

Pantheon Report

Generated at 2018-04-24 12:43:54 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

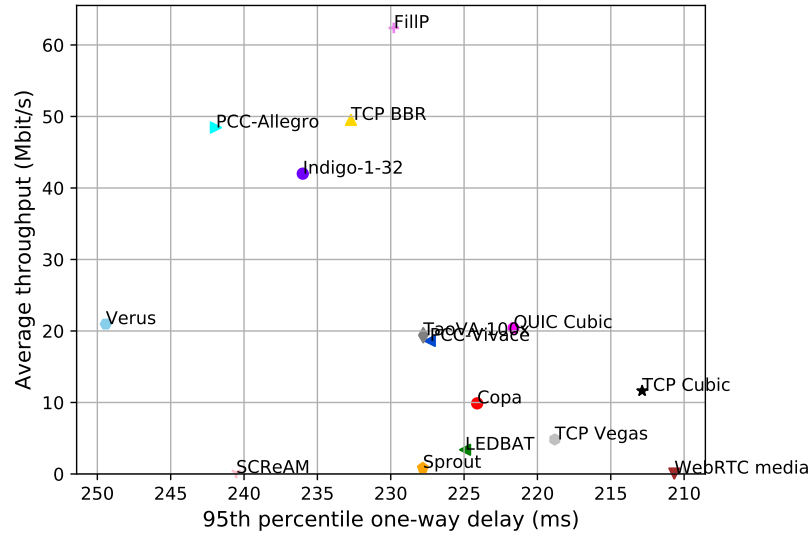
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

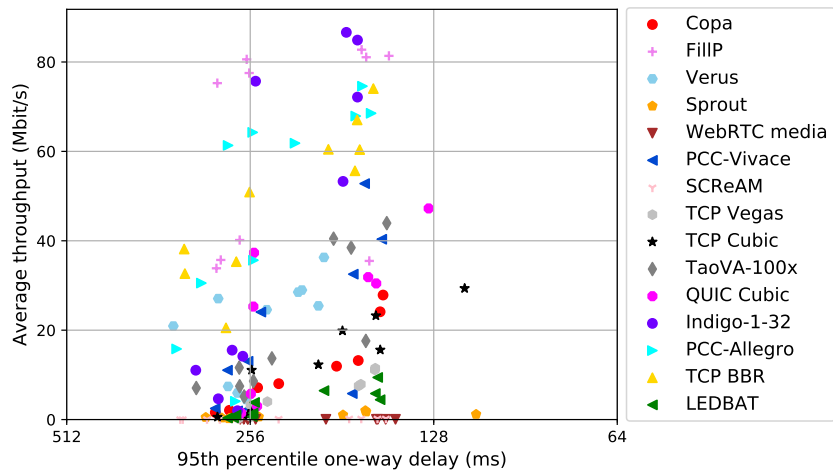
Git summary:

```
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
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/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

test from AWS Korea Ethernet to China Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS Korea Ethernet to China 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	49.52	232.71	4.56
TCP Cubic	10	11.62	212.86	1.13
LEDBAT	10	3.39	224.93	0.96
PCC-Allegro	10	48.45	241.92	3.16
QUIC Cubic	9	20.42	221.63	1.17
SCReAM	10	0.14	240.54	1.55
WebRTC media	10	0.06	210.67	1.19
Sprout	10	0.86	227.81	1.10
TaoVA-100x	10	19.41	227.78	2.83
TCP Vegas	10	4.83	218.82	1.56
Verus	10	20.96	249.43	68.70
Copa	10	9.88	224.11	0.89
FillP	10	62.38	229.79	10.94
Indigo-1-32	10	42.01	236.00	16.42
PCC-Vivace	10	18.61	227.34	1.54
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-24 08:47:03

End at: 2018-04-24 08:47:33

Local clock offset: -4.013 ms

Remote clock offset: 25.202 ms

Below is generated by plot.py at 2018-04-24 12:36:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.46 Mbit/s

95th percentile per-packet one-way delay: 190.559 ms

Loss rate: 3.64%

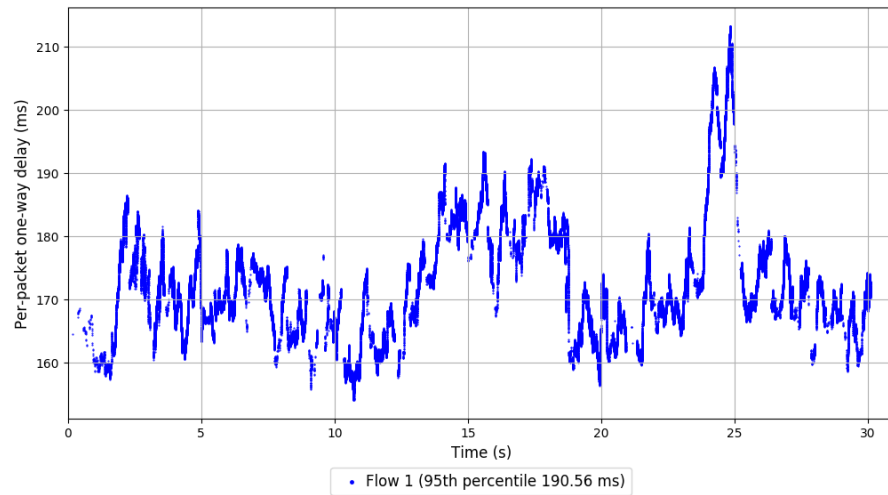
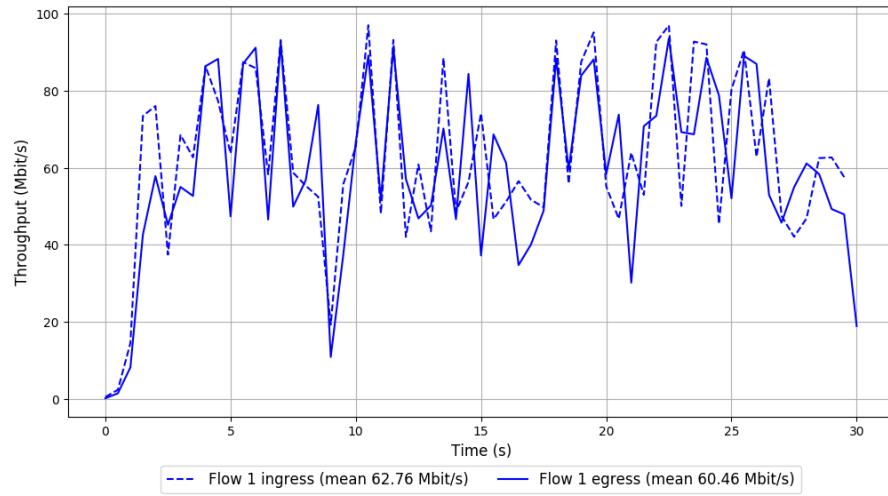
-- Flow 1:

Average throughput: 60.46 Mbit/s

95th percentile per-packet one-way delay: 190.559 ms

Loss rate: 3.64%

Run 1: Report of TCP BBR — Data Link

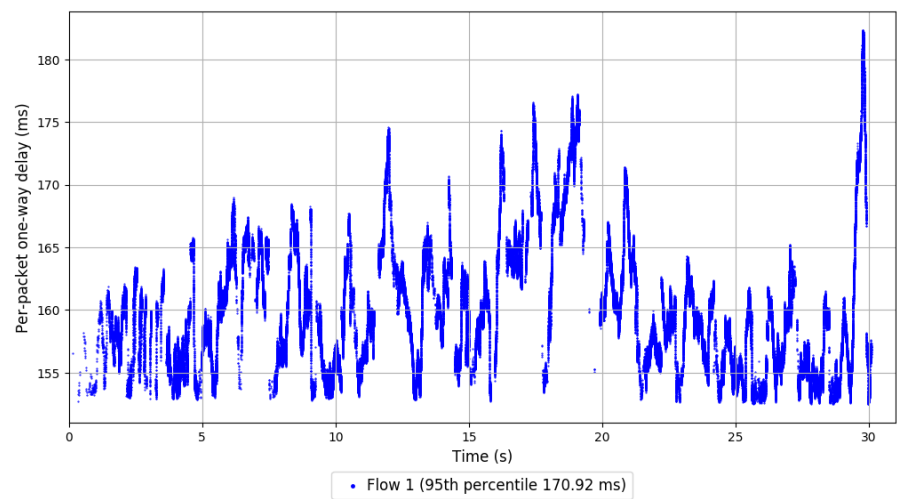
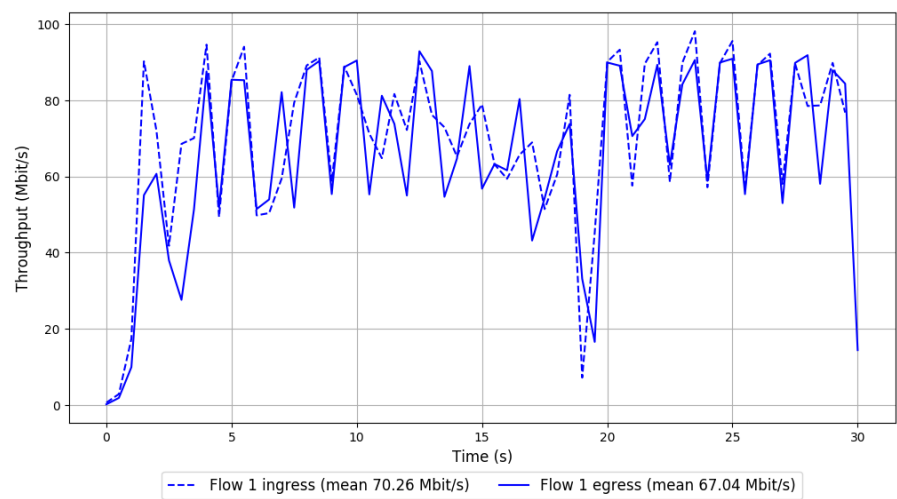


Run 2: Statistics of TCP BBR

Start at: 2018-04-24 09:08:08
End at: 2018-04-24 09:08:38
Local clock offset: -1.111 ms
Remote clock offset: -4.815 ms

Below is generated by plot.py at 2018-04-24 12:36:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.04 Mbit/s
95th percentile per-packet one-way delay: 170.919 ms
Loss rate: 4.57%
-- Flow 1:
Average throughput: 67.04 Mbit/s
95th percentile per-packet one-way delay: 170.919 ms
Loss rate: 4.57%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-24 09:29:34

End at: 2018-04-24 09:30:04

Local clock offset: 4.235 ms

Remote clock offset: -4.569 ms

Below is generated by plot.py at 2018-04-24 12:36:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.05 Mbit/s

95th percentile per-packet one-way delay: 160.790 ms

Loss rate: 4.14%

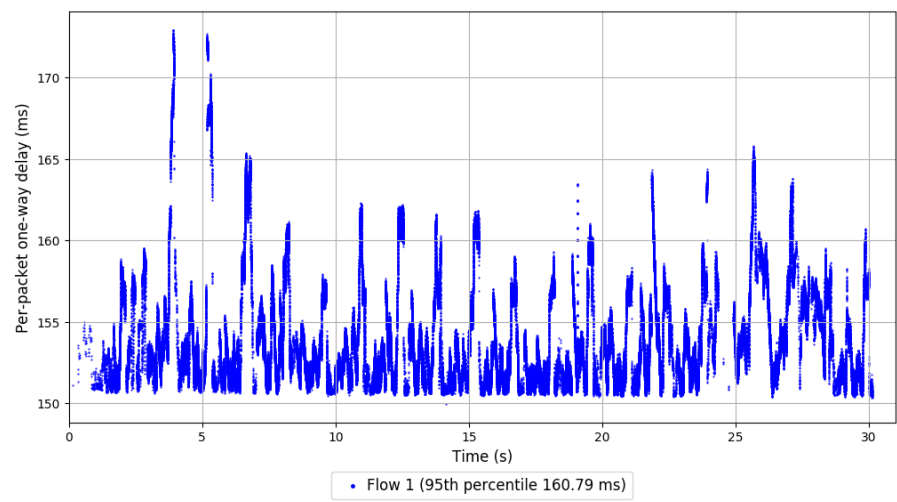
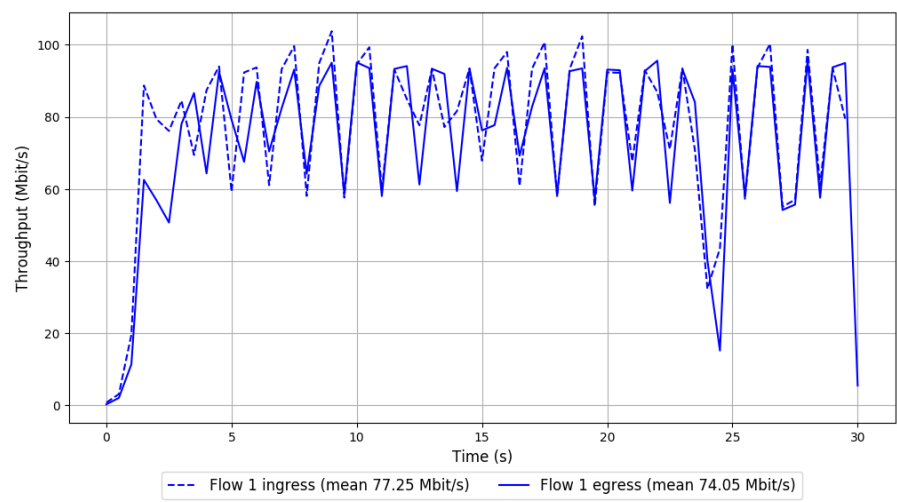
-- Flow 1:

Average throughput: 74.05 Mbit/s

95th percentile per-packet one-way delay: 160.790 ms

Loss rate: 4.14%

Run 3: Report of TCP BBR — Data Link

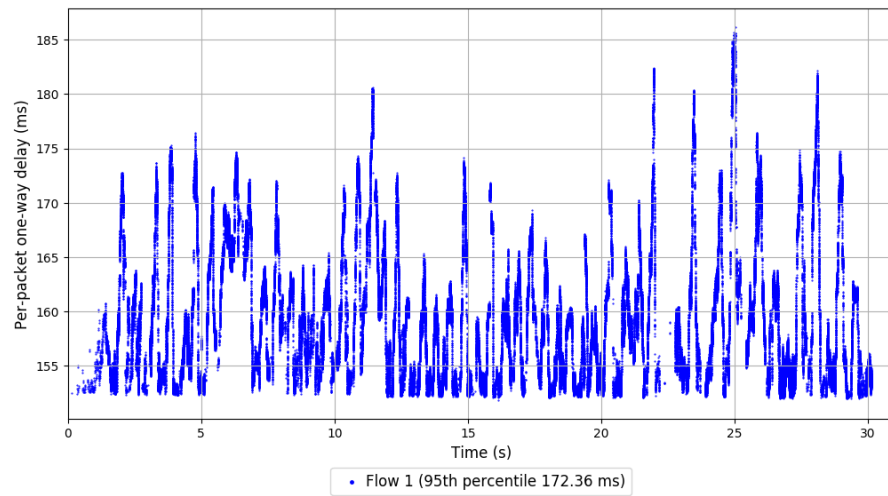
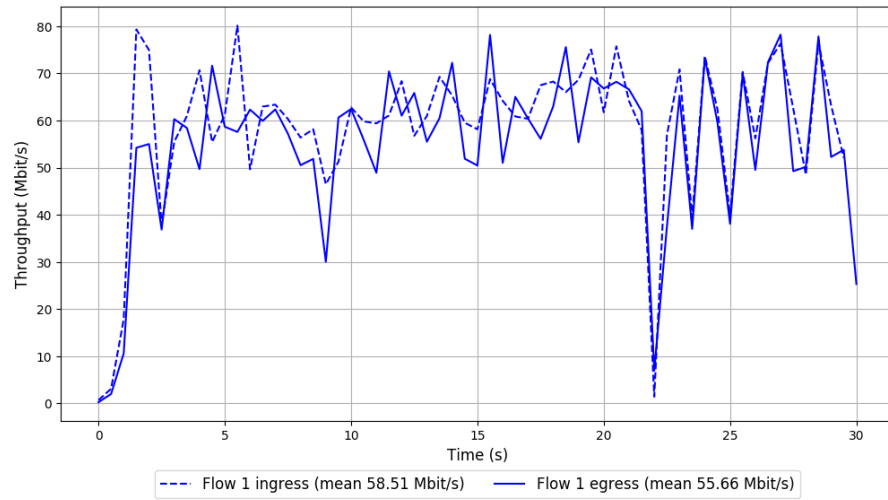


Run 4: Statistics of TCP BBR

Start at: 2018-04-24 09:50:45
End at: 2018-04-24 09:51:15
Local clock offset: 6.085 ms
Remote clock offset: -23.082 ms

Below is generated by plot.py at 2018-04-24 12:36:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.66 Mbit/s
95th percentile per-packet one-way delay: 172.364 ms
Loss rate: 4.86%
-- Flow 1:
Average throughput: 55.66 Mbit/s
95th percentile per-packet one-way delay: 172.364 ms
Loss rate: 4.86%

Run 4: Report of TCP BBR — Data Link

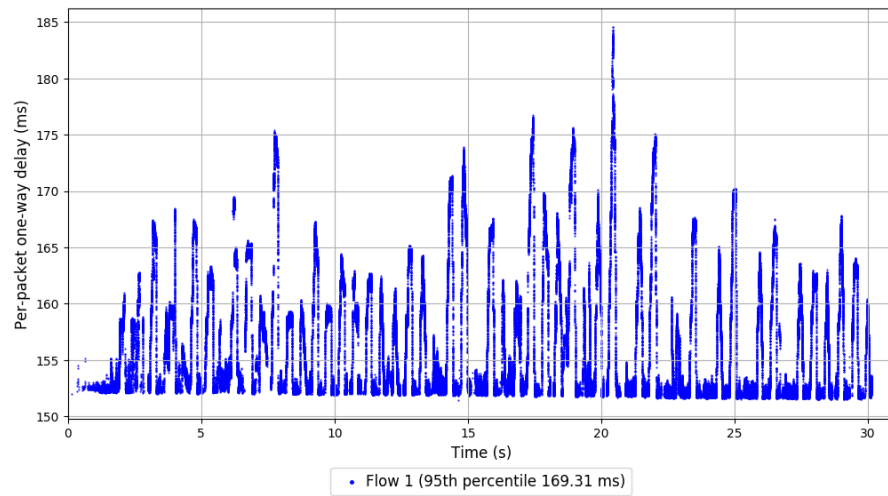
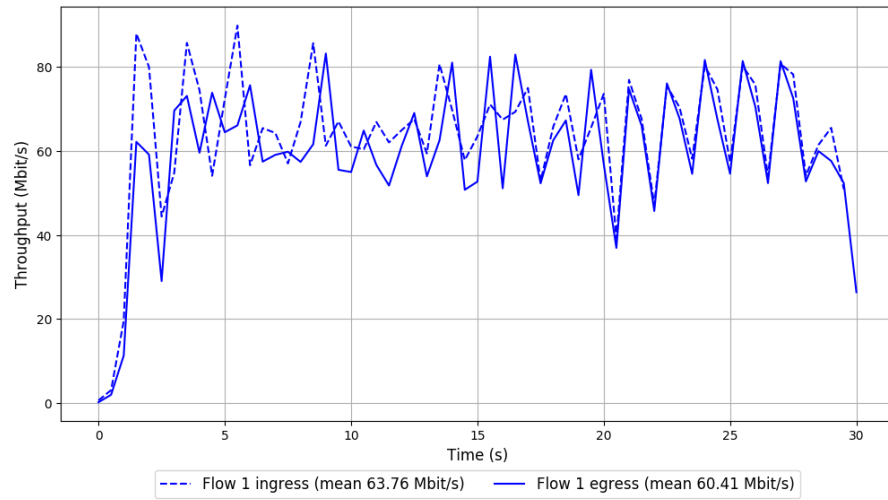


Run 5: Statistics of TCP BBR

Start at: 2018-04-24 10:11:51
End at: 2018-04-24 10:12:21
Local clock offset: 7.199 ms
Remote clock offset: -15.268 ms

Below is generated by plot.py at 2018-04-24 12:36:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.41 Mbit/s
95th percentile per-packet one-way delay: 169.313 ms
Loss rate: 5.26%
-- Flow 1:
Average throughput: 60.41 Mbit/s
95th percentile per-packet one-way delay: 169.313 ms
Loss rate: 5.26%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-24 10:33:22

End at: 2018-04-24 10:33:52

Local clock offset: 6.625 ms

Remote clock offset: 12.16 ms

Below is generated by plot.py at 2018-04-24 12:36:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.15 Mbit/s

95th percentile per-packet one-way delay: 328.515 ms

Loss rate: 5.23%

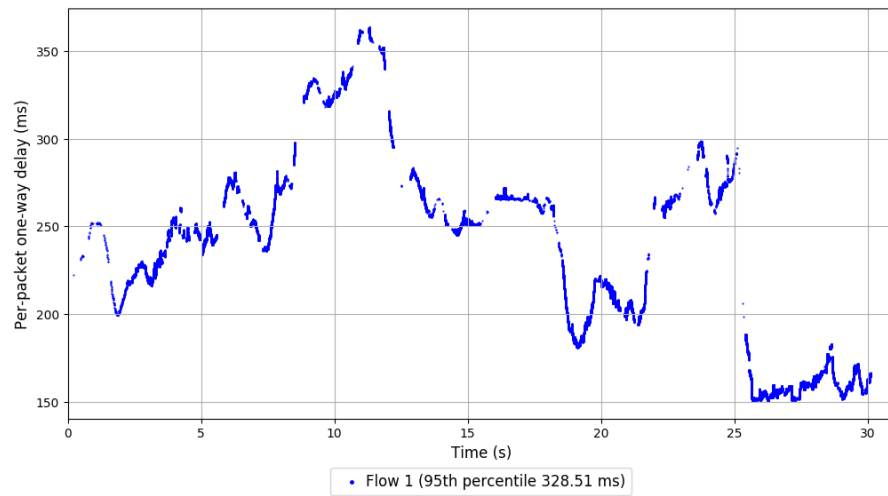
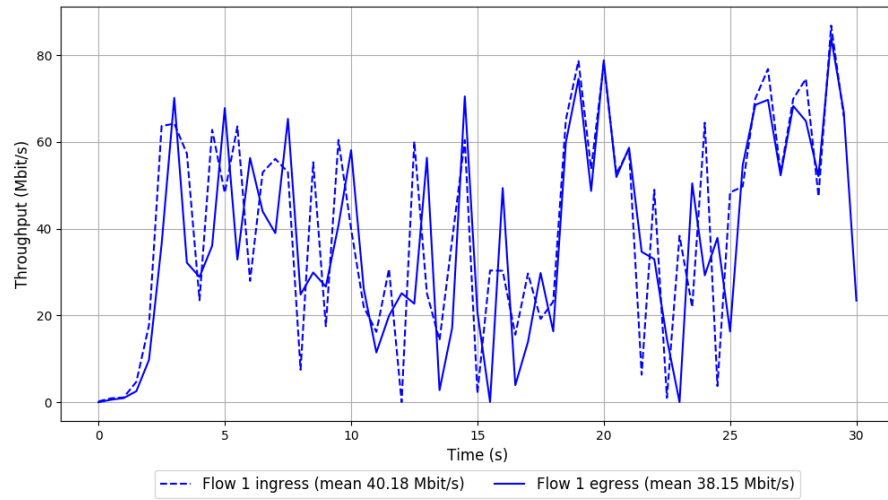
-- Flow 1:

Average throughput: 38.15 Mbit/s

95th percentile per-packet one-way delay: 328.515 ms

Loss rate: 5.23%

Run 6: Report of TCP BBR — Data Link

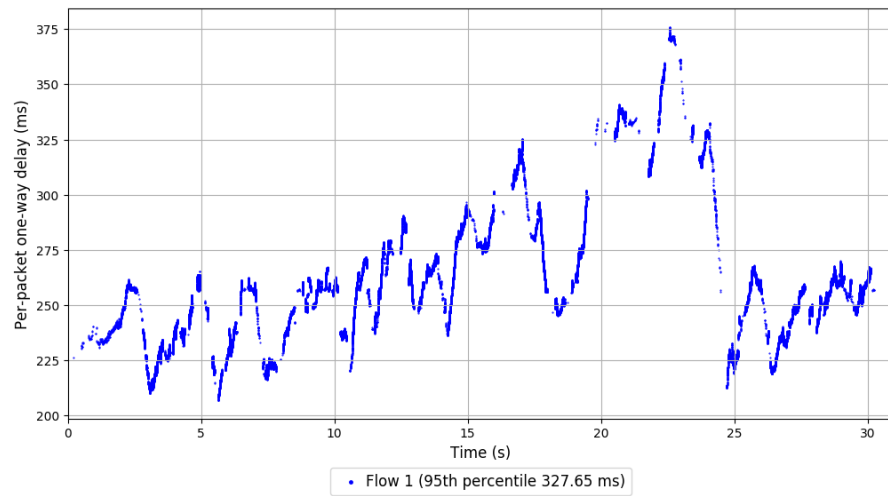
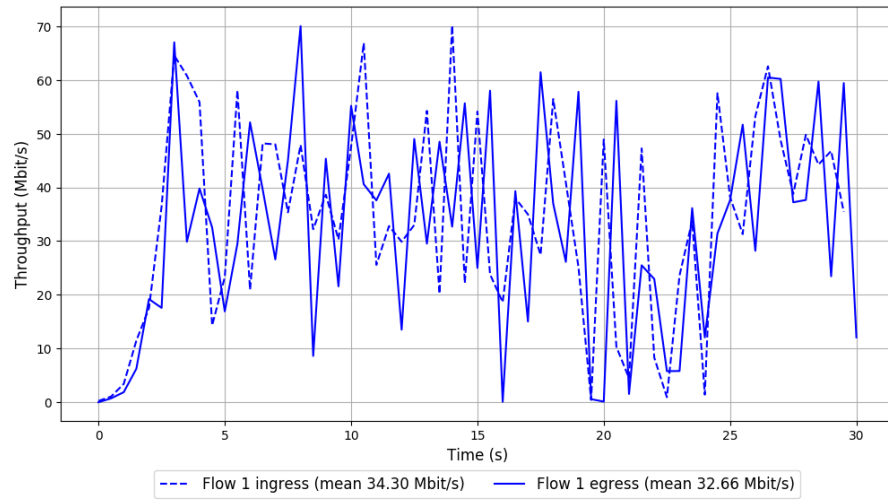


Run 7: Statistics of TCP BBR

Start at: 2018-04-24 10:55:25
End at: 2018-04-24 10:55:55
Local clock offset: -0.972 ms
Remote clock offset: 10.188 ms

Below is generated by plot.py at 2018-04-24 12:36:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 327.654 ms
Loss rate: 4.68%
-- Flow 1:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 327.654 ms
Loss rate: 4.68%

Run 7: Report of TCP BBR — Data Link

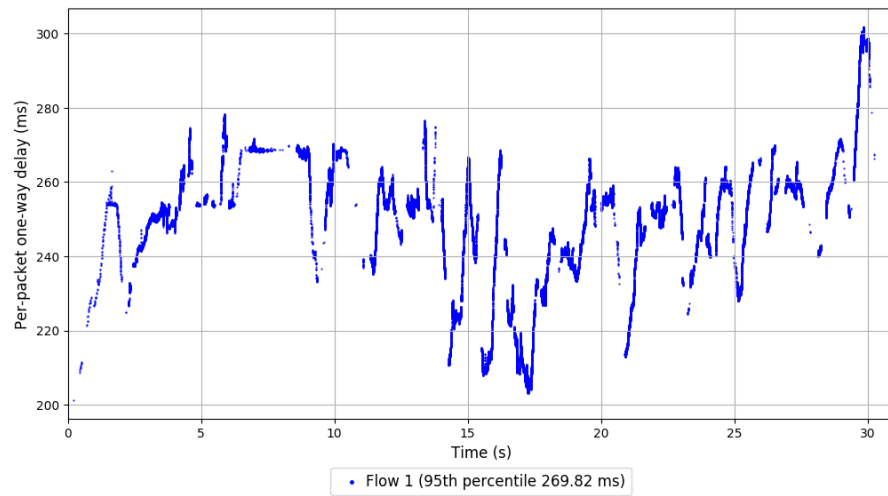
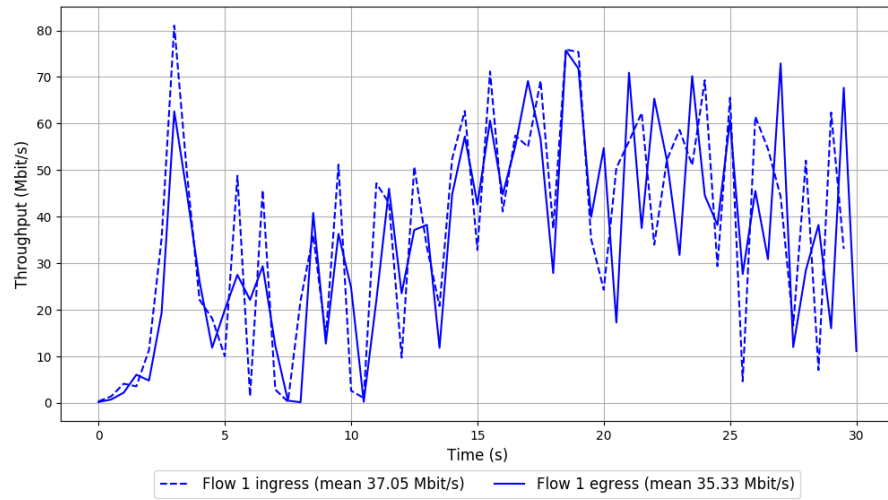


Run 8: Statistics of TCP BBR

Start at: 2018-04-24 11:17:15
End at: 2018-04-24 11:17:45
Local clock offset: -6.57 ms
Remote clock offset: 10.483 ms

Below is generated by plot.py at 2018-04-24 12:36:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.33 Mbit/s
95th percentile per-packet one-way delay: 269.823 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 35.33 Mbit/s
95th percentile per-packet one-way delay: 269.823 ms
Loss rate: 4.44%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-24 11:39:05

End at: 2018-04-24 11:39:35

Local clock offset: -1.154 ms

Remote clock offset: 6.312 ms

Below is generated by plot.py at 2018-04-24 12:36:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.53 Mbit/s

95th percentile per-packet one-way delay: 280.560 ms

Loss rate: 6.08%

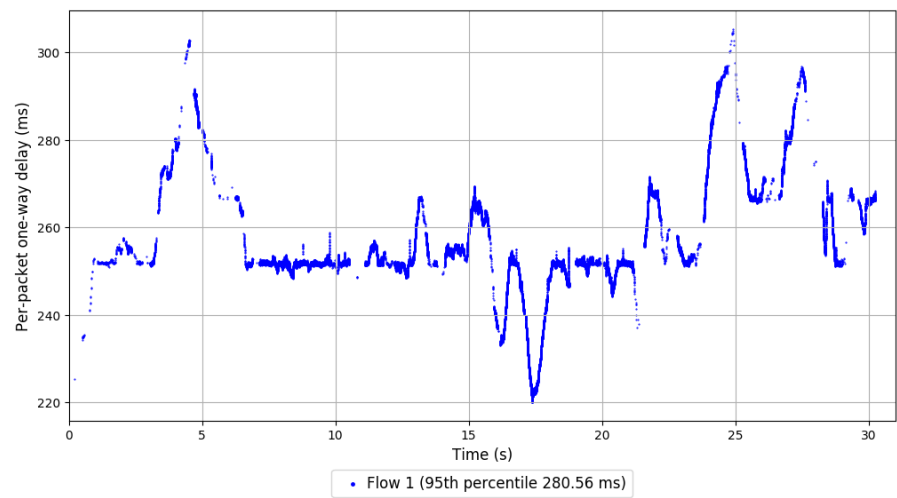
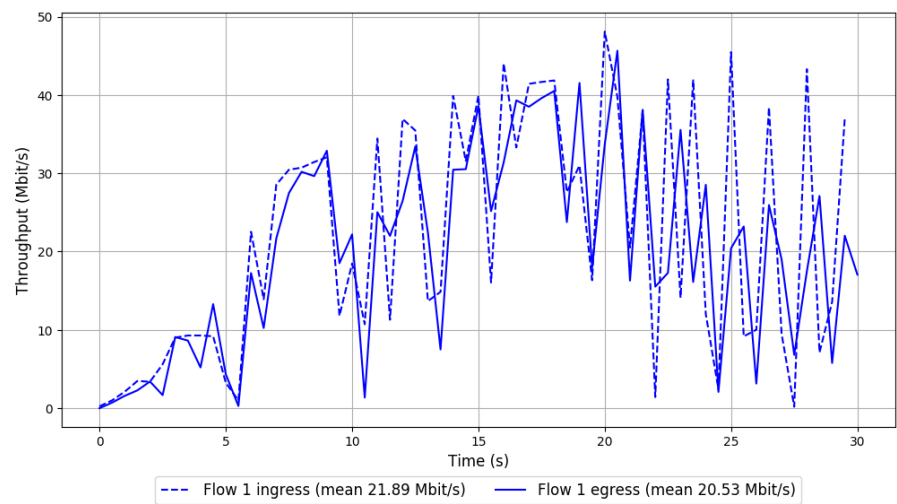
-- Flow 1:

Average throughput: 20.53 Mbit/s

95th percentile per-packet one-way delay: 280.560 ms

Loss rate: 6.08%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-24 12:00:53

End at: 2018-04-24 12:01:23

Local clock offset: -0.357 ms

Remote clock offset: 1.516 ms

Below is generated by plot.py at 2018-04-24 12:36:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.90 Mbit/s

95th percentile per-packet one-way delay: 256.642 ms

Loss rate: 2.71%

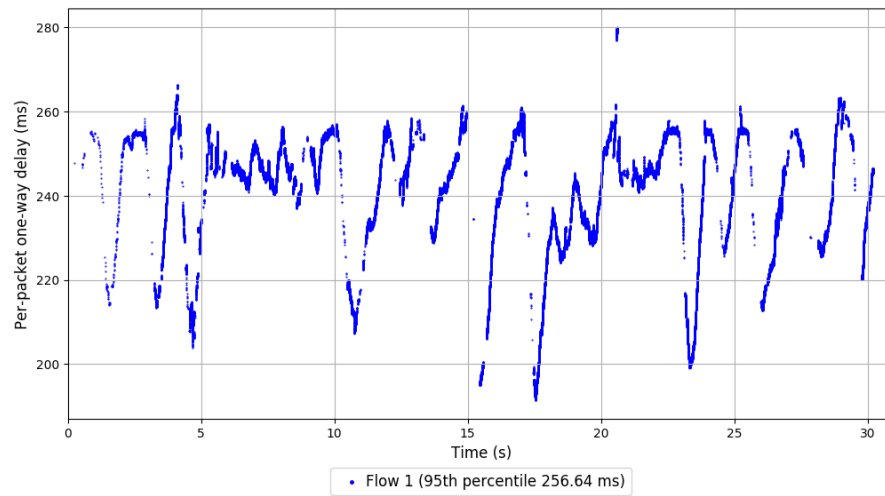
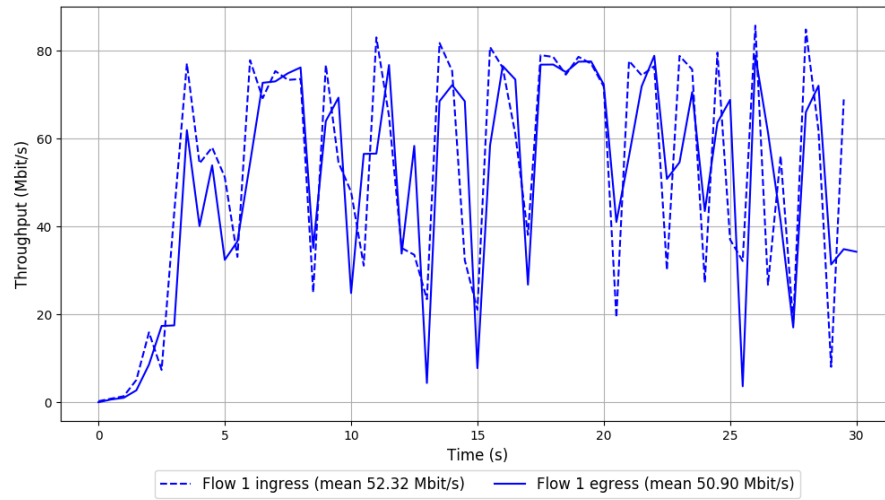
-- Flow 1:

Average throughput: 50.90 Mbit/s

95th percentile per-packet one-way delay: 256.642 ms

Loss rate: 2.71%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 08:51:59

End at: 2018-04-24 08:52:29

Local clock offset: -4.485 ms

Remote clock offset: 25.69 ms

Below is generated by plot.py at 2018-04-24 12:36:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.28 Mbit/s

95th percentile per-packet one-way delay: 197.886 ms

Loss rate: 0.42%

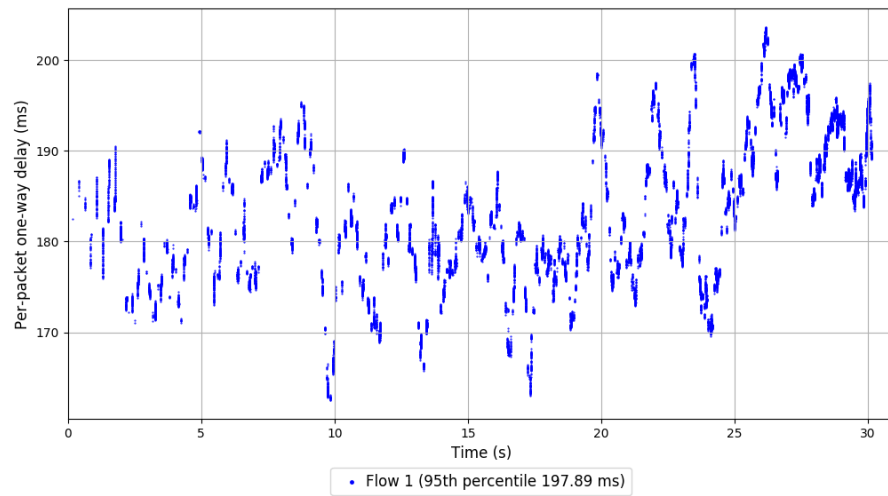
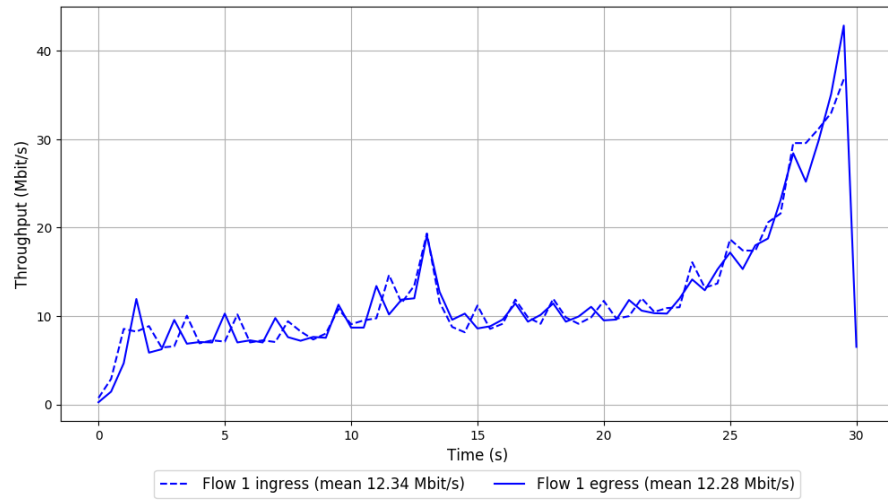
-- Flow 1:

Average throughput: 12.28 Mbit/s

95th percentile per-packet one-way delay: 197.886 ms

Loss rate: 0.42%

Run 1: Report of TCP Cubic — Data Link

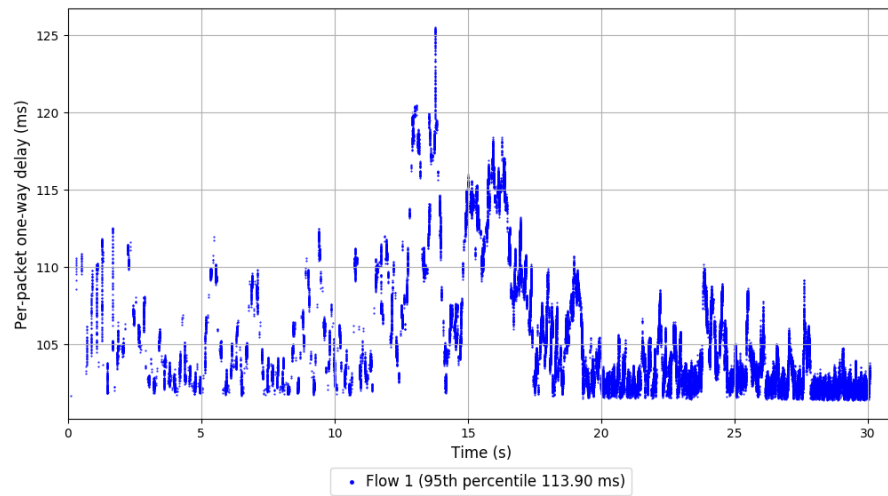
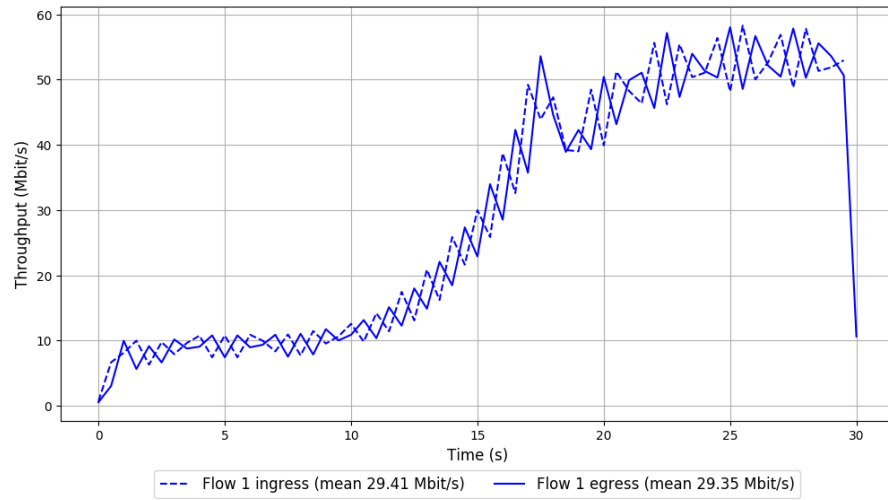


Run 2: Statistics of TCP Cubic

Start at: 2018-04-24 09:13:10
End at: 2018-04-24 09:13:40
Local clock offset: 1.307 ms
Remote clock offset: -47.873 ms

Below is generated by plot.py at 2018-04-24 12:36:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.35 Mbit/s
95th percentile per-packet one-way delay: 113.904 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 29.35 Mbit/s
95th percentile per-packet one-way delay: 113.904 ms
Loss rate: 0.19%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-24 09:34:28

End at: 2018-04-24 09:34:59

Local clock offset: 4.81 ms

Remote clock offset: 0.53 ms

Below is generated by plot.py at 2018-04-24 12:36:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.25 Mbit/s

95th percentile per-packet one-way delay: 159.258 ms

Loss rate: 0.14%

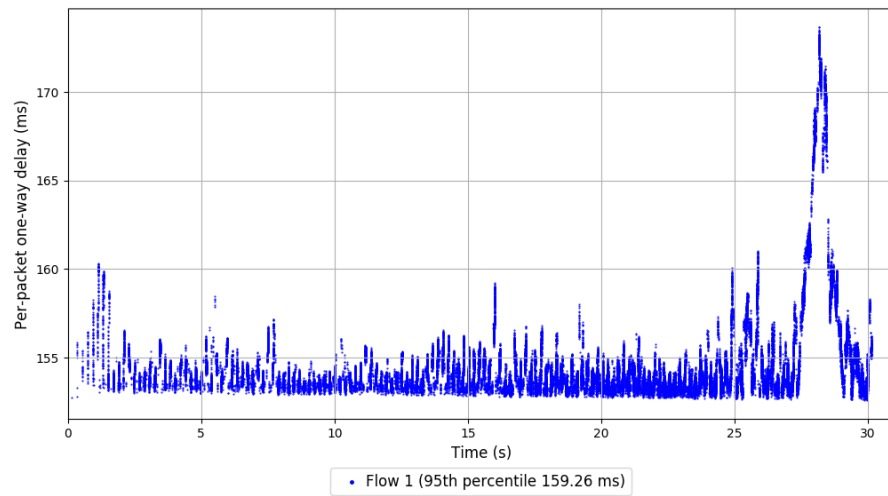
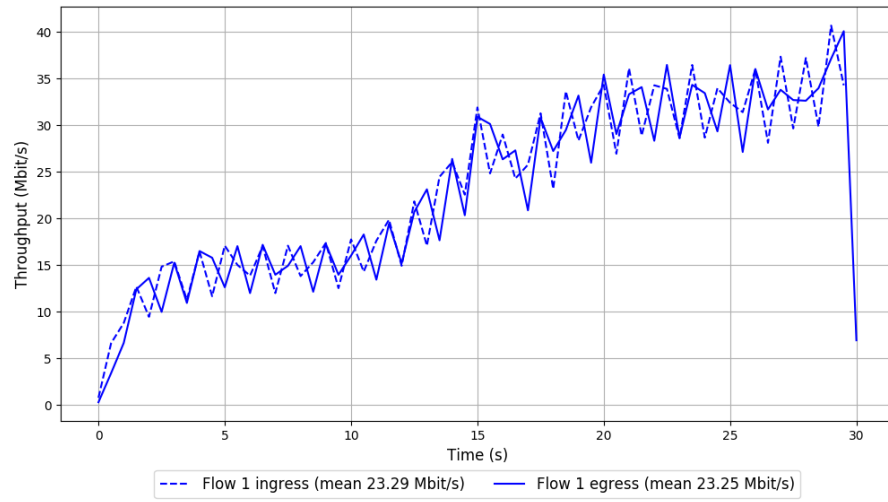
-- Flow 1:

Average throughput: 23.25 Mbit/s

95th percentile per-packet one-way delay: 159.258 ms

Loss rate: 0.14%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-24 09:55:41

End at: 2018-04-24 09:56:11

Local clock offset: 6.381 ms

Remote clock offset: 5.952 ms

Below is generated by plot.py at 2018-04-24 12:36:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.87 Mbit/s

95th percentile per-packet one-way delay: 180.688 ms

Loss rate: 0.40%

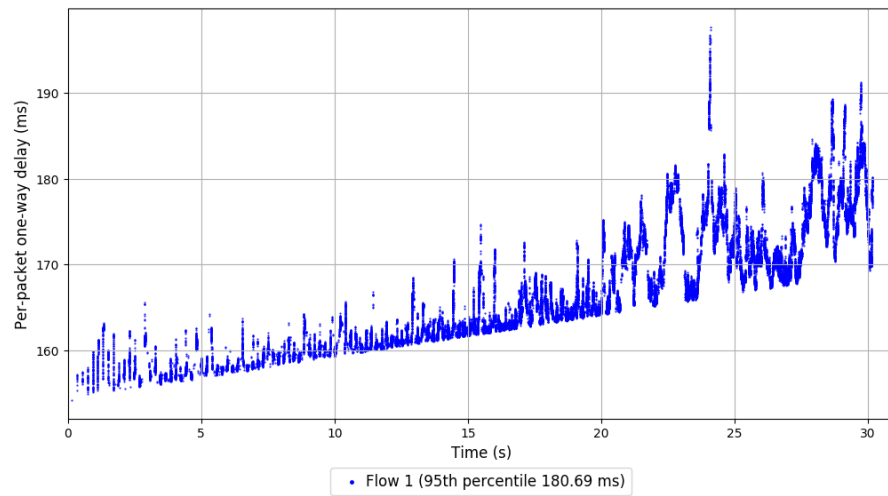
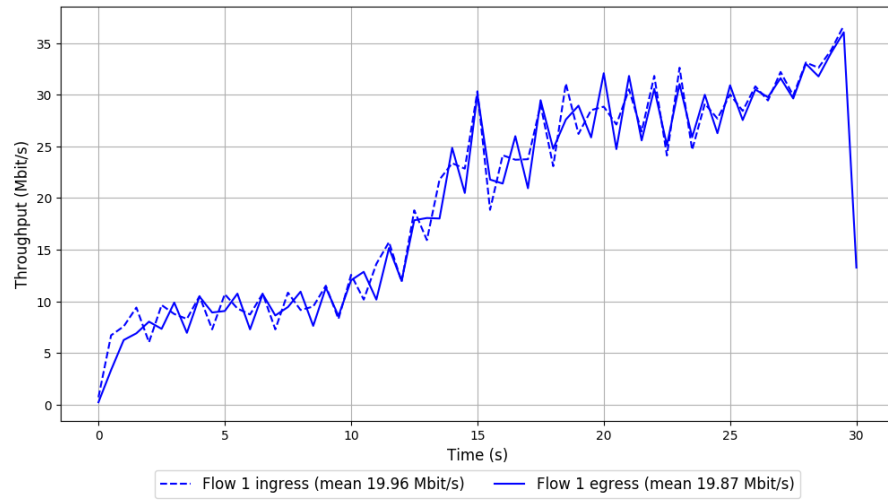
-- Flow 1:

Average throughput: 19.87 Mbit/s

95th percentile per-packet one-way delay: 180.688 ms

Loss rate: 0.40%

Run 4: Report of TCP Cubic — Data Link

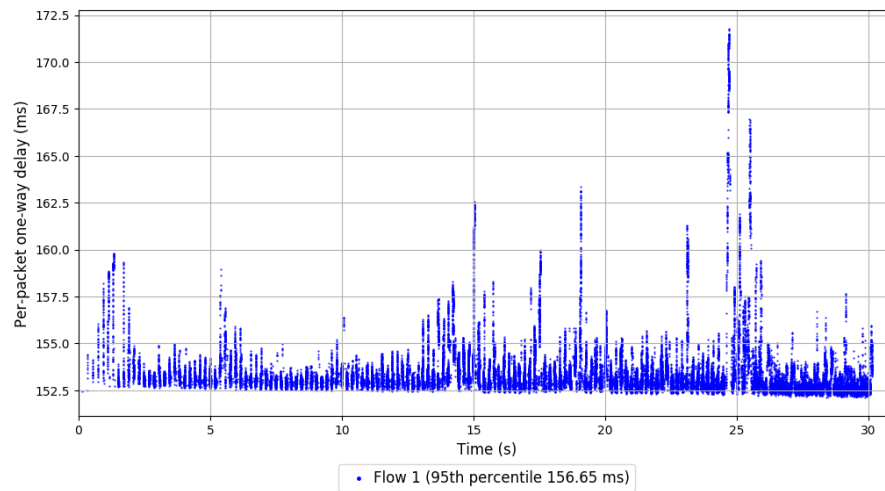
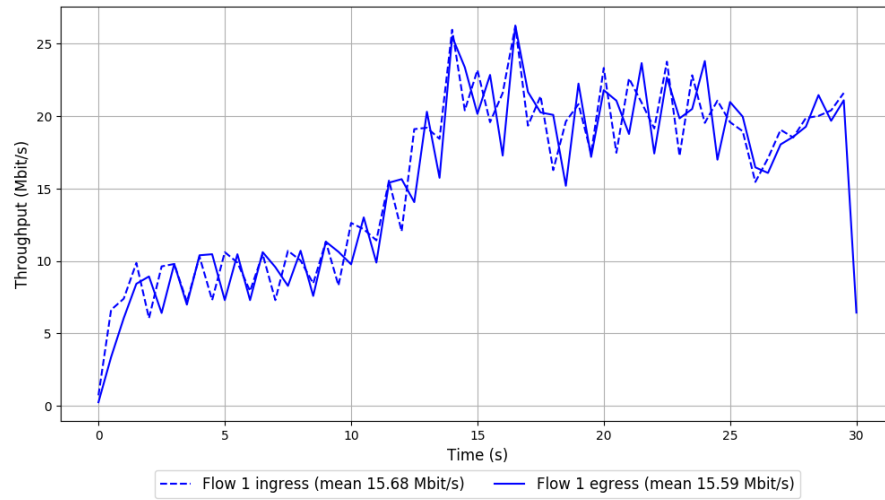


Run 5: Statistics of TCP Cubic

Start at: 2018-04-24 10:16:47
End at: 2018-04-24 10:17:17
Local clock offset: 6.792 ms
Remote clock offset: -9.803 ms

Below is generated by plot.py at 2018-04-24 12:36:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.59 Mbit/s
95th percentile per-packet one-way delay: 156.649 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 15.59 Mbit/s
95th percentile per-packet one-way delay: 156.649 ms
Loss rate: 0.58%

Run 5: Report of TCP Cubic — Data Link

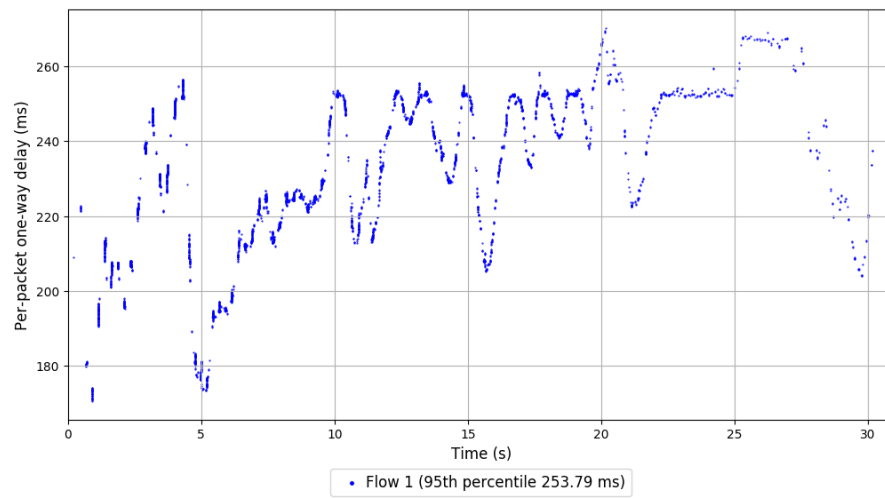
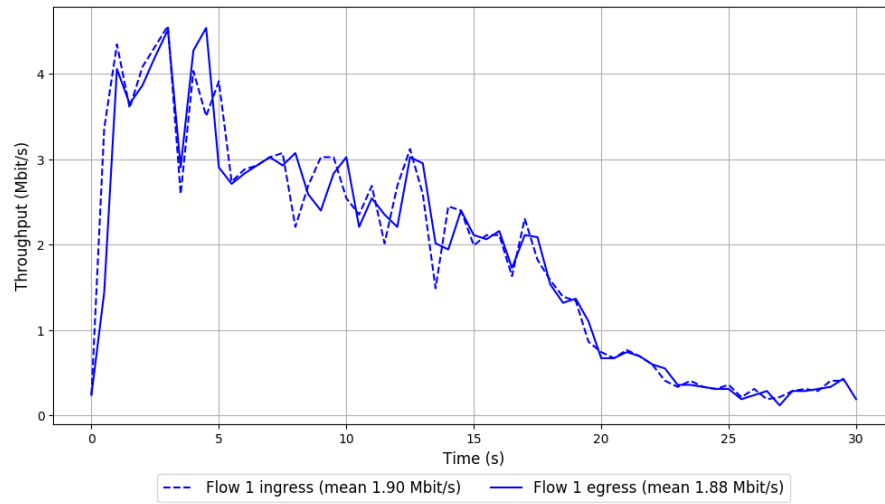


Run 6: Statistics of TCP Cubic

Start at: 2018-04-24 10:38:32
End at: 2018-04-24 10:39:02
Local clock offset: 6.827 ms
Remote clock offset: 16.557 ms

Below is generated by plot.py at 2018-04-24 12:36:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 253.794 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 253.794 ms
