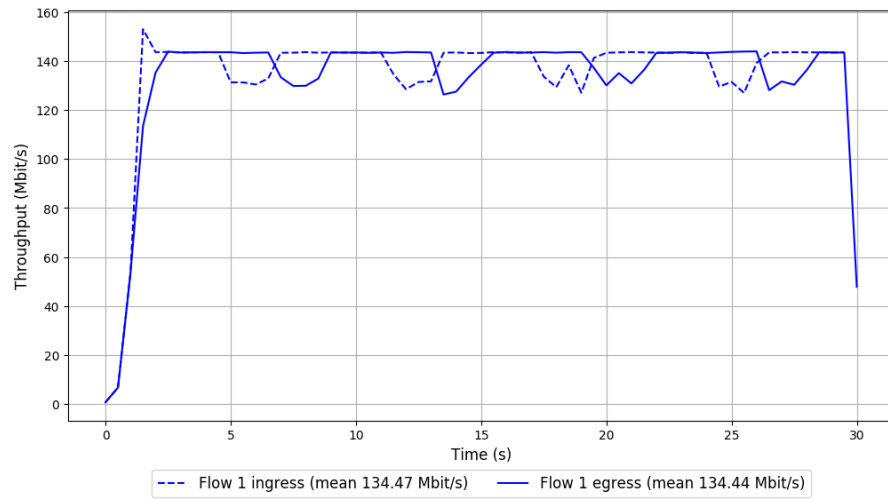


Run 10: Statistics of TCP Vegas

Start at: 2017-09-21 15:13:17
End at: 2017-09-21 15:13:47
Local clock offset: 0.109 ms
Remote clock offset: 22.758 ms

Below is generated by plot.py at 2017-09-21 16:11:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.44 Mbit/s
95th percentile per-packet one-way delay: 120.714 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.44 Mbit/s
95th percentile per-packet one-way delay: 120.714 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

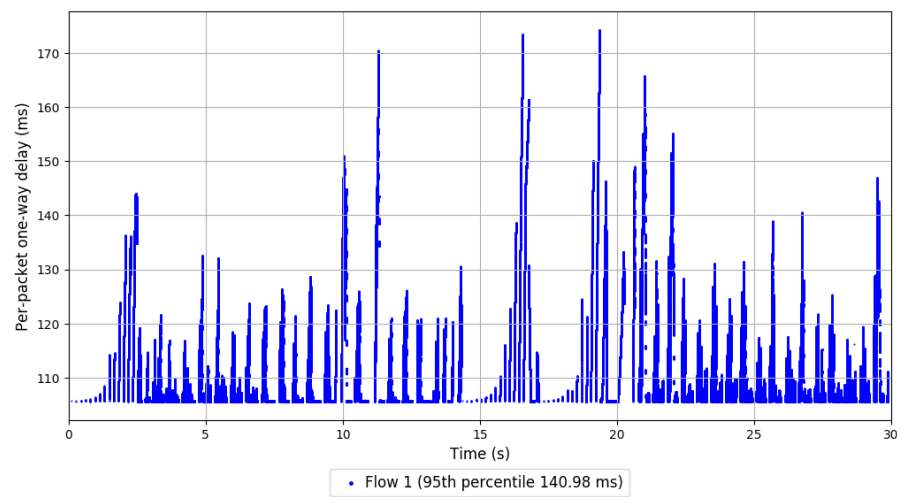
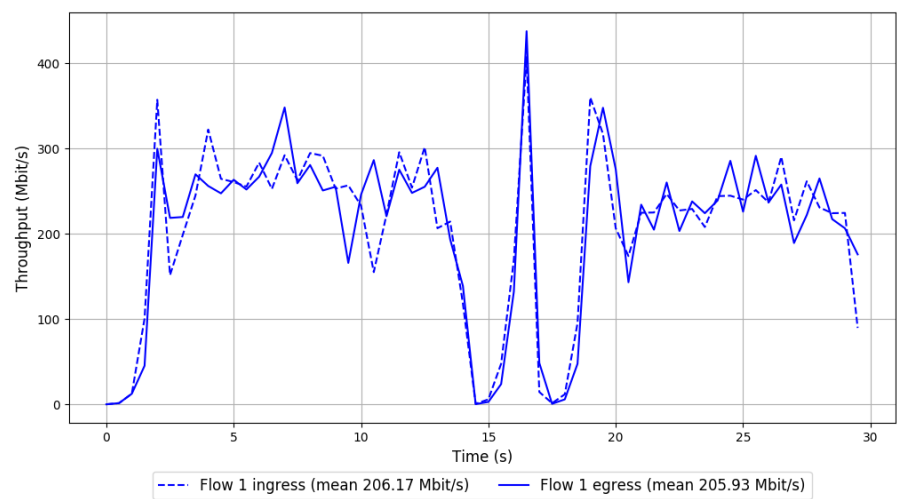


Run 1: Statistics of Verus

Start at: 2017-09-21 12:23:27
End at: 2017-09-21 12:23:57
Local clock offset: -0.094 ms
Remote clock offset: 15.593 ms

Below is generated by plot.py at 2017-09-21 16:11:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.93 Mbit/s
95th percentile per-packet one-way delay: 140.978 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 205.93 Mbit/s
95th percentile per-packet one-way delay: 140.978 ms
Loss rate: 0.11%

Run 1: Report of Verus — Data Link

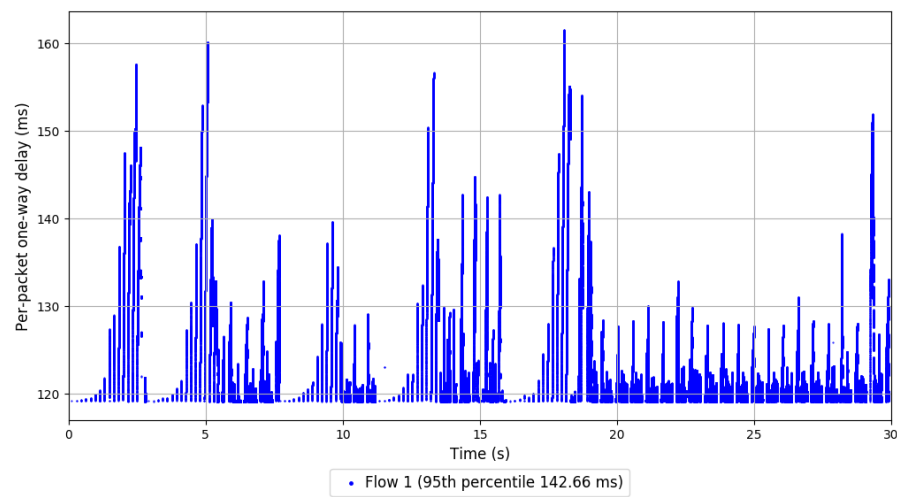
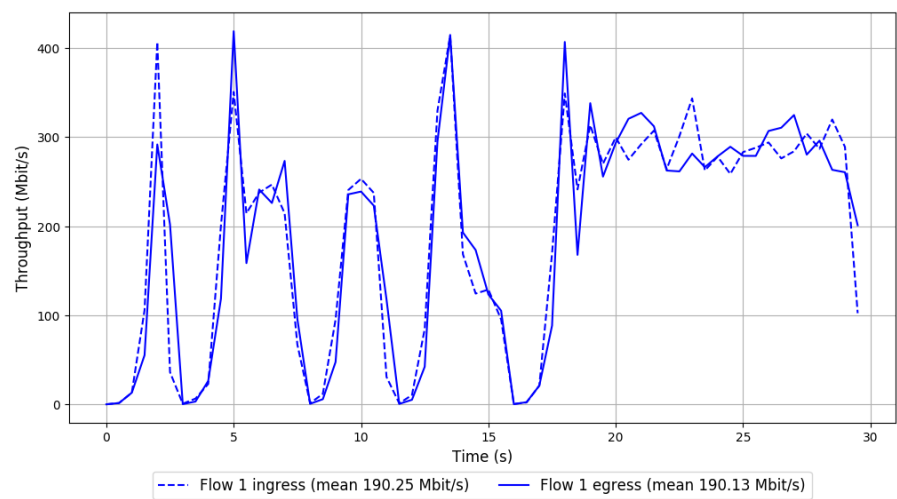


Run 2: Statistics of Verus

Start at: 2017-09-21 12:41:33
End at: 2017-09-21 12:42:03
Local clock offset: -0.103 ms
Remote clock offset: 28.932 ms

Below is generated by plot.py at 2017-09-21 16:11:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.13 Mbit/s
95th percentile per-packet one-way delay: 142.665 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 190.13 Mbit/s
95th percentile per-packet one-way delay: 142.665 ms
Loss rate: 0.06%

Run 2: Report of Verus — Data Link

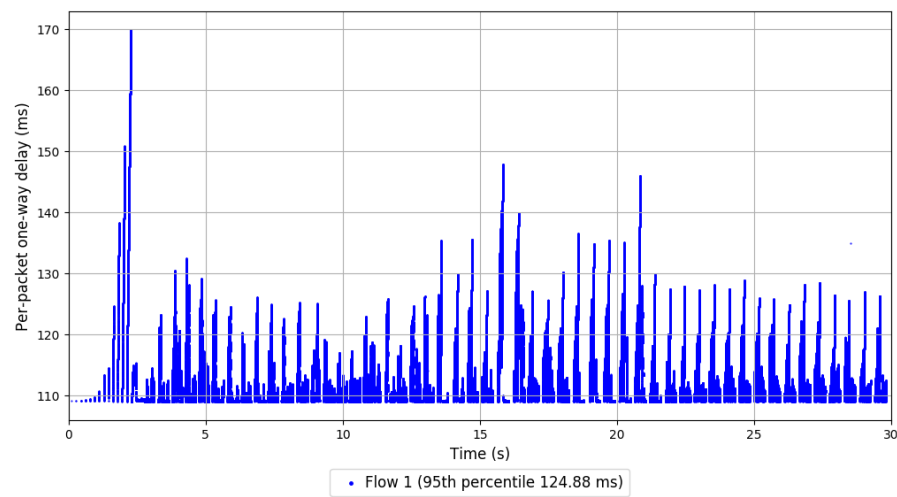
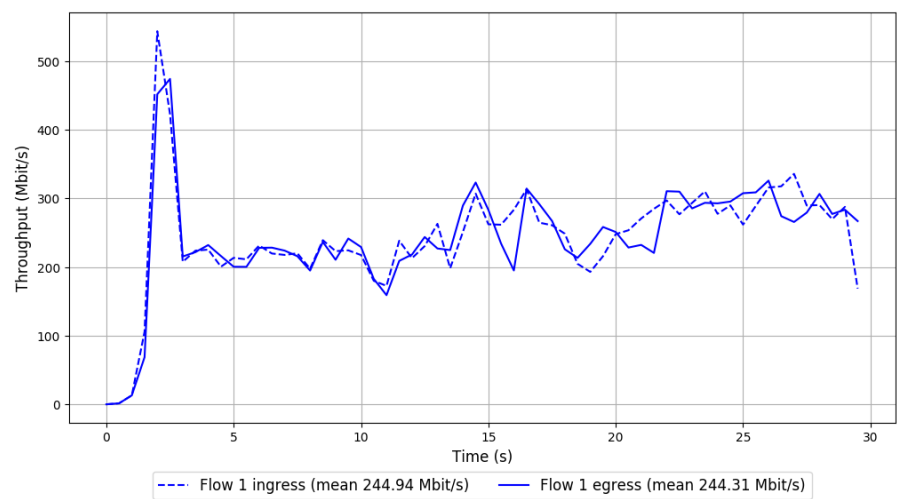


Run 3: Statistics of Verus

Start at: 2017-09-21 12:59:35
End at: 2017-09-21 13:00:05
Local clock offset: -0.113 ms
Remote clock offset: 20.319 ms

Below is generated by plot.py at 2017-09-21 16:12:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 244.31 Mbit/s
95th percentile per-packet one-way delay: 124.881 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 244.31 Mbit/s
95th percentile per-packet one-way delay: 124.881 ms
Loss rate: 0.25%

Run 3: Report of Verus — Data Link

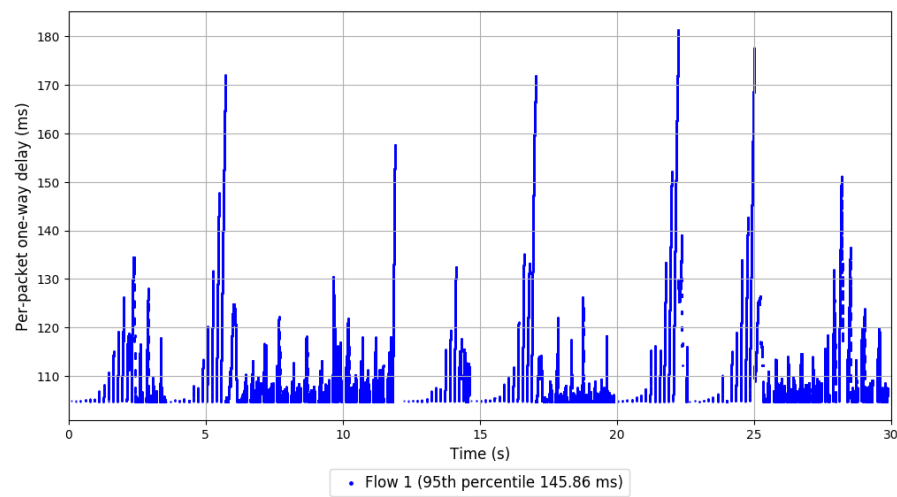
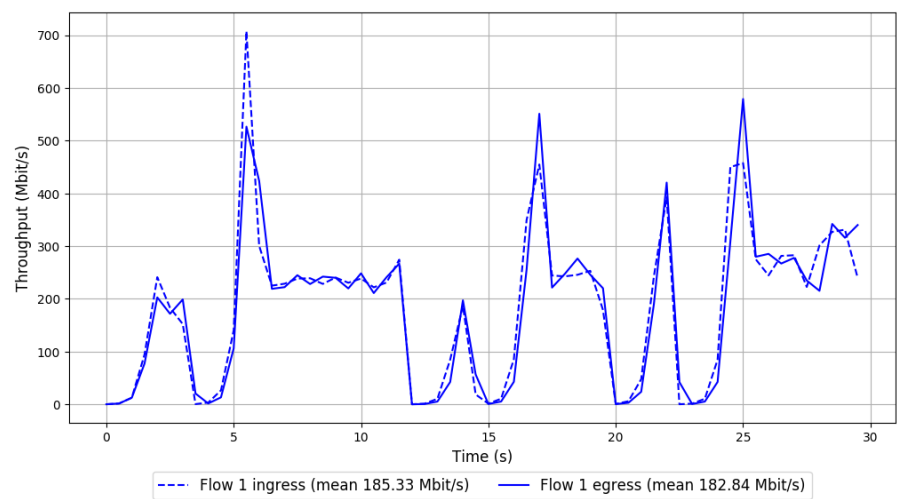


Run 4: Statistics of Verus

Start at: 2017-09-21 13:18:01
End at: 2017-09-21 13:18:31
Local clock offset: -0.13 ms
Remote clock offset: 15.573 ms

Below is generated by plot.py at 2017-09-21 16:12:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.84 Mbit/s
95th percentile per-packet one-way delay: 145.863 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 182.84 Mbit/s
95th percentile per-packet one-way delay: 145.863 ms
Loss rate: 1.33%

