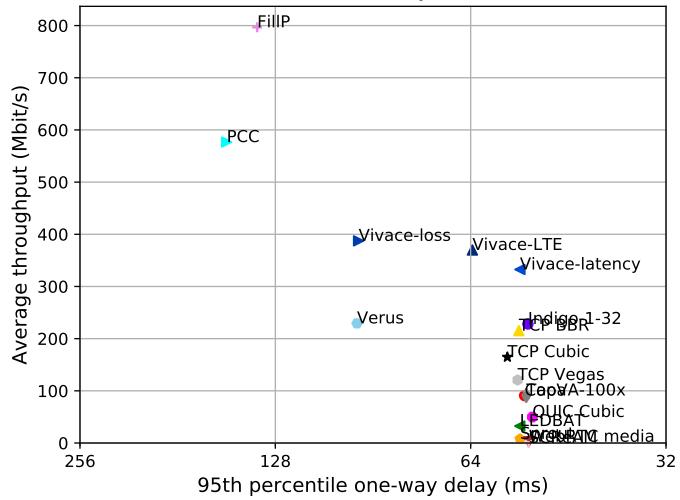


## Pantheon Report

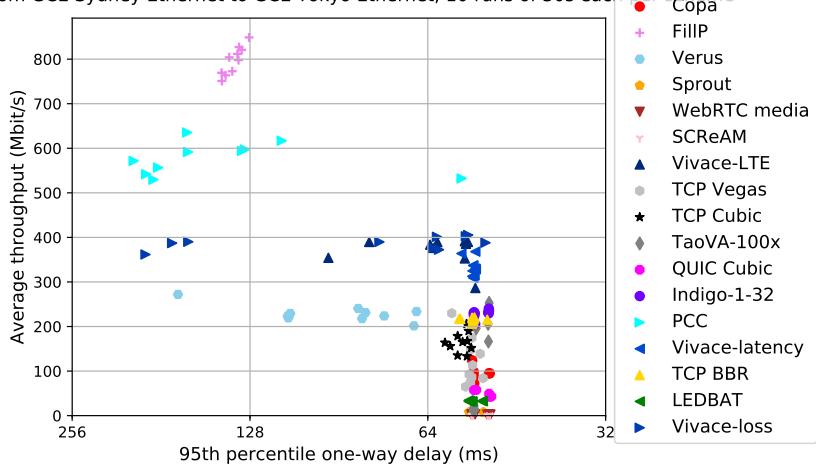
Generated at 2018-03-20 21:20:37 (UTC).  
Data path: GCE Sydney Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).  
Repeated the test of 17 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

Git summary:  
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623  
third\_party/calibrated\_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50  
M datagrump/sender.cc  
third\_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6  
third\_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2  
third\_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9  
third\_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d  
third\_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third\_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f  
third\_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89  
third\_party/koho\_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681  
M datagrump/sender.cc  
third\_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf  
third\_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993  
third\_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1  
M receiver/src/buffer.h  
M receiver/src/core.cpp  
M sender/src/buffer.h  
M sender/src/core.cpp  
third\_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42  
third\_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885  
third\_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681  
third\_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce  
M src/examples/cellsim.cc  
M src/examples/sproutbt2.cc  
M src/network/sproutconn.cc  
third\_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
M src/verus.hpp  
M tools/plot.py  
third\_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3  
third\_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42

test from GCE 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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	215.35	53.94	0.00
TCP Cubic	10	164.67	56.18	0.03
LEDBAT	10	32.46	53.78	0.00
PCC	10	576.74	152.10	1.76
QUIC Cubic	5	49.87	51.42	0.00
SCReAM	10	0.21	52.10	0.00
WebRTC media	10	2.41	52.08	0.03
Sprout	10	7.82	53.72	0.00
TaoVA-100x	10	91.11	52.54	0.00
TCP Vegas	10	120.73	54.18	0.01
Verus	10	229.27	95.81	0.11
Copa	9	90.90	52.85	0.00
FillP	10	796.71	136.52	9.80
Indigo-1-32	10	228.17	52.23	0.00
Vivace-latency	10	332.54	53.74	0.01
Vivace-loss	10	387.41	95.25	0.18
Vivace-LTE	10	369.98	63.61	0.01

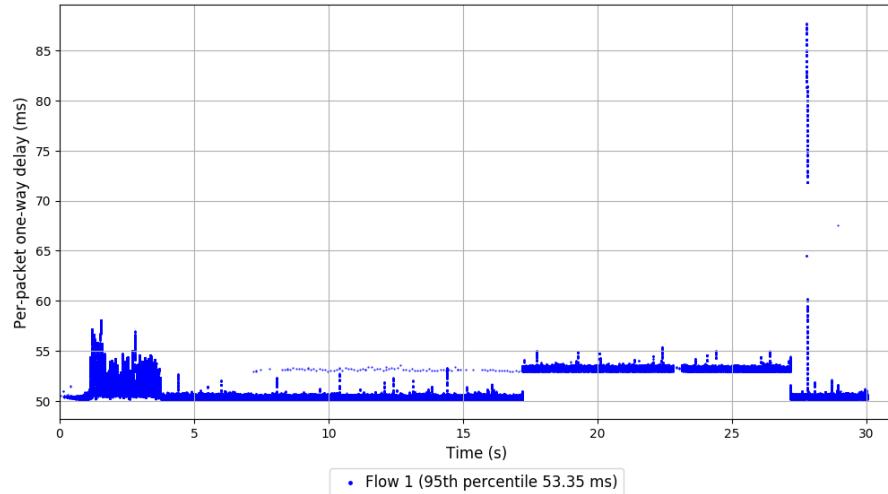
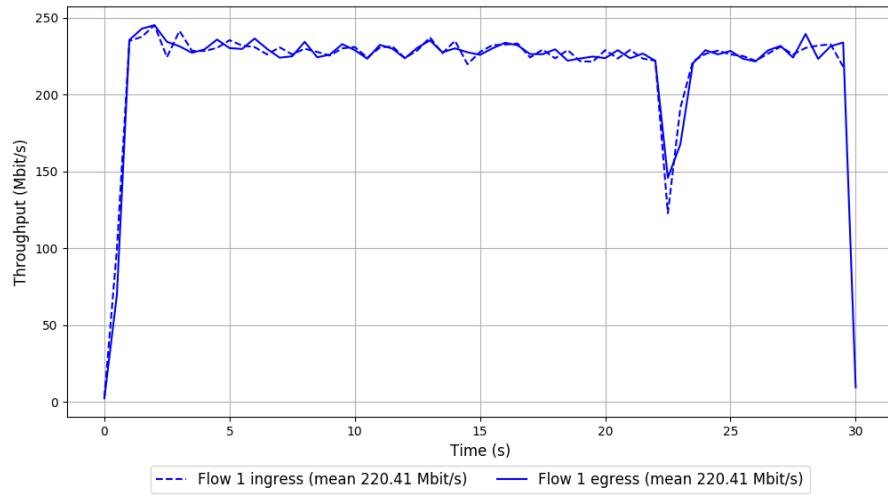
Run 1: Statistics of TCP BBR

Start at: 2018-03-20 15:56:54

End at: 2018-03-20 15:57:24

```
# Below is generated by plot.py at 2018-03-20 19:59:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.41 Mbit/s
95th percentile per-packet one-way delay: 53.355 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.41 Mbit/s
95th percentile per-packet one-way delay: 53.355 ms
Loss rate: 0.00%
```

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



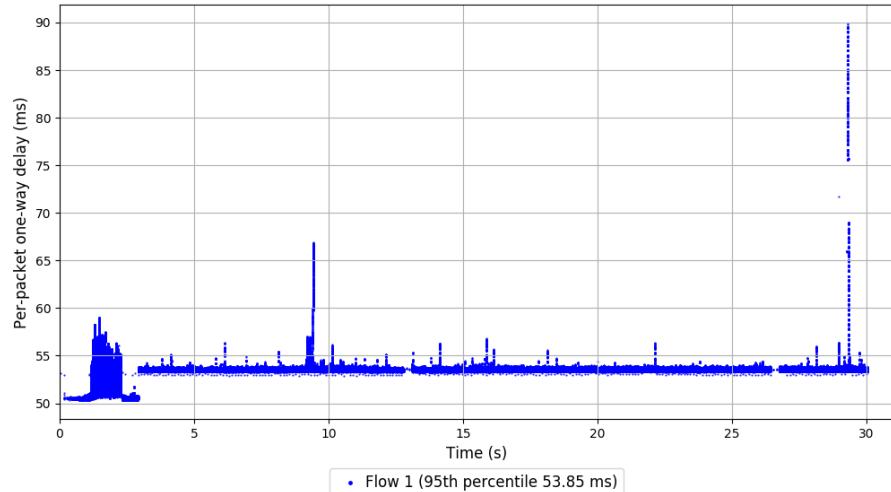
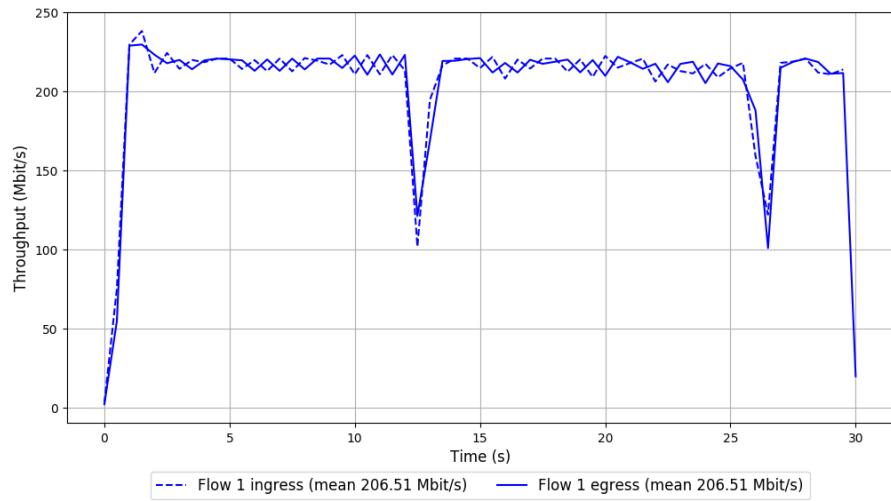
Run 2: Statistics of TCP BBR

Start at: 2018-03-20 16:11:08

End at: 2018-03-20 16:11:38

```
# Below is generated by plot.py at 2018-03-20 19:59:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.51 Mbit/s
95th percentile per-packet one-way delay: 53.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.51 Mbit/s
95th percentile per-packet one-way delay: 53.847 ms
Loss rate: 0.00%
```

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



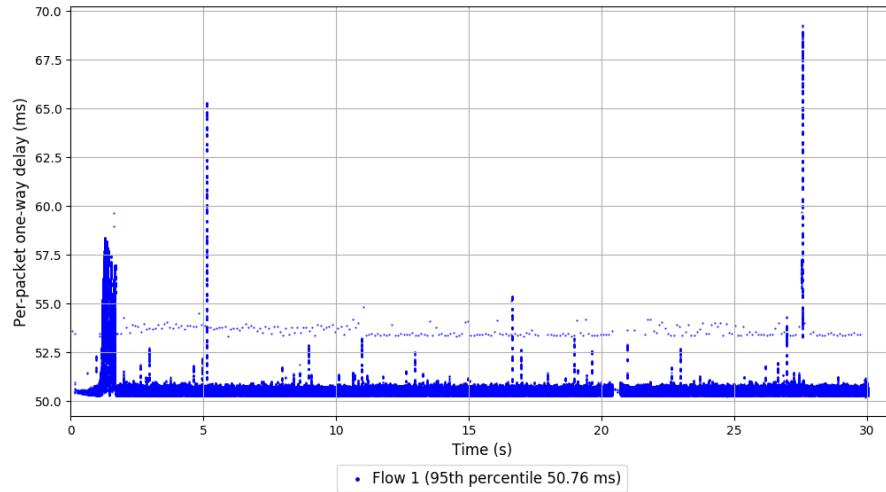
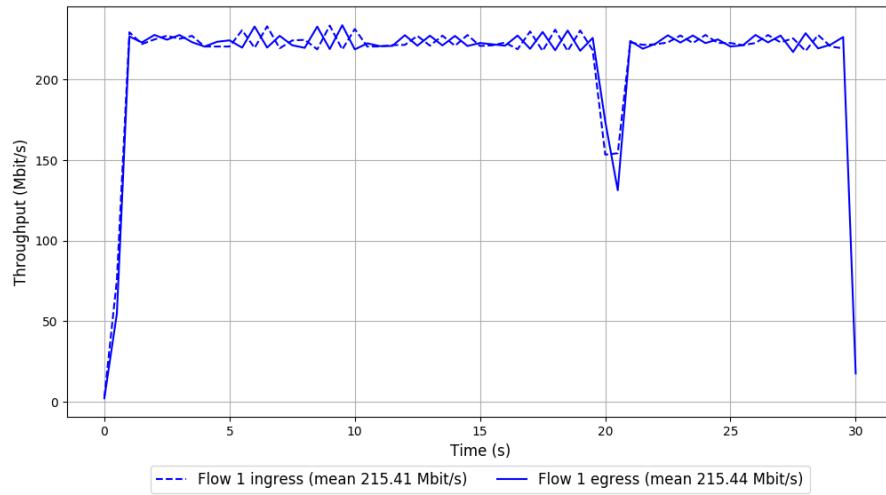
Run 3: Statistics of TCP BBR

Start at: 2018-03-20 16:25:21

End at: 2018-03-20 16:25:51

```
# Below is generated by plot.py at 2018-03-20 19:59:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.44 Mbit/s
95th percentile per-packet one-way delay: 50.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.44 Mbit/s
95th percentile per-packet one-way delay: 50.759 ms
Loss rate: 0.00%
```

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



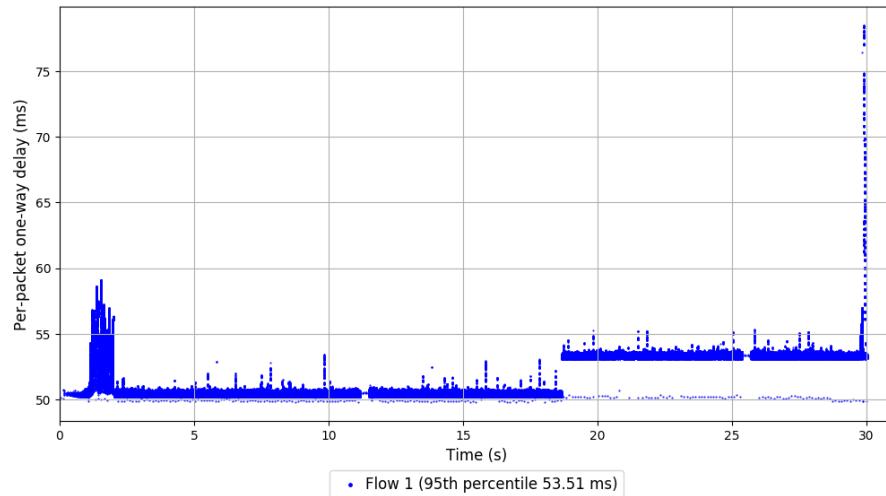
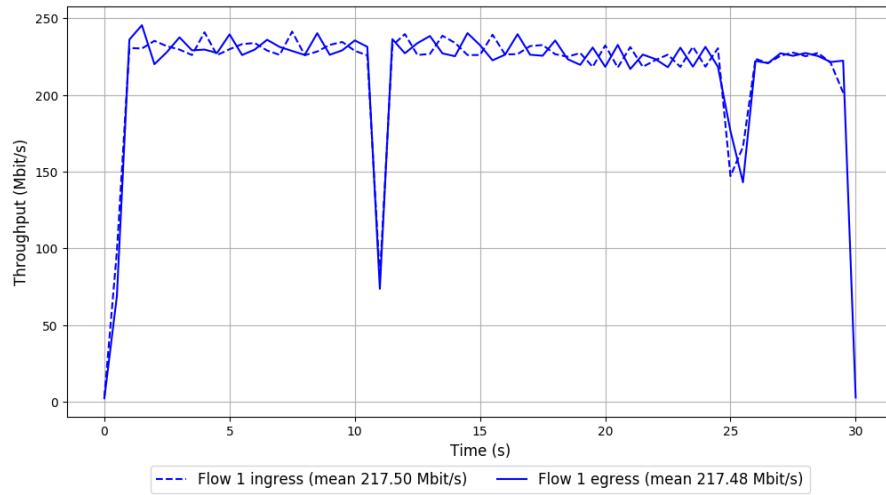
Run 4: Statistics of TCP BBR

Start at: 2018-03-20 16:39:53

End at: 2018-03-20 16:40:23

```
# Below is generated by plot.py at 2018-03-20 19:59:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.48 Mbit/s
95th percentile per-packet one-way delay: 53.508 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 217.48 Mbit/s
95th percentile per-packet one-way delay: 53.508 ms
Loss rate: 0.01%
```

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



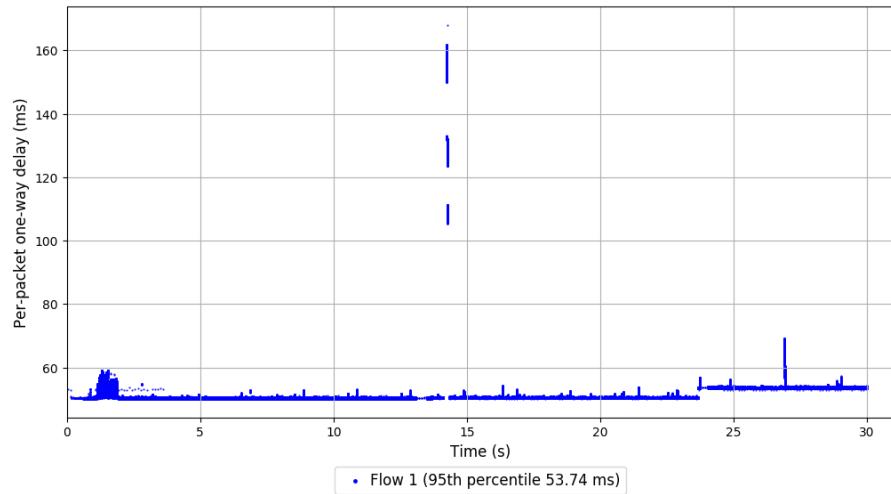
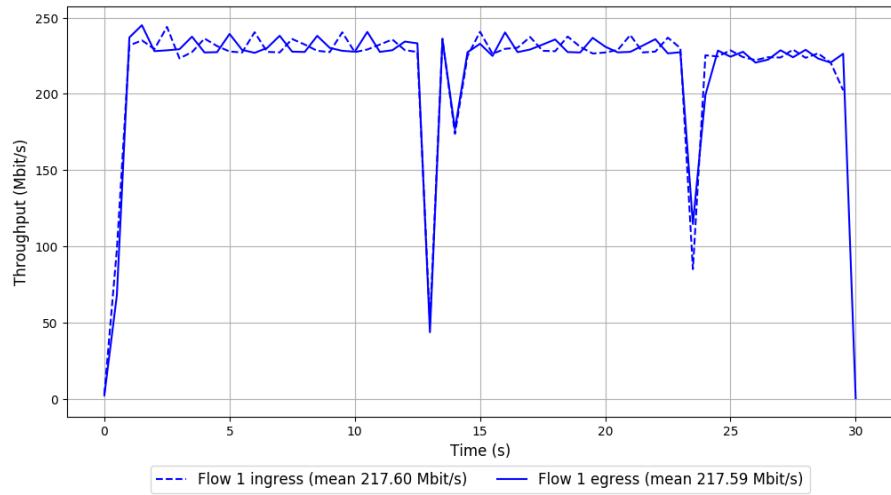
Run 5: Statistics of TCP BBR

Start at: 2018-03-20 16:54:18

End at: 2018-03-20 16:54:48

```
# Below is generated by plot.py at 2018-03-20 19:59:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.59 Mbit/s
95th percentile per-packet one-way delay: 53.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.59 Mbit/s
95th percentile per-packet one-way delay: 53.736 ms
Loss rate: 0.00%
```

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



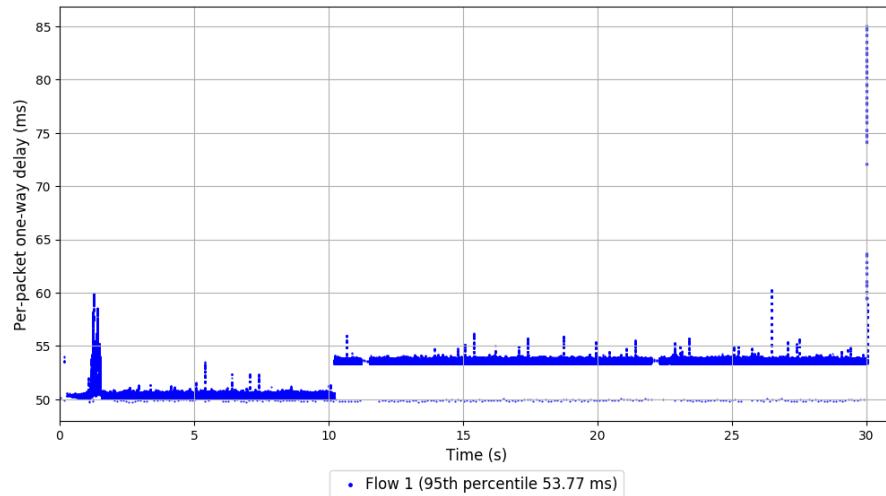
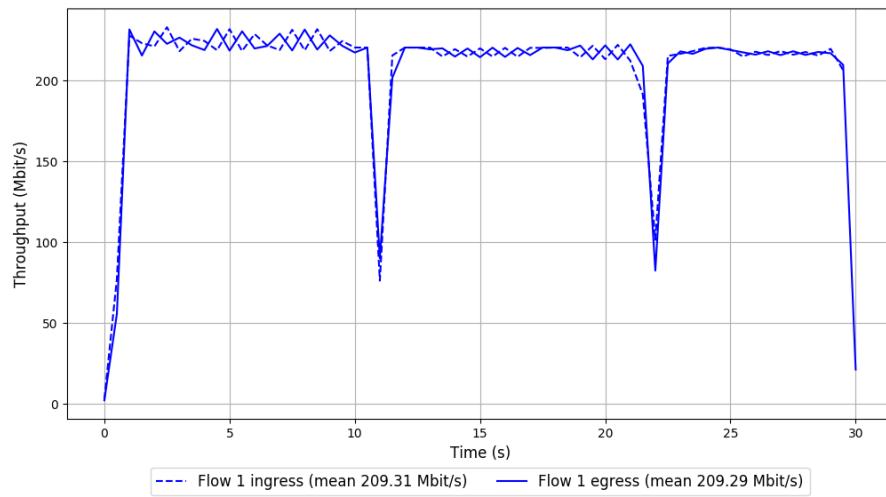
Run 6: Statistics of TCP BBR

Start at: 2018-03-20 17:08:31

End at: 2018-03-20 17:09:01

```
# Below is generated by plot.py at 2018-03-20 19:59:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.29 Mbit/s
95th percentile per-packet one-way delay: 53.769 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.29 Mbit/s
95th percentile per-packet one-way delay: 53.769 ms
Loss rate: 0.00%
```

Run 6: Report of TCP BBR — Data Link



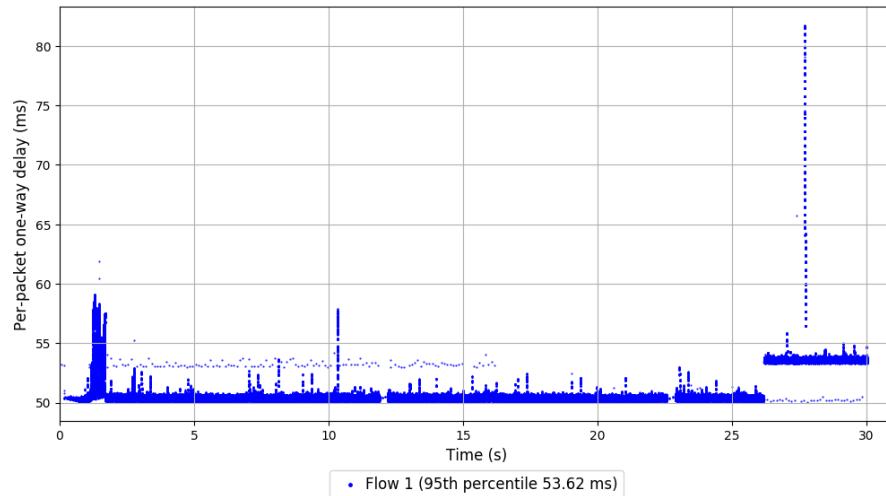
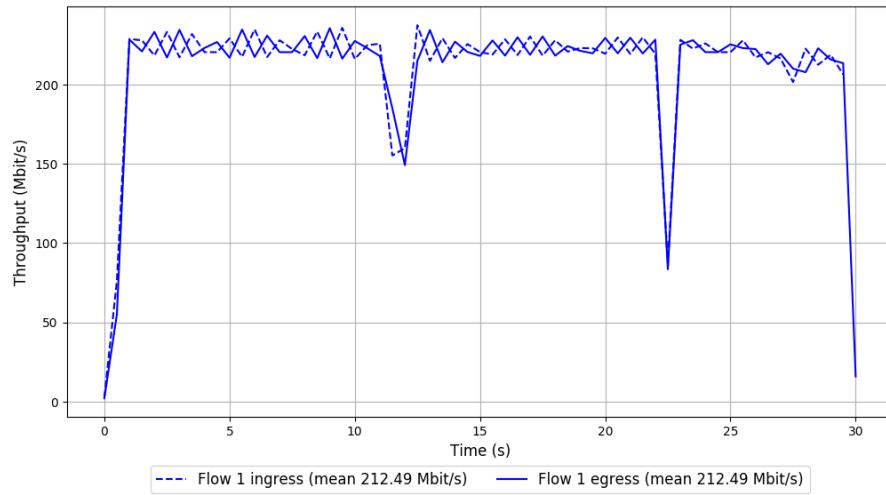
Run 7: Statistics of TCP BBR

Start at: 2018-03-20 17:22:45

End at: 2018-03-20 17:23:15

```
# Below is generated by plot.py at 2018-03-20 19:59:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.49 Mbit/s
95th percentile per-packet one-way delay: 53.617 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.49 Mbit/s
95th percentile per-packet one-way delay: 53.617 ms
Loss rate: 0.00%
```

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



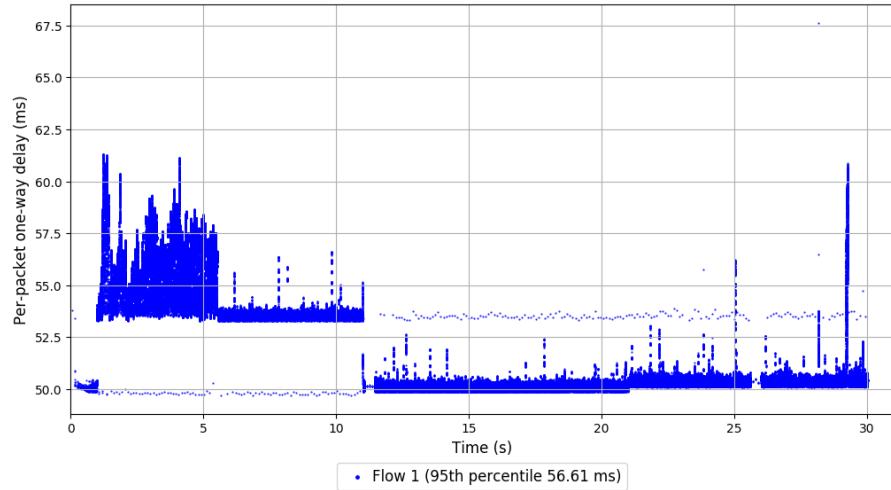
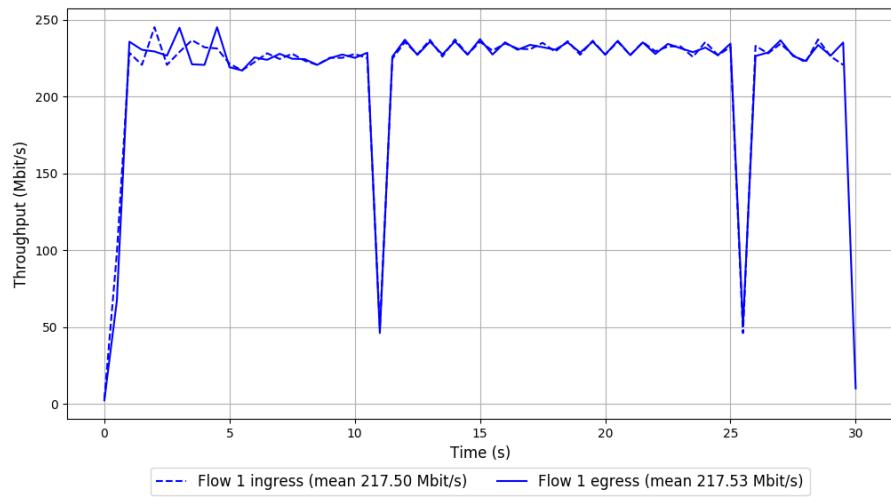
Run 8: Statistics of TCP BBR

Start at: 2018-03-20 17:37:20

End at: 2018-03-20 17:37:50

```
# Below is generated by plot.py at 2018-03-20 19:59:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.53 Mbit/s
95th percentile per-packet one-way delay: 56.613 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.53 Mbit/s
95th percentile per-packet one-way delay: 56.613 ms
Loss rate: 0.00%
```

Run 8: Report of TCP BBR — Data Link



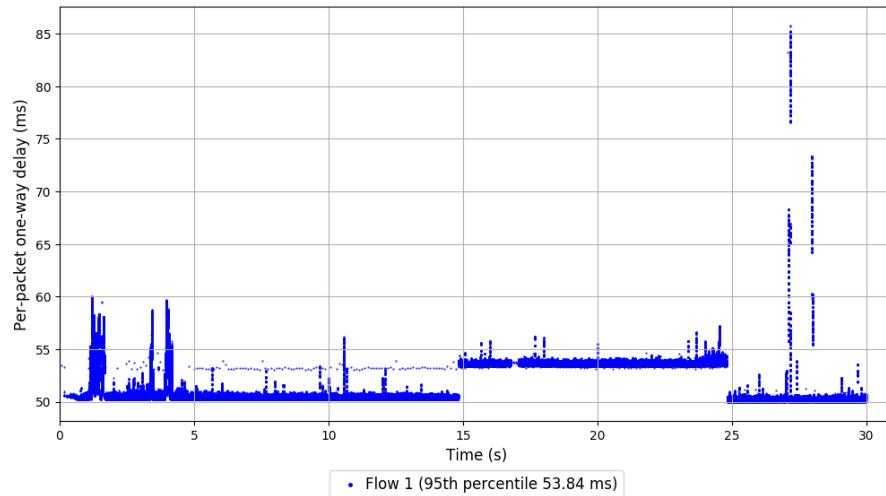
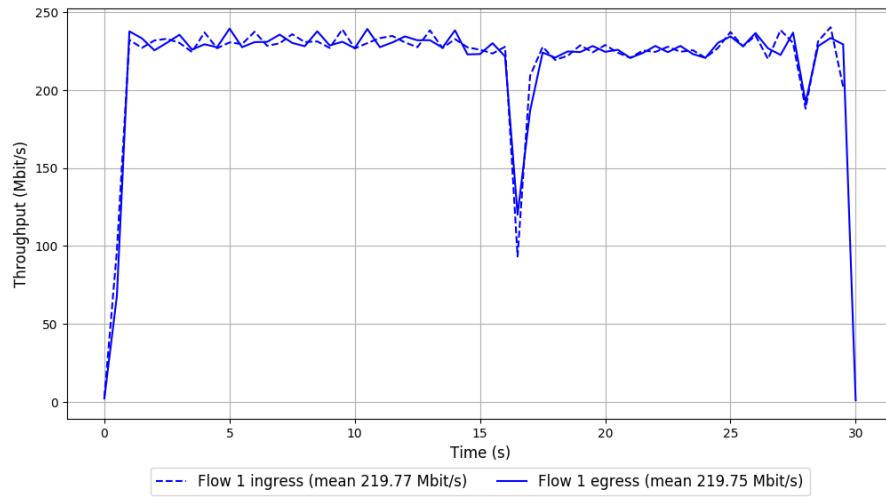
Run 9: Statistics of TCP BBR

Start at: 2018-03-20 17:51:36

End at: 2018-03-20 17:52:06

```
# Below is generated by plot.py at 2018-03-20 20:02:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 219.75 Mbit/s
95th percentile per-packet one-way delay: 53.840 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 219.75 Mbit/s
95th percentile per-packet one-way delay: 53.840 ms
Loss rate: 0.02%
```

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



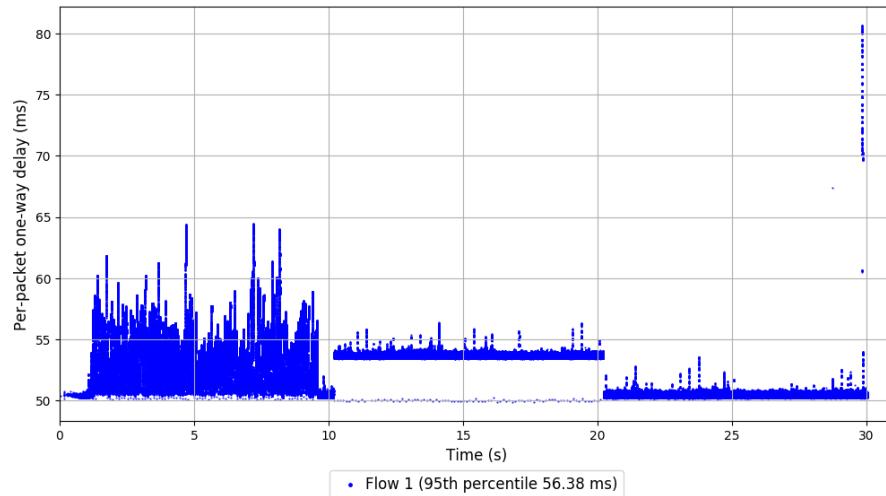
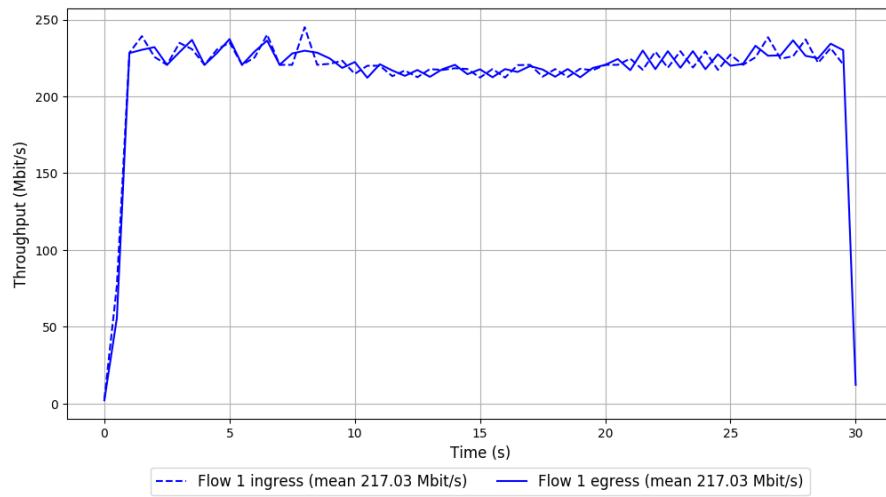
Run 10: Statistics of TCP BBR

Start at: 2018-03-20 18:06:11

End at: 2018-03-20 18:06:41

```
# Below is generated by plot.py at 2018-03-20 20:02:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.03 Mbit/s
95th percentile per-packet one-way delay: 56.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.03 Mbit/s
95th percentile per-packet one-way delay: 56.380 ms
Loss rate: 0.00%
```

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

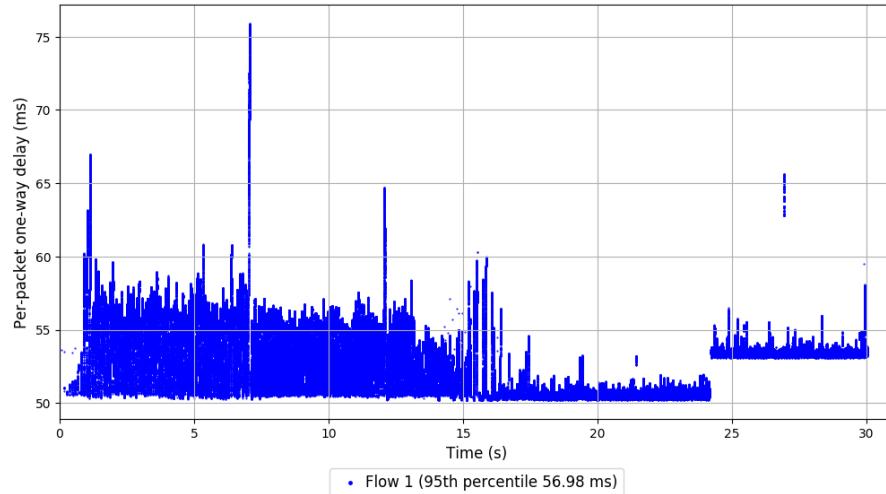
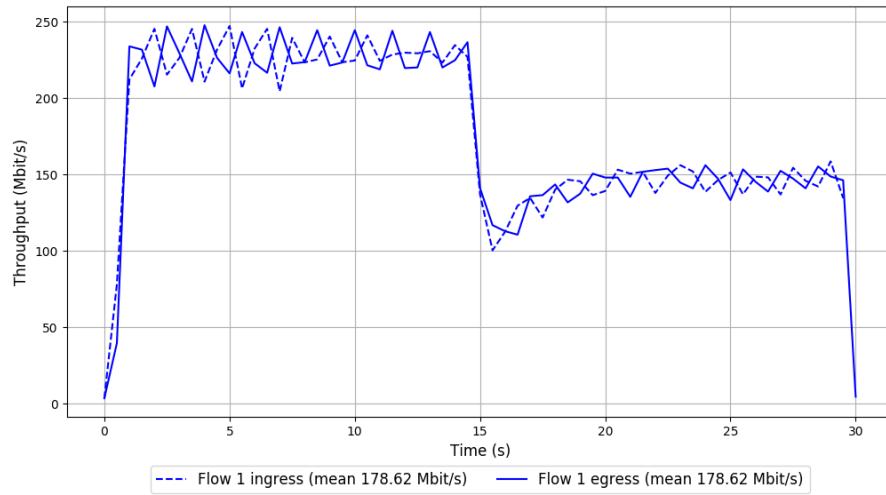


```
Run 1: Statistics of TCP Cubic

Start at: 2018-03-20 16:06:17
End at: 2018-03-20 16:06:47

# Below is generated by plot.py at 2018-03-20 20:02:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 178.62 Mbit/s
95th percentile per-packet one-way delay: 56.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 178.62 Mbit/s
95th percentile per-packet one-way delay: 56.978 ms
Loss rate: 0.00%
```

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



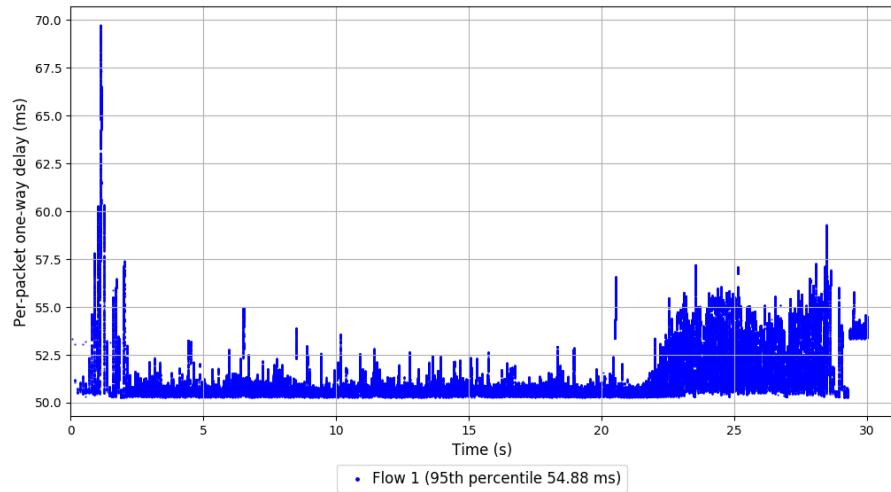
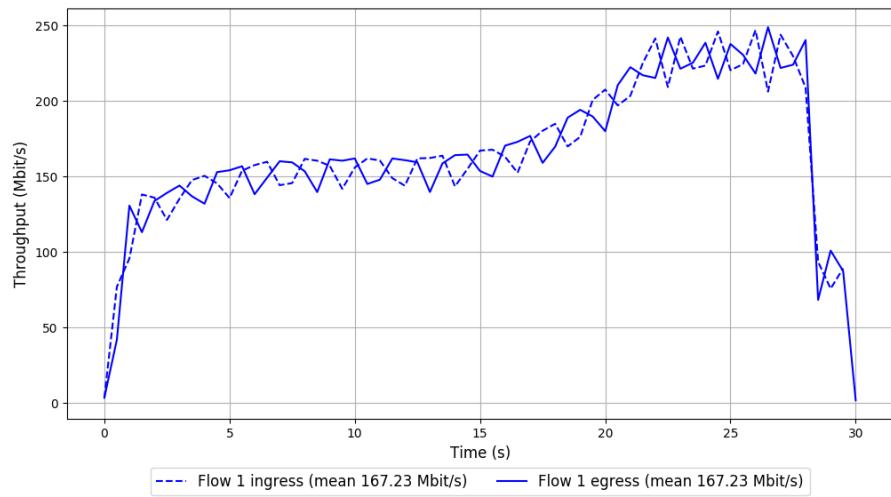
Run 2: Statistics of TCP Cubic

Start at: 2018-03-20 16:20:32

End at: 2018-03-20 16:21:02

```
# Below is generated by plot.py at 2018-03-20 20:02:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 167.23 Mbit/s
95th percentile per-packet one-way delay: 54.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 167.23 Mbit/s
95th percentile per-packet one-way delay: 54.880 ms
Loss rate: 0.00%
```

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



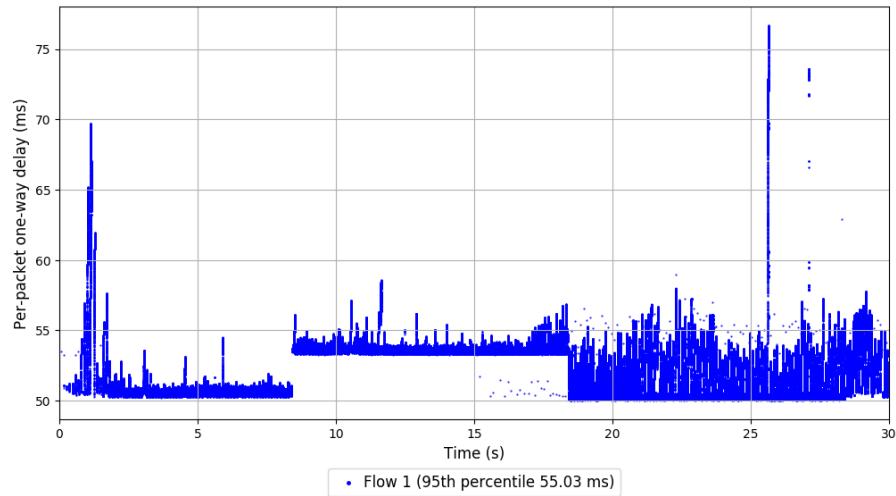
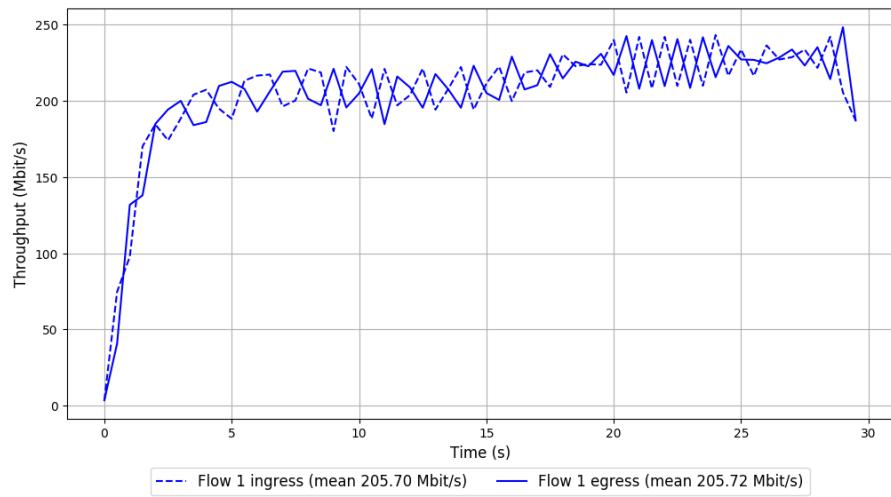
Run 3: Statistics of TCP Cubic

Start at: 2018-03-20 16:34:53

End at: 2018-03-20 16:35:23

```
# Below is generated by plot.py at 2018-03-20 20:02:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.72 Mbit/s
95th percentile per-packet one-way delay: 55.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.72 Mbit/s
95th percentile per-packet one-way delay: 55.034 ms
Loss rate: 0.00%
```

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



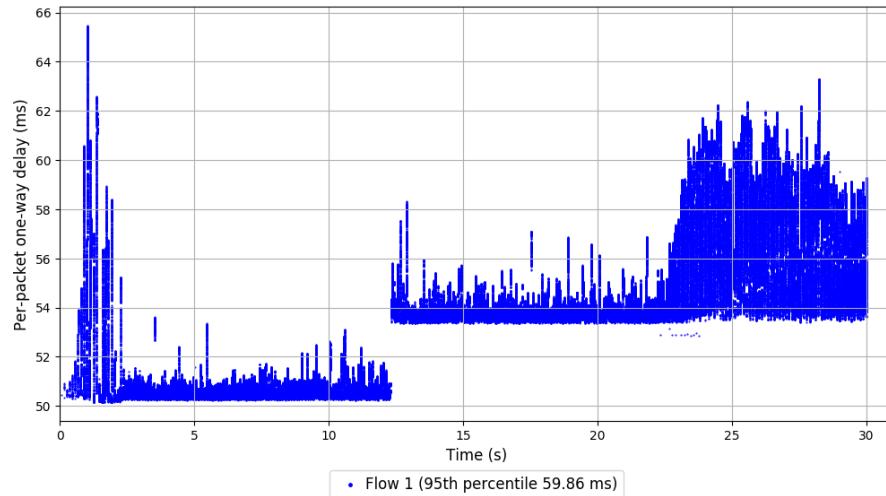
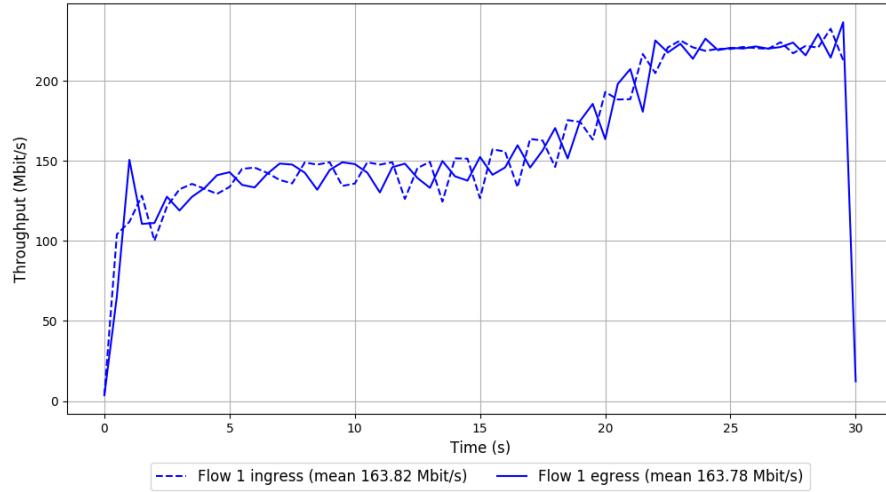
Run 4: Statistics of TCP Cubic

Start at: 2018-03-20 16:49:29

End at: 2018-03-20 16:49:59

```
# Below is generated by plot.py at 2018-03-20 20:02:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 163.78 Mbit/s
95th percentile per-packet one-way delay: 59.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 163.78 Mbit/s
95th percentile per-packet one-way delay: 59.856 ms
Loss rate: 0.00%
```

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



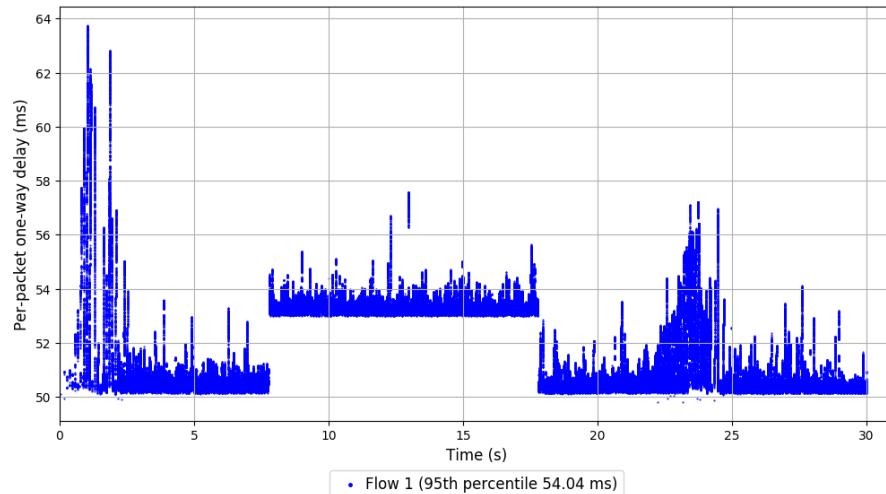
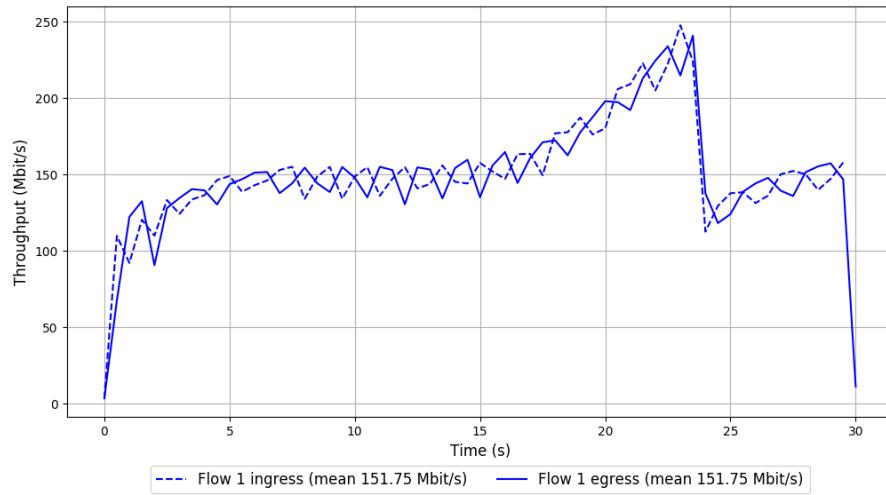
Run 5: Statistics of TCP Cubic

Start at: 2018-03-20 17:03:43

End at: 2018-03-20 17:04:13

```
# Below is generated by plot.py at 2018-03-20 20:02:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 151.75 Mbit/s
95th percentile per-packet one-way delay: 54.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.75 Mbit/s
95th percentile per-packet one-way delay: 54.040 ms
Loss rate: 0.00%
```

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



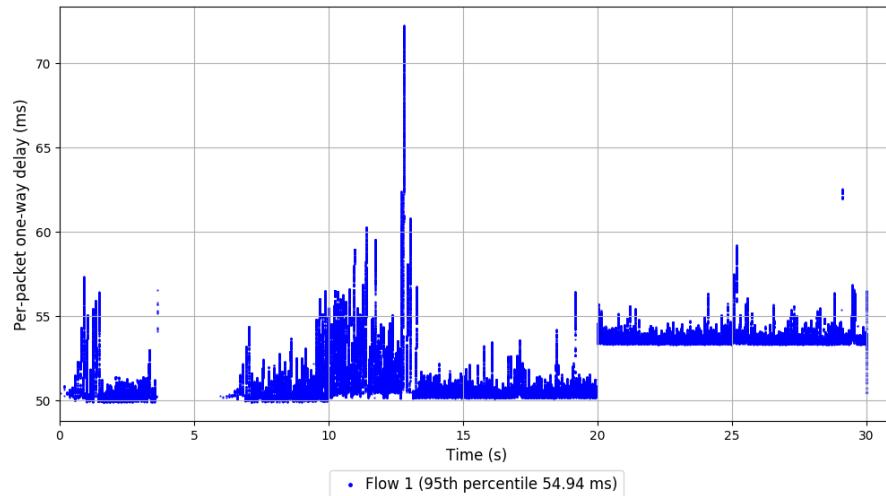
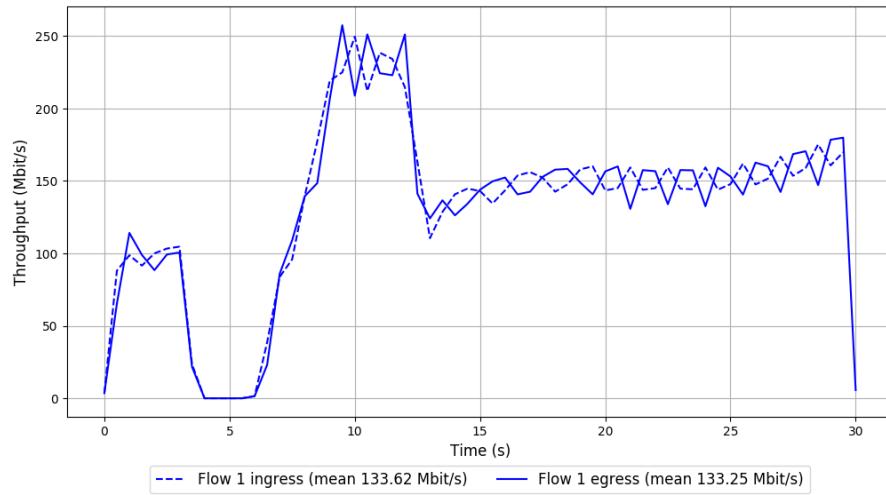
Run 6: Statistics of TCP Cubic

Start at: 2018-03-20 17:18:01

End at: 2018-03-20 17:18:31

```
# Below is generated by plot.py at 2018-03-20 20:02:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.25 Mbit/s
95th percentile per-packet one-way delay: 54.941 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 133.25 Mbit/s
95th percentile per-packet one-way delay: 54.941 ms
Loss rate: 0.27%
```

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



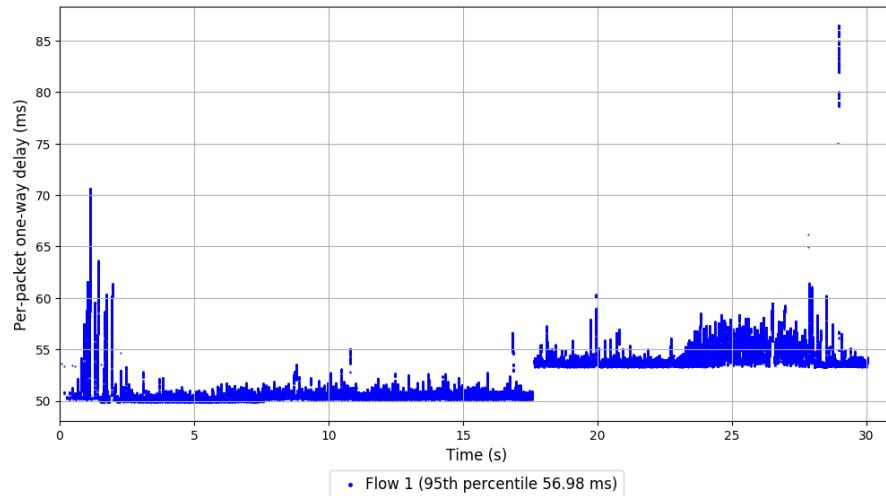
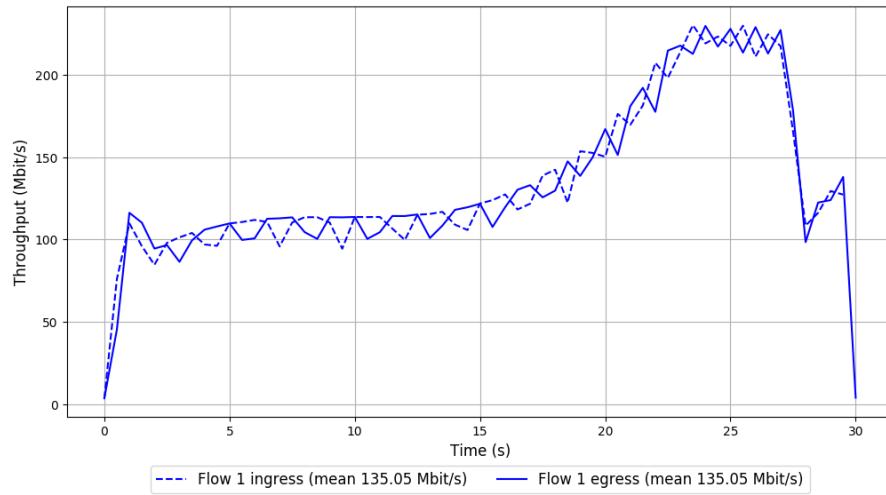
Run 7: Statistics of TCP Cubic

Start at: 2018-03-20 17:32:14

End at: 2018-03-20 17:32:44

```
# Below is generated by plot.py at 2018-03-20 20:04:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 135.05 Mbit/s
95th percentile per-packet one-way delay: 56.980 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 135.05 Mbit/s
95th percentile per-packet one-way delay: 56.980 ms
Loss rate: 0.00%
```

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



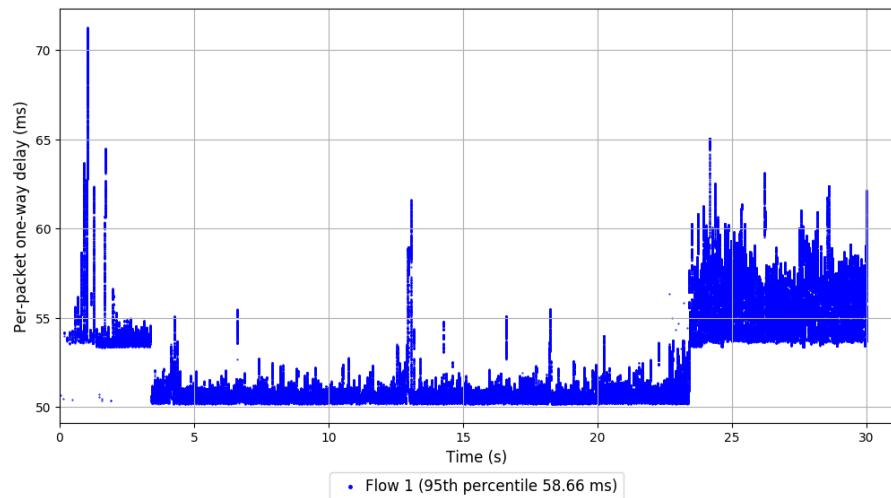
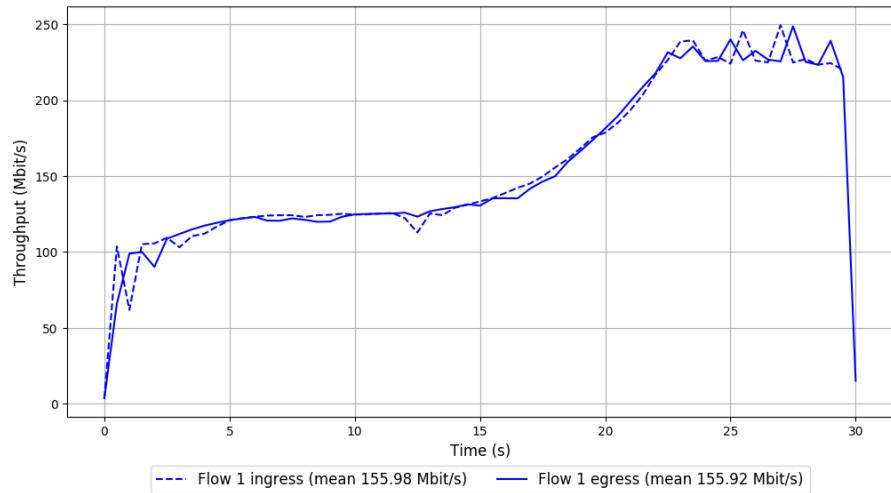
Run 8: Statistics of TCP Cubic

Start at: 2018-03-20 17:46:48

End at: 2018-03-20 17:47:18

```
# Below is generated by plot.py at 2018-03-20 20:04:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 155.92 Mbit/s
95th percentile per-packet one-way delay: 58.658 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.92 Mbit/s
95th percentile per-packet one-way delay: 58.658 ms
Loss rate: 0.00%
```

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



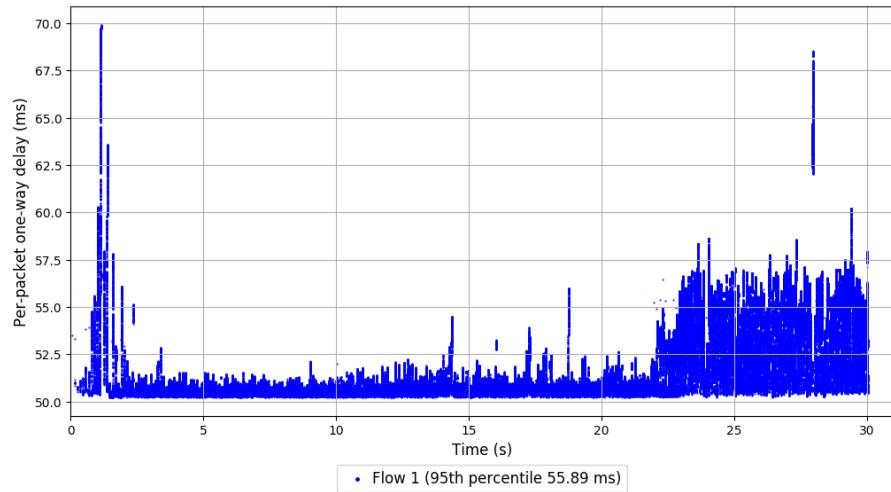
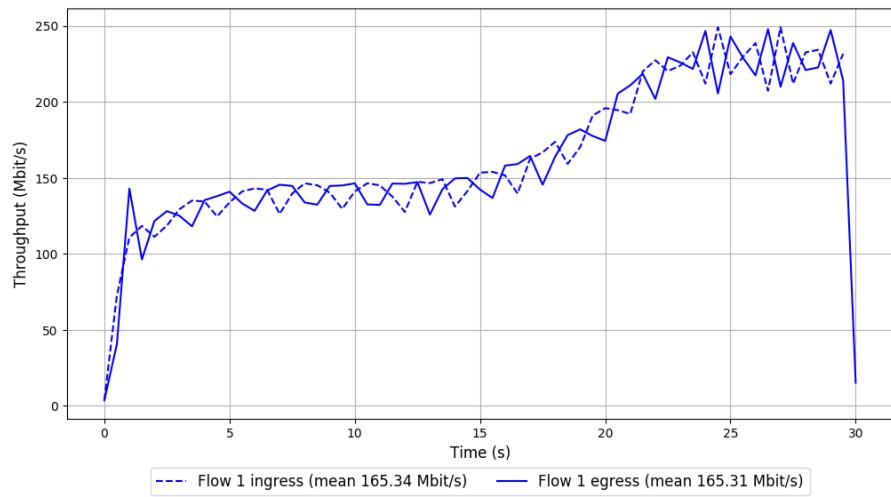
Run 9: Statistics of TCP Cubic

Start at: 2018-03-20 18:01:10

End at: 2018-03-20 18:01:40

```
# Below is generated by plot.py at 2018-03-20 20:04:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 165.31 Mbit/s
95th percentile per-packet one-way delay: 55.893 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 165.31 Mbit/s
95th percentile per-packet one-way delay: 55.893 ms
Loss rate: 0.03%
```

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



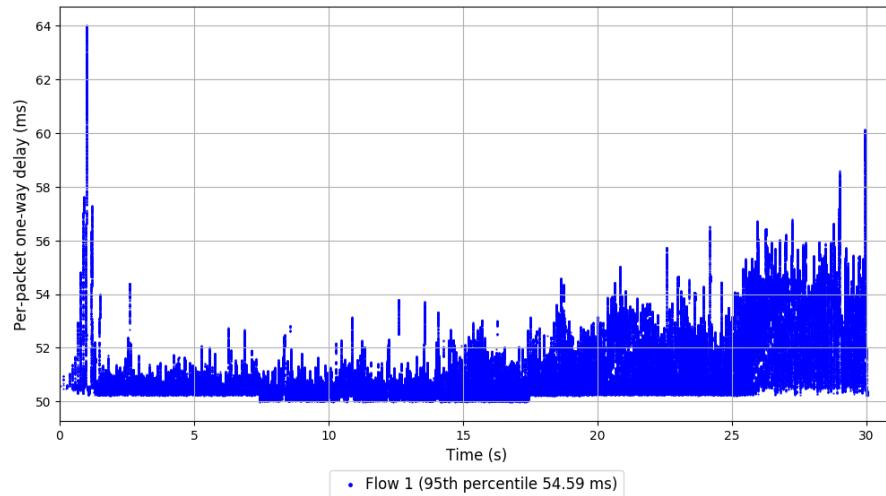
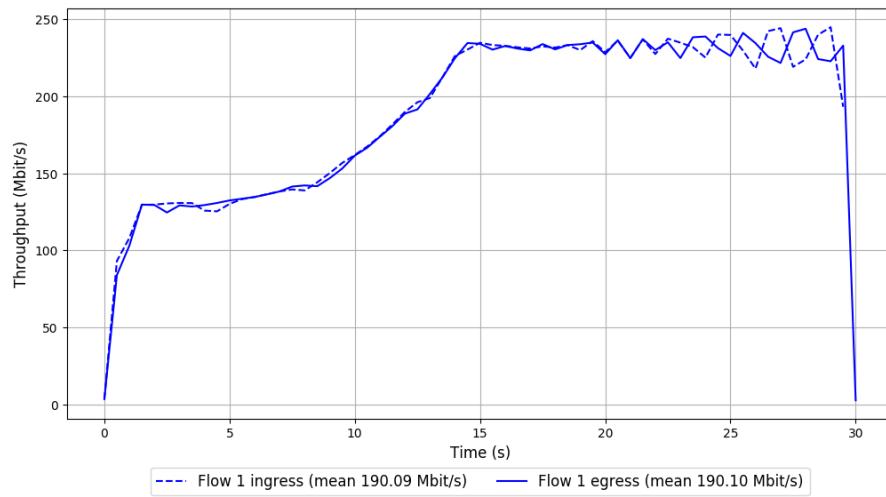
Run 10: Statistics of TCP Cubic