Loss rate: 1.26%

Run 6: Report of TCP Cubic — Data Link

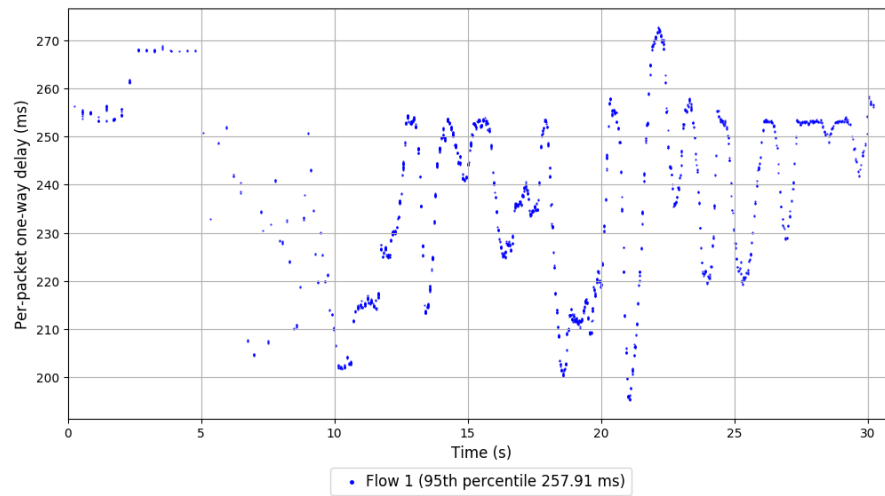
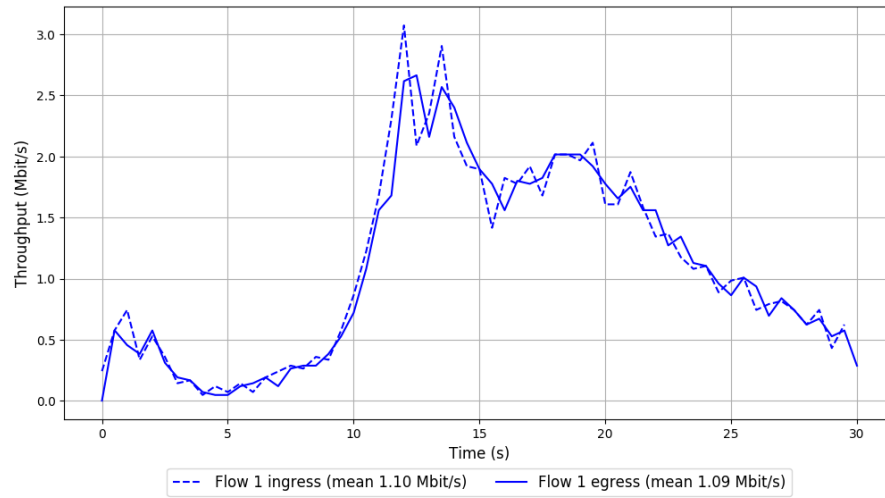


Run 7: Statistics of TCP Cubic

Start at: 2018-04-24 11:00:30
End at: 2018-04-24 11:01:00
Local clock offset: -2.738 ms
Remote clock offset: 11.769 ms

Below is generated by plot.py at 2018-04-24 12:36:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 257.906 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 257.906 ms
Loss rate: 1.42%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-24 11:22:23

End at: 2018-04-24 11:22:53

Local clock offset: -5.032 ms

Remote clock offset: 7.066 ms

Below is generated by plot.py at 2018-04-24 12:36:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 289.737 ms

Loss rate: 4.33%

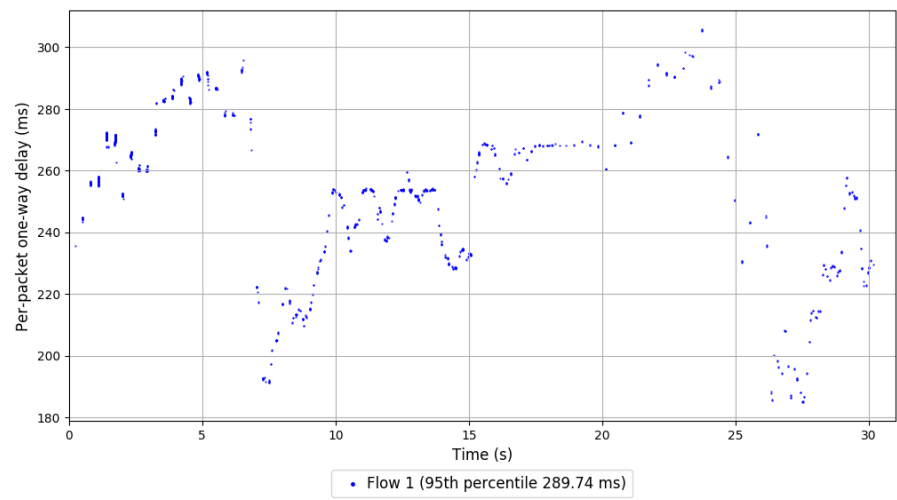
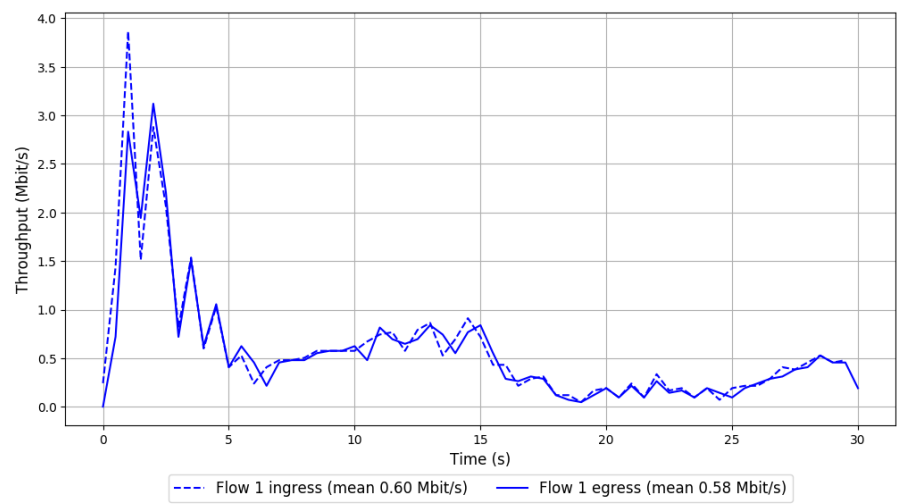
-- Flow 1:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 289.737 ms

Loss rate: 4.33%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-24 11:44:08

End at: 2018-04-24 11:44:38

Local clock offset: -1.117 ms

Remote clock offset: 7.094 ms

Below is generated by plot.py at 2018-04-24 12:36:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 264.163 ms

Loss rate: 2.11%

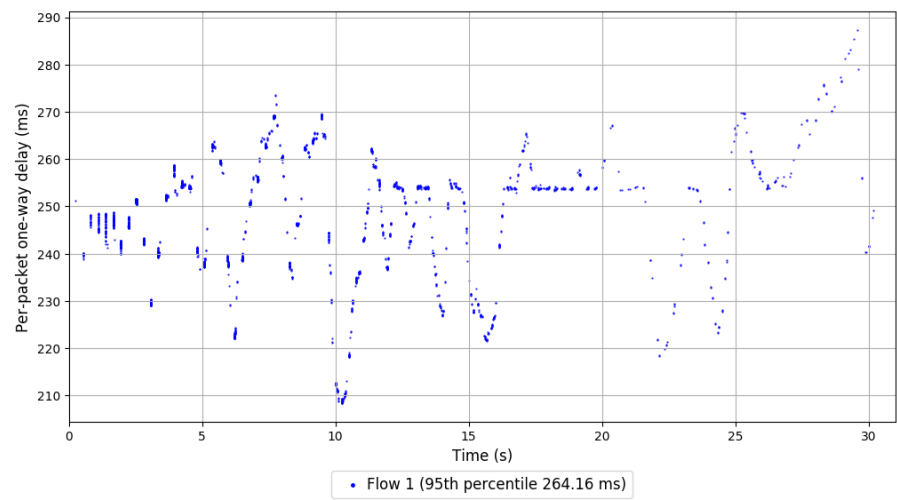
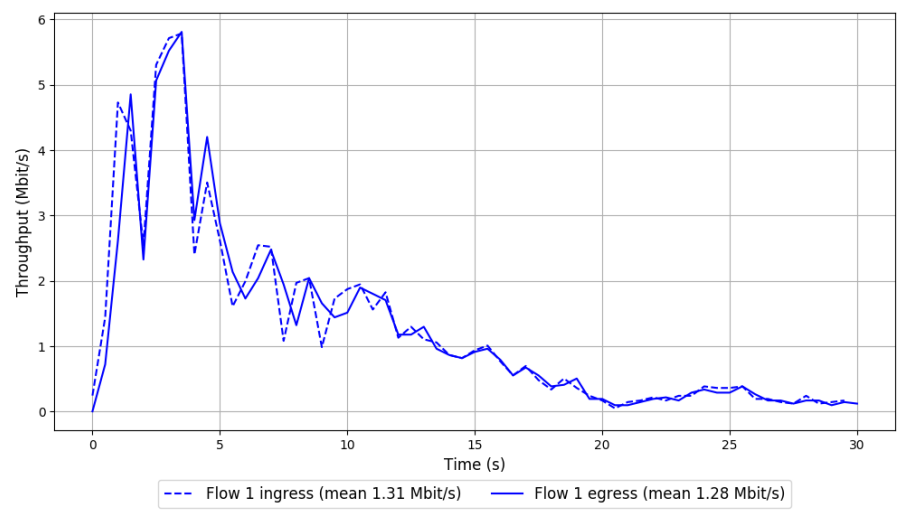
-- Flow 1:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 264.163 ms

Loss rate: 2.11%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-24 12:05:59

End at: 2018-04-24 12:06:29

Local clock offset: -0.335 ms

Remote clock offset: 1.0 ms

Below is generated by plot.py at 2018-04-24 12:36:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.08 Mbit/s

95th percentile per-packet one-way delay: 254.621 ms

Loss rate: 0.45%

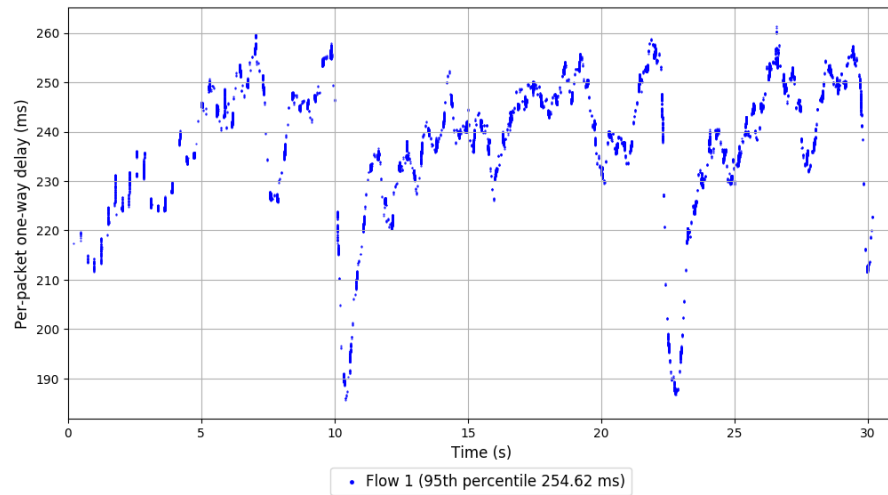
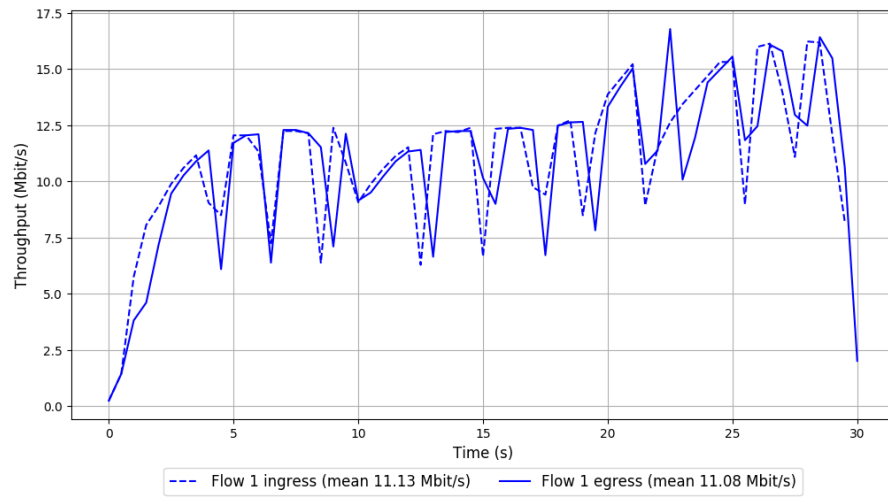
-- Flow 1:

Average throughput: 11.08 Mbit/s

95th percentile per-packet one-way delay: 254.621 ms

Loss rate: 0.45%

Run 10: Report of TCP Cubic — Data Link

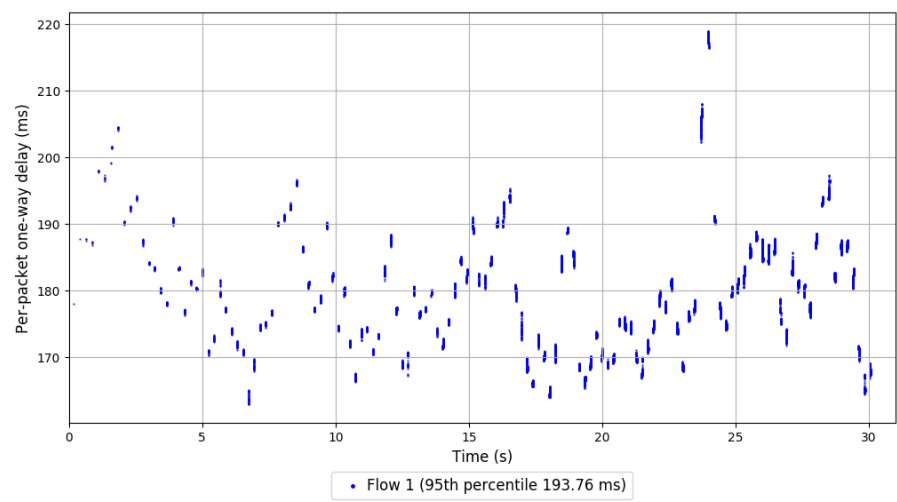
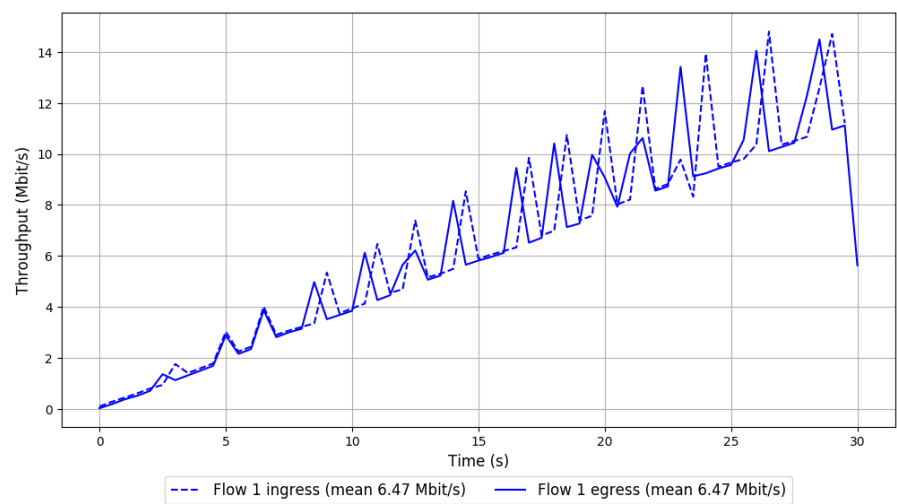


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-24 08:59:25
End at: 2018-04-24 08:59:55
Local clock offset: -4.849 ms
Remote clock offset: -19.657 ms

# Below is generated by plot.py at 2018-04-24 12:36:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 193.763 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 193.763 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-04-24 09:20:44

End at: 2018-04-24 09:21:14

Local clock offset: 3.24 ms

Remote clock offset: 9.961 ms

Below is generated by plot.py at 2018-04-24 12:36:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.42 Mbit/s

95th percentile per-packet one-way delay: 158.198 ms

Loss rate: 0.00%

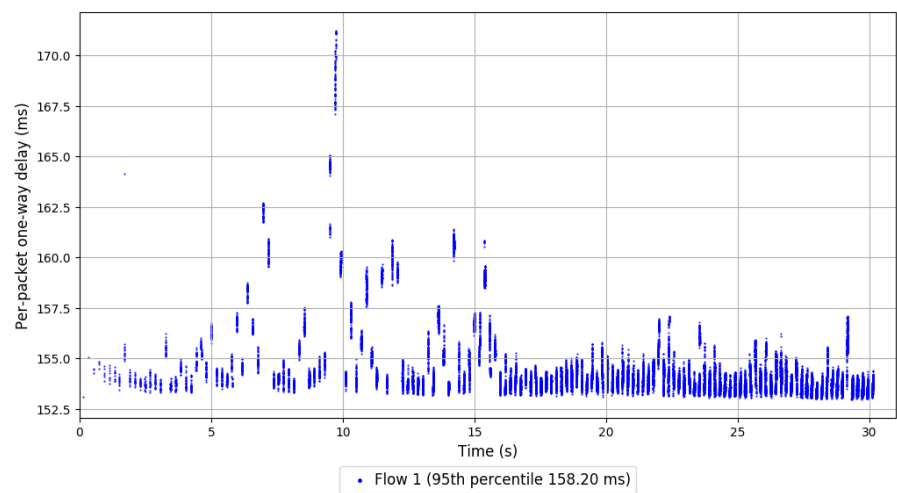
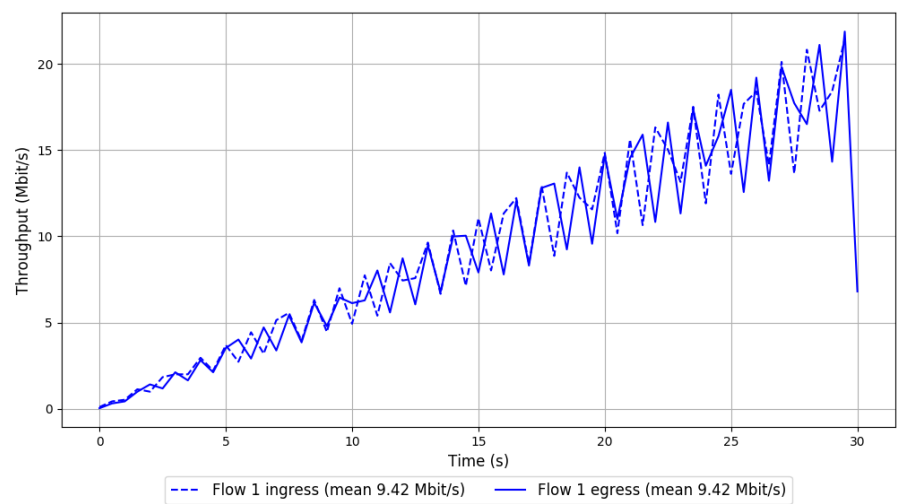
-- Flow 1:

Average throughput: 9.42 Mbit/s

95th percentile per-packet one-way delay: 158.198 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-24 09:42:02

End at: 2018-04-24 09:42:32

Local clock offset: 5.556 ms

Remote clock offset: 7.444 ms

Below is generated by plot.py at 2018-04-24 12:36:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.45 Mbit/s

95th percentile per-packet one-way delay: 156.749 ms

Loss rate: 0.39%

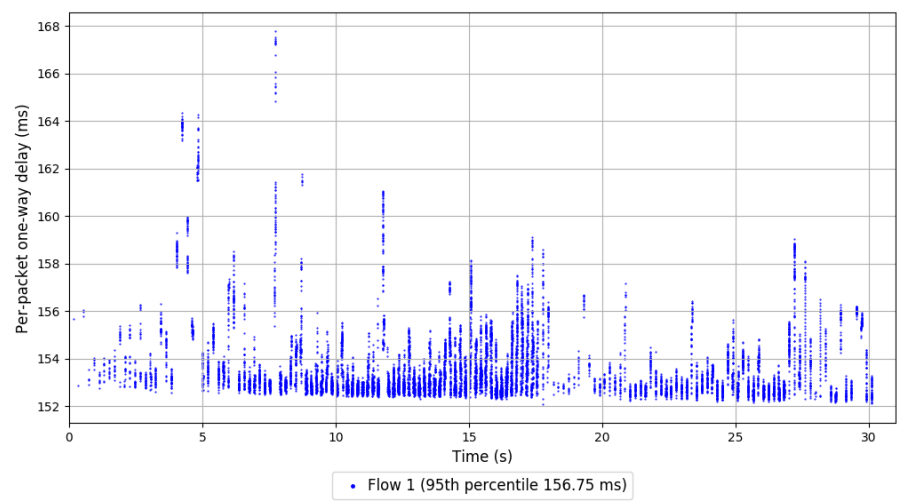
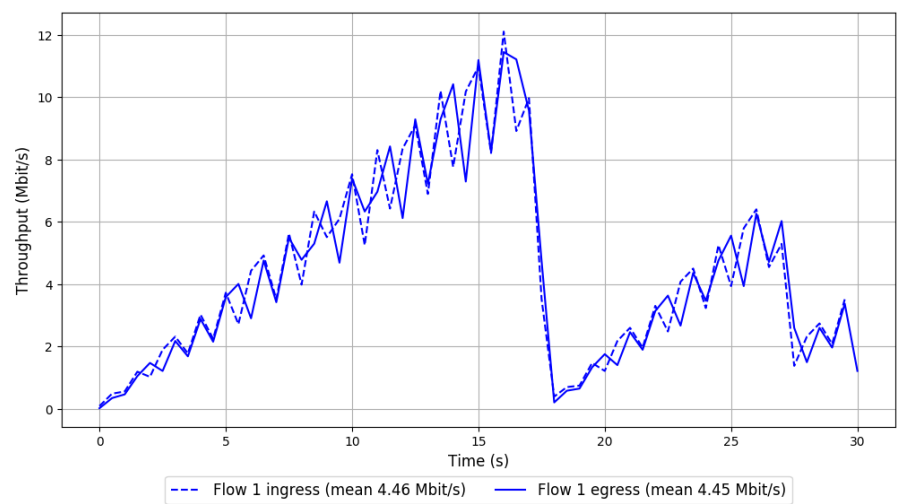
-- Flow 1:

Average throughput: 4.45 Mbit/s

95th percentile per-packet one-way delay: 156.749 ms

Loss rate: 0.39%

Run 3: Report of LEDBAT — Data Link

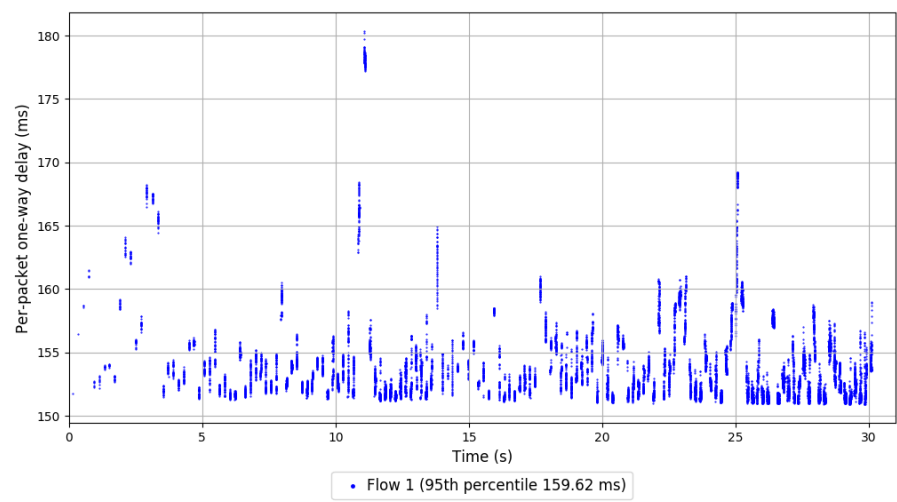
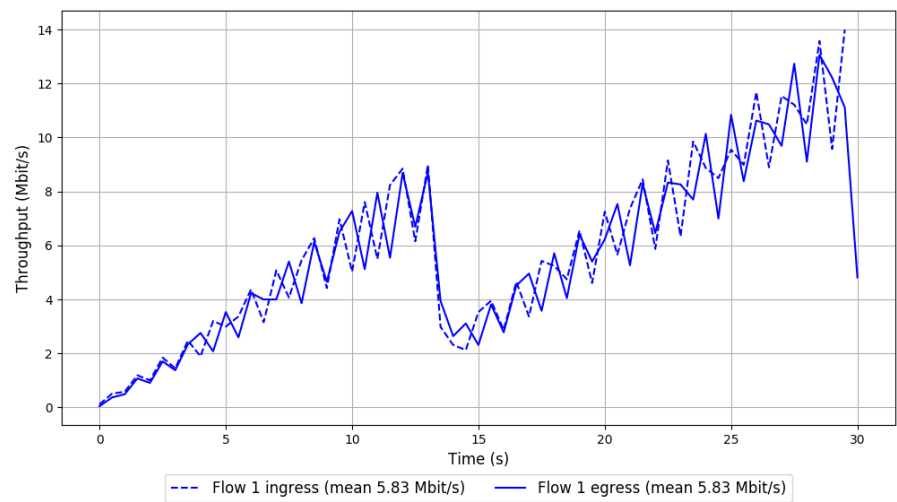


Run 4: Statistics of LEDBAT

Start at: 2018-04-24 10:03:08
End at: 2018-04-24 10:03:38
Local clock offset: 6.893 ms
Remote clock offset: -6.716 ms

Below is generated by plot.py at 2018-04-24 12:36:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.83 Mbit/s
95th percentile per-packet one-way delay: 159.615 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 5.83 Mbit/s
95th percentile per-packet one-way delay: 159.615 ms
Loss rate: 0.13%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-24 10:24:37

End at: 2018-04-24 10:25:08

Local clock offset: 6.425 ms

Remote clock offset: 4.118 ms

Below is generated by plot.py at 2018-04-24 12:36:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 253.221 ms

Loss rate: 0.70%

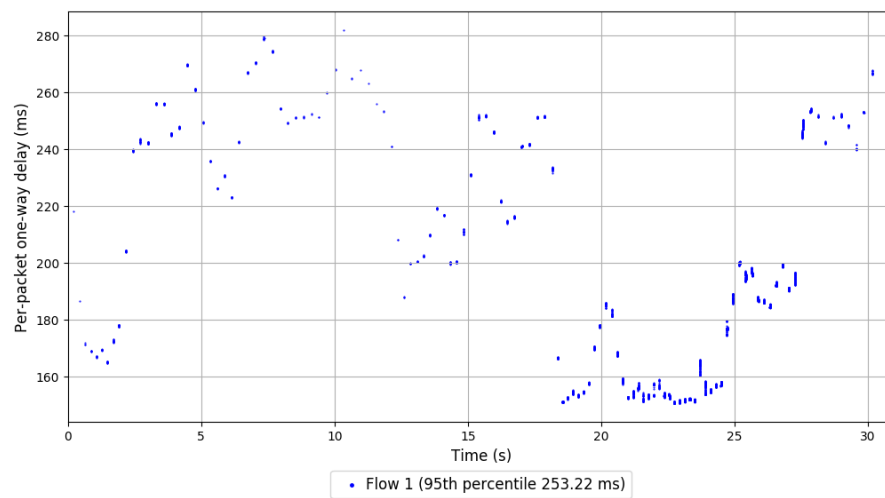
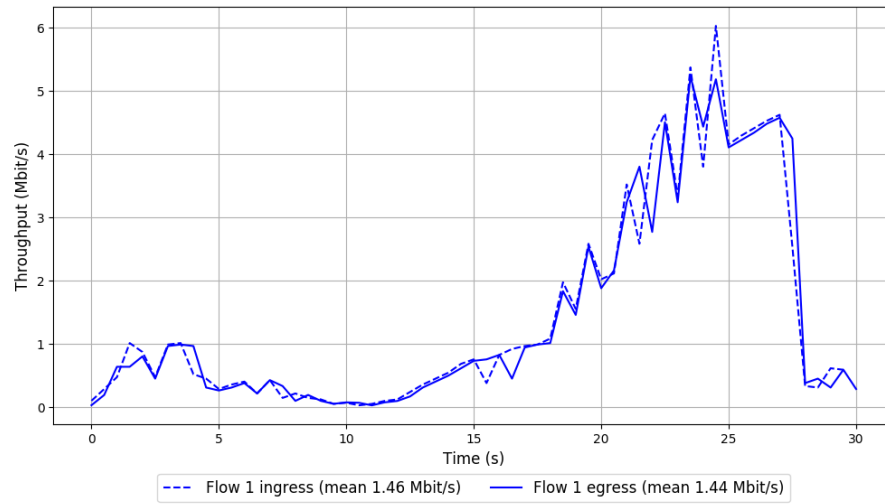
-- Flow 1:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 253.221 ms

Loss rate: 0.70%

Run 5: Report of LEDBAT — Data Link

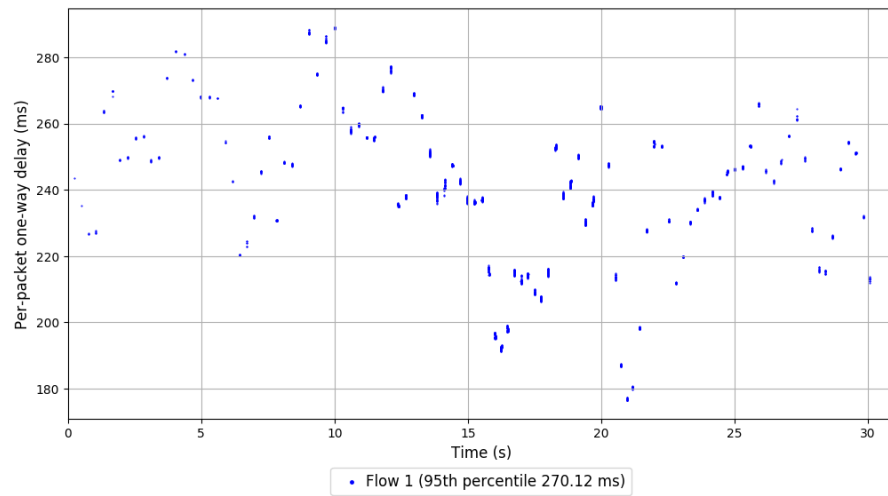
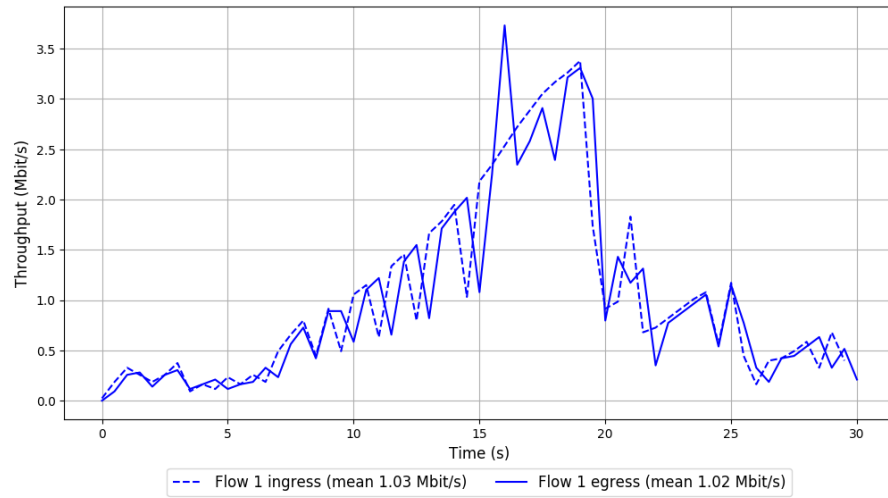


Run 6: Statistics of LEDBAT

Start at: 2018-04-24 10:46:18
End at: 2018-04-24 10:46:48
Local clock offset: 5.468 ms
Remote clock offset: 10.249 ms

Below is generated by plot.py at 2018-04-24 12:36:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 270.116 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 270.116 ms
Loss rate: 0.76%

Run 6: Report of LEDBAT — Data Link

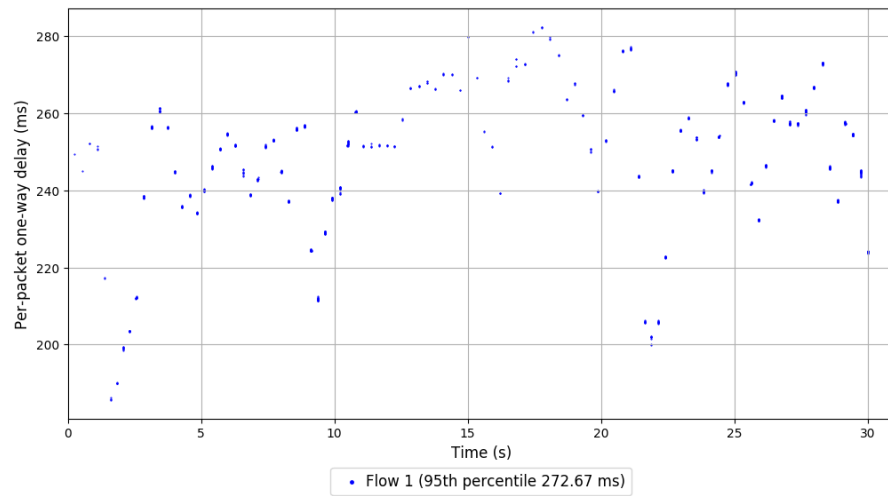
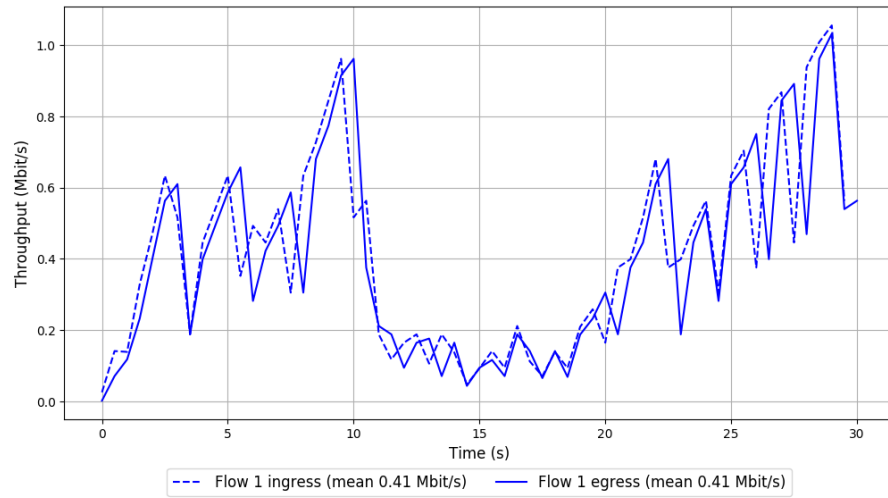


Run 7: Statistics of LEDBAT

Start at: 2018-04-24 11:08:18
End at: 2018-04-24 11:08:48
Local clock offset: -4.971 ms
Remote clock offset: 14.765 ms

Below is generated by plot.py at 2018-04-24 12:36:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 272.673 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 272.673 ms
Loss rate: 1.52%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-24 11:30:04

End at: 2018-04-24 11:30:34

Local clock offset: -2.249 ms

Remote clock offset: 5.628 ms

Below is generated by plot.py at 2018-04-24 12:36:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 278.958 ms

Loss rate: 4.23%

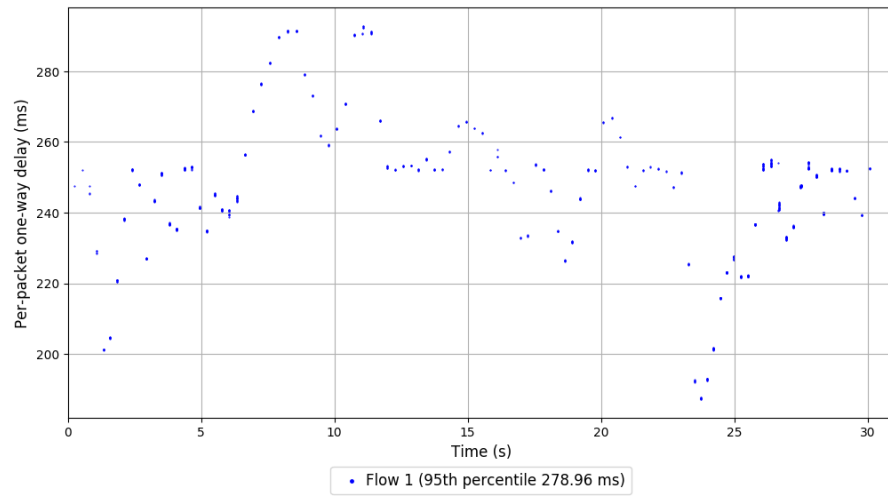
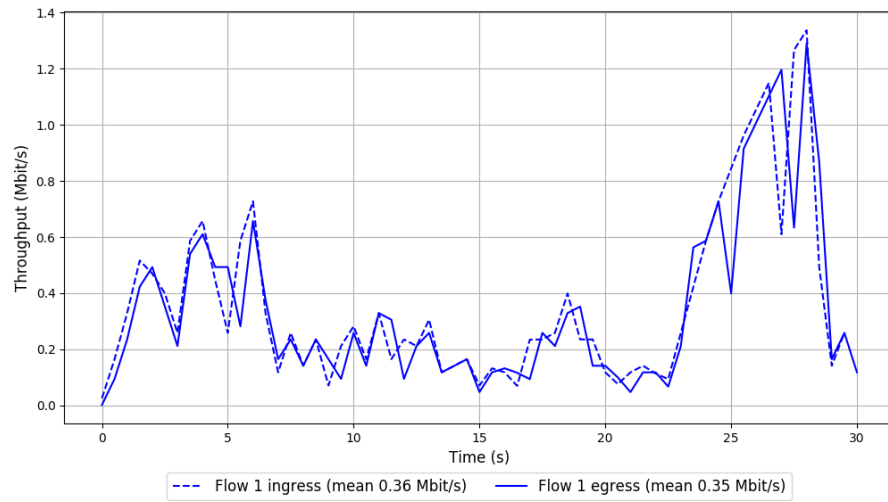
-- Flow 1:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 278.958 ms

Loss rate: 4.23%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-24 11:52:00

End at: 2018-04-24 11:52:30

Local clock offset: -1.388 ms

Remote clock offset: 4.165 ms

Below is generated by plot.py at 2018-04-24 12:36:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 254.147 ms

Loss rate: 1.87%

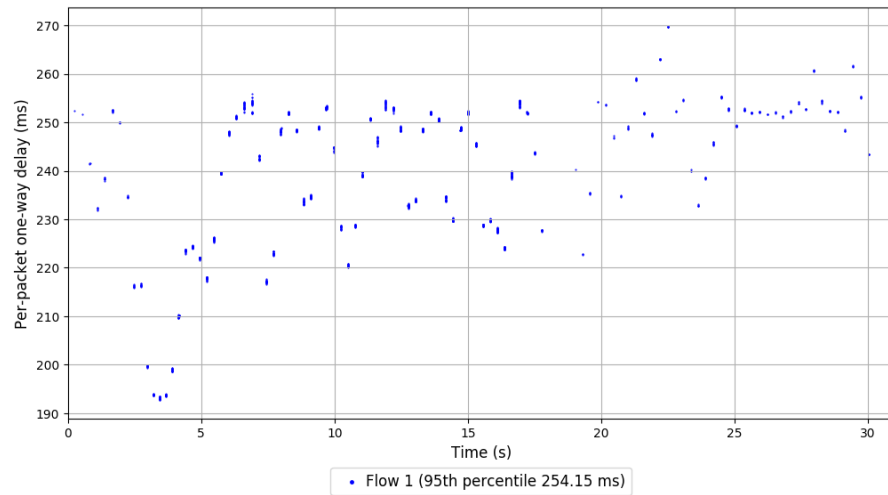
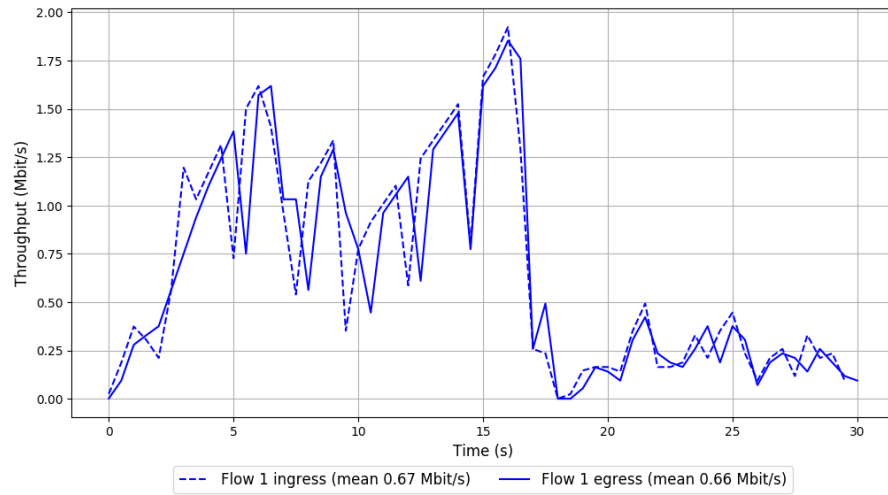
-- Flow 1:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 254.147 ms

Loss rate: 1.87%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-24 12:13:42

End at: 2018-04-24 12:14:12

Local clock offset: -0.323 ms

Remote clock offset: 0.917 ms

Below is generated by plot.py at 2018-04-24 12:36:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 251.898 ms

Loss rate: 0.00%

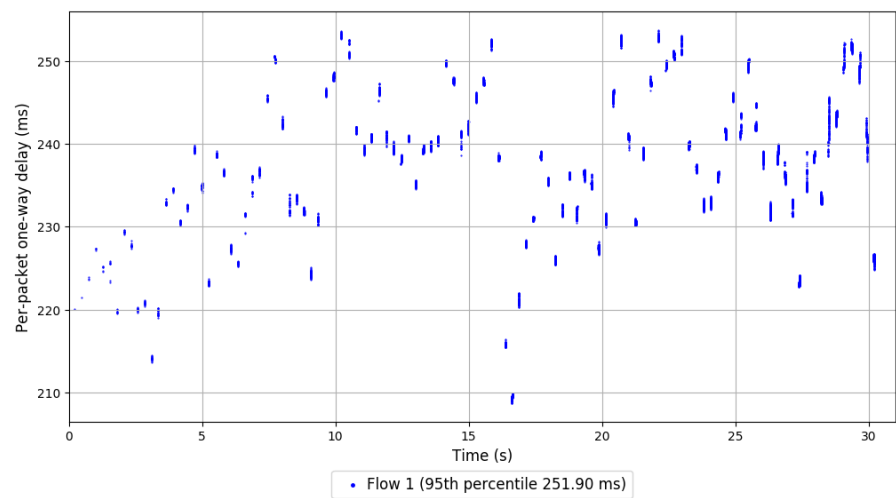
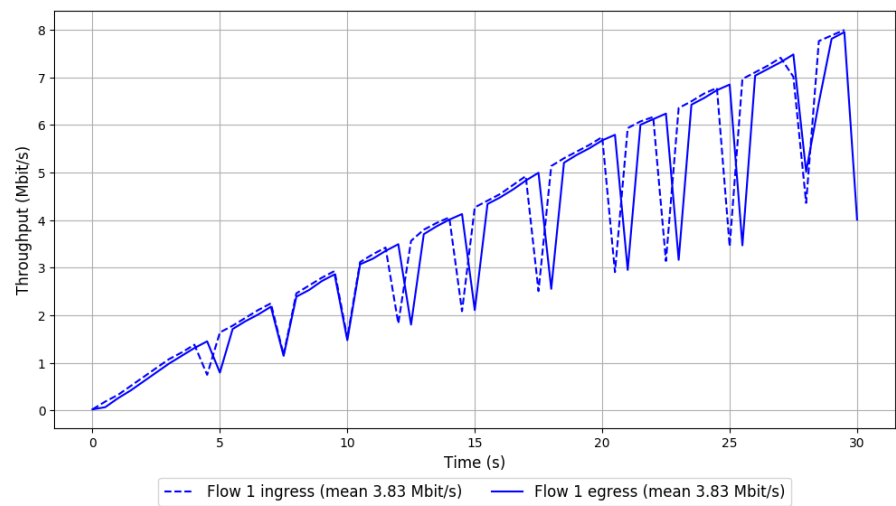
-- Flow 1:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 251.898 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-04-24 08:53:13

End at: 2018-04-24 08:53:43

Local clock offset: -4.616 ms

Remote clock offset: -1.085 ms

Below is generated by plot.py at 2018-04-24 12:37:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.83 Mbit/s

95th percentile per-packet one-way delay: 216.146 ms

Loss rate: 2.42%

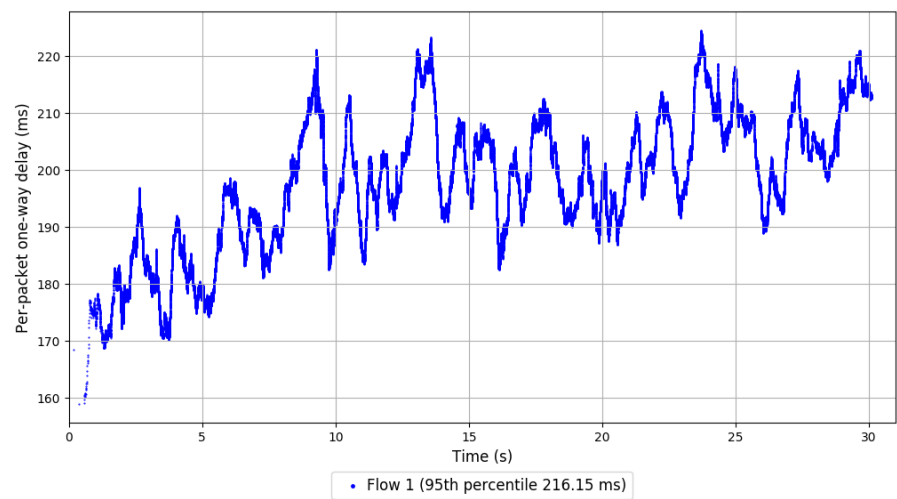
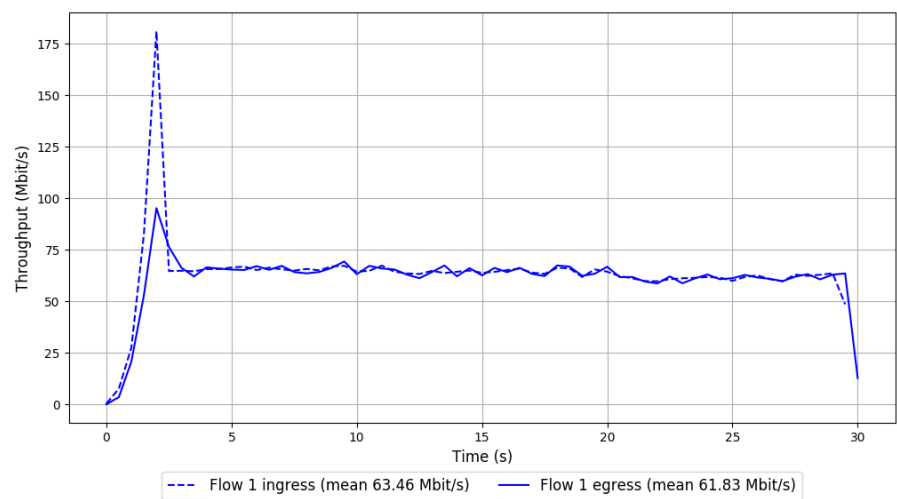
-- Flow 1:

Average throughput: 61.83 Mbit/s

95th percentile per-packet one-way delay: 216.146 ms

Loss rate: 2.42%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-24 09:14:24

End at: 2018-04-24 09:14:54

Local clock offset: 1.738 ms

Remote clock offset: 3.317 ms

Below is generated by plot.py at 2018-04-24 12:37:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.91 Mbit/s

95th percentile per-packet one-way delay: 171.841 ms

Loss rate: 2.16%

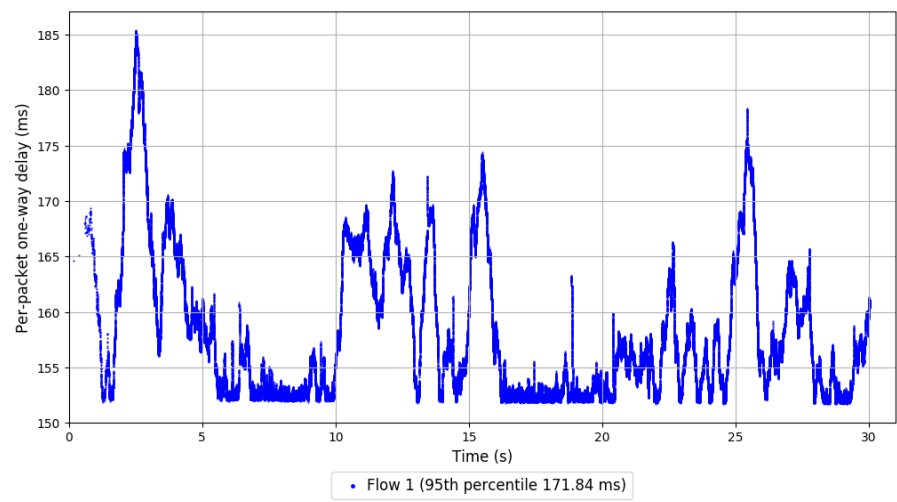
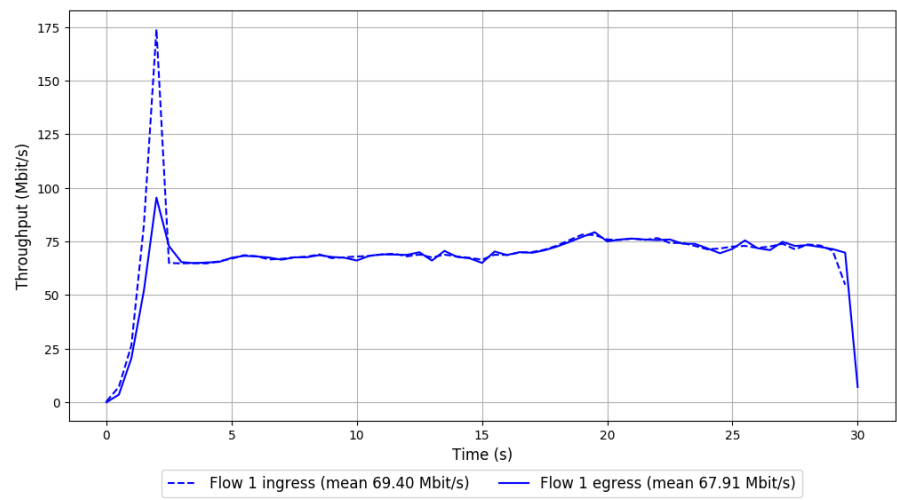
-- Flow 1:

Average throughput: 67.91 Mbit/s

95th percentile per-packet one-way delay: 171.841 ms

Loss rate: 2.16%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-24 09:35:42

End at: 2018-04-24 09:36:12

Local clock offset: 5.03 ms

Remote clock offset: 1.728 ms

Below is generated by plot.py at 2018-04-24 12:38:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.59 Mbit/s

95th percentile per-packet one-way delay: 167.537 ms

Loss rate: 2.27%

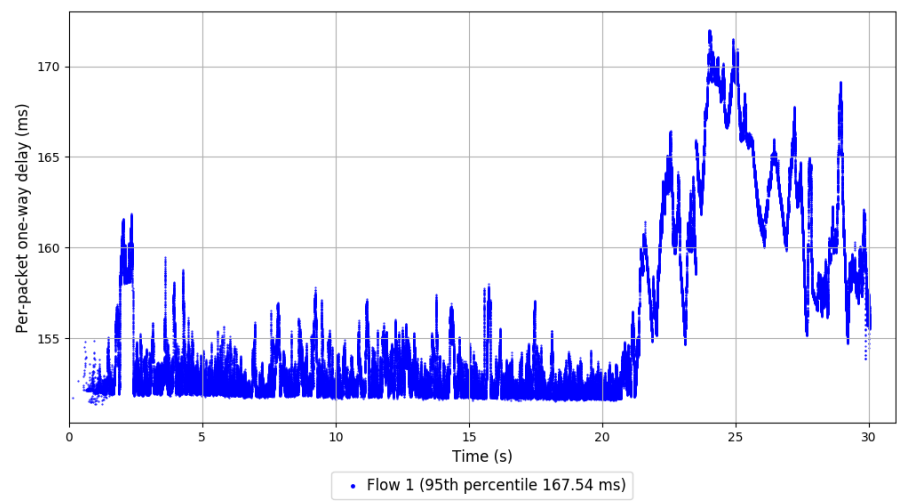
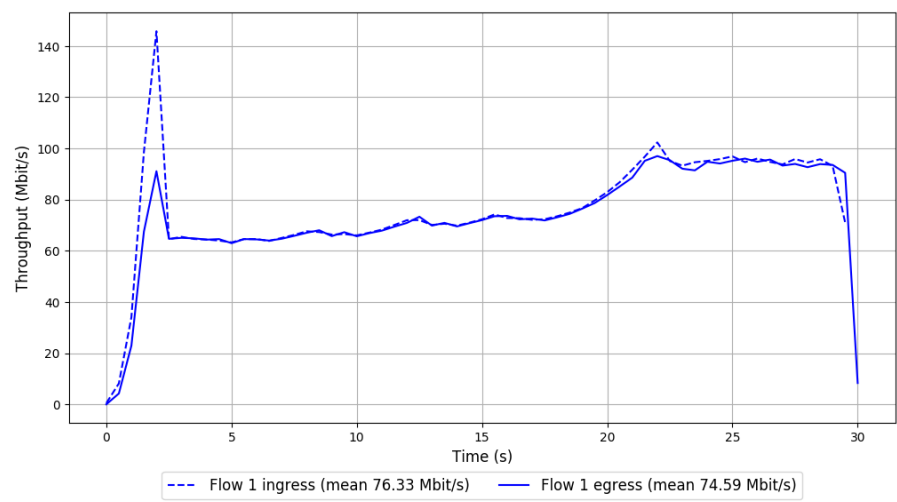
-- Flow 1:

Average throughput: 74.59 Mbit/s

95th percentile per-packet one-way delay: 167.537 ms

Loss rate: 2.27%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-24 09:56:54

End at: 2018-04-24 09:57:24

Local clock offset: 6.486 ms

Remote clock offset: -11.748 ms

Below is generated by plot.py at 2018-04-24 12:38:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.52 Mbit/s

95th percentile per-packet one-way delay: 162.144 ms

Loss rate: 2.13%

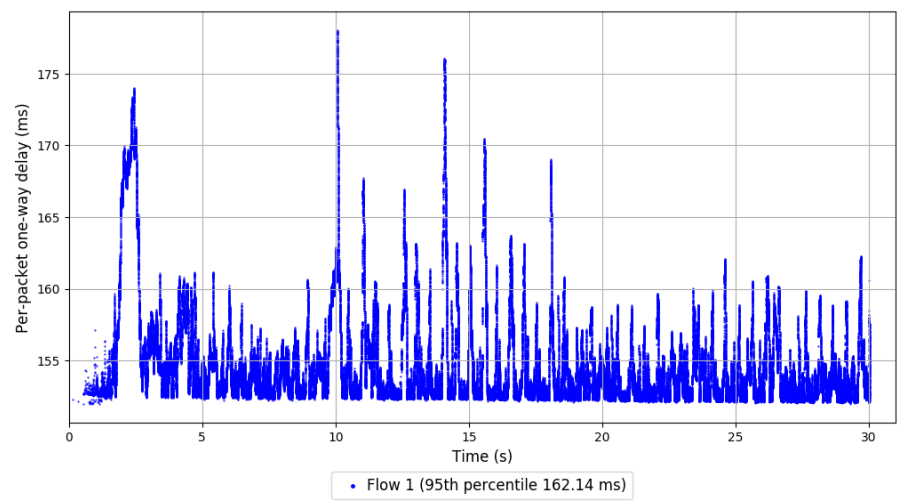
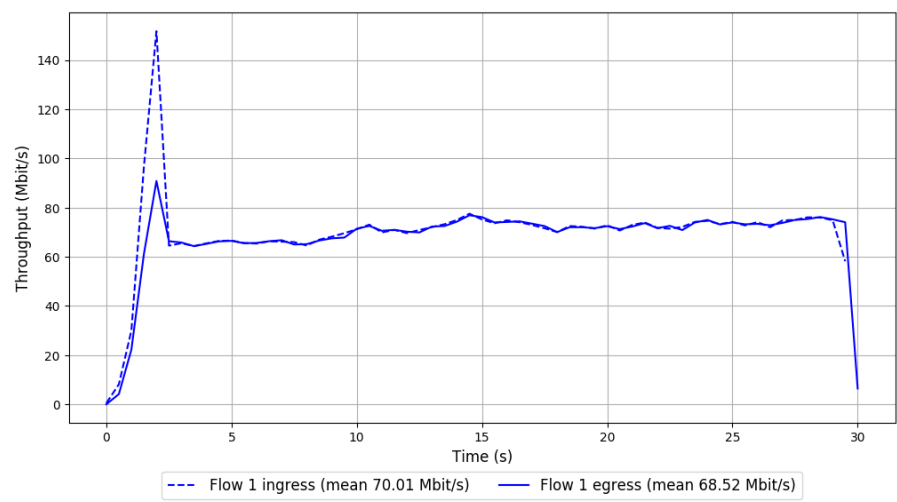
-- Flow 1:

Average throughput: 68.52 Mbit/s

95th percentile per-packet one-way delay: 162.144 ms

Loss rate: 2.13%

Run 4: Report of PCC-Allegro — Data Link

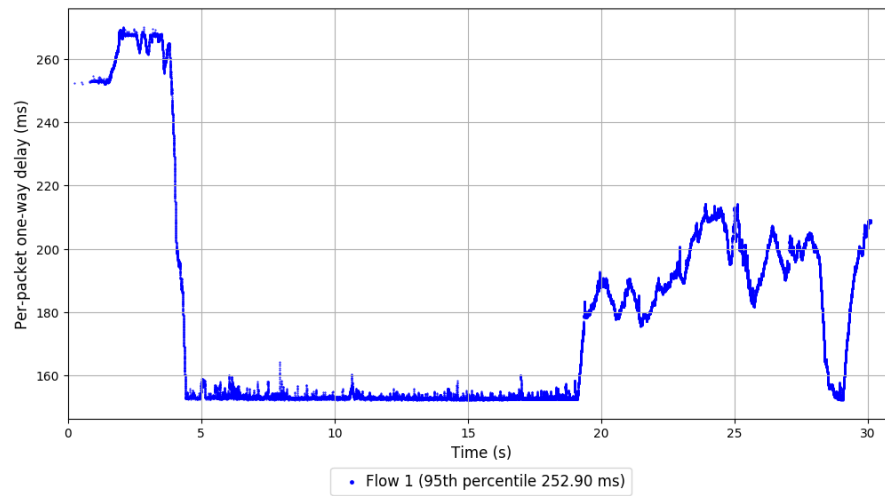
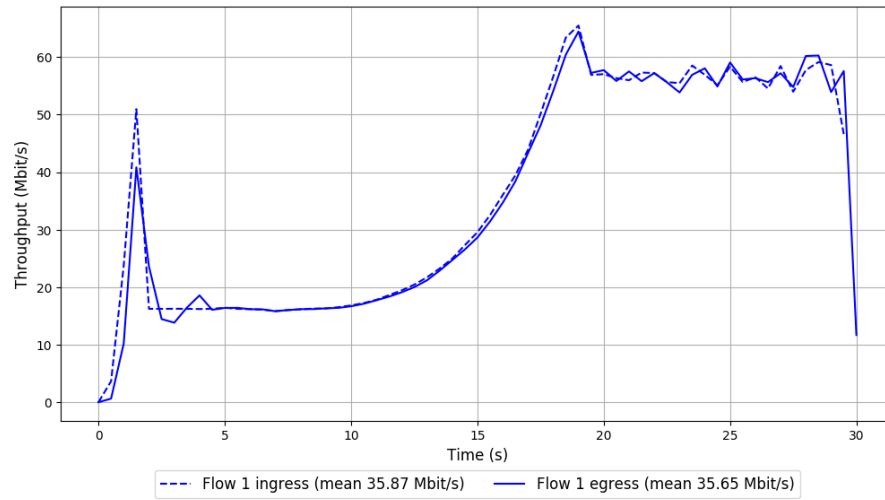


Run 5: Statistics of PCC-Allegro

Start at: 2018-04-24 10:18:01
End at: 2018-04-24 10:18:31
Local clock offset: 6.67 ms
Remote clock offset: -8.625 ms

Below is generated by plot.py at 2018-04-24 12:38:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.65 Mbit/s
95th percentile per-packet one-way delay: 252.899 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 35.65 Mbit/s
95th percentile per-packet one-way delay: 252.899 ms
Loss rate: 0.77%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-24 10:39:49

End at: 2018-04-24 10:40:19

Local clock offset: 6.751 ms

Remote clock offset: 15.001 ms

