

## Pantheon Report

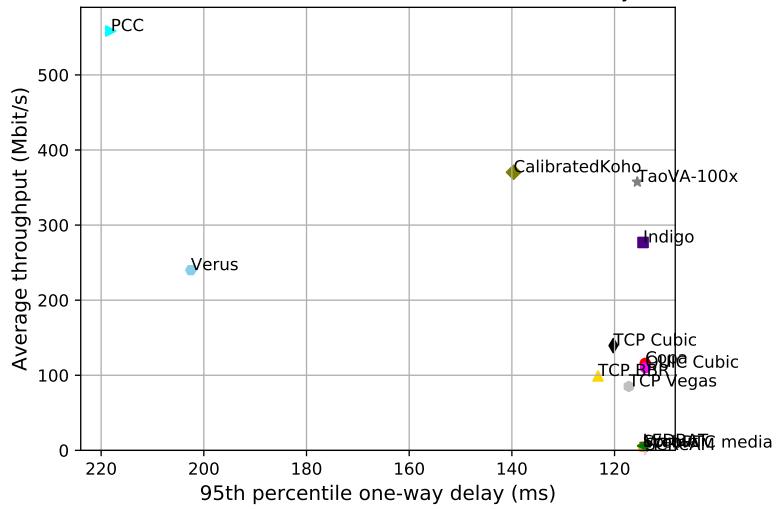
Generated at 2017-10-12 09:46:00 (UTC).  
Data path: GCE Iowa Ethernet (*local*) → GCE Sydney Ethernet (*remote*).  
Repeated the test of 14 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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**).

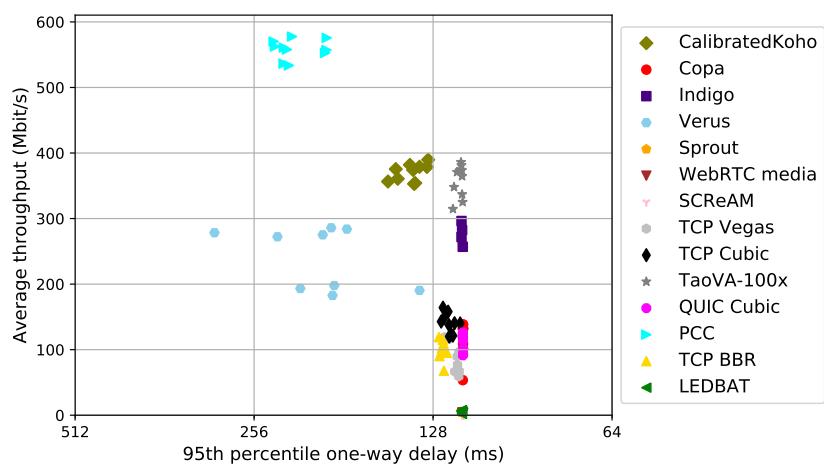
Git summary:

```
branch: indigos @ 45998d6404be7c5106956530acb9cfc43bd06e7d
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906dff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
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/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from GCE Iowa Ethernet to GCE Sydney Ethernet, 10 runs of 30s each per scheme  
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE Iowa Ethernet to GCE Sydney Ethernet, 10 runs of 30s each per scheme  
 3 flows with 10s interval between flows



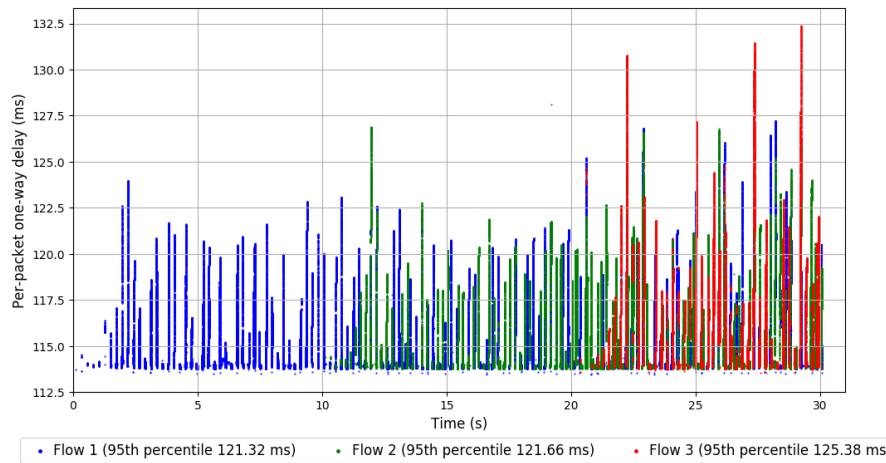
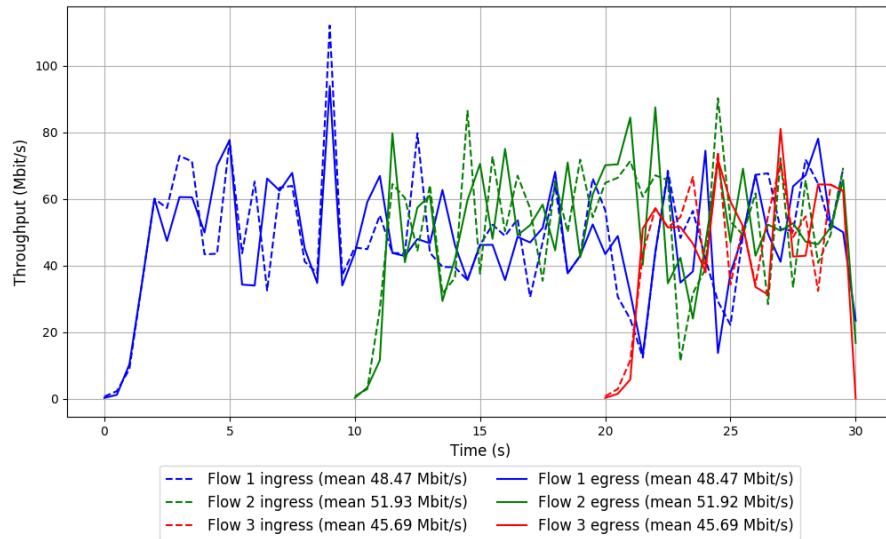
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	46.84	51.07	56.62	583.44	123.26	125.19	0.00	0.00	0.00
TCP Cubic		74.78	69.99	55.42	119.30	120.43	120.94	0.00	0.06	0.04
LEDBAT		2.65	3.98	2.01	559.07	114.59	114.50	0.02	0.00	0.05
PCC		485.03	88.66	43.95	218.03	215.28	218.23	2.04	1.53	1.85
QUIC Cubic		59.80	57.79	37.01	113.84	113.99	113.96	0.00	0.00	0.01
SCReAM		0.21	0.22	0.22	114.02	113.90	113.96	0.00	0.00	0.00
WebRTC media		2.00	1.29	0.47	114.01	113.99	114.04	0.00	0.00	0.01
Sprout		2.47	2.14	1.88	114.50	114.42	114.36	0.04	0.02	0.00
TaoVA-100x		198.38	188.09	136.22	114.96	116.10	118.10	0.00	0.01	0.01
TCP Vegas		43.49	41.18	42.87	115.93	118.18	118.77	0.03	0.01	0.00
Verus	10	152.76	103.15	59.25	197.37	172.07	193.15	0.75	0.36	1.56
Copa		58.58	62.54	59.89	114.01	114.01	114.04	0.00	0.00	0.00
CalibratedKoho		275.94	140.46	2.61	140.04	139.78	134.55	0.03	0.13	0.45
Indigo	4	143.59	136.99	132.56	114.17	114.54	117.36	0.00	0.00	0.00

```
Run 1: Statistics of TCP BBR

Start at: 2017-10-12 05:44:00
End at: 2017-10-12 05:44:30

# Below is generated by plot.py at 2017-10-12 08:48:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 98.16 Mbit/s
95th percentile per-packet one-way delay: 121.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 121.317 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.92 Mbit/s
95th percentile per-packet one-way delay: 121.659 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.69 Mbit/s
95th percentile per-packet one-way delay: 125.383 ms
Loss rate: 0.00%
```

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



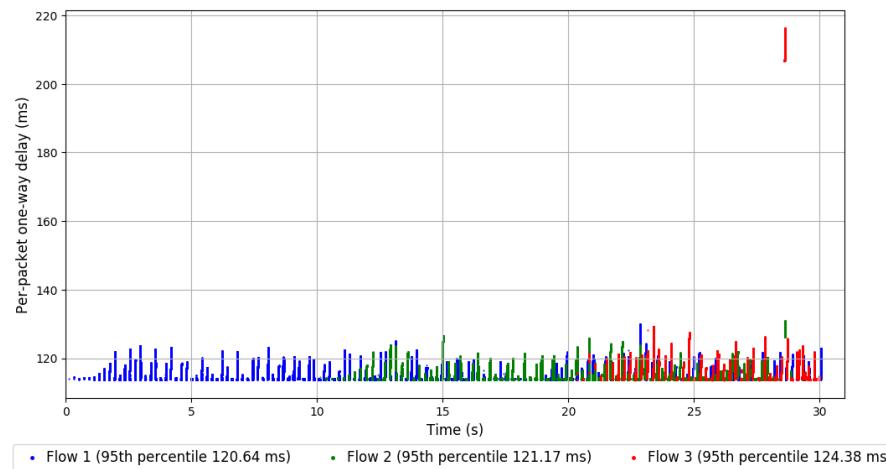
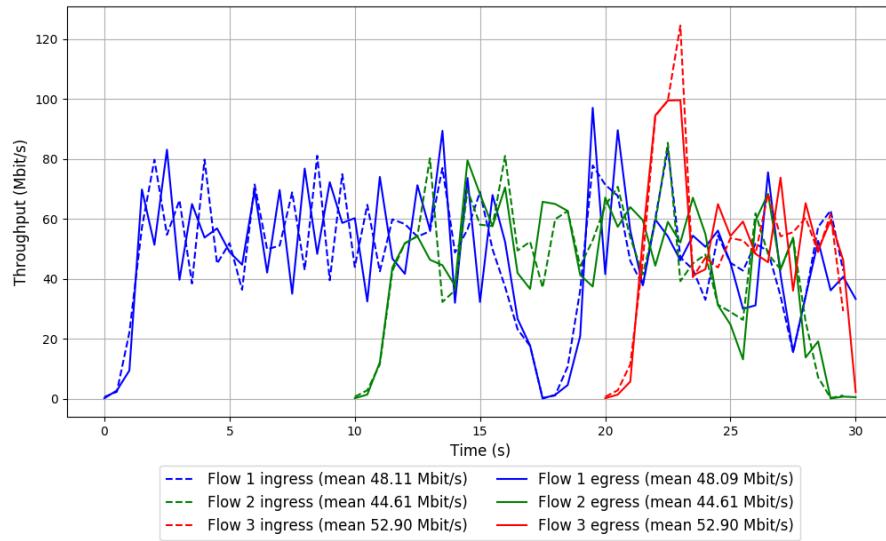
Run 2: Statistics of TCP BBR

Start at: 2017-10-12 05:57:17

End at: 2017-10-12 05:57:47

```
# Below is generated by plot.py at 2017-10-12 08:48:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 121.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.09 Mbit/s
95th percentile per-packet one-way delay: 120.645 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.61 Mbit/s
95th percentile per-packet one-way delay: 121.166 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 124.380 ms
Loss rate: 0.00%
```

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



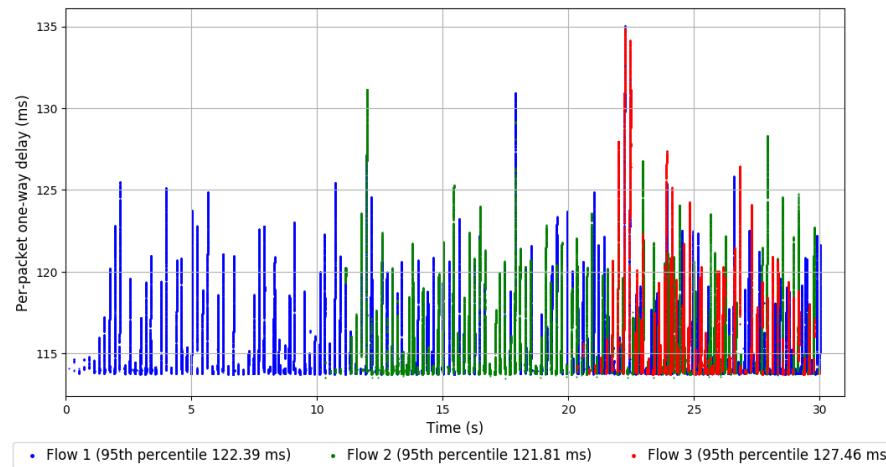
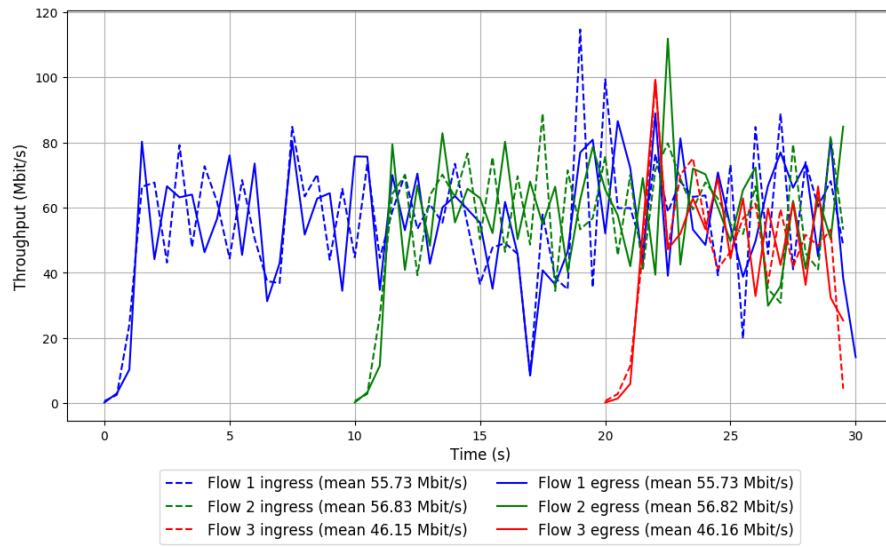
Run 3: Statistics of TCP BBR

Start at: 2017-10-12 06:10:40

End at: 2017-10-12 06:11:10

```
# Below is generated by plot.py at 2017-10-12 08:48:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 108.67 Mbit/s
95th percentile per-packet one-way delay: 122.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.73 Mbit/s
95th percentile per-packet one-way delay: 122.386 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 121.806 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.16 Mbit/s
95th percentile per-packet one-way delay: 127.456 ms
Loss rate: 0.00%
```

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



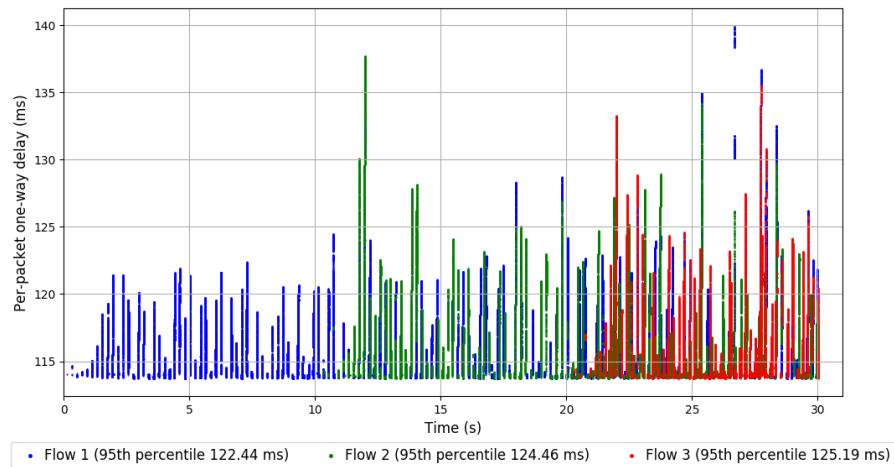
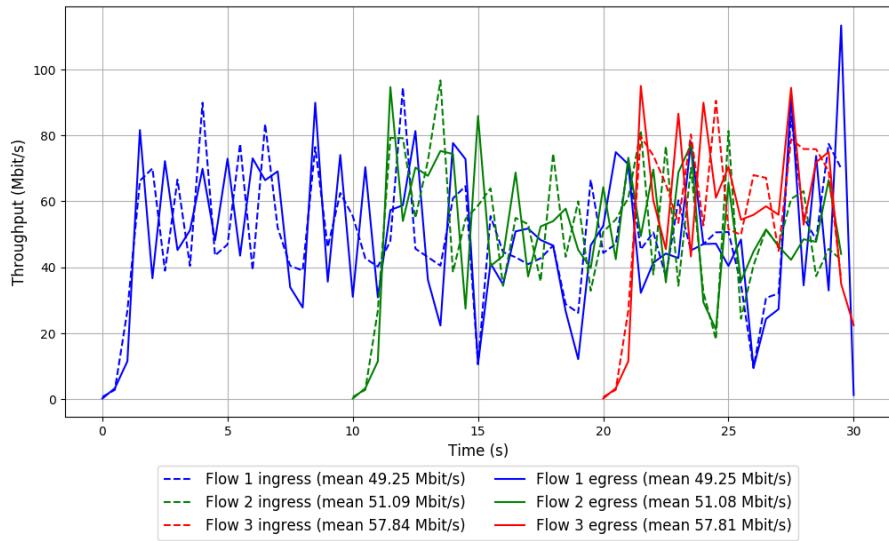
Run 4: Statistics of TCP BBR

Start at: 2017-10-12 06:24:12

End at: 2017-10-12 06:24:42

```
# Below is generated by plot.py at 2017-10-12 08:48:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 102.25 Mbit/s
95th percentile per-packet one-way delay: 123.721 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.25 Mbit/s
95th percentile per-packet one-way delay: 122.436 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.08 Mbit/s
95th percentile per-packet one-way delay: 124.463 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.81 Mbit/s
95th percentile per-packet one-way delay: 125.195 ms
Loss rate: 0.00%
```

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



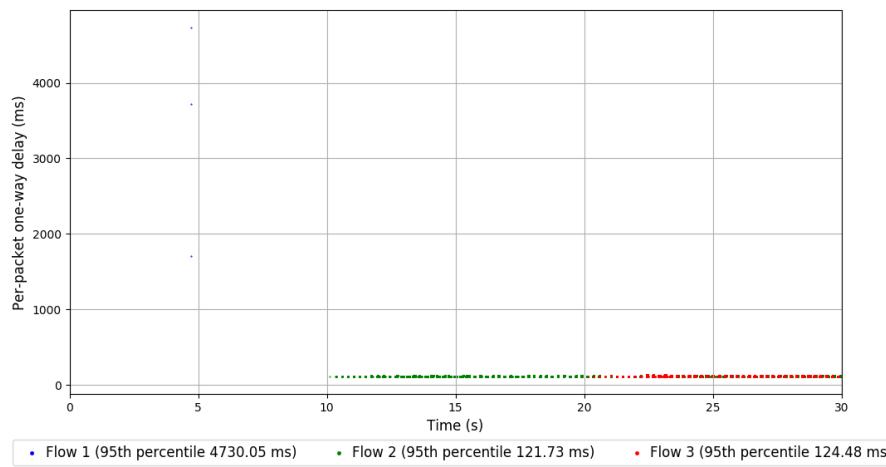
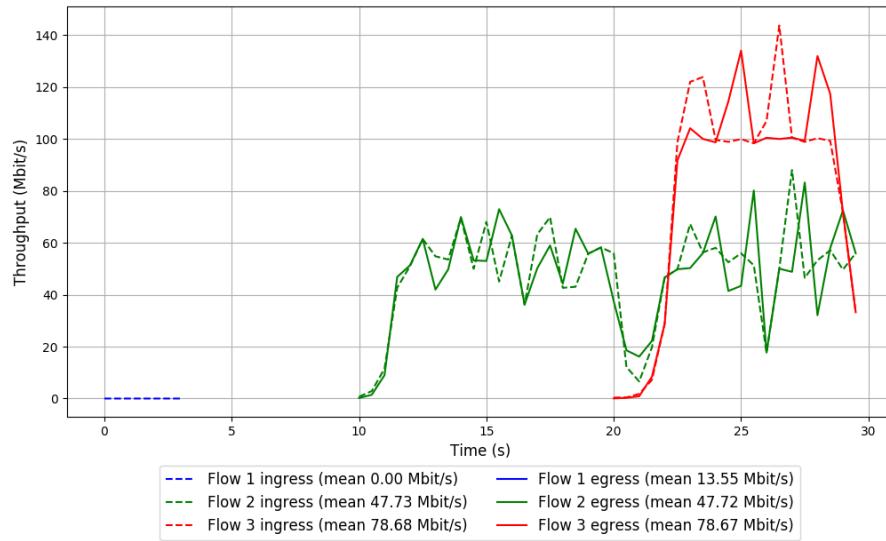
Run 5: Statistics of TCP BBR

Start at: 2017-10-12 06:37:36

End at: 2017-10-12 06:38:06