Start at: 2018-03-20 18:15:34

End at: 2018-03-20 18:16:04

```
# Below is generated by plot.py at 2018-03-20 20:05:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.10 Mbit/s
95th percentile per-packet one-way delay: 54.587 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.10 Mbit/s
95th percentile per-packet one-way delay: 54.587 ms
Loss rate: 0.00%
```

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

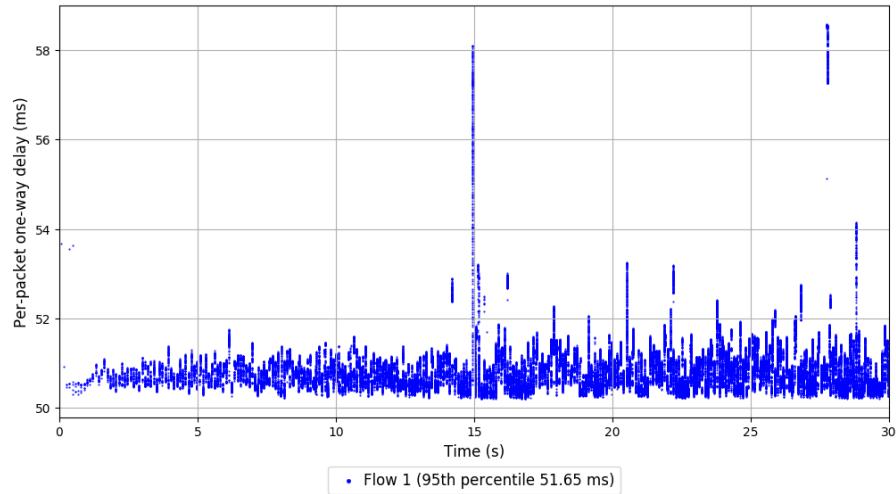
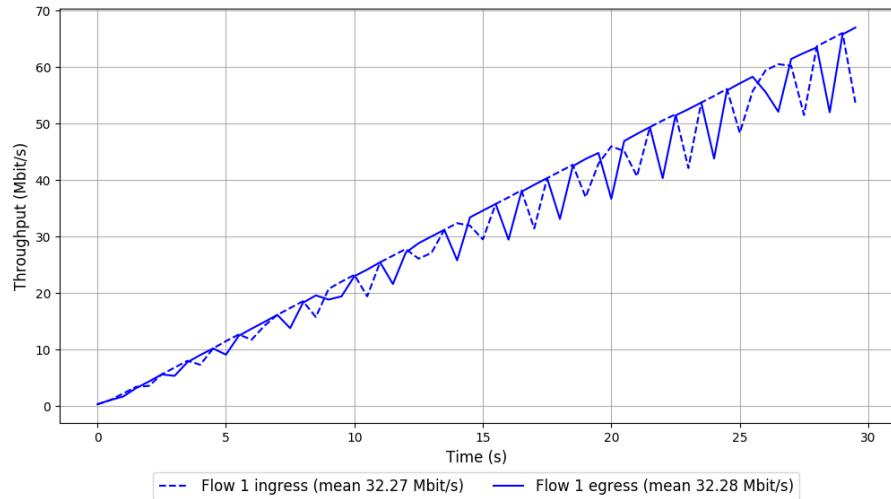


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-20 16:07:02
End at: 2018-03-20 16:07:32

# Below is generated by plot.py at 2018-03-20 20:05:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 51.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 51.647 ms
Loss rate: 0.00%
```

## Run 1: Report of LEDBAT — Data Link



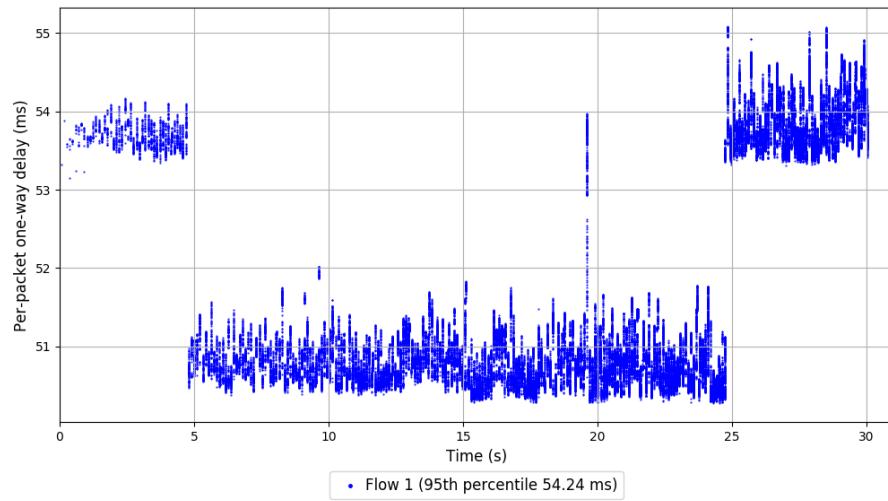
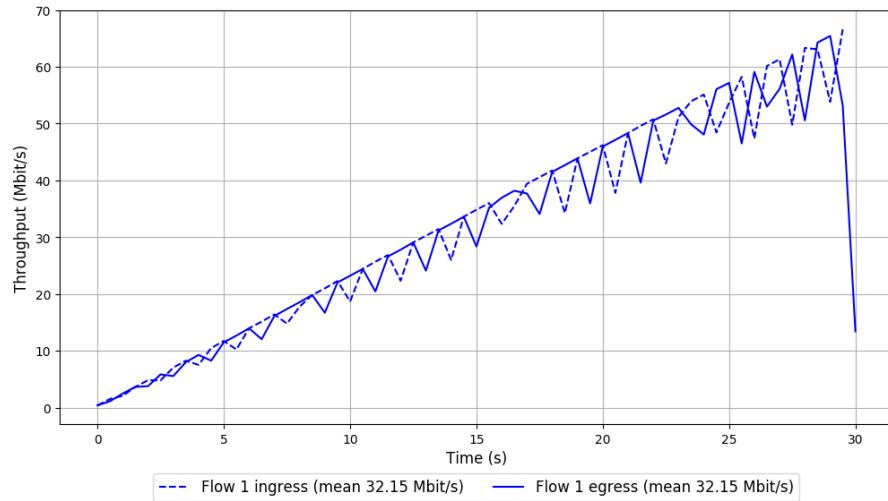
Run 2: Statistics of LEDBAT

Start at: 2018-03-20 16:21:16

End at: 2018-03-20 16:21:46

```
# Below is generated by plot.py at 2018-03-20 20:05:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: 54.236 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: 54.236 ms
Loss rate: 0.00%
```

## Run 2: Report of LEDBAT — Data Link



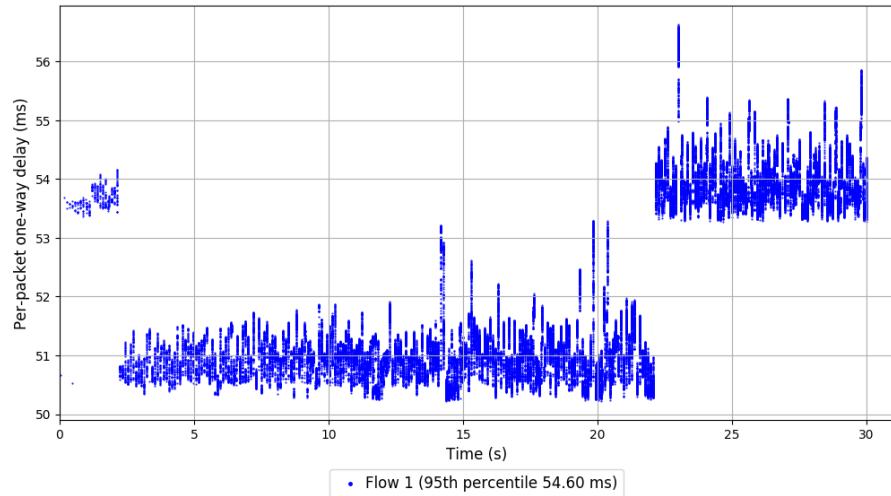
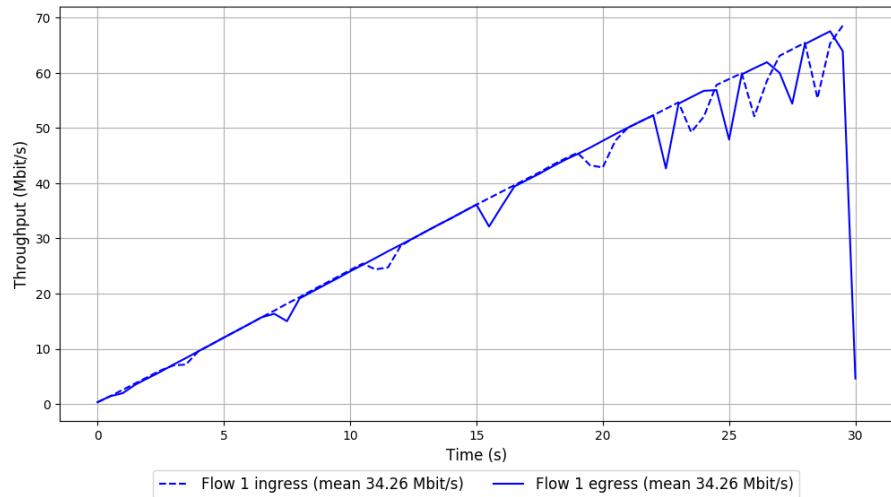
Run 3: Statistics of LEDBAT

Start at: 2018-03-20 16:35:39

End at: 2018-03-20 16:36:09

```
# Below is generated by plot.py at 2018-03-20 20:05:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.26 Mbit/s
95th percentile per-packet one-way delay: 54.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.26 Mbit/s
95th percentile per-packet one-way delay: 54.596 ms
Loss rate: 0.00%
```

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



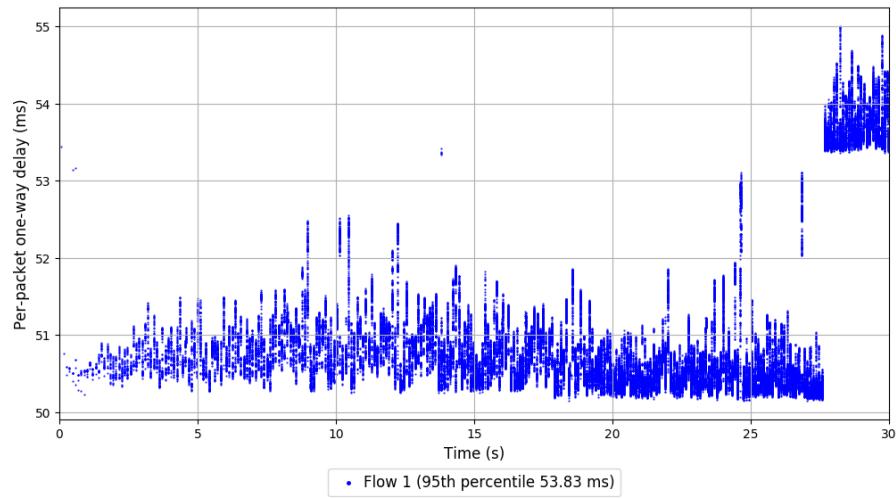
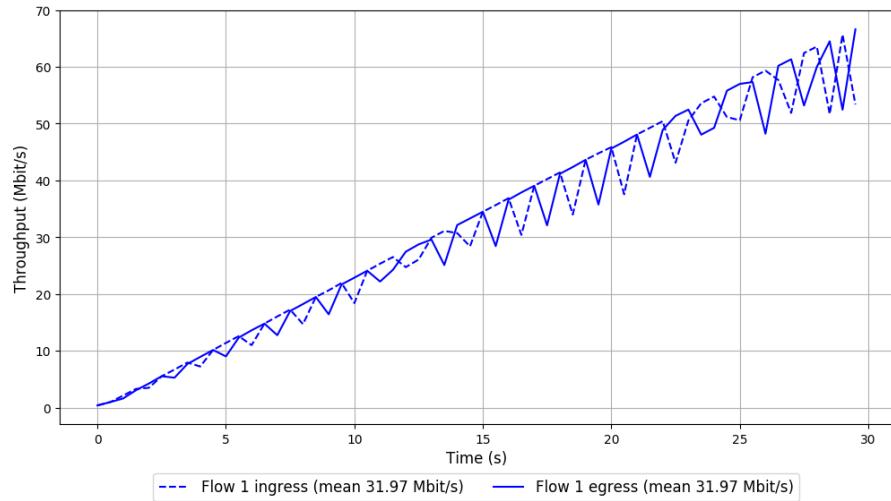
Run 4: Statistics of LEDBAT

Start at: 2018-03-20 16:50:14

End at: 2018-03-20 16:50:44

```
# Below is generated by plot.py at 2018-03-20 20:05:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 53.828 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 53.828 ms
Loss rate: 0.00%
```

## Run 4: Report of LEDBAT — Data Link



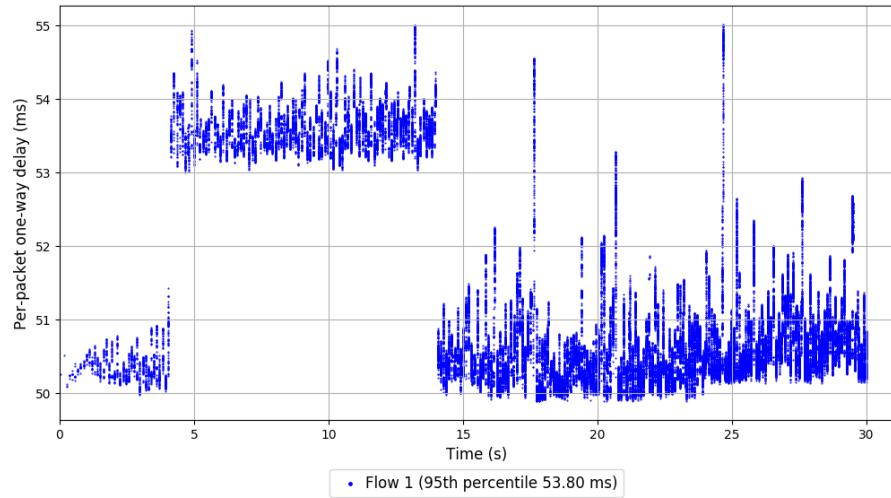
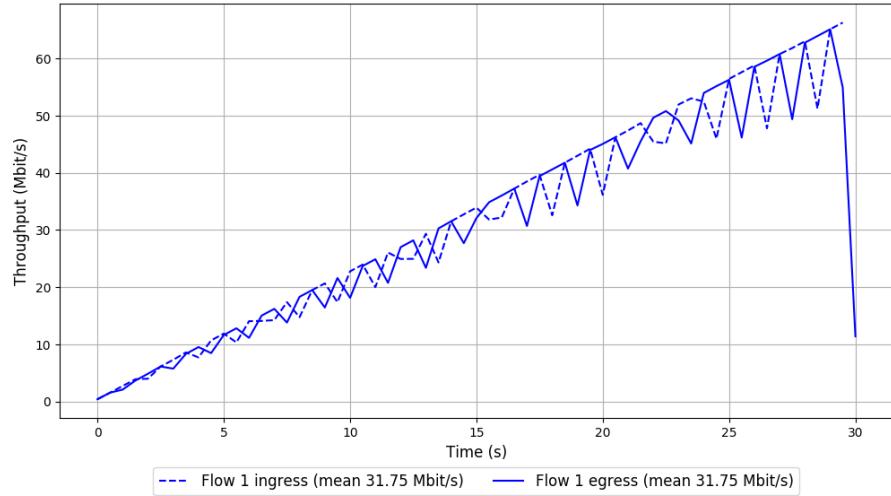
Run 5: Statistics of LEDBAT

Start at: 2018-03-20 17:04:27

End at: 2018-03-20 17:04:57

```
# Below is generated by plot.py at 2018-03-20 20:05:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 53.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 53.801 ms
Loss rate: 0.00%
```

## Run 5: Report of LEDBAT — Data Link



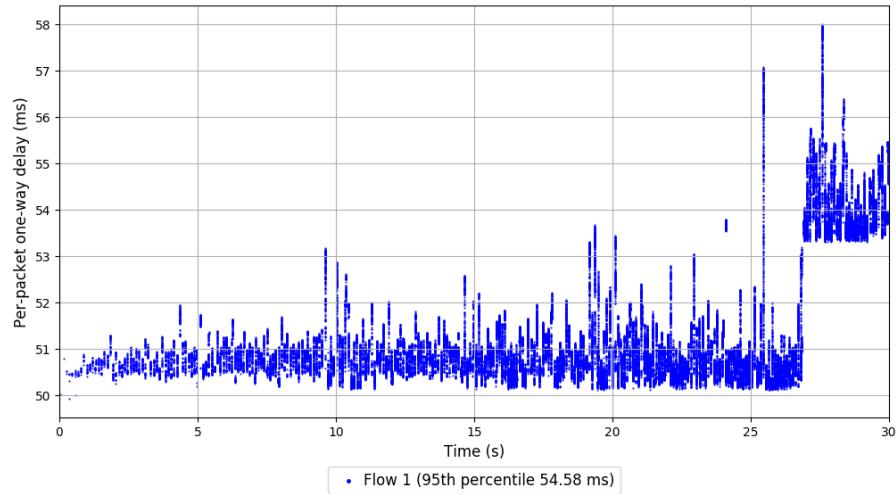
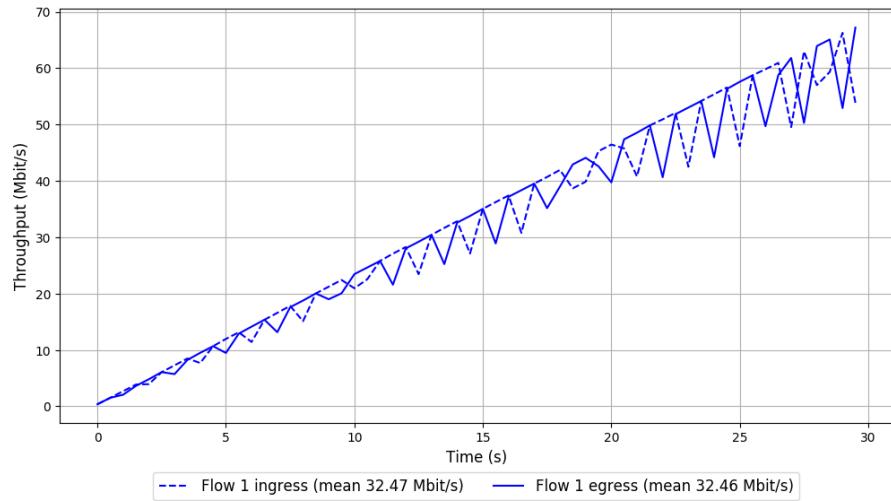
Run 6: Statistics of LEDBAT

Start at: 2018-03-20 17:18:44

End at: 2018-03-20 17:19:14

```
# Below is generated by plot.py at 2018-03-20 20:05:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 54.579 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 54.579 ms
Loss rate: 0.00%
```

## Run 6: Report of LEDBAT — Data Link



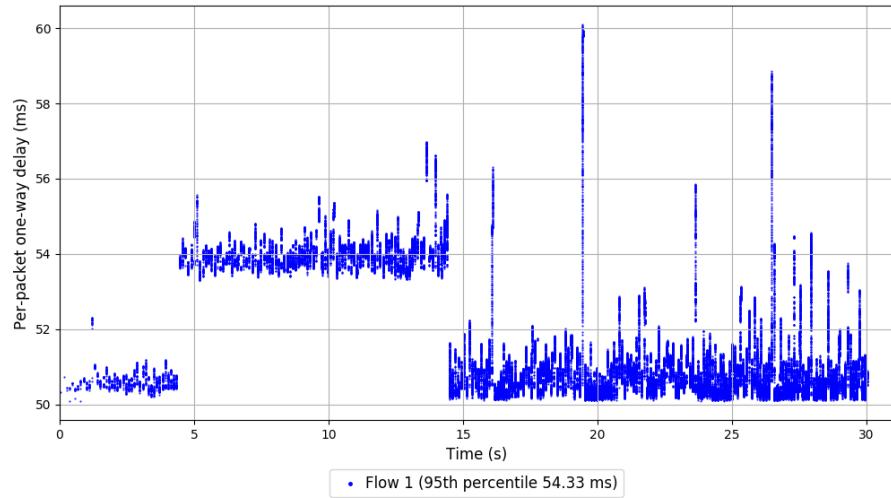
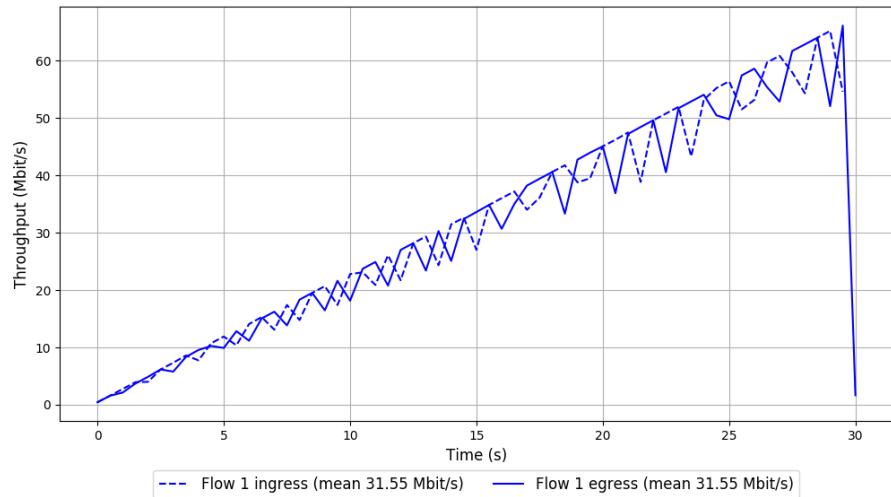
Run 7: Statistics of LEDBAT

Start at: 2018-03-20 17:32:57

End at: 2018-03-20 17:33:27

```
# Below is generated by plot.py at 2018-03-20 20:05:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 54.325 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 54.325 ms
Loss rate: 0.00%
```

## Run 7: Report of LEDBAT — Data Link



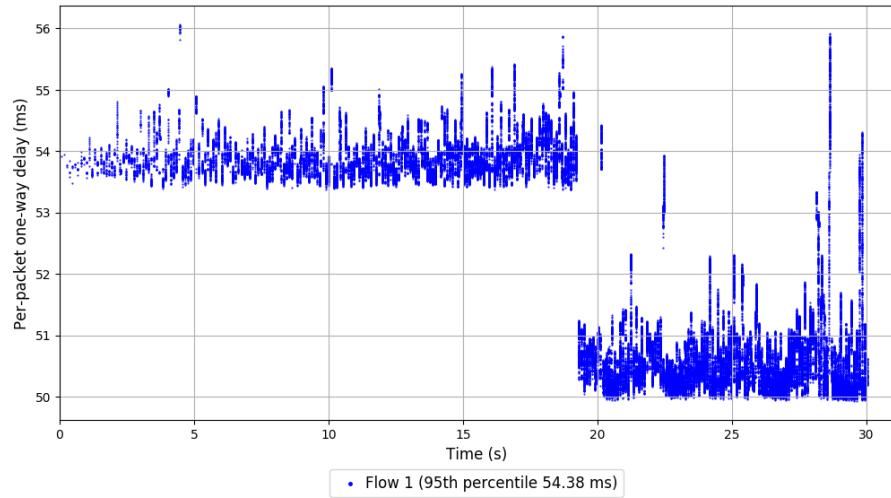
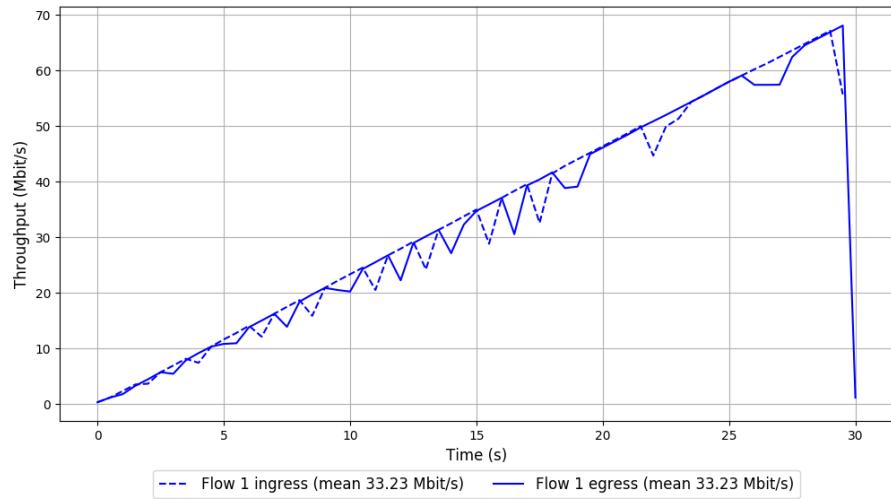
Run 8: Statistics of LEDBAT

Start at: 2018-03-20 17:47:32

End at: 2018-03-20 17:48:02

```
# Below is generated by plot.py at 2018-03-20 20:05:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.23 Mbit/s
95th percentile per-packet one-way delay: 54.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.23 Mbit/s
95th percentile per-packet one-way delay: 54.384 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link



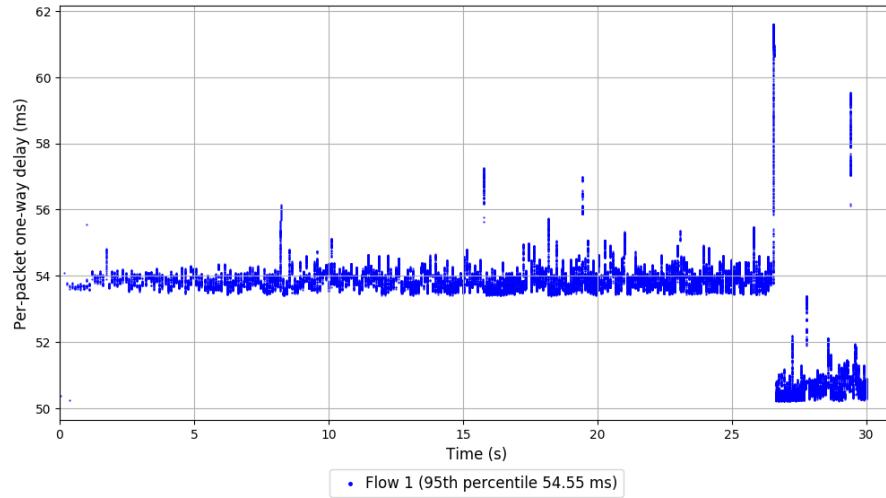
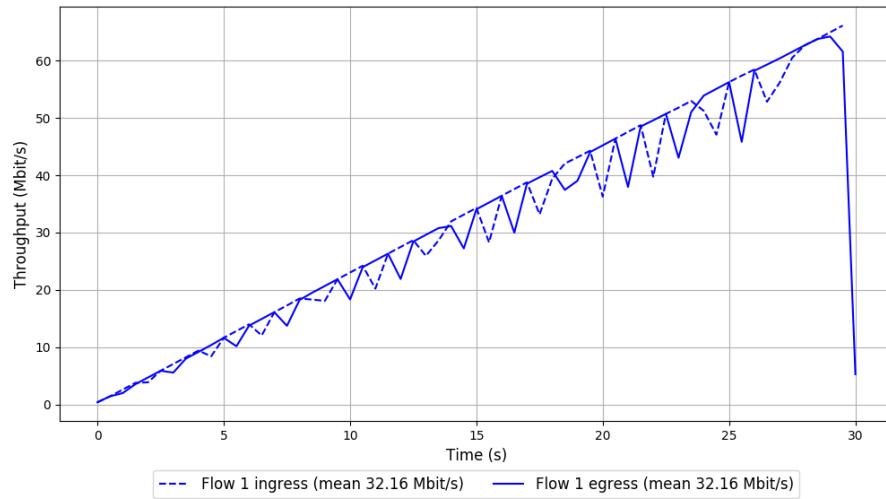
Run 9: Statistics of LEDBAT

Start at: 2018-03-20 18:01:55

End at: 2018-03-20 18:02:25

```
# Below is generated by plot.py at 2018-03-20 20:05:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.16 Mbit/s
95th percentile per-packet one-way delay: 54.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.16 Mbit/s
95th percentile per-packet one-way delay: 54.545 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link



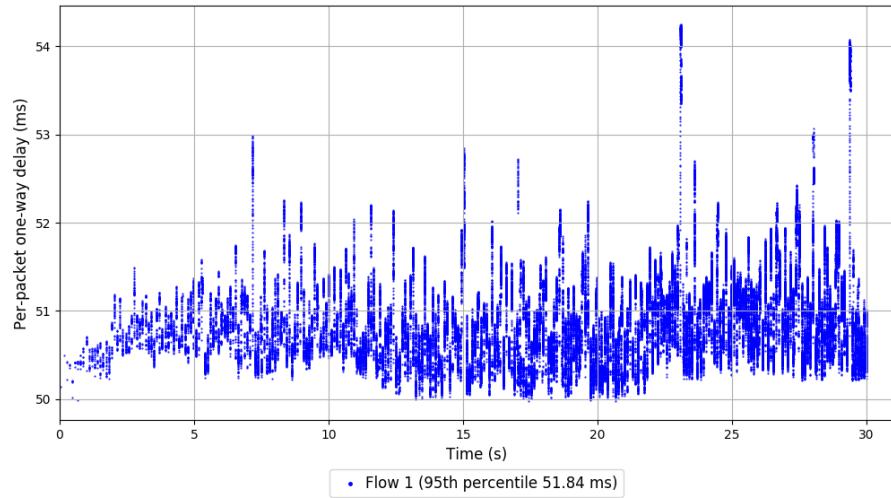
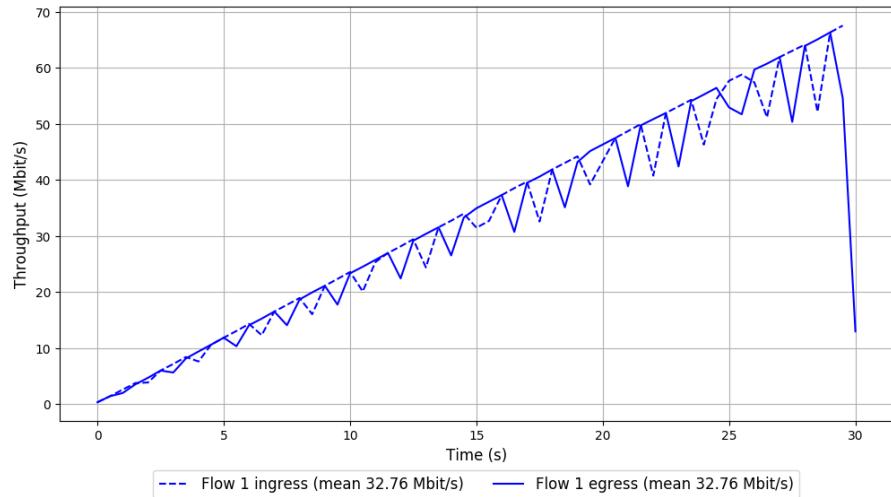
Run 10: Statistics of LEDBAT

Start at: 2018-03-20 18:16:19

End at: 2018-03-20 18:16:49

```
# Below is generated by plot.py at 2018-03-20 20:05:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.76 Mbit/s
95th percentile per-packet one-way delay: 51.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.76 Mbit/s
95th percentile per-packet one-way delay: 51.844 ms
Loss rate: 0.00%
```

## Run 10: Report of LEDBAT — Data Link

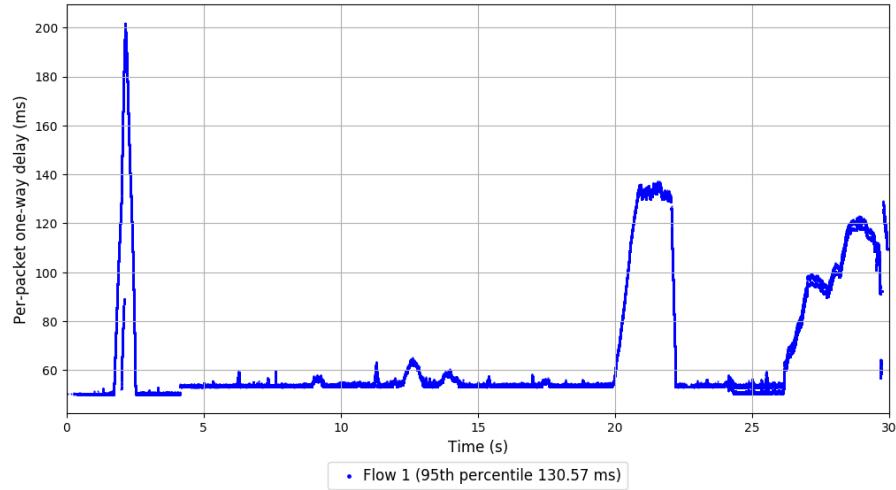
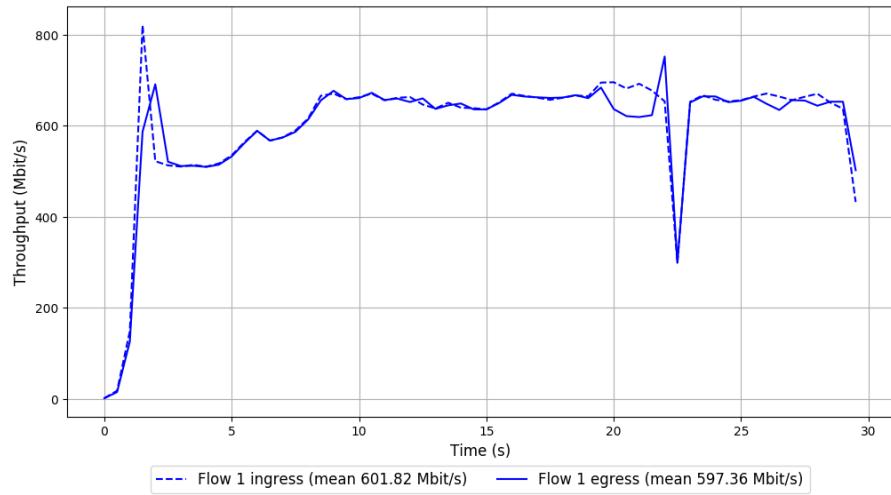


```
Run 1: Statistics of PCC

Start at: 2018-03-20 16:01:27
End at: 2018-03-20 16:01:57

# Below is generated by plot.py at 2018-03-20 20:14:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 597.36 Mbit/s
95th percentile per-packet one-way delay: 130.573 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 597.36 Mbit/s
95th percentile per-packet one-way delay: 130.573 ms
Loss rate: 0.73%
```

### Run 1: Report of PCC — Data Link



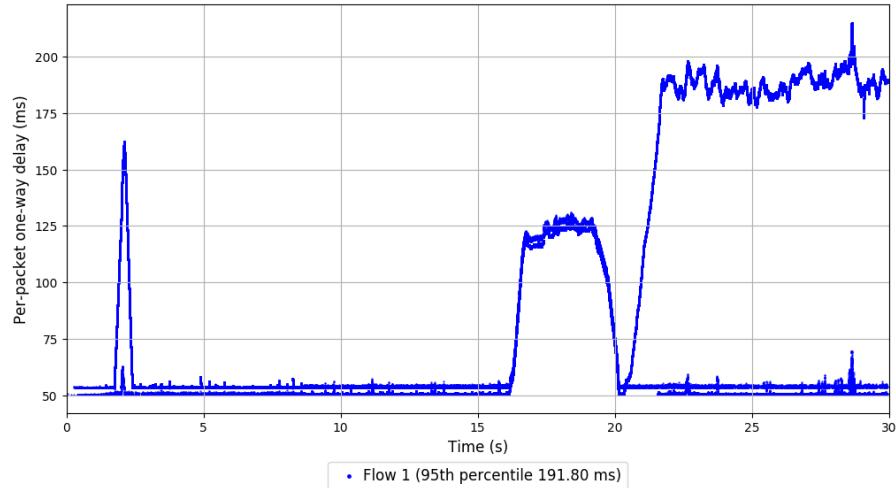
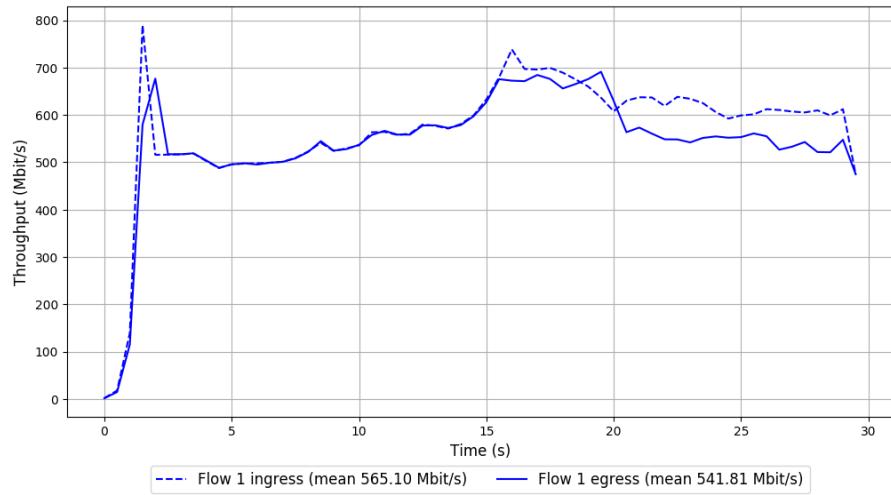
Run 2: Statistics of PCC

Start at: 2018-03-20 16:15:43

End at: 2018-03-20 16:16:13

```
# Below is generated by plot.py at 2018-03-20 20:14:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 541.81 Mbit/s
95th percentile per-packet one-way delay: 191.804 ms
Loss rate: 4.11%
-- Flow 1:
Average throughput: 541.81 Mbit/s
95th percentile per-packet one-way delay: 191.804 ms
Loss rate: 4.11%
```

## Run 2: Report of PCC — Data Link



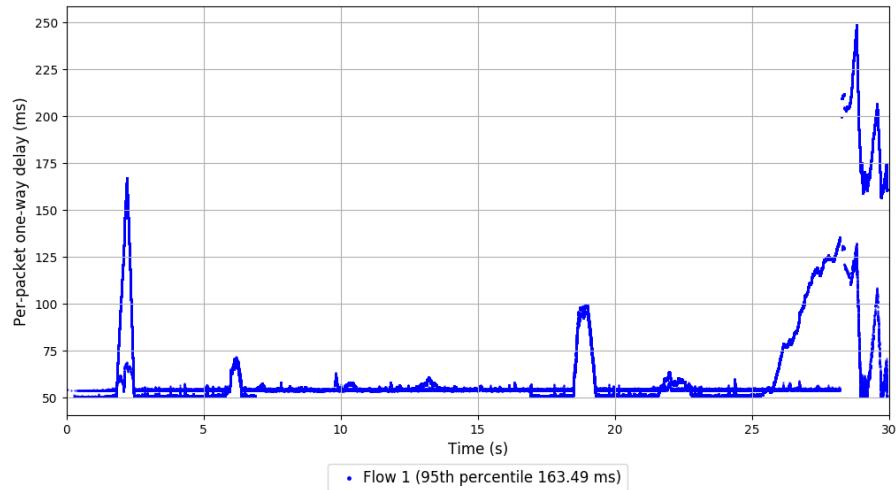
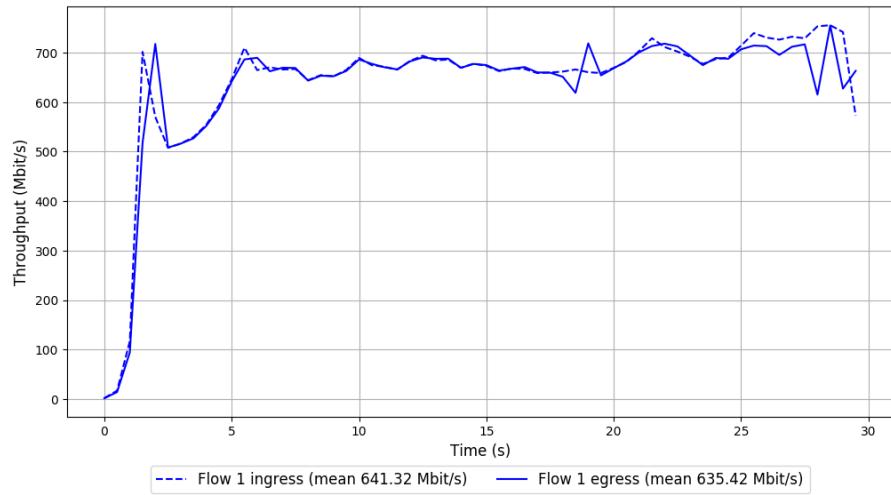
Run 3: Statistics of PCC

Start at: 2018-03-20 16:30:04

End at: 2018-03-20 16:30:34

```
# Below is generated by plot.py at 2018-03-20 20:14:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 635.42 Mbit/s
95th percentile per-packet one-way delay: 163.494 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 635.42 Mbit/s
95th percentile per-packet one-way delay: 163.494 ms
Loss rate: 0.93%
```

### Run 3: Report of PCC — Data Link



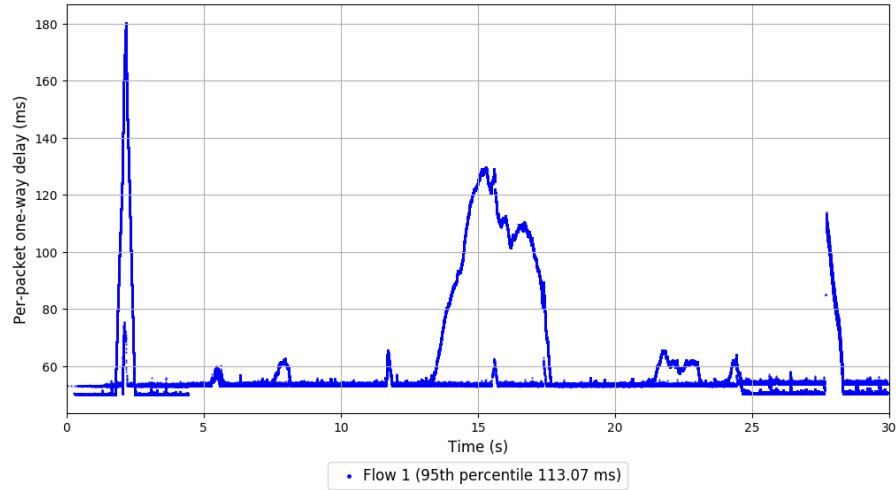
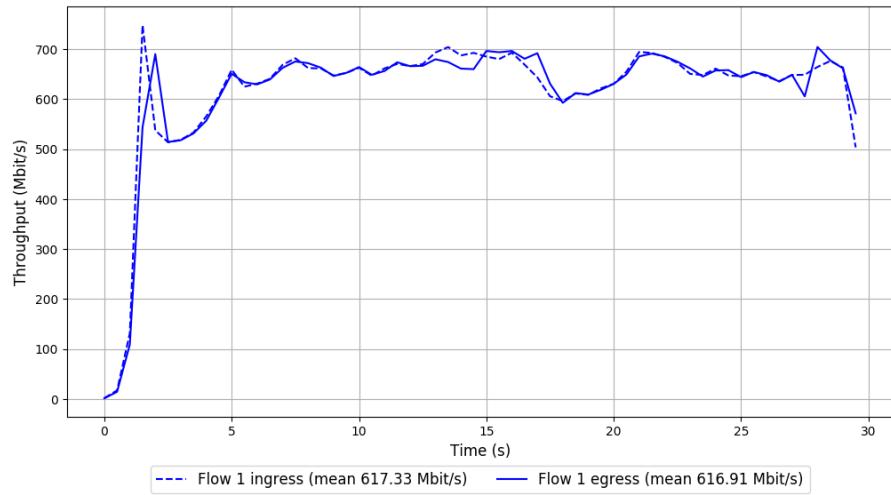
Run 4: Statistics of PCC

Start at: 2018-03-20 16:44:37

End at: 2018-03-20 16:45:07

```
# Below is generated by plot.py at 2018-03-20 20:14:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 616.91 Mbit/s
95th percentile per-packet one-way delay: 113.074 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 616.91 Mbit/s
95th percentile per-packet one-way delay: 113.074 ms
Loss rate: 0.07%
```

## Run 4: Report of PCC — Data Link



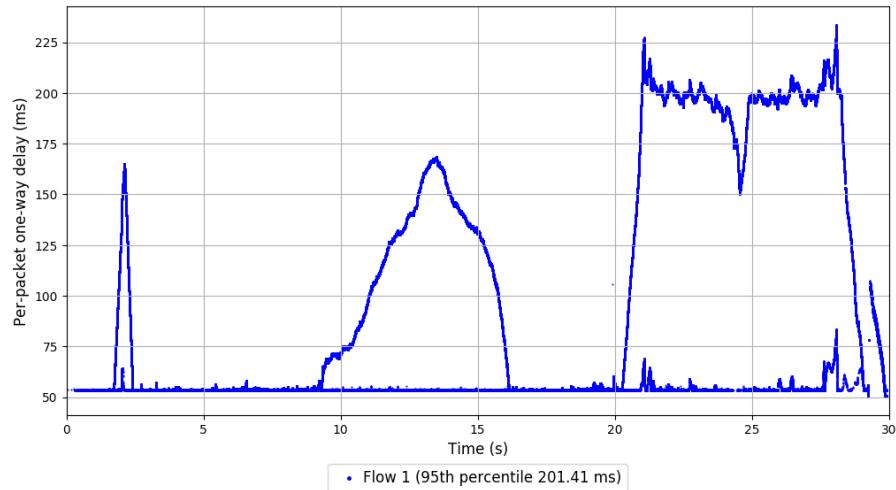
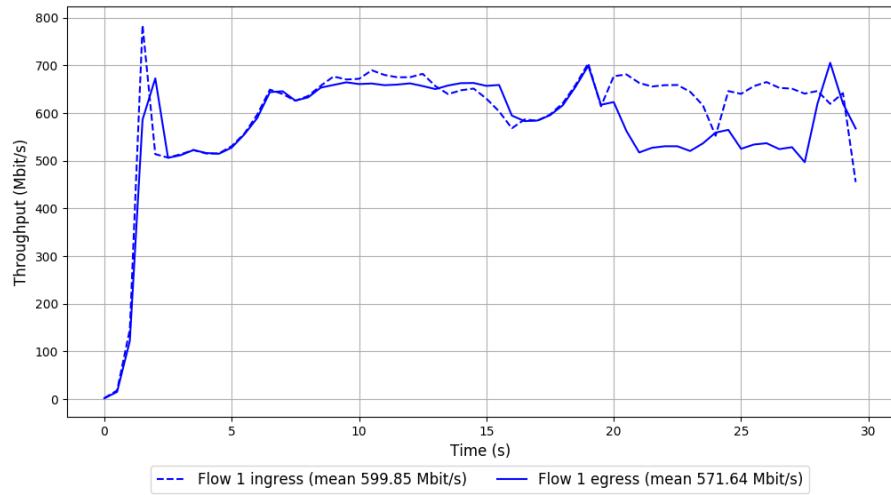
Run 5: Statistics of PCC

Start at: 2018-03-20 16:58:52

End at: 2018-03-20 16:59:22

```
# Below is generated by plot.py at 2018-03-20 20:14:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 571.64 Mbit/s
95th percentile per-packet one-way delay: 201.410 ms
Loss rate: 4.70%
-- Flow 1:
Average throughput: 571.64 Mbit/s
95th percentile per-packet one-way delay: 201.410 ms
Loss rate: 4.70%
```

### Run 5: Report of PCC — Data Link



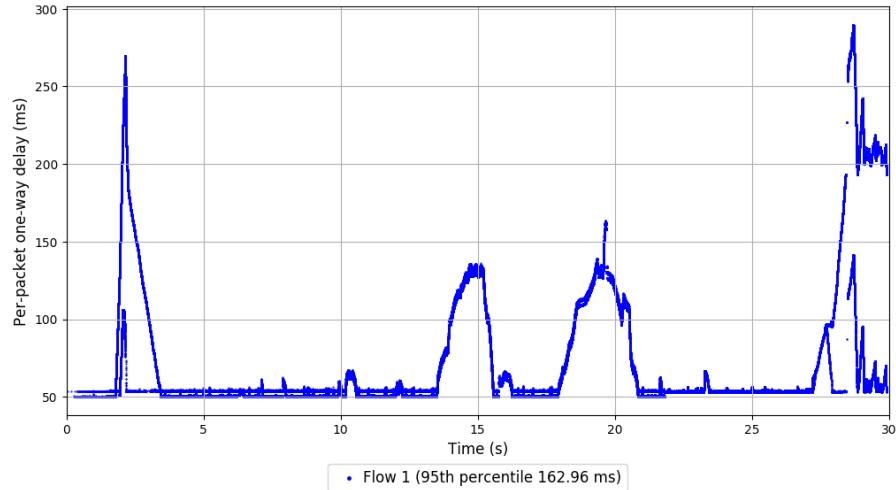
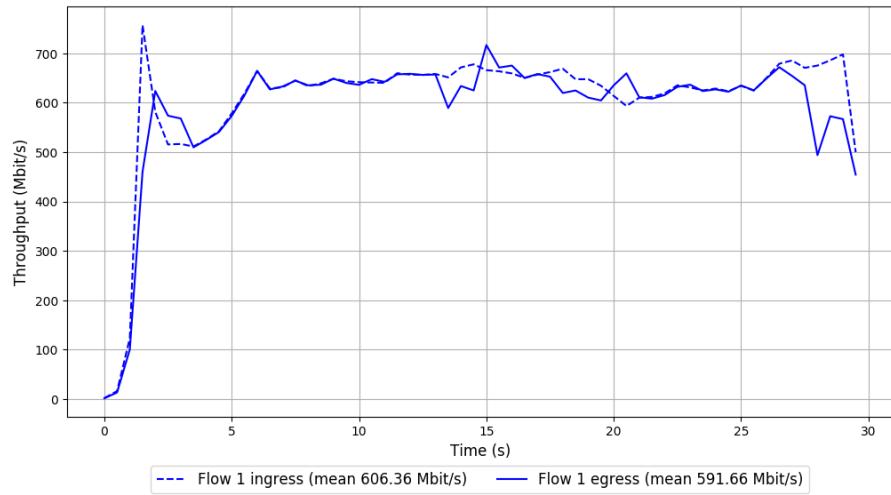
Run 6: Statistics of PCC

Start at: 2018-03-20 17:13:09

End at: 2018-03-20 17:13:39

```
# Below is generated by plot.py at 2018-03-20 20:14:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 591.66 Mbit/s
95th percentile per-packet one-way delay: 162.955 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 591.66 Mbit/s
95th percentile per-packet one-way delay: 162.955 ms
Loss rate: 2.42%
```

## Run 6: Report of PCC — Data Link



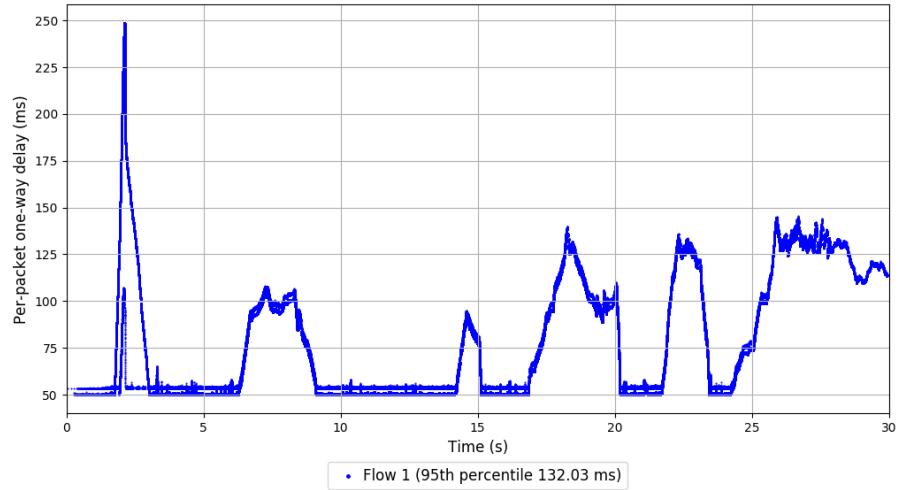
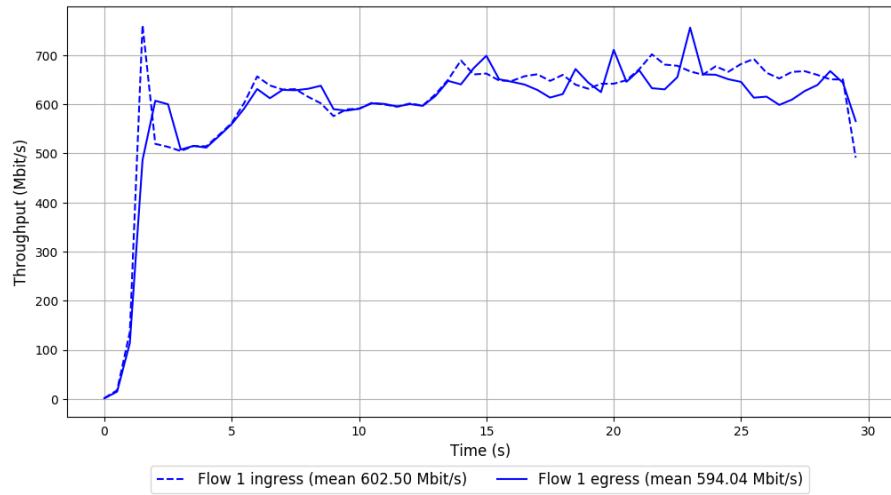
Run 7: Statistics of PCC

Start at: 2018-03-20 17:27:24

End at: 2018-03-20 17:27:54

```
# Below is generated by plot.py at 2018-03-20 20:14:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 594.04 Mbit/s
95th percentile per-packet one-way delay: 132.033 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 594.04 Mbit/s
95th percentile per-packet one-way delay: 132.033 ms
Loss rate: 1.40%
```

## Run 7: Report of PCC — Data Link



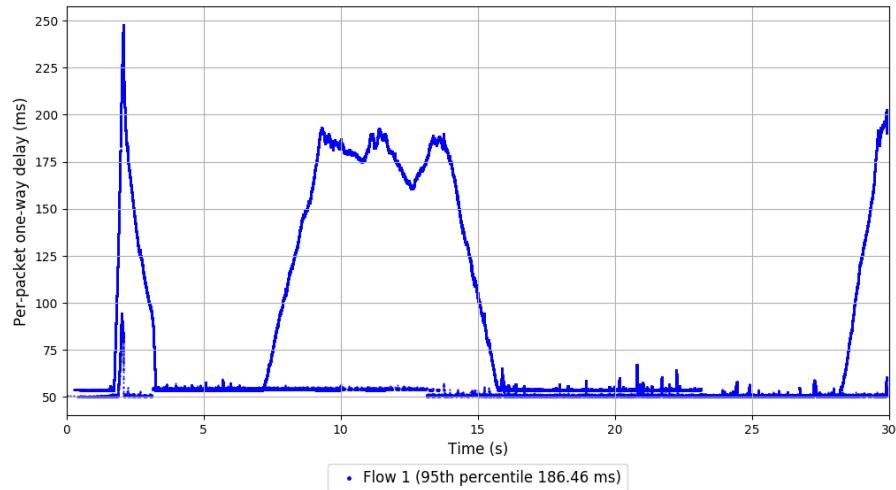
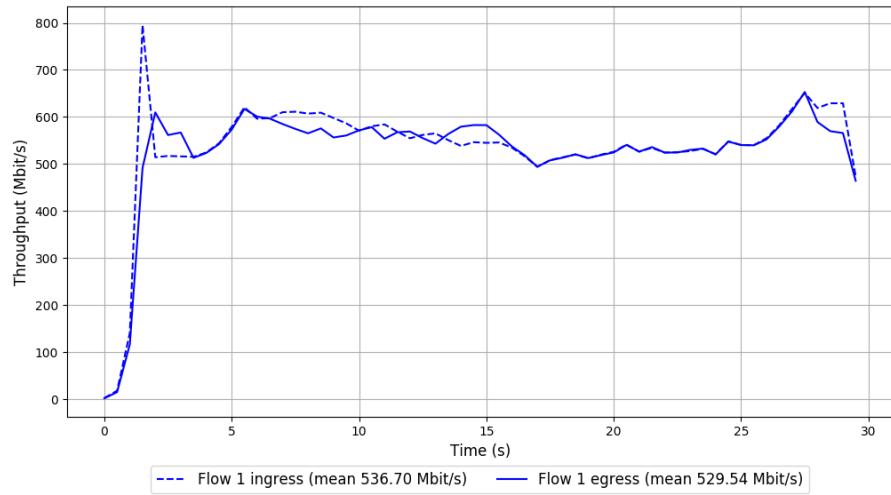
Run 8: Statistics of PCC

Start at: 2018-03-20 17:41:58

End at: 2018-03-20 17:42:28

```
# Below is generated by plot.py at 2018-03-20 20:14:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 529.54 Mbit/s
95th percentile per-packet one-way delay: 186.462 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 529.54 Mbit/s
95th percentile per-packet one-way delay: 186.462 ms
Loss rate: 1.32%
```

### Run 8: Report of PCC — Data Link



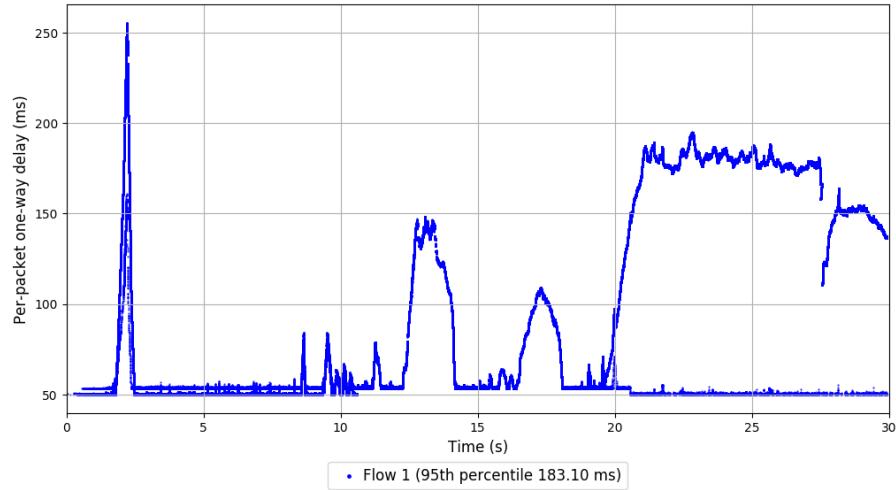
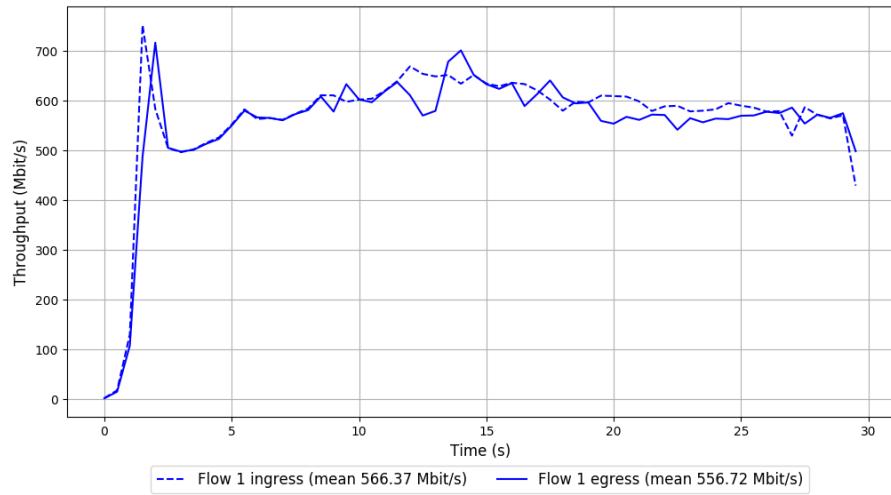
Run 9: Statistics of PCC

Start at: 2018-03-20 17:56:21

End at: 2018-03-20 17:56:51

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 556.72 Mbit/s
95th percentile per-packet one-way delay: 183.103 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 556.72 Mbit/s
95th percentile per-packet one-way delay: 183.103 ms
Loss rate: 1.70%
```

Run 9: Report of PCC — Data Link



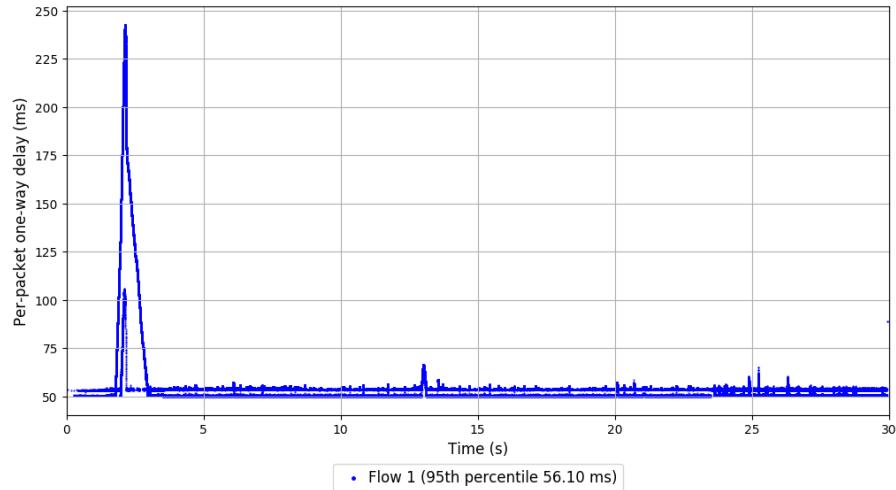
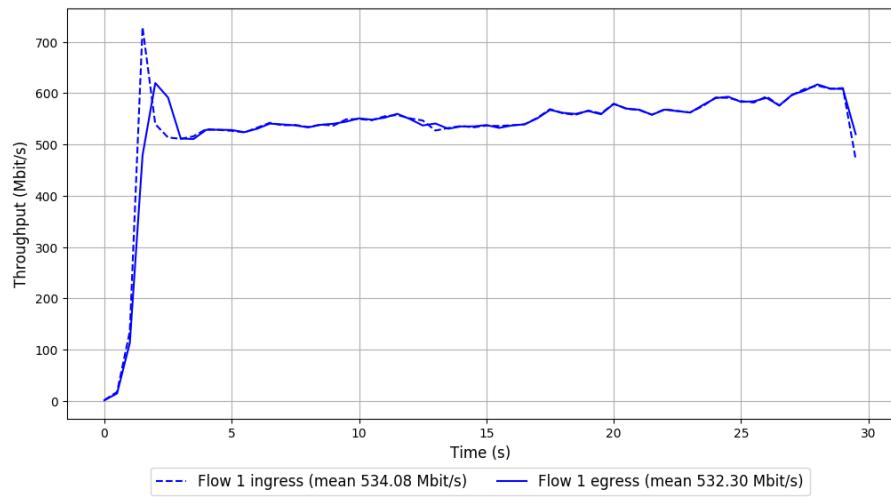
Run 10: Statistics of PCC