Below is generated by plot.py at 2018-04-24 12:38:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.09 Mbit/s

95th percentile per-packet one-way delay: 270.797 ms

Loss rate: 4.10%

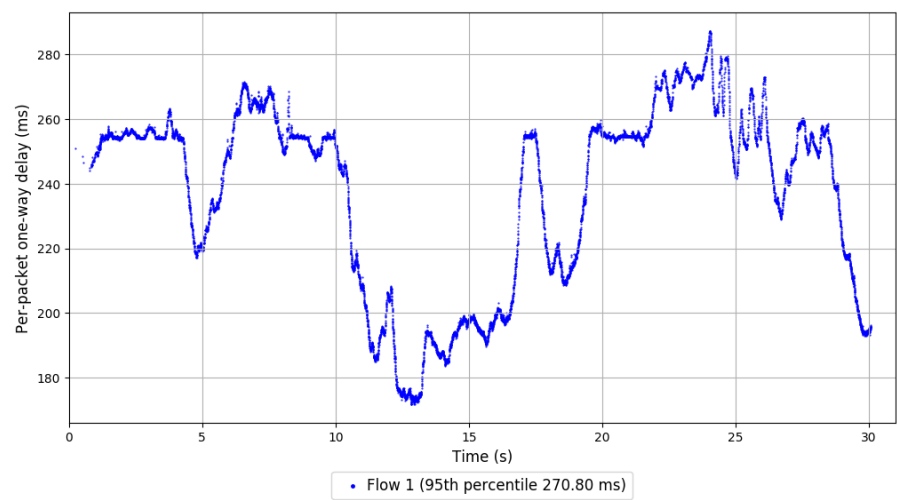
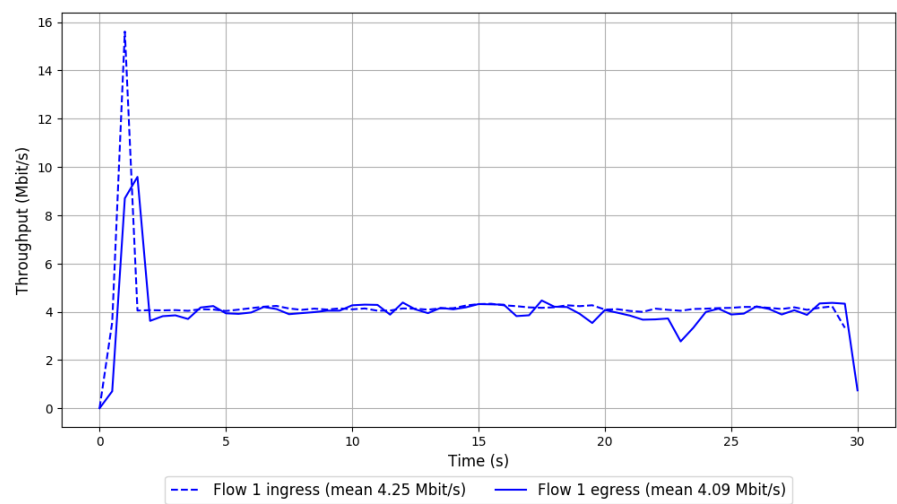
-- Flow 1:

Average throughput: 4.09 Mbit/s

95th percentile per-packet one-way delay: 270.797 ms

Loss rate: 4.10%

Run 6: Report of PCC-Allegro — Data Link

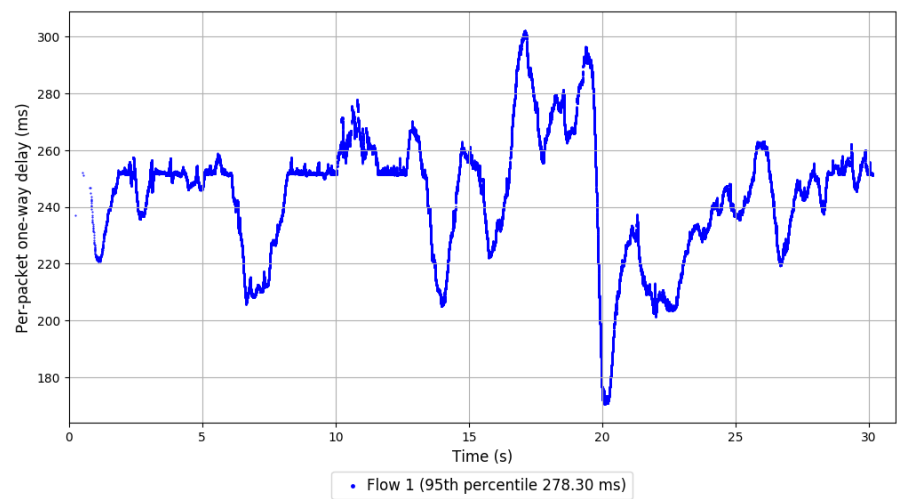
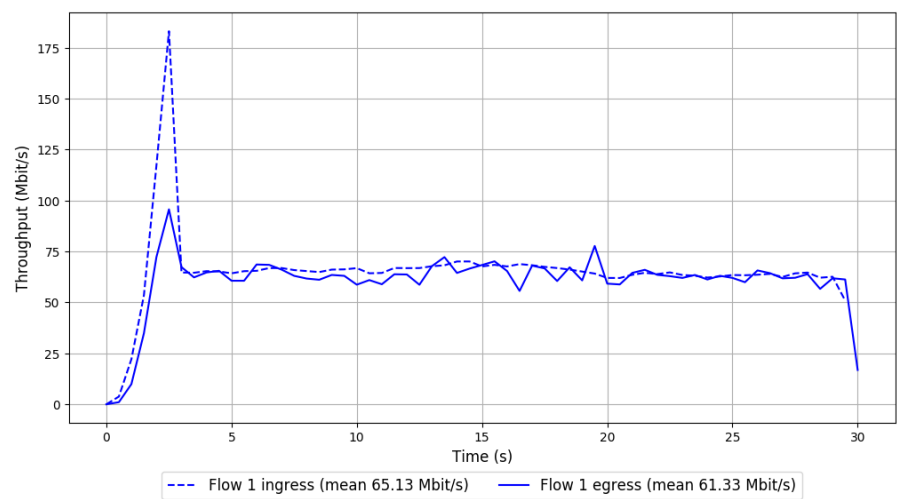


Run 7: Statistics of PCC-Allegro

Start at: 2018-04-24 11:01:47
End at: 2018-04-24 11:02:17
Local clock offset: -3.215 ms
Remote clock offset: 12.181 ms

Below is generated by plot.py at 2018-04-24 12:38:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.33 Mbit/s
95th percentile per-packet one-way delay: 278.301 ms
Loss rate: 5.79%
-- Flow 1:
Average throughput: 61.33 Mbit/s
95th percentile per-packet one-way delay: 278.301 ms
Loss rate: 5.79%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-24 11:23:38

End at: 2018-04-24 11:24:08

Local clock offset: -4.289 ms

Remote clock offset: 6.626 ms

Below is generated by plot.py at 2018-04-24 12:38:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.80 Mbit/s

95th percentile per-packet one-way delay: 338.021 ms

Loss rate: 3.60%

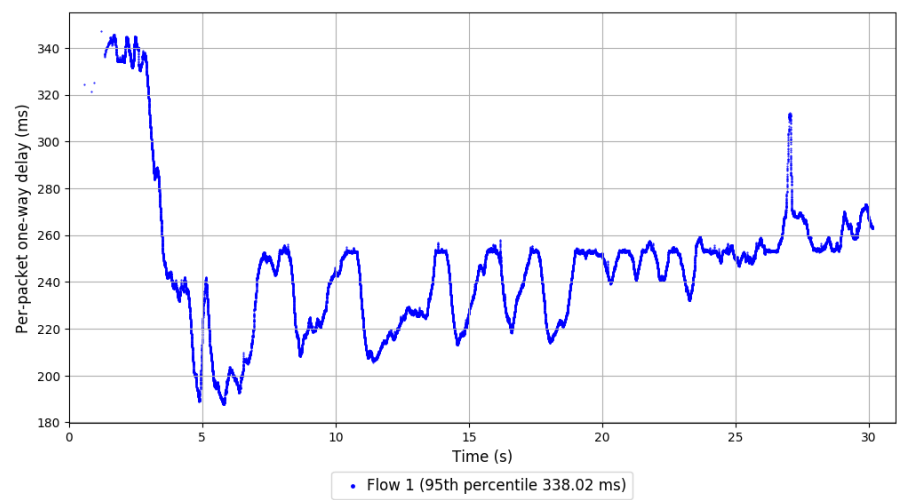
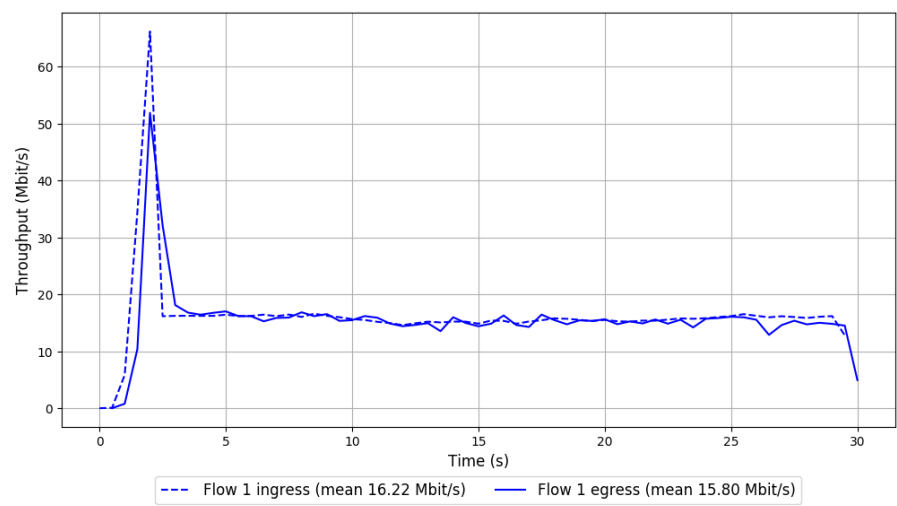
-- Flow 1:

Average throughput: 15.80 Mbit/s

95th percentile per-packet one-way delay: 338.021 ms

Loss rate: 3.60%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-24 11:45:23

End at: 2018-04-24 11:45:53

Local clock offset: -1.167 ms

Remote clock offset: 7.334 ms

Below is generated by plot.py at 2018-04-24 12:38:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.53 Mbit/s

95th percentile per-packet one-way delay: 307.886 ms

Loss rate: 5.30%

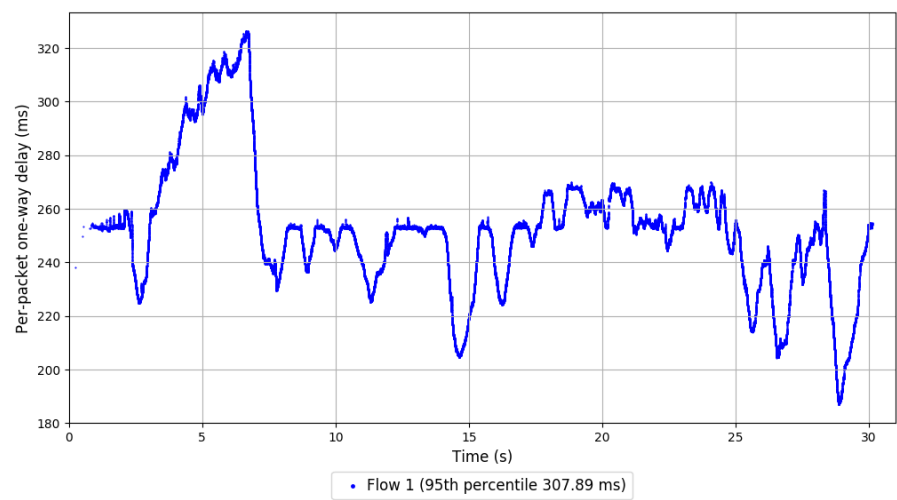
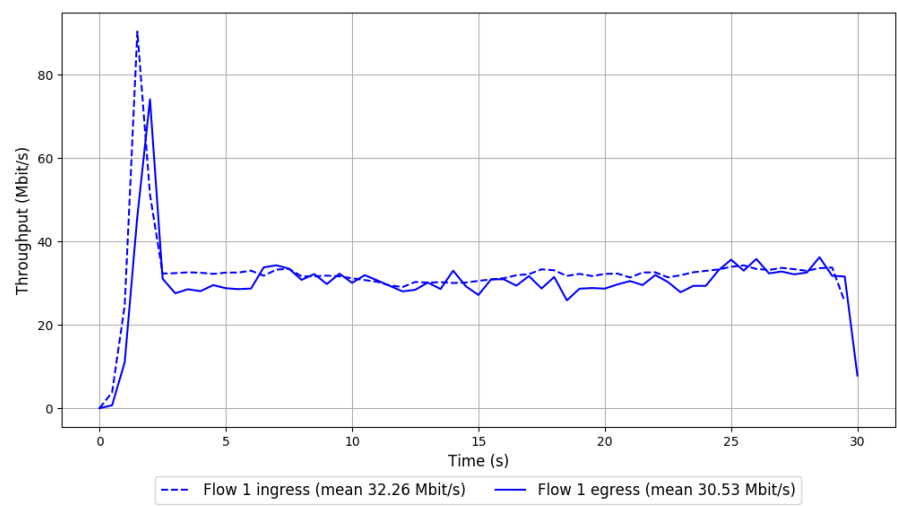
-- Flow 1:

Average throughput: 30.53 Mbit/s

95th percentile per-packet one-way delay: 307.886 ms

Loss rate: 5.30%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-24 12:07:15

End at: 2018-04-24 12:07:45

Local clock offset: -0.135 ms

Remote clock offset: 0.957 ms

Below is generated by plot.py at 2018-04-24 12:38:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.25 Mbit/s

95th percentile per-packet one-way delay: 253.608 ms

Loss rate: 3.10%

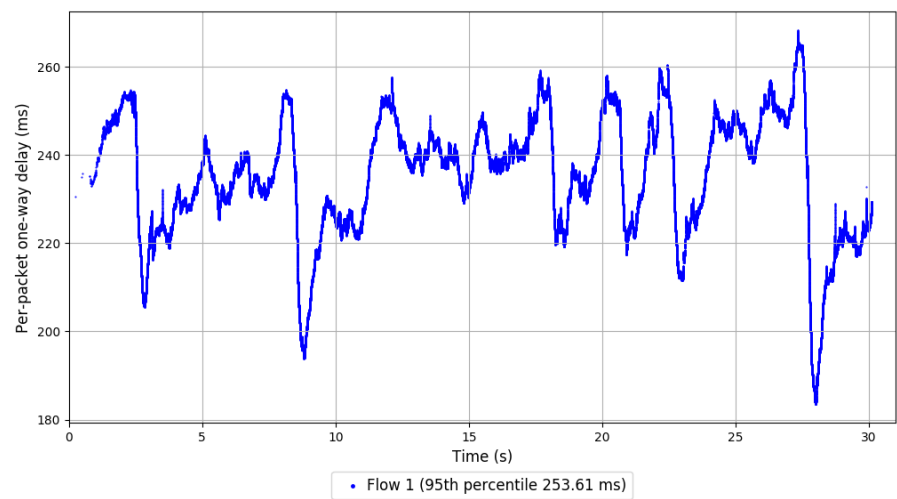
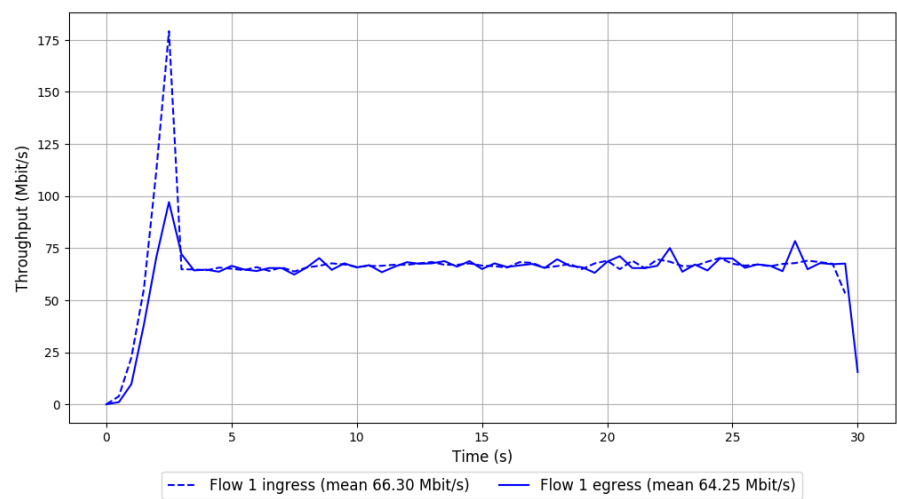
-- Flow 1:

Average throughput: 64.25 Mbit/s

95th percentile per-packet one-way delay: 253.608 ms

Loss rate: 3.10%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of QUIC Cubic

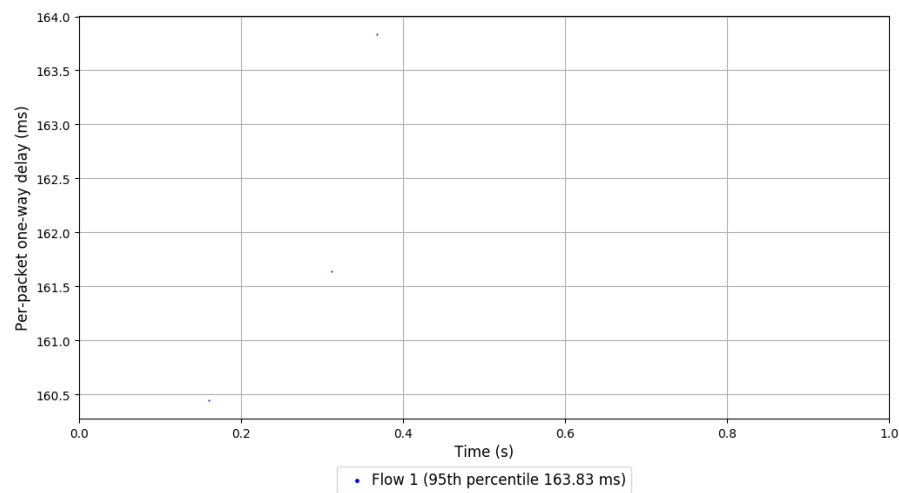
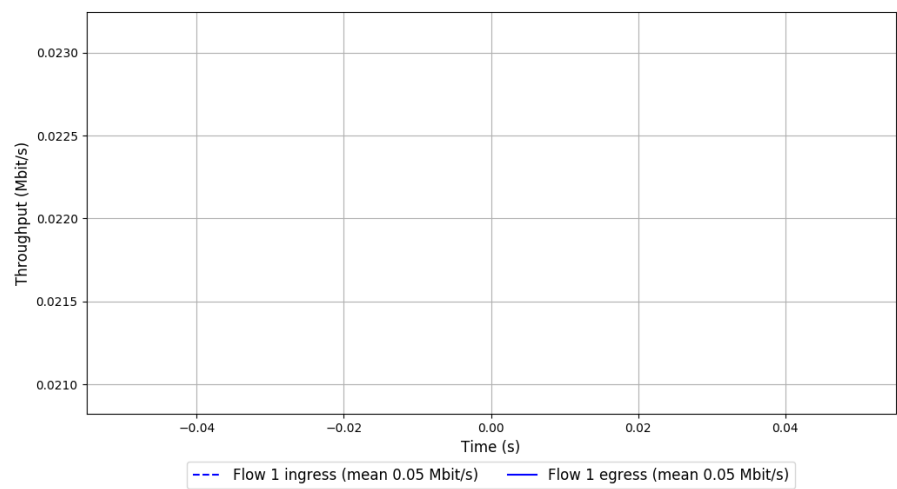
Start at: 2018-04-24 08:57:00

End at: 2018-04-24 08:57:30

Local clock offset: -4.941 ms

Remote clock offset: -25.58 ms

Run 1: Report of QUIC Cubic — Data Link

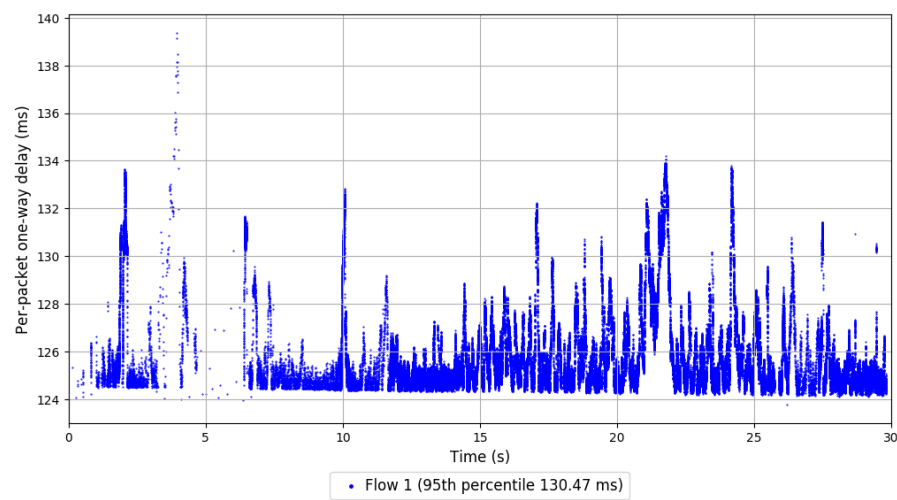
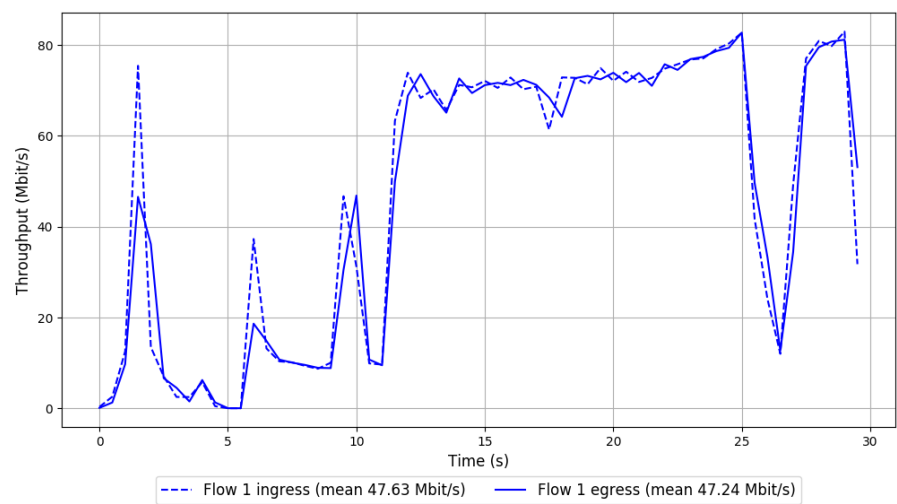


Run 2: Statistics of QUIC Cubic

Start at: 2018-04-24 09:18:14
End at: 2018-04-24 09:18:44
Local clock offset: 2.665 ms
Remote clock offset: -20.231 ms

Below is generated by plot.py at 2018-04-24 12:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 130.469 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 130.469 ms
Loss rate: 0.82%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-24 09:39:32

End at: 2018-04-24 09:40:02

Local clock offset: 5.346 ms

Remote clock offset: 5.246 ms

Below is generated by plot.py at 2018-04-24 12:38:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.46 Mbit/s

95th percentile per-packet one-way delay: 159.066 ms

Loss rate: 0.73%

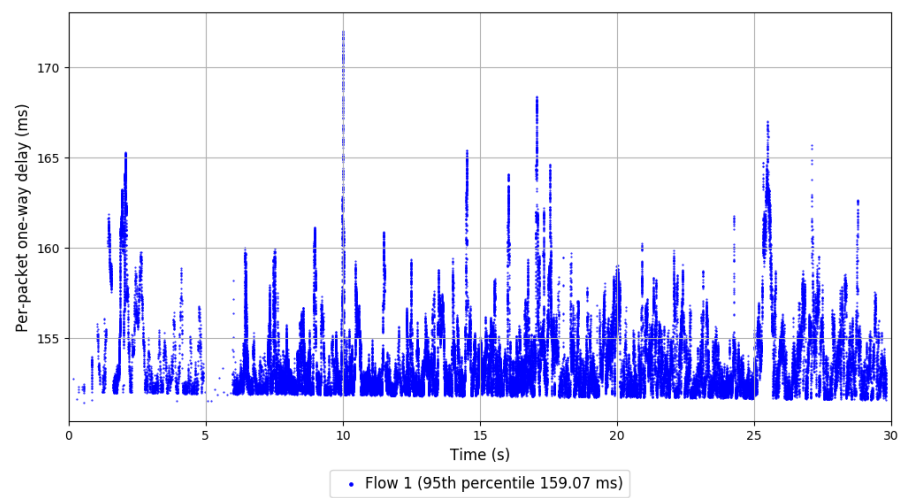
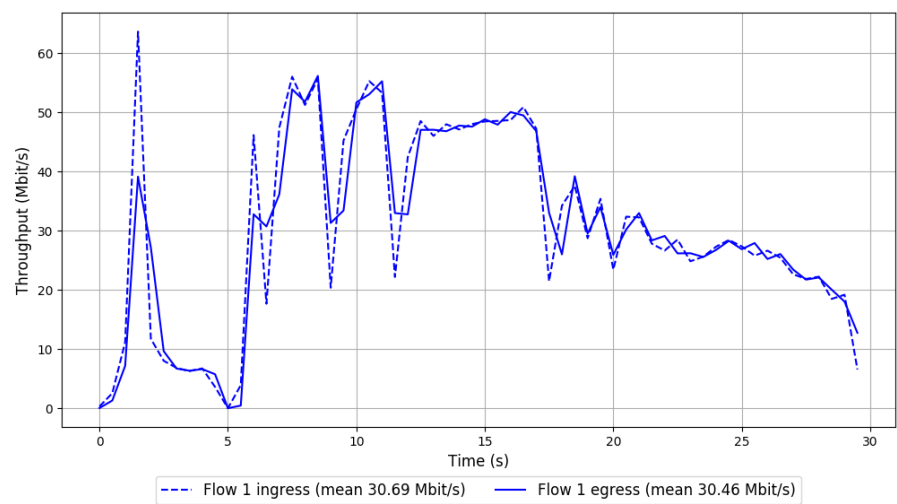
-- Flow 1:

Average throughput: 30.46 Mbit/s

95th percentile per-packet one-way delay: 159.066 ms

Loss rate: 0.73%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-24 10:00:38

End at: 2018-04-24 10:01:09

Local clock offset: 6.694 ms

Remote clock offset: -8.726 ms

Below is generated by plot.py at 2018-04-24 12:38:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.86 Mbit/s

95th percentile per-packet one-way delay: 163.973 ms

Loss rate: 1.31%

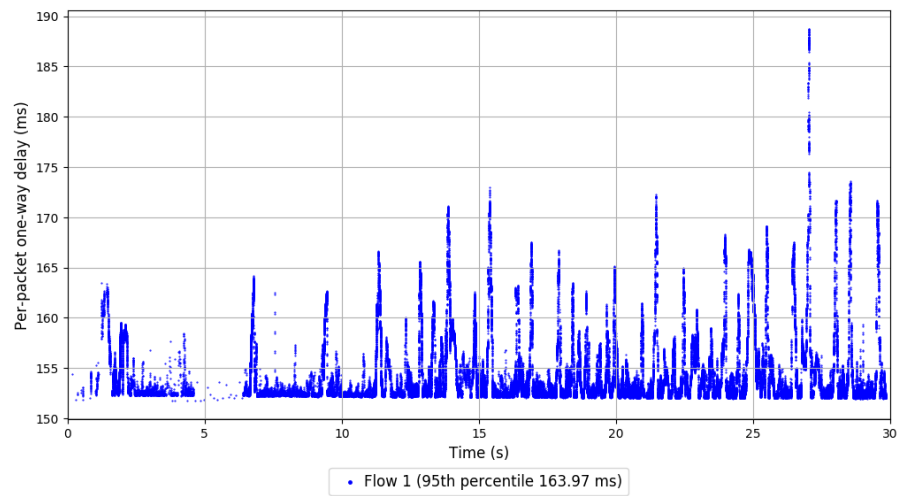
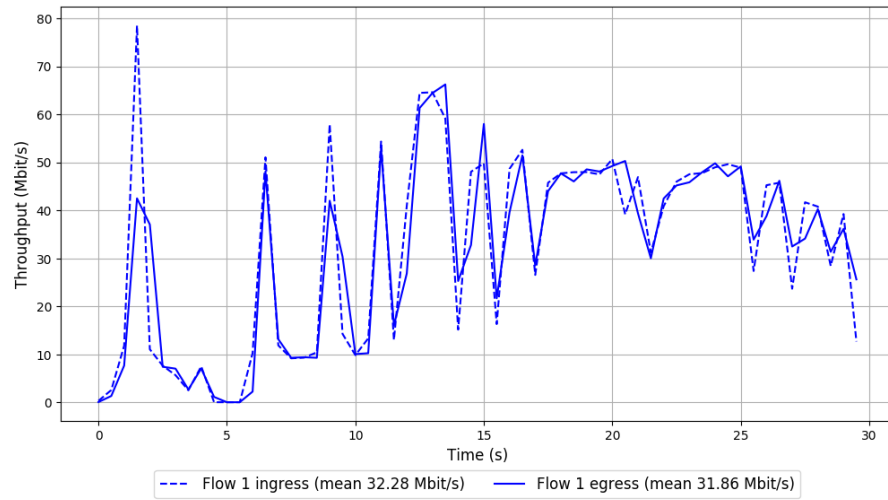
-- Flow 1:

Average throughput: 31.86 Mbit/s

95th percentile per-packet one-way delay: 163.973 ms

Loss rate: 1.31%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-24 10:21:51

End at: 2018-04-24 10:22:21

Local clock offset: 6.754 ms

Remote clock offset: -3.22 ms

Below is generated by plot.py at 2018-04-24 12:38:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.00 Mbit/s

95th percentile per-packet one-way delay: 249.461 ms

Loss rate: 1.11%

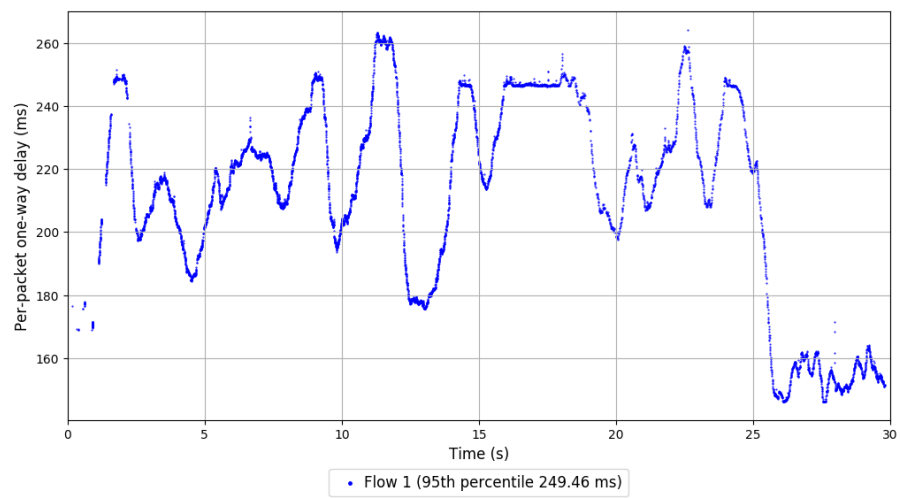
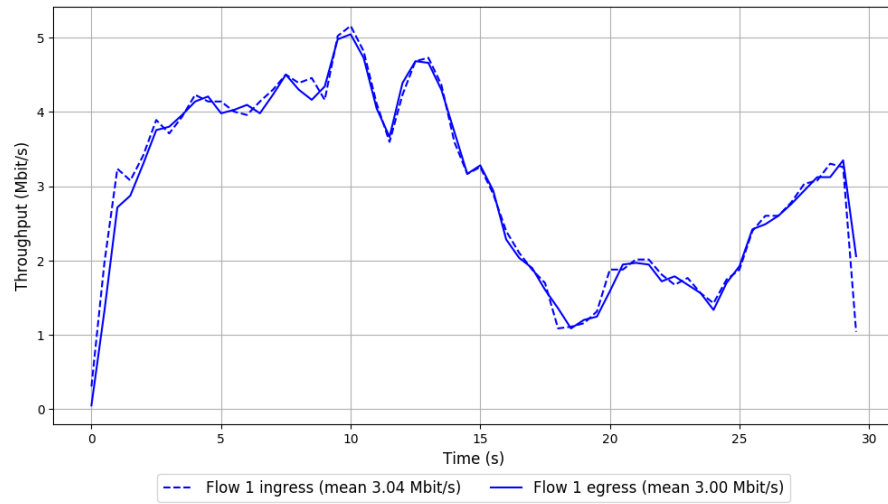
-- Flow 1:

Average throughput: 3.00 Mbit/s

95th percentile per-packet one-way delay: 249.461 ms

Loss rate: 1.11%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-24 10:43:46

End at: 2018-04-24 10:44:16

Local clock offset: 6.97 ms

Remote clock offset: 11.349 ms

Below is generated by plot.py at 2018-04-24 12:38:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.28 Mbit/s

95th percentile per-packet one-way delay: 252.999 ms

Loss rate: 0.80%

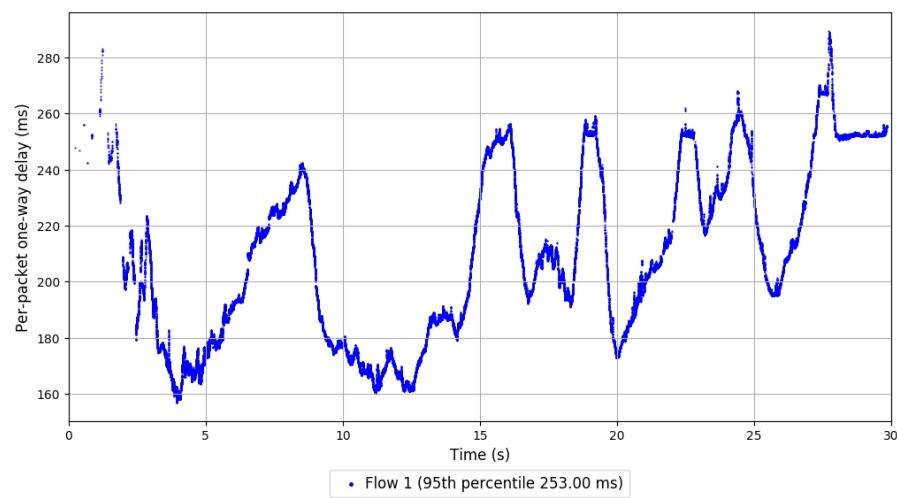
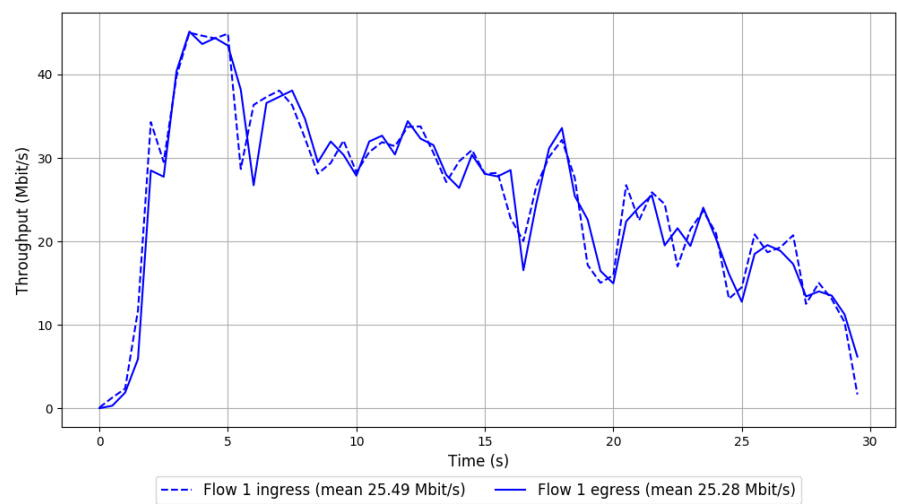
-- Flow 1:

Average throughput: 25.28 Mbit/s

95th percentile per-packet one-way delay: 252.999 ms

Loss rate: 0.80%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-24 11:05:44

End at: 2018-04-24 11:06:14

Local clock offset: -4.338 ms

Remote clock offset: 13.82 ms

Below is generated by plot.py at 2018-04-24 12:38:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 266.015 ms

Loss rate: 2.53%

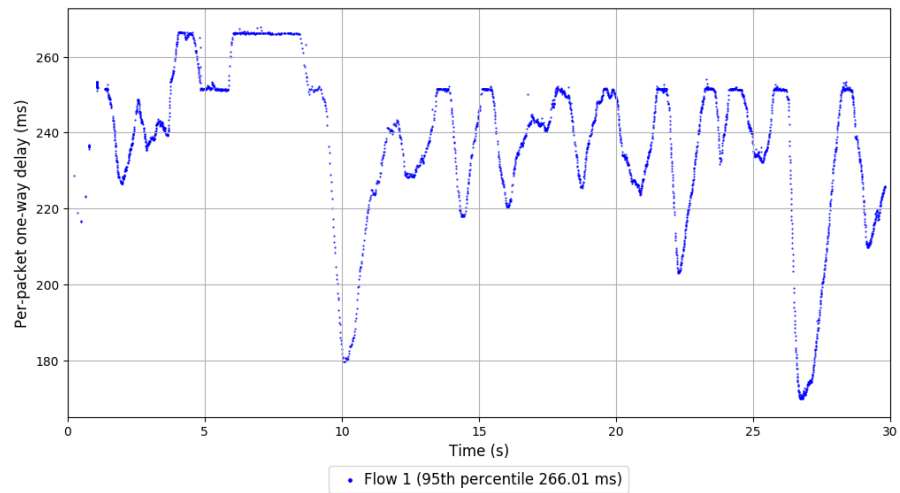
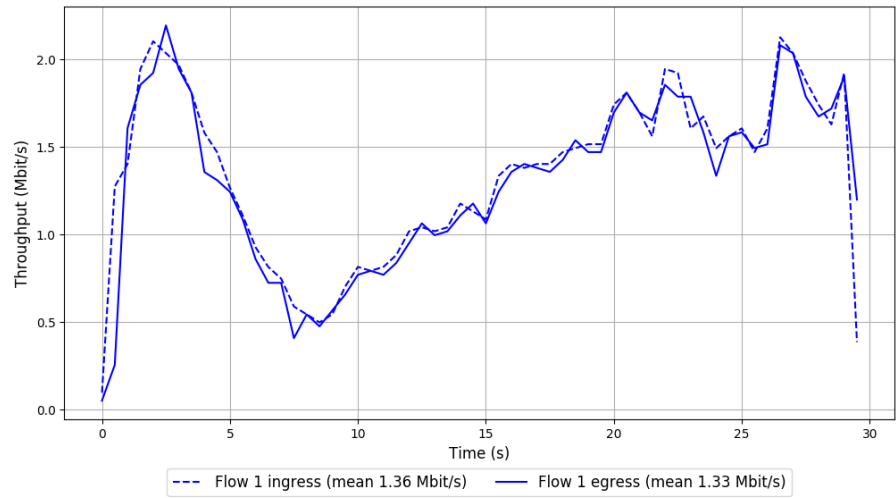
-- Flow 1:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 266.015 ms

Loss rate: 2.53%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-24 11:27:33

End at: 2018-04-24 11:28:03

Local clock offset: -2.879 ms

Remote clock offset: 5.72 ms

Below is generated by plot.py at 2018-04-24 12:38:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 264.908 ms

Loss rate: 1.79%

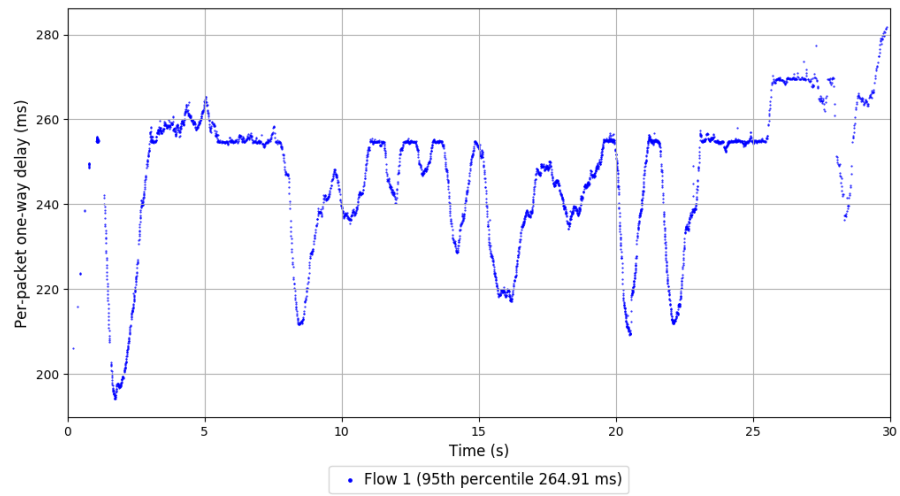
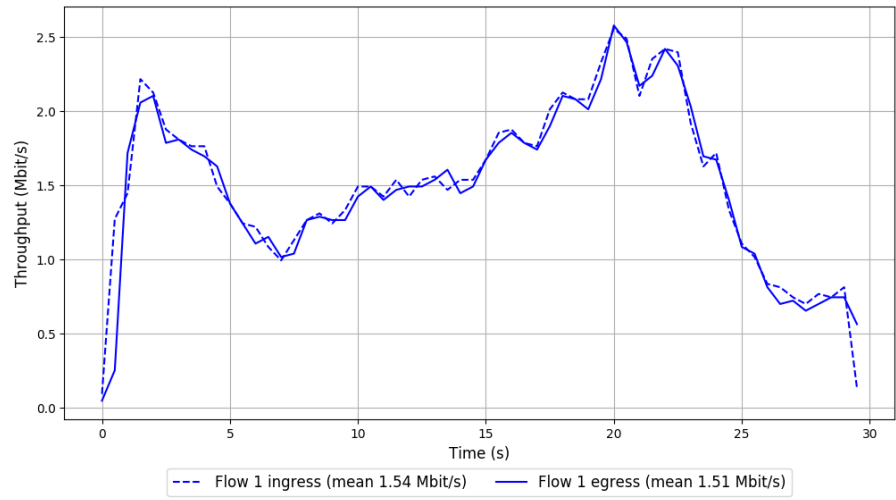
-- Flow 1:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 264.908 ms

Loss rate: 1.79%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-24 11:49:23

End at: 2018-04-24 11:49:53

Local clock offset: -1.219 ms

Remote clock offset: 5.463 ms

Below is generated by plot.py at 2018-04-24 12:38:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.77 Mbit/s

95th percentile per-packet one-way delay: 255.396 ms

Loss rate: 1.42%

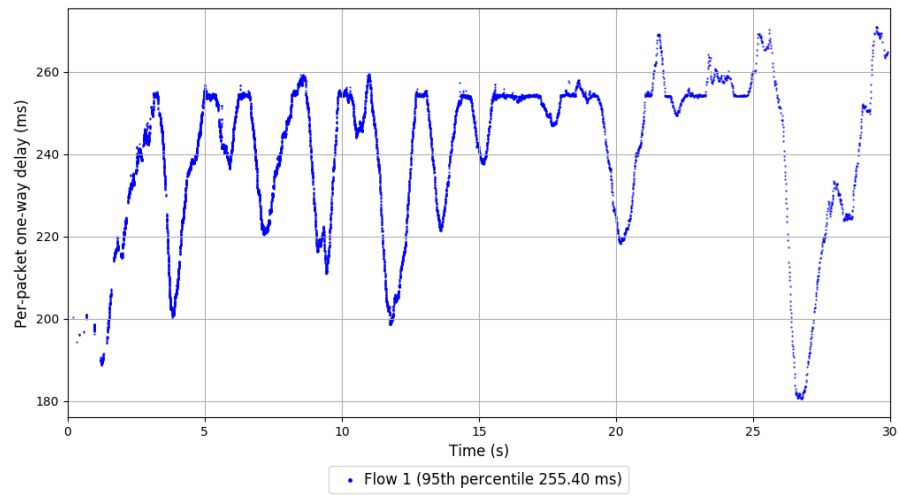
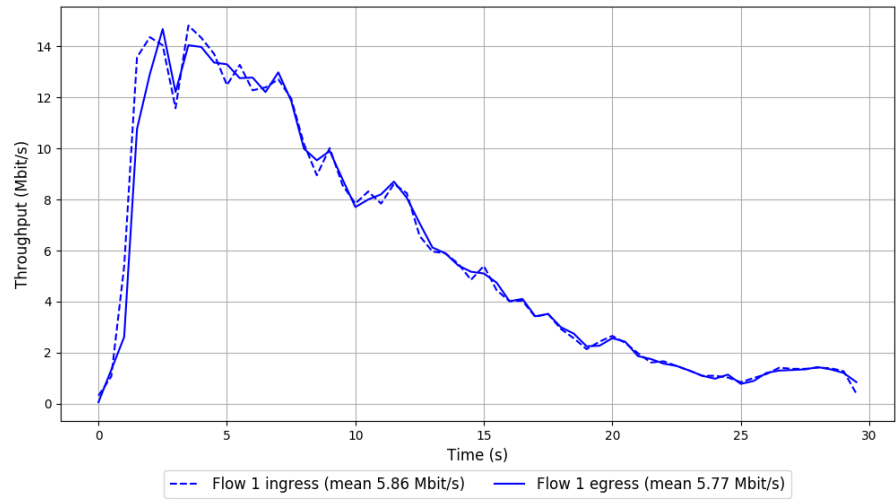
-- Flow 1:

Average throughput: 5.77 Mbit/s

95th percentile per-packet one-way delay: 255.396 ms

Loss rate: 1.42%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-24 12:11:07

End at: 2018-04-24 12:11:37

Local clock offset: -0.101 ms

Remote clock offset: 0.908 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.32 Mbit/s

95th percentile per-packet one-way delay: 252.374 ms

Loss rate: 0.04%

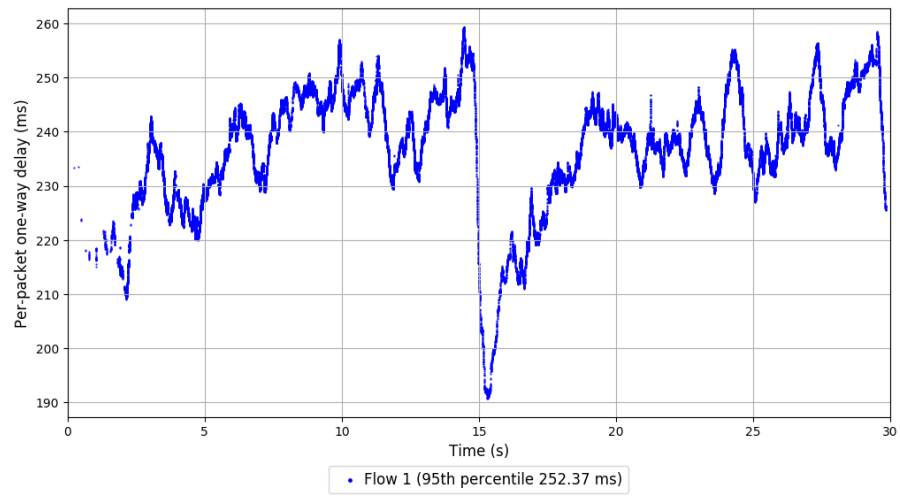
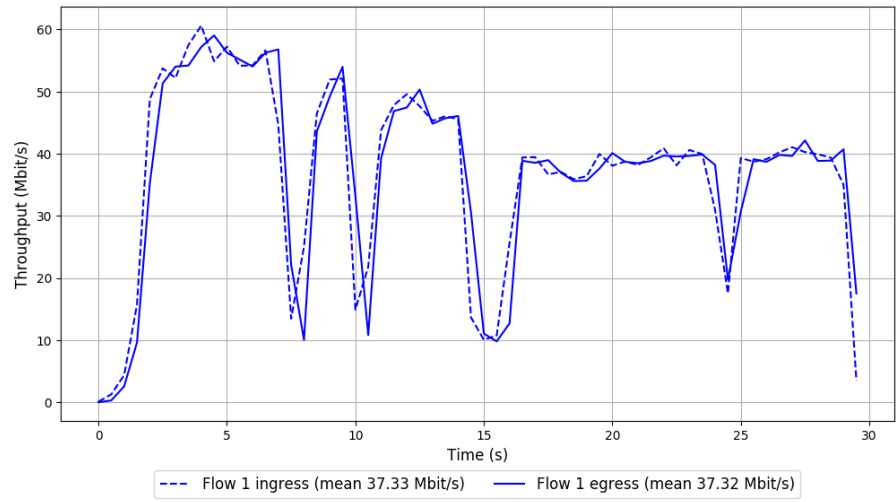
-- Flow 1:

Average throughput: 37.32 Mbit/s

95th percentile per-packet one-way delay: 252.374 ms

Loss rate: 0.04%

Run 10: Report of QUIC Cubic — Data Link

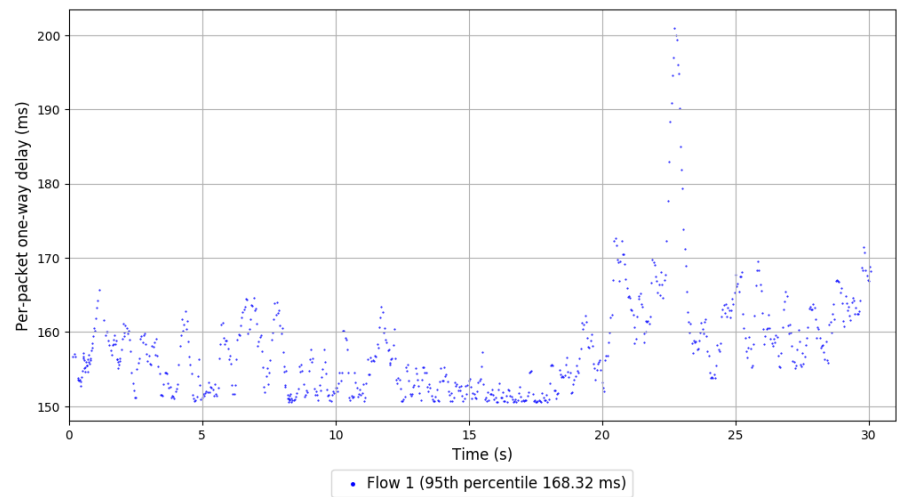
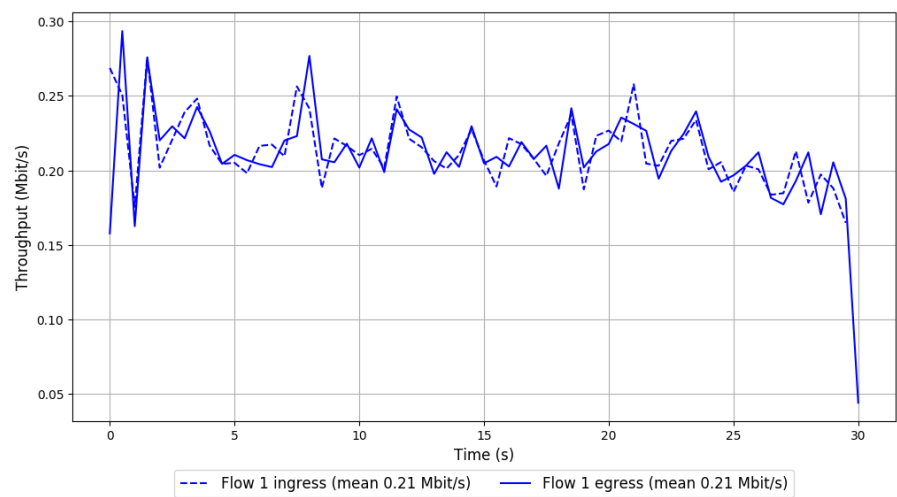


Run 1: Statistics of SCReAM

Start at: 2018-04-24 09:05:37
End at: 2018-04-24 09:06:07
Local clock offset: -2.497 ms
Remote clock offset: 14.125 ms

Below is generated by plot.py at 2018-04-24 12:38:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 168.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 168.321 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-04-24 09:26:57

End at: 2018-04-24 09:27:27

Local clock offset: 4.206 ms

Remote clock offset: -6.71 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 153.364 ms

Loss rate: 0.00%

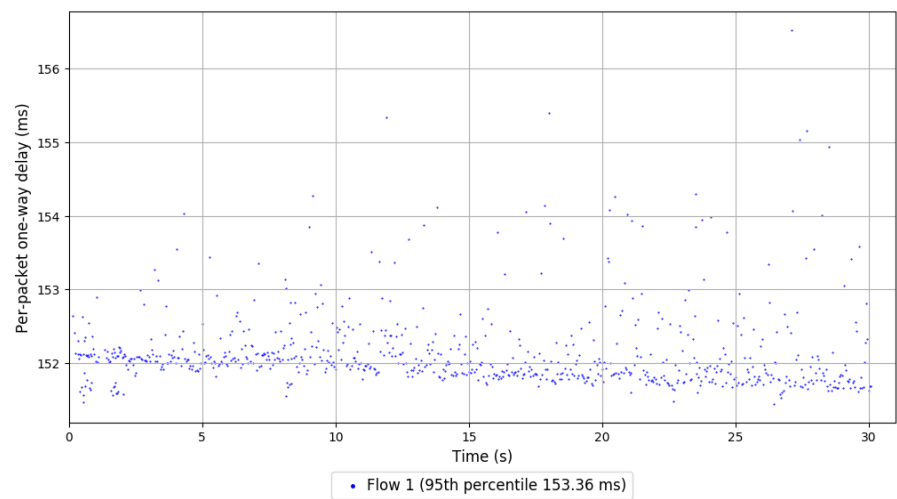
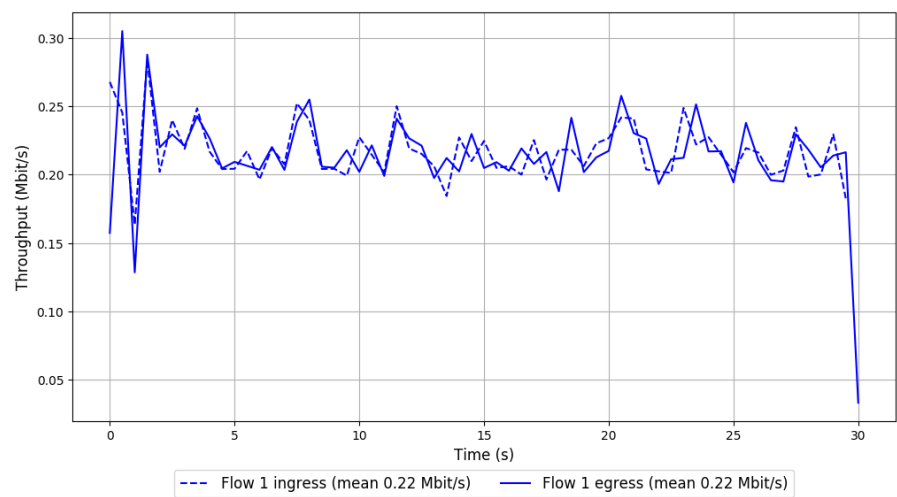
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 153.364 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-24 09:48:14

End at: 2018-04-24 09:48:44

Local clock offset: 5.9 ms

Remote clock offset: -0.646 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 176.203 ms

Loss rate: 0.00%

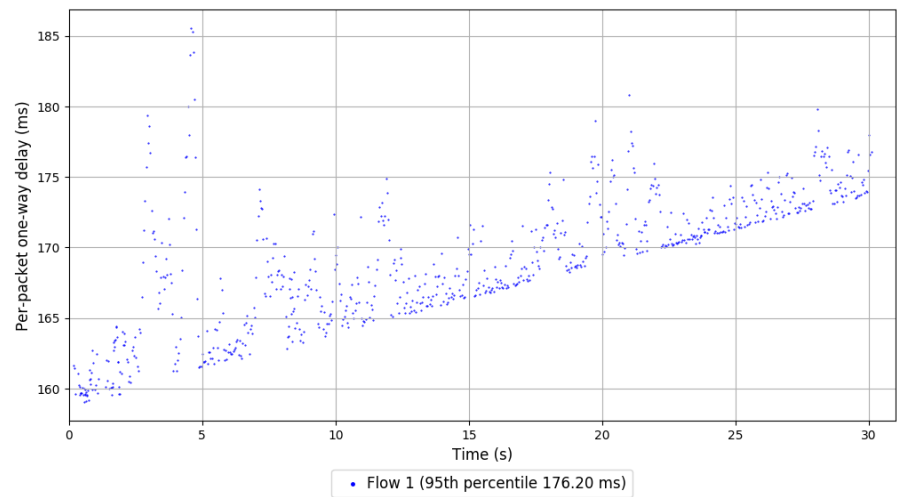
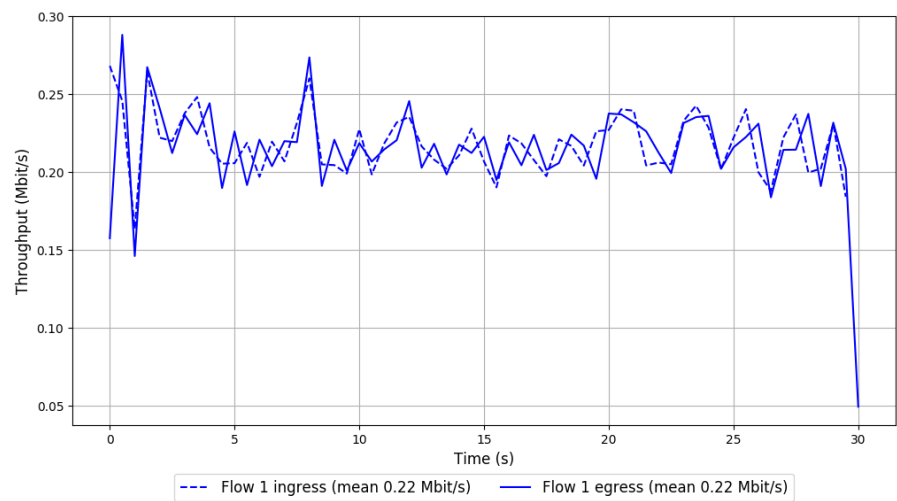
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 176.203 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

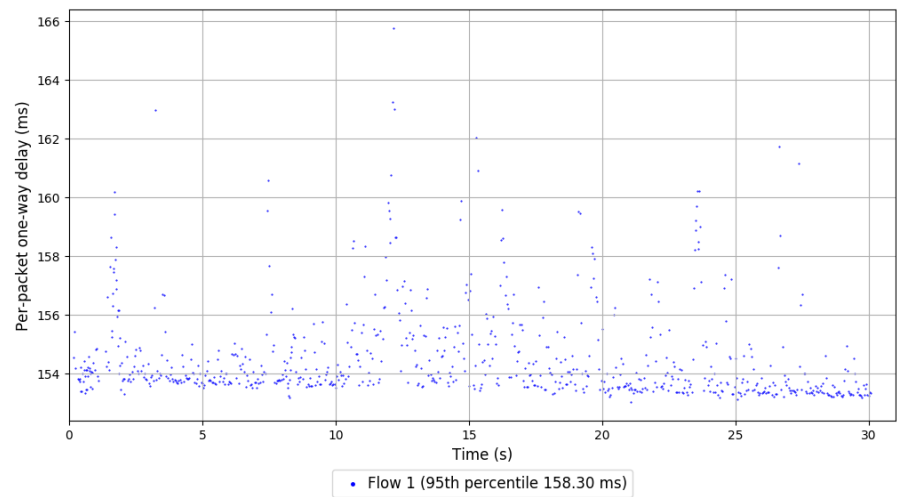
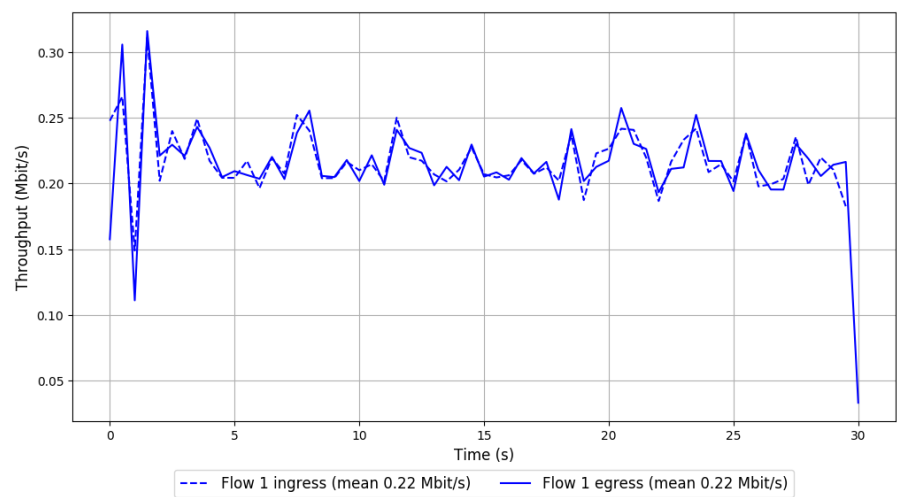


Run 4: Statistics of SCReAM

Start at: 2018-04-24 10:09:19
End at: 2018-04-24 10:09:49
Local clock offset: 7.161 ms
Remote clock offset: -17.985 ms

Below is generated by plot.py at 2018-04-24 12:38:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 158.296 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 158.296 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-24 10:30:51

End at: 2018-04-24 10:31:21

Local clock offset: 6.561 ms

Remote clock offset: 9.973 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 330.326 ms

Loss rate: 3.05%

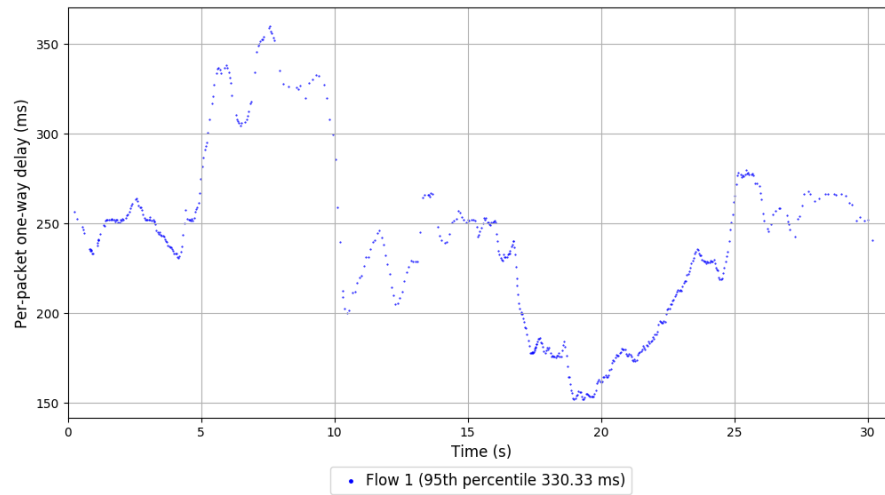
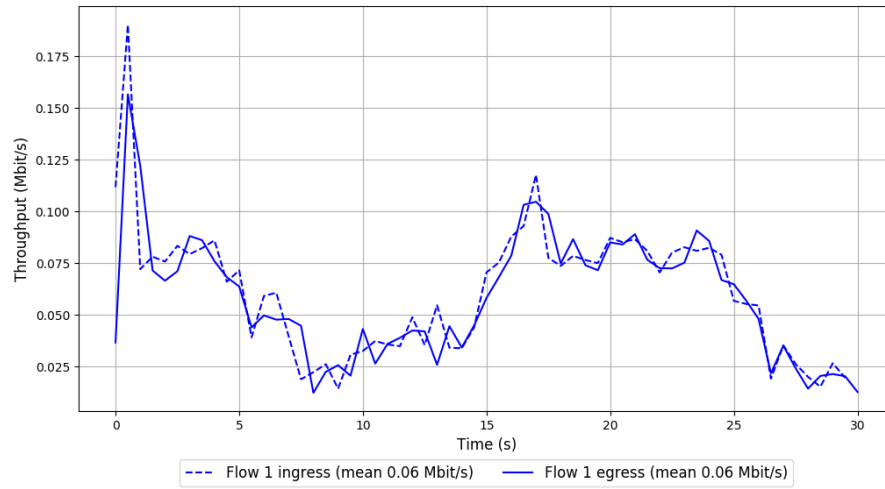
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 330.326 ms

Loss rate: 3.05%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-24 10:52:49

End at: 2018-04-24 10:53:19

Local clock offset: 0.565 ms

Remote clock offset: 9.727 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 301.394 ms

Loss rate: 1.45%

