

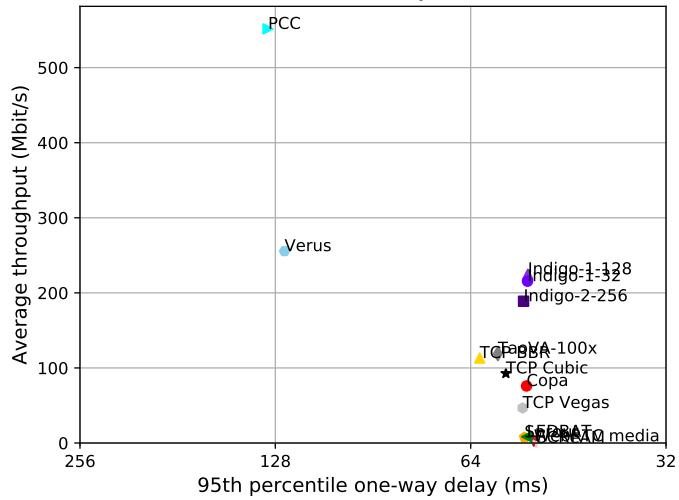
## Pantheon Report

Generated at 2018-01-26 03:28:34 (UTC).  
Data path: GCE Sydney Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).  
Repeated the test of 15 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**).

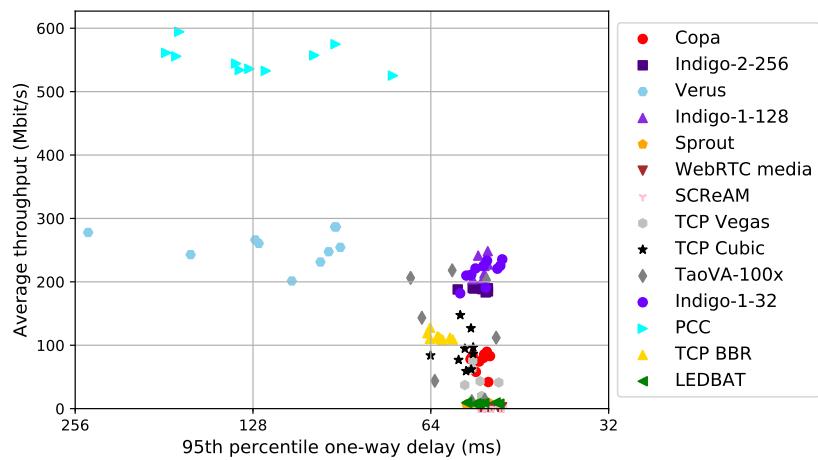
Git summary:

```
branch: master @ f23294ec38436c9f802847d477a41b7343ec76e6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ 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 @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from GCE Sydney Ethernet to GCE Tokyo 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	113.20	61.98	0.04
TCP Cubic	9	92.67	56.48	0.03
LEDBAT	10	8.32	52.47	0.16
PCC	10	551.56	131.35	1.18
QUIC Cubic	0	N/A	N/A	N/A
SCReAM	10	0.21	50.70	0.00
WebRTC media	10	2.27	51.16	0.00
Sprout	9	7.66	52.89	0.18
TaoVA-100x	8	119.01	58.12	0.00
TCP Vegas	6	46.62	53.23	0.28
Verus	10	255.54	123.91	1.09
Copa	10	75.97	52.49	0.00
Indigo-2-256	10	188.84	53.05	0.00
Indigo-1-32	10	215.54	52.31	0.06
Indigo-1-128	8	224.75	52.26	0.03

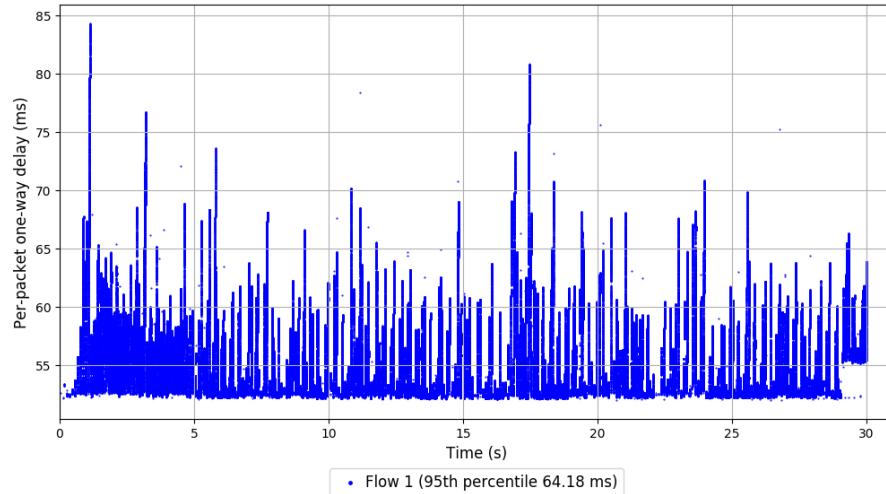
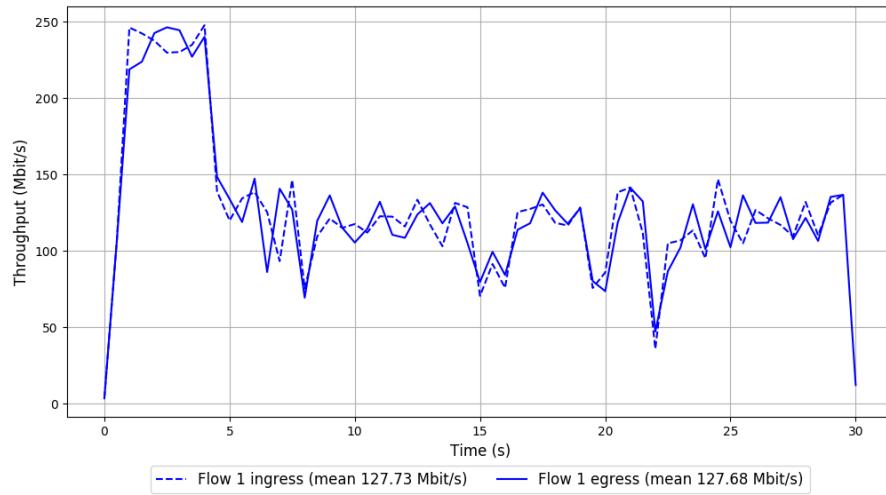
Run 1: Statistics of TCP BBR

Start at: 2018-01-26 00:02:03

End at: 2018-01-26 00:02:33

```
# Below is generated by plot.py at 2018-01-26 02:48:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 127.68 Mbit/s
95th percentile per-packet one-way delay: 64.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.68 Mbit/s
95th percentile per-packet one-way delay: 64.178 ms
Loss rate: 0.00%
```

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



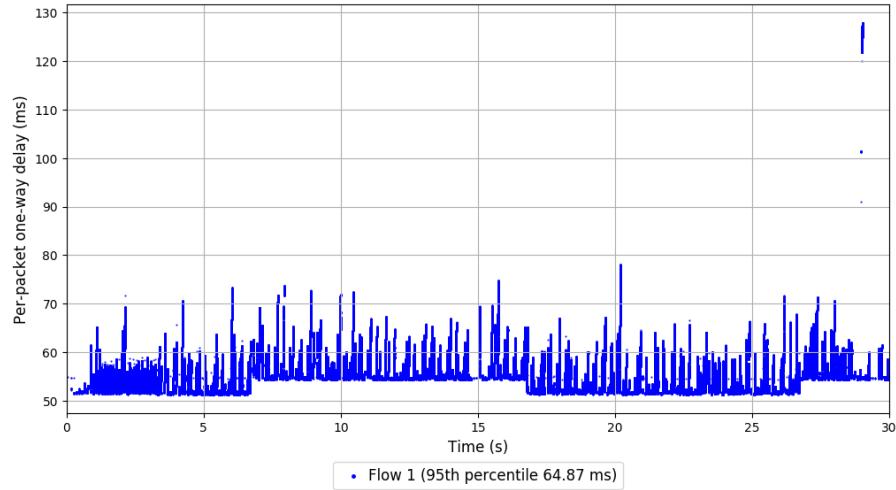
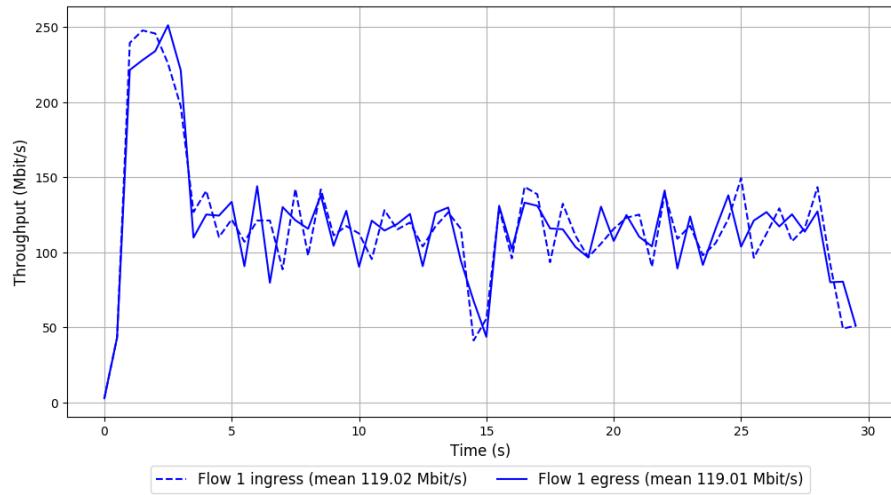
Run 2: Statistics of TCP BBR

Start at: 2018-01-26 00:13:55

End at: 2018-01-26 00:14:25

```
# Below is generated by plot.py at 2018-01-26 02:48:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 119.01 Mbit/s
95th percentile per-packet one-way delay: 64.869 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 119.01 Mbit/s
95th percentile per-packet one-way delay: 64.869 ms
Loss rate: 0.01%
```

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



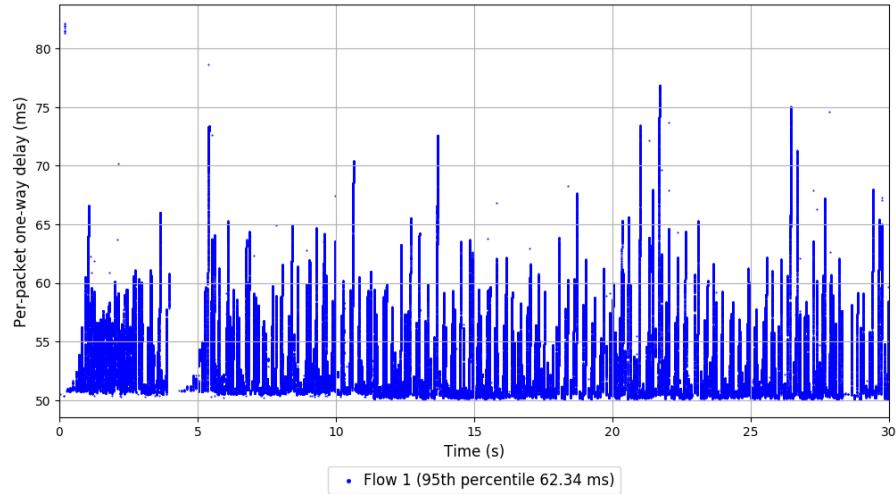
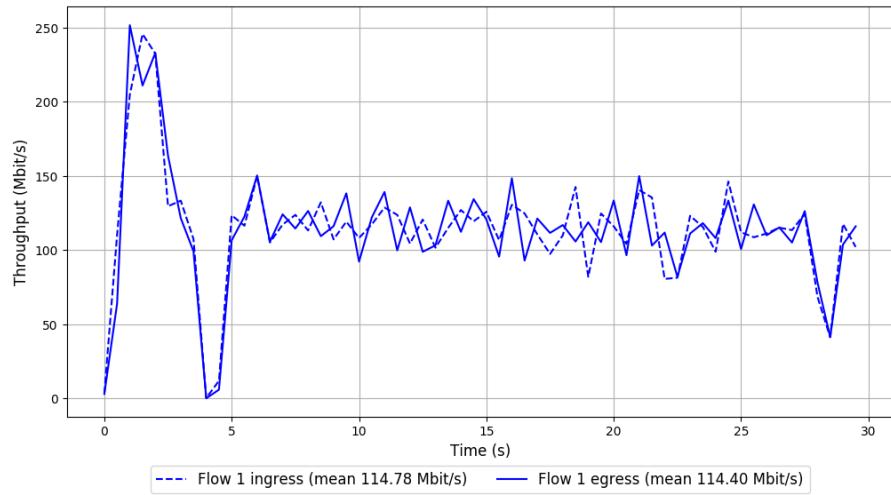
Run 3: Statistics of TCP BBR

Start at: 2018-01-26 00:25:41

End at: 2018-01-26 00:26:11

```
# Below is generated by plot.py at 2018-01-26 02:48:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 114.40 Mbit/s
95th percentile per-packet one-way delay: 62.337 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 114.40 Mbit/s
95th percentile per-packet one-way delay: 62.337 ms
Loss rate: 0.31%
```

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



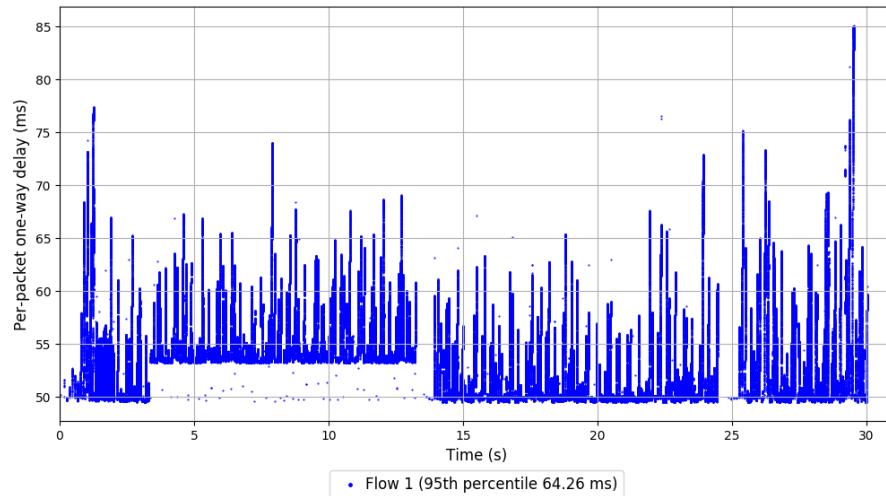
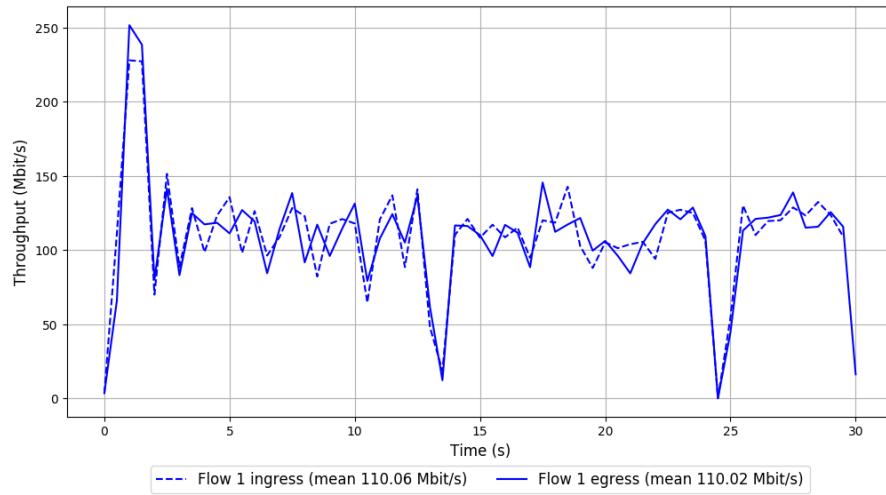
Run 4: Statistics of TCP BBR

Start at: 2018-01-26 00:37:29

End at: 2018-01-26 00:37:59

```
# Below is generated by plot.py at 2018-01-26 02:48:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 110.02 Mbit/s
95th percentile per-packet one-way delay: 64.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 110.02 Mbit/s
95th percentile per-packet one-way delay: 64.264 ms
Loss rate: 0.00%
```

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



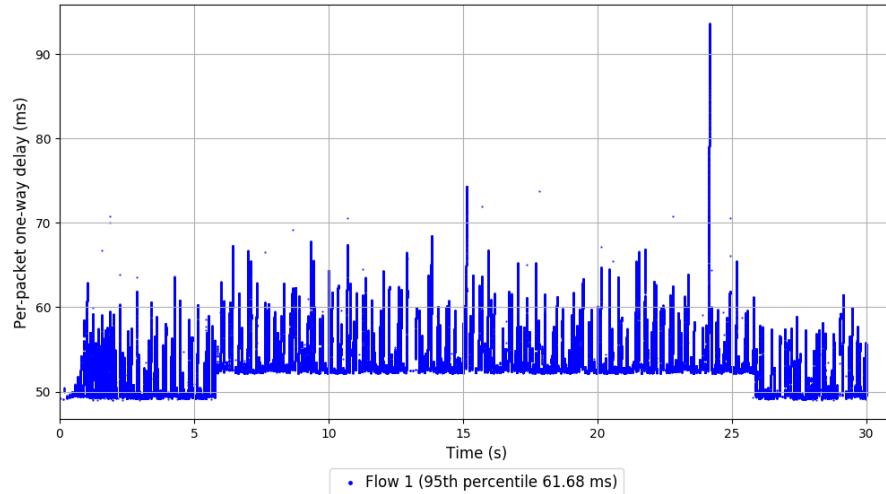
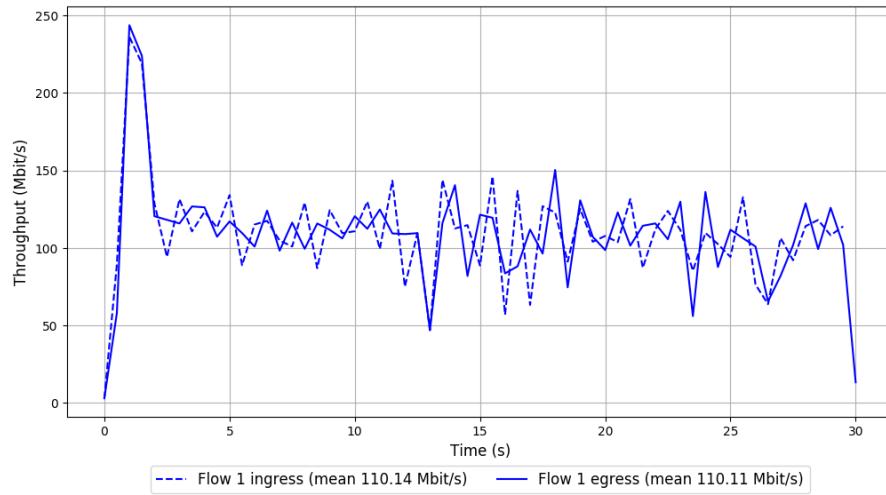
Run 5: Statistics of TCP BBR

Start at: 2018-01-26 00:49:16

End at: 2018-01-26 00:49:46

```
# Below is generated by plot.py at 2018-01-26 02:48:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 110.11 Mbit/s
95th percentile per-packet one-way delay: 61.684 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 110.11 Mbit/s
95th percentile per-packet one-way delay: 61.684 ms
Loss rate: 0.01%
```

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



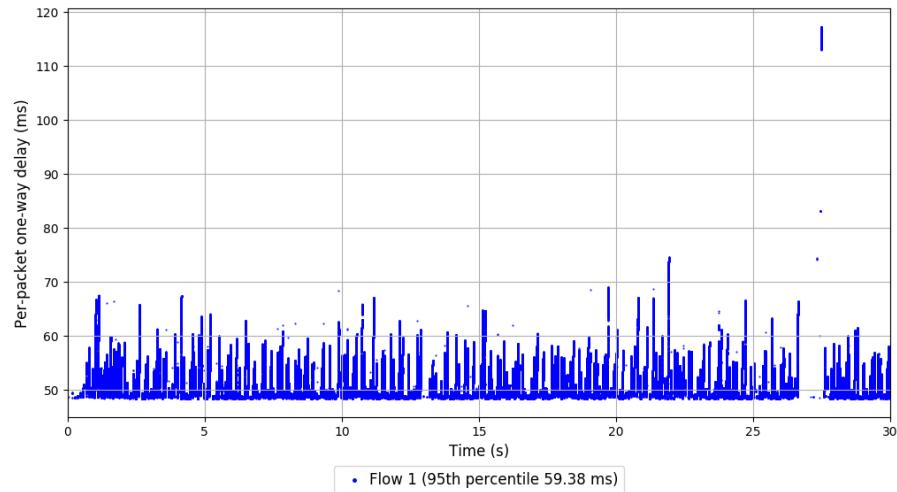
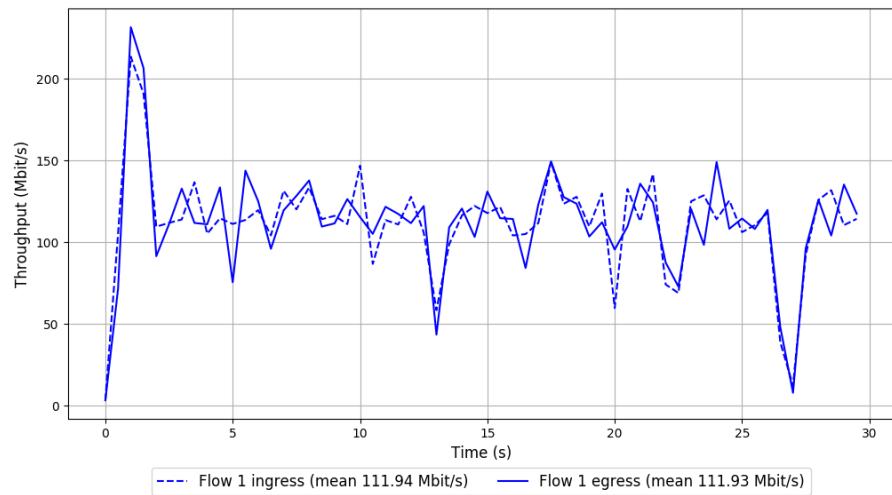
Run 6: Statistics of TCP BBR

Start at: 2018-01-26 01:01:20

End at: 2018-01-26 01:01:50

```
# Below is generated by plot.py at 2018-01-26 02:48:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 111.93 Mbit/s
95th percentile per-packet one-way delay: 59.382 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 111.93 Mbit/s
95th percentile per-packet one-way delay: 59.382 ms
Loss rate: 0.01%
```

Run 6: Report of TCP BBR — Data Link



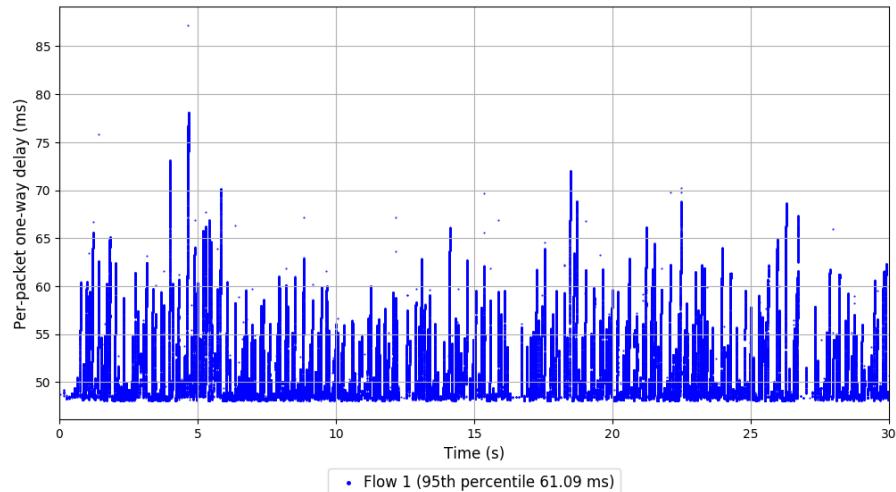
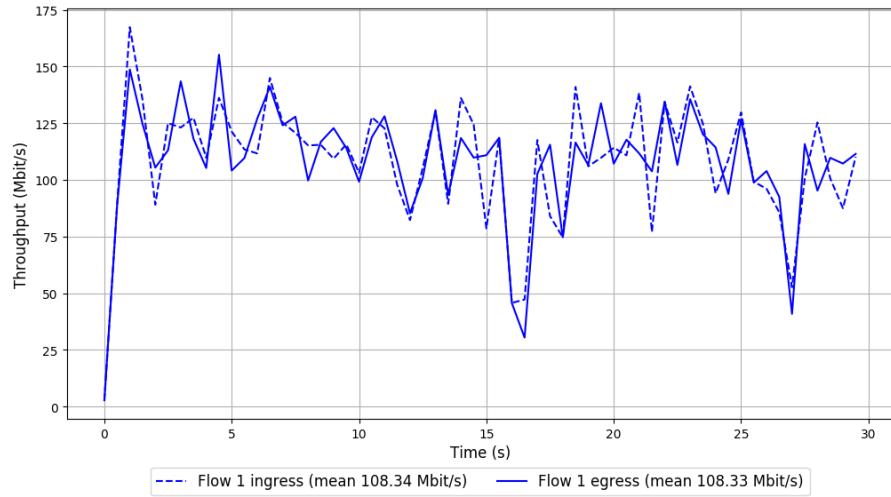
Run 7: Statistics of TCP BBR

Start at: 2018-01-26 01:13:09

End at: 2018-01-26 01:13:39

```
# Below is generated by plot.py at 2018-01-26 02:48:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.33 Mbit/s
95th percentile per-packet one-way delay: 61.089 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 108.33 Mbit/s
95th percentile per-packet one-way delay: 61.089 ms
Loss rate: 0.01%
```

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



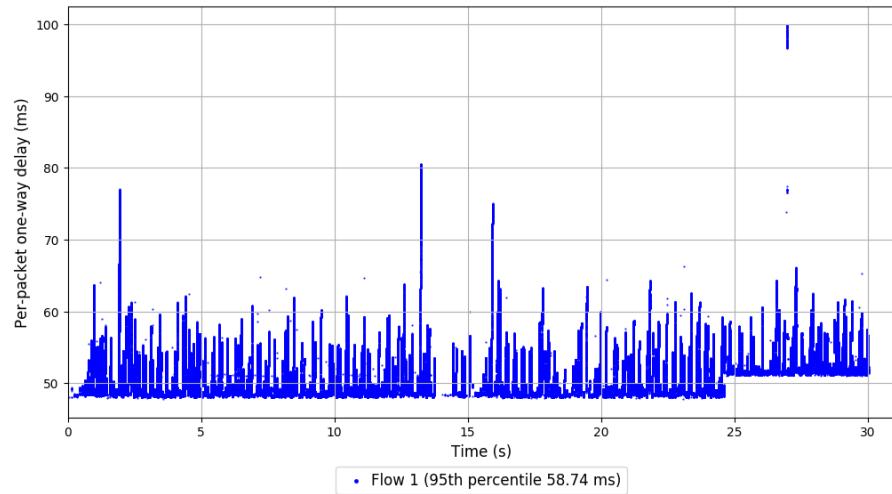
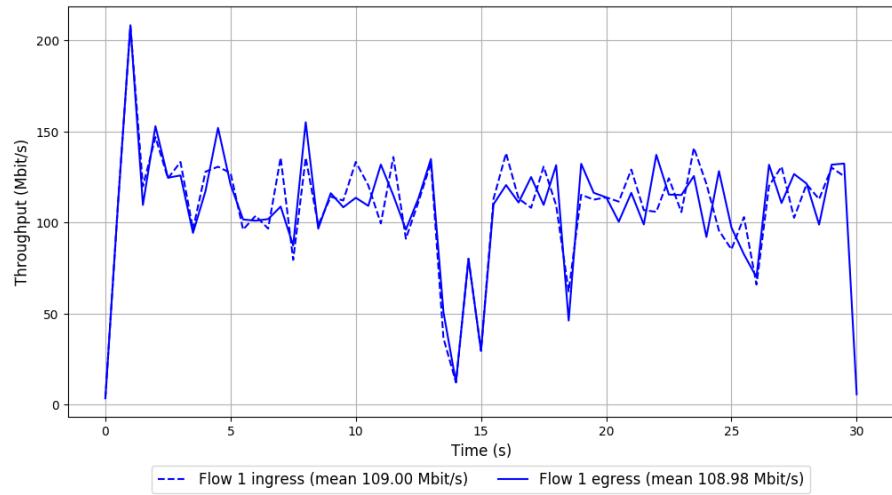
Run 8: Statistics of TCP BBR

Start at: 2018-01-26 01:24:37

End at: 2018-01-26 01:25:07

```
# Below is generated by plot.py at 2018-01-26 02:48:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.98 Mbit/s
95th percentile per-packet one-way delay: 58.743 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 108.98 Mbit/s
95th percentile per-packet one-way delay: 58.743 ms
Loss rate: 0.01%
```

Run 8: Report of TCP BBR — Data Link



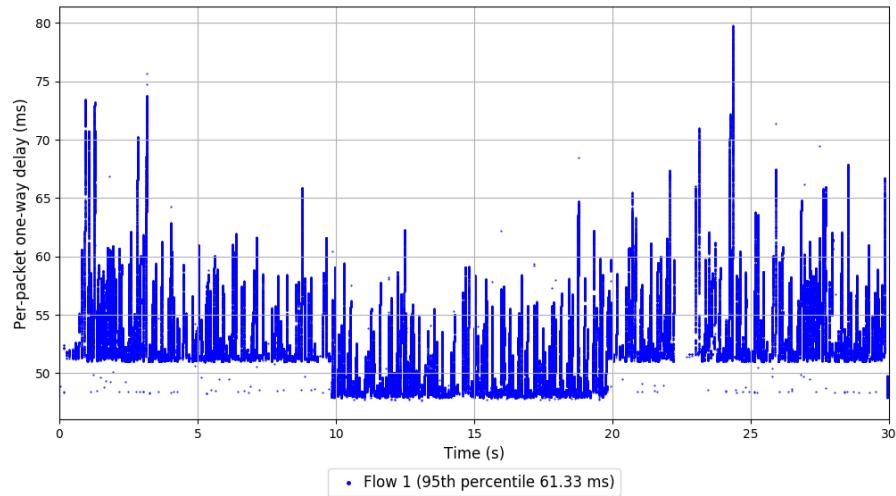
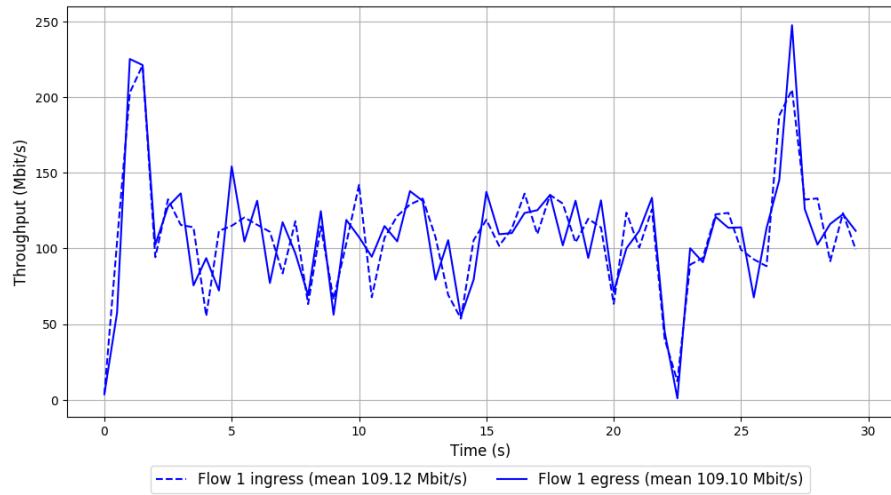
Run 9: Statistics of TCP BBR

Start at: 2018-01-26 01:36:42

End at: 2018-01-26 01:37:12

```
# Below is generated by plot.py at 2018-01-26 02:50:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 109.10 Mbit/s
95th percentile per-packet one-way delay: 61.328 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 109.10 Mbit/s
95th percentile per-packet one-way delay: 61.328 ms
Loss rate: 0.02%
```

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



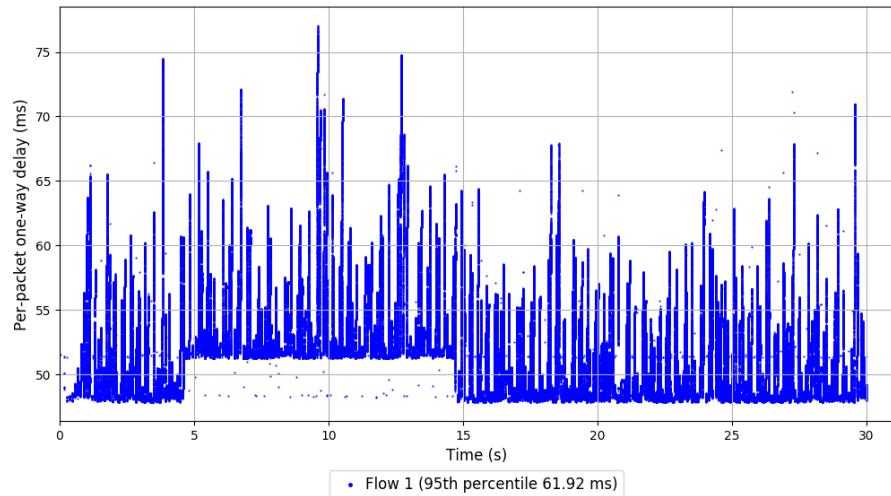
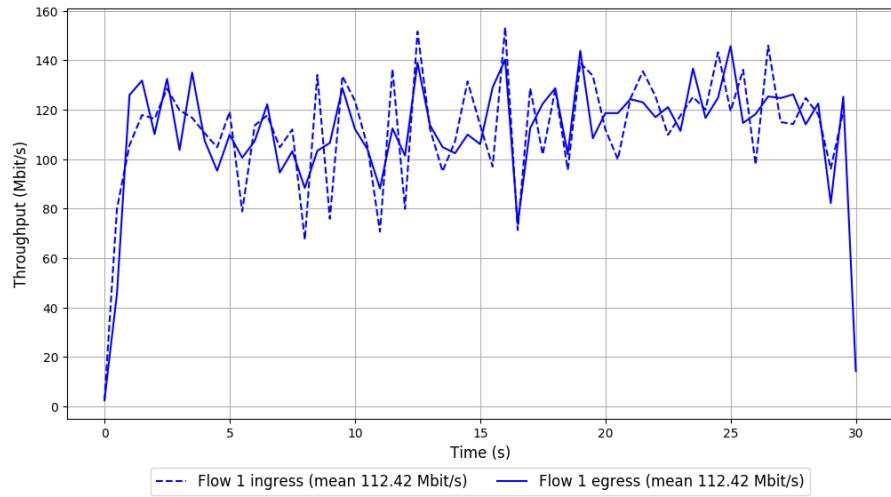
Run 10: Statistics of TCP BBR

Start at: 2018-01-26 01:48:37

End at: 2018-01-26 01:49:07

```
# Below is generated by plot.py at 2018-01-26 02:50:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 112.42 Mbit/s
95th percentile per-packet one-way delay: 61.916 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 112.42 Mbit/s
95th percentile per-packet one-way delay: 61.916 ms
Loss rate: 0.01%
```

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

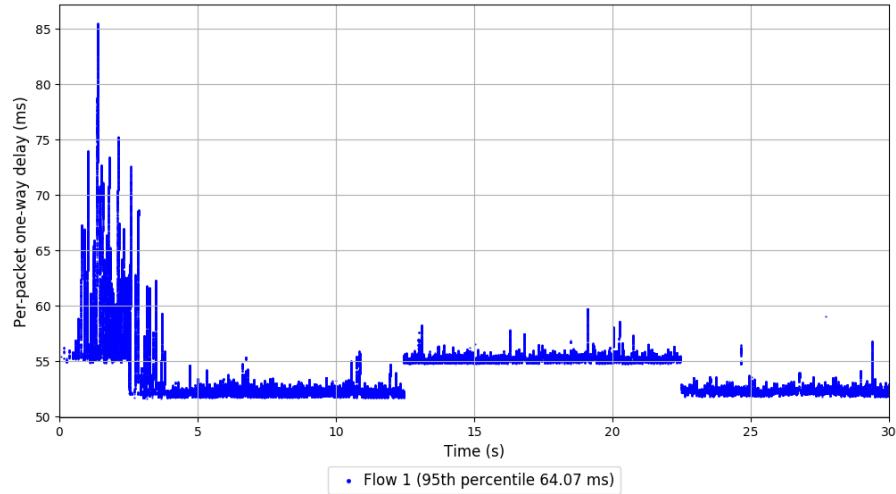
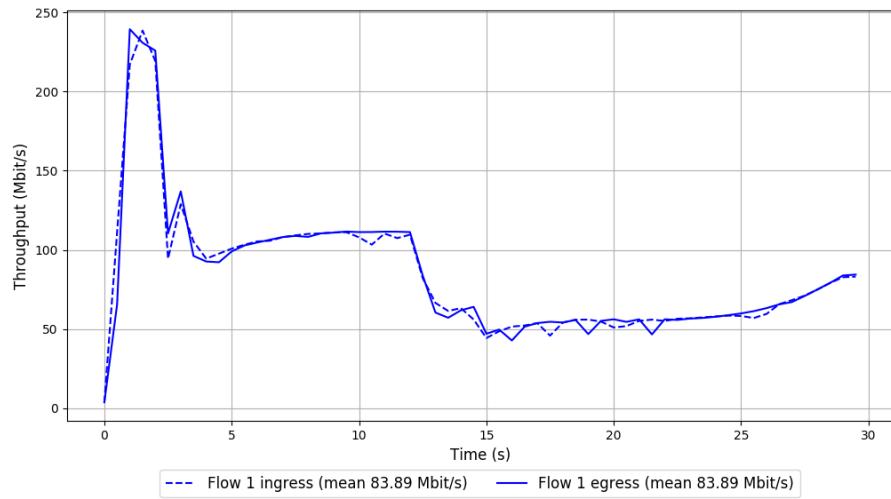


```
Run 1: Statistics of TCP Cubic

Start at: 2018-01-26 00:07:19
End at: 2018-01-26 00:07:49

# Below is generated by plot.py at 2018-01-26 02:50:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.89 Mbit/s
95th percentile per-packet one-way delay: 64.074 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 83.89 Mbit/s
95th percentile per-packet one-way delay: 64.074 ms
Loss rate: 0.01%
```

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



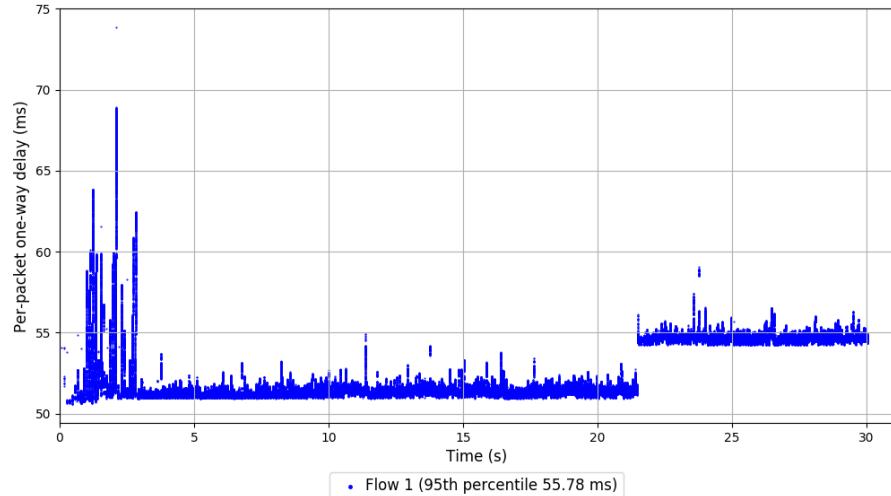
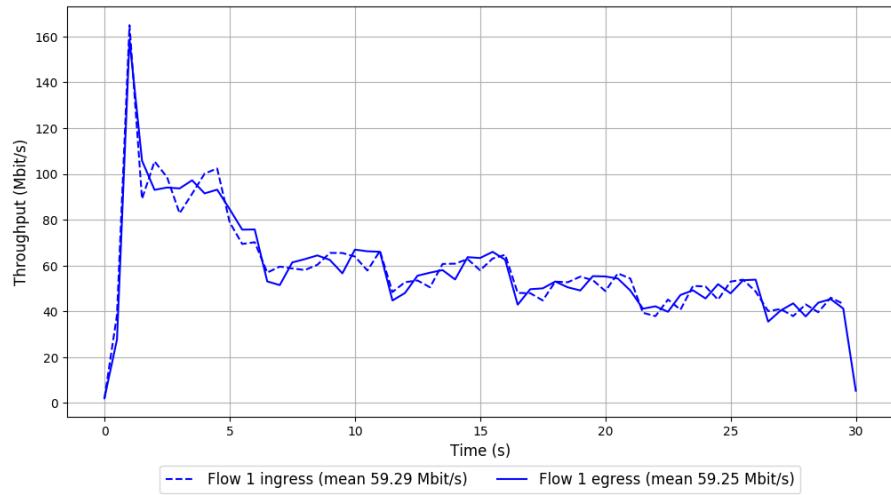
Run 2: Statistics of TCP Cubic

Start at: 2018-01-26 00:19:00

End at: 2018-01-26 00:19:30

```
# Below is generated by plot.py at 2018-01-26 02:50:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 55.781 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 55.781 ms
Loss rate: 0.05%
```

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



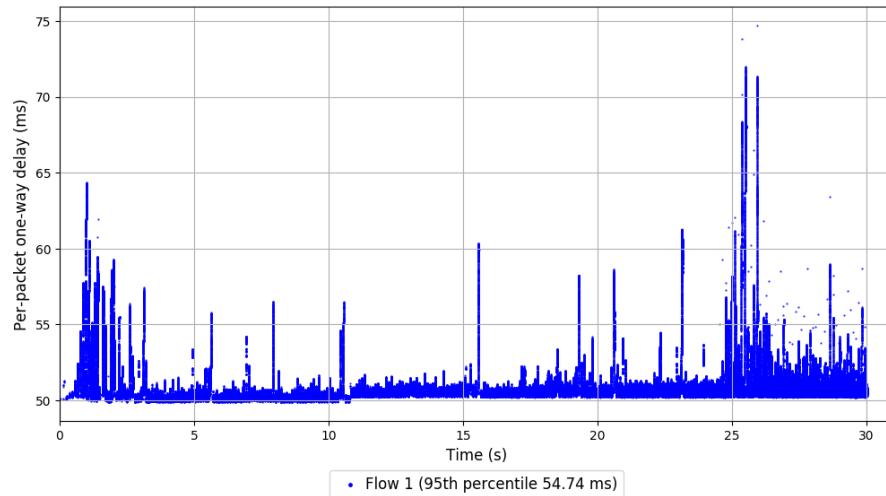
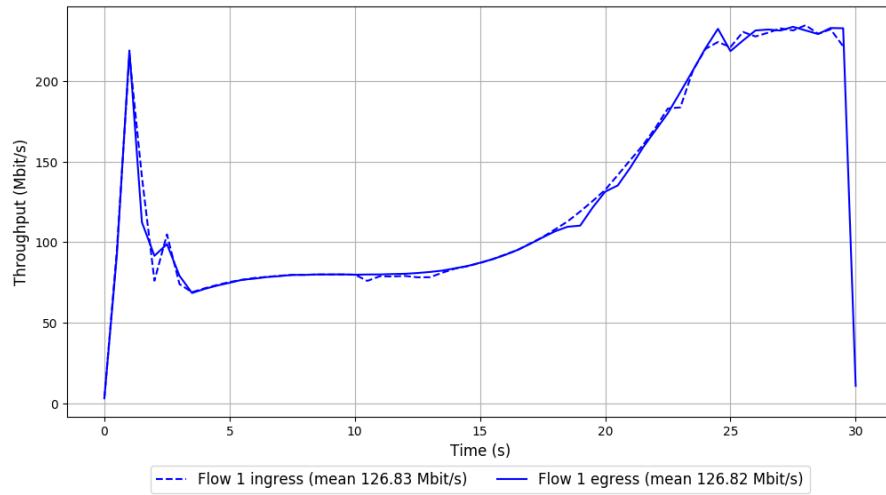
Run 3: Statistics of TCP Cubic

Start at: 2018-01-26 00:30:51

End at: 2018-01-26 00:31:21

```
# Below is generated by plot.py at 2018-01-26 02:50:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.82 Mbit/s
95th percentile per-packet one-way delay: 54.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.82 Mbit/s
95th percentile per-packet one-way delay: 54.739 ms
Loss rate: 0.00%
```

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



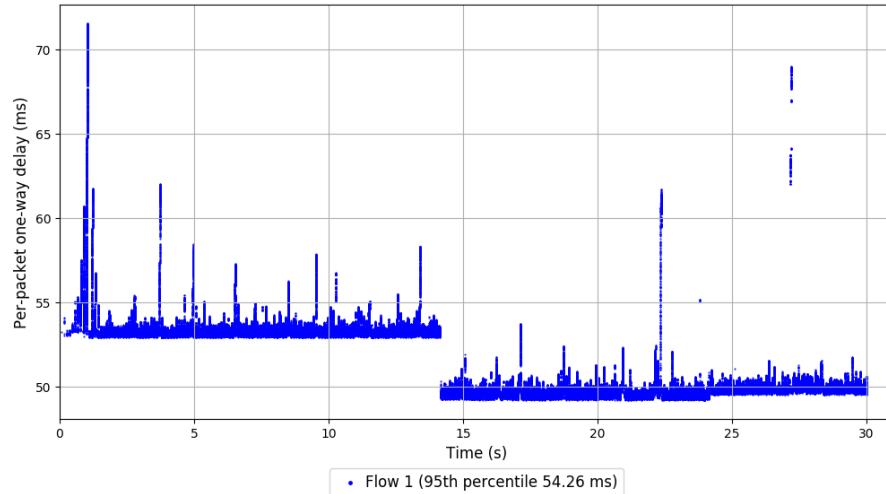
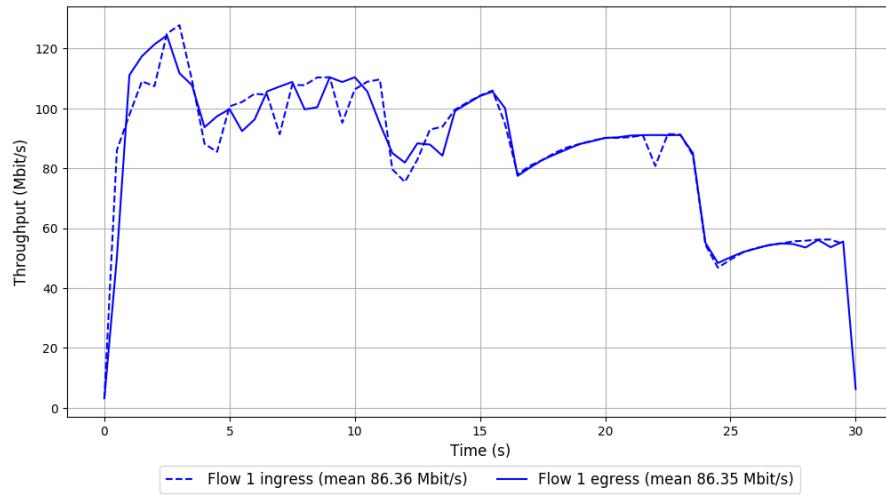
Run 4: Statistics of TCP Cubic

Start at: 2018-01-26 00:42:38

End at: 2018-01-26 00:43:08

```
# Below is generated by plot.py at 2018-01-26 02:50:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.35 Mbit/s
95th percentile per-packet one-way delay: 54.260 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 86.35 Mbit/s
95th percentile per-packet one-way delay: 54.260 ms
Loss rate: 0.02%
```

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



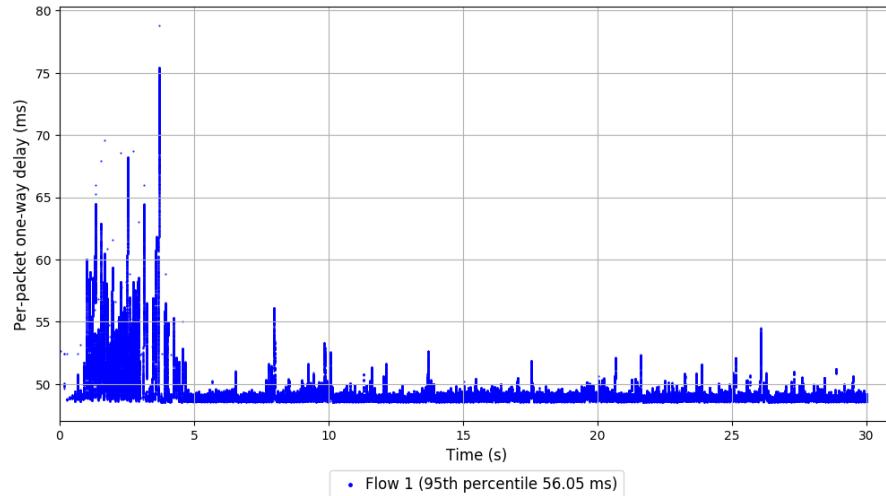
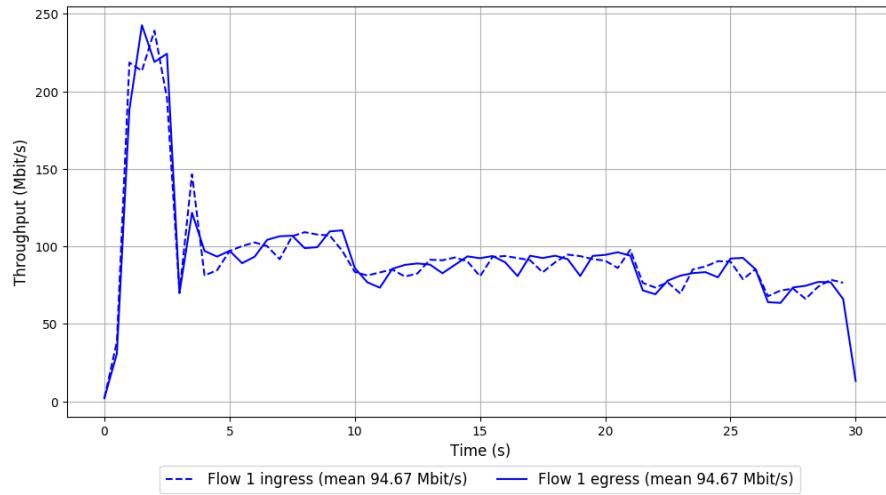
Run 5: Statistics of TCP Cubic

Start at: 2018-01-26 00:54:39

End at: 2018-01-26 00:55:09

```
# Below is generated by plot.py at 2018-01-26 02:50:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 56.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 56.048 ms
Loss rate: 0.00%
```

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



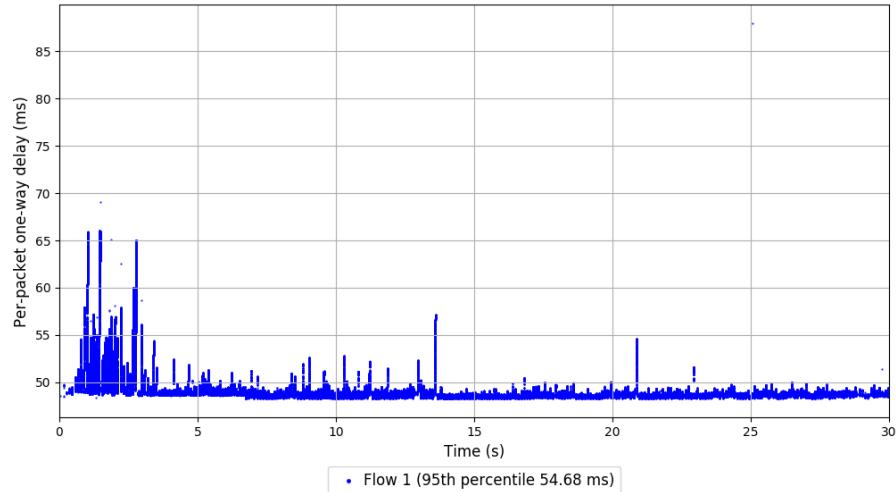
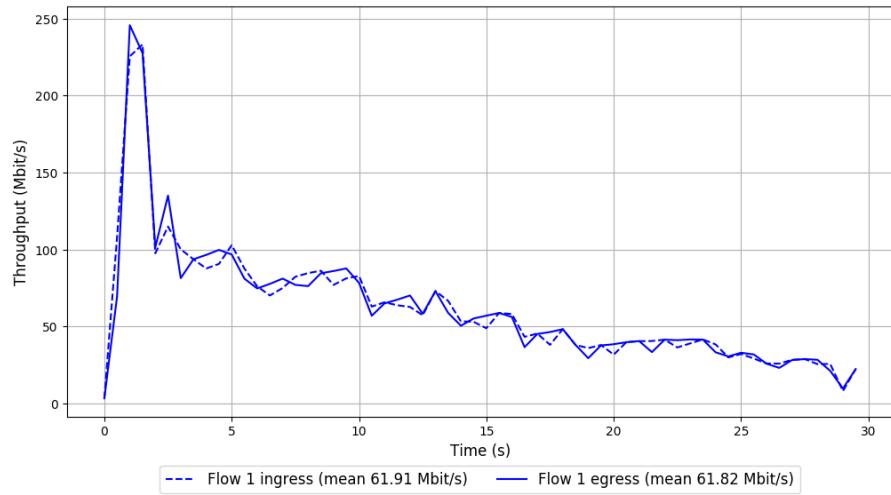
Run 6: Statistics of TCP Cubic

Start at: 2018-01-26 01:06:25

End at: 2018-01-26 01:06:55

```
# Below is generated by plot.py at 2018-01-26 02:50:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.82 Mbit/s
95th percentile per-packet one-way delay: 54.680 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 61.82 Mbit/s
95th percentile per-packet one-way delay: 54.680 ms
Loss rate: 0.14%
```

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

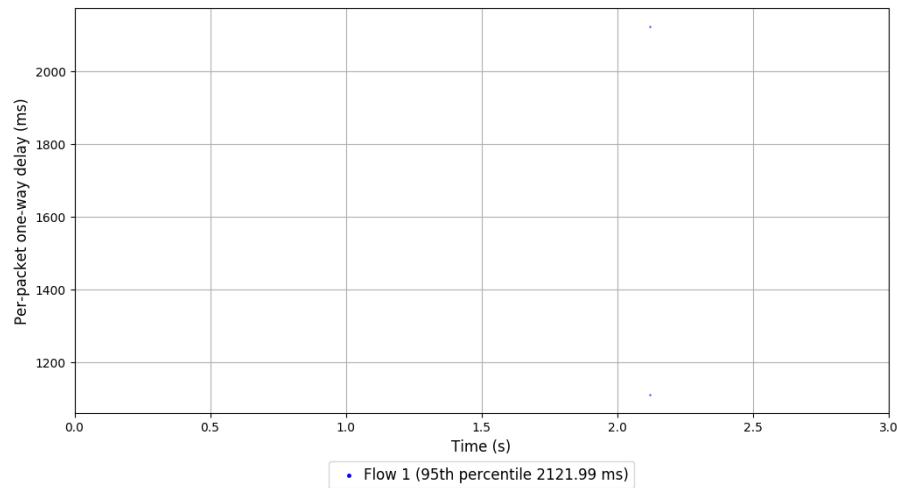
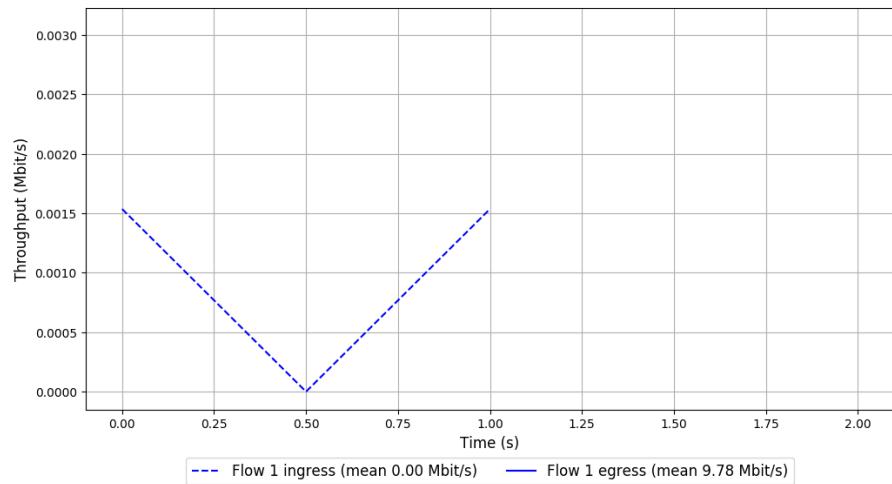


Run 7: Statistics of TCP Cubic

Start at: 2018-01-26 01:18:06

End at: 2018-01-26 01:18:36

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



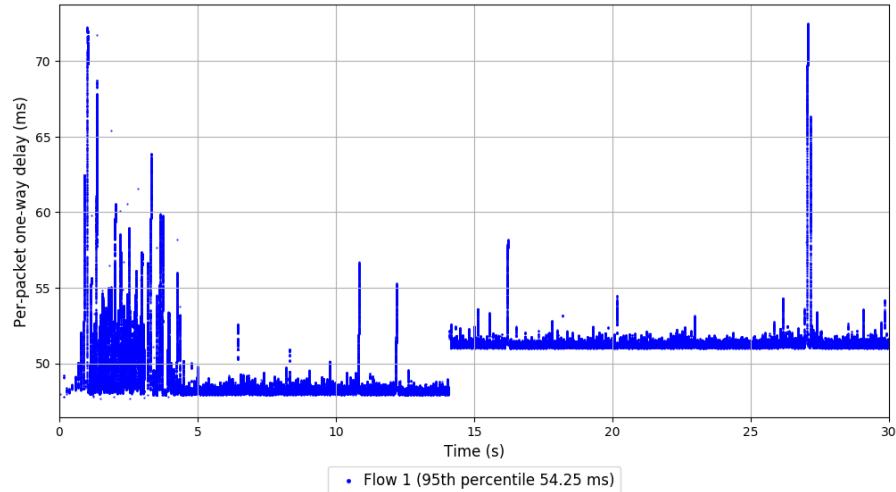
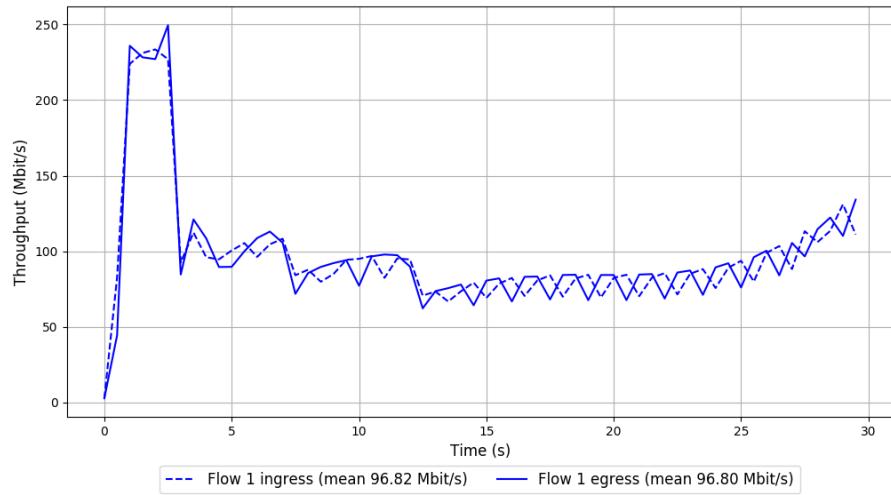
Run 8: Statistics of TCP Cubic

Start at: 2018-01-26 01:29:58

End at: 2018-01-26 01:30:28