Start at: 2018-03-20 18:10:48

End at: 2018-03-20 18:11:18

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 532.30 Mbit/s
95th percentile per-packet one-way delay: 56.097 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 532.30 Mbit/s
95th percentile per-packet one-way delay: 56.097 ms
Loss rate: 0.25%
```

Run 10: Report of PCC — Data Link

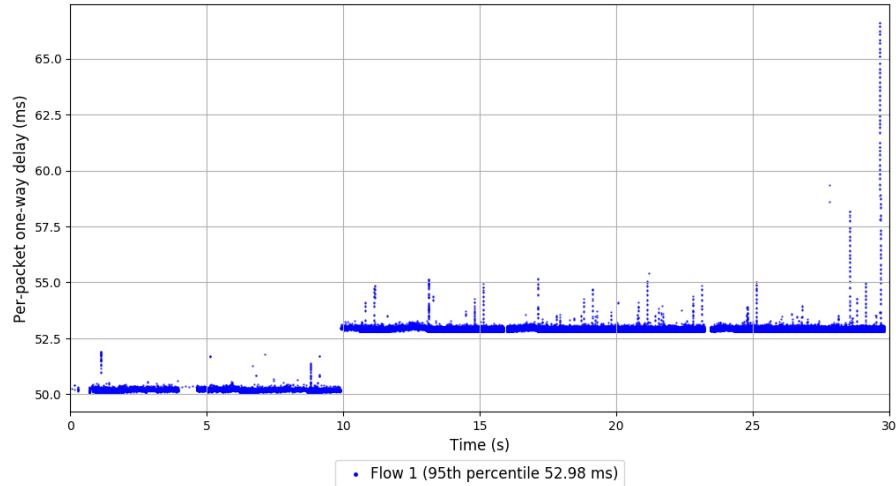
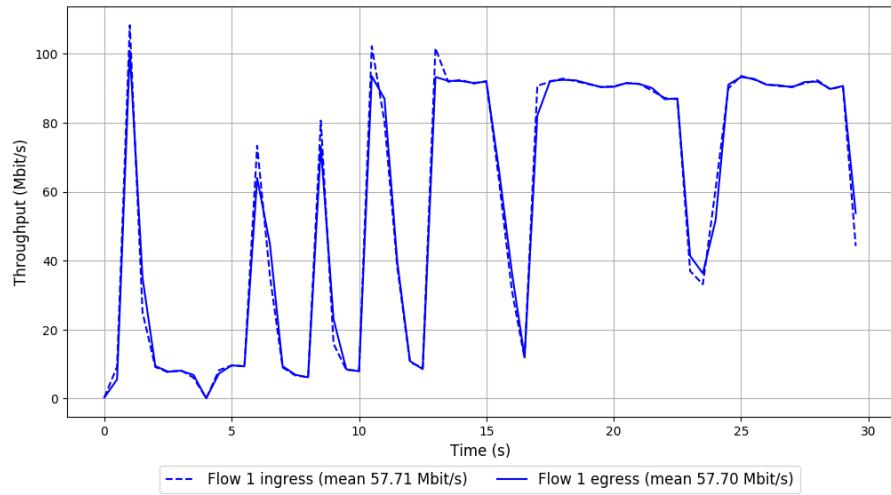


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-03-20 16:07:41
End at: 2018-03-20 16:08:11

# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 52.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 52.982 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link



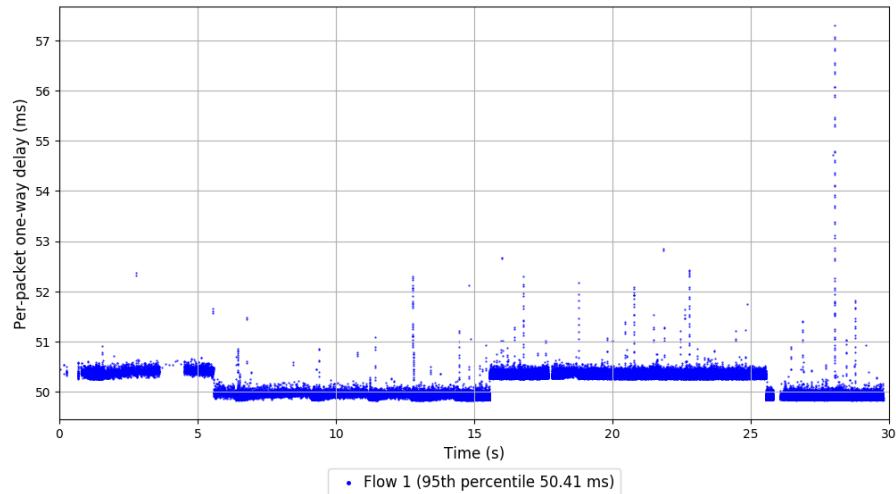
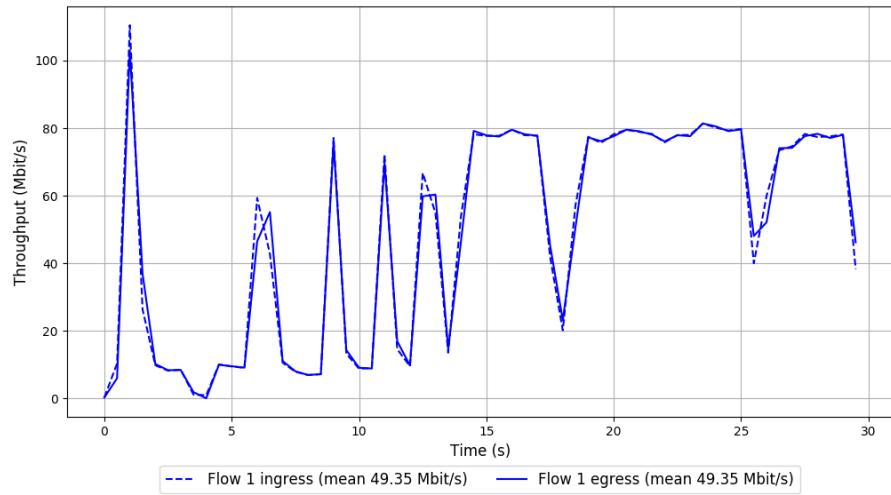
Run 2: Statistics of QUIC Cubic

Start at: 2018-03-20 16:21:55

End at: 2018-03-20 16:22:25

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.35 Mbit/s
95th percentile per-packet one-way delay: 50.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.35 Mbit/s
95th percentile per-packet one-way delay: 50.406 ms
Loss rate: 0.00%
```

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

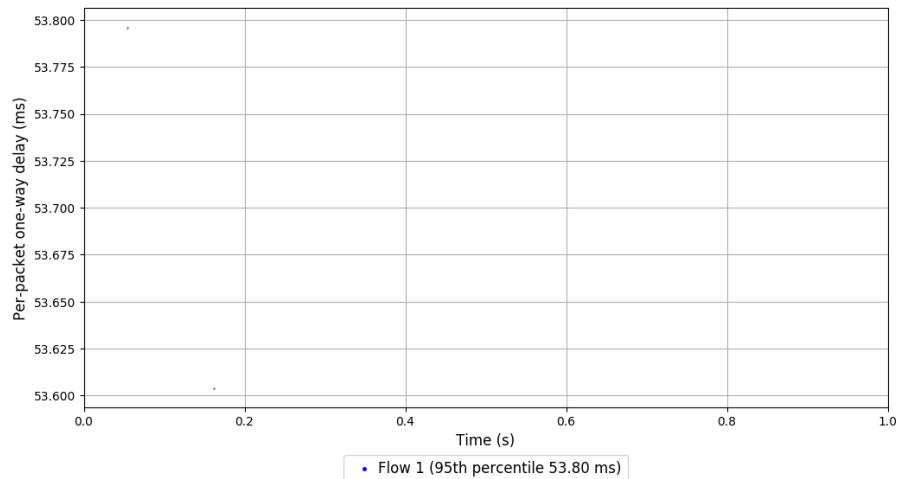
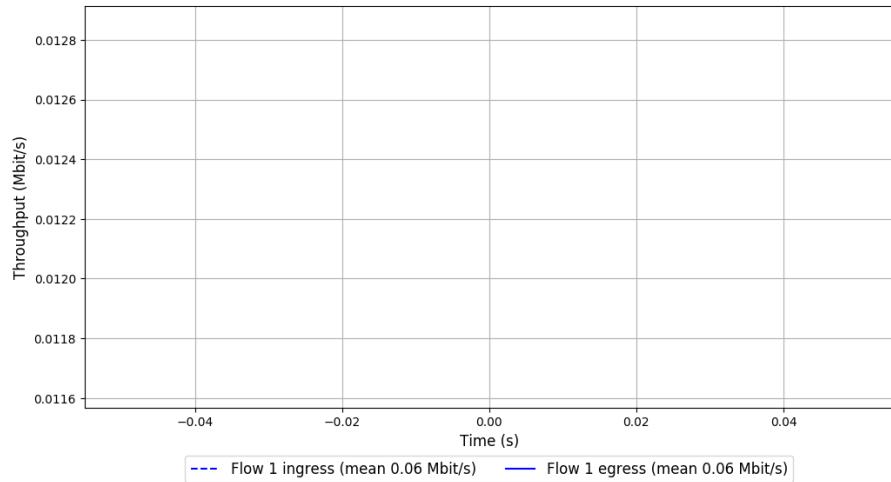


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-20 16:36:18

End at: 2018-03-20 16:36:48

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



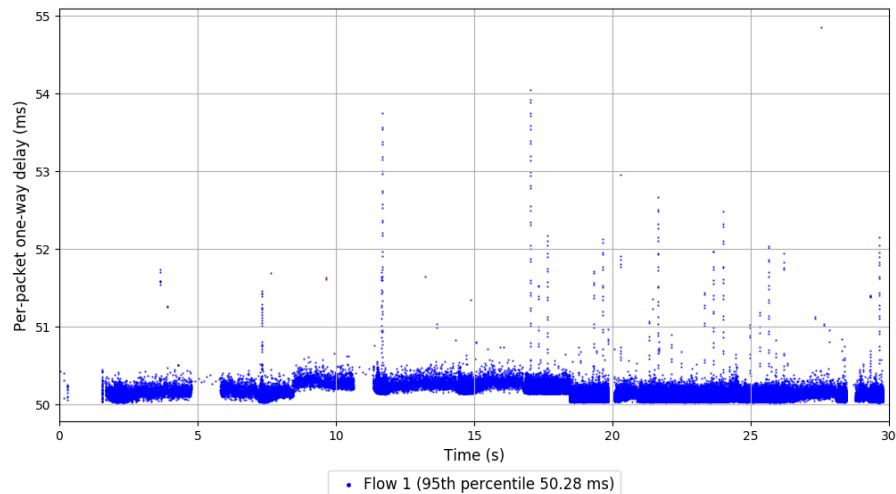
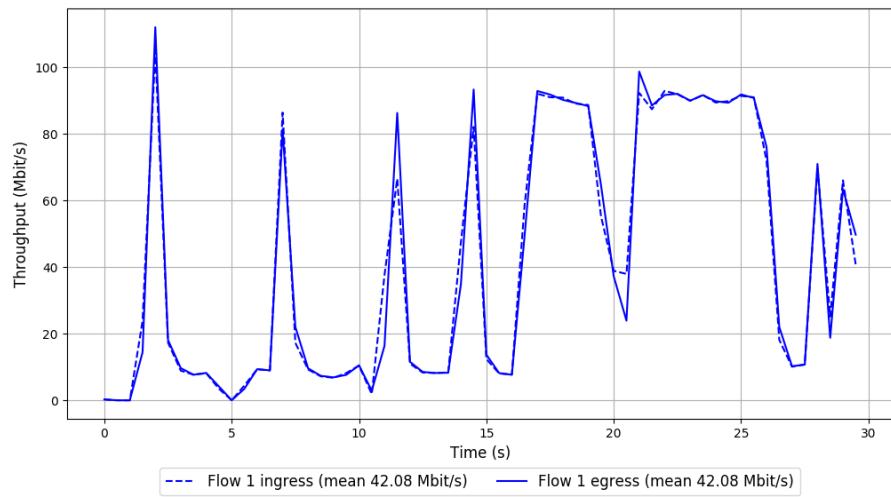
Run 4: Statistics of QUIC Cubic

Start at: 2018-03-20 16:50:53

End at: 2018-03-20 16:51:23

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.08 Mbit/s
95th percentile per-packet one-way delay: 50.280 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.08 Mbit/s
95th percentile per-packet one-way delay: 50.280 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

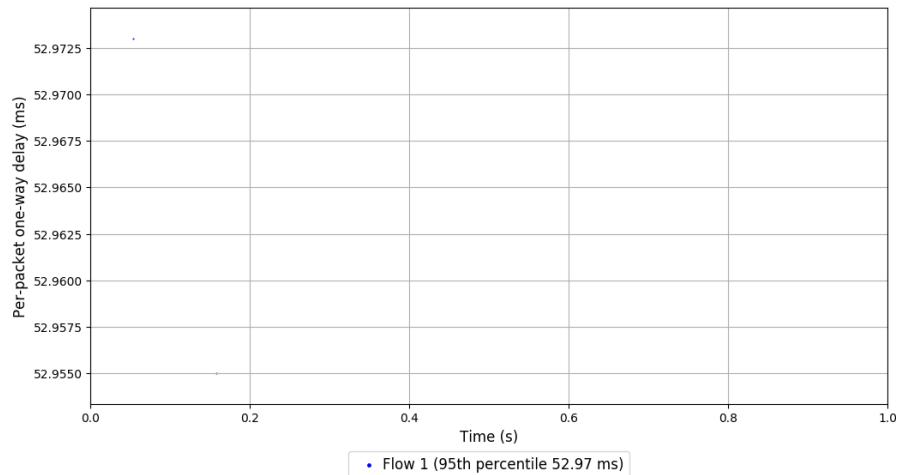
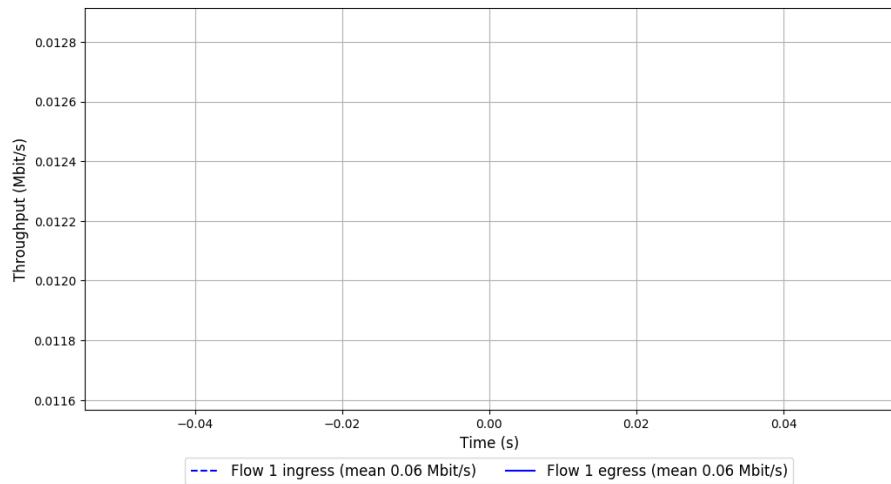


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-20 17:05:06

End at: 2018-03-20 17:05:36

Run 5: Report of QUIC Cubic — Data Link

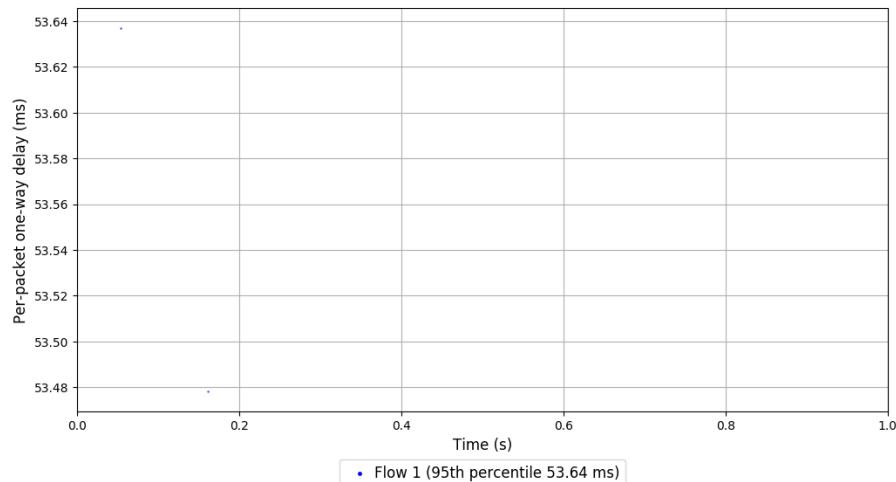
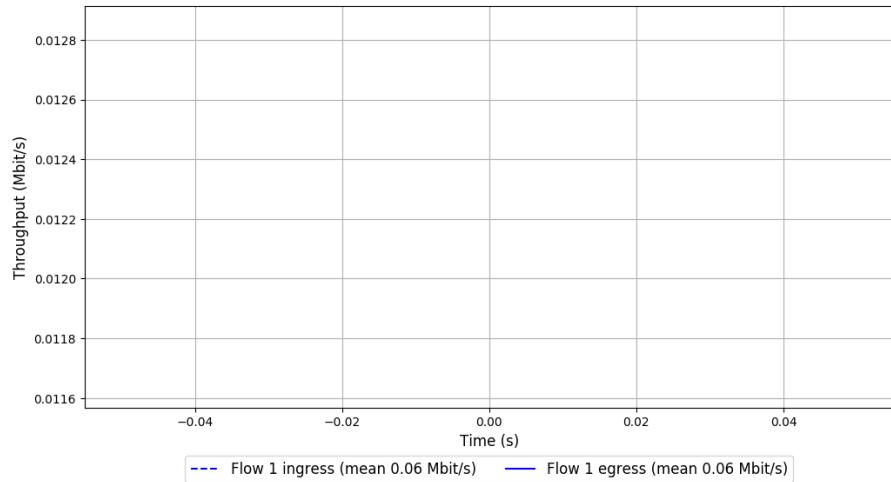


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-20 17:19:23

End at: 2018-03-20 17:19:53

Run 6: Report of QUIC Cubic — Data Link



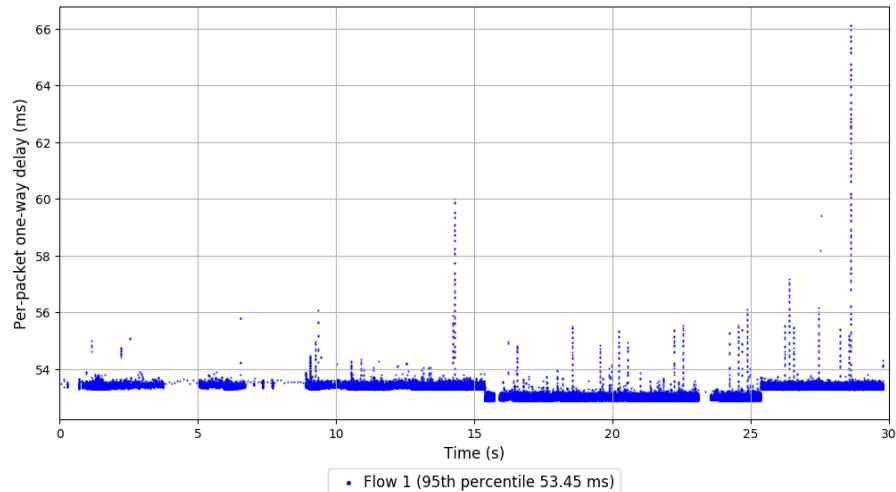
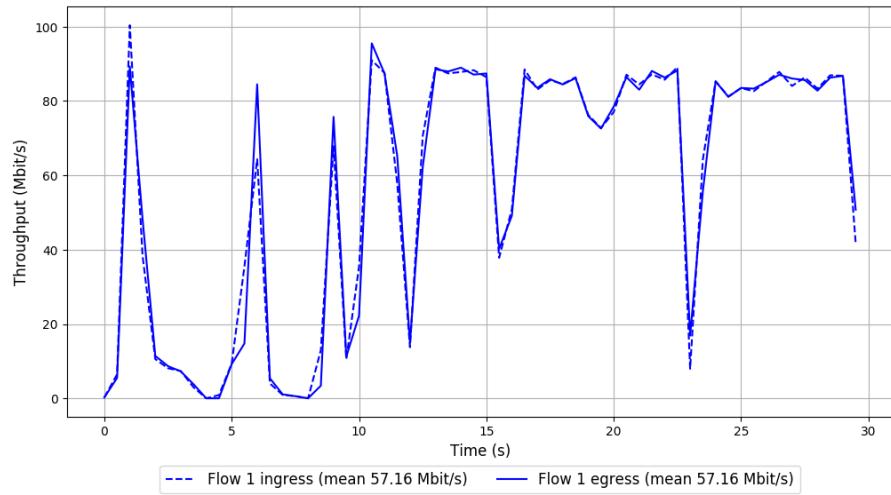
Run 7: Statistics of QUIC Cubic

Start at: 2018-03-20 17:33:36

End at: 2018-03-20 17:34:06

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.16 Mbit/s
95th percentile per-packet one-way delay: 53.454 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 57.16 Mbit/s
95th percentile per-packet one-way delay: 53.454 ms
Loss rate: 0.01%
```

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



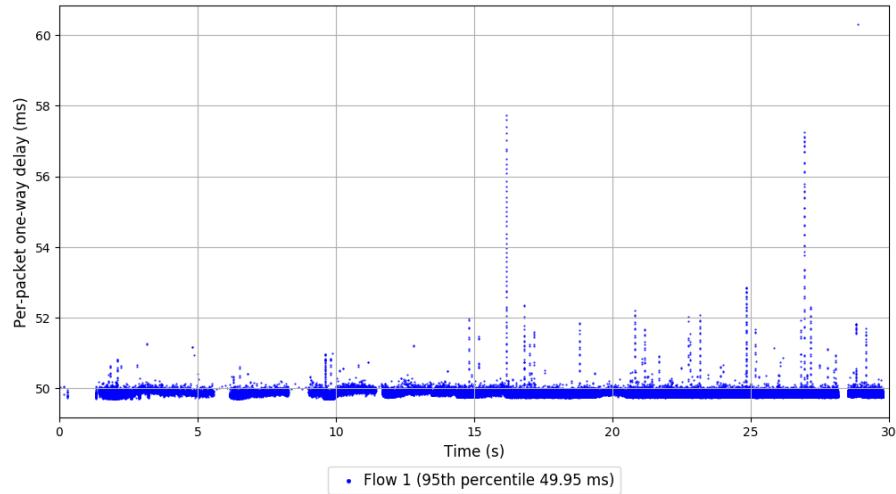
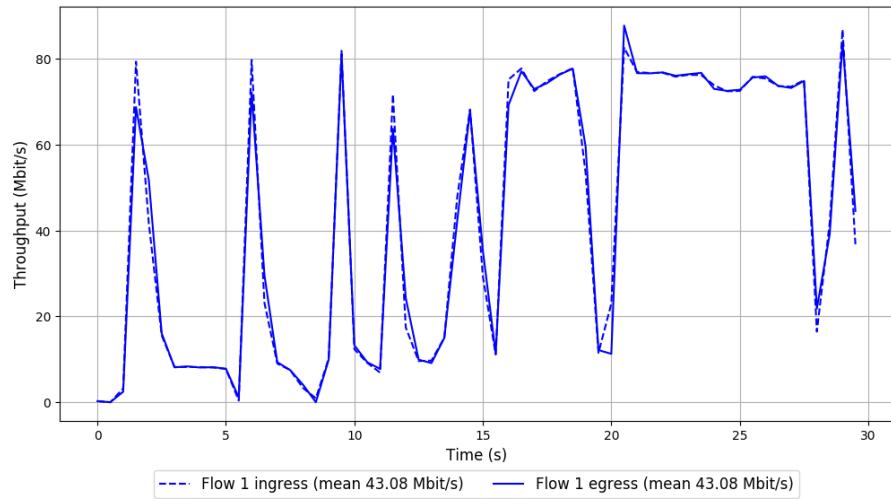
Run 8: Statistics of QUIC Cubic

Start at: 2018-03-20 17:48:11

End at: 2018-03-20 17:48:41

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.08 Mbit/s
95th percentile per-packet one-way delay: 49.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.08 Mbit/s
95th percentile per-packet one-way delay: 49.953 ms
Loss rate: 0.00%
```

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

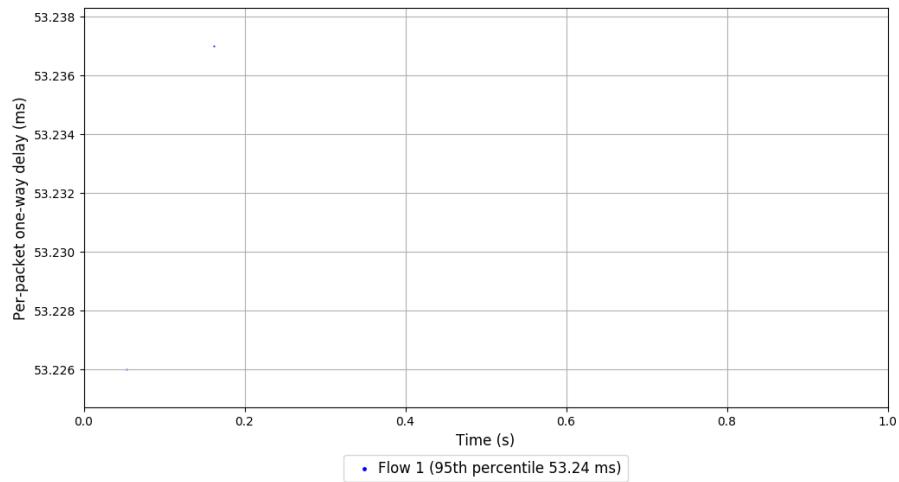
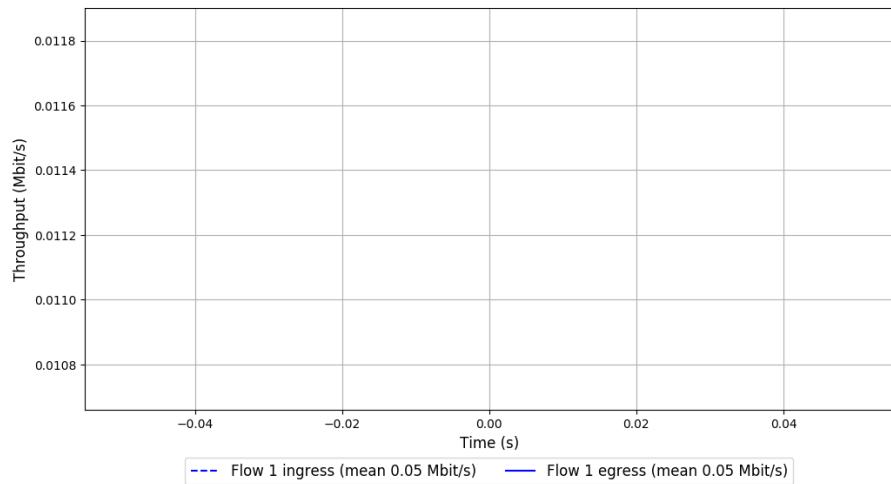


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-20 18:02:34

End at: 2018-03-20 18:03:04

Run 9: Report of QUIC Cubic — Data Link

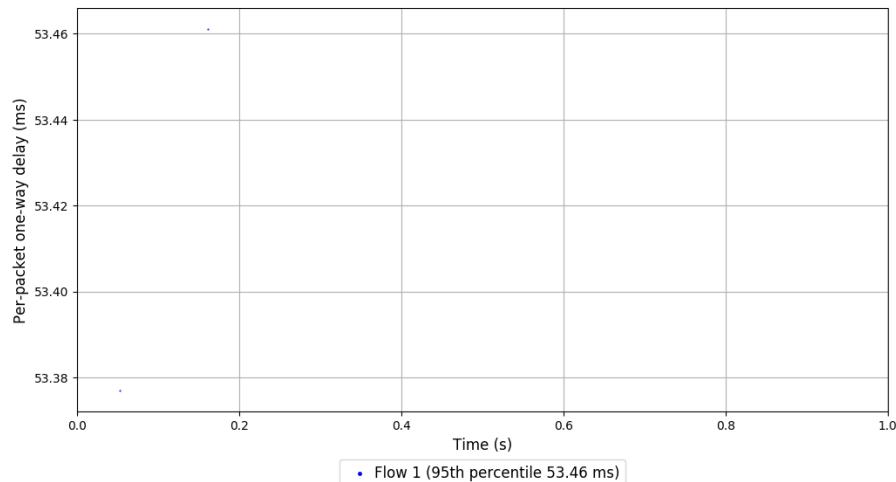
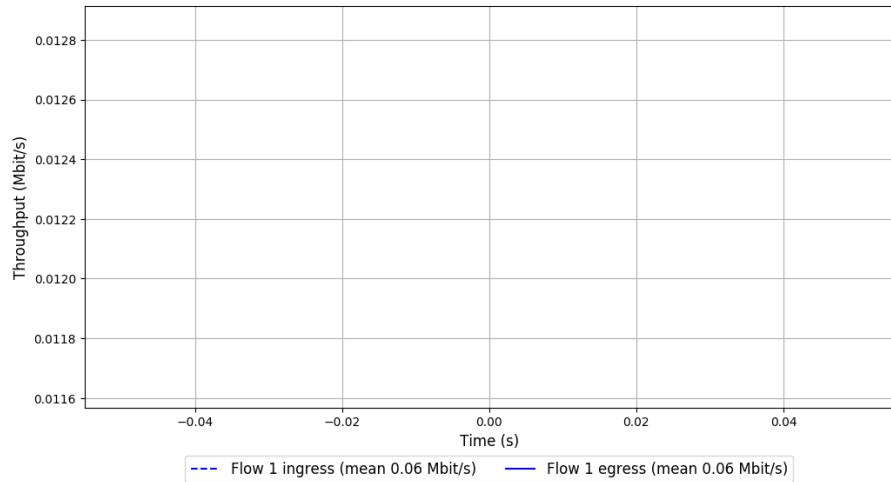


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-20 18:16:58

End at: 2018-03-20 18:17:28

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

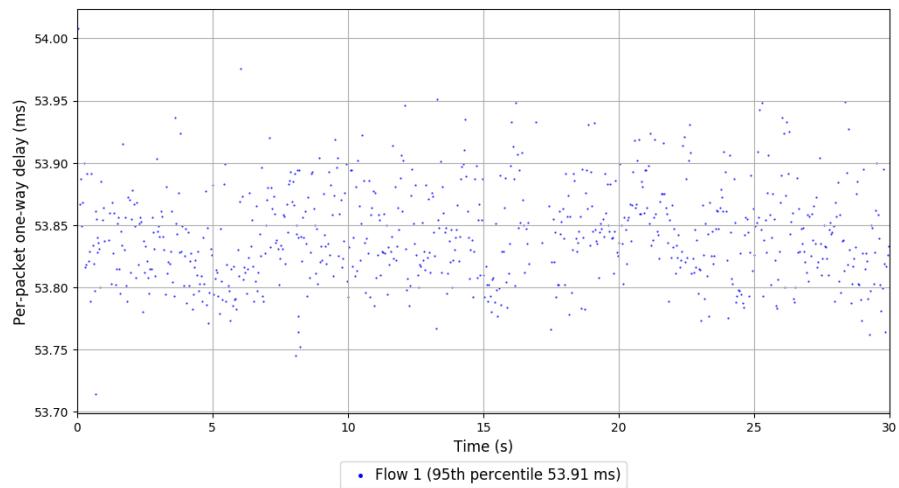
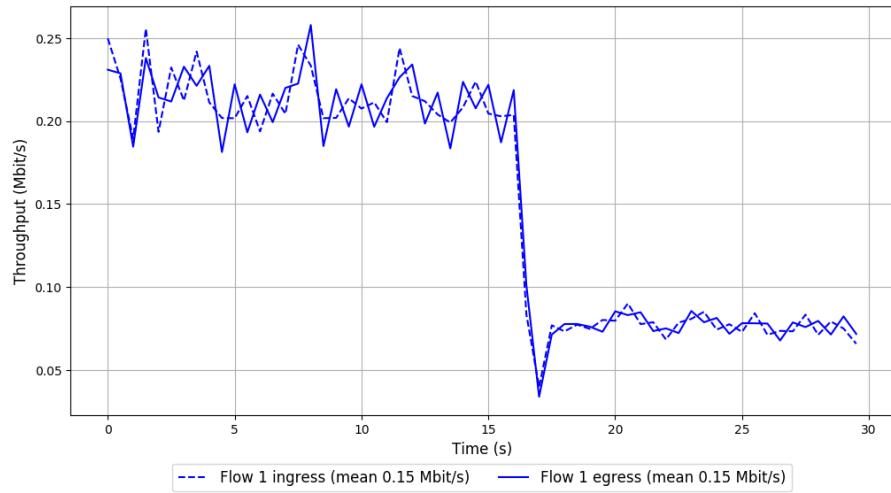


```
Run 1: Statistics of SCReAM

Start at: 2018-03-20 16:05:03
End at: 2018-03-20 16:05:33

# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 53.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 53.908 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link



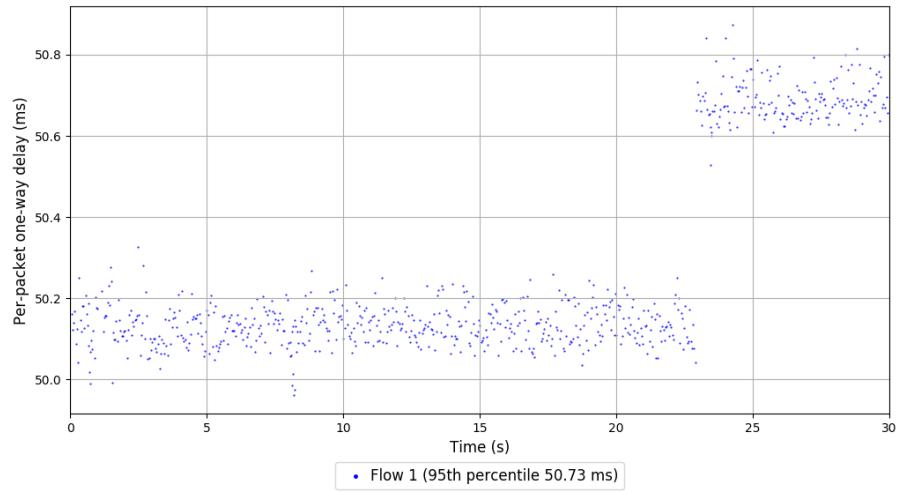
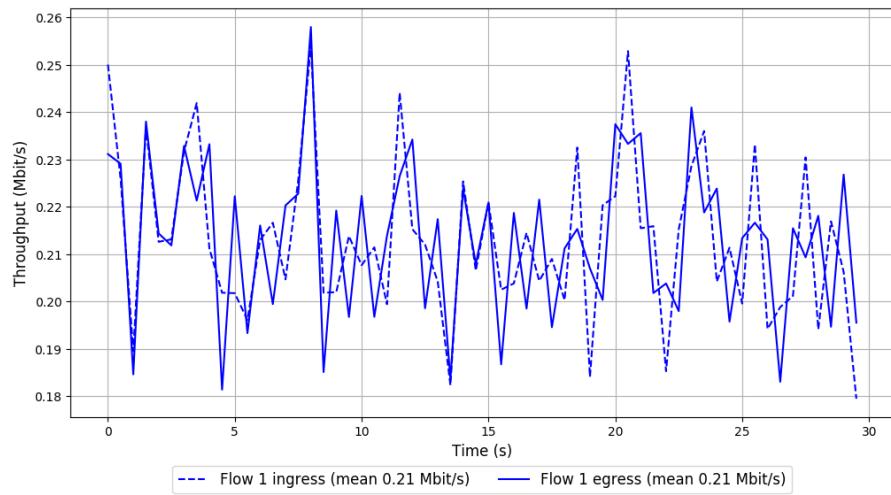
Run 2: Statistics of SCReAM

Start at: 2018-03-20 16:19:18

End at: 2018-03-20 16:19:48

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.730 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link



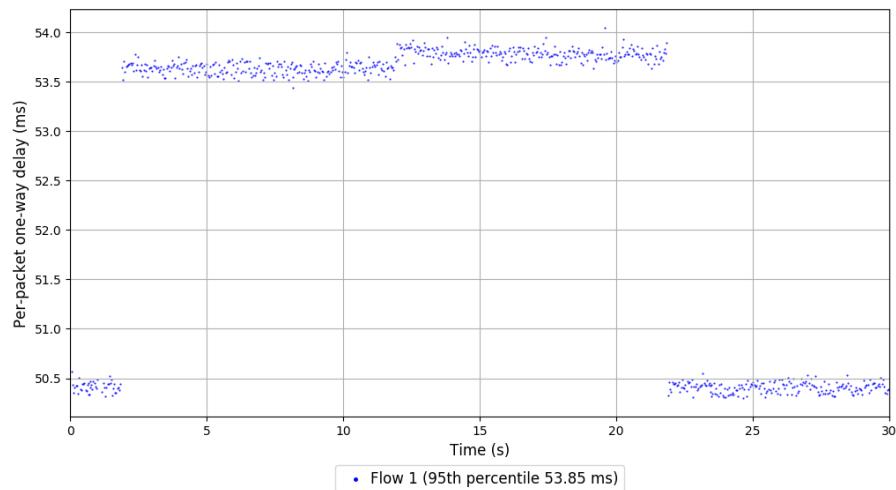
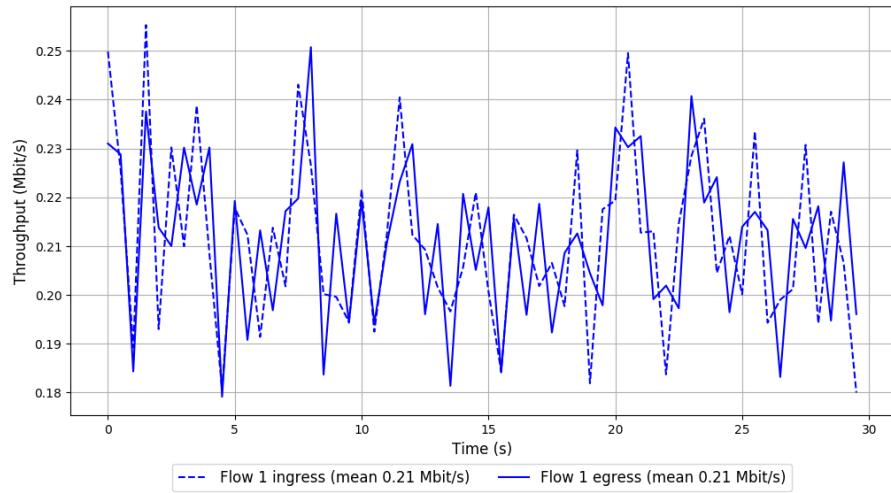
Run 3: Statistics of SCReAM

Start at: 2018-03-20 16:33:39

End at: 2018-03-20 16:34:09

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.846 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.846 ms
Loss rate: 0.00%
```

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



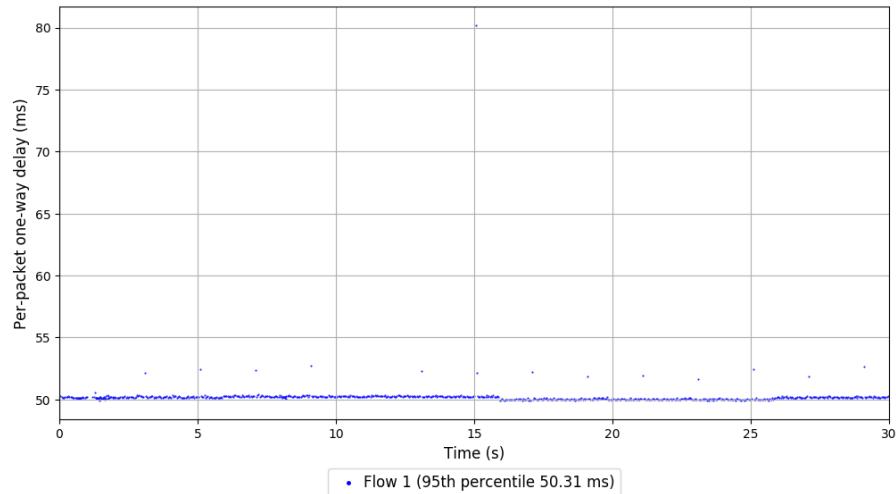
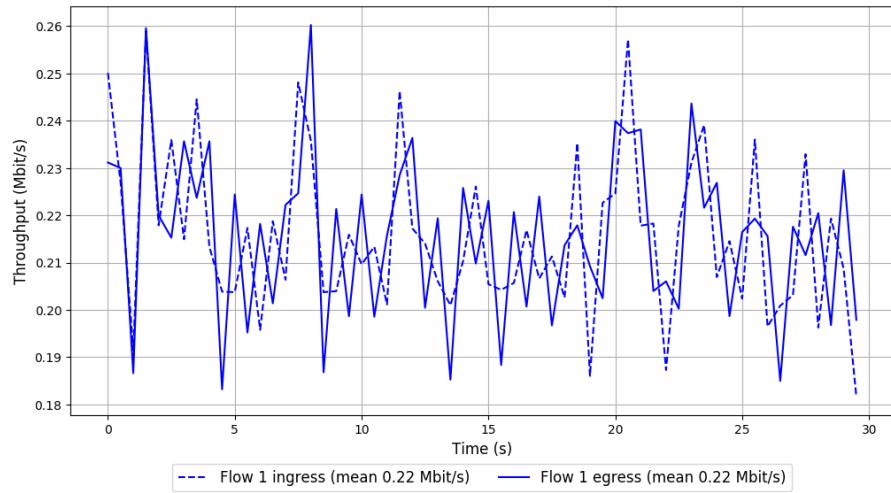
Run 4: Statistics of SCReAM

Start at: 2018-03-20 16:48:15

End at: 2018-03-20 16:48:45

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.315 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.315 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link



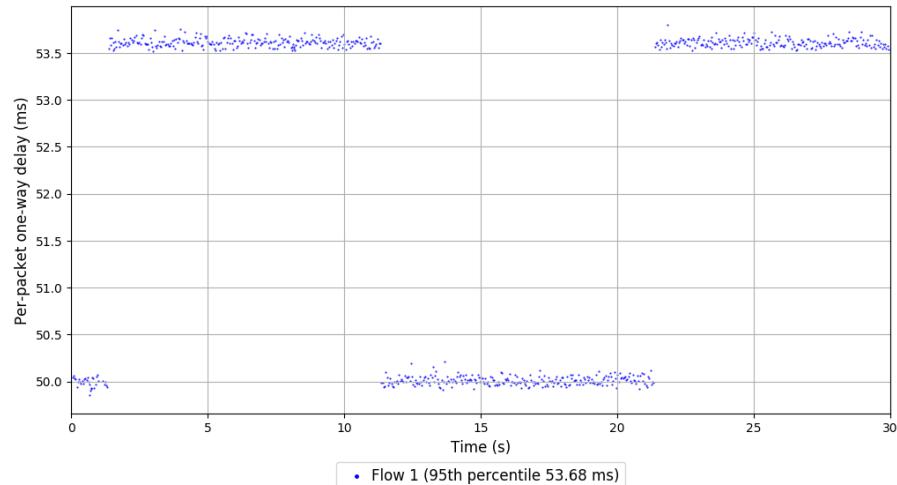
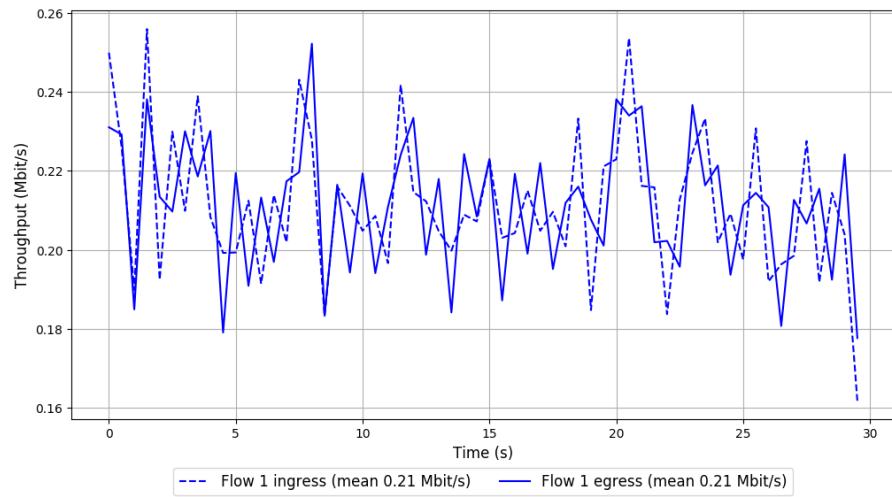
Run 5: Statistics of SCReAM

Start at: 2018-03-20 17:02:30

End at: 2018-03-20 17:03:00

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.676 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.676 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link



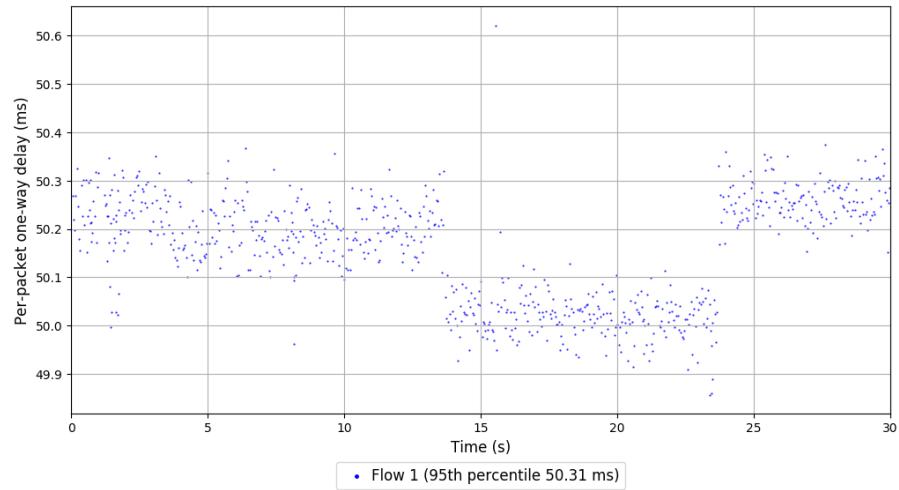
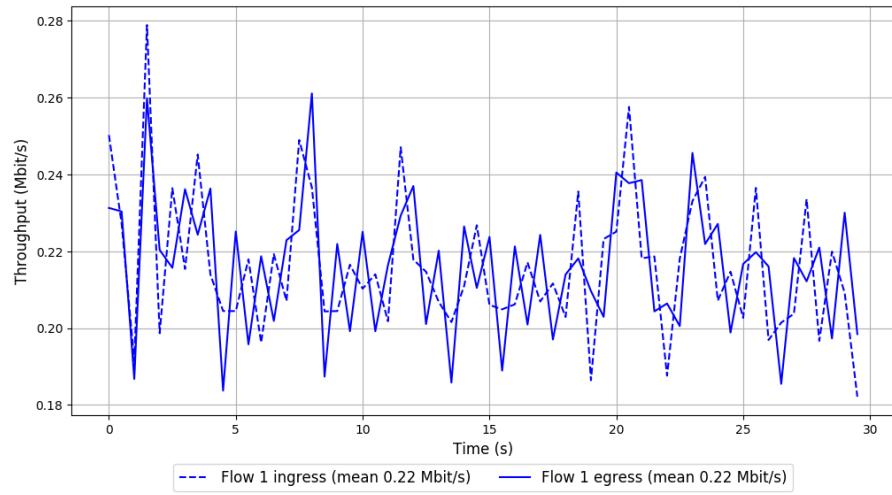
Run 6: Statistics of SCReAM

Start at: 2018-03-20 17:16:48

End at: 2018-03-20 17:17:18

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.310 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.310 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link



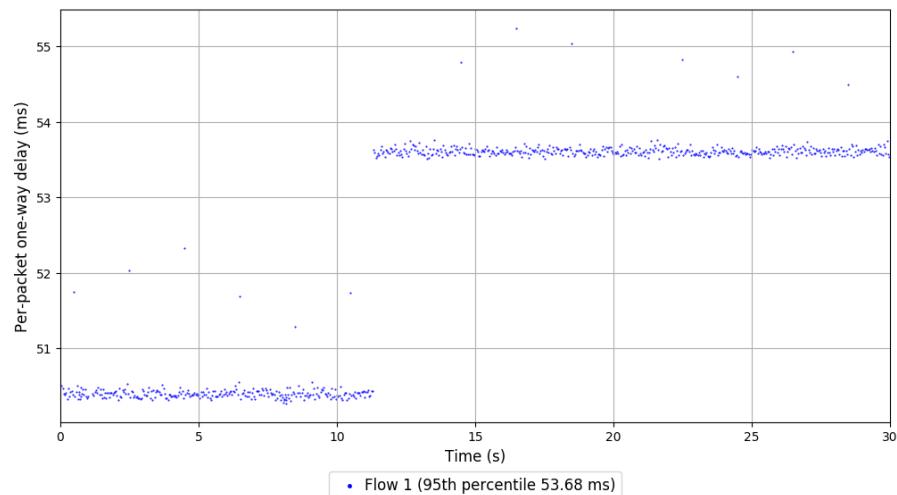
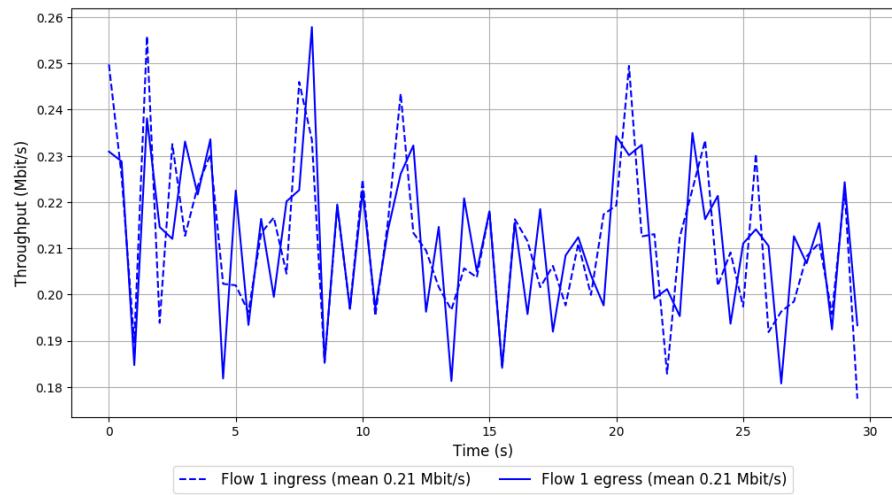
Run 7: Statistics of SCReAM

Start at: 2018-03-20 17:31:00

End at: 2018-03-20 17:31:30

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.682 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link



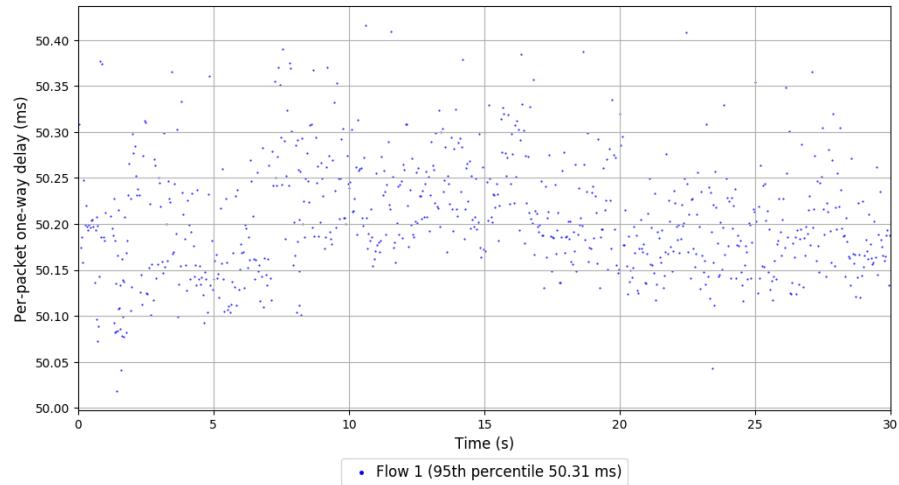
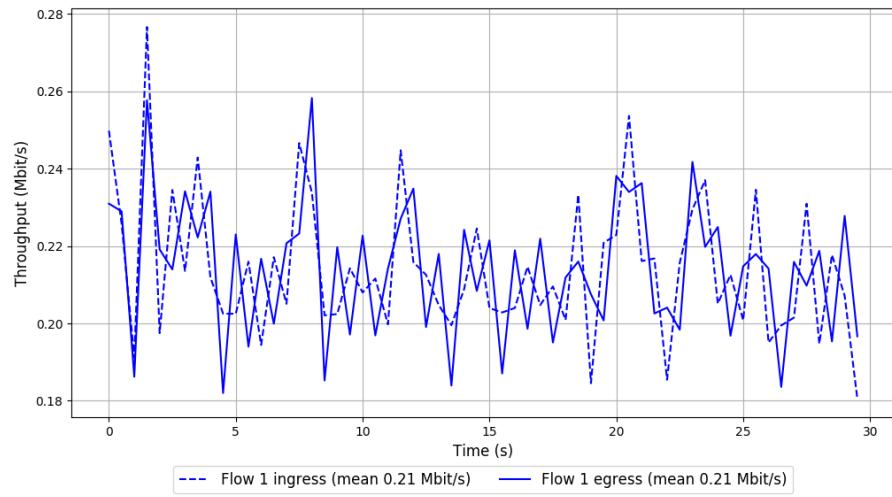
Run 8: Statistics of SCReAM

Start at: 2018-03-20 17:45:34

End at: 2018-03-20 17:46:04

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.314 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link



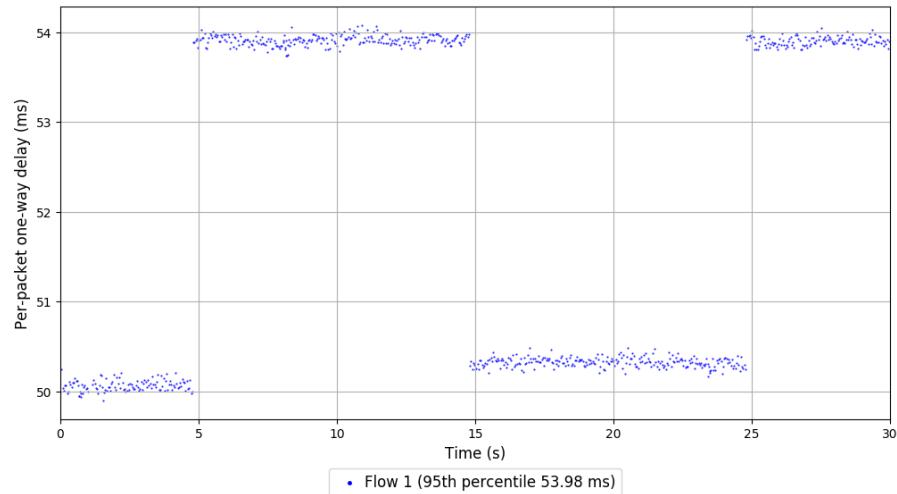
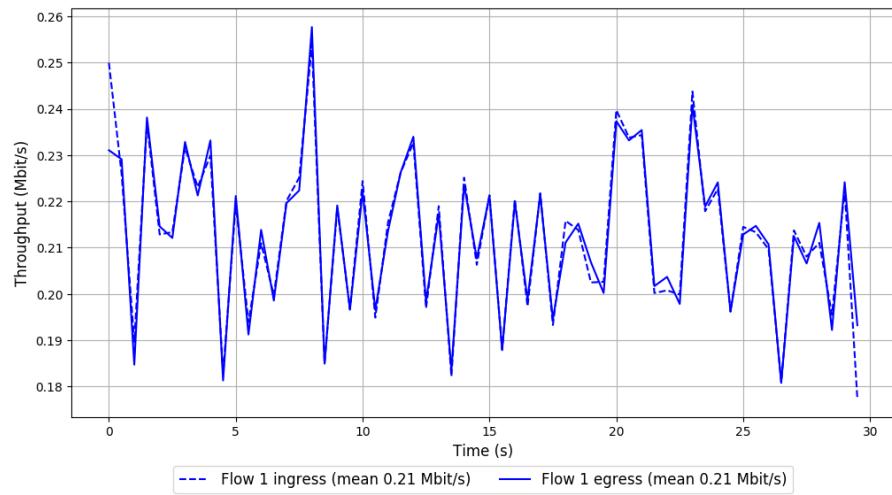
Run 9: Statistics of SCReAM

Start at: 2018-03-20 17:59:56

End at: 2018-03-20 18:00:26

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.981 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link



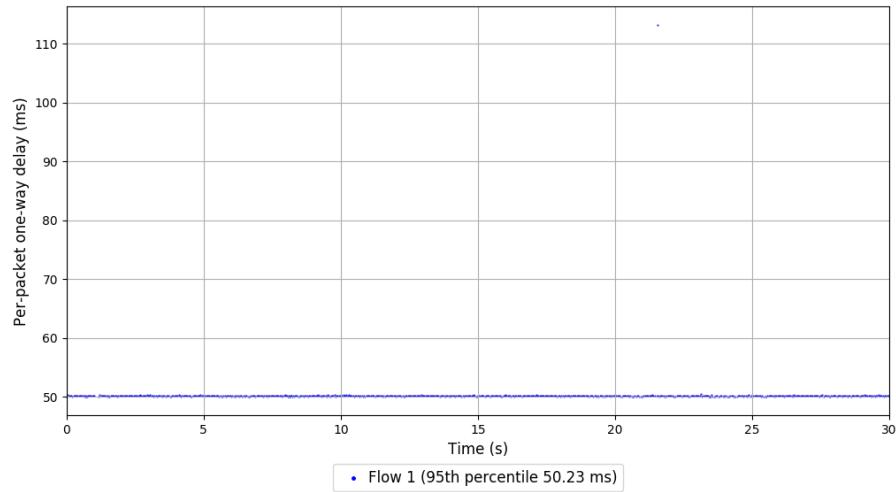
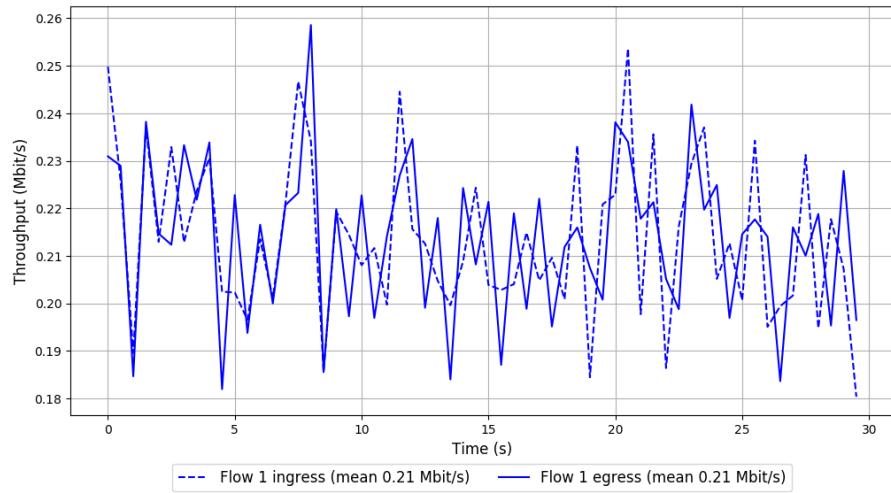
Run 10: Statistics of SCReAM

Start at: 2018-03-20 18:14:20

End at: 2018-03-20 18:14:50

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.235 ms
Loss rate: 0.00%
```

## Run 10: Report of SCReAM — Data Link

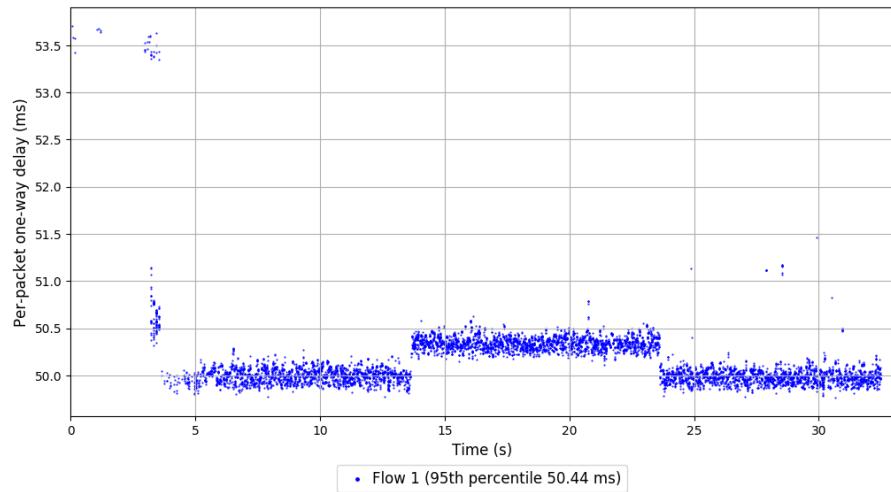
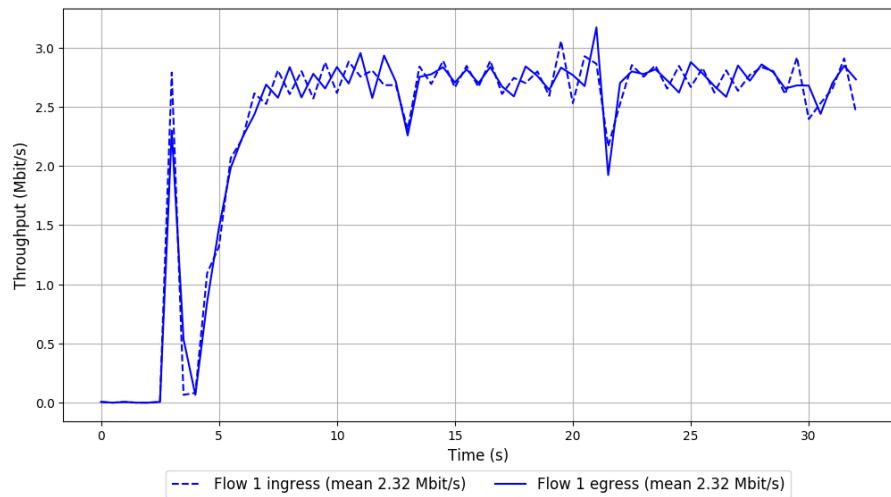


```
Run 1: Statistics of WebRTC media

Start at: 2018-03-20 16:05:40
End at: 2018-03-20 16:06:10

# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 50.441 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 50.441 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



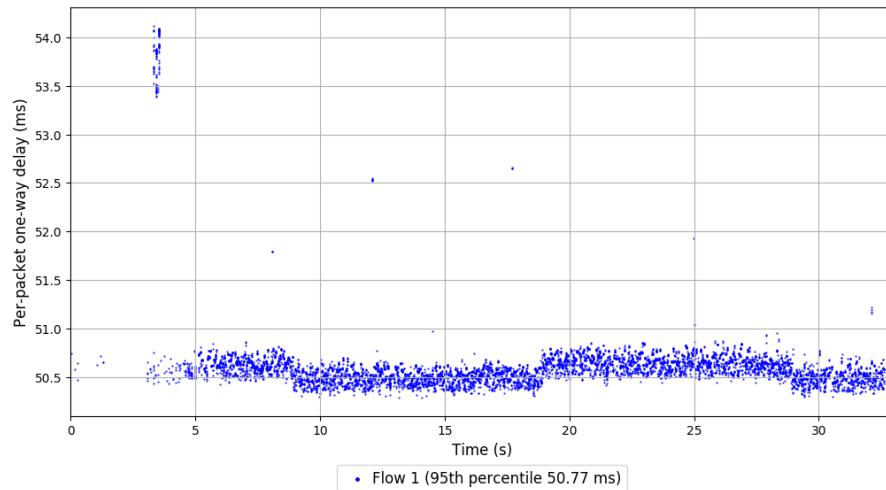
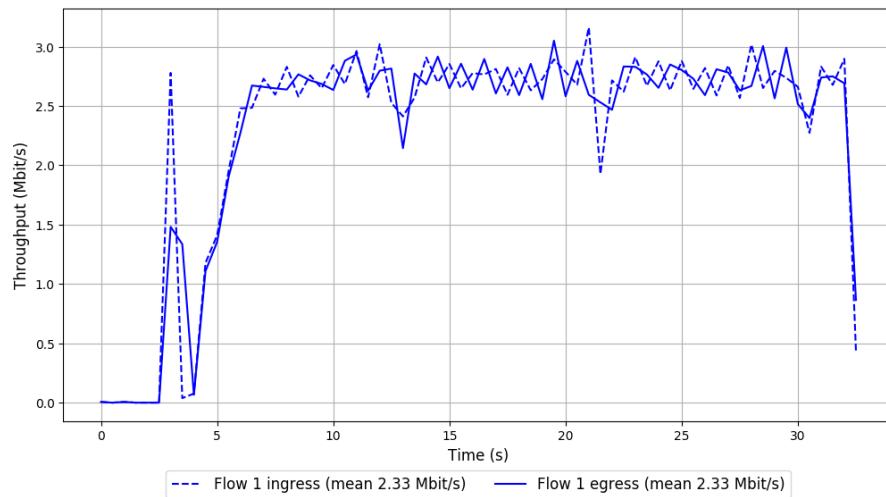
Run 2: Statistics of WebRTC media

Start at: 2018-03-20 16:19:55

End at: 2018-03-20 16:20:25

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 50.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 50.770 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

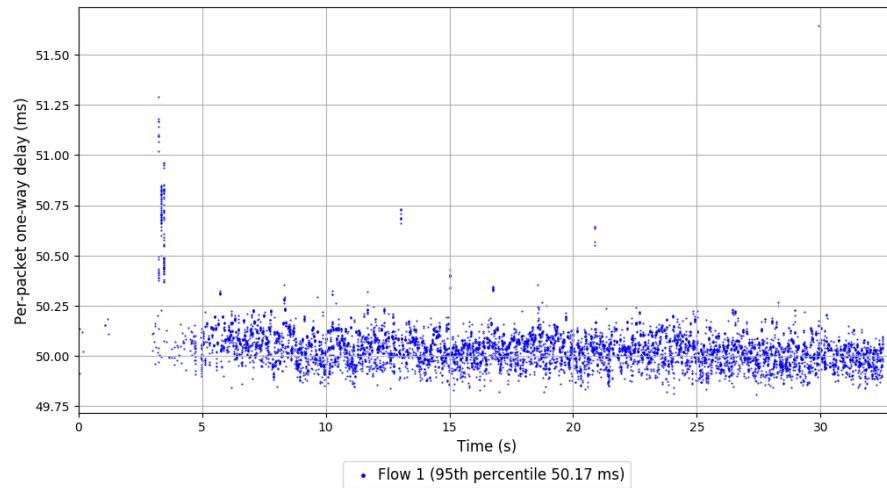
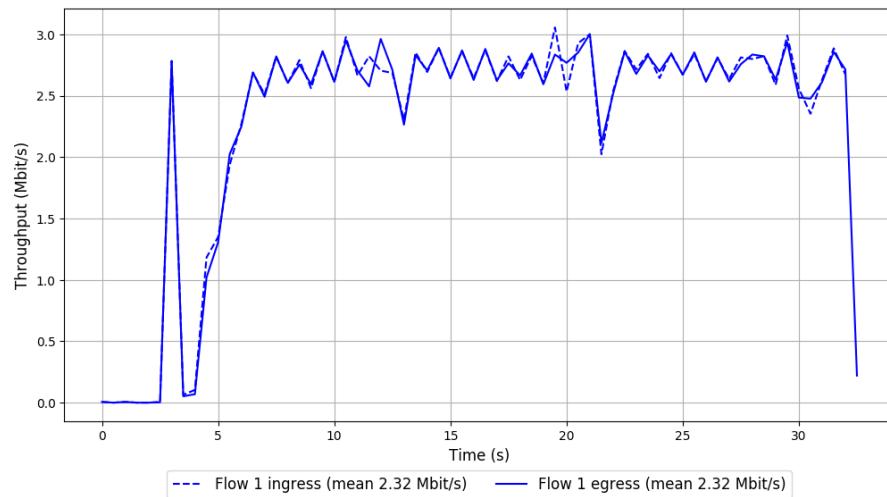


```
Run 3: Statistics of WebRTC media

Start at: 2018-03-20 16:34:16
End at: 2018-03-20 16:34:46

# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 50.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 50.171 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

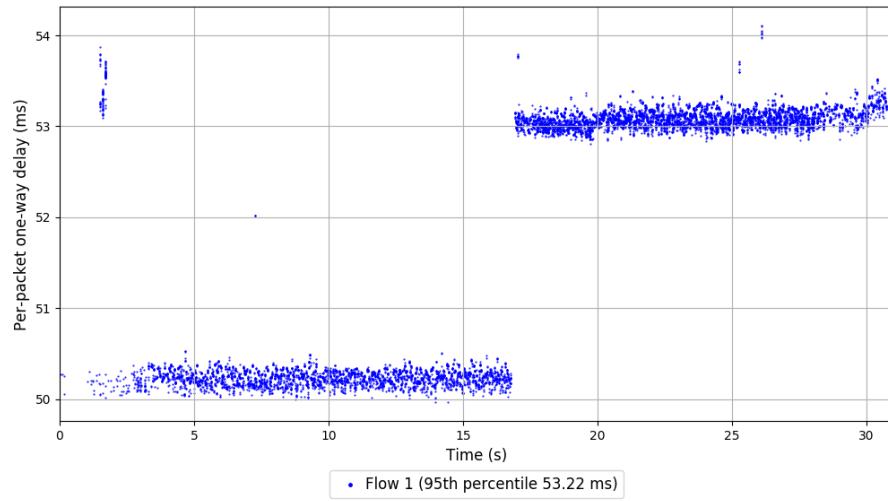
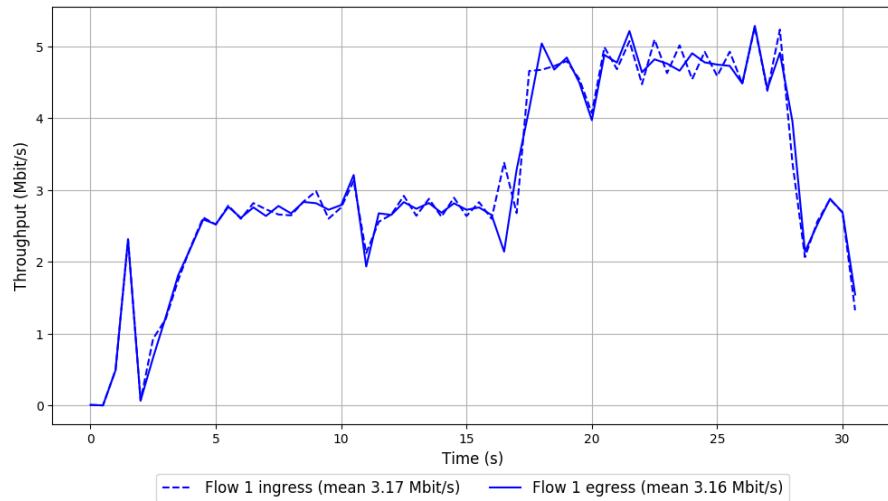