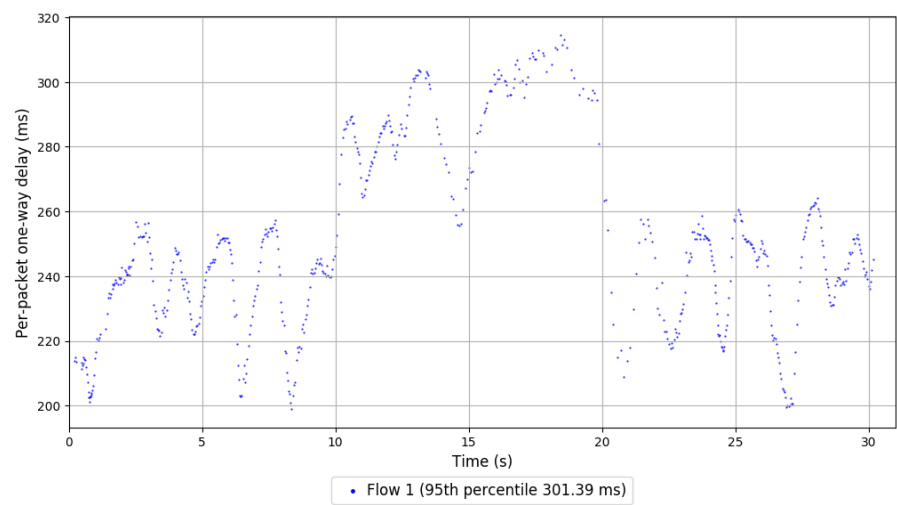
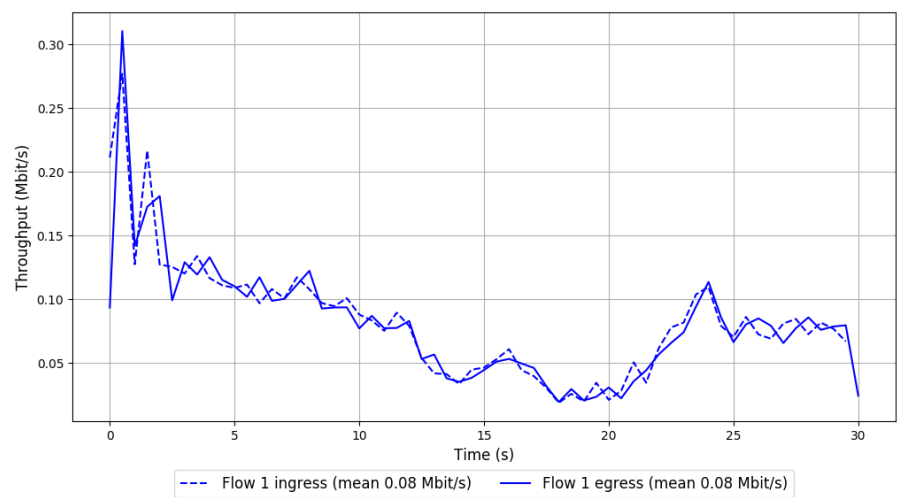
-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 301.394 ms

Loss rate: 1.45%

Run 6: Report of SReAM — Data Link

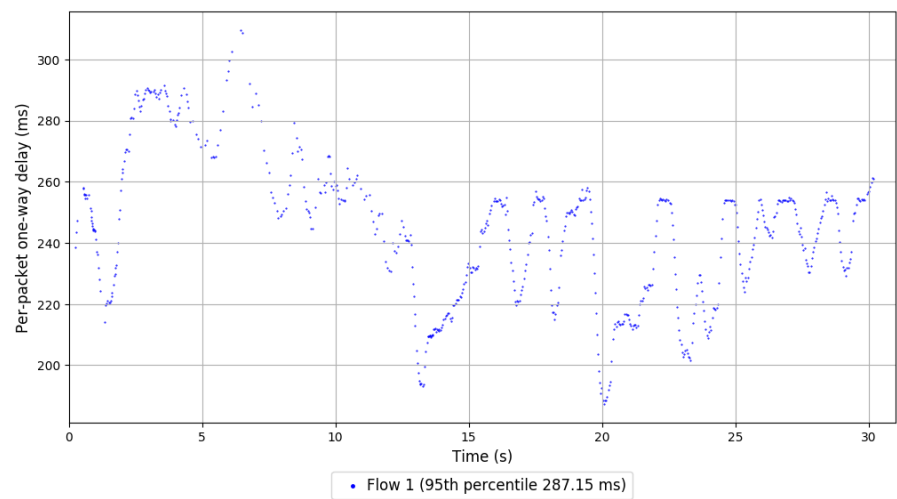
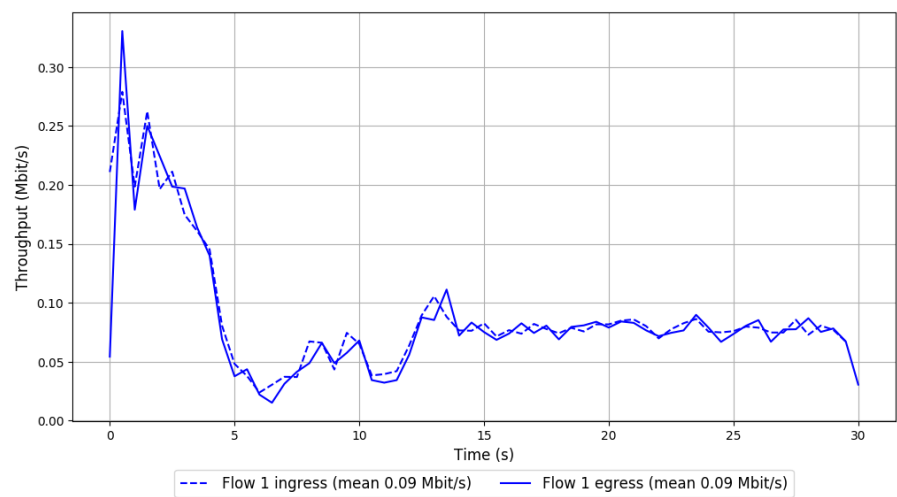


Run 7: Statistics of SCReAM

Start at: 2018-04-24 11:14:38
End at: 2018-04-24 11:15:08
Local clock offset: -6.38 ms
Remote clock offset: 13.855 ms

Below is generated by plot.py at 2018-04-24 12:38:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 287.147 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 287.147 ms
Loss rate: 3.32%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-24 11:36:28

End at: 2018-04-24 11:36:58

Local clock offset: -1.36 ms

Remote clock offset: 5.97 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 333.462 ms

Loss rate: 5.79%

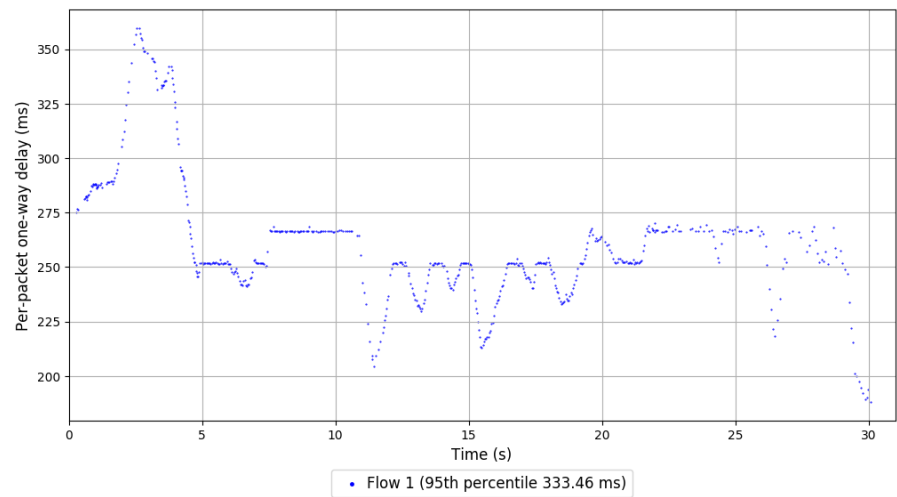
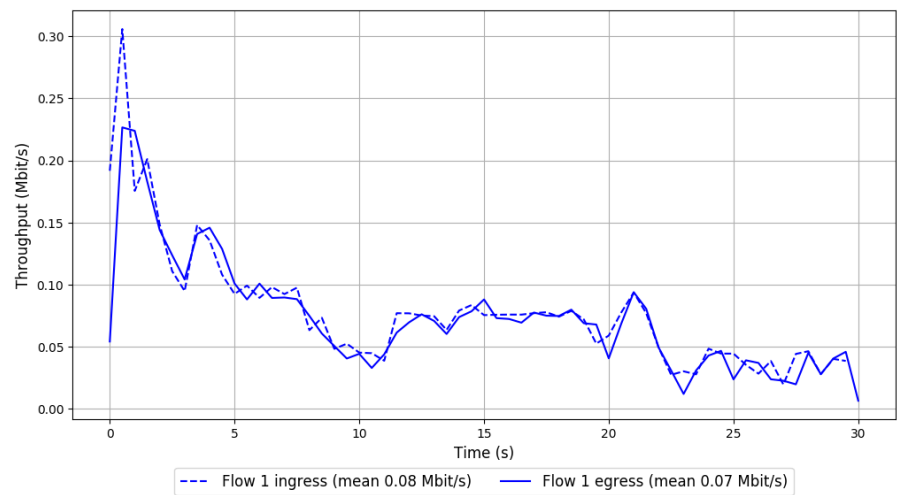
-- Flow 1:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 333.462 ms

Loss rate: 5.79%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-24 11:58:21

End at: 2018-04-24 11:58:51

Local clock offset: -0.858 ms

Remote clock offset: 1.951 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 266.919 ms

Loss rate: 1.93%

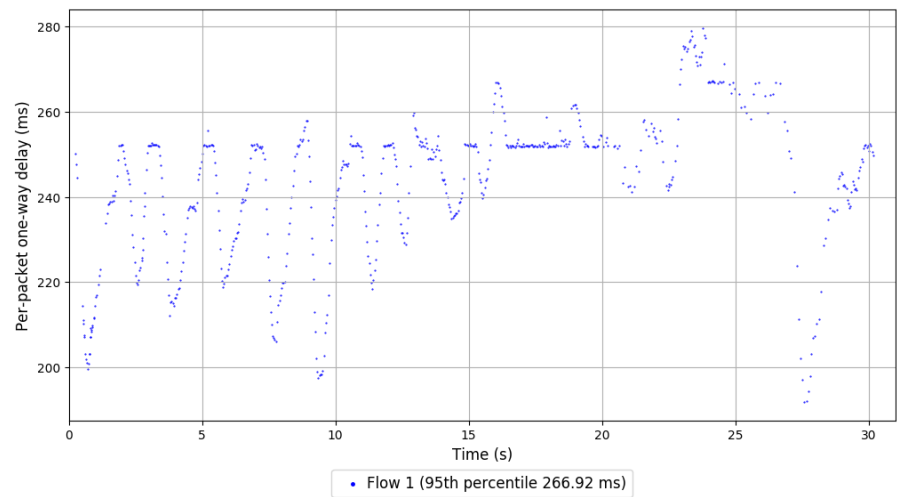
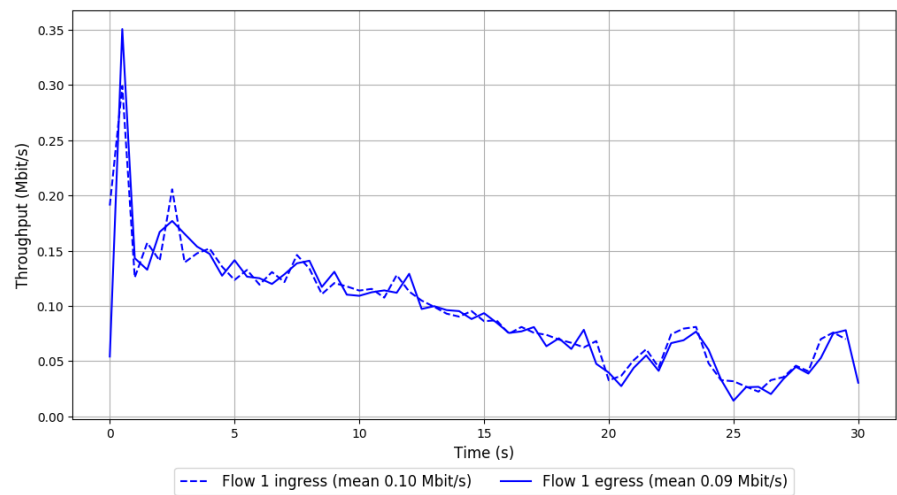
-- Flow 1:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 266.919 ms

Loss rate: 1.93%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-04-24 12:20:04

End at: 2018-04-24 12:20:34

Local clock offset: -0.302 ms

Remote clock offset: 0.99 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 229.965 ms

Loss rate: 0.00%

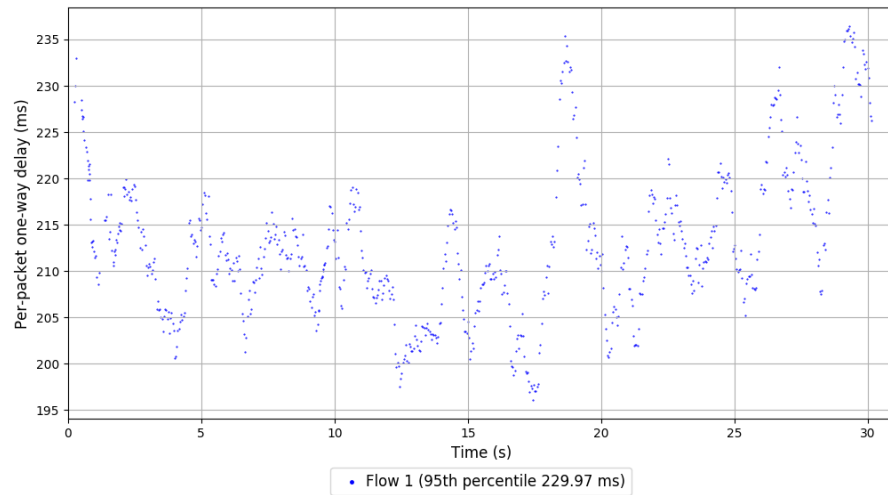
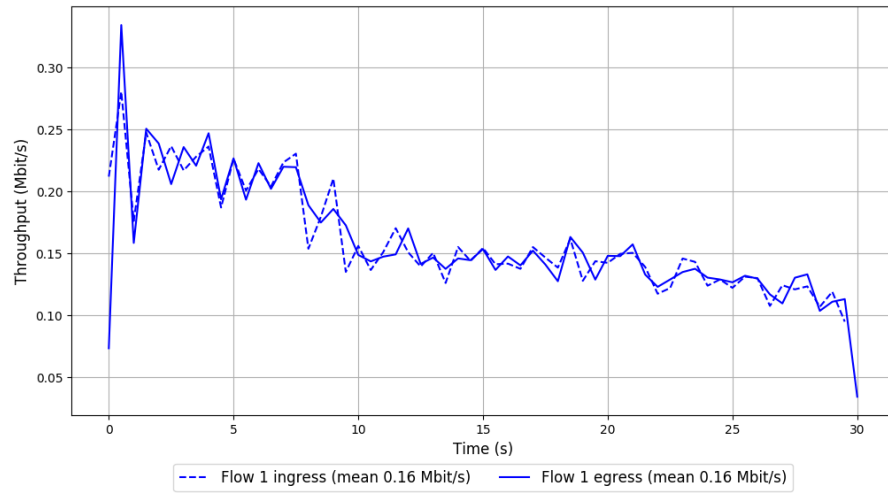
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 229.965 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

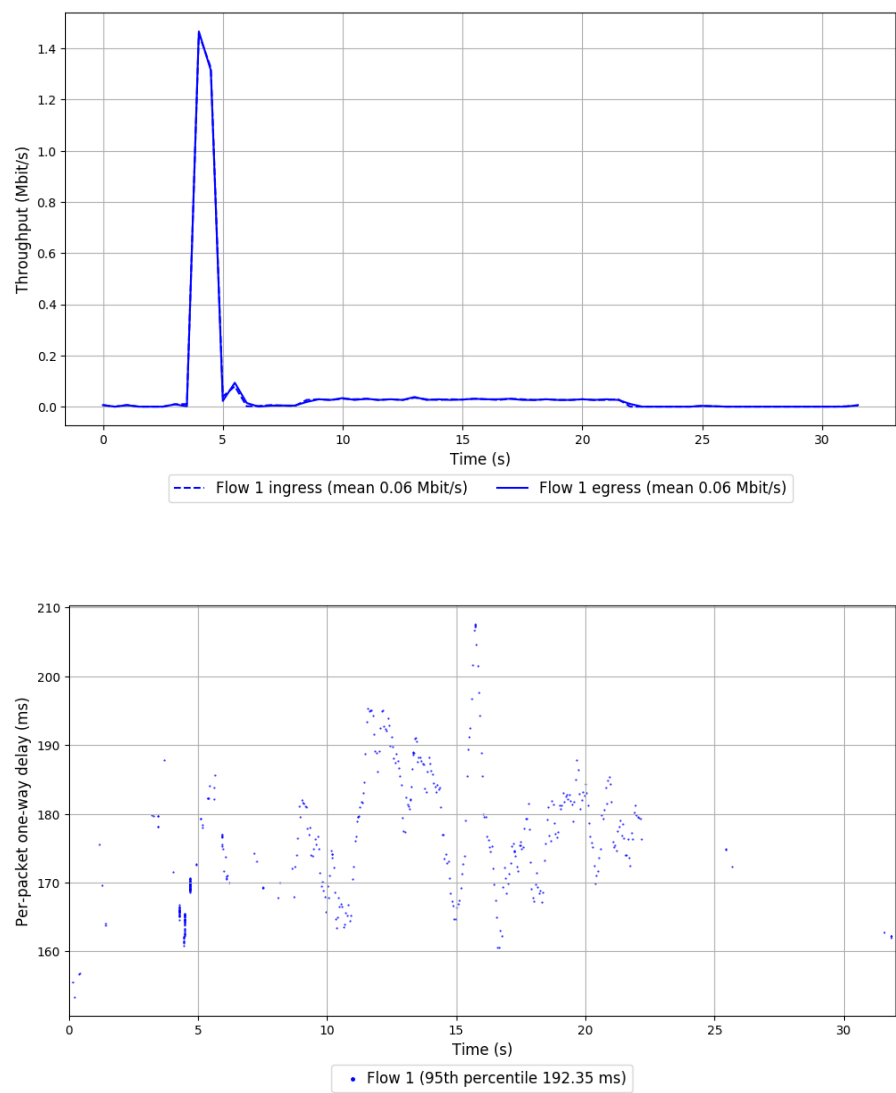


Run 1: Statistics of WebRTC media

Start at: 2018-04-24 08:50:47
End at: 2018-04-24 08:51:17
Local clock offset: -4.332 ms
Remote clock offset: 26.294 ms

Below is generated by plot.py at 2018-04-24 12:38:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 192.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 192.351 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

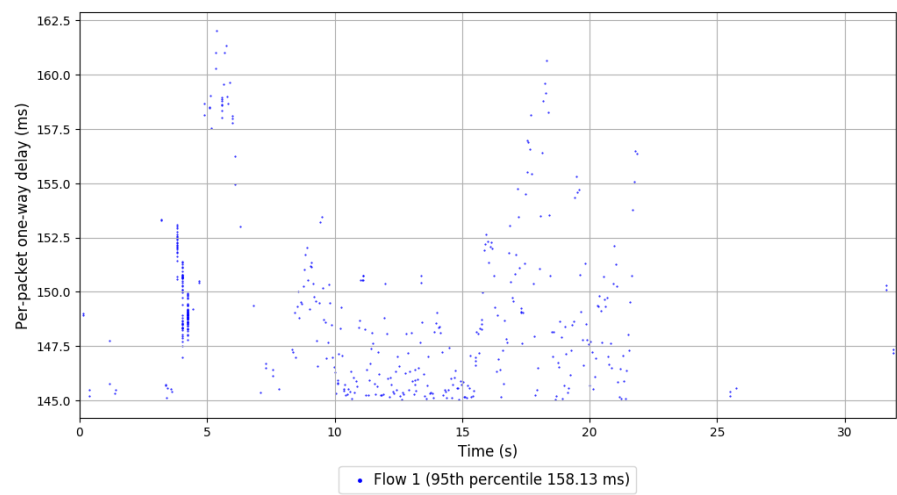
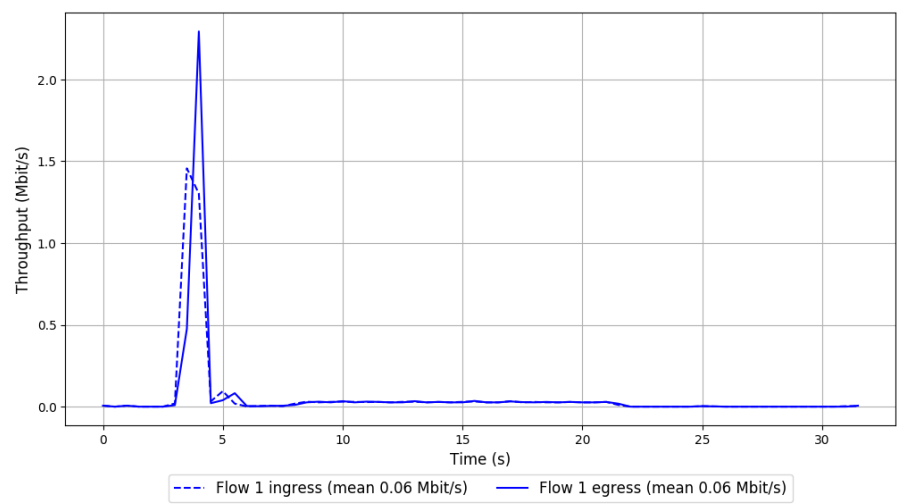


Run 2: Statistics of WebRTC media

Start at: 2018-04-24 09:11:53
End at: 2018-04-24 09:12:23
Local clock offset: 0.962 ms
Remote clock offset: -8.408 ms

Below is generated by plot.py at 2018-04-24 12:38:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 158.134 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 158.134 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

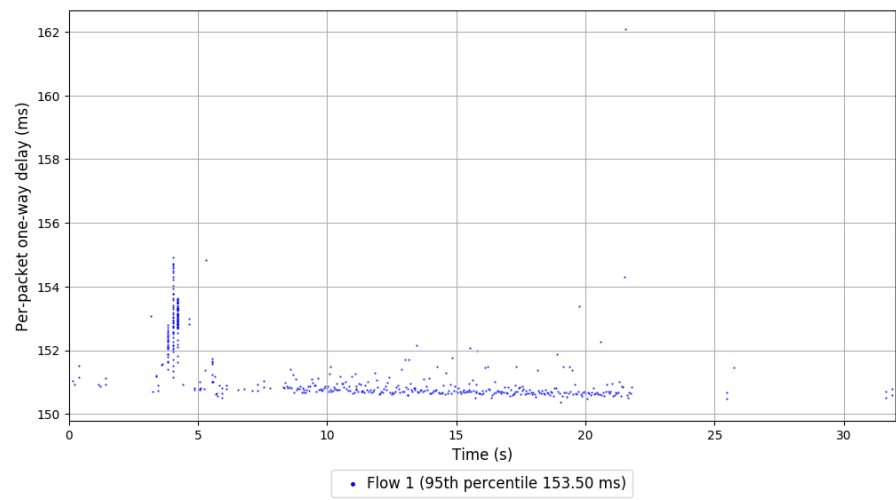
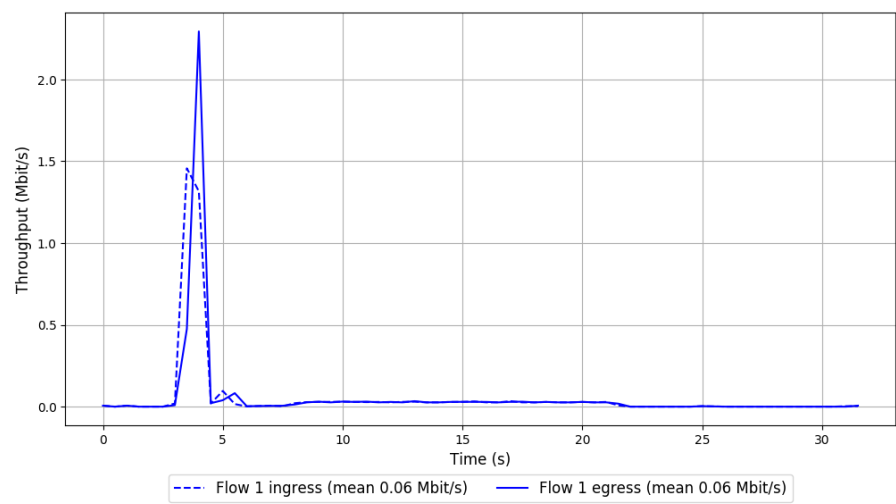


Run 3: Statistics of WebRTC media

Start at: 2018-04-24 09:33:17
End at: 2018-04-24 09:33:47
Local clock offset: 4.781 ms
Remote clock offset: -0.643 ms

Below is generated by plot.py at 2018-04-24 12:38:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 153.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 153.502 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

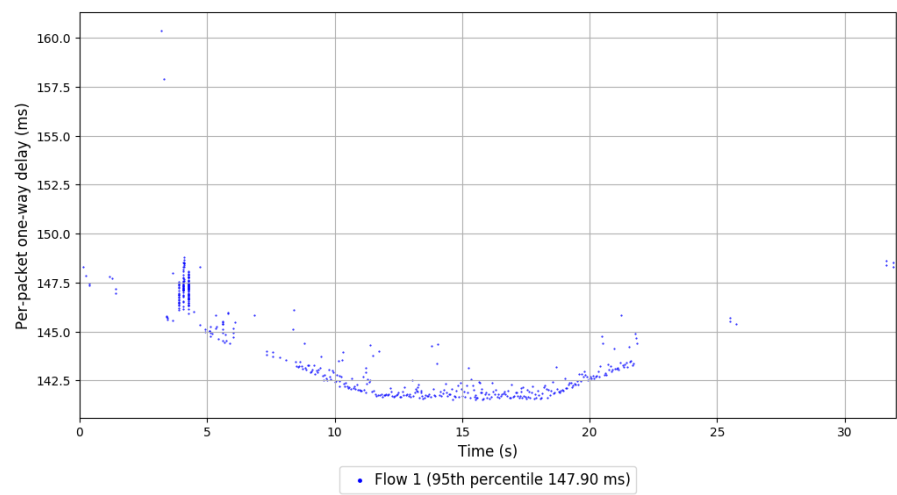
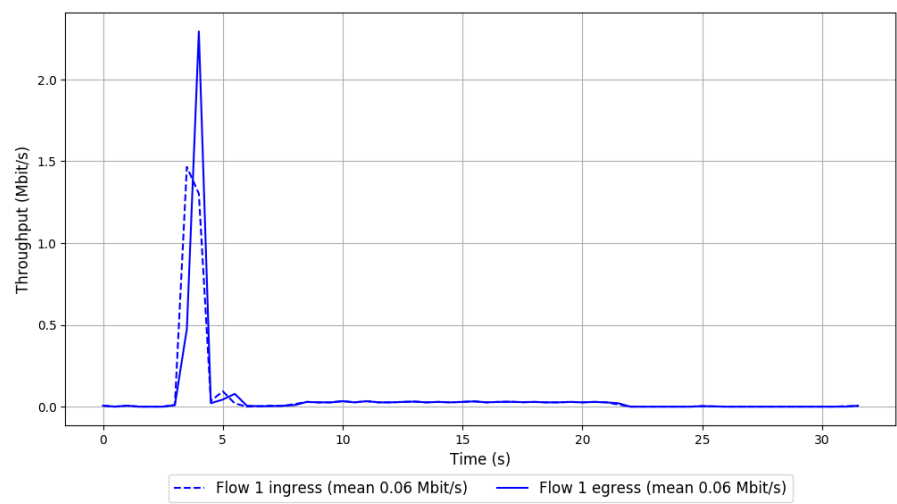


Run 4: Statistics of WebRTC media

Start at: 2018-04-24 09:54:29
End at: 2018-04-24 09:54:59
Local clock offset: 6.345 ms
Remote clock offset: 19.298 ms

Below is generated by plot.py at 2018-04-24 12:38:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 147.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 147.898 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

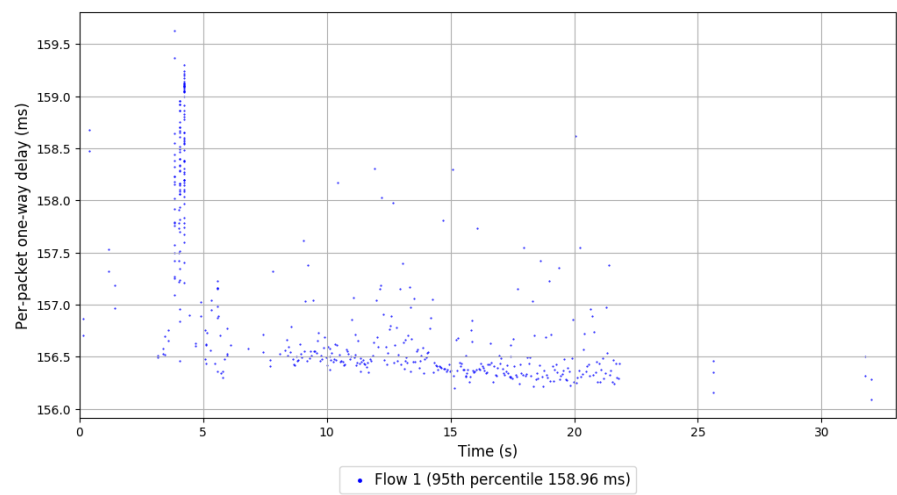
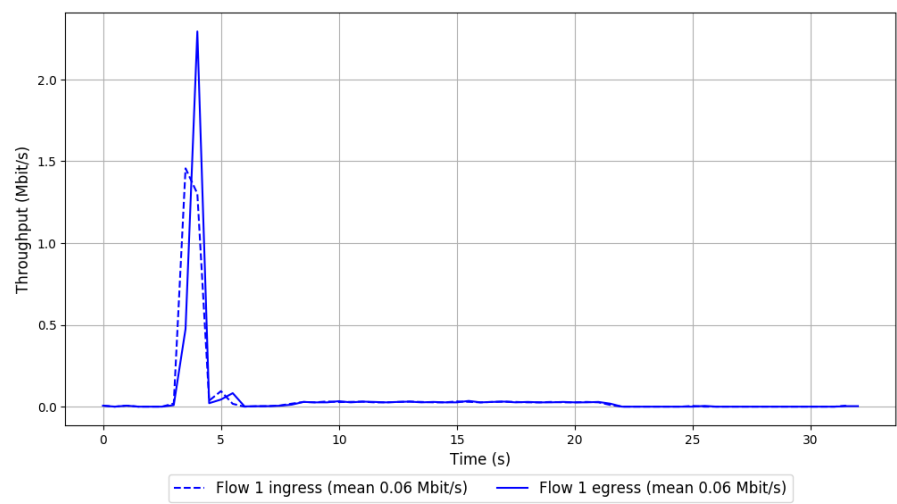


Run 5: Statistics of WebRTC media

Start at: 2018-04-24 10:15:36
End at: 2018-04-24 10:16:06
Local clock offset: 6.938 ms
Remote clock offset: -11.09 ms

Below is generated by plot.py at 2018-04-24 12:38:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 158.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 158.957 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-24 10:37:18

End at: 2018-04-24 10:37:48

Local clock offset: 6.635 ms

Remote clock offset: 15.74 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 258.372 ms

Loss rate: 1.11%

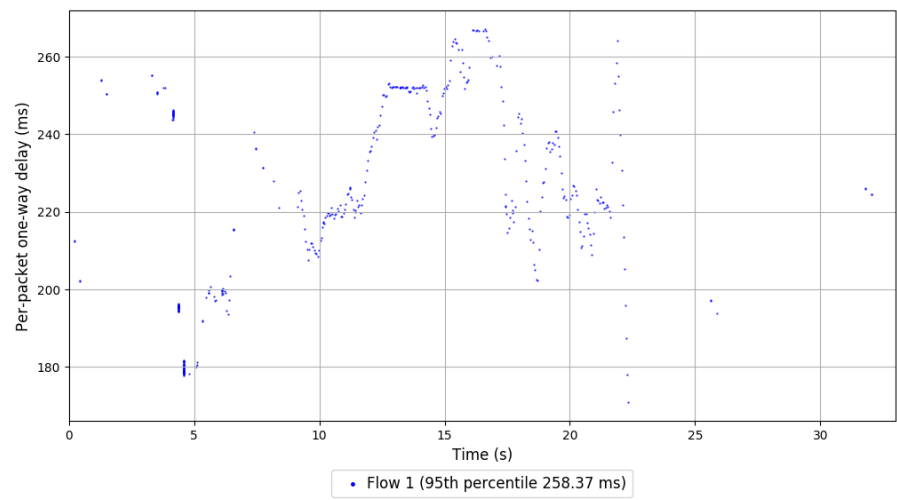
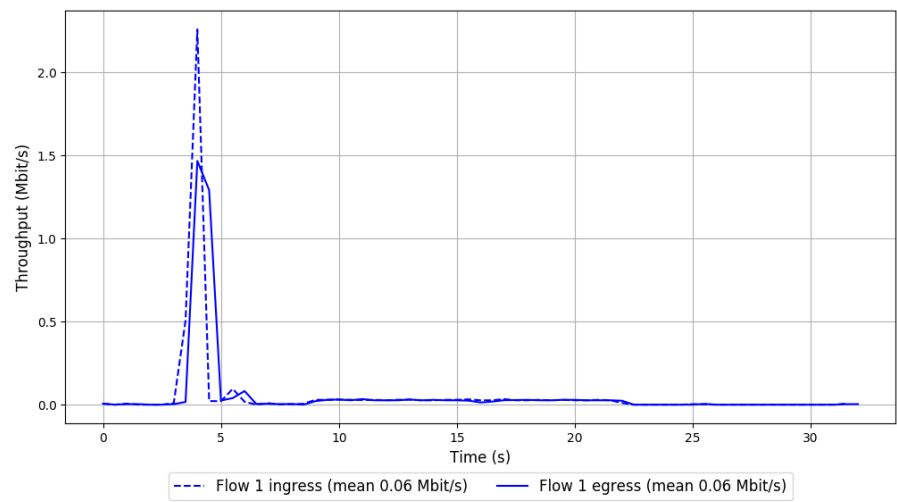
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 258.372 ms

Loss rate: 1.11%

Run 6: Report of WebRTC media — Data Link

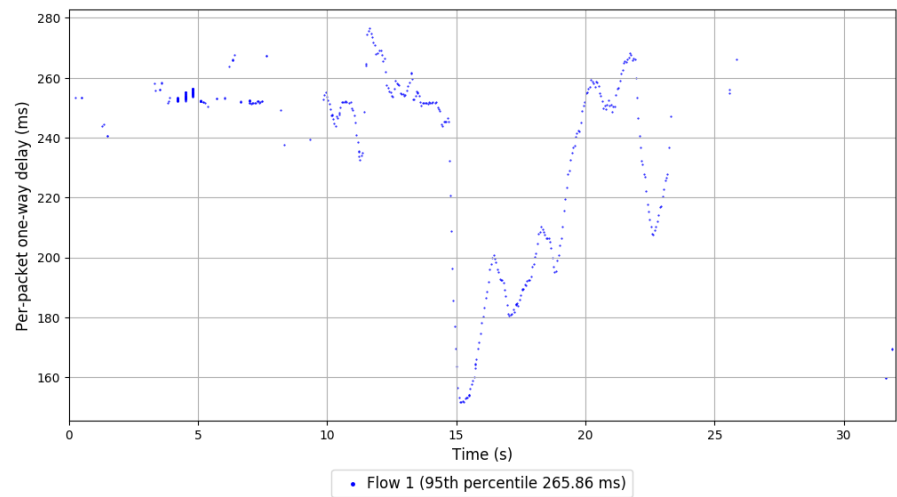
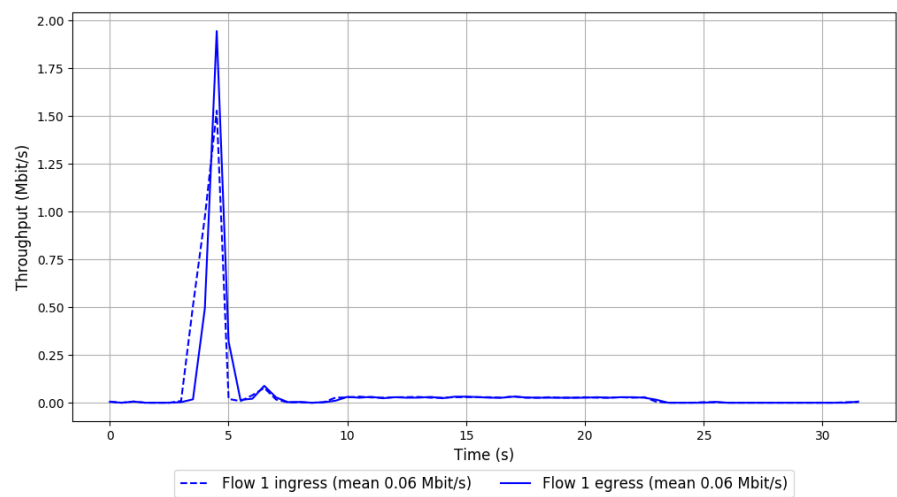


Run 7: Statistics of WebRTC media

Start at: 2018-04-24 10:59:16
End at: 2018-04-24 10:59:46
Local clock offset: -2.567 ms
Remote clock offset: 11.345 ms

Below is generated by plot.py at 2018-04-24 12:38:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 265.860 ms
Loss rate: 6.49%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 265.860 ms
Loss rate: 6.49%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-24 11:21:08

End at: 2018-04-24 11:21:38

Local clock offset: -5.707 ms

Remote clock offset: 7.67 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 262.301 ms

Loss rate: 1.52%

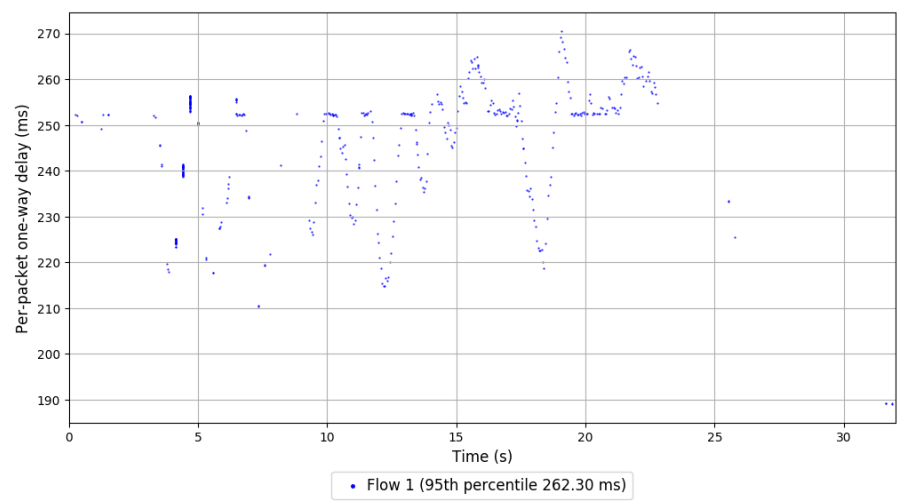
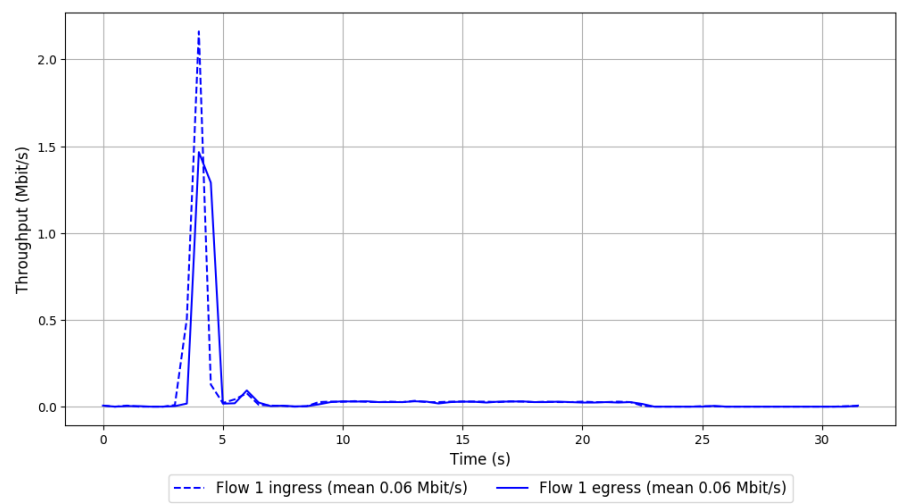
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 262.301 ms

Loss rate: 1.52%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-24 11:42:54

End at: 2018-04-24 11:43:24

Local clock offset: -1.238 ms

Remote clock offset: 6.95 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 258.435 ms

Loss rate: 2.79%

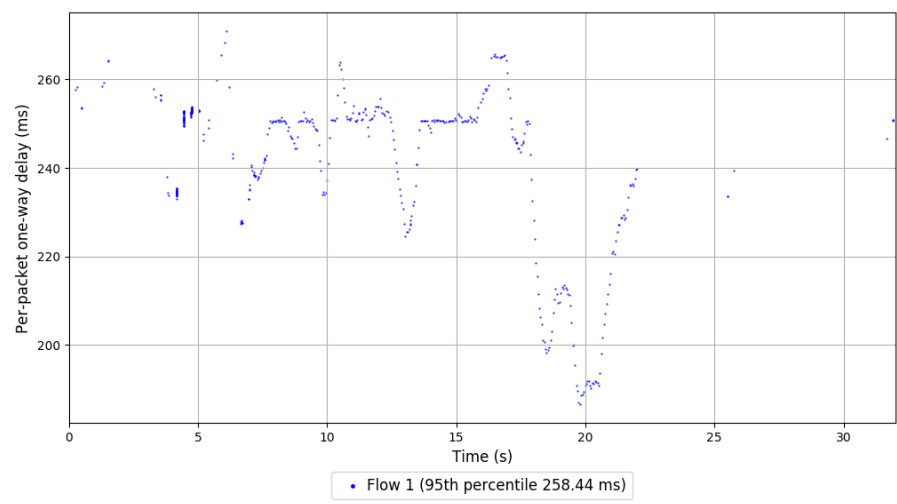
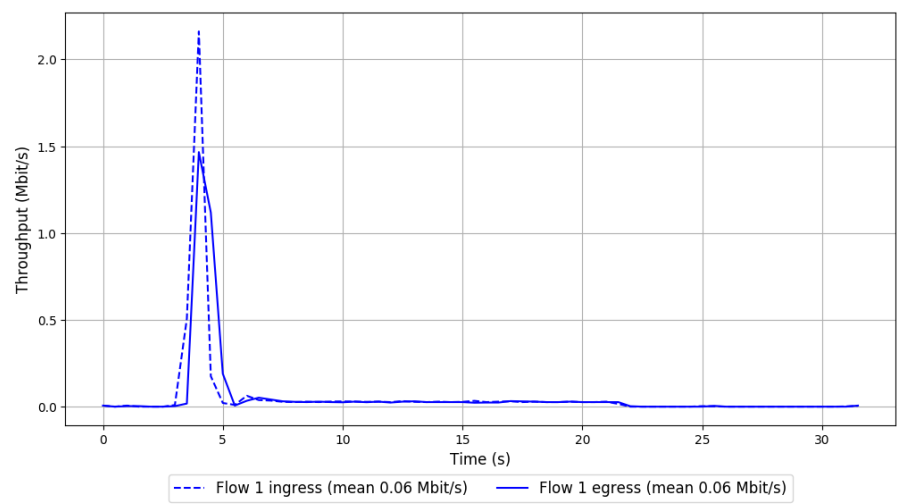
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 258.435 ms

Loss rate: 2.79%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-24 12:04:45

End at: 2018-04-24 12:05:15

Local clock offset: -0.369 ms

Remote clock offset: 1.171 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 250.872 ms

Loss rate: 0.00%

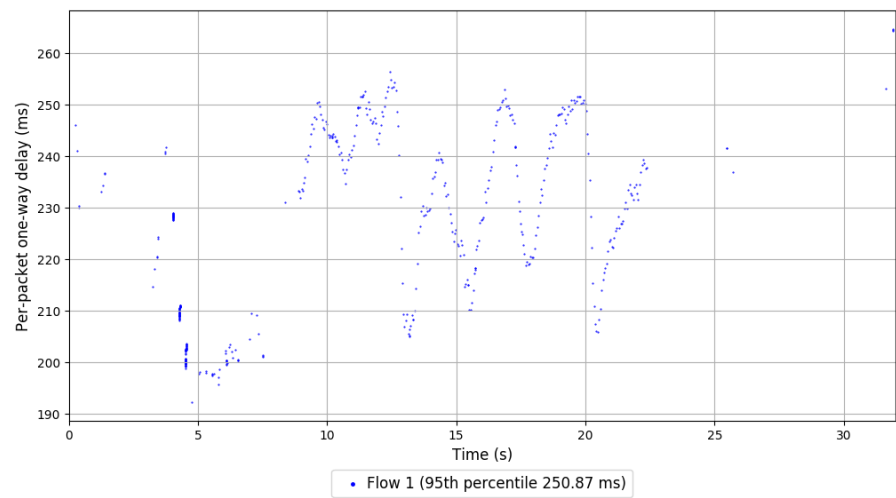
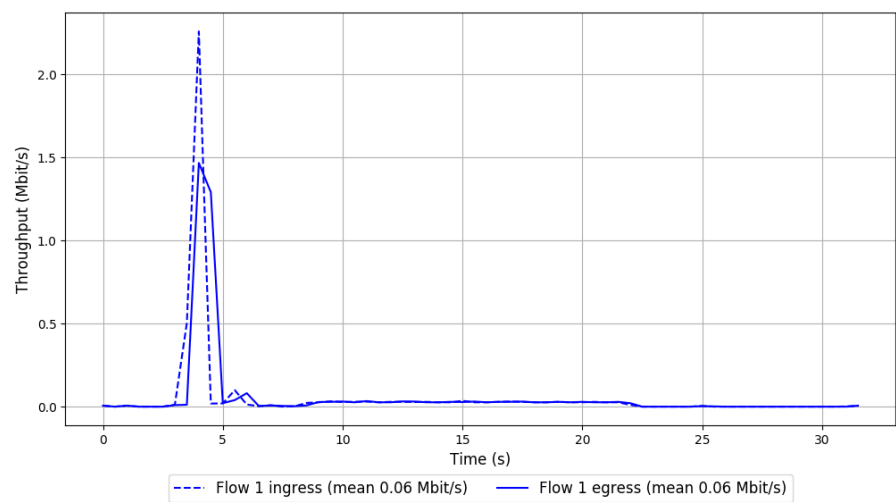
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 250.872 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

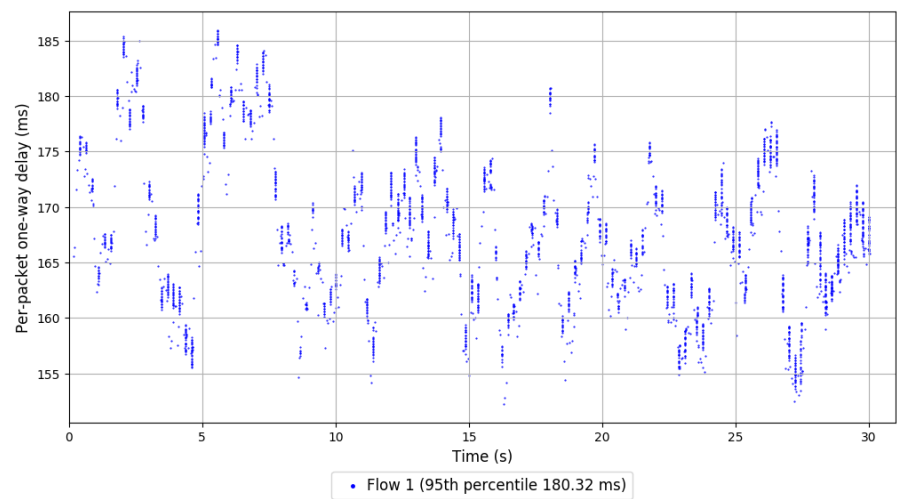
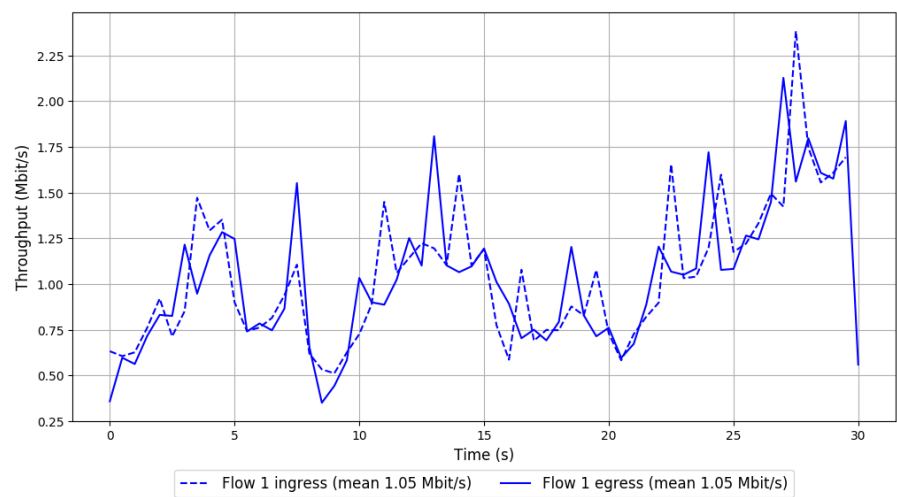


Run 1: Statistics of Sprout

Start at: 2018-04-24 09:00:39
End at: 2018-04-24 09:01:09
Local clock offset: -5.294 ms
Remote clock offset: -14.008 ms

Below is generated by plot.py at 2018-04-24 12:38:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 180.320 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 180.320 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

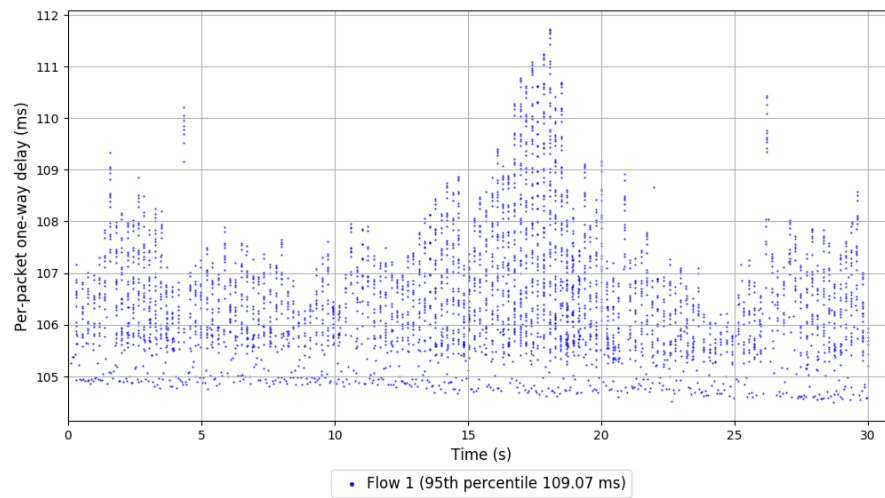
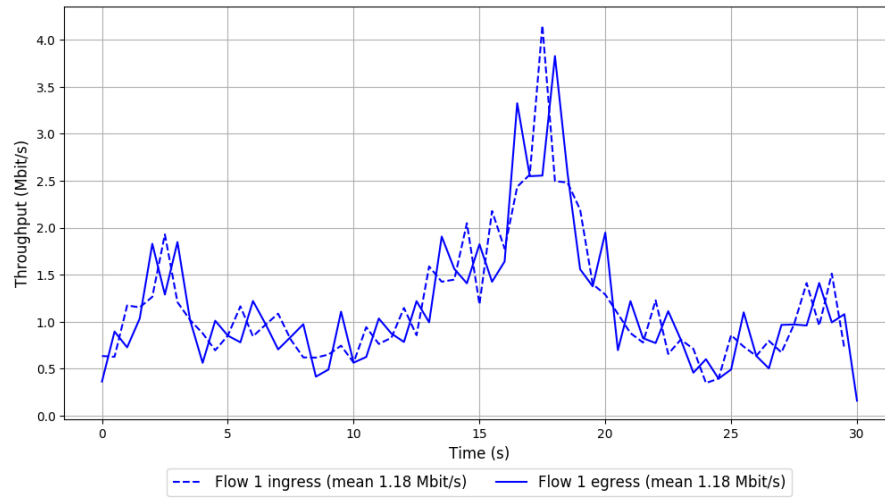


Run 2: Statistics of Sprout

Start at: 2018-04-24 09:21:57
End at: 2018-04-24 09:22:27
Local clock offset: 3.517 ms
Remote clock offset: -35.464 ms

Below is generated by plot.py at 2018-04-24 12:38:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 109.070 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 109.070 ms
Loss rate: 0.26%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-24 09:43:15

End at: 2018-04-24 09:43:45

Local clock offset: 5.51 ms

Remote clock offset: 8.458 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 165.708 ms

Loss rate: 0.82%

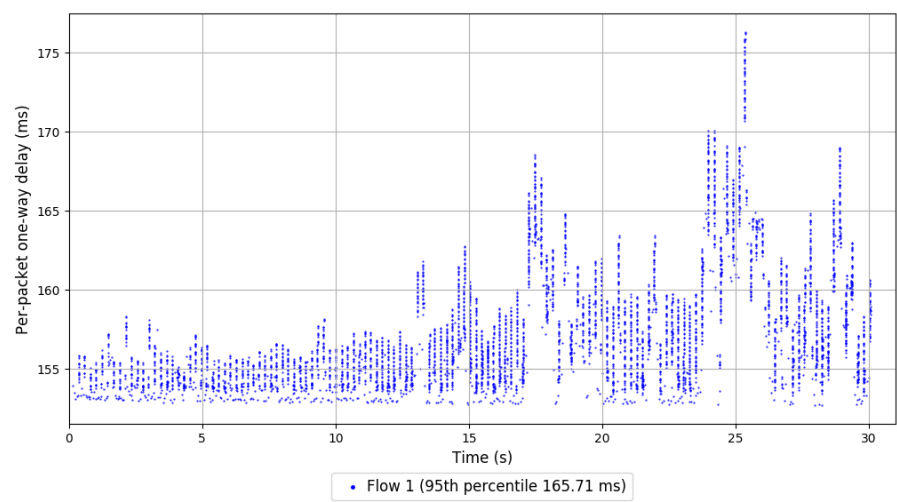
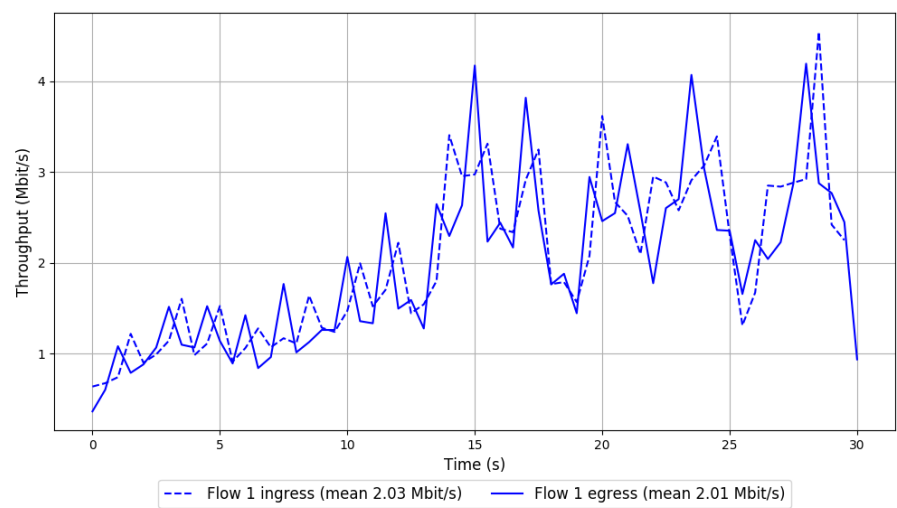
-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 165.708 ms

Loss rate: 0.82%

Run 3: Report of Sprout — Data Link

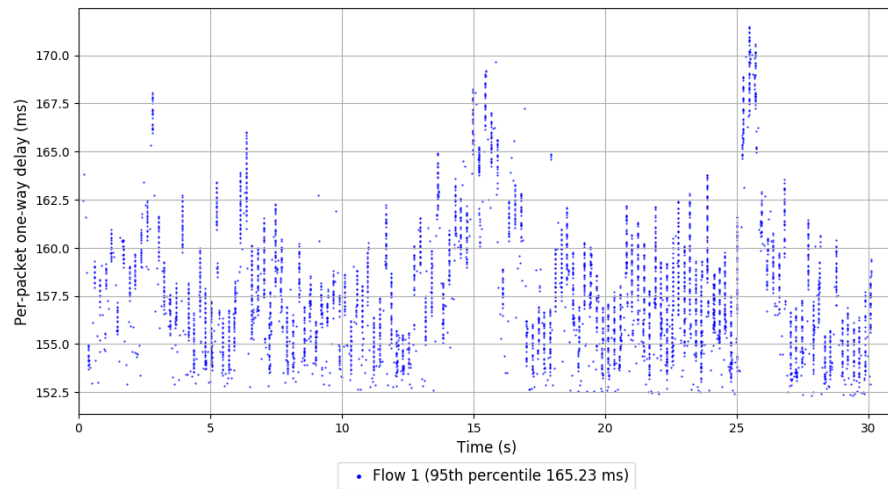
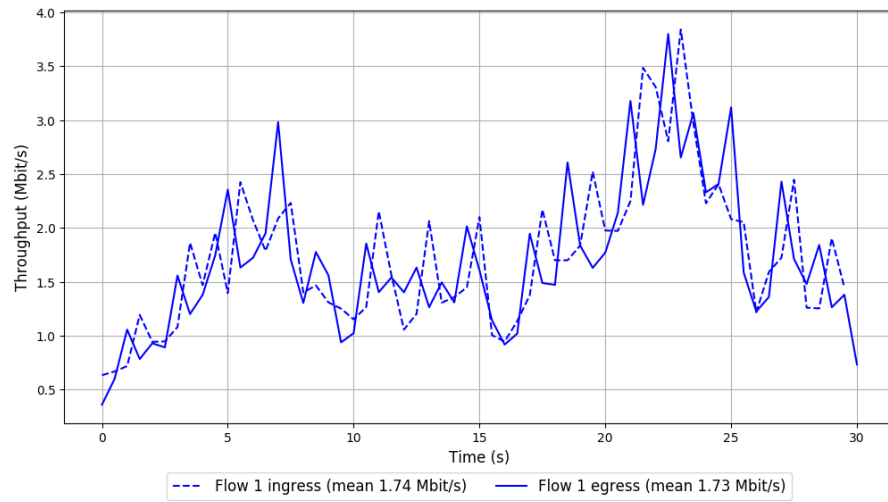


Run 4: Statistics of Sprout

Start at: 2018-04-24 10:04:21
End at: 2018-04-24 10:04:51
Local clock offset: 7.031 ms
Remote clock offset: -5.669 ms

Below is generated by plot.py at 2018-04-24 12:38:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 165.229 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 165.229 ms
Loss rate: 0.70%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-24 10:25:51

End at: 2018-04-24 10:26:21

Local clock offset: 6.415 ms

Remote clock offset: 5.223 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 268.234 ms

Loss rate: 0.37%

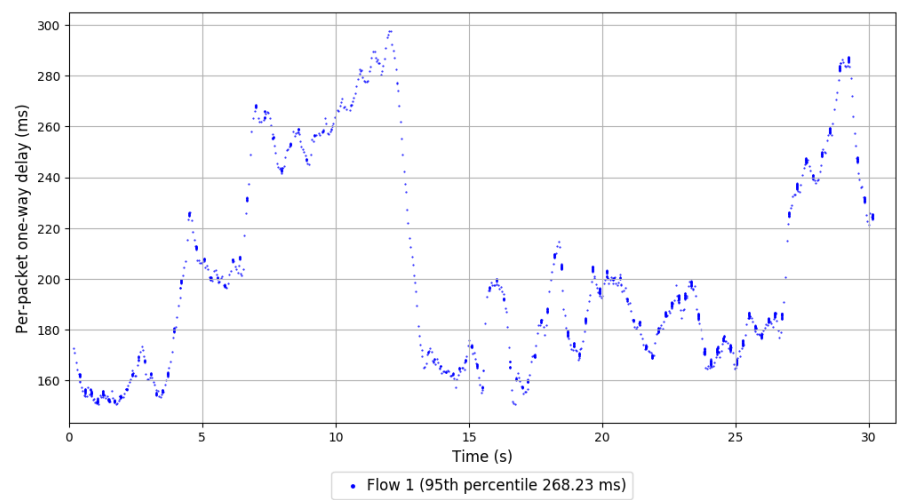
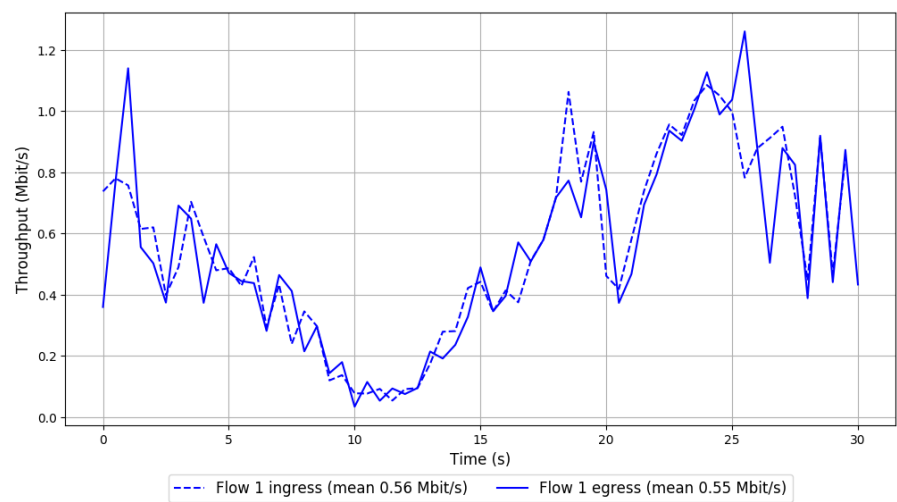
-- Flow 1:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 268.234 ms

Loss rate: 0.37%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-24 10:47:34

End at: 2018-04-24 10:48:04

Local clock offset: 4.213 ms

Remote clock offset: 9.723 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 302.825 ms

Loss rate: 1.00%

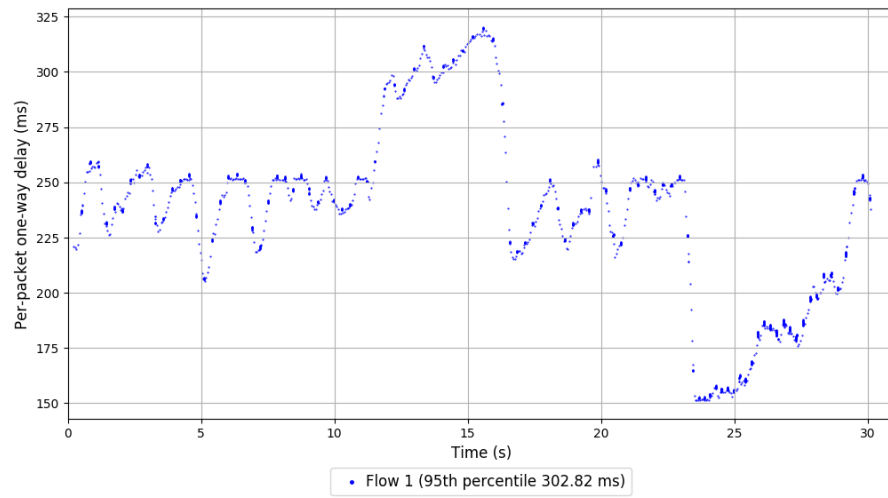
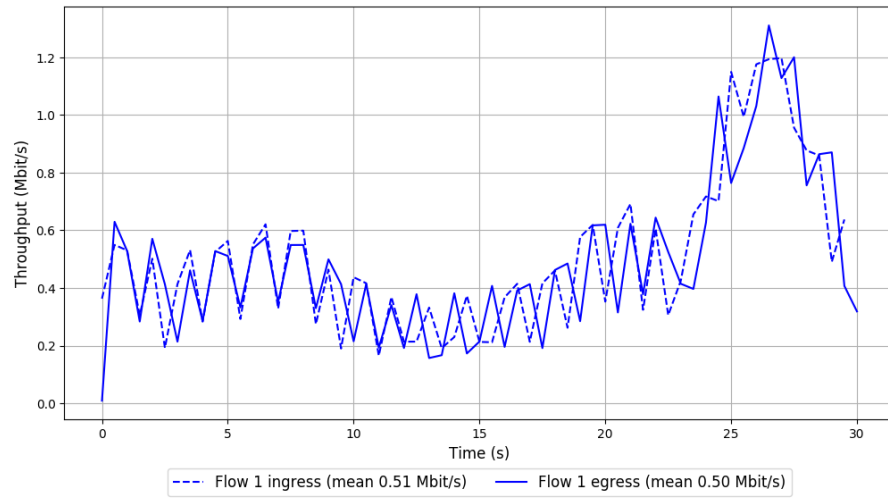
-- Flow 1:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 302.825 ms

Loss rate: 1.00%

Run 6: Report of Sprout — Data Link

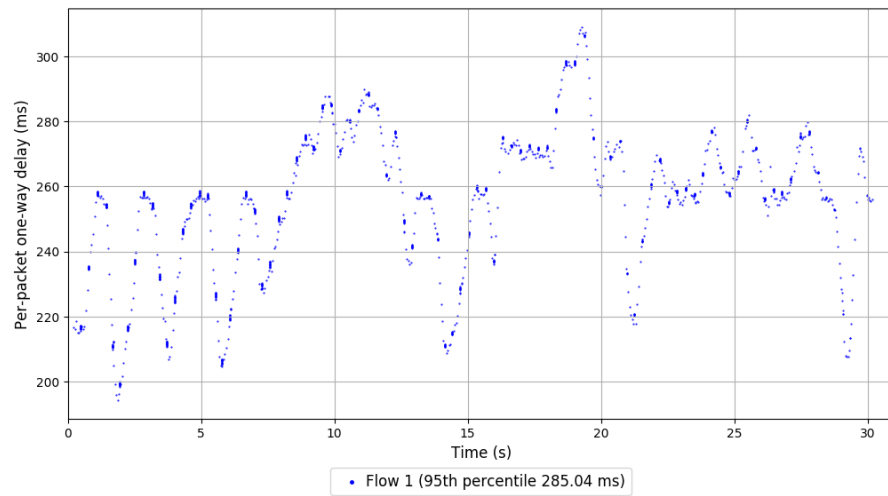
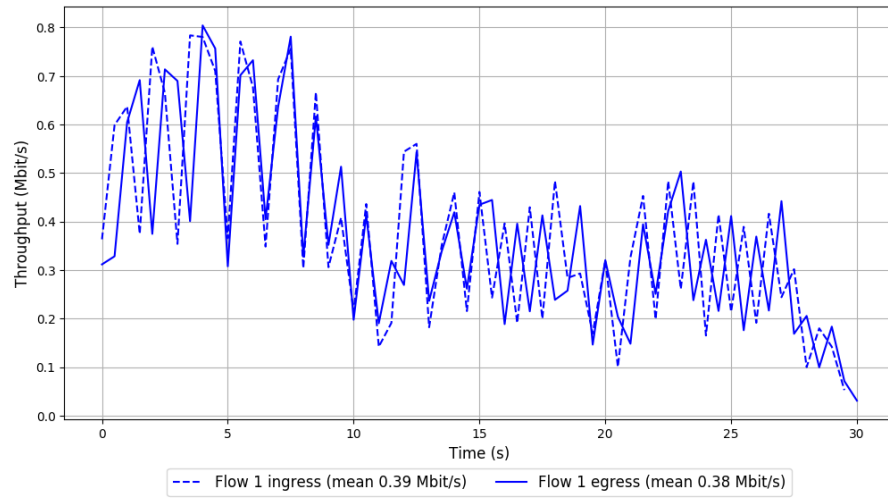


Run 7: Statistics of Sprout

Start at: 2018-04-24 11:09:33
End at: 2018-04-24 11:10:03
Local clock offset: -5.185 ms
Remote clock offset: 15.402 ms

Below is generated by plot.py at 2018-04-24 12:38:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 285.038 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 285.038 ms
Loss rate: 1.59%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-24 11:31:23

End at: 2018-04-24 11:31:53

Local clock offset: -1.88 ms

Remote clock offset: 5.632 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 276.374 ms

Loss rate: 2.84%

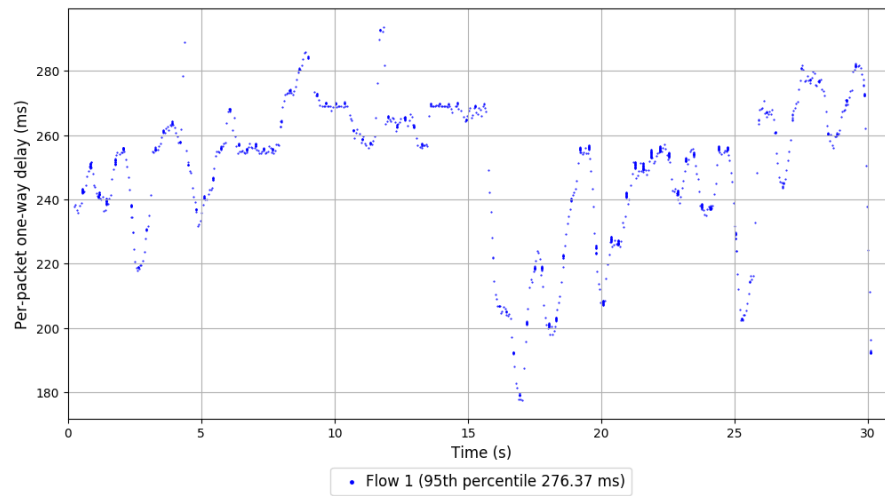
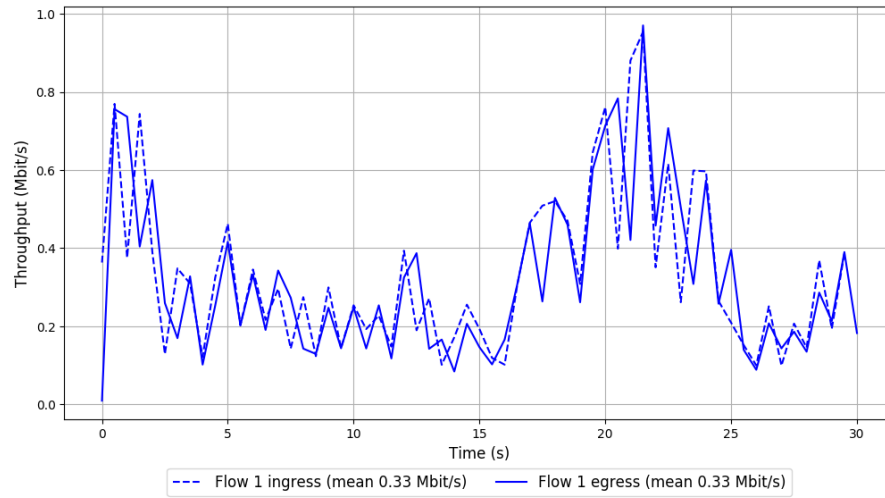
-- Flow 1:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 276.374 ms

Loss rate: 2.84%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-24 11:53:15