```
# Below is generated by plot.py at 2018-01-26 02:51:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 54.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 54.248 ms
Loss rate: 0.00%
```

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



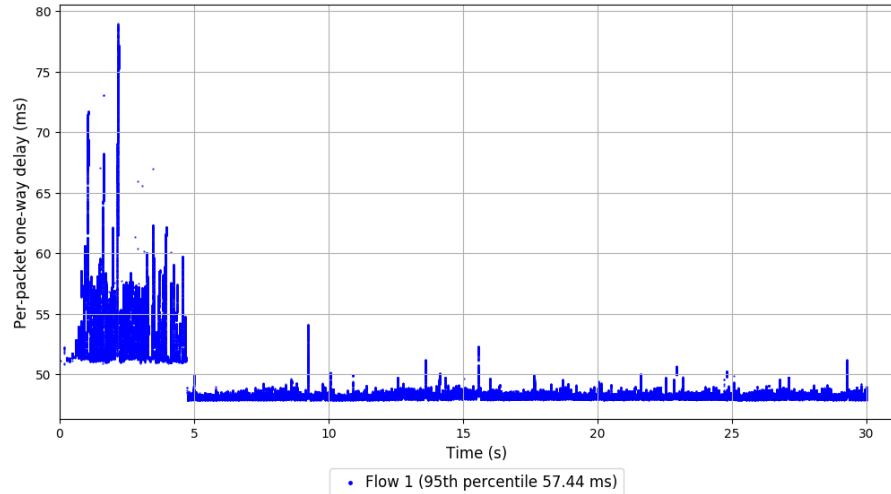
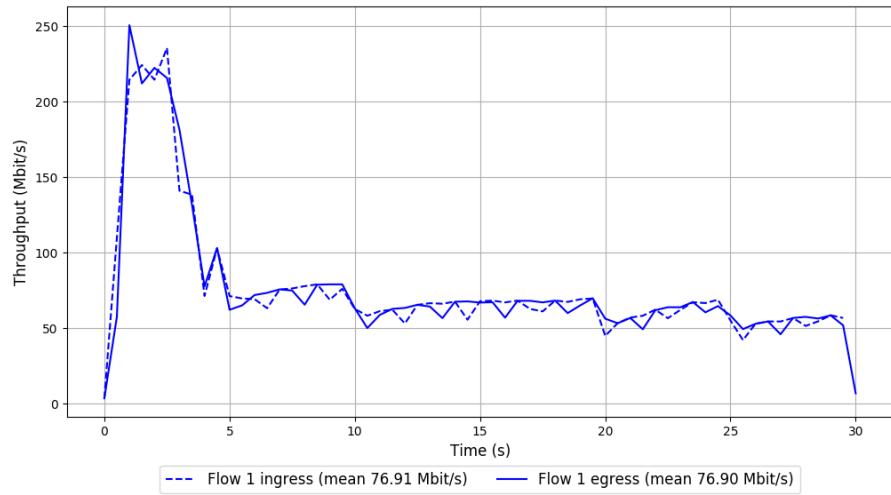
Run 9: Statistics of TCP Cubic

Start at: 2018-01-26 01:41:57

End at: 2018-01-26 01:42:27

```
# Below is generated by plot.py at 2018-01-26 02:51:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.90 Mbit/s
95th percentile per-packet one-way delay: 57.436 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 76.90 Mbit/s
95th percentile per-packet one-way delay: 57.436 ms
Loss rate: 0.01%
```

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



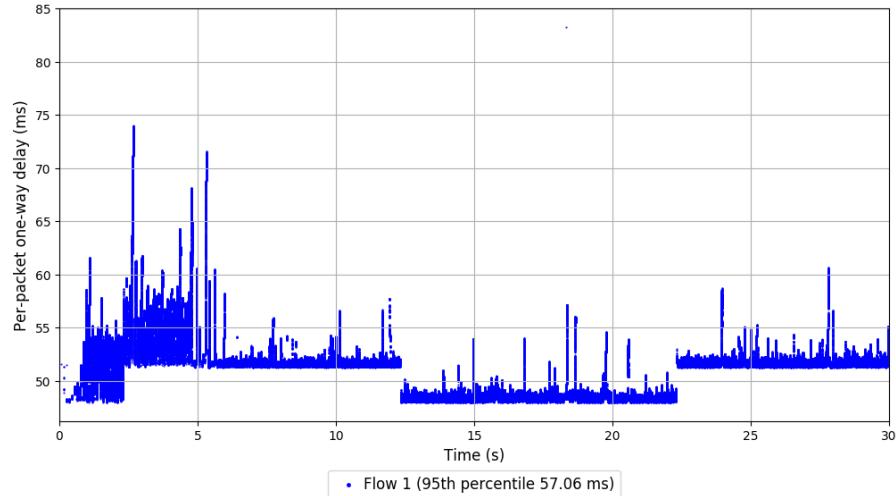
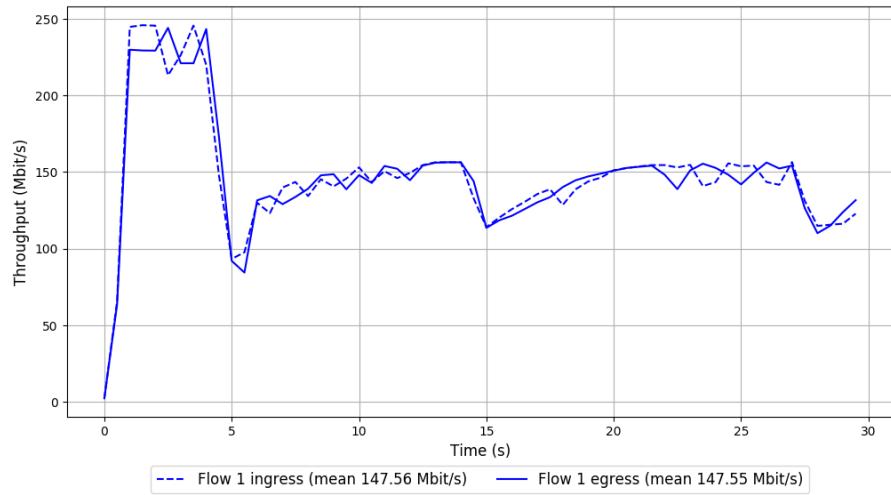
Run 10: Statistics of TCP Cubic

Start at: 2018-01-26 01:53:50

End at: 2018-01-26 01:54:20

```
# Below is generated by plot.py at 2018-01-26 02:52:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 147.55 Mbit/s
95th percentile per-packet one-way delay: 57.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.55 Mbit/s
95th percentile per-packet one-way delay: 57.056 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Cubic — Data Link

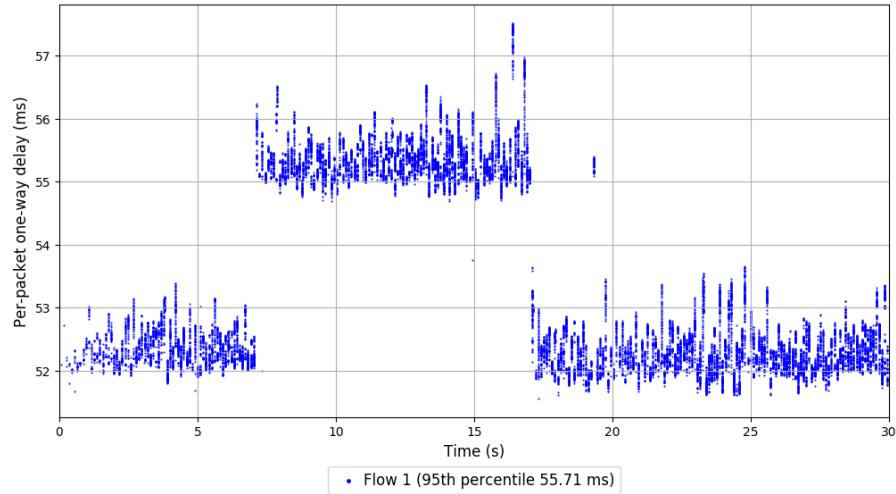
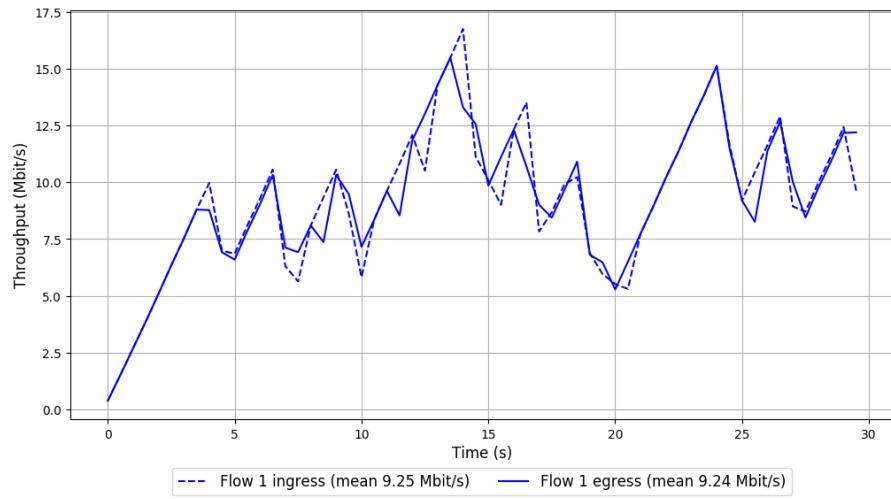


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-26 00:08:45
End at: 2018-01-26 00:09:15

# Below is generated by plot.py at 2018-01-26 02:52:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 55.712 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 55.712 ms
Loss rate: 0.09%
```

## Run 1: Report of LEDBAT — Data Link



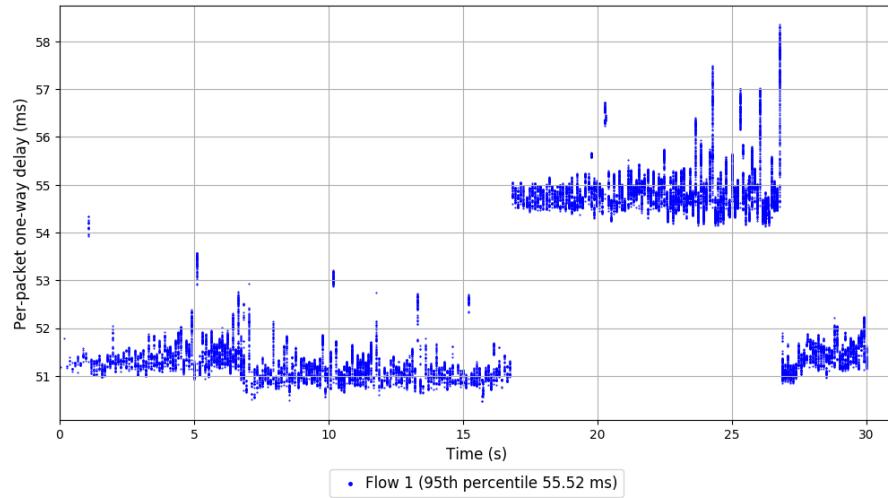
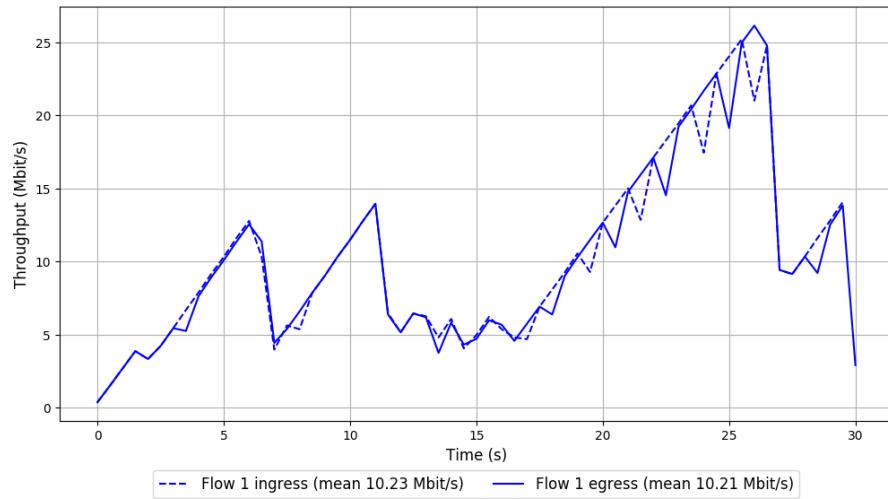
Run 2: Statistics of LEDBAT

Start at: 2018-01-26 00:20:25

End at: 2018-01-26 00:20:55

```
# Below is generated by plot.py at 2018-01-26 02:52:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.21 Mbit/s
95th percentile per-packet one-way delay: 55.522 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 10.21 Mbit/s
95th percentile per-packet one-way delay: 55.522 ms
Loss rate: 0.12%
```

## Run 2: Report of LEDBAT — Data Link



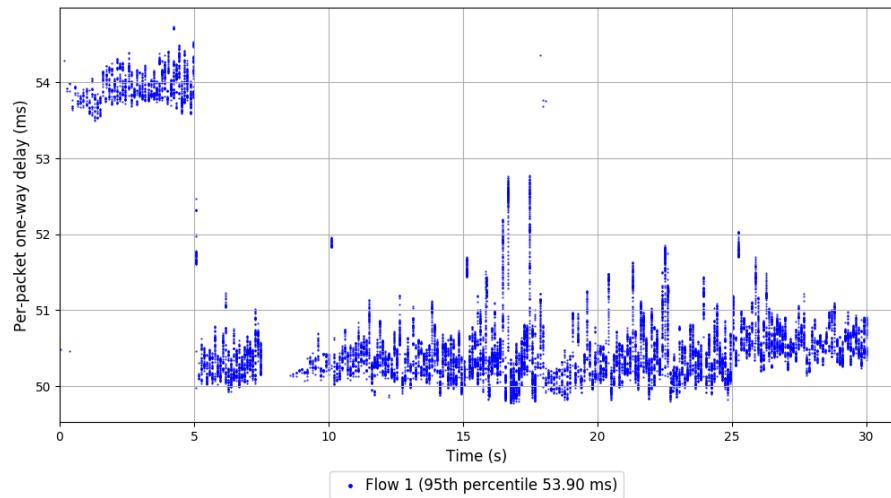
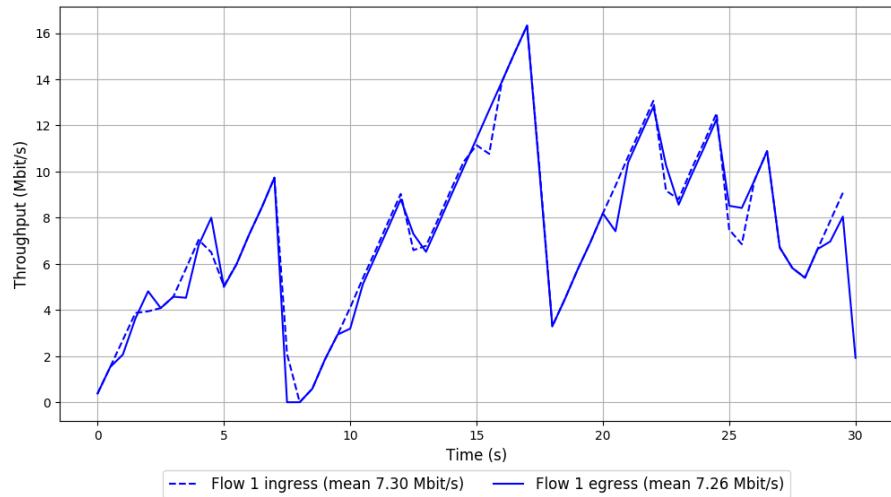
```
Run 3: Statistics of LEDBAT
```

```
Start at: 2018-01-26 00:32:17
```

```
End at: 2018-01-26 00:32:47
```

```
# Below is generated by plot.py at 2018-01-26 02:52:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 53.904 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 53.904 ms
Loss rate: 0.53%
```

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



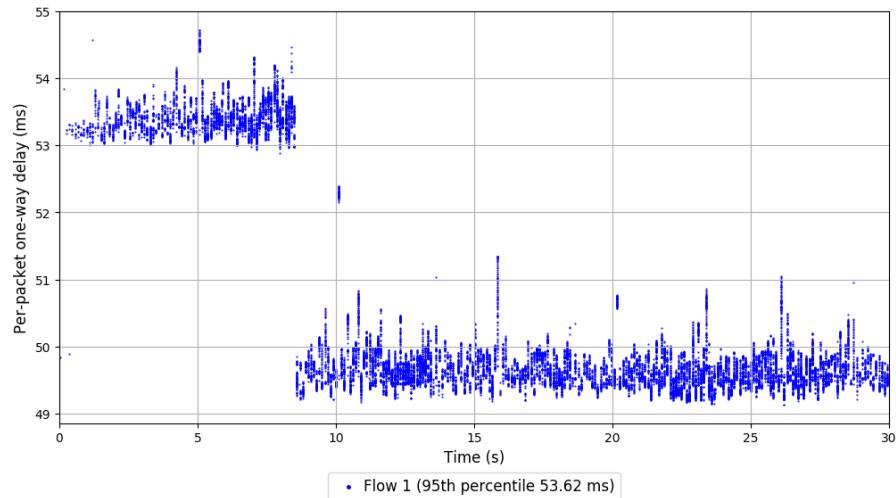
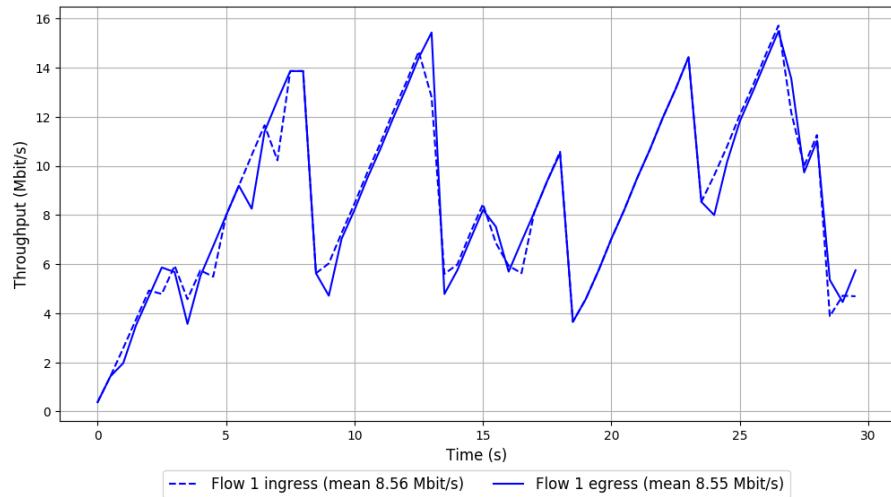
Run 4: Statistics of LEDBAT

Start at: 2018-01-26 00:44:03

End at: 2018-01-26 00:44:33

```
# Below is generated by plot.py at 2018-01-26 02:52:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.55 Mbit/s
95th percentile per-packet one-way delay: 53.622 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 8.55 Mbit/s
95th percentile per-packet one-way delay: 53.622 ms
Loss rate: 0.12%
```

## Run 4: Report of LEDBAT — Data Link



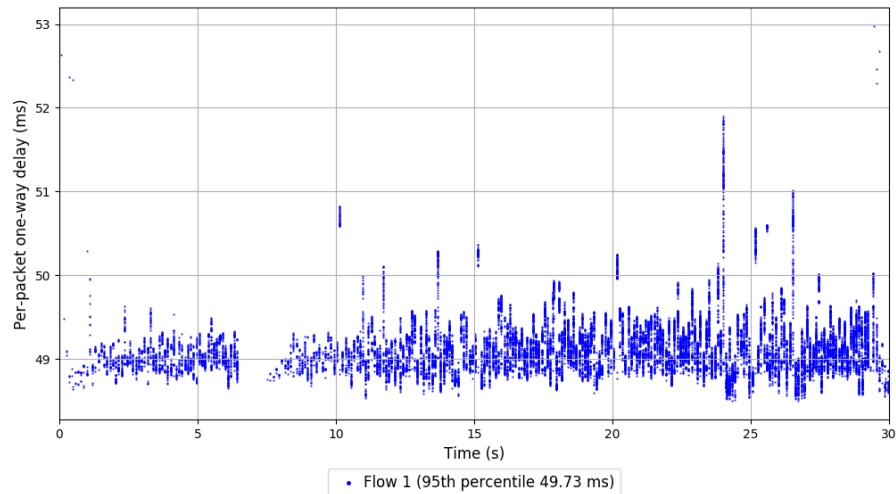
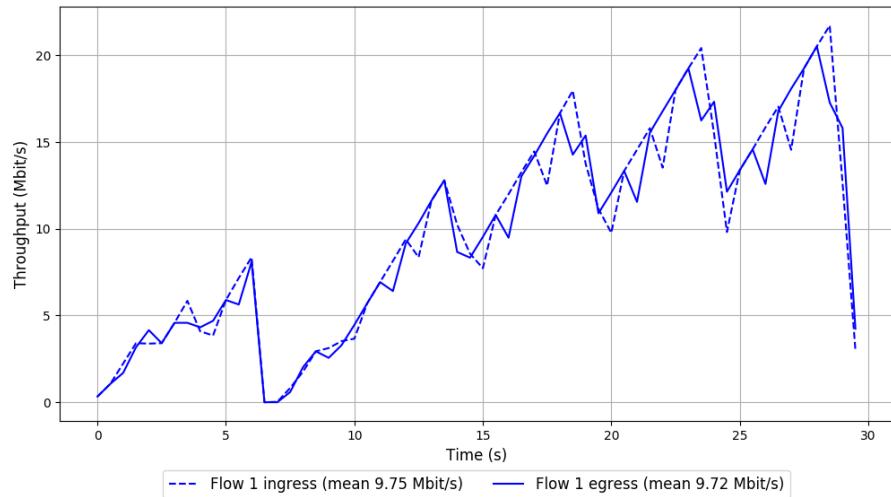
```
Run 5: Statistics of LEDBAT
```

```
Start at: 2018-01-26 00:56:05
```

```
End at: 2018-01-26 00:56:35
```

```
# Below is generated by plot.py at 2018-01-26 02:52:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.72 Mbit/s
95th percentile per-packet one-way delay: 49.726 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 9.72 Mbit/s
95th percentile per-packet one-way delay: 49.726 ms
Loss rate: 0.35%
```

## Run 5: Report of LEDBAT — Data Link



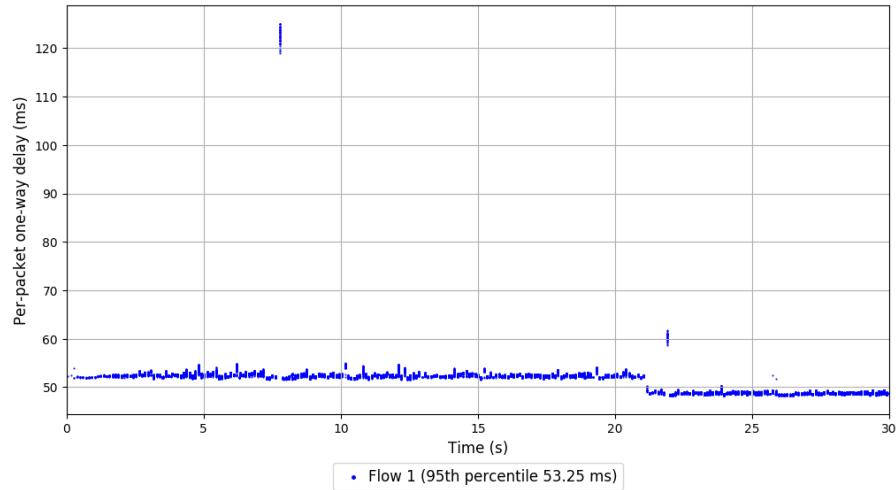
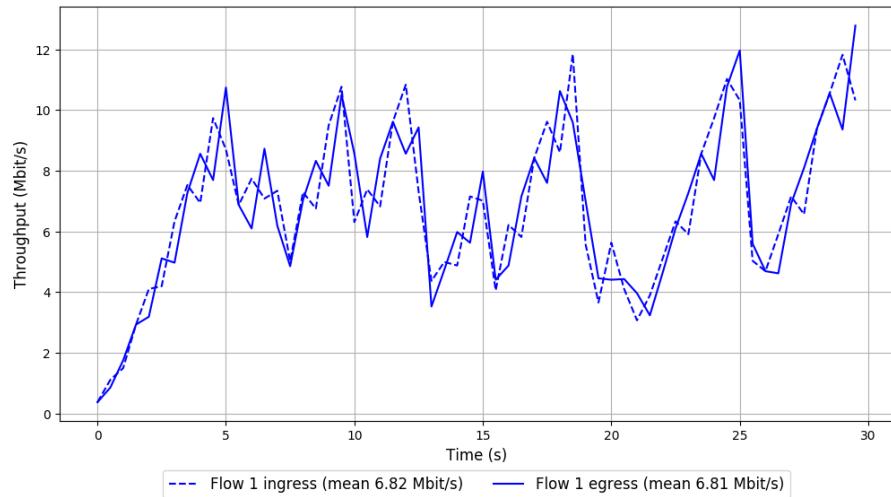
```
Run 6: Statistics of LEDBAT
```

```
Start at: 2018-01-26 01:07:51
```

```
End at: 2018-01-26 01:08:21
```

```
# Below is generated by plot.py at 2018-01-26 02:52:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 53.253 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 53.253 ms
Loss rate: 0.12%
```

## Run 6: Report of LEDBAT — Data Link



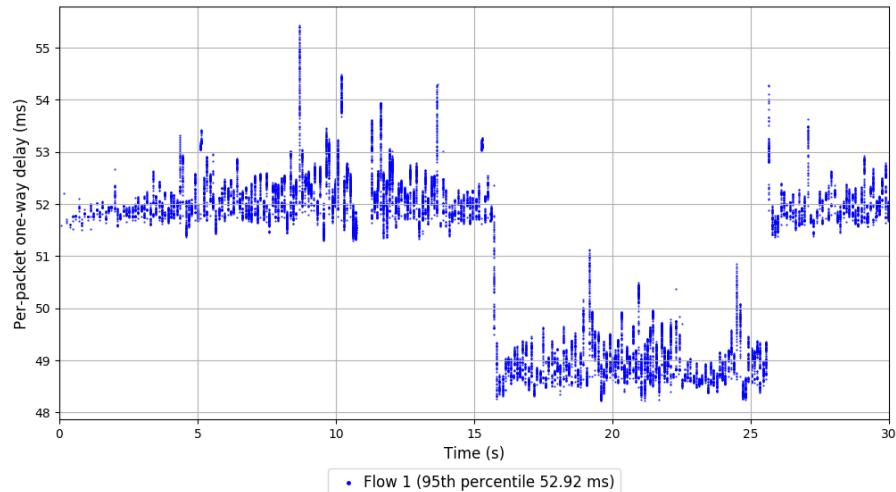
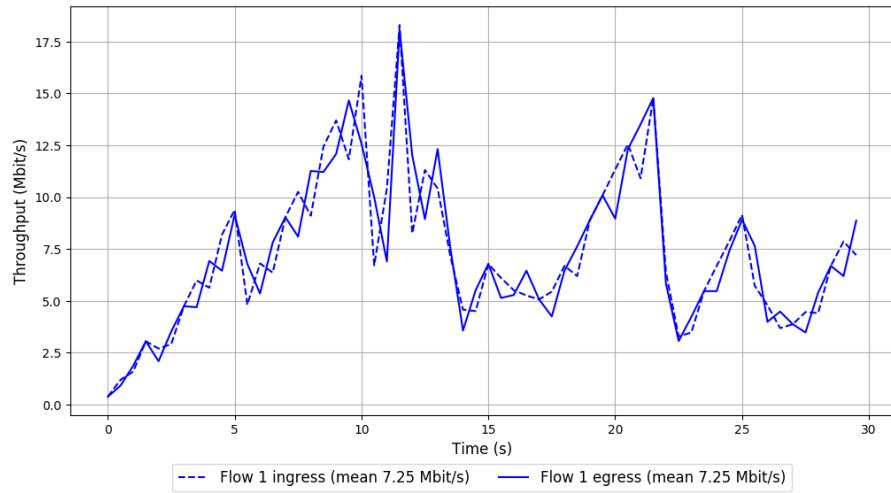
Run 7: Statistics of LEDBAT

Start at: 2018-01-26 01:19:26

End at: 2018-01-26 01:19:56

```
# Below is generated by plot.py at 2018-01-26 02:52:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 52.918 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 52.918 ms
Loss rate: 0.02%
```

## Run 7: Report of LEDBAT — Data Link



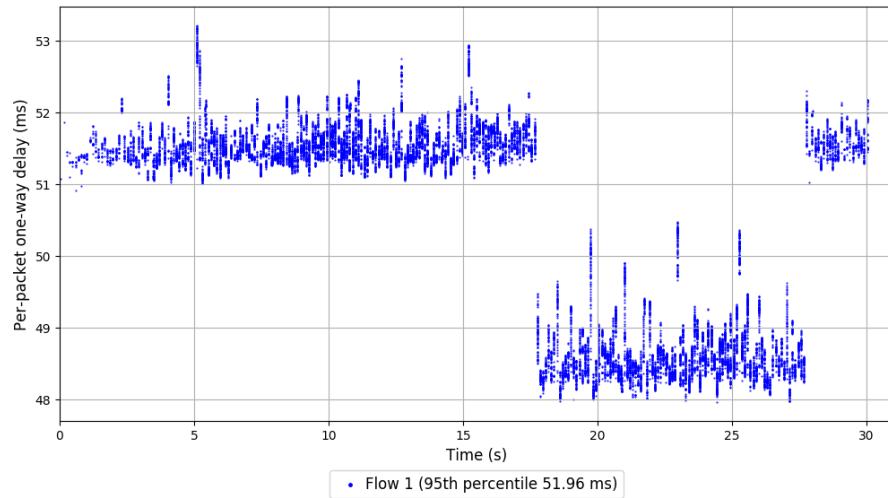
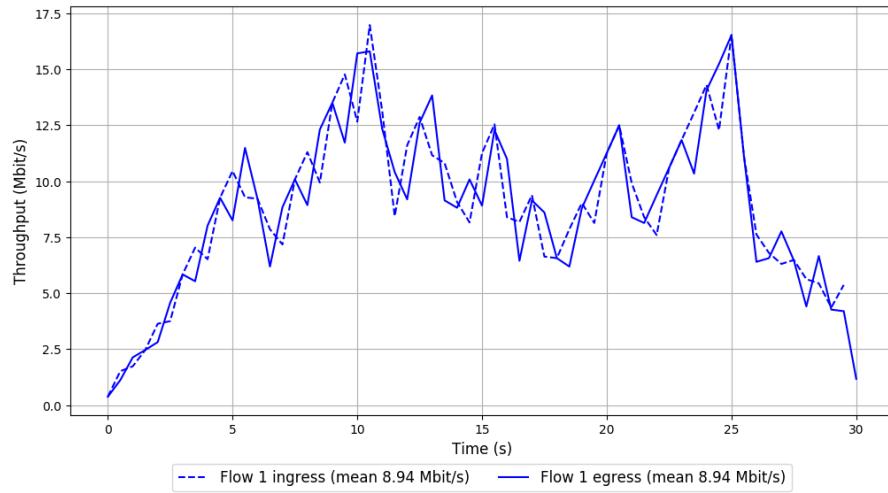
Run 8: Statistics of LEDBAT

Start at: 2018-01-26 01:31:24

End at: 2018-01-26 01:31:54

```
# Below is generated by plot.py at 2018-01-26 02:52:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.94 Mbit/s
95th percentile per-packet one-way delay: 51.961 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 8.94 Mbit/s
95th percentile per-packet one-way delay: 51.961 ms
Loss rate: 0.02%
```

Run 8: Report of LEDBAT — Data Link



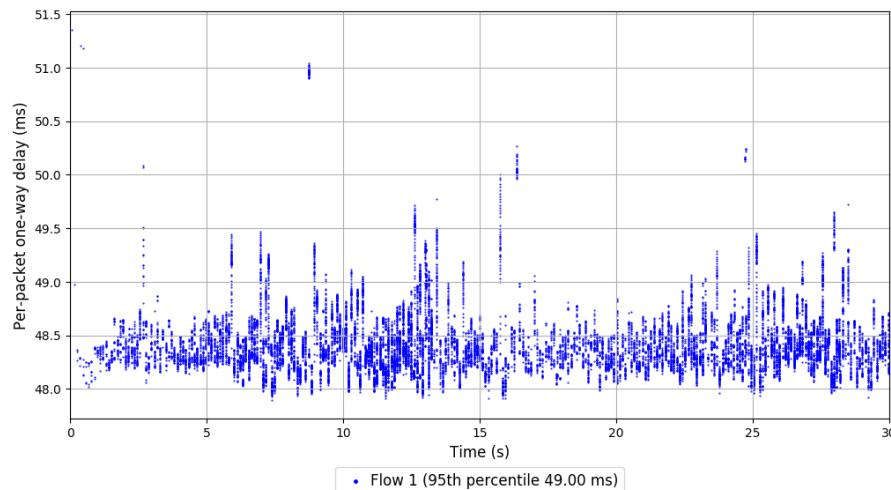
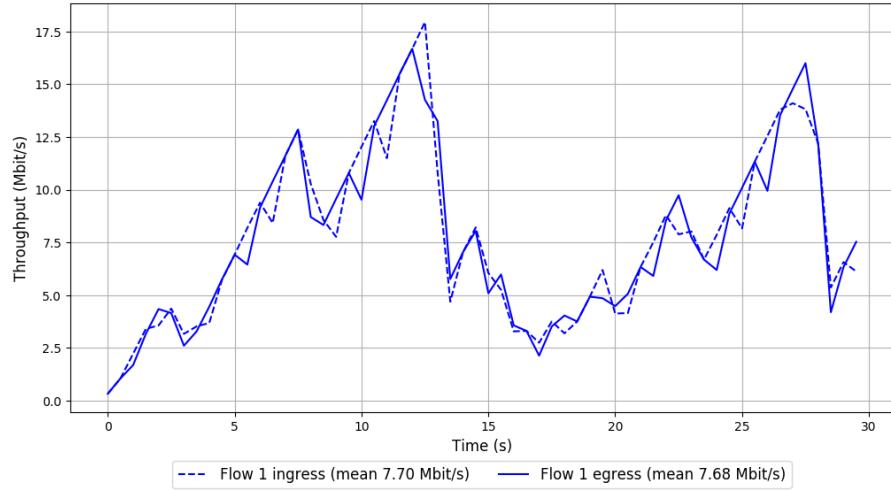
```
Run 9: Statistics of LEDBAT
```

```
Start at: 2018-01-26 01:43:19
```

```
End at: 2018-01-26 01:43:49
```

```
# Below is generated by plot.py at 2018-01-26 02:52:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 48.996 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 48.996 ms
Loss rate: 0.19%
```

## Run 9: Report of LEDBAT — Data Link



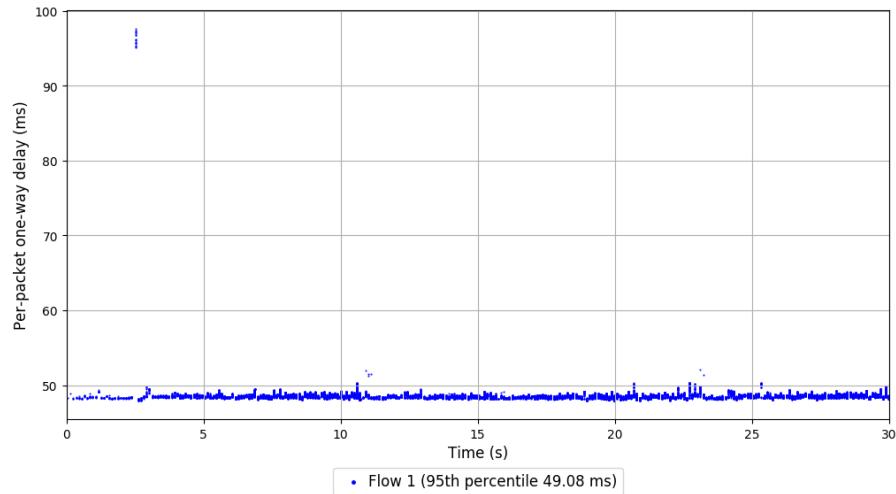
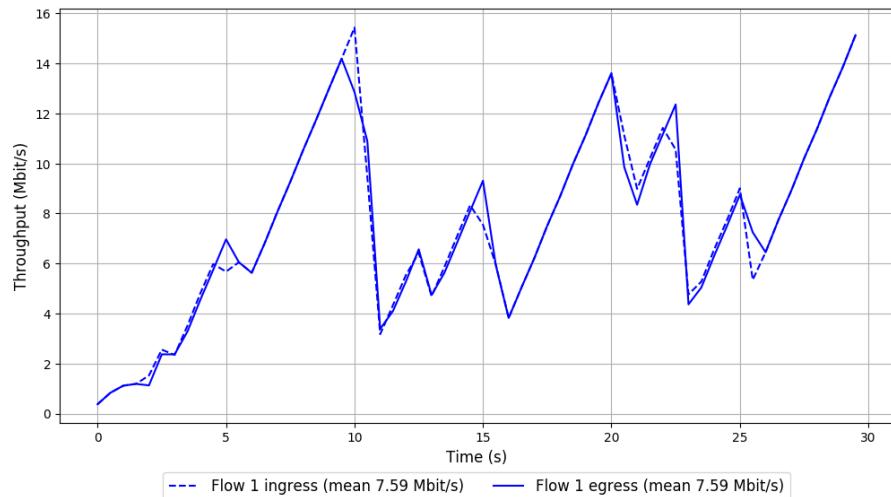
Run 10: Statistics of LEDBAT

Start at: 2018-01-26 01:55:19

End at: 2018-01-26 01:55:49

```
# Below is generated by plot.py at 2018-01-26 02:52:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 49.076 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 49.076 ms
Loss rate: 0.07%
```

## Run 10: Report of LEDBAT — Data Link

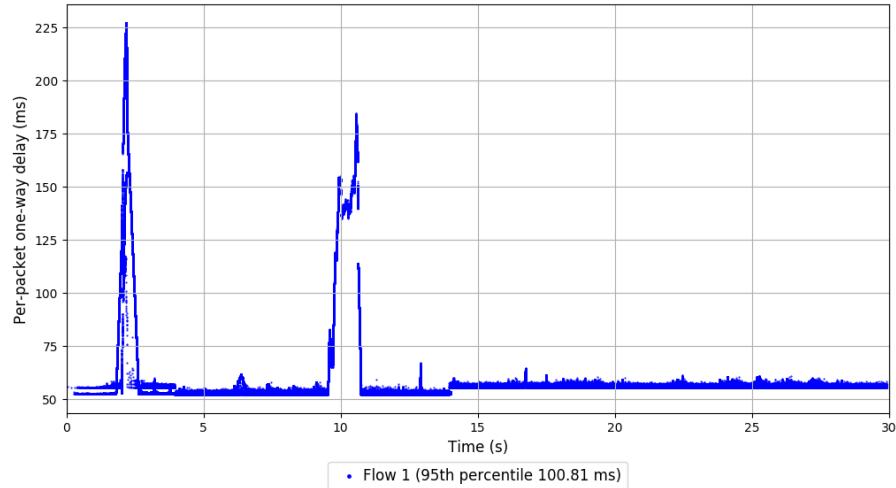
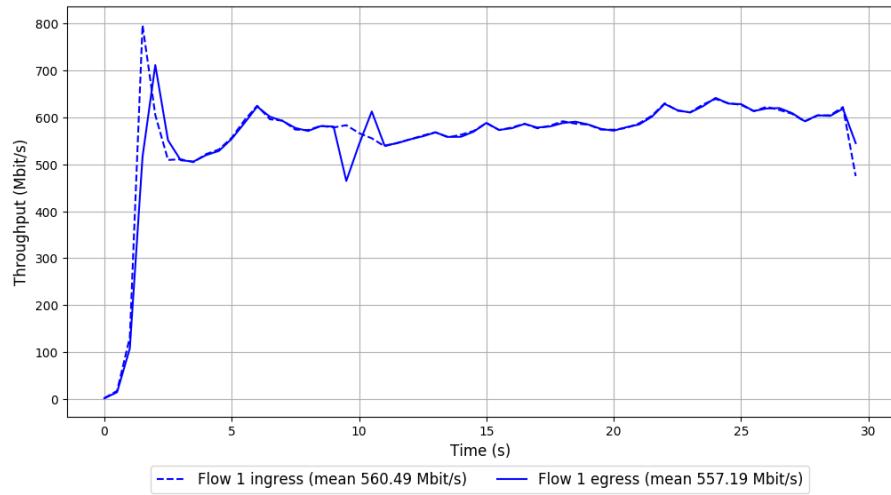


```
Run 1: Statistics of PCC

Start at: 2018-01-26 00:00:28
End at: 2018-01-26 00:00:58

# Below is generated by plot.py at 2018-01-26 02:59:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 557.19 Mbit/s
95th percentile per-packet one-way delay: 100.810 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 557.19 Mbit/s
95th percentile per-packet one-way delay: 100.810 ms
Loss rate: 0.59%
```

### Run 1: Report of PCC — Data Link



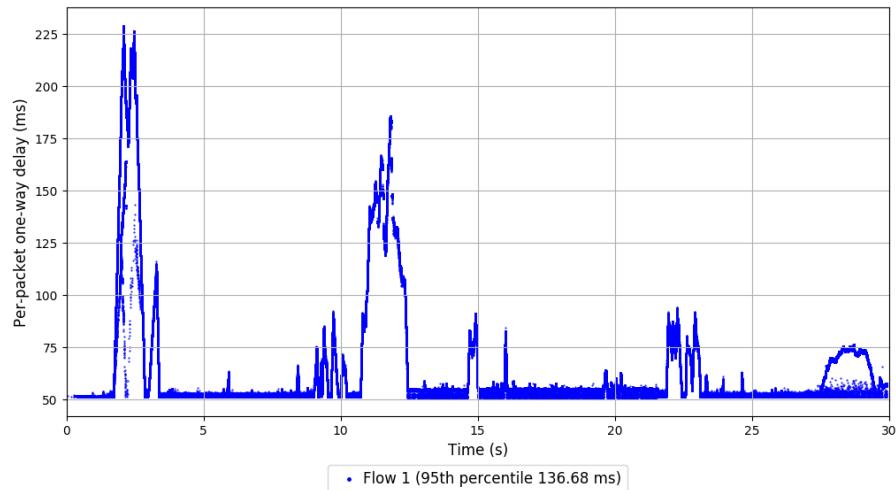
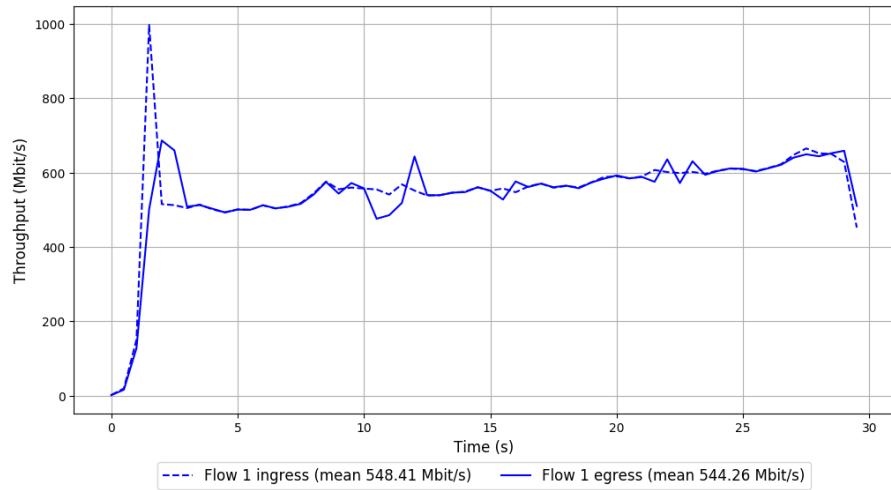
Run 2: Statistics of PCC

Start at: 2018-01-26 00:12:20

End at: 2018-01-26 00:12:50

```
# Below is generated by plot.py at 2018-01-26 02:59:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 544.26 Mbit/s
95th percentile per-packet one-way delay: 136.684 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 544.26 Mbit/s
95th percentile per-packet one-way delay: 136.684 ms
Loss rate: 0.75%
```

## Run 2: Report of PCC — Data Link



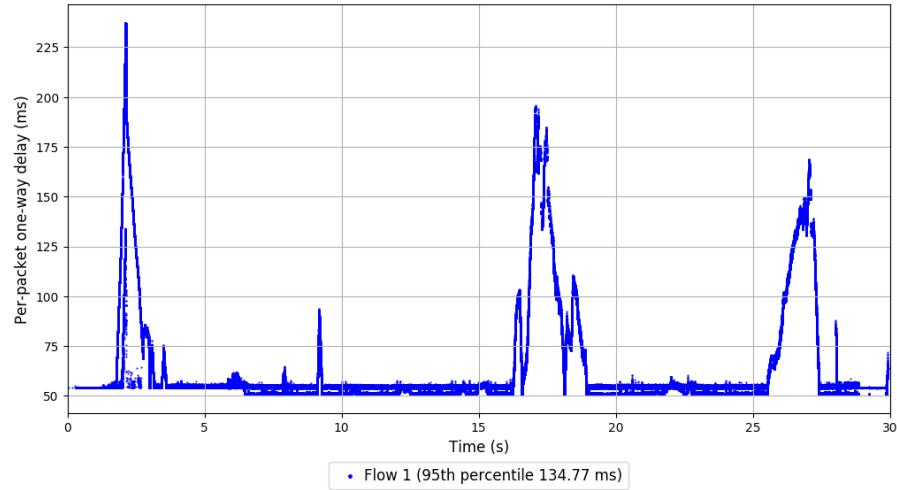
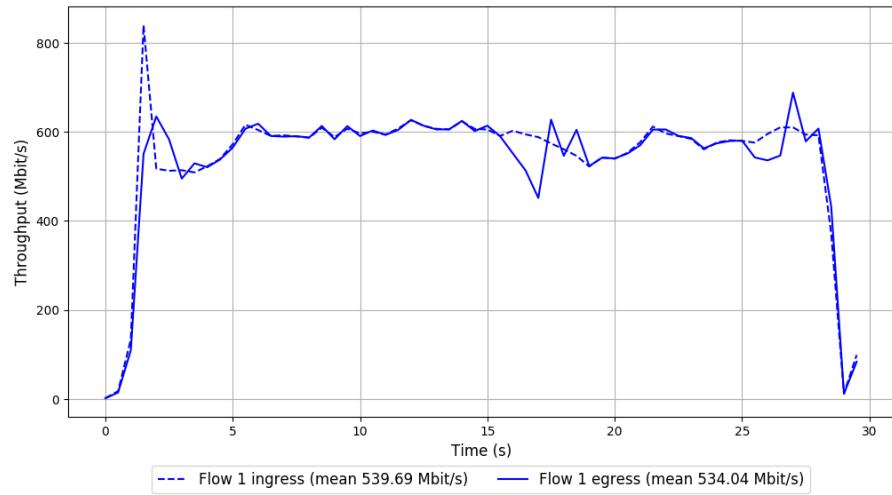
Run 3: Statistics of PCC

Start at: 2018-01-26 00:24:06

End at: 2018-01-26 00:24:36

```
# Below is generated by plot.py at 2018-01-26 02:59:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 534.04 Mbit/s
95th percentile per-packet one-way delay: 134.774 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 534.04 Mbit/s
95th percentile per-packet one-way delay: 134.774 ms
Loss rate: 1.06%
```

### Run 3: Report of PCC — Data Link



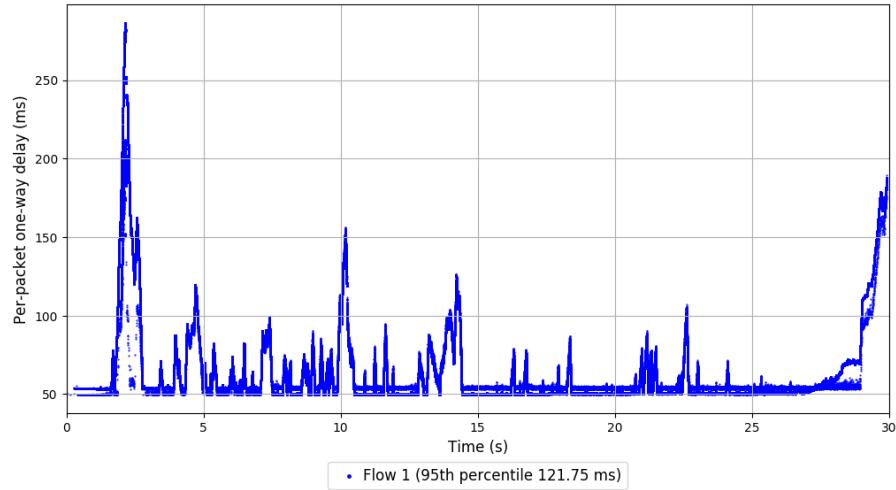
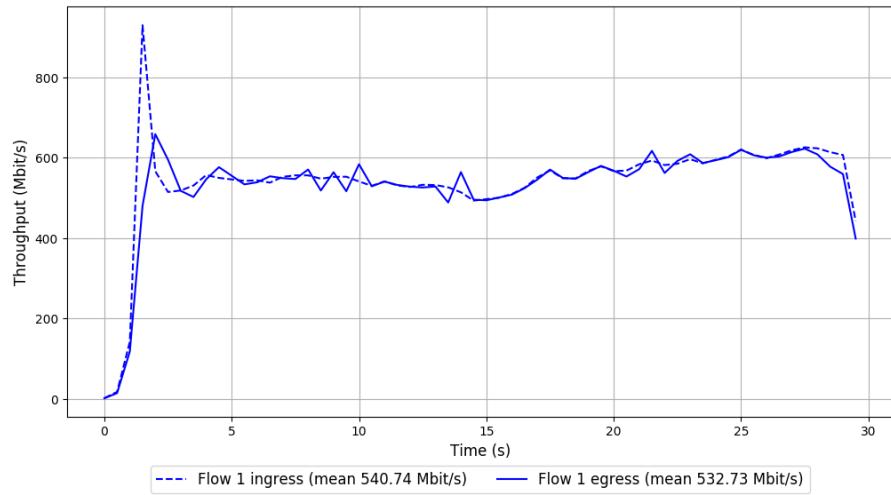
Run 4: Statistics of PCC

Start at: 2018-01-26 00:35:54

End at: 2018-01-26 00:36:24

```
# Below is generated by plot.py at 2018-01-26 02:59:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 532.73 Mbit/s
95th percentile per-packet one-way delay: 121.745 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 532.73 Mbit/s
95th percentile per-packet one-way delay: 121.745 ms
Loss rate: 1.48%
```

## Run 4: Report of PCC — Data Link



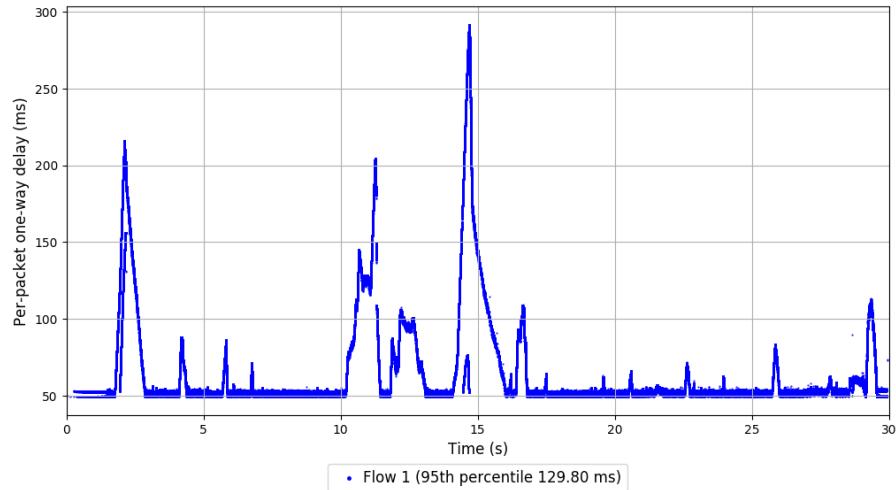
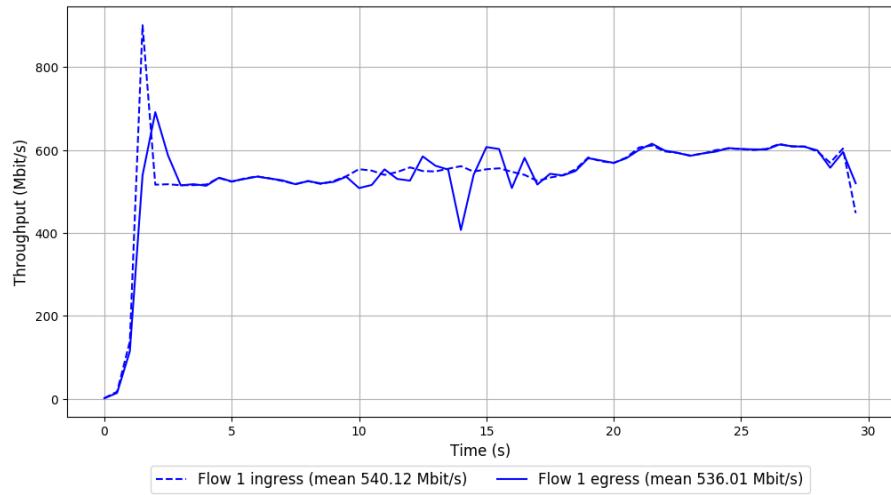
Run 5: Statistics of PCC

Start at: 2018-01-26 00:47:43

End at: 2018-01-26 00:48:13

```
# Below is generated by plot.py at 2018-01-26 02:59:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 536.01 Mbit/s
95th percentile per-packet one-way delay: 129.801 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 536.01 Mbit/s
95th percentile per-packet one-way delay: 129.801 ms
Loss rate: 0.71%
```

### Run 5: Report of PCC — Data Link



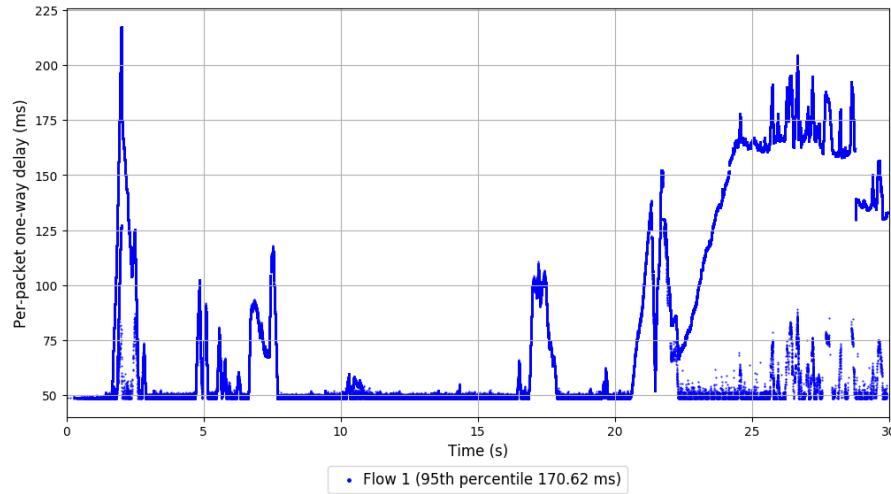
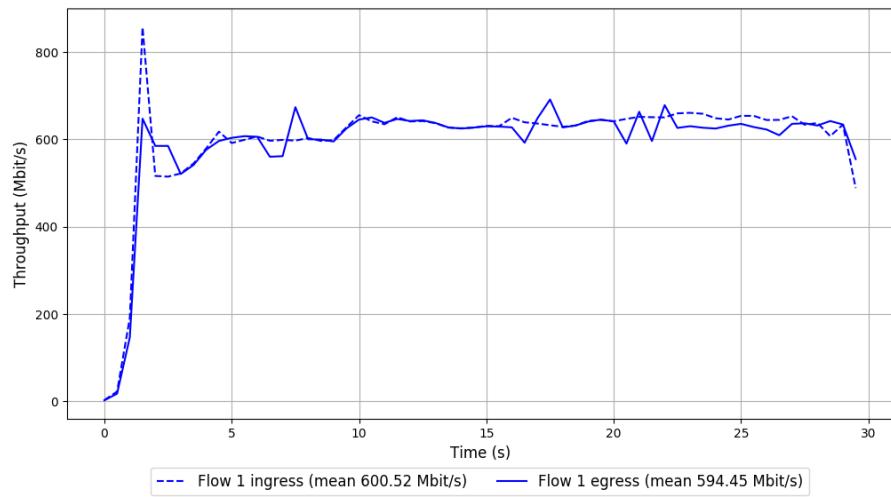
Run 6: Statistics of PCC

Start at: 2018-01-26 00:59:44

End at: 2018-01-26 01:00:15