```
Run 4: Statistics of WebRTC media

Start at: 2018-03-20 16:48:52
End at: 2018-03-20 16:49:22

# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 53.223 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 53.223 ms
Loss rate: 0.33%
```

Run 4: Report of WebRTC media — Data Link

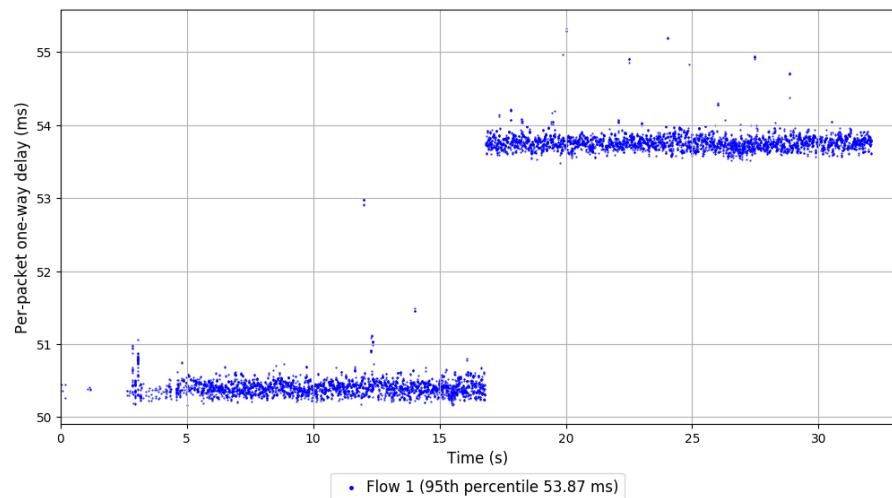
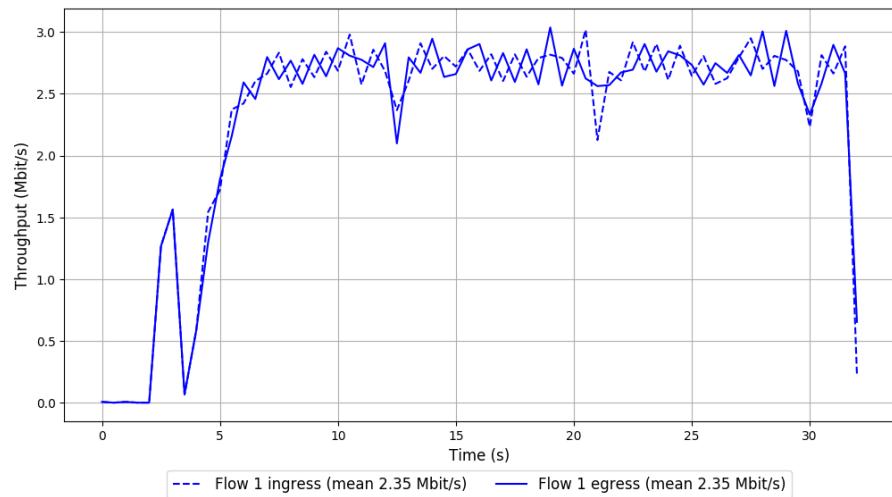


```
Run 5: Statistics of WebRTC media

Start at: 2018-03-20 17:03:06
End at: 2018-03-20 17:03:37

# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 53.869 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 53.869 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

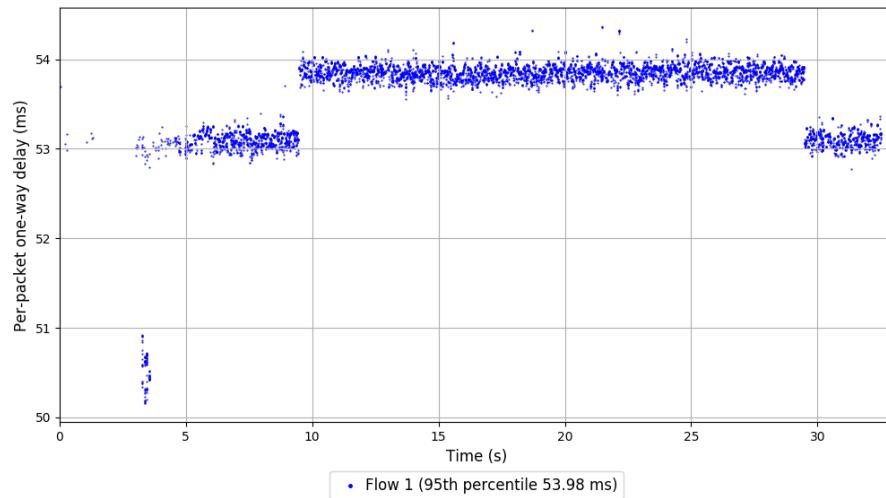
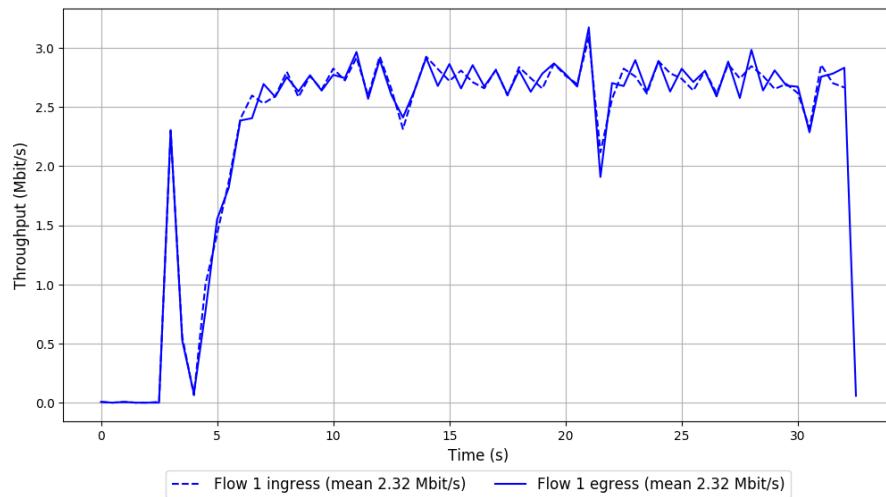


```
Run 6: Statistics of WebRTC media

Start at: 2018-03-20 17:17:24
End at: 2018-03-20 17:17:54

# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 53.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 53.978 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link



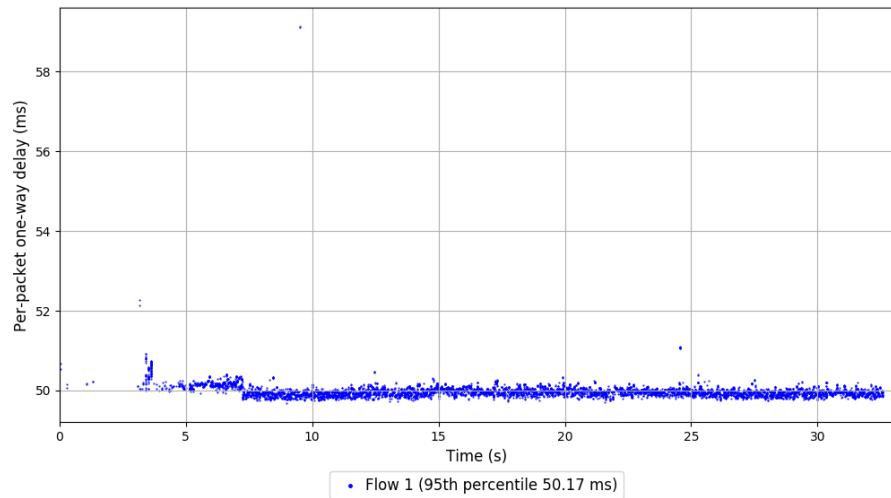
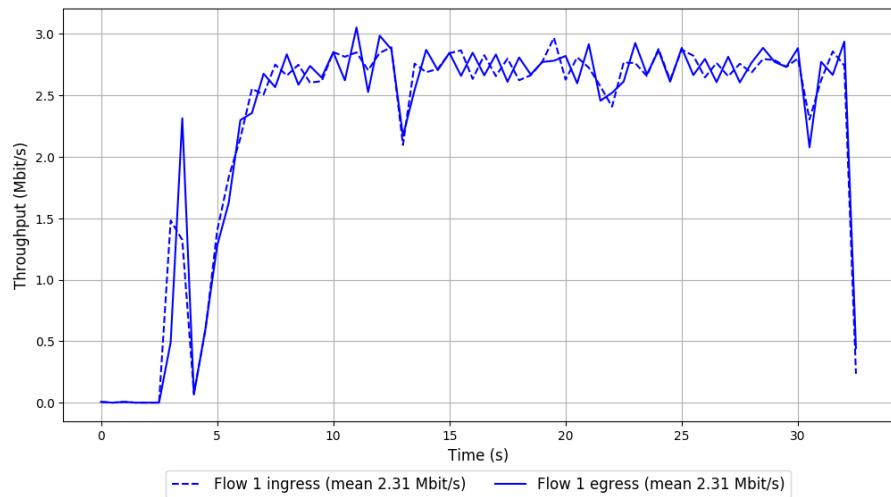
Run 7: Statistics of WebRTC media

Start at: 2018-03-20 17:31:37

End at: 2018-03-20 17:32:07

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 50.175 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 50.175 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

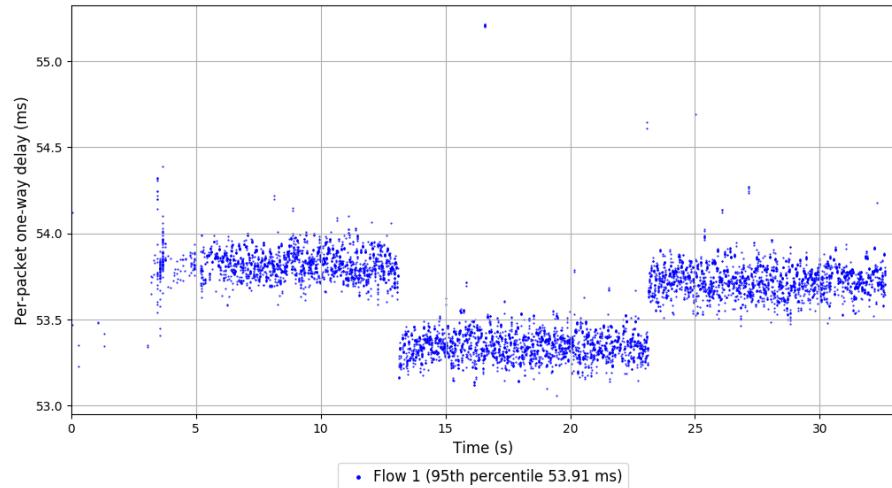
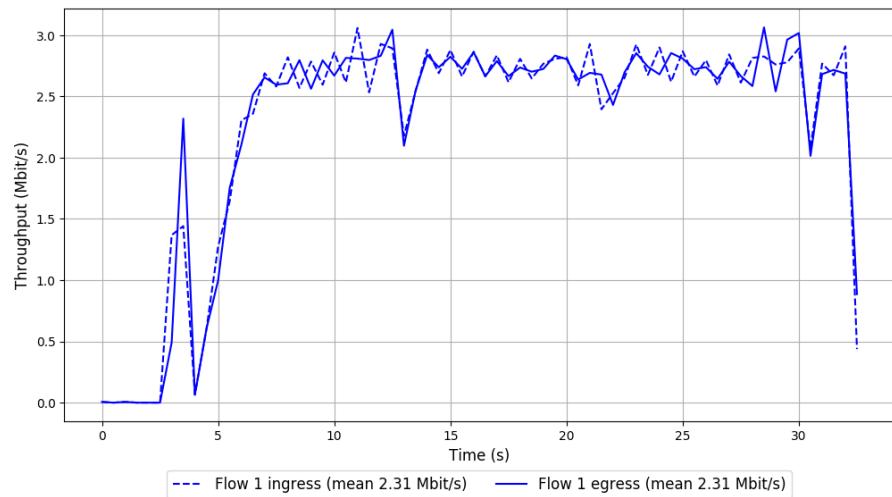


```
Run 8: Statistics of WebRTC media

Start at: 2018-03-20 17:46:11
End at: 2018-03-20 17:46:41

# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 53.909 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 53.909 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

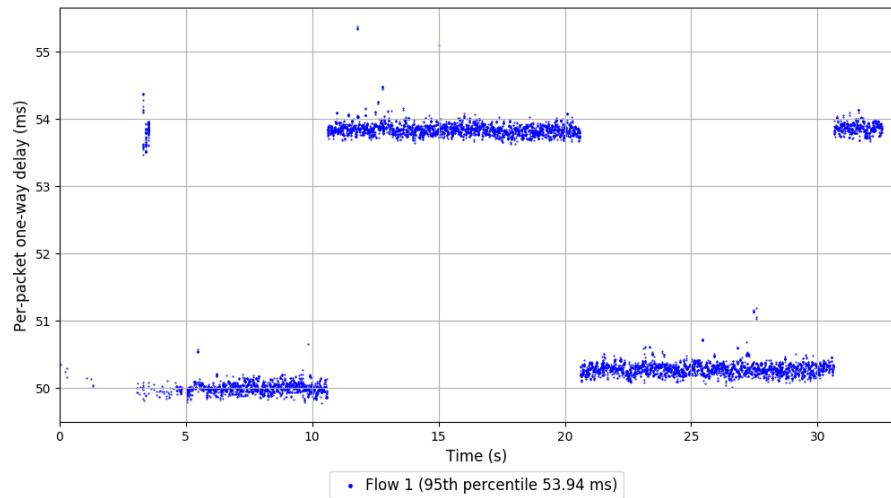
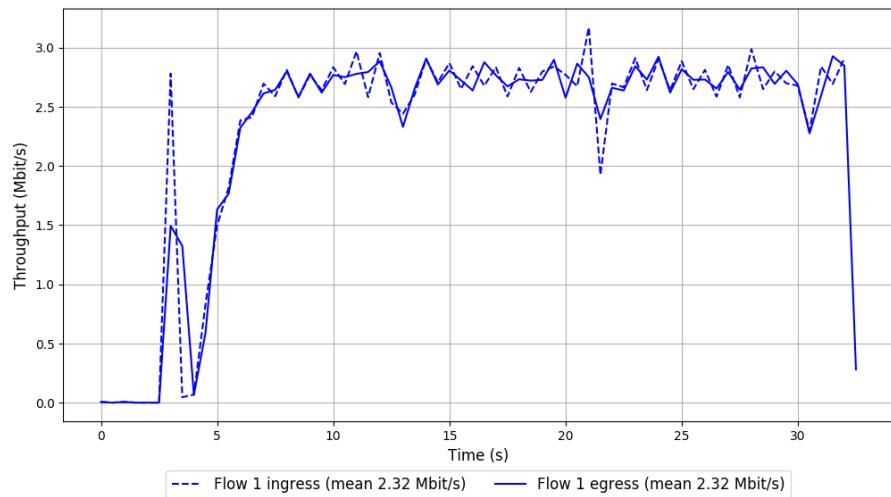


```
Run 9: Statistics of WebRTC media

Start at: 2018-03-20 18:00:33
End at: 2018-03-20 18:01:03

# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 53.936 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 53.936 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



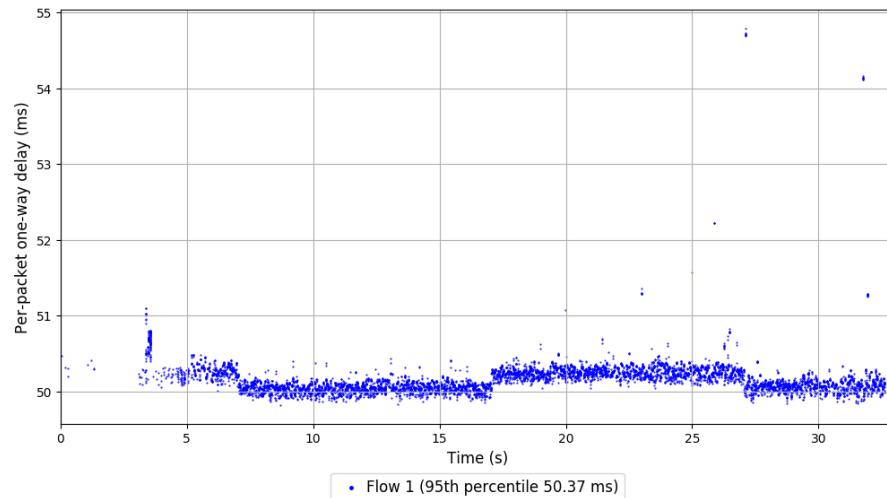
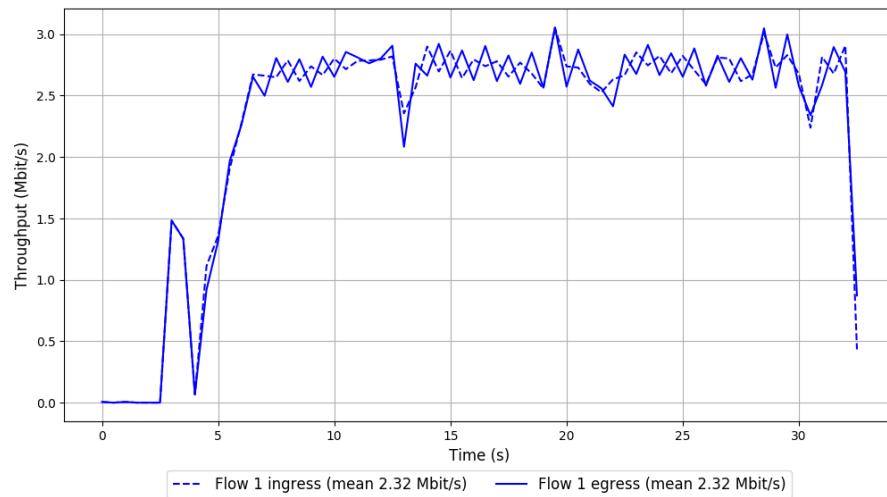
Run 10: Statistics of WebRTC media

Start at: 2018-03-20 18:14:57

End at: 2018-03-20 18:15:27

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 50.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 50.368 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link



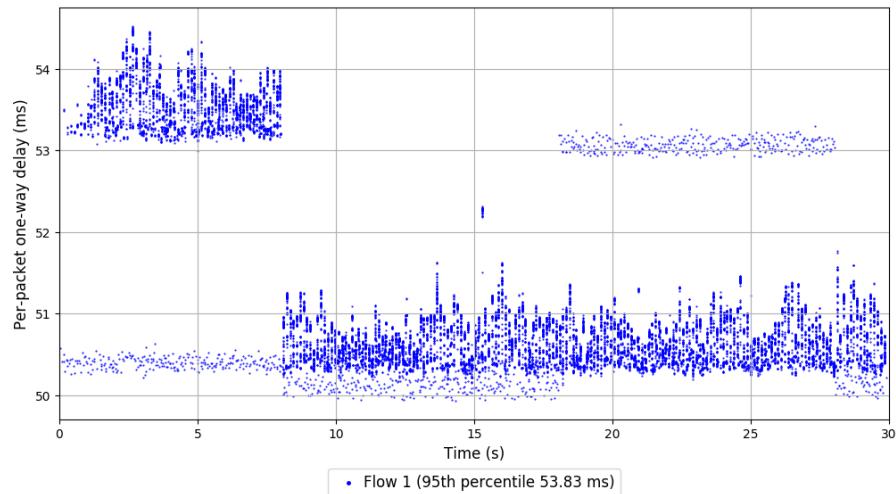
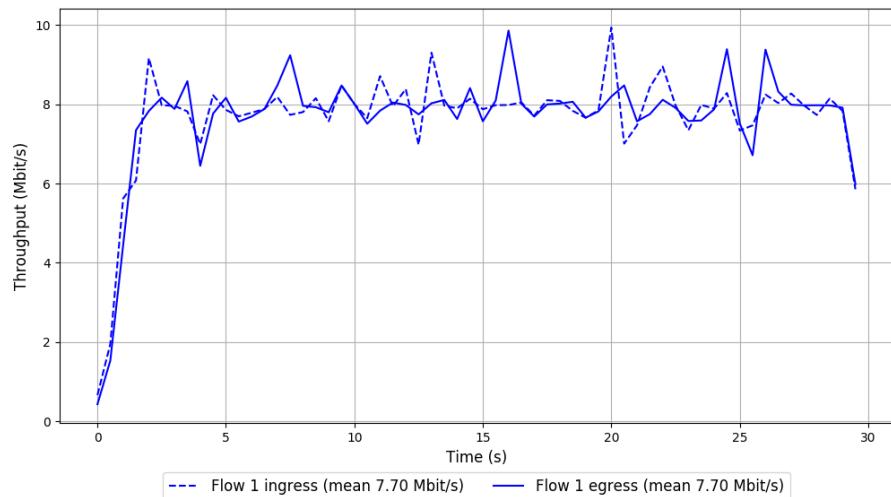
Run 1: Statistics of Sprout

Start at: 2018-03-20 15:58:23

End at: 2018-03-20 15:58:53

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 53.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 53.833 ms
Loss rate: 0.00%
```

## Run 1: Report of Sprout — Data Link



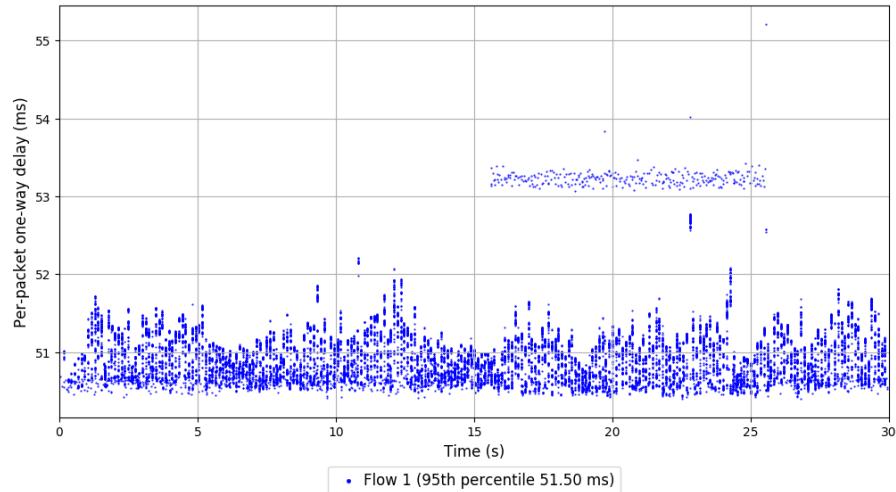
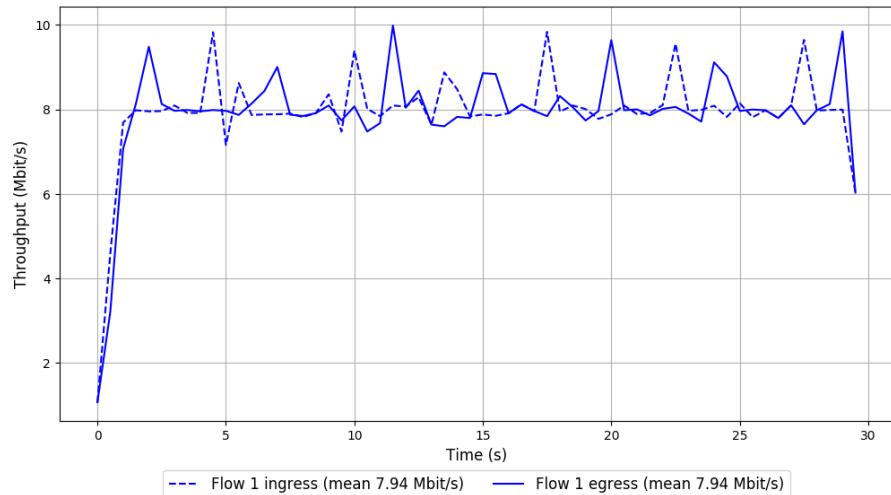
Run 2: Statistics of Sprout

Start at: 2018-03-20 16:12:36

End at: 2018-03-20 16:13:06

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 51.503 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 51.503 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link



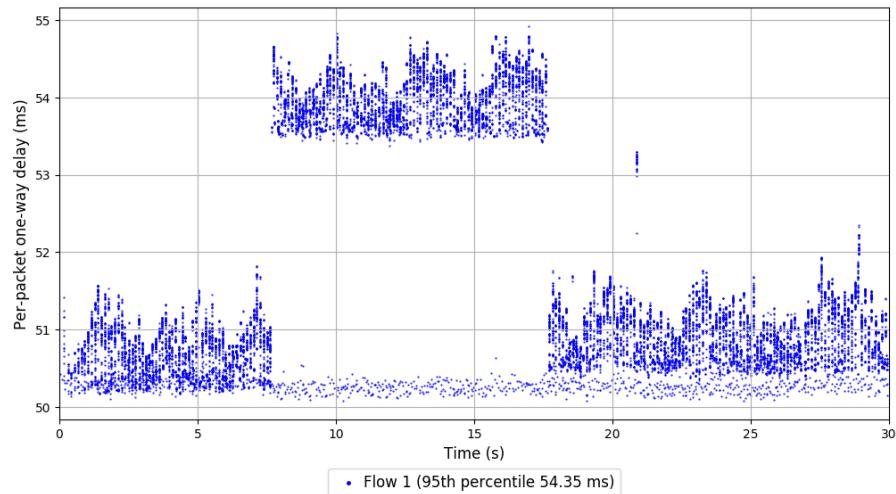
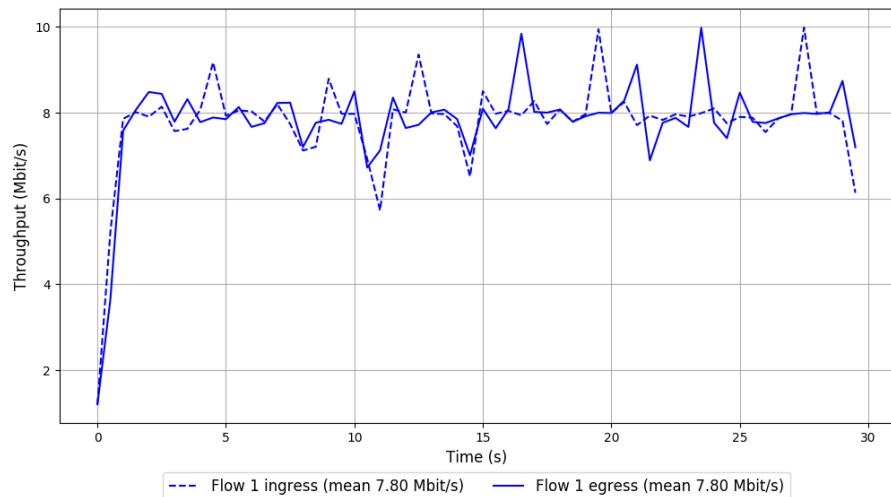
Run 3: Statistics of Sprout

Start at: 2018-03-20 16:26:53

End at: 2018-03-20 16:27:23

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 54.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 54.346 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link



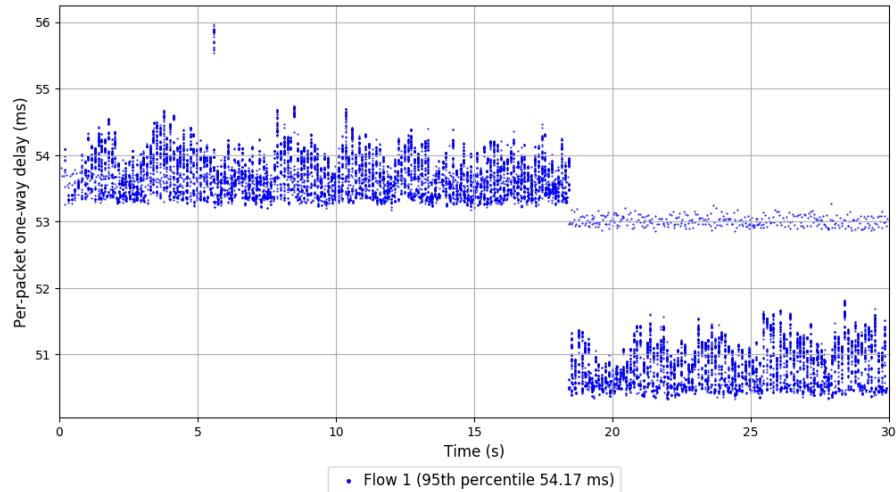
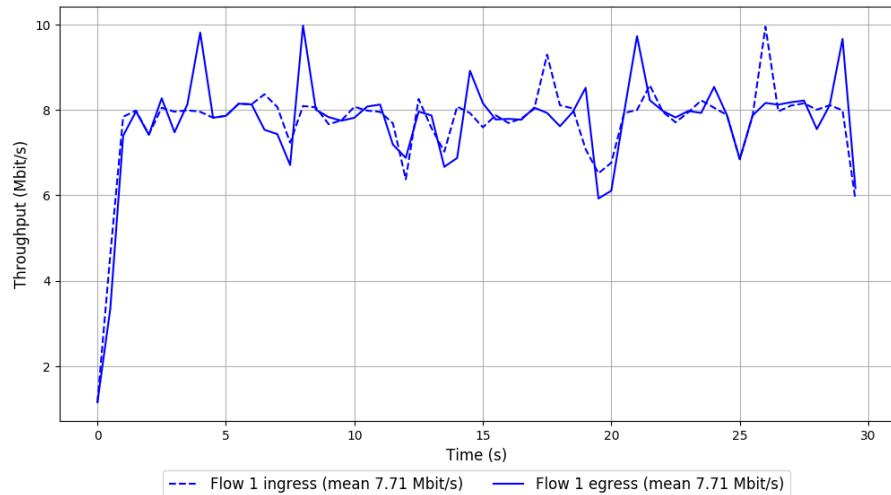
Run 4: Statistics of Sprout

Start at: 2018-03-20 16:41:23

End at: 2018-03-20 16:41:53

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 54.175 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 54.175 ms
Loss rate: 0.00%
```

## Run 4: Report of Sprout — Data Link



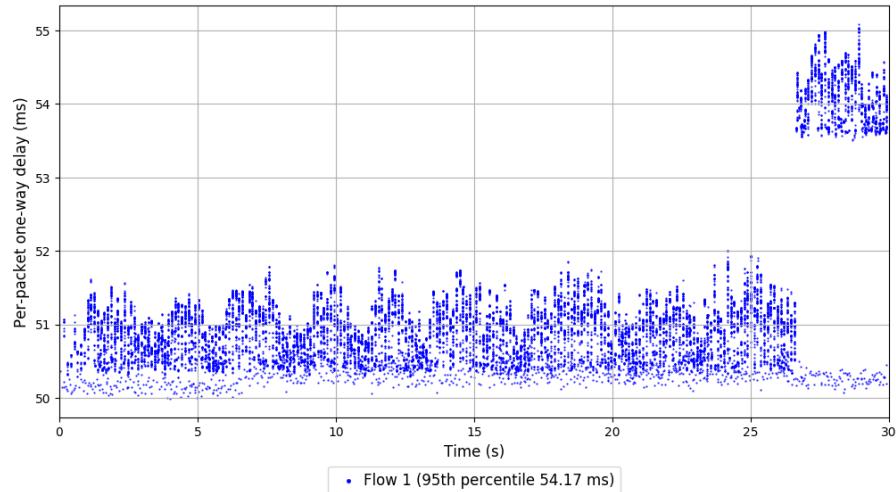
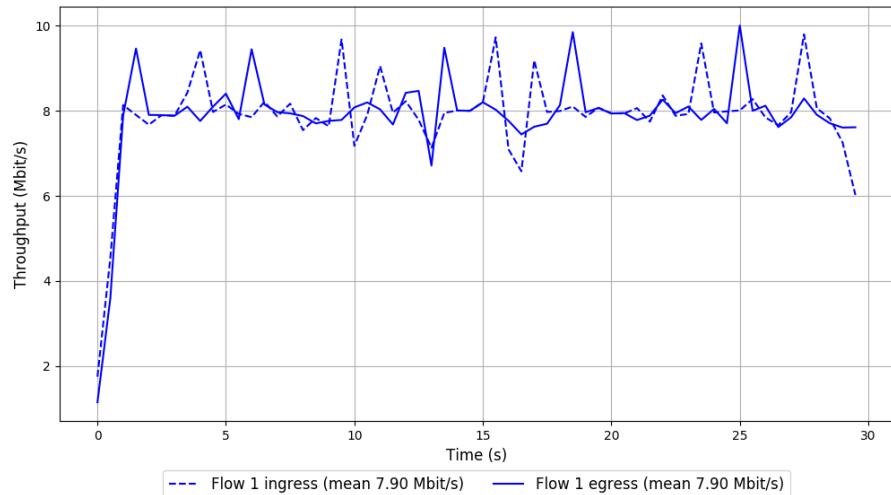
Run 5: Statistics of Sprout

Start at: 2018-03-20 16:55:45

End at: 2018-03-20 16:56:15

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 54.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 54.167 ms
Loss rate: 0.00%
```

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



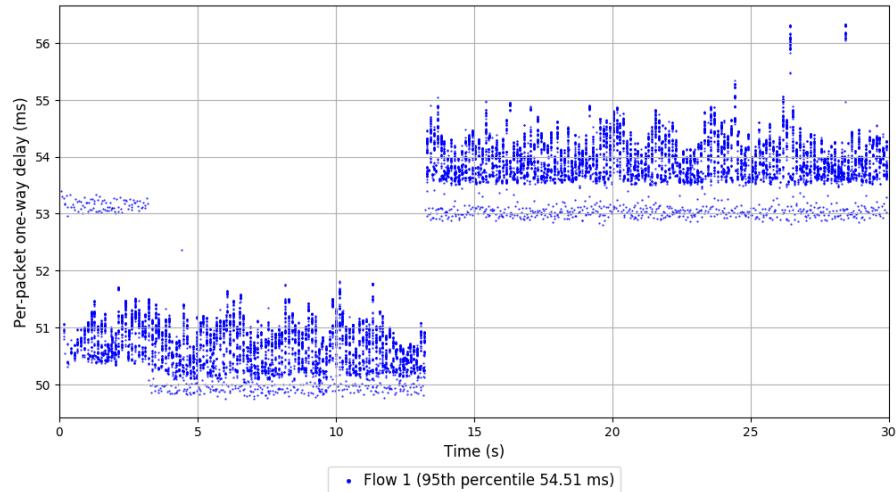
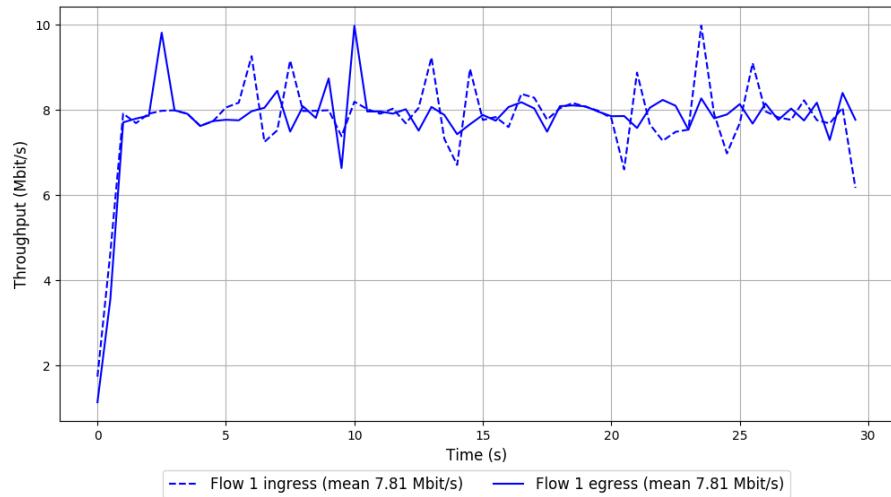
Run 6: Statistics of Sprout

Start at: 2018-03-20 17:09:58

End at: 2018-03-20 17:10:28

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 54.510 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 54.510 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link



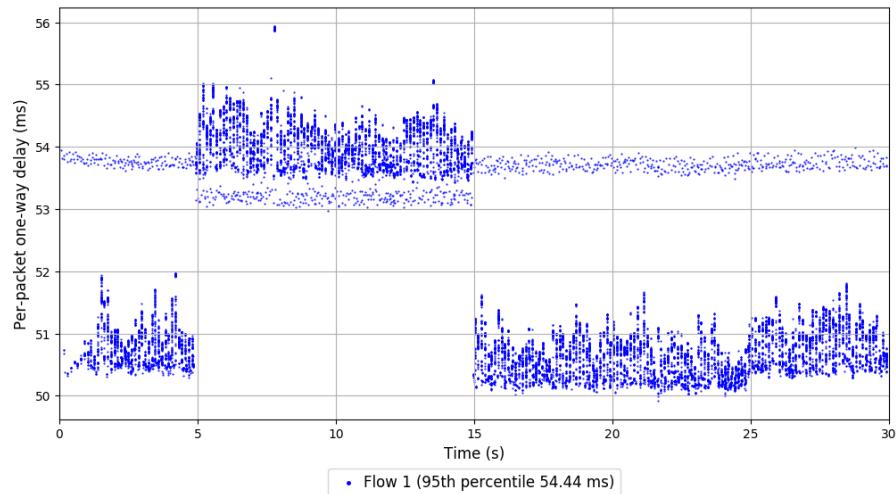
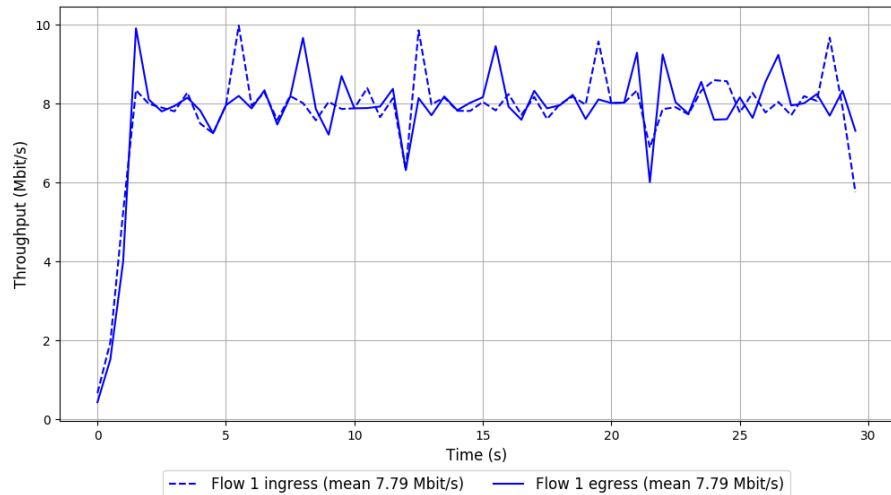
Run 7: Statistics of Sprout

Start at: 2018-03-20 17:24:16

End at: 2018-03-20 17:24:46

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 54.441 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 54.441 ms
Loss rate: 0.00%
```

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



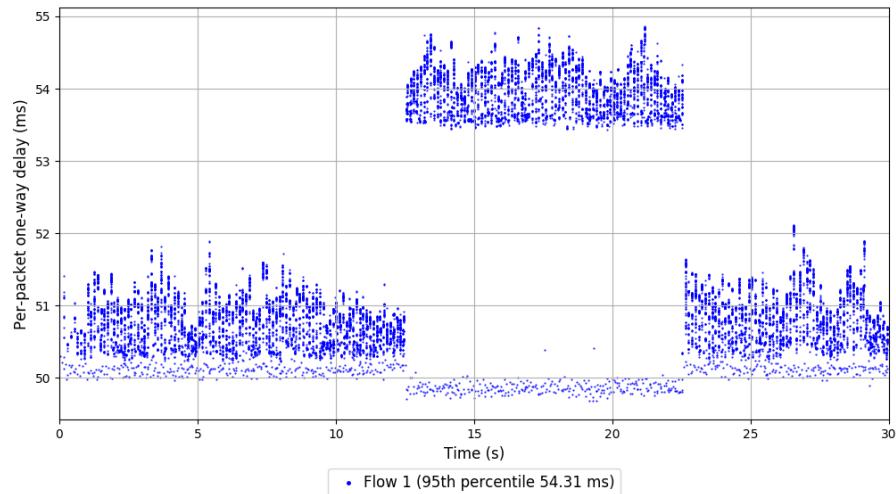
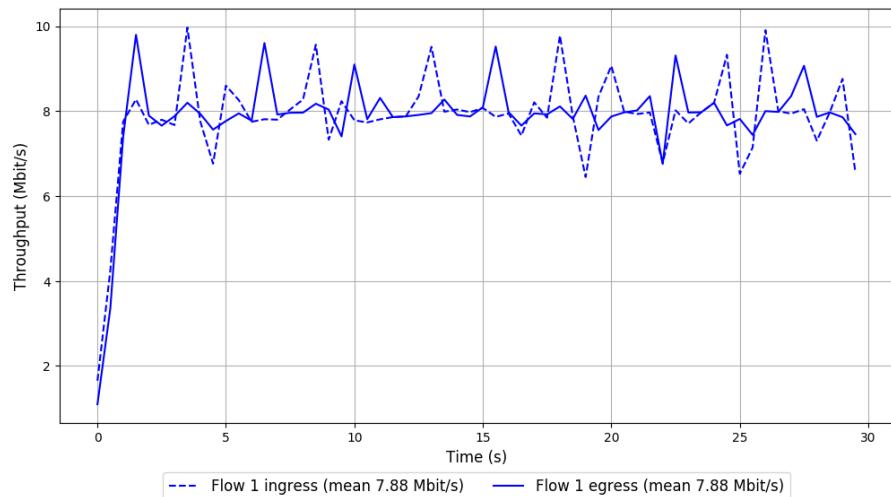
Run 8: Statistics of Sprout

Start at: 2018-03-20 17:38:49

End at: 2018-03-20 17:39:19

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 54.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 54.312 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link



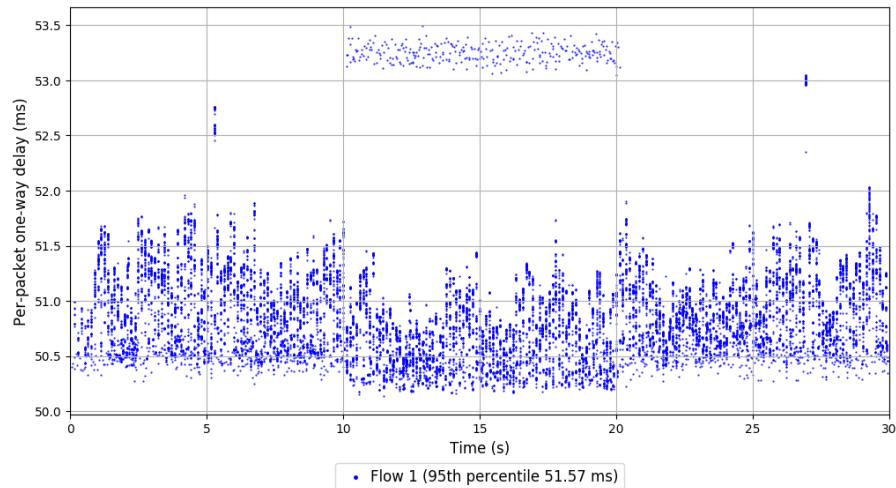
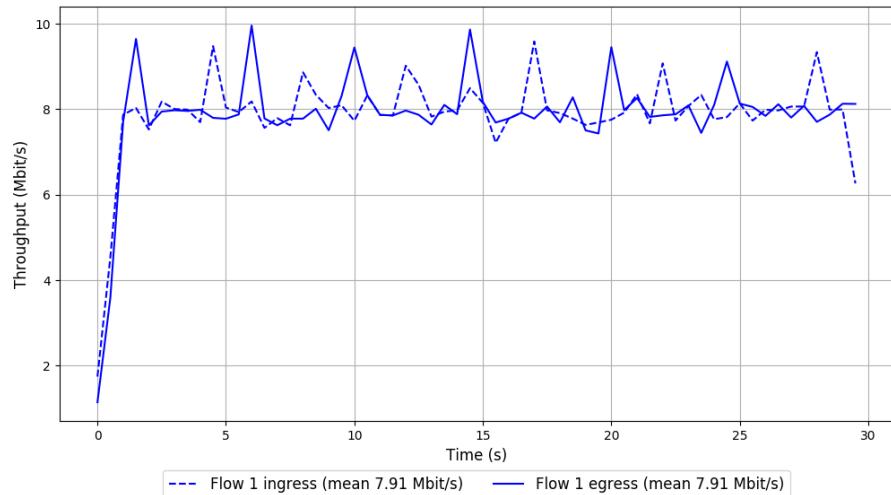
Run 9: Statistics of Sprout

Start at: 2018-03-20 17:53:11

End at: 2018-03-20 17:53:41

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 51.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 51.566 ms
Loss rate: 0.00%
```

## Run 9: Report of Sprout — Data Link



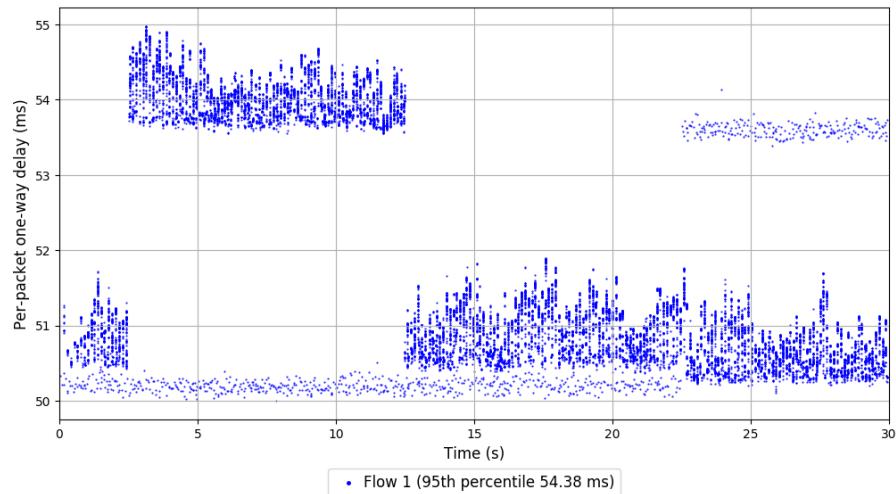
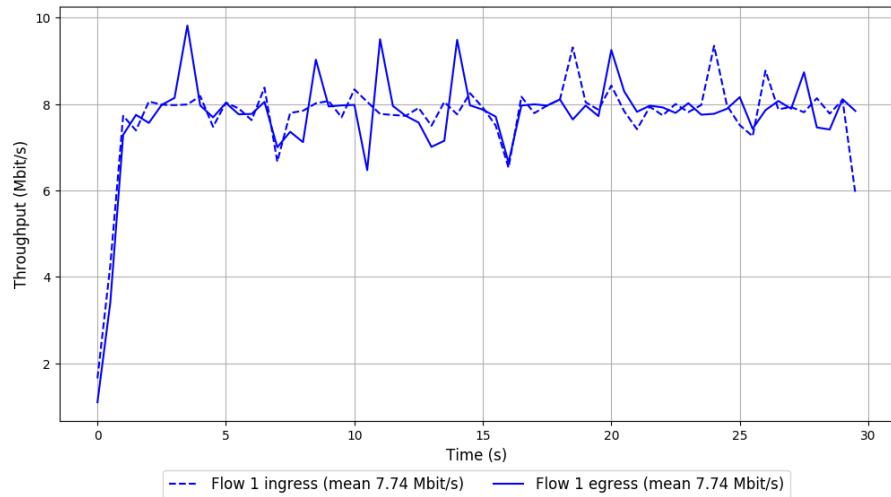
Run 10: Statistics of Sprout

Start at: 2018-03-20 18:07:39

End at: 2018-03-20 18:08:09

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 54.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 54.377 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link



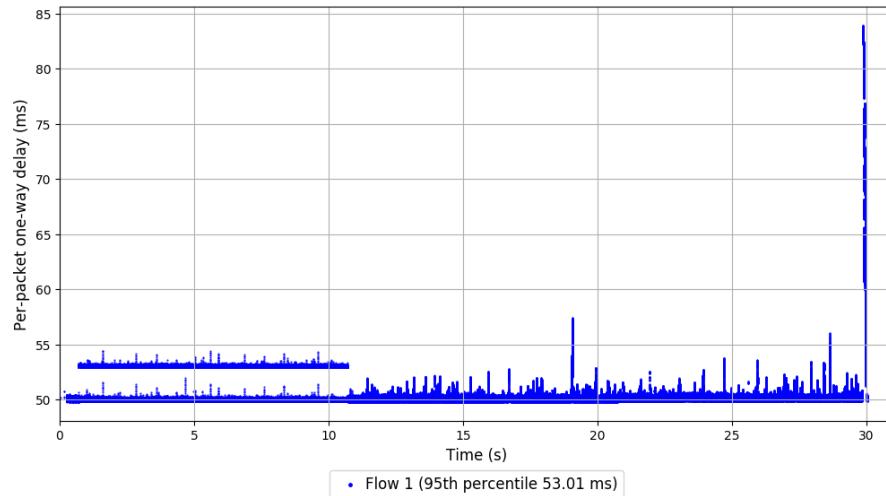
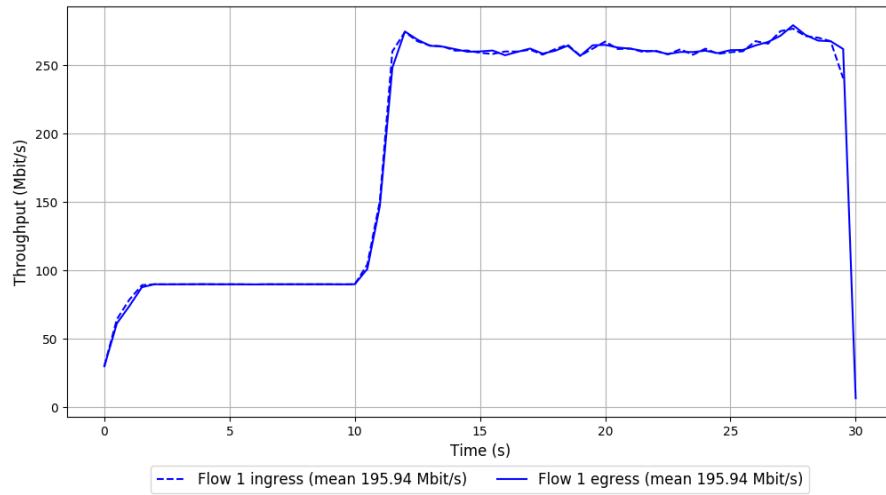
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-20 15:56:00

End at: 2018-03-20 15:56:30

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.94 Mbit/s
95th percentile per-packet one-way delay: 53.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.94 Mbit/s
95th percentile per-packet one-way delay: 53.009 ms
Loss rate: 0.00%
```

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



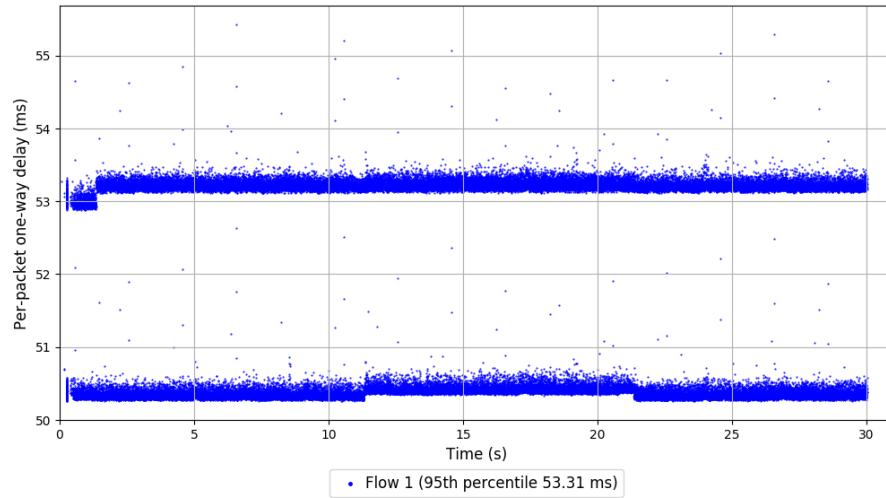
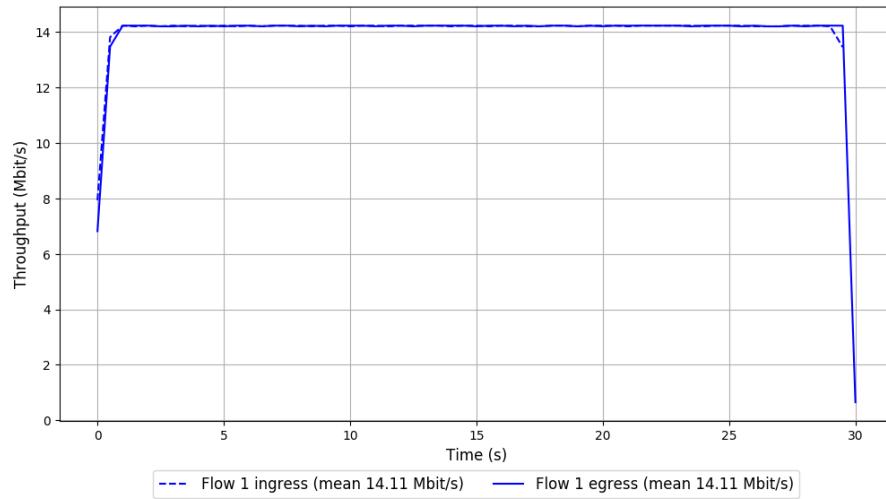
Run 2: Statistics of TaoVA-100x

Start at: 2018-03-20 16:10:30

End at: 2018-03-20 16:11:00

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.11 Mbit/s
95th percentile per-packet one-way delay: 53.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.11 Mbit/s
95th percentile per-packet one-way delay: 53.311 ms
Loss rate: 0.00%
```

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



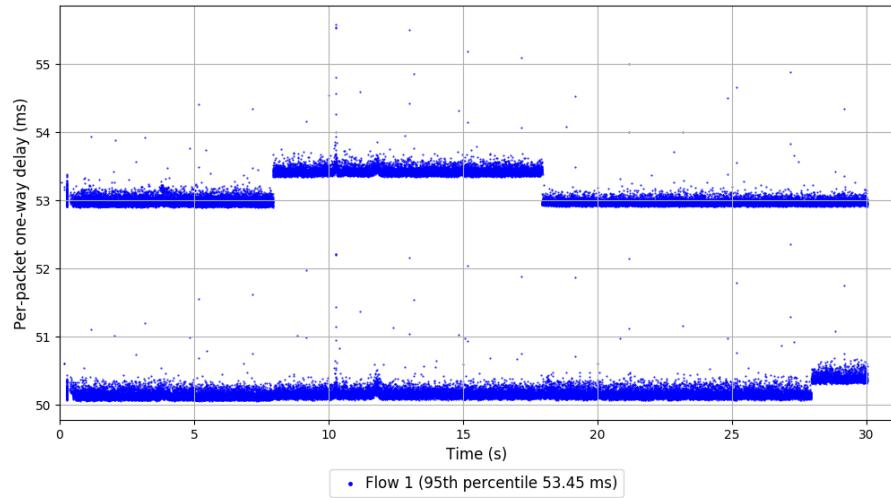
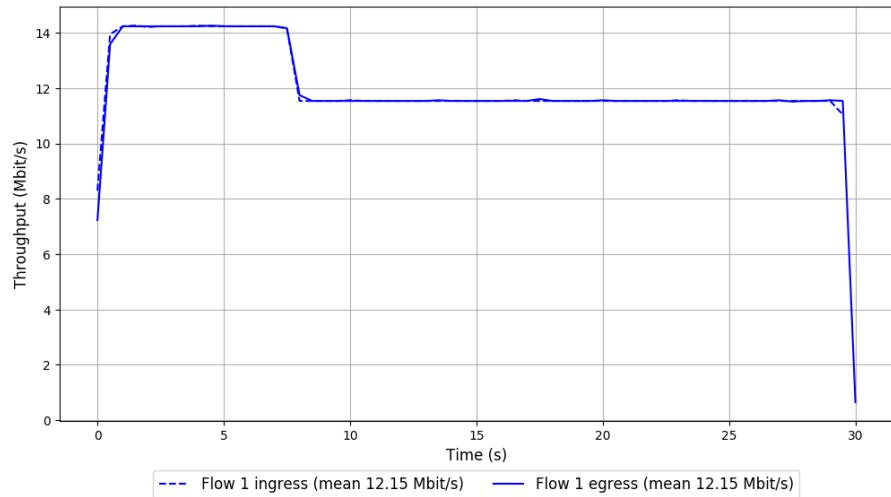
Run 3: Statistics of TaoVA-100x

Start at: 2018-03-20 16:24:43

End at: 2018-03-20 16:25:13

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.15 Mbit/s
95th percentile per-packet one-way delay: 53.448 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.15 Mbit/s
95th percentile per-packet one-way delay: 53.448 ms
Loss rate: 0.00%
```

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



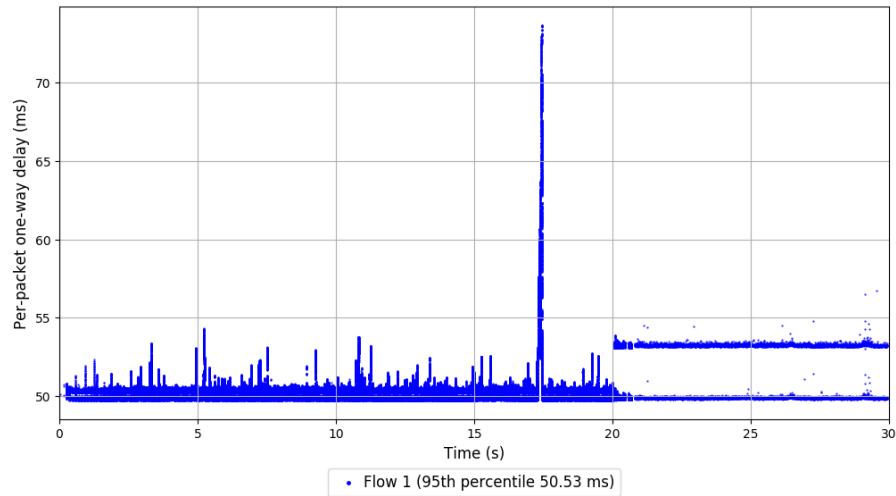
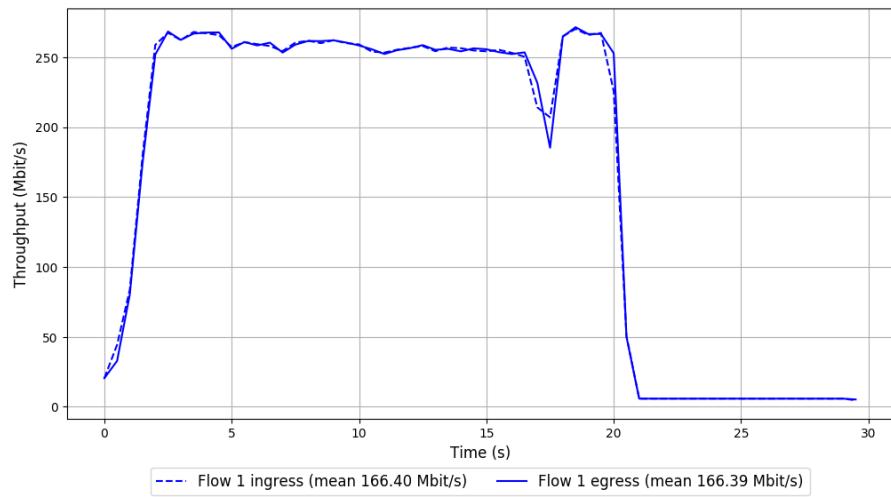
Run 4: Statistics of TaoVA-100x

Start at: 2018-03-20 16:39:01

End at: 2018-03-20 16:39:31

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 166.39 Mbit/s
95th percentile per-packet one-way delay: 50.531 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.39 Mbit/s
95th percentile per-packet one-way delay: 50.531 ms
Loss rate: 0.00%
```

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



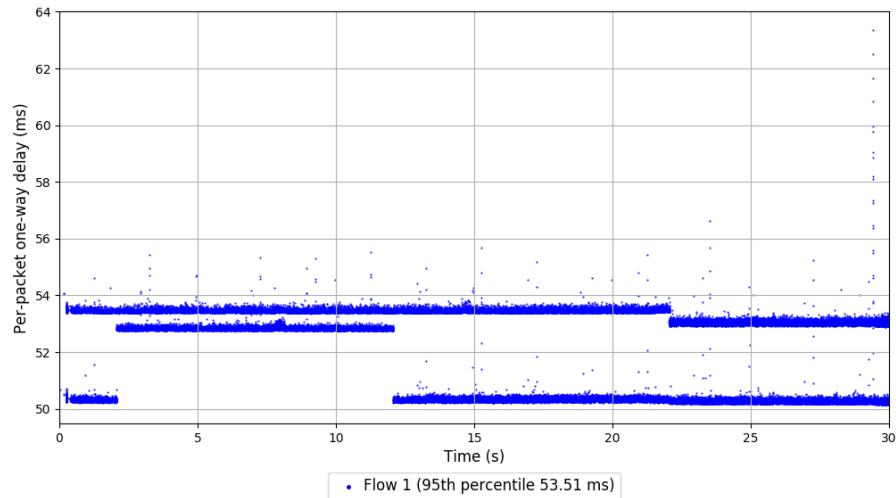
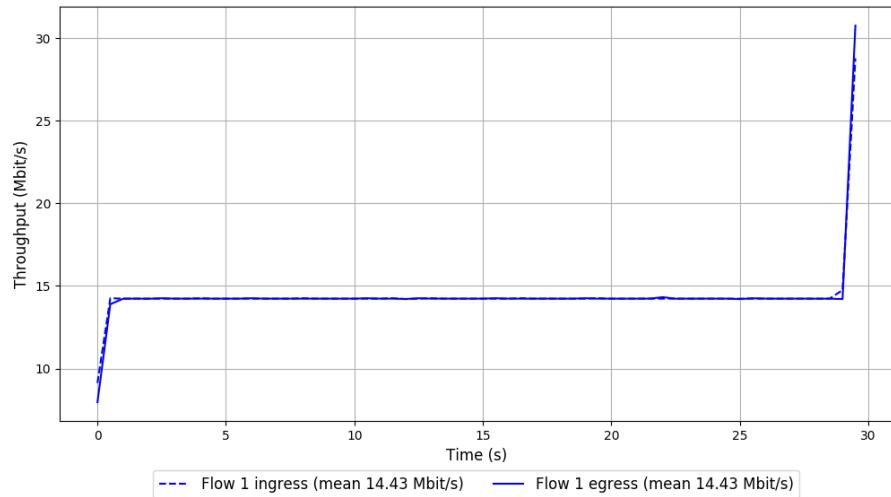
Run 5: Statistics of TaoVA-100x

Start at: 2018-03-20 16:53:39

End at: 2018-03-20 16:54:09

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.43 Mbit/s
95th percentile per-packet one-way delay: 53.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.43 Mbit/s
95th percentile per-packet one-way delay: 53.509 ms
Loss rate: 0.00%
```

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



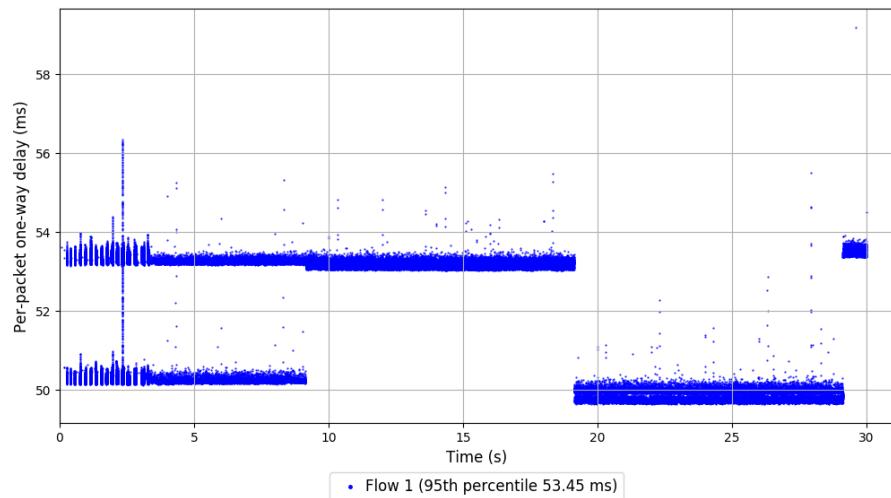
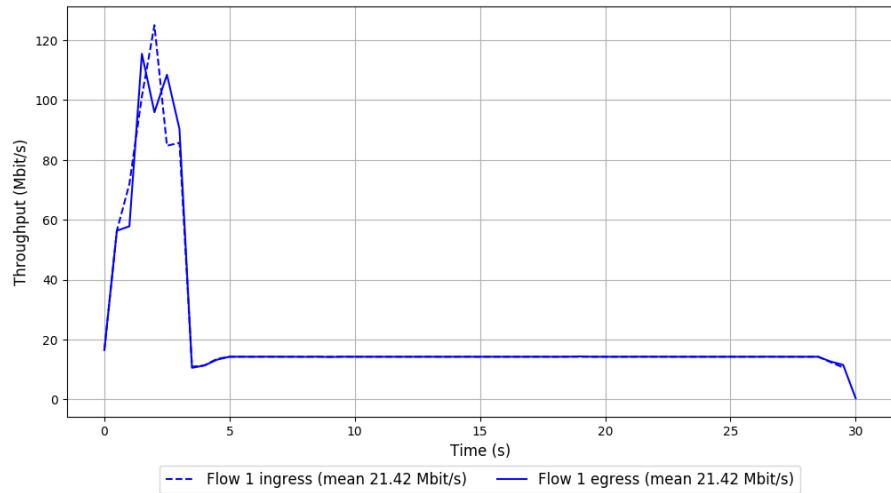
Run 6: Statistics of TaoVA-100x

Start at: 2018-03-20 17:07:52

End at: 2018-03-20 17:08:22

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 53.448 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 53.448 ms
Loss rate: 0.00%
```