Run 4: Report of Verus — Data Link

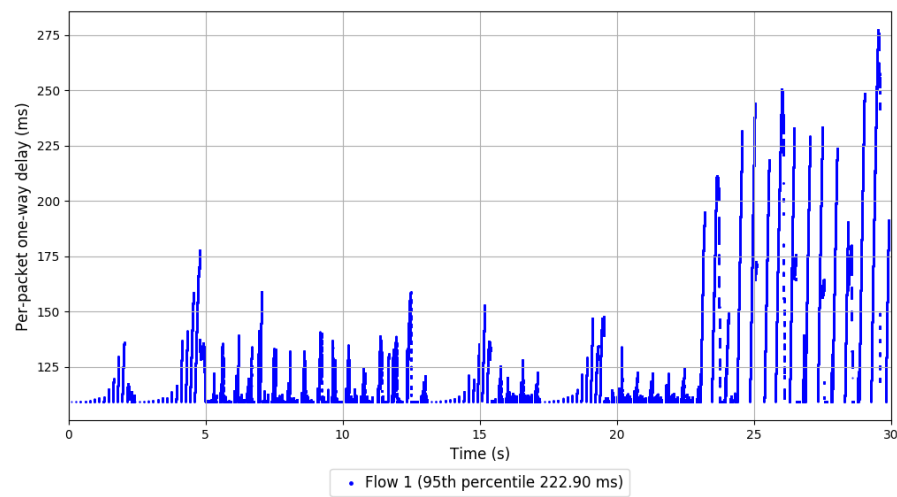
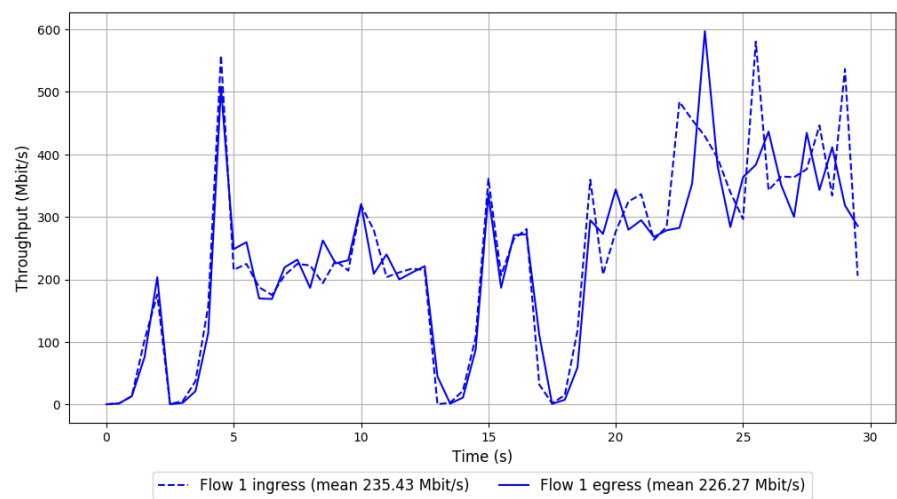


Run 5: Statistics of Verus

Start at: 2017-09-21 13:36:10
End at: 2017-09-21 13:36:40
Local clock offset: -0.017 ms
Remote clock offset: 20.288 ms

Below is generated by plot.py at 2017-09-21 16:12:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.27 Mbit/s
95th percentile per-packet one-way delay: 222.902 ms
Loss rate: 3.68%
-- Flow 1:
Average throughput: 226.27 Mbit/s
95th percentile per-packet one-way delay: 222.902 ms
Loss rate: 3.68%

Run 5: Report of Verus — Data Link

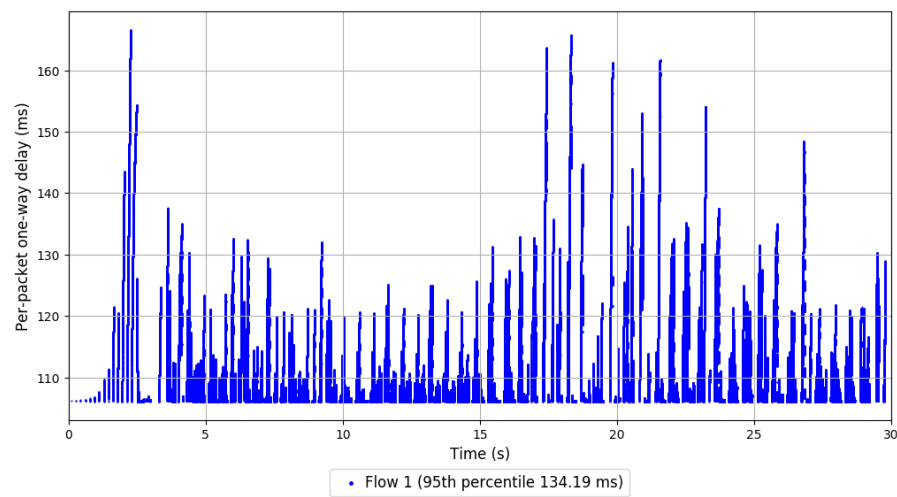
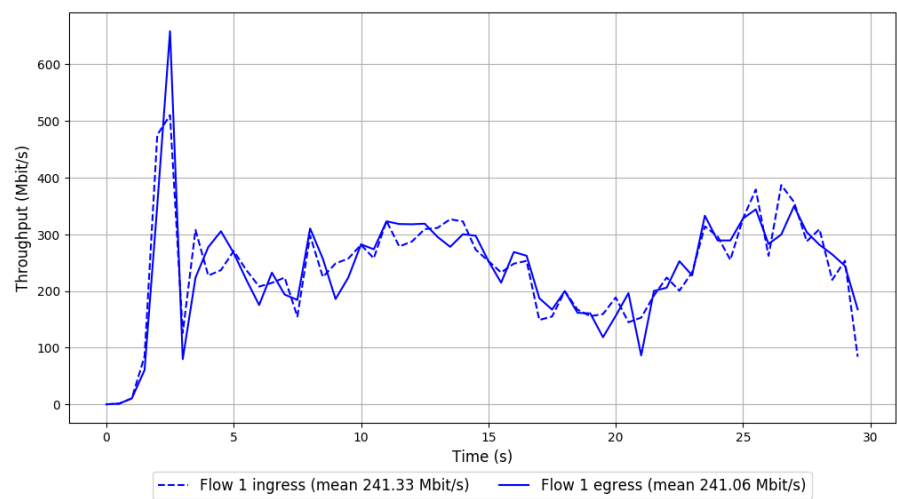


Run 6: Statistics of Verus

Start at: 2017-09-21 13:54:31
End at: 2017-09-21 13:55:01
Local clock offset: -0.016 ms
Remote clock offset: 16.997 ms

Below is generated by plot.py at 2017-09-21 16:13:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 241.06 Mbit/s
95th percentile per-packet one-way delay: 134.191 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 241.06 Mbit/s
95th percentile per-packet one-way delay: 134.191 ms
Loss rate: 0.07%

Run 6: Report of Verus — Data Link

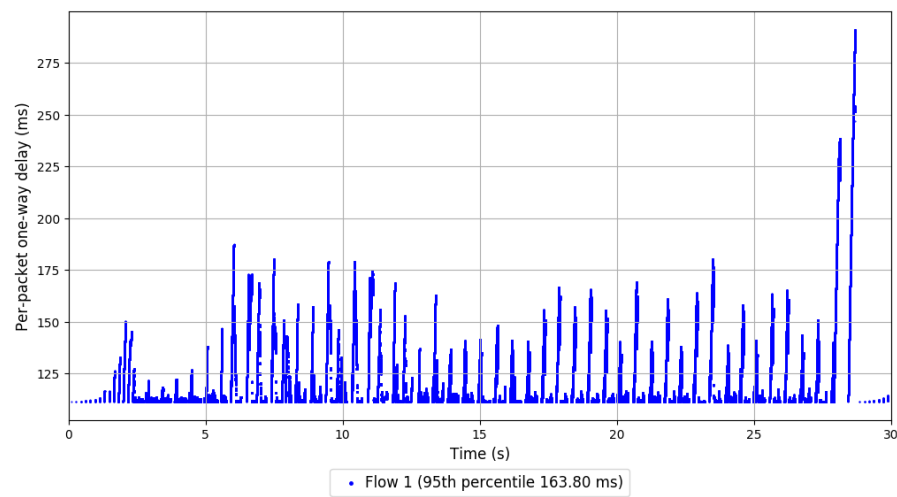
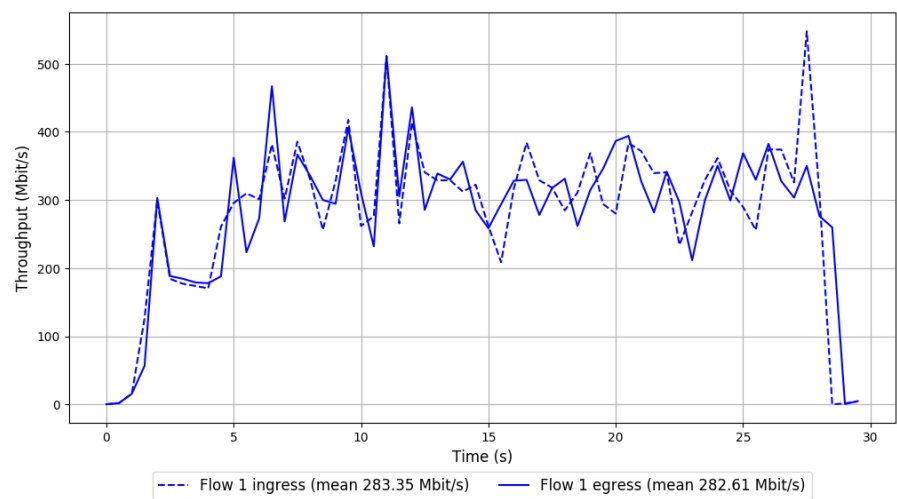


Run 7: Statistics of Verus

Start at: 2017-09-21 14:12:52
End at: 2017-09-21 14:13:22
Local clock offset: 0.127 ms
Remote clock offset: 20.926 ms

Below is generated by plot.py at 2017-09-21 16:15:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 282.61 Mbit/s
95th percentile per-packet one-way delay: 163.800 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 282.61 Mbit/s
95th percentile per-packet one-way delay: 163.800 ms
Loss rate: 0.25%

Run 7: Report of Verus — Data Link

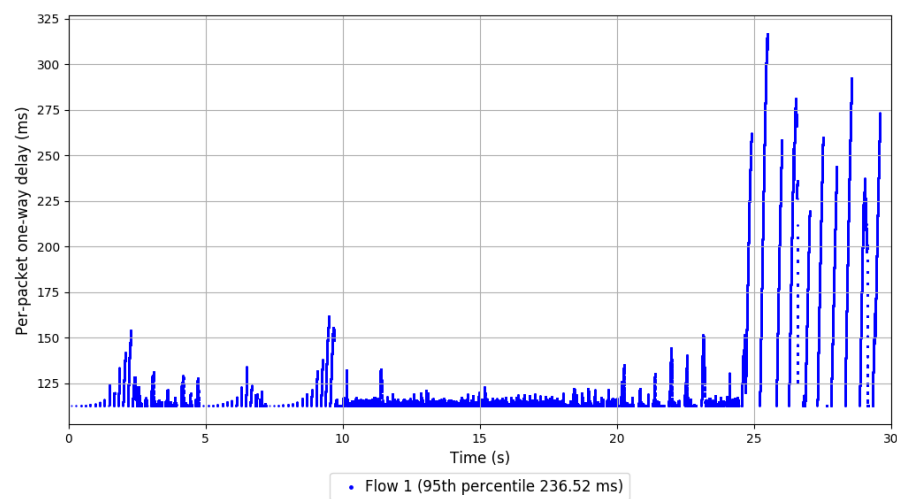
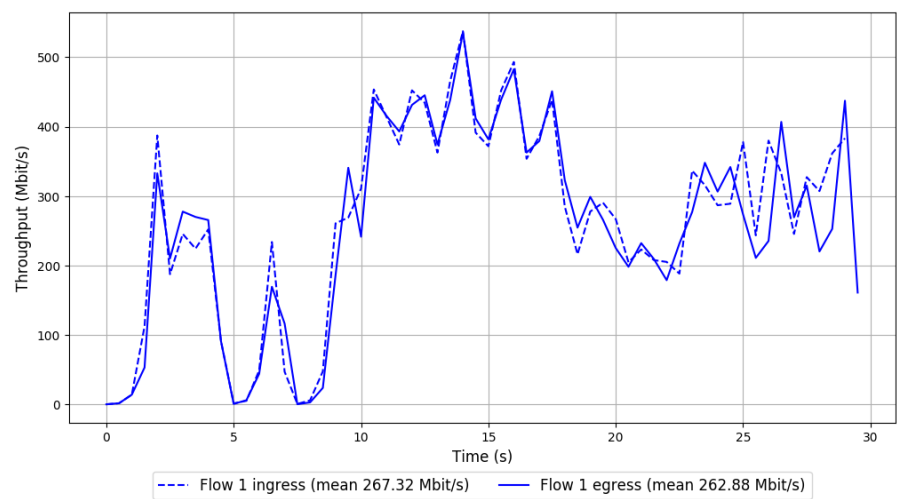


Run 8: Statistics of Verus

Start at: 2017-09-21 14:31:21
End at: 2017-09-21 14:31:51
Local clock offset: 0.122 ms
Remote clock offset: 21.339 ms

Below is generated by plot.py at 2017-09-21 16:15:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.88 Mbit/s
95th percentile per-packet one-way delay: 236.517 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 262.88 Mbit/s
95th percentile per-packet one-way delay: 236.517 ms
Loss rate: 1.12%

Run 8: Report of Verus — Data Link

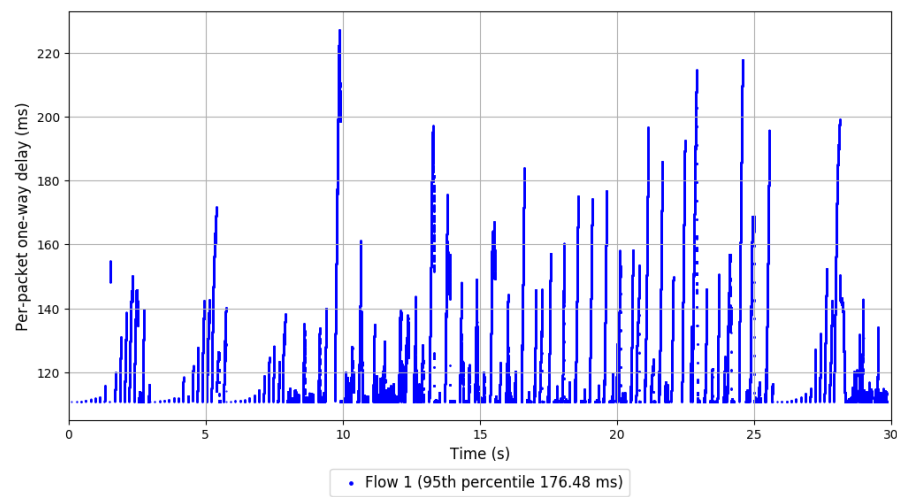
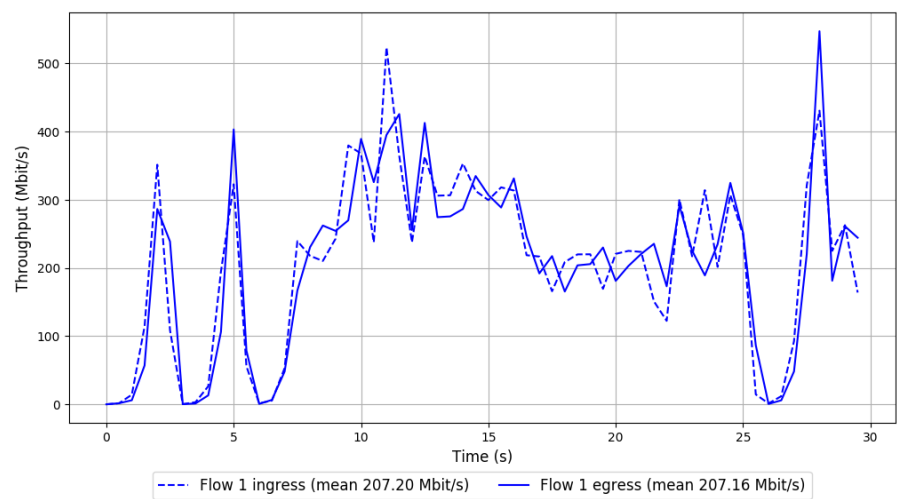


Run 9: Statistics of Verus

Start at: 2017-09-21 14:49:33
End at: 2017-09-21 14:50:03
Local clock offset: 0.116 ms
Remote clock offset: 20.656 ms

Below is generated by plot.py at 2017-09-21 16:15:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.16 Mbit/s
95th percentile per-packet one-way delay: 176.480 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 207.16 Mbit/s
95th percentile per-packet one-way delay: 176.480 ms
Loss rate: 0.02%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-09-21 15:08:04

End at: 2017-09-21 15:08:34

Local clock offset: 0.092 ms

Remote clock offset: 17.95 ms

Below is generated by plot.py at 2017-09-21 16:16:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 287.74 Mbit/s