```
# Below is generated by plot.py at 2018-01-26 03:01:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 594.45 Mbit/s
95th percentile per-packet one-way delay: 170.619 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 594.45 Mbit/s
95th percentile per-packet one-way delay: 170.619 ms
Loss rate: 1.00%
```

Run 6: Report of PCC — Data Link



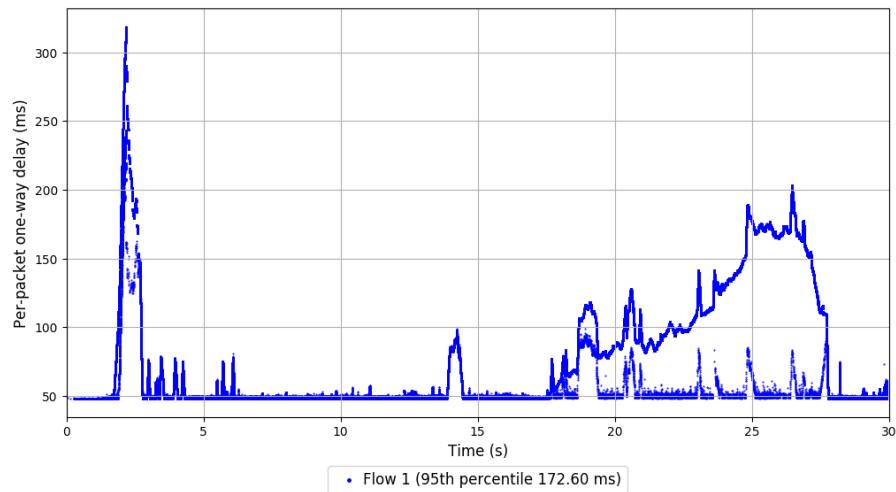
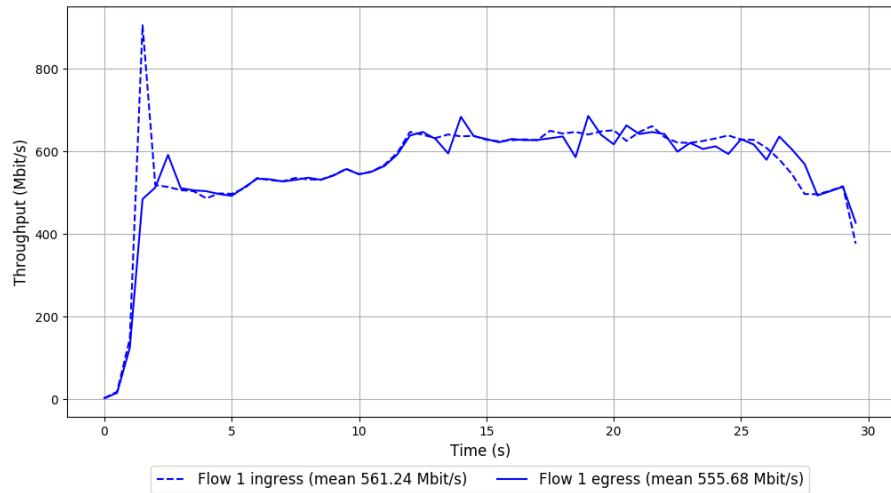
Run 7: Statistics of PCC

Start at: 2018-01-26 01:11:34

End at: 2018-01-26 01:12:04

```
# Below is generated by plot.py at 2018-01-26 03:01:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 555.68 Mbit/s
95th percentile per-packet one-way delay: 172.604 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 555.68 Mbit/s
95th percentile per-packet one-way delay: 172.604 ms
Loss rate: 0.99%
```

### Run 7: Report of PCC — Data Link



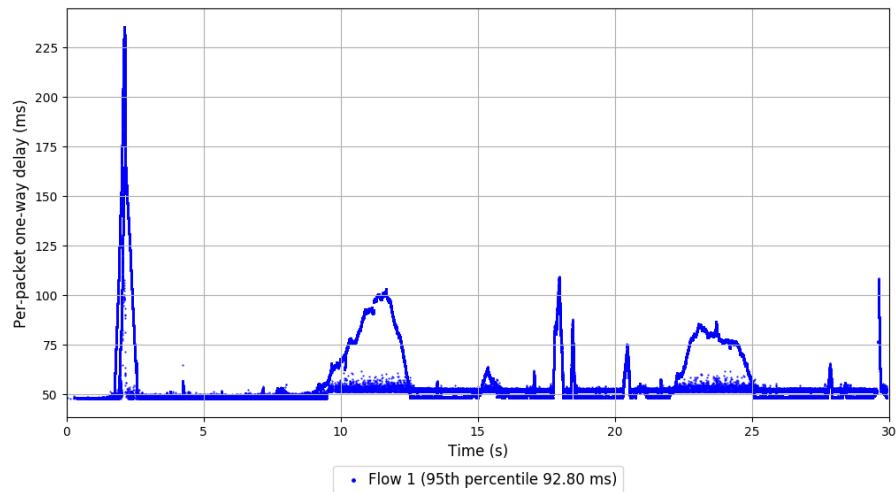
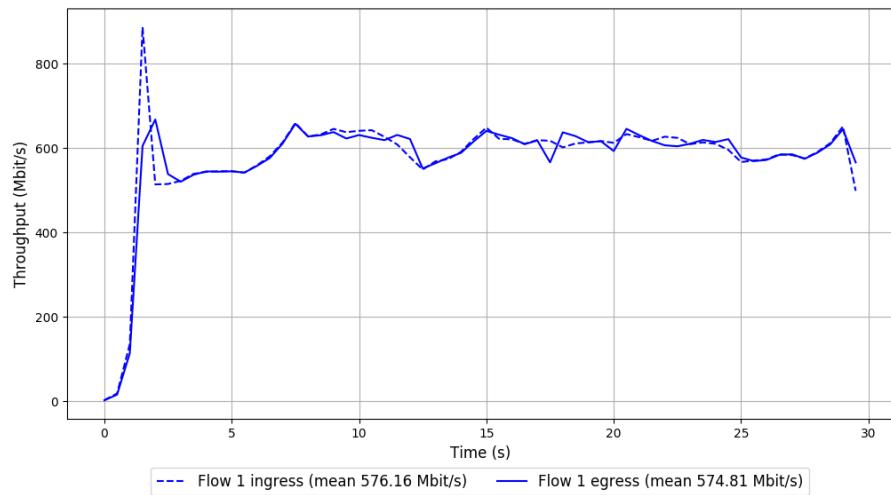
Run 8: Statistics of PCC

Start at: 2018-01-26 01:23:02

End at: 2018-01-26 01:23:32

```
# Below is generated by plot.py at 2018-01-26 03:03:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 574.81 Mbit/s
95th percentile per-packet one-way delay: 92.798 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 574.81 Mbit/s
95th percentile per-packet one-way delay: 92.798 ms
Loss rate: 0.23%
```

Run 8: Report of PCC — Data Link



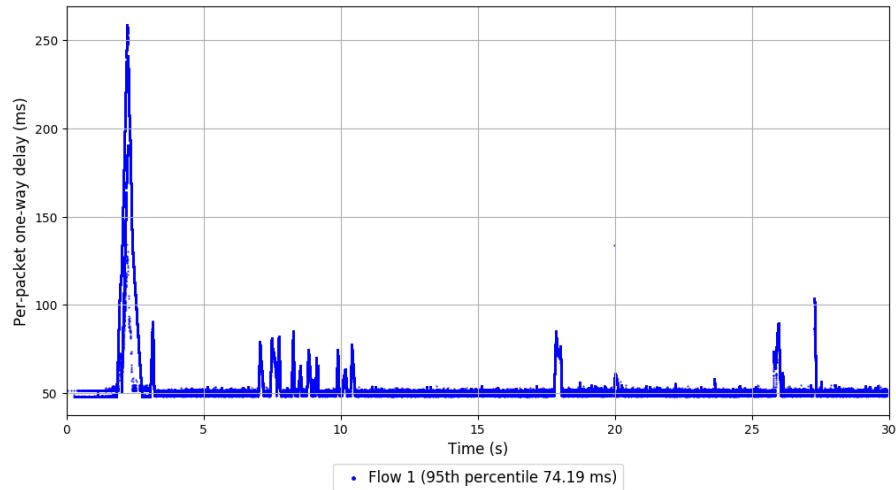
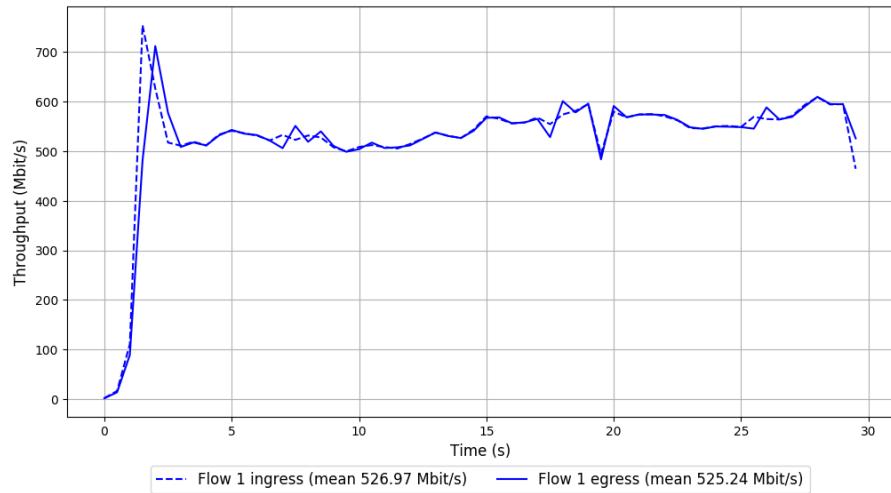
Run 9: Statistics of PCC

Start at: 2018-01-26 01:35:09

End at: 2018-01-26 01:35:39

```
# Below is generated by plot.py at 2018-01-26 03:08:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 525.24 Mbit/s
95th percentile per-packet one-way delay: 74.187 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 525.24 Mbit/s
95th percentile per-packet one-way delay: 74.187 ms
Loss rate: 0.33%
```

## Run 9: Report of PCC — Data Link



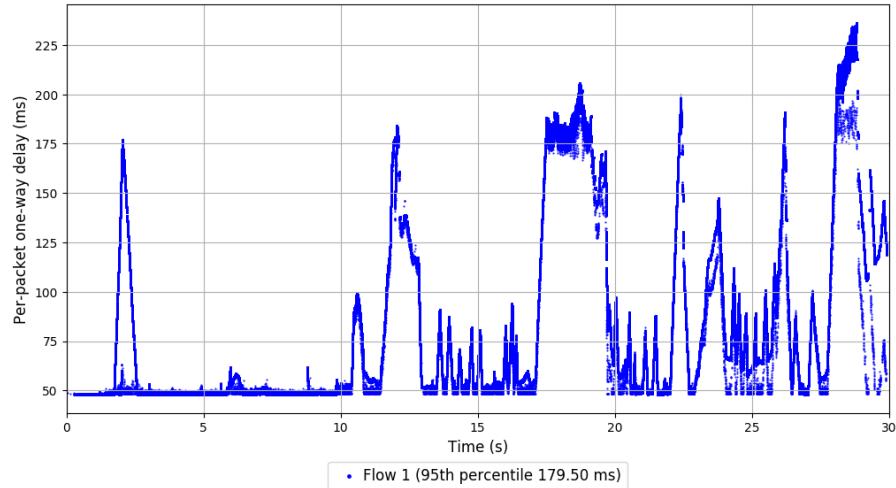
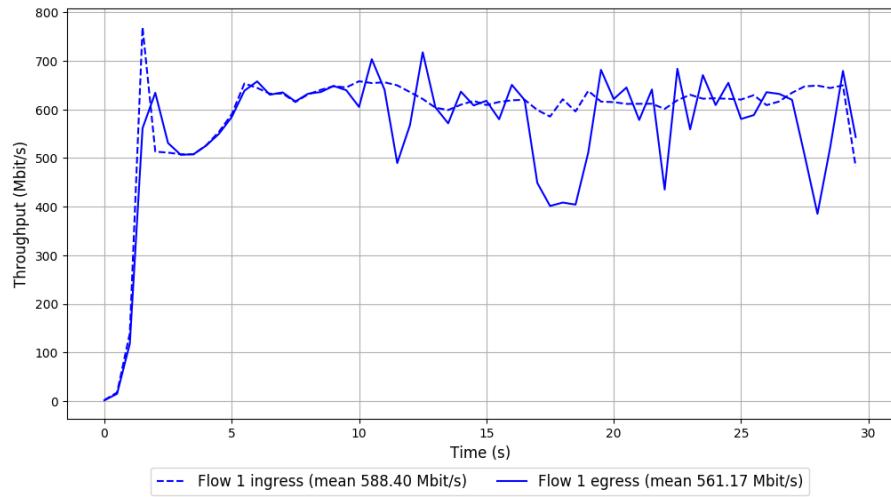
Run 10: Statistics of PCC

Start at: 2018-01-26 01:47:02

End at: 2018-01-26 01:47:32

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 561.17 Mbit/s
95th percentile per-packet one-way delay: 179.501 ms
Loss rate: 4.63%
-- Flow 1:
Average throughput: 561.17 Mbit/s
95th percentile per-packet one-way delay: 179.501 ms
Loss rate: 4.63%
```

Run 10: Report of PCC — Data Link

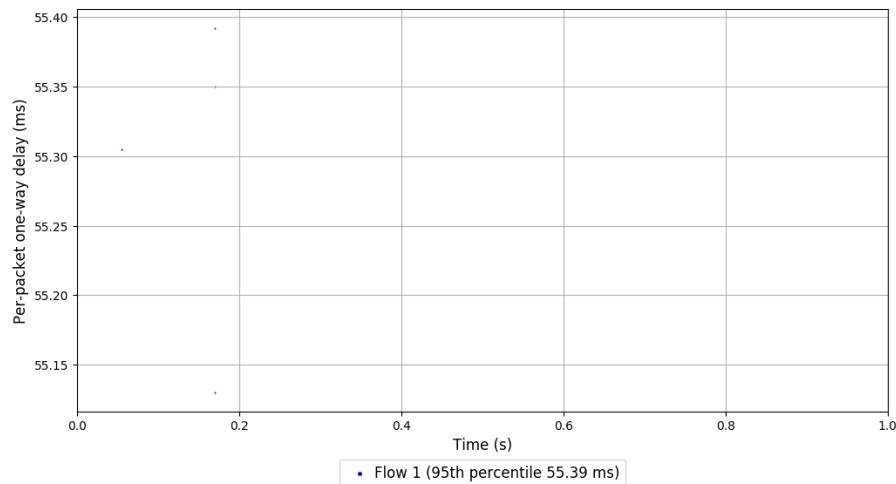
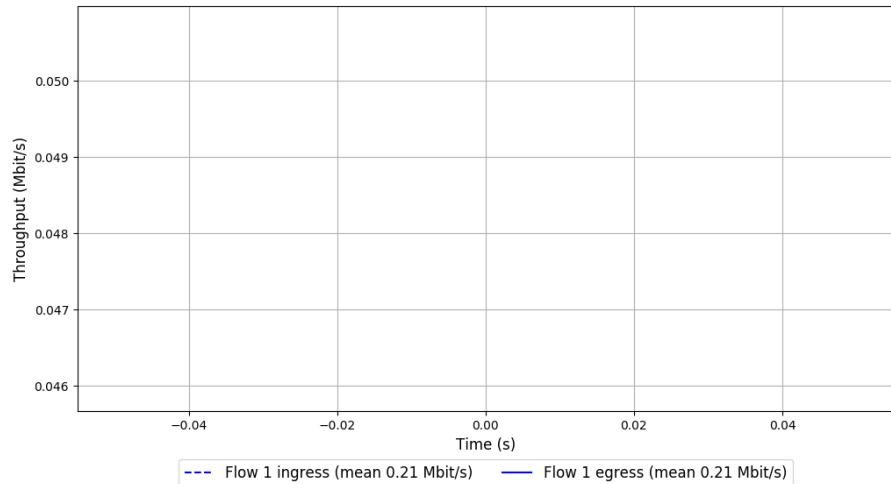


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-26 00:02:48

End at: 2018-01-26 00:03:18

Run 1: Report of QUIC Cubic — Data Link

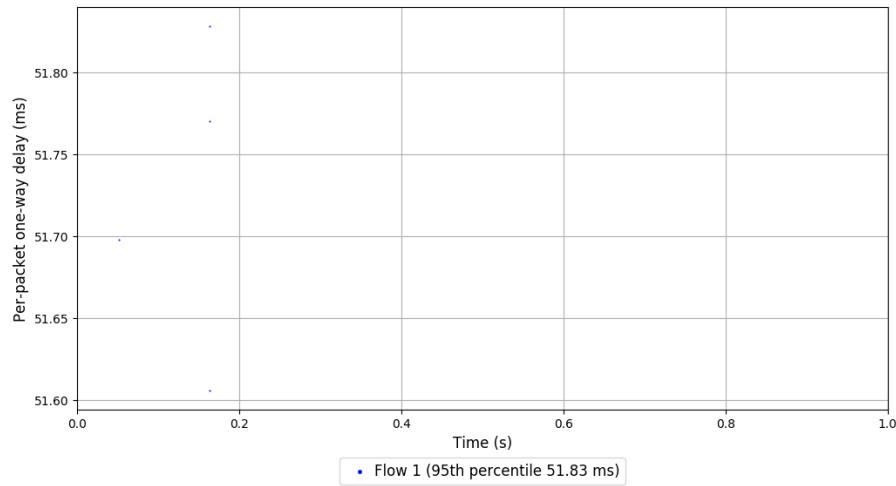
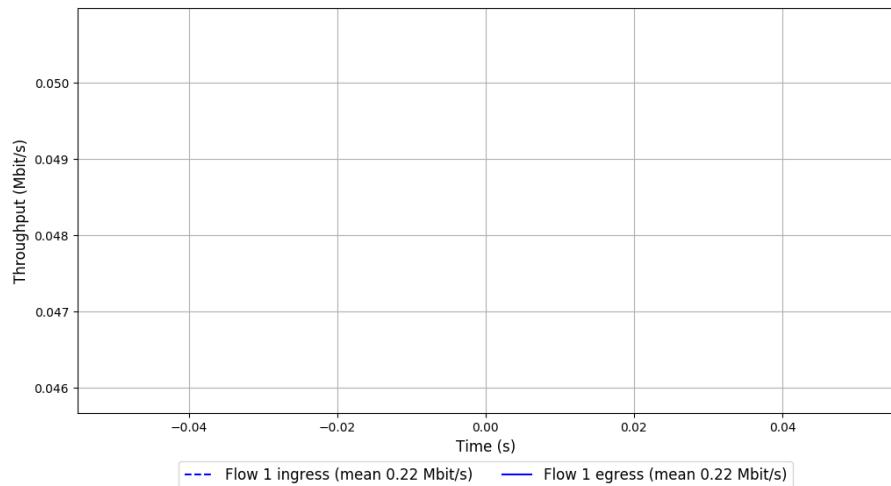


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-26 00:14:40

End at: 2018-01-26 00:15:10

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

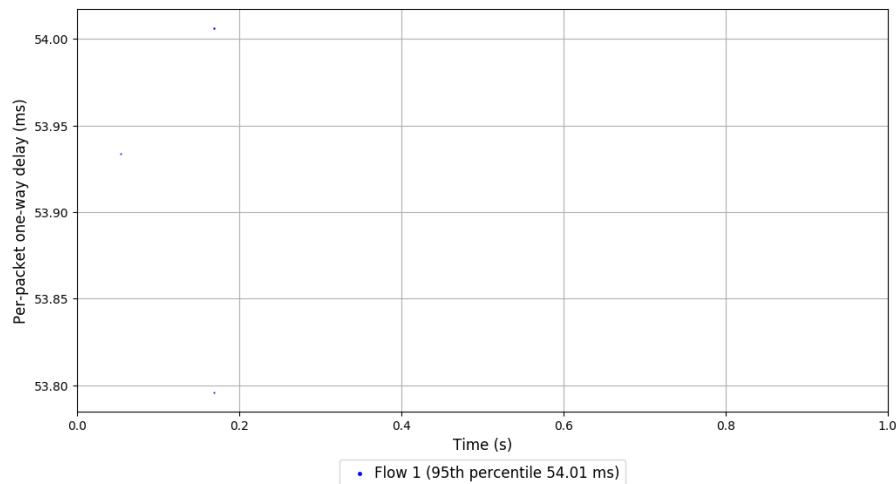
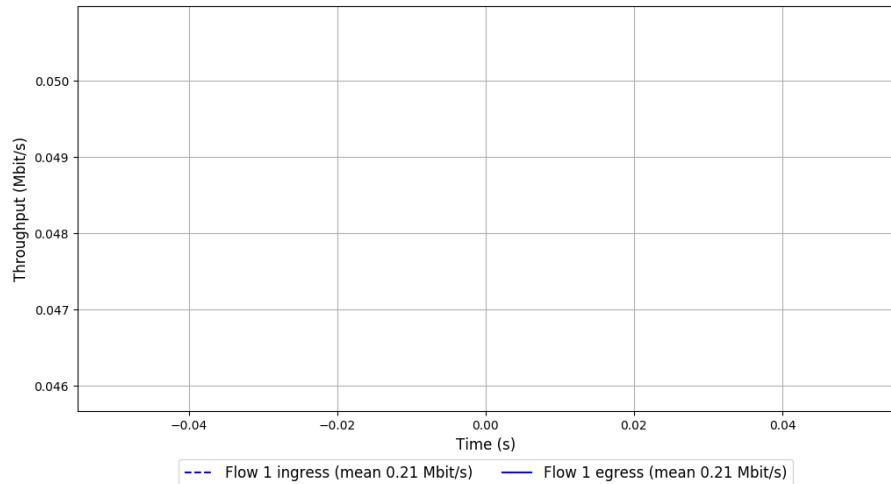


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-26 00:26:25

End at: 2018-01-26 00:26:55

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

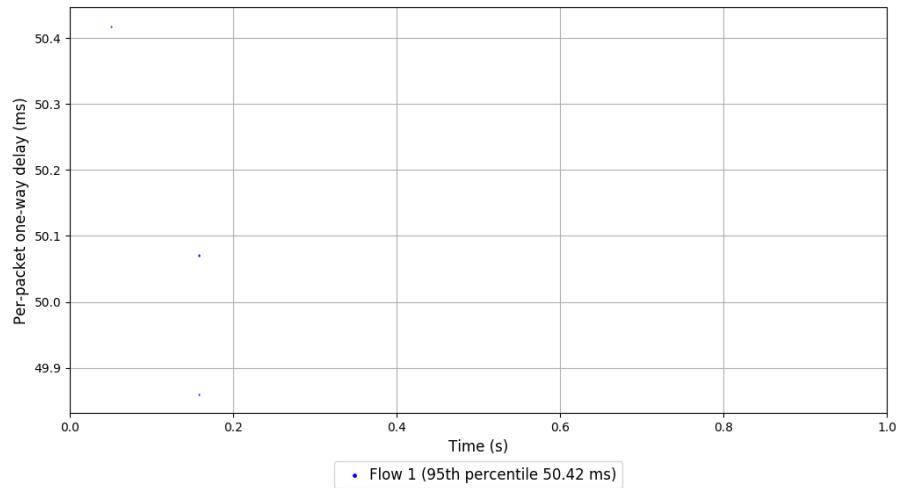
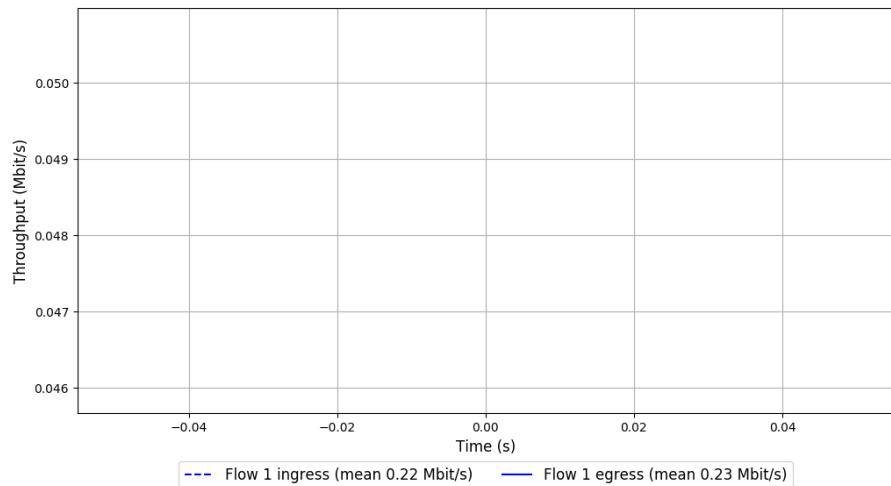


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-26 00:38:12

End at: 2018-01-26 00:38:42

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

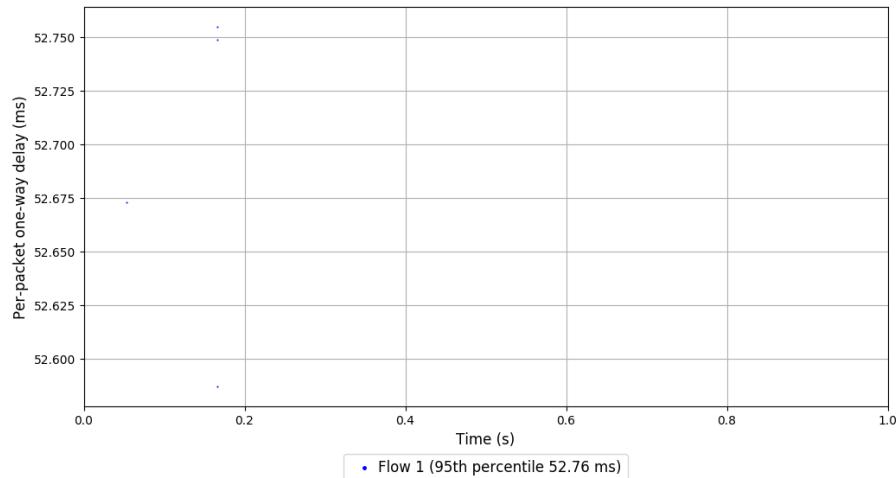
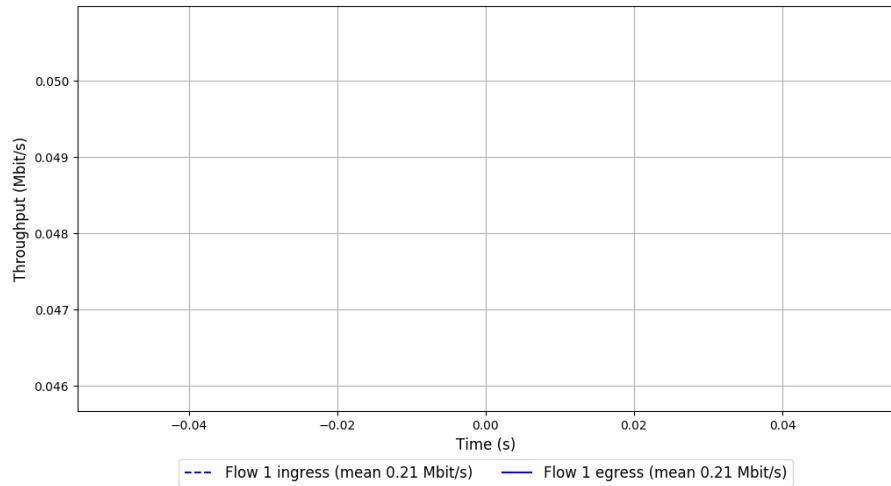


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-26 00:50:00

End at: 2018-01-26 00:50:30

Run 5: Report of QUIC Cubic — Data Link

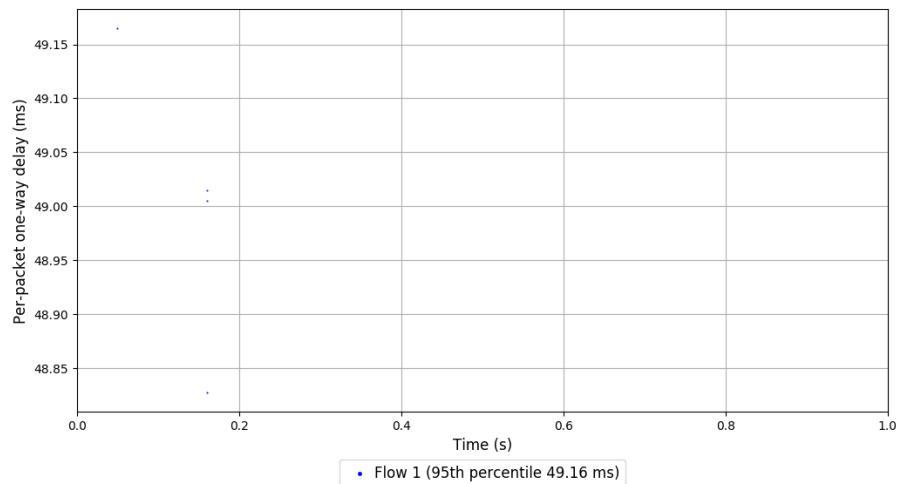
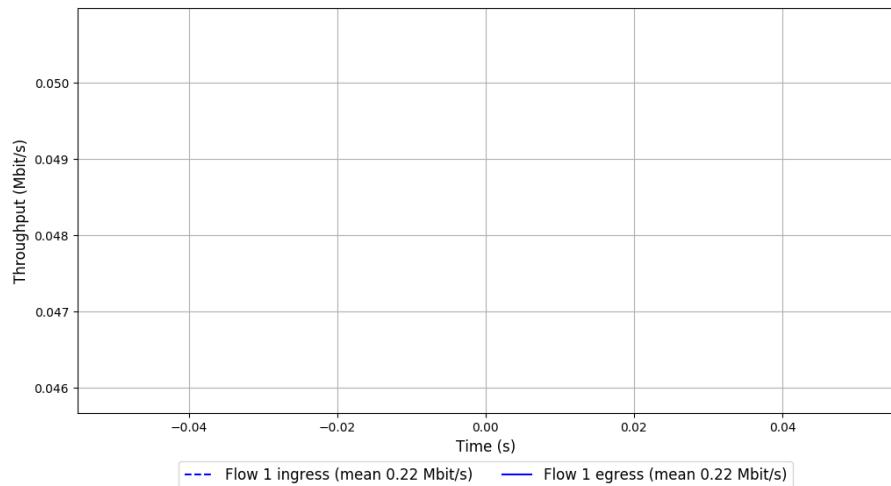


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-26 01:02:04

End at: 2018-01-26 01:02:34

Run 6: Report of QUIC Cubic — Data Link

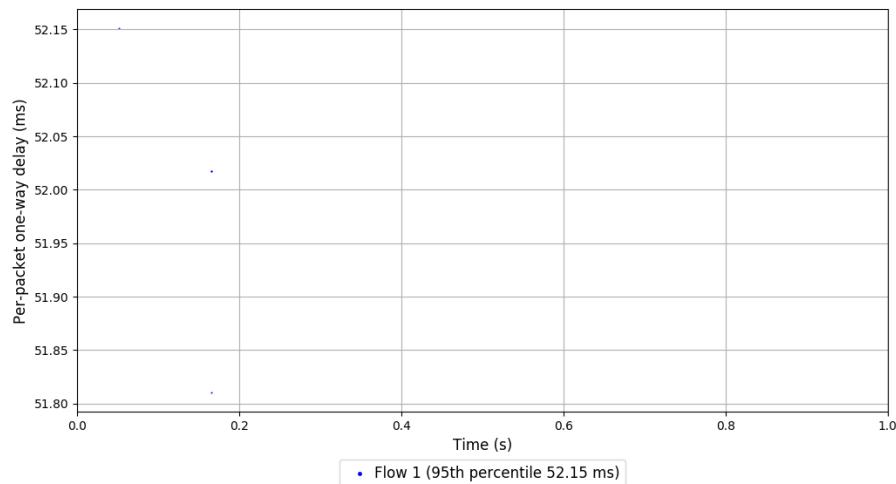
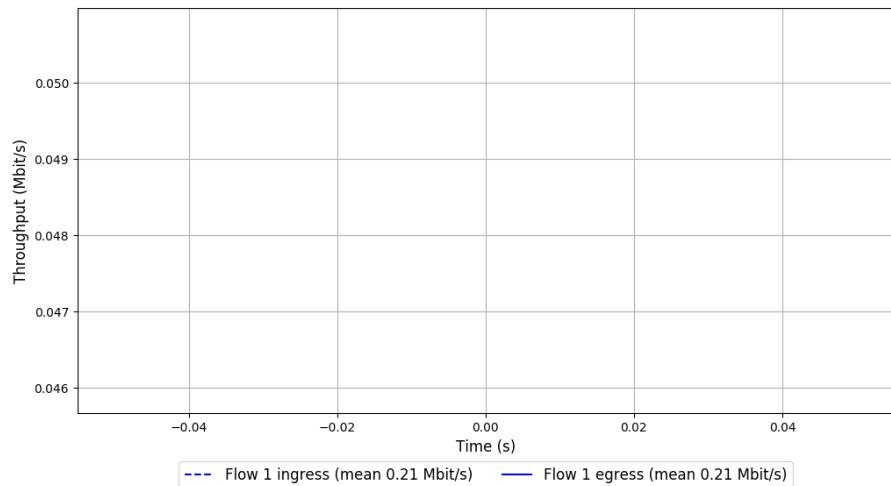


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-26 01:13:53

End at: 2018-01-26 01:14:23

Run 7: Report of QUIC Cubic — Data Link

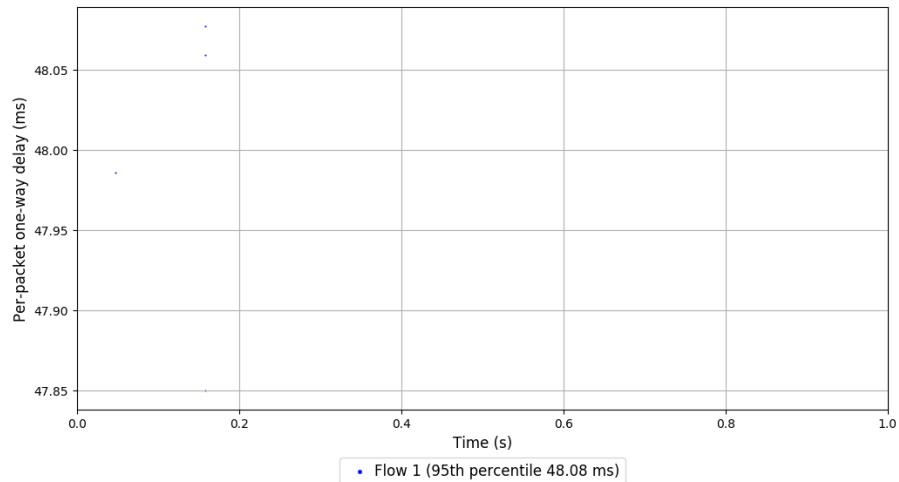
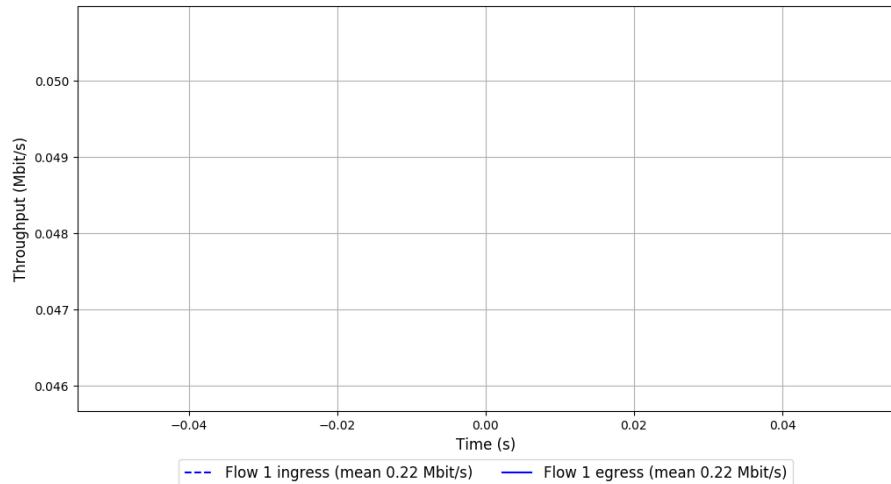


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-26 01:25:21

End at: 2018-01-26 01:25:51

Run 8: Report of QUIC Cubic — Data Link

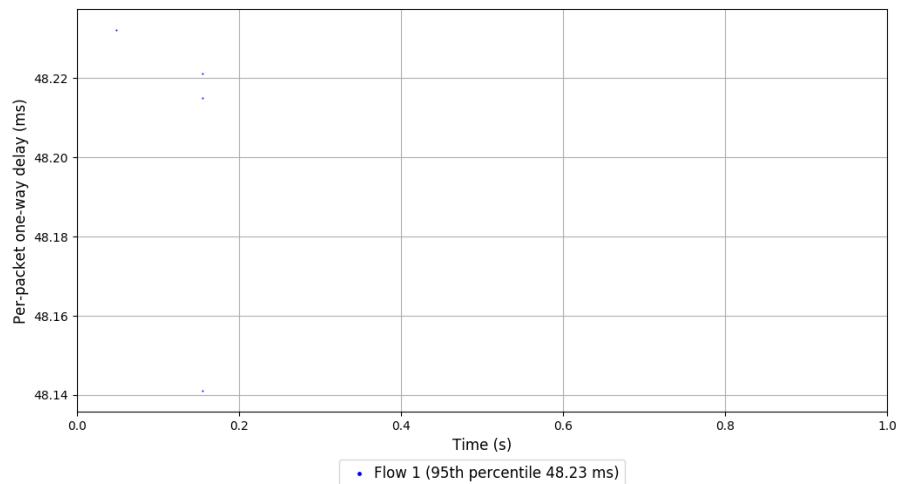
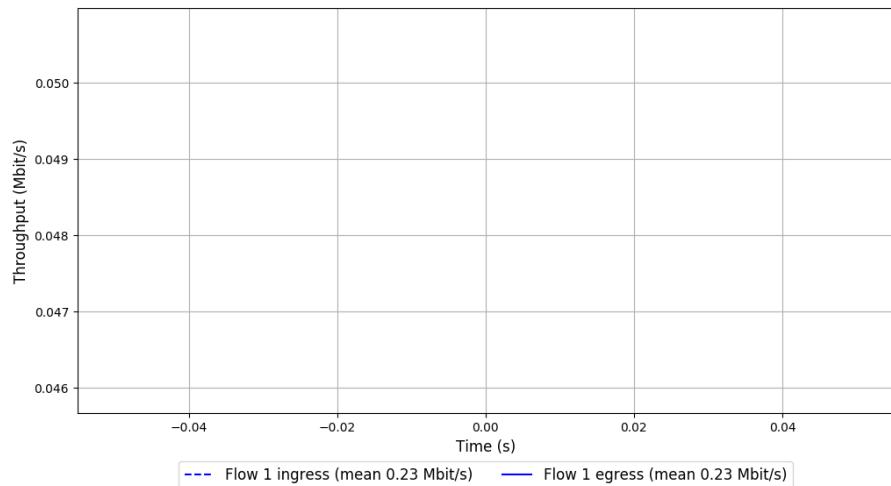


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-26 01:37:26

End at: 2018-01-26 01:37:56

Run 9: Report of QUIC Cubic — Data Link

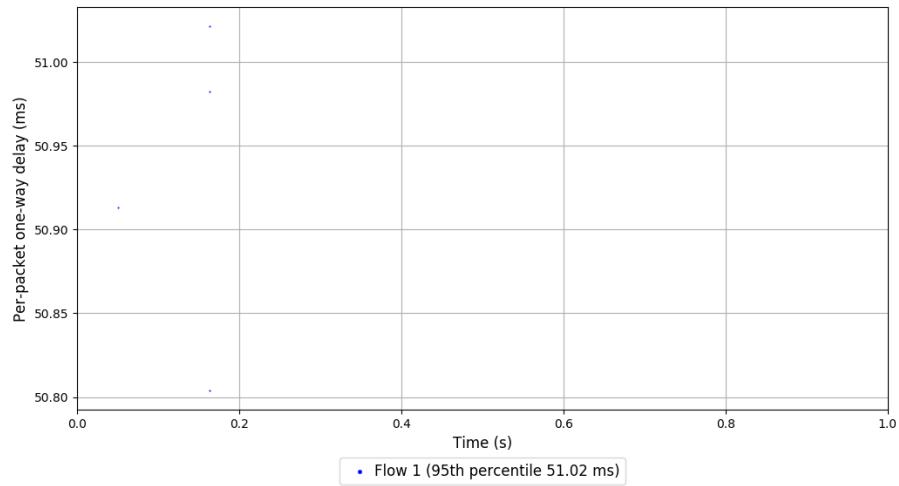
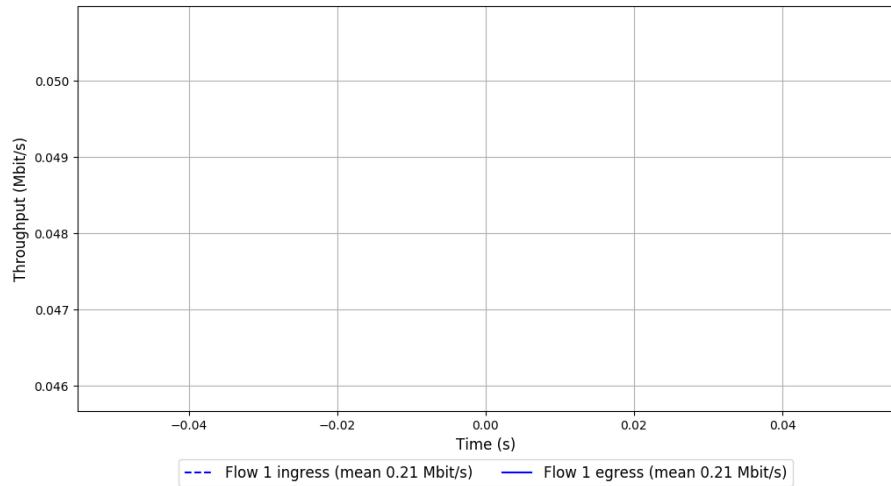


Run 10: Statistics of QUIC Cubic

Start at: 2018-01-26 01:49:21

End at: 2018-01-26 01:49:51

Run 10: Report of QUIC Cubic — Data Link



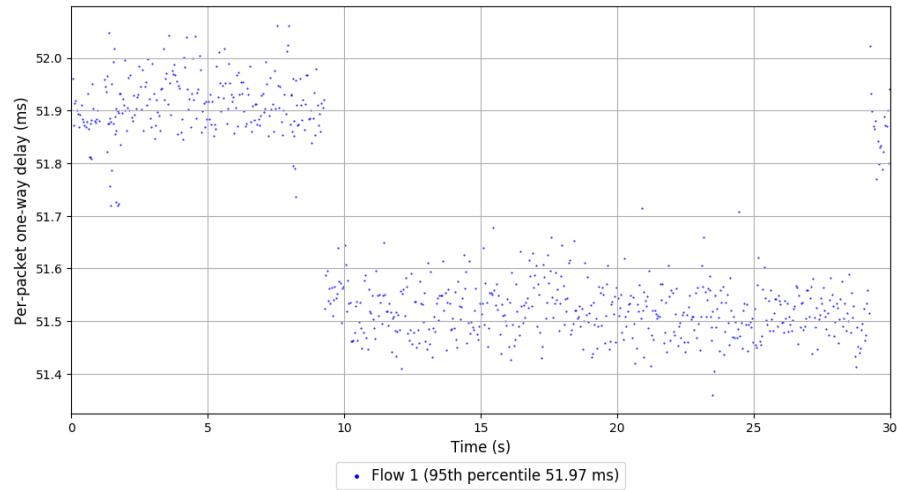
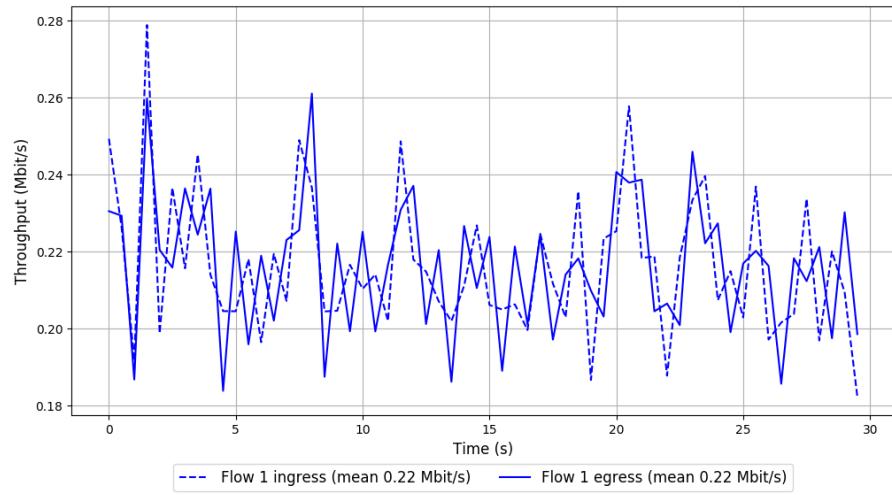
Run 1: Statistics of SCReAM

Start at: 2018-01-26 00:09:23

End at: 2018-01-26 00:09:53

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.967 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link



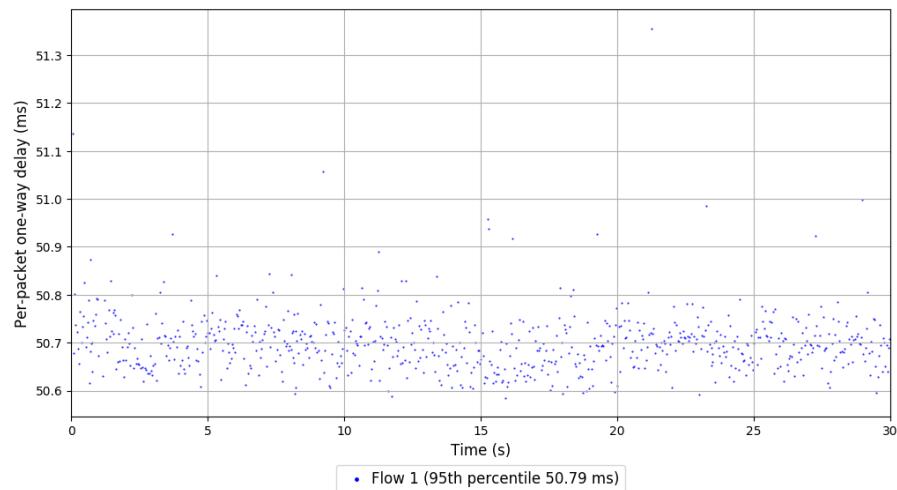
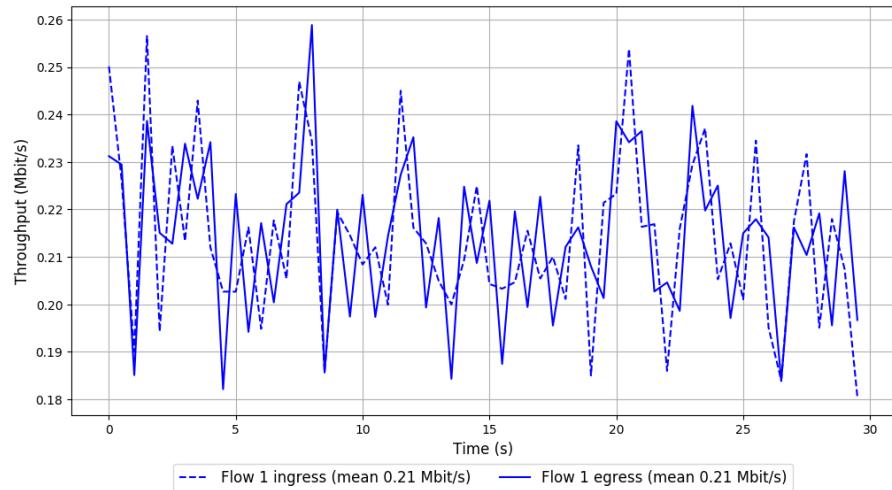
Run 2: Statistics of SCReAM

Start at: 2018-01-26 00:21:03

End at: 2018-01-26 00:21:33

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.790 ms
Loss rate: 0.00%
```

## Run 2: Report of SCReAM — Data Link



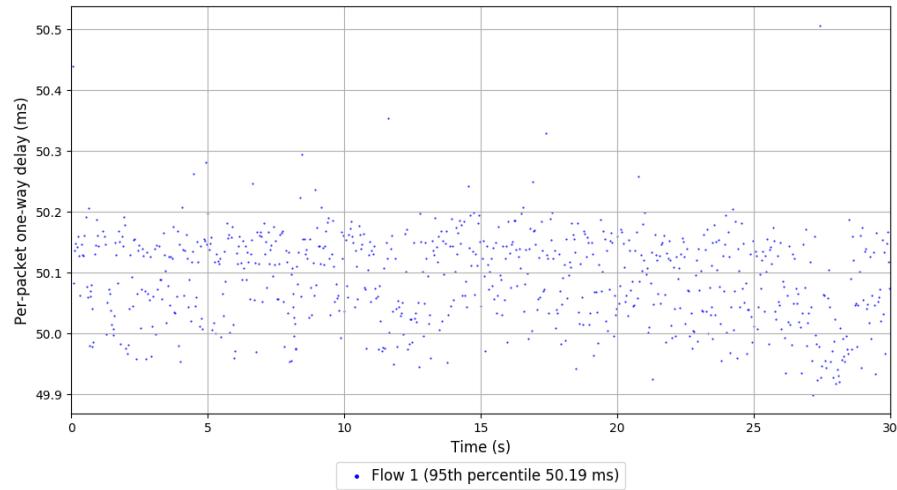
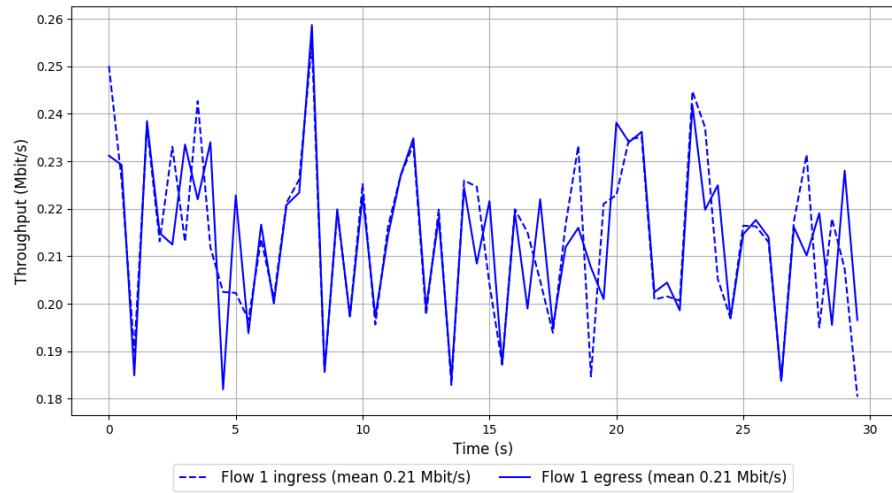
Run 3: Statistics of SCReAM

Start at: 2018-01-26 00:32:55

End at: 2018-01-26 00:33:25

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.186 ms
Loss rate: 0.00%
```

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



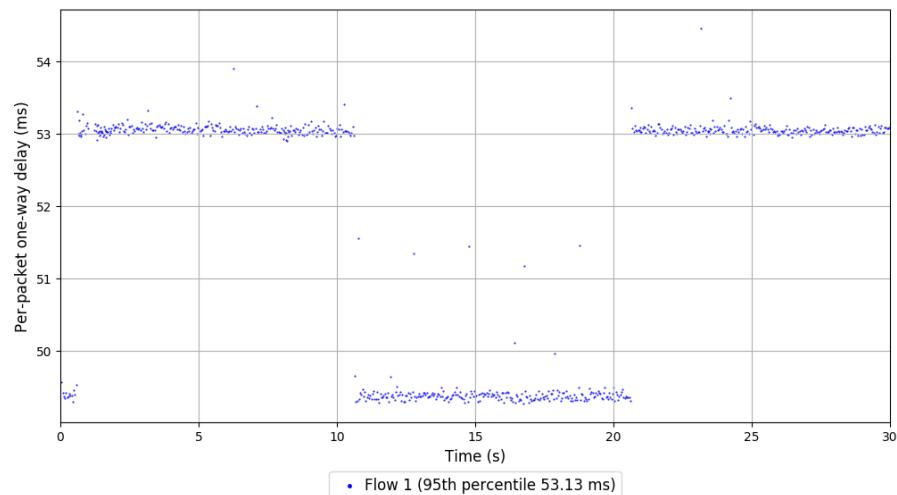
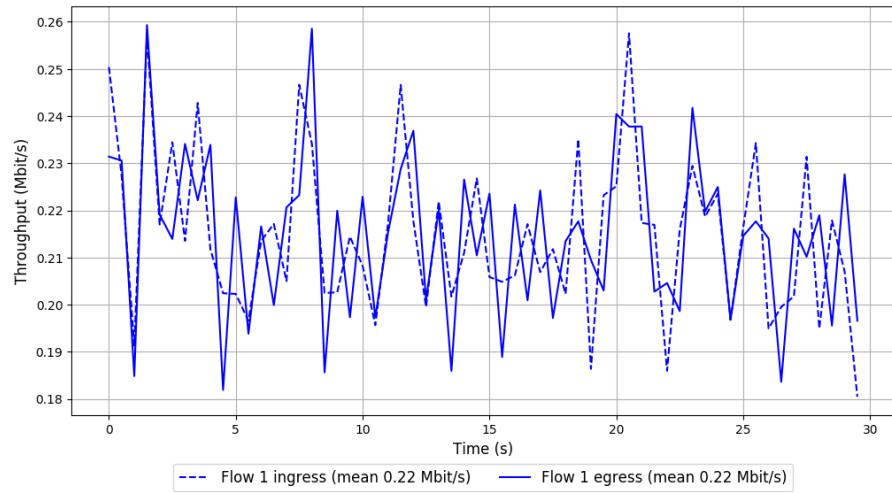
Run 4: Statistics of SCReAM

Start at: 2018-01-26 00:44:41

End at: 2018-01-26 00:45:11

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.132 ms
Loss rate: 0.00%
```

## Run 4: Report of SCReAM — Data Link



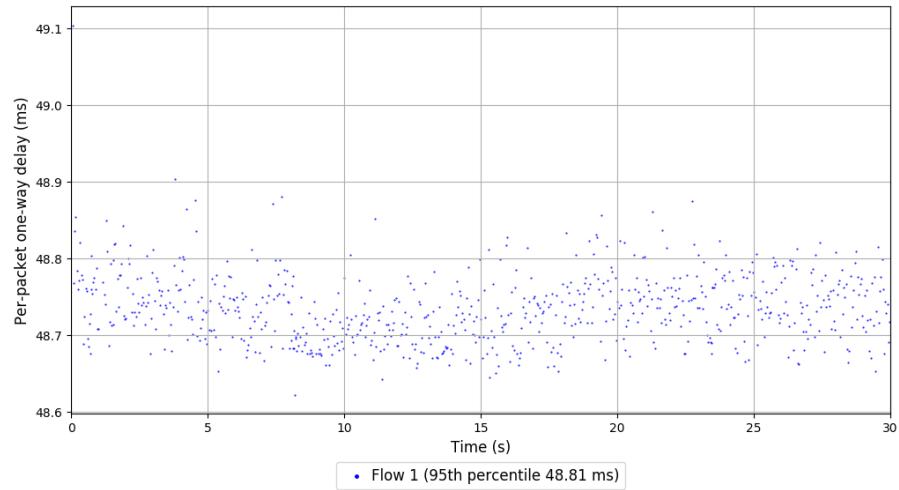
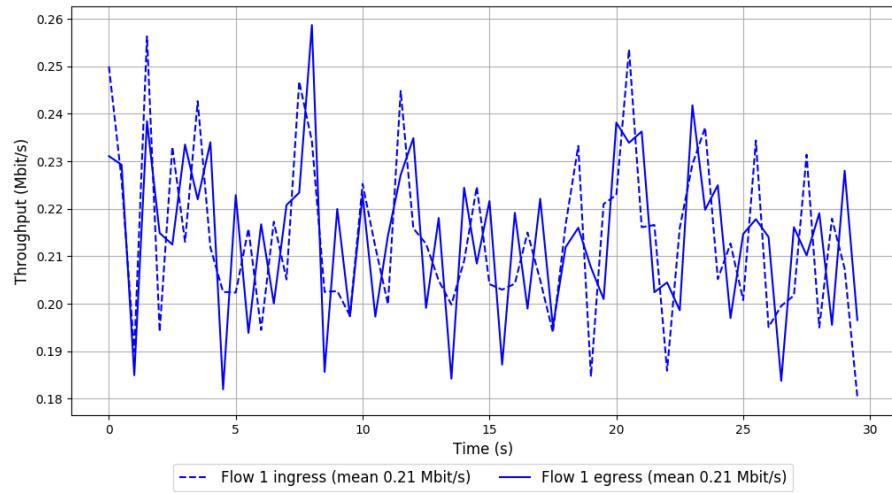
Run 5: Statistics of SCReAM

Start at: 2018-01-26 00:56:43

End at: 2018-01-26 00:57:13

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 48.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 48.811 ms
Loss rate: 0.00%
```