End at: 2018-04-24 11:53:45

Local clock offset: -1.491 ms

Remote clock offset: 3.458 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 277.434 ms

Loss rate: 3.33%

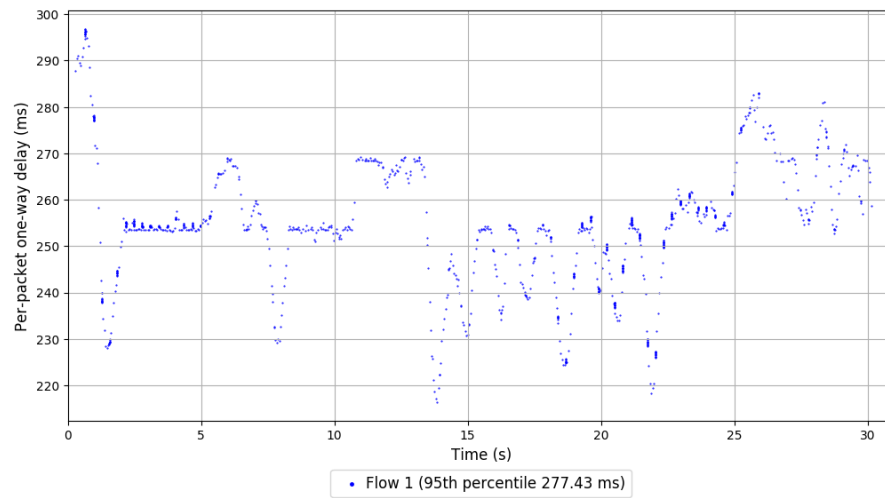
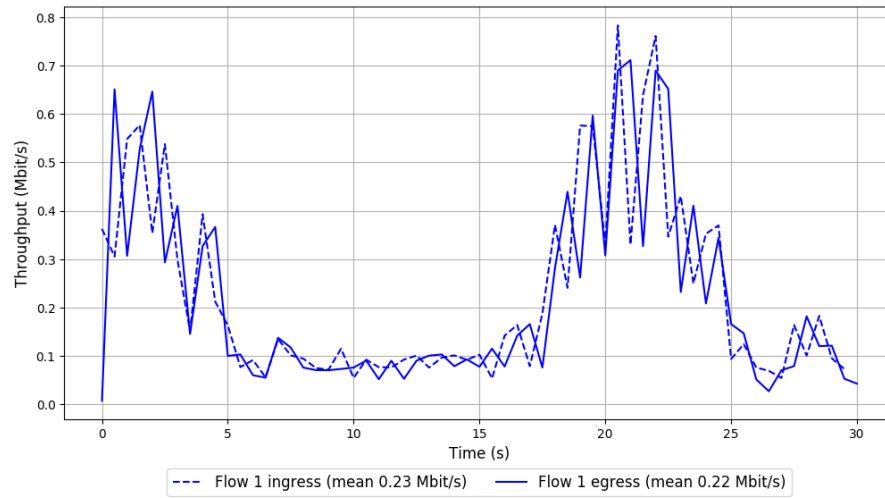
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 277.434 ms

Loss rate: 3.33%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-24 12:14:58

End at: 2018-04-24 12:15:28

Local clock offset: -0.207 ms

Remote clock offset: 0.888 ms

Below is generated by plot.py at 2018-04-24 12:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 247.883 ms

Loss rate: 0.06%

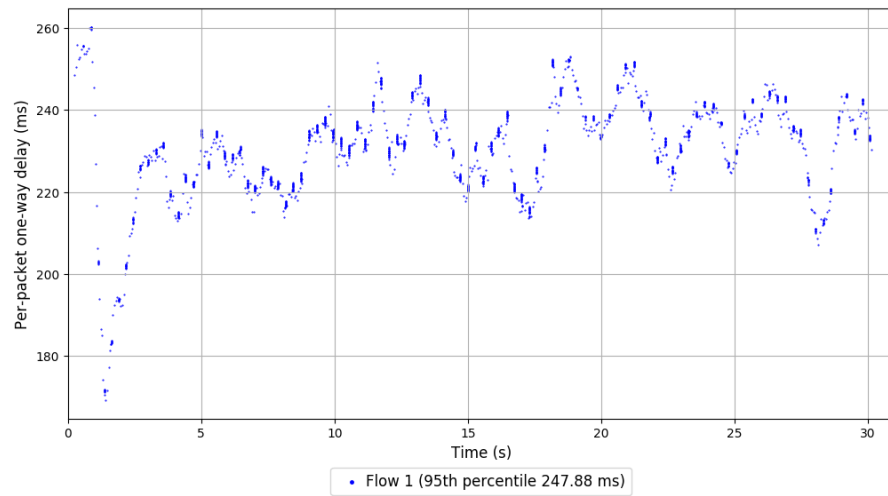
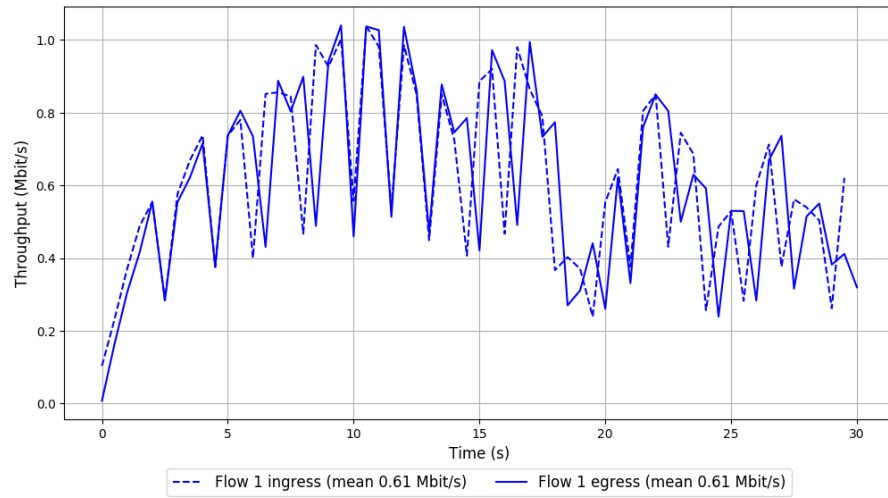
-- Flow 1:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 247.883 ms

Loss rate: 0.06%

Run 10: Report of Sprout — Data Link

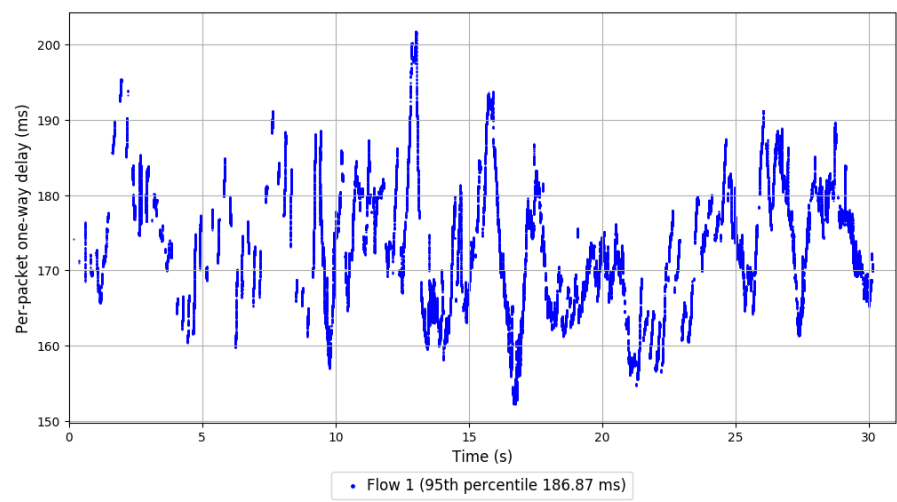
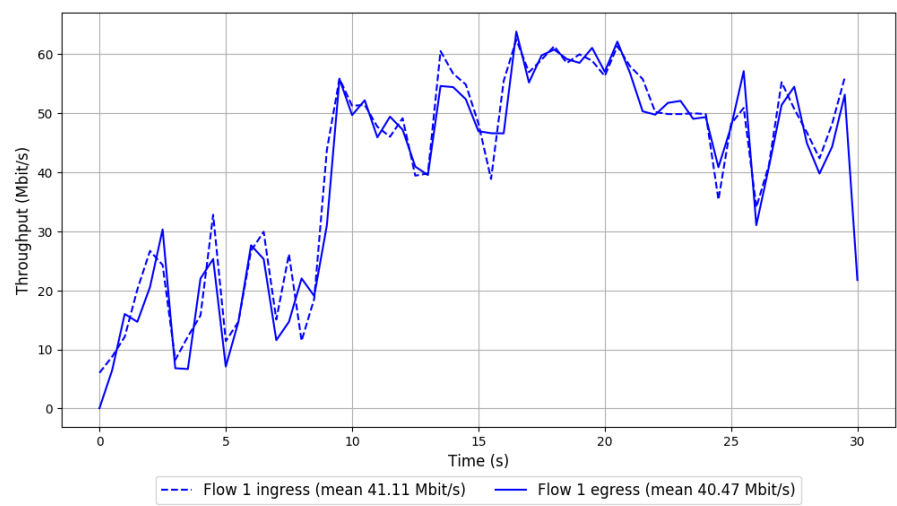


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-24 09:03:08
End at: 2018-04-24 09:03:38
Local clock offset: -4.789 ms
Remote clock offset: 9.055 ms

# Below is generated by plot.py at 2018-04-24 12:39:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.47 Mbit/s
95th percentile per-packet one-way delay: 186.870 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 40.47 Mbit/s
95th percentile per-packet one-way delay: 186.870 ms
Loss rate: 1.59%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-04-24 09:24:28

End at: 2018-04-24 09:24:58

Local clock offset: 3.852 ms

Remote clock offset: 0.922 ms

Below is generated by plot.py at 2018-04-24 12:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.95 Mbit/s

95th percentile per-packet one-way delay: 152.843 ms

Loss rate: 2.99%

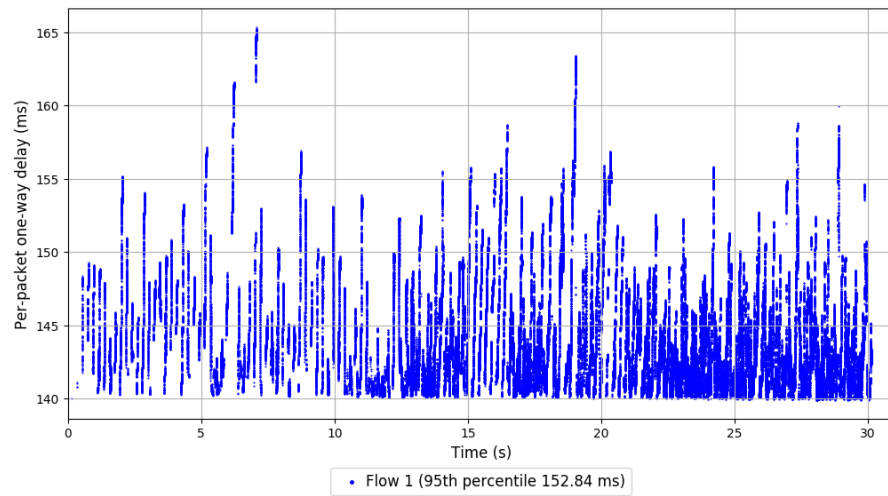
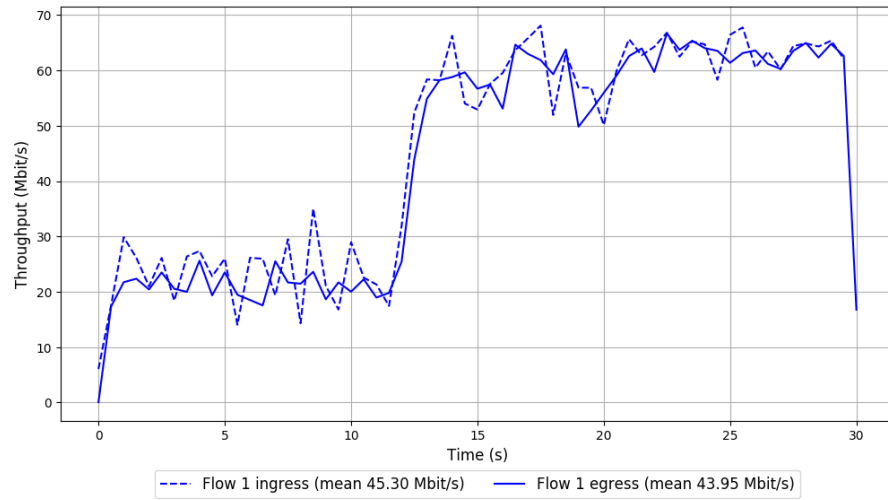
-- Flow 1:

Average throughput: 43.95 Mbit/s

95th percentile per-packet one-way delay: 152.843 ms

Loss rate: 2.99%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-24 09:45:45

End at: 2018-04-24 09:46:15

Local clock offset: 5.689 ms

Remote clock offset: 10.621 ms

Below is generated by plot.py at 2018-04-24 12:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.47 Mbit/s

95th percentile per-packet one-way delay: 174.859 ms

Loss rate: 4.59%

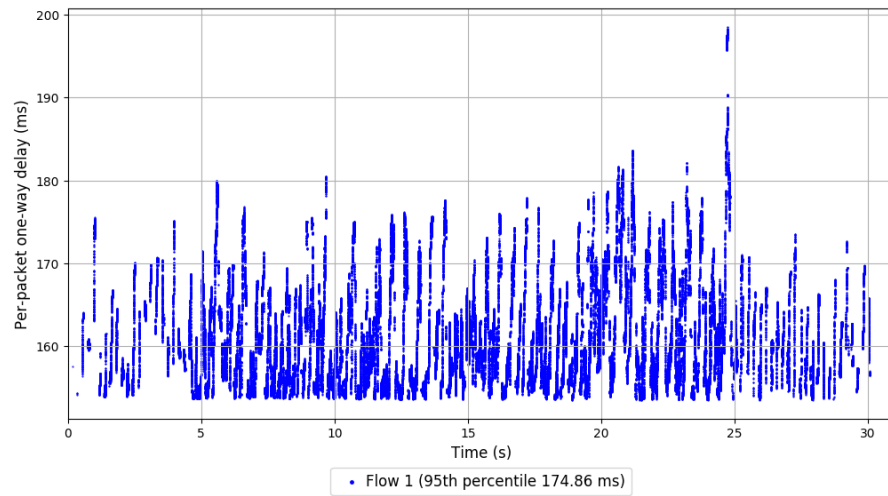
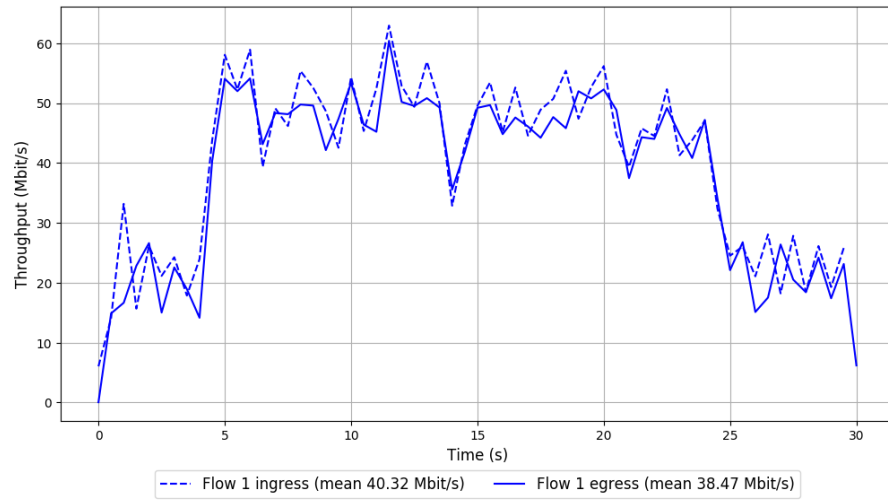
-- Flow 1:

Average throughput: 38.47 Mbit/s

95th percentile per-packet one-way delay: 174.859 ms

Loss rate: 4.59%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-24 10:06:52

End at: 2018-04-24 10:07:22

Local clock offset: 7.337 ms

Remote clock offset: -2.133 ms

Below is generated by plot.py at 2018-04-24 12:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.60 Mbit/s

95th percentile per-packet one-way delay: 165.424 ms

Loss rate: 2.73%

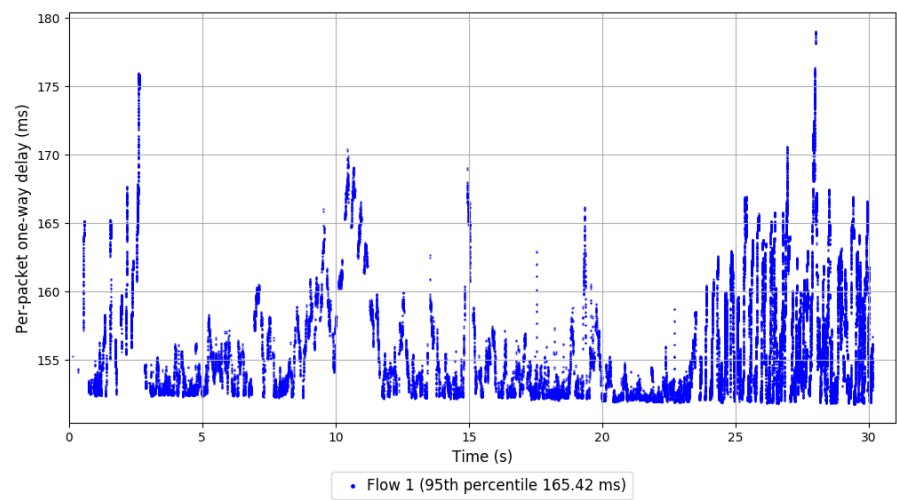
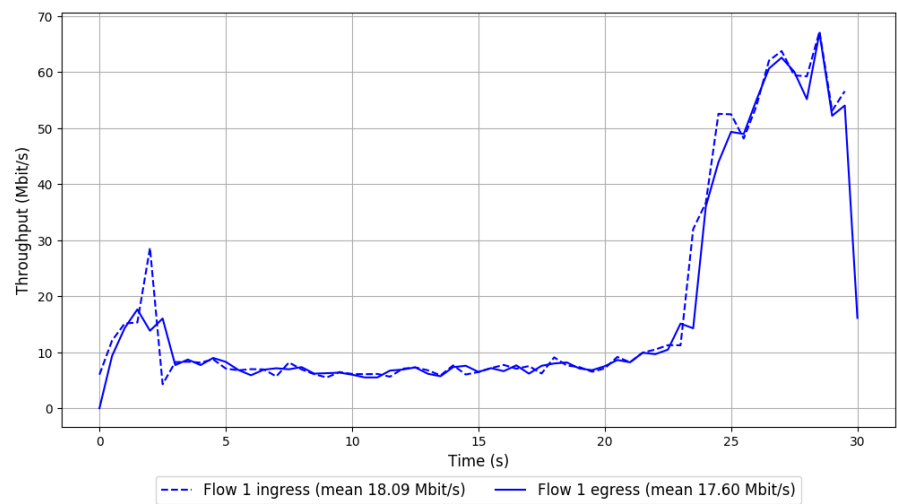
-- Flow 1:

Average throughput: 17.60 Mbit/s

95th percentile per-packet one-way delay: 165.424 ms

Loss rate: 2.73%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-24 10:28:21

End at: 2018-04-24 10:28:51

Local clock offset: 6.429 ms

Remote clock offset: 7.648 ms

Below is generated by plot.py at 2018-04-24 12:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.61 Mbit/s

95th percentile per-packet one-way delay: 252.934 ms

Loss rate: 4.99%

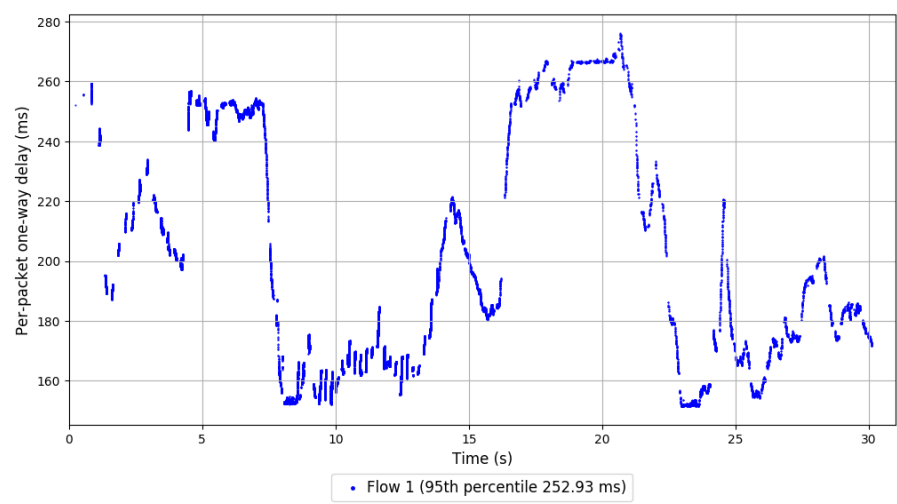
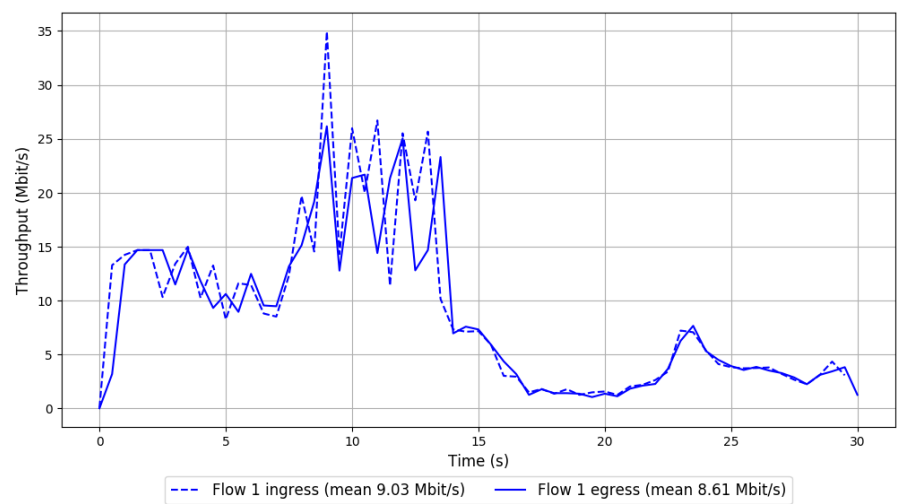
-- Flow 1:

Average throughput: 8.61 Mbit/s

95th percentile per-packet one-way delay: 252.934 ms

Loss rate: 4.99%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-24 10:50:17

End at: 2018-04-24 10:50:47

Local clock offset: 2.039 ms

Remote clock offset: 9.719 ms

Below is generated by plot.py at 2018-04-24 12:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.62 Mbit/s

95th percentile per-packet one-way delay: 266.817 ms

Loss rate: 2.23%

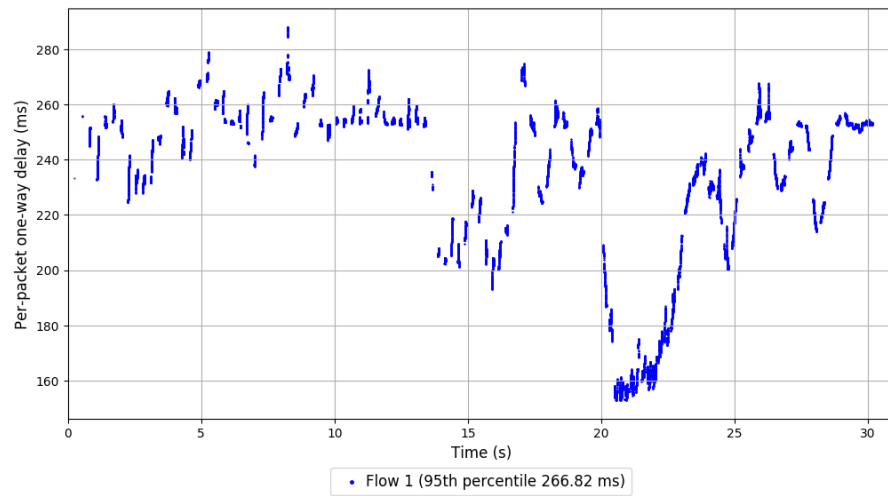
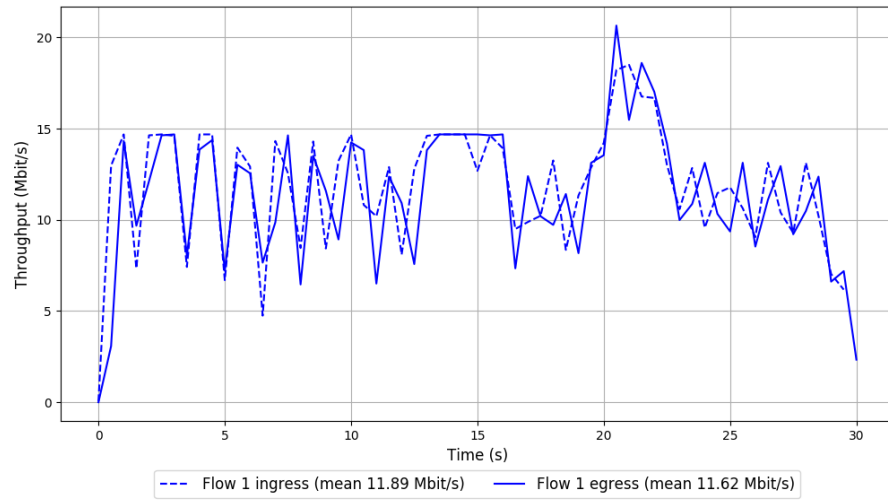
-- Flow 1:

Average throughput: 11.62 Mbit/s

95th percentile per-packet one-way delay: 266.817 ms

Loss rate: 2.23%

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

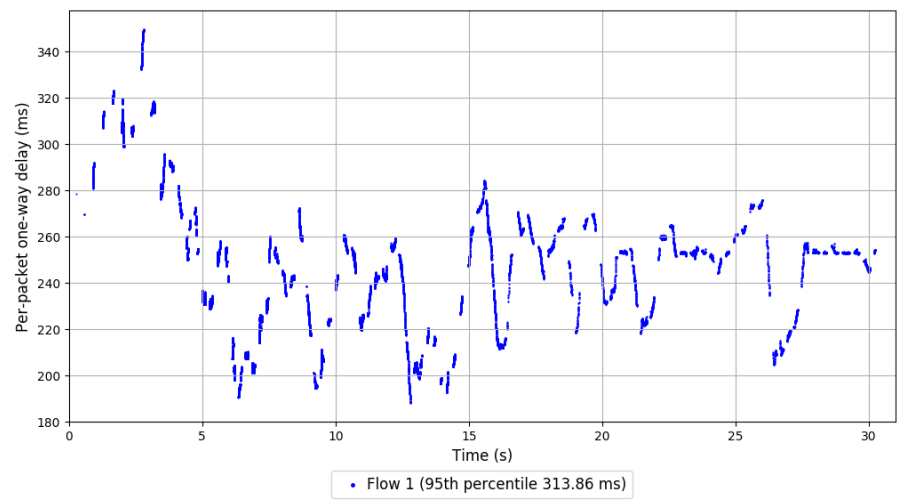
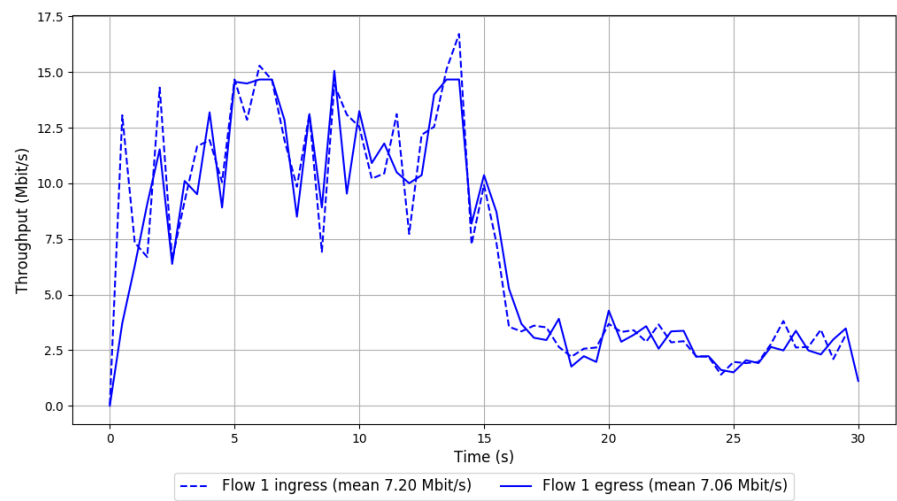


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-24 11:12:06
End at: 2018-04-24 11:12:36
Local clock offset: -5.73 ms
Remote clock offset: 16.582 ms

Below is generated by plot.py at 2018-04-24 12:39:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 313.860 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 313.860 ms
Loss rate: 2.05%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-24 11:33:55

End at: 2018-04-24 11:34:25

Local clock offset: -1.633 ms

Remote clock offset: 5.696 ms

Below is generated by plot.py at 2018-04-24 12:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.46 Mbit/s

95th percentile per-packet one-way delay: 266.431 ms

Loss rate: 3.50%

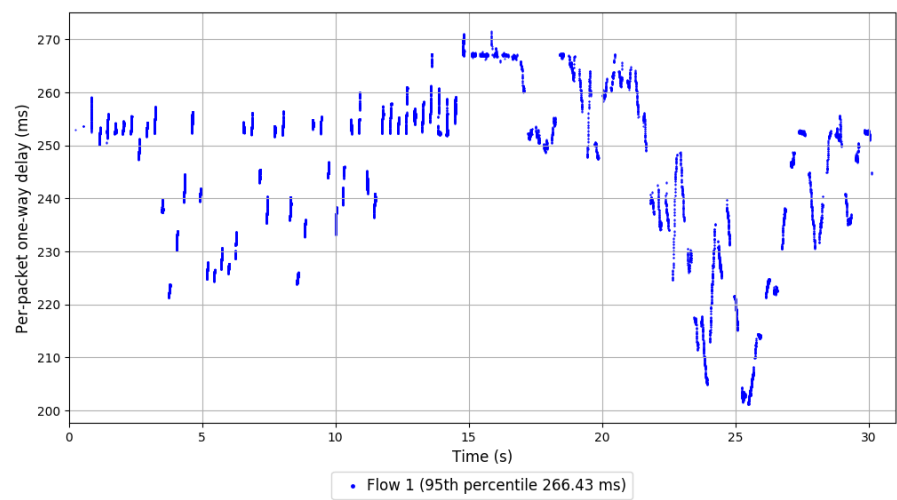
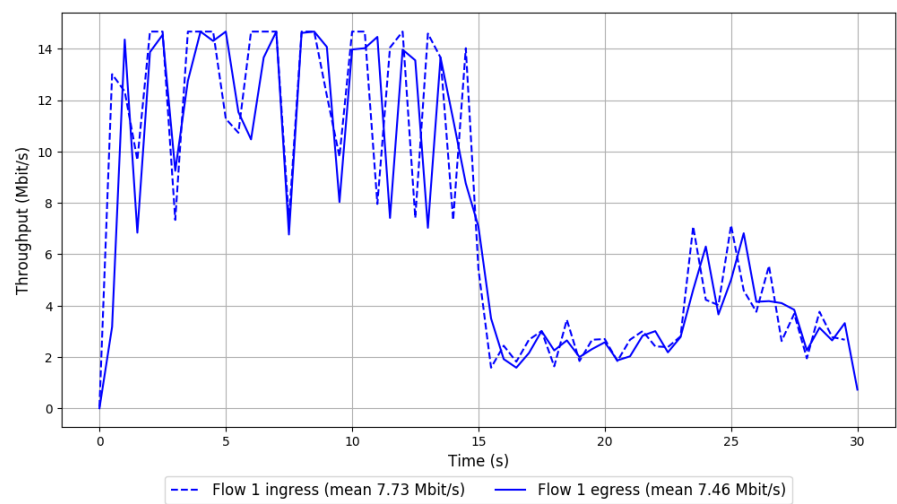
-- Flow 1:

Average throughput: 7.46 Mbit/s

95th percentile per-packet one-way delay: 266.431 ms

Loss rate: 3.50%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-24 11:55:46

End at: 2018-04-24 11:56:16

Local clock offset: -1.029 ms

Remote clock offset: 2.655 ms

Below is generated by plot.py at 2018-04-24 12:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.17 Mbit/s

95th percentile per-packet one-way delay: 261.912 ms

Loss rate: 2.88%

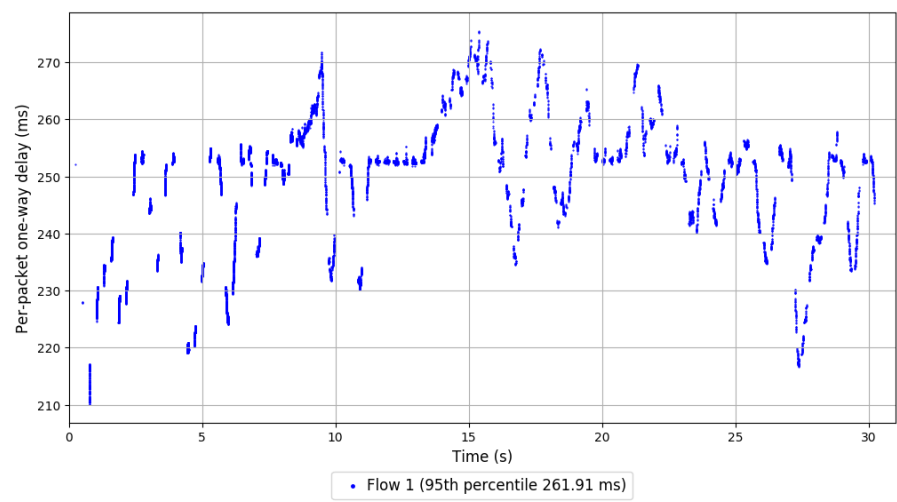
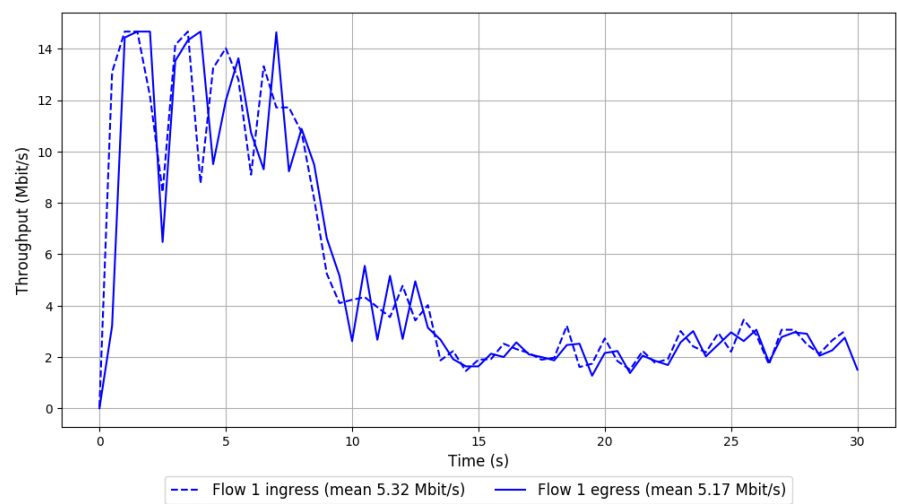
-- Flow 1:

Average throughput: 5.17 Mbit/s

95th percentile per-packet one-way delay: 261.912 ms

Loss rate: 2.88%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-04-24 12:17:33

End at: 2018-04-24 12:18:03

Local clock offset: -0.422 ms

Remote clock offset: 0.975 ms

Below is generated by plot.py at 2018-04-24 12:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.69 Mbit/s

95th percentile per-packet one-way delay: 235.869 ms

Loss rate: 0.78%

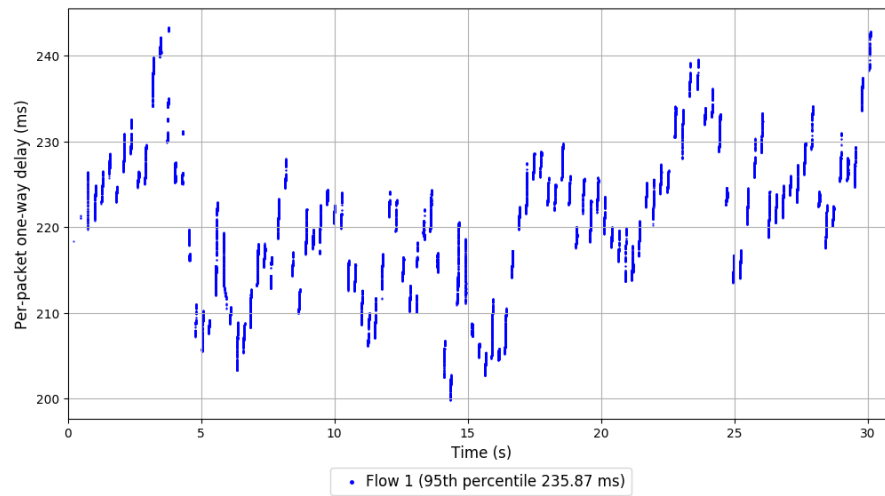
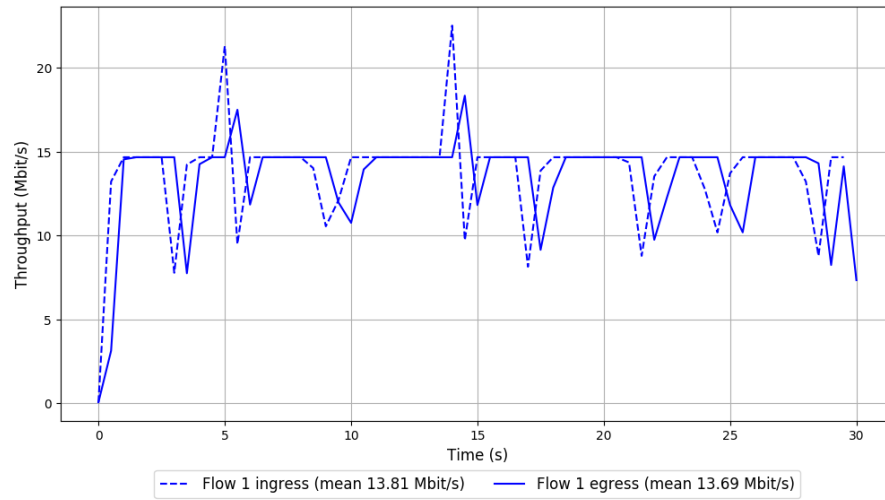
-- Flow 1:

Average throughput: 13.69 Mbit/s

95th percentile per-packet one-way delay: 235.869 ms

Loss rate: 0.78%

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

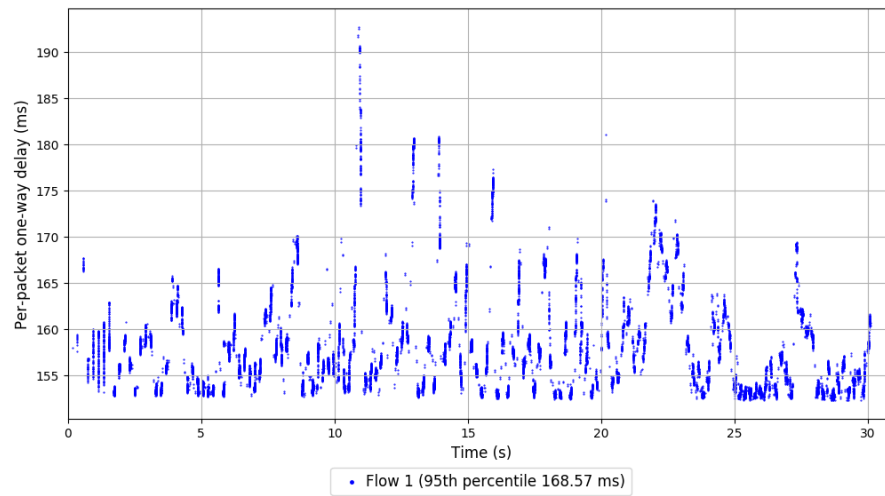
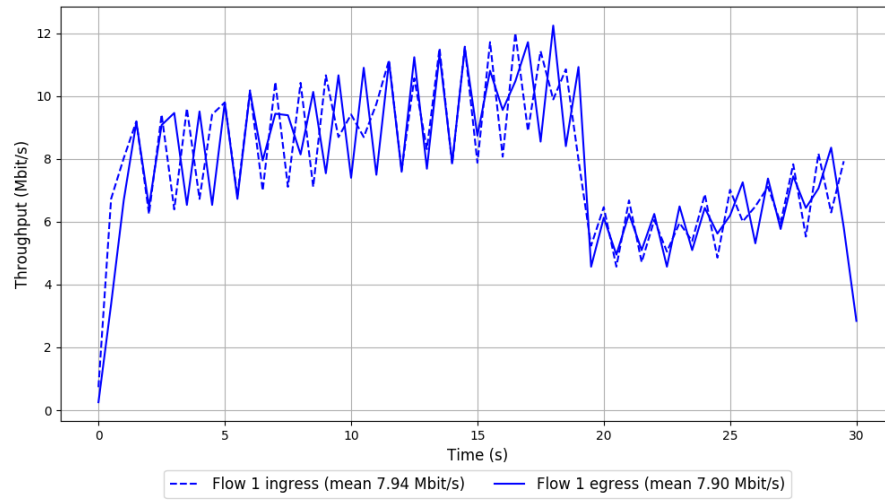


Run 1: Statistics of TCP Vegas

Start at: 2018-04-24 09:04:24
End at: 2018-04-24 09:04:54
Local clock offset: -3.88 ms
Remote clock offset: 11.842 ms

Below is generated by plot.py at 2018-04-24 12:39:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 168.573 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 168.573 ms
Loss rate: 0.45%

Run 1: Report of TCP Vegas — Data Link

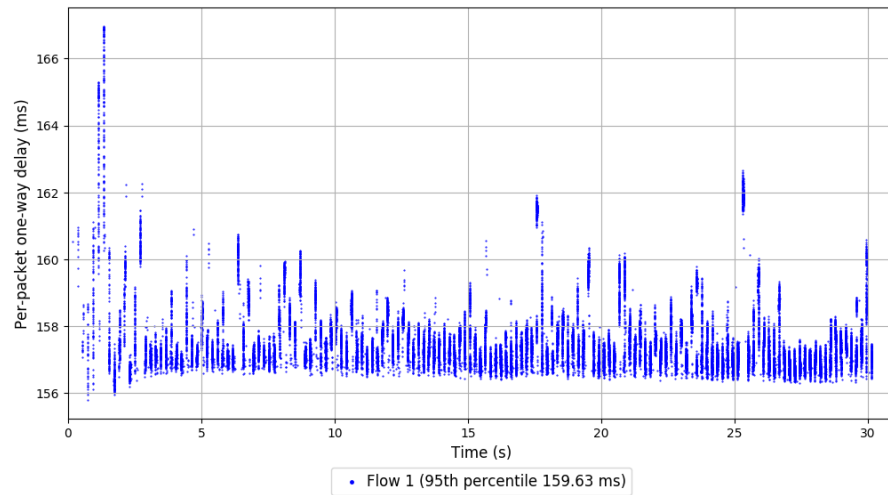
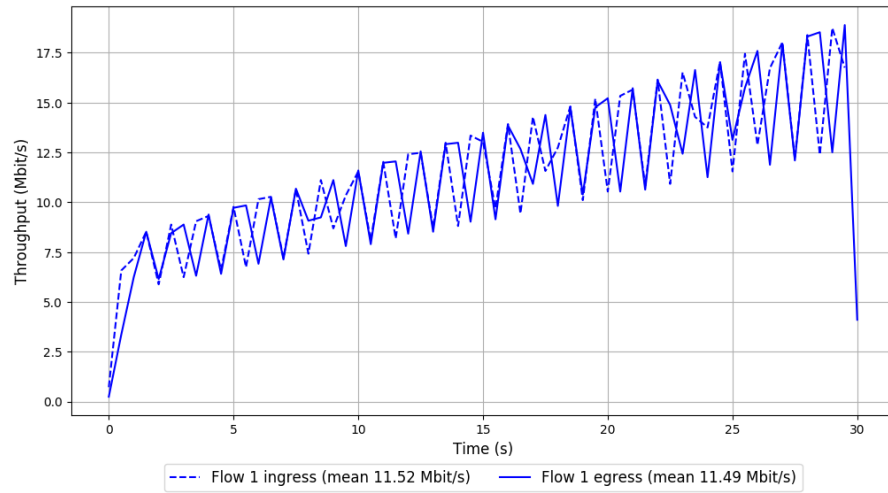


Run 2: Statistics of TCP Vegas

Start at: 2018-04-24 09:25:44
End at: 2018-04-24 09:26:14
Local clock offset: 4.144 ms
Remote clock offset: -3.859 ms

Below is generated by plot.py at 2018-04-24 12:39:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.49 Mbit/s
95th percentile per-packet one-way delay: 159.627 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 11.49 Mbit/s
95th percentile per-packet one-way delay: 159.627 ms
Loss rate: 0.27%

Run 2: Report of TCP Vegas — Data Link

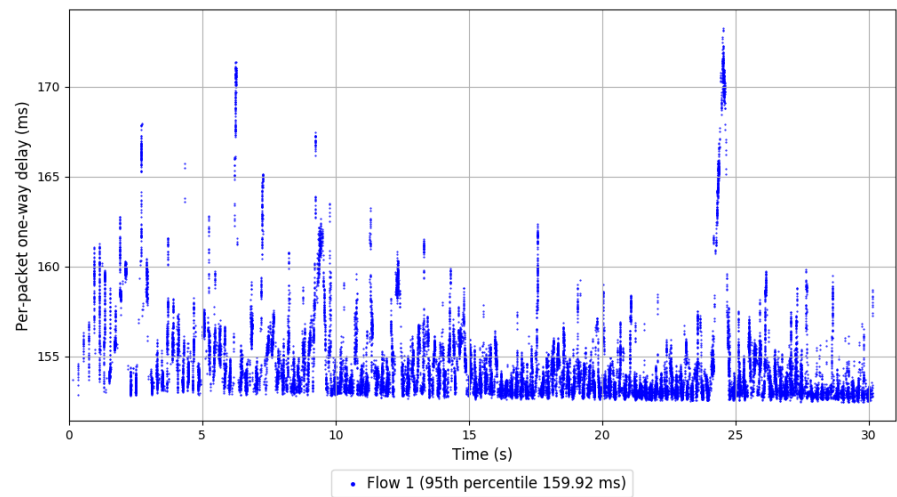
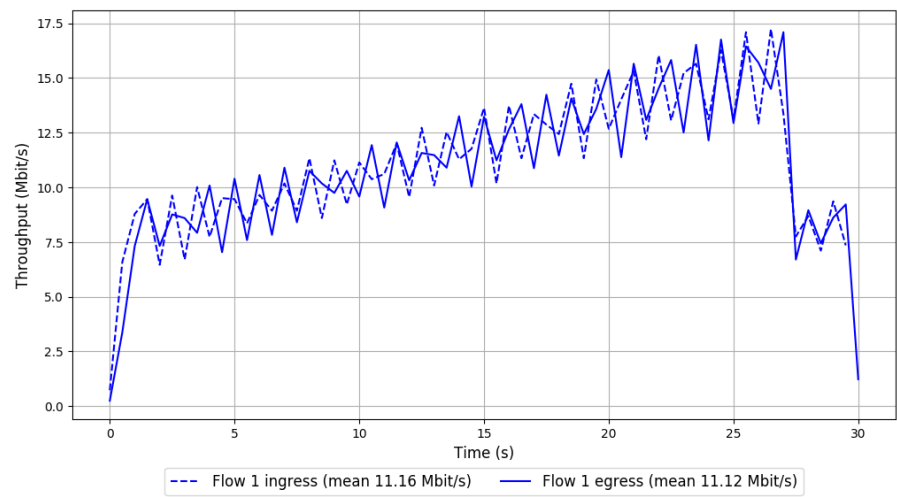


Run 3: Statistics of TCP Vegas

Start at: 2018-04-24 09:47:01
End at: 2018-04-24 09:47:31
Local clock offset: 5.829 ms
Remote clock offset: 11.824 ms

Below is generated by plot.py at 2018-04-24 12:39:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 159.917 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 159.917 ms
Loss rate: 0.30%

Run 3: Report of TCP Vegas — Data Link

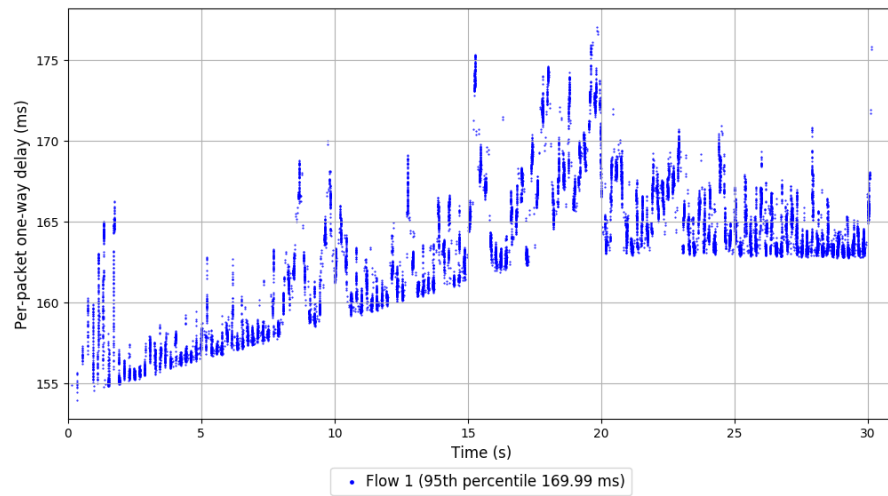
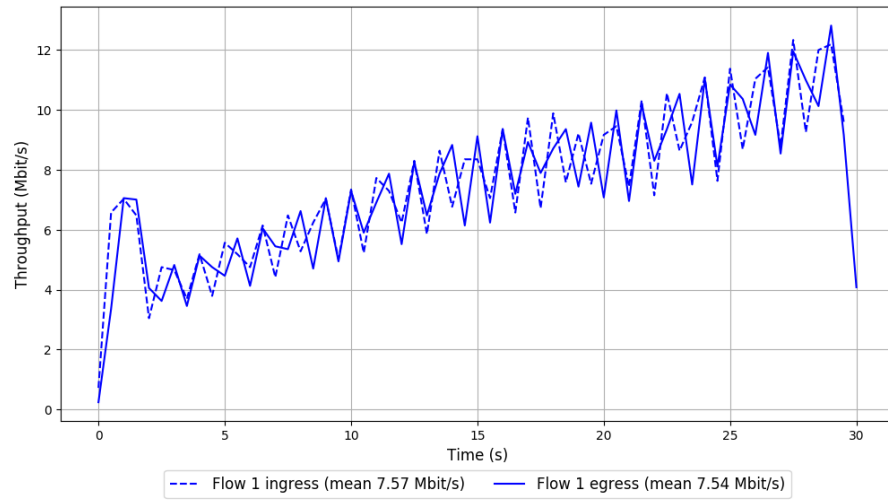


Run 4: Statistics of TCP Vegas

Start at: 2018-04-24 10:08:06
End at: 2018-04-24 10:08:37
Local clock offset: 7.089 ms
Remote clock offset: -7.973 ms

Below is generated by plot.py at 2018-04-24 12:39:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 169.990 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 169.990 ms
Loss rate: 0.37%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-24 10:29:36

End at: 2018-04-24 10:30:06

Local clock offset: 6.557 ms

Remote clock offset: 8.713 ms

Below is generated by plot.py at 2018-04-24 12:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 255.834 ms

Loss rate: 1.17%

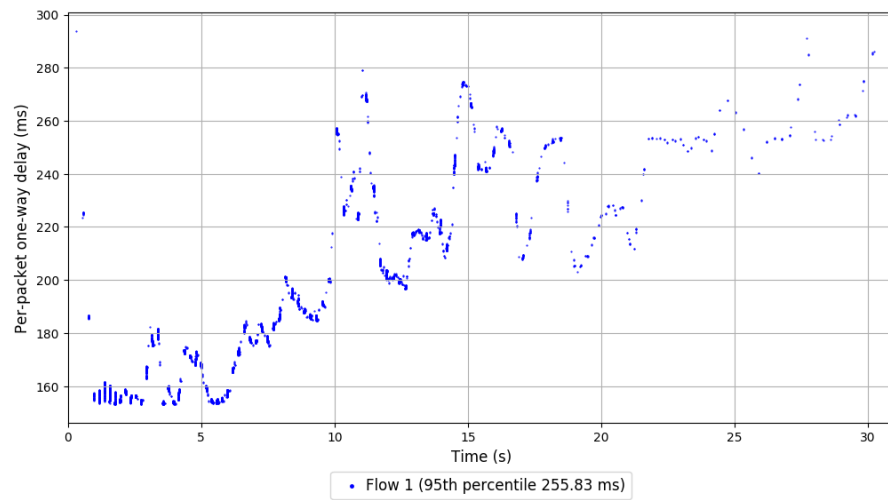
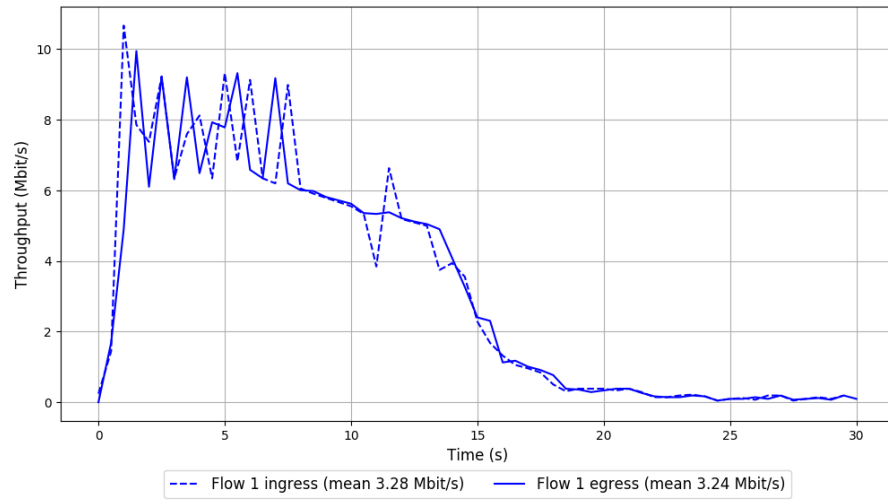
-- Flow 1:

Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 255.834 ms

Loss rate: 1.17%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-24 10:51:34

End at: 2018-04-24 10:52:04

Local clock offset: 1.108 ms

Remote clock offset: 9.653 ms

Below is generated by plot.py at 2018-04-24 12:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 255.396 ms

Loss rate: 1.70%

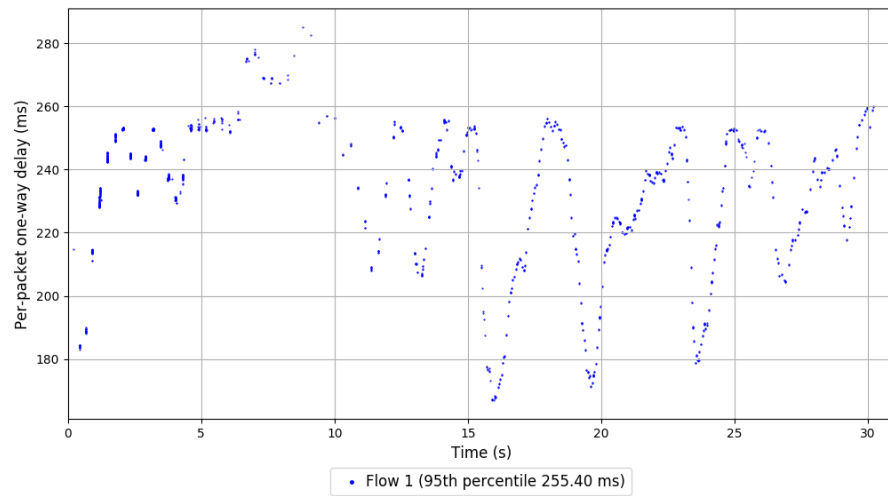
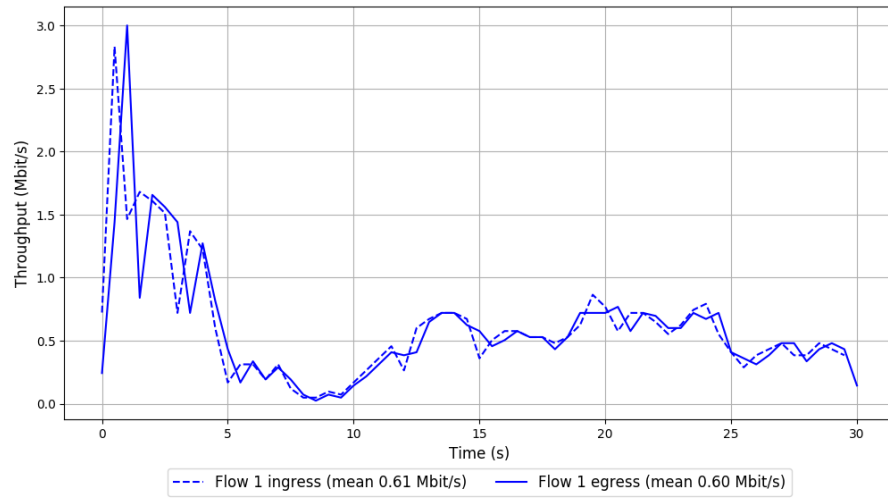
-- Flow 1:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 255.396 ms

Loss rate: 1.70%

Run 6: Report of TCP Vegas — Data Link

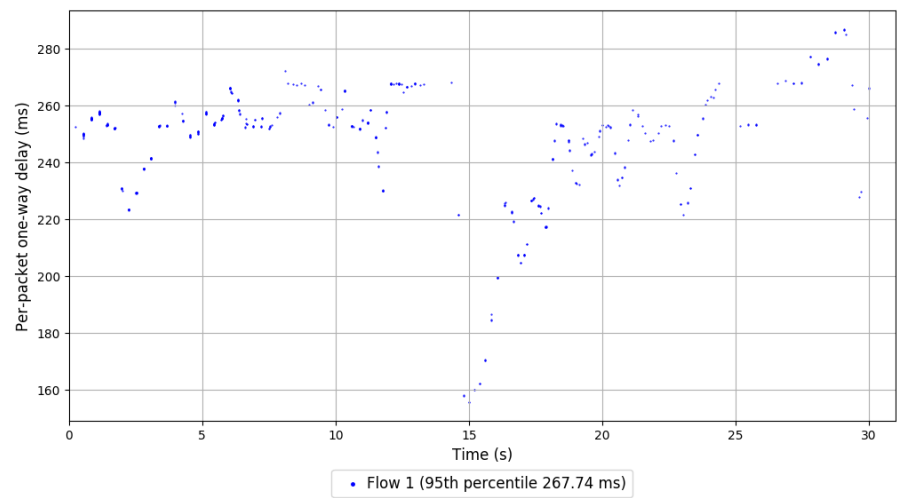
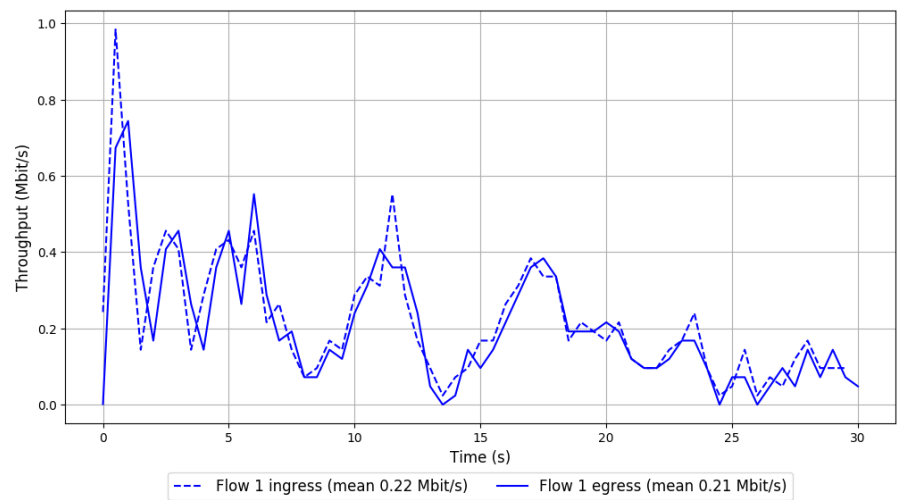


Run 7: Statistics of TCP Vegas

Start at: 2018-04-24 11:13:23
End at: 2018-04-24 11:13:53
Local clock offset: -5.982 ms
Remote clock offset: 15.225 ms

Below is generated by plot.py at 2018-04-24 12:39:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 267.741 ms
Loss rate: 6.28%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 267.741 ms
Loss rate: 6.28%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-24 11:35:12

End at: 2018-04-24 11:35:42

Local clock offset: -1.581 ms

Remote clock offset: 5.802 ms