95th percentile per-packet one-way delay: 139.720 ms

Loss rate: 0.49%

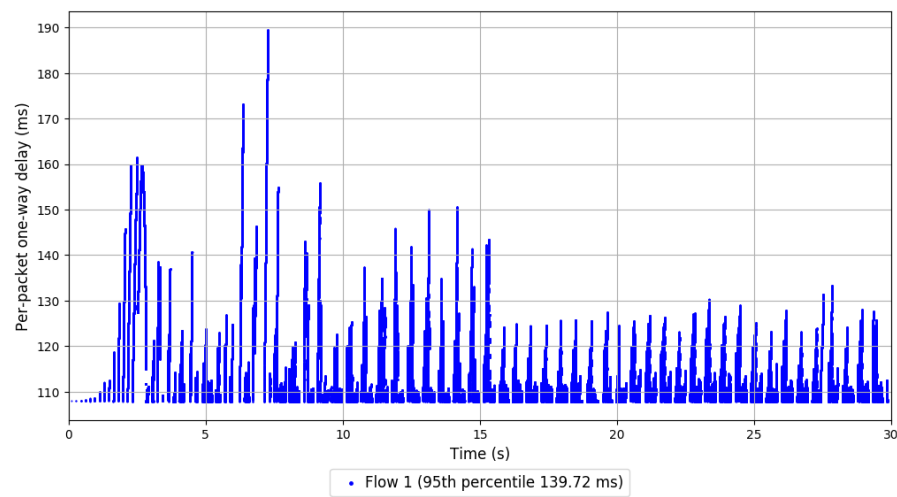
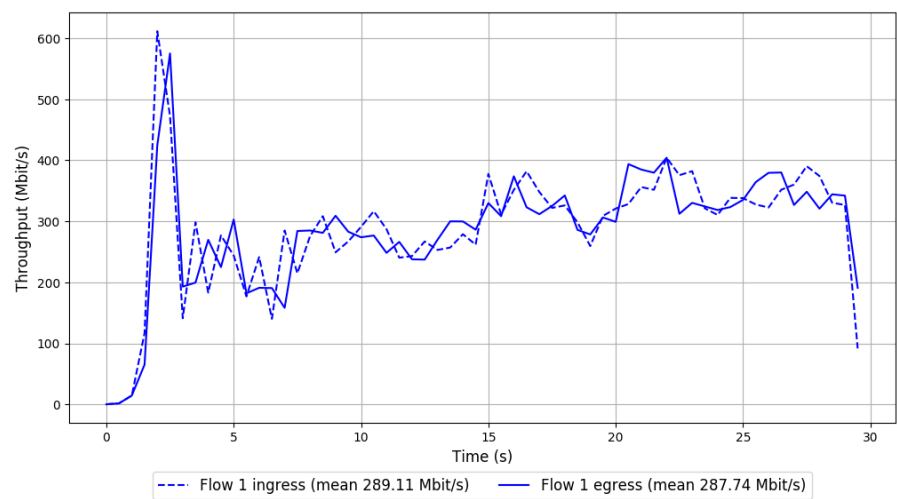
-- Flow 1:

Average throughput: 287.74 Mbit/s

95th percentile per-packet one-way delay: 139.720 ms

Loss rate: 0.49%

Run 10: Report of Verus — Data Link

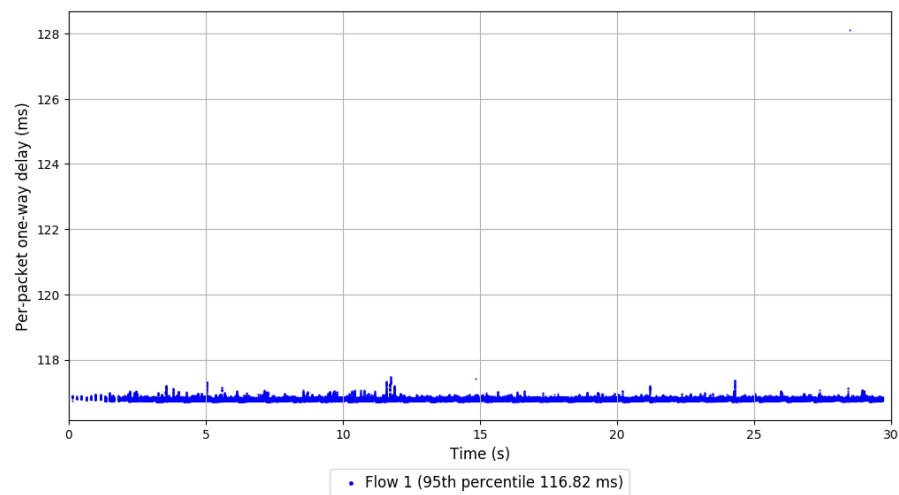
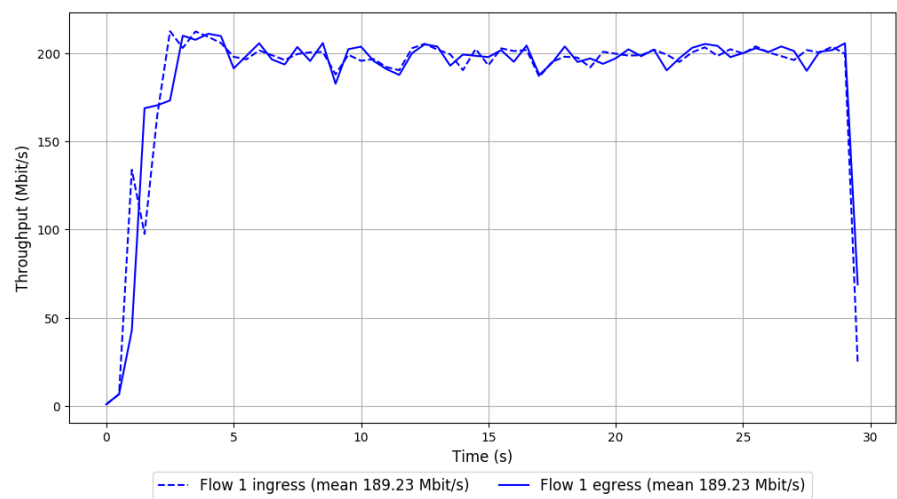


Run 1: Statistics of Indigo

Start at: 2017-09-21 12:27:13
End at: 2017-09-21 12:27:43
Local clock offset: -0.175 ms
Remote clock offset: 28.577 ms

Below is generated by plot.py at 2017-09-21 16:16:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.23 Mbit/s
95th percentile per-packet one-way delay: 116.820 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.23 Mbit/s
95th percentile per-packet one-way delay: 116.820 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

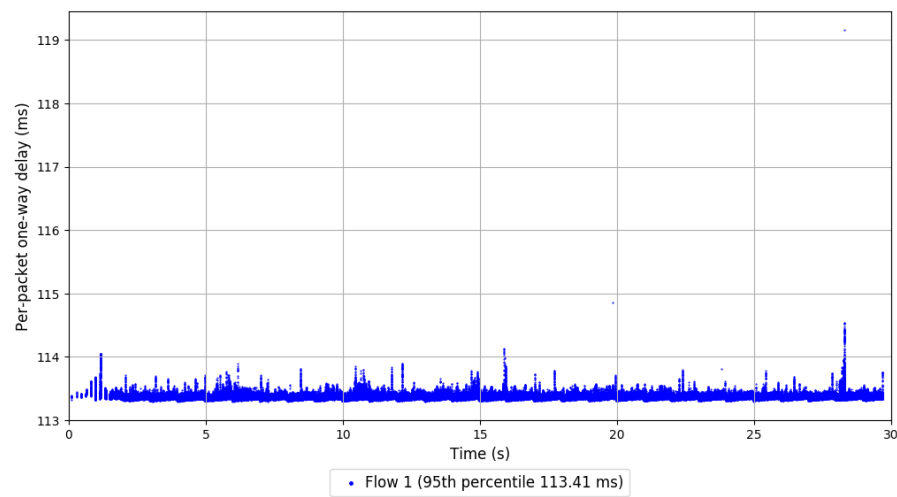
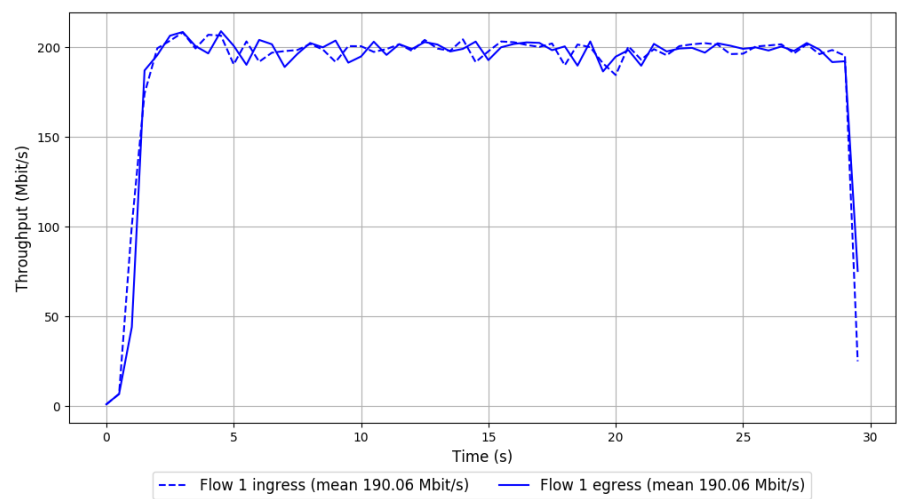


Run 2: Statistics of Indigo

Start at: 2017-09-21 12:45:17
End at: 2017-09-21 12:45:47
Local clock offset: -0.095 ms
Remote clock offset: 23.264 ms

Below is generated by plot.py at 2017-09-21 16:16:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.06 Mbit/s
95th percentile per-packet one-way delay: 113.413 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 190.06 Mbit/s
95th percentile per-packet one-way delay: 113.413 ms
Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-09-21 13:03:23

End at: 2017-09-21 13:03:53

Local clock offset: -0.121 ms

Remote clock offset: 14.06 ms

Below is generated by plot.py at 2017-09-21 16:16:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.63 Mbit/s

95th percentile per-packet one-way delay: 103.050 ms

Loss rate: 0.00%

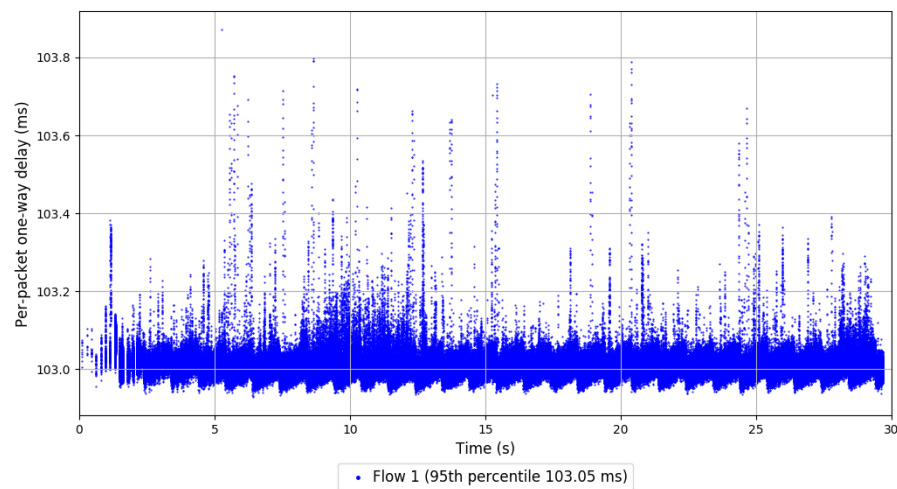
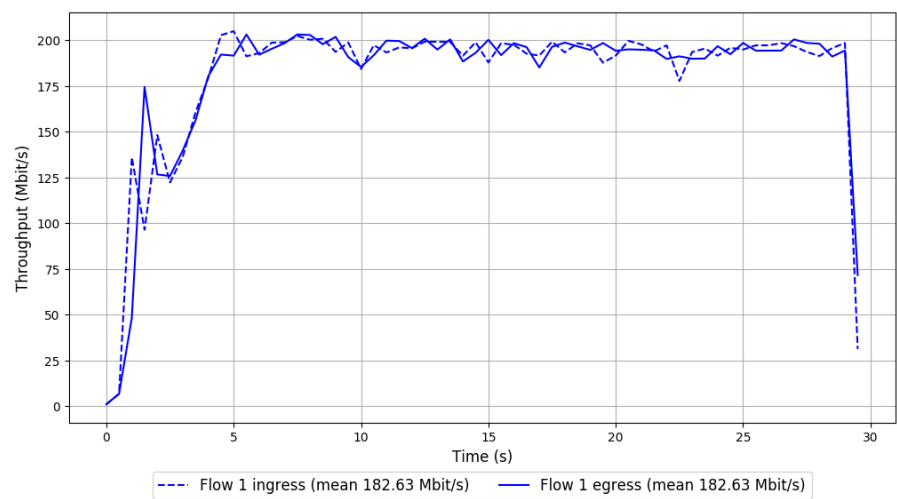
-- Flow 1:

Average throughput: 182.63 Mbit/s

95th percentile per-packet one-way delay: 103.050 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

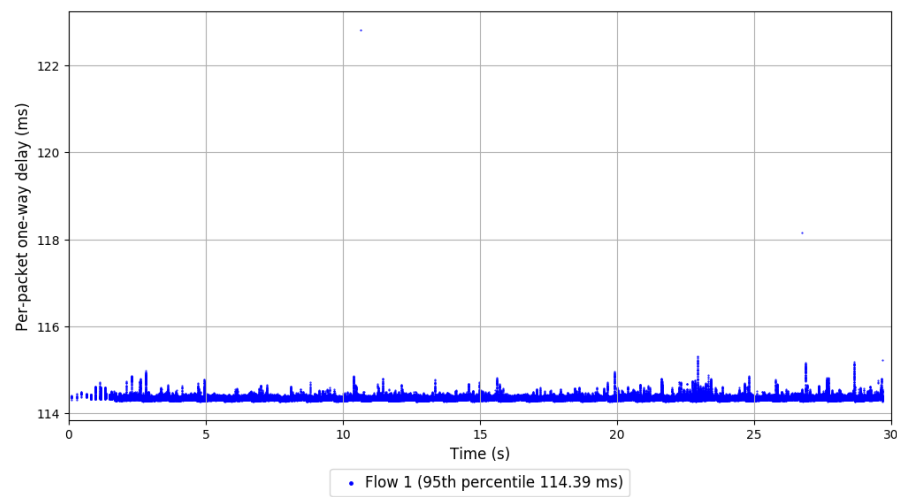
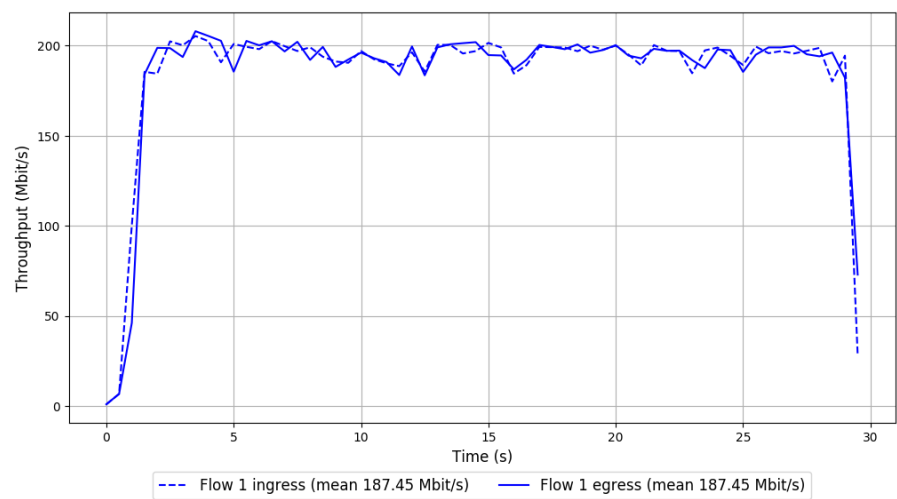


Run 4: Statistics of Indigo

Start at: 2017-09-21 13:21:45
End at: 2017-09-21 13:22:15
Local clock offset: -0.017 ms
Remote clock offset: 23.769 ms

Below is generated by plot.py at 2017-09-21 16:16:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.45 Mbit/s
95th percentile per-packet one-way delay: 114.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.45 Mbit/s
95th percentile per-packet one-way delay: 114.393 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