## Run 5: Report of SCReAM — Data Link



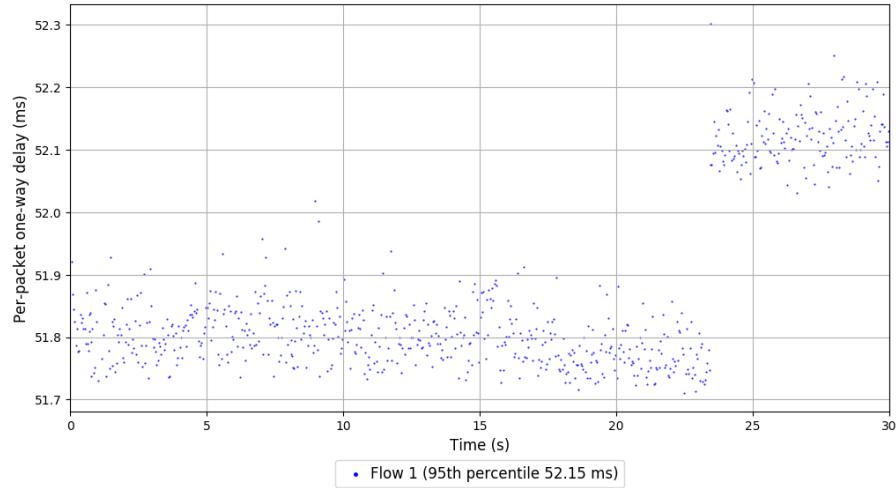
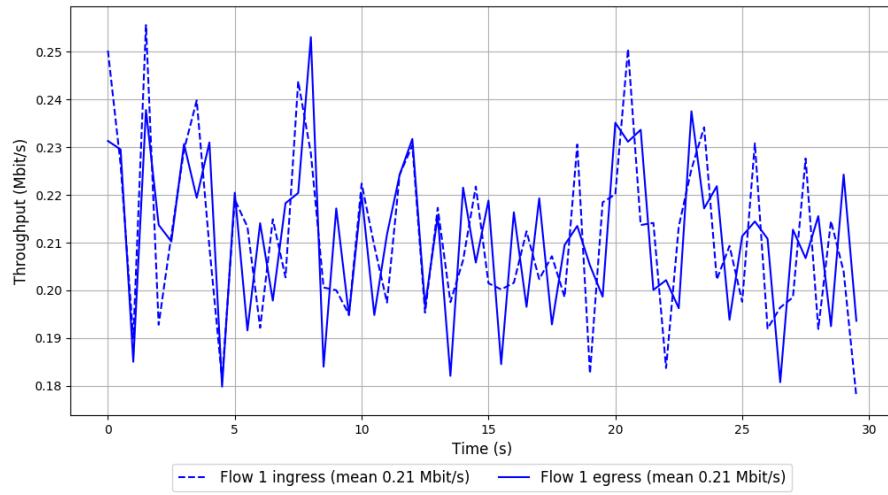
Run 6: Statistics of SCReAM

Start at: 2018-01-26 01:08:28

End at: 2018-01-26 01:08:58

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 52.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 52.146 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link



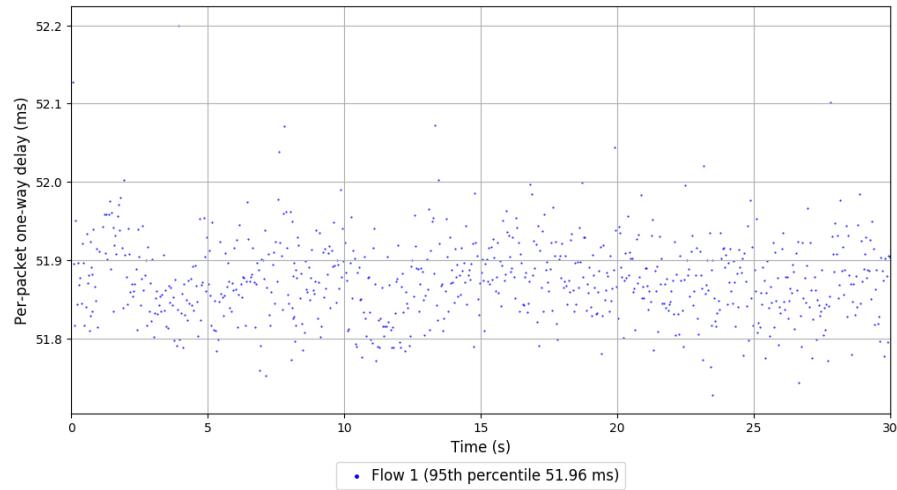
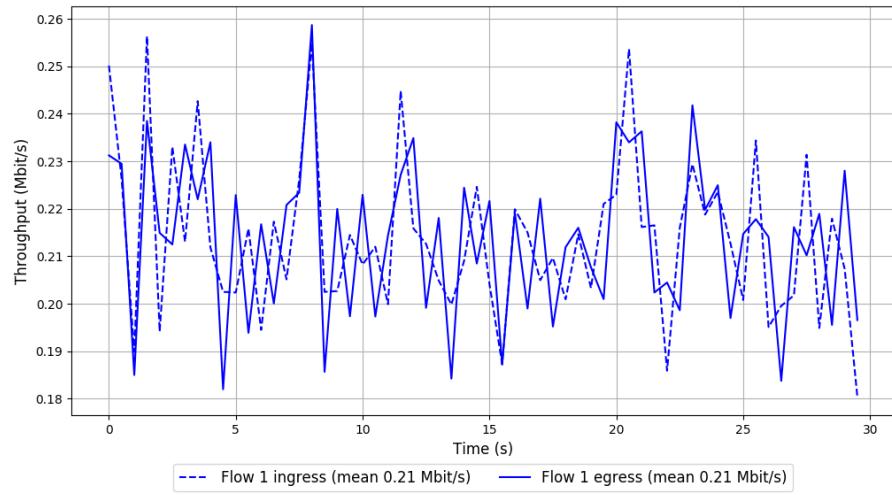
Run 7: Statistics of SCReAM

Start at: 2018-01-26 01:20:04

End at: 2018-01-26 01:20:34

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 51.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 51.956 ms
Loss rate: 0.00%
```

## Run 7: Report of SCReAM — Data Link



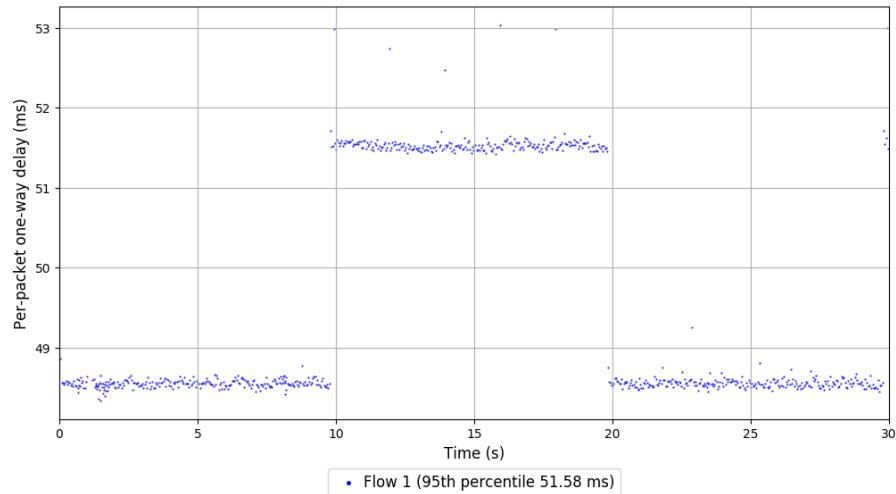
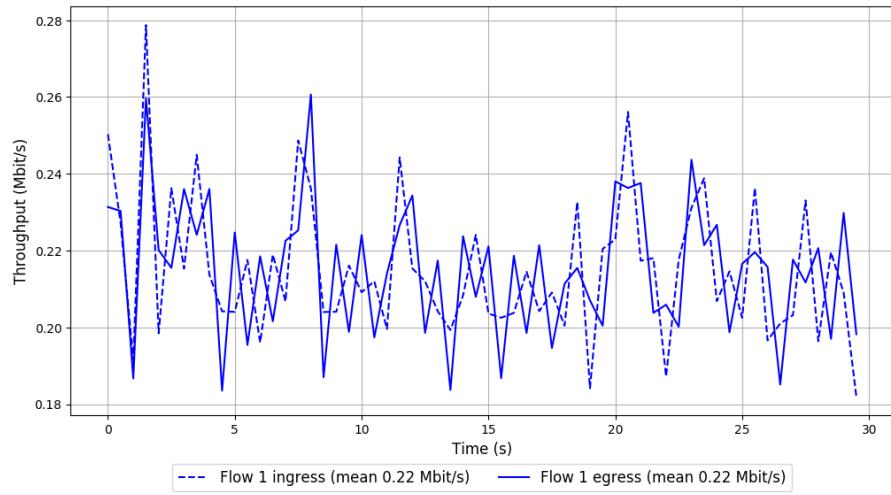
Run 8: Statistics of SCReAM

Start at: 2018-01-26 01:32:02

End at: 2018-01-26 01:32:32

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.579 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.579 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link



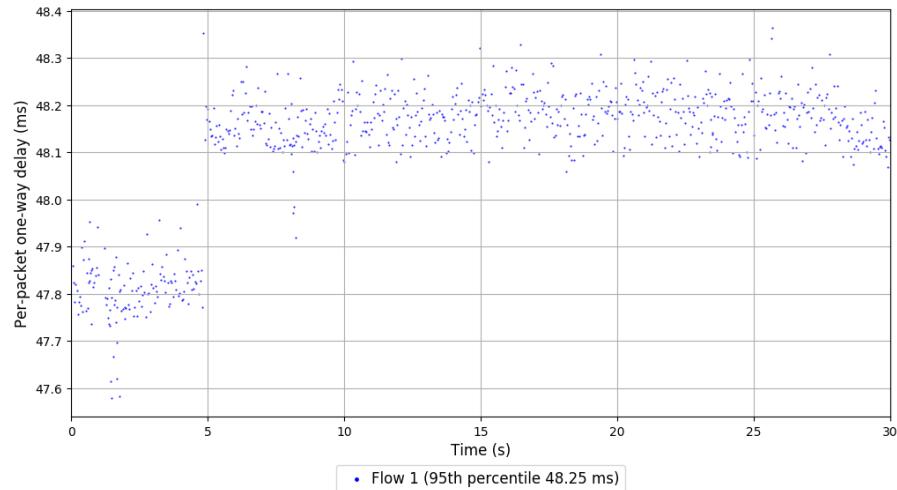
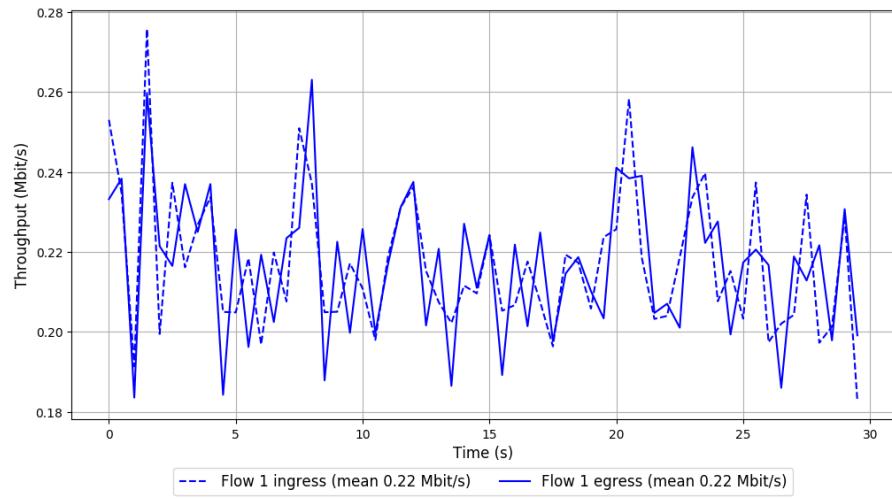
Run 9: Statistics of SCReAM

Start at: 2018-01-26 01:43:57

End at: 2018-01-26 01:44:27

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.249 ms
Loss rate: 0.00%
```

## Run 9: Report of SCReAM — Data Link



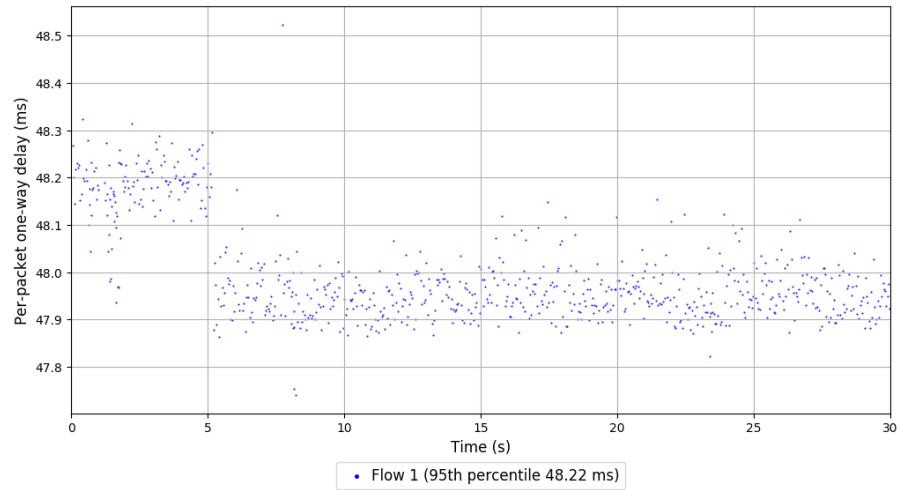
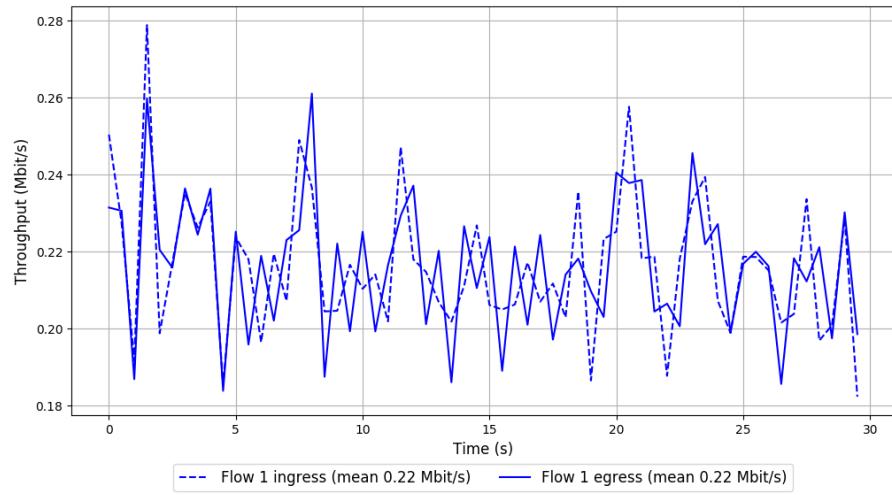
Run 10: Statistics of SCReAM

Start at: 2018-01-26 01:55:57

End at: 2018-01-26 01:56:27

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.221 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.221 ms
Loss rate: 0.00%
```

## Run 10: Report of SCReAM — Data Link

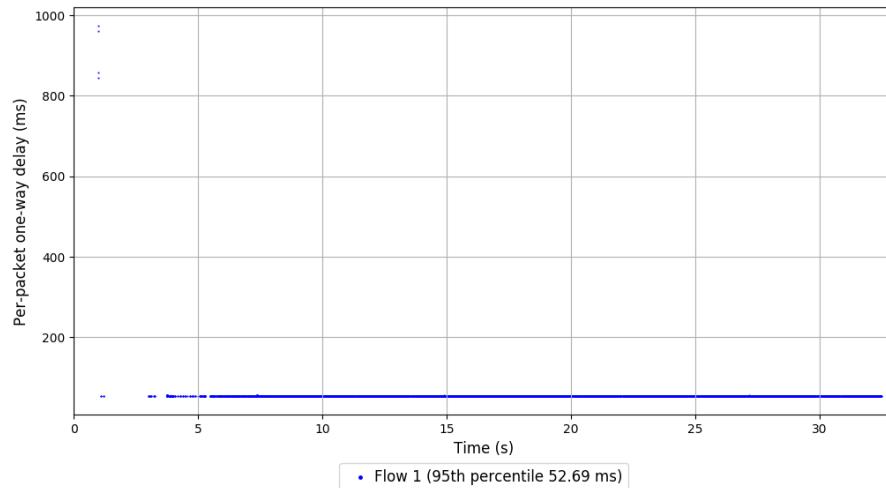
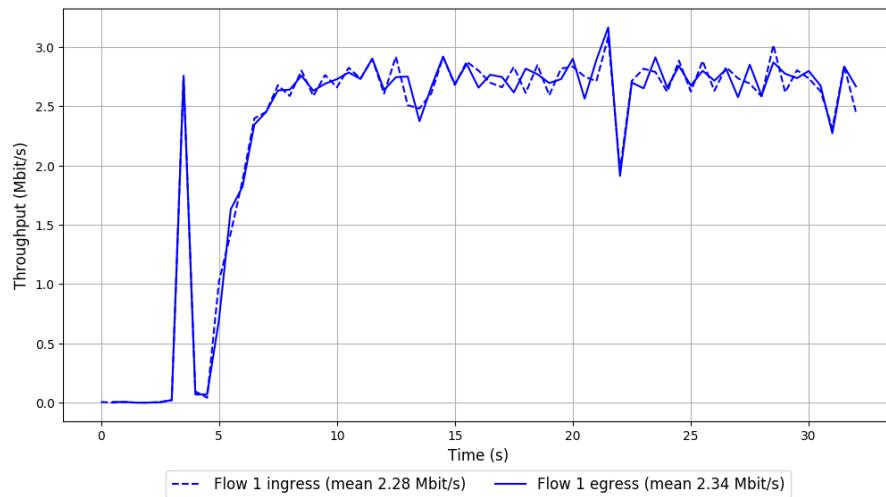


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-26 00:01:25
End at: 2018-01-26 00:01:55

# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 52.694 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 52.694 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



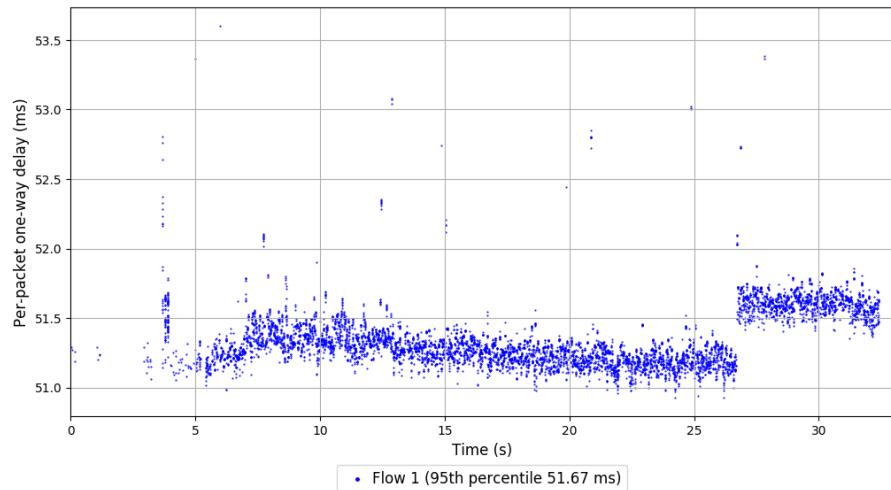
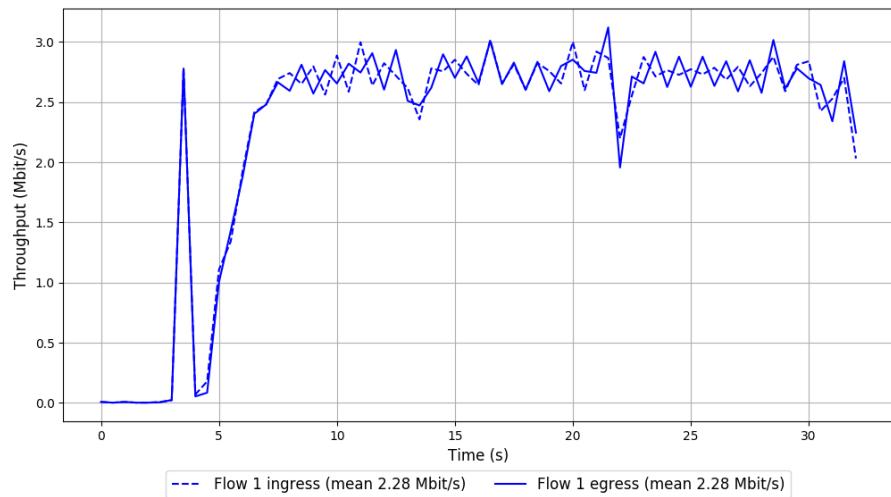
Run 2: Statistics of WebRTC media

Start at: 2018-01-26 00:13:18

End at: 2018-01-26 00:13:48

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 51.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 51.670 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

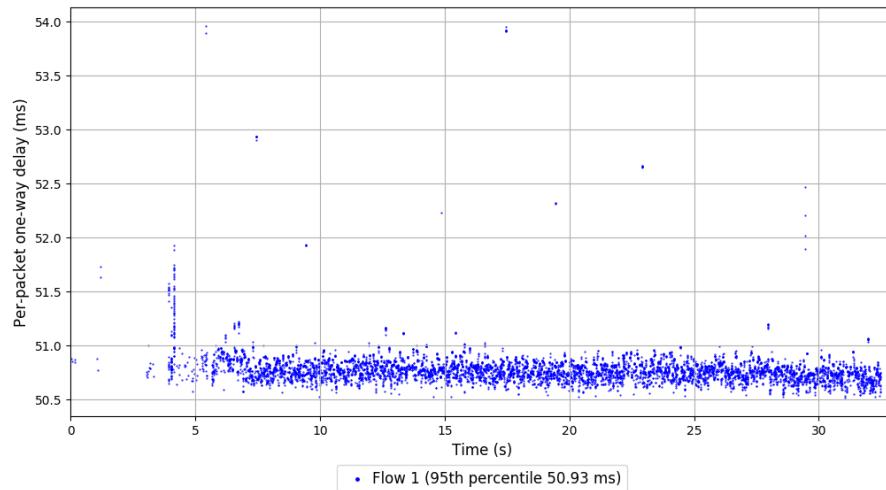
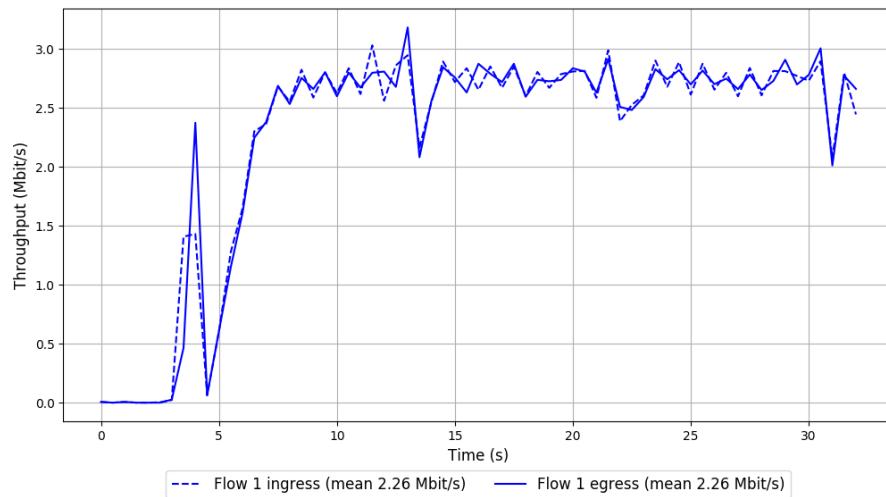


```
Run 3: Statistics of WebRTC media

Start at: 2018-01-26 00:25:03
End at: 2018-01-26 00:25:33

# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 50.930 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 50.930 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

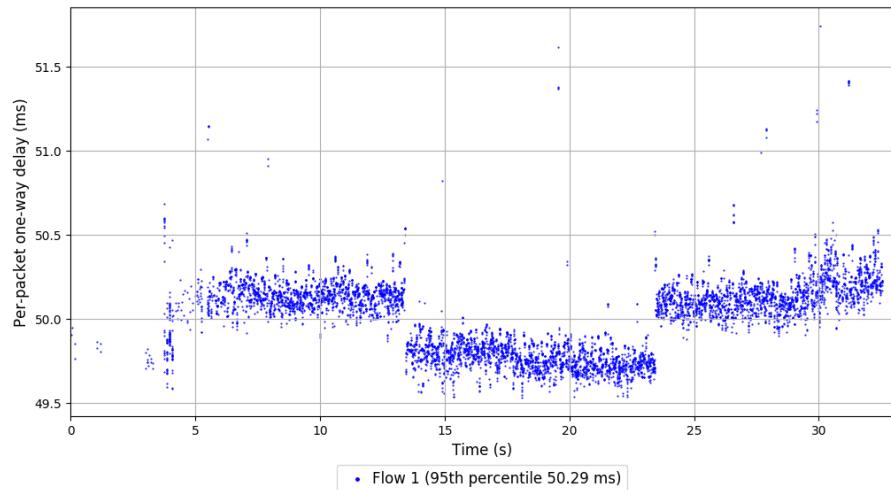
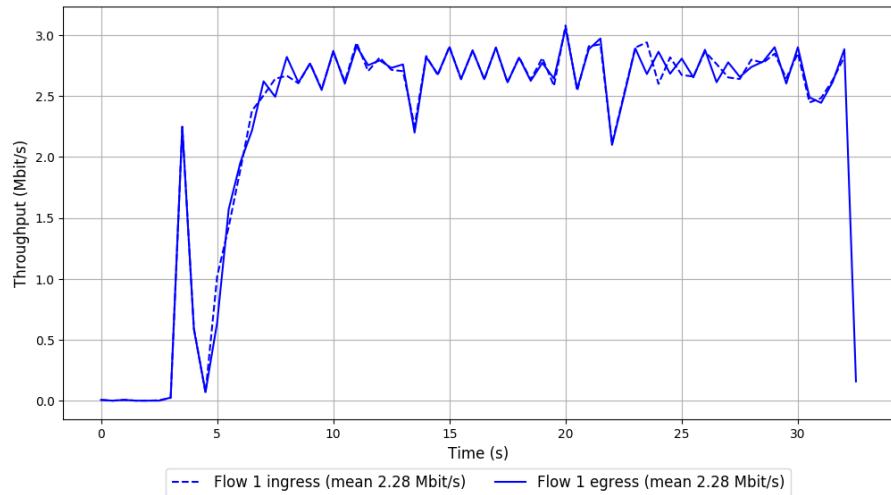


```
Run 4: Statistics of WebRTC media

Start at: 2018-01-26 00:36:51
End at: 2018-01-26 00:37:21

# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 50.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 50.288 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

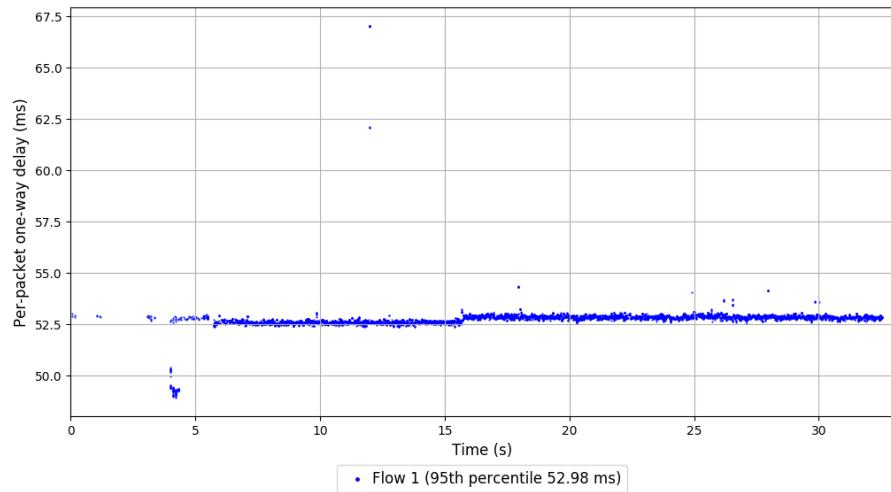
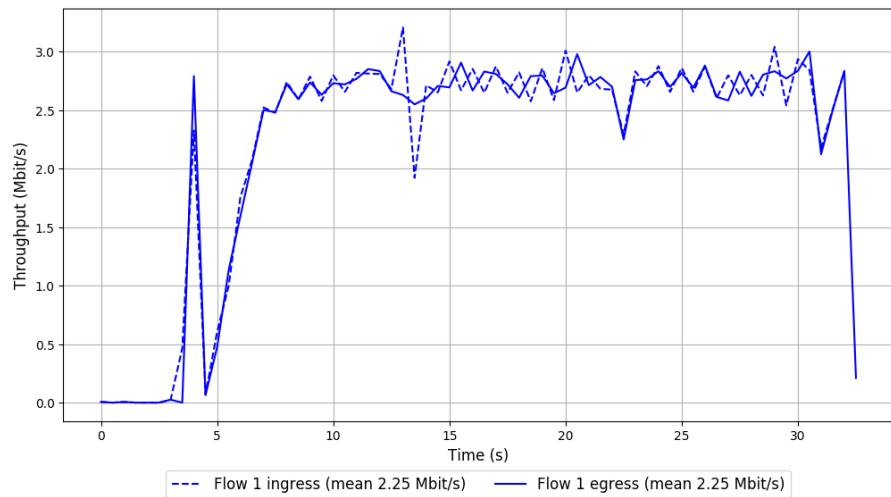


```
Run 5: Statistics of WebRTC media

Start at: 2018-01-26 00:48:39
End at: 2018-01-26 00:49:09

# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 52.980 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 52.980 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

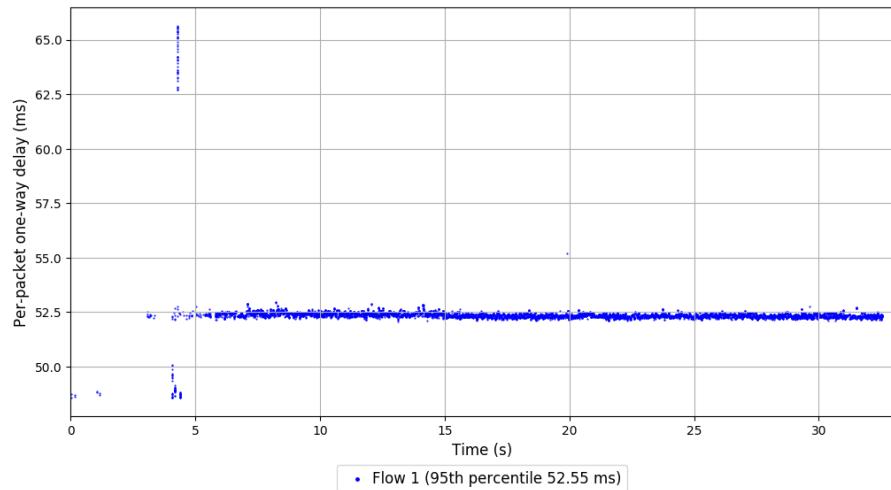
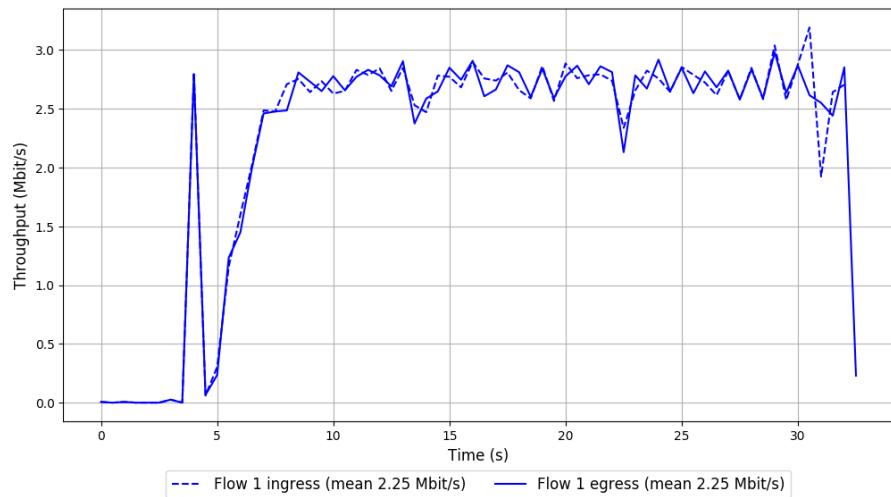


```
Run 6: Statistics of WebRTC media

Start at: 2018-01-26 01:00:43
End at: 2018-01-26 01:01:13

# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 52.551 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 52.551 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

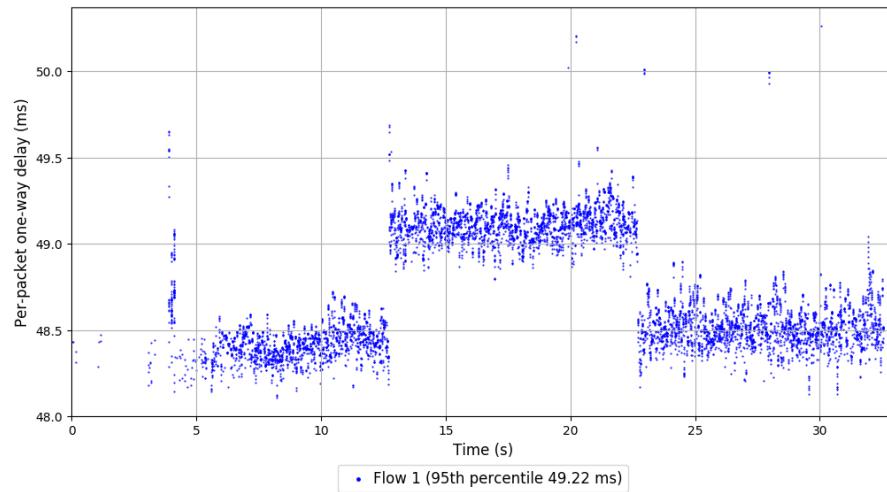
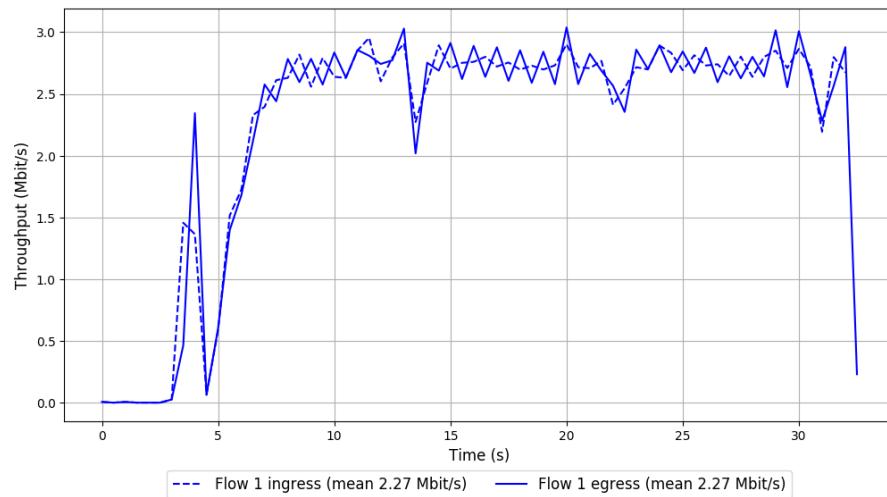


```
Run 7: Statistics of WebRTC media

Start at: 2018-01-26 01:12:32
End at: 2018-01-26 01:13:02

# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 49.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 49.216 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

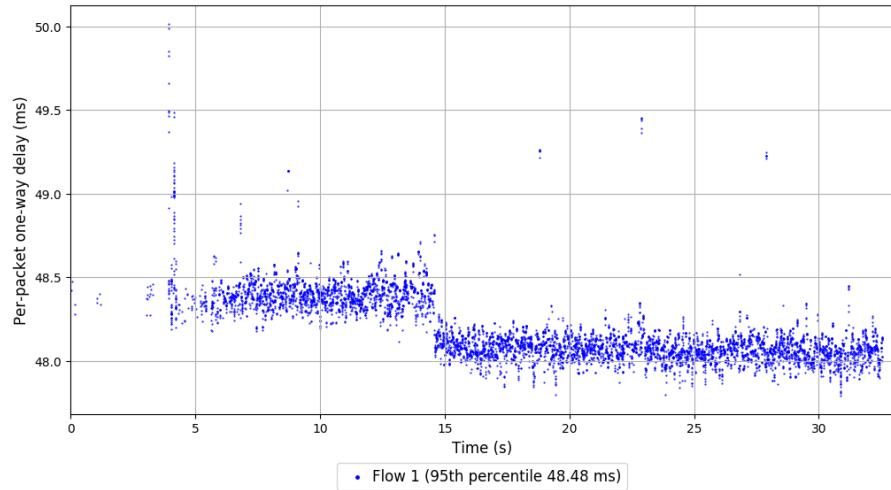
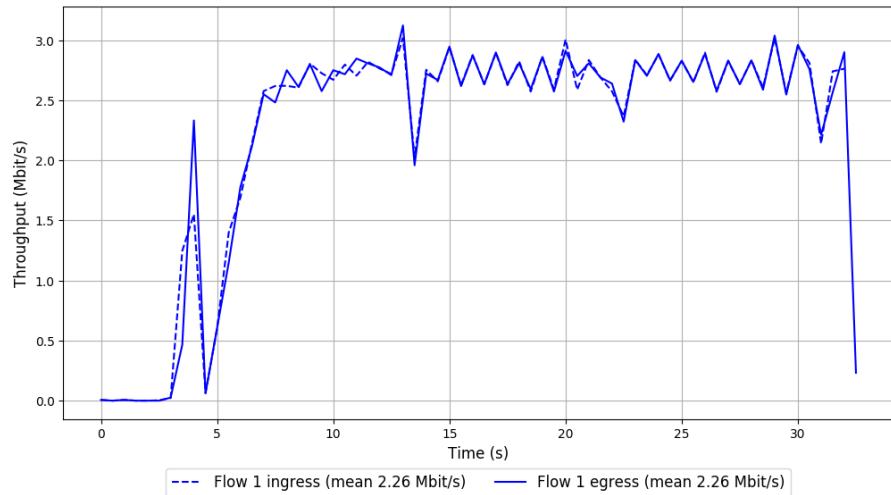


```
Run 8: Statistics of WebRTC media

Start at: 2018-01-26 01:24:00
End at: 2018-01-26 01:24:30

# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 48.482 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 48.482 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

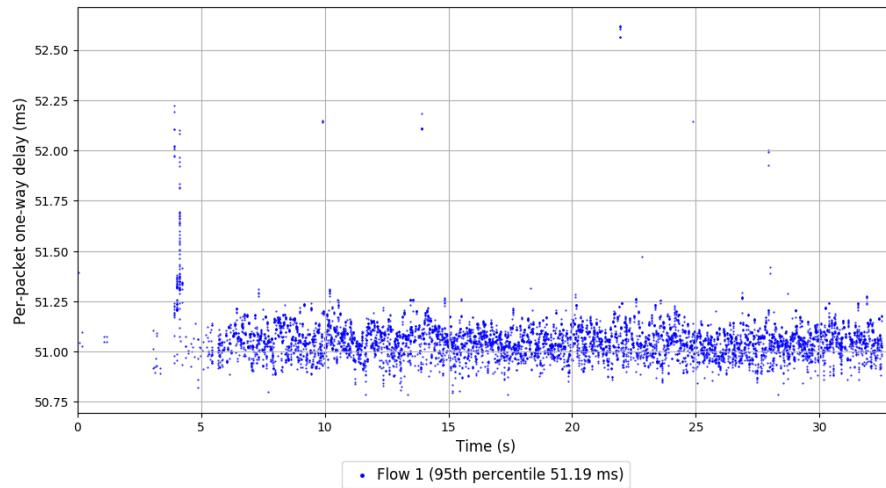
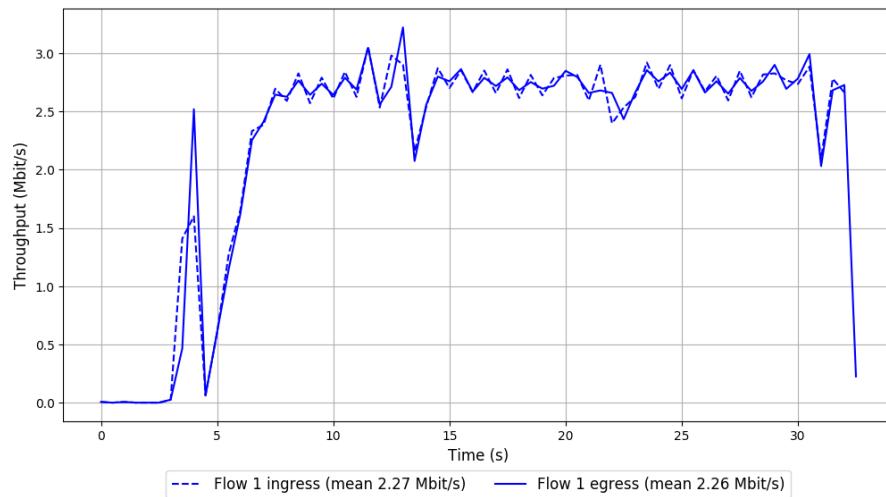


```
Run 9: Statistics of WebRTC media

Start at: 2018-01-26 01:36:05
End at: 2018-01-26 01:36:35

# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 51.189 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 51.189 ms
Loss rate: 0.02%
```

Run 9: Report of WebRTC media — Data Link



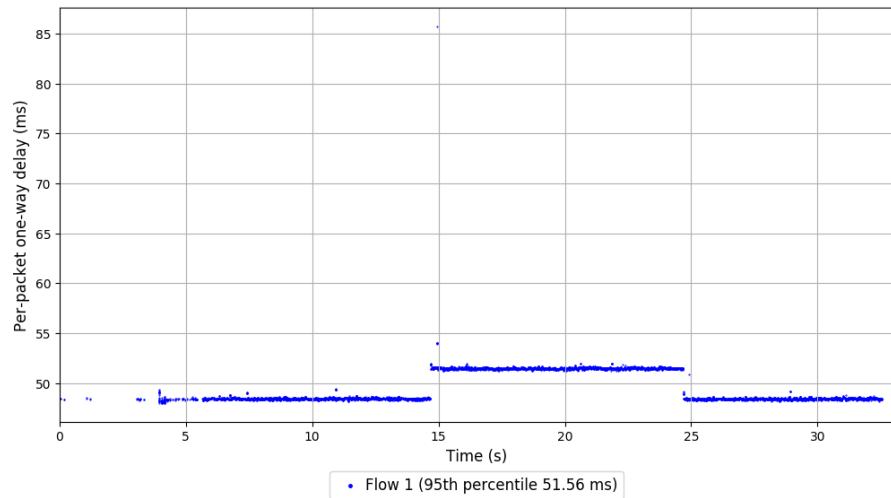
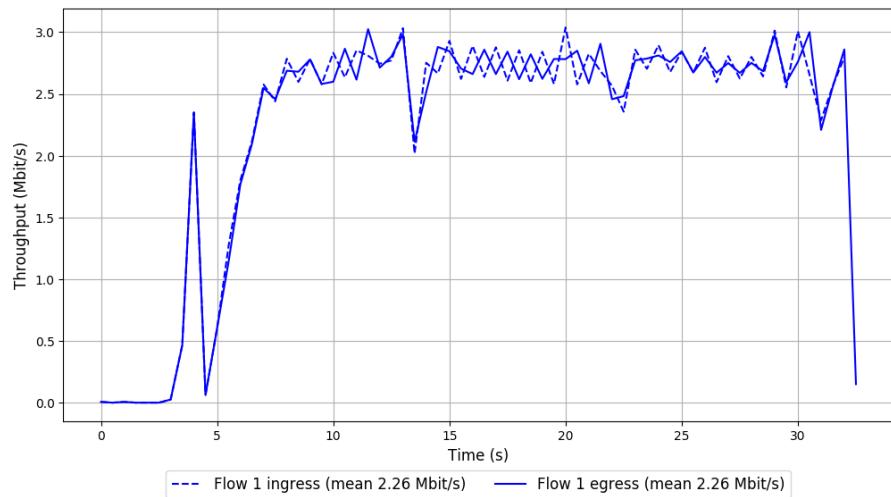
Run 10: Statistics of WebRTC media

Start at: 2018-01-26 01:48:00

End at: 2018-01-26 01:48:30

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 51.565 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 51.565 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link



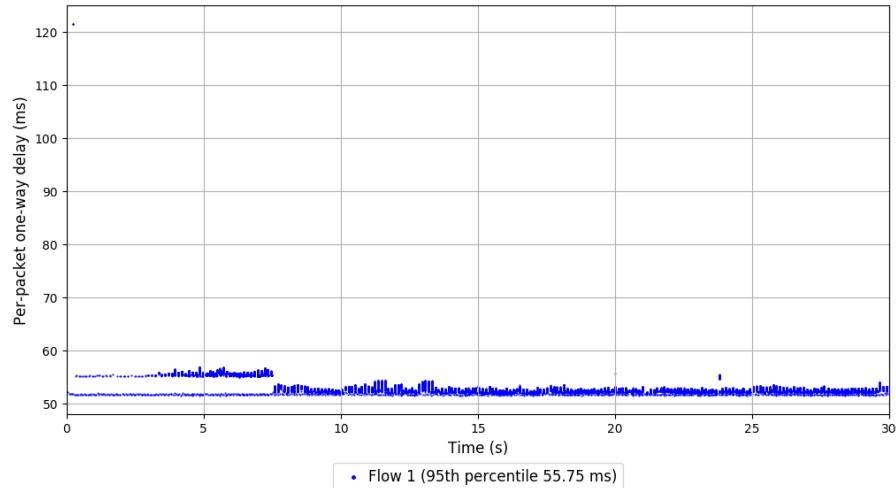
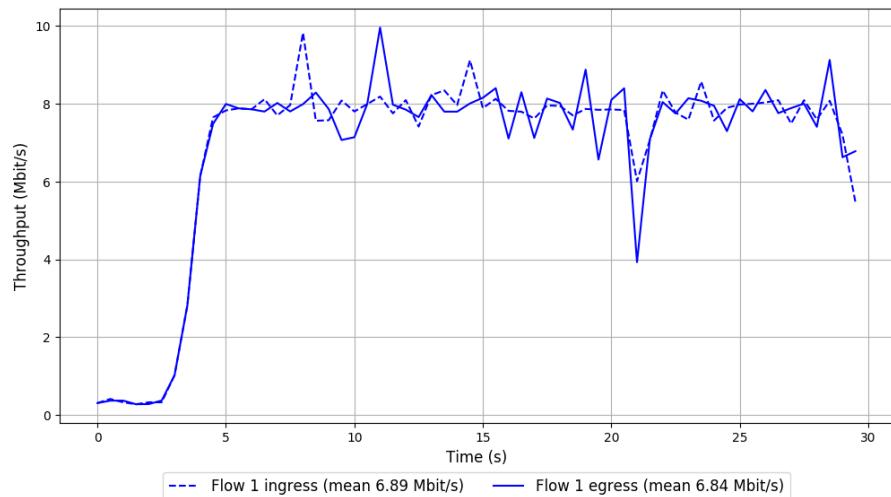
Run 1: Statistics of Sprout

Start at: 2018-01-26 00:05:54

End at: 2018-01-26 00:06:24

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 55.747 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 55.747 ms
Loss rate: 0.72%
```

## Run 1: Report of Sprout — Data Link



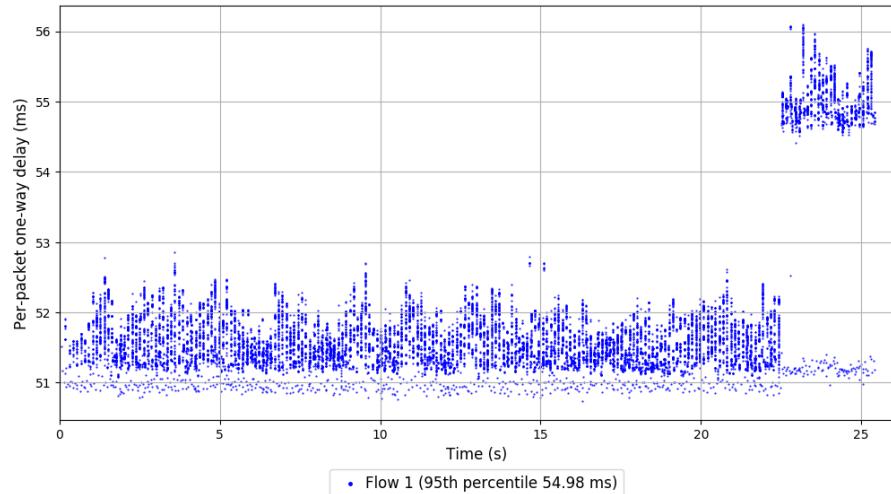
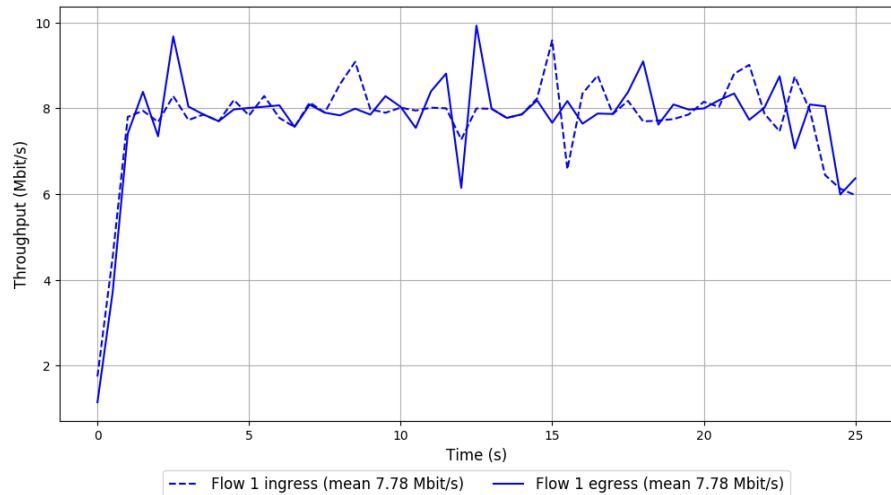
Run 2: Statistics of Sprout

Start at: 2018-01-26 00:17:35

End at: 2018-01-26 00:18:05

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.78 Mbit/s
95th percentile per-packet one-way delay: 54.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.78 Mbit/s
95th percentile per-packet one-way delay: 54.981 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link



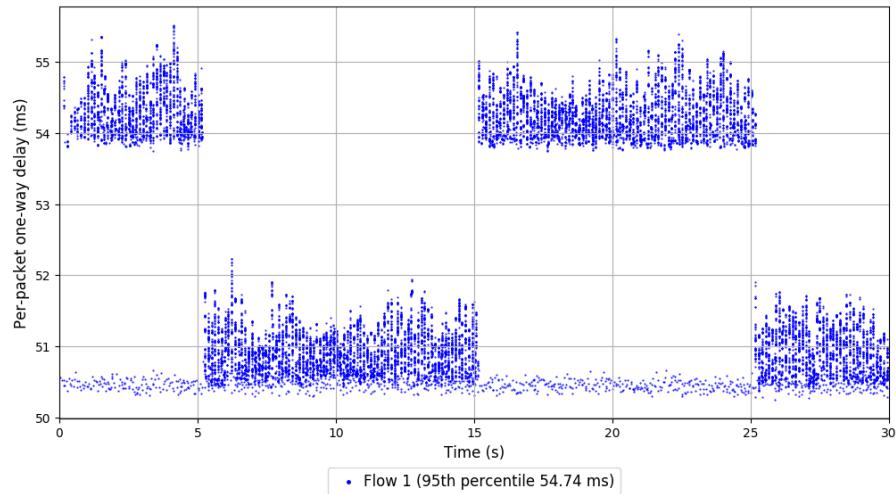
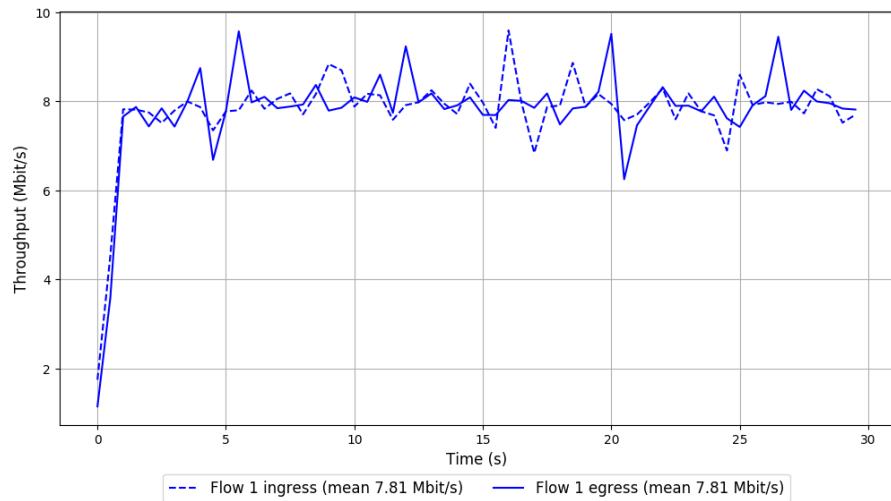
Run 3: Statistics of Sprout

Start at: 2018-01-26 00:29:27

End at: 2018-01-26 00:29:57

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 54.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 54.741 ms
Loss rate: 0.00%
```

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



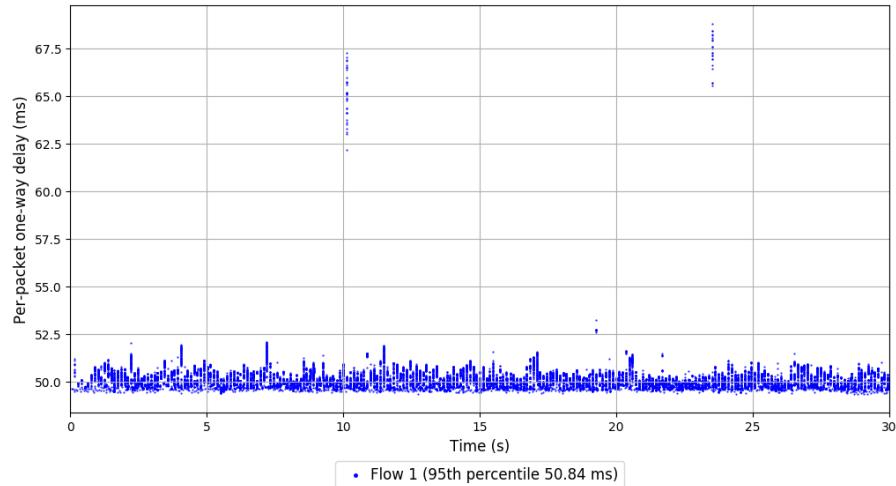
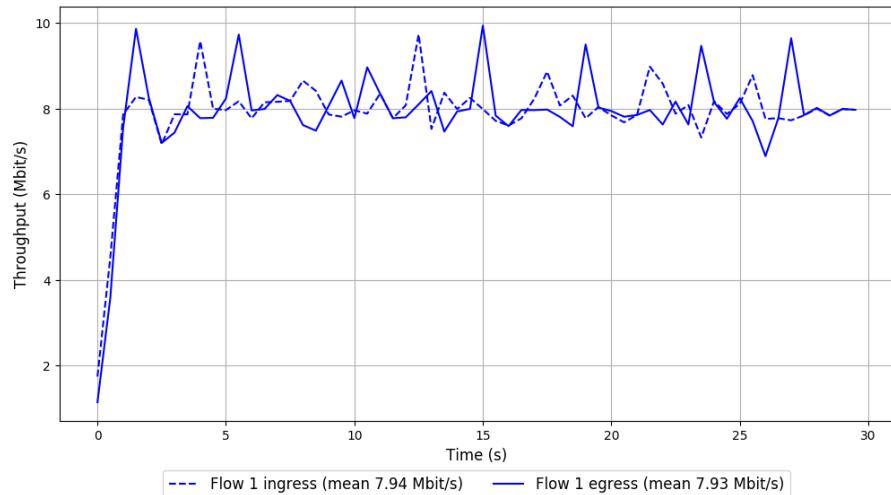
Run 4: Statistics of Sprout

Start at: 2018-01-26 00:41:13

End at: 2018-01-26 00:41:43

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 50.844 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 50.844 ms
Loss rate: 0.13%
```

## Run 4: Report of Sprout — Data Link



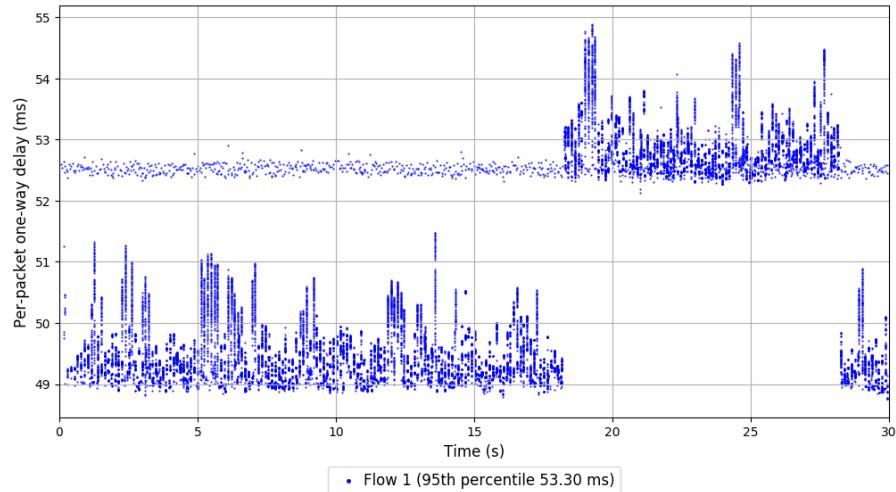
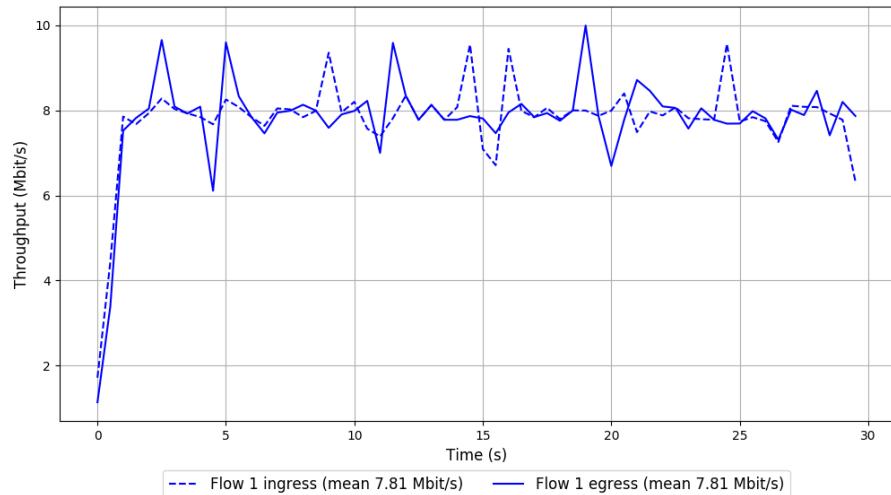
Run 5: Statistics of Sprout

