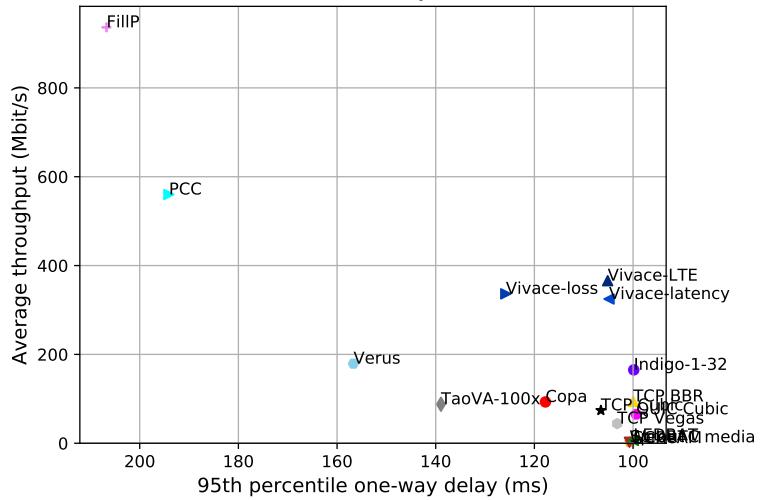


## Pantheon Report

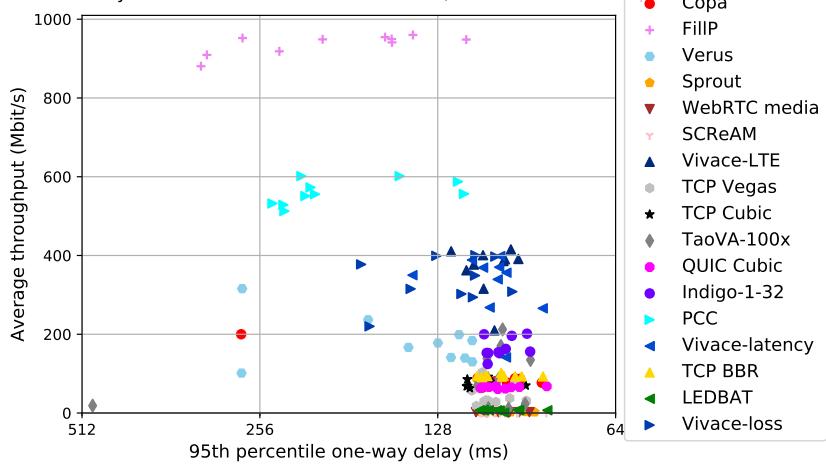
Generated at 2018-02-19 23:23:02 (UTC).  
Data path: GCE Tokyo Ethernet (*remote*) → GCE London Ethernet (*local*).  
Repeated the test of 17 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
Tested 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 @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf  
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 @ f1a14bffe749737437f61b1eaeeb30b267cde681  
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 Tokyo Ethernet to GCE London Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	94.07	99.96	0.74
TCP Cubic	10	73.95	106.52	0.88
LEDBAT	10	6.42	99.94	1.71
PCC	10	559.95	194.08	2.50
QUIC Cubic	9	65.28	99.35	0.98
SCReAM	10	0.22	99.96	0.75
WebRTC media	10	2.14	100.73	0.93
Sprout	10	2.69	100.64	0.97
TaoVA-100x	10	87.73	138.94	0.72
TCP Vegas	10	44.19	103.22	0.74
Verus	10	179.18	156.68	1.14
Copa	10	92.99	117.76	2.77
FillP	10	936.33	206.74	1.27
Indigo-1-32	10	165.16	99.86	0.80
Vivace-latency	10	324.71	104.88	0.93
Vivace-loss	10	336.30	125.79	1.29
Vivace-LTE	10	365.97	105.15	0.96

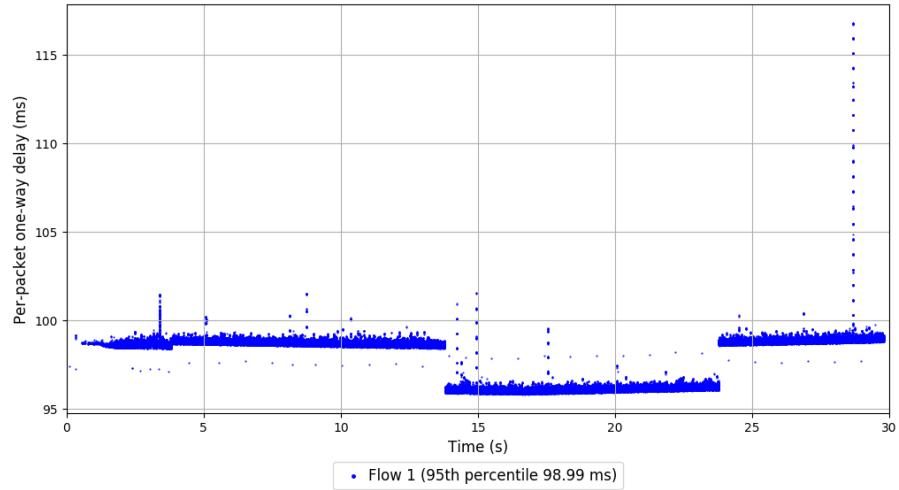
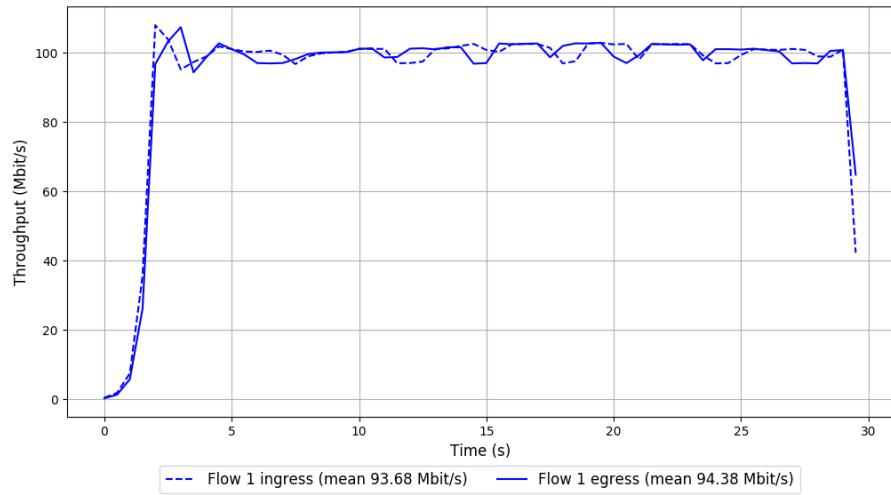
Run 1: Statistics of TCP BBR

Start at: 2018-02-19 17:01:00

End at: 2018-02-19 17:01:30

```
# Below is generated by plot.py at 2018-02-19 22:10:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 98.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 98.991 ms
Loss rate: 0.00%
```

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



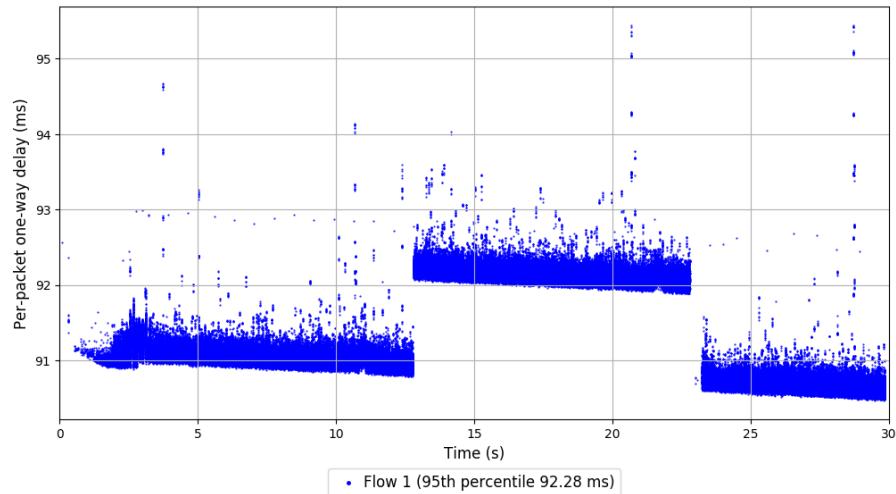
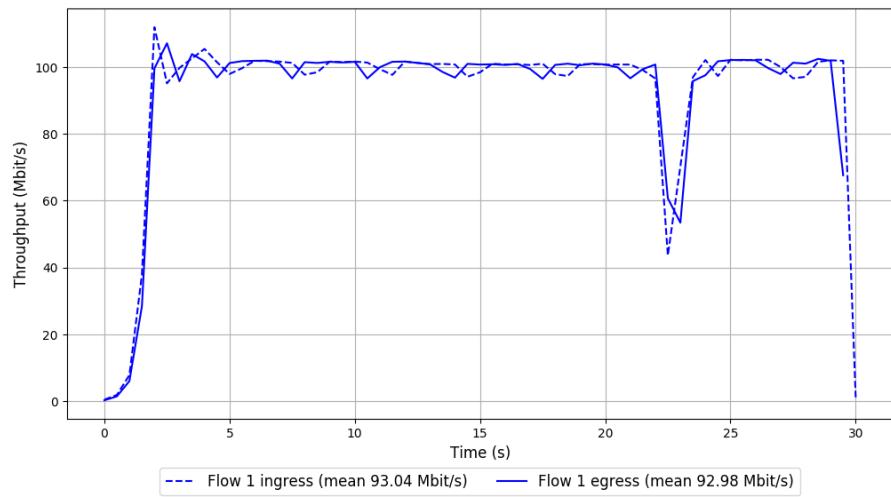
Run 2: Statistics of TCP BBR

Start at: 2018-02-19 17:16:51

End at: 2018-02-19 17:17:21

```
# Below is generated by plot.py at 2018-02-19 22:10:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 92.281 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 92.281 ms
Loss rate: 0.88%
```

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



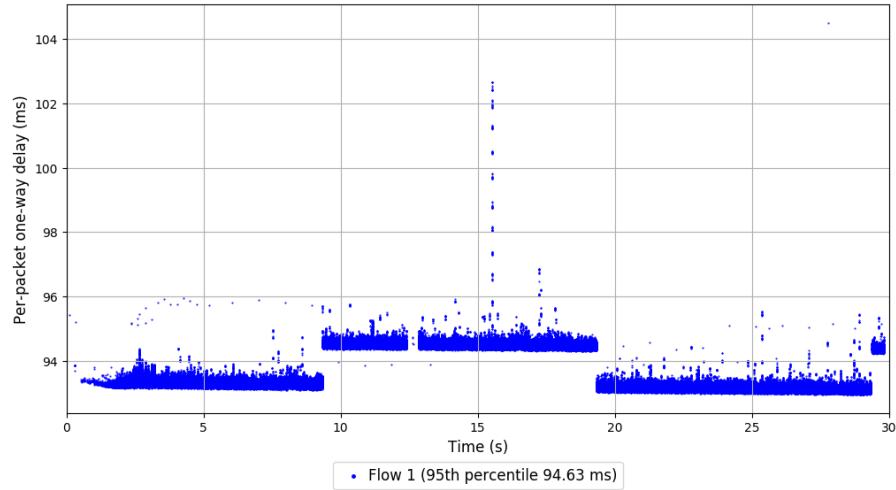
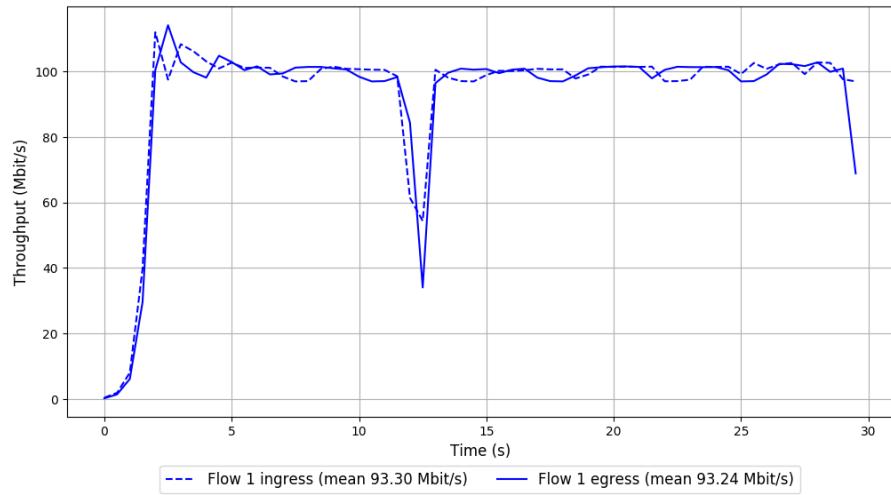
Run 3: Statistics of TCP BBR

Start at: 2018-02-19 17:32:34

End at: 2018-02-19 17:33:04

```
# Below is generated by plot.py at 2018-02-19 22:10:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 94.633 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 94.633 ms
Loss rate: 0.87%
```

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



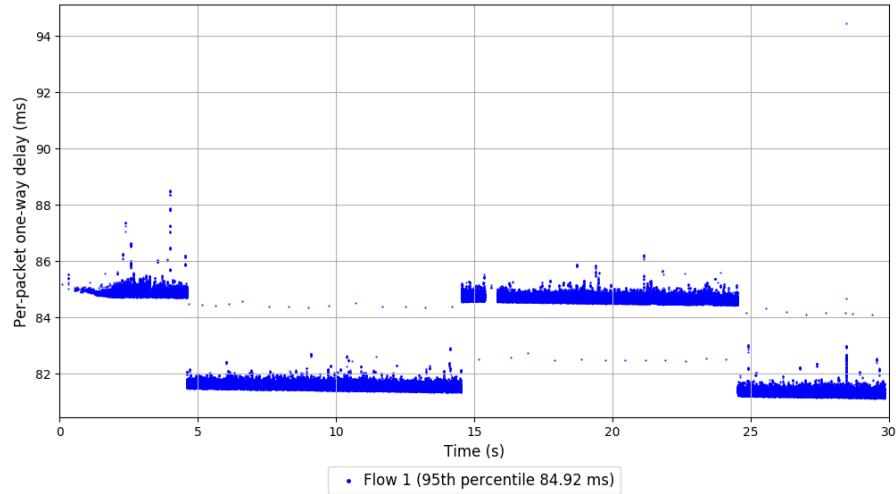
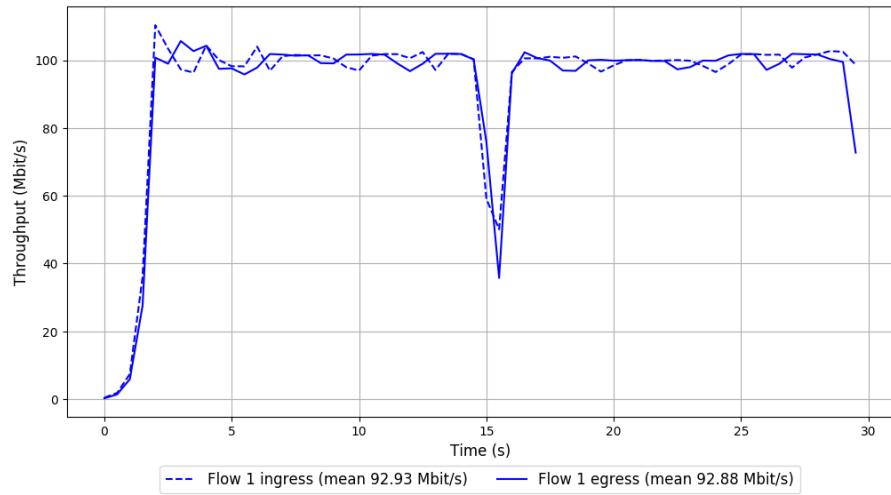
Run 4: Statistics of TCP BBR

Start at: 2018-02-19 17:48:19

End at: 2018-02-19 17:48:49

```
# Below is generated by plot.py at 2018-02-19 22:10:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 84.924 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 84.924 ms
Loss rate: 0.84%
```

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



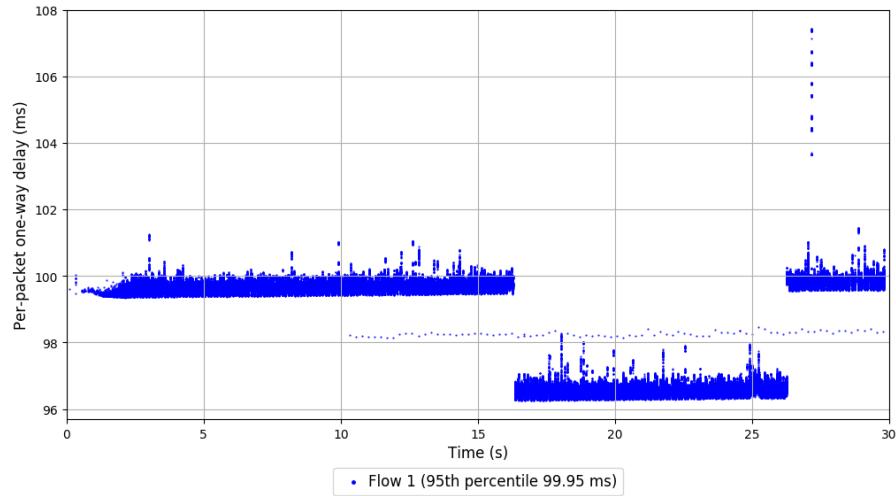
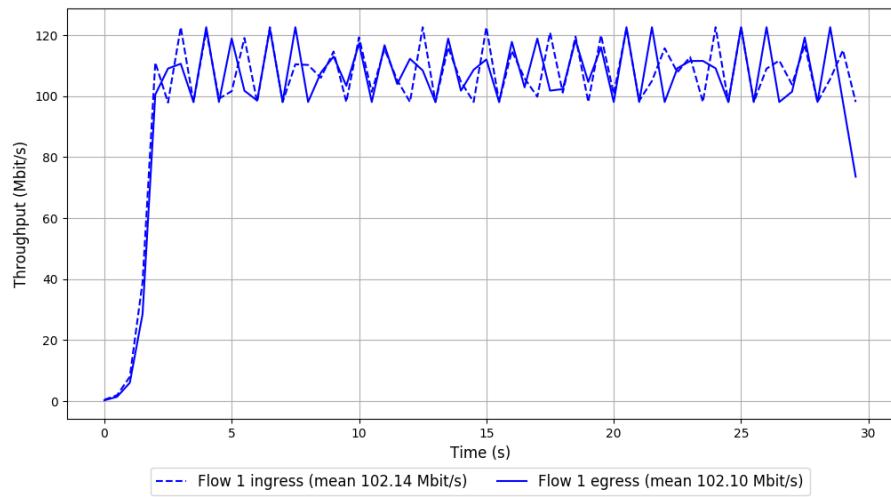
Run 5: Statistics of TCP BBR

Start at: 2018-02-19 18:03:47

End at: 2018-02-19 18:04:17

```
# Below is generated by plot.py at 2018-02-19 22:10:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 102.10 Mbit/s
95th percentile per-packet one-way delay: 99.950 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 102.10 Mbit/s
95th percentile per-packet one-way delay: 99.950 ms
Loss rate: 0.80%
```

Run 5: Report of TCP BBR — Data Link



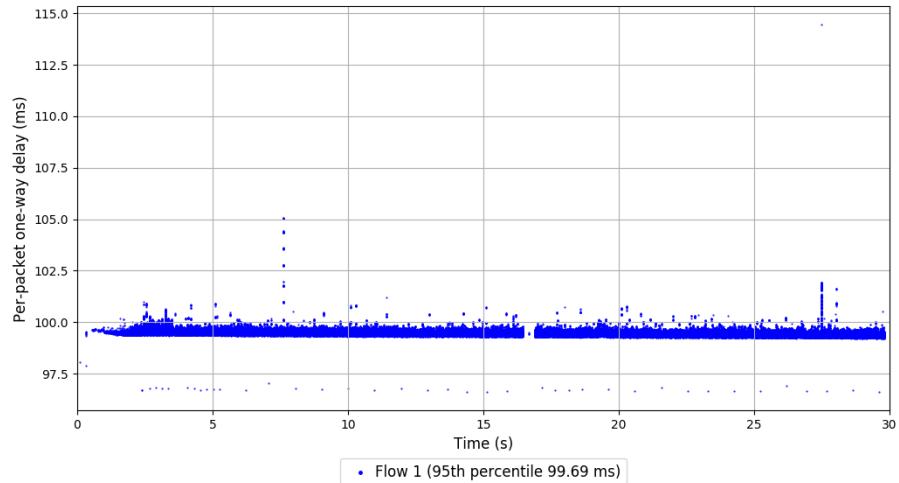
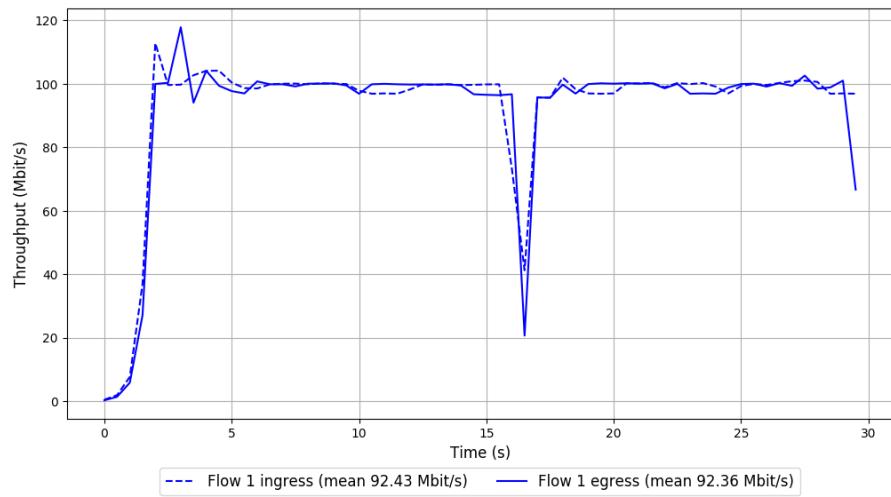
Run 6: Statistics of TCP BBR

Start at: 2018-02-19 18:19:53

End at: 2018-02-19 18:20:23

```
# Below is generated by plot.py at 2018-02-19 22:10:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 99.687 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 99.687 ms
Loss rate: 0.88%
```

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



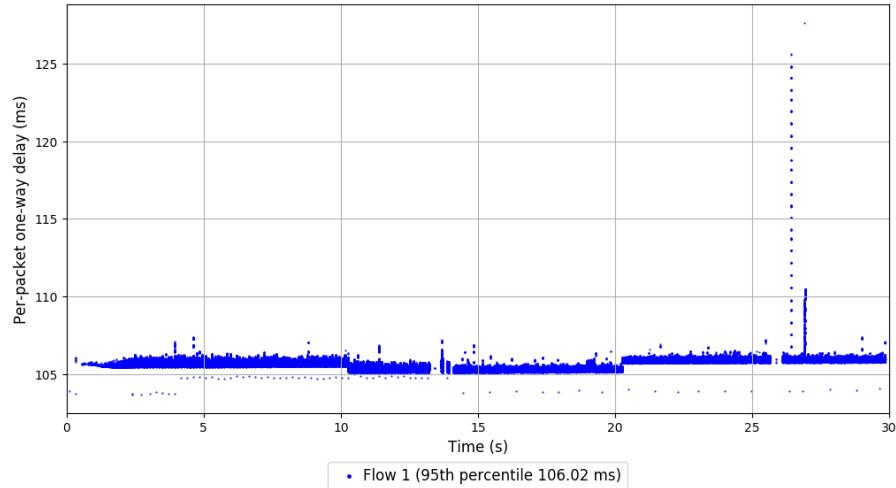
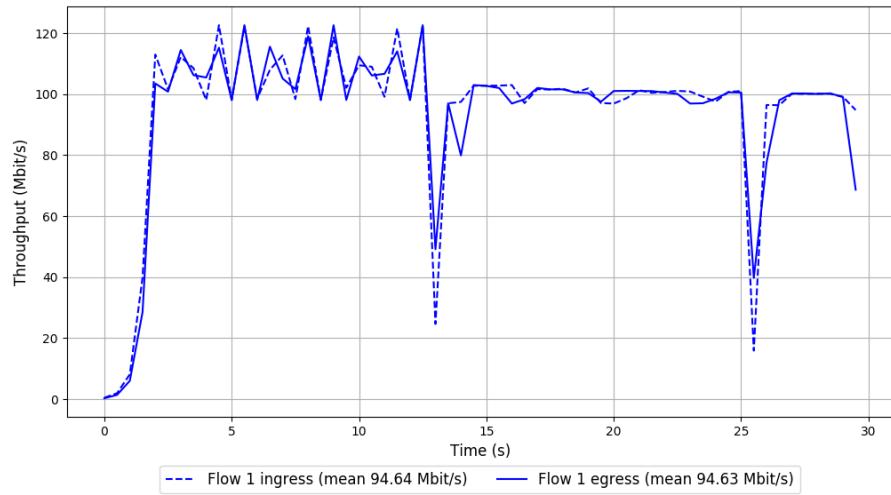
Run 7: Statistics of TCP BBR

Start at: 2018-02-19 18:36:23

End at: 2018-02-19 18:36:53

```
# Below is generated by plot.py at 2018-02-19 22:10:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 106.024 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 106.024 ms
Loss rate: 0.76%
```

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



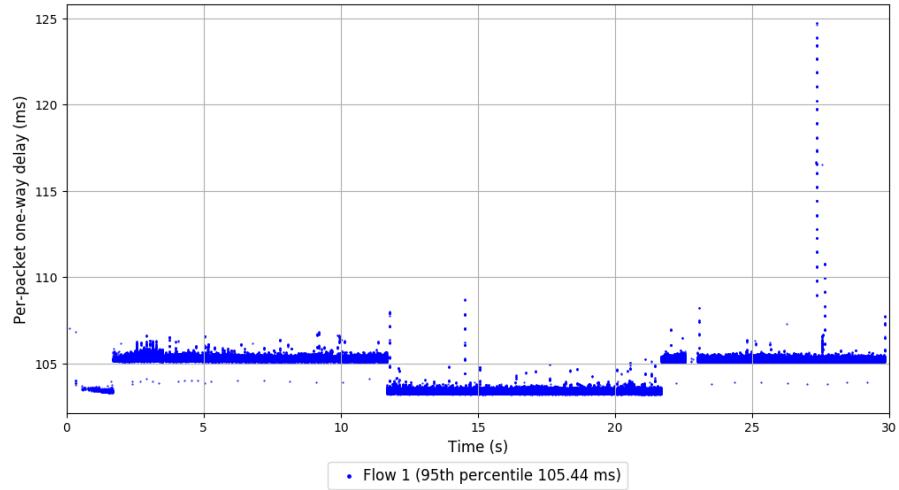
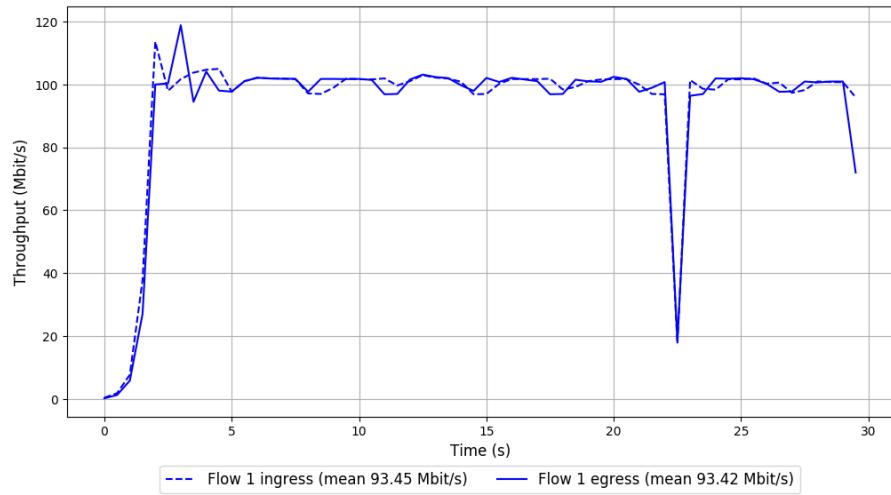
Run 8: Statistics of TCP BBR

Start at: 2018-02-19 18:52:22

End at: 2018-02-19 18:52:52

```
# Below is generated by plot.py at 2018-02-19 22:10:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: 105.442 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: 105.442 ms
Loss rate: 0.79%
```

Run 8: Report of TCP BBR — Data Link



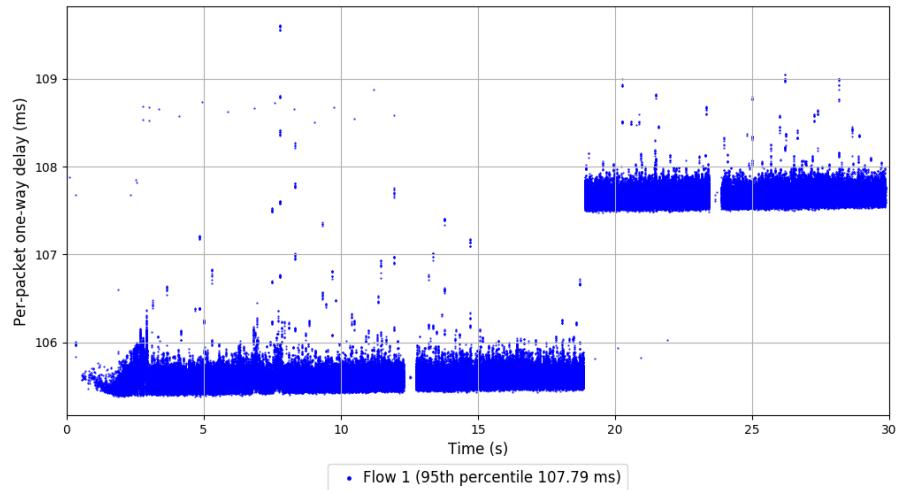
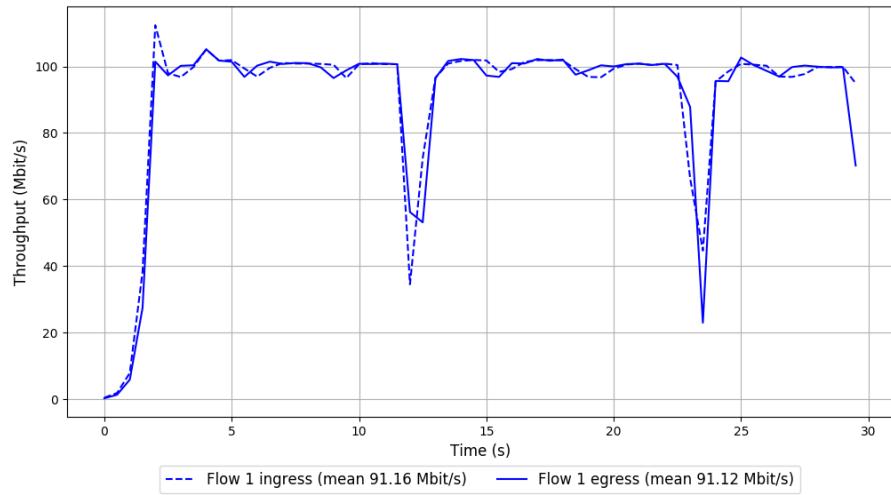
Run 9: Statistics of TCP BBR

Start at: 2018-02-19 19:08:05

End at: 2018-02-19 19:08:35

```
# Below is generated by plot.py at 2018-02-19 22:11:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: 107.786 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: 107.786 ms
Loss rate: 0.80%
```

Run 9: Report of TCP BBR — Data Link



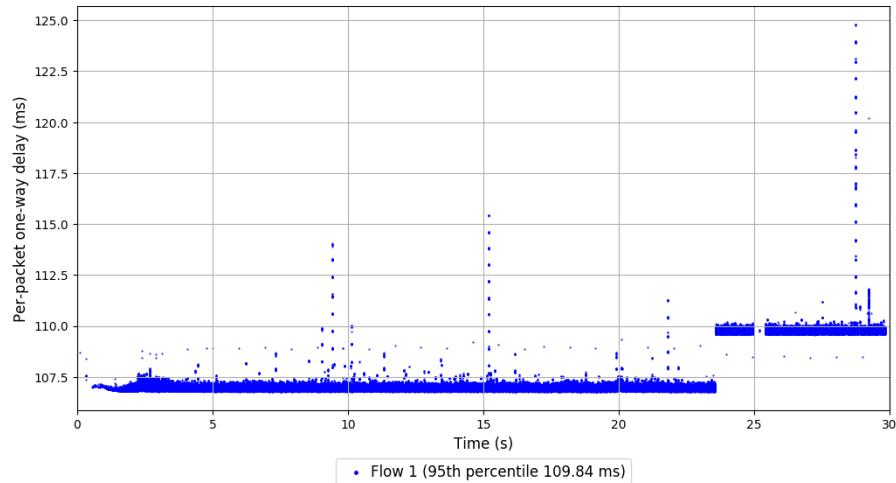
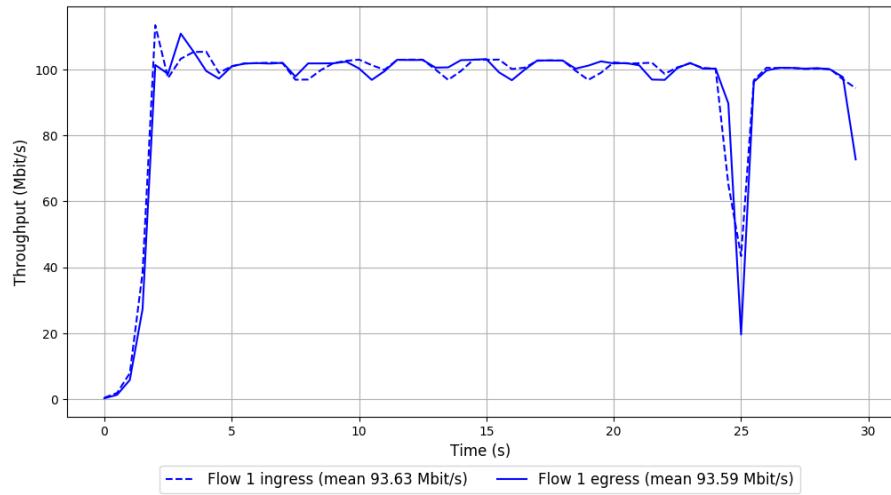
Run 10: Statistics of TCP BBR

Start at: 2018-02-19 19:23:40

End at: 2018-02-19 19:24:10

```
# Below is generated by plot.py at 2018-02-19 22:11:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.59 Mbit/s
95th percentile per-packet one-way delay: 109.845 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 93.59 Mbit/s
95th percentile per-packet one-way delay: 109.845 ms
Loss rate: 0.82%
```

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

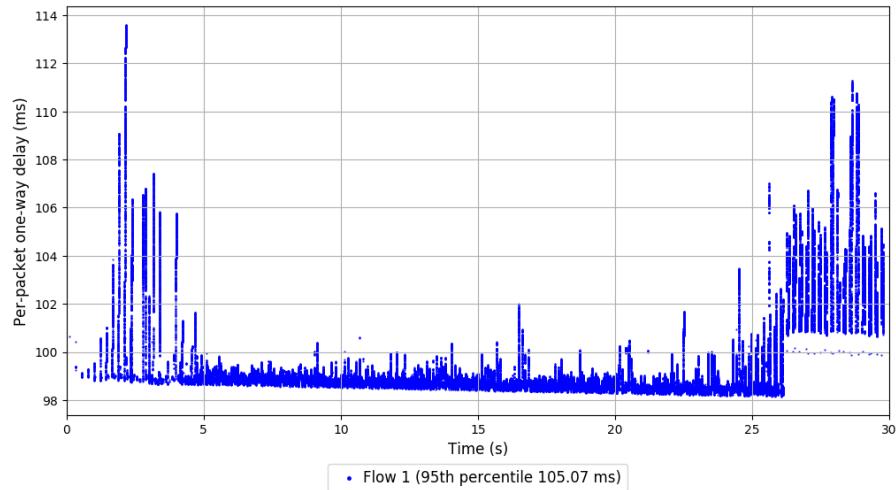
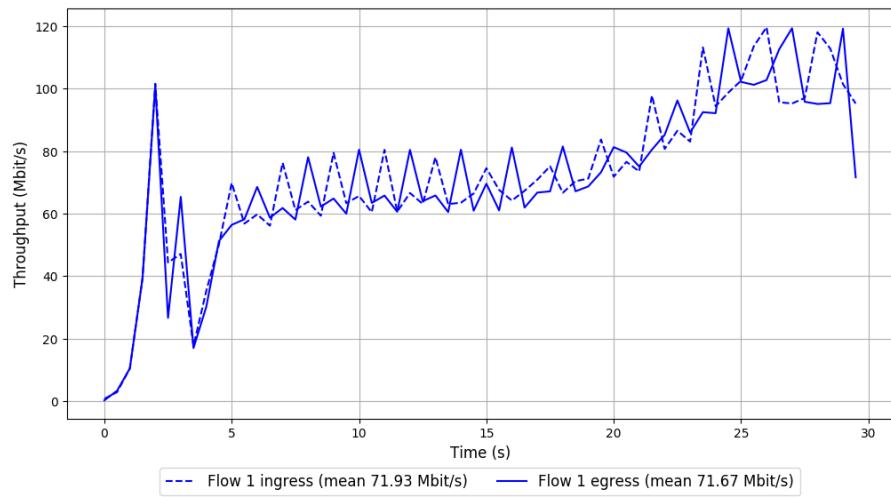


```
Run 1: Statistics of TCP Cubic

Start at: 2018-02-19 16:59:17
End at: 2018-02-19 16:59:47

# Below is generated by plot.py at 2018-02-19 22:11:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.67 Mbit/s
95th percentile per-packet one-way delay: 105.066 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 71.67 Mbit/s
95th percentile per-packet one-way delay: 105.066 ms
Loss rate: 1.11%
```

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



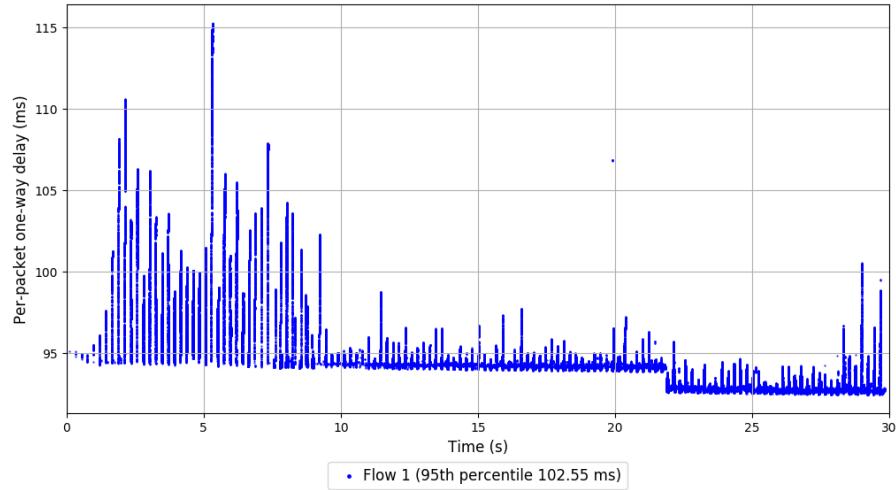
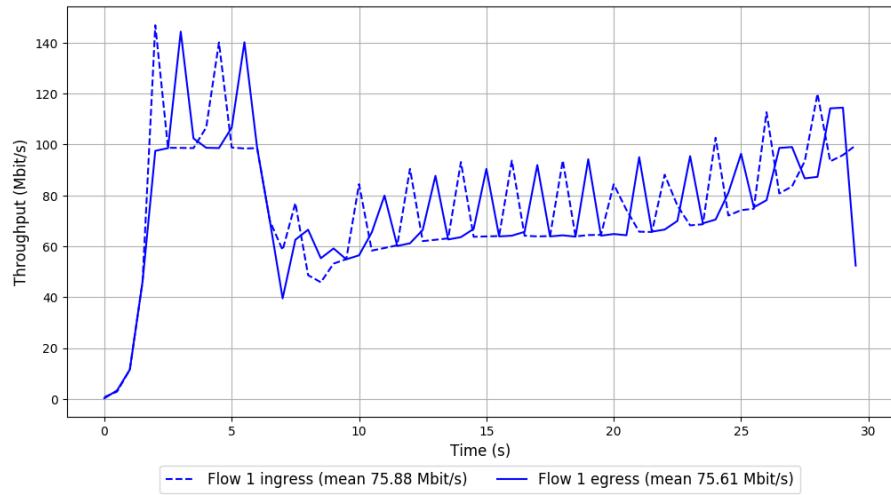
Run 2: Statistics of TCP Cubic

Start at: 2018-02-19 17:15:02

End at: 2018-02-19 17:15:32

```
# Below is generated by plot.py at 2018-02-19 22:11:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.61 Mbit/s
95th percentile per-packet one-way delay: 102.548 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 75.61 Mbit/s
95th percentile per-packet one-way delay: 102.548 ms
Loss rate: 1.10%
```

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



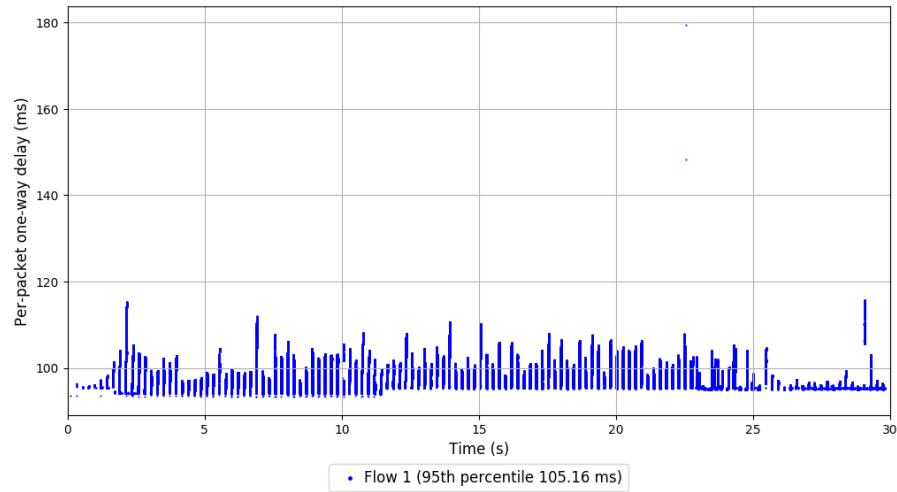
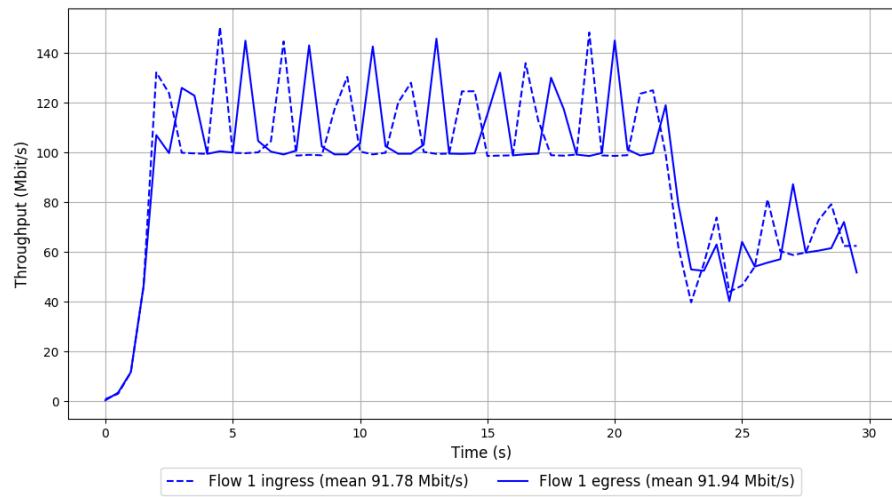
Run 3: Statistics of TCP Cubic

Start at: 2018-02-19 17:30:42

End at: 2018-02-19 17:31:12

```
# Below is generated by plot.py at 2018-02-19 22:11:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: 105.164 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: 105.164 ms
Loss rate: 0.57%
```

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



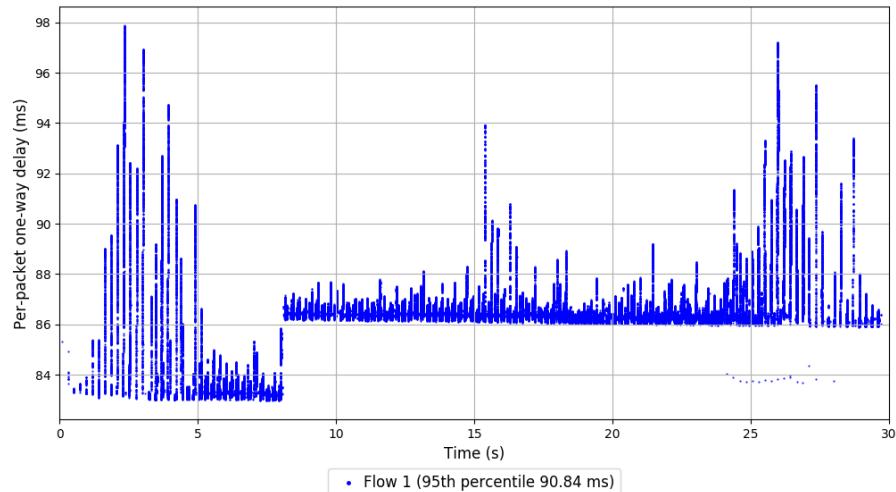
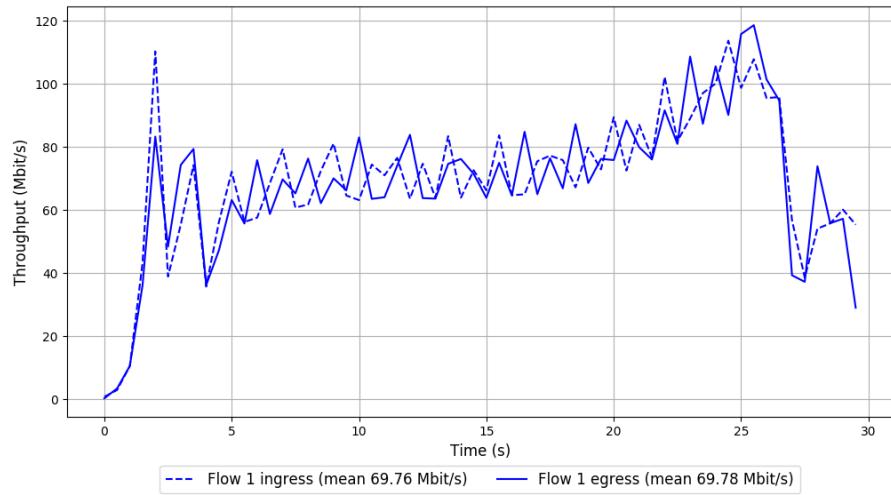
Run 4: Statistics of TCP Cubic

Start at: 2018-02-19 17:46:25

End at: 2018-02-19 17:46:55

```
# Below is generated by plot.py at 2018-02-19 22:11:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.78 Mbit/s
95th percentile per-packet one-way delay: 90.844 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 69.78 Mbit/s
95th percentile per-packet one-way delay: 90.844 ms
Loss rate: 0.70%
```

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



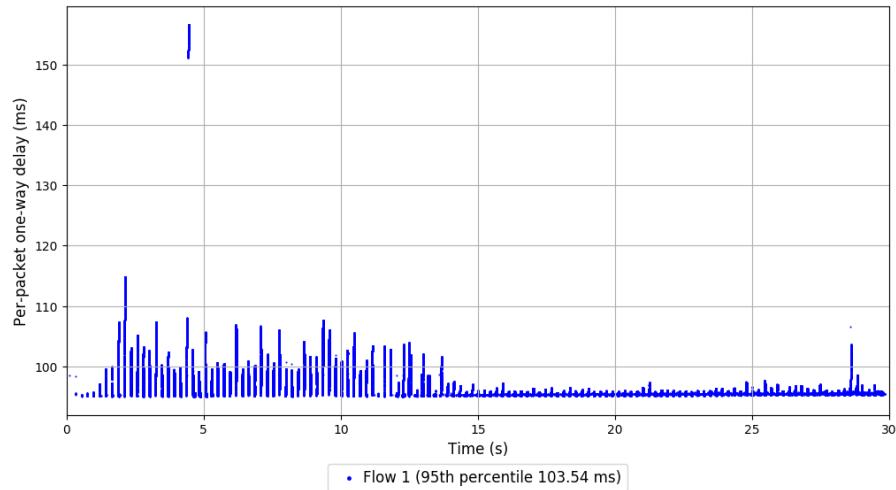
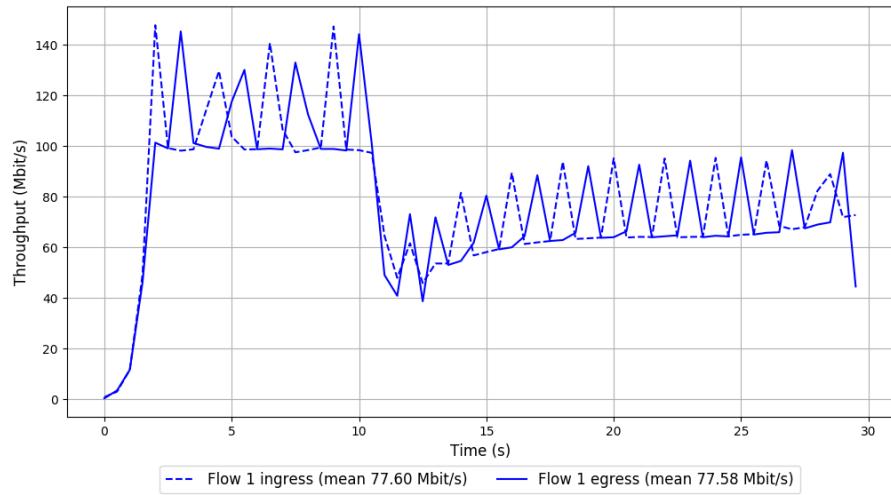
Run 5: Statistics of TCP Cubic

Start at: 2018-02-19 18:01:59

End at: 2018-02-19 18:02:29

```
# Below is generated by plot.py at 2018-02-19 22:11:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.58 Mbit/s
95th percentile per-packet one-way delay: 103.540 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 77.58 Mbit/s
95th percentile per-packet one-way delay: 103.540 ms
Loss rate: 0.78%
```

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



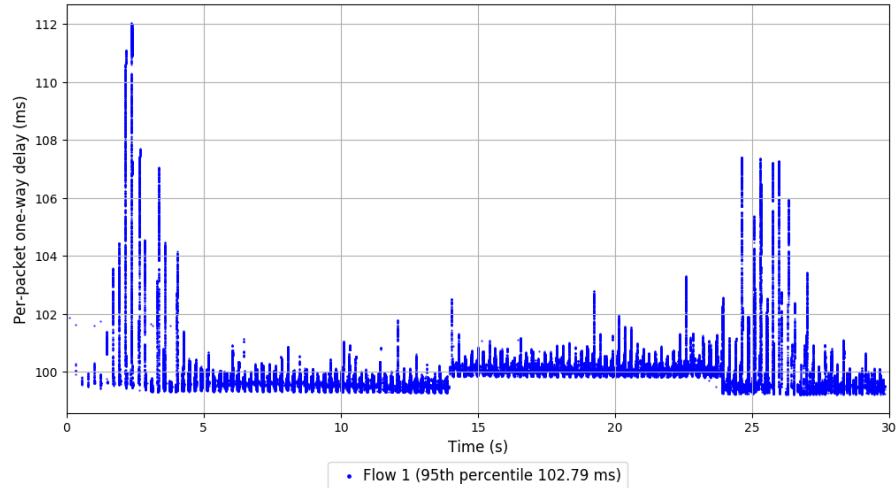
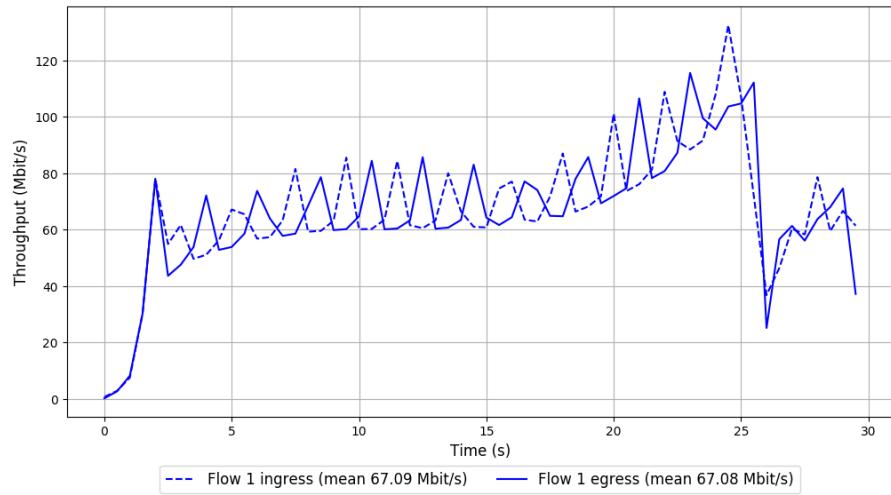
Run 6: Statistics of TCP Cubic

Start at: 2018-02-19 18:17:50

End at: 2018-02-19 18:18:20

```
# Below is generated by plot.py at 2018-02-19 22:11:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.08 Mbit/s
95th percentile per-packet one-way delay: 102.793 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 67.08 Mbit/s
95th percentile per-packet one-way delay: 102.793 ms
Loss rate: 0.76%
```

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



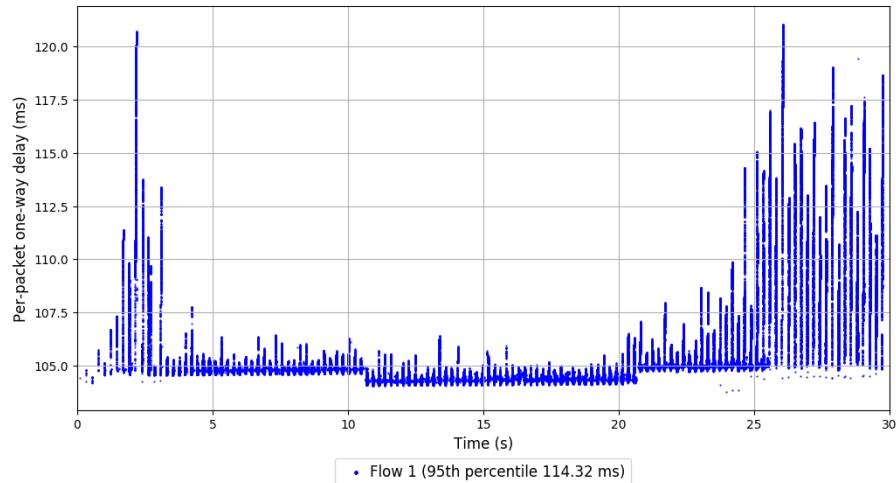
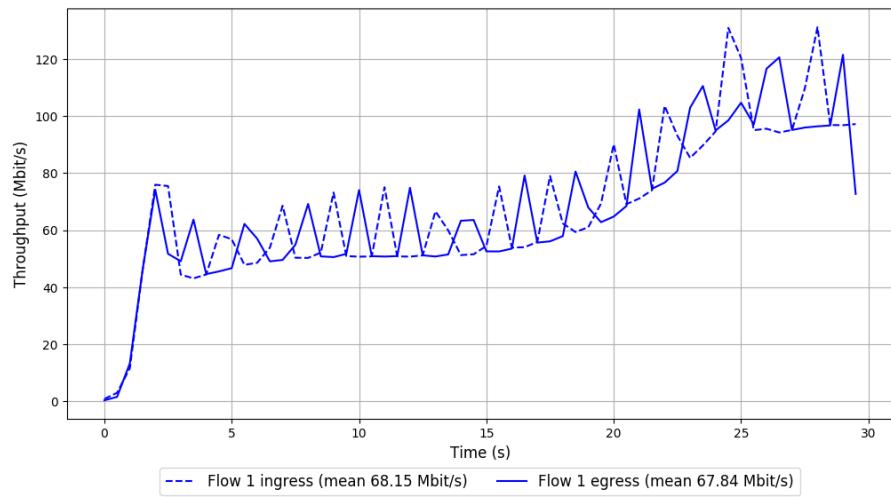
Run 7: Statistics of TCP Cubic

Start at: 2018-02-19 18:34:03

End at: 2018-02-19 18:34:33

```
# Below is generated by plot.py at 2018-02-19 22:12:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.84 Mbit/s
95th percentile per-packet one-way delay: 114.321 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 67.84 Mbit/s
95th percentile per-packet one-way delay: 114.321 ms
Loss rate: 1.19%
```

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



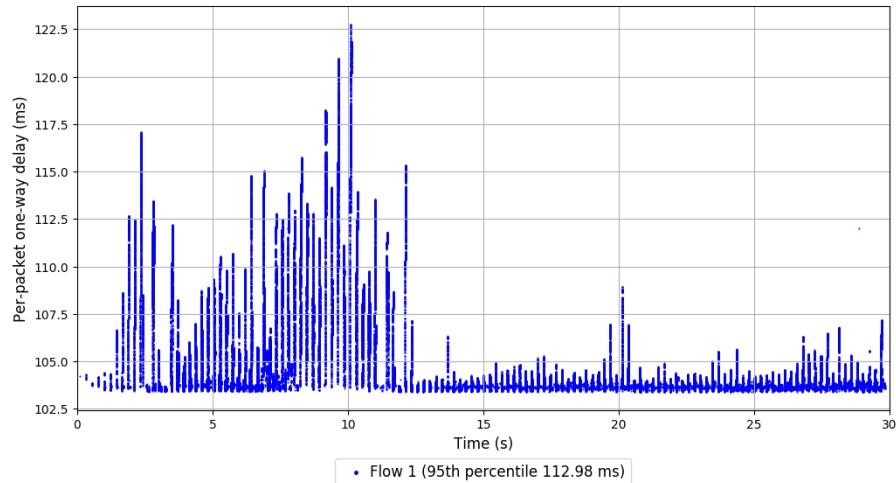
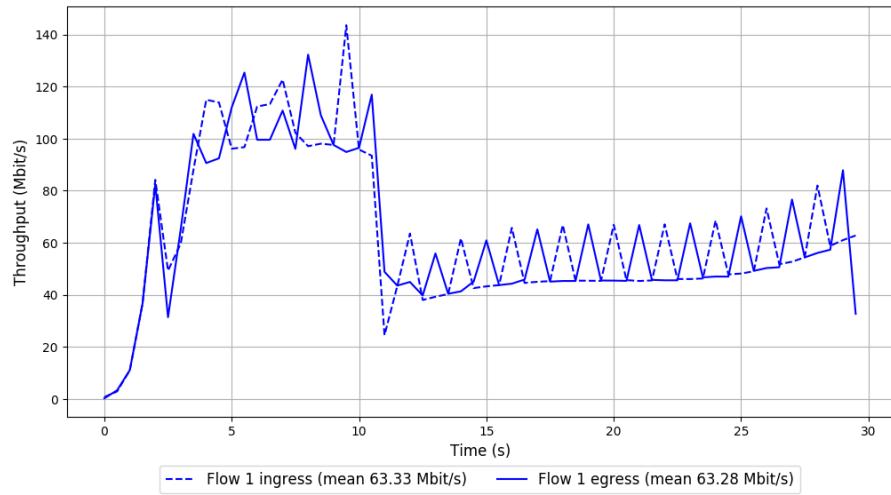
Run 8: Statistics of TCP Cubic

Start at: 2018-02-19 18:50:33

End at: 2018-02-19 18:51:03

```
# Below is generated by plot.py at 2018-02-19 22:12:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.28 Mbit/s
95th percentile per-packet one-way delay: 112.978 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 63.28 Mbit/s
95th percentile per-packet one-way delay: 112.978 ms
Loss rate: 0.83%
```

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



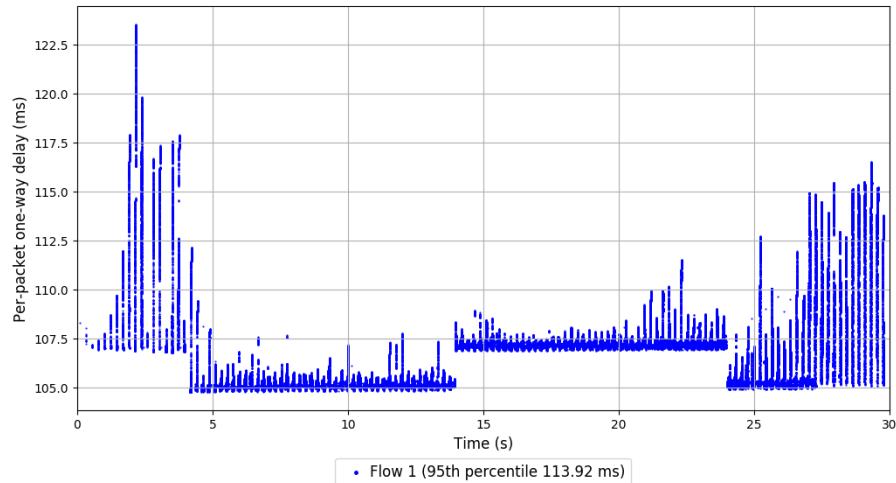
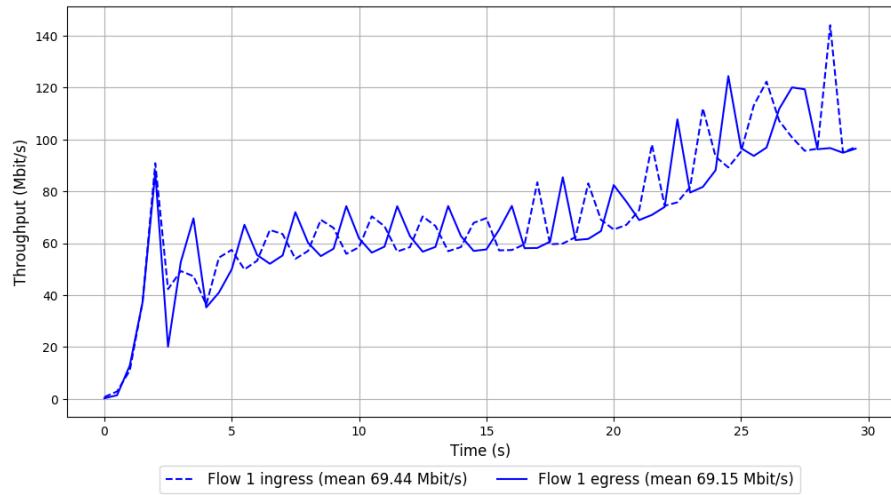
Run 9: Statistics of TCP Cubic

Start at: 2018-02-19 19:06:10

End at: 2018-02-19 19:06:40

```
# Below is generated by plot.py at 2018-02-19 22:12:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.15 Mbit/s
95th percentile per-packet one-way delay: 113.916 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 69.15 Mbit/s
95th percentile per-packet one-way delay: 113.916 ms
Loss rate: 1.16%
```

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



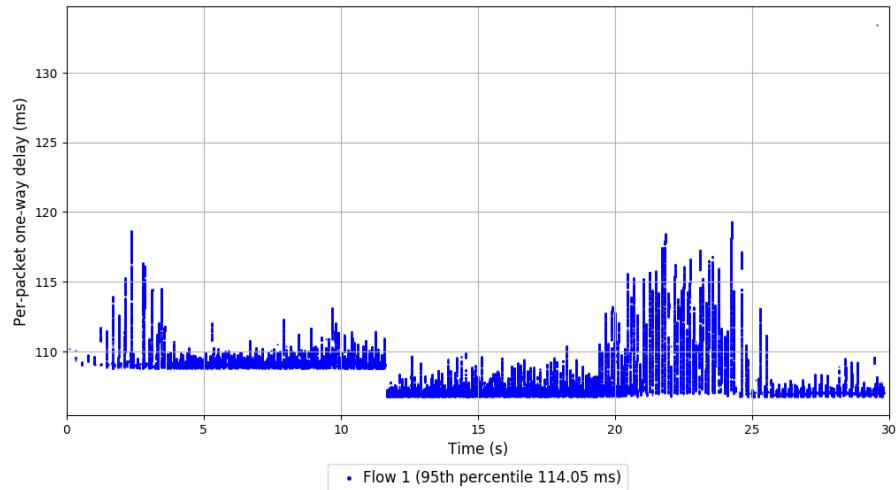
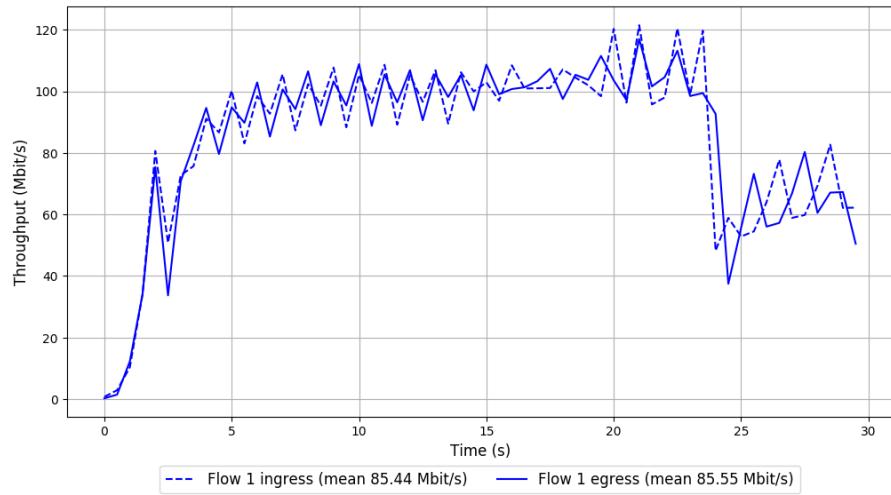
Run 10: Statistics of TCP Cubic

Start at: 2018-02-19 19:21:52

End at: 2018-02-19 19:22:22

```
# Below is generated by plot.py at 2018-02-19 22:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.55 Mbit/s
95th percentile per-packet one-way delay: 114.049 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 85.55 Mbit/s
95th percentile per-packet one-way delay: 114.049 ms
Loss rate: 0.61%
```

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

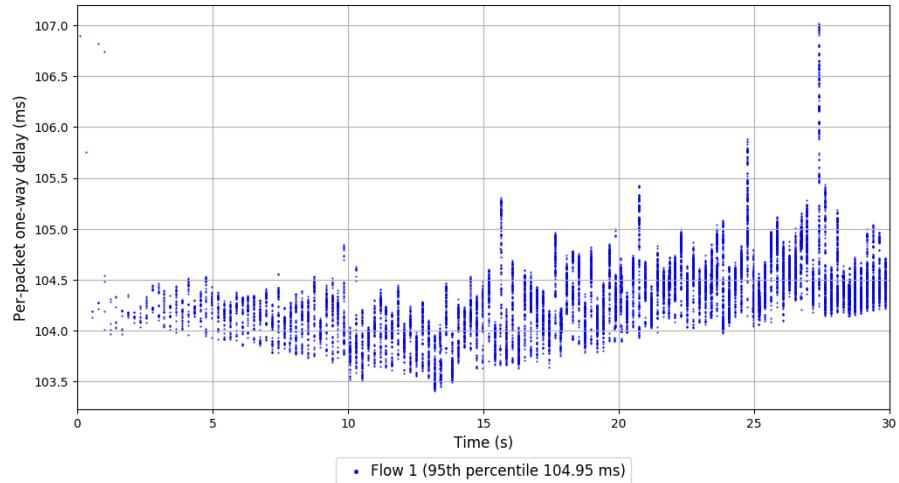
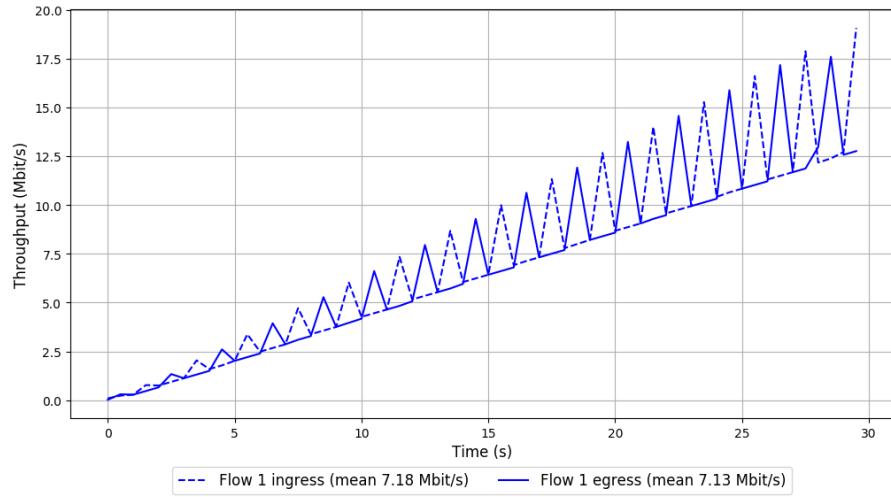


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-19 16:48:14
End at: 2018-02-19 16:48:44

# Below is generated by plot.py at 2018-02-19 22:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 104.948 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 104.948 ms
Loss rate: 1.50%
```

## Run 1: Report of LEDBAT — Data Link



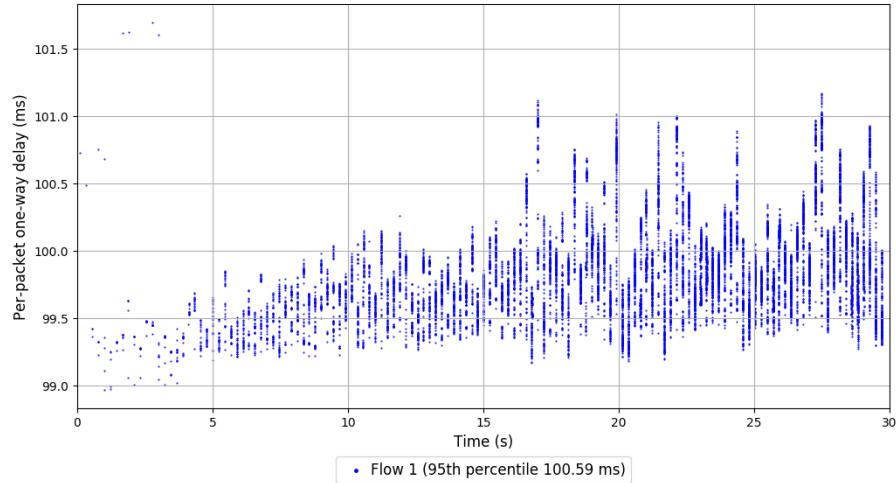
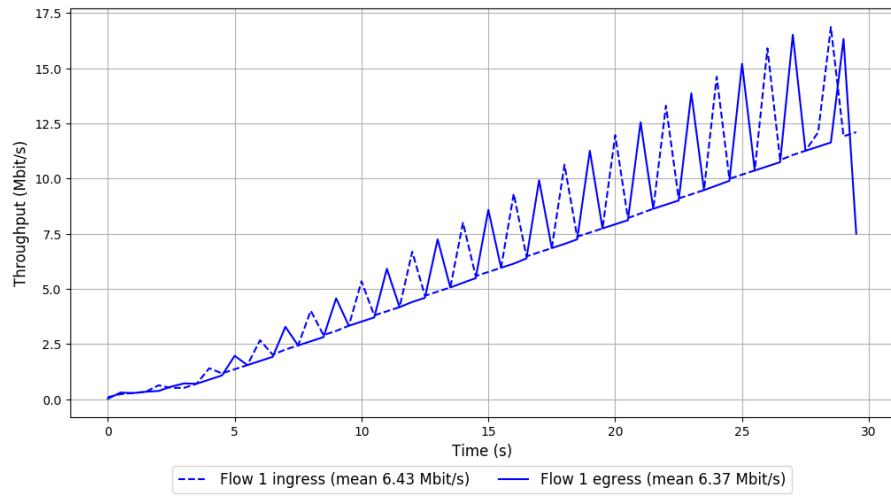
Run 2: Statistics of LEDBAT

Start at: 2018-02-19 17:03:32

End at: 2018-02-19 17:04:02

```
# Below is generated by plot.py at 2018-02-19 22:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 100.588 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 100.588 ms
Loss rate: 1.58%
```

## Run 2: Report of LEDBAT — Data Link



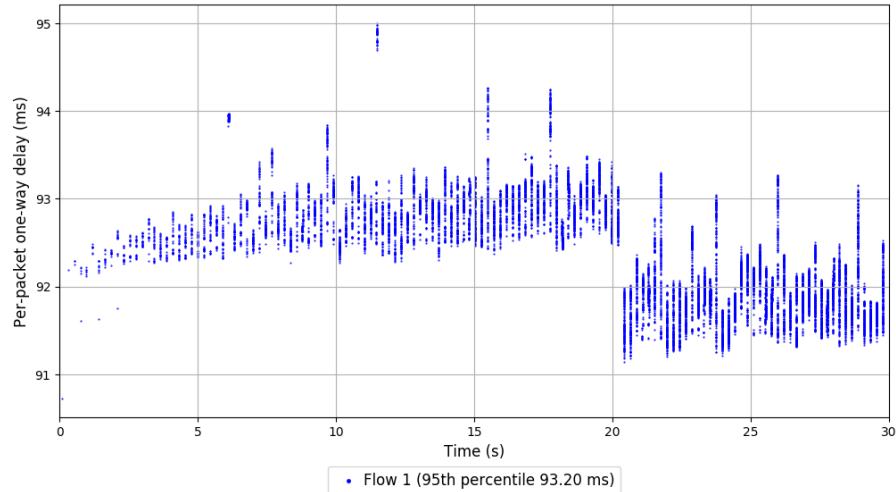
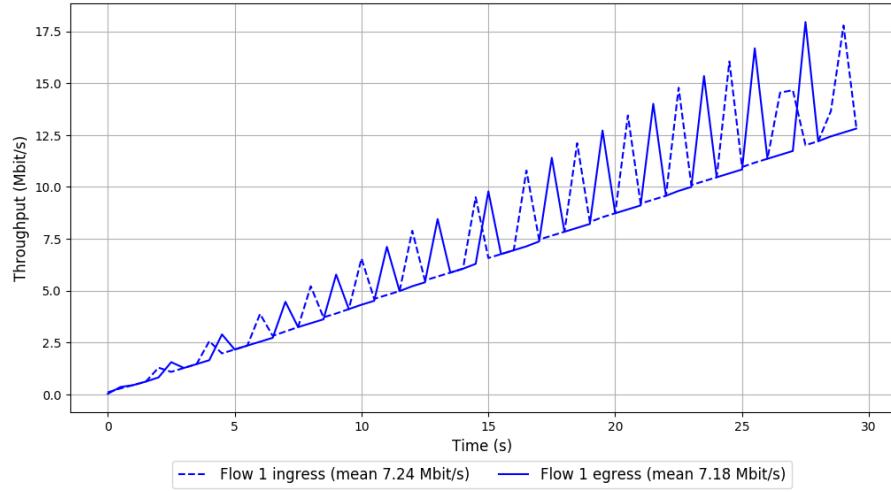
Run 3: Statistics of LEDBAT

Start at: 2018-02-19 17:19:23

End at: 2018-02-19 17:19:53

```
# Below is generated by plot.py at 2018-02-19 22:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 93.201 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 93.201 ms
Loss rate: 1.50%
```

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



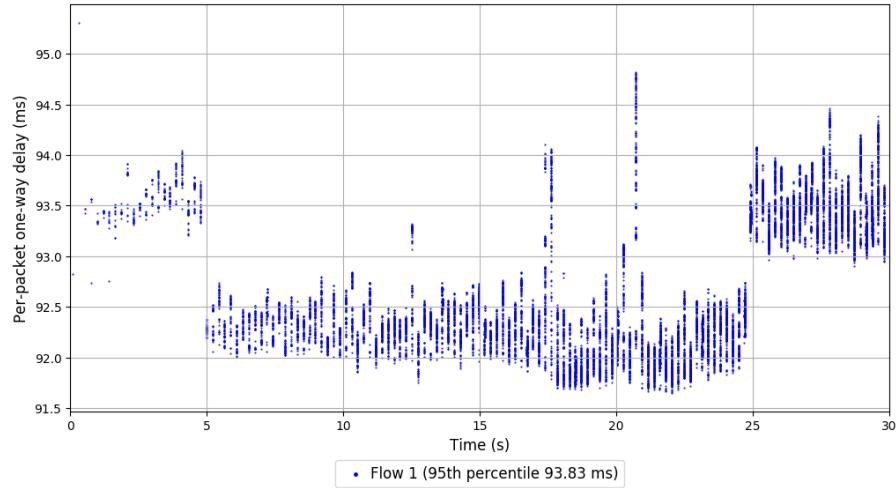
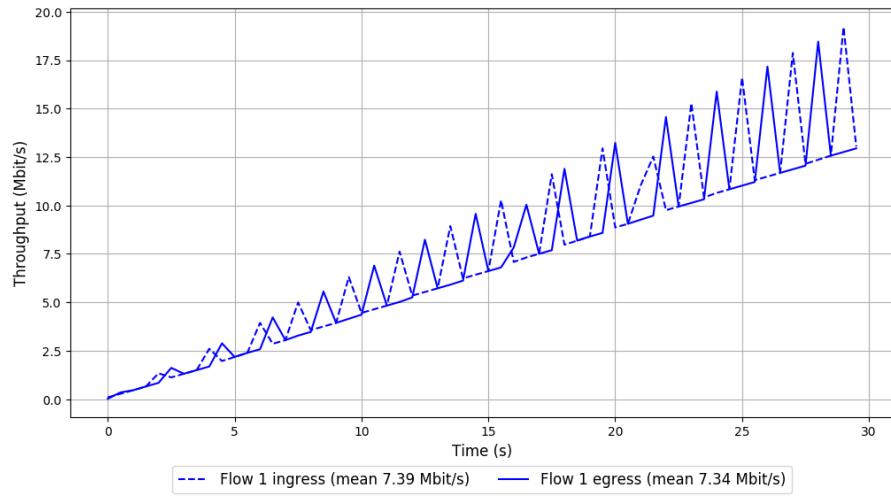
```
Run 4: Statistics of LEDBAT
```

```
Start at: 2018-02-19 17:35:09
```

```
End at: 2018-02-19 17:35:39
```

```
# Below is generated by plot.py at 2018-02-19 22:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 93.827 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 93.827 ms
Loss rate: 1.48%
```

## Run 4: Report of LEDBAT — Data Link



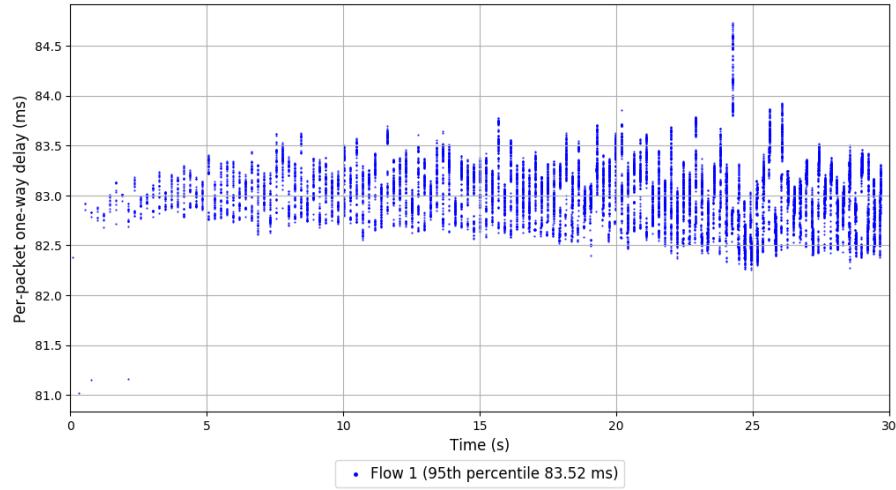
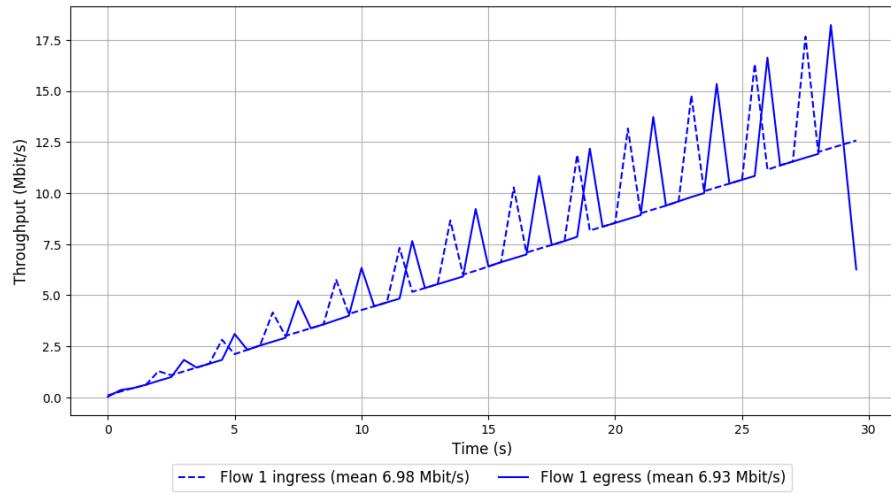
Run 5: Statistics of LEDBAT

Start at: 2018-02-19 17:50:53

End at: 2018-02-19 17:51:23

```
# Below is generated by plot.py at 2018-02-19 22:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 83.520 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 83.520 ms
Loss rate: 1.52%
```

Run 5: Report of LEDBAT — Data Link



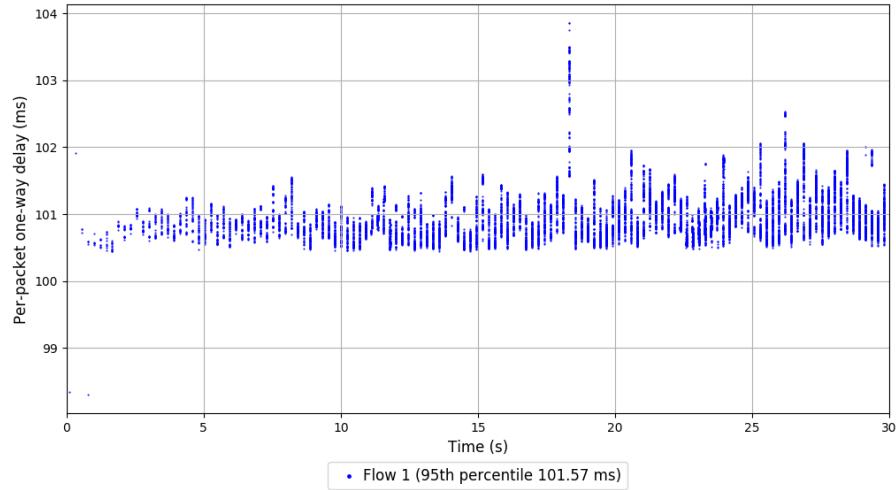
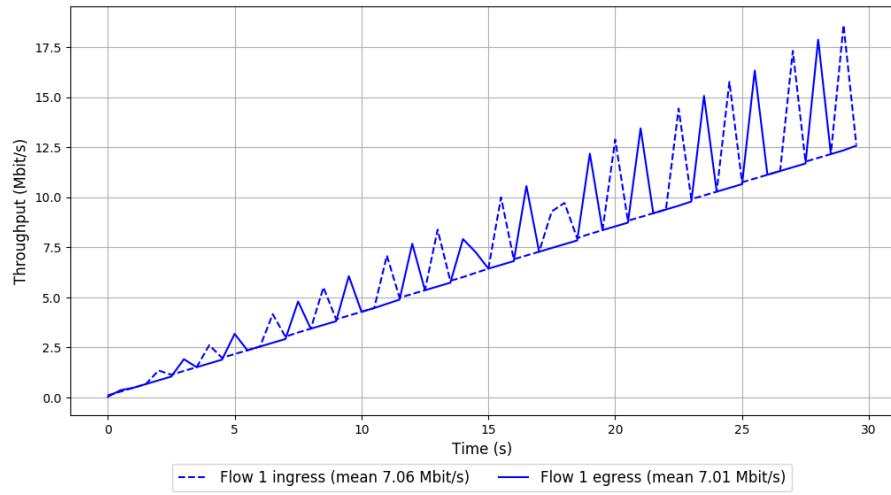
Run 6: Statistics of LEDBAT

Start at: 2018-02-19 18:06:22

End at: 2018-02-19 18:06:52

```
# Below is generated by plot.py at 2018-02-19 22:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 101.572 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 101.572 ms
Loss rate: 1.50%
```

## Run 6: Report of LEDBAT — Data Link



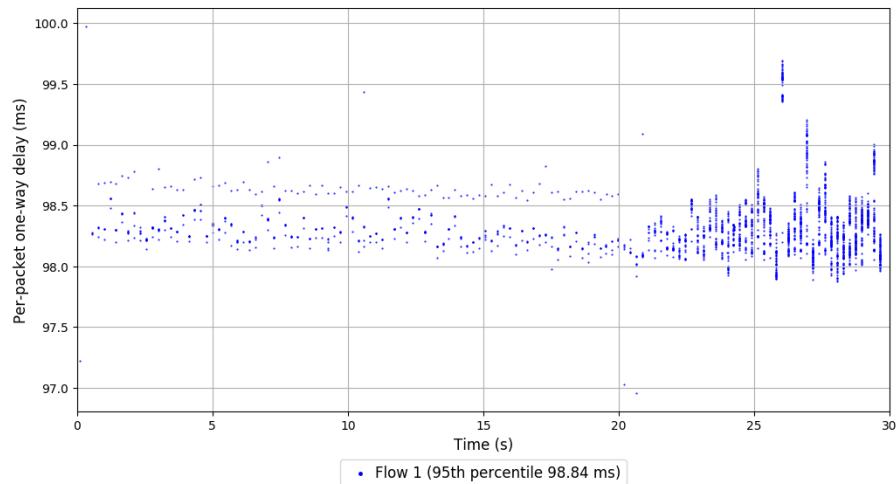
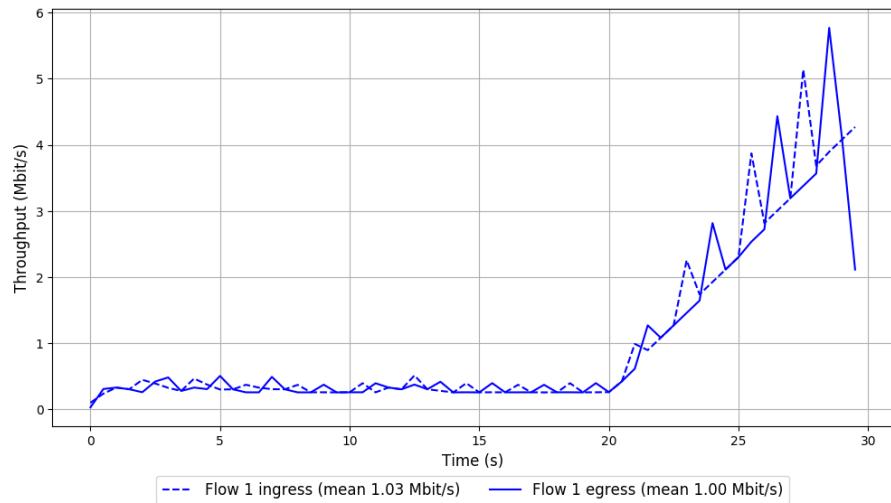
Run 7: Statistics of LEDBAT

Start at: 2018-02-19 18:22:33

End at: 2018-02-19 18:23:03

```
# Below is generated by plot.py at 2018-02-19 22:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 98.842 ms
Loss rate: 3.52%
-- Flow 1:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 98.842 ms
Loss rate: 3.52%
```

## Run 7: Report of LEDBAT — Data Link



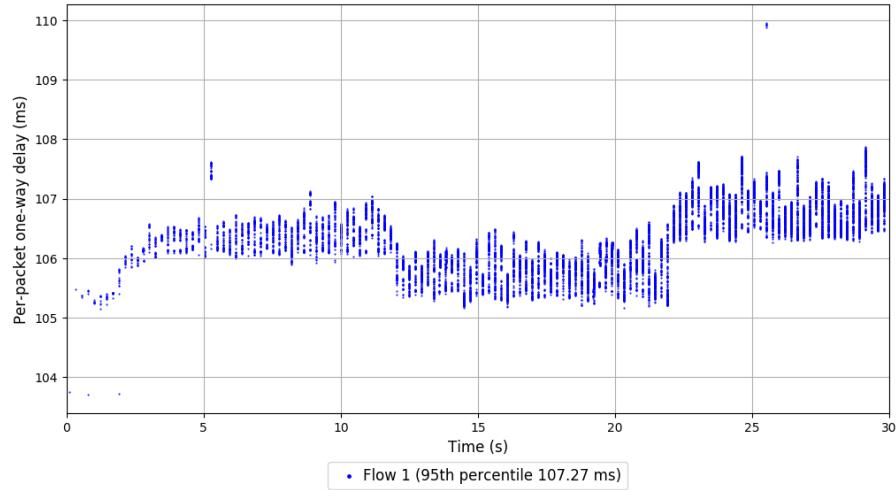
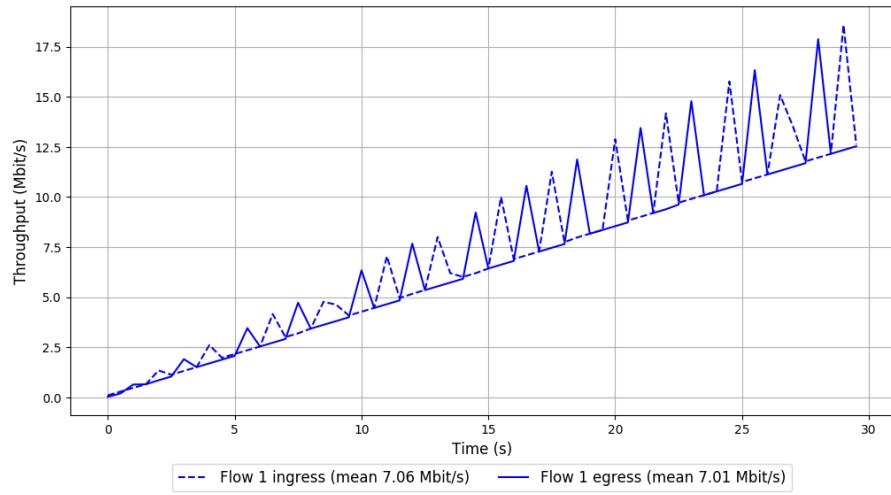
Run 8: Statistics of LEDBAT

Start at: 2018-02-19 18:39:12

End at: 2018-02-19 18:39:42

```
# Below is generated by plot.py at 2018-02-19 22:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 107.265 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 107.265 ms
Loss rate: 1.50%
```

Run 8: Report of LEDBAT — Data Link



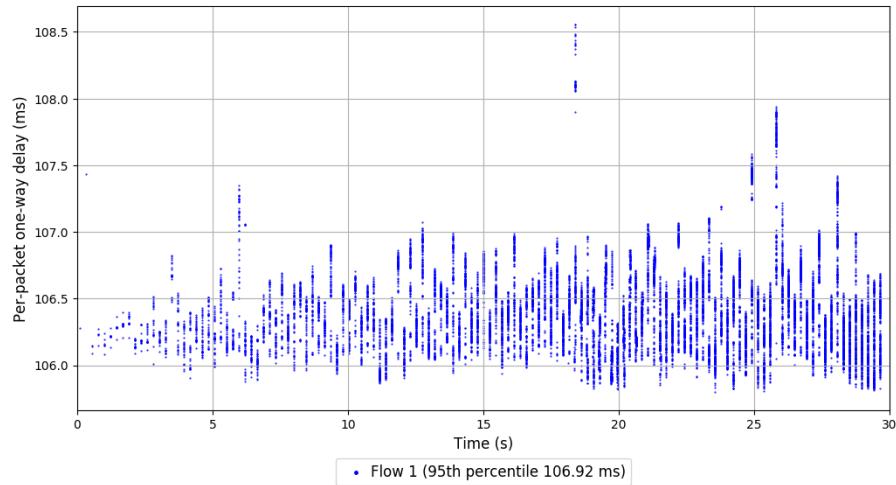
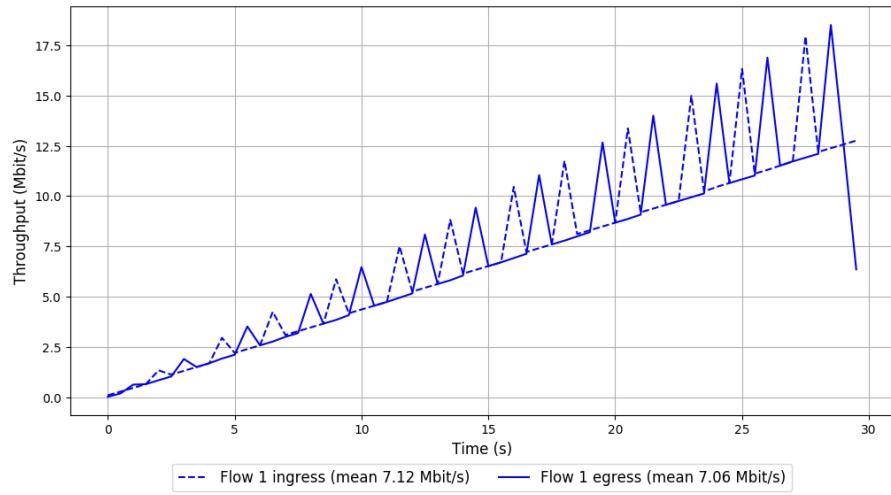
```
Run 9: Statistics of LEDBAT
```

```
Start at: 2018-02-19 18:54:57
```

```
End at: 2018-02-19 18:55:27
```

```
# Below is generated by plot.py at 2018-02-19 22:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 106.915 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 106.915 ms
Loss rate: 1.51%
```

## Run 9: Report of LEDBAT — Data Link



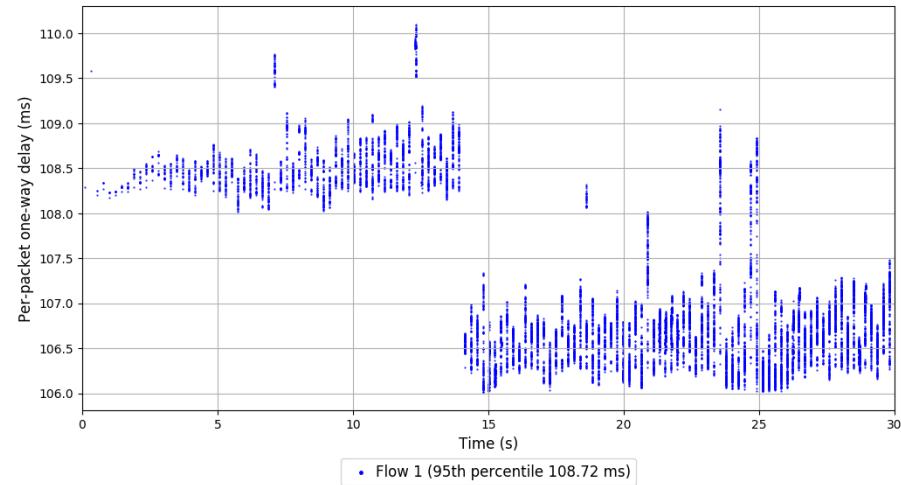
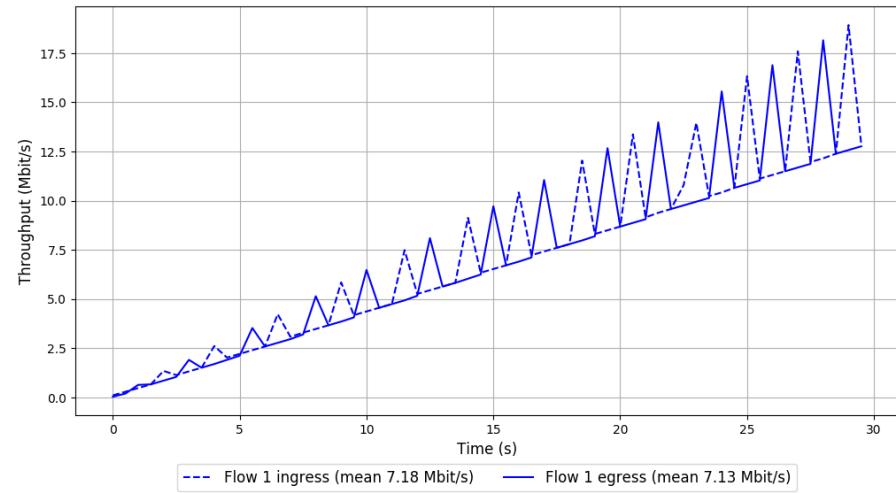
Run 10: Statistics of LEDBAT

Start at: 2018-02-19 19:10:40

End at: 2018-02-19 19:11:10

```
# Below is generated by plot.py at 2018-02-19 22:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 108.720 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 108.720 ms
Loss rate: 1.50%
```

## Run 10: Report of LEDBAT — Data Link

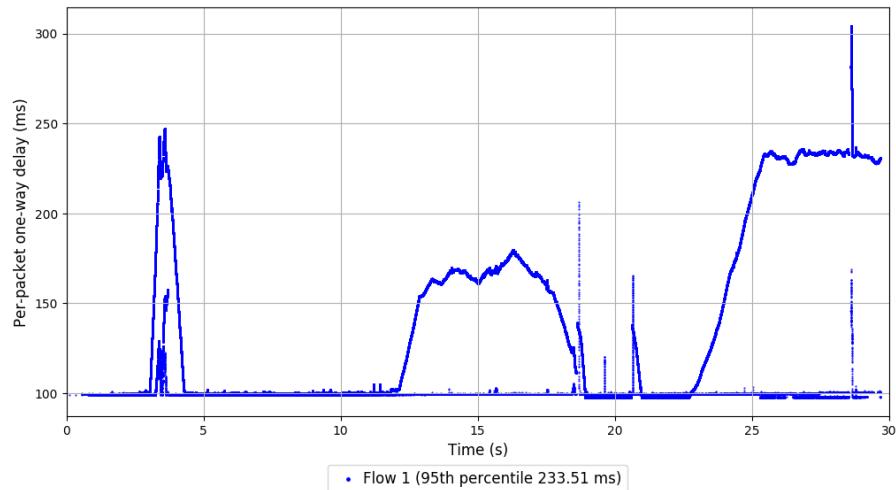
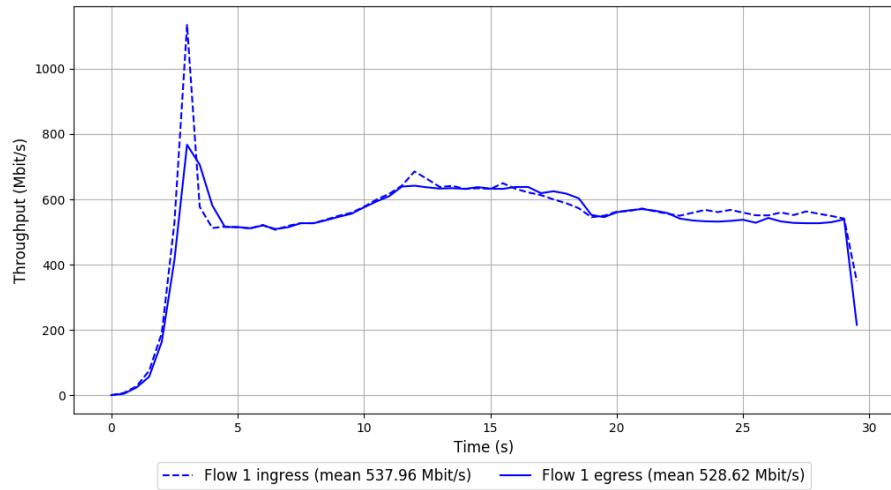


```
Run 1: Statistics of PCC

Start at: 2018-02-19 17:01:46
End at: 2018-02-19 17:02:16

# Below is generated by plot.py at 2018-02-19 22:20:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 528.62 Mbit/s
95th percentile per-packet one-way delay: 233.509 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 528.62 Mbit/s
95th percentile per-packet one-way delay: 233.509 ms
Loss rate: 2.47%
```

## Run 1: Report of PCC — Data Link



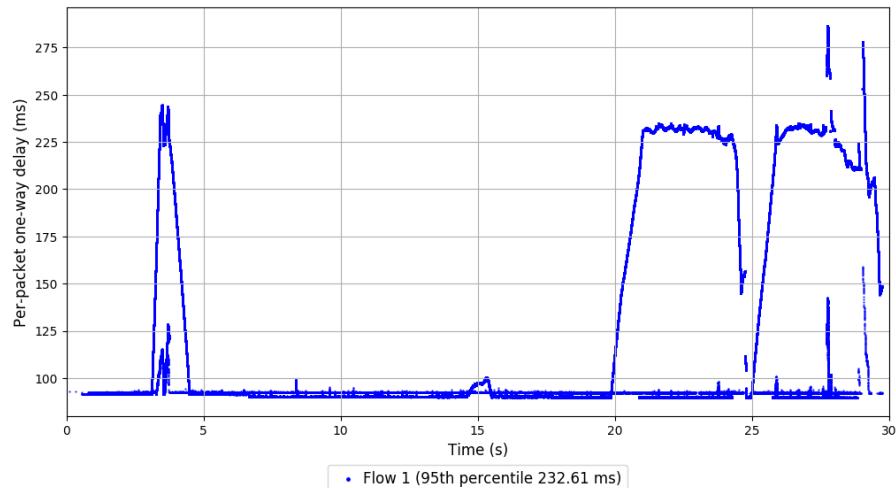
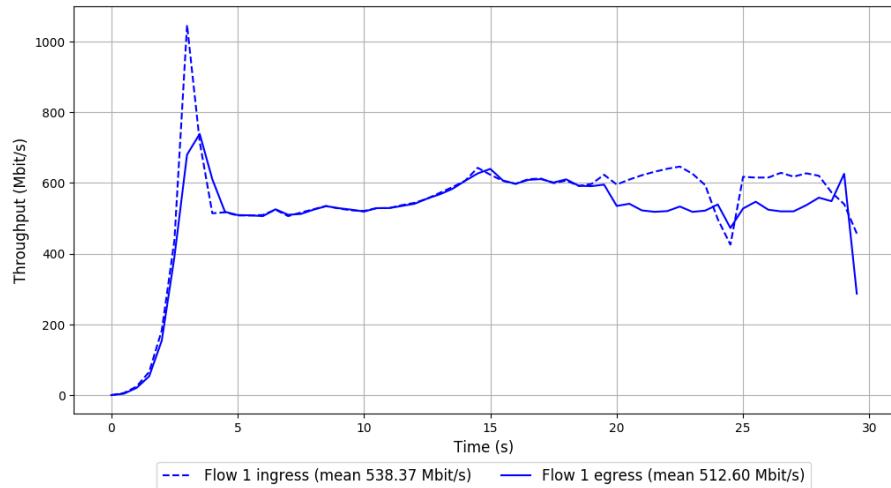
Run 2: Statistics of PCC

Start at: 2018-02-19 17:17:37

End at: 2018-02-19 17:18:07

```
# Below is generated by plot.py at 2018-02-19 22:20:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 512.60 Mbit/s
95th percentile per-packet one-way delay: 232.614 ms
Loss rate: 5.50%
-- Flow 1:
Average throughput: 512.60 Mbit/s
95th percentile per-packet one-way delay: 232.614 ms
Loss rate: 5.50%
```

## Run 2: Report of PCC — Data Link



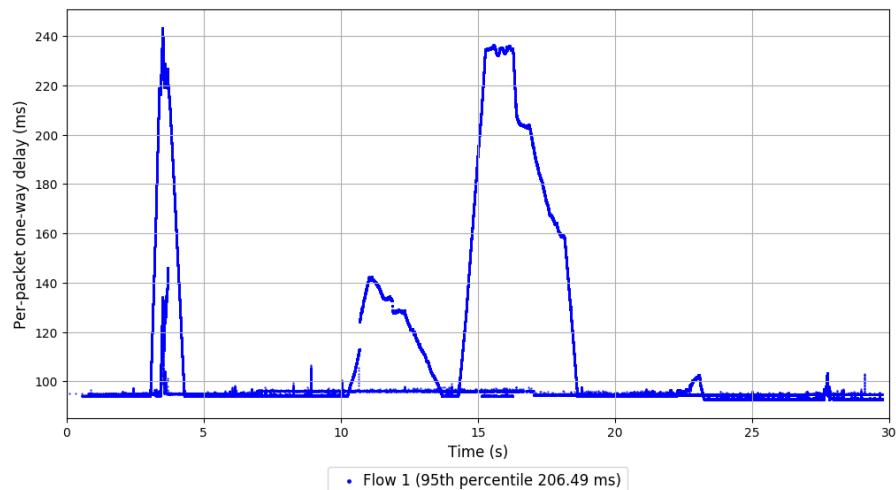
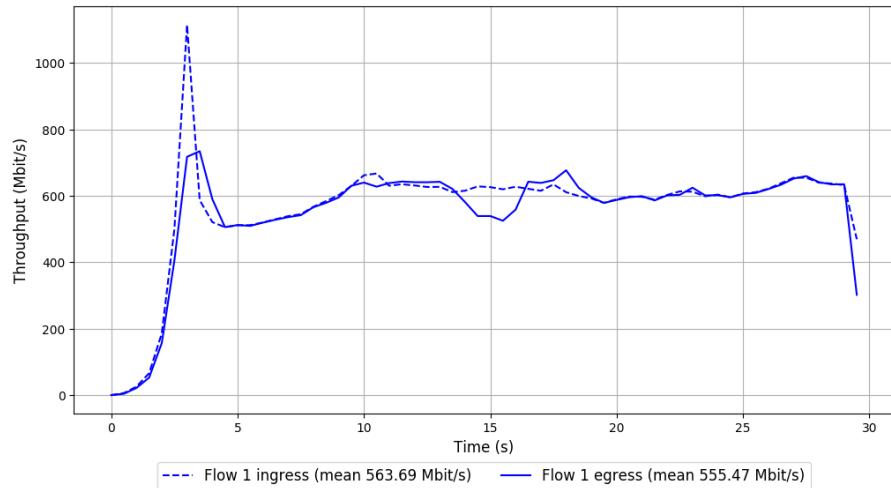
Run 3: Statistics of PCC

Start at: 2018-02-19 17:33:20

End at: 2018-02-19 17:33:50

```
# Below is generated by plot.py at 2018-02-19 22:21:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 555.47 Mbit/s
95th percentile per-packet one-way delay: 206.494 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 555.47 Mbit/s
95th percentile per-packet one-way delay: 206.494 ms
Loss rate: 2.20%
```

### Run 3: Report of PCC — Data Link



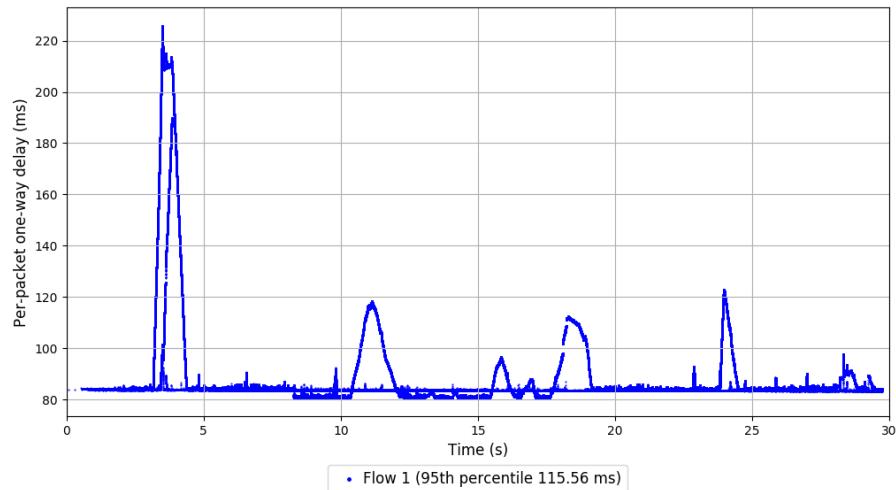
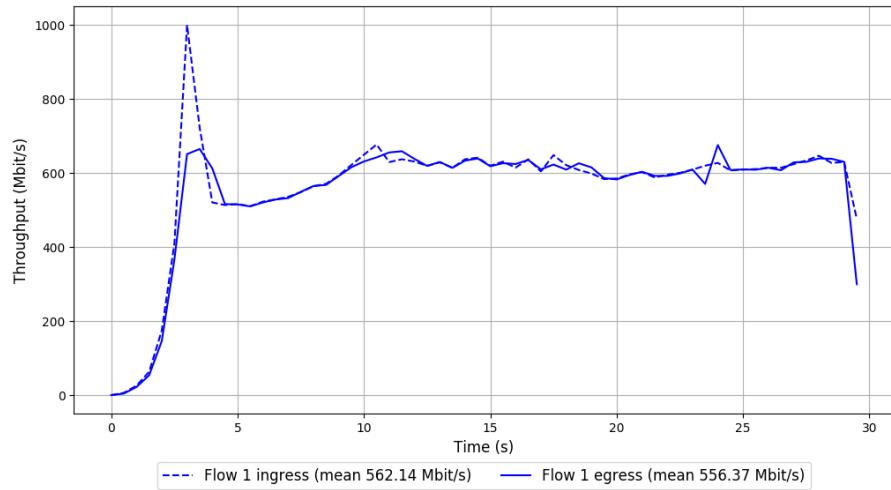
Run 4: Statistics of PCC

Start at: 2018-02-19 17:49:05

End at: 2018-02-19 17:49:35

```
# Below is generated by plot.py at 2018-02-19 22:21:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 556.37 Mbit/s
95th percentile per-packet one-way delay: 115.559 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 556.37 Mbit/s
95th percentile per-packet one-way delay: 115.559 ms
Loss rate: 1.77%
```

## Run 4: Report of PCC — Data Link



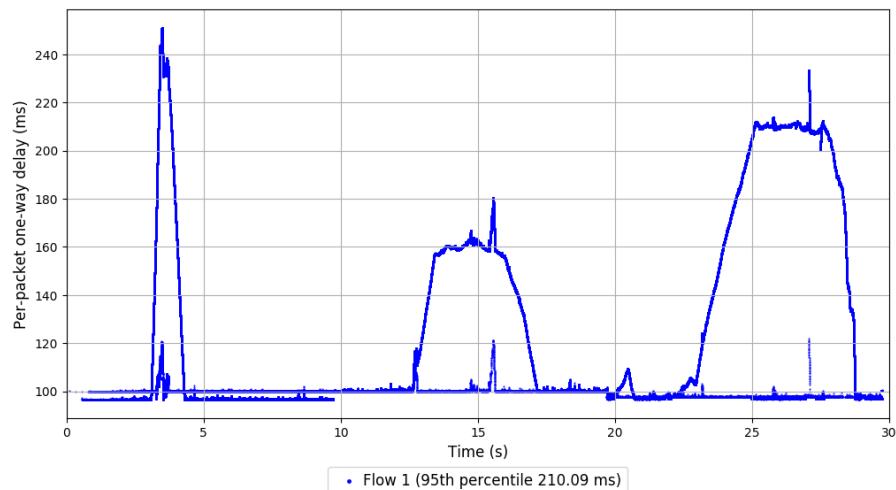
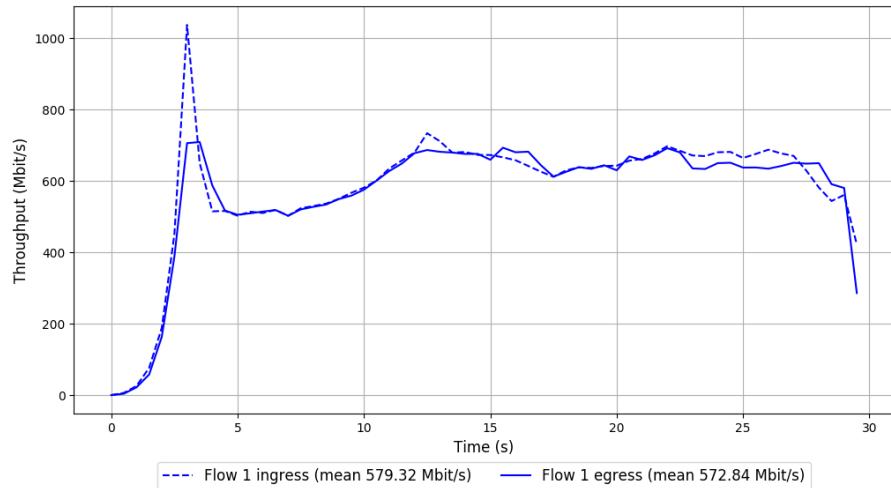
Run 5: Statistics of PCC

Start at: 2018-02-19 18:04:34

End at: 2018-02-19 18:05:04

```
# Below is generated by plot.py at 2018-02-19 22:21:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 572.84 Mbit/s
95th percentile per-packet one-way delay: 210.094 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 572.84 Mbit/s
95th percentile per-packet one-way delay: 210.094 ms
Loss rate: 1.86%
```

## Run 5: Report of PCC — Data Link



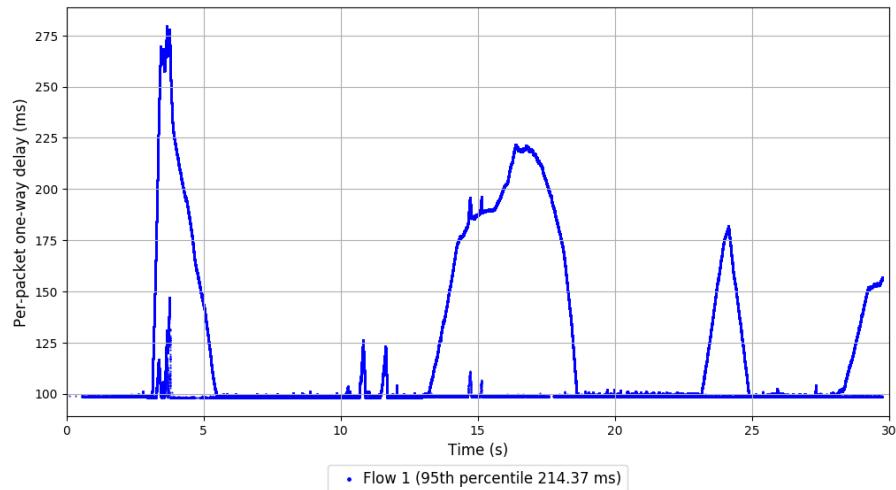
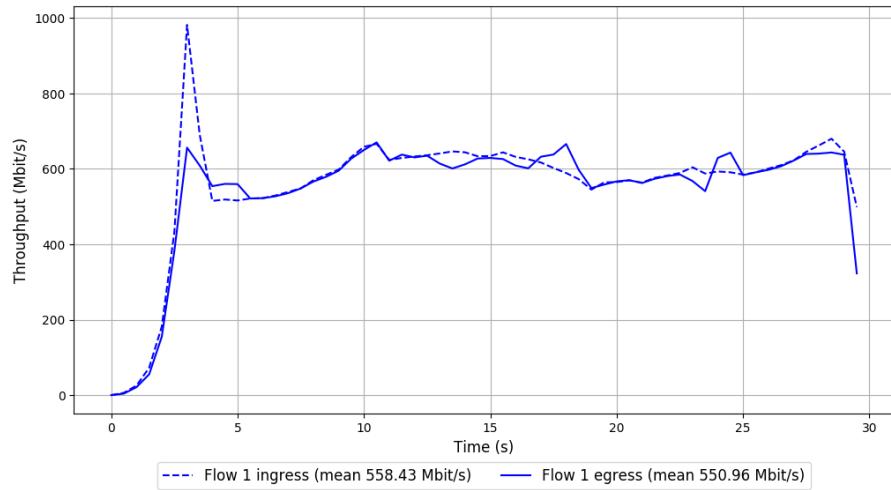
Run 6: Statistics of PCC

Start at: 2018-02-19 18:20:40

End at: 2018-02-19 18:21:10

```
# Below is generated by plot.py at 2018-02-19 22:21:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 550.96 Mbit/s
95th percentile per-packet one-way delay: 214.369 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 550.96 Mbit/s
95th percentile per-packet one-way delay: 214.369 ms
Loss rate: 2.08%
```

## Run 6: Report of PCC — Data Link



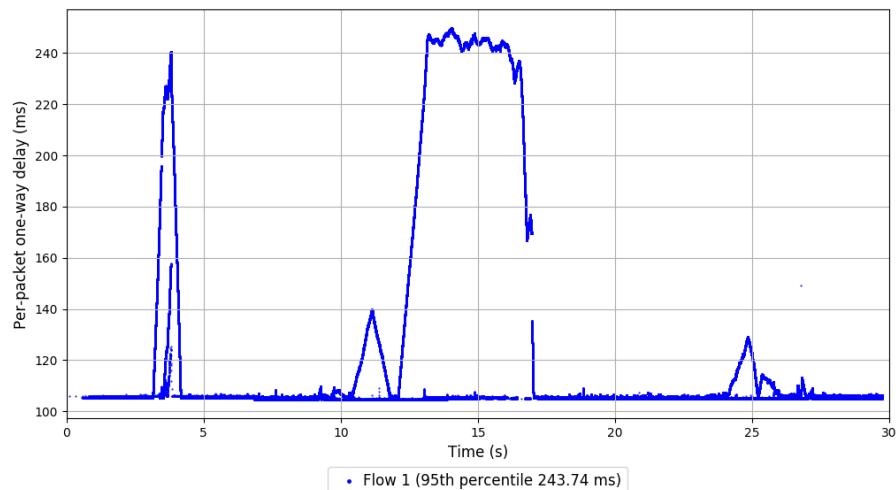
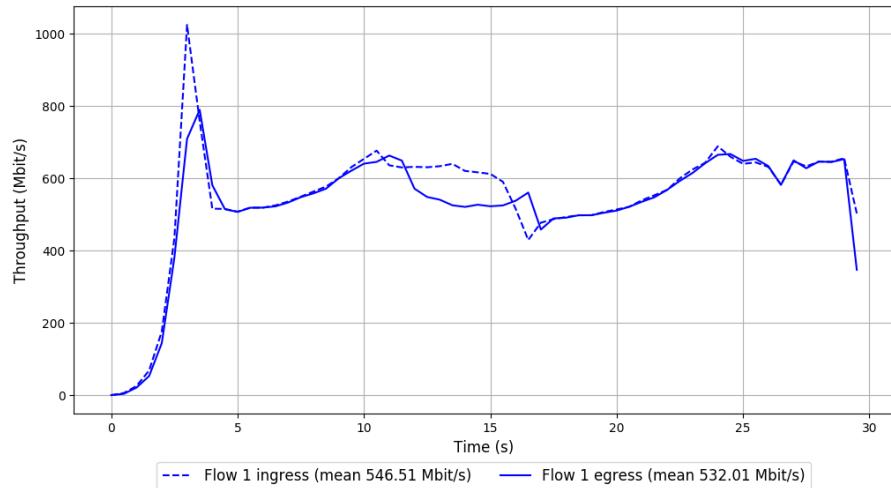
Run 7: Statistics of PCC

Start at: 2018-02-19 18:37:09

End at: 2018-02-19 18:37:40

```
# Below is generated by plot.py at 2018-02-19 22:21:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 532.01 Mbit/s
95th percentile per-packet one-way delay: 243.744 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 532.01 Mbit/s
95th percentile per-packet one-way delay: 243.744 ms
Loss rate: 3.38%
```

## Run 7: Report of PCC — Data Link



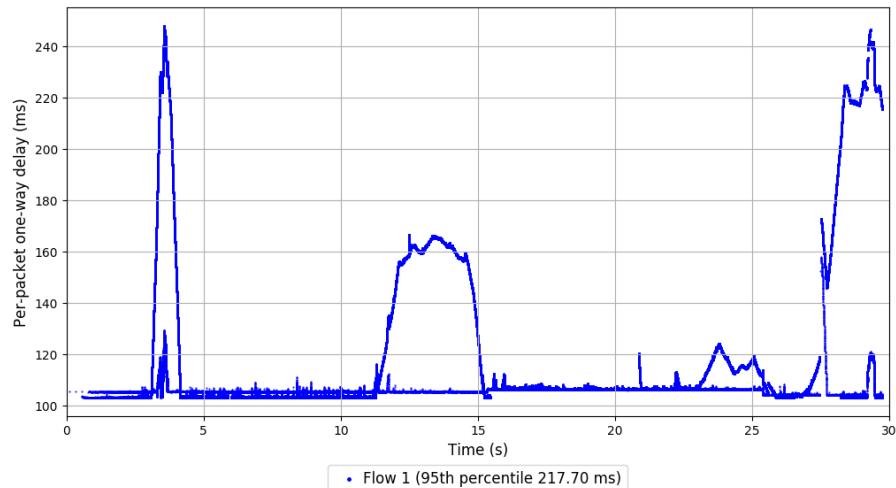
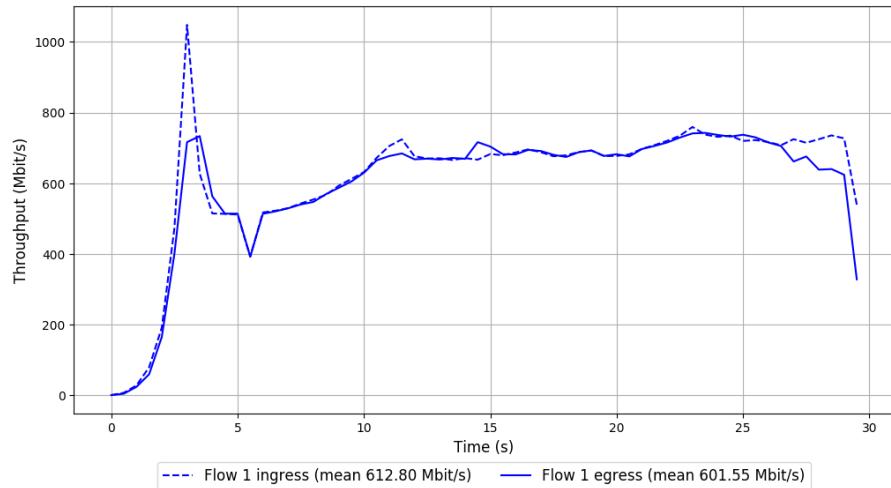
Run 8: Statistics of PCC

Start at: 2018-02-19 18:53:08

End at: 2018-02-19 18:53:38

```
# Below is generated by plot.py at 2018-02-19 22:23:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 601.55 Mbit/s
95th percentile per-packet one-way delay: 217.696 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 601.55 Mbit/s
95th percentile per-packet one-way delay: 217.696 ms
Loss rate: 2.58%
```

### Run 8: Report of PCC — Data Link



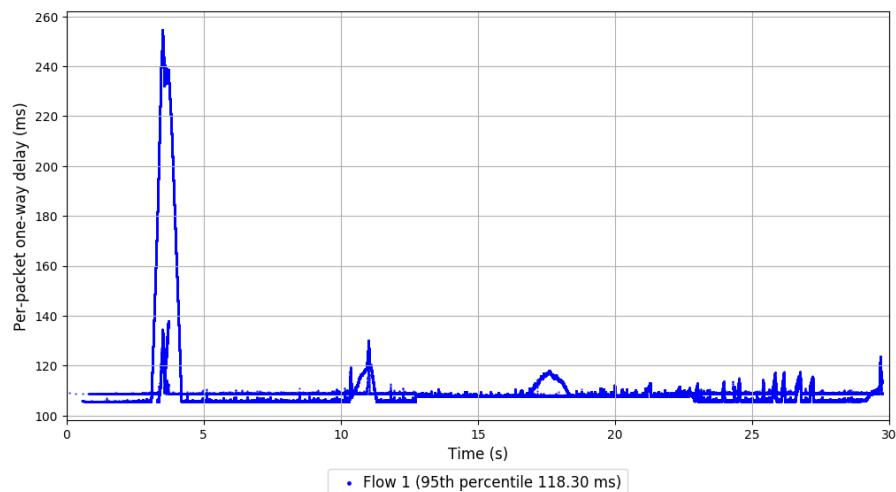
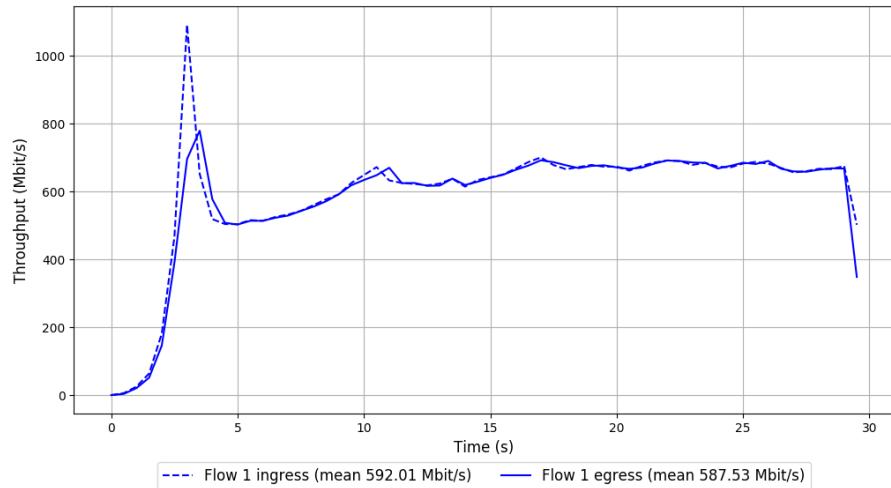
Run 9: Statistics of PCC

Start at: 2018-02-19 19:08:51

End at: 2018-02-19 19:09:21

```
# Below is generated by plot.py at 2018-02-19 22:30:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 587.53 Mbit/s
95th percentile per-packet one-way delay: 118.295 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 587.53 Mbit/s
95th percentile per-packet one-way delay: 118.295 ms
Loss rate: 1.51%
```

### Run 9: Report of PCC — Data Link



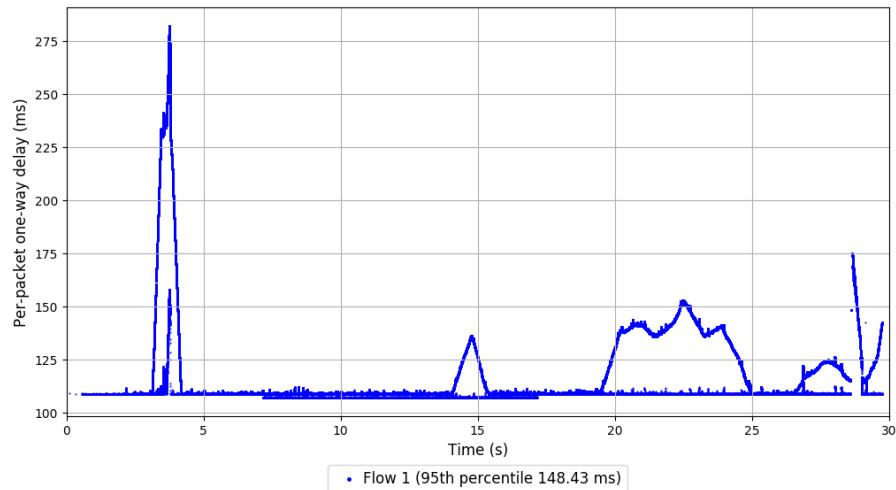
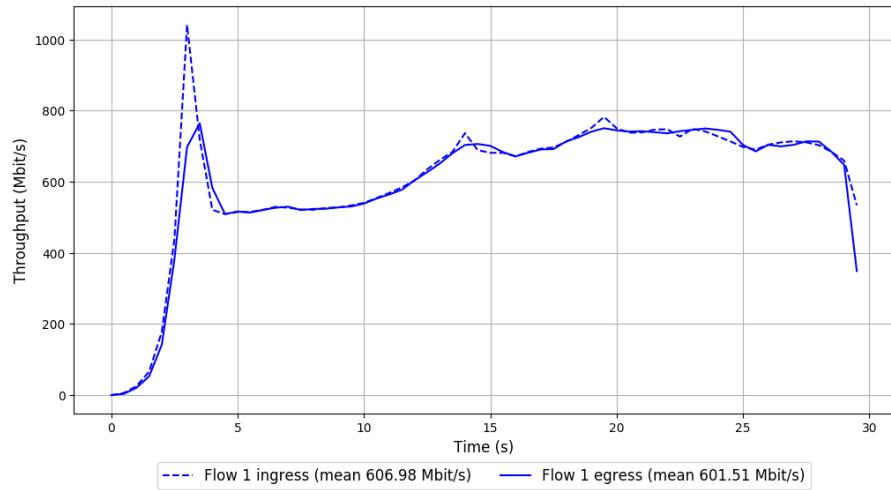
Run 10: Statistics of PCC

Start at: 2018-02-19 19:24:26

End at: 2018-02-19 19:24:56

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 601.51 Mbit/s
95th percentile per-packet one-way delay: 148.432 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 601.51 Mbit/s
95th percentile per-packet one-way delay: 148.432 ms
Loss rate: 1.65%
```

## Run 10: Report of PCC — Data Link

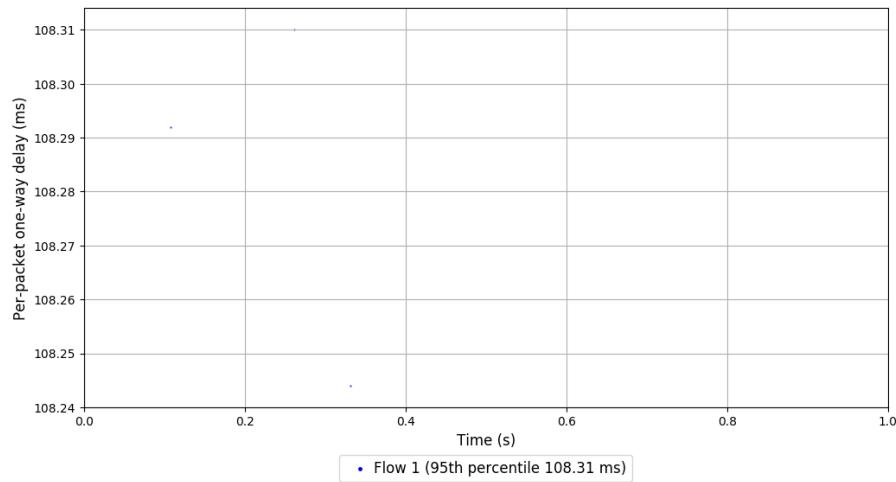
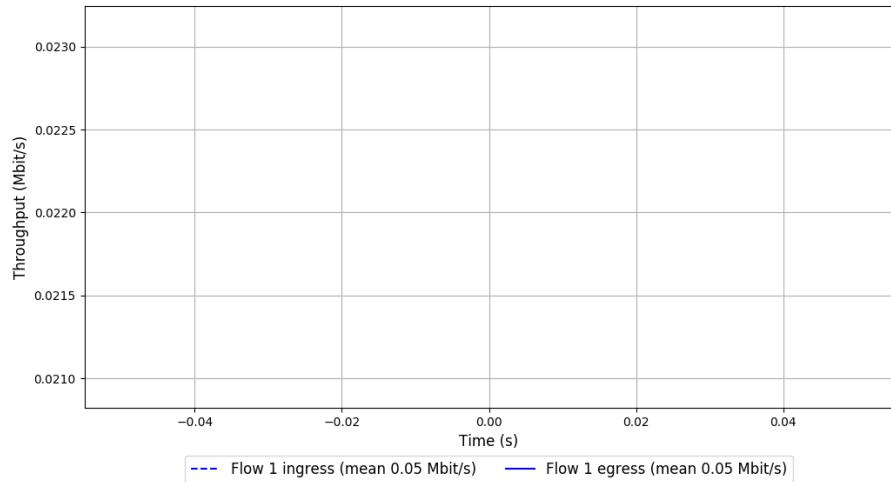


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-19 16:47:34

End at: 2018-02-19 16:48:04

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



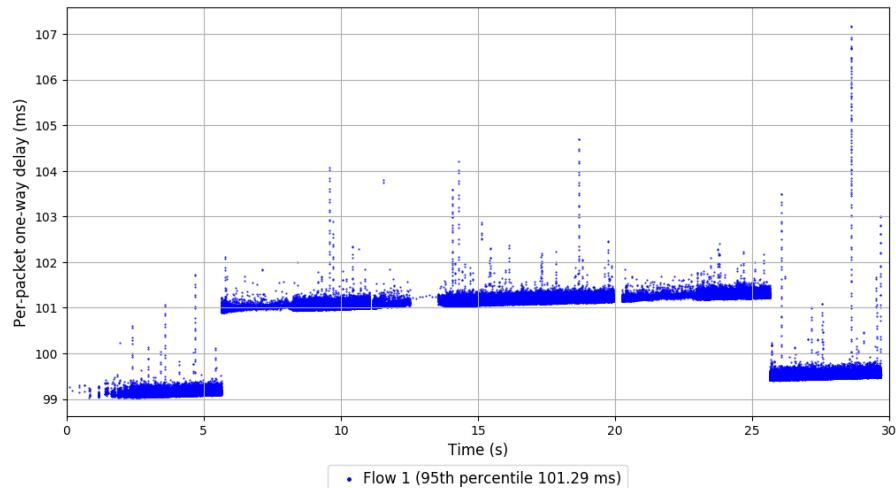
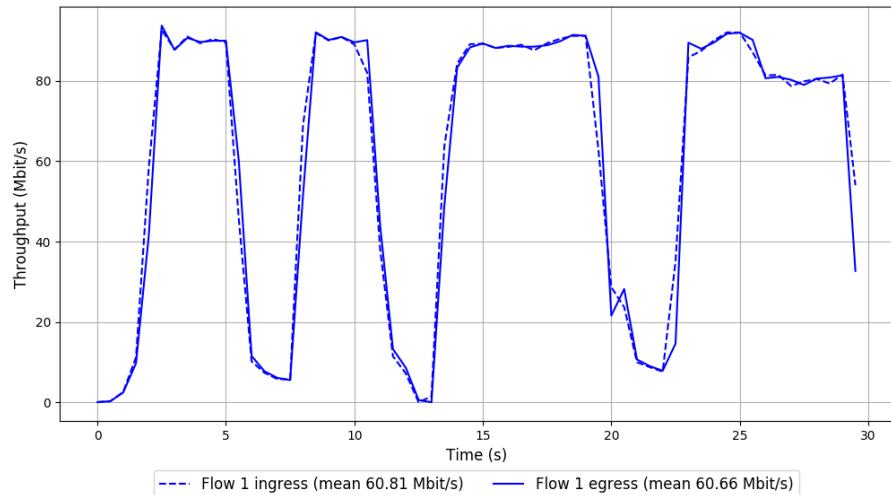
Run 2: Statistics of QUIC Cubic

Start at: 2018-02-19 17:02:48

End at: 2018-02-19 17:03:18

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.66 Mbit/s
95th percentile per-packet one-way delay: 101.293 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 60.66 Mbit/s
95th percentile per-packet one-way delay: 101.293 ms
Loss rate: 1.00%
```

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



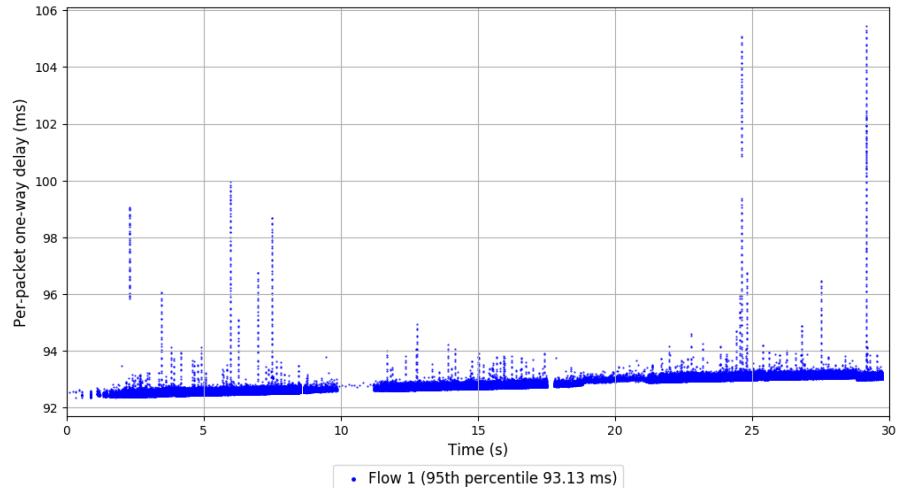
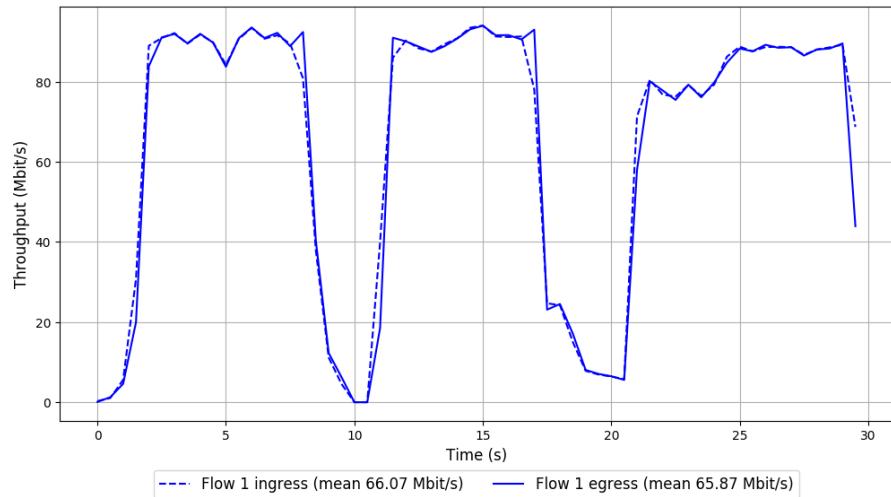
Run 3: Statistics of QUIC Cubic

Start at: 2018-02-19 17:18:38

End at: 2018-02-19 17:19:08

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.87 Mbit/s
95th percentile per-packet one-way delay: 93.126 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 65.87 Mbit/s
95th percentile per-packet one-way delay: 93.126 ms
Loss rate: 1.04%
```

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



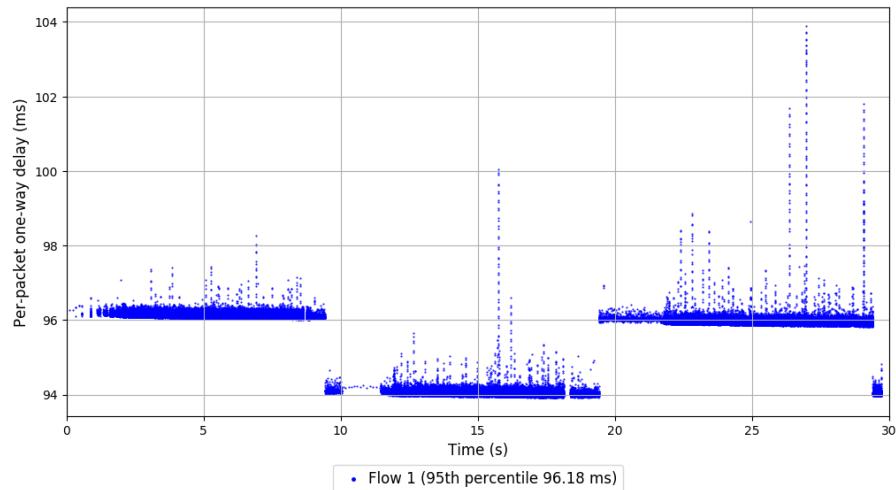
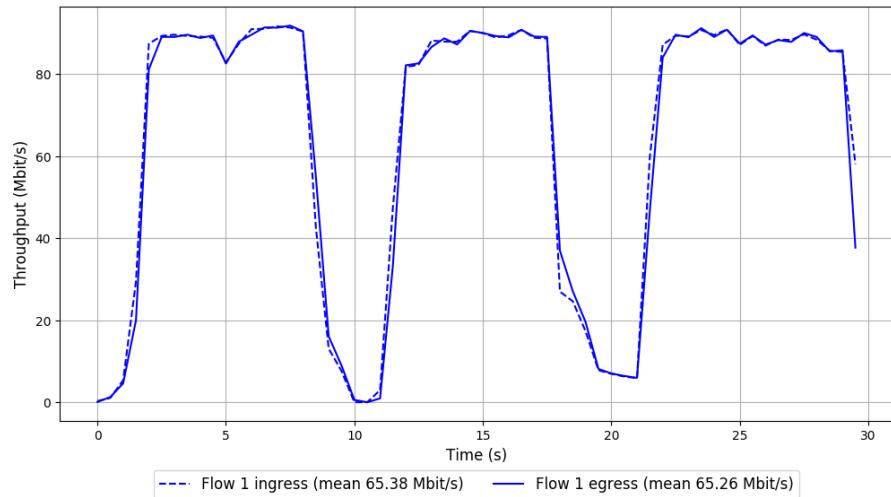
Run 4: Statistics of QUIC Cubic

Start at: 2018-02-19 17:34:24

End at: 2018-02-19 17:34:54

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.26 Mbit/s
95th percentile per-packet one-way delay: 96.176 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 65.26 Mbit/s
95th percentile per-packet one-way delay: 96.176 ms
Loss rate: 0.93%
```

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



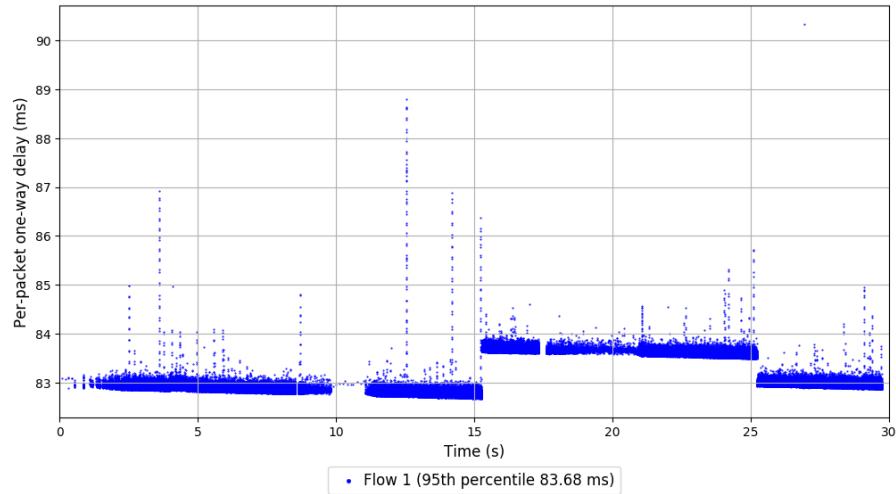
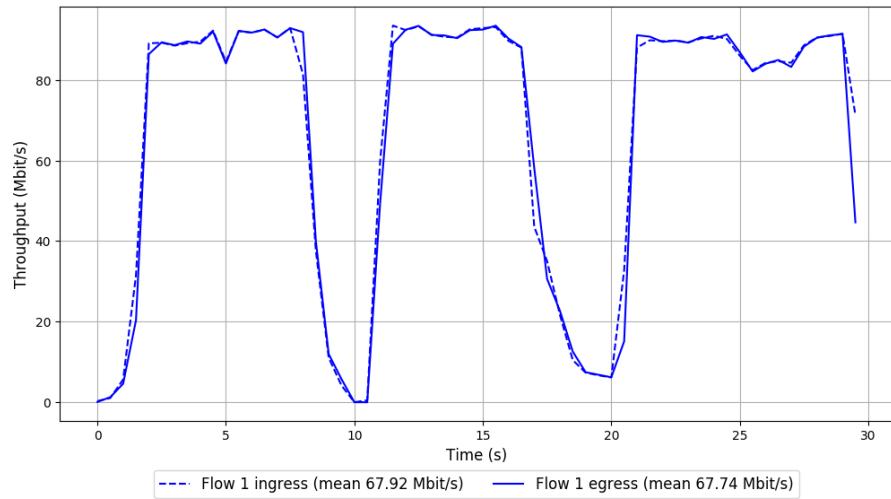
Run 5: Statistics of QUIC Cubic

Start at: 2018-02-19 17:50:08

End at: 2018-02-19 17:50:38

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.74 Mbit/s
95th percentile per-packet one-way delay: 83.682 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 67.74 Mbit/s
95th percentile per-packet one-way delay: 83.682 ms
Loss rate: 1.03%
```

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



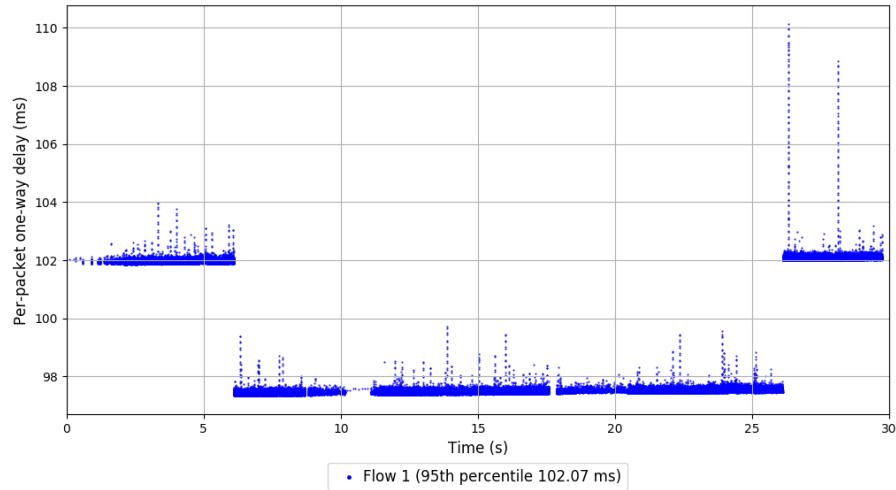
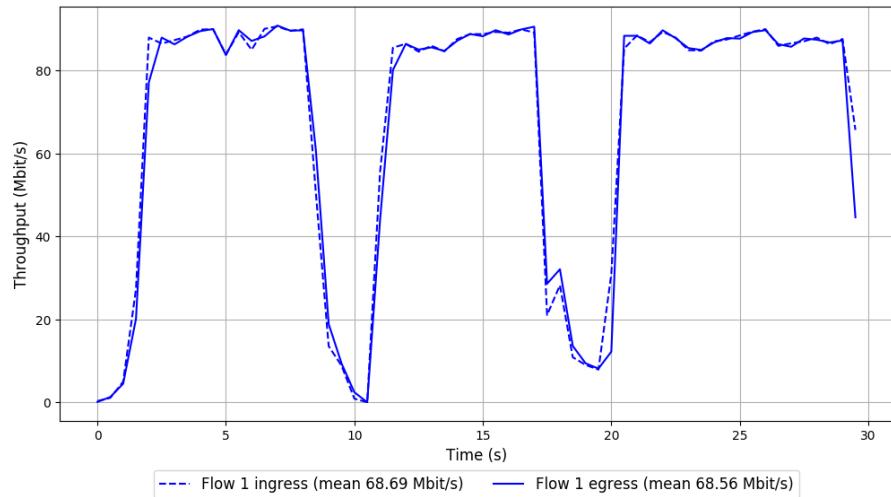
Run 6: Statistics of QUIC Cubic

Start at: 2018-02-19 18:05:37

End at: 2018-02-19 18:06:07

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.56 Mbit/s
95th percentile per-packet one-way delay: 102.072 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 68.56 Mbit/s
95th percentile per-packet one-way delay: 102.072 ms
Loss rate: 0.95%
```

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

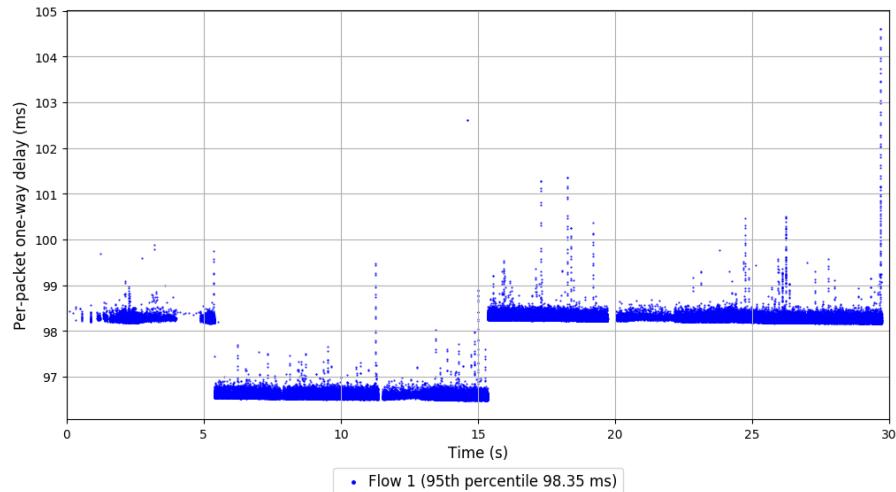
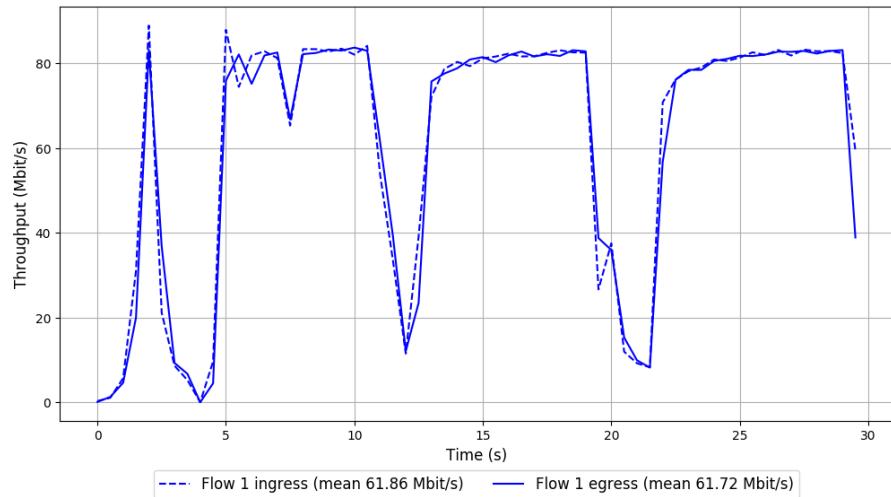


```
Run 7: Statistics of QUIC Cubic

Start at: 2018-02-19 18:21:48
End at: 2018-02-19 18:22:18

# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.72 Mbit/s
95th percentile per-packet one-way delay: 98.353 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 61.72 Mbit/s
95th percentile per-packet one-way delay: 98.353 ms
Loss rate: 0.99%
```

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



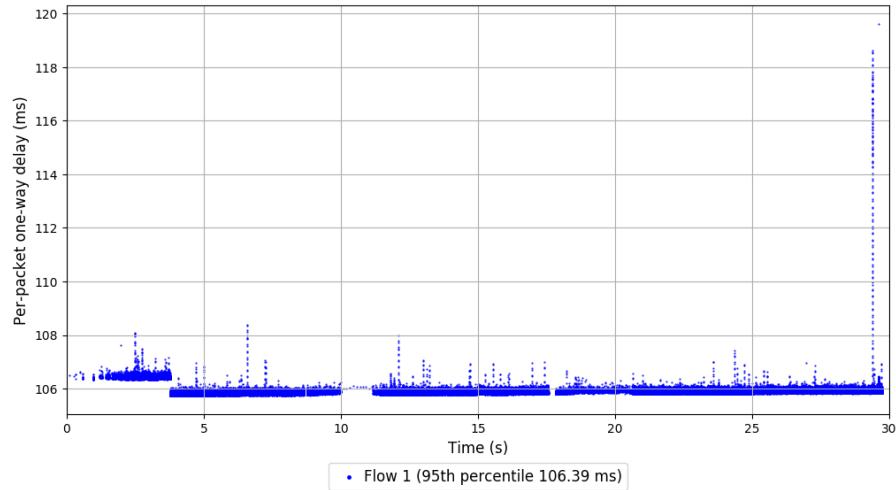
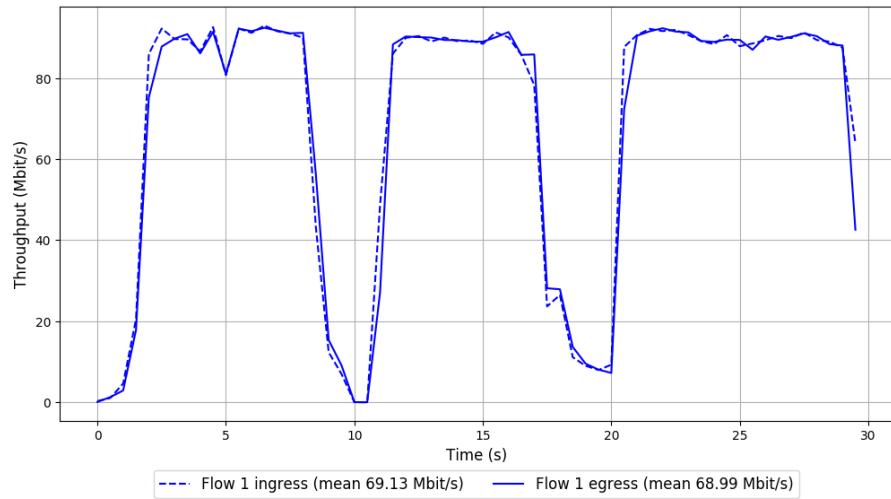
Run 8: Statistics of QUIC Cubic

Start at: 2018-02-19 18:38:24

End at: 2018-02-19 18:38:54

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.99 Mbit/s
95th percentile per-packet one-way delay: 106.393 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 68.99 Mbit/s
95th percentile per-packet one-way delay: 106.393 ms
Loss rate: 0.96%
```

Run 8: Report of QUIC Cubic — Data Link



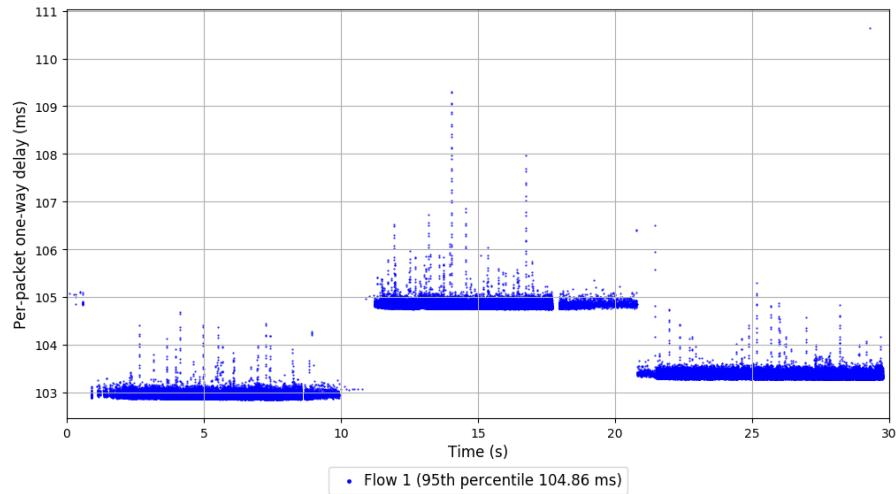
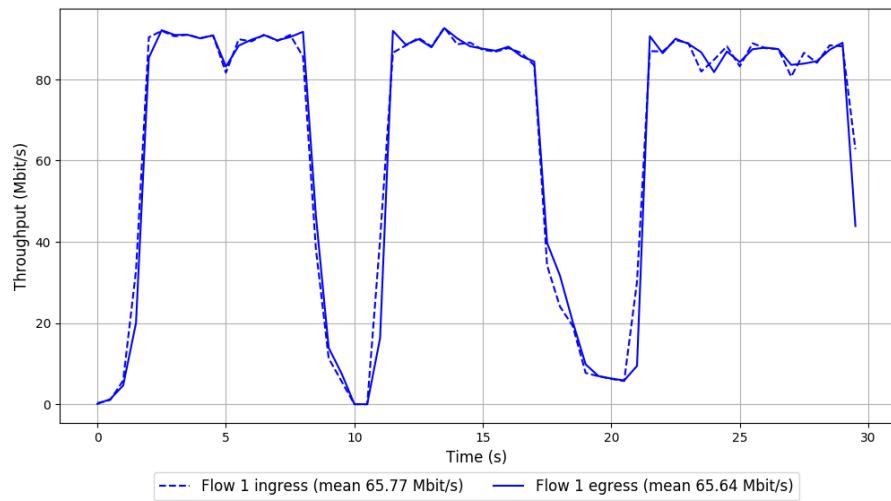
Run 9: Statistics of QUIC Cubic

Start at: 2018-02-19 18:54:13

End at: 2018-02-19 18:54:43

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.64 Mbit/s
95th percentile per-packet one-way delay: 104.859 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 65.64 Mbit/s
95th percentile per-packet one-way delay: 104.859 ms
Loss rate: 0.94%
```

Run 9: Report of QUIC Cubic — Data Link



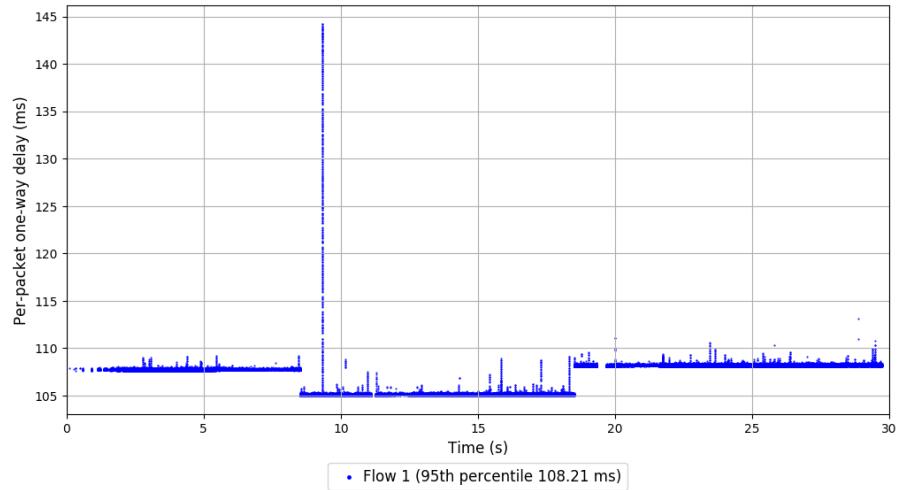
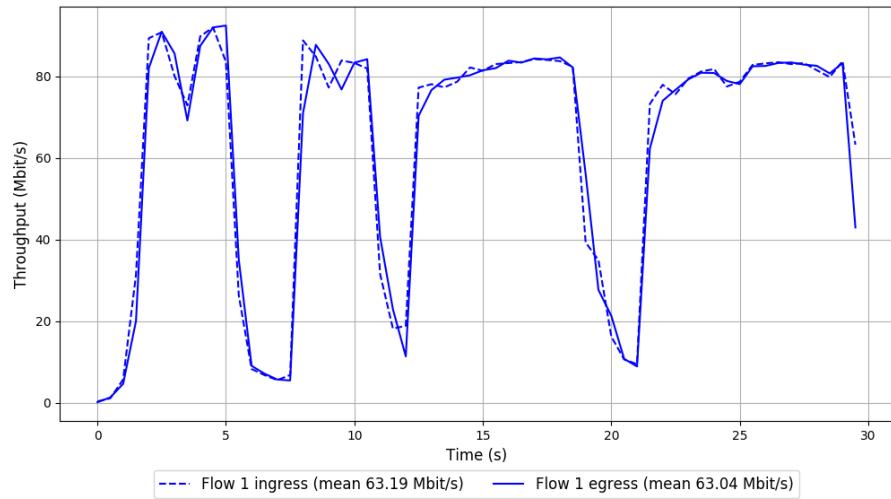
Run 10: Statistics of QUIC Cubic

Start at: 2018-02-19 19:09:55

End at: 2018-02-19 19:10:25

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.04 Mbit/s
95th percentile per-packet one-way delay: 108.213 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 63.04 Mbit/s
95th percentile per-packet one-way delay: 108.213 ms
Loss rate: 0.98%
```

Run 10: Report of QUIC Cubic — Data Link

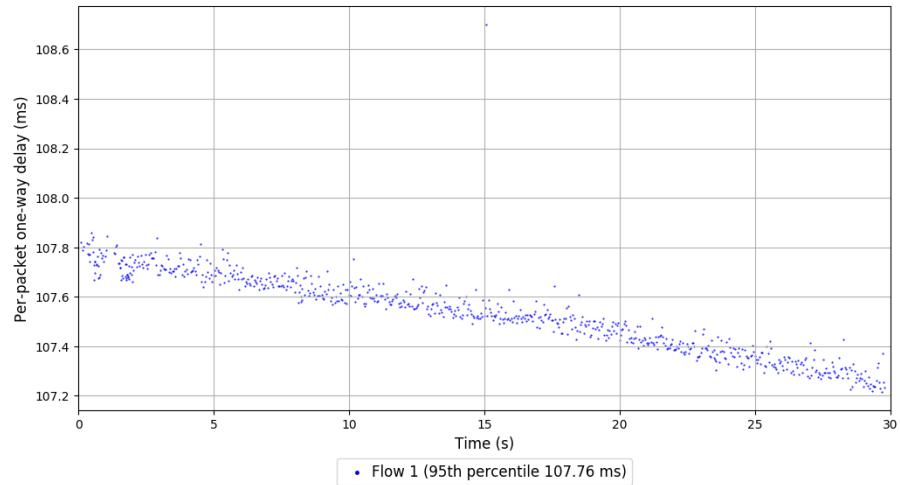
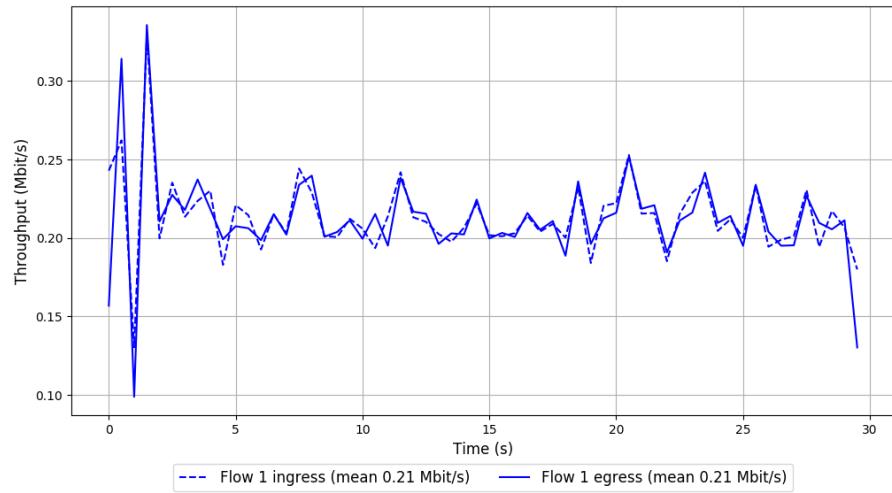


```
Run 1: Statistics of SCReAM

Start at: 2018-02-19 16:50:00
End at: 2018-02-19 16:50:30

# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 107.759 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 107.759 ms
Loss rate: 0.77%
```

Run 1: Report of SCReAM — Data Link



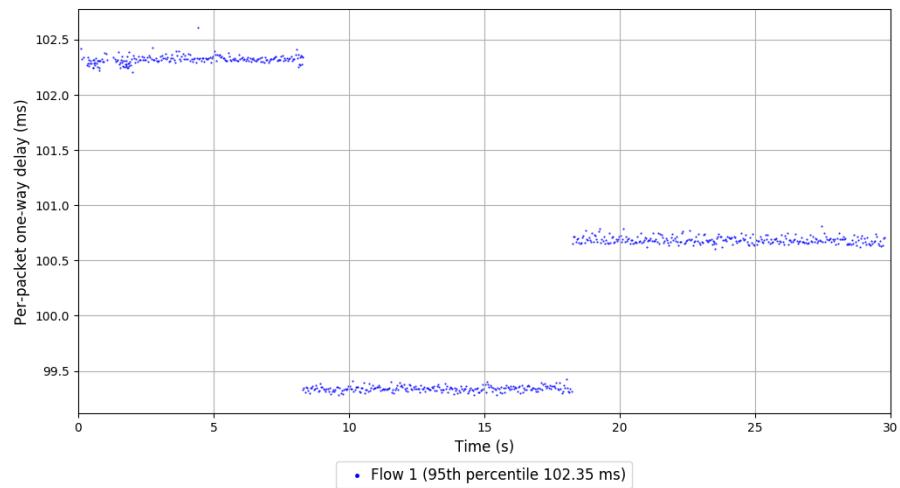
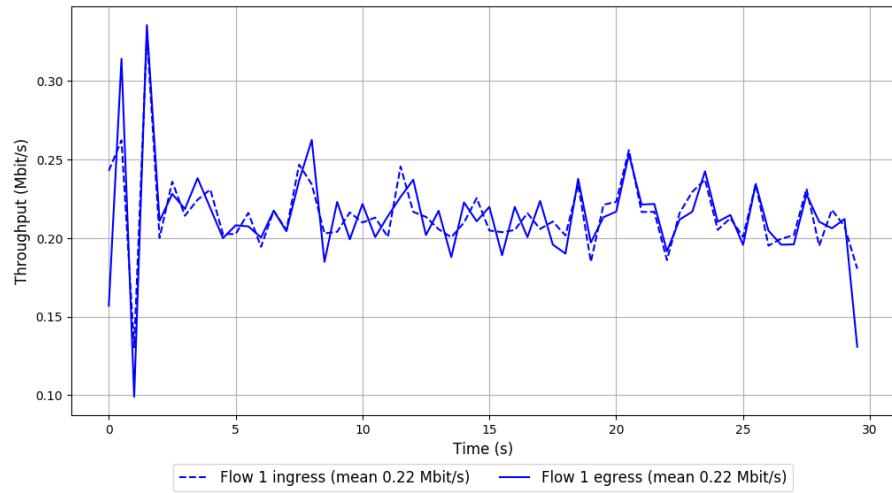
Run 2: Statistics of SCReAM

Start at: 2018-02-19 17:05:25

End at: 2018-02-19 17:05:55

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 102.346 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 102.346 ms
Loss rate: 0.76%
```

## Run 2: Report of SCReAM — Data Link



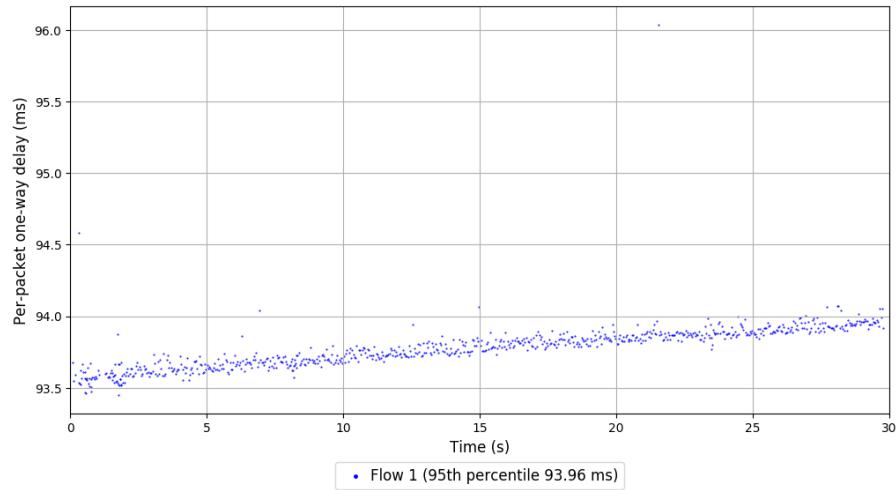
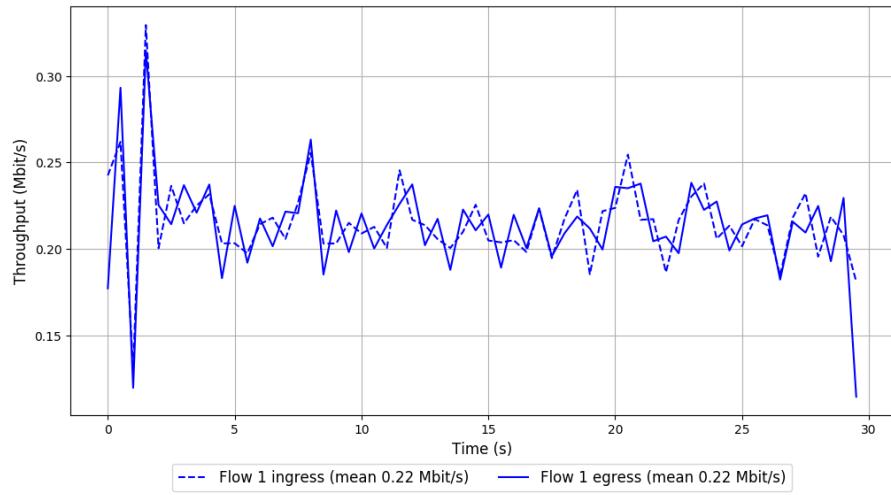
Run 3: Statistics of SCReAM

Start at: 2018-02-19 17:21:16

End at: 2018-02-19 17:21:46

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.957 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.957 ms
Loss rate: 0.76%
```

Run 3: Report of SCReAM — Data Link



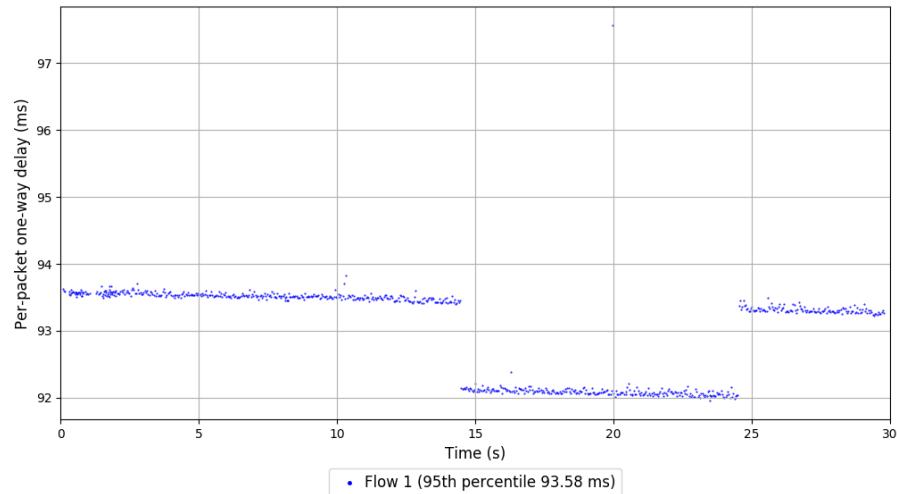
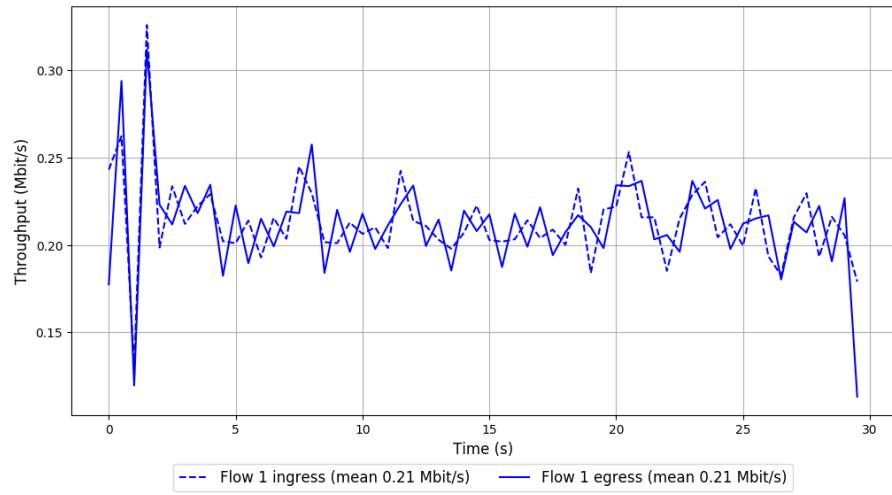
Run 4: Statistics of SCReAM

Start at: 2018-02-19 17:36:59

End at: 2018-02-19 17:37:29

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 93.579 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 93.579 ms
Loss rate: 0.76%
```

Run 4: Report of SCReAM — Data Link



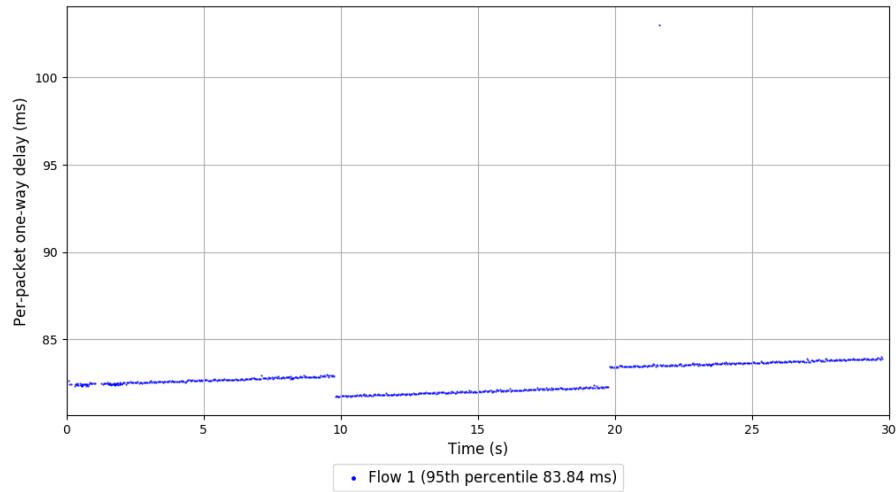
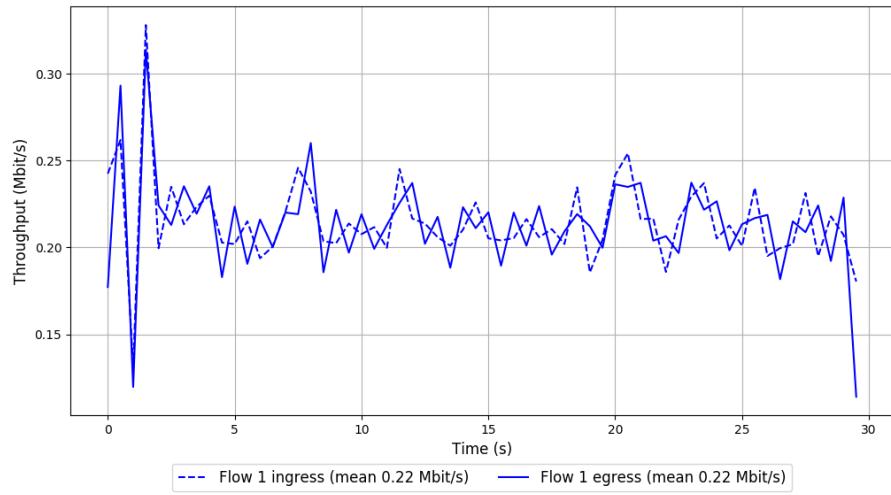
Run 5: Statistics of SCReAM

Start at: 2018-02-19 17:52:44

End at: 2018-02-19 17:53:14

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.845 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.845 ms
Loss rate: 0.76%
```

Run 5: Report of SCReAM — Data Link



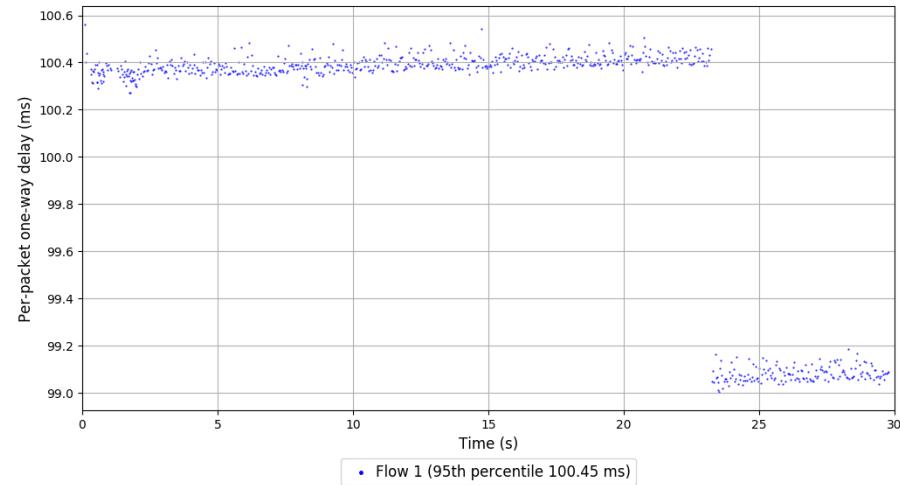
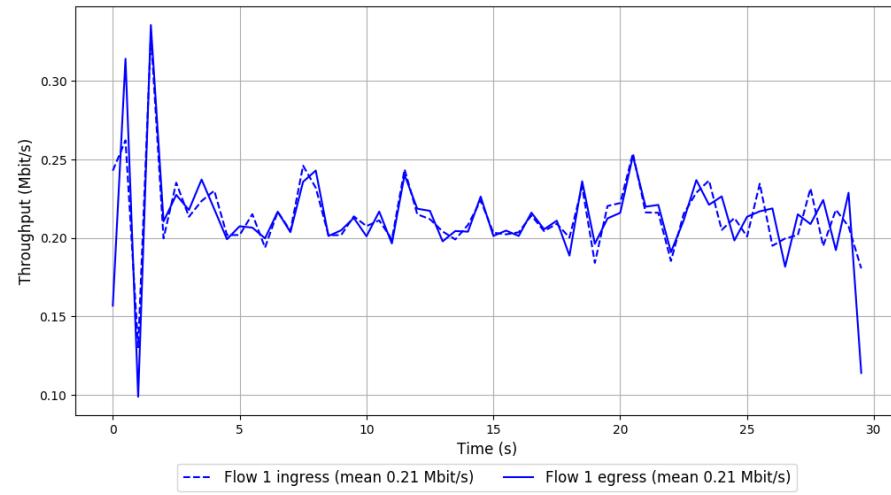
Run 6: Statistics of SCReAM

Start at: 2018-02-19 18:08:00

End at: 2018-02-19 18:08:30

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 100.453 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 100.453 ms
Loss rate: 0.77%
```

Run 6: Report of SCReAM — Data Link



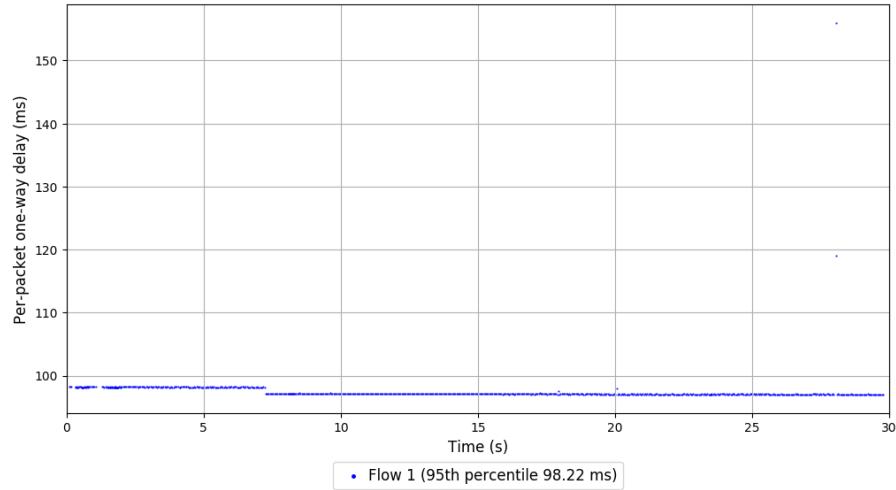
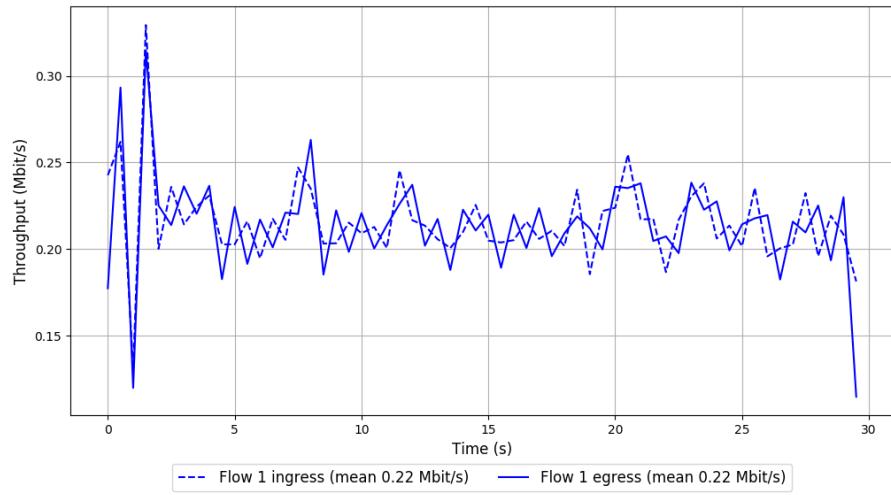
Run 7: Statistics of SCReAM

Start at: 2018-02-19 18:24:36

End at: 2018-02-19 18:25:06

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.222 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.222 ms
Loss rate: 0.77%
```

Run 7: Report of SCReAM — Data Link



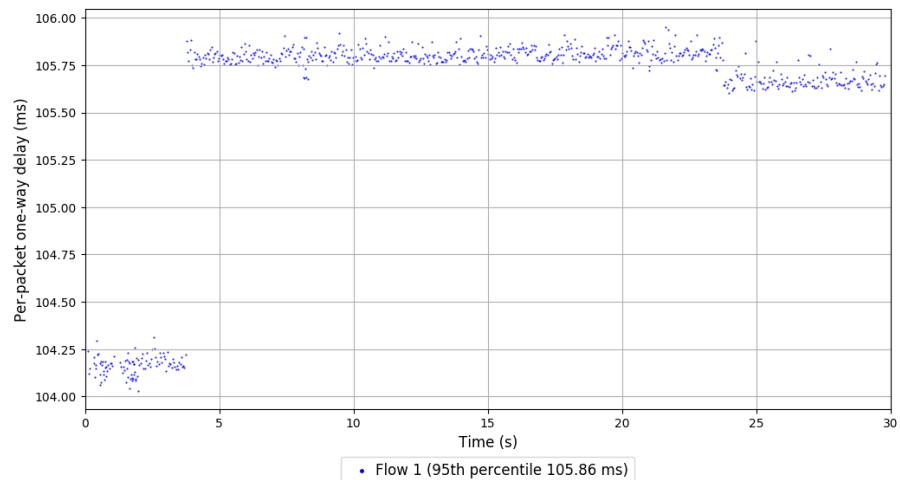
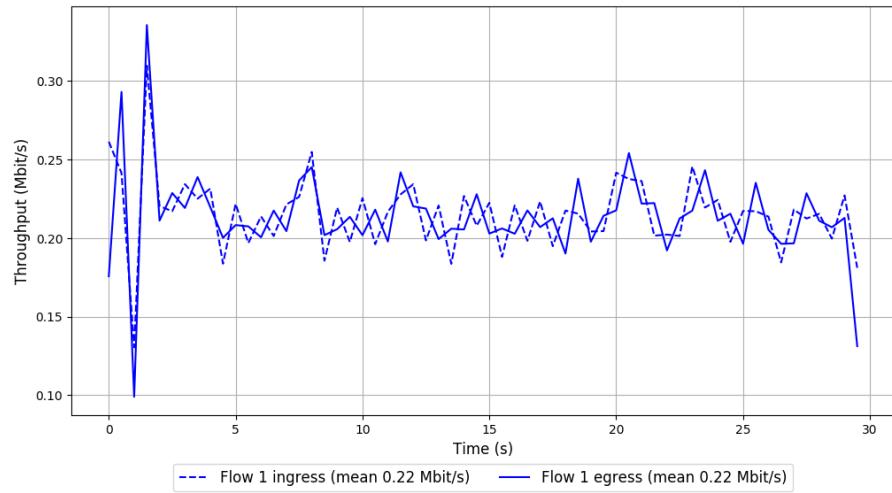
Run 8: Statistics of SCReAM

Start at: 2018-02-19 18:41:10

End at: 2018-02-19 18:41:40

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 105.865 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 105.865 ms
Loss rate: 0.76%
```

Run 8: Report of SCReAM — Data Link



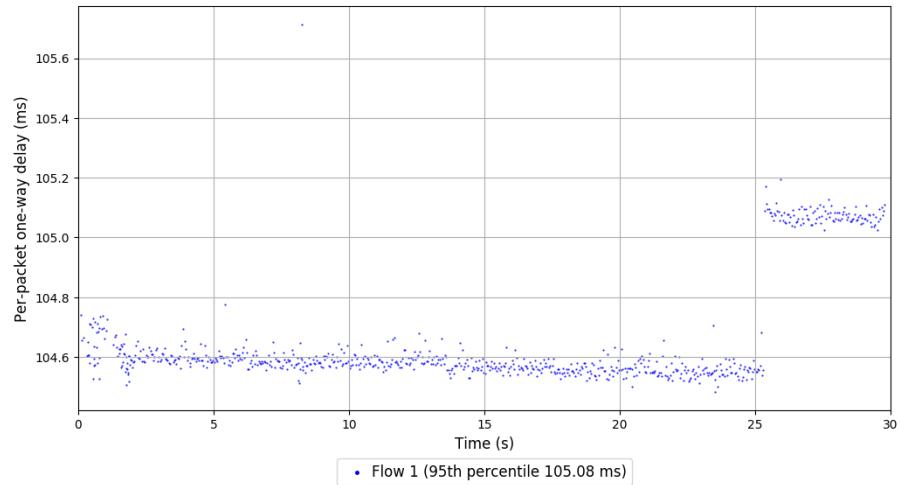
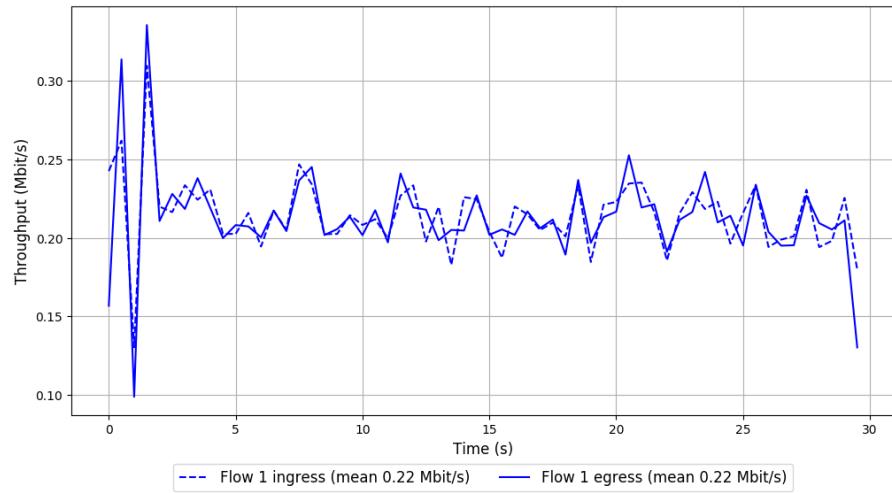
Run 9: Statistics of SCReAM

Start at: 2018-02-19 18:56:48

End at: 2018-02-19 18:57:18

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 105.082 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 105.082 ms
Loss rate: 0.76%
```

Run 9: Report of SCReAM — Data Link



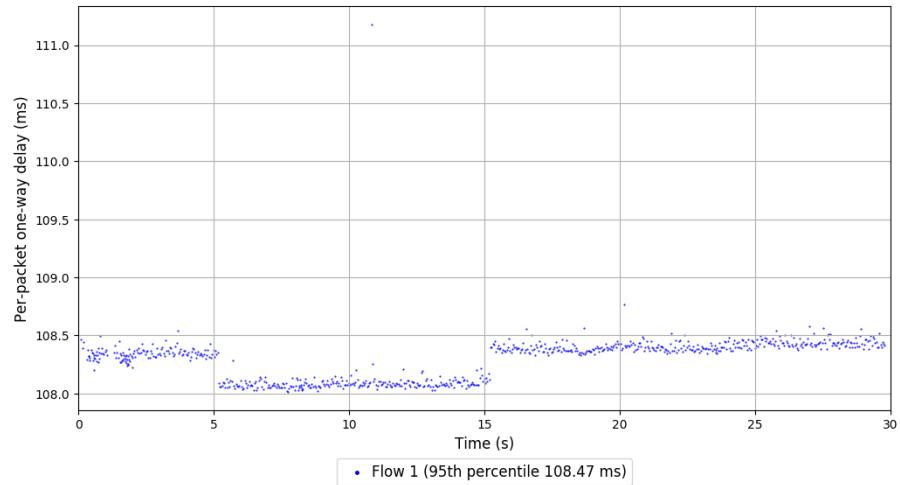
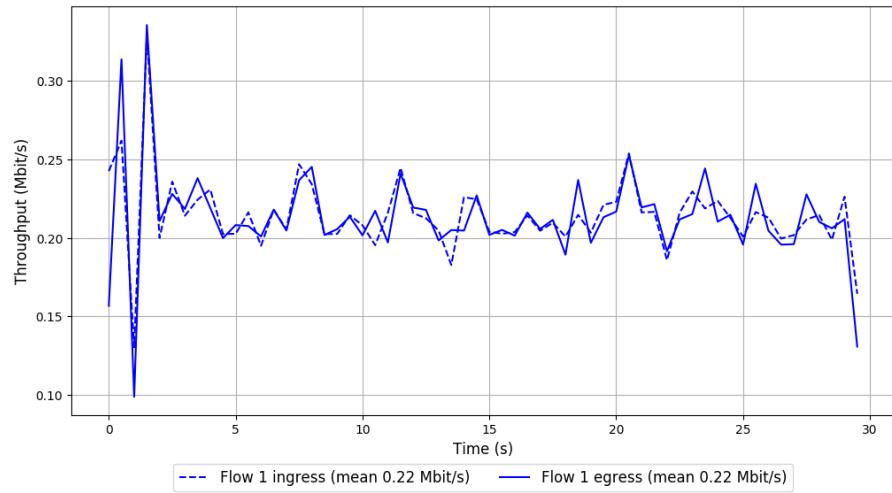
Run 10: Statistics of SCReAM

Start at: 2018-02-19 19:12:28

End at: 2018-02-19 19:12:58

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.468 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.468 ms
Loss rate: 0.64%
```

Run 10: Report of SCReAM — Data Link

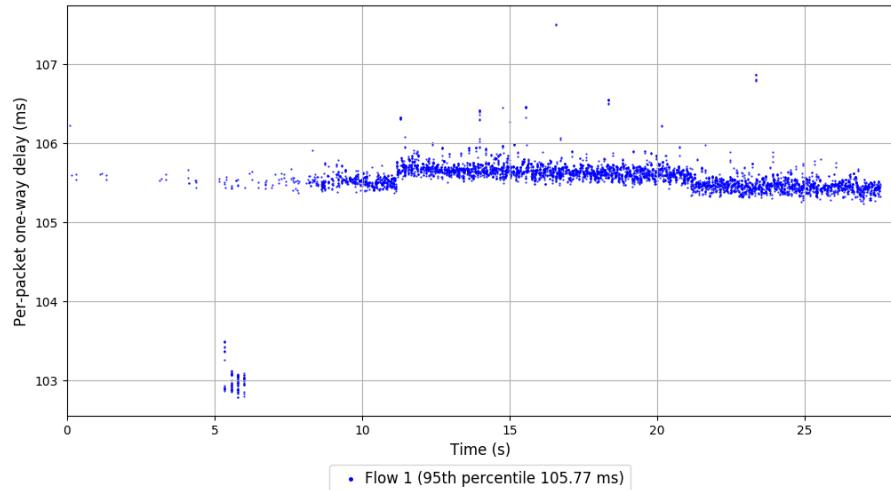
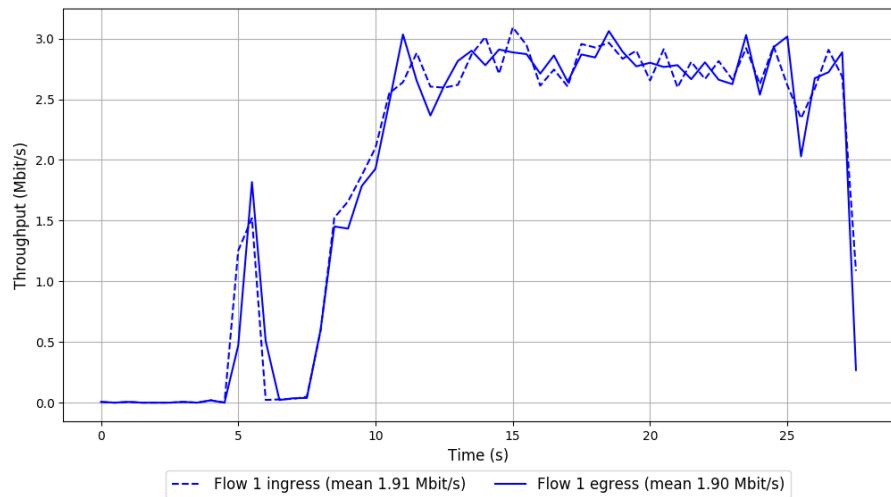


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-19 16:55:20
End at: 2018-02-19 16:55:50

# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 105.767 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 105.767 ms
Loss rate: 1.23%
```

Run 1: Report of WebRTC media — Data Link



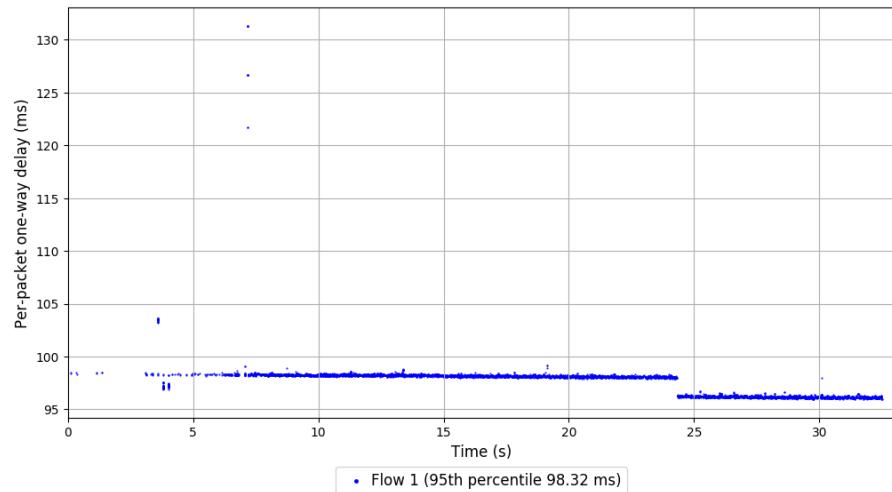
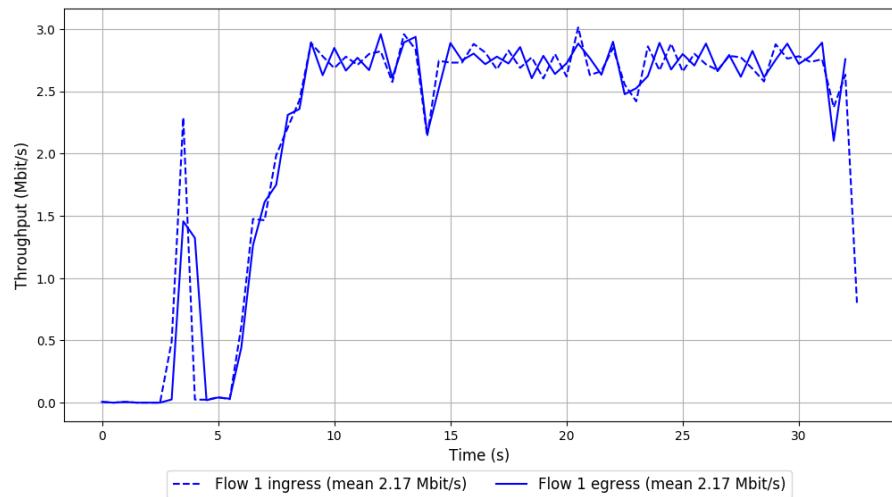
Run 2: Statistics of WebRTC media

Start at: 2018-02-19 17:11:02

End at: 2018-02-19 17:11:32

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 98.320 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 98.320 ms
Loss rate: 0.88%
```

Run 2: Report of WebRTC media — Data Link



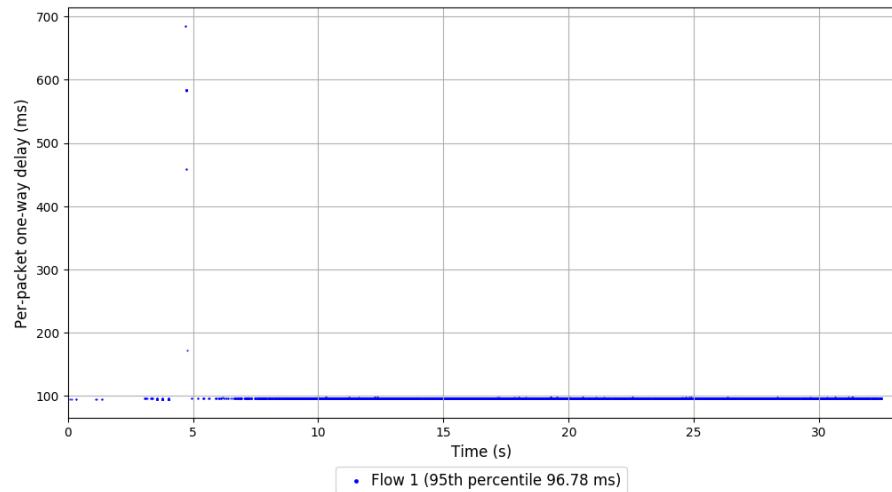
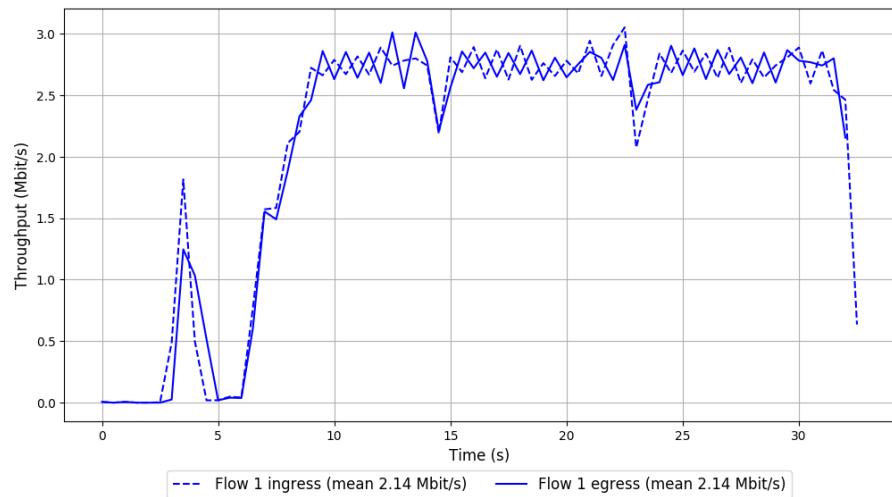
Run 3: Statistics of WebRTC media

Start at: 2018-02-19 17:26:44

End at: 2018-02-19 17:27:14

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 96.785 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 96.785 ms
Loss rate: 0.90%
```

Run 3: Report of WebRTC media — Data Link



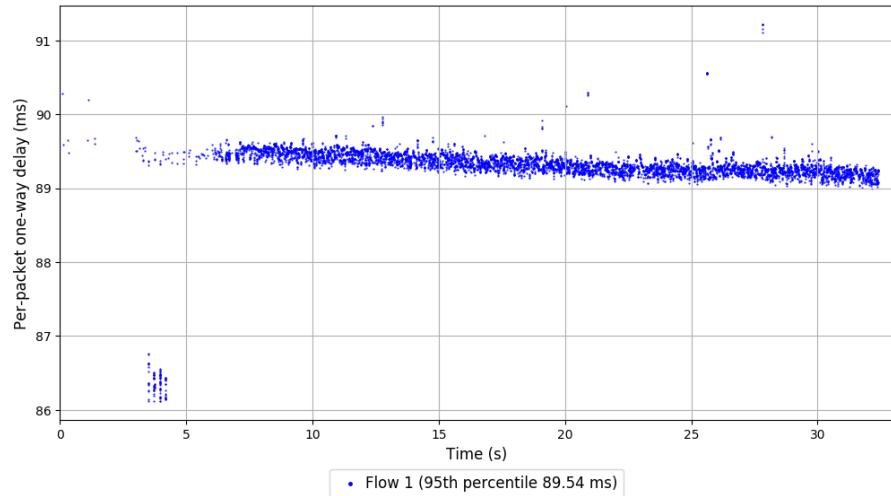
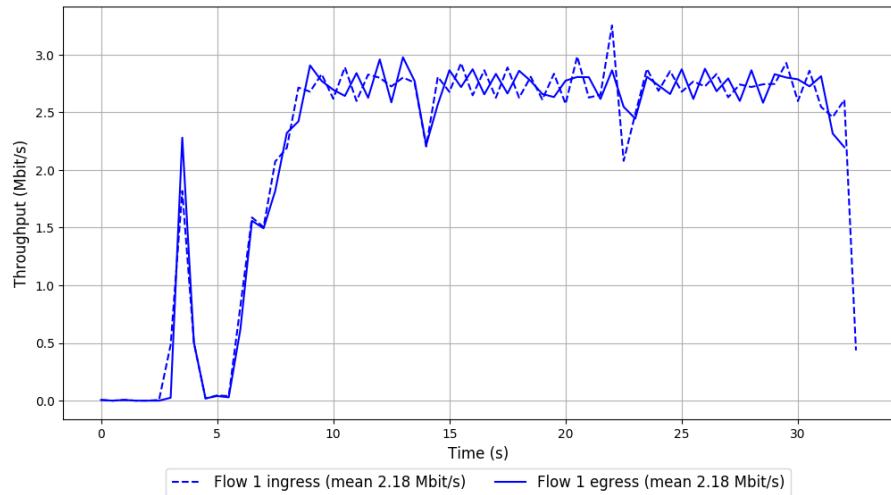
Run 4: Statistics of WebRTC media

Start at: 2018-02-19 17:42:34

End at: 2018-02-19 17:43:04

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 89.540 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 89.540 ms
Loss rate: 0.92%
```

Run 4: Report of WebRTC media — Data Link



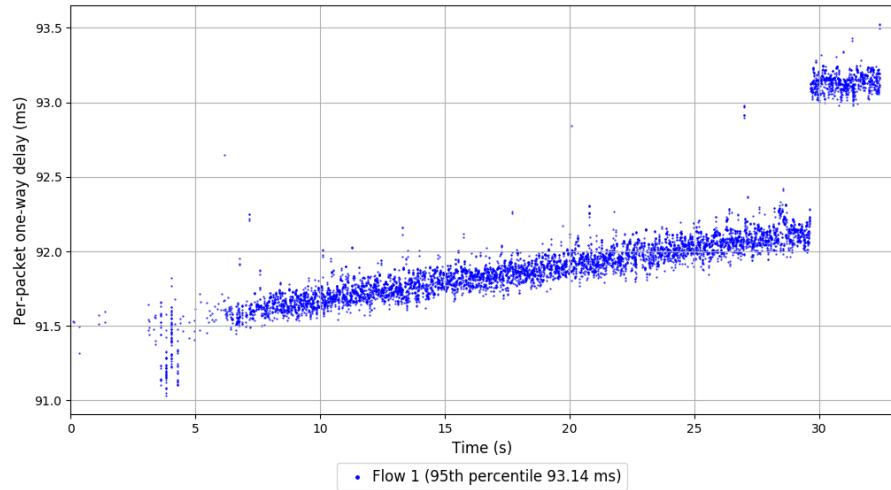
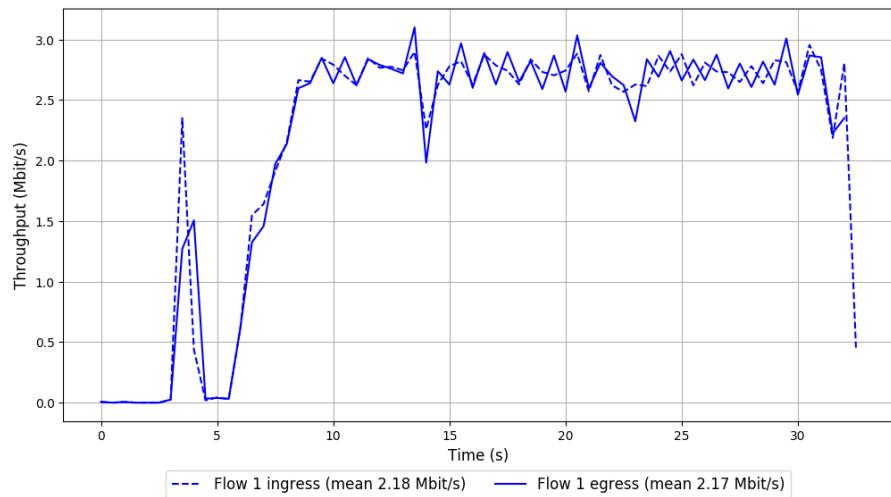
Run 5: Statistics of WebRTC media

Start at: 2018-02-19 17:58:16

End at: 2018-02-19 17:58:46

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 93.143 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 93.143 ms
Loss rate: 0.92%
```

Run 5: Report of WebRTC media — Data Link



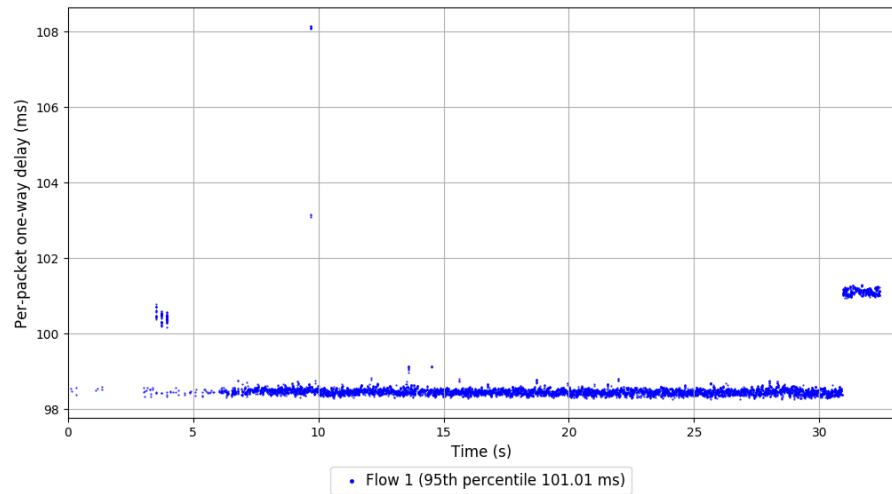
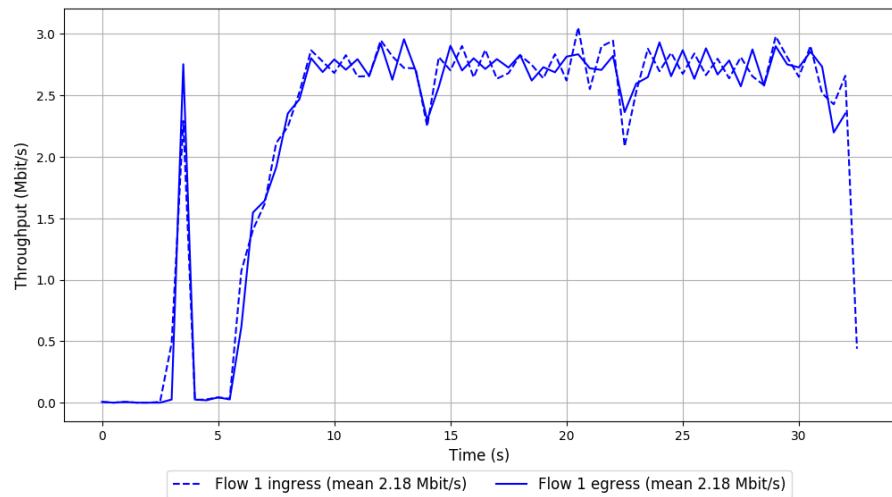
Run 6: Statistics of WebRTC media

Start at: 2018-02-19 18:13:35

End at: 2018-02-19 18:14:05

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 101.008 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 101.008 ms
Loss rate: 0.92%
```

Run 6: Report of WebRTC media — Data Link



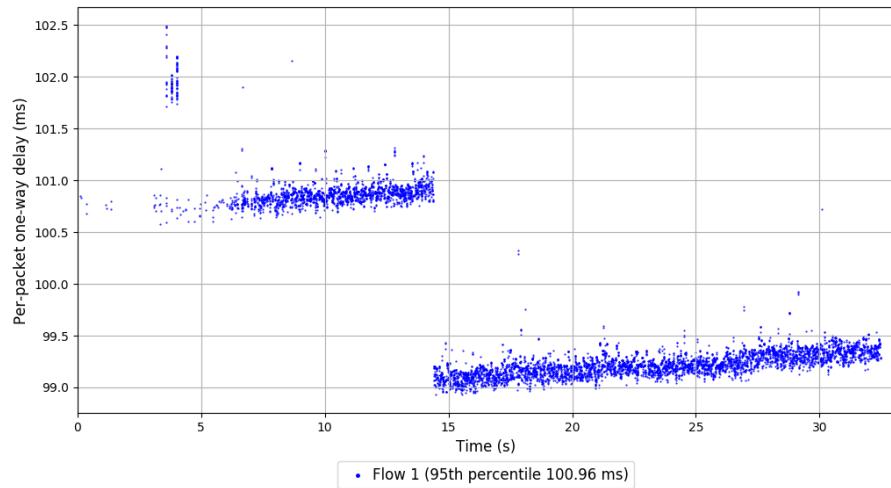
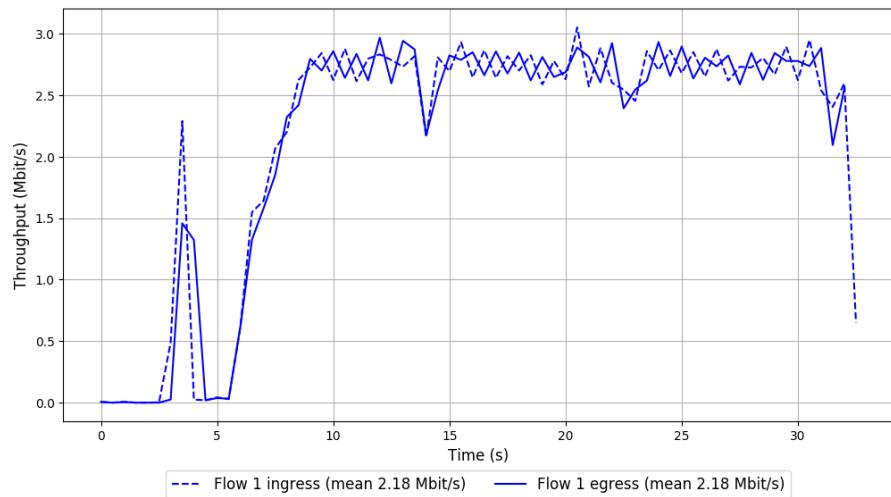
Run 7: Statistics of WebRTC media

Start at: 2018-02-19 18:30:12

End at: 2018-02-19 18:30:42

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 100.958 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 100.958 ms
Loss rate: 0.92%
```

Run 7: Report of WebRTC media — Data Link



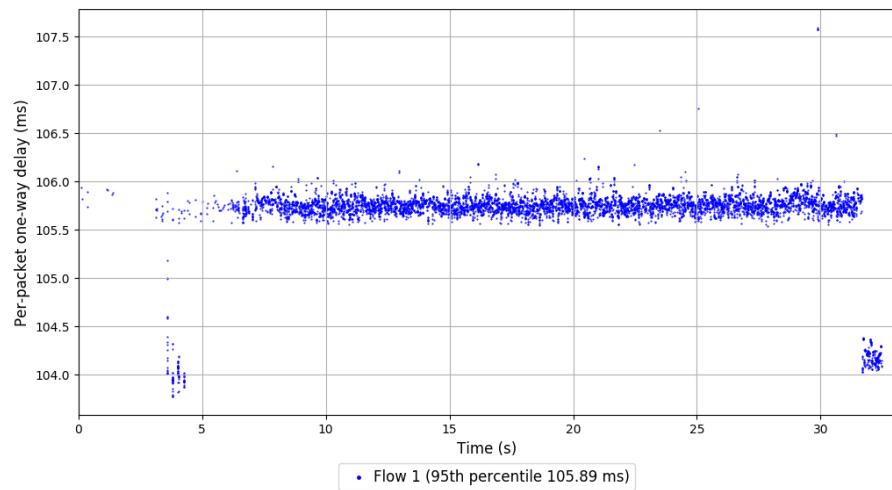
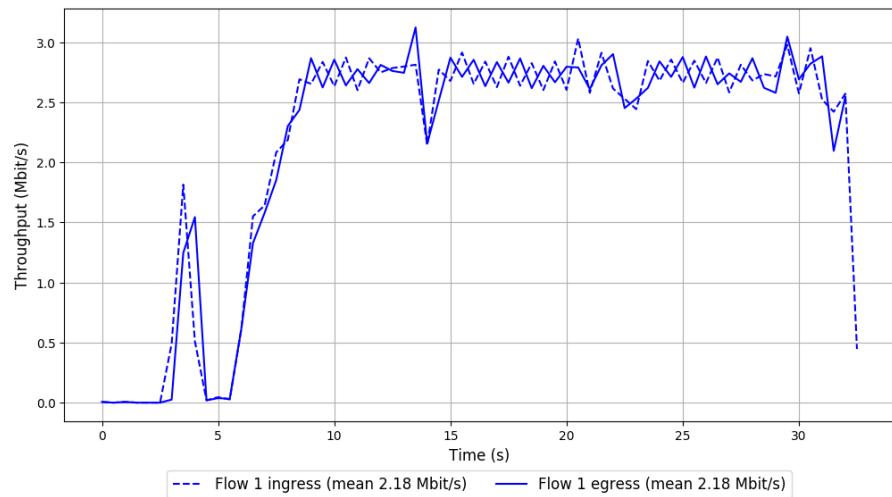
Run 8: Statistics of WebRTC media

Start at: 2018-02-19 18:46:34

End at: 2018-02-19 18:47:04

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 105.892 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 105.892 ms
Loss rate: 0.77%
```

Run 8: Report of WebRTC media — Data Link



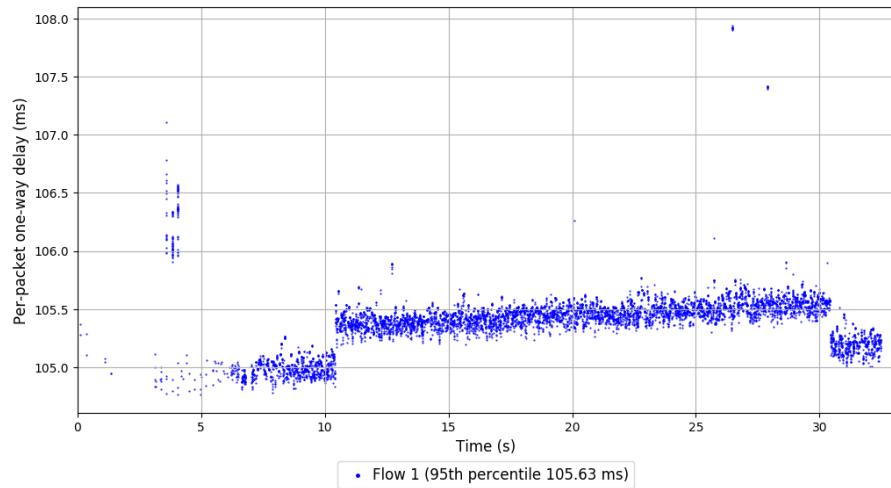
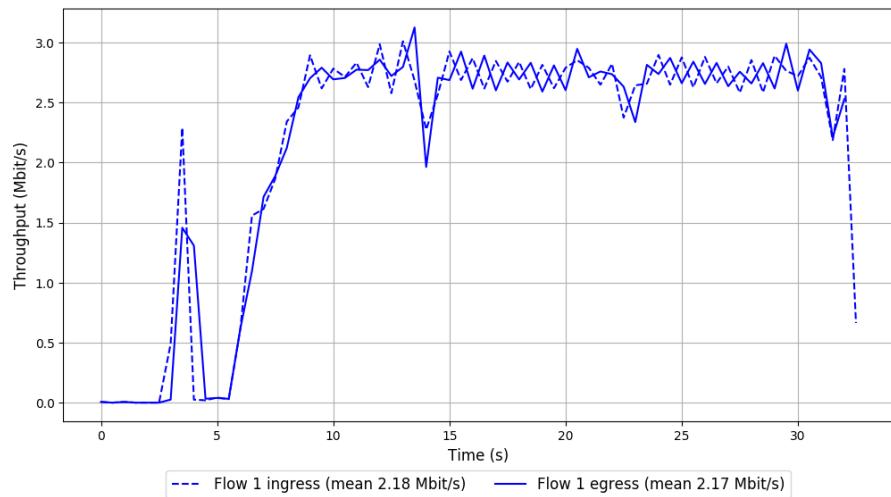
Run 9: Statistics of WebRTC media

Start at: 2018-02-19 19:02:10

End at: 2018-02-19 19:02:40

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 105.632 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 105.632 ms
Loss rate: 0.92%
```

Run 9: Report of WebRTC media — Data Link



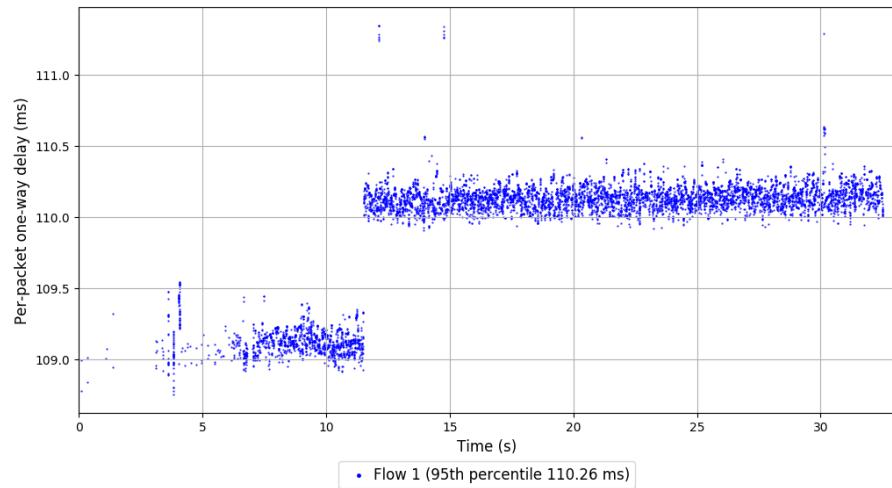
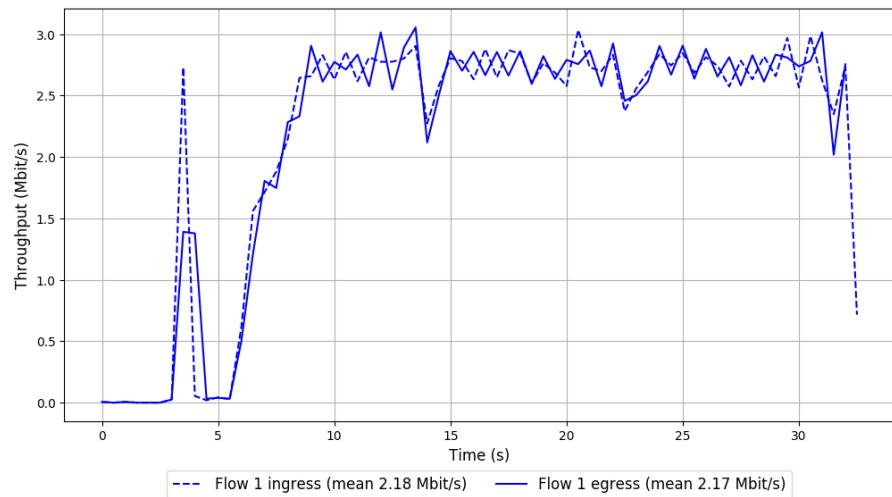
Run 10: Statistics of WebRTC media

Start at: 2018-02-19 19:17:55

End at: 2018-02-19 19:18:25

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 110.263 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 110.263 ms
Loss rate: 0.92%
```

Run 10: Report of WebRTC media — Data Link



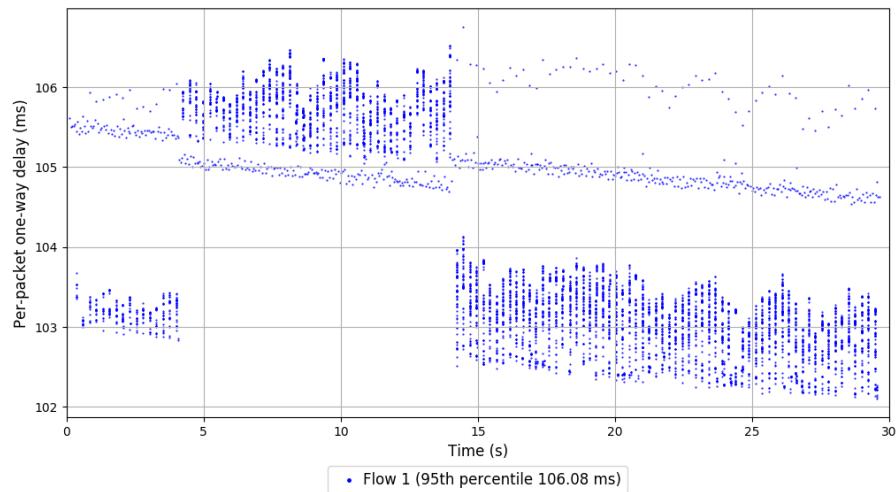
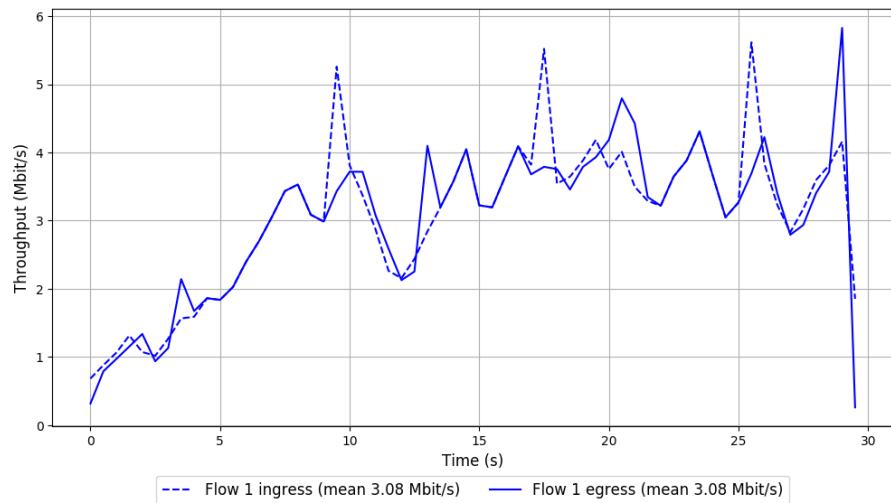
Run 1: Statistics of Sprout

Start at: 2018-02-19 16:51:29

End at: 2018-02-19 16:51:59

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 106.076 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 106.076 ms
Loss rate: 1.01%
```

### Run 1: Report of Sprout — Data Link



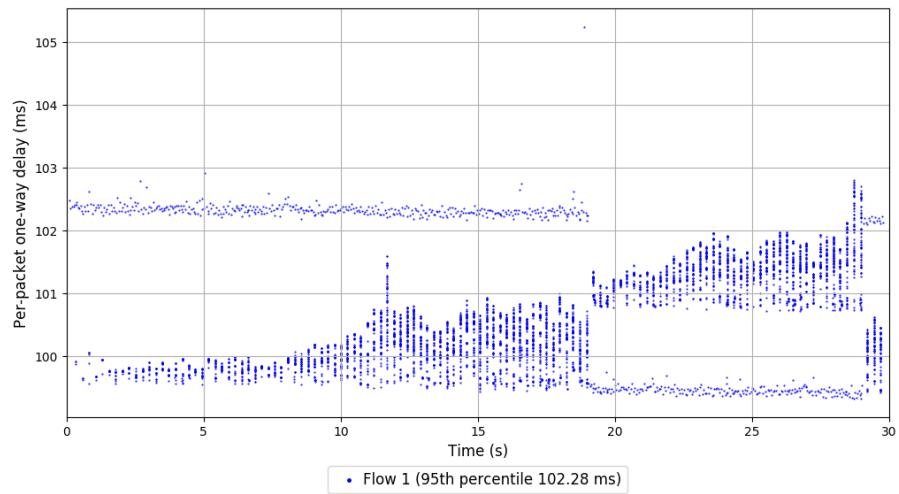
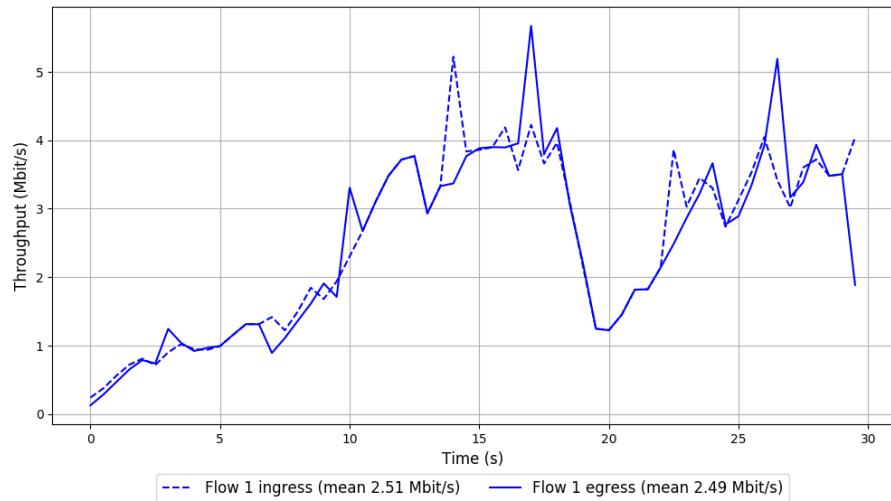
Run 2: Statistics of Sprout

Start at: 2018-02-19 17:06:54

End at: 2018-02-19 17:07:24

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 102.283 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 102.283 ms
Loss rate: 1.44%
```

## Run 2: Report of Sprout — Data Link



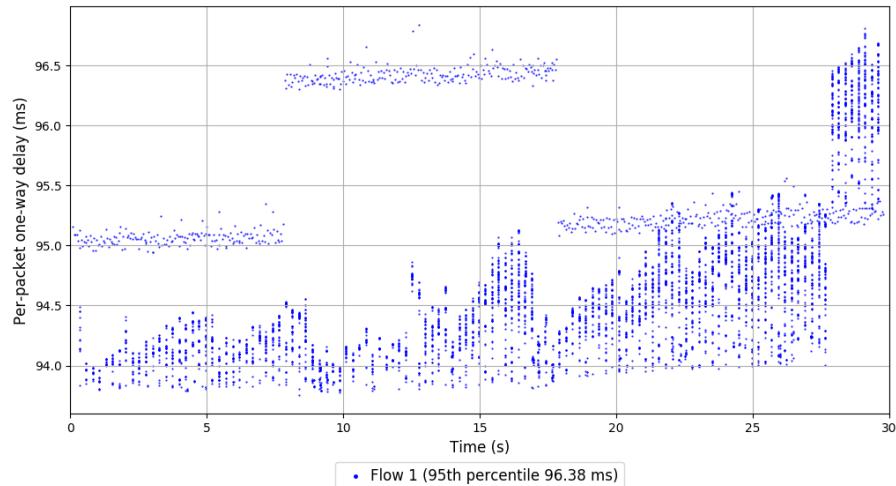
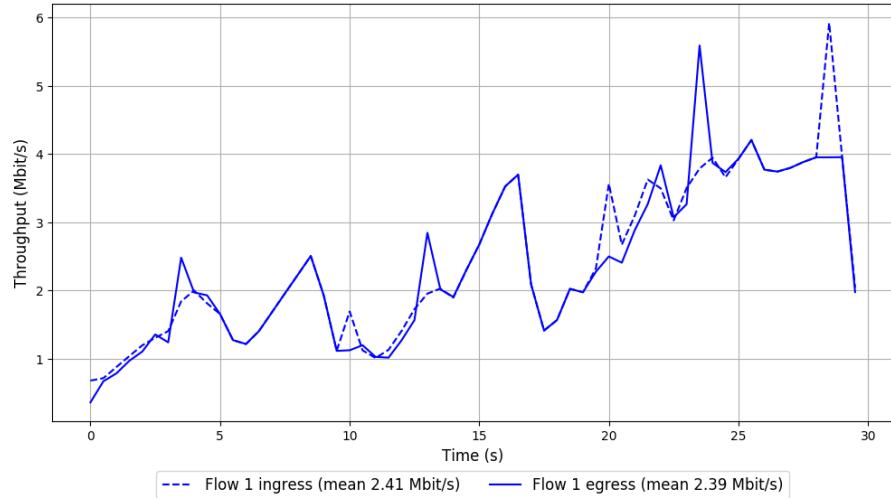
Run 3: Statistics of Sprout

Start at: 2018-02-19 17:22:46

End at: 2018-02-19 17:23:16

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 96.382 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 96.382 ms
Loss rate: 1.41%
```

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



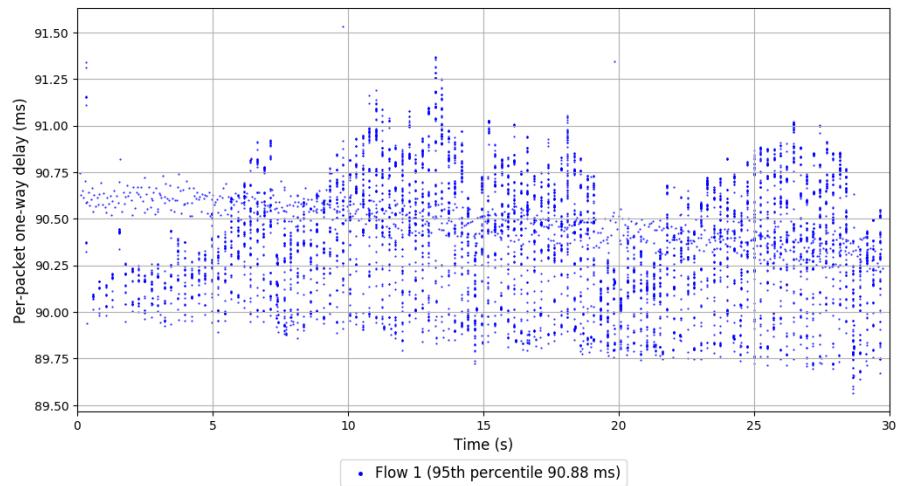
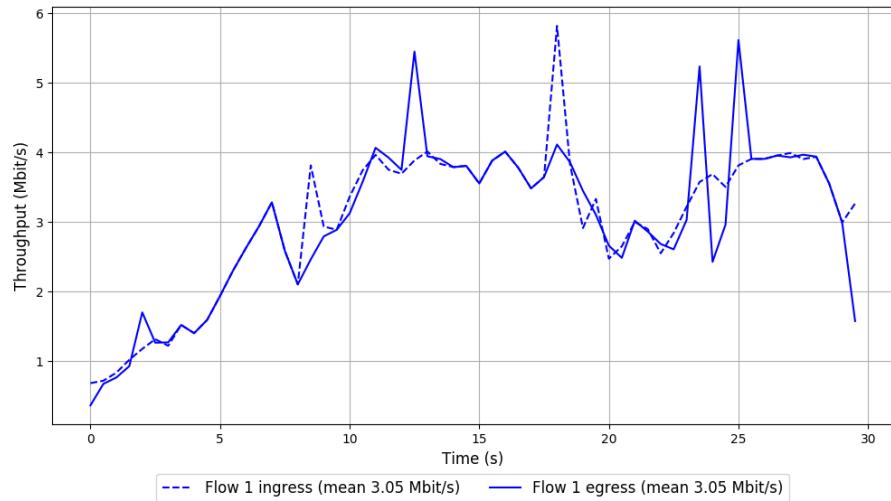
Run 4: Statistics of Sprout

Start at: 2018-02-19 17:38:29

End at: 2018-02-19 17:38:59

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 90.884 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 90.884 ms
Loss rate: 0.93%
```

## Run 4: Report of Sprout — Data Link



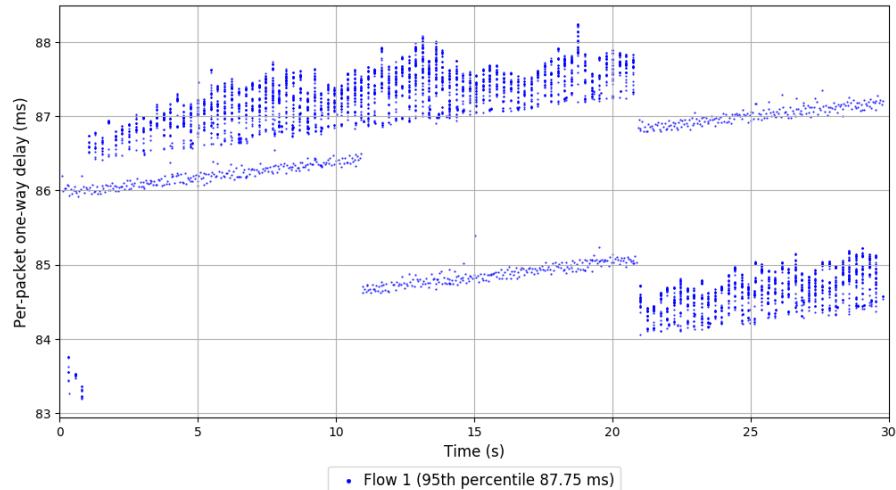
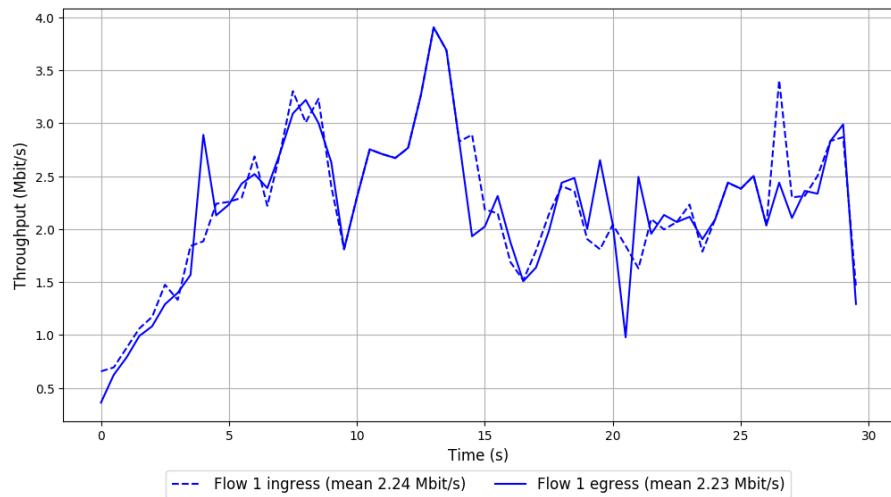
Run 5: Statistics of Sprout

Start at: 2018-02-19 17:54:12

End at: 2018-02-19 17:54:42

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 87.746 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 87.746 ms
Loss rate: 0.99%
```

## Run 5: Report of Sprout — Data Link



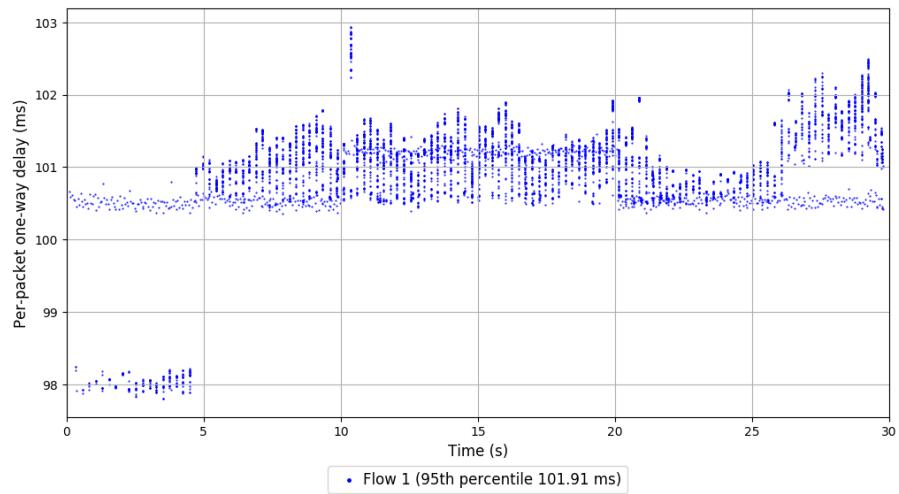
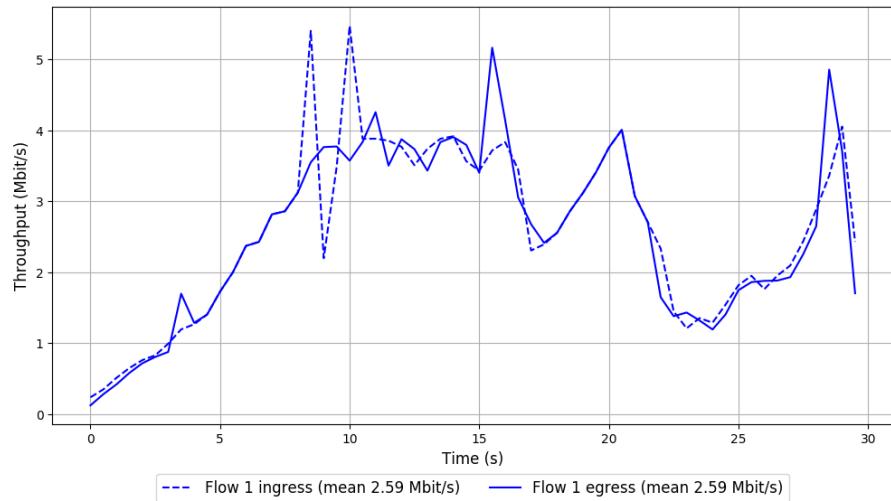
Run 6: Statistics of Sprout

Start at: 2018-02-19 18:09:37

End at: 2018-02-19 18:10:07

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 101.906 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 101.906 ms
Loss rate: 0.70%
```

## Run 6: Report of Sprout — Data Link



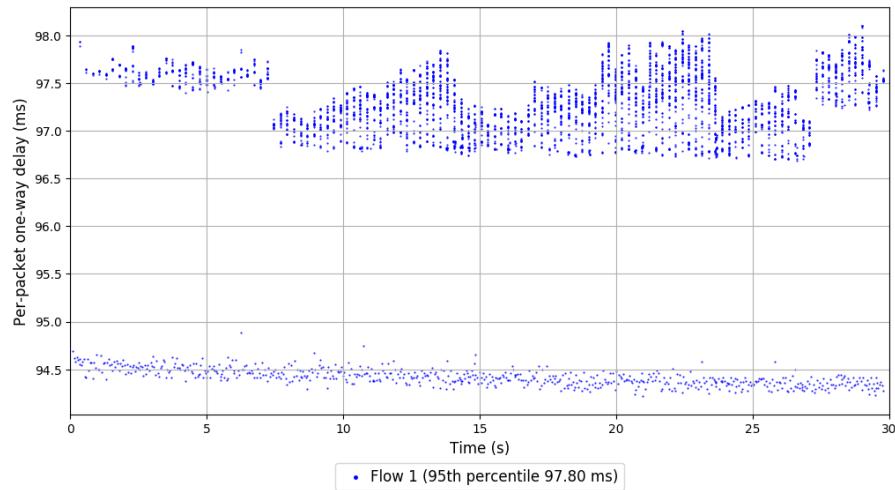
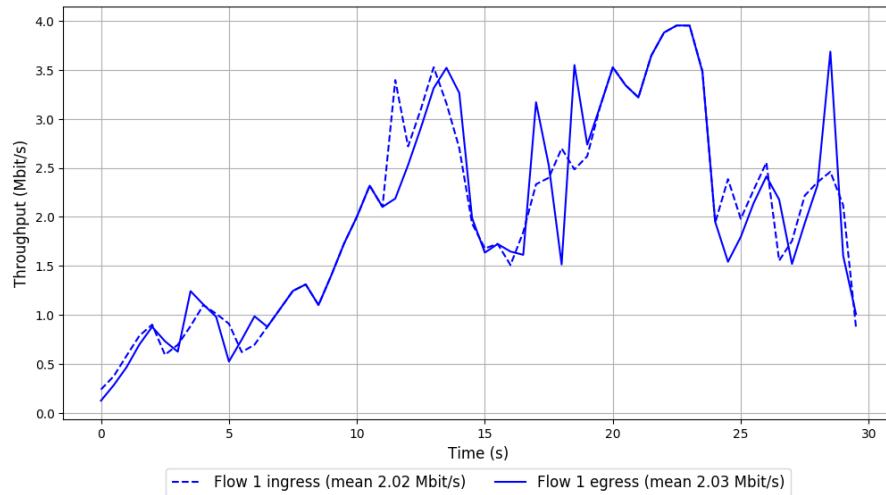
Run 7: Statistics of Sprout

Start at: 2018-02-19 18:26:06

End at: 2018-02-19 18:26:36

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 97.799 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 97.799 ms
Loss rate: 0.32%
```

## Run 7: Report of Sprout — Data Link



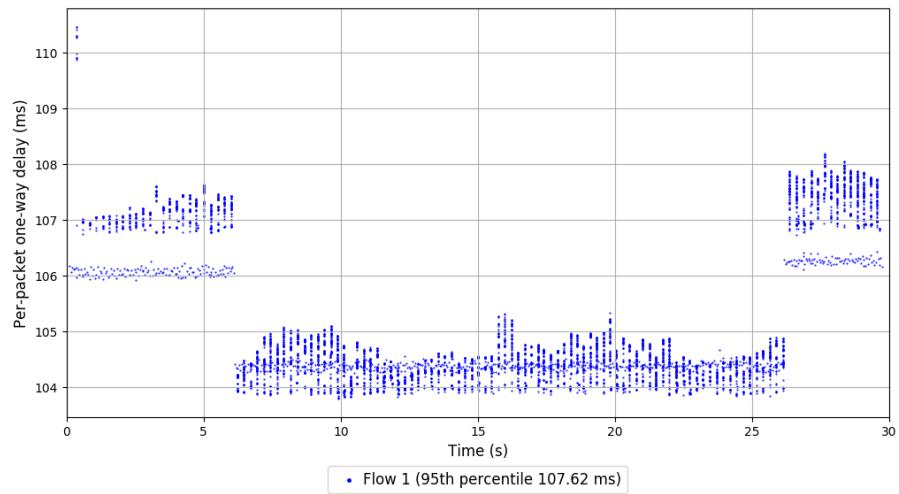
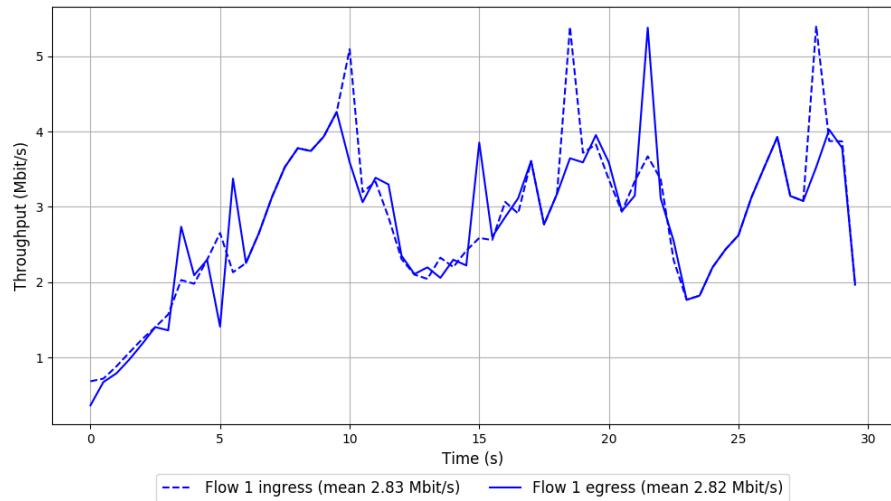
Run 8: Statistics of Sprout

Start at: 2018-02-19 18:42:37

End at: 2018-02-19 18:43:07

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 107.618 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 107.618 ms
Loss rate: 1.06%
```

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



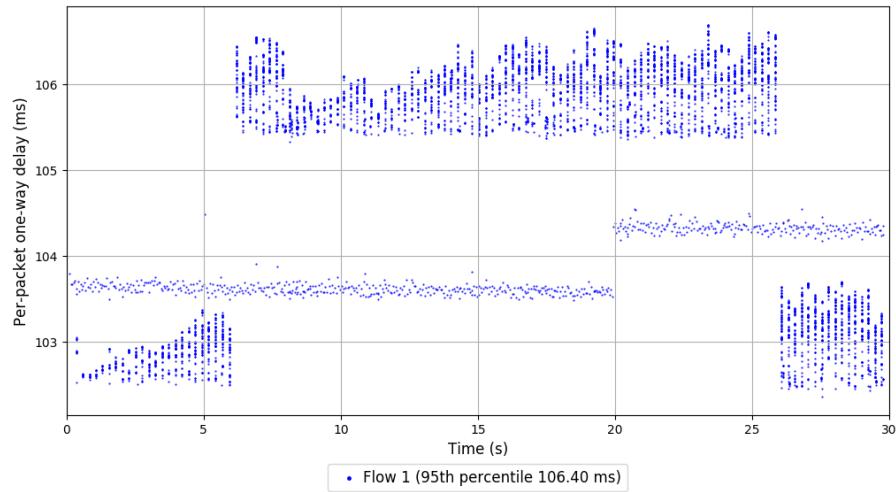
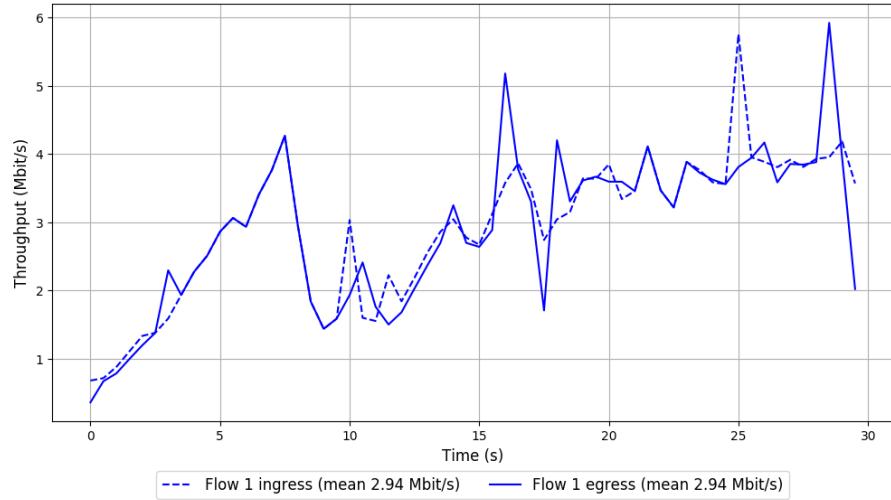
Run 9: Statistics of Sprout

Start at: 2018-02-19 18:58:17

End at: 2018-02-19 18:58:48

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 106.402 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 106.402 ms
Loss rate: 1.02%
```

## Run 9: Report of Sprout — Data Link



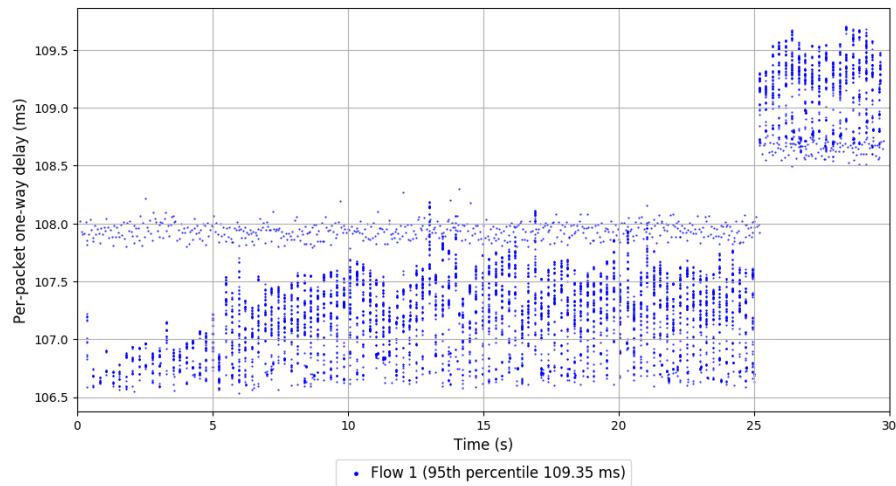
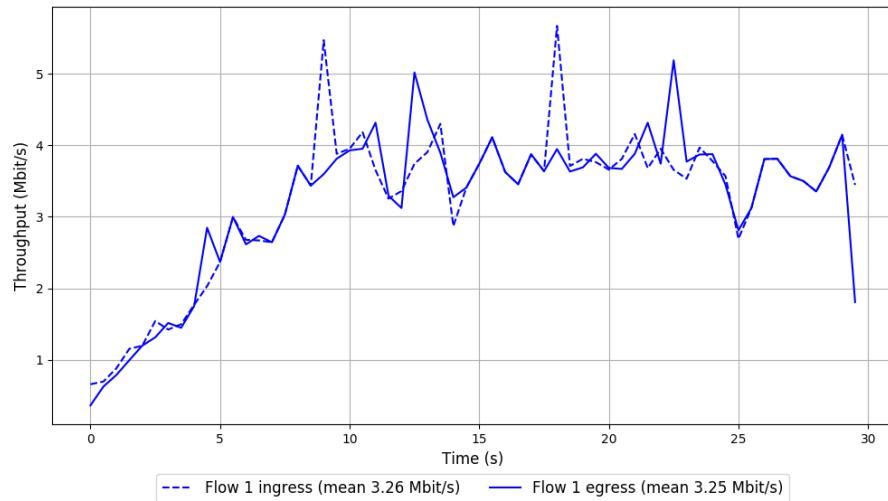
Run 10: Statistics of Sprout

Start at: 2018-02-19 19:13:58

End at: 2018-02-19 19:14:28

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 109.350 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 109.350 ms
Loss rate: 0.84%
```

Run 10: Report of Sprout — Data Link



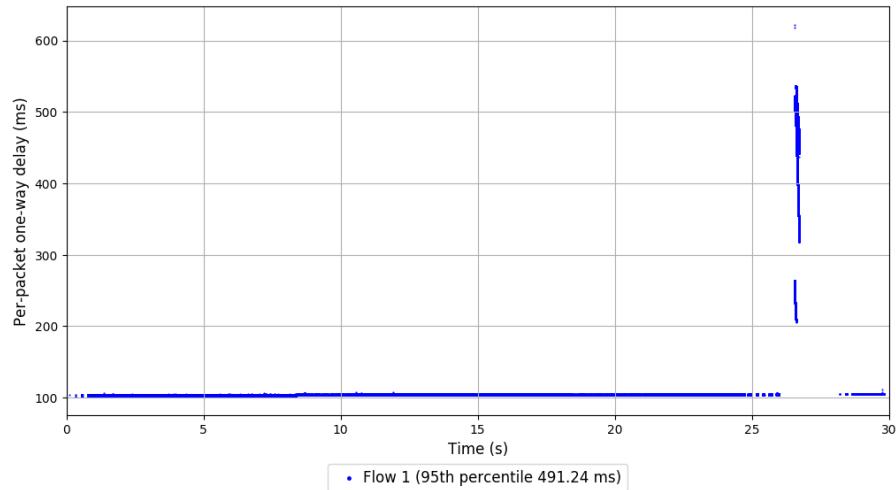
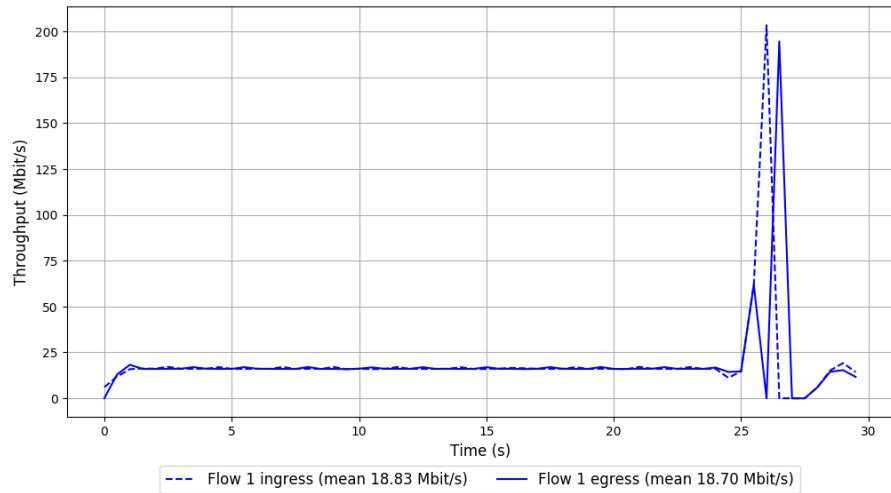
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-19 16:53:05

End at: 2018-02-19 16:53:35

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.70 Mbit/s
95th percentile per-packet one-way delay: 491.236 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 18.70 Mbit/s
95th percentile per-packet one-way delay: 491.236 ms
Loss rate: 1.42%
```

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



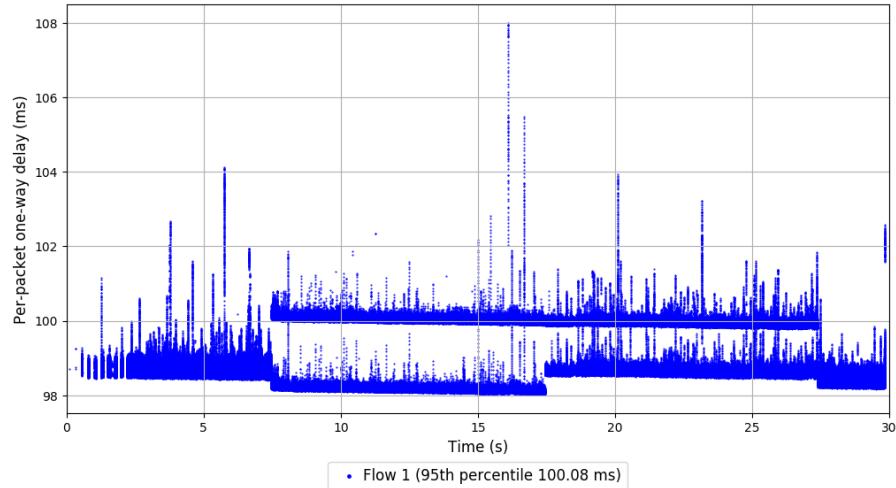
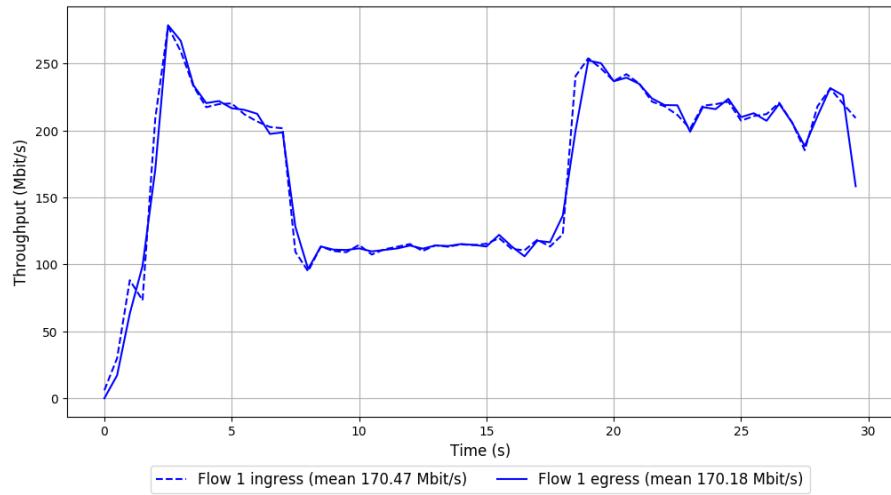
Run 2: Statistics of TaoVA-100x

Start at: 2018-02-19 17:08:26

End at: 2018-02-19 17:08:56

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 170.18 Mbit/s
95th percentile per-packet one-way delay: 100.078 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 170.18 Mbit/s
95th percentile per-packet one-way delay: 100.078 ms
Loss rate: 0.91%
```

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



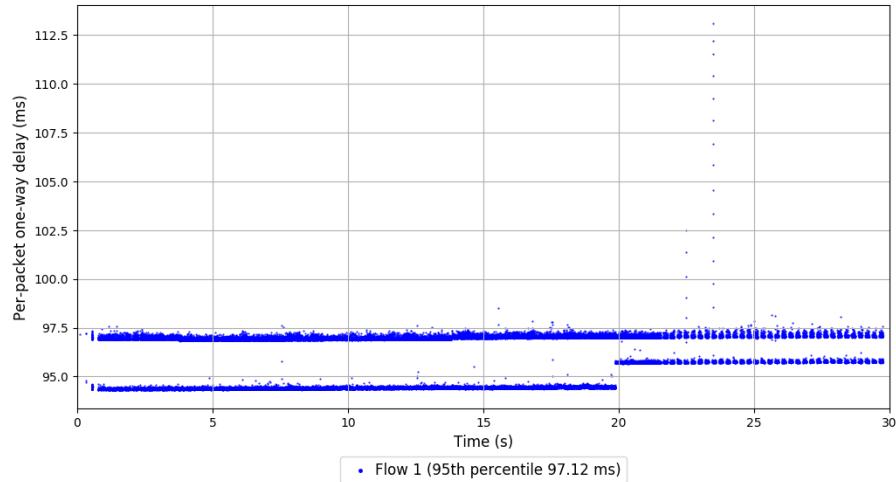
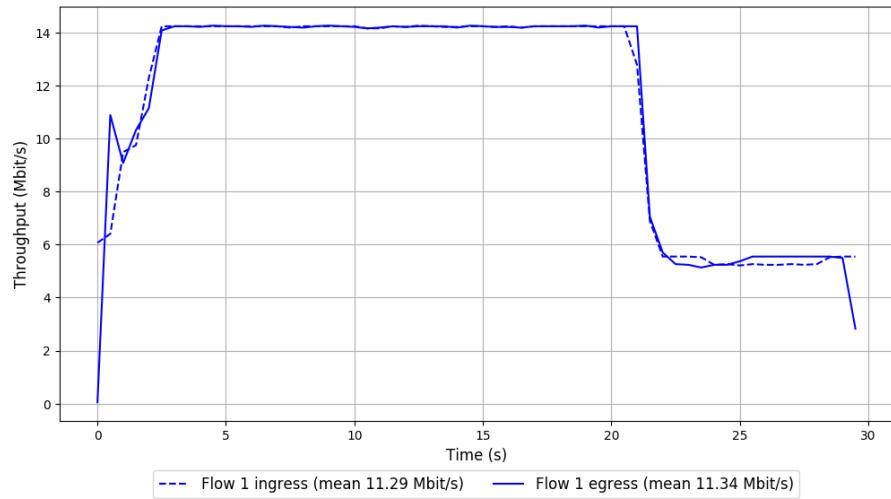
Run 3: Statistics of TaoVA-100x

Start at: 2018-02-19 17:24:24

End at: 2018-02-19 17:24:54

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.34 Mbit/s
95th percentile per-packet one-way delay: 97.117 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 11.34 Mbit/s
95th percentile per-packet one-way delay: 97.117 ms
Loss rate: 0.41%
```

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



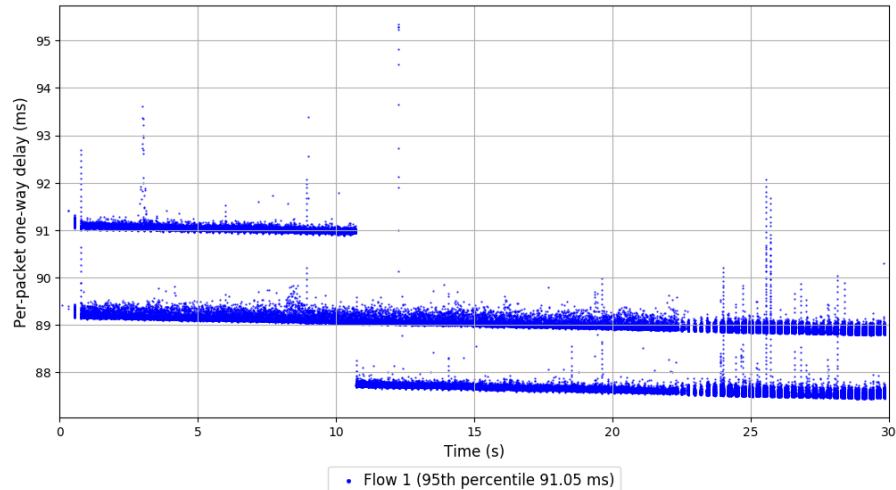
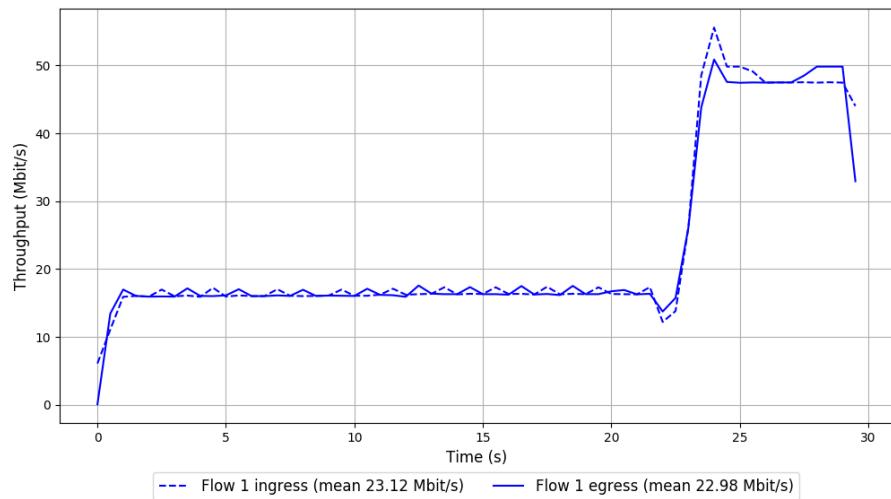
Run 4: Statistics of TaoVA-100x

Start at: 2018-02-19 17:40:13

End at: 2018-02-19 17:40:43

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.98 Mbit/s
95th percentile per-packet one-way delay: 91.047 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 22.98 Mbit/s
95th percentile per-packet one-way delay: 91.047 ms
Loss rate: 1.36%
```

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



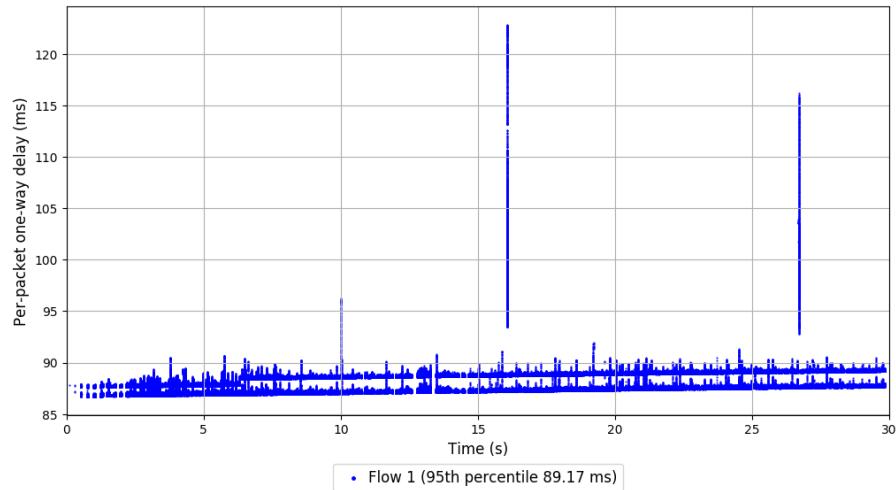
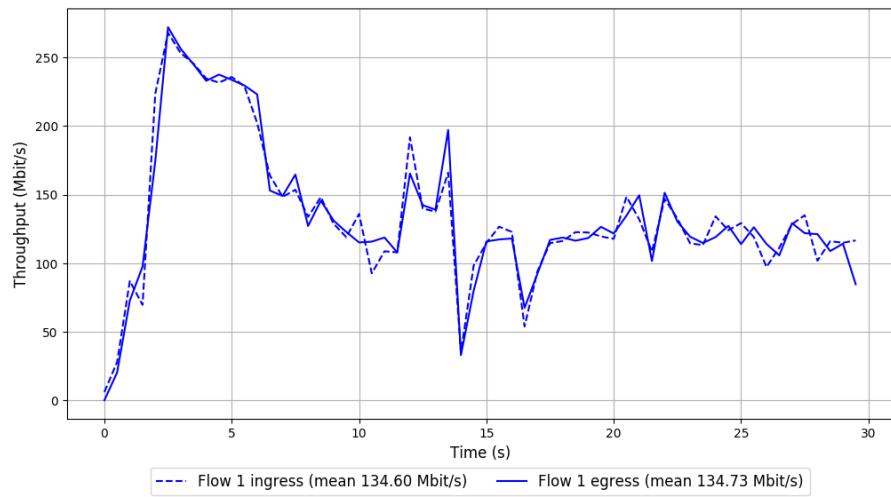
Run 5: Statistics of TaoVA-100x

Start at: 2018-02-19 17:55:47

End at: 2018-02-19 17:56:17

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.73 Mbit/s
95th percentile per-packet one-way delay: 89.172 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 134.73 Mbit/s
95th percentile per-packet one-way delay: 89.172 ms
Loss rate: 0.65%
```

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



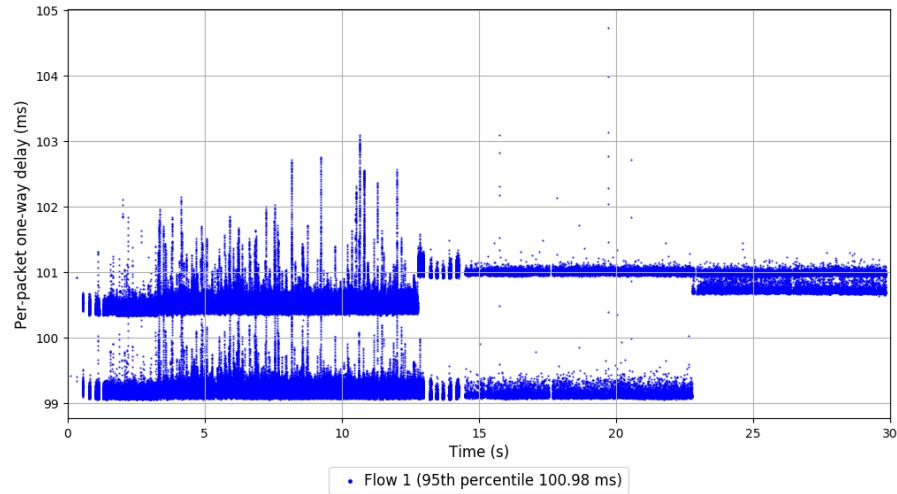
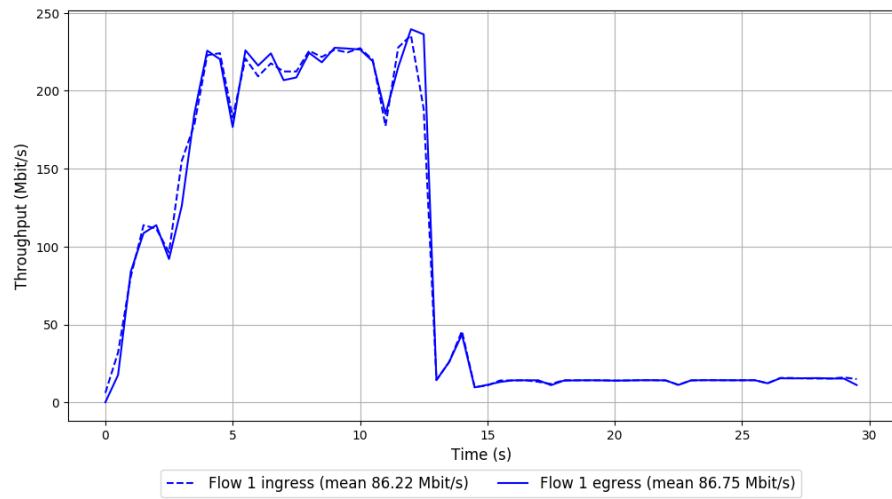
Run 6: Statistics of TaoVA-100x

Start at: 2018-02-19 18:11:11

End at: 2018-02-19 18:11:41

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 100.976 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 100.976 ms
Loss rate: 0.14%
```

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



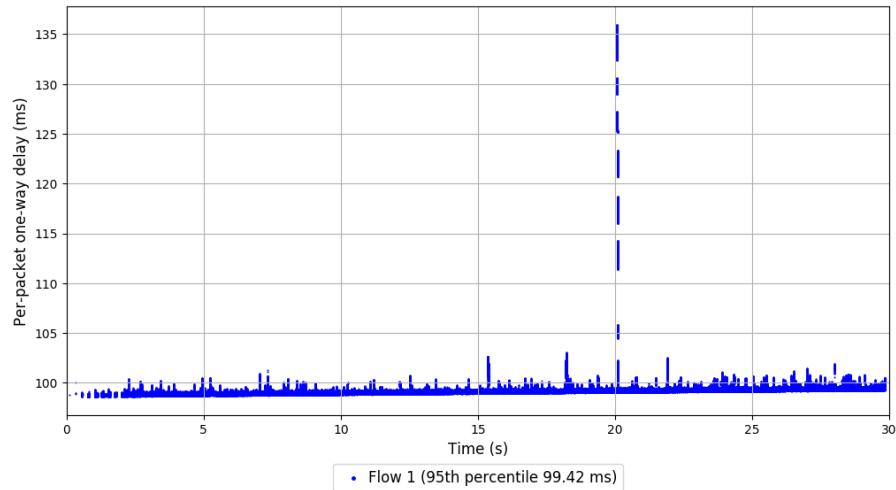
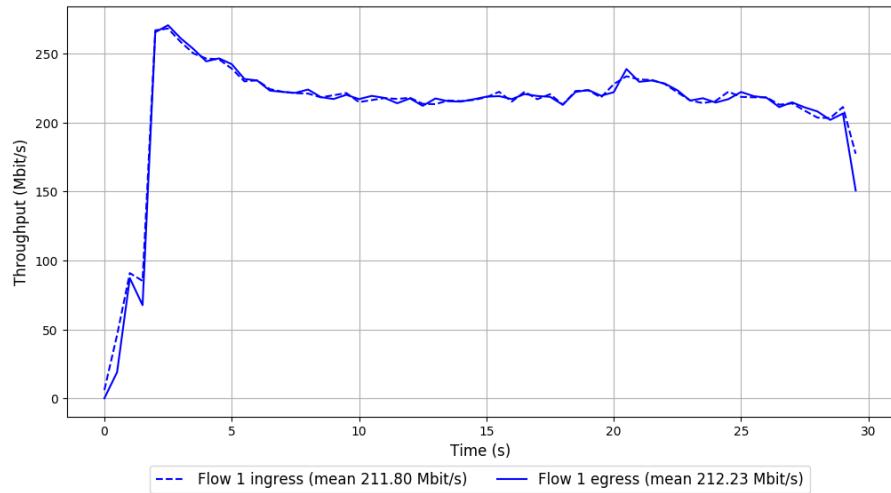
Run 7: Statistics of TaoVA-100x

Start at: 2018-02-19 18:27:37

End at: 2018-02-19 18:28:07

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.23 Mbit/s
95th percentile per-packet one-way delay: 99.424 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 212.23 Mbit/s
95th percentile per-packet one-way delay: 99.424 ms
Loss rate: 0.55%
```

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



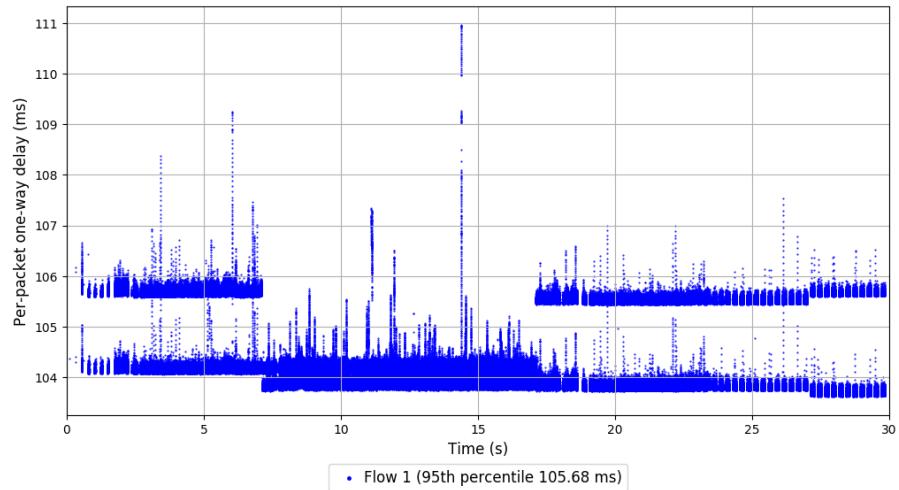
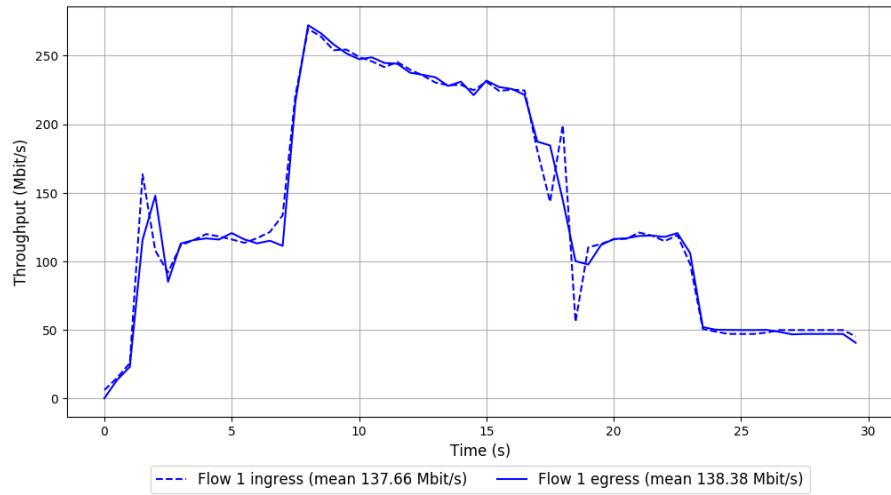
Run 8: Statistics of TaoVA-100x

Start at: 2018-02-19 18:44:06

End at: 2018-02-19 18:44:36

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 138.38 Mbit/s
95th percentile per-packet one-way delay: 105.683 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 138.38 Mbit/s
95th percentile per-packet one-way delay: 105.683 ms
Loss rate: 0.25%
```

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



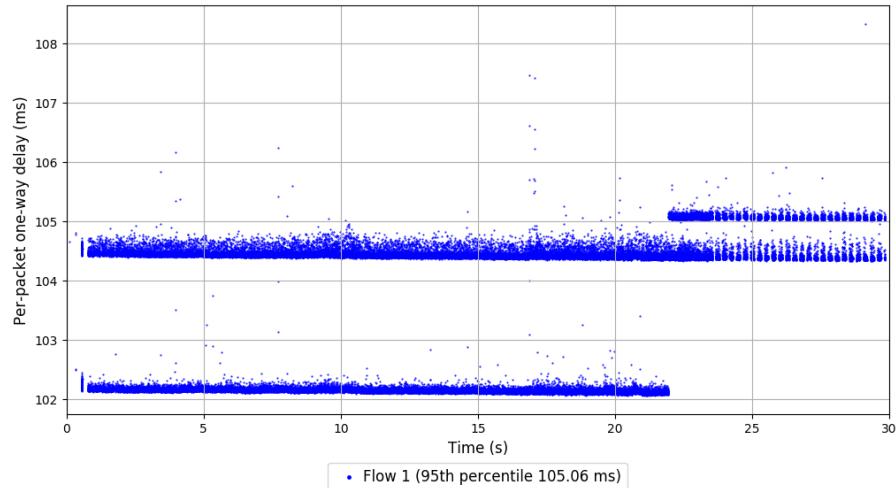
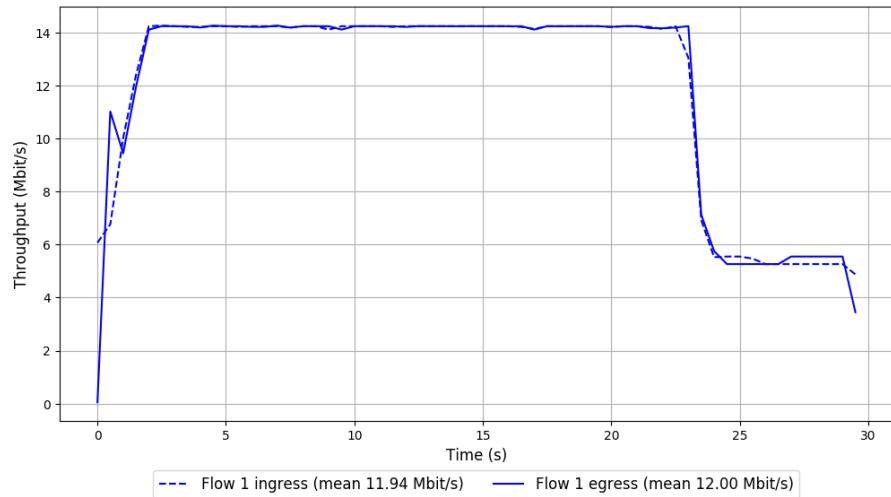
Run 9: Statistics of TaoVA-100x

Start at: 2018-02-19 18:59:52

End at: 2018-02-19 19:00:22

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 105.056 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 105.056 ms
Loss rate: 0.30%
```

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



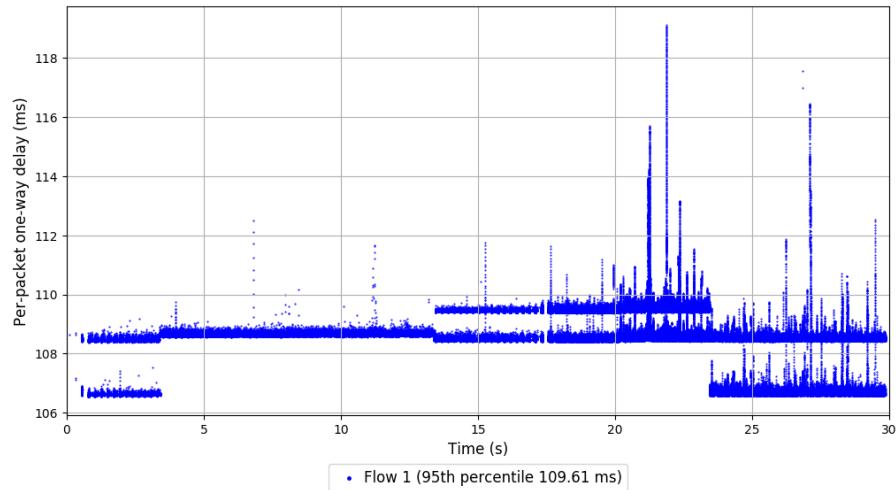
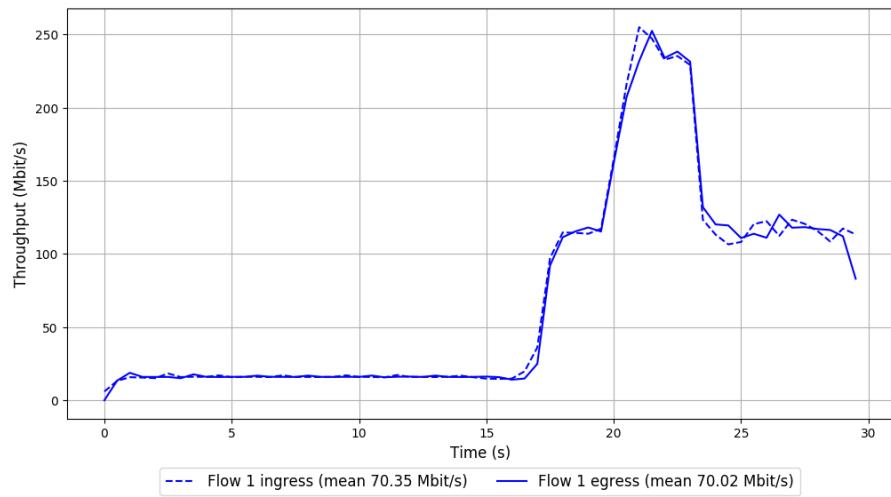
Run 10: Statistics of TaoVA-100x

Start at: 2018-02-19 19:15:30

End at: 2018-02-19 19:16:00

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 109.611 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 109.611 ms
Loss rate: 1.23%
```

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



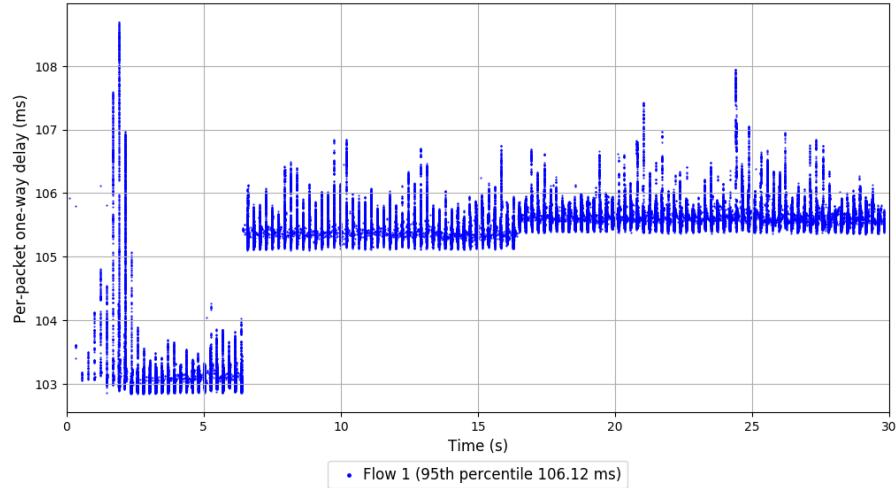
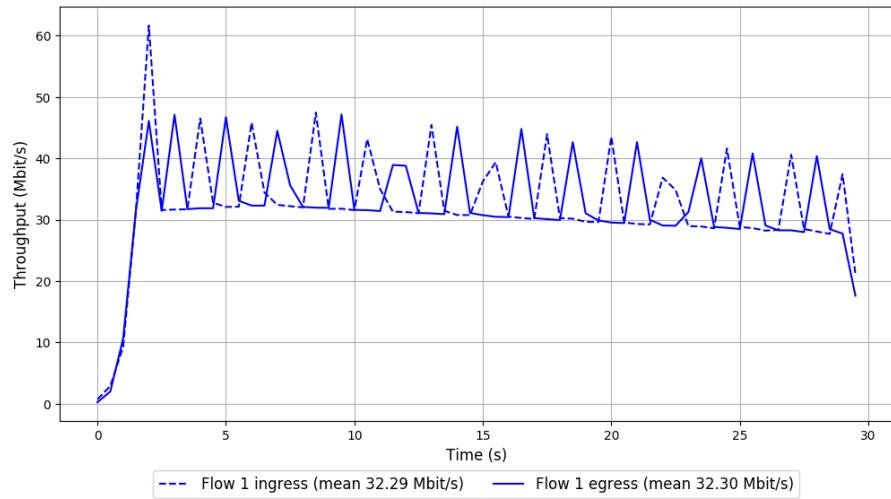
Run 1: Statistics of TCP Vegas

Start at: 2018-02-19 16:54:37

End at: 2018-02-19 16:55:07

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 106.119 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 106.119 ms
Loss rate: 0.71%
```

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



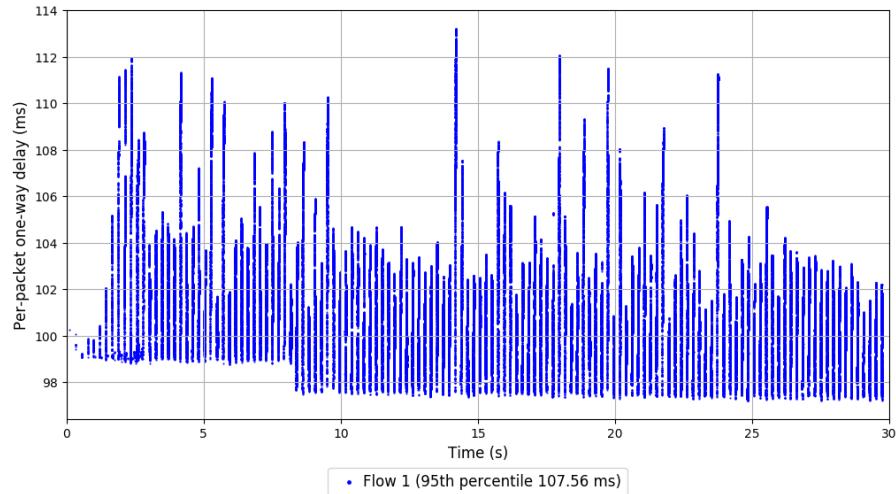
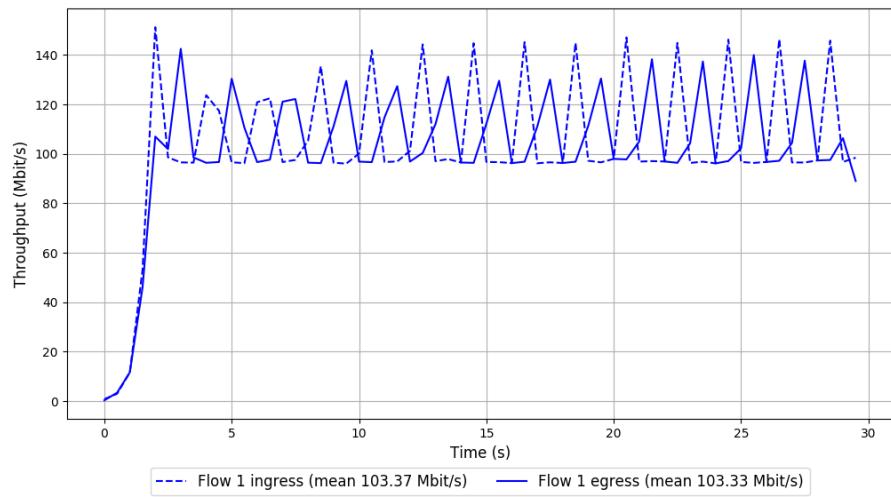
Run 2: Statistics of TCP Vegas

Start at: 2018-02-19 17:10:15

End at: 2018-02-19 17:10:45

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 103.33 Mbit/s
95th percentile per-packet one-way delay: 107.555 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 103.33 Mbit/s
95th percentile per-packet one-way delay: 107.555 ms
Loss rate: 0.78%
```

Run 2: Report of TCP Vegas — Data Link



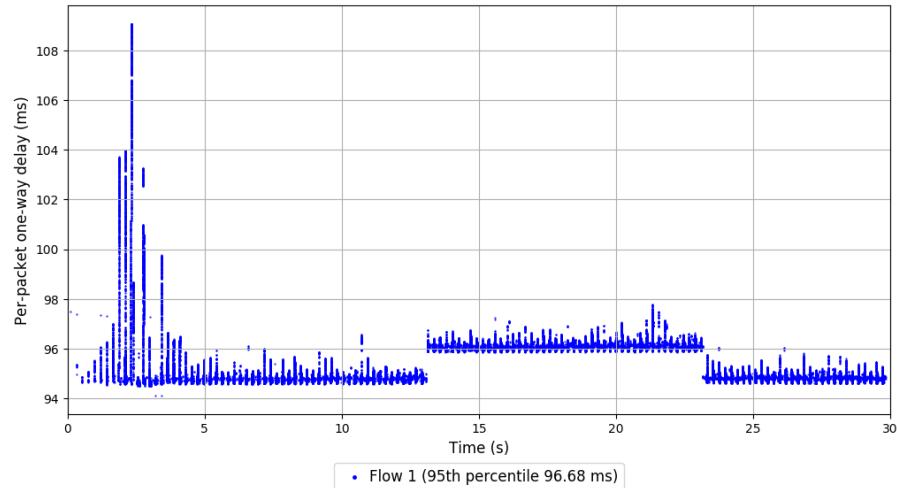
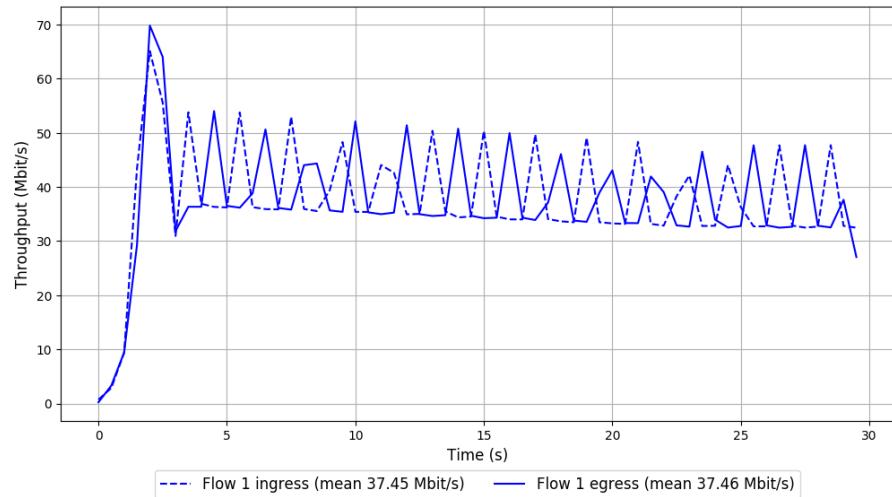
Run 3: Statistics of TCP Vegas

Start at: 2018-02-19 17:26:00

End at: 2018-02-19 17:26:30

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 96.678 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 96.678 ms
Loss rate: 0.72%
```

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



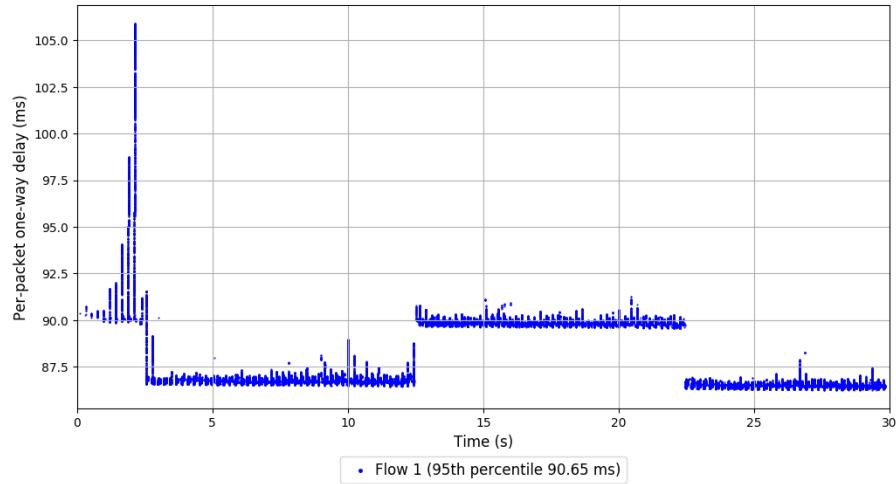
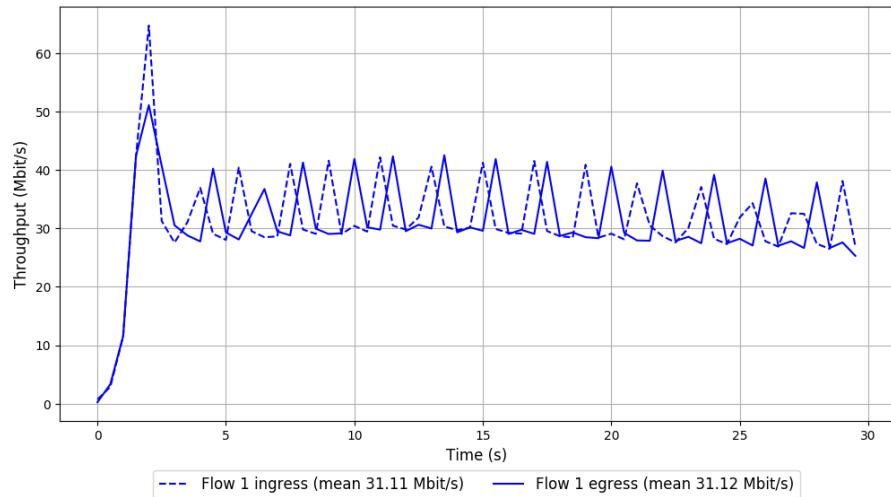
Run 4: Statistics of TCP Vegas

Start at: 2018-02-19 17:41:51

End at: 2018-02-19 17:42:21

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 90.647 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 90.647 ms
Loss rate: 0.71%
```

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



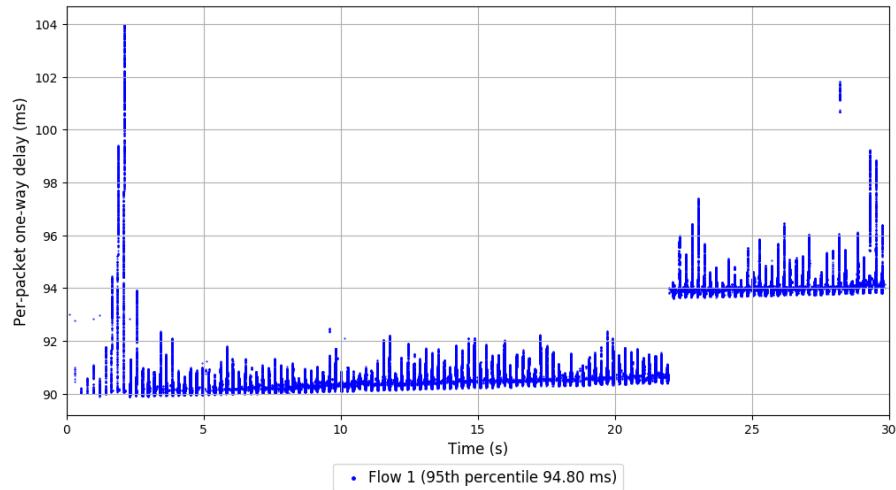
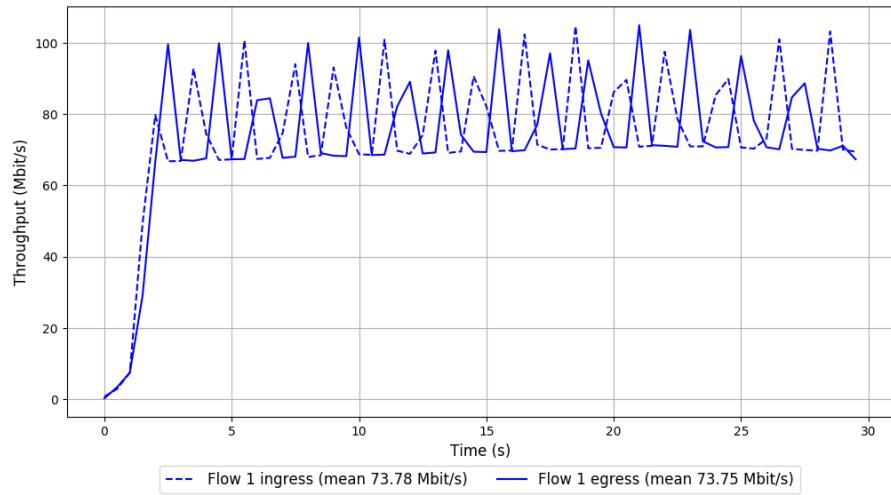
Run 5: Statistics of TCP Vegas

Start at: 2018-02-19 17:57:32

End at: 2018-02-19 17:58:02

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.75 Mbit/s
95th percentile per-packet one-way delay: 94.798 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 73.75 Mbit/s
95th percentile per-packet one-way delay: 94.798 ms
Loss rate: 0.78%
```

Run 5: Report of TCP Vegas — Data Link



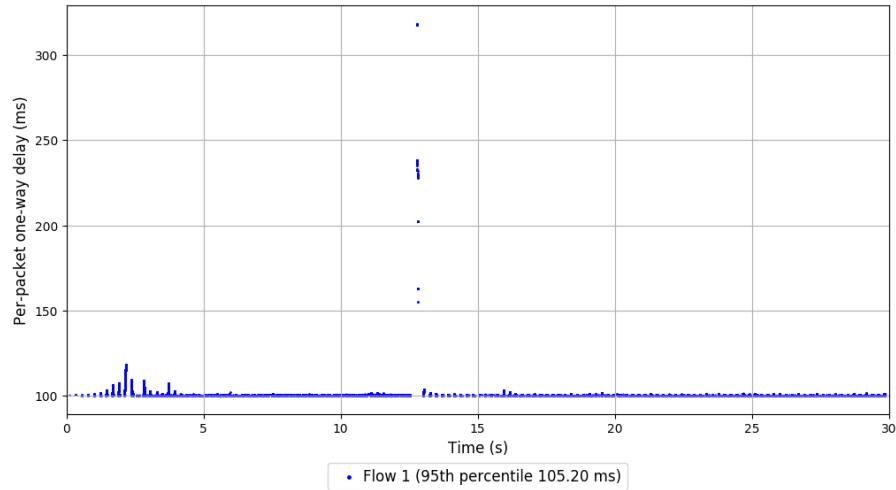
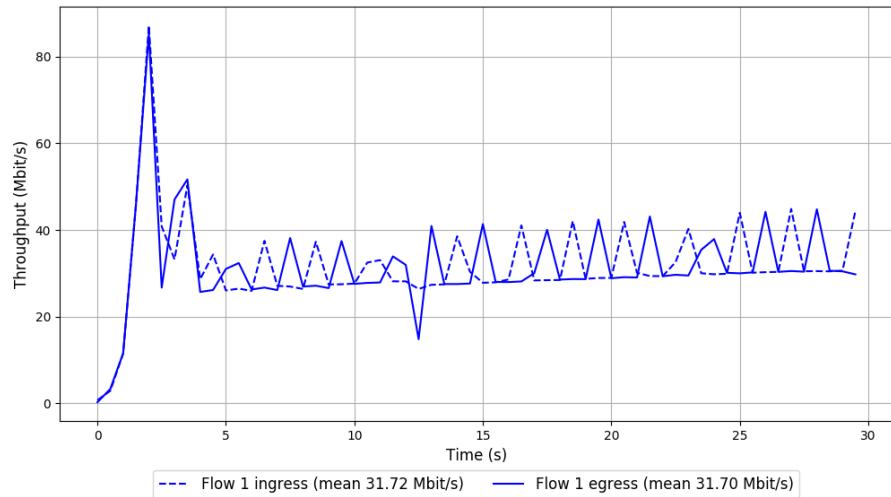
Run 6: Statistics of TCP Vegas

Start at: 2018-02-19 18:12:52

End at: 2018-02-19 18:13:22

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 105.199 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 105.199 ms
Loss rate: 0.80%
```

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



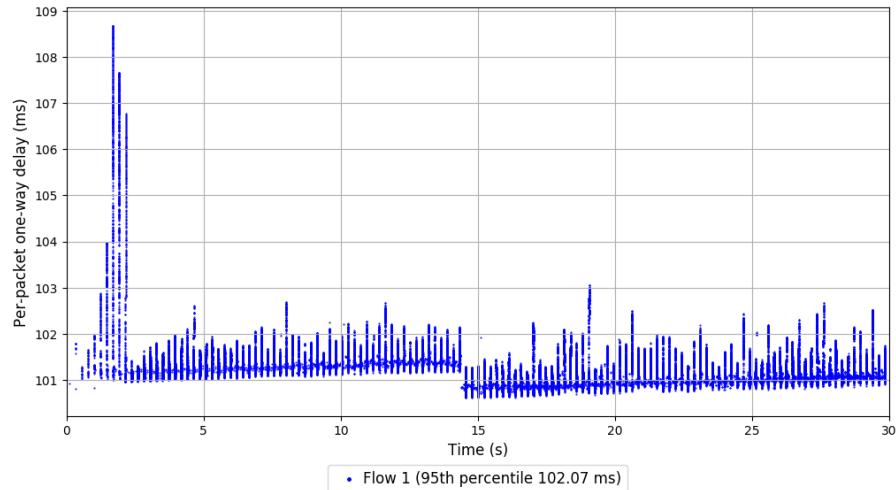
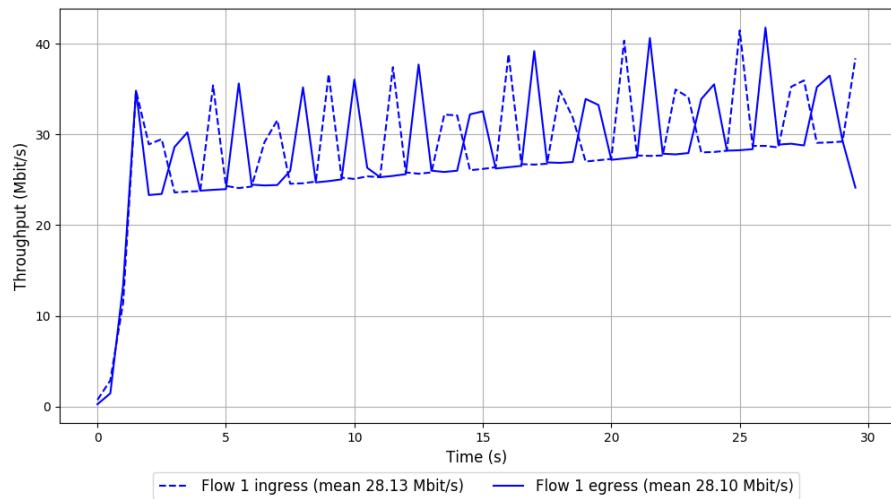
Run 7: Statistics of TCP Vegas

Start at: 2018-02-19 18:29:29

End at: 2018-02-19 18:29:59

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.10 Mbit/s
95th percentile per-packet one-way delay: 102.074 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 28.10 Mbit/s
95th percentile per-packet one-way delay: 102.074 ms
Loss rate: 0.87%
```

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



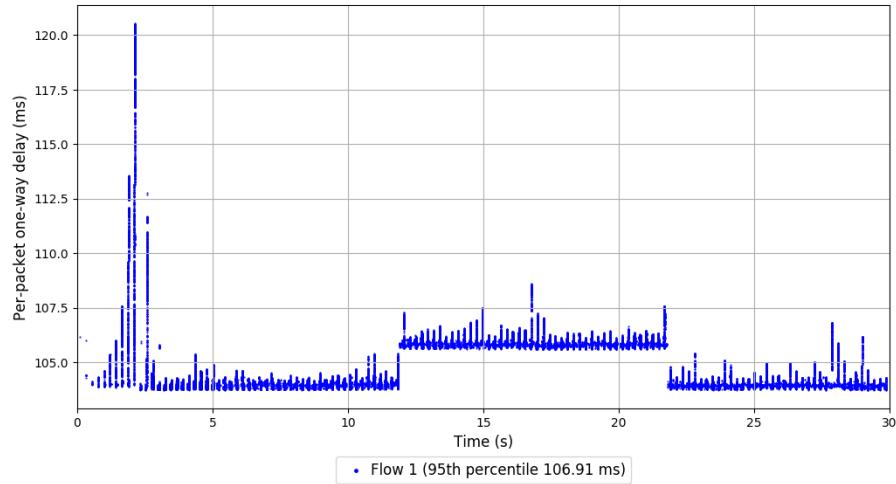
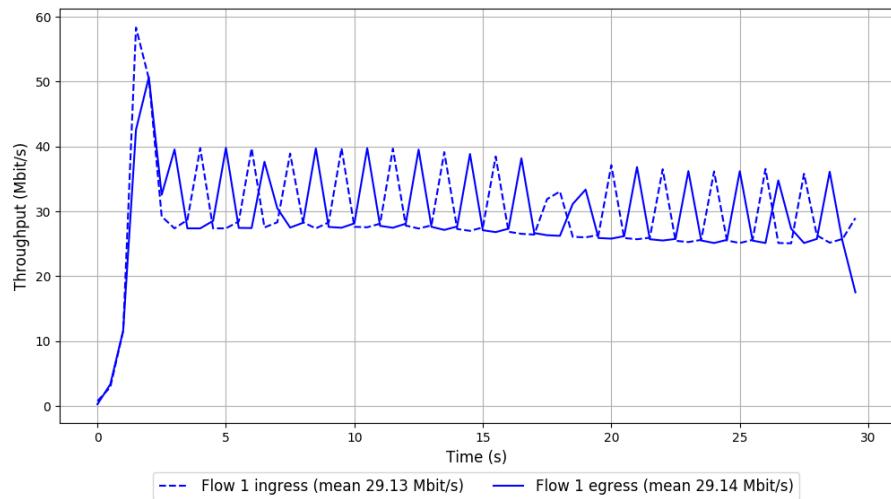
Run 8: Statistics of TCP Vegas

Start at: 2018-02-19 18:45:52

End at: 2018-02-19 18:46:22

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.14 Mbit/s
95th percentile per-packet one-way delay: 106.911 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 29.14 Mbit/s
95th percentile per-packet one-way delay: 106.911 ms
Loss rate: 0.71%
```

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



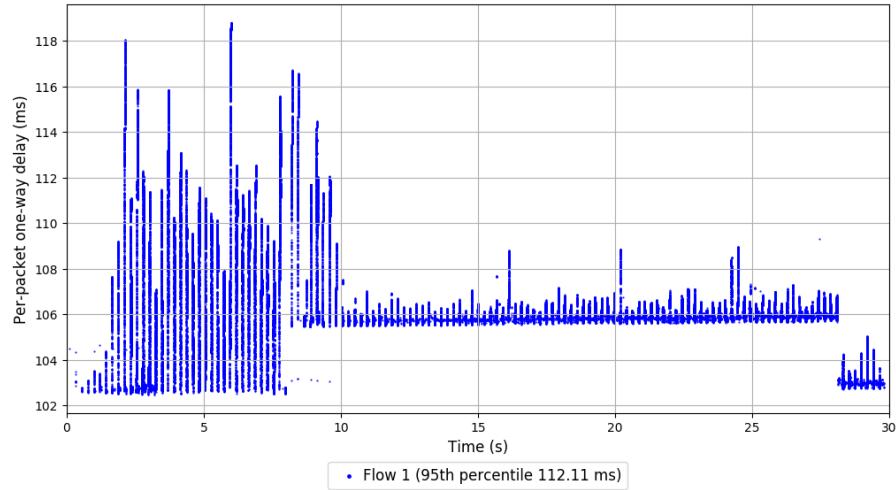
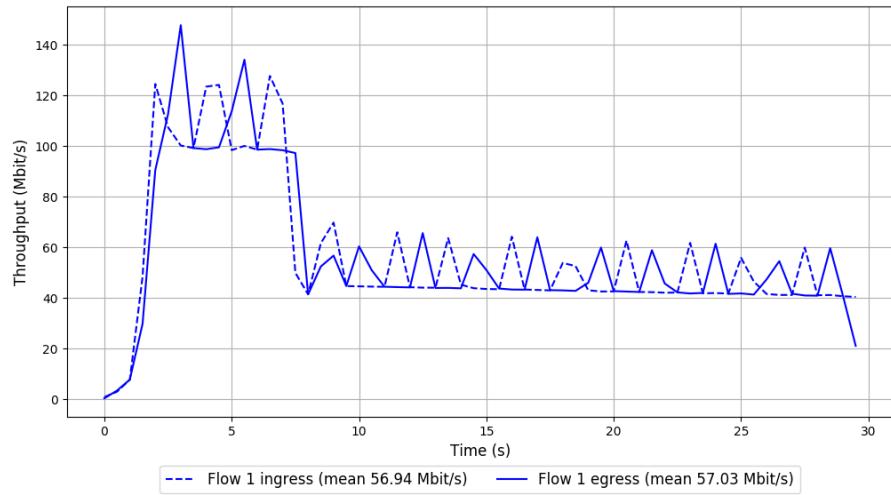
Run 9: Statistics of TCP Vegas

Start at: 2018-02-19 19:01:25

End at: 2018-02-19 19:01:55

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 112.108 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 112.108 ms
Loss rate: 0.59%
```

Run 9: Report of TCP Vegas — Data Link



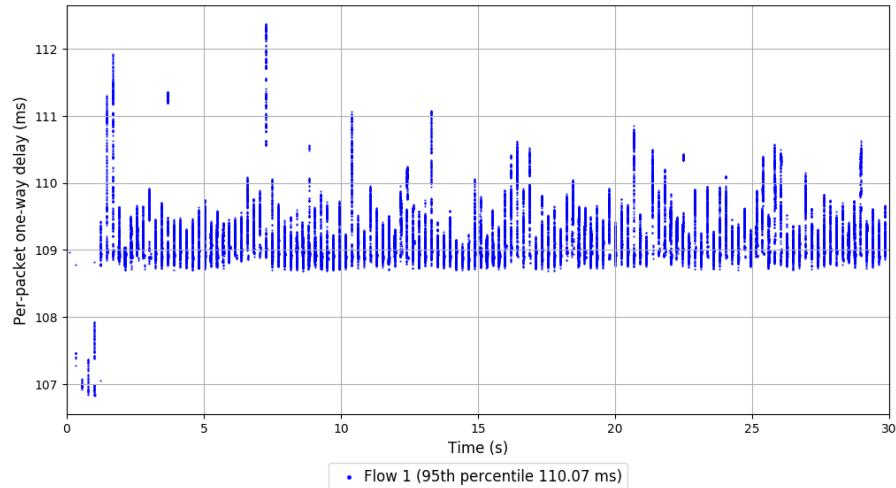
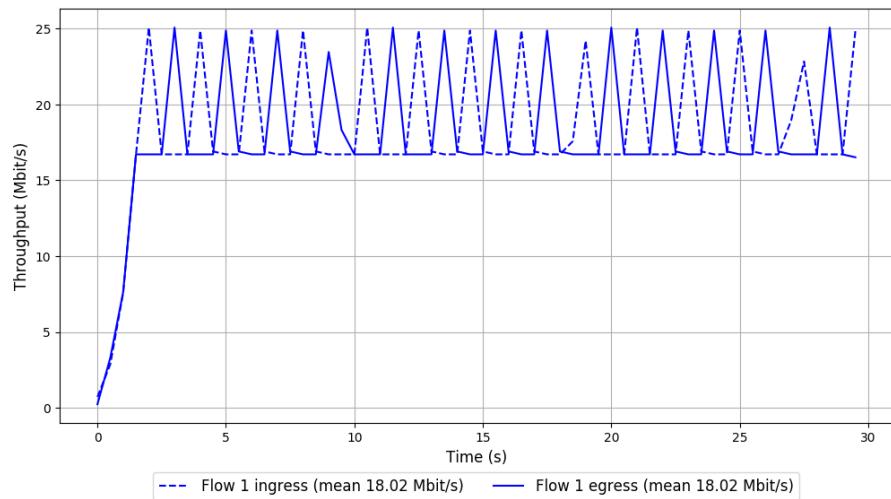
Run 10: Statistics of TCP Vegas

Start at: 2018-02-19 19:17:12

End at: 2018-02-19 19:17:42

```
# Below is generated by plot.py at 2018-02-19 22:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.02 Mbit/s
95th percentile per-packet one-way delay: 110.069 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 18.02 Mbit/s
95th percentile per-packet one-way delay: 110.069 ms
Loss rate: 0.77%
```

Run 10: Report of TCP Vegas — Data Link



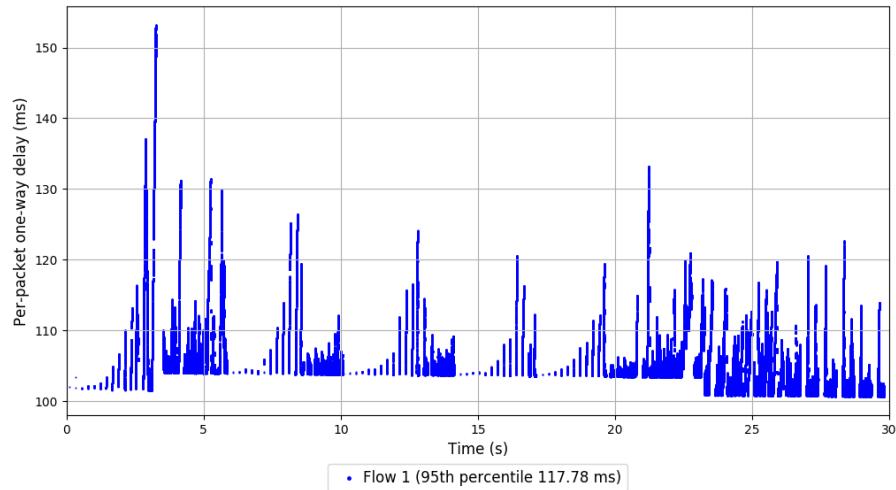
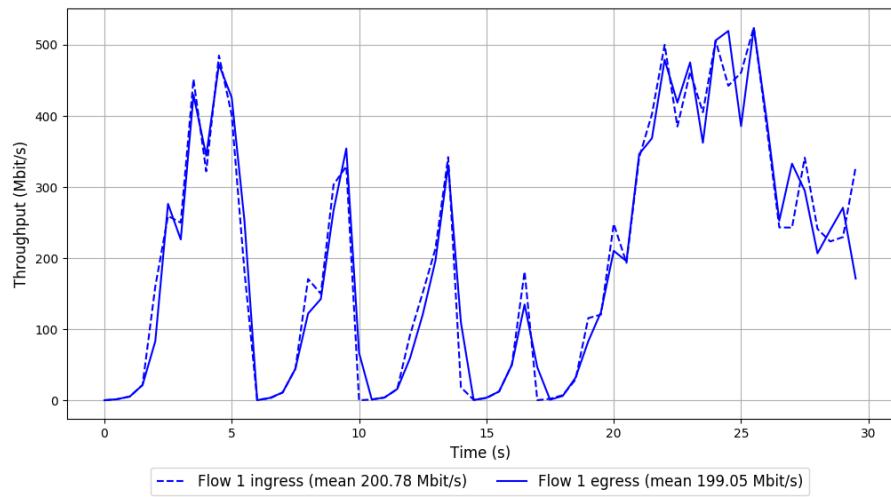
Run 1: Statistics of Verus

Start at: 2018-02-19 16:52:10

End at: 2018-02-19 16:52:40

```
# Below is generated by plot.py at 2018-02-19 22:32:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.05 Mbit/s
95th percentile per-packet one-way delay: 117.776 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 199.05 Mbit/s
95th percentile per-packet one-way delay: 117.776 ms
Loss rate: 1.50%
```

Run 1: Report of Verus — Data Link



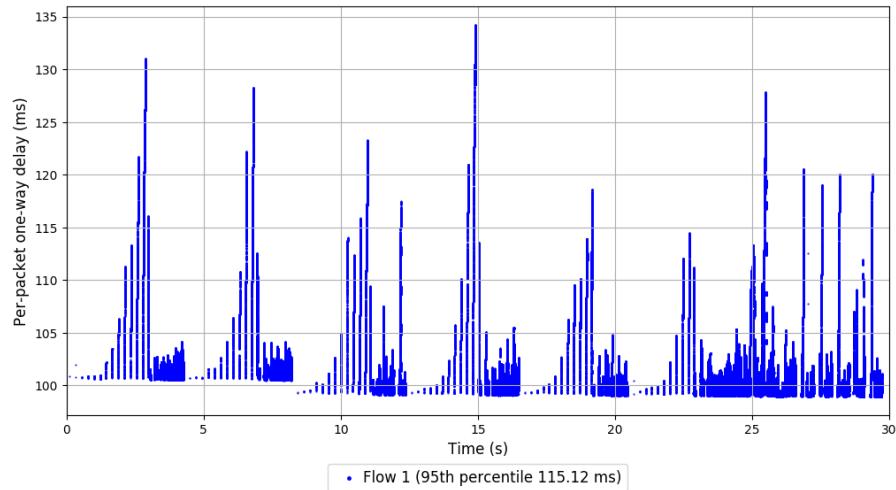
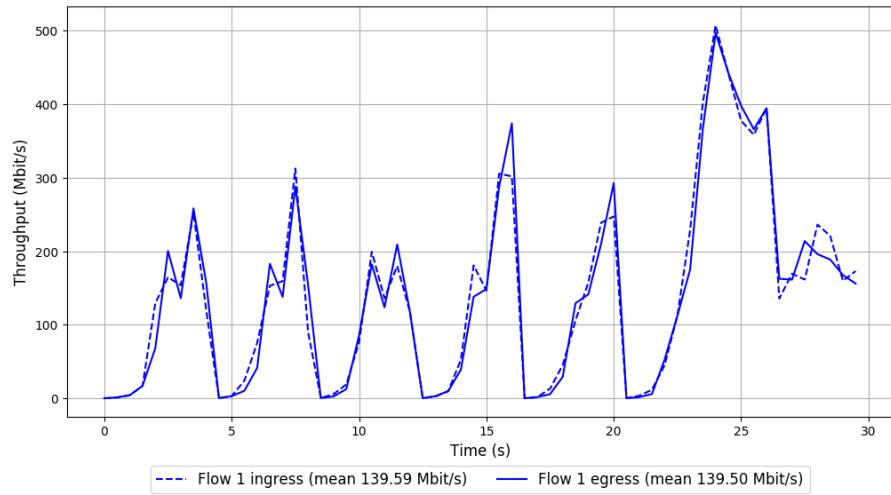
Run 2: Statistics of Verus

Start at: 2018-02-19 17:07:35

End at: 2018-02-19 17:08:05

```
# Below is generated by plot.py at 2018-02-19 22:32:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 139.50 Mbit/s
95th percentile per-packet one-way delay: 115.117 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 139.50 Mbit/s
95th percentile per-packet one-way delay: 115.117 ms
Loss rate: 0.98%
```

## Run 2: Report of Verus — Data Link



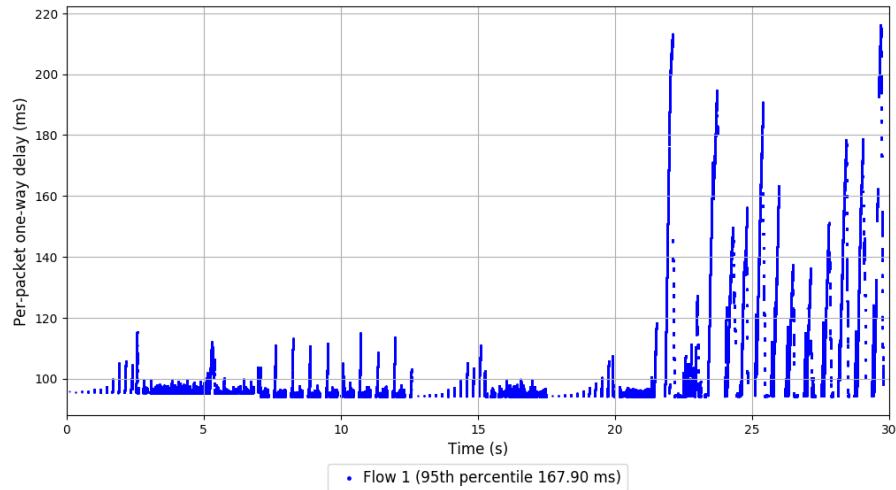
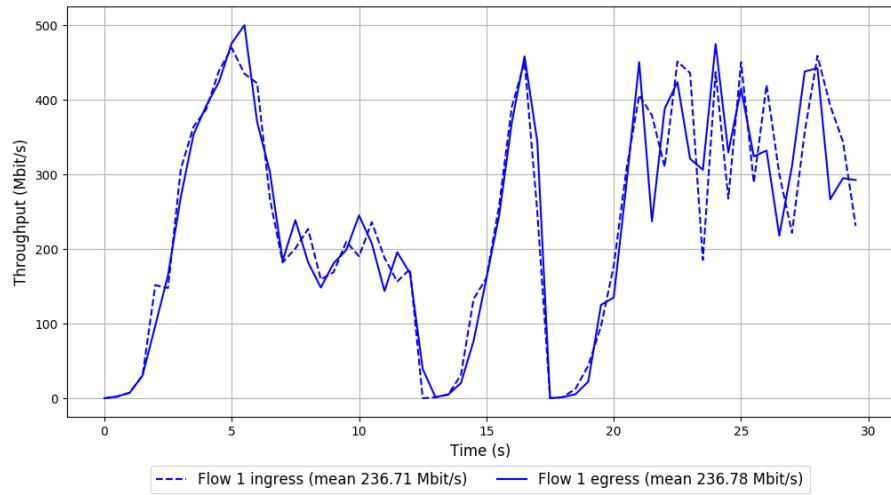
Run 3: Statistics of Verus

Start at: 2018-02-19 17:23:26

End at: 2018-02-19 17:23:56

```
# Below is generated by plot.py at 2018-02-19 22:33:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 236.78 Mbit/s
95th percentile per-packet one-way delay: 167.900 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 236.78 Mbit/s
95th percentile per-packet one-way delay: 167.900 ms
Loss rate: 0.94%
```

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



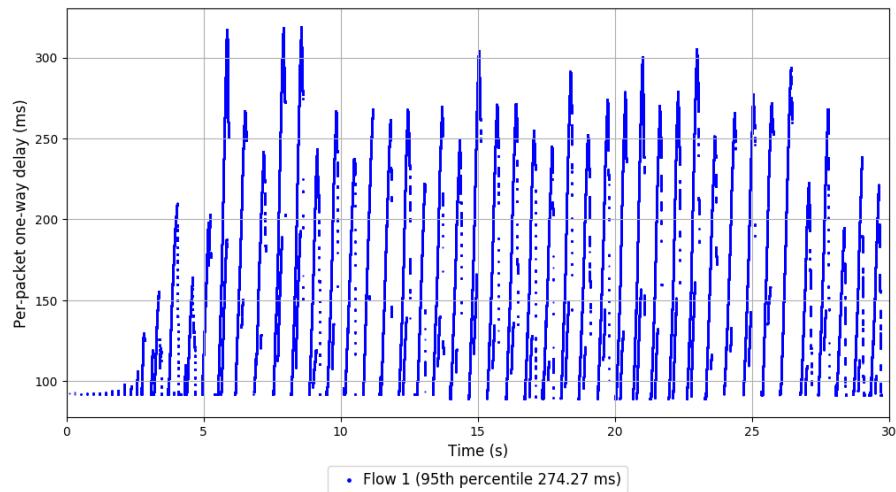
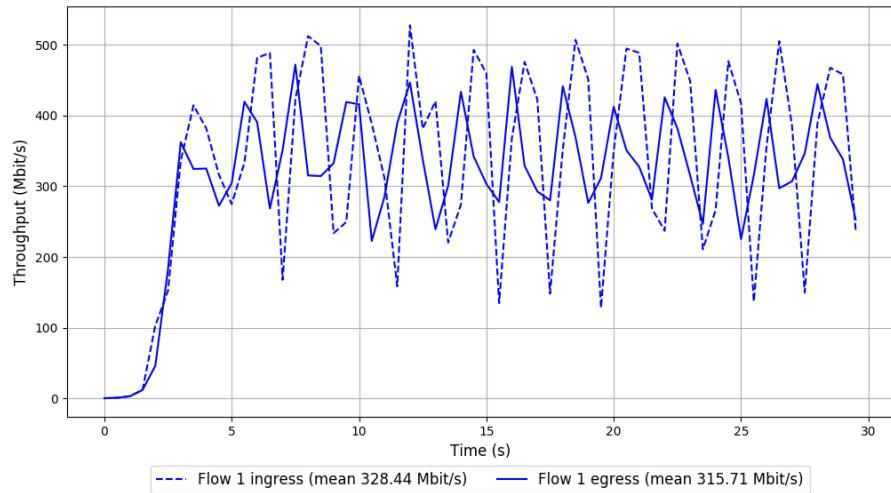
Run 4: Statistics of Verus

Start at: 2018-02-19 17:39:10

End at: 2018-02-19 17:39:40

```
# Below is generated by plot.py at 2018-02-19 22:34:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 315.71 Mbit/s
95th percentile per-packet one-way delay: 274.272 ms
Loss rate: 5.02%
-- Flow 1:
Average throughput: 315.71 Mbit/s
95th percentile per-packet one-way delay: 274.272 ms
Loss rate: 5.02%
```

## Run 4: Report of Verus — Data Link



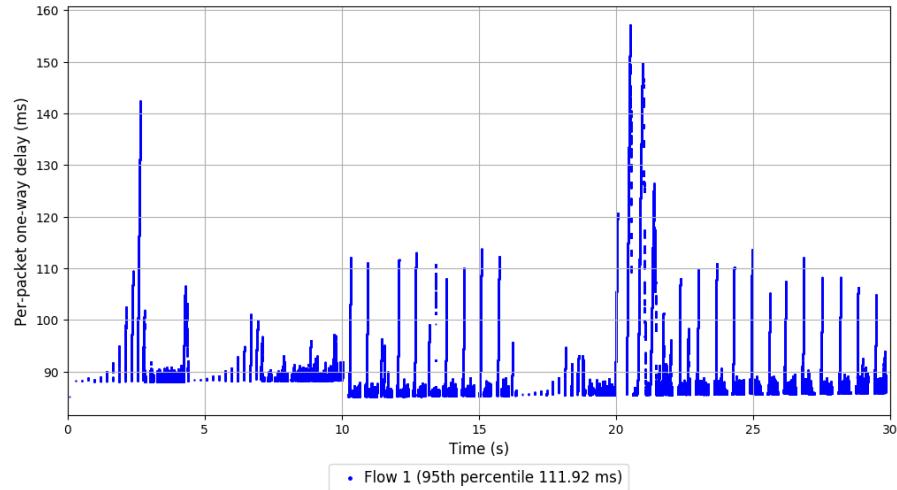
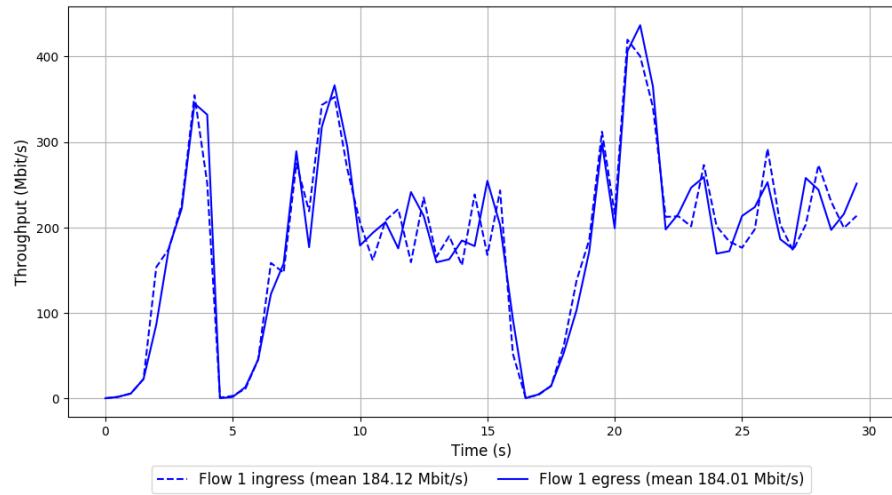
Run 5: Statistics of Verus

Start at: 2018-02-19 17:54:53

End at: 2018-02-19 17:55:23

```
# Below is generated by plot.py at 2018-02-19 22:34:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 184.01 Mbit/s
95th percentile per-packet one-way delay: 111.916 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 184.01 Mbit/s
95th percentile per-packet one-way delay: 111.916 ms
Loss rate: 0.07%
```

Run 5: Report of Verus — Data Link



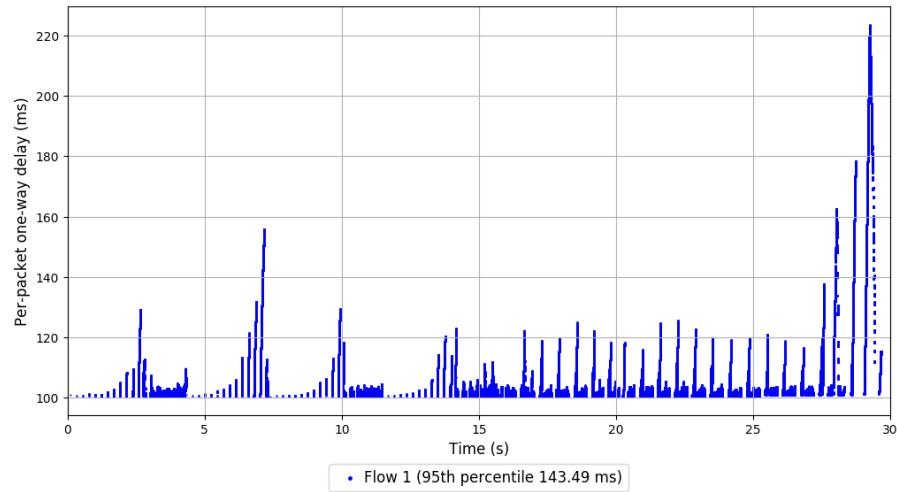
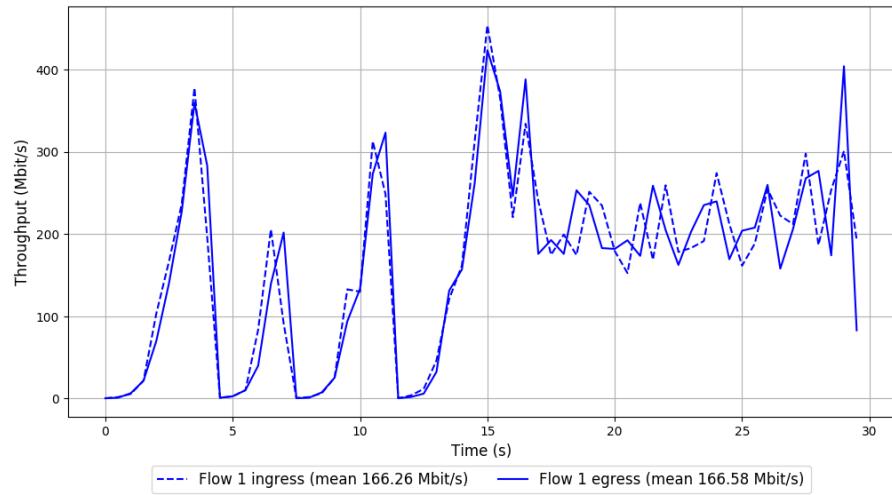
Run 6: Statistics of Verus

Start at: 2018-02-19 18:10:18

End at: 2018-02-19 18:10:48

```
# Below is generated by plot.py at 2018-02-19 22:34:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 166.58 Mbit/s
95th percentile per-packet one-way delay: 143.487 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 166.58 Mbit/s
95th percentile per-packet one-way delay: 143.487 ms
Loss rate: 1.14%
```

## Run 6: Report of Verus — Data Link



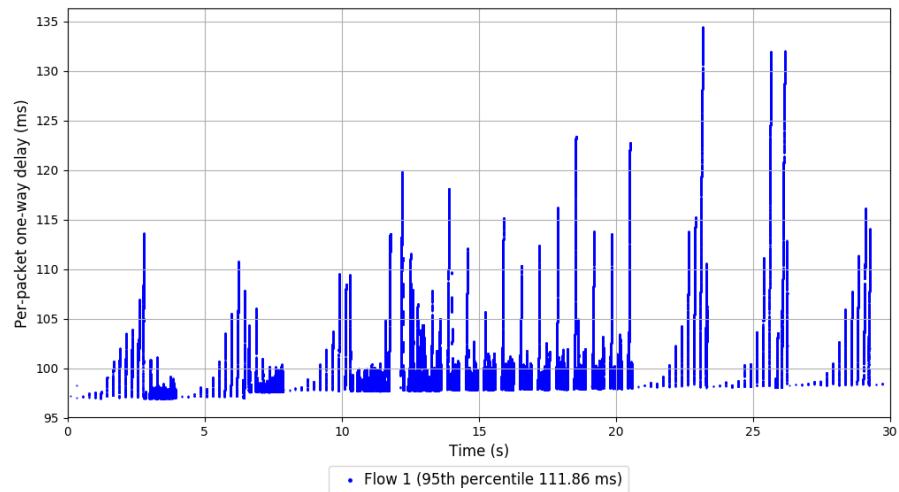
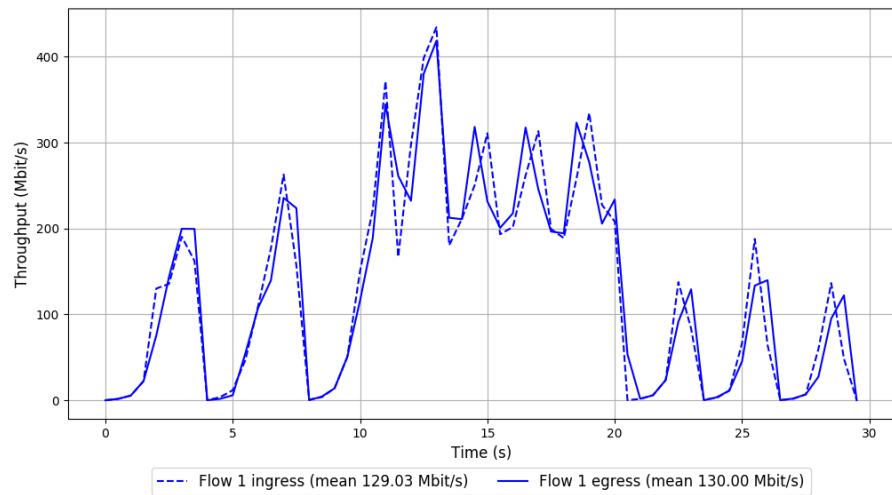
Run 7: Statistics of Verus

Start at: 2018-02-19 18:26:47

End at: 2018-02-19 18:27:17

```
# Below is generated by plot.py at 2018-02-19 22:34:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 130.00 Mbit/s
95th percentile per-packet one-way delay: 111.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.00 Mbit/s
95th percentile per-packet one-way delay: 111.860 ms
Loss rate: 0.00%
```

## Run 7: Report of Verus — Data Link



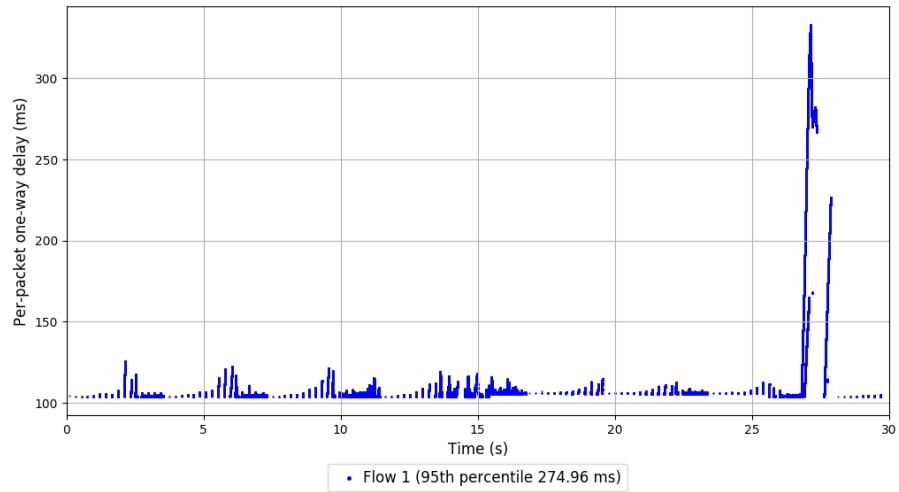
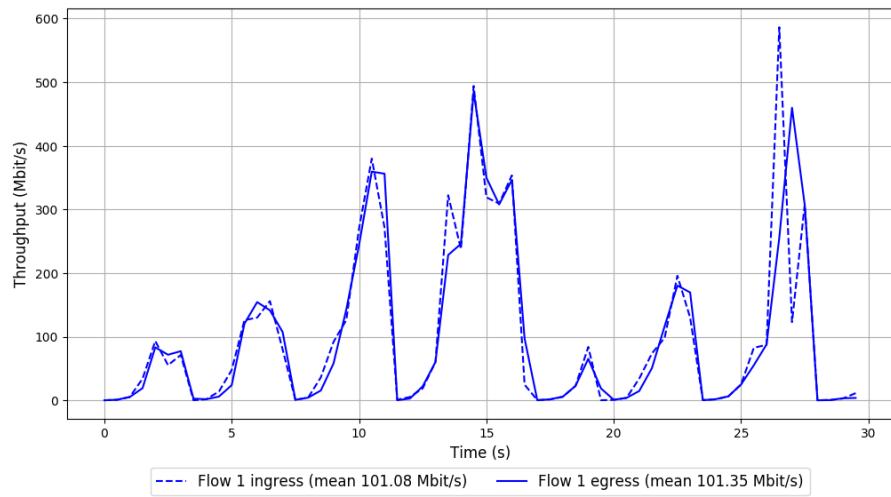
Run 8: Statistics of Verus

Start at: 2018-02-19 18:43:18

End at: 2018-02-19 18:43:48

```
# Below is generated by plot.py at 2018-02-19 22:34:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.35 Mbit/s
95th percentile per-packet one-way delay: 274.958 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 101.35 Mbit/s
95th percentile per-packet one-way delay: 274.958 ms
Loss rate: 0.49%
```

Run 8: Report of Verus — Data Link



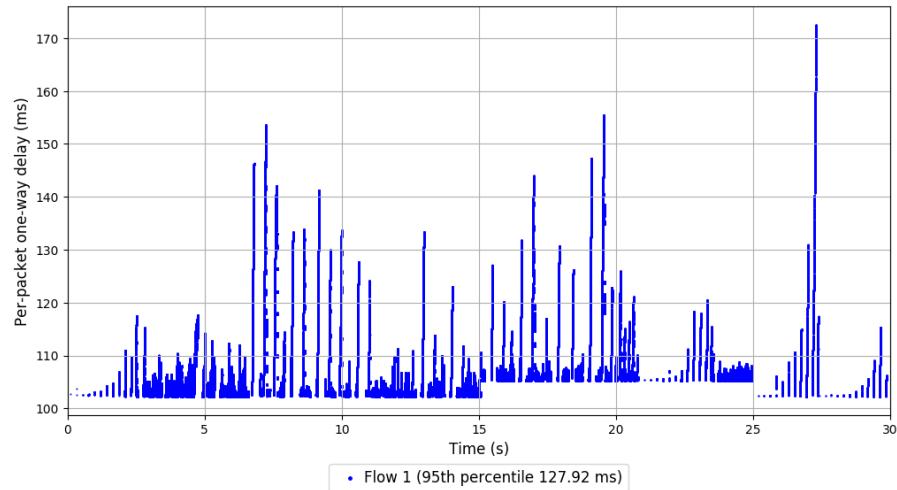
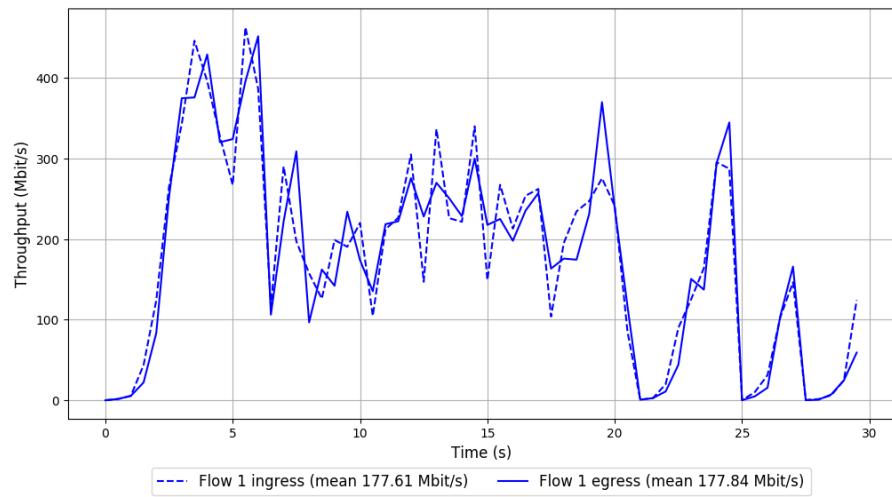
Run 9: Statistics of Verus

Start at: 2018-02-19 18:58:58

End at: 2018-02-19 18:59:28

```
# Below is generated by plot.py at 2018-02-19 22:34:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 177.84 Mbit/s
95th percentile per-packet one-way delay: 127.920 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 177.84 Mbit/s
95th percentile per-packet one-way delay: 127.920 ms
Loss rate: 0.61%
```

Run 9: Report of Verus — Data Link



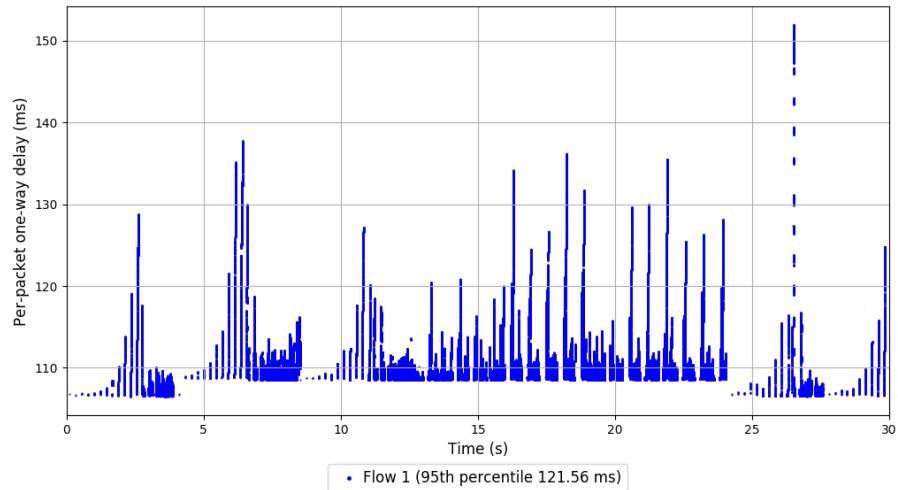
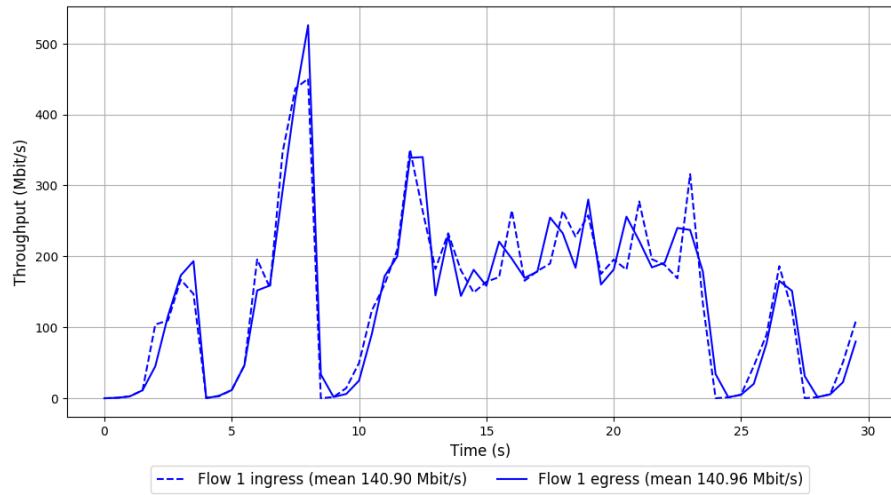
Run 10: Statistics of Verus

Start at: 2018-02-19 19:14:39

End at: 2018-02-19 19:15:09

```
# Below is generated by plot.py at 2018-02-19 22:34:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 140.96 Mbit/s
95th percentile per-packet one-way delay: 121.560 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 140.96 Mbit/s
95th percentile per-packet one-way delay: 121.560 ms
Loss rate: 0.67%
```

Run 10: Report of Verus — Data Link



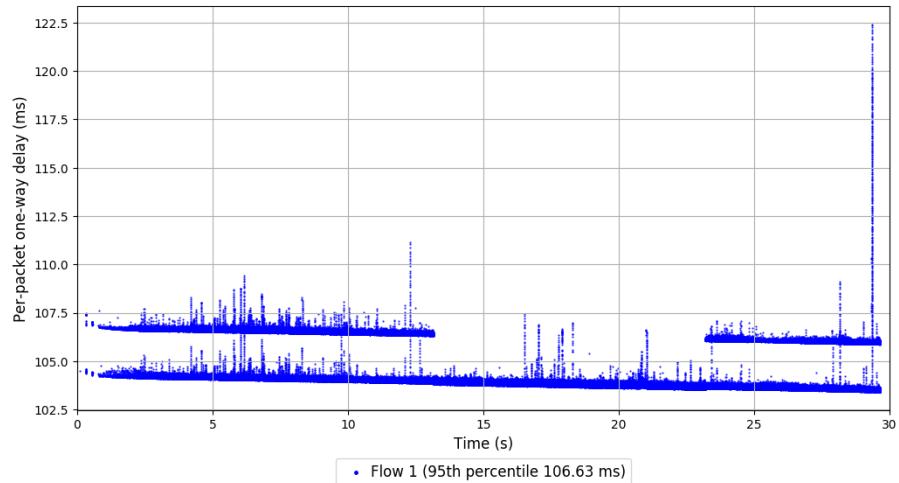
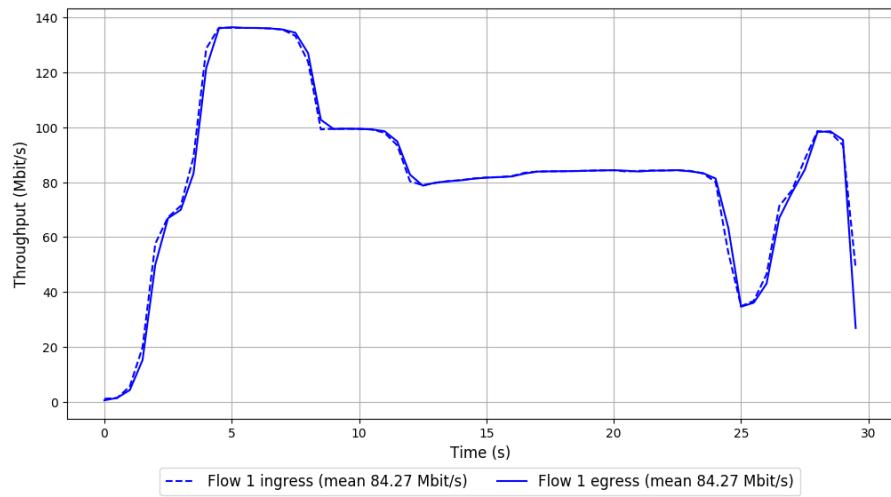
Run 1: Statistics of Copa

Start at: 2018-02-19 16:50:40

End at: 2018-02-19 16:51:10

```
# Below is generated by plot.py at 2018-02-19 22:35:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.27 Mbit/s
95th percentile per-packet one-way delay: 106.632 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 84.27 Mbit/s
95th percentile per-packet one-way delay: 106.632 ms
Loss rate: 0.81%
```

### Run 1: Report of Copa — Data Link



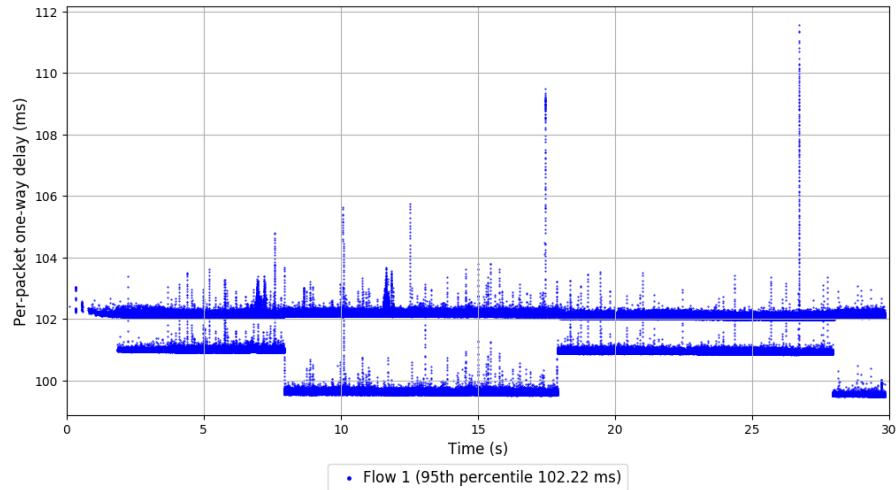
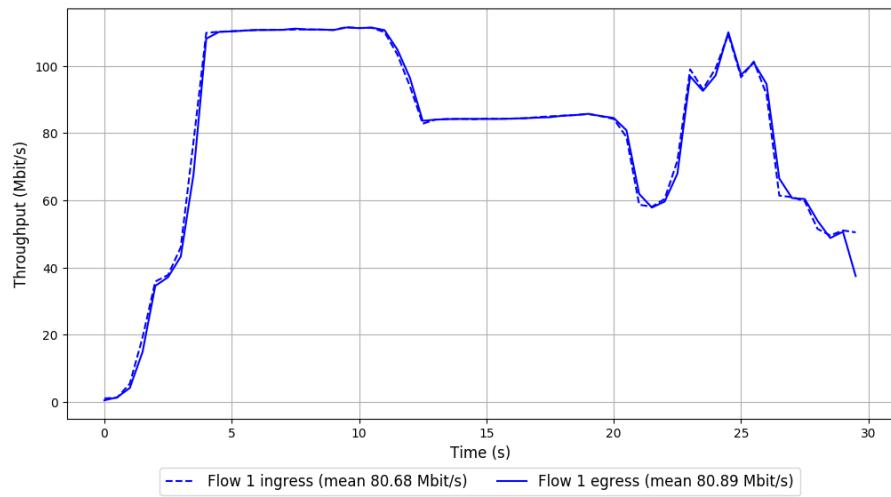
Run 2: Statistics of Copa

Start at: 2018-02-19 17:06:06

End at: 2018-02-19 17:06:36

```
# Below is generated by plot.py at 2018-02-19 22:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.89 Mbit/s
95th percentile per-packet one-way delay: 102.223 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 80.89 Mbit/s
95th percentile per-packet one-way delay: 102.223 ms
Loss rate: 0.48%
```

Run 2: Report of Copa — Data Link



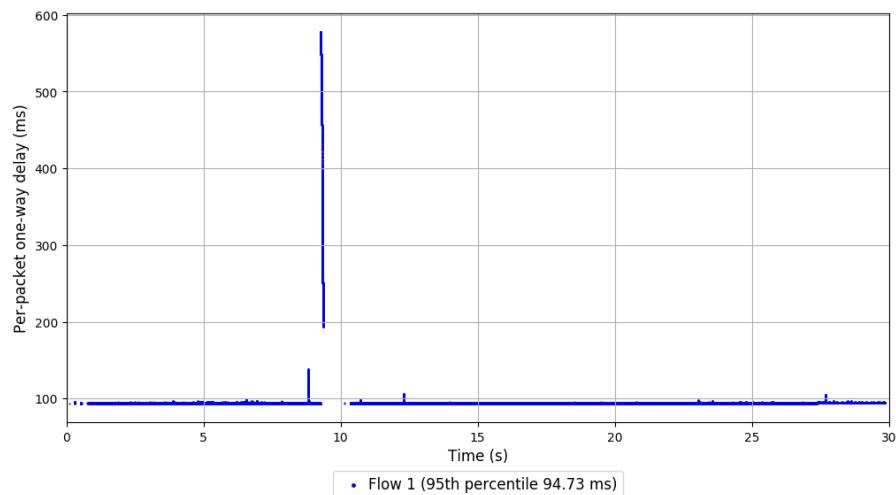
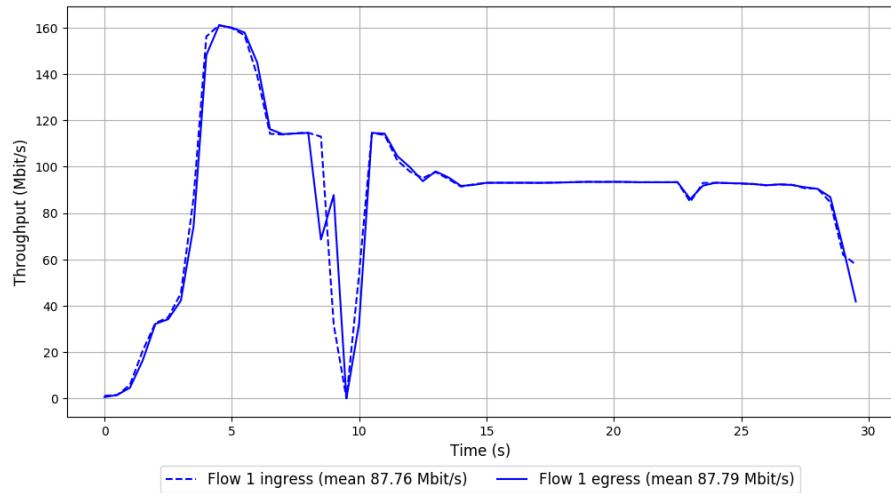
Run 3: Statistics of Copa

Start at: 2018-02-19 17:21:56

End at: 2018-02-19 17:22:26

```
# Below is generated by plot.py at 2018-02-19 22:35:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.79 Mbit/s
95th percentile per-packet one-way delay: 94.728 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 87.79 Mbit/s
95th percentile per-packet one-way delay: 94.728 ms
Loss rate: 0.71%
```

### Run 3: Report of Copa — Data Link



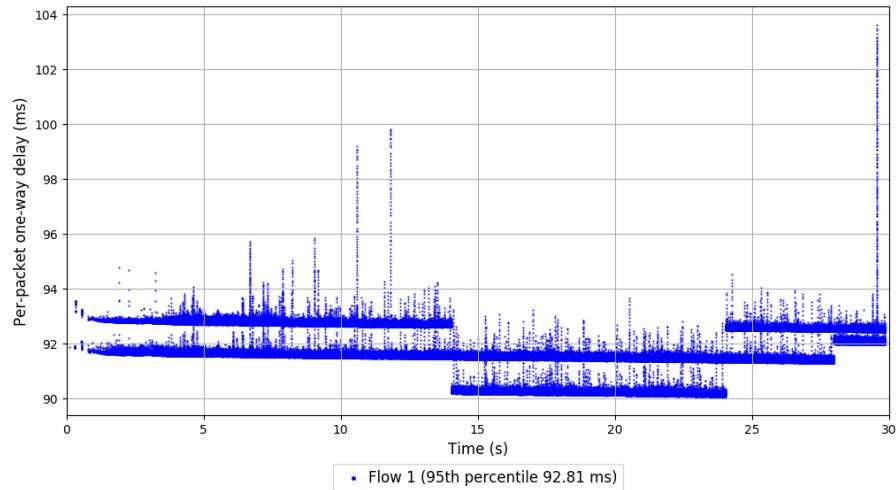
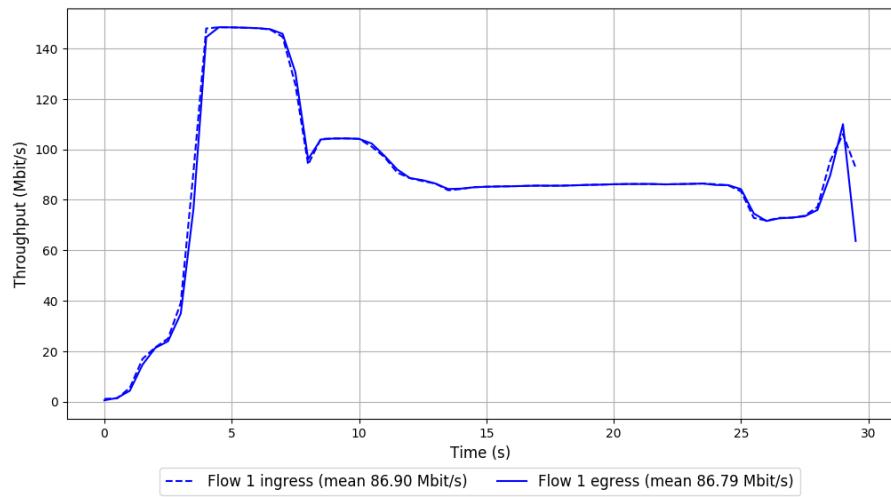
Run 4: Statistics of Copa

Start at: 2018-02-19 17:37:39

End at: 2018-02-19 17:38:09

```
# Below is generated by plot.py at 2018-02-19 22:35:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 92.812 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 92.812 ms
Loss rate: 0.88%
```

## Run 4: Report of Copa — Data Link



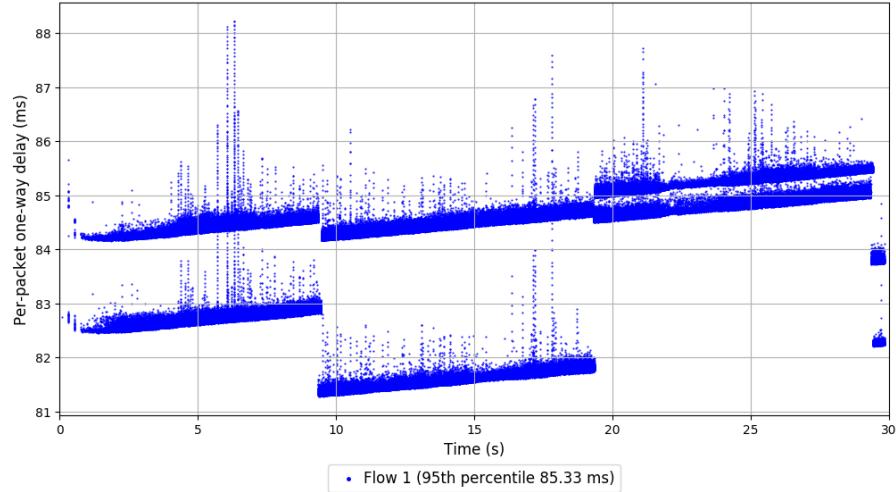
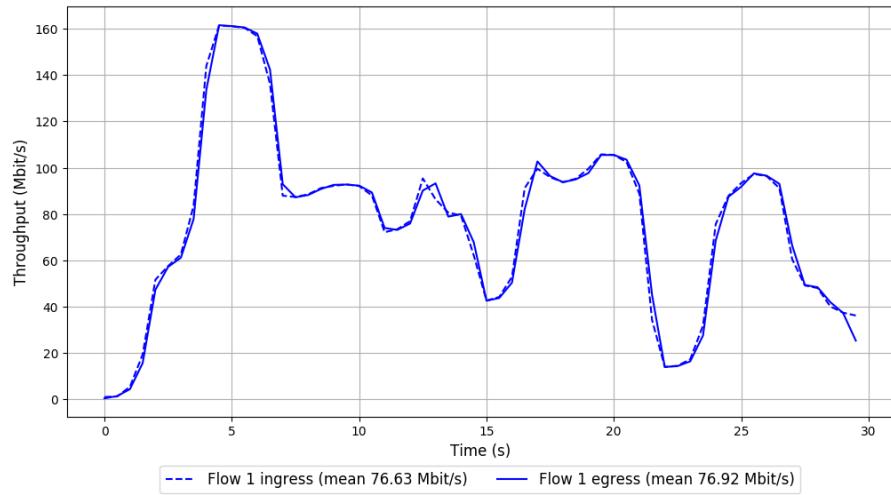
Run 5: Statistics of Copa

Start at: 2018-02-19 17:53:24

End at: 2018-02-19 17:53:54

```
# Below is generated by plot.py at 2018-02-19 22:35:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.92 Mbit/s
95th percentile per-packet one-way delay: 85.333 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 76.92 Mbit/s
95th percentile per-packet one-way delay: 85.333 ms
Loss rate: 0.37%
```

### Run 5: Report of Copa — Data Link



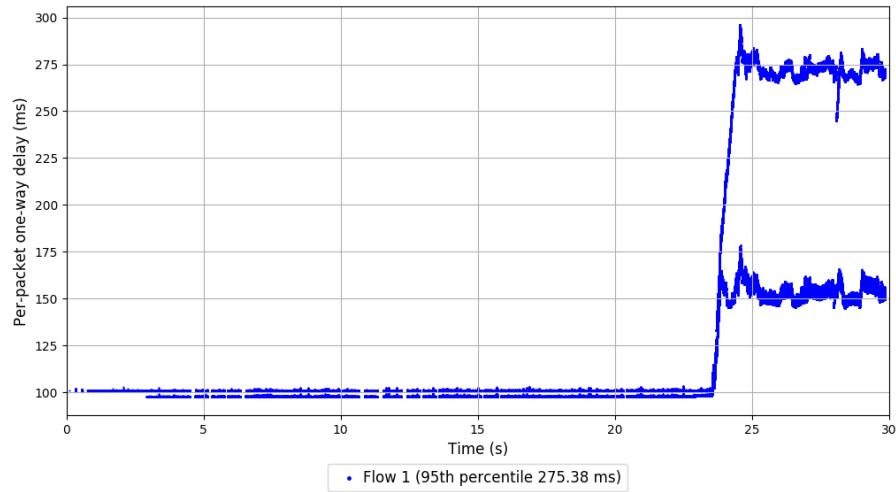
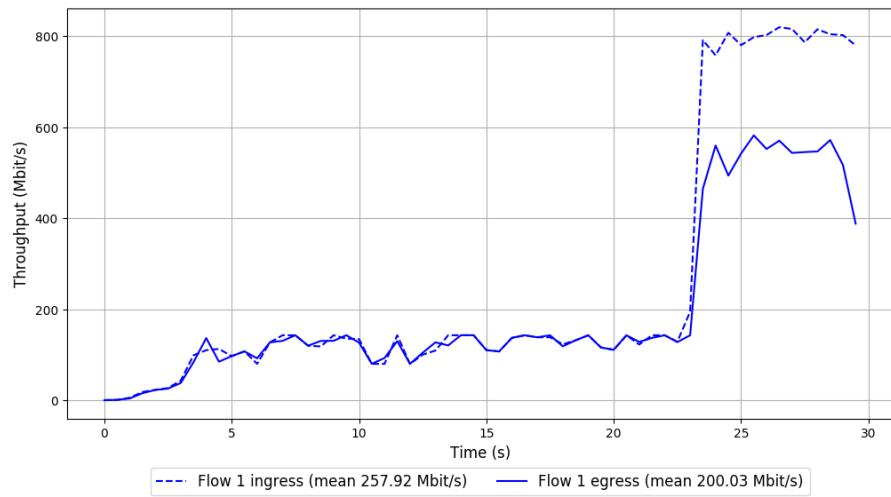
Run 6: Statistics of Copa

Start at: 2018-02-19 18:08:41

End at: 2018-02-19 18:09:11

```
# Below is generated by plot.py at 2018-02-19 22:40:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.03 Mbit/s
95th percentile per-packet one-way delay: 275.379 ms
Loss rate: 23.03%
-- Flow 1:
Average throughput: 200.03 Mbit/s
95th percentile per-packet one-way delay: 275.379 ms
Loss rate: 23.03%
```

Run 6: Report of Copa — Data Link



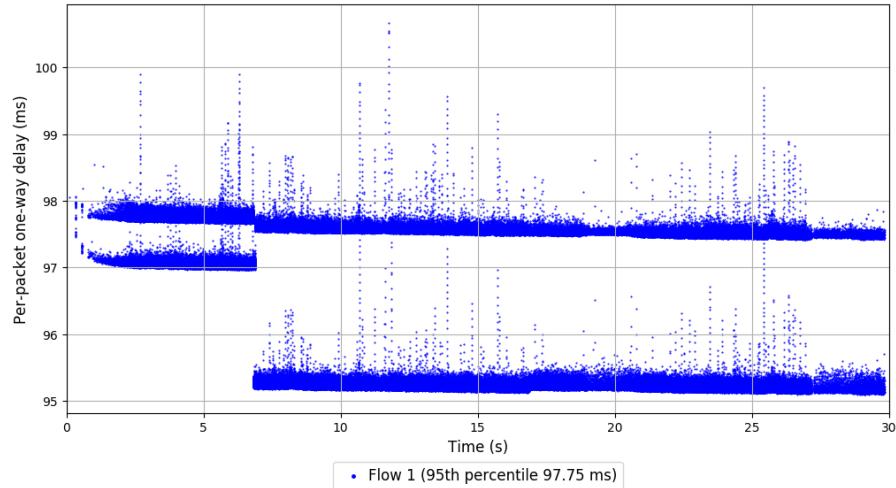
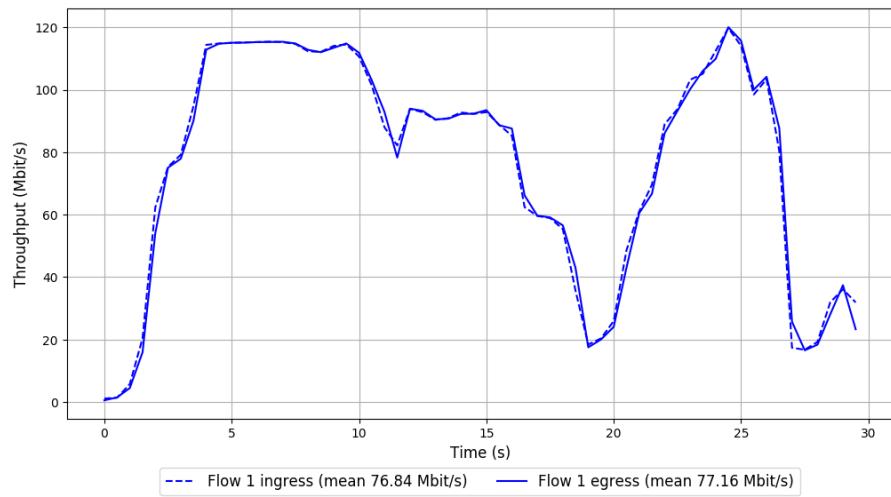
Run 7: Statistics of Copa

Start at: 2018-02-19 18:25:17

End at: 2018-02-19 18:25:47

```
# Below is generated by plot.py at 2018-02-19 22:40:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.16 Mbit/s
95th percentile per-packet one-way delay: 97.753 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 77.16 Mbit/s
95th percentile per-packet one-way delay: 97.753 ms
Loss rate: 0.33%
```

### Run 7: Report of Copa — Data Link



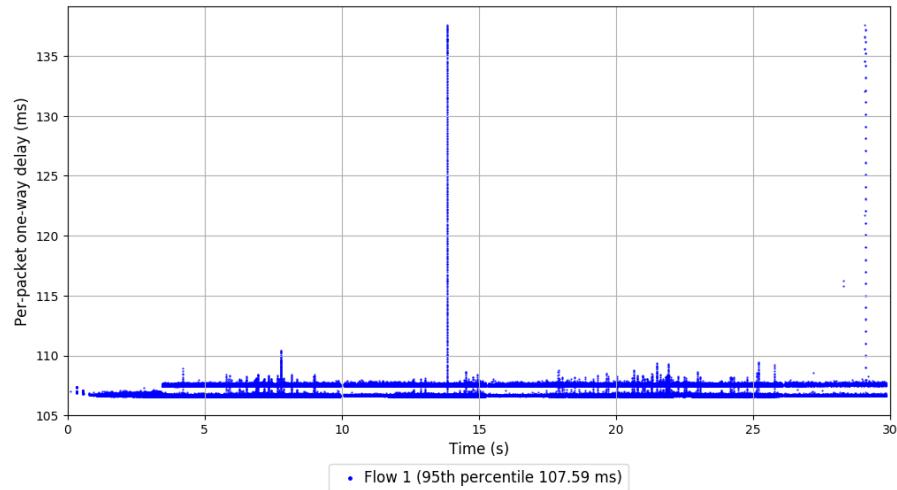
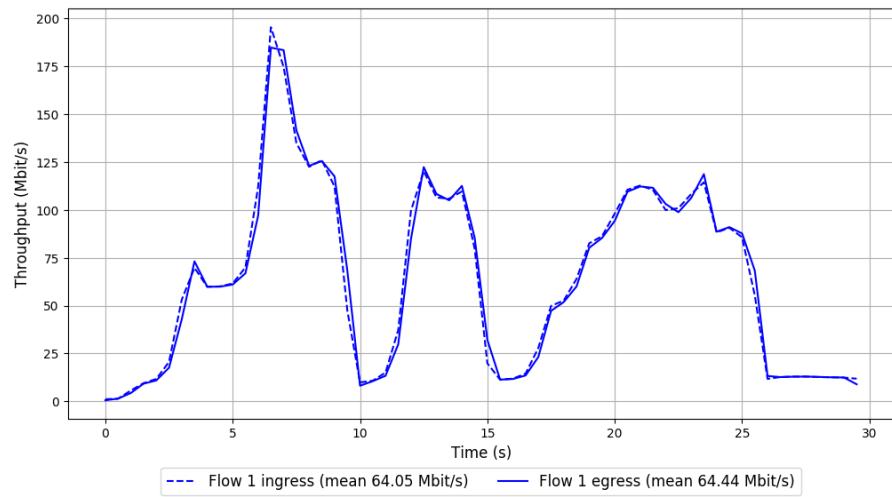
Run 8: Statistics of Copa

Start at: 2018-02-19 18:41:50

End at: 2018-02-19 18:42:20

```
# Below is generated by plot.py at 2018-02-19 22:40:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.44 Mbit/s
95th percentile per-packet one-way delay: 107.591 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 64.44 Mbit/s
95th percentile per-packet one-way delay: 107.591 ms
Loss rate: 0.14%
```

### Run 8: Report of Copa — Data Link



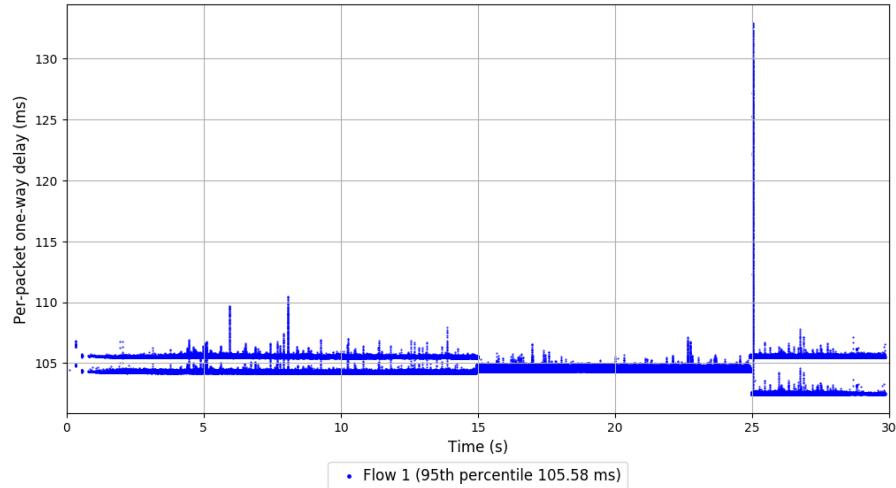
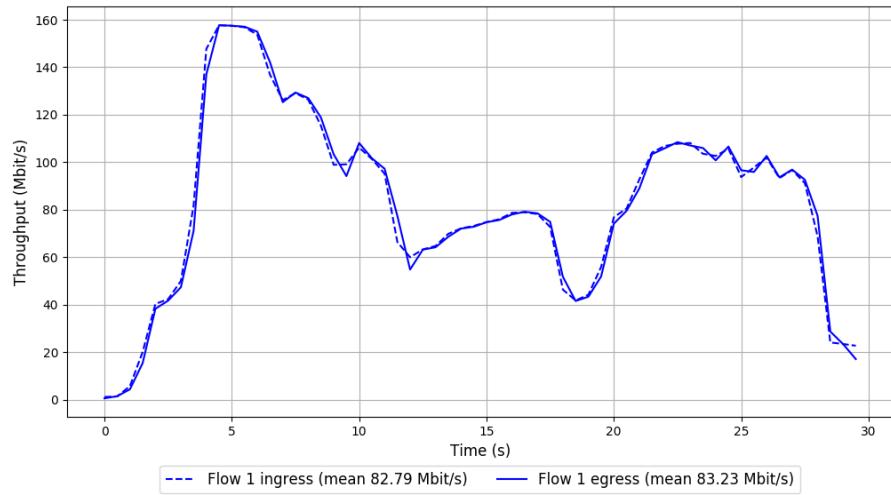
Run 9: Statistics of Copa

Start at: 2018-02-19 18:57:29

End at: 2018-02-19 18:57:59

```
# Below is generated by plot.py at 2018-02-19 22:40:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 105.582 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 105.582 ms
Loss rate: 0.21%
```

### Run 9: Report of Copa — Data Link



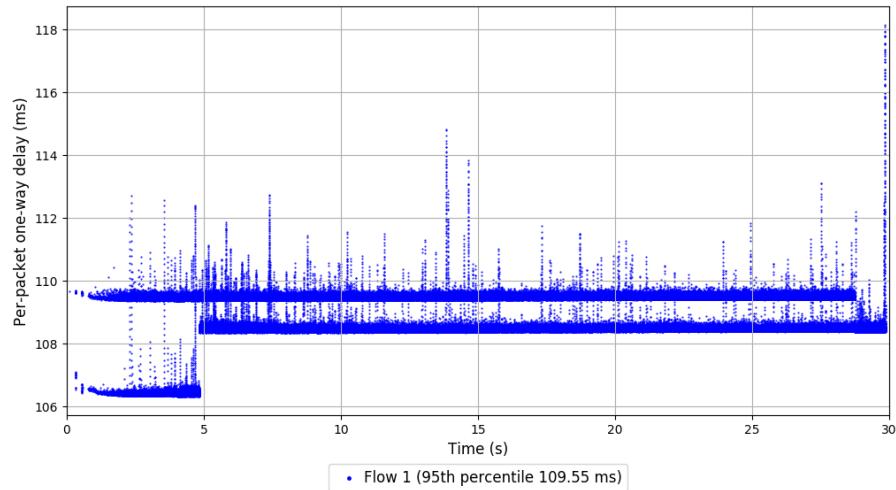
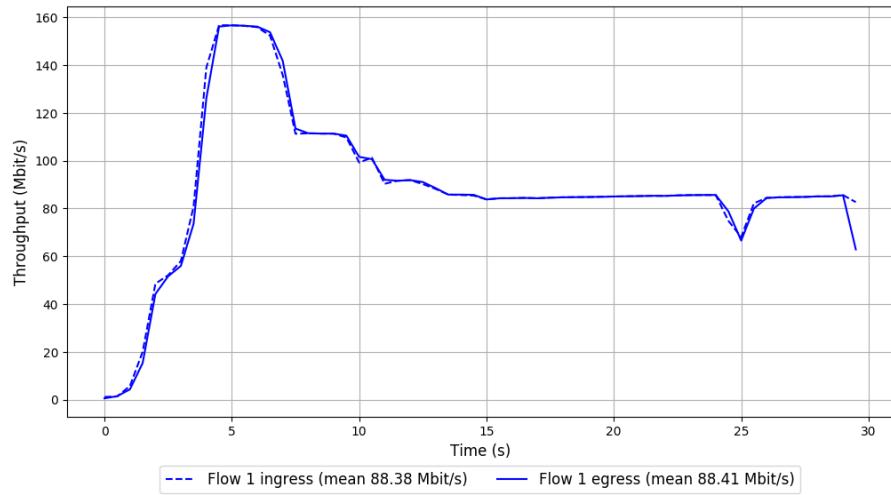
Run 10: Statistics of Copa

Start at: 2018-02-19 19:13:09

End at: 2018-02-19 19:13:39

```
# Below is generated by plot.py at 2018-02-19 22:40:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 109.553 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 109.553 ms
Loss rate: 0.72%
```

## Run 10: Report of Copa — Data Link



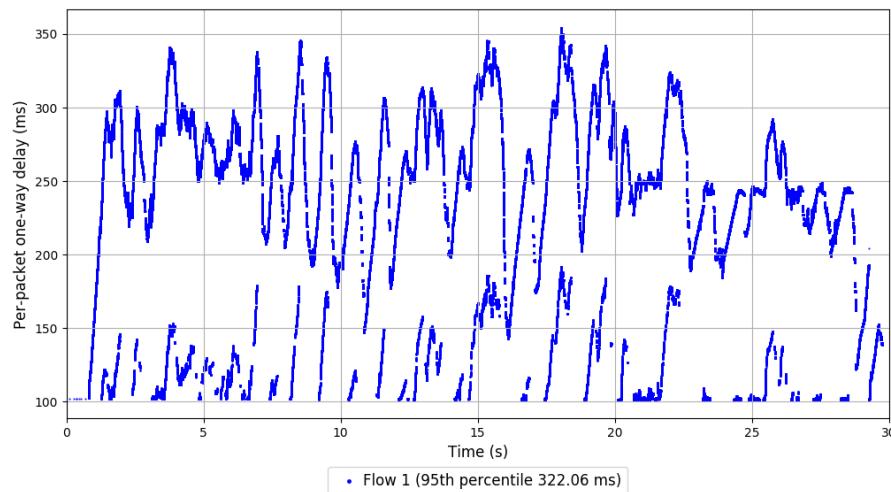
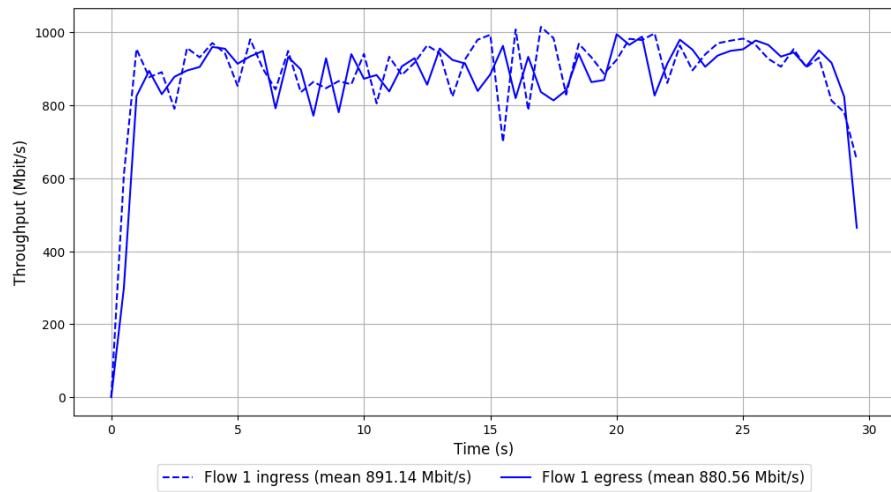
Run 1: Statistics of FillP

Start at: 2018-02-19 16:56:54

End at: 2018-02-19 16:57:24

```
# Below is generated by plot.py at 2018-02-19 22:51:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 880.56 Mbit/s
95th percentile per-packet one-way delay: 322.063 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 880.56 Mbit/s
95th percentile per-packet one-way delay: 322.063 ms
Loss rate: 1.93%
```

Run 1: Report of FillP — Data Link



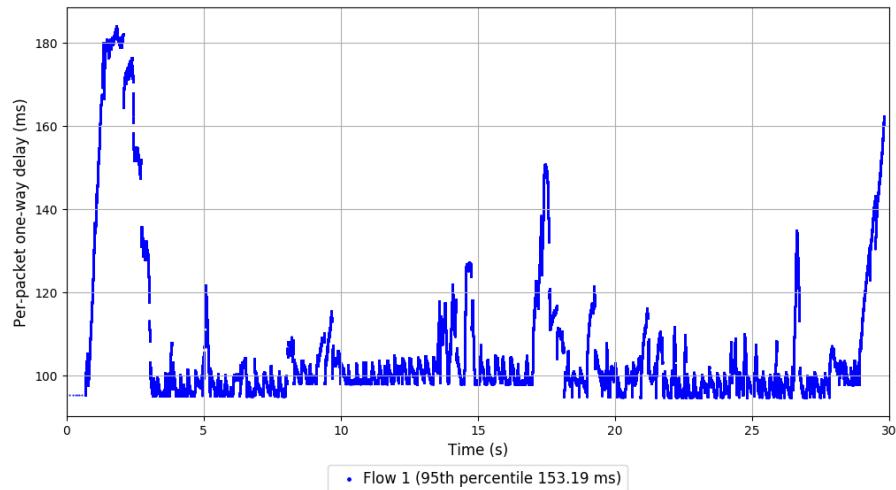
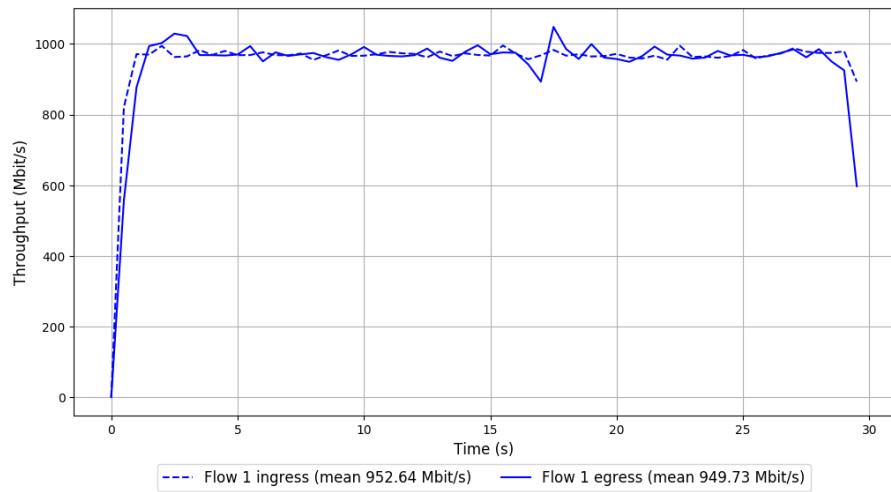
Run 2: Statistics of FillP

Start at: 2018-02-19 17:12:35

End at: 2018-02-19 17:13:05

```
# Below is generated by plot.py at 2018-02-19 22:51:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 949.73 Mbit/s
95th percentile per-packet one-way delay: 153.187 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 949.73 Mbit/s
95th percentile per-packet one-way delay: 153.187 ms
Loss rate: 1.05%
```

Run 2: Report of FillP — Data Link



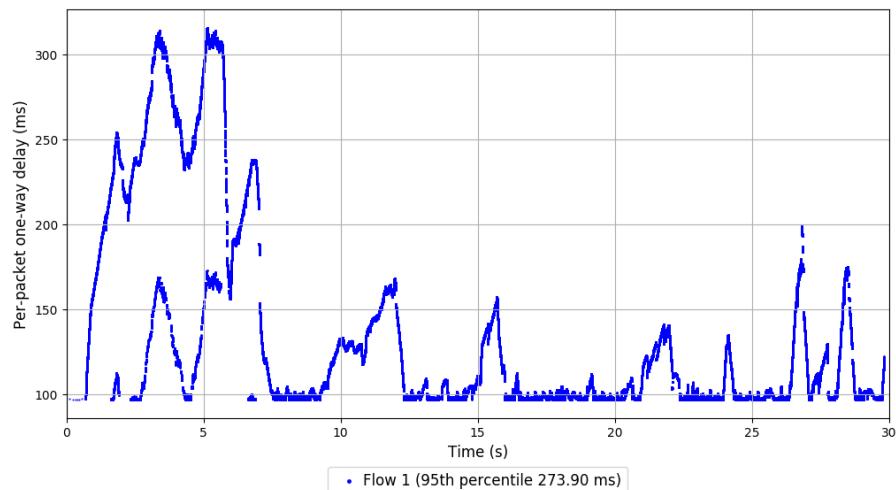
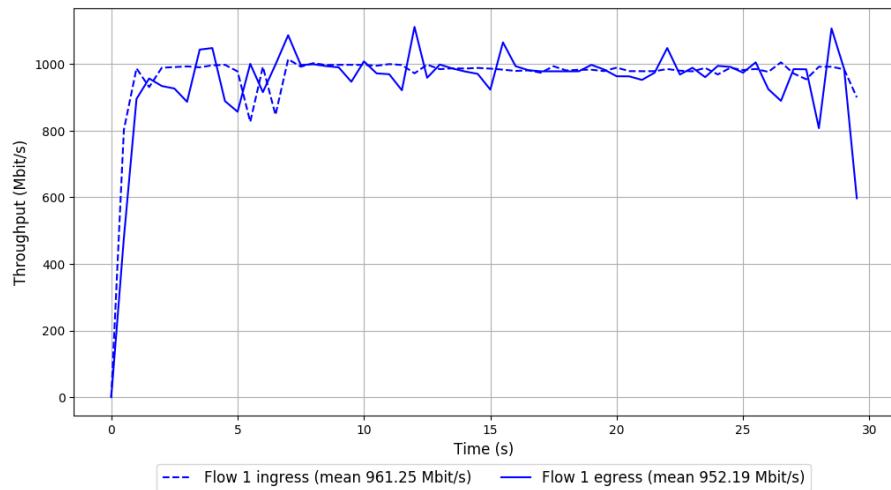
Run 3: Statistics of FillP

Start at: 2018-02-19 17:28:17

End at: 2018-02-19 17:28:47

```
# Below is generated by plot.py at 2018-02-19 22:52:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 952.19 Mbit/s
95th percentile per-packet one-way delay: 273.897 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 952.19 Mbit/s
95th percentile per-packet one-way delay: 273.897 ms
Loss rate: 1.69%
```

Run 3: Report of FillP — Data Link



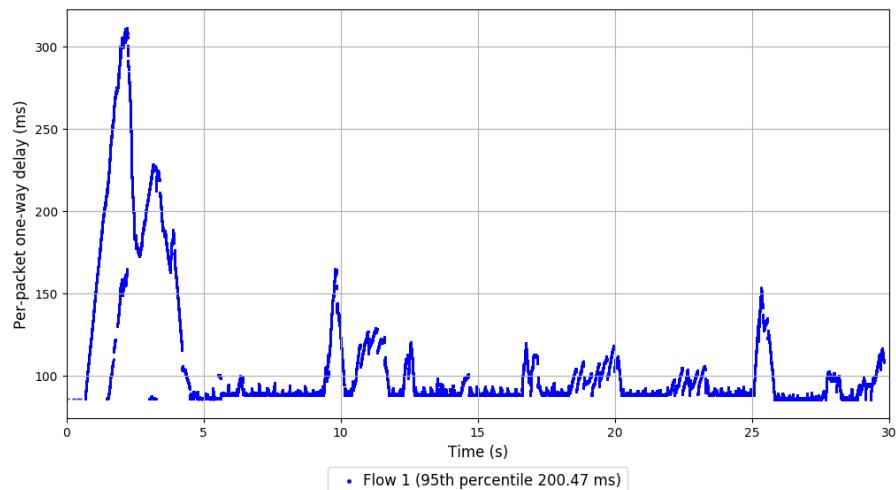
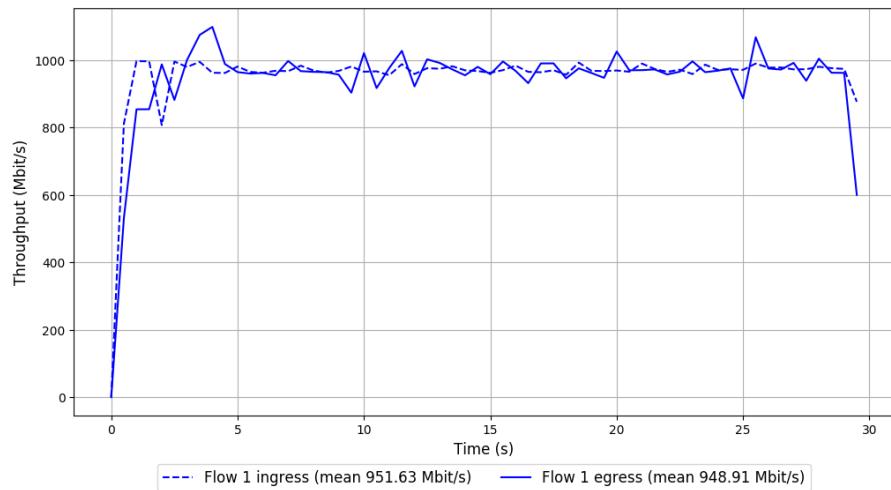
Run 4: Statistics of FillP

Start at: 2018-02-19 17:44:08

End at: 2018-02-19 17:44:38

```
# Below is generated by plot.py at 2018-02-19 22:52:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 948.91 Mbit/s
95th percentile per-packet one-way delay: 200.470 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 948.91 Mbit/s
95th percentile per-packet one-way delay: 200.470 ms
Loss rate: 1.03%
```

Run 4: Report of FillP — Data Link



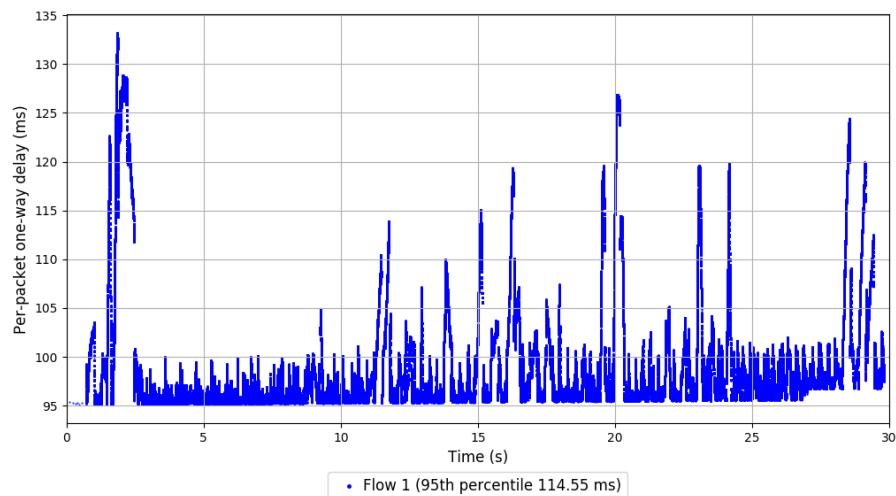
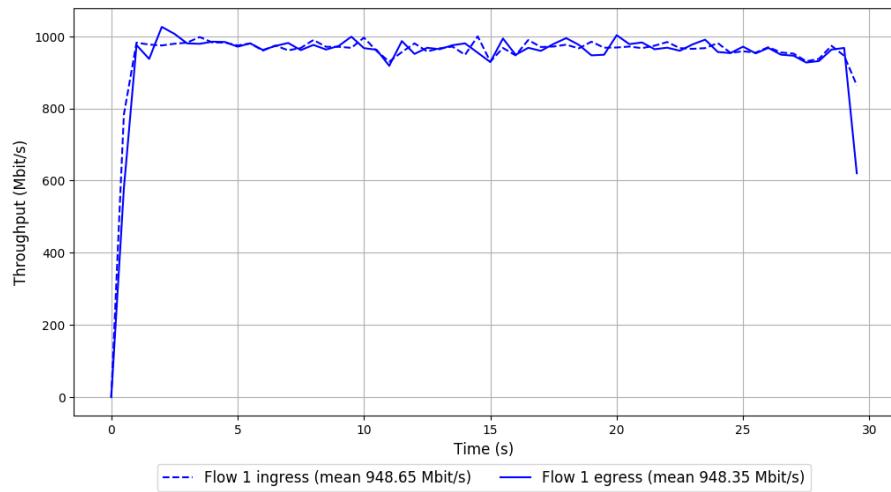
Run 5: Statistics of FillP

Start at: 2018-02-19 17:59:50

End at: 2018-02-19 18:00:20

```
# Below is generated by plot.py at 2018-02-19 22:52:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 948.35 Mbit/s
95th percentile per-packet one-way delay: 114.550 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 948.35 Mbit/s
95th percentile per-packet one-way delay: 114.550 ms
Loss rate: 0.78%
```

Run 5: Report of FillP — Data Link



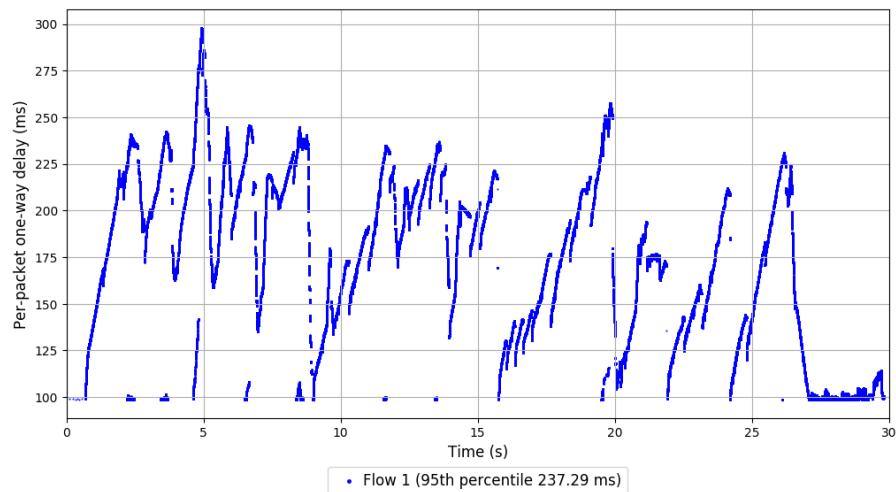
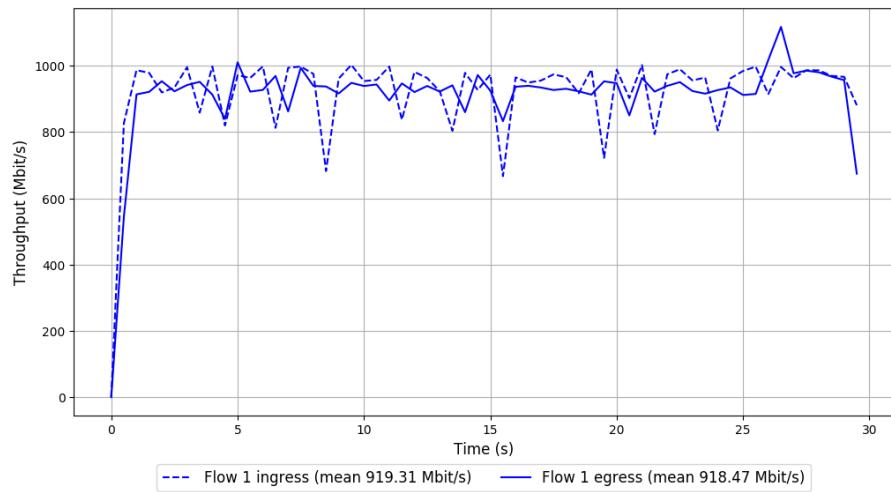
Run 6: Statistics of FillP

Start at: 2018-02-19 18:15:09

End at: 2018-02-19 18:15:39

```
# Below is generated by plot.py at 2018-02-19 22:52:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 918.47 Mbit/s
95th percentile per-packet one-way delay: 237.292 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 918.47 Mbit/s
95th percentile per-packet one-way delay: 237.292 ms
Loss rate: 0.84%
```

Run 6: Report of FillP — Data Link



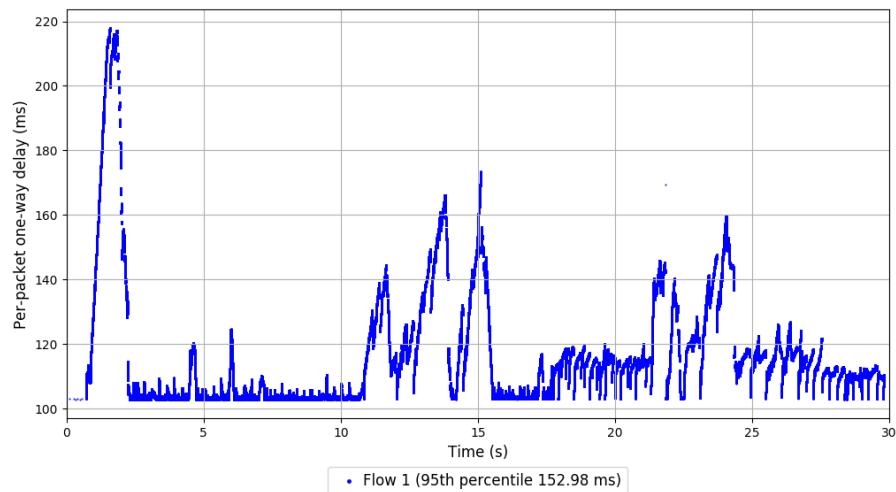
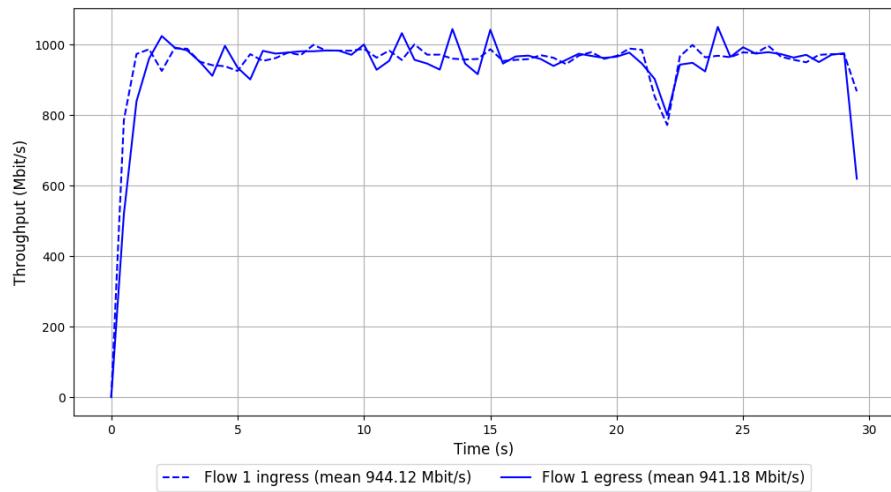
Run 7: Statistics of FillP

Start at: 2018-02-19 18:31:46

End at: 2018-02-19 18:32:16

```
# Below is generated by plot.py at 2018-02-19 22:54:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 941.18 Mbit/s
95th percentile per-packet one-way delay: 152.982 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 941.18 Mbit/s
95th percentile per-packet one-way delay: 152.982 ms
Loss rate: 1.06%
```

Run 7: Report of FillP — Data Link



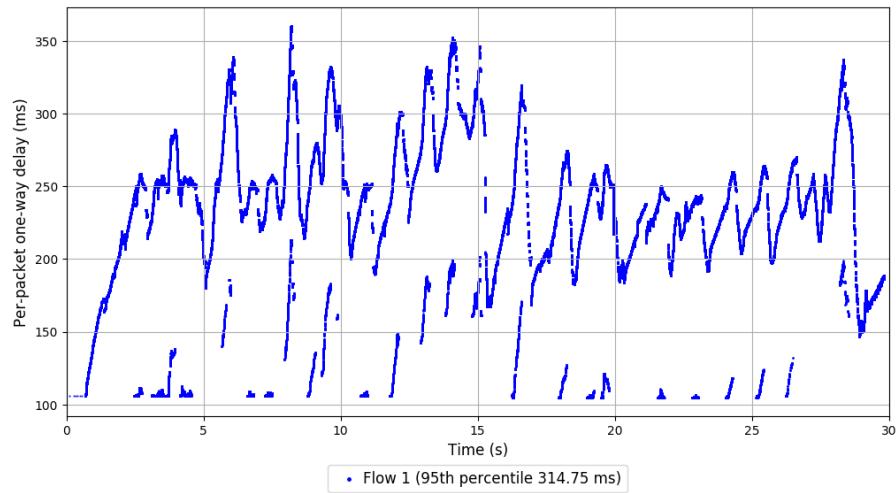
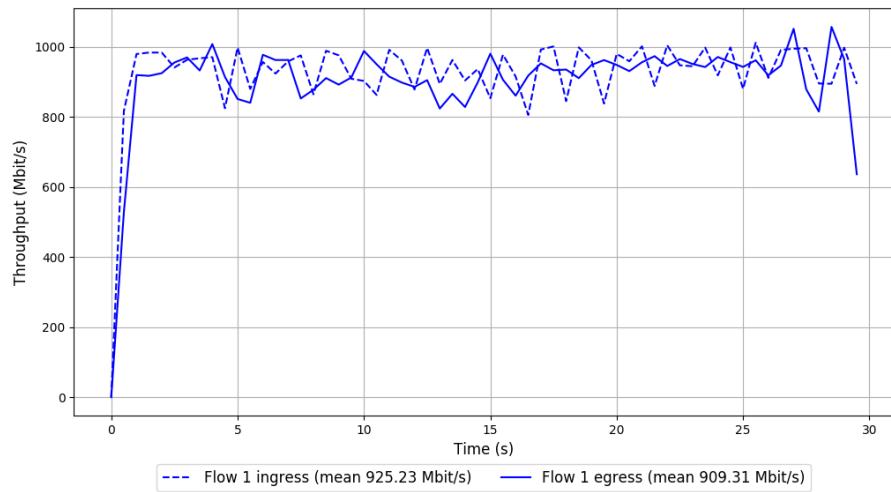
Run 8: Statistics of FillP

Start at: 2018-02-19 18:48:08

End at: 2018-02-19 18:48:38

```
# Below is generated by plot.py at 2018-02-19 22:58:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 909.31 Mbit/s
95th percentile per-packet one-way delay: 314.752 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 909.31 Mbit/s
95th percentile per-packet one-way delay: 314.752 ms
Loss rate: 2.45%
```

Run 8: Report of FillP — Data Link



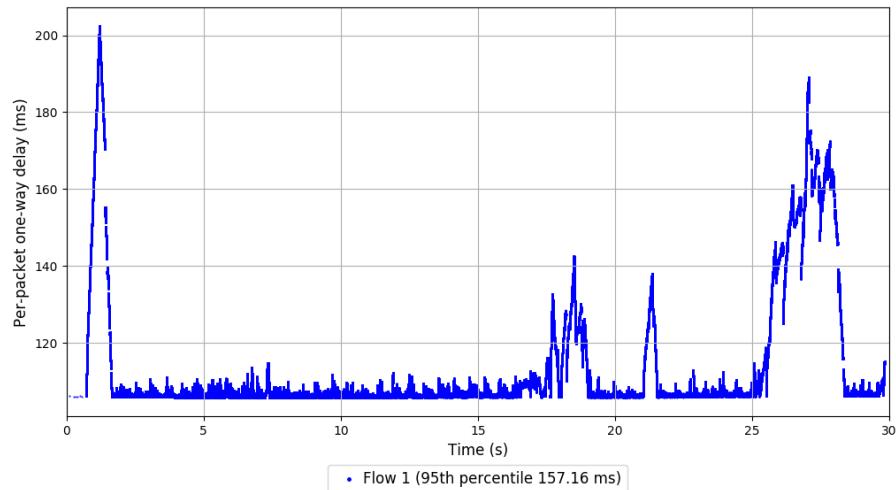
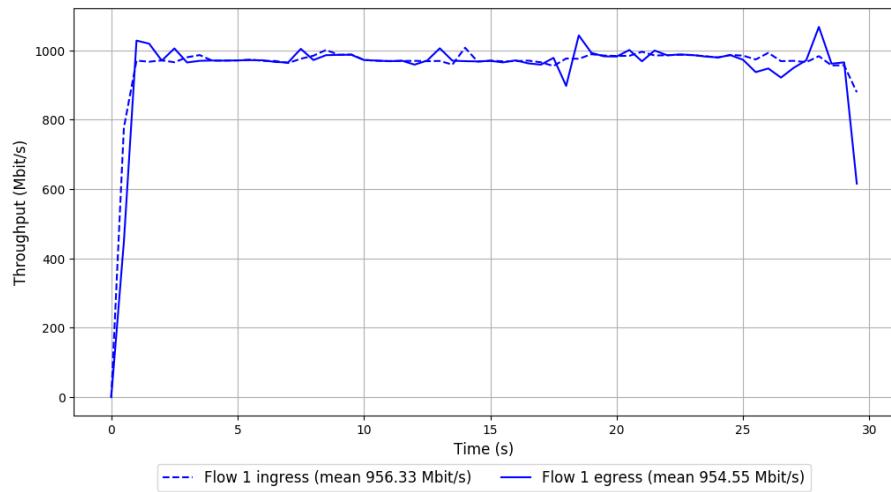
Run 9: Statistics of FillP

Start at: 2018-02-19 19:03:43

End at: 2018-02-19 19:04:13

```
# Below is generated by plot.py at 2018-02-19 23:07:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 954.55 Mbit/s
95th percentile per-packet one-way delay: 157.162 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 954.55 Mbit/s
95th percentile per-packet one-way delay: 157.162 ms
Loss rate: 0.93%
```

Run 9: Report of FillP — Data Link



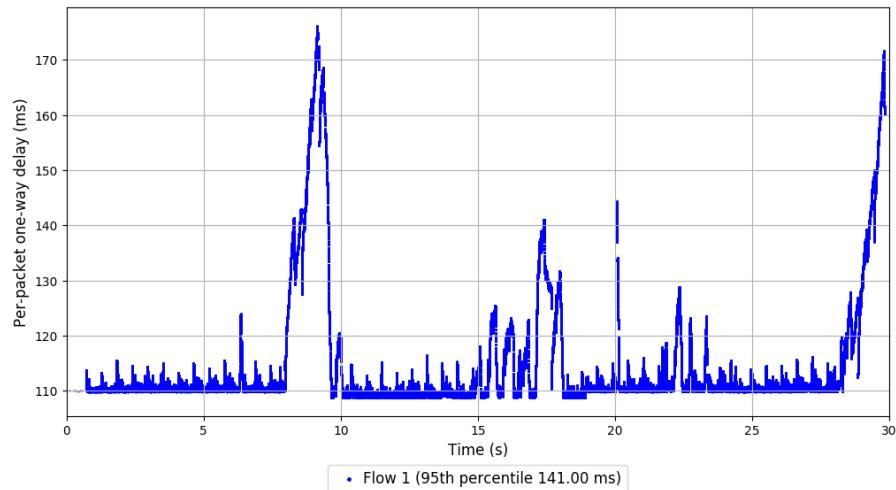
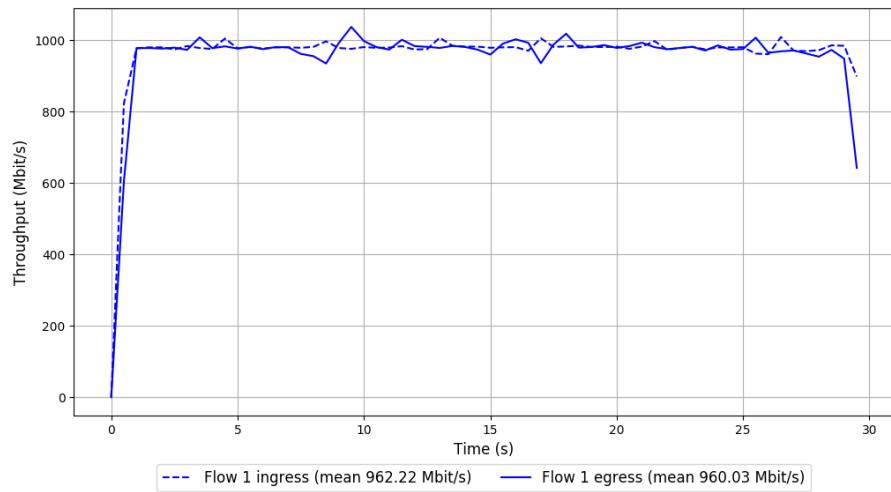
Run 10: Statistics of FillP

Start at: 2018-02-19 19:19:28

End at: 2018-02-19 19:19:58

```
# Below is generated by plot.py at 2018-02-19 23:09:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 960.03 Mbit/s
95th percentile per-packet one-way delay: 140.999 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 960.03 Mbit/s
95th percentile per-packet one-way delay: 140.999 ms
Loss rate: 0.98%
```

Run 10: Report of FillP — Data Link



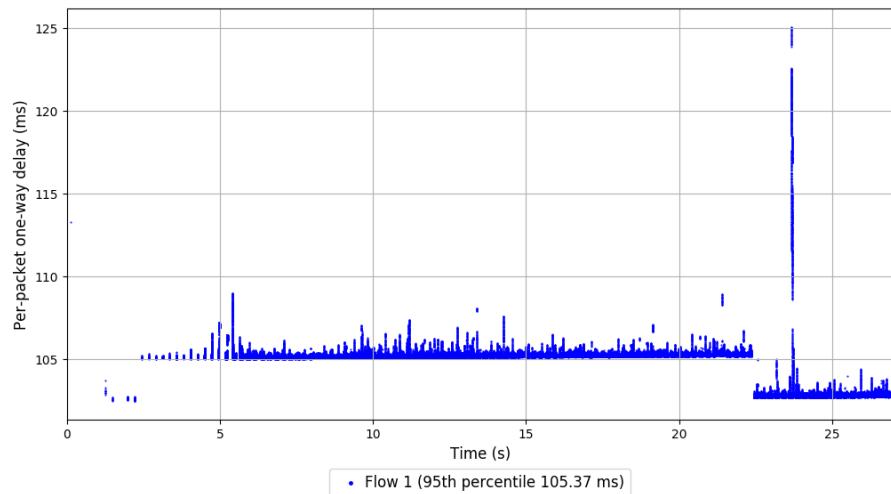
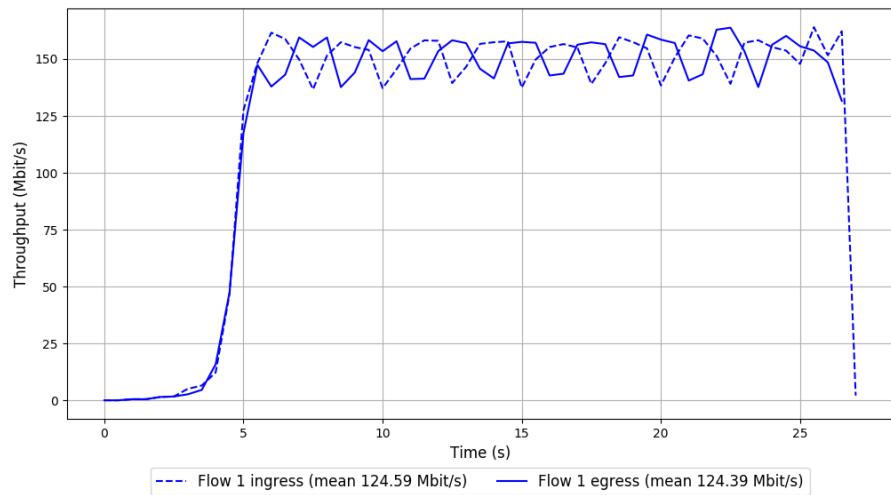
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-19 16:53:48

End at: 2018-02-19 16:54:18

```
# Below is generated by plot.py at 2018-02-19 23:09:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.39 Mbit/s
95th percentile per-packet one-way delay: 105.371 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 124.39 Mbit/s
95th percentile per-packet one-way delay: 105.371 ms
Loss rate: 1.03%
```

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



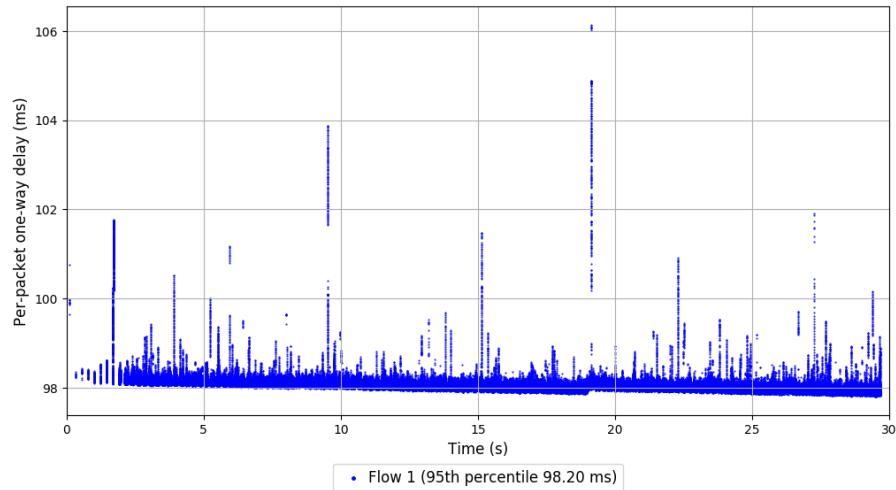
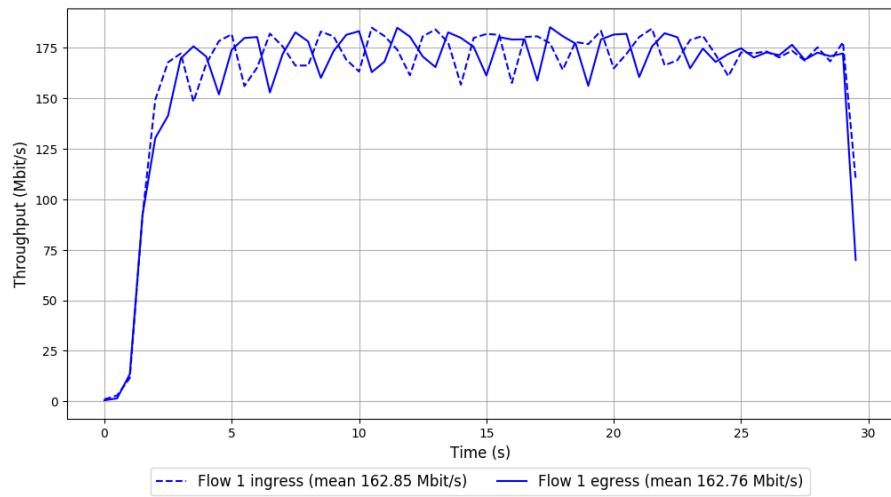
Run 2: Statistics of Indigo-1-32

Start at: 2018-02-19 17:09:23

End at: 2018-02-19 17:09:53

```
# Below is generated by plot.py at 2018-02-19 23:09:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 162.76 Mbit/s
95th percentile per-packet one-way delay: 98.197 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 162.76 Mbit/s
95th percentile per-packet one-way delay: 98.197 ms
Loss rate: 0.80%
```

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



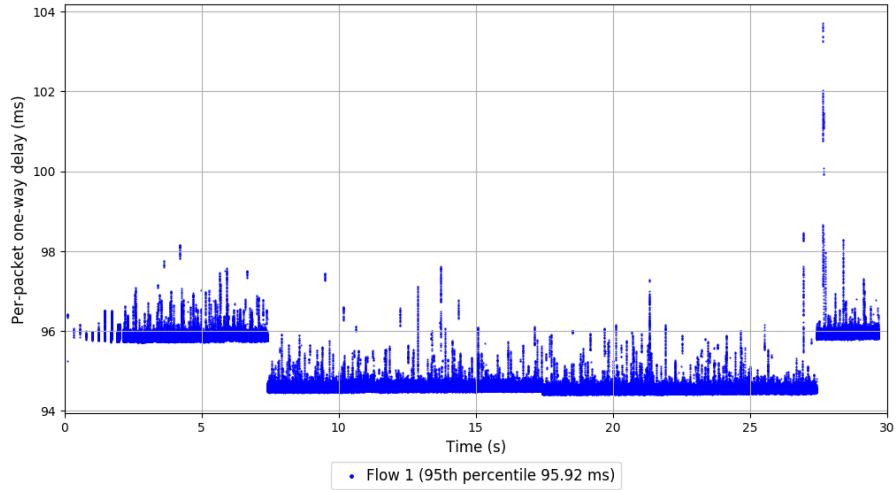
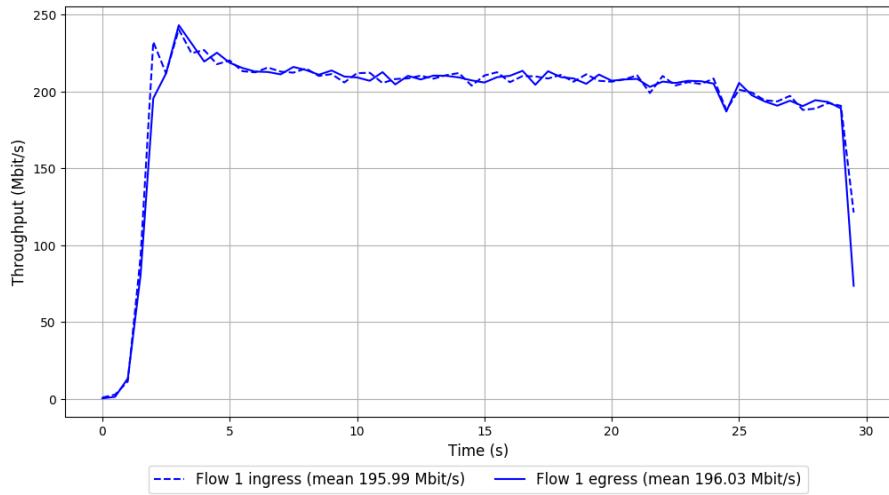
Run 3: Statistics of Indigo-1-32

Start at: 2018-02-19 17:25:06

End at: 2018-02-19 17:25:36

```
# Below is generated by plot.py at 2018-02-19 23:09:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 196.03 Mbit/s
95th percentile per-packet one-way delay: 95.925 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 196.03 Mbit/s
95th percentile per-packet one-way delay: 95.925 ms
Loss rate: 0.73%
```

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



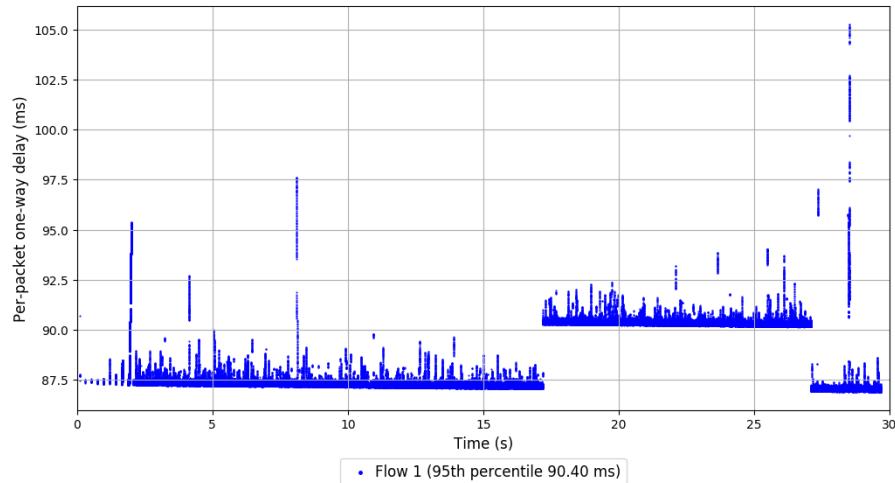
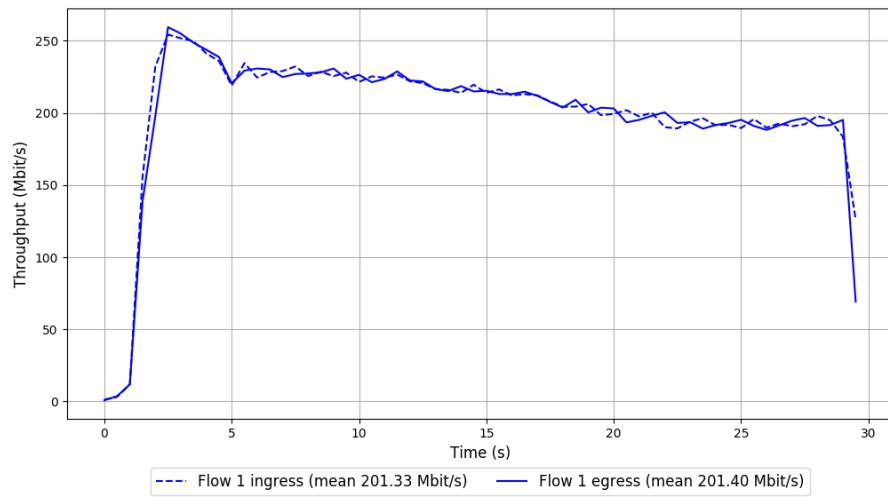
Run 4: Statistics of Indigo-1-32

Start at: 2018-02-19 17:40:56

End at: 2018-02-19 17:41:26

```
# Below is generated by plot.py at 2018-02-19 23:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.40 Mbit/s
95th percentile per-packet one-way delay: 90.398 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 201.40 Mbit/s
95th percentile per-packet one-way delay: 90.398 ms
Loss rate: 0.71%
```

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



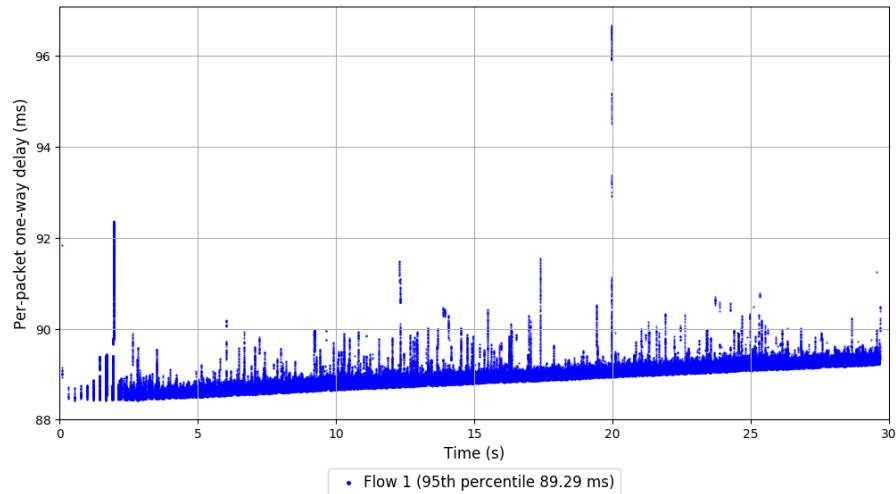
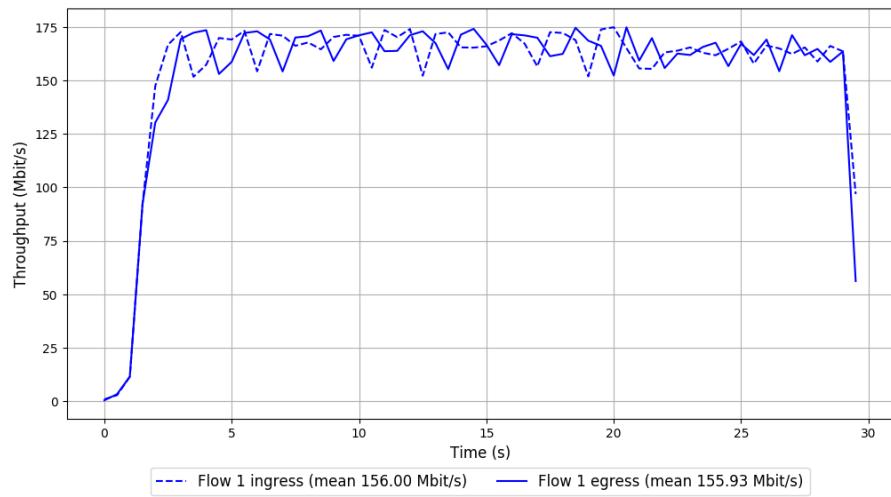
Run 5: Statistics of Indigo-1-32

Start at: 2018-02-19 17:56:40

End at: 2018-02-19 17:57:10

```
# Below is generated by plot.py at 2018-02-19 23:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 155.93 Mbit/s
95th percentile per-packet one-way delay: 89.292 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 155.93 Mbit/s
95th percentile per-packet one-way delay: 89.292 ms
Loss rate: 0.79%
```

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



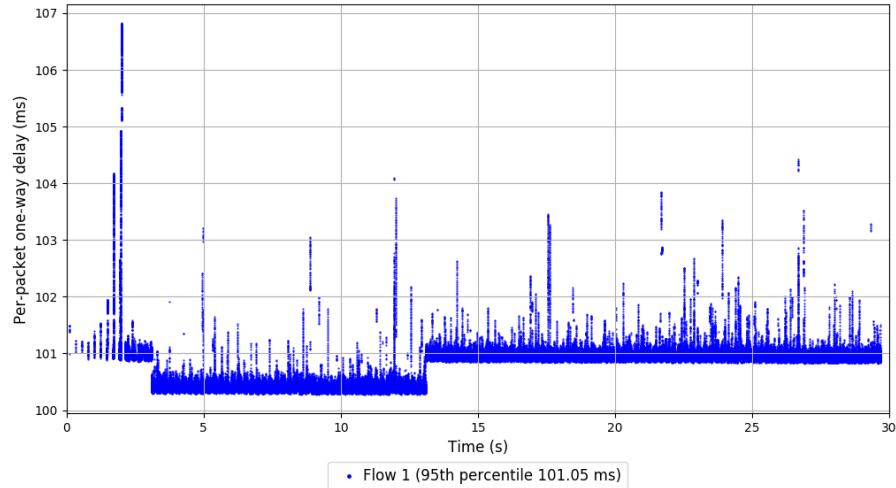
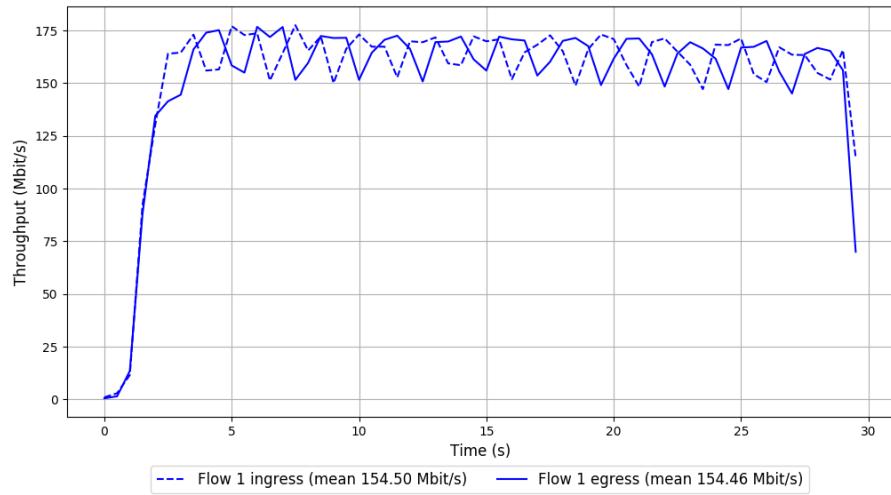
Run 6: Statistics of Indigo-1-32

Start at: 2018-02-19 18:12:00

End at: 2018-02-19 18:12:30

```
# Below is generated by plot.py at 2018-02-19 23:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 154.46 Mbit/s
95th percentile per-packet one-way delay: 101.045 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 154.46 Mbit/s
95th percentile per-packet one-way delay: 101.045 ms
Loss rate: 0.79%
```

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



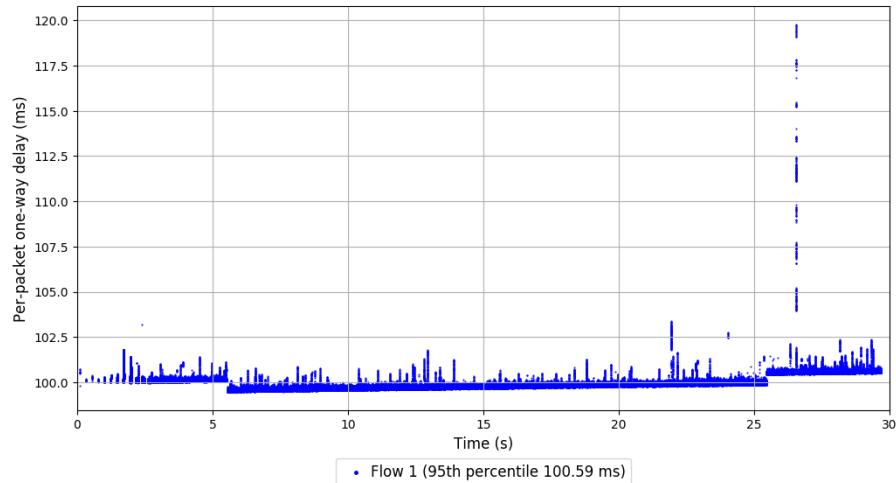
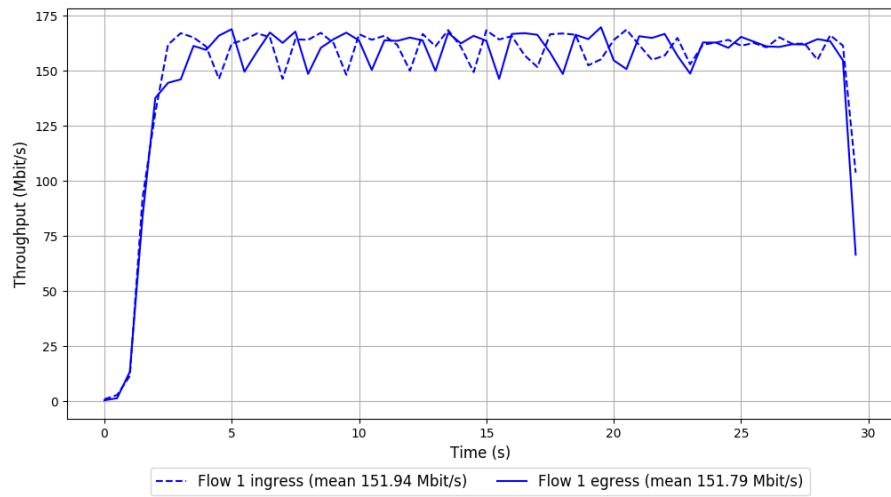
Run 7: Statistics of Indigo-1-32

Start at: 2018-02-19 18:28:38

End at: 2018-02-19 18:29:08

```
# Below is generated by plot.py at 2018-02-19 23:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 151.79 Mbit/s
95th percentile per-packet one-way delay: 100.595 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 151.79 Mbit/s
95th percentile per-packet one-way delay: 100.595 ms
Loss rate: 0.81%
```

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



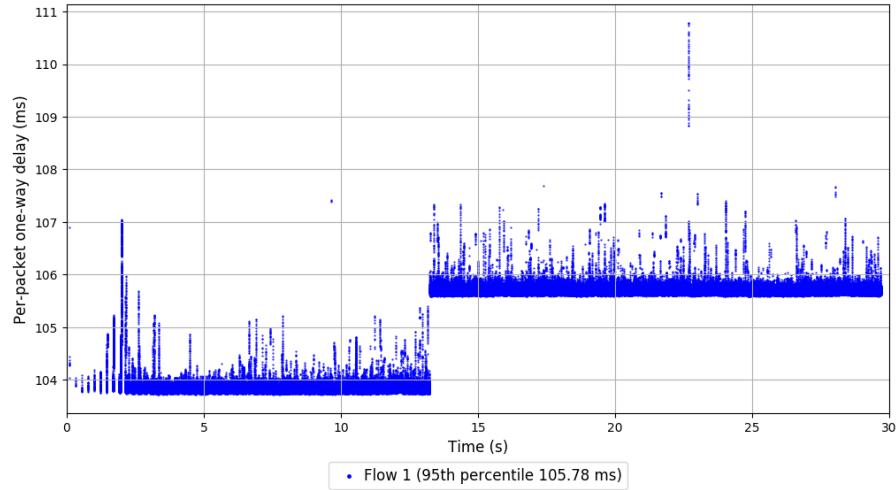
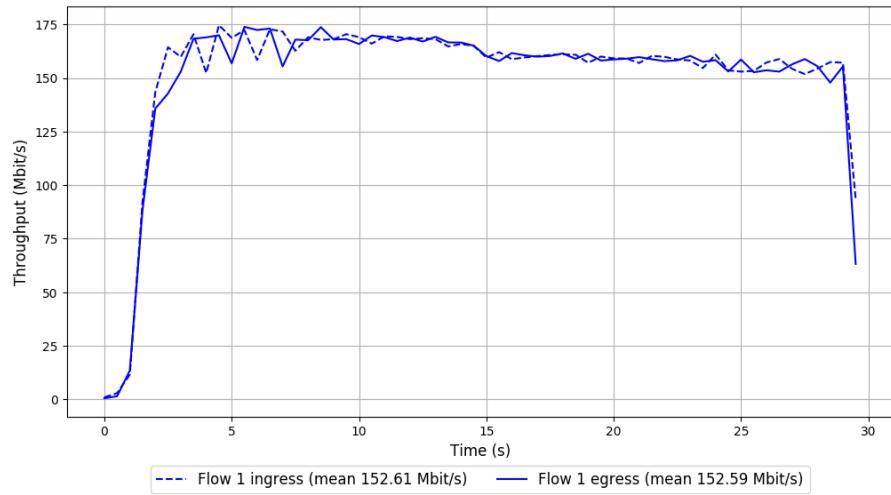
Run 8: Statistics of Indigo-1-32

Start at: 2018-02-19 18:45:00

End at: 2018-02-19 18:45:30

```
# Below is generated by plot.py at 2018-02-19 23:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 152.59 Mbit/s
95th percentile per-packet one-way delay: 105.777 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 152.59 Mbit/s
95th percentile per-packet one-way delay: 105.777 ms
Loss rate: 0.76%
```

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



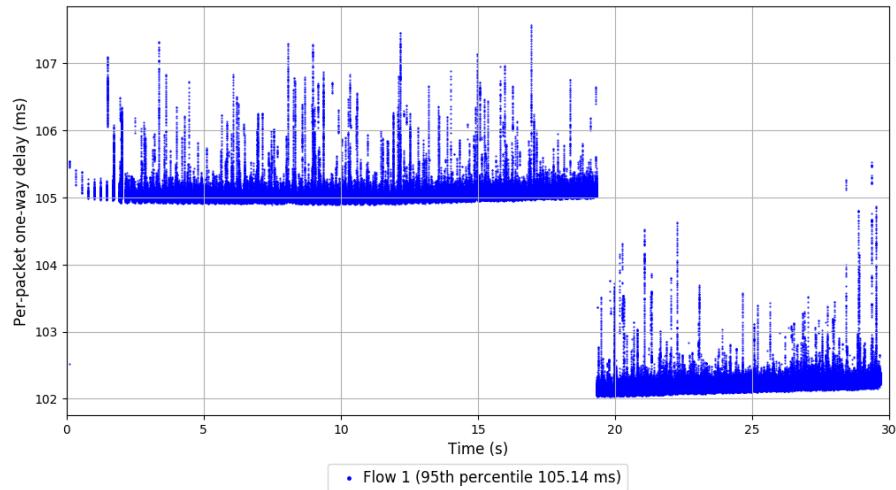
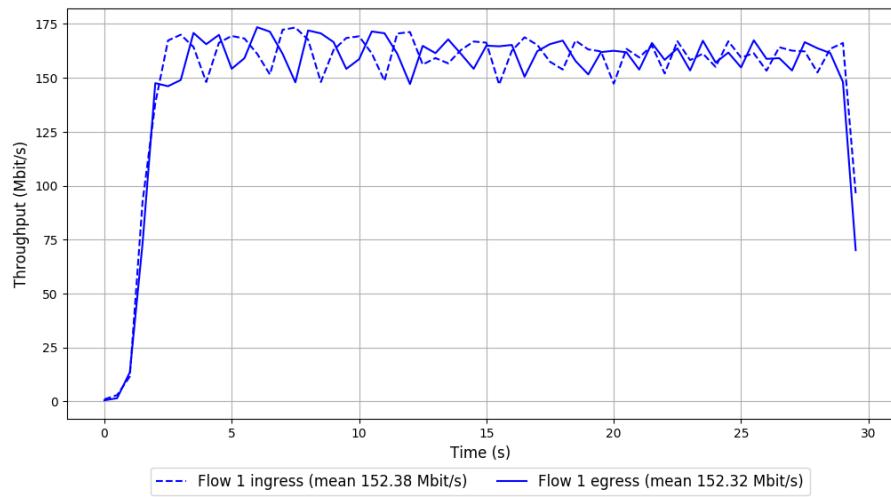
Run 9: Statistics of Indigo-1-32

Start at: 2018-02-19 19:00:34

End at: 2018-02-19 19:01:04

```
# Below is generated by plot.py at 2018-02-19 23:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 152.32 Mbit/s
95th percentile per-packet one-way delay: 105.135 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 152.32 Mbit/s
95th percentile per-packet one-way delay: 105.135 ms
Loss rate: 0.79%
```

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



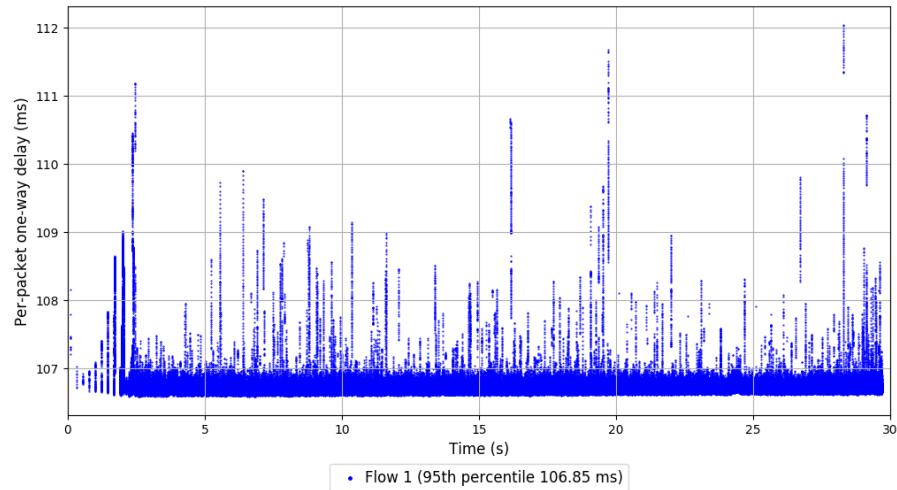
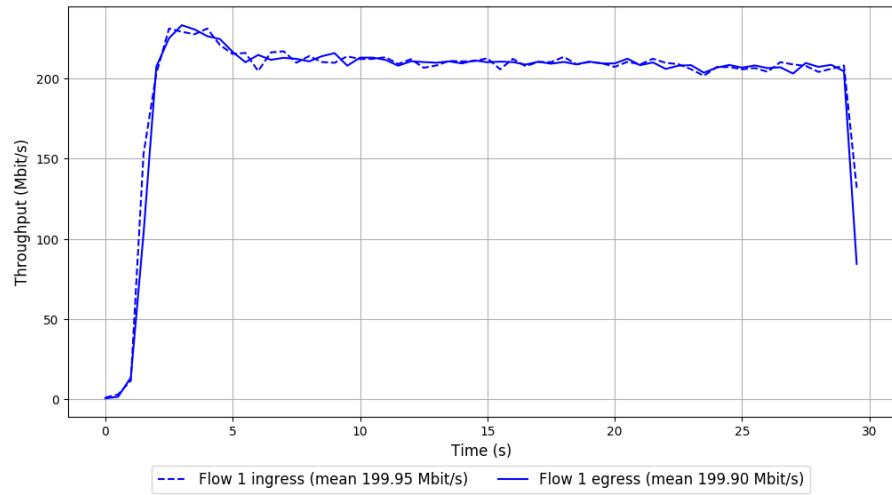
Run 10: Statistics of Indigo-1-32

Start at: 2018-02-19 19:16:18

End at: 2018-02-19 19:16:48

```
# Below is generated by plot.py at 2018-02-19 23:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.90 Mbit/s
95th percentile per-packet one-way delay: 106.848 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 199.90 Mbit/s
95th percentile per-packet one-way delay: 106.848 ms
Loss rate: 0.77%
```

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



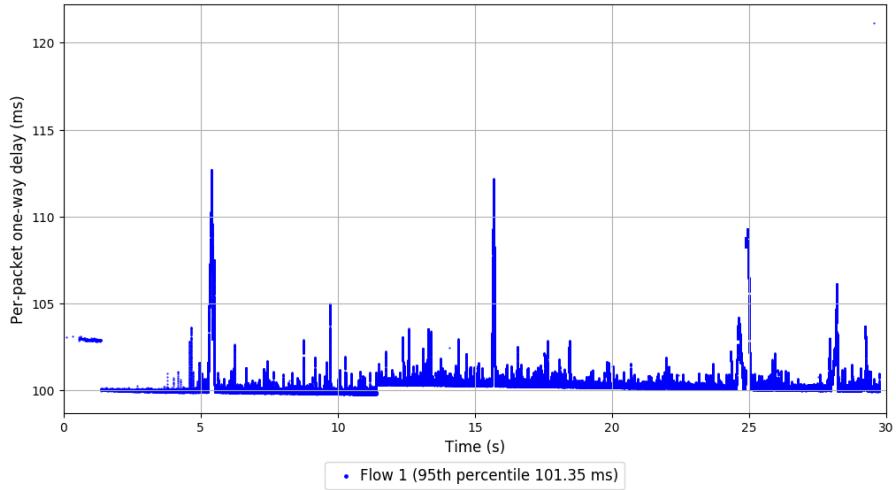
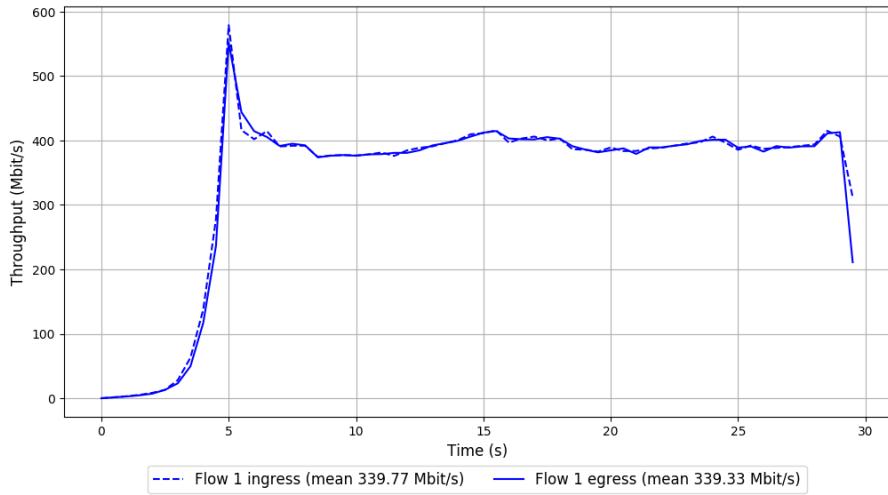
Run 1: Statistics of Vivace-latency

Start at: 2018-02-19 16:58:12

End at: 2018-02-19 16:58:42

```
# Below is generated by plot.py at 2018-02-19 23:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 339.33 Mbit/s
95th percentile per-packet one-way delay: 101.349 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 339.33 Mbit/s
95th percentile per-packet one-way delay: 101.349 ms
Loss rate: 0.89%
```

Run 1: Report of Vivace-latency — Data Link



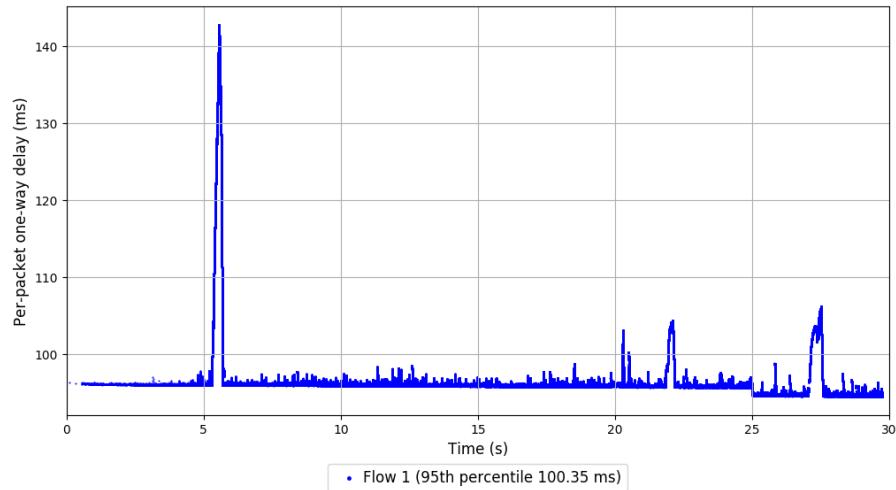
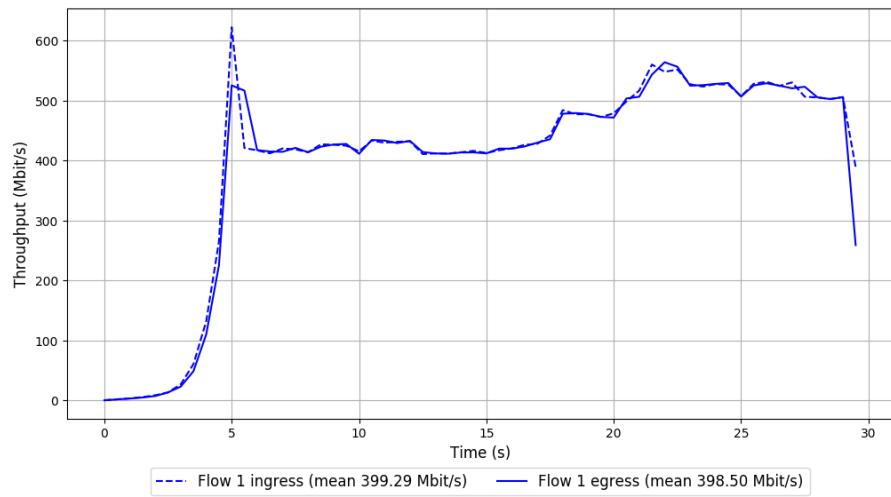
Run 2: Statistics of Vivace-latency

Start at: 2018-02-19 17:13:52

End at: 2018-02-19 17:14:22

```
# Below is generated by plot.py at 2018-02-19 23:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 398.50 Mbit/s
95th percentile per-packet one-way delay: 100.351 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 398.50 Mbit/s
95th percentile per-packet one-way delay: 100.351 ms
Loss rate: 0.94%
```

Run 2: Report of Vivace-latency — Data Link



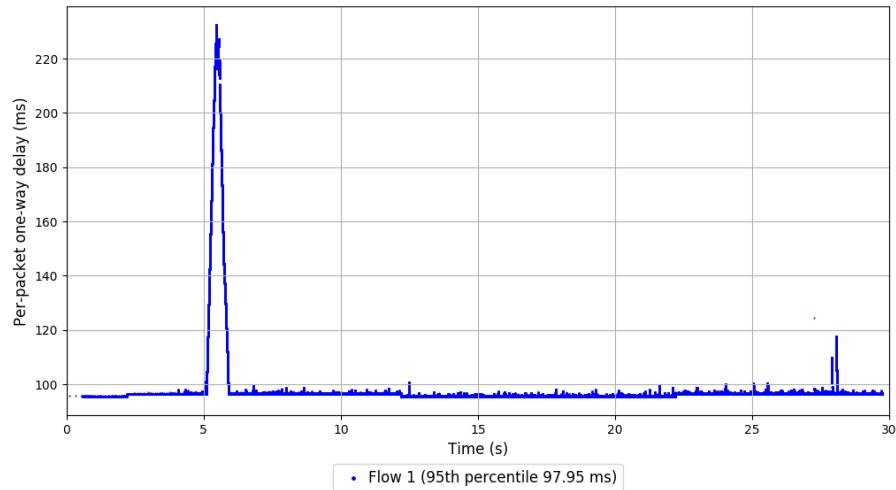
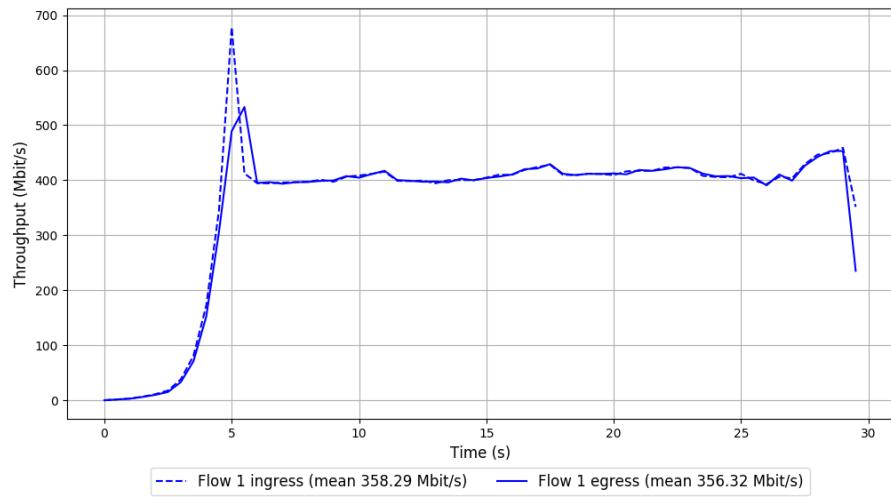
Run 3: Statistics of Vivace-latency

Start at: 2018-02-19 17:29:35

End at: 2018-02-19 17:30:05

```
# Below is generated by plot.py at 2018-02-19 23:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 356.32 Mbit/s
95th percentile per-packet one-way delay: 97.947 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 356.32 Mbit/s
95th percentile per-packet one-way delay: 97.947 ms
Loss rate: 1.29%
```

Run 3: Report of Vivace-latency — Data Link



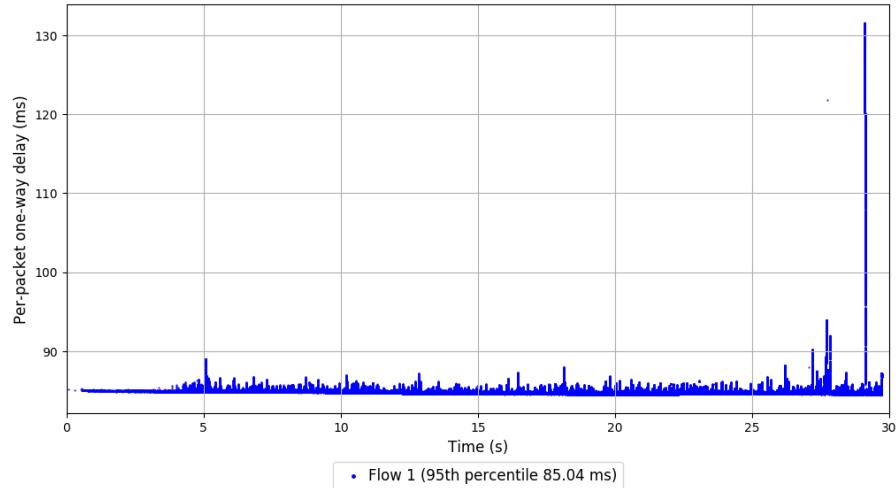
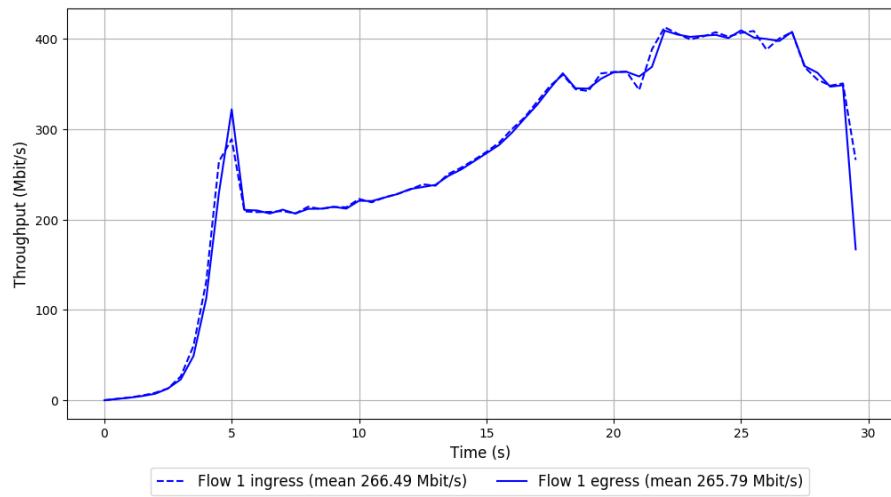
Run 4: Statistics of Vivace-latency

Start at: 2018-02-19 17:45:25

End at: 2018-02-19 17:45:55

```
# Below is generated by plot.py at 2018-02-19 23:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 265.79 Mbit/s
95th percentile per-packet one-way delay: 85.036 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 265.79 Mbit/s
95th percentile per-packet one-way delay: 85.036 ms
Loss rate: 1.01%
```

Run 4: Report of Vivace-latency — Data Link



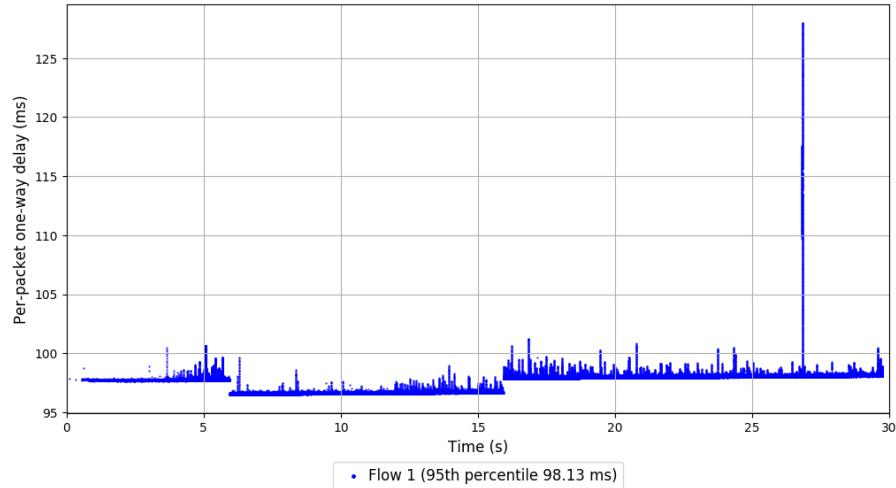
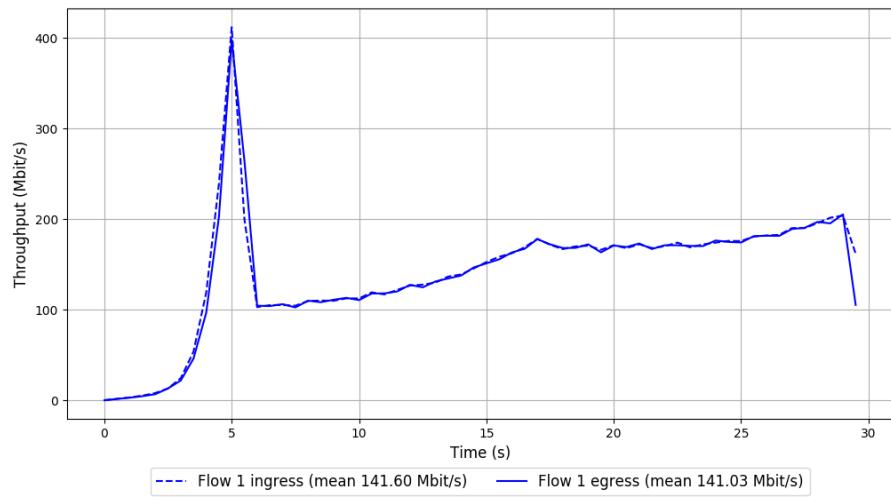
Run 5: Statistics of Vivace-latency

Start at: 2018-02-19 18:01:07

End at: 2018-02-19 18:01:37

```
# Below is generated by plot.py at 2018-02-19 23:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 141.03 Mbit/s
95th percentile per-packet one-way delay: 98.127 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 141.03 Mbit/s
95th percentile per-packet one-way delay: 98.127 ms
Loss rate: 1.15%
```

Run 5: Report of Vivace-latency — Data Link



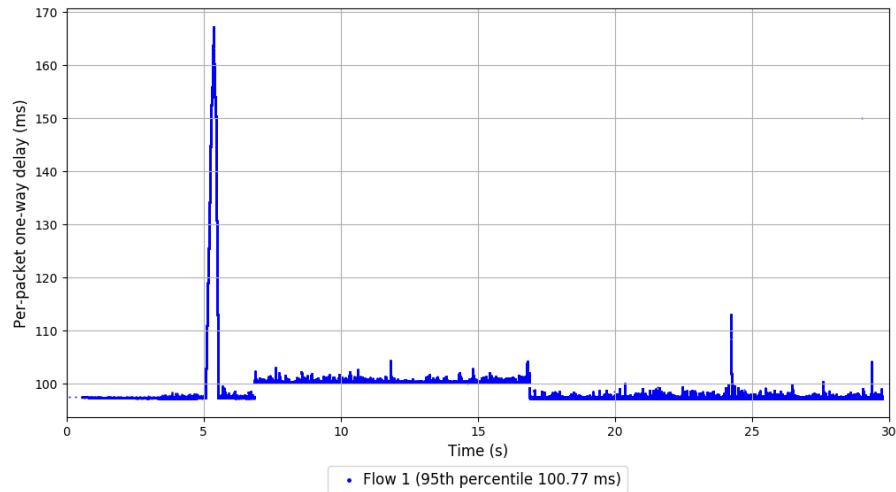
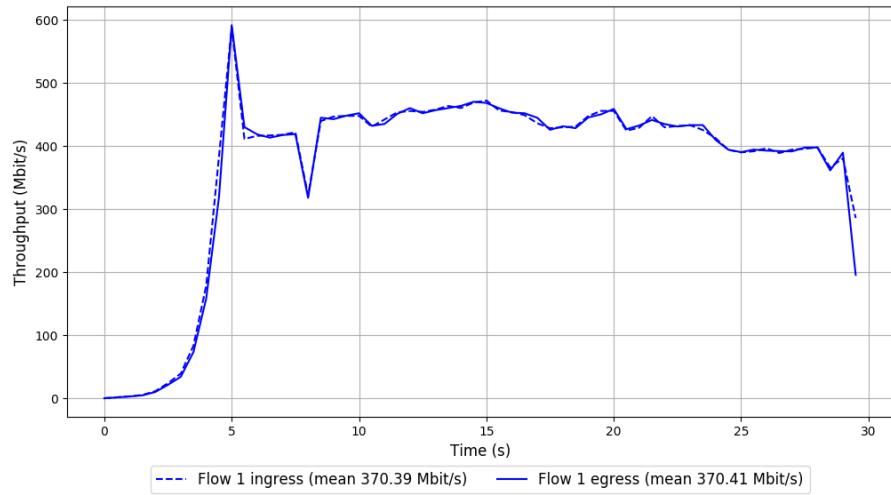
Run 6: Statistics of Vivace-latency

Start at: 2018-02-19 18:16:37

End at: 2018-02-19 18:17:07

```
# Below is generated by plot.py at 2018-02-19 23:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 370.41 Mbit/s
95th percentile per-packet one-way delay: 100.774 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 370.41 Mbit/s
95th percentile per-packet one-way delay: 100.774 ms
Loss rate: 0.74%
```

Run 6: Report of Vivace-latency — Data Link



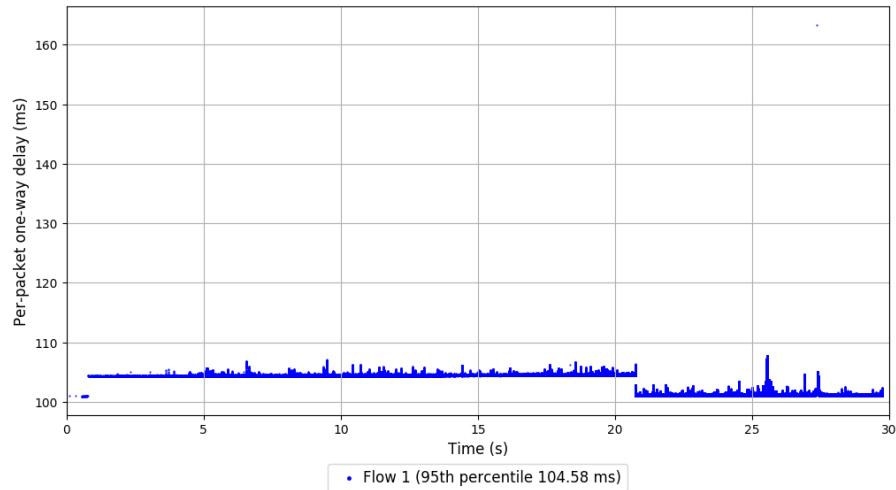
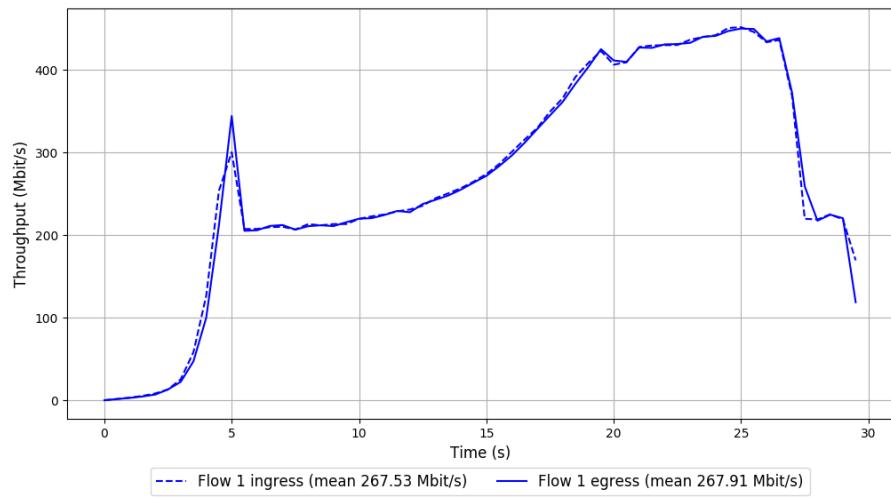
Run 7: Statistics of Vivace-latency

Start at: 2018-02-19 18:33:03

End at: 2018-02-19 18:33:33

```
# Below is generated by plot.py at 2018-02-19 23:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 267.91 Mbit/s
95th percentile per-packet one-way delay: 104.582 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 267.91 Mbit/s
95th percentile per-packet one-way delay: 104.582 ms
Loss rate: 0.60%
```

Run 7: Report of Vivace-latency — Data Link



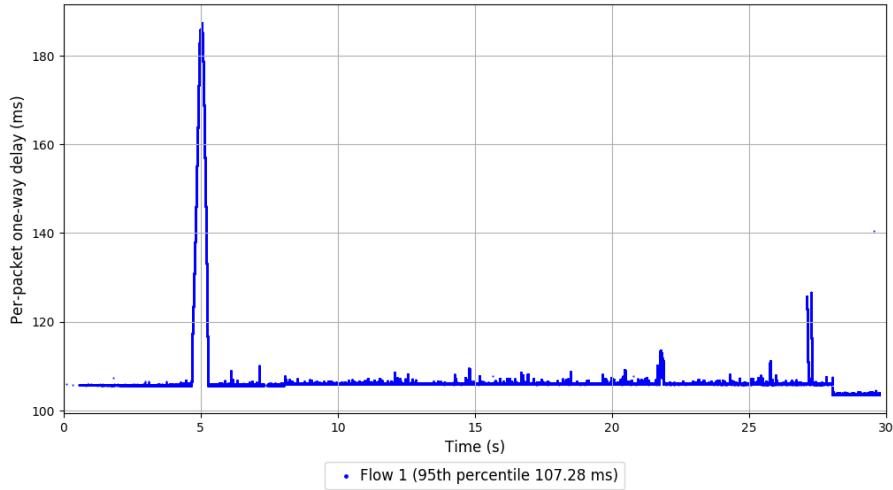
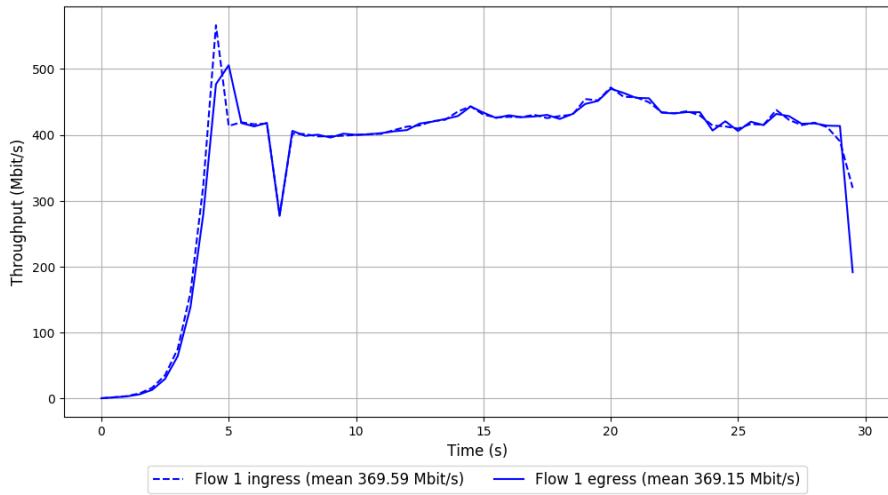
Run 8: Statistics of Vivace-latency

Start at: 2018-02-19 18:49:25

End at: 2018-02-19 18:49:55

```
# Below is generated by plot.py at 2018-02-19 23:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 369.15 Mbit/s
95th percentile per-packet one-way delay: 107.277 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 369.15 Mbit/s
95th percentile per-packet one-way delay: 107.277 ms
Loss rate: 0.86%
```

Run 8: Report of Vivace-latency — Data Link



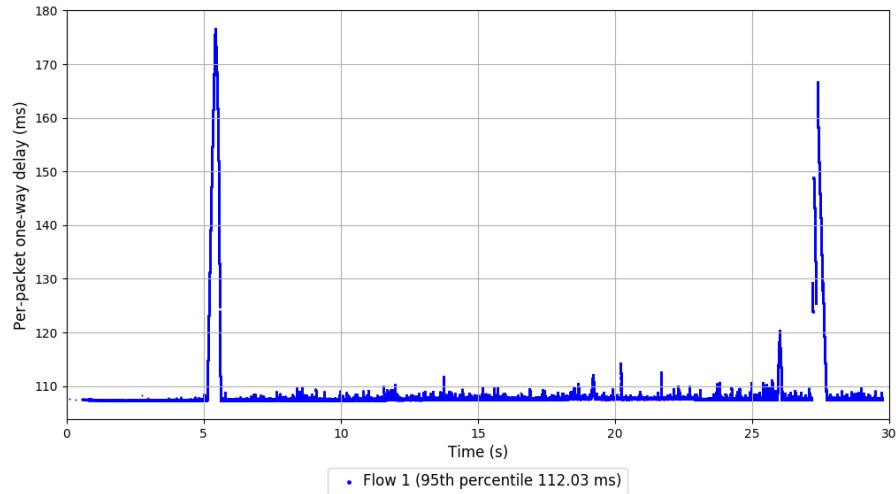
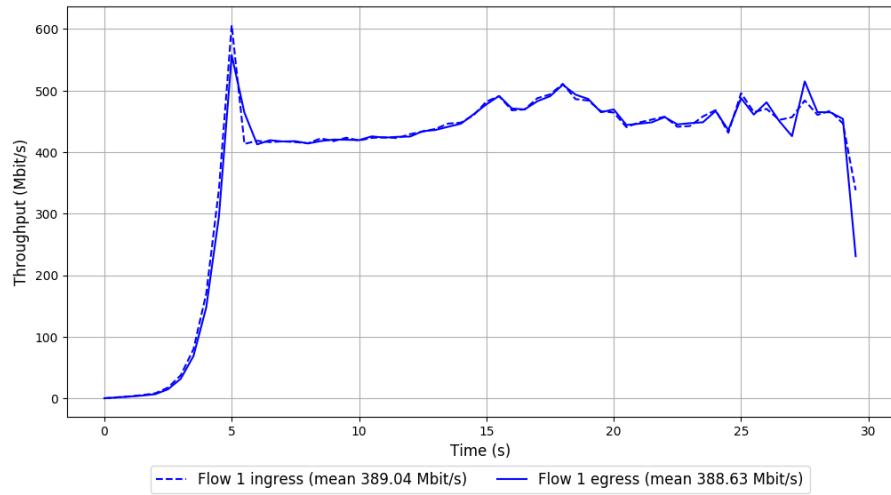
Run 9: Statistics of Vivace-latency

Start at: 2018-02-19 19:05:00

End at: 2018-02-19 19:05:30

```
# Below is generated by plot.py at 2018-02-19 23:10:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 388.63 Mbit/s
95th percentile per-packet one-way delay: 112.030 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 388.63 Mbit/s
95th percentile per-packet one-way delay: 112.030 ms
Loss rate: 0.86%
```

Run 9: Report of Vivace-latency — Data Link



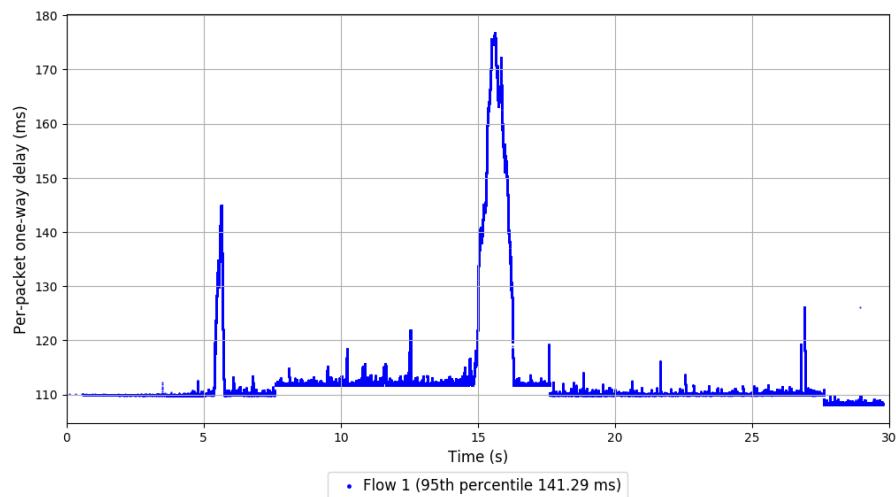
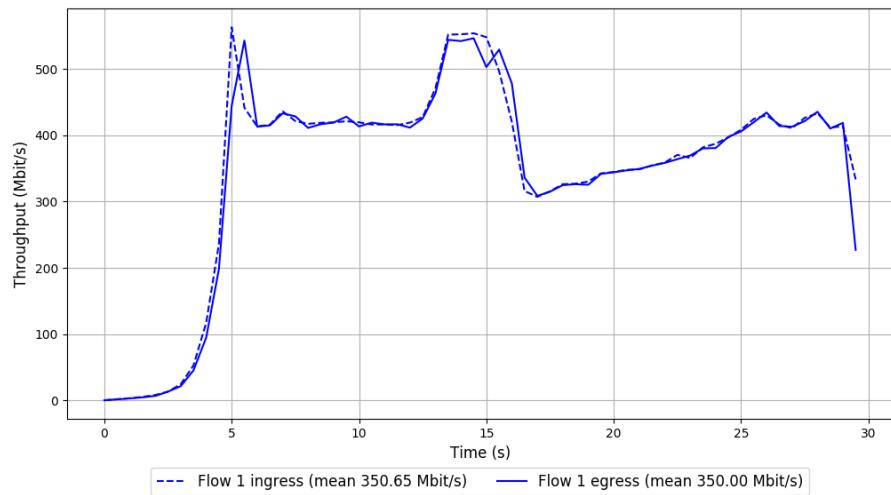
Run 10: Statistics of Vivace-latency

Start at: 2018-02-19 19:20:46

End at: 2018-02-19 19:21:16

```
# Below is generated by plot.py at 2018-02-19 23:10:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 350.00 Mbit/s
95th percentile per-packet one-way delay: 141.287 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 350.00 Mbit/s
95th percentile per-packet one-way delay: 141.287 ms
Loss rate: 0.94%
```

Run 10: Report of Vivace-latency — Data Link



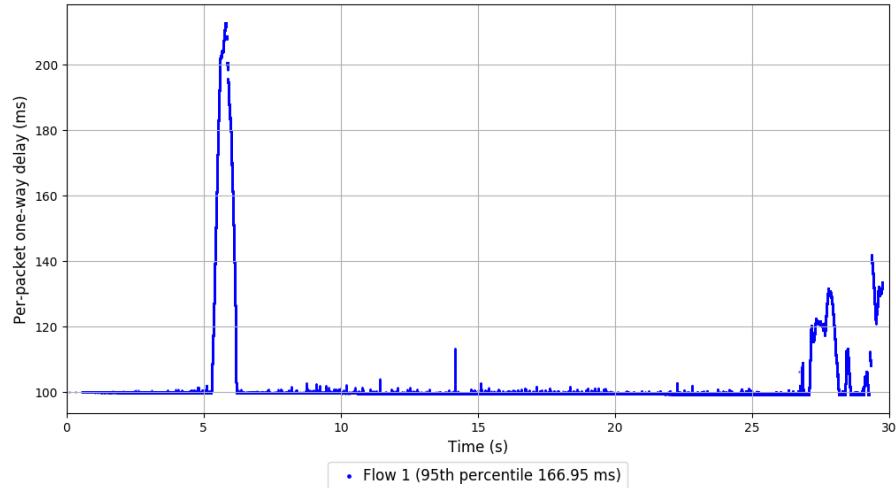
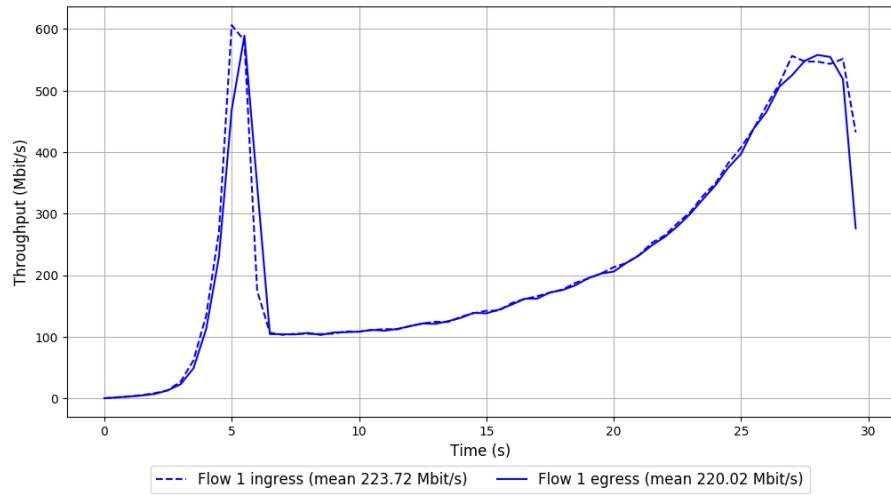
Run 1: Statistics of Vivace-loss

Start at: 2018-02-19 17:00:02

End at: 2018-02-19 17:00:32

```
# Below is generated by plot.py at 2018-02-19 23:10:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.02 Mbit/s
95th percentile per-packet one-way delay: 166.948 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 220.02 Mbit/s
95th percentile per-packet one-way delay: 166.948 ms
Loss rate: 2.40%
```

Run 1: Report of Vivace-loss — Data Link



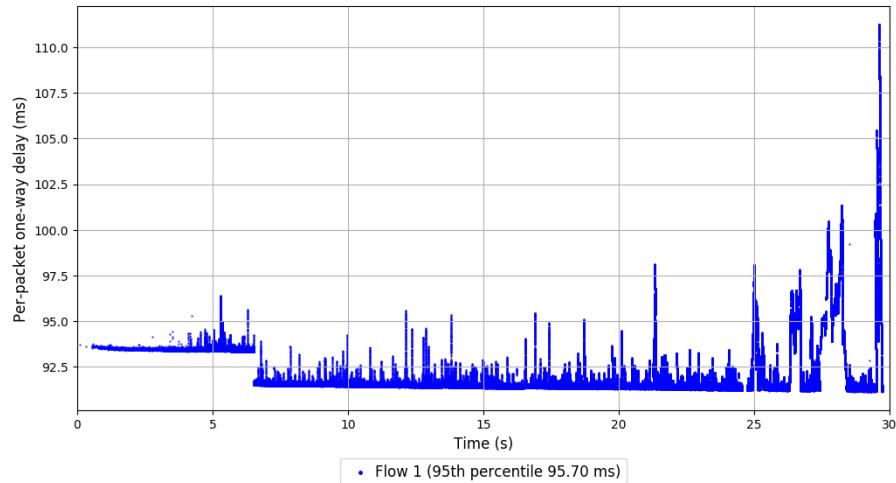
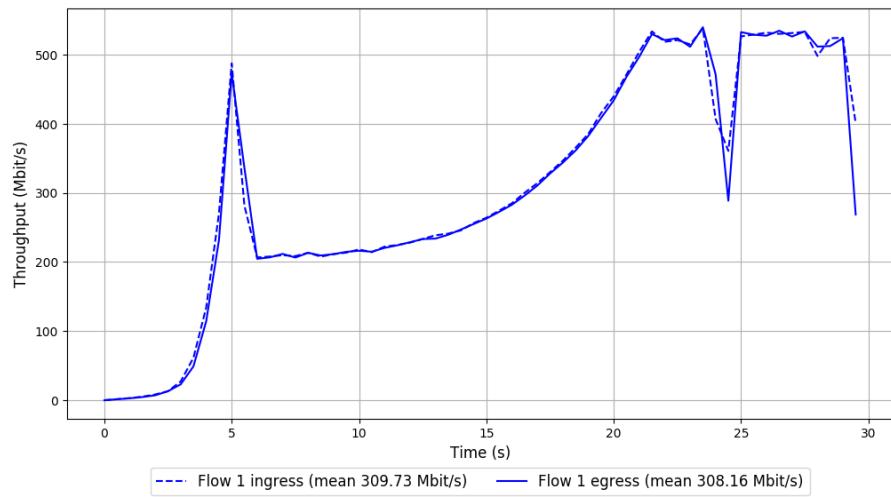
Run 2: Statistics of Vivace-loss

Start at: 2018-02-19 17:15:47

End at: 2018-02-19 17:16:17

```
# Below is generated by plot.py at 2018-02-19 23:11:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 308.16 Mbit/s
95th percentile per-packet one-way delay: 95.700 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 308.16 Mbit/s
95th percentile per-packet one-way delay: 95.700 ms
Loss rate: 1.25%
```

Run 2: Report of Vivace-loss — Data Link



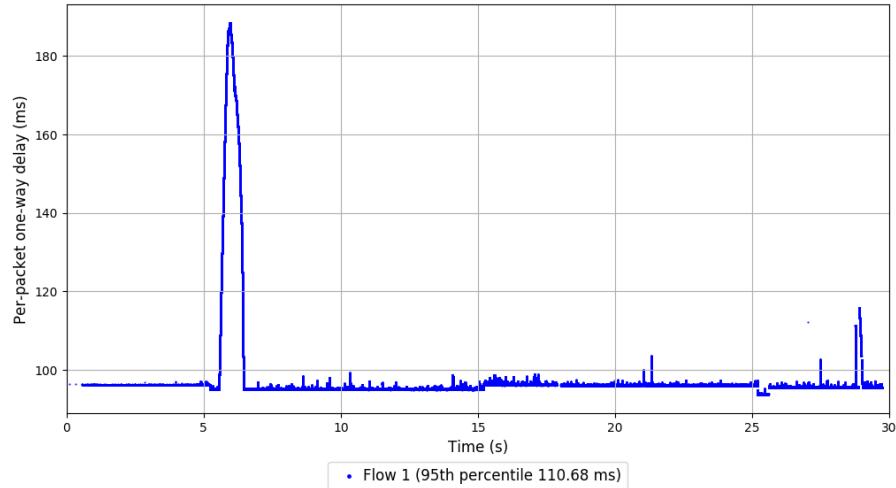
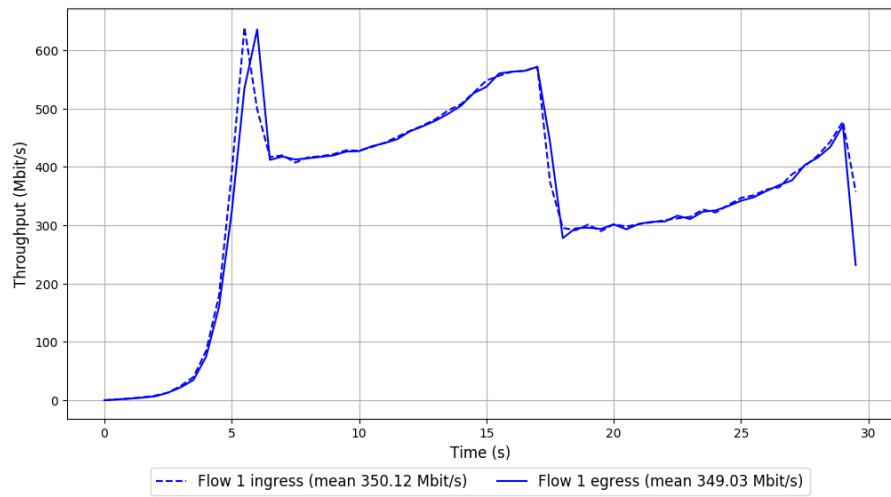
Run 3: Statistics of Vivace-loss

Start at: 2018-02-19 17:31:28

End at: 2018-02-19 17:31:58

```
# Below is generated by plot.py at 2018-02-19 23:12:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 349.03 Mbit/s
95th percentile per-packet one-way delay: 110.679 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 349.03 Mbit/s
95th percentile per-packet one-way delay: 110.679 ms
Loss rate: 1.06%
```

Run 3: Report of Vivace-loss — Data Link



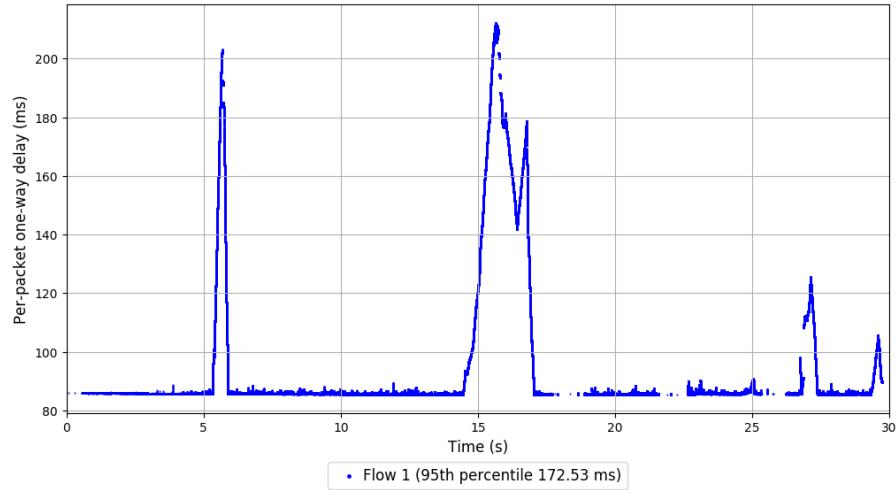
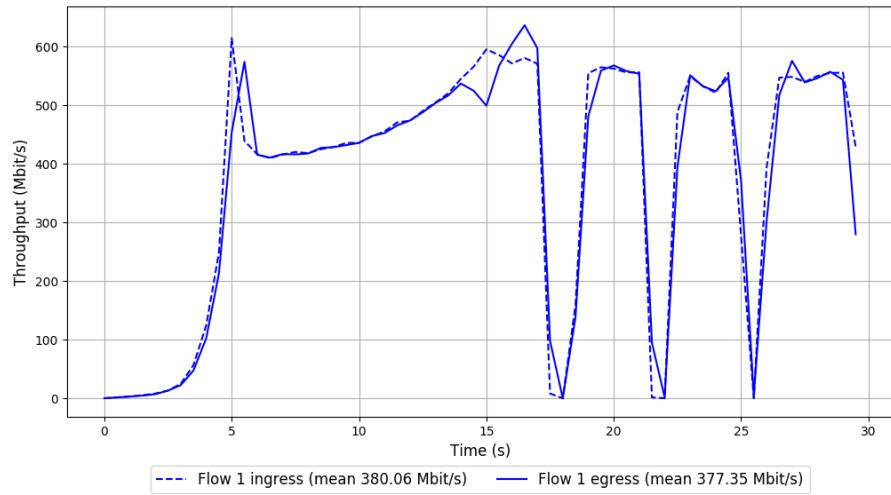
Run 4: Statistics of Vivace-loss

Start at: 2018-02-19 17:47:10

End at: 2018-02-19 17:47:40

```
# Below is generated by plot.py at 2018-02-19 23:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 377.35 Mbit/s
95th percentile per-packet one-way delay: 172.527 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 377.35 Mbit/s
95th percentile per-packet one-way delay: 172.527 ms
Loss rate: 1.46%
```

Run 4: Report of Vivace-loss — Data Link



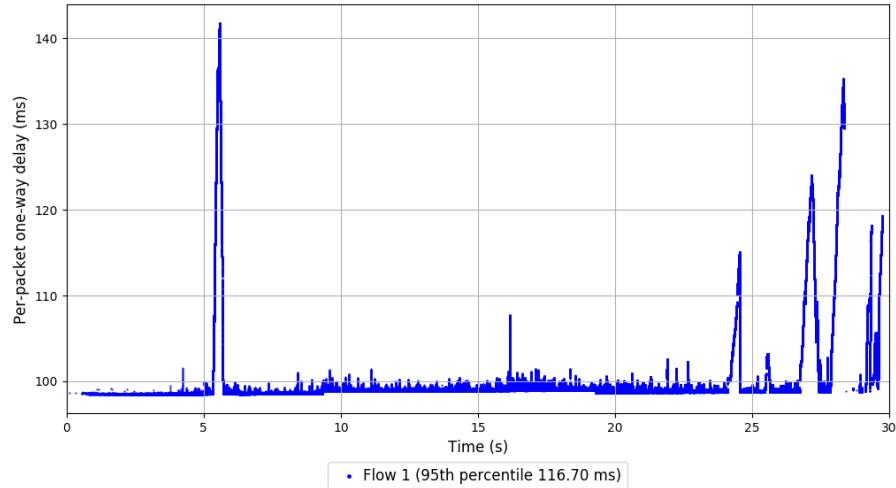
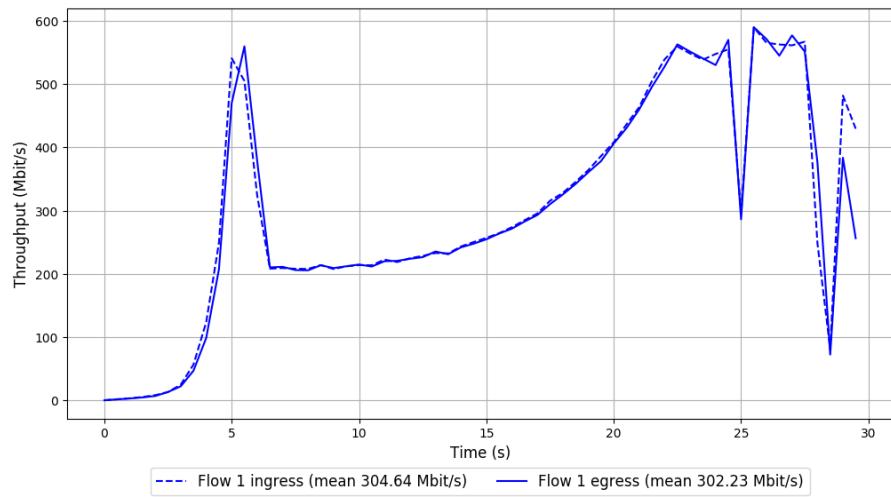
Run 5: Statistics of Vivace-loss

Start at: 2018-02-19 18:02:44

End at: 2018-02-19 18:03:14

```
# Below is generated by plot.py at 2018-02-19 23:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 302.23 Mbit/s
95th percentile per-packet one-way delay: 116.705 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 302.23 Mbit/s
95th percentile per-packet one-way delay: 116.705 ms
Loss rate: 1.54%
```

Run 5: Report of Vivace-loss — Data Link



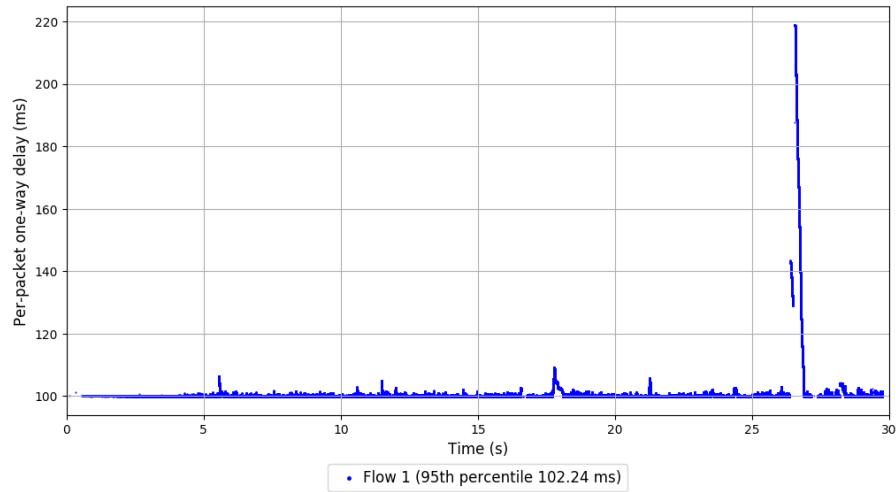
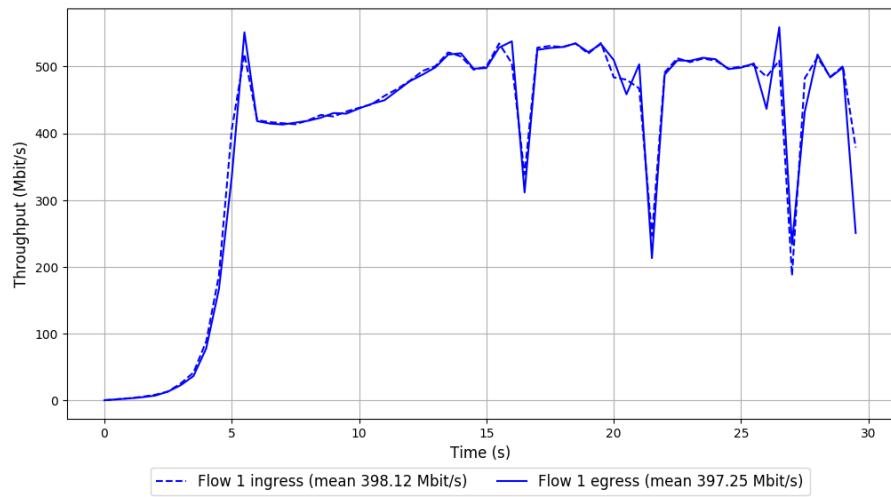
Run 6: Statistics of Vivace-loss

Start at: 2018-02-19 18:18:35

End at: 2018-02-19 18:19:05

```
# Below is generated by plot.py at 2018-02-19 23:15:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 397.25 Mbit/s
95th percentile per-packet one-way delay: 102.242 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 397.25 Mbit/s
95th percentile per-packet one-way delay: 102.242 ms
Loss rate: 0.97%
```

Run 6: Report of Vivace-loss — Data Link



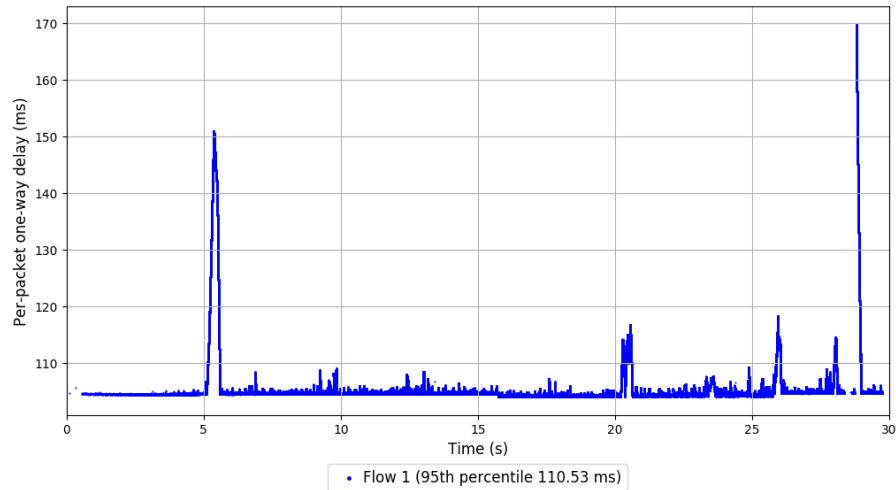
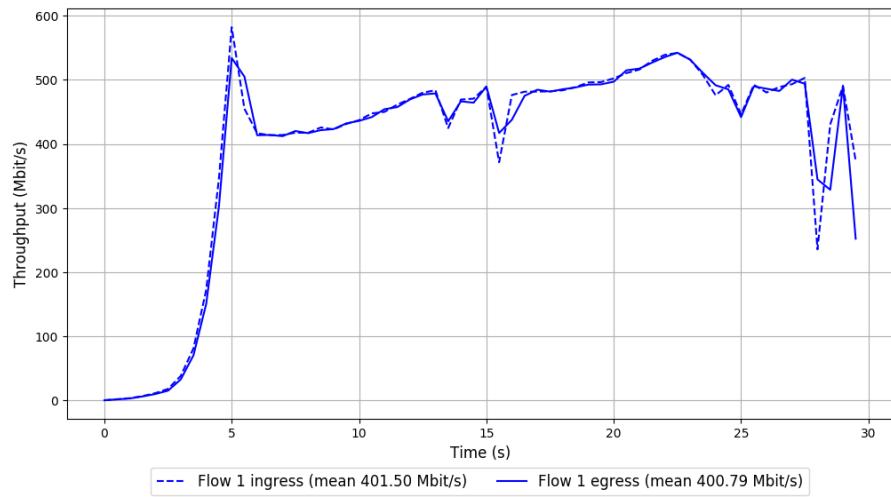
Run 7: Statistics of Vivace-loss

Start at: 2018-02-19 18:34:48

End at: 2018-02-19 18:35:18

```
# Below is generated by plot.py at 2018-02-19 23:15:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 400.79 Mbit/s
95th percentile per-packet one-way delay: 110.525 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 400.79 Mbit/s
95th percentile per-packet one-way delay: 110.525 ms
Loss rate: 0.93%
```

Run 7: Report of Vivace-loss — Data Link



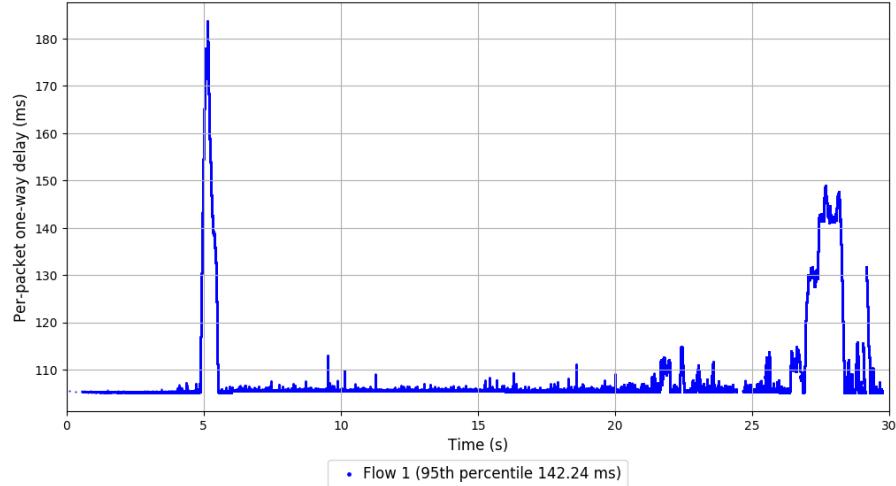
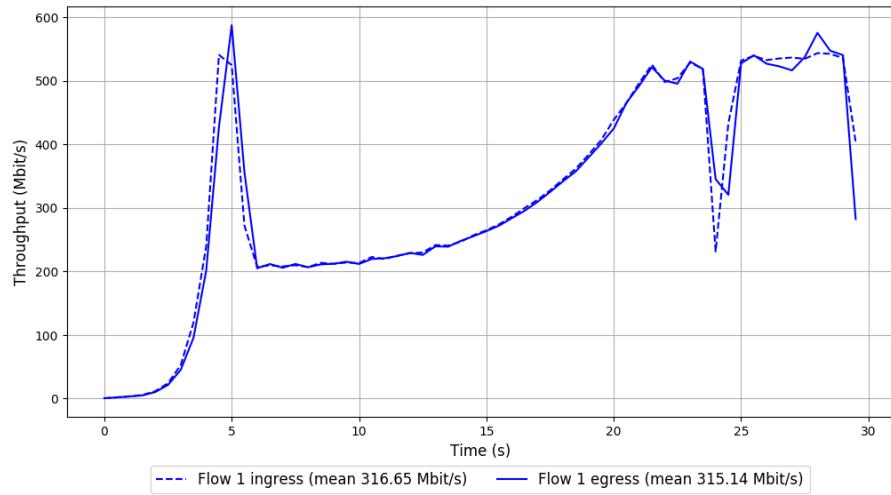
Run 8: Statistics of Vivace-loss

Start at: 2018-02-19 18:51:17

End at: 2018-02-19 18:51:47

```
# Below is generated by plot.py at 2018-02-19 23:15:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 315.14 Mbit/s
95th percentile per-packet one-way delay: 142.243 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 315.14 Mbit/s
95th percentile per-packet one-way delay: 142.243 ms
Loss rate: 1.22%
```

Run 8: Report of Vivace-loss — Data Link



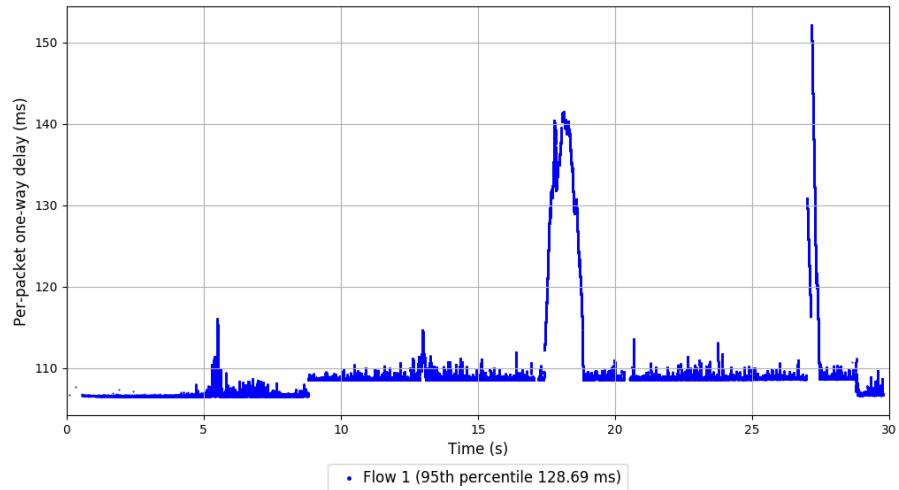
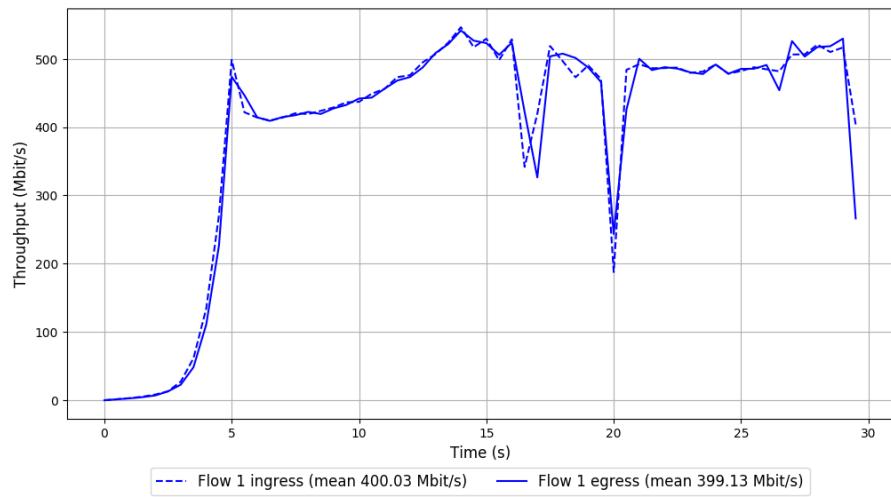
Run 9: Statistics of Vivace-loss

Start at: 2018-02-19 19:06:55

End at: 2018-02-19 19:07:25

```
# Below is generated by plot.py at 2018-02-19 23:17:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 399.13 Mbit/s
95th percentile per-packet one-way delay: 128.689 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 399.13 Mbit/s
95th percentile per-packet one-way delay: 128.689 ms
Loss rate: 0.97%
```

Run 9: Report of Vivace-loss — Data Link



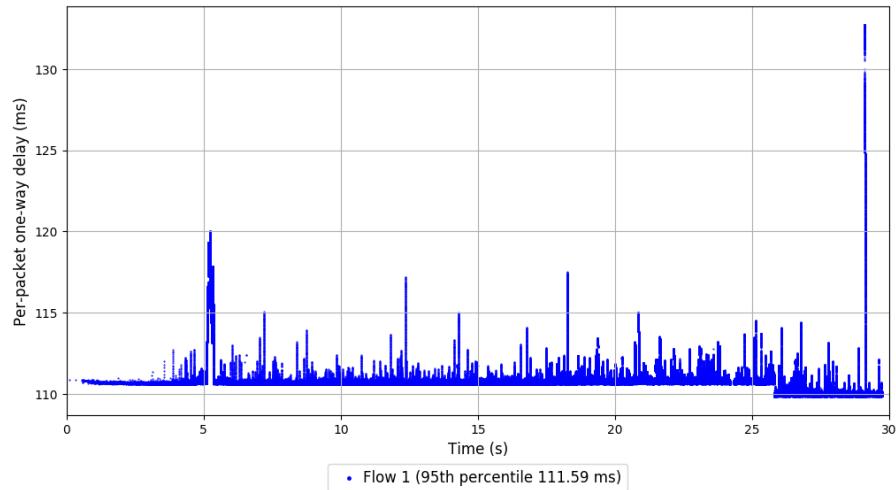
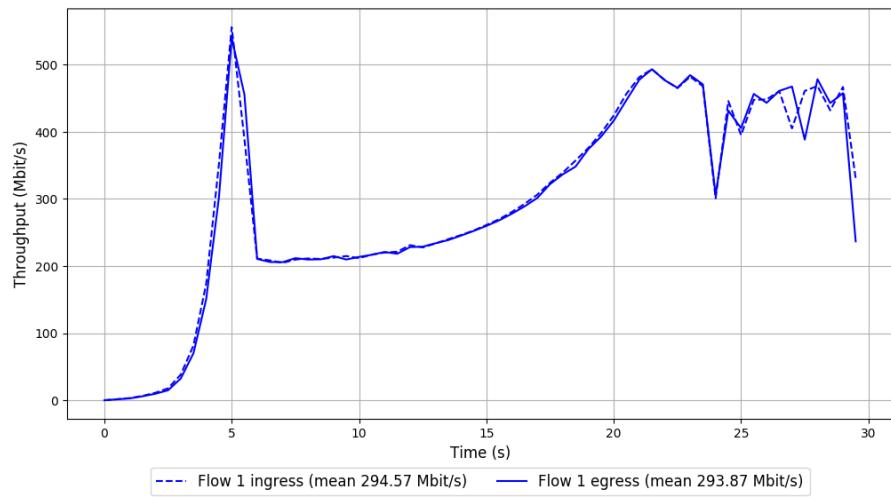
Run 10: Statistics of Vivace-loss

Start at: 2018-02-19 19:22:38

End at: 2018-02-19 19:23:08

```
# Below is generated by plot.py at 2018-02-19 23:17:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 293.87 Mbit/s
95th percentile per-packet one-way delay: 111.592 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 293.87 Mbit/s
95th percentile per-packet one-way delay: 111.592 ms
Loss rate: 1.09%
```

Run 10: Report of Vivace-loss — Data Link



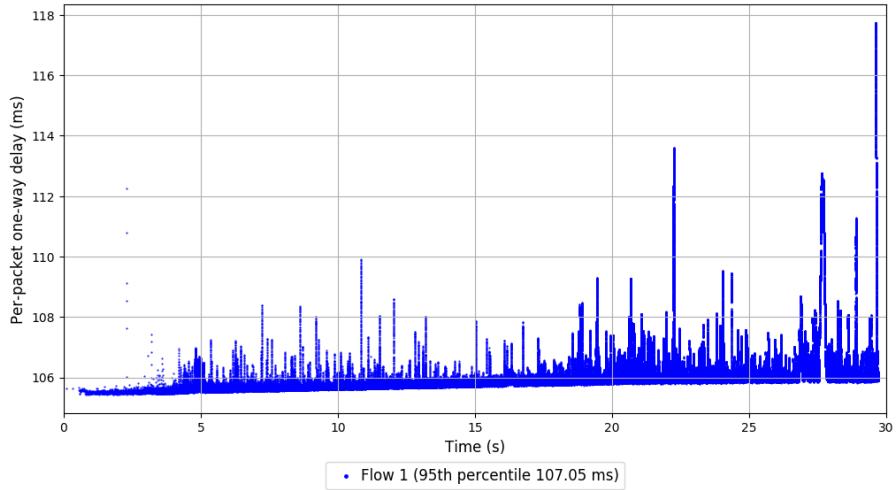
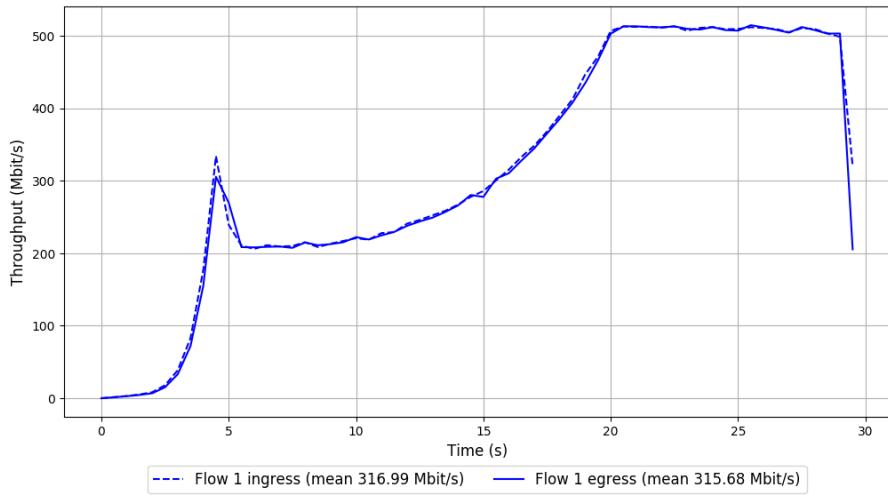
Run 1: Statistics of Vivace-LTE

Start at: 2018-02-19 16:48:56

End at: 2018-02-19 16:49:26

```
# Below is generated by plot.py at 2018-02-19 23:17:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 315.68 Mbit/s
95th percentile per-packet one-way delay: 107.050 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 315.68 Mbit/s
95th percentile per-packet one-way delay: 107.050 ms
Loss rate: 1.16%
```

Run 1: Report of Vivace-LTE — Data Link



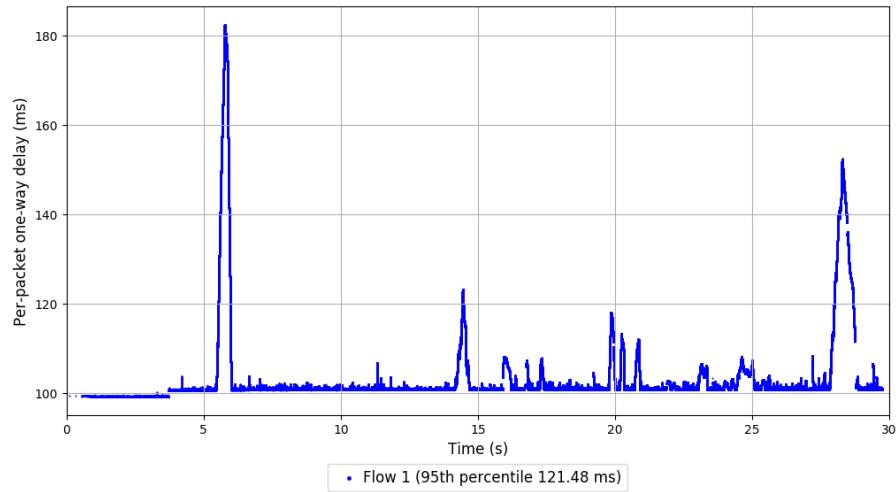
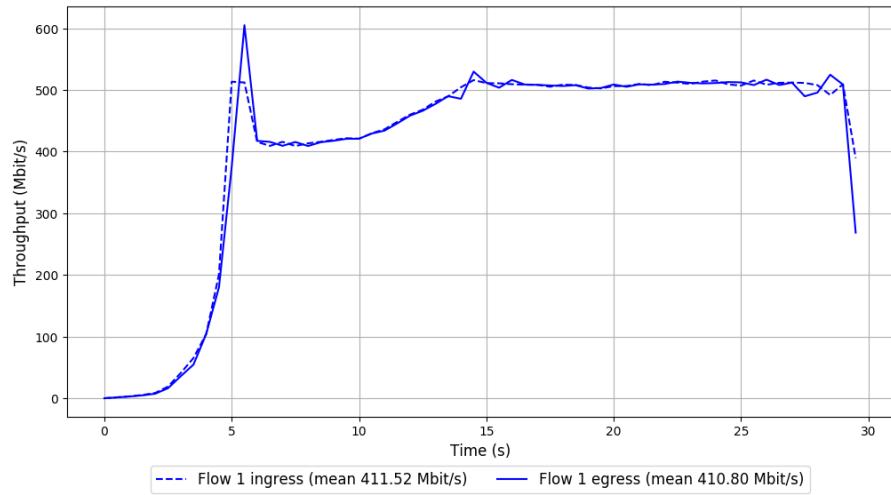
Run 2: Statistics of Vivace-LTE

Start at: 2018-02-19 17:04:14

End at: 2018-02-19 17:04:44

```
# Below is generated by plot.py at 2018-02-19 23:21:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 410.80 Mbit/s
95th percentile per-packet one-way delay: 121.481 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 410.80 Mbit/s
95th percentile per-packet one-way delay: 121.481 ms
Loss rate: 0.92%
```

Run 2: Report of Vivace-LTE — Data Link



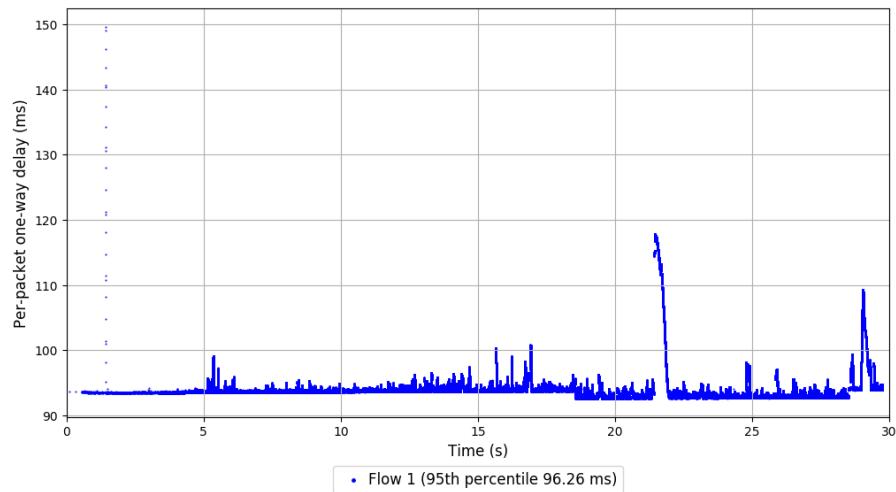
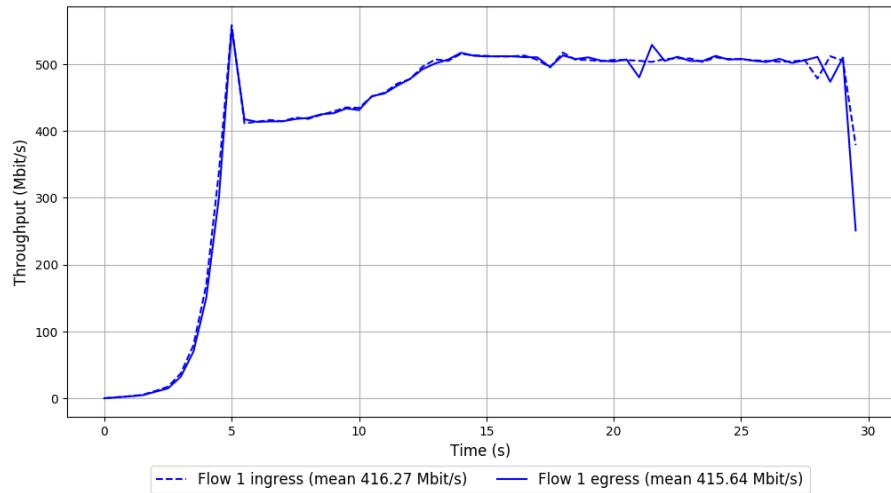
Run 3: Statistics of Vivace-LTE

Start at: 2018-02-19 17:20:05

End at: 2018-02-19 17:20:35

```
# Below is generated by plot.py at 2018-02-19 23:21:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 415.64 Mbit/s
95th percentile per-packet one-way delay: 96.256 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 415.64 Mbit/s
95th percentile per-packet one-way delay: 96.256 ms
Loss rate: 0.90%
```

Run 3: Report of Vivace-LTE — Data Link



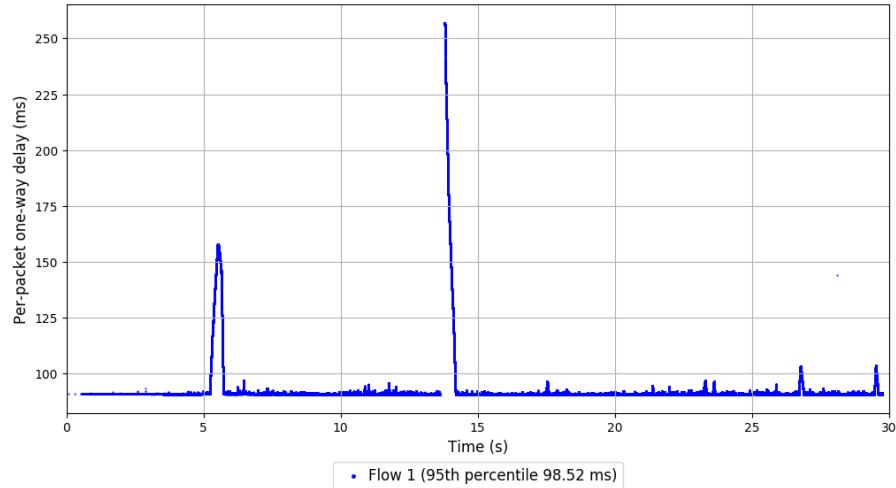
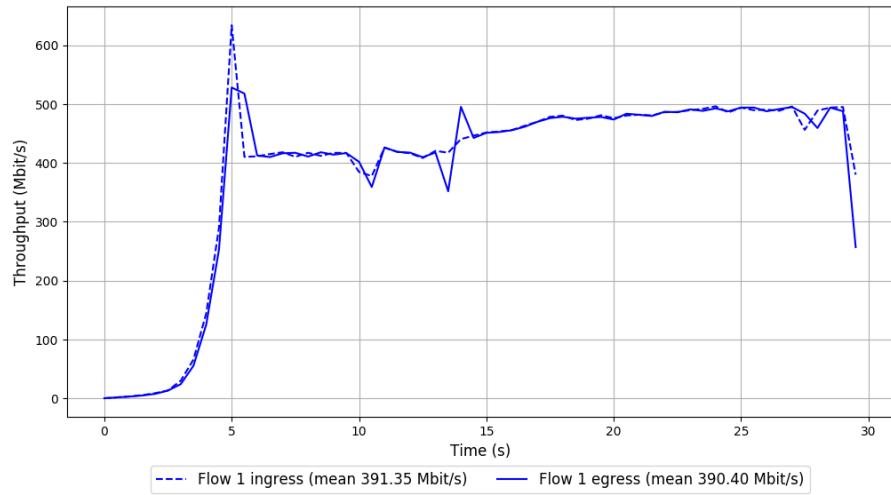
Run 4: Statistics of Vivace-LTE

Start at: 2018-02-19 17:35:50

End at: 2018-02-19 17:36:20

```
# Below is generated by plot.py at 2018-02-19 23:21:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 390.40 Mbit/s
95th percentile per-packet one-way delay: 98.517 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 390.40 Mbit/s
95th percentile per-packet one-way delay: 98.517 ms
Loss rate: 0.99%
```

Run 4: Report of Vivace-LTE — Data Link



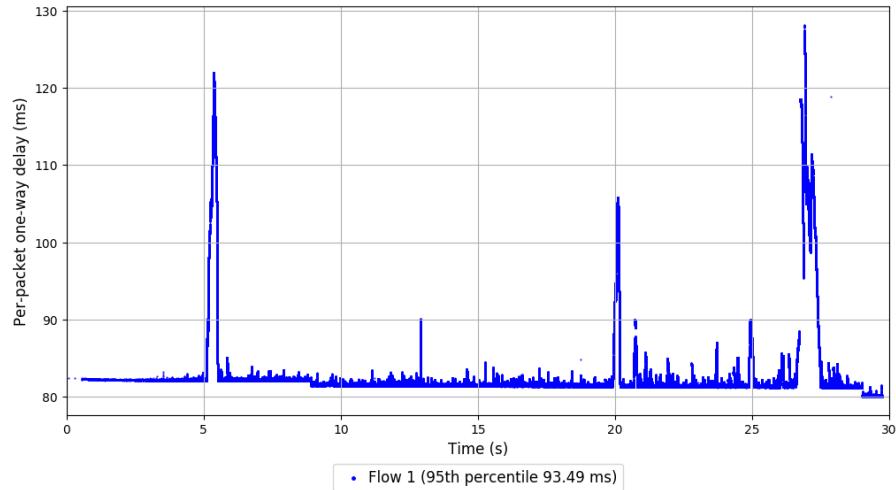
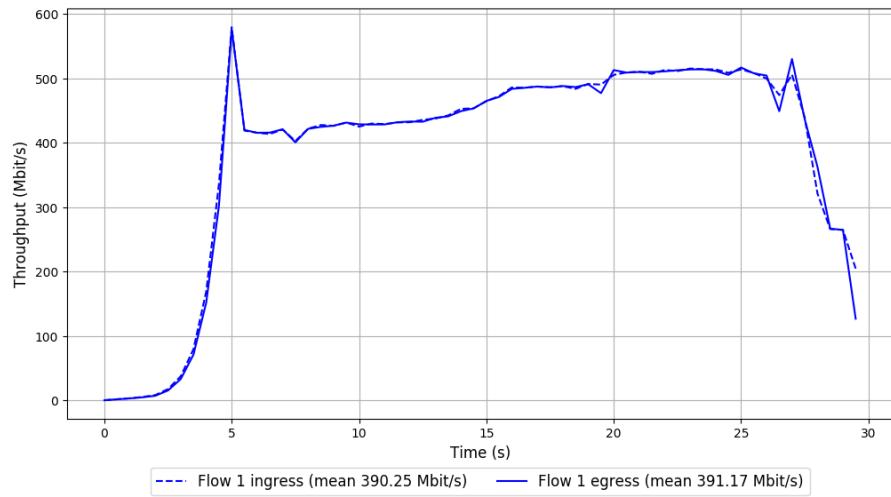
Run 5: Statistics of Vivace-LTE

Start at: 2018-02-19 17:51:34

End at: 2018-02-19 17:52:04

```
# Below is generated by plot.py at 2018-02-19 23:22:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 391.17 Mbit/s
95th percentile per-packet one-way delay: 93.489 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 391.17 Mbit/s
95th percentile per-packet one-way delay: 93.489 ms
Loss rate: 0.52%
```

## Run 5: Report of Vivace-LTE — Data Link



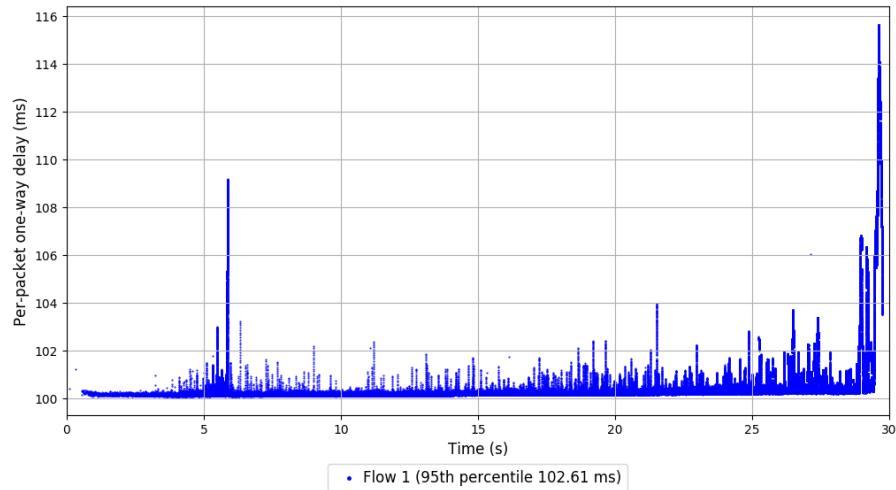
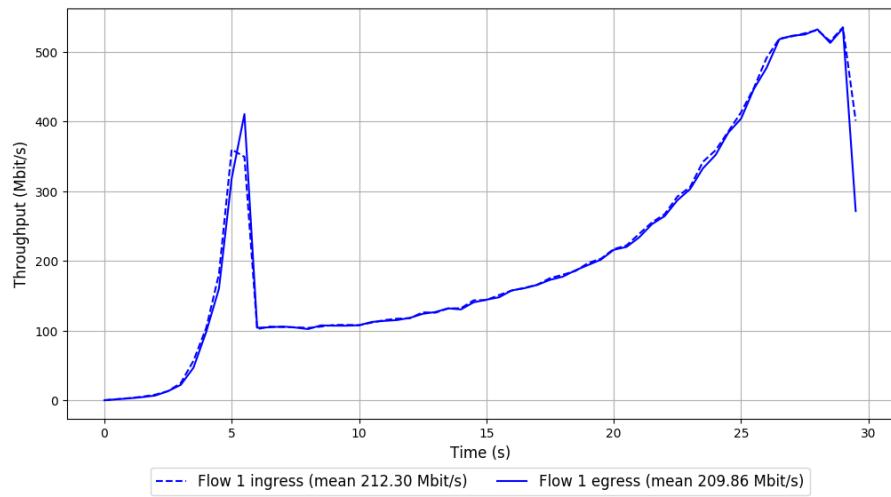
Run 6: Statistics of Vivace-LTE

Start at: 2018-02-19 18:07:04

End at: 2018-02-19 18:07:34

```
# Below is generated by plot.py at 2018-02-19 23:22:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.86 Mbit/s
95th percentile per-packet one-way delay: 102.612 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 209.86 Mbit/s
95th percentile per-packet one-way delay: 102.612 ms
Loss rate: 1.89%
```

Run 6: Report of Vivace-LTE — Data Link



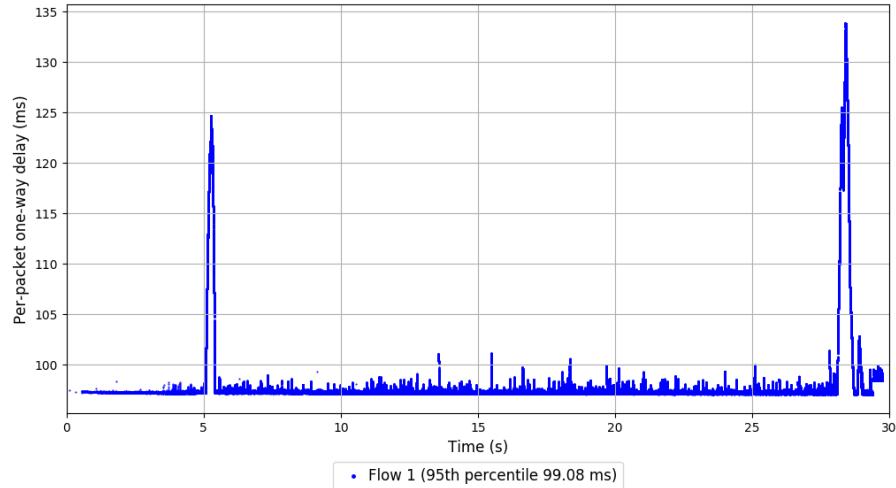
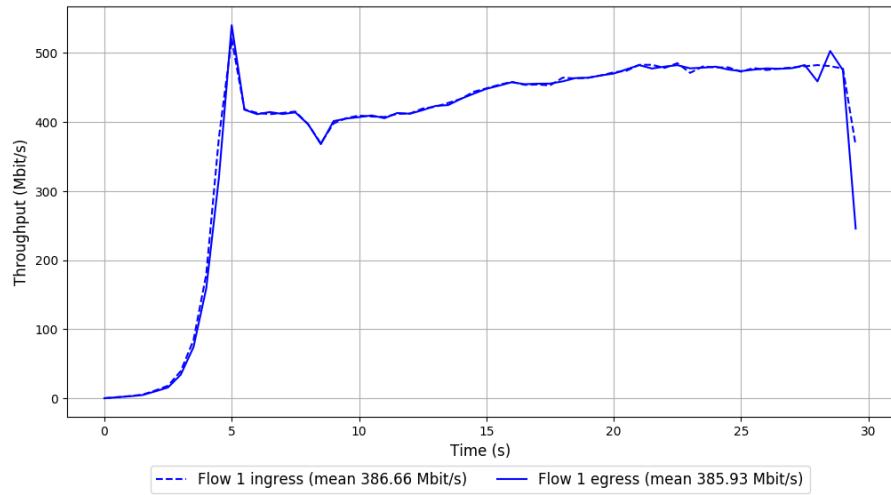
Run 7: Statistics of Vivace-LTE

Start at: 2018-02-19 18:23:14

End at: 2018-02-19 18:23:44

```
# Below is generated by plot.py at 2018-02-19 23:22:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 385.93 Mbit/s
95th percentile per-packet one-way delay: 99.085 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 385.93 Mbit/s
95th percentile per-packet one-way delay: 99.085 ms
Loss rate: 0.94%
```

Run 7: Report of Vivace-LTE — Data Link



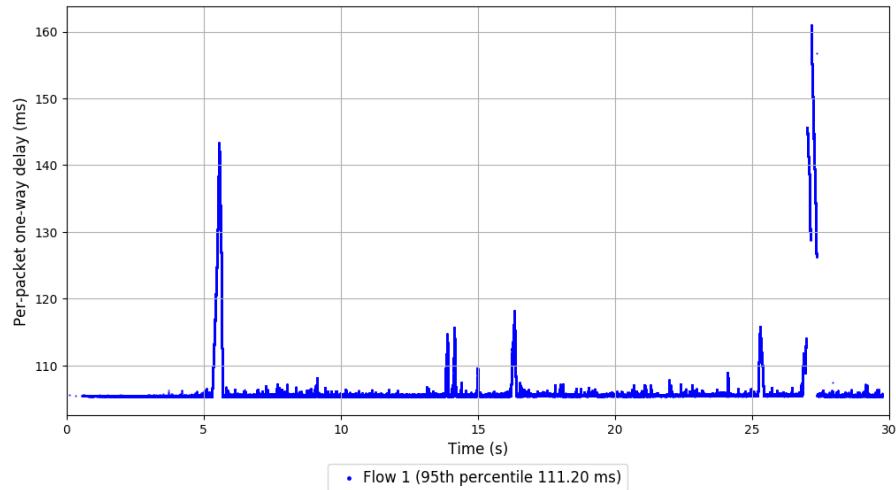
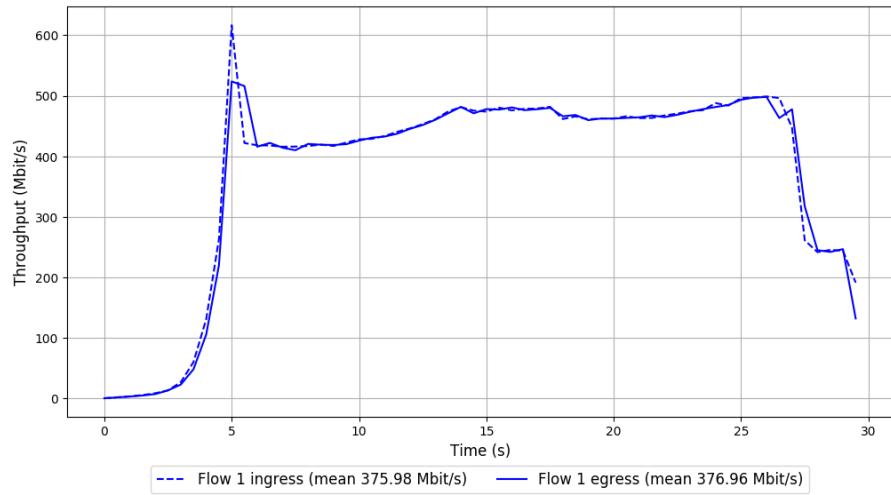
Run 8: Statistics of Vivace-LTE

Start at: 2018-02-19 18:39:53

End at: 2018-02-19 18:40:23

```
# Below is generated by plot.py at 2018-02-19 23:22:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 376.96 Mbit/s
95th percentile per-packet one-way delay: 111.203 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 376.96 Mbit/s
95th percentile per-packet one-way delay: 111.203 ms
Loss rate: 0.49%
```

Run 8: Report of Vivace-LTE — Data Link



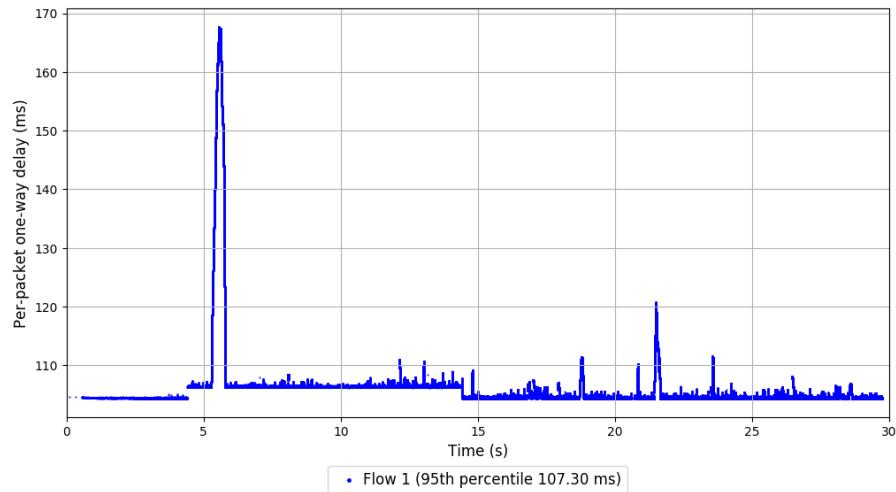
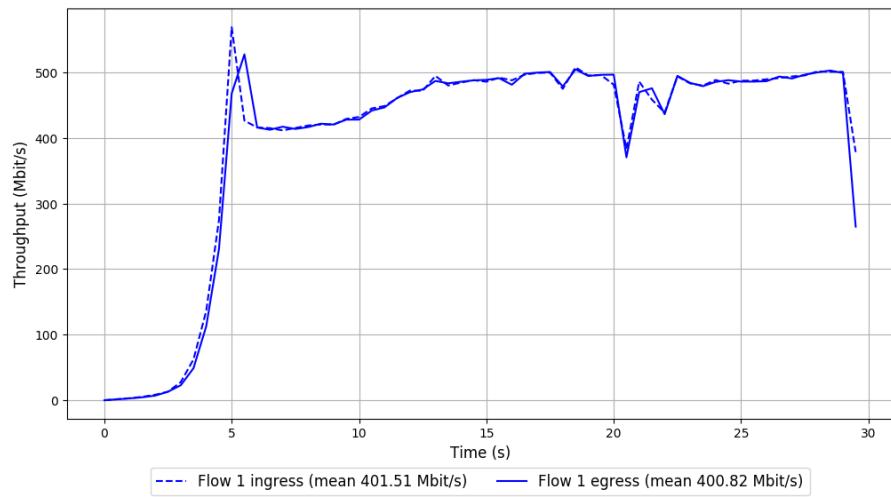
Run 9: Statistics of Vivace-LTE

Start at: 2018-02-19 18:55:39

End at: 2018-02-19 18:56:09

```
# Below is generated by plot.py at 2018-02-19 23:22:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 400.82 Mbit/s
95th percentile per-packet one-way delay: 107.295 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 400.82 Mbit/s
95th percentile per-packet one-way delay: 107.295 ms
Loss rate: 0.91%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-19 19:11:21

End at: 2018-02-19 19:11:51

```
# Below is generated by plot.py at 2018-02-19 23:22:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 362.46 Mbit/s
95th percentile per-packet one-way delay: 114.470 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 362.46 Mbit/s
95th percentile per-packet one-way delay: 114.470 ms
Loss rate: 0.91%
```

Run 10: Report of Vivace-LTE — Data Link