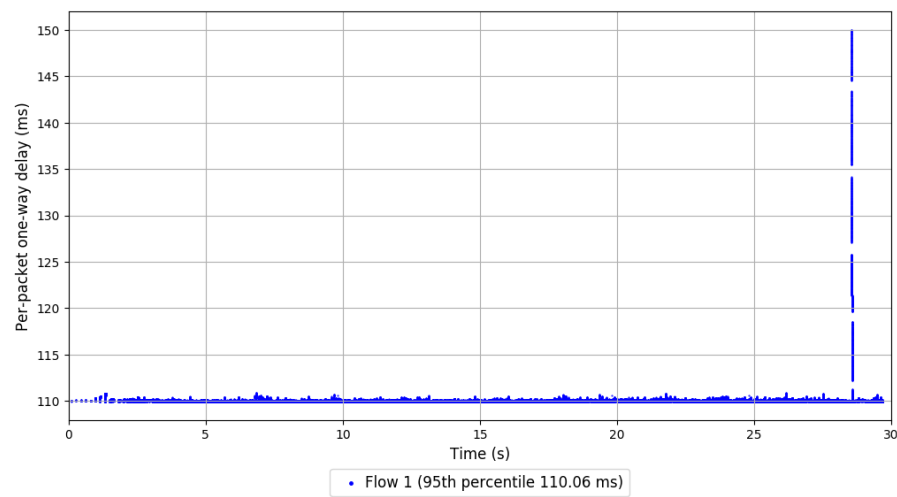
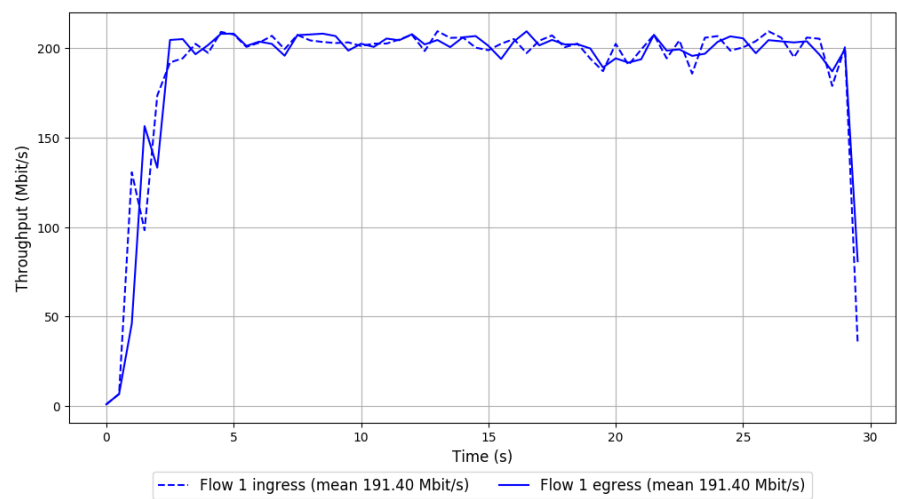


Run 5: Statistics of Indigo

Start at: 2017-09-21 13:39:59
End at: 2017-09-21 13:40:29
Local clock offset: -0.001 ms
Remote clock offset: 19.063 ms

Below is generated by plot.py at 2017-09-21 16:17:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.40 Mbit/s
95th percentile per-packet one-way delay: 110.061 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.40 Mbit/s
95th percentile per-packet one-way delay: 110.061 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

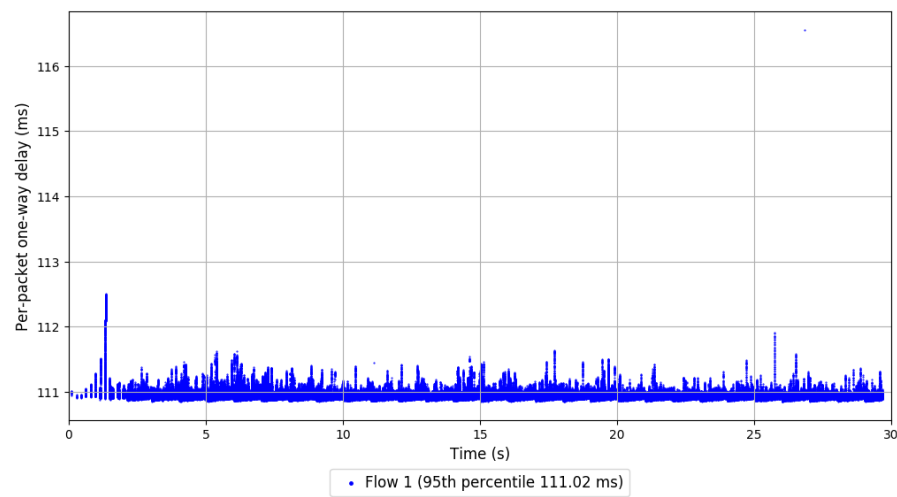
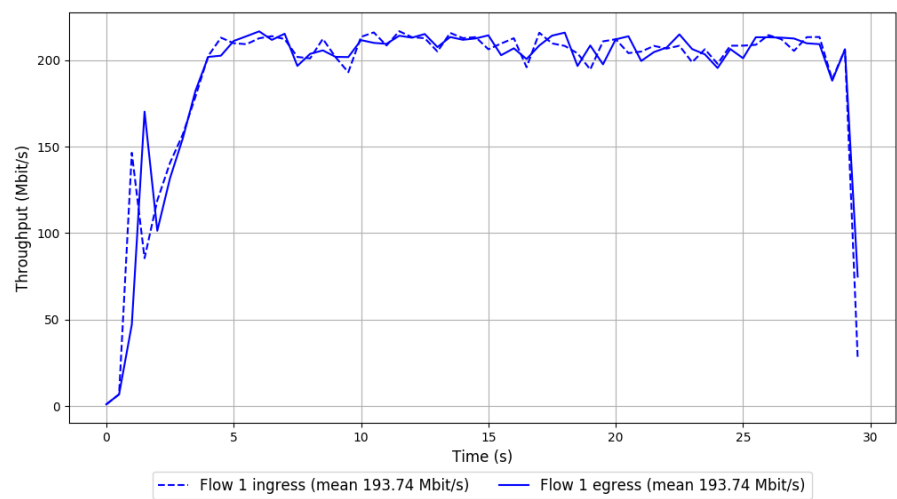


Run 6: Statistics of Indigo

Start at: 2017-09-21 13:58:19
End at: 2017-09-21 13:58:49
Local clock offset: 0.006 ms
Remote clock offset: 20.049 ms

Below is generated by plot.py at 2017-09-21 16:17:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.74 Mbit/s
95th percentile per-packet one-way delay: 111.015 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.74 Mbit/s
95th percentile per-packet one-way delay: 111.015 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

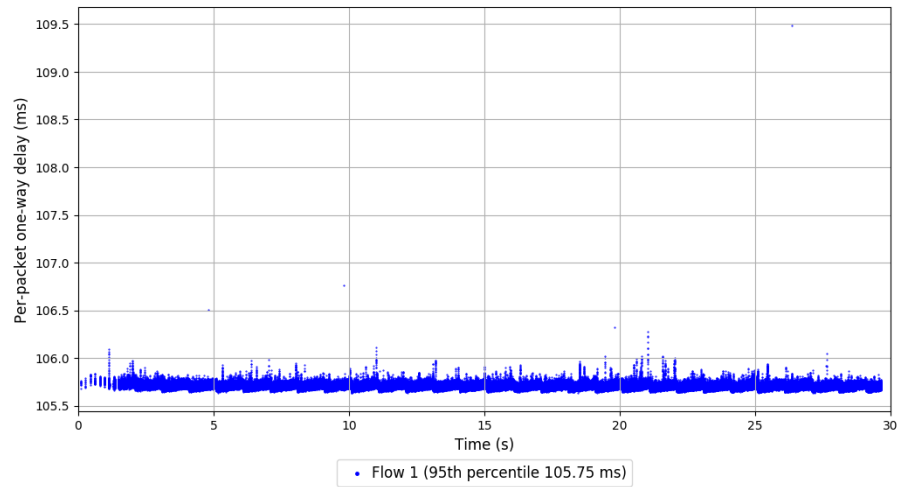
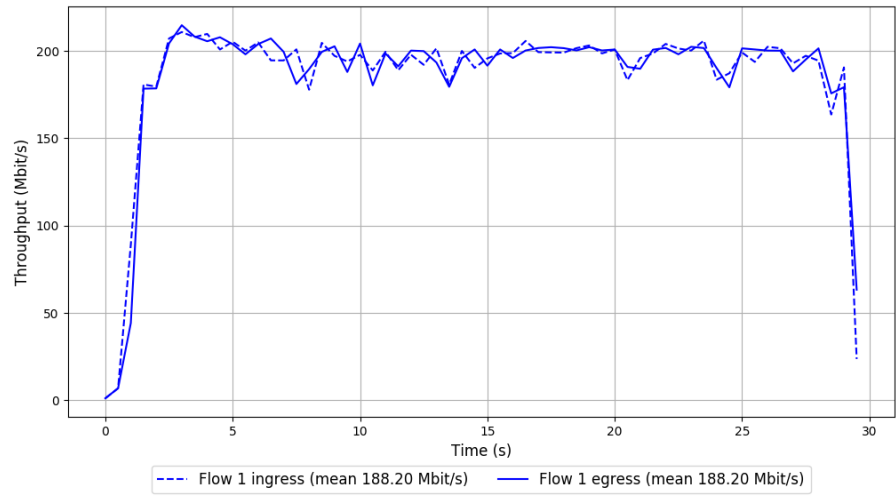


Run 7: Statistics of Indigo

Start at: 2017-09-21 14:16:52
End at: 2017-09-21 14:17:22
Local clock offset: 0.038 ms
Remote clock offset: 16.871 ms

Below is generated by plot.py at 2017-09-21 16:18:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.20 Mbit/s
95th percentile per-packet one-way delay: 105.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.20 Mbit/s
95th percentile per-packet one-way delay: 105.747 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

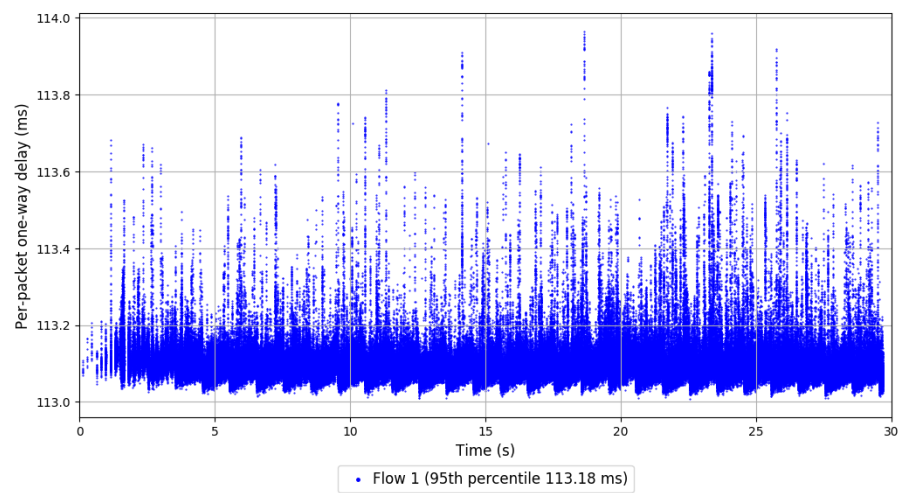
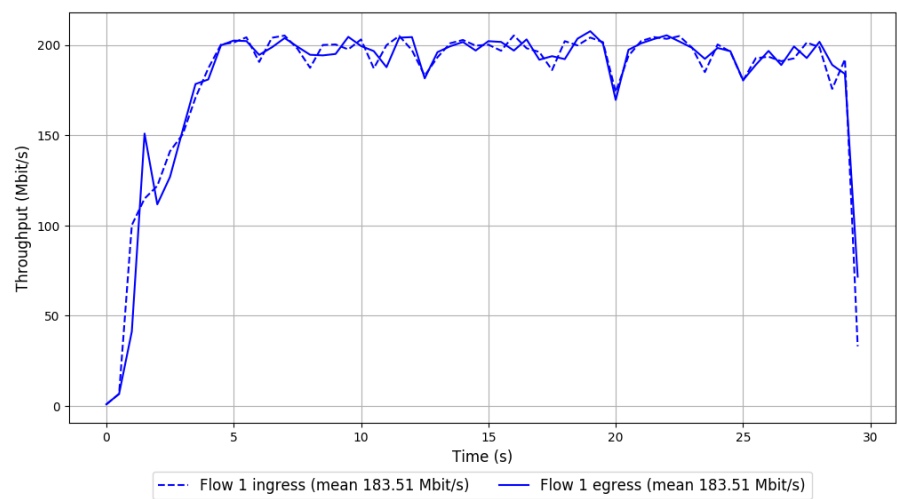


Run 8: Statistics of Indigo

Start at: 2017-09-21 14:35:10
End at: 2017-09-21 14:35:41
Local clock offset: 0.09 ms
Remote clock offset: 22.113 ms

Below is generated by plot.py at 2017-09-21 16:18:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.51 Mbit/s
95th percentile per-packet one-way delay: 113.178 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 183.51 Mbit/s
95th percentile per-packet one-way delay: 113.178 ms
Loss rate: 0.01%

Run 8: Report of Indigo — Data Link

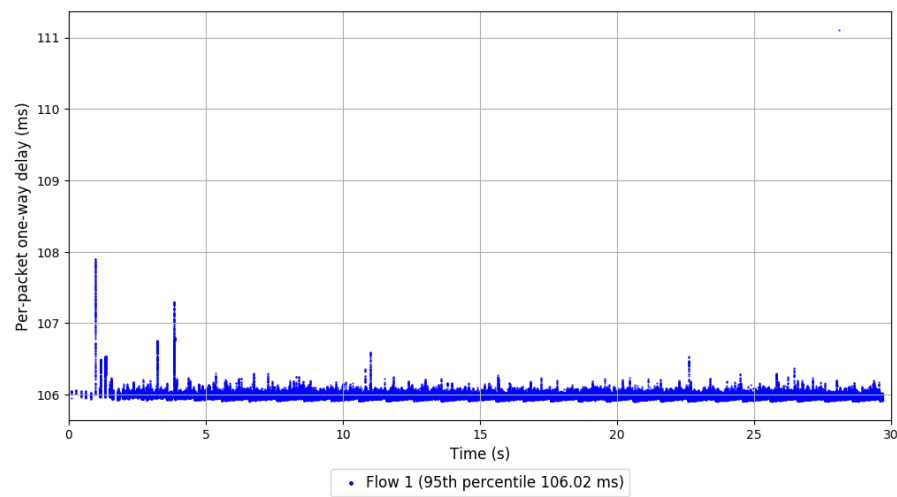
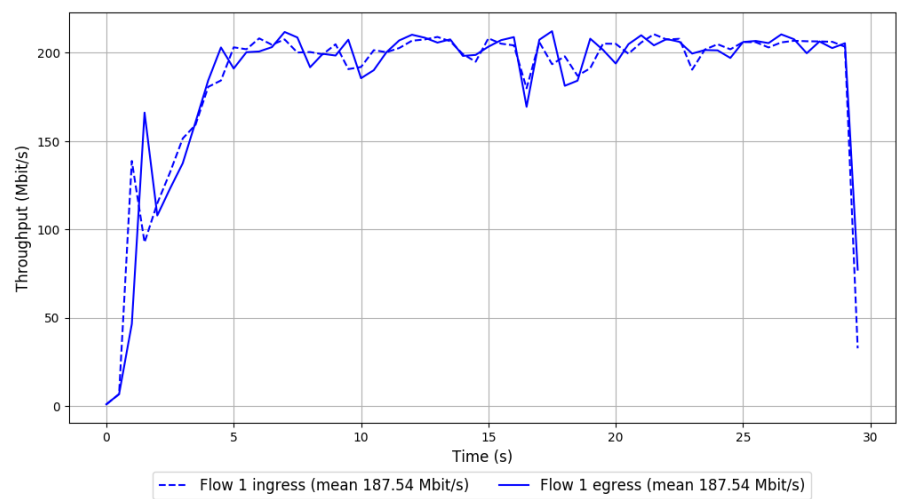


Run 9: Statistics of Indigo

Start at: 2017-09-21 14:53:26
End at: 2017-09-21 14:53:56
Local clock offset: 0.11 ms
Remote clock offset: 17.621 ms

Below is generated by plot.py at 2017-09-21 16:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.54 Mbit/s
95th percentile per-packet one-way delay: 106.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.54 Mbit/s
95th percentile per-packet one-way delay: 106.024 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-09-21 15:11:55

End at: 2017-09-21 15:12:25

Local clock offset: 0.101 ms

Remote clock offset: 17.981 ms

Below is generated by plot.py at 2017-09-21 16:18:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.56 Mbit/s