Start at: 2018-01-26 00:53:14

End at: 2018-01-26 00:53:44

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 53.302 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 53.302 ms
Loss rate: 0.03%
```

Run 5: Report of Sprout — Data Link



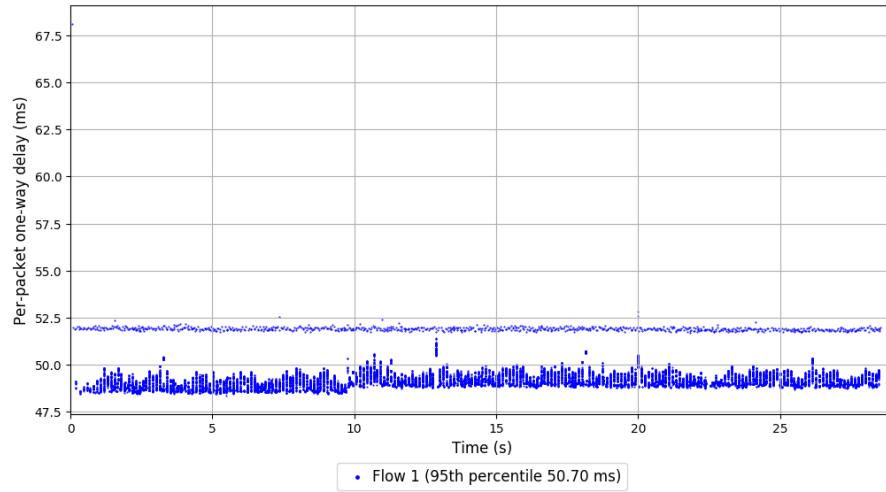
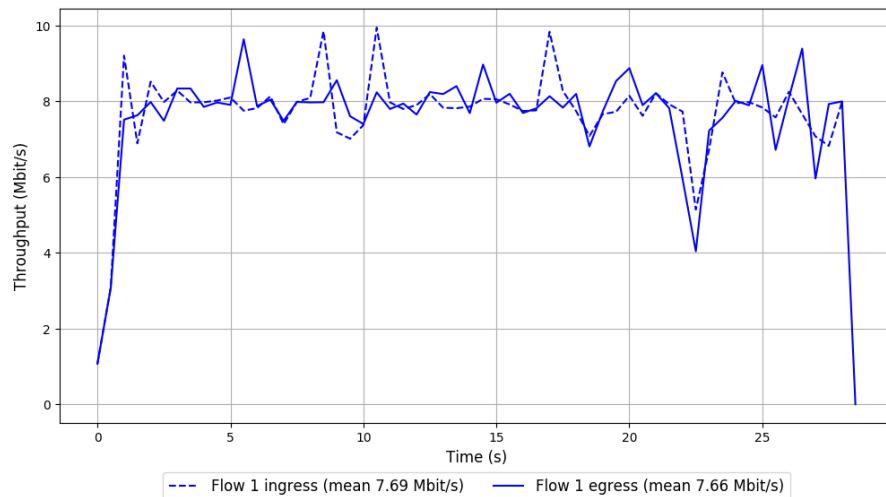
Run 6: Statistics of Sprout

Start at: 2018-01-26 01:05:01

End at: 2018-01-26 01:05:31

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 50.701 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 50.701 ms
Loss rate: 0.46%
```

## Run 6: Report of Sprout — Data Link

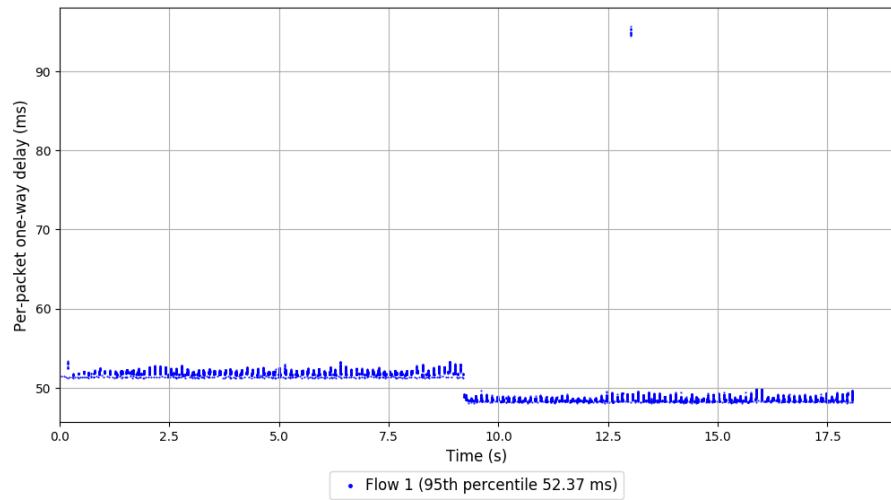
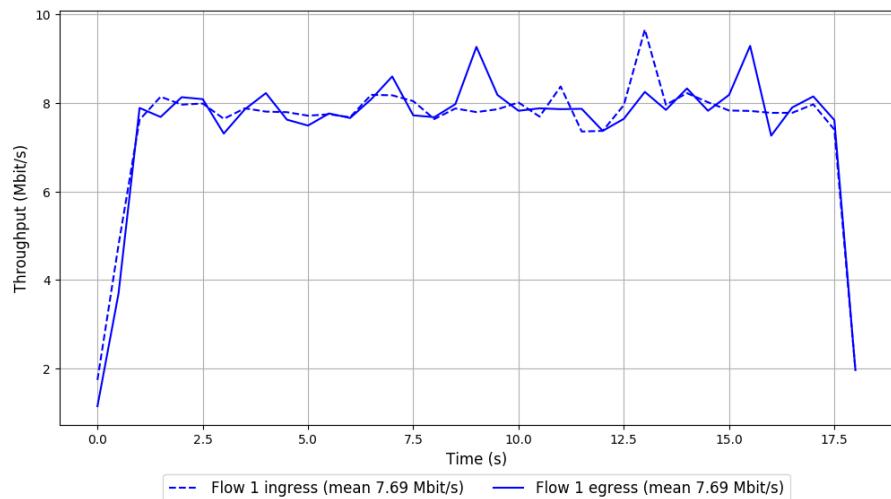


Run 7: Statistics of Sprout

Start at: 2018-01-26 01:16:41

End at: 2018-01-26 01:17:11

### Run 7: Report of Sprout — Data Link



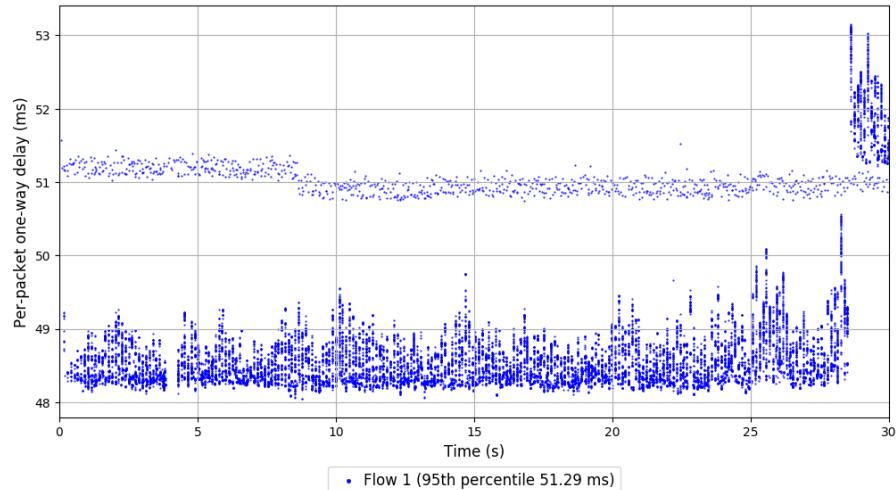
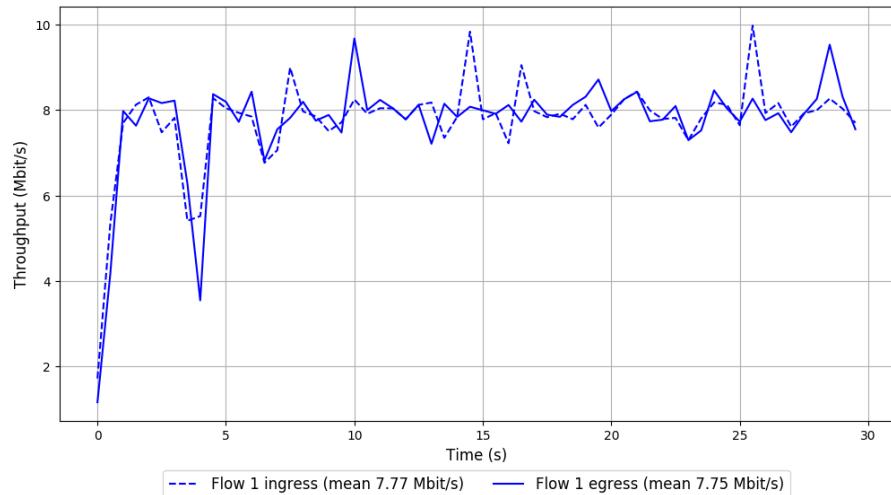
Run 8: Statistics of Sprout

Start at: 2018-01-26 01:28:33

End at: 2018-01-26 01:29:03

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.75 Mbit/s
95th percentile per-packet one-way delay: 51.294 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 7.75 Mbit/s
95th percentile per-packet one-way delay: 51.294 ms
Loss rate: 0.17%
```

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



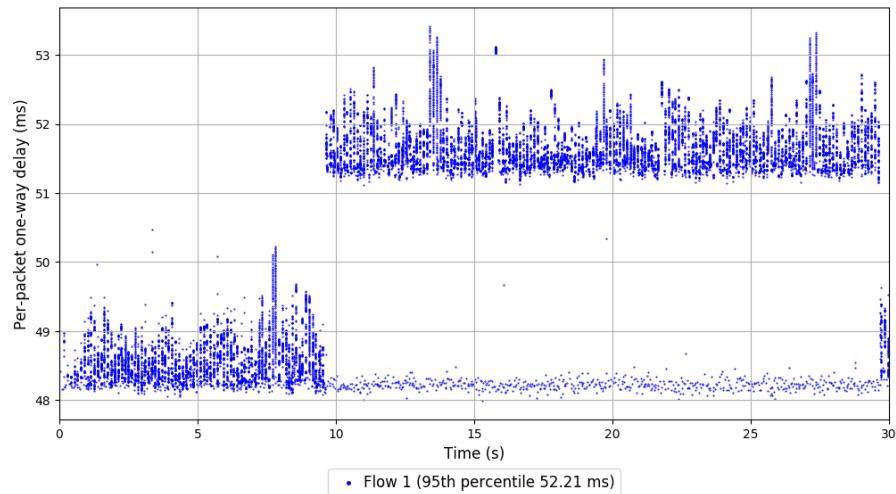
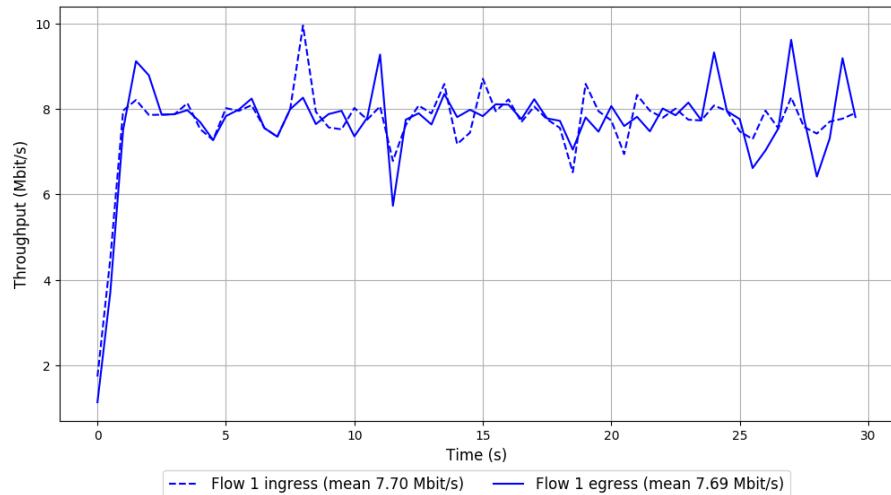
Run 9: Statistics of Sprout

Start at: 2018-01-26 01:40:32

End at: 2018-01-26 01:41:02

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 52.214 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 52.214 ms
Loss rate: 0.08%
```

### Run 9: Report of Sprout — Data Link



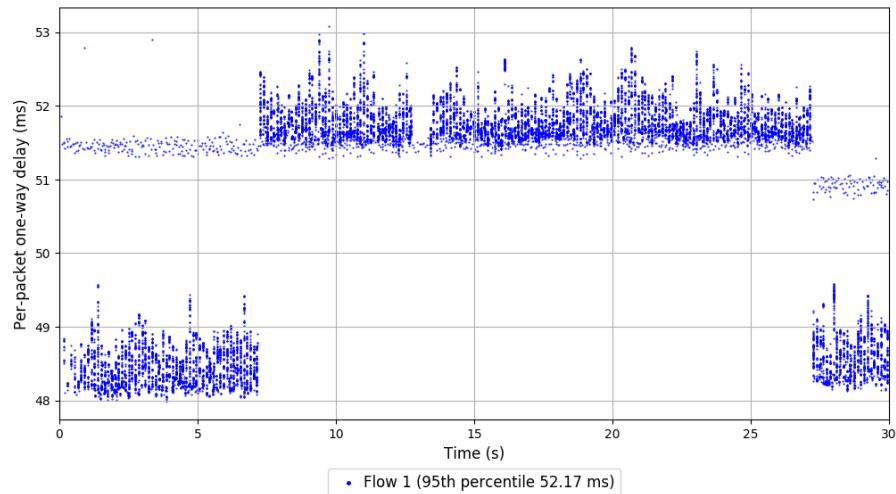
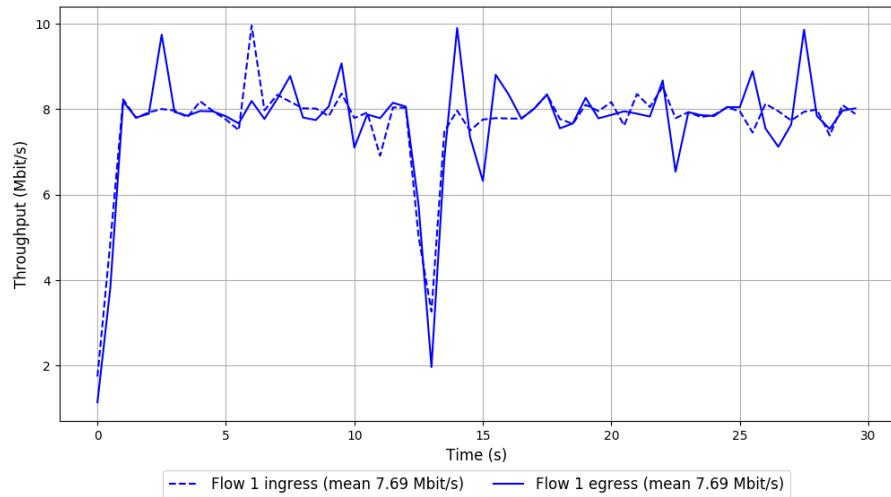
Run 10: Statistics of Sprout

Start at: 2018-01-26 01:52:25

End at: 2018-01-26 01:52:55

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 52.173 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 52.173 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link



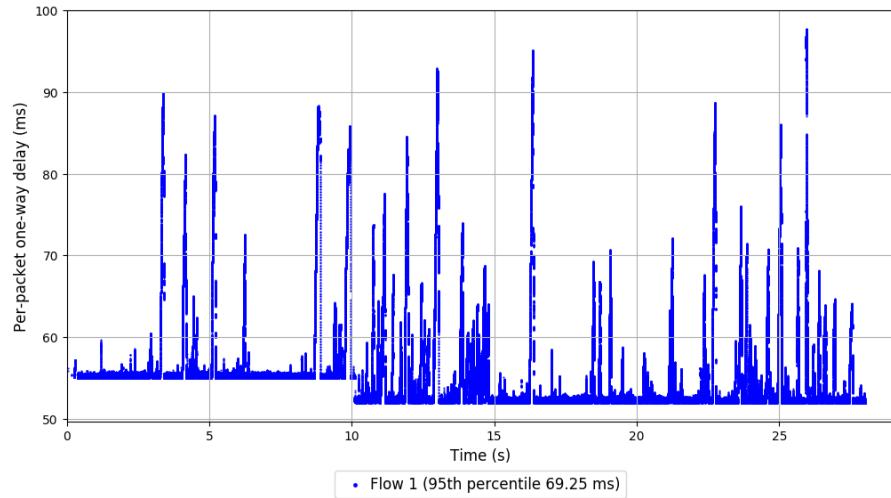
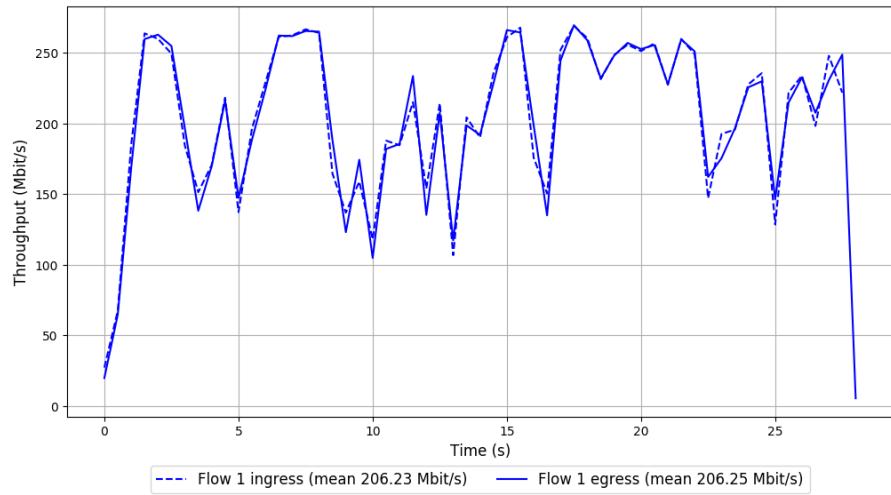
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-26 00:05:00

End at: 2018-01-26 00:05:30

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.25 Mbit/s
95th percentile per-packet one-way delay: 69.245 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.25 Mbit/s
95th percentile per-packet one-way delay: 69.245 ms
Loss rate: 0.00%
```

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



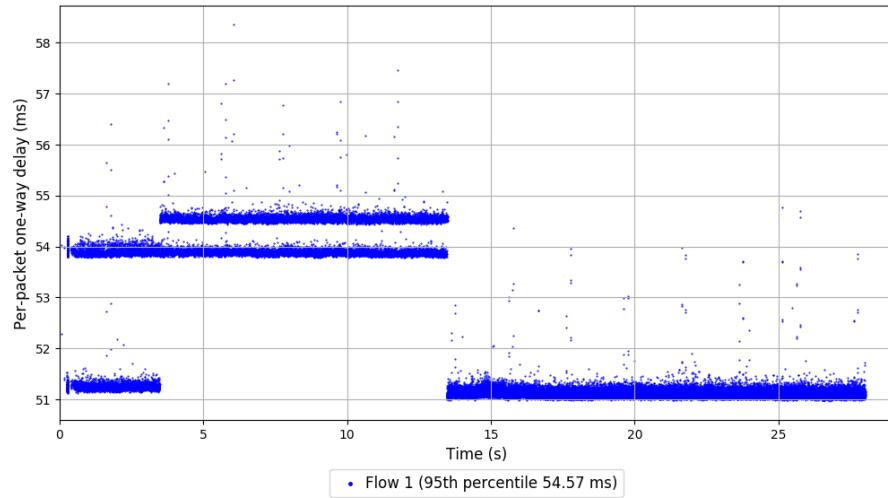
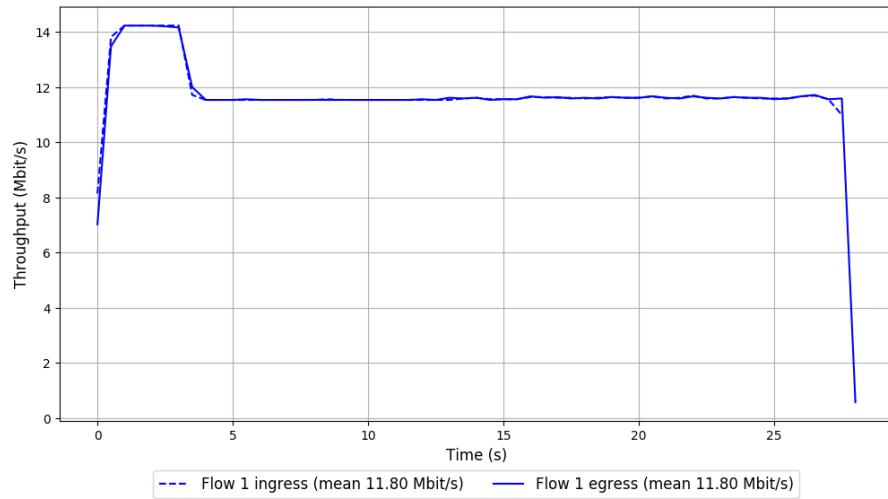
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-26 00:16:56

End at: 2018-01-26 00:17:26

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 54.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 54.566 ms
Loss rate: 0.00%
```

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

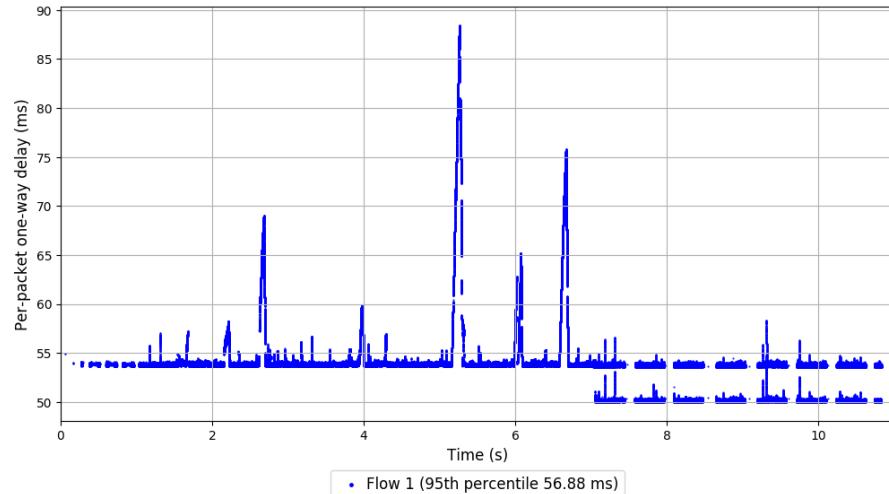
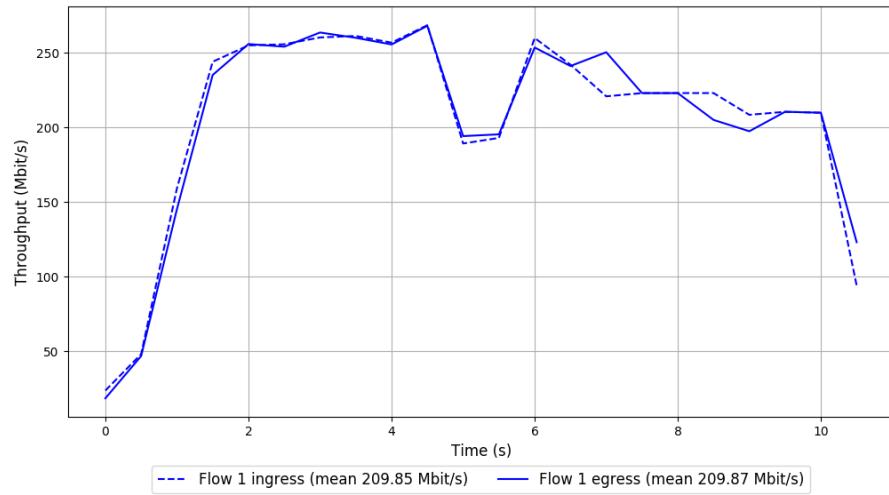


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-26 00:28:43

End at: 2018-01-26 00:29:13

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



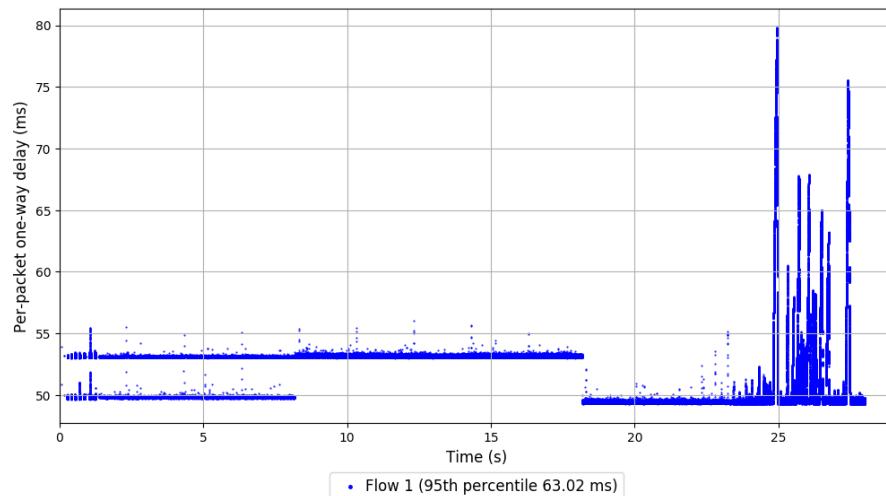
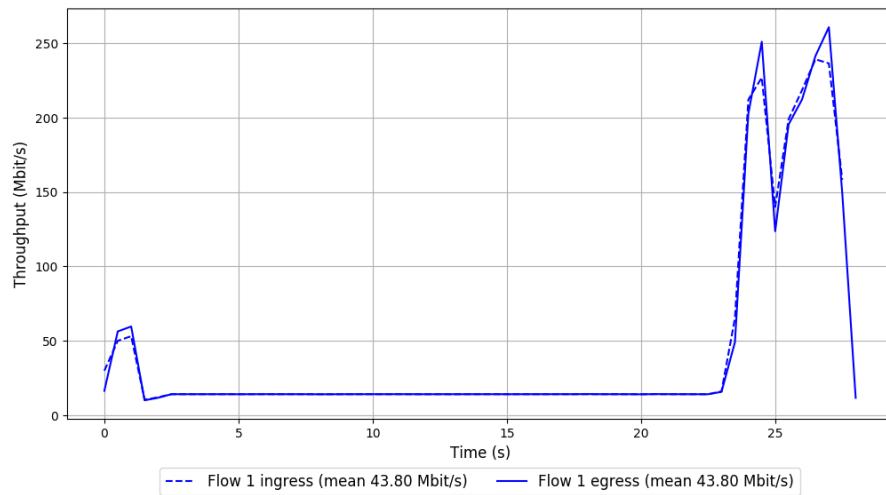
Run 4: Statistics of TaoVA-100x

Start at: 2018-01-26 00:40:32

End at: 2018-01-26 00:41:02

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.80 Mbit/s
95th percentile per-packet one-way delay: 63.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.80 Mbit/s
95th percentile per-packet one-way delay: 63.019 ms
Loss rate: 0.00%
```

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



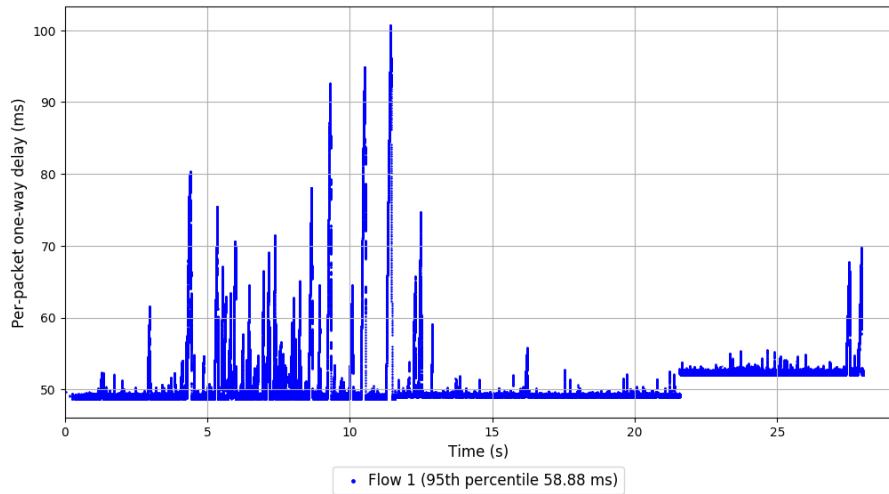
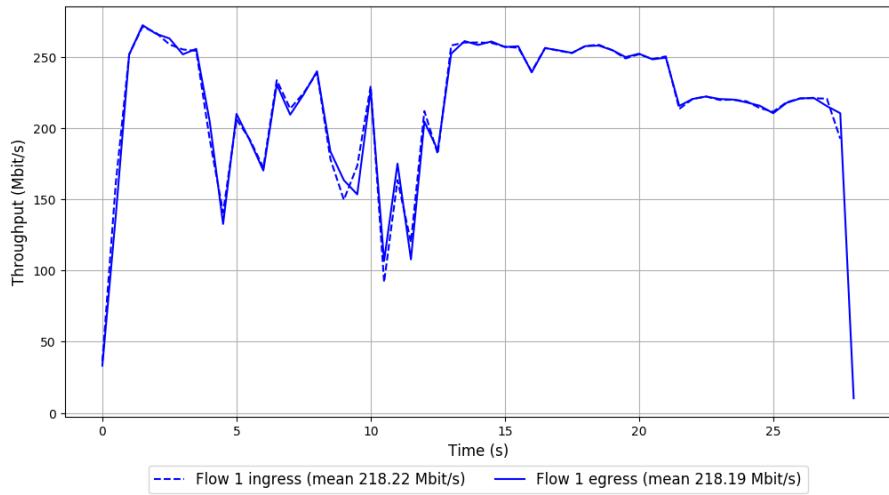
Run 5: Statistics of TaoVA-100x

Start at: 2018-01-26 00:52:18

End at: 2018-01-26 00:52:48

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.19 Mbit/s
95th percentile per-packet one-way delay: 58.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.19 Mbit/s
95th percentile per-packet one-way delay: 58.879 ms
Loss rate: 0.00%
```

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



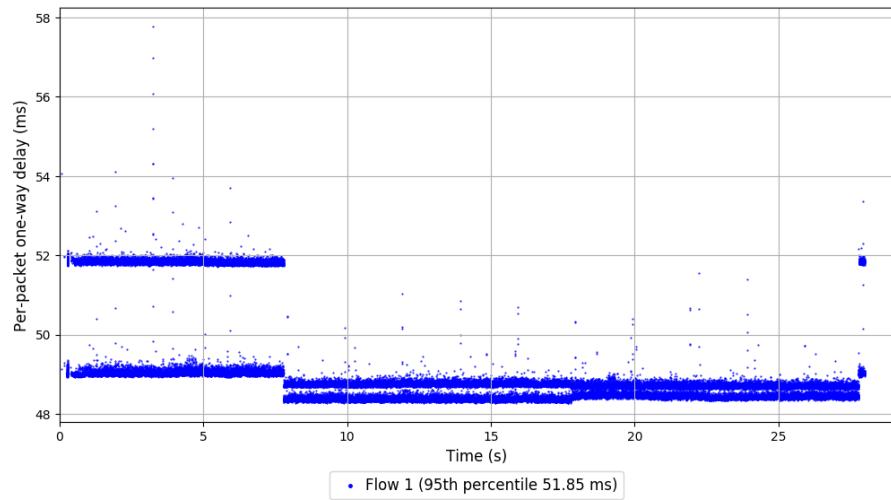
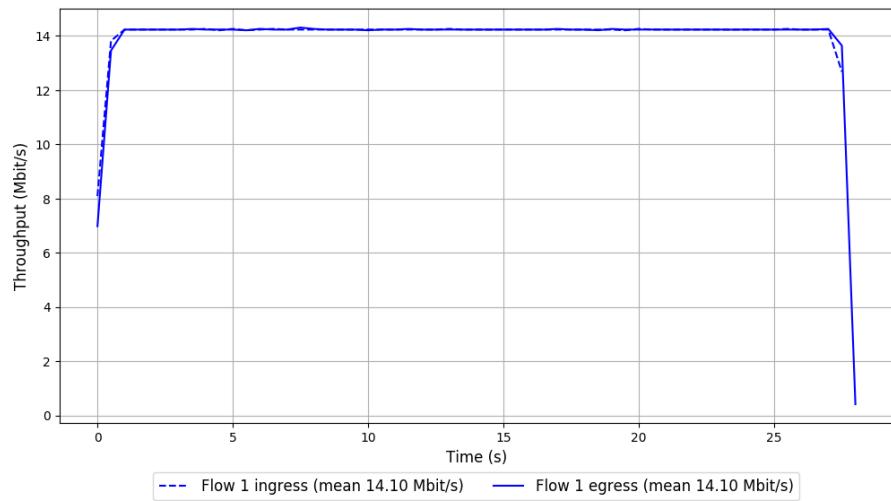
Run 6: Statistics of TaoVA-100x

Start at: 2018-01-26 01:04:22

End at: 2018-01-26 01:04:52

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.10 Mbit/s
95th percentile per-packet one-way delay: 51.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.10 Mbit/s
95th percentile per-packet one-way delay: 51.853 ms
Loss rate: 0.00%
```

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

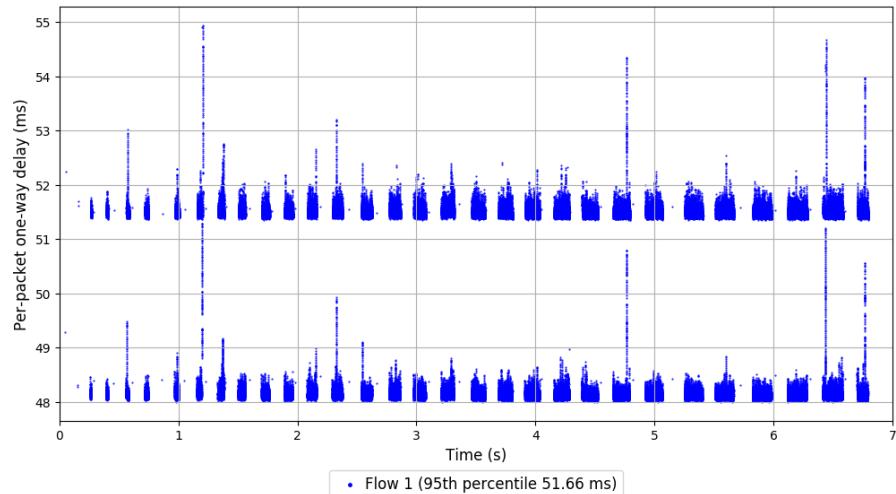
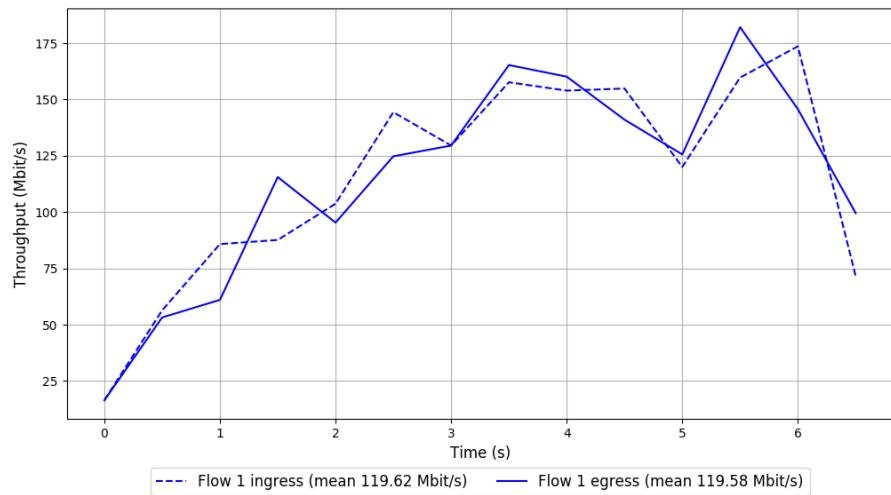


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-26 01:16:01

End at: 2018-01-26 01:16:31

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



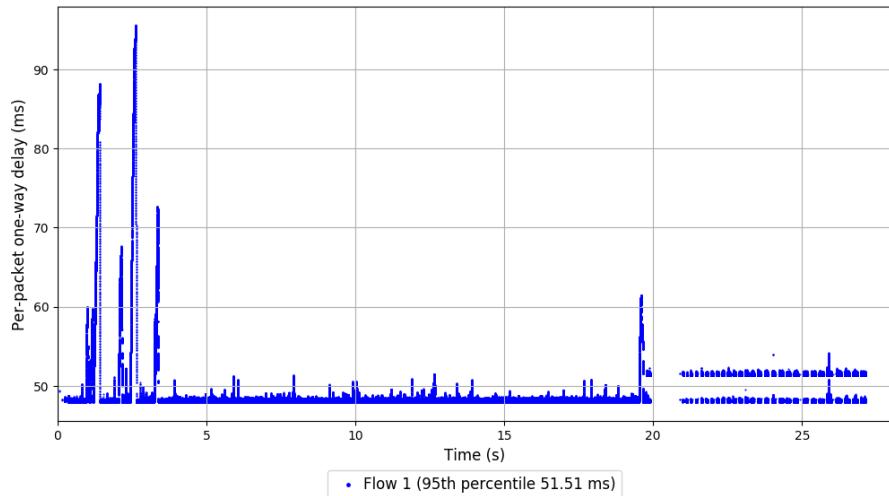
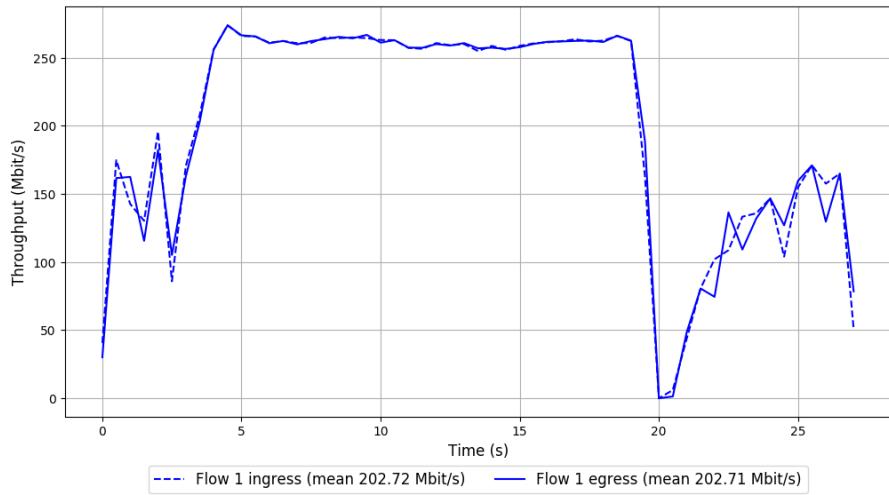
Run 8: Statistics of TaoVA-100x

Start at: 2018-01-26 01:27:40

End at: 2018-01-26 01:28:10

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.71 Mbit/s
95th percentile per-packet one-way delay: 51.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.71 Mbit/s
95th percentile per-packet one-way delay: 51.511 ms
Loss rate: 0.00%
```

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



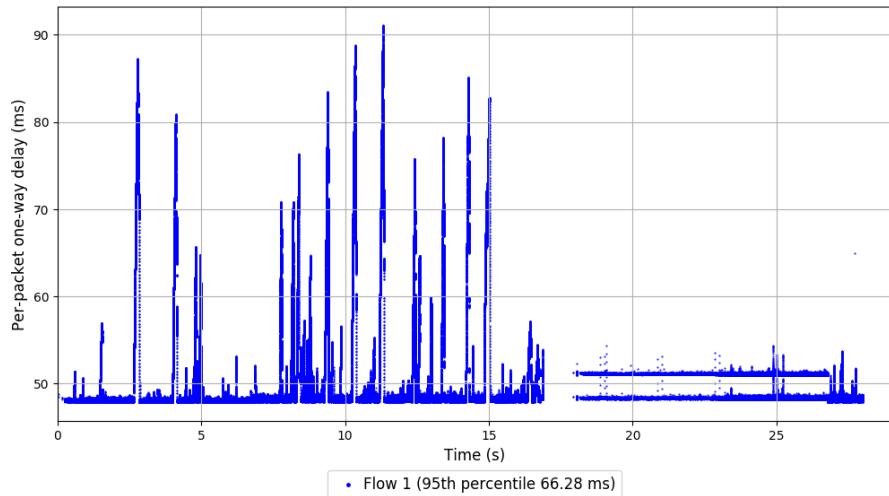
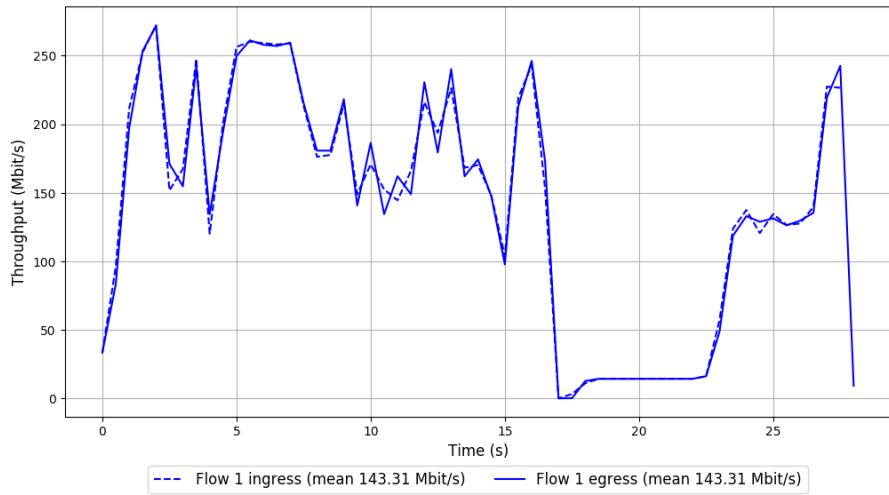
Run 9: Statistics of TaoVA-100x

Start at: 2018-01-26 01:39:43

End at: 2018-01-26 01:40:13

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 143.31 Mbit/s
95th percentile per-packet one-way delay: 66.275 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 143.31 Mbit/s
95th percentile per-packet one-way delay: 66.275 ms
Loss rate: 0.00%
```

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



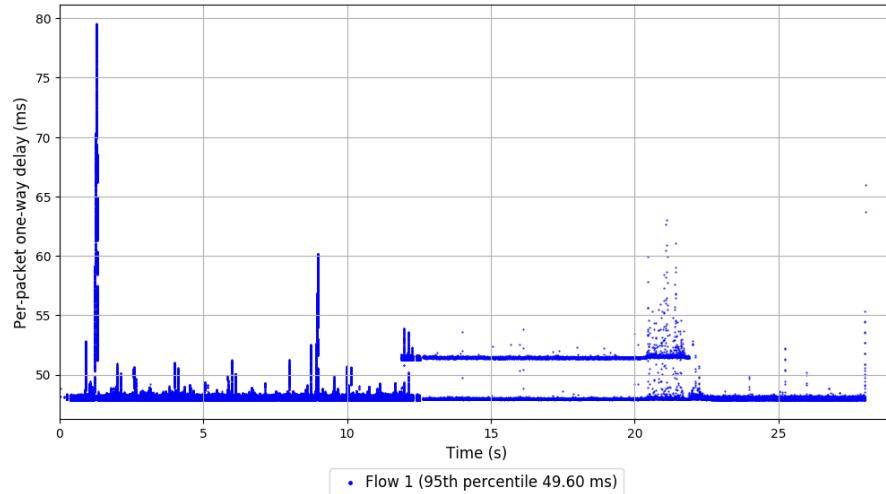
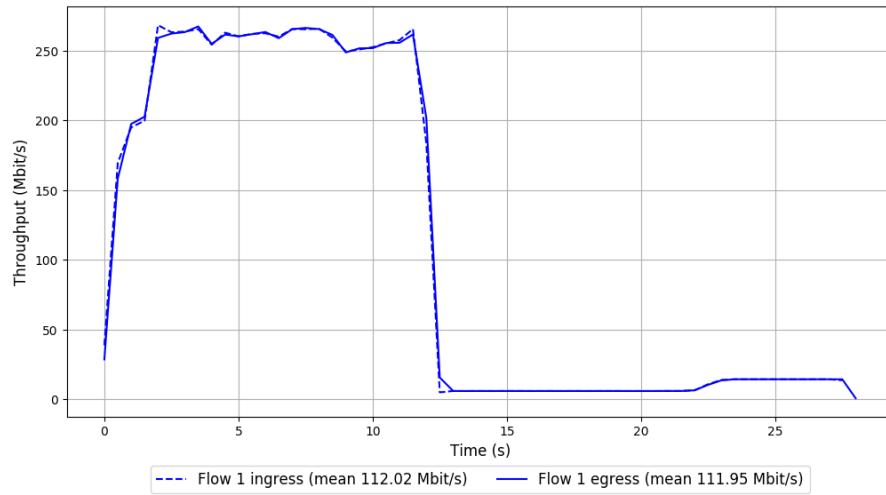
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-26 01:51:38

End at: 2018-01-26 01:52:08

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 111.95 Mbit/s
95th percentile per-packet one-way delay: 49.605 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.95 Mbit/s
95th percentile per-packet one-way delay: 49.605 ms
Loss rate: 0.00%
```

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



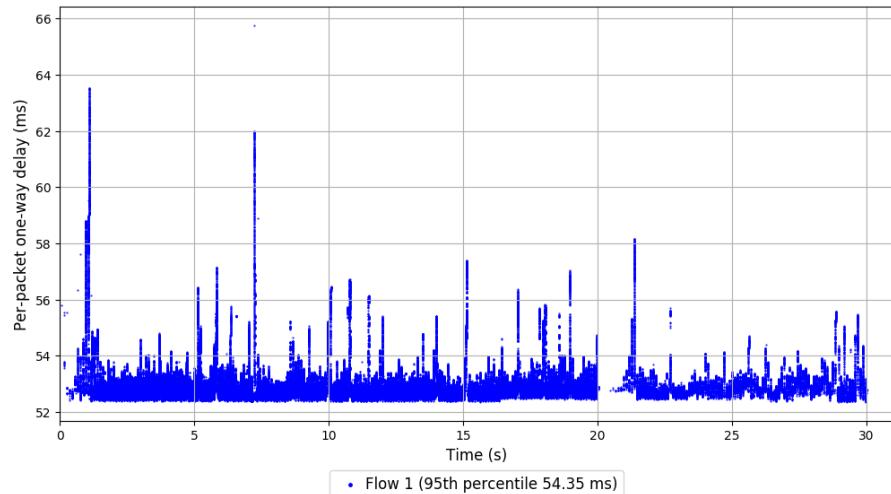
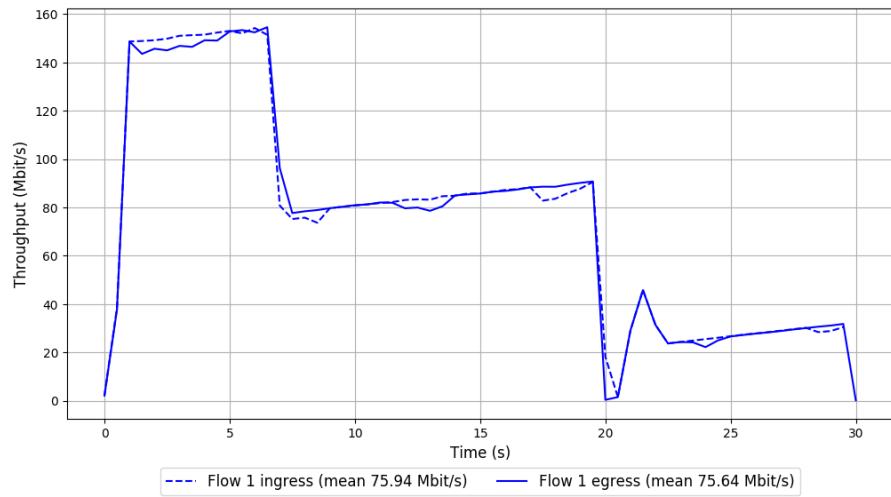
Run 1: Statistics of TCP Vegas

Start at: 2018-01-25 23:58:55

End at: 2018-01-25 23:59:25

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.64 Mbit/s
95th percentile per-packet one-way delay: 54.352 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 75.64 Mbit/s
95th percentile per-packet one-way delay: 54.352 ms
Loss rate: 0.40%
```

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



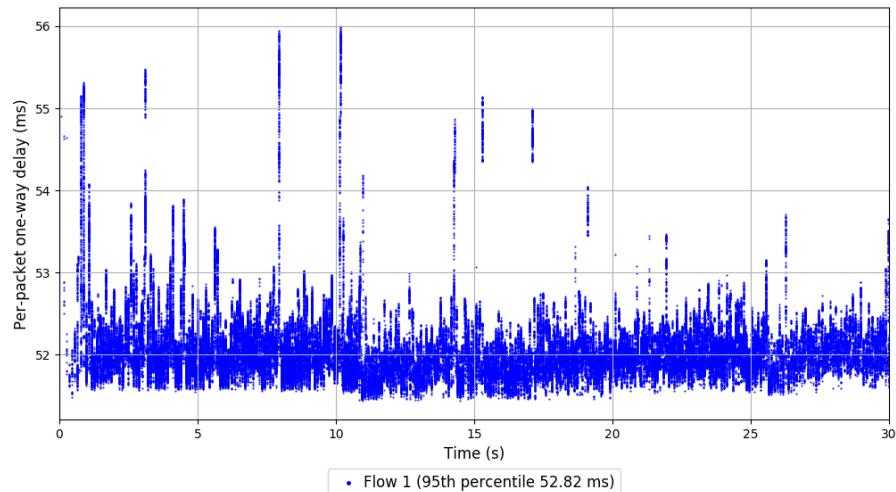
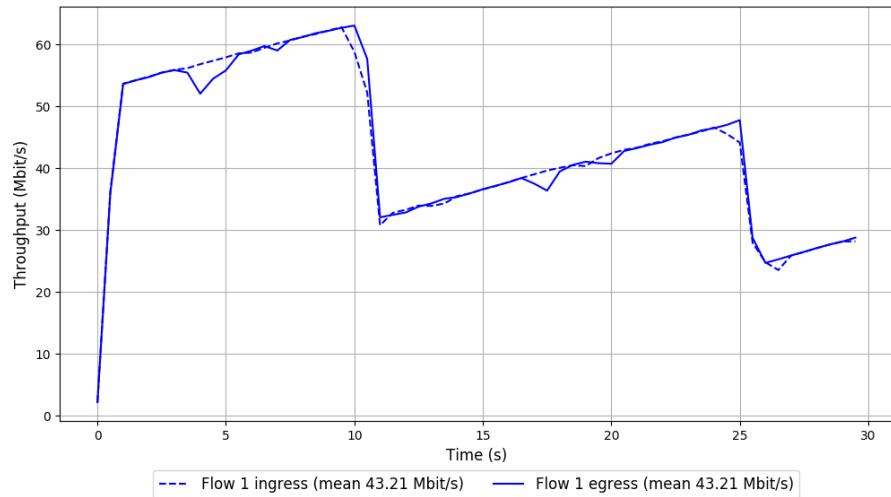
Run 2: Statistics of TCP Vegas

Start at: 2018-01-26 00:10:51

End at: 2018-01-26 00:11:21

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 52.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 52.818 ms
Loss rate: 0.00%
```

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



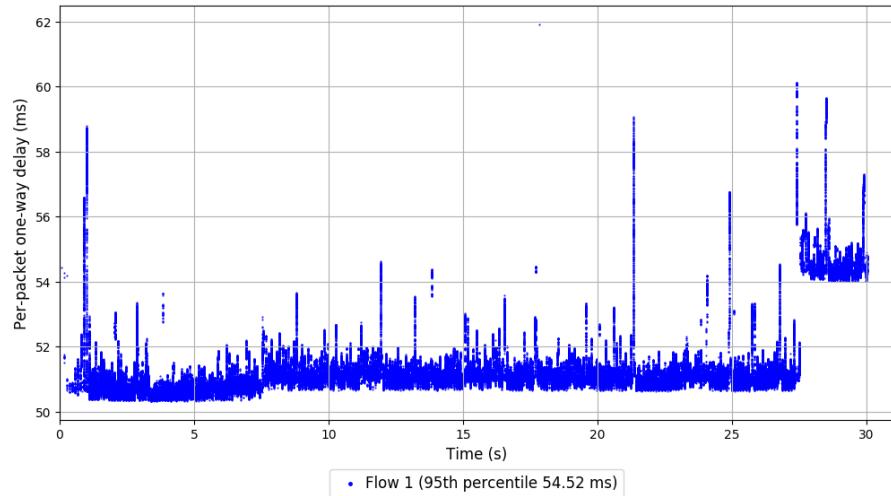
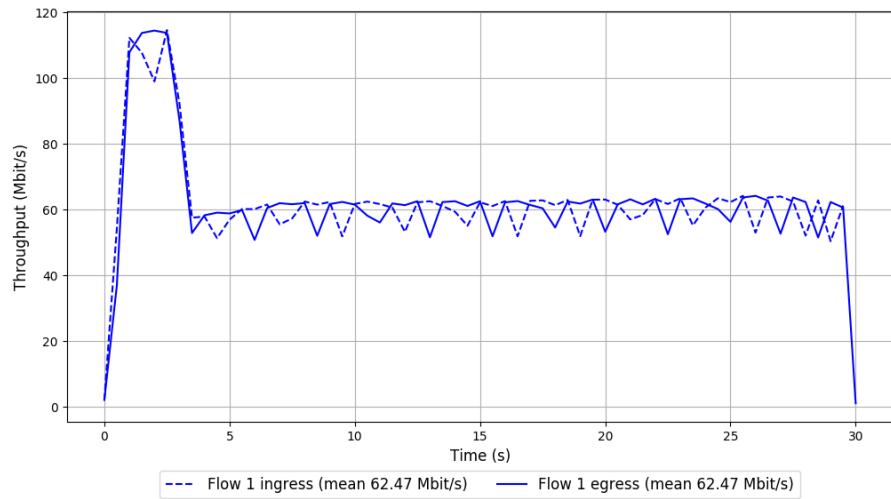
Run 3: Statistics of TCP Vegas

