

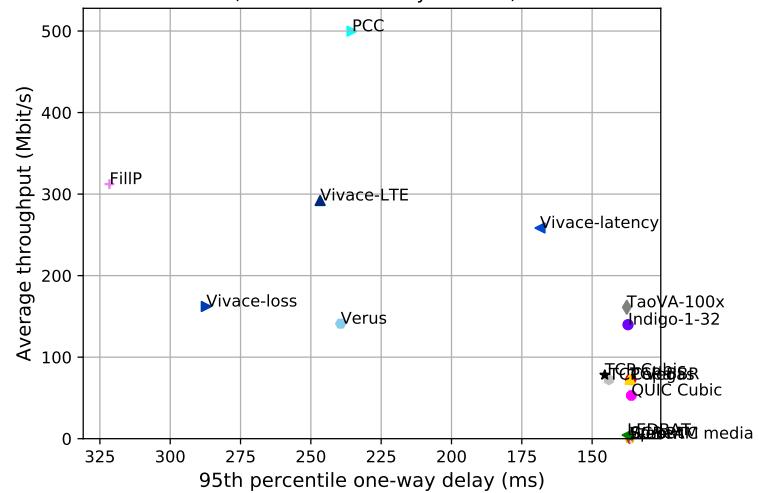
Pantheon Report

Generated at 2018-04-11 01:47:50 (UTC).
Data path: GCE London Ethernet (*remote*) → GCE Sydney 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**).

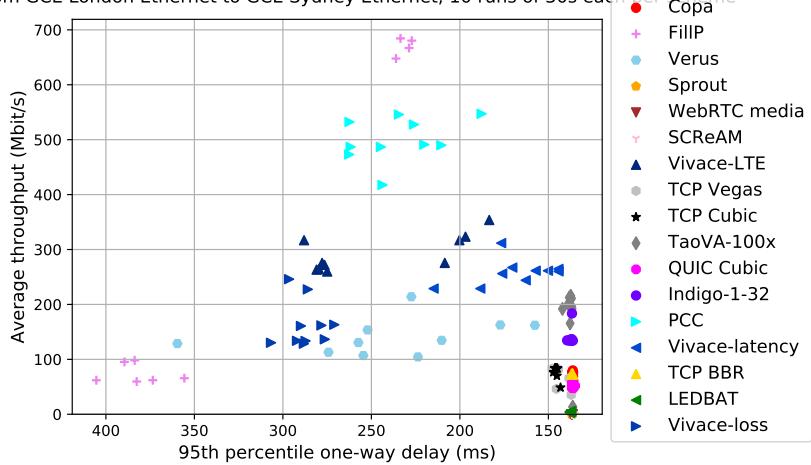
Git summary:

```
branch: master @ eb420b5be9bafcc22cf68b99ff5a2000462fc59
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
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 @ f271183af822eee5d0031620f4bebfb38aedc5581
```

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



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



| scheme | # runs | mean avg tput (Mbit/s) flow 1 | mean 95th-%ile delay (ms) flow 1 | mean loss rate (%) flow 1 |
|----------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR | 10 | 72.92 | 136.56 | 1.01 |
| TCP Cubic | 10 | 78.16 | 145.52 | 1.00 |
| LEDBAT | 10 | 4.39 | 137.56 | 1.93 |
| PCC | 10 | 499.79 | 235.34 | 3.08 |
| QUIC Cubic | 9 | 53.01 | 136.07 | 1.32 |
| SCReAM | 10 | 0.22 | 136.23 | 0.88 |
| WebRTC media | 10 | 0.06 | 136.69 | 0.00 |
| Sprout | 10 | 0.42 | 136.61 | 0.79 |
| TaoVA-100x | 10 | 161.17 | 137.68 | 0.96 |
| TCP Vegas | 10 | 72.40 | 144.05 | 0.96 |
| Verus | 10 | 141.06 | 239.40 | 2.51 |
| Copa | 10 | 72.59 | 136.25 | 0.90 |
| FillP | 10 | 312.23 | 321.60 | 12.85 |
| Indigo-1-32 | 10 | 139.85 | 137.24 | 0.96 |
| Vivace-latency | 10 | 258.42 | 168.53 | 1.72 |
| Vivace-loss | 10 | 162.14 | 287.17 | 8.09 |
| Vivace-LTE | 10 | 292.17 | 246.69 | 2.17 |

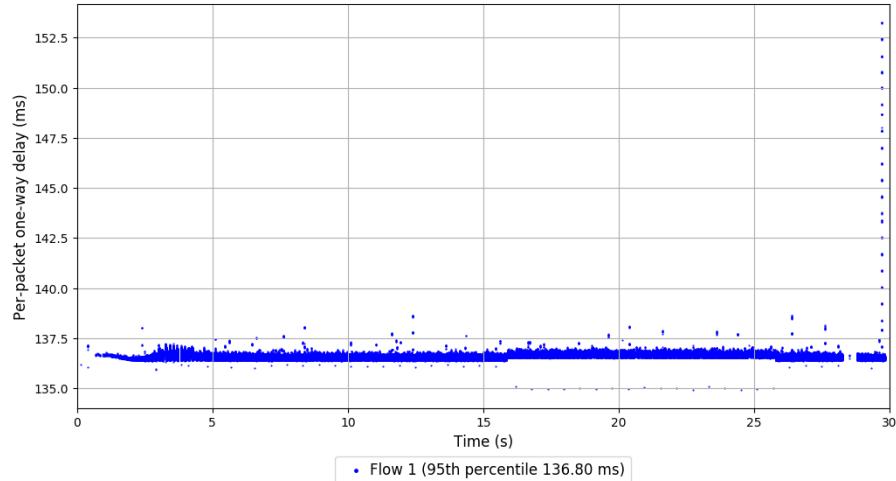
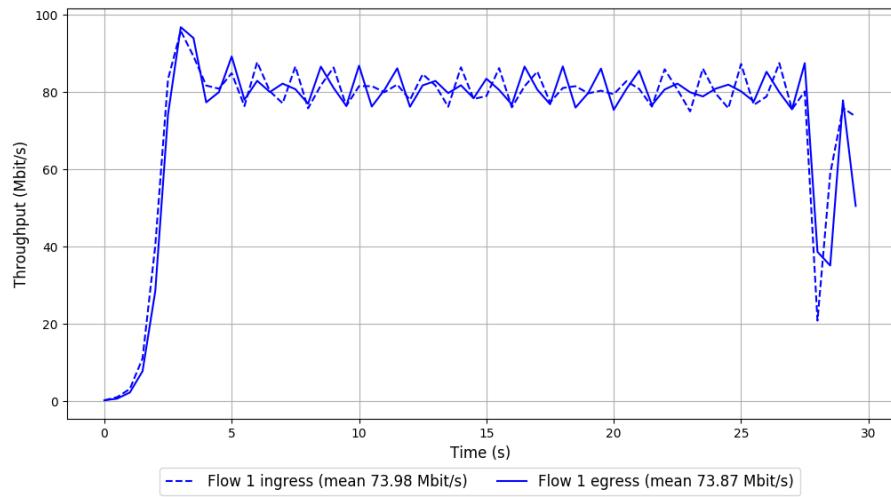
Run 1: Statistics of TCP BBR

Start at: 2018-04-10 19:39:24

End at: 2018-04-10 19:39:54

```
# Below is generated by plot.py at 2018-04-11 00:52:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.87 Mbit/s
95th percentile per-packet one-way delay: 136.798 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 73.87 Mbit/s
95th percentile per-packet one-way delay: 136.798 ms
Loss rate: 1.01%
```

Run 1: Report of TCP BBR — Data Link



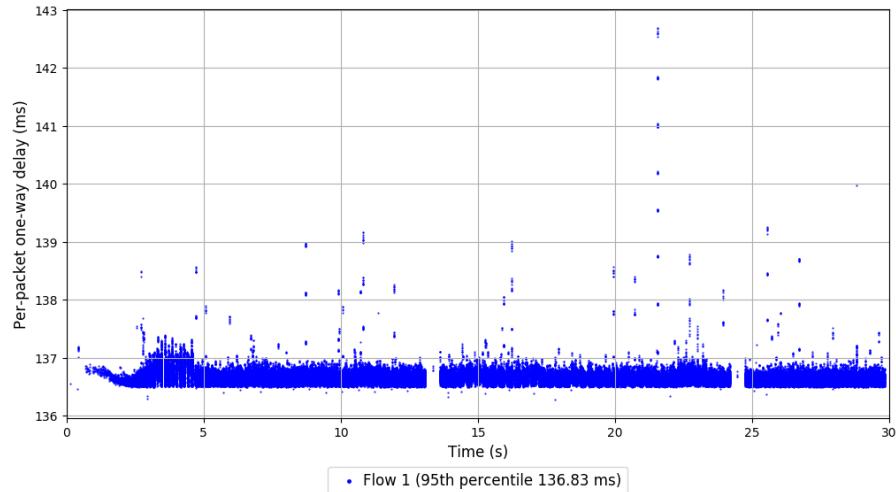
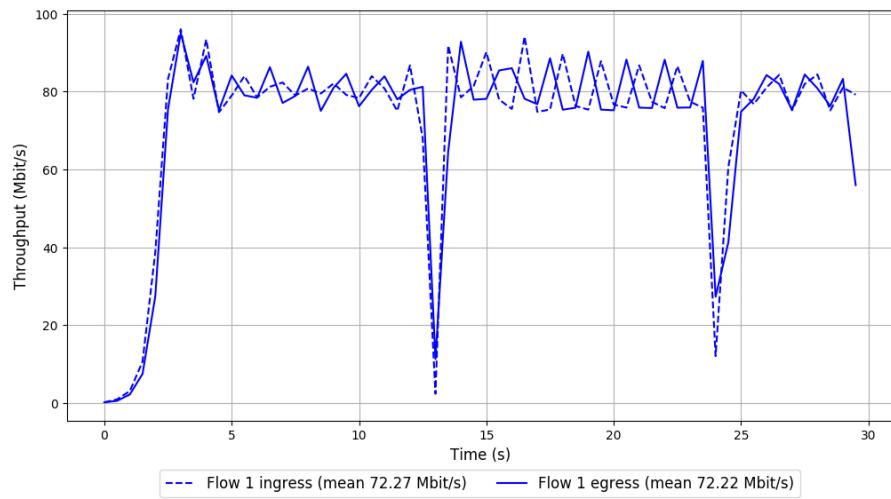
Run 2: Statistics of TCP BBR

Start at: 2018-04-10 19:54:43

End at: 2018-04-10 19:55:13

```
# Below is generated by plot.py at 2018-04-11 00:52:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.22 Mbit/s
95th percentile per-packet one-way delay: 136.834 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 72.22 Mbit/s
95th percentile per-packet one-way delay: 136.834 ms
Loss rate: 1.00%
```

Run 2: Report of TCP BBR — Data Link



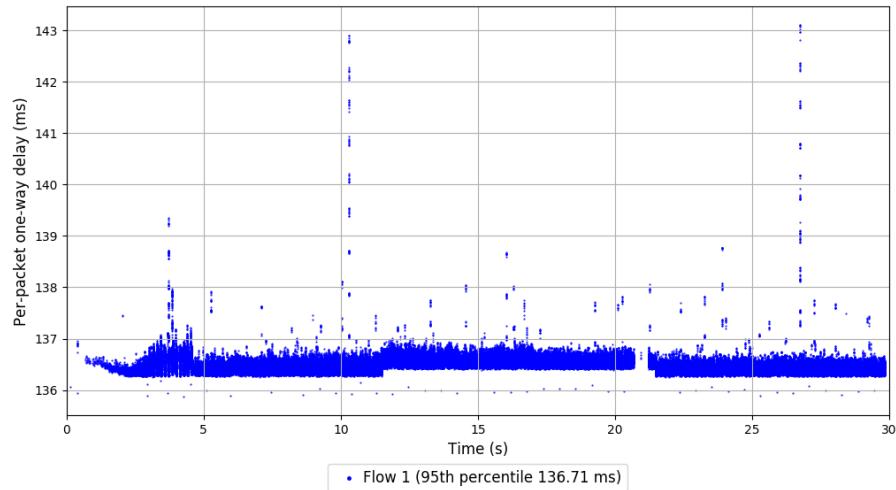
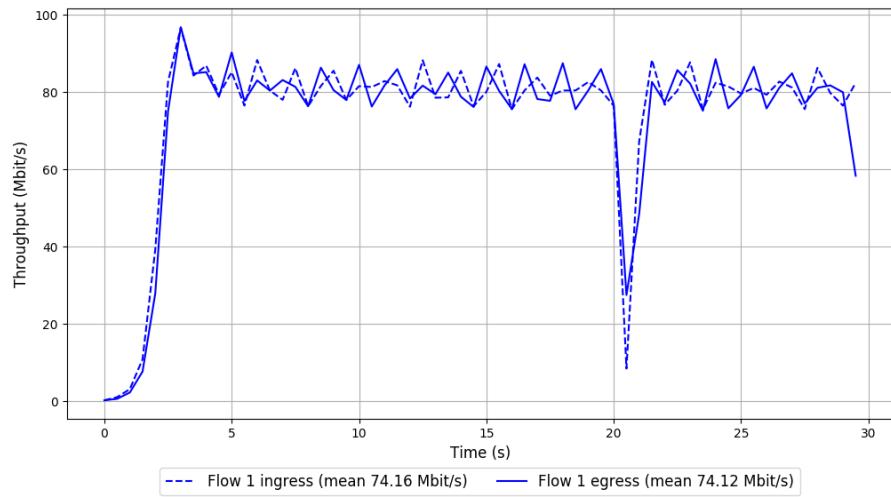
Run 3: Statistics of TCP BBR

Start at: 2018-04-10 20:10:08

End at: 2018-04-10 20:10:38

```
# Below is generated by plot.py at 2018-04-11 00:52:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.12 Mbit/s
95th percentile per-packet one-way delay: 136.706 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 74.12 Mbit/s
95th percentile per-packet one-way delay: 136.706 ms
Loss rate: 0.96%
```

Run 3: Report of TCP BBR — Data Link



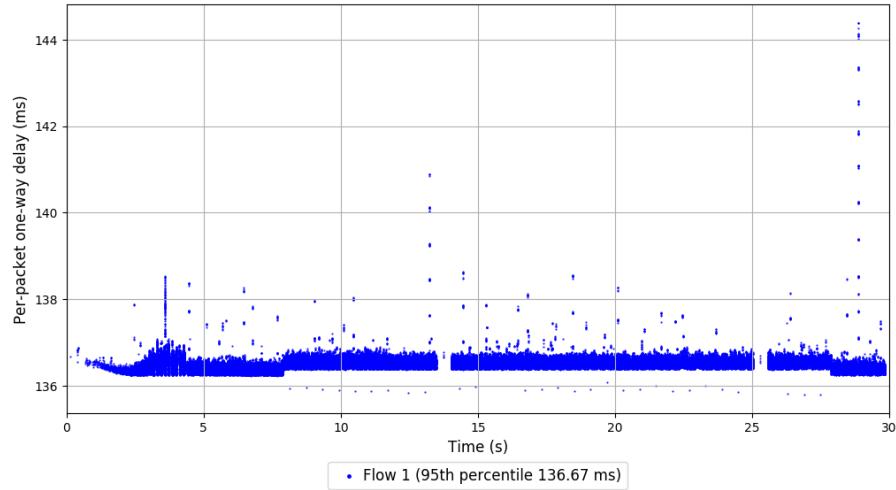
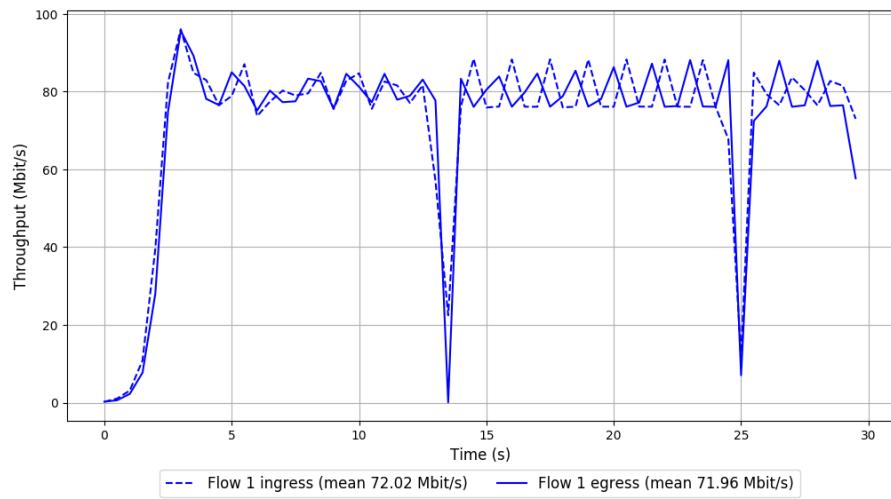
Run 4: Statistics of TCP BBR

Start at: 2018-04-10 20:25:22

End at: 2018-04-10 20:25:52

```
# Below is generated by plot.py at 2018-04-11 00:52:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.96 Mbit/s
95th percentile per-packet one-way delay: 136.672 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 71.96 Mbit/s
95th percentile per-packet one-way delay: 136.672 ms
Loss rate: 0.98%
```

Run 4: Report of TCP BBR — Data Link



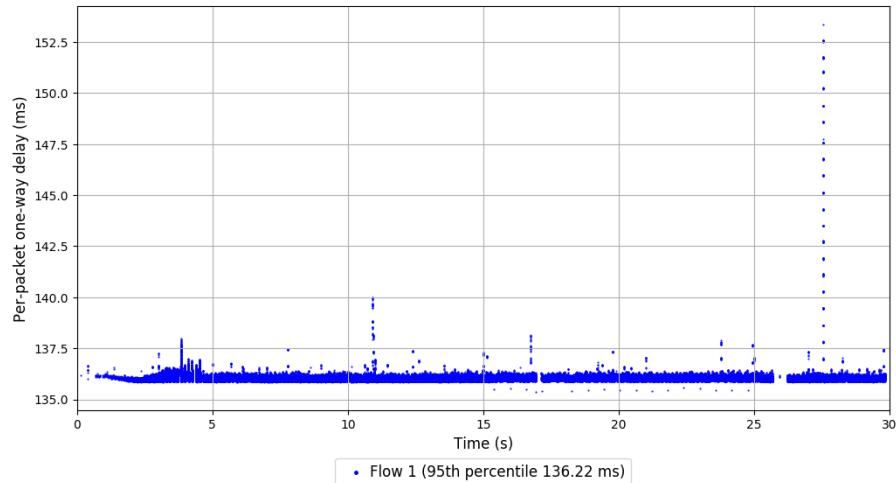
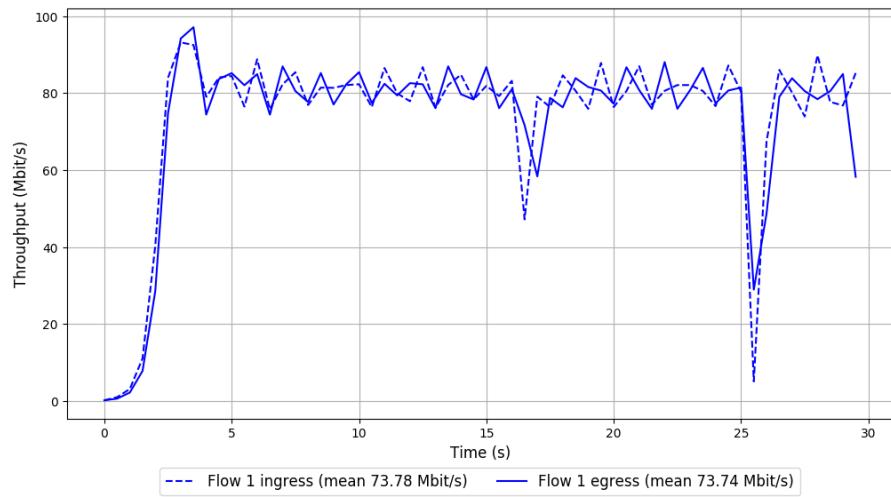
Run 5: Statistics of TCP BBR

Start at: 2018-04-10 20:40:44

End at: 2018-04-10 20:41:14

```
# Below is generated by plot.py at 2018-04-11 00:52:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.74 Mbit/s
95th percentile per-packet one-way delay: 136.222 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 73.74 Mbit/s
95th percentile per-packet one-way delay: 136.222 ms
Loss rate: 0.97%
```

Run 5: Report of TCP BBR — Data Link



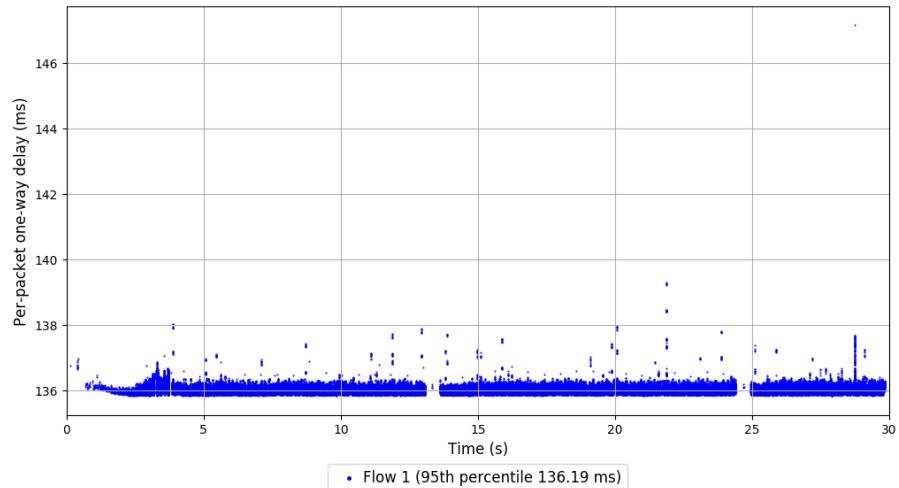
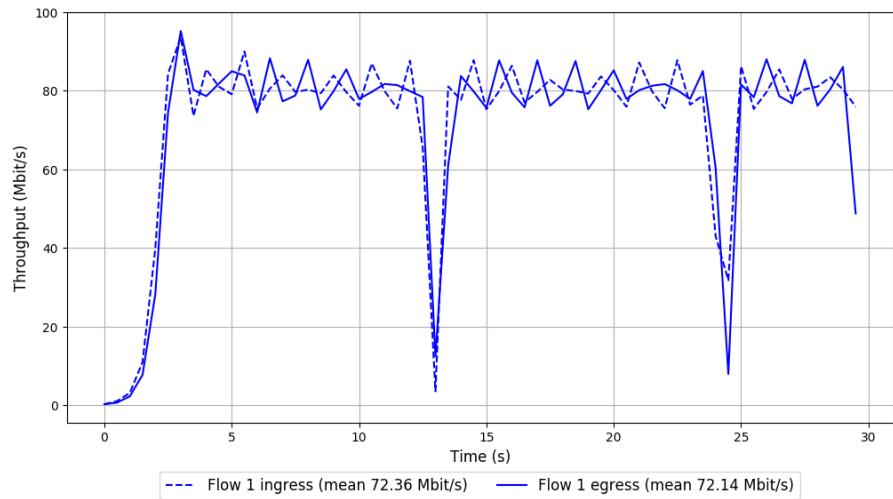
Run 6: Statistics of TCP BBR

Start at: 2018-04-10 20:56:24

End at: 2018-04-10 20:56:54

```
# Below is generated by plot.py at 2018-04-11 00:52:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.14 Mbit/s
95th percentile per-packet one-way delay: 136.195 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 72.14 Mbit/s
95th percentile per-packet one-way delay: 136.195 ms
Loss rate: 1.09%
```

Run 6: Report of TCP BBR — Data Link



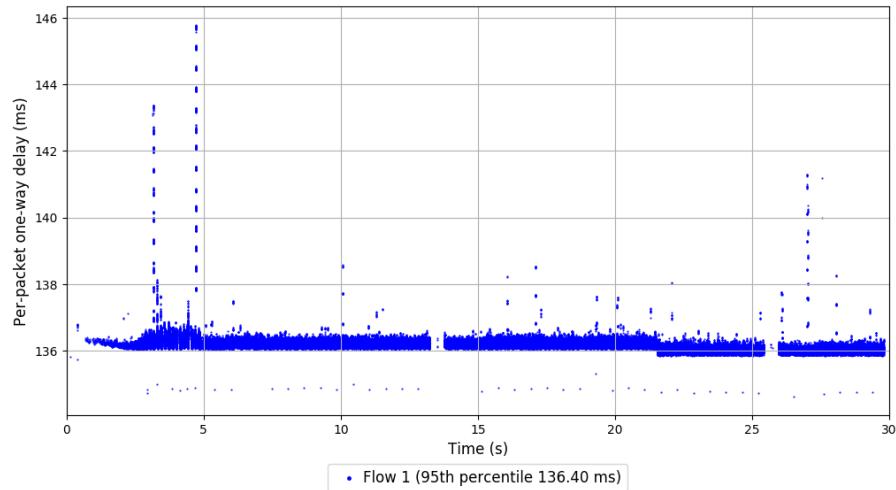
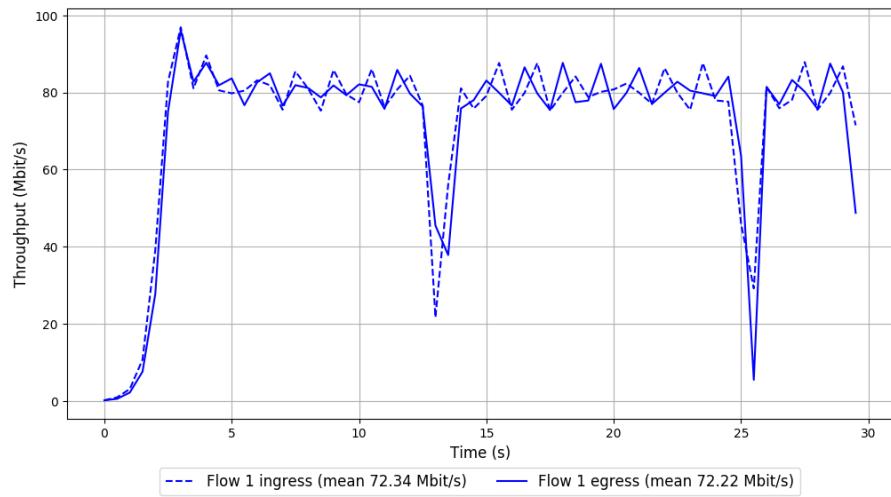
Run 7: Statistics of TCP BBR

Start at: 2018-04-10 21:11:48

End at: 2018-04-10 21:12:18

```
# Below is generated by plot.py at 2018-04-11 00:52:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.22 Mbit/s
95th percentile per-packet one-way delay: 136.398 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 72.22 Mbit/s
95th percentile per-packet one-way delay: 136.398 ms
Loss rate: 1.08%
```

Run 7: Report of TCP BBR — Data Link



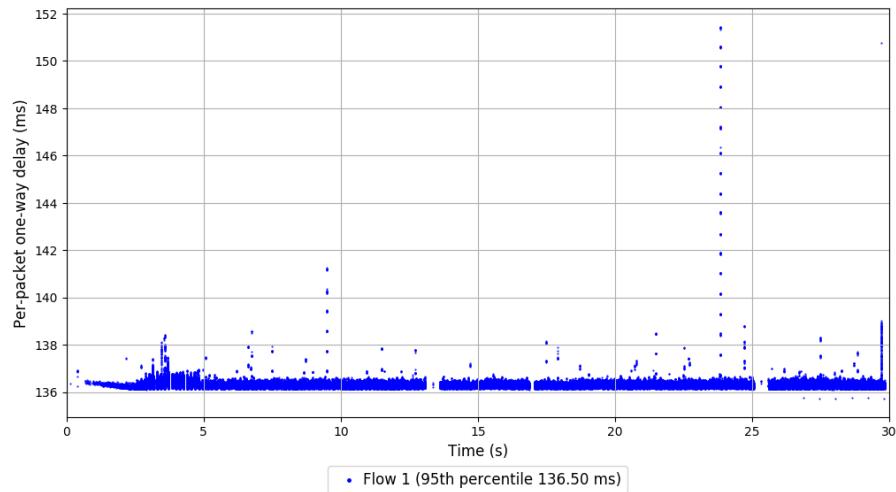
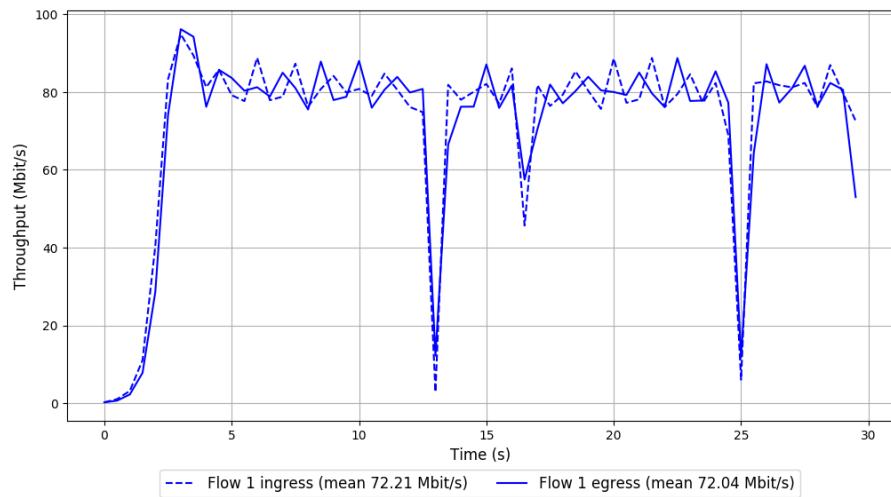
Run 8: Statistics of TCP BBR

Start at: 2018-04-10 21:27:35

End at: 2018-04-10 21:28:05

```
# Below is generated by plot.py at 2018-04-11 00:52:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.04 Mbit/s
95th percentile per-packet one-way delay: 136.498 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 72.04 Mbit/s
95th percentile per-packet one-way delay: 136.498 ms
Loss rate: 0.99%
```

Run 8: Report of TCP BBR — Data Link



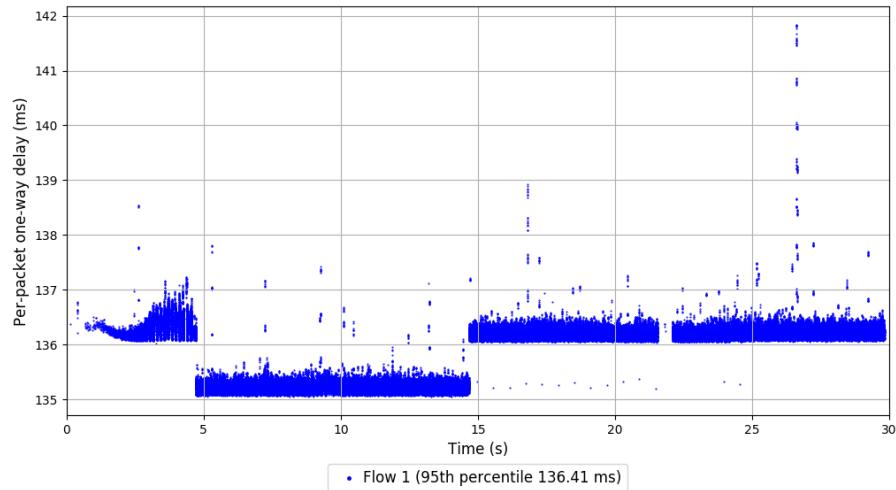
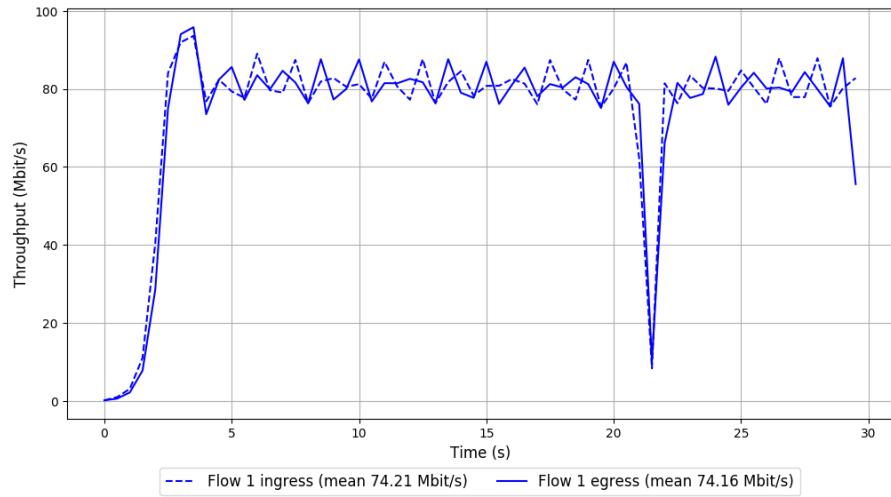
Run 9: Statistics of TCP BBR

Start at: 2018-04-10 21:43:15

End at: 2018-04-10 21:43:45

```
# Below is generated by plot.py at 2018-04-11 00:53:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.16 Mbit/s
95th percentile per-packet one-way delay: 136.406 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 74.16 Mbit/s
95th percentile per-packet one-way delay: 136.406 ms
Loss rate: 1.01%
```

Run 9: Report of TCP BBR — Data Link



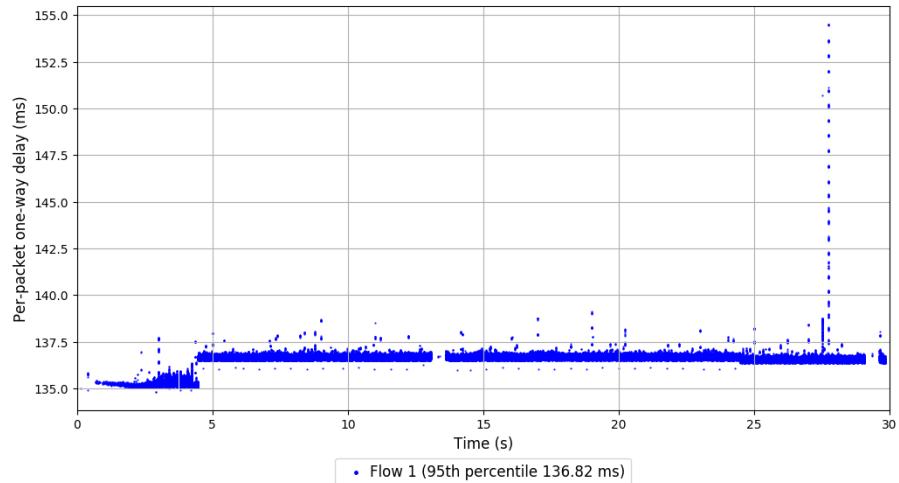
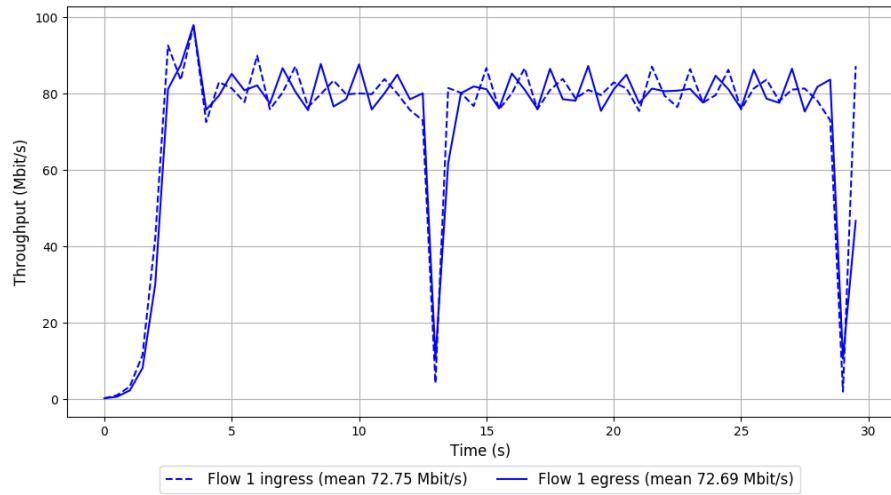
Run 10: Statistics of TCP BBR

Start at: 2018-04-10 21:58:45

End at: 2018-04-10 21:59:15

```
# Below is generated by plot.py at 2018-04-11 00:53:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.69 Mbit/s
95th percentile per-packet one-way delay: 136.822 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 72.69 Mbit/s
95th percentile per-packet one-way delay: 136.822 ms
Loss rate: 0.97%
```

Run 10: Report of TCP BBR — Data Link



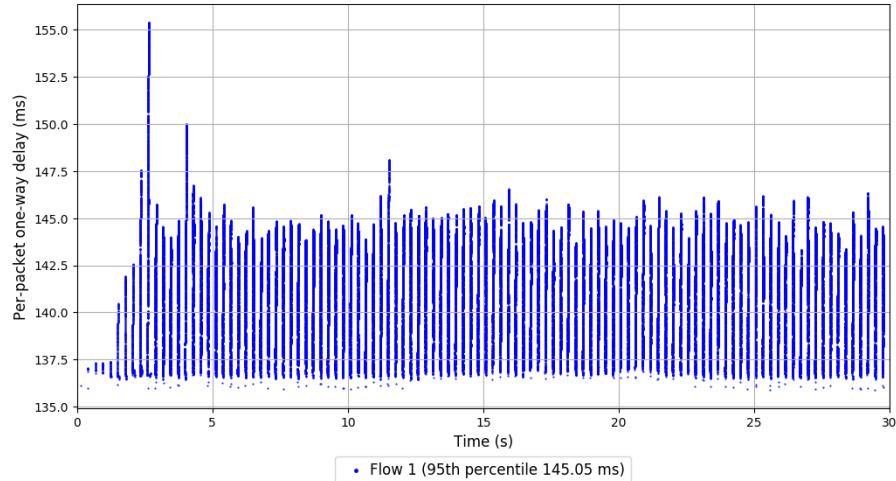
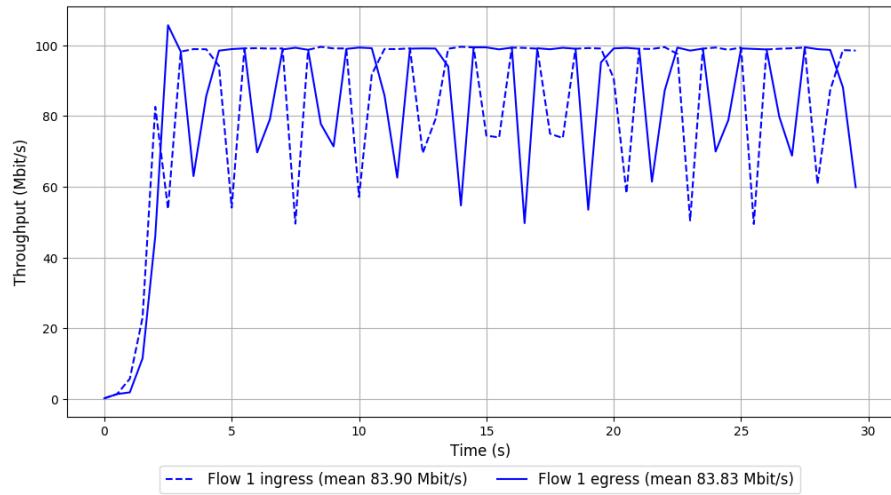
Run 1: Statistics of TCP Cubic

Start at: 2018-04-10 19:45:07

End at: 2018-04-10 19:45:37

```
# Below is generated by plot.py at 2018-04-11 00:54:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.83 Mbit/s
95th percentile per-packet one-way delay: 145.050 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 83.83 Mbit/s
95th percentile per-packet one-way delay: 145.050 ms
Loss rate: 0.98%
```

Run 1: Report of TCP Cubic — Data Link



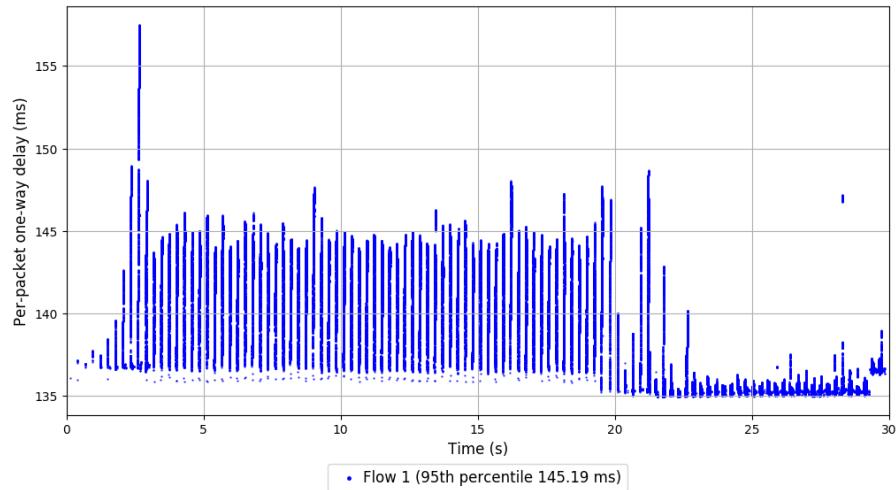
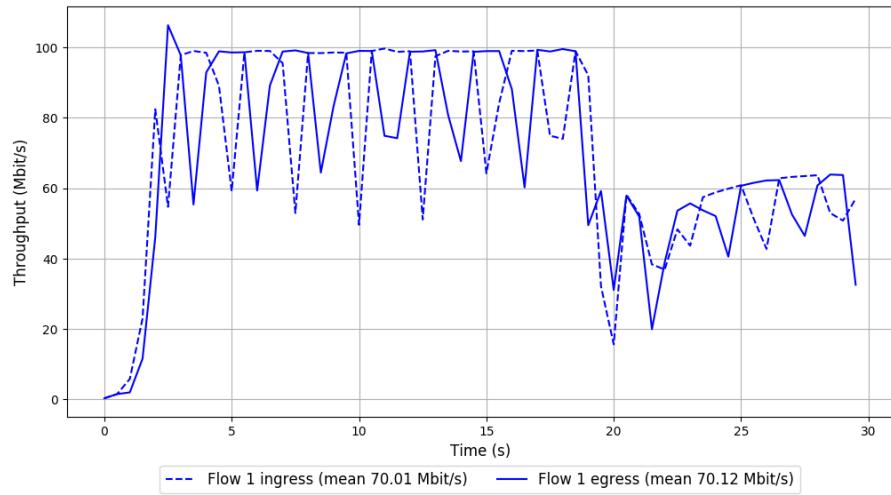
Run 2: Statistics of TCP Cubic

Start at: 2018-04-10 20:00:30

End at: 2018-04-10 20:01:00

```
# Below is generated by plot.py at 2018-04-11 00:54:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.12 Mbit/s
95th percentile per-packet one-way delay: 145.190 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 70.12 Mbit/s
95th percentile per-packet one-way delay: 145.190 ms
Loss rate: 0.76%
```

Run 2: Report of TCP Cubic — Data Link



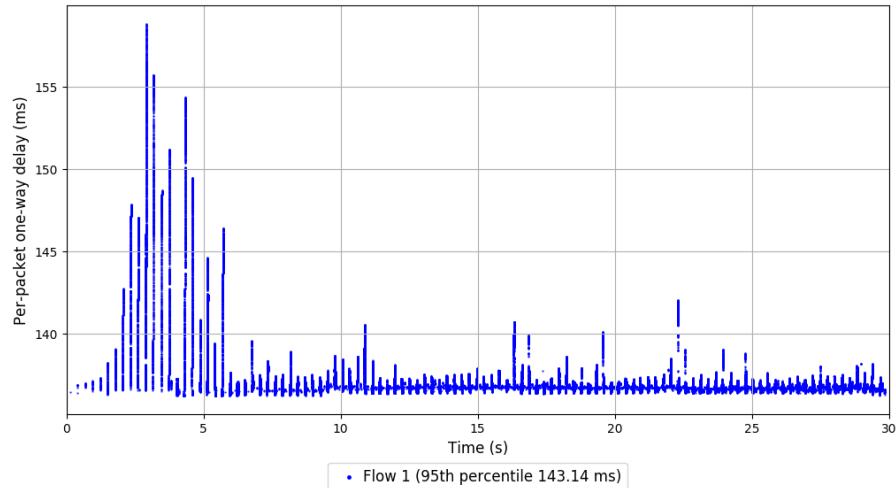
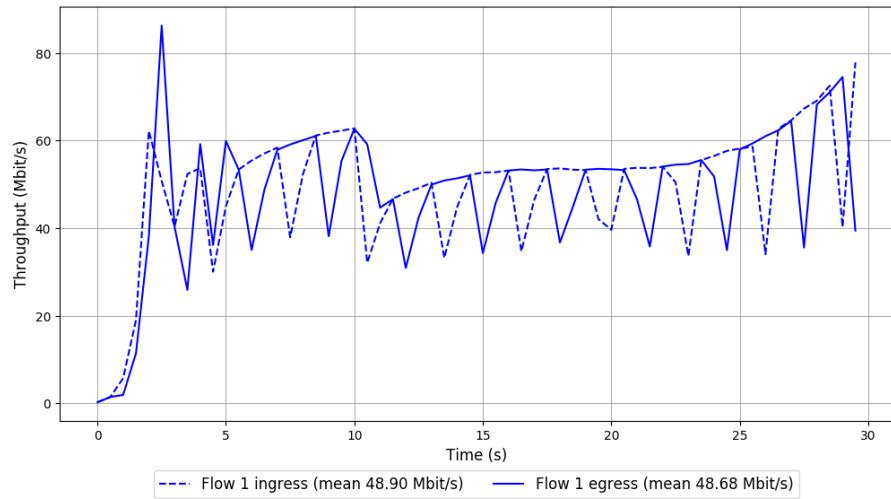
Run 3: Statistics of TCP Cubic

Start at: 2018-04-10 20:15:50

End at: 2018-04-10 20:16:20

```
# Below is generated by plot.py at 2018-04-11 00:54:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.68 Mbit/s
95th percentile per-packet one-way delay: 143.136 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 48.68 Mbit/s
95th percentile per-packet one-way delay: 143.136 ms
Loss rate: 1.35%
```

Run 3: Report of TCP Cubic — Data Link



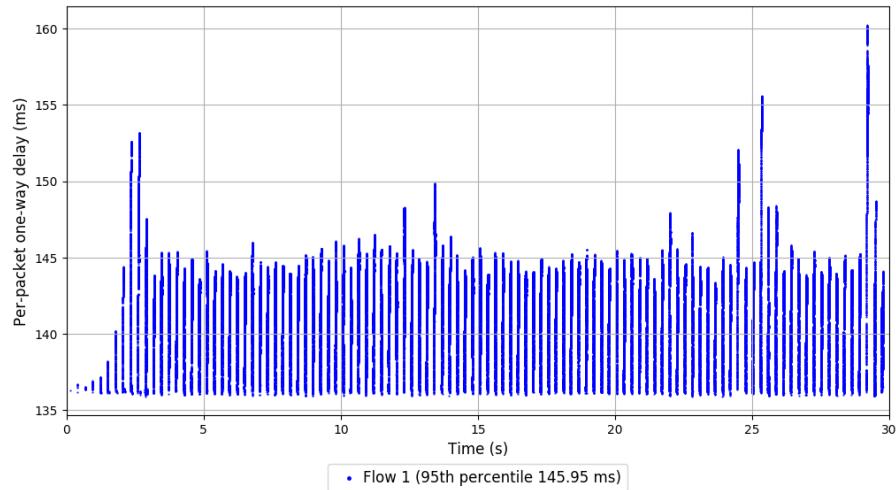
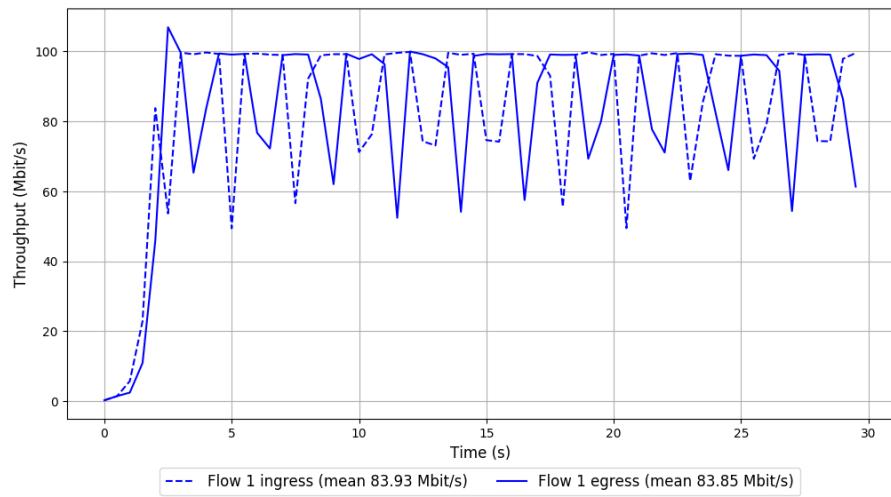
Run 4: Statistics of TCP Cubic

Start at: 2018-04-10 20:31:06

End at: 2018-04-10 20:31:36

```
# Below is generated by plot.py at 2018-04-11 00:54:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 145.954 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 145.954 ms
Loss rate: 0.99%
```

Run 4: Report of TCP Cubic — Data Link



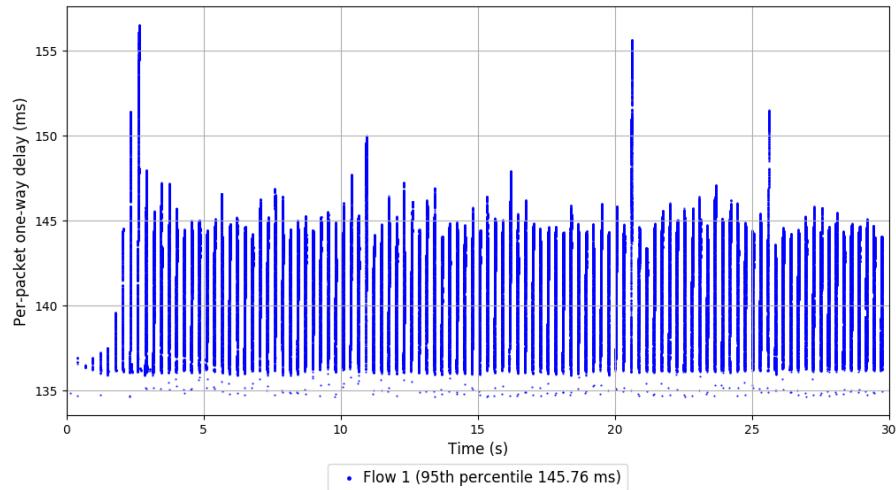
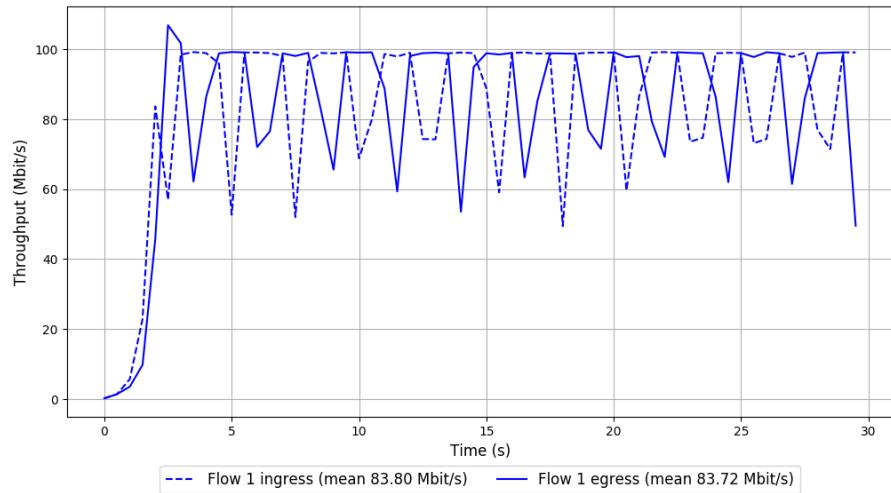
Run 5: Statistics of TCP Cubic

Start at: 2018-04-10 20:46:51

End at: 2018-04-10 20:47:21

```
# Below is generated by plot.py at 2018-04-11 00:54:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.72 Mbit/s
95th percentile per-packet one-way delay: 145.763 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 83.72 Mbit/s
95th percentile per-packet one-way delay: 145.763 ms
Loss rate: 0.99%
```

Run 5: Report of TCP Cubic — Data Link



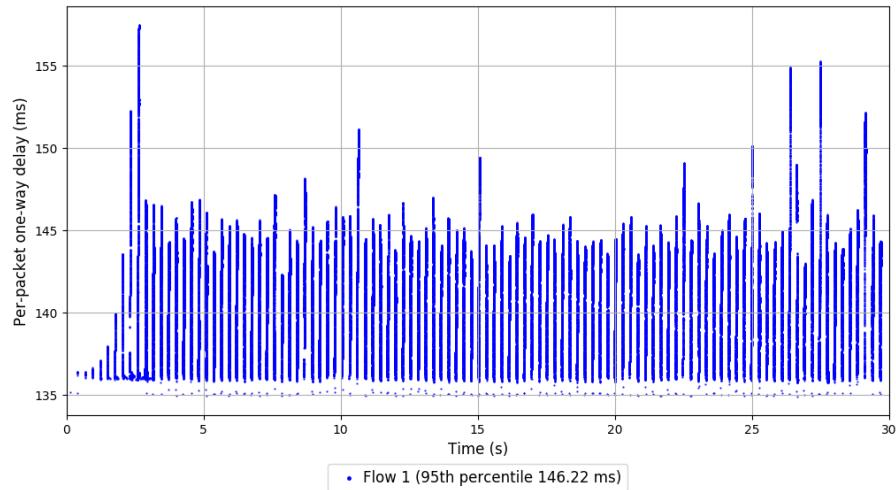
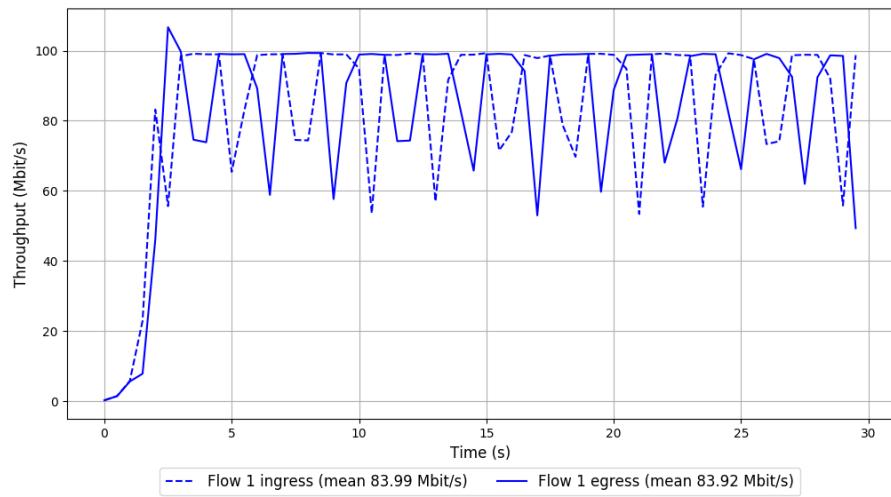
Run 6: Statistics of TCP Cubic

Start at: 2018-04-10 21:02:10

End at: 2018-04-10 21:02:40

```
# Below is generated by plot.py at 2018-04-11 00:54:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.92 Mbit/s
95th percentile per-packet one-way delay: 146.217 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 83.92 Mbit/s
95th percentile per-packet one-way delay: 146.217 ms
Loss rate: 0.98%
```

Run 6: Report of TCP Cubic — Data Link



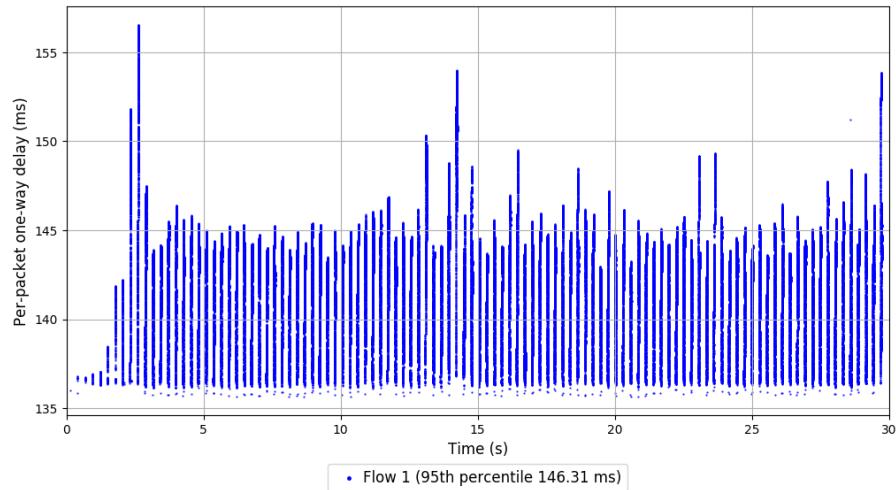
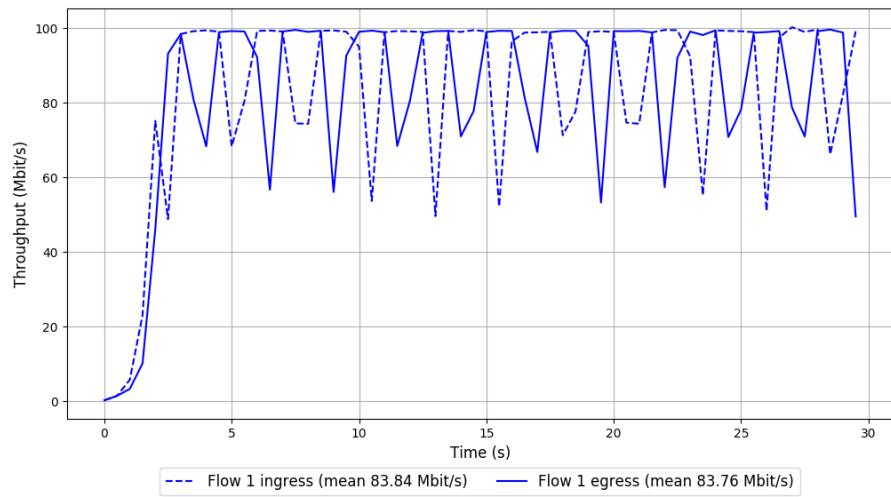
Run 7: Statistics of TCP Cubic

Start at: 2018-04-10 21:17:56

End at: 2018-04-10 21:18:26

```
# Below is generated by plot.py at 2018-04-11 00:55:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 146.311 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 146.311 ms
Loss rate: 0.99%
```

Run 7: Report of TCP Cubic — Data Link



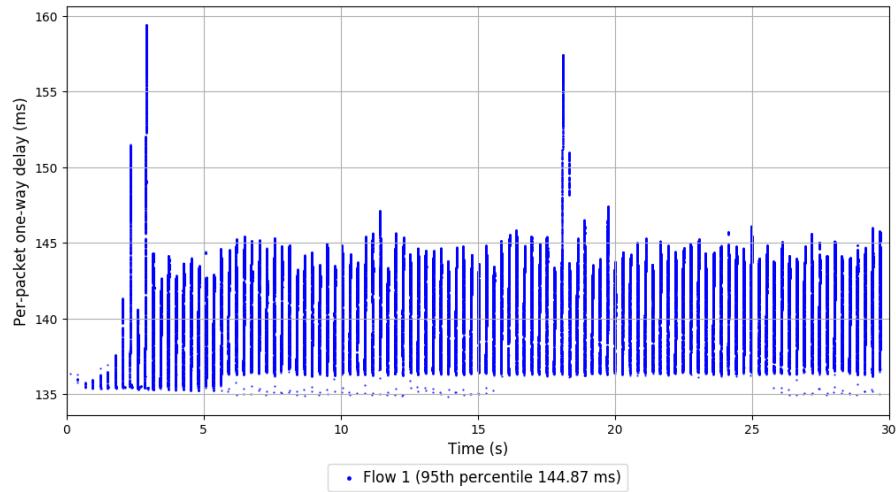
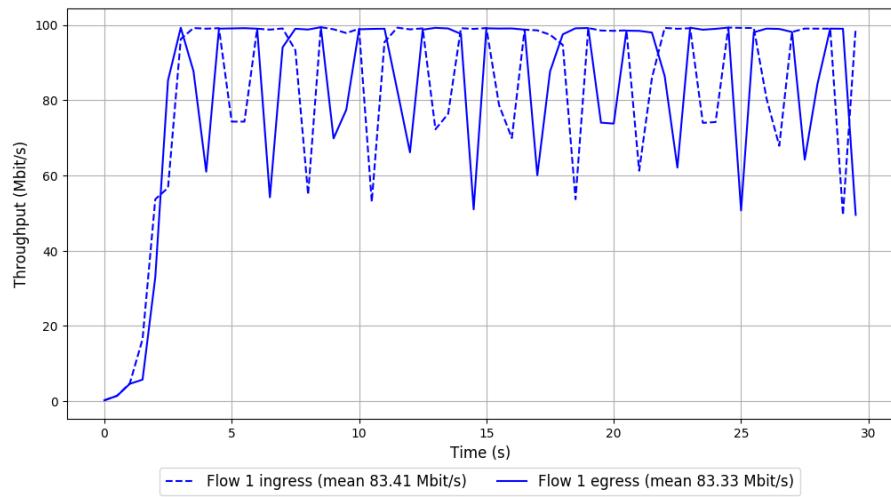
Run 8: Statistics of TCP Cubic

Start at: 2018-04-10 21:33:24

End at: 2018-04-10 21:33:54

```
# Below is generated by plot.py at 2018-04-11 00:55:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 144.868 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 144.868 ms
Loss rate: 1.00%
```

Run 8: Report of TCP Cubic — Data Link



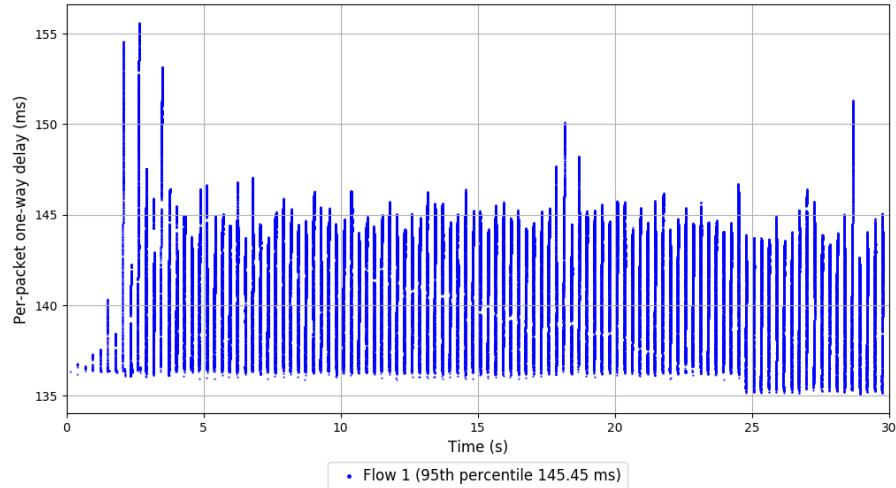
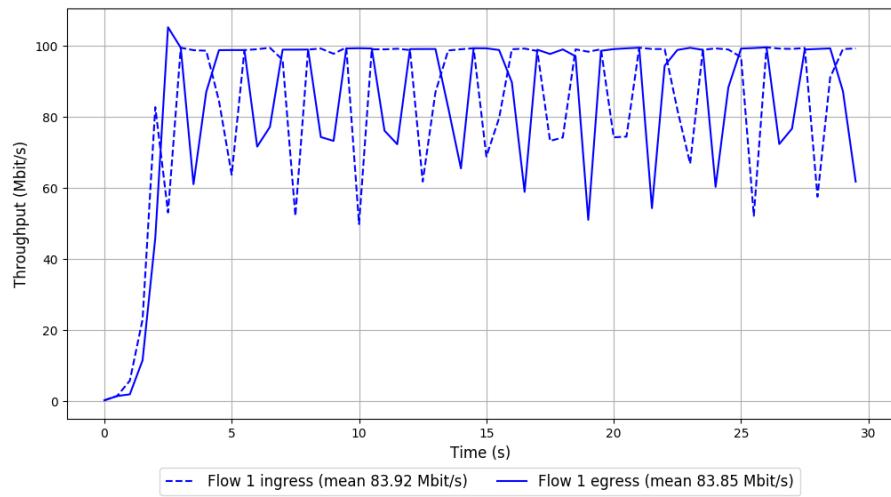
Run 9: Statistics of TCP Cubic

Start at: 2018-04-10 21:49:05

End at: 2018-04-10 21:49:35

```
# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 145.452 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 145.452 ms
Loss rate: 0.98%
```

Run 9: Report of TCP Cubic — Data Link



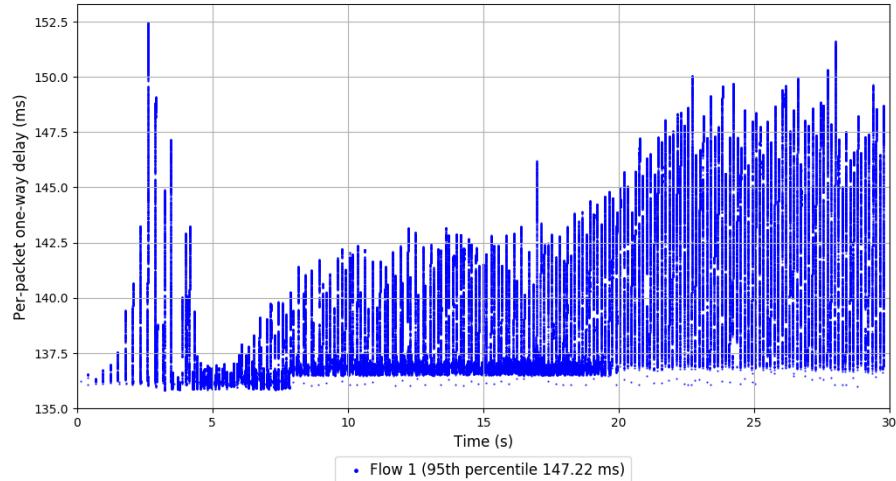
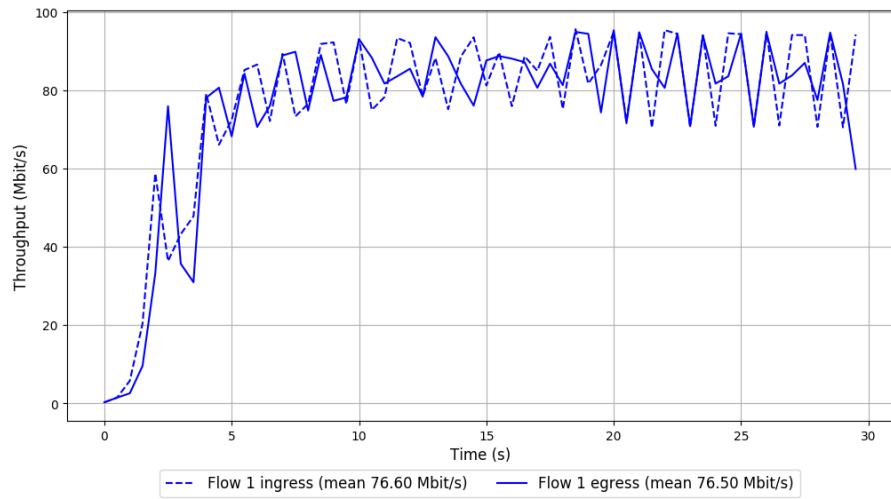
Run 10: Statistics of TCP Cubic