95th percentile per-packet one-way delay: 106.007 ms

Loss rate: 0.00%

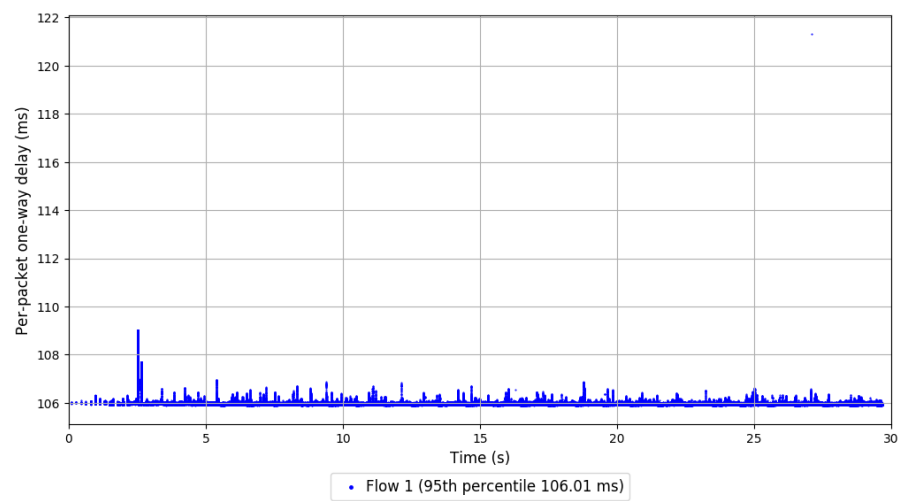
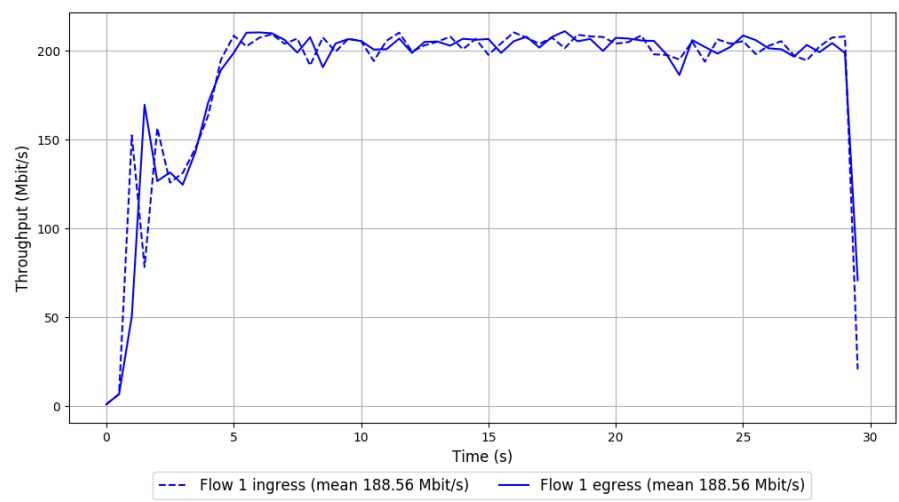
-- Flow 1:

Average throughput: 188.56 Mbit/s

95th percentile per-packet one-way delay: 106.007 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

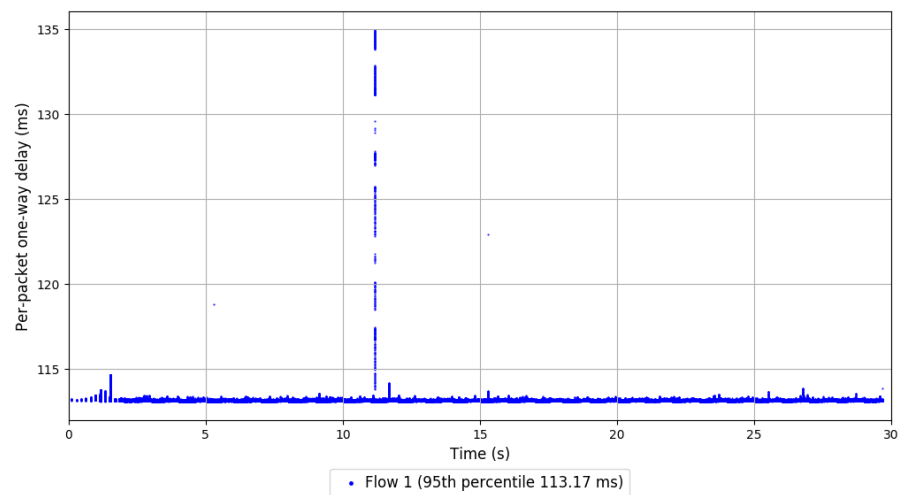
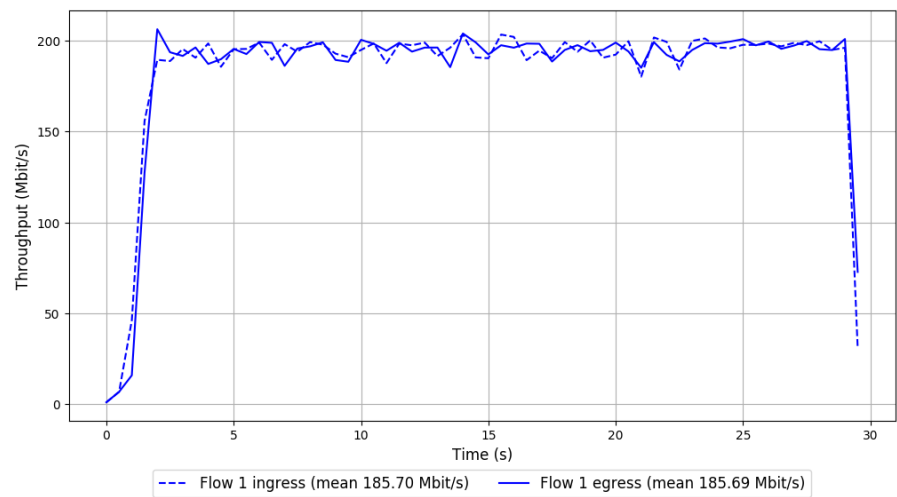


```
Run 1: Statistics of Indigo-calib

Start at: 2017-09-21 12:31:06
End at: 2017-09-21 12:31:36
Local clock offset: -0.102 ms
Remote clock offset: 24.217 ms

# Below is generated by plot.py at 2017-09-21 16:18:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.69 Mbit/s
95th percentile per-packet one-way delay: 113.173 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.69 Mbit/s
95th percentile per-packet one-way delay: 113.173 ms
Loss rate: 0.00%
```