```
# Below is generated by plot.py at 2017-10-12 08:48:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.91 Mbit/s
95th percentile per-packet one-way delay: 122.746 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.55 Mbit/s
95th percentile per-packet one-way delay: 4730.051 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.72 Mbit/s
95th percentile per-packet one-way delay: 121.735 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 78.67 Mbit/s
95th percentile per-packet one-way delay: 124.480 ms
Loss rate: 0.02%
```

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



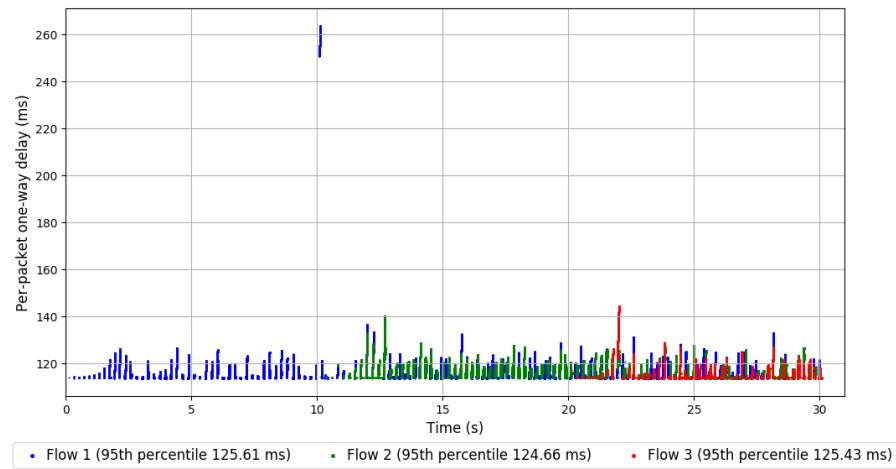
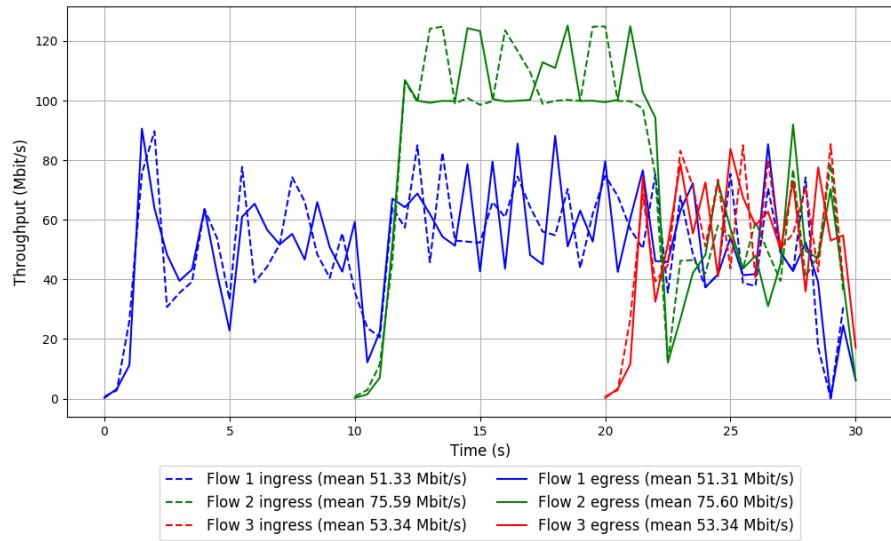
Run 6: Statistics of TCP BBR

Start at: 2017-10-12 06:51:05

End at: 2017-10-12 06:51:35

```
# Below is generated by plot.py at 2017-10-12 08:48:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 119.14 Mbit/s
95th percentile per-packet one-way delay: 125.122 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.31 Mbit/s
95th percentile per-packet one-way delay: 125.605 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 124.663 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 125.433 ms
Loss rate: 0.00%
```

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



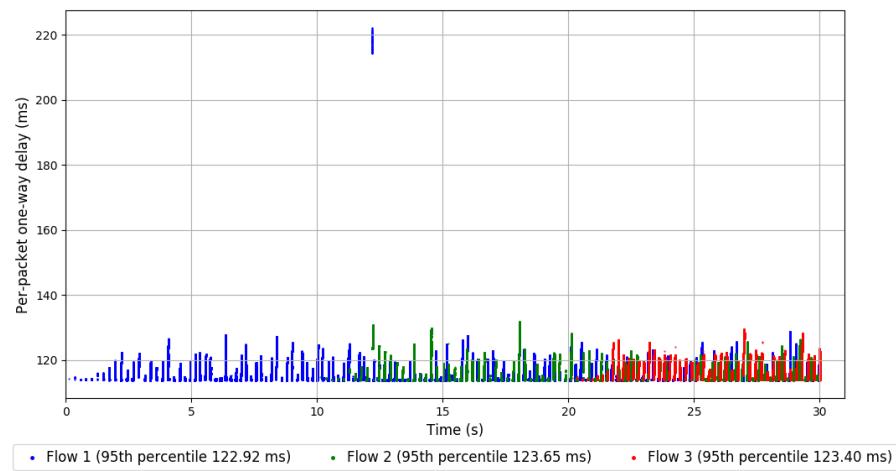
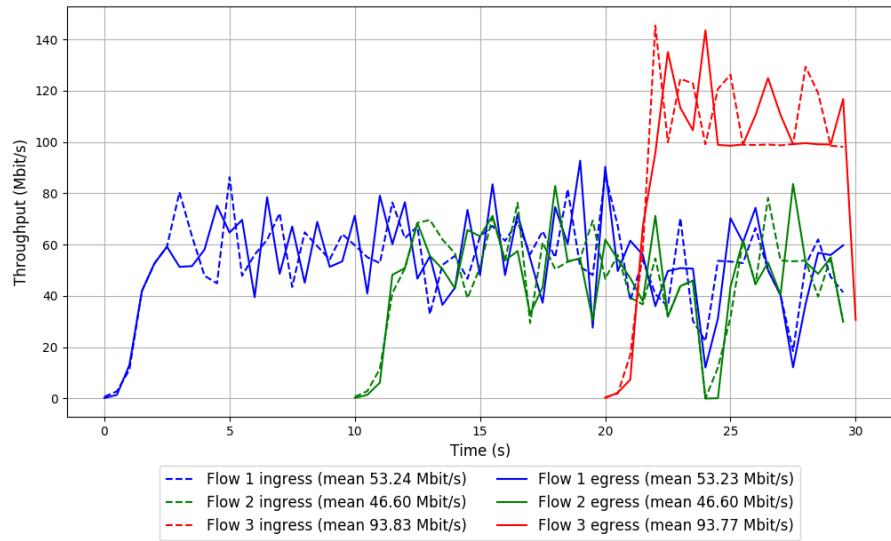
Run 7: Statistics of TCP BBR

Start at: 2017-10-12 07:04:33

End at: 2017-10-12 07:05:03

```
# Below is generated by plot.py at 2017-10-12 08:48:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 114.92 Mbit/s
95th percentile per-packet one-way delay: 123.237 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.23 Mbit/s
95th percentile per-packet one-way delay: 122.922 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.60 Mbit/s
95th percentile per-packet one-way delay: 123.651 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 123.398 ms
Loss rate: 0.00%
```

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



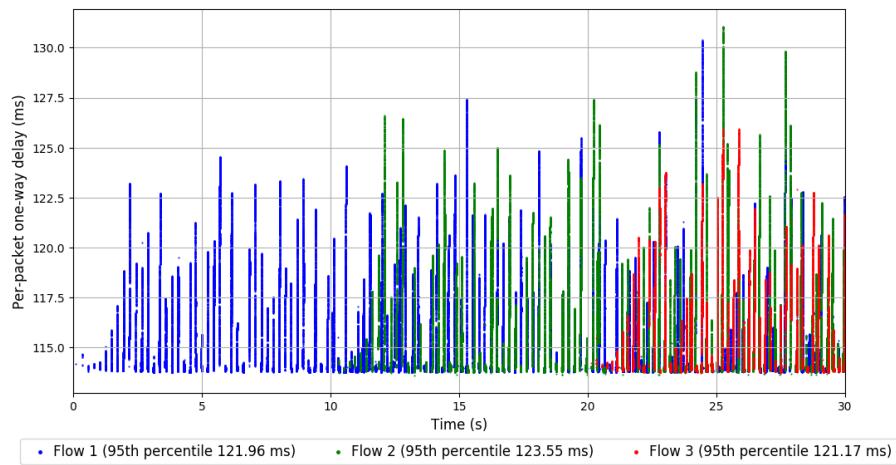
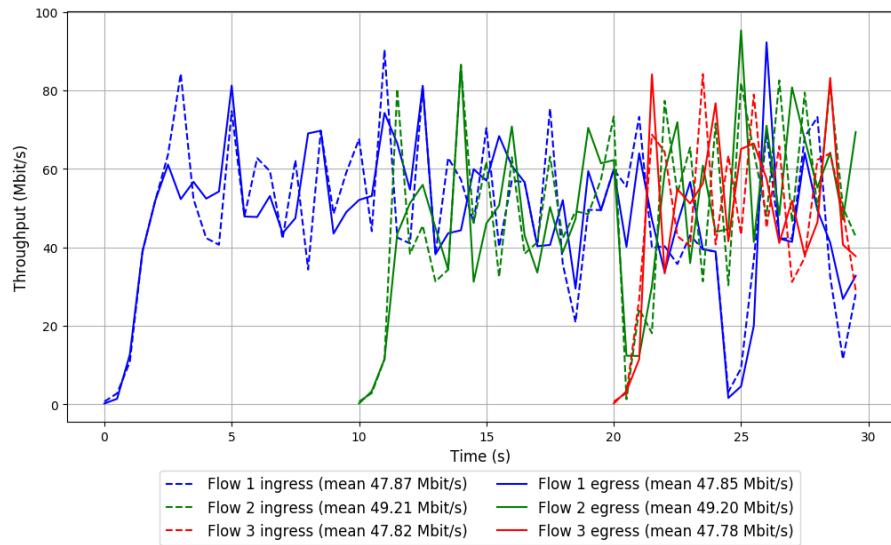
Run 8: Statistics of TCP BBR

Start at: 2017-10-12 07:17:46

End at: 2017-10-12 07:18:16

```
# Below is generated by plot.py at 2017-10-12 08:48:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 122.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.85 Mbit/s
95th percentile per-packet one-way delay: 121.964 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 123.549 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.78 Mbit/s
95th percentile per-packet one-way delay: 121.173 ms
Loss rate: 0.00%
```

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



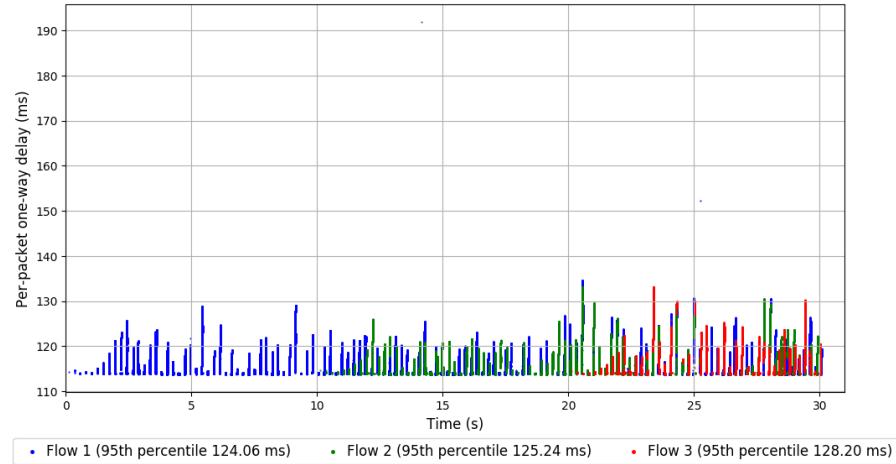
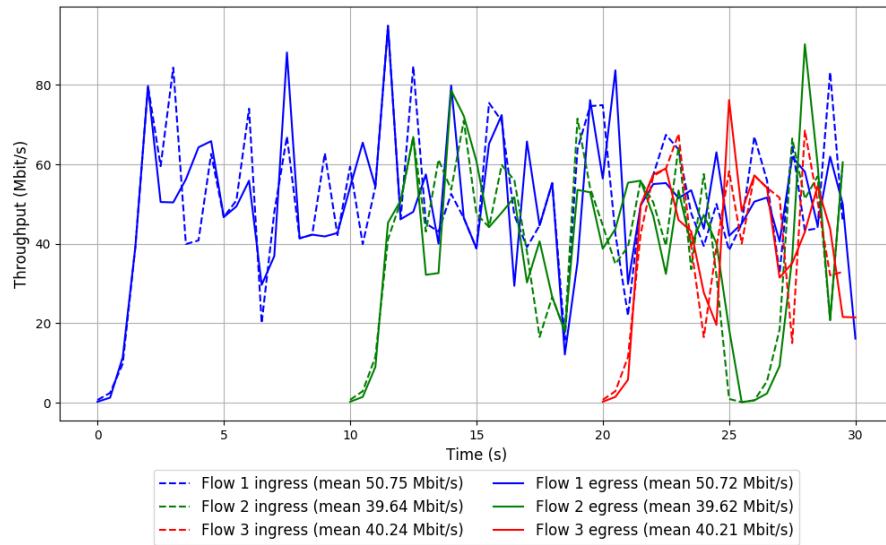
Run 9: Statistics of TCP BBR

Start at: 2017-10-12 07:31:20

End at: 2017-10-12 07:31:50

```
# Below is generated by plot.py at 2017-10-12 08:49:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.18 Mbit/s
95th percentile per-packet one-way delay: 124.831 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.72 Mbit/s
95th percentile per-packet one-way delay: 124.058 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 125.243 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 128.196 ms
Loss rate: 0.00%
```

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



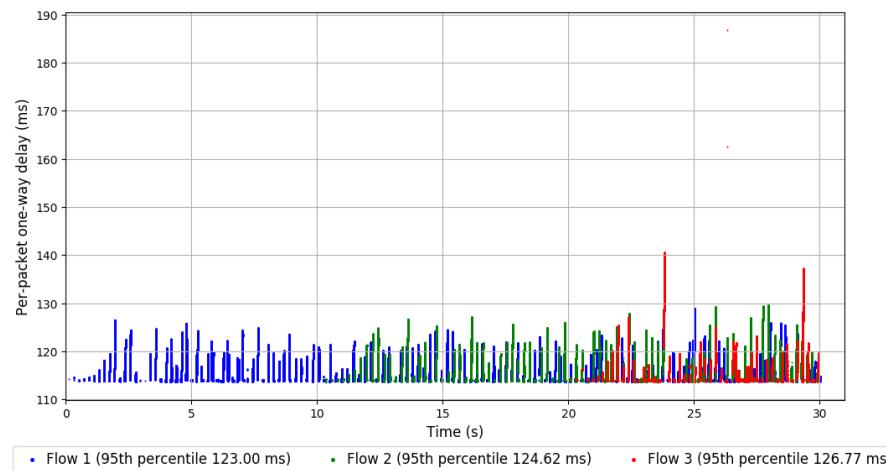
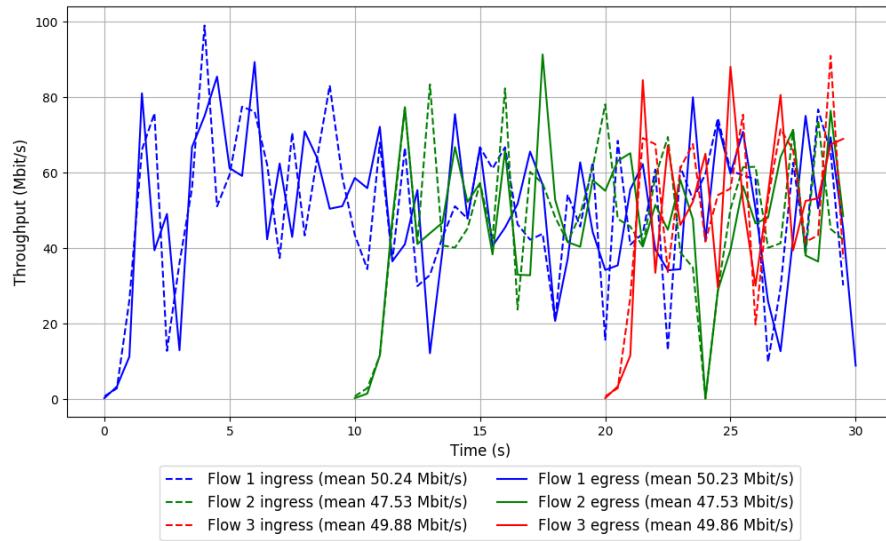
Run 10: Statistics of TCP BBR

Start at: 2017-10-12 07:44:49

End at: 2017-10-12 07:45:19

```
# Below is generated by plot.py at 2017-10-12 08:50:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 98.04 Mbit/s
95th percentile per-packet one-way delay: 123.835 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 123.001 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.53 Mbit/s
95th percentile per-packet one-way delay: 124.616 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 126.772 ms
Loss rate: 0.00%
```

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

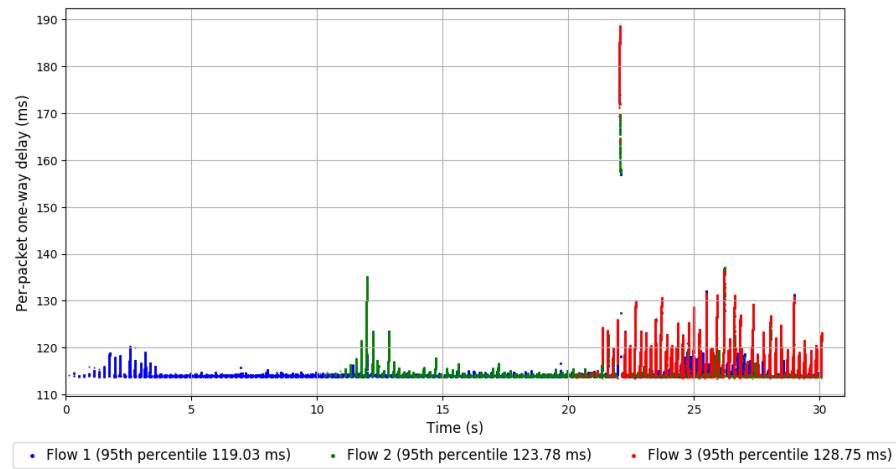
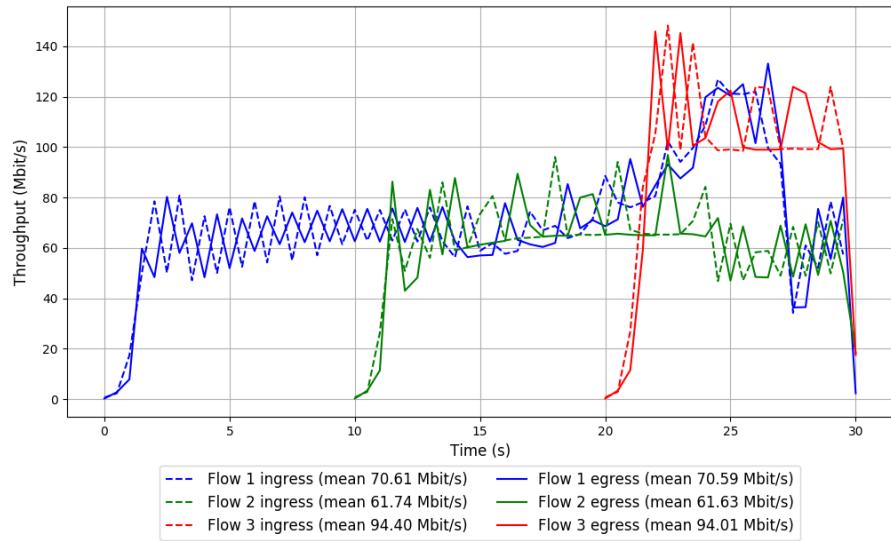