Start at: 2018-04-10 22:04:32

End at: 2018-04-10 22:05:02

```
# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.50 Mbit/s
95th percentile per-packet one-way delay: 147.217 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 76.50 Mbit/s
95th percentile per-packet one-way delay: 147.217 ms
Loss rate: 1.02%
```

Run 10: Report of TCP Cubic — Data Link



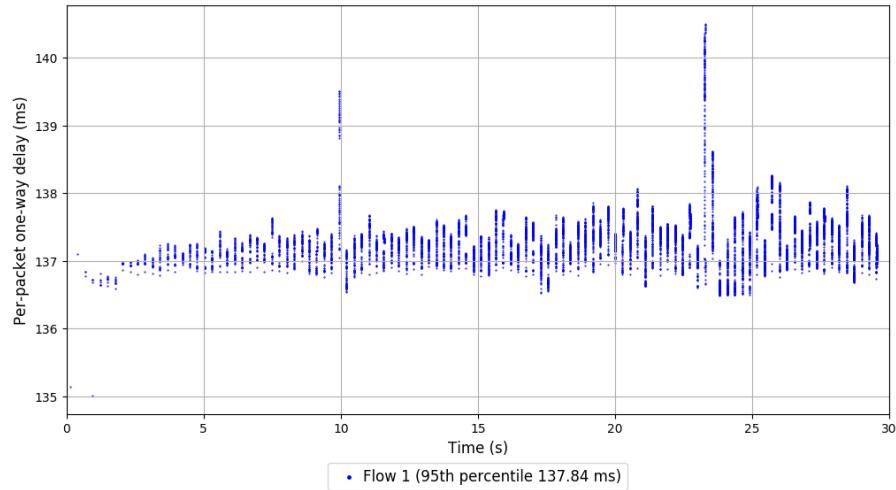
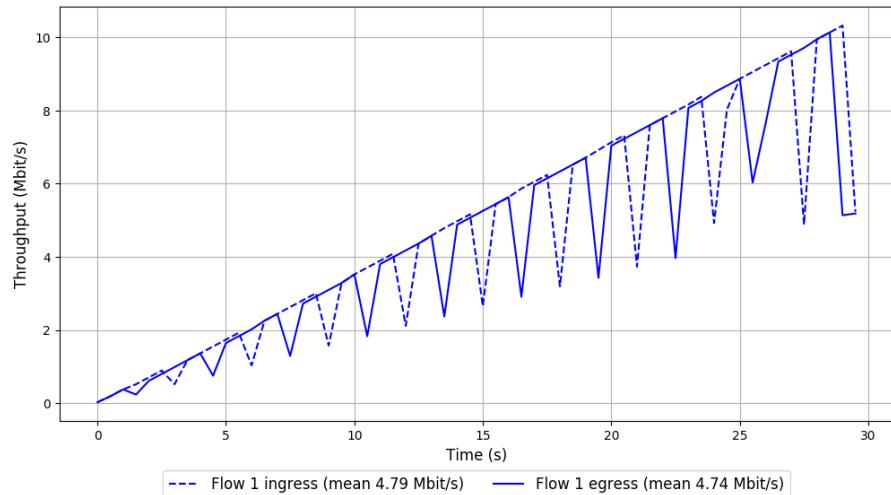
```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-04-10 19:38:40
```

```
End at: 2018-04-10 19:39:10
```

```
# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 137.837 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 137.837 ms
Loss rate: 1.84%
```

Run 1: Report of LEDBAT — Data Link



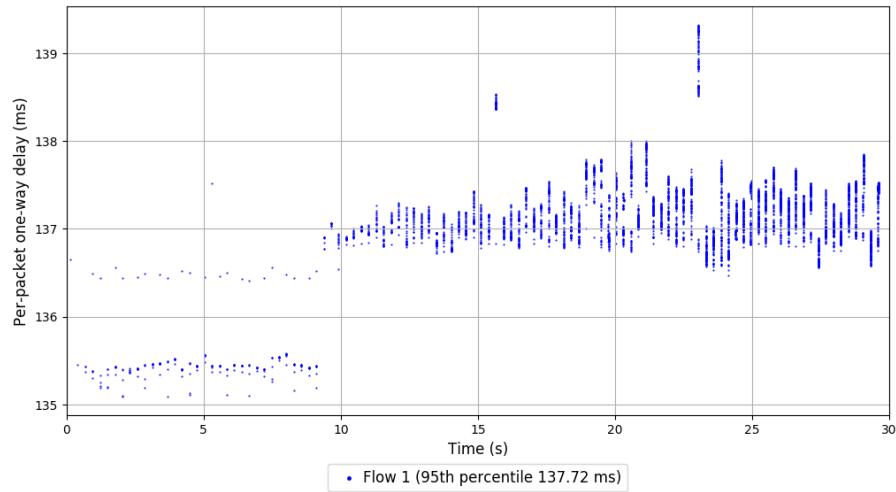
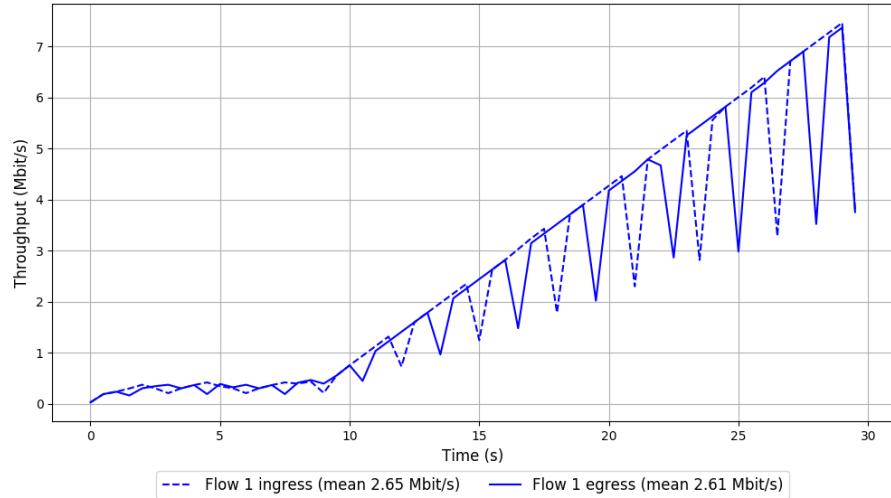
Run 2: Statistics of LEDBAT

Start at: 2018-04-10 19:54:00

End at: 2018-04-10 19:54:30

```
# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 137.722 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 137.722 ms
Loss rate: 2.42%
```

Run 2: Report of LEDBAT — Data Link



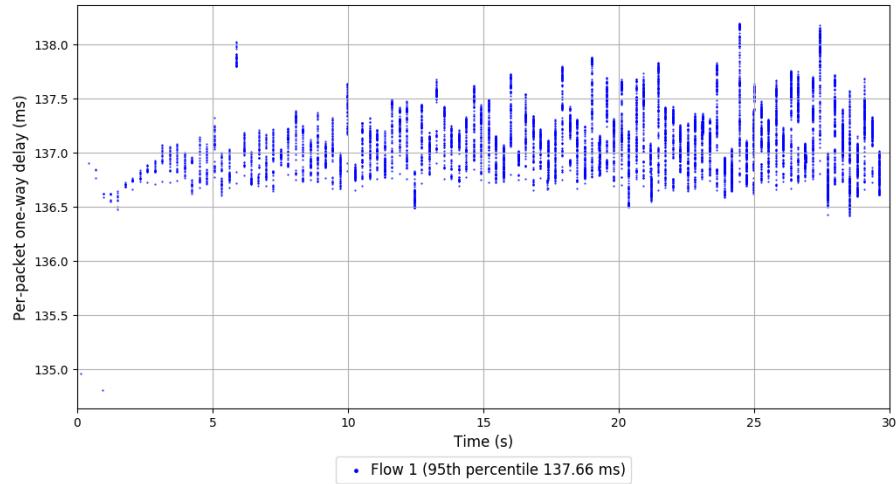
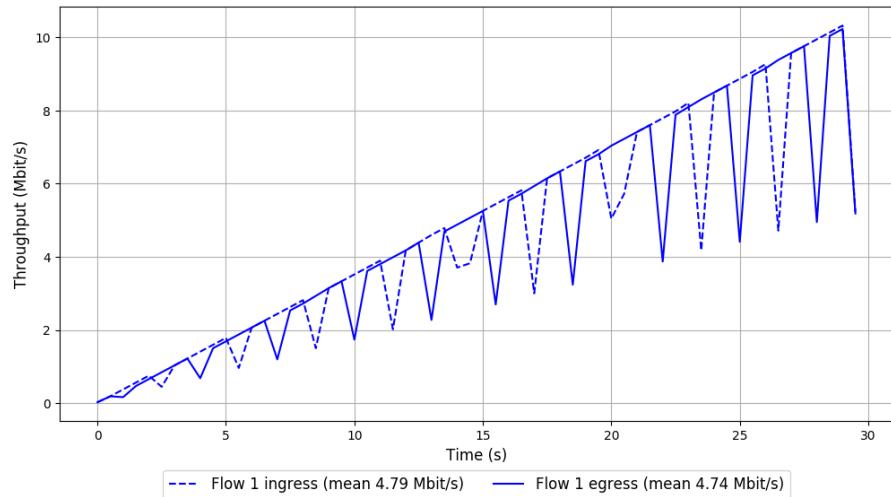
Run 3: Statistics of LEDBAT

Start at: 2018-04-10 20:09:25

End at: 2018-04-10 20:09:55

```
# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 137.665 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 137.665 ms
Loss rate: 1.84%
```

Run 3: Report of LEDBAT — Data Link



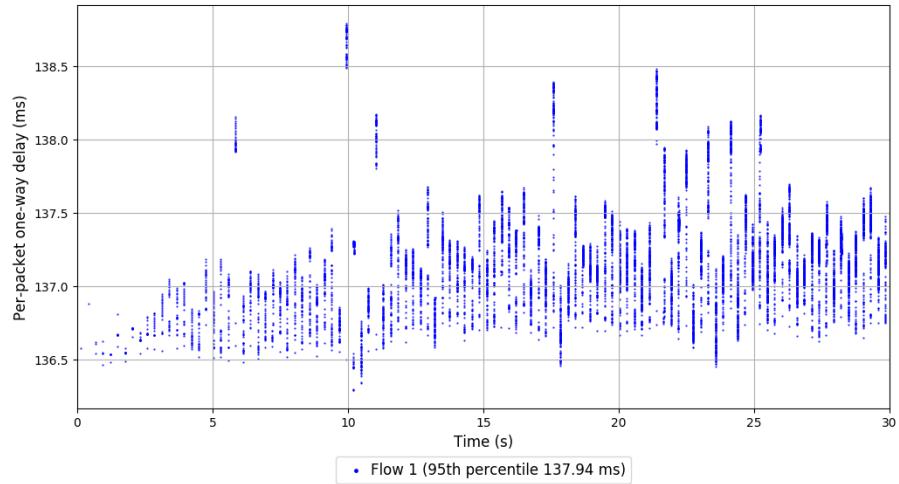
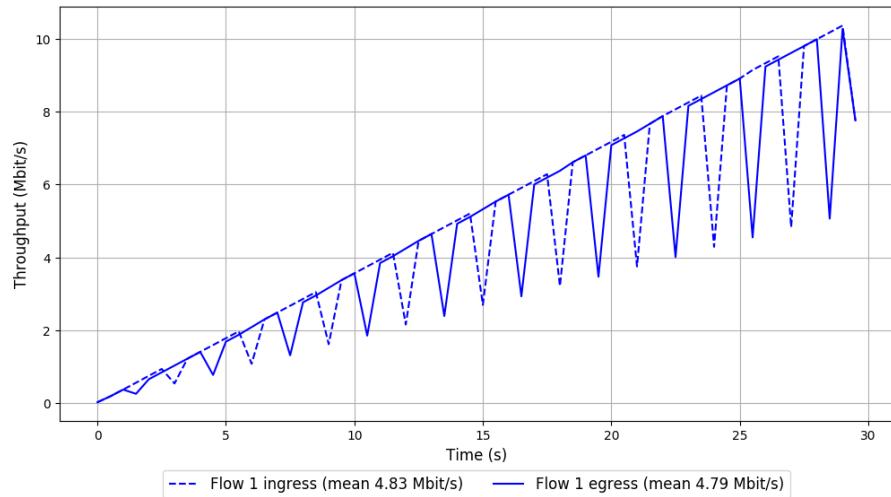
Run 4: Statistics of LEDBAT

Start at: 2018-04-10 20:24:38

End at: 2018-04-10 20:25:08

```
# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.944 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.944 ms
Loss rate: 1.80%
```

Run 4: Report of LEDBAT — Data Link



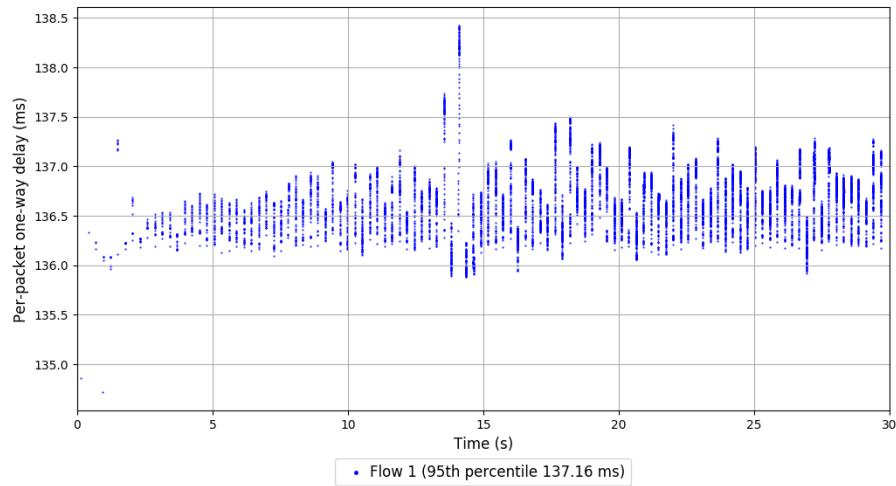
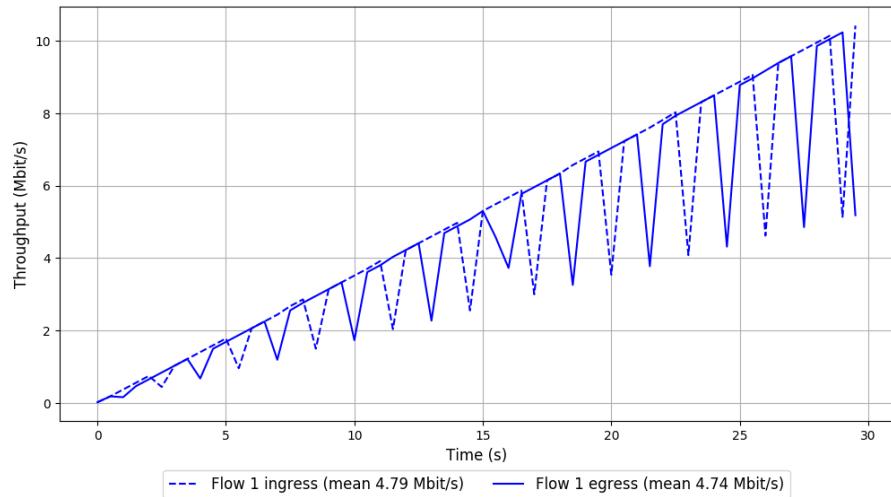
Run 5: Statistics of LEDBAT

Start at: 2018-04-10 20:40:01

End at: 2018-04-10 20:40:31

```
# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 137.155 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 137.155 ms
Loss rate: 1.83%
```

Run 5: Report of LEDBAT — Data Link



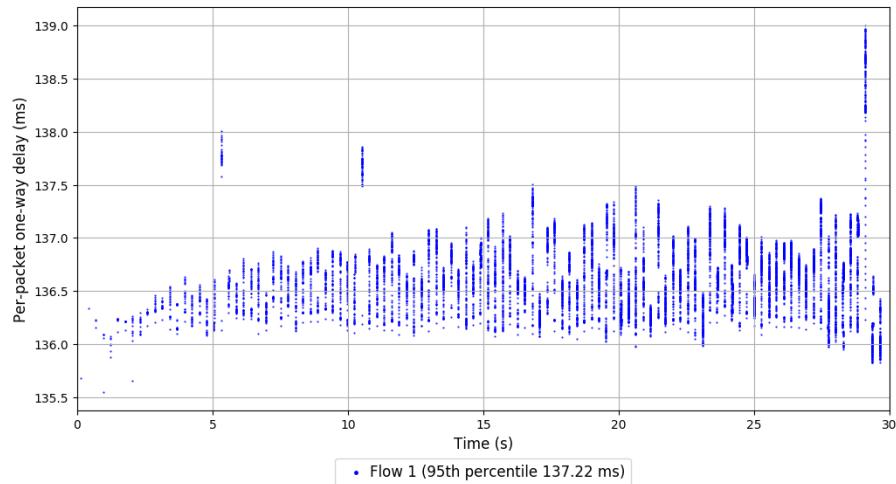
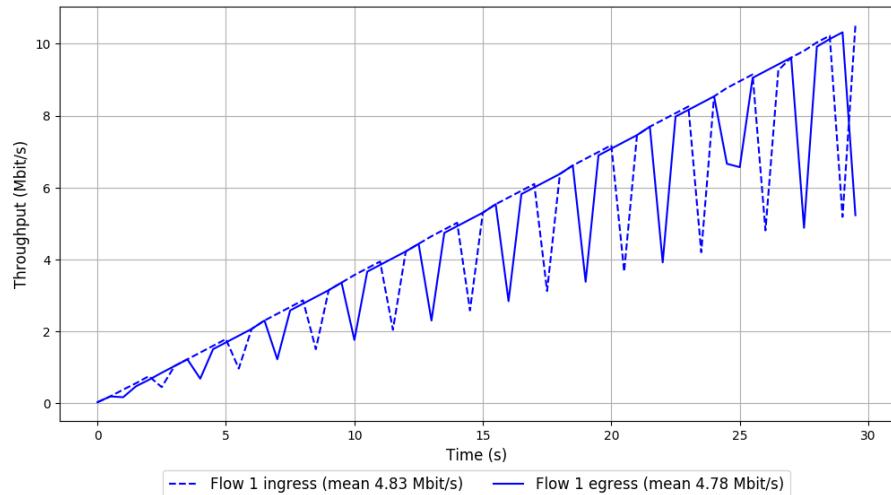
Run 6: Statistics of LEDBAT

Start at: 2018-04-10 20:55:41

End at: 2018-04-10 20:56:11

```
# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.218 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.218 ms
Loss rate: 1.84%
```

Run 6: Report of LEDBAT — Data Link



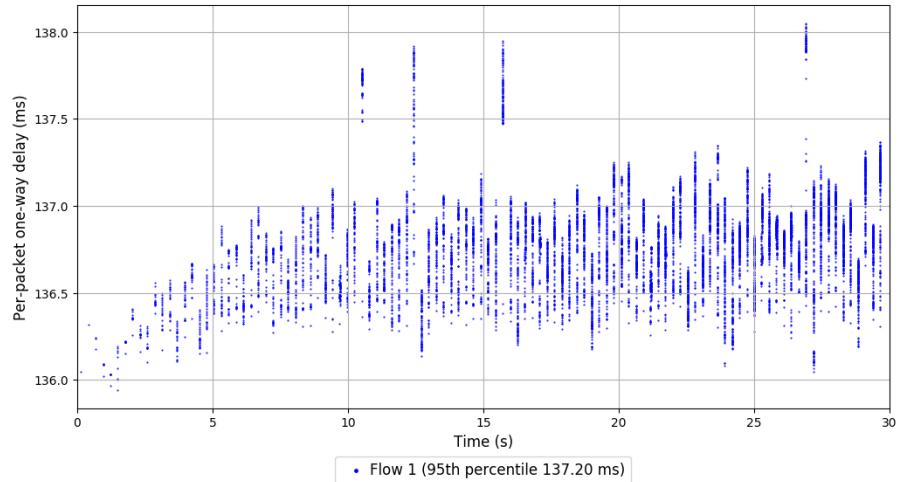
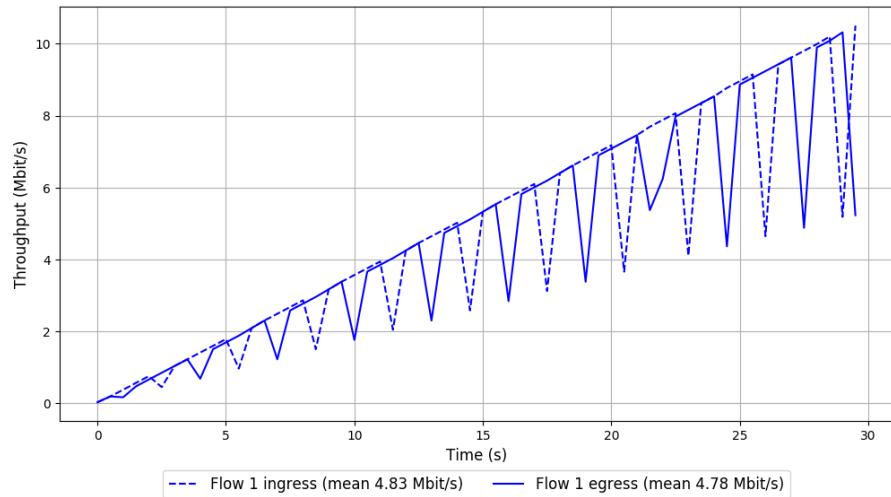
```
Run 7: Statistics of LEDBAT
```

```
Start at: 2018-04-10 21:11:05
```

```
End at: 2018-04-10 21:11:35
```

```
# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.201 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.201 ms
Loss rate: 1.84%
```

Run 7: Report of LEDBAT — Data Link



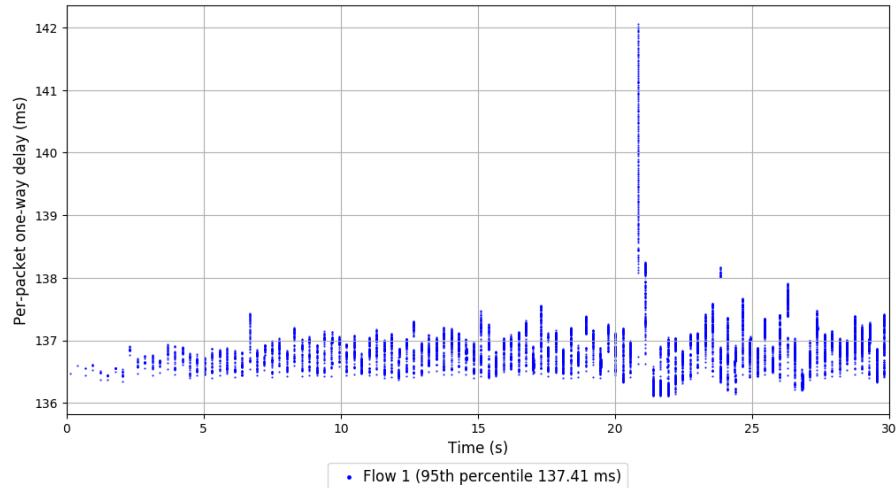
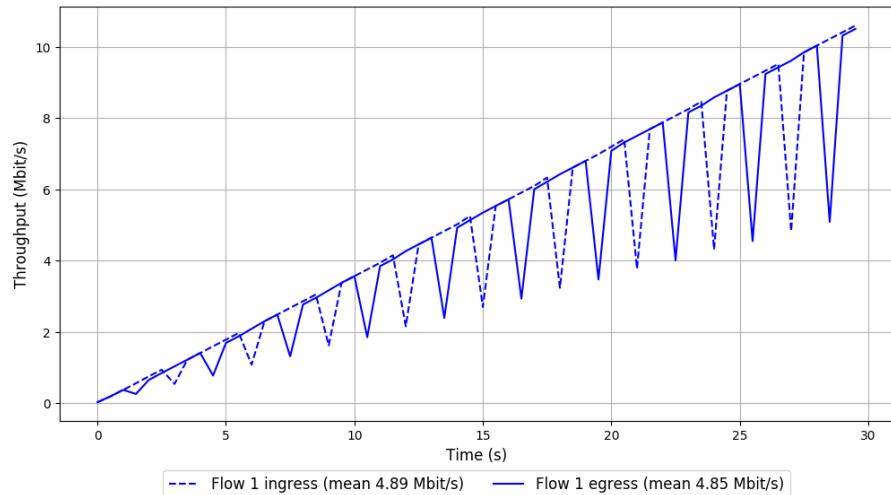
Run 8: Statistics of LEDBAT

Start at: 2018-04-10 21:26:51

End at: 2018-04-10 21:27:21

```
# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 137.409 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 137.409 ms
Loss rate: 1.82%
```

Run 8: Report of LEDBAT — Data Link



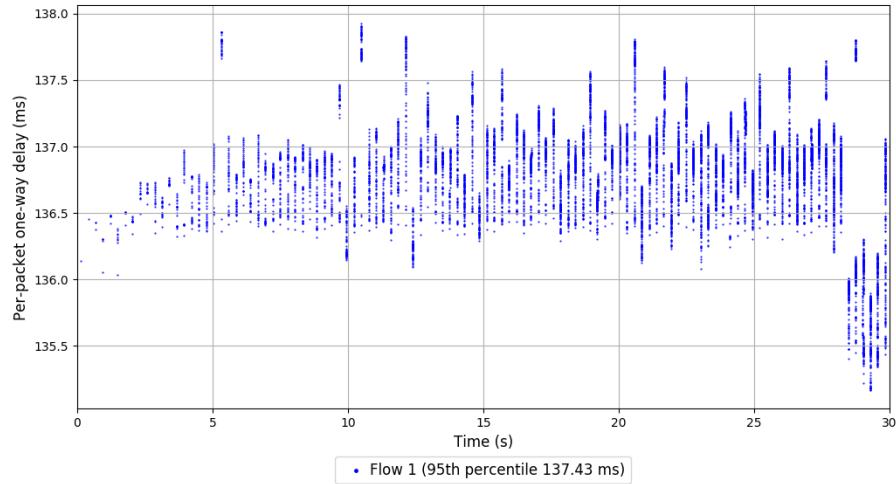
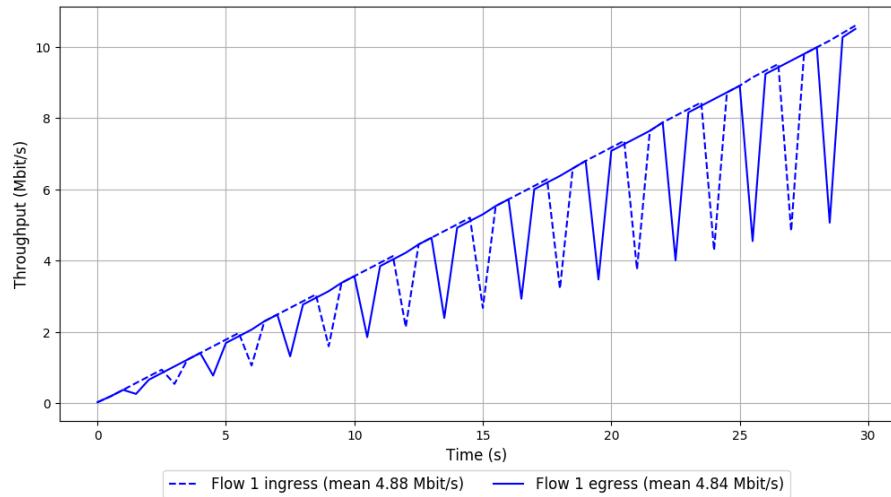
Run 9: Statistics of LEDBAT

Start at: 2018-04-10 21:42:31

End at: 2018-04-10 21:43:01

```
# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.430 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.430 ms
Loss rate: 1.82%
```

Run 9: Report of LEDBAT — Data Link



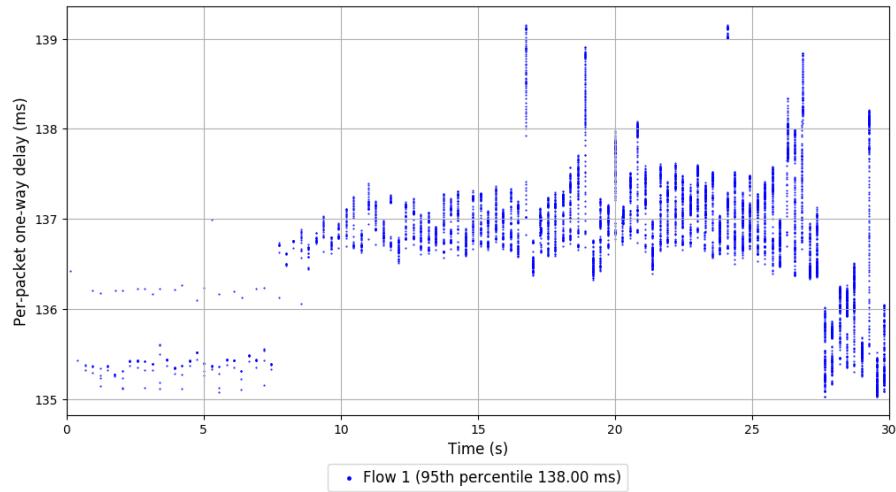
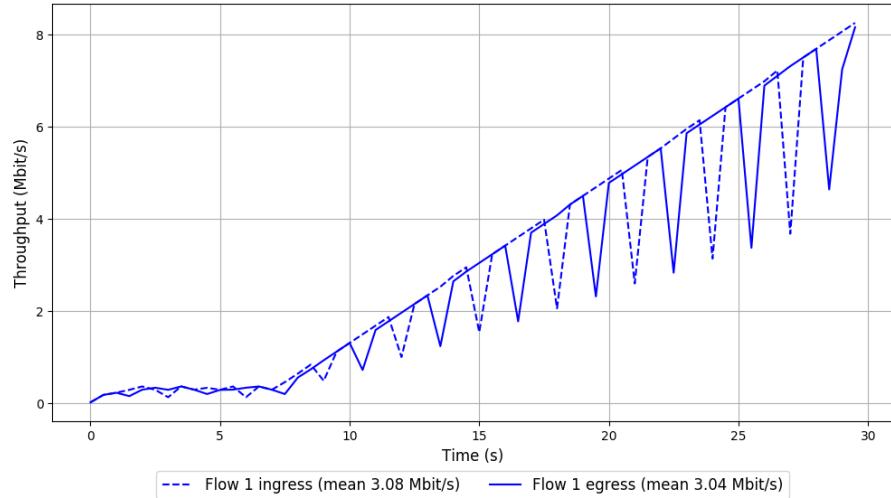
Run 10: Statistics of LEDBAT

Start at: 2018-04-10 21:58:02

End at: 2018-04-10 21:58:32

```
# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 137.996 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 137.996 ms
Loss rate: 2.25%
```

Run 10: Report of LEDBAT — Data Link

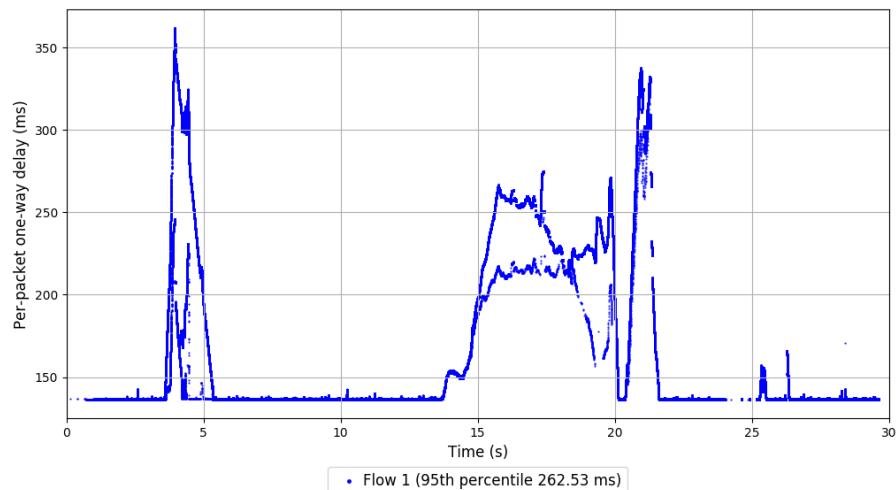
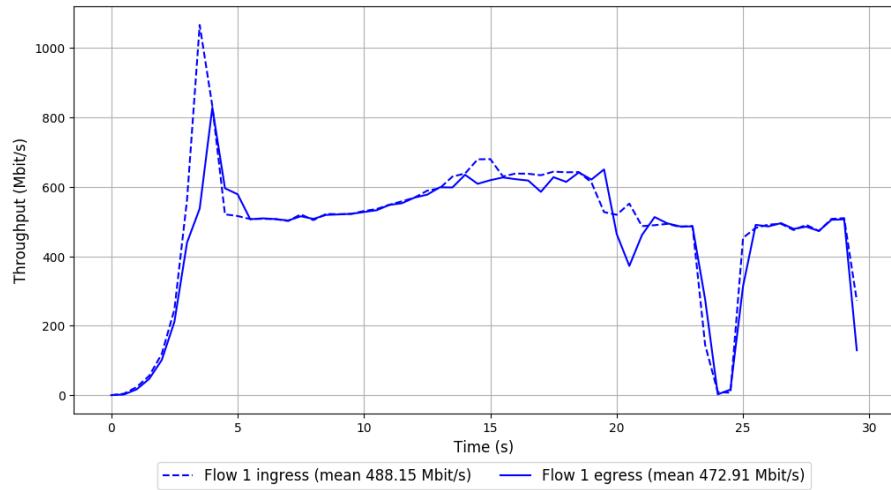


```
Run 1: Statistics of PCC

Start at: 2018-04-10 19:30:42
End at: 2018-04-10 19:31:12

# Below is generated by plot.py at 2018-04-11 01:02:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 472.91 Mbit/s
95th percentile per-packet one-way delay: 262.526 ms
Loss rate: 4.01%
-- Flow 1:
Average throughput: 472.91 Mbit/s
95th percentile per-packet one-way delay: 262.526 ms
Loss rate: 4.01%
```

Run 1: Report of PCC — Data Link



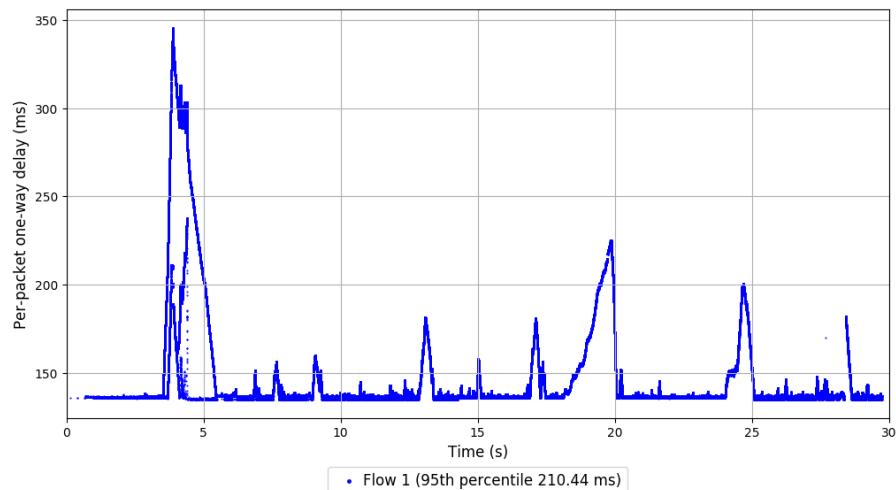
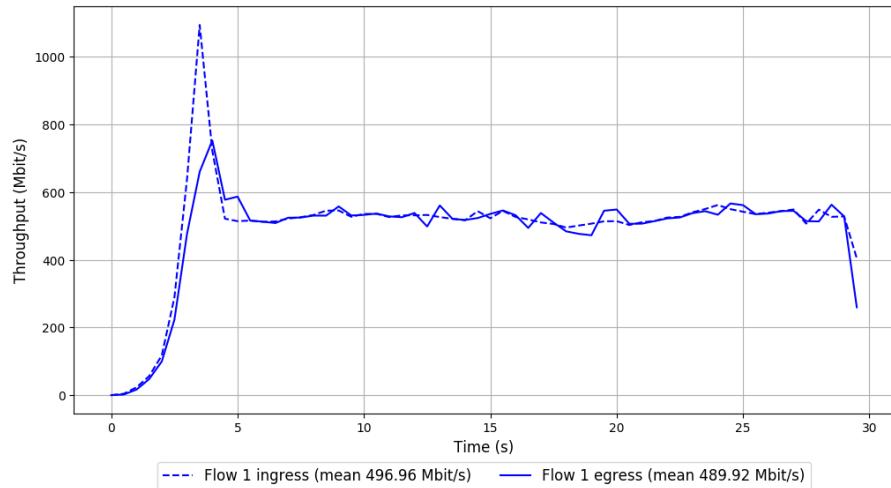
Run 2: Statistics of PCC

Start at: 2018-04-10 19:45:55

End at: 2018-04-10 19:46:25

```
# Below is generated by plot.py at 2018-04-11 01:03:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 489.92 Mbit/s
95th percentile per-packet one-way delay: 210.439 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 489.92 Mbit/s
95th percentile per-packet one-way delay: 210.439 ms
Loss rate: 2.31%
```

Run 2: Report of PCC — Data Link



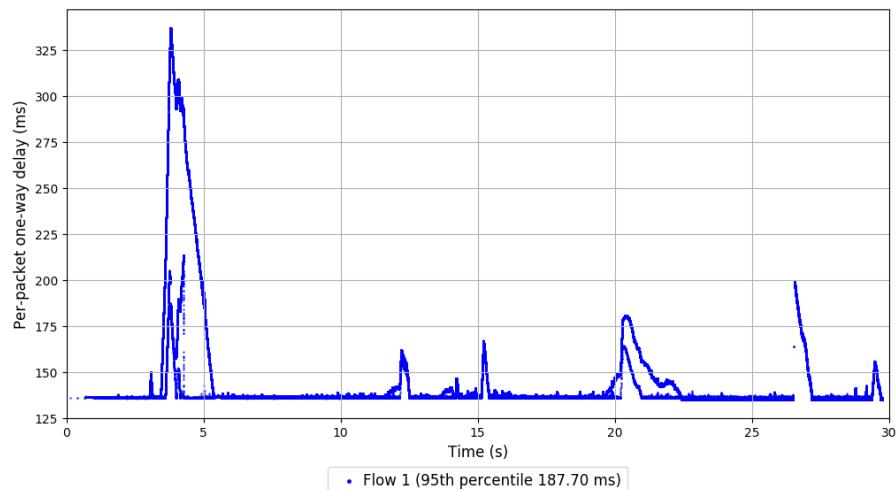
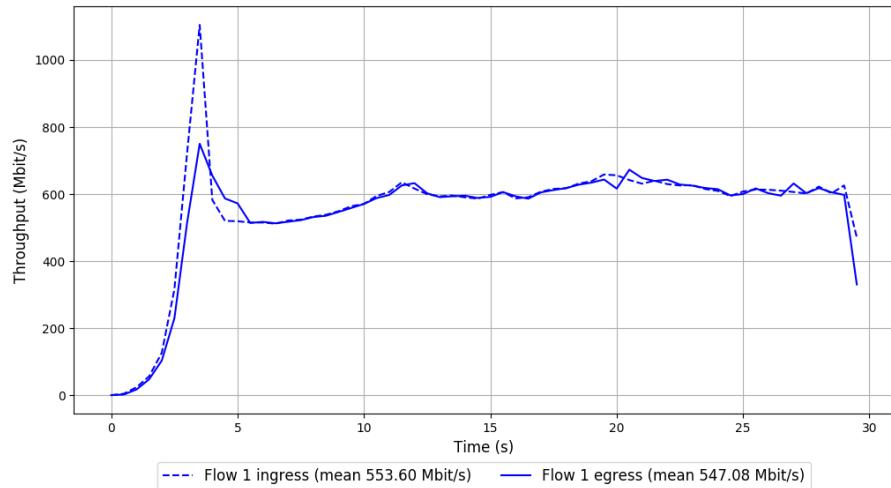
Run 3: Statistics of PCC

Start at: 2018-04-10 20:01:18

End at: 2018-04-10 20:01:48

```
# Below is generated by plot.py at 2018-04-11 01:03:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 547.08 Mbit/s
95th percentile per-packet one-way delay: 187.703 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 547.08 Mbit/s
95th percentile per-packet one-way delay: 187.703 ms
Loss rate: 2.08%
```

Run 3: Report of PCC — Data Link



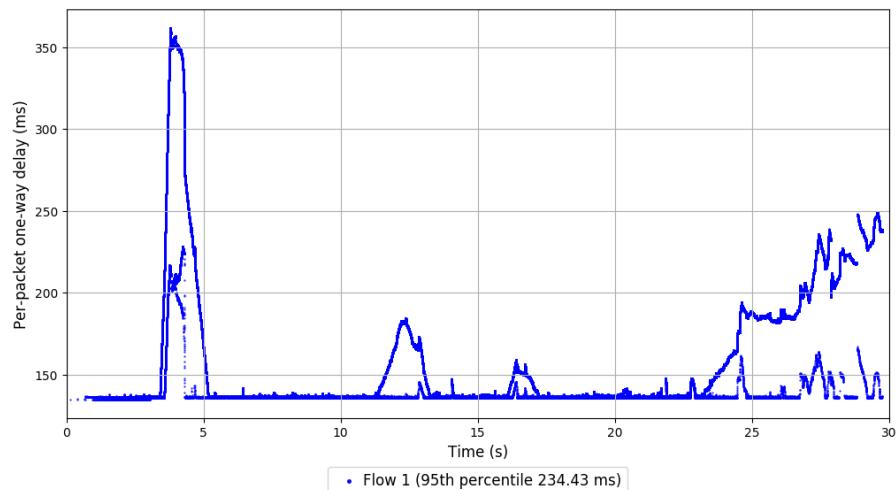
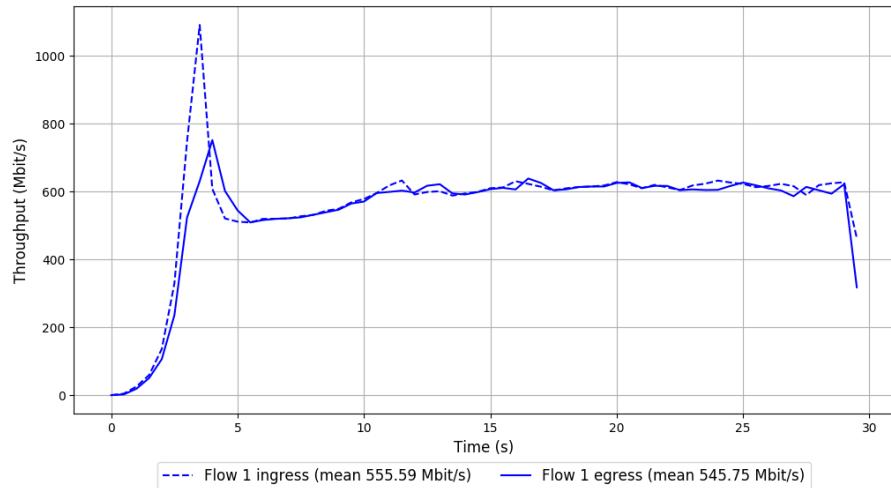
Run 4: Statistics of PCC

Start at: 2018-04-10 20:16:36

End at: 2018-04-10 20:17:06

```
# Below is generated by plot.py at 2018-04-11 01:03:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 545.75 Mbit/s
95th percentile per-packet one-way delay: 234.429 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 545.75 Mbit/s
95th percentile per-packet one-way delay: 234.429 ms
Loss rate: 2.66%
```

Run 4: Report of PCC — Data Link



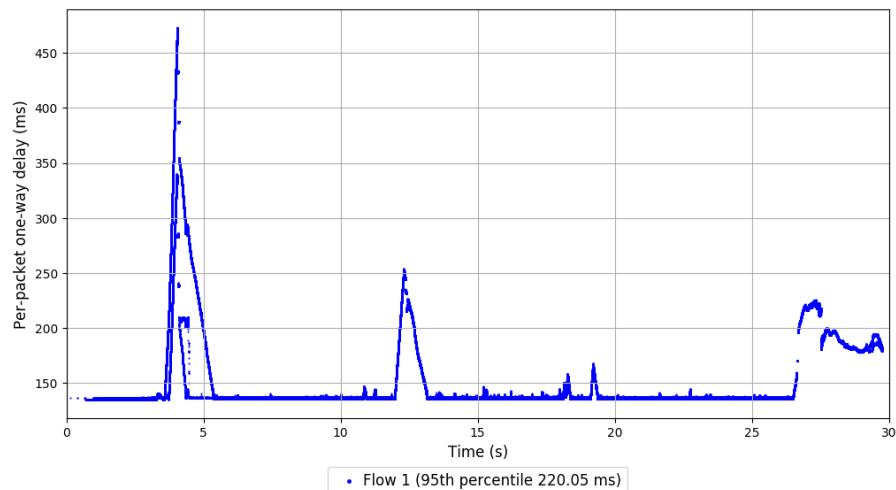
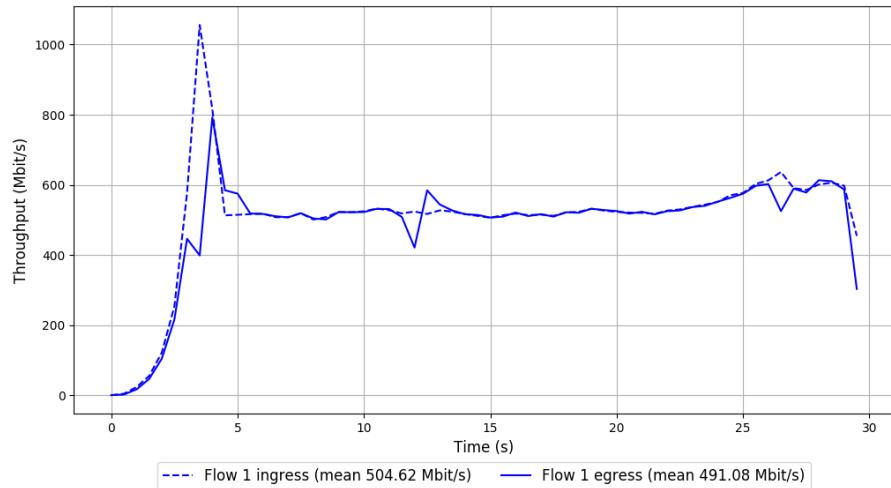
Run 5: Statistics of PCC

Start at: 2018-04-10 20:31:55

End at: 2018-04-10 20:32:25

```
# Below is generated by plot.py at 2018-04-11 01:03:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 491.08 Mbit/s
95th percentile per-packet one-way delay: 220.049 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 491.08 Mbit/s
95th percentile per-packet one-way delay: 220.049 ms
Loss rate: 3.58%
```

Run 5: Report of PCC — Data Link



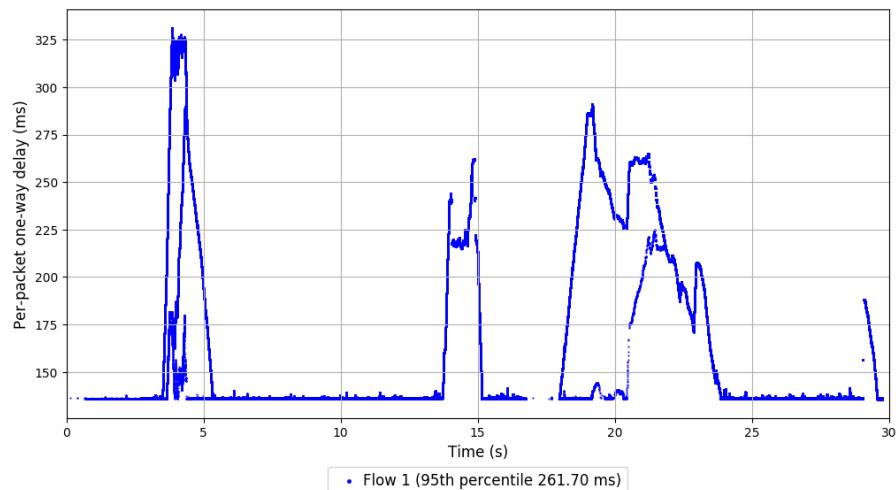
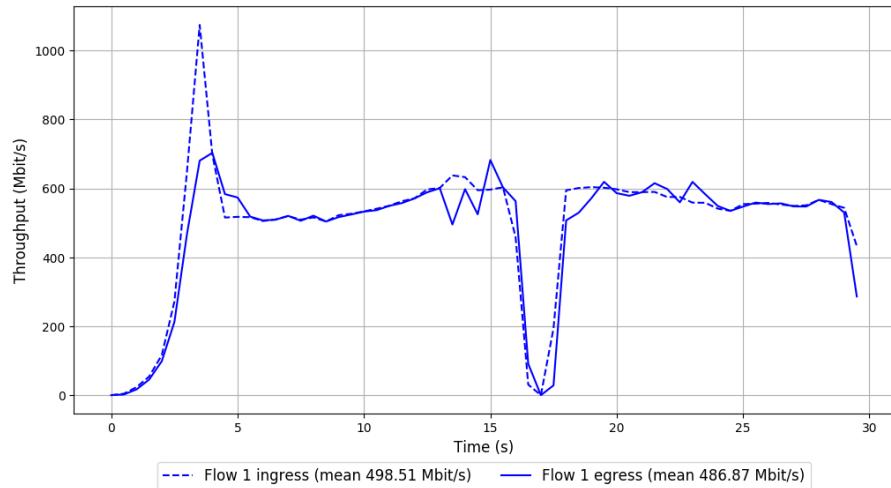
Run 6: Statistics of PCC

Start at: 2018-04-10 20:47:40

End at: 2018-04-10 20:48:10

```
# Below is generated by plot.py at 2018-04-11 01:03:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 486.87 Mbit/s
95th percentile per-packet one-way delay: 261.704 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 486.87 Mbit/s
95th percentile per-packet one-way delay: 261.704 ms
Loss rate: 3.22%
```

Run 6: Report of PCC — Data Link



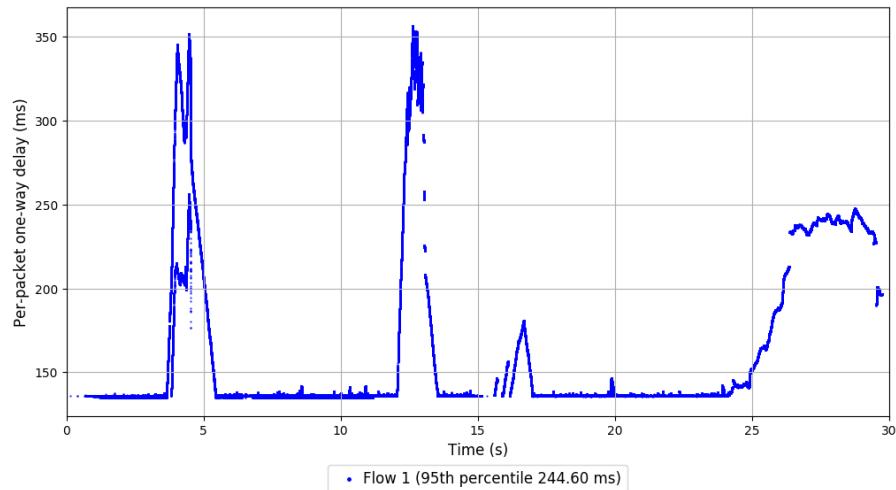
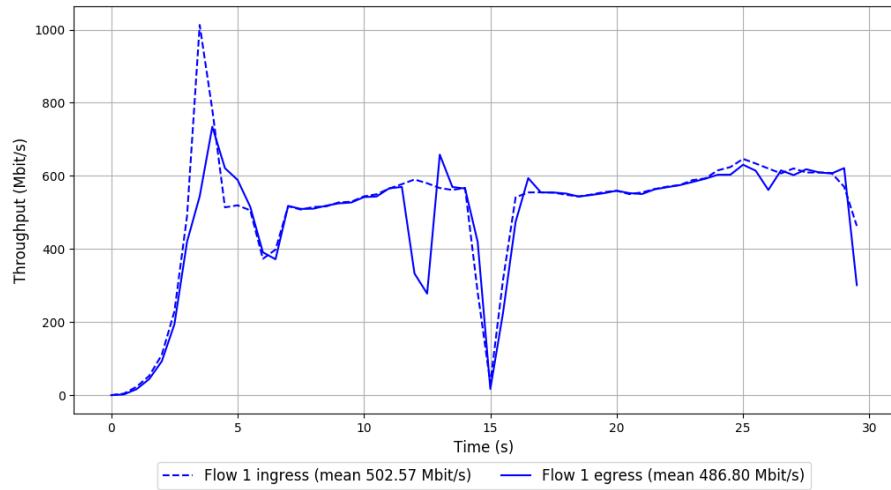
Run 7: Statistics of PCC

Start at: 2018-04-10 21:02:58

End at: 2018-04-10 21:03:28

```
# Below is generated by plot.py at 2018-04-11 01:03:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 486.80 Mbit/s
95th percentile per-packet one-way delay: 244.605 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 486.80 Mbit/s
95th percentile per-packet one-way delay: 244.605 ms
Loss rate: 4.02%
```

Run 7: Report of PCC — Data Link



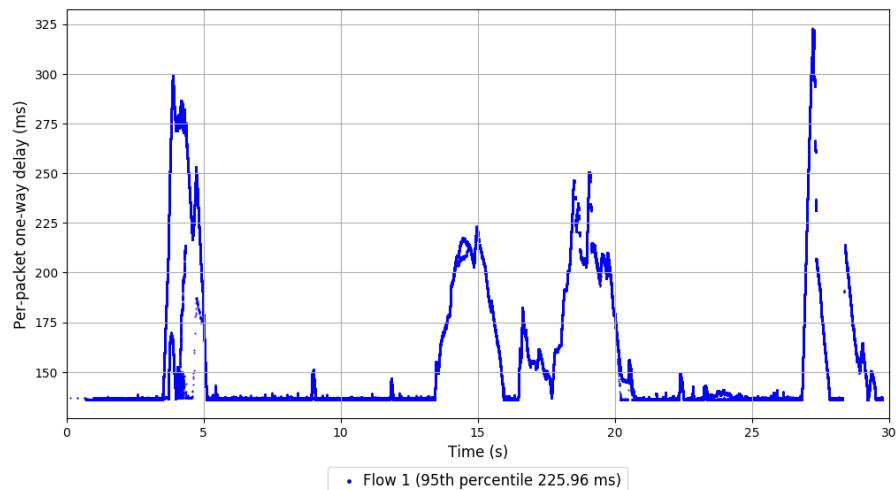
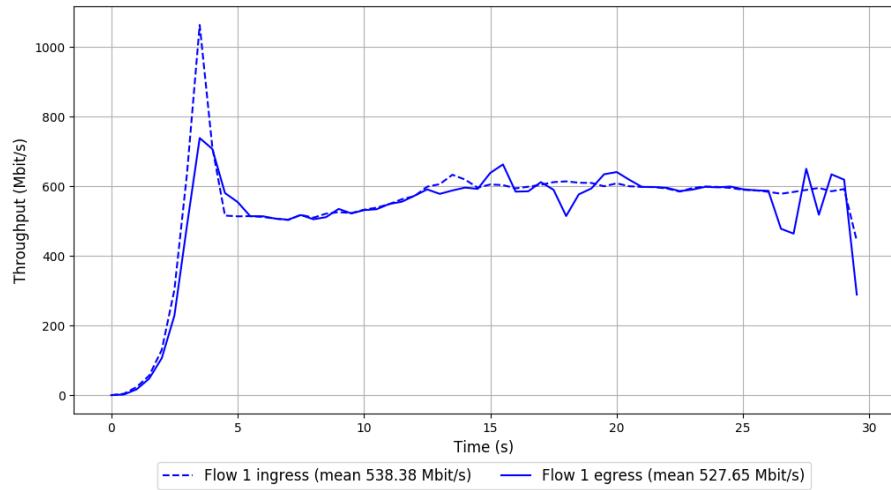
Run 8: Statistics of PCC

Start at: 2018-04-10 21:18:44

End at: 2018-04-10 21:19:14

```
# Below is generated by plot.py at 2018-04-11 01:04:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 527.65 Mbit/s
95th percentile per-packet one-way delay: 225.958 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 527.65 Mbit/s
95th percentile per-packet one-way delay: 225.958 ms
Loss rate: 2.89%
```

Run 8: Report of PCC — Data Link



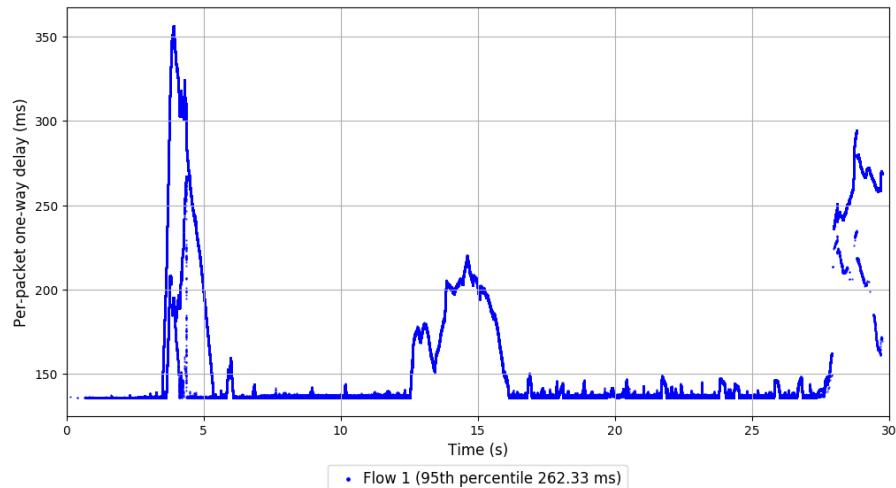
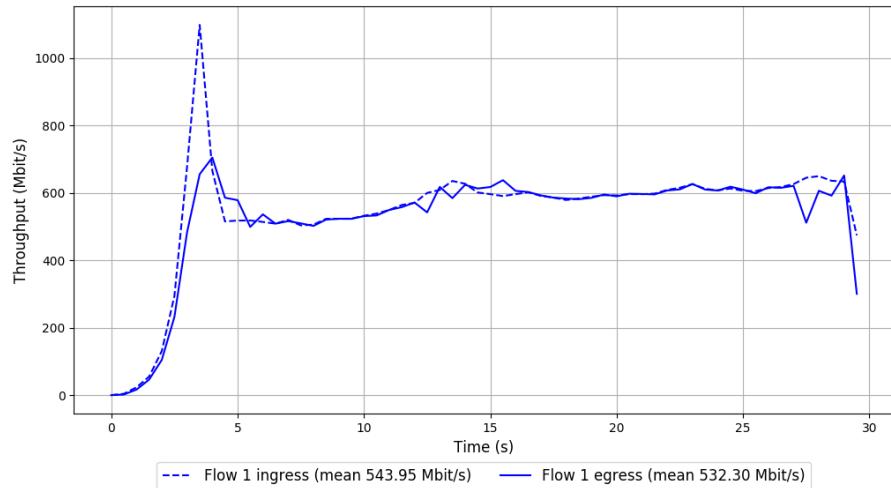
Run 9: Statistics of PCC

Start at: 2018-04-10 21:34:12

End at: 2018-04-10 21:34:42

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 532.30 Mbit/s
95th percentile per-packet one-way delay: 262.329 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 532.30 Mbit/s
95th percentile per-packet one-way delay: 262.329 ms
Loss rate: 3.03%
```

Run 9: Report of PCC — Data Link



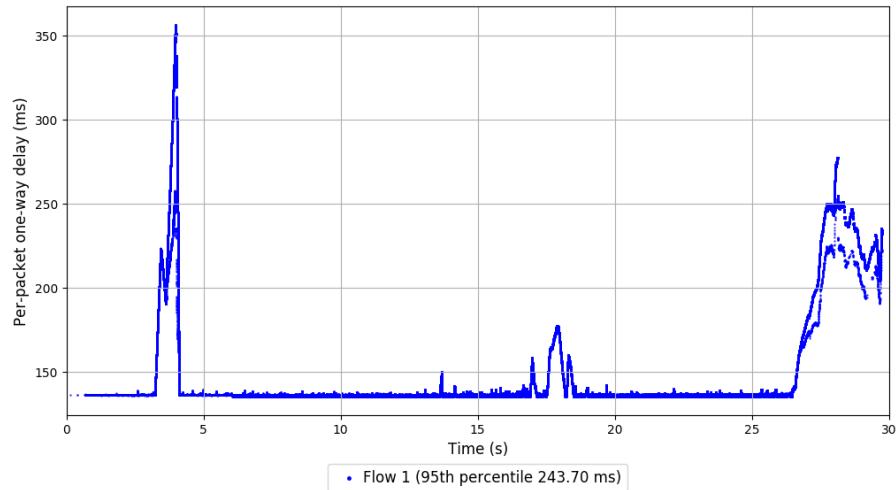
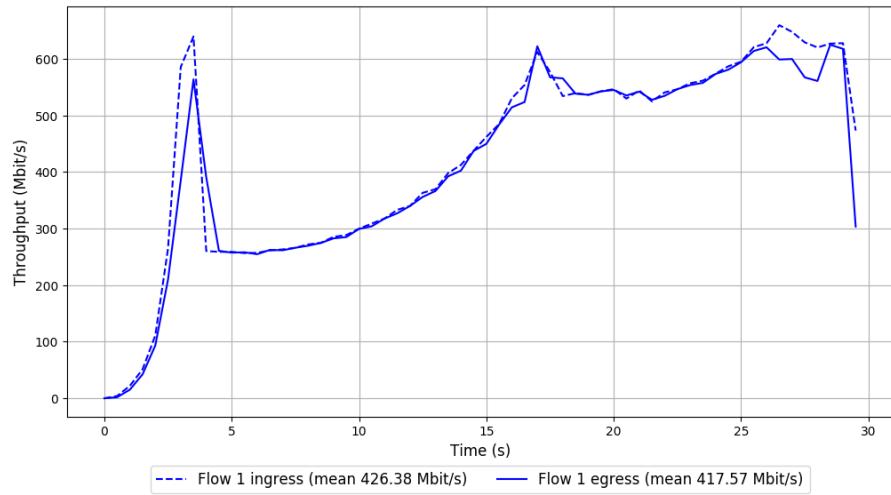
Run 10: Statistics of PCC

Start at: 2018-04-10 21:49:53

End at: 2018-04-10 21:50:23

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 417.57 Mbit/s
95th percentile per-packet one-way delay: 243.701 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 417.57 Mbit/s
95th percentile per-packet one-way delay: 243.701 ms
Loss rate: 2.96%
```

Run 10: Report of PCC — Data Link

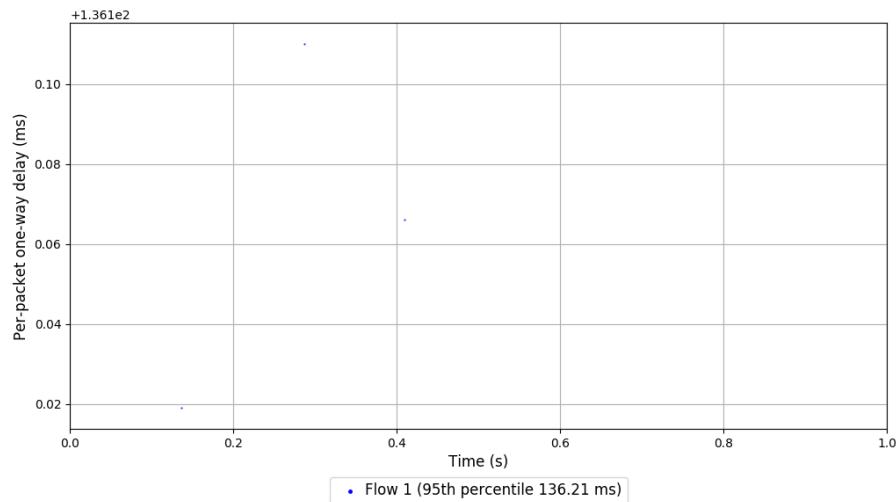
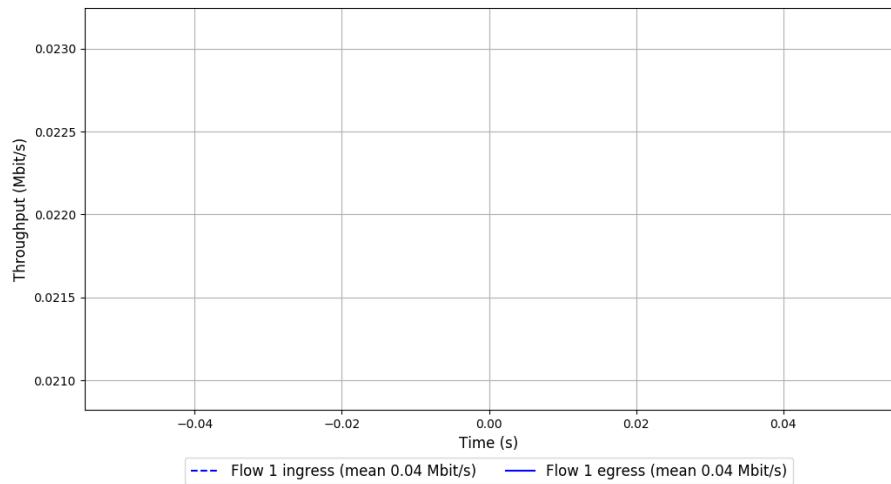