Below is generated by plot.py at 2018-04-24 12:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 253.912 ms

Loss rate: 0.91%

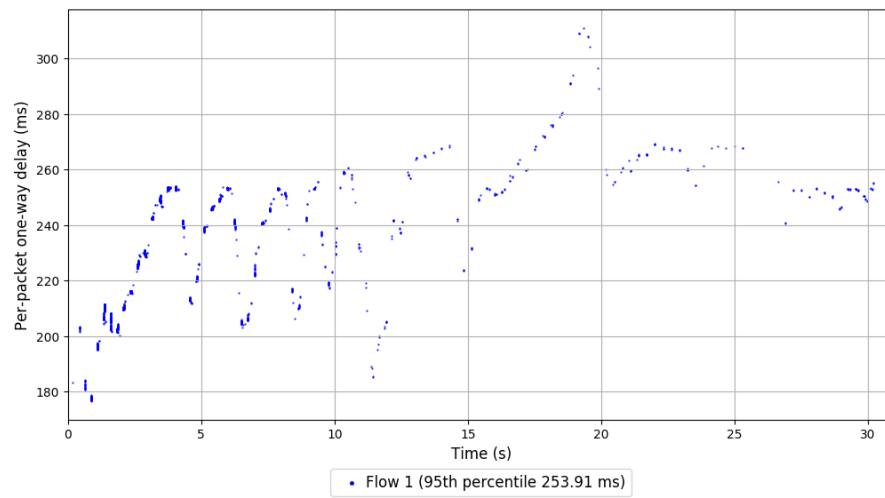
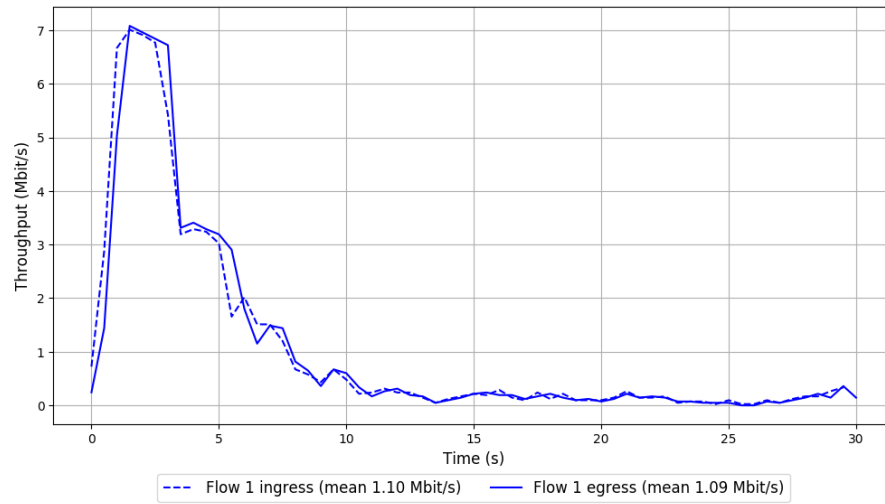
-- Flow 1:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 253.912 ms

Loss rate: 0.91%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-24 11:57:05

End at: 2018-04-24 11:57:36

Local clock offset: -0.73 ms

Remote clock offset: 2.259 ms

Below is generated by plot.py at 2018-04-24 12:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 257.246 ms

Loss rate: 3.26%

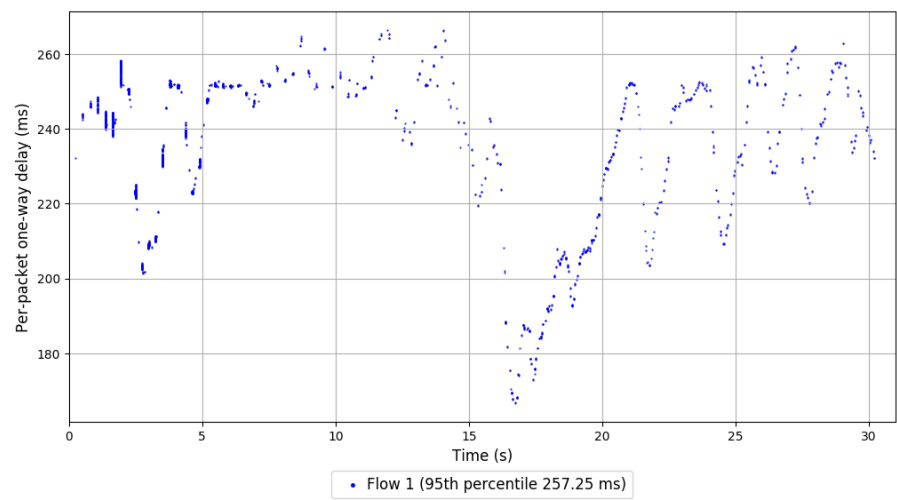
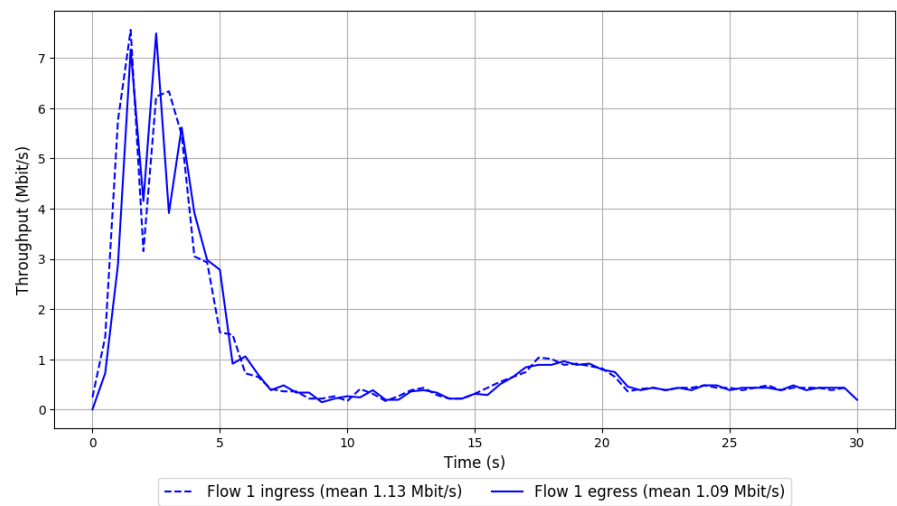
-- Flow 1:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 257.246 ms

Loss rate: 3.26%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-24 12:18:49

End at: 2018-04-24 12:19:19

Local clock offset: -0.349 ms

Remote clock offset: 0.989 ms

Below is generated by plot.py at 2018-04-24 12:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 239.932 ms

Loss rate: 0.84%

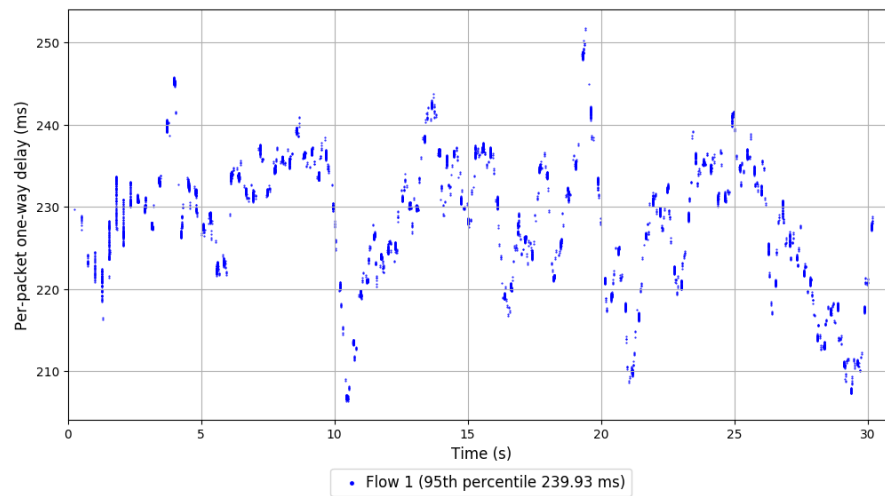
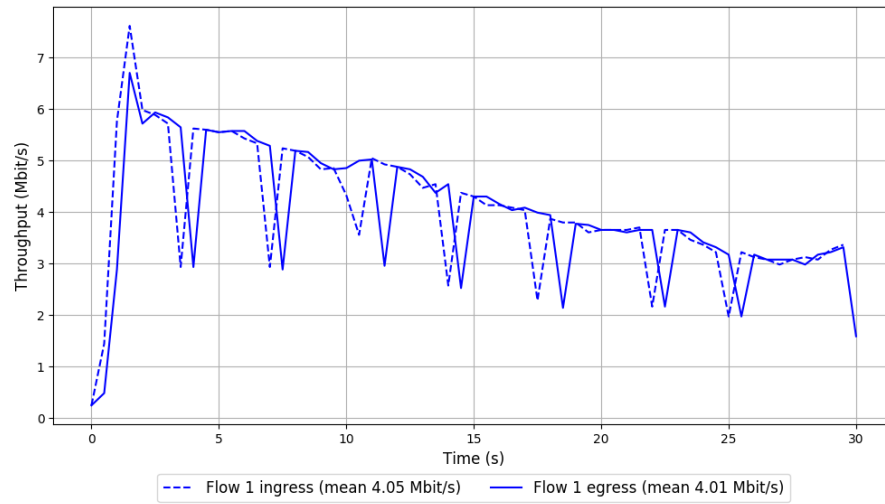
-- Flow 1:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 239.932 ms

Loss rate: 0.84%

Run 10: Report of TCP Vegas — Data Link

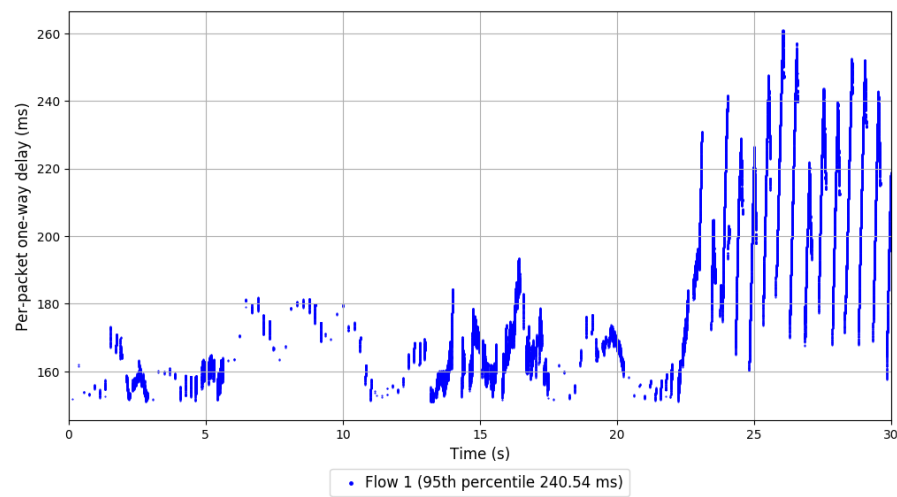
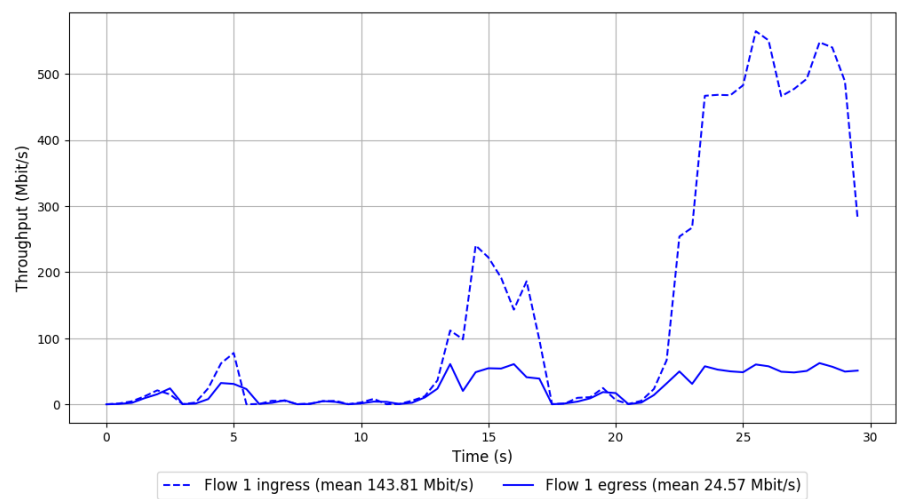


Run 1: Statistics of Verus

Start at: 2018-04-24 08:49:31
End at: 2018-04-24 08:50:01
Local clock offset: -4.329 ms
Remote clock offset: 26.221 ms

Below is generated by plot.py at 2018-04-24 12:40:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 240.539 ms
Loss rate: 82.87%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 240.539 ms
Loss rate: 82.87%

Run 1: Report of Verus — Data Link

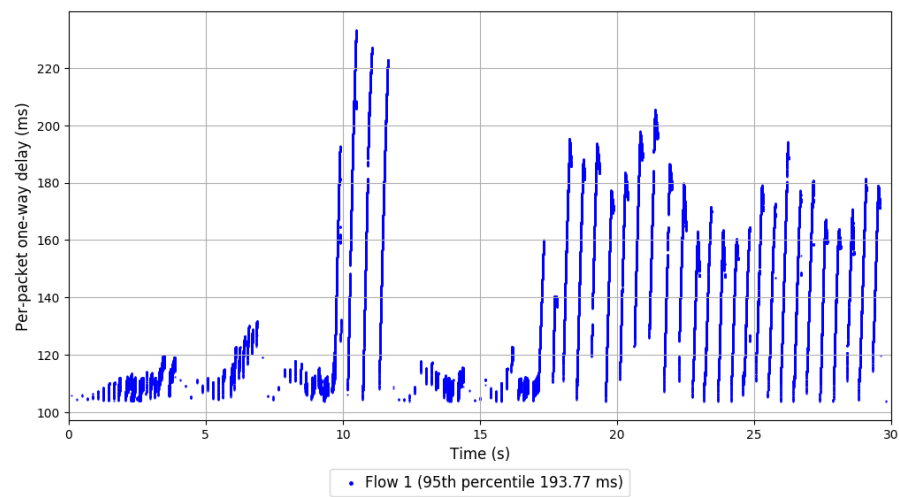
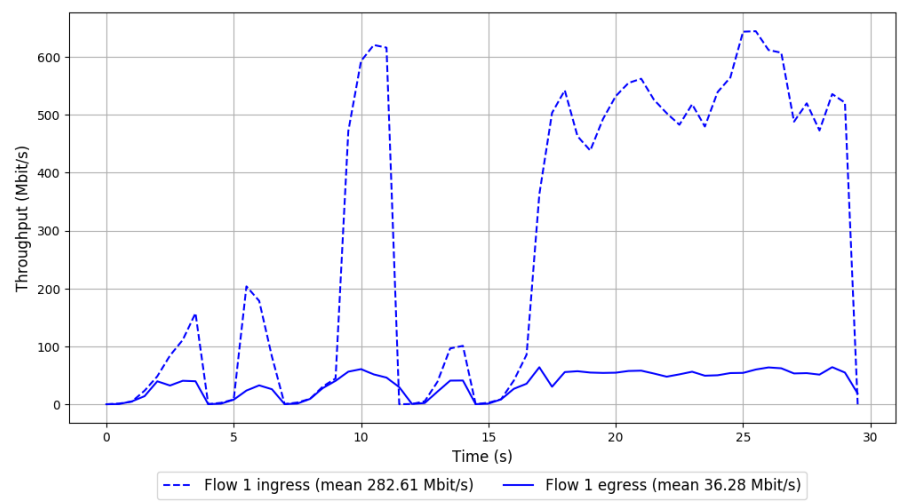


Run 2: Statistics of Verus

Start at: 2018-04-24 09:10:35
End at: 2018-04-24 09:11:05
Local clock offset: 0.491 ms
Remote clock offset: -50.934 ms

Below is generated by plot.py at 2018-04-24 12:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.28 Mbit/s
95th percentile per-packet one-way delay: 193.773 ms
Loss rate: 87.16%
-- Flow 1:
Average throughput: 36.28 Mbit/s
95th percentile per-packet one-way delay: 193.773 ms
Loss rate: 87.16%

Run 2: Report of Verus — Data Link

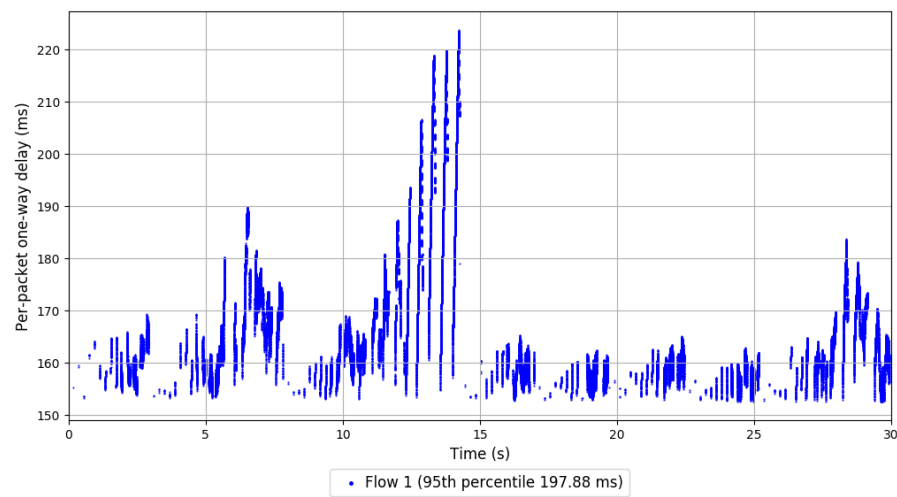
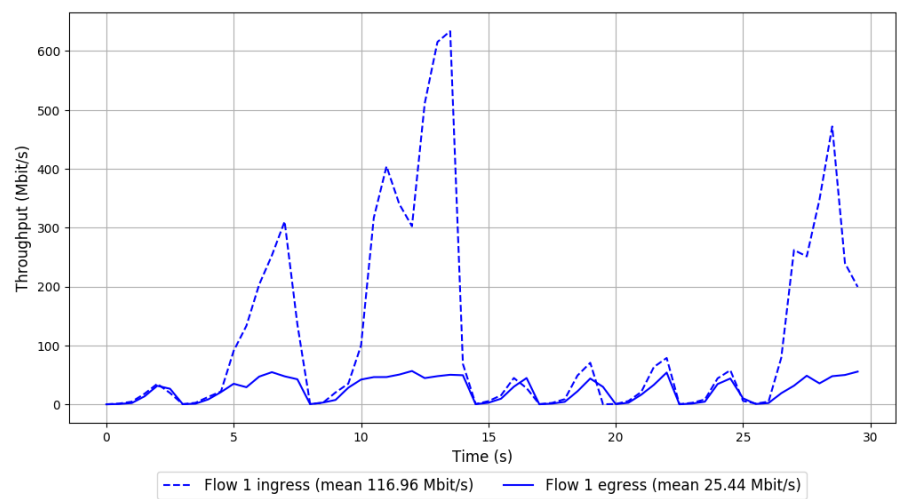


Run 3: Statistics of Verus

Start at: 2018-04-24 09:32:02
End at: 2018-04-24 09:32:32
Local clock offset: 4.407 ms
Remote clock offset: -2.174 ms

Below is generated by plot.py at 2018-04-24 12:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.44 Mbit/s
95th percentile per-packet one-way delay: 197.879 ms
Loss rate: 78.24%
-- Flow 1:
Average throughput: 25.44 Mbit/s
95th percentile per-packet one-way delay: 197.879 ms
Loss rate: 78.24%

Run 3: Report of Verus — Data Link

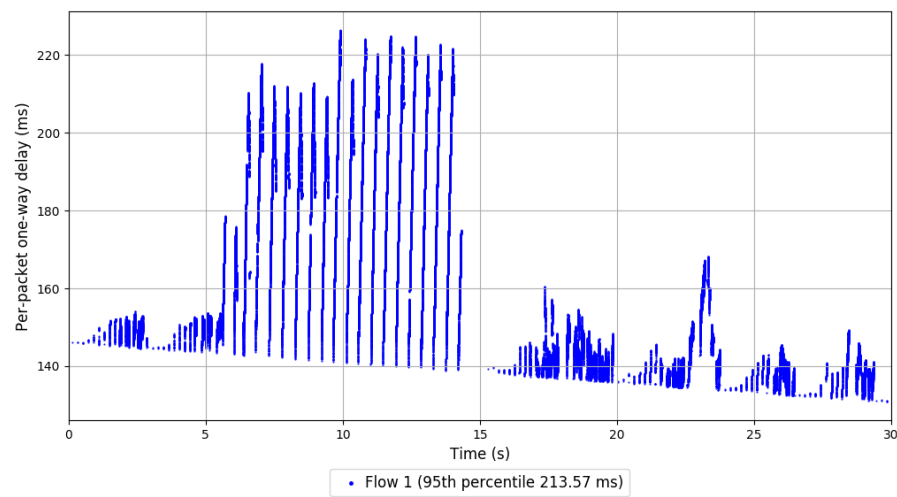
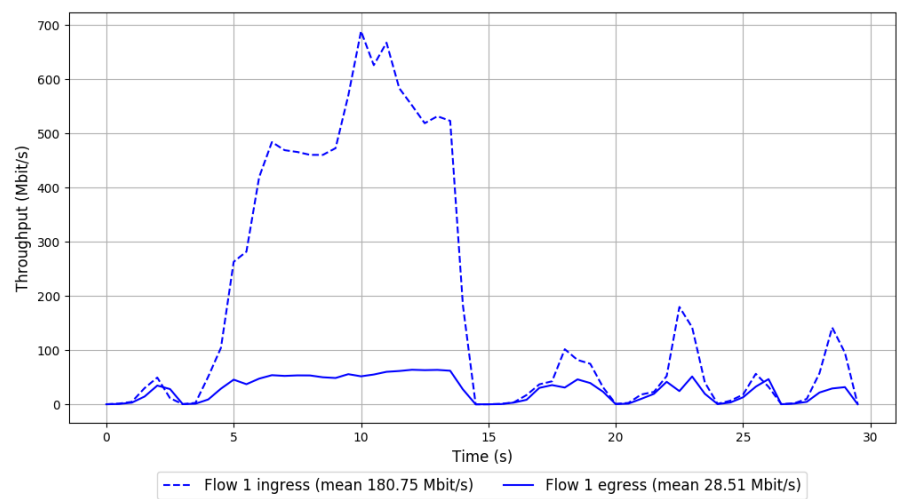


Run 4: Statistics of Verus

Start at: 2018-04-24 09:53:13
End at: 2018-04-24 09:53:43
Local clock offset: 6.294 ms
Remote clock offset: -19.978 ms

Below is generated by plot.py at 2018-04-24 12:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 213.569 ms
Loss rate: 84.23%
-- Flow 1:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 213.569 ms
Loss rate: 84.23%

Run 4: Report of Verus — Data Link

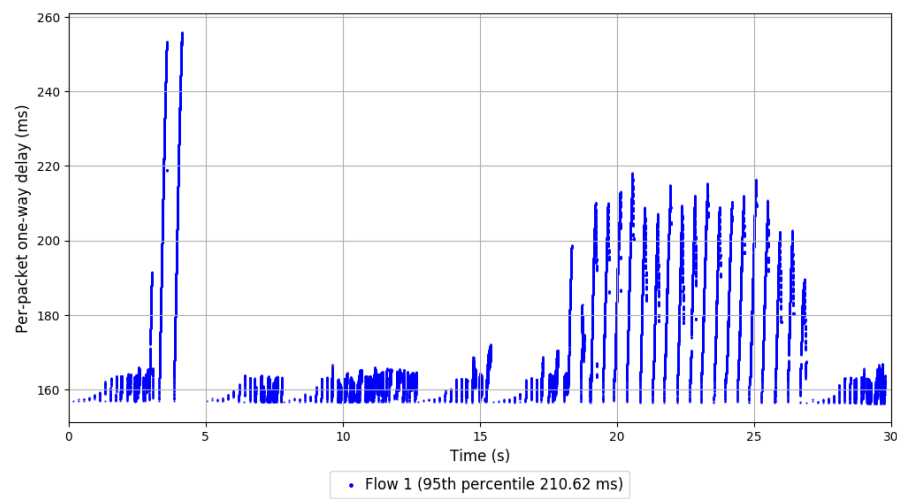
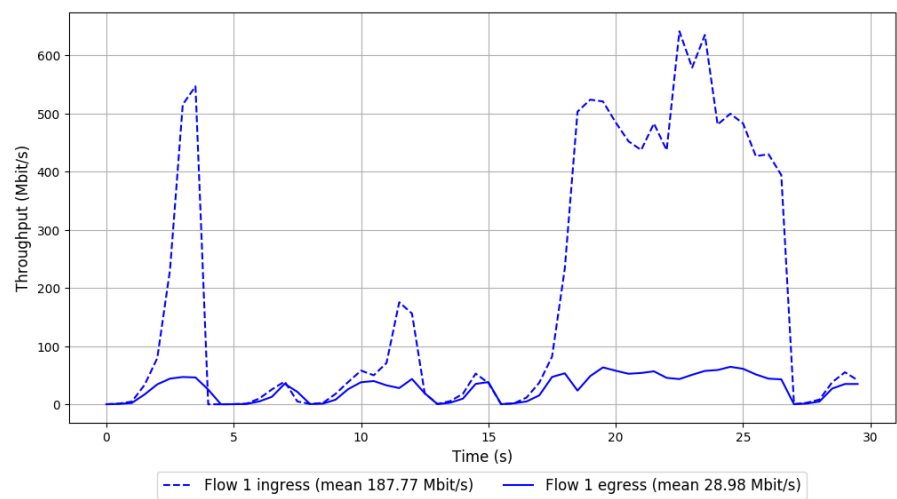


Run 5: Statistics of Verus

Start at: 2018-04-24 10:14:19
End at: 2018-04-24 10:14:49
Local clock offset: 6.969 ms
Remote clock offset: -12.425 ms

Below is generated by plot.py at 2018-04-24 12:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.98 Mbit/s
95th percentile per-packet one-way delay: 210.615 ms
Loss rate: 84.56%
-- Flow 1:
Average throughput: 28.98 Mbit/s
95th percentile per-packet one-way delay: 210.615 ms
Loss rate: 84.56%

Run 5: Report of Verus — Data Link

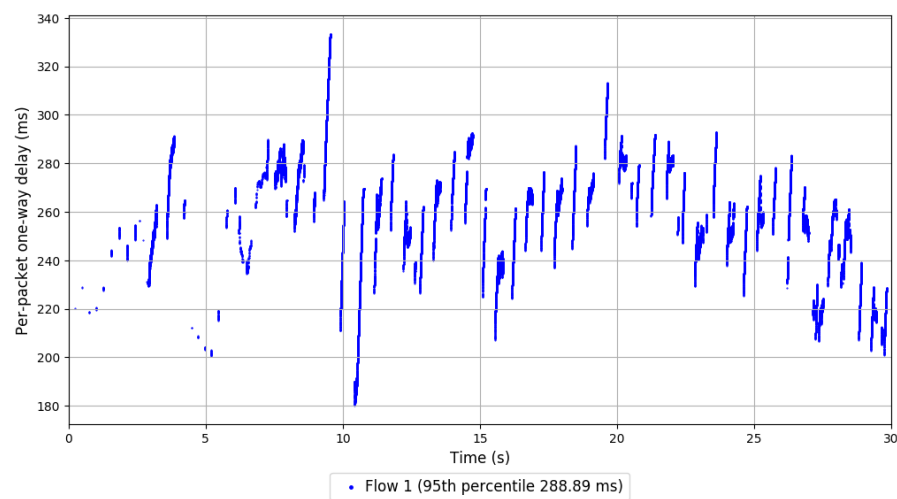
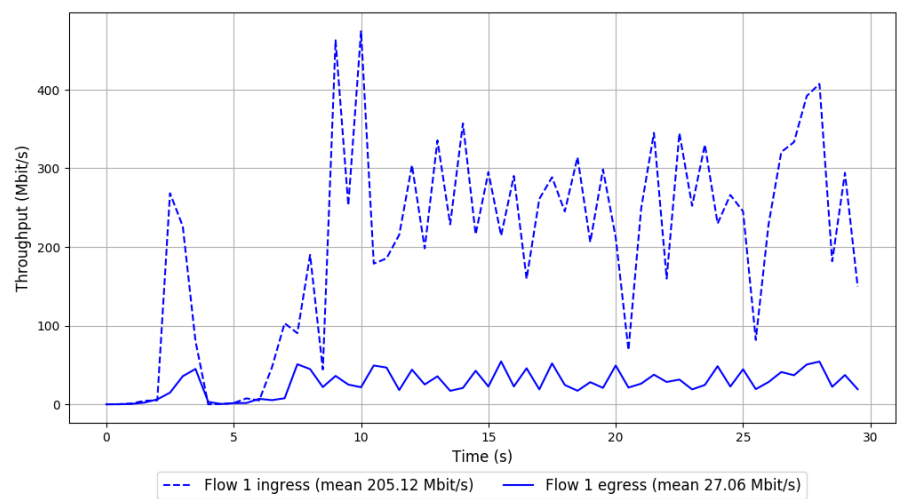


Run 6: Statistics of Verus

Start at: 2018-04-24 10:35:58
End at: 2018-04-24 10:36:28
Local clock offset: 6.614 ms
Remote clock offset: 14.357 ms

Below is generated by plot.py at 2018-04-24 12:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.06 Mbit/s
95th percentile per-packet one-way delay: 288.892 ms
Loss rate: 86.80%
-- Flow 1:
Average throughput: 27.06 Mbit/s
95th percentile per-packet one-way delay: 288.892 ms
Loss rate: 86.80%

Run 6: Report of Verus — Data Link

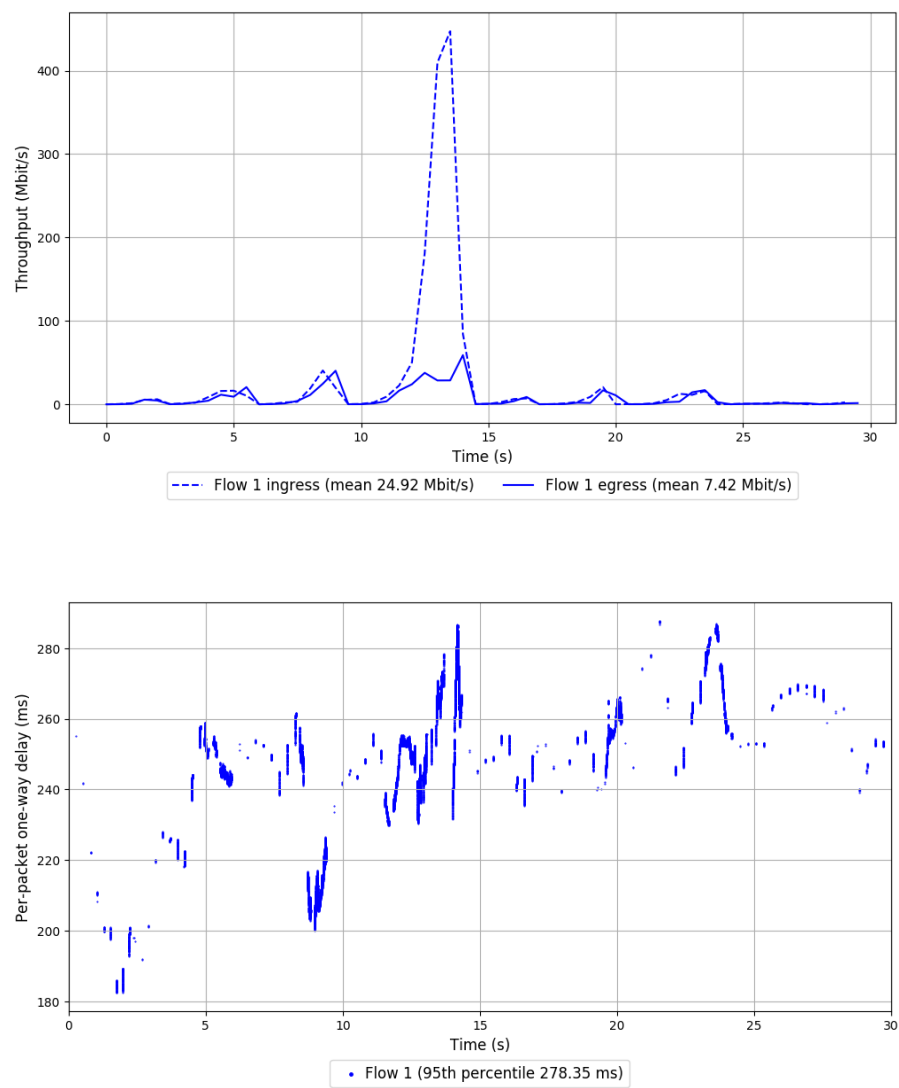


Run 7: Statistics of Verus

Start at: 2018-04-24 10:58:00
End at: 2018-04-24 10:58:30
Local clock offset: -1.757 ms
Remote clock offset: 10.961 ms

Below is generated by plot.py at 2018-04-24 12:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 278.350 ms
Loss rate: 70.23%
-- Flow 1:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 278.350 ms
Loss rate: 70.23%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-24 11:19:52

End at: 2018-04-24 11:20:22

Local clock offset: -6.677 ms

Remote clock offset: 8.371 ms

Below is generated by plot.py at 2018-04-24 12:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.95 Mbit/s

95th percentile per-packet one-way delay: 268.611 ms

Loss rate: 10.57%

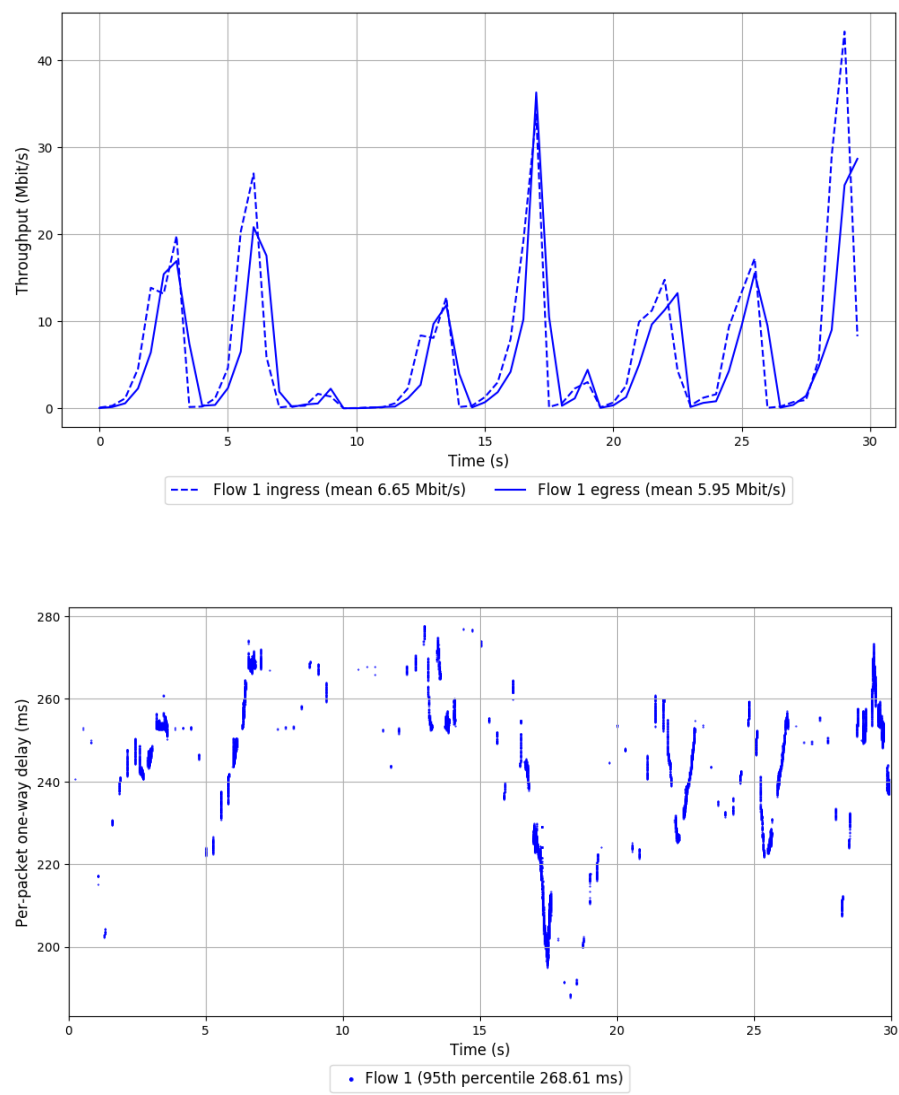
-- Flow 1:

Average throughput: 5.95 Mbit/s

95th percentile per-packet one-way delay: 268.611 ms

Loss rate: 10.57%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-24 11:41:37

End at: 2018-04-24 11:42:07

Local clock offset: -1.079 ms

Remote clock offset: 6.672 ms

Below is generated by plot.py at 2018-04-24 12:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 259.795 ms

Loss rate: 16.59%

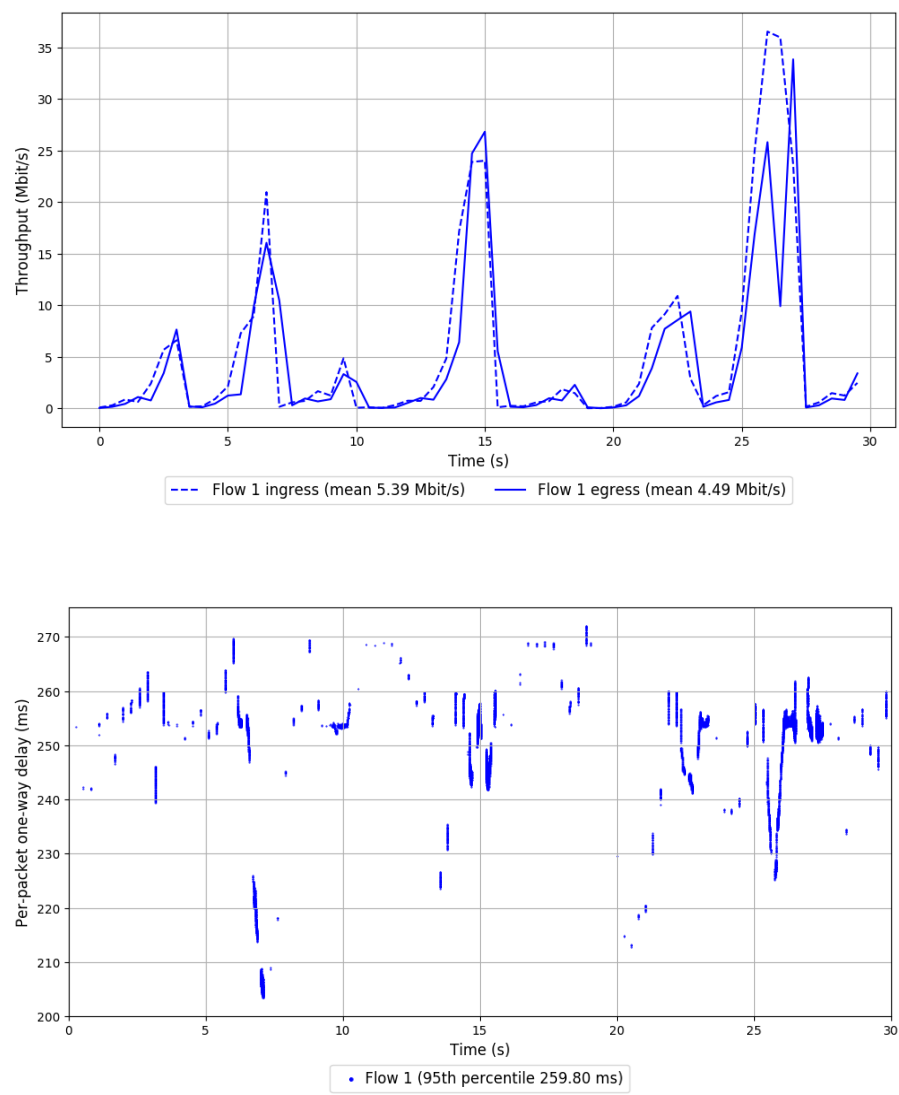
-- Flow 1:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 259.795 ms

Loss rate: 16.59%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-24 12:03:26

End at: 2018-04-24 12:03:56

Local clock offset: -0.362 ms

Remote clock offset: 1.213 ms

Below is generated by plot.py at 2018-04-24 12:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.93 Mbit/s

95th percentile per-packet one-way delay: 342.242 ms

Loss rate: 85.76%

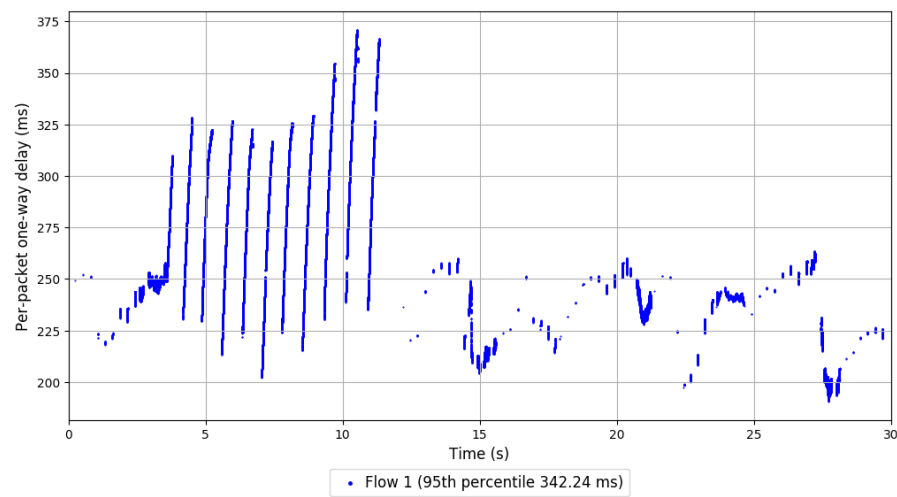
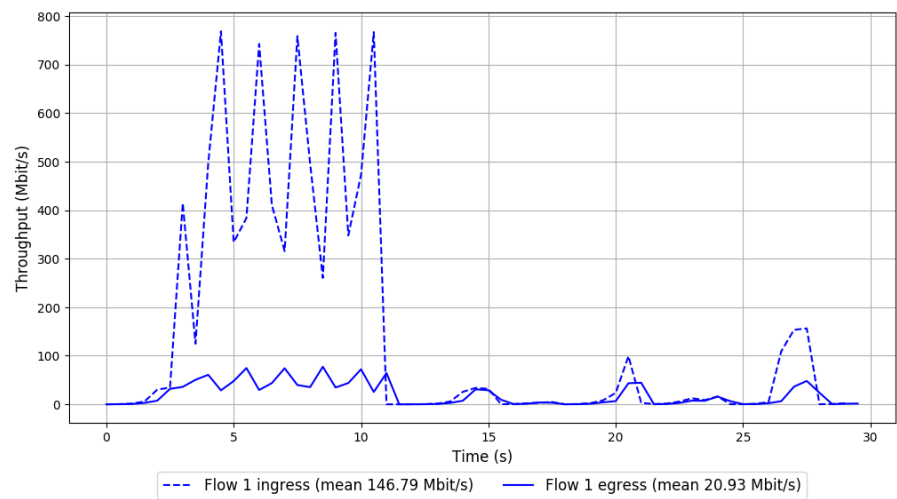
-- Flow 1:

Average throughput: 20.93 Mbit/s

95th percentile per-packet one-way delay: 342.242 ms

Loss rate: 85.76%

Run 10: Report of Verus — Data Link

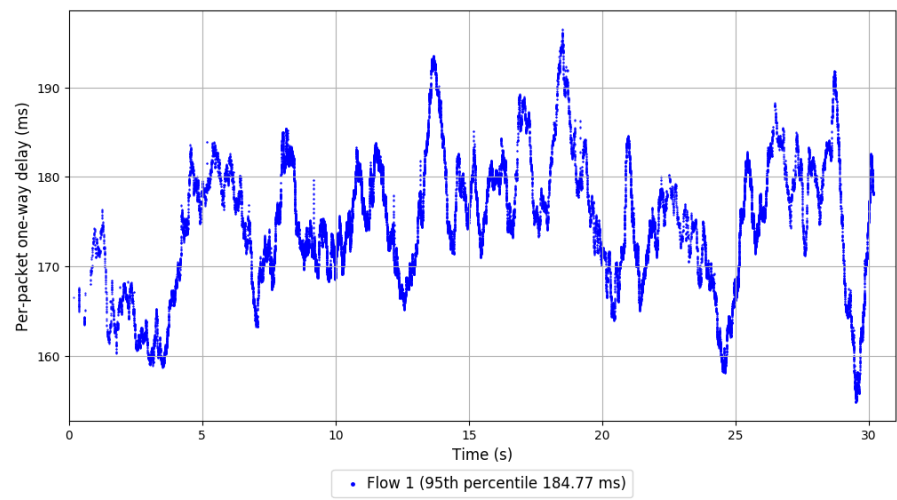
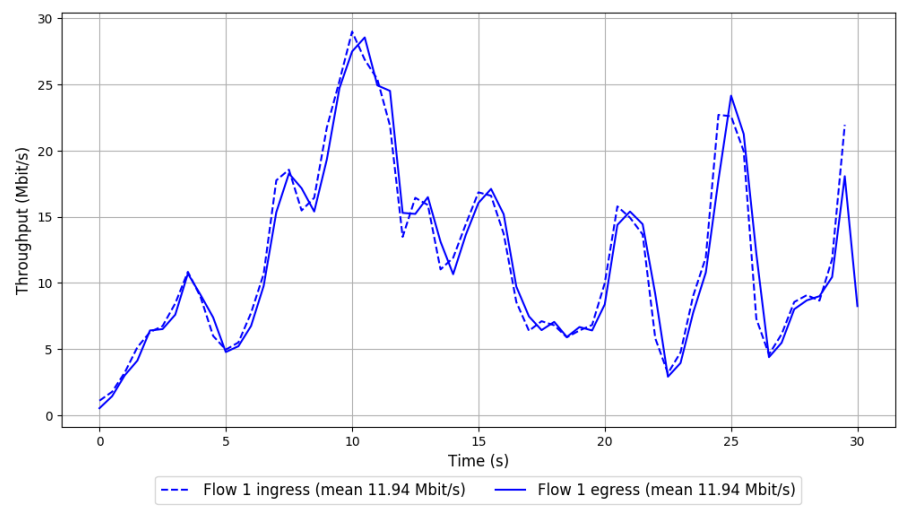


Run 1: Statistics of Copa

Start at: 2018-04-24 08:55:46
End at: 2018-04-24 08:56:16
Local clock offset: -4.553 ms
Remote clock offset: -30.789 ms

Below is generated by plot.py at 2018-04-24 12:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.94 Mbit/s
95th percentile per-packet one-way delay: 184.771 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.94 Mbit/s
95th percentile per-packet one-way delay: 184.771 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-24 09:16:55

End at: 2018-04-24 09:17:25

Local clock offset: 2.475 ms

Remote clock offset: 6.484 ms

Below is generated by plot.py at 2018-04-24 12:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.21 Mbit/s

95th percentile per-packet one-way delay: 170.238 ms

Loss rate: 0.01%

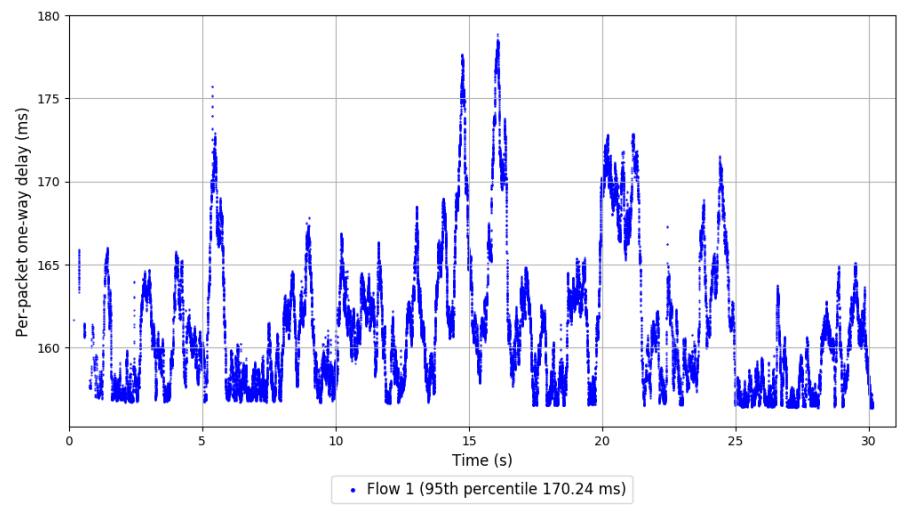
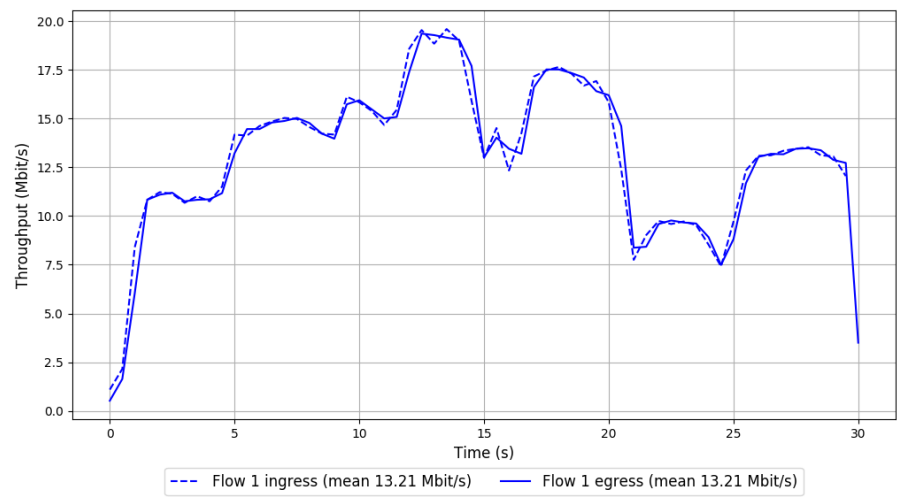
-- Flow 1:

Average throughput: 13.21 Mbit/s

95th percentile per-packet one-way delay: 170.238 ms

Loss rate: 0.01%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-24 09:38:17

End at: 2018-04-24 09:38:47

Local clock offset: 5.368 ms

Remote clock offset: 4.124 ms

Below is generated by plot.py at 2018-04-24 12:41:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.86 Mbit/s

95th percentile per-packet one-way delay: 155.006 ms

Loss rate: 0.00%

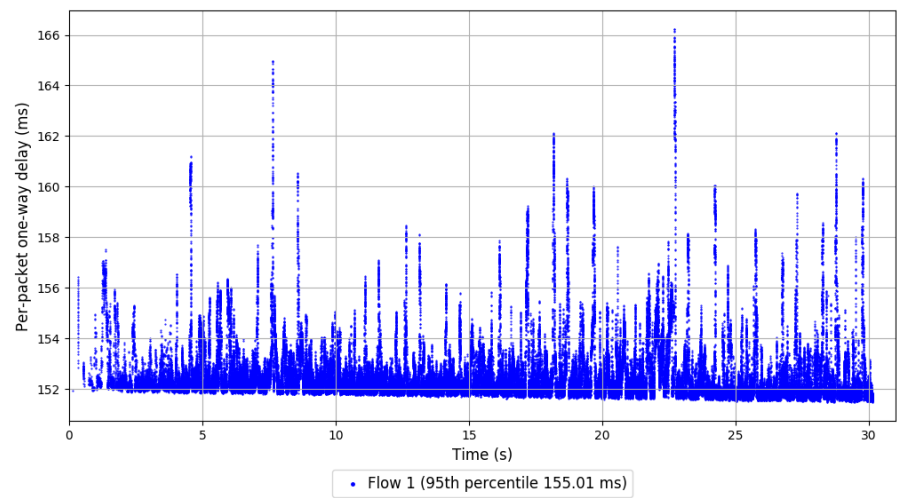
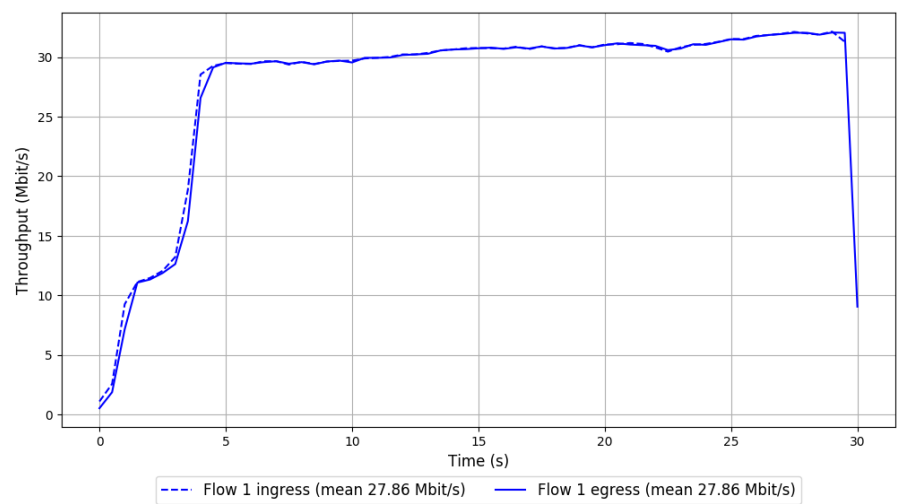
-- Flow 1:

Average throughput: 27.86 Mbit/s

95th percentile per-packet one-way delay: 155.006 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-24 09:59:24

End at: 2018-04-24 09:59:54

Local clock offset: 6.678 ms

Remote clock offset: -9.608 ms

Below is generated by plot.py at 2018-04-24 12:41:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.11 Mbit/s

95th percentile per-packet one-way delay: 156.743 ms

Loss rate: 0.11%

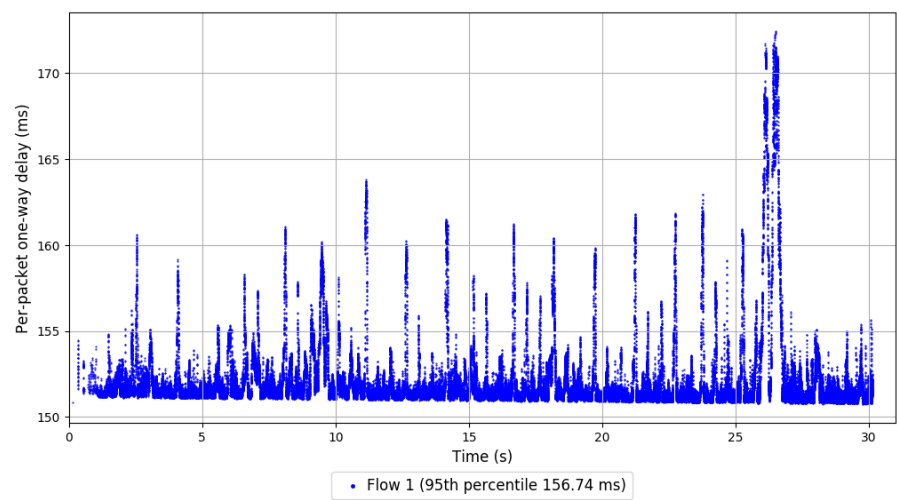
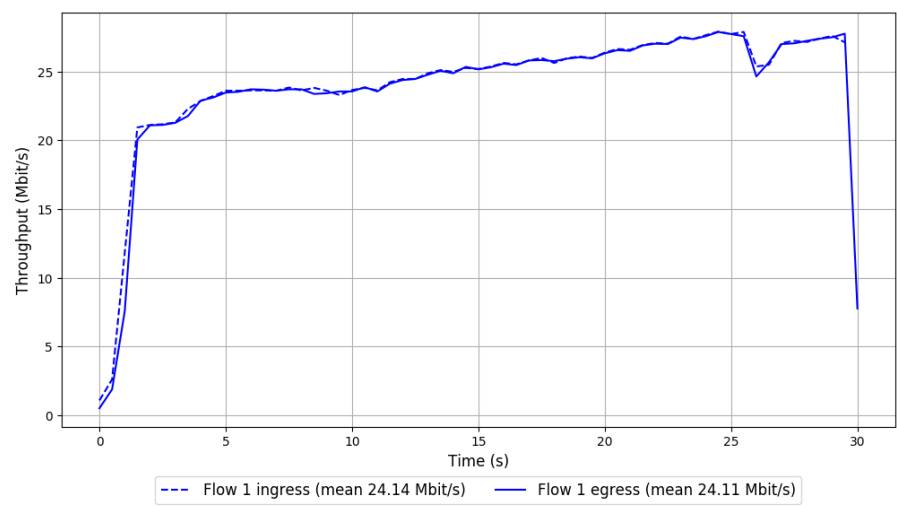
-- Flow 1:

Average throughput: 24.11 Mbit/s

95th percentile per-packet one-way delay: 156.743 ms

Loss rate: 0.11%

Run 4: Report of Copa — Data Link

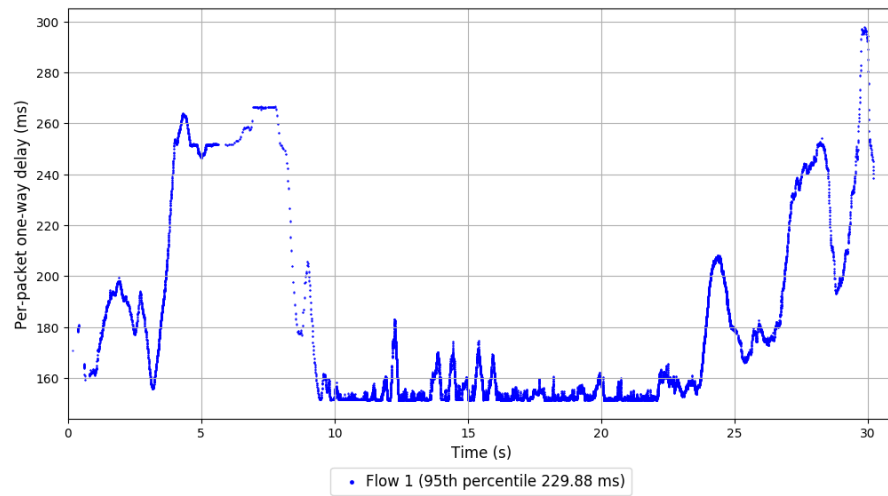
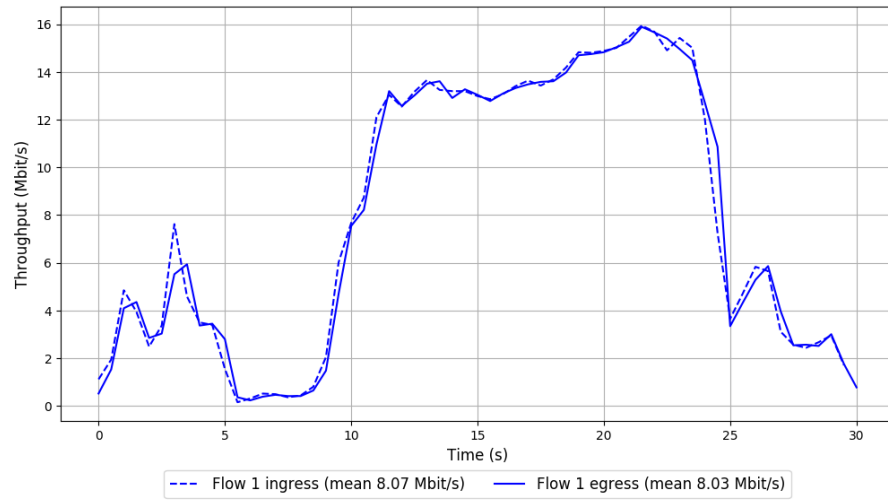


Run 5: Statistics of Copa

Start at: 2018-04-24 10:20:35
End at: 2018-04-24 10:21:05
Local clock offset: 6.575 ms
Remote clock offset: -6.187 ms

Below is generated by plot.py at 2018-04-24 12:41:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.03 Mbit/s
95th percentile per-packet one-way delay: 229.880 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 8.03 Mbit/s
95th percentile per-packet one-way delay: 229.880 ms
Loss rate: 0.23%

Run 5: Report of Copa — Data Link

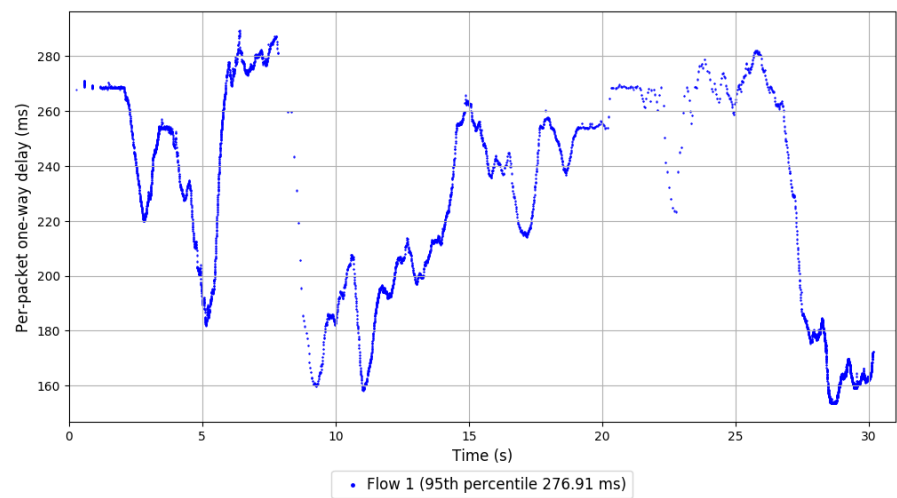
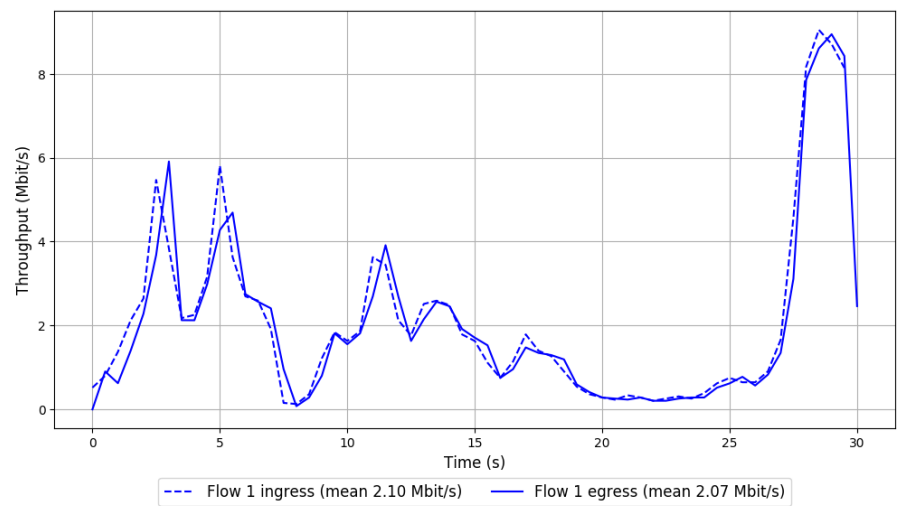


Run 6: Statistics of Copa

Start at: 2018-04-24 10:42:30
End at: 2018-04-24 10:43:00
Local clock offset: 6.787 ms
Remote clock offset: 12.115 ms

Below is generated by plot.py at 2018-04-24 12:41:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 276.907 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 276.907 ms
Loss rate: 1.73%

Run 6: Report of Copa — Data Link

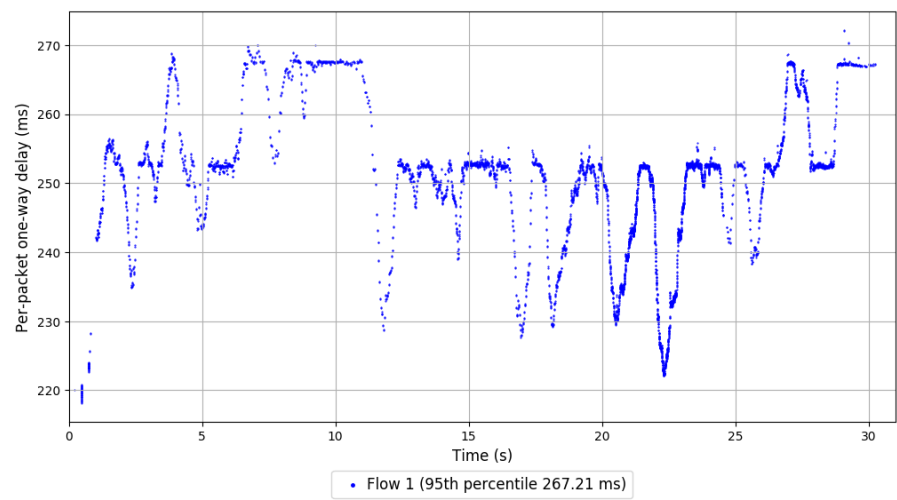
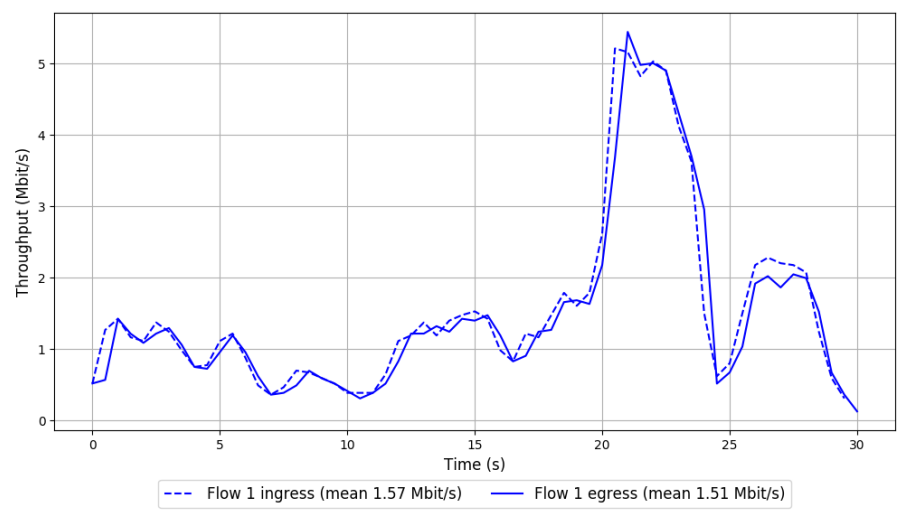


Run 7: Statistics of Copa

Start at: 2018-04-24 11:04:29