Start at: 2018-01-26 00:22:34

End at: 2018-01-26 00:23:04

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.47 Mbit/s
95th percentile per-packet one-way delay: 54.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.47 Mbit/s
95th percentile per-packet one-way delay: 54.517 ms
Loss rate: 0.00%
```

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

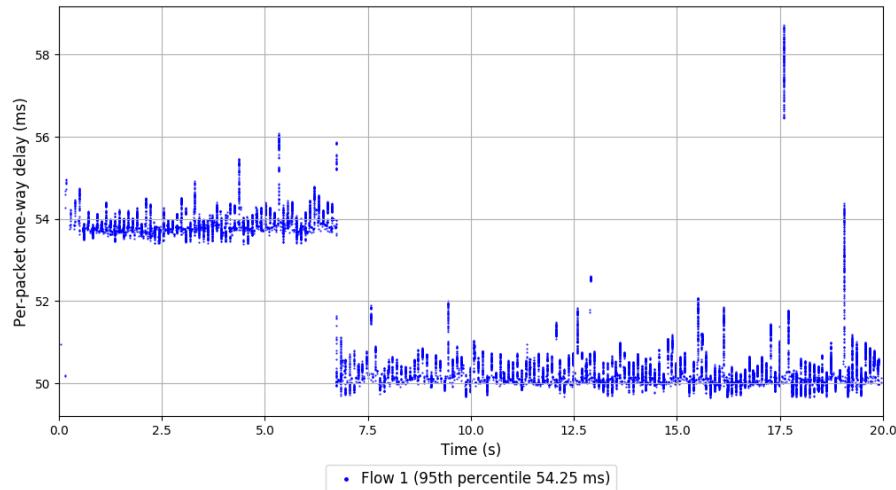
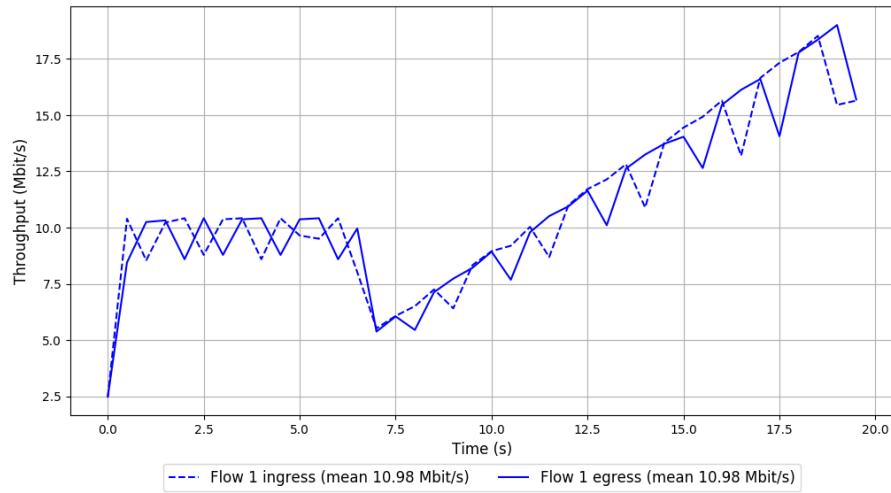


Run 4: Statistics of TCP Vegas

Start at: 2018-01-26 00:34:25

End at: 2018-01-26 00:34:55

Run 4: Report of TCP Vegas — Data Link

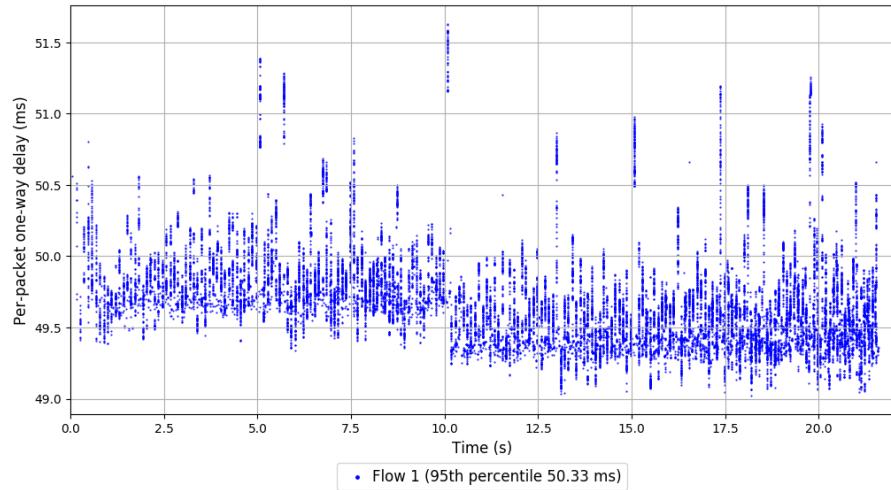
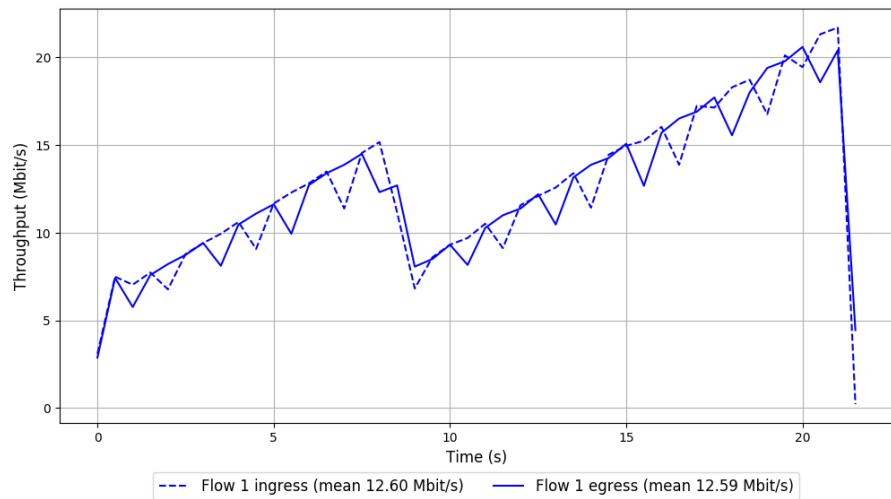


Run 5: Statistics of TCP Vegas

Start at: 2018-01-26 00:46:13

End at: 2018-01-26 00:46:43

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



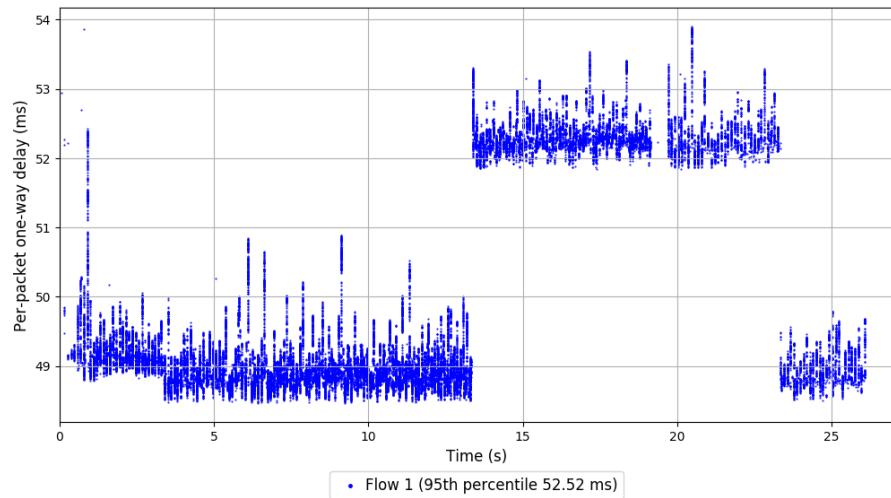
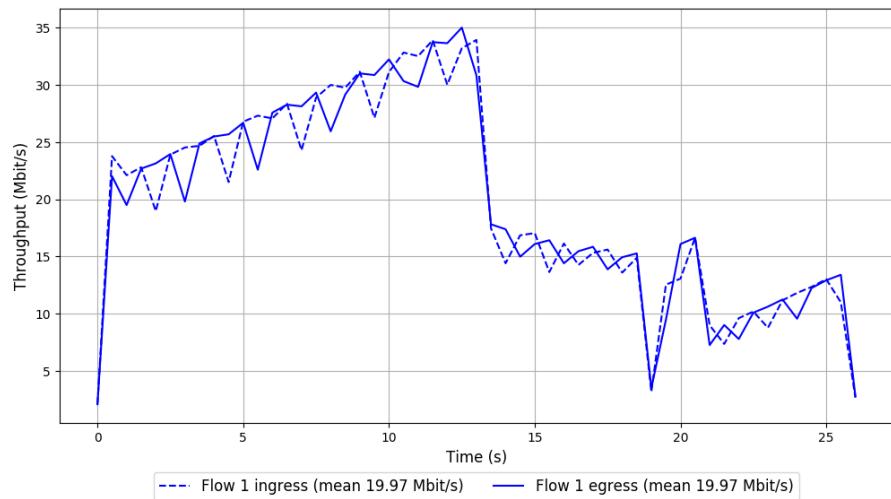
Run 6: Statistics of TCP Vegas

Start at: 2018-01-26 00:58:15

End at: 2018-01-26 00:58:45

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.97 Mbit/s
95th percentile per-packet one-way delay: 52.516 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 19.97 Mbit/s
95th percentile per-packet one-way delay: 52.516 ms
Loss rate: 0.02%
```

Run 6: Report of TCP Vegas — Data Link

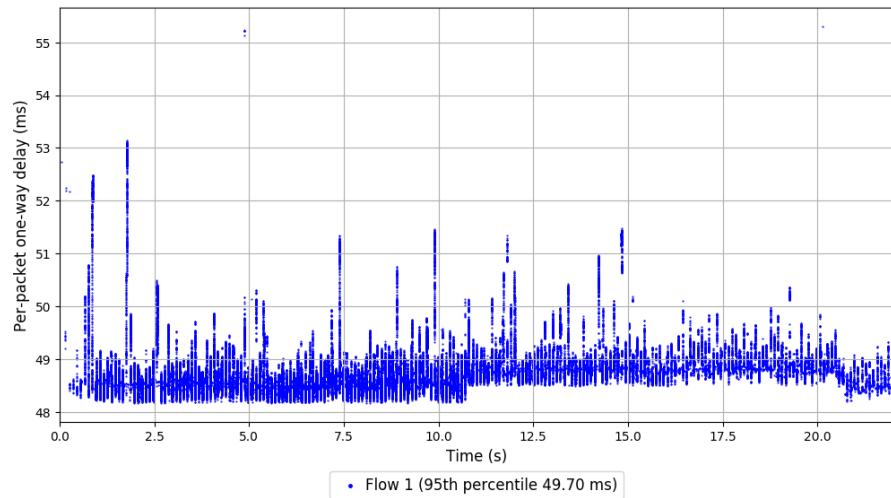
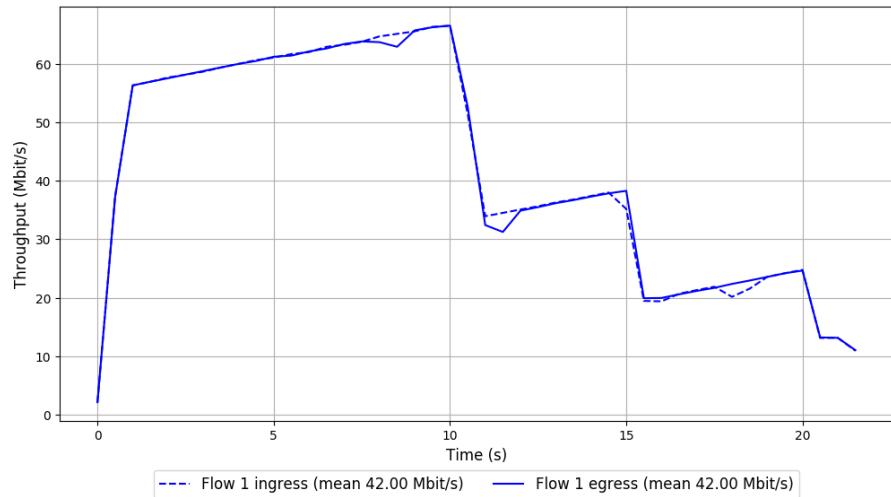


Run 7: Statistics of TCP Vegas

Start at: 2018-01-26 01:10:03

End at: 2018-01-26 01:10:33

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



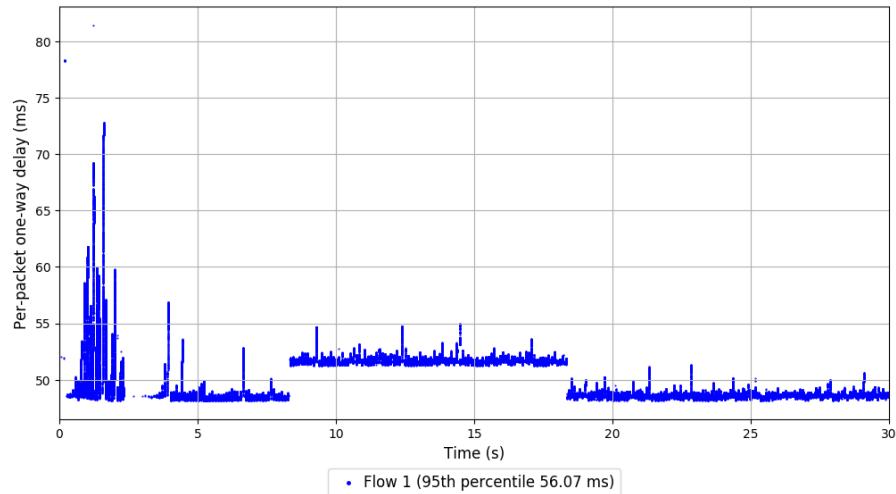
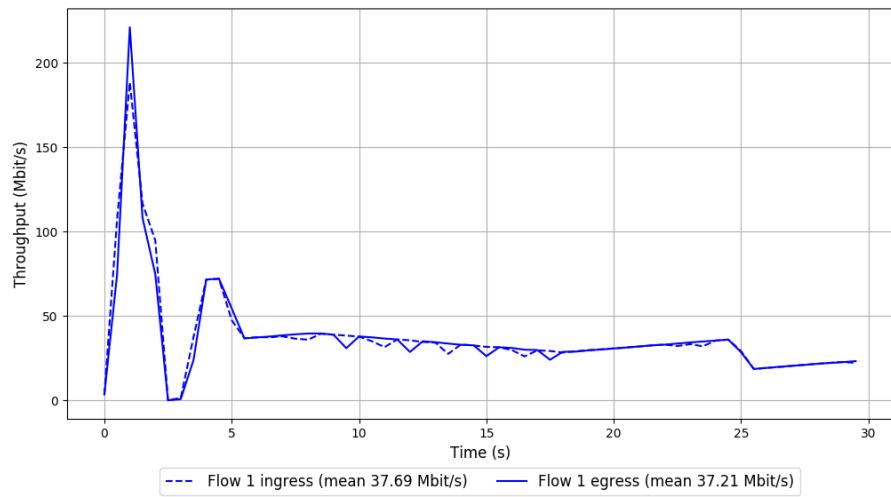
Run 8: Statistics of TCP Vegas

Start at: 2018-01-26 01:21:34

End at: 2018-01-26 01:22:04

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 56.070 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 56.070 ms
Loss rate: 1.27%
```

Run 8: Report of TCP Vegas — Data Link

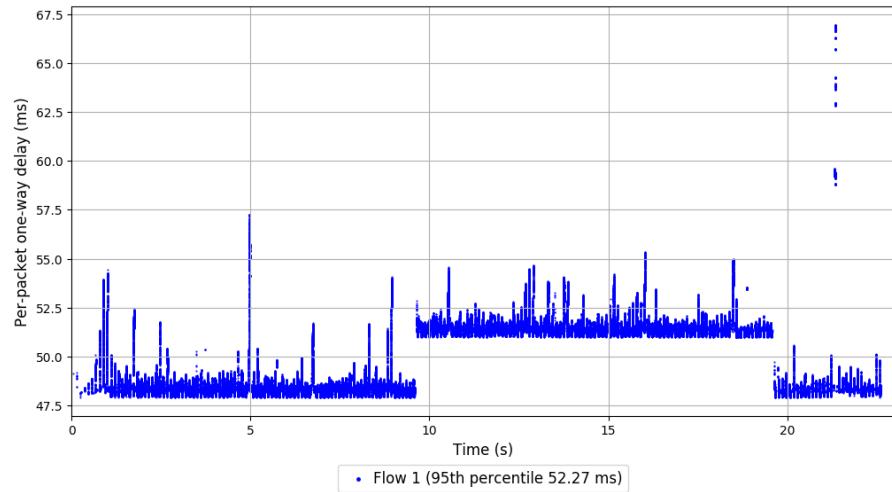
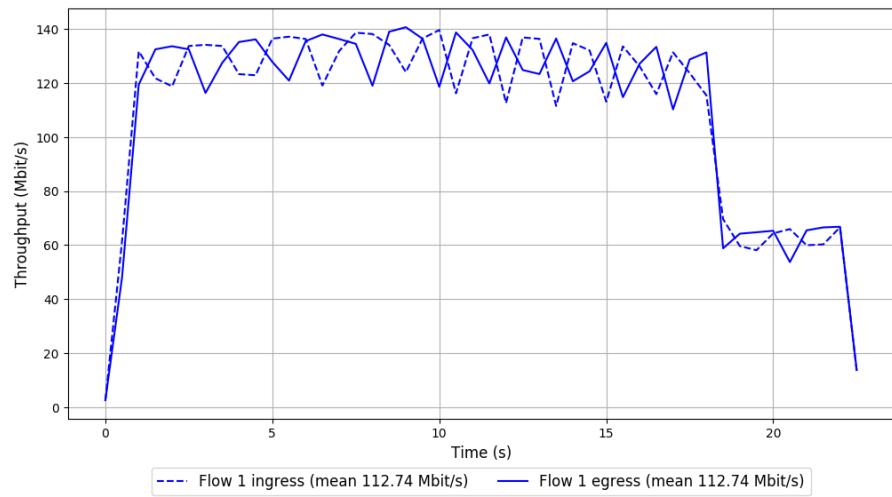


Run 9: Statistics of TCP Vegas

Start at: 2018-01-26 01:33:35

End at: 2018-01-26 01:34:05

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



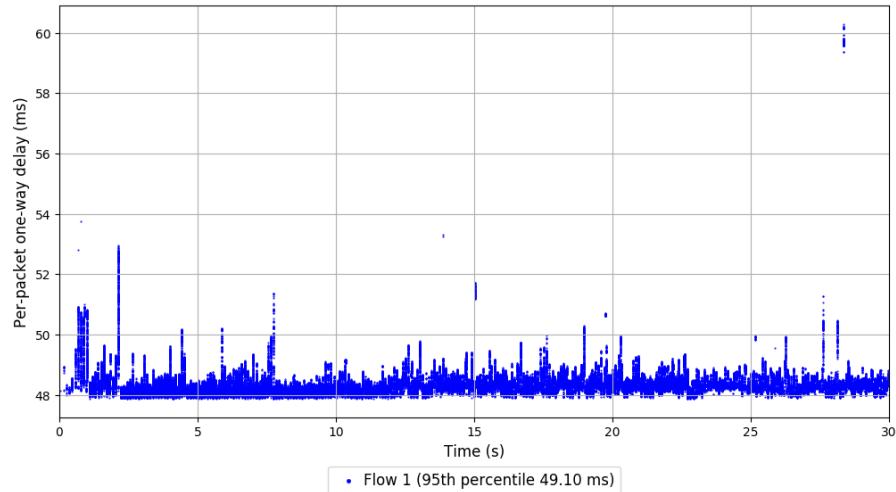
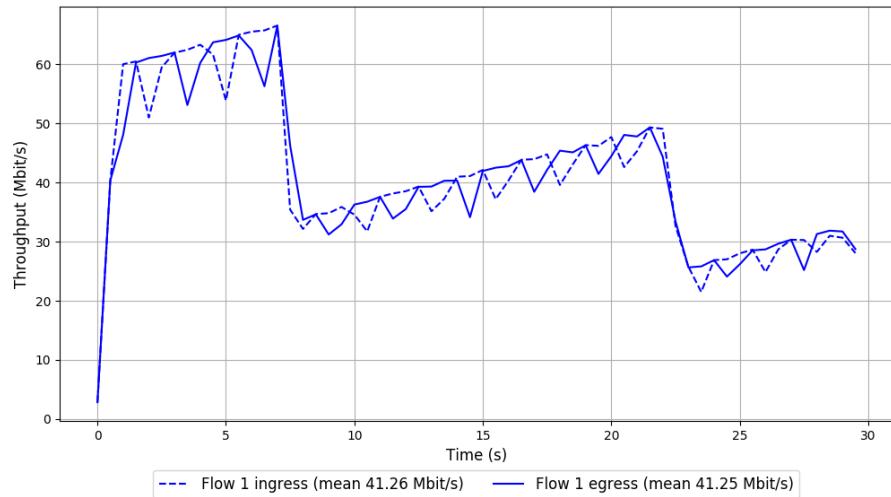
Run 10: Statistics of TCP Vegas

Start at: 2018-01-26 01:45:30

End at: 2018-01-26 01:46:00

```
# Below is generated by plot.py at 2018-01-26 03:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.25 Mbit/s
95th percentile per-packet one-way delay: 49.099 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 41.25 Mbit/s
95th percentile per-packet one-way delay: 49.099 ms
Loss rate: 0.01%
```

Run 10: Report of TCP Vegas — Data Link



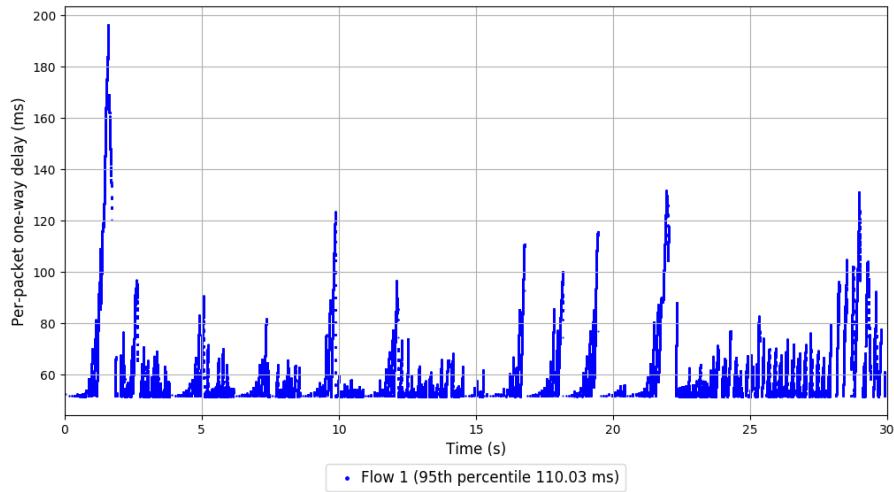
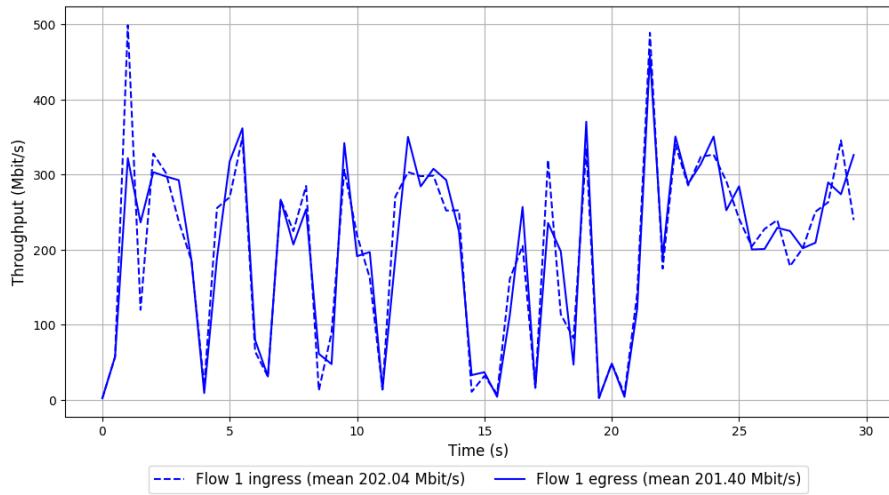
Run 1: Statistics of Verus

Start at: 2018-01-26 00:10:00

End at: 2018-01-26 00:10:30

```
# Below is generated by plot.py at 2018-01-26 03:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.40 Mbit/s
95th percentile per-packet one-way delay: 110.035 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 201.40 Mbit/s
95th percentile per-packet one-way delay: 110.035 ms
Loss rate: 0.29%
```

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



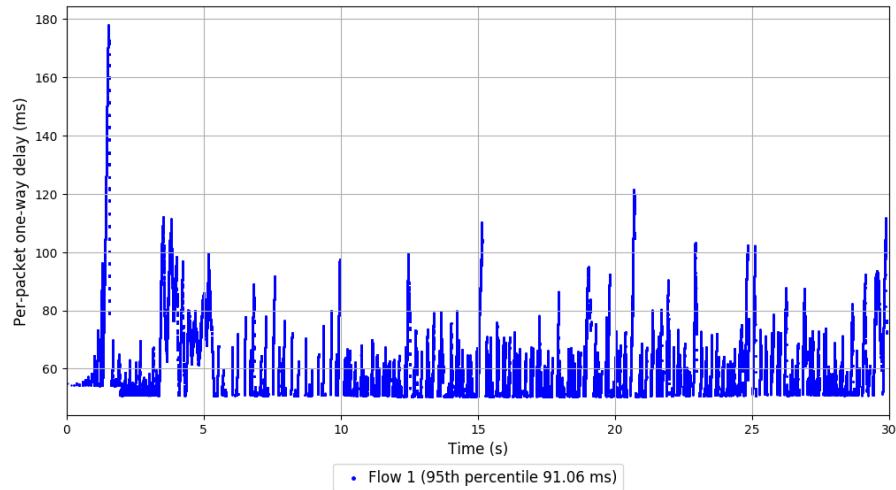
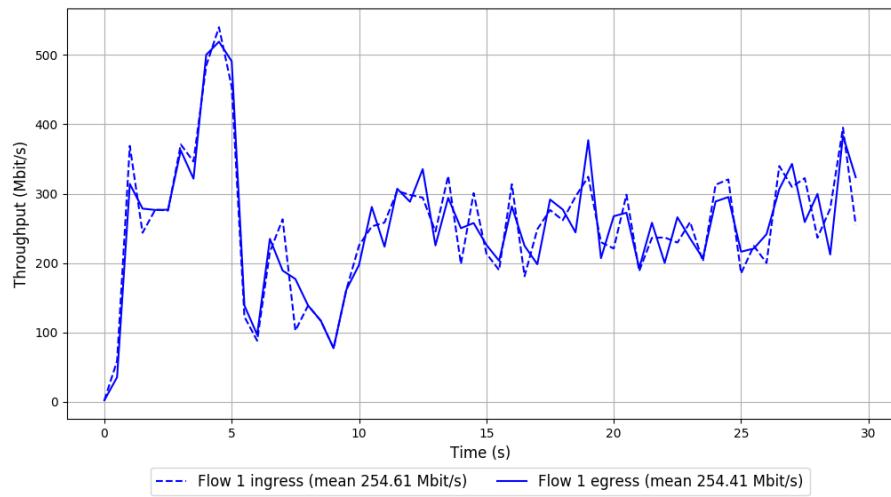
Run 2: Statistics of Verus

Start at: 2018-01-26 00:21:40

End at: 2018-01-26 00:22:10

```
# Below is generated by plot.py at 2018-01-26 03:11:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 254.41 Mbit/s
95th percentile per-packet one-way delay: 91.059 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 254.41 Mbit/s
95th percentile per-packet one-way delay: 91.059 ms
Loss rate: 0.07%
```

Run 2: Report of Verus — Data Link



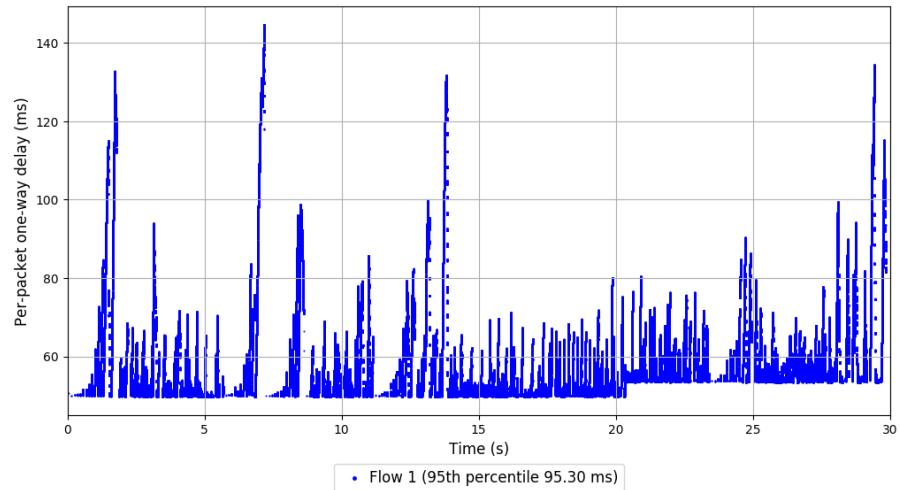
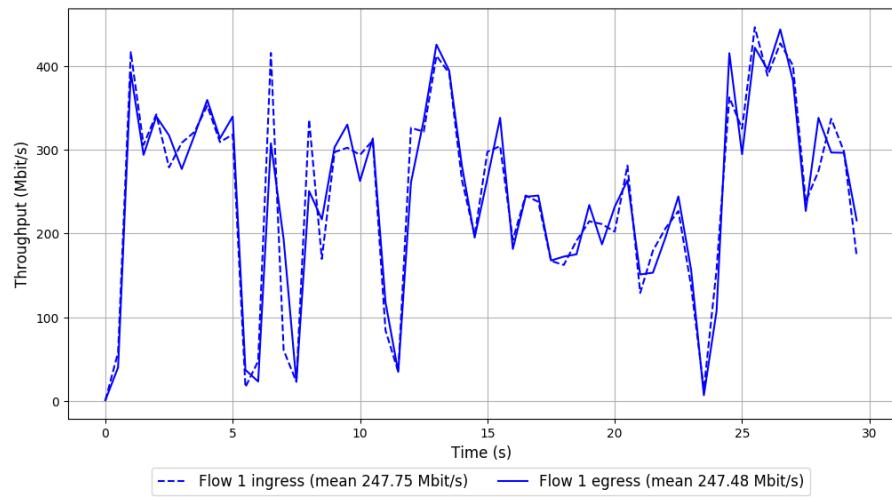
Run 3: Statistics of Verus

Start at: 2018-01-26 00:33:31

End at: 2018-01-26 00:34:01

```
# Below is generated by plot.py at 2018-01-26 03:11:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 247.48 Mbit/s
95th percentile per-packet one-way delay: 95.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 247.48 Mbit/s
95th percentile per-packet one-way delay: 95.302 ms
Loss rate: 0.00%
```

Run 3: Report of Verus — Data Link



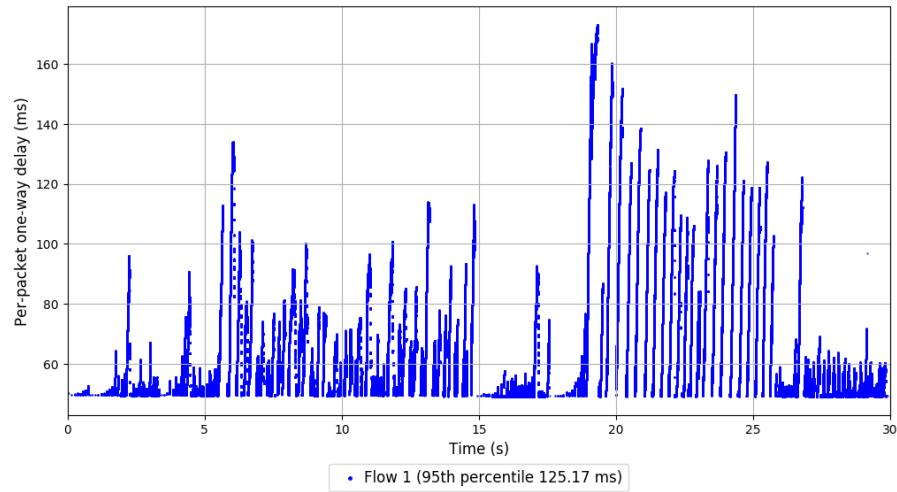
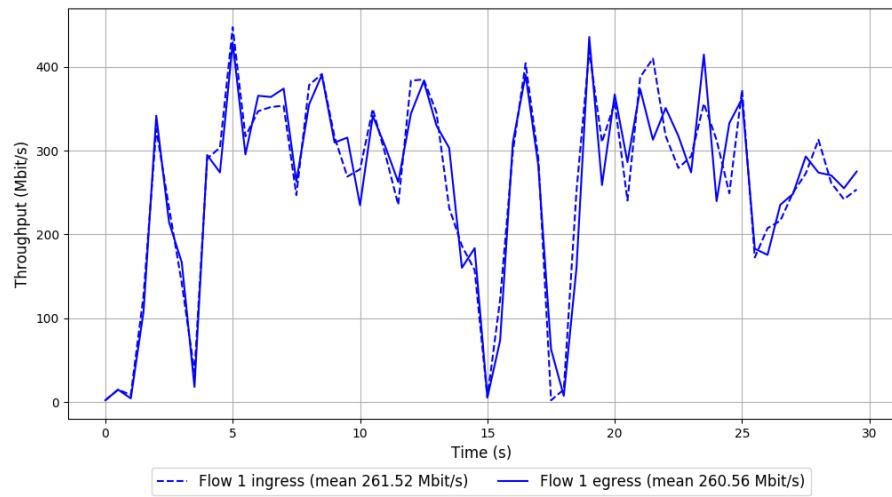
Run 4: Statistics of Verus

Start at: 2018-01-26 00:45:18

End at: 2018-01-26 00:45:48

```
# Below is generated by plot.py at 2018-01-26 03:11:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 260.56 Mbit/s
95th percentile per-packet one-way delay: 125.174 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 260.56 Mbit/s
95th percentile per-packet one-way delay: 125.174 ms
Loss rate: 0.37%
```

Run 4: Report of Verus — Data Link



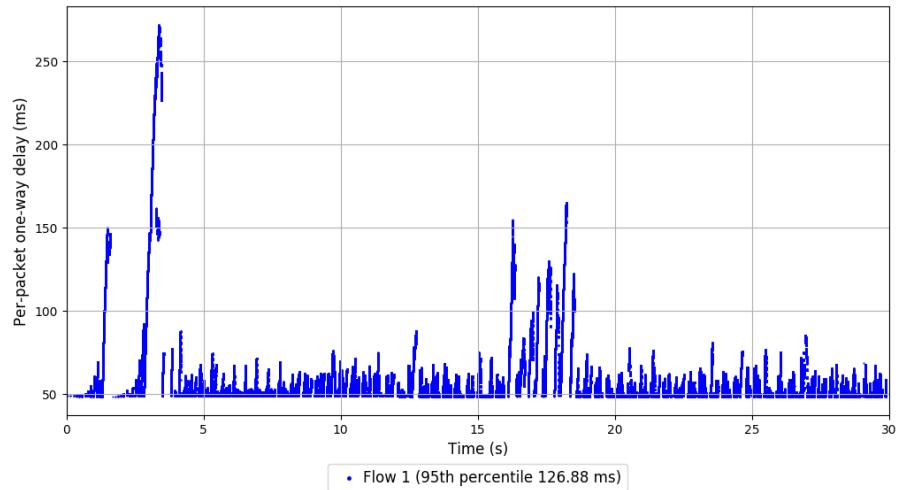
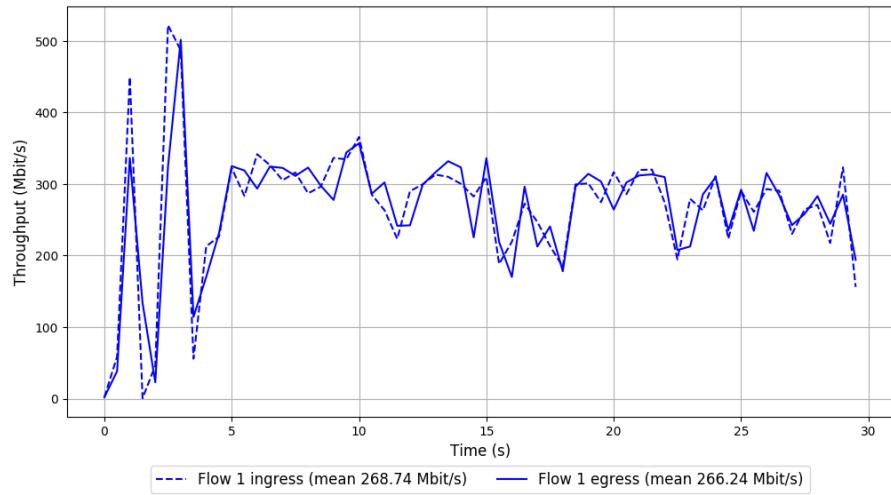
Run 5: Statistics of Verus

Start at: 2018-01-26 00:57:20

End at: 2018-01-26 00:57:50

```
# Below is generated by plot.py at 2018-01-26 03:12:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 266.24 Mbit/s
95th percentile per-packet one-way delay: 126.882 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 266.24 Mbit/s
95th percentile per-packet one-way delay: 126.882 ms
Loss rate: 0.92%
```

Run 5: Report of Verus — Data Link



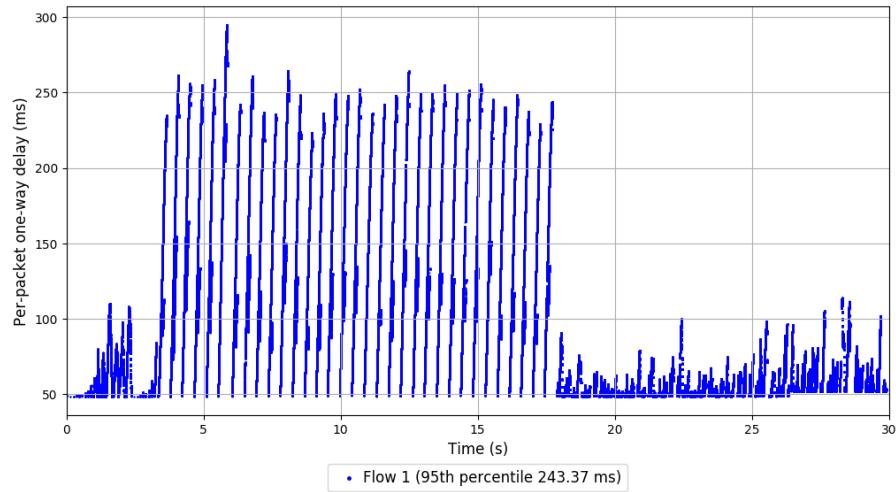
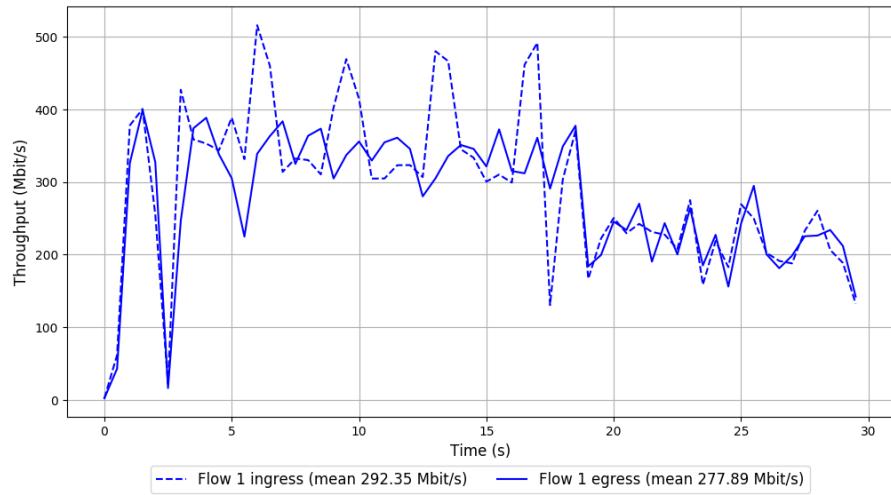
Run 6: Statistics of Verus

Start at: 2018-01-26 01:09:05

End at: 2018-01-26 01:09:35

```
# Below is generated by plot.py at 2018-01-26 03:12:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 277.89 Mbit/s
95th percentile per-packet one-way delay: 243.368 ms
Loss rate: 4.93%
-- Flow 1:
Average throughput: 277.89 Mbit/s
95th percentile per-packet one-way delay: 243.368 ms
Loss rate: 4.93%
```

## Run 6: Report of Verus — Data Link



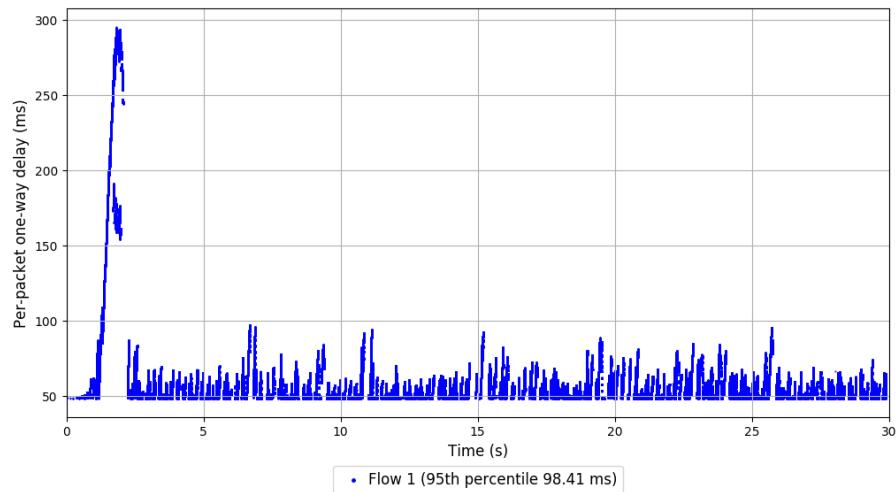
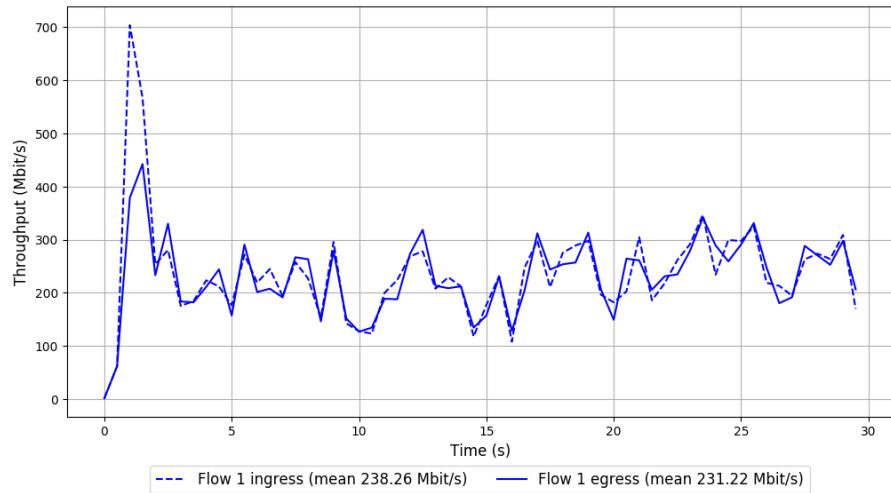
Run 7: Statistics of Verus

Start at: 2018-01-26 01:20:41

End at: 2018-01-26 01:21:11

```
# Below is generated by plot.py at 2018-01-26 03:12:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 231.22 Mbit/s
95th percentile per-packet one-way delay: 98.414 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 231.22 Mbit/s
95th percentile per-packet one-way delay: 98.414 ms
Loss rate: 2.94%
```

### Run 7: Report of Verus — Data Link



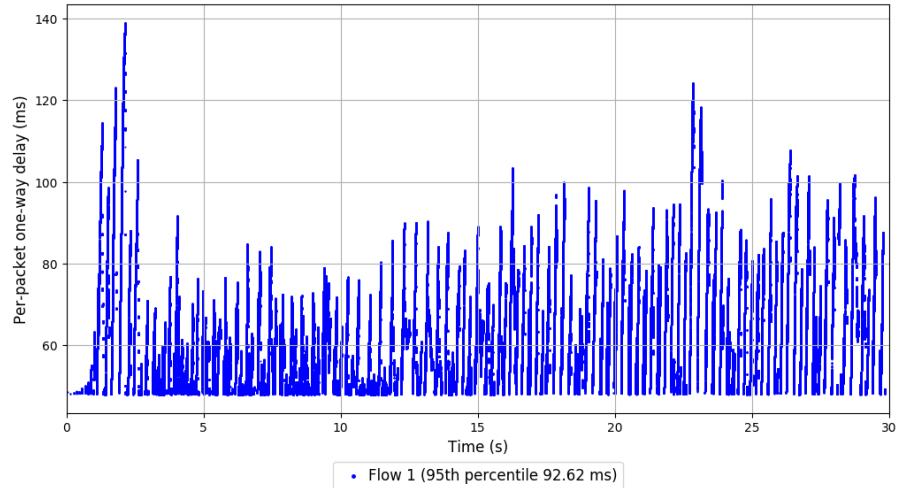
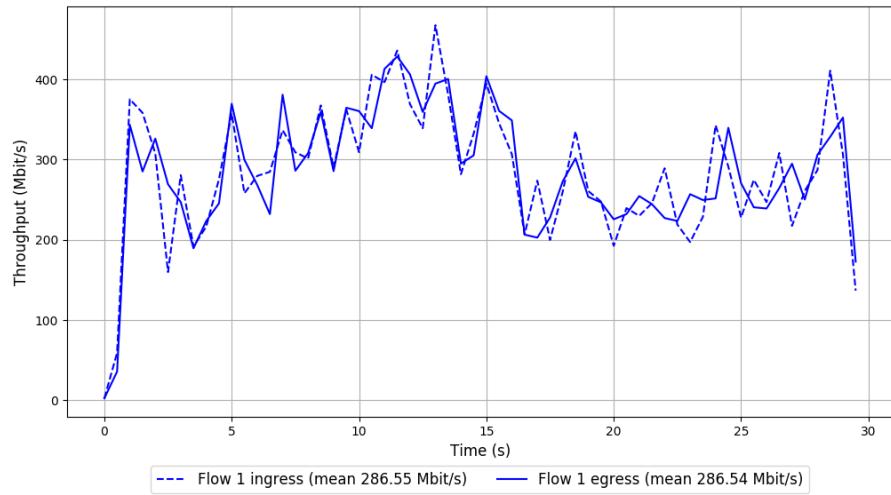
Run 8: Statistics of Verus

Start at: 2018-01-26 01:32:39

End at: 2018-01-26 01:33:09

```
# Below is generated by plot.py at 2018-01-26 03:14:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 286.54 Mbit/s
95th percentile per-packet one-way delay: 92.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 286.54 Mbit/s
95th percentile per-packet one-way delay: 92.624 ms
Loss rate: 0.00%
```

Run 8: Report of Verus — Data Link



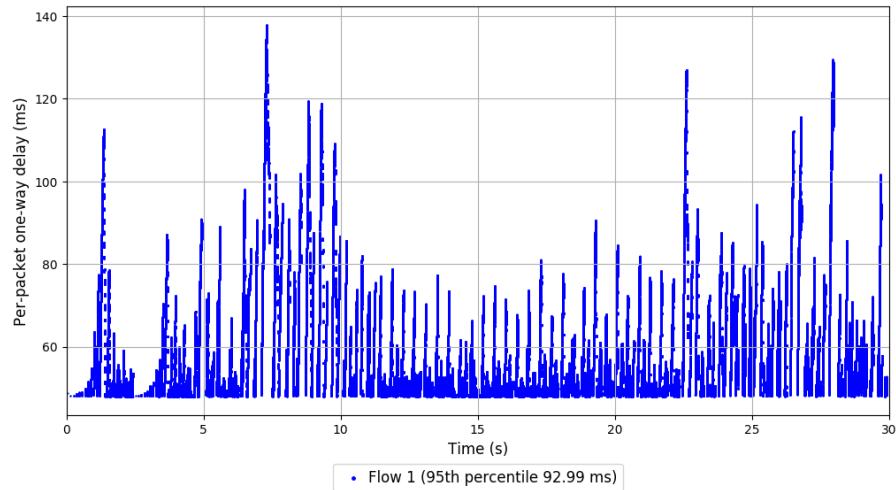
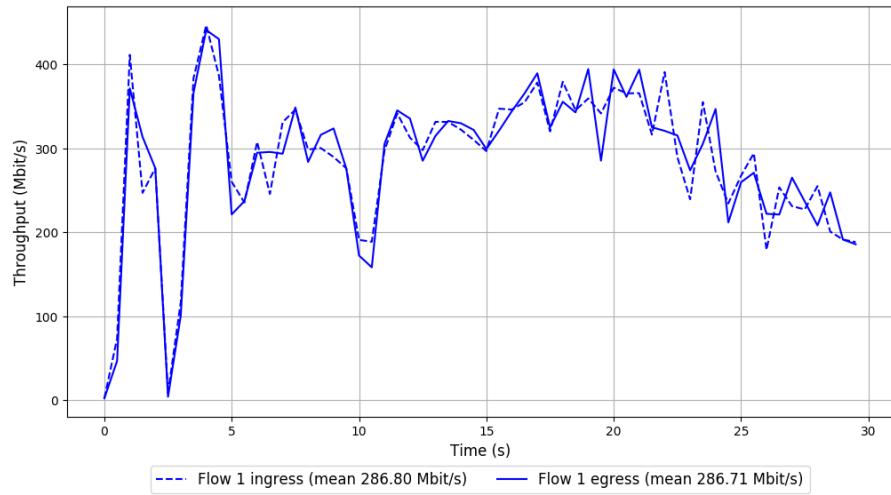
Run 9: Statistics of Verus

Start at: 2018-01-26 01:44:34

End at: 2018-01-26 01:45:04

```
# Below is generated by plot.py at 2018-01-26 03:15:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 286.71 Mbit/s
95th percentile per-packet one-way delay: 92.987 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 286.71 Mbit/s
95th percentile per-packet one-way delay: 92.987 ms
Loss rate: 0.02%
```

Run 9: Report of Verus — Data Link



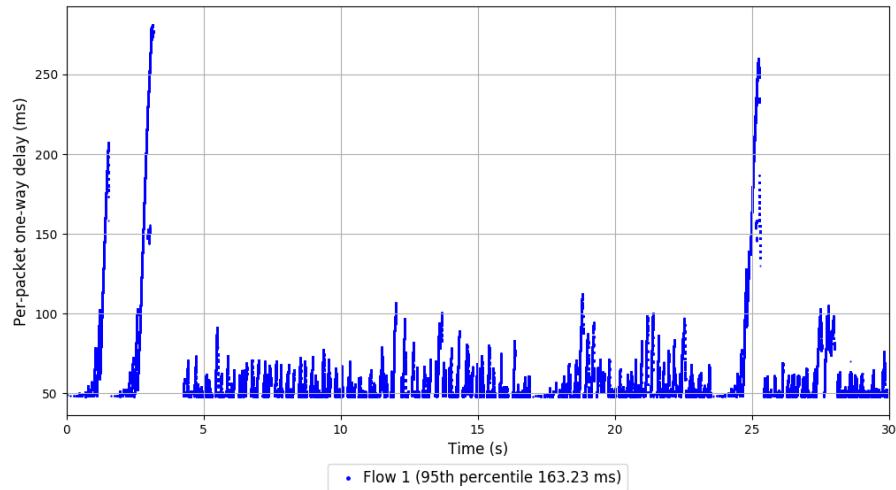
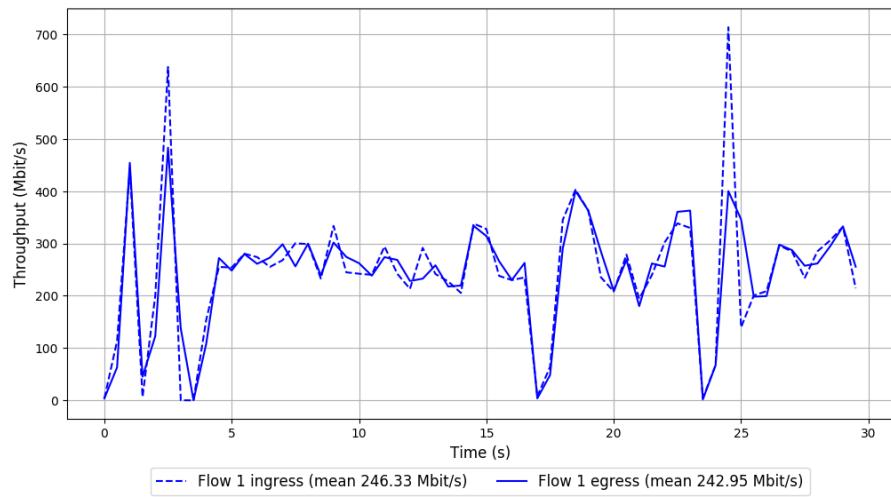
Run 10: Statistics of Verus

Start at: 2018-01-26 01:56:34

End at: 2018-01-26 01:57:04

```
# Below is generated by plot.py at 2018-01-26 03:15:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 242.95 Mbit/s
95th percentile per-packet one-way delay: 163.228 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 242.95 Mbit/s
95th percentile per-packet one-way delay: 163.228 ms
Loss rate: 1.37%
```

Run 10: Report of Verus — Data Link



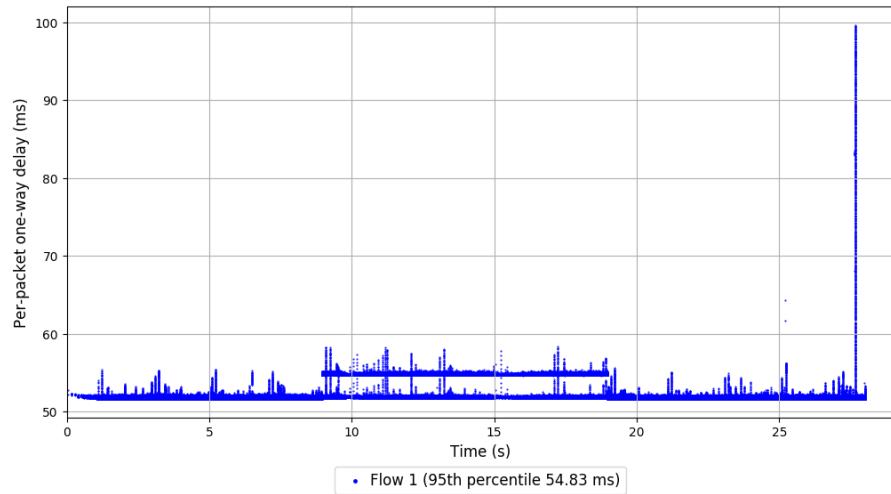
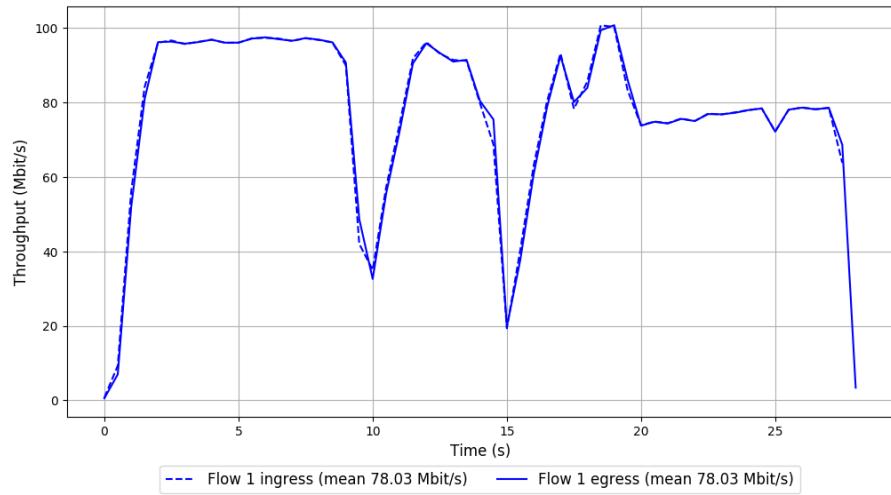
Run 1: Statistics of Copa

Start at: 2018-01-26 00:08:01

End at: 2018-01-26 00:08:31

```
# Below is generated by plot.py at 2018-01-26 03:15:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.03 Mbit/s
95th percentile per-packet one-way delay: 54.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.03 Mbit/s
95th percentile per-packet one-way delay: 54.830 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link



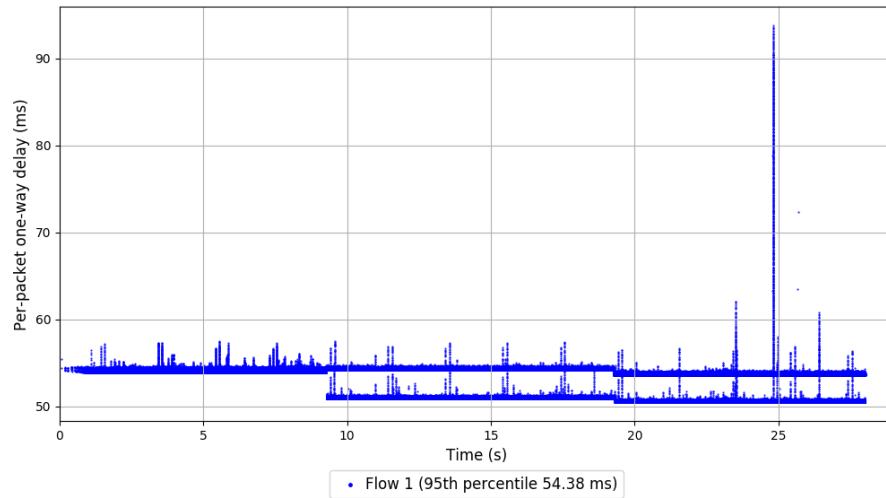
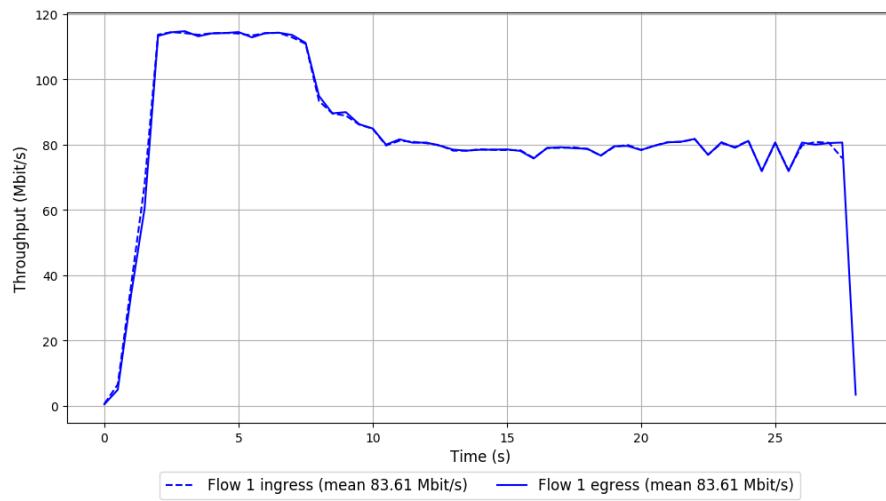
Run 2: Statistics of Copa

Start at: 2018-01-26 00:19:41

End at: 2018-01-26 00:20:11

```
# Below is generated by plot.py at 2018-01-26 03:15:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.61 Mbit/s
95th percentile per-packet one-way delay: 54.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.61 Mbit/s
95th percentile per-packet one-way delay: 54.384 ms
Loss rate: 0.00%
```

## Run 2: Report of Copa — Data Link



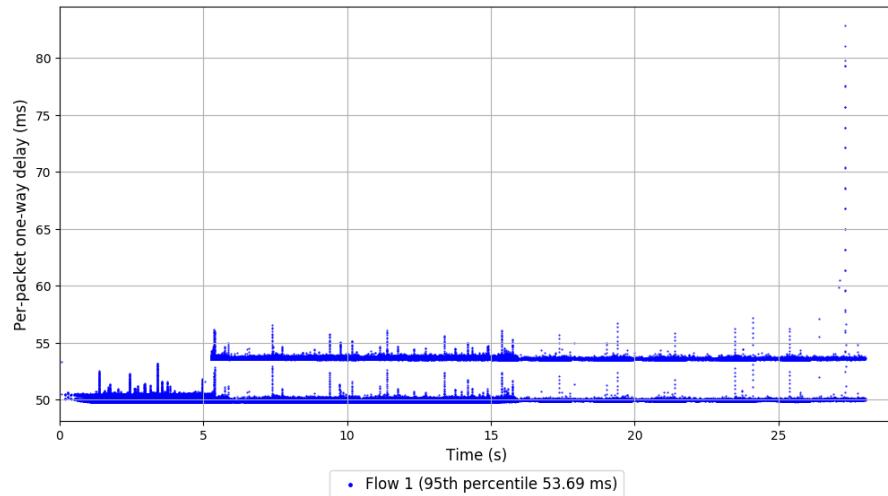
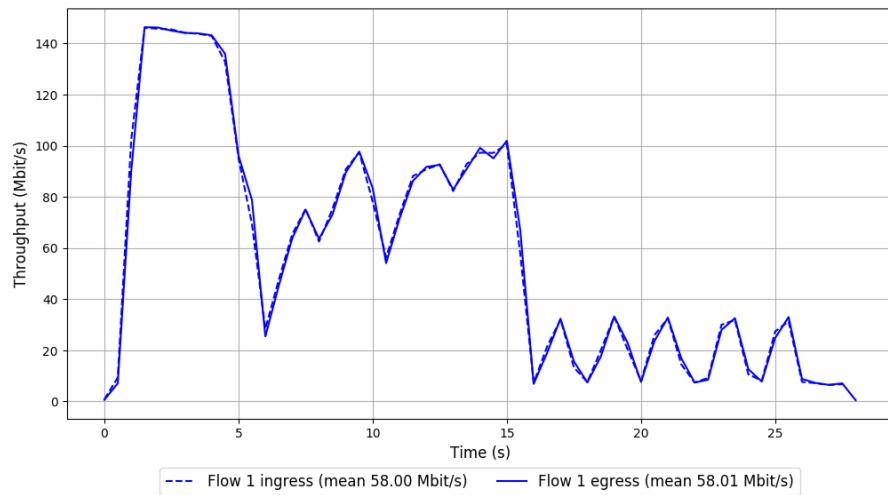
Run 3: Statistics of Copa

Start at: 2018-01-26 00:31:35

End at: 2018-01-26 00:32:05

```
# Below is generated by plot.py at 2018-01-26 03:15:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 53.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 53.689 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link



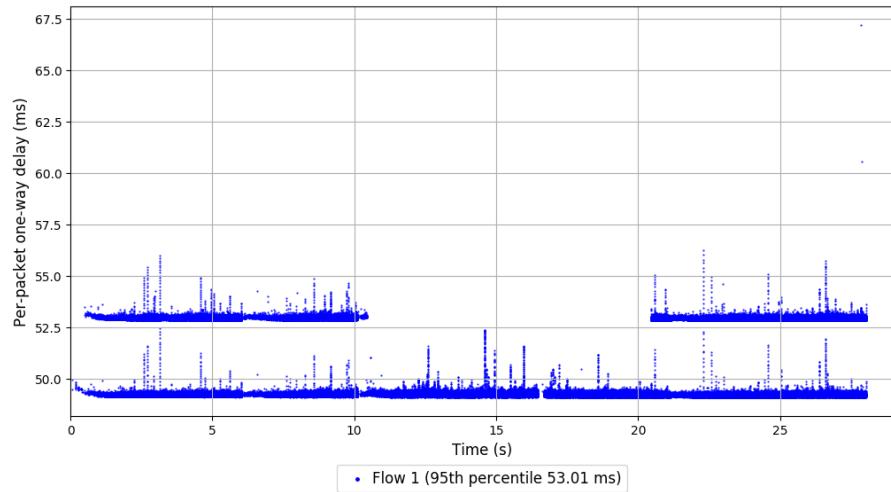
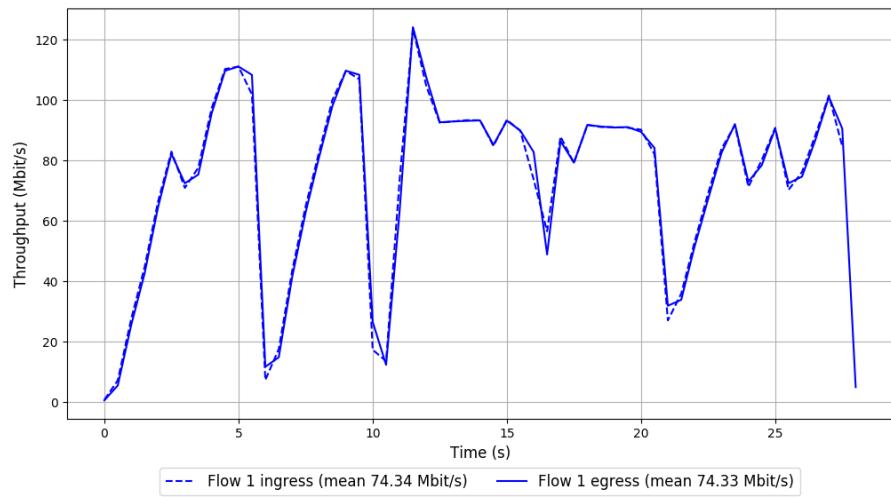
Run 4: Statistics of Copa

Start at: 2018-01-26 00:43:19

End at: 2018-01-26 00:43:49

```
# Below is generated by plot.py at 2018-01-26 03:15:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.33 Mbit/s
95th percentile per-packet one-way delay: 53.006 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.33 Mbit/s
95th percentile per-packet one-way delay: 53.006 ms
Loss rate: 0.00%
```

### Run 4: Report of Copa — Data Link



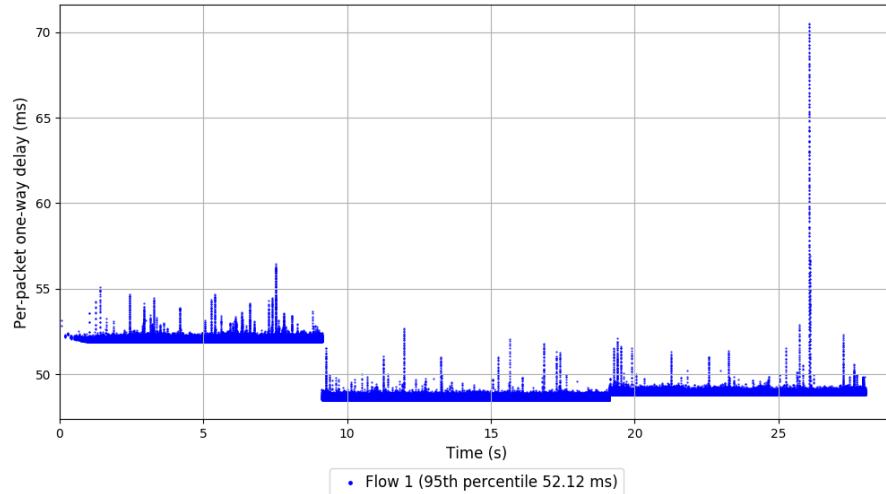
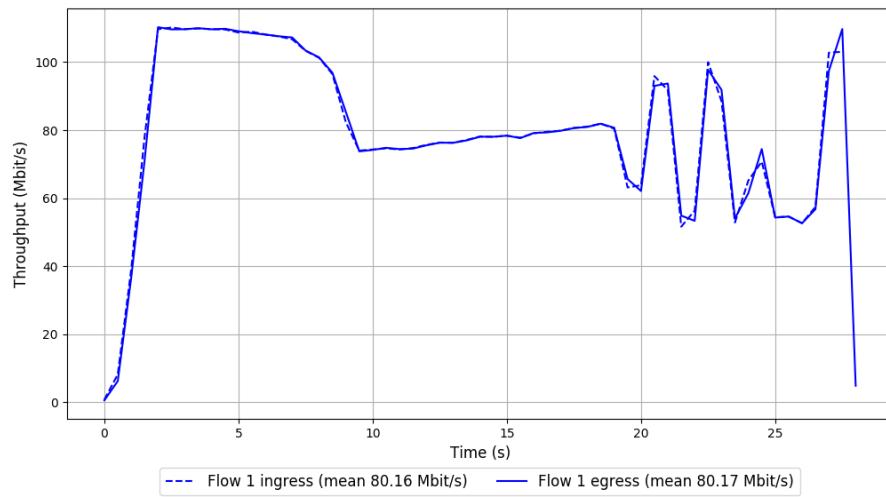
Run 5: Statistics of Copa

Start at: 2018-01-26 00:55:21

End at: 2018-01-26 00:55:51

```
# Below is generated by plot.py at 2018-01-26 03:15:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.17 Mbit/s
95th percentile per-packet one-way delay: 52.120 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.17 Mbit/s
95th percentile per-packet one-way delay: 52.120 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link



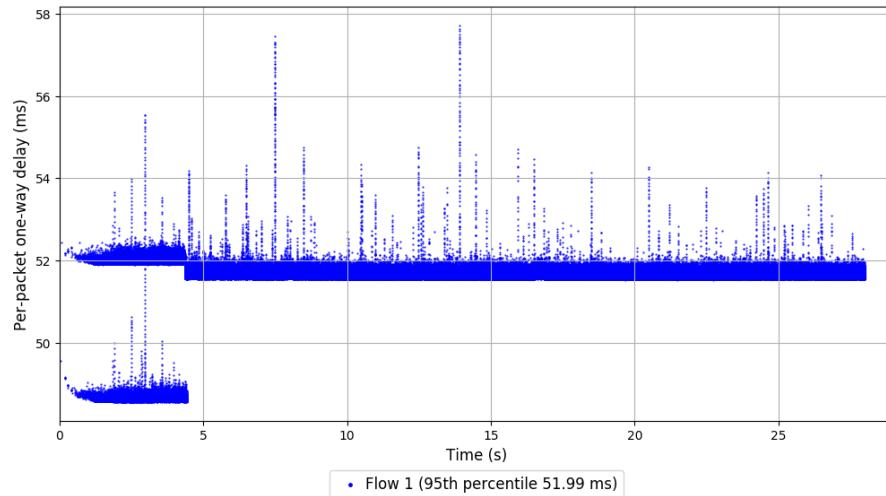
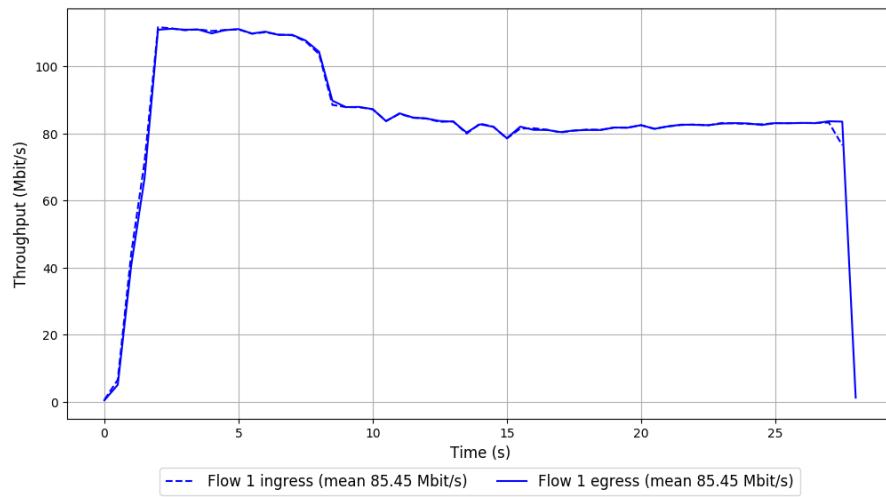
Run 6: Statistics of Copa

Start at: 2018-01-26 01:07:06

End at: 2018-01-26 01:07:36

```
# Below is generated by plot.py at 2018-01-26 03:16:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 51.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 51.991 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link



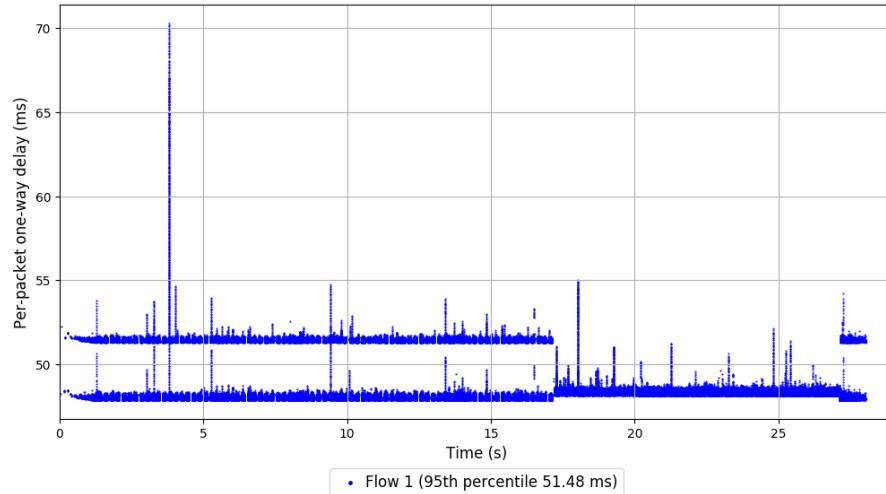
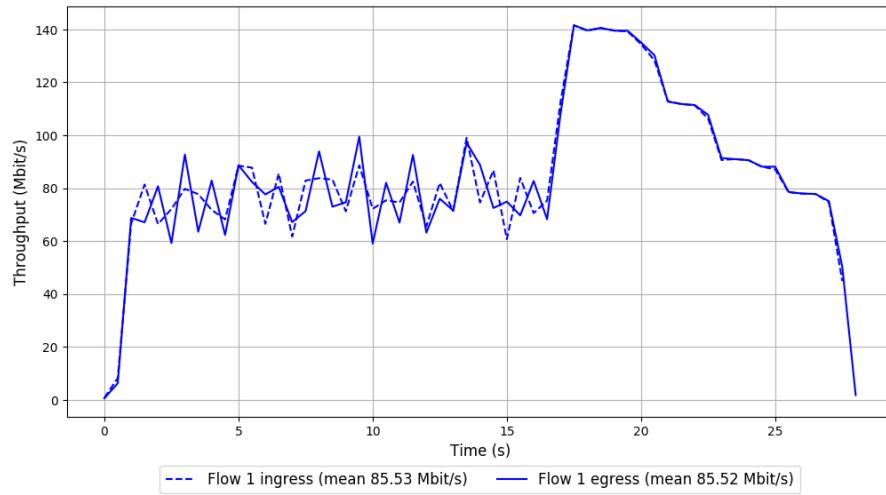
Run 7: Statistics of Copa

Start at: 2018-01-26 01:18:43

End at: 2018-01-26 01:19:13

```
# Below is generated by plot.py at 2018-01-26 03:16:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.52 Mbit/s
95th percentile per-packet one-way delay: 51.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.52 Mbit/s
95th percentile per-packet one-way delay: 51.476 ms
Loss rate: 0.00%
```

### Run 7: Report of Copa — Data Link



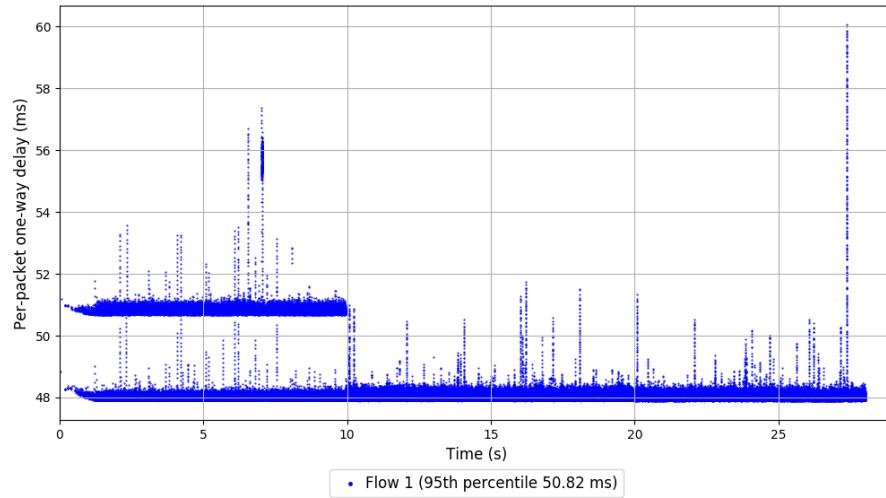
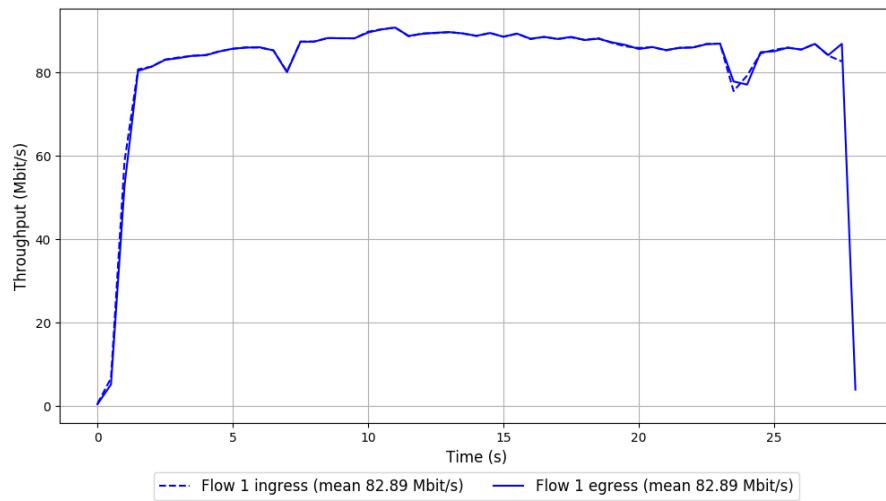
Run 8: Statistics of Copa

Start at: 2018-01-26 01:30:40

End at: 2018-01-26 01:31:10

```
# Below is generated by plot.py at 2018-01-26 03:16:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.89 Mbit/s
95th percentile per-packet one-way delay: 50.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.89 Mbit/s
95th percentile per-packet one-way delay: 50.818 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link



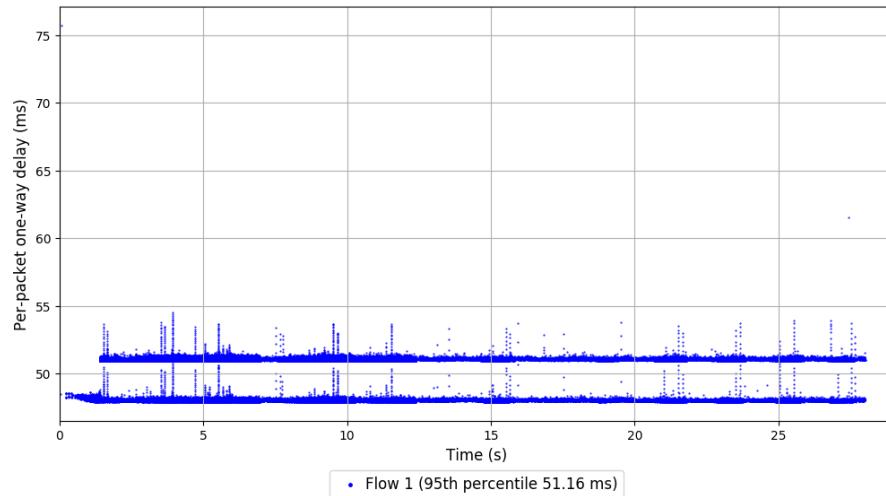
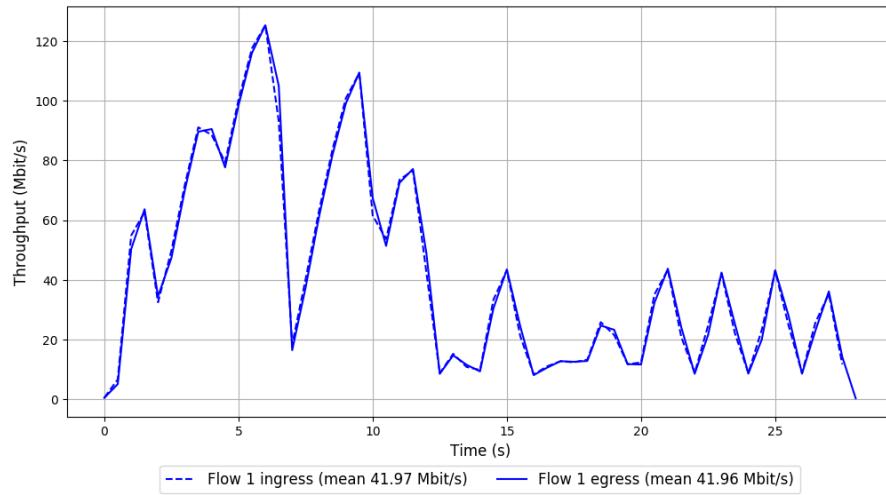
Run 9: Statistics of Copa

Start at: 2018-01-26 01:42:38

End at: 2018-01-26 01:43:09

```
# Below is generated by plot.py at 2018-01-26 03:16:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.96 Mbit/s
95th percentile per-packet one-way delay: 51.159 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.96 Mbit/s
95th percentile per-packet one-way delay: 51.159 ms
Loss rate: 0.00%
```

### Run 9: Report of Copa — Data Link



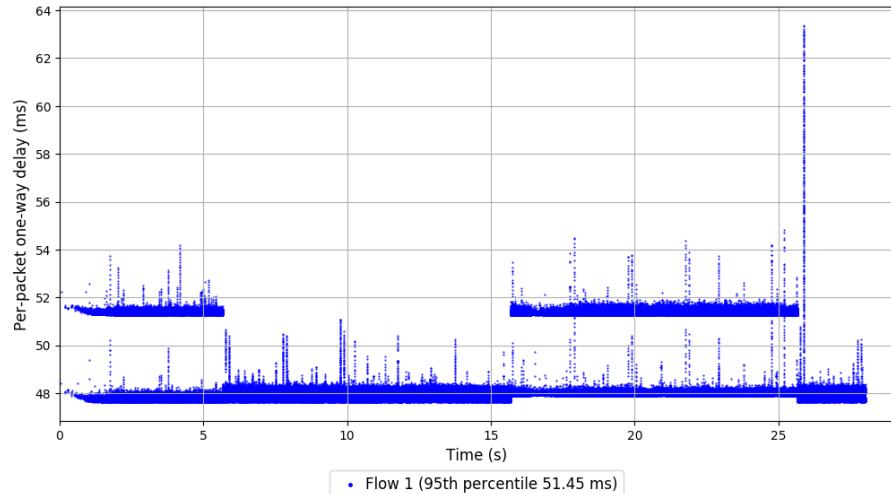
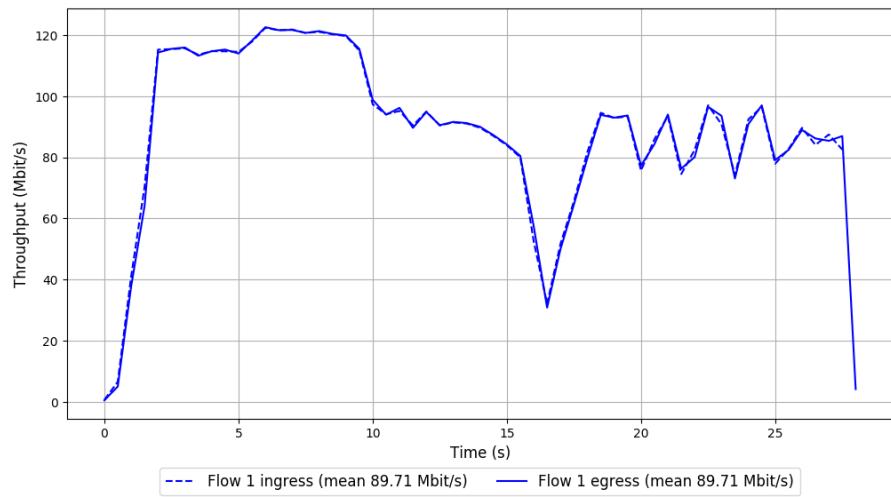
Run 10: Statistics of Copa

Start at: 2018-01-26 01:54:34

End at: 2018-01-26 01:55:04

```
# Below is generated by plot.py at 2018-01-26 03:17:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 51.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 51.445 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

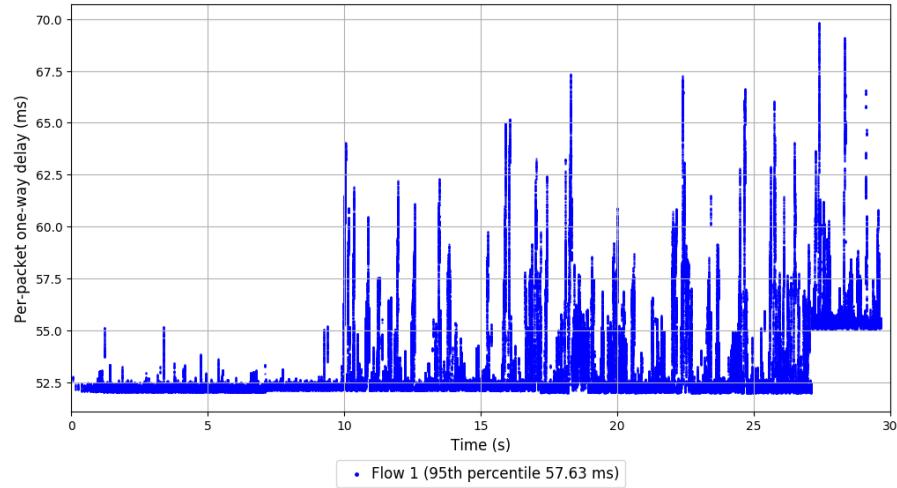
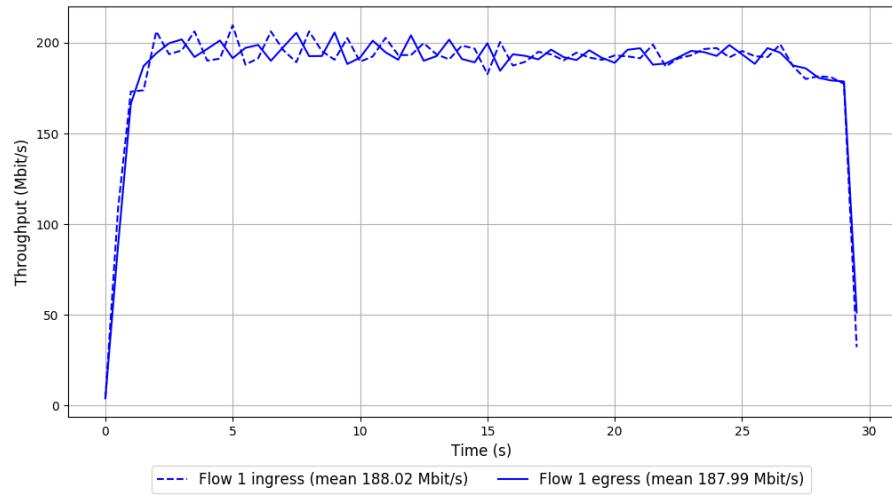


```
Run 1: Statistics of Indigo-2-256

Start at: 2018-01-26 00:03:24
End at: 2018-01-26 00:03:54

# Below is generated by plot.py at 2018-01-26 03:18:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.99 Mbit/s
95th percentile per-packet one-way delay: 57.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.99 Mbit/s
95th percentile per-packet one-way delay: 57.634 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-2-256 — Data Link



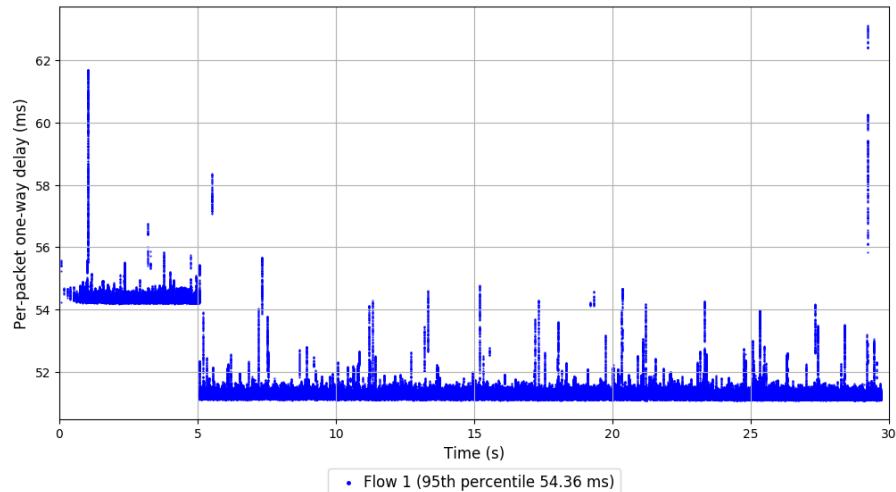
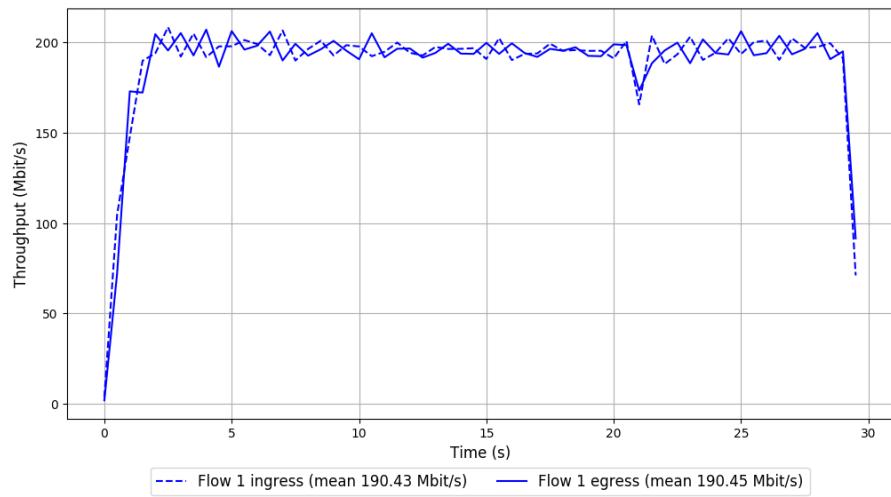
Run 2: Statistics of Indigo-2-256

Start at: 2018-01-26 00:15:17

End at: 2018-01-26 00:15:47

```
# Below is generated by plot.py at 2018-01-26 03:18:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.45 Mbit/s
95th percentile per-packet one-way delay: 54.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.45 Mbit/s
95th percentile per-packet one-way delay: 54.361 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-2-256 — Data Link



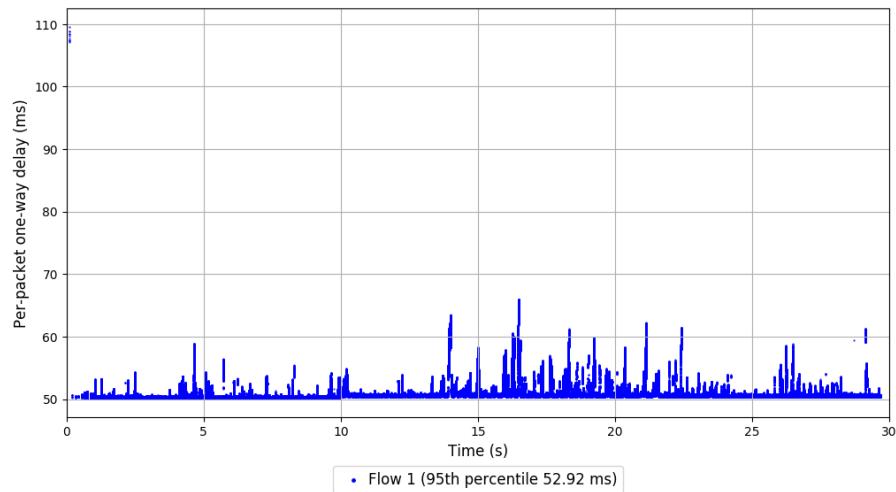
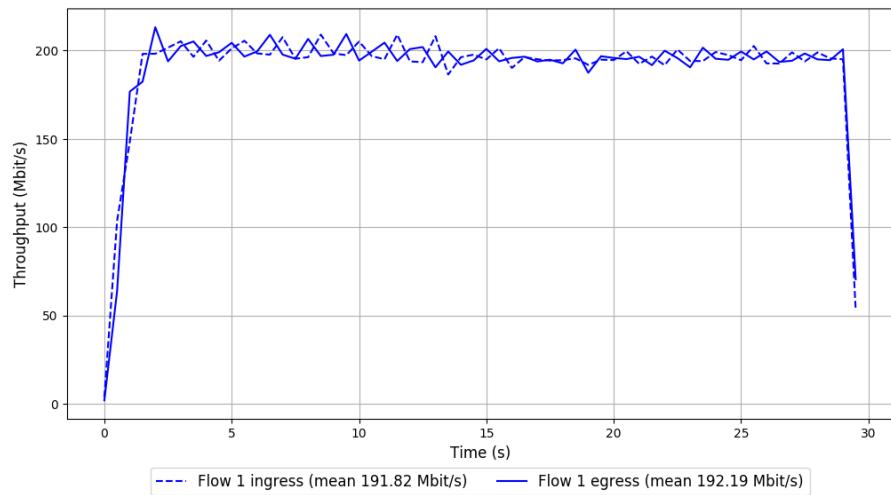
Run 3: Statistics of Indigo-2-256

Start at: 2018-01-26 00:27:02

End at: 2018-01-26 00:27:32

```
# Below is generated by plot.py at 2018-01-26 03:18:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.19 Mbit/s
95th percentile per-packet one-way delay: 52.924 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 192.19 Mbit/s
95th percentile per-packet one-way delay: 52.924 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-2-256 — Data Link



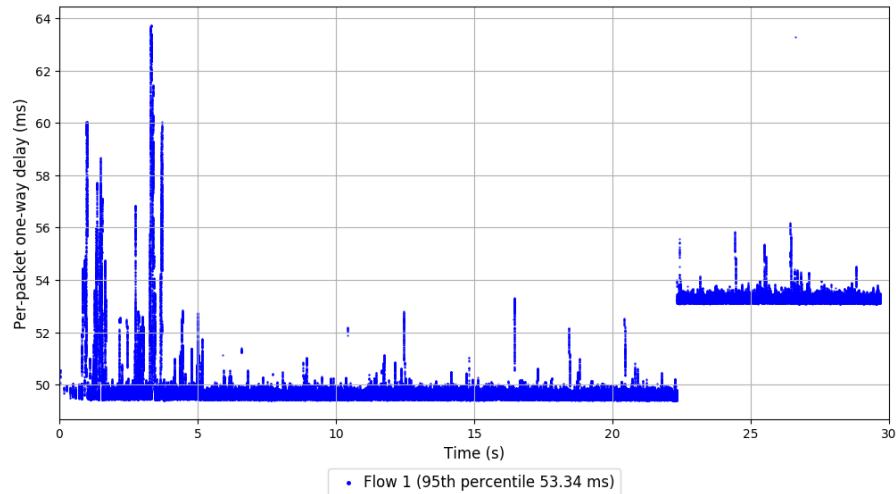
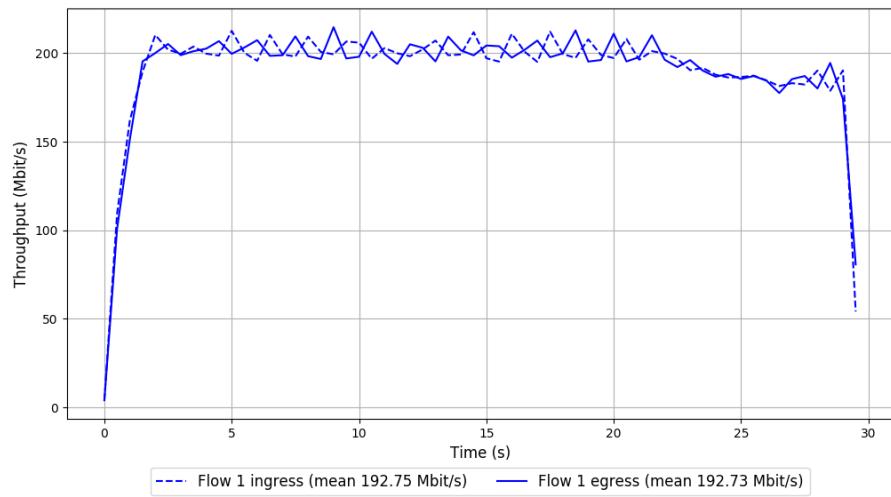
Run 4: Statistics of Indigo-2-256

Start at: 2018-01-26 00:38:49

End at: 2018-01-26 00:39:19

```
# Below is generated by plot.py at 2018-01-26 03:19:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.73 Mbit/s
95th percentile per-packet one-way delay: 53.344 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 192.73 Mbit/s
95th percentile per-packet one-way delay: 53.344 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-2-256 — Data Link



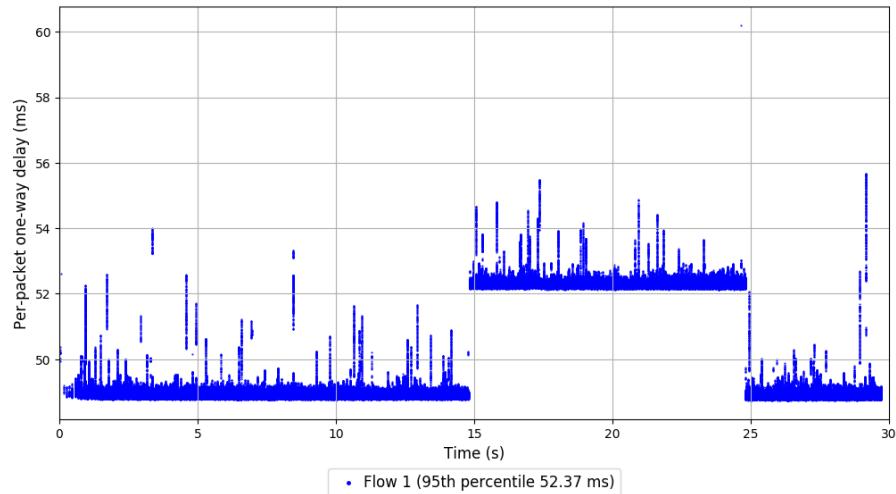
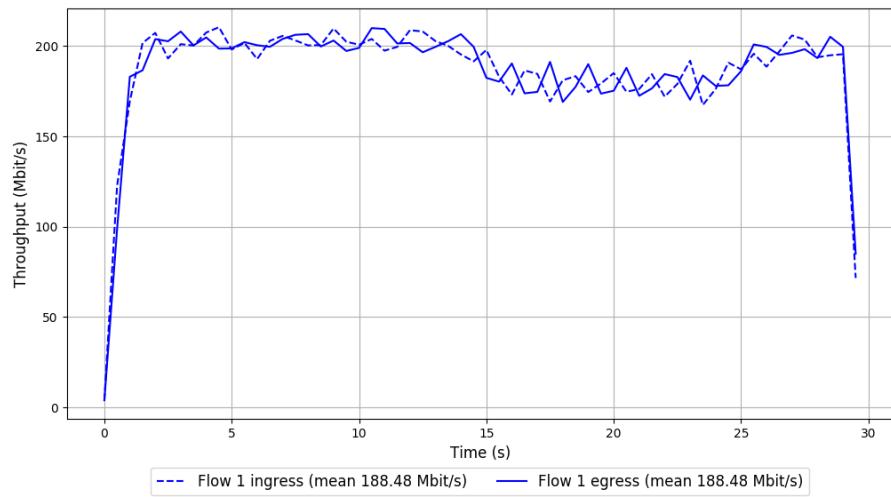
Run 5: Statistics of Indigo-2-256

Start at: 2018-01-26 00:50:37

End at: 2018-01-26 00:51:07

```
# Below is generated by plot.py at 2018-01-26 03:19:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 188.48 Mbit/s
95th percentile per-packet one-way delay: 52.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.48 Mbit/s
95th percentile per-packet one-way delay: 52.368 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-2-256 — Data Link



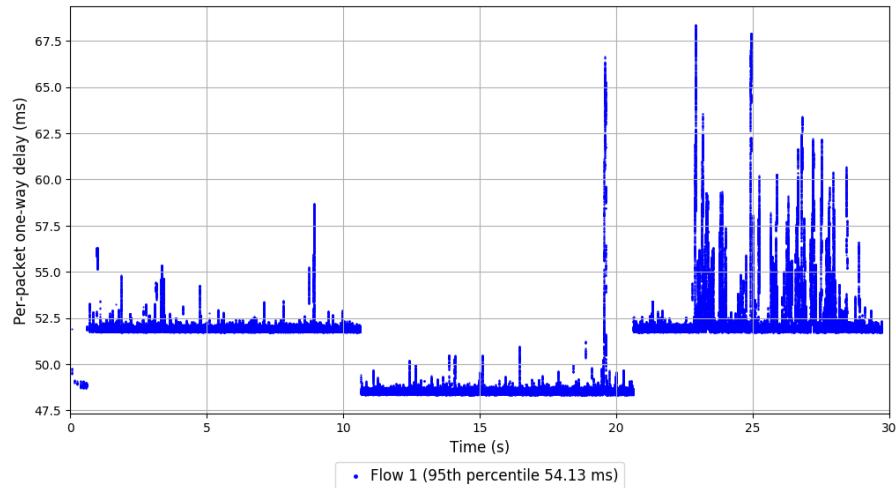
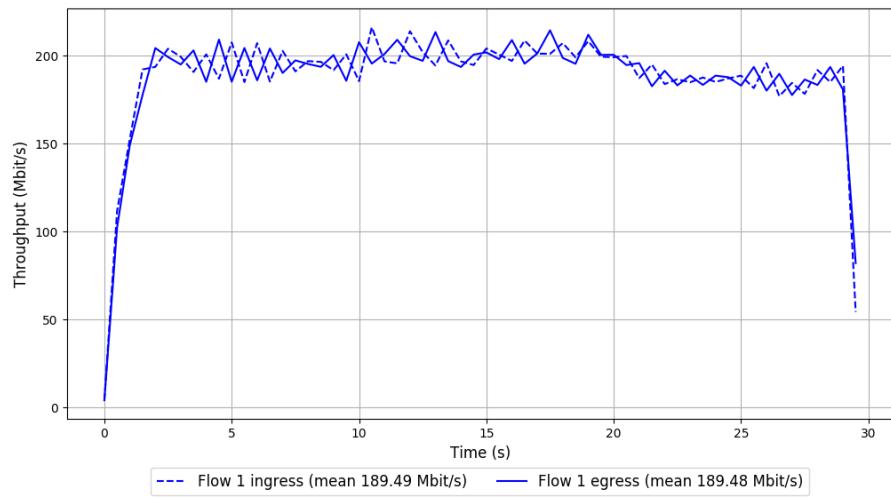
Run 6: Statistics of Indigo-2-256

Start at: 2018-01-26 01:02:41

End at: 2018-01-26 01:03:11

```
# Below is generated by plot.py at 2018-01-26 03:19:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 189.48 Mbit/s
95th percentile per-packet one-way delay: 54.133 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.48 Mbit/s
95th percentile per-packet one-way delay: 54.133 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo-2-256 — Data Link



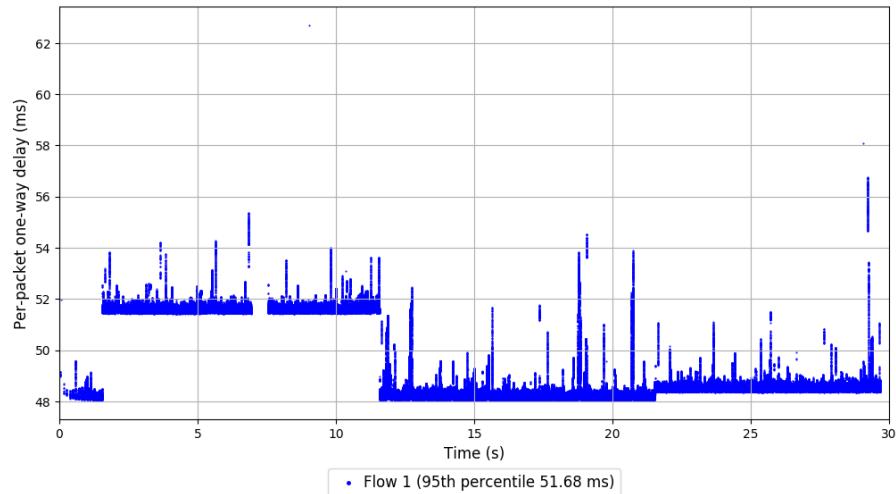
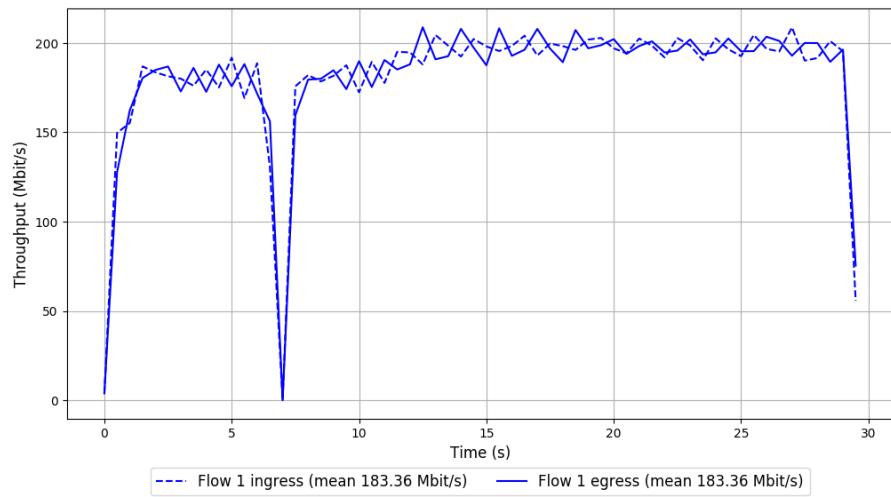
Run 7: Statistics of Indigo-2-256

Start at: 2018-01-26 01:14:30

End at: 2018-01-26 01:15:00

```
# Below is generated by plot.py at 2018-01-26 03:19:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 183.36 Mbit/s
95th percentile per-packet one-way delay: 51.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 183.36 Mbit/s
95th percentile per-packet one-way delay: 51.679 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo-2-256 — Data Link



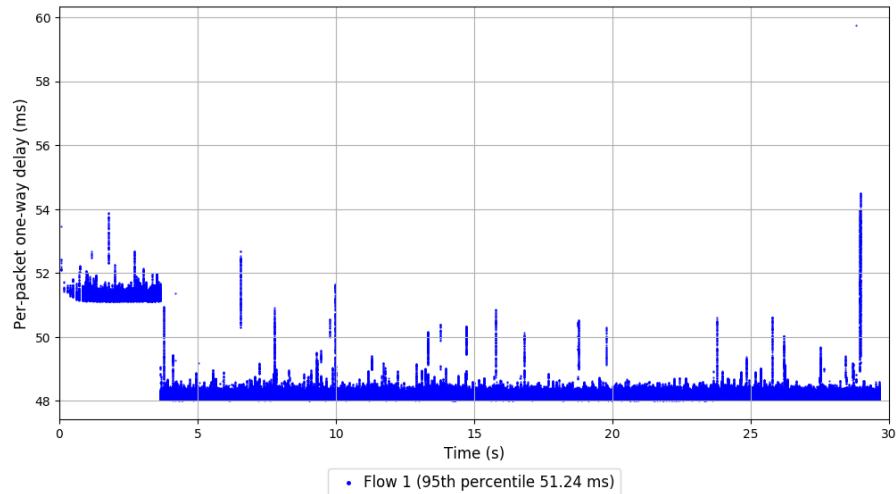
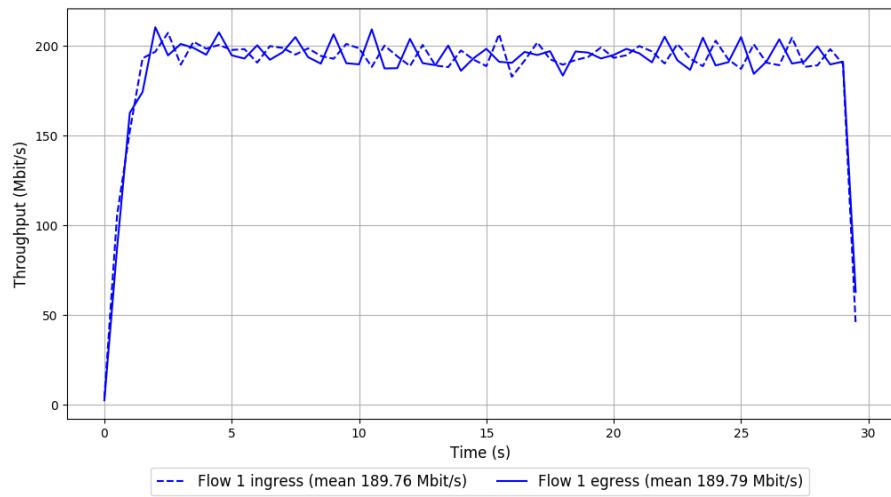
Run 8: Statistics of Indigo-2-256

Start at: 2018-01-26 01:25:58

End at: 2018-01-26 01:26:28

```
# Below is generated by plot.py at 2018-01-26 03:20:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 189.79 Mbit/s
95th percentile per-packet one-way delay: 51.240 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 189.79 Mbit/s
95th percentile per-packet one-way delay: 51.240 ms
Loss rate: 0.01%
```

Run 8: Report of Indigo-2-256 — Data Link



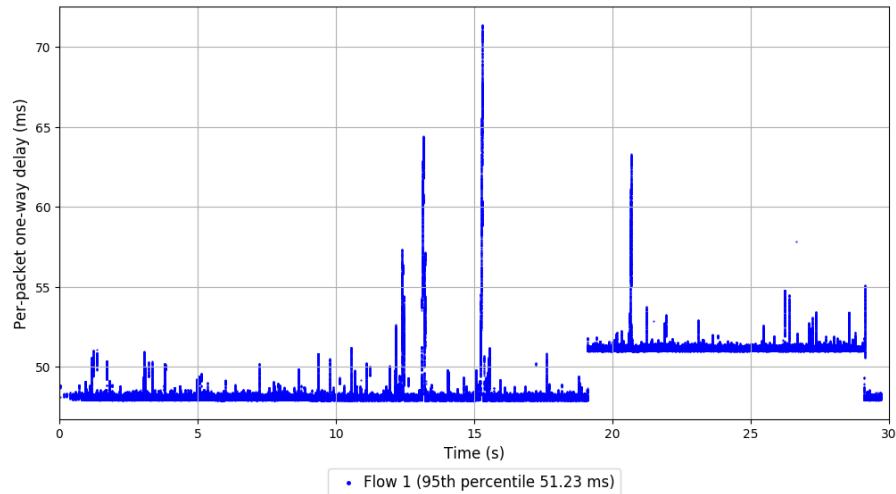
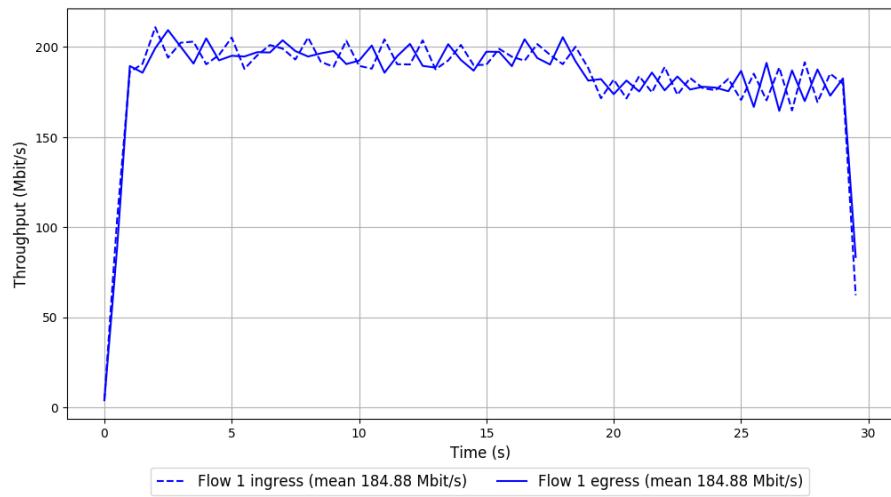
Run 9: Statistics of Indigo-2-256

Start at: 2018-01-26 01:38:03

End at: 2018-01-26 01:38:33

```
# Below is generated by plot.py at 2018-01-26 03:21:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 184.88 Mbit/s
95th percentile per-packet one-way delay: 51.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.88 Mbit/s
95th percentile per-packet one-way delay: 51.230 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo-2-256 — Data Link



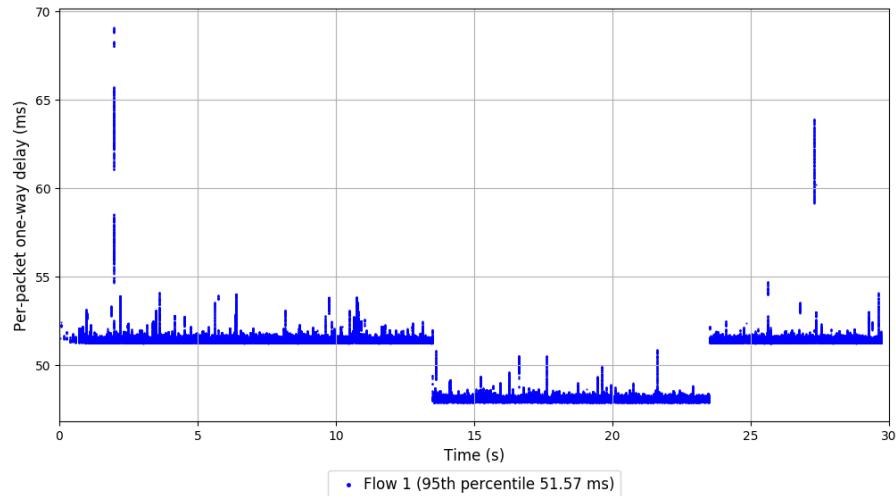
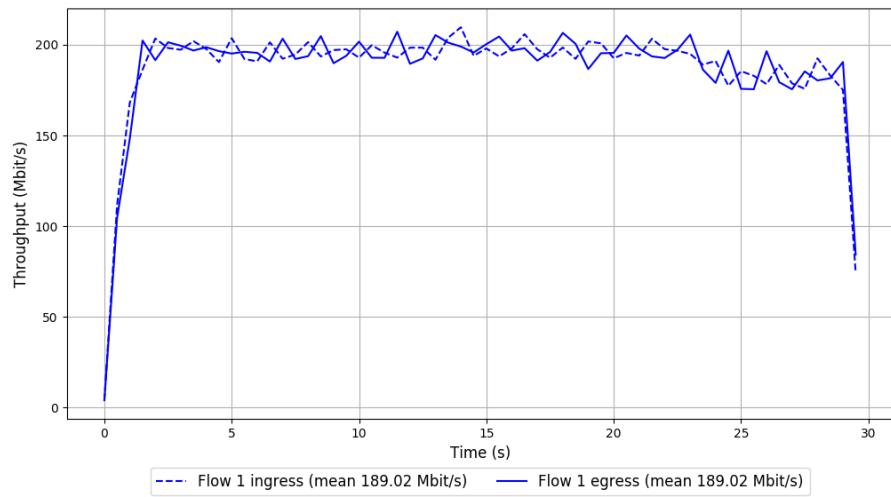
Run 10: Statistics of Indigo-2-256

Start at: 2018-01-26 01:49:58

End at: 2018-01-26 01:50:28

```
# Below is generated by plot.py at 2018-01-26 03:21:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 189.02 Mbit/s
95th percentile per-packet one-way delay: 51.570 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.02 Mbit/s
95th percentile per-packet one-way delay: 51.570 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo-2-256 — Data Link



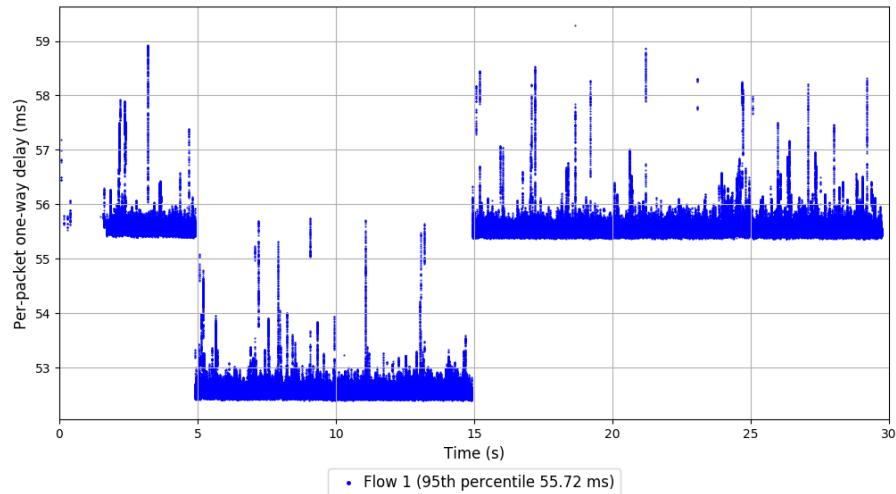
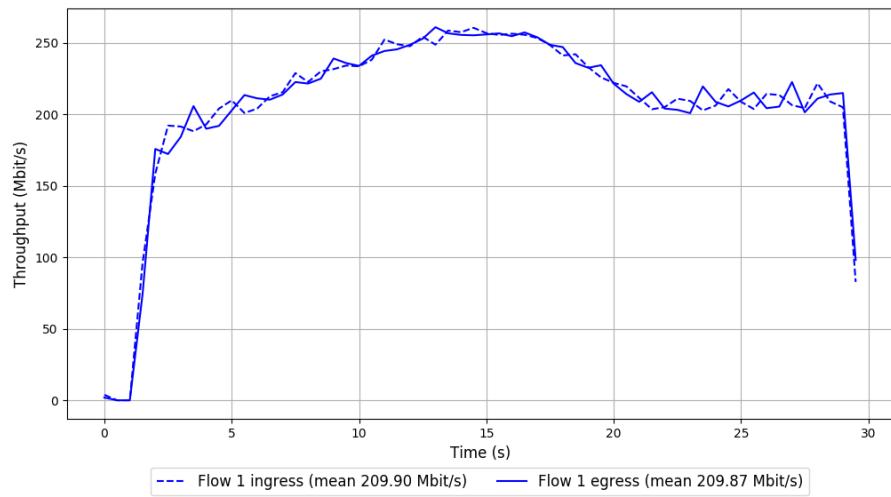
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-25 23:59:37