```
Run 1: Statistics of TCP Cubic

Start at: 2017-10-12 05:48:53
End at: 2017-10-12 05:49:23

# Below is generated by plot.py at 2017-10-12 08:50:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 142.81 Mbit/s
95th percentile per-packet one-way delay: 124.041 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 70.59 Mbit/s
95th percentile per-packet one-way delay: 119.029 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.63 Mbit/s
95th percentile per-packet one-way delay: 123.778 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 128.750 ms
Loss rate: 0.39%
```

Run 1: Report of TCP Cubic — Data Link



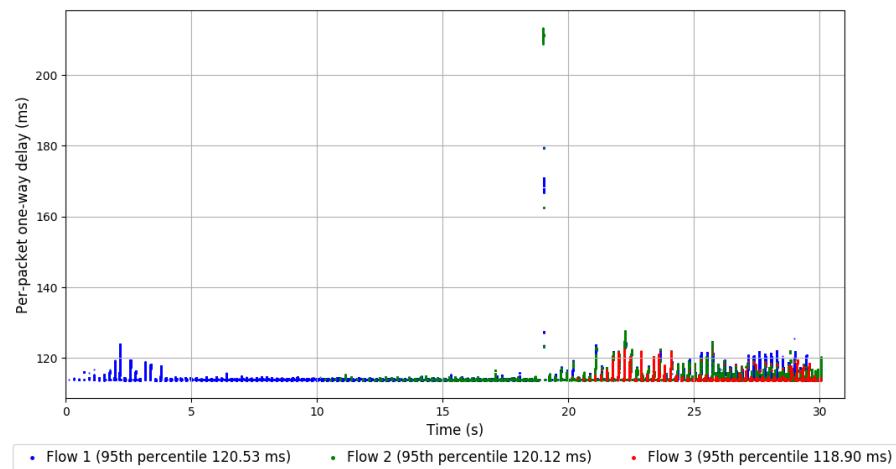
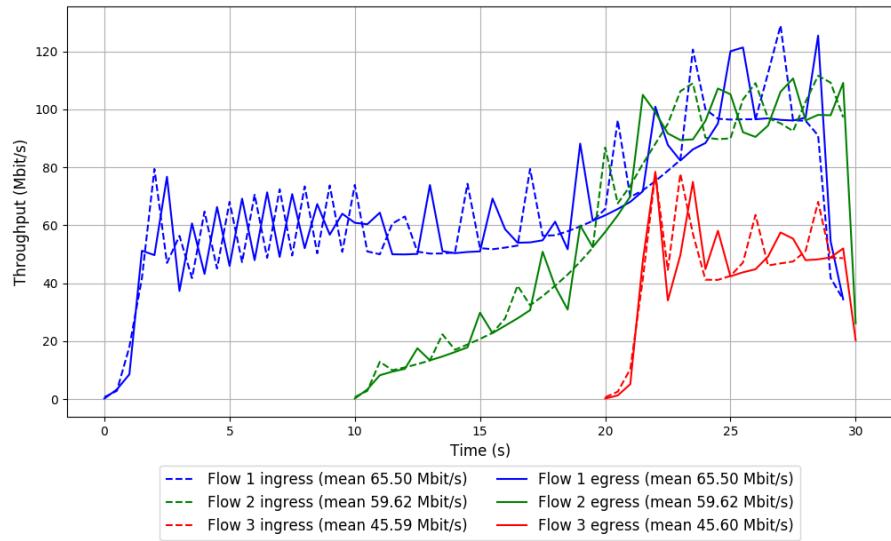
Run 2: Statistics of TCP Cubic

Start at: 2017-10-12 06:02:26

End at: 2017-10-12 06:02:56

```
# Below is generated by plot.py at 2017-10-12 08:50:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 120.02 Mbit/s
95th percentile per-packet one-way delay: 120.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.50 Mbit/s
95th percentile per-packet one-way delay: 120.532 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 120.124 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.60 Mbit/s
95th percentile per-packet one-way delay: 118.897 ms
Loss rate: 0.00%
```

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



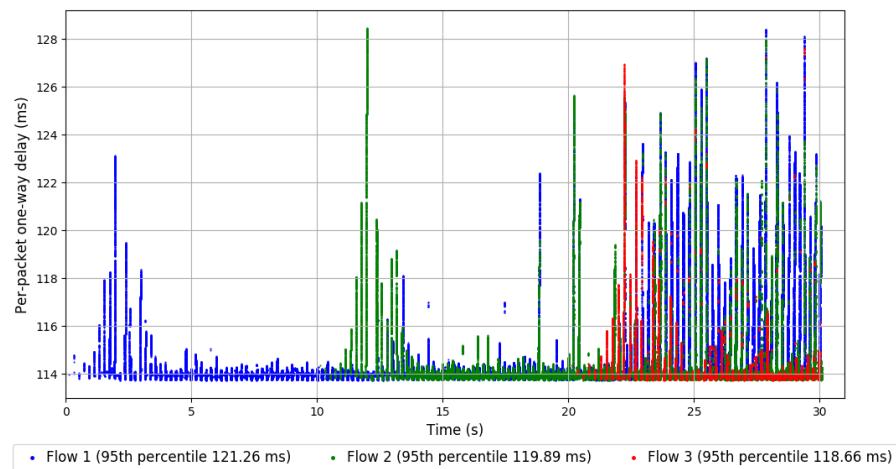
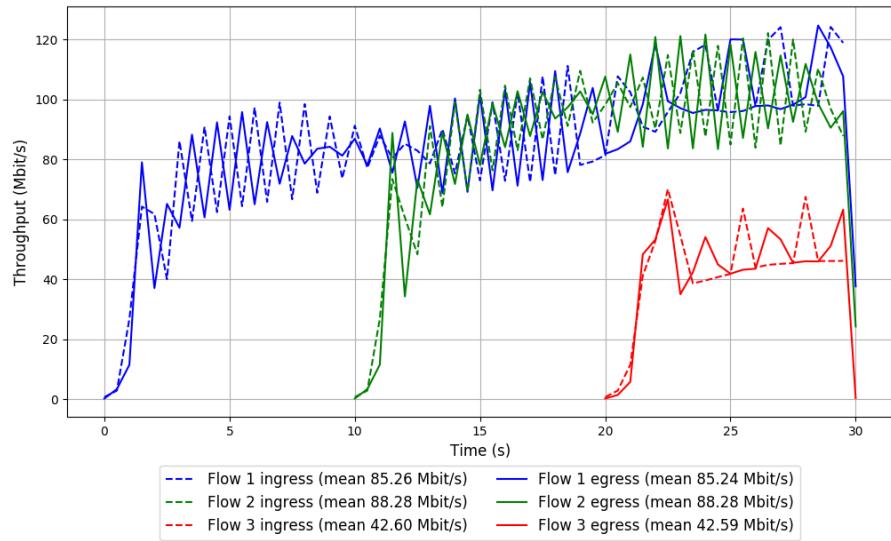
```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2017-10-12 06:15:48
```

```
End at: 2017-10-12 06:16:18
```

```
# Below is generated by plot.py at 2017-10-12 08:51:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 158.00 Mbit/s
95th percentile per-packet one-way delay: 120.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.24 Mbit/s
95th percentile per-packet one-way delay: 121.260 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 119.885 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.59 Mbit/s
95th percentile per-packet one-way delay: 118.662 ms
Loss rate: 0.00%
```

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



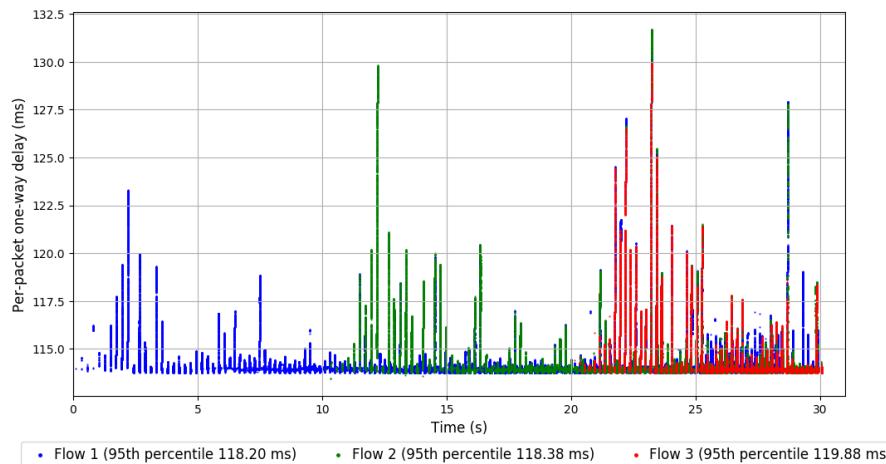
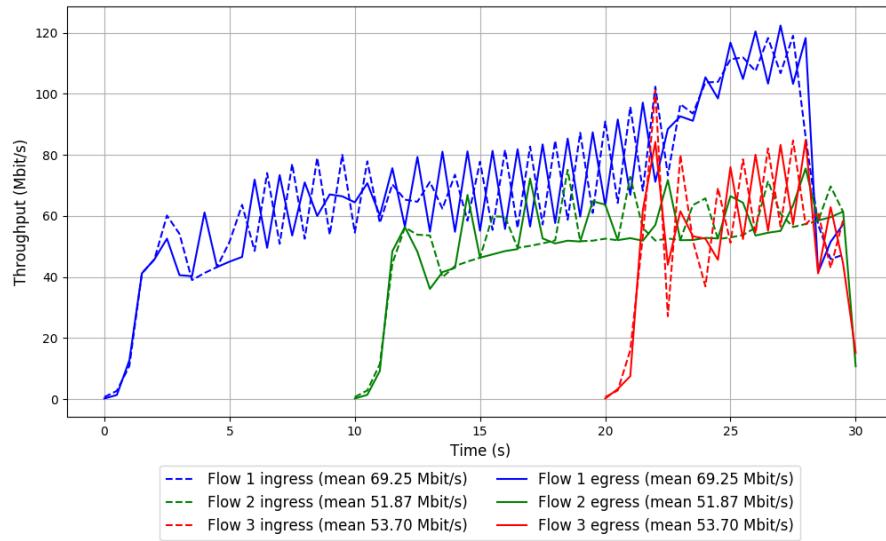
Run 4: Statistics of TCP Cubic

Start at: 2017-10-12 06:29:21

End at: 2017-10-12 06:29:51

```
# Below is generated by plot.py at 2017-10-12 08:51:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.32 Mbit/s
95th percentile per-packet one-way delay: 118.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.25 Mbit/s
95th percentile per-packet one-way delay: 118.202 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.87 Mbit/s
95th percentile per-packet one-way delay: 118.378 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.70 Mbit/s
95th percentile per-packet one-way delay: 119.883 ms
Loss rate: 0.00%
```

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



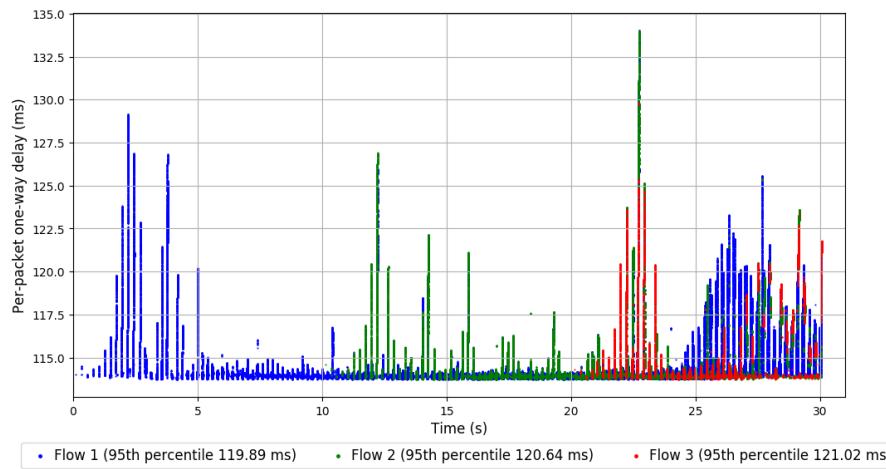
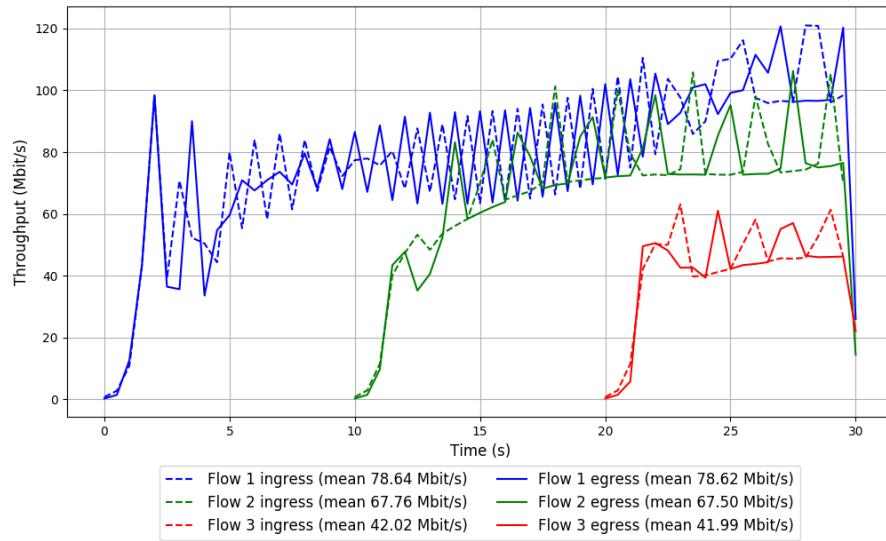
```
Run 5: Statistics of TCP Cubic
```

```
Start at: 2017-10-12 06:42:44
```

```
End at: 2017-10-12 06:43:14
```

```
# Below is generated by plot.py at 2017-10-12 08:51:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 137.42 Mbit/s
95th percentile per-packet one-way delay: 120.337 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 78.62 Mbit/s
95th percentile per-packet one-way delay: 119.890 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.50 Mbit/s
95th percentile per-packet one-way delay: 120.640 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 41.99 Mbit/s
95th percentile per-packet one-way delay: 121.024 ms
Loss rate: 0.00%
```

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



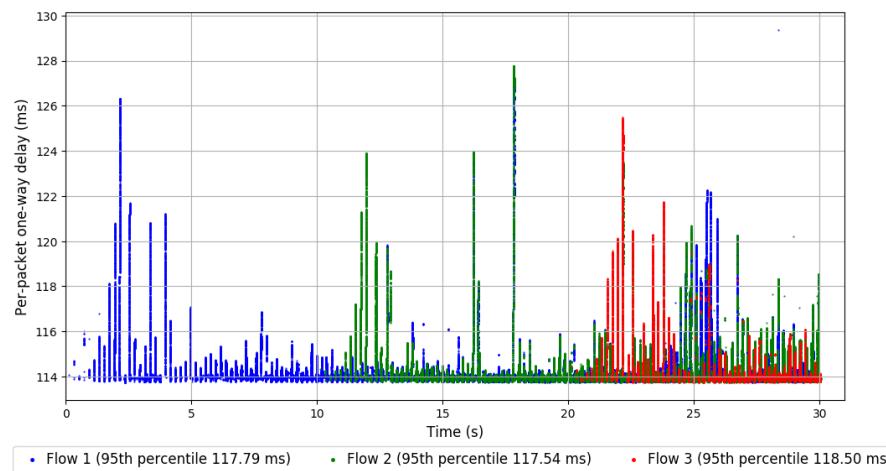
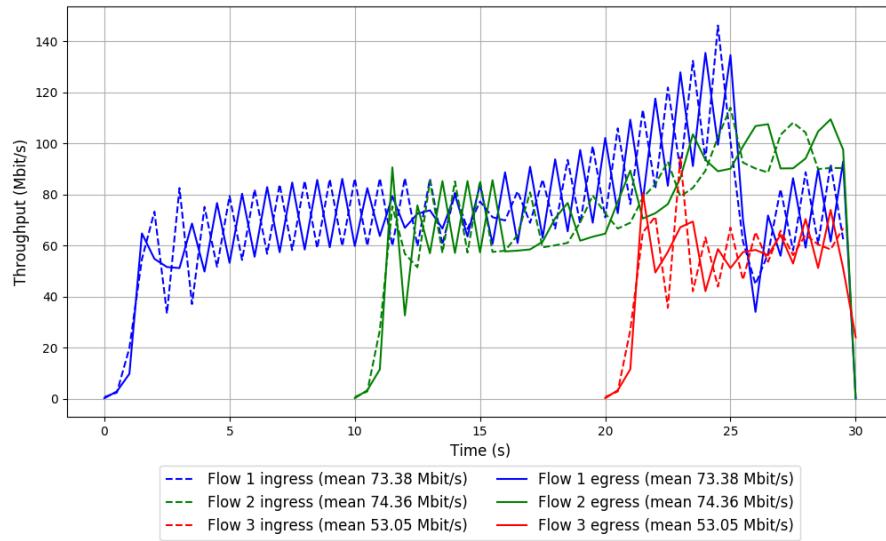
Run 6: Statistics of TCP Cubic

Start at: 2017-10-12 06:56:11

End at: 2017-10-12 06:56:41

```
# Below is generated by plot.py at 2017-10-12 08:51:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 140.38 Mbit/s
95th percentile per-packet one-way delay: 117.795 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.38 Mbit/s
95th percentile per-packet one-way delay: 117.791 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 74.36 Mbit/s
95th percentile per-packet one-way delay: 117.540 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.05 Mbit/s
95th percentile per-packet one-way delay: 118.497 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Cubic — Data Link



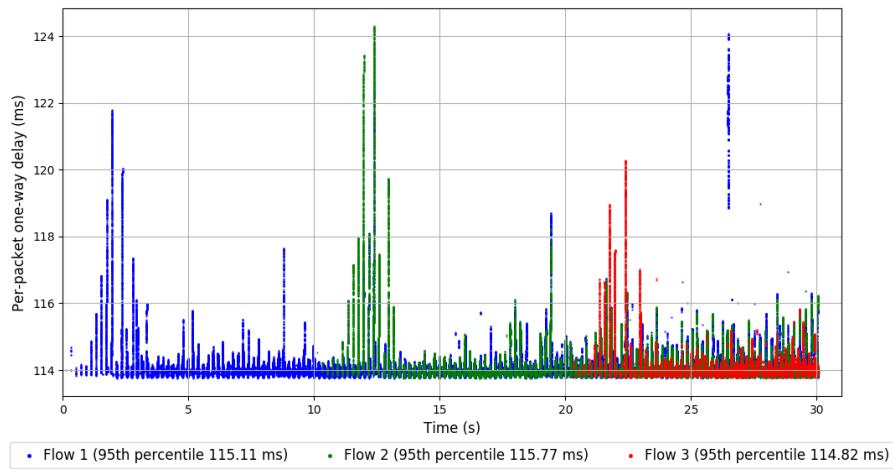
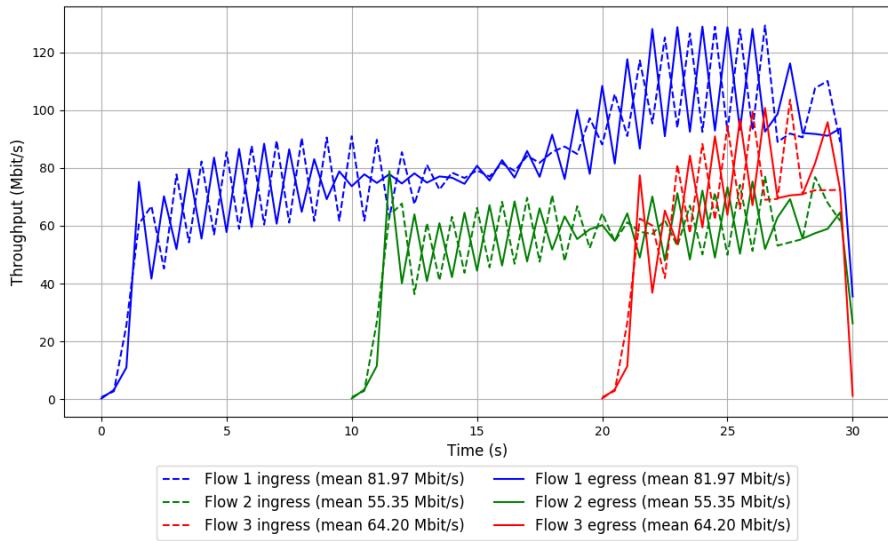
Run 7: Statistics of TCP Cubic

Start at: 2017-10-12 07:09:40

End at: 2017-10-12 07:10:10

```
# Below is generated by plot.py at 2017-10-12 08:52:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 140.03 Mbit/s
95th percentile per-packet one-way delay: 115.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.97 Mbit/s
95th percentile per-packet one-way delay: 115.109 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.35 Mbit/s
95th percentile per-packet one-way delay: 115.770 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.20 Mbit/s
95th percentile per-packet one-way delay: 114.824 ms
Loss rate: 0.00%
```

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



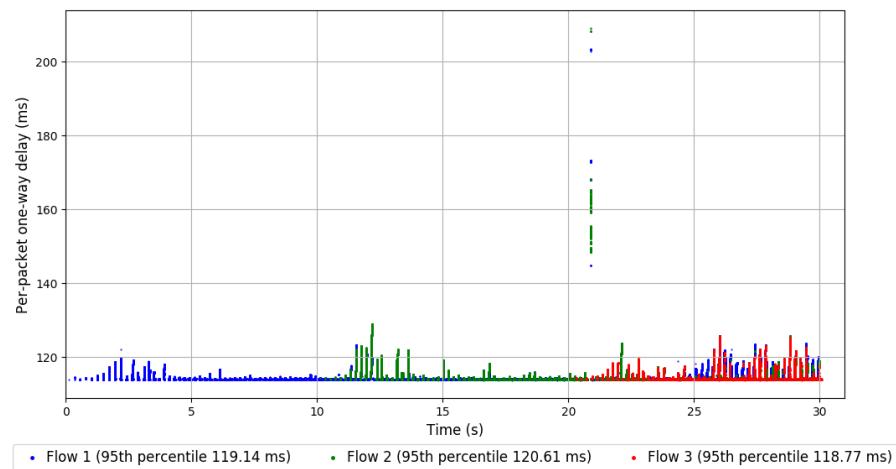
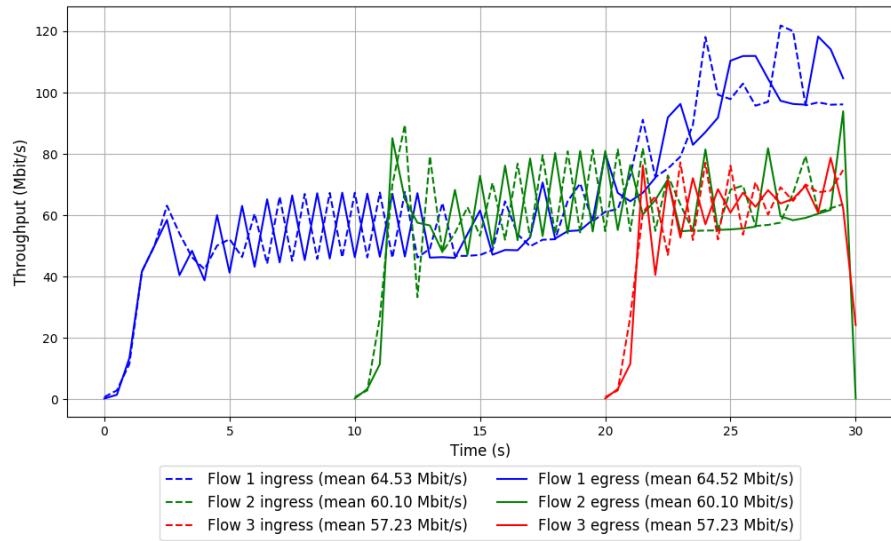
Run 8: Statistics of TCP Cubic

Start at: 2017-10-12 07:22:54

End at: 2017-10-12 07:23:24

```
# Below is generated by plot.py at 2017-10-12 08:52:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.23 Mbit/s
95th percentile per-packet one-way delay: 119.390 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.52 Mbit/s
95th percentile per-packet one-way delay: 119.138 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.10 Mbit/s
95th percentile per-packet one-way delay: 120.614 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 118.774 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Cubic — Data Link



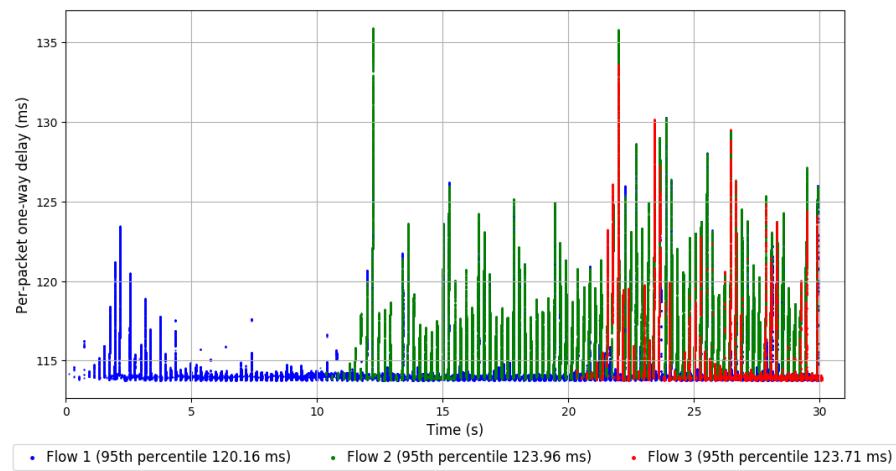
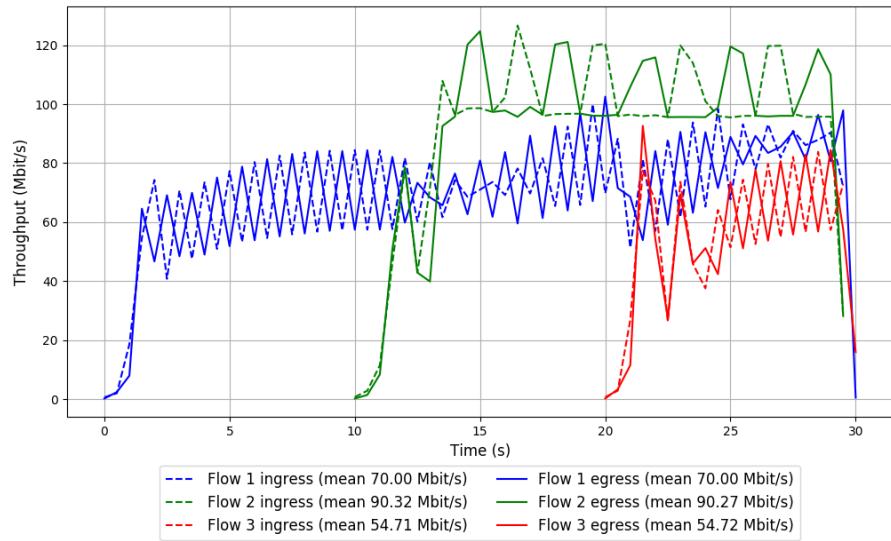
Run 9: Statistics of TCP Cubic

Start at: 2017-10-12 07:36:30

End at: 2017-10-12 07:37:00

```
# Below is generated by plot.py at 2017-10-12 08:53:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 147.75 Mbit/s
95th percentile per-packet one-way delay: 122.805 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.00 Mbit/s
95th percentile per-packet one-way delay: 120.158 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 90.27 Mbit/s
95th percentile per-packet one-way delay: 123.962 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.72 Mbit/s
95th percentile per-packet one-way delay: 123.714 ms
Loss rate: 0.00%
```

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



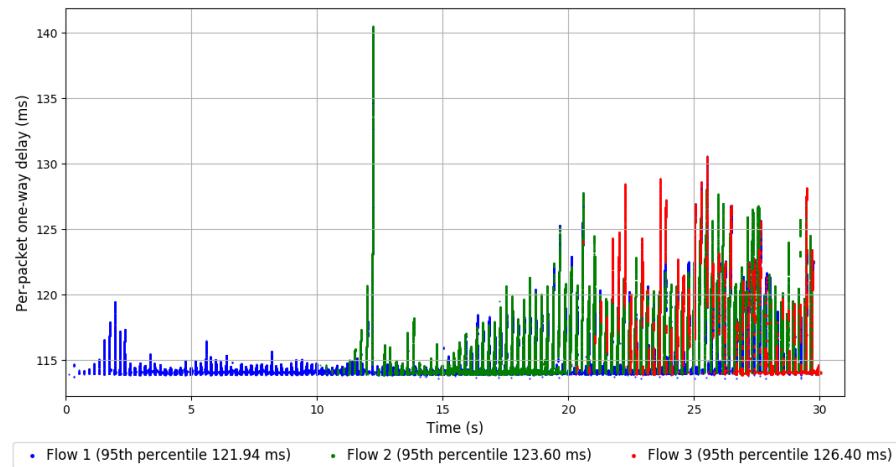
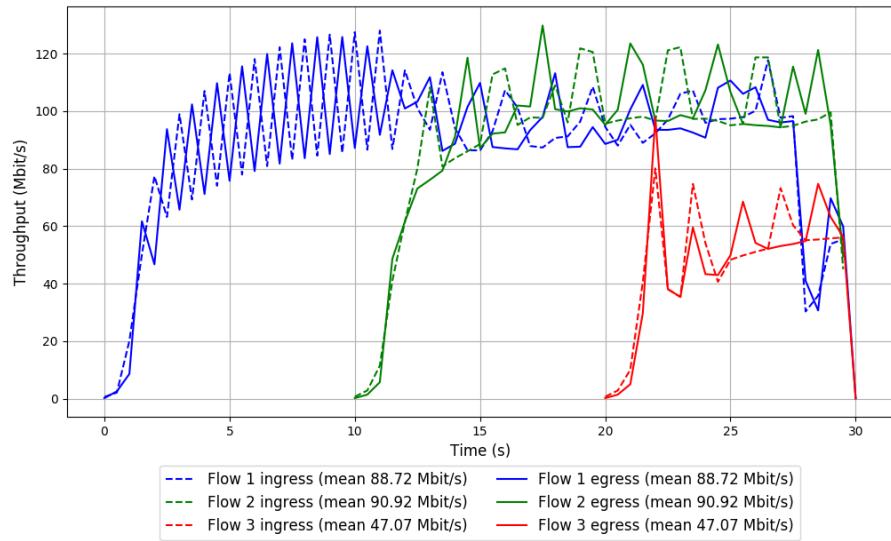
Run 10: Statistics of TCP Cubic

Start at: 2017-10-12 07:50:04

End at: 2017-10-12 07:50:34

```
# Below is generated by plot.py at 2017-10-12 08:53:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 164.11 Mbit/s
95th percentile per-packet one-way delay: 123.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: 121.938 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 123.603 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.07 Mbit/s
95th percentile per-packet one-way delay: 126.403 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Cubic — Data Link



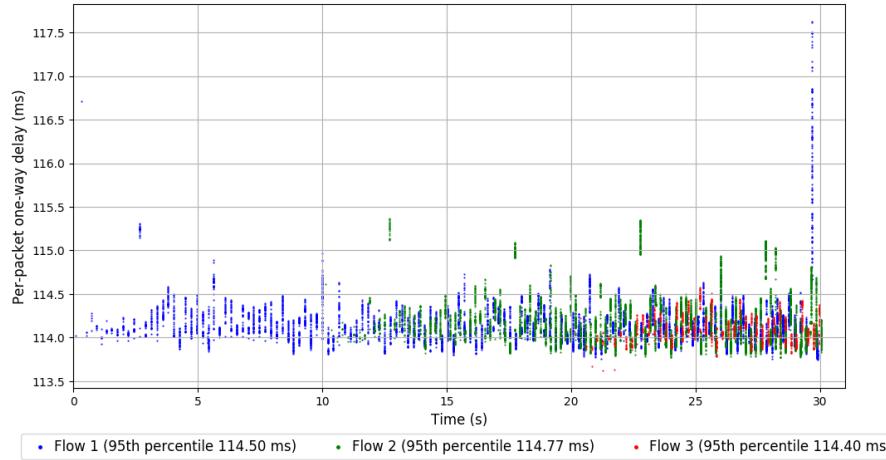
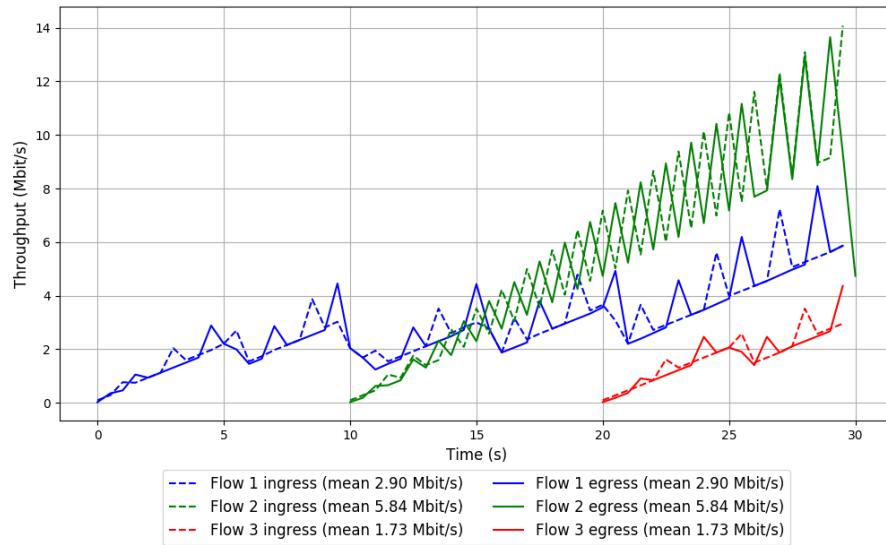
```
Run 1: Statistics of LEDBAT
```

```
Start at: 2017-10-12 05:52:36
```

```
End at: 2017-10-12 05:53:06
```

```
# Below is generated by plot.py at 2017-10-12 08:53:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 114.612 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 114.501 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 114.771 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 114.397 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



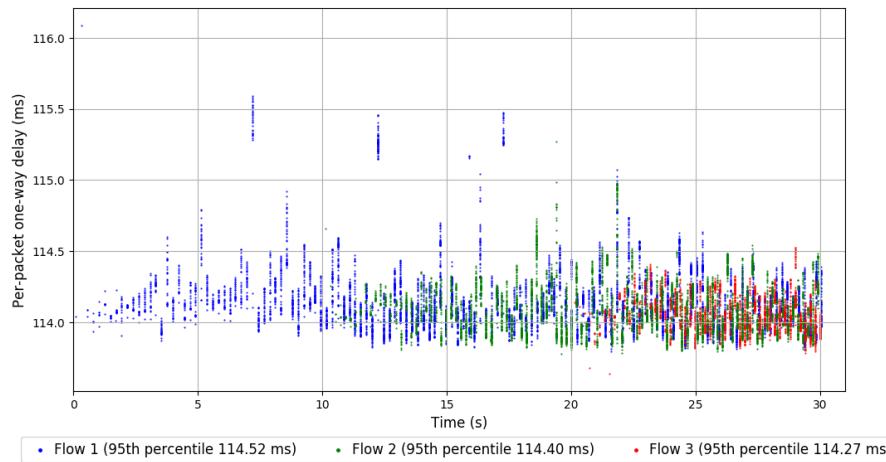
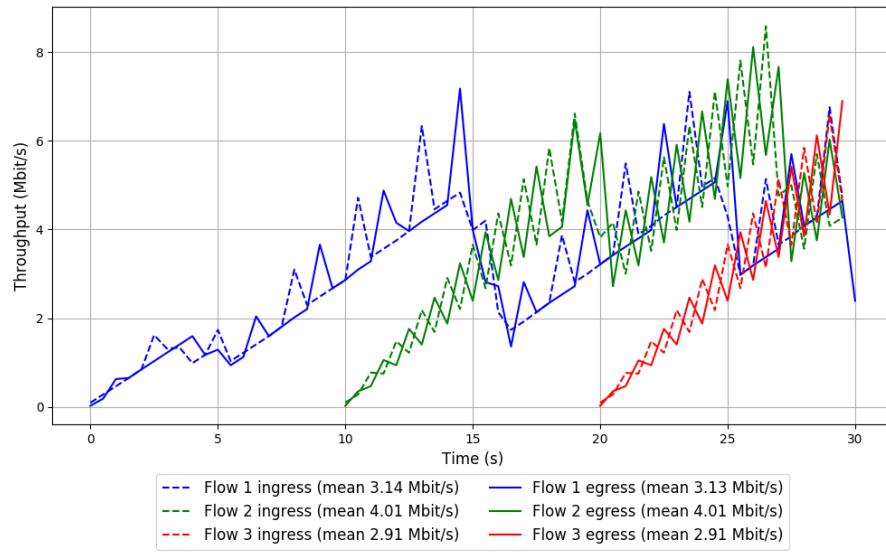
Run 2: Statistics of LEDBAT

Start at: 2017-10-12 06:06:07

End at: 2017-10-12 06:06:37

```
# Below is generated by plot.py at 2017-10-12 08:53:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 114.437 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 114.524 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 114.403 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 114.268 ms
Loss rate: 0.00%
```

## Run 2: Report of LEDBAT — Data Link



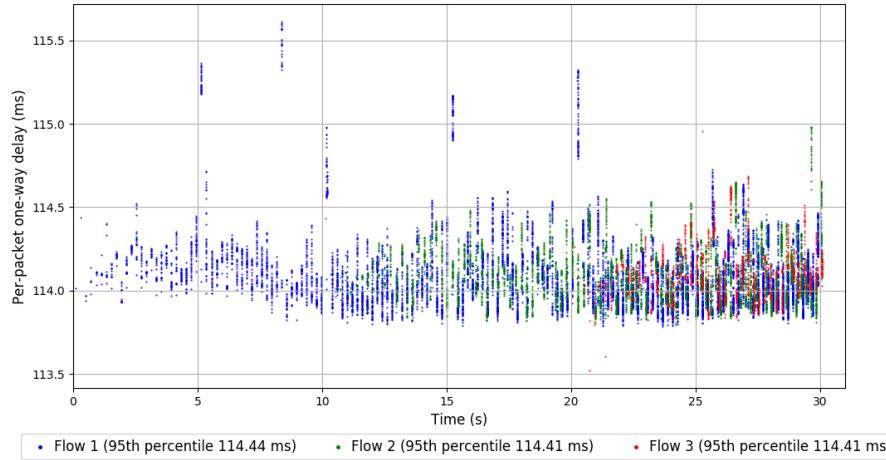
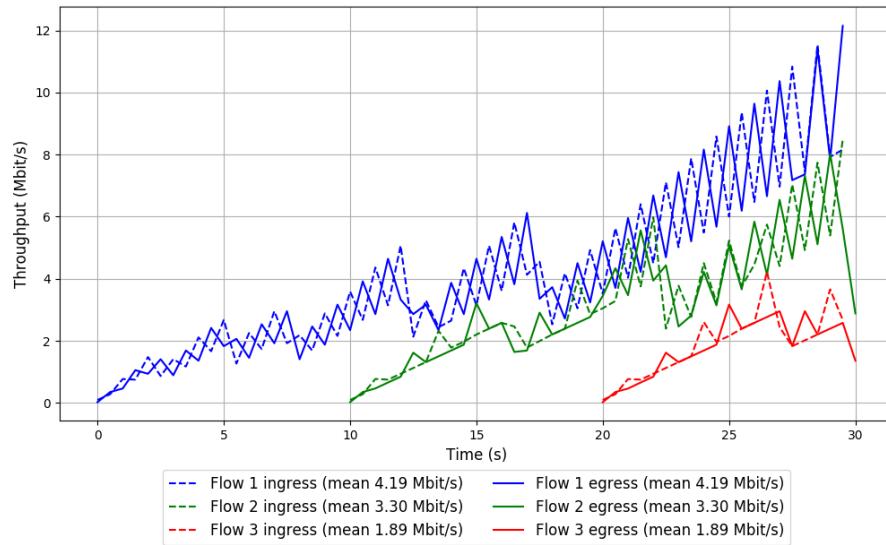
```
Run 3: Statistics of LEDBAT
```

```
Start at: 2017-10-12 06:19:36
```

```
End at: 2017-10-12 06:20:06
```

```
# Below is generated by plot.py at 2017-10-12 08:53:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 114.419 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 114.437 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 114.407 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 114.411 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link



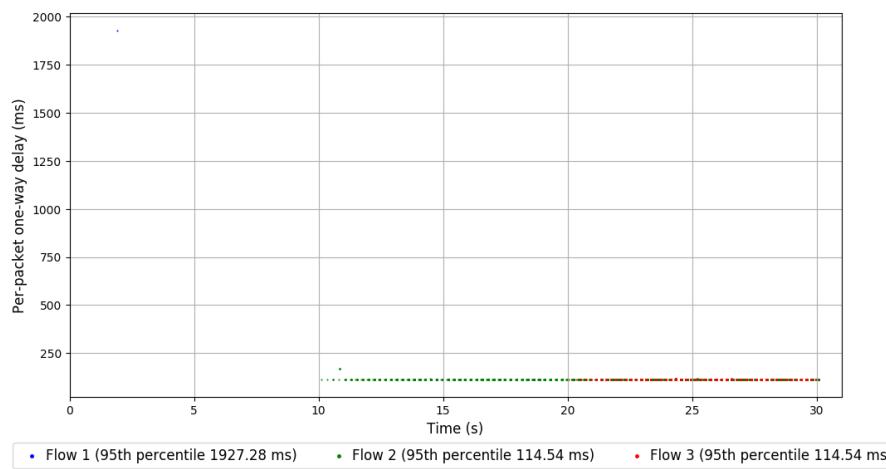
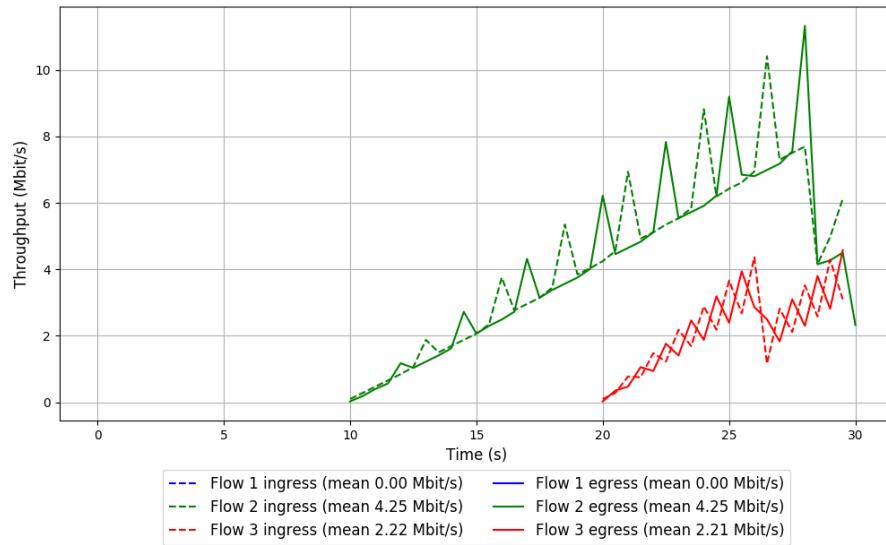
Run 4: Statistics of LEDBAT

Start at: 2017-10-12 06:33:04

End at: 2017-10-12 06:33:34

```
# Below is generated by plot.py at 2017-10-12 08:53:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 114.542 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1927.279 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 114.540 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 114.544 ms
Loss rate: 0.37%
```

Run 4: Report of LEDBAT — Data Link



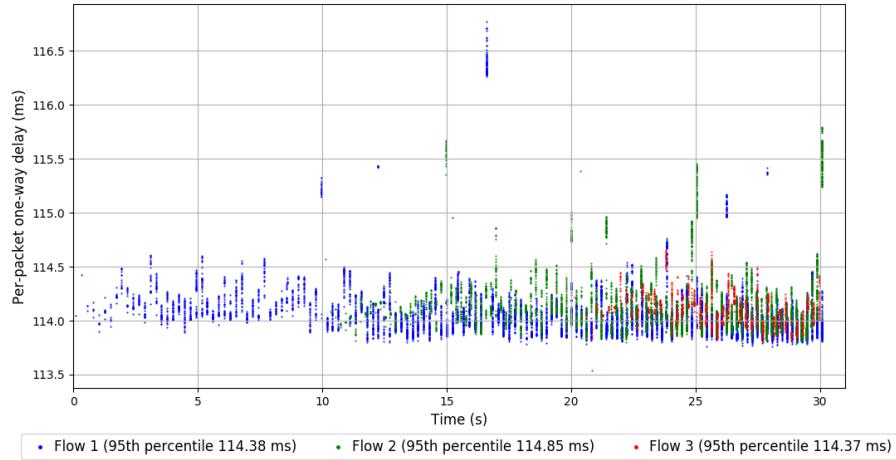
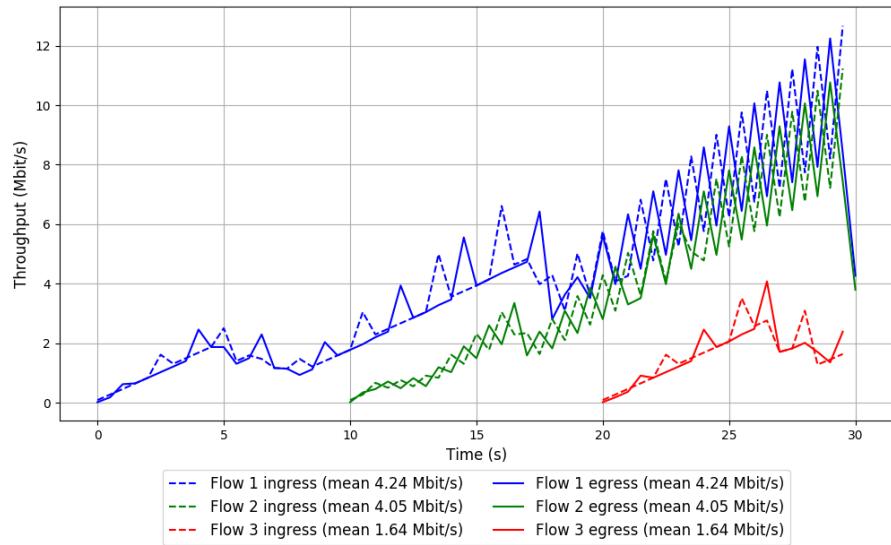
Run 5: Statistics of LEDBAT

Start at: 2017-10-12 06:46:29

End at: 2017-10-12 06:46:59

```
# Below is generated by plot.py at 2017-10-12 08:53:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 114.492 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 114.384 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 114.854 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 114.374 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link



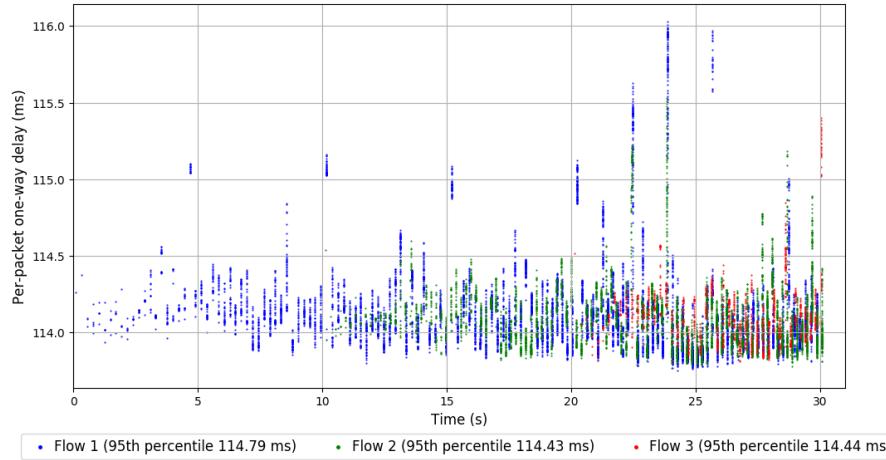
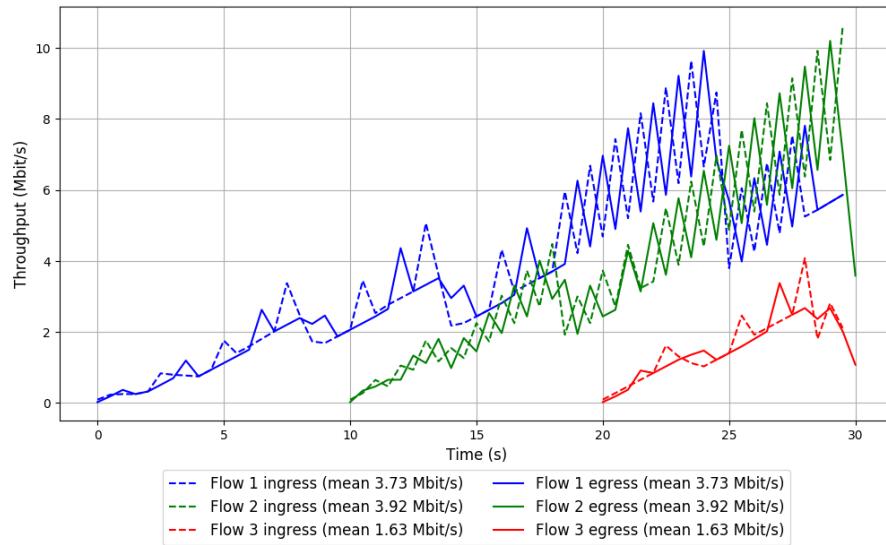
```
Run 6: Statistics of LEDBAT
```

```
Start at: 2017-10-12 06:59:59
```

```
End at: 2017-10-12 07:00:29
```

```
# Below is generated by plot.py at 2017-10-12 08:53:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 114.558 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 114.794 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 114.427 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 114.438 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

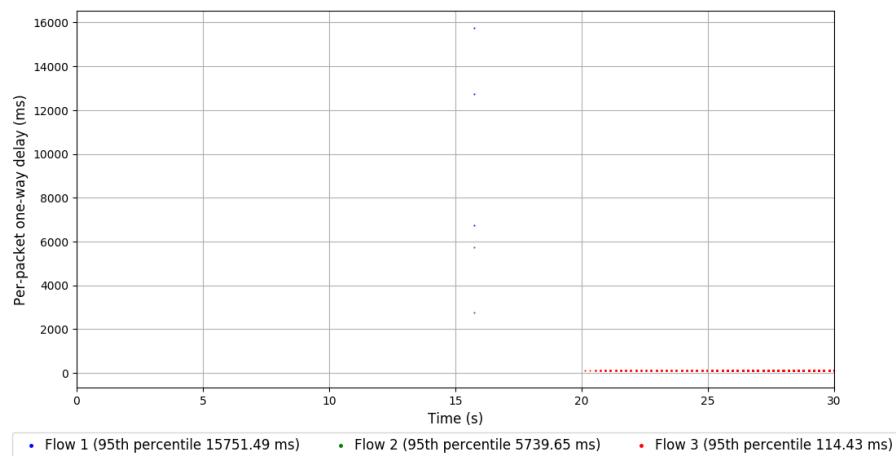
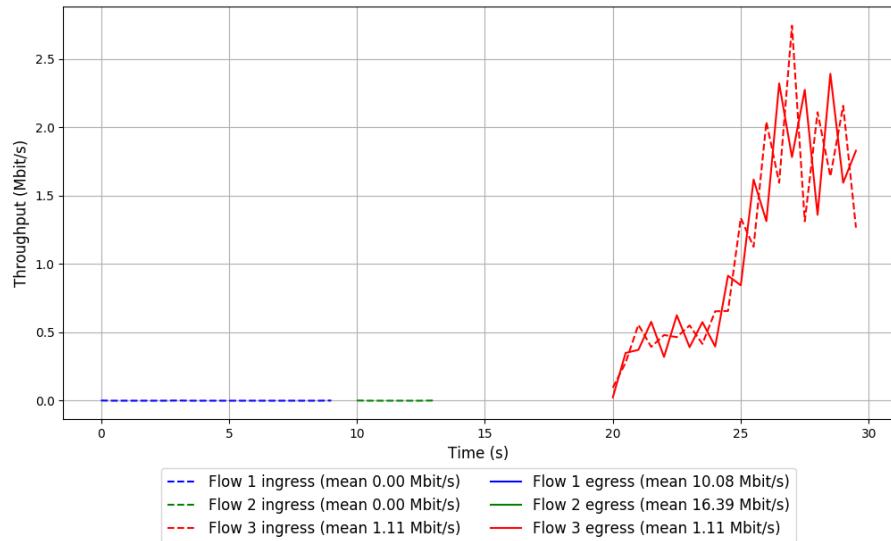


Run 7: Statistics of LEDBAT

Start at: 2017-10-12 07:13:09

End at: 2017-10-12 07:13:39

## Run 7: Report of LEDBAT — Data Link



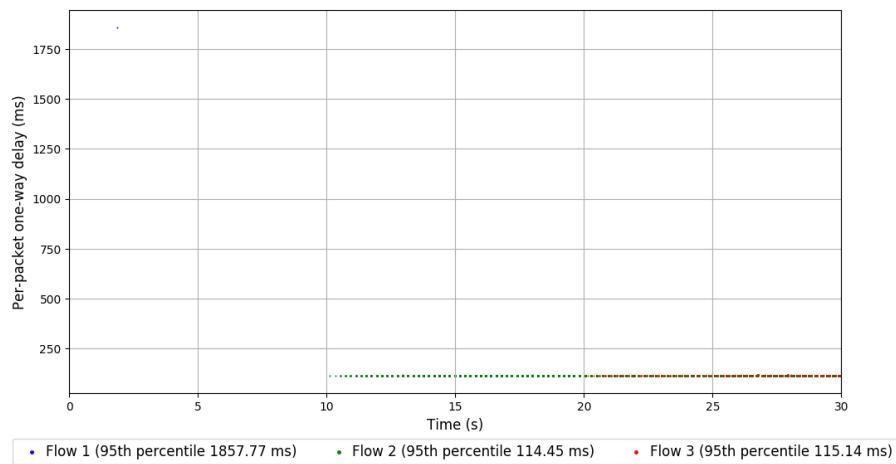
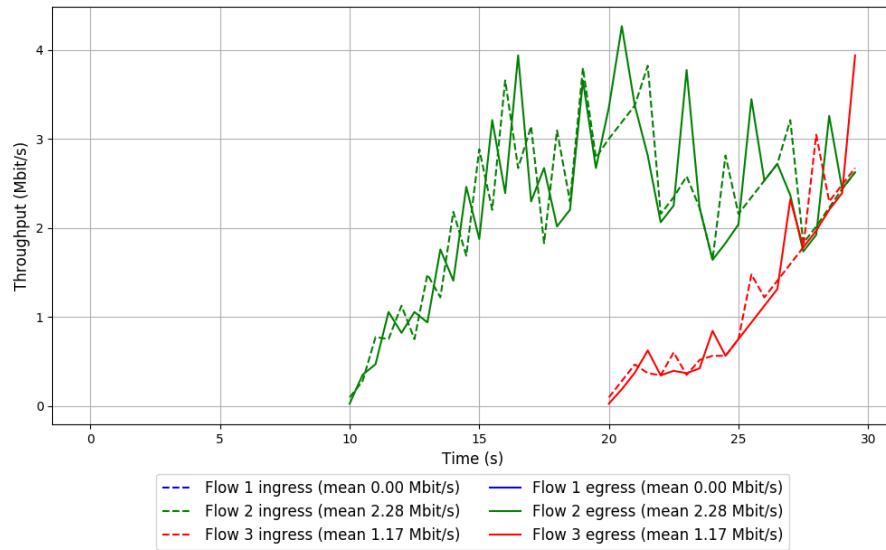
Run 8: Statistics of LEDBAT

Start at: 2017-10-12 07:26:38

End at: 2017-10-12 07:27:08

```
# Below is generated by plot.py at 2017-10-12 08:53:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 114.471 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1857.766 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 114.450 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 115.135 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

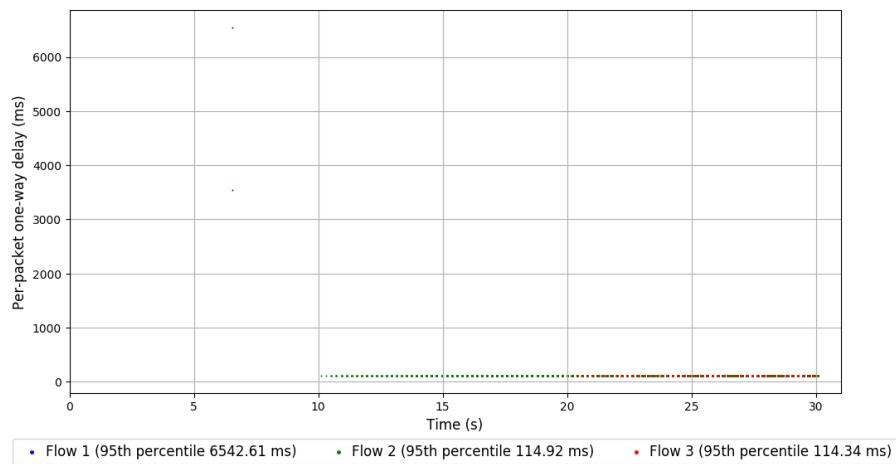
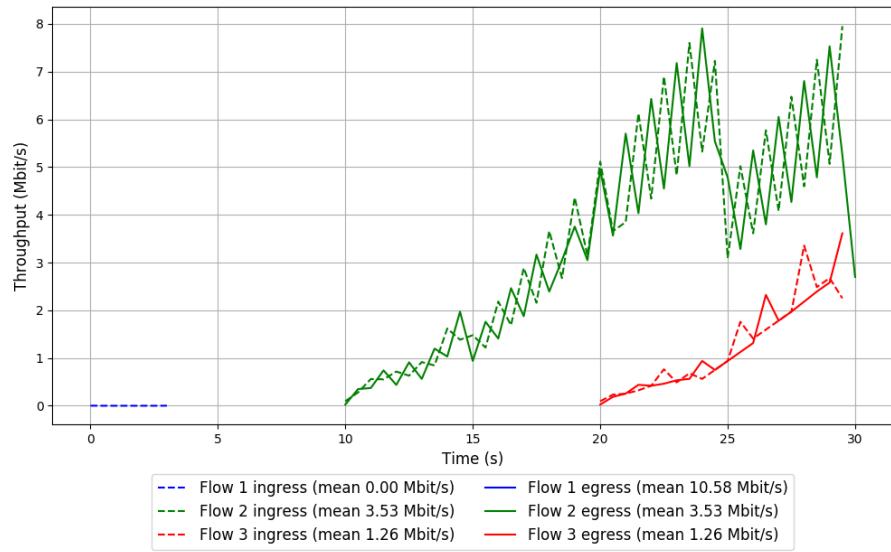


Run 9: Statistics of LEDBAT

Start at: 2017-10-12 07:40:06

End at: 2017-10-12 07:40:36

Run 9: Report of LEDBAT — Data Link



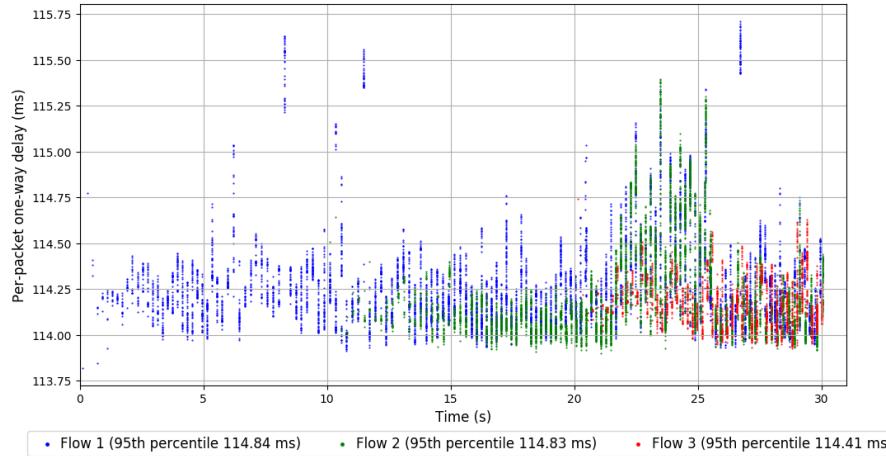
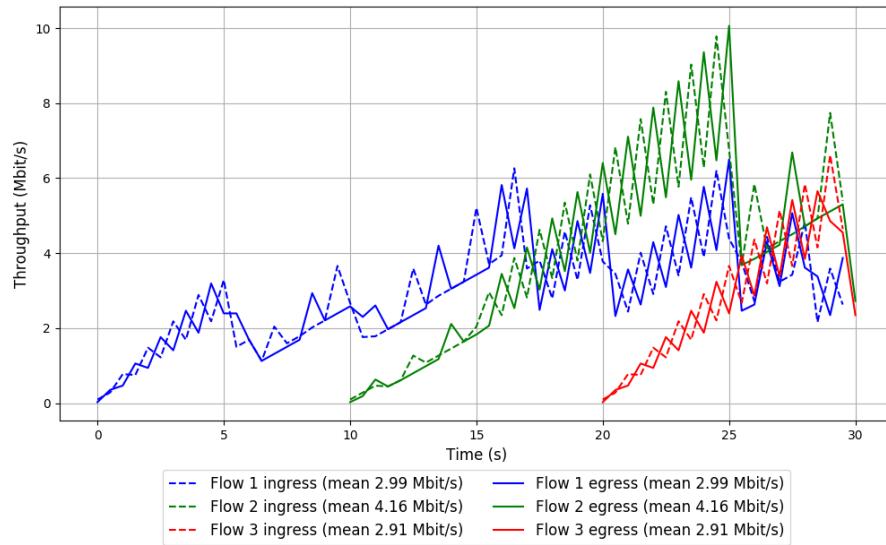
Run 10: Statistics of LEDBAT

Start at: 2017-10-12 07:53:52

End at: 2017-10-12 07:54:22

```
# Below is generated by plot.py at 2017-10-12 08:53:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.71 Mbit/s
95th percentile per-packet one-way delay: 114.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 114.838 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 114.828 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 114.406 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

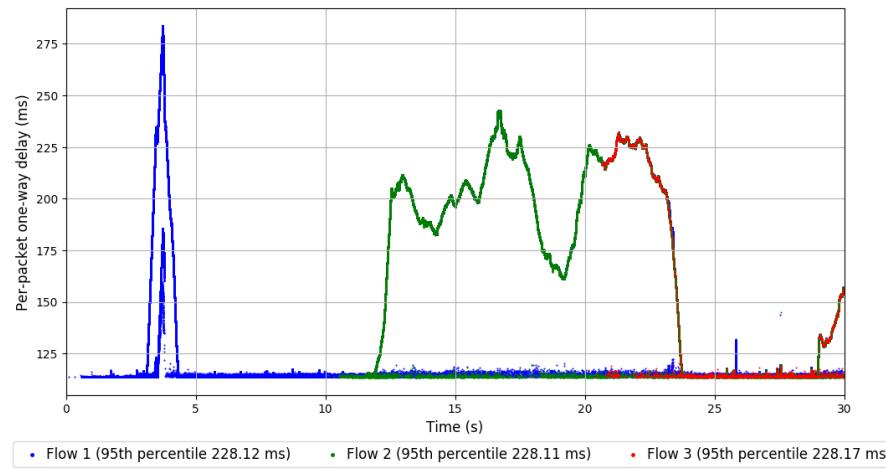
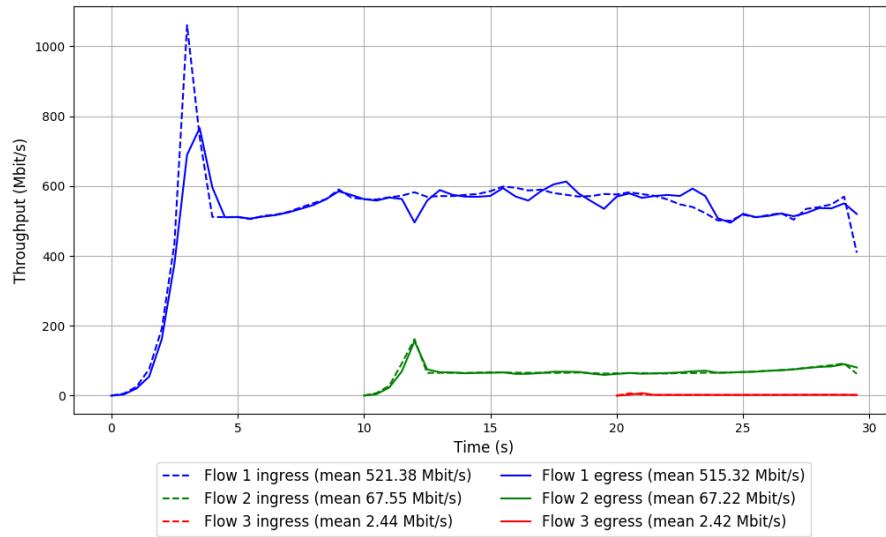


```
Run 1: Statistics of PCC

Start at: 2017-10-12 05:46:09
End at: 2017-10-12 05:46:39

# Below is generated by plot.py at 2017-10-12 09:01:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 560.79 Mbit/s
95th percentile per-packet one-way delay: 228.120 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 515.32 Mbit/s
95th percentile per-packet one-way delay: 228.121 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 67.22 Mbit/s
95th percentile per-packet one-way delay: 228.108 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 228.173 ms
Loss rate: 0.50%
```

## Run 1: Report of PCC — Data Link



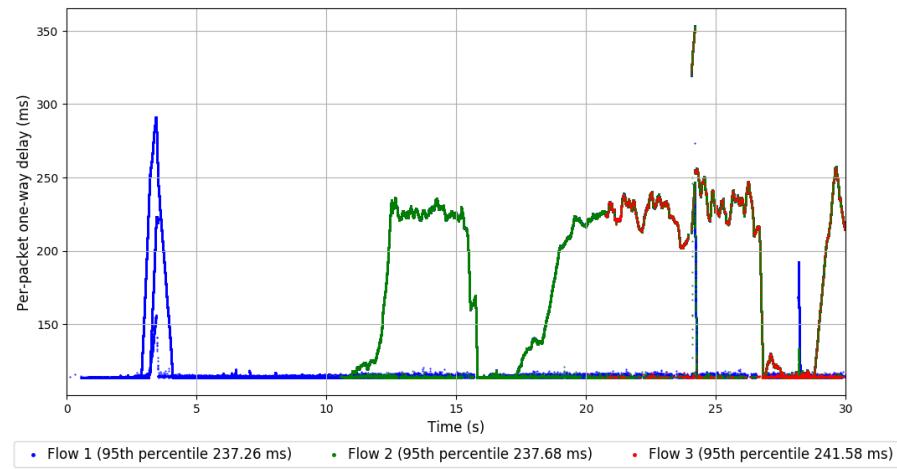
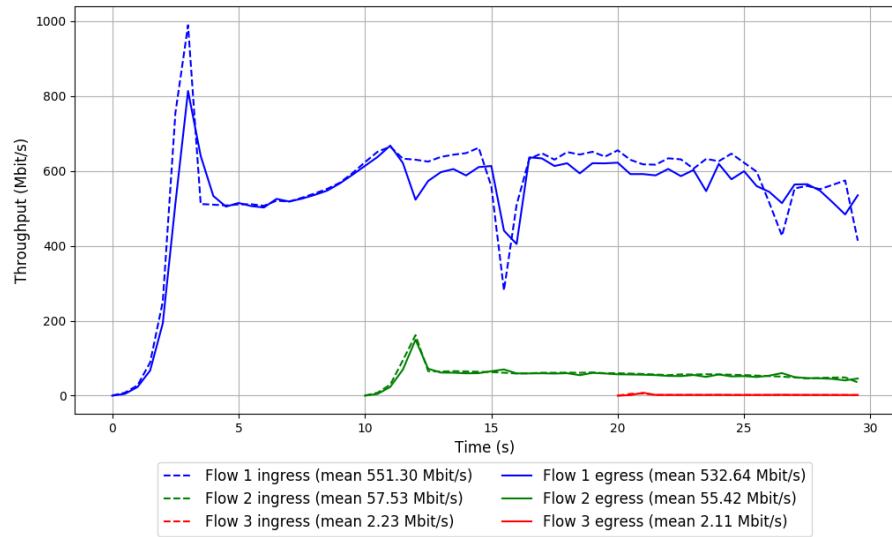
Run 2: Statistics of PCC

Start at: 2017-10-12 05:59:21

End at: 2017-10-12 05:59:51

```
# Below is generated by plot.py at 2017-10-12 09:01:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 570.15 Mbit/s
95th percentile per-packet one-way delay: 237.302 ms
Loss rate: 3.40%
-- Flow 1:
Average throughput: 532.64 Mbit/s
95th percentile per-packet one-way delay: 237.259 ms
Loss rate: 3.38%
-- Flow 2:
Average throughput: 55.42 Mbit/s
95th percentile per-packet one-way delay: 237.681 ms
Loss rate: 3.66%
-- Flow 3:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 241.577 ms
Loss rate: 5.49%
```

## Run 2: Report of PCC — Data Link



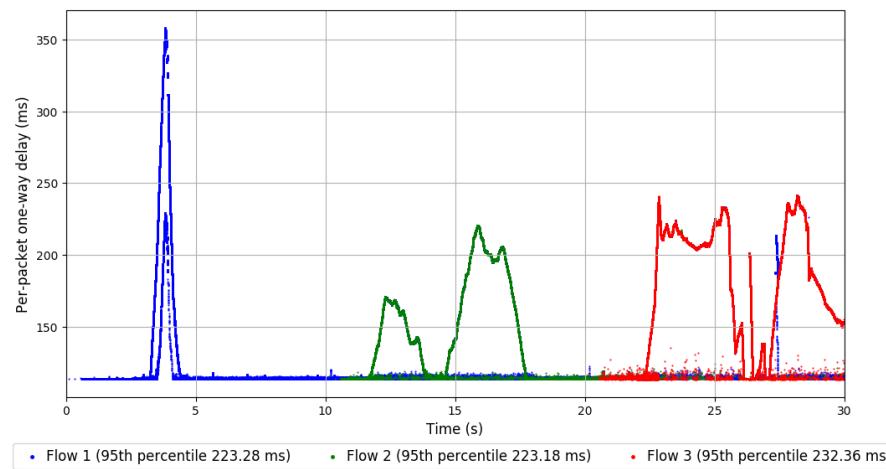
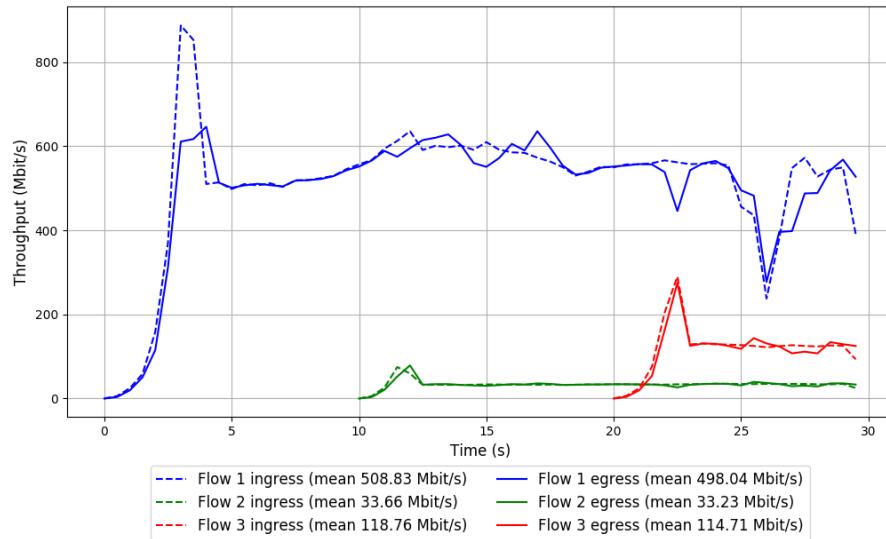
Run 3: Statistics of PCC

Start at: 2017-10-12 06:12:49

End at: 2017-10-12 06:13:19

```
# Below is generated by plot.py at 2017-10-12 09:01:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 557.87 Mbit/s
95th percentile per-packet one-way delay: 225.438 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 498.04 Mbit/s
95th percentile per-packet one-way delay: 223.281 ms
Loss rate: 2.12%
-- Flow 2:
Average throughput: 33.23 Mbit/s
95th percentile per-packet one-way delay: 223.175 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 114.71 Mbit/s
95th percentile per-packet one-way delay: 232.361 ms
Loss rate: 3.42%
```

### Run 3: Report of PCC — Data Link



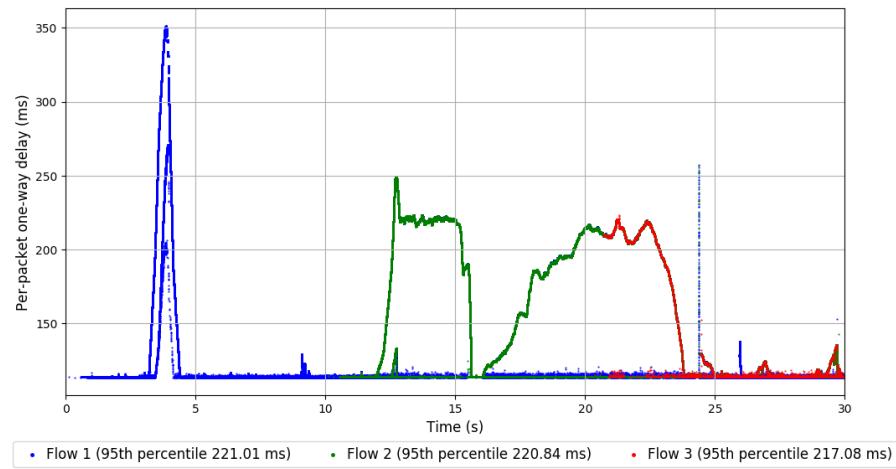
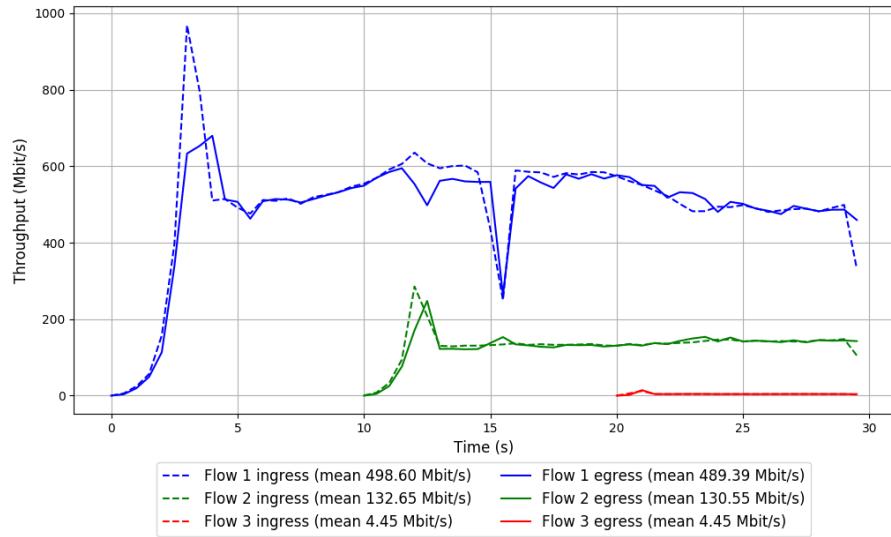
Run 4: Statistics of PCC

Start at: 2017-10-12 06:26:21

End at: 2017-10-12 06:26:51

```
# Below is generated by plot.py at 2017-10-12 09:01:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 577.65 Mbit/s
95th percentile per-packet one-way delay: 220.967 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 489.39 Mbit/s
95th percentile per-packet one-way delay: 221.012 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 130.55 Mbit/s
95th percentile per-packet one-way delay: 220.841 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 217.077 ms
Loss rate: 0.14%
```

## Run 4: Report of PCC — Data Link



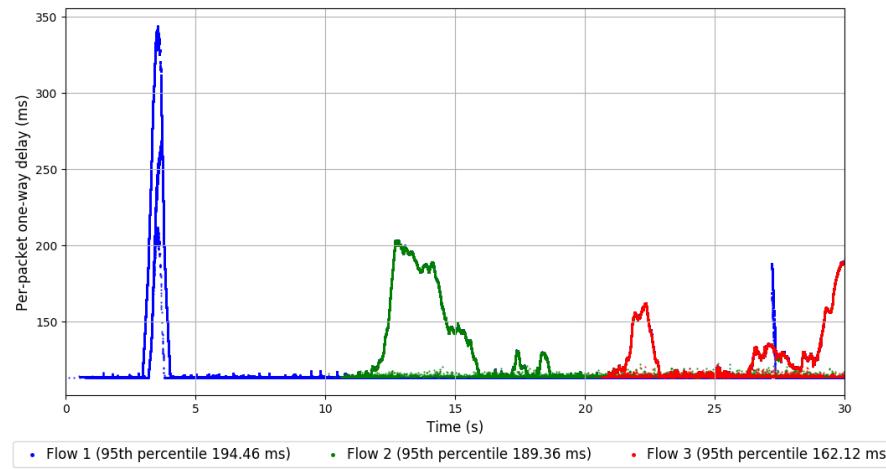
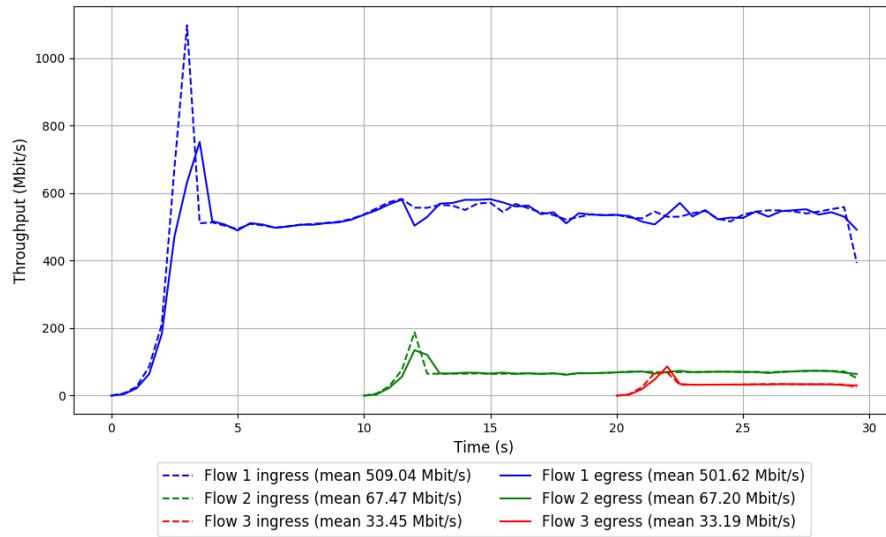
Run 5: Statistics of PCC

Start at: 2017-10-12 06:39:40

End at: 2017-10-12 06:40:10

```
# Below is generated by plot.py at 2017-10-12 09:02:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 557.14 Mbit/s
95th percentile per-packet one-way delay: 193.410 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 501.62 Mbit/s
95th percentile per-packet one-way delay: 194.464 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 67.20 Mbit/s
95th percentile per-packet one-way delay: 189.358 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 162.116 ms
Loss rate: 0.78%
```

Run 5: Report of PCC — Data Link



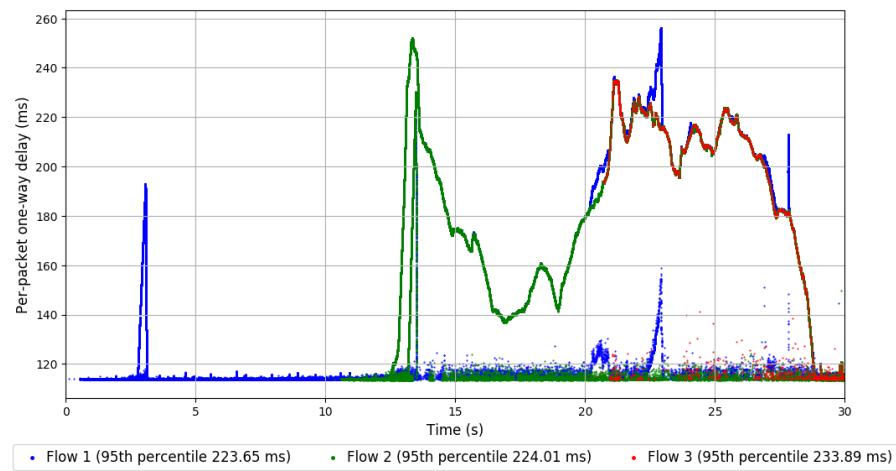
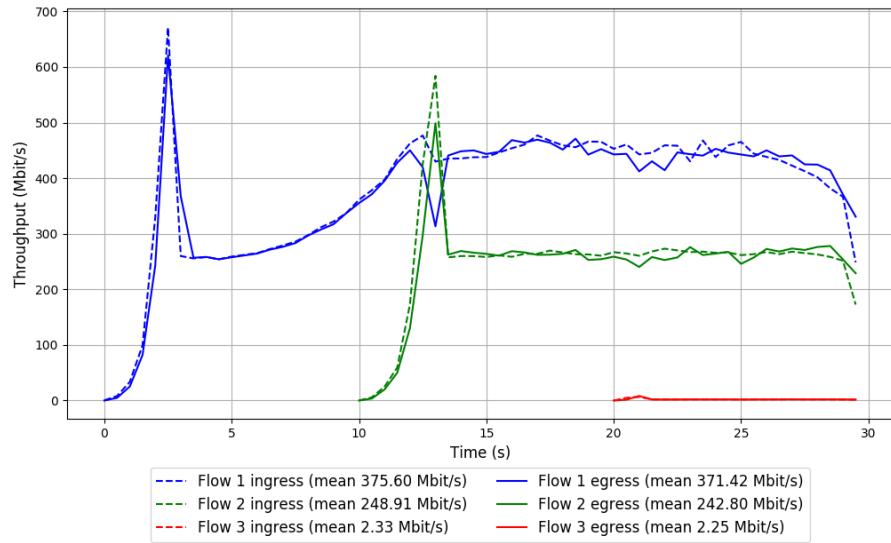
Run 6: Statistics of PCC

Start at: 2017-10-12 06:53:15

End at: 2017-10-12 06:53:45

```
# Below is generated by plot.py at 2017-10-12 09:02:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 533.58 Mbit/s
95th percentile per-packet one-way delay: 223.753 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 371.42 Mbit/s
95th percentile per-packet one-way delay: 223.645 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 242.80 Mbit/s
95th percentile per-packet one-way delay: 224.008 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 233.890 ms
Loss rate: 3.32%
```

## Run 6: Report of PCC — Data Link



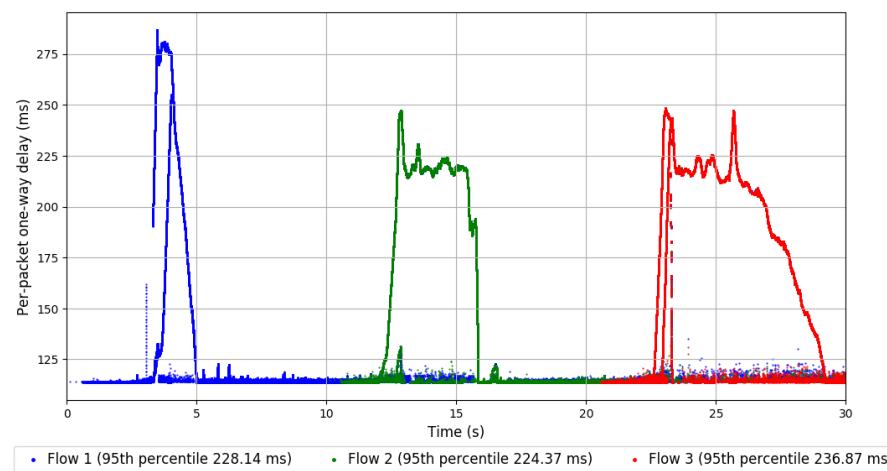
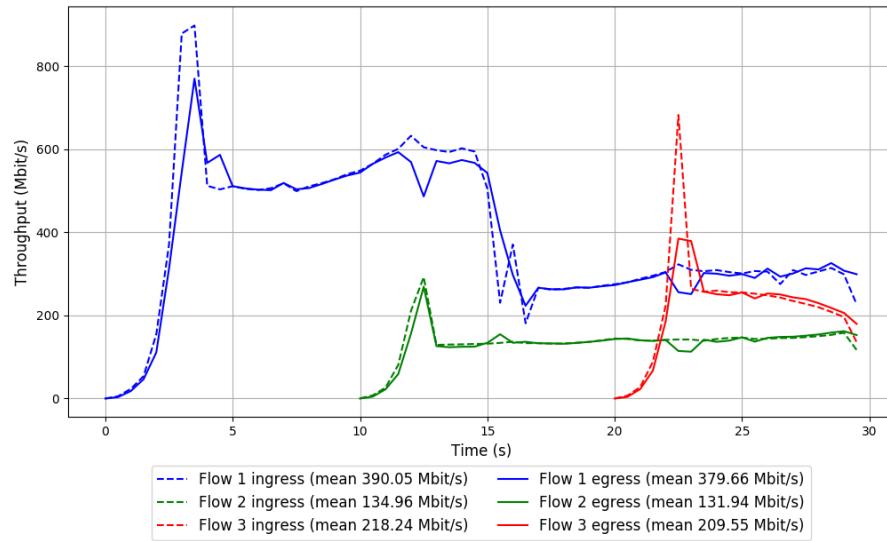
Run 7: Statistics of PCC

Start at: 2017-10-12 07:06:42

End at: 2017-10-12 07:07:12

```
# Below is generated by plot.py at 2017-10-12 09:02:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 536.33 Mbit/s
95th percentile per-packet one-way delay: 228.393 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 379.66 Mbit/s
95th percentile per-packet one-way delay: 228.141 ms
Loss rate: 2.66%
-- Flow 2:
Average throughput: 131.94 Mbit/s
95th percentile per-packet one-way delay: 224.367 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 209.55 Mbit/s
95th percentile per-packet one-way delay: 236.866 ms
Loss rate: 4.00%
```

## Run 7: Report of PCC — Data Link



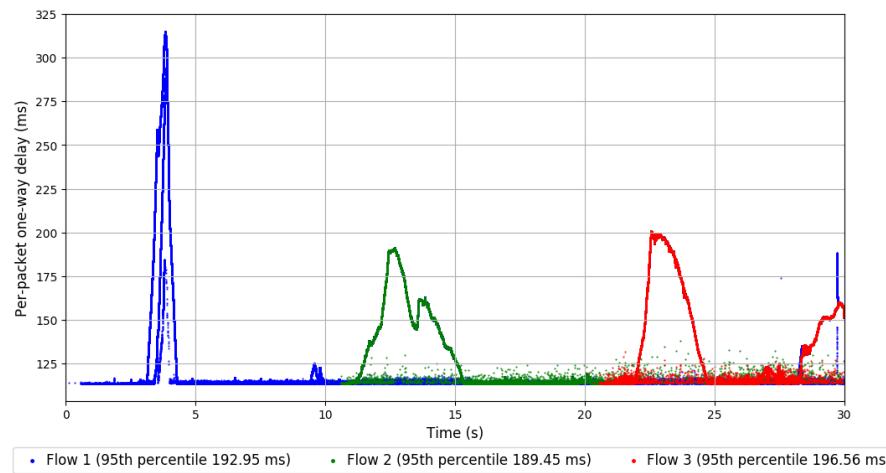
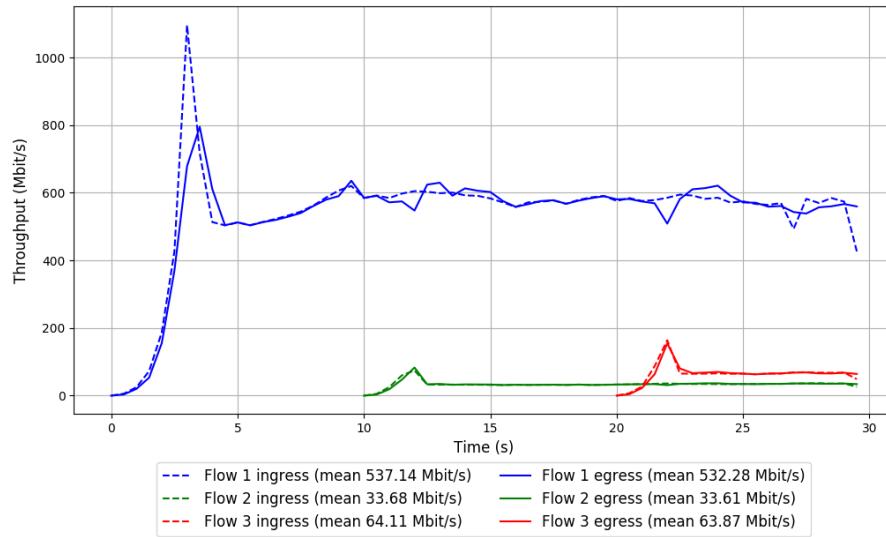
Run 8: Statistics of PCC

Start at: 2017-10-12 07:19:52

End at: 2017-10-12 07:20:22

```
# Below is generated by plot.py at 2017-10-12 09:04:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 575.65 Mbit/s
95th percentile per-packet one-way delay: 193.215 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 532.28 Mbit/s
95th percentile per-packet one-way delay: 192.948 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 33.61 Mbit/s
95th percentile per-packet one-way delay: 189.446 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 63.87 Mbit/s
95th percentile per-packet one-way delay: 196.564 ms
Loss rate: 0.42%
```

Run 8: Report of PCC — Data Link



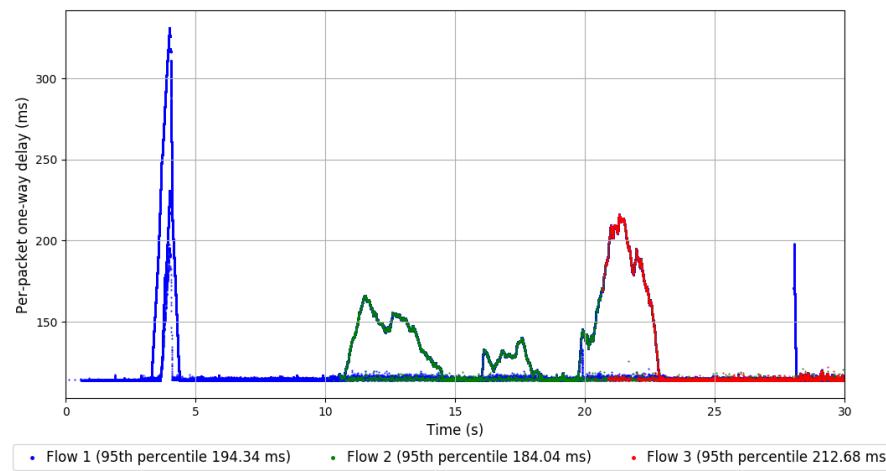
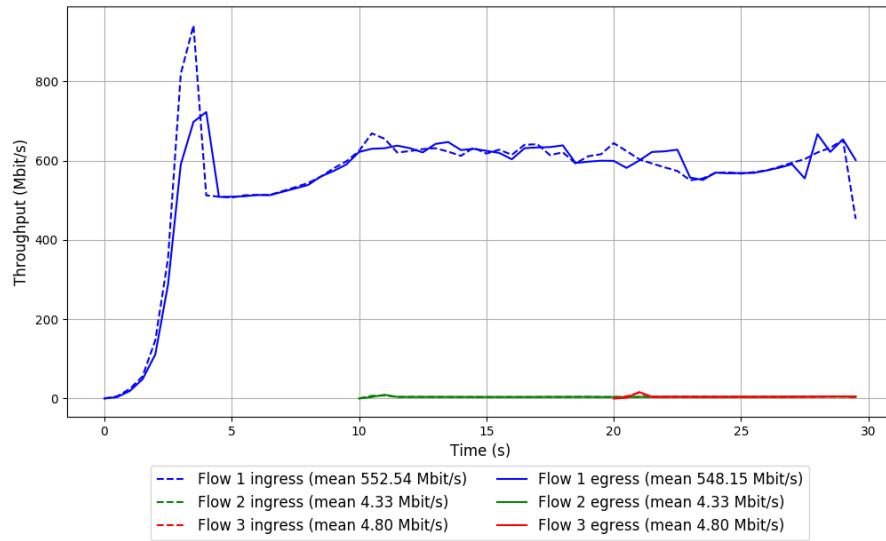
Run 9: Statistics of PCC

Start at: 2017-10-12 07:33:25

End at: 2017-10-12 07:33:55

```
# Below is generated by plot.py at 2017-10-12 09:11:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 552.61 Mbit/s
95th percentile per-packet one-way delay: 194.476 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 548.15 Mbit/s
95th percentile per-packet one-way delay: 194.341 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 184.037 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 212.681 ms
Loss rate: 0.00%
```

## Run 9: Report of PCC — Data Link



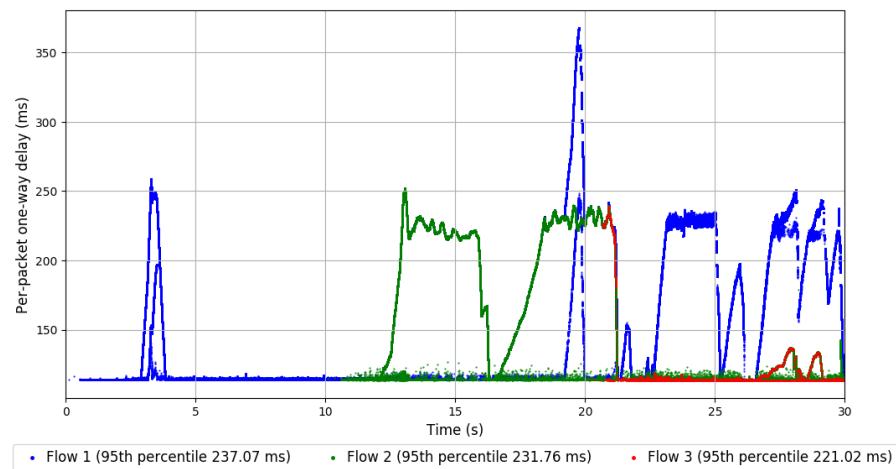
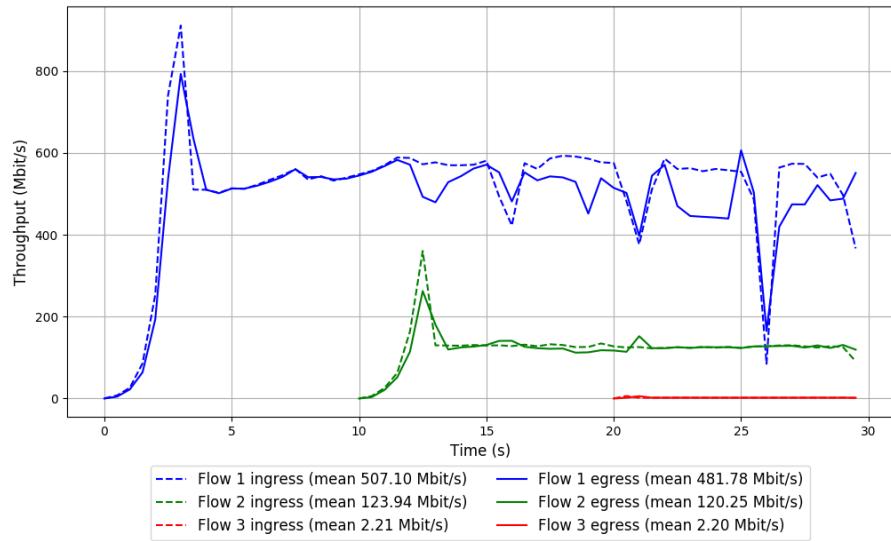
Run 10: Statistics of PCC

Start at: 2017-10-12 07:46:58

End at: 2017-10-12 07:47:28

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 562.44 Mbit/s
95th percentile per-packet one-way delay: 236.114 ms
Loss rate: 4.71%
-- Flow 1:
Average throughput: 481.78 Mbit/s
95th percentile per-packet one-way delay: 237.071 ms
Loss rate: 4.99%
-- Flow 2:
Average throughput: 120.25 Mbit/s
95th percentile per-packet one-way delay: 231.762 ms
Loss rate: 2.97%
-- Flow 3:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 221.022 ms
Loss rate: 0.39%
```

Run 10: Report of PCC — Data Link

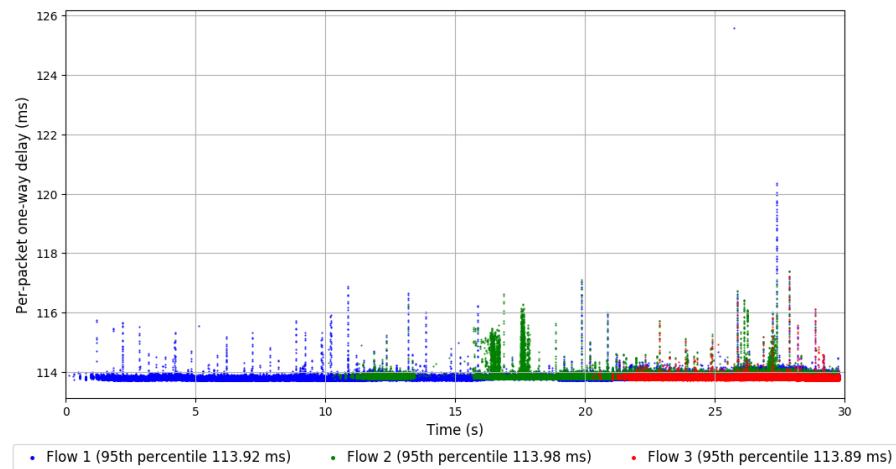
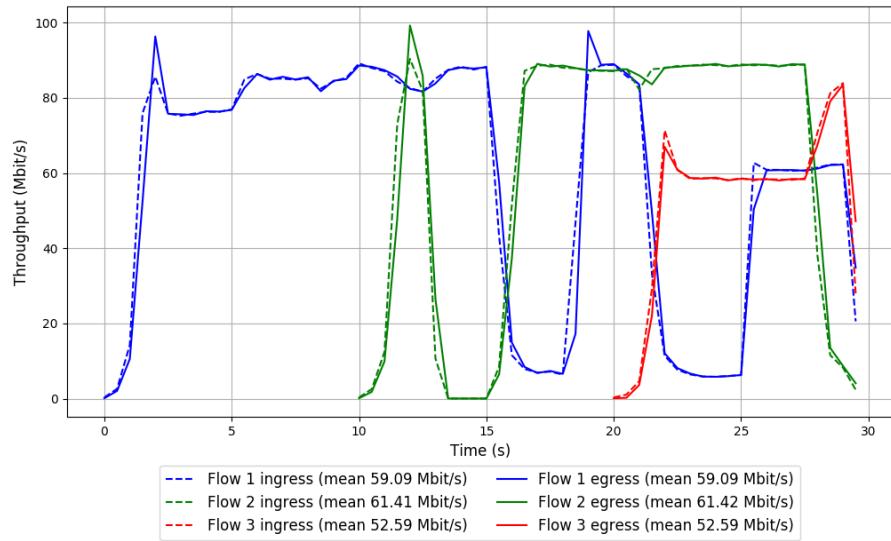


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-10-12 05:54:14
End at: 2017-10-12 05:54:44

# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 116.88 Mbit/s
95th percentile per-packet one-way delay: 113.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 113.925 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.42 Mbit/s
95th percentile per-packet one-way delay: 113.984 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.59 Mbit/s
95th percentile per-packet one-way delay: 113.886 ms
Loss rate: 0.00%
```

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



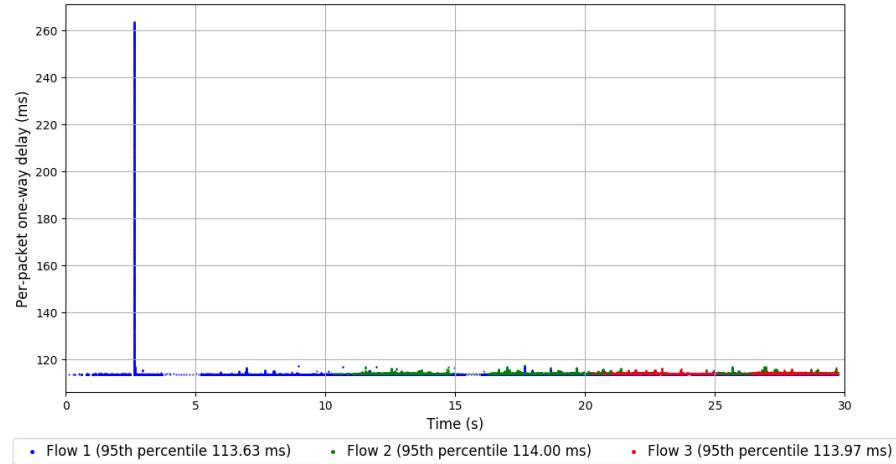
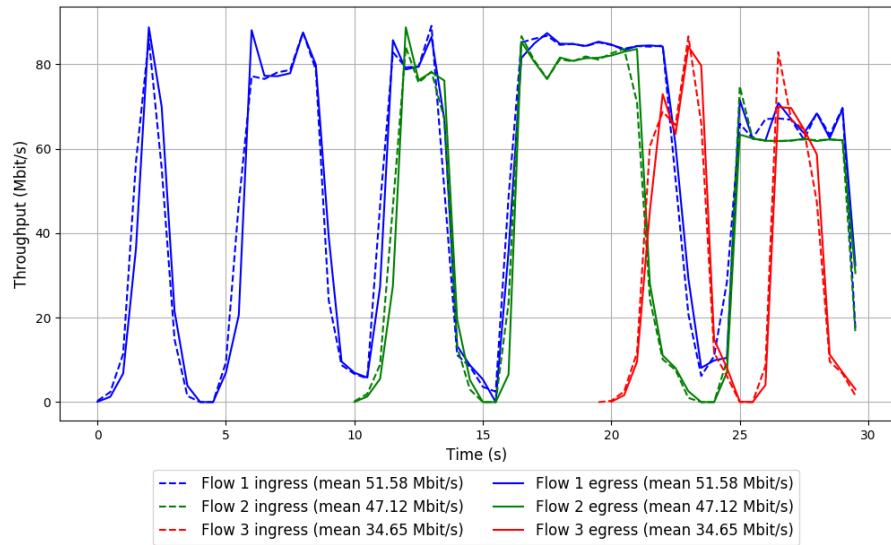
Run 2: Statistics of QUIC Cubic

Start at: 2017-10-12 06:07:42

End at: 2017-10-12 06:08:12

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.06 Mbit/s
95th percentile per-packet one-way delay: 113.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.58 Mbit/s
95th percentile per-packet one-way delay: 113.627 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.12 Mbit/s
95th percentile per-packet one-way delay: 114.005 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 113.971 ms
Loss rate: 0.00%
```

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



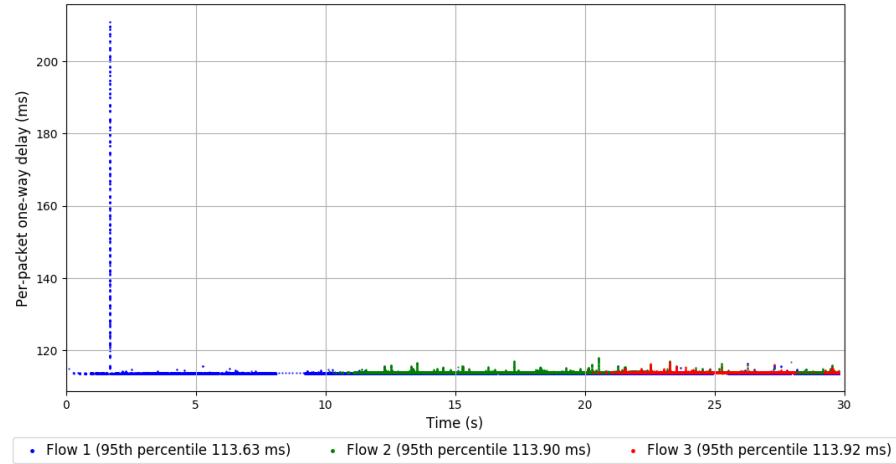
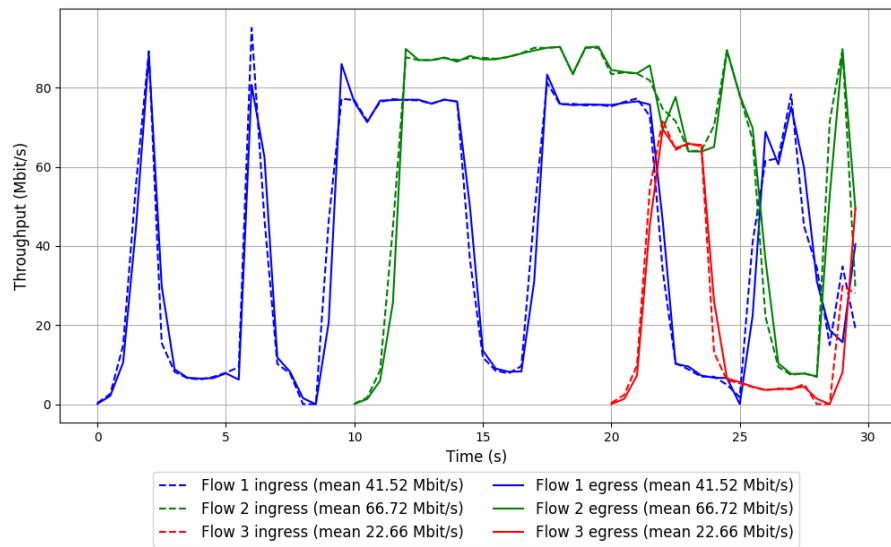
Run 3: Statistics of QUIC Cubic

Start at: 2017-10-12 06:21:13

End at: 2017-10-12 06:21:43

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 113.882 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 113.631 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 66.72 Mbit/s
95th percentile per-packet one-way delay: 113.903 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 22.66 Mbit/s
95th percentile per-packet one-way delay: 113.923 ms
Loss rate: 0.08%
```