End at: 2018-04-24 11:04:59
Local clock offset: -4.111 ms
Remote clock offset: 13.121 ms

Below is generated by plot.py at 2018-04-24 12:41:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 267.210 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 267.210 ms
Loss rate: 3.47%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-24 11:26:18

End at: 2018-04-24 11:26:48

Local clock offset: -3.301 ms

Remote clock offset: 5.956 ms

Below is generated by plot.py at 2018-04-24 12:41:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 292.110 ms

Loss rate: 1.03%

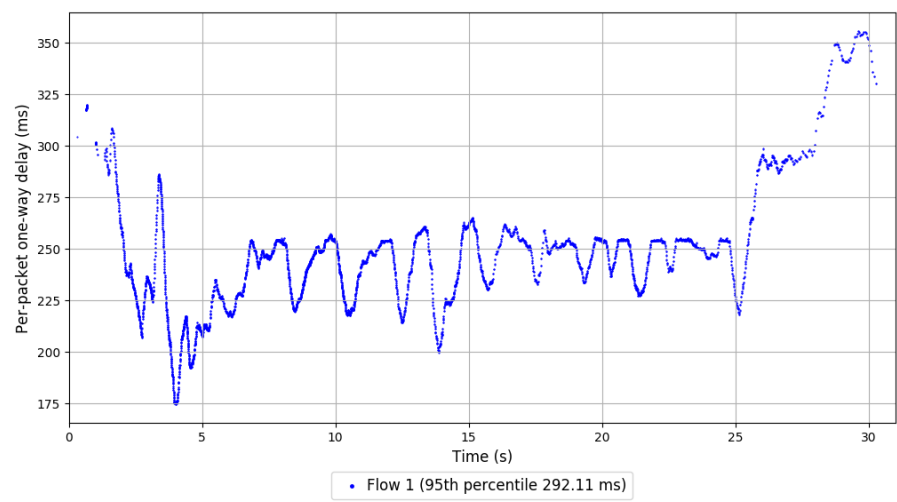
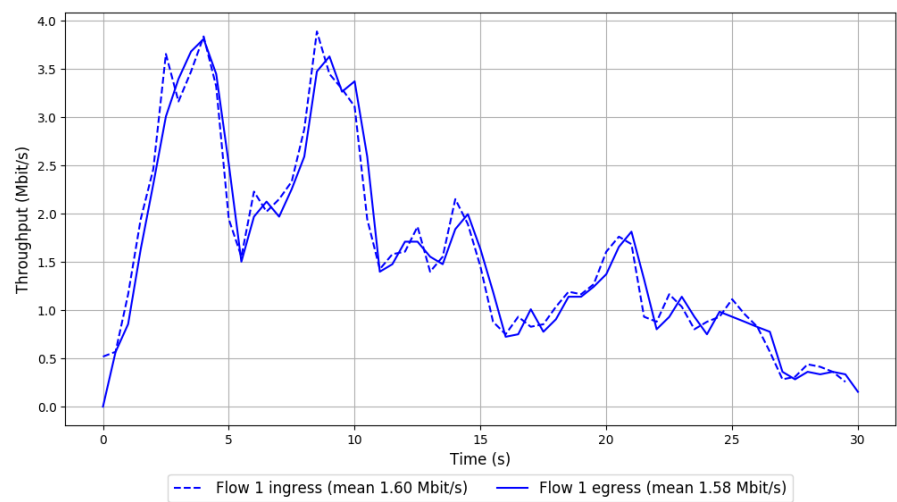
-- Flow 1:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 292.110 ms

Loss rate: 1.03%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-24 11:48:04

End at: 2018-04-24 11:48:34

Local clock offset: -1.139 ms

Remote clock offset: 6.48 ms

Below is generated by plot.py at 2018-04-24 12:41:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 259.253 ms

Loss rate: 2.30%

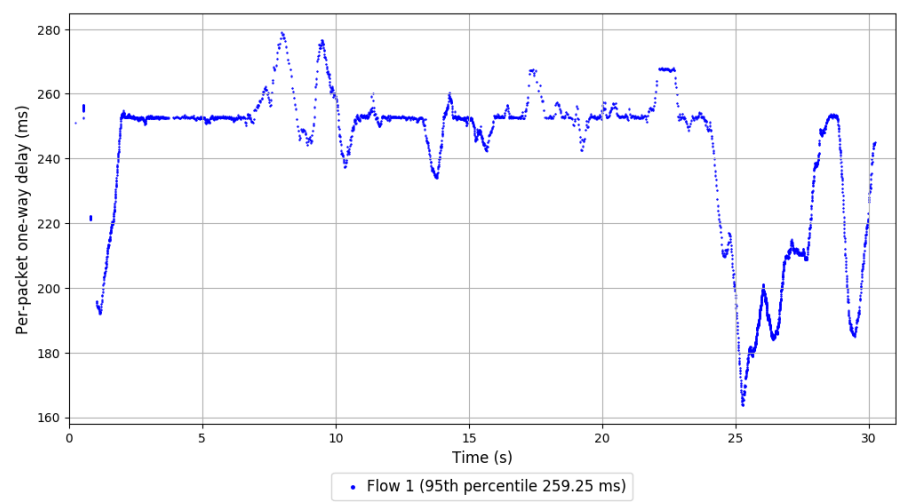
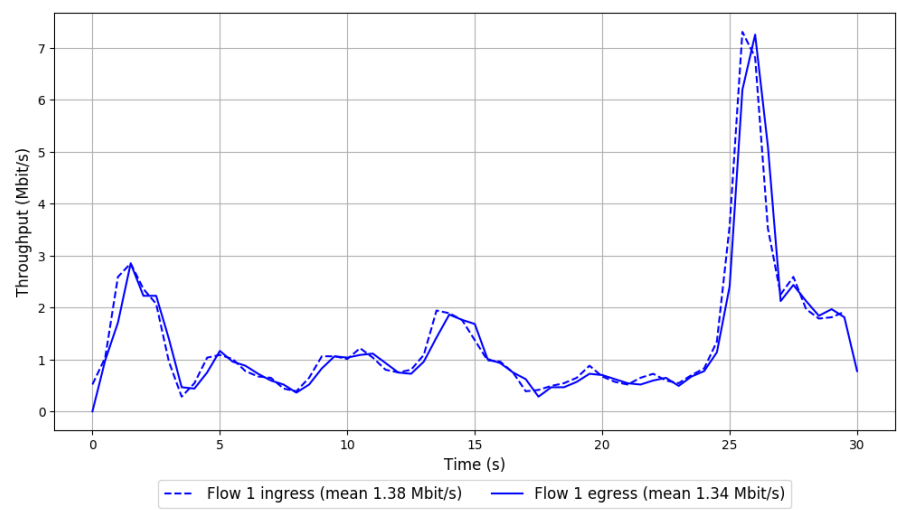
-- Flow 1:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 259.253 ms

Loss rate: 2.30%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-24 12:09:51

End at: 2018-04-24 12:10:21

Local clock offset: -0.239 ms

Remote clock offset: 0.853 ms

Below is generated by plot.py at 2018-04-24 12:41:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 248.956 ms

Loss rate: 0.02%

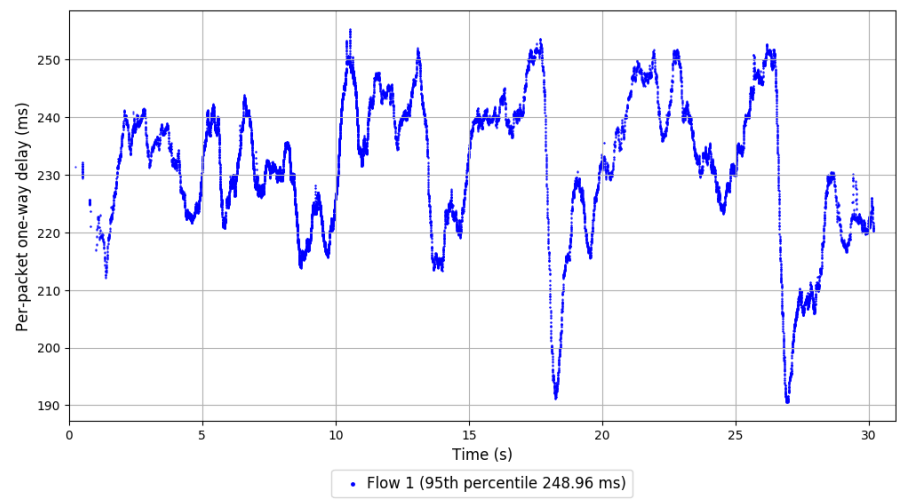
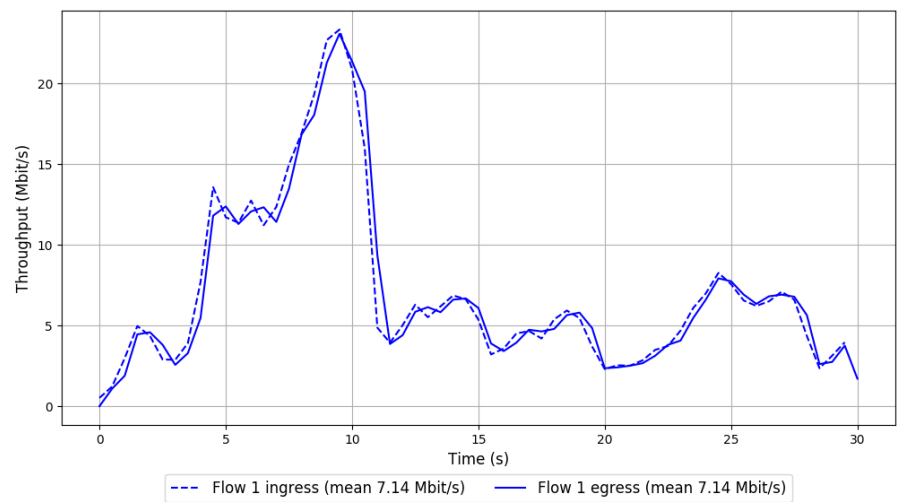
-- Flow 1:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 248.956 ms

Loss rate: 0.02%

Run 10: Report of Copa — Data Link

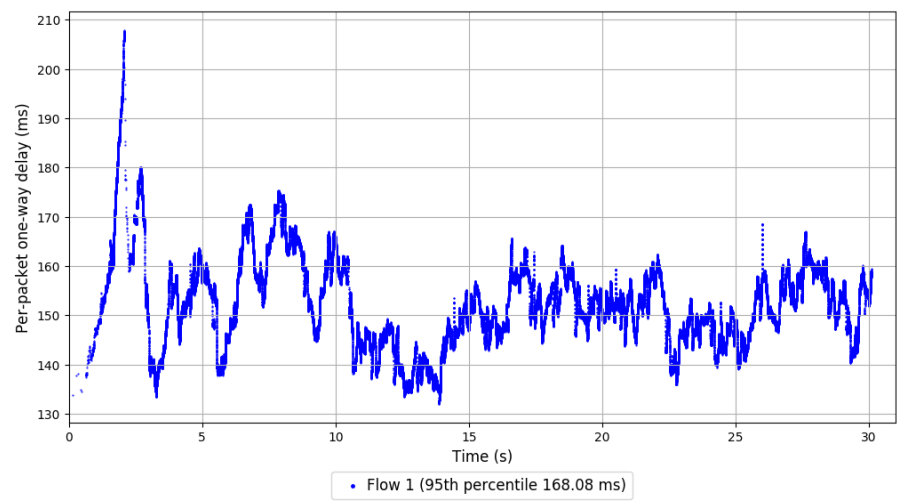
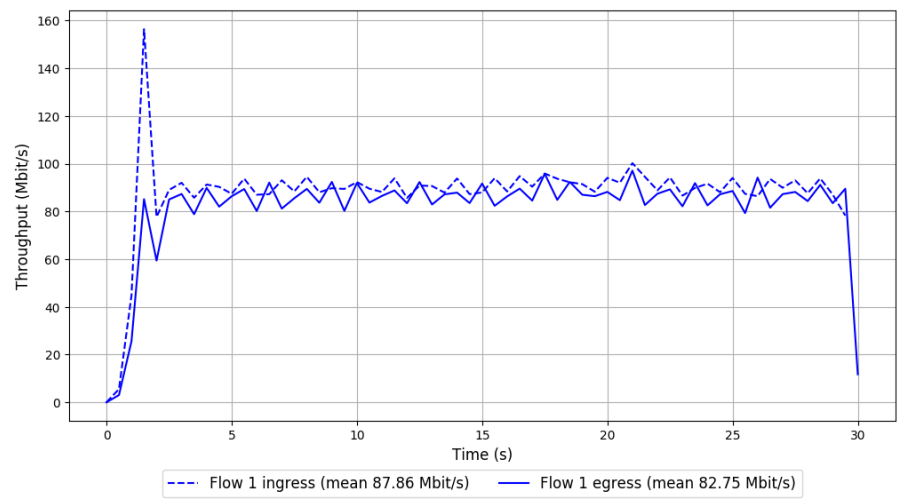


Run 1: Statistics of FillP

Start at: 2018-04-24 08:54:29
End at: 2018-04-24 08:54:59
Local clock offset: -4.469 ms
Remote clock offset: -51.074 ms

Below is generated by plot.py at 2018-04-24 12:42:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.75 Mbit/s
95th percentile per-packet one-way delay: 168.083 ms
Loss rate: 5.73%
-- Flow 1:
Average throughput: 82.75 Mbit/s
95th percentile per-packet one-way delay: 168.083 ms
Loss rate: 5.73%

Run 1: Report of FillP — Data Link

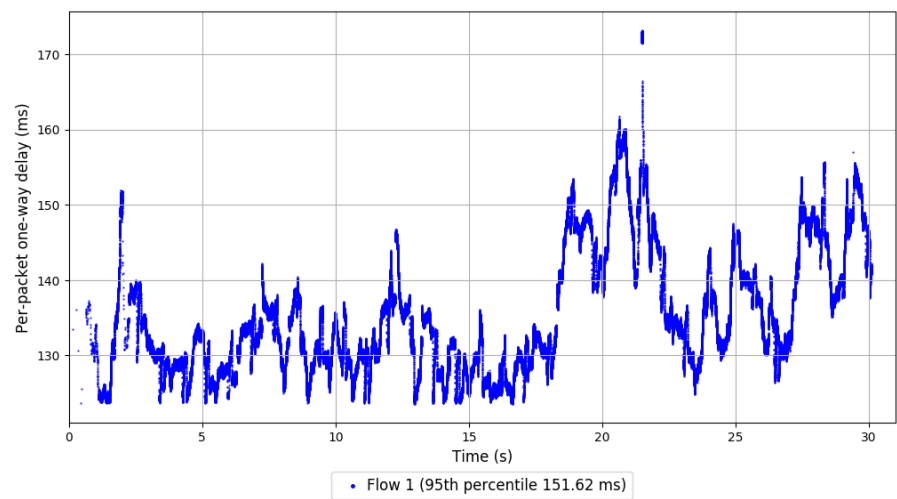
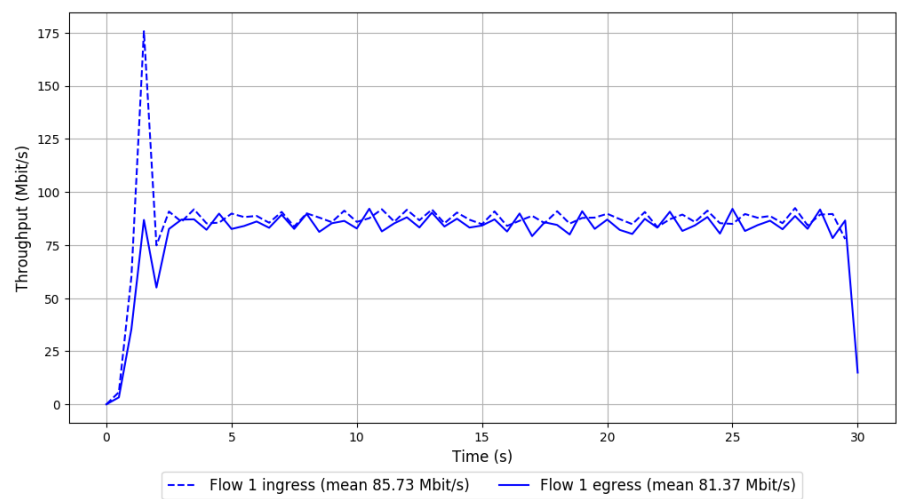


Run 2: Statistics of FillP

Start at: 2018-04-24 09:15:39
End at: 2018-04-24 09:16:09
Local clock offset: 1.956 ms
Remote clock offset: -23.251 ms

Below is generated by plot.py at 2018-04-24 12:42:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.37 Mbit/s
95th percentile per-packet one-way delay: 151.616 ms
Loss rate: 5.06%
-- Flow 1:
Average throughput: 81.37 Mbit/s
95th percentile per-packet one-way delay: 151.616 ms
Loss rate: 5.06%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-24 09:36:57

End at: 2018-04-24 09:37:27

Local clock offset: 5.046 ms

Remote clock offset: 2.645 ms

Below is generated by plot.py at 2018-04-24 12:42:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.07 Mbit/s

95th percentile per-packet one-way delay: 165.192 ms

Loss rate: 5.94%

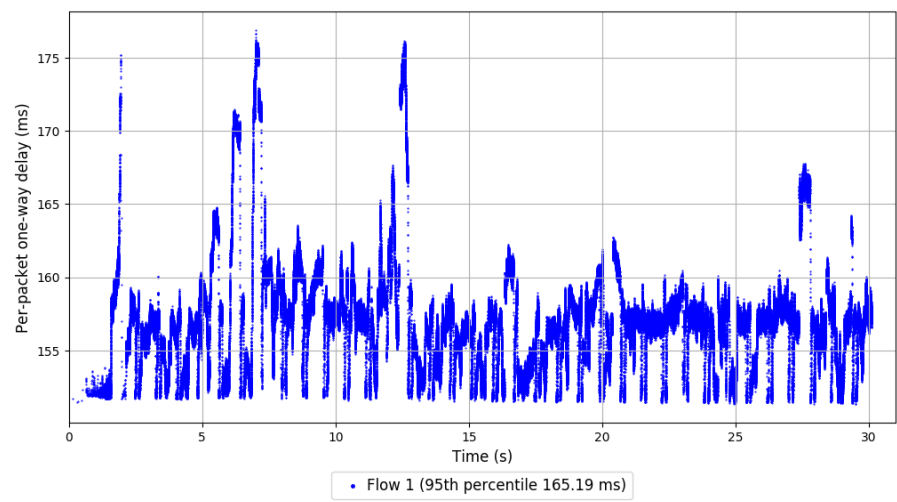
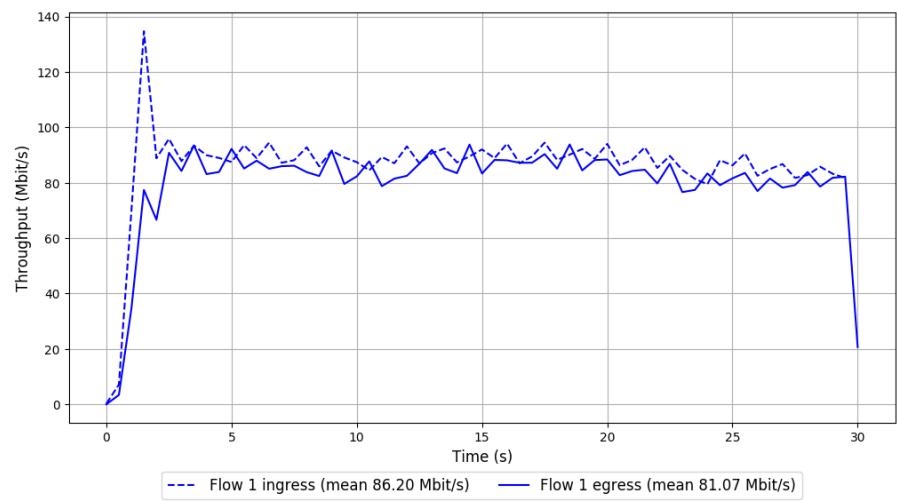
-- Flow 1:

Average throughput: 81.07 Mbit/s

95th percentile per-packet one-way delay: 165.192 ms

Loss rate: 5.94%

Run 3: Report of FillP — Data Link

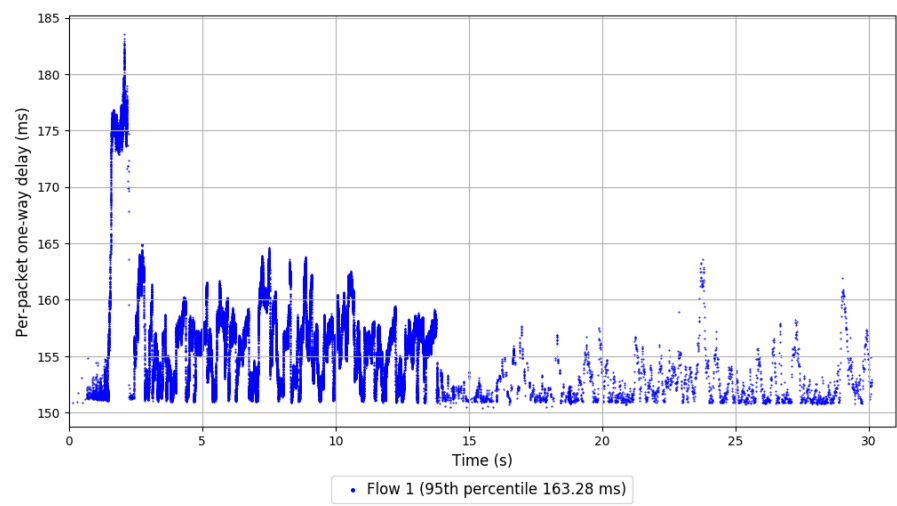
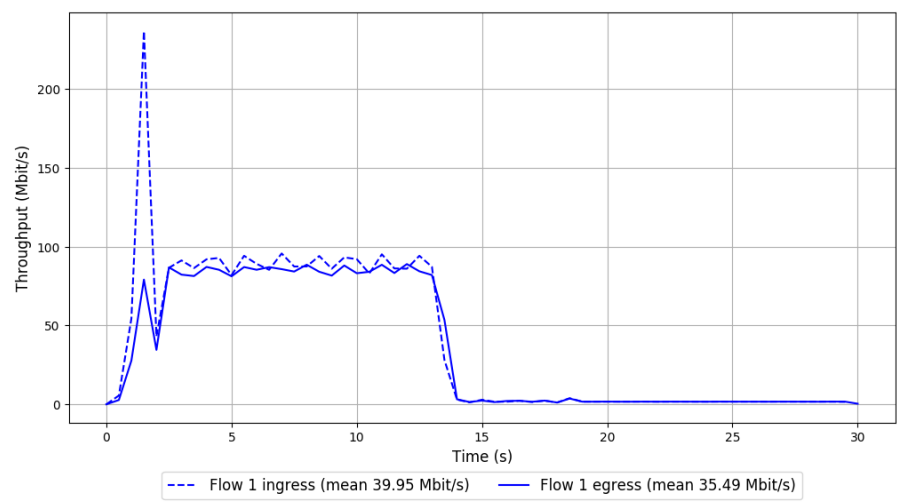


Run 4: Statistics of FillP

Start at: 2018-04-24 09:58:10
End at: 2018-04-24 09:58:40
Local clock offset: 6.77 ms
Remote clock offset: -10.855 ms

Below is generated by plot.py at 2018-04-24 12:42:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.49 Mbit/s
95th percentile per-packet one-way delay: 163.276 ms
Loss rate: 11.15%
-- Flow 1:
Average throughput: 35.49 Mbit/s
95th percentile per-packet one-way delay: 163.276 ms
Loss rate: 11.15%

Run 4: Report of FillP — Data Link

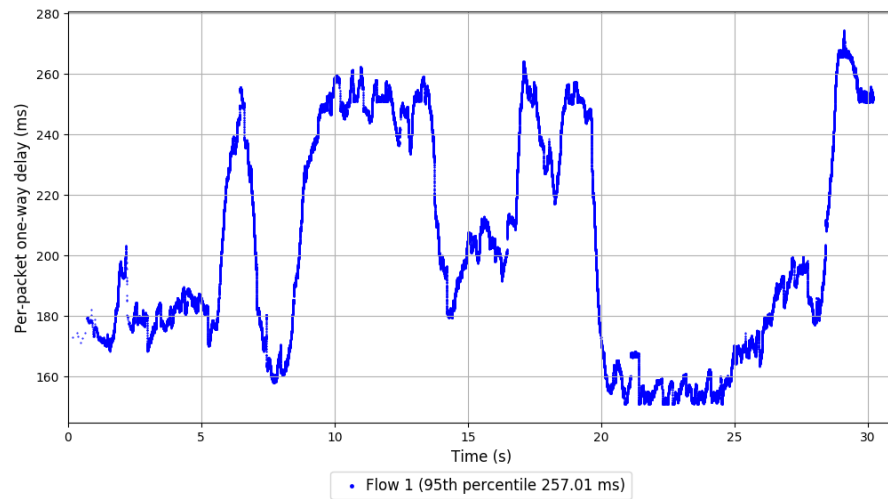
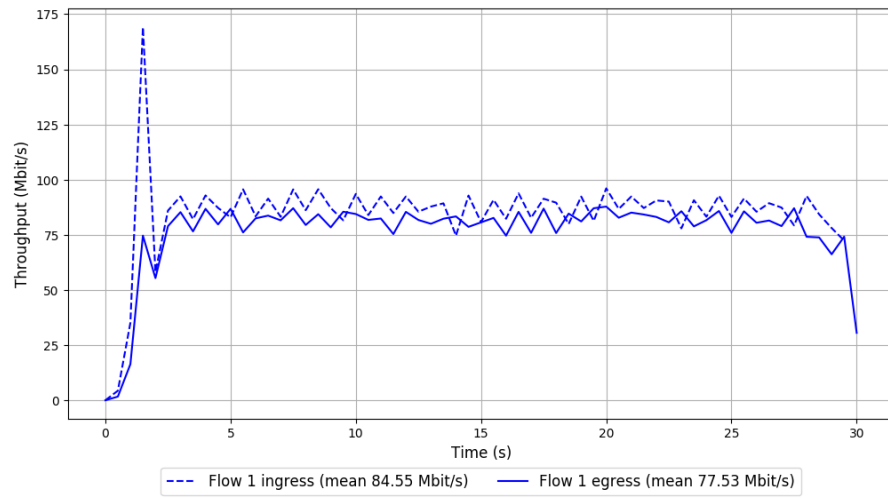


Run 5: Statistics of FillP

Start at: 2018-04-24 10:19:17
End at: 2018-04-24 10:19:47
Local clock offset: 6.726 ms
Remote clock offset: -7.496 ms

Below is generated by plot.py at 2018-04-24 12:42:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.53 Mbit/s
95th percentile per-packet one-way delay: 257.011 ms
Loss rate: 8.06%
-- Flow 1:
Average throughput: 77.53 Mbit/s
95th percentile per-packet one-way delay: 257.011 ms
Loss rate: 8.06%

Run 5: Report of FillP — Data Link

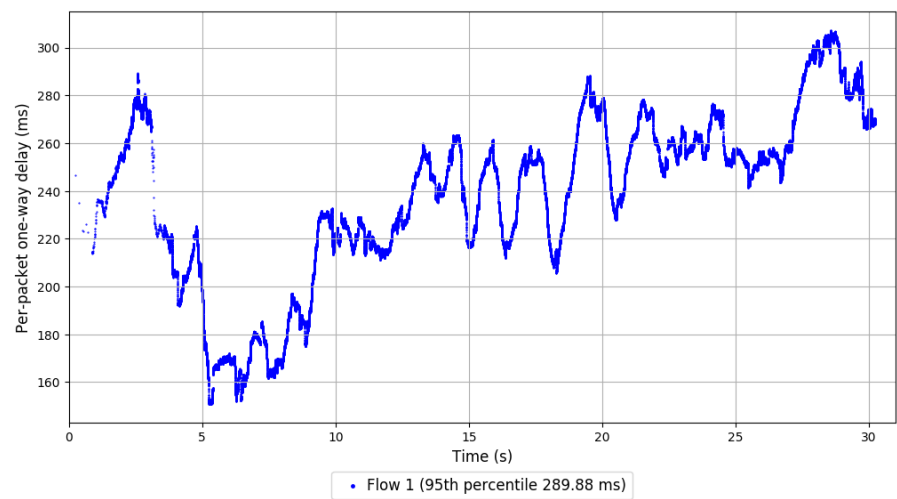
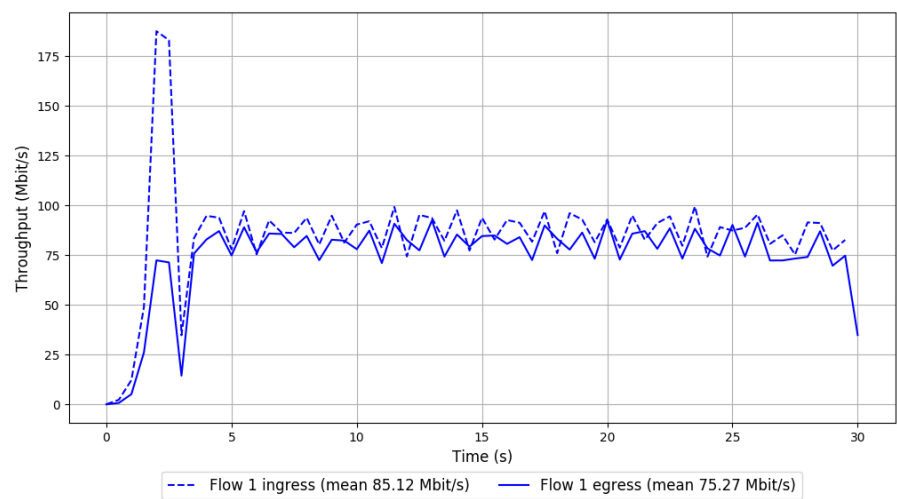


Run 6: Statistics of FillP

Start at: 2018-04-24 10:41:08
End at: 2018-04-24 10:41:38
Local clock offset: 6.906 ms
Remote clock offset: 13.221 ms

Below is generated by plot.py at 2018-04-24 12:42:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.27 Mbit/s
95th percentile per-packet one-way delay: 289.884 ms
Loss rate: 11.50%
-- Flow 1:
Average throughput: 75.27 Mbit/s
95th percentile per-packet one-way delay: 289.884 ms
Loss rate: 11.50%

Run 6: Report of FillP — Data Link

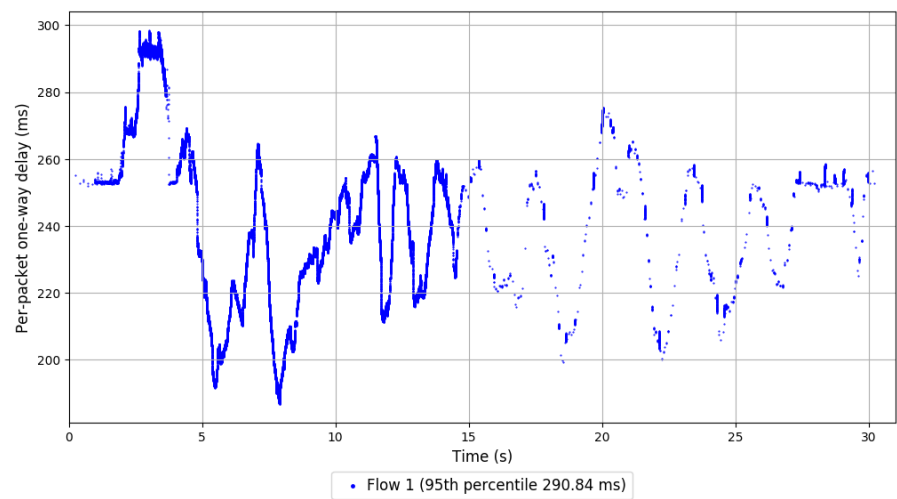
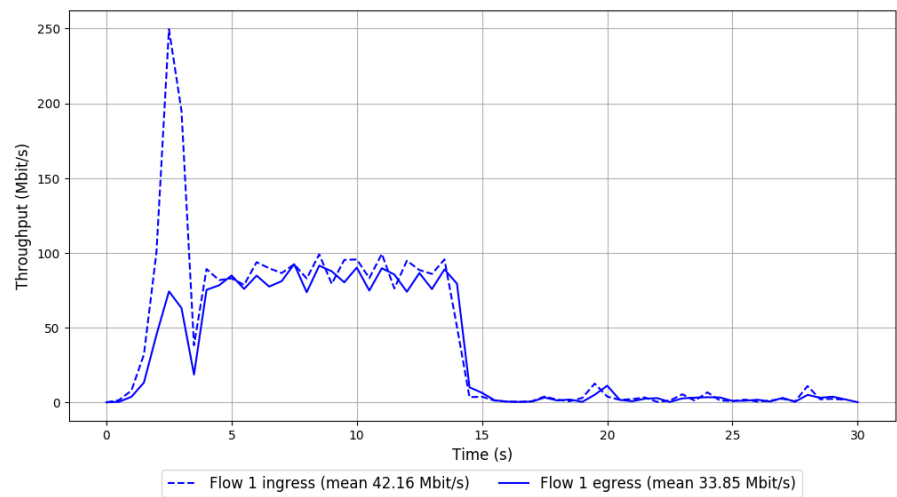


Run 7: Statistics of FillP

Start at: 2018-04-24 11:03:09
End at: 2018-04-24 11:03:39
Local clock offset: -3.602 ms
Remote clock offset: 12.859 ms

Below is generated by plot.py at 2018-04-24 12:42:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.85 Mbit/s
95th percentile per-packet one-way delay: 290.842 ms
Loss rate: 19.72%
-- Flow 1:
Average throughput: 33.85 Mbit/s
95th percentile per-packet one-way delay: 290.842 ms
Loss rate: 19.72%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-24 11:24:59

End at: 2018-04-24 11:25:29

Local clock offset: -3.657 ms

Remote clock offset: 6.285 ms

Below is generated by plot.py at 2018-04-24 12:42:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.71 Mbit/s

95th percentile per-packet one-way delay: 286.137 ms

Loss rate: 16.62%

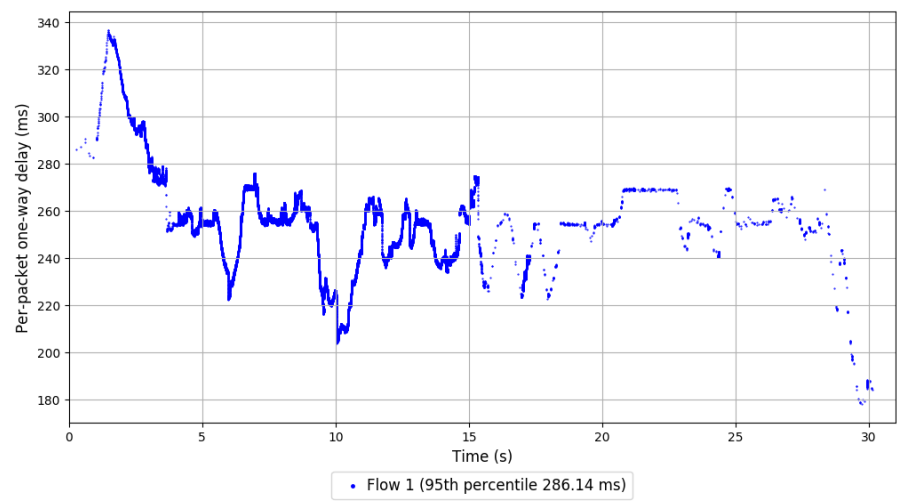
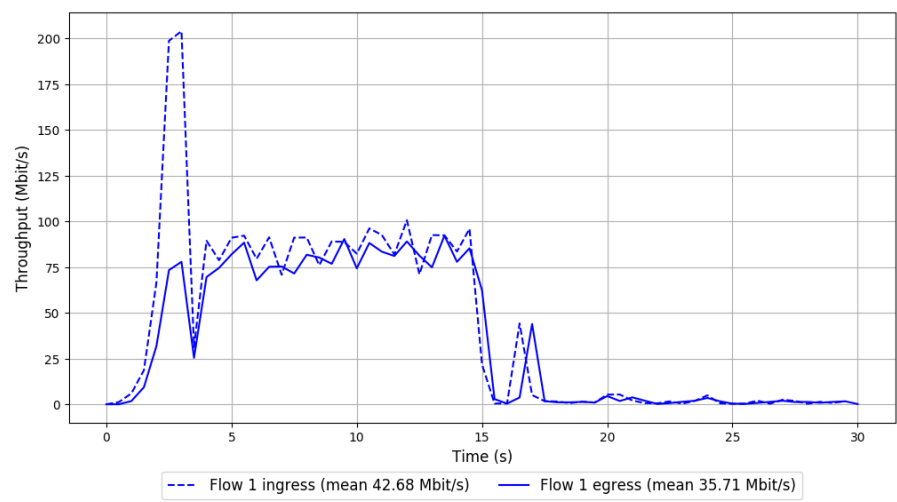
-- Flow 1:

Average throughput: 35.71 Mbit/s

95th percentile per-packet one-way delay: 286.137 ms

Loss rate: 16.62%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-24 11:46:42

End at: 2018-04-24 11:47:12

Local clock offset: -1.242 ms

Remote clock offset: 7.621 ms

Below is generated by plot.py at 2018-04-24 12:43:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.59 Mbit/s

95th percentile per-packet one-way delay: 259.435 ms

Loss rate: 8.07%

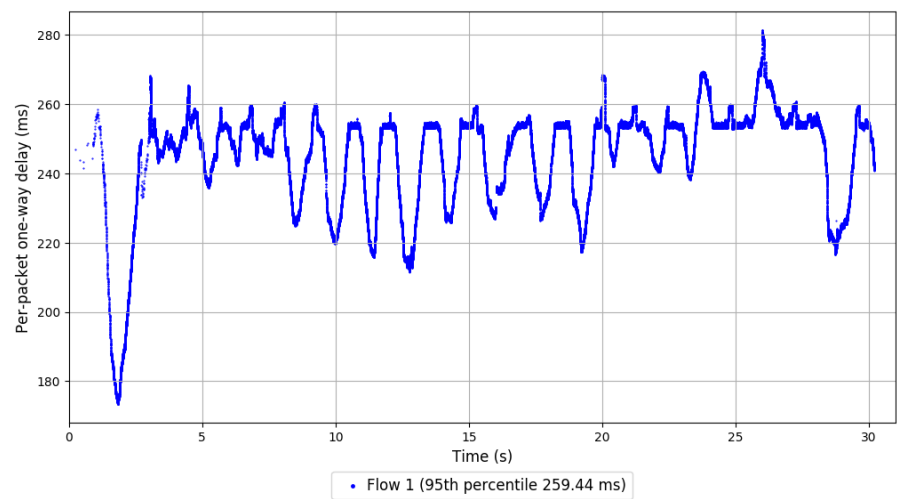
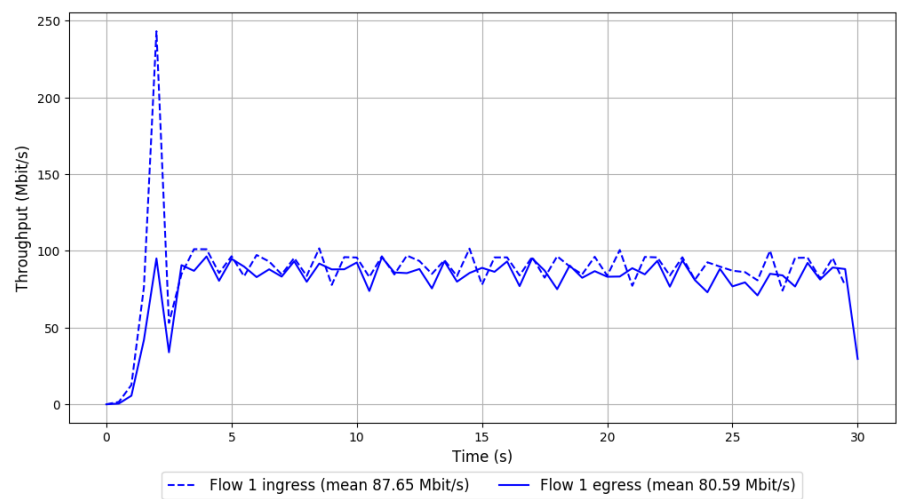
-- Flow 1:

Average throughput: 80.59 Mbit/s

95th percentile per-packet one-way delay: 259.435 ms

Loss rate: 8.07%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-24 12:08:34

End at: 2018-04-24 12:09:04

Local clock offset: -0.368 ms

Remote clock offset: 1.01 ms

Below is generated by plot.py at 2018-04-24 12:43:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.17 Mbit/s

95th percentile per-packet one-way delay: 266.424 ms

Loss rate: 17.57%

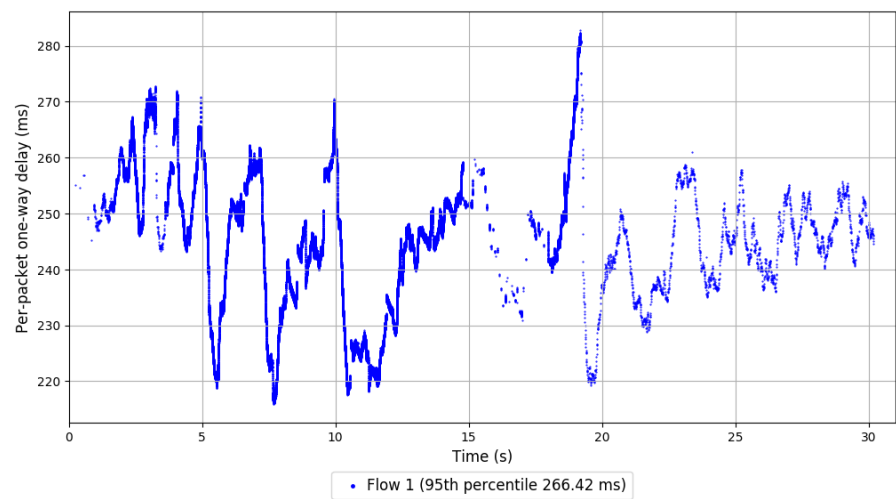
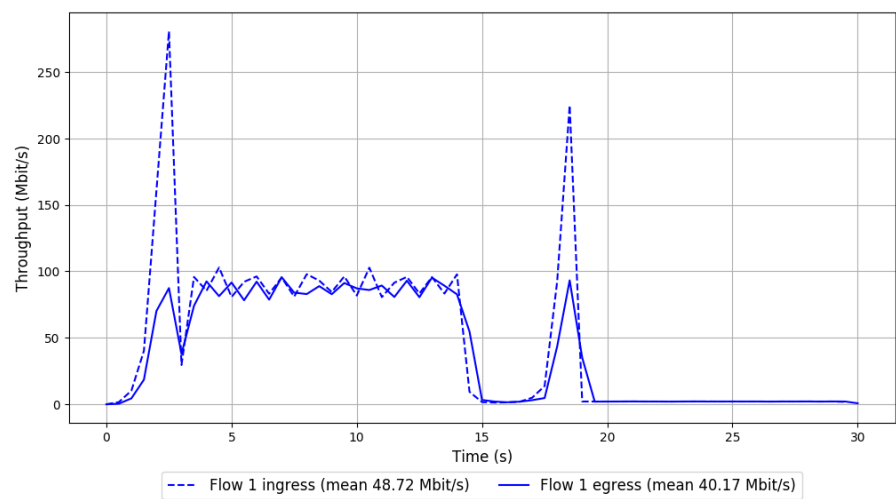
-- Flow 1:

Average throughput: 40.17 Mbit/s

95th percentile per-packet one-way delay: 266.424 ms

Loss rate: 17.57%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo-1-32

Start at: 2018-04-24 09:01:51

End at: 2018-04-24 09:02:21

Local clock offset: -5.135 ms

Remote clock offset: 1.699 ms

Below is generated by plot.py at 2018-04-24 12:43:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.29 Mbit/s

95th percentile per-packet one-way delay: 180.303 ms

Loss rate: 8.27%

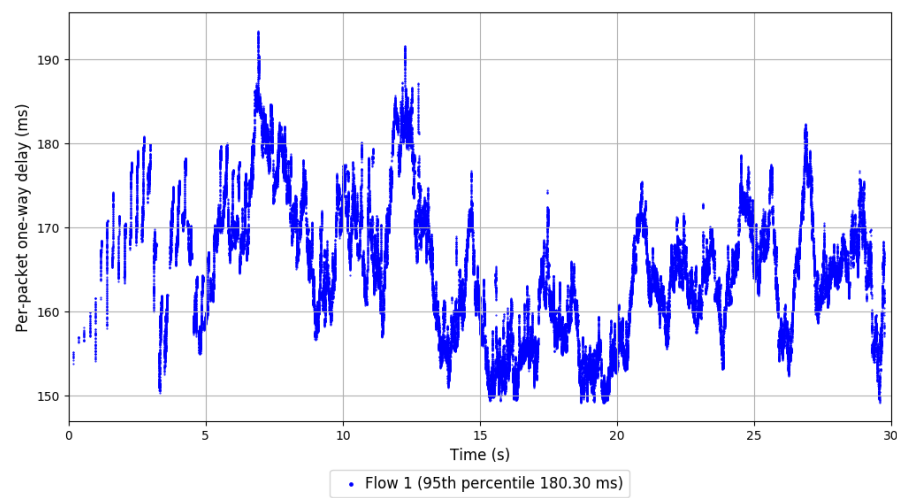
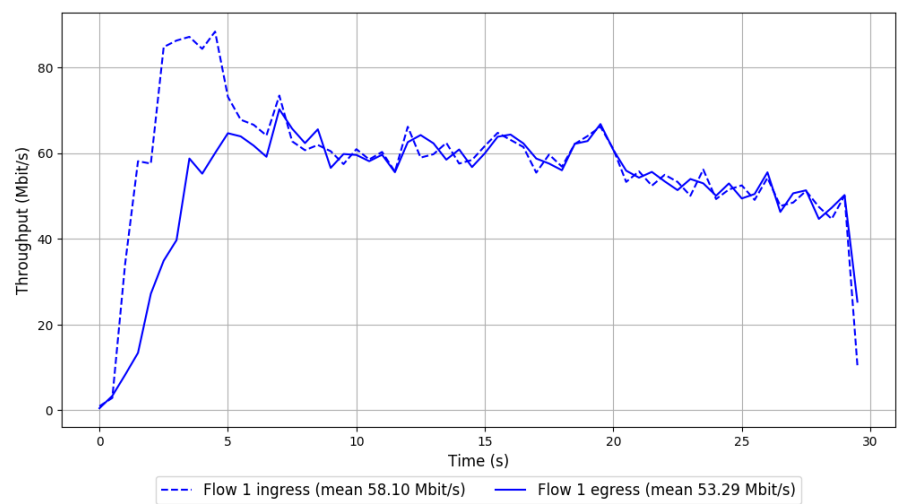
-- Flow 1:

Average throughput: 53.29 Mbit/s

95th percentile per-packet one-way delay: 180.303 ms

Loss rate: 8.27%

Run 1: Report of Indigo-1-32 — Data Link

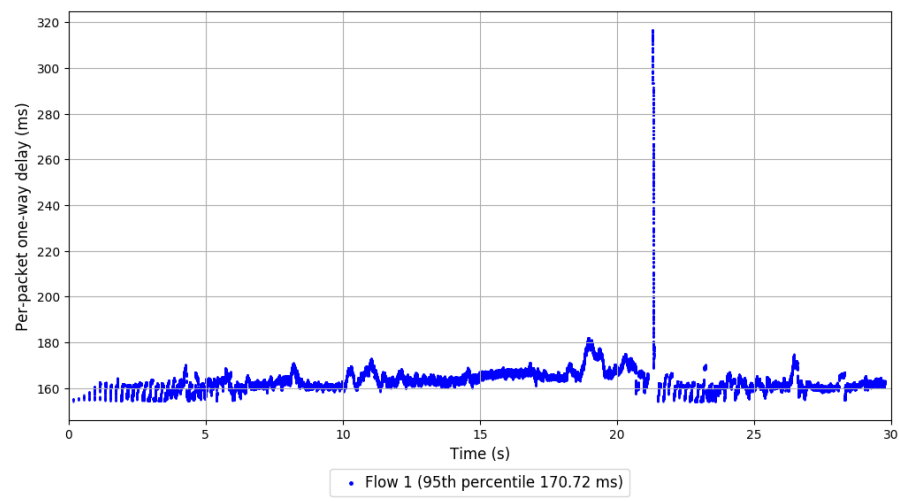
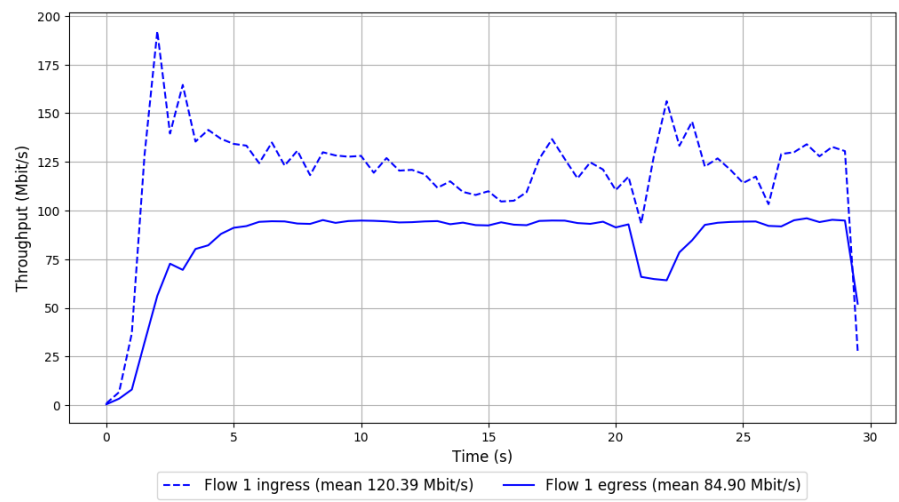


Run 2: Statistics of Indigo-1-32

Start at: 2018-04-24 09:23:09
End at: 2018-04-24 09:23:39
Local clock offset: 3.609 ms
Remote clock offset: 12.253 ms

Below is generated by plot.py at 2018-04-24 12:43:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 170.718 ms
Loss rate: 29.46%
-- Flow 1:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 170.718 ms
Loss rate: 29.46%

Run 2: Report of Indigo-1-32 — Data Link



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-24 09:44:27

End at: 2018-04-24 09:44:57

Local clock offset: 5.712 ms

Remote clock offset: 9.63 ms

Below is generated by plot.py at 2018-04-24 12:43:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.15 Mbit/s

95th percentile per-packet one-way delay: 170.732 ms

Loss rate: 13.69%

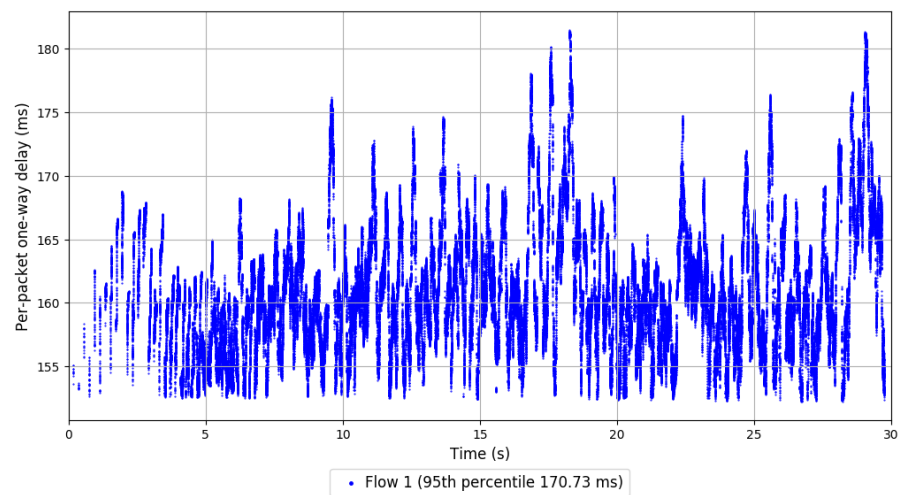
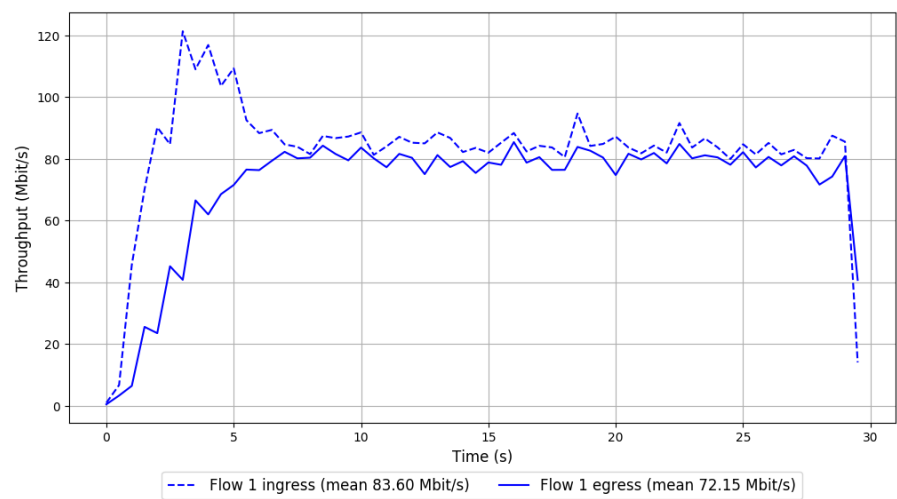
-- Flow 1:

Average throughput: 72.15 Mbit/s

95th percentile per-packet one-way delay: 170.732 ms

Loss rate: 13.69%

Run 3: Report of Indigo-1-32 — Data Link



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-24 10:05:33

End at: 2018-04-24 10:06:03

Local clock offset: 7.133 ms

Remote clock offset: -4.004 ms

Below is generated by plot.py at 2018-04-24 12:43:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.63 Mbit/s

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

Loss rate: 24.96%

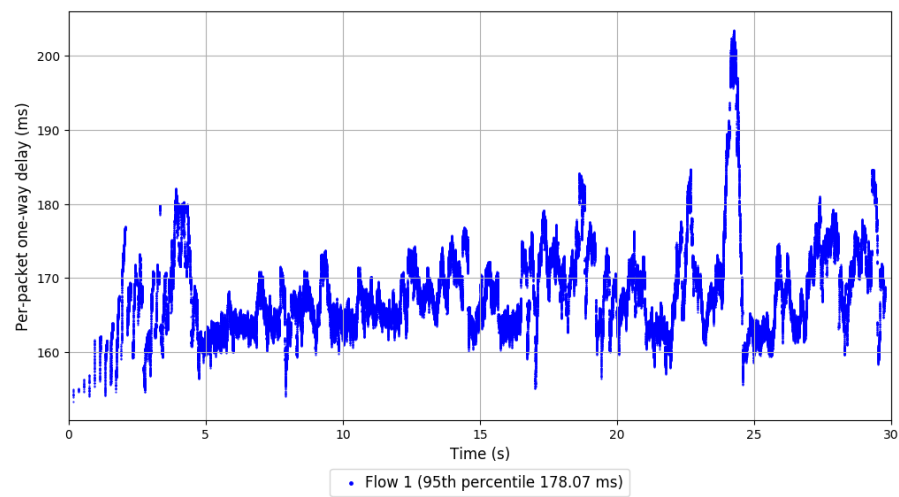
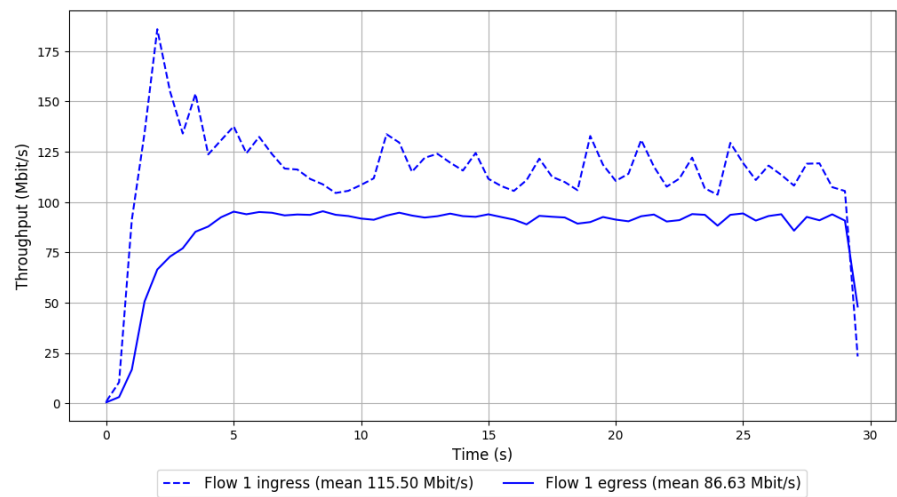
-- Flow 1:

Average throughput: 86.63 Mbit/s

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

Loss rate: 24.96%

Run 4: Report of Indigo-1-32 — Data Link



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-24 10:27:06

End at: 2018-04-24 10:27:36

Local clock offset: 6.541 ms

Remote clock offset: 6.594 ms