End at: 2018-01-26 00:00:07

```
# Below is generated by plot.py at 2018-01-26 03:22:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.87 Mbit/s
95th percentile per-packet one-way delay: 55.722 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 209.87 Mbit/s
95th percentile per-packet one-way delay: 55.722 ms
Loss rate: 0.02%
```

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



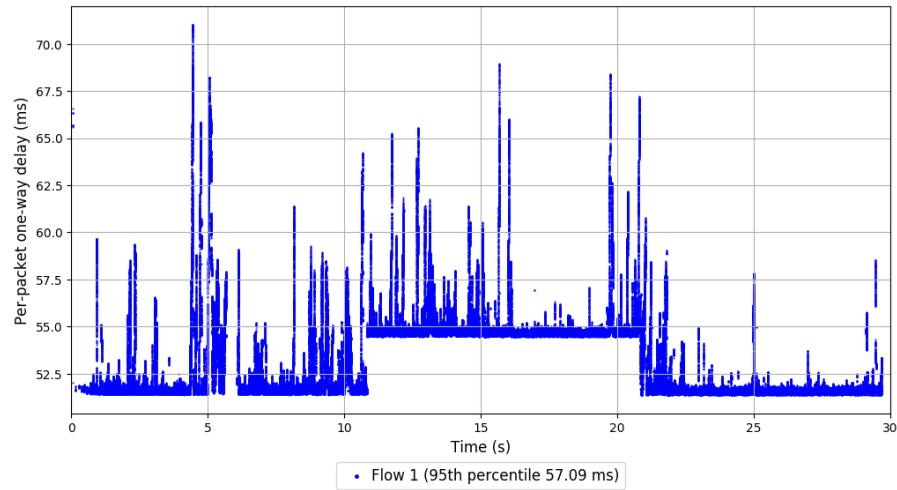
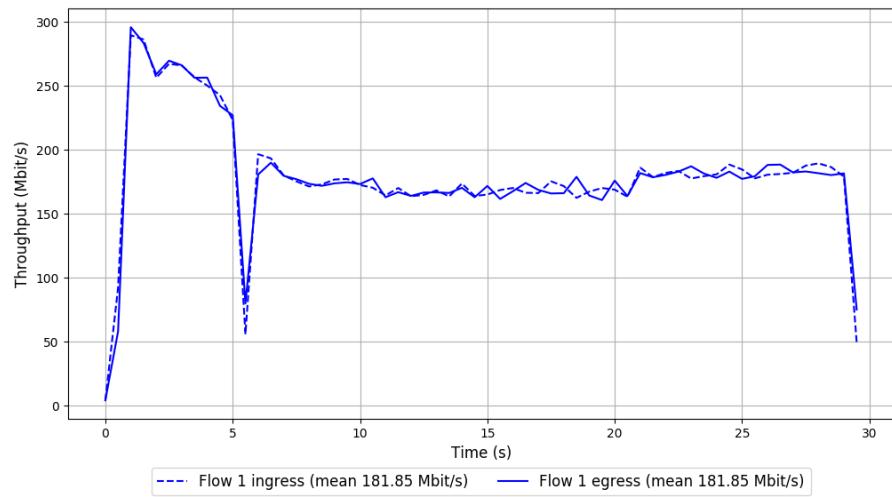
Run 2: Statistics of Indigo-1-32

Start at: 2018-01-26 00:11:31

End at: 2018-01-26 00:12:01

```
# Below is generated by plot.py at 2018-01-26 03:22:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 181.85 Mbit/s
95th percentile per-packet one-way delay: 57.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.85 Mbit/s
95th percentile per-packet one-way delay: 57.088 ms
Loss rate: 0.00%
```

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



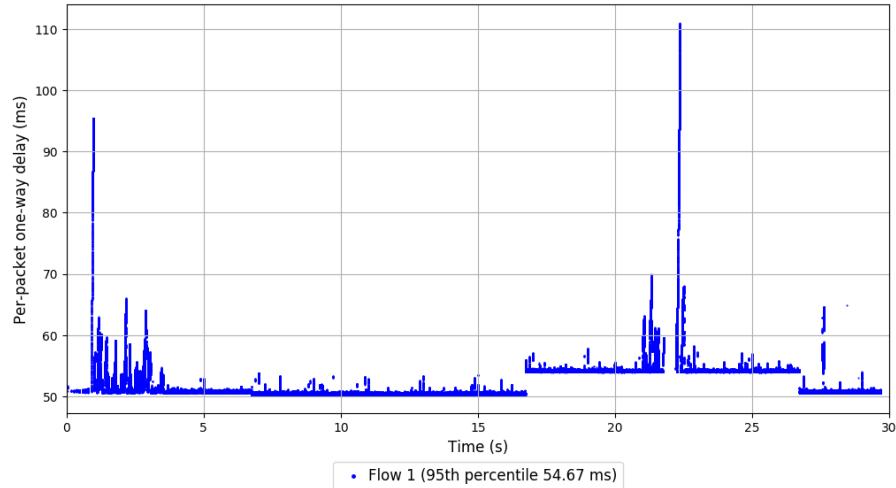
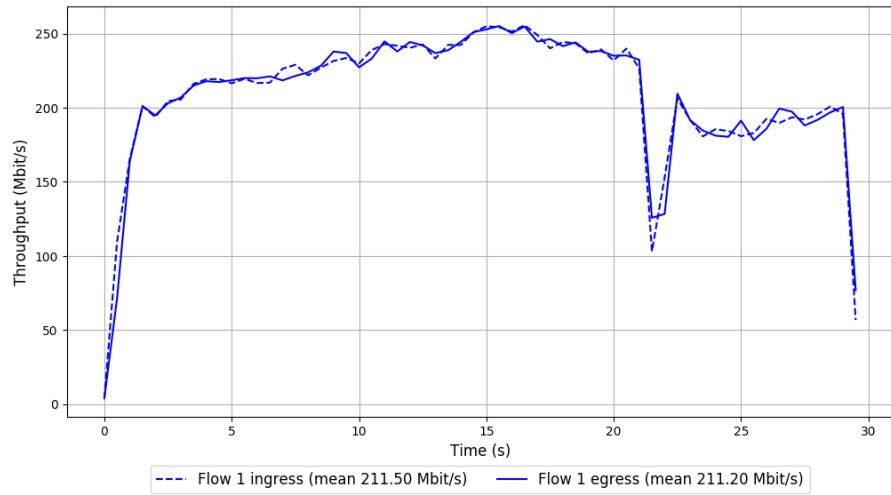
Run 3: Statistics of Indigo-1-32

Start at: 2018-01-26 00:23:15

End at: 2018-01-26 00:23:45

```
# Below is generated by plot.py at 2018-01-26 03:22:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.20 Mbit/s
95th percentile per-packet one-way delay: 54.675 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 211.20 Mbit/s
95th percentile per-packet one-way delay: 54.675 ms
Loss rate: 0.14%
```

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



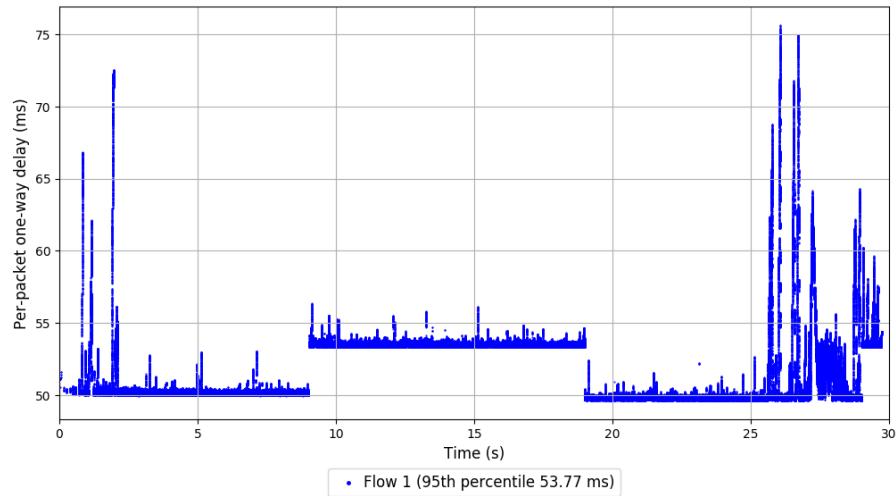
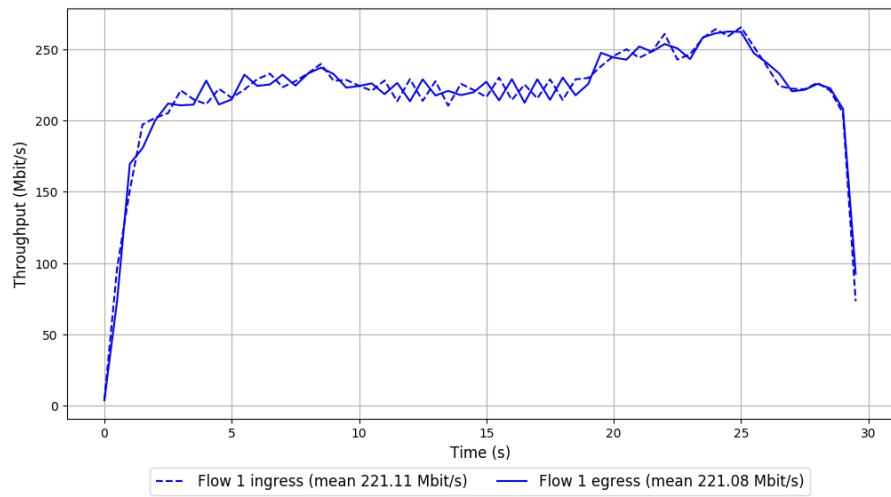
Run 4: Statistics of Indigo-1-32

Start at: 2018-01-26 00:35:03

End at: 2018-01-26 00:35:33

```
# Below is generated by plot.py at 2018-01-26 03:22:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.08 Mbit/s
95th percentile per-packet one-way delay: 53.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.08 Mbit/s
95th percentile per-packet one-way delay: 53.772 ms
Loss rate: 0.00%
```

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



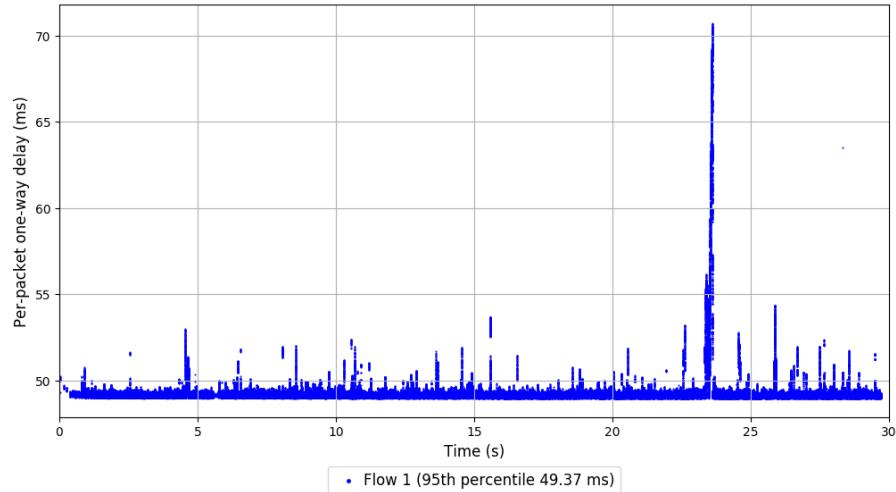
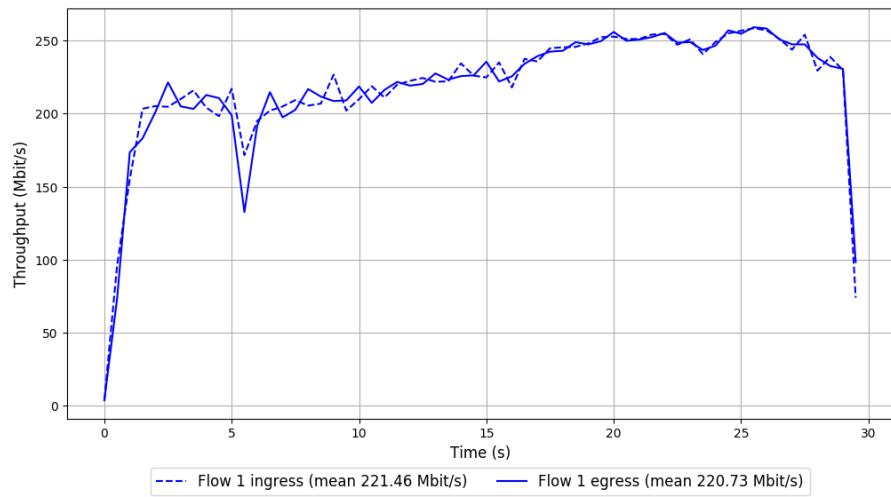
Run 5: Statistics of Indigo-1-32

Start at: 2018-01-26 00:46:51

End at: 2018-01-26 00:47:21

```
# Below is generated by plot.py at 2018-01-26 03:23:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.73 Mbit/s
95th percentile per-packet one-way delay: 49.368 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 220.73 Mbit/s
95th percentile per-packet one-way delay: 49.368 ms
Loss rate: 0.33%
```

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



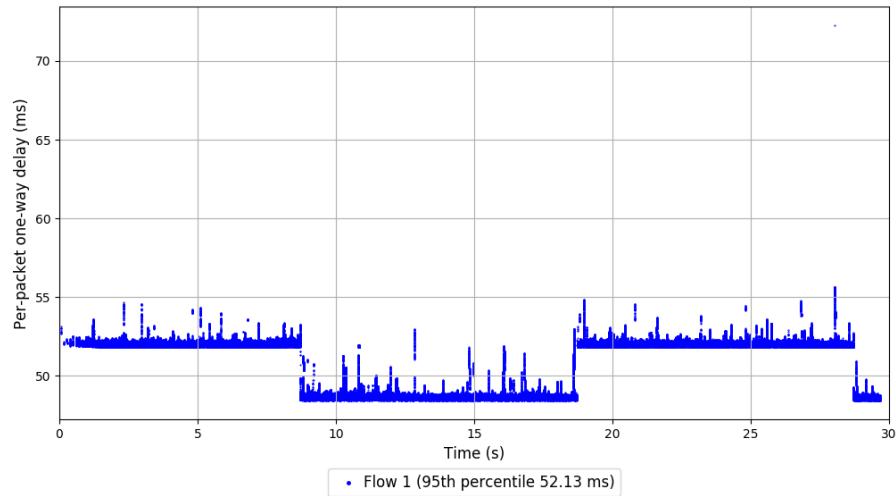
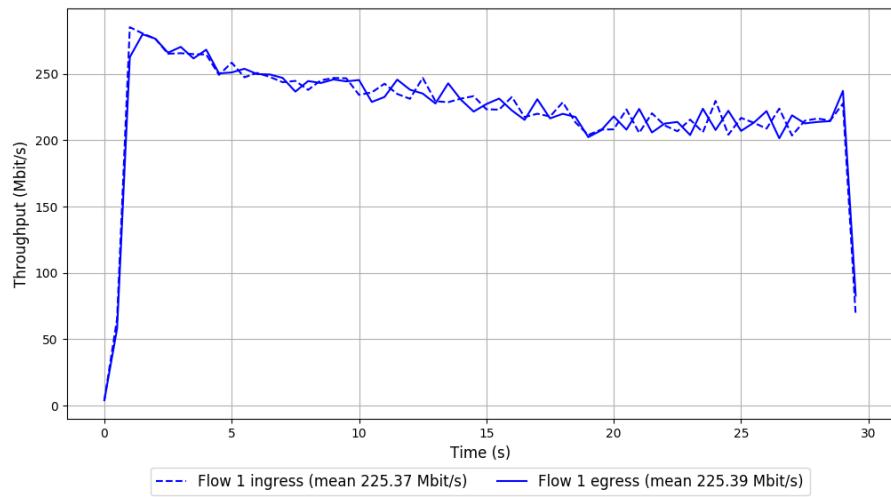
Run 6: Statistics of Indigo-1-32

Start at: 2018-01-26 00:58:53

End at: 2018-01-26 00:59:23

```
# Below is generated by plot.py at 2018-01-26 03:24:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 225.39 Mbit/s
95th percentile per-packet one-way delay: 52.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 225.39 Mbit/s
95th percentile per-packet one-way delay: 52.128 ms
Loss rate: 0.00%
```

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



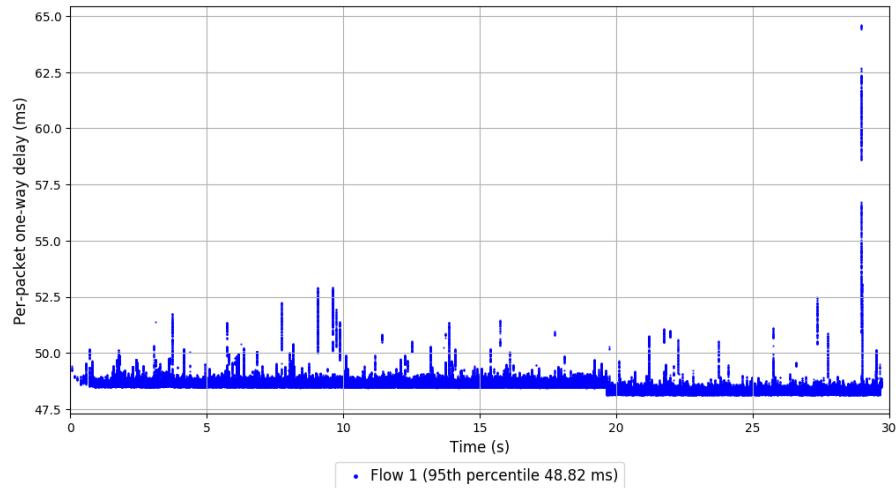
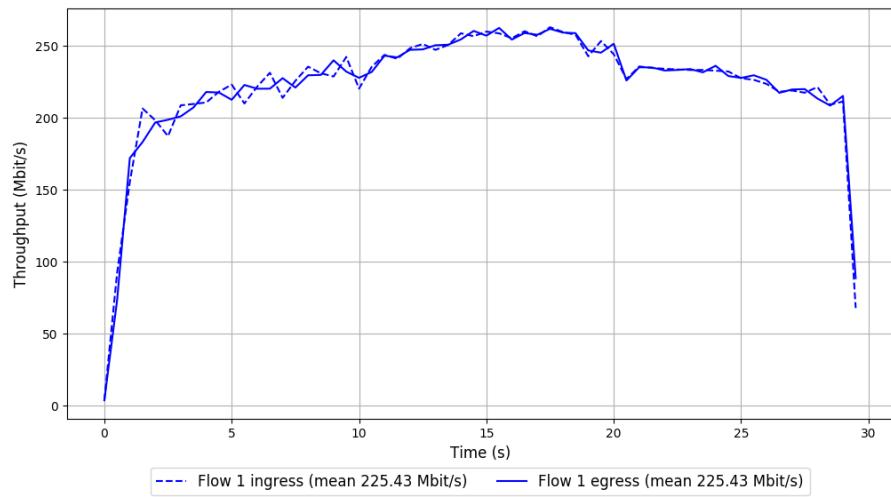
Run 7: Statistics of Indigo-1-32

Start at: 2018-01-26 01:10:42

End at: 2018-01-26 01:11:12

```
# Below is generated by plot.py at 2018-01-26 03:25:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 225.43 Mbit/s
95th percentile per-packet one-way delay: 48.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 225.43 Mbit/s
95th percentile per-packet one-way delay: 48.817 ms
Loss rate: 0.00%
```

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



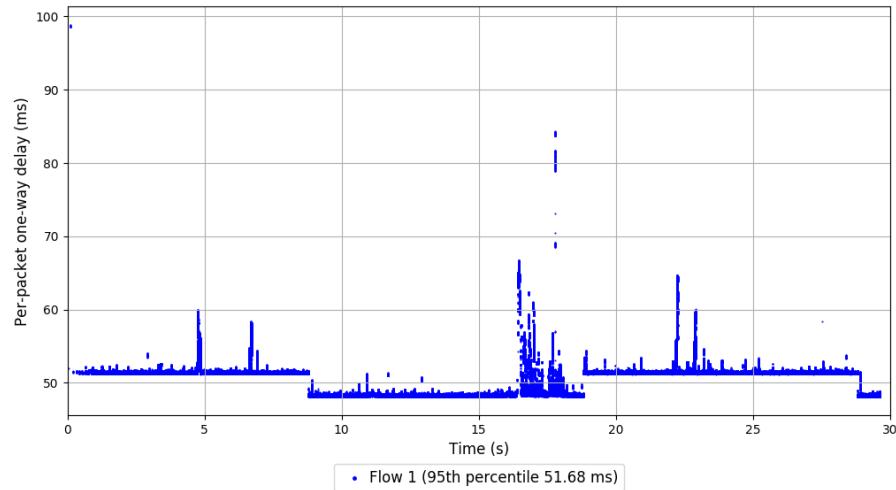
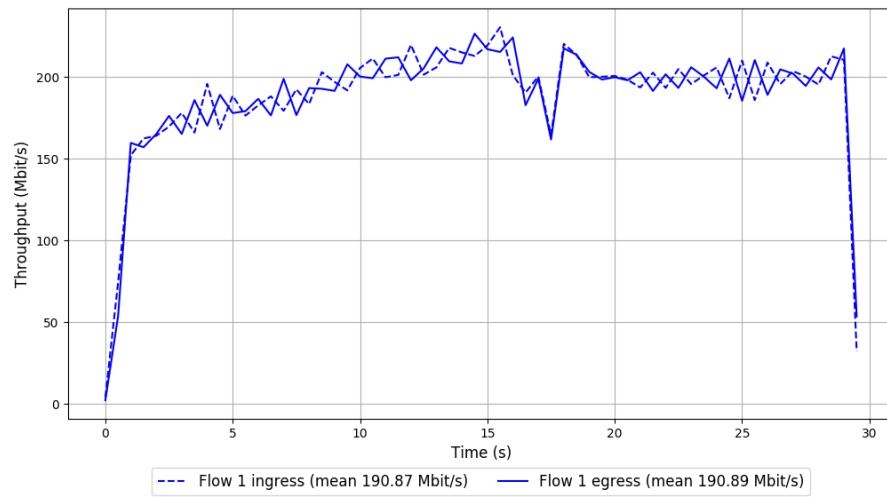
Run 8: Statistics of Indigo-1-32

Start at: 2018-01-26 01:22:13

End at: 2018-01-26 01:22:43

```
# Below is generated by plot.py at 2018-01-26 03:25:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.89 Mbit/s
95th percentile per-packet one-way delay: 51.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.89 Mbit/s
95th percentile per-packet one-way delay: 51.677 ms
Loss rate: 0.00%
```

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



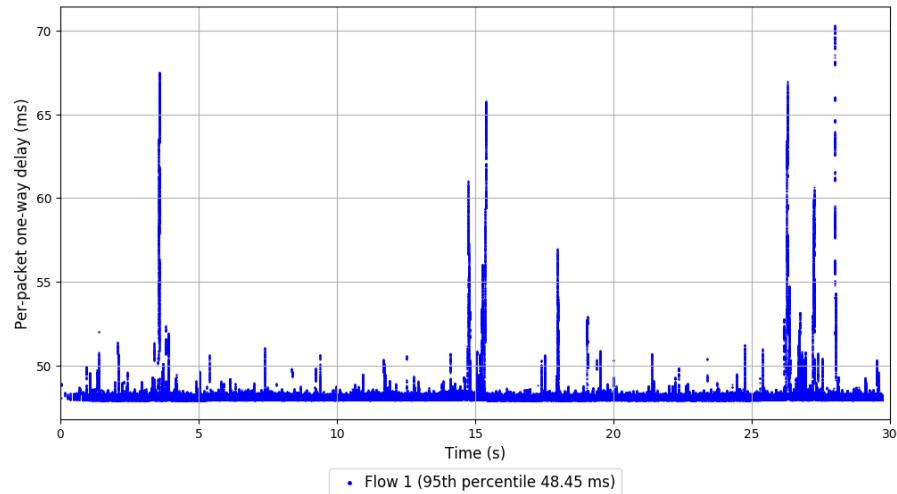
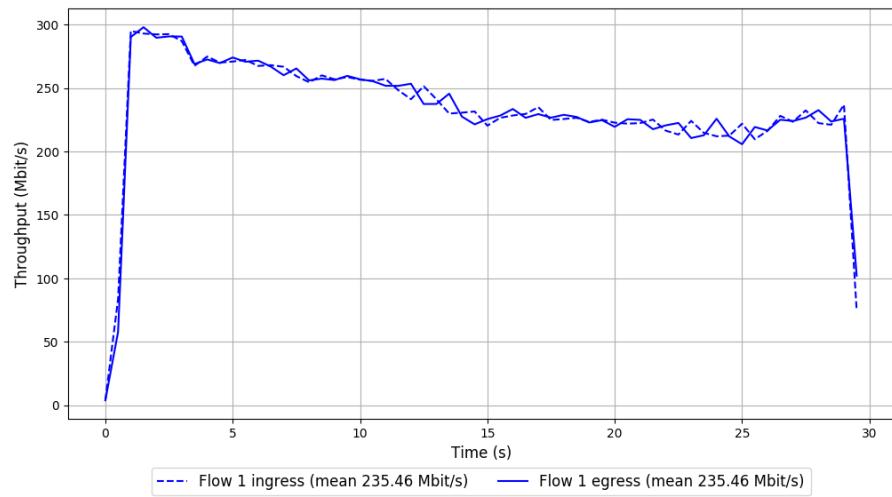
Run 9: Statistics of Indigo-1-32

Start at: 2018-01-26 01:34:16

End at: 2018-01-26 01:34:46

```
# Below is generated by plot.py at 2018-01-26 03:25:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.46 Mbit/s
95th percentile per-packet one-way delay: 48.452 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 235.46 Mbit/s
95th percentile per-packet one-way delay: 48.452 ms
Loss rate: 0.00%
```

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

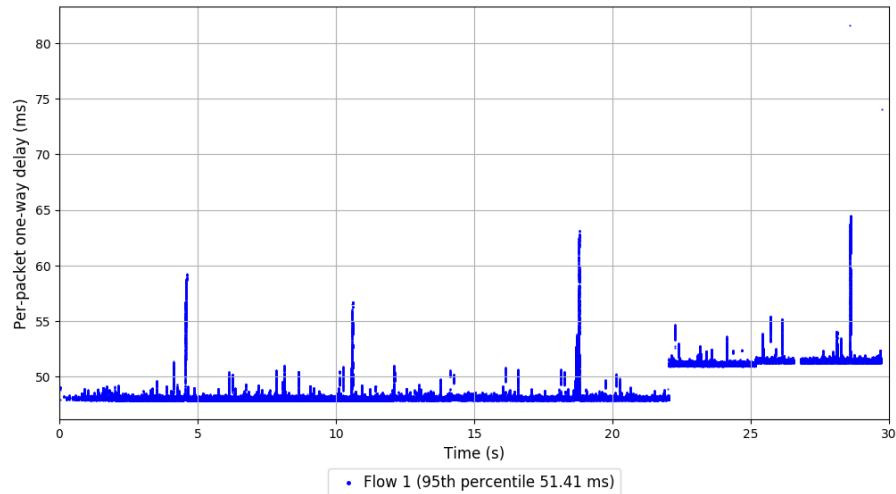
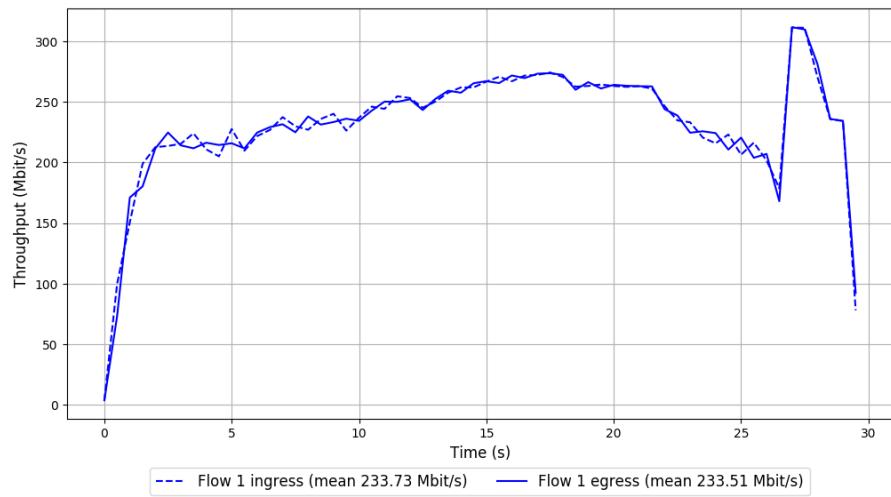


```
Run 10: Statistics of Indigo-1-32

Start at: 2018-01-26 01:46:10
End at: 2018-01-26 01:46:40

# Below is generated by plot.py at 2018-01-26 03:25:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.51 Mbit/s
95th percentile per-packet one-way delay: 51.412 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 233.51 Mbit/s
95th percentile per-packet one-way delay: 51.412 ms
Loss rate: 0.06%
```

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

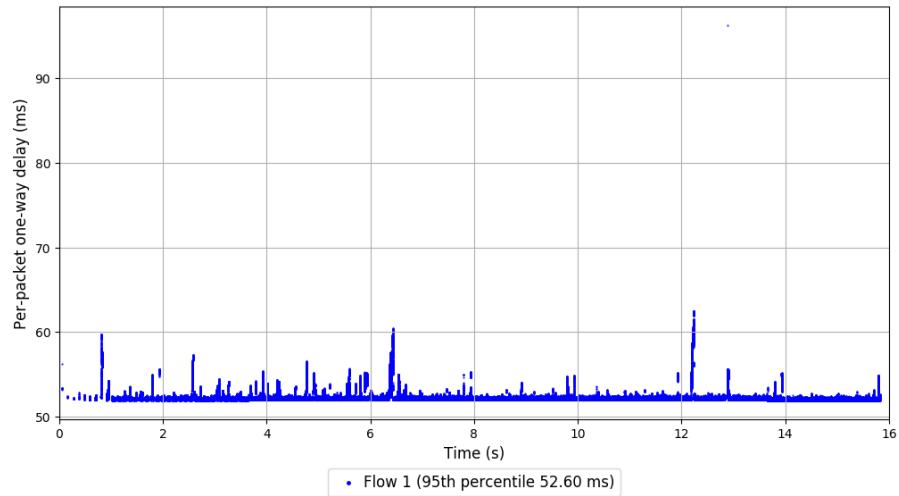
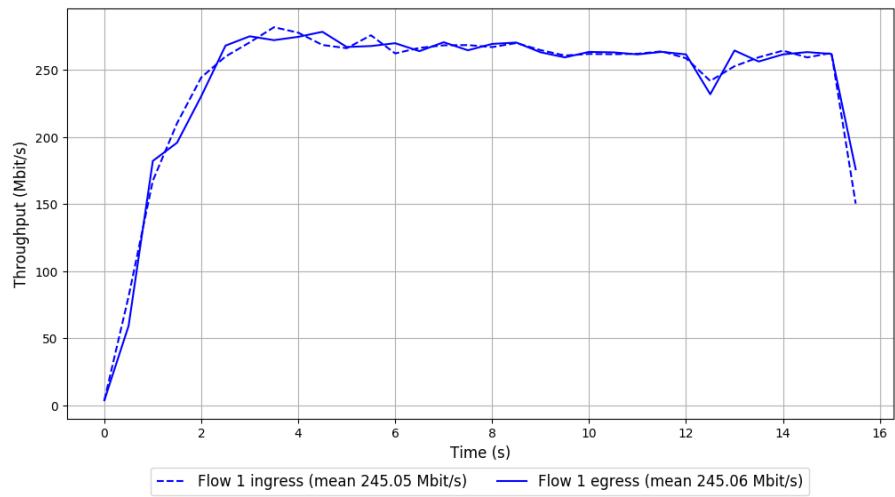


Run 1: Statistics of Indigo-1-128

Start at: 2018-01-26 00:04:14

End at: 2018-01-26 00:04:44

Run 1: Report of Indigo-1-128 — Data Link



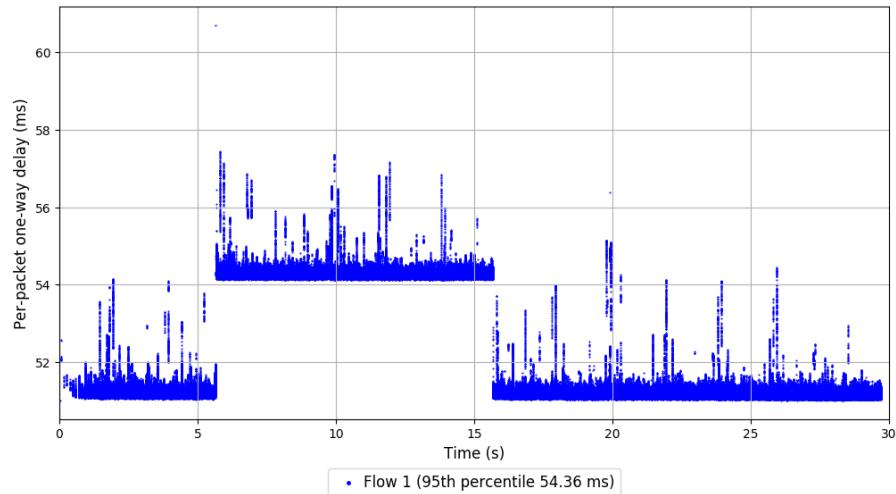
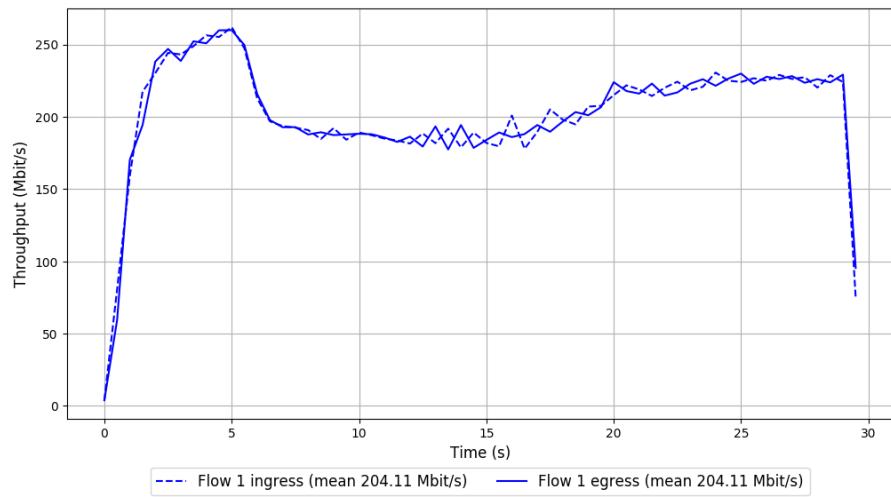
Run 2: Statistics of Indigo-1-128

Start at: 2018-01-26 00:16:06

End at: 2018-01-26 00:16:36

```
# Below is generated by plot.py at 2018-01-26 03:26:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.11 Mbit/s
95th percentile per-packet one-way delay: 54.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.11 Mbit/s
95th percentile per-packet one-way delay: 54.357 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-1-128 — Data Link



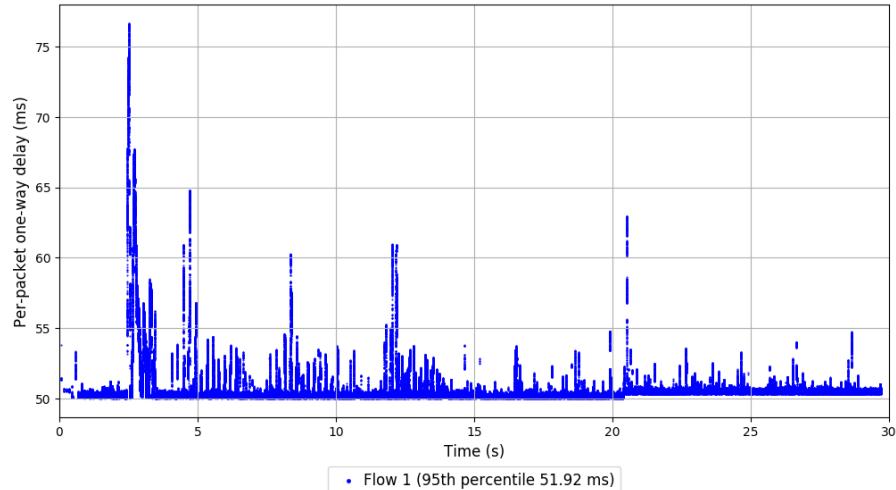
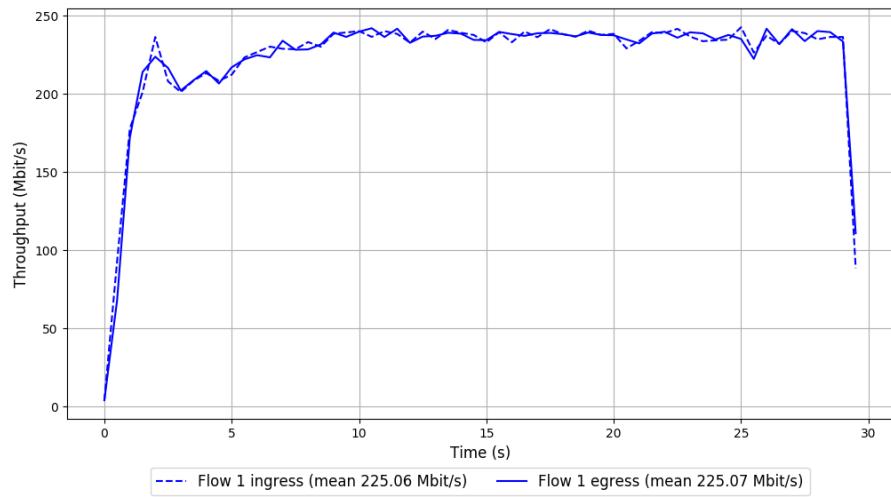
Run 3: Statistics of Indigo-1-128

Start at: 2018-01-26 00:27:51

End at: 2018-01-26 00:28:21

```
# Below is generated by plot.py at 2018-01-26 03:27:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 225.07 Mbit/s
95th percentile per-packet one-way delay: 51.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 225.07 Mbit/s
95th percentile per-packet one-way delay: 51.925 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-1-128 — Data Link



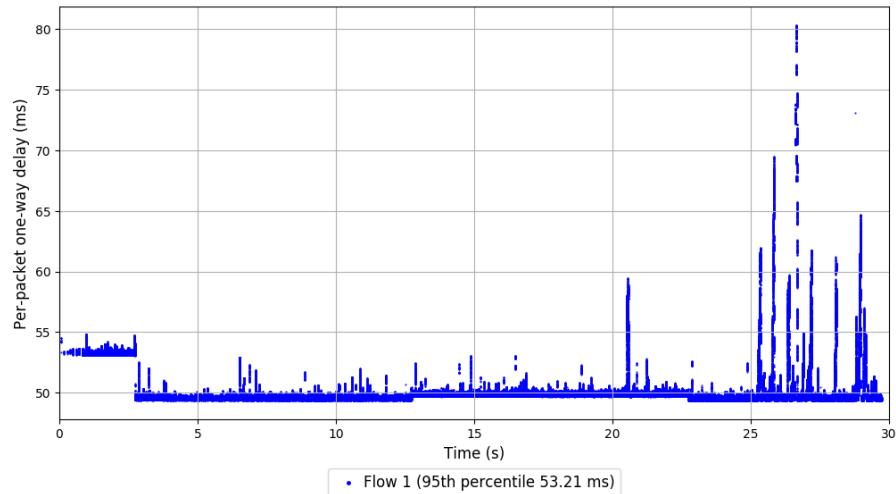
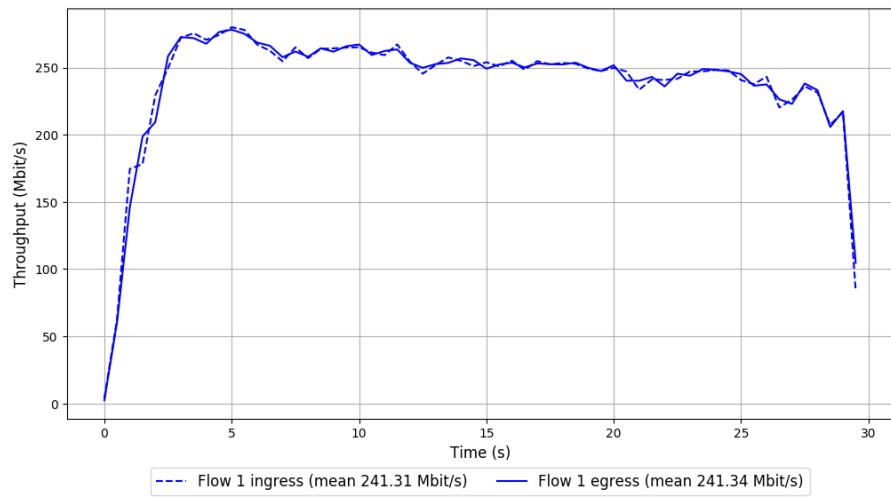
Run 4: Statistics of Indigo-1-128

Start at: 2018-01-26 00:39:39

End at: 2018-01-26 00:40:09

```
# Below is generated by plot.py at 2018-01-26 03:28:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 241.34 Mbit/s
95th percentile per-packet one-way delay: 53.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 241.34 Mbit/s
95th percentile per-packet one-way delay: 53.209 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-1-128 — Data Link



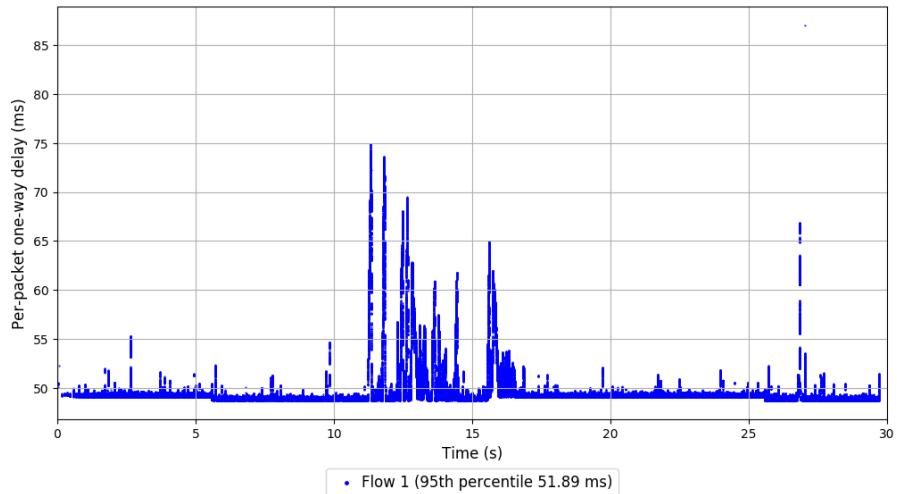
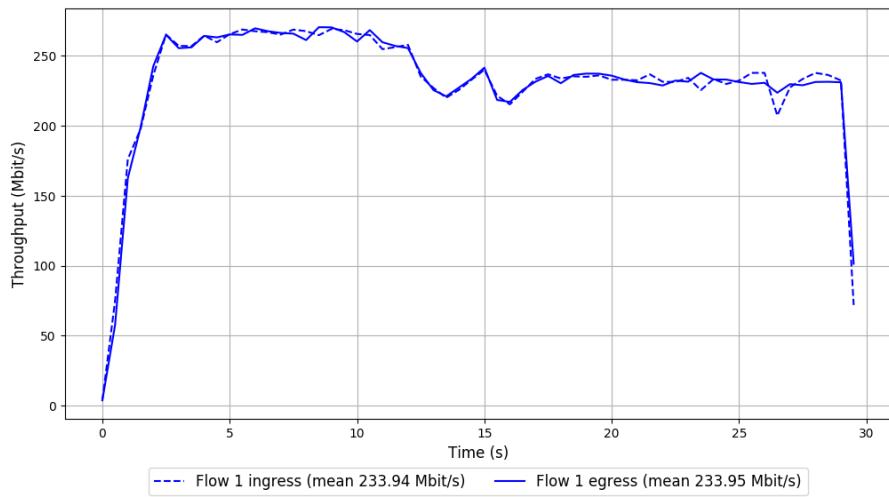
Run 5: Statistics of Indigo-1-128

Start at: 2018-01-26 00:51:26

End at: 2018-01-26 00:51:56

```
# Below is generated by plot.py at 2018-01-26 03:28:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.95 Mbit/s
95th percentile per-packet one-way delay: 51.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.95 Mbit/s
95th percentile per-packet one-way delay: 51.888 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-1-128 — Data Link



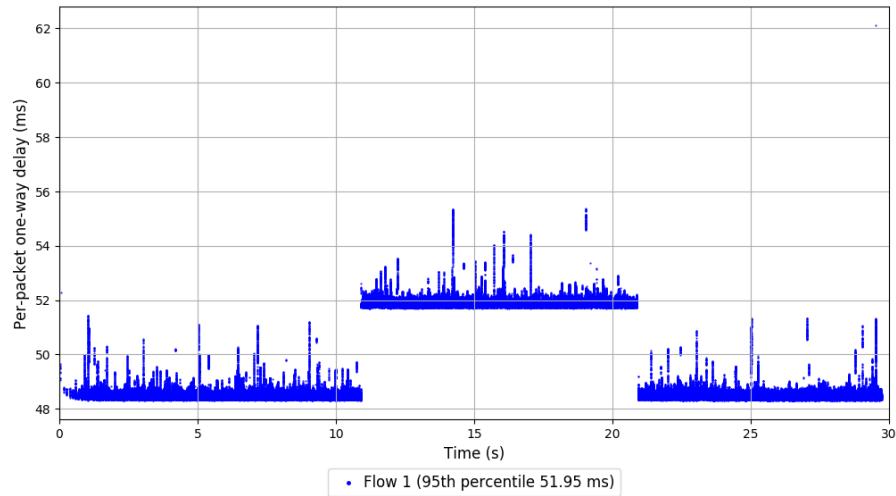
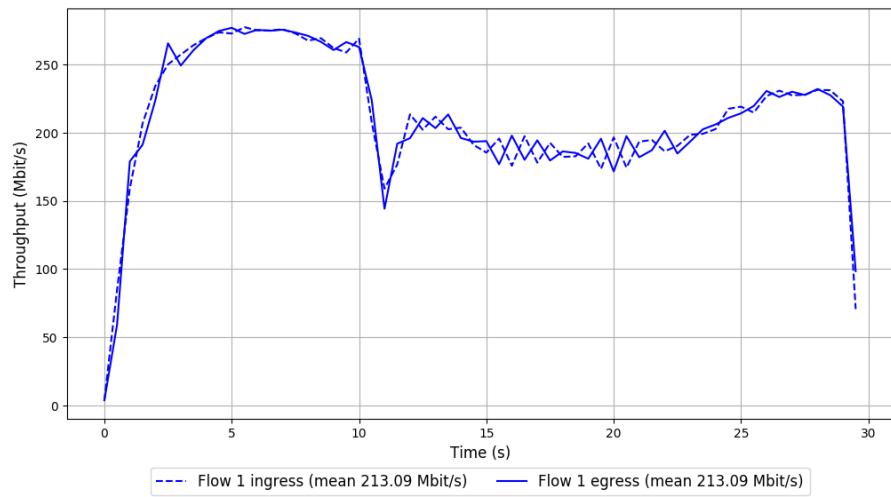
Run 6: Statistics of Indigo-1-128

Start at: 2018-01-26 01:03:31

End at: 2018-01-26 01:04:01

```
# Below is generated by plot.py at 2018-01-26 03:28:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.09 Mbit/s
95th percentile per-packet one-way delay: 51.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.09 Mbit/s
95th percentile per-packet one-way delay: 51.950 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo-1-128 — Data Link

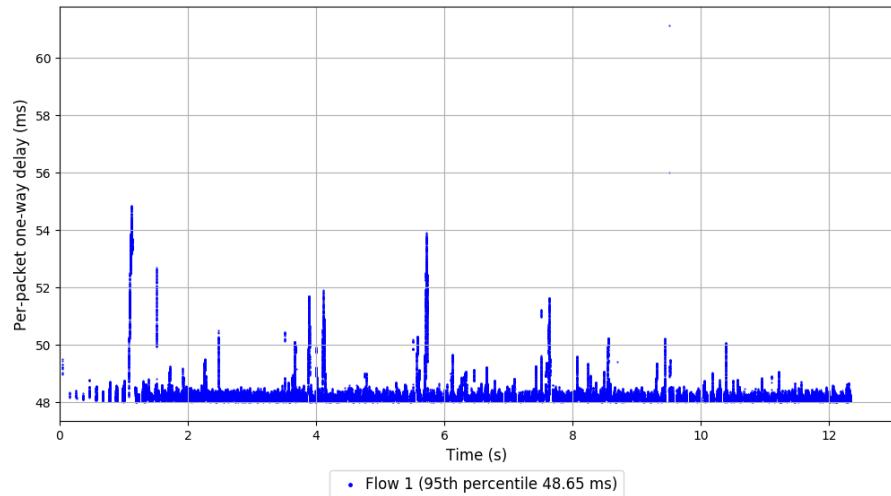
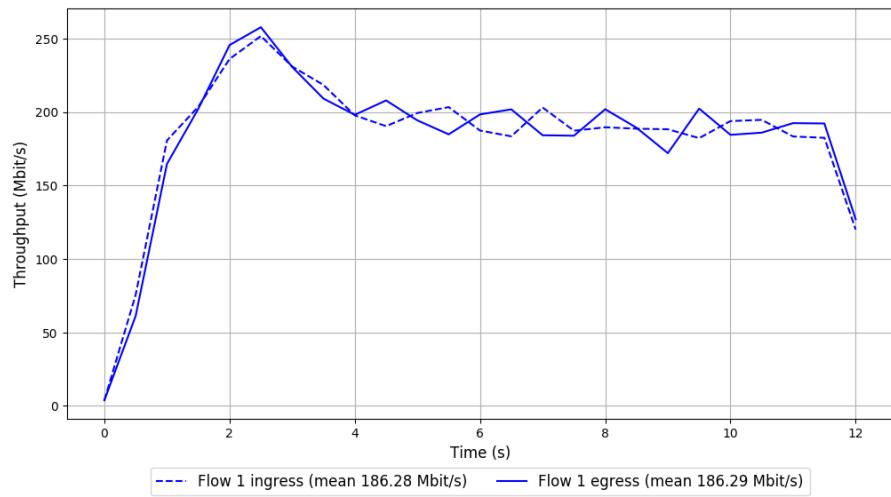


Run 7: Statistics of Indigo-1-128

Start at: 2018-01-26 01:15:19

End at: 2018-01-26 01:15:49

Run 7: Report of Indigo-1-128 — Data Link



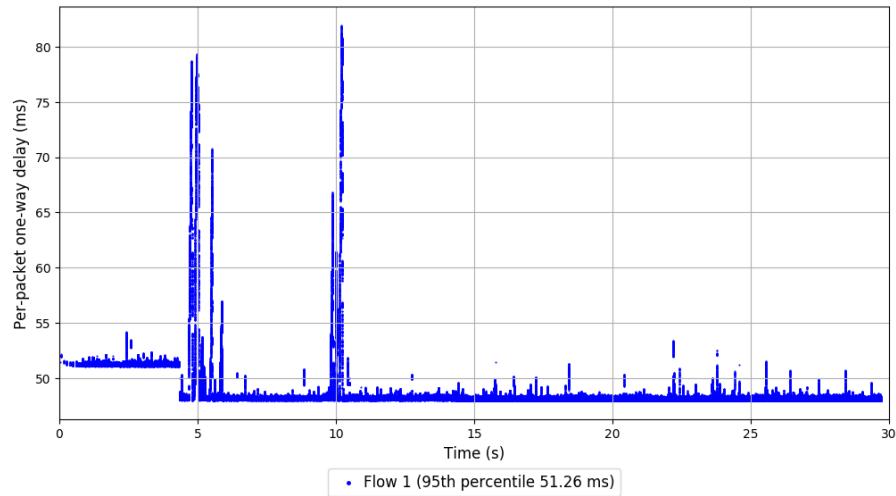
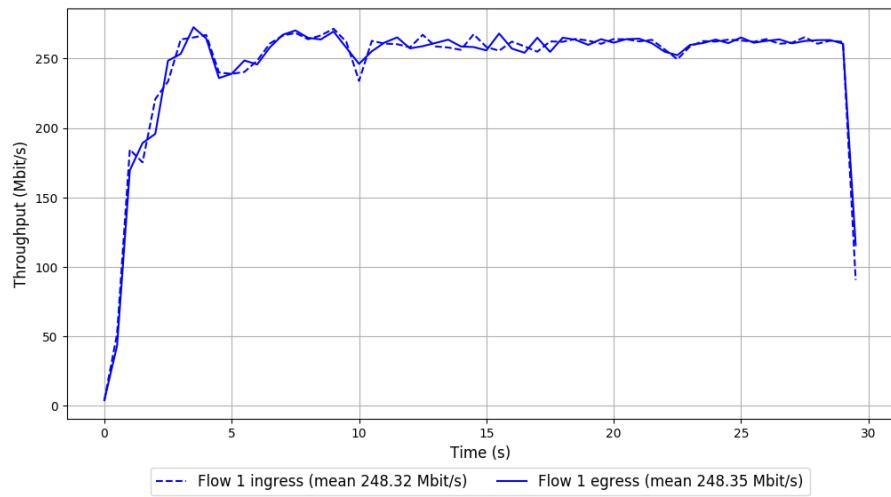
Run 8: Statistics of Indigo-1-128

Start at: 2018-01-26 01:26:47

End at: 2018-01-26 01:27:17

```
# Below is generated by plot.py at 2018-01-26 03:28:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.35 Mbit/s
95th percentile per-packet one-way delay: 51.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 248.35 Mbit/s
95th percentile per-packet one-way delay: 51.264 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo-1-128 — Data Link



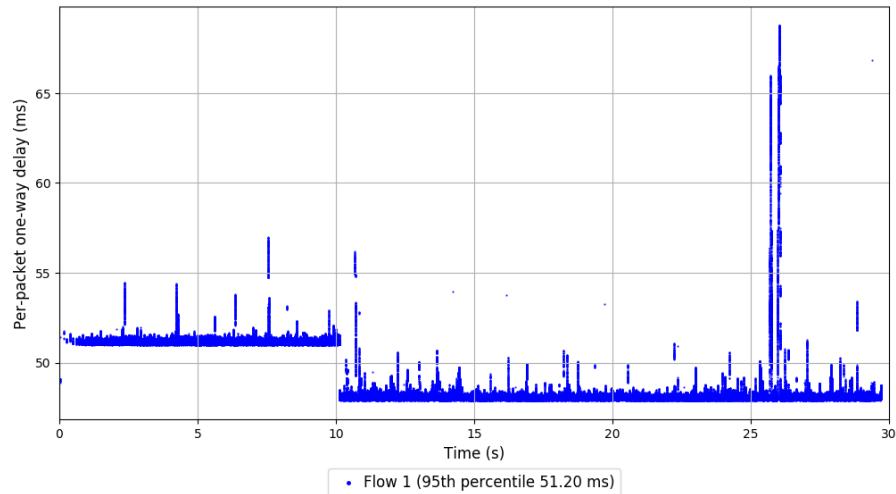
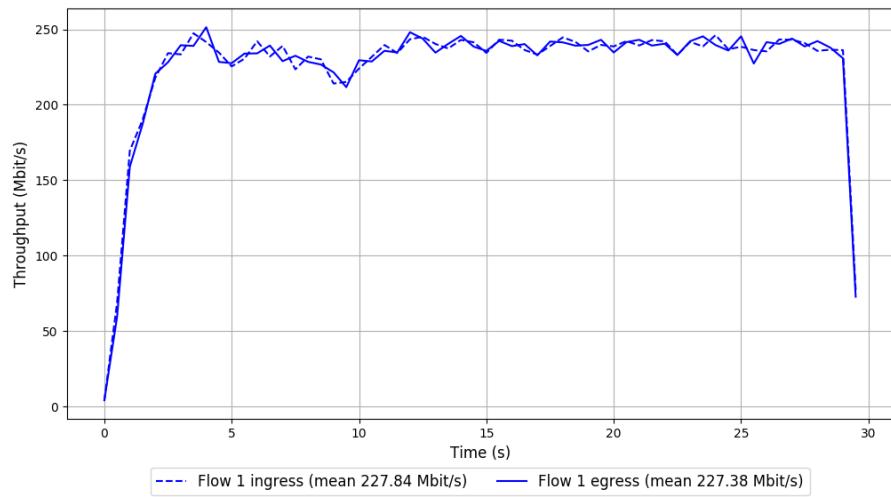
Run 9: Statistics of Indigo-1-128

Start at: 2018-01-26 01:38:52

End at: 2018-01-26 01:39:22

```
# Below is generated by plot.py at 2018-01-26 03:28:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 227.38 Mbit/s
95th percentile per-packet one-way delay: 51.203 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 227.38 Mbit/s
95th percentile per-packet one-way delay: 51.203 ms
Loss rate: 0.21%
```

Run 9: Report of Indigo-1-128 — Data Link



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-26 01:50:48

End at: 2018-01-26 01:51:18

```
# Below is generated by plot.py at 2018-01-26 03:28:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.68 Mbit/s
95th percentile per-packet one-way delay: 52.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.68 Mbit/s
95th percentile per-packet one-way delay: 52.248 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo-1-128 — Data Link