Run 1: Report of Indigo-calib — Data Link

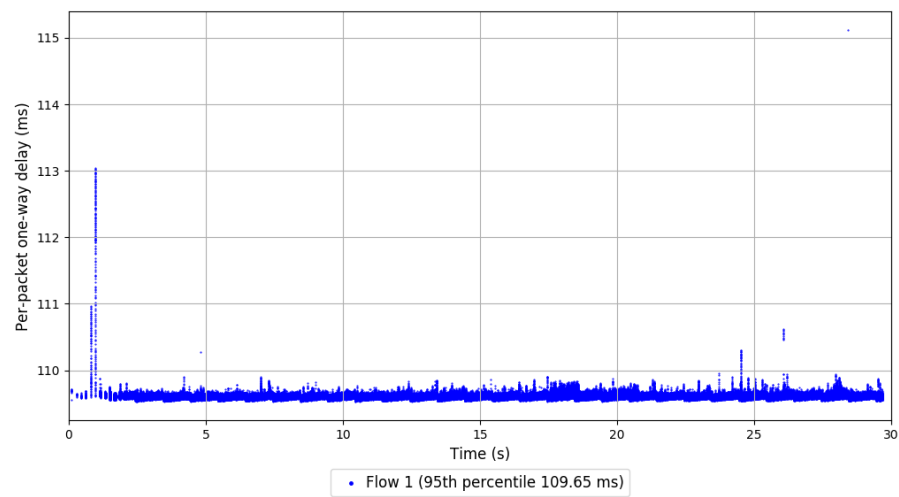
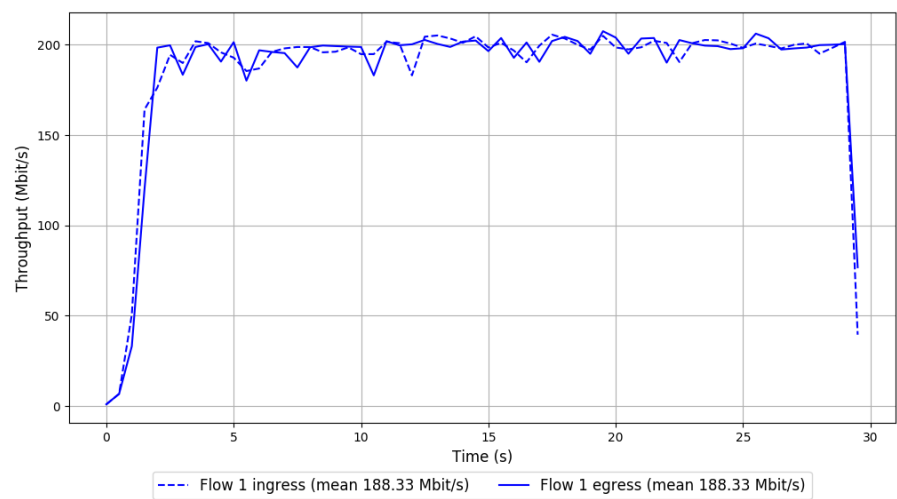


```
Run 2: Statistics of Indigo-calib

Start at: 2017-09-21 12:49:08
End at: 2017-09-21 12:49:38
Local clock offset: -0.122 ms
Remote clock offset: 21.066 ms

# Below is generated by plot.py at 2017-09-21 16:18:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 188.33 Mbit/s
95th percentile per-packet one-way delay: 109.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.33 Mbit/s
95th percentile per-packet one-way delay: 109.646 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-calib — Data Link



Run 3: Statistics of Indigo-calib

Start at: 2017-09-21 13:07:22

End at: 2017-09-21 13:07:52

Local clock offset: -0.08 ms

Remote clock offset: 13.139 ms

Below is generated by plot.py at 2017-09-21 16:20:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.98 Mbit/s

95th percentile per-packet one-way delay: 101.953 ms

Loss rate: 0.00%

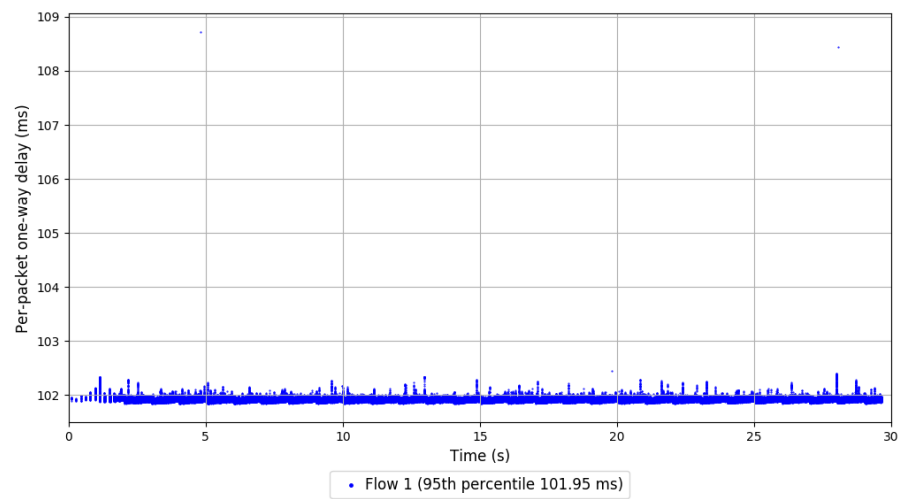
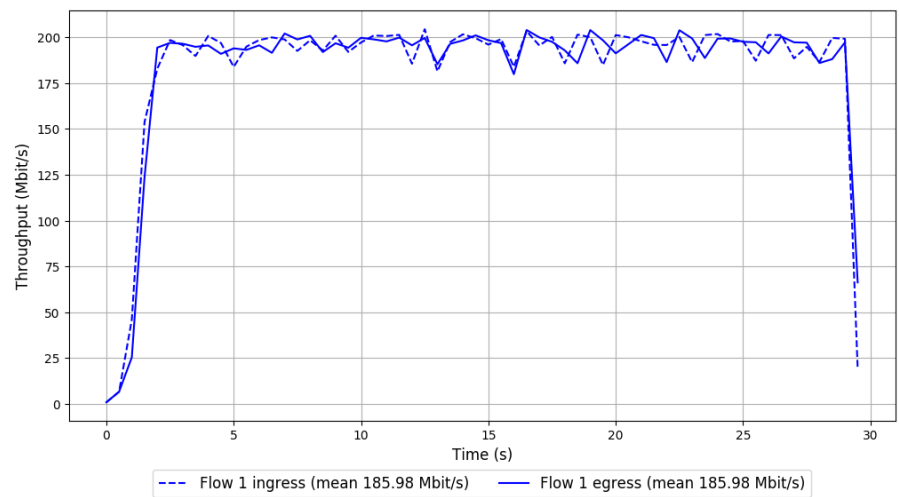
-- Flow 1:

Average throughput: 185.98 Mbit/s

95th percentile per-packet one-way delay: 101.953 ms

Loss rate: 0.00%

Run 3: Report of Indigo-calib — Data Link



Run 4: Statistics of Indigo-calib

Start at: 2017-09-21 13:25:39

End at: 2017-09-21 13:26:09

Local clock offset: 0.005 ms

Remote clock offset: 21.55 ms

Below is generated by plot.py at 2017-09-21 16:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.45 Mbit/s

95th percentile per-packet one-way delay: 112.270 ms

Loss rate: 0.00%

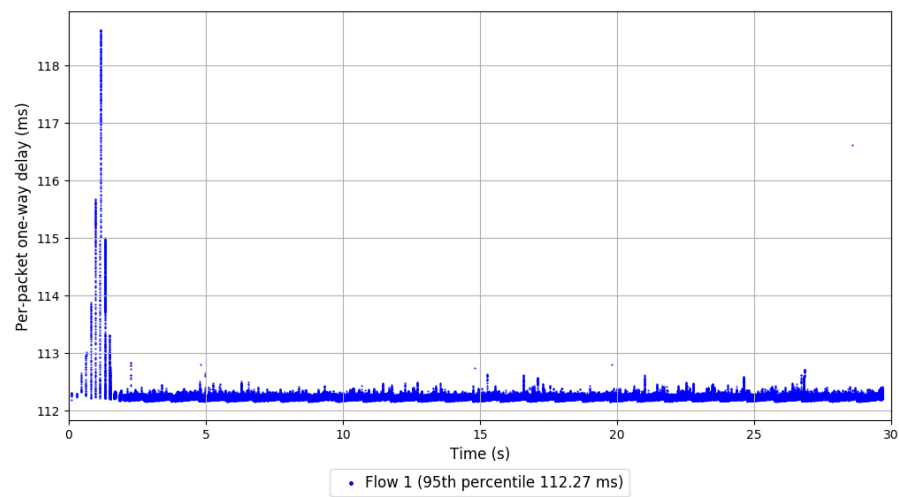
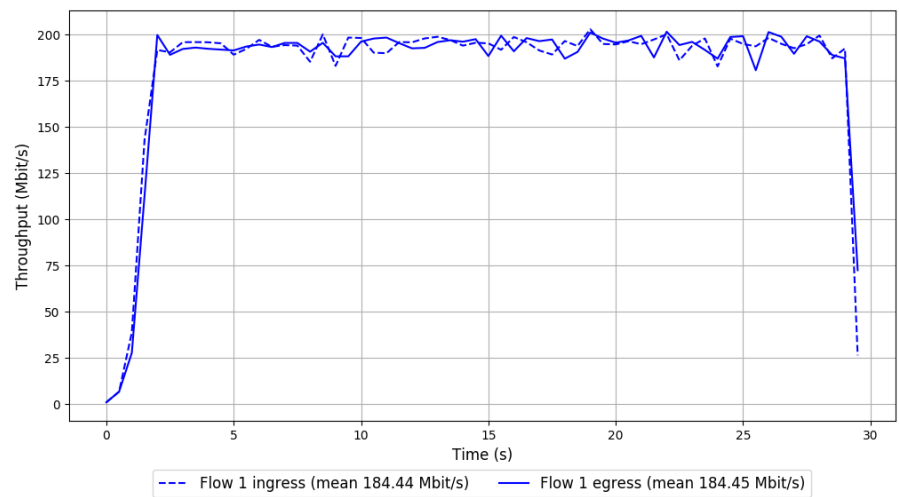
-- Flow 1:

Average throughput: 184.45 Mbit/s

95th percentile per-packet one-way delay: 112.270 ms

Loss rate: 0.00%

Run 4: Report of Indigo-calib — Data Link

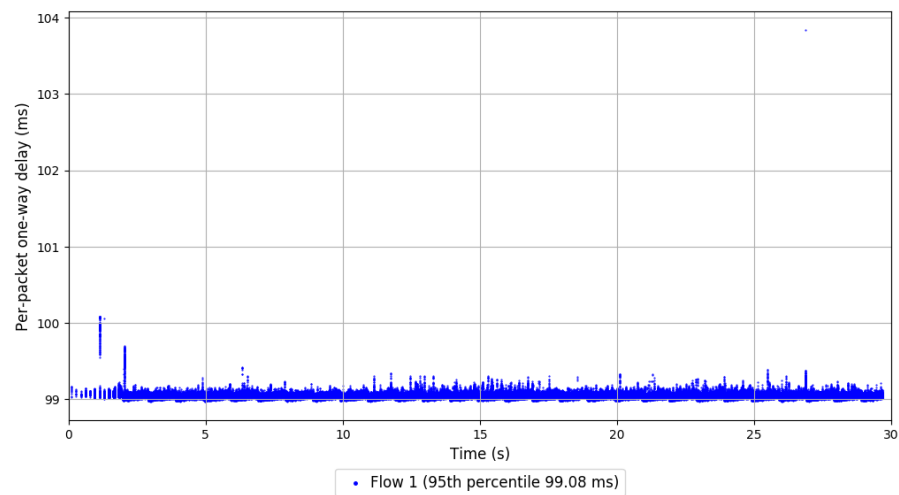
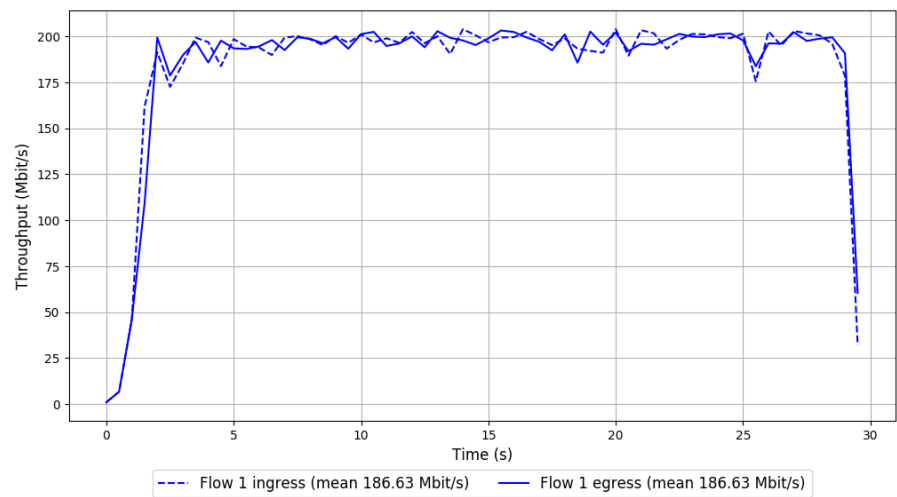


Run 5: Statistics of Indigo-calib

Start at: 2017-09-21 13:43:58
End at: 2017-09-21 13:44:28
Local clock offset: -0.064 ms
Remote clock offset: 10.067 ms

Below is generated by plot.py at 2017-09-21 16:20:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.63 Mbit/s
95th percentile per-packet one-way delay: 99.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.63 Mbit/s
95th percentile per-packet one-way delay: 99.082 ms
Loss rate: 0.00%

Run 5: Report of Indigo-calib — Data Link

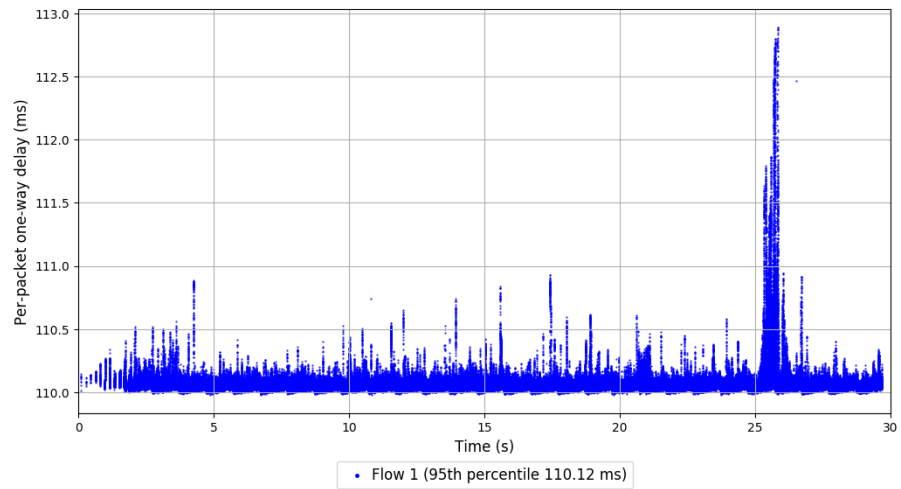
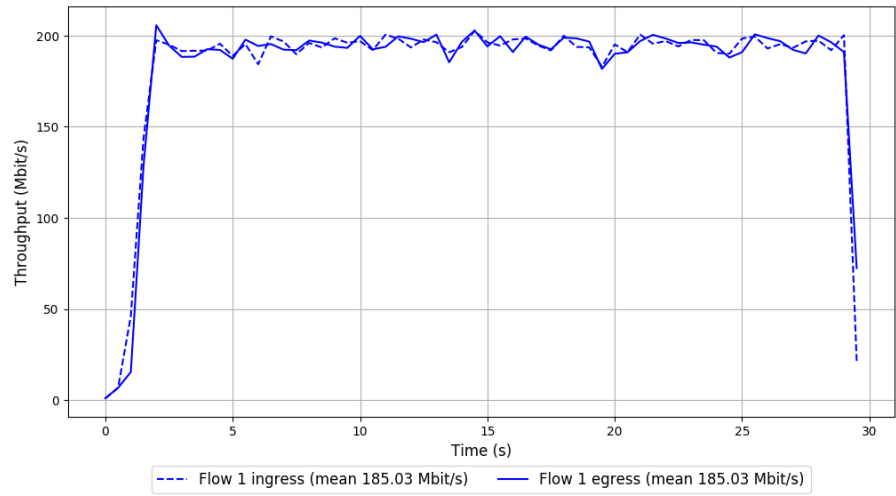


Run 6: Statistics of Indigo-calib

Start at: 2017-09-21 14:02:15
End at: 2017-09-21 14:02:45
Local clock offset: -0.044 ms
Remote clock offset: 19.436 ms

Below is generated by plot.py at 2017-09-21 16:21:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.03 Mbit/s
95th percentile per-packet one-way delay: 110.122 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.03 Mbit/s
95th percentile per-packet one-way delay: 110.122 ms
Loss rate: 0.00%

Run 6: Report of Indigo-calib — Data Link



Run 7: Statistics of Indigo-calib

Start at: 2017-09-21 14:20:51

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

Local clock offset: 0.072 ms

Remote clock offset: 6.005 ms

Below is generated by plot.py at 2017-09-21 16:21:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.91 Mbit/s

95th percentile per-packet one-way delay: 95.033 ms

Loss rate: 0.00%

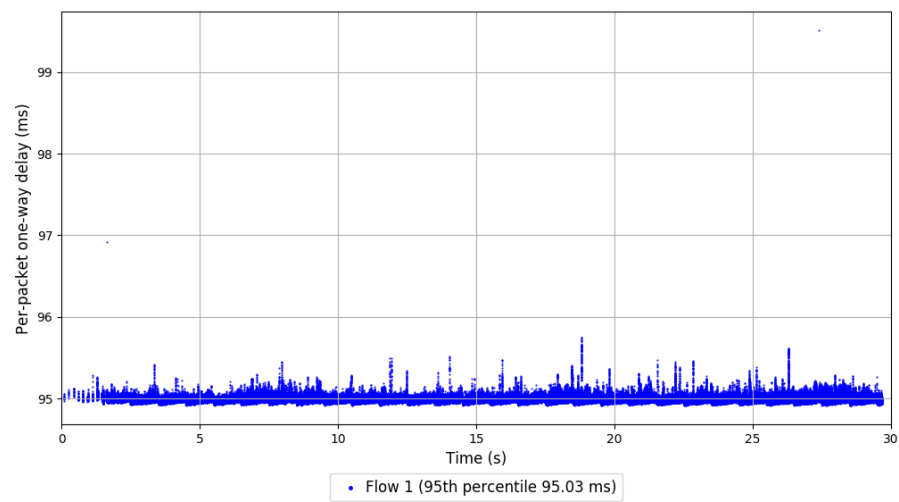
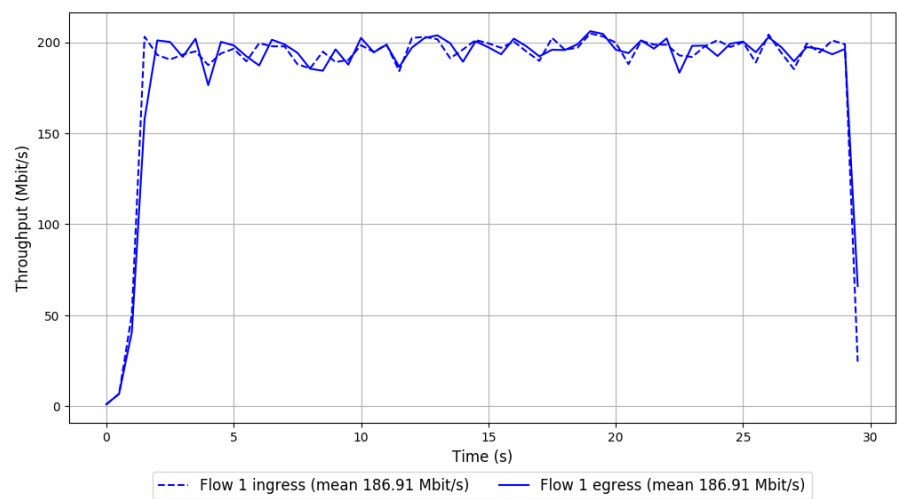
-- Flow 1:

Average throughput: 186.91 Mbit/s

95th percentile per-packet one-way delay: 95.033 ms

Loss rate: 0.00%

Run 7: Report of Indigo-calib — Data Link



Run 8: Statistics of Indigo-calib

Start at: 2017-09-21 14:39:06

End at: 2017-09-21 14:39:36

Local clock offset: 0.03 ms

Remote clock offset: 16.515 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.19 Mbit/s

95th percentile per-packet one-way delay: 104.990 ms

Loss rate: 0.00%

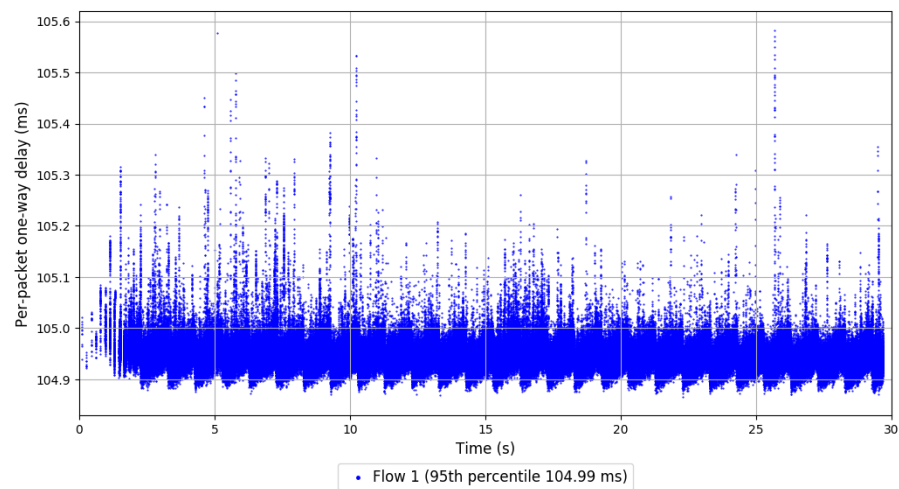
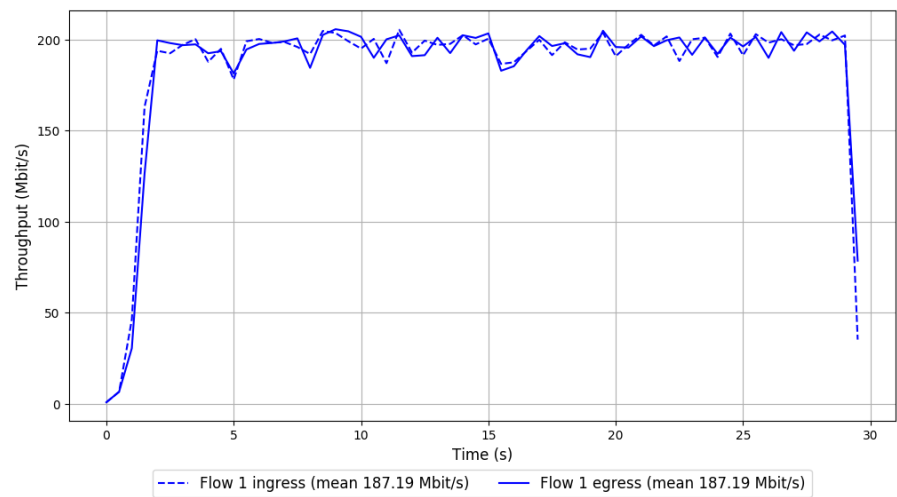
-- Flow 1:

Average throughput: 187.19 Mbit/s

95th percentile per-packet one-way delay: 104.990 ms

Loss rate: 0.00%

Run 8: Report of Indigo-calib — Data Link

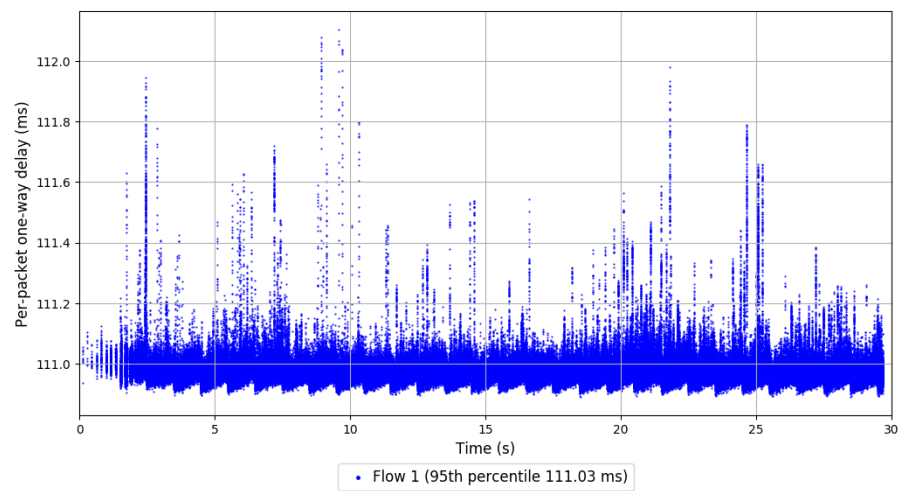
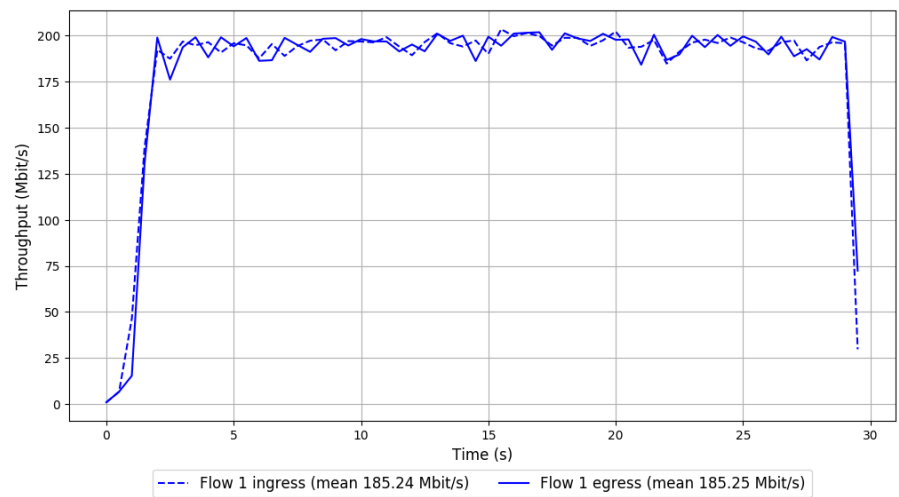


Run 9: Statistics of Indigo-calib

Start at: 2017-09-21 14:57:20
End at: 2017-09-21 14:57:50
Local clock offset: 0.024 ms
Remote clock offset: 20.807 ms

Below is generated by plot.py at 2017-09-21 16:21:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.25 Mbit/s
95th percentile per-packet one-way delay: 111.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.25 Mbit/s
95th percentile per-packet one-way delay: 111.034 ms
Loss rate: 0.00%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-09-21 15:15:50

End at: 2017-09-21 15:16:20

Local clock offset: 0.088 ms

Remote clock offset: 17.155 ms

Below is generated by plot.py at 2017-09-21 16:21:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.38 Mbit/s

95th percentile per-packet one-way delay: 106.458 ms

Loss rate: 0.00%

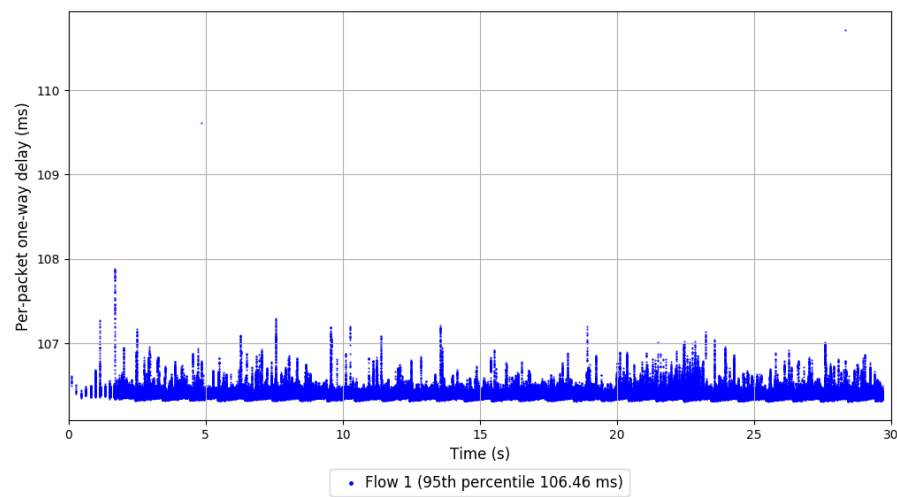
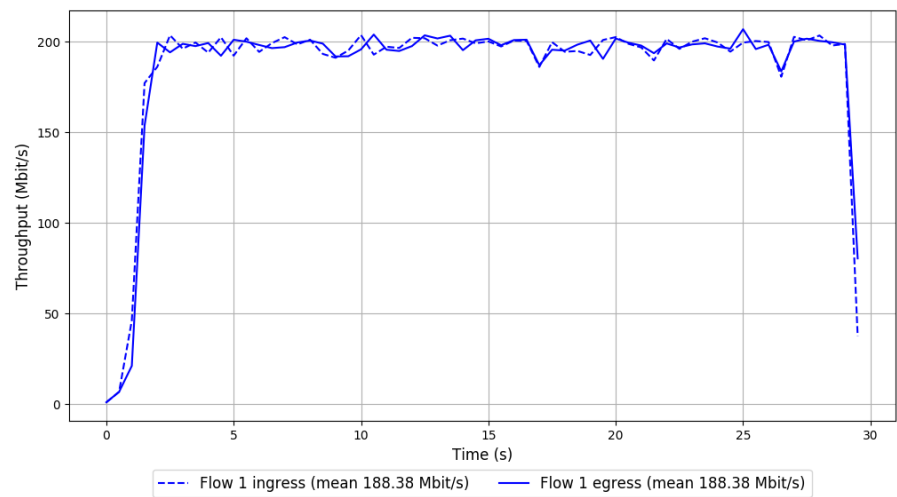
-- Flow 1:

Average throughput: 188.38 Mbit/s

95th percentile per-packet one-way delay: 106.458 ms

Loss rate: 0.00%

Run 10: Report of Indigo-calib — Data Link

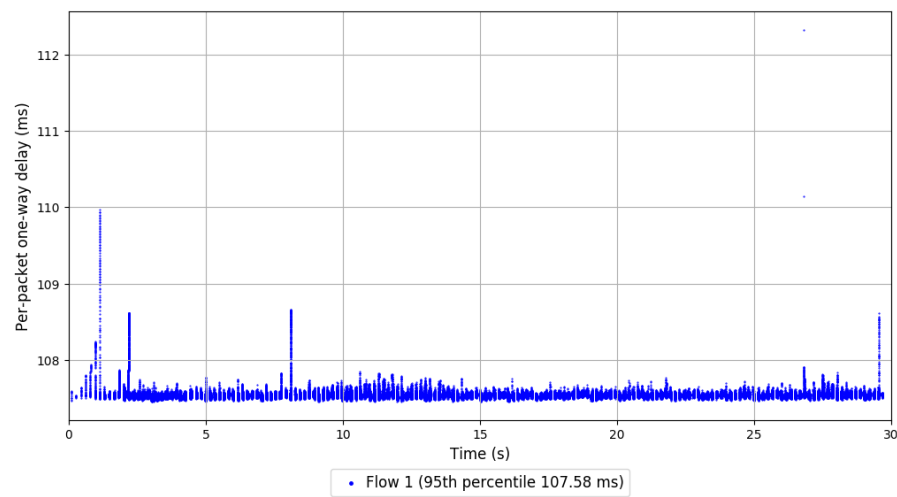
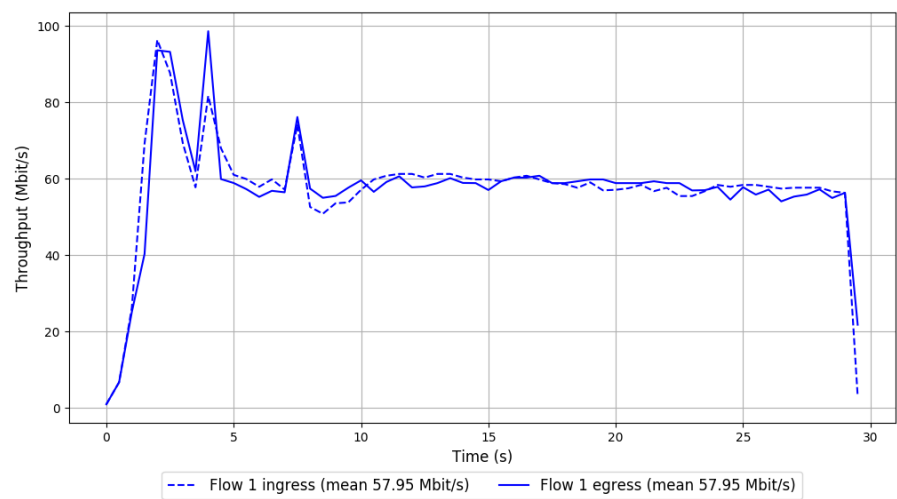