Below is generated by plot.py at 2018-04-24 12:43:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.17 Mbit/s

95th percentile per-packet one-way delay: 263.282 ms

Loss rate: 18.35%

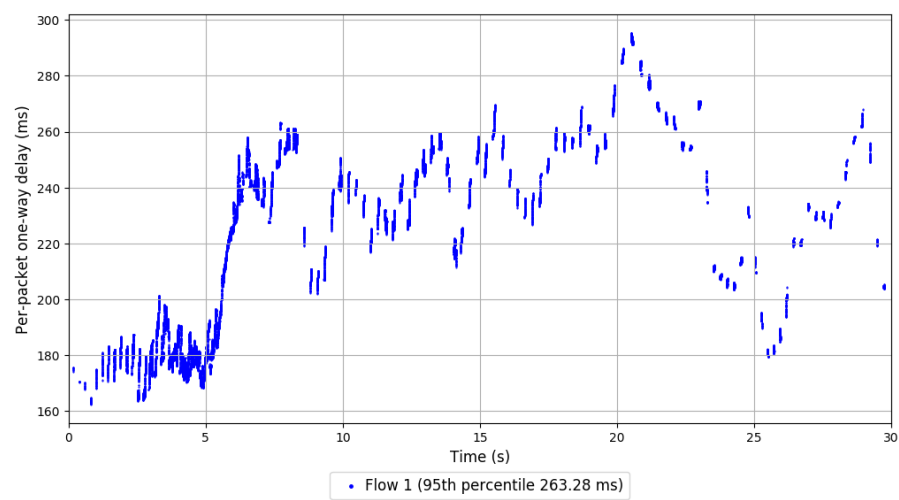
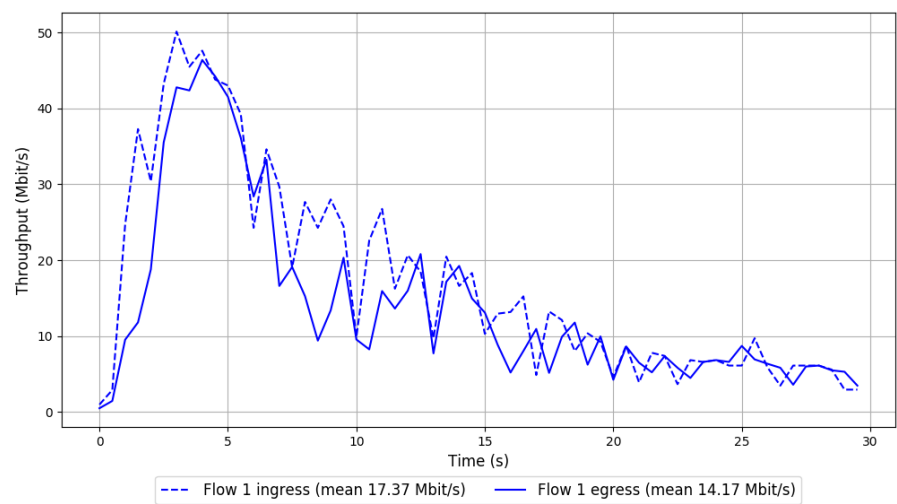
-- Flow 1:

Average throughput: 14.17 Mbit/s

95th percentile per-packet one-way delay: 263.282 ms

Loss rate: 18.35%

Run 5: Report of Indigo-1-32 — Data Link



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-24 10:48:51

End at: 2018-04-24 10:49:21

Local clock offset: 3.083 ms

Remote clock offset: 9.931 ms

Below is generated by plot.py at 2018-04-24 12:43:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.53 Mbit/s

95th percentile per-packet one-way delay: 274.103 ms

Loss rate: 33.09%

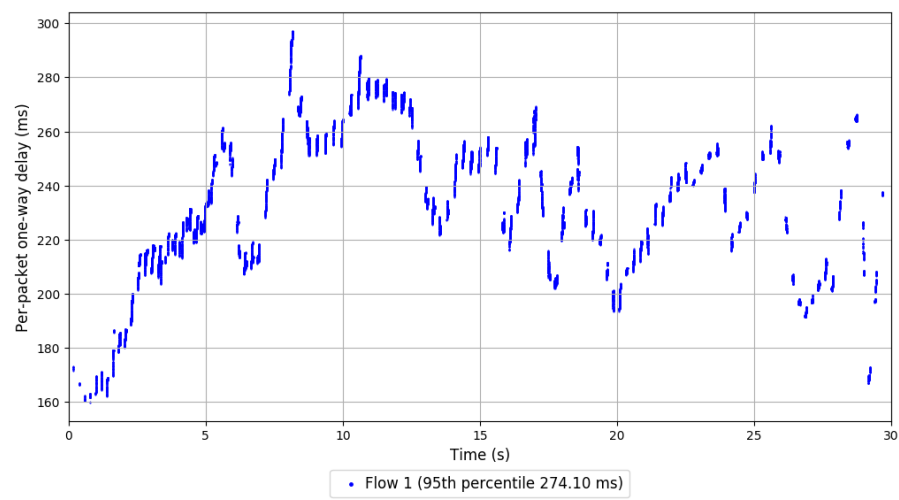
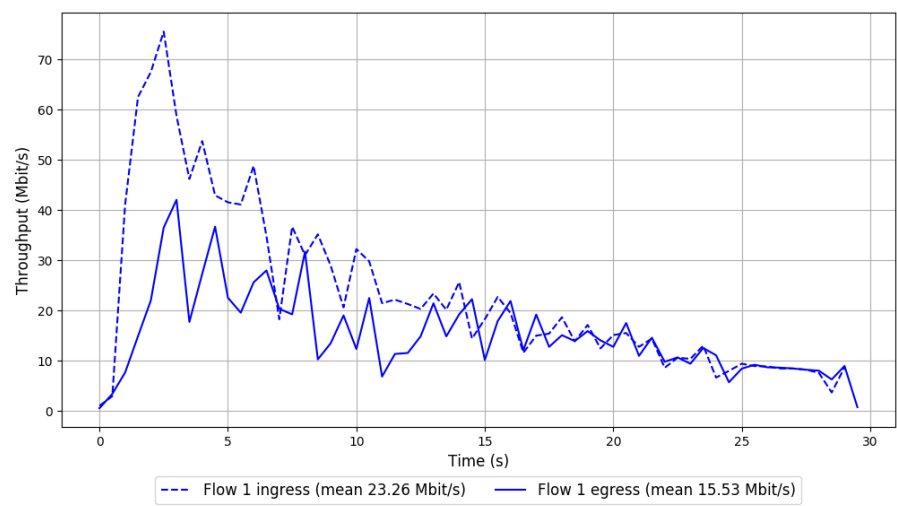
-- Flow 1:

Average throughput: 15.53 Mbit/s

95th percentile per-packet one-way delay: 274.103 ms

Loss rate: 33.09%

Run 6: Report of Indigo-1-32 — Data Link

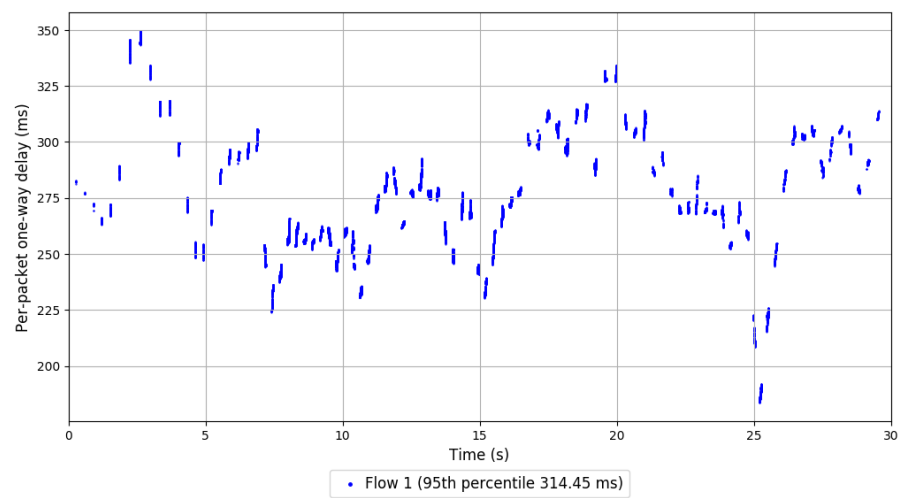
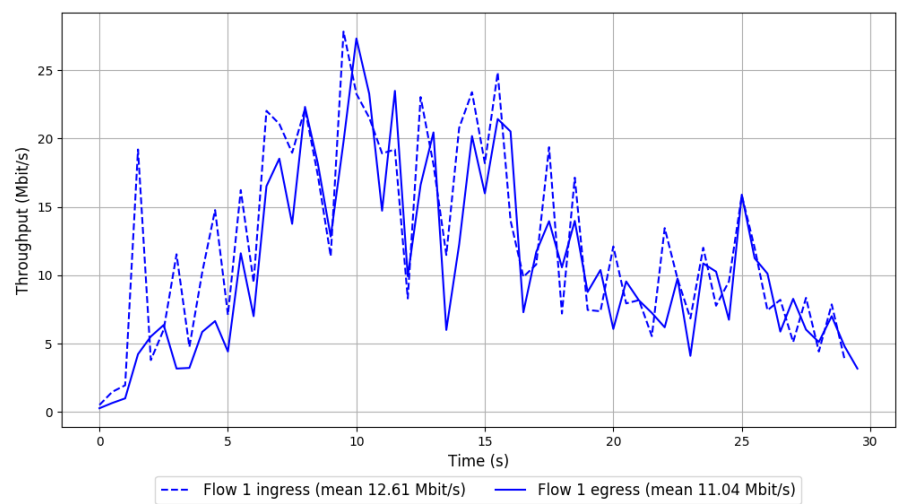


Run 7: Statistics of Indigo-1-32

Start at: 2018-04-24 11:10:48
End at: 2018-04-24 11:11:18
Local clock offset: -5.346 ms
Remote clock offset: 16.023 ms

Below is generated by plot.py at 2018-04-24 12:43:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 314.455 ms
Loss rate: 12.38%
-- Flow 1:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 314.455 ms
Loss rate: 12.38%

Run 7: Report of Indigo-1-32 — Data Link



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-24 11:32:37

End at: 2018-04-24 11:33:07

Local clock offset: -1.841 ms

Remote clock offset: 5.671 ms

Below is generated by plot.py at 2018-04-24 12:43:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.65 Mbit/s

95th percentile per-packet one-way delay: 288.789 ms

Loss rate: 4.57%

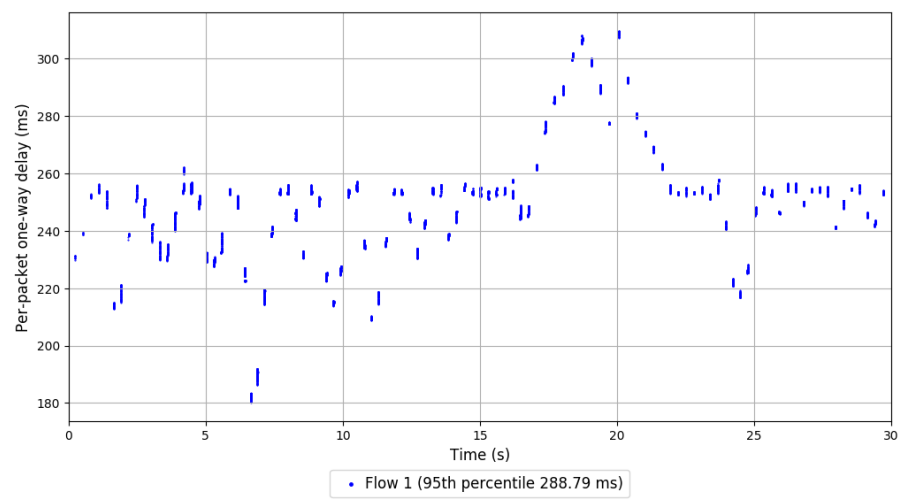
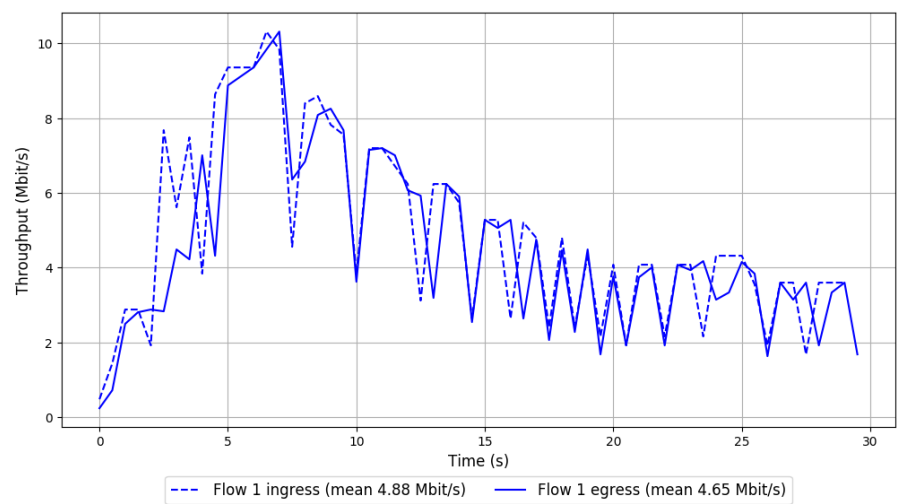
-- Flow 1:

Average throughput: 4.65 Mbit/s

95th percentile per-packet one-way delay: 288.789 ms

Loss rate: 4.57%

Run 8: Report of Indigo-1-32 — Data Link



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-24 11:54:30

End at: 2018-04-24 11:55:00

Local clock offset: -1.159 ms

Remote clock offset: 3.058 ms

Below is generated by plot.py at 2018-04-24 12:43:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 268.612 ms

Loss rate: 3.21%

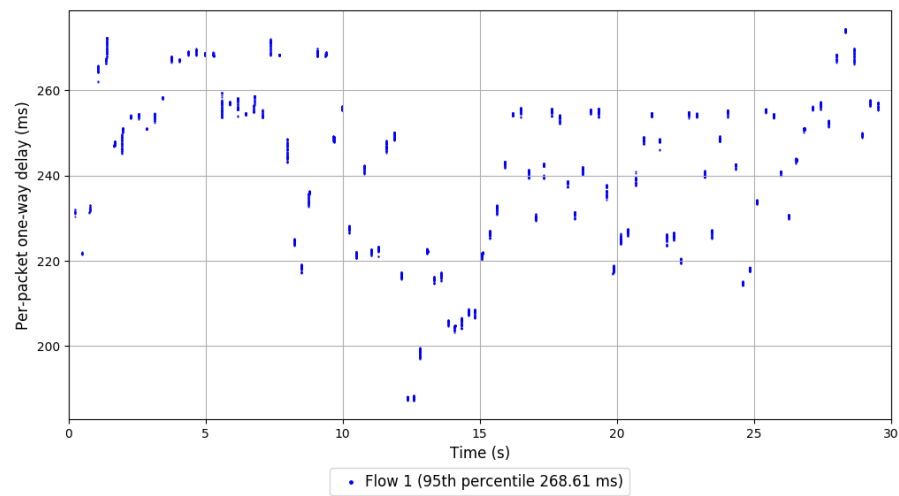
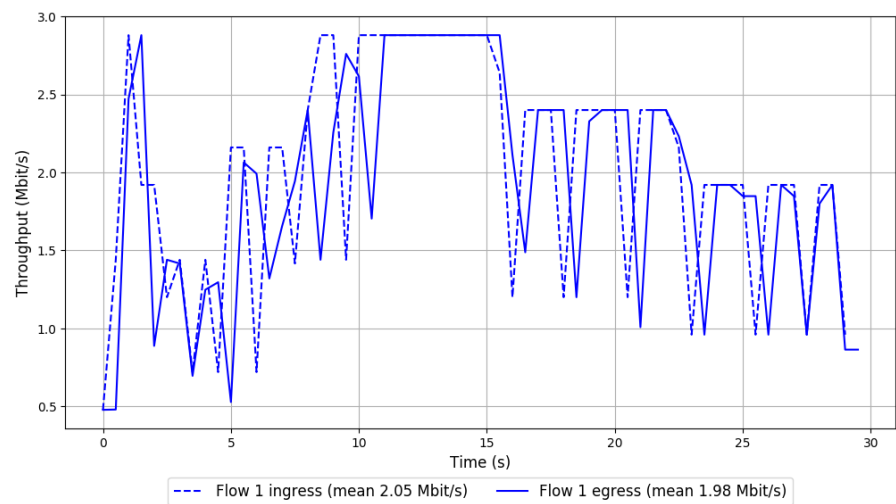
-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 268.612 ms

Loss rate: 3.21%

Run 9: Report of Indigo-1-32 — Data Link



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-24 12:16:13

End at: 2018-04-24 12:16:43

Local clock offset: -0.156 ms

Remote clock offset: 0.983 ms

Below is generated by plot.py at 2018-04-24 12:43:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.71 Mbit/s

95th percentile per-packet one-way delay: 250.889 ms

Loss rate: 16.26%

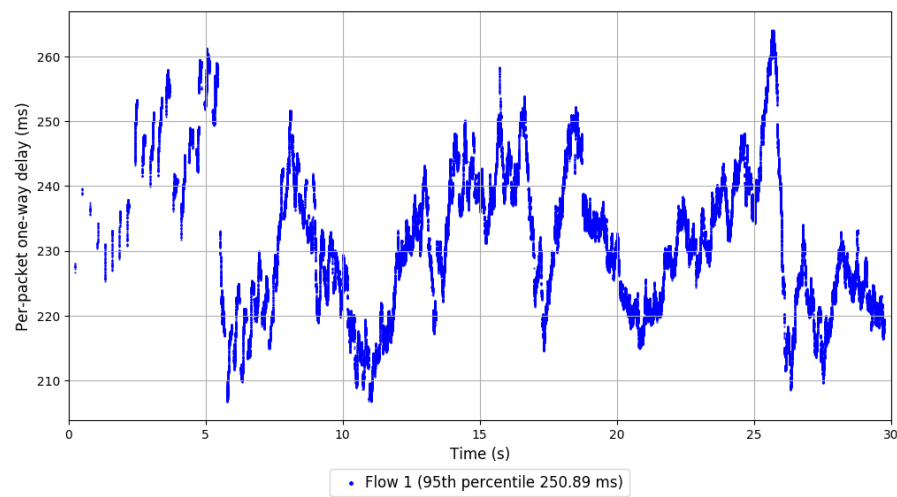
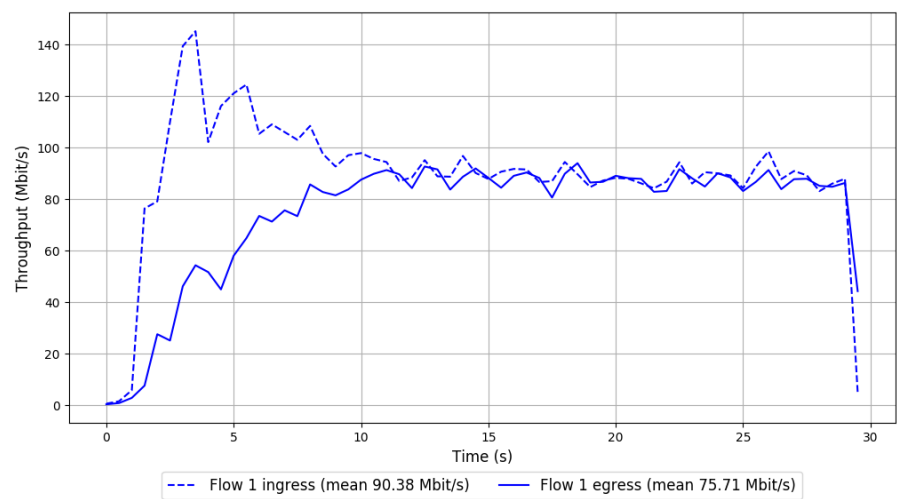
-- Flow 1:

Average throughput: 75.71 Mbit/s

95th percentile per-packet one-way delay: 250.889 ms

Loss rate: 16.26%

Run 10: Report of Indigo-1-32 — Data Link

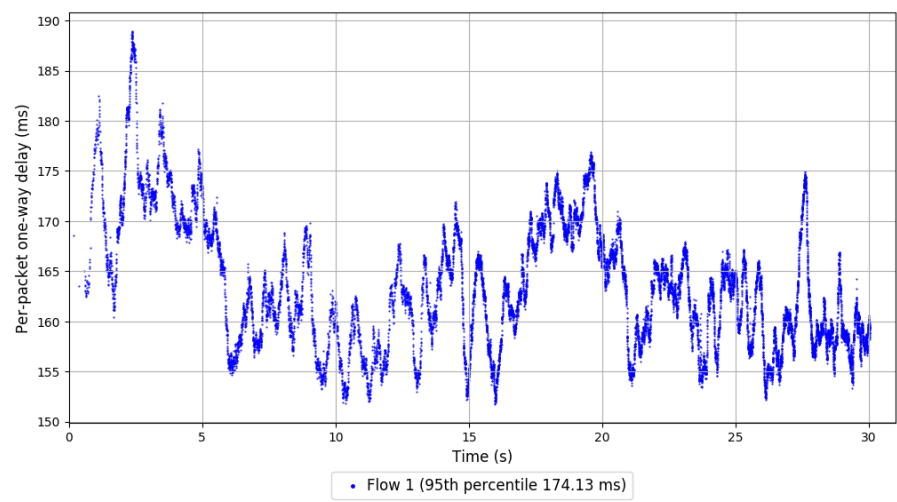
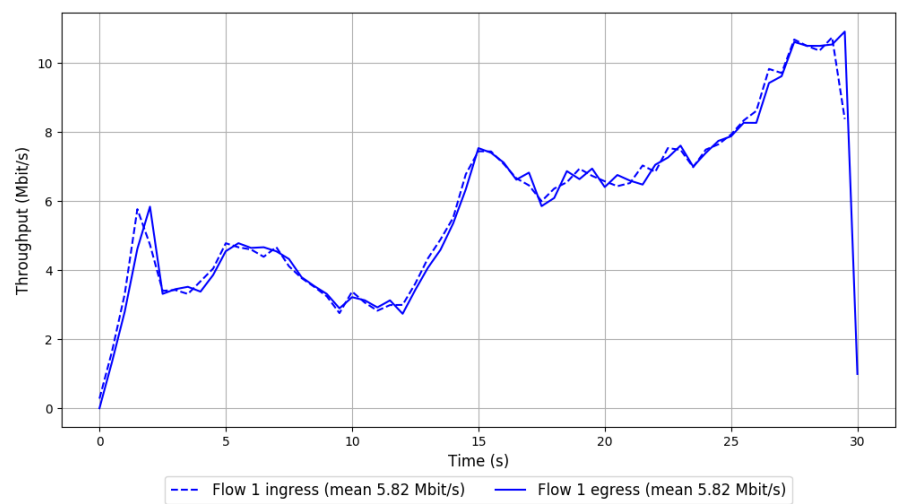


Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 08:58:12
End at: 2018-04-24 08:58:42
Local clock offset: -4.991 ms
Remote clock offset: -21.301 ms

Below is generated by plot.py at 2018-04-24 12:43:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 174.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 174.128 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-24 09:19:29

End at: 2018-04-24 09:19:59

Local clock offset: 3.004 ms

Remote clock offset: 8.937 ms

Below is generated by plot.py at 2018-04-24 12:43:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.34 Mbit/s

95th percentile per-packet one-way delay: 155.779 ms

Loss rate: 0.06%

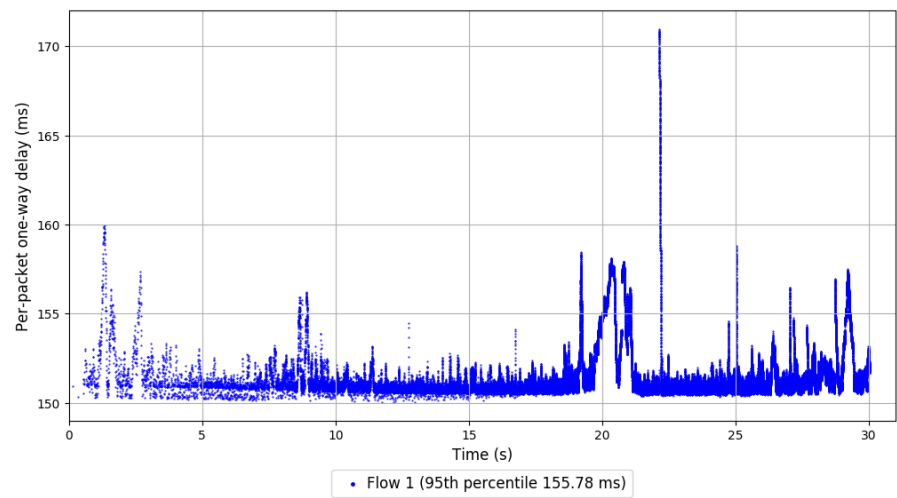
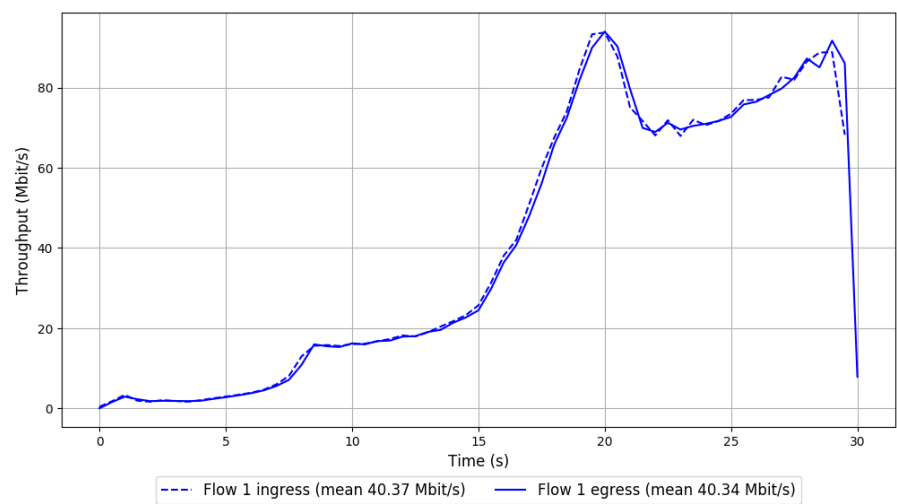
-- Flow 1:

Average throughput: 40.34 Mbit/s

95th percentile per-packet one-way delay: 155.779 ms

Loss rate: 0.06%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-24 09:40:46

End at: 2018-04-24 09:41:16

Local clock offset: 5.421 ms

Remote clock offset: 6.327 ms

Below is generated by plot.py at 2018-04-24 12:43:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.79 Mbit/s

95th percentile per-packet one-way delay: 166.194 ms

Loss rate: 0.77%

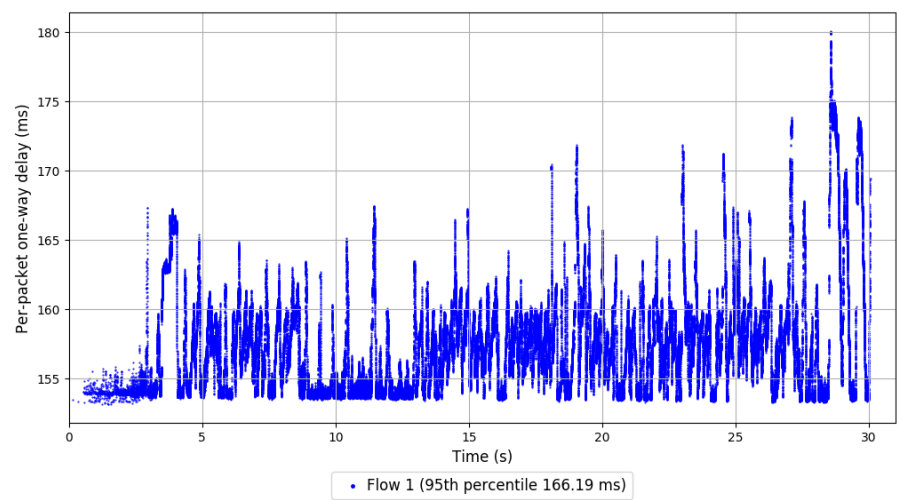
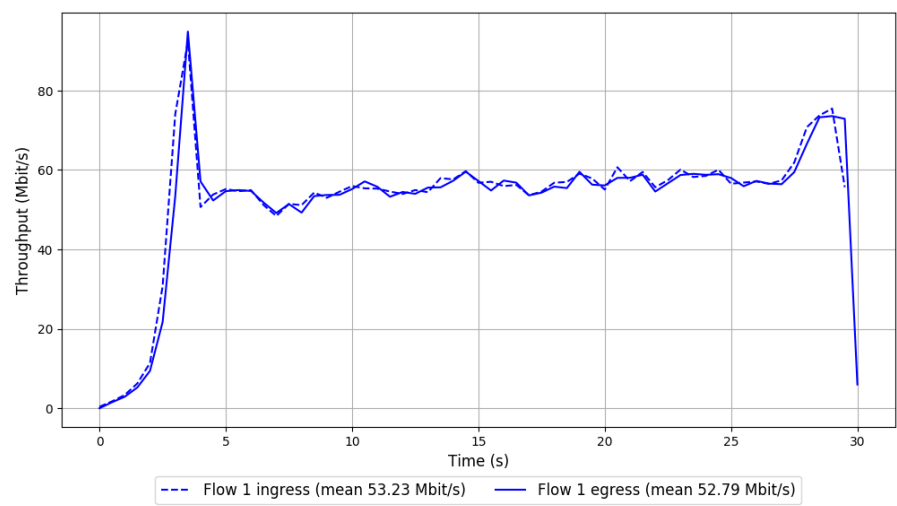
-- Flow 1:

Average throughput: 52.79 Mbit/s

95th percentile per-packet one-way delay: 166.194 ms

Loss rate: 0.77%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-04-24 10:01:53

End at: 2018-04-24 10:02:23

Local clock offset: 6.785 ms

Remote clock offset: -7.6 ms

Below is generated by plot.py at 2018-04-24 12:43:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.53 Mbit/s

95th percentile per-packet one-way delay: 173.467 ms

Loss rate: 0.84%

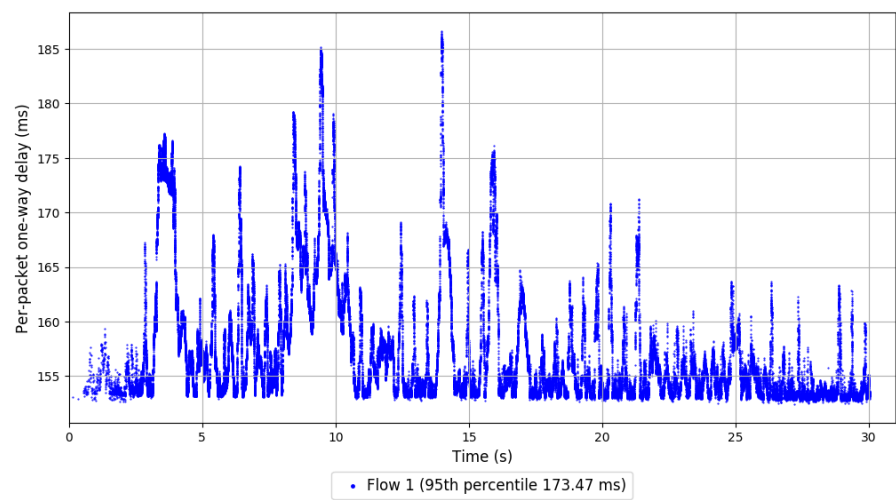
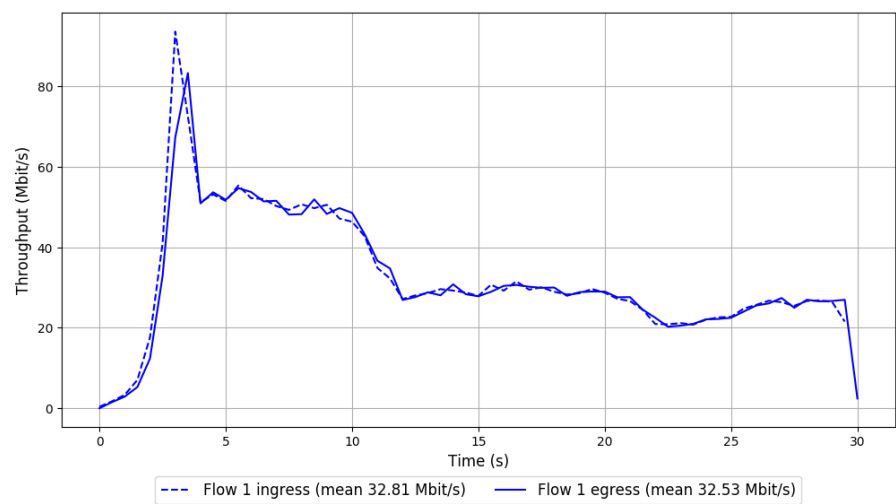
-- Flow 1:

Average throughput: 32.53 Mbit/s

95th percentile per-packet one-way delay: 173.467 ms

Loss rate: 0.84%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-24 10:23:07

End at: 2018-04-24 10:23:37

Local clock offset: 6.5 ms

Remote clock offset: 2.761 ms

Below is generated by plot.py at 2018-04-24 12:43:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.04 Mbit/s

95th percentile per-packet one-way delay: 258.098 ms

Loss rate: 1.36%

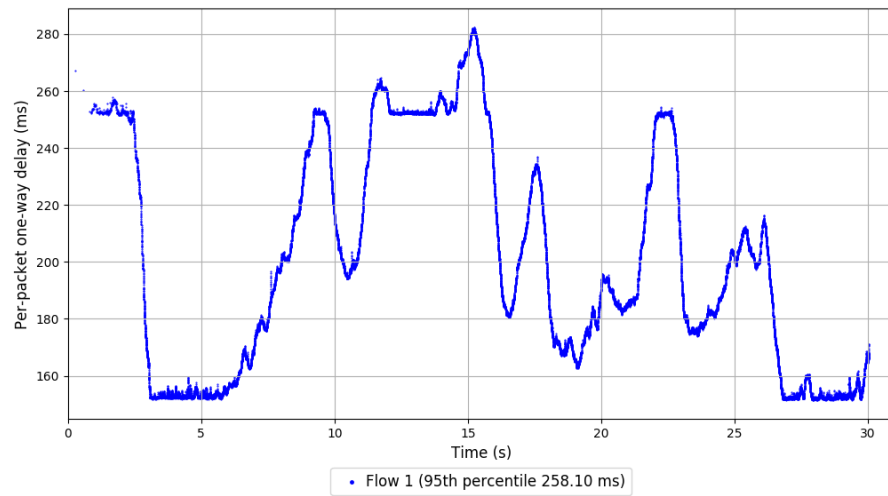
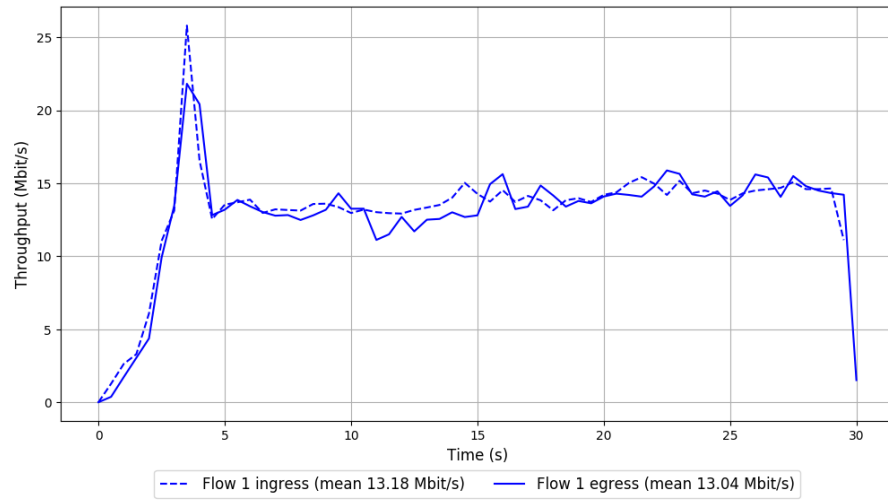
-- Flow 1:

Average throughput: 13.04 Mbit/s

95th percentile per-packet one-way delay: 258.098 ms

Loss rate: 1.36%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-24 10:45:03

End at: 2018-04-24 10:45:33

Local clock offset: 6.727 ms

Remote clock offset: 10.596 ms

Below is generated by plot.py at 2018-04-24 12:43:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.05 Mbit/s

95th percentile per-packet one-way delay: 279.015 ms

Loss rate: 1.92%

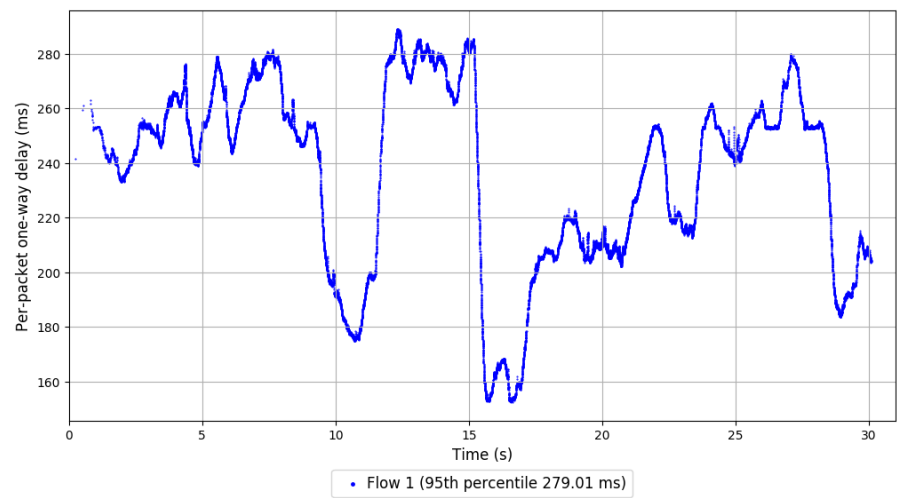
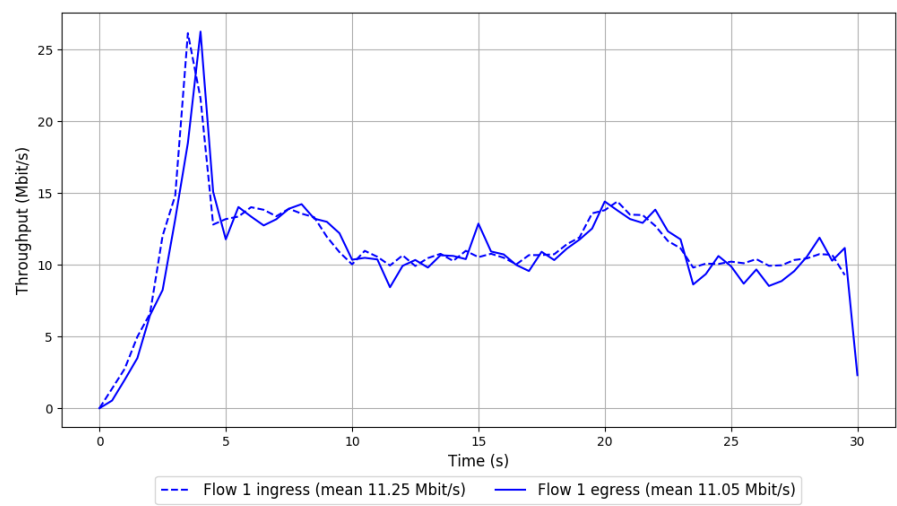
-- Flow 1:

Average throughput: 11.05 Mbit/s

95th percentile per-packet one-way delay: 279.015 ms

Loss rate: 1.92%

Run 6: Report of PCC-Vivace — Data Link

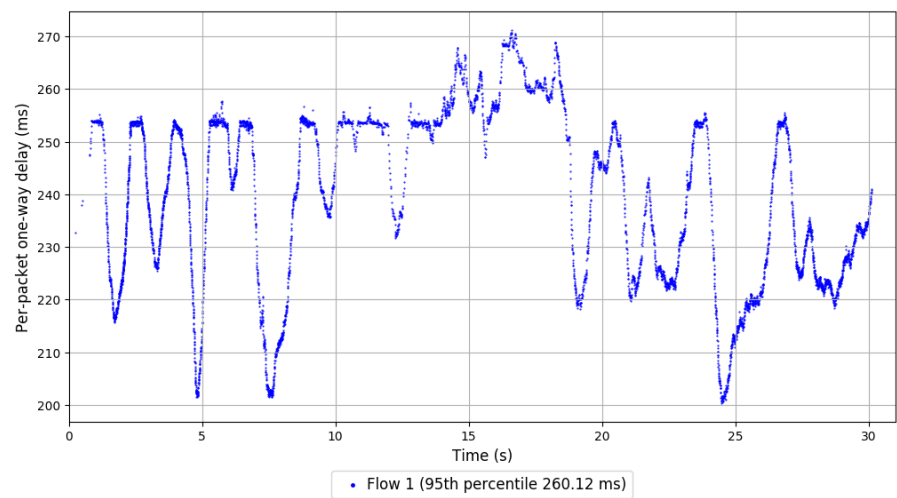
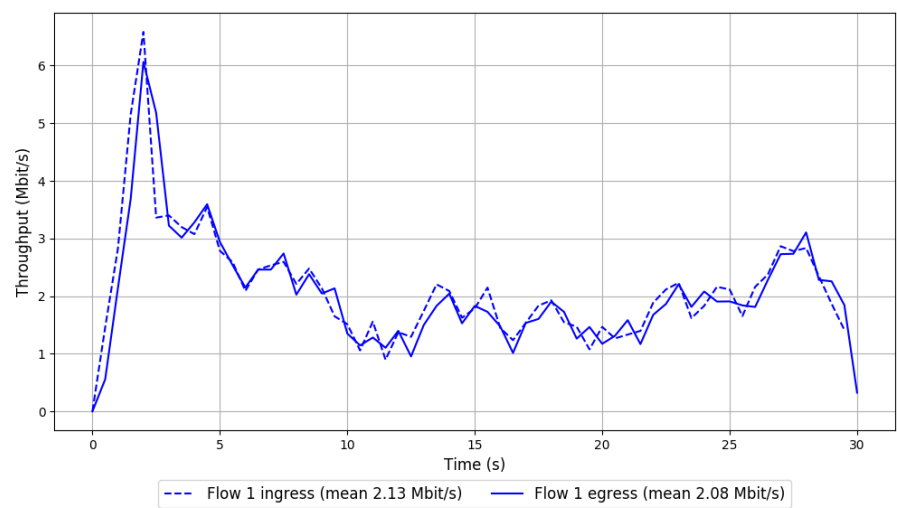


Run 7: Statistics of PCC-Vivace

Start at: 2018-04-24 11:07:01
End at: 2018-04-24 11:07:31
Local clock offset: -4.578 ms
Remote clock offset: 14.312 ms

Below is generated by plot.py at 2018-04-24 12:43:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 260.116 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 260.116 ms
Loss rate: 2.38%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-24 11:28:48

End at: 2018-04-24 11:29:18

Local clock offset: -2.357 ms

Remote clock offset: 5.686 ms

Below is generated by plot.py at 2018-04-24 12:43:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 268.470 ms

Loss rate: 4.35%

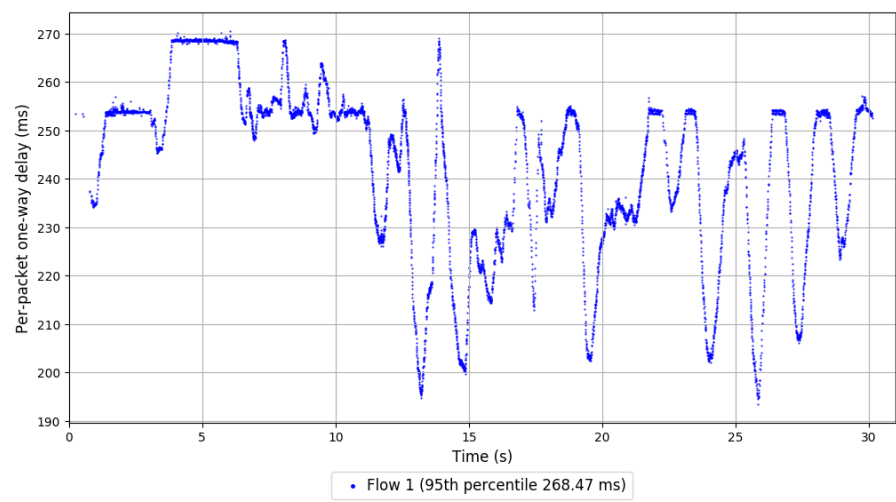
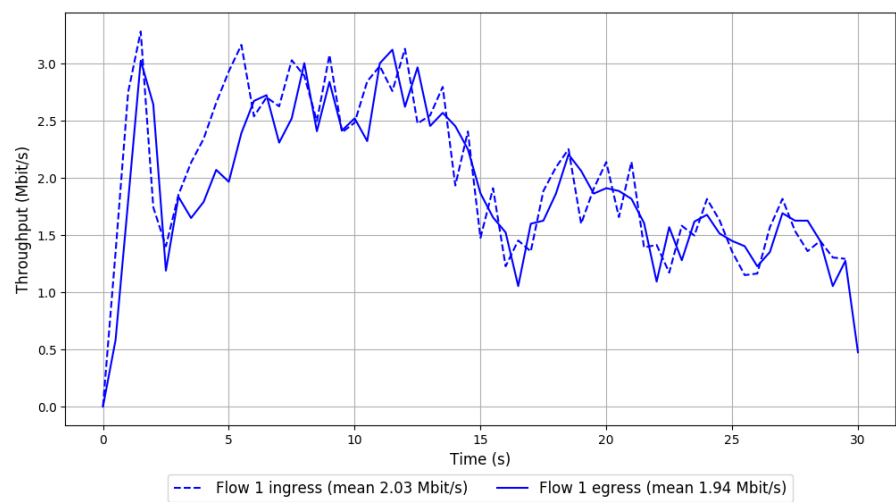
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 268.470 ms

Loss rate: 4.35%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-24 11:50:43

End at: 2018-04-24 11:51:13

Local clock offset: -1.313 ms

Remote clock offset: 4.691 ms

Below is generated by plot.py at 2018-04-24 12:43:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.49 Mbit/s

95th percentile per-packet one-way delay: 292.201 ms

Loss rate: 3.73%

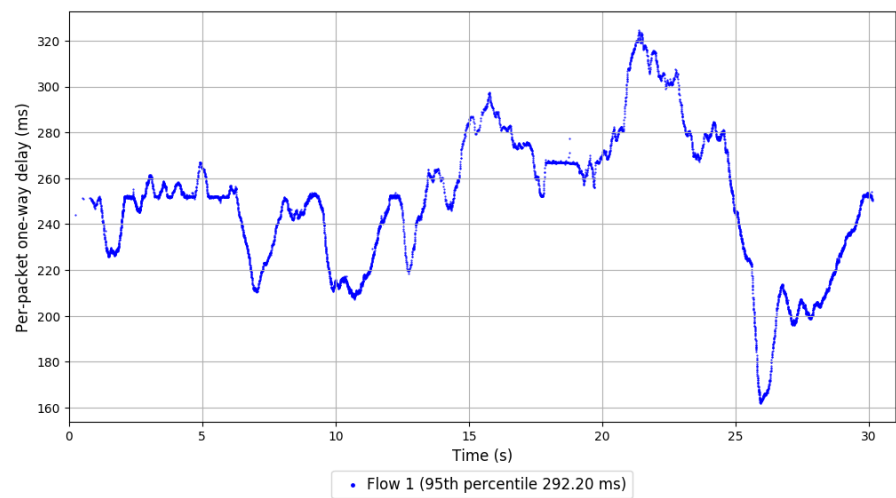
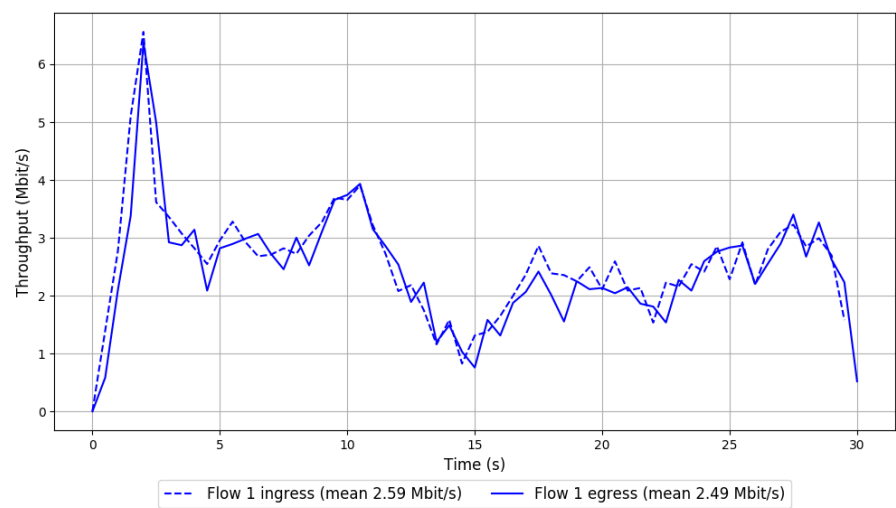
-- Flow 1:

Average throughput: 2.49 Mbit/s

95th percentile per-packet one-way delay: 292.201 ms

Loss rate: 3.73%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-24 12:12:25

End at: 2018-04-24 12:12:55

Local clock offset: -0.223 ms

Remote clock offset: 0.927 ms

Below is generated by plot.py at 2018-04-24 12:43:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 245.925 ms

Loss rate: 0.00%

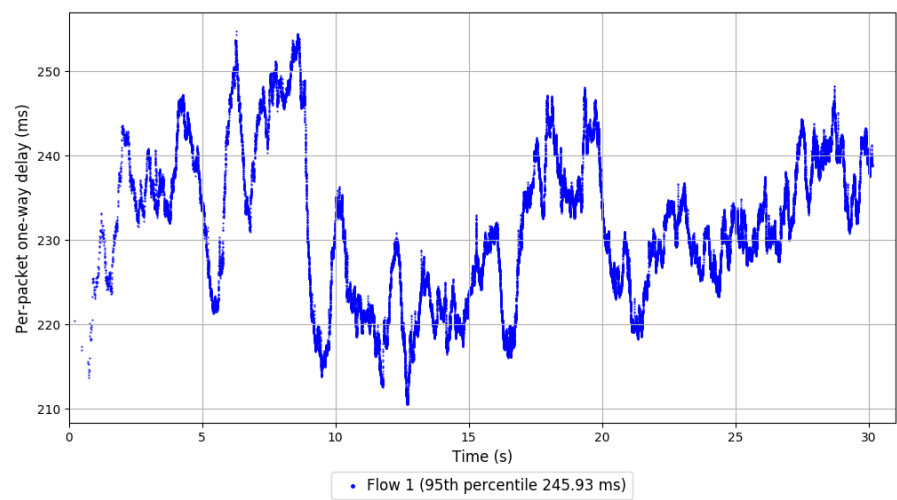
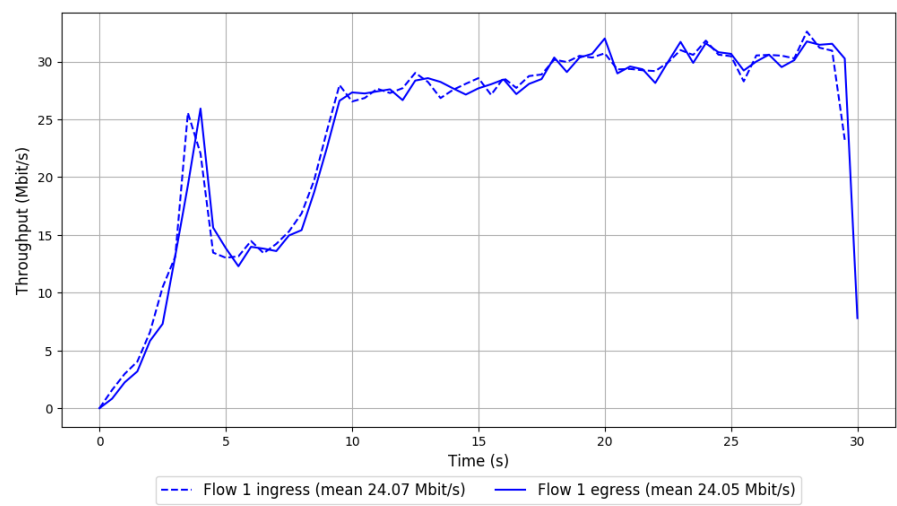
-- Flow 1:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 245.925 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 08:48:19

End at: 2018-04-24 08:48:49

Local clock offset: -4.057 ms

Remote clock offset: 25.722 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 09:09:24

End at: 2018-04-24 09:09:54

Local clock offset: -0.239 ms

Remote clock offset: -2.629 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 09:30:50
End at: 2018-04-24 09:31:20
Local clock offset: 4.584 ms
Remote clock offset: -39.617 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 09:52:01

End at: 2018-04-24 09:52:31

Local clock offset: 6.129 ms

Remote clock offset: -22.117 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 10:13:07
End at: 2018-04-24 10:13:37
Local clock offset: 7.097 ms
Remote clock offset: -13.792 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 10:34:42

End at: 2018-04-24 10:35:12

Local clock offset: 6.734 ms

Remote clock offset: 13.25 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 10:56:45

End at: 2018-04-24 10:57:15

Local clock offset: -1.176 ms

Remote clock offset: 10.519 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 11:18:35

End at: 2018-04-24 11:19:05

Local clock offset: -7.107 ms

Remote clock offset: 9.259 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 11:40:22

End at: 2018-04-24 11:40:52

Local clock offset: -1.06 ms

Remote clock offset: 6.475 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 12:02:12

End at: 2018-04-24 12:02:42

Local clock offset: -0.494 ms

Remote clock offset: 1.343 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing