

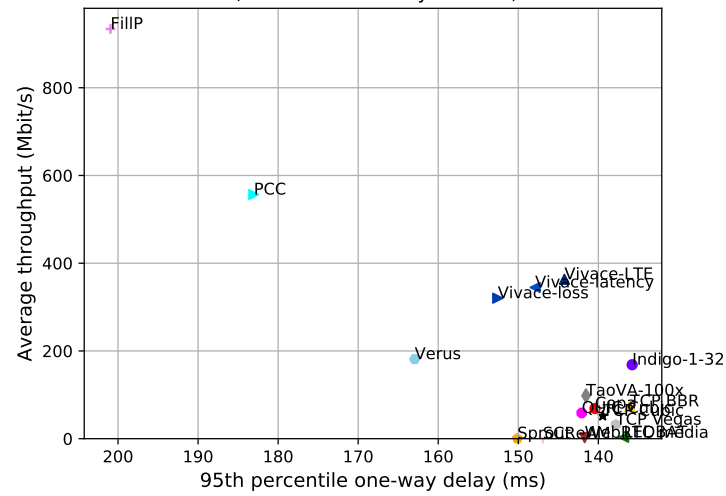
## Pantheon Report

Generated at 2018-02-20 16:58:52 (UTC).  
Data path: GCE Sydney Ethernet (*local*) → GCE London Ethernet (*remote*).  
Repeated the test of 17 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

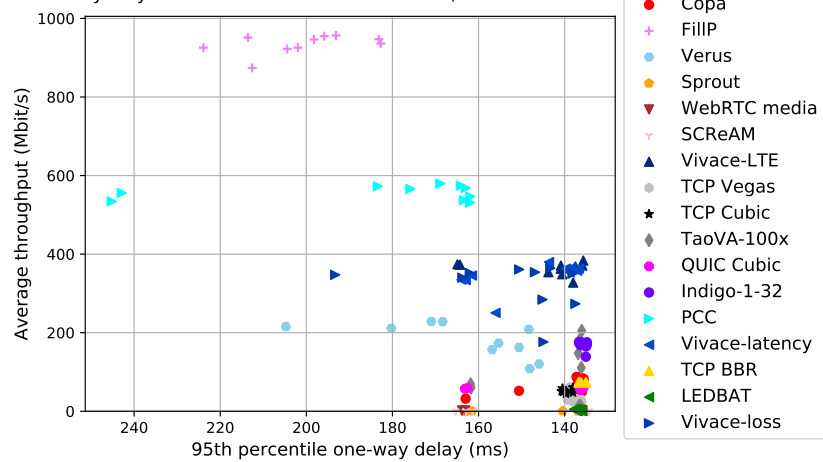
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
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 @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from GCE Sydney Ethernet to GCE London Ethernet, 10 runs of 30s each



| scheme         | # runs | mean avg tput (Mbit/s)<br>flow 1 | mean 95th-%ile delay (ms)<br>flow 1 | mean loss rate (%)<br>flow 1 |
|----------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR        | 10     | 73.69                            | 136.07                              | 0.00                         |
| TCP Cubic      | 10     | 51.93                            | 139.45                              | 0.00                         |
| LEDBAT         | 10     | 3.05                             | 136.84                              | 0.00                         |
| PCC            | 10     | 556.51                           | 183.04                              | 1.12                         |
| QUIC Cubic     | 9      | 58.72                            | 142.08                              | 0.01                         |
| SCReAM         | 10     | 0.21                             | 146.93                              | 0.00                         |
| WebRTC media   | 10     | 2.12                             | 141.71                              | 0.00                         |
| Sprout         | 10     | 0.37                             | 150.12                              | 0.00                         |
| TaoVA-100x     | 10     | 97.96                            | 141.54                              | 0.00                         |
| TCP Vegas      | 10     | 31.86                            | 137.81                              | 0.01                         |
| Verus          | 10     | 181.33                           | 162.94                              | 0.07                         |
| Copa           | 10     | 68.79                            | 140.42                              | 0.00                         |
| FillP          | 10     | 933.96                           | 200.94                              | 0.77                         |
| Indigo-1-32    | 10     | 168.60                           | 135.78                              | 0.00                         |
| Vivace-latency | 10     | 344.66                           | 147.90                              | 0.00                         |
| Vivace-loss    | 10     | 320.26                           | 152.56                              | 0.00                         |
| Vivace-LTE     | 10     | 363.43                           | 144.24                              | 0.00                         |

Run 1: Statistics of TCP BBR

Start at: 2018-02-20 11:56:04

End at: 2018-02-20 11:56:34

# Below is generated by plot.py at 2018-02-20 15:44:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.49 Mbit/s

95th percentile per-packet one-way delay: 136.741 ms

Loss rate: 0.00%

-- Flow 1:

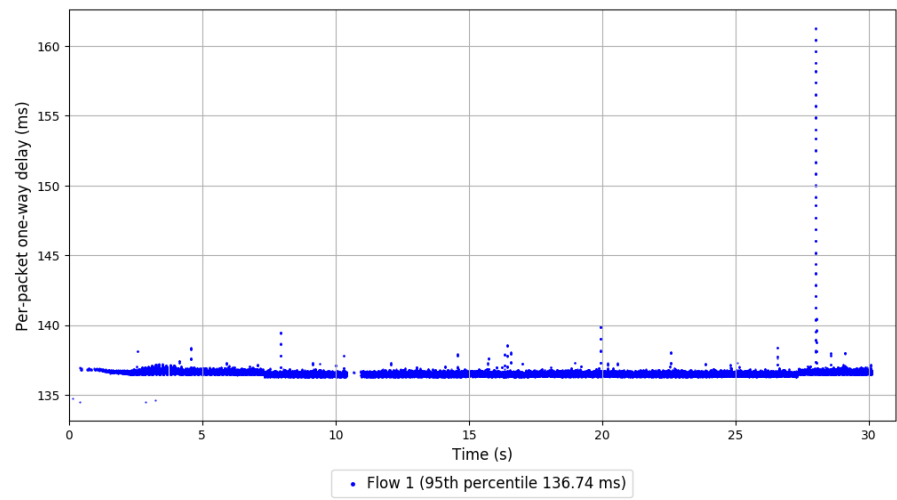
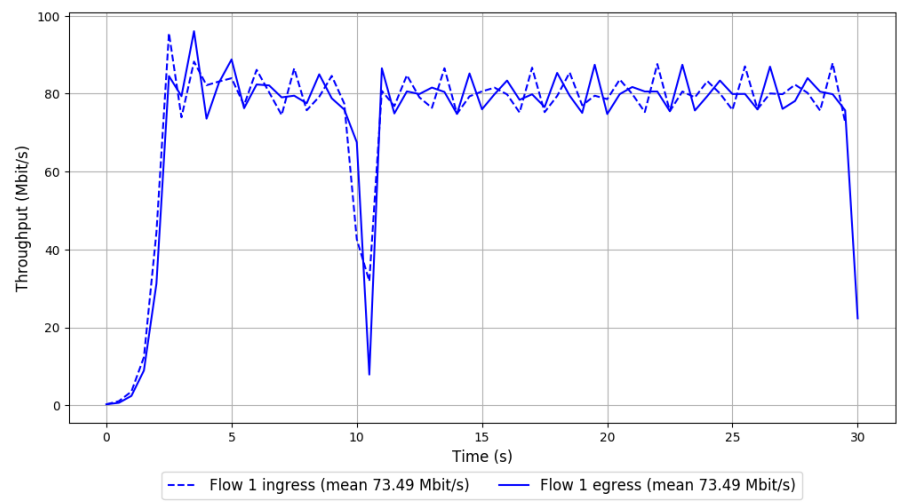
Average throughput: 73.49 Mbit/s

95th percentile per-packet one-way delay: 136.741 ms

Loss rate: 0.00%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-20 12:11:53

End at: 2018-02-20 12:12:23

# Below is generated by plot.py at 2018-02-20 15:44:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.08 Mbit/s

95th percentile per-packet one-way delay: 136.793 ms

Loss rate: 0.00%

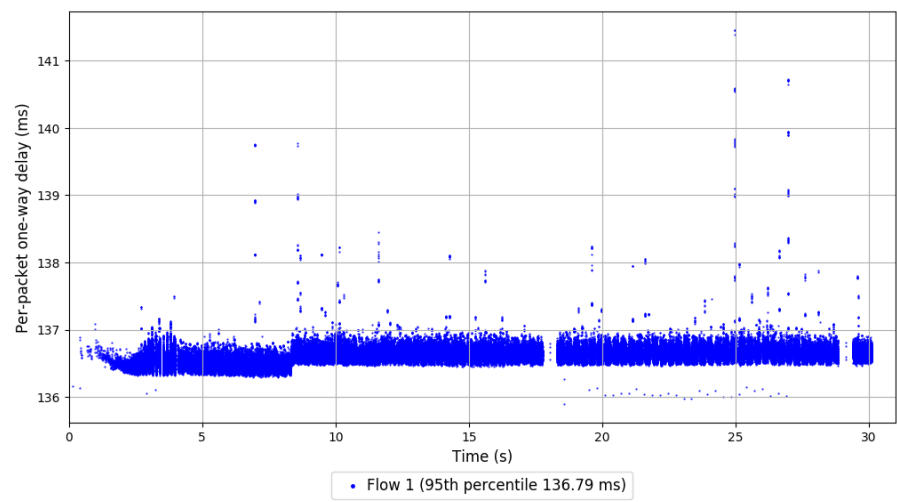
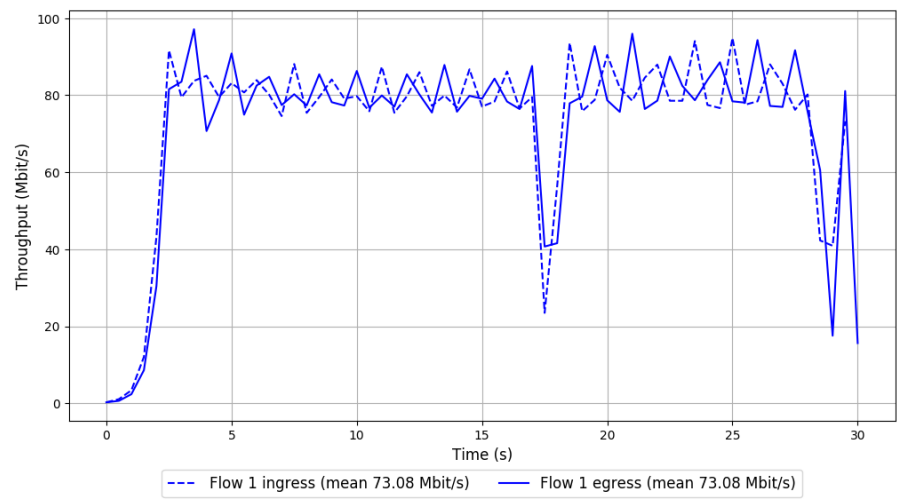
-- Flow 1:

Average throughput: 73.08 Mbit/s

95th percentile per-packet one-way delay: 136.793 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-20 12:27:59

End at: 2018-02-20 12:28:29

# Below is generated by plot.py at 2018-02-20 15:44:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.85 Mbit/s

95th percentile per-packet one-way delay: 135.008 ms

Loss rate: 0.00%

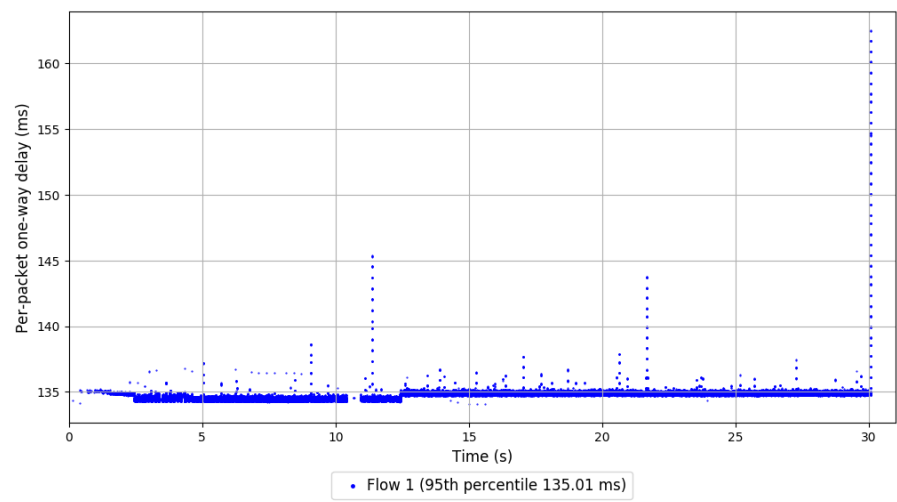
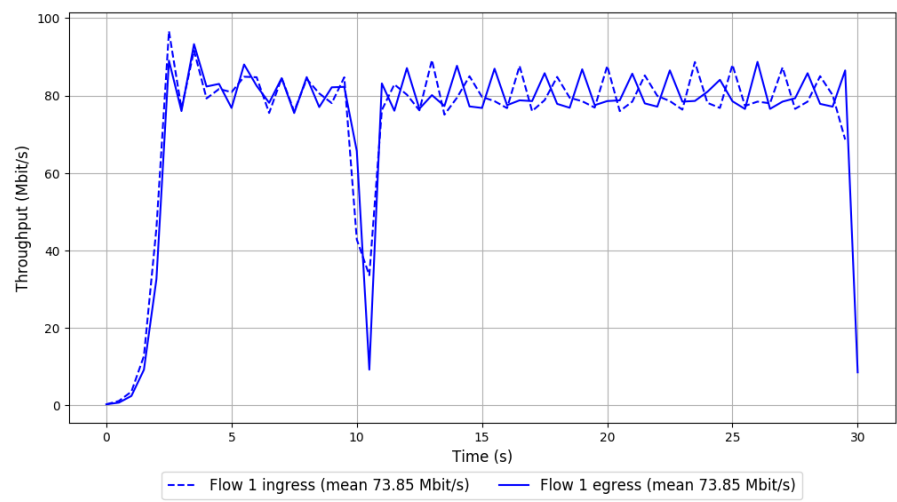
-- Flow 1:

Average throughput: 73.85 Mbit/s

95th percentile per-packet one-way delay: 135.008 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-20 12:44:14

End at: 2018-02-20 12:44:44

# Below is generated by plot.py at 2018-02-20 15:44:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.67 Mbit/s

95th percentile per-packet one-way delay: 135.080 ms

Loss rate: 0.00%

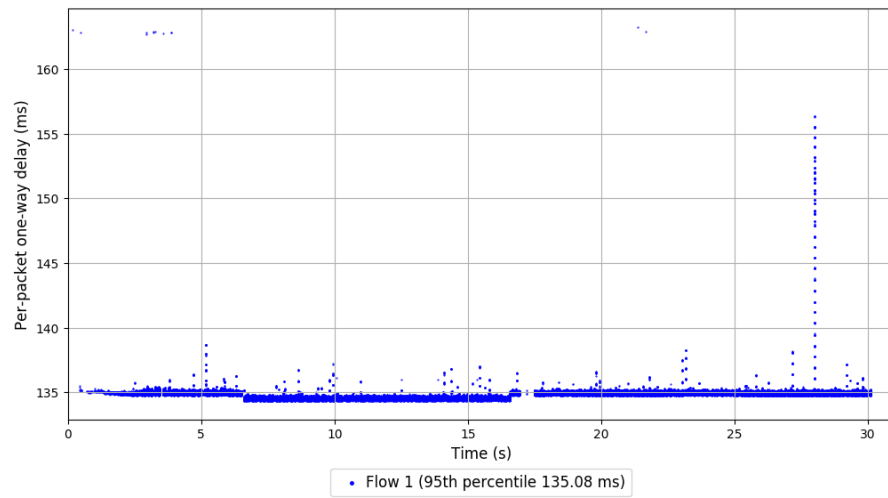
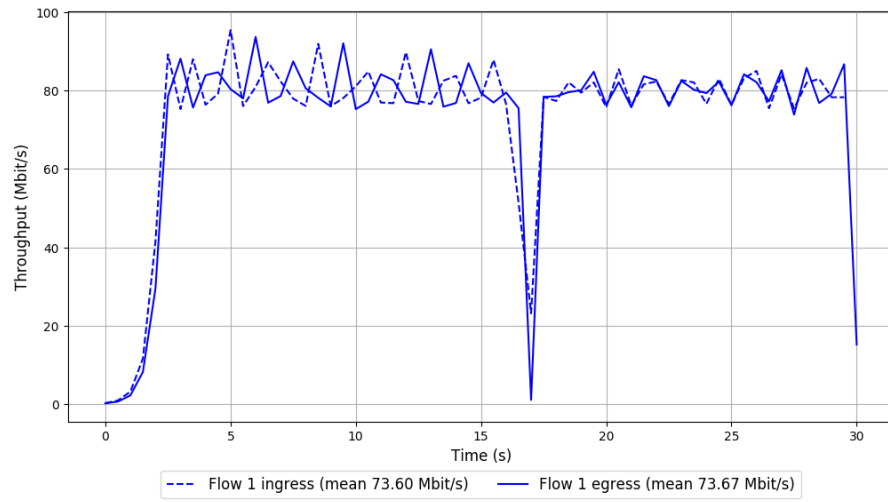
-- Flow 1:

Average throughput: 73.67 Mbit/s

95th percentile per-packet one-way delay: 135.080 ms

Loss rate: 0.00%

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



Run 5: Statistics of TCP BBR

Start at: 2018-02-20 13:00:33

End at: 2018-02-20 13:01:03

# Below is generated by plot.py at 2018-02-20 15:44:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.90 Mbit/s

95th percentile per-packet one-way delay: 135.108 ms

Loss rate: 0.00%

-- Flow 1:

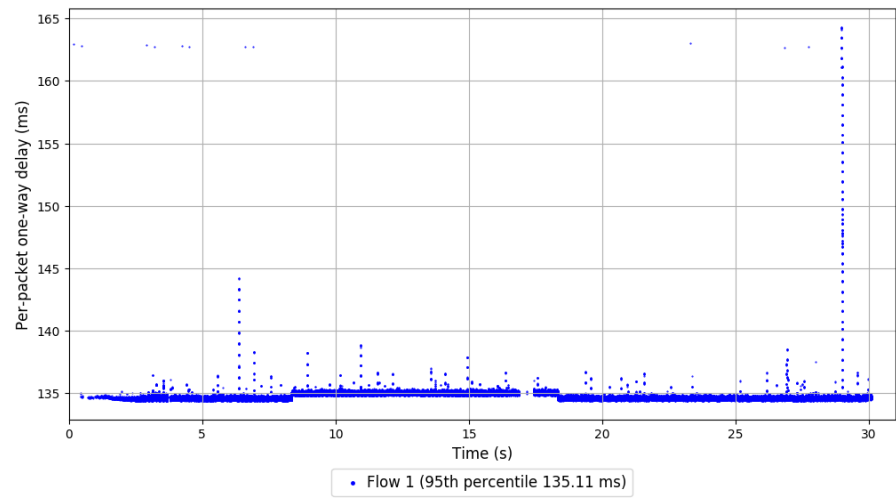
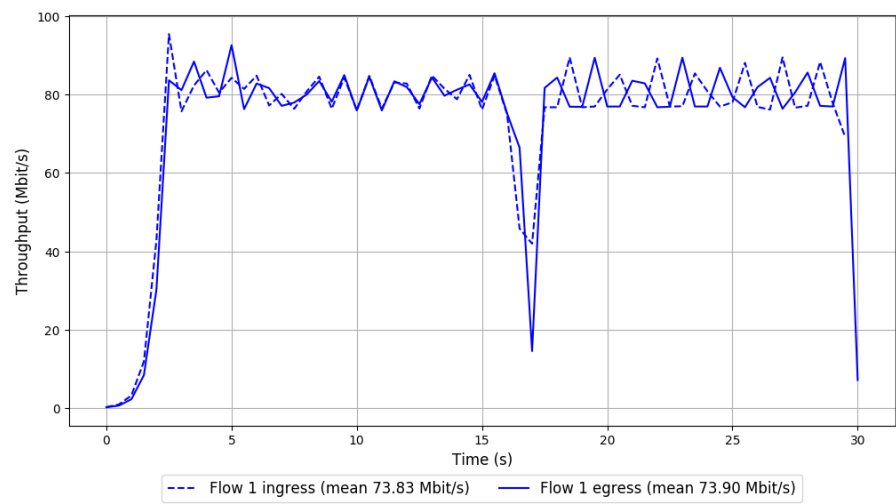
Average throughput: 73.90 Mbit/s

95th percentile per-packet one-way delay: 135.108 ms

Loss rate: 0.00%



Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-20 13:17:15

End at: 2018-02-20 13:17:45

# Below is generated by plot.py at 2018-02-20 15:44:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.83 Mbit/s

95th percentile per-packet one-way delay: 136.391 ms

Loss rate: 0.00%

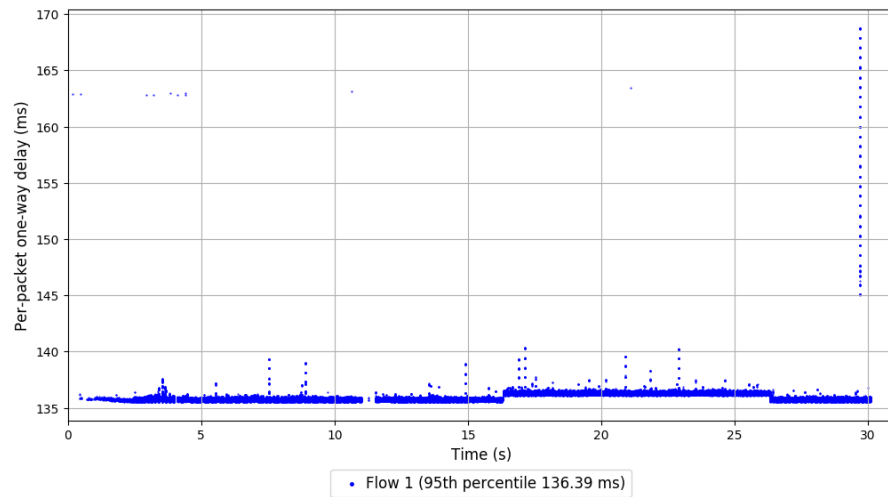
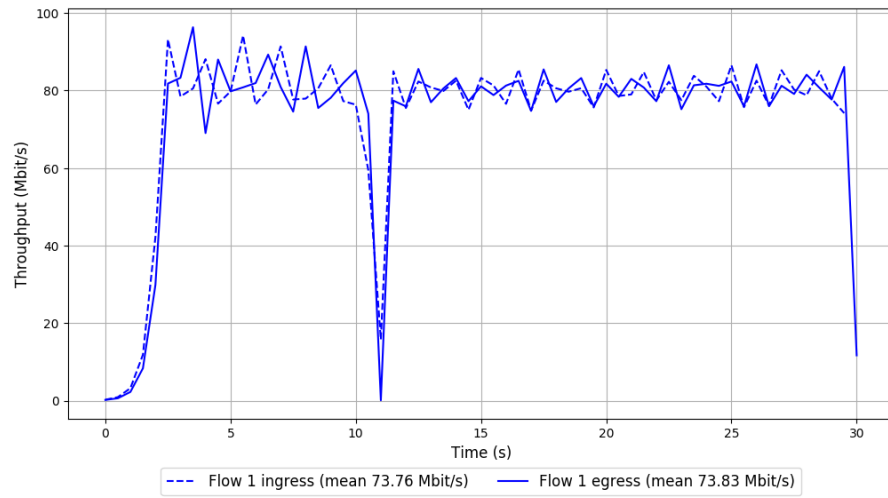
-- Flow 1:

Average throughput: 73.83 Mbit/s

95th percentile per-packet one-way delay: 136.391 ms

Loss rate: 0.00%

# Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-02-20 13:33:42

End at: 2018-02-20 13:34:12

# Below is generated by plot.py at 2018-02-20 15:44:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.26 Mbit/s

95th percentile per-packet one-way delay: 136.621 ms

Loss rate: 0.00%

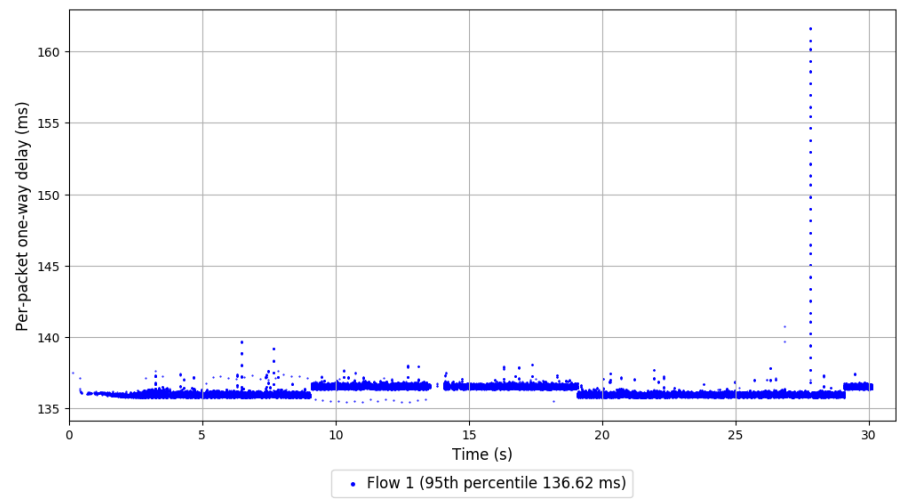
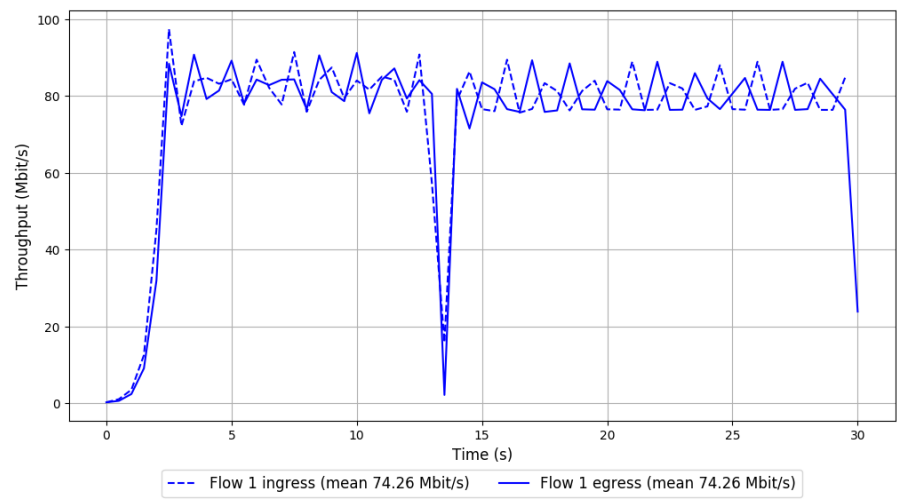
-- Flow 1:

Average throughput: 74.26 Mbit/s

95th percentile per-packet one-way delay: 136.621 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-02-20 13:50:11

End at: 2018-02-20 13:50:41

# Below is generated by plot.py at 2018-02-20 15:44:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.94 Mbit/s

95th percentile per-packet one-way delay: 136.624 ms

Loss rate: 0.00%

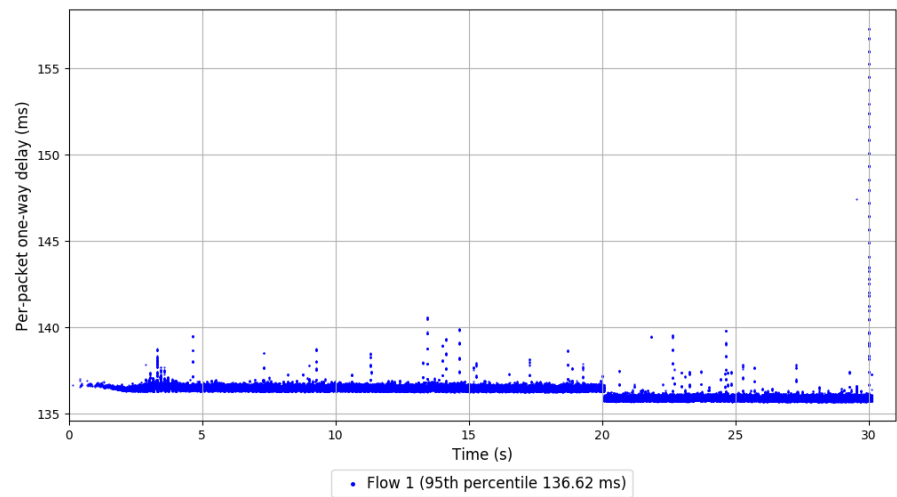
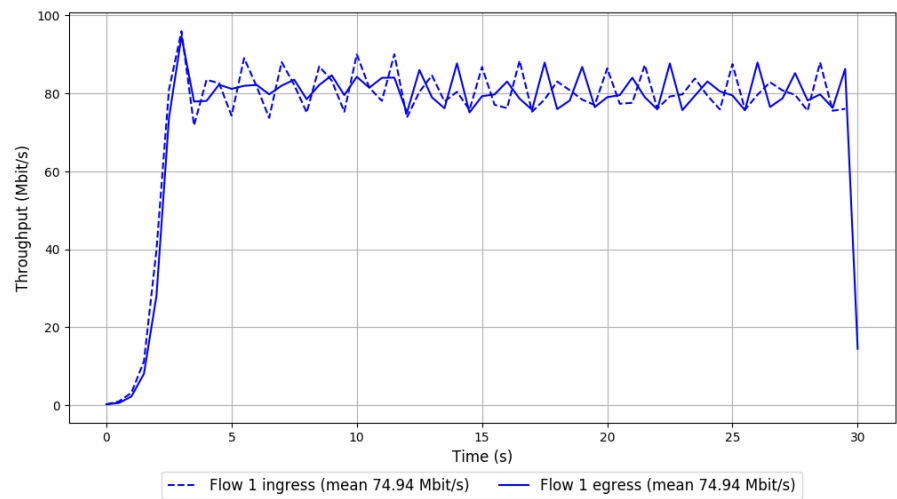
-- Flow 1:

Average throughput: 74.94 Mbit/s

95th percentile per-packet one-way delay: 136.624 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-20 14:06:30

End at: 2018-02-20 14:07:00

# Below is generated by plot.py at 2018-02-20 15:45:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.47 Mbit/s

95th percentile per-packet one-way delay: 136.186 ms

Loss rate: 0.00%

-- Flow 1:

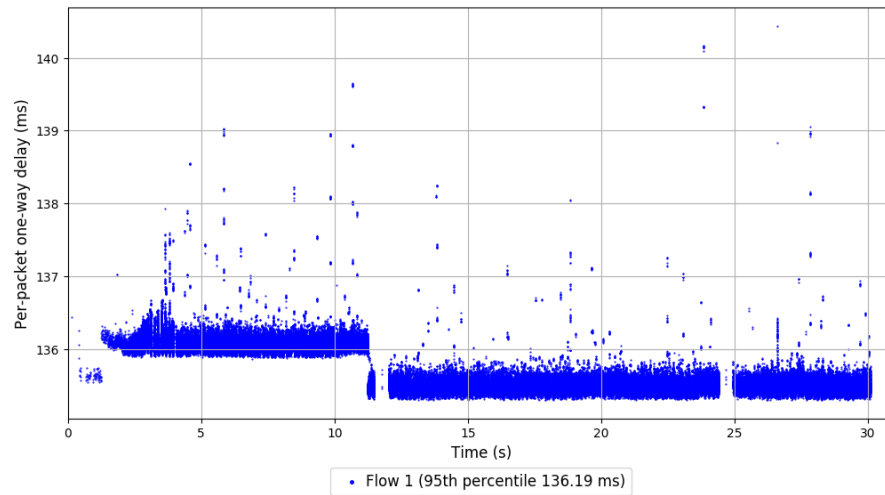
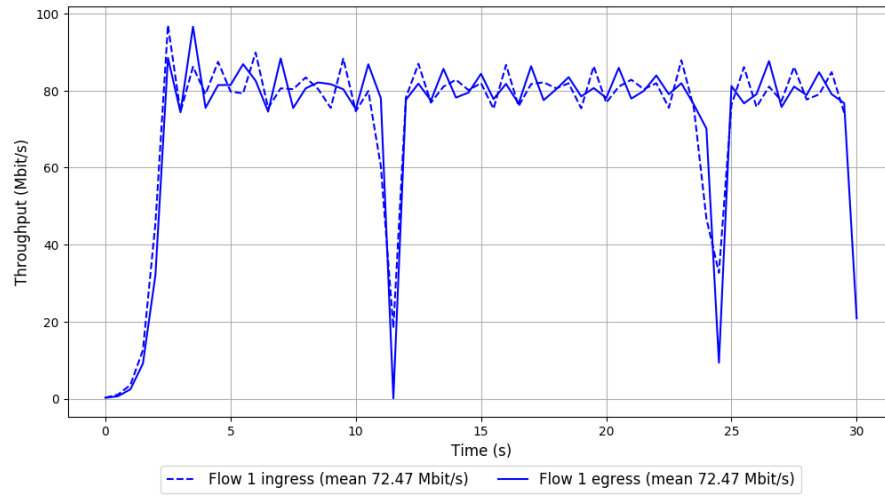
Average throughput: 72.47 Mbit/s

95th percentile per-packet one-way delay: 136.186 ms

Loss rate: 0.00%



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



Run 10: Statistics of TCP BBR

Start at: 2018-02-20 14:22:52

End at: 2018-02-20 14:23:22

# Below is generated by plot.py at 2018-02-20 15:45:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.39 Mbit/s

95th percentile per-packet one-way delay: 136.174 ms

Loss rate: 0.00%

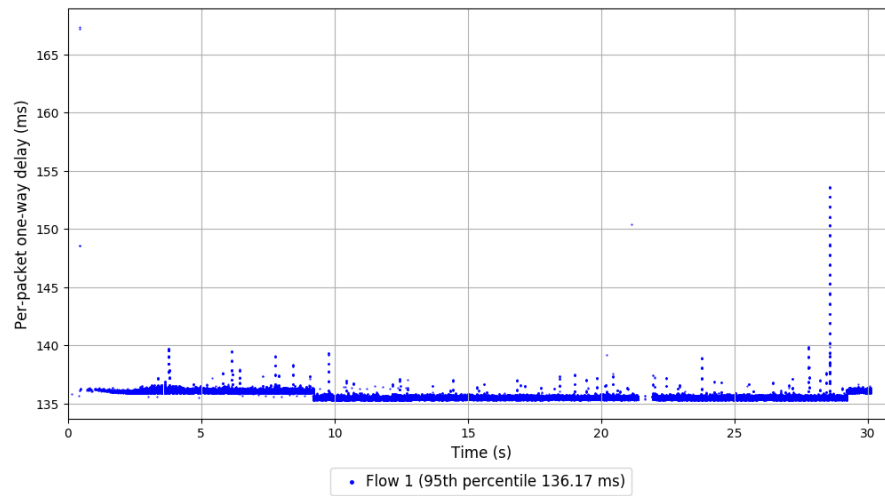
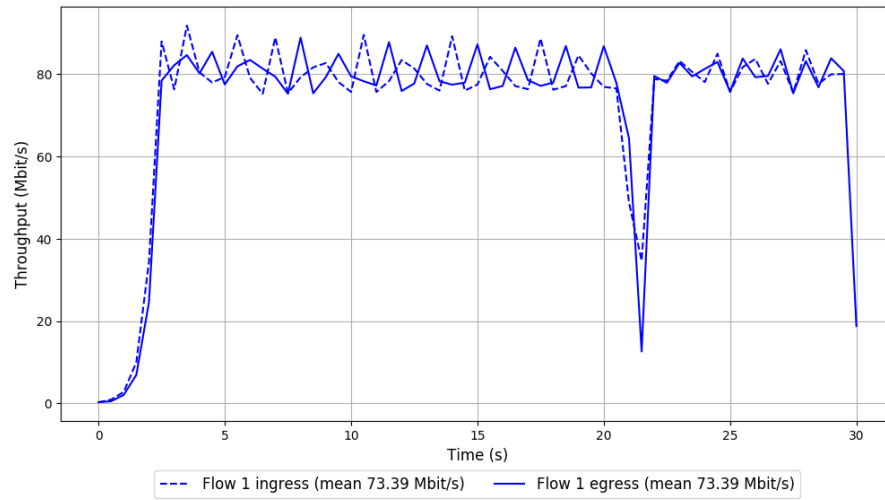
-- Flow 1:

Average throughput: 73.39 Mbit/s

95th percentile per-packet one-way delay: 136.174 ms

Loss rate: 0.00%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-20 12:02:29

End at: 2018-02-20 12:02:59

# Below is generated by plot.py at 2018-02-20 15:45:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.12 Mbit/s

95th percentile per-packet one-way delay: 140.505 ms

Loss rate: 0.00%

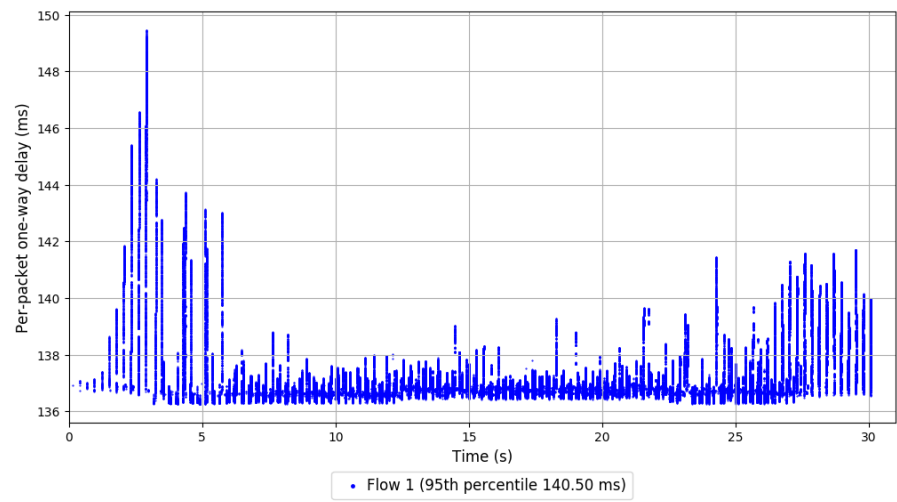
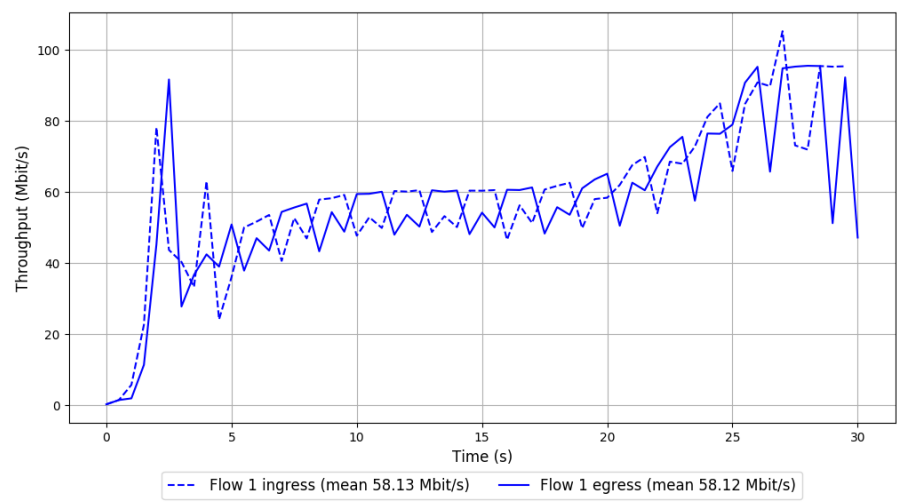
-- Flow 1:

Average throughput: 58.12 Mbit/s

95th percentile per-packet one-way delay: 140.505 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-02-20 12:18:27

End at: 2018-02-20 12:18:57

# Below is generated by plot.py at 2018-02-20 15:45:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 47.82 Mbit/s

95th percentile per-packet one-way delay: 138.059 ms

Loss rate: 0.00%

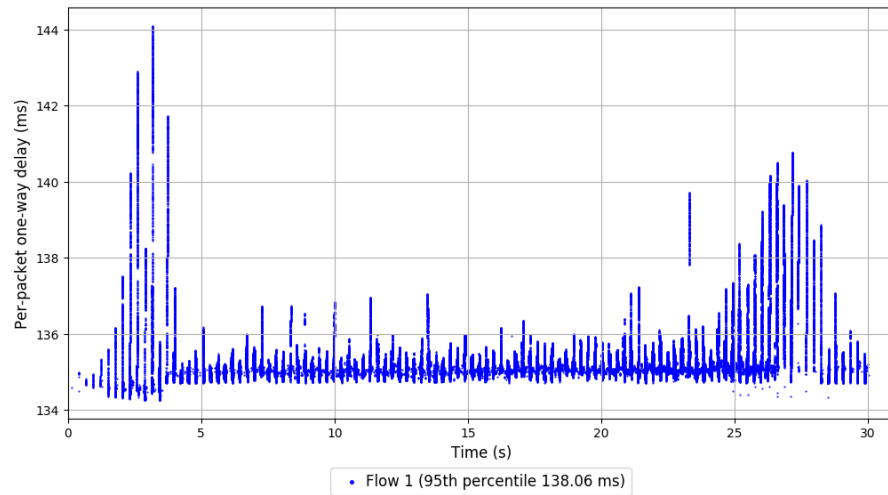
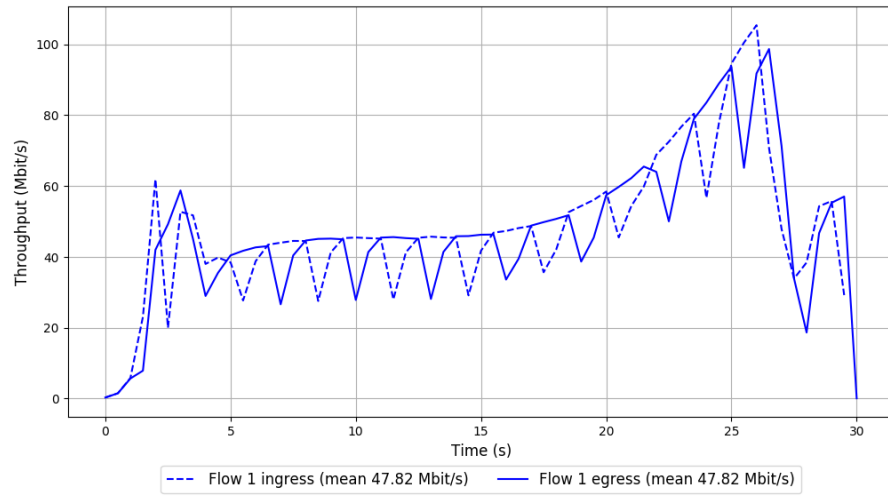
-- Flow 1:

Average throughput: 47.82 Mbit/s

95th percentile per-packet one-way delay: 138.059 ms

Loss rate: 0.00%

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



Run 3: Statistics of TCP Cubic

Start at: 2018-02-20 12:34:37

End at: 2018-02-20 12:35:07

# Below is generated by plot.py at 2018-02-20 15:45:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.36 Mbit/s

95th percentile per-packet one-way delay: 139.697 ms

Loss rate: 0.00%

-- Flow 1:

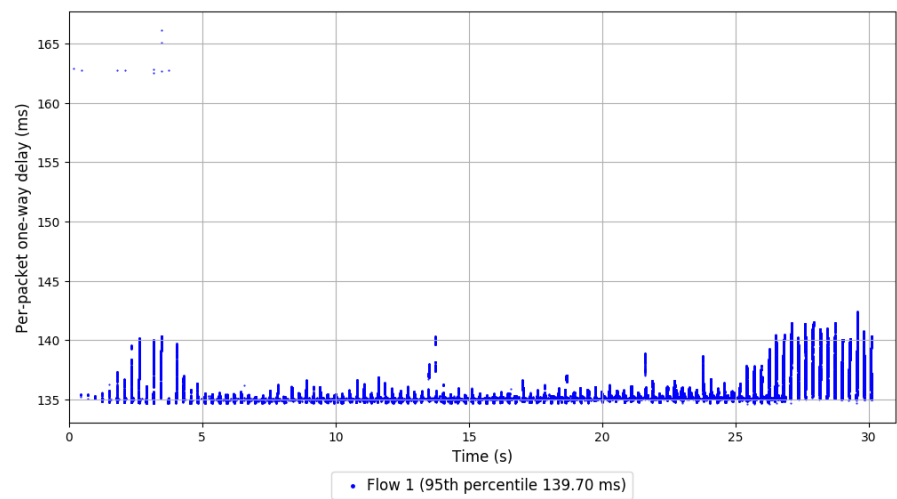
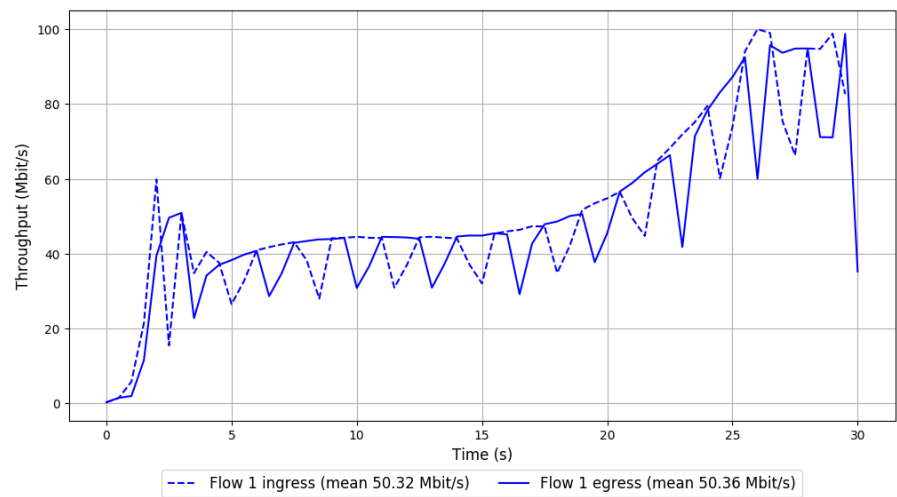
Average throughput: 50.36 Mbit/s

95th percentile per-packet one-way delay: 139.697 ms

Loss rate: 0.00%



Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-02-20 12:50:56

End at: 2018-02-20 12:51:26

# Below is generated by plot.py at 2018-02-20 15:45:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.69 Mbit/s

95th percentile per-packet one-way delay: 138.072 ms

Loss rate: 0.00%

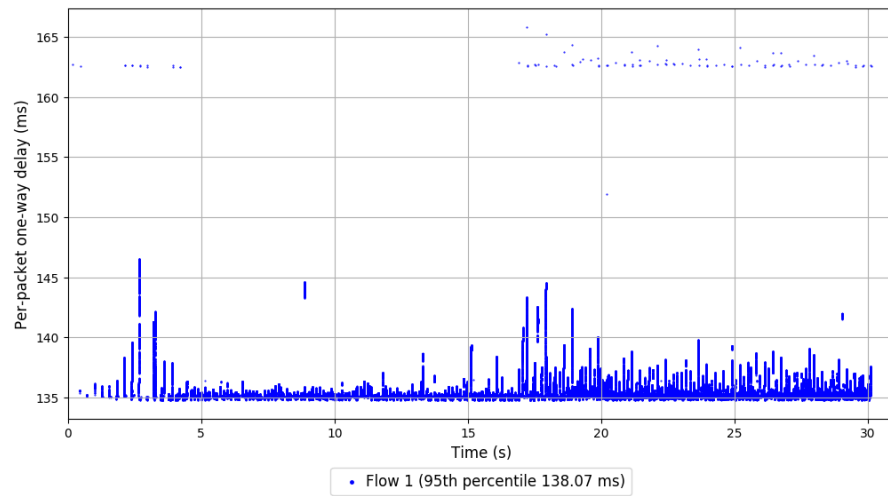
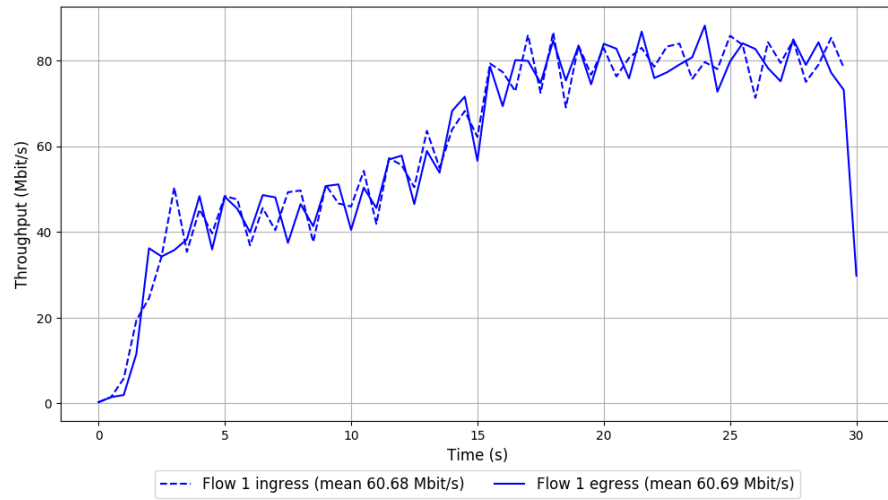
-- Flow 1:

Average throughput: 60.69 Mbit/s

95th percentile per-packet one-way delay: 138.072 ms

Loss rate: 0.00%

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



Run 5: Statistics of TCP Cubic

Start at: 2018-02-20 13:07:30

End at: 2018-02-20 13:08:00

# Below is generated by plot.py at 2018-02-20 15:45:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.64 Mbit/s

95th percentile per-packet one-way delay: 137.603 ms

Loss rate: 0.00%

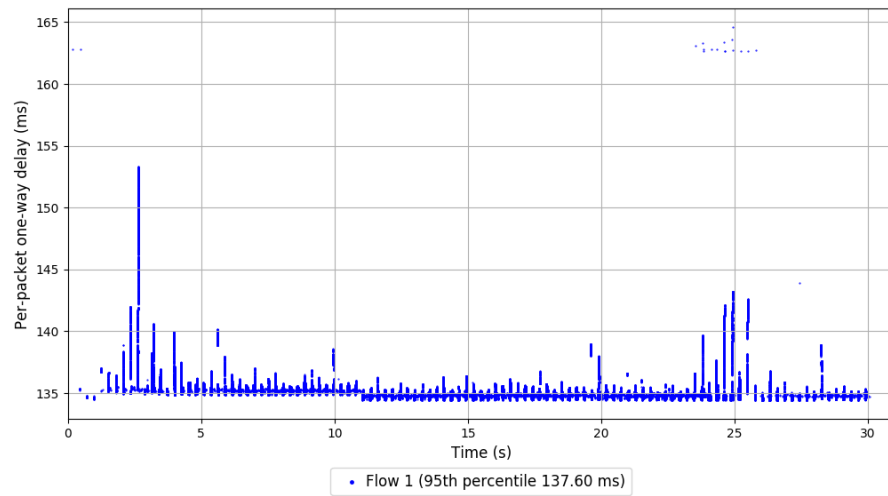
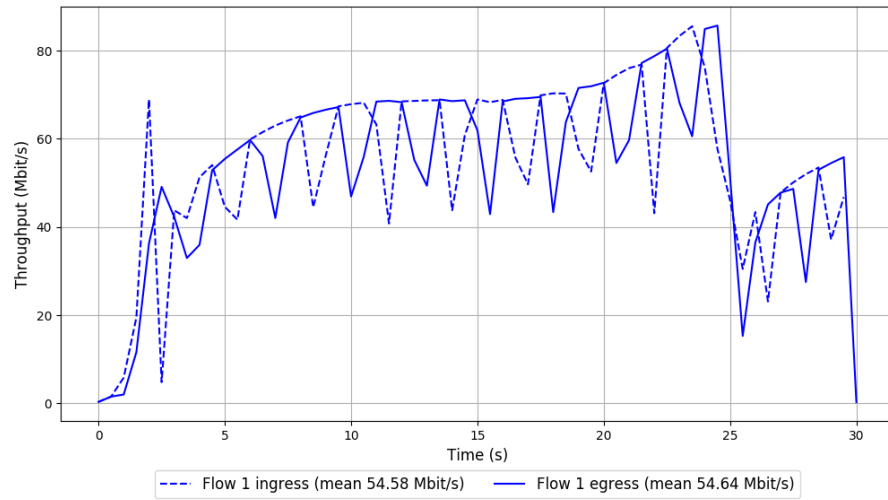
-- Flow 1:

Average throughput: 54.64 Mbit/s

95th percentile per-packet one-way delay: 137.603 ms

Loss rate: 0.00%

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



Run 6: Statistics of TCP Cubic

Start at: 2018-02-20 13:24:06

End at: 2018-02-20 13:24:36

# Below is generated by plot.py at 2018-02-20 15:45:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 49.27 Mbit/s

95th percentile per-packet one-way delay: 140.375 ms

Loss rate: 0.00%

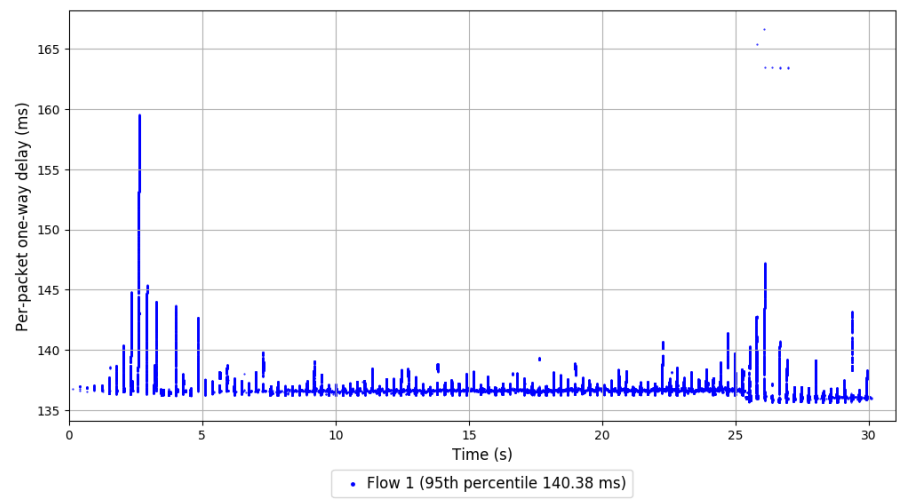
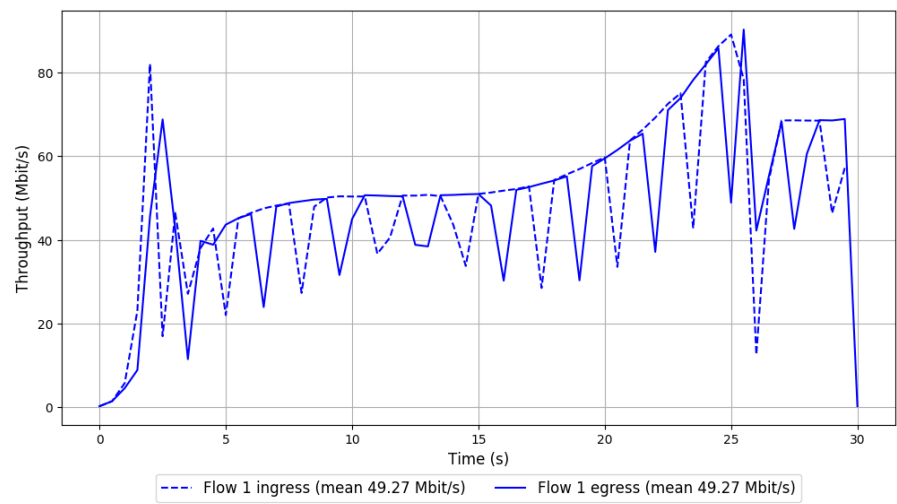
-- Flow 1:

Average throughput: 49.27 Mbit/s

95th percentile per-packet one-way delay: 140.375 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-20 13:40:32

End at: 2018-02-20 13:41:02

# Below is generated by plot.py at 2018-02-20 15:46:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 44.83 Mbit/s

95th percentile per-packet one-way delay: 139.693 ms

Loss rate: 0.00%

-- Flow 1:

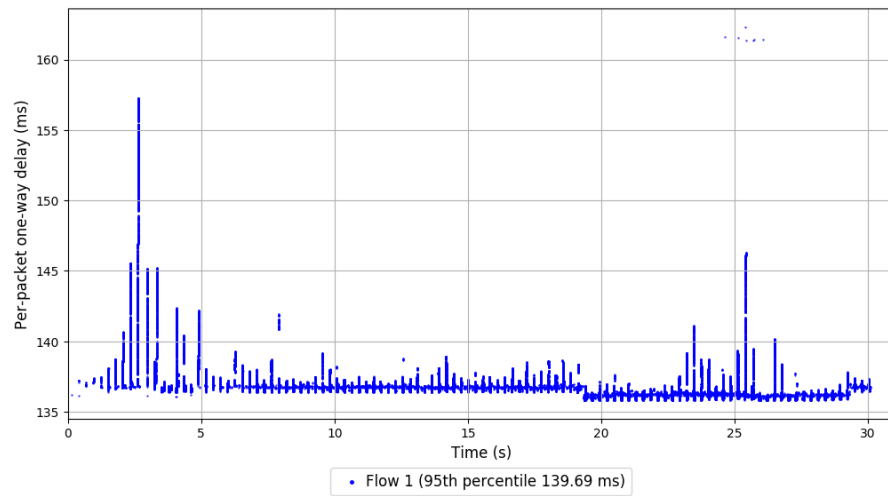
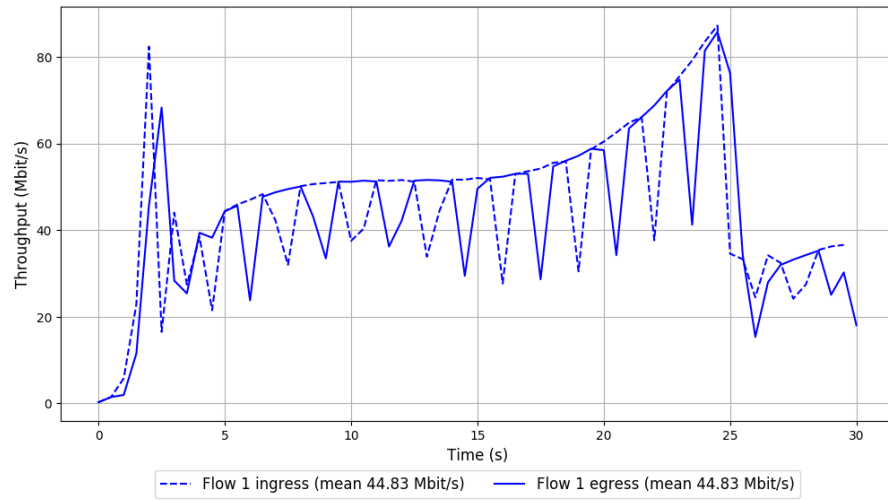
Average throughput: 44.83 Mbit/s

95th percentile per-packet one-way delay: 139.693 ms

Loss rate: 0.00%



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



Run 8: Statistics of TCP Cubic

Start at: 2018-02-20 13:56:47

End at: 2018-02-20 13:57:17

# Below is generated by plot.py at 2018-02-20 15:46:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 49.35 Mbit/s

95th percentile per-packet one-way delay: 139.647 ms

Loss rate: 0.00%

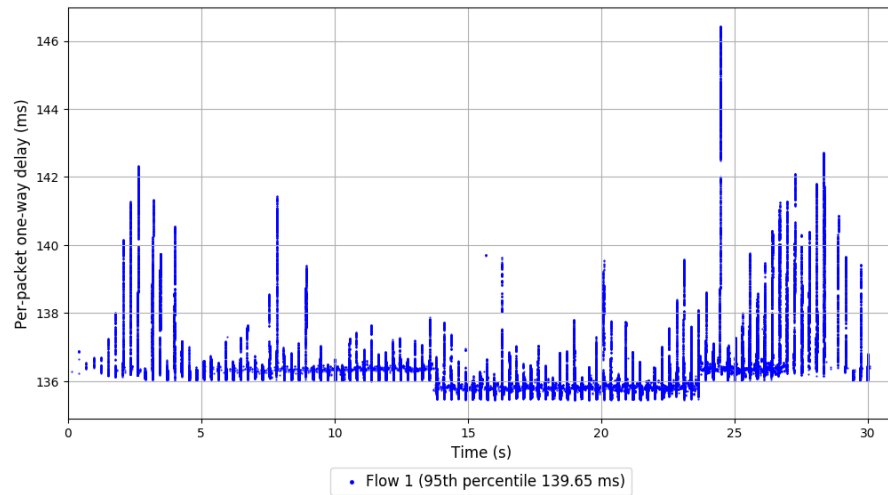
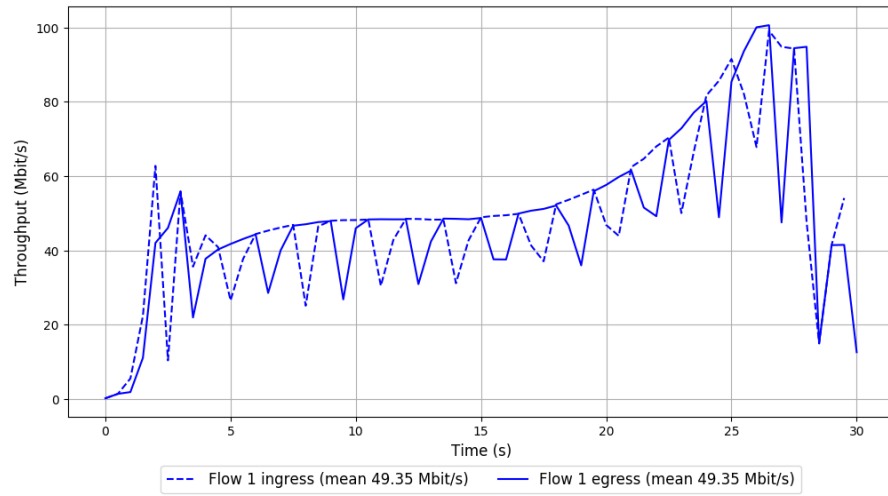
-- Flow 1:

Average throughput: 49.35 Mbit/s

95th percentile per-packet one-way delay: 139.647 ms

Loss rate: 0.00%

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



Run 9: Statistics of TCP Cubic

Start at: 2018-02-20 14:13:22

End at: 2018-02-20 14:13:52

# Below is generated by plot.py at 2018-02-20 15:46:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.07 Mbit/s

95th percentile per-packet one-way delay: 140.129 ms

Loss rate: 0.00%

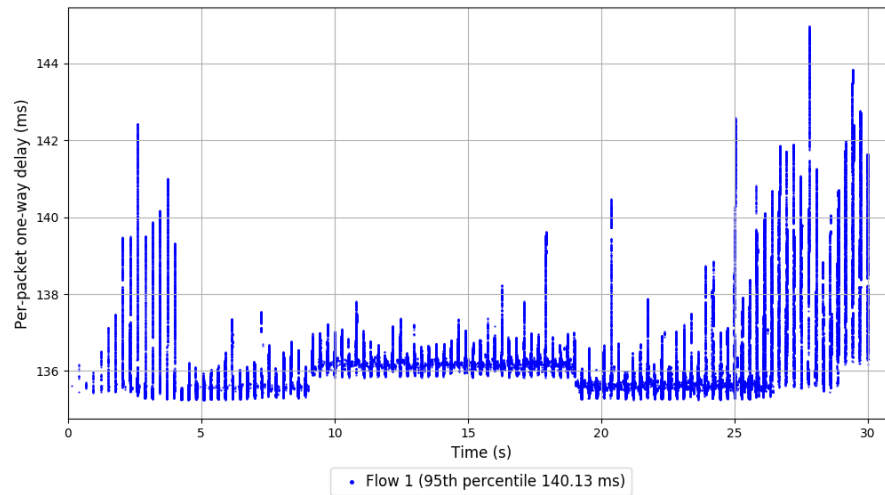
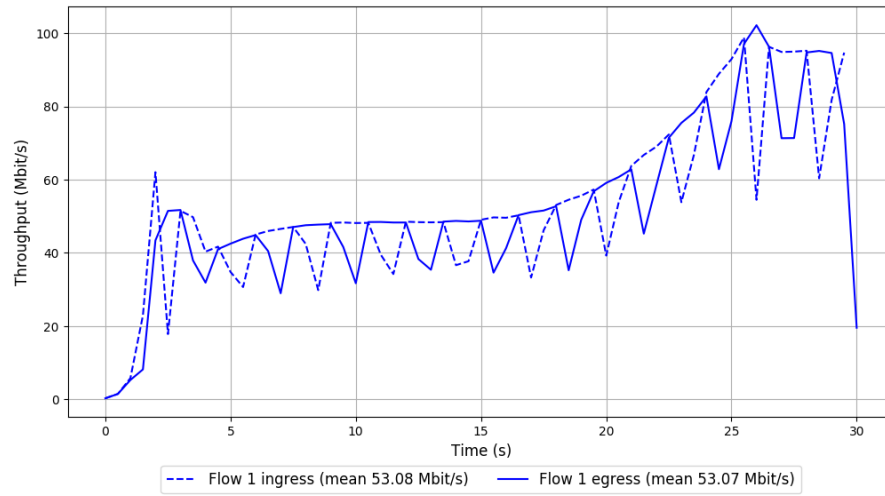
-- Flow 1:

Average throughput: 53.07 Mbit/s

95th percentile per-packet one-way delay: 140.129 ms

Loss rate: 0.00%

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



Run 10: Statistics of TCP Cubic

Start at: 2018-02-20 14:29:39

End at: 2018-02-20 14:30:09

# Below is generated by plot.py at 2018-02-20 15:46:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.11 Mbit/s

95th percentile per-packet one-way delay: 140.707 ms

Loss rate: 0.00%

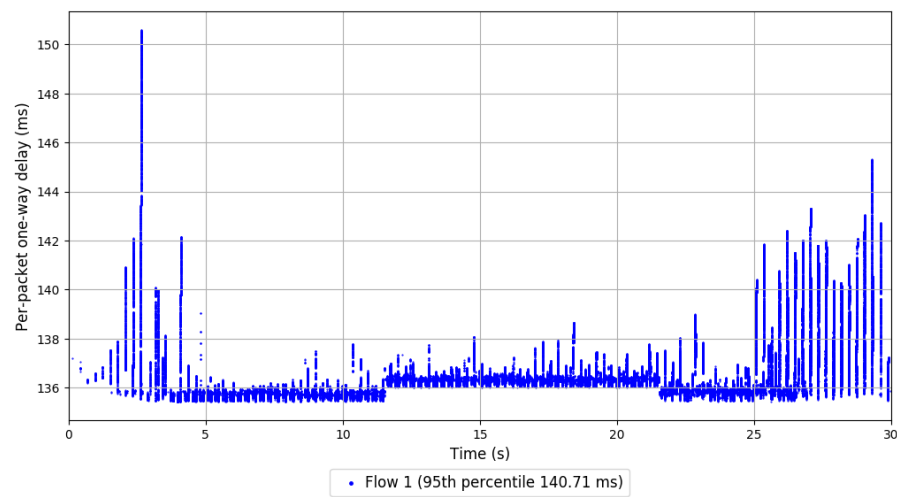
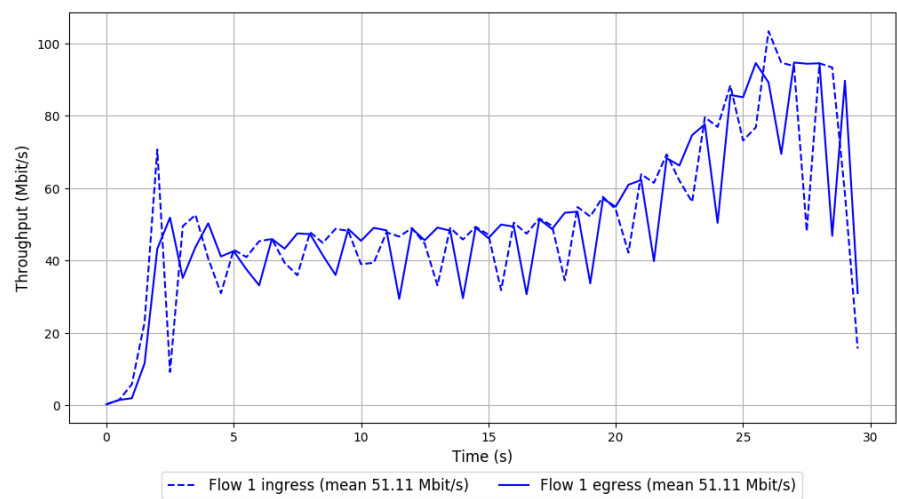
-- Flow 1:

Average throughput: 51.11 Mbit/s

95th percentile per-packet one-way delay: 140.707 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



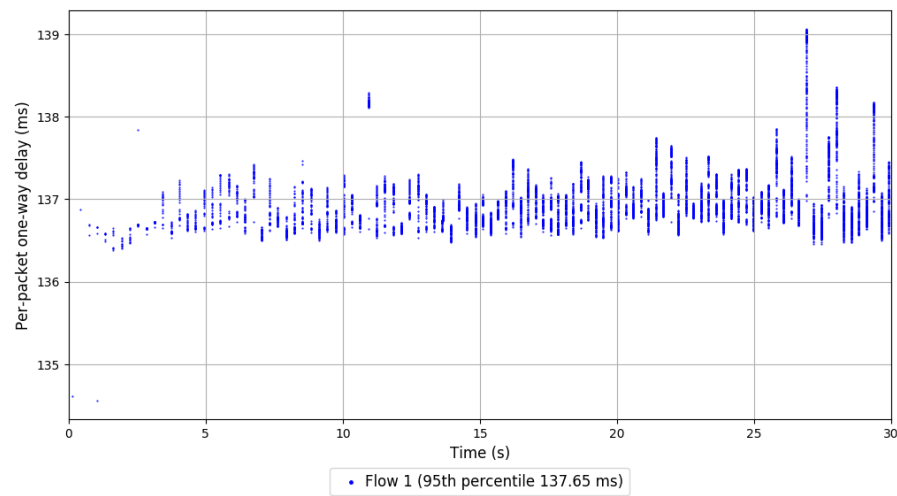
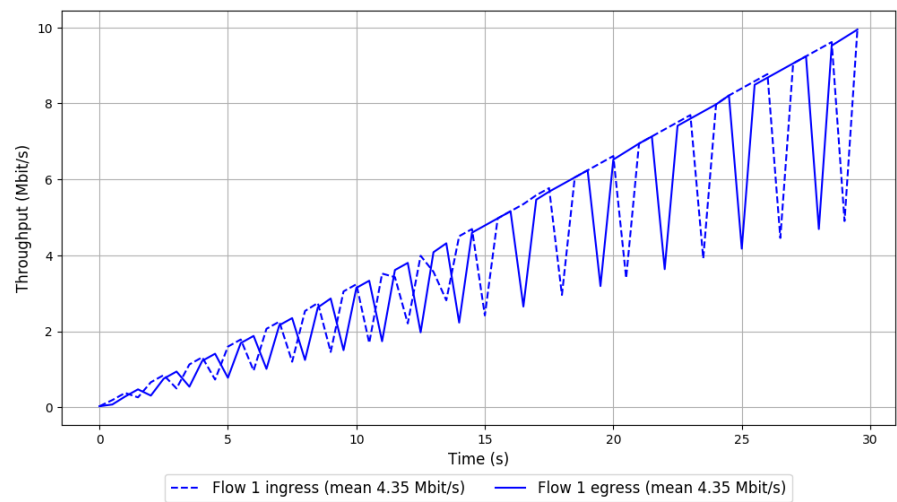
```
Run 1: Statistics of LEDBAT

Start at: 2018-02-20 11:59:01
End at: 2018-02-20 11:59:31

# Below is generated by plot.py at 2018-02-20 15:46:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 137.650 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 137.650 ms
Loss rate: 0.00%
```



Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-02-20 12:14:56

End at: 2018-02-20 12:15:26

# Below is generated by plot.py at 2018-02-20 15:46:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.71 Mbit/s

95th percentile per-packet one-way delay: 137.844 ms

Loss rate: 0.00%

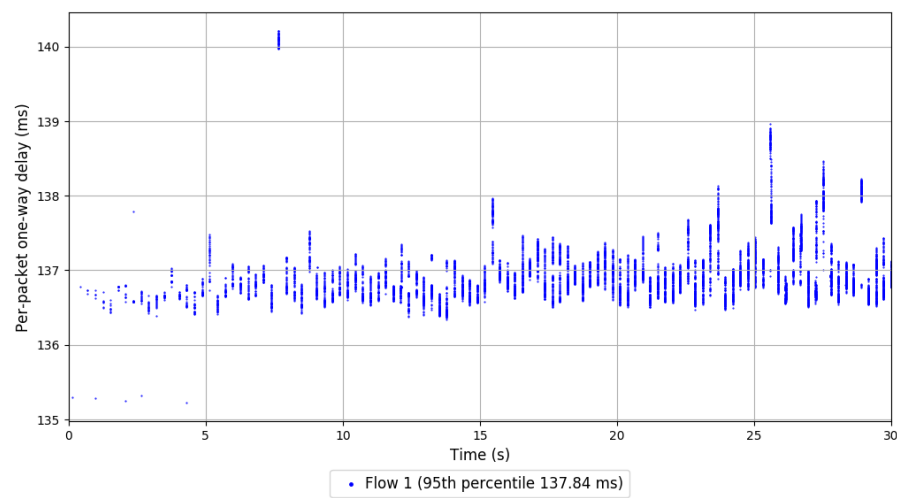
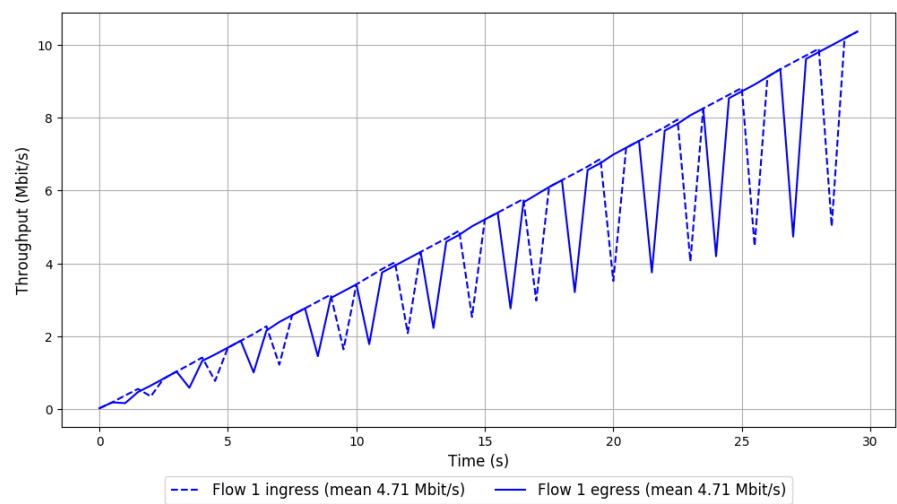
-- Flow 1:

Average throughput: 4.71 Mbit/s

95th percentile per-packet one-way delay: 137.844 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-02-20 12:31:06

End at: 2018-02-20 12:31:36

# Below is generated by plot.py at 2018-02-20 15:46:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 135.868 ms

Loss rate: 0.00%

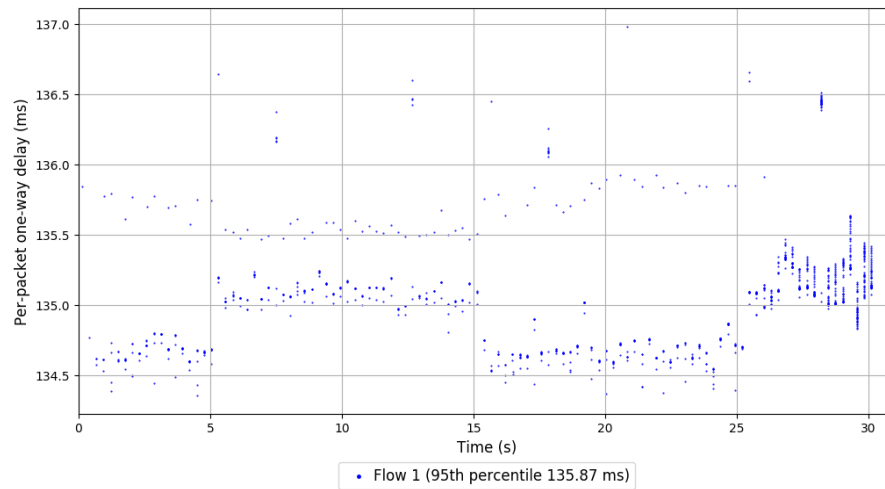
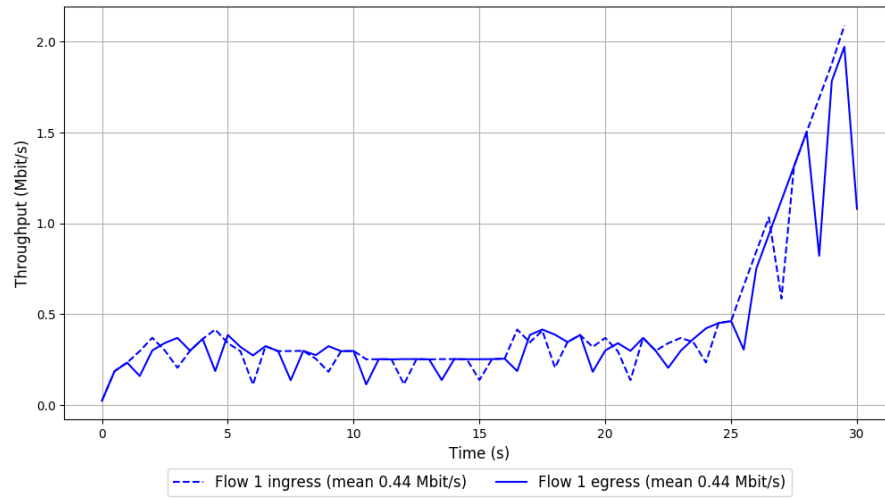
-- Flow 1:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 135.868 ms

Loss rate: 0.00%

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



Run 4: Statistics of LEDBAT

Start at: 2018-02-20 12:47:23

End at: 2018-02-20 12:47:53

# Below is generated by plot.py at 2018-02-20 15:46:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.03 Mbit/s

95th percentile per-packet one-way delay: 136.227 ms

Loss rate: 0.00%

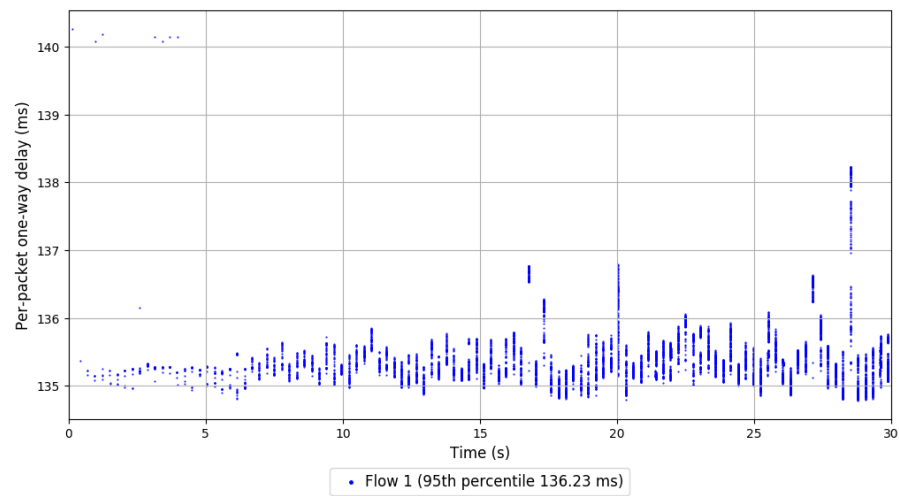
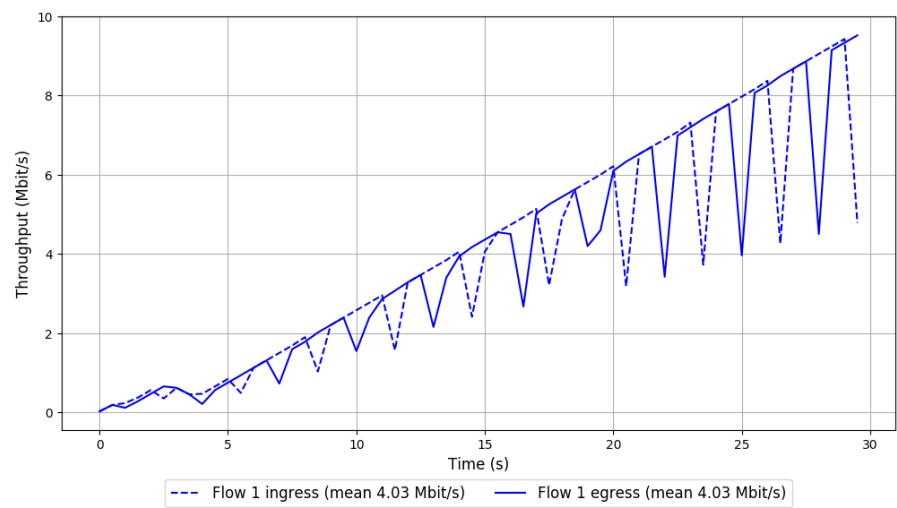
-- Flow 1:

Average throughput: 4.03 Mbit/s

95th percentile per-packet one-way delay: 136.227 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-20 13:03:58

End at: 2018-02-20 13:04:28

# Below is generated by plot.py at 2018-02-20 15:46:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 136.072 ms

Loss rate: 0.00%

-- Flow 1:

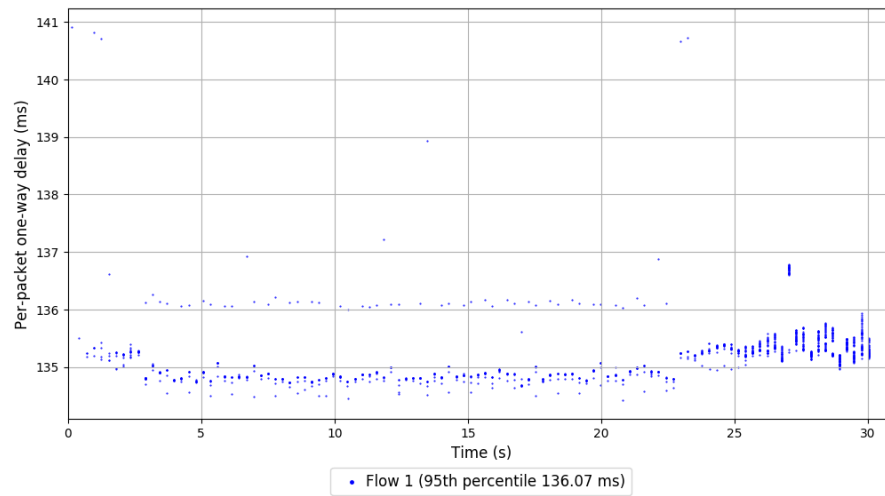
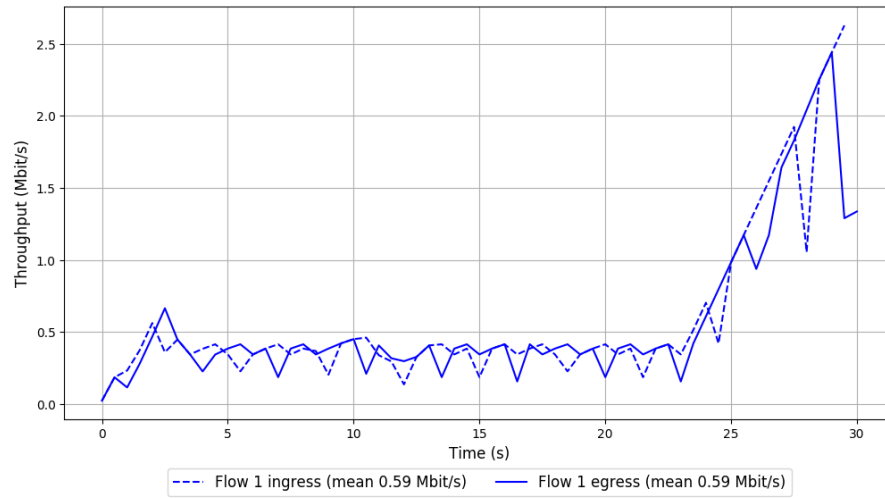
Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 136.072 ms

Loss rate: 0.00%



## Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-20 13:20:34

End at: 2018-02-20 13:21:04

# Below is generated by plot.py at 2018-02-20 15:46:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.74 Mbit/s

95th percentile per-packet one-way delay: 137.163 ms

Loss rate: 0.00%

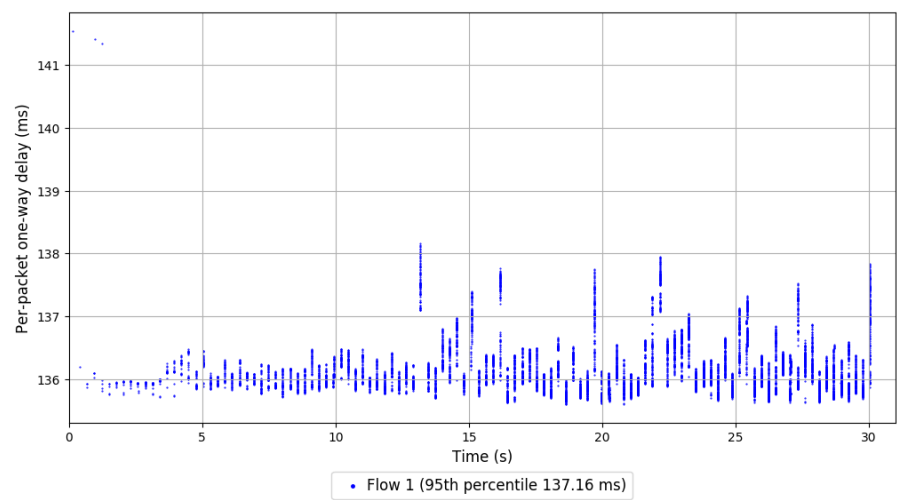
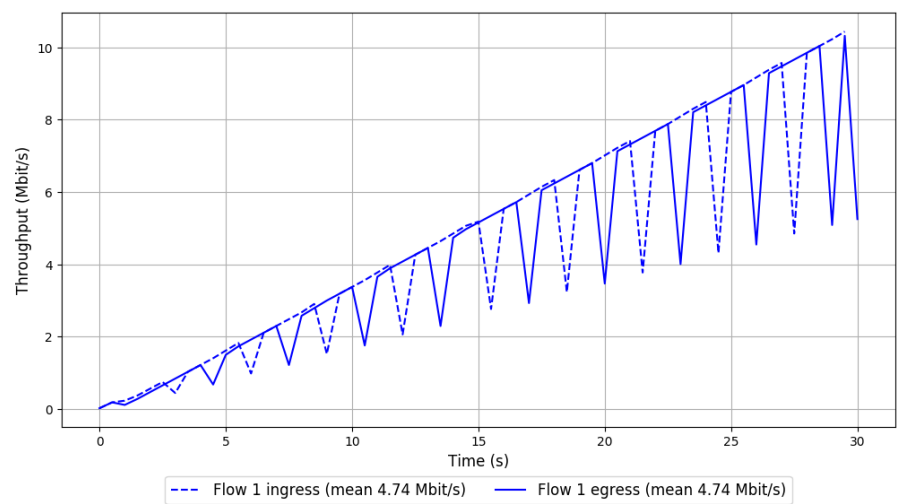
-- Flow 1:

Average throughput: 4.74 Mbit/s

95th percentile per-packet one-way delay: 137.163 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-02-20 13:36:59

End at: 2018-02-20 13:37:29

# Below is generated by plot.py at 2018-02-20 15:46:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.58 Mbit/s

95th percentile per-packet one-way delay: 137.317 ms

Loss rate: 0.00%

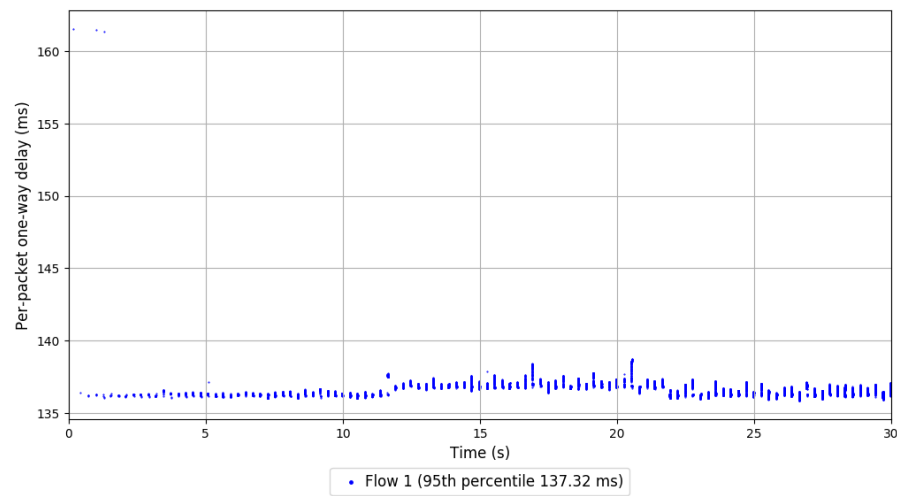
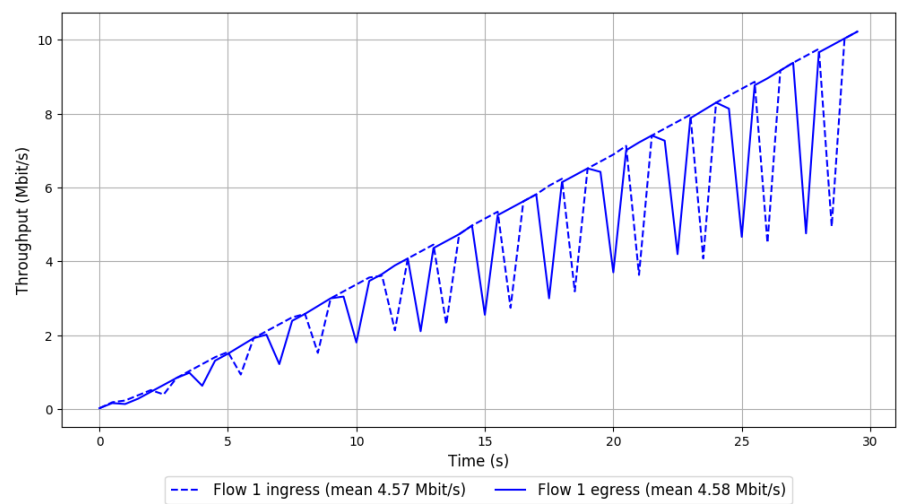
-- Flow 1:

Average throughput: 4.58 Mbit/s

95th percentile per-packet one-way delay: 137.317 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-02-20 13:53:15

End at: 2018-02-20 13:53:45

# Below is generated by plot.py at 2018-02-20 15:46:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 136.510 ms

Loss rate: 0.00%

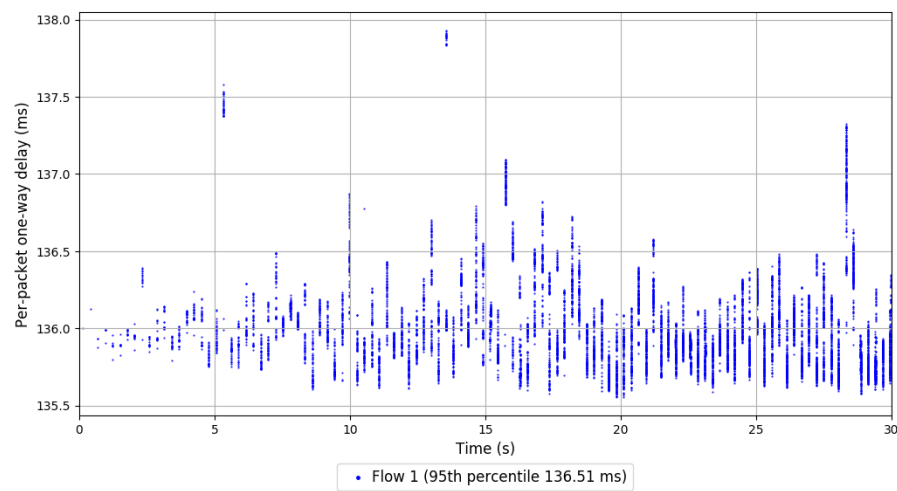
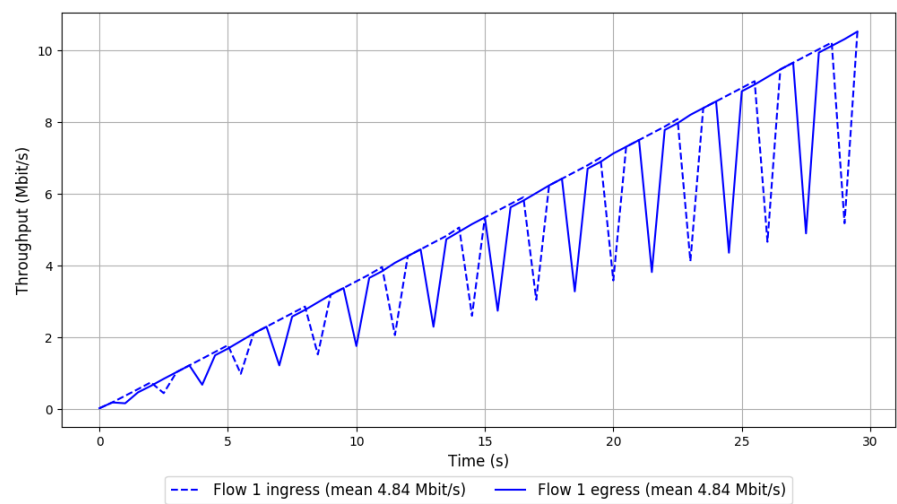
-- Flow 1:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 136.510 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-20 14:09:49

End at: 2018-02-20 14:10:19

# Below is generated by plot.py at 2018-02-20 15:46:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 136.788 ms

Loss rate: 0.00%

-- Flow 1:

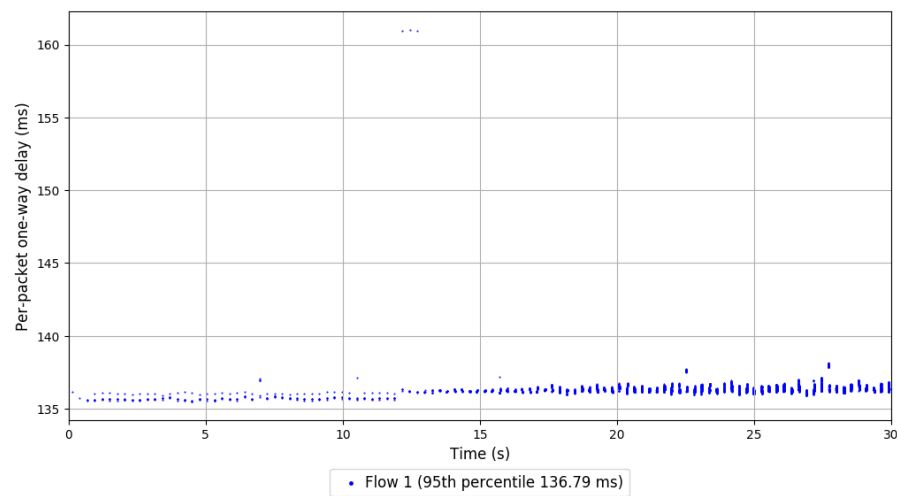
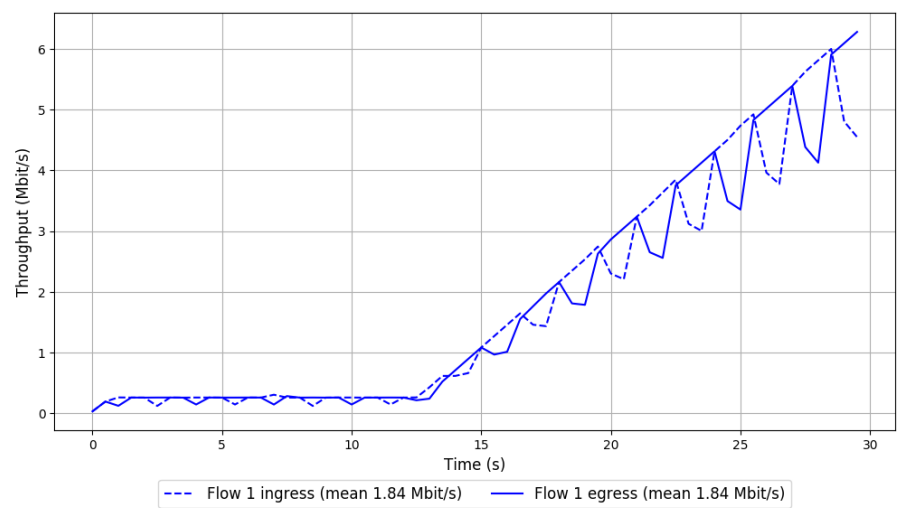
Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 136.788 ms

Loss rate: 0.00%



Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-20 14:26:07

End at: 2018-02-20 14:26:37

# Below is generated by plot.py at 2018-02-20 15:46:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 137.008 ms

Loss rate: 0.00%

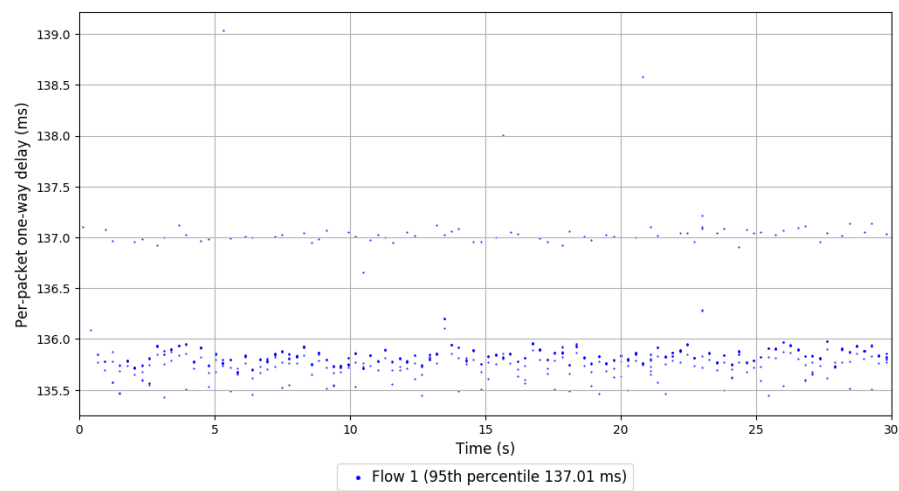
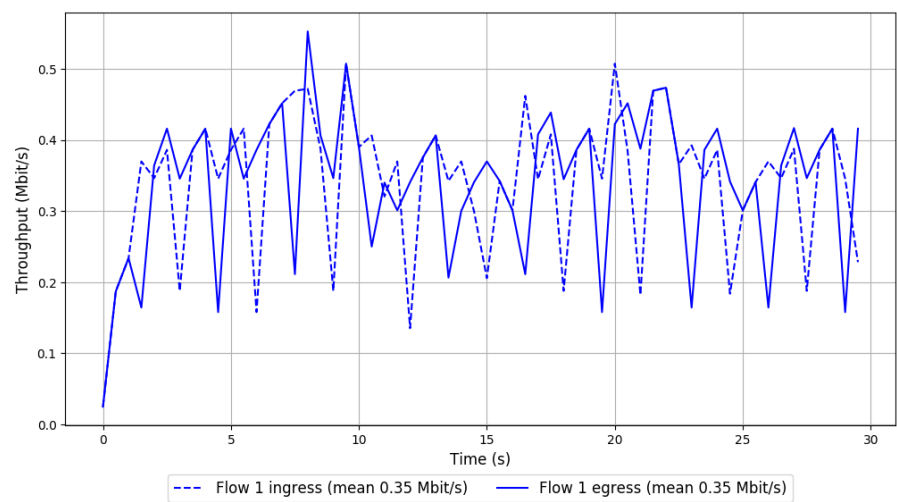
-- Flow 1:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 137.008 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

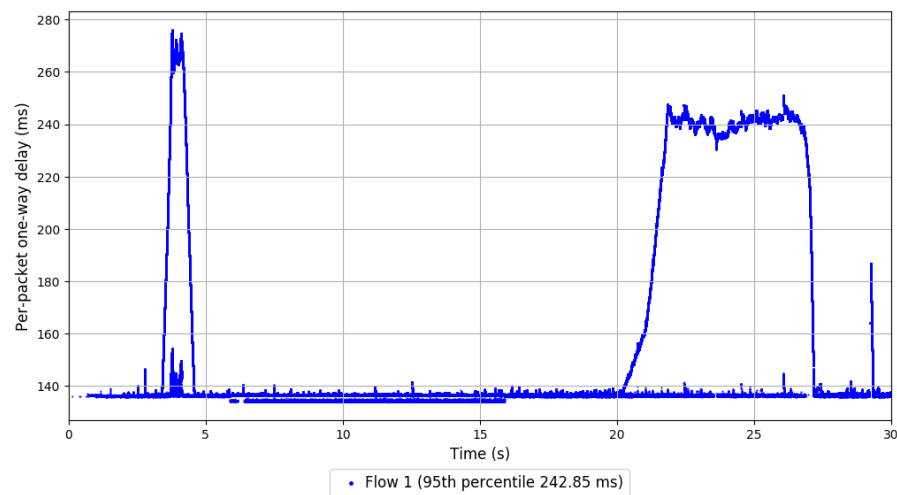
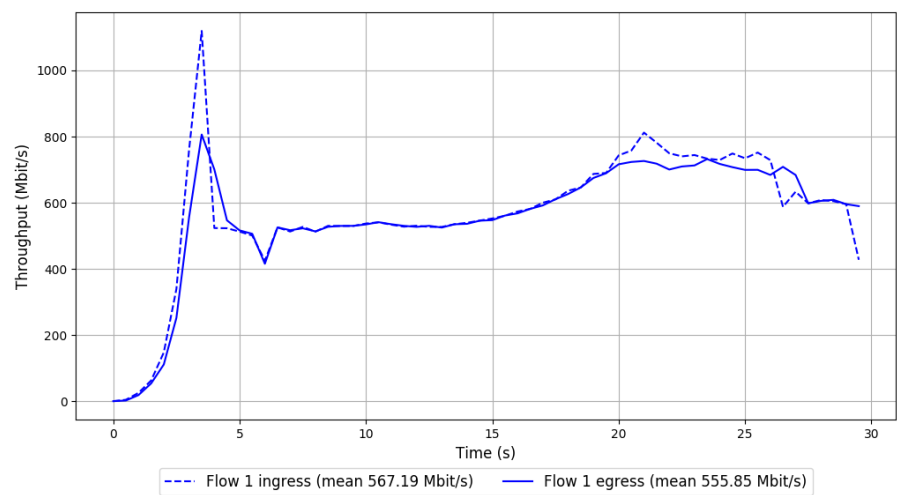


```
Run 1: Statistics of PCC

Start at: 2018-02-20 11:48:55
End at: 2018-02-20 11:49:25

# Below is generated by plot.py at 2018-02-20 15:55:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 555.85 Mbit/s
95th percentile per-packet one-way delay: 242.852 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 555.85 Mbit/s
95th percentile per-packet one-way delay: 242.852 ms
Loss rate: 2.00%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-02-20 12:04:56

End at: 2018-02-20 12:05:26

# Below is generated by plot.py at 2018-02-20 15:55:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 568.28 Mbit/s

95th percentile per-packet one-way delay: 162.938 ms

Loss rate: 1.08%

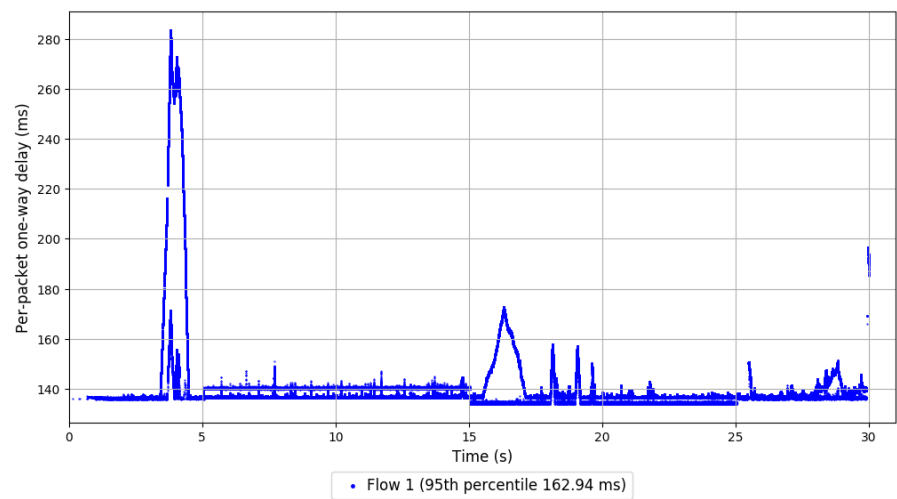
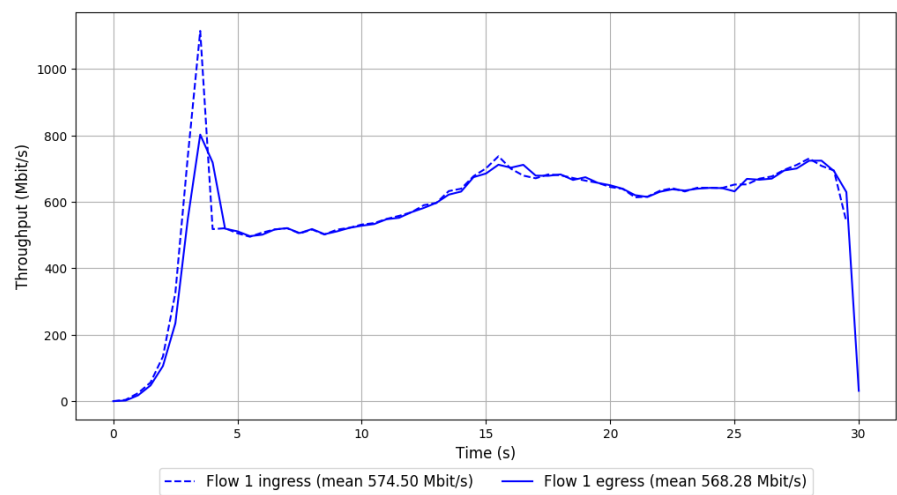
-- Flow 1:

Average throughput: 568.28 Mbit/s

95th percentile per-packet one-way delay: 162.938 ms

Loss rate: 1.08%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-20 12:20:54

End at: 2018-02-20 12:21:24

# Below is generated by plot.py at 2018-02-20 15:55:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 579.58 Mbit/s

95th percentile per-packet one-way delay: 168.870 ms

Loss rate: 0.91%

-- Flow 1:

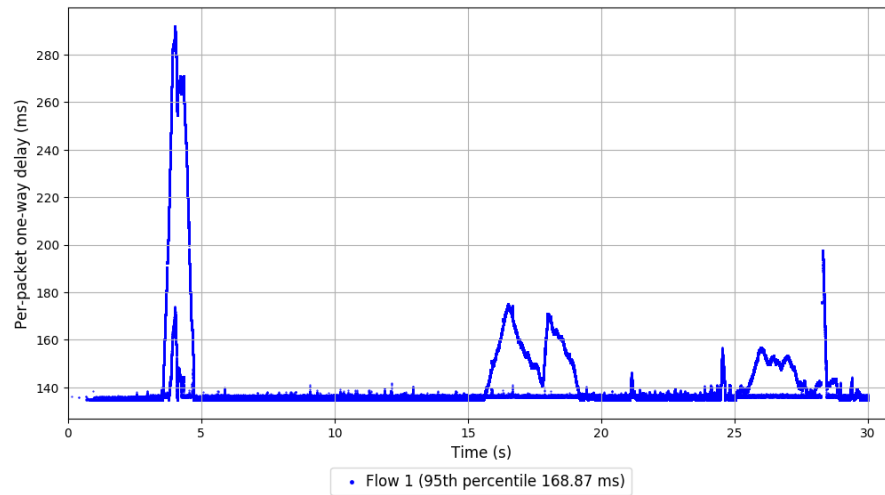
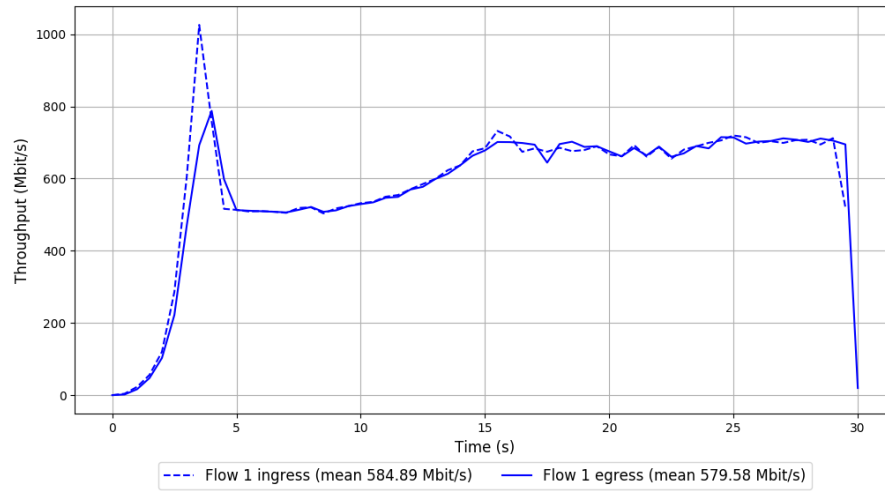
Average throughput: 579.58 Mbit/s

95th percentile per-packet one-way delay: 168.870 ms

Loss rate: 0.91%



### Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-20 12:37:00

End at: 2018-02-20 12:37:30

# Below is generated by plot.py at 2018-02-20 15:55:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 531.12 Mbit/s

95th percentile per-packet one-way delay: 161.960 ms

Loss rate: 0.85%

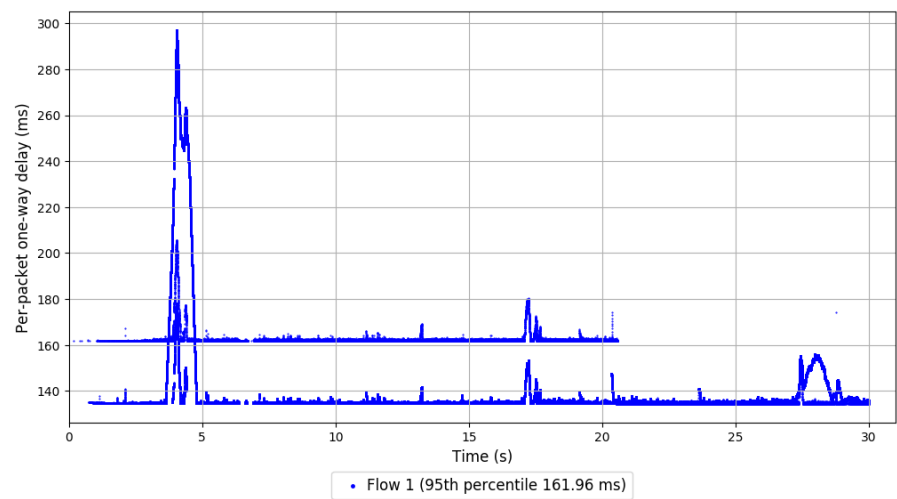
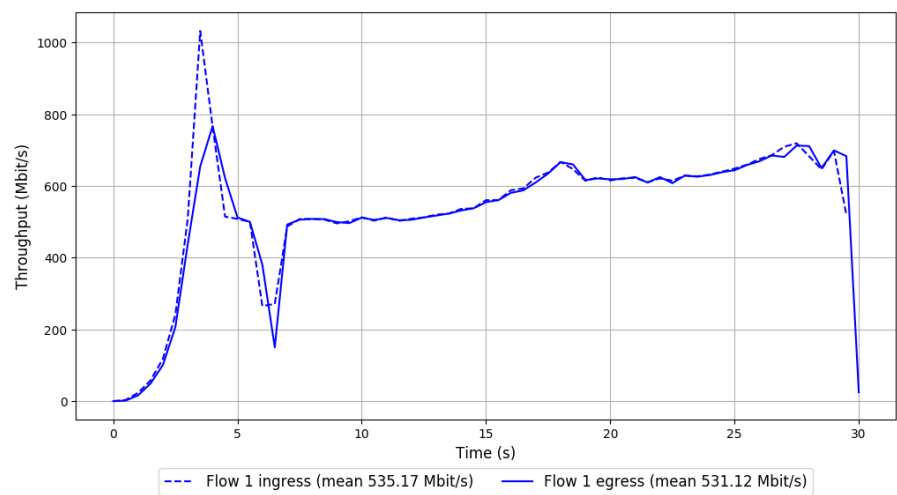
-- Flow 1:

Average throughput: 531.12 Mbit/s

95th percentile per-packet one-way delay: 161.960 ms

Loss rate: 0.85%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-20 12:53:27

End at: 2018-02-20 12:53:57

# Below is generated by plot.py at 2018-02-20 15:55:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 546.53 Mbit/s

95th percentile per-packet one-way delay: 161.898 ms

Loss rate: 1.04%

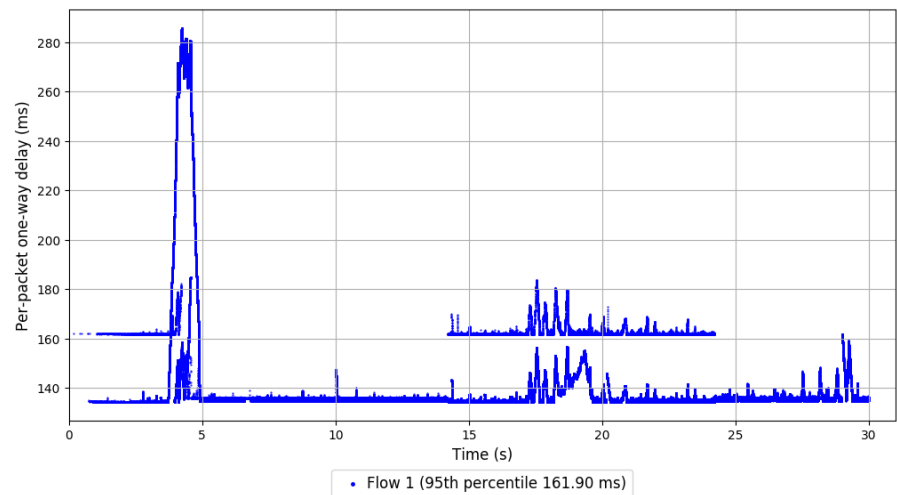
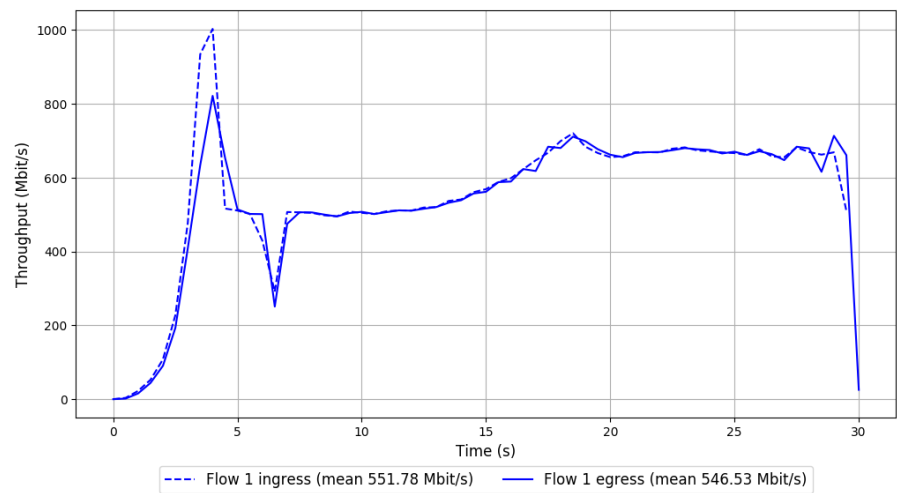
-- Flow 1:

Average throughput: 546.53 Mbit/s

95th percentile per-packet one-way delay: 161.898 ms

Loss rate: 1.04%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-20 13:09:59

End at: 2018-02-20 13:10:29

# Below is generated by plot.py at 2018-02-20 15:55:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 565.75 Mbit/s

95th percentile per-packet one-way delay: 175.824 ms

Loss rate: 0.96%

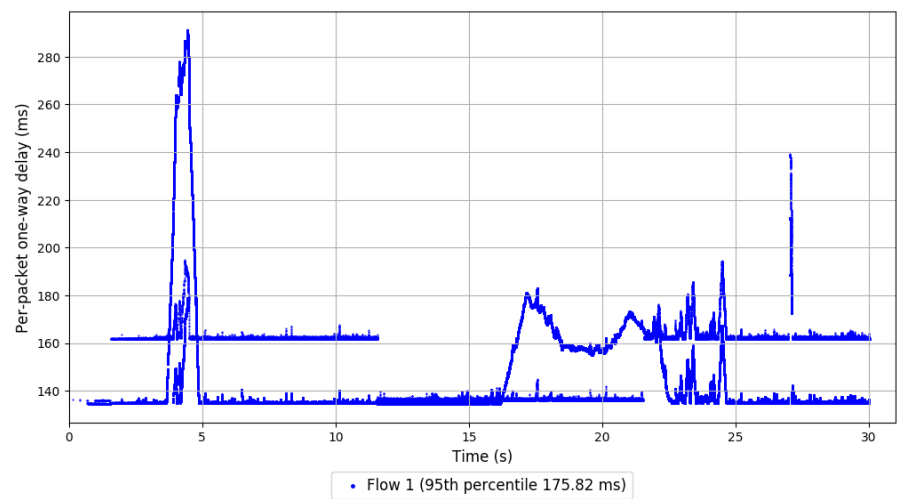
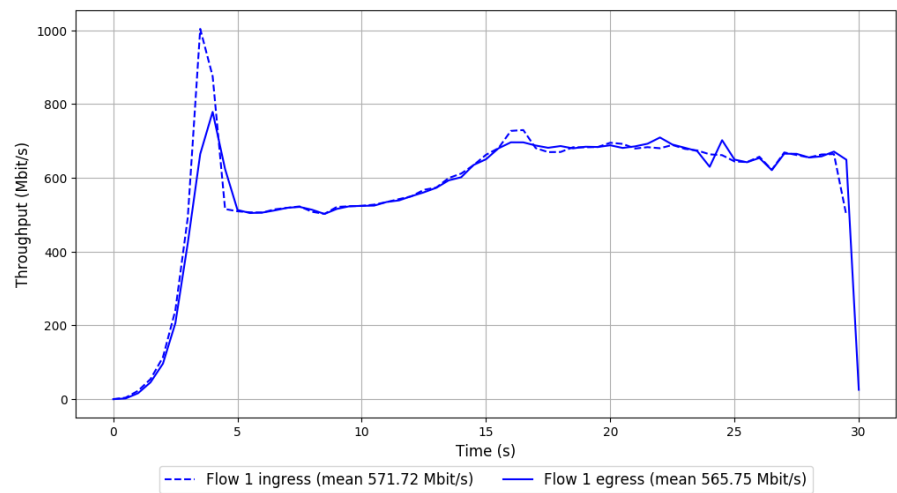
-- Flow 1:

Average throughput: 565.75 Mbit/s

95th percentile per-packet one-way delay: 175.824 ms

Loss rate: 0.96%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-02-20 13:26:31

End at: 2018-02-20 13:27:01

# Below is generated by plot.py at 2018-02-20 15:55:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 534.16 Mbit/s

95th percentile per-packet one-way delay: 245.158 ms

Loss rate: 1.40%

-- Flow 1:

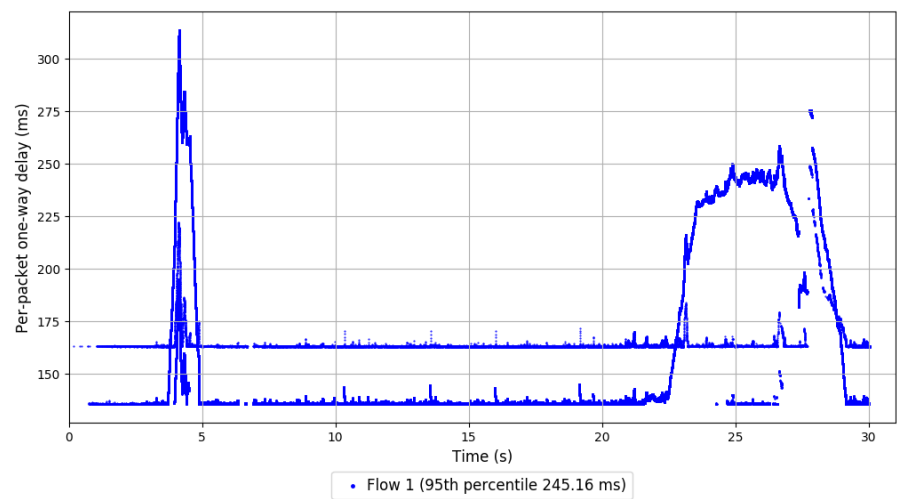
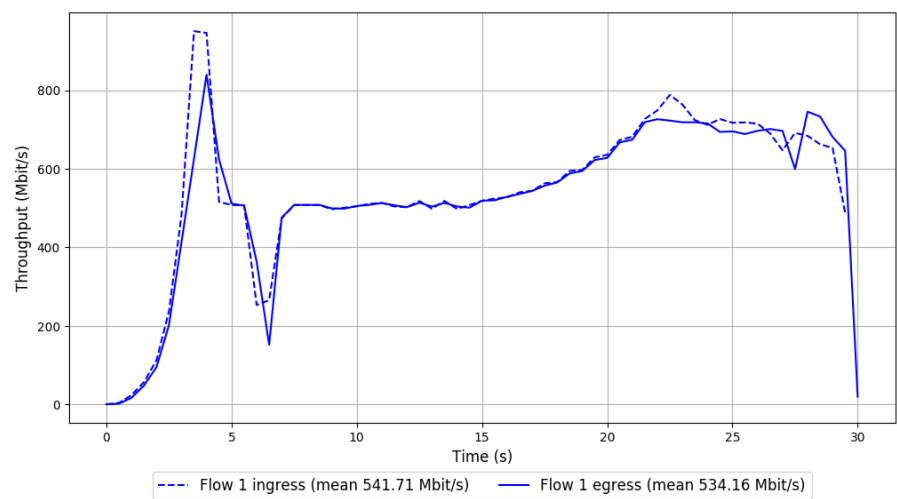
Average throughput: 534.16 Mbit/s

95th percentile per-packet one-way delay: 245.158 ms

Loss rate: 1.40%



Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-20 13:42:52

End at: 2018-02-20 13:43:22

# Below is generated by plot.py at 2018-02-20 15:56:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 572.54 Mbit/s

95th percentile per-packet one-way delay: 183.371 ms

Loss rate: 0.89%

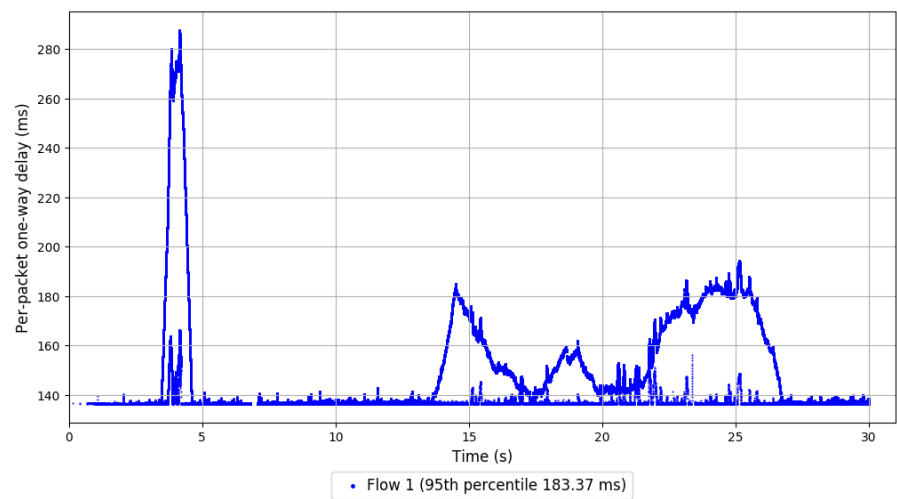
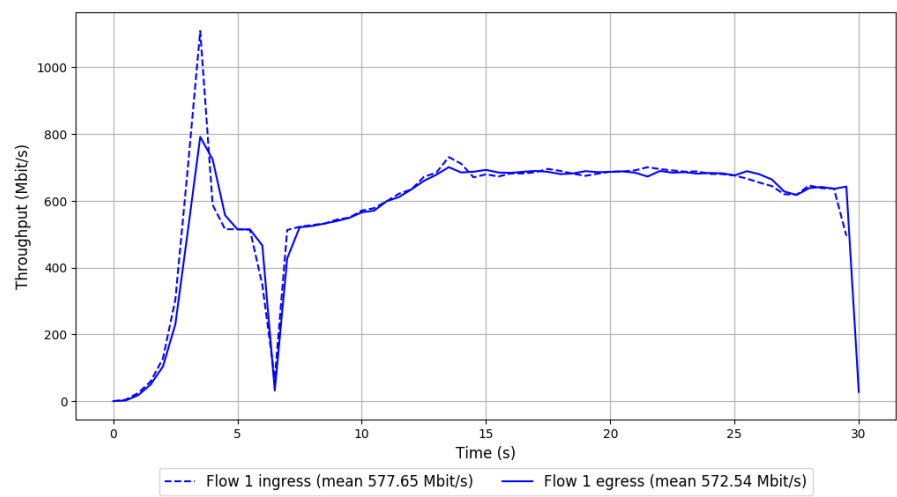
-- Flow 1:

Average throughput: 572.54 Mbit/s

95th percentile per-packet one-way delay: 183.371 ms

Loss rate: 0.89%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-02-20 13:59:14

End at: 2018-02-20 13:59:44

# Below is generated by plot.py at 2018-02-20 16:04:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 536.98 Mbit/s

95th percentile per-packet one-way delay: 163.391 ms

Loss rate: 0.98%

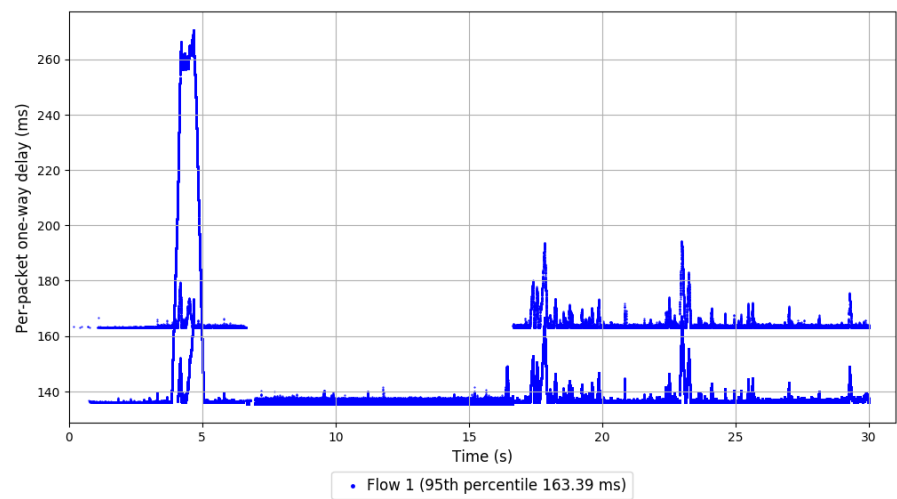
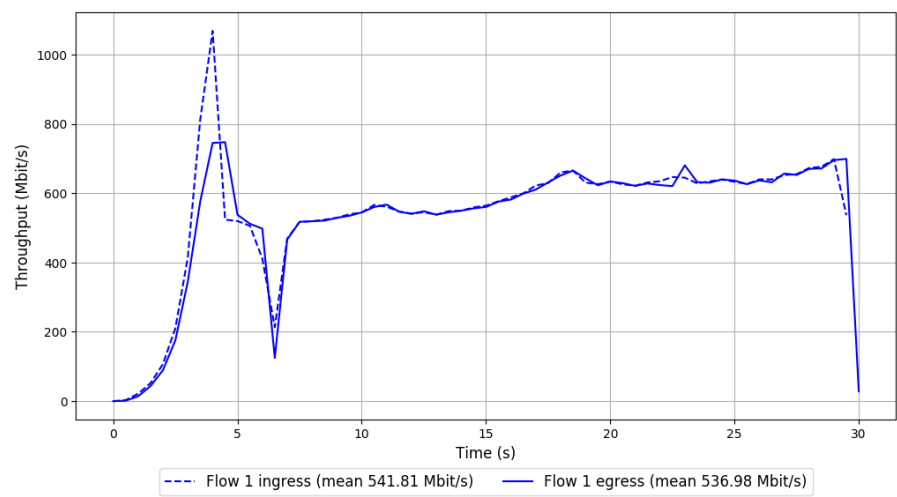
-- Flow 1:

Average throughput: 536.98 Mbit/s

95th percentile per-packet one-way delay: 163.391 ms

Loss rate: 0.98%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-20 14:15:47

End at: 2018-02-20 14:16:17

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 574.35 Mbit/s

95th percentile per-packet one-way delay: 164.102 ms

Loss rate: 1.12%

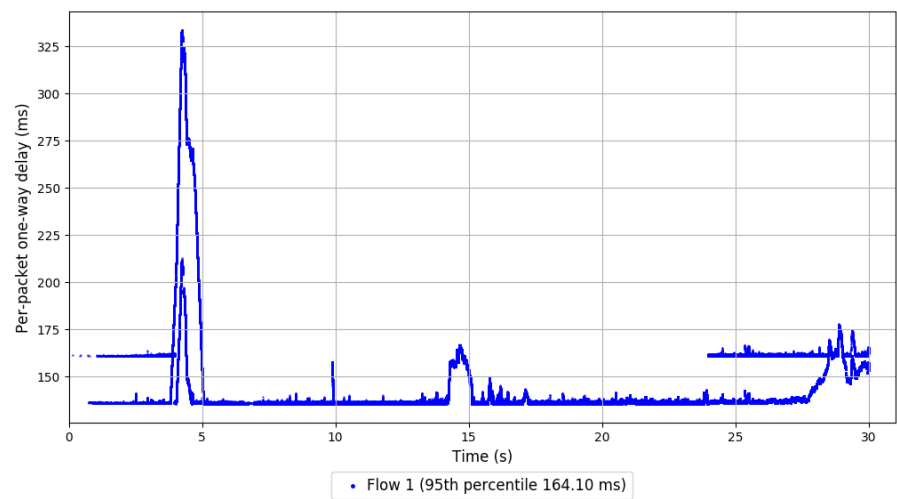
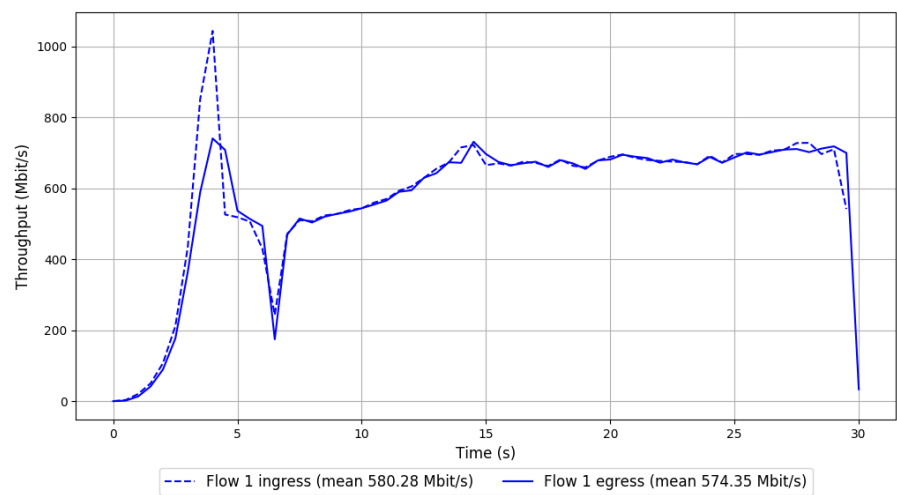
-- Flow 1:

Average throughput: 574.35 Mbit/s

95th percentile per-packet one-way delay: 164.102 ms

Loss rate: 1.12%

Run 10: Report of PCC — Data Link



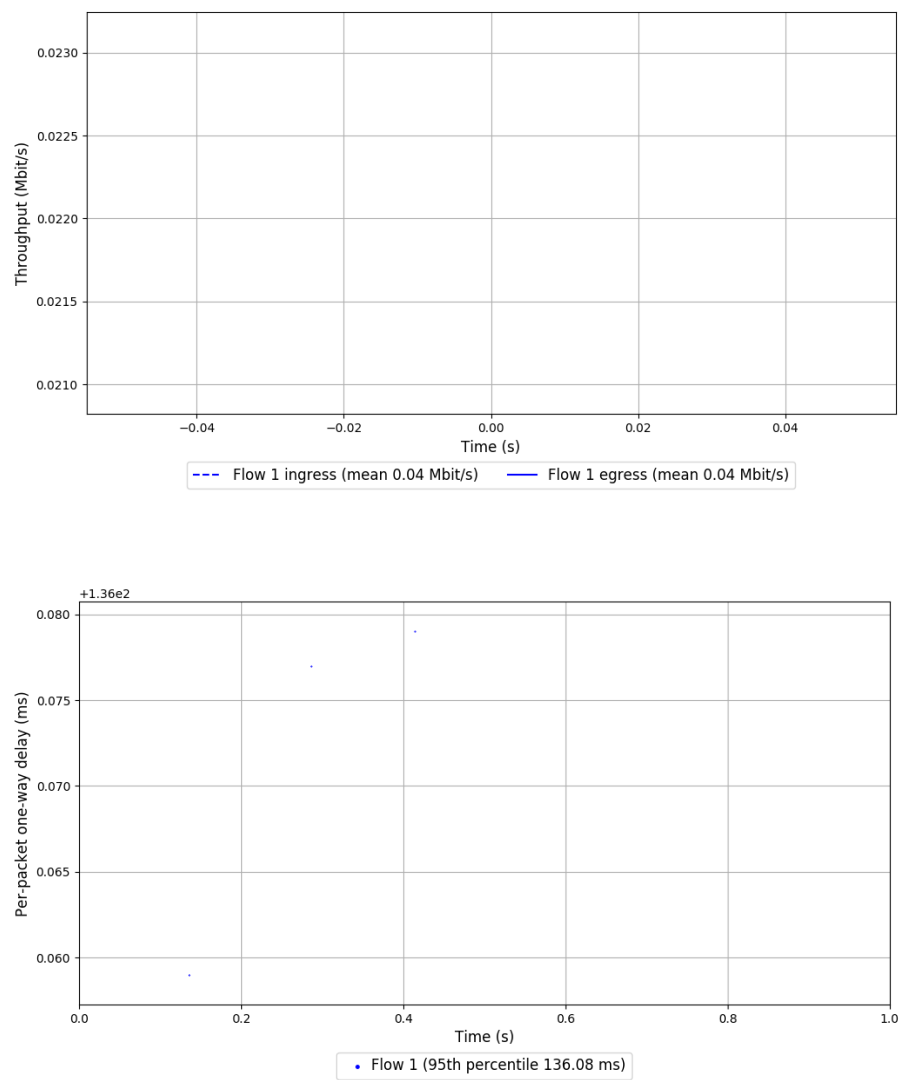
Run 1: Statistics of QUIC Cubic

Start at: 2018-02-20 11:57:36

End at: 2018-02-20 11:58:06



Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-20 12:13:25

End at: 2018-02-20 12:13:55

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.43 Mbit/s

95th percentile per-packet one-way delay: 135.603 ms

Loss rate: 0.00%

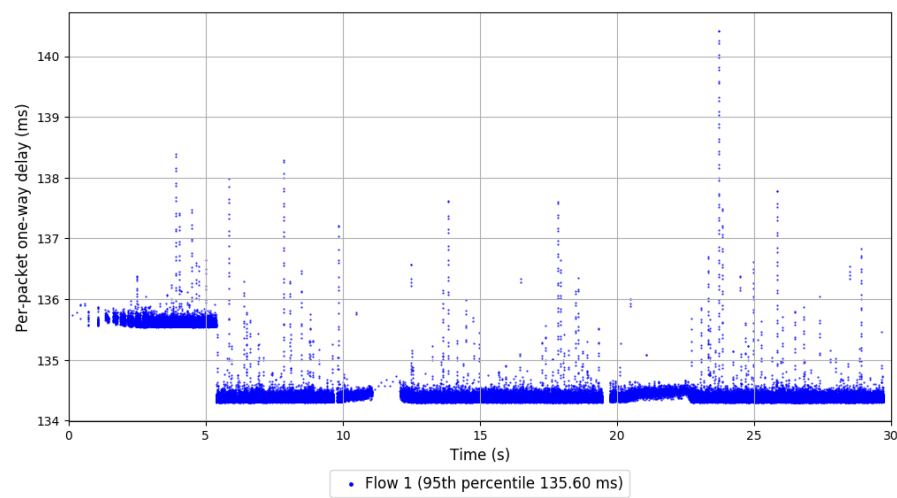
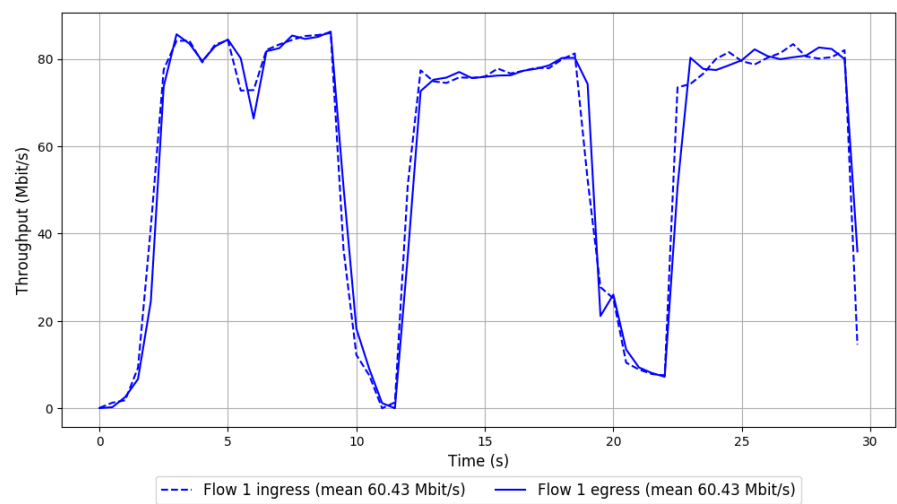
-- Flow 1:

Average throughput: 60.43 Mbit/s

95th percentile per-packet one-way delay: 135.603 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-20 12:29:31

End at: 2018-02-20 12:30:01

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.87 Mbit/s

95th percentile per-packet one-way delay: 136.537 ms

Loss rate: 0.00%

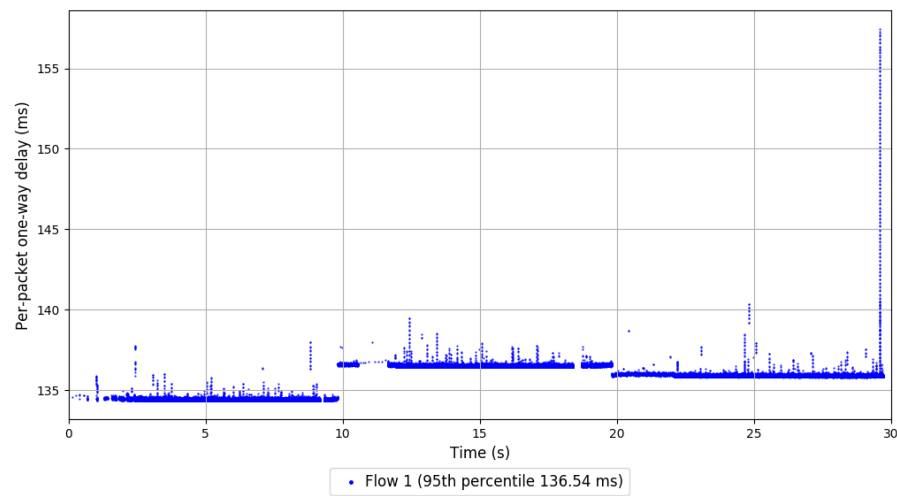
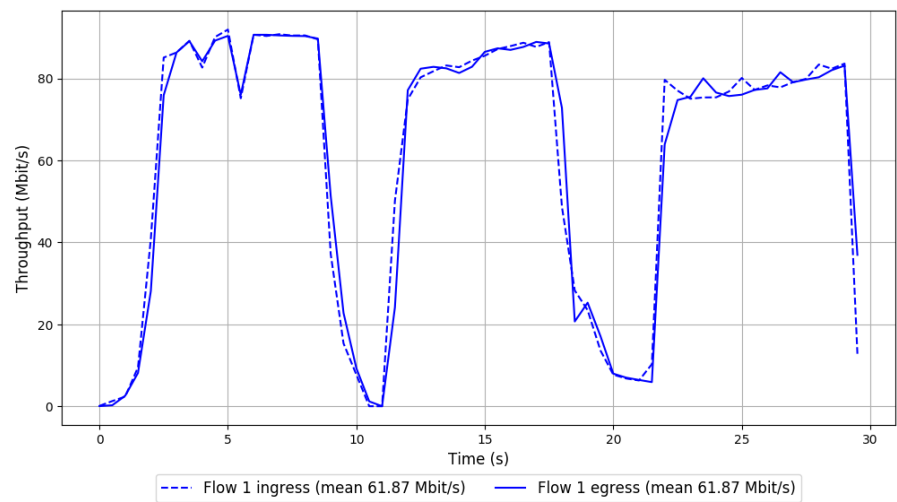
-- Flow 1:

Average throughput: 61.87 Mbit/s

95th percentile per-packet one-way delay: 136.537 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-20 12:45:46

End at: 2018-02-20 12:46:16

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.15 Mbit/s

95th percentile per-packet one-way delay: 136.545 ms

Loss rate: 0.00%

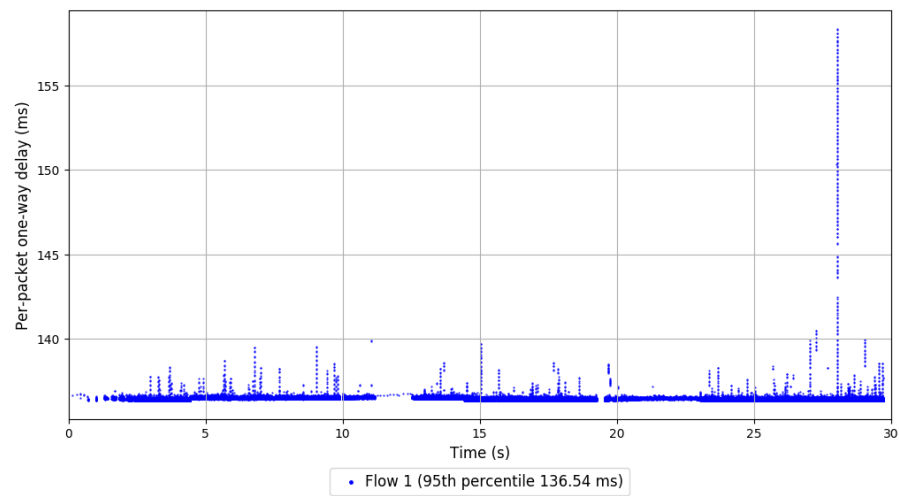
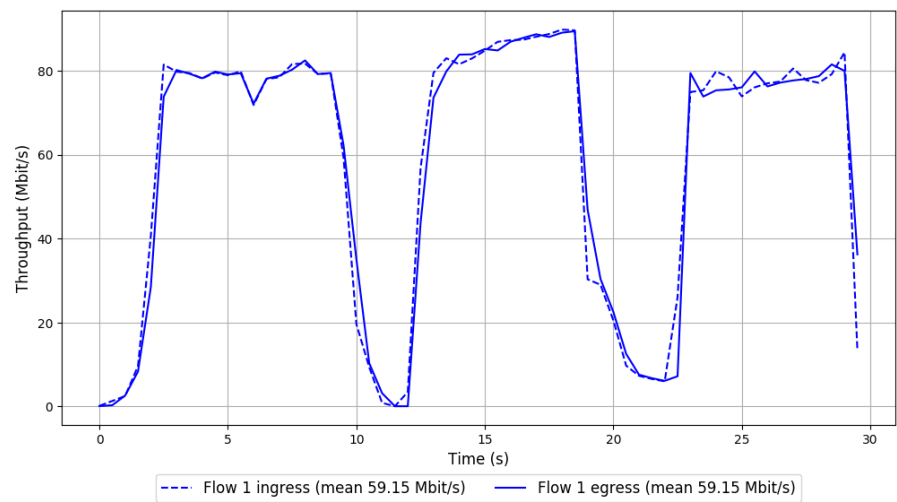
-- Flow 1:

Average throughput: 59.15 Mbit/s

95th percentile per-packet one-way delay: 136.545 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-20 13:02:06

End at: 2018-02-20 13:02:36

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.06 Mbit/s

95th percentile per-packet one-way delay: 162.566 ms

Loss rate: 0.00%

-- Flow 1:

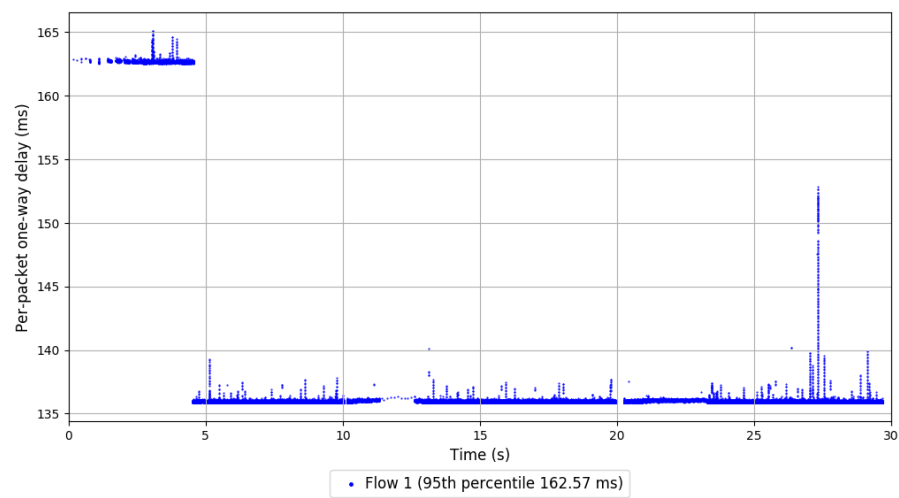
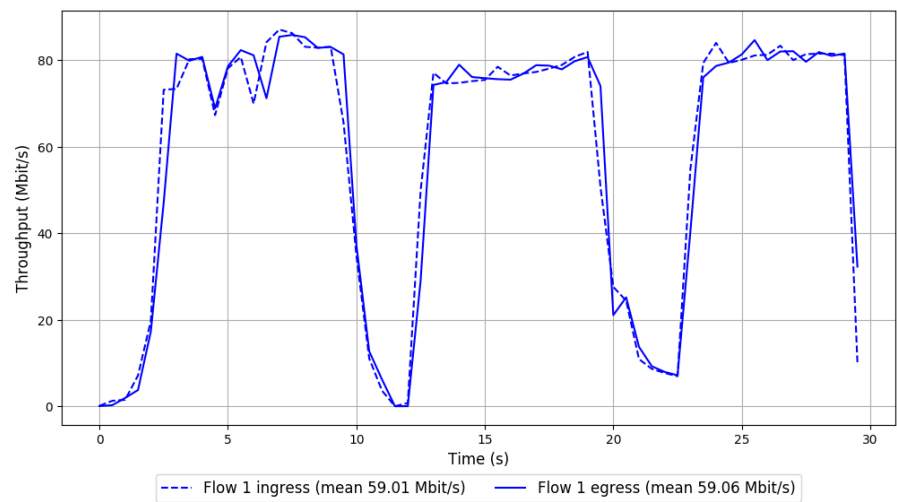
Average throughput: 59.06 Mbit/s

95th percentile per-packet one-way delay: 162.566 ms

Loss rate: 0.00%



Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-20 13:18:46

End at: 2018-02-20 13:19:16

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.68 Mbit/s

95th percentile per-packet one-way delay: 136.198 ms

Loss rate: 0.00%

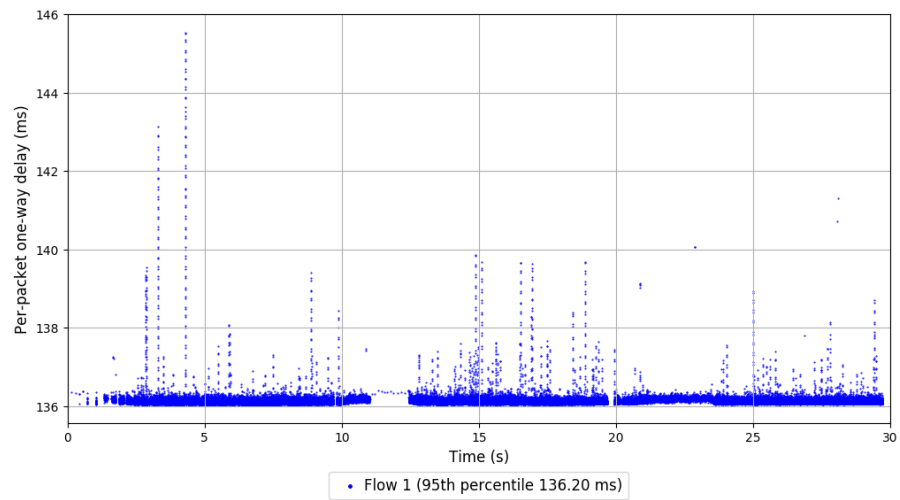
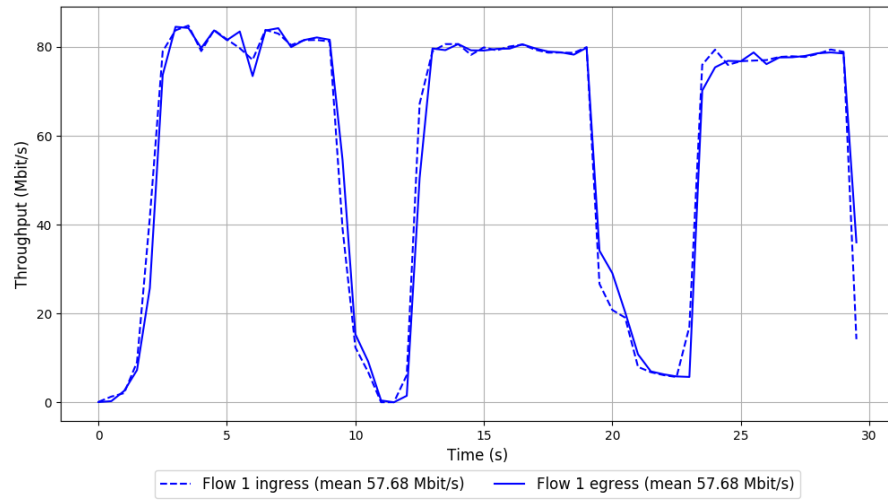
-- Flow 1:

Average throughput: 57.68 Mbit/s

95th percentile per-packet one-way delay: 136.198 ms

Loss rate: 0.00%

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



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-20 13:35:14

End at: 2018-02-20 13:35:44

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.22 Mbit/s

95th percentile per-packet one-way delay: 163.170 ms

Loss rate: 0.12%

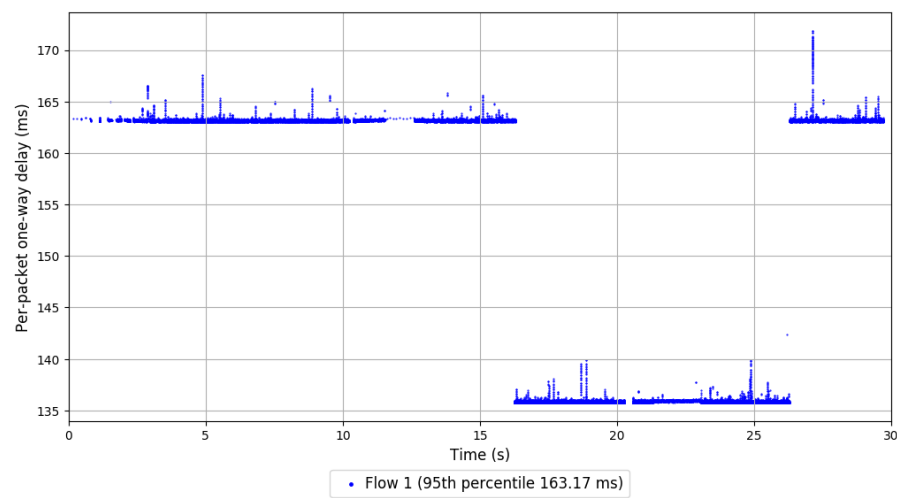
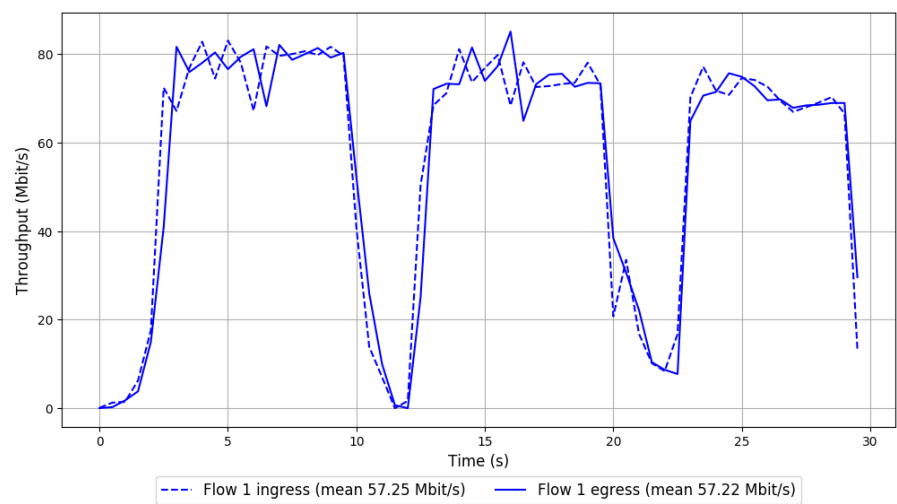
-- Flow 1:

Average throughput: 57.22 Mbit/s

95th percentile per-packet one-way delay: 163.170 ms

Loss rate: 0.12%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-20 13:51:44

End at: 2018-02-20 13:52:14

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.64 Mbit/s

95th percentile per-packet one-way delay: 136.282 ms

Loss rate: 0.00%

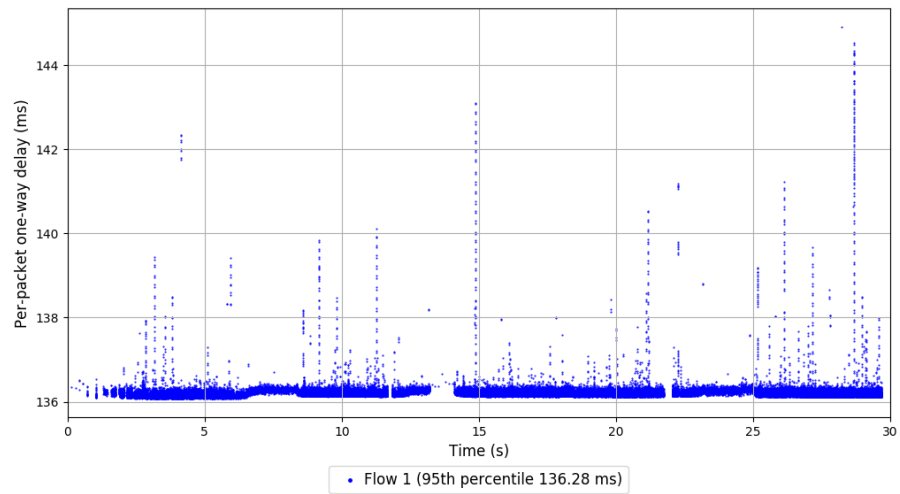
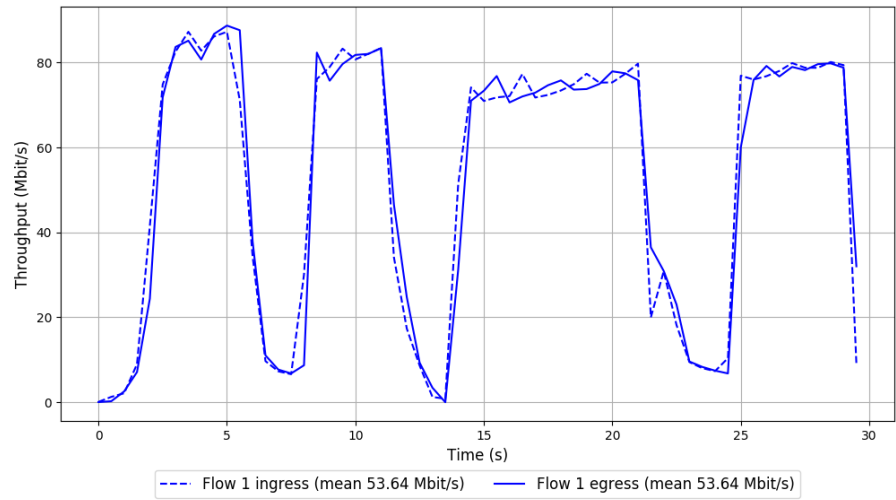
-- Flow 1:

Average throughput: 53.64 Mbit/s

95th percentile per-packet one-way delay: 136.282 ms

Loss rate: 0.00%

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



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-20 14:08:02

End at: 2018-02-20 14:08:32

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.46 Mbit/s

95th percentile per-packet one-way delay: 135.823 ms

Loss rate: 0.00%

-- Flow 1:

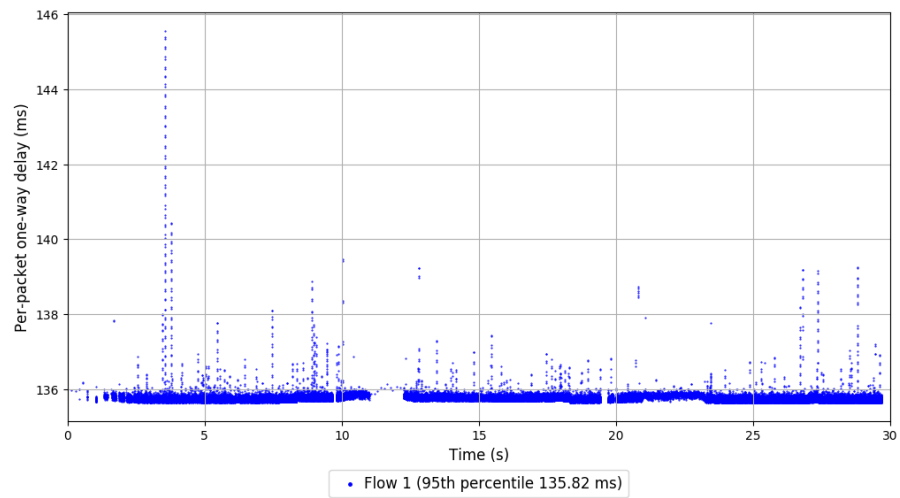
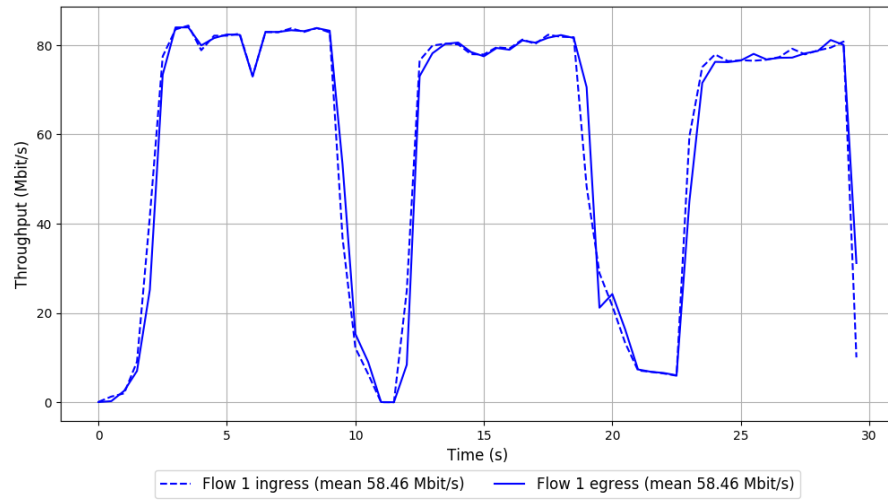
Average throughput: 58.46 Mbit/s

95th percentile per-packet one-way delay: 135.823 ms

Loss rate: 0.00%



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



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-20 14:24:23

End at: 2018-02-20 14:24:53

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.93 Mbit/s

95th percentile per-packet one-way delay: 135.961 ms

Loss rate: 0.00%

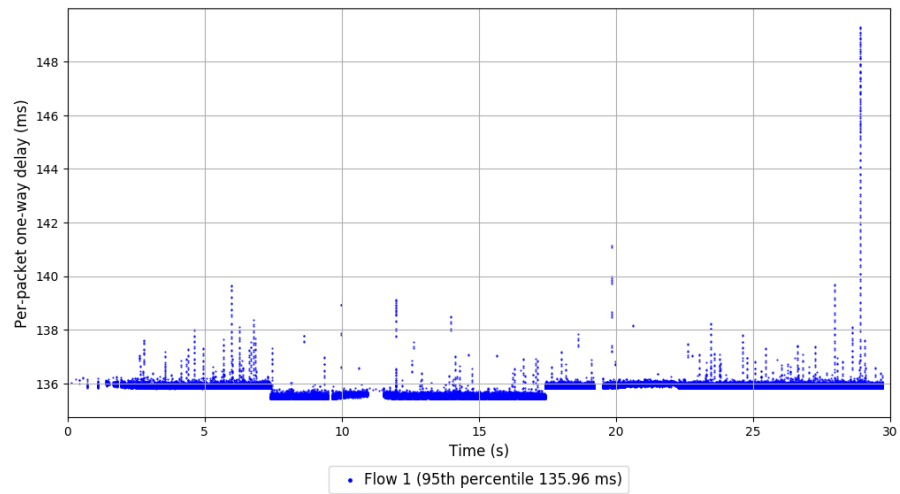
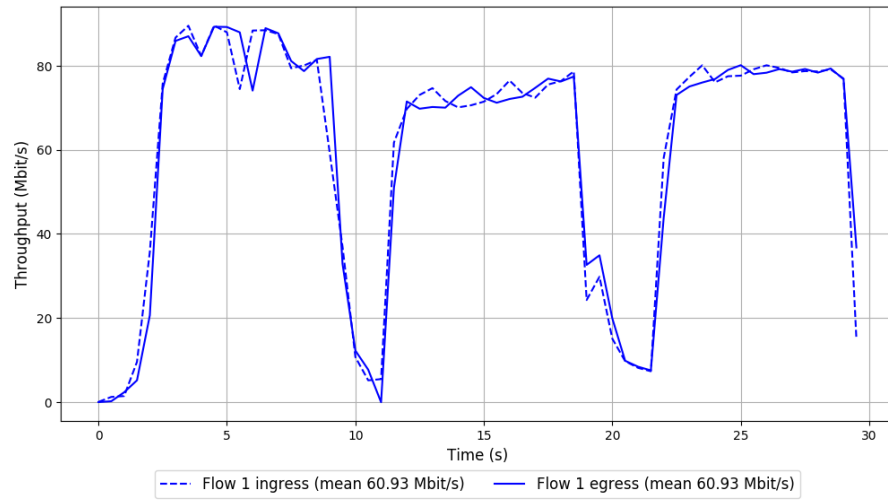
-- Flow 1:

Average throughput: 60.93 Mbit/s

95th percentile per-packet one-way delay: 135.961 ms

Loss rate: 0.00%

# Run 10: Report of QUIC Cubic — Data Link

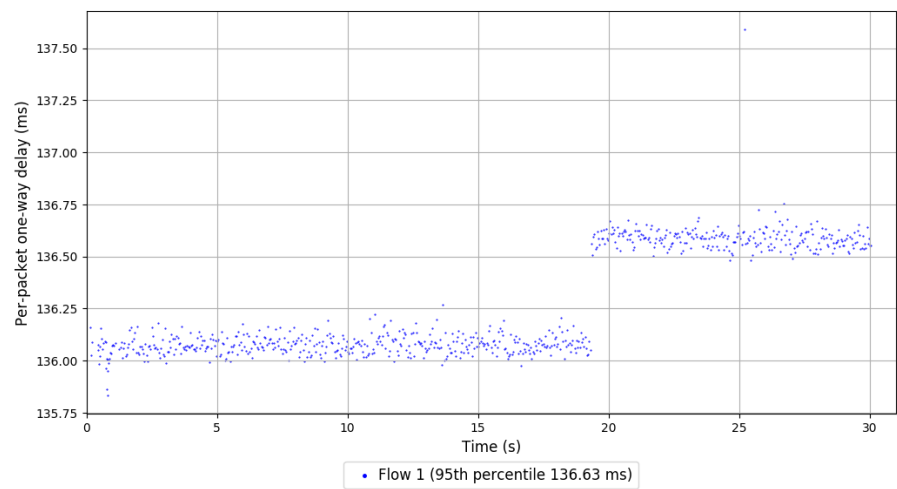
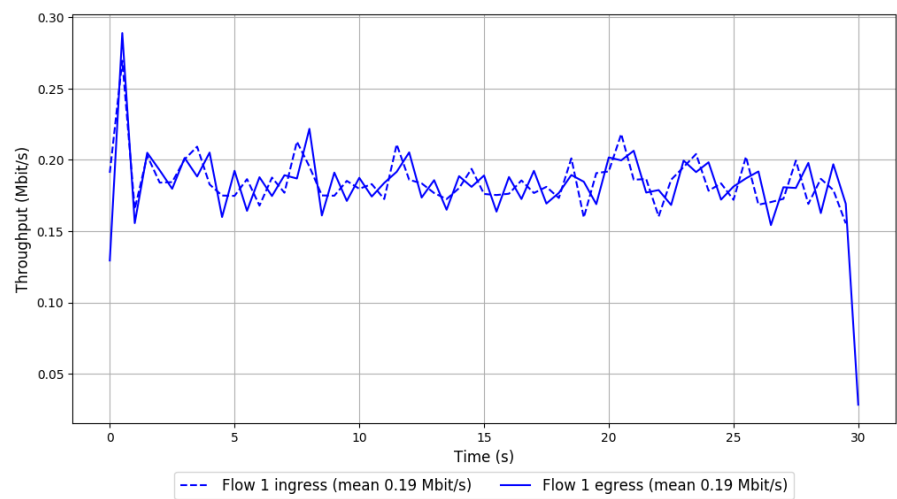


```
Run 1: Statistics of SCReAM

Start at: 2018-02-20 11:47:22
End at: 2018-02-20 11:47:52

# Below is generated by plot.py at 2018-02-20 16:05:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.628 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

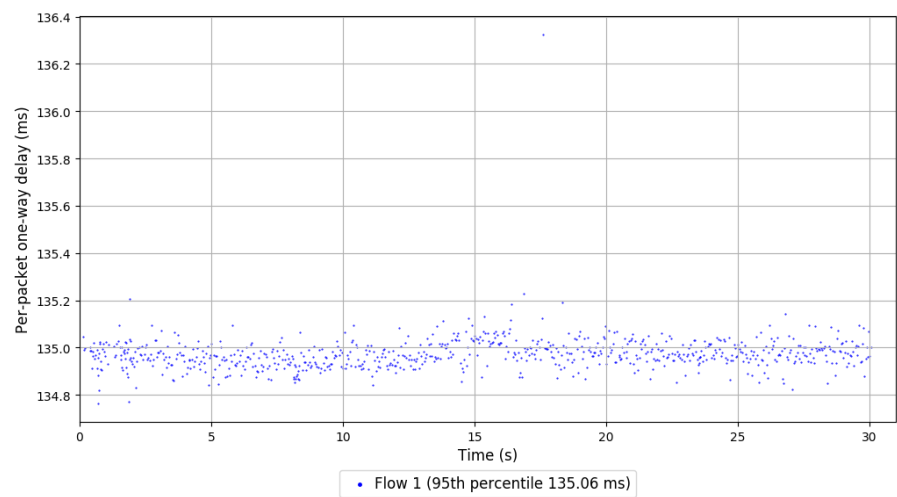
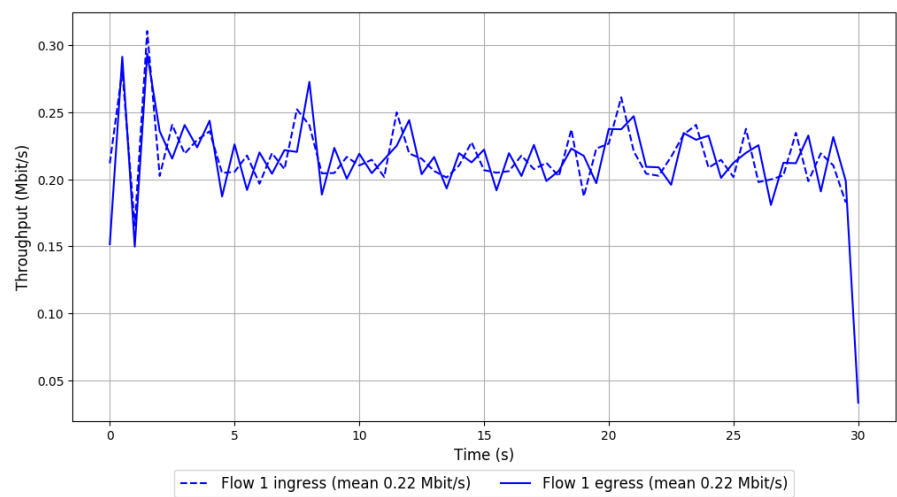


```
Run 2: Statistics of SCReAM

Start at: 2018-02-20 12:03:15
End at: 2018-02-20 12:03:45

# Below is generated by plot.py at 2018-02-20 16:05:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.064 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.064 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-02-20 12:19:14

End at: 2018-02-20 12:19:44

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 134.328 ms

Loss rate: 0.00%

-- Flow 1:

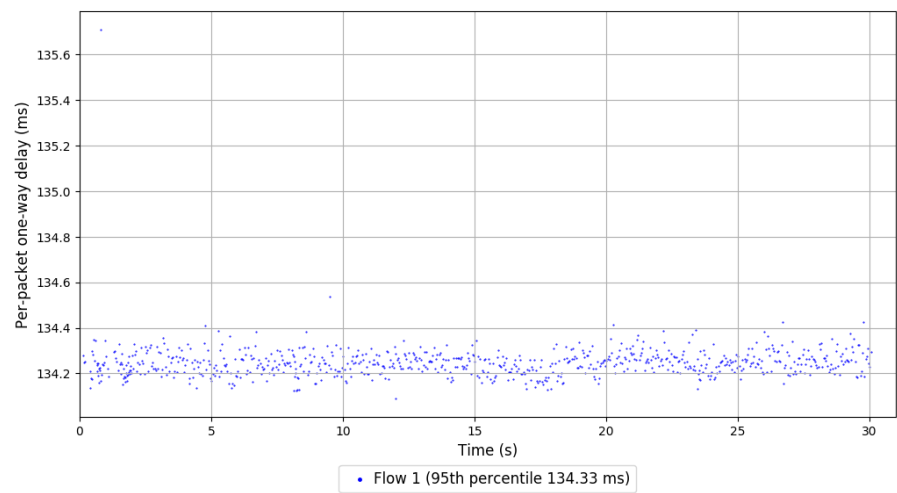
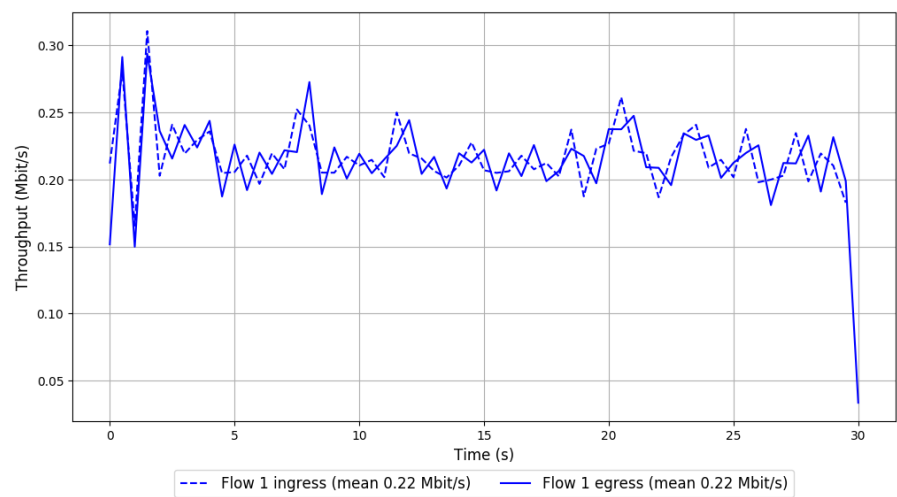
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 134.328 ms

Loss rate: 0.00%



Run 3: Report of SReAM — Data Link

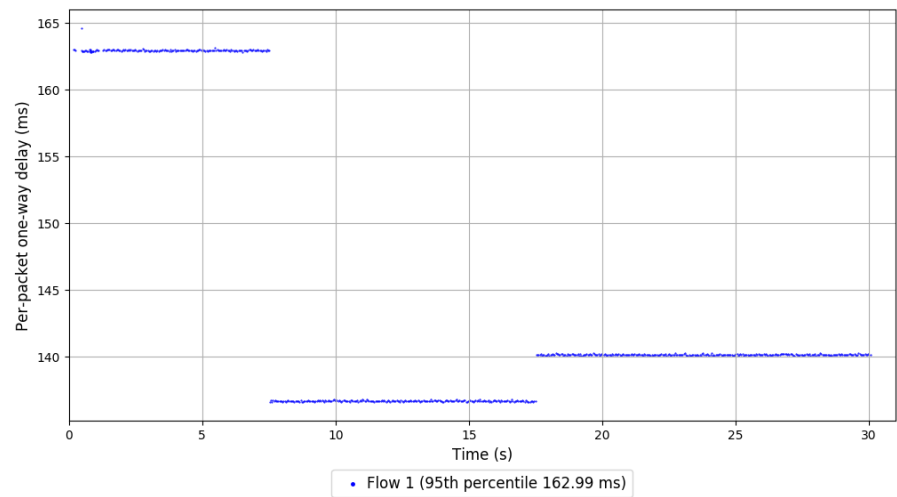
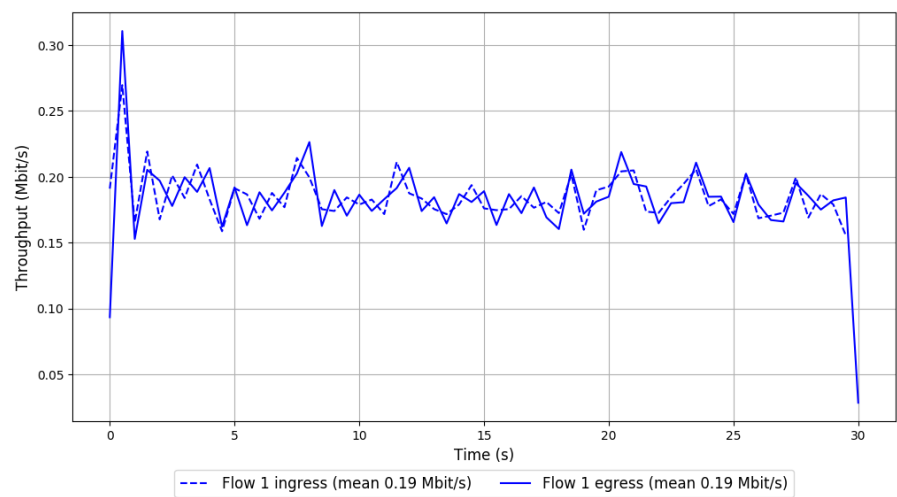


```
Run 4: Statistics of SCReAM

Start at: 2018-02-20 12:35:23
End at: 2018-02-20 12:35:53

# Below is generated by plot.py at 2018-02-20 16:05:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 162.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 162.991 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-02-20 12:51:44

End at: 2018-02-20 12:52:14

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 162.887 ms

Loss rate: 0.00%

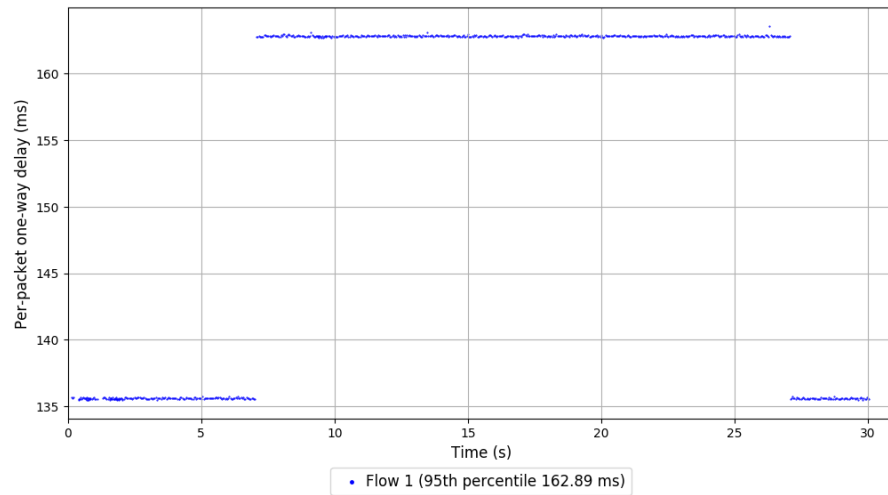
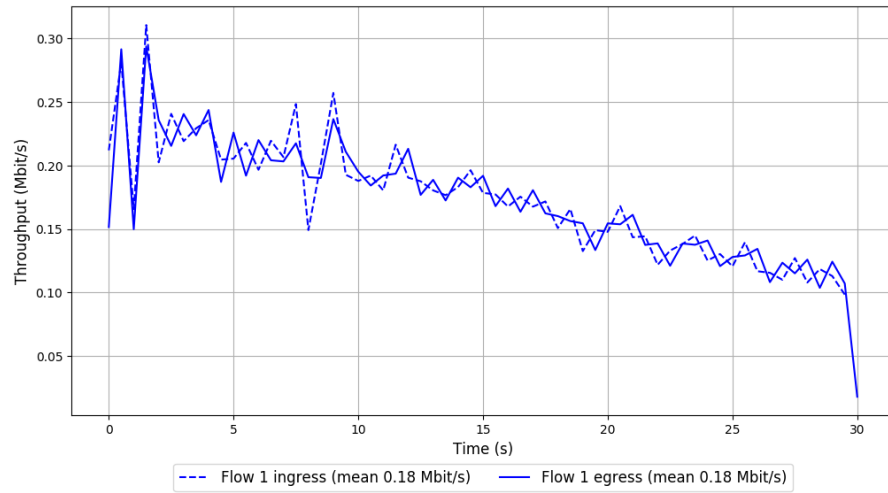
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 162.887 ms

Loss rate: 0.00%

## Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-02-20 13:08:18

End at: 2018-02-20 13:08:48

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 165.302 ms

Loss rate: 0.00%

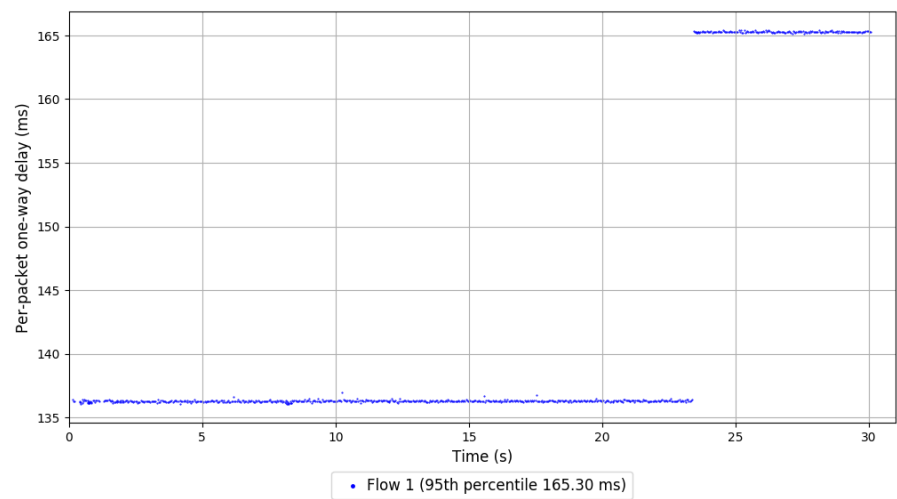
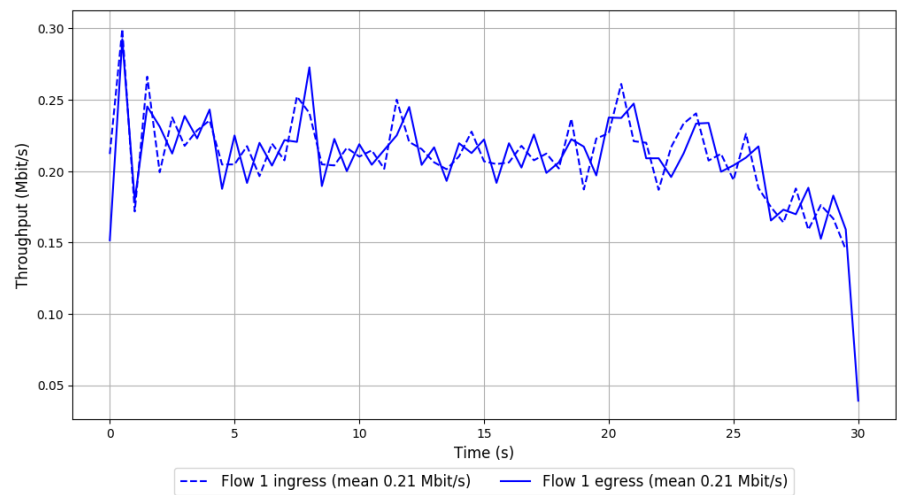
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 165.302 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-02-20 13:24:53

End at: 2018-02-20 13:25:23

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 161.407 ms

Loss rate: 0.00%

-- Flow 1:

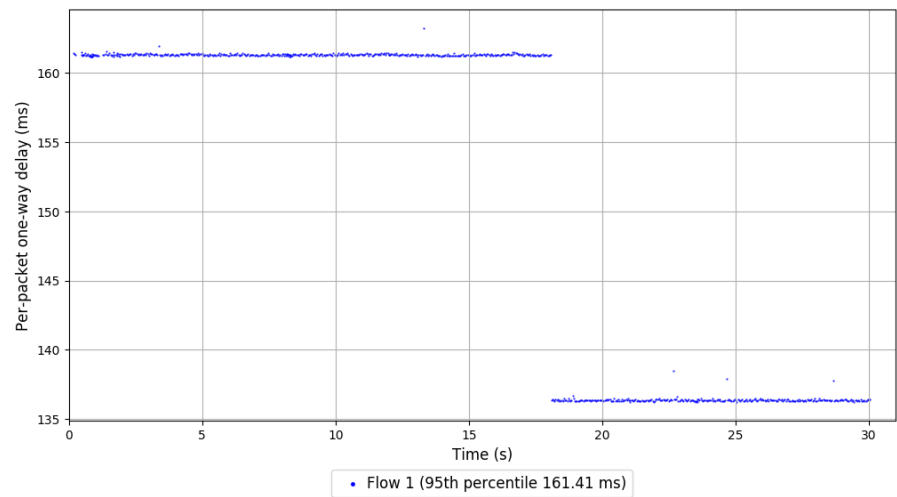
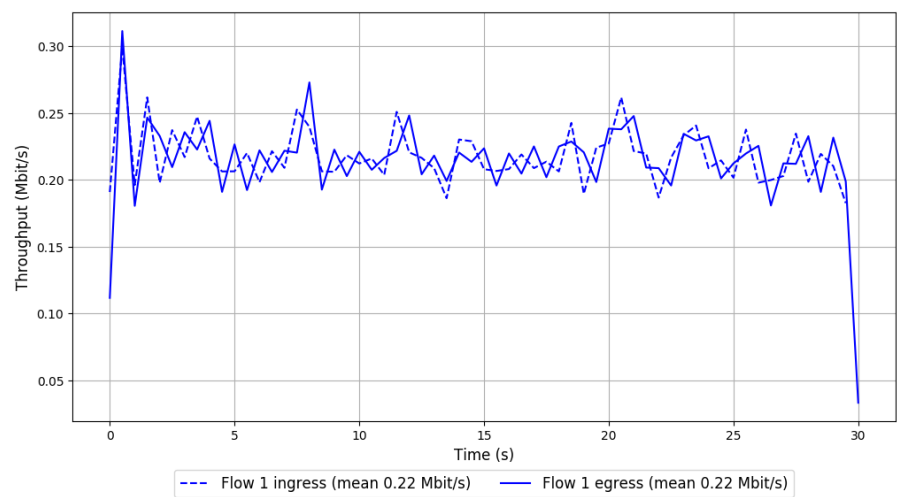
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 161.407 ms

Loss rate: 0.00%



Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-02-20 13:41:18

End at: 2018-02-20 13:41:48

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.767 ms

Loss rate: 0.00%

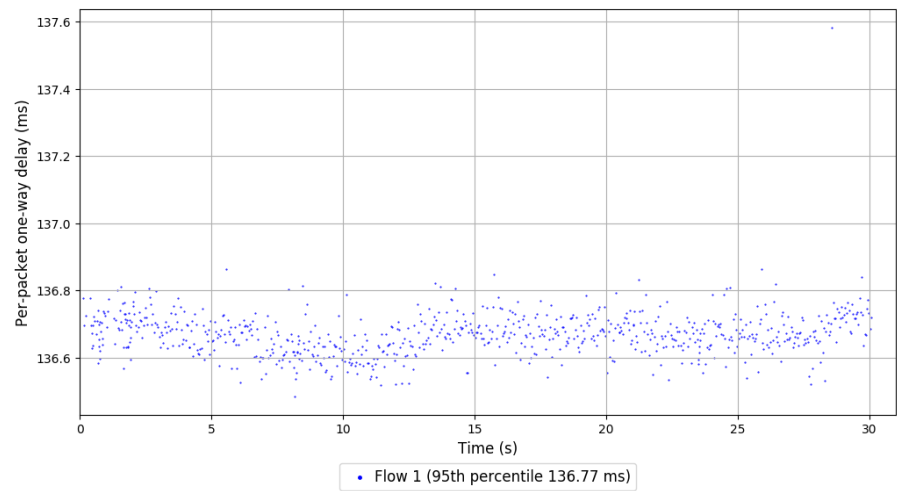
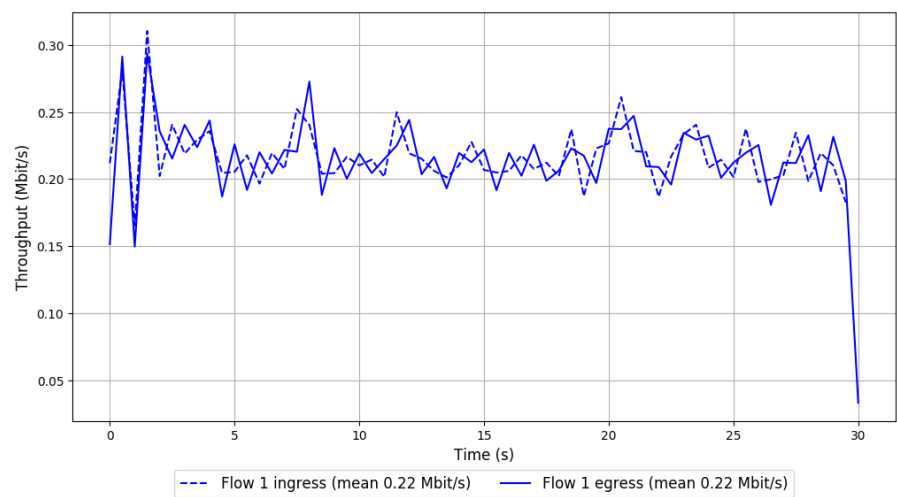
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.767 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-02-20 13:57:34

End at: 2018-02-20 13:58:04

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.040 ms

Loss rate: 0.00%

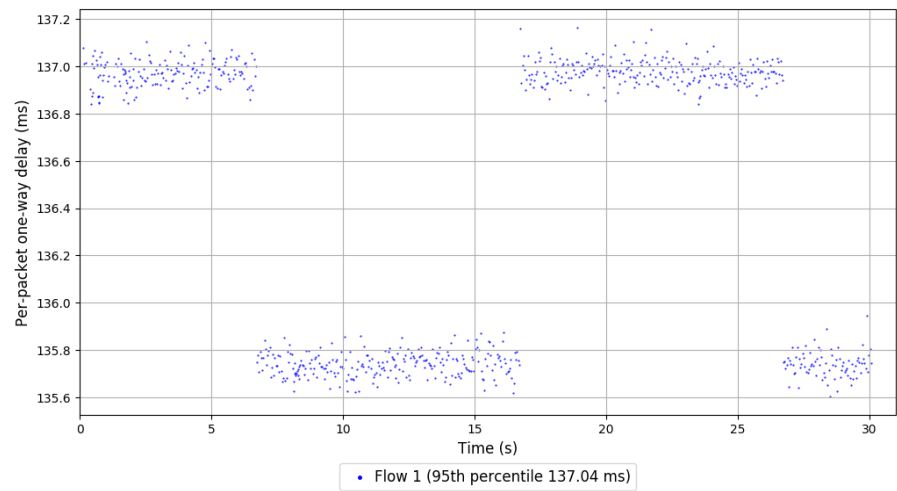
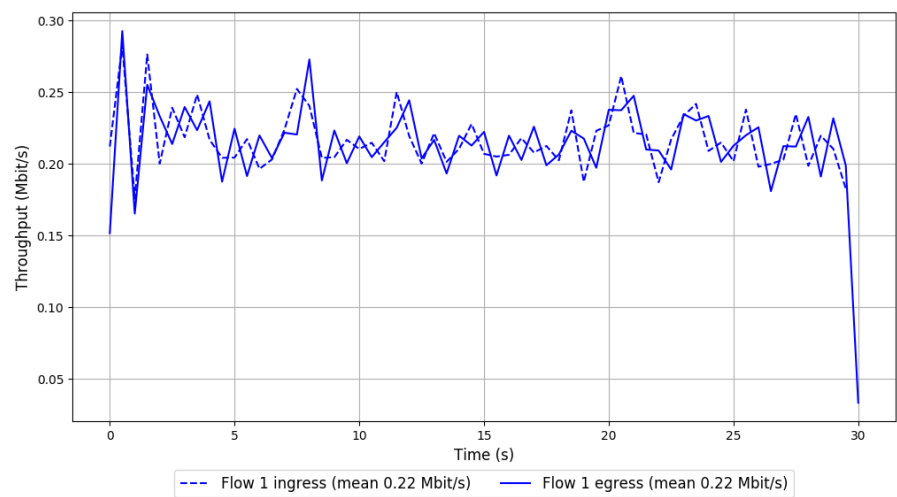
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.040 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-02-20 14:14:09

End at: 2018-02-20 14:14:39

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.889 ms

Loss rate: 0.00%

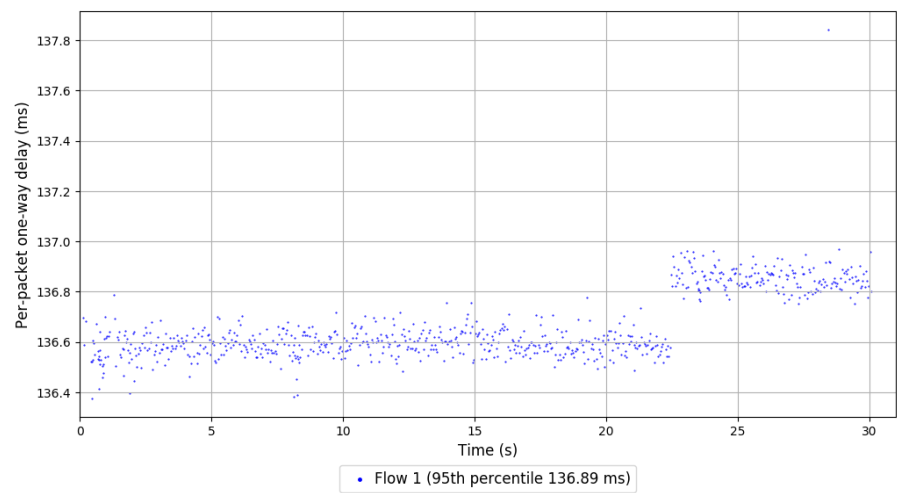
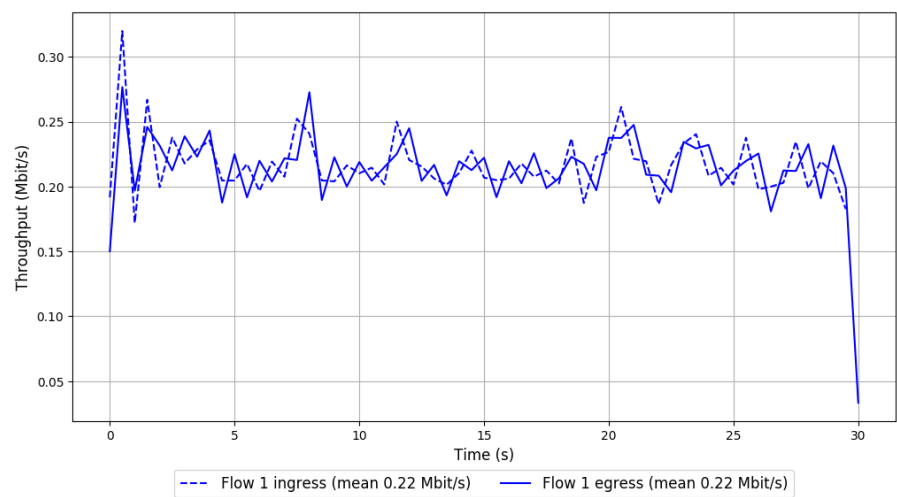
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.889 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



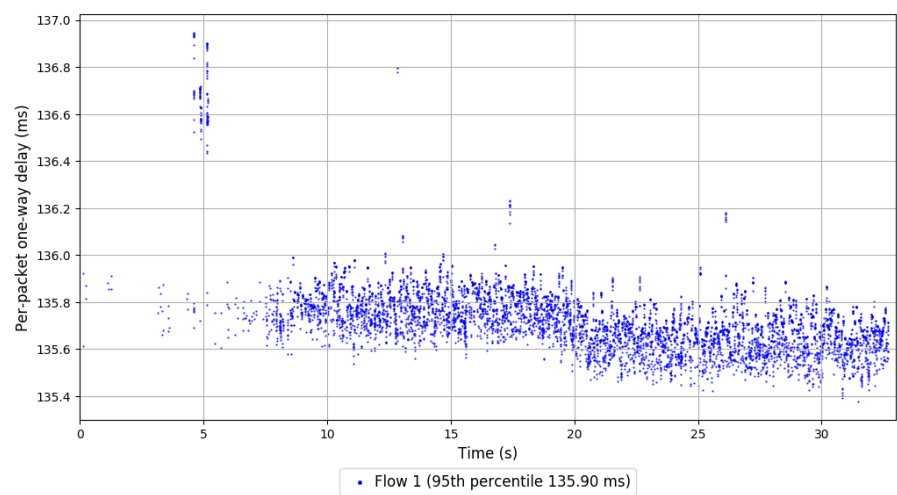
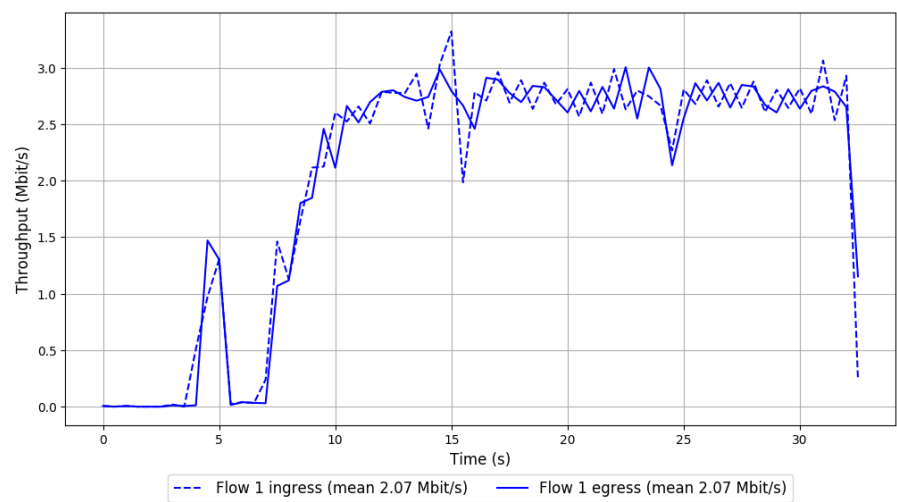
```
Run 1: Statistics of WebRTC media

Start at: 2018-02-20 11:59:44
End at: 2018-02-20 12:00:14

# Below is generated by plot.py at 2018-02-20 16:05:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 135.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 135.902 ms
Loss rate: 0.00%
```



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-02-20 12:15:39

End at: 2018-02-20 12:16:09

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.260 ms

Loss rate: 0.00%

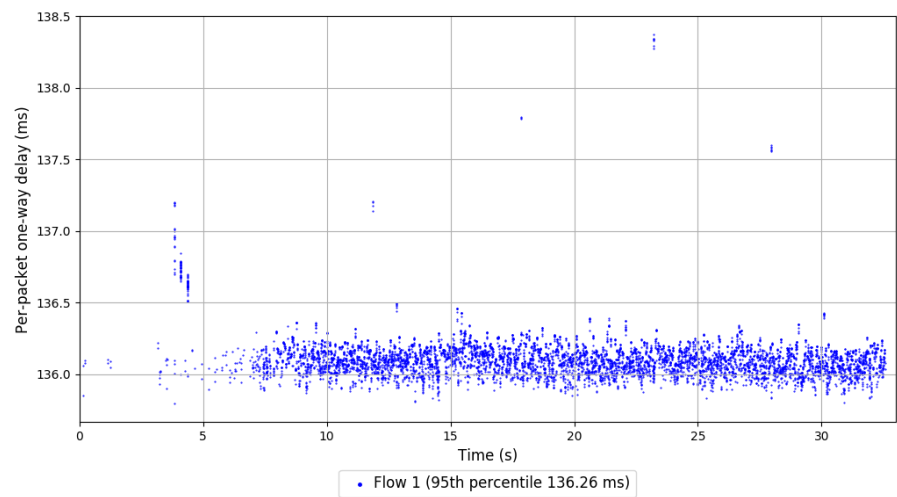
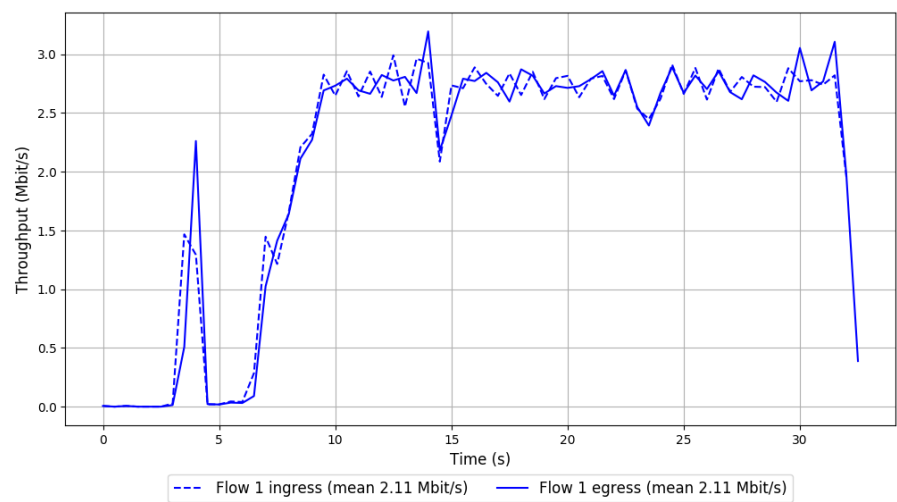
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.260 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-02-20 12:31:48

End at: 2018-02-20 12:32:18

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 135.941 ms

Loss rate: 0.00%

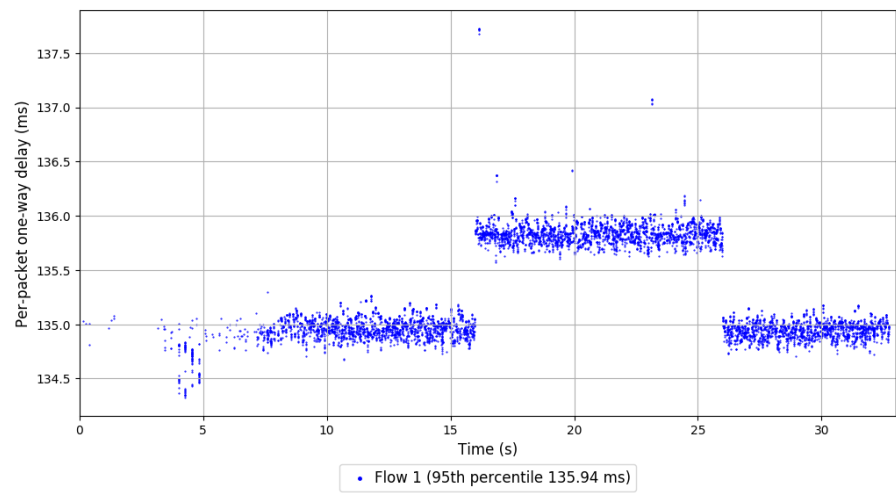
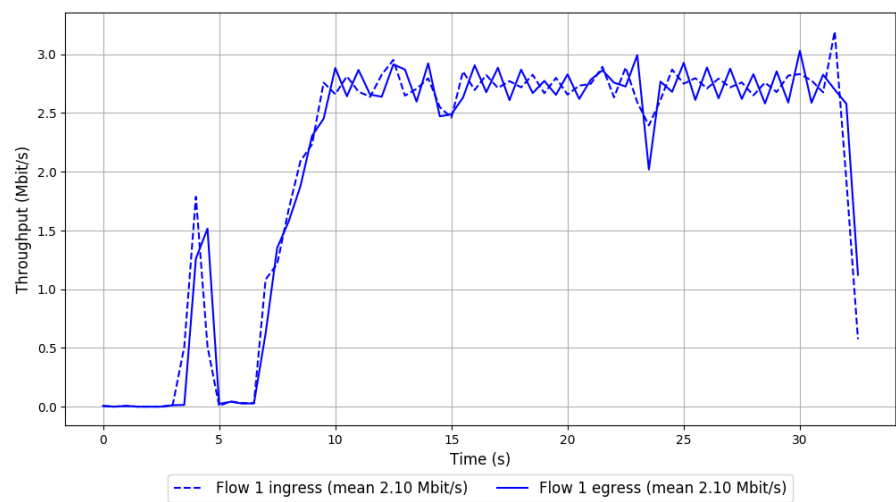
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 135.941 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-20 12:48:07

End at: 2018-02-20 12:48:37

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.569 ms

Loss rate: 0.00%

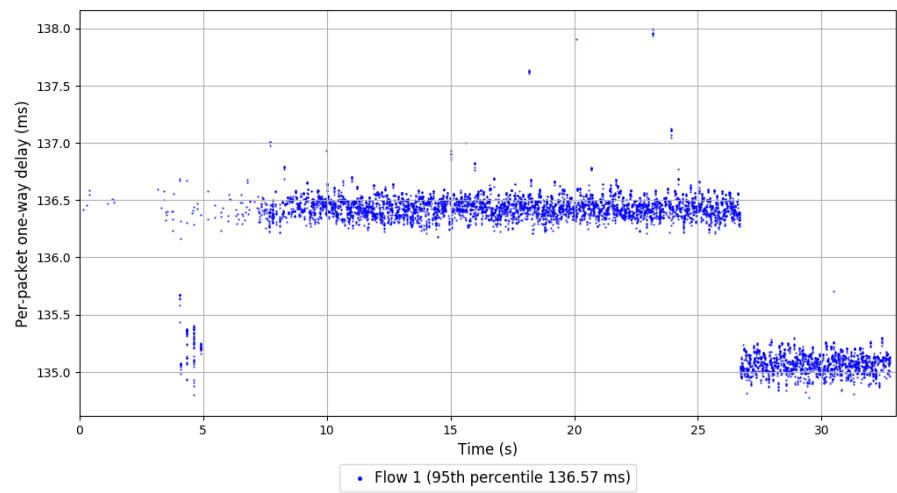
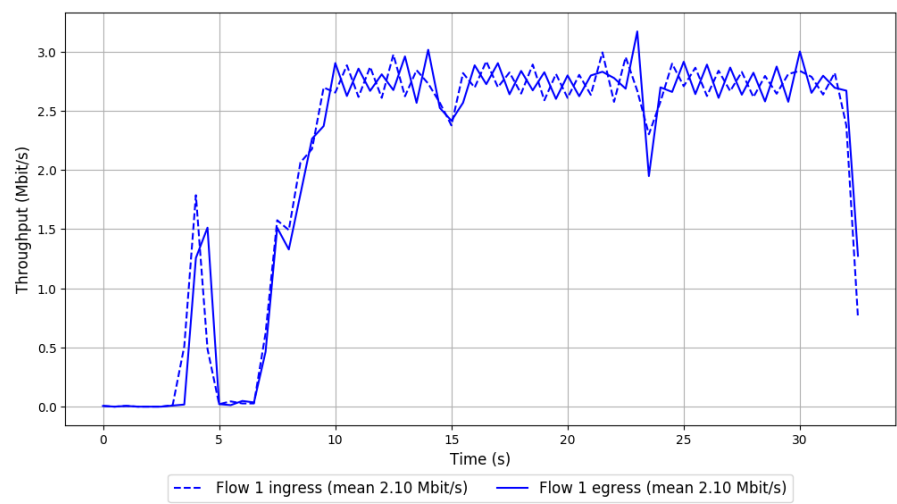
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.569 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-20 13:04:41

End at: 2018-02-20 13:05:11

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 163.079 ms

Loss rate: 0.00%

-- Flow 1:

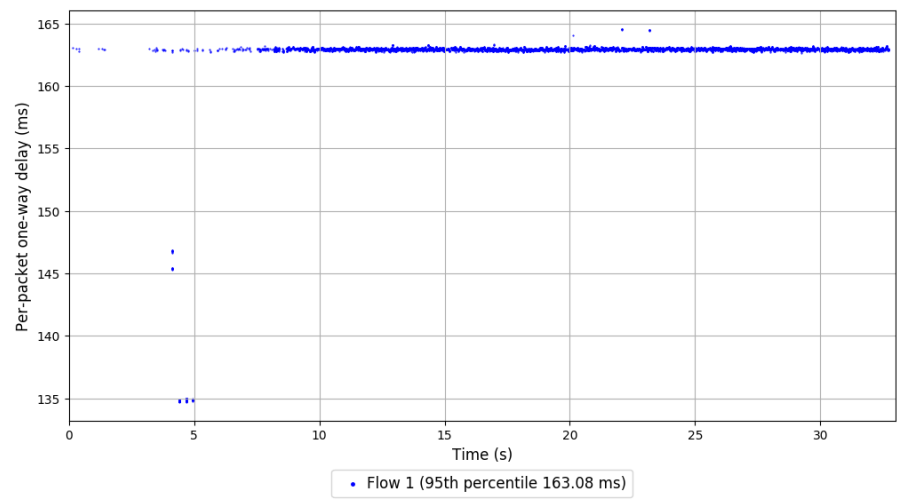
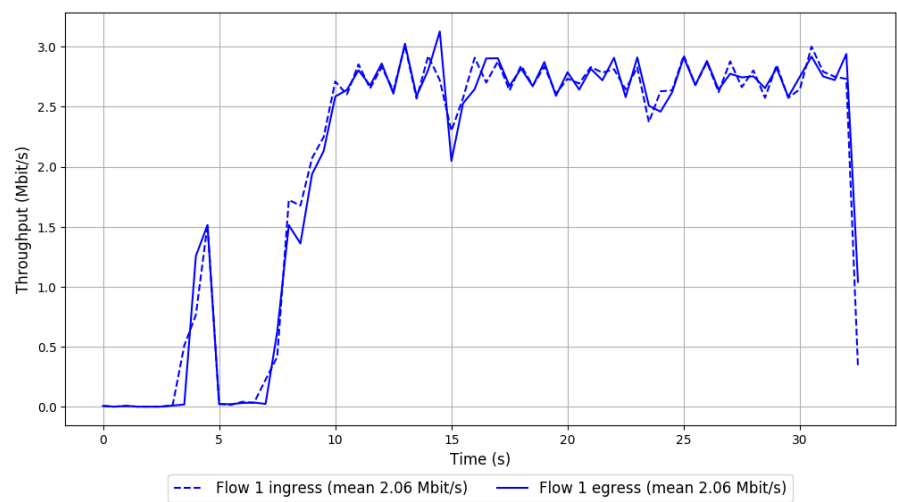
Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 163.079 ms

Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-20 13:21:17

End at: 2018-02-20 13:21:47

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.972 ms

Loss rate: 0.00%

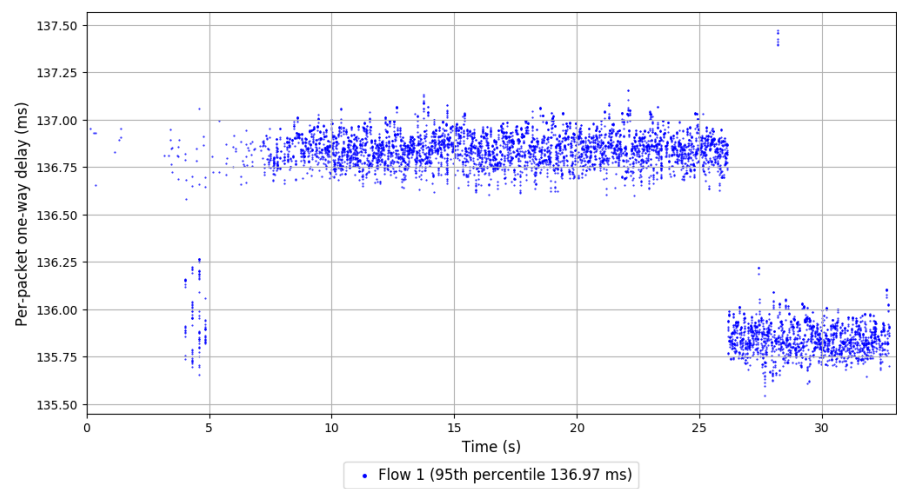
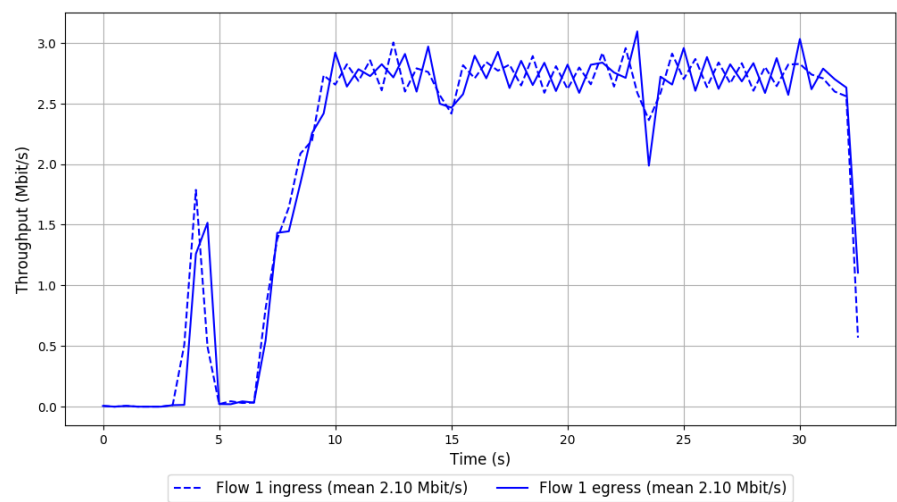
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.972 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-02-20 13:37:42

End at: 2018-02-20 13:38:12

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 163.850 ms

Loss rate: 0.00%

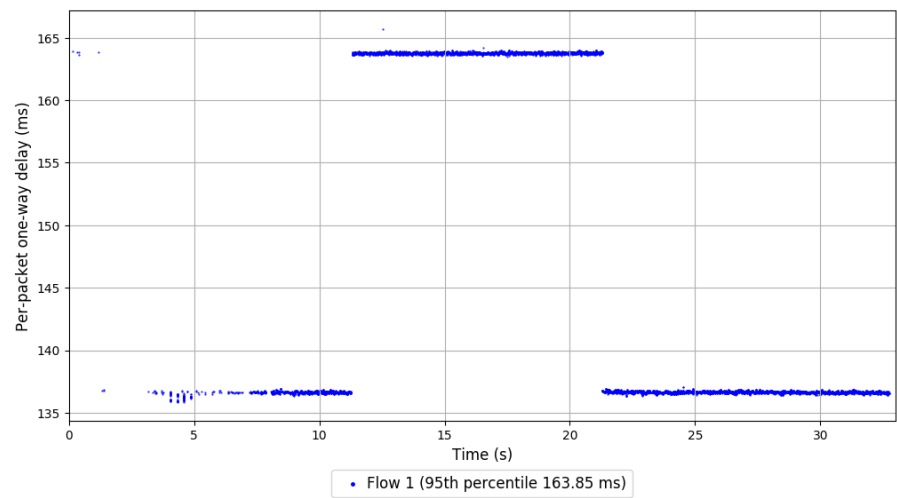
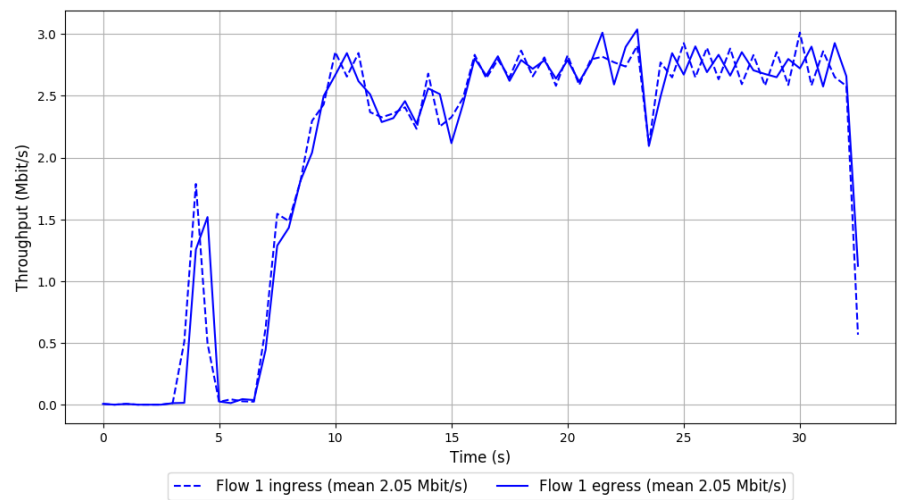
-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 163.850 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-20 13:53:58

End at: 2018-02-20 13:54:28

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 136.271 ms

Loss rate: 0.04%

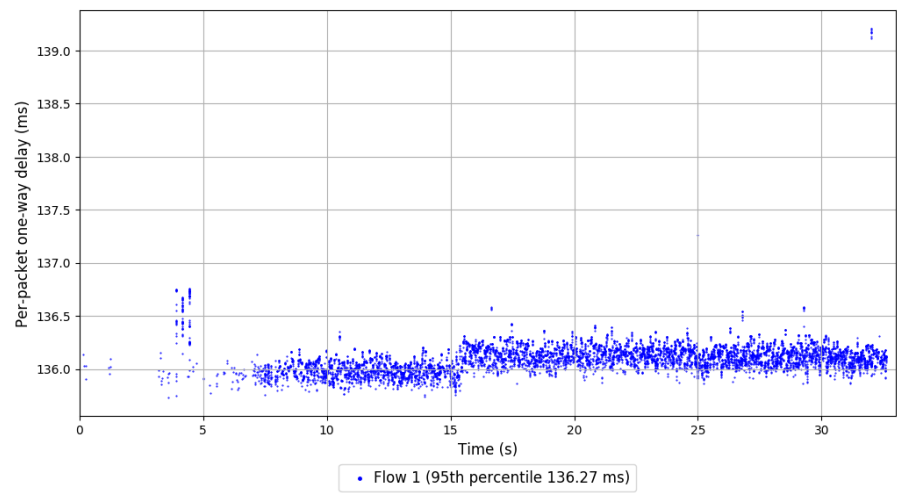
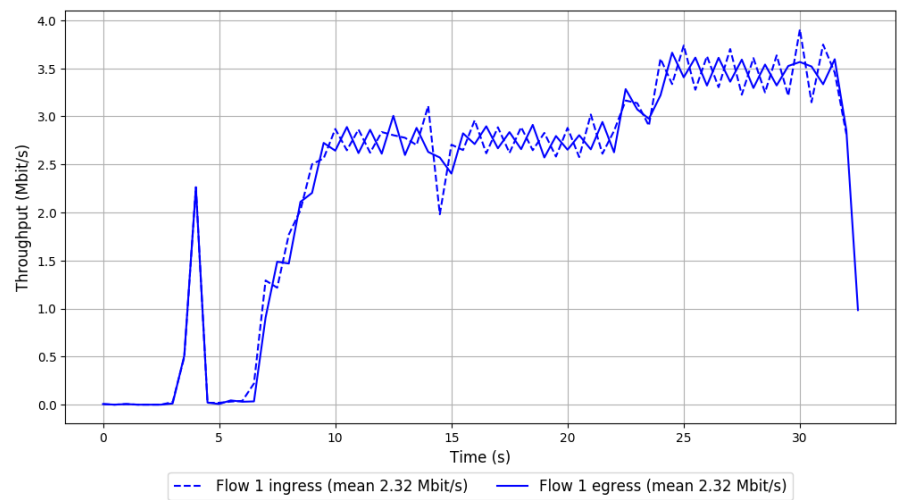
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 136.271 ms

Loss rate: 0.04%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-02-20 14:10:32

End at: 2018-02-20 14:11:02

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 135.894 ms

Loss rate: 0.00%

-- Flow 1:

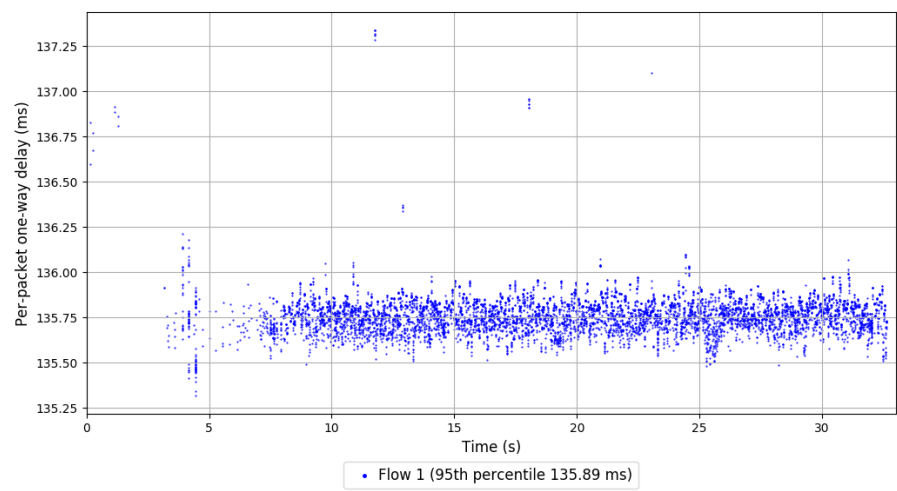
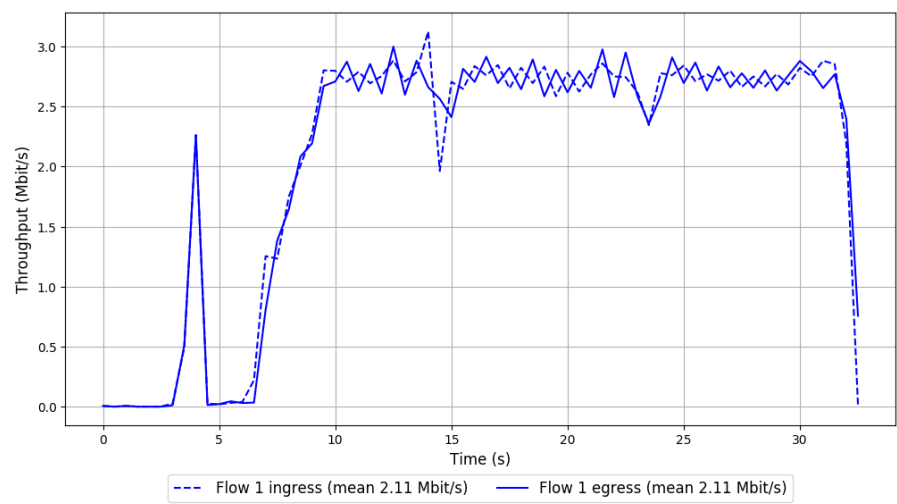
Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 135.894 ms

Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-20 14:26:49

End at: 2018-02-20 14:27:19

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 136.389 ms

Loss rate: 0.00%

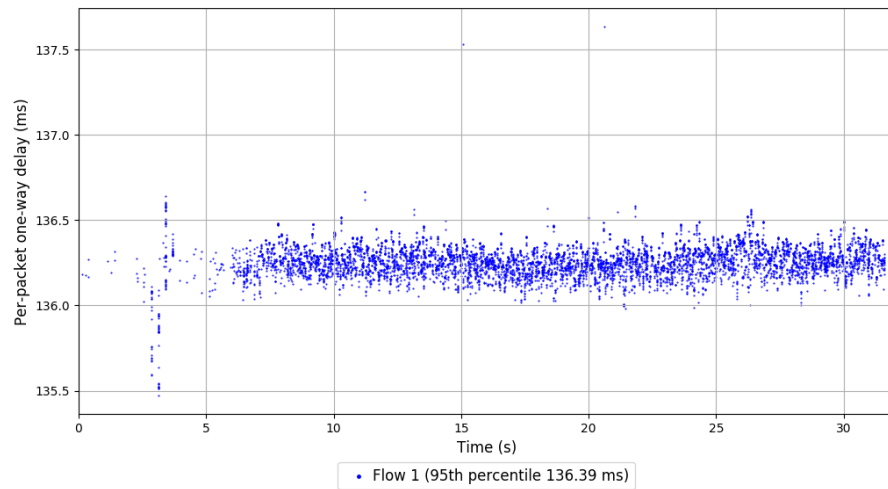
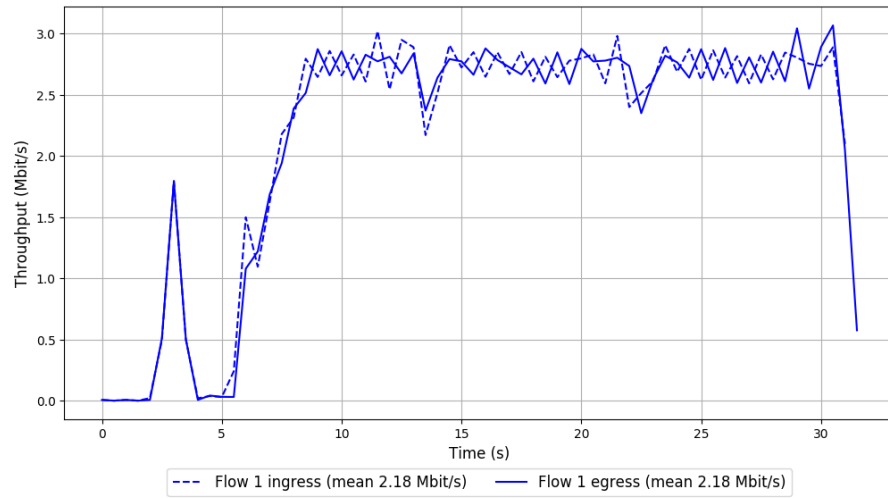
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 136.389 ms

Loss rate: 0.00%

# Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-02-20 11:55:21

End at: 2018-02-20 11:55:51

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 136.918 ms

Loss rate: 0.00%

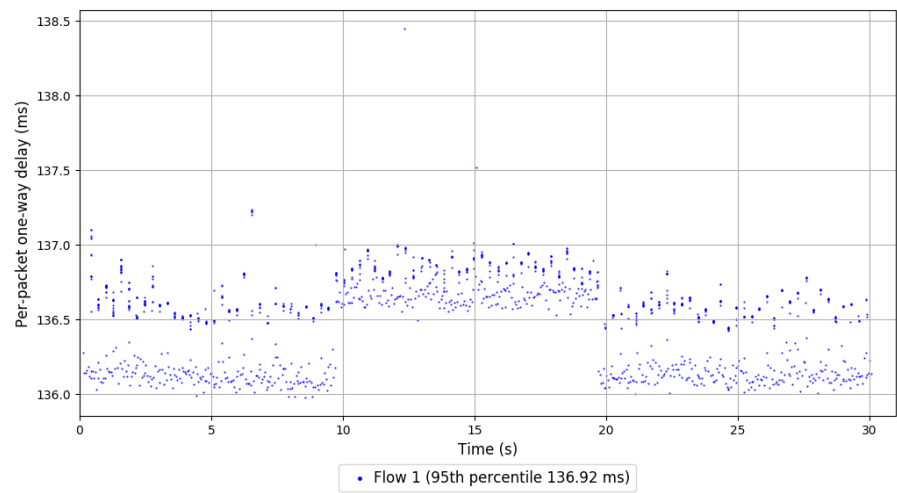
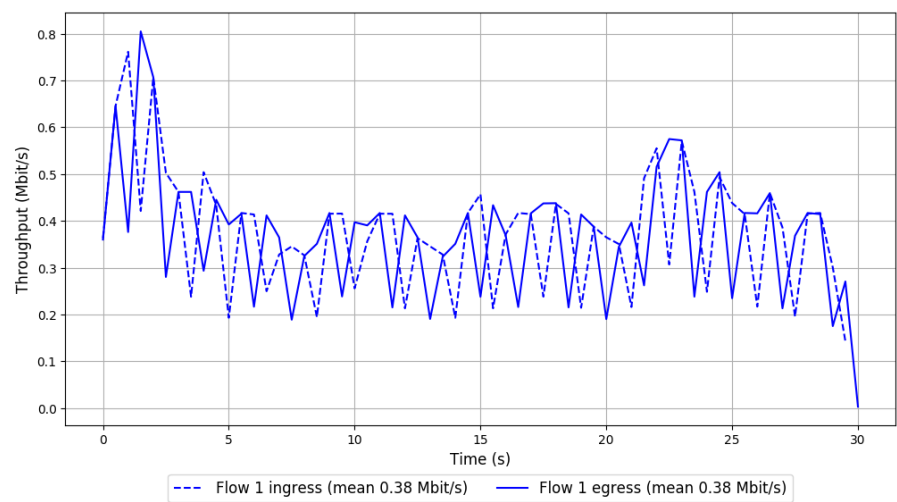
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 136.918 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-02-20 12:11:10

End at: 2018-02-20 12:11:40

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 140.462 ms

Loss rate: 0.00%

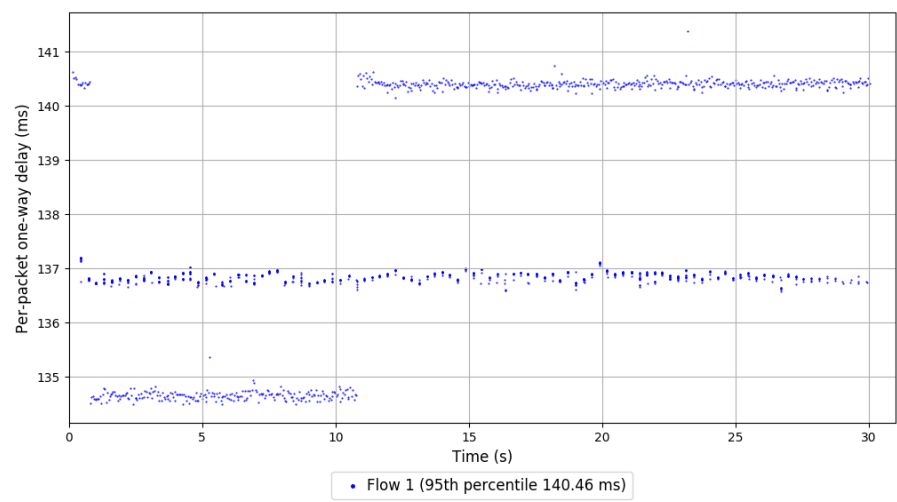
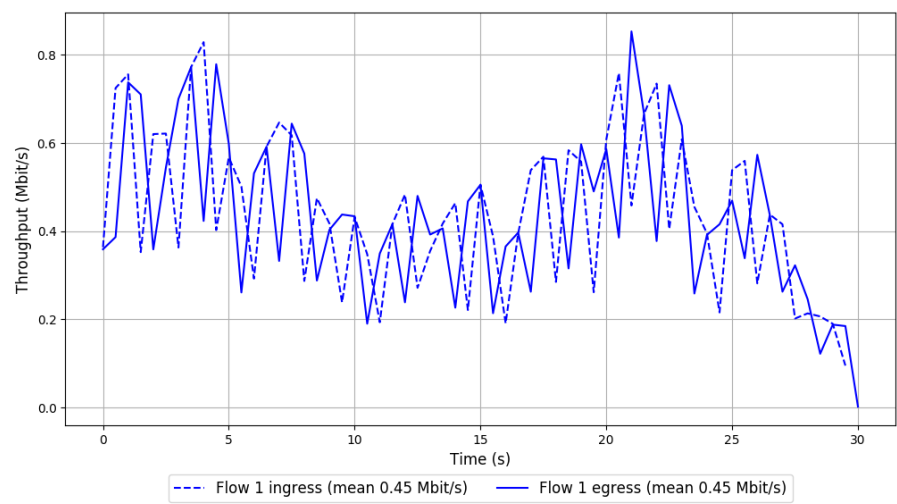
-- Flow 1:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 140.462 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-02-20 12:27:16

End at: 2018-02-20 12:27:46

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 136.656 ms

Loss rate: 0.00%

-- Flow 1:

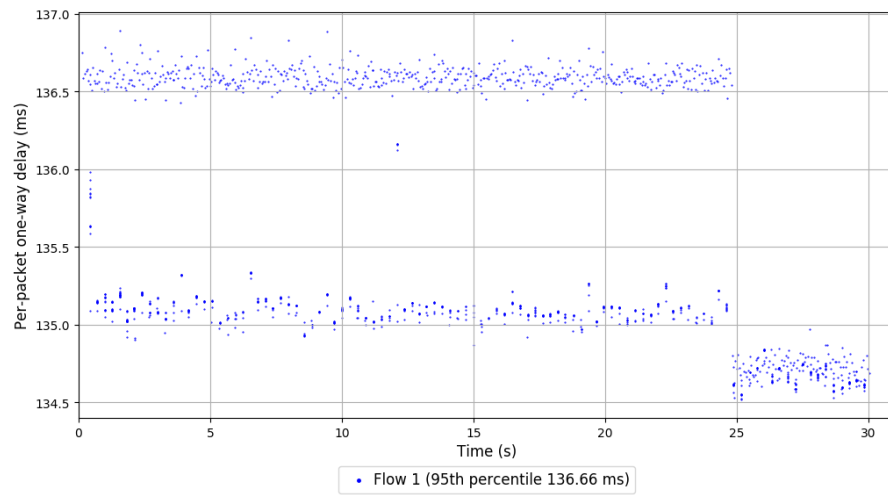
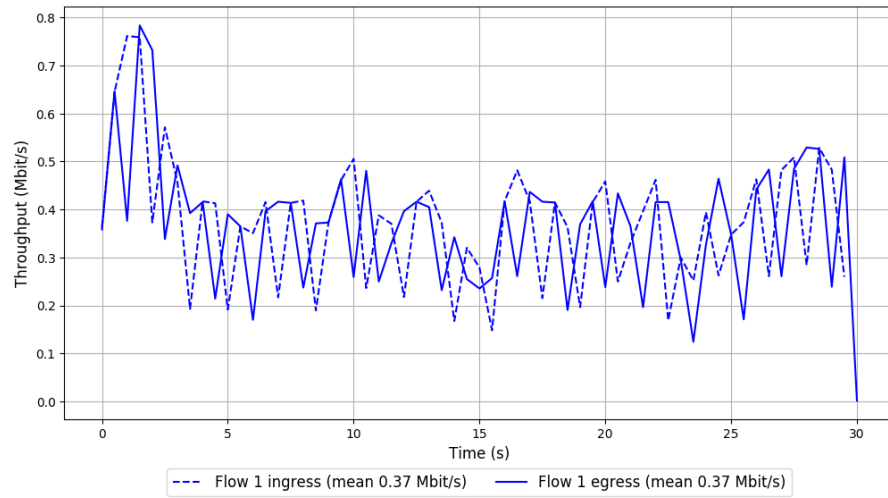
Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 136.656 ms

Loss rate: 0.00%



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



Run 4: Statistics of Sprout

Start at: 2018-02-20 12:43:31

End at: 2018-02-20 12:44:01

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 163.296 ms

Loss rate: 0.00%

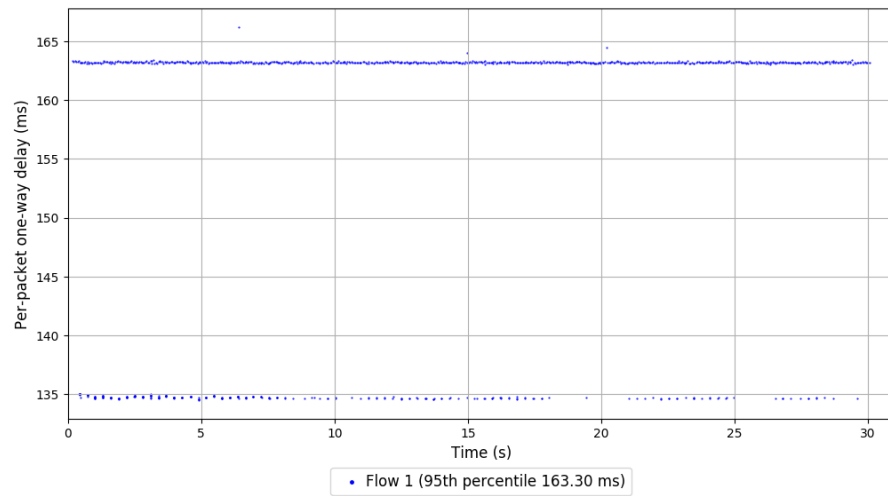
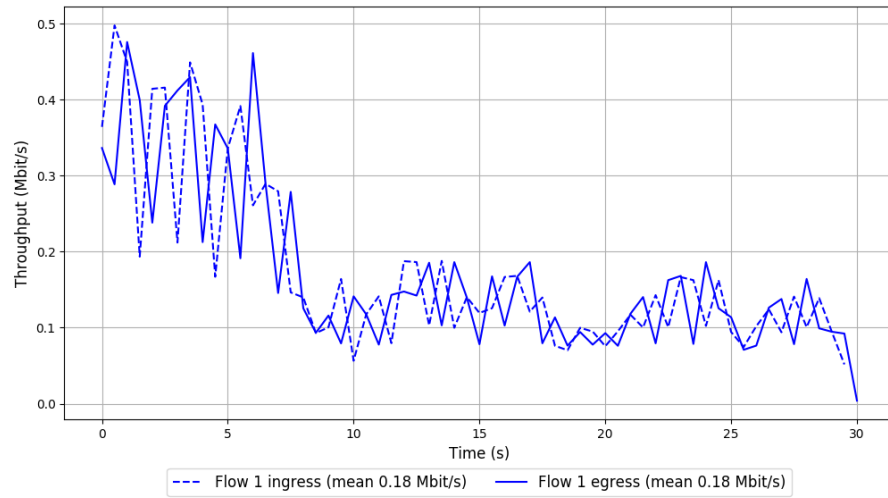
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 163.296 ms

Loss rate: 0.00%

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



Run 5: Statistics of Sprout

Start at: 2018-02-20 12:59:49

End at: 2018-02-20 13:00:19

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 163.006 ms

Loss rate: 0.00%

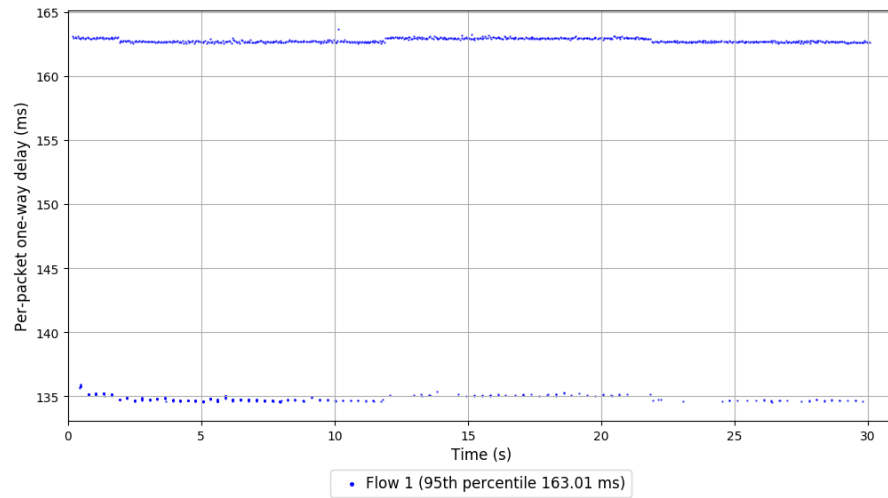
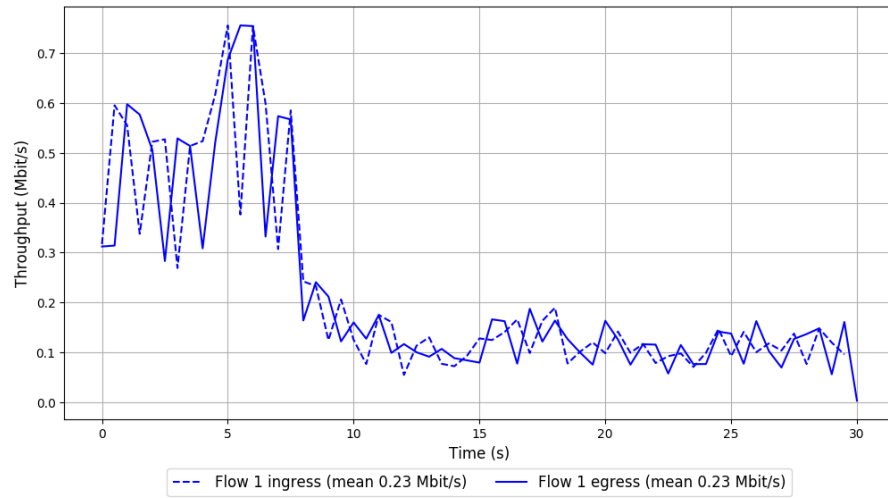
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 163.006 ms

Loss rate: 0.00%

## Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-02-20 13:16:31

End at: 2018-02-20 13:17:01

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 162.951 ms

Loss rate: 0.00%

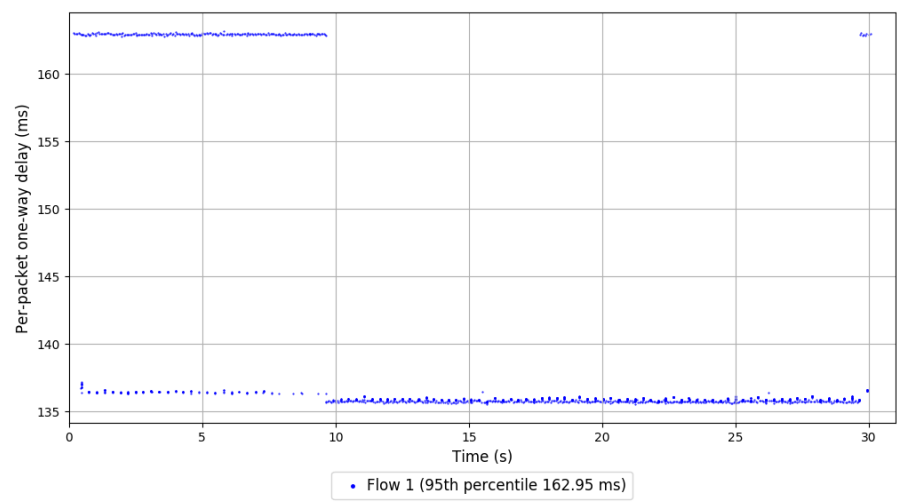
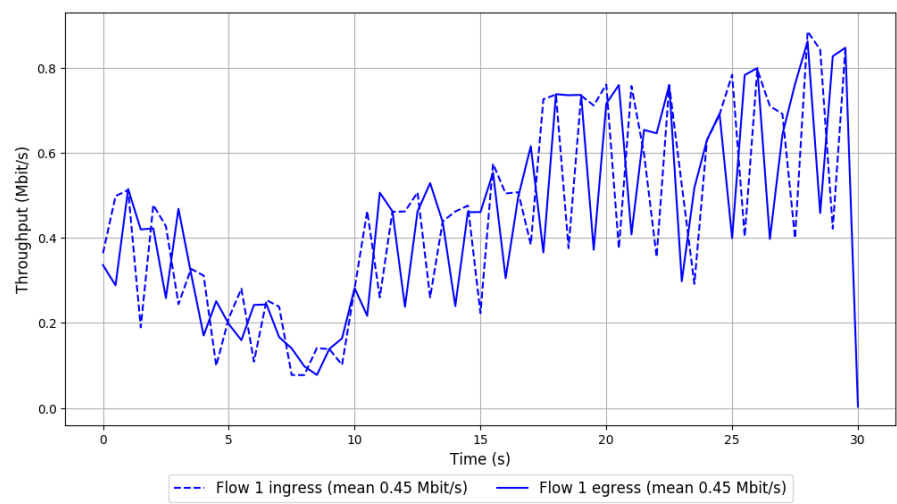
-- Flow 1:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 162.951 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-02-20 13:32:59

End at: 2018-02-20 13:33:29

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 163.322 ms

Loss rate: 0.00%

-- Flow 1:

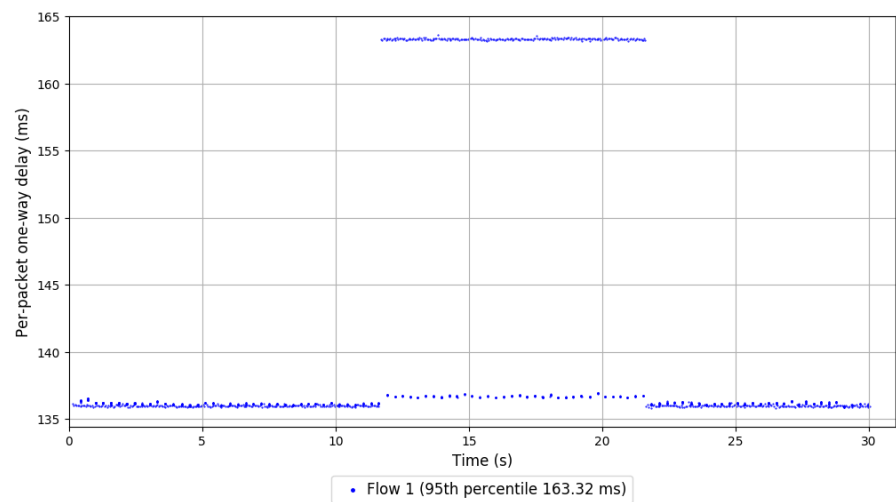
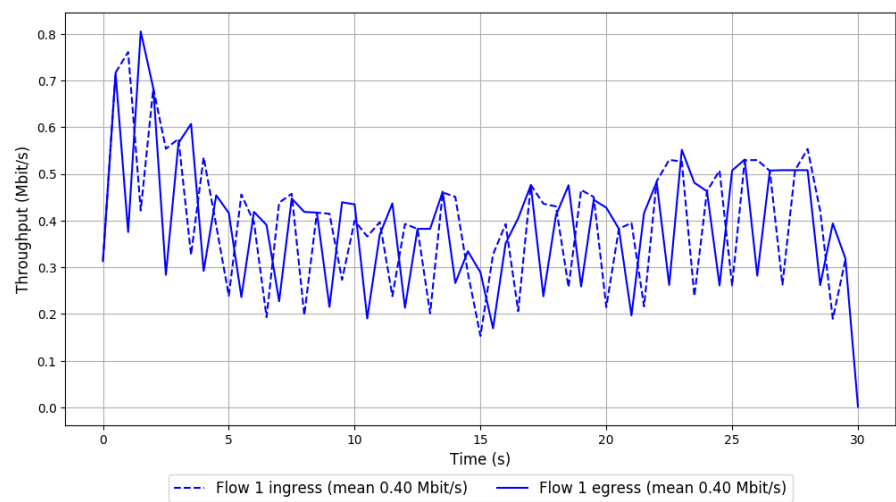
Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 163.322 ms

Loss rate: 0.00%



Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-02-20 13:49:28

End at: 2018-02-20 13:49:58

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 161.438 ms

Loss rate: 0.00%

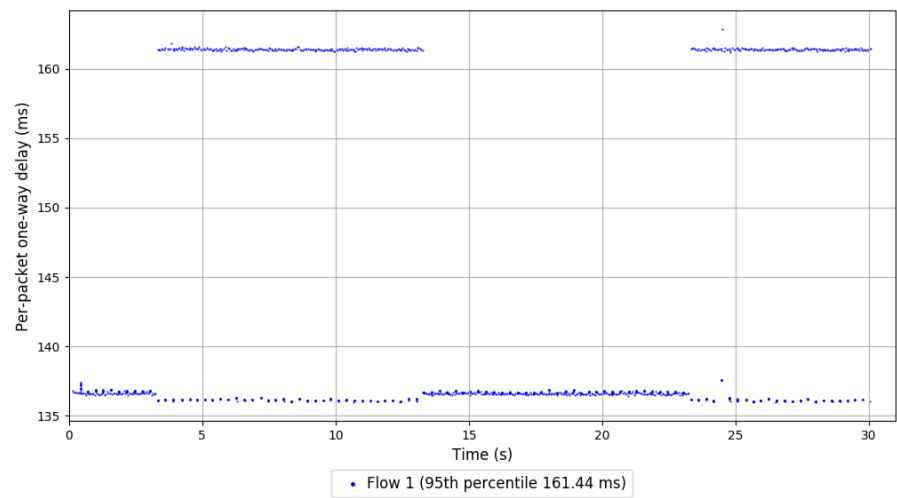
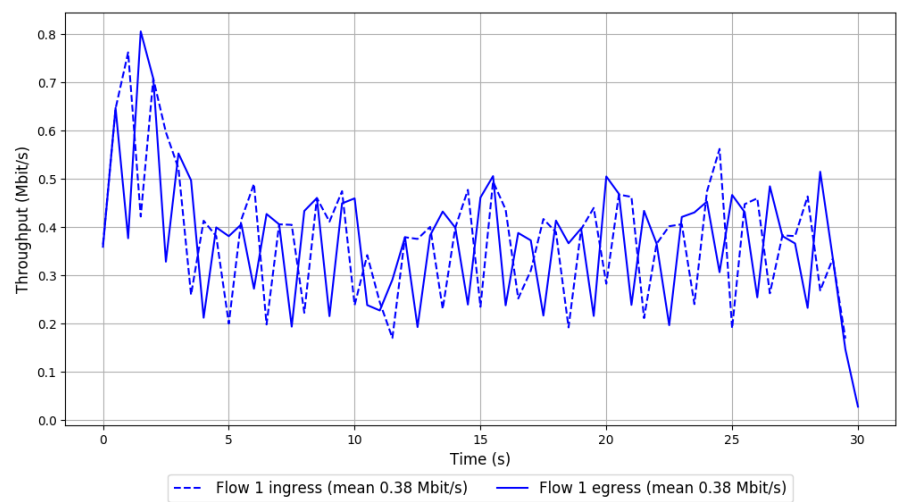
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 161.438 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-02-20 14:05:47

End at: 2018-02-20 14:06:17

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 136.298 ms

Loss rate: 0.00%

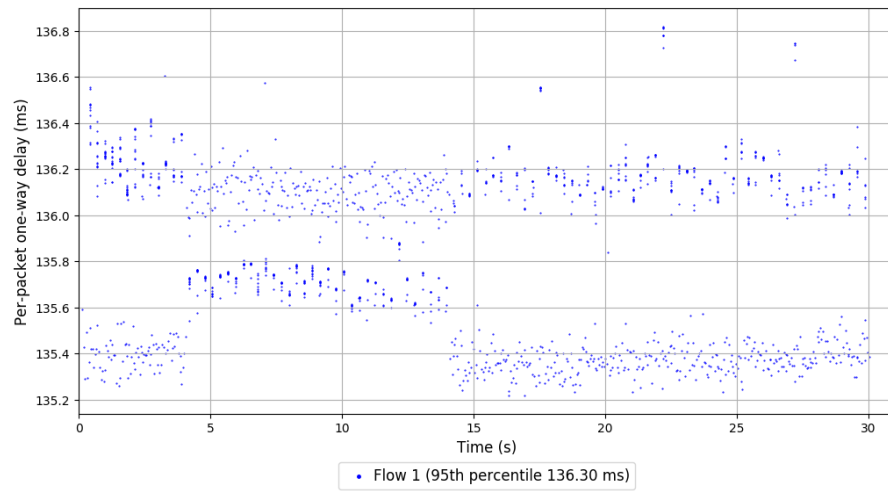
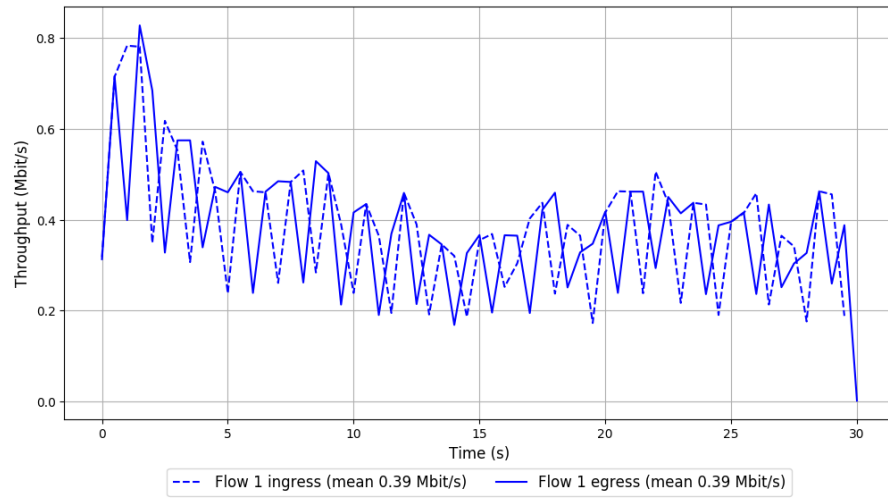
-- Flow 1:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 136.298 ms

Loss rate: 0.00%

## Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-20 14:22:09

End at: 2018-02-20 14:22:39

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 136.828 ms

Loss rate: 0.00%

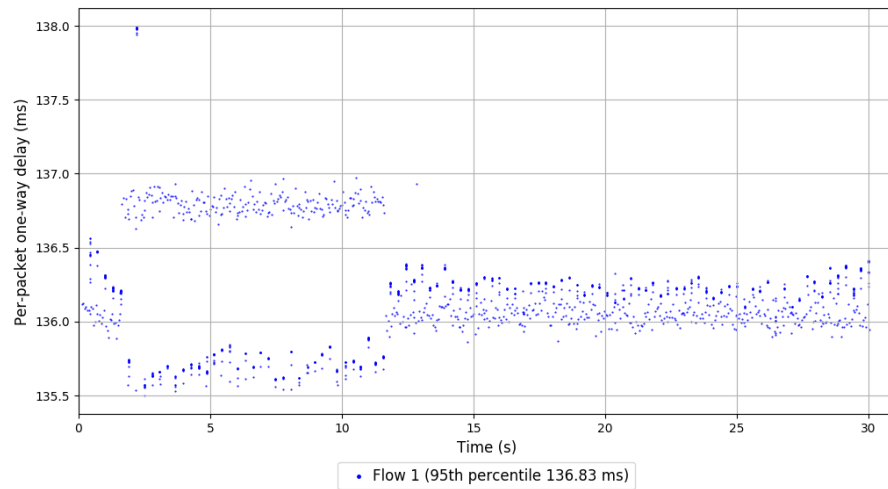
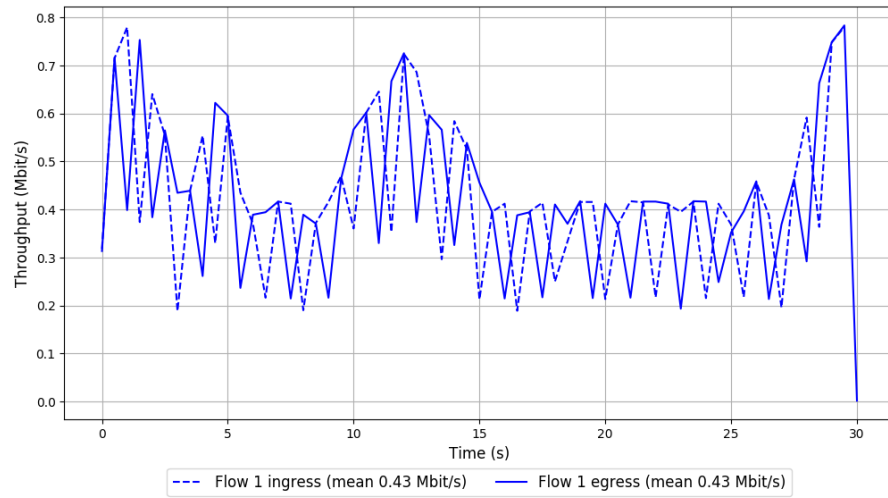
-- Flow 1:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 136.828 ms

Loss rate: 0.00%

# Run 10: Report of Sprout — Data Link



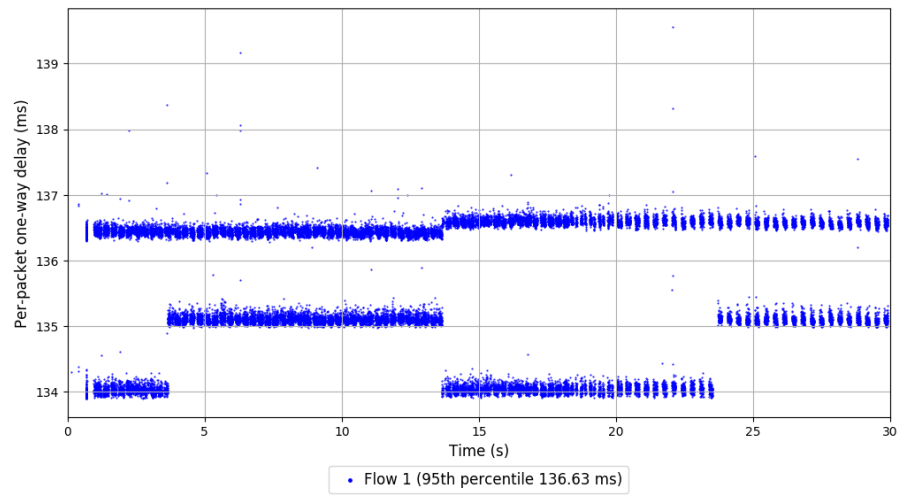
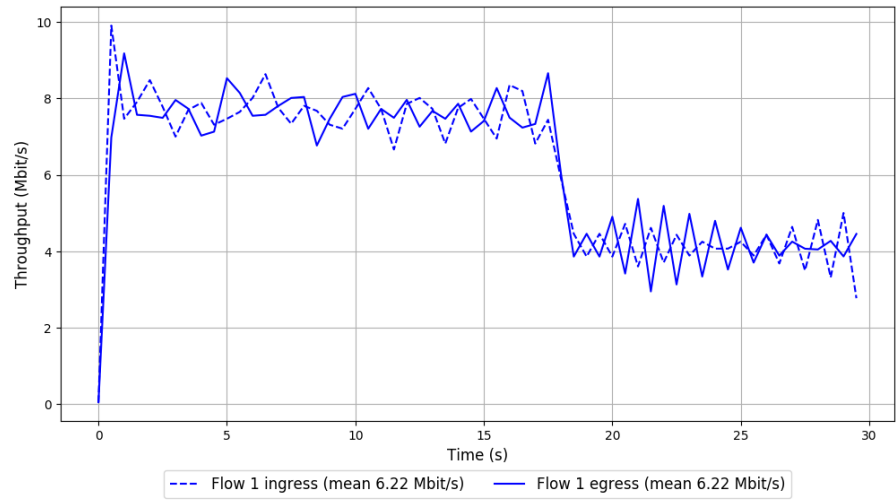
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-20 11:58:17
End at: 2018-02-20 11:58:47

# Below is generated by plot.py at 2018-02-20 16:05:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.22 Mbit/s
95th percentile per-packet one-way delay: 136.633 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.22 Mbit/s
95th percentile per-packet one-way delay: 136.633 ms
Loss rate: 0.00%
```



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

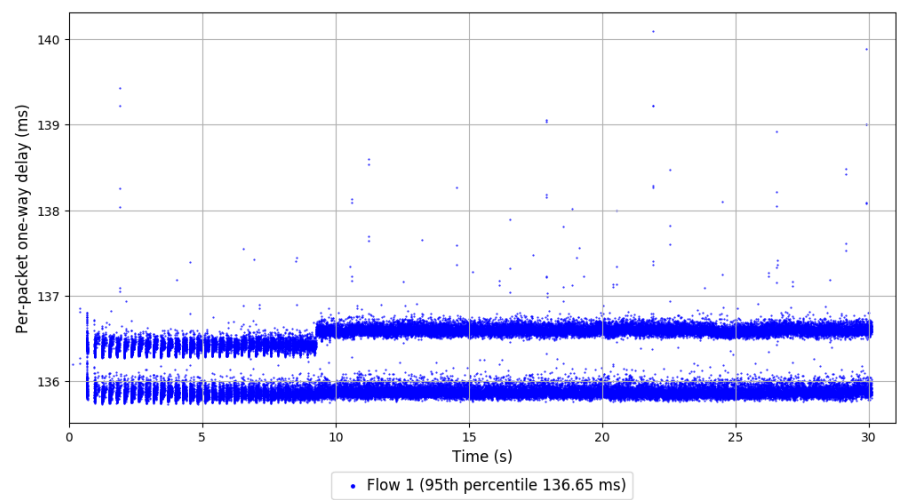
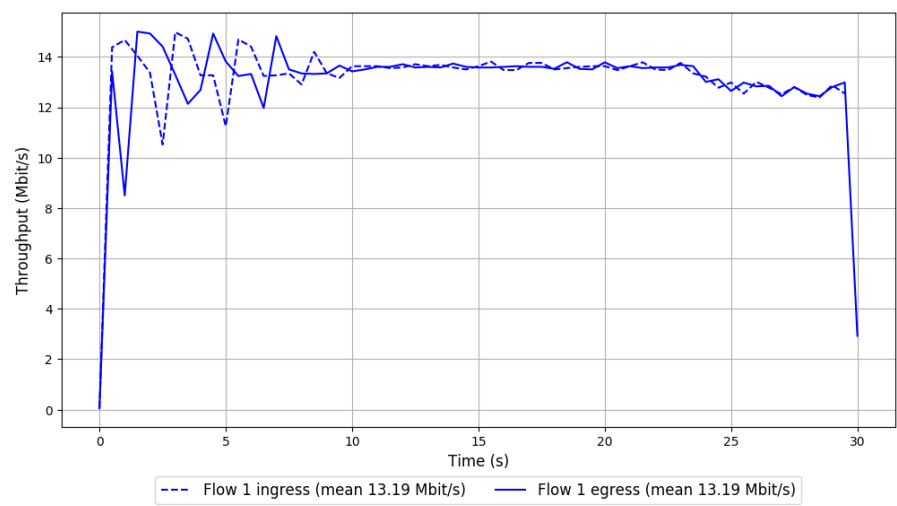


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-02-20 12:14:12
End at: 2018-02-20 12:14:42

# Below is generated by plot.py at 2018-02-20 16:05:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 136.651 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 136.651 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-02-20 12:30:17

End at: 2018-02-20 12:30:47

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.32 Mbit/s

95th percentile per-packet one-way delay: 161.745 ms

Loss rate: 0.00%

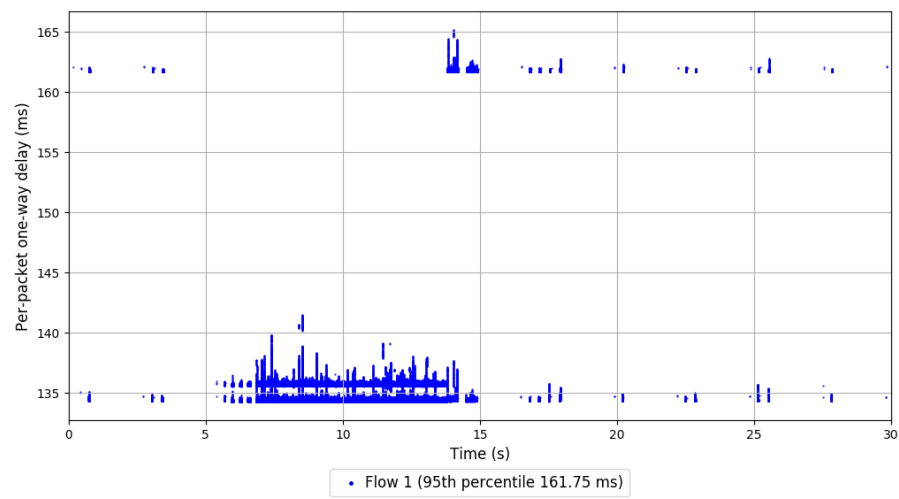
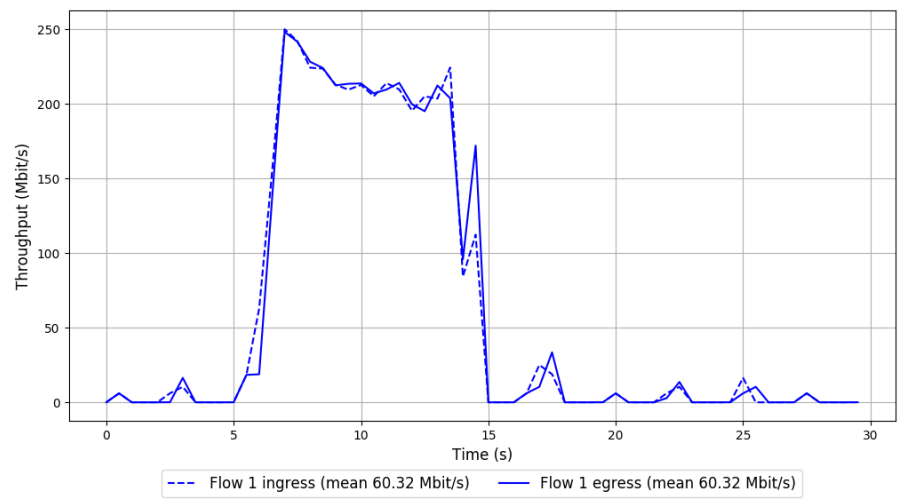
-- Flow 1:

Average throughput: 60.32 Mbit/s

95th percentile per-packet one-way delay: 161.745 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-20 12:46:32

End at: 2018-02-20 12:47:02

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.90 Mbit/s

95th percentile per-packet one-way delay: 161.848 ms

Loss rate: 0.00%

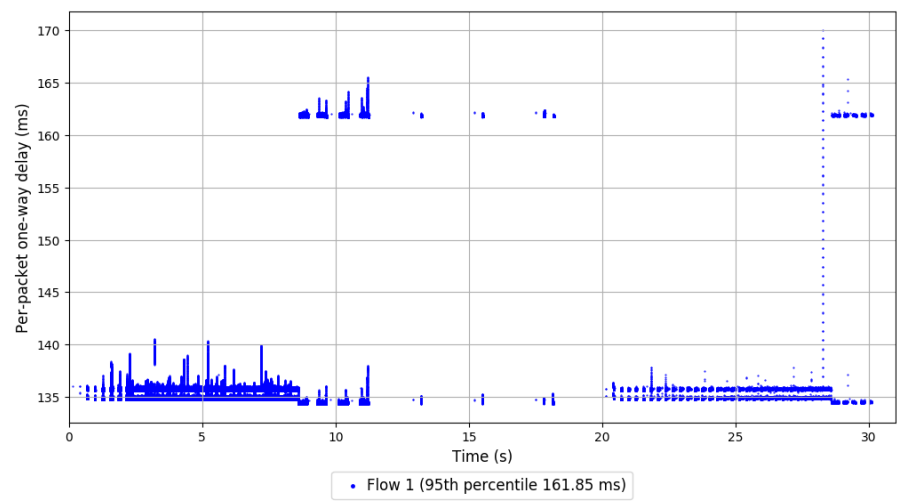
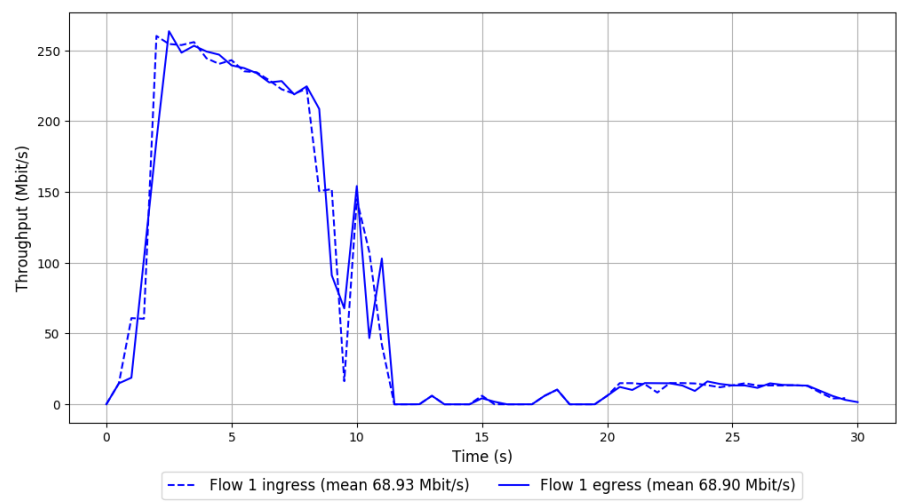
-- Flow 1:

Average throughput: 68.90 Mbit/s

95th percentile per-packet one-way delay: 161.848 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-20 13:02:53

End at: 2018-02-20 13:03:23

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 204.88 Mbit/s

95th percentile per-packet one-way delay: 136.041 ms

Loss rate: 0.00%

-- Flow 1:

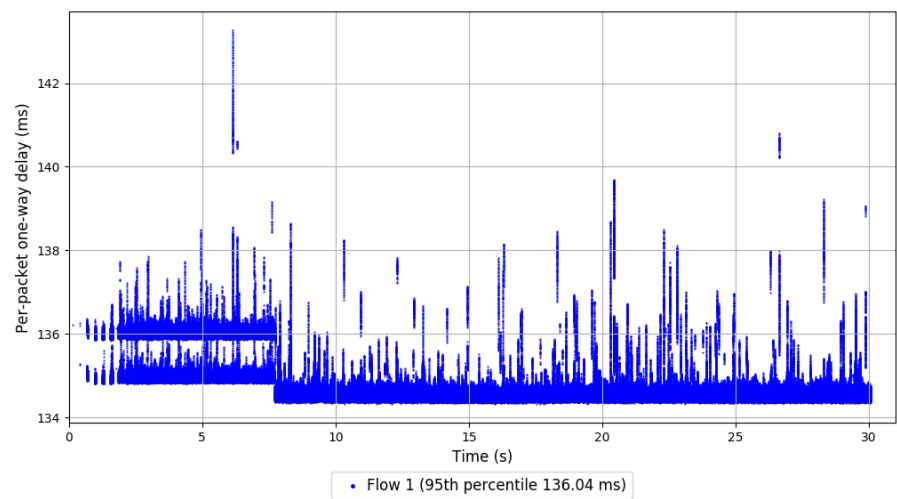
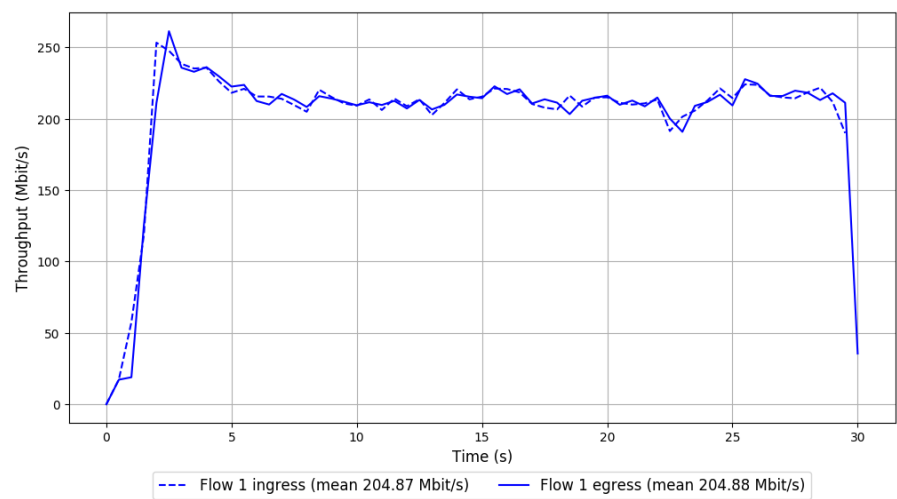
Average throughput: 204.88 Mbit/s

95th percentile per-packet one-way delay: 136.041 ms

Loss rate: 0.00%



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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-20 13:19:32

End at: 2018-02-20 13:20:03

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 182.92 Mbit/s

95th percentile per-packet one-way delay: 136.458 ms

Loss rate: 0.00%

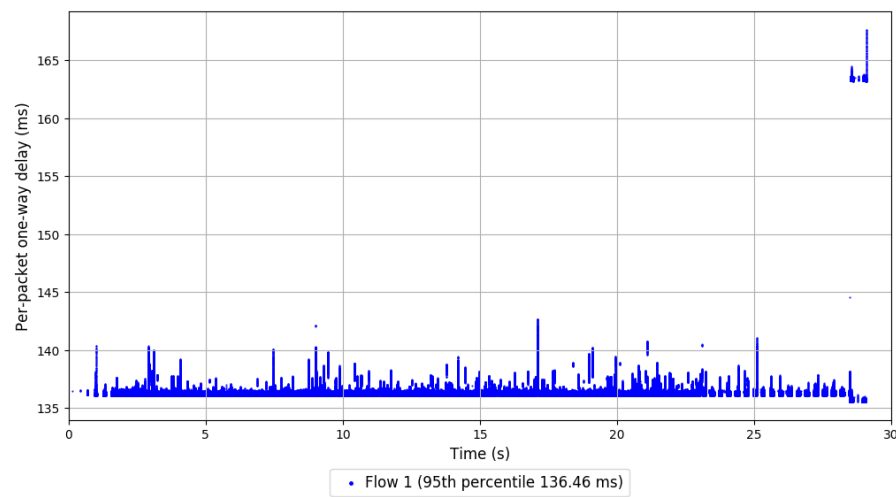
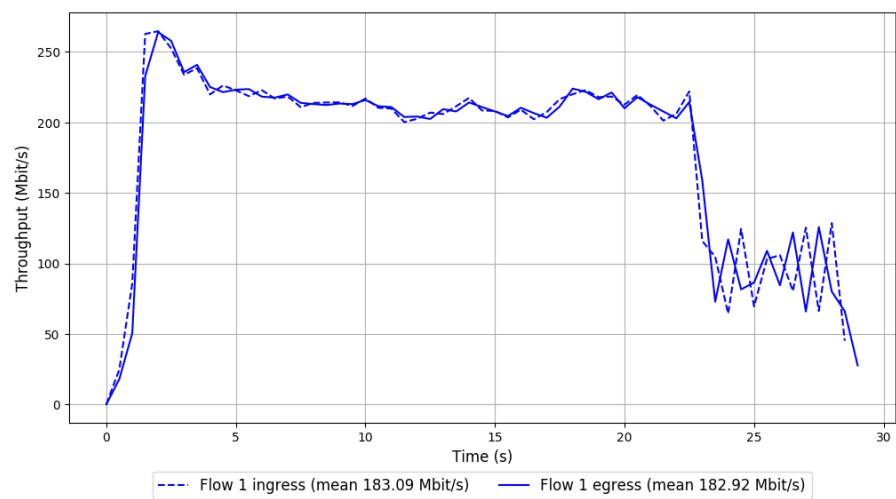
-- Flow 1:

Average throughput: 182.92 Mbit/s

95th percentile per-packet one-way delay: 136.458 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-20 13:36:01

End at: 2018-02-20 13:36:31

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 147.65 Mbit/s

95th percentile per-packet one-way delay: 136.850 ms

Loss rate: 0.00%

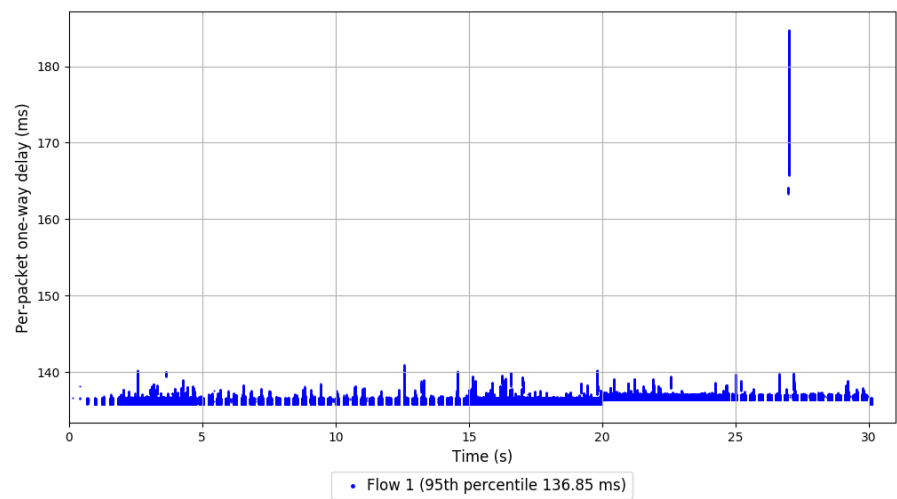
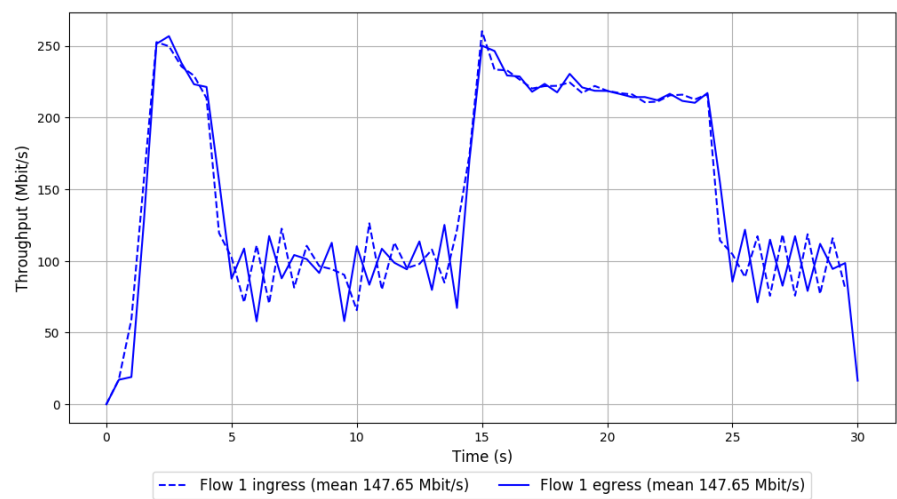
-- Flow 1:

Average throughput: 147.65 Mbit/s

95th percentile per-packet one-way delay: 136.850 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-20 13:52:30

End at: 2018-02-20 13:53:00

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.31 Mbit/s

95th percentile per-packet one-way delay: 136.308 ms

Loss rate: 0.00%

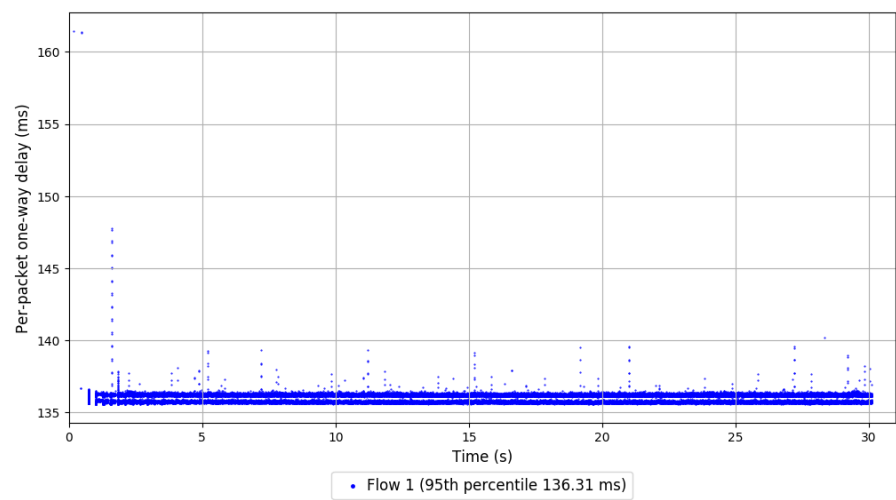
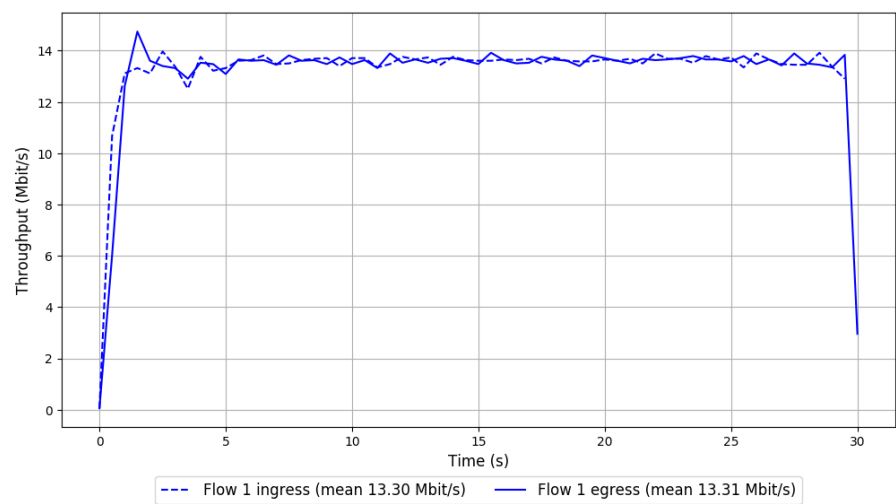
-- Flow 1:

Average throughput: 13.31 Mbit/s

95th percentile per-packet one-way delay: 136.308 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-02-20 14:08:49

End at: 2018-02-20 14:09:19

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 171.30 Mbit/s

95th percentile per-packet one-way delay: 136.750 ms

Loss rate: 0.00%

-- Flow 1:

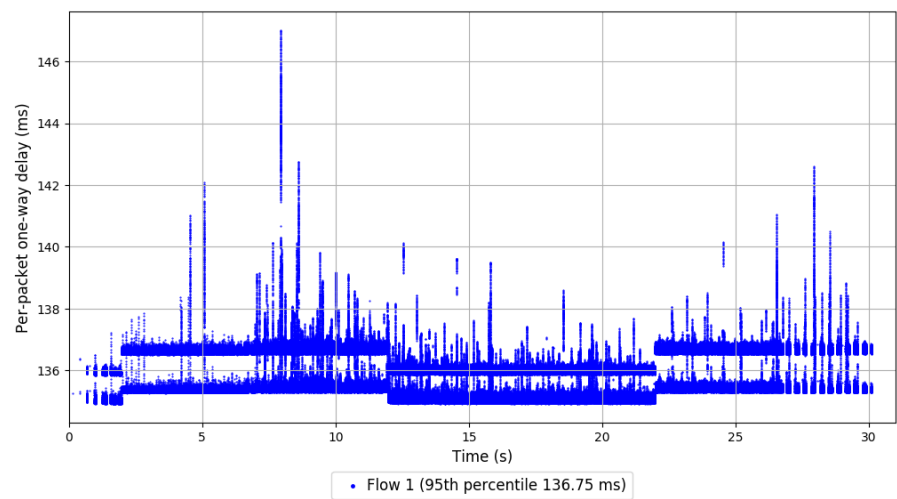
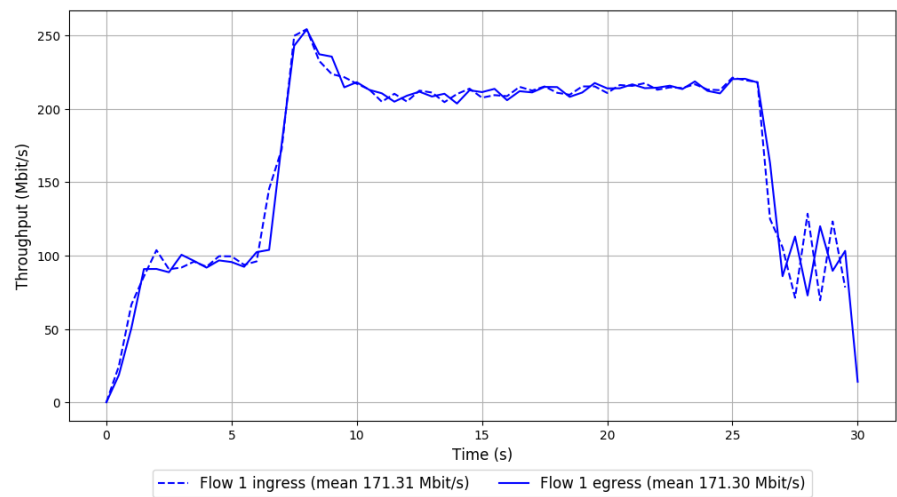
Average throughput: 171.30 Mbit/s

95th percentile per-packet one-way delay: 136.750 ms

Loss rate: 0.00%



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

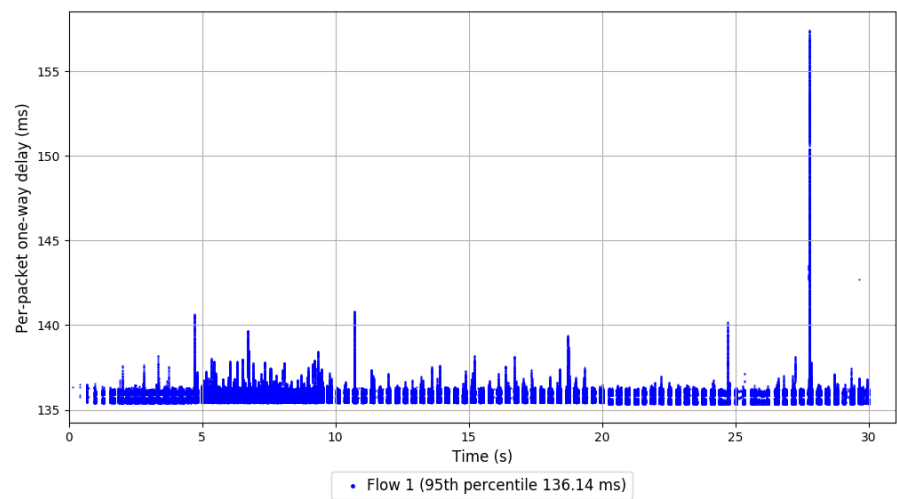
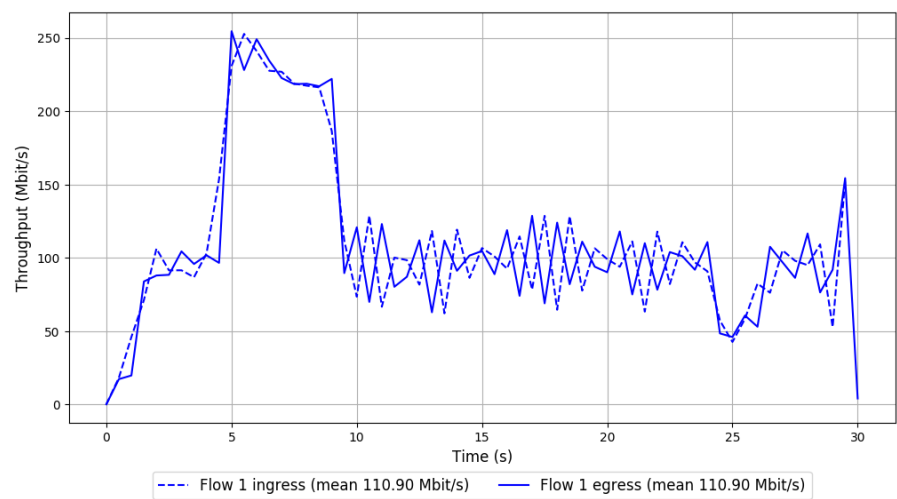


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-02-20 14:25:11
End at: 2018-02-20 14:25:41

# Below is generated by plot.py at 2018-02-20 16:05:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 110.90 Mbit/s
95th percentile per-packet one-way delay: 136.141 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 110.90 Mbit/s
95th percentile per-packet one-way delay: 136.141 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-02-20 11:56:51

End at: 2018-02-20 11:57:21

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 36.70 Mbit/s

95th percentile per-packet one-way delay: 139.013 ms

Loss rate: 0.00%

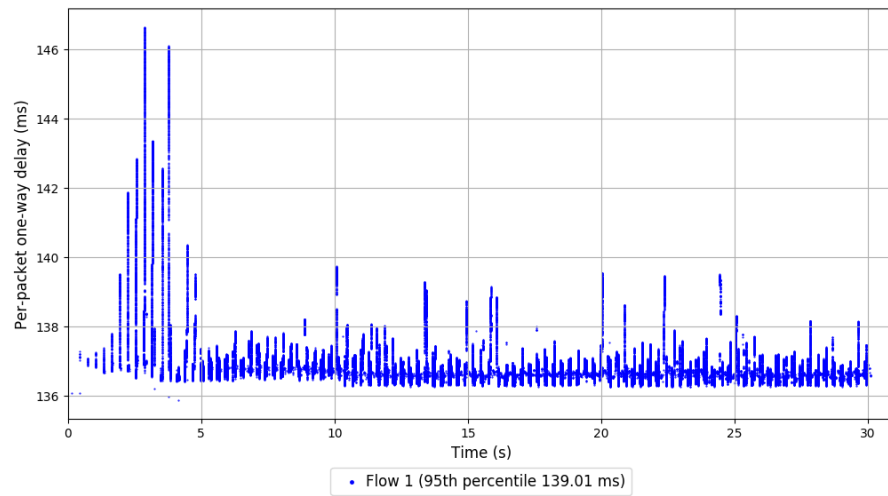
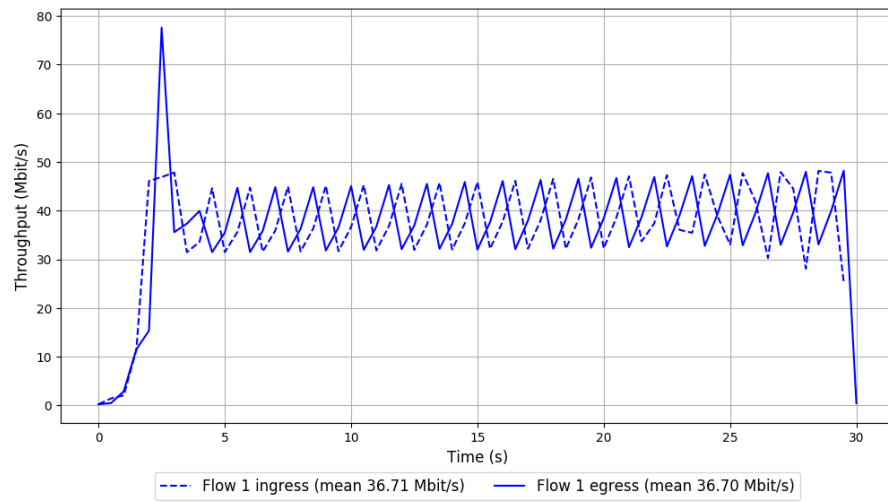
-- Flow 1:

Average throughput: 36.70 Mbit/s

95th percentile per-packet one-way delay: 139.013 ms

Loss rate: 0.00%

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



Run 2: Statistics of TCP Vegas

Start at: 2018-02-20 12:12:39

End at: 2018-02-20 12:13:09

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.31 Mbit/s

95th percentile per-packet one-way delay: 138.798 ms

Loss rate: 0.00%

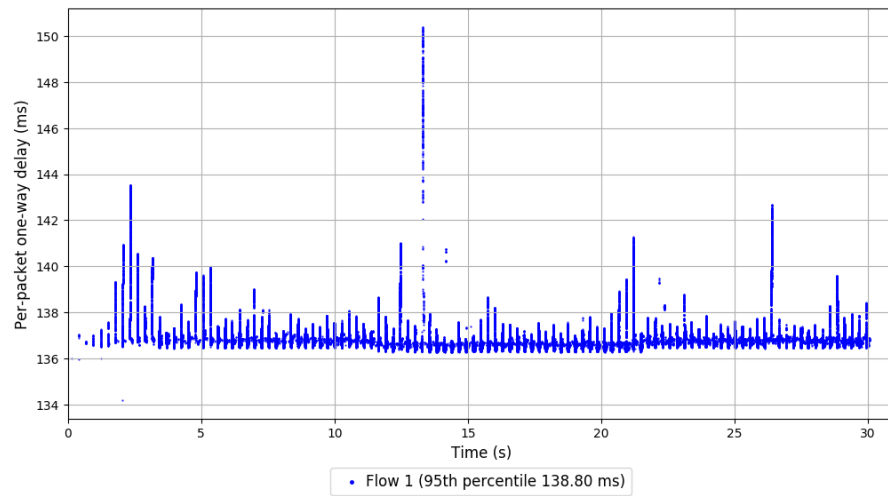
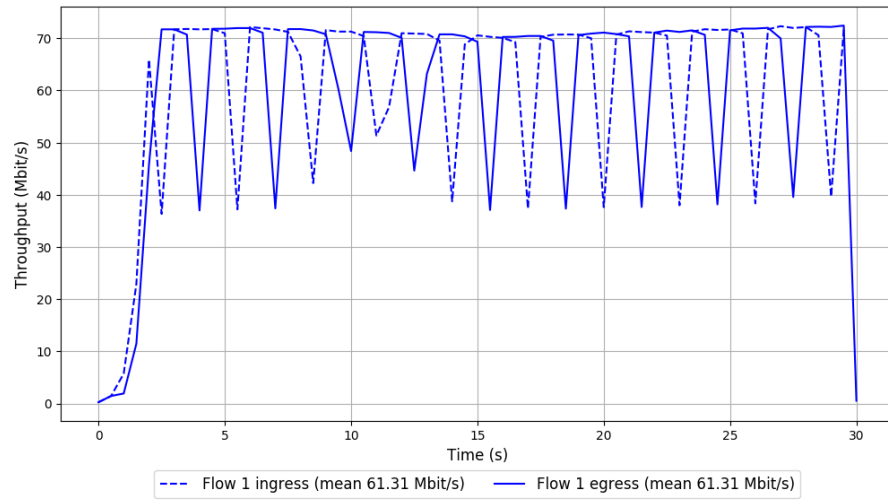
-- Flow 1:

Average throughput: 61.31 Mbit/s

95th percentile per-packet one-way delay: 138.798 ms

Loss rate: 0.00%

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



Run 3: Statistics of TCP Vegas

Start at: 2018-02-20 12:28:46

End at: 2018-02-20 12:29:16

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.43 Mbit/s

95th percentile per-packet one-way delay: 136.397 ms

Loss rate: 0.00%

-- Flow 1:

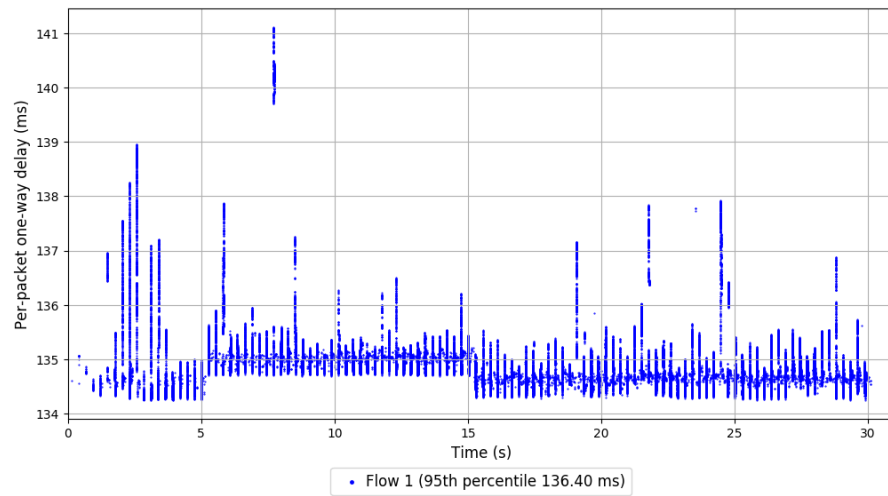
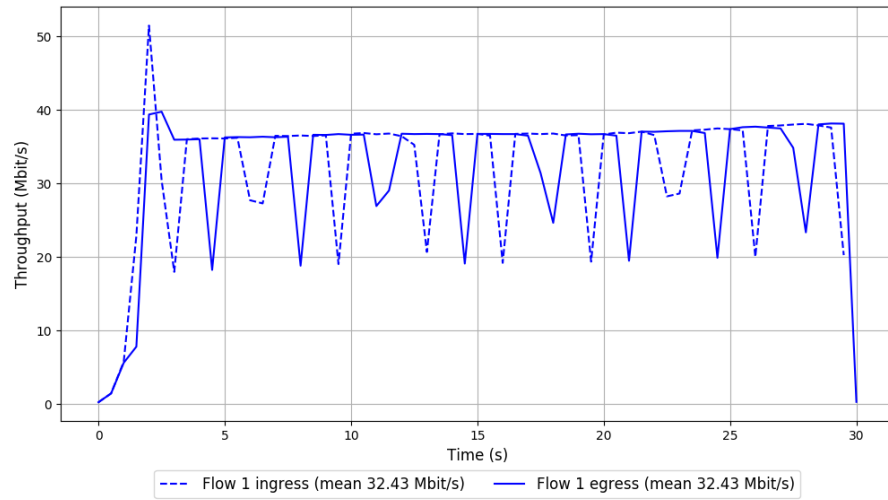
Average throughput: 32.43 Mbit/s

95th percentile per-packet one-way delay: 136.397 ms

Loss rate: 0.00%



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



Run 4: Statistics of TCP Vegas

Start at: 2018-02-20 12:45:02

End at: 2018-02-20 12:45:32

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 25.31 Mbit/s

95th percentile per-packet one-way delay: 136.043 ms

Loss rate: 0.00%

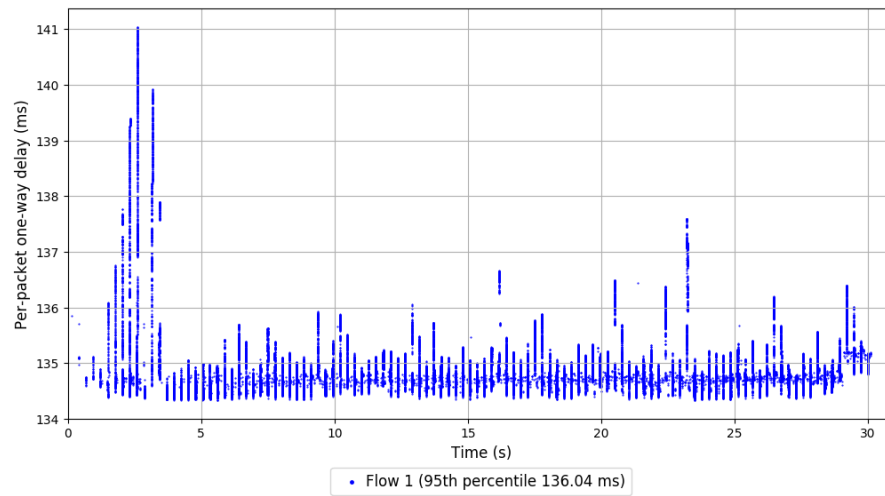
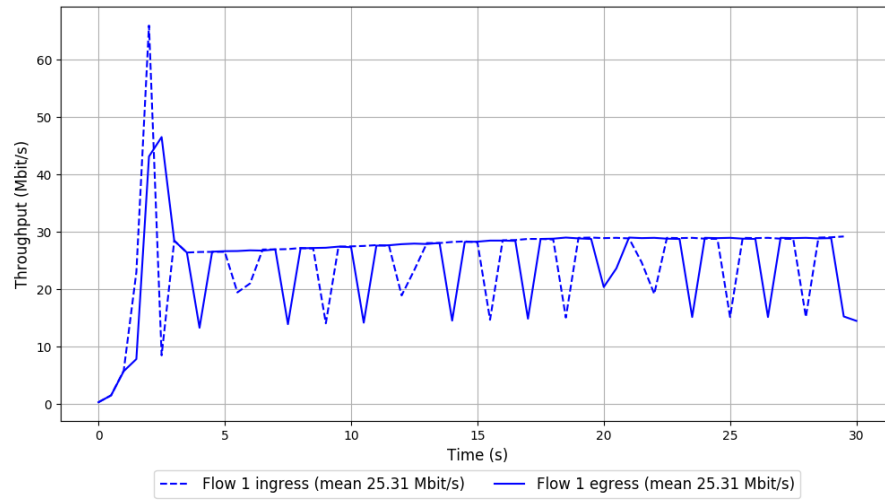
-- Flow 1:

Average throughput: 25.31 Mbit/s

95th percentile per-packet one-way delay: 136.043 ms

Loss rate: 0.00%

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



Run 5: Statistics of TCP Vegas

Start at: 2018-02-20 13:01:21

End at: 2018-02-20 13:01:51

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 29.34 Mbit/s

95th percentile per-packet one-way delay: 139.321 ms

Loss rate: 0.06%

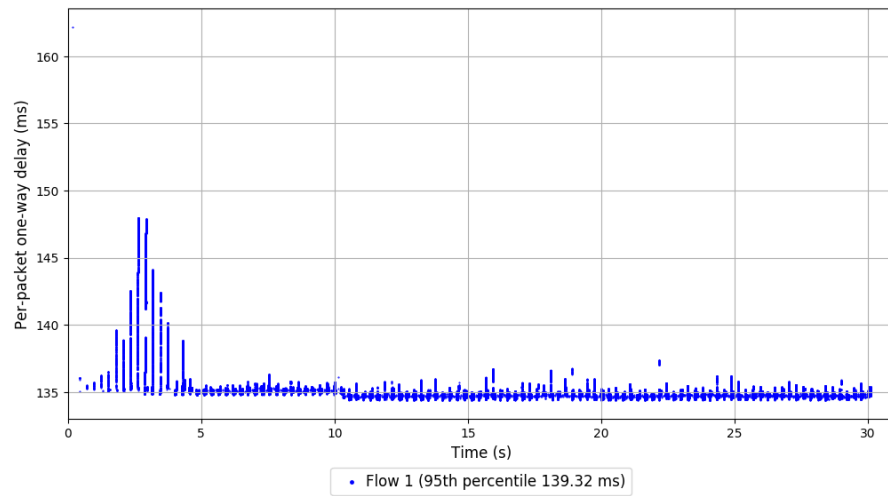
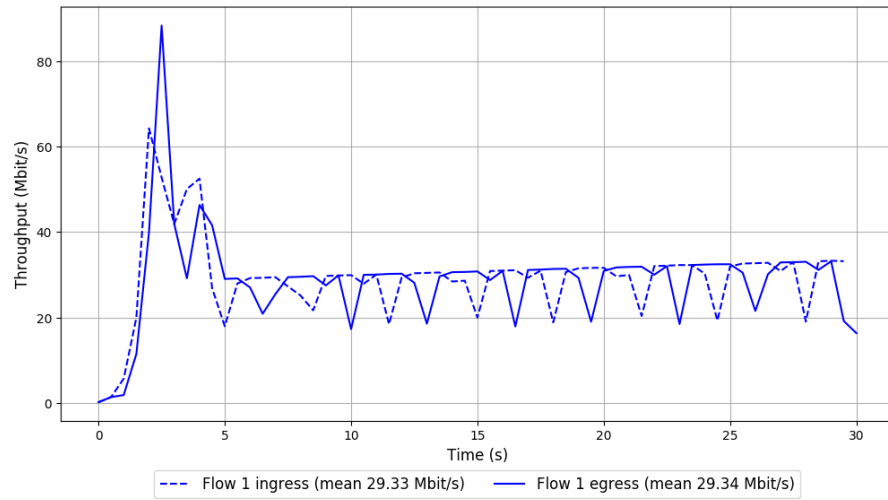
-- Flow 1:

Average throughput: 29.34 Mbit/s

95th percentile per-packet one-way delay: 139.321 ms

Loss rate: 0.06%

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



Run 6: Statistics of TCP Vegas

Start at: 2018-02-20 13:18:02

End at: 2018-02-20 13:18:32

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.92 Mbit/s

95th percentile per-packet one-way delay: 137.170 ms

Loss rate: 0.00%

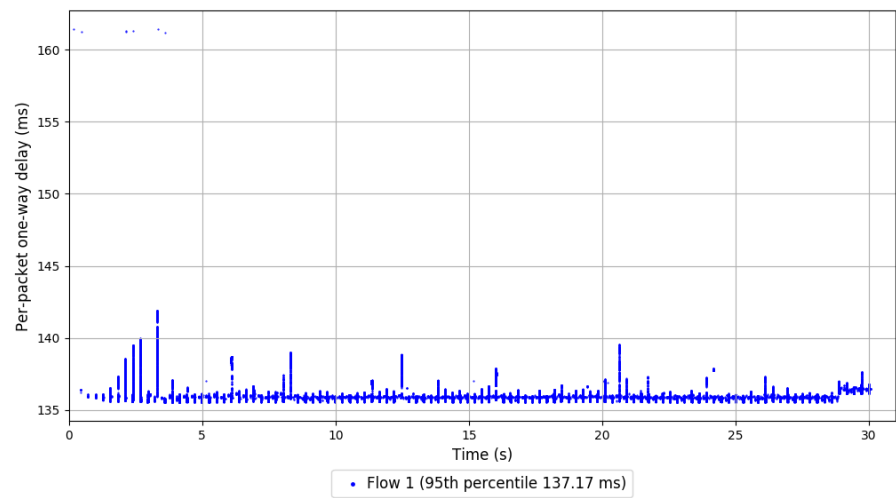
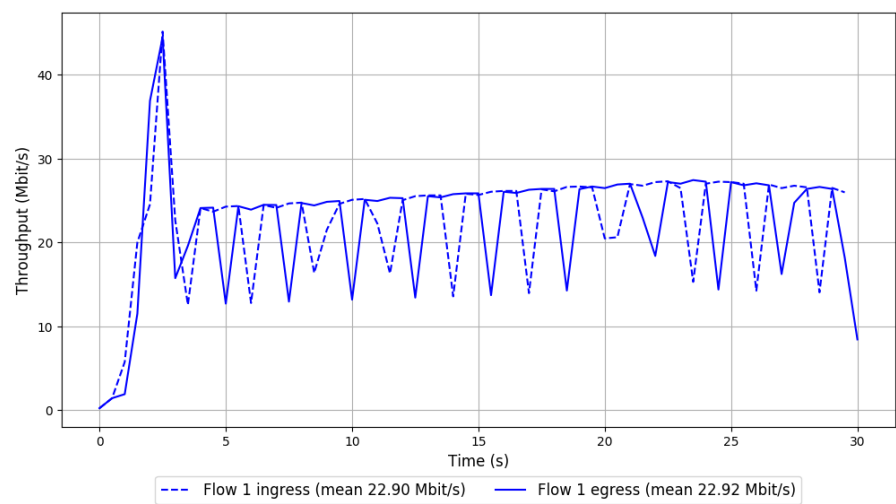
-- Flow 1:

Average throughput: 22.92 Mbit/s

95th percentile per-packet one-way delay: 137.170 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-20 13:34:29

End at: 2018-02-20 13:34:59

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.54 Mbit/s

95th percentile per-packet one-way delay: 137.837 ms

Loss rate: 0.00%

-- Flow 1:

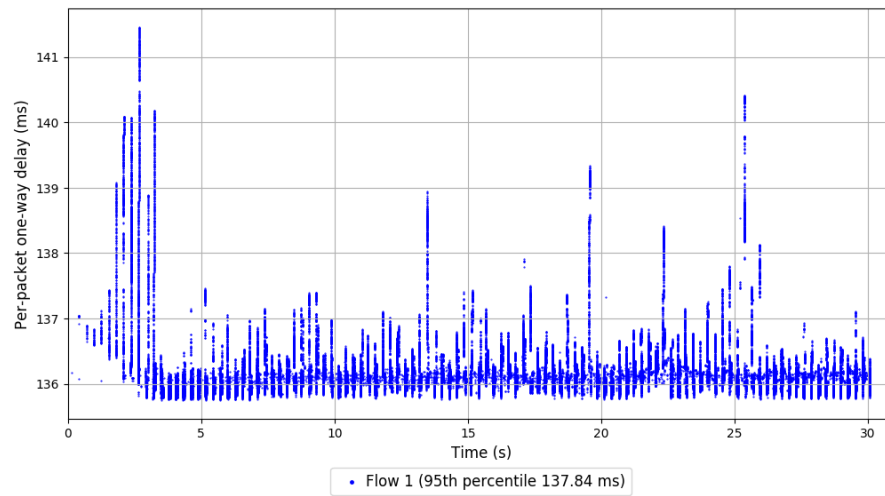
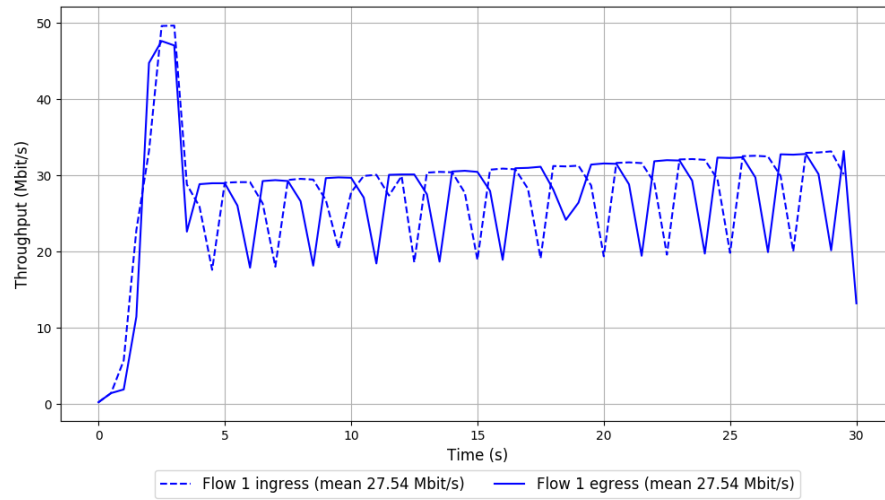
Average throughput: 27.54 Mbit/s

95th percentile per-packet one-way delay: 137.837 ms

Loss rate: 0.00%



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



Run 8: Statistics of TCP Vegas

Start at: 2018-02-20 13:50:59

End at: 2018-02-20 13:51:29

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 33.23 Mbit/s

95th percentile per-packet one-way delay: 137.890 ms

Loss rate: 0.00%

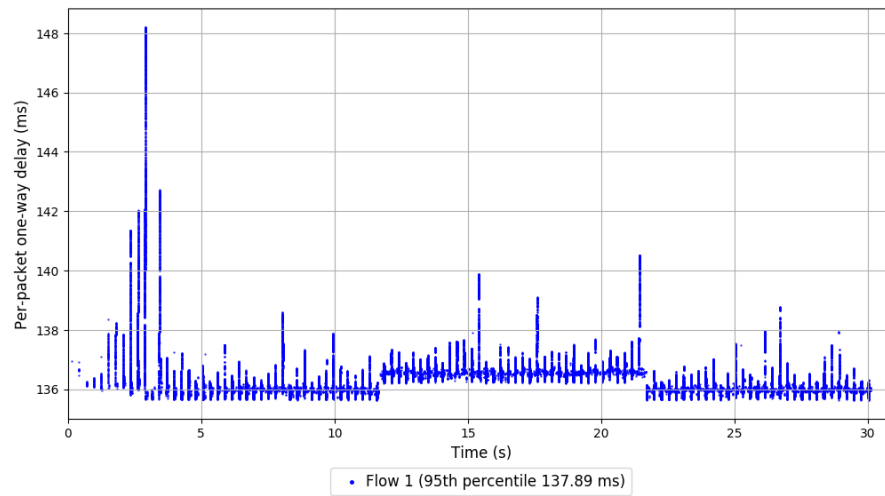
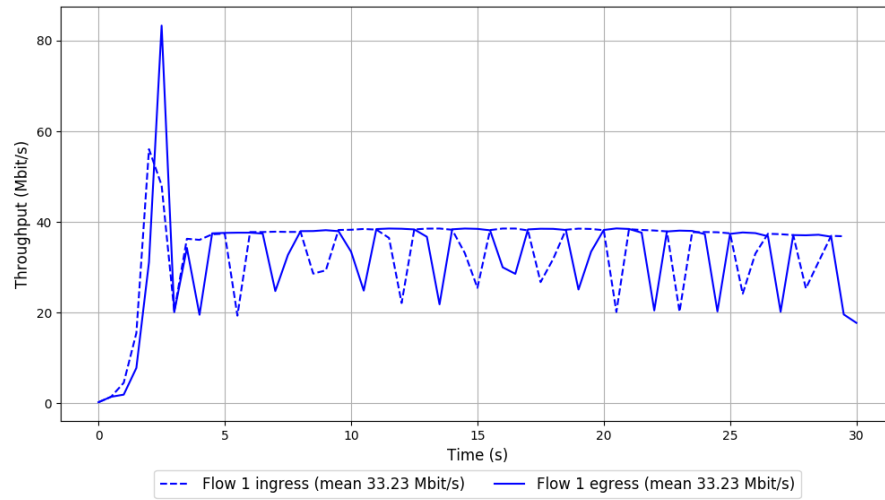
-- Flow 1:

Average throughput: 33.23 Mbit/s

95th percentile per-packet one-way delay: 137.890 ms

Loss rate: 0.00%

# Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-02-20 14:07:17

End at: 2018-02-20 14:07:47

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.55 Mbit/s

95th percentile per-packet one-way delay: 137.759 ms

Loss rate: 0.00%

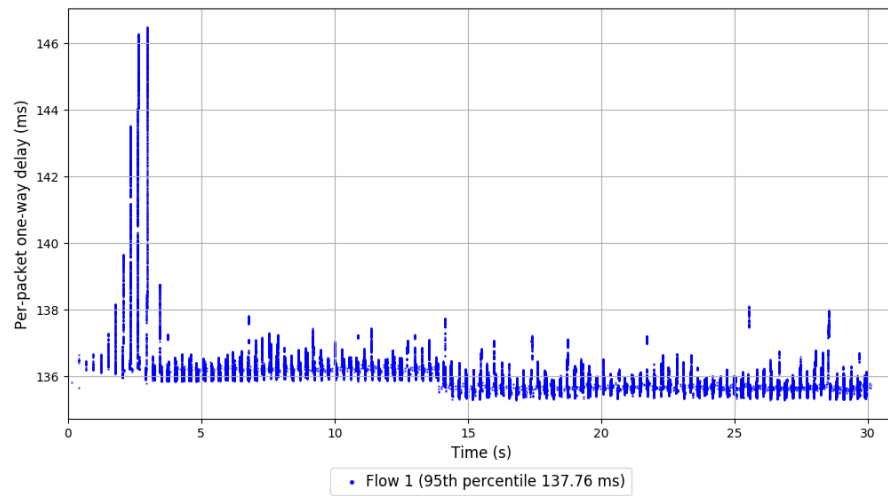
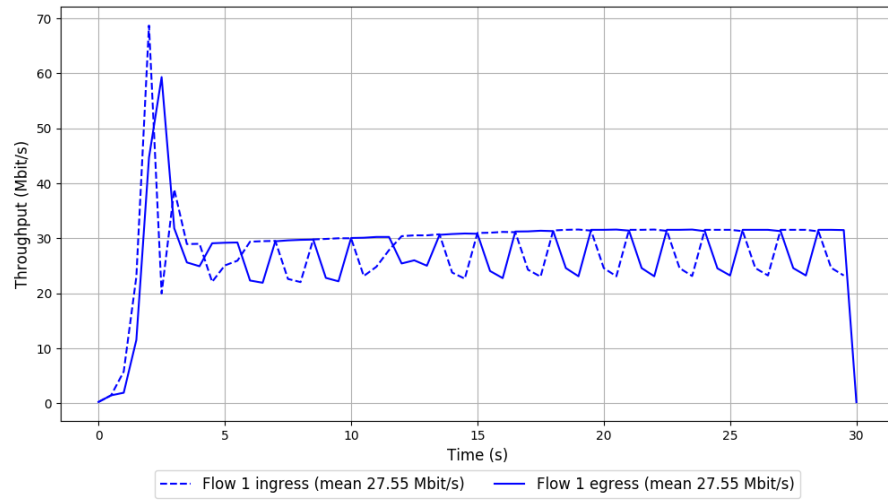
-- Flow 1:

Average throughput: 27.55 Mbit/s

95th percentile per-packet one-way delay: 137.759 ms

Loss rate: 0.00%

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



Run 10: Statistics of TCP Vegas

Start at: 2018-02-20 14:23:39

End at: 2018-02-20 14:24:09

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.26 Mbit/s

95th percentile per-packet one-way delay: 137.882 ms

Loss rate: 0.00%

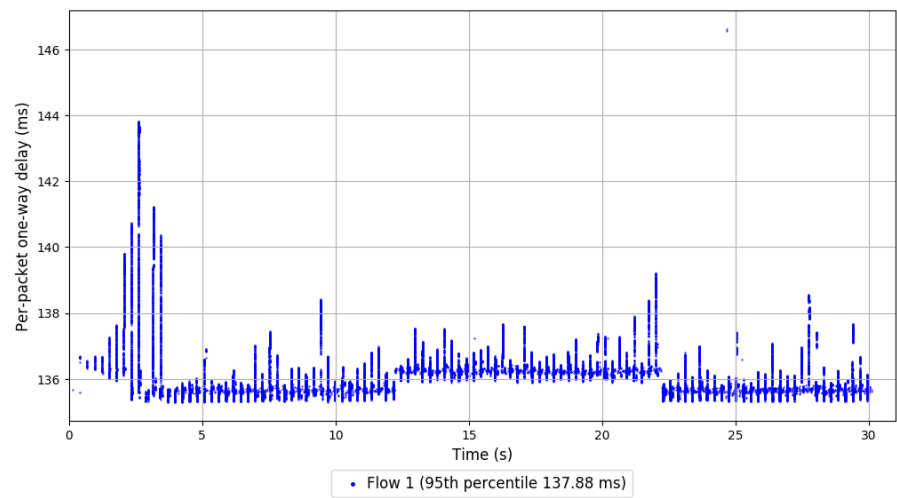
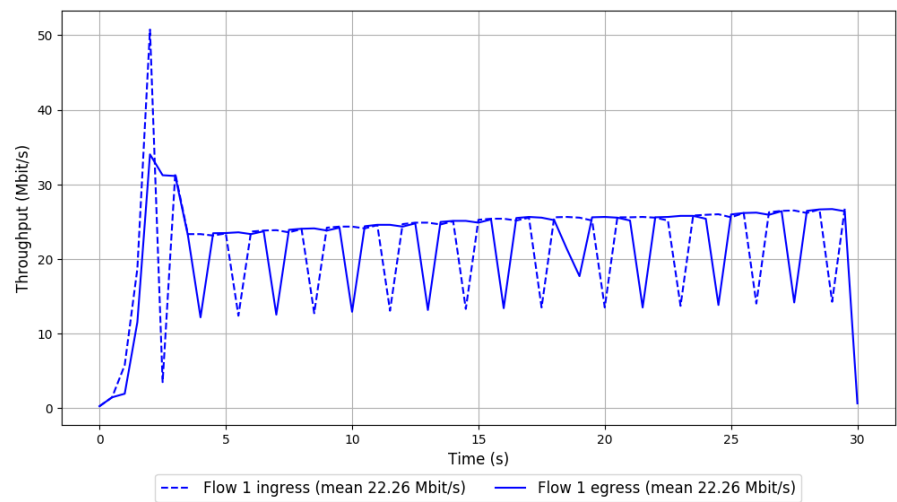
-- Flow 1:

Average throughput: 22.26 Mbit/s

95th percentile per-packet one-way delay: 137.882 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-20 11:48:03

End at: 2018-02-20 11:48:33

# Below is generated by plot.py at 2018-02-20 16:05:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 120.43 Mbit/s

95th percentile per-packet one-way delay: 145.921 ms

Loss rate: 0.00%

-- Flow 1:

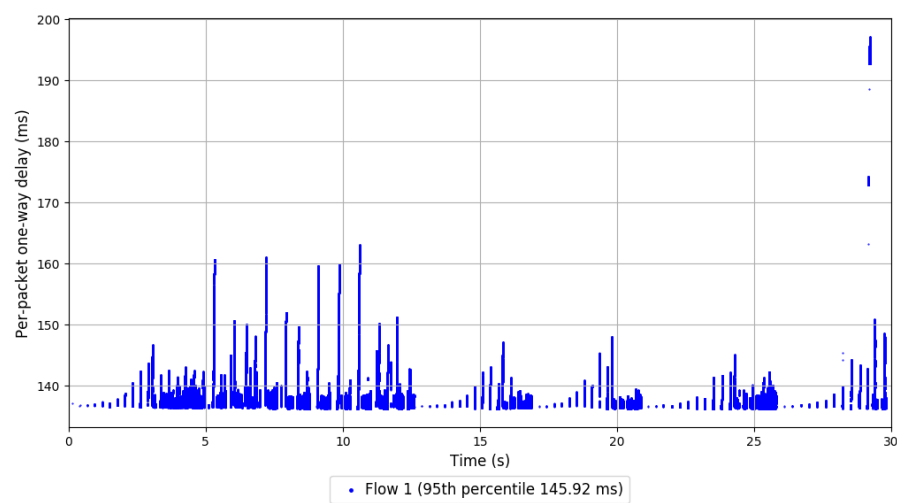
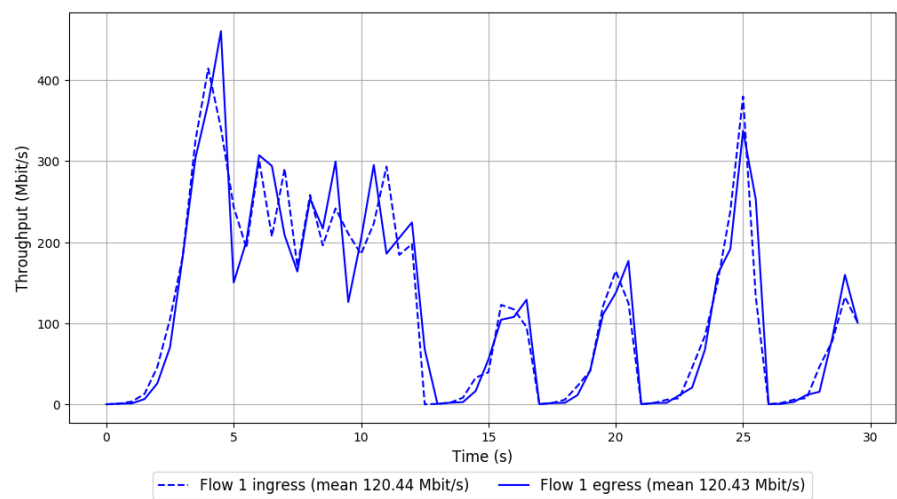
Average throughput: 120.43 Mbit/s

95th percentile per-packet one-way delay: 145.921 ms

Loss rate: 0.00%



Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-02-20 12:03:57

End at: 2018-02-20 12:04:27

# Below is generated by plot.py at 2018-02-20 16:07:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 227.89 Mbit/s

95th percentile per-packet one-way delay: 168.341 ms

Loss rate: 0.00%

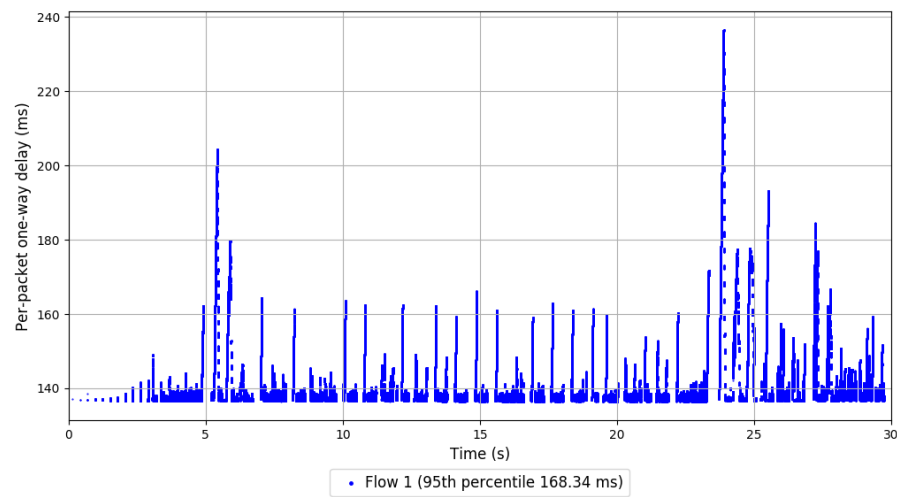
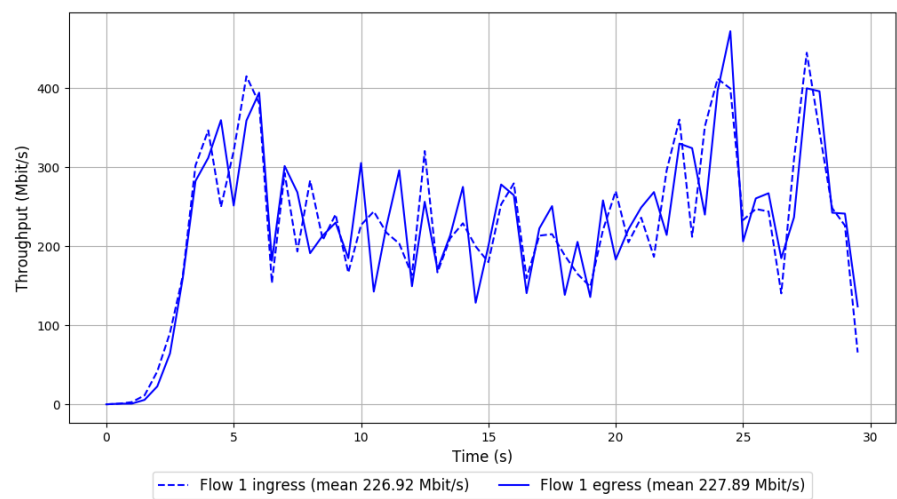
-- Flow 1:

Average throughput: 227.89 Mbit/s

95th percentile per-packet one-way delay: 168.341 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-02-20 12:19:56

End at: 2018-02-20 12:20:26

# Below is generated by plot.py at 2018-02-20 16:07:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 208.55 Mbit/s

95th percentile per-packet one-way delay: 148.326 ms

Loss rate: 0.00%

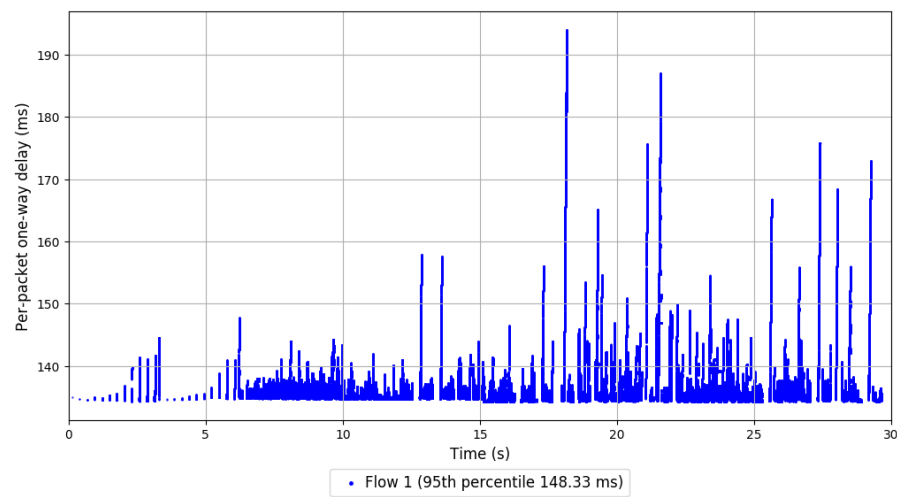
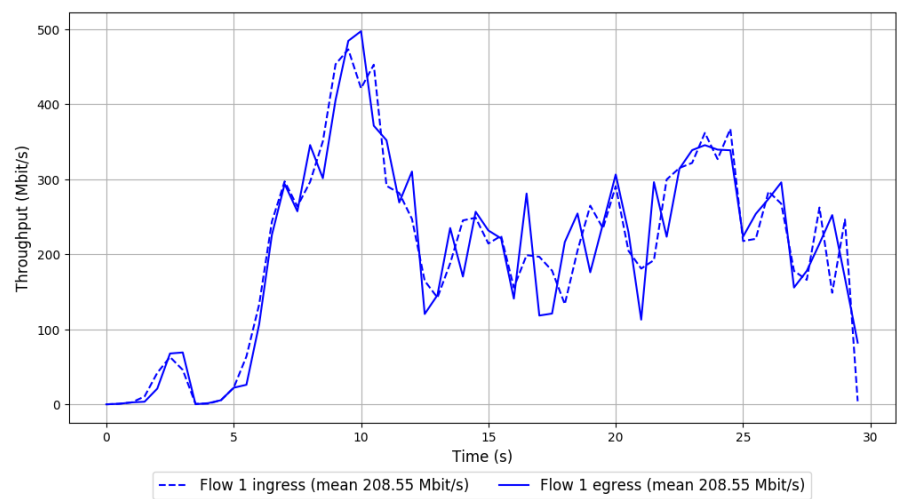
-- Flow 1:

Average throughput: 208.55 Mbit/s

95th percentile per-packet one-way delay: 148.326 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-02-20 12:36:06

End at: 2018-02-20 12:36:36

# Below is generated by plot.py at 2018-02-20 16:07:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 162.48 Mbit/s

95th percentile per-packet one-way delay: 150.578 ms

Loss rate: 0.00%

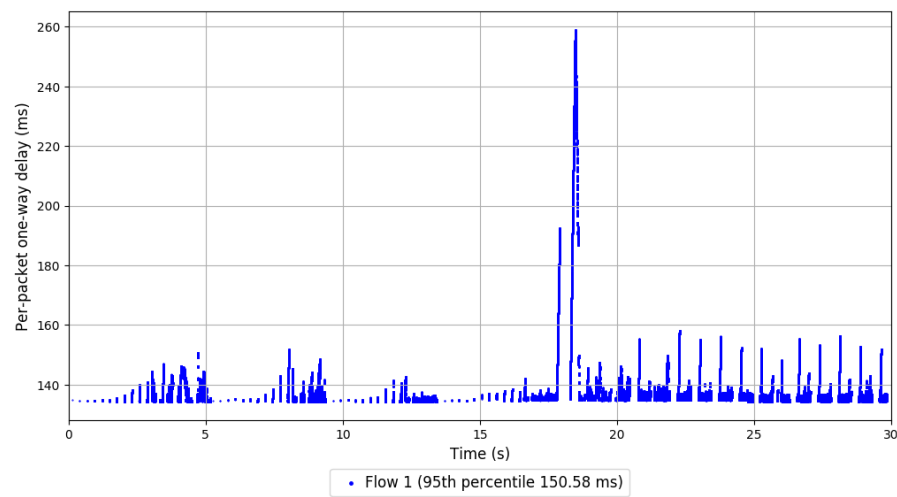
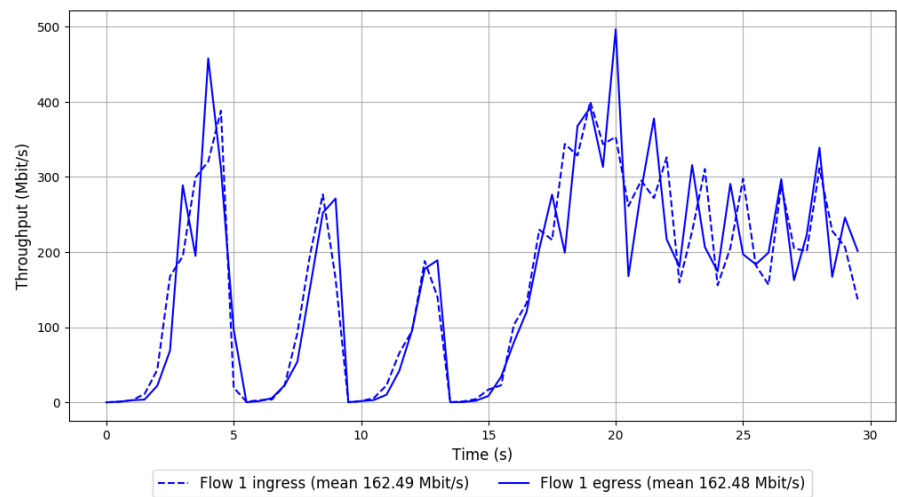
-- Flow 1:

Average throughput: 162.48 Mbit/s

95th percentile per-packet one-way delay: 150.578 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-20 12:52:27

End at: 2018-02-20 12:52:57

# Below is generated by plot.py at 2018-02-20 16:07:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 228.57 Mbit/s

95th percentile per-packet one-way delay: 170.974 ms

Loss rate: 0.00%

-- Flow 1:

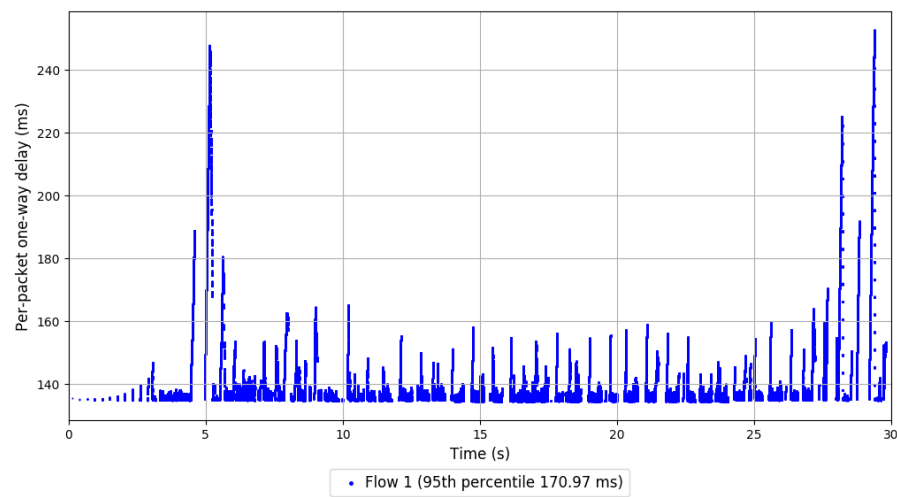
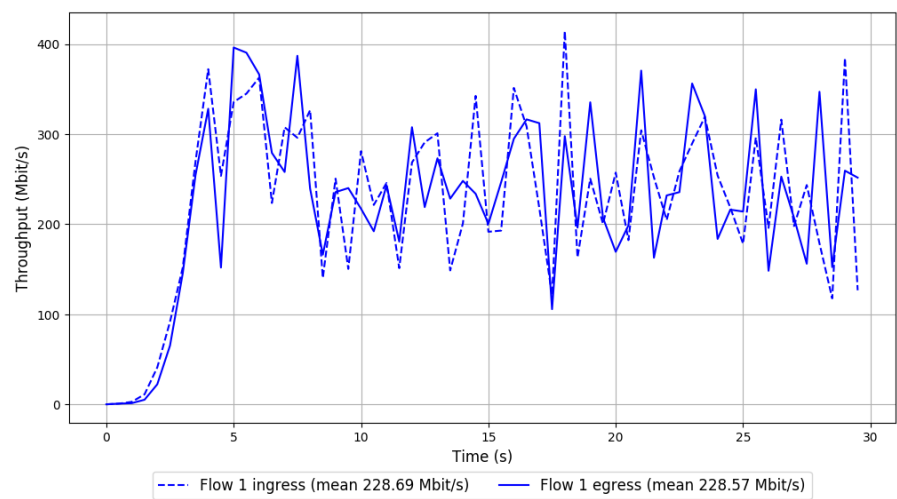
Average throughput: 228.57 Mbit/s

95th percentile per-packet one-way delay: 170.974 ms

Loss rate: 0.00%



Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-02-20 13:09:00

End at: 2018-02-20 13:09:30

# Below is generated by plot.py at 2018-02-20 16:07:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 210.99 Mbit/s

95th percentile per-packet one-way delay: 180.253 ms

Loss rate: 0.15%

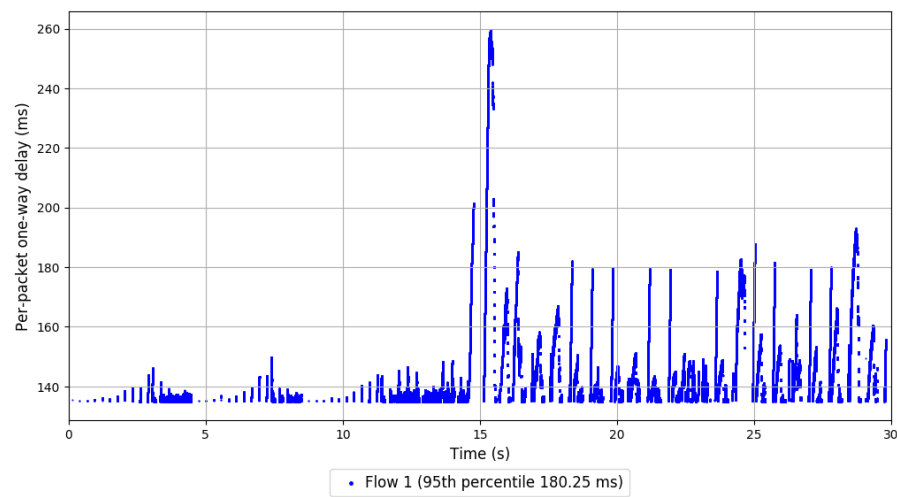
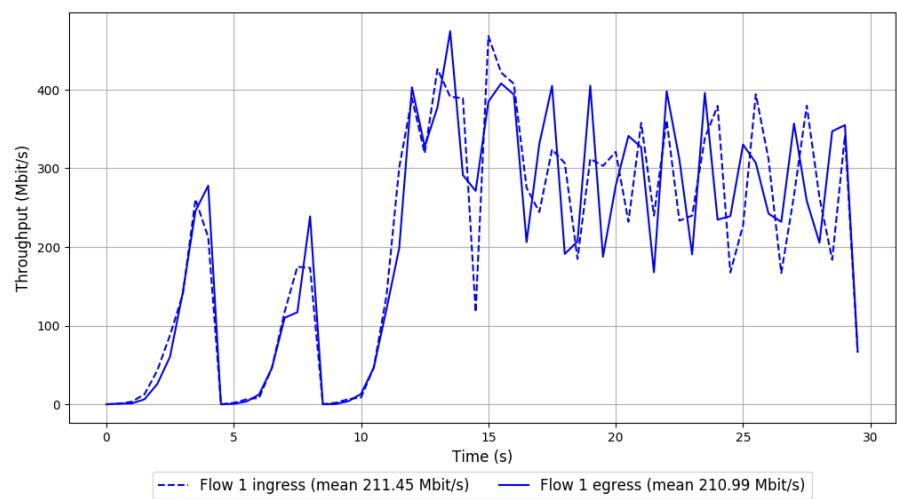
-- Flow 1:

Average throughput: 210.99 Mbit/s

95th percentile per-packet one-way delay: 180.253 ms

Loss rate: 0.15%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-02-20 13:25:36

End at: 2018-02-20 13:26:06

# Below is generated by plot.py at 2018-02-20 16:07:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 157.00 Mbit/s

95th percentile per-packet one-way delay: 156.841 ms

Loss rate: 0.00%

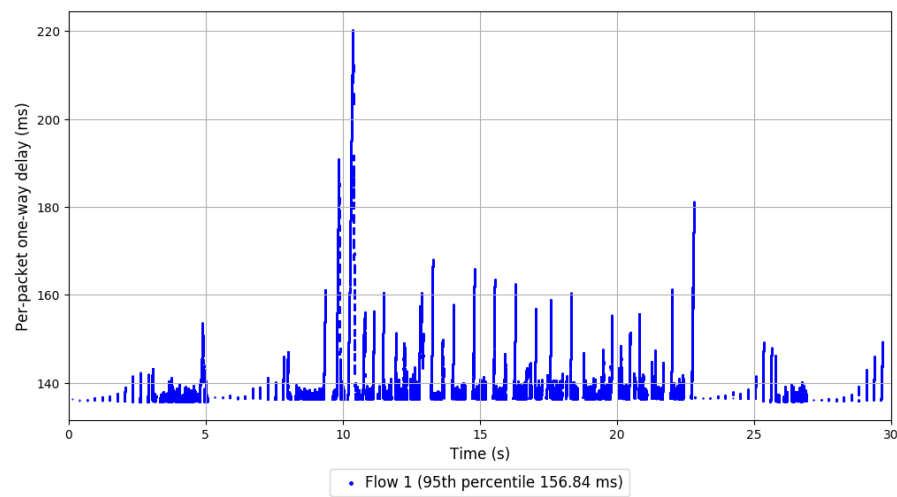
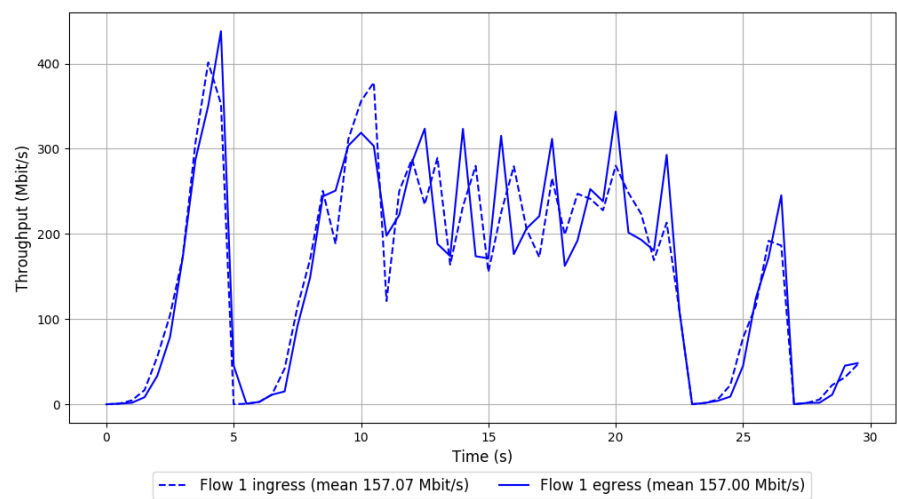
-- Flow 1:

Average throughput: 157.00 Mbit/s

95th percentile per-packet one-way delay: 156.841 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-02-20 13:42:01

End at: 2018-02-20 13:42:31

# Below is generated by plot.py at 2018-02-20 16:07:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 108.33 Mbit/s

95th percentile per-packet one-way delay: 148.115 ms

Loss rate: 0.00%

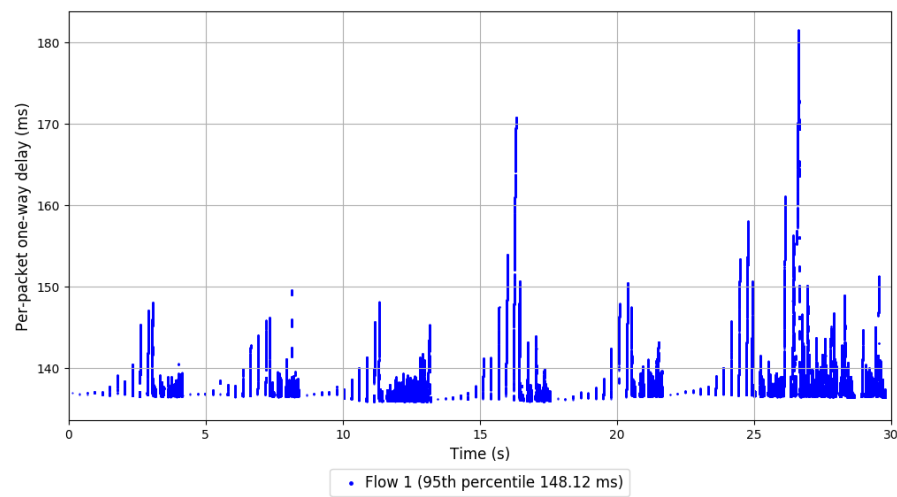
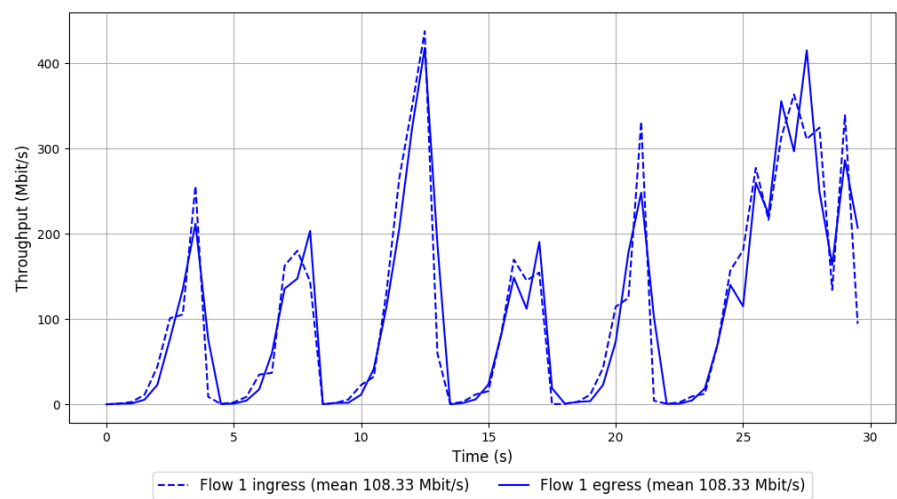
-- Flow 1:

Average throughput: 108.33 Mbit/s

95th percentile per-packet one-way delay: 148.115 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-02-20 13:58:16

End at: 2018-02-20 13:58:46

# Below is generated by plot.py at 2018-02-20 16:10:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 215.68 Mbit/s

95th percentile per-packet one-way delay: 204.739 ms

Loss rate: 0.55%

-- Flow 1:

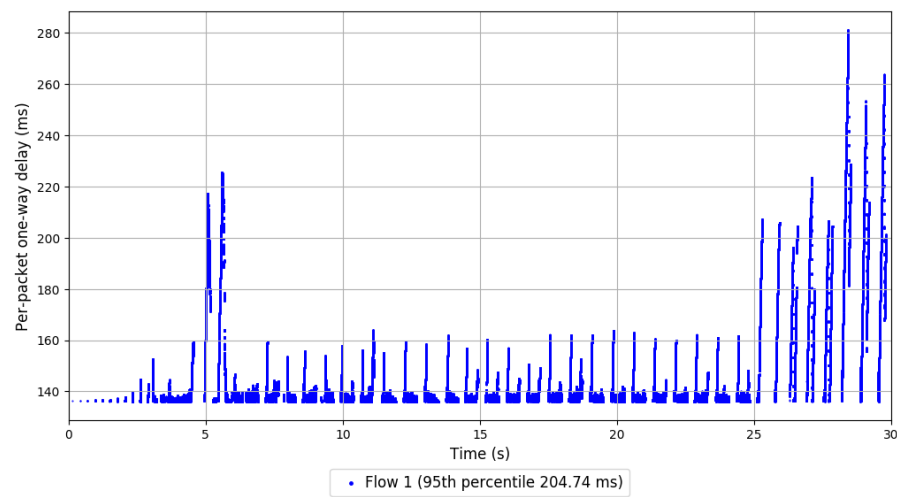
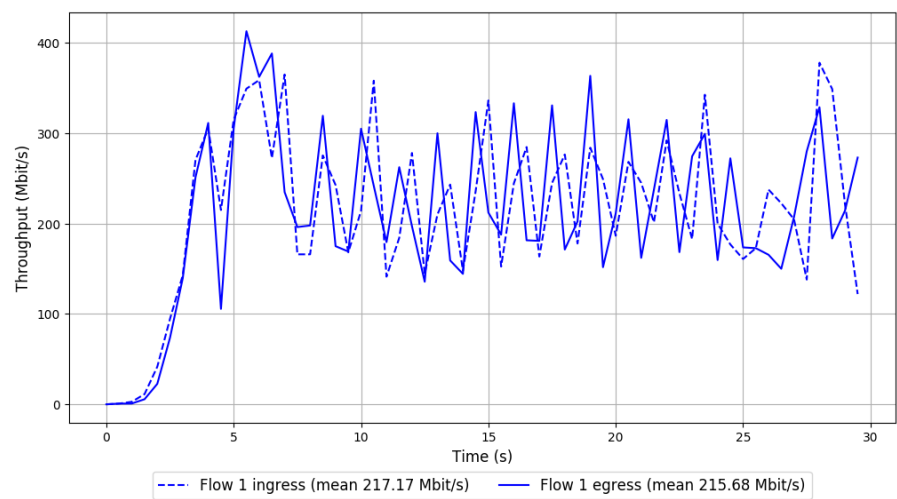
Average throughput: 215.68 Mbit/s

95th percentile per-packet one-way delay: 204.739 ms

Loss rate: 0.55%



Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-20 14:14:51

End at: 2018-02-20 14:15:21

# Below is generated by plot.py at 2018-02-20 16:10:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 173.42 Mbit/s

95th percentile per-packet one-way delay: 155.355 ms

Loss rate: 0.00%

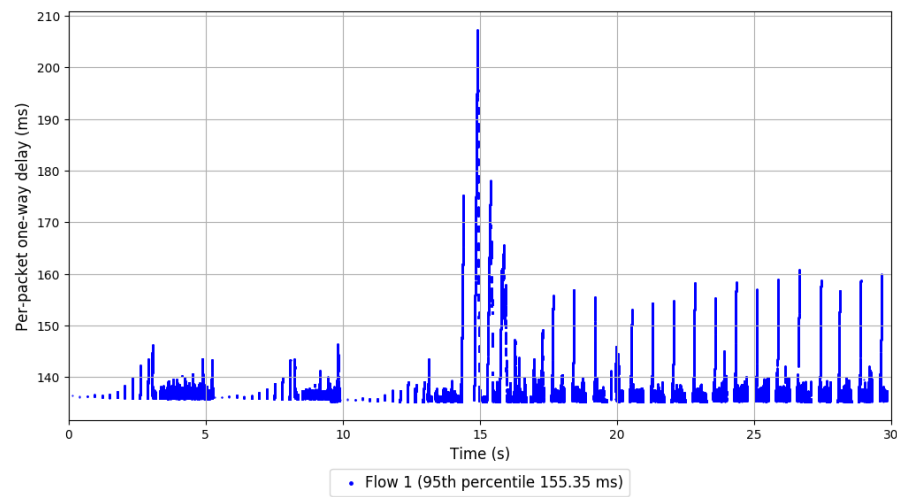
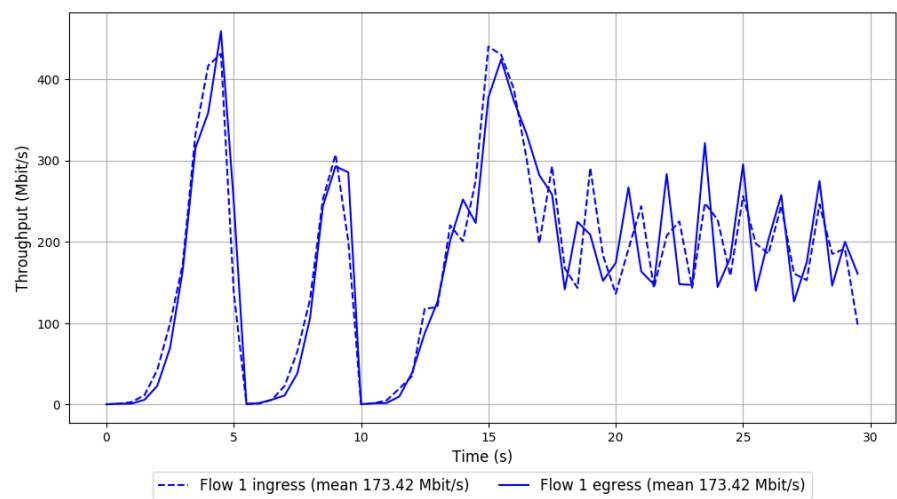
-- Flow 1:

Average throughput: 173.42 Mbit/s

95th percentile per-packet one-way delay: 155.355 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-02-20 11:52:29

End at: 2018-02-20 11:52:59

# Below is generated by plot.py at 2018-02-20 16:10:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 67.02 Mbit/s

95th percentile per-packet one-way delay: 136.544 ms

Loss rate: 0.00%

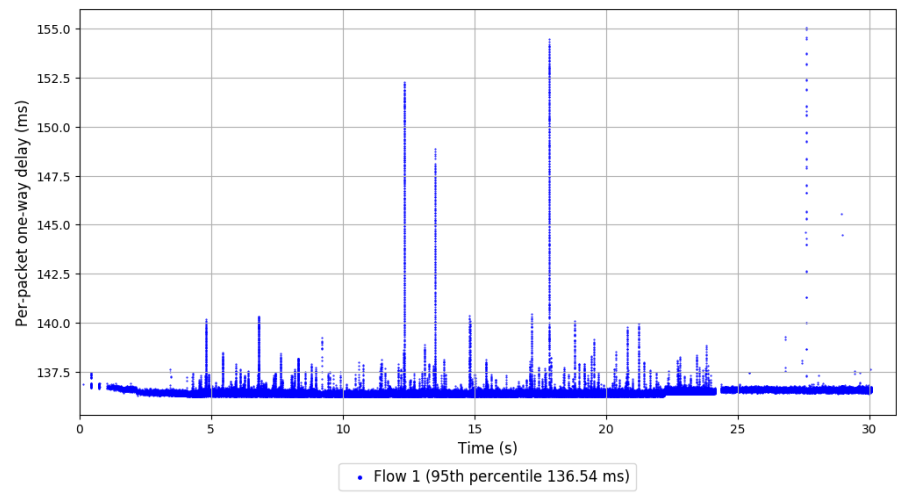
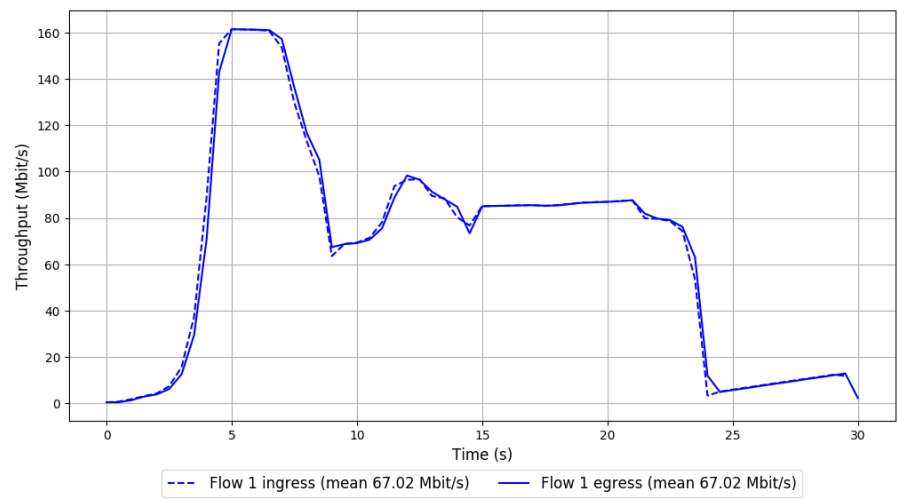
-- Flow 1:

Average throughput: 67.02 Mbit/s

95th percentile per-packet one-way delay: 136.544 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-02-20 12:08:15

End at: 2018-02-20 12:08:45

# Below is generated by plot.py at 2018-02-20 16:10:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.44 Mbit/s

95th percentile per-packet one-way delay: 136.501 ms

Loss rate: 0.00%

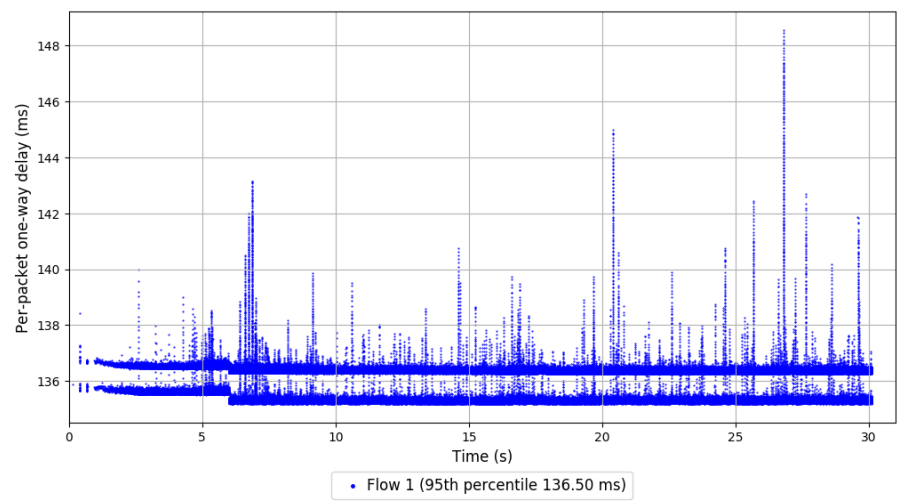
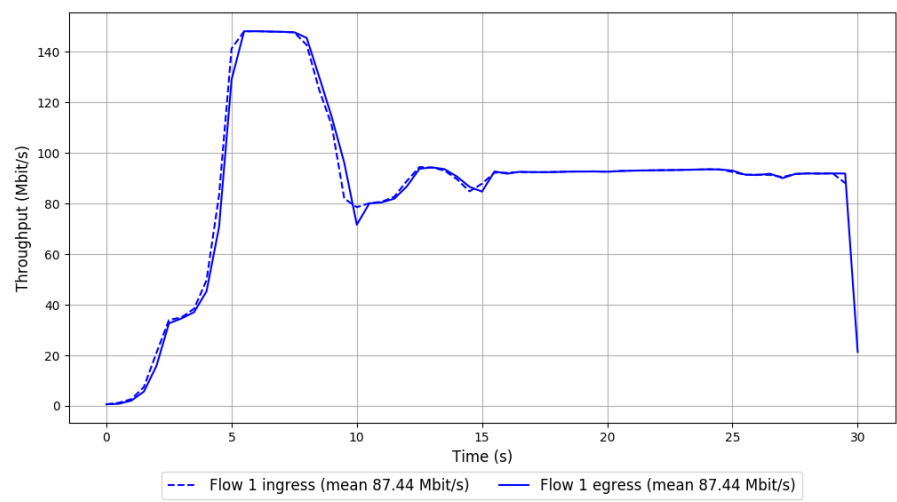
-- Flow 1:

Average throughput: 87.44 Mbit/s

95th percentile per-packet one-way delay: 136.501 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-20 12:24:29

End at: 2018-02-20 12:24:59

# Below is generated by plot.py at 2018-02-20 16:10:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.73 Mbit/s

95th percentile per-packet one-way delay: 135.577 ms

Loss rate: 0.00%

-- Flow 1:

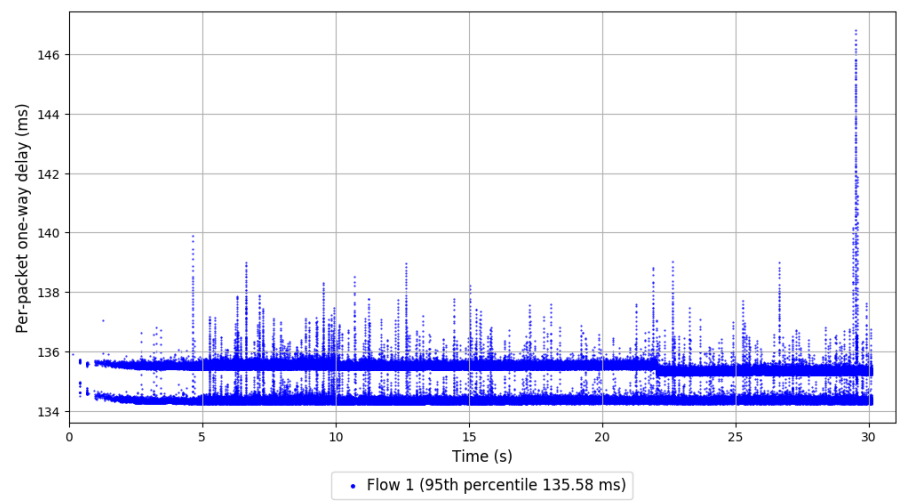
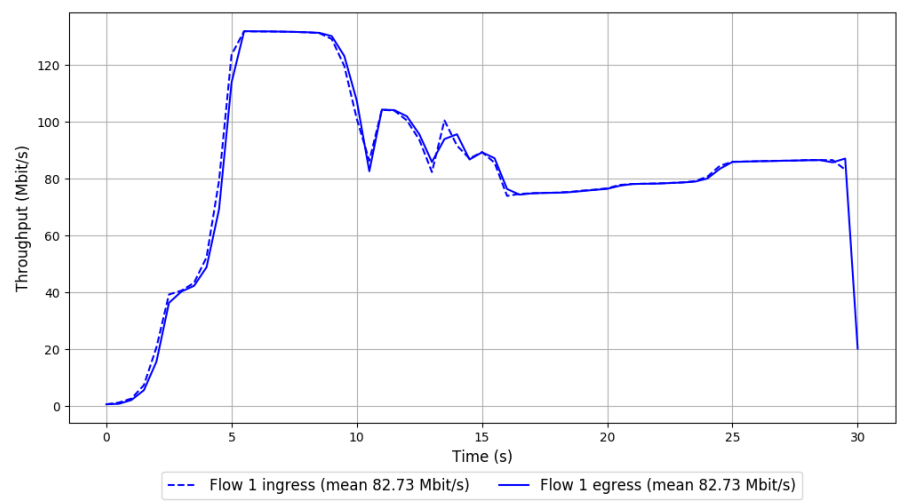
Average throughput: 82.73 Mbit/s

95th percentile per-packet one-way delay: 135.577 ms

Loss rate: 0.00%



Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-02-20 12:40:35

End at: 2018-02-20 12:41:05

# Below is generated by plot.py at 2018-02-20 16:10:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.22 Mbit/s

95th percentile per-packet one-way delay: 135.939 ms

Loss rate: 0.00%

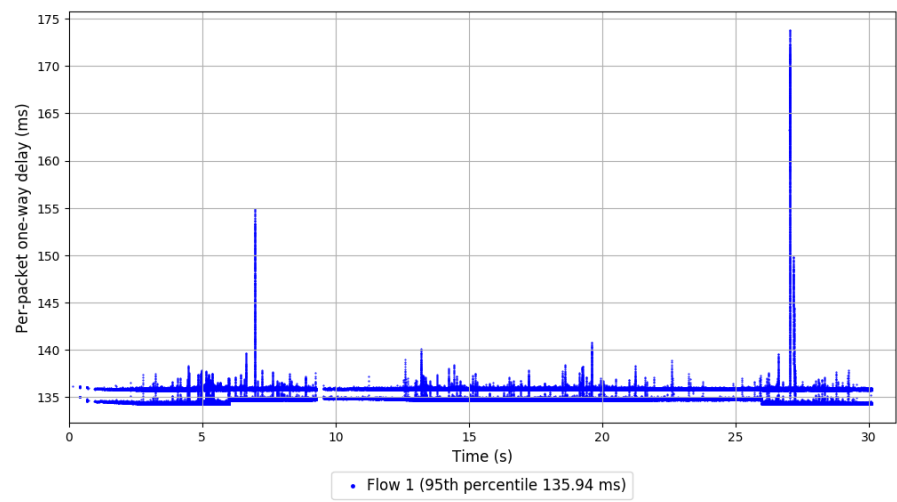
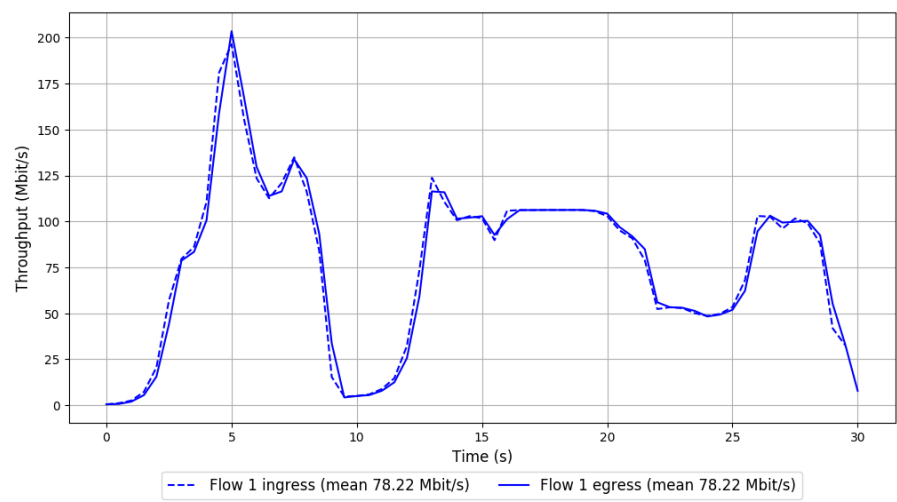
-- Flow 1:

Average throughput: 78.22 Mbit/s

95th percentile per-packet one-way delay: 135.939 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-02-20 12:56:59

End at: 2018-02-20 12:57:29

# Below is generated by plot.py at 2018-02-20 16:10:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.04 Mbit/s

95th percentile per-packet one-way delay: 163.000 ms

Loss rate: 0.00%

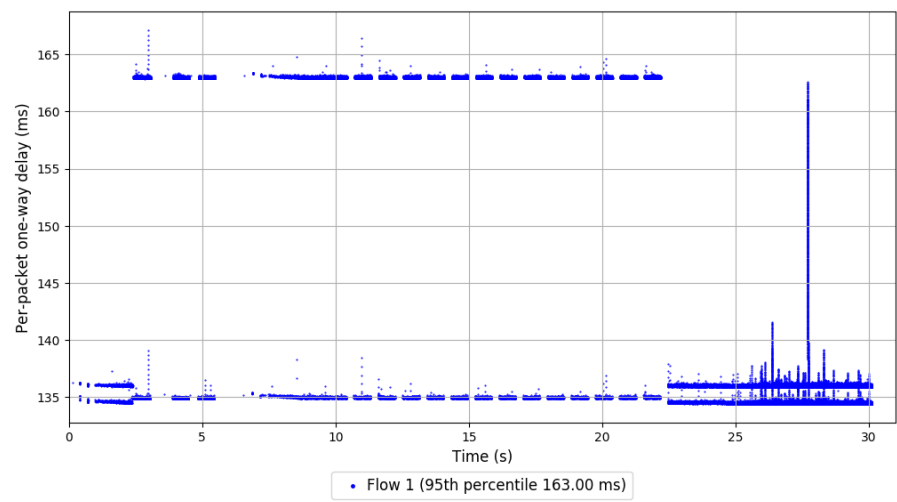
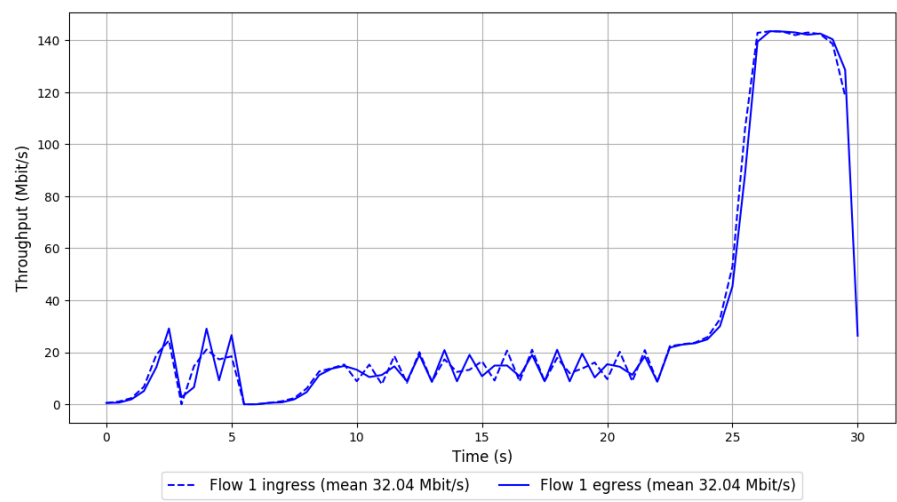
-- Flow 1:

Average throughput: 32.04 Mbit/s

95th percentile per-packet one-way delay: 163.000 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-20 13:13:38

End at: 2018-02-20 13:14:08

# Below is generated by plot.py at 2018-02-20 16:10:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 49.46 Mbit/s

95th percentile per-packet one-way delay: 135.988 ms

Loss rate: 0.00%

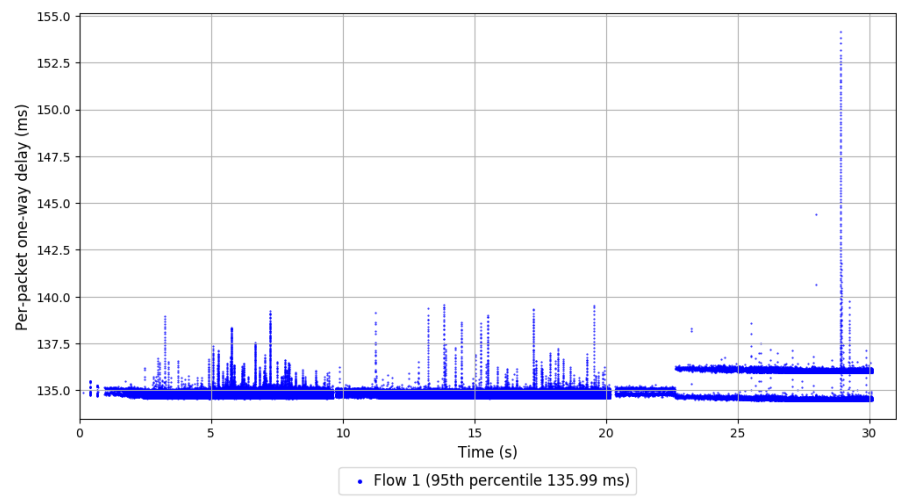
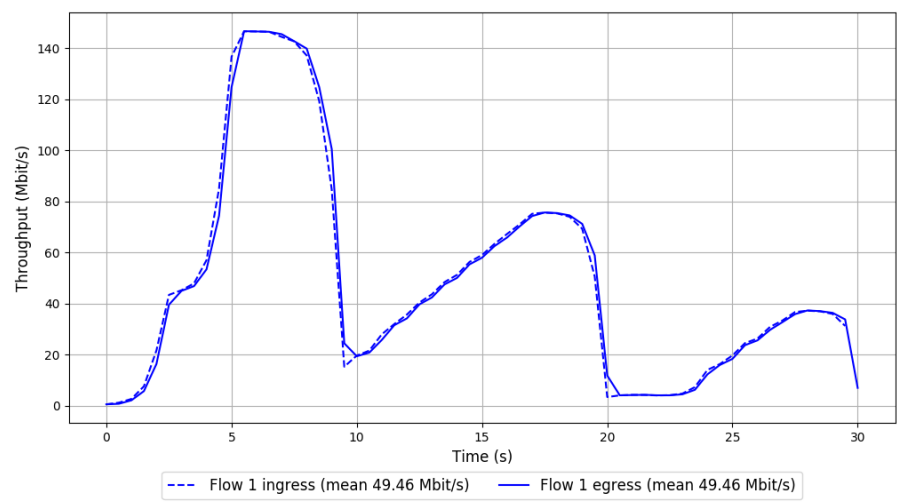
-- Flow 1:

Average throughput: 49.46 Mbit/s

95th percentile per-packet one-way delay: 135.988 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-02-20 13:30:08

End at: 2018-02-20 13:30:38

# Below is generated by plot.py at 2018-02-20 16:10:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.98 Mbit/s

95th percentile per-packet one-way delay: 150.596 ms

Loss rate: 0.00%

-- Flow 1:

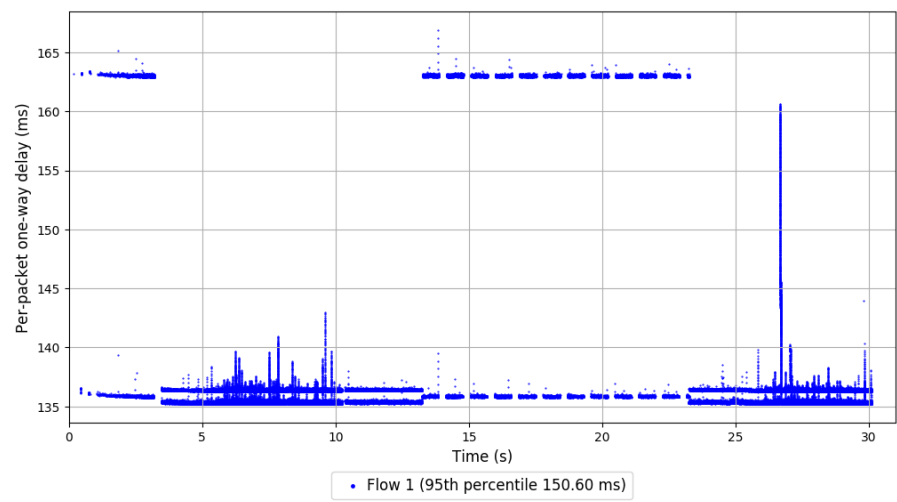
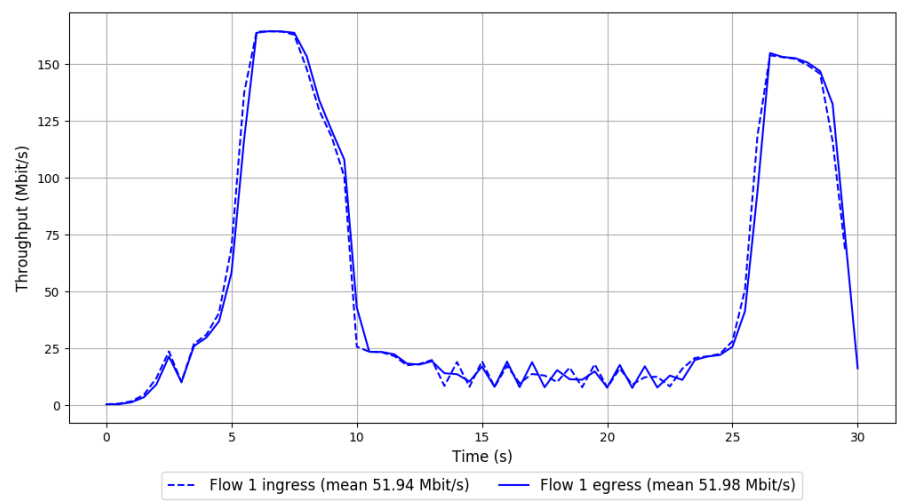
Average throughput: 51.98 Mbit/s

95th percentile per-packet one-way delay: 150.596 ms

Loss rate: 0.00%



Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-02-20 13:46:30

End at: 2018-02-20 13:47:00

# Below is generated by plot.py at 2018-02-20 16:12:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.33 Mbit/s

95th percentile per-packet one-way delay: 137.247 ms

Loss rate: 0.00%

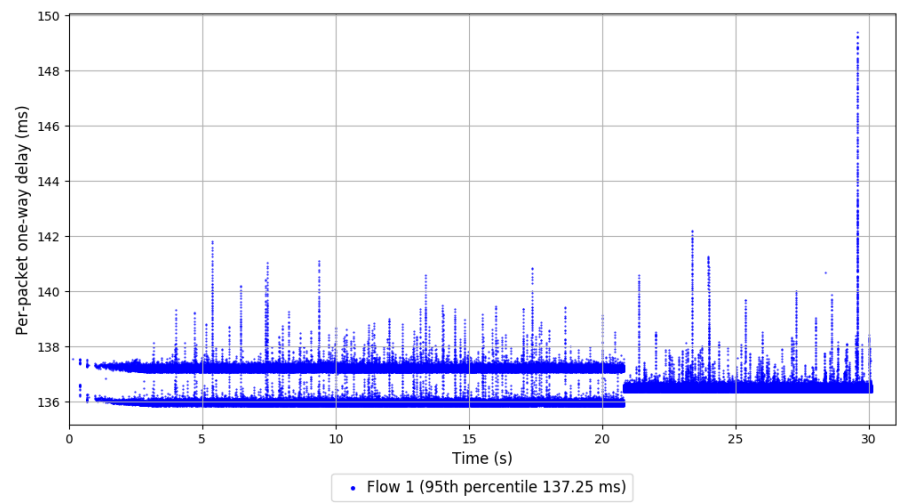
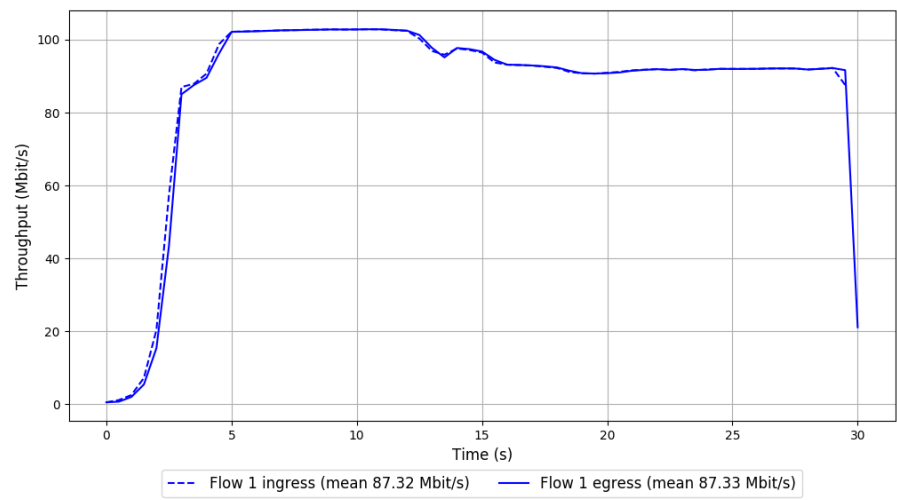
-- Flow 1:

Average throughput: 87.33 Mbit/s

95th percentile per-packet one-way delay: 137.247 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-20 14:02:51

End at: 2018-02-20 14:03:21

# Below is generated by plot.py at 2018-02-20 16:12:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.56 Mbit/s

95th percentile per-packet one-way delay: 135.986 ms

Loss rate: 0.00%

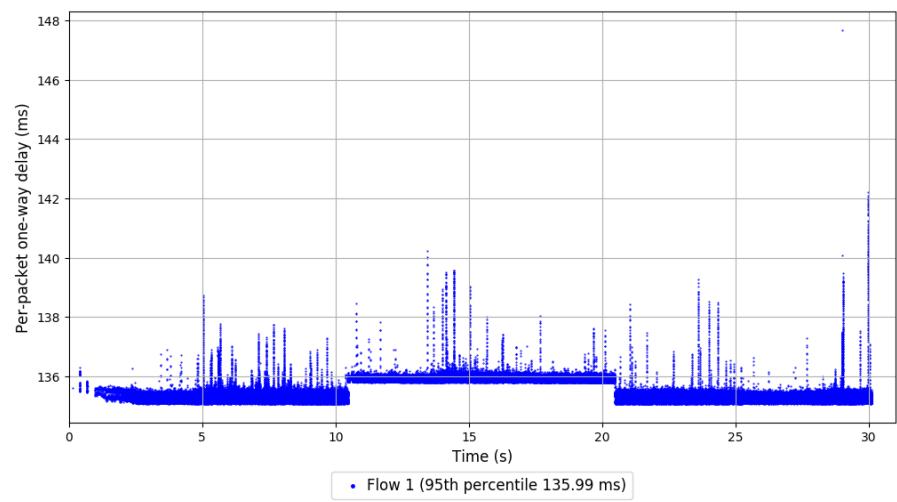
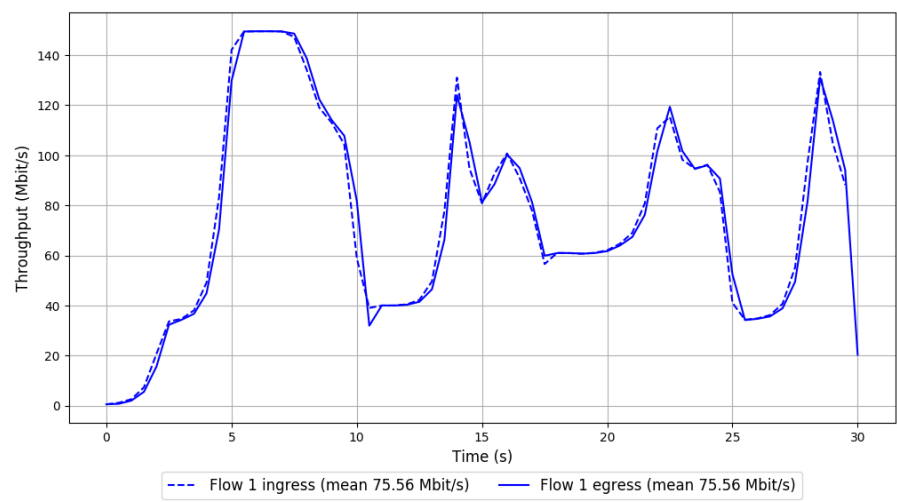
-- Flow 1:

Average throughput: 75.56 Mbit/s

95th percentile per-packet one-way delay: 135.986 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-20 14:19:16

End at: 2018-02-20 14:19:46

# Below is generated by plot.py at 2018-02-20 16:12:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.12 Mbit/s

95th percentile per-packet one-way delay: 136.815 ms

Loss rate: 0.00%

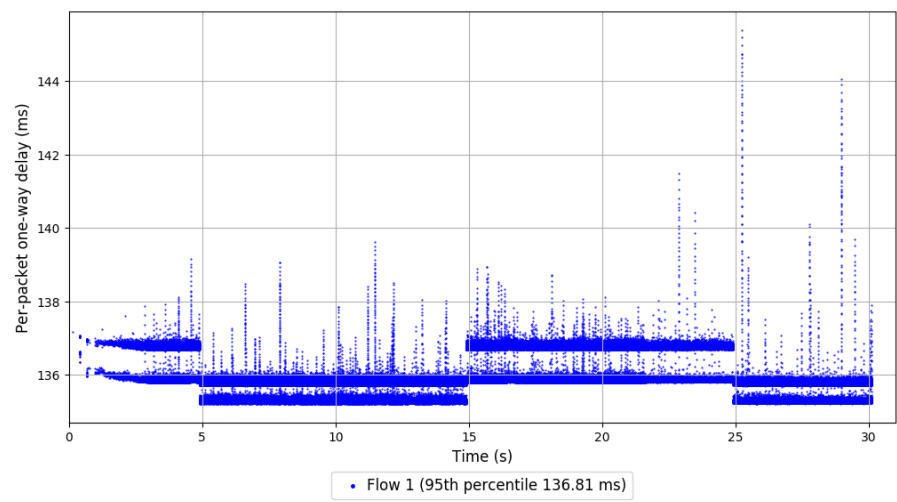
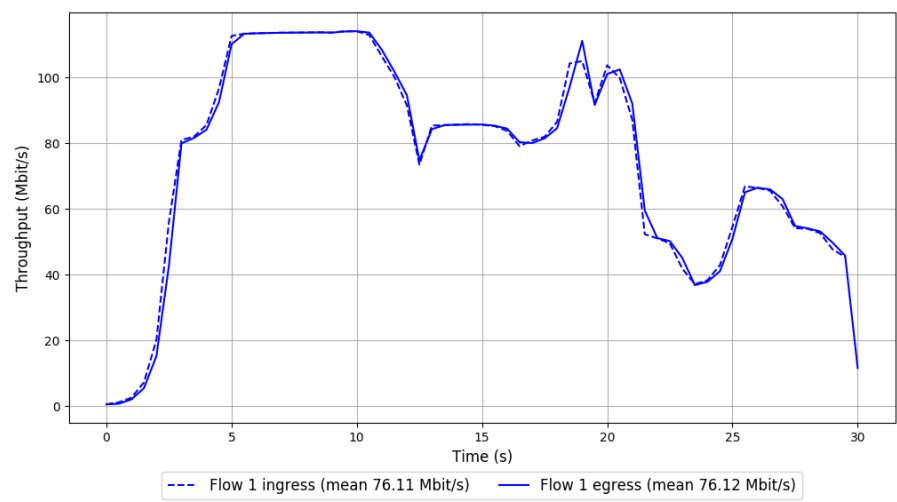
-- Flow 1:

Average throughput: 76.12 Mbit/s

95th percentile per-packet one-way delay: 136.815 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-02-20 11:51:09

End at: 2018-02-20 11:51:39

# Below is generated by plot.py at 2018-02-20 16:27:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 922.36 Mbit/s

95th percentile per-packet one-way delay: 204.426 ms

Loss rate: 1.22%

-- Flow 1:

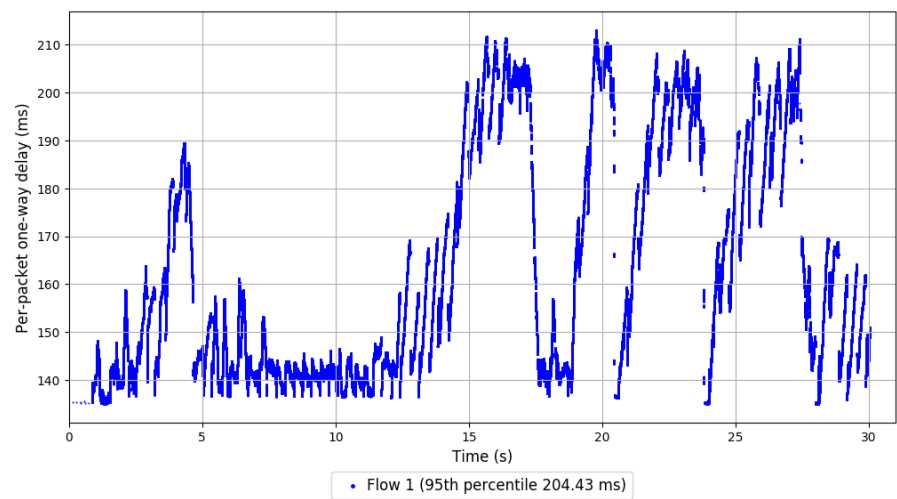
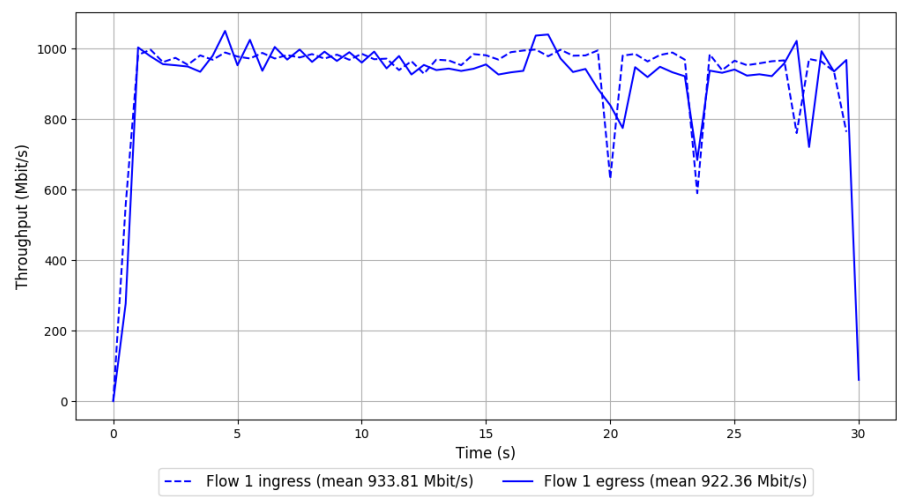
Average throughput: 922.36 Mbit/s

95th percentile per-packet one-way delay: 204.426 ms

Loss rate: 1.22%



Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-02-20 12:06:57

End at: 2018-02-20 12:07:27

# Below is generated by plot.py at 2018-02-20 16:27:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 873.88 Mbit/s

95th percentile per-packet one-way delay: 212.579 ms

Loss rate: 2.88%

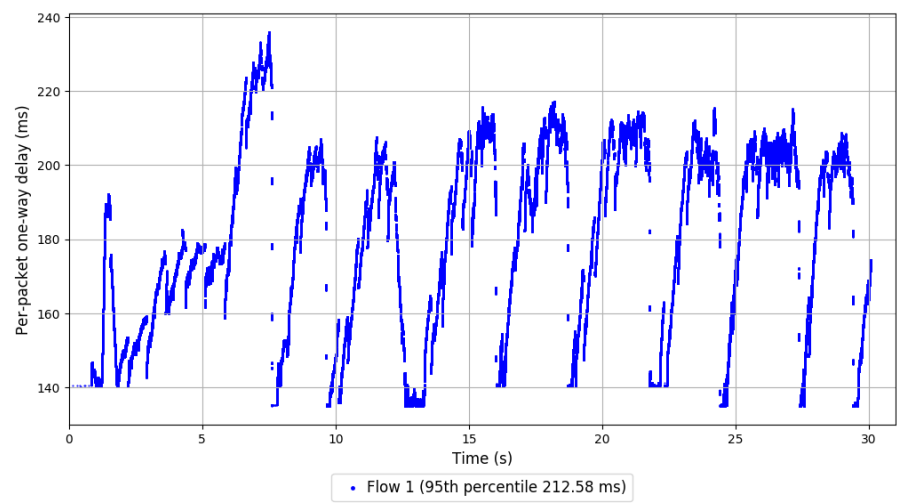
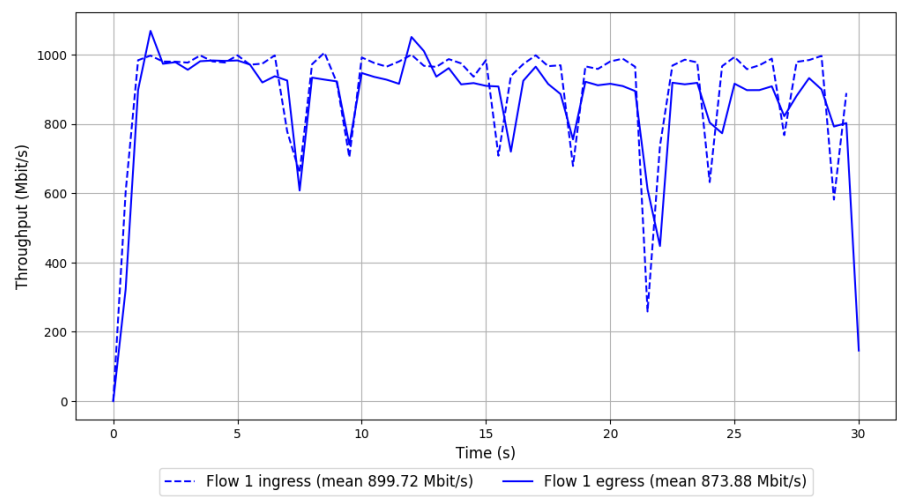
-- Flow 1:

Average throughput: 873.88 Mbit/s

95th percentile per-packet one-way delay: 212.579 ms

Loss rate: 2.88%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-20 12:23:09

End at: 2018-02-20 12:23:39

# Below is generated by plot.py at 2018-02-20 16:27:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 947.04 Mbit/s

95th percentile per-packet one-way delay: 183.156 ms

Loss rate: 0.32%

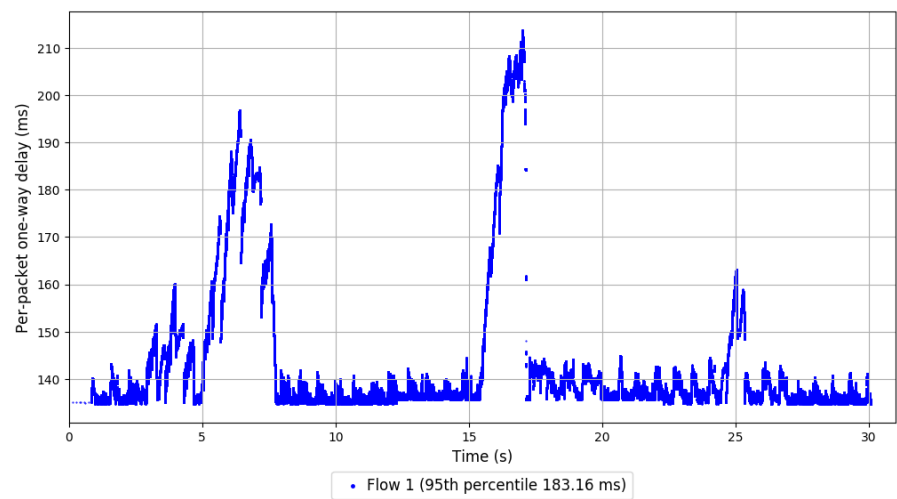
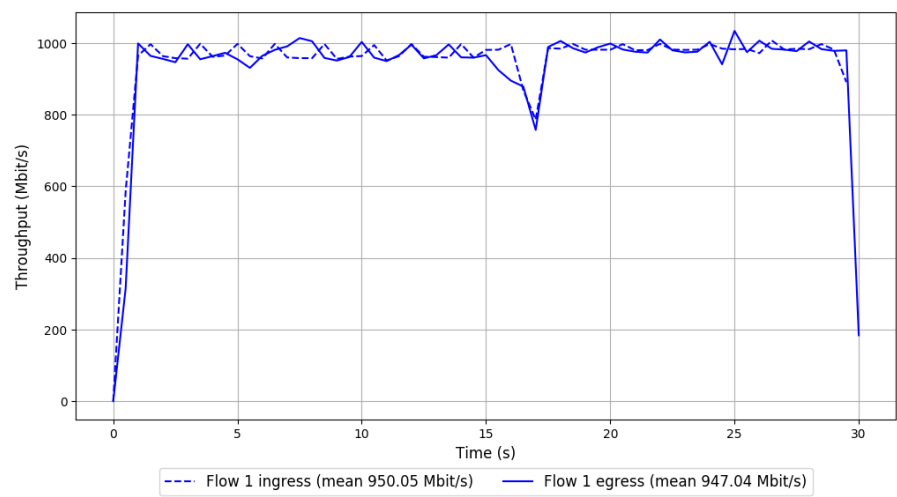
-- Flow 1:

Average throughput: 947.04 Mbit/s

95th percentile per-packet one-way delay: 183.156 ms

Loss rate: 0.32%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-20 12:39:14

End at: 2018-02-20 12:39:44

# Below is generated by plot.py at 2018-02-20 16:27:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 946.36 Mbit/s

95th percentile per-packet one-way delay: 198.215 ms

Loss rate: 0.26%

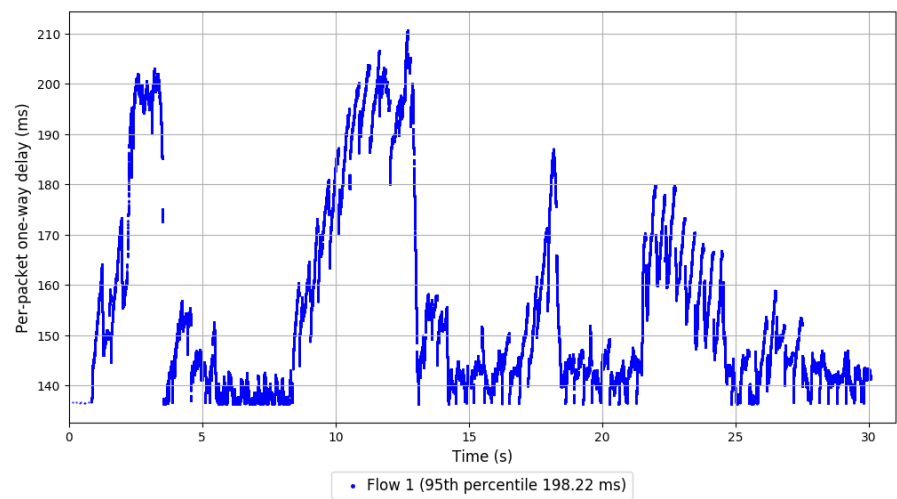
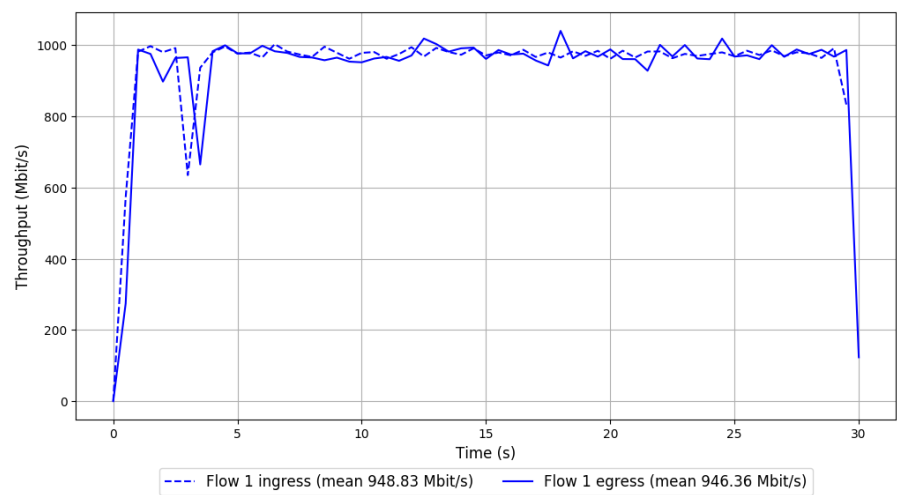
-- Flow 1:

Average throughput: 946.36 Mbit/s

95th percentile per-packet one-way delay: 198.215 ms

Loss rate: 0.26%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-20 12:55:38

End at: 2018-02-20 12:56:08

# Below is generated by plot.py at 2018-02-20 16:27:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 925.59 Mbit/s

95th percentile per-packet one-way delay: 223.897 ms

Loss rate: 1.20%

-- Flow 1:

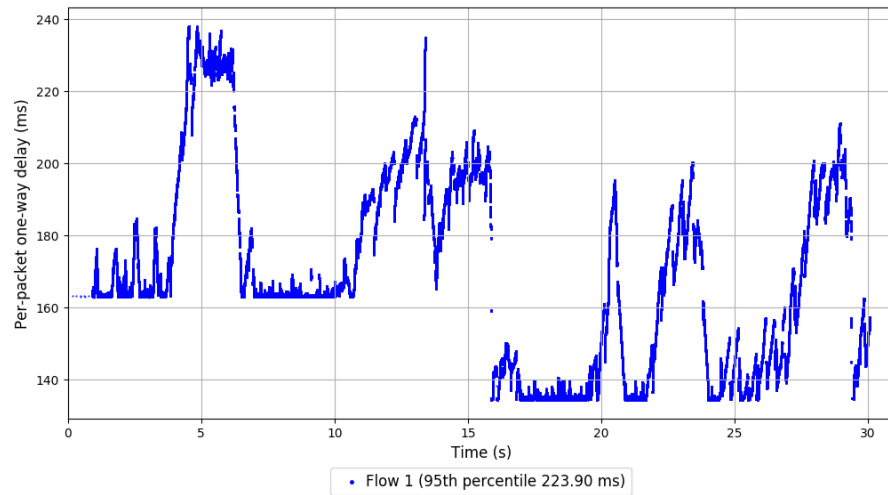
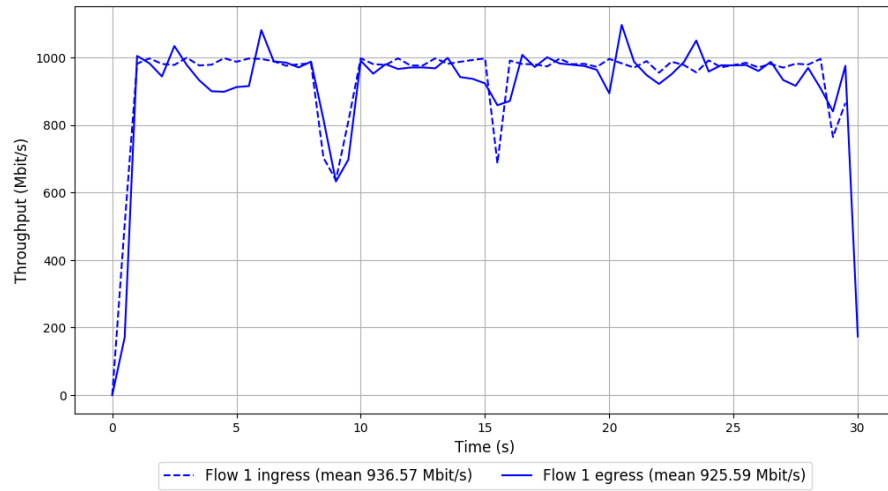
Average throughput: 925.59 Mbit/s

95th percentile per-packet one-way delay: 223.897 ms

Loss rate: 1.20%



### Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-02-20 13:12:16

End at: 2018-02-20 13:12:46

# Below is generated by plot.py at 2018-02-20 16:29:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 954.67 Mbit/s

95th percentile per-packet one-way delay: 195.838 ms

Loss rate: 0.37%

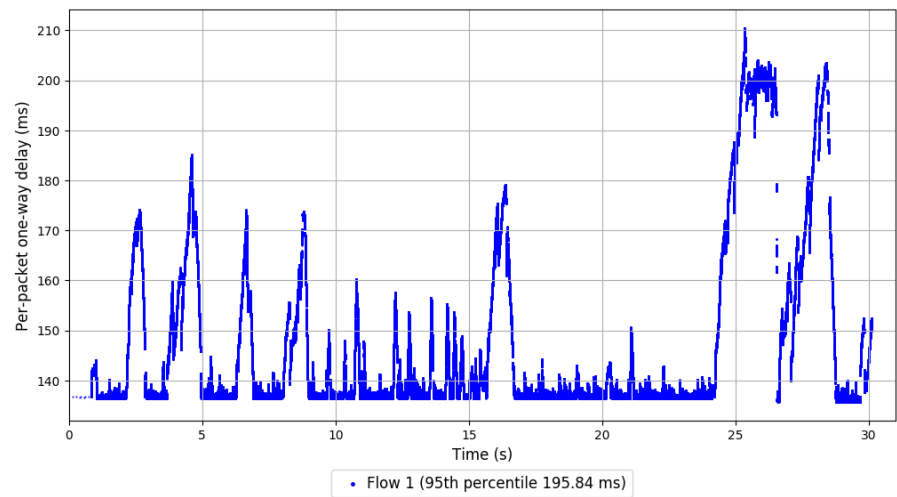
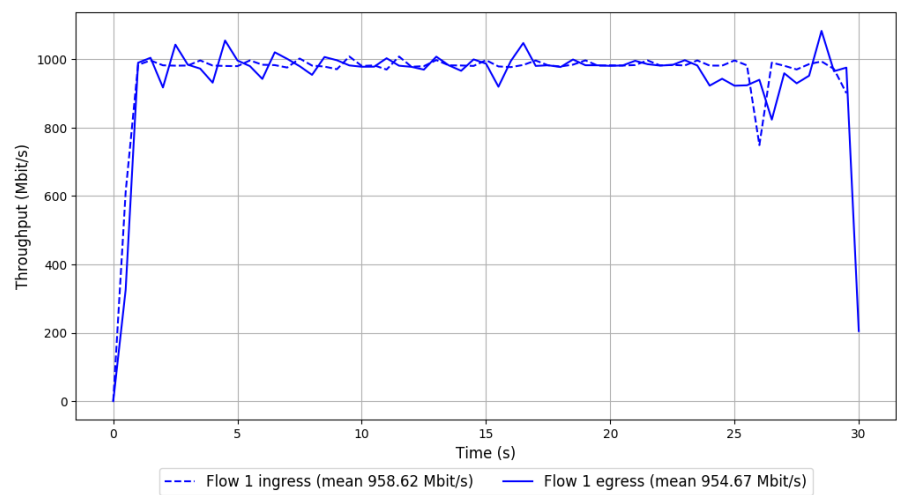
-- Flow 1:

Average throughput: 954.67 Mbit/s

95th percentile per-packet one-way delay: 195.838 ms

Loss rate: 0.37%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-20 13:28:47

End at: 2018-02-20 13:29:17

# Below is generated by plot.py at 2018-02-20 16:29:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 951.38 Mbit/s

95th percentile per-packet one-way delay: 213.555 ms

Loss rate: 0.09%

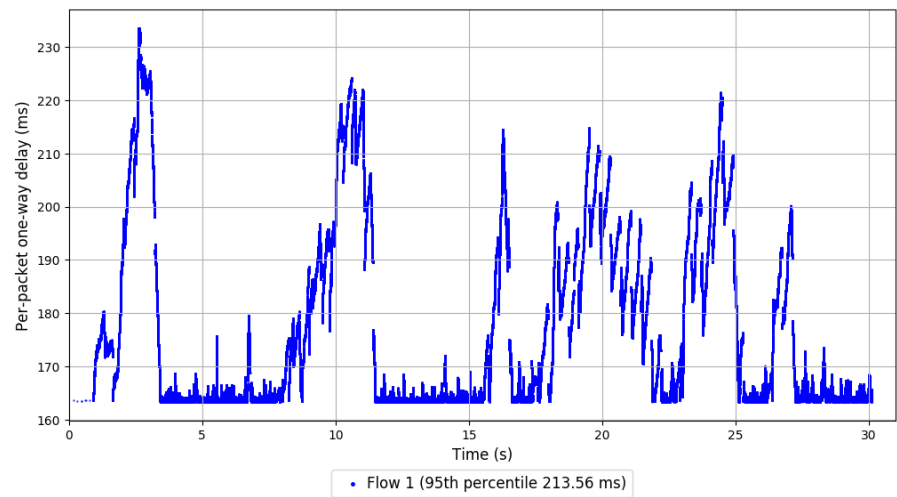
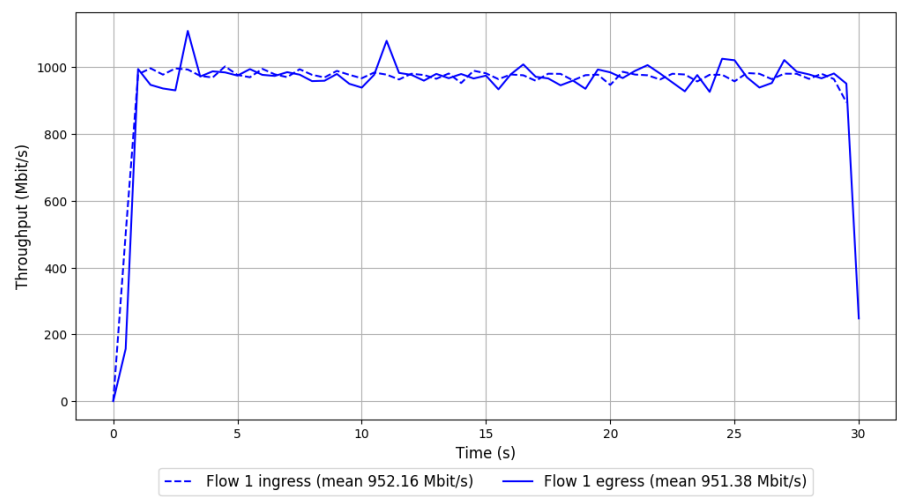
-- Flow 1:

Average throughput: 951.38 Mbit/s

95th percentile per-packet one-way delay: 213.555 ms

Loss rate: 0.09%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-20 13:45:08

End at: 2018-02-20 13:45:39

# Below is generated by plot.py at 2018-02-20 16:29:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 936.10 Mbit/s

95th percentile per-packet one-way delay: 182.722 ms

Loss rate: 0.07%

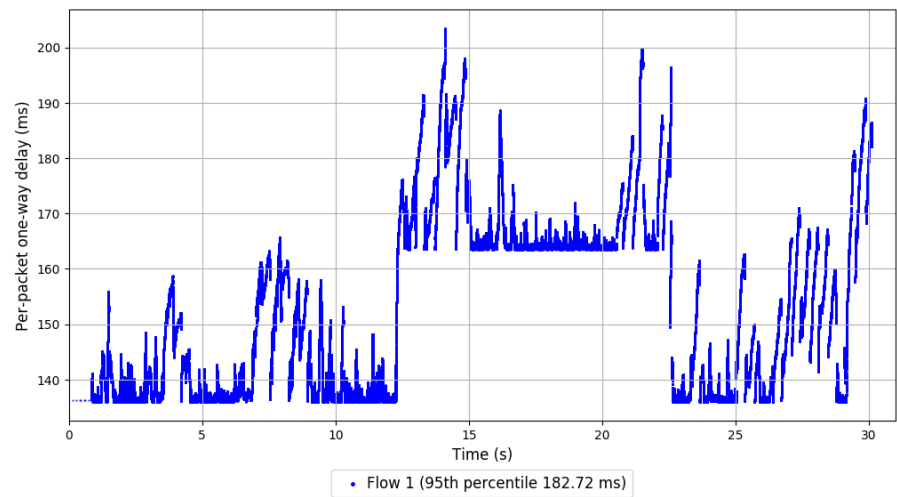
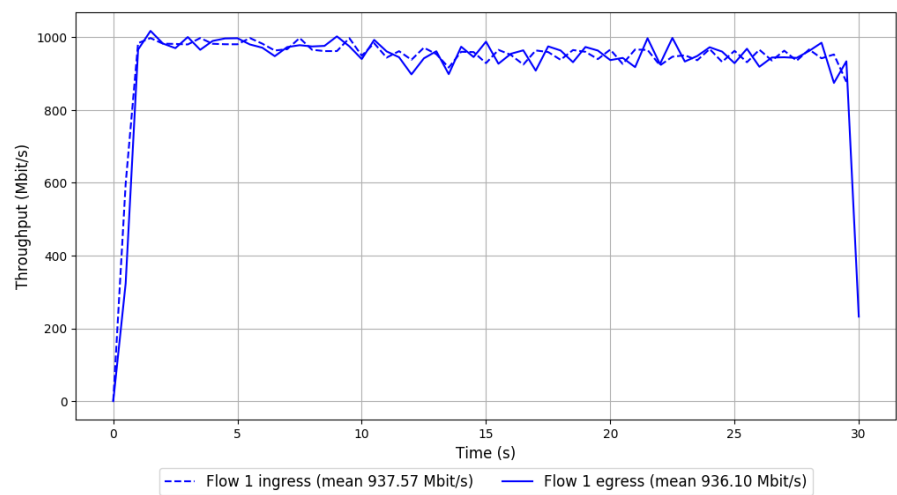
-- Flow 1:

Average throughput: 936.10 Mbit/s

95th percentile per-packet one-way delay: 182.722 ms

Loss rate: 0.07%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-20 14:01:28

End at: 2018-02-20 14:01:58

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 956.52 Mbit/s

95th percentile per-packet one-way delay: 193.113 ms

Loss rate: 0.33%

-- Flow 1:

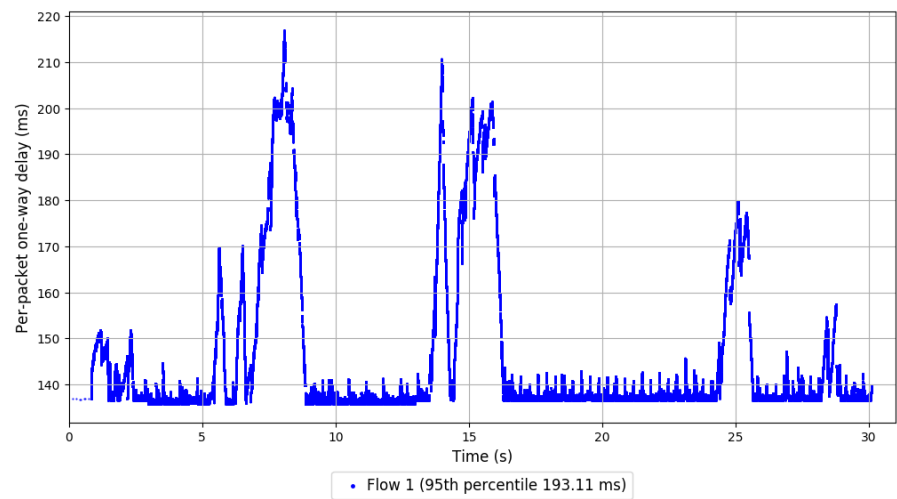
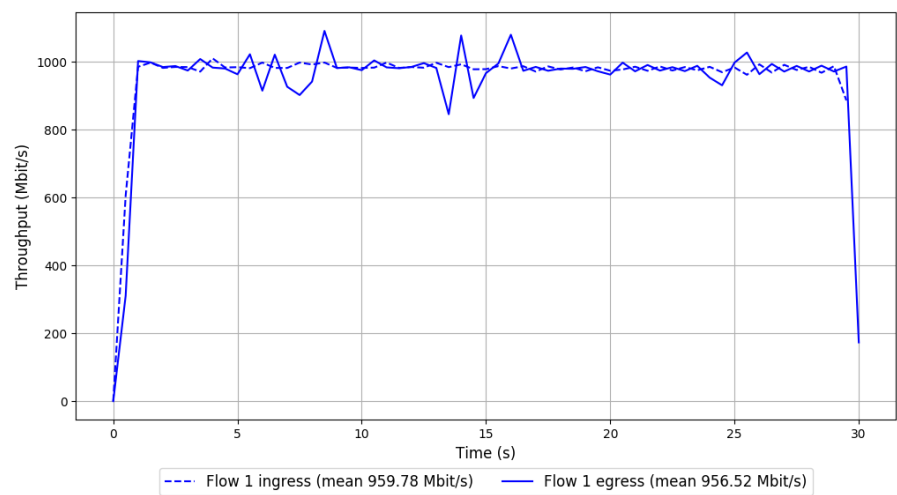
Average throughput: 956.52 Mbit/s

95th percentile per-packet one-way delay: 193.113 ms

Loss rate: 0.33%



Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-02-20 14:17:57

End at: 2018-02-20 14:18:27

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 925.73 Mbit/s

95th percentile per-packet one-way delay: 201.945 ms

Loss rate: 1.00%

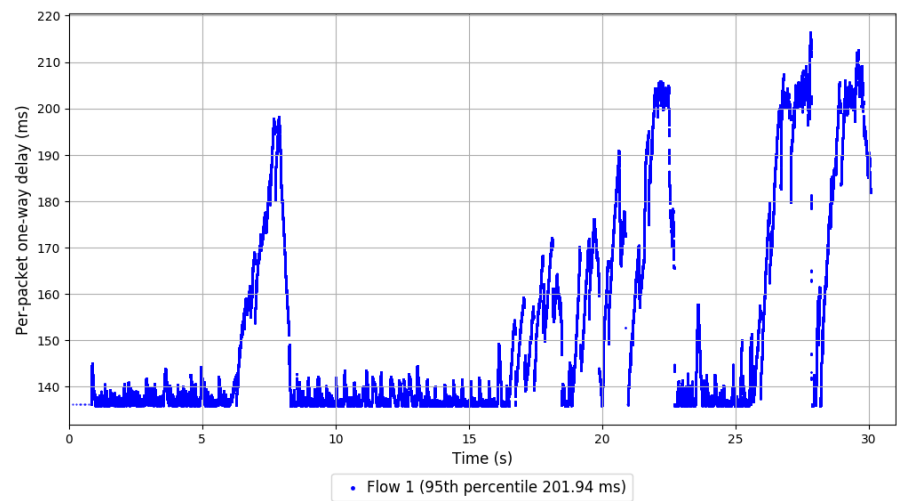
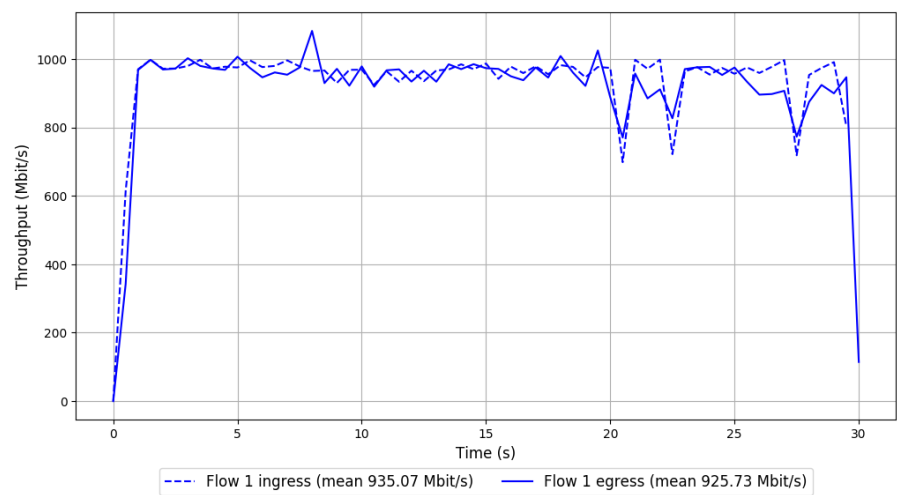
-- Flow 1:

Average throughput: 925.73 Mbit/s

95th percentile per-packet one-way delay: 201.945 ms

Loss rate: 1.00%

Run 10: Report of FillP — Data Link

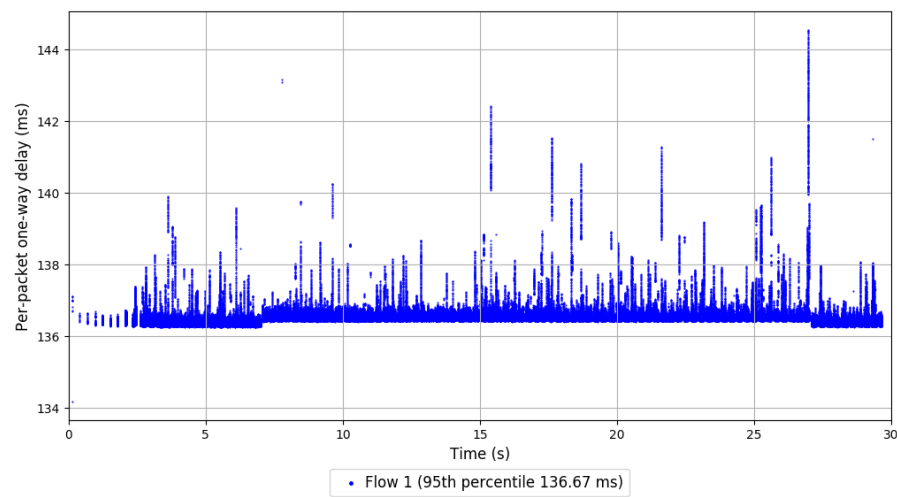
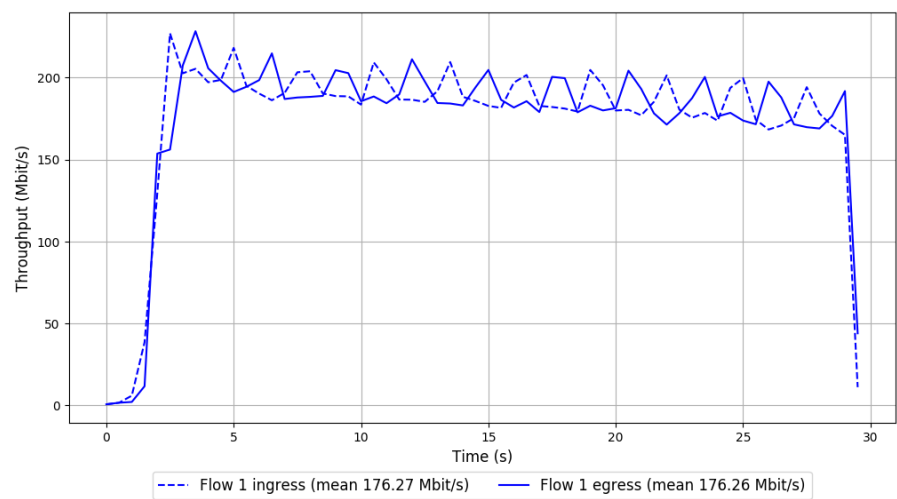


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-20 12:01:33
End at: 2018-02-20 12:02:04

# Below is generated by plot.py at 2018-02-20 16:45:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.26 Mbit/s
95th percentile per-packet one-way delay: 136.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.26 Mbit/s
95th percentile per-packet one-way delay: 136.670 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-02-20 12:17:32

End at: 2018-02-20 12:18:02

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 169.64 Mbit/s

95th percentile per-packet one-way delay: 134.856 ms

Loss rate: 0.00%

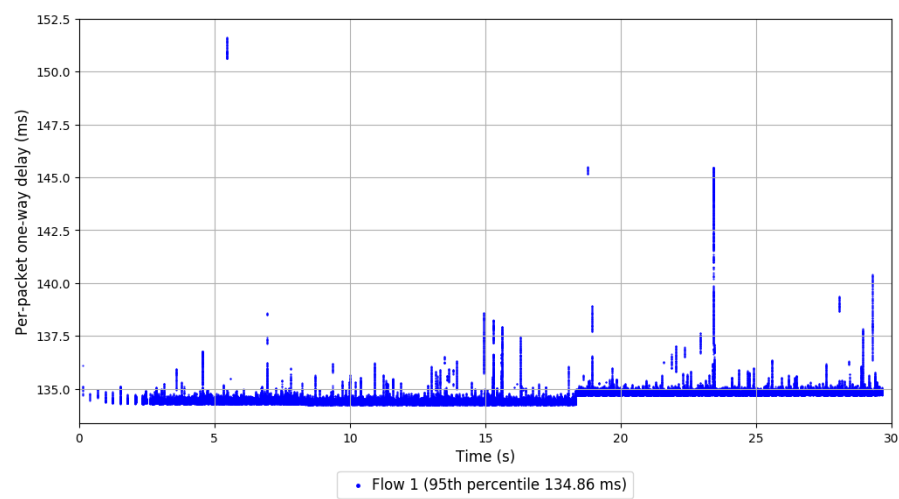
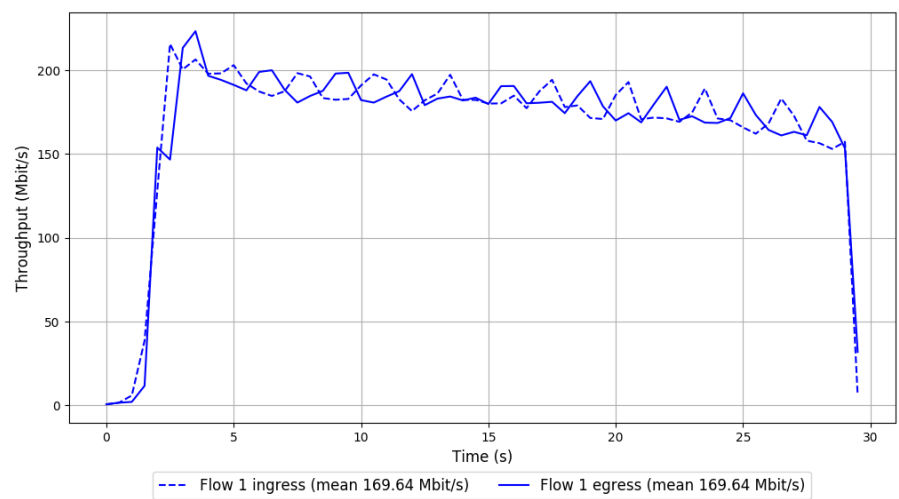
-- Flow 1:

Average throughput: 169.64 Mbit/s

95th percentile per-packet one-way delay: 134.856 ms

Loss rate: 0.00%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-20 12:33:42

End at: 2018-02-20 12:34:12

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 175.80 Mbit/s

95th percentile per-packet one-way delay: 134.836 ms

Loss rate: 0.00%

-- Flow 1:

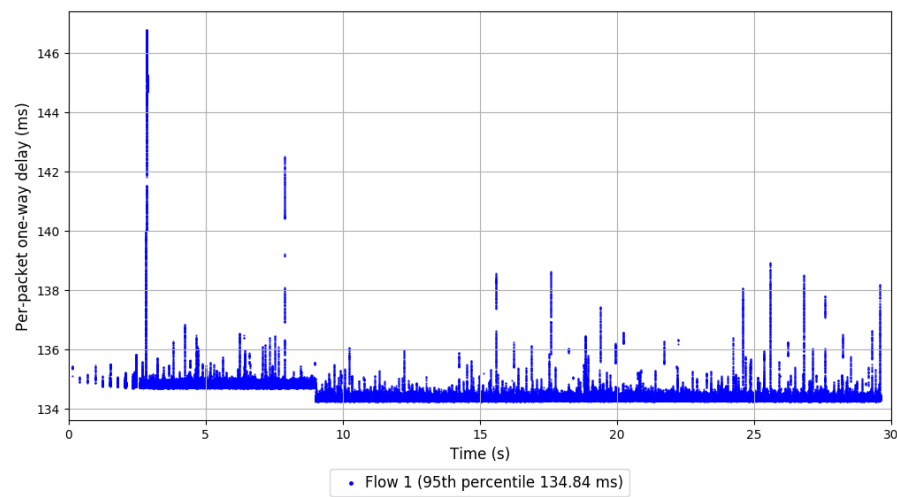
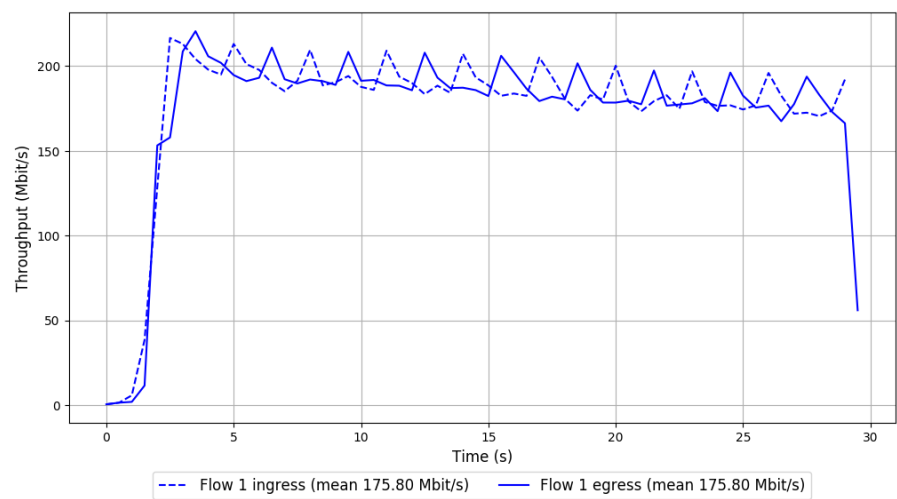
Average throughput: 175.80 Mbit/s

95th percentile per-packet one-way delay: 134.836 ms

Loss rate: 0.00%



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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-20 12:50:02

End at: 2018-02-20 12:50:32

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 138.82 Mbit/s

95th percentile per-packet one-way delay: 135.072 ms

Loss rate: 0.00%

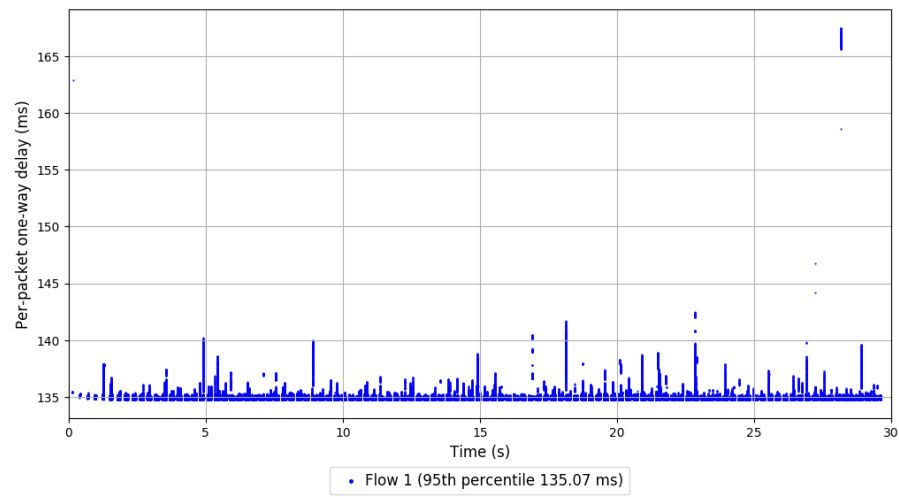
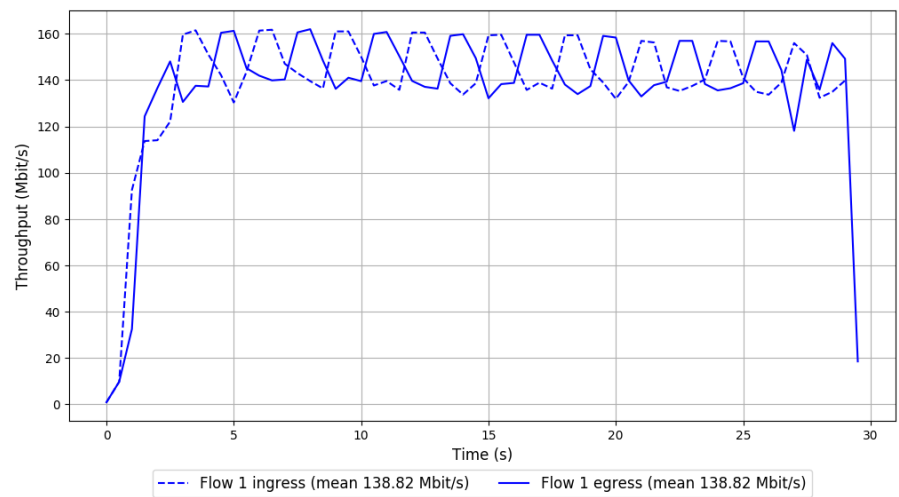
-- Flow 1:

Average throughput: 138.82 Mbit/s

95th percentile per-packet one-way delay: 135.072 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-20 13:06:35

End at: 2018-02-20 13:07:05

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 164.79 Mbit/s

95th percentile per-packet one-way delay: 135.031 ms

Loss rate: 0.00%

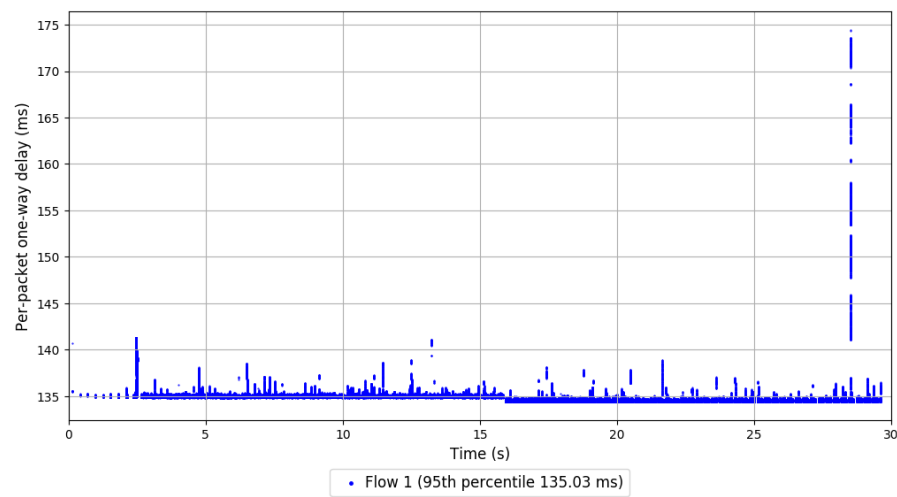
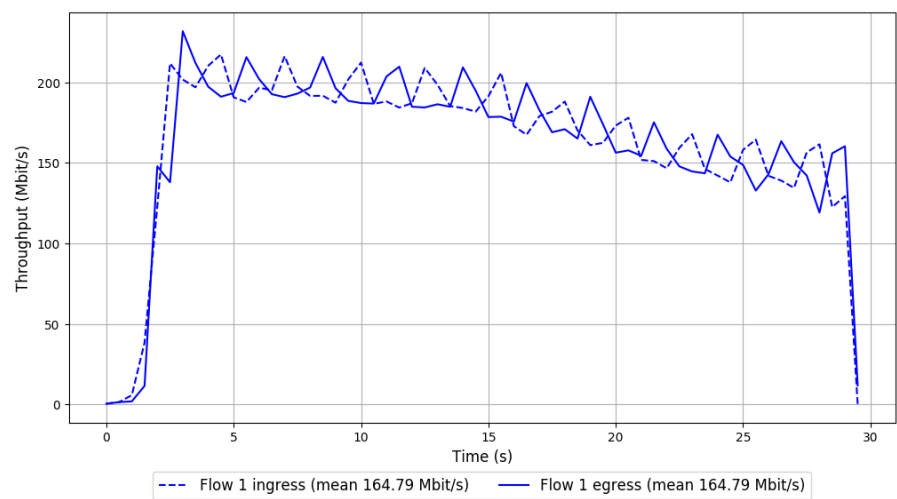
-- Flow 1:

Average throughput: 164.79 Mbit/s

95th percentile per-packet one-way delay: 135.031 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-20 13:23:10

End at: 2018-02-20 13:23:40

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 170.73 Mbit/s

95th percentile per-packet one-way delay: 136.346 ms

Loss rate: 0.00%

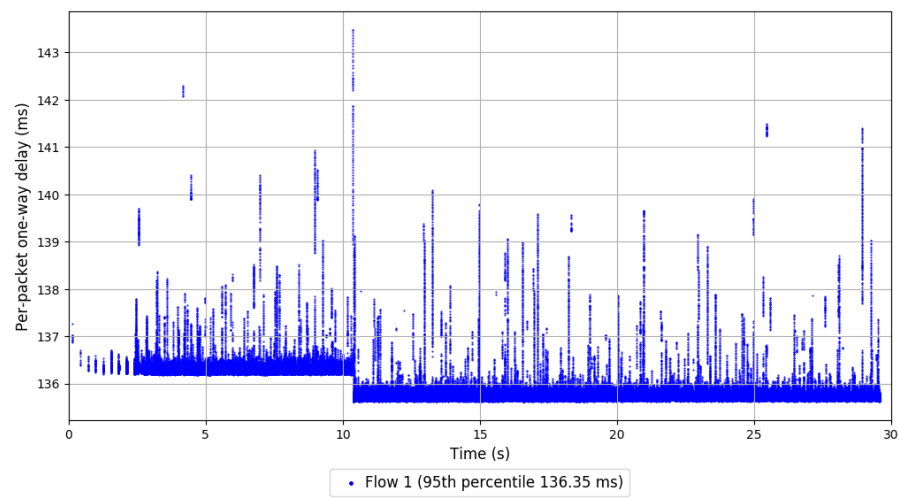
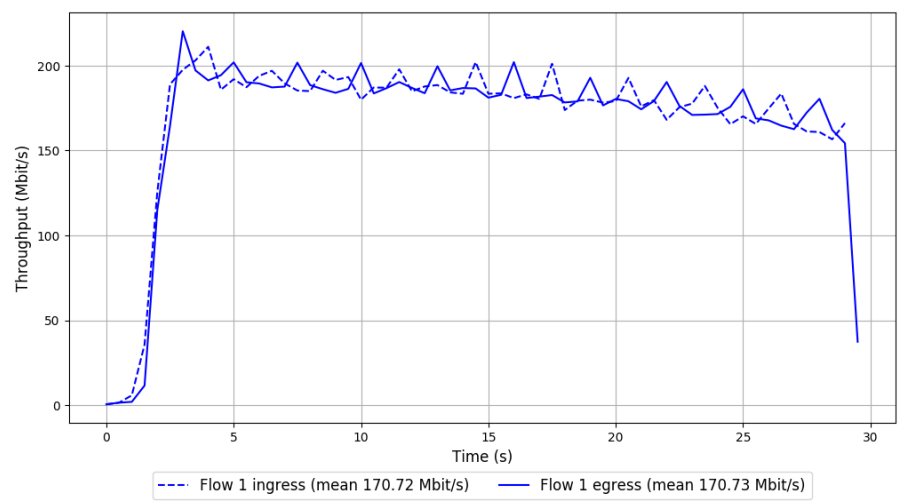
-- Flow 1:

Average throughput: 170.73 Mbit/s

95th percentile per-packet one-way delay: 136.346 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-20 13:39:37

End at: 2018-02-20 13:40:07

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 172.41 Mbit/s

95th percentile per-packet one-way delay: 136.553 ms

Loss rate: 0.00%

-- Flow 1:

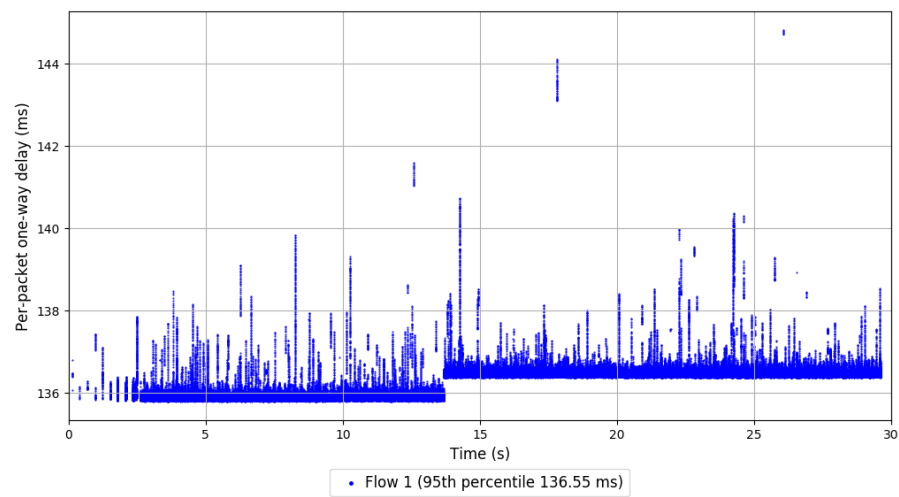
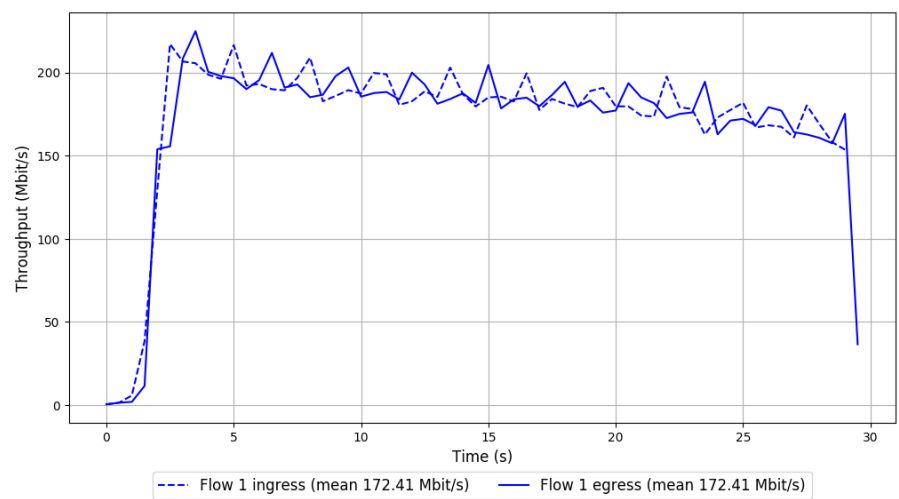
Average throughput: 172.41 Mbit/s

95th percentile per-packet one-way delay: 136.553 ms

Loss rate: 0.00%



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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-20 13:55:52

End at: 2018-02-20 13:56:22

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 168.05 Mbit/s

95th percentile per-packet one-way delay: 136.237 ms

Loss rate: 0.00%

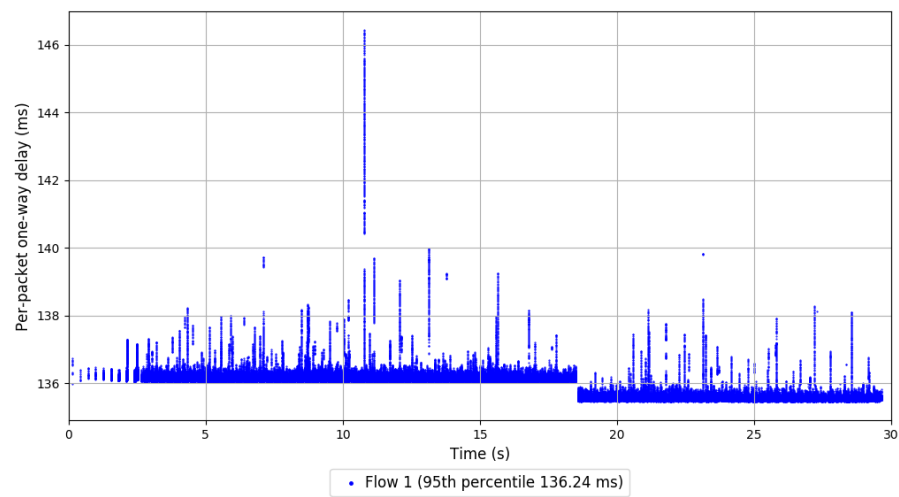
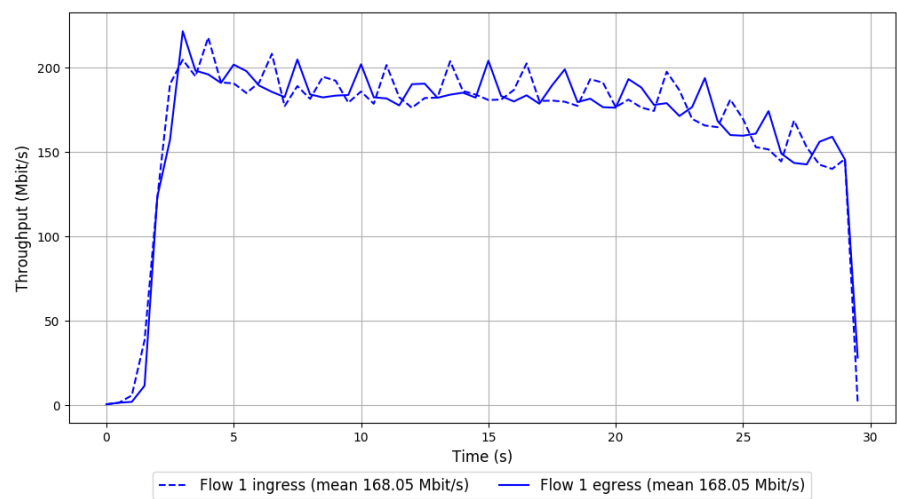
-- Flow 1:

Average throughput: 168.05 Mbit/s

95th percentile per-packet one-way delay: 136.237 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-20 14:12:26

End at: 2018-02-20 14:12:56

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 174.97 Mbit/s

95th percentile per-packet one-way delay: 136.011 ms

Loss rate: 0.00%

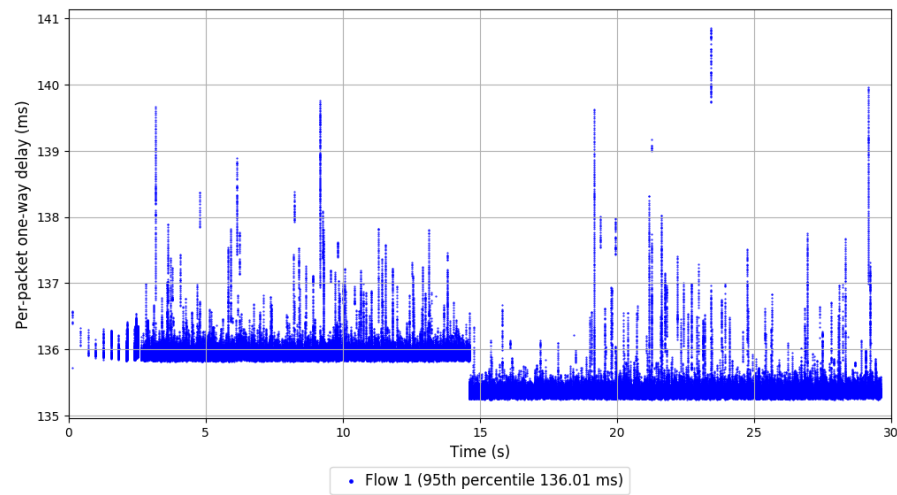
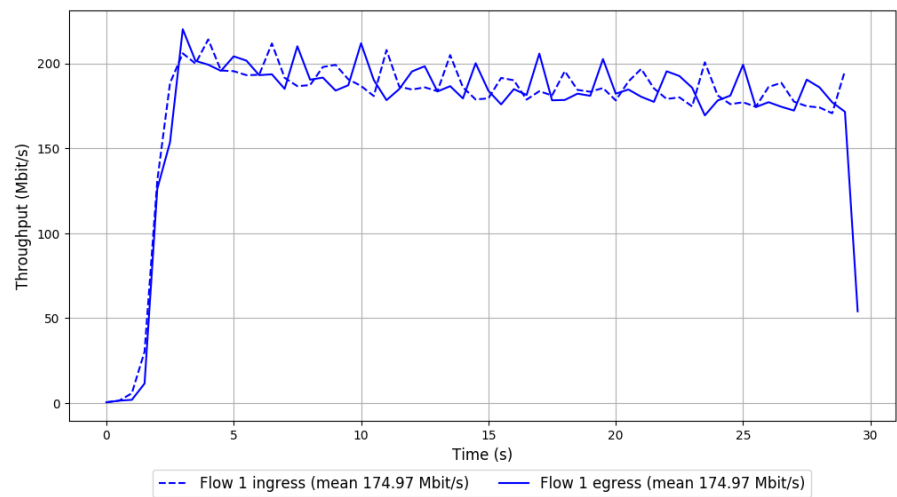
-- Flow 1:

Average throughput: 174.97 Mbit/s

95th percentile per-packet one-way delay: 136.011 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-20 14:28:44

End at: 2018-02-20 14:29:14

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 174.54 Mbit/s

95th percentile per-packet one-way delay: 136.153 ms

Loss rate: 0.00%

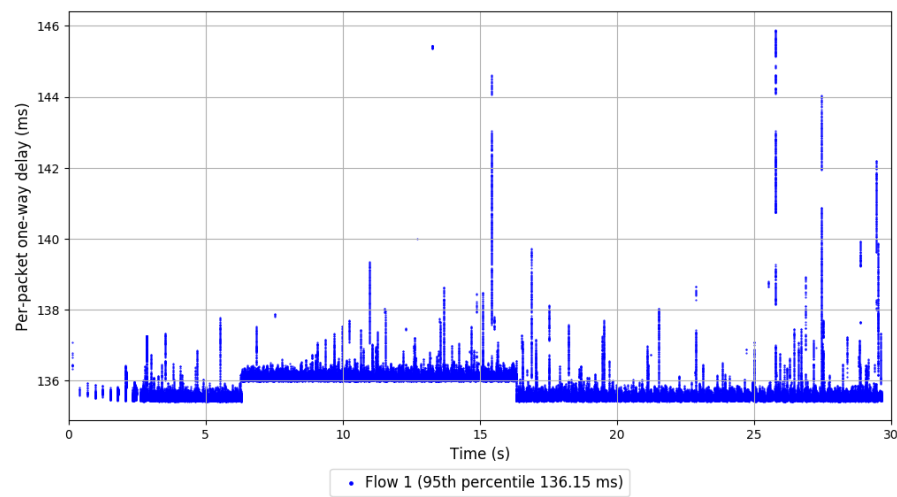
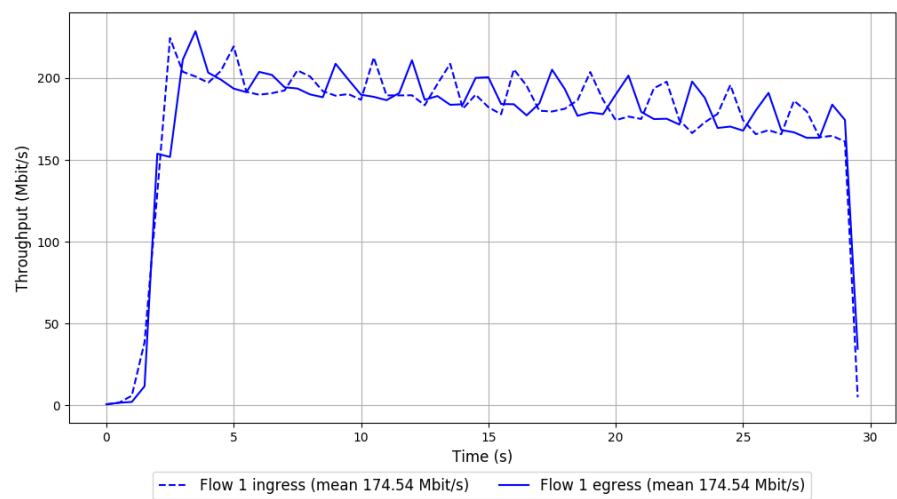
-- Flow 1:

Average throughput: 174.54 Mbit/s

95th percentile per-packet one-way delay: 136.153 ms

Loss rate: 0.00%

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



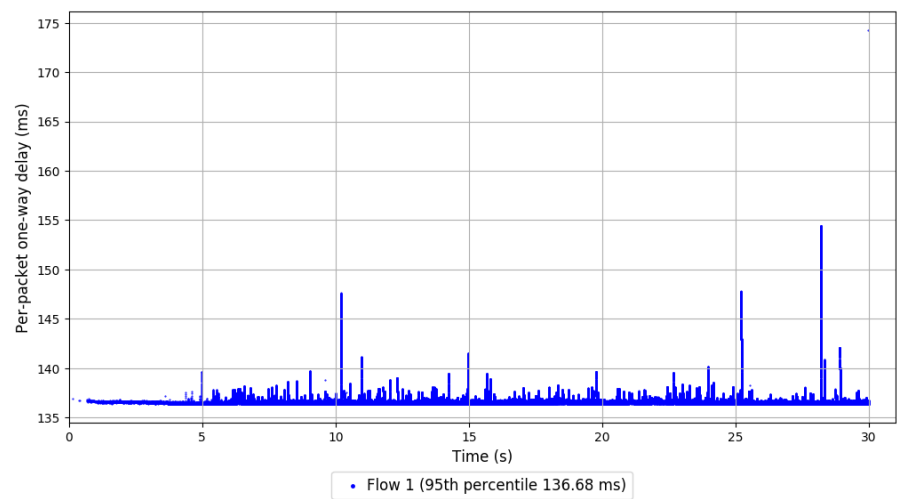
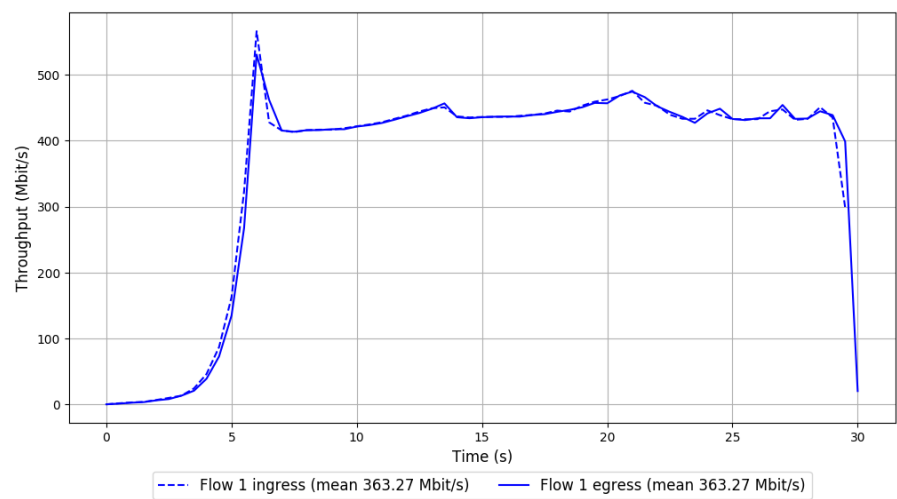
```
Run 1: Statistics of Vivace-latency

Start at: 2018-02-20 11:54:11
End at: 2018-02-20 11:54:41

# Below is generated by plot.py at 2018-02-20 16:45:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 363.27 Mbit/s
95th percentile per-packet one-way delay: 136.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 363.27 Mbit/s
95th percentile per-packet one-way delay: 136.684 ms
Loss rate: 0.00%
```



Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-20 12:10:00

End at: 2018-02-20 12:10:30

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 364.89 Mbit/s

95th percentile per-packet one-way delay: 138.482 ms

Loss rate: 0.00%

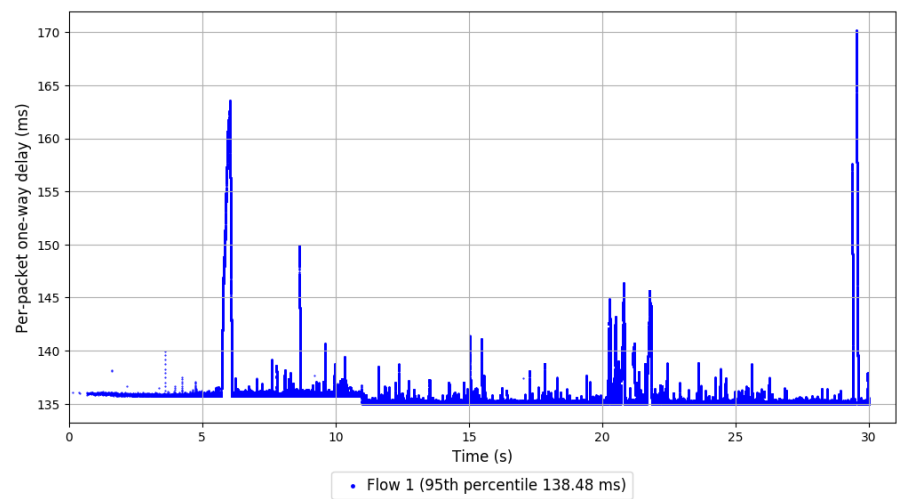
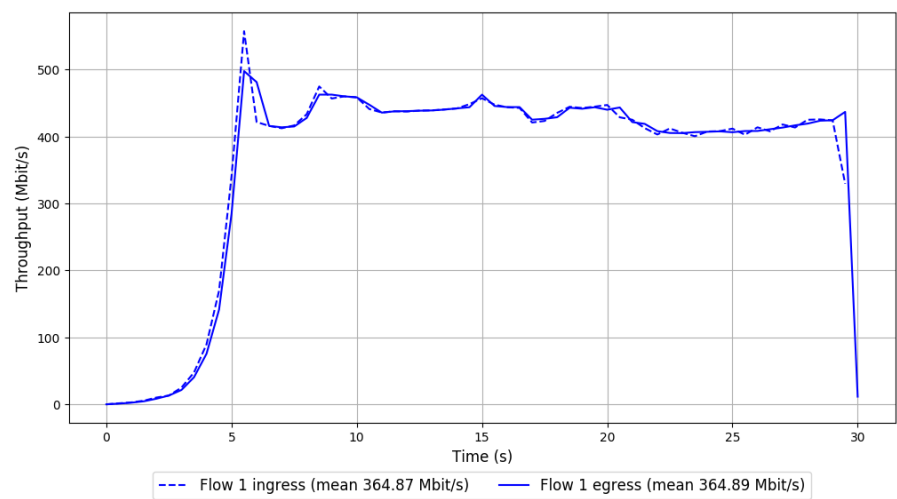
-- Flow 1:

Average throughput: 364.89 Mbit/s

95th percentile per-packet one-way delay: 138.482 ms

Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-02-20 12:26:14

End at: 2018-02-20 12:26:44

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 250.41 Mbit/s

95th percentile per-packet one-way delay: 156.058 ms

Loss rate: 0.01%

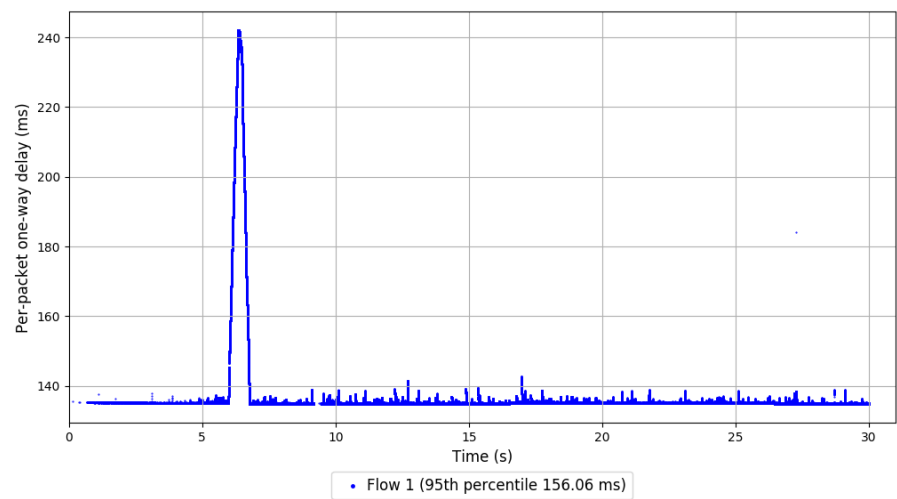
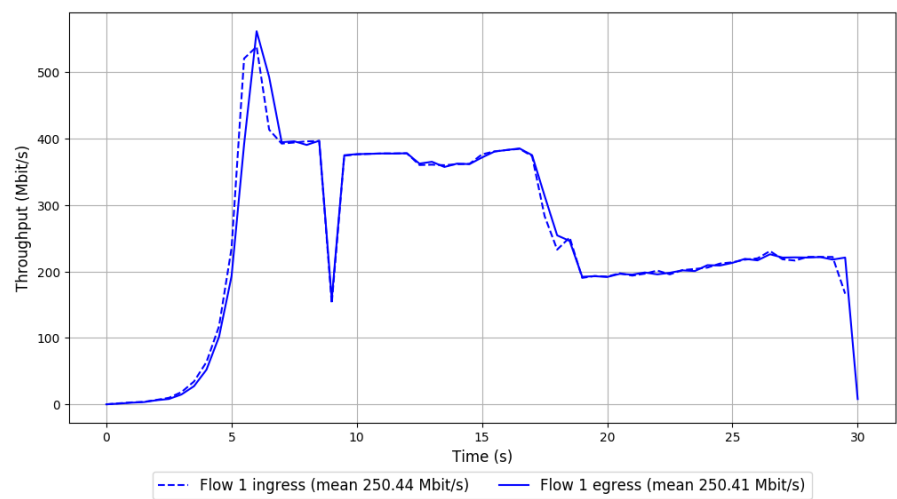
-- Flow 1:

Average throughput: 250.41 Mbit/s

95th percentile per-packet one-way delay: 156.058 ms

Loss rate: 0.01%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-20 12:42:20

End at: 2018-02-20 12:42:51

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 357.67 Mbit/s

95th percentile per-packet one-way delay: 137.066 ms

Loss rate: 0.00%

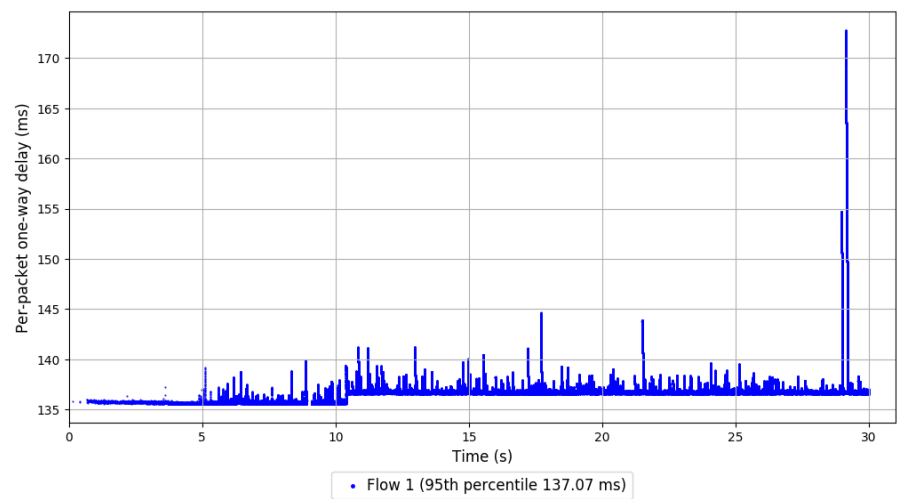
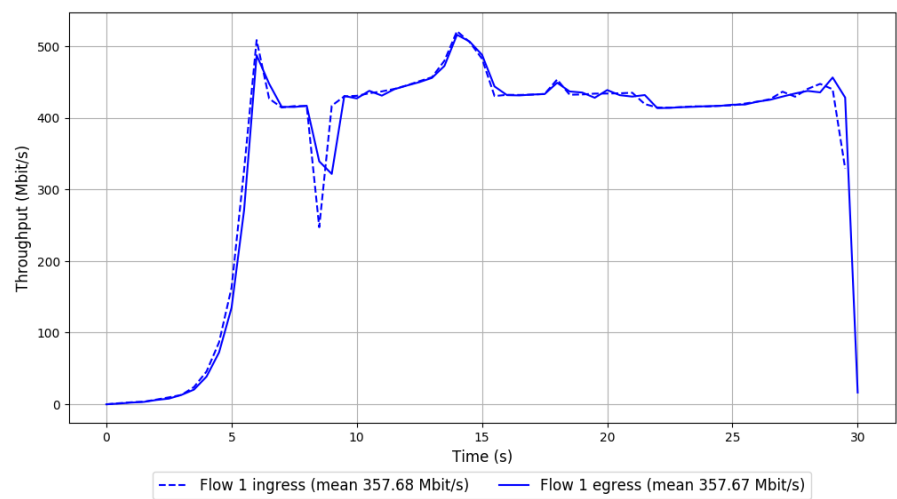
-- Flow 1:

Average throughput: 357.67 Mbit/s

95th percentile per-packet one-way delay: 137.066 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-02-20 12:58:40

End at: 2018-02-20 12:59:10

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 334.71 Mbit/s

95th percentile per-packet one-way delay: 163.986 ms

Loss rate: 0.01%

-- Flow 1:

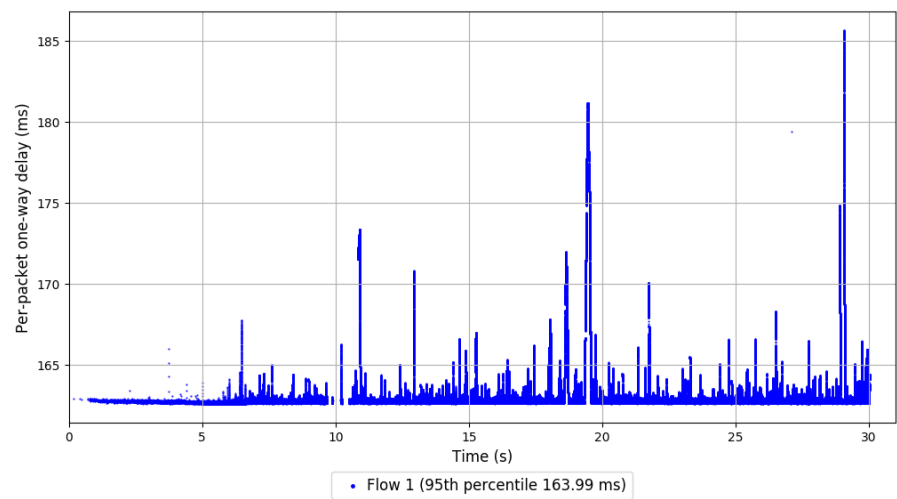
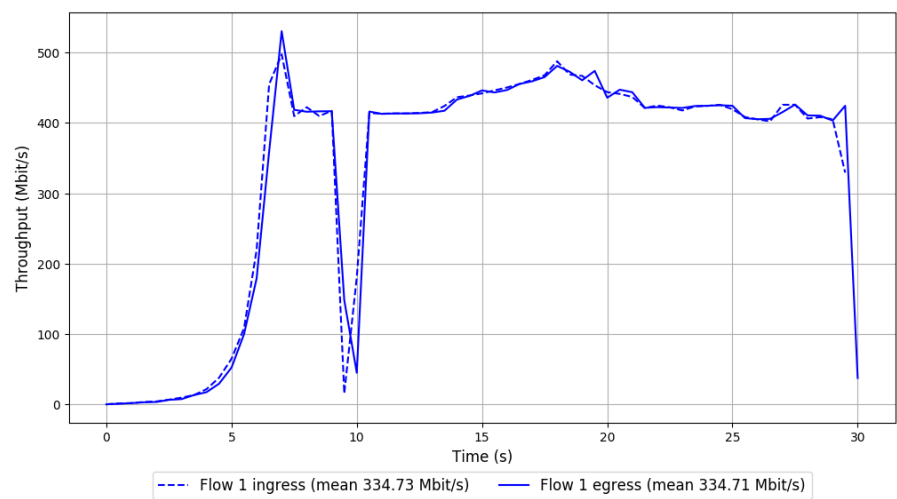
Average throughput: 334.71 Mbit/s

95th percentile per-packet one-way delay: 163.986 ms

Loss rate: 0.01%



Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-20 13:15:22

End at: 2018-02-20 13:15:52

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 334.05 Mbit/s

95th percentile per-packet one-way delay: 162.980 ms

Loss rate: 0.00%

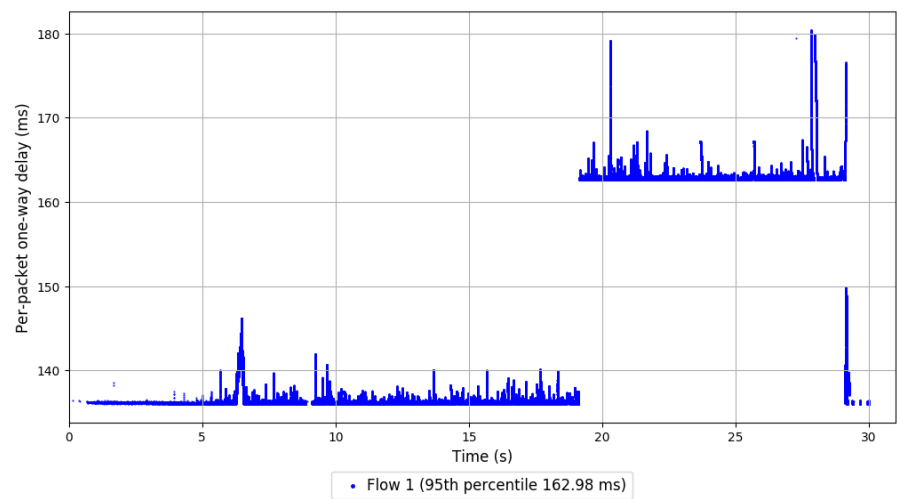
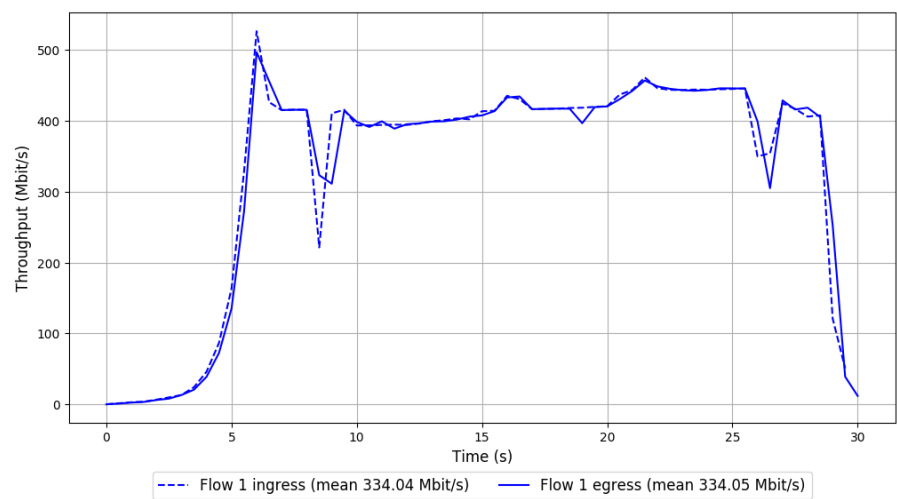
-- Flow 1:

Average throughput: 334.05 Mbit/s

95th percentile per-packet one-way delay: 162.980 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-20 13:31:50

End at: 2018-02-20 13:32:20

# Below is generated by plot.py at 2018-02-20 16:45:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 345.53 Mbit/s

95th percentile per-packet one-way delay: 161.521 ms

Loss rate: 0.00%

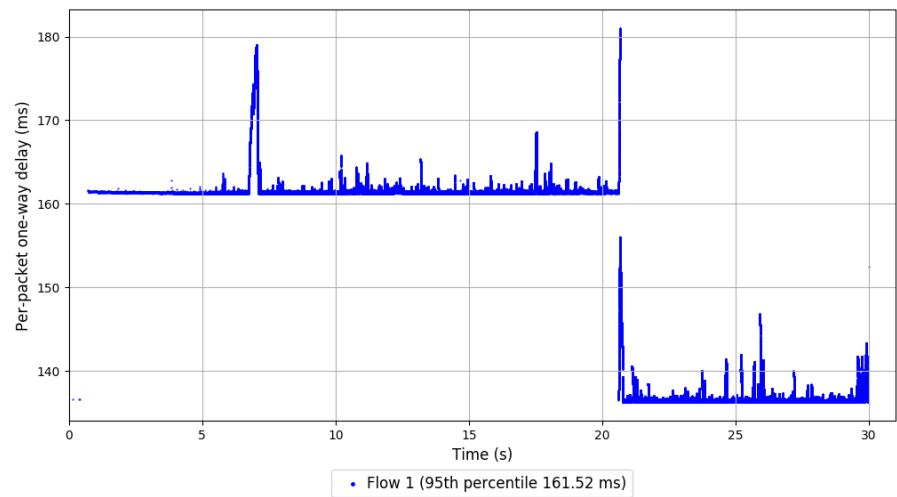
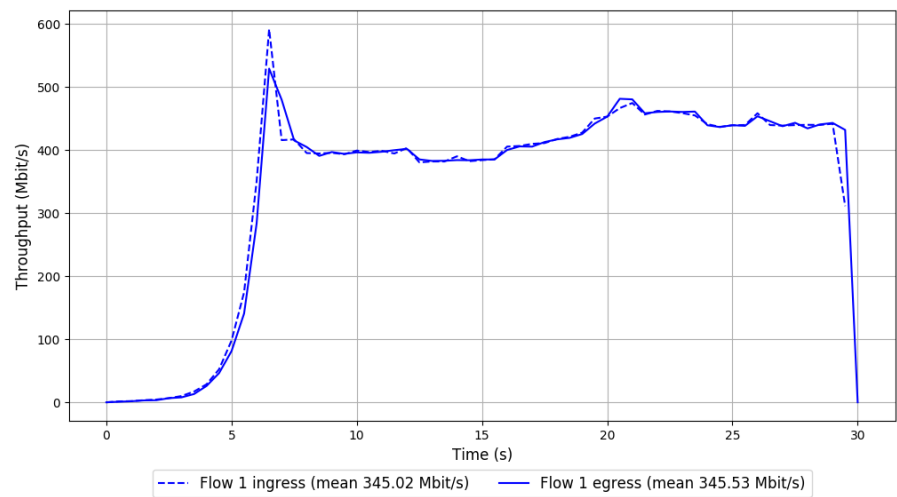
-- Flow 1:

Average throughput: 345.53 Mbit/s

95th percentile per-packet one-way delay: 161.521 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-20 13:48:16

End at: 2018-02-20 13:48:46

# Below is generated by plot.py at 2018-02-20 16:45:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 379.75 Mbit/s

95th percentile per-packet one-way delay: 143.633 ms

Loss rate: 0.00%

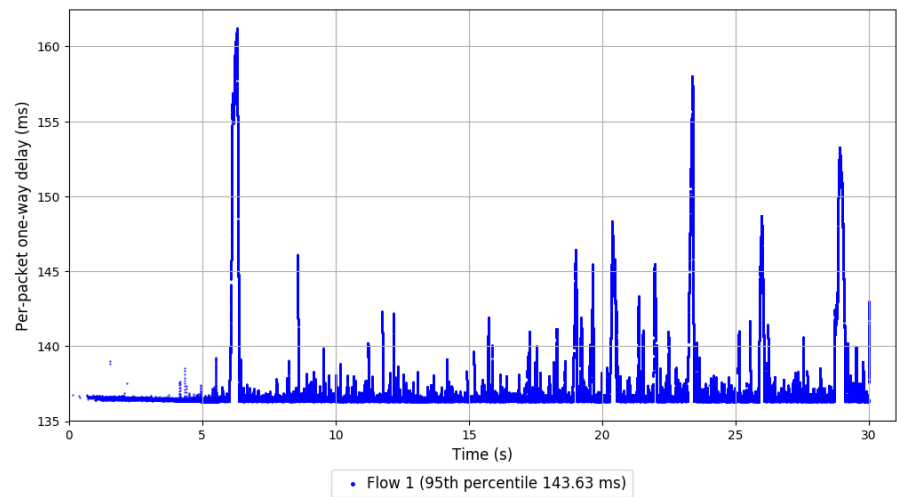
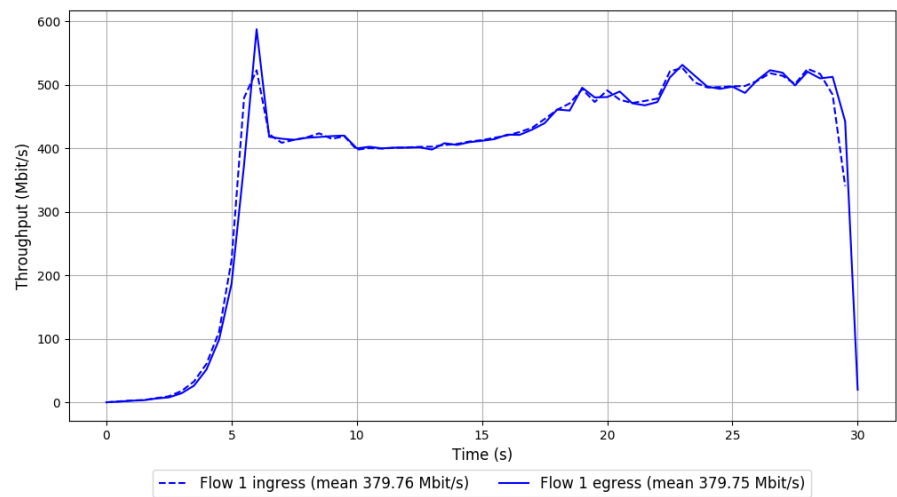
-- Flow 1:

Average throughput: 379.75 Mbit/s

95th percentile per-packet one-way delay: 143.633 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-20 14:04:36

End at: 2018-02-20 14:05:06

# Below is generated by plot.py at 2018-02-20 16:45:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 362.91 Mbit/s

95th percentile per-packet one-way delay: 139.766 ms

Loss rate: 0.00%

-- Flow 1:

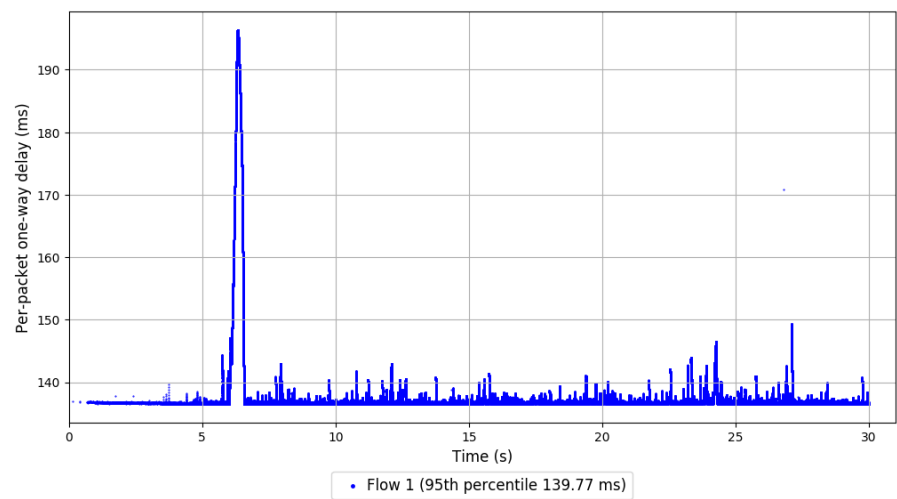
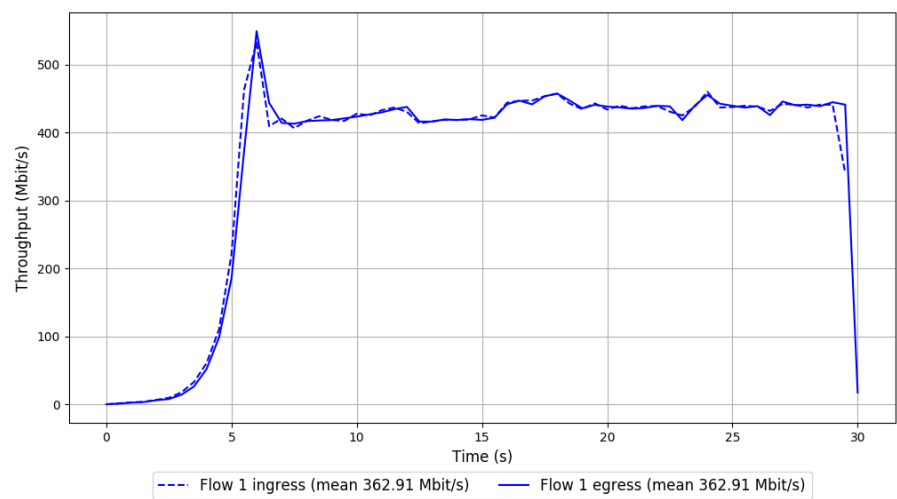
Average throughput: 362.91 Mbit/s

95th percentile per-packet one-way delay: 139.766 ms

Loss rate: 0.00%



Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-20 14:21:00

End at: 2018-02-20 14:21:30

# Below is generated by plot.py at 2018-02-20 16:45:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 353.44 Mbit/s

95th percentile per-packet one-way delay: 138.819 ms

Loss rate: 0.00%

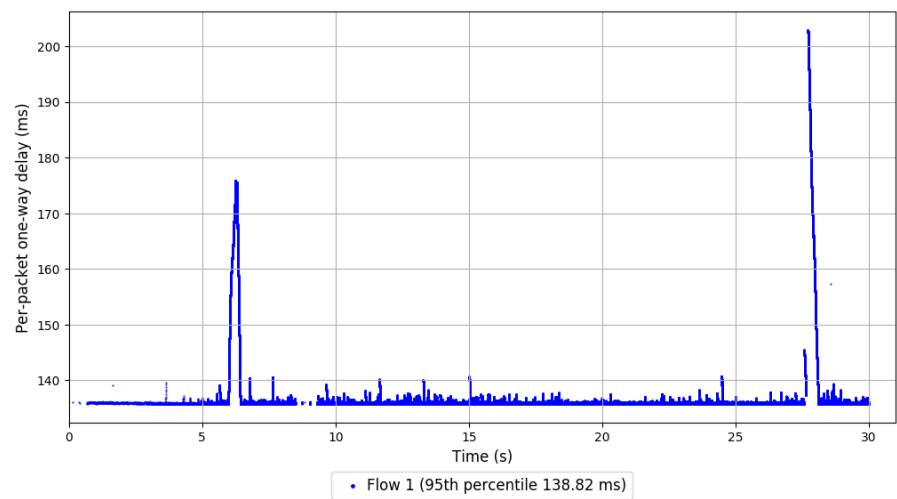
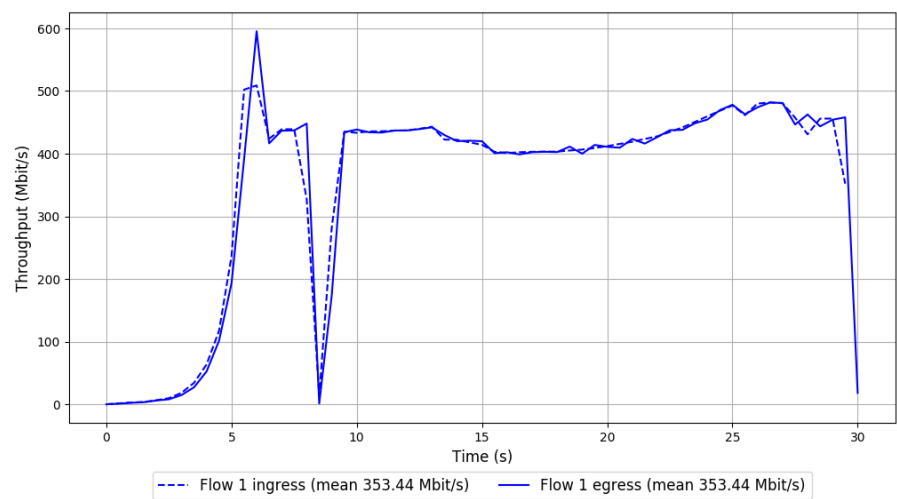
-- Flow 1:

Average throughput: 353.44 Mbit/s

95th percentile per-packet one-way delay: 138.819 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

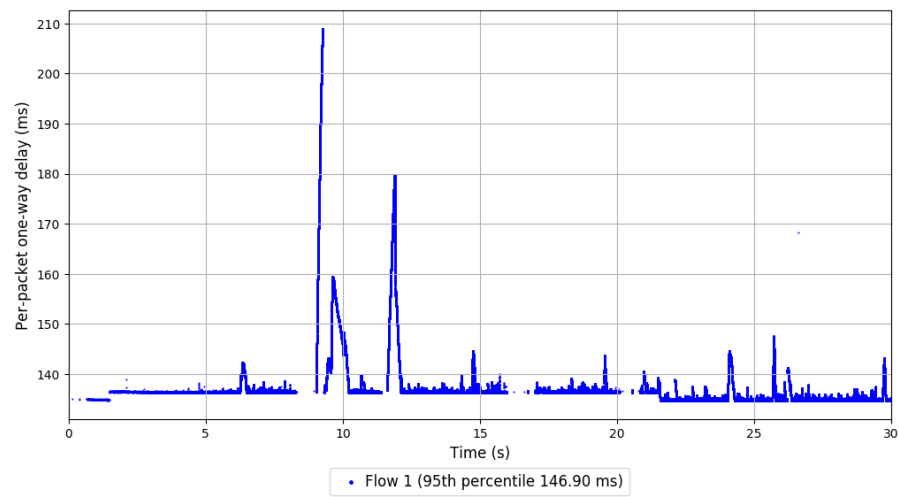
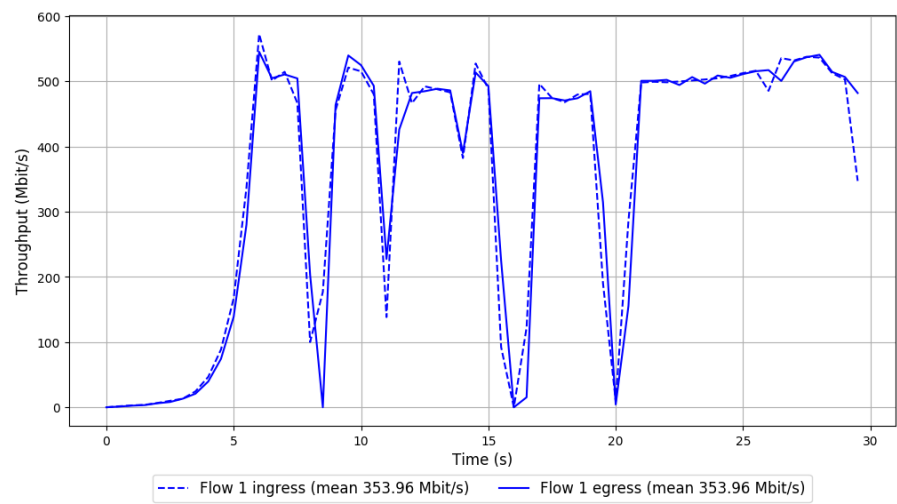


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-20 11:49:59
End at: 2018-02-20 11:50:29

# Below is generated by plot.py at 2018-02-20 16:45:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 353.96 Mbit/s
95th percentile per-packet one-way delay: 146.895 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 353.96 Mbit/s
95th percentile per-packet one-way delay: 146.895 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-20 12:06:01

End at: 2018-02-20 12:06:31

# Below is generated by plot.py at 2018-02-20 16:45:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 176.42 Mbit/s

95th percentile per-packet one-way delay: 144.920 ms

Loss rate: 0.00%

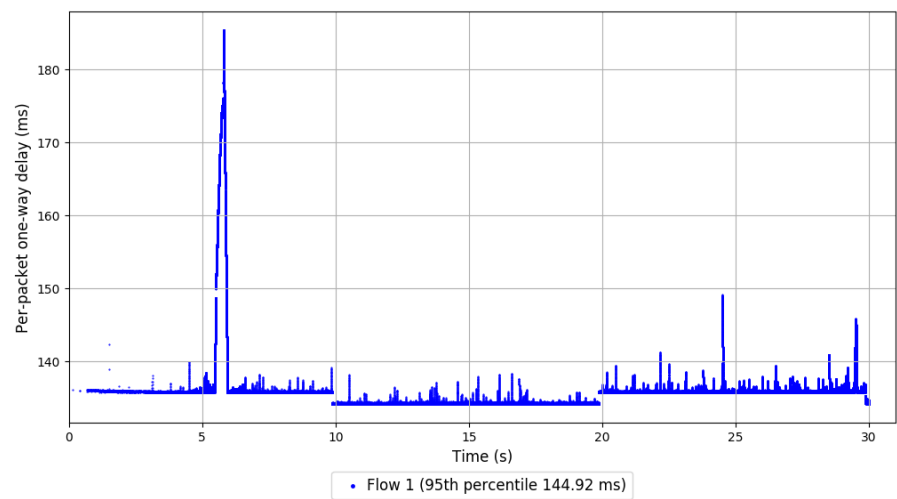
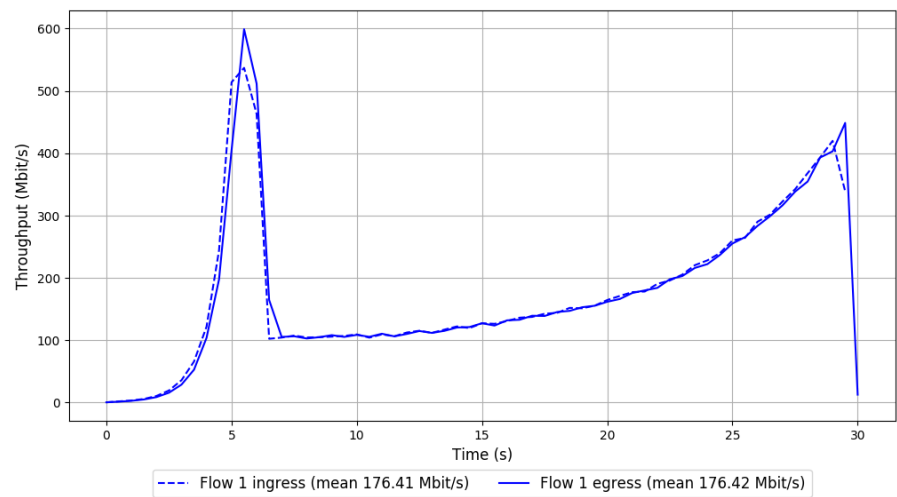
-- Flow 1:

Average throughput: 176.42 Mbit/s

95th percentile per-packet one-way delay: 144.920 ms

Loss rate: 0.00%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-20 12:22:00

End at: 2018-02-20 12:22:30

# Below is generated by plot.py at 2018-02-20 16:50:39

# Datalink statistics

-- Total of 1 flow:

Average throughput: 350.24 Mbit/s

95th percentile per-packet one-way delay: 138.181 ms

Loss rate: 0.00%

-- Flow 1:

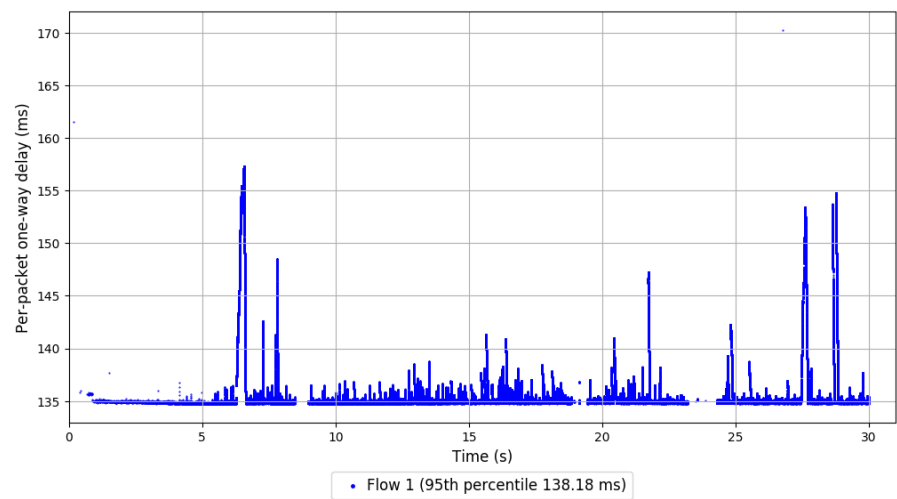
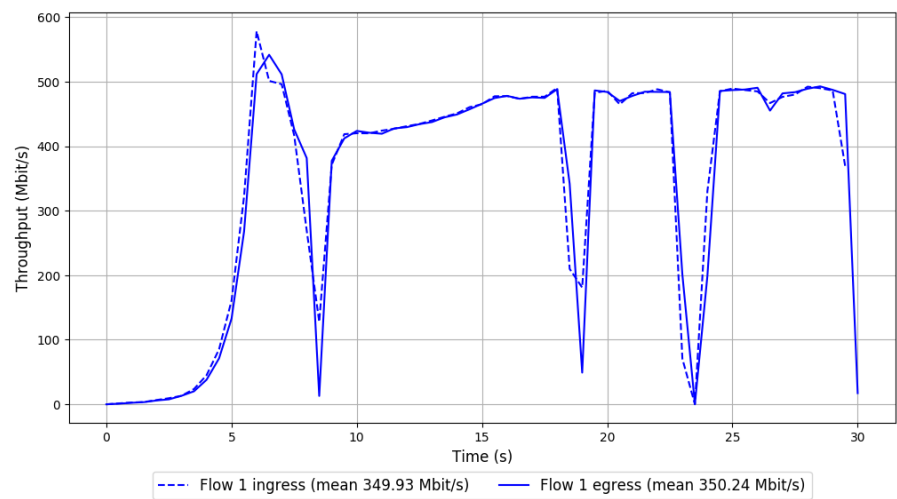
Average throughput: 350.24 Mbit/s

95th percentile per-packet one-way delay: 138.181 ms

Loss rate: 0.00%



Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-20 12:38:04

End at: 2018-02-20 12:38:34

# Below is generated by plot.py at 2018-02-20 16:51:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 351.80 Mbit/s

95th percentile per-packet one-way delay: 162.021 ms

Loss rate: 0.00%

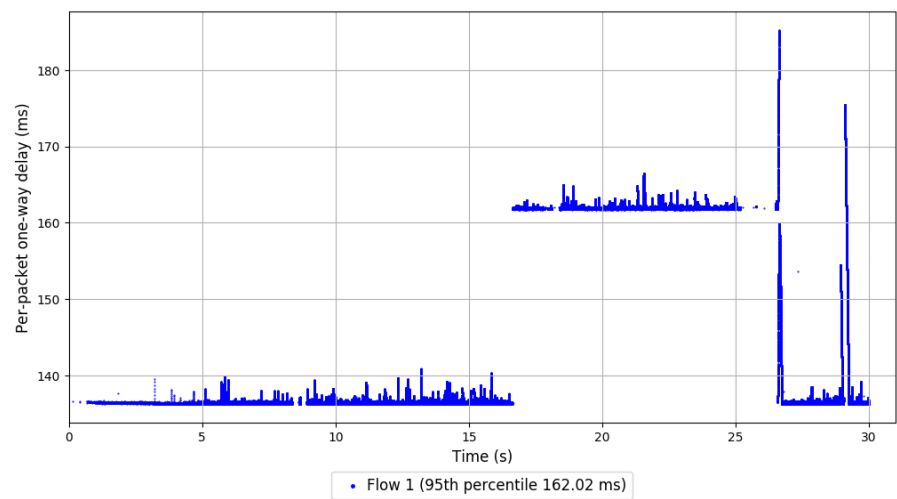
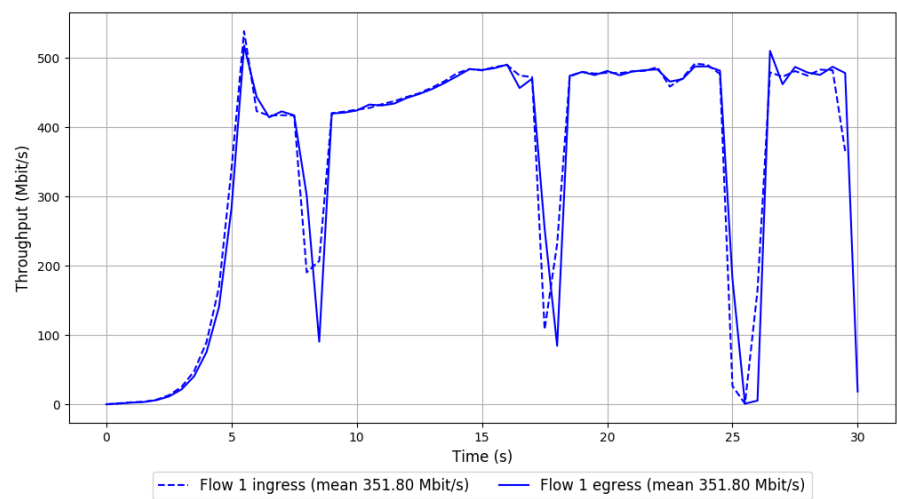
-- Flow 1:

Average throughput: 351.80 Mbit/s

95th percentile per-packet one-way delay: 162.021 ms

Loss rate: 0.00%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-20 12:54:32

End at: 2018-02-20 12:55:03

# Below is generated by plot.py at 2018-02-20 16:51:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 284.21 Mbit/s

95th percentile per-packet one-way delay: 145.142 ms

Loss rate: 0.00%

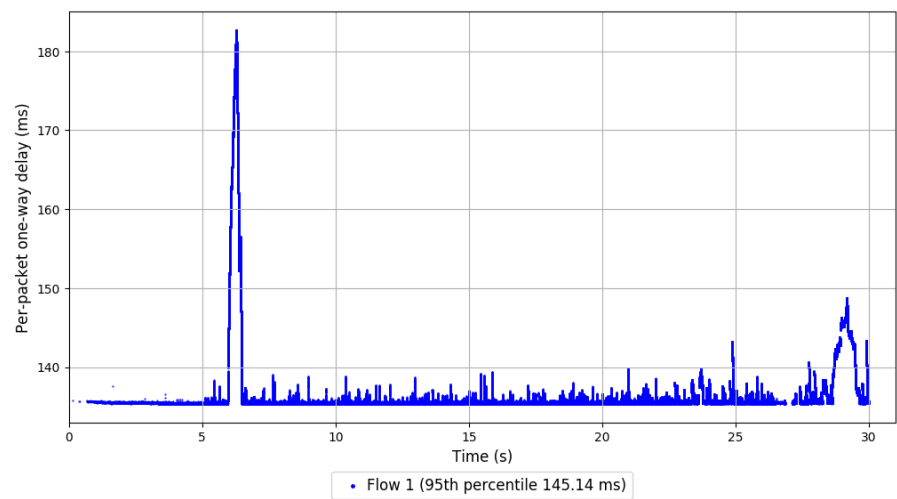
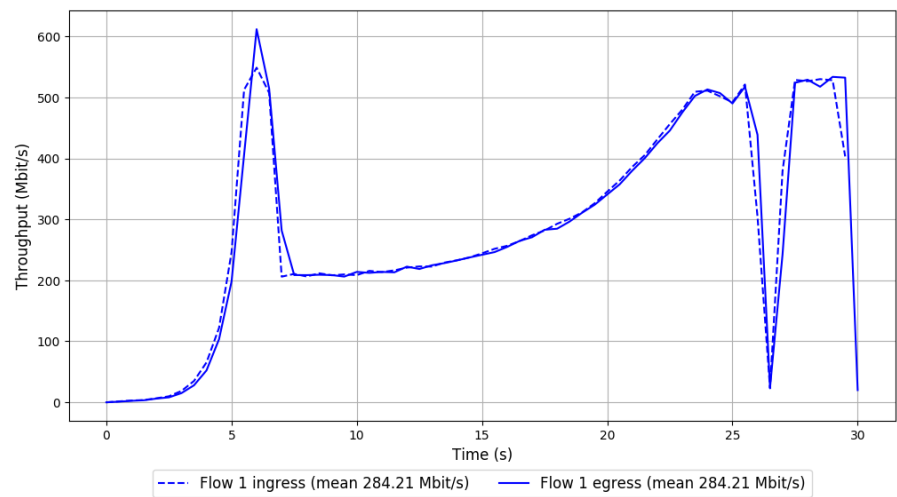
-- Flow 1:

Average throughput: 284.21 Mbit/s

95th percentile per-packet one-way delay: 145.142 ms

Loss rate: 0.00%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-20 13:11:06

End at: 2018-02-20 13:11:36

# Below is generated by plot.py at 2018-02-20 16:51:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 340.08 Mbit/s

95th percentile per-packet one-way delay: 163.763 ms

Loss rate: 0.00%

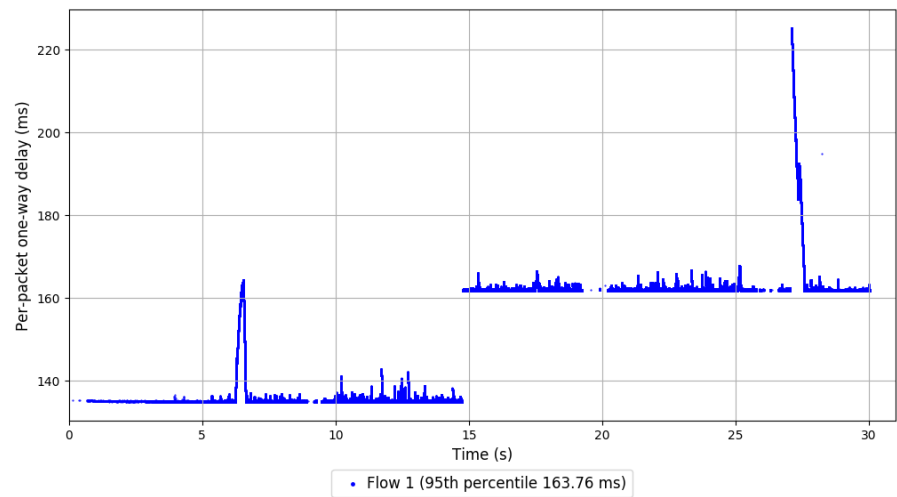
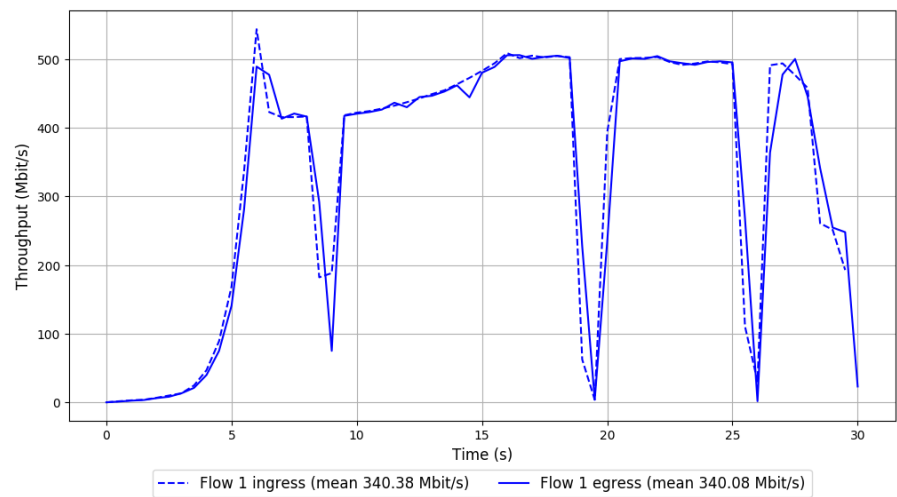
-- Flow 1:

Average throughput: 340.08 Mbit/s

95th percentile per-packet one-way delay: 163.763 ms

Loss rate: 0.00%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-02-20 13:27:35

End at: 2018-02-20 13:28:06

# Below is generated by plot.py at 2018-02-20 16:52:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 364.16 Mbit/s

95th percentile per-packet one-way delay: 143.346 ms

Loss rate: 0.00%

-- Flow 1:

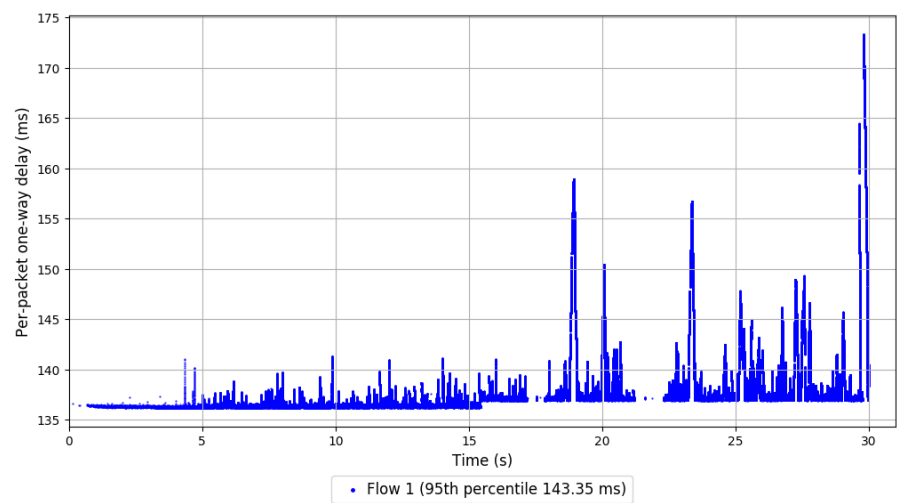
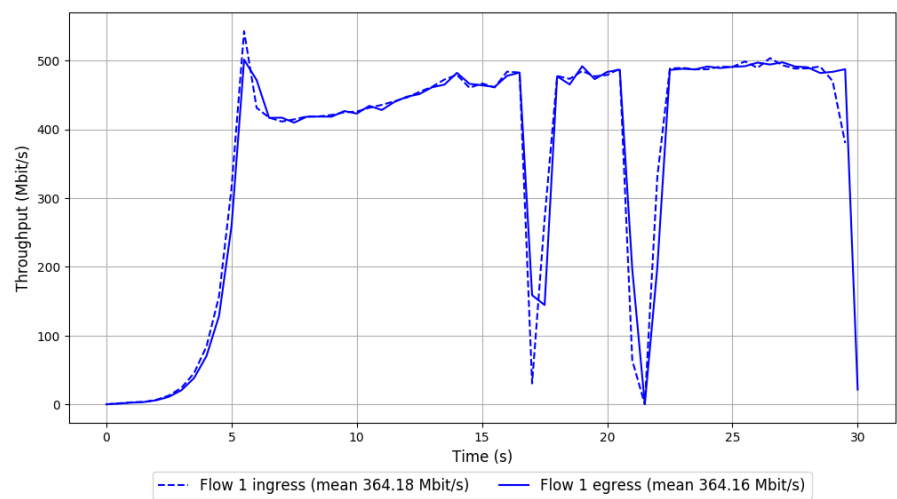
Average throughput: 364.16 Mbit/s

95th percentile per-packet one-way delay: 143.346 ms

Loss rate: 0.00%



Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-20 13:43:58

End at: 2018-02-20 13:44:28

# Below is generated by plot.py at 2018-02-20 16:52:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 360.98 Mbit/s

95th percentile per-packet one-way delay: 150.558 ms

Loss rate: 0.00%

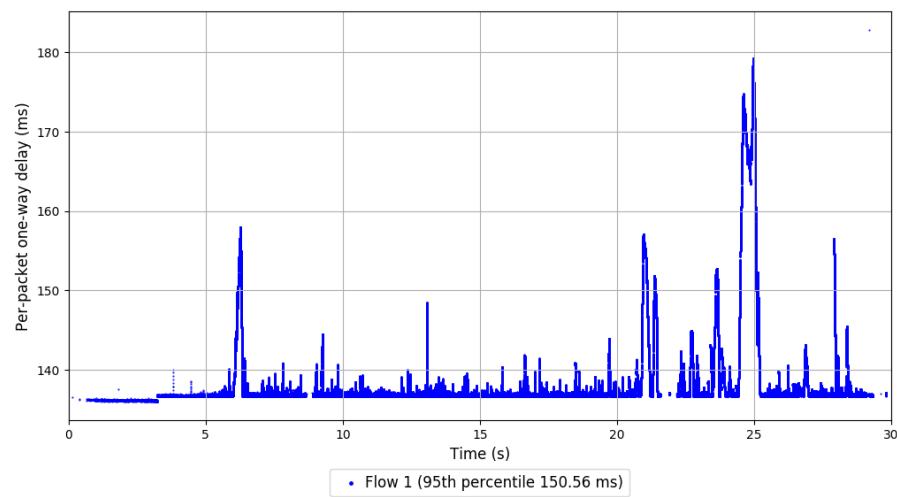
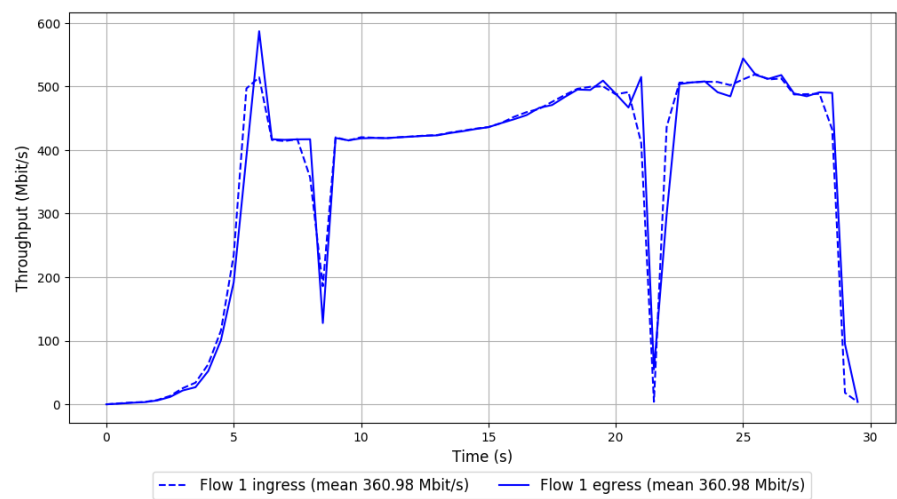
-- Flow 1:

Average throughput: 360.98 Mbit/s

95th percentile per-packet one-way delay: 150.558 ms

Loss rate: 0.00%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-20 14:00:18

End at: 2018-02-20 14:00:49

# Below is generated by plot.py at 2018-02-20 16:52:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 347.25 Mbit/s

95th percentile per-packet one-way delay: 193.306 ms

Loss rate: 0.00%

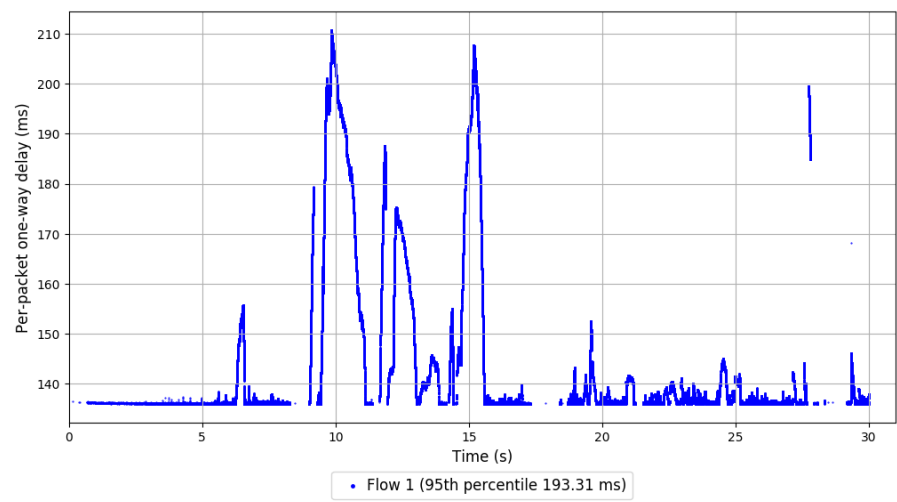
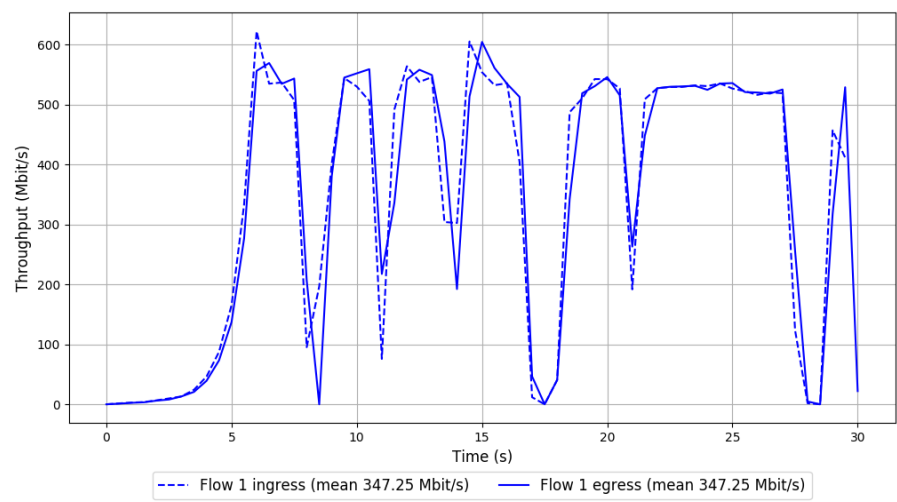
-- Flow 1:

Average throughput: 347.25 Mbit/s

95th percentile per-packet one-way delay: 193.306 ms

Loss rate: 0.00%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-20 14:16:53

End at: 2018-02-20 14:17:23

# Below is generated by plot.py at 2018-02-20 16:52:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 273.51 Mbit/s

95th percentile per-packet one-way delay: 137.502 ms

Loss rate: 0.00%

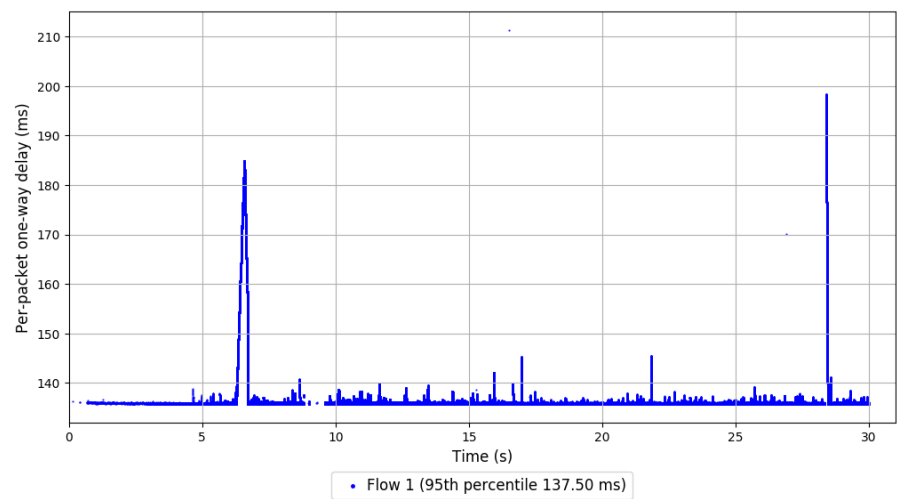
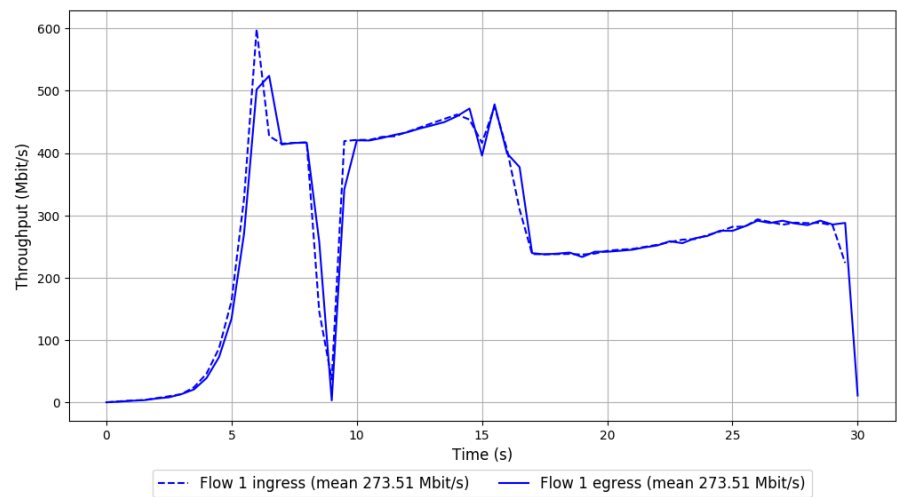
-- Flow 1:

Average throughput: 273.51 Mbit/s

95th percentile per-packet one-way delay: 137.502 ms

Loss rate: 0.00%

Run 10: Report of Vivace-loss — Data Link



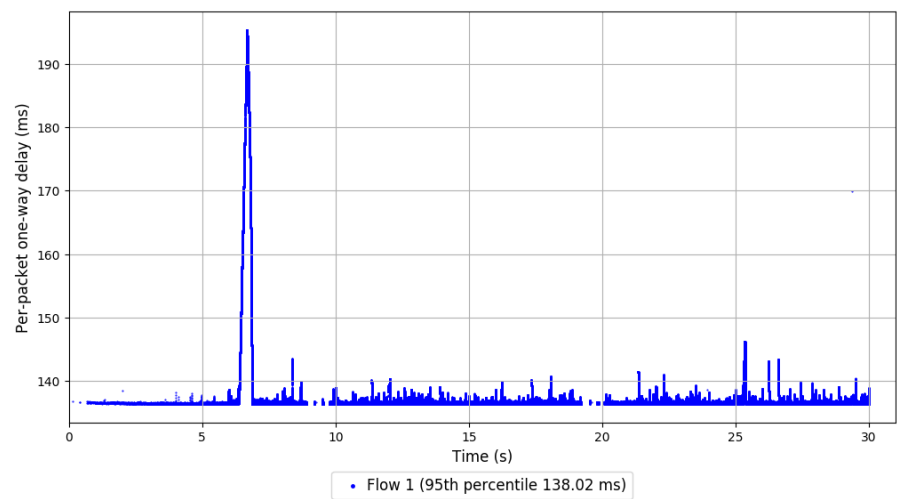
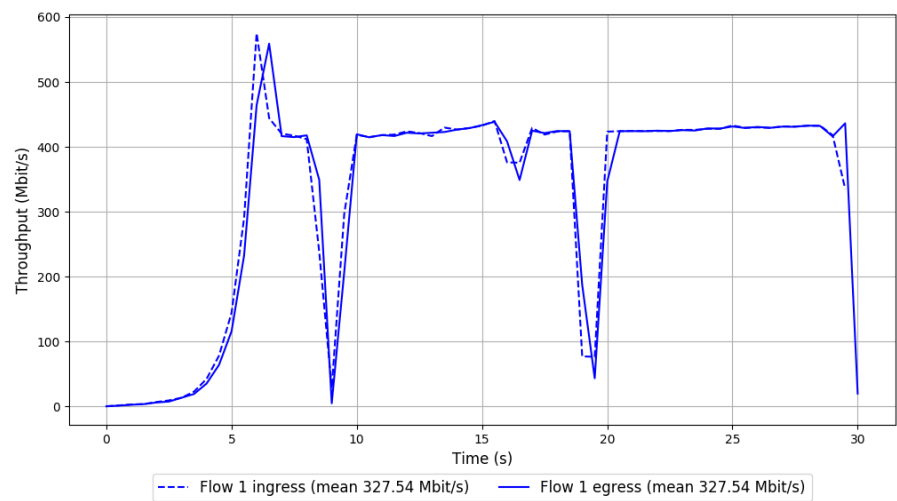
```
Run 1: Statistics of Vivace-LTE

Start at: 2018-02-20 12:00:26
End at: 2018-02-20 12:00:56

# Below is generated by plot.py at 2018-02-20 16:55:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 327.54 Mbit/s
95th percentile per-packet one-way delay: 138.018 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 327.54 Mbit/s
95th percentile per-packet one-way delay: 138.018 ms
Loss rate: 0.00%
```



Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-20 12:16:21

End at: 2018-02-20 12:16:51

# Below is generated by plot.py at 2018-02-20 16:56:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 371.16 Mbit/s

95th percentile per-packet one-way delay: 135.882 ms

Loss rate: 0.00%

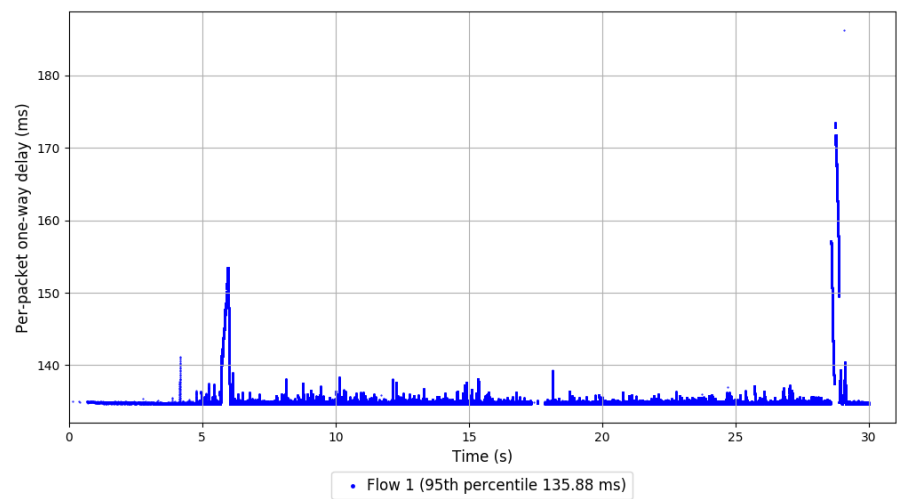
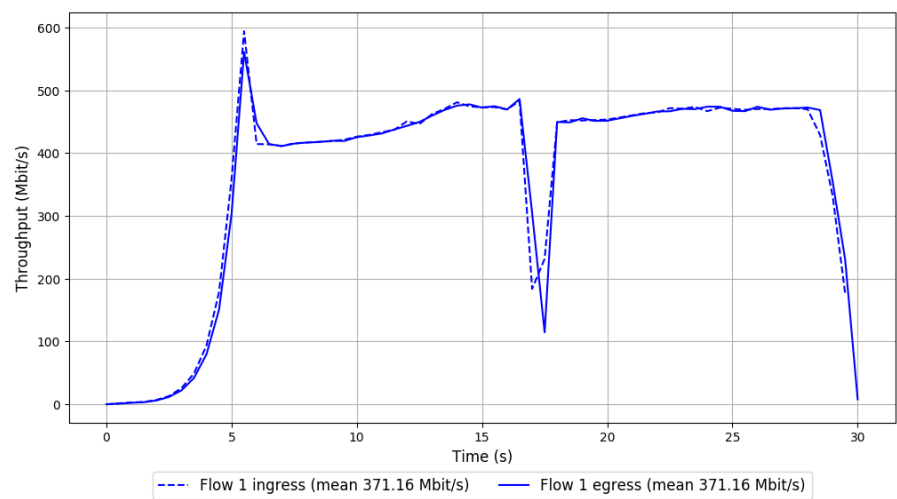
-- Flow 1:

Average throughput: 371.16 Mbit/s

95th percentile per-packet one-way delay: 135.882 ms

Loss rate: 0.00%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-02-20 12:32:31

End at: 2018-02-20 12:33:01

# Below is generated by plot.py at 2018-02-20 16:57:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 383.69 Mbit/s

95th percentile per-packet one-way delay: 135.669 ms

Loss rate: 0.00%

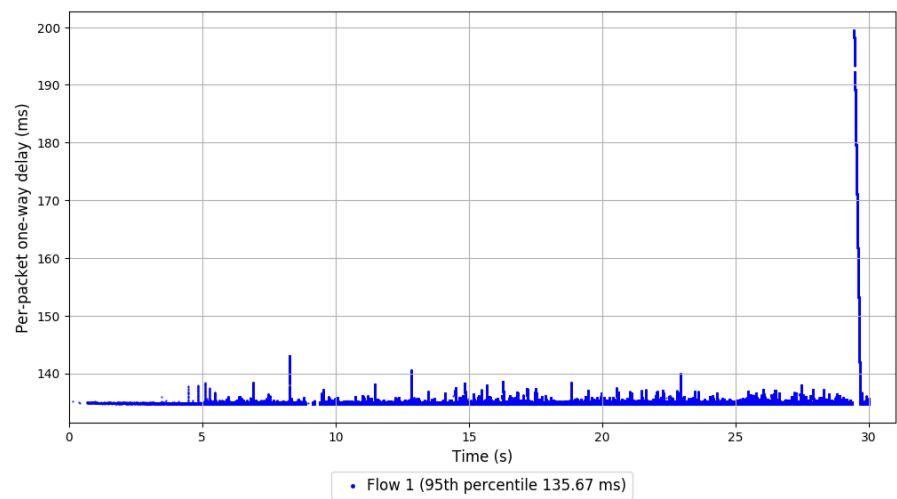
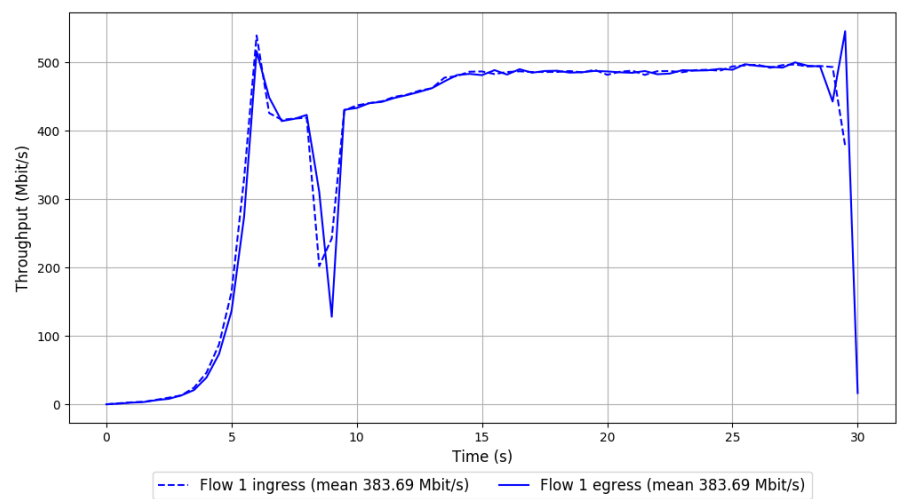
-- Flow 1:

Average throughput: 383.69 Mbit/s

95th percentile per-packet one-way delay: 135.669 ms

Loss rate: 0.00%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-20 12:48:50

End at: 2018-02-20 12:49:20

# Below is generated by plot.py at 2018-02-20 16:57:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 372.99 Mbit/s

95th percentile per-packet one-way delay: 164.301 ms

Loss rate: 0.00%

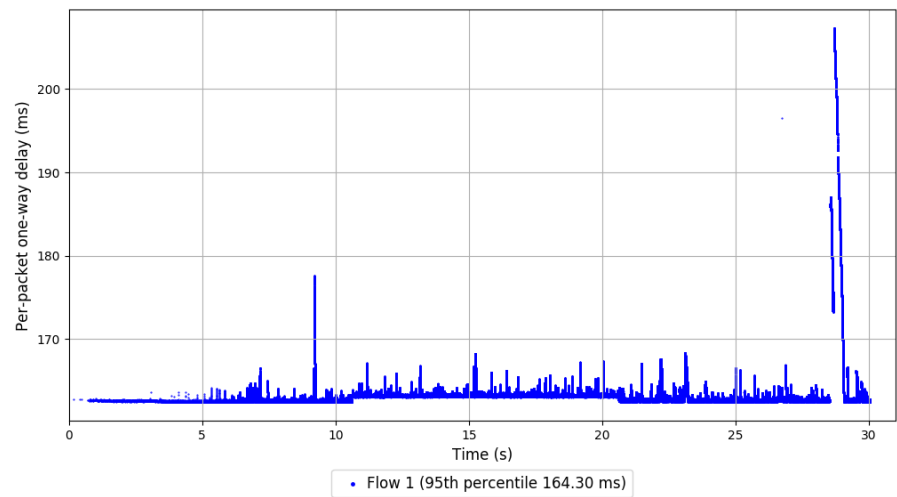
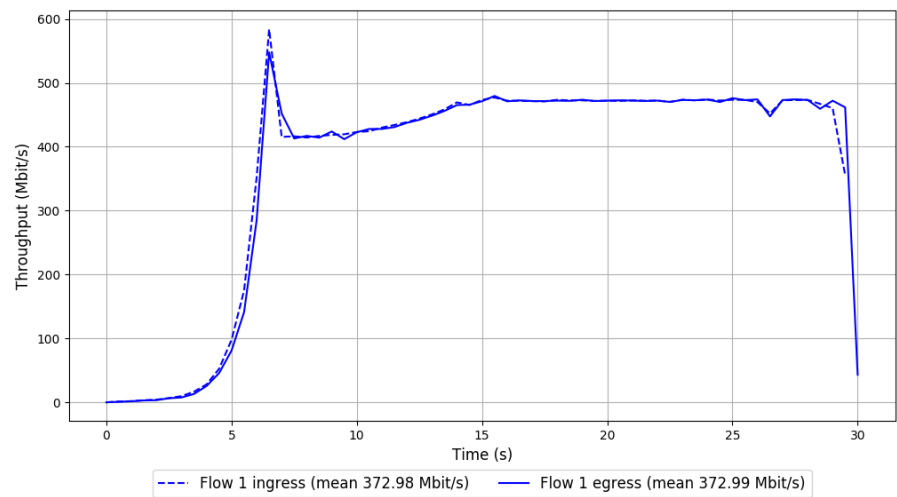
-- Flow 1:

Average throughput: 372.99 Mbit/s

95th percentile per-packet one-way delay: 164.301 ms

Loss rate: 0.00%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-20 13:05:24

End at: 2018-02-20 13:05:54

# Below is generated by plot.py at 2018-02-20 16:57:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 348.77 Mbit/s

95th percentile per-packet one-way delay: 140.564 ms

Loss rate: 0.00%

-- Flow 1:

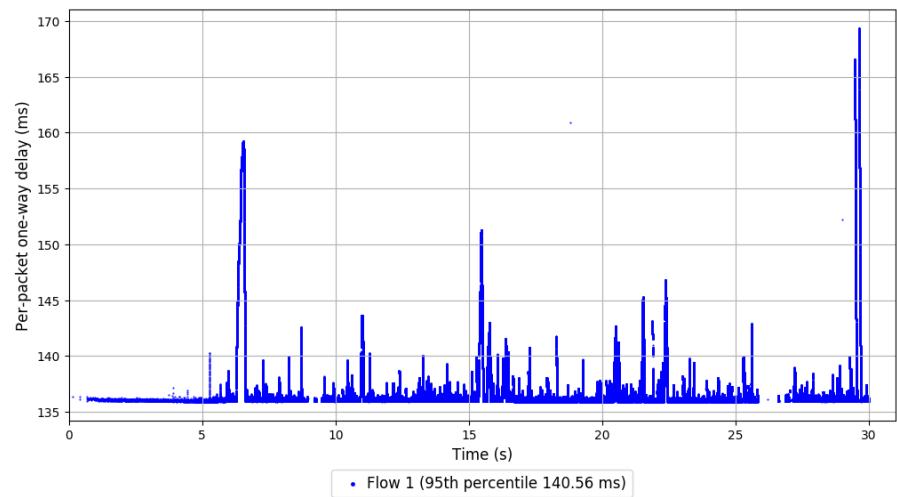
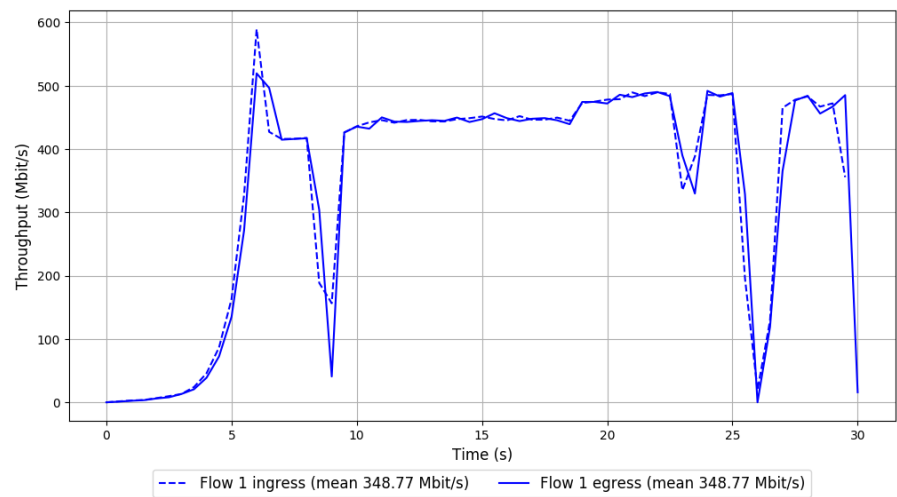
Average throughput: 348.77 Mbit/s

95th percentile per-packet one-way delay: 140.564 ms

Loss rate: 0.00%



Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-20 13:22:00

End at: 2018-02-20 13:22:30

# Below is generated by plot.py at 2018-02-20 16:58:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 353.93 Mbit/s

95th percentile per-packet one-way delay: 143.781 ms

Loss rate: 0.00%

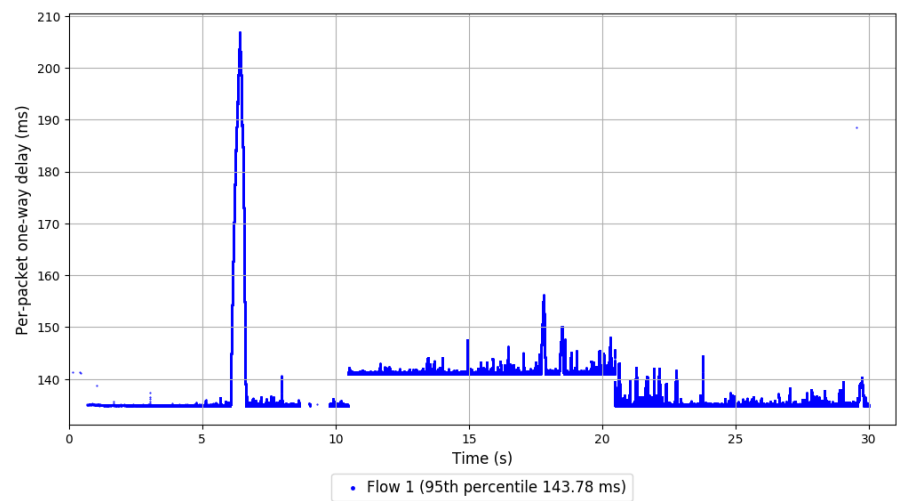
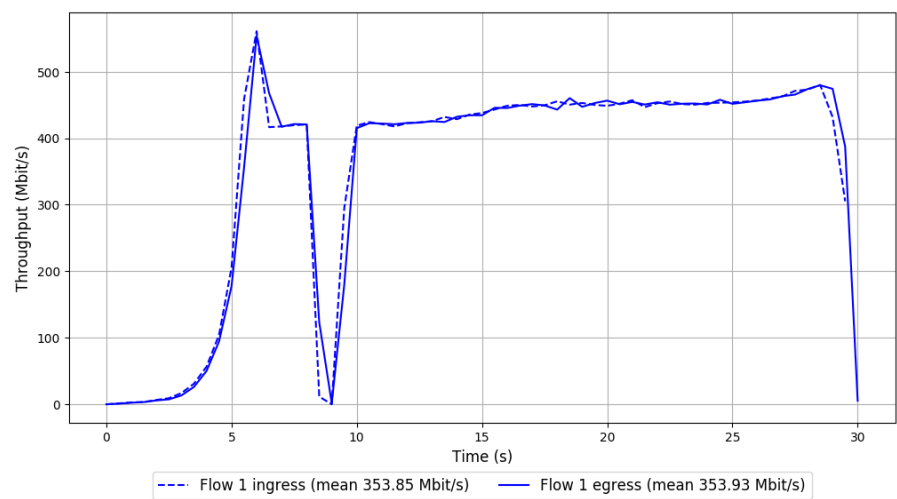
-- Flow 1:

Average throughput: 353.93 Mbit/s

95th percentile per-packet one-way delay: 143.781 ms

Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-20 13:38:26

End at: 2018-02-20 13:38:56

# Below is generated by plot.py at 2018-02-20 16:58:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 374.07 Mbit/s

95th percentile per-packet one-way delay: 164.905 ms

Loss rate: 0.02%

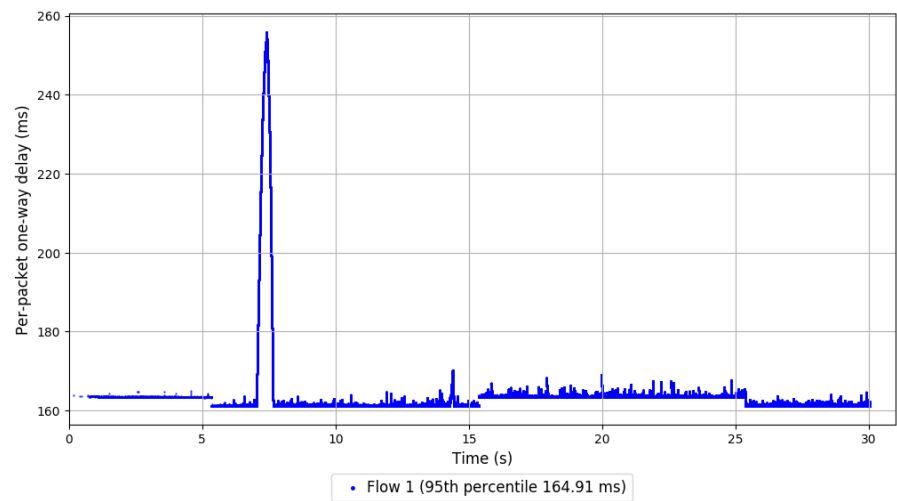
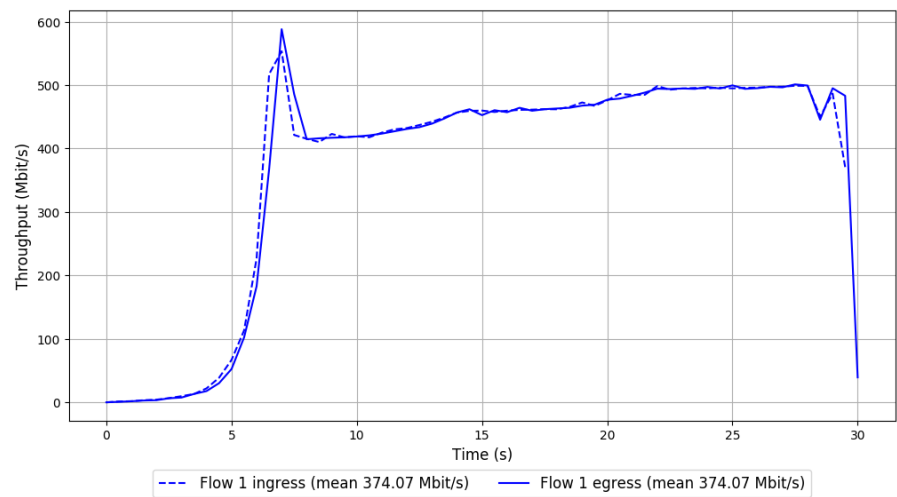
-- Flow 1:

Average throughput: 374.07 Mbit/s

95th percentile per-packet one-way delay: 164.905 ms

Loss rate: 0.02%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-02-20 13:54:41

End at: 2018-02-20 13:55:11

# Below is generated by plot.py at 2018-02-20 16:58:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 370.83 Mbit/s

95th percentile per-packet one-way delay: 140.873 ms

Loss rate: 0.00%

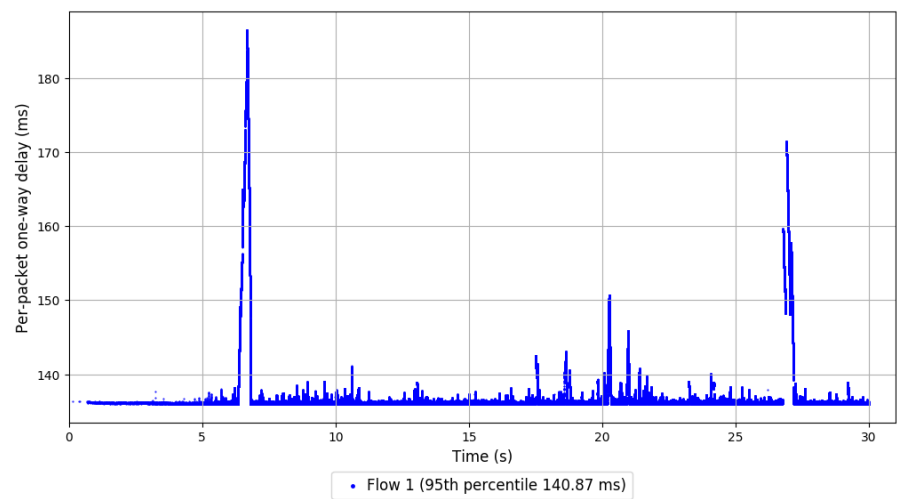
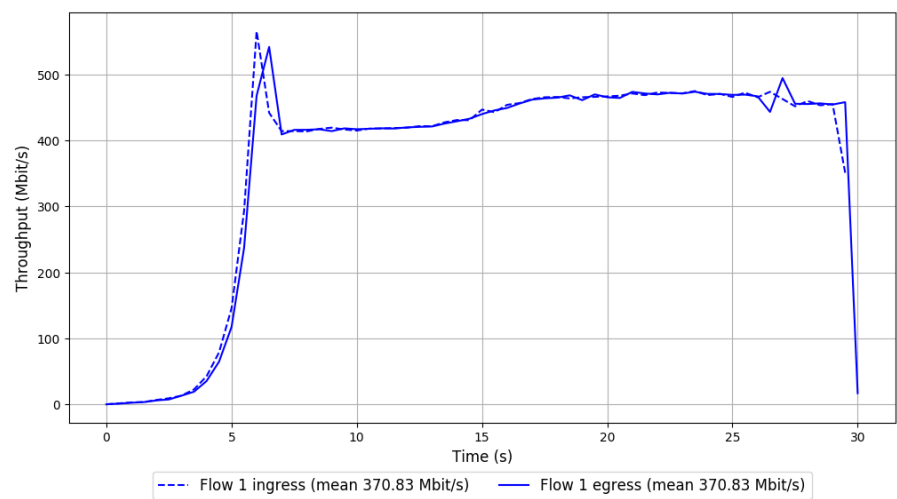
-- Flow 1:

Average throughput: 370.83 Mbit/s

95th percentile per-packet one-way delay: 140.873 ms

Loss rate: 0.00%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-02-20 14:11:15

End at: 2018-02-20 14:11:45

# Below is generated by plot.py at 2018-02-20 16:58:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 362.83 Mbit/s

95th percentile per-packet one-way delay: 140.902 ms

Loss rate: 0.00%

-- Flow 1:

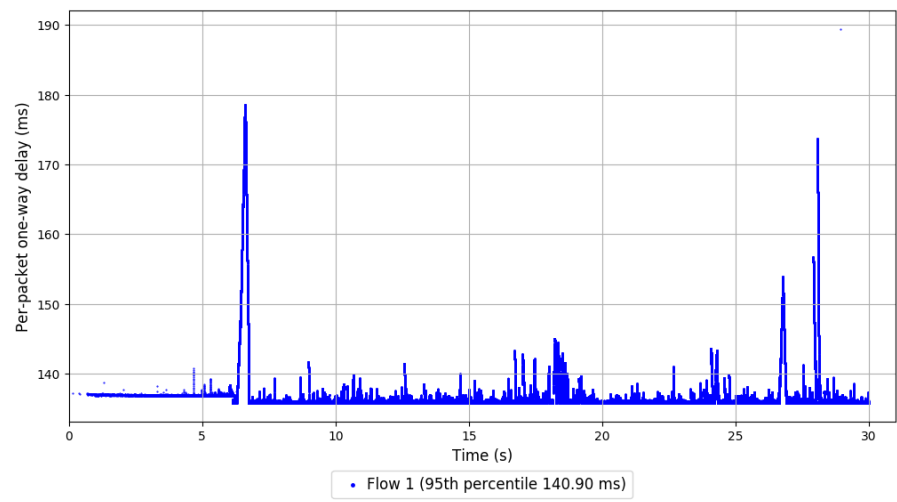
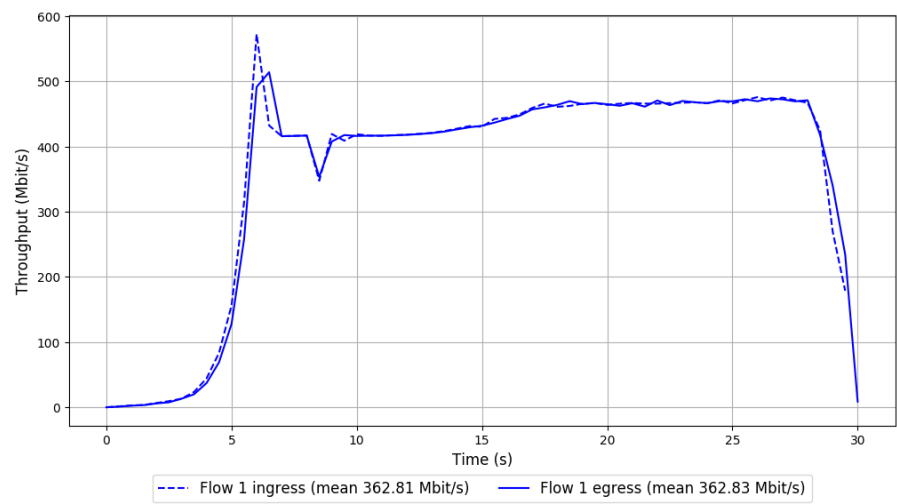
Average throughput: 362.83 Mbit/s

95th percentile per-packet one-way delay: 140.902 ms

Loss rate: 0.00%



Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-20 14:27:32

End at: 2018-02-20 14:28:02

# Below is generated by plot.py at 2018-02-20 16:58:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 368.47 Mbit/s

95th percentile per-packet one-way delay: 137.504 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 368.47 Mbit/s

95th percentile per-packet one-way delay: 137.504 ms

Loss rate: 0.00%

Run 10: Report of Vivace-LTE — Data Link