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-10 19:37:58

End at: 2018-04-10 19:38:29

Run 1: Report of QUIC Cubic — Data Link



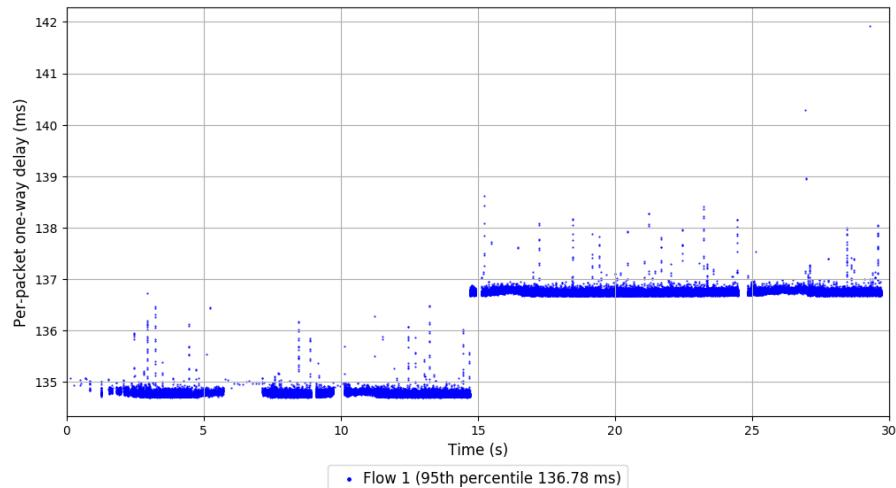
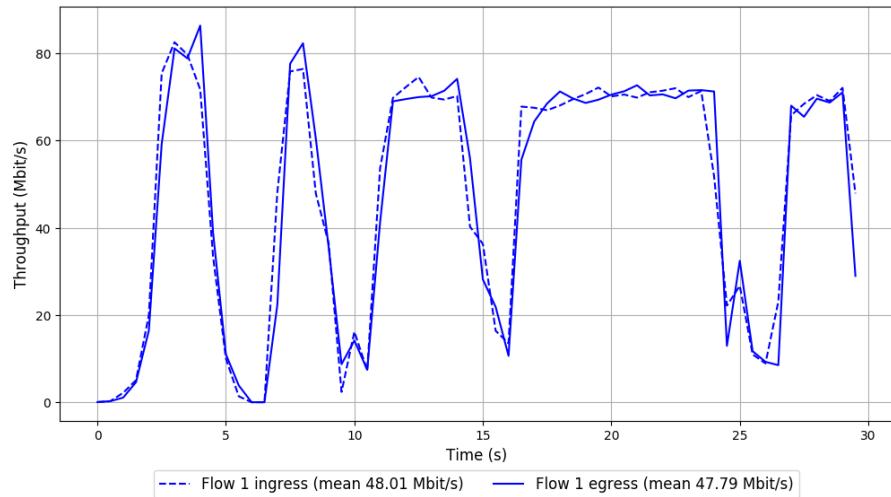
Run 2: Statistics of QUIC Cubic

Start at: 2018-04-10 19:53:15

End at: 2018-04-10 19:53:45

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.79 Mbit/s
95th percentile per-packet one-way delay: 136.784 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 47.79 Mbit/s
95th percentile per-packet one-way delay: 136.784 ms
Loss rate: 1.36%
```

Run 2: Report of QUIC Cubic — Data Link



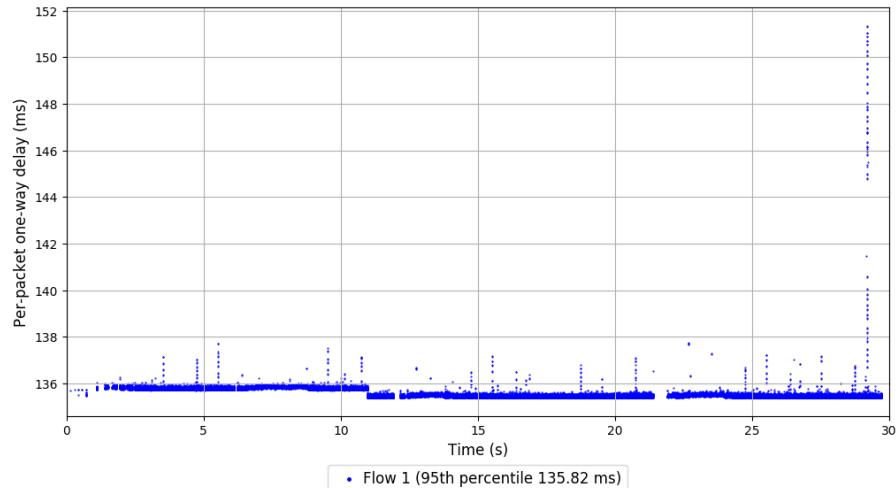
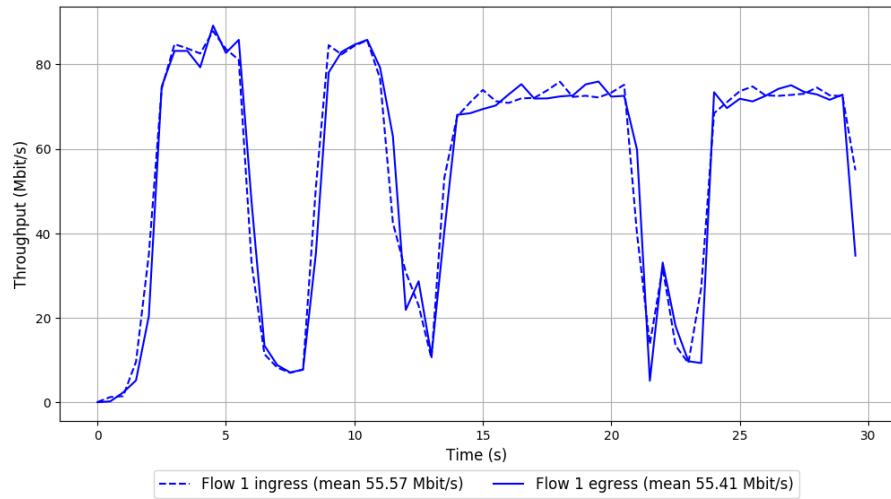
Run 3: Statistics of QUIC Cubic

Start at: 2018-04-10 20:08:38

End at: 2018-04-10 20:09:08

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.41 Mbit/s
95th percentile per-packet one-way delay: 135.816 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 55.41 Mbit/s
95th percentile per-packet one-way delay: 135.816 ms
Loss rate: 1.21%
```

Run 3: Report of QUIC Cubic — Data Link



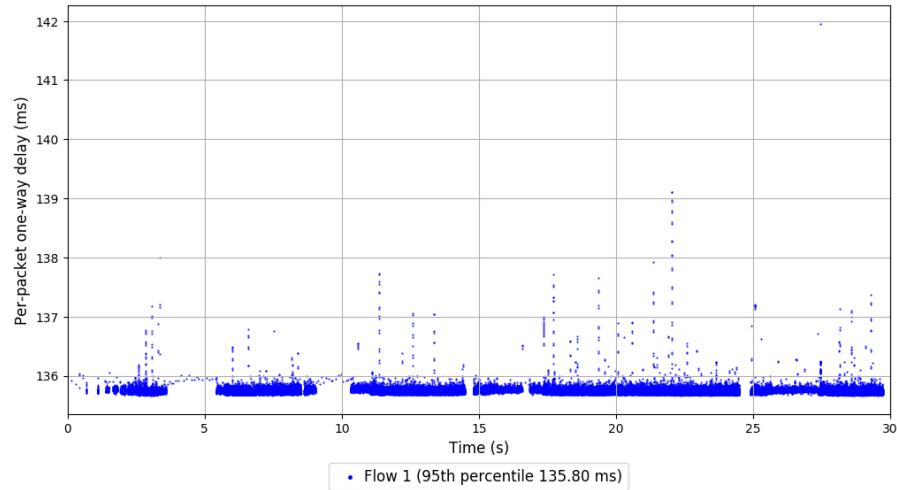
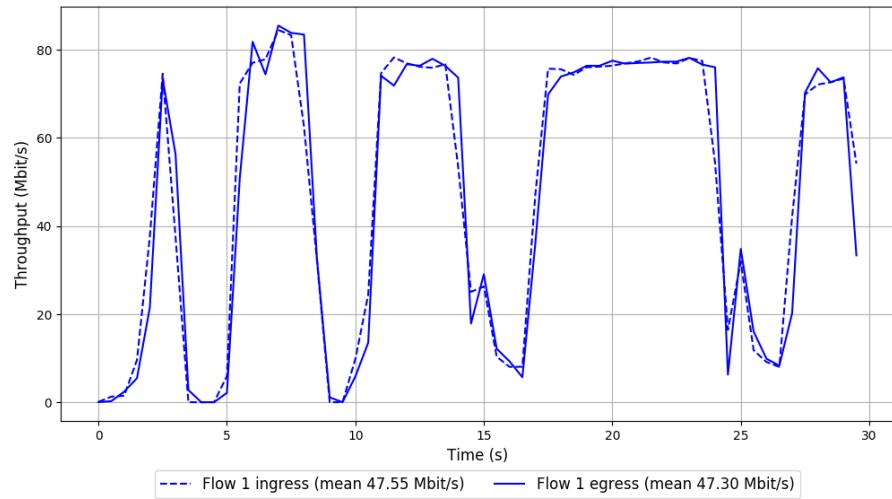
Run 4: Statistics of QUIC Cubic

Start at: 2018-04-10 20:23:53

End at: 2018-04-10 20:24:23

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.30 Mbit/s
95th percentile per-packet one-way delay: 135.799 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 47.30 Mbit/s
95th percentile per-packet one-way delay: 135.799 ms
Loss rate: 1.42%
```

Run 4: Report of QUIC Cubic — Data Link



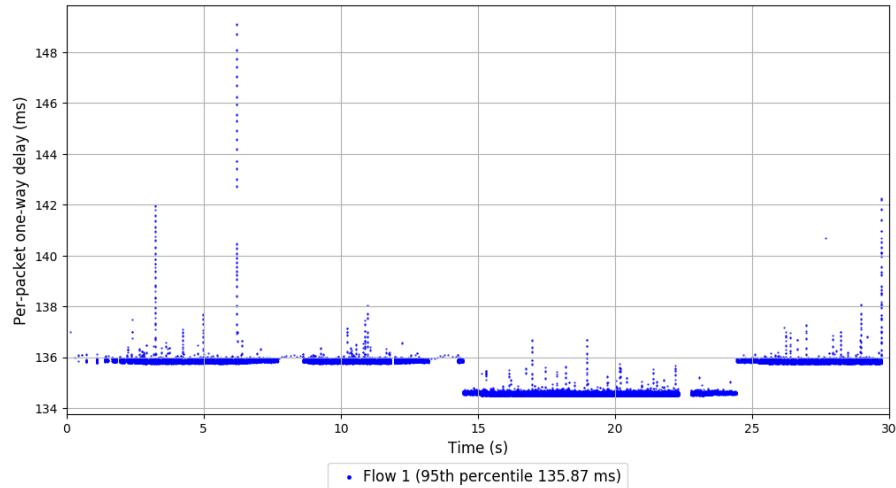
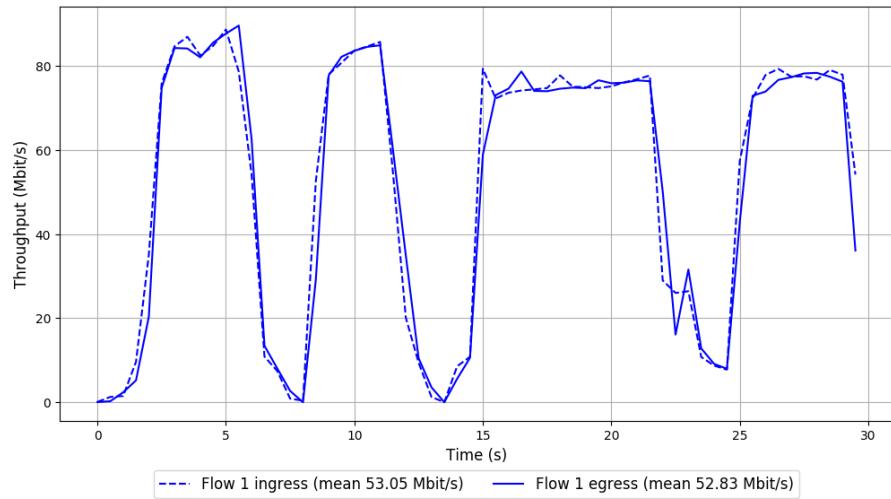
Run 5: Statistics of QUIC Cubic

Start at: 2018-04-10 20:39:15

End at: 2018-04-10 20:39:45

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.83 Mbit/s
95th percentile per-packet one-way delay: 135.866 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 52.83 Mbit/s
95th percentile per-packet one-way delay: 135.866 ms
Loss rate: 1.32%
```

Run 5: Report of QUIC Cubic — Data Link



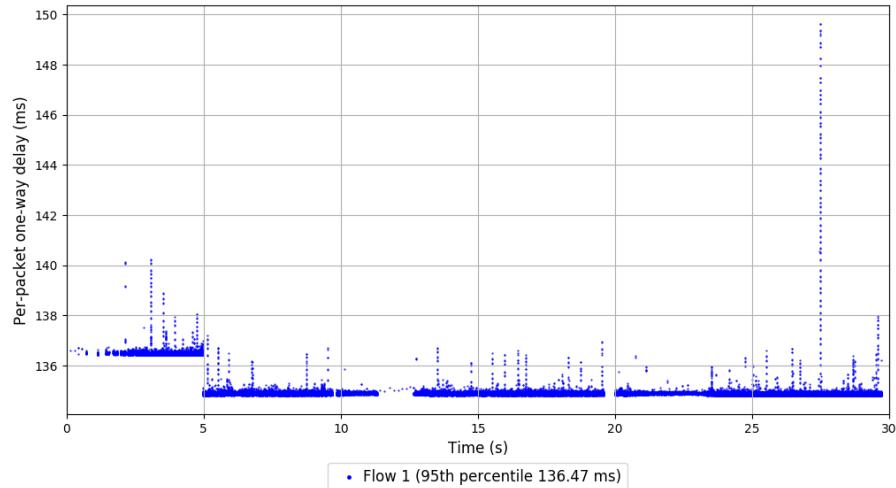
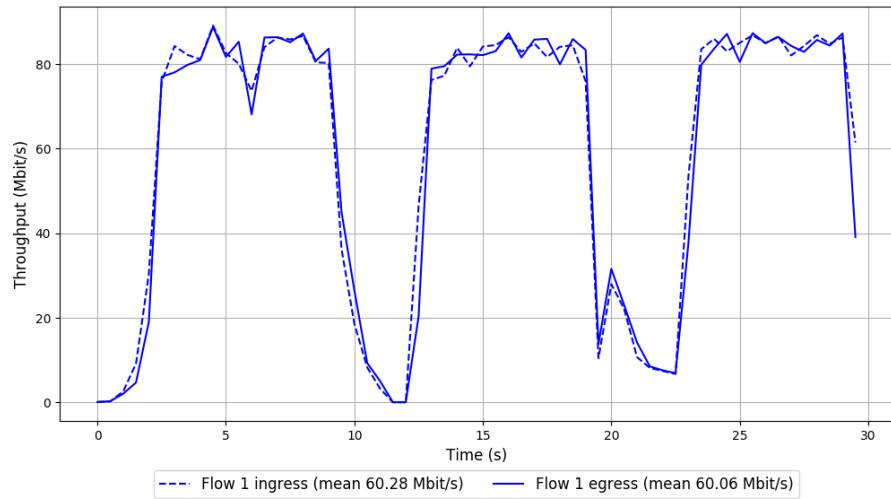
Run 6: Statistics of QUIC Cubic

Start at: 2018-04-10 20:54:54

End at: 2018-04-10 20:55:24

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.06 Mbit/s
95th percentile per-packet one-way delay: 136.465 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 60.06 Mbit/s
95th percentile per-packet one-way delay: 136.465 ms
Loss rate: 1.27%
```

Run 6: Report of QUIC Cubic — Data Link



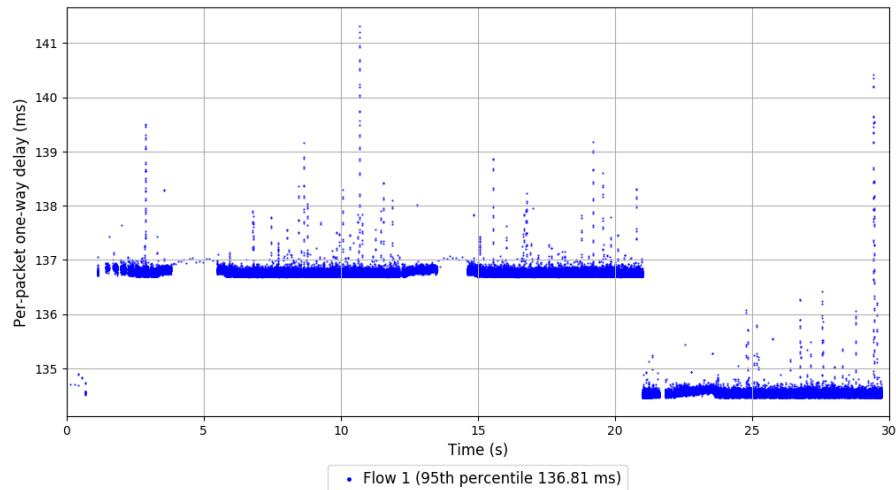
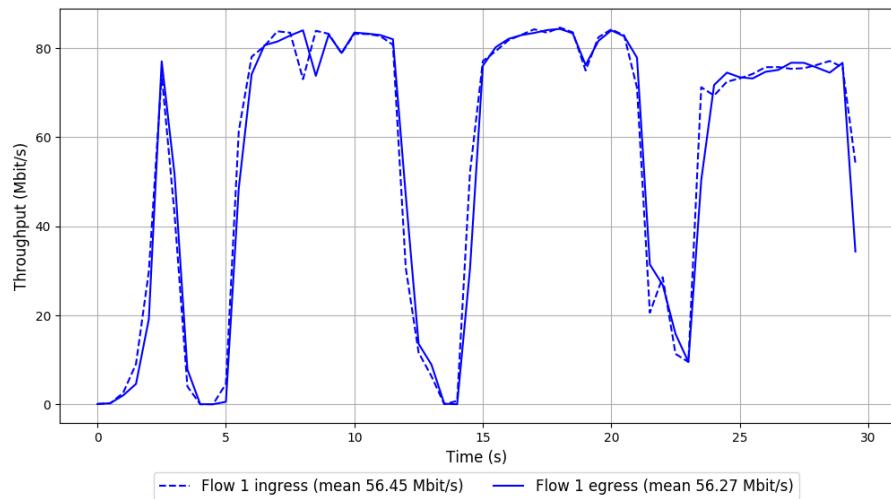
Run 7: Statistics of QUIC Cubic

Start at: 2018-04-10 21:10:18

End at: 2018-04-10 21:10:48

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 136.806 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 136.806 ms
Loss rate: 1.22%
```

Run 7: Report of QUIC Cubic — Data Link



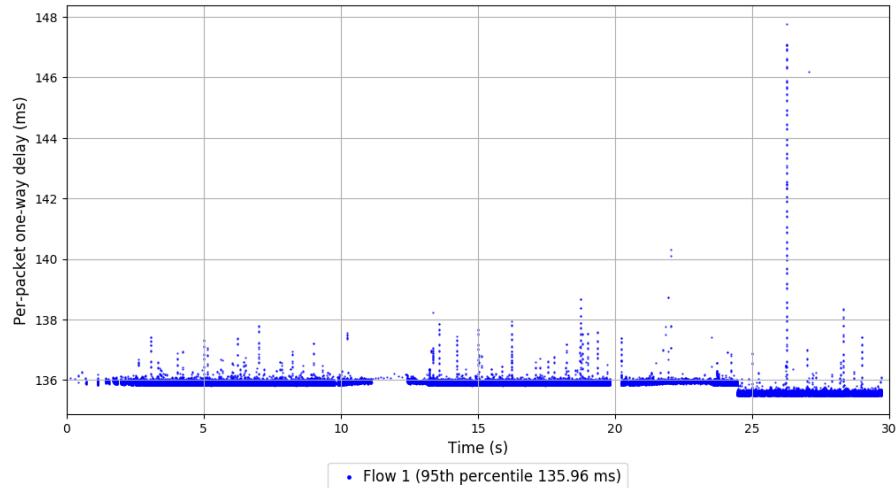
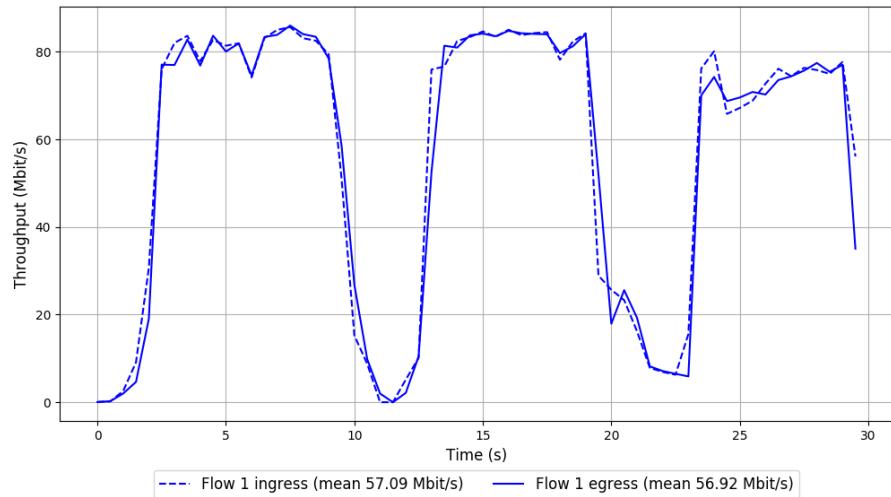
Run 8: Statistics of QUIC Cubic

Start at: 2018-04-10 21:26:05

End at: 2018-04-10 21:26:35

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 135.958 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 135.958 ms
Loss rate: 1.21%
```

Run 8: Report of QUIC Cubic — Data Link



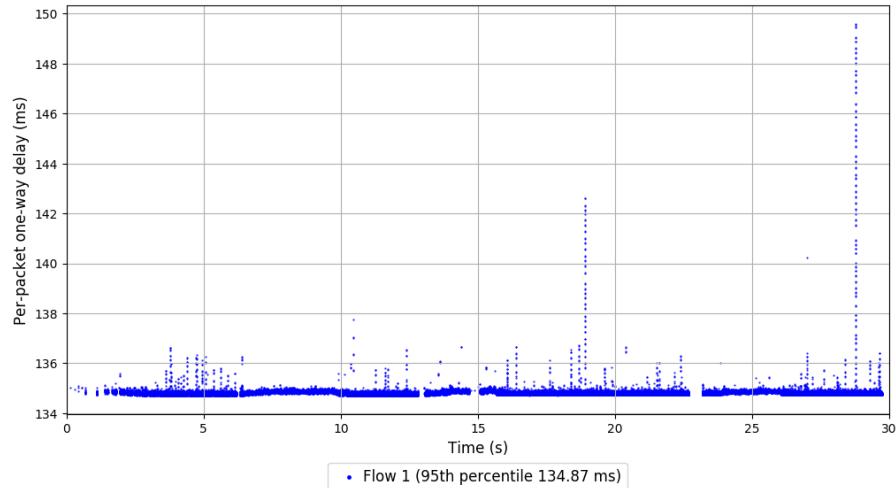
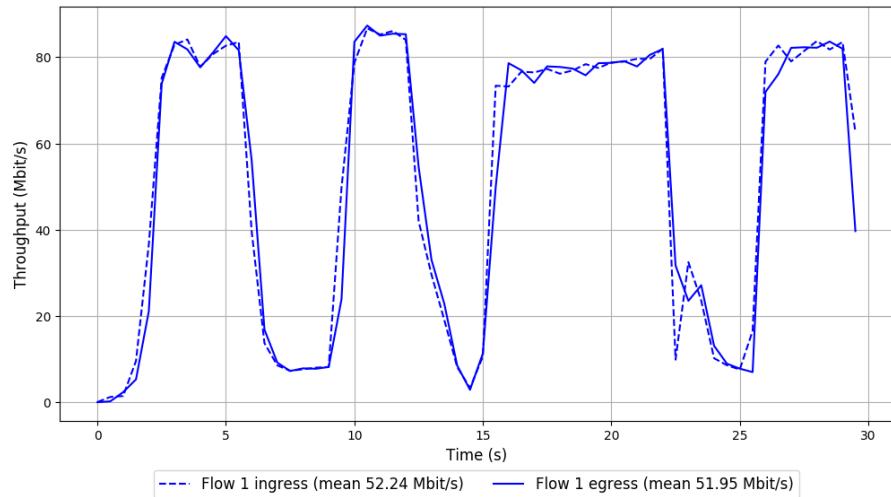
Run 9: Statistics of QUIC Cubic

Start at: 2018-04-10 21:41:46

End at: 2018-04-10 21:42:16

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: 134.867 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: 134.867 ms
Loss rate: 1.45%
```

Run 9: Report of QUIC Cubic — Data Link



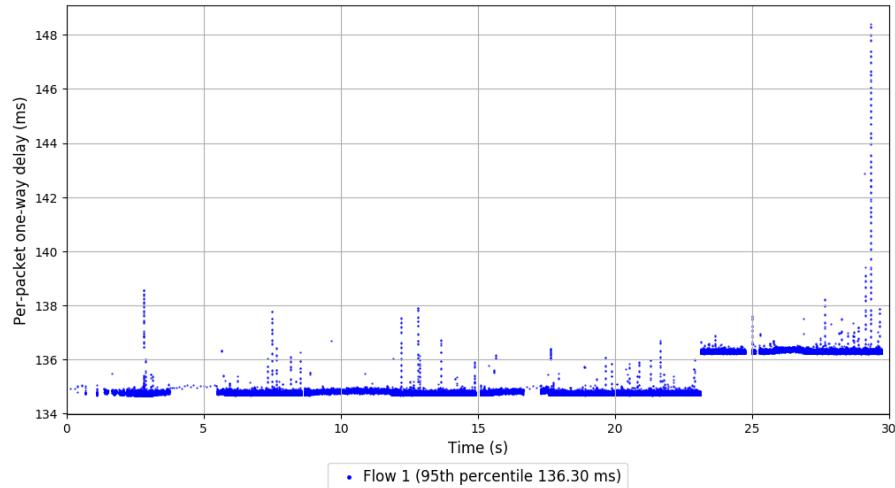
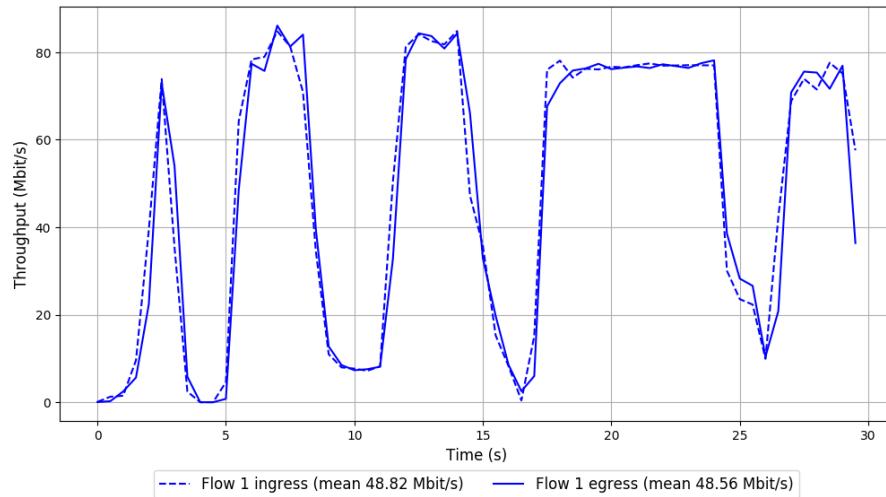
Run 10: Statistics of QUIC Cubic

Start at: 2018-04-10 21:57:16

End at: 2018-04-10 21:57:46

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 136.300 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 136.300 ms
Loss rate: 1.43%
```

Run 10: Report of QUIC Cubic — Data Link



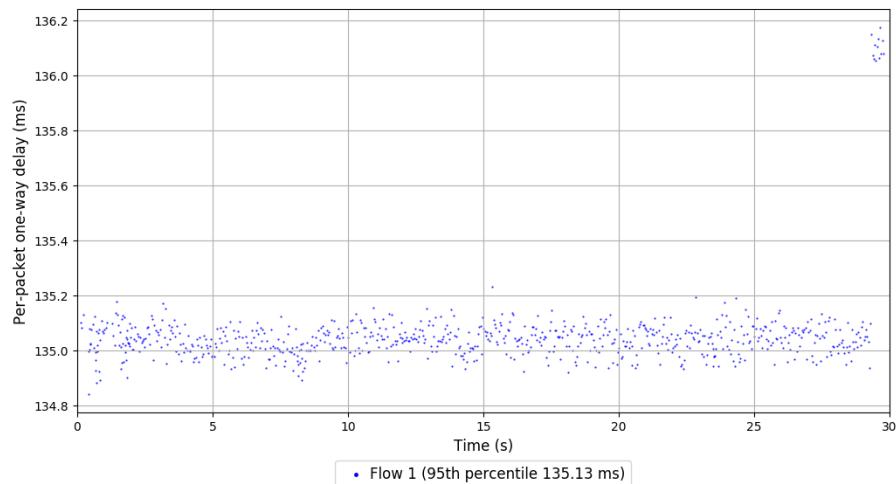
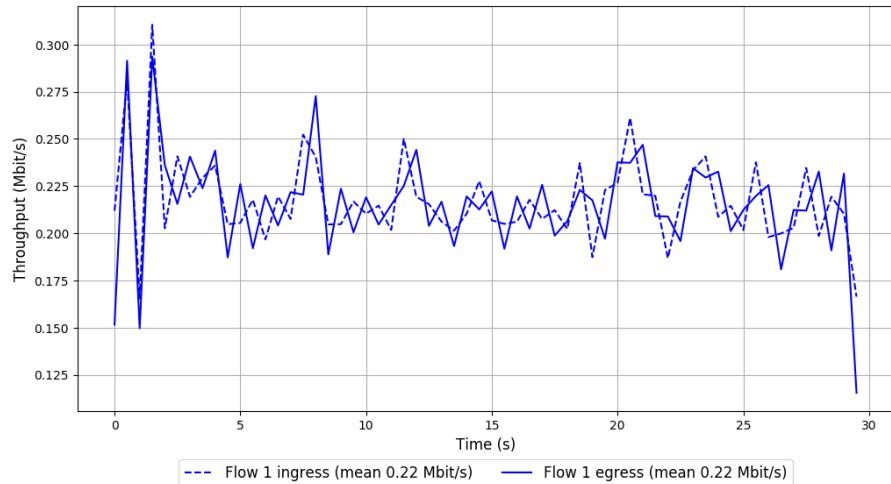
Run 1: Statistics of SCReAM

Start at: 2018-04-10 19:42:20

End at: 2018-04-10 19:42:50

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.128 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.128 ms
Loss rate: 0.77%
```

Run 1: Report of SCReAM — Data Link



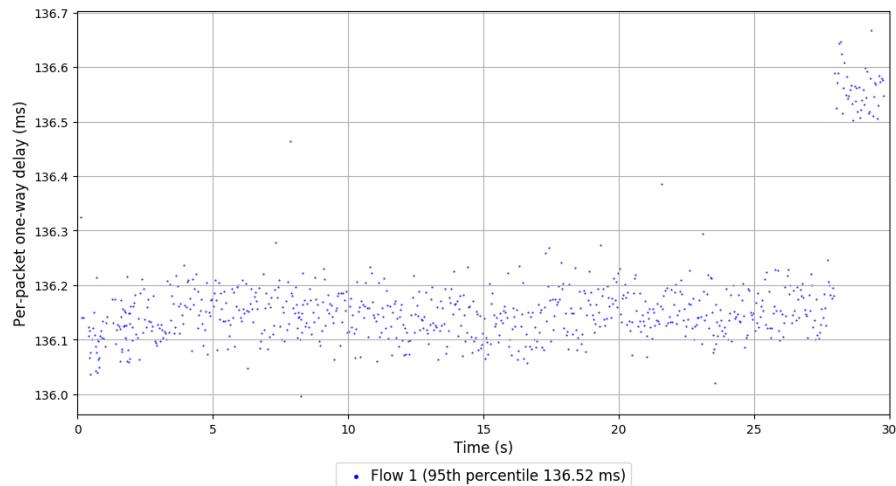
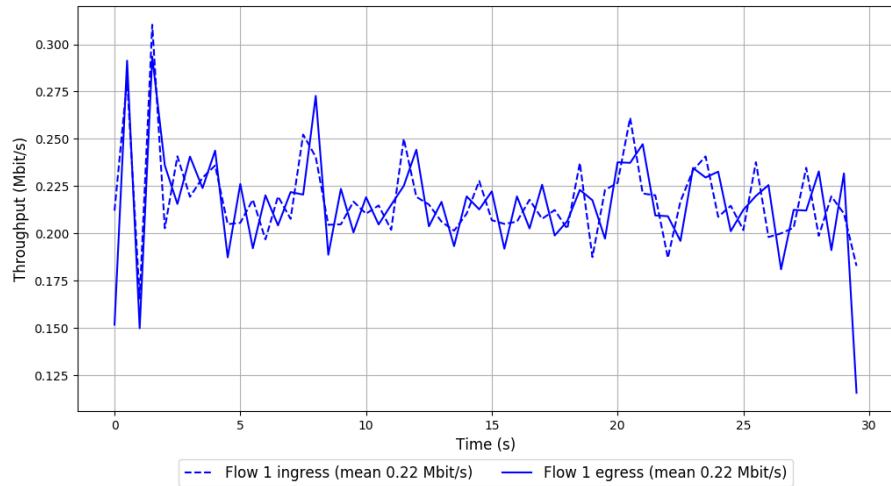
Run 2: Statistics of SCReAM

Start at: 2018-04-10 19:57:42

End at: 2018-04-10 19:58:12

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.519 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.519 ms
Loss rate: 0.89%
```

Run 2: Report of SCReAM — Data Link



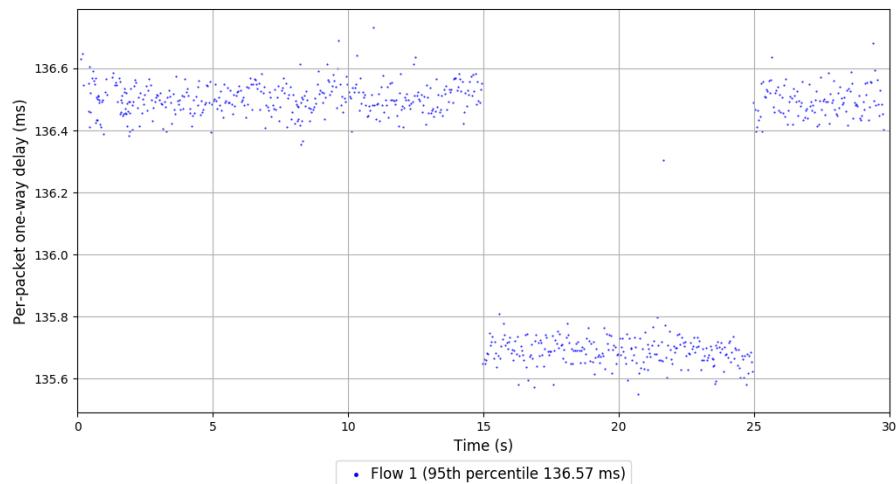
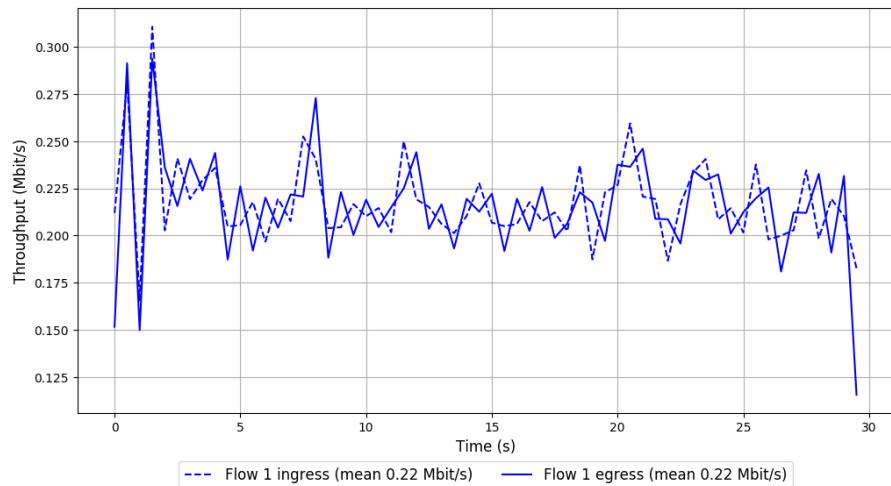
Run 3: Statistics of SCReAM

Start at: 2018-04-10 20:13:05

End at: 2018-04-10 20:13:35

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.567 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.567 ms
Loss rate: 0.89%
```

Run 3: Report of SCReAM — Data Link



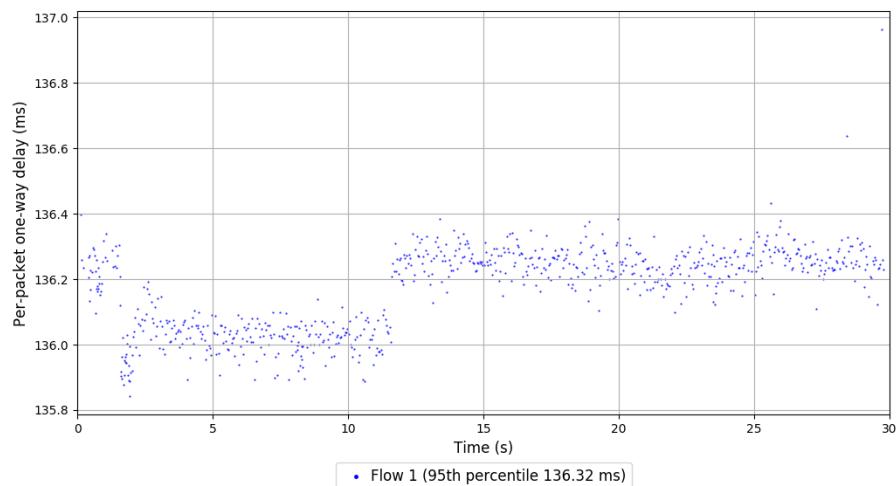
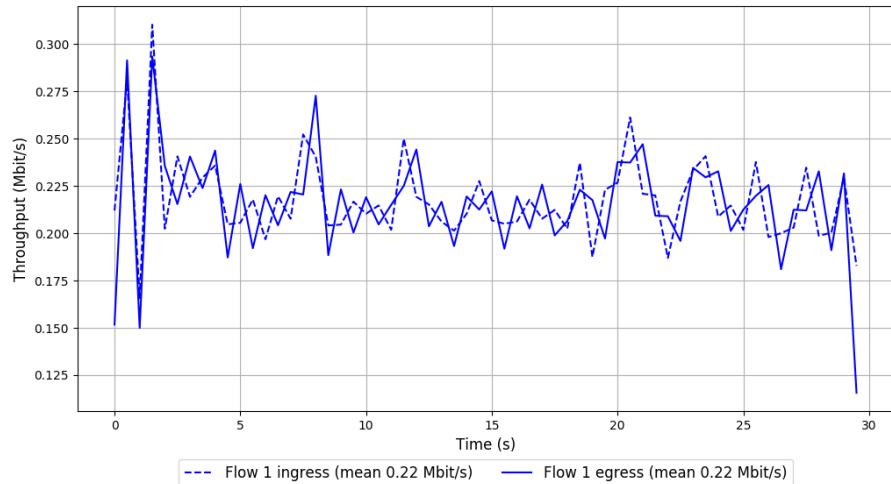
Run 4: Statistics of SCReAM

Start at: 2018-04-10 20:28:18

End at: 2018-04-10 20:28:48

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.321 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.321 ms
Loss rate: 0.89%
```

Run 4: Report of SCReAM — Data Link



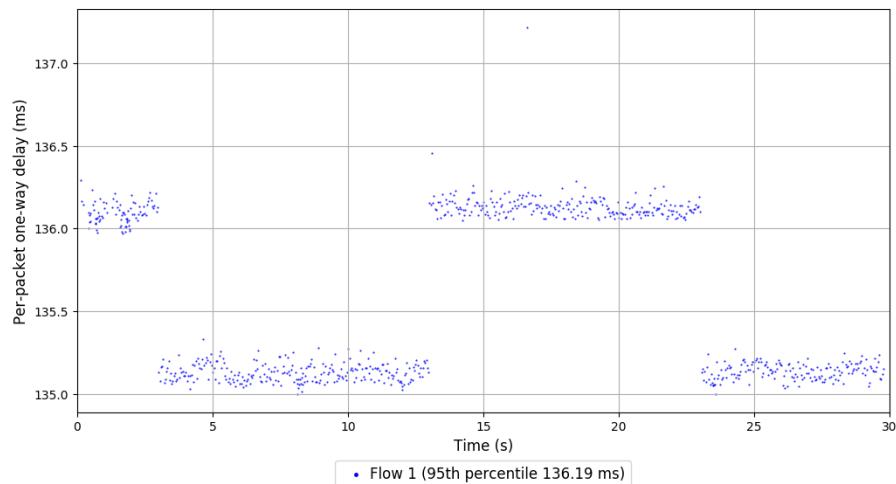
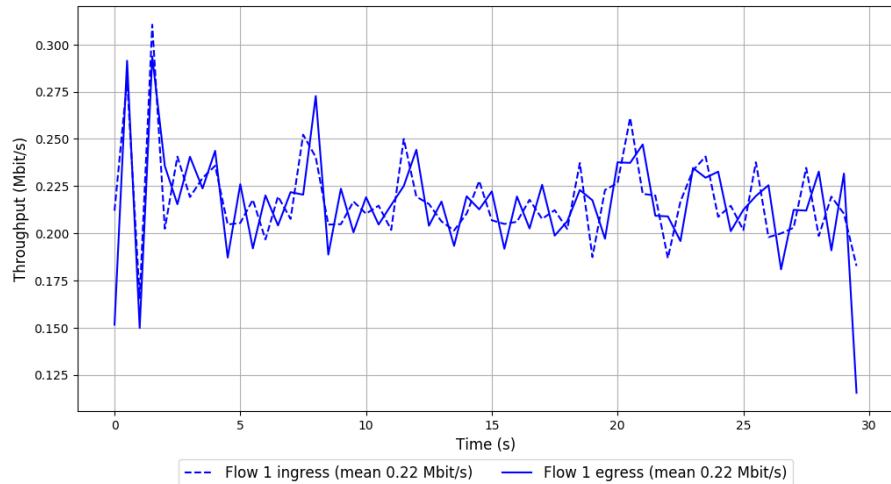
Run 5: Statistics of SCReAM

Start at: 2018-04-10 20:44:06

End at: 2018-04-10 20:44:37

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.186 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.186 ms
Loss rate: 0.89%
```

Run 5: Report of SCReAM — Data Link



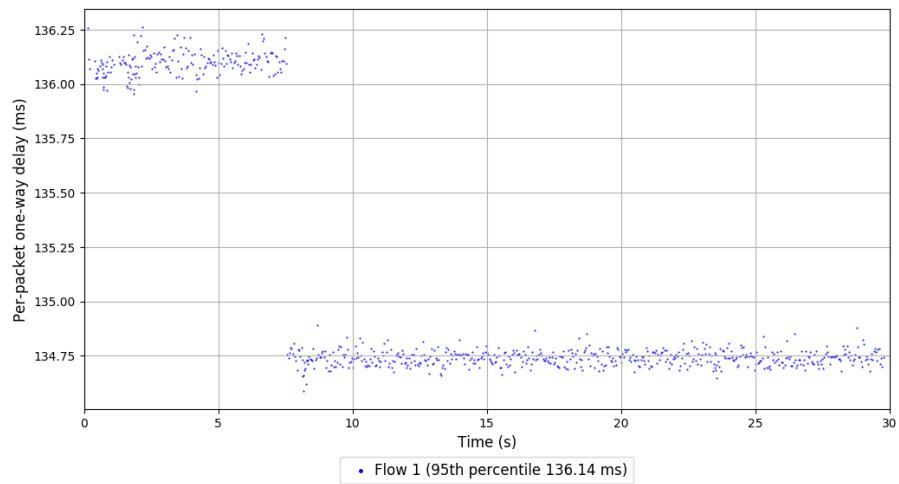
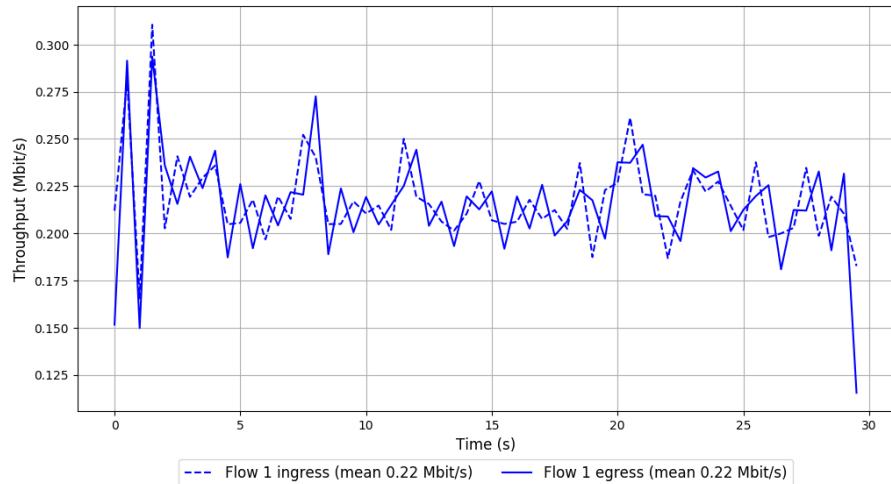
Run 6: Statistics of SCReAM

Start at: 2018-04-10 20:59:22

End at: 2018-04-10 20:59:52

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.136 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.136 ms
Loss rate: 0.89%
```

Run 6: Report of SCReAM — Data Link



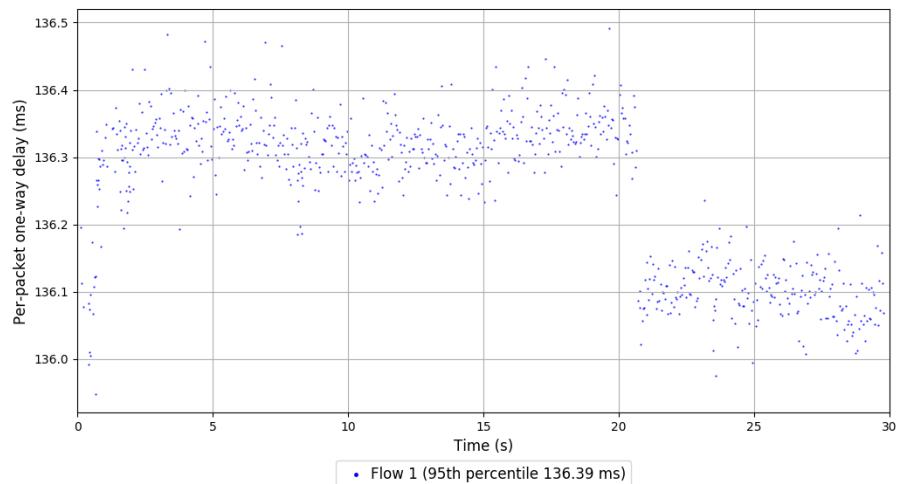
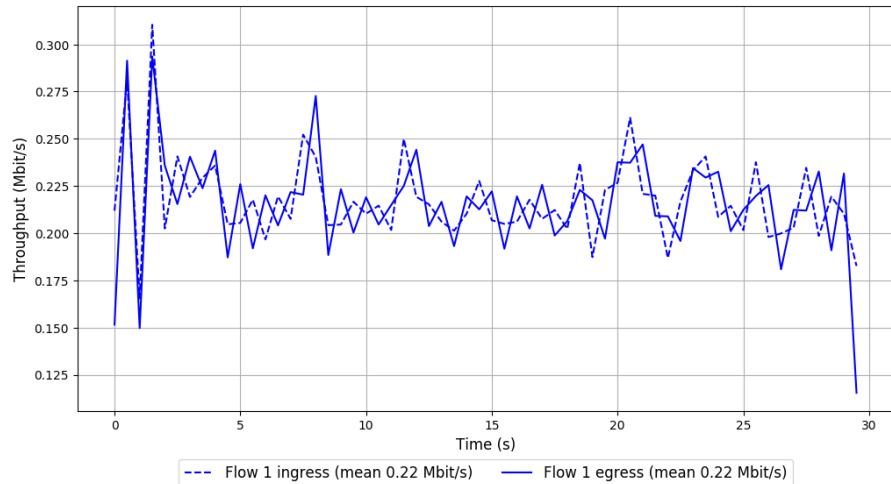
Run 7: Statistics of SCReAM

Start at: 2018-04-10 21:15:09

End at: 2018-04-10 21:15:39

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.391 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.391 ms
Loss rate: 0.89%
```

Run 7: Report of SCReAM — Data Link



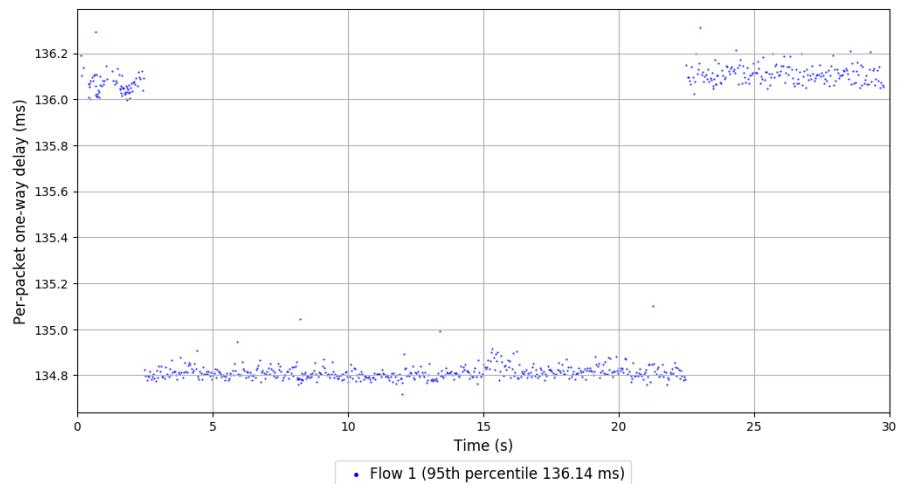
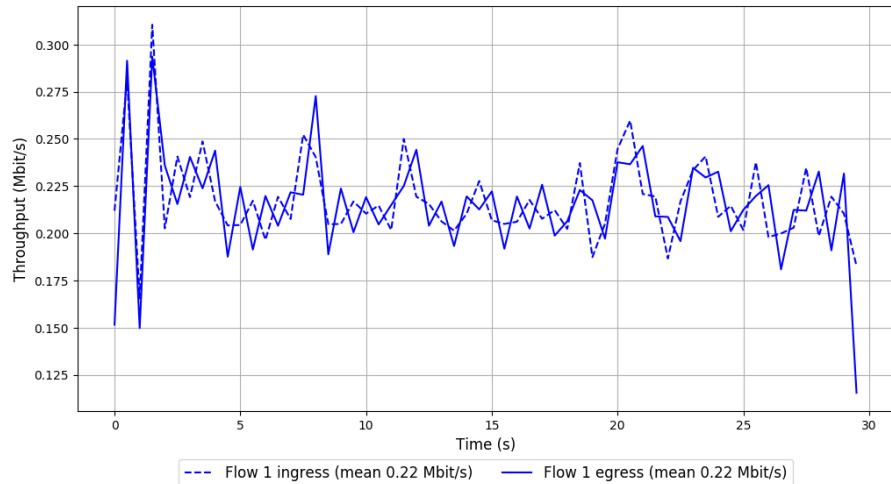
Run 8: Statistics of SCReAM

Start at: 2018-04-10 21:30:57

End at: 2018-04-10 21:31:27

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.141 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.141 ms
Loss rate: 0.89%
```

Run 8: Report of SCReAM — Data Link



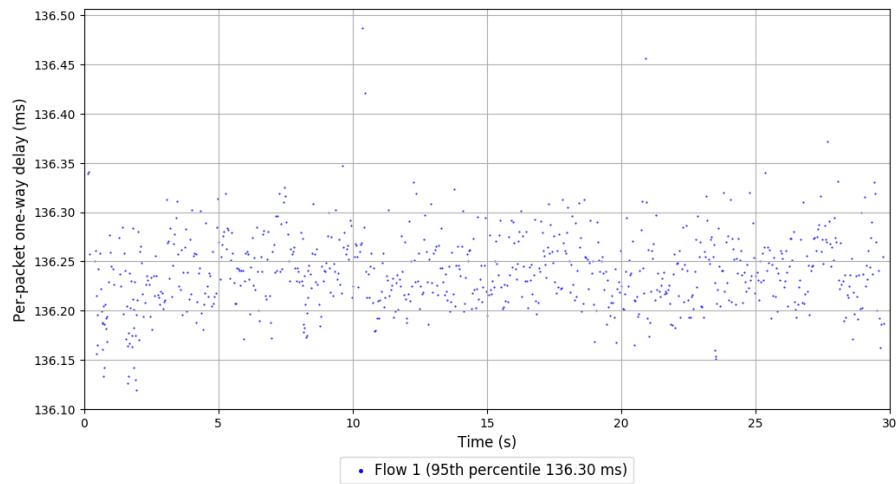
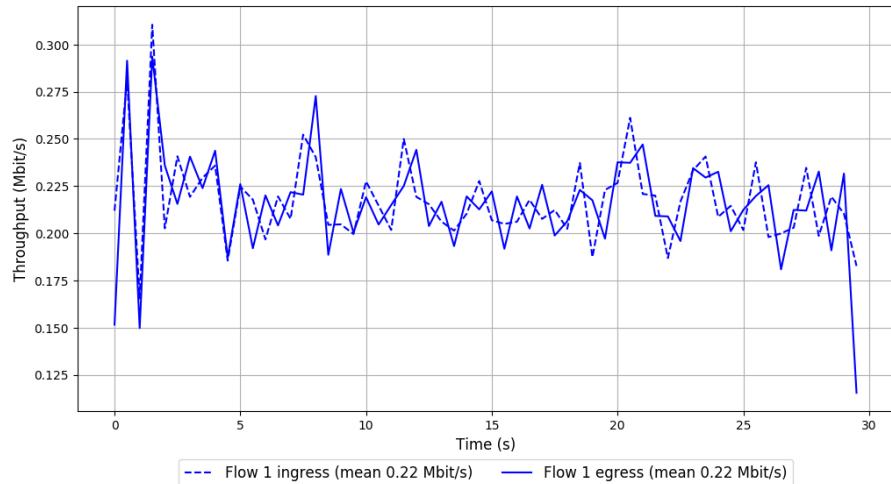
Run 9: Statistics of SCReAM

Start at: 2018-04-10 21:46:36

End at: 2018-04-10 21:47:06

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.302 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.302 ms
Loss rate: 0.89%
```

Run 9: Report of SCReAM — Data Link



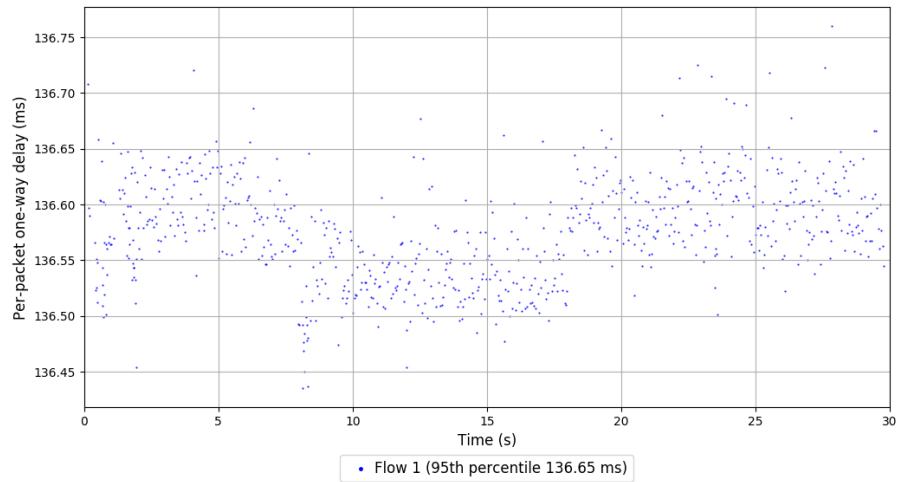
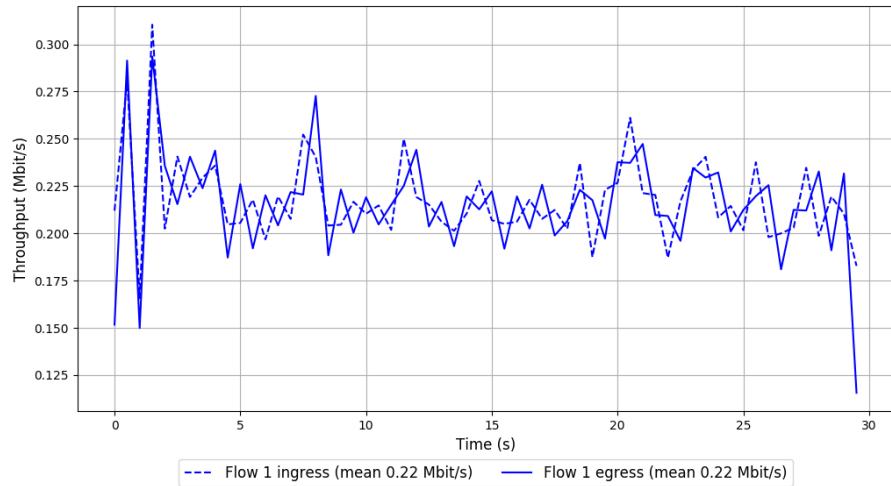
Run 10: Statistics of SCReAM

Start at: 2018-04-10 22:01:42

End at: 2018-04-10 22:02:12

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.646 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.646 ms
Loss rate: 0.89%
```

Run 10: Report of SCReAM — Data Link

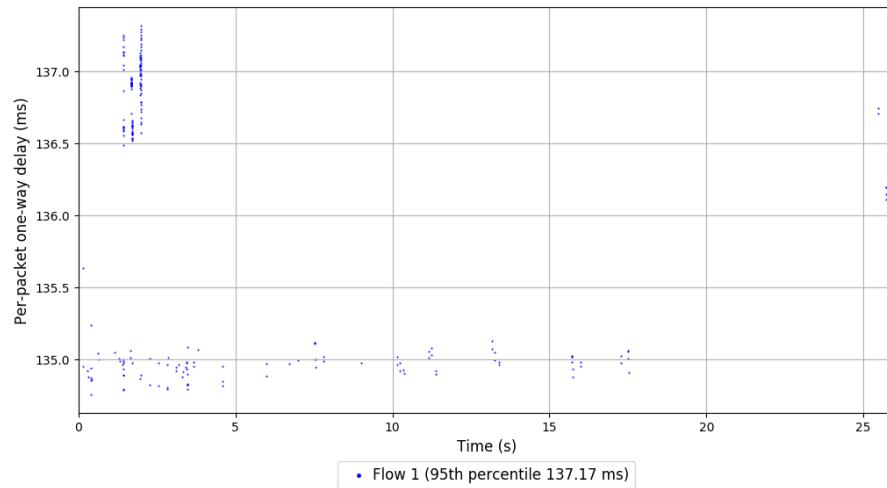
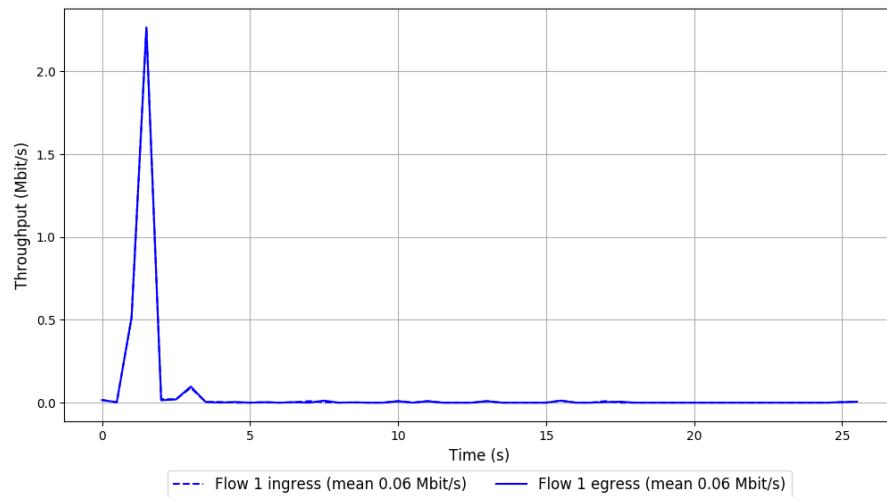


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-10 19:41:38
End at: 2018-04-10 19:42:09

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 137.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 137.167 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



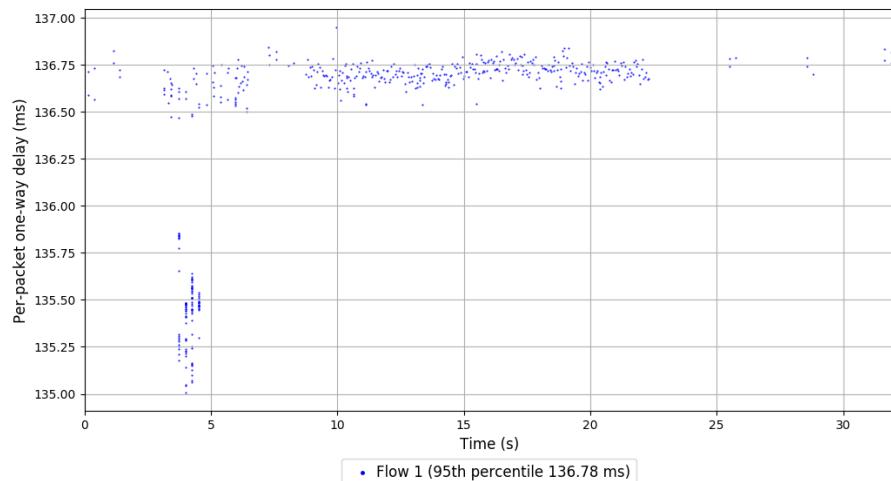
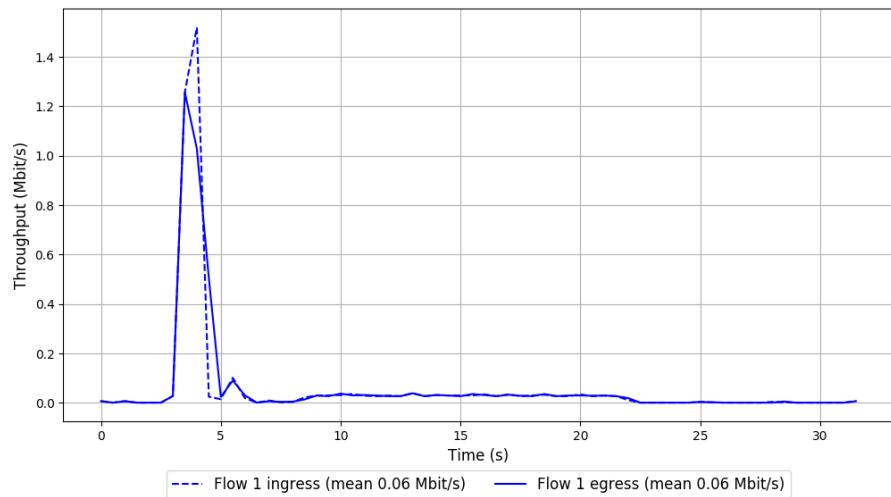
Run 2: Statistics of WebRTC media

Start at: 2018-04-10 19:57:00

End at: 2018-04-10 19:57:30

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.784 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link



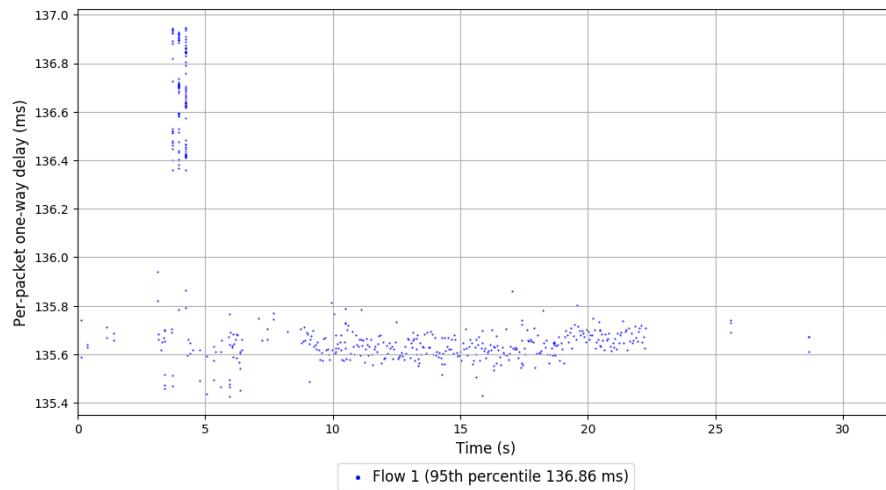
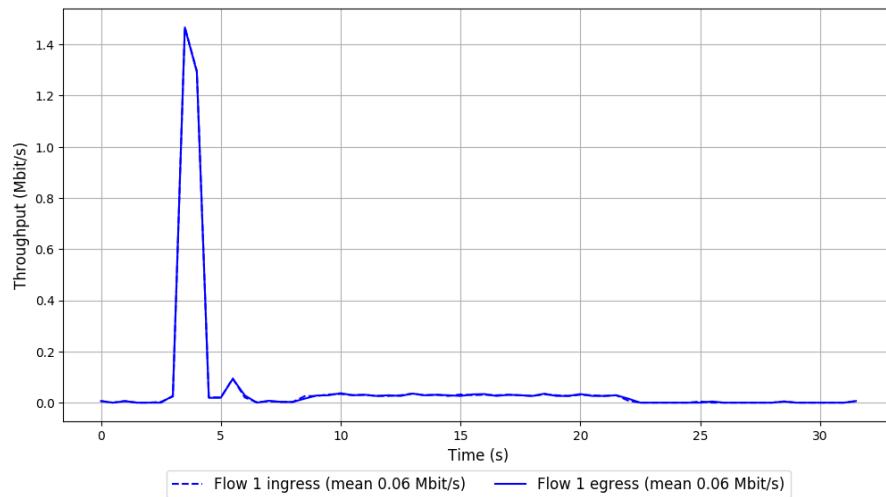
Run 3: Statistics of WebRTC media

Start at: 2018-04-10 20:12:23

End at: 2018-04-10 20:12:53

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.864 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link



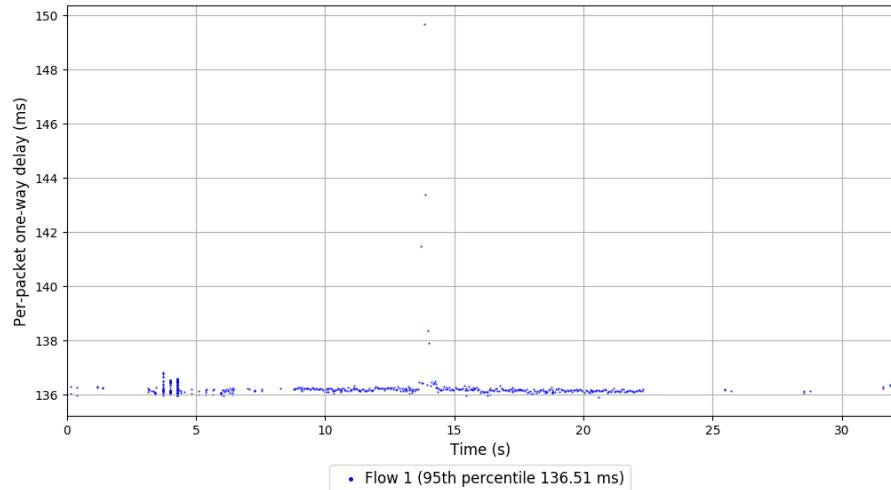
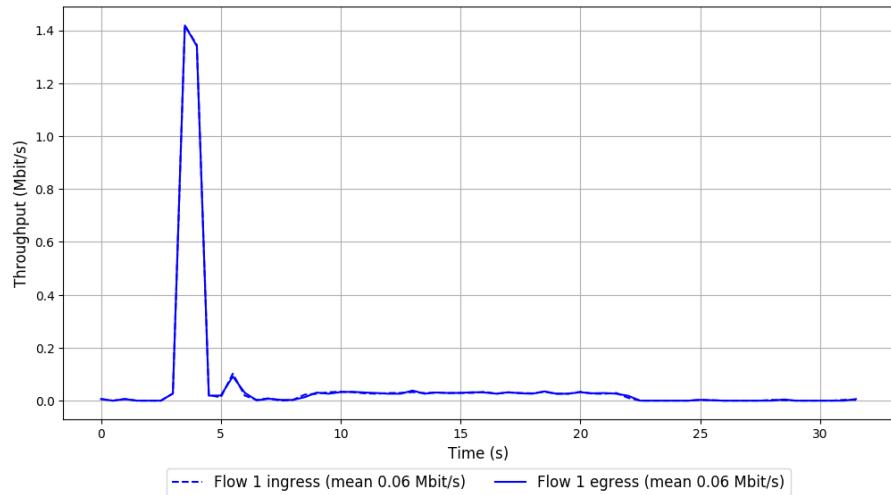
Run 4: Statistics of WebRTC media

Start at: 2018-04-10 20:27:36

End at: 2018-04-10 20:28:06

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.510 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.510 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



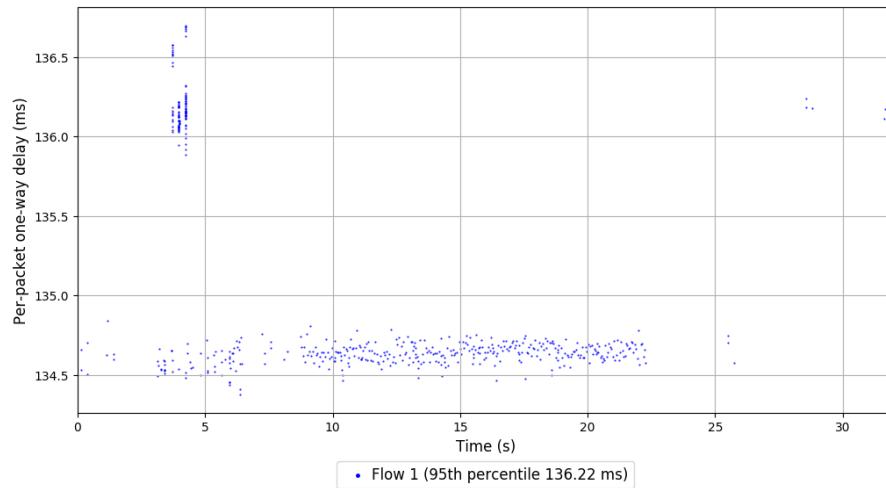
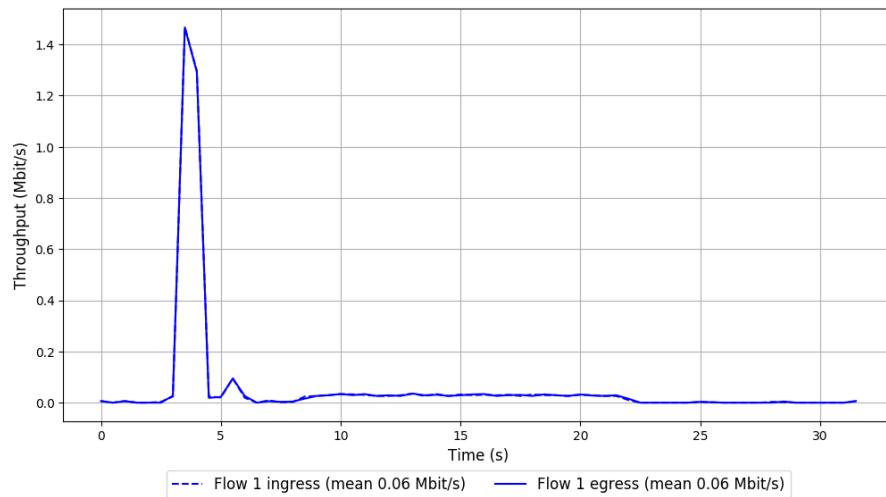
Run 5: Statistics of WebRTC media

Start at: 2018-04-10 20:43:25

End at: 2018-04-10 20:43:55

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.222 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link



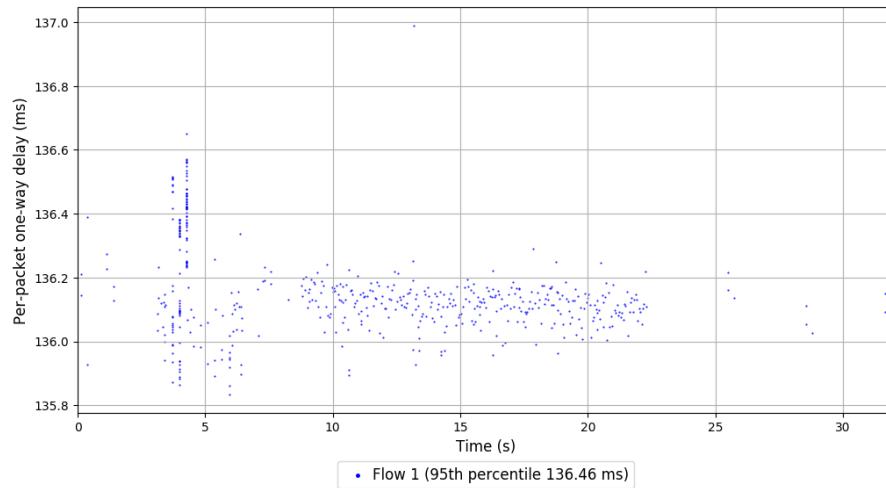
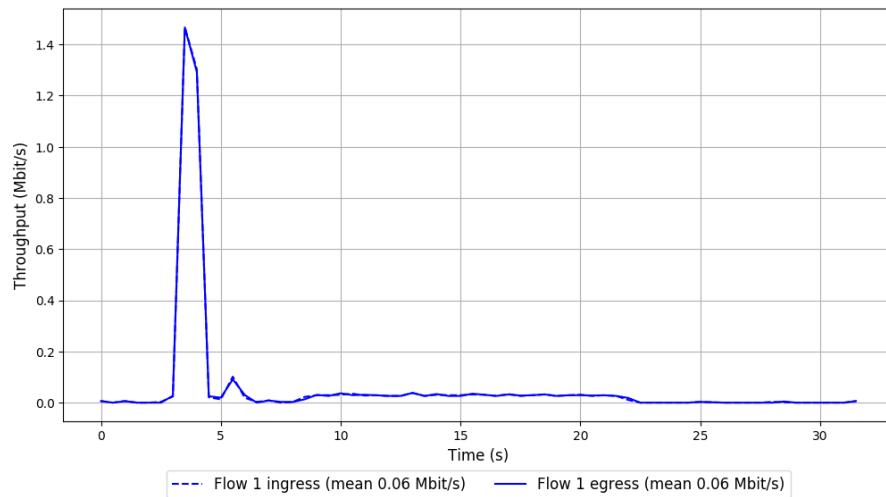
Run 6: Statistics of WebRTC media

Start at: 2018-04-10 20:58:40

End at: 2018-04-10 20:59:10

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.456 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link



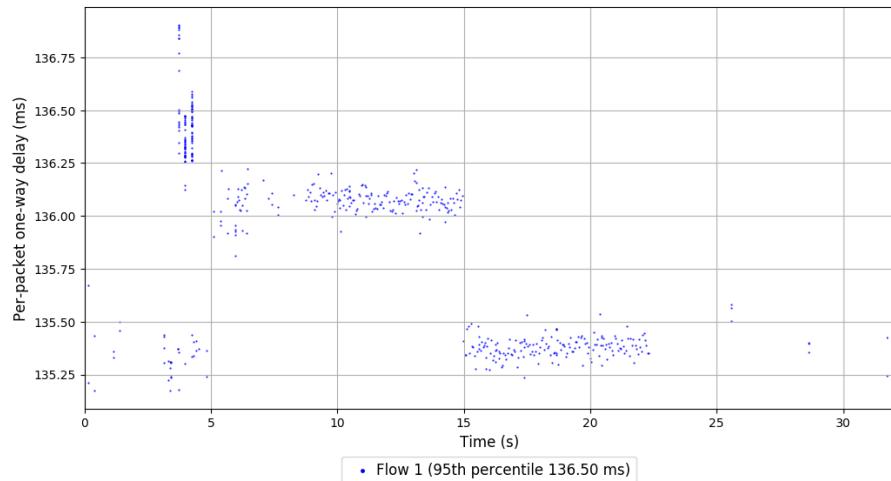
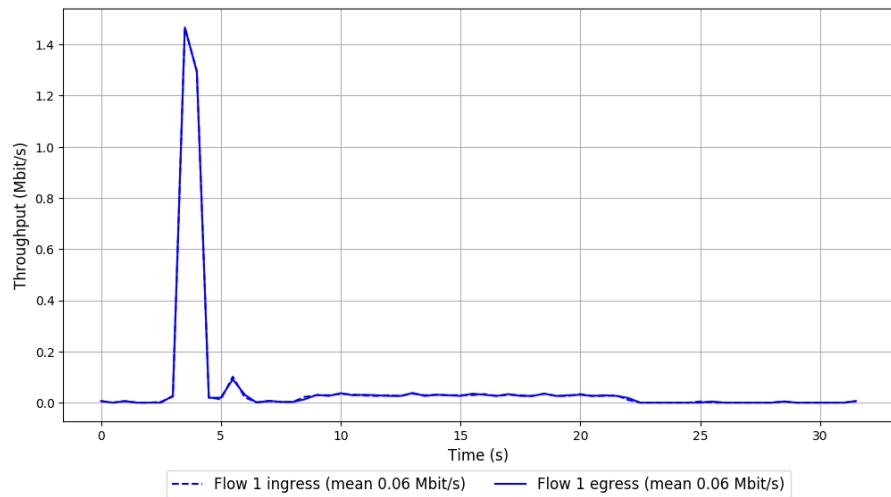
Run 7: Statistics of WebRTC media

Start at: 2018-04-10 21:14:27

End at: 2018-04-10 21:14:57

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.498 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link



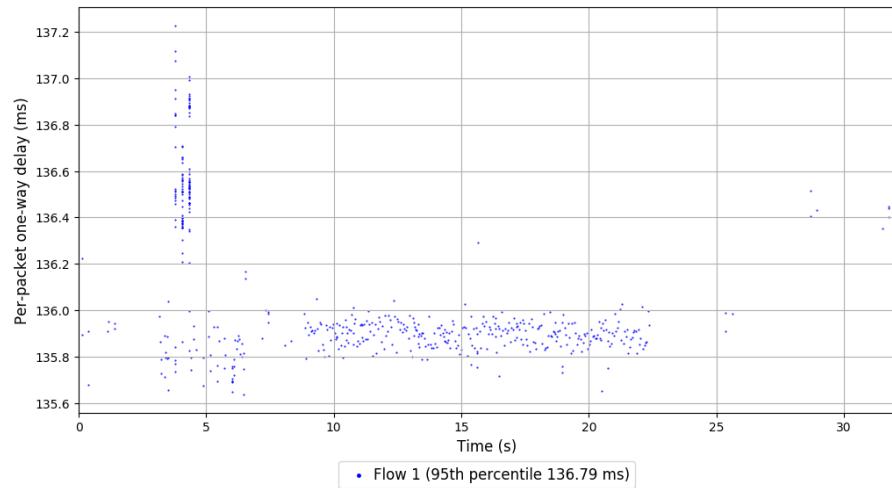
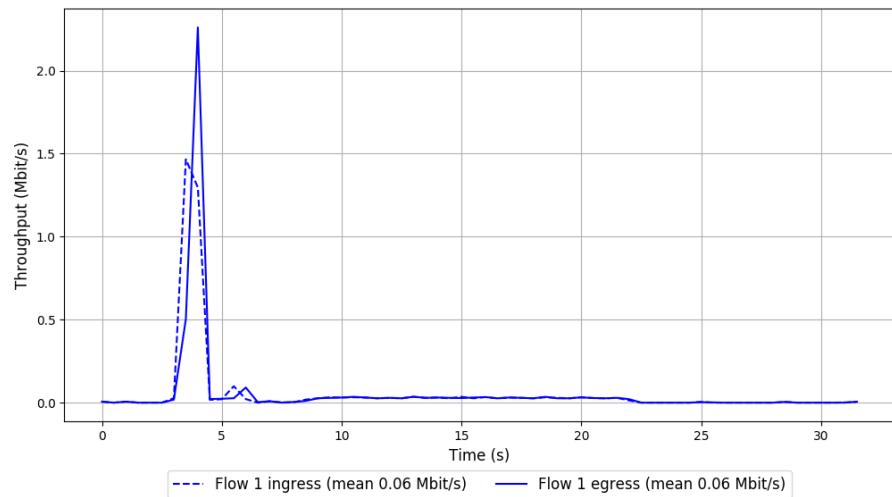
Run 8: Statistics of WebRTC media

Start at: 2018-04-10 21:30:15

End at: 2018-04-10 21:30:45

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.790 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link



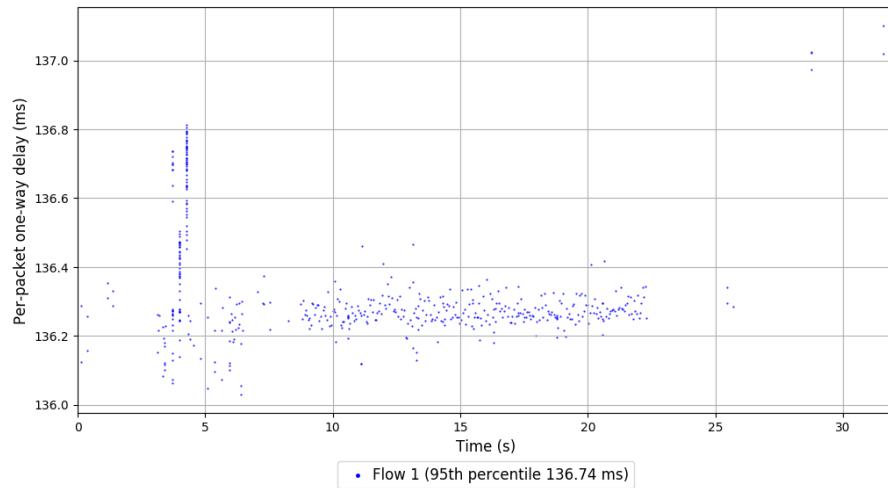
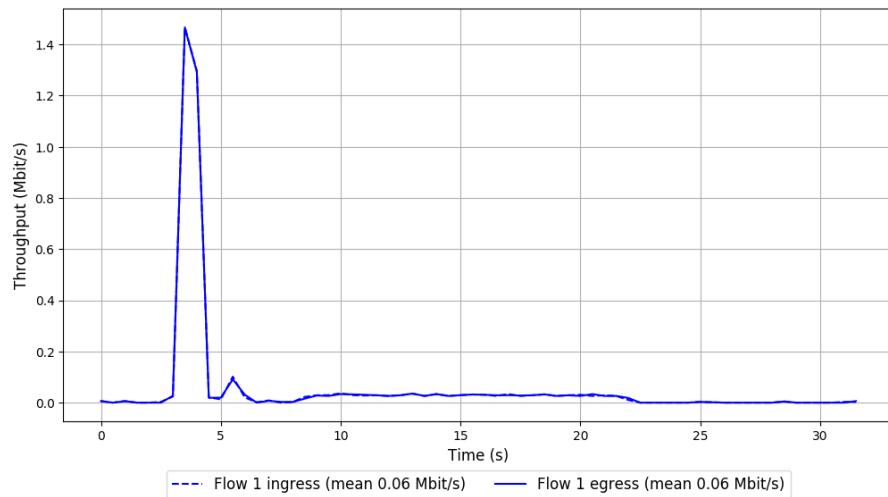
Run 9: Statistics of WebRTC media

Start at: 2018-04-10 21:45:55

End at: 2018-04-10 21:46:25

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.736 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



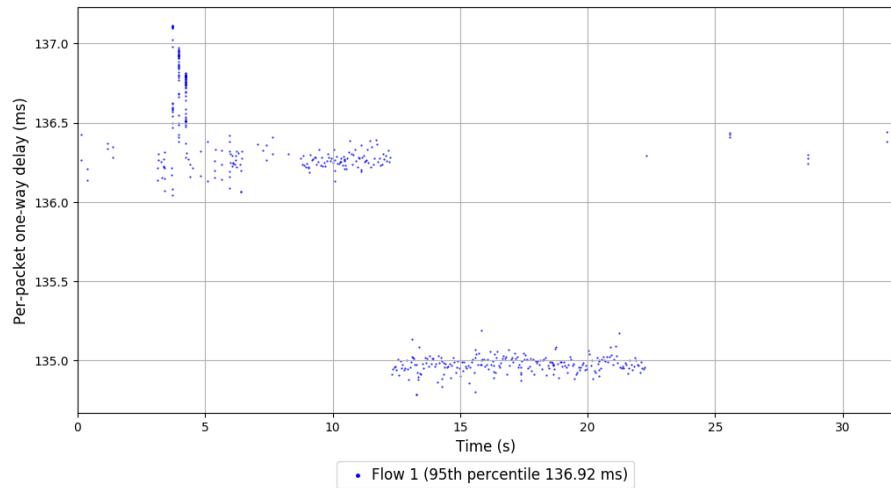
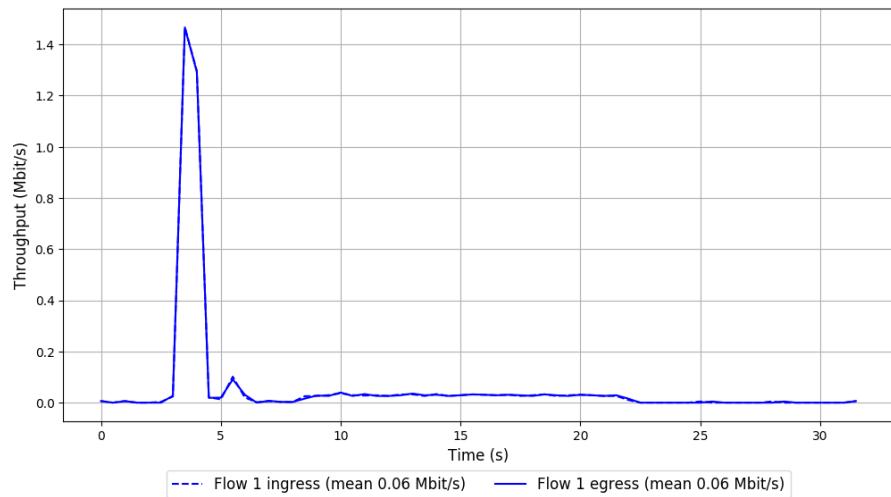
Run 10: Statistics of WebRTC media

Start at: 2018-04-10 22:01:00

End at: 2018-04-10 22:01:30

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.917 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.917 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link



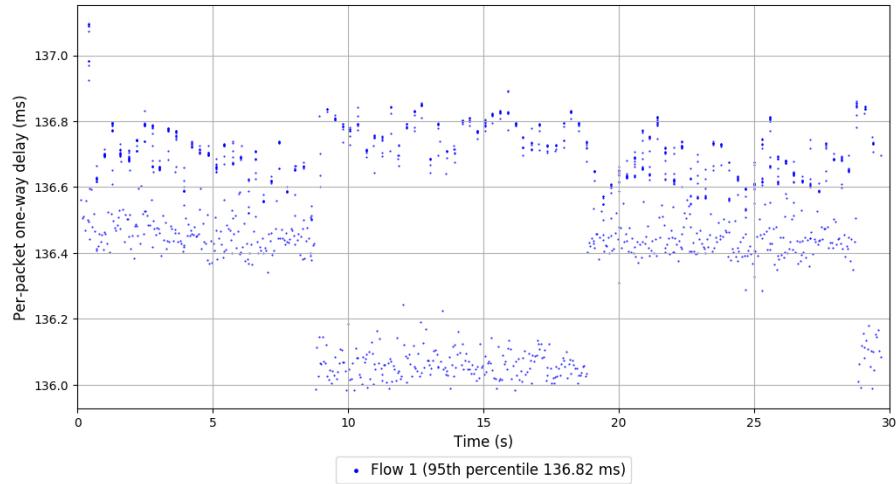
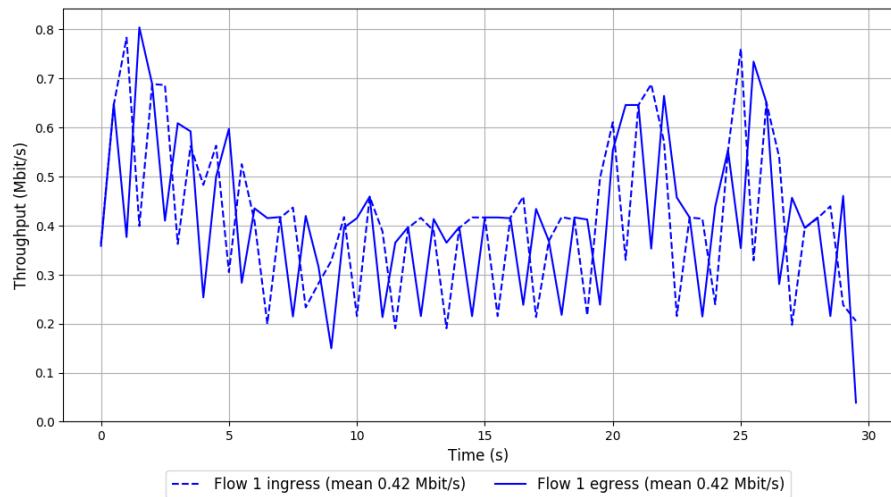
Run 1: Statistics of Sprout

Start at: 2018-04-10 19:40:11

End at: 2018-04-10 19:40:41

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 136.818 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 136.818 ms
Loss rate: 0.68%
```

Run 1: Report of Sprout — Data Link



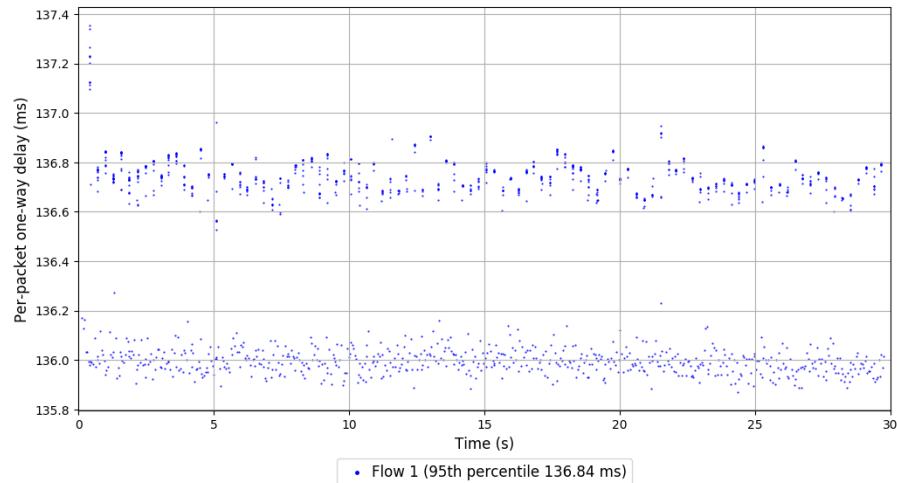
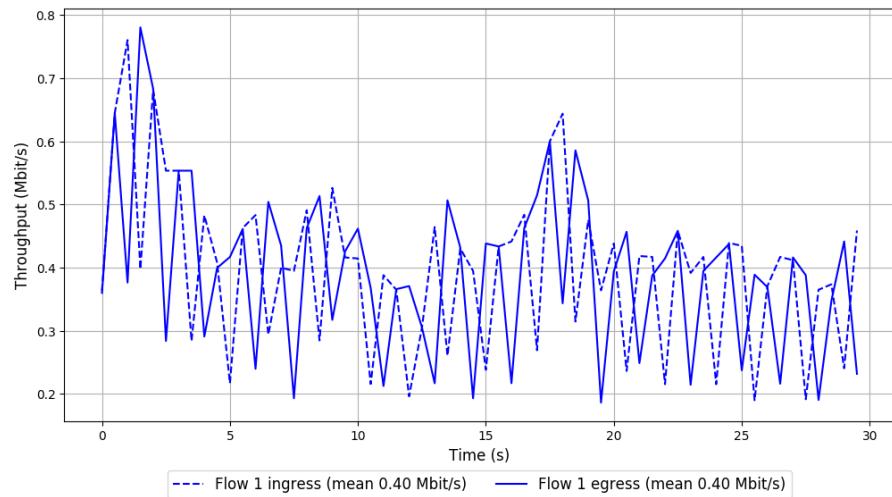
Run 2: Statistics of Sprout

Start at: 2018-04-10 19:55:30

End at: 2018-04-10 19:56:00

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 136.835 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 136.835 ms
Loss rate: 0.97%
```

Run 2: Report of Sprout — Data Link



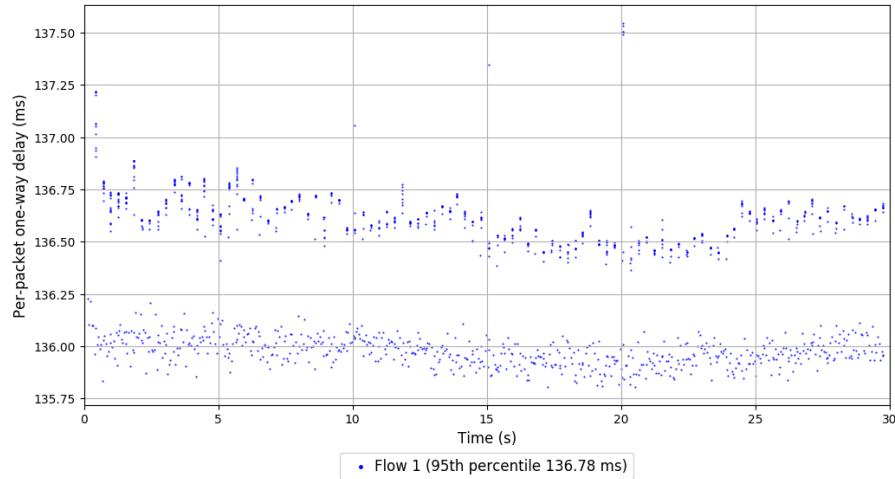
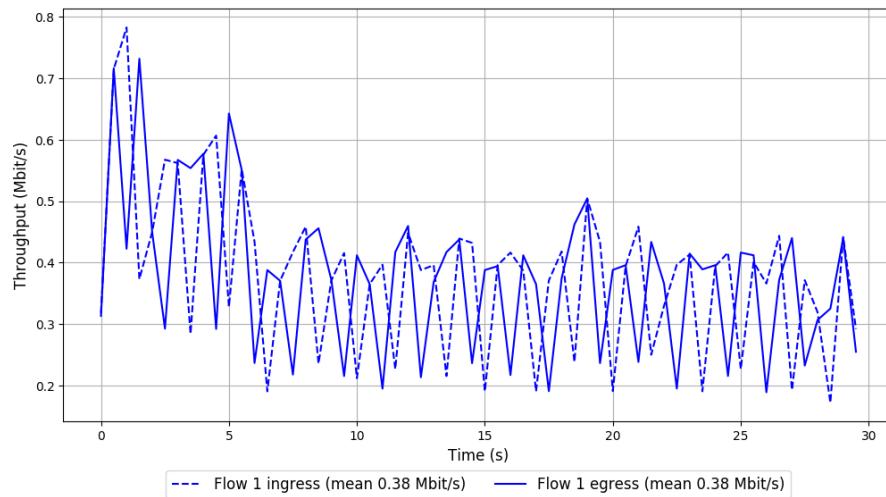
Run 3: Statistics of Sprout

Start at: 2018-04-10 20:10:55

End at: 2018-04-10 20:11:25

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 136.777 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 136.777 ms
Loss rate: 0.19%
```

Run 3: Report of Sprout — Data Link



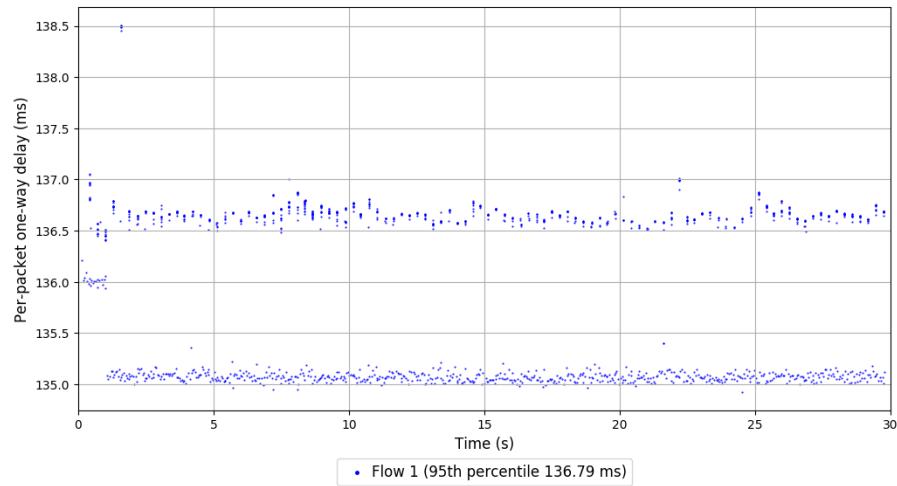
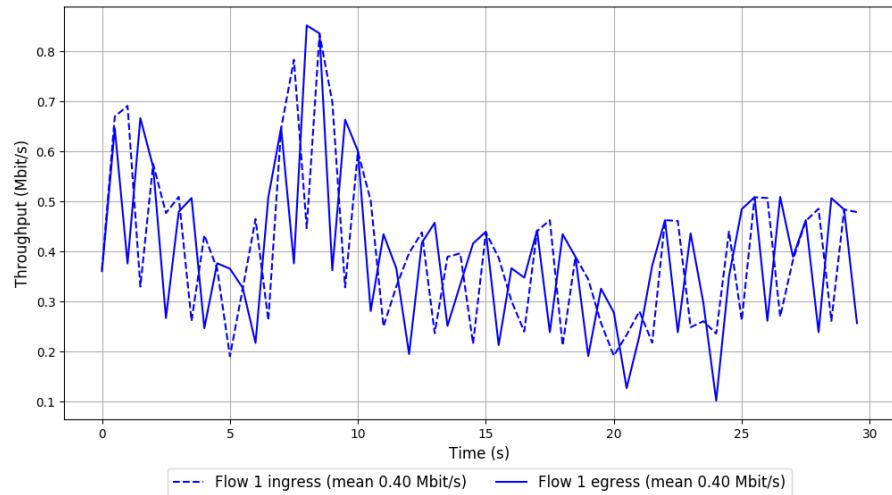
Run 4: Statistics of Sprout

Start at: 2018-04-10 20:26:08

End at: 2018-04-10 20:26:38

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 136.786 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 136.786 ms
Loss rate: 0.94%
```

Run 4: Report of Sprout — Data Link



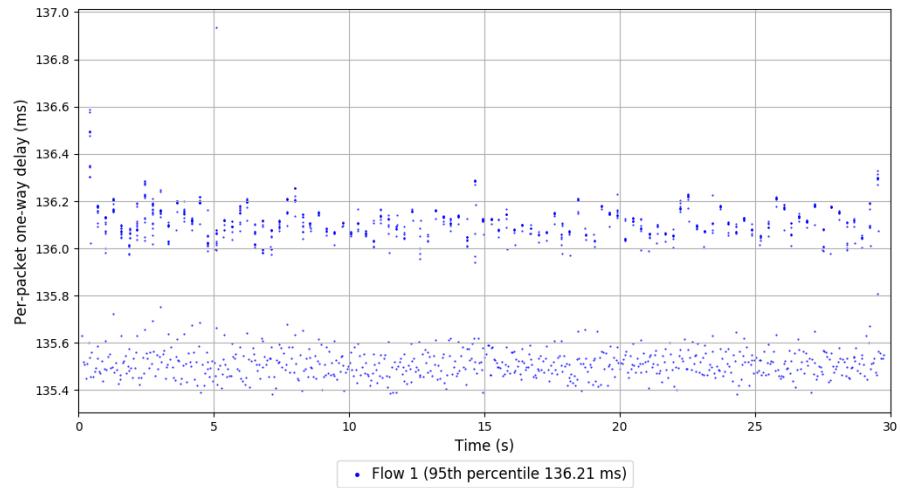
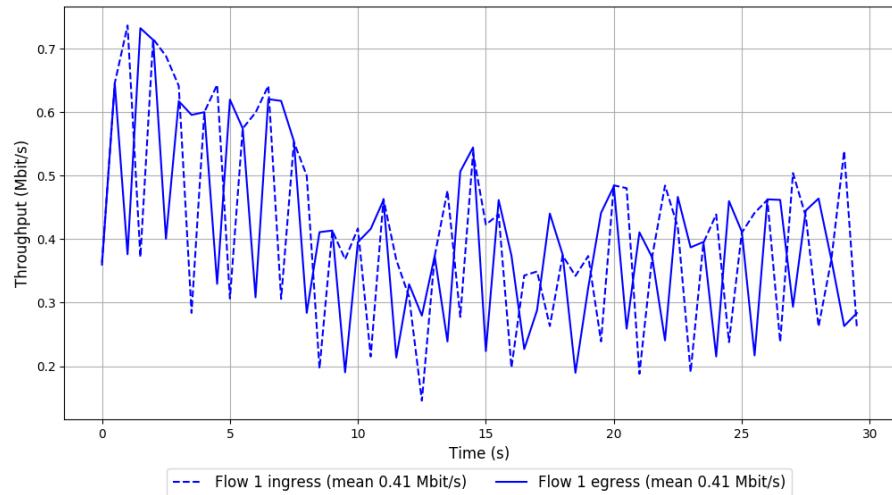
Run 5: Statistics of Sprout

Start at: 2018-04-10 20:41:31

End at: 2018-04-10 20:42:01

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 136.205 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 136.205 ms
Loss rate: 1.03%
```

Run 5: Report of Sprout — Data Link



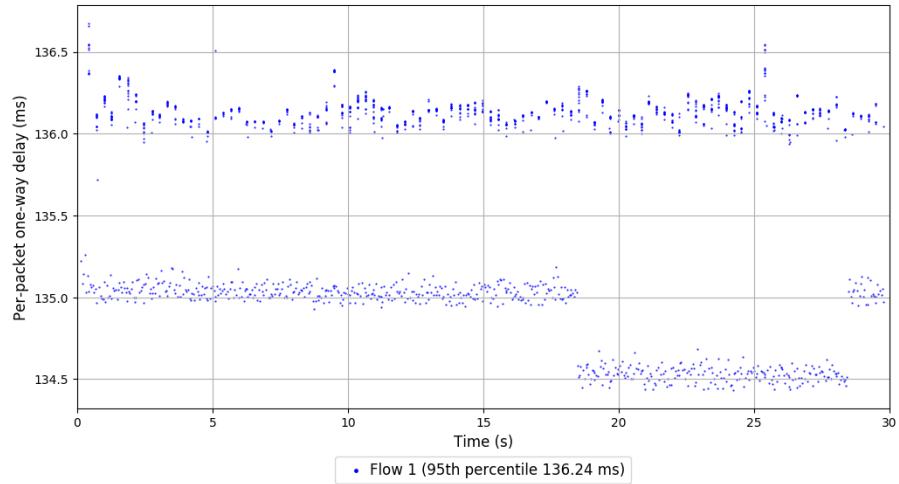
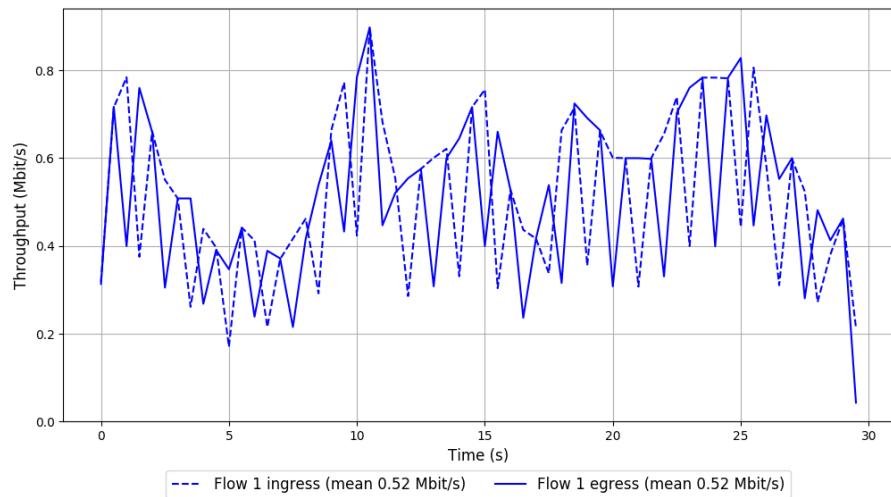
Run 6: Statistics of Sprout

Start at: 2018-04-10 20:57:11

End at: 2018-04-10 20:57:41

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 136.243 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 136.243 ms
Loss rate: 0.56%
```

Run 6: Report of Sprout — Data Link



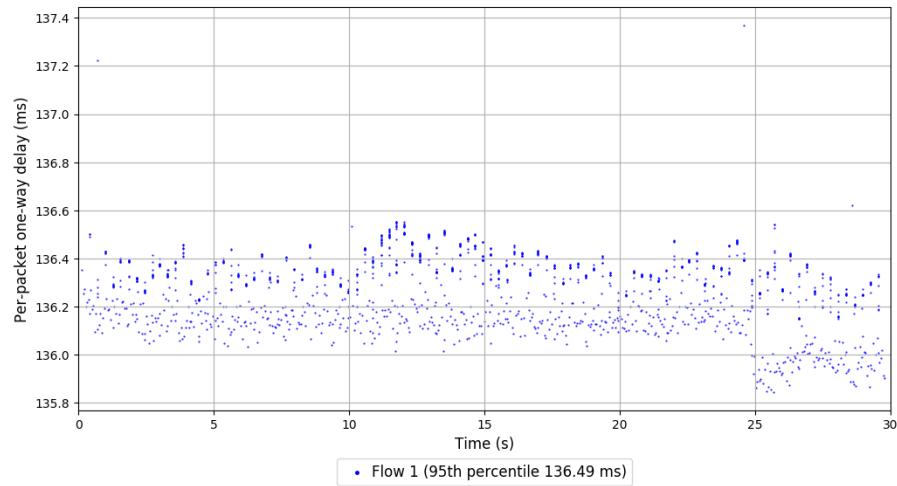
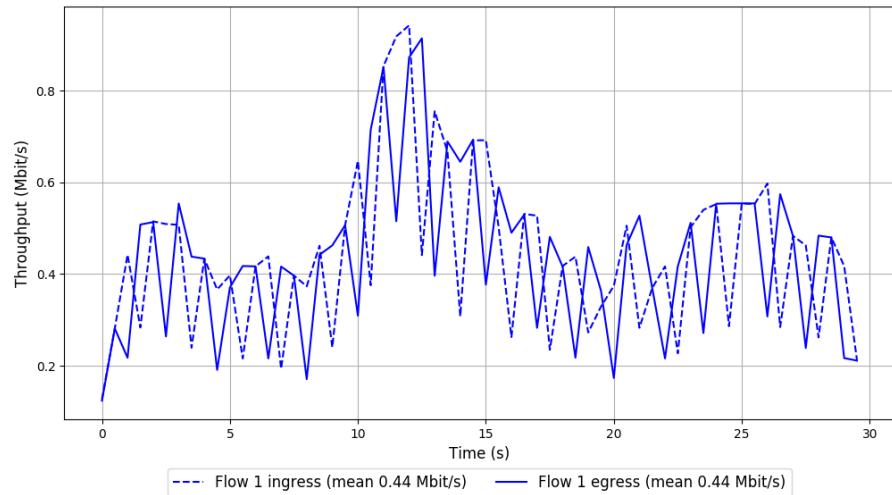
Run 7: Statistics of Sprout

Start at: 2018-04-10 21:12:35

End at: 2018-04-10 21:13:05

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.488 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.488 ms
Loss rate: 0.78%
```

Run 7: Report of Sprout — Data Link



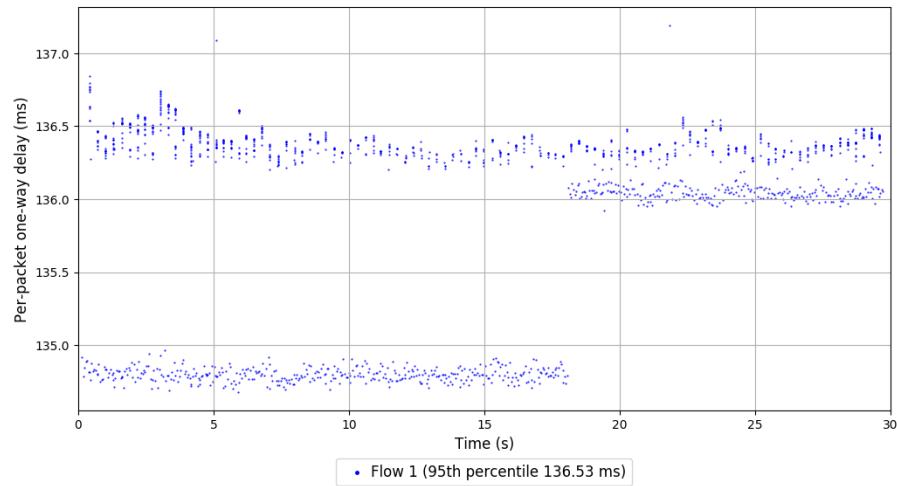
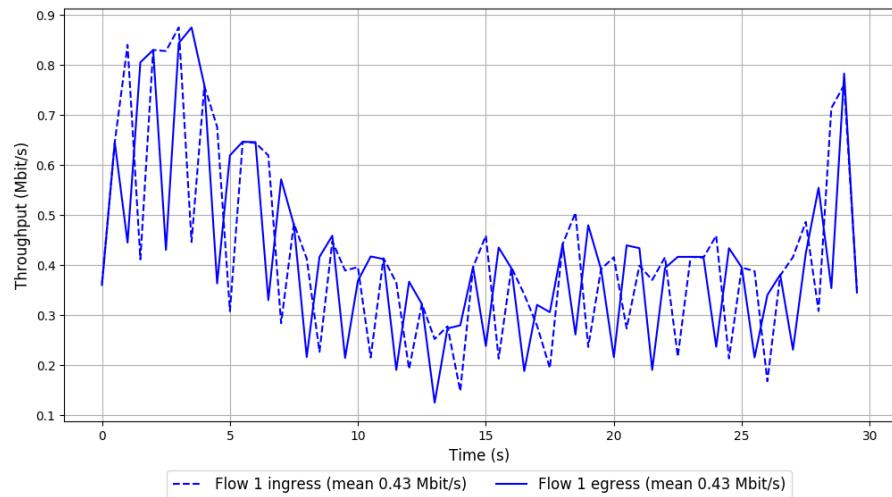
Run 8: Statistics of Sprout

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

End at: 2018-04-10 21:28:51

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 136.535 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 136.535 ms
Loss rate: 1.36%
```

Run 8: Report of Sprout — Data Link



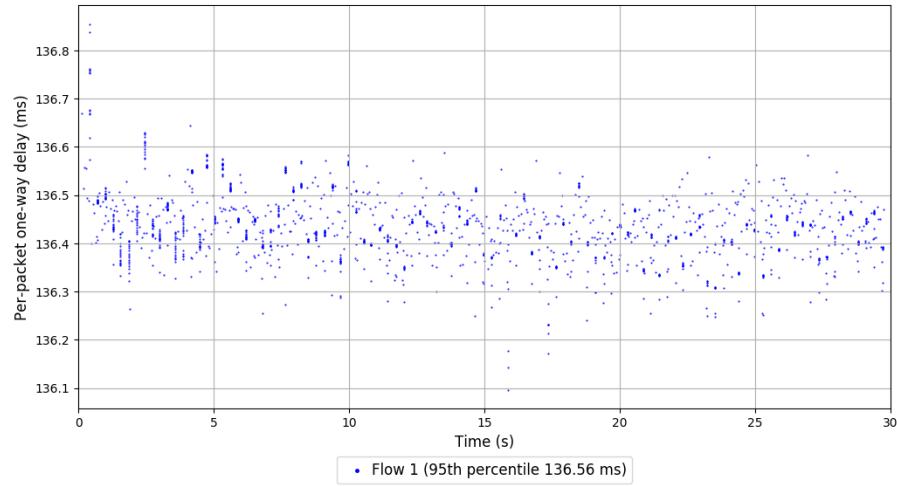
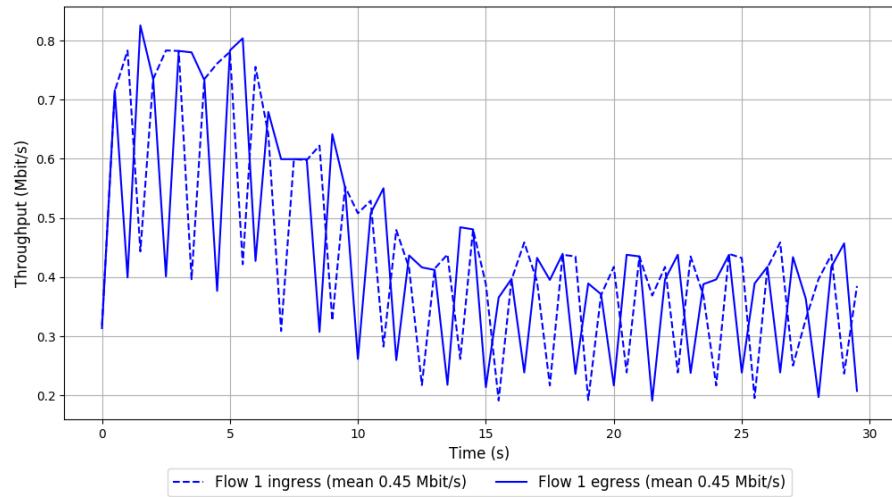
Run 9: Statistics of Sprout

Start at: 2018-04-10 21:44:02

End at: 2018-04-10 21:44:32

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 136.555 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 136.555 ms
Loss rate: 0.68%
```

Run 9: Report of Sprout — Data Link



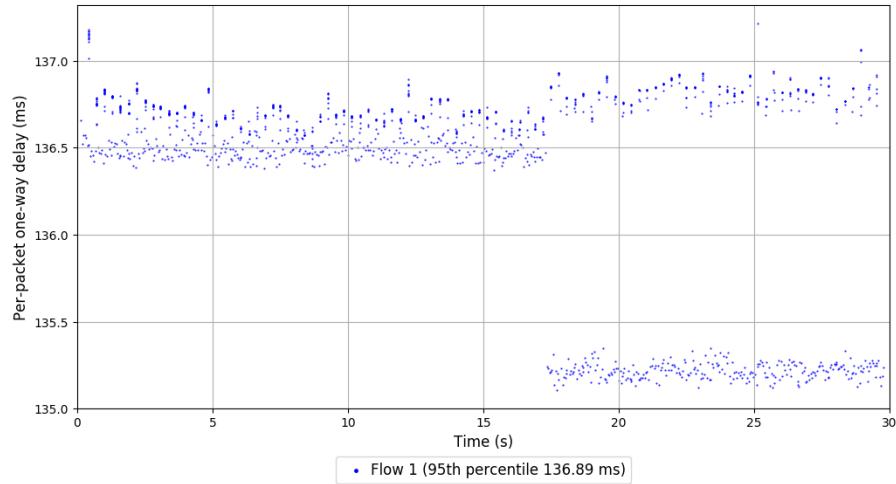
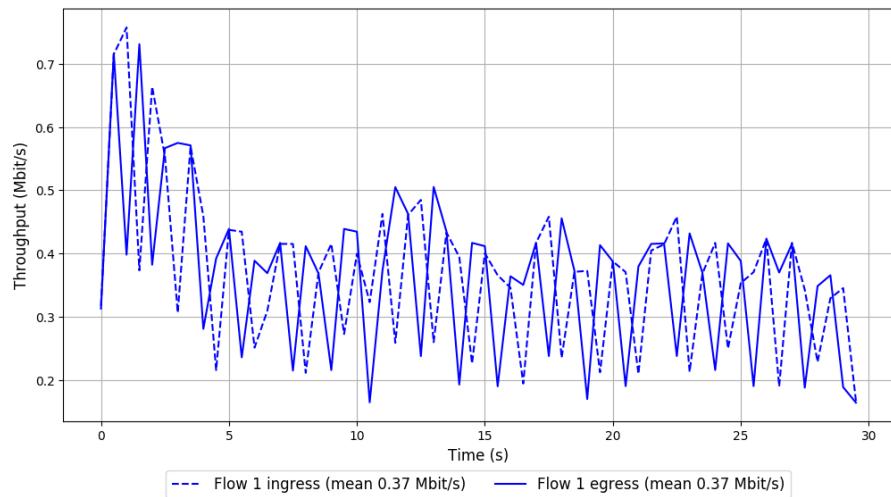
Run 10: Statistics of Sprout

Start at: 2018-04-10 21:59:32

End at: 2018-04-10 22:00:02

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 136.889 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 136.889 ms
Loss rate: 0.73%
```

Run 10: Report of Sprout — Data Link



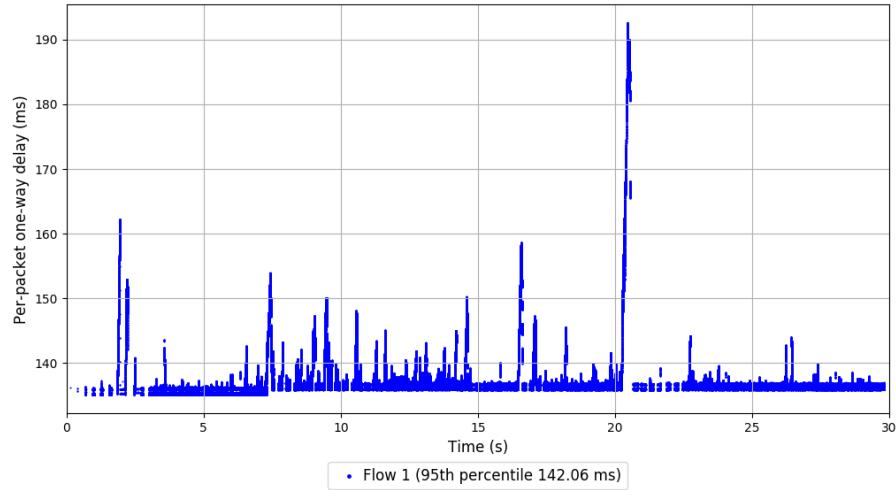
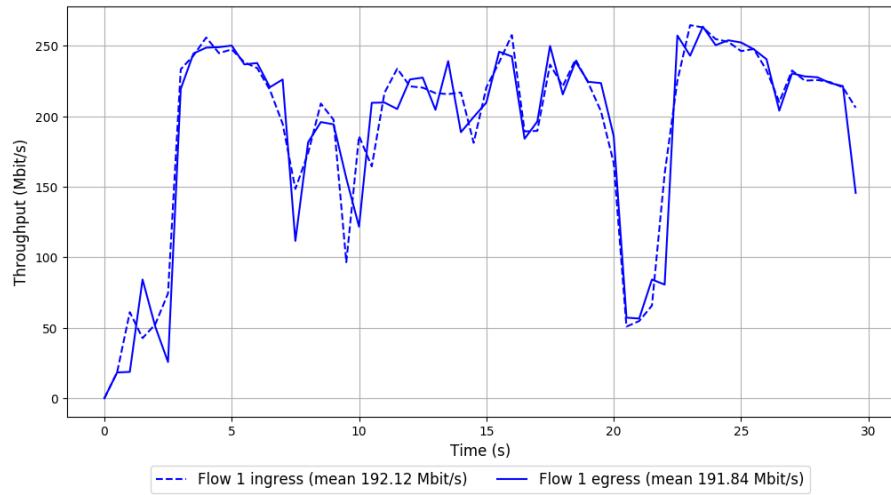
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-10 19:43:02

End at: 2018-04-10 19:43:32

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.84 Mbit/s
95th percentile per-packet one-way delay: 142.056 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 191.84 Mbit/s
95th percentile per-packet one-way delay: 142.056 ms
Loss rate: 1.05%
```

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



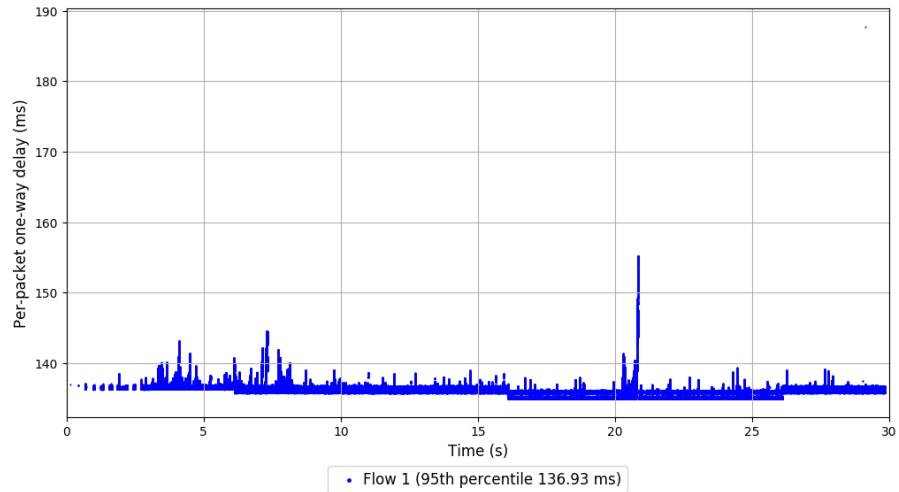
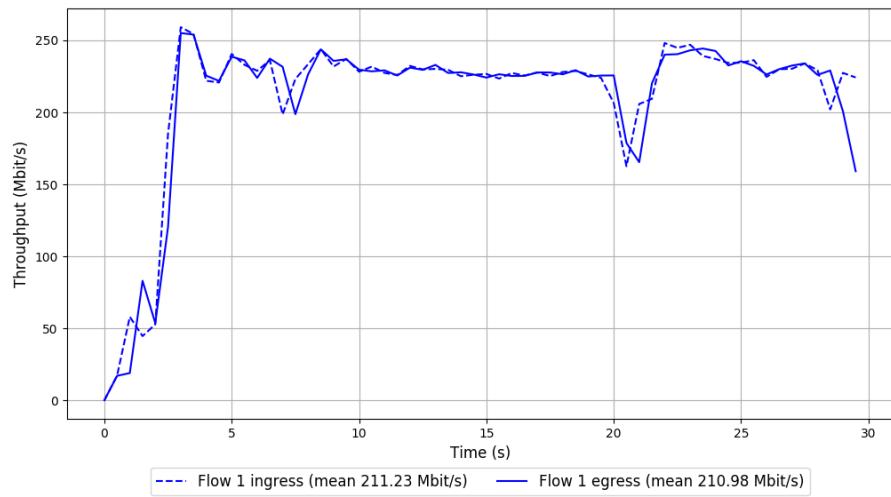
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-10 19:58:23

End at: 2018-04-10 19:58:53

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.98 Mbit/s
95th percentile per-packet one-way delay: 136.928 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 210.98 Mbit/s
95th percentile per-packet one-way delay: 136.928 ms
Loss rate: 1.02%
```

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



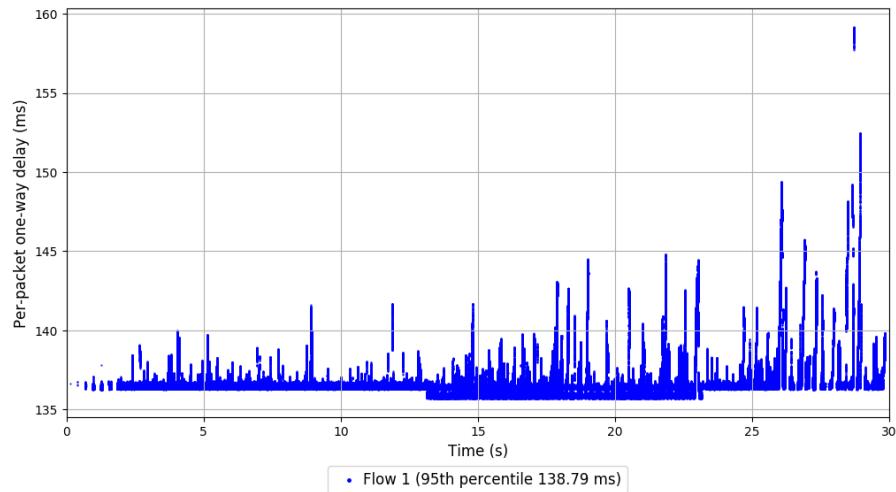
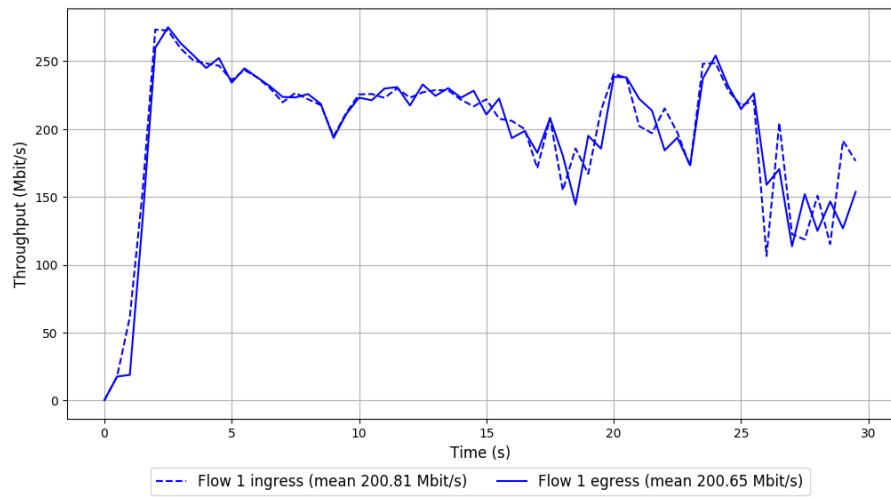
Run 3: Statistics of TaoVA-100x

Start at: 2018-04-10 20:13:46

End at: 2018-04-10 20:14:16

```
# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.65 Mbit/s
95th percentile per-packet one-way delay: 138.786 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 200.65 Mbit/s
95th percentile per-packet one-way delay: 138.786 ms
Loss rate: 0.84%
```

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



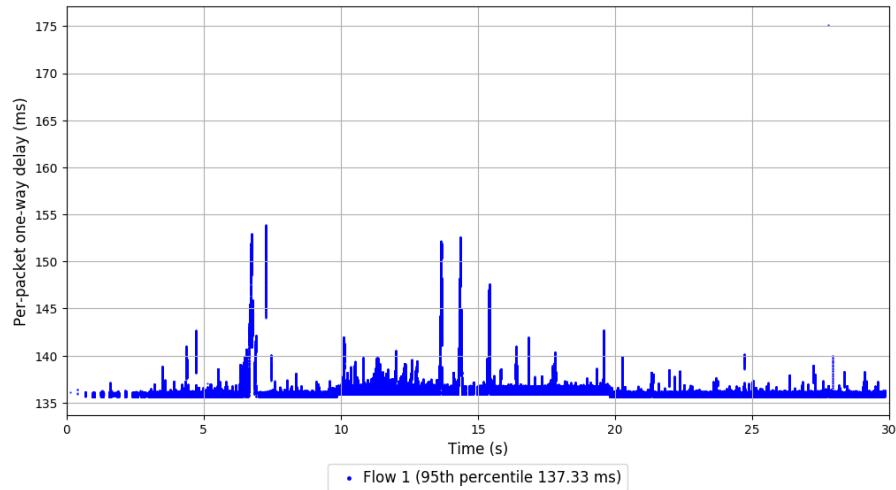
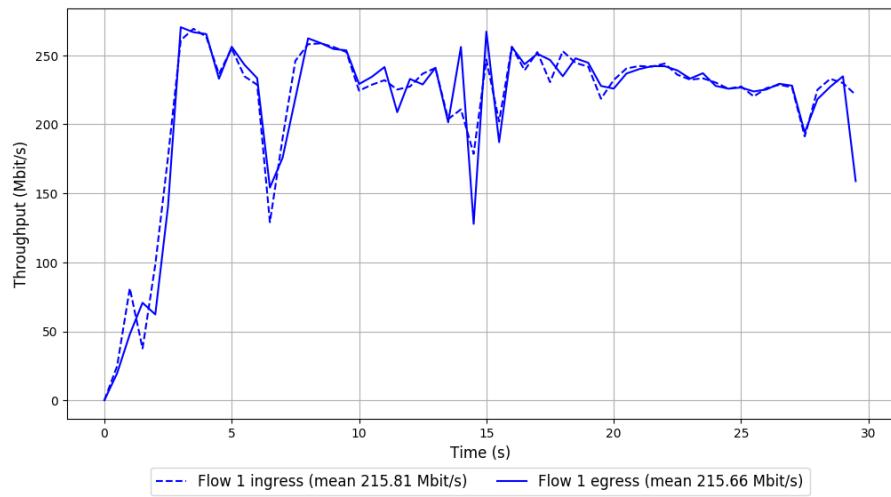
Run 4: Statistics of TaoVA-100x

Start at: 2018-04-10 20:29:00

End at: 2018-04-10 20:29:30

```
# Below is generated by plot.py at 2018-04-11 01:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.66 Mbit/s
95th percentile per-packet one-way delay: 137.333 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 215.66 Mbit/s
95th percentile per-packet one-way delay: 137.333 ms
Loss rate: 0.98%
```

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



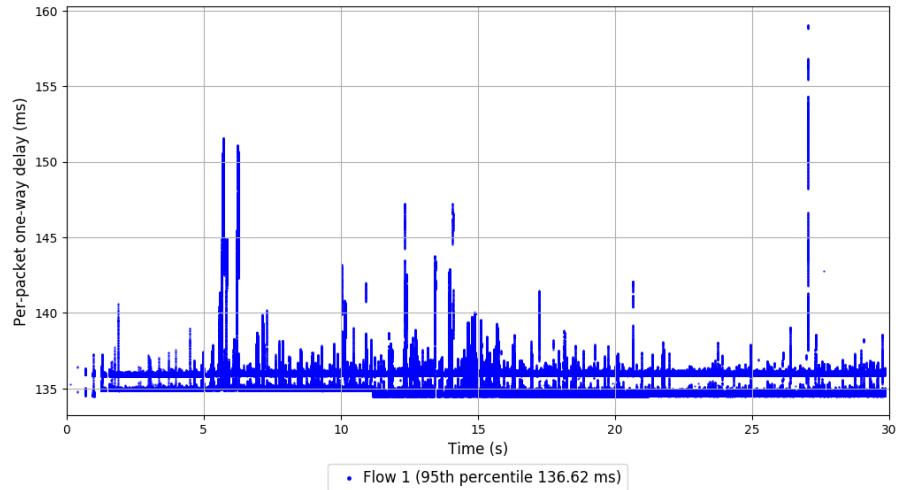
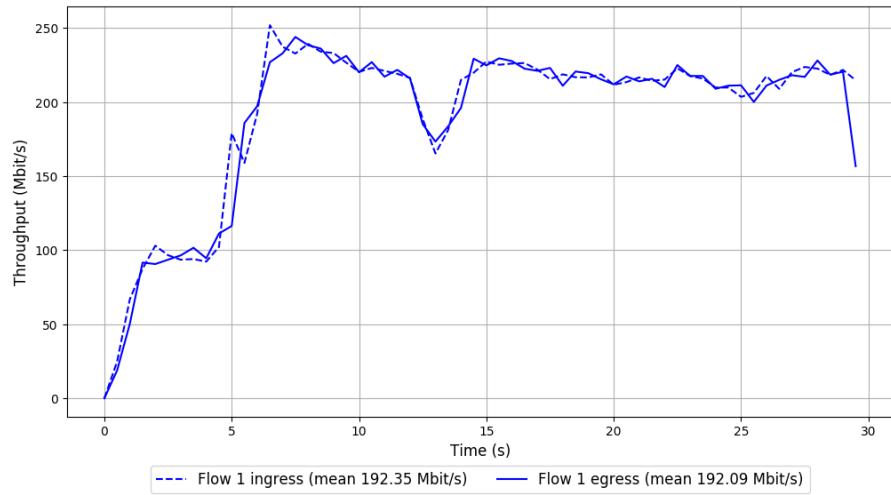
Run 5: Statistics of TaoVA-100x

Start at: 2018-04-10 20:44:48

End at: 2018-04-10 20:45:18

```
# Below is generated by plot.py at 2018-04-11 01:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.09 Mbit/s
95th percentile per-packet one-way delay: 136.619 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 192.09 Mbit/s
95th percentile per-packet one-way delay: 136.619 ms
Loss rate: 1.03%
```

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



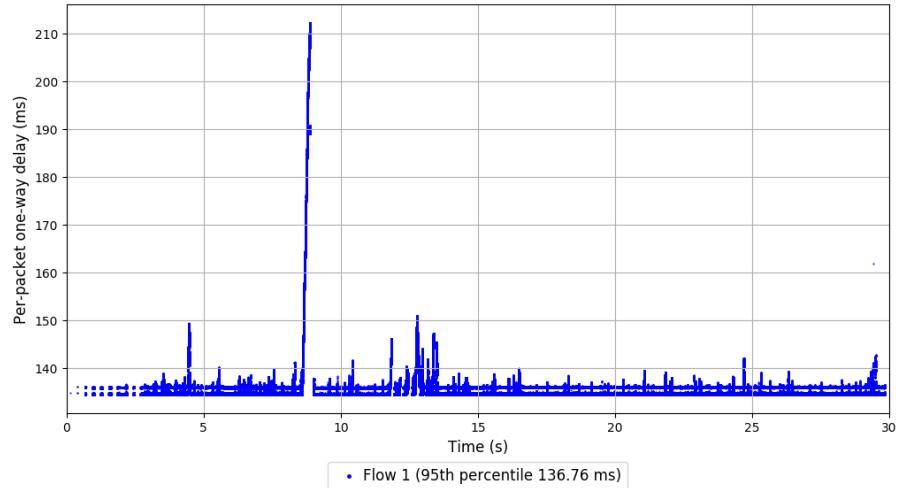
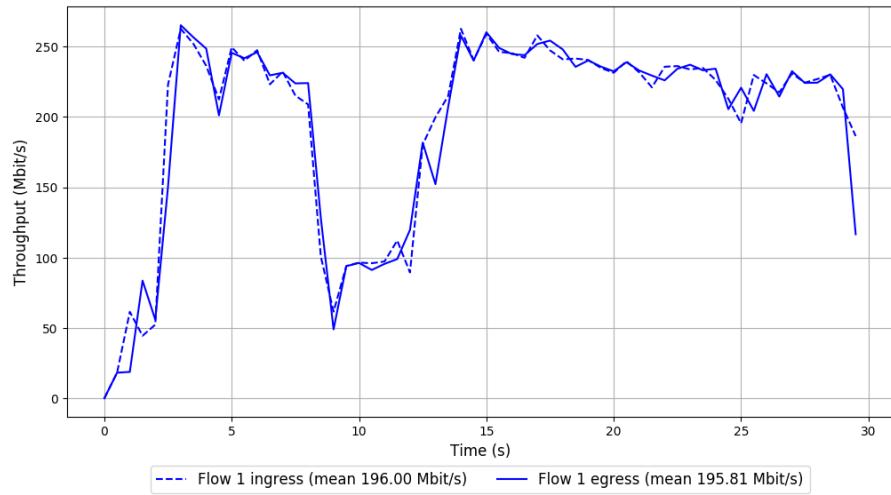
Run 6: Statistics of TaoVA-100x

Start at: 2018-04-10 21:00:04

End at: 2018-04-10 21:00:34

```
# Below is generated by plot.py at 2018-04-11 01:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.81 Mbit/s
95th percentile per-packet one-way delay: 136.757 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 195.81 Mbit/s
95th percentile per-packet one-way delay: 136.757 ms
Loss rate: 1.01%
```

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



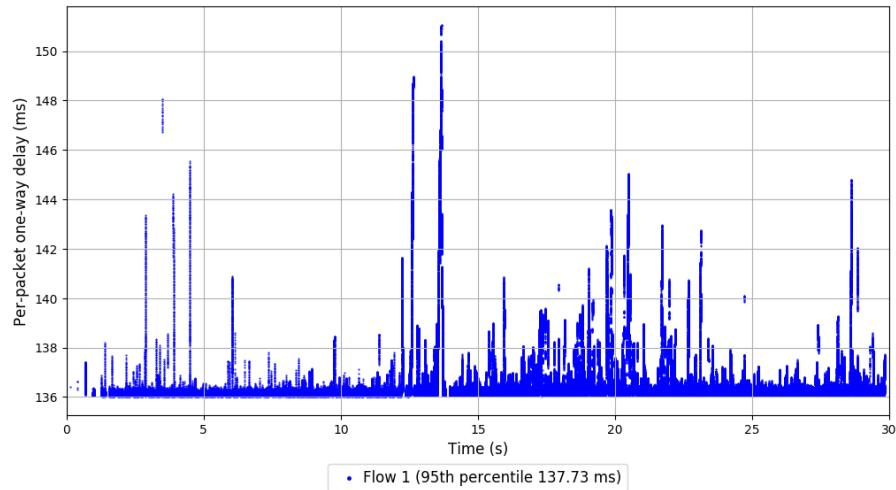
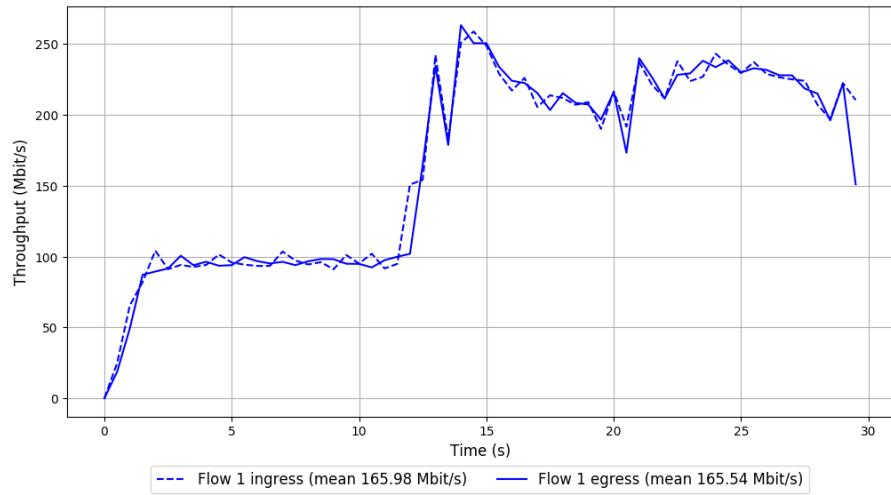
Run 7: Statistics of TaoVA-100x

Start at: 2018-04-10 21:15:51

End at: 2018-04-10 21:16:21

```
# Below is generated by plot.py at 2018-04-11 01:16:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 165.54 Mbit/s
95th percentile per-packet one-way delay: 137.726 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 165.54 Mbit/s
95th percentile per-packet one-way delay: 137.726 ms
Loss rate: 1.17%
```

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



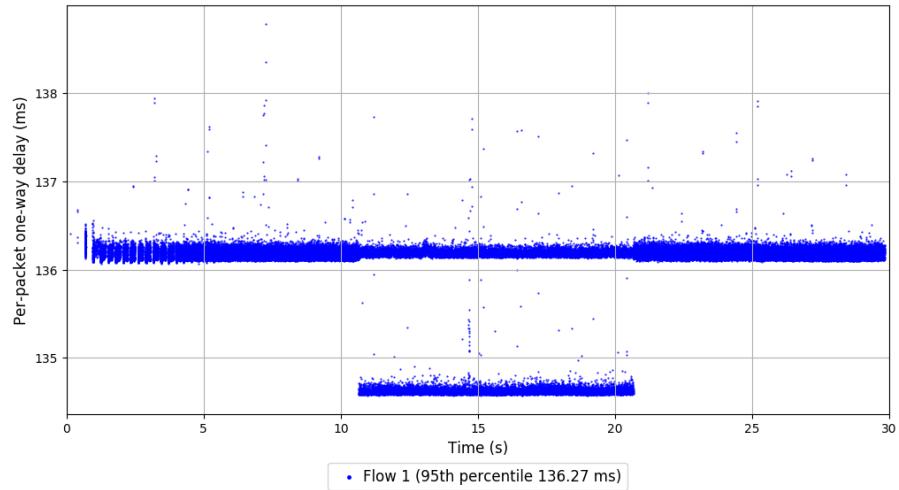
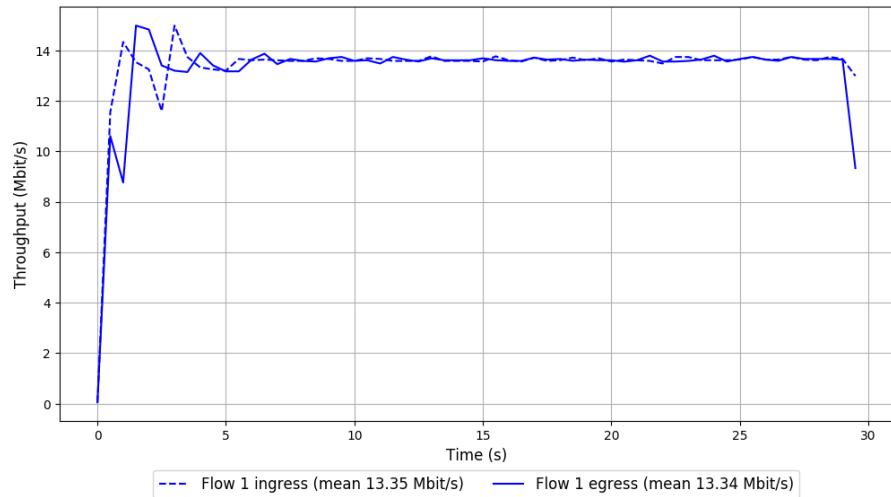
Run 8: Statistics of TaoVA-100x

Start at: 2018-04-10 21:31:39

End at: 2018-04-10 21:32:09

```
# Below is generated by plot.py at 2018-04-11 01:16:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 136.273 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 136.273 ms
Loss rate: 0.93%
```

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



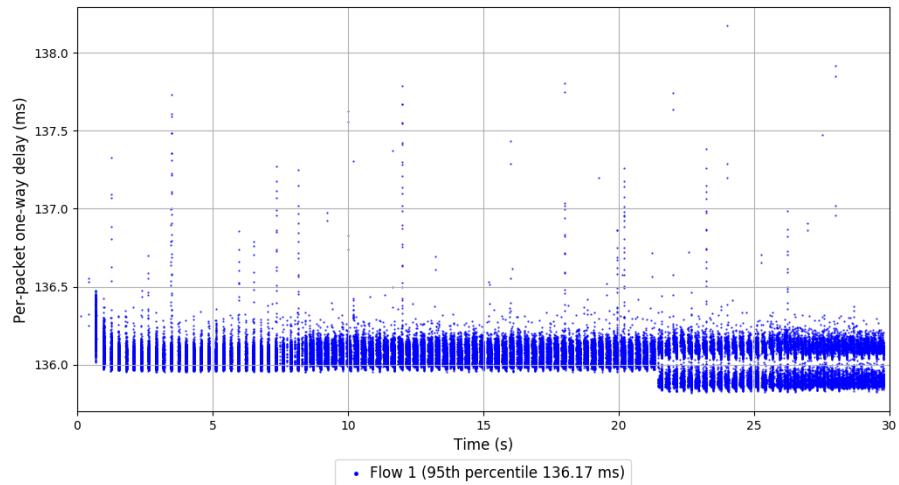
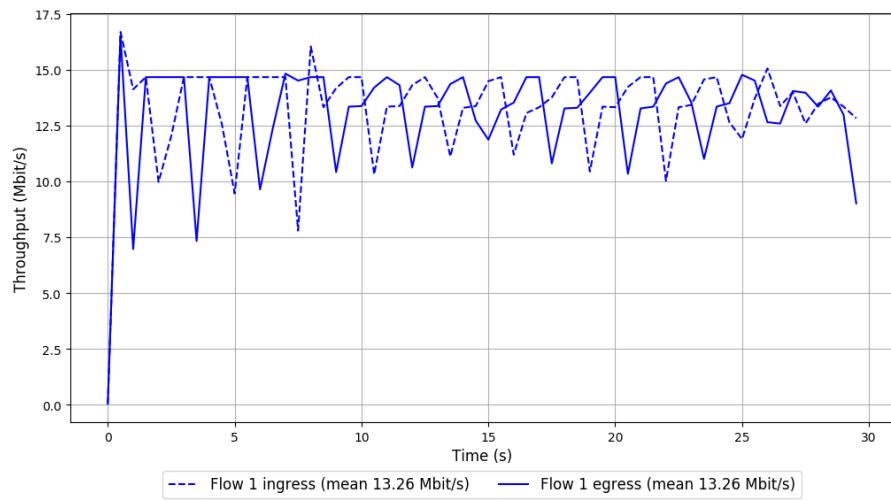
Run 9: Statistics of TaoVA-100x

Start at: 2018-04-10 21:47:18

End at: 2018-04-10 21:47:48

```
# Below is generated by plot.py at 2018-04-11 01:16:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: 136.168 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: 136.168 ms
Loss rate: 0.92%
```

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



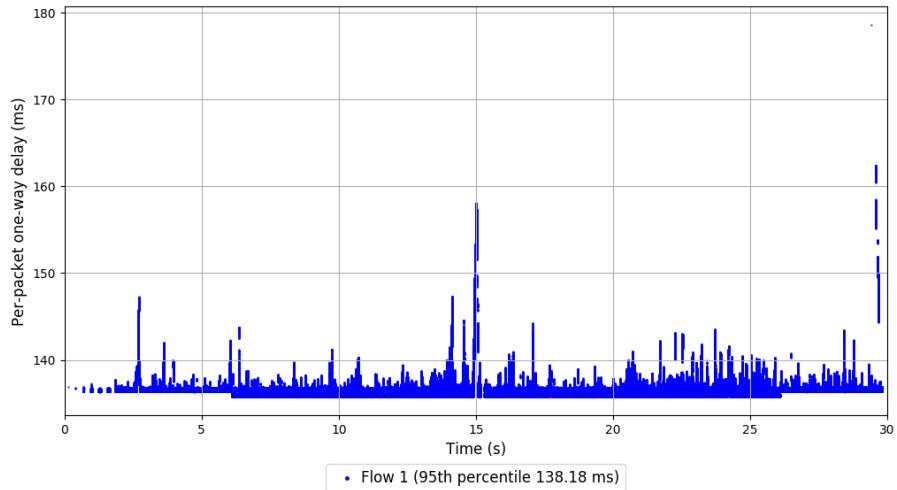
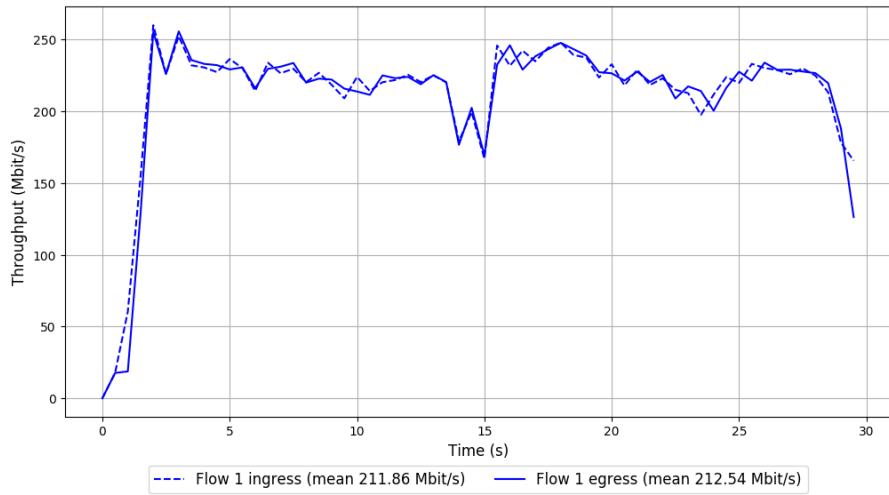
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-10 22:02:23

End at: 2018-04-10 22:02:53

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.54 Mbit/s
95th percentile per-packet one-way delay: 138.184 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 212.54 Mbit/s
95th percentile per-packet one-way delay: 138.184 ms
Loss rate: 0.65%
```

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



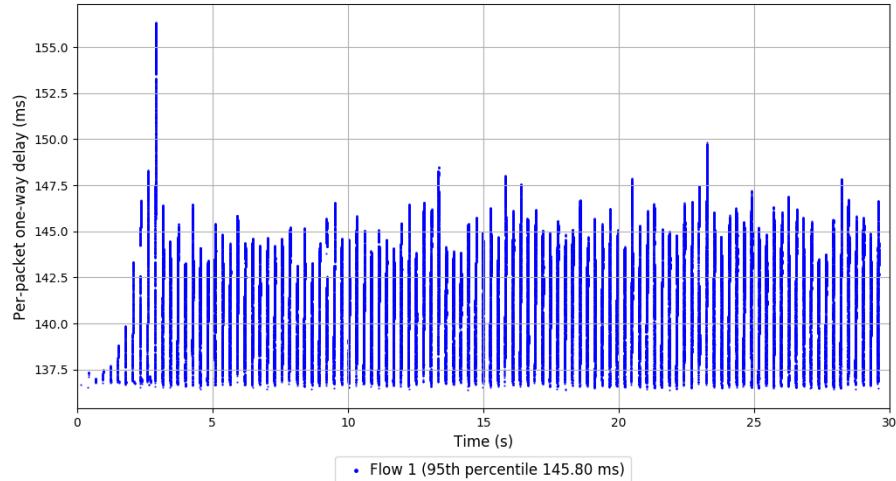
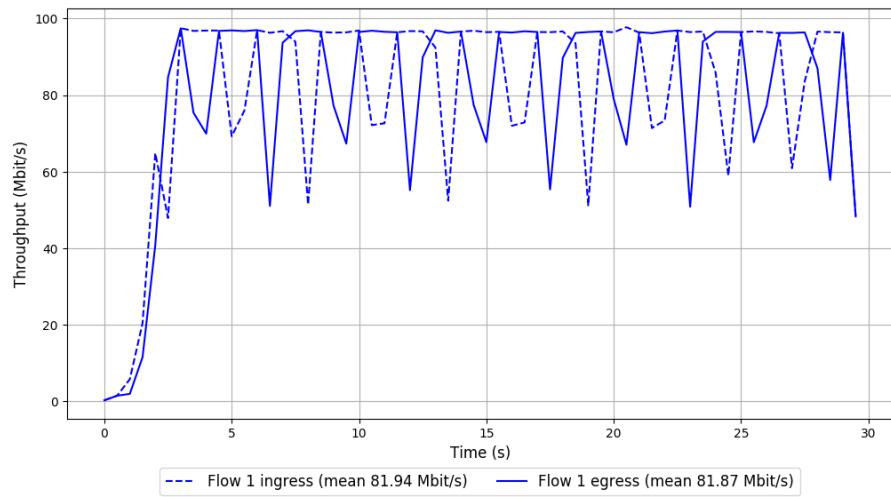
Run 1: Statistics of TCP Vegas

Start at: 2018-04-10 19:37:11

End at: 2018-04-10 19:37:41

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.87 Mbit/s
95th percentile per-packet one-way delay: 145.804 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 81.87 Mbit/s
95th percentile per-packet one-way delay: 145.804 ms
Loss rate: 0.99%
```

Run 1: Report of TCP Vegas — Data Link



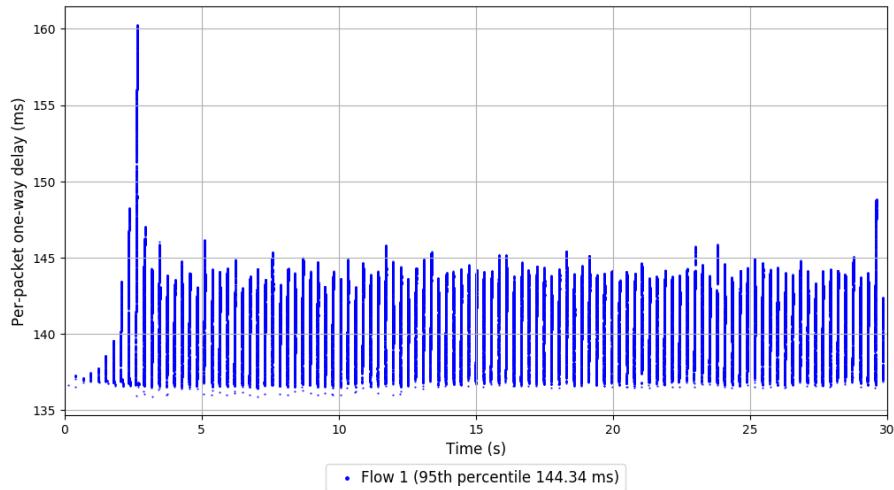
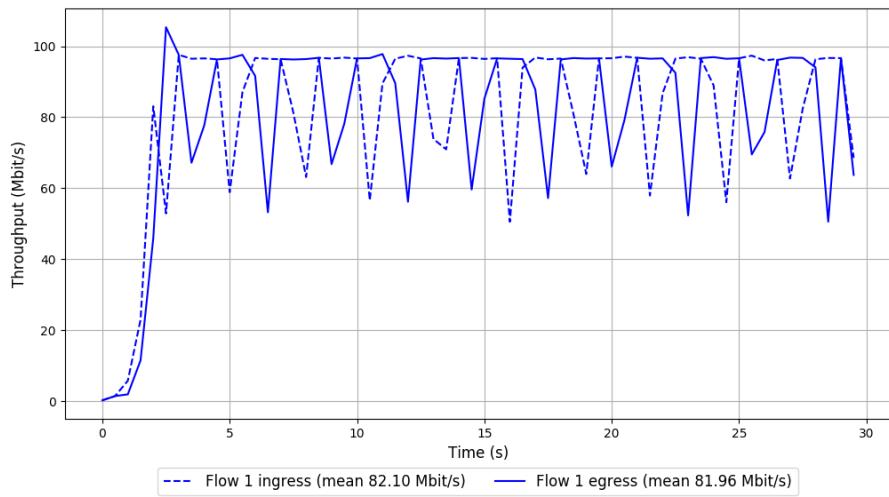
Run 2: Statistics of TCP Vegas

Start at: 2018-04-10 19:52:27

End at: 2018-04-10 19:52:57

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.96 Mbit/s
95th percentile per-packet one-way delay: 144.344 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 81.96 Mbit/s
95th percentile per-packet one-way delay: 144.344 ms
Loss rate: 1.08%
```

Run 2: Report of TCP Vegas — Data Link



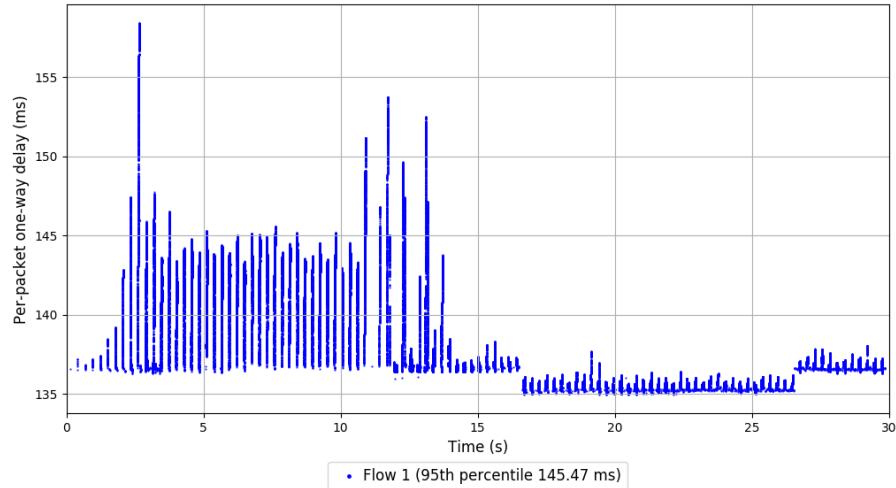
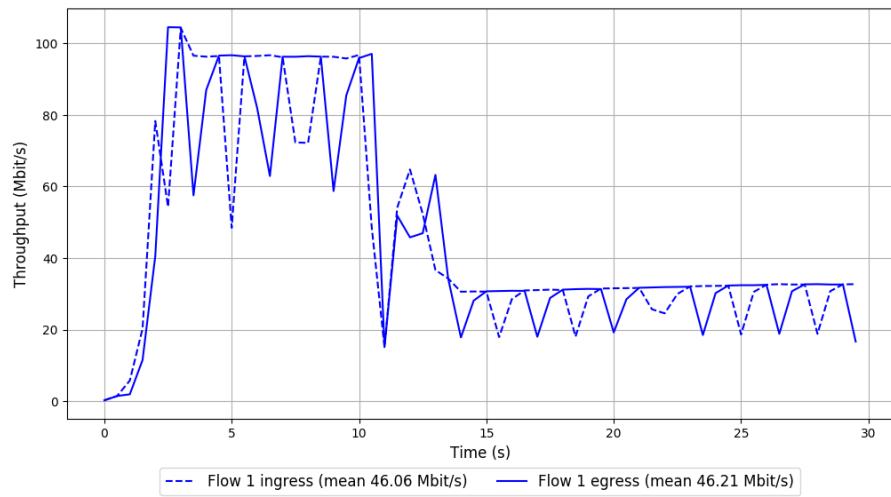
Run 3: Statistics of TCP Vegas

Start at: 2018-04-10 20:07:53

End at: 2018-04-10 20:08:23

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 145.475 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 145.475 ms
Loss rate: 0.59%
```

Run 3: Report of TCP Vegas — Data Link



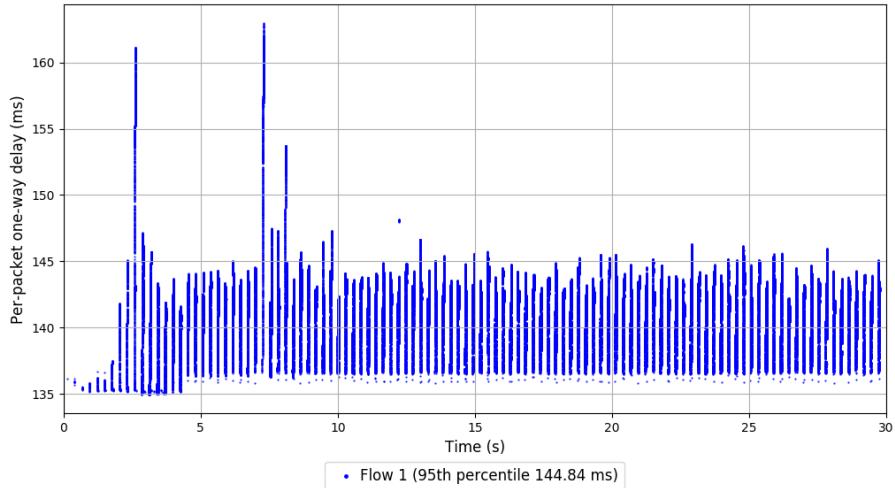
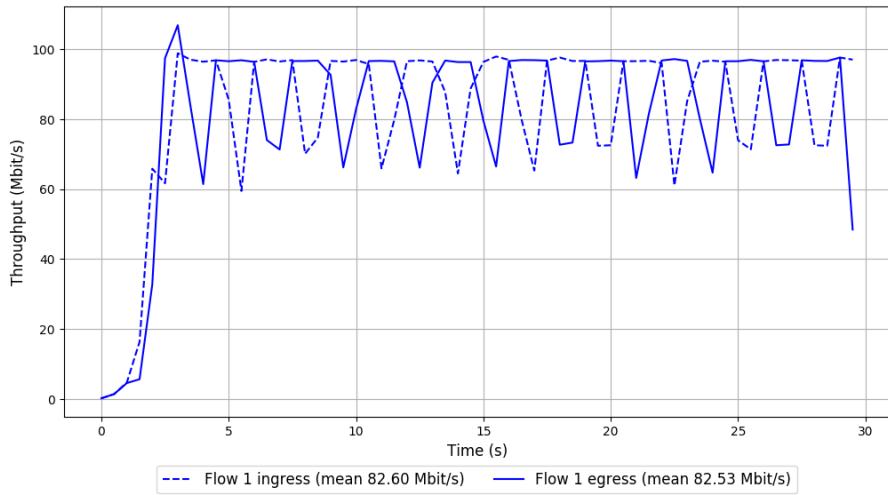
Run 4: Statistics of TCP Vegas

Start at: 2018-04-10 20:23:05

End at: 2018-04-10 20:23:35

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.53 Mbit/s
95th percentile per-packet one-way delay: 144.836 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 82.53 Mbit/s
95th percentile per-packet one-way delay: 144.836 ms
Loss rate: 0.98%
```

Run 4: Report of TCP Vegas — Data Link



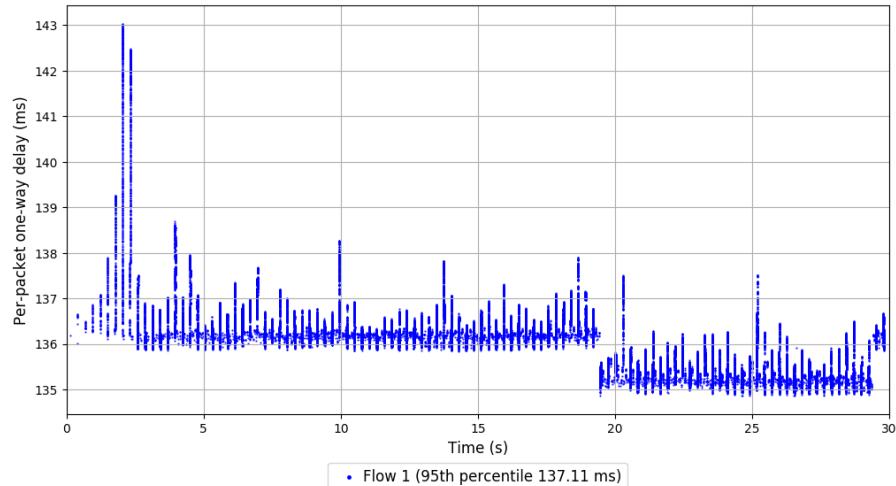
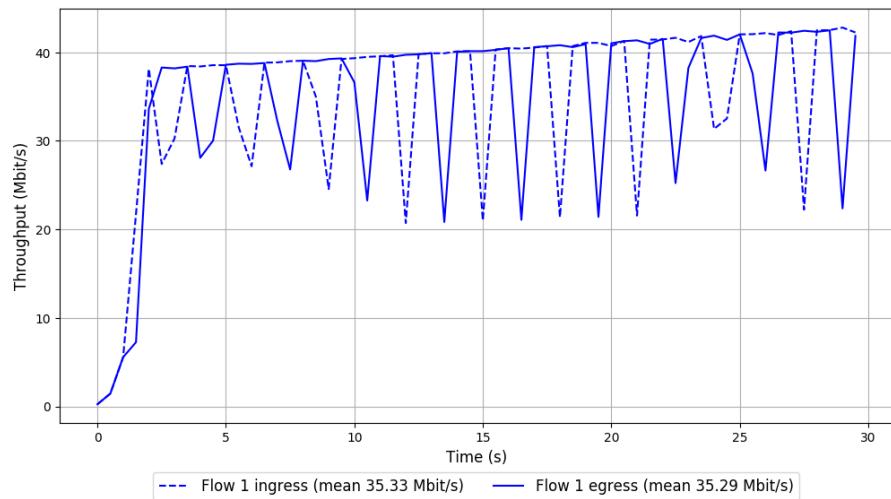
Run 5: Statistics of TCP Vegas

Start at: 2018-04-10 20:38:30

End at: 2018-04-10 20:39:00

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 137.113 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 137.113 ms
Loss rate: 1.01%
```

Run 5: Report of TCP Vegas — Data Link



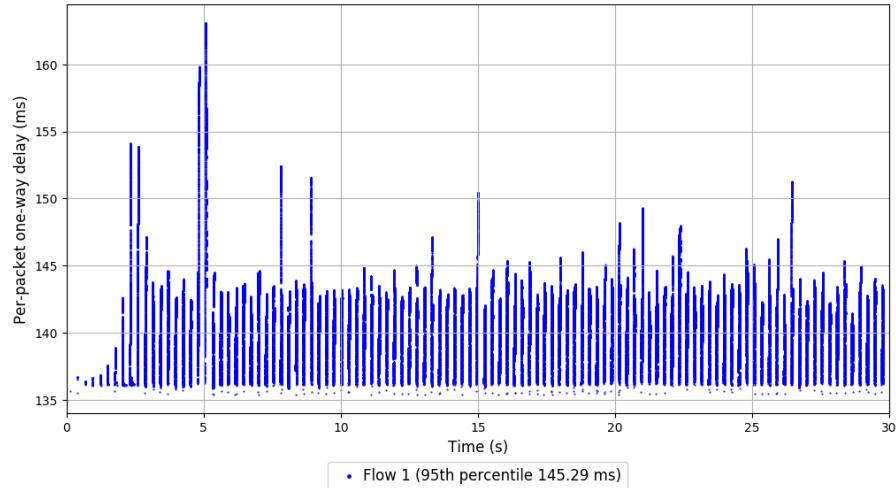
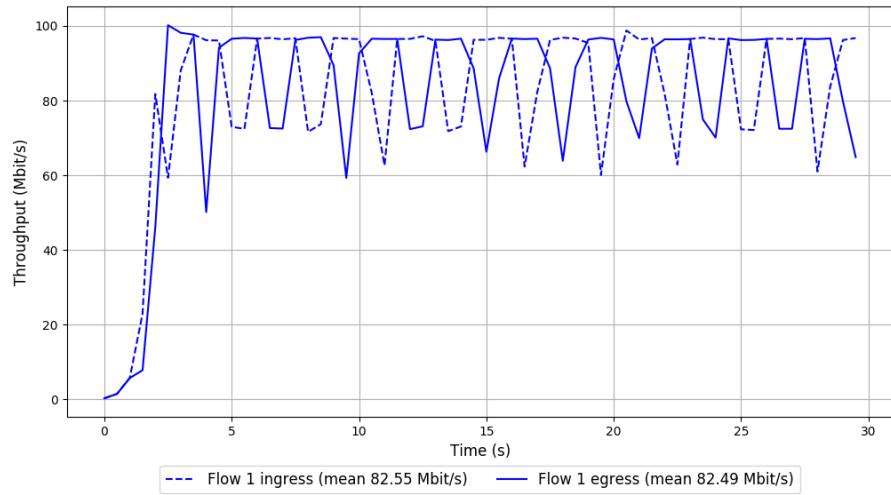
Run 6: Statistics of TCP Vegas

Start at: 2018-04-10 20:54:07

End at: 2018-04-10 20:54:37

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.49 Mbit/s
95th percentile per-packet one-way delay: 145.290 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 82.49 Mbit/s
95th percentile per-packet one-way delay: 145.290 ms
Loss rate: 0.98%
```

Run 6: Report of TCP Vegas — Data Link



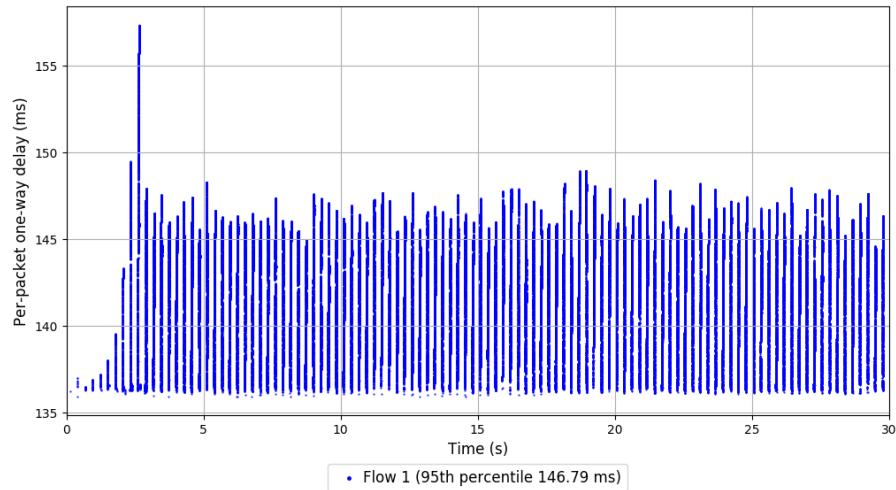
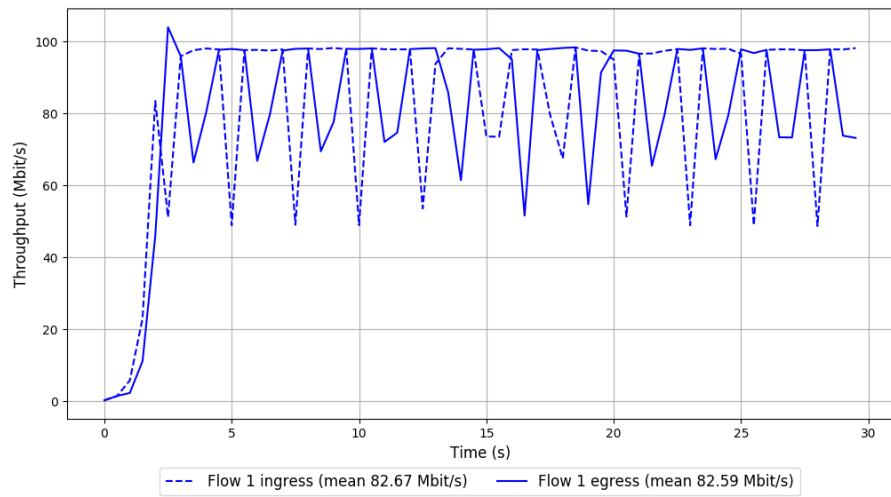
Run 7: Statistics of TCP Vegas

Start at: 2018-04-10 21:09:31

End at: 2018-04-10 21:10:01

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 146.795 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 146.795 ms
Loss rate: 0.99%
```

Run 7: Report of TCP Vegas — Data Link



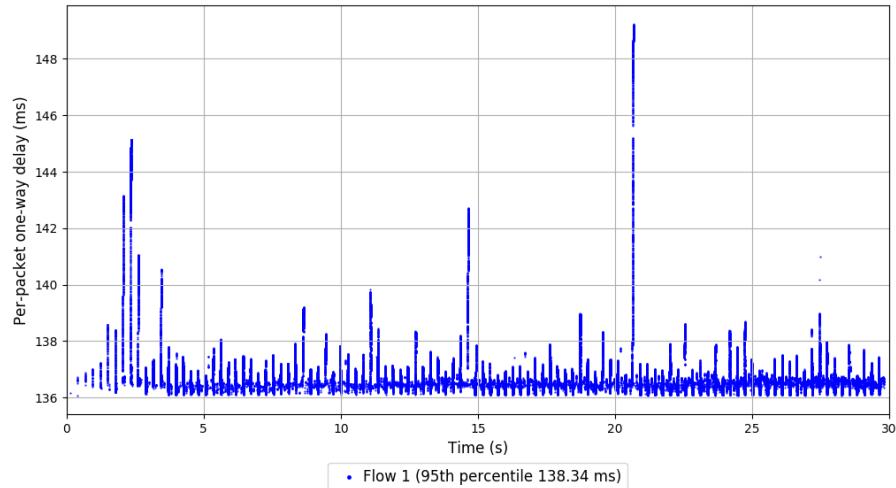
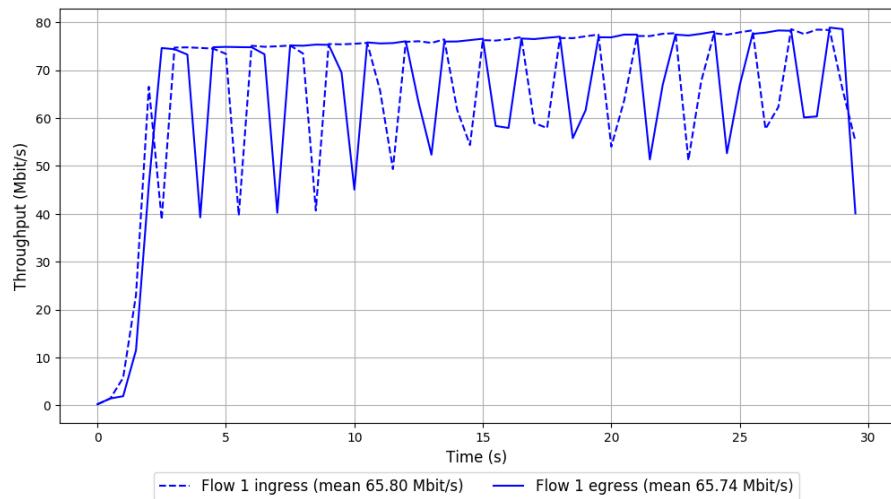
Run 8: Statistics of TCP Vegas

Start at: 2018-04-10 21:25:19

End at: 2018-04-10 21:25:49

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.74 Mbit/s
95th percentile per-packet one-way delay: 138.341 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 65.74 Mbit/s
95th percentile per-packet one-way delay: 138.341 ms
Loss rate: 1.00%
```

Run 8: Report of TCP Vegas — Data Link



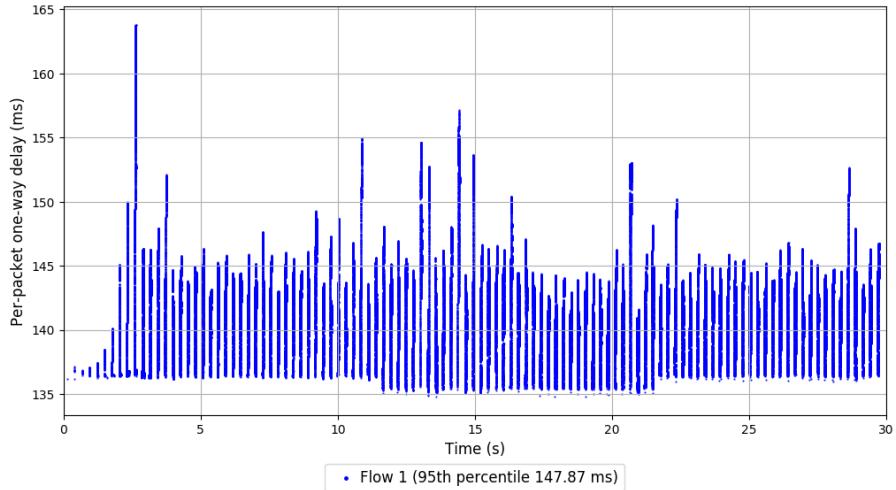
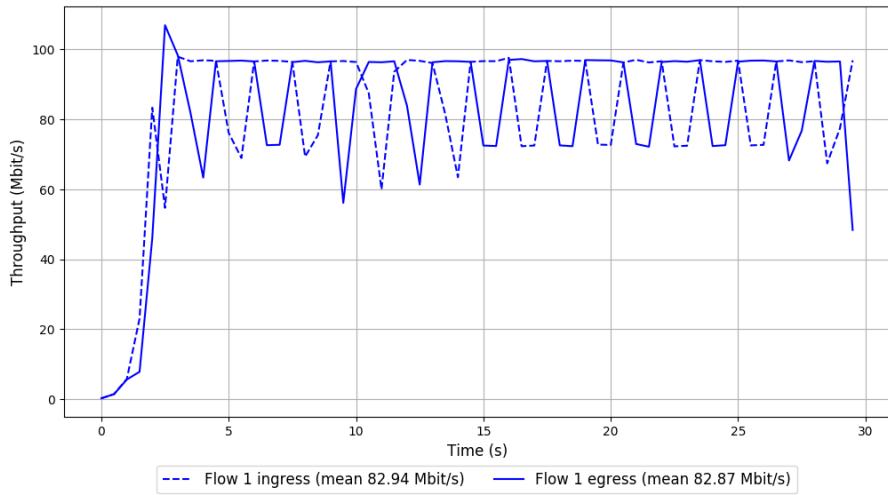
Run 9: Statistics of TCP Vegas

Start at: 2018-04-10 21:40:58

End at: 2018-04-10 21:41:28

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.87 Mbit/s
95th percentile per-packet one-way delay: 147.865 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 82.87 Mbit/s
95th percentile per-packet one-way delay: 147.865 ms
Loss rate: 0.98%
```

Run 9: Report of TCP Vegas — Data Link



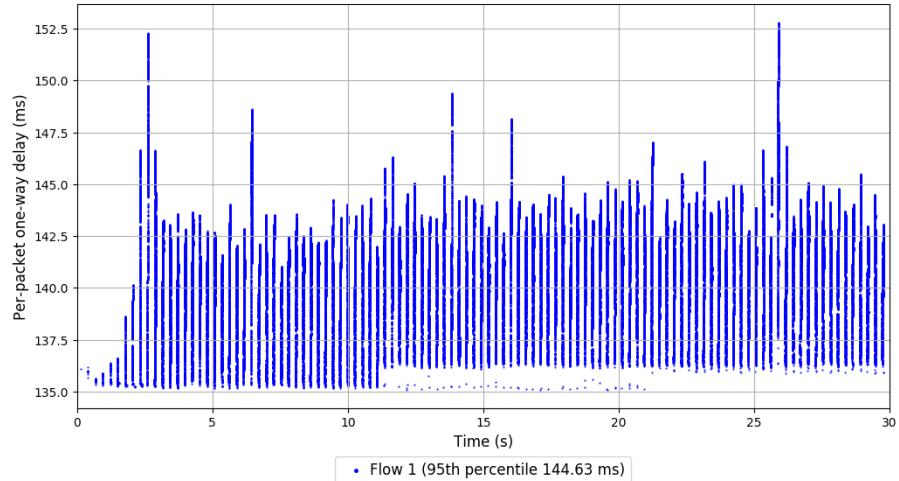
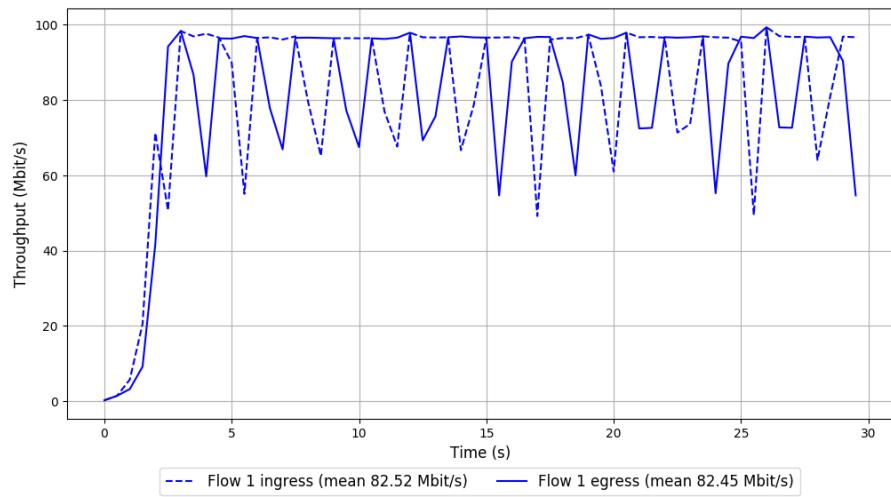
Run 10: Statistics of TCP Vegas

Start at: 2018-04-10 21:56:28

End at: 2018-04-10 21:56:58

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.45 Mbit/s
95th percentile per-packet one-way delay: 144.628 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 82.45 Mbit/s
95th percentile per-packet one-way delay: 144.628 ms
Loss rate: 0.98%
```

Run 10: Report of TCP Vegas — Data Link



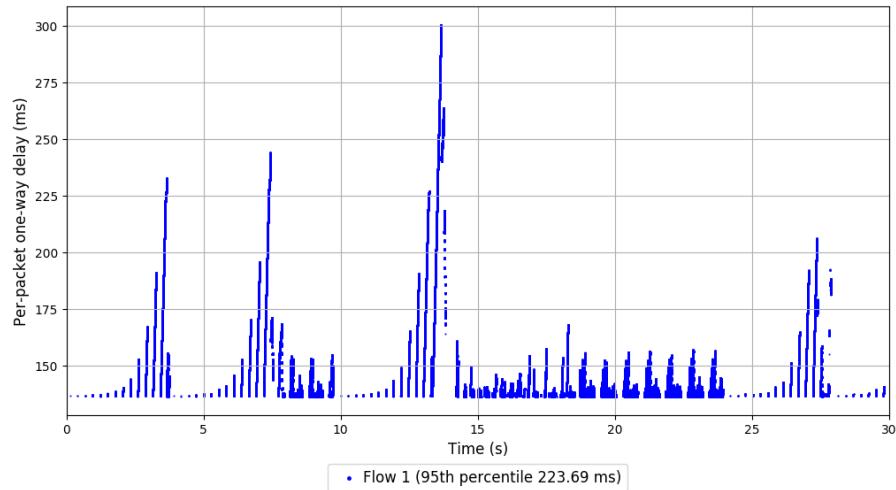
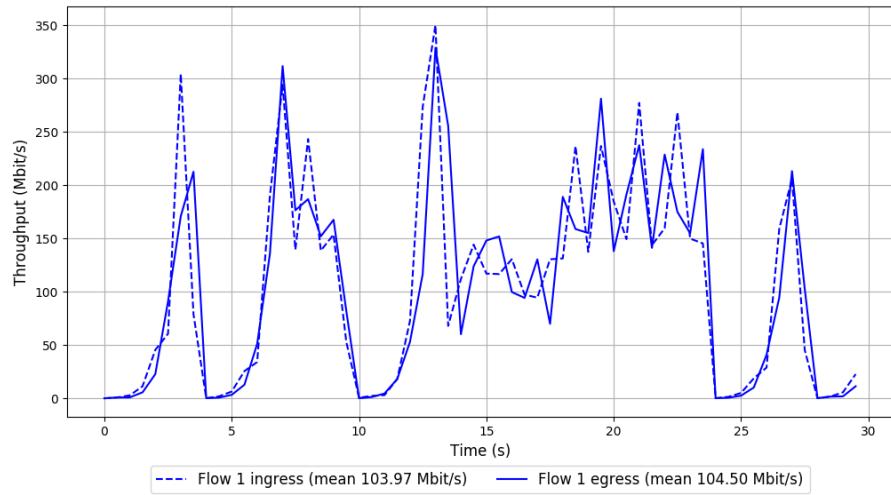
Run 1: Statistics of Verus

Start at: 2018-04-10 19:34:22

End at: 2018-04-10 19:34:52

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.50 Mbit/s
95th percentile per-packet one-way delay: 223.693 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 104.50 Mbit/s
95th percentile per-packet one-way delay: 223.693 ms
Loss rate: 0.41%
```

Run 1: Report of Verus — Data Link



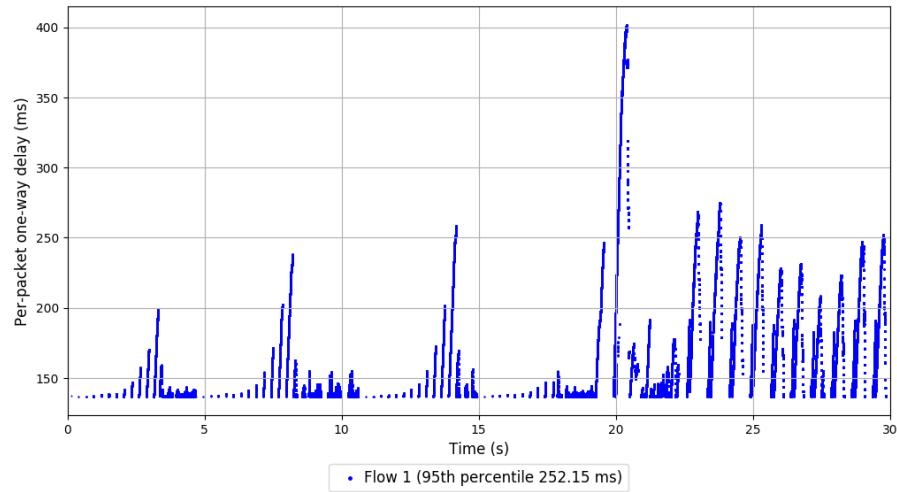
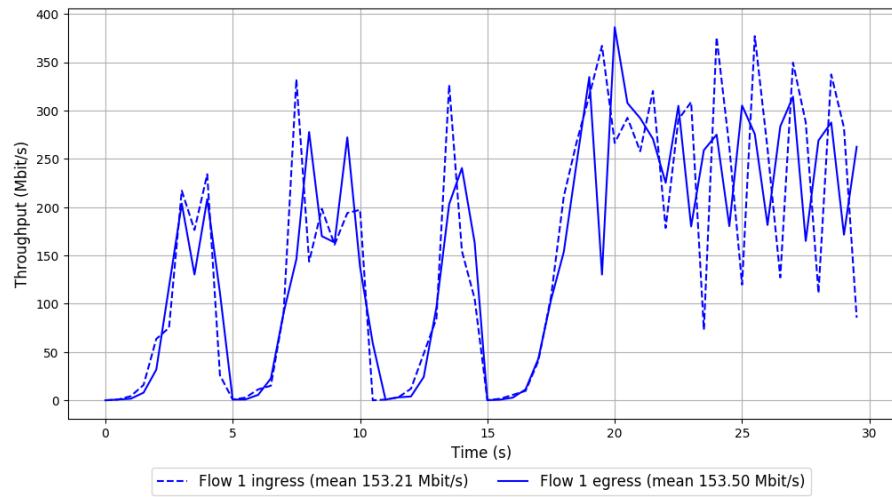
Run 2: Statistics of Verus

Start at: 2018-04-10 19:49:39

End at: 2018-04-10 19:50:09

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 153.50 Mbit/s
95th percentile per-packet one-way delay: 252.148 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 153.50 Mbit/s
95th percentile per-packet one-way delay: 252.148 ms
Loss rate: 0.73%
```

Run 2: Report of Verus — Data Link



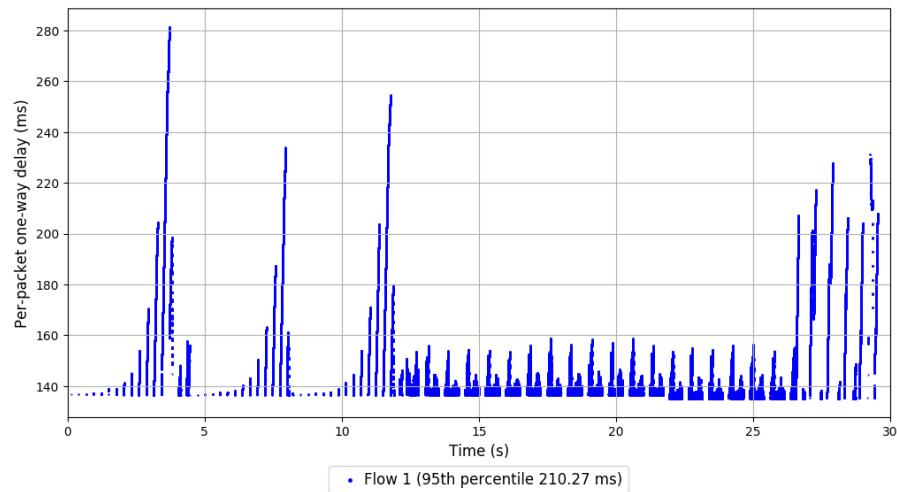
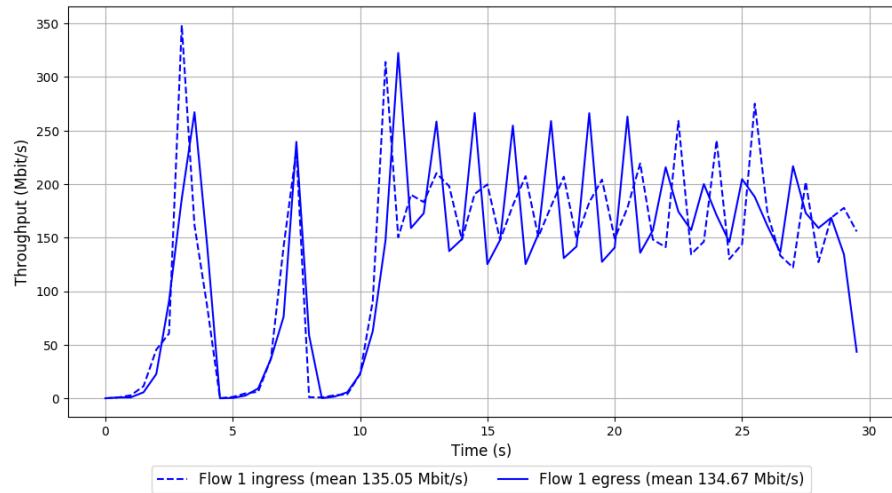
Run 3: Statistics of Verus

Start at: 2018-04-10 20:05:08

End at: 2018-04-10 20:05:38

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.67 Mbit/s
95th percentile per-packet one-way delay: 210.274 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 134.67 Mbit/s
95th percentile per-packet one-way delay: 210.274 ms
Loss rate: 1.93%
```

Run 3: Report of Verus — Data Link



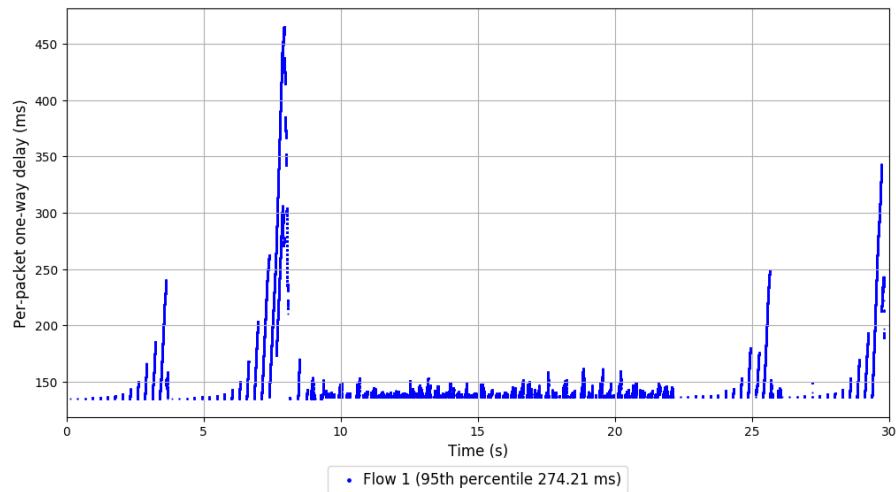
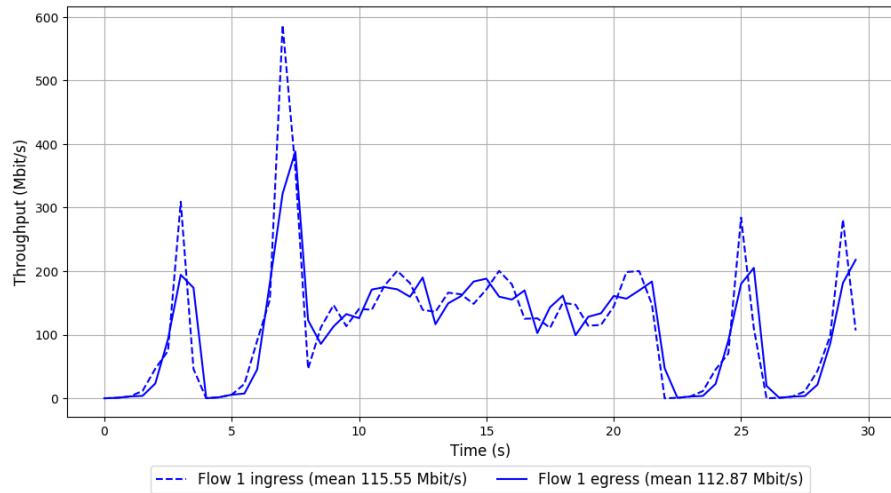
Run 4: Statistics of Verus

Start at: 2018-04-10 20:20:20

End at: 2018-04-10 20:20:50

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 112.87 Mbit/s
95th percentile per-packet one-way delay: 274.213 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 112.87 Mbit/s
95th percentile per-packet one-way delay: 274.213 ms
Loss rate: 3.24%
```

Run 4: Report of Verus — Data Link



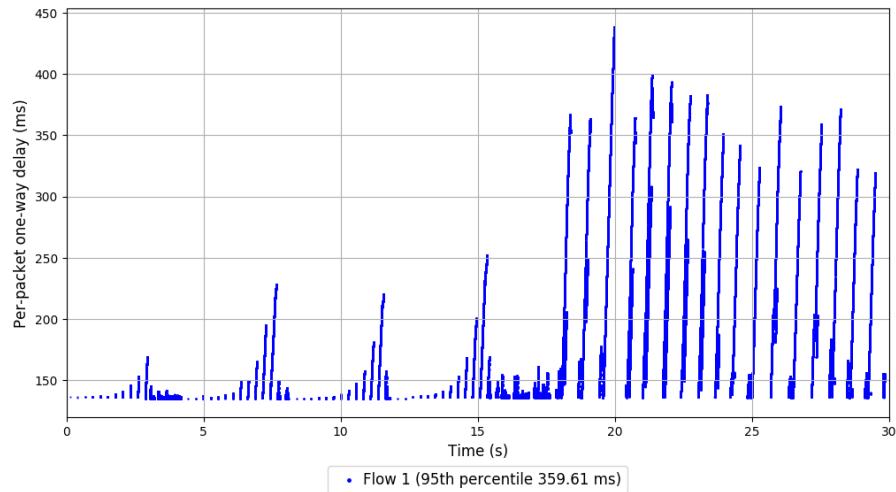
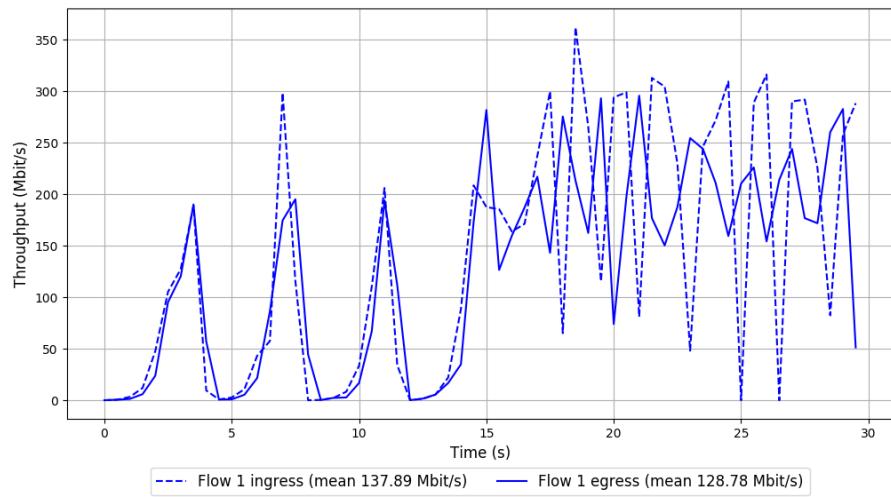
Run 5: Statistics of Verus

Start at: 2018-04-10 20:35:37

End at: 2018-04-10 20:36:07

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 128.78 Mbit/s
95th percentile per-packet one-way delay: 359.612 ms
Loss rate: 7.08%
-- Flow 1:
Average throughput: 128.78 Mbit/s
95th percentile per-packet one-way delay: 359.612 ms
Loss rate: 7.08%
```

Run 5: Report of Verus — Data Link



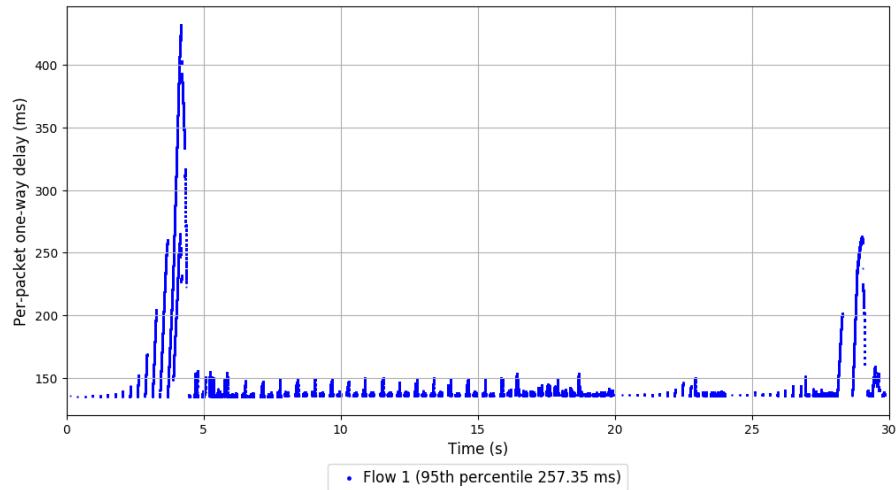
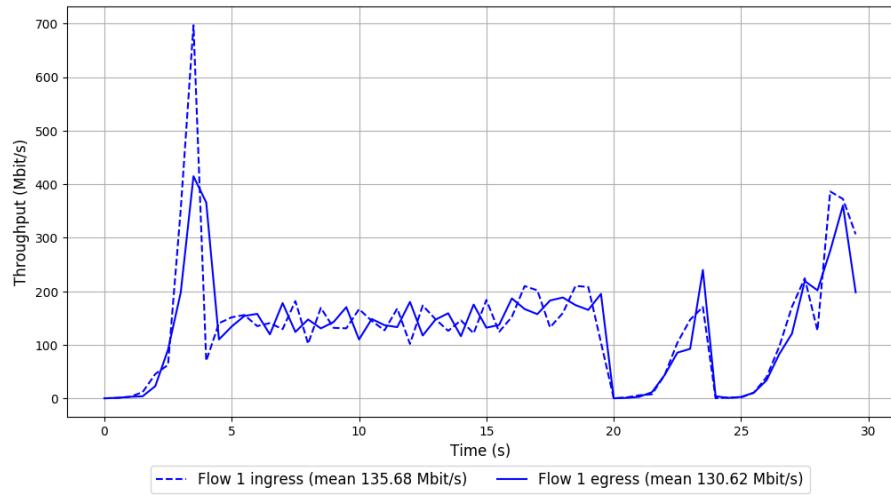
Run 6: Statistics of Verus

Start at: 2018-04-10 20:51:22

End at: 2018-04-10 20:51:52

```
# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 130.62 Mbit/s
95th percentile per-packet one-way delay: 257.354 ms
Loss rate: 4.60%
-- Flow 1:
Average throughput: 130.62 Mbit/s
95th percentile per-packet one-way delay: 257.354 ms
Loss rate: 4.60%
```

Run 6: Report of Verus — Data Link



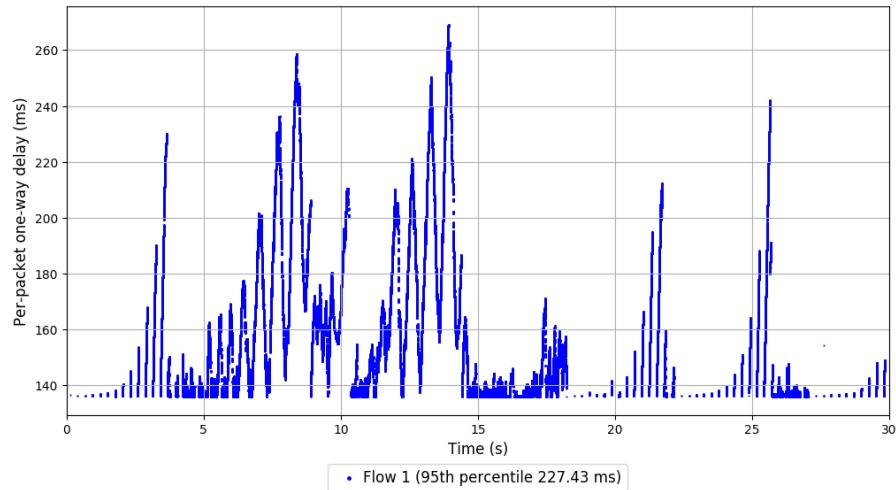
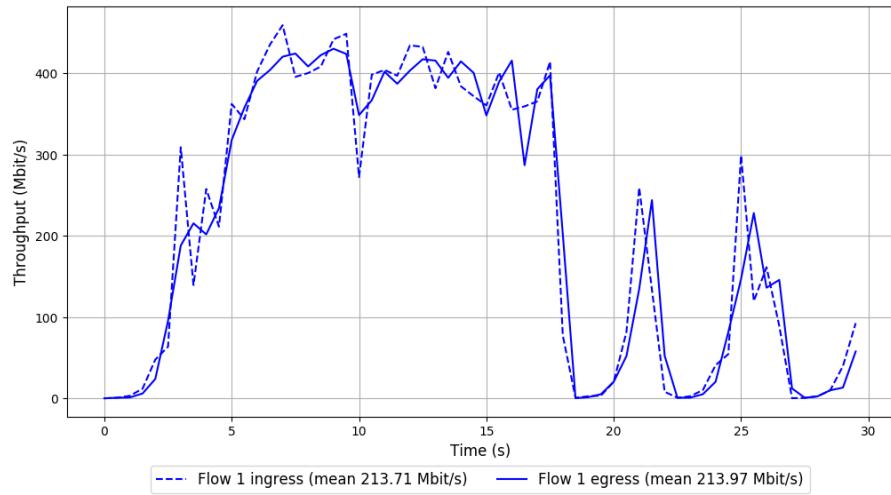
Run 7: Statistics of Verus

Start at: 2018-04-10 21:06:41

End at: 2018-04-10 21:07:11

```
# Below is generated by plot.py at 2018-04-11 01:19:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.97 Mbit/s
95th percentile per-packet one-way delay: 227.428 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 213.97 Mbit/s
95th percentile per-packet one-way delay: 227.428 ms
Loss rate: 0.79%
```

Run 7: Report of Verus — Data Link



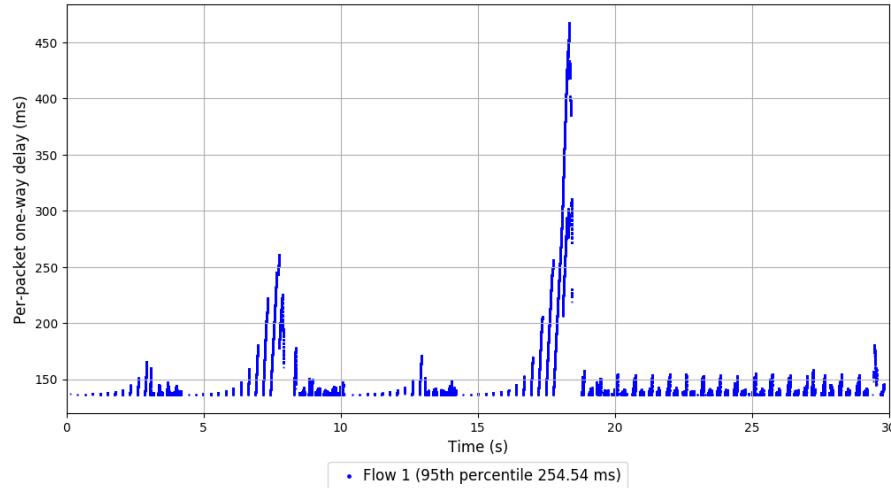
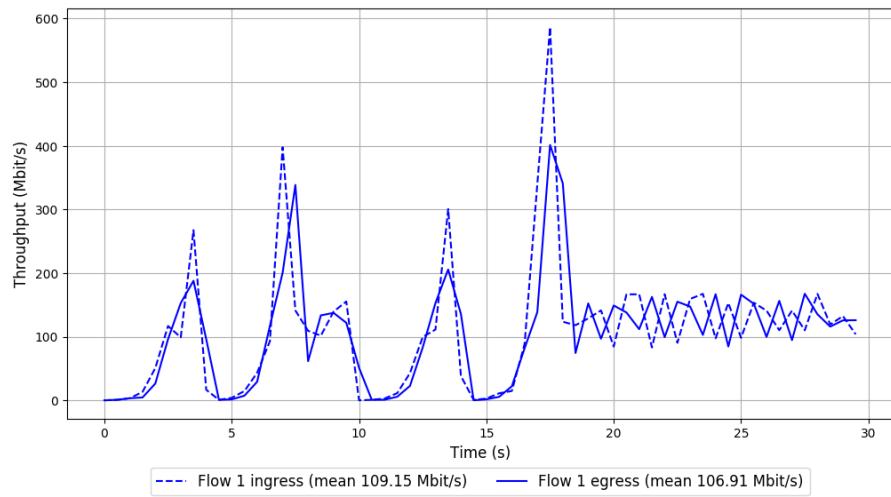
Run 8: Statistics of Verus

Start at: 2018-04-10 21:22:30

End at: 2018-04-10 21:23:00

```
# Below is generated by plot.py at 2018-04-11 01:19:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.91 Mbit/s
95th percentile per-packet one-way delay: 254.544 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 106.91 Mbit/s
95th percentile per-packet one-way delay: 254.544 ms
Loss rate: 2.99%
```

Run 8: Report of Verus — Data Link



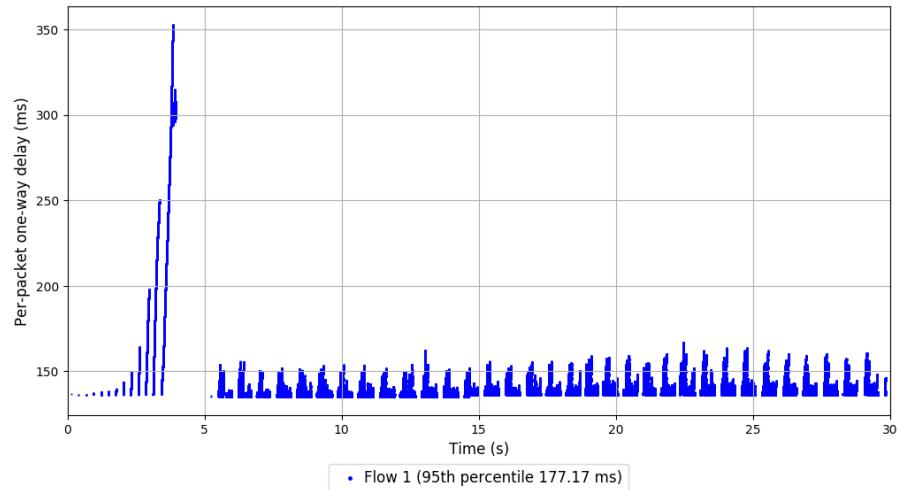
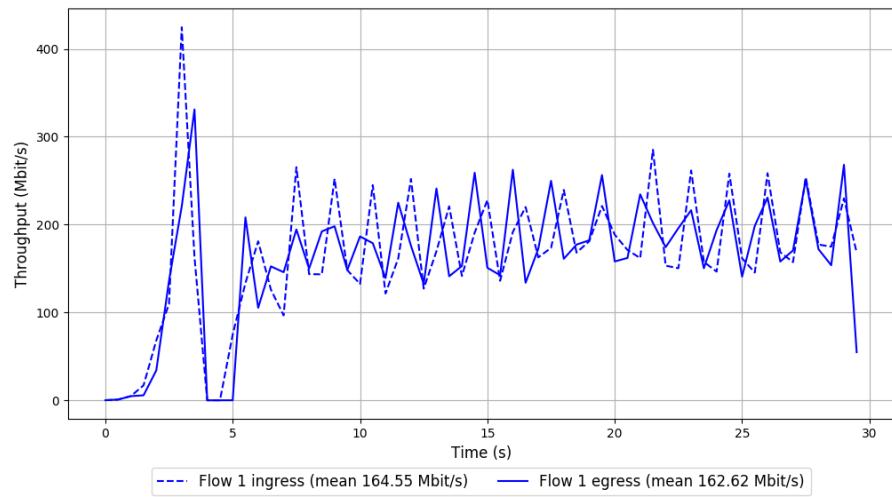
Run 9: Statistics of Verus

Start at: 2018-04-10 21:38:05

End at: 2018-04-10 21:38:35

```
# Below is generated by plot.py at 2018-04-11 01:19:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 162.62 Mbit/s
95th percentile per-packet one-way delay: 177.167 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 162.62 Mbit/s
95th percentile per-packet one-way delay: 177.167 ms
Loss rate: 2.07%
```

Run 9: Report of Verus — Data Link



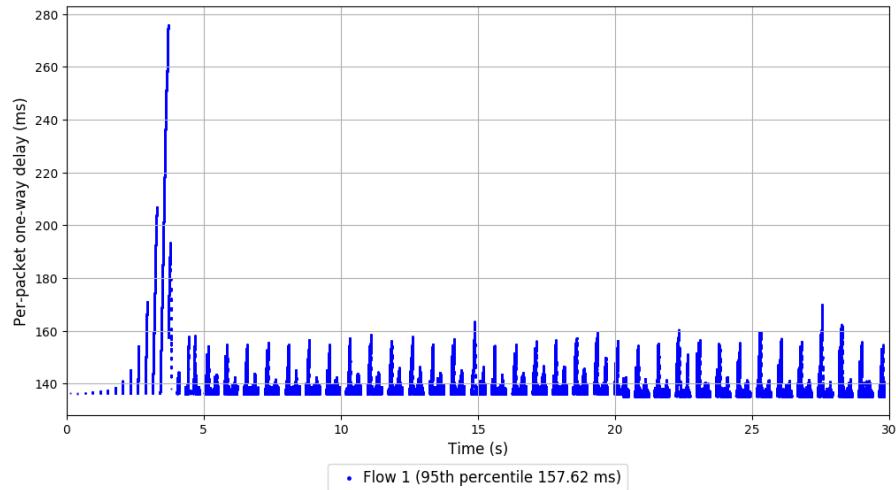
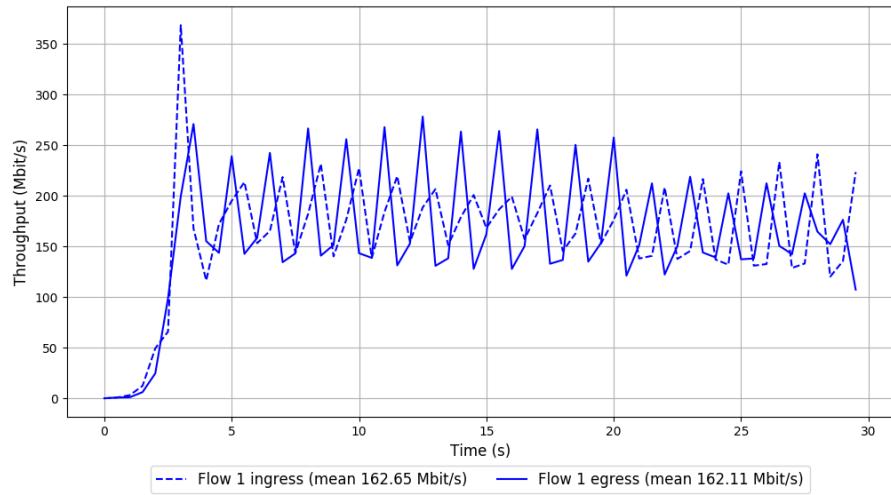
Run 10: Statistics of Verus

Start at: 2018-04-10 21:53:39

End at: 2018-04-10 21:54:09

```
# Below is generated by plot.py at 2018-04-11 01:19:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 162.11 Mbit/s
95th percentile per-packet one-way delay: 157.615 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 162.11 Mbit/s
95th percentile per-packet one-way delay: 157.615 ms
Loss rate: 1.23%
```

Run 10: Report of Verus — Data Link



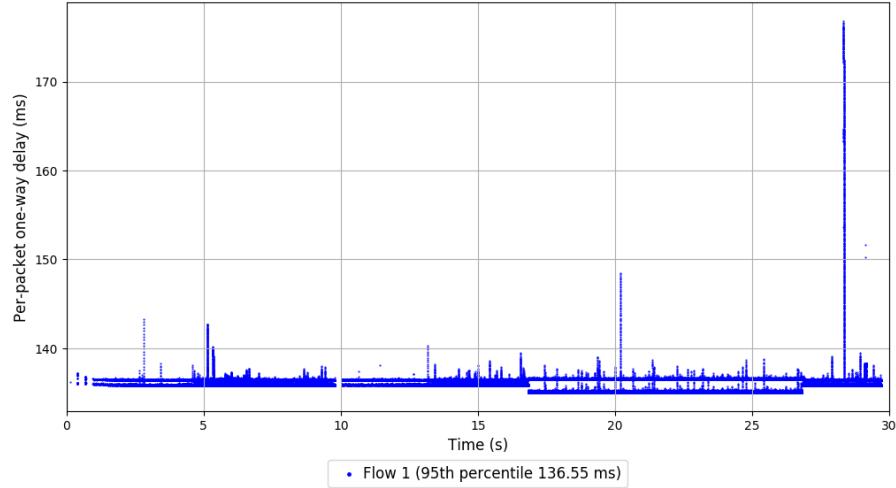
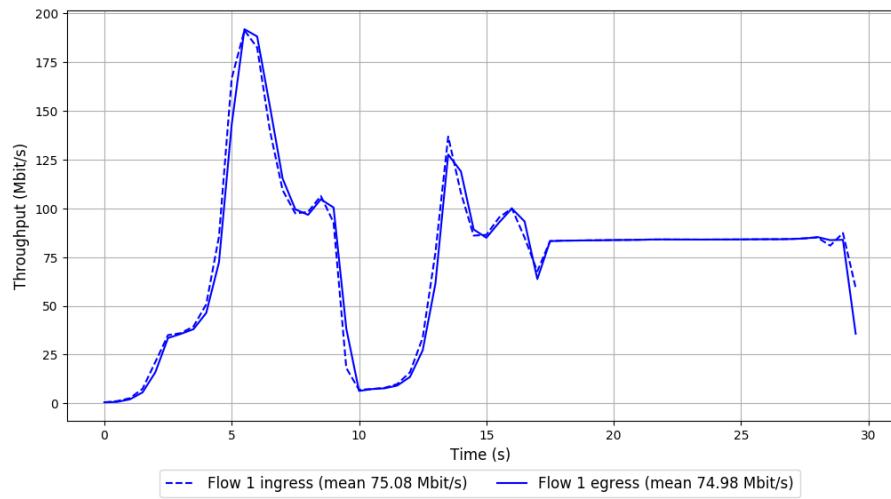
Run 1: Statistics of Copa

Start at: 2018-04-10 19:35:13

End at: 2018-04-10 19:35:43

```
# Below is generated by plot.py at 2018-04-11 01:19:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.98 Mbit/s
95th percentile per-packet one-way delay: 136.551 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 74.98 Mbit/s
95th percentile per-packet one-way delay: 136.551 ms
Loss rate: 1.05%
```

Run 1: Report of Copa — Data Link



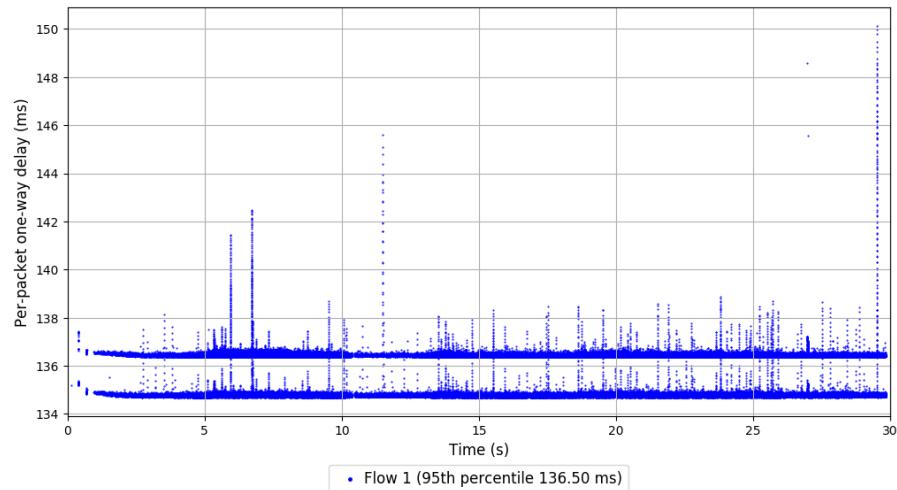
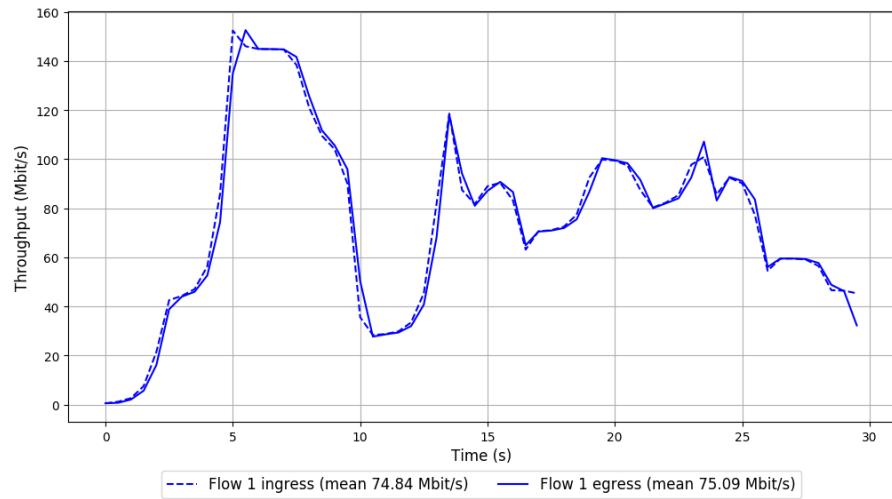
Run 2: Statistics of Copa

Start at: 2018-04-10 19:50:33

End at: 2018-04-10 19:51:03

```
# Below is generated by plot.py at 2018-04-11 01:19:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.09 Mbit/s
95th percentile per-packet one-way delay: 136.502 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 75.09 Mbit/s
95th percentile per-packet one-way delay: 136.502 ms
Loss rate: 0.58%
```

Run 2: Report of Copa — Data Link



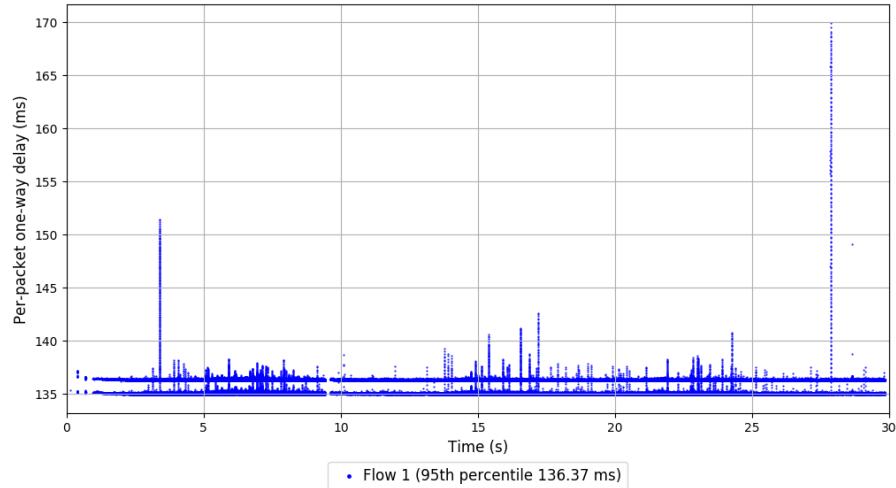
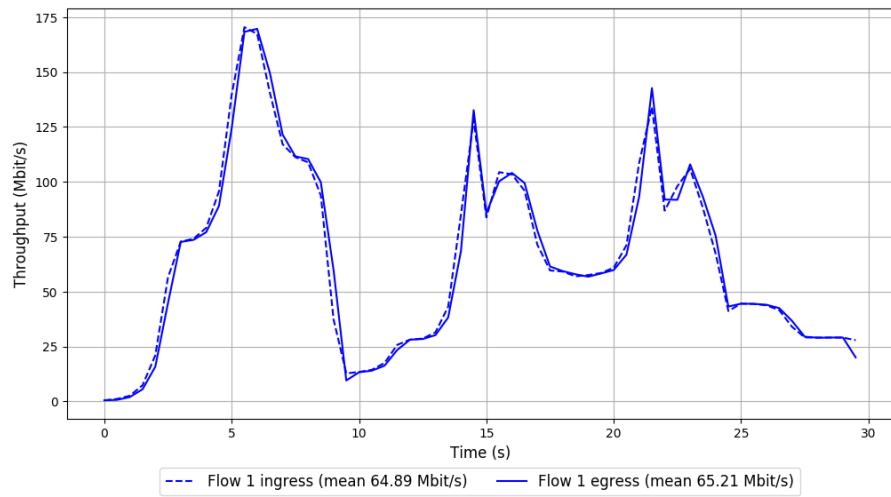
Run 3: Statistics of Copa

Start at: 2018-04-10 20:06:00

End at: 2018-04-10 20:06:30

```
# Below is generated by plot.py at 2018-04-11 01:19:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.21 Mbit/s
95th percentile per-packet one-way delay: 136.369 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 65.21 Mbit/s
95th percentile per-packet one-way delay: 136.369 ms
Loss rate: 0.40%
```

Run 3: Report of Copa — Data Link



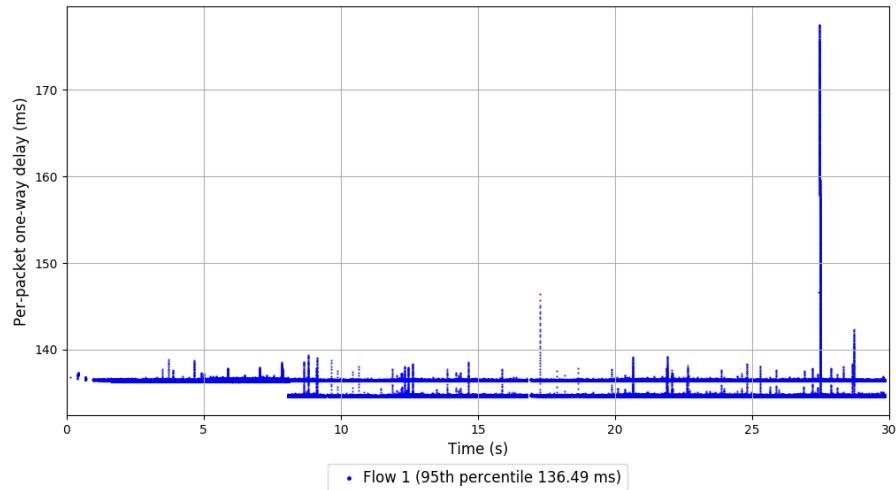
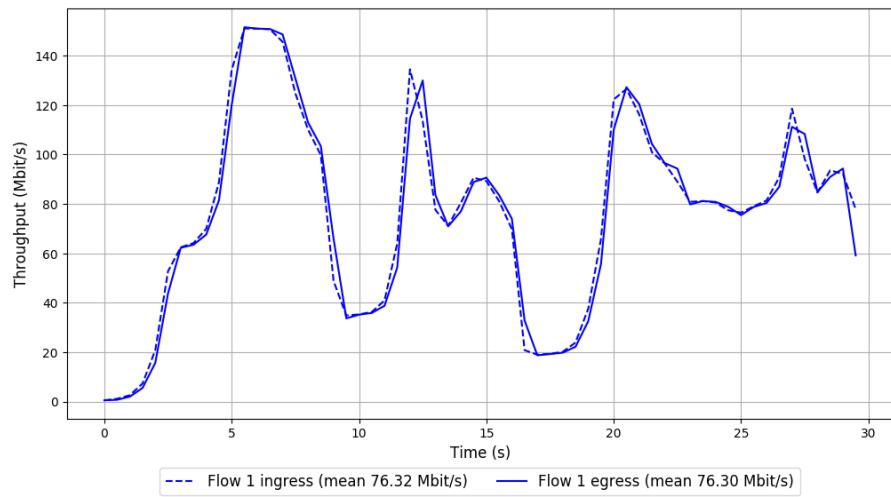
Run 4: Statistics of Copa

Start at: 2018-04-10 20:21:11

End at: 2018-04-10 20:21:41

```
# Below is generated by plot.py at 2018-04-11 01:20:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.30 Mbit/s
95th percentile per-packet one-way delay: 136.493 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 76.30 Mbit/s
95th percentile per-packet one-way delay: 136.493 ms
Loss rate: 0.94%
```

Run 4: Report of Copa — Data Link



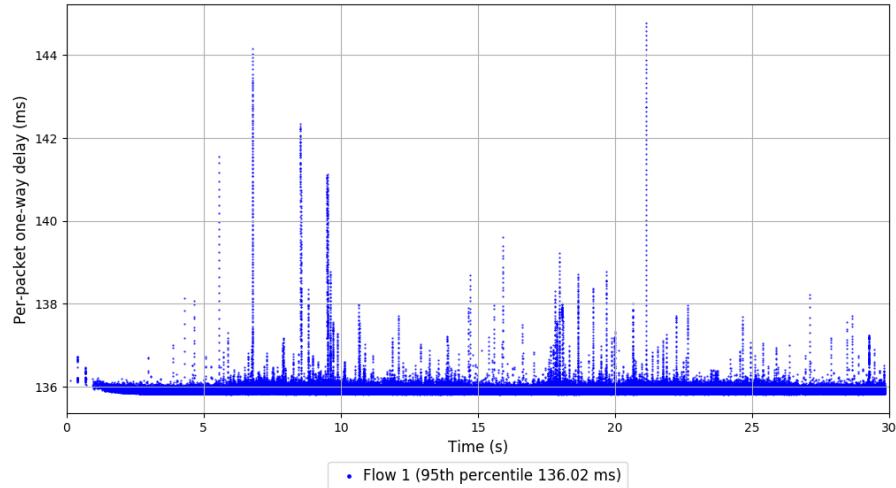
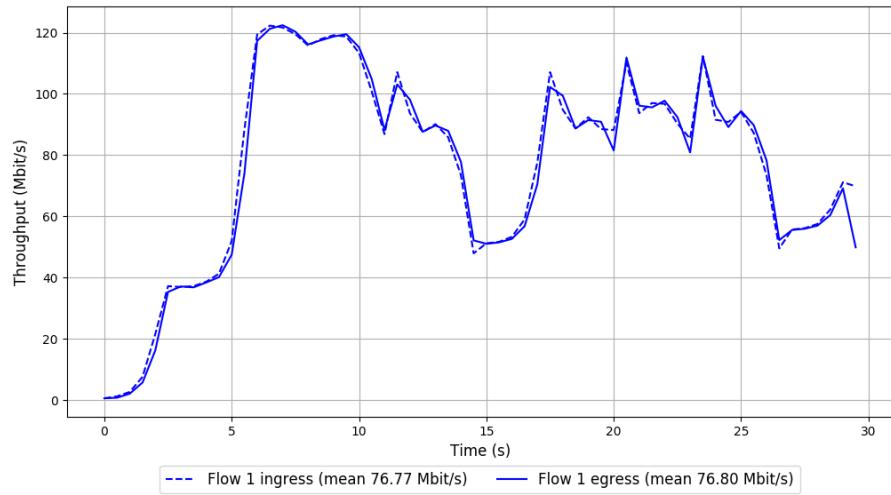
Run 5: Statistics of Copa

Start at: 2018-04-10 20:36:29

End at: 2018-04-10 20:36:59

```
# Below is generated by plot.py at 2018-04-11 01:21:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 136.019 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 136.019 ms
Loss rate: 0.86%
```

Run 5: Report of Copa — Data Link



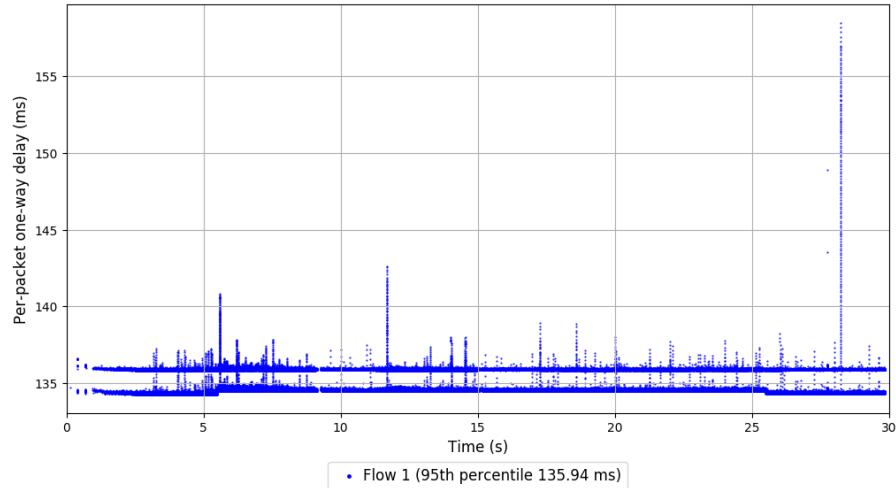
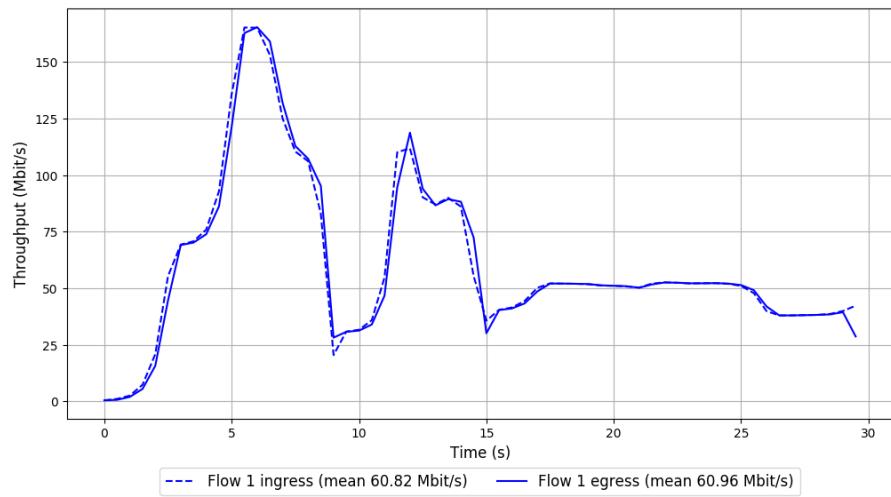
Run 6: Statistics of Copa

Start at: 2018-04-10 20:52:14

End at: 2018-04-10 20:52:44

```
# Below is generated by plot.py at 2018-04-11 01:21:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.96 Mbit/s
95th percentile per-packet one-way delay: 135.945 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 60.96 Mbit/s
95th percentile per-packet one-way delay: 135.945 ms
Loss rate: 0.68%
```

Run 6: Report of Copa — Data Link



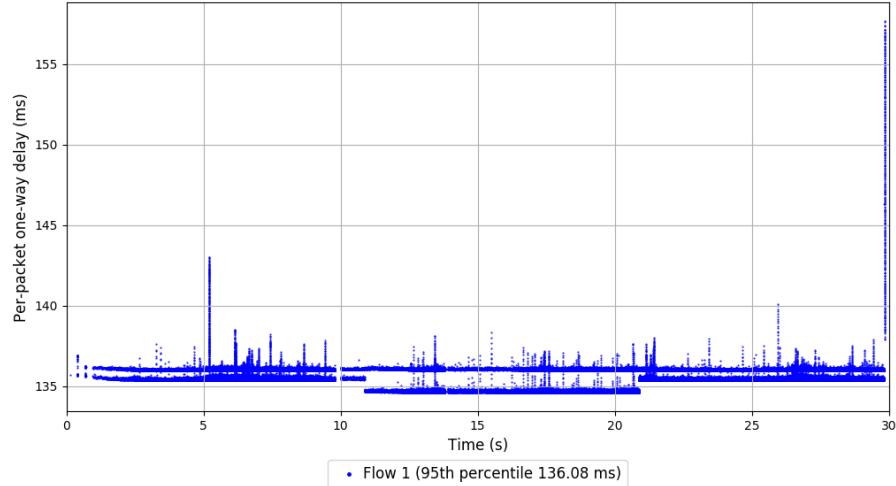
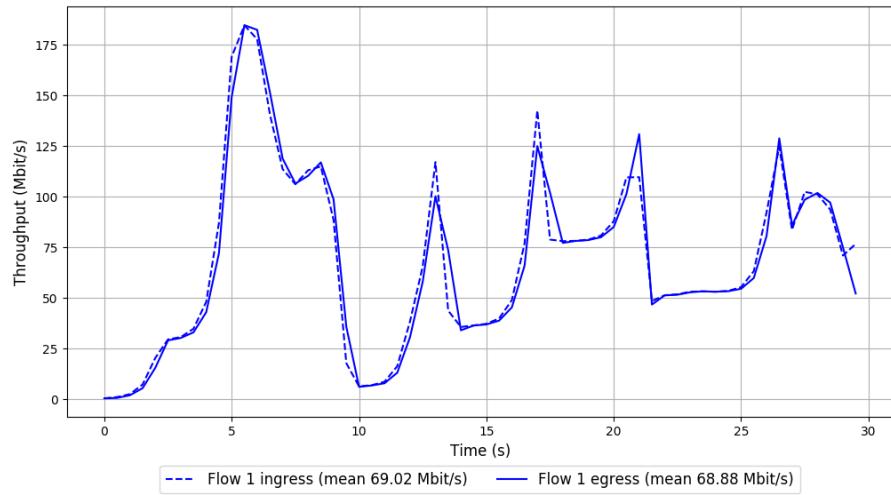
Run 7: Statistics of Copa

Start at: 2018-04-10 21:07:39

End at: 2018-04-10 21:08:09

```
# Below is generated by plot.py at 2018-04-11 01:21:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.88 Mbit/s
95th percentile per-packet one-way delay: 136.080 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 68.88 Mbit/s
95th percentile per-packet one-way delay: 136.080 ms
Loss rate: 1.07%
```

Run 7: Report of Copa — Data Link



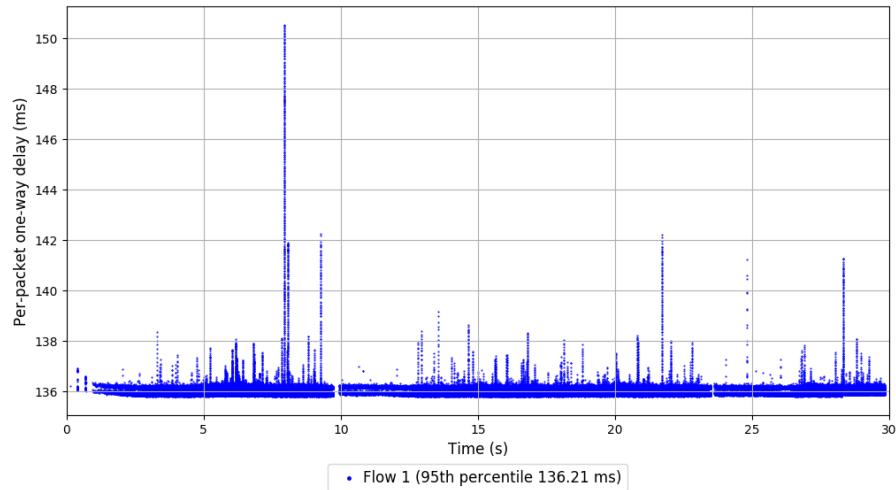
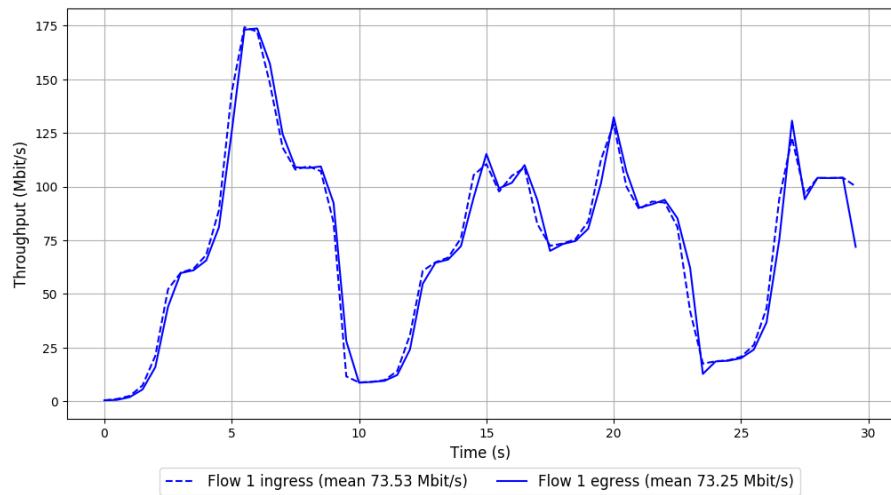
Run 8: Statistics of Copa

Start at: 2018-04-10 21:23:21

End at: 2018-04-10 21:23:51

```
# Below is generated by plot.py at 2018-04-11 01:21:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.25 Mbit/s
95th percentile per-packet one-way delay: 136.212 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 73.25 Mbit/s
95th percentile per-packet one-way delay: 136.212 ms
Loss rate: 1.28%
```

Run 8: Report of Copa — Data Link



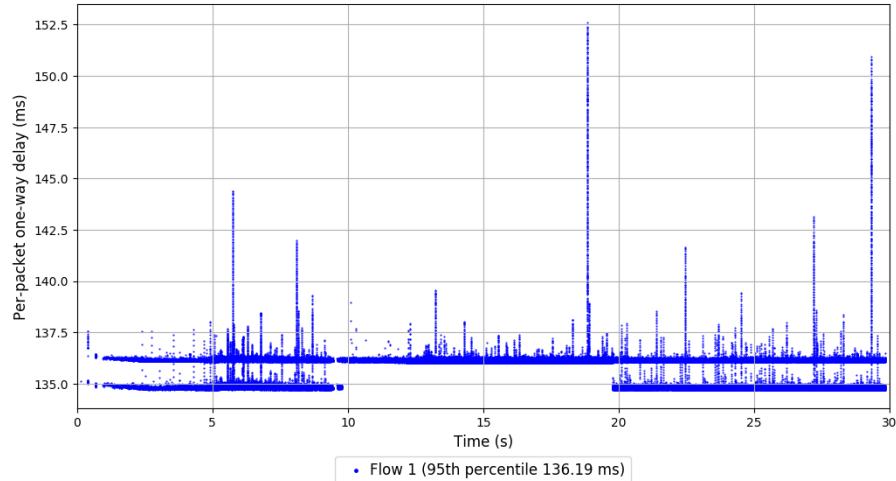
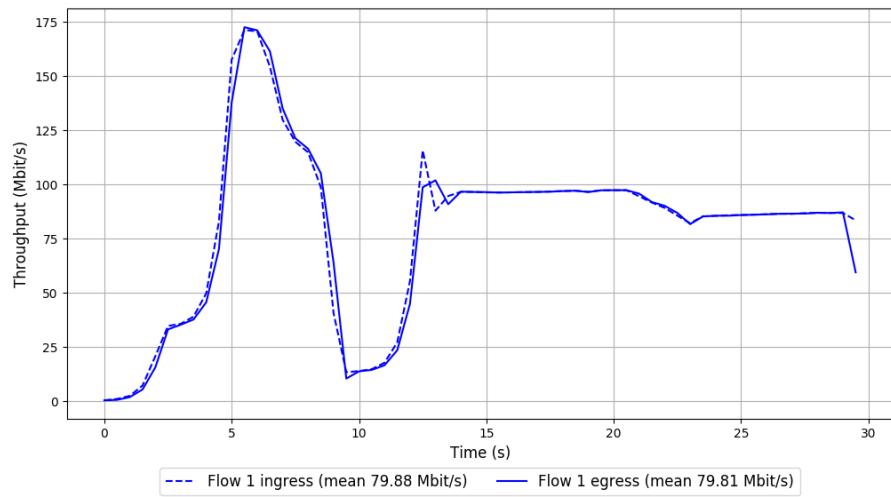
Run 9: Statistics of Copa

Start at: 2018-04-10 21:39:00

End at: 2018-04-10 21:39:30

```
# Below is generated by plot.py at 2018-04-11 01:22:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.81 Mbit/s
95th percentile per-packet one-way delay: 136.194 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 79.81 Mbit/s
95th percentile per-packet one-way delay: 136.194 ms
Loss rate: 0.99%
```

Run 9: Report of Copa — Data Link



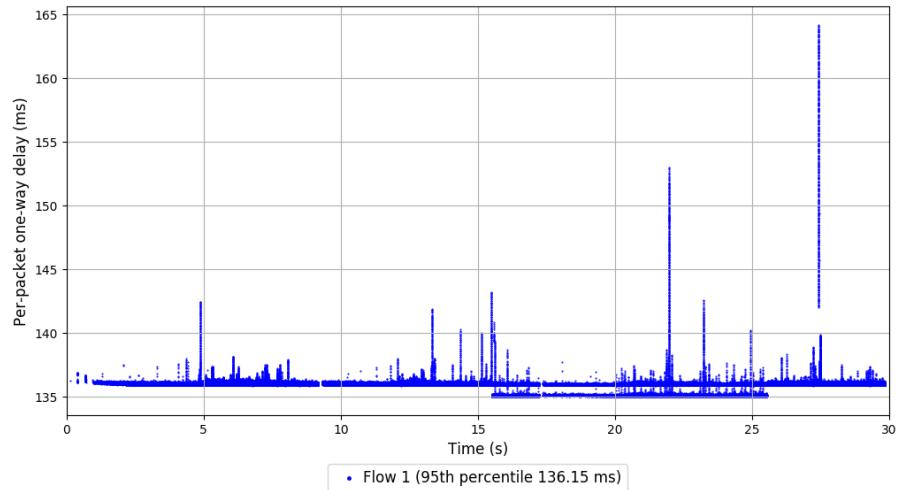
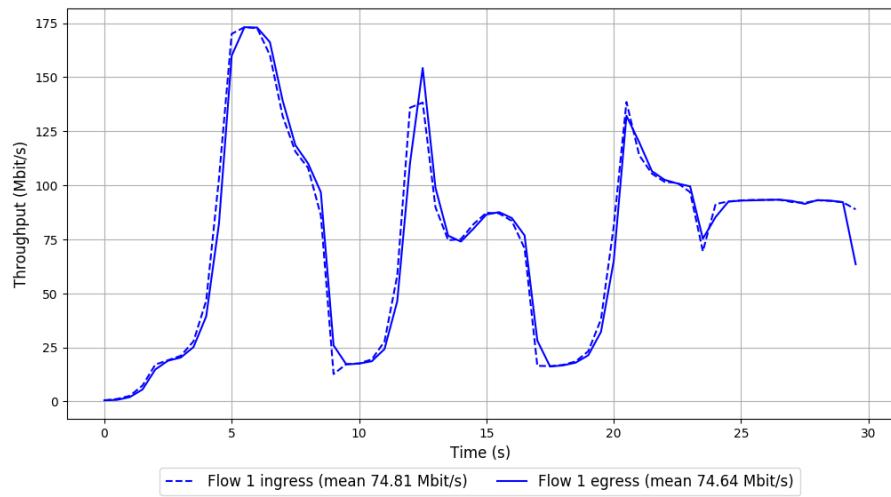
Run 10: Statistics of Copa

Start at: 2018-04-10 21:54:34

End at: 2018-04-10 21:55:04

```
# Below is generated by plot.py at 2018-04-11 01:22:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 136.154 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 136.154 ms
Loss rate: 1.13%
```

Run 10: Report of Copa — Data Link



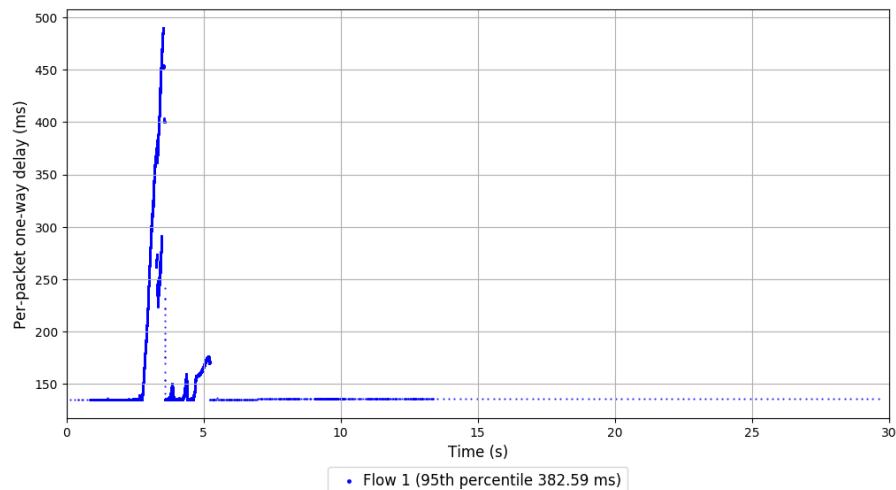
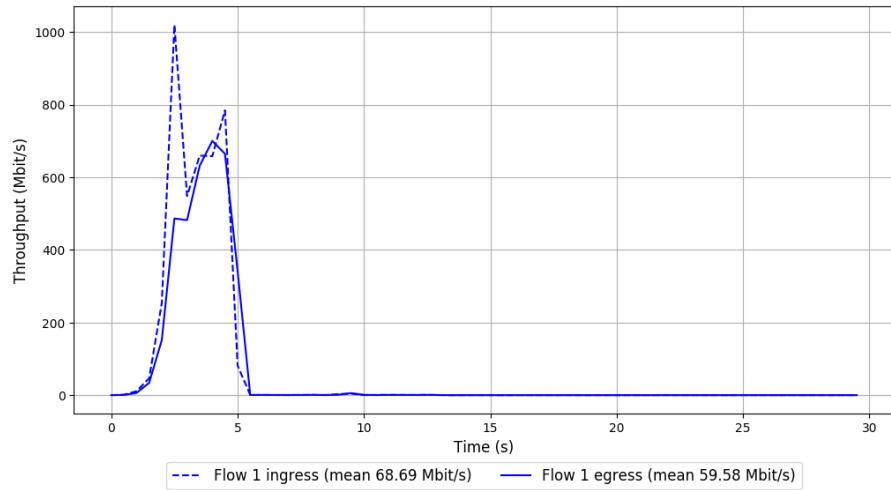
Run 1: Statistics of FillP

Start at: 2018-04-10 19:40:52

End at: 2018-04-10 19:41:23

```
# Below is generated by plot.py at 2018-04-11 01:22:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 382.587 ms
Loss rate: 13.85%
-- Flow 1:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 382.587 ms
Loss rate: 13.85%
```

Run 1: Report of FillP — Data Link



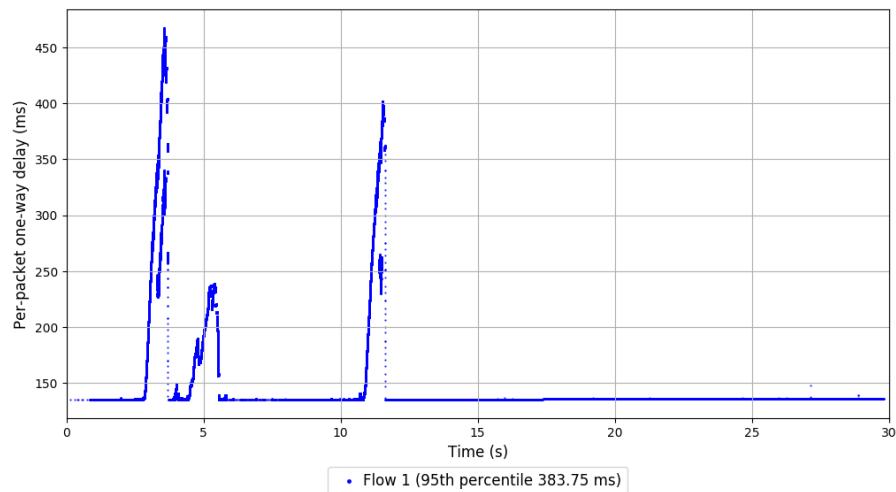
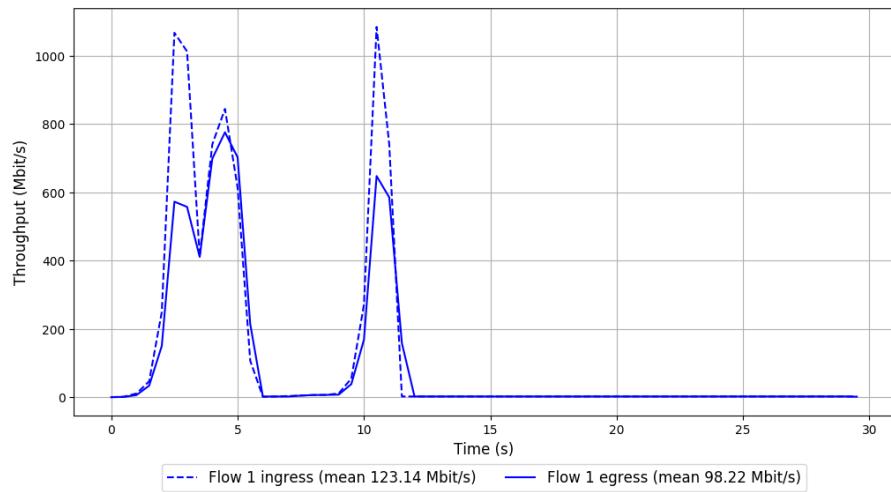
Run 2: Statistics of FillP

Start at: 2018-04-10 19:56:12

End at: 2018-04-10 19:56:42

```
# Below is generated by plot.py at 2018-04-11 01:22:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 98.22 Mbit/s
95th percentile per-packet one-way delay: 383.754 ms
Loss rate: 20.95%
-- Flow 1:
Average throughput: 98.22 Mbit/s
95th percentile per-packet one-way delay: 383.754 ms
Loss rate: 20.95%
```

Run 2: Report of FillP — Data Link



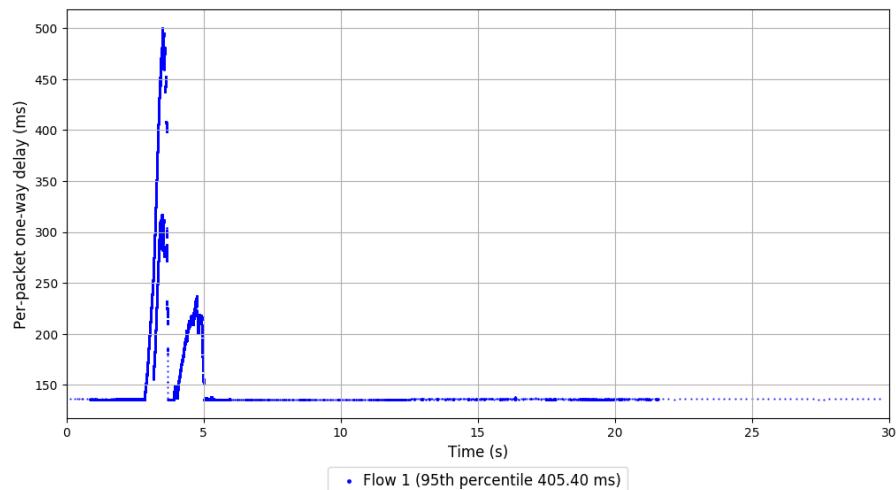
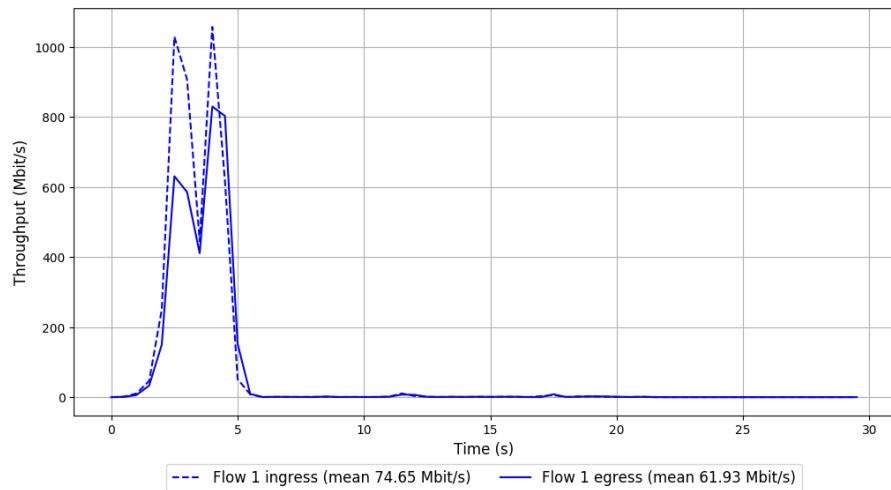
Run 3: Statistics of FillP

Start at: 2018-04-10 20:11:37

End at: 2018-04-10 20:12:07

```
# Below is generated by plot.py at 2018-04-11 01:22:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.93 Mbit/s
95th percentile per-packet one-way delay: 405.405 ms
Loss rate: 18.16%
-- Flow 1:
Average throughput: 61.93 Mbit/s
95th percentile per-packet one-way delay: 405.405 ms
Loss rate: 18.16%
```

Run 3: Report of FillP — Data Link



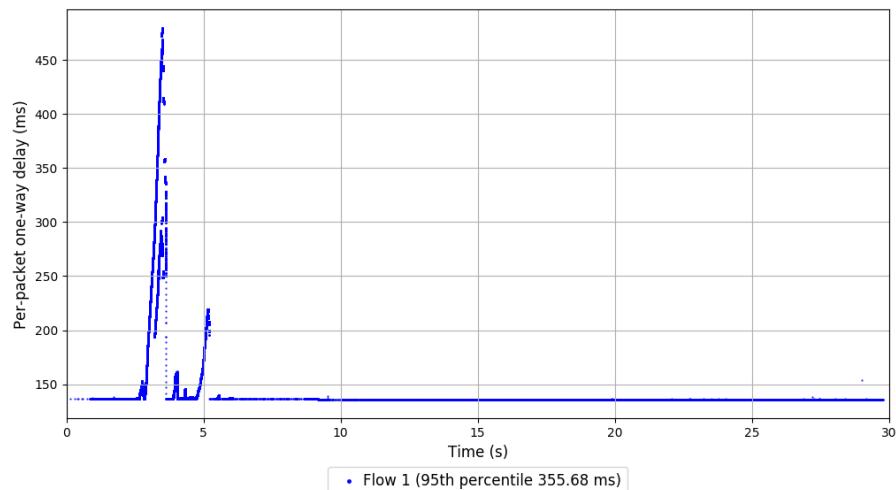
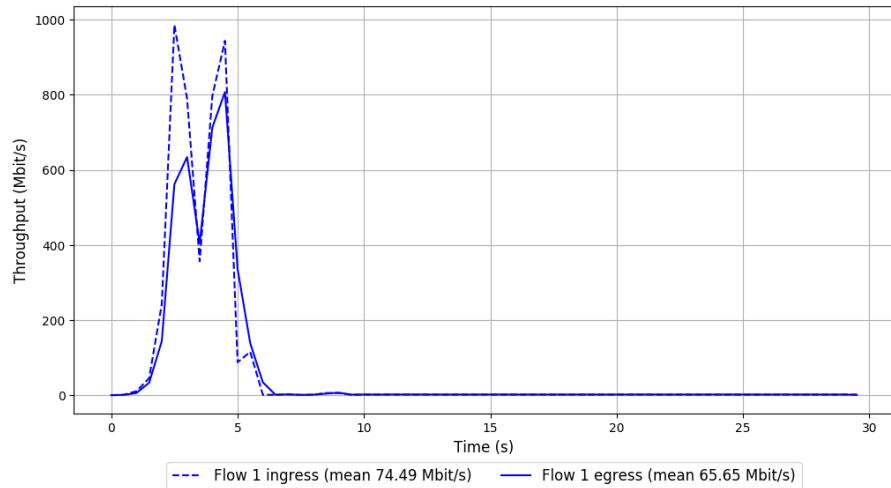
Run 4: Statistics of FillP

Start at: 2018-04-10 20:26:50

End at: 2018-04-10 20:27:20

```
# Below is generated by plot.py at 2018-04-11 01:22:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 355.678 ms
Loss rate: 12.67%
-- Flow 1:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 355.678 ms
Loss rate: 12.67%
```

Run 4: Report of FillP — Data Link



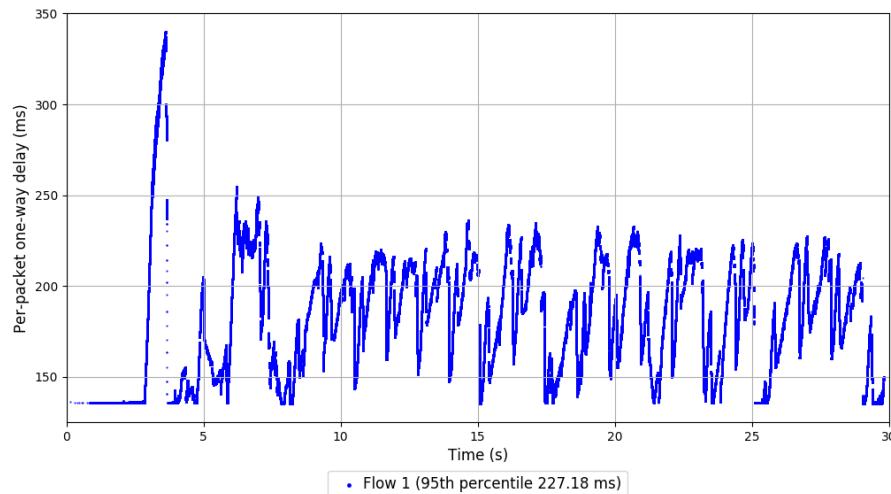
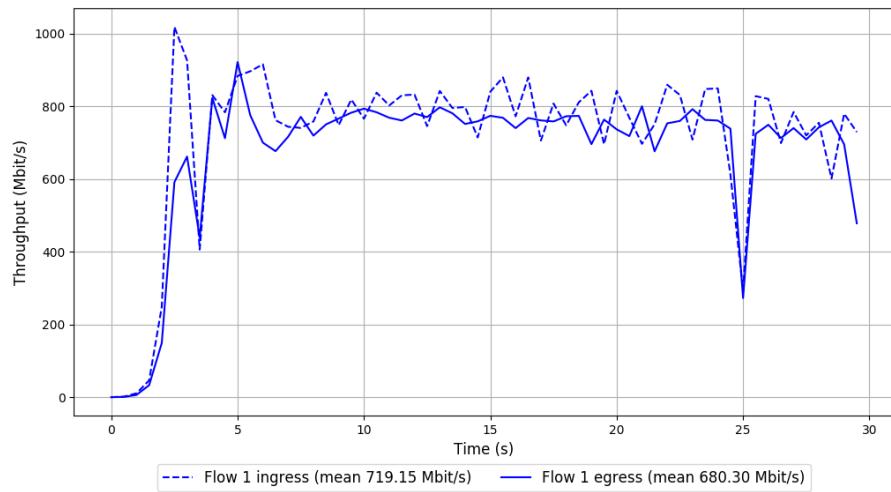
Run 5: Statistics of FillP

Start at: 2018-04-10 20:42:13

End at: 2018-04-10 20:42:43

```
# Below is generated by plot.py at 2018-04-11 01:34:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 680.30 Mbit/s
95th percentile per-packet one-way delay: 227.179 ms
Loss rate: 6.26%
-- Flow 1:
Average throughput: 680.30 Mbit/s
95th percentile per-packet one-way delay: 227.179 ms
Loss rate: 6.26%
```

Run 5: Report of FillP — Data Link



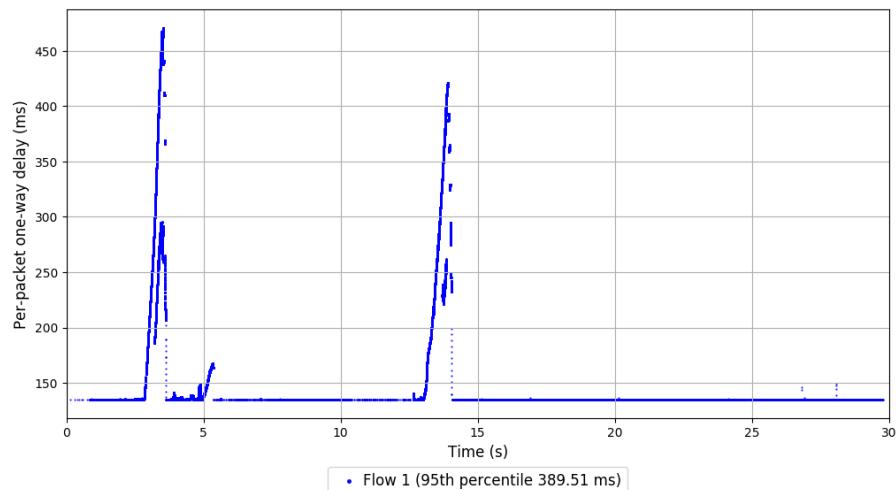
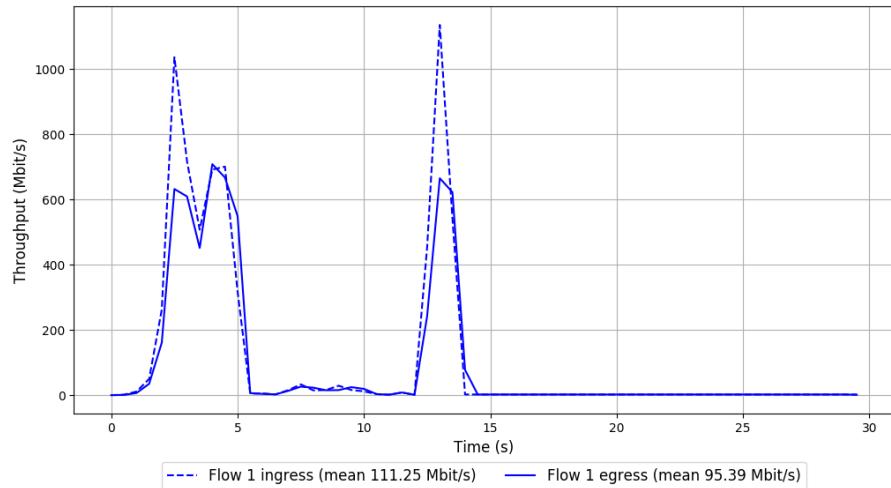
Run 6: Statistics of FillP

Start at: 2018-04-10 20:57:53

End at: 2018-04-10 20:58:23

```
# Below is generated by plot.py at 2018-04-11 01:34:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 389.508 ms
Loss rate: 15.03%
-- Flow 1:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 389.508 ms
Loss rate: 15.03%
```

Run 6: Report of FillP — Data Link



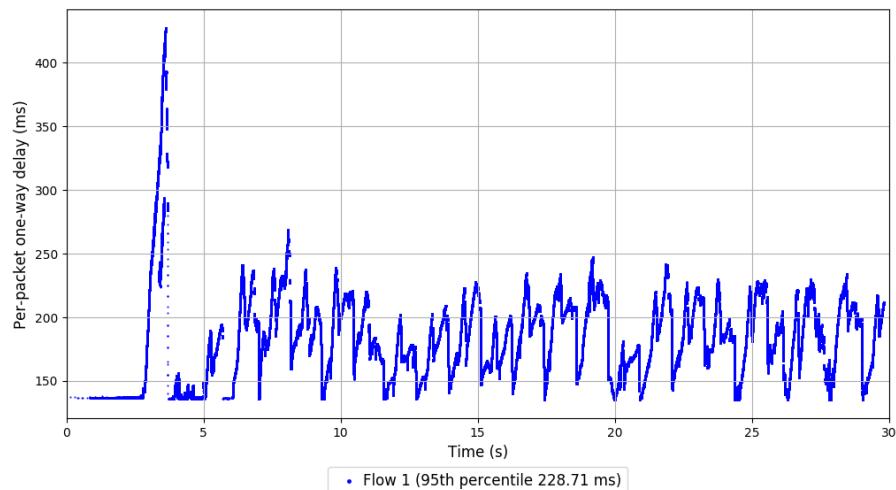
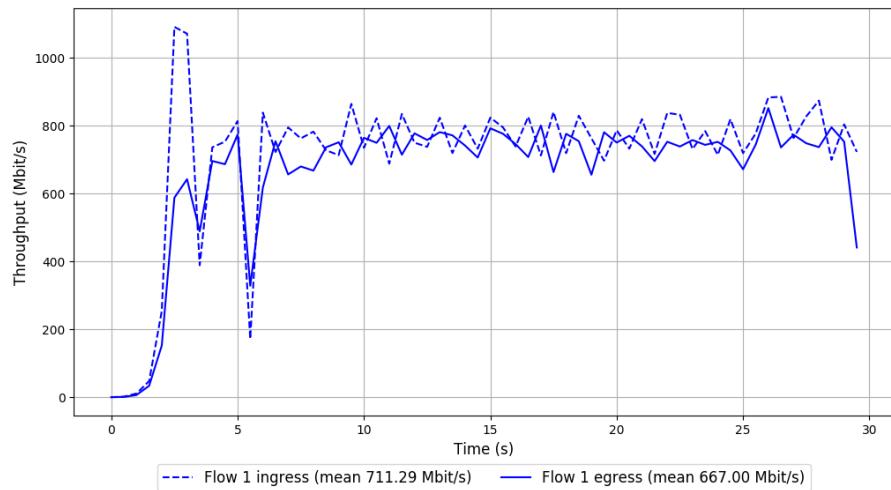
Run 7: Statistics of FillP

Start at: 2018-04-10 21:13:17

End at: 2018-04-10 21:13:47

```
# Below is generated by plot.py at 2018-04-11 01:34:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 667.00 Mbit/s
95th percentile per-packet one-way delay: 228.712 ms
Loss rate: 7.08%
-- Flow 1:
Average throughput: 667.00 Mbit/s
95th percentile per-packet one-way delay: 228.712 ms
Loss rate: 7.08%
```

Run 7: Report of FillP — Data Link



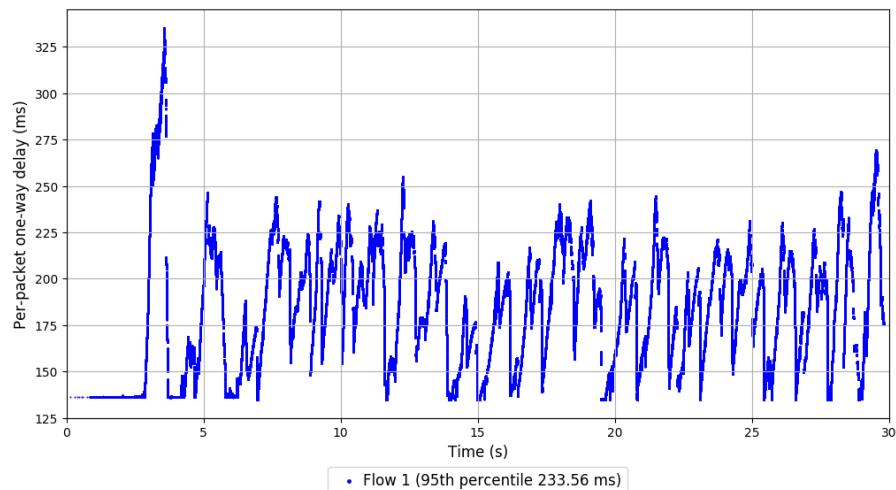
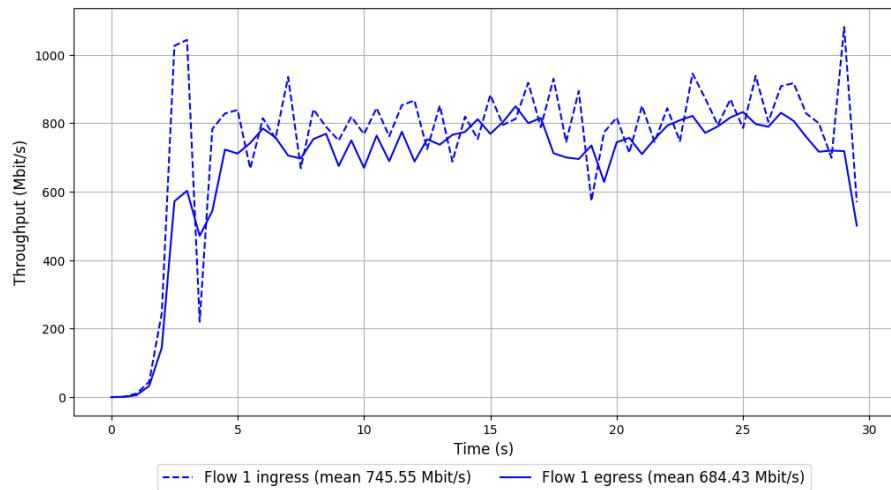
Run 8: Statistics of FillP

Start at: 2018-04-10 21:29:03

End at: 2018-04-10 21:29:33

```
# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 684.43 Mbit/s
95th percentile per-packet one-way delay: 233.562 ms
Loss rate: 9.03%
-- Flow 1:
Average throughput: 684.43 Mbit/s
95th percentile per-packet one-way delay: 233.562 ms
Loss rate: 9.03%
```

Run 8: Report of FillP — Data Link



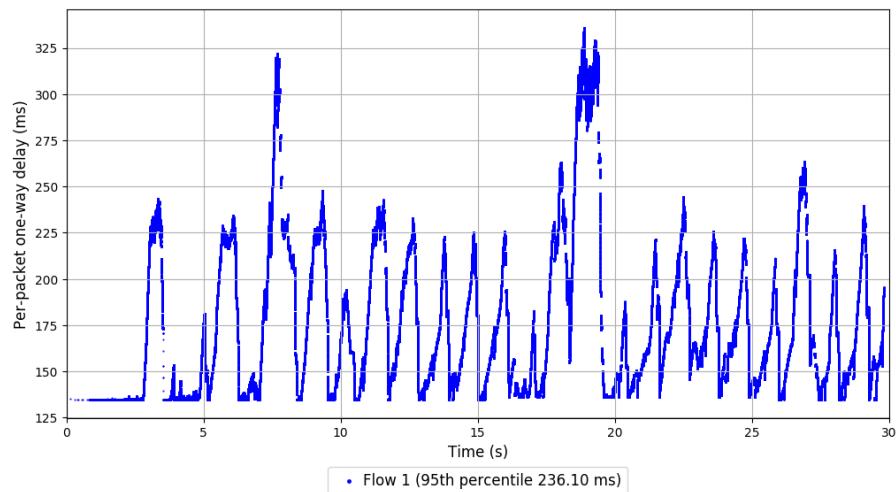
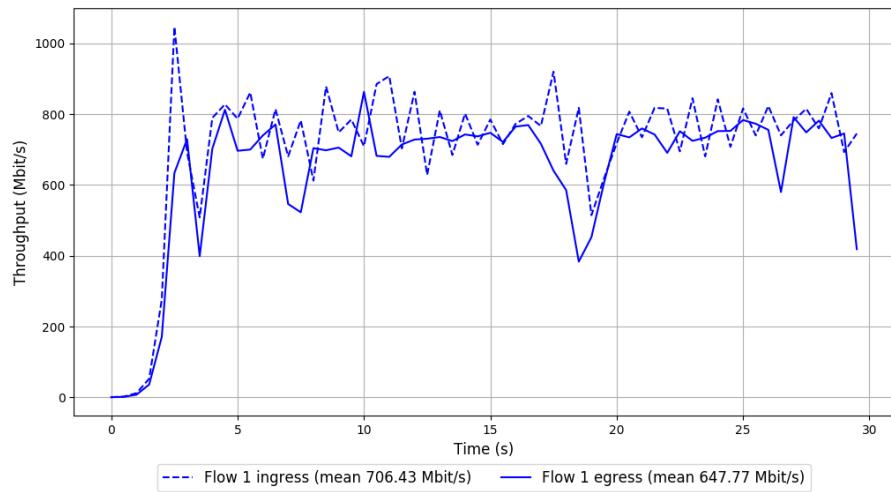
Run 9: Statistics of FillP

Start at: 2018-04-10 21:44:44

End at: 2018-04-10 21:45:14

```
# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 647.77 Mbit/s
95th percentile per-packet one-way delay: 236.096 ms
Loss rate: 9.13%
-- Flow 1:
Average throughput: 647.77 Mbit/s
95th percentile per-packet one-way delay: 236.096 ms
Loss rate: 9.13%
```

Run 9: Report of FillP — Data Link



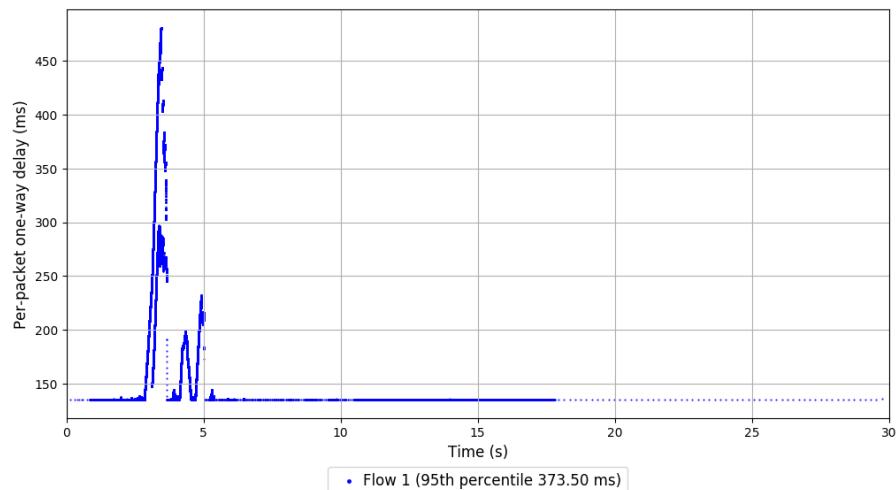
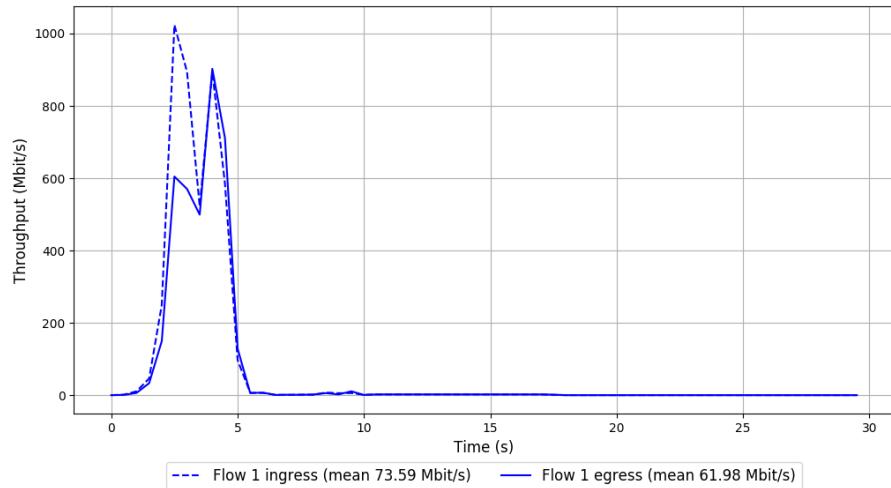
Run 10: Statistics of FillP

Start at: 2018-04-10 22:00:14

End at: 2018-04-10 22:00:44

```
# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.98 Mbit/s
95th percentile per-packet one-way delay: 373.497 ms
Loss rate: 16.36%
-- Flow 1:
Average throughput: 61.98 Mbit/s
95th percentile per-packet one-way delay: 373.497 ms
Loss rate: 16.36%
```

Run 10: Report of FillP — Data Link



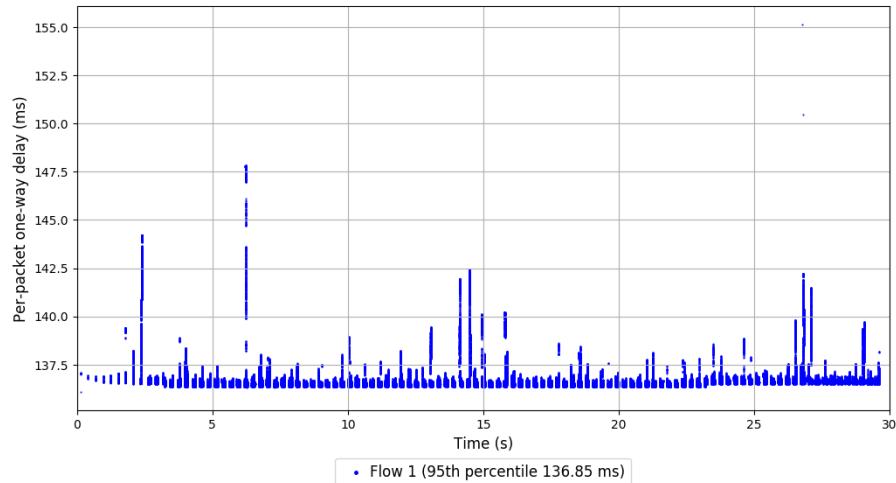
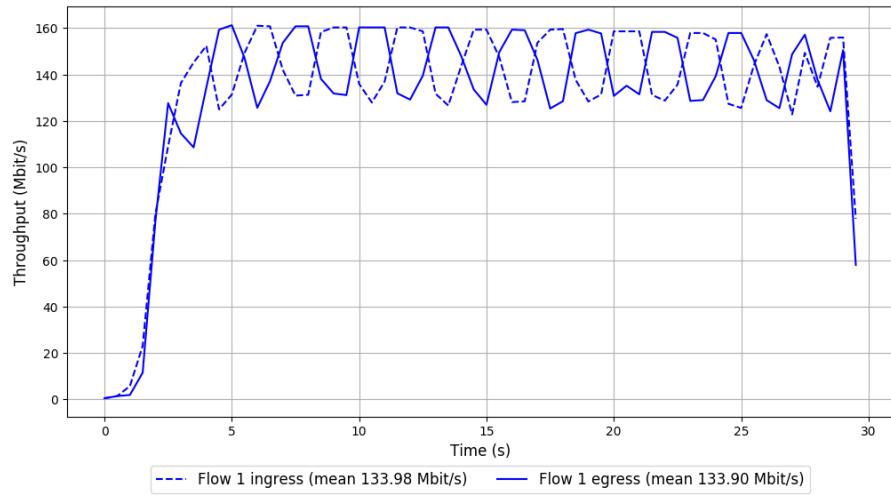
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-10 19:32:36

End at: 2018-04-10 19:33:06

```
# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.90 Mbit/s
95th percentile per-packet one-way delay: 136.855 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 133.90 Mbit/s
95th percentile per-packet one-way delay: 136.855 ms
Loss rate: 0.98%
```

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



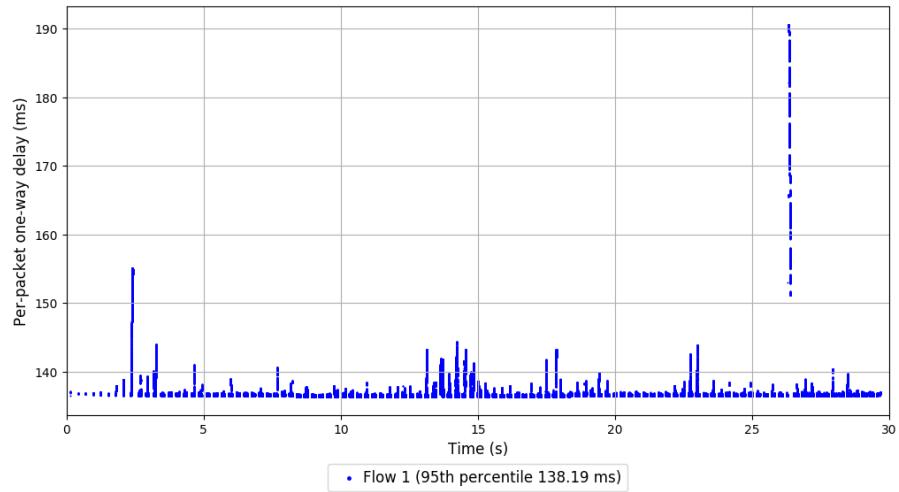
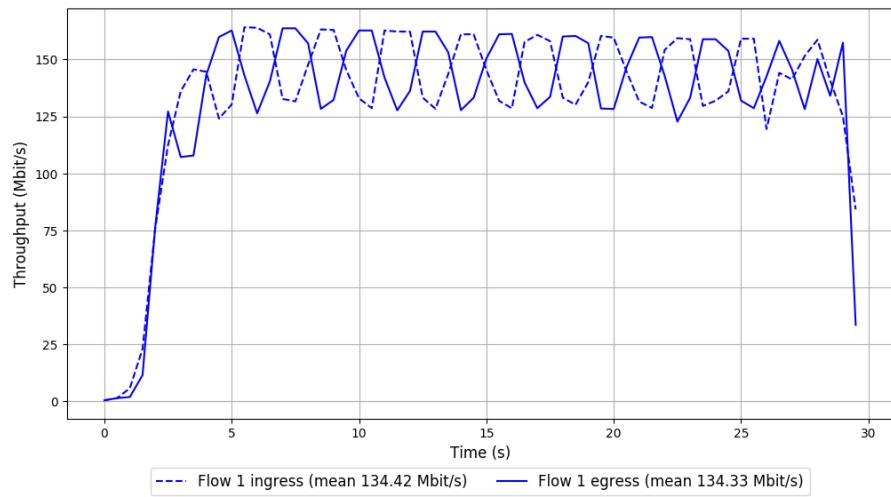
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-10 19:47:51

End at: 2018-04-10 19:48:21

```
# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.33 Mbit/s
95th percentile per-packet one-way delay: 138.186 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 134.33 Mbit/s
95th percentile per-packet one-way delay: 138.186 ms
Loss rate: 0.98%
```

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



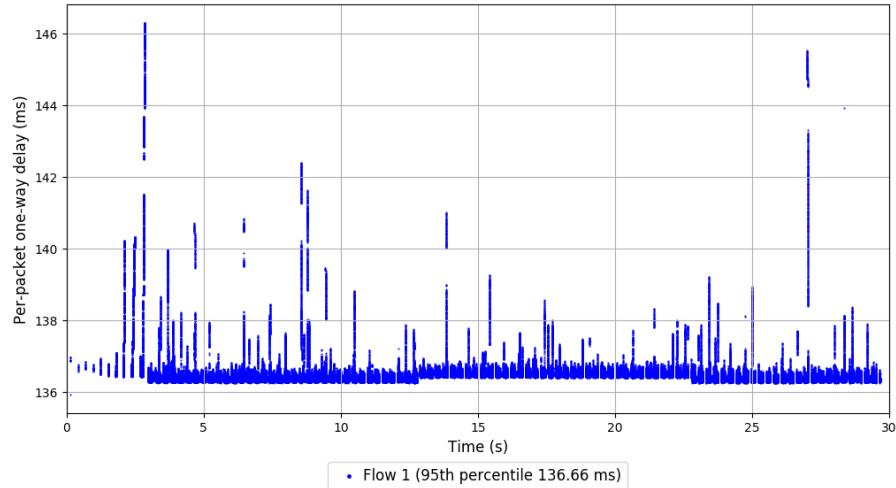
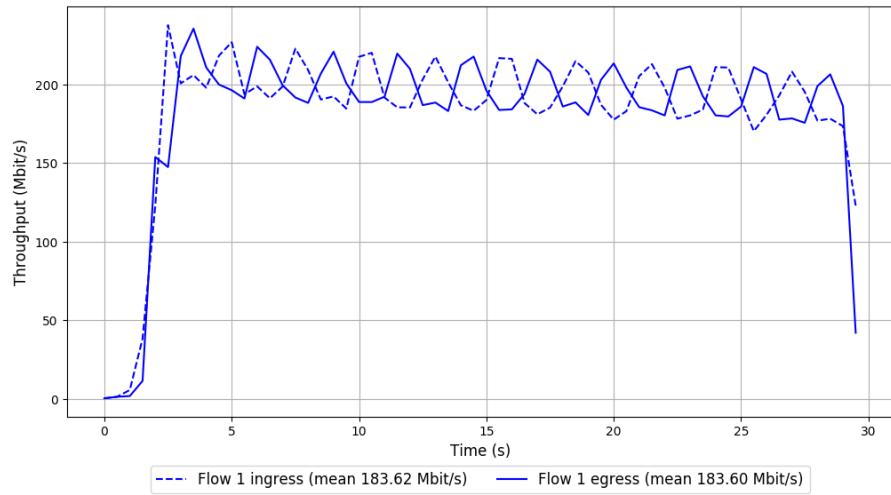
Run 3: Statistics of Indigo-1-32

Start at: 2018-04-10 20:03:16

End at: 2018-04-10 20:03:47

```
# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 183.60 Mbit/s
95th percentile per-packet one-way delay: 136.656 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 183.60 Mbit/s
95th percentile per-packet one-way delay: 136.656 ms
Loss rate: 0.92%
```

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



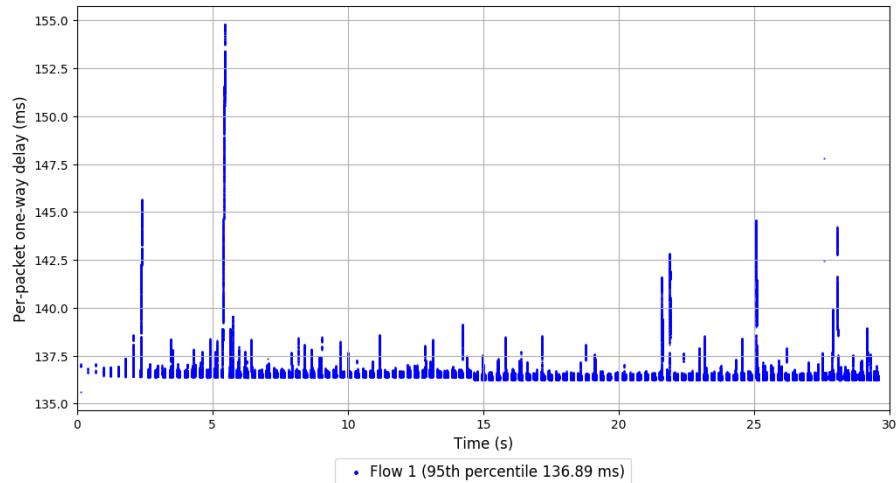
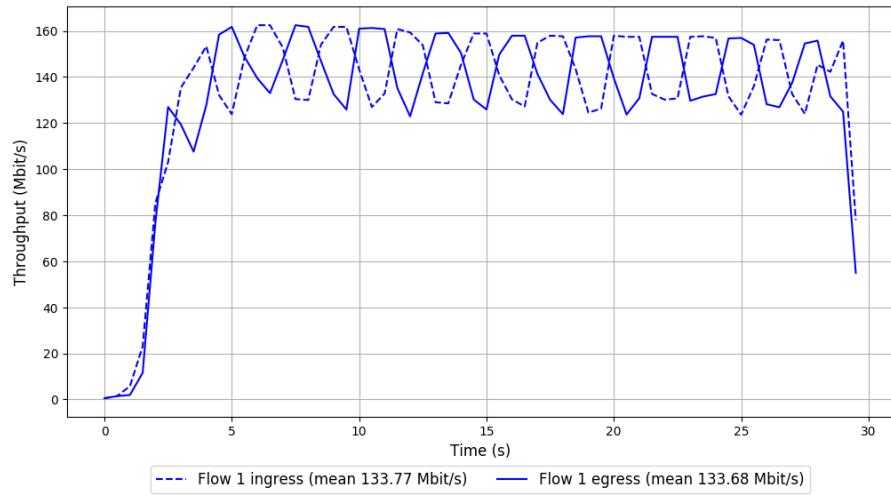
Run 4: Statistics of Indigo-1-32

Start at: 2018-04-10 20:18:35

End at: 2018-04-10 20:19:05

```
# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.68 Mbit/s
95th percentile per-packet one-way delay: 136.887 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 133.68 Mbit/s
95th percentile per-packet one-way delay: 136.887 ms
Loss rate: 0.98%
```

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



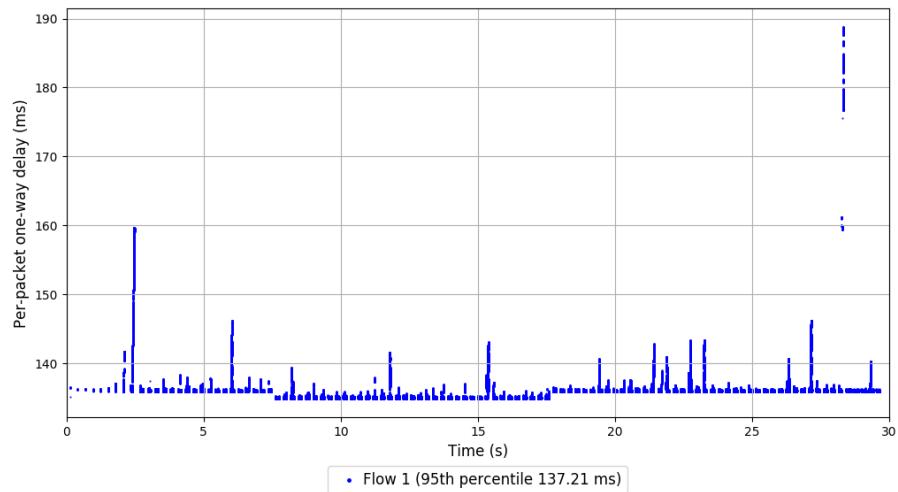
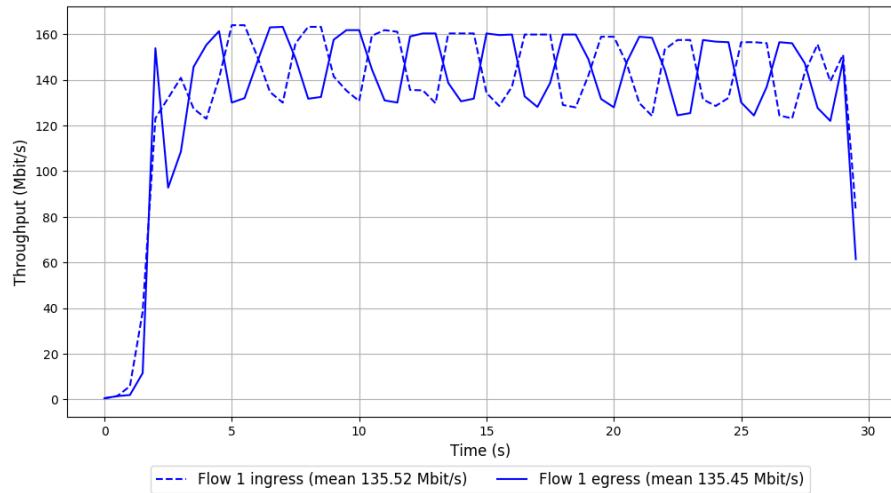
Run 5: Statistics of Indigo-1-32

Start at: 2018-04-10 20:33:52

End at: 2018-04-10 20:34:22

```
# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 135.45 Mbit/s
95th percentile per-packet one-way delay: 137.212 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 135.45 Mbit/s
95th percentile per-packet one-way delay: 137.212 ms
Loss rate: 0.96%
```

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



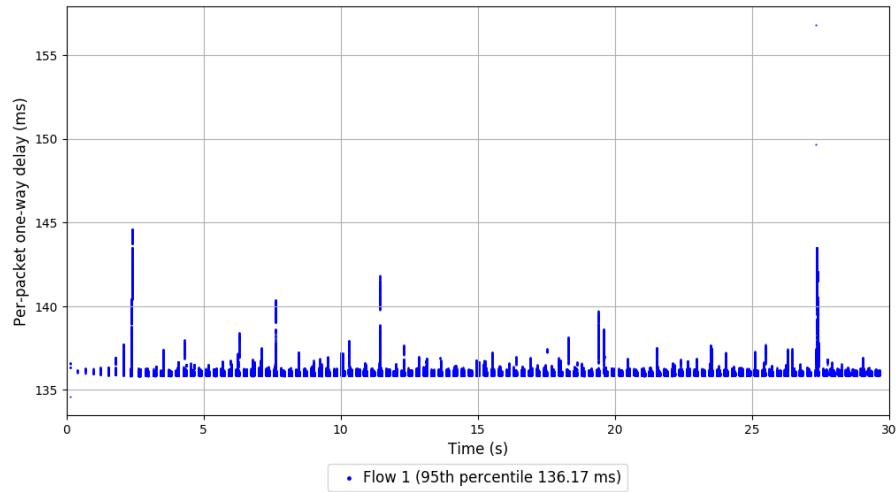
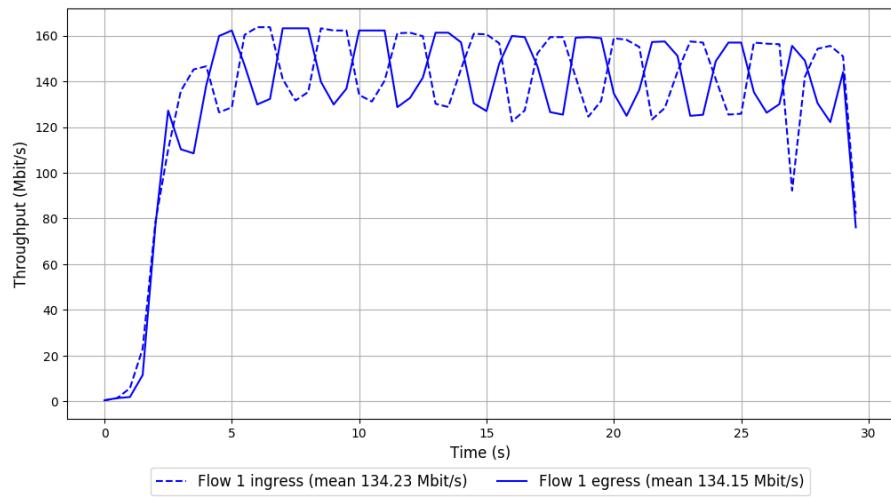
Run 6: Statistics of Indigo-1-32

Start at: 2018-04-10 20:49:36

End at: 2018-04-10 20:50:06

```
# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.15 Mbit/s
95th percentile per-packet one-way delay: 136.170 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 134.15 Mbit/s
95th percentile per-packet one-way delay: 136.170 ms
Loss rate: 0.97%
```

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



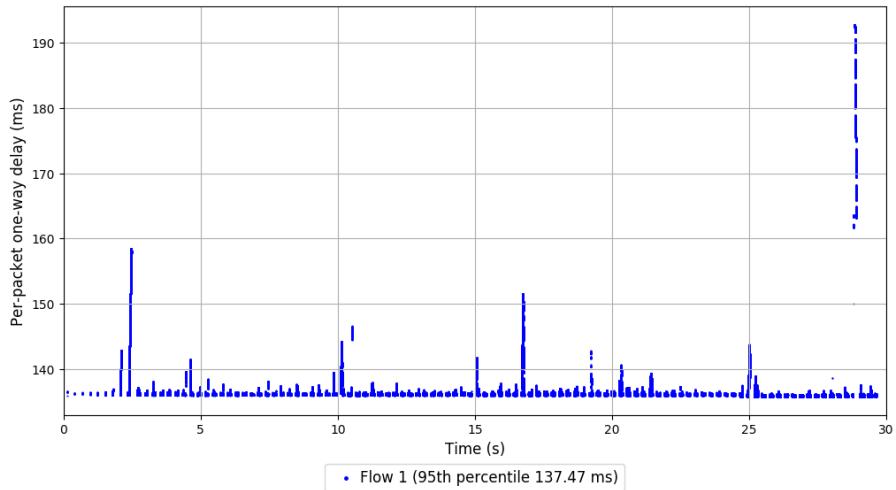
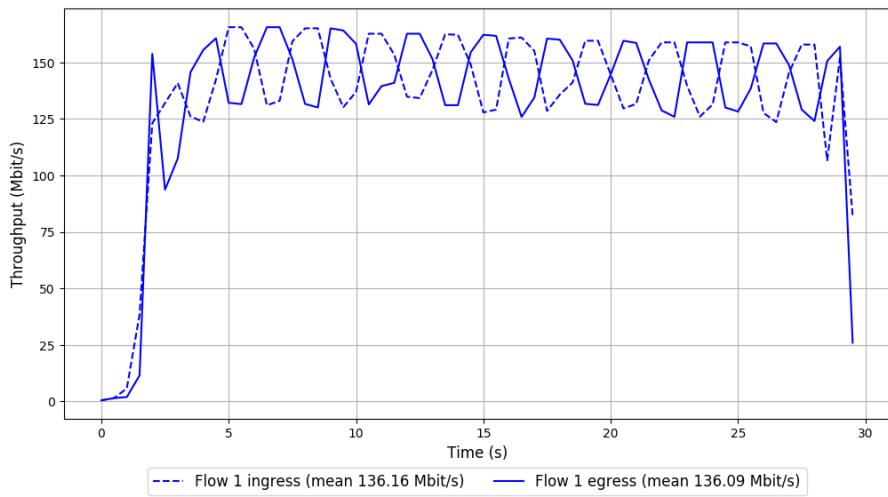
Run 7: Statistics of Indigo-1-32

Start at: 2018-04-10 21:04:55

End at: 2018-04-10 21:05:25

```
# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.09 Mbit/s
95th percentile per-packet one-way delay: 137.468 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 136.09 Mbit/s
95th percentile per-packet one-way delay: 137.468 ms
Loss rate: 0.97%
```

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



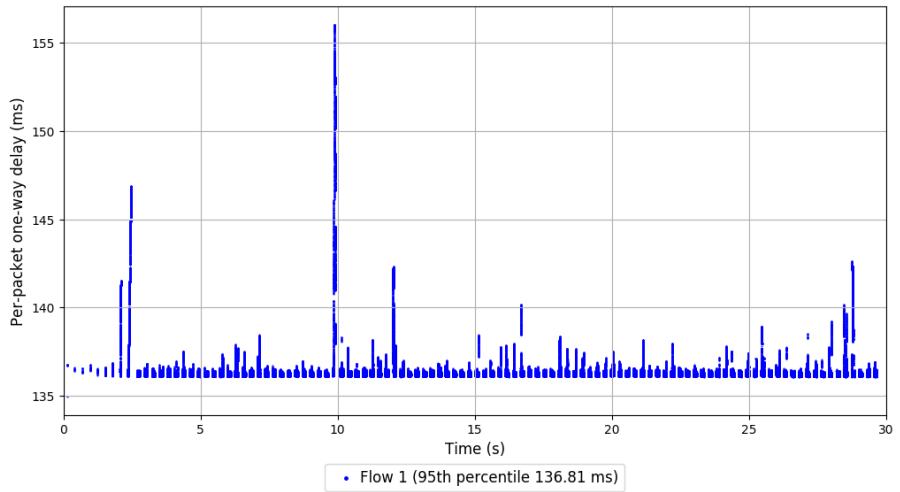
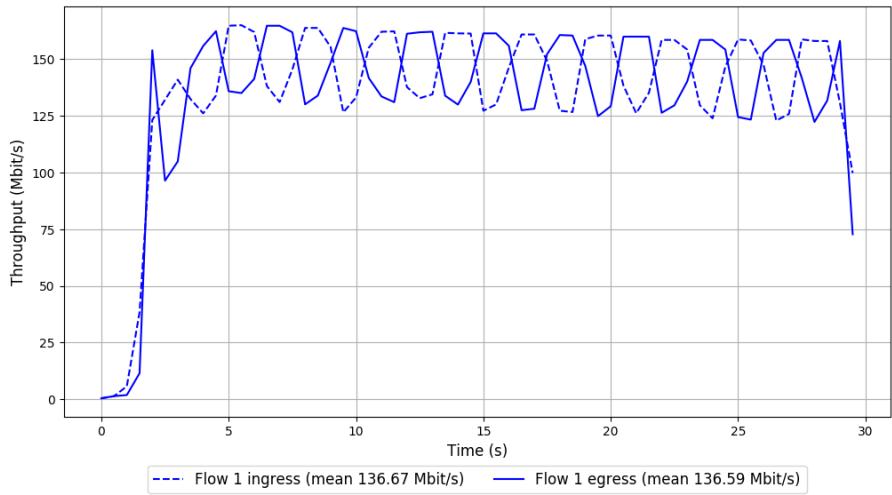
Run 8: Statistics of Indigo-1-32

Start at: 2018-04-10 21:20:43

End at: 2018-04-10 21:21:13

```
# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.59 Mbit/s
95th percentile per-packet one-way delay: 136.805 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 136.59 Mbit/s
95th percentile per-packet one-way delay: 136.805 ms
Loss rate: 0.96%
```

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



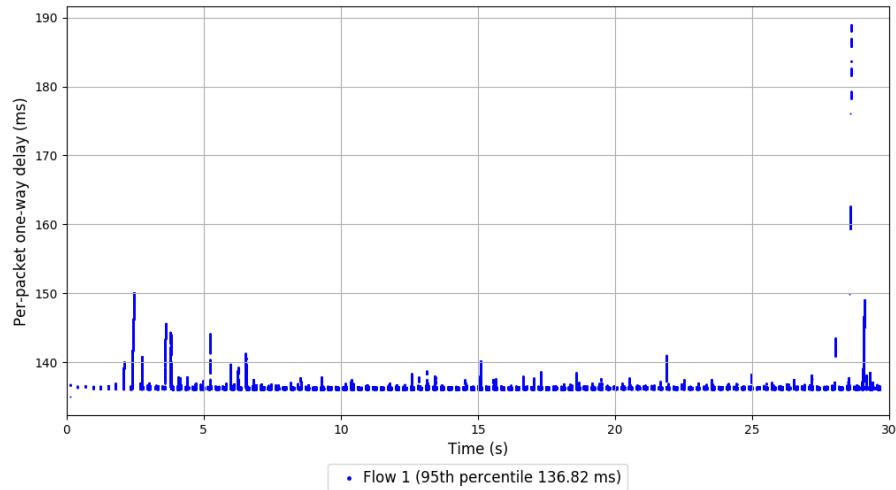
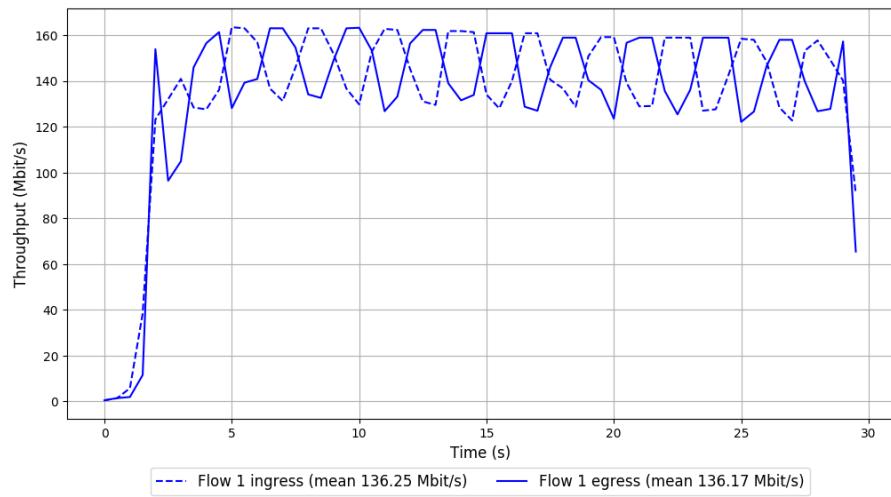
Run 9: Statistics of Indigo-1-32

Start at: 2018-04-10 21:36:11

End at: 2018-04-10 21:36:41

```
# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.17 Mbit/s
95th percentile per-packet one-way delay: 136.819 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 136.17 Mbit/s
95th percentile per-packet one-way delay: 136.819 ms
Loss rate: 0.97%
```

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



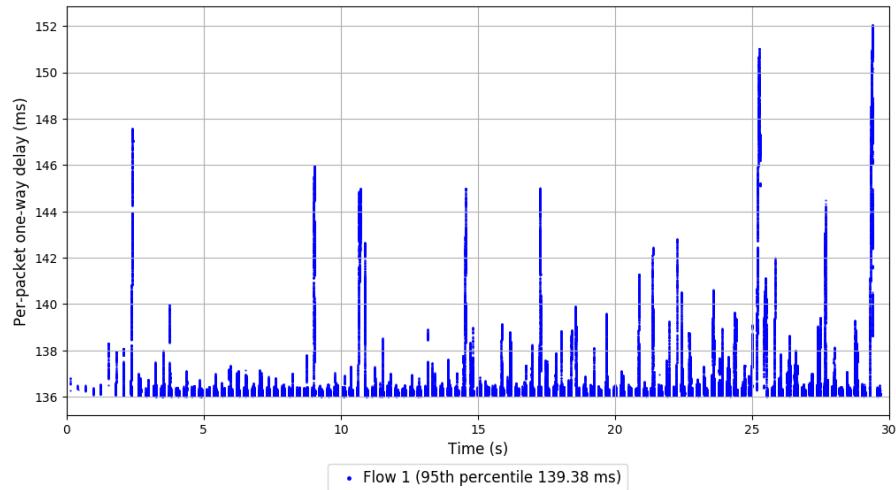
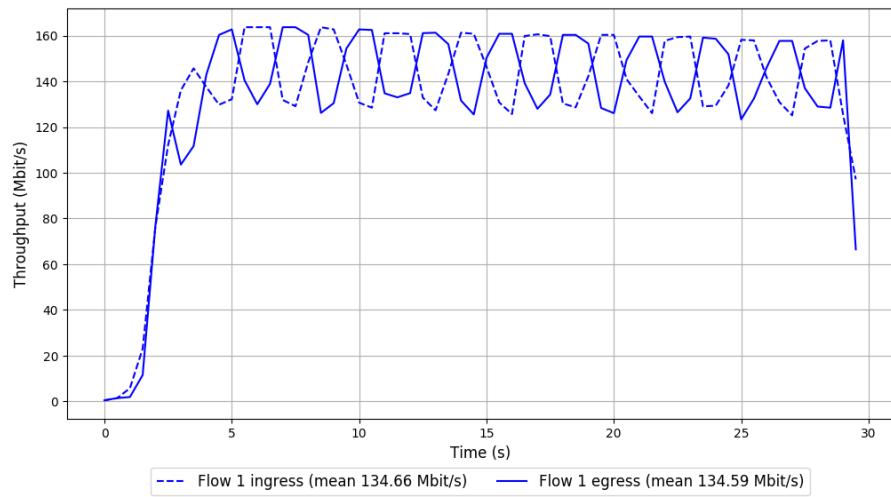
Run 10: Statistics of Indigo-1-32

Start at: 2018-04-10 21:51:46

End at: 2018-04-10 21:52:16

```
# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.59 Mbit/s
95th percentile per-packet one-way delay: 139.385 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 134.59 Mbit/s
95th percentile per-packet one-way delay: 139.385 ms
Loss rate: 0.96%
```

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



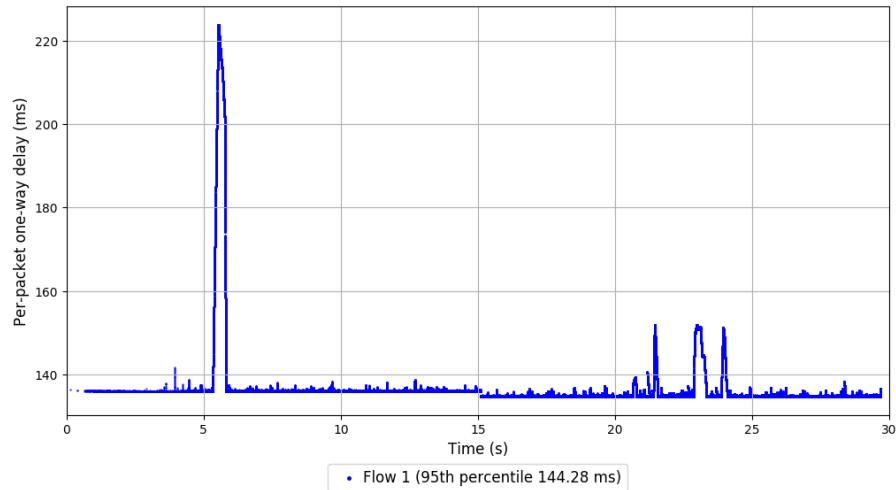
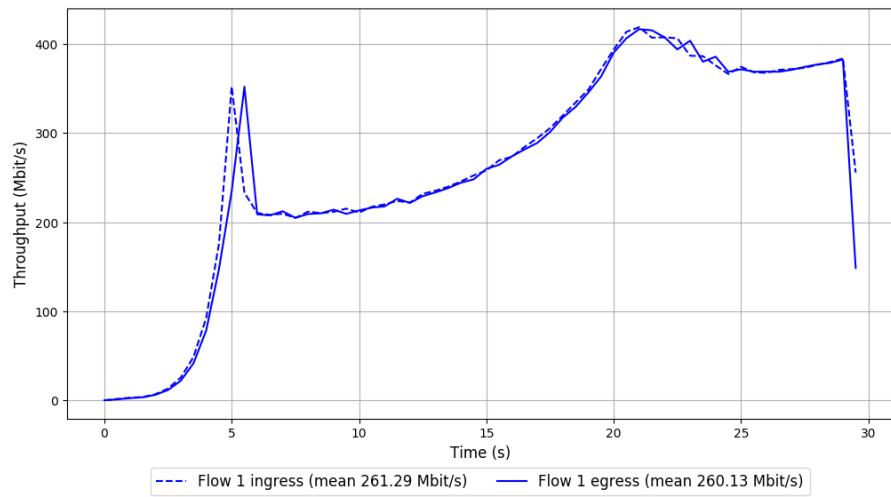
Run 1: Statistics of Vivace-latency

Start at: 2018-04-10 19:44:04

End at: 2018-04-10 19:44:34

```
# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 260.13 Mbit/s
95th percentile per-packet one-way delay: 144.279 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 260.13 Mbit/s
95th percentile per-packet one-way delay: 144.279 ms
Loss rate: 1.35%
```

Run 1: Report of Vivace-latency — Data Link



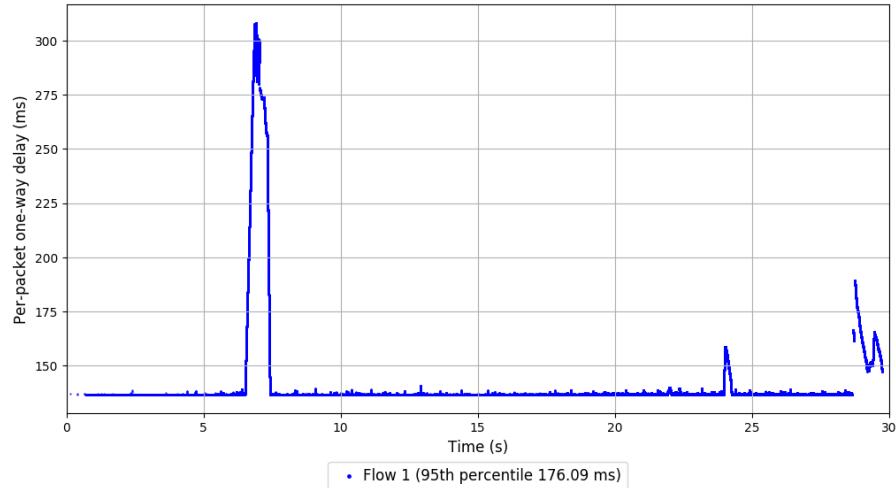
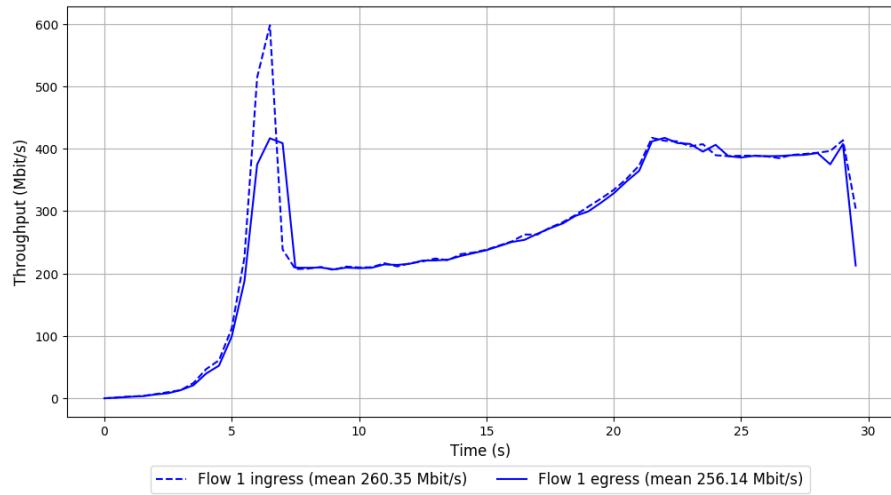
Run 2: Statistics of Vivace-latency

Start at: 2018-04-10 19:59:28

End at: 2018-04-10 19:59:58

```
# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 256.14 Mbit/s
95th percentile per-packet one-way delay: 176.088 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 256.14 Mbit/s
95th percentile per-packet one-way delay: 176.088 ms
Loss rate: 2.52%
```

Run 2: Report of Vivace-latency — Data Link



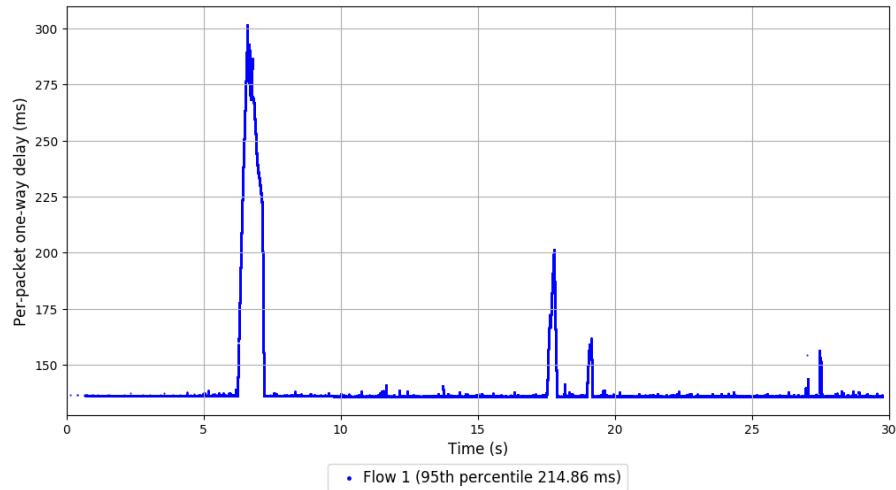
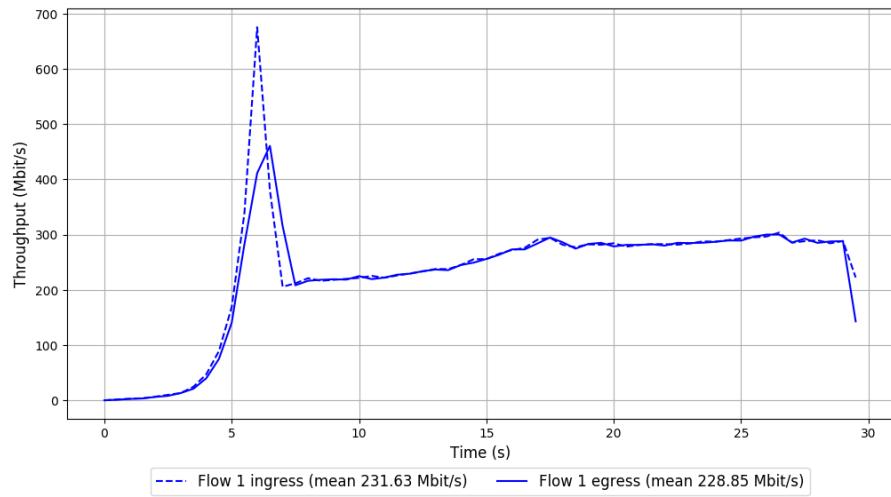
Run 3: Statistics of Vivace-latency

Start at: 2018-04-10 20:14:50

End at: 2018-04-10 20:15:20

```
# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.85 Mbit/s
95th percentile per-packet one-way delay: 214.857 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 228.85 Mbit/s
95th percentile per-packet one-way delay: 214.857 ms
Loss rate: 2.10%
```

Run 3: Report of Vivace-latency — Data Link



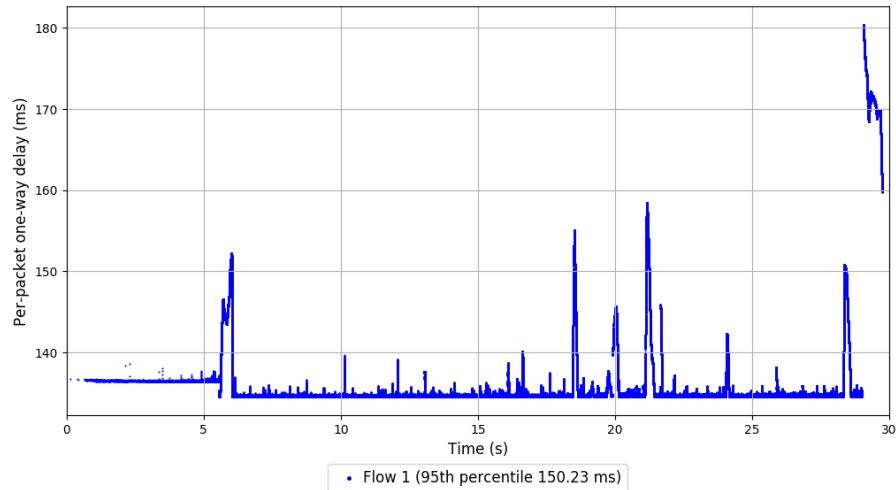
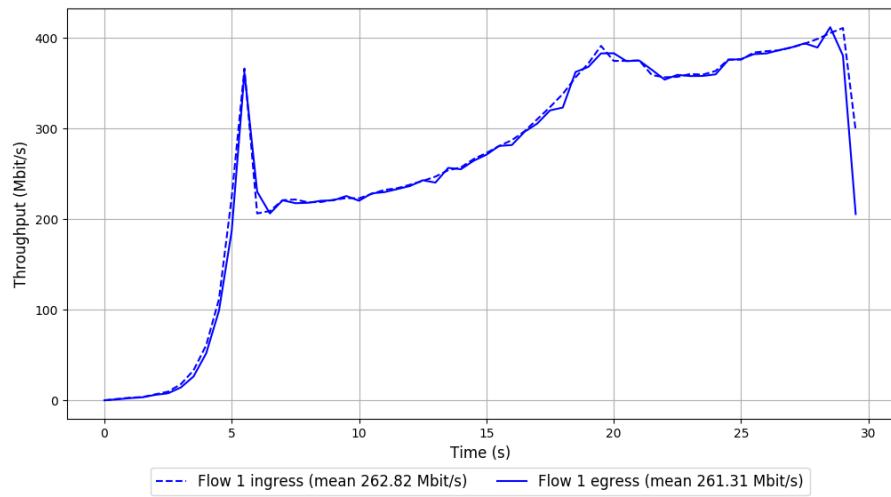
Run 4: Statistics of Vivace-latency

Start at: 2018-04-10 20:30:04

End at: 2018-04-10 20:30:34

```
# Below is generated by plot.py at 2018-04-11 01:34:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 261.31 Mbit/s
95th percentile per-packet one-way delay: 150.229 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 261.31 Mbit/s
95th percentile per-packet one-way delay: 150.229 ms
Loss rate: 1.48%
```

Run 4: Report of Vivace-latency — Data Link



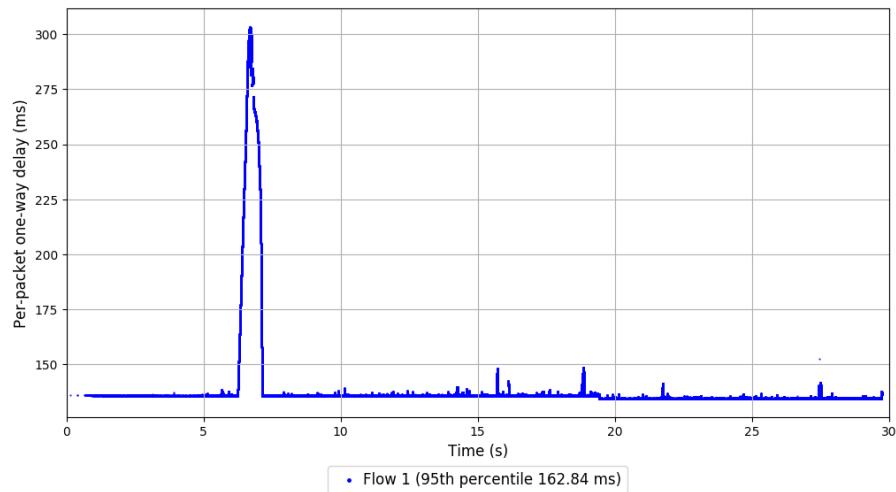
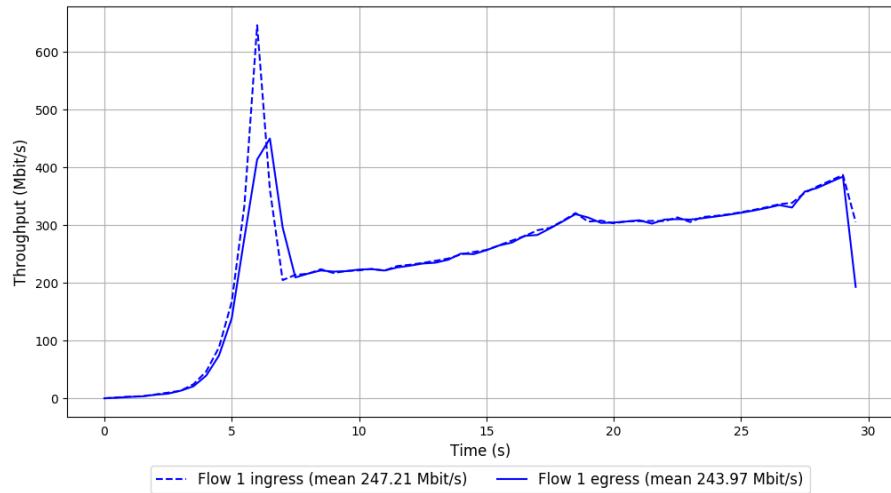
Run 5: Statistics of Vivace-latency

Start at: 2018-04-10 20:45:50

End at: 2018-04-10 20:46:20

```
# Below is generated by plot.py at 2018-04-11 01:37:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 243.97 Mbit/s
95th percentile per-packet one-way delay: 162.840 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 243.97 Mbit/s
95th percentile per-packet one-way delay: 162.840 ms
Loss rate: 2.21%
```

Run 5: Report of Vivace-latency — Data Link



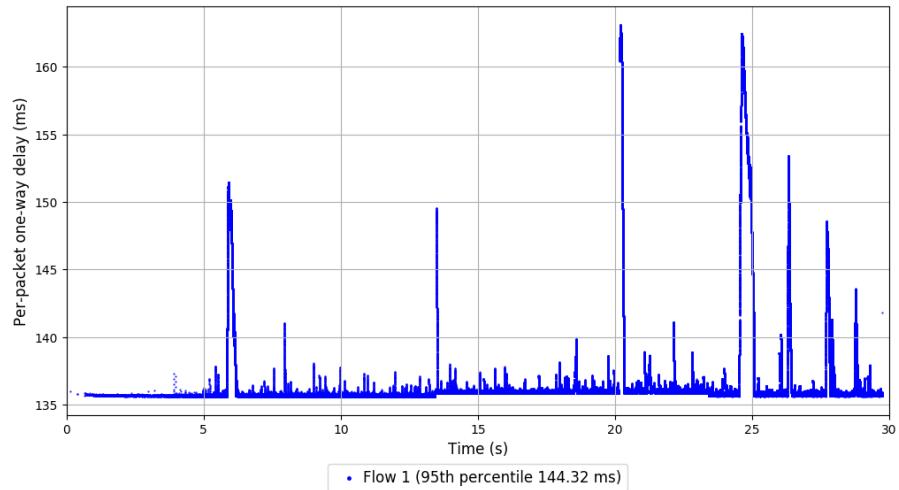
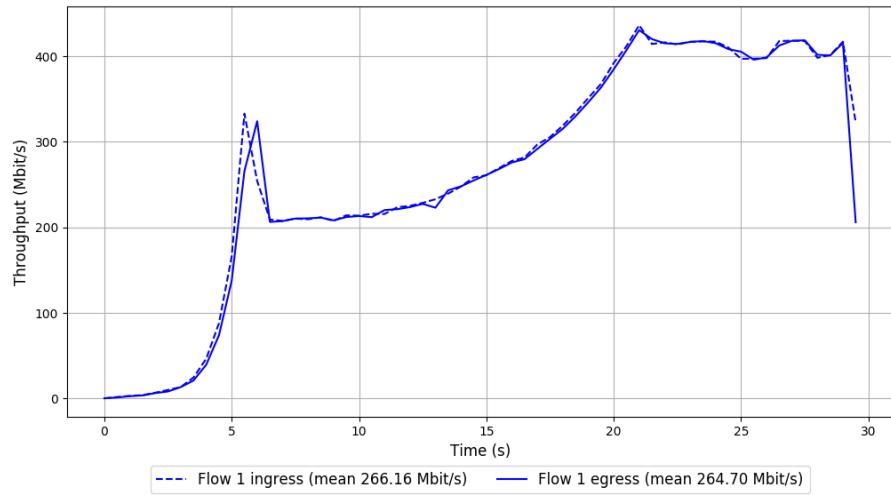
Run 6: Statistics of Vivace-latency

Start at: 2018-04-10 21:01:06

End at: 2018-04-10 21:01:36

```
# Below is generated by plot.py at 2018-04-11 01:38:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 264.70 Mbit/s
95th percentile per-packet one-way delay: 144.324 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 264.70 Mbit/s
95th percentile per-packet one-way delay: 144.324 ms
Loss rate: 1.43%
```

Run 6: Report of Vivace-latency — Data Link



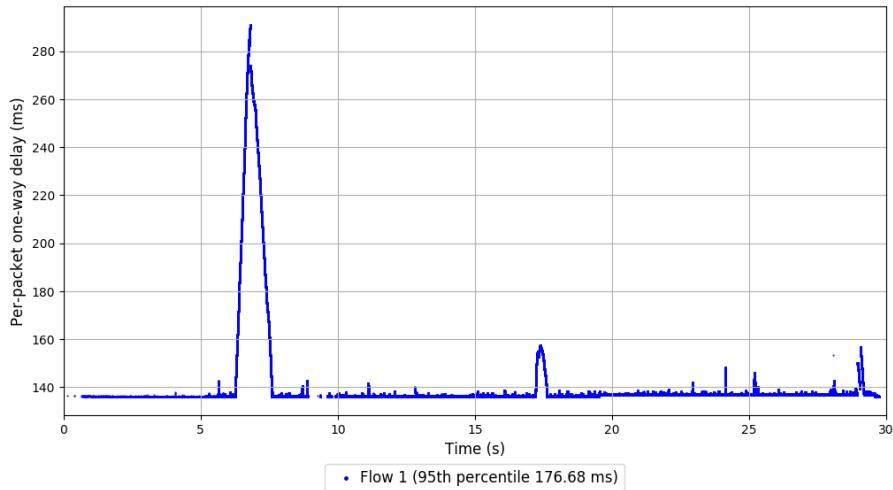
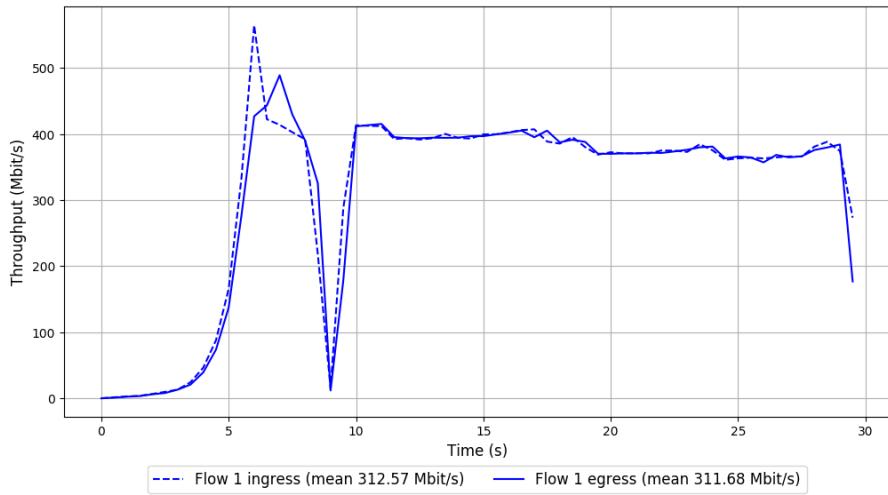
Run 7: Statistics of Vivace-latency

Start at: 2018-04-10 21:16:50

End at: 2018-04-10 21:17:20

```
# Below is generated by plot.py at 2018-04-11 01:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 311.68 Mbit/s
95th percentile per-packet one-way delay: 176.684 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 311.68 Mbit/s
95th percentile per-packet one-way delay: 176.684 ms
Loss rate: 1.19%
```

Run 7: Report of Vivace-latency — Data Link



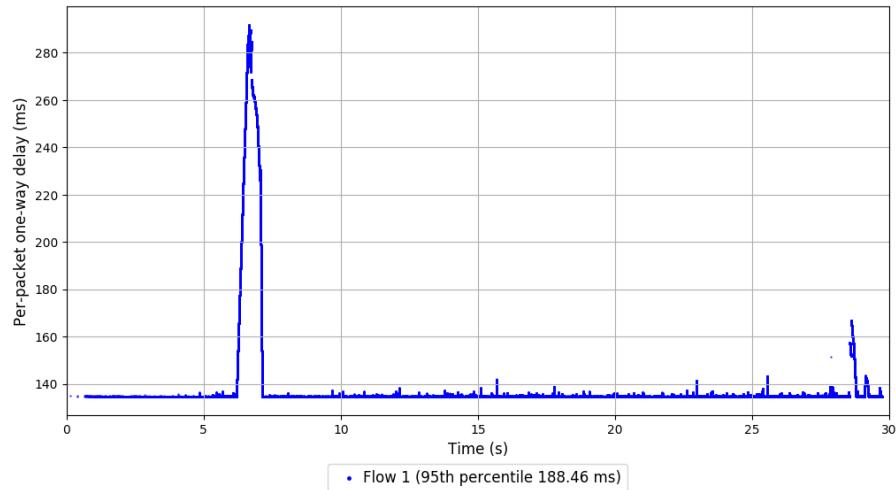
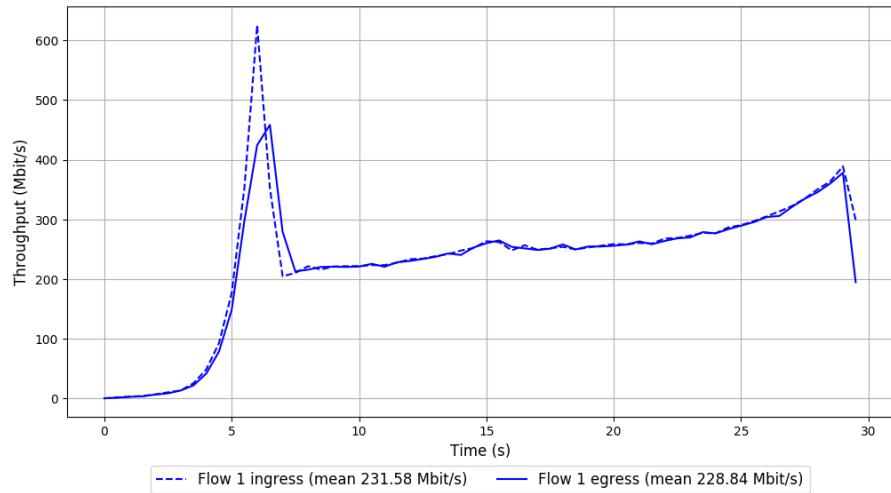
Run 8: Statistics of Vivace-latency

Start at: 2018-04-10 21:32:23

End at: 2018-04-10 21:32:53

```
# Below is generated by plot.py at 2018-04-11 01:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.84 Mbit/s
95th percentile per-packet one-way delay: 188.462 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 228.84 Mbit/s
95th percentile per-packet one-way delay: 188.462 ms
Loss rate: 2.08%
```

Run 8: Report of Vivace-latency — Data Link



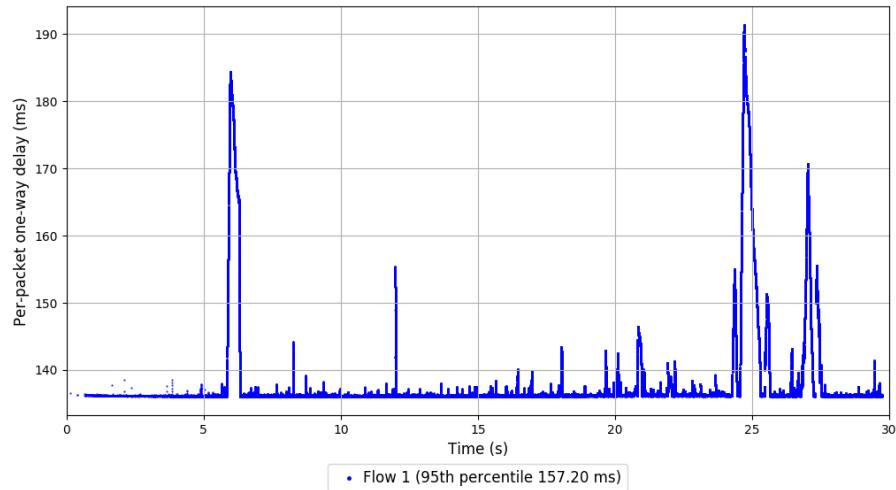
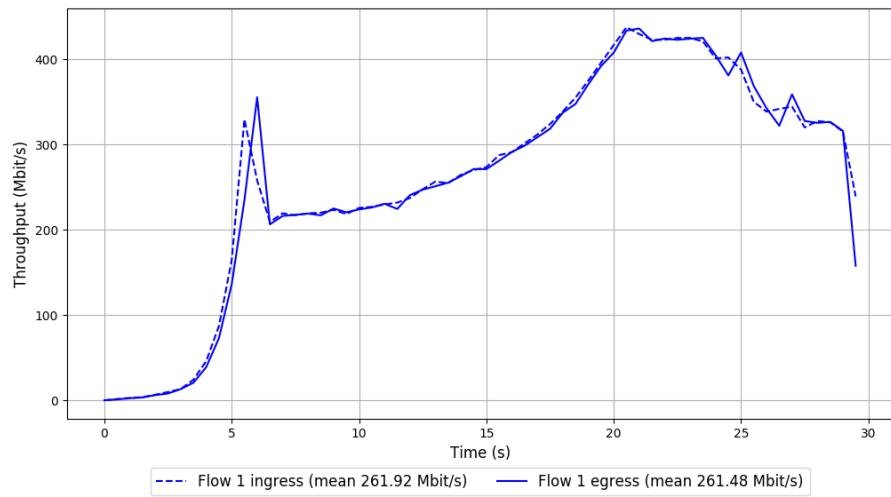
Run 9: Statistics of Vivace-latency

Start at: 2018-04-10 21:48:02

End at: 2018-04-10 21:48:32

```
# Below is generated by plot.py at 2018-04-11 01:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 261.48 Mbit/s
95th percentile per-packet one-way delay: 157.196 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 261.48 Mbit/s
95th percentile per-packet one-way delay: 157.196 ms
Loss rate: 1.08%
```

Run 9: Report of Vivace-latency — Data Link



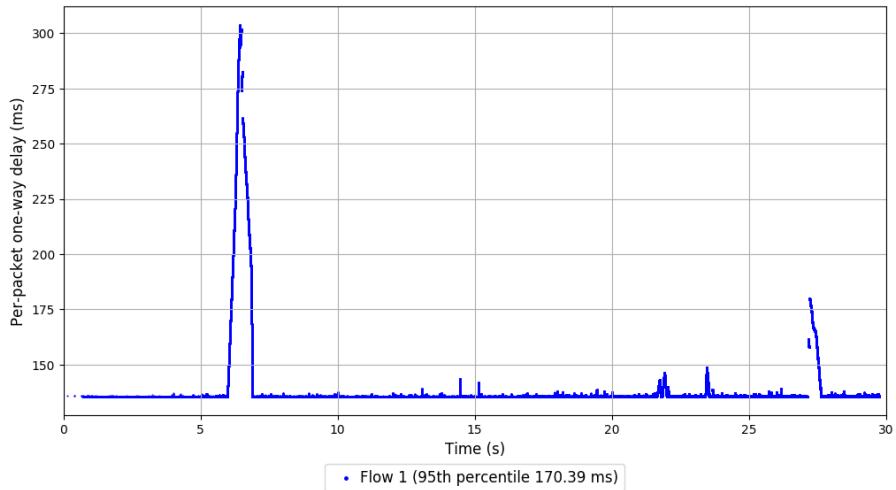
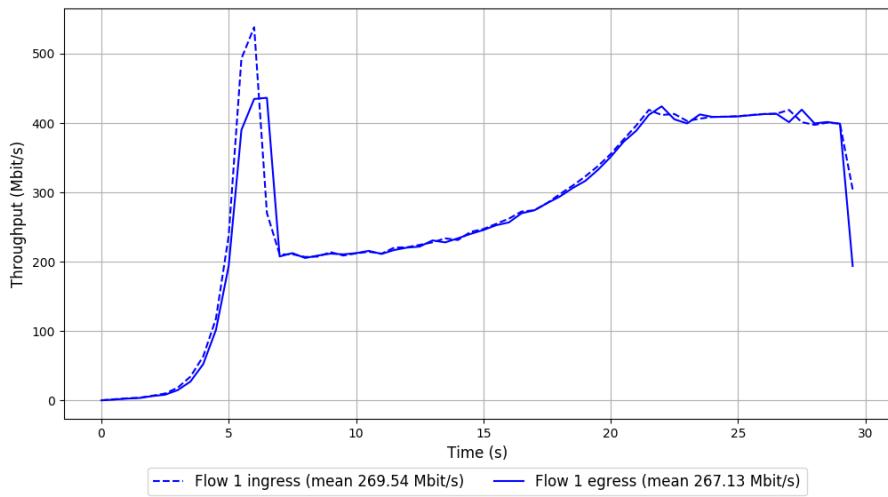
Run 10: Statistics of Vivace-latency

Start at: 2018-04-10 22:03:28

End at: 2018-04-10 22:03:58

```
# Below is generated by plot.py at 2018-04-11 01:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 267.13 Mbit/s
95th percentile per-packet one-way delay: 170.387 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 267.13 Mbit/s
95th percentile per-packet one-way delay: 170.387 ms
Loss rate: 1.79%
```

Run 10: Report of Vivace-latency — Data Link



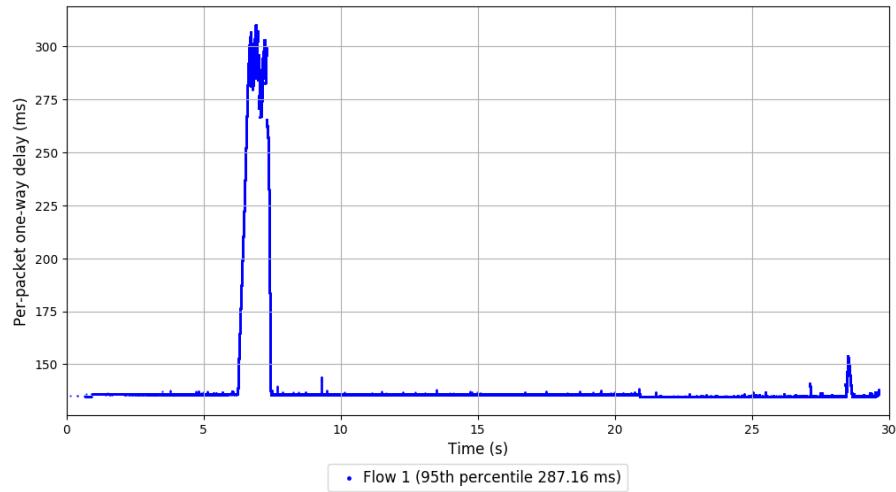
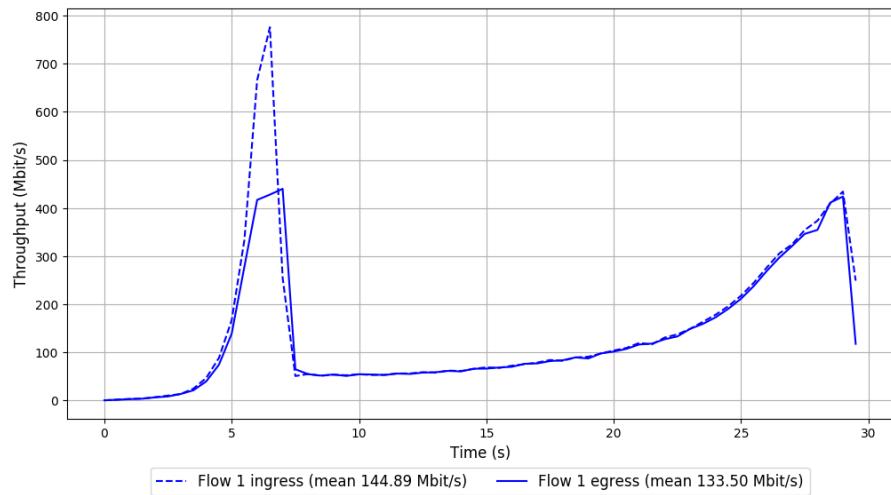
Run 1: Statistics of Vivace-loss

Start at: 2018-04-10 19:33:28

End at: 2018-04-10 19:33:58

```
# Below is generated by plot.py at 2018-04-11 01:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.50 Mbit/s
95th percentile per-packet one-way delay: 287.158 ms
Loss rate: 8.70%
-- Flow 1:
Average throughput: 133.50 Mbit/s
95th percentile per-packet one-way delay: 287.158 ms
Loss rate: 8.70%
```

Run 1: Report of Vivace-loss — Data Link



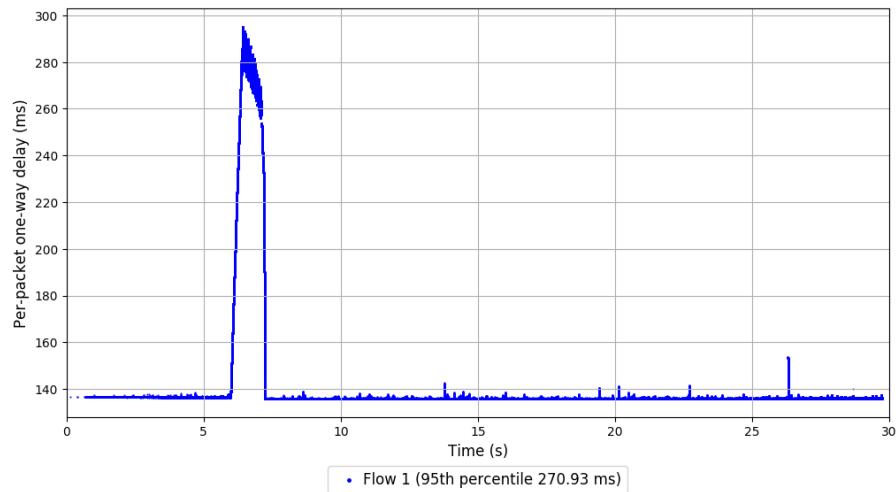
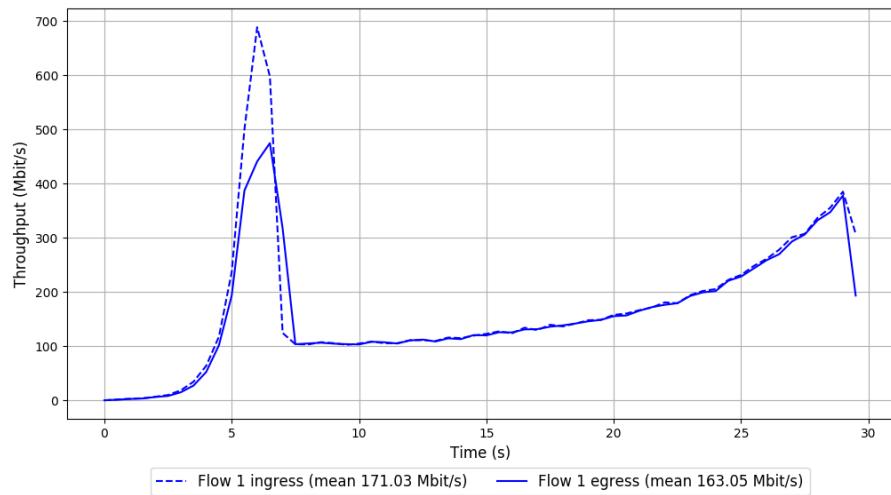
Run 2: Statistics of Vivace-loss

Start at: 2018-04-10 19:48:43

End at: 2018-04-10 19:49:13

```
# Below is generated by plot.py at 2018-04-11 01:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 163.05 Mbit/s
95th percentile per-packet one-way delay: 270.933 ms
Loss rate: 5.54%
-- Flow 1:
Average throughput: 163.05 Mbit/s
95th percentile per-packet one-way delay: 270.933 ms
Loss rate: 5.54%
```

Run 2: Report of Vivace-loss — Data Link



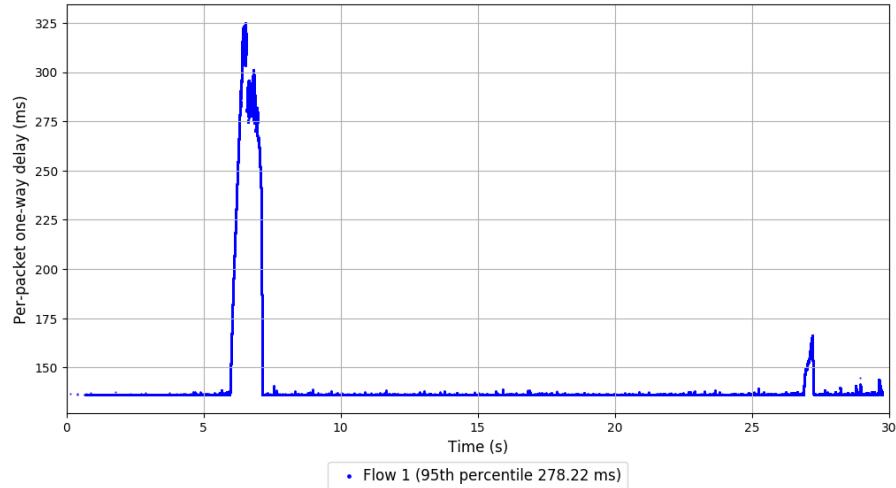
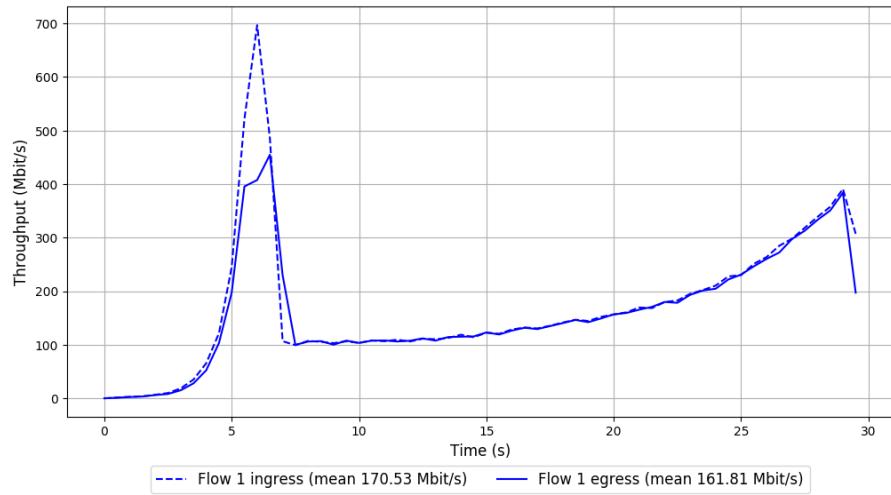
Run 3: Statistics of Vivace-loss

Start at: 2018-04-10 20:04:12

End at: 2018-04-10 20:04:42

```
# Below is generated by plot.py at 2018-04-11 01:40:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 161.81 Mbit/s
95th percentile per-packet one-way delay: 278.222 ms
Loss rate: 5.98%
-- Flow 1:
Average throughput: 161.81 Mbit/s
95th percentile per-packet one-way delay: 278.222 ms
Loss rate: 5.98%
```

Run 3: Report of Vivace-loss — Data Link



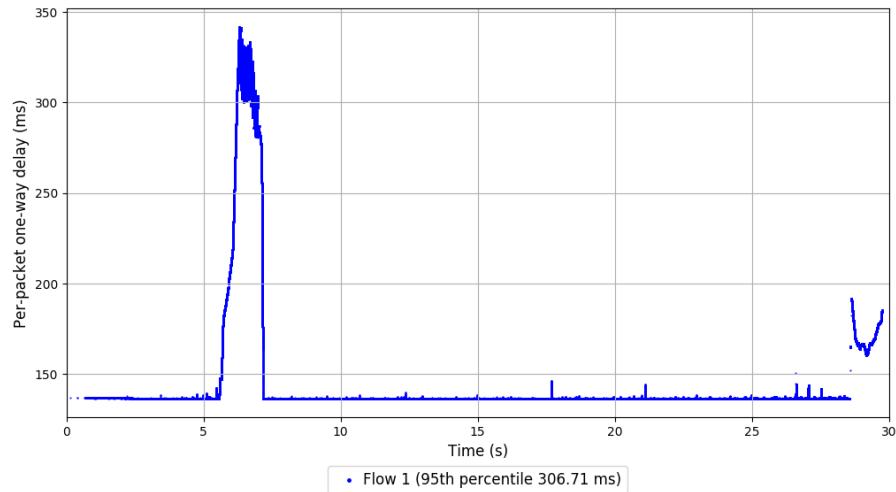
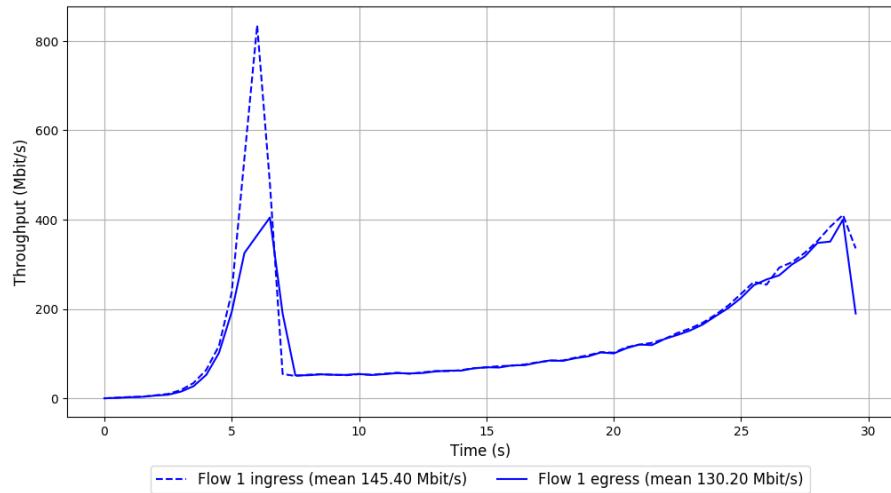
Run 4: Statistics of Vivace-loss

Start at: 2018-04-10 20:19:27

End at: 2018-04-10 20:19:57

```
# Below is generated by plot.py at 2018-04-11 01:40:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 130.20 Mbit/s
95th percentile per-packet one-way delay: 306.709 ms
Loss rate: 11.27%
-- Flow 1:
Average throughput: 130.20 Mbit/s
95th percentile per-packet one-way delay: 306.709 ms
Loss rate: 11.27%
```

Run 4: Report of Vivace-loss — Data Link



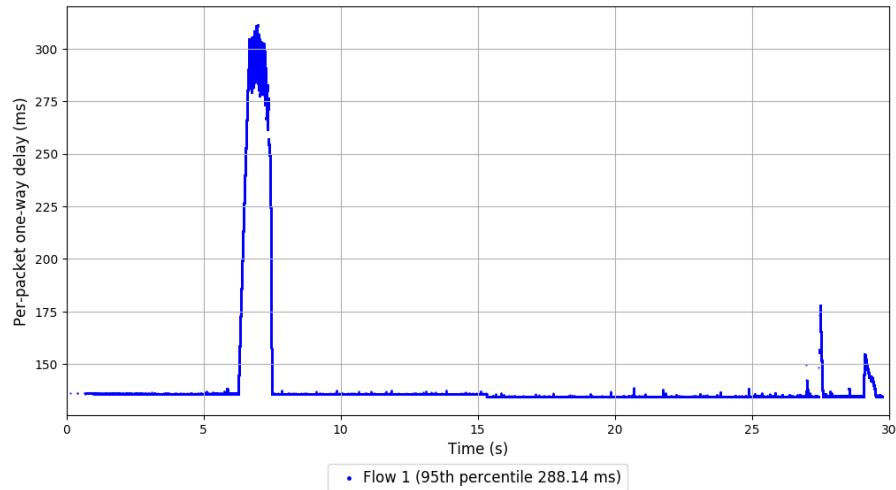
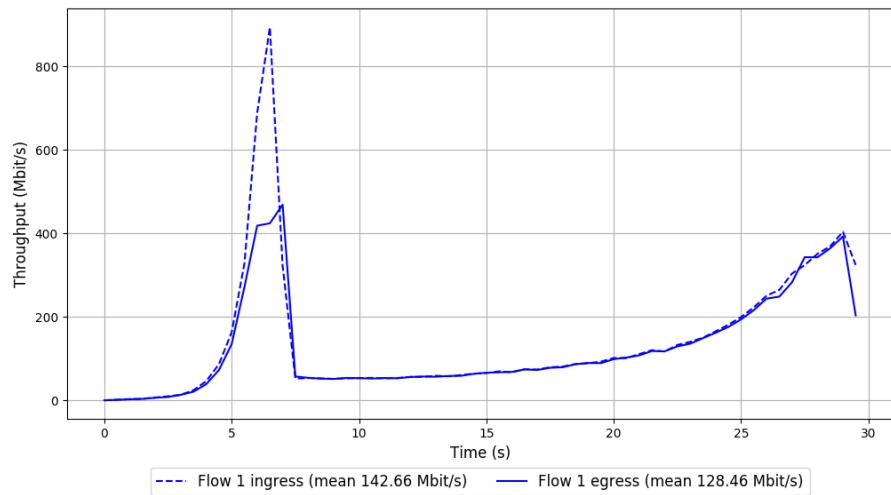
Run 5: Statistics of Vivace-loss

Start at: 2018-04-10 20:34:44

End at: 2018-04-10 20:35:14

```
# Below is generated by plot.py at 2018-04-11 01:40:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 128.46 Mbit/s
95th percentile per-packet one-way delay: 288.143 ms
Loss rate: 10.77%
-- Flow 1:
Average throughput: 128.46 Mbit/s
95th percentile per-packet one-way delay: 288.143 ms
Loss rate: 10.77%
```

Run 5: Report of Vivace-loss — Data Link



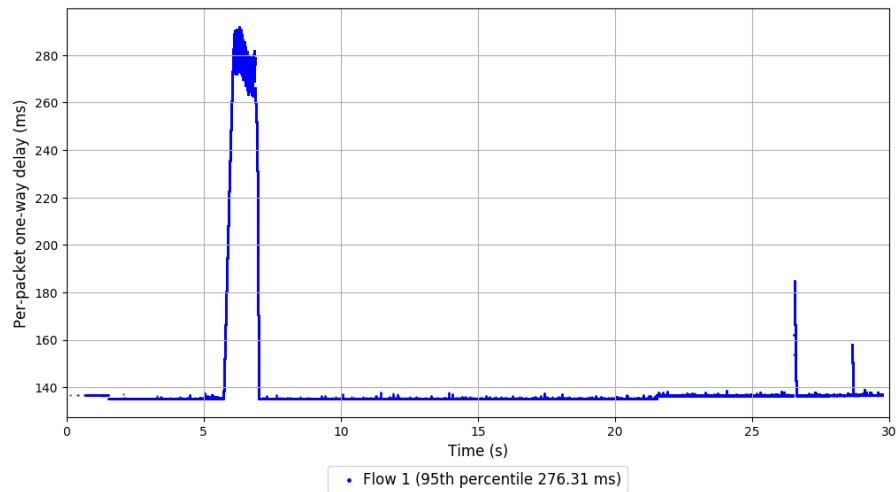
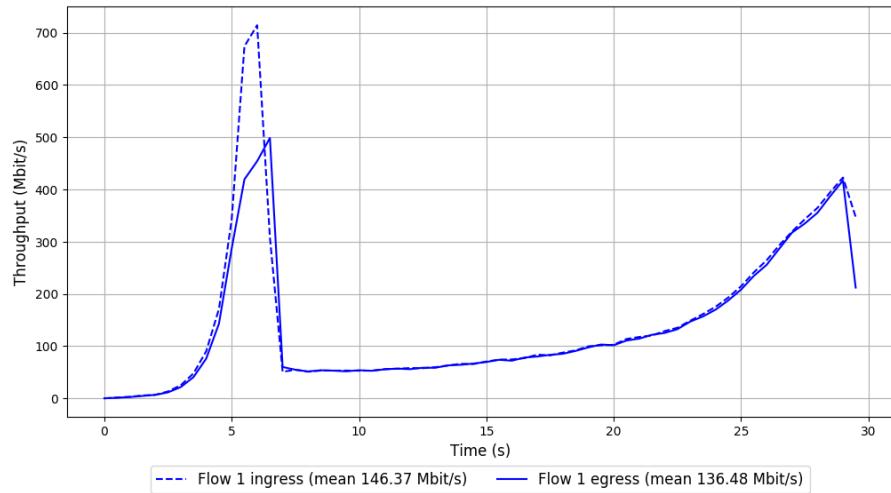
Run 6: Statistics of Vivace-loss

Start at: 2018-04-10 20:50:28

End at: 2018-04-10 20:50:58

```
# Below is generated by plot.py at 2018-04-11 01:40:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.48 Mbit/s
95th percentile per-packet one-way delay: 276.305 ms
Loss rate: 7.61%
-- Flow 1:
Average throughput: 136.48 Mbit/s
95th percentile per-packet one-way delay: 276.305 ms
Loss rate: 7.61%
```

Run 6: Report of Vivace-loss — Data Link



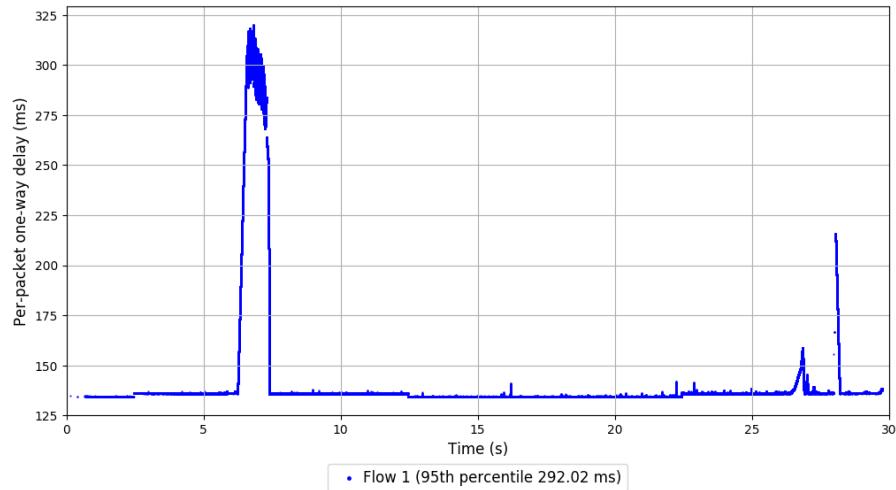
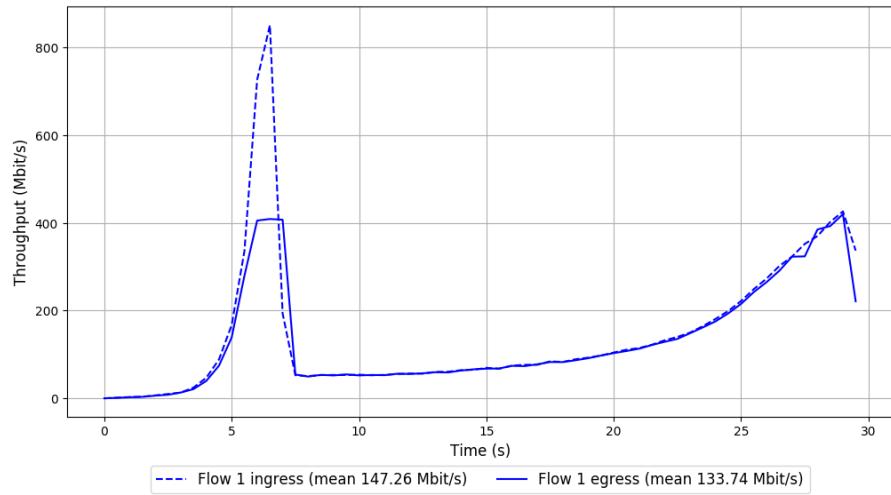
Run 7: Statistics of Vivace-loss

Start at: 2018-04-10 21:05:47

End at: 2018-04-10 21:06:17

```
# Below is generated by plot.py at 2018-04-11 01:41:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.74 Mbit/s
95th percentile per-packet one-way delay: 292.018 ms
Loss rate: 10.01%
-- Flow 1:
Average throughput: 133.74 Mbit/s
95th percentile per-packet one-way delay: 292.018 ms
Loss rate: 10.01%
```

Run 7: Report of Vivace-loss — Data Link



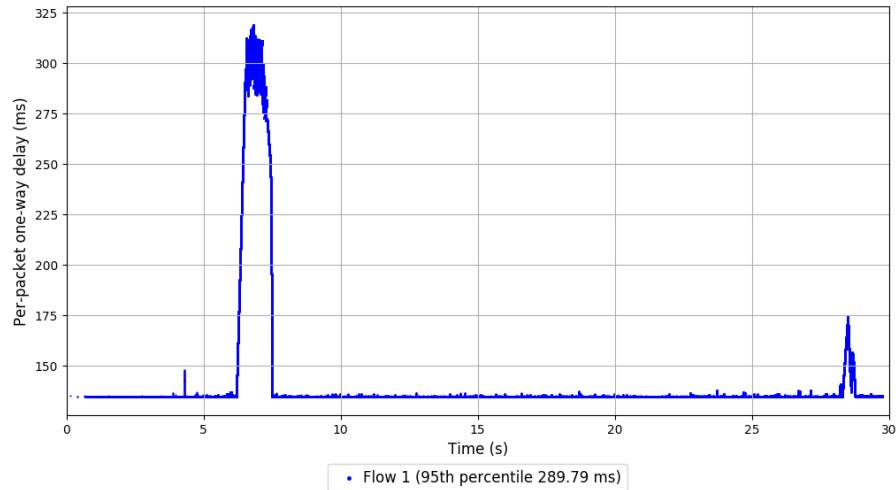
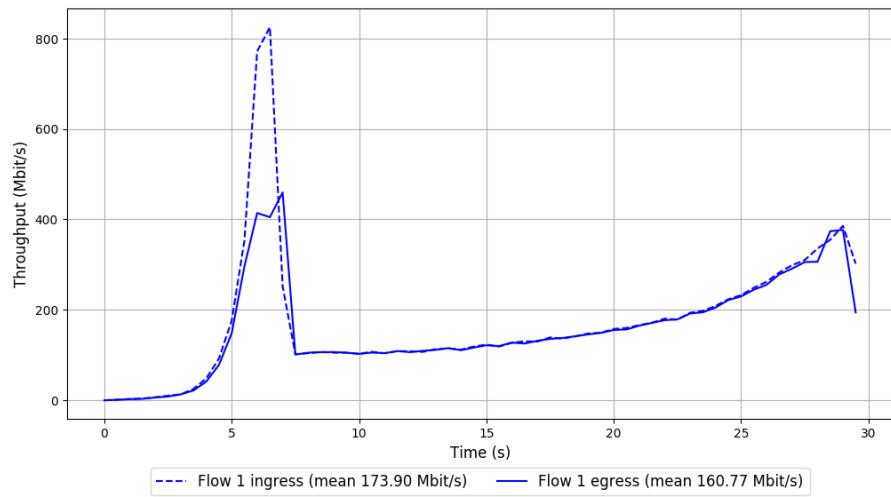
Run 8: Statistics of Vivace-loss

Start at: 2018-04-10 21:21:35

End at: 2018-04-10 21:22:05

```
# Below is generated by plot.py at 2018-04-11 01:41:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 160.77 Mbit/s
95th percentile per-packet one-way delay: 289.792 ms
Loss rate: 8.39%
-- Flow 1:
Average throughput: 160.77 Mbit/s
95th percentile per-packet one-way delay: 289.792 ms
Loss rate: 8.39%
```

Run 8: Report of Vivace-loss — Data Link



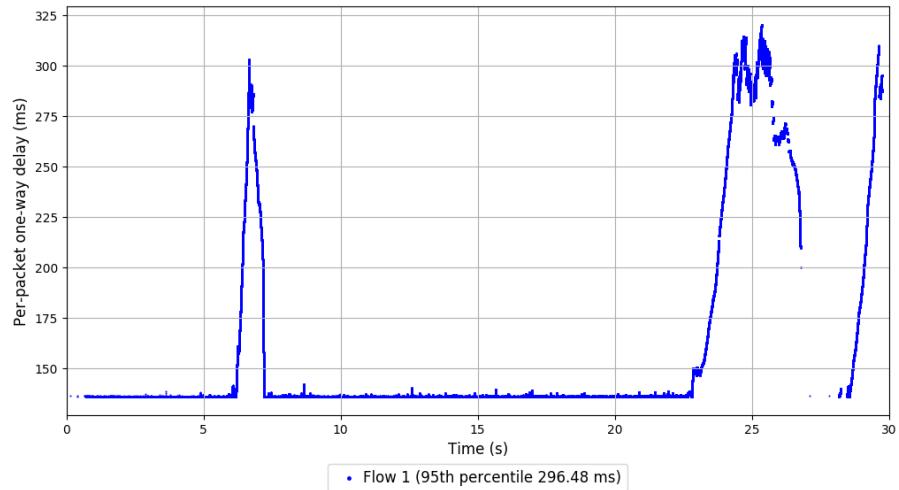
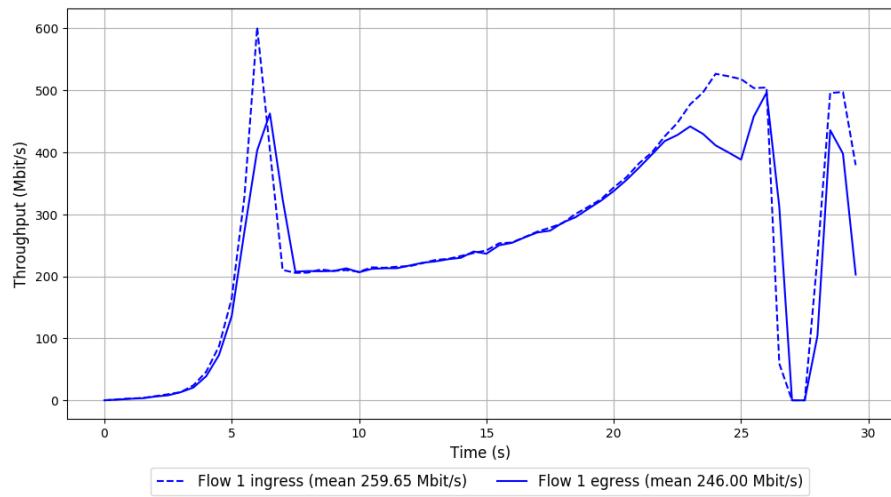
Run 9: Statistics of Vivace-loss

Start at: 2018-04-10 21:37:03

End at: 2018-04-10 21:37:33

```
# Below is generated by plot.py at 2018-04-11 01:43:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 246.00 Mbit/s
95th percentile per-packet one-way delay: 296.482 ms
Loss rate: 6.12%
-- Flow 1:
Average throughput: 246.00 Mbit/s
95th percentile per-packet one-way delay: 296.482 ms
Loss rate: 6.12%
```

Run 9: Report of Vivace-loss — Data Link



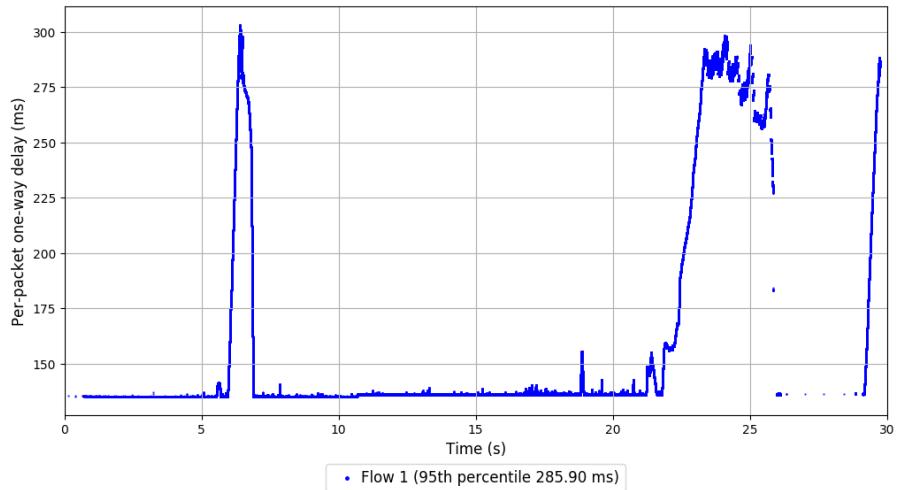
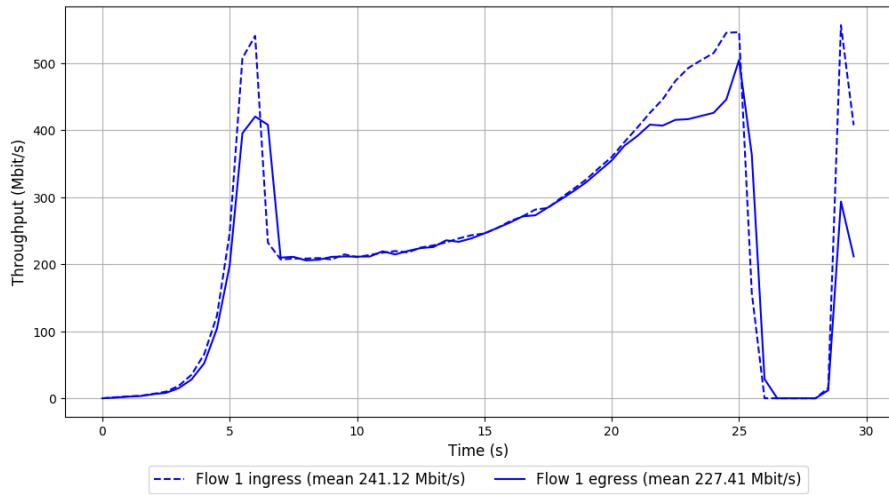
Run 10: Statistics of Vivace-loss

Start at: 2018-04-10 21:52:39

End at: 2018-04-10 21:53:09

```
# Below is generated by plot.py at 2018-04-11 01:43:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 227.41 Mbit/s
95th percentile per-packet one-way delay: 285.898 ms
Loss rate: 6.54%
-- Flow 1:
Average throughput: 227.41 Mbit/s
95th percentile per-packet one-way delay: 285.898 ms
Loss rate: 6.54%
```

Run 10: Report of Vivace-loss — Data Link



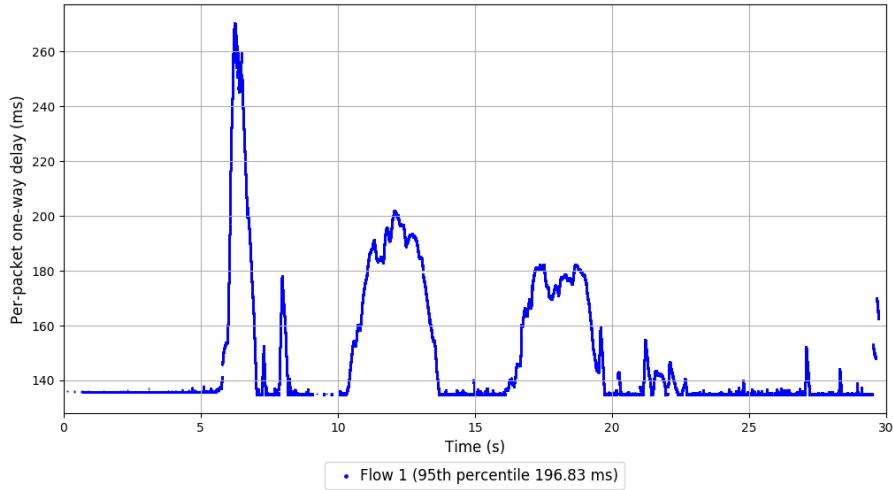
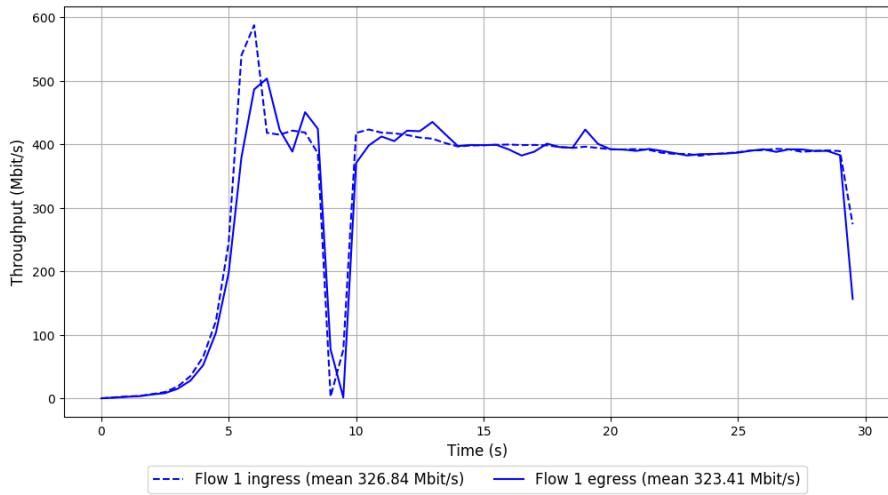
Run 1: Statistics of Vivace-LTE

Start at: 2018-04-10 19:36:03

End at: 2018-04-10 19:36:33

```
# Below is generated by plot.py at 2018-04-11 01:45:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 323.41 Mbit/s
95th percentile per-packet one-way delay: 196.828 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 323.41 Mbit/s
95th percentile per-packet one-way delay: 196.828 ms
Loss rate: 1.95%
```

Run 1: Report of Vivace-LTE — Data Link



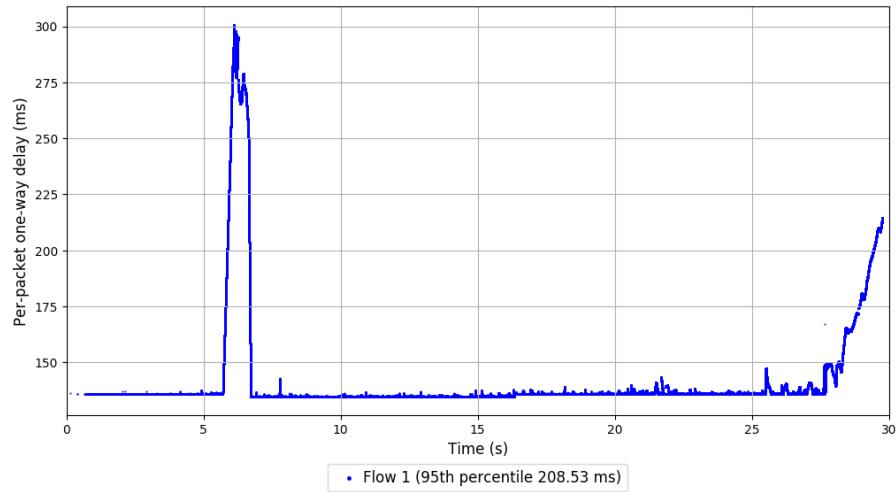
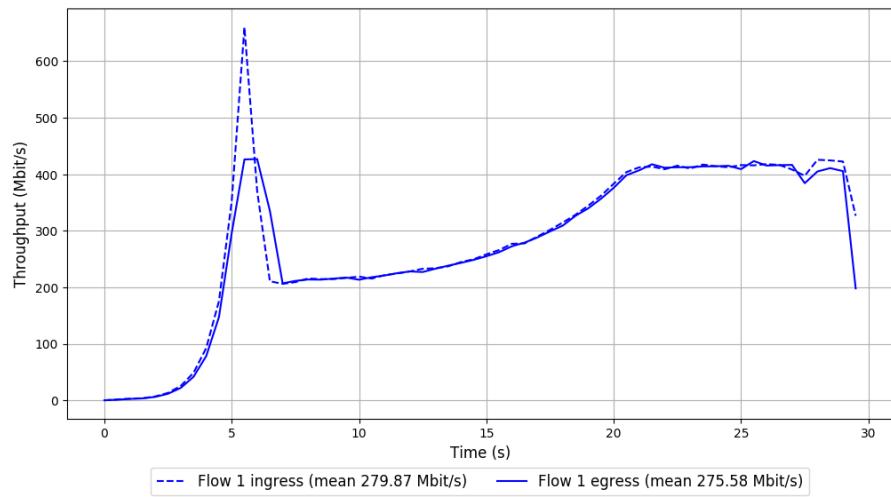
Run 2: Statistics of Vivace-LTE

Start at: 2018-04-10 19:51:23

End at: 2018-04-10 19:51:53

```
# Below is generated by plot.py at 2018-04-11 01:45:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 275.58 Mbit/s
95th percentile per-packet one-way delay: 208.532 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 275.58 Mbit/s
95th percentile per-packet one-way delay: 208.532 ms
Loss rate: 2.43%
```

Run 2: Report of Vivace-LTE — Data Link



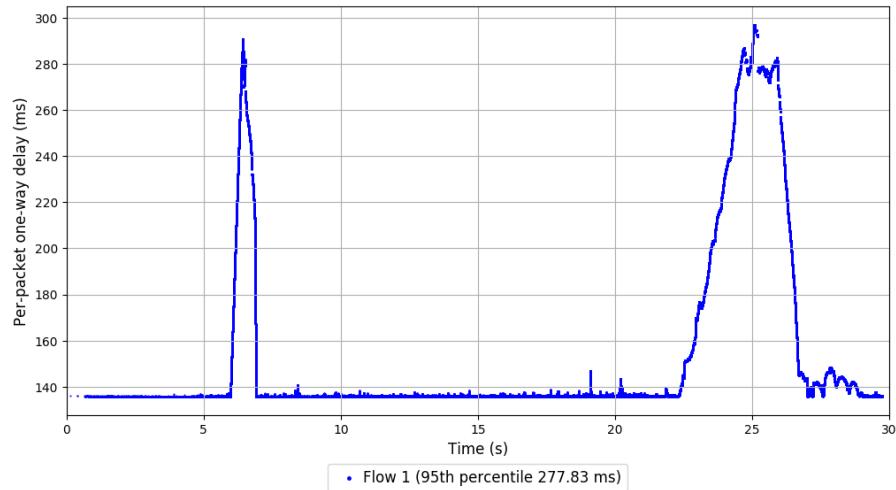
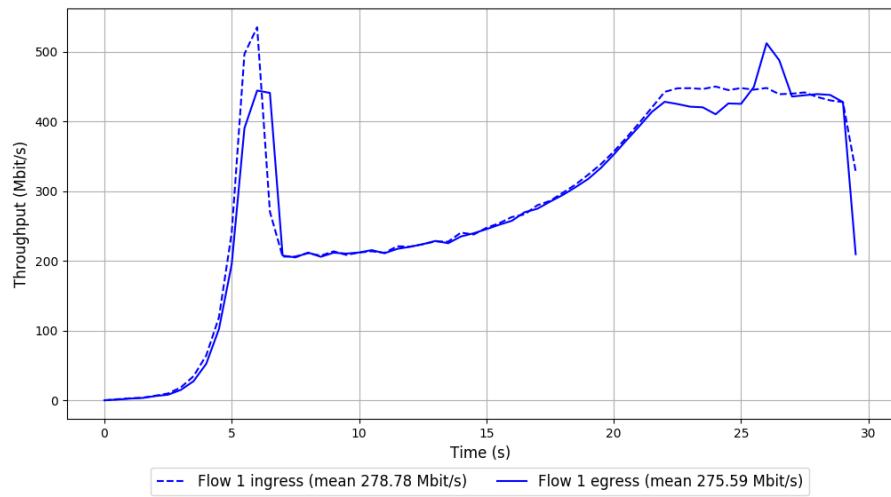
Run 3: Statistics of Vivace-LTE

Start at: 2018-04-10 20:06:49

End at: 2018-04-10 20:07:19

```
# Below is generated by plot.py at 2018-04-11 01:45:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 275.59 Mbit/s
95th percentile per-packet one-way delay: 277.835 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 275.59 Mbit/s
95th percentile per-packet one-way delay: 277.835 ms
Loss rate: 2.06%
```

Run 3: Report of Vivace-LTE — Data Link



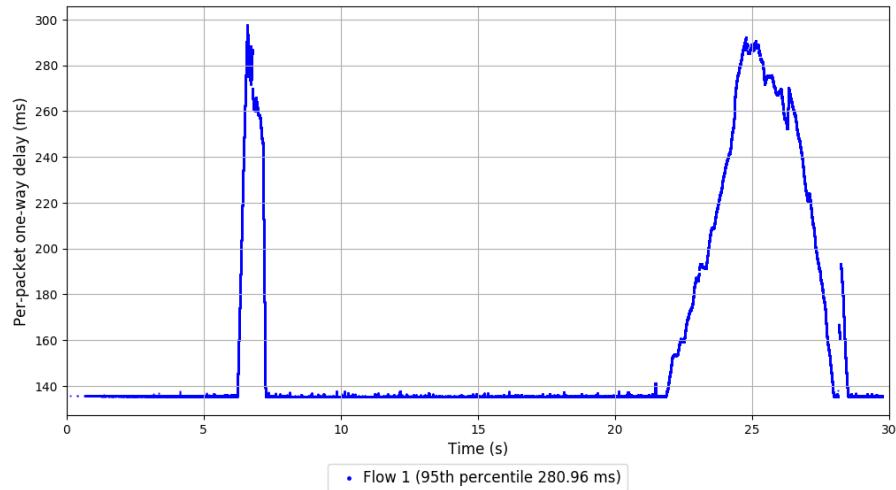
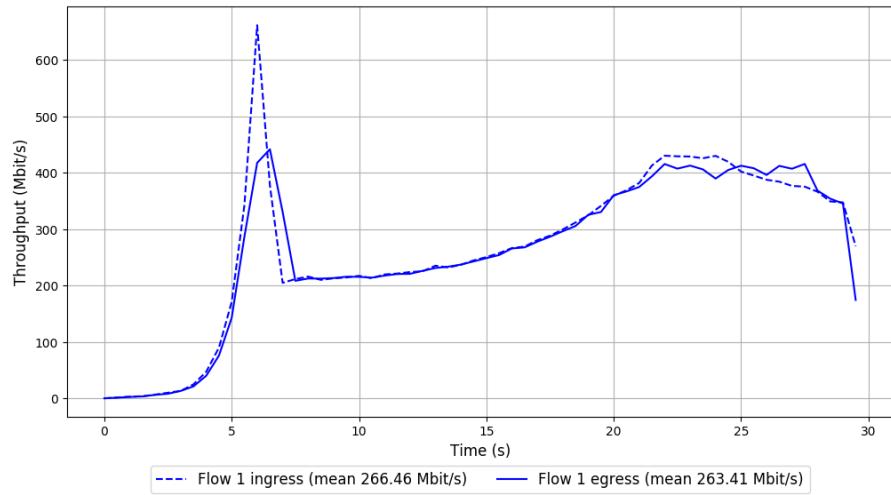
Run 4: Statistics of Vivace-LTE

Start at: 2018-04-10 20:22:02

End at: 2018-04-10 20:22:32

```
# Below is generated by plot.py at 2018-04-11 01:45:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 263.41 Mbit/s
95th percentile per-packet one-way delay: 280.962 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 263.41 Mbit/s
95th percentile per-packet one-way delay: 280.962 ms
Loss rate: 2.04%
```

Run 4: Report of Vivace-LTE — Data Link



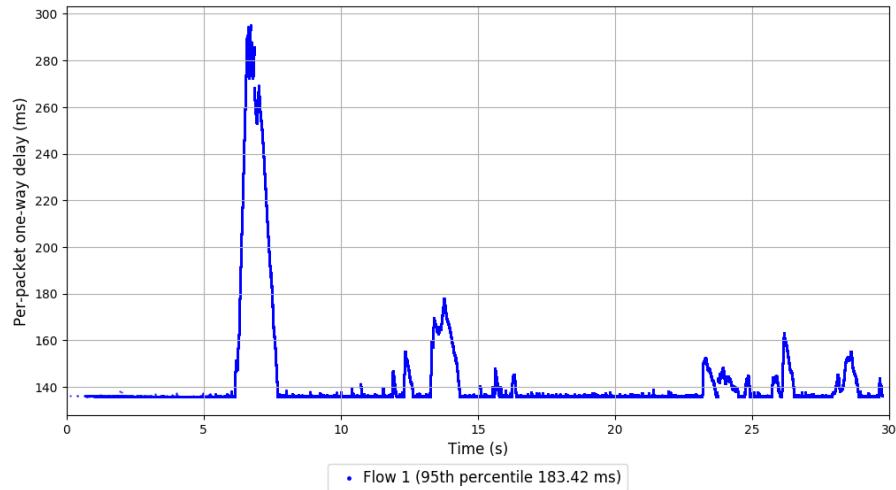
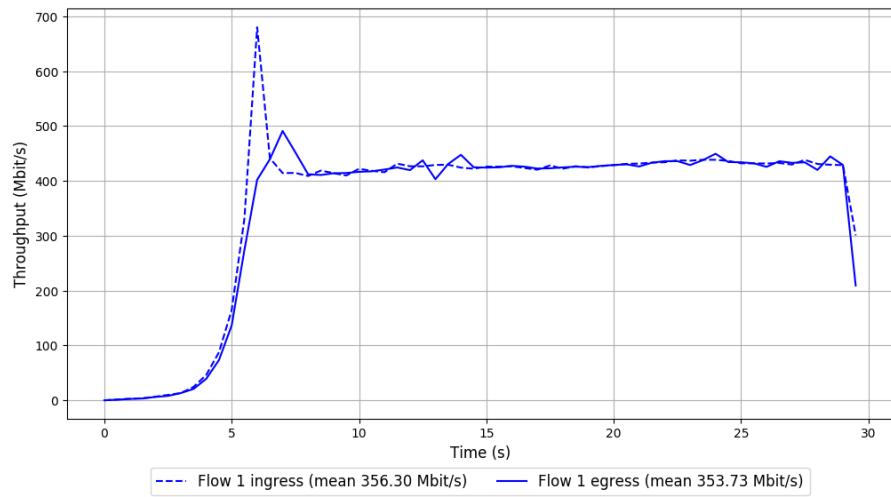
Run 5: Statistics of Vivace-LTE

Start at: 2018-04-10 20:37:20

End at: 2018-04-10 20:37:50

```
# Below is generated by plot.py at 2018-04-11 01:46:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 353.73 Mbit/s
95th percentile per-packet one-way delay: 183.416 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 353.73 Mbit/s
95th percentile per-packet one-way delay: 183.416 ms
Loss rate: 1.77%
```

Run 5: Report of Vivace-LTE — Data Link



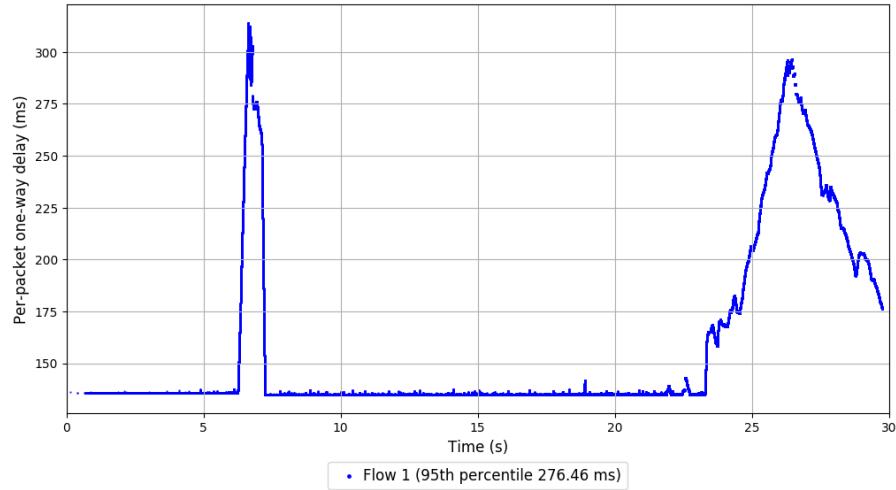
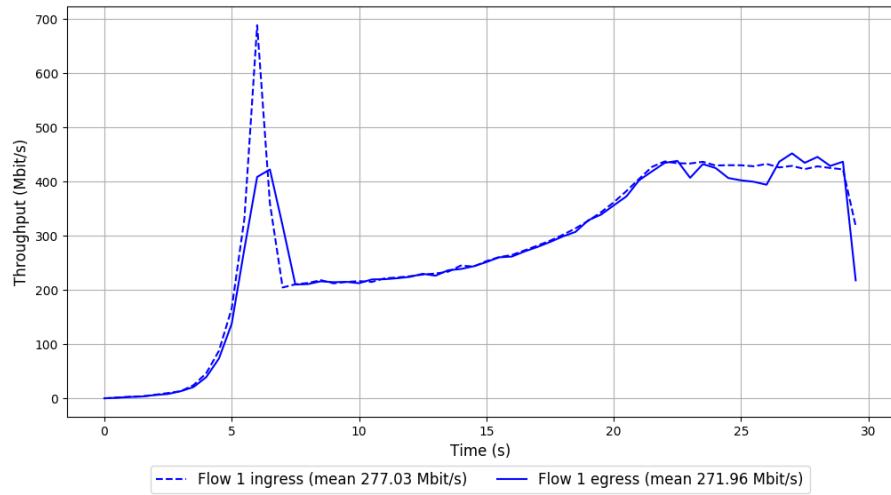
Run 6: Statistics of Vivace-LTE

Start at: 2018-04-10 20:53:03

End at: 2018-04-10 20:53:33

```
# Below is generated by plot.py at 2018-04-11 01:46:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 271.96 Mbit/s
95th percentile per-packet one-way delay: 276.463 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 271.96 Mbit/s
95th percentile per-packet one-way delay: 276.463 ms
Loss rate: 2.72%
```

Run 6: Report of Vivace-LTE — Data Link



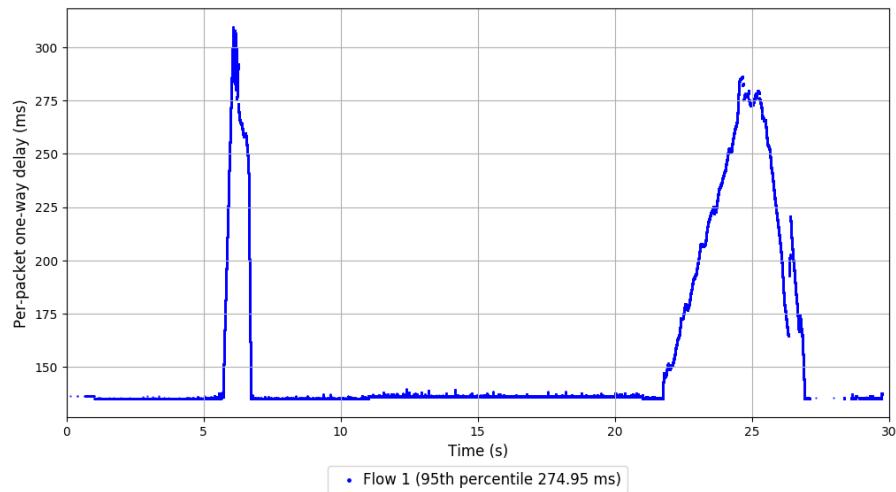
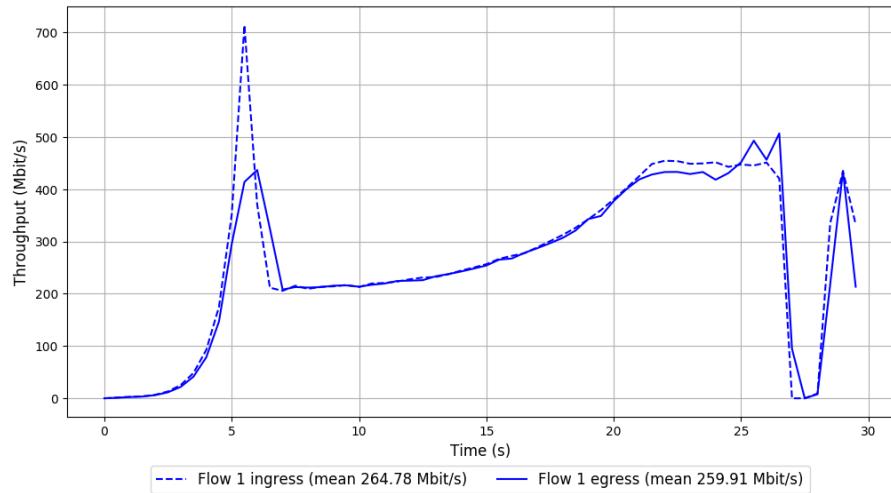
Run 7: Statistics of Vivace-LTE

Start at: 2018-04-10 21:08:28

End at: 2018-04-10 21:08:58

```
# Below is generated by plot.py at 2018-04-11 01:47:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 259.91 Mbit/s
95th percentile per-packet one-way delay: 274.946 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 259.91 Mbit/s
95th percentile per-packet one-way delay: 274.946 ms
Loss rate: 2.74%
```

Run 7: Report of Vivace-LTE — Data Link



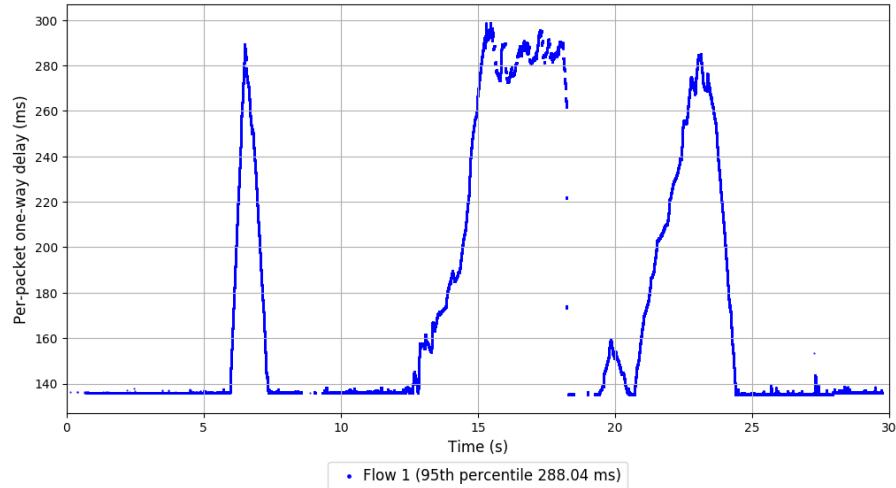
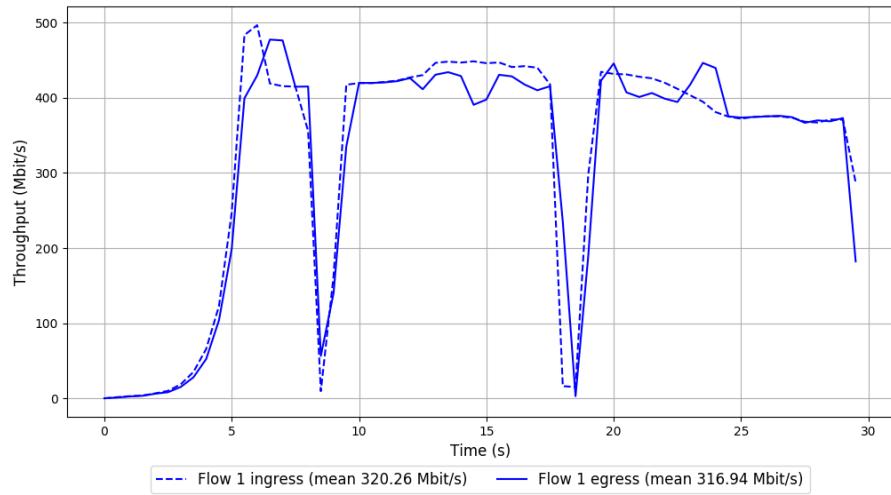
Run 8: Statistics of Vivace-LTE

Start at: 2018-04-10 21:24:11

End at: 2018-04-10 21:24:42

```
# Below is generated by plot.py at 2018-04-11 01:47:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 316.94 Mbit/s
95th percentile per-packet one-way delay: 288.042 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 316.94 Mbit/s
95th percentile per-packet one-way delay: 288.042 ms
Loss rate: 1.94%
```

Run 8: Report of Vivace-LTE — Data Link



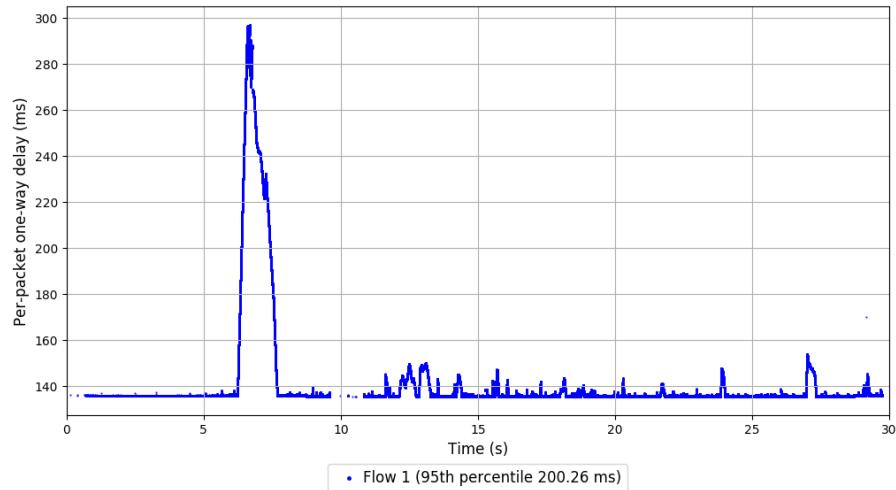
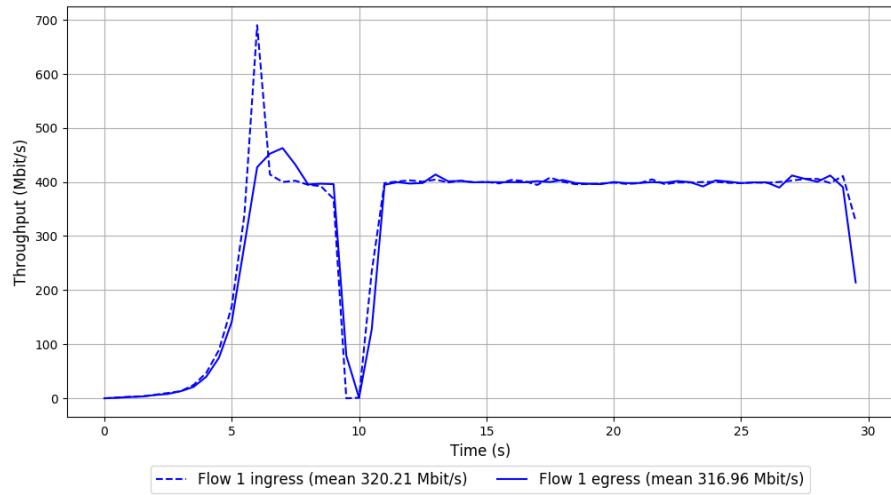
Run 9: Statistics of Vivace-LTE

Start at: 2018-04-10 21:39:51

End at: 2018-04-10 21:40:21

```
# Below is generated by plot.py at 2018-04-11 01:47:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 316.96 Mbit/s
95th percentile per-packet one-way delay: 200.265 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 316.96 Mbit/s
95th percentile per-packet one-way delay: 200.265 ms
Loss rate: 1.92%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-04-10 21:55:25

End at: 2018-04-10 21:55:55

```
# Below is generated by plot.py at 2018-04-11 01:47:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 264.17 Mbit/s
95th percentile per-packet one-way delay: 279.653 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 264.17 Mbit/s
95th percentile per-packet one-way delay: 279.653 ms
Loss rate: 2.10%
```

Run 10: Report of Vivace-LTE — Data Link