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



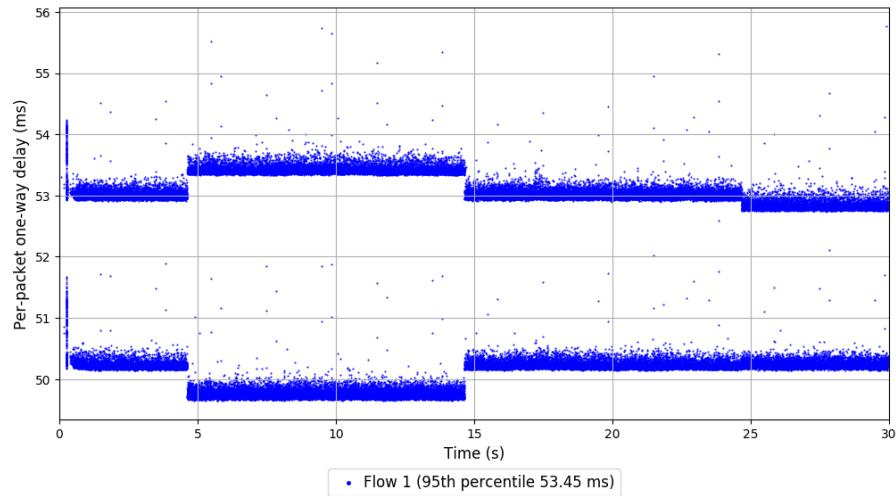
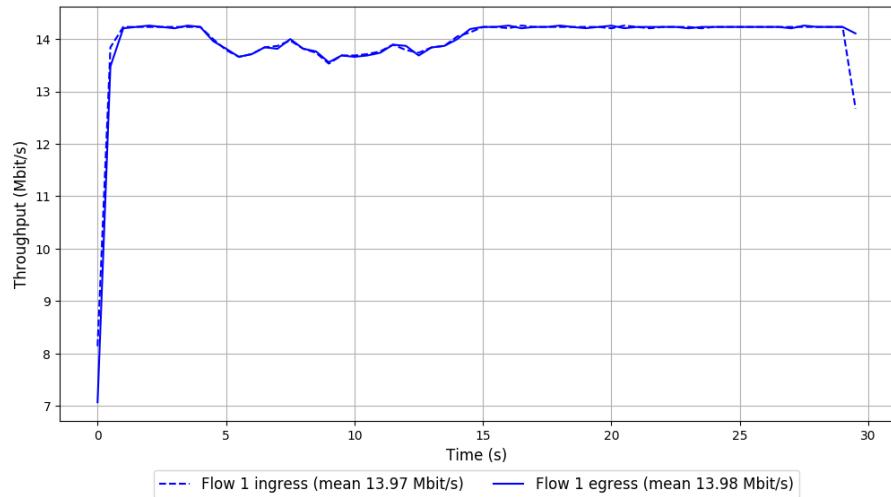
Run 7: Statistics of TaoVA-100x

Start at: 2018-03-20 17:22:07

End at: 2018-03-20 17:22:37

```
# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.98 Mbit/s
95th percentile per-packet one-way delay: 53.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.98 Mbit/s
95th percentile per-packet one-way delay: 53.451 ms
Loss rate: 0.00%
```

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



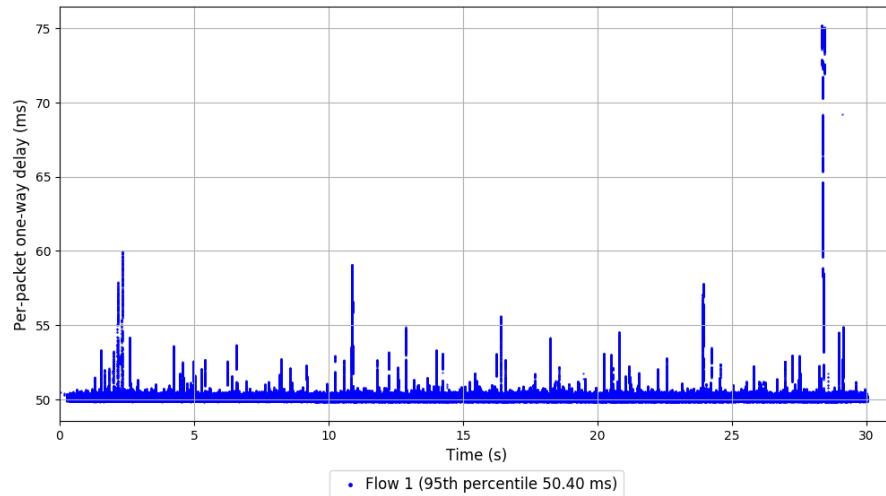
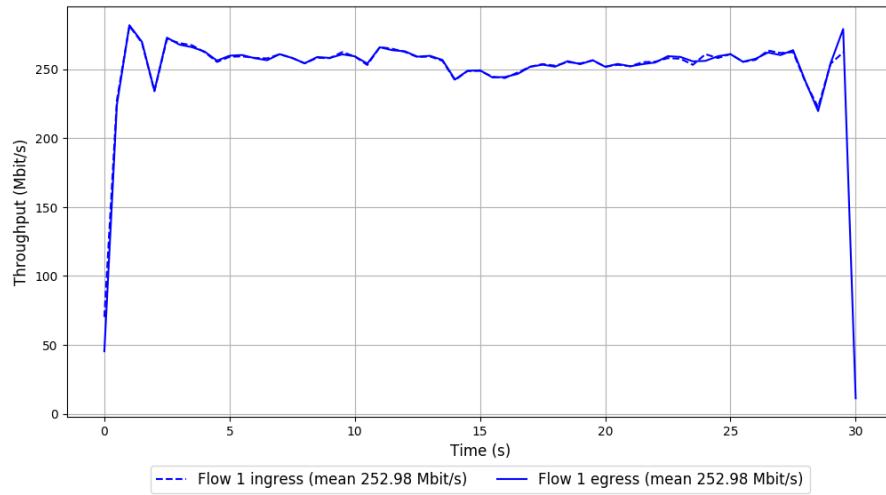
Run 8: Statistics of TaoVA-100x

Start at: 2018-03-20 17:36:22

End at: 2018-03-20 17:36:52

```
# Below is generated by plot.py at 2018-03-20 20:24:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 252.98 Mbit/s
95th percentile per-packet one-way delay: 50.399 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 252.98 Mbit/s
95th percentile per-packet one-way delay: 50.399 ms
Loss rate: 0.00%
```

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



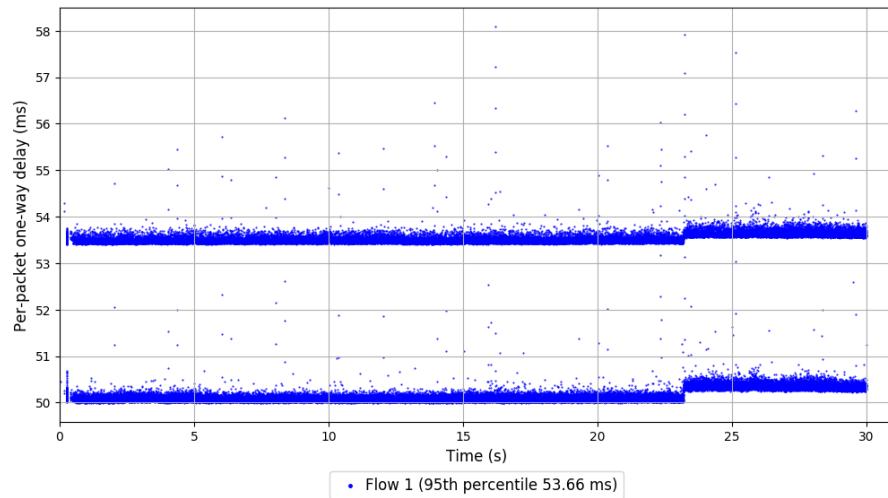
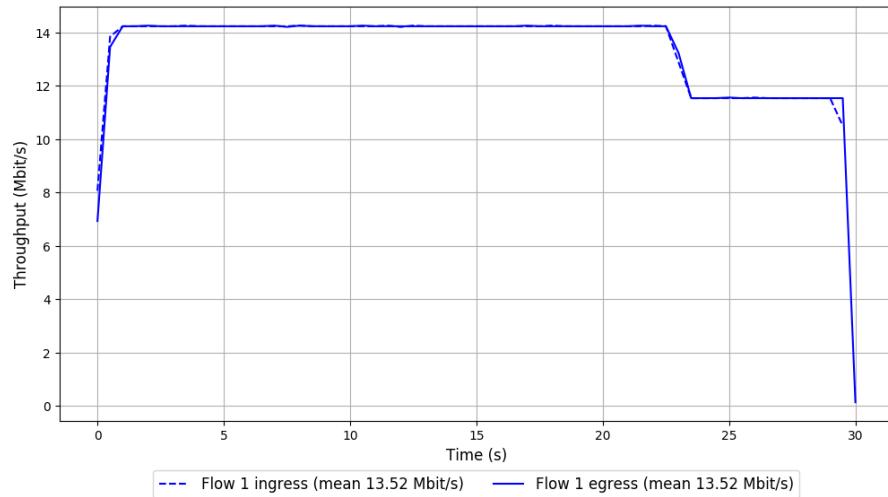
Run 9: Statistics of TaoVA-100x

Start at: 2018-03-20 17:50:58

End at: 2018-03-20 17:51:28

```
# Below is generated by plot.py at 2018-03-20 20:24:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 53.658 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 53.658 ms
Loss rate: 0.00%
```

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



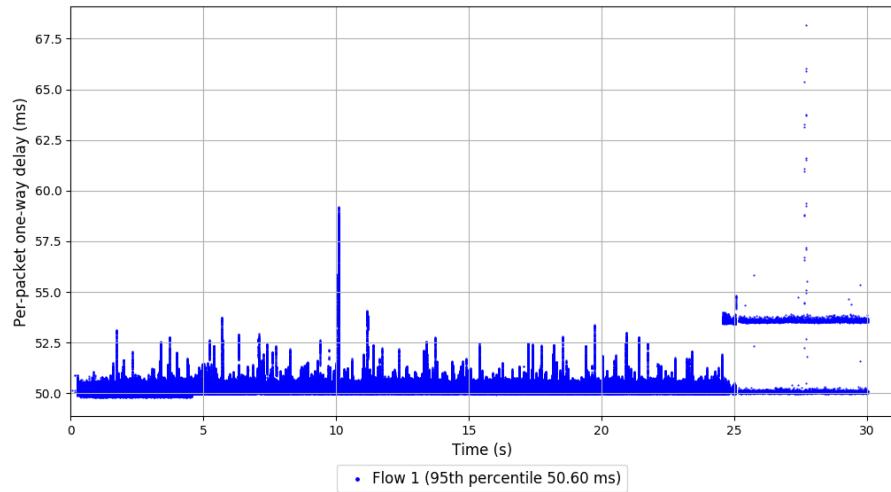
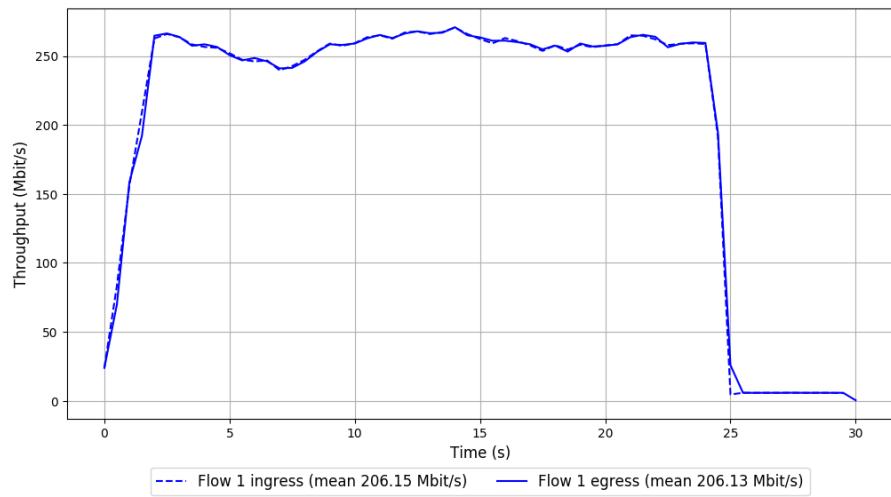
Run 10: Statistics of TaoVA-100x

Start at: 2018-03-20 18:05:17

End at: 2018-03-20 18:05:47

```
# Below is generated by plot.py at 2018-03-20 20:24:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.13 Mbit/s
95th percentile per-packet one-way delay: 50.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.13 Mbit/s
95th percentile per-packet one-way delay: 50.596 ms
Loss rate: 0.00%
```

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



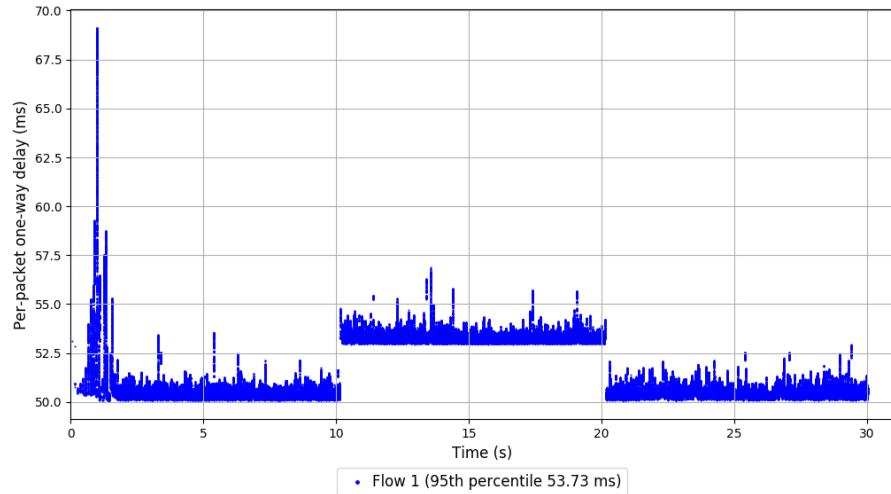
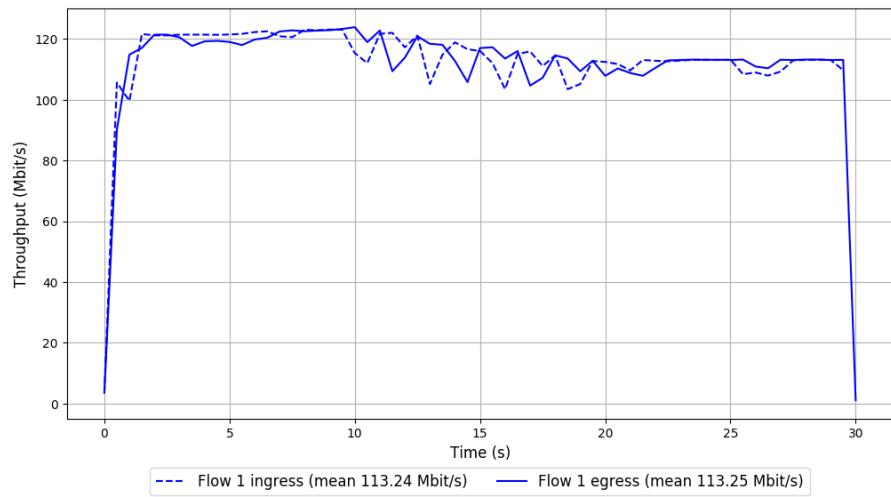
Run 1: Statistics of TCP Vegas

Start at: 2018-03-20 15:57:41

End at: 2018-03-20 15:58:11

```
# Below is generated by plot.py at 2018-03-20 20:24:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 113.25 Mbit/s
95th percentile per-packet one-way delay: 53.735 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 113.25 Mbit/s
95th percentile per-packet one-way delay: 53.735 ms
Loss rate: 0.01%
```

Run 1: Report of TCP Vegas — Data Link



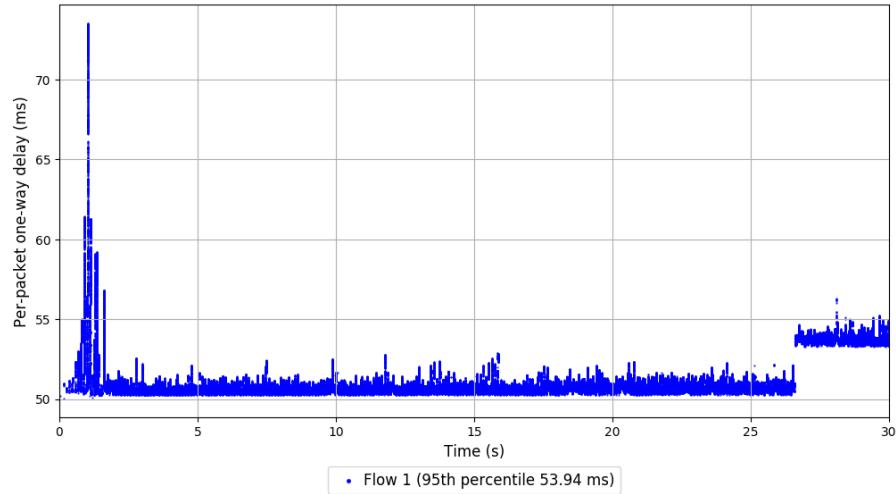
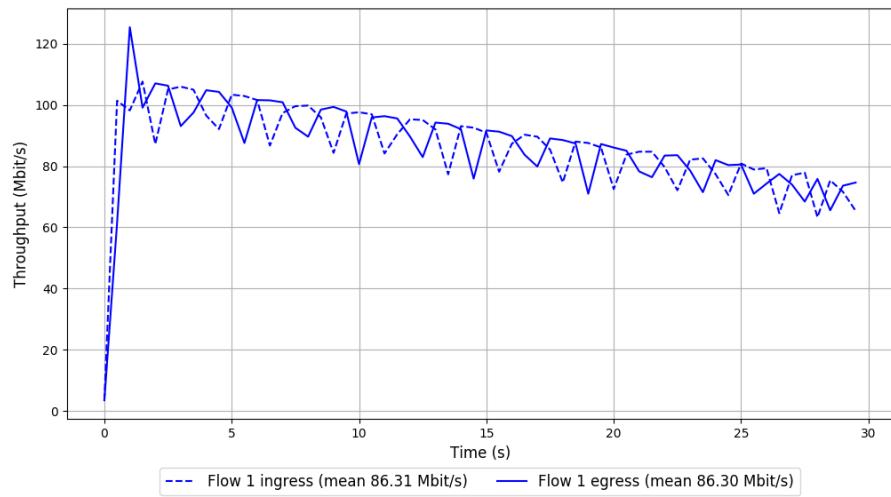
Run 2: Statistics of TCP Vegas

Start at: 2018-03-20 16:11:55

End at: 2018-03-20 16:12:25

```
# Below is generated by plot.py at 2018-03-20 20:24:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.30 Mbit/s
95th percentile per-packet one-way delay: 53.938 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.30 Mbit/s
95th percentile per-packet one-way delay: 53.938 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link



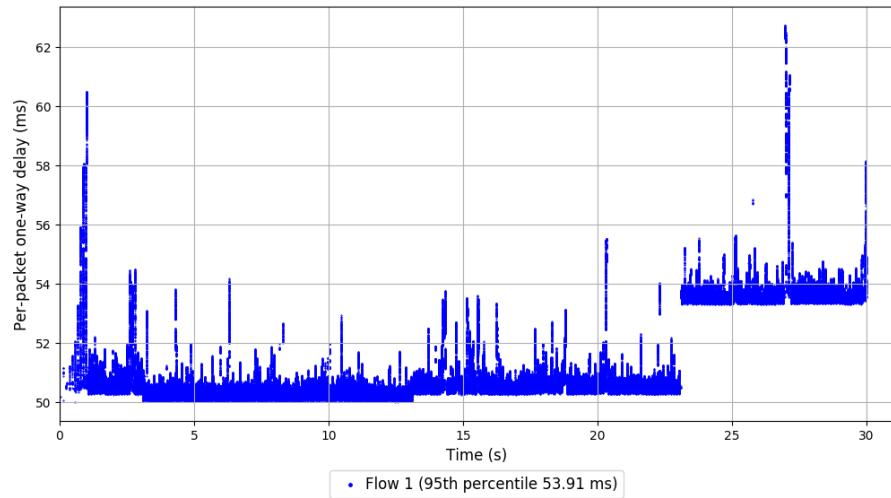
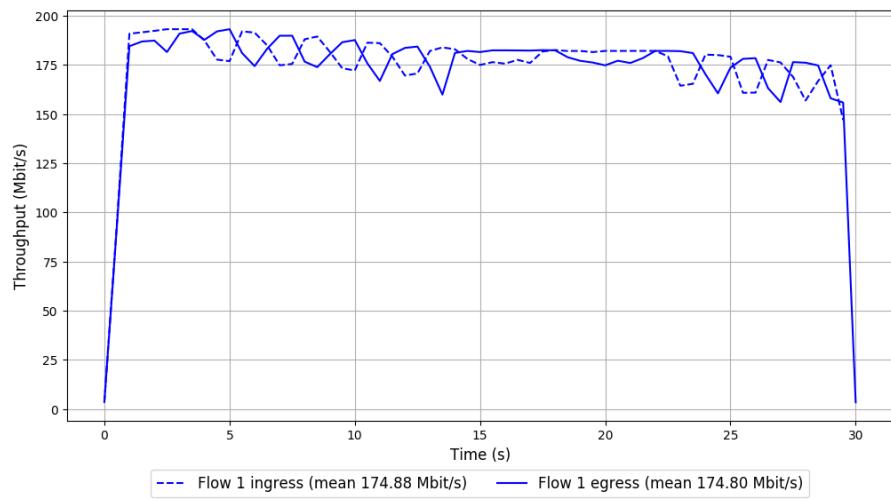
Run 3: Statistics of TCP Vegas

Start at: 2018-03-20 16:26:08

End at: 2018-03-20 16:26:38

```
# Below is generated by plot.py at 2018-03-20 20:24:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 174.80 Mbit/s
95th percentile per-packet one-way delay: 53.908 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 174.80 Mbit/s
95th percentile per-packet one-way delay: 53.908 ms
Loss rate: 0.05%
```

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



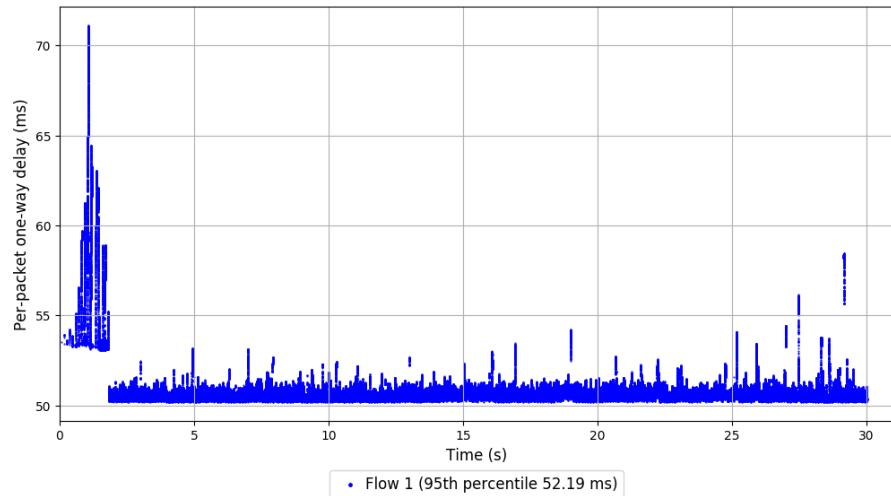
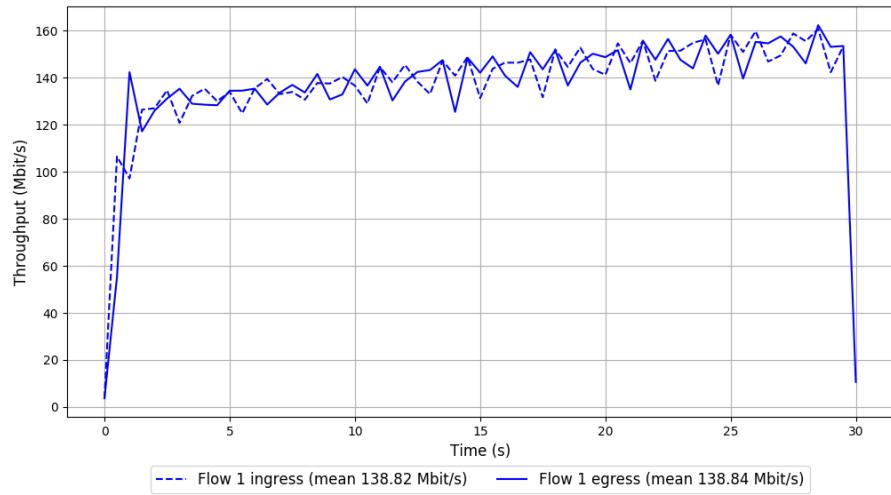
Run 4: Statistics of TCP Vegas

Start at: 2018-03-20 16:40:39

End at: 2018-03-20 16:41:09

```
# Below is generated by plot.py at 2018-03-20 20:24:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 138.84 Mbit/s
95th percentile per-packet one-way delay: 52.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 138.84 Mbit/s
95th percentile per-packet one-way delay: 52.193 ms
Loss rate: 0.00%
```

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



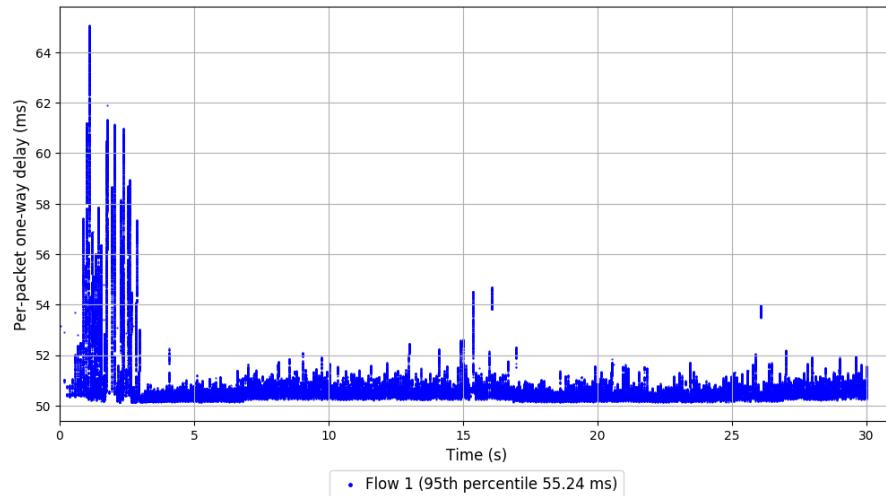
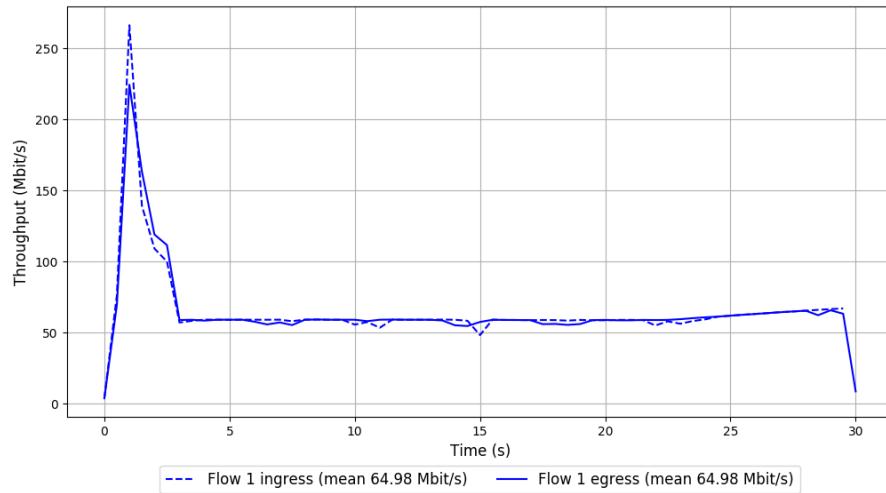
Run 5: Statistics of TCP Vegas

Start at: 2018-03-20 16:55:04

End at: 2018-03-20 16:55:34

```
# Below is generated by plot.py at 2018-03-20 20:24:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.98 Mbit/s
95th percentile per-packet one-way delay: 55.241 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.98 Mbit/s
95th percentile per-packet one-way delay: 55.241 ms
Loss rate: 0.00%
```

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



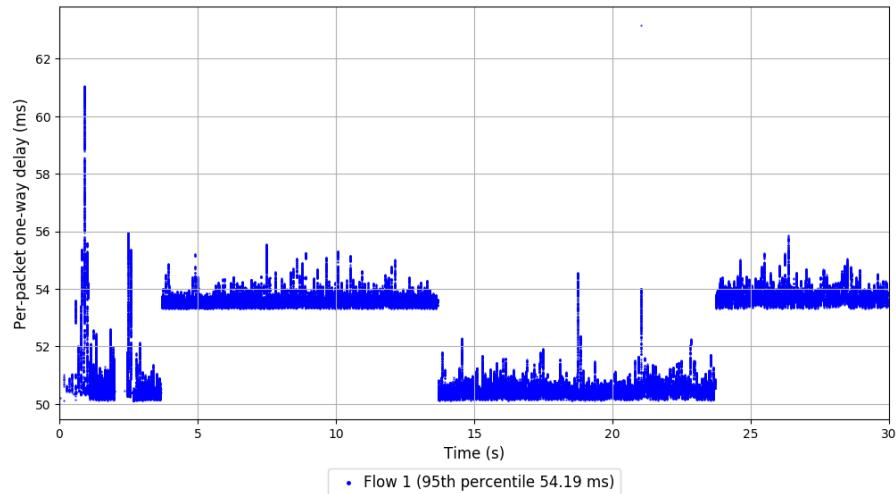
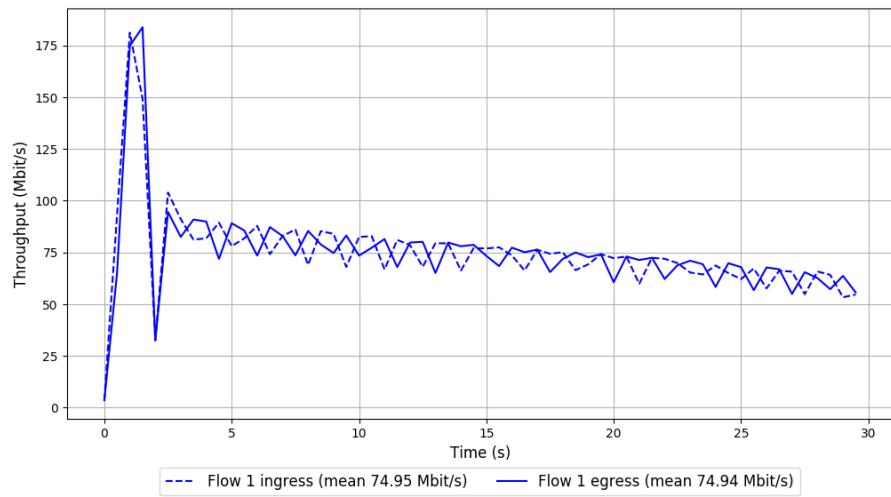
Run 6: Statistics of TCP Vegas

Start at: 2018-03-20 17:09:18

End at: 2018-03-20 17:09:48

```
# Below is generated by plot.py at 2018-03-20 20:24:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.94 Mbit/s
95th percentile per-packet one-way delay: 54.193 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 74.94 Mbit/s
95th percentile per-packet one-way delay: 54.193 ms
Loss rate: 0.01%
```

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



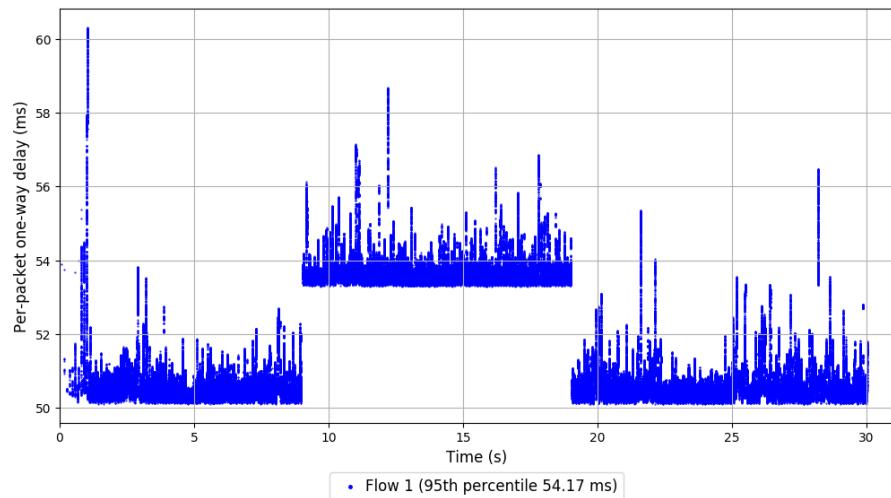
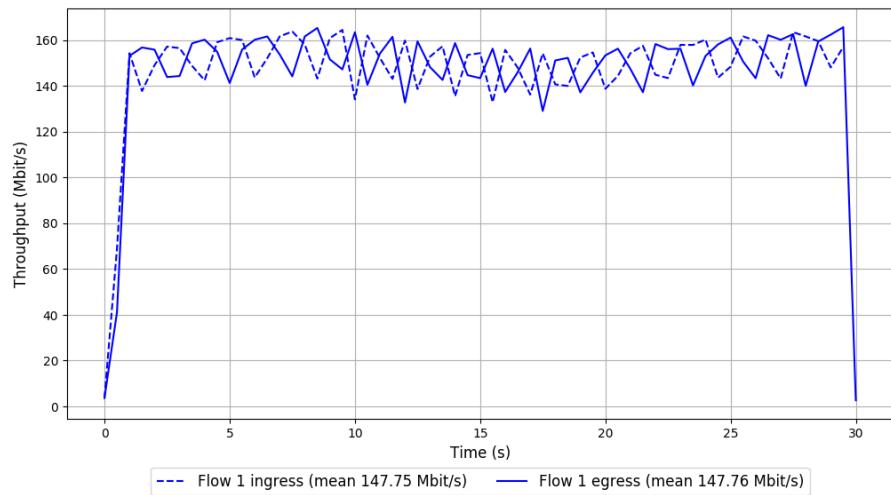
Run 7: Statistics of TCP Vegas

Start at: 2018-03-20 17:23:32

End at: 2018-03-20 17:24:02

```
# Below is generated by plot.py at 2018-03-20 20:24:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 147.76 Mbit/s
95th percentile per-packet one-way delay: 54.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.76 Mbit/s
95th percentile per-packet one-way delay: 54.169 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link



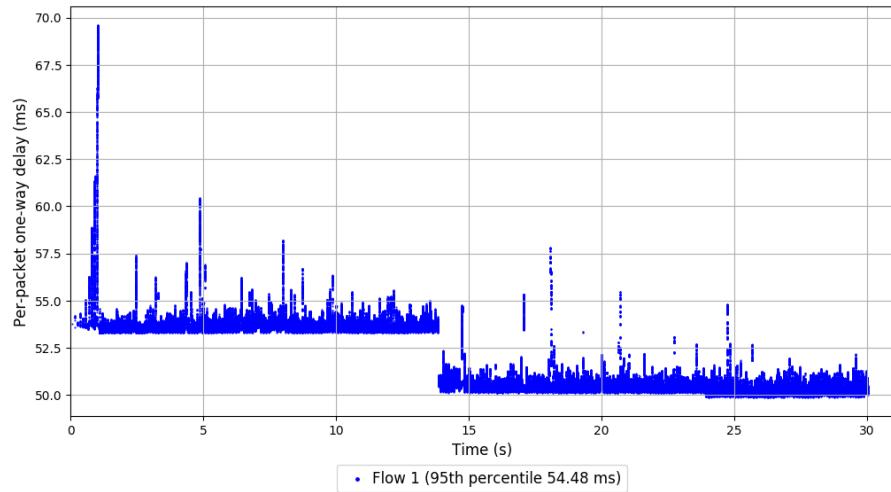
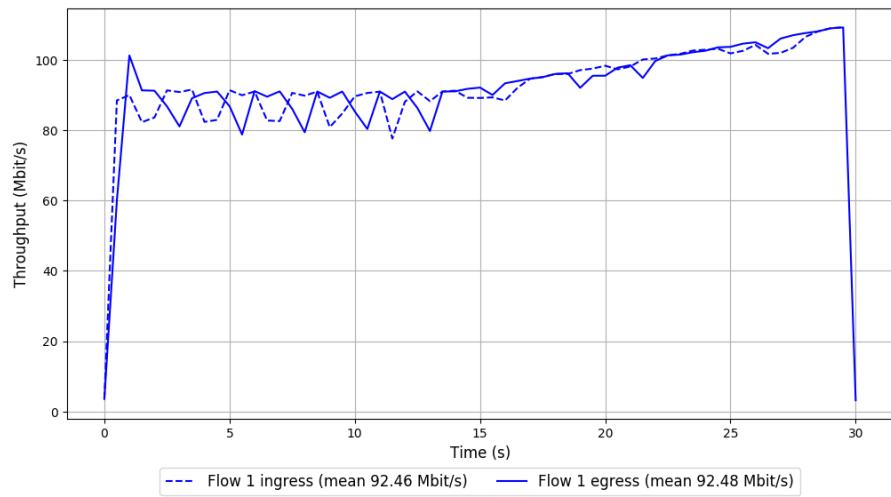
Run 8: Statistics of TCP Vegas

Start at: 2018-03-20 17:38:07

End at: 2018-03-20 17:38:37

```
# Below is generated by plot.py at 2018-03-20 20:24:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 54.478 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 54.478 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link



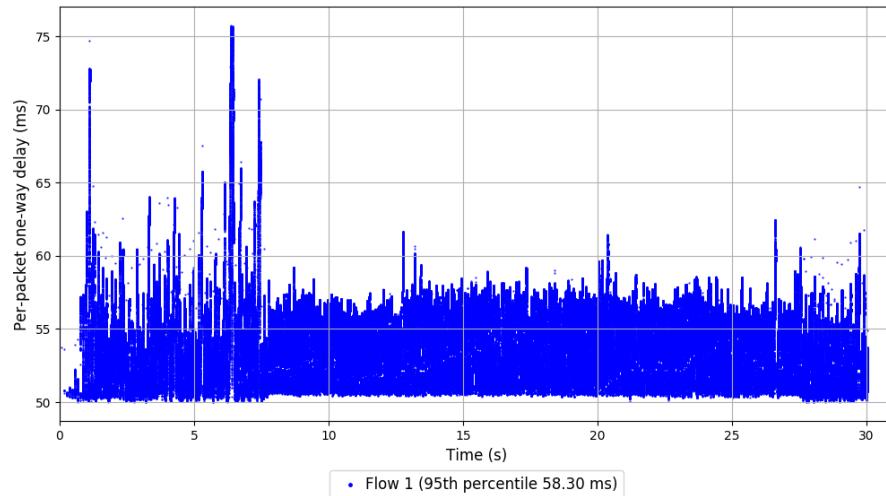
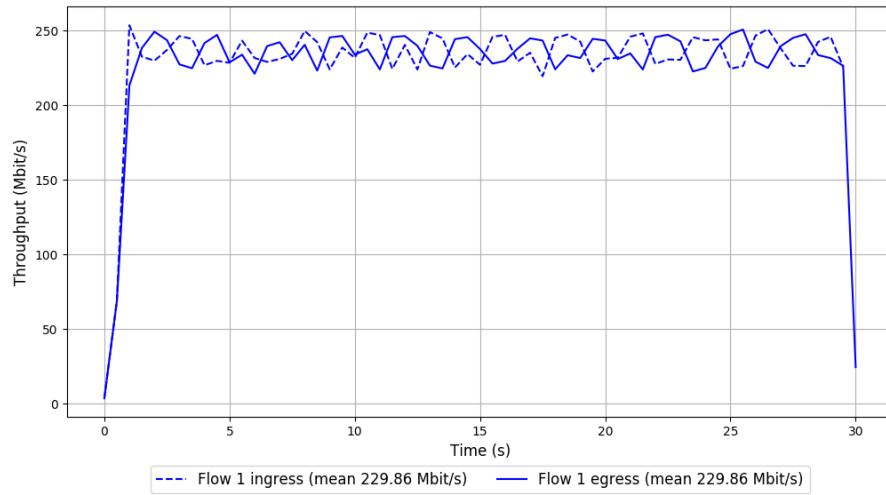
Run 9: Statistics of TCP Vegas

Start at: 2018-03-20 17:52:24

End at: 2018-03-20 17:52:54

```
# Below is generated by plot.py at 2018-03-20 20:26:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.86 Mbit/s
95th percentile per-packet one-way delay: 58.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.86 Mbit/s
95th percentile per-packet one-way delay: 58.295 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link



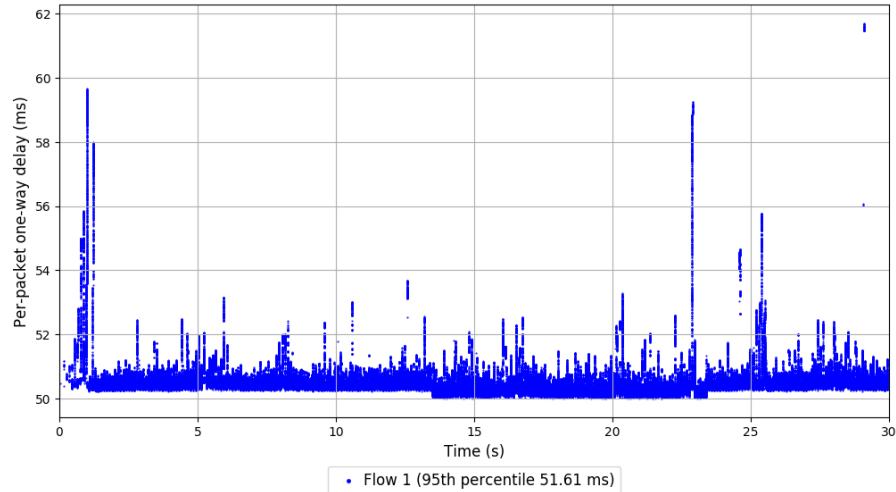
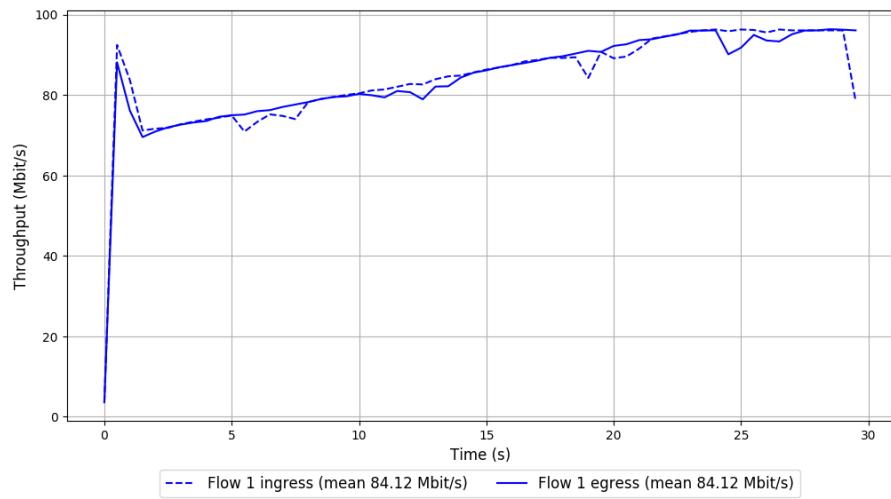
Run 10: Statistics of TCP Vegas

Start at: 2018-03-20 18:06:58

End at: 2018-03-20 18:07:28

```
# Below is generated by plot.py at 2018-03-20 20:26:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.12 Mbit/s
95th percentile per-packet one-way delay: 51.606 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.12 Mbit/s
95th percentile per-packet one-way delay: 51.606 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link



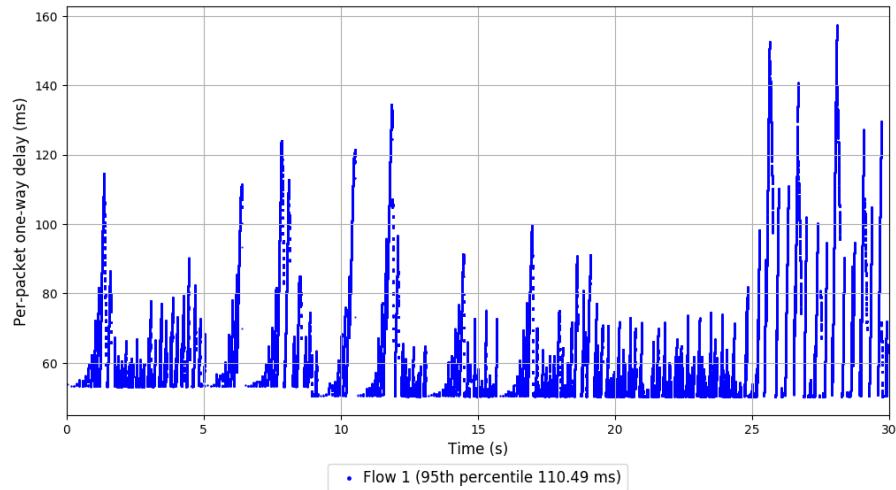
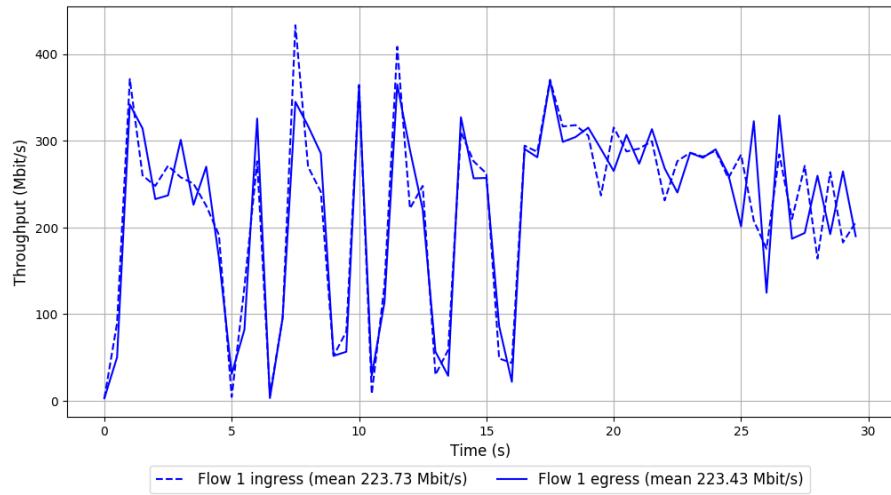
Run 1: Statistics of Verus

Start at: 2018-03-20 16:03:22

End at: 2018-03-20 16:03:52

```
# Below is generated by plot.py at 2018-03-20 20:26:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.43 Mbit/s
95th percentile per-packet one-way delay: 110.494 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 223.43 Mbit/s
95th percentile per-packet one-way delay: 110.494 ms
Loss rate: 0.12%
```

Run 1: Report of Verus — Data Link



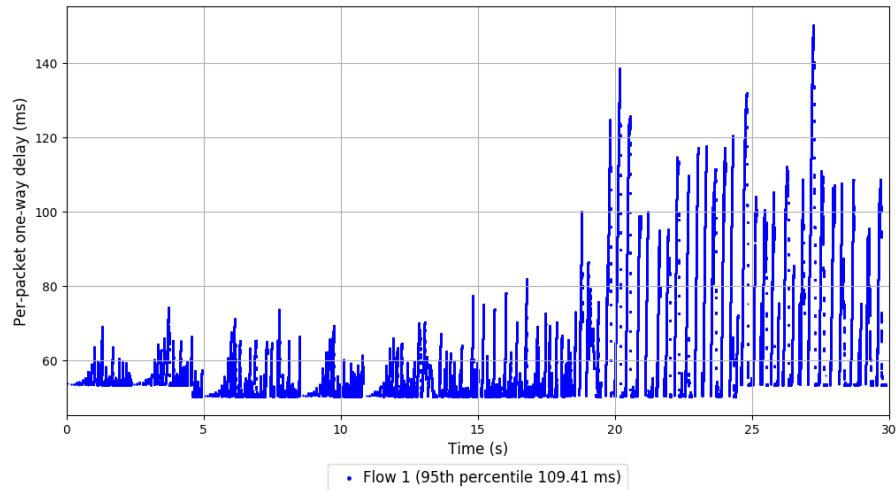
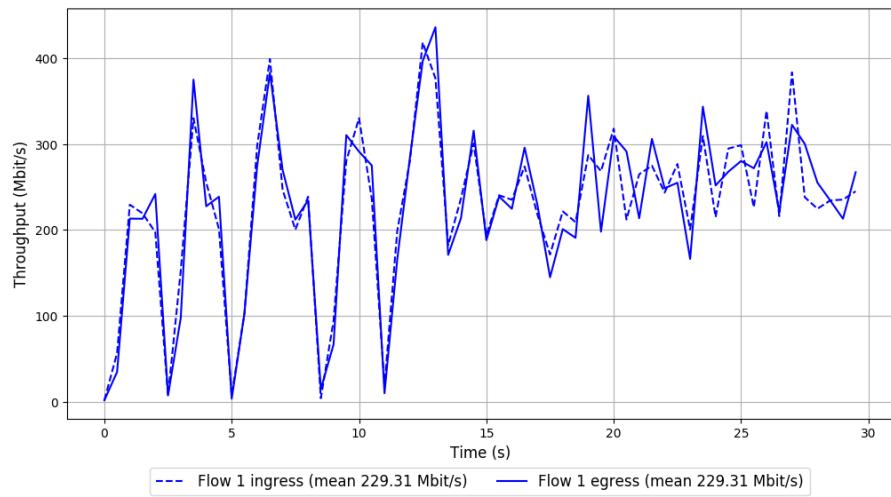
Run 2: Statistics of Verus

Start at: 2018-03-20 16:17:37

End at: 2018-03-20 16:18:07

```
# Below is generated by plot.py at 2018-03-20 20:27:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.31 Mbit/s
95th percentile per-packet one-way delay: 109.408 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.31 Mbit/s
95th percentile per-packet one-way delay: 109.408 ms
Loss rate: 0.00%
```

## Run 2: Report of Verus — Data Link



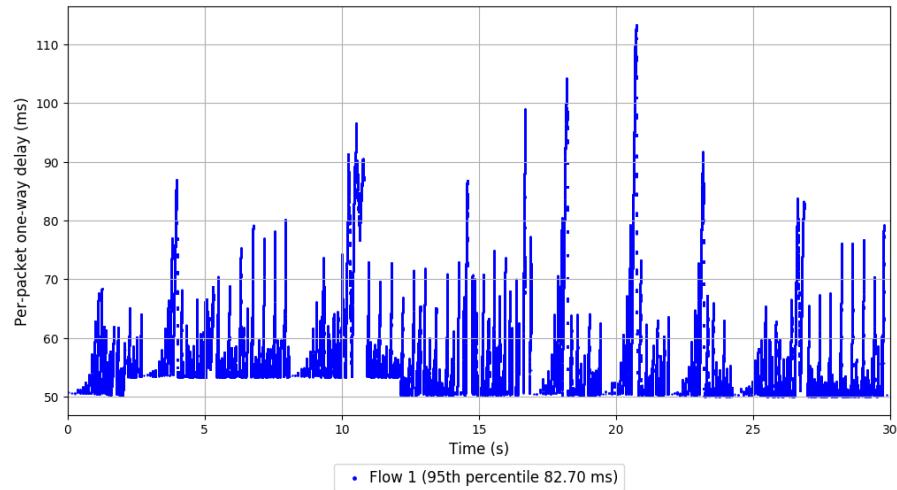
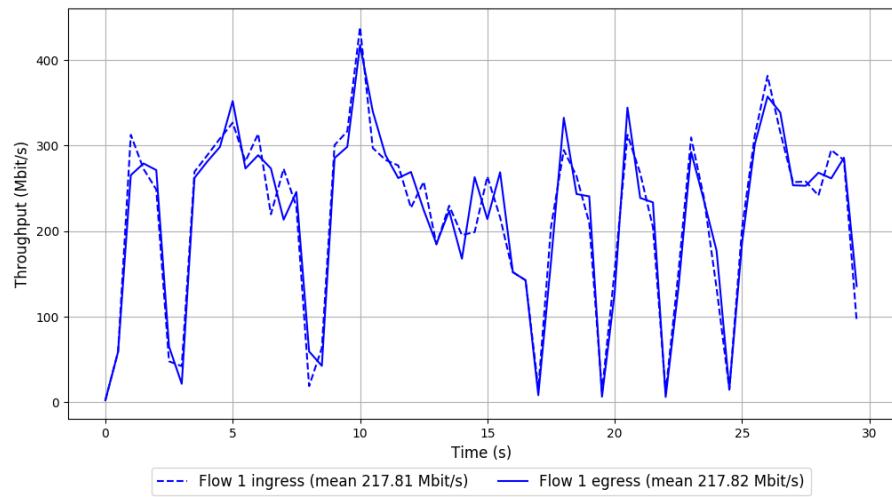
Run 3: Statistics of Verus

Start at: 2018-03-20 16:31:59

End at: 2018-03-20 16:32:29

```
# Below is generated by plot.py at 2018-03-20 20:27:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.82 Mbit/s
95th percentile per-packet one-way delay: 82.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.82 Mbit/s
95th percentile per-packet one-way delay: 82.705 ms
Loss rate: 0.00%
```

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



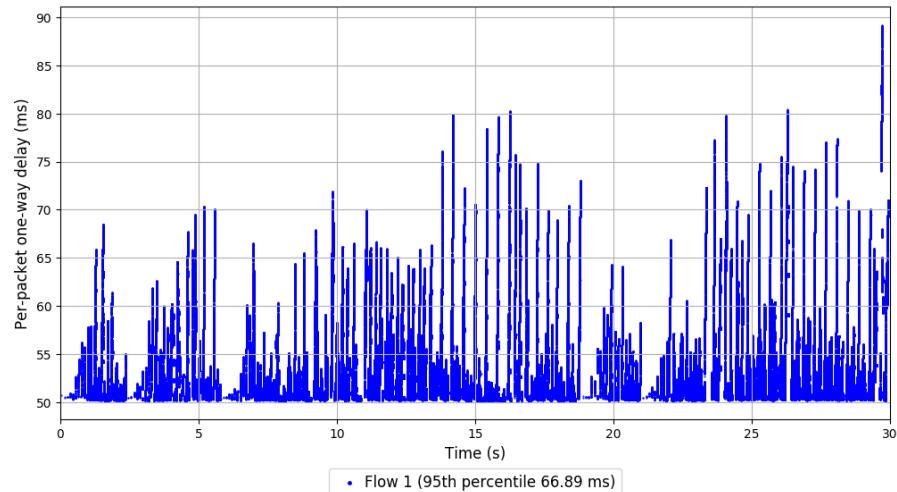
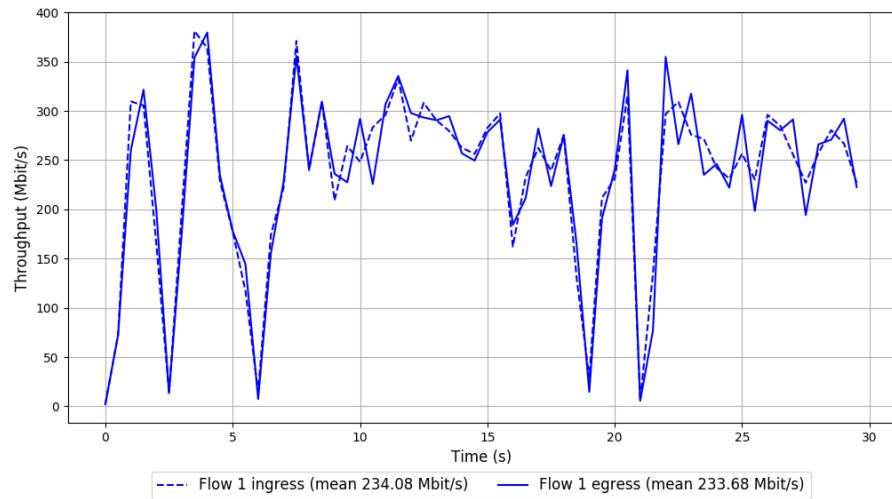
Run 4: Statistics of Verus

Start at: 2018-03-20 16:46:33

End at: 2018-03-20 16:47:03

```
# Below is generated by plot.py at 2018-03-20 20:27:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.68 Mbit/s
95th percentile per-packet one-way delay: 66.886 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 233.68 Mbit/s
95th percentile per-packet one-way delay: 66.886 ms
Loss rate: 0.17%
```

## Run 4: Report of Verus — Data Link



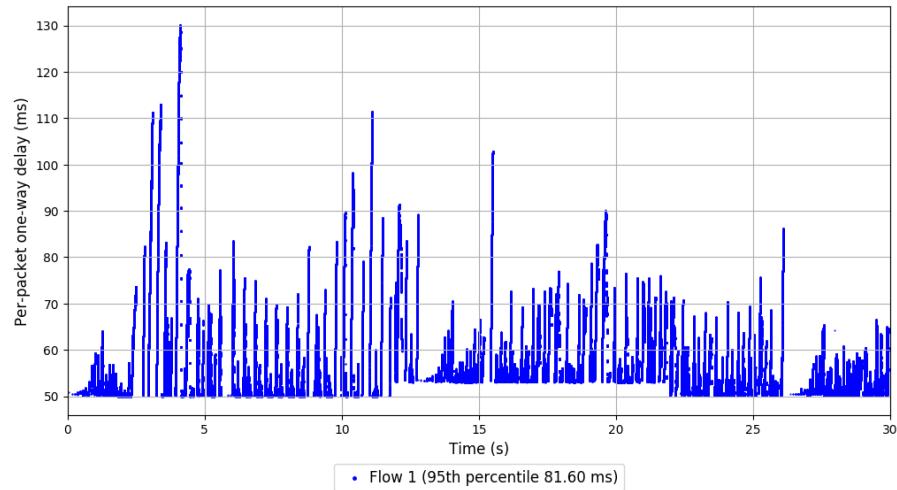
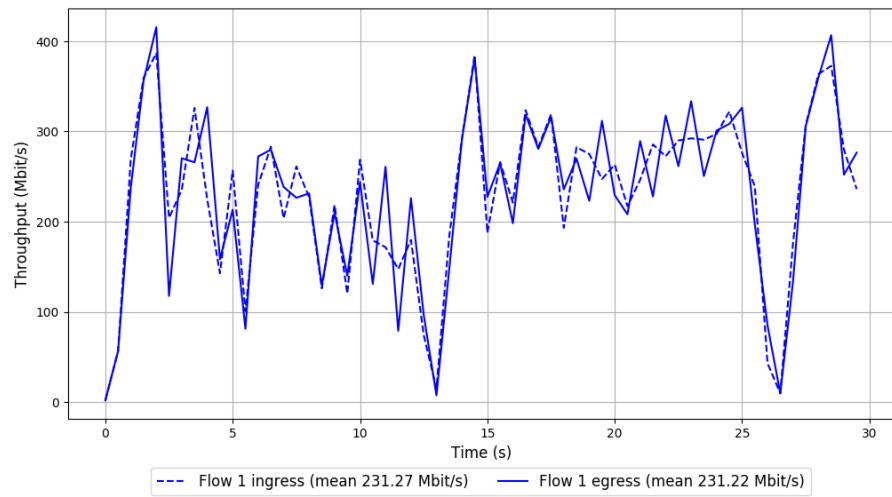
Run 5: Statistics of Verus

Start at: 2018-03-20 17:00:49

End at: 2018-03-20 17:01:19

```
# Below is generated by plot.py at 2018-03-20 20:27:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 231.22 Mbit/s
95th percentile per-packet one-way delay: 81.604 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 231.22 Mbit/s
95th percentile per-packet one-way delay: 81.604 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link



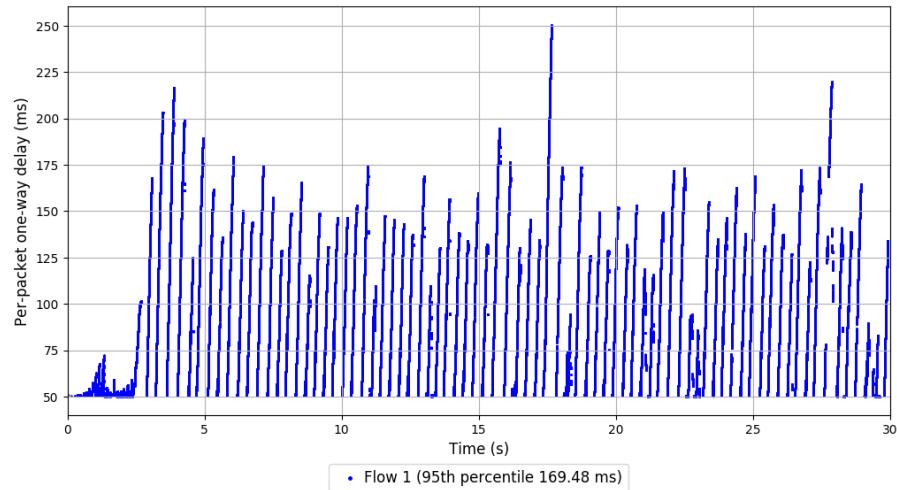
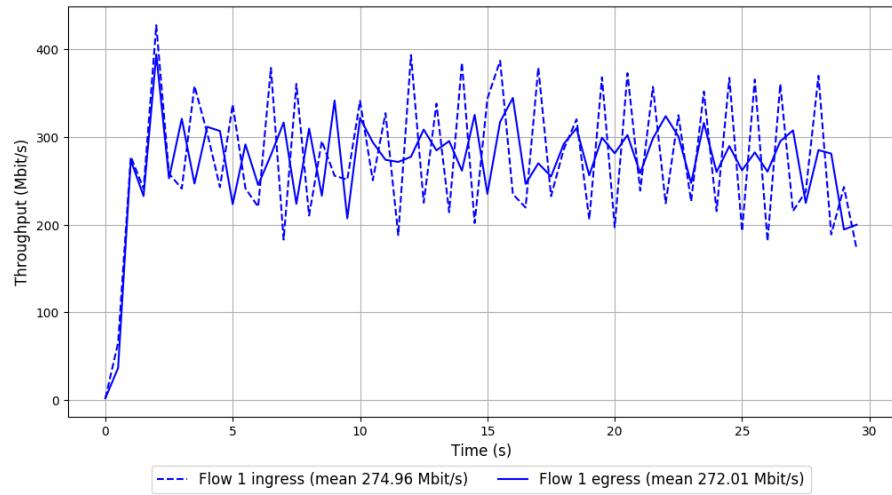
Run 6: Statistics of Verus

Start at: 2018-03-20 17:15:03

End at: 2018-03-20 17:15:33

```
# Below is generated by plot.py at 2018-03-20 20:28:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.01 Mbit/s
95th percentile per-packet one-way delay: 169.477 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 272.01 Mbit/s
95th percentile per-packet one-way delay: 169.477 ms
Loss rate: 0.83%
```

Run 6: Report of Verus — Data Link



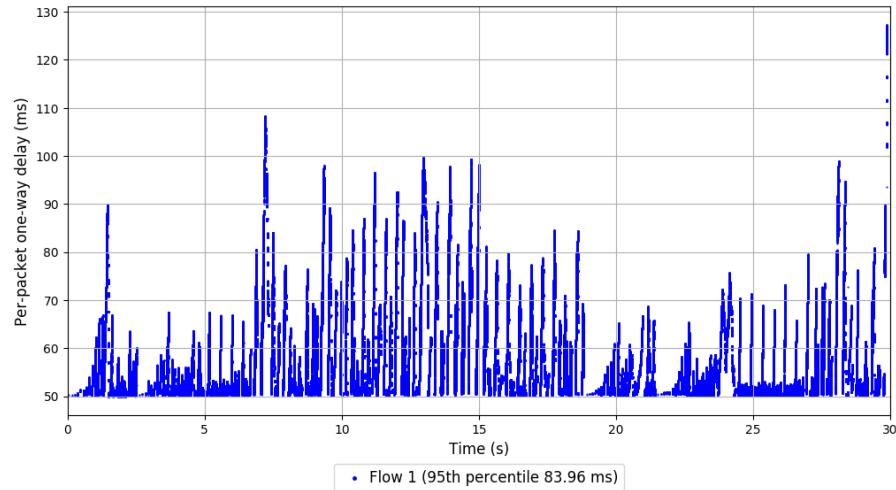
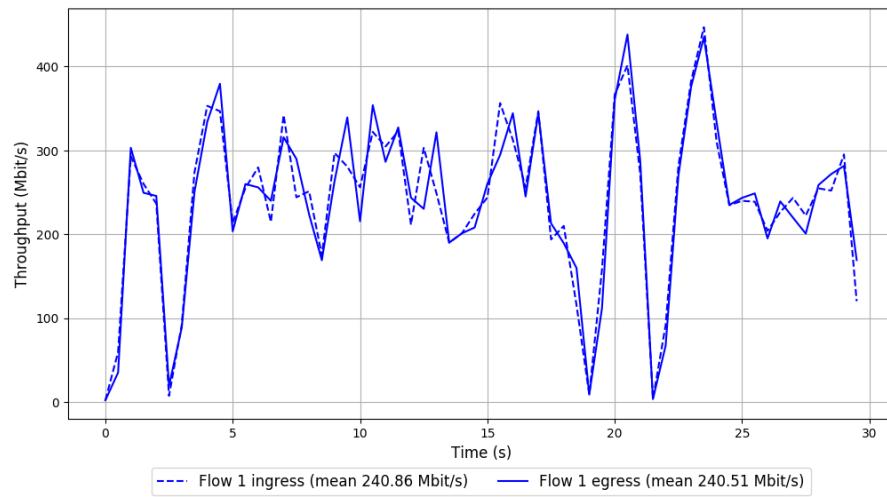
Run 7: Statistics of Verus