```
Run 1: Statistics of Indigo-delay

Start at: 2017-09-21 12:16:48
End at: 2017-09-21 12:17:18
Local clock offset: -0.147 ms
Remote clock offset: 19.55 ms

# Below is generated by plot.py at 2017-09-21 16:21:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.95 Mbit/s
95th percentile per-packet one-way delay: 107.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.95 Mbit/s
95th percentile per-packet one-way delay: 107.585 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-delay — Data Link

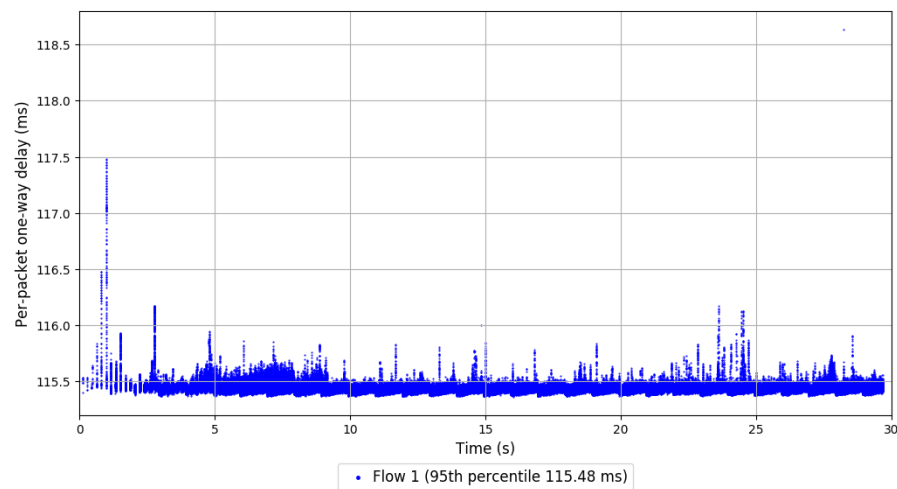
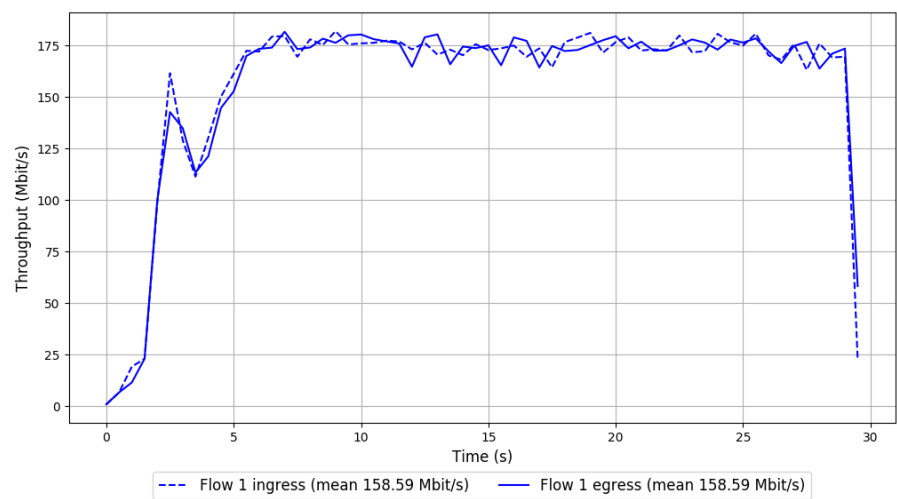


Run 2: Statistics of Indigo-delay

Start at: 2017-09-21 12:34:54
End at: 2017-09-21 12:35:24
Local clock offset: -0.164 ms
Remote clock offset: 25.338 ms

Below is generated by plot.py at 2017-09-21 16:22:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.59 Mbit/s
95th percentile per-packet one-way delay: 115.483 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 158.59 Mbit/s
95th percentile per-packet one-way delay: 115.483 ms
Loss rate: 0.01%

Run 2: Report of Indigo-delay — Data Link

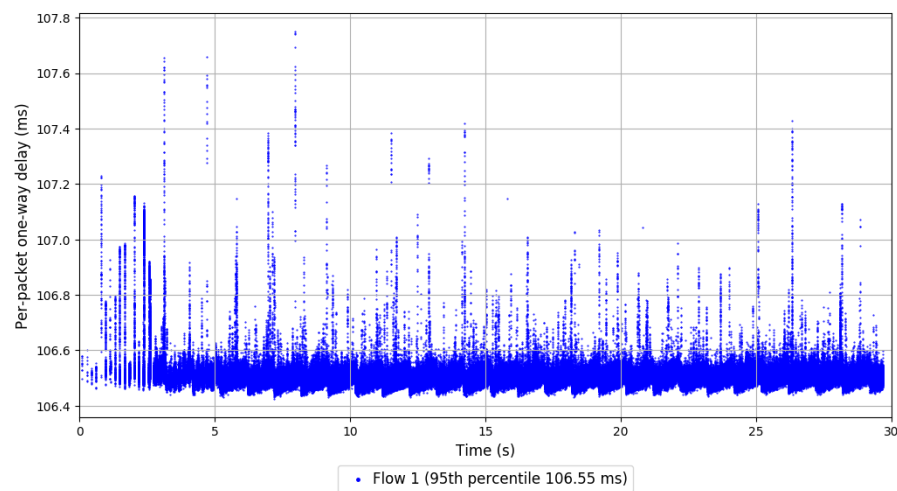
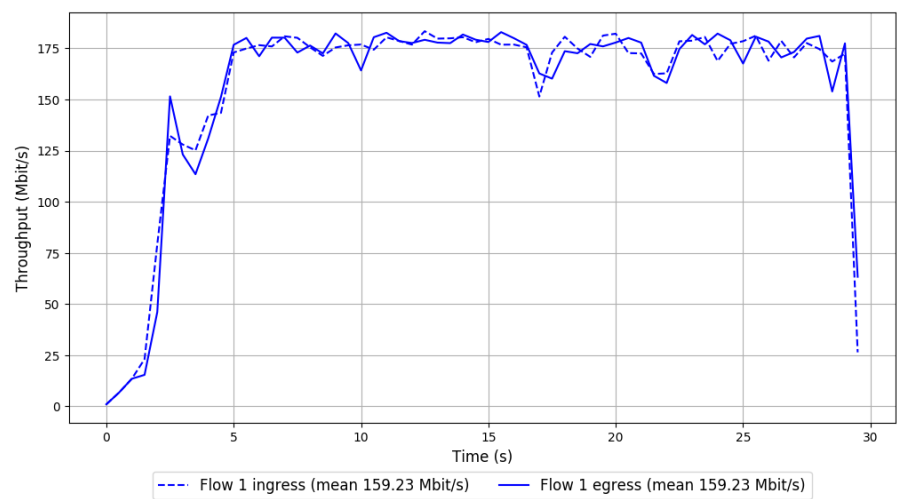


```
Run 3: Statistics of Indigo-delay

Start at: 2017-09-21 12:52:55
End at: 2017-09-21 12:53:25
Local clock offset: -0.14 ms
Remote clock offset: 16.135 ms

# Below is generated by plot.py at 2017-09-21 16:23:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 159.23 Mbit/s
95th percentile per-packet one-way delay: 106.552 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.23 Mbit/s
95th percentile per-packet one-way delay: 106.552 ms
Loss rate: 0.00%
```


Run 3: Report of Indigo-delay — Data Link

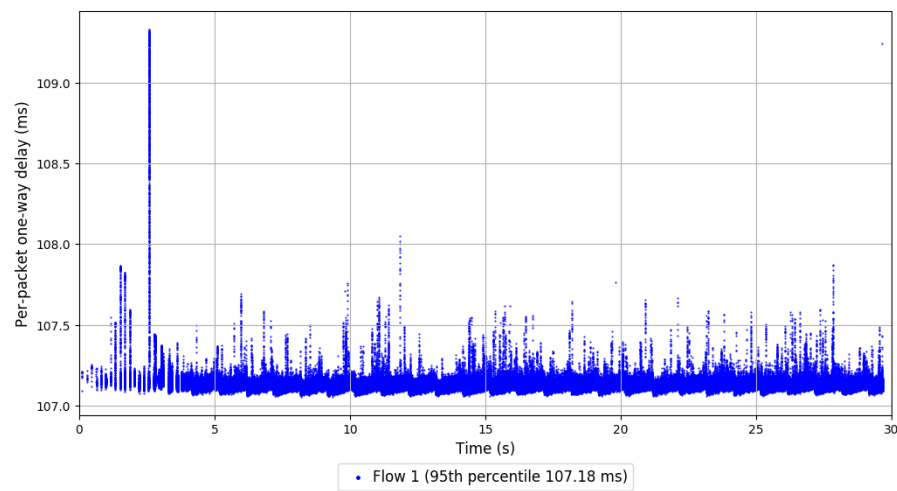
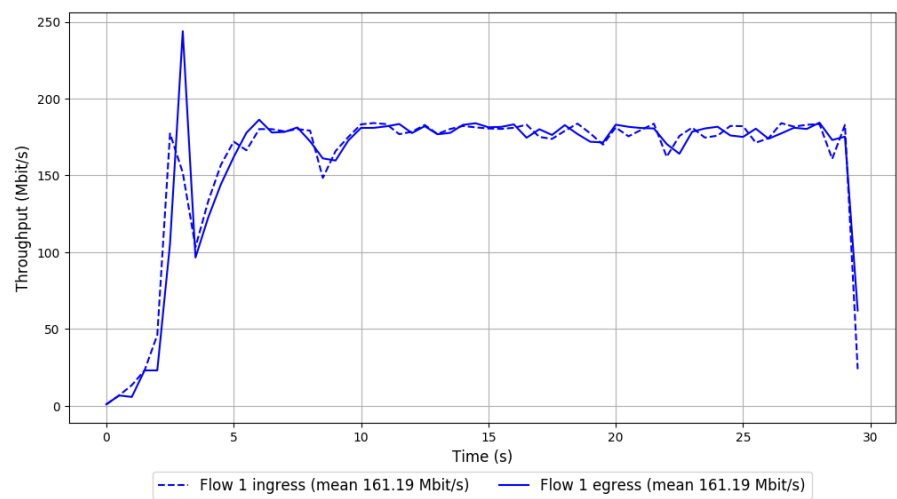


Run 4: Statistics of Indigo-delay

Start at: 2017-09-21 13:11:16
End at: 2017-09-21 13:11:46
Local clock offset: -0.152 ms
Remote clock offset: 15.926 ms

Below is generated by plot.py at 2017-09-21 16:23:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.19 Mbit/s
95th percentile per-packet one-way delay: 107.180 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 161.19 Mbit/s
95th percentile per-packet one-way delay: 107.180 ms
Loss rate: 0.01%

Run 4: Report of Indigo-delay — Data Link

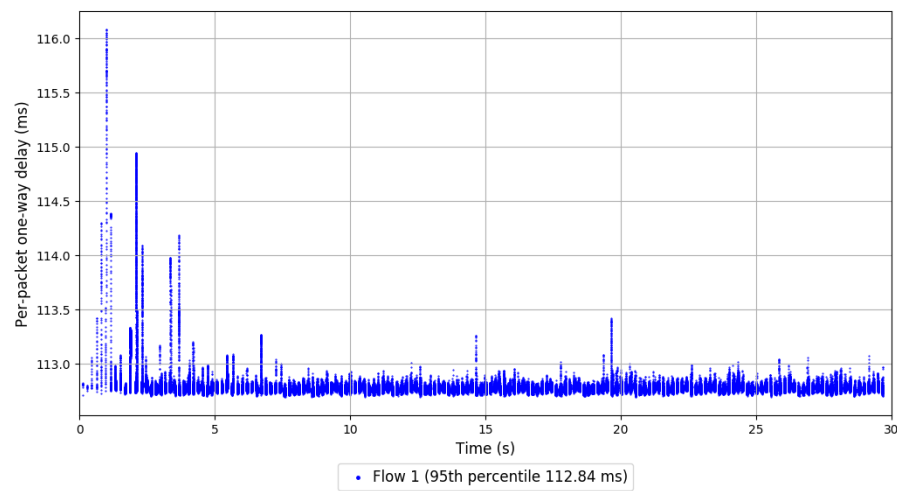
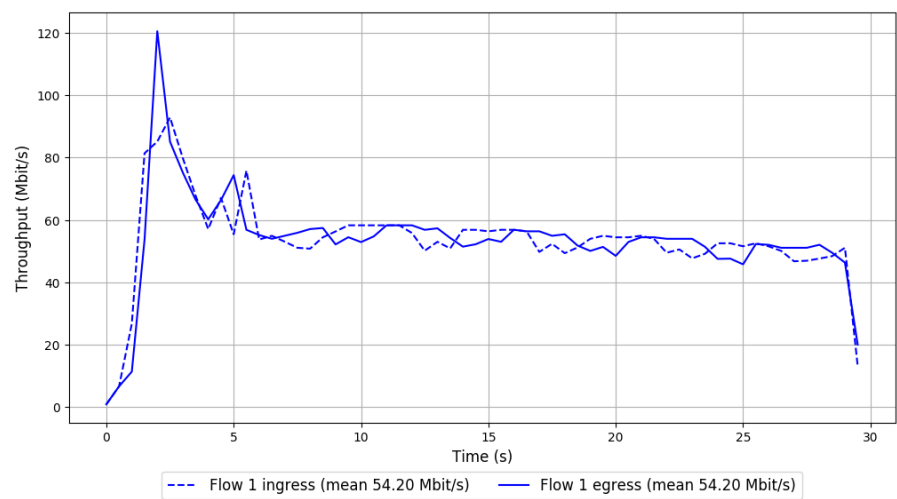


Run 5: Statistics of Indigo-delay

Start at: 2017-09-21 13:29:28
End at: 2017-09-21 13:29:58
Local clock offset: -0.102 ms
Remote clock offset: 21.757 ms

Below is generated by plot.py at 2017-09-21 16:23:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 112.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 112.843 ms
Loss rate: 0.00%

Run 5: Report of Indigo-delay — Data Link



Run 6: Statistics of Indigo-delay

Start at: 2017-09-21 13:47:47

End at: 2017-09-21 13:48:17

Local clock offset: -0.142 ms

Remote clock offset: 6.594 ms

Below is generated by plot.py at 2017-09-21 16:23:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.84 Mbit/s

95th percentile per-packet one-way delay: 95.362 ms

Loss rate: 0.00%

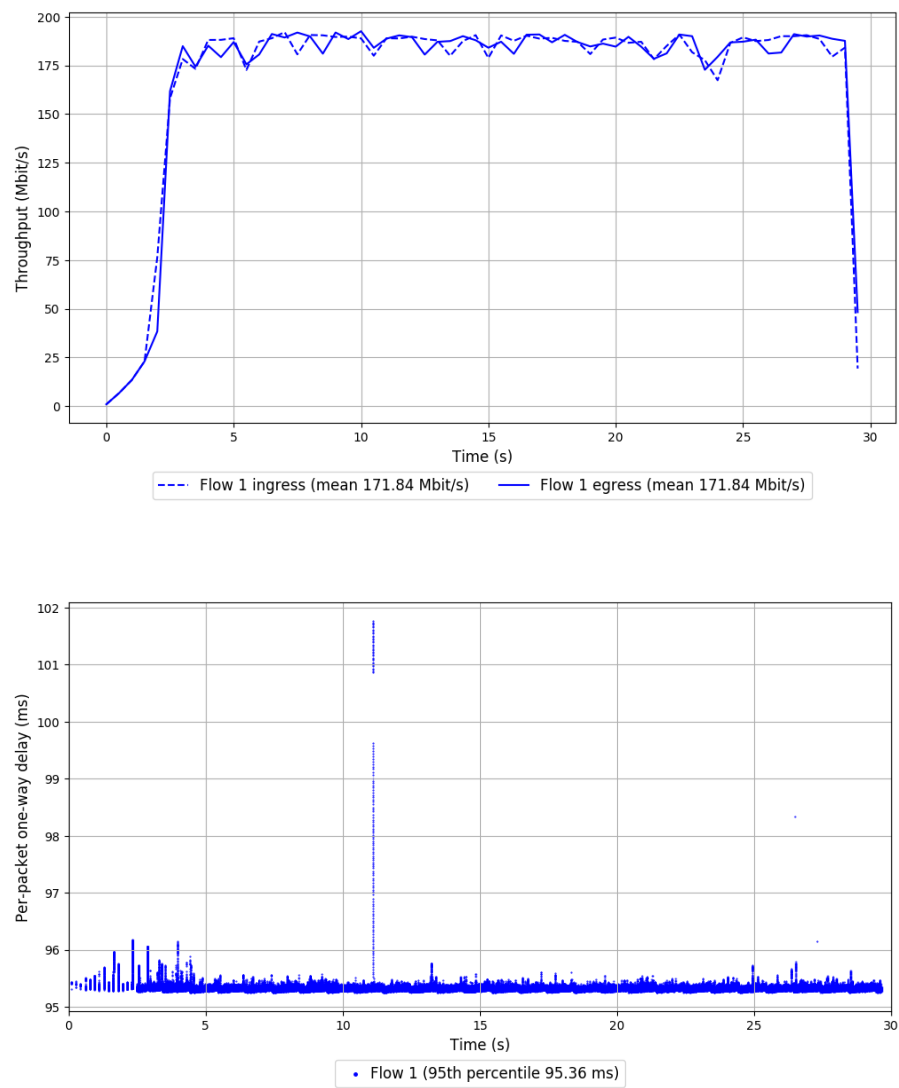
-- Flow 1:

Average throughput: 171.84 Mbit/s

95th percentile per-packet one-way delay: 95.362 ms

Loss rate: 0.00%

Run 6: Report of Indigo-delay — Data Link

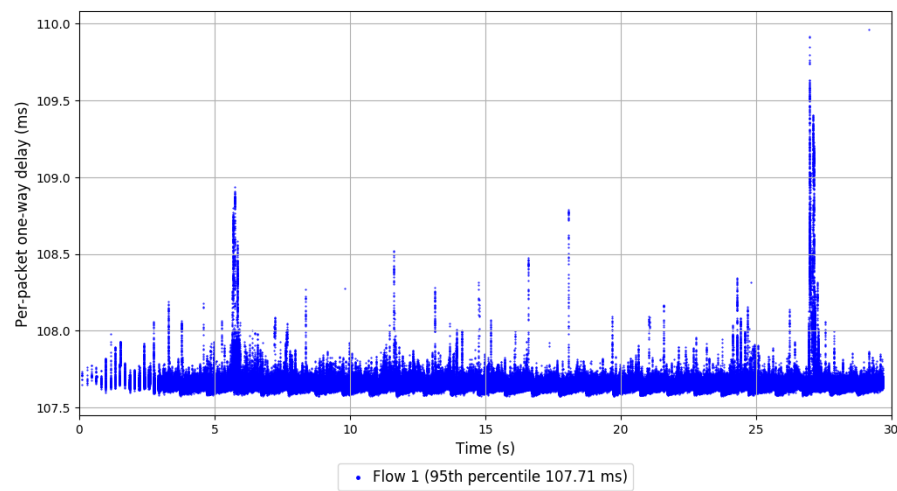
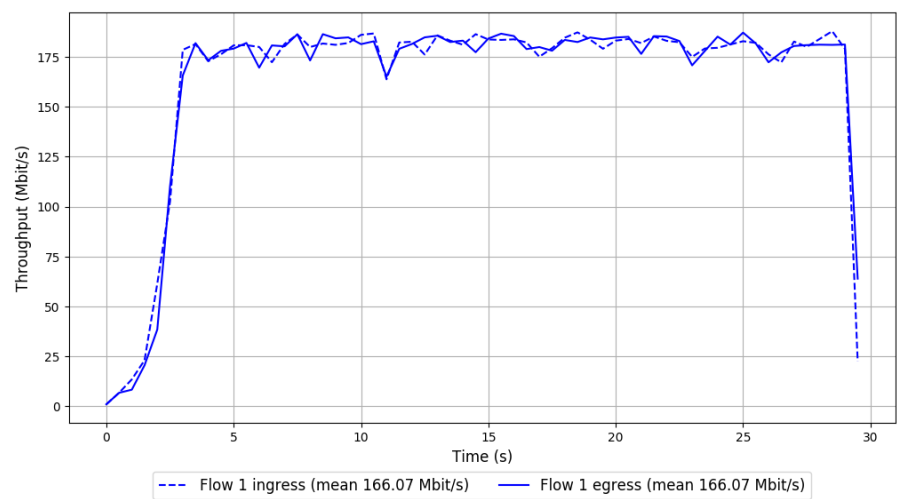


Run 7: Statistics of Indigo-delay

Start at: 2017-09-21 14:06:03
End at: 2017-09-21 14:06:33
Local clock offset: 0.012 ms
Remote clock offset: 16.989 ms

Below is generated by plot.py at 2017-09-21 16:23:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.07 Mbit/s
95th percentile per-packet one-way delay: 107.711 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.07 Mbit/s
95th percentile per-packet one-way delay: 107.711 ms
Loss rate: 0.00%

Run 7: Report of Indigo-delay — Data Link

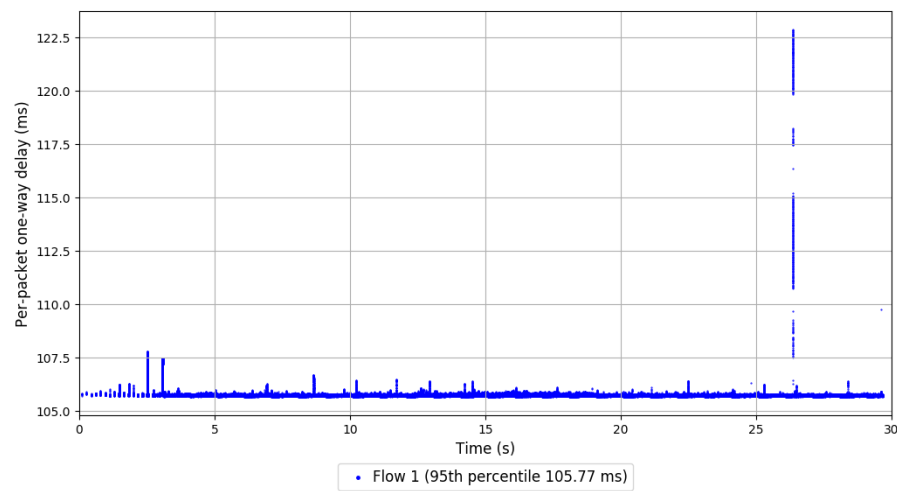
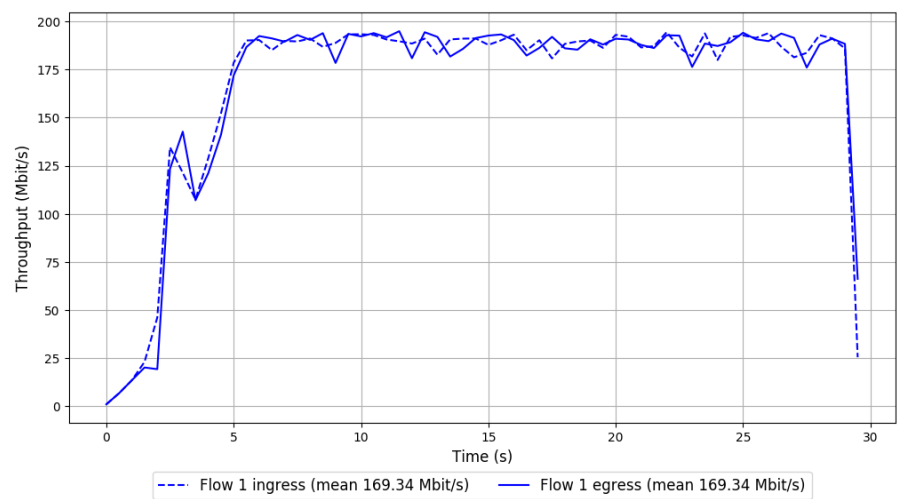


Run 8: Statistics of Indigo-delay

Start at: 2017-09-21 14:24:40
End at: 2017-09-21 14:25:10
Local clock offset: 0.105 ms
Remote clock offset: 17.121 ms

Below is generated by plot.py at 2017-09-21 16:23:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.34 Mbit/s
95th percentile per-packet one-way delay: 105.767 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 169.34 Mbit/s
95th percentile per-packet one-way delay: 105.767 ms
Loss rate: 0.00%

Run 8: Report of Indigo-delay — Data Link



Run 9: Statistics of Indigo-delay

Start at: 2017-09-21 14:42:53

End at: 2017-09-21 14:43:23

Local clock offset: 0.129 ms

Remote clock offset: 16.57 ms

Below is generated by plot.py at 2017-09-21 16:23:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.41 Mbit/s

95th percentile per-packet one-way delay: 104.705 ms

Loss rate: 0.00%

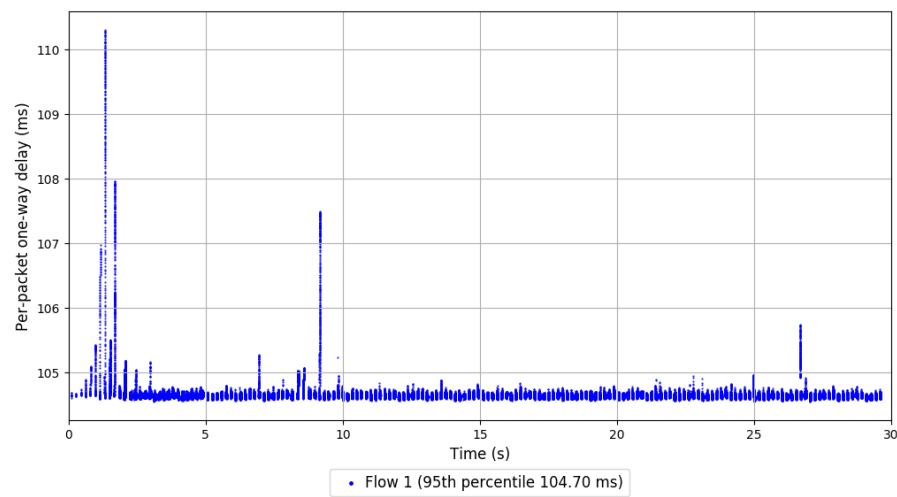
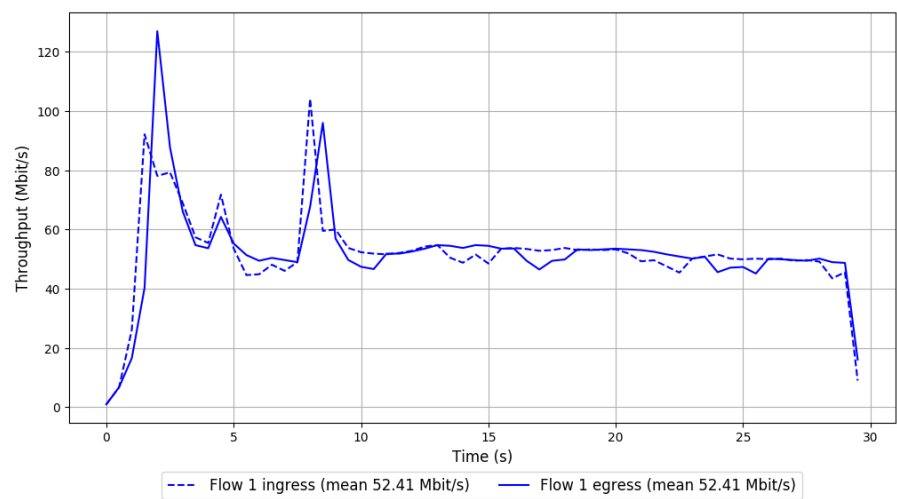
-- Flow 1:

Average throughput: 52.41 Mbit/s

95th percentile per-packet one-way delay: 104.705 ms

Loss rate: 0.00%

Run 9: Report of Indigo-delay — Data Link



Run 10: Statistics of Indigo-delay

Start at: 2017-09-21 15:01:10
End at: 2017-09-21 15:01:40
Local clock offset: 0.094 ms
Remote clock offset: 16.966 ms

Below is generated by plot.py at 2017-09-21 16:23:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.46 Mbit/s
95th percentile per-packet one-way delay: 107.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 169.46 Mbit/s
95th percentile per-packet one-way delay: 107.088 ms
Loss rate: 0.00%

Run 10: Report of Indigo-delay — Data Link