Start at: 2018-03-20 17:29:18

End at: 2018-03-20 17:29:48

```
# Below is generated by plot.py at 2018-03-20 20:28:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 240.51 Mbit/s
95th percentile per-packet one-way delay: 83.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 240.51 Mbit/s
95th percentile per-packet one-way delay: 83.957 ms
Loss rate: 0.00%
```

Run 7: Report of Verus — Data Link



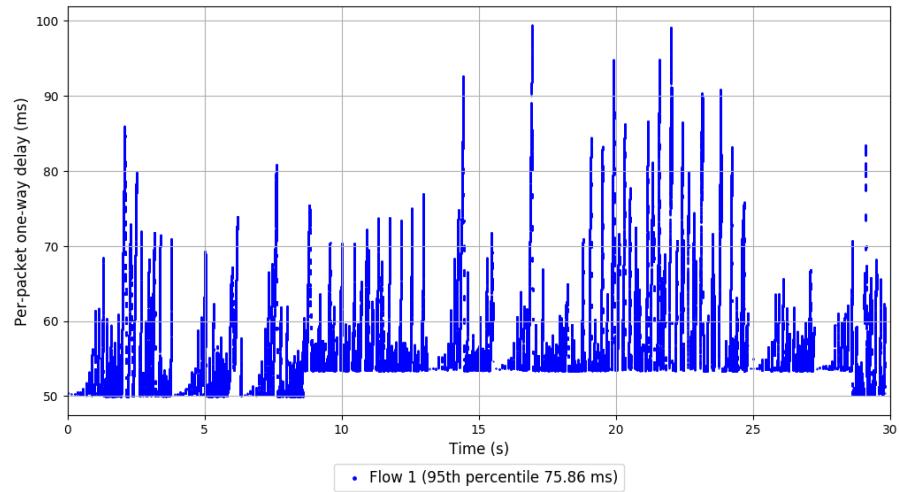
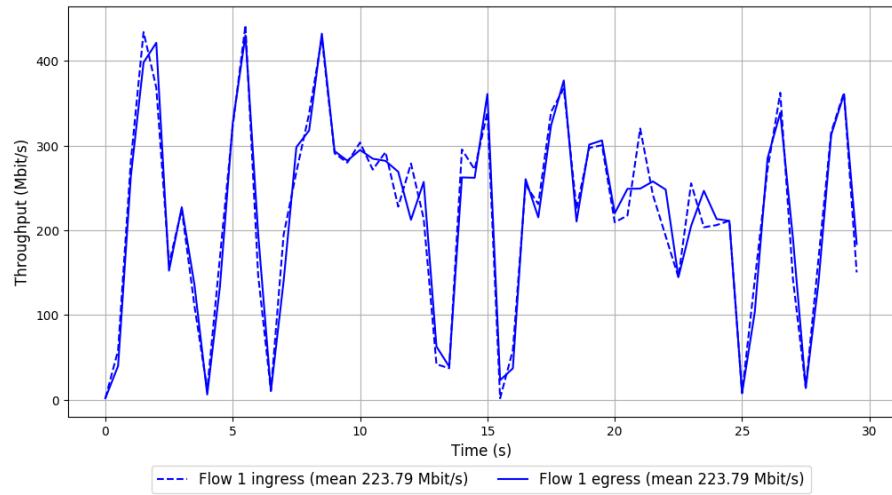
Run 8: Statistics of Verus

Start at: 2018-03-20 17:43:53

End at: 2018-03-20 17:44:23

```
# Below is generated by plot.py at 2018-03-20 20:30:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.79 Mbit/s
95th percentile per-packet one-way delay: 75.861 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.79 Mbit/s
95th percentile per-packet one-way delay: 75.861 ms
Loss rate: 0.00%
```

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



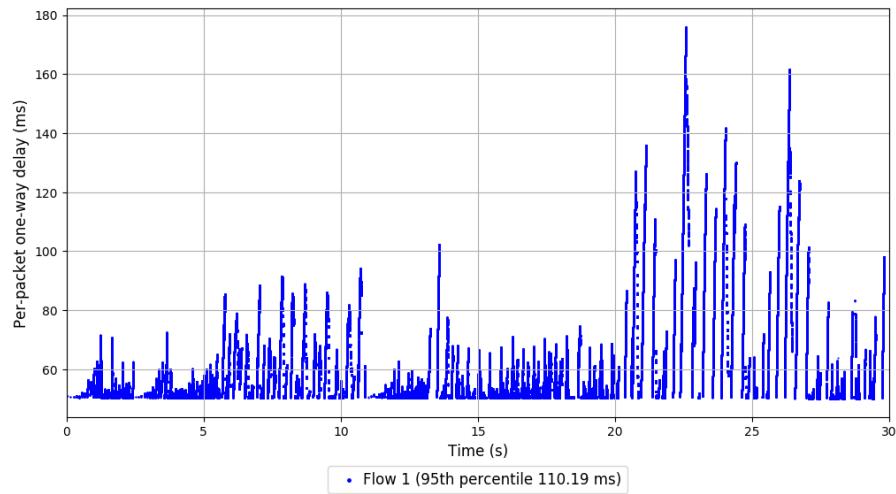
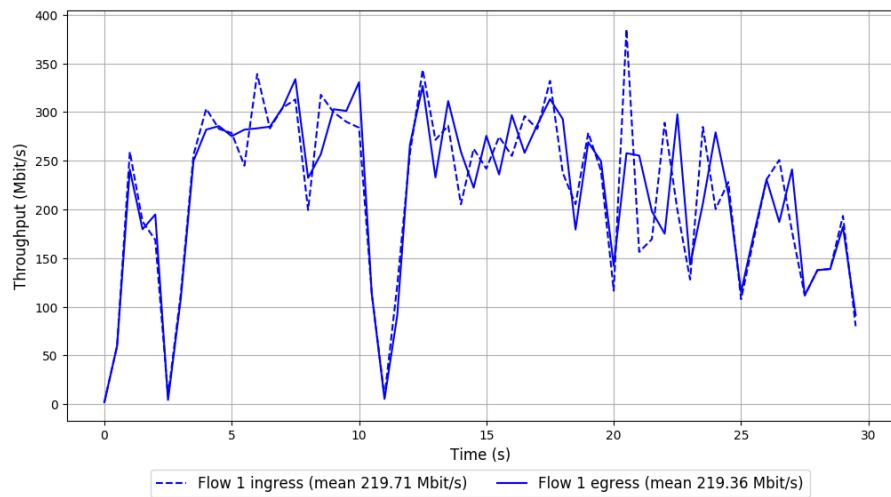
Run 9: Statistics of Verus

Start at: 2018-03-20 17:58:15

End at: 2018-03-20 17:58:45

```
# Below is generated by plot.py at 2018-03-20 20:30:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 219.36 Mbit/s
95th percentile per-packet one-way delay: 110.191 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.36 Mbit/s
95th percentile per-packet one-way delay: 110.191 ms
Loss rate: 0.00%
```

Run 9: Report of Verus — Data Link



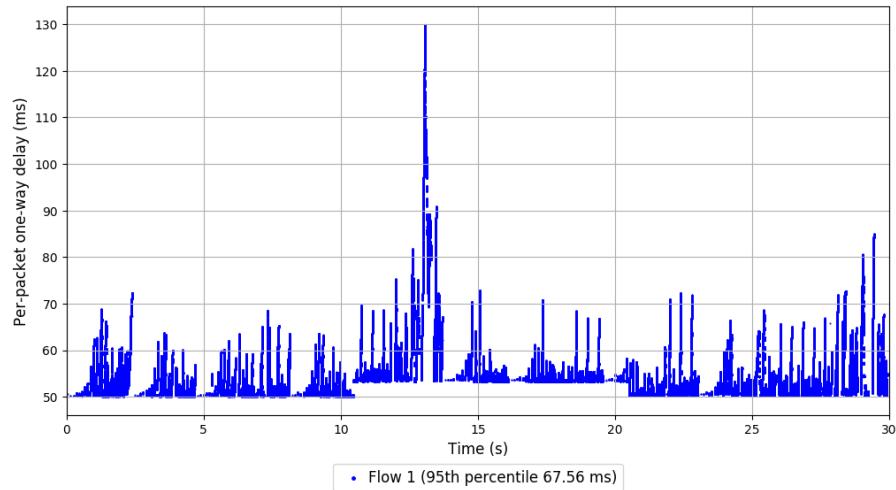
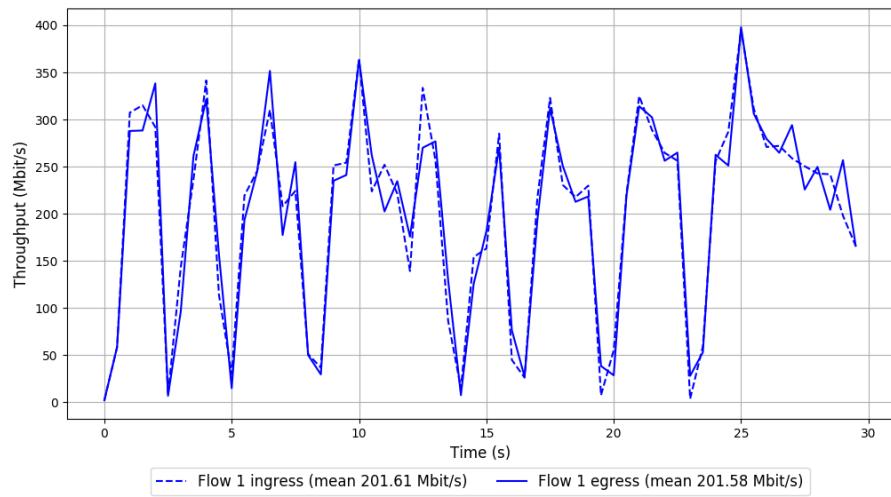
Run 10: Statistics of Verus

Start at: 2018-03-20 18:12:41

End at: 2018-03-20 18:13:11

```
# Below is generated by plot.py at 2018-03-20 20:30:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.58 Mbit/s
95th percentile per-packet one-way delay: 67.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.58 Mbit/s
95th percentile per-packet one-way delay: 67.557 ms
Loss rate: 0.00%
```

Run 10: Report of Verus — Data Link



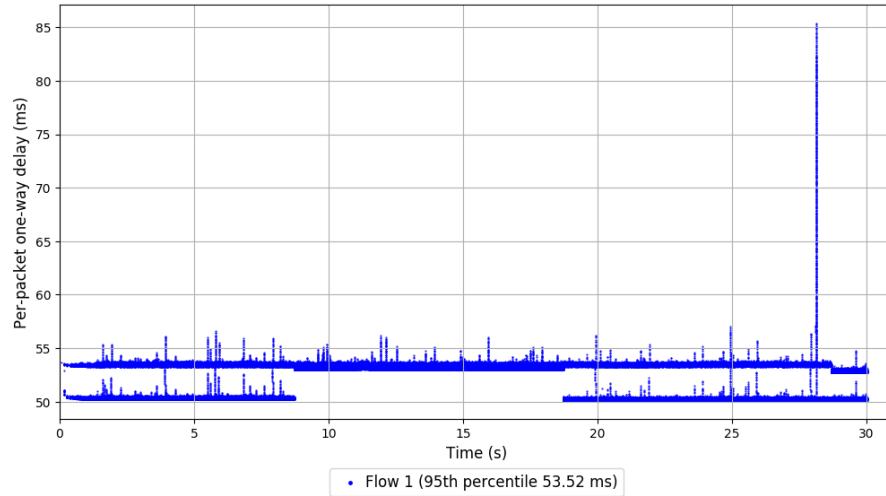
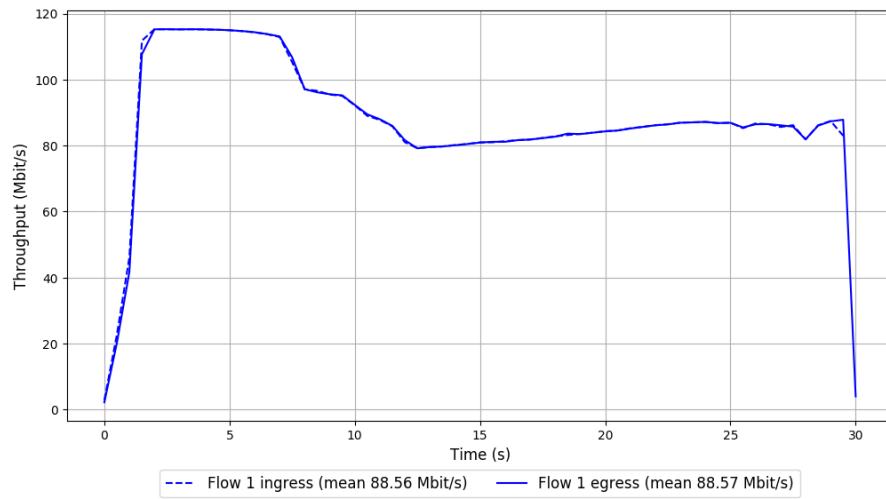
Run 1: Statistics of Copa

Start at: 2018-03-20 16:00:42

End at: 2018-03-20 16:01:13

```
# Below is generated by plot.py at 2018-03-20 20:30:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 53.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 53.524 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link



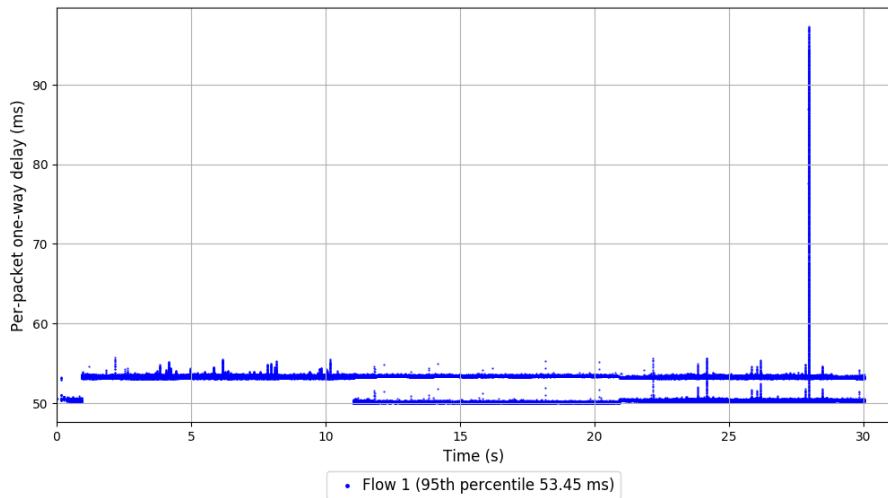
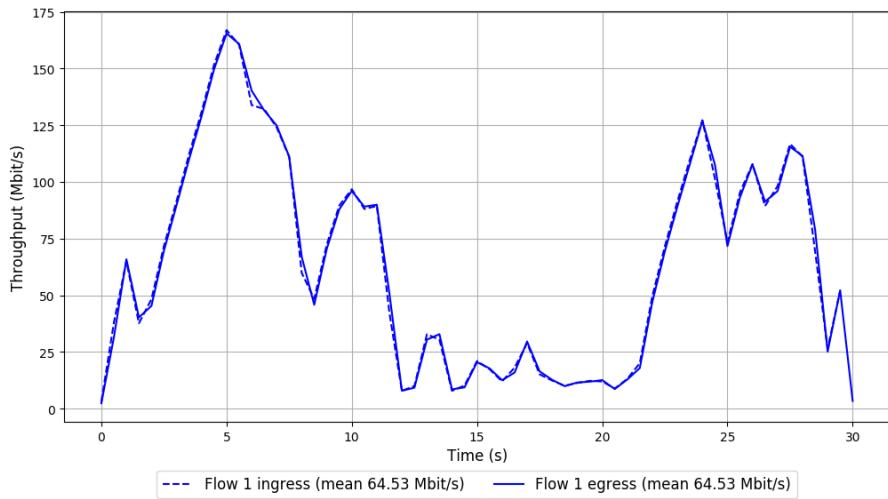
Run 2: Statistics of Copa

Start at: 2018-03-20 16:15:00

End at: 2018-03-20 16:15:30

```
# Below is generated by plot.py at 2018-03-20 20:30:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.53 Mbit/s
95th percentile per-packet one-way delay: 53.452 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.53 Mbit/s
95th percentile per-packet one-way delay: 53.452 ms
Loss rate: 0.00%
```

## Run 2: Report of Copa — Data Link



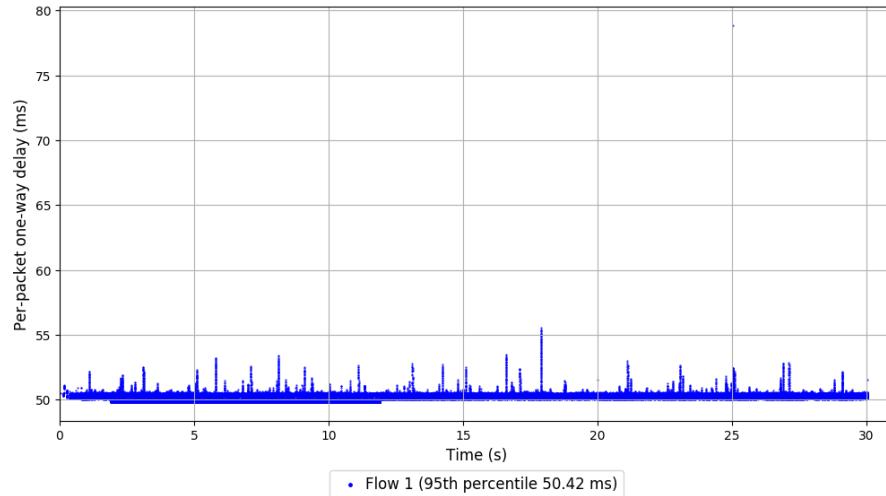
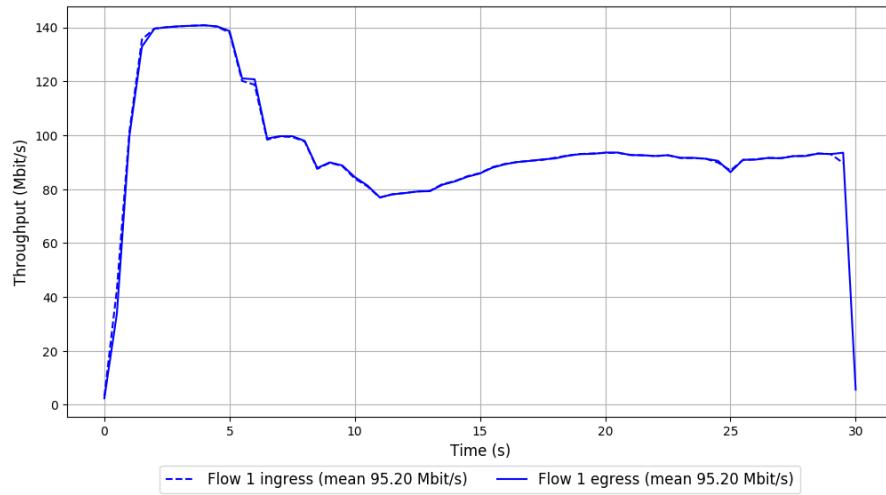
Run 3: Statistics of Copa

Start at: 2018-03-20 16:29:19

End at: 2018-03-20 16:29:49

```
# Below is generated by plot.py at 2018-03-20 20:30:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 50.418 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 50.418 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

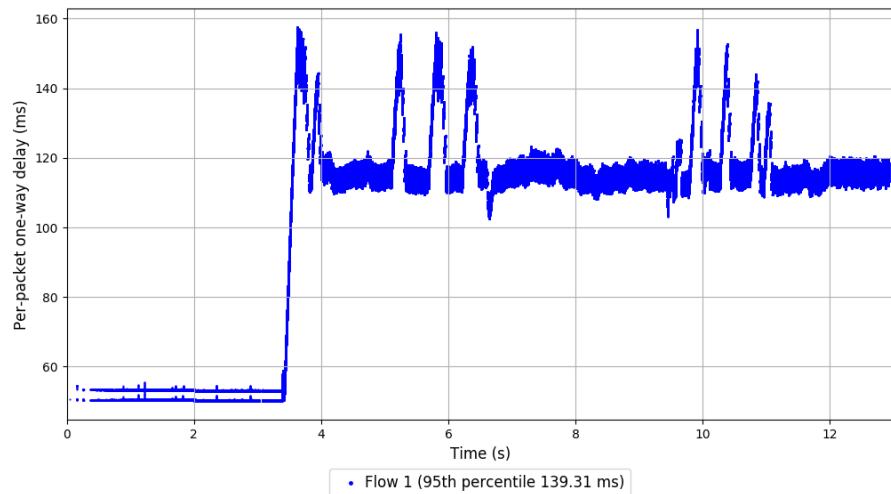
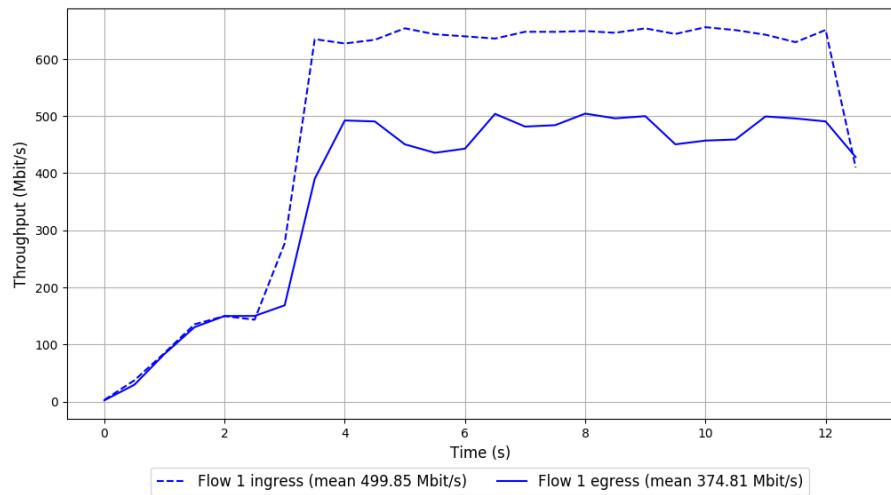


Run 4: Statistics of Copa

Start at: 2018-03-20 16:43:49

End at: 2018-03-20 16:44:19

### Run 4: Report of Copa — Data Link



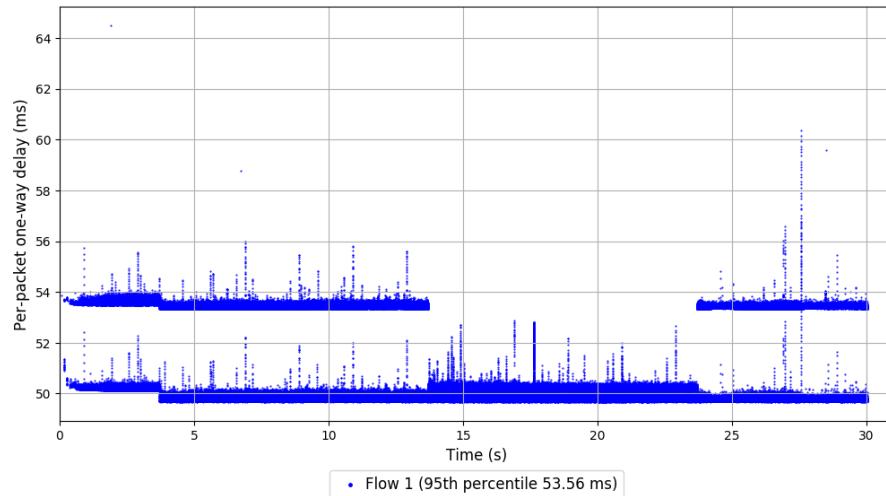
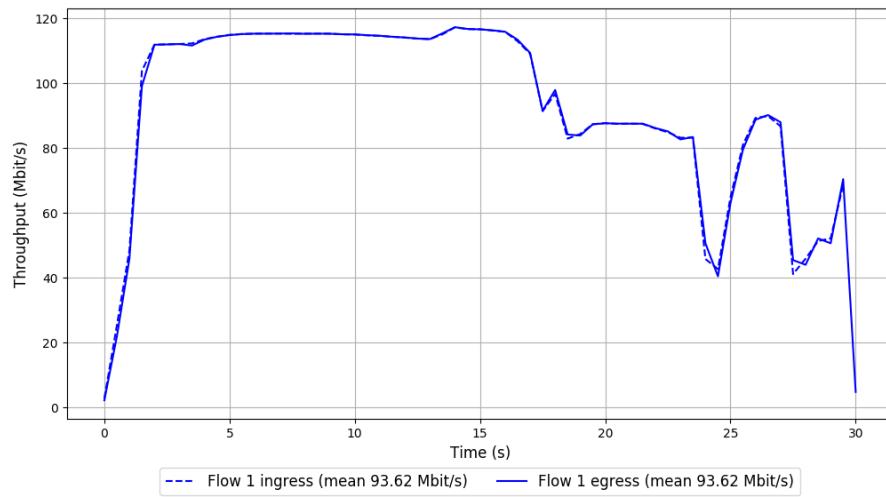
Run 5: Statistics of Copa

Start at: 2018-03-20 16:58:08

End at: 2018-03-20 16:58:38

```
# Below is generated by plot.py at 2018-03-20 20:34:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 53.562 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 53.562 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link



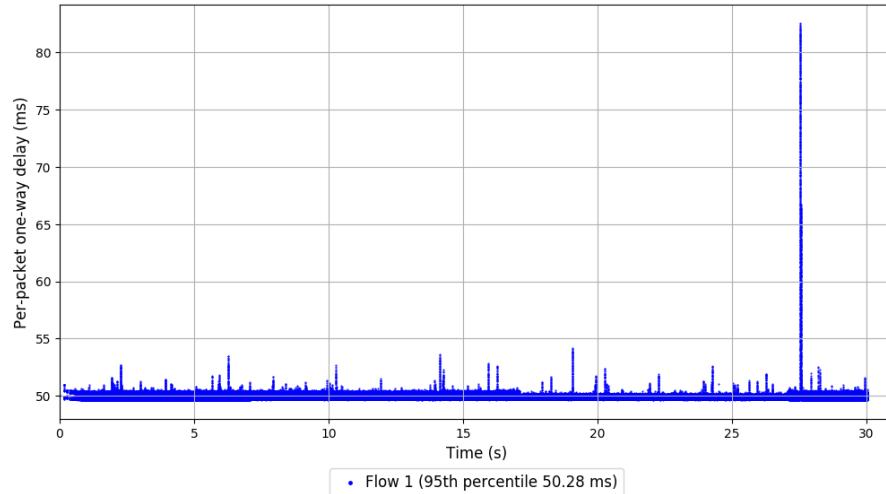
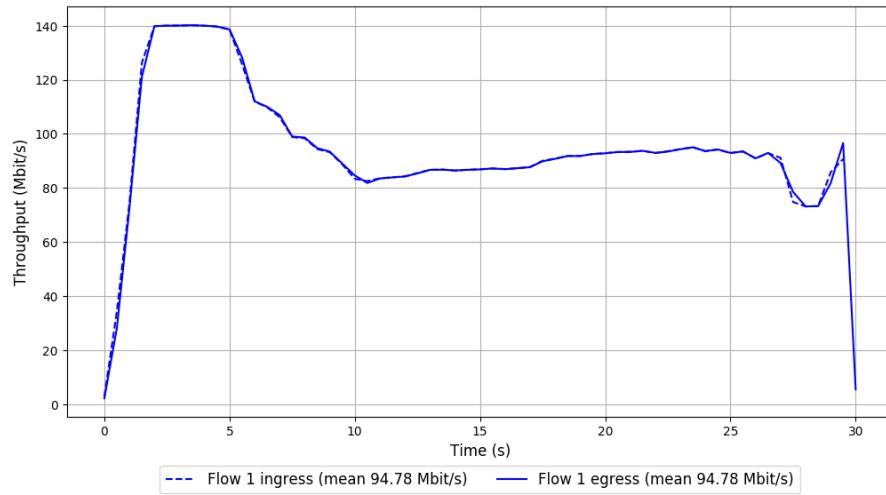
Run 6: Statistics of Copa

Start at: 2018-03-20 17:12:24

End at: 2018-03-20 17:12:54

```
# Below is generated by plot.py at 2018-03-20 20:34:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 50.278 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 50.278 ms
Loss rate: 0.00%
```

### Run 6: Report of Copa — Data Link



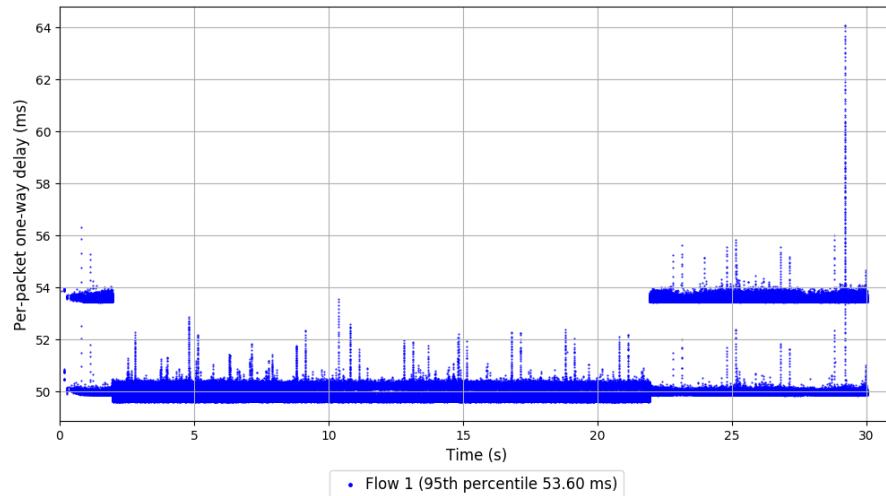
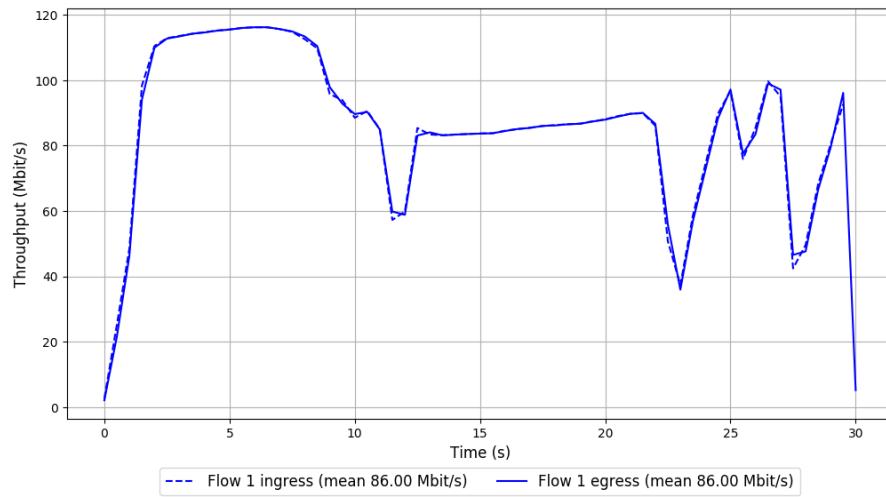
Run 7: Statistics of Copa

Start at: 2018-03-20 17:26:39

End at: 2018-03-20 17:27:09

```
# Below is generated by plot.py at 2018-03-20 20:34:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.00 Mbit/s
95th percentile per-packet one-way delay: 53.604 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.00 Mbit/s
95th percentile per-packet one-way delay: 53.604 ms
Loss rate: 0.00%
```

### Run 7: Report of Copa — Data Link



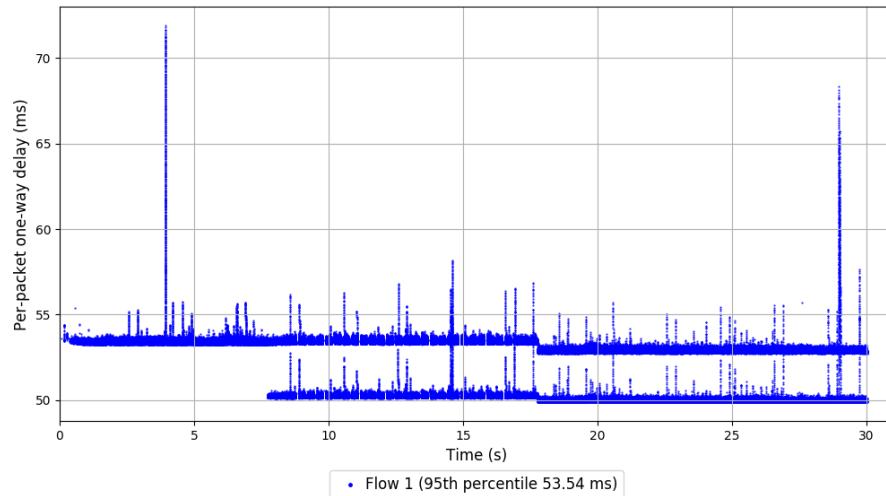
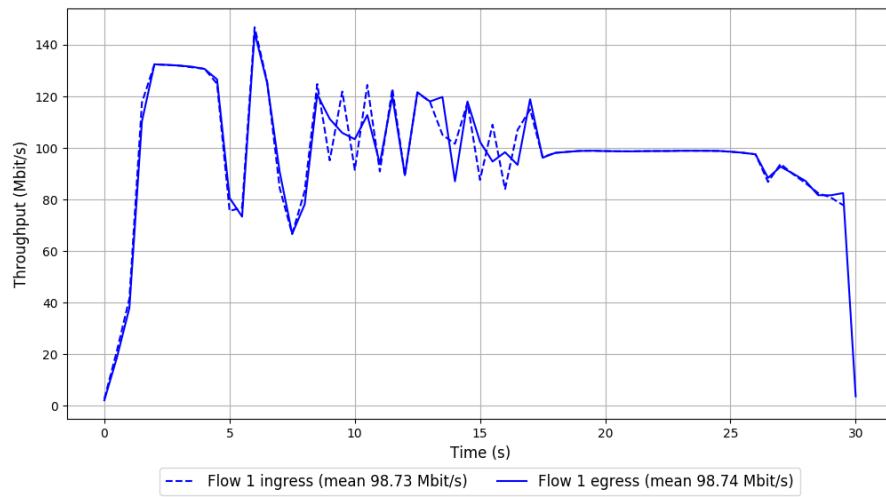
Run 8: Statistics of Copa

Start at: 2018-03-20 17:41:13

End at: 2018-03-20 17:41:44

```
# Below is generated by plot.py at 2018-03-20 20:34:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 98.74 Mbit/s
95th percentile per-packet one-way delay: 53.536 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 98.74 Mbit/s
95th percentile per-packet one-way delay: 53.536 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link



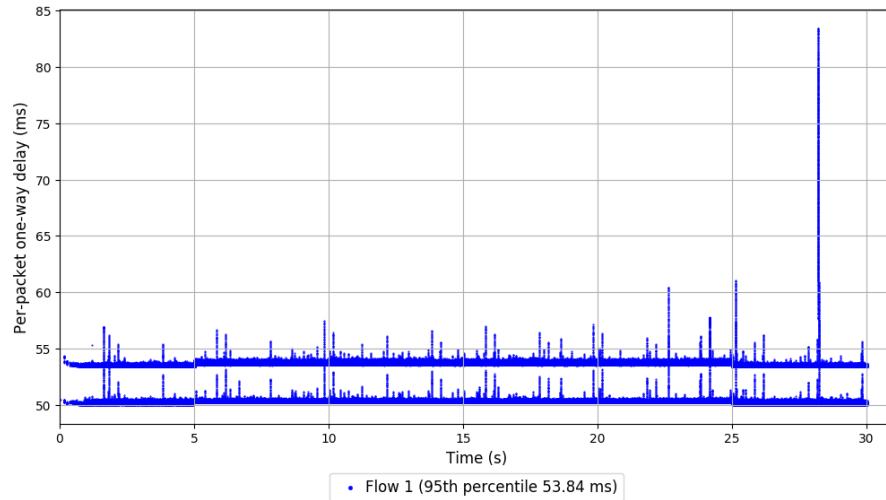
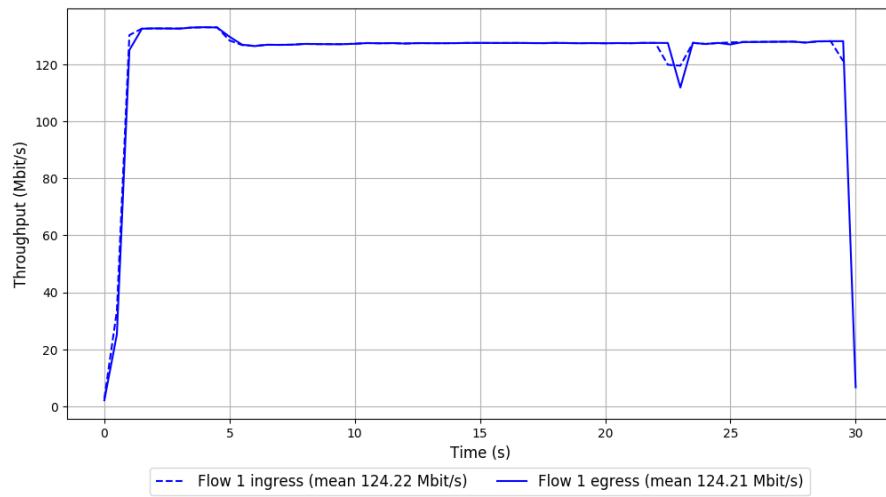
Run 9: Statistics of Copa

Start at: 2018-03-20 17:55:36

End at: 2018-03-20 17:56:06

```
# Below is generated by plot.py at 2018-03-20 20:34:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.21 Mbit/s
95th percentile per-packet one-way delay: 53.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.21 Mbit/s
95th percentile per-packet one-way delay: 53.843 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link



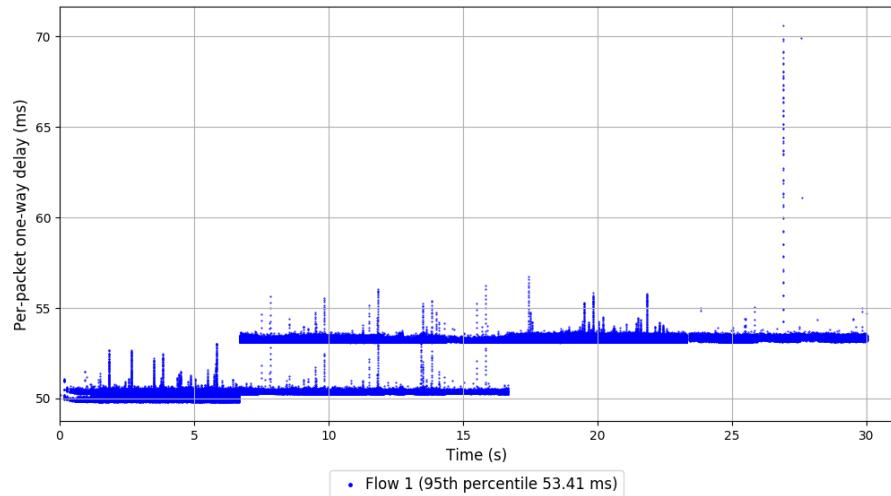
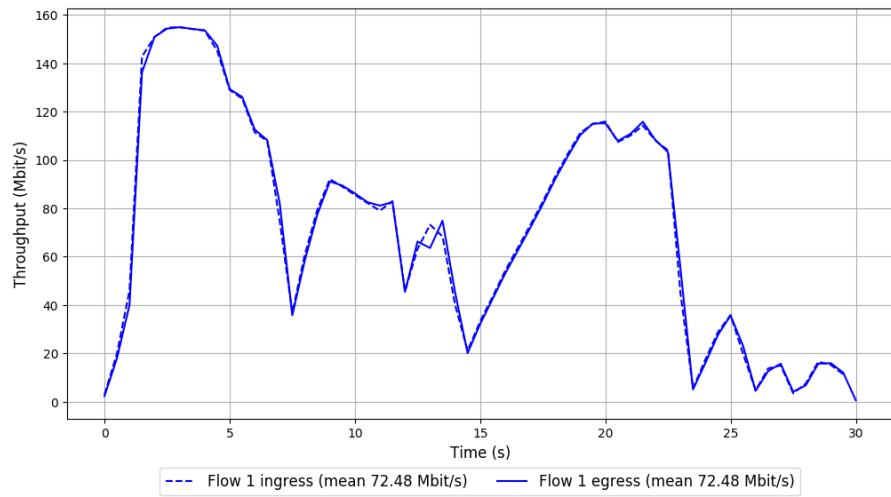
Run 10: Statistics of Copa

Start at: 2018-03-20 18:10:05

End at: 2018-03-20 18:10:35

```
# Below is generated by plot.py at 2018-03-20 20:34:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.48 Mbit/s
95th percentile per-packet one-way delay: 53.410 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.48 Mbit/s
95th percentile per-packet one-way delay: 53.410 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link



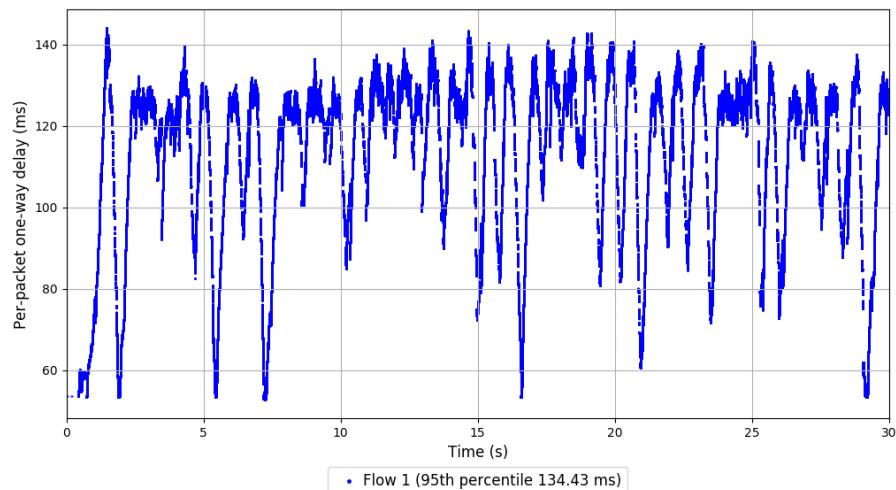
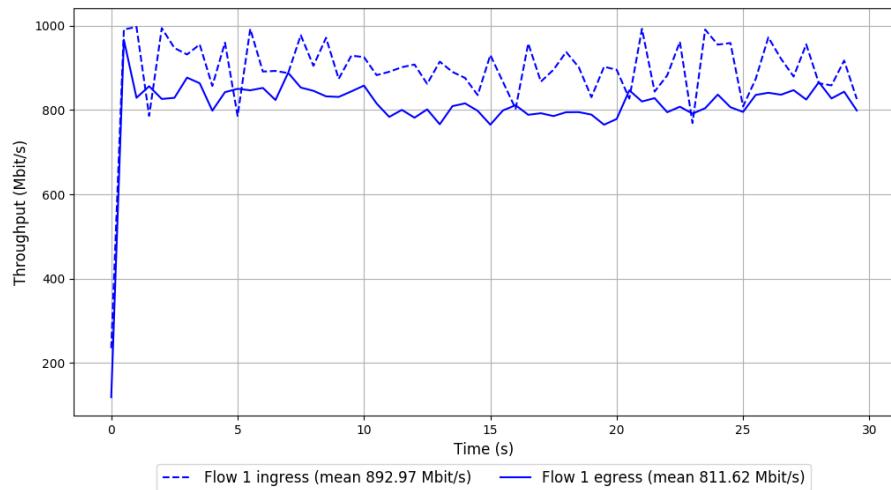
Run 1: Statistics of FillP

Start at: 2018-03-20 15:53:55

End at: 2018-03-20 15:54:25

```
# Below is generated by plot.py at 2018-03-20 20:46:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 811.62 Mbit/s
95th percentile per-packet one-way delay: 134.431 ms
Loss rate: 9.11%
-- Flow 1:
Average throughput: 811.62 Mbit/s
95th percentile per-packet one-way delay: 134.431 ms
Loss rate: 9.11%
```

Run 1: Report of FillP — Data Link



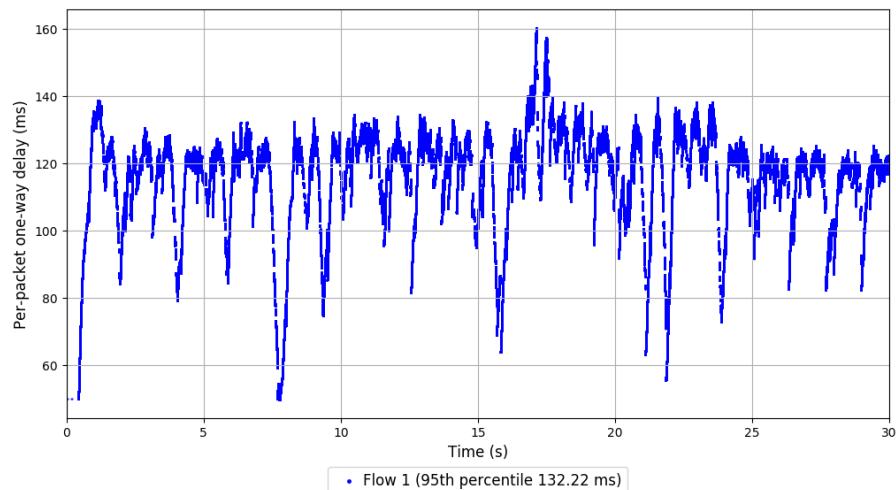
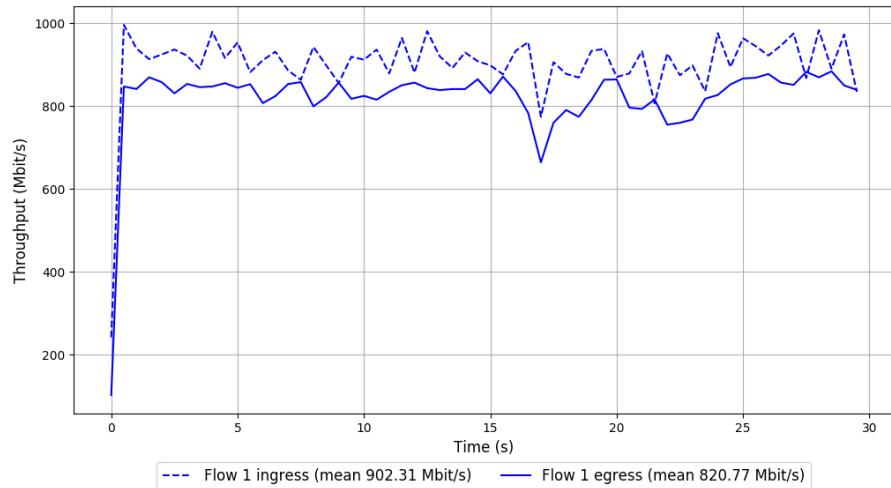
Run 2: Statistics of FillP

Start at: 2018-03-20 16:08:21

End at: 2018-03-20 16:08:51

```
# Below is generated by plot.py at 2018-03-20 20:47:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 820.77 Mbit/s
95th percentile per-packet one-way delay: 132.221 ms
Loss rate: 9.03%
-- Flow 1:
Average throughput: 820.77 Mbit/s
95th percentile per-packet one-way delay: 132.221 ms
Loss rate: 9.03%
```

## Run 2: Report of FillP — Data Link



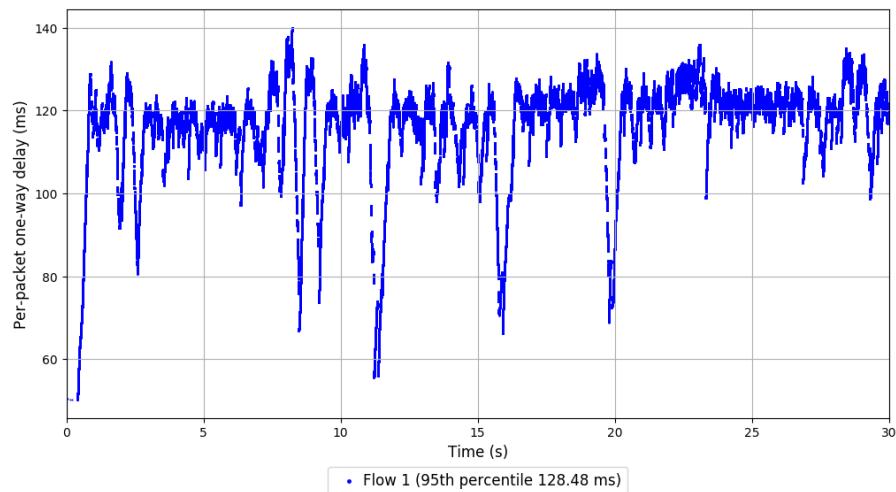
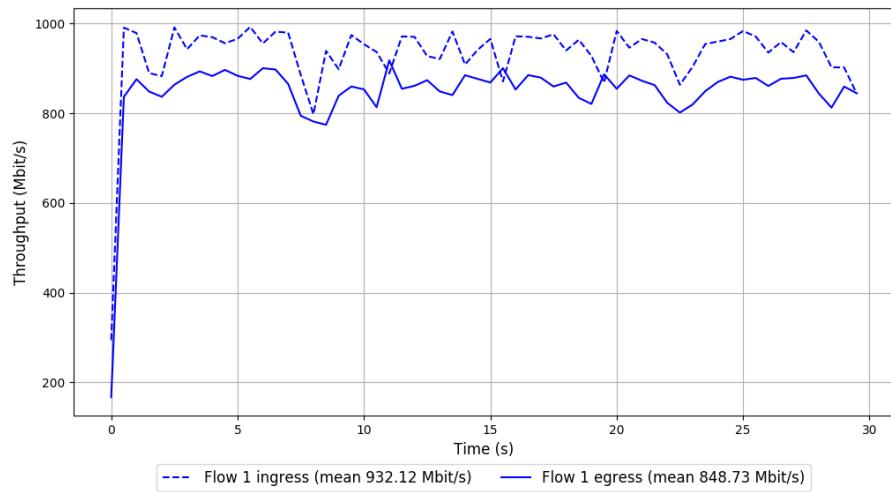
Run 3: Statistics of FillP

Start at: 2018-03-20 16:22:35

End at: 2018-03-20 16:23:05

```
# Below is generated by plot.py at 2018-03-20 20:48:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 848.73 Mbit/s
95th percentile per-packet one-way delay: 128.482 ms
Loss rate: 8.95%
-- Flow 1:
Average throughput: 848.73 Mbit/s
95th percentile per-packet one-way delay: 128.482 ms
Loss rate: 8.95%
```

Run 3: Report of FillP — Data Link



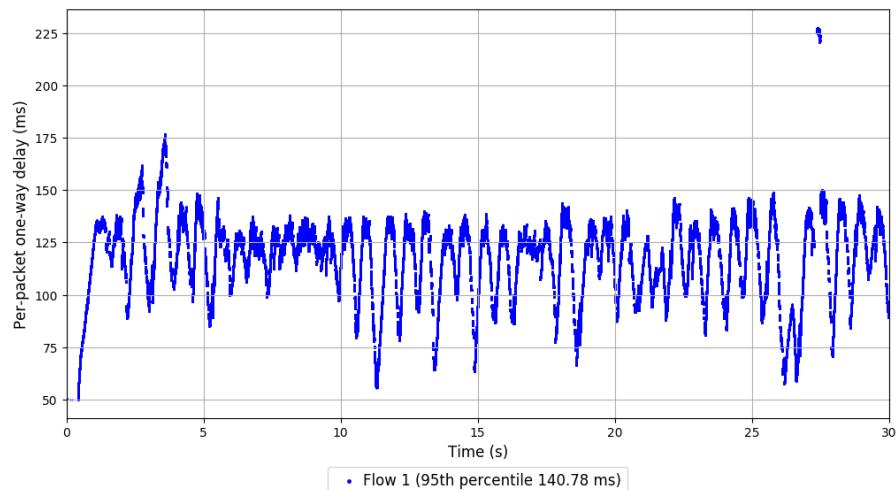
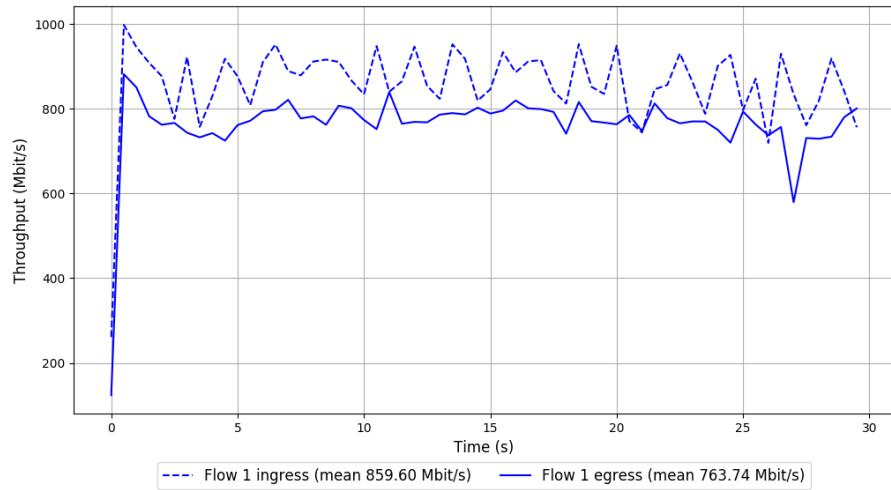
Run 4: Statistics of FillP

Start at: 2018-03-20 16:36:56

End at: 2018-03-20 16:37:26

```
# Below is generated by plot.py at 2018-03-20 20:48:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 763.74 Mbit/s
95th percentile per-packet one-way delay: 140.785 ms
Loss rate: 11.15%
-- Flow 1:
Average throughput: 763.74 Mbit/s
95th percentile per-packet one-way delay: 140.785 ms
Loss rate: 11.15%
```

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



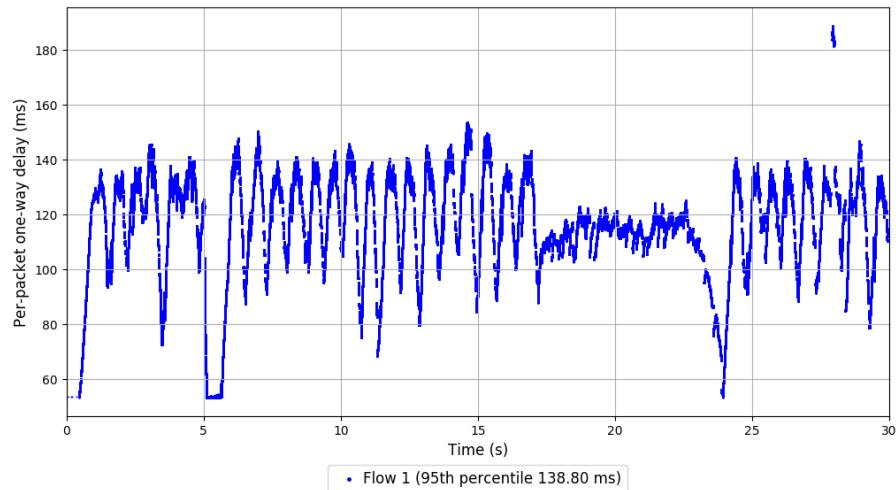
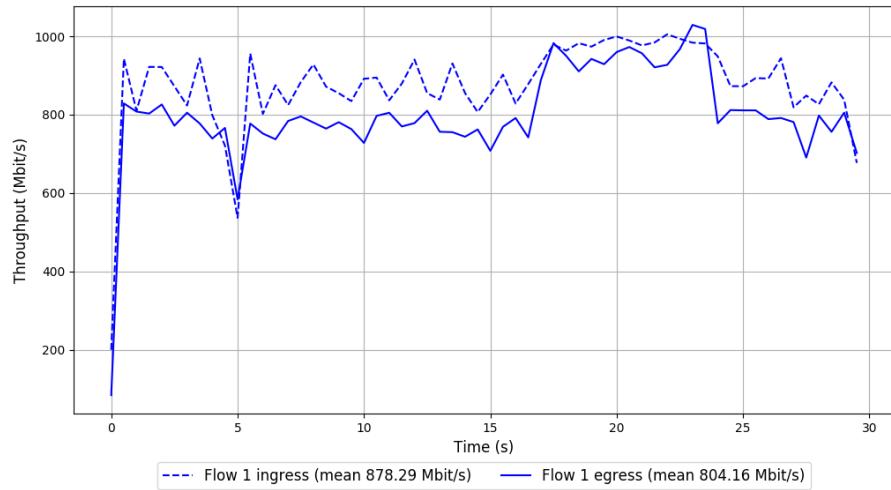
Run 5: Statistics of FillP

Start at: 2018-03-20 16:51:32

End at: 2018-03-20 16:52:02

```
# Below is generated by plot.py at 2018-03-20 20:48:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 804.16 Mbit/s
95th percentile per-packet one-way delay: 138.796 ms
Loss rate: 8.44%
-- Flow 1:
Average throughput: 804.16 Mbit/s
95th percentile per-packet one-way delay: 138.796 ms
Loss rate: 8.44%
```

Run 5: Report of FillP — Data Link



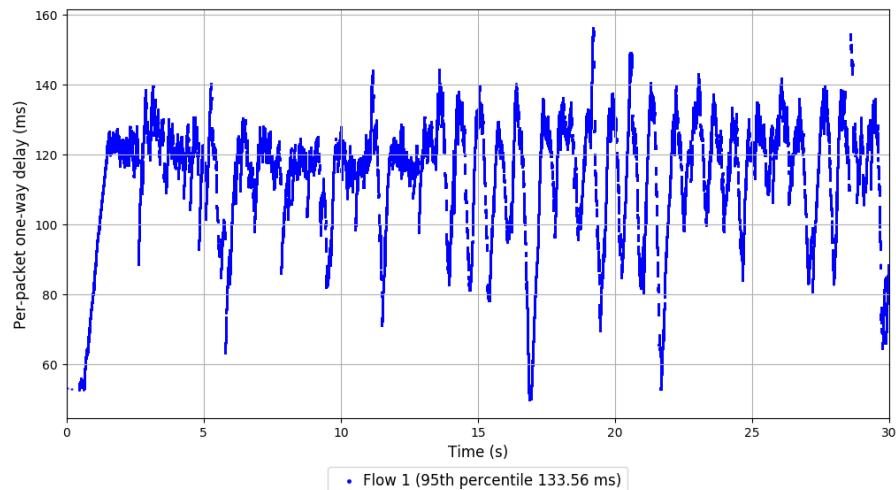
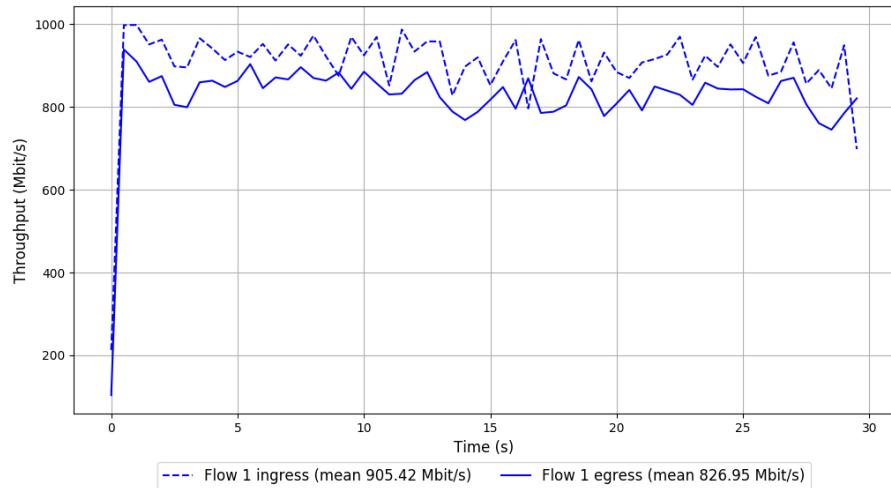
Run 6: Statistics of FillP

Start at: 2018-03-20 17:05:43

End at: 2018-03-20 17:06:13

```
# Below is generated by plot.py at 2018-03-20 20:48:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 826.95 Mbit/s
95th percentile per-packet one-way delay: 133.564 ms
Loss rate: 8.66%
-- Flow 1:
Average throughput: 826.95 Mbit/s
95th percentile per-packet one-way delay: 133.564 ms
Loss rate: 8.66%
```

Run 6: Report of FillP — Data Link



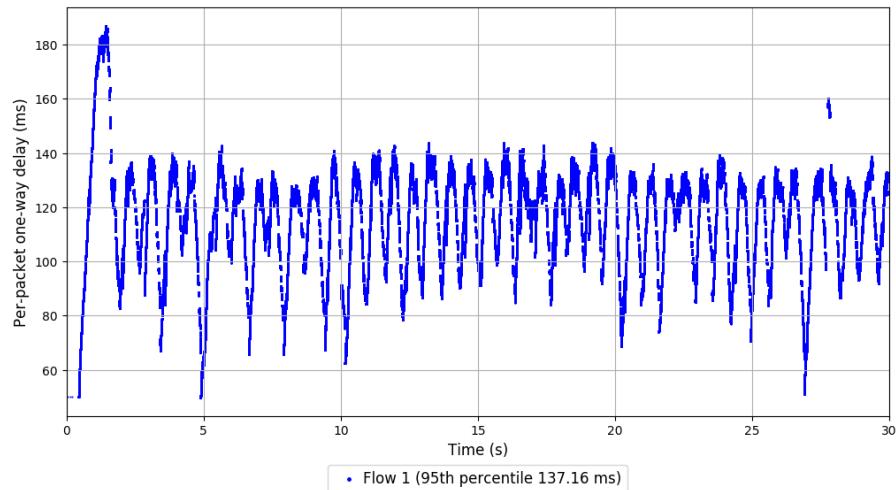
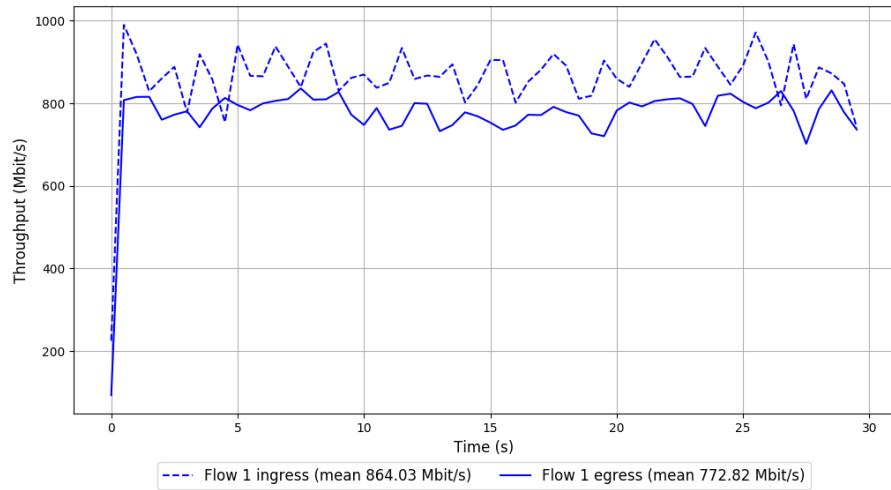
Run 7: Statistics of FillP

Start at: 2018-03-20 17:20:01

End at: 2018-03-20 17:20:31

```
# Below is generated by plot.py at 2018-03-20 20:48:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 772.82 Mbit/s
95th percentile per-packet one-way delay: 137.156 ms
Loss rate: 10.58%
-- Flow 1:
Average throughput: 772.82 Mbit/s
95th percentile per-packet one-way delay: 137.156 ms
Loss rate: 10.58%
```

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



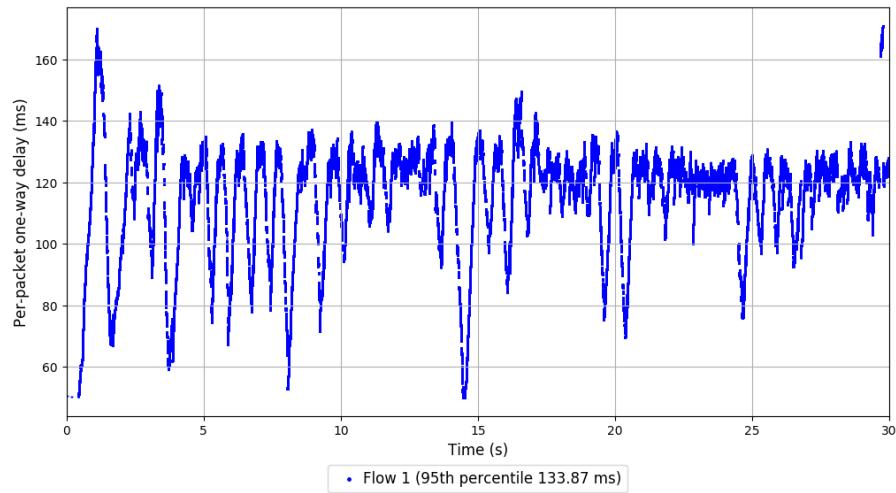
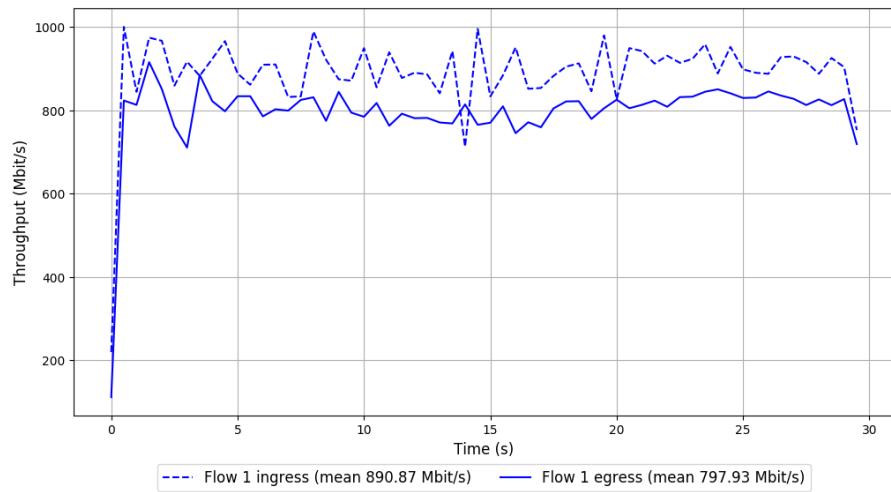
Run 8: Statistics of FillP

Start at: 2018-03-20 17:34:16

End at: 2018-03-20 17:34:46

```
# Below is generated by plot.py at 2018-03-20 20:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 797.93 Mbit/s
95th percentile per-packet one-way delay: 133.873 ms
Loss rate: 10.43%
-- Flow 1:
Average throughput: 797.93 Mbit/s
95th percentile per-packet one-way delay: 133.873 ms
Loss rate: 10.43%
```

Run 8: Report of FillP — Data Link



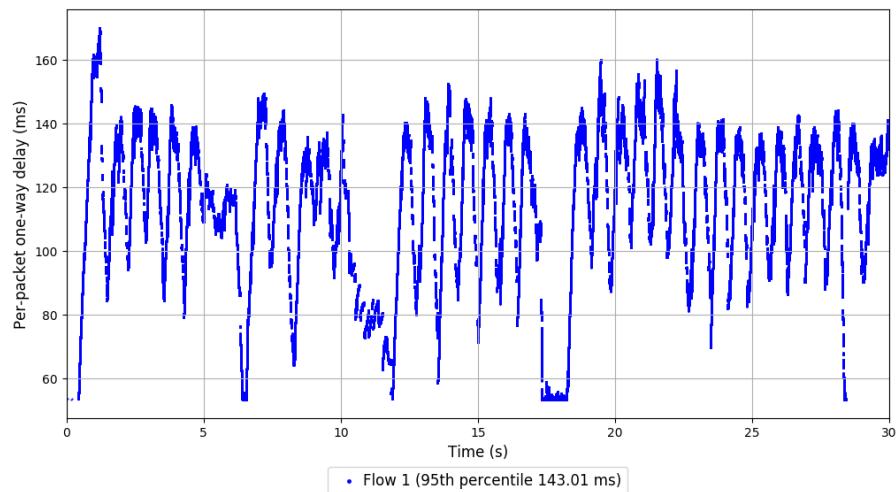
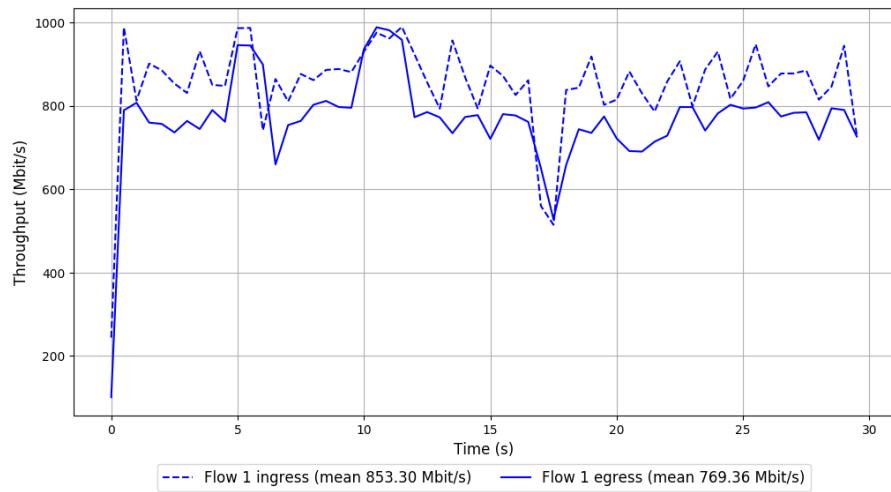
Run 9: Statistics of FillP

Start at: 2018-03-20 17:48:51

End at: 2018-03-20 17:49:21

```
# Below is generated by plot.py at 2018-03-20 21:01:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 769.36 Mbit/s
95th percentile per-packet one-way delay: 143.008 ms
Loss rate: 9.84%
-- Flow 1:
Average throughput: 769.36 Mbit/s
95th percentile per-packet one-way delay: 143.008 ms
Loss rate: 9.84%
```

Run 9: Report of FillP — Data Link



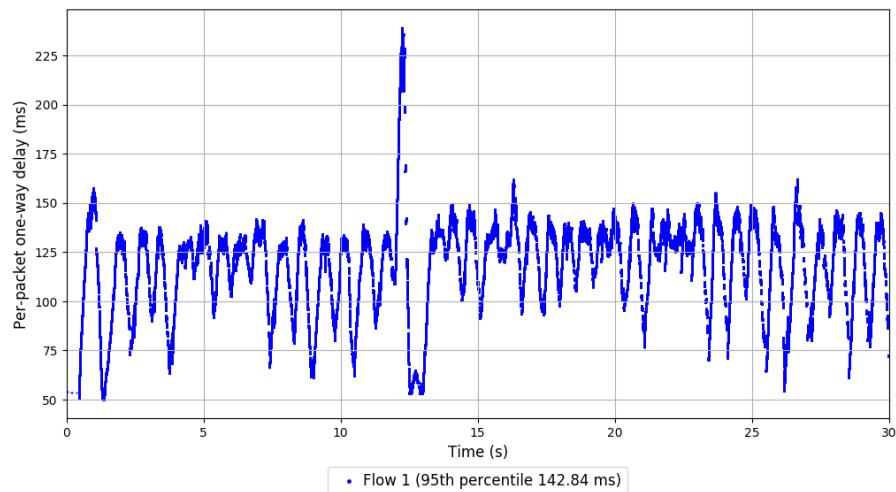
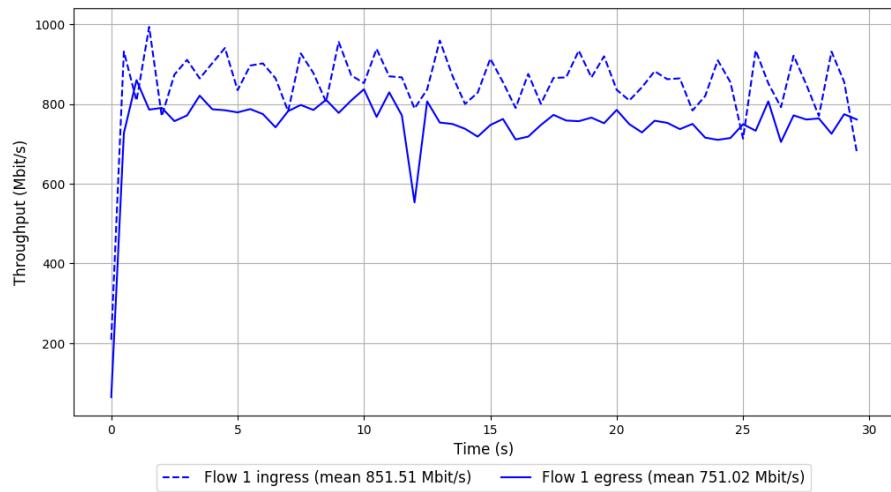
Run 10: Statistics of FillP

Start at: 2018-03-20 18:03:11

End at: 2018-03-20 18:03:41

```
# Below is generated by plot.py at 2018-03-20 21:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 751.02 Mbit/s
95th percentile per-packet one-way delay: 142.836 ms
Loss rate: 11.81%
-- Flow 1:
Average throughput: 751.02 Mbit/s
95th percentile per-packet one-way delay: 142.836 ms
Loss rate: 11.81%
```

Run 10: Report of FillP — Data Link

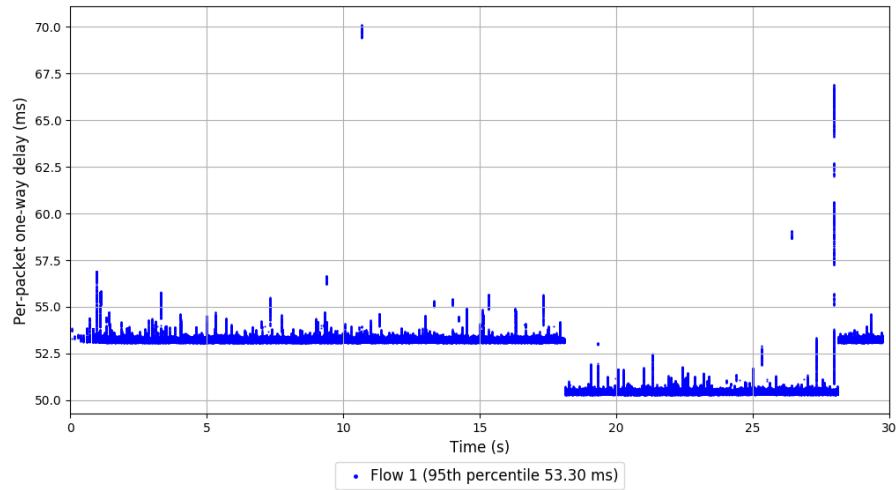
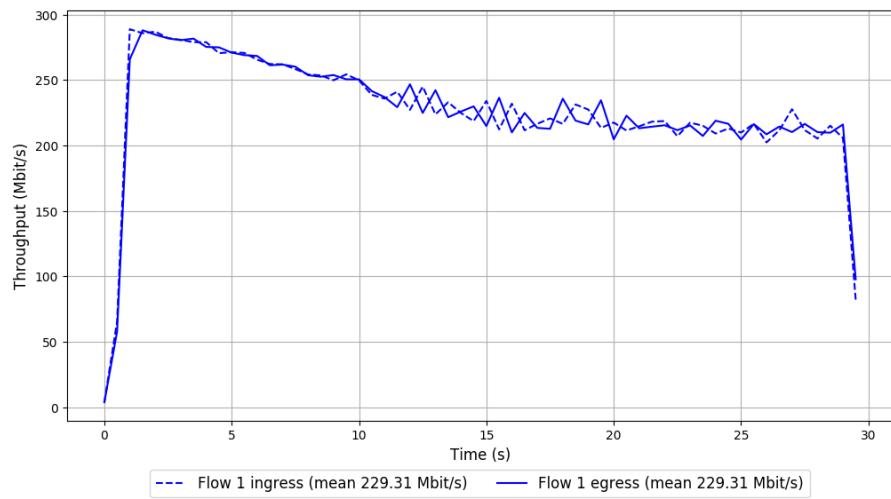


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-03-20 16:04:13
End at: 2018-03-20 16:04:43

# Below is generated by plot.py at 2018-03-20 21:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.31 Mbit/s
95th percentile per-packet one-way delay: 53.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.31 Mbit/s
95th percentile per-packet one-way delay: 53.301 ms
Loss rate: 0.00%
```

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



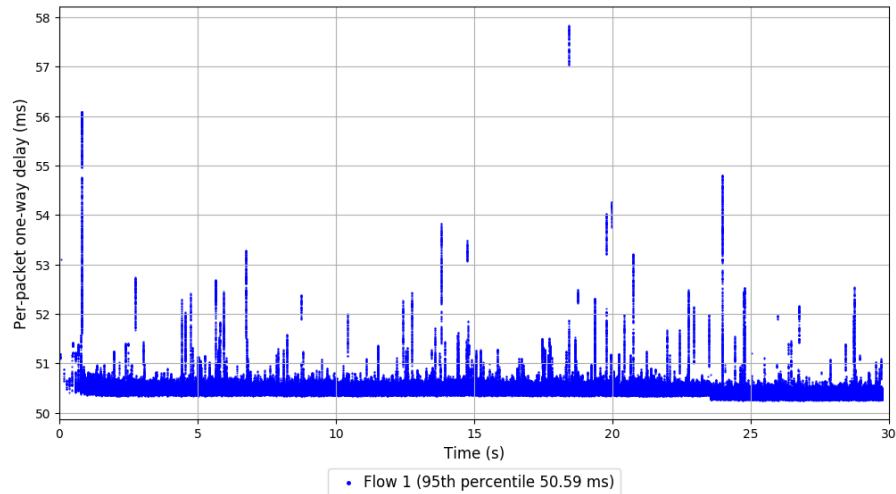
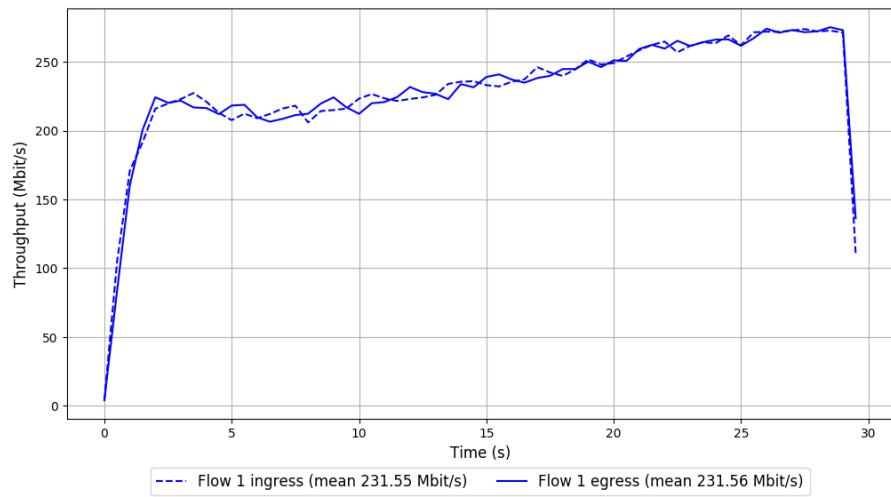
Run 2: Statistics of Indigo-1-32

Start at: 2018-03-20 16:18:27

End at: 2018-03-20 16:18:57

```
# Below is generated by plot.py at 2018-03-20 21:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 231.56 Mbit/s
95th percentile per-packet one-way delay: 50.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 231.56 Mbit/s
95th percentile per-packet one-way delay: 50.591 ms
Loss rate: 0.00%
```

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



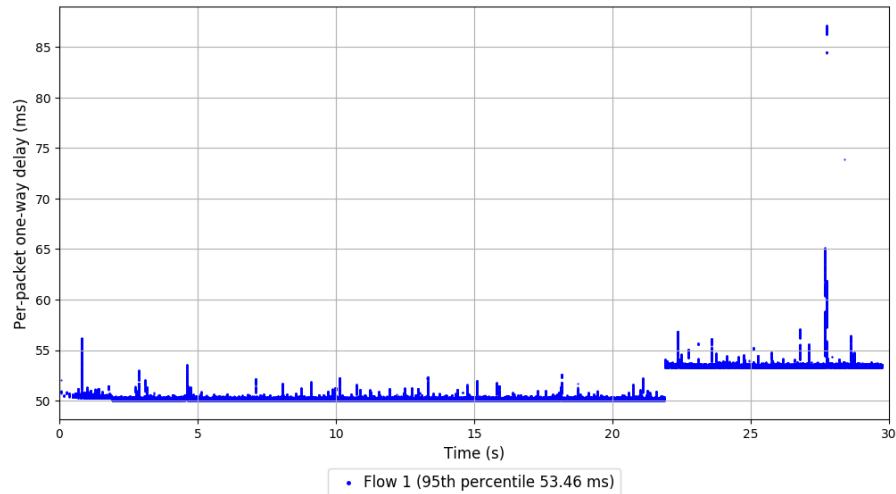
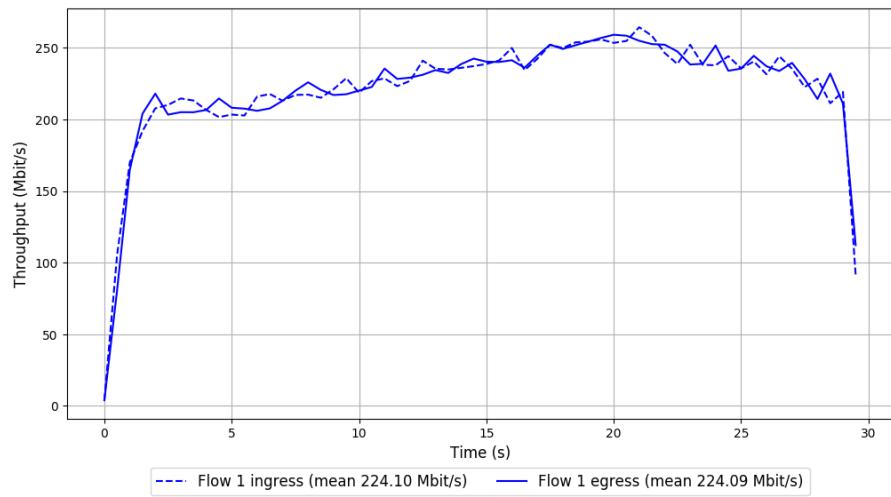
Run 3: Statistics of Indigo-1-32

Start at: 2018-03-20 16:32:49

End at: 2018-03-20 16:33:19

```
# Below is generated by plot.py at 2018-03-20 21:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.09 Mbit/s
95th percentile per-packet one-way delay: 53.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.09 Mbit/s
95th percentile per-packet one-way delay: 53.460 ms
Loss rate: 0.00%
```

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



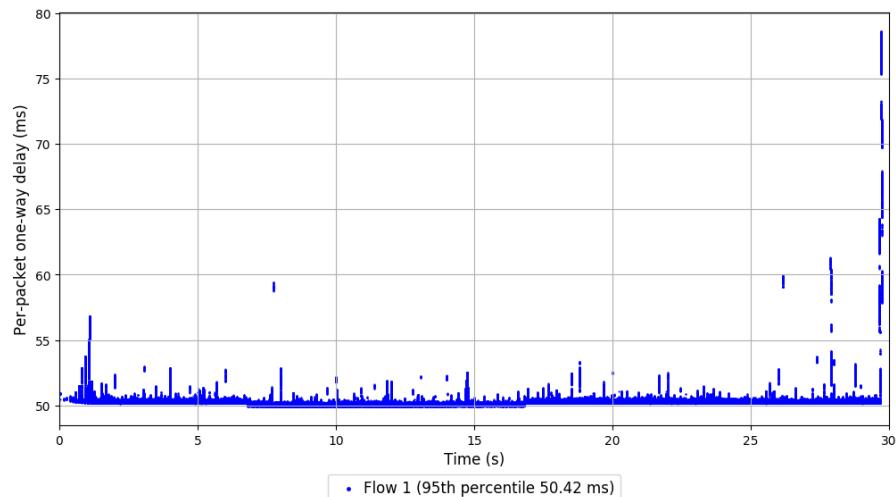
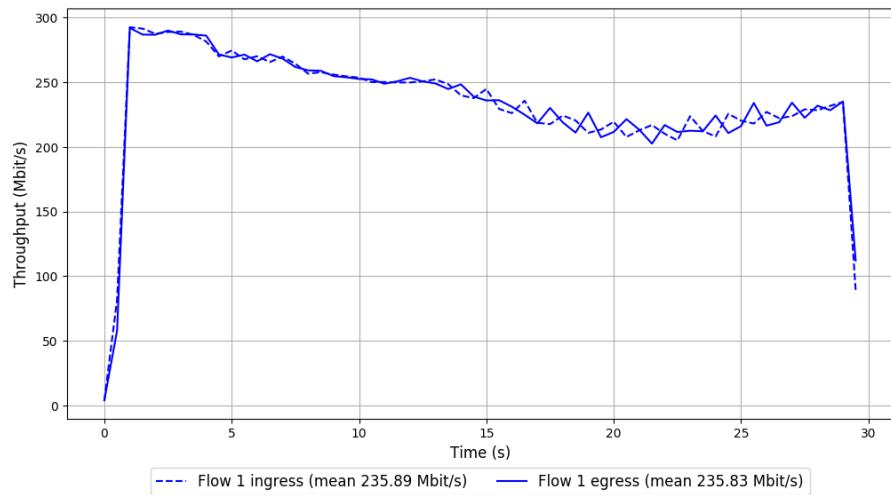
Run 4: Statistics of Indigo-1-32

Start at: 2018-03-20 16:47:24

End at: 2018-03-20 16:47:54

```
# Below is generated by plot.py at 2018-03-20 21:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.83 Mbit/s
95th percentile per-packet one-way delay: 50.418 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 235.83 Mbit/s
95th percentile per-packet one-way delay: 50.418 ms
Loss rate: 0.00%
```

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



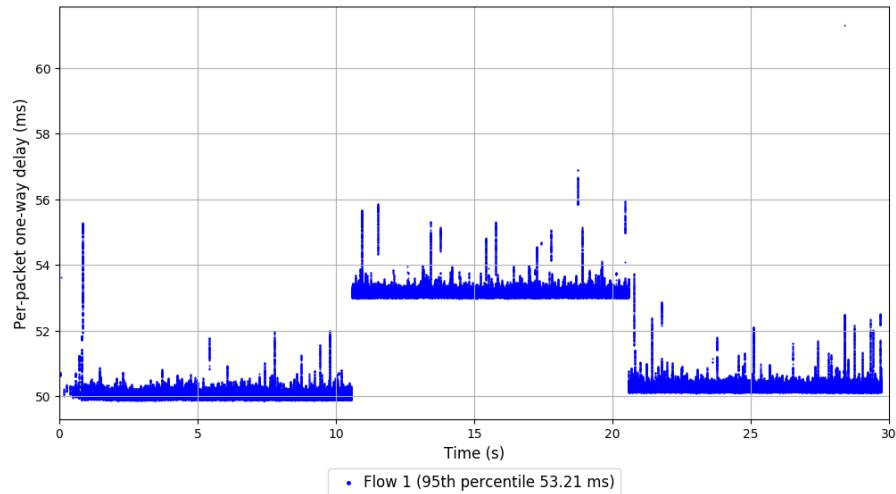
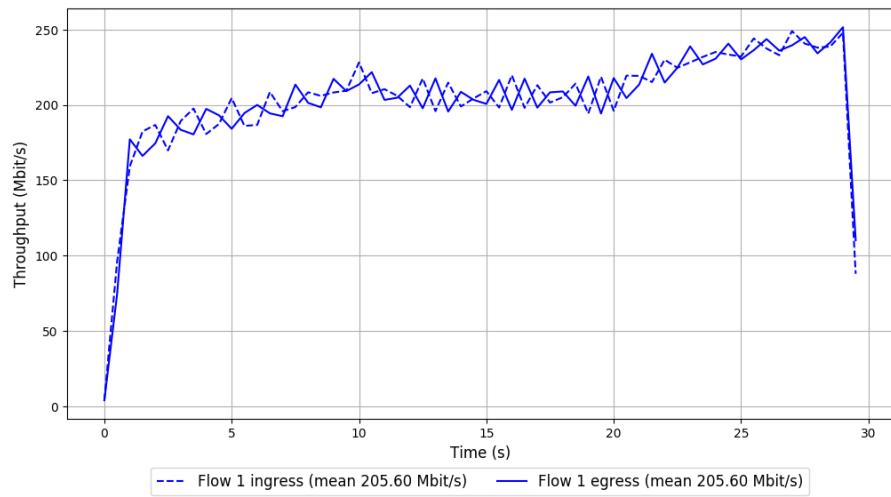
Run 5: Statistics of Indigo-1-32

Start at: 2018-03-20 17:01:40

End at: 2018-03-20 17:02:10

```
# Below is generated by plot.py at 2018-03-20 21:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.60 Mbit/s
95th percentile per-packet one-way delay: 53.210 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.60 Mbit/s
95th percentile per-packet one-way delay: 53.210 ms
Loss rate: 0.00%
```

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



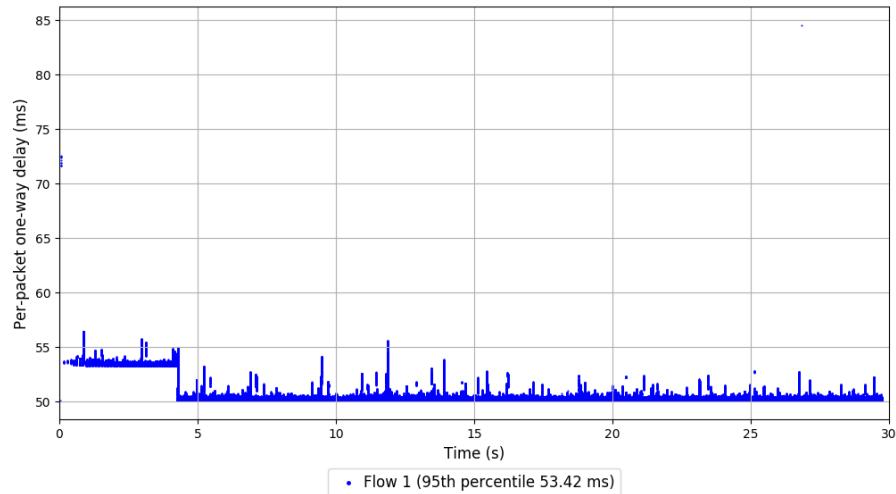
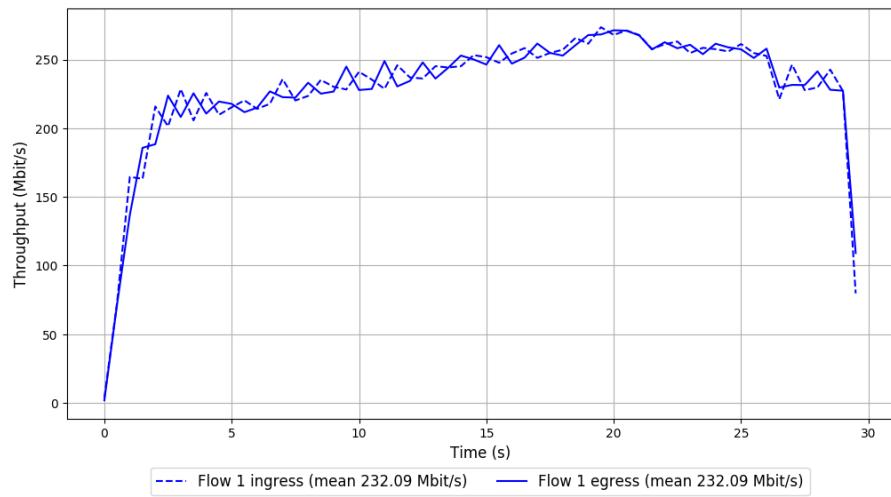
Run 6: Statistics of Indigo-1-32

Start at: 2018-03-20 17:15:57

End at: 2018-03-20 17:16:27

```
# Below is generated by plot.py at 2018-03-20 21:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 232.09 Mbit/s
95th percentile per-packet one-way delay: 53.425 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 232.09 Mbit/s
95th percentile per-packet one-way delay: 53.425 ms
Loss rate: 0.00%
```

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



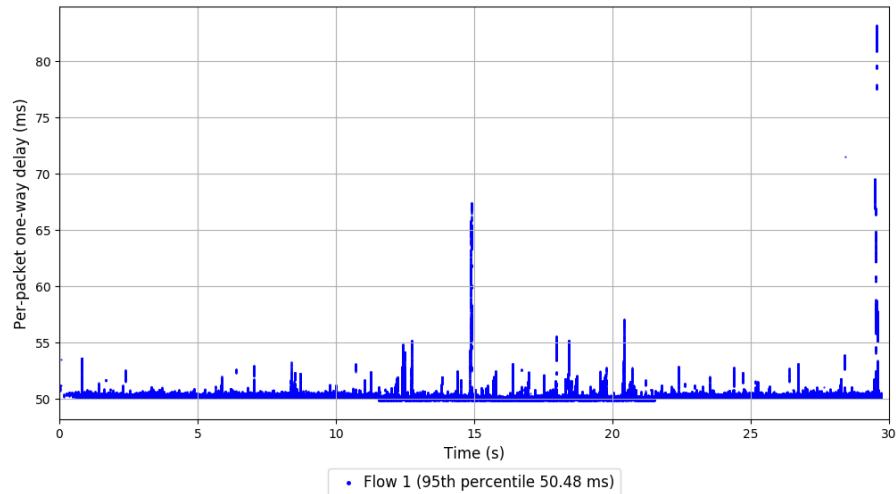
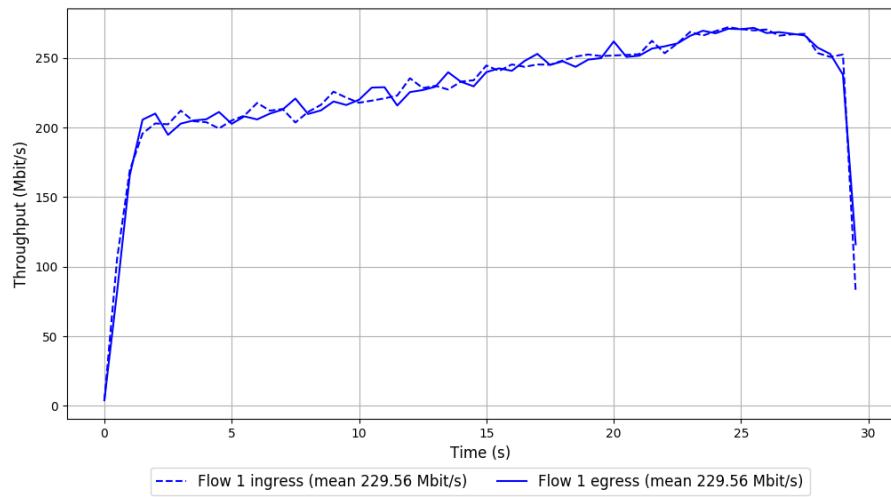
Run 7: Statistics of Indigo-1-32

Start at: 2018-03-20 17:30:09

End at: 2018-03-20 17:30:39

```
# Below is generated by plot.py at 2018-03-20 21:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.56 Mbit/s
95th percentile per-packet one-way delay: 50.477 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.56 Mbit/s
95th percentile per-packet one-way delay: 50.477 ms
Loss rate: 0.00%
```

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



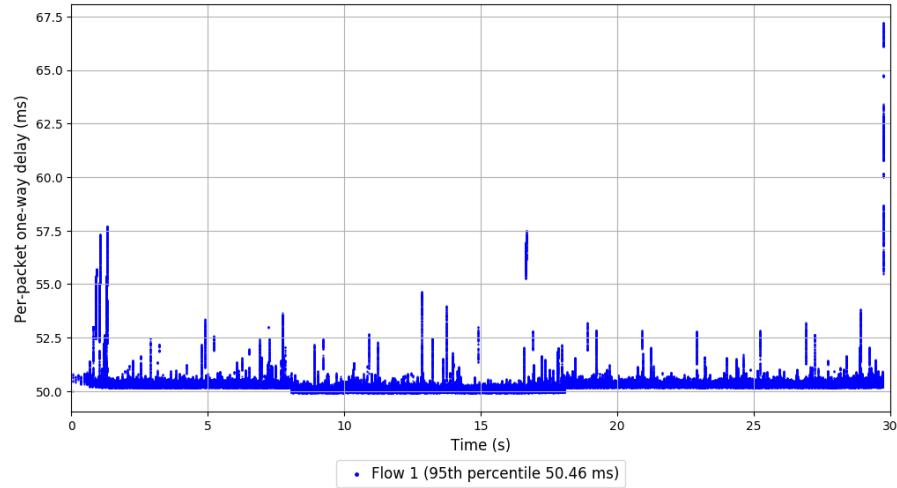
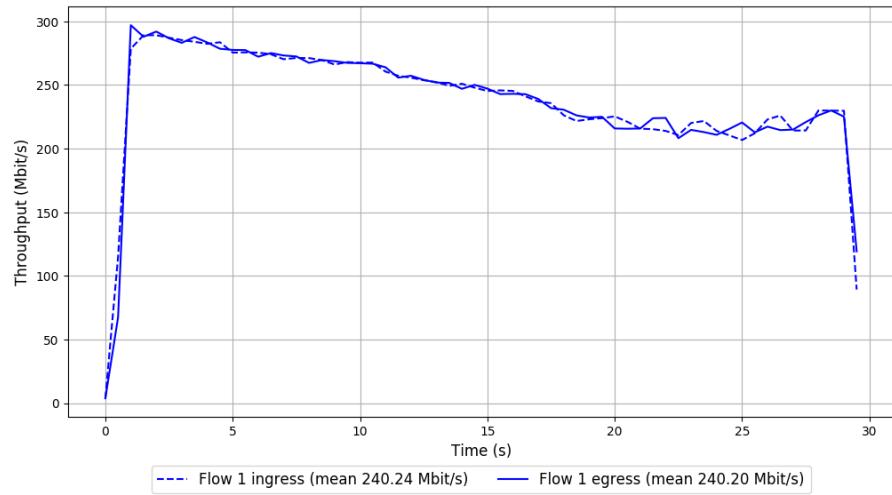
Run 8: Statistics of Indigo-1-32

Start at: 2018-03-20 17:44:43

End at: 2018-03-20 17:45:13

```
# Below is generated by plot.py at 2018-03-20 21:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 240.20 Mbit/s
95th percentile per-packet one-way delay: 50.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 240.20 Mbit/s
95th percentile per-packet one-way delay: 50.460 ms
Loss rate: 0.00%
```

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



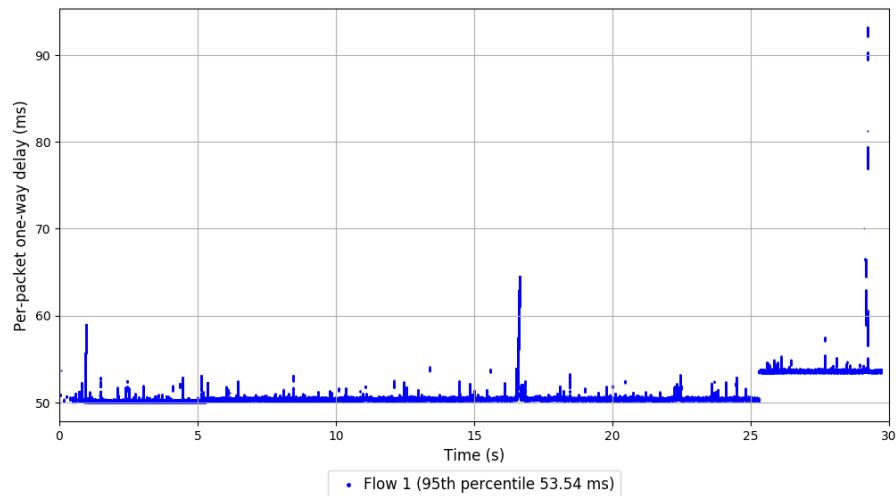
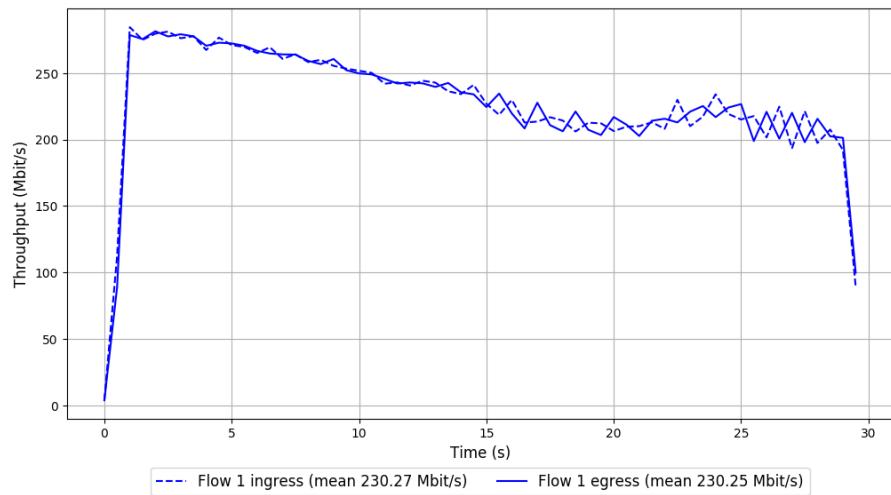
Run 9: Statistics of Indigo-1-32

Start at: 2018-03-20 17:59:06

End at: 2018-03-20 17:59:36

```
# Below is generated by plot.py at 2018-03-20 21:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 230.25 Mbit/s
95th percentile per-packet one-way delay: 53.538 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 230.25 Mbit/s
95th percentile per-packet one-way delay: 53.538 ms
Loss rate: 0.00%
```

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



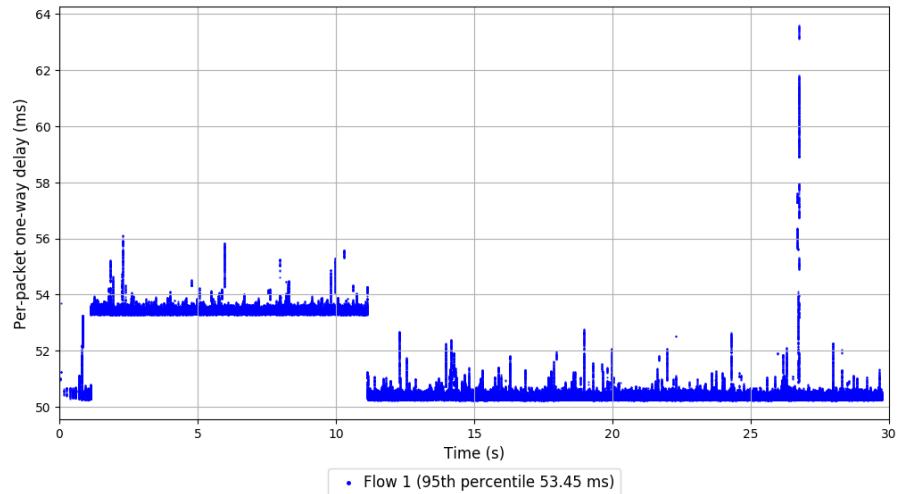
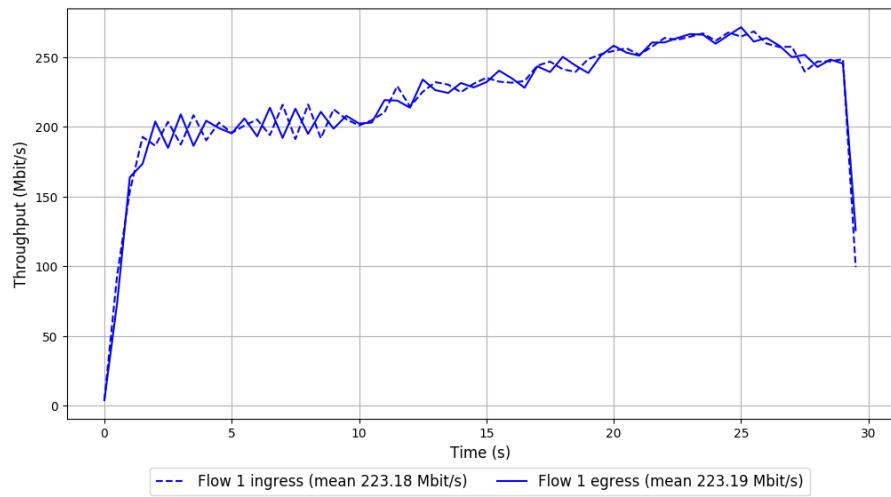
Run 10: Statistics of Indigo-1-32

Start at: 2018-03-20 18:13:30

End at: 2018-03-20 18:14:00

```
# Below is generated by plot.py at 2018-03-20 21:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.19 Mbit/s
95th percentile per-packet one-way delay: 53.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.19 Mbit/s
95th percentile per-packet one-way delay: 53.445 ms
Loss rate: 0.00%
```

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



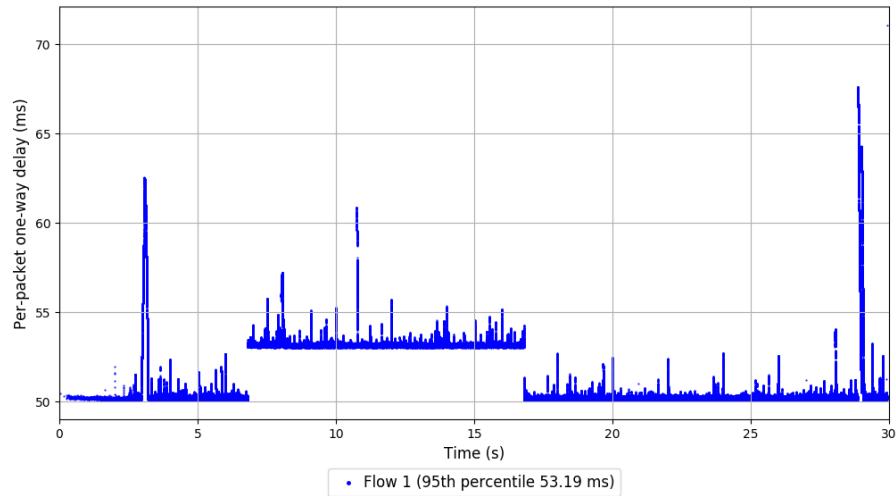
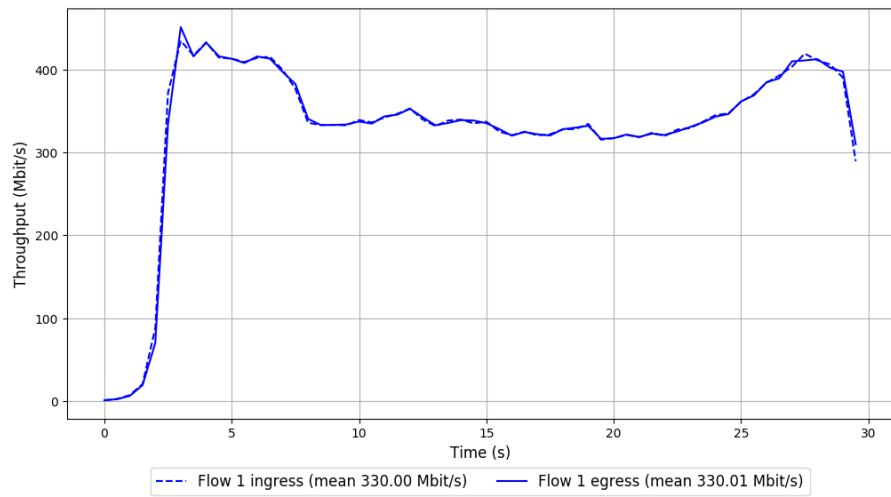
Run 1: Statistics of Vivace-latency

Start at: 2018-03-20 16:02:24

End at: 2018-03-20 16:02:54

```
# Below is generated by plot.py at 2018-03-20 21:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 330.01 Mbit/s
95th percentile per-packet one-way delay: 53.185 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 330.01 Mbit/s
95th percentile per-packet one-way delay: 53.185 ms
Loss rate: 0.09%
```

Run 1: Report of Vivace-latency — Data Link



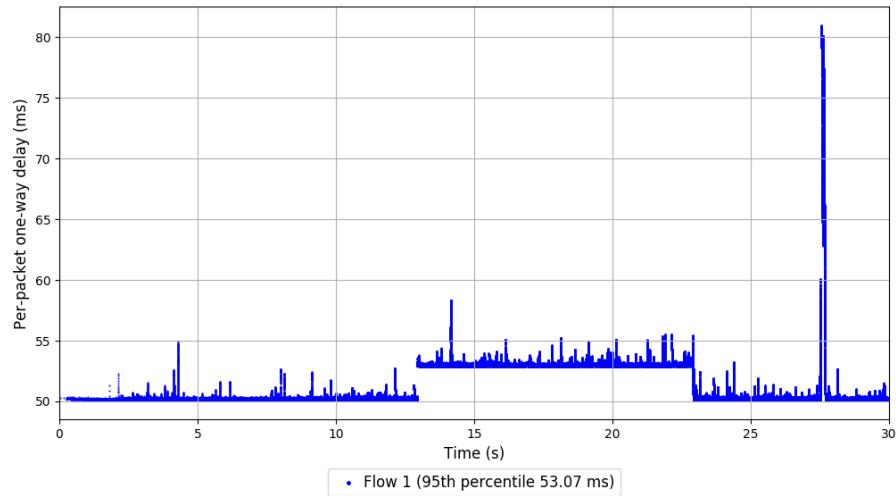
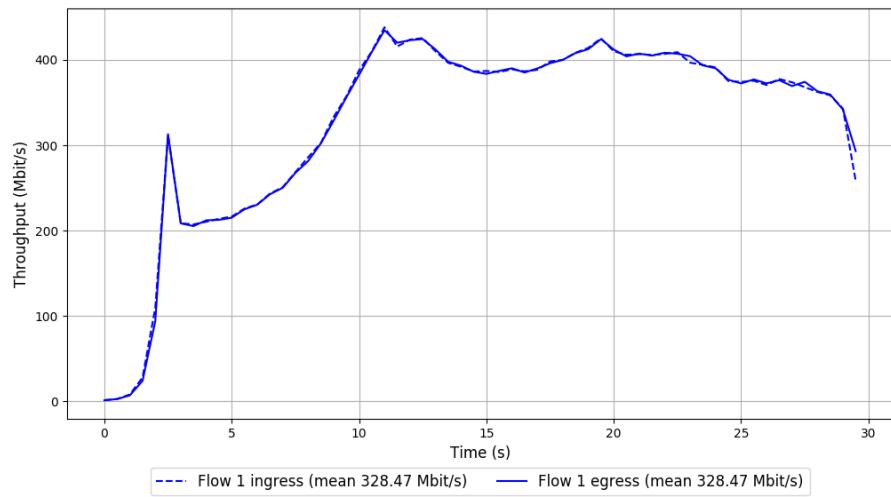
Run 2: Statistics of Vivace-latency

Start at: 2018-03-20 16:16:38

End at: 2018-03-20 16:17:08

```
# Below is generated by plot.py at 2018-03-20 21:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 328.47 Mbit/s
95th percentile per-packet one-way delay: 53.072 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 328.47 Mbit/s
95th percentile per-packet one-way delay: 53.072 ms
Loss rate: 0.00%
```

Run 2: Report of Vivace-latency — Data Link



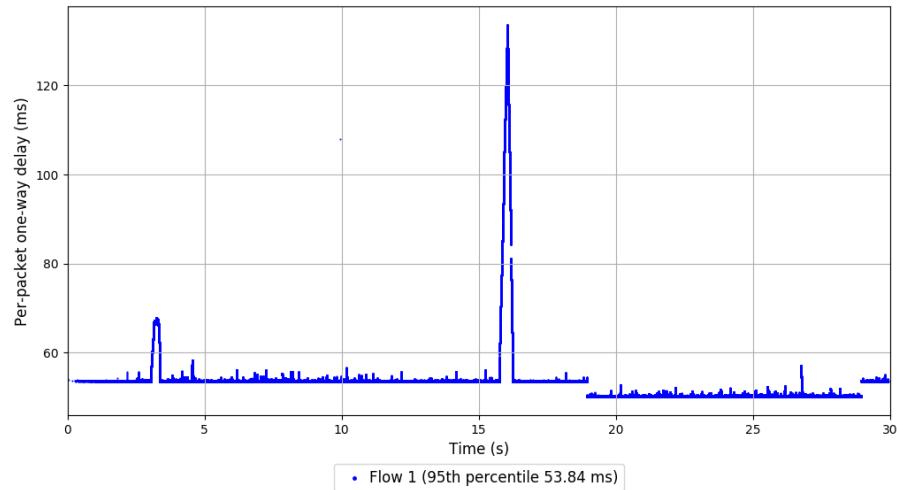
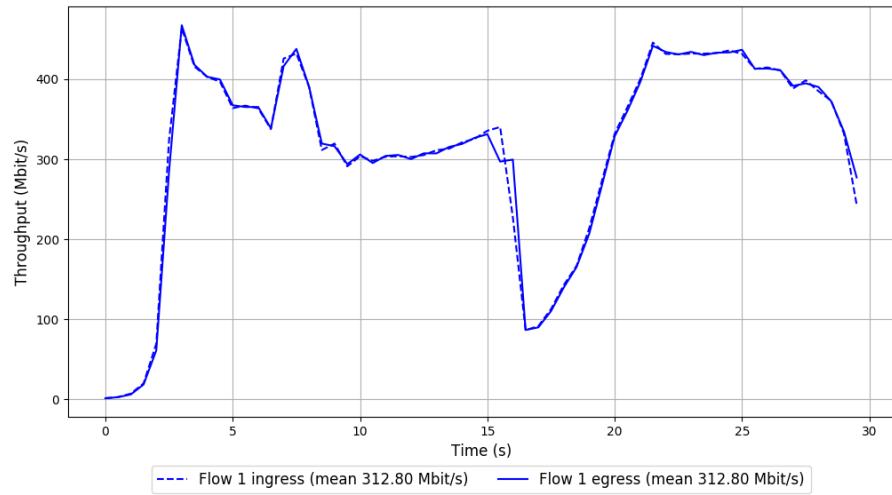
Run 3: Statistics of Vivace-latency

Start at: 2018-03-20 16:31:02

End at: 2018-03-20 16:31:32

```
# Below is generated by plot.py at 2018-03-20 21:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 312.80 Mbit/s
95th percentile per-packet one-way delay: 53.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 312.80 Mbit/s
95th percentile per-packet one-way delay: 53.836 ms
Loss rate: 0.00%
```

Run 3: Report of Vivace-latency — Data Link



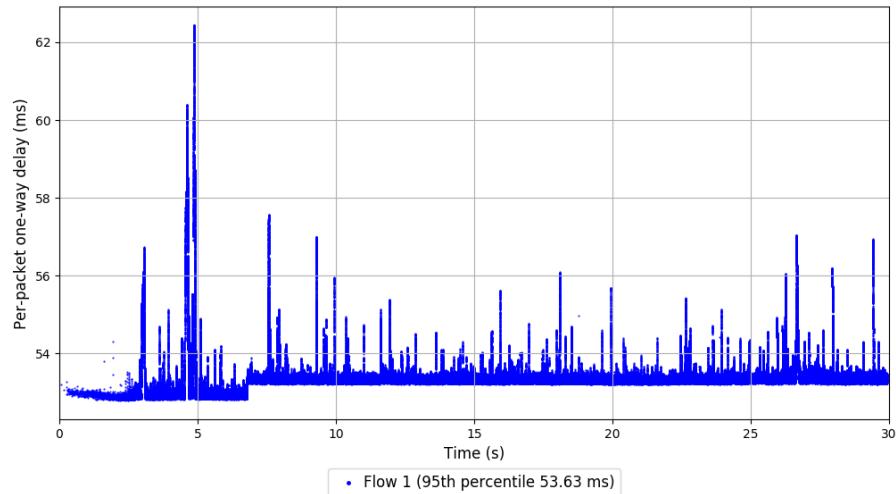
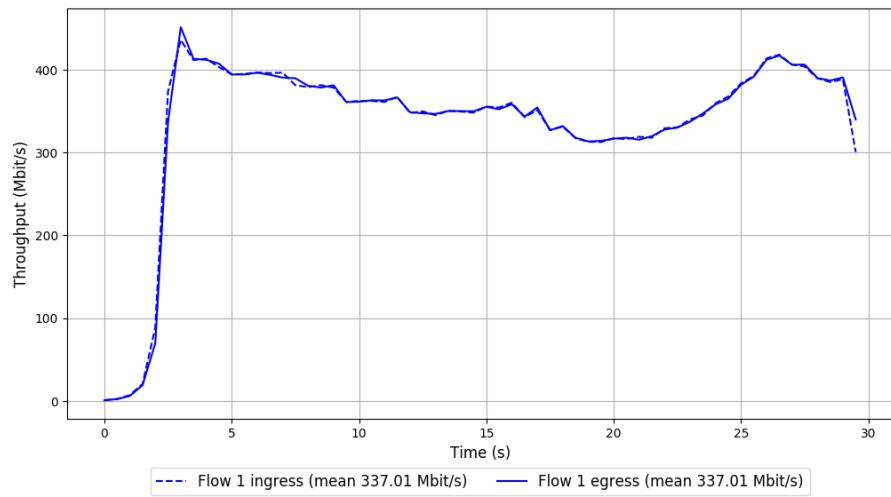
Run 4: Statistics of Vivace-latency

Start at: 2018-03-20 16:45:34

End at: 2018-03-20 16:46:04

```
# Below is generated by plot.py at 2018-03-20 21:01:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 337.01 Mbit/s
95th percentile per-packet one-way delay: 53.633 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 337.01 Mbit/s
95th percentile per-packet one-way delay: 53.633 ms
Loss rate: 0.00%
```

Run 4: Report of Vivace-latency — Data Link



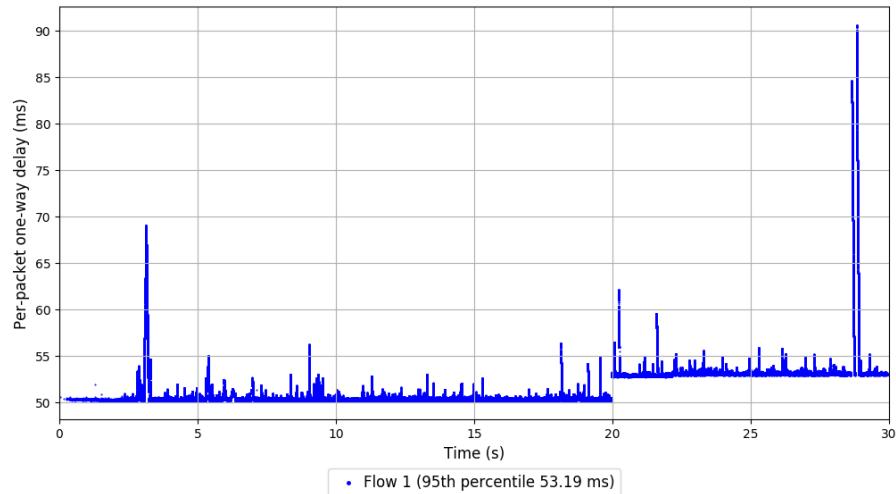
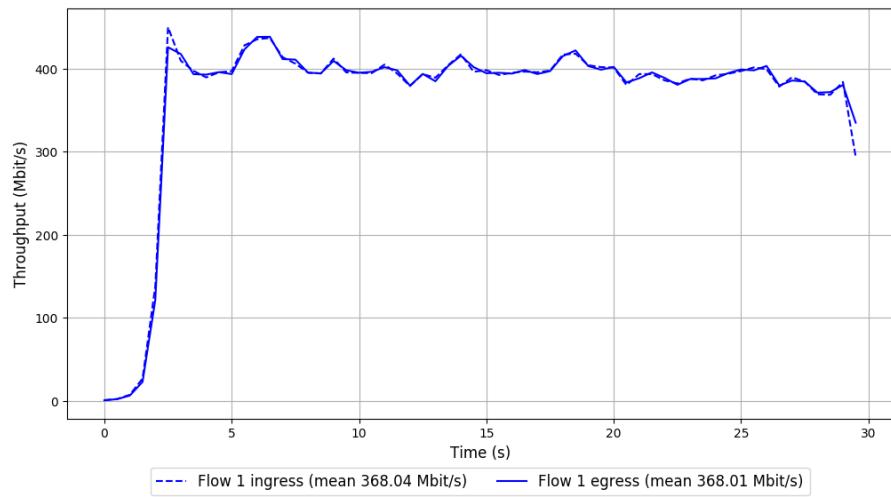
Run 5: Statistics of Vivace-latency

Start at: 2018-03-20 16:59:49

End at: 2018-03-20 17:00:19

```
# Below is generated by plot.py at 2018-03-20 21:02:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 368.01 Mbit/s
95th percentile per-packet one-way delay: 53.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 368.01 Mbit/s
95th percentile per-packet one-way delay: 53.185 ms
Loss rate: 0.00%
```

Run 5: Report of Vivace-latency — Data Link



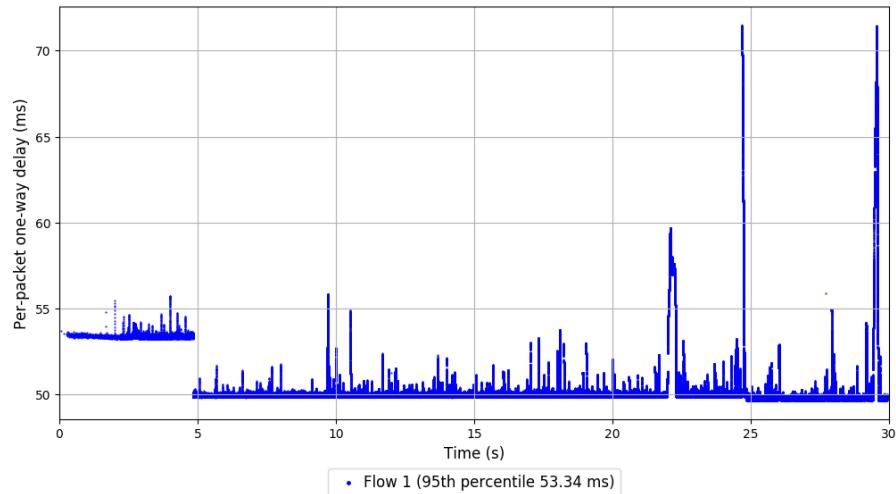
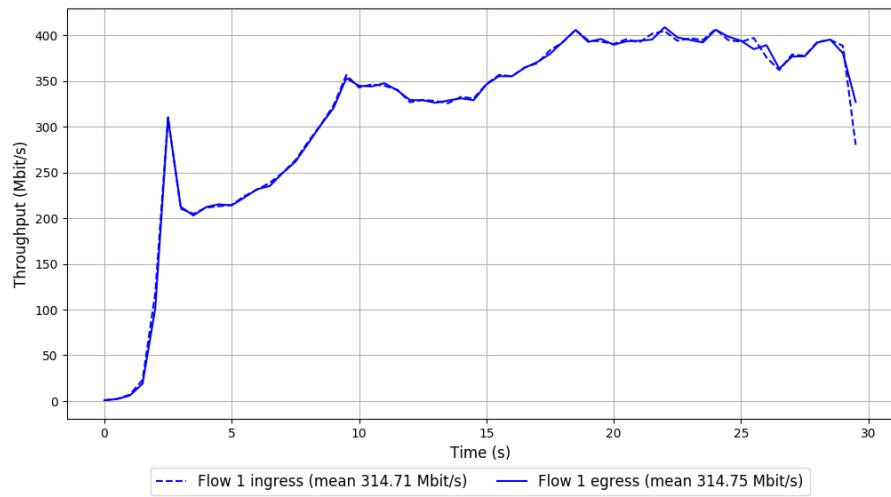
Run 6: Statistics of Vivace-latency

Start at: 2018-03-20 17:14:06

End at: 2018-03-20 17:14:36

```
# Below is generated by plot.py at 2018-03-20 21:02:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 314.75 Mbit/s
95th percentile per-packet one-way delay: 53.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 314.75 Mbit/s
95th percentile per-packet one-way delay: 53.342 ms
Loss rate: 0.00%
```

Run 6: Report of Vivace-latency — Data Link



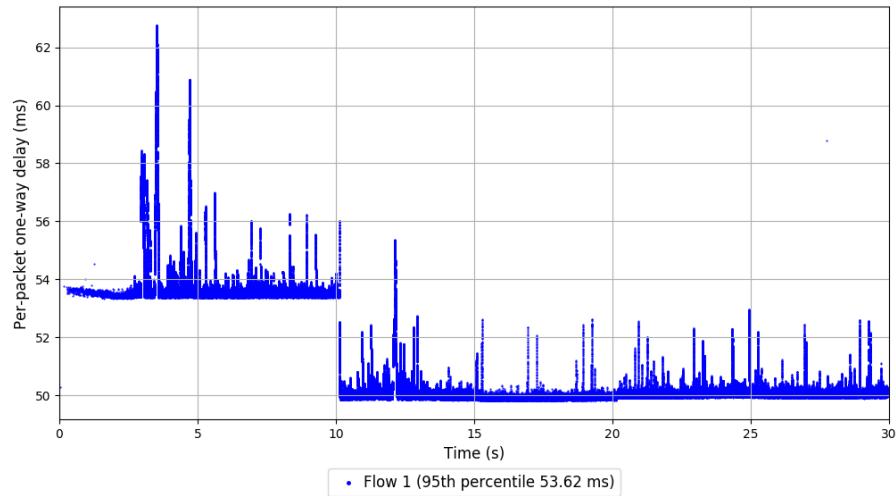
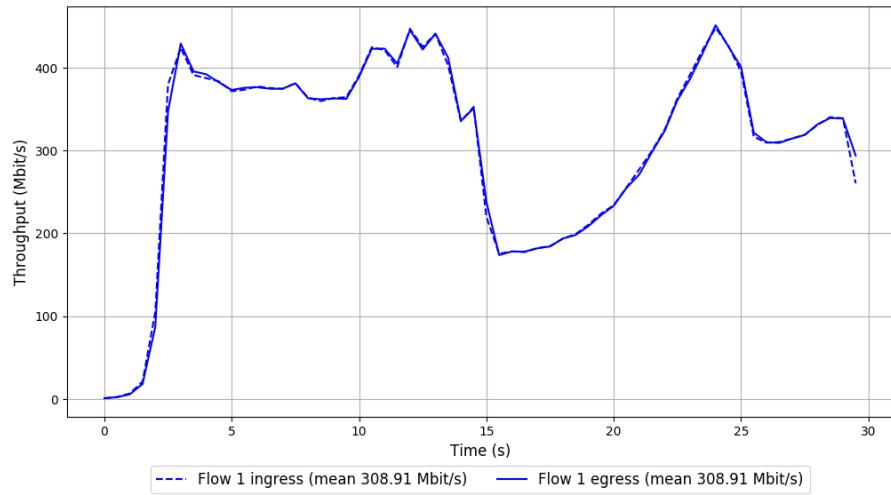
Run 7: Statistics of Vivace-latency

Start at: 2018-03-20 17:28:21

End at: 2018-03-20 17:28:51

```
# Below is generated by plot.py at 2018-03-20 21:03:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 308.91 Mbit/s
95th percentile per-packet one-way delay: 53.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 308.91 Mbit/s
95th percentile per-packet one-way delay: 53.620 ms
Loss rate: 0.00%
```

Run 7: Report of Vivace-latency — Data Link



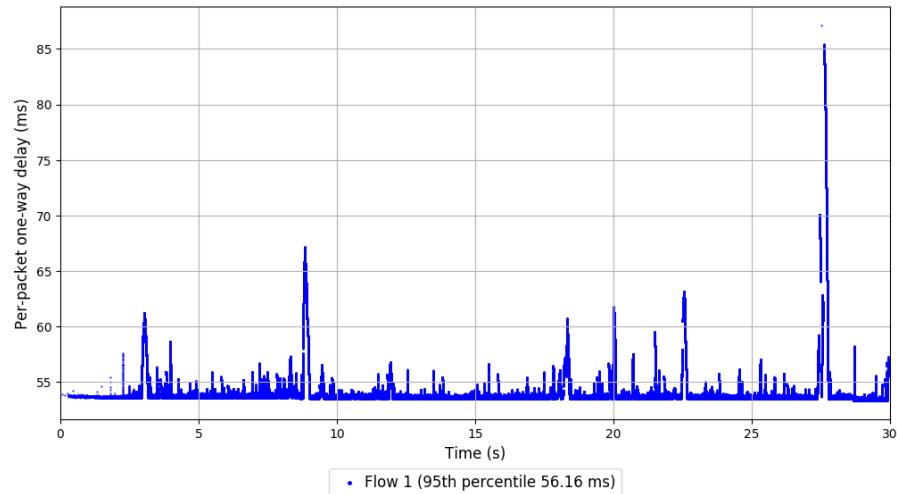
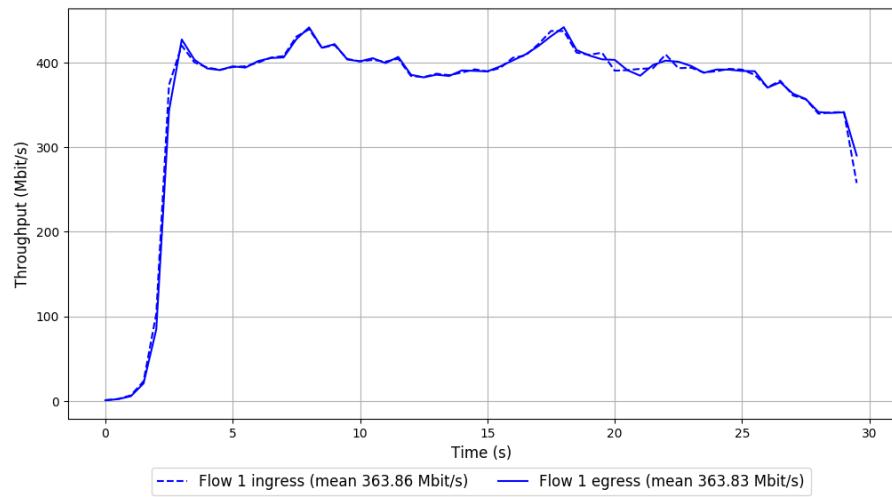
Run 8: Statistics of Vivace-latency

Start at: 2018-03-20 17:42:52

End at: 2018-03-20 17:43:23

```
# Below is generated by plot.py at 2018-03-20 21:06:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 363.83 Mbit/s
95th percentile per-packet one-way delay: 56.161 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 363.83 Mbit/s
95th percentile per-packet one-way delay: 56.161 ms
Loss rate: 0.02%
```

Run 8: Report of Vivace-latency — Data Link



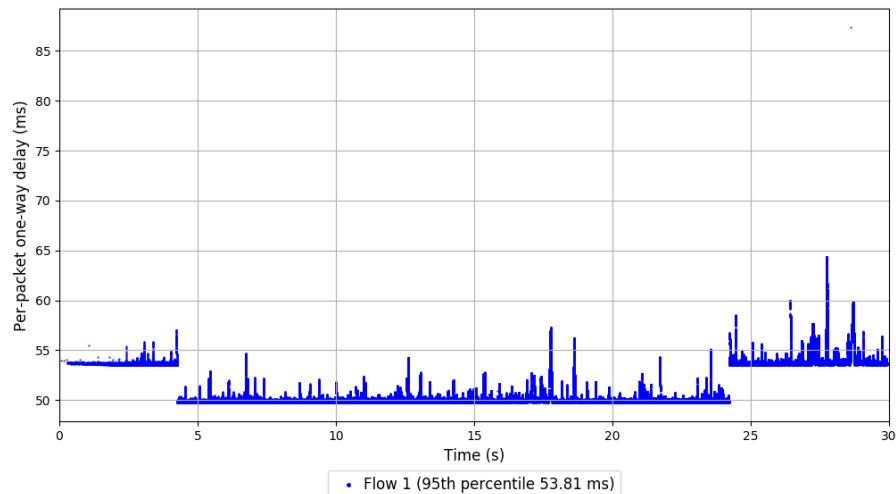
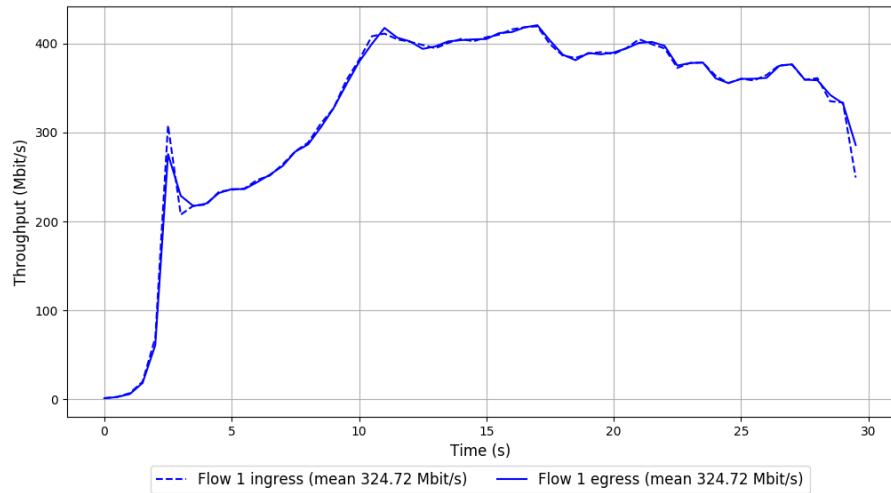
Run 9: Statistics of Vivace-latency

Start at: 2018-03-20 17:57:17

End at: 2018-03-20 17:57:47

```
# Below is generated by plot.py at 2018-03-20 21:06:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 324.72 Mbit/s
95th percentile per-packet one-way delay: 53.807 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 324.72 Mbit/s
95th percentile per-packet one-way delay: 53.807 ms
Loss rate: 0.00%
```

Run 9: Report of Vivace-latency — Data Link



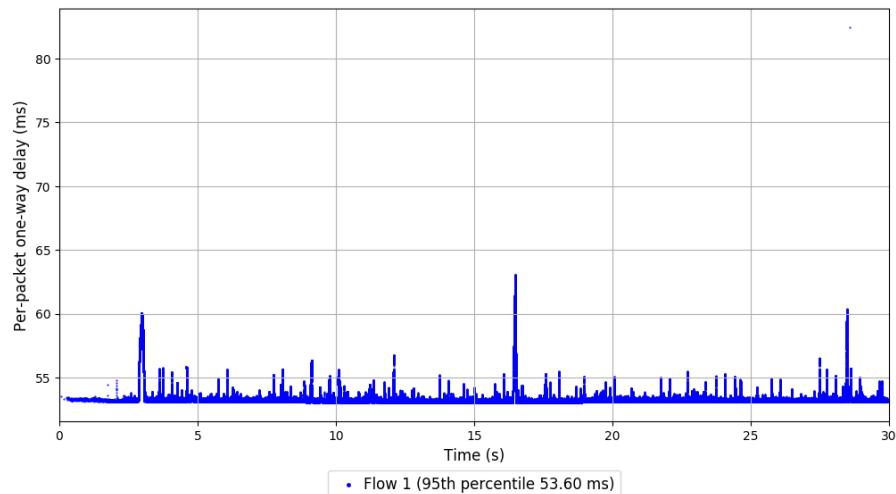
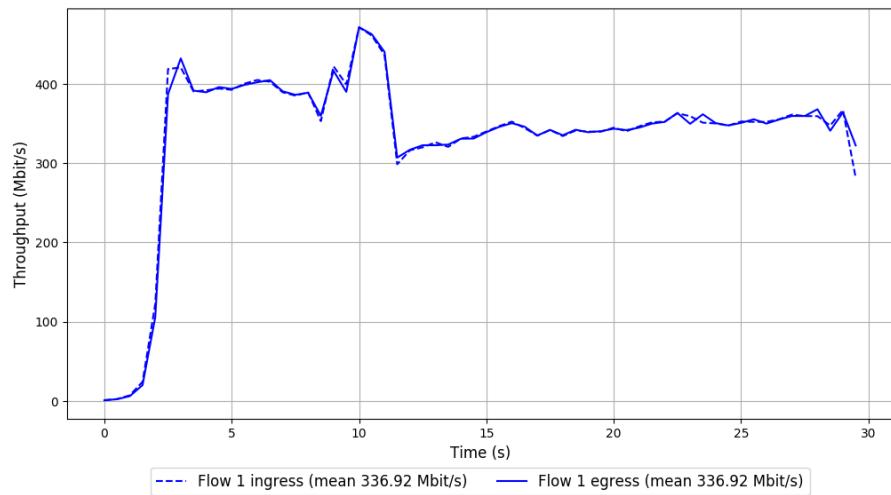
Run 10: Statistics of Vivace-latency

Start at: 2018-03-20 18:11:42

End at: 2018-03-20 18:12:12

```
# Below is generated by plot.py at 2018-03-20 21:06:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 336.92 Mbit/s
95th percentile per-packet one-way delay: 53.605 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 336.92 Mbit/s
95th percentile per-packet one-way delay: 53.605 ms
Loss rate: 0.00%
```

Run 10: Report of Vivace-latency — Data Link



```
Run 1: Statistics of Vivace-loss
```

```
Start at: 2018-03-20 15:55:00
```

```
End at: 2018-03-20 15:55:30
```

```
# Below is generated by plot.py at 2018-03-20 21:07:40
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 361.66 Mbit/s
```

```
95th percentile per-packet one-way delay: 192.339 ms
```

```
Loss rate: 0.87%
```

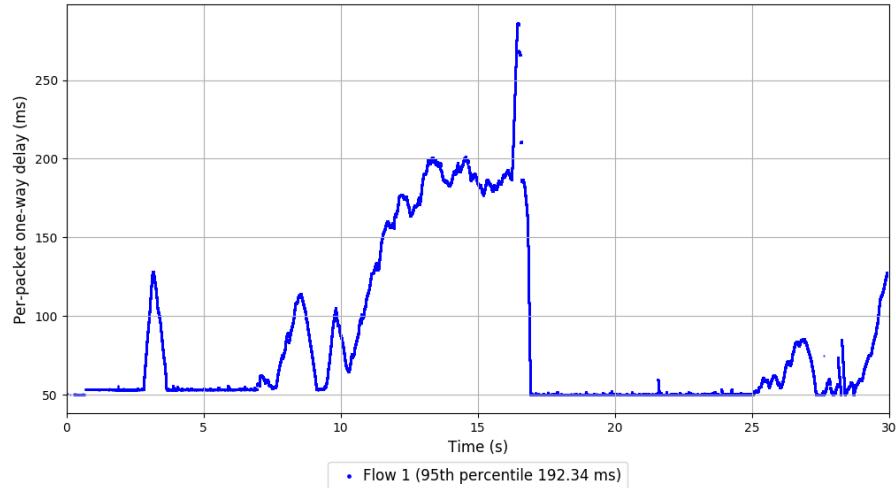
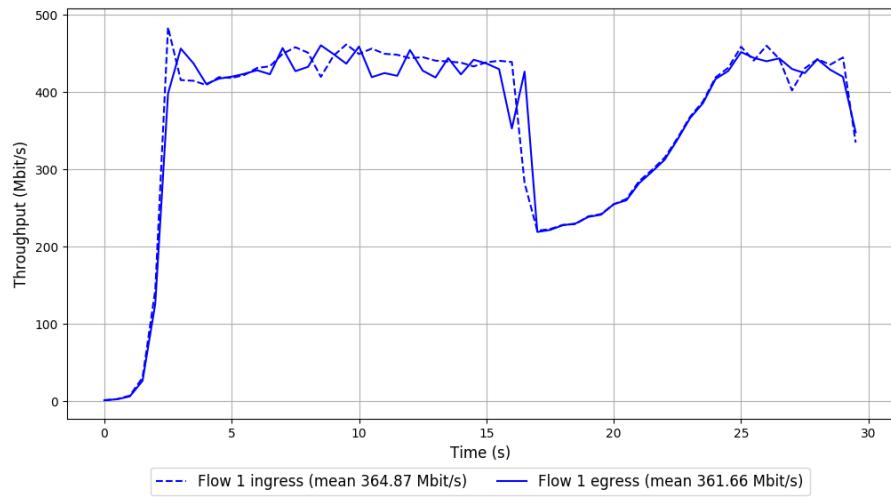
```
-- Flow 1:
```

```
Average throughput: 361.66 Mbit/s
```

```
95th percentile per-packet one-way delay: 192.339 ms
```

```
Loss rate: 0.87%
```

Run 1: Report of Vivace-loss — Data Link



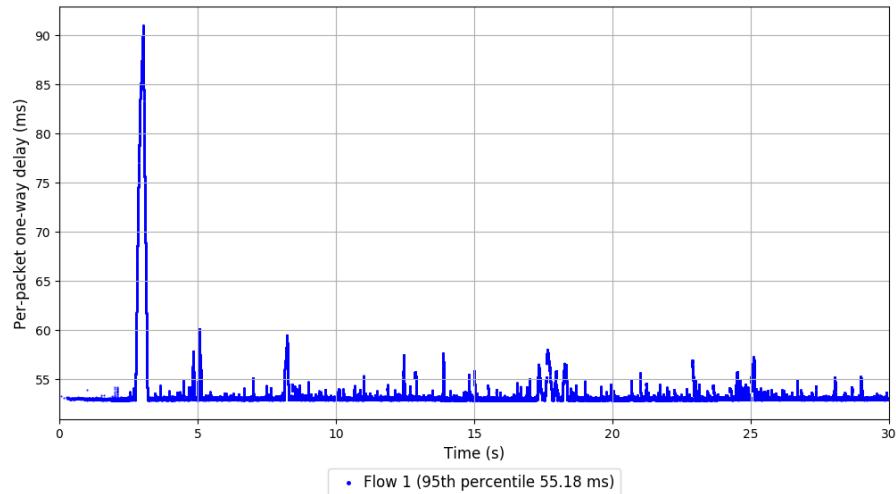
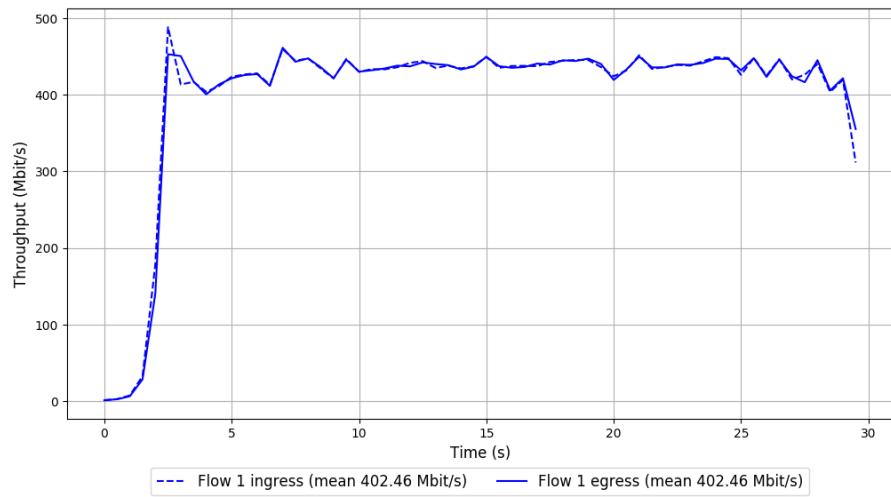
Run 2: Statistics of Vivace-loss

Start at: 2018-03-20 16:09:27

End at: 2018-03-20 16:09:57

```
# Below is generated by plot.py at 2018-03-20 21:08:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 402.46 Mbit/s
95th percentile per-packet one-way delay: 55.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 402.46 Mbit/s
95th percentile per-packet one-way delay: 55.183 ms
Loss rate: 0.00%
```

Run 2: Report of Vivace-loss — Data Link



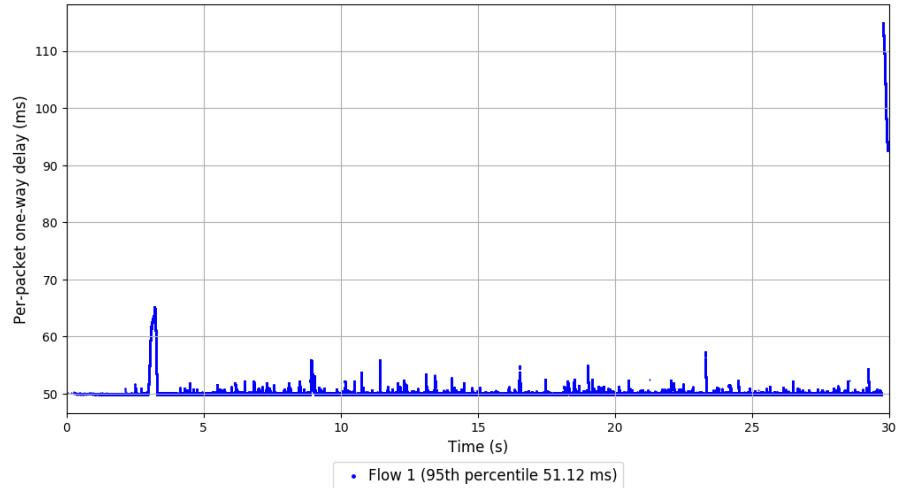
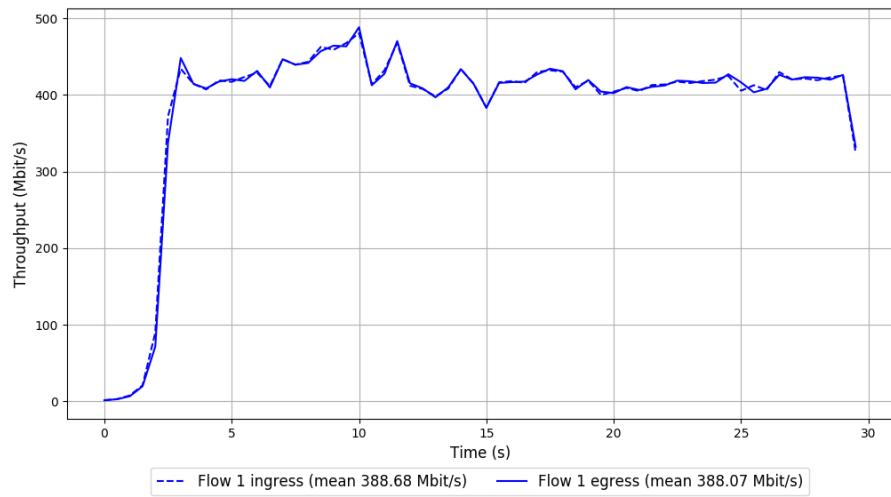
Run 3: Statistics of Vivace-loss

Start at: 2018-03-20 16:23:42

End at: 2018-03-20 16:24:12

```
# Below is generated by plot.py at 2018-03-20 21:08:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 388.07 Mbit/s
95th percentile per-packet one-way delay: 51.117 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 388.07 Mbit/s
95th percentile per-packet one-way delay: 51.117 ms
Loss rate: 0.14%
```

Run 3: Report of Vivace-loss — Data Link



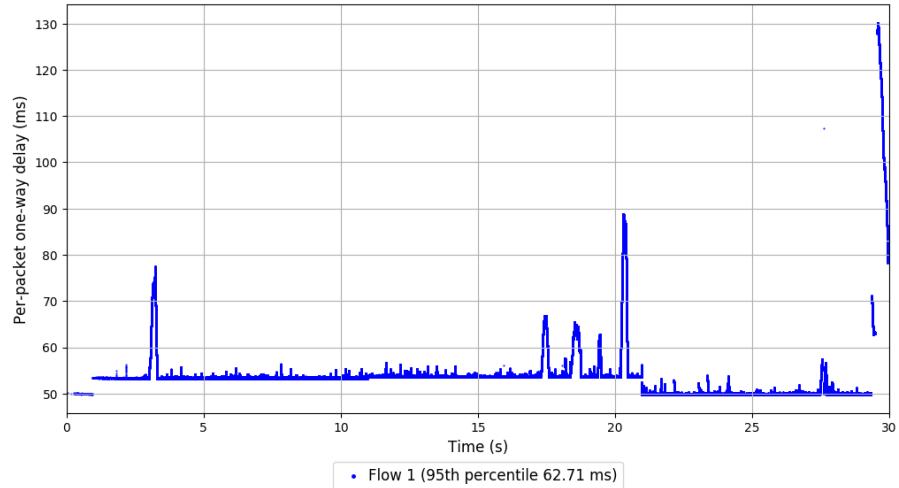
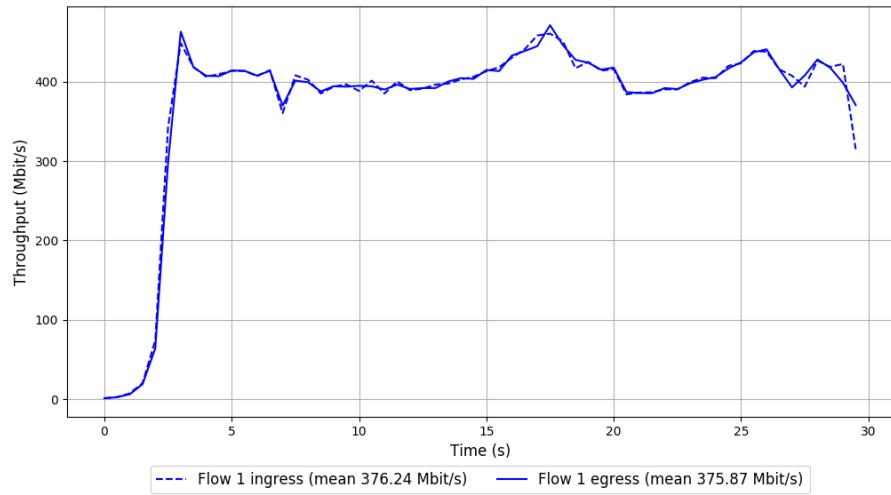
Run 4: Statistics of Vivace-loss

Start at: 2018-03-20 16:38:00

End at: 2018-03-20 16:38:30

```
# Below is generated by plot.py at 2018-03-20 21:09:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 375.87 Mbit/s
95th percentile per-packet one-way delay: 62.708 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 375.87 Mbit/s
95th percentile per-packet one-way delay: 62.708 ms
Loss rate: 0.04%
```

Run 4: Report of Vivace-loss — Data Link



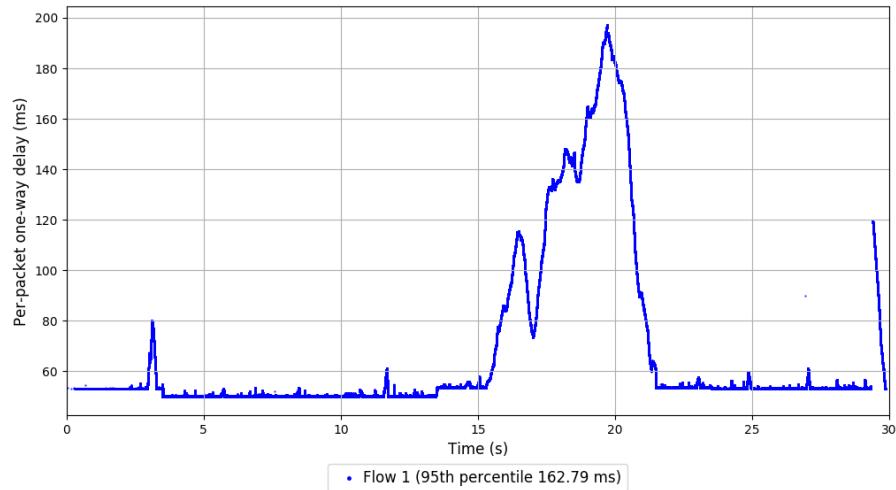
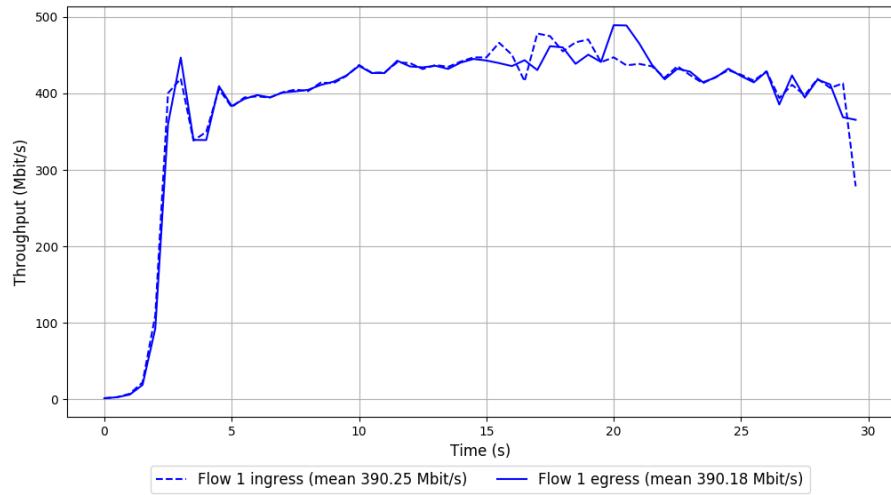
Run 5: Statistics of Vivace-loss

Start at: 2018-03-20 16:52:38

End at: 2018-03-20 16:53:08

```
# Below is generated by plot.py at 2018-03-20 21:11:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 390.18 Mbit/s
95th percentile per-packet one-way delay: 162.792 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 390.18 Mbit/s
95th percentile per-packet one-way delay: 162.792 ms
Loss rate: 0.02%
```

Run 5: Report of Vivace-loss — Data Link



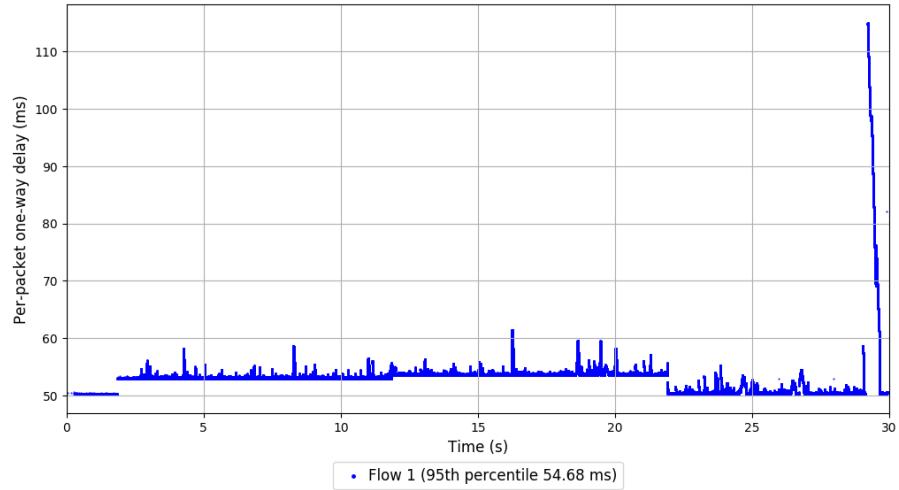
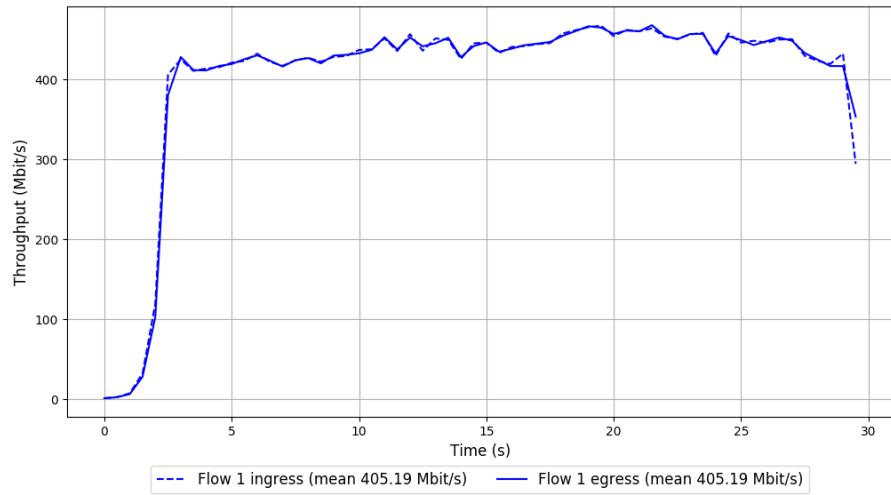
Run 6: Statistics of Vivace-loss

Start at: 2018-03-20 17:06:49

End at: 2018-03-20 17:07:19

```
# Below is generated by plot.py at 2018-03-20 21:13:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 405.19 Mbit/s
95th percentile per-packet one-way delay: 54.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 405.19 Mbit/s
95th percentile per-packet one-way delay: 54.680 ms
Loss rate: 0.00%
```

Run 6: Report of Vivace-loss — Data Link



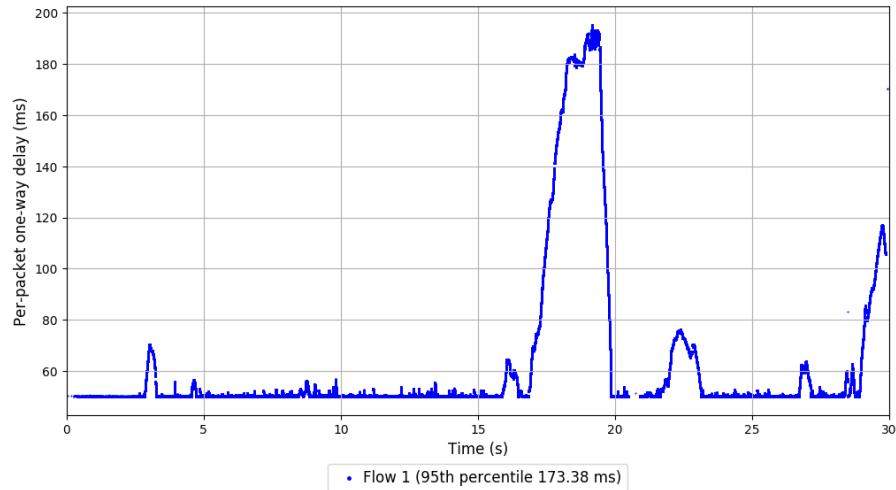
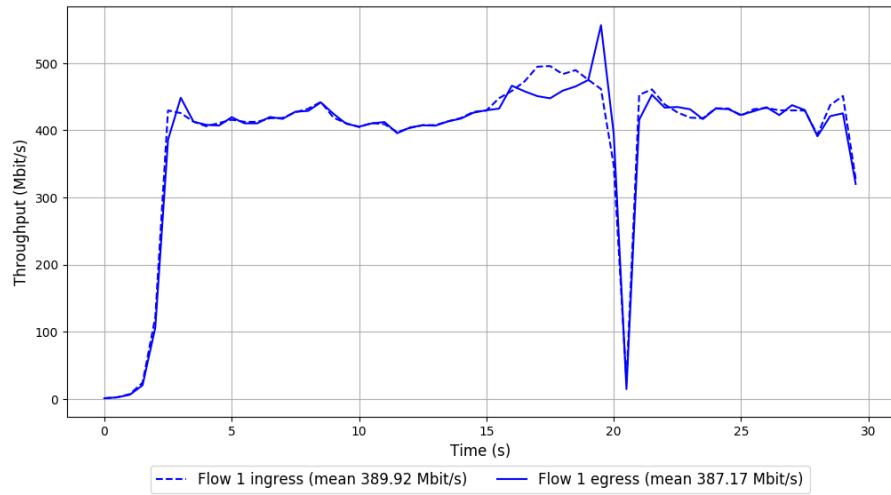
Run 7: Statistics of Vivace-loss

Start at: 2018-03-20 17:21:05

End at: 2018-03-20 17:21:35

```
# Below is generated by plot.py at 2018-03-20 21:13:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 387.17 Mbit/s
95th percentile per-packet one-way delay: 173.377 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 387.17 Mbit/s
95th percentile per-packet one-way delay: 173.377 ms
Loss rate: 0.69%
```

Run 7: Report of Vivace-loss — Data Link



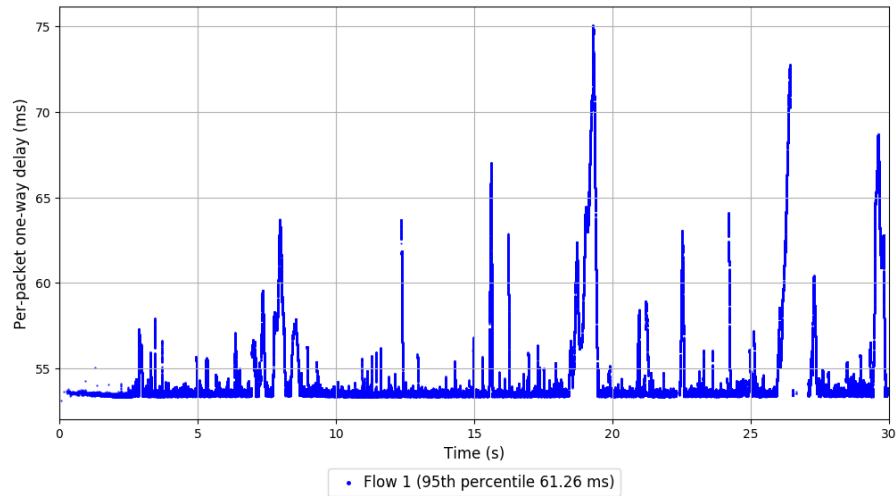
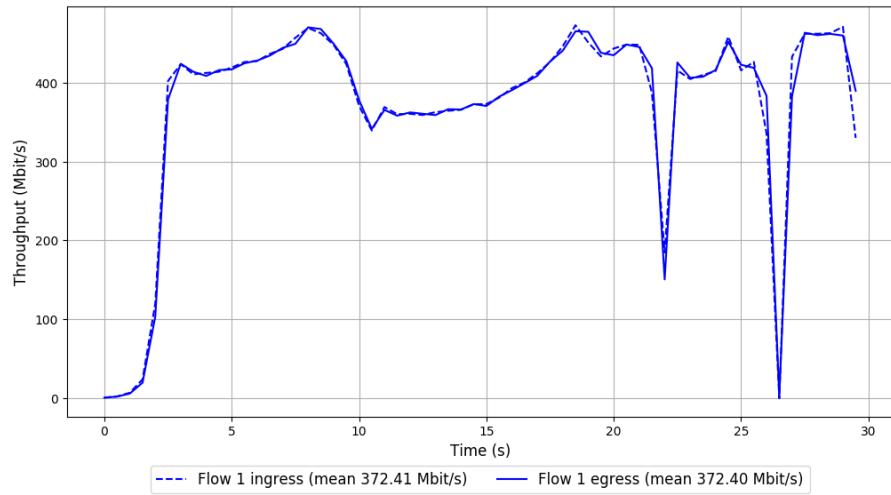
Run 8: Statistics of Vivace-loss

Start at: 2018-03-20 17:35:21

End at: 2018-03-20 17:35:51

```
# Below is generated by plot.py at 2018-03-20 21:13:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 372.40 Mbit/s
95th percentile per-packet one-way delay: 61.259 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 372.40 Mbit/s
95th percentile per-packet one-way delay: 61.259 ms
Loss rate: 0.01%
```

Run 8: Report of Vivace-loss — Data Link



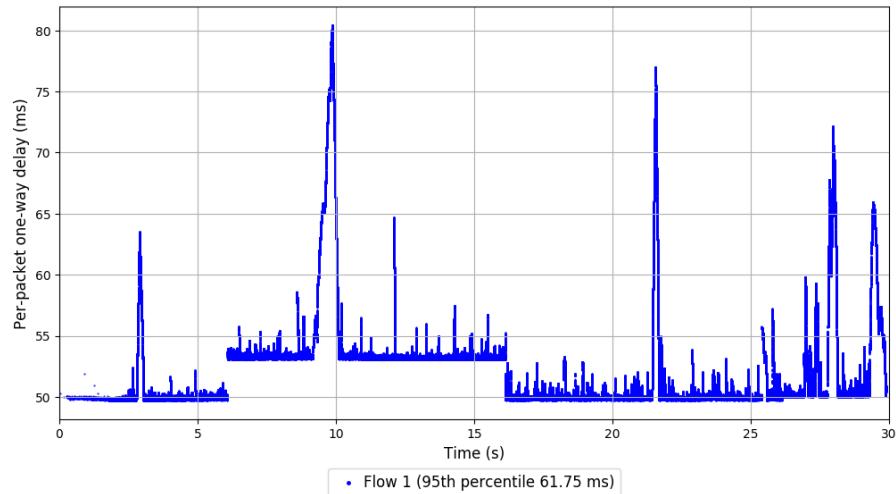
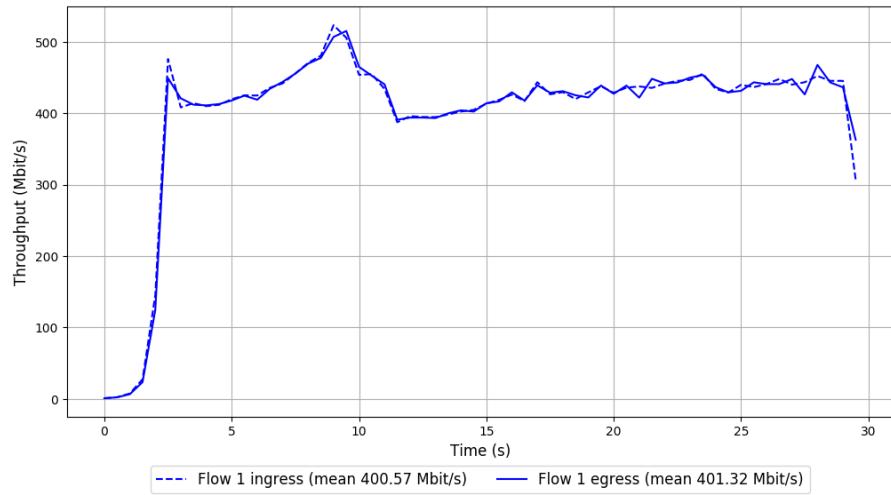
Run 9: Statistics of Vivace-loss

Start at: 2018-03-20 17:49:55

End at: 2018-03-20 17:50:25

```
# Below is generated by plot.py at 2018-03-20 21:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 401.32 Mbit/s
95th percentile per-packet one-way delay: 61.754 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 401.32 Mbit/s
95th percentile per-packet one-way delay: 61.754 ms
Loss rate: 0.00%
```

Run 9: Report of Vivace-loss — Data Link



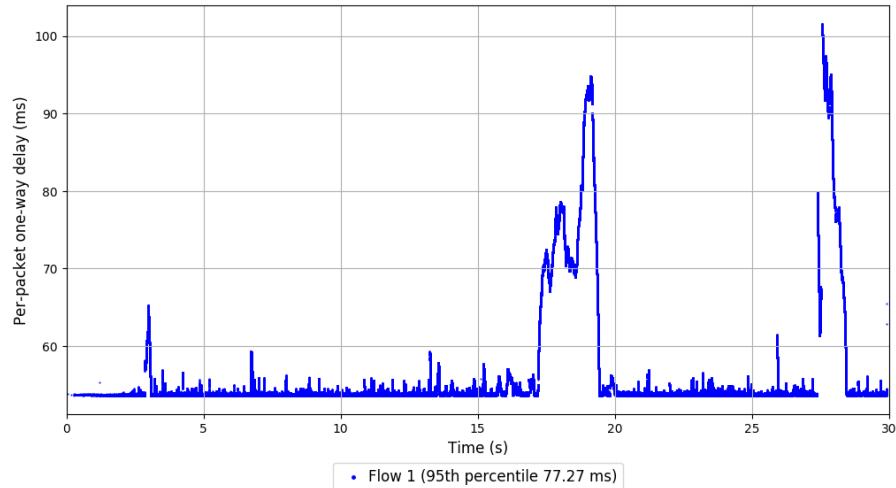
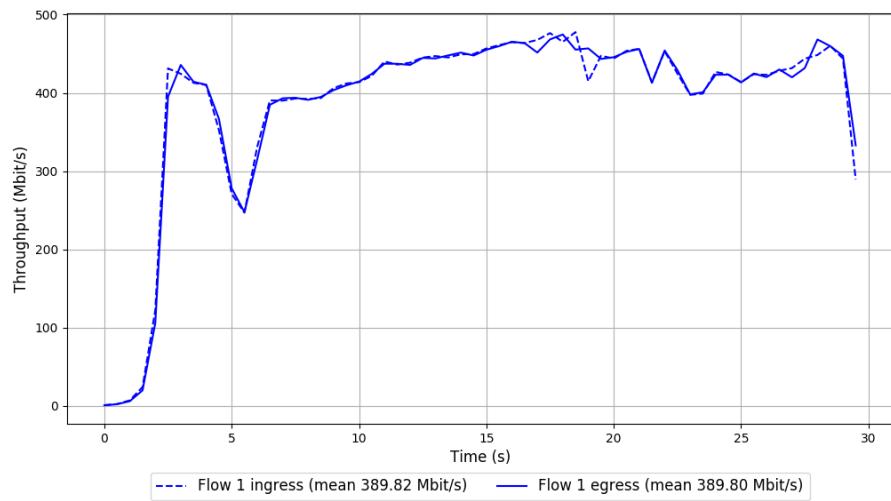
Run 10: Statistics of Vivace-loss

Start at: 2018-03-20 18:04:15

End at: 2018-03-20 18:04:45

```
# Below is generated by plot.py at 2018-03-20 21:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 389.80 Mbit/s
95th percentile per-packet one-way delay: 77.274 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 389.80 Mbit/s
95th percentile per-packet one-way delay: 77.274 ms
Loss rate: 0.02%
```

Run 10: Report of Vivace-loss — Data Link



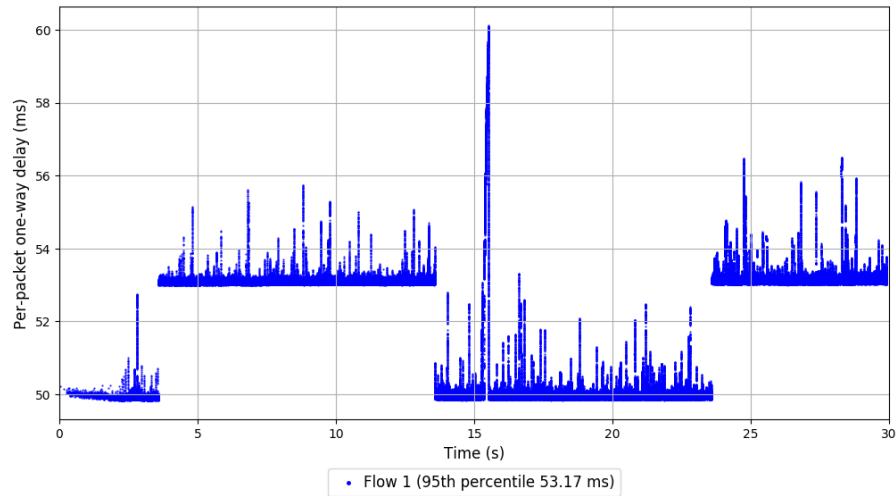
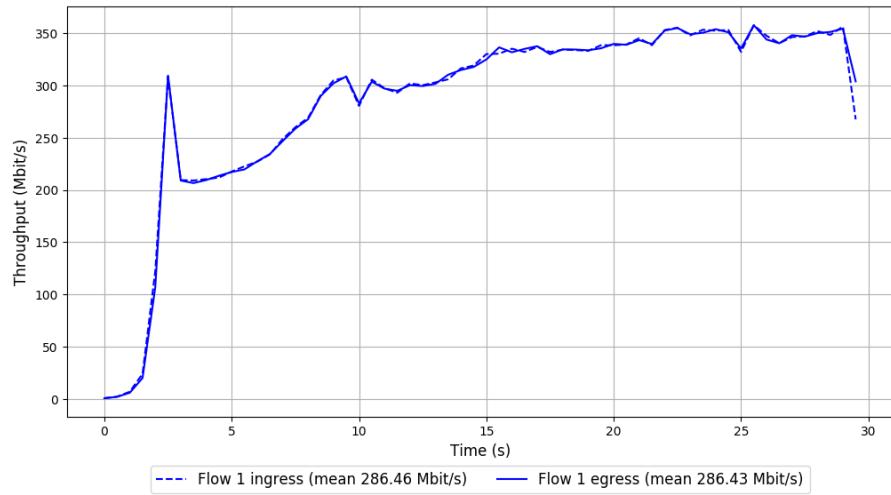
Run 1: Statistics of Vivace-LTE

Start at: 2018-03-20 15:59:48

End at: 2018-03-20 16:00:18

```
# Below is generated by plot.py at 2018-03-20 21:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 286.43 Mbit/s
95th percentile per-packet one-way delay: 53.175 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 286.43 Mbit/s
95th percentile per-packet one-way delay: 53.175 ms
Loss rate: 0.01%
```

Run 1: Report of Vivace-LTE — Data Link



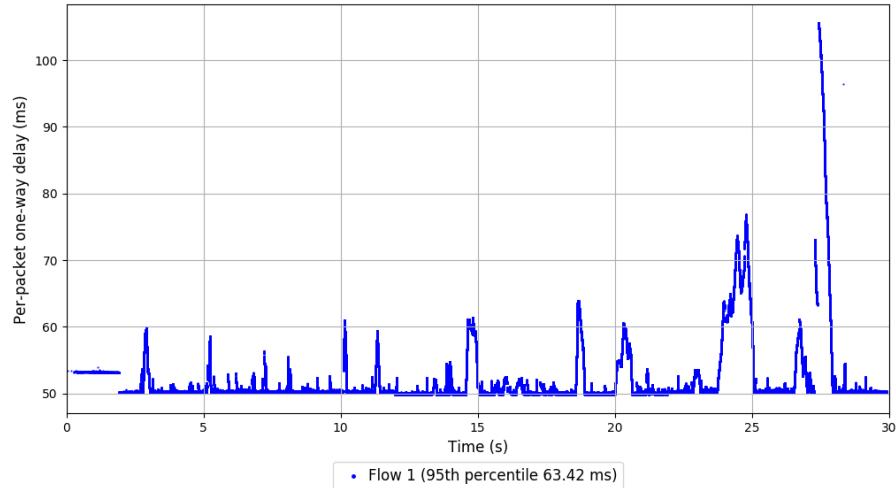
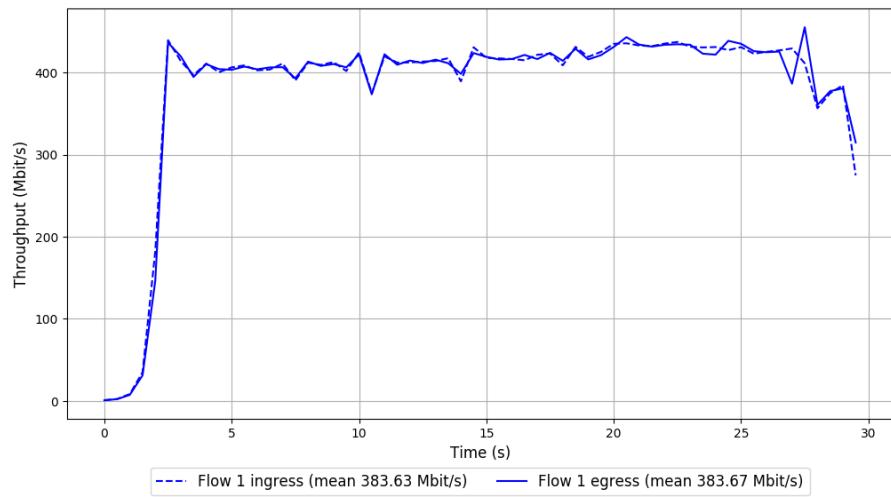
Run 2: Statistics of Vivace-LTE

Start at: 2018-03-20 16:13:59

End at: 2018-03-20 16:14:29

```
# Below is generated by plot.py at 2018-03-20 21:15:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 383.67 Mbit/s
95th percentile per-packet one-way delay: 63.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 383.67 Mbit/s
95th percentile per-packet one-way delay: 63.420 ms
Loss rate: 0.00%
```

Run 2: Report of Vivace-LTE — Data Link



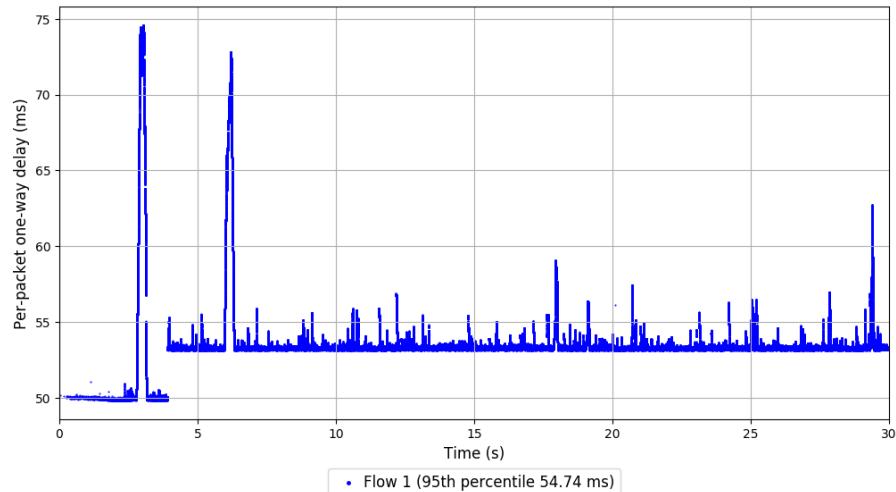
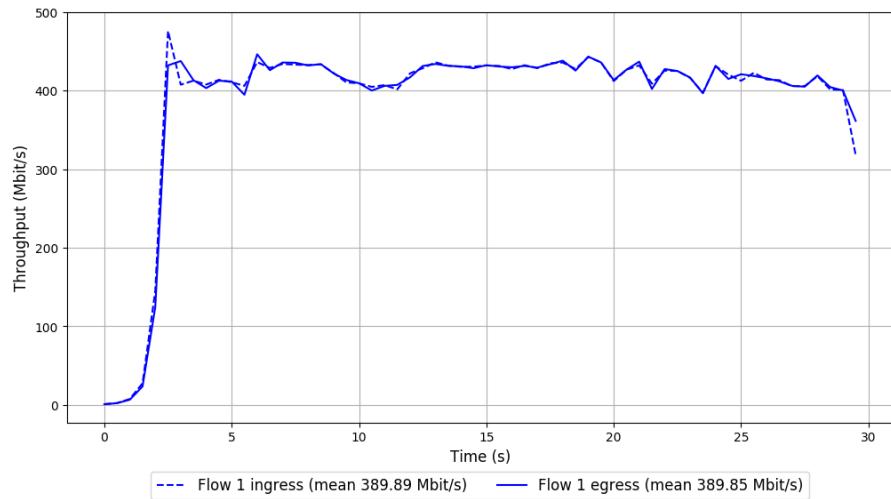
Run 3: Statistics of Vivace-LTE

Start at: 2018-03-20 16:28:17

End at: 2018-03-20 16:28:47

```
# Below is generated by plot.py at 2018-03-20 21:18:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 389.85 Mbit/s
95th percentile per-packet one-way delay: 54.744 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 389.85 Mbit/s
95th percentile per-packet one-way delay: 54.744 ms
Loss rate: 0.00%
```

Run 3: Report of Vivace-LTE — Data Link



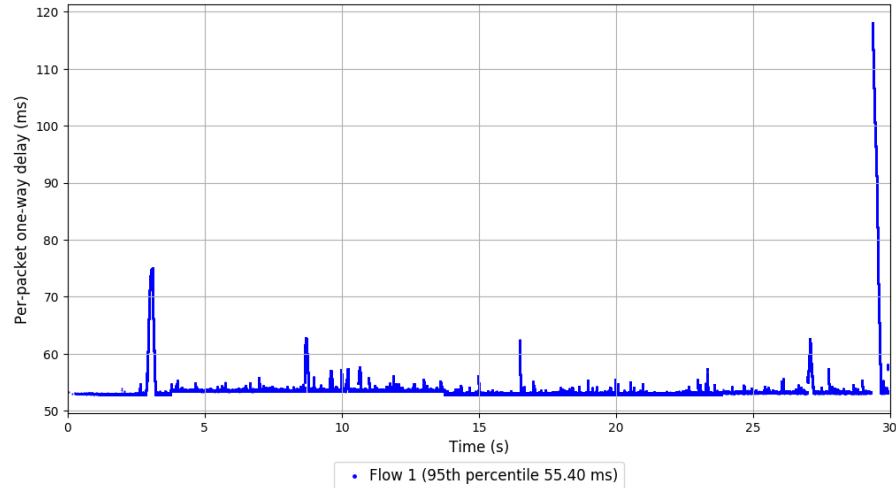
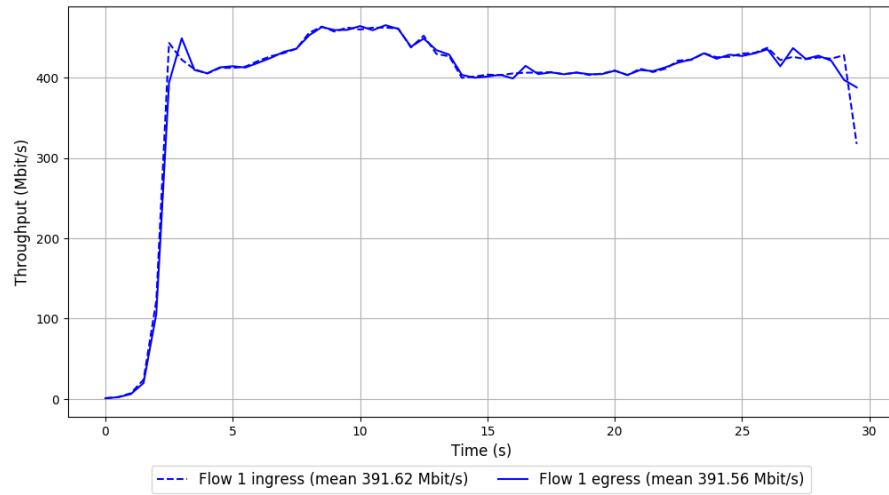
Run 4: Statistics of Vivace-LTE

Start at: 2018-03-20 16:42:47

End at: 2018-03-20 16:43:17

```
# Below is generated by plot.py at 2018-03-20 21:19:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 391.56 Mbit/s
95th percentile per-packet one-way delay: 55.399 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 391.56 Mbit/s
95th percentile per-packet one-way delay: 55.399 ms
Loss rate: 0.02%
```

Run 4: Report of Vivace-LTE — Data Link



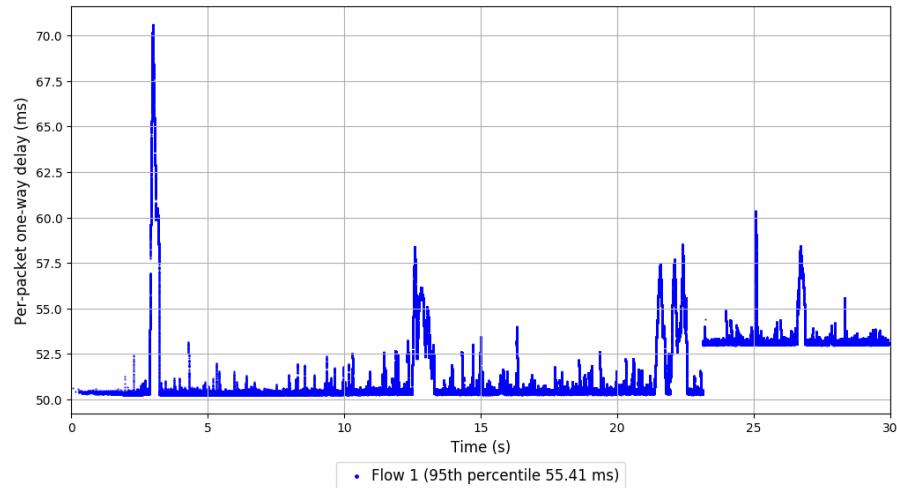
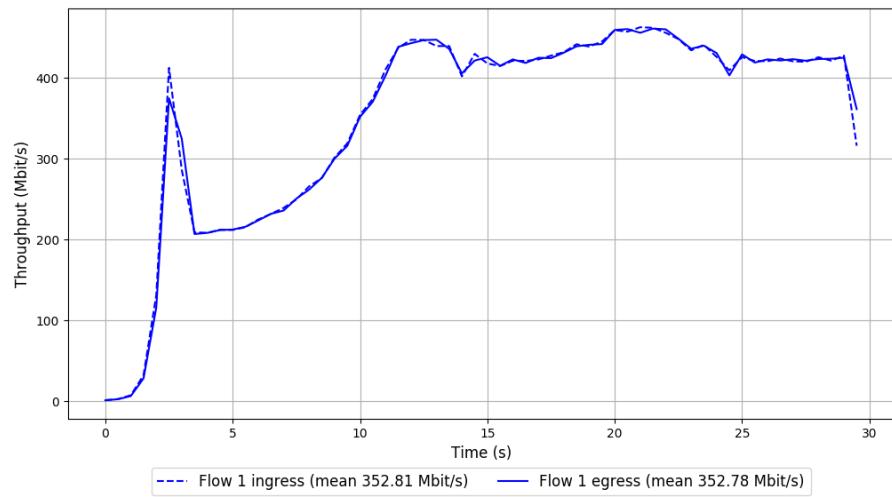
Run 5: Statistics of Vivace-LTE

Start at: 2018-03-20 16:57:08

End at: 2018-03-20 16:57:38

```
# Below is generated by plot.py at 2018-03-20 21:19:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 352.78 Mbit/s
95th percentile per-packet one-way delay: 55.408 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 352.78 Mbit/s
95th percentile per-packet one-way delay: 55.408 ms
Loss rate: 0.00%
```

Run 5: Report of Vivace-LTE — Data Link



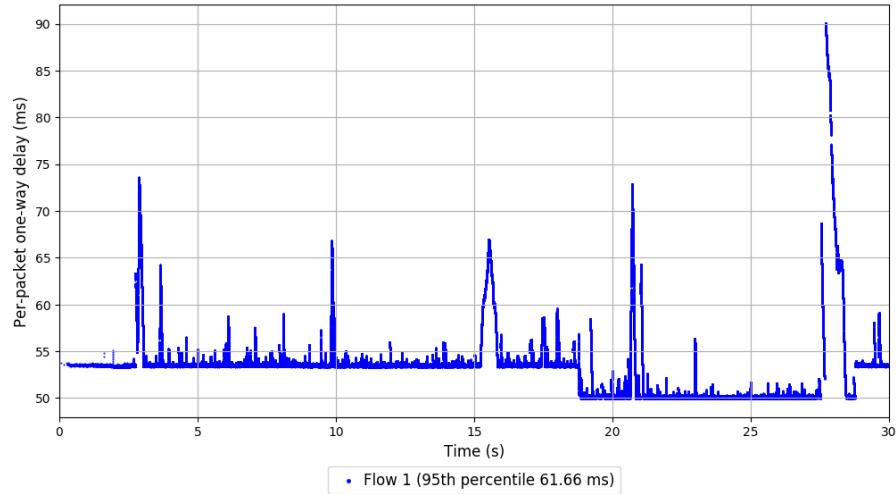
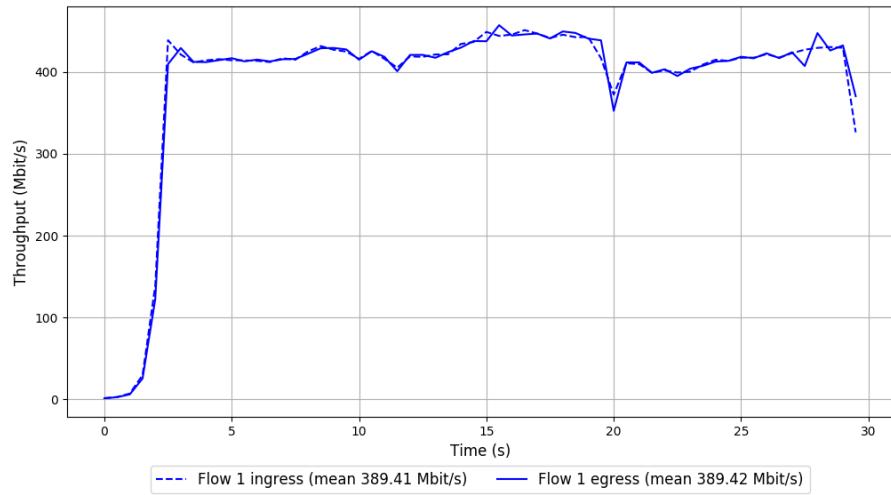
Run 6: Statistics of Vivace-LTE

Start at: 2018-03-20 17:11:22

End at: 2018-03-20 17:11:52

```
# Below is generated by plot.py at 2018-03-20 21:20:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 389.42 Mbit/s
95th percentile per-packet one-way delay: 61.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 389.42 Mbit/s
95th percentile per-packet one-way delay: 61.656 ms
Loss rate: 0.00%
```

Run 6: Report of Vivace-LTE — Data Link



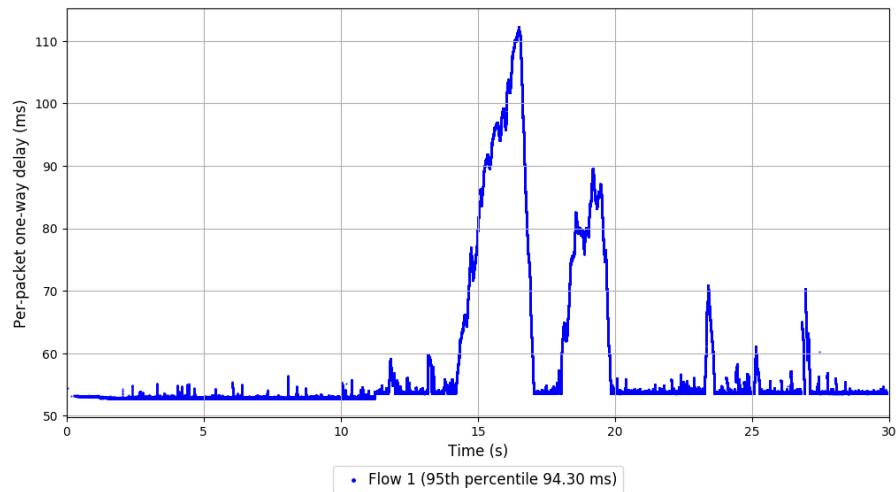
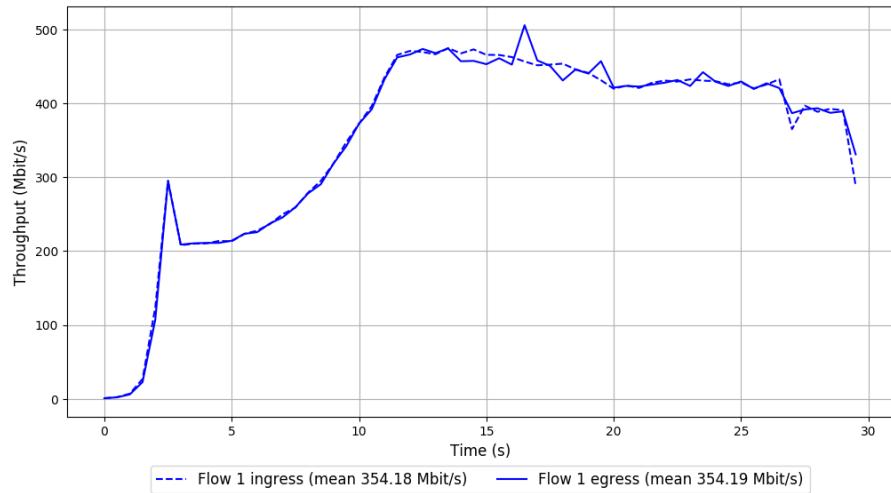
Run 7: Statistics of Vivace-LTE

Start at: 2018-03-20 17:25:40

End at: 2018-03-20 17:26:10

```
# Below is generated by plot.py at 2018-03-20 21:20:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 354.19 Mbit/s
95th percentile per-packet one-way delay: 94.297 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 354.19 Mbit/s
95th percentile per-packet one-way delay: 94.297 ms
Loss rate: 0.00%
```

Run 7: Report of Vivace-LTE — Data Link



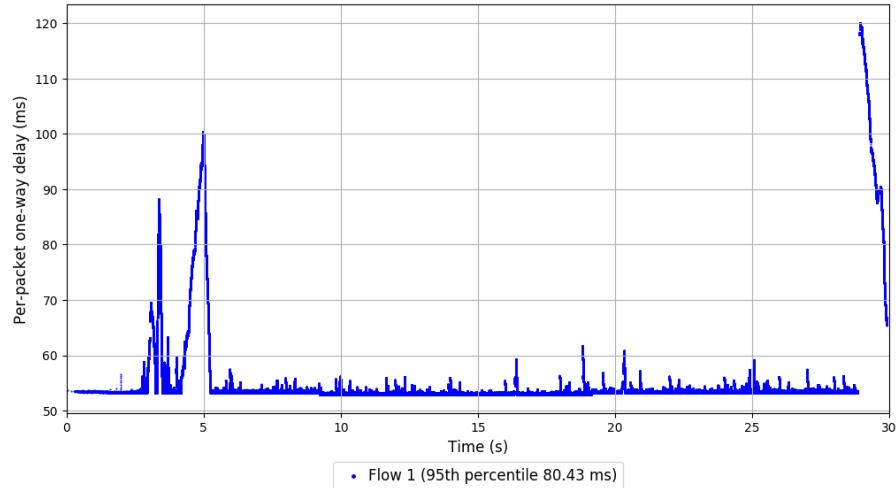
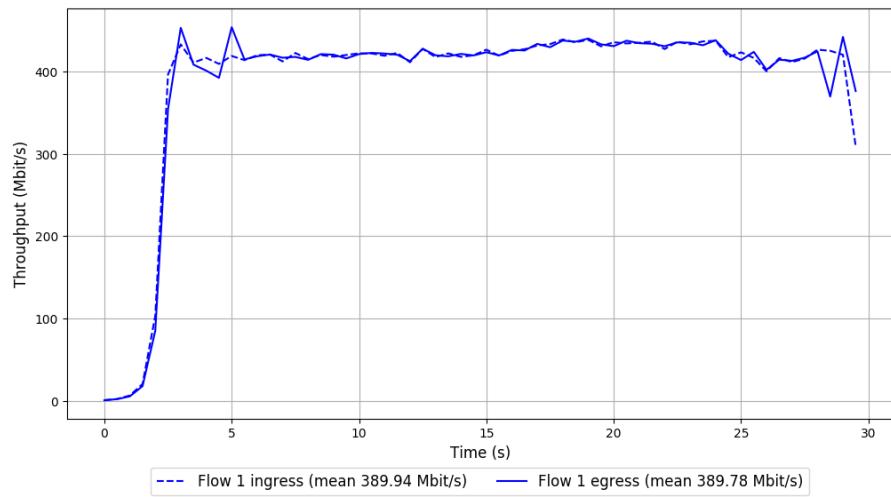
Run 8: Statistics of Vivace-LTE

Start at: 2018-03-20 17:40:12

End at: 2018-03-20 17:40:42

```
# Below is generated by plot.py at 2018-03-20 21:20:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 389.78 Mbit/s
95th percentile per-packet one-way delay: 80.429 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 389.78 Mbit/s
95th percentile per-packet one-way delay: 80.429 ms
Loss rate: 0.05%
```

Run 8: Report of Vivace-LTE — Data Link



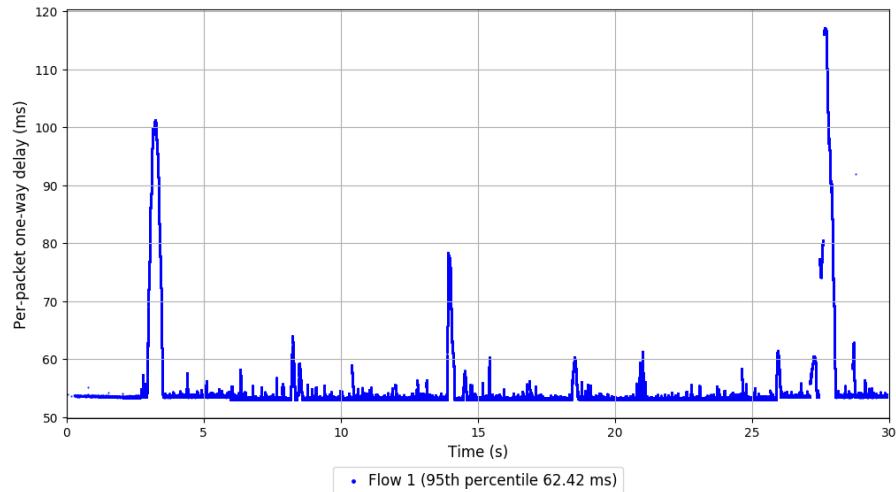
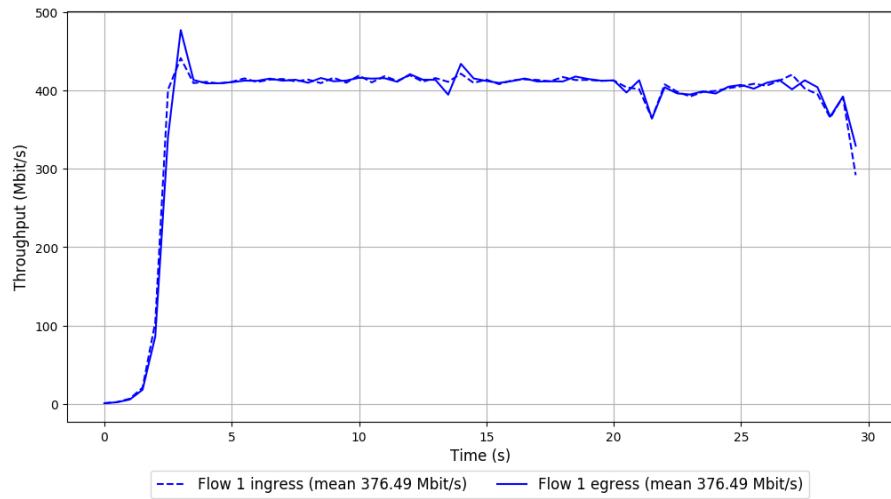
Run 9: Statistics of Vivace-LTE

Start at: 2018-03-20 17:54:35

End at: 2018-03-20 17:55:05

```
# Below is generated by plot.py at 2018-03-20 21:20:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 376.49 Mbit/s
95th percentile per-packet one-way delay: 62.422 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 376.49 Mbit/s
95th percentile per-packet one-way delay: 62.422 ms
Loss rate: 0.01%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-20 18:09:03

End at: 2018-03-20 18:09:33

```
# Below is generated by plot.py at 2018-03-20 21:20:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 385.59 Mbit/s
95th percentile per-packet one-way delay: 55.161 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 385.59 Mbit/s
95th percentile per-packet one-way delay: 55.161 ms
Loss rate: 0.00%
```

Run 10: Report of Vivace-LTE — Data Link