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



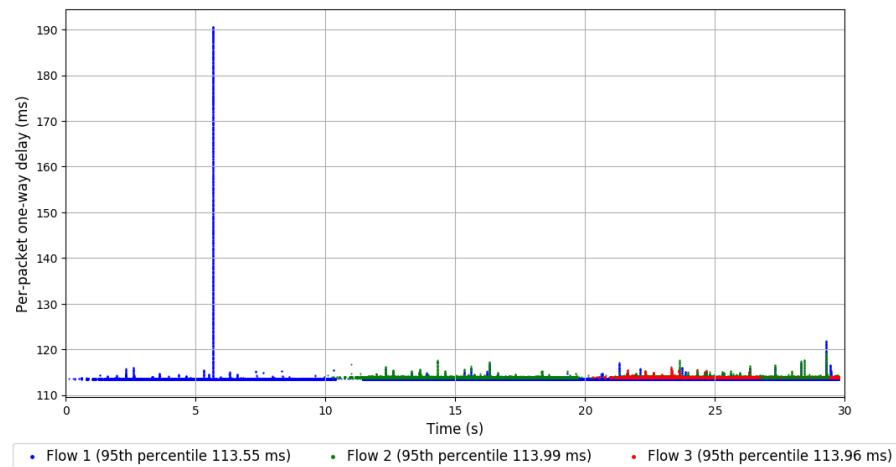
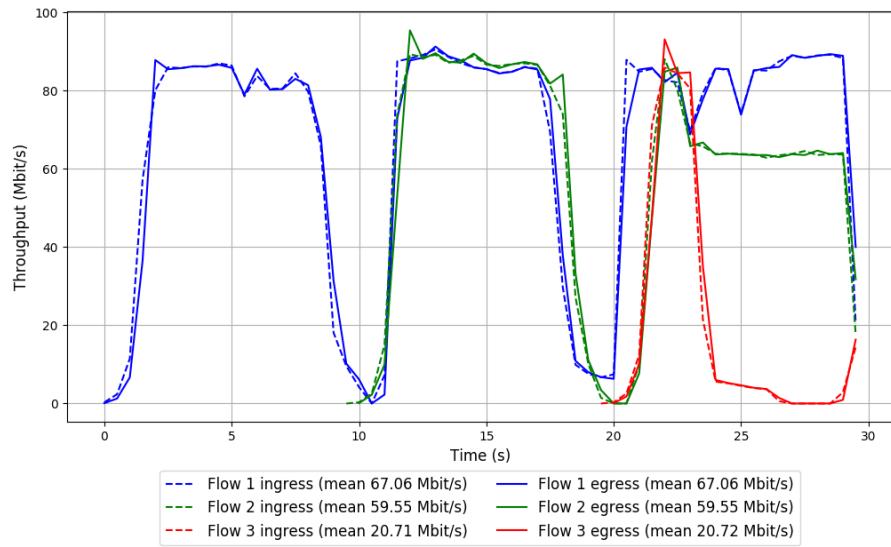
Run 4: Statistics of QUIC Cubic

Start at: 2017-10-12 06:34:39

End at: 2017-10-12 06:35:09

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 113.30 Mbit/s
95th percentile per-packet one-way delay: 113.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.06 Mbit/s
95th percentile per-packet one-way delay: 113.550 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.55 Mbit/s
95th percentile per-packet one-way delay: 113.992 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.72 Mbit/s
95th percentile per-packet one-way delay: 113.956 ms
Loss rate: 0.01%
```

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



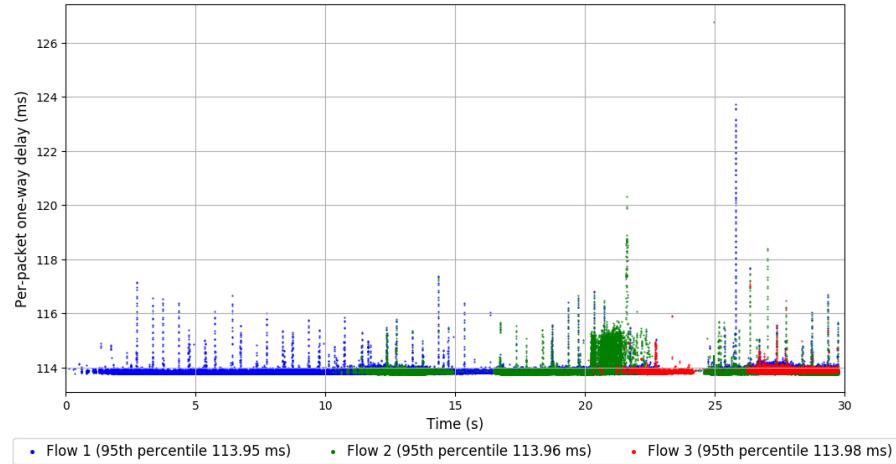
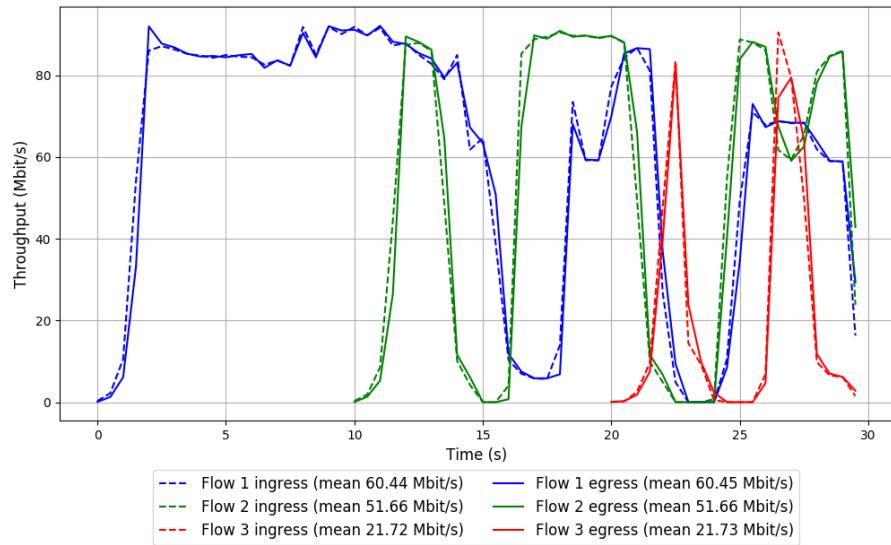
Run 5: Statistics of QUIC Cubic

Start at: 2017-10-12 06:48:04

End at: 2017-10-12 06:48:34

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 101.71 Mbit/s
95th percentile per-packet one-way delay: 113.957 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 60.45 Mbit/s
95th percentile per-packet one-way delay: 113.951 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 51.66 Mbit/s
95th percentile per-packet one-way delay: 113.962 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 21.73 Mbit/s
95th percentile per-packet one-way delay: 113.983 ms
Loss rate: 0.01%
```

Run 5: Report of QUIC Cubic — Data Link



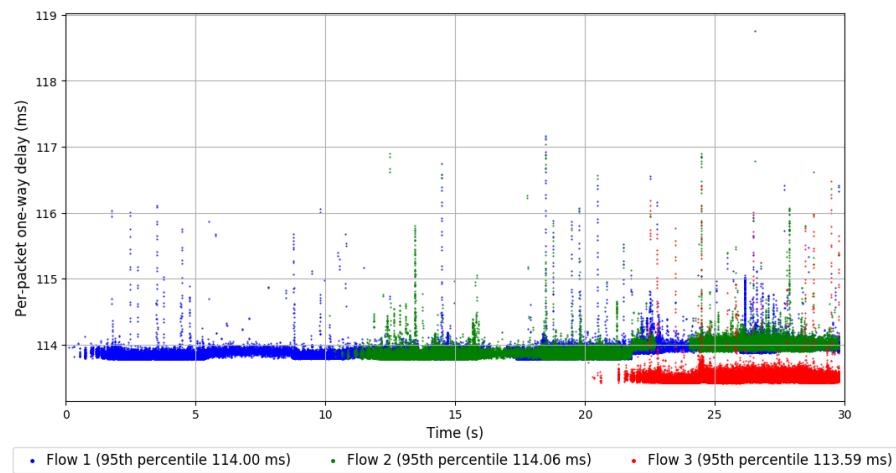
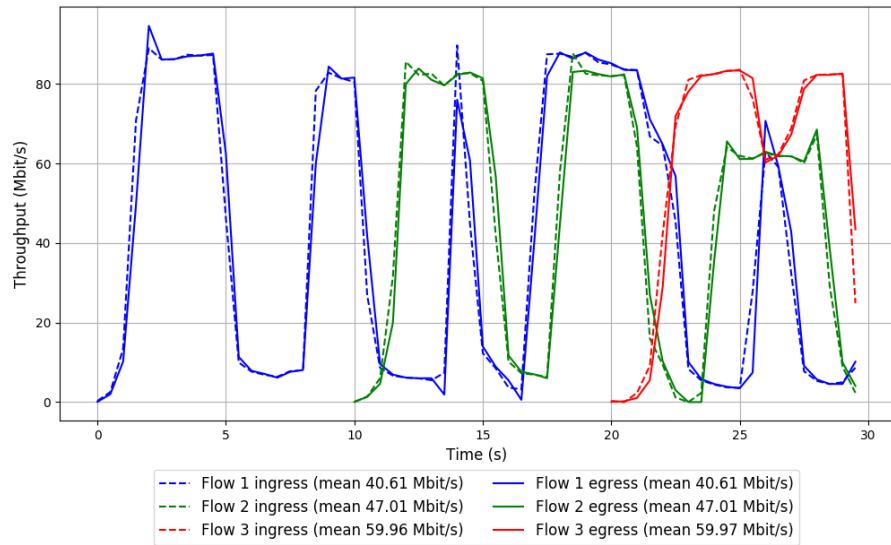
Run 6: Statistics of QUIC Cubic

Start at: 2017-10-12 07:01:37

End at: 2017-10-12 07:02:07

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 114.027 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.61 Mbit/s
95th percentile per-packet one-way delay: 114.001 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 114.065 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.97 Mbit/s
95th percentile per-packet one-way delay: 113.588 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link



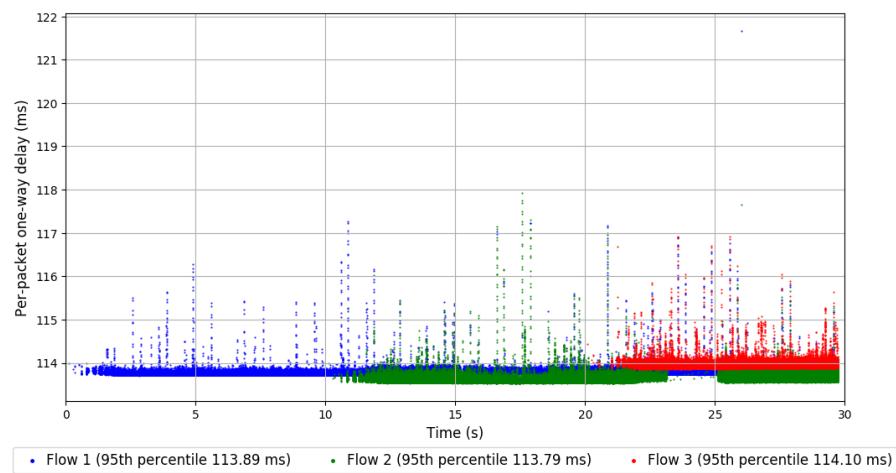
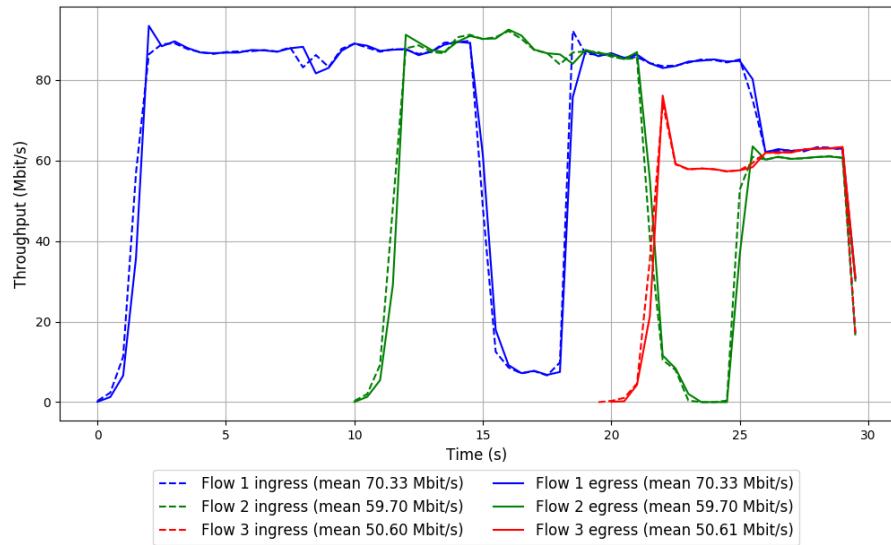
Run 7: Statistics of QUIC Cubic

Start at: 2017-10-12 07:14:44

End at: 2017-10-12 07:15:14

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 126.35 Mbit/s
95th percentile per-packet one-way delay: 113.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.33 Mbit/s
95th percentile per-packet one-way delay: 113.893 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.70 Mbit/s
95th percentile per-packet one-way delay: 113.791 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.61 Mbit/s
95th percentile per-packet one-way delay: 114.098 ms
Loss rate: 0.00%
```

Run 7: Report of QUIC Cubic — Data Link



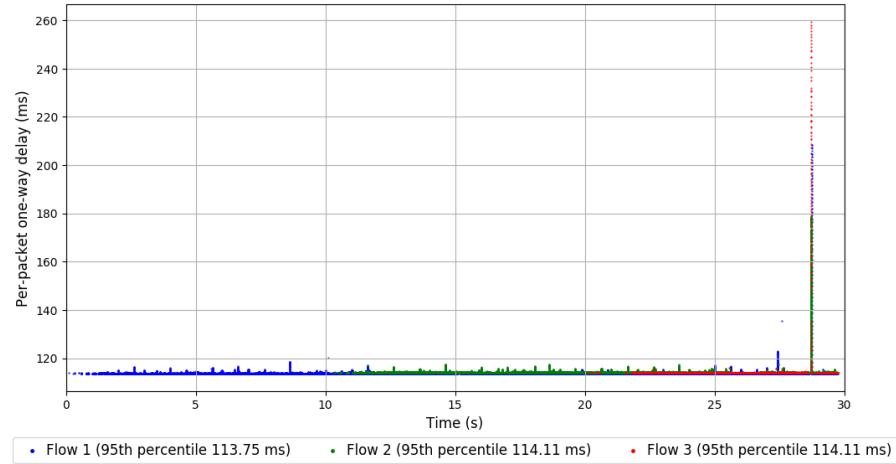
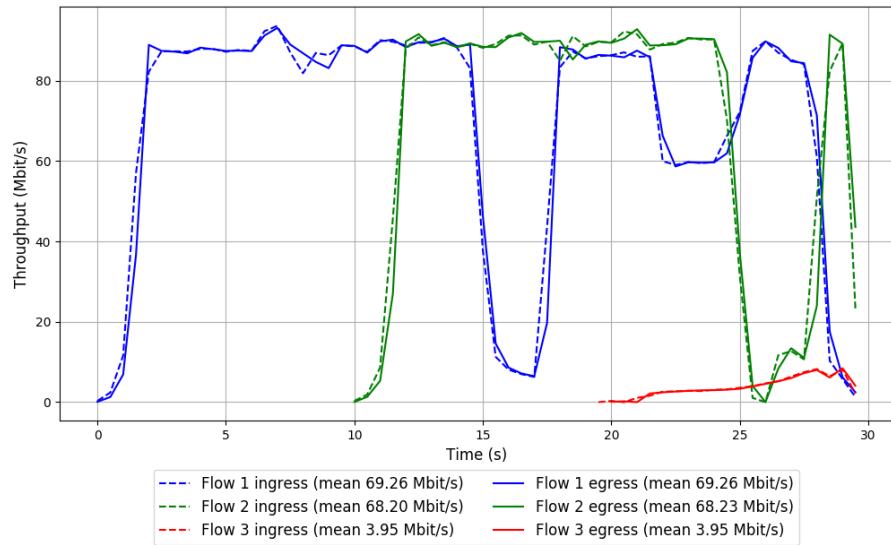
Run 8: Statistics of QUIC Cubic

Start at: 2017-10-12 07:28:16

End at: 2017-10-12 07:28:46

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 115.73 Mbit/s
95th percentile per-packet one-way delay: 114.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.26 Mbit/s
95th percentile per-packet one-way delay: 113.745 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.23 Mbit/s
95th percentile per-packet one-way delay: 114.115 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 114.111 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link



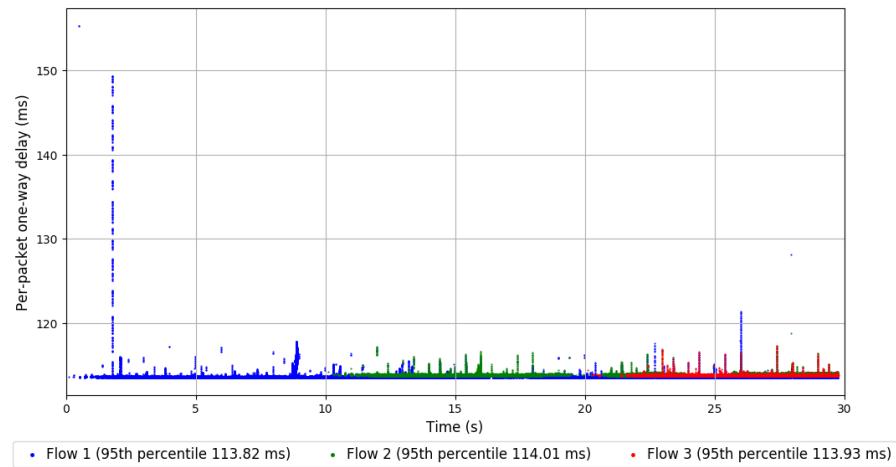
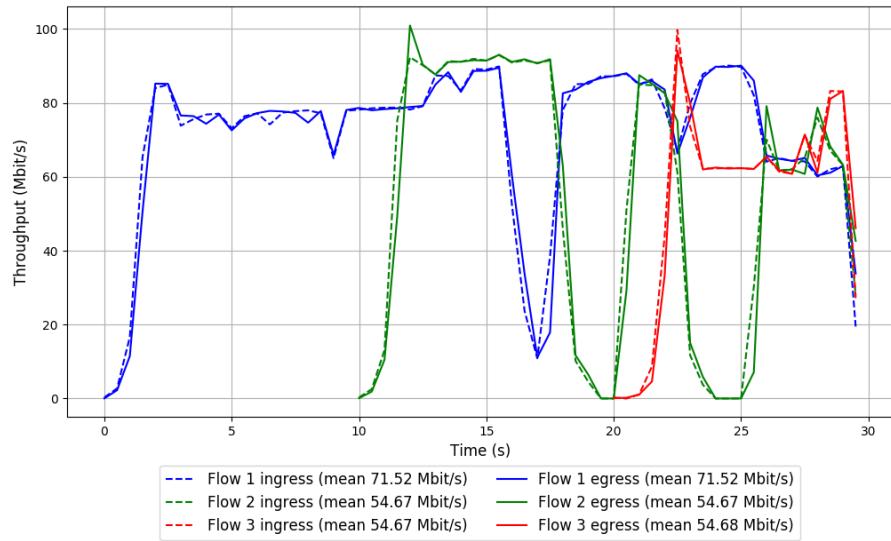
Run 9: Statistics of QUIC Cubic

Start at: 2017-10-12 07:41:44

End at: 2017-10-12 07:42:14

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.53 Mbit/s
95th percentile per-packet one-way delay: 113.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.52 Mbit/s
95th percentile per-packet one-way delay: 113.819 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.67 Mbit/s
95th percentile per-packet one-way delay: 114.010 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.68 Mbit/s
95th percentile per-packet one-way delay: 113.931 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link



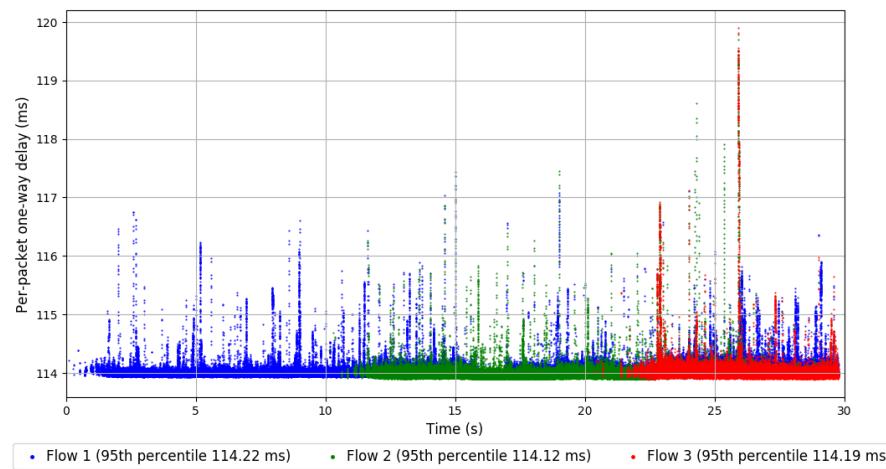
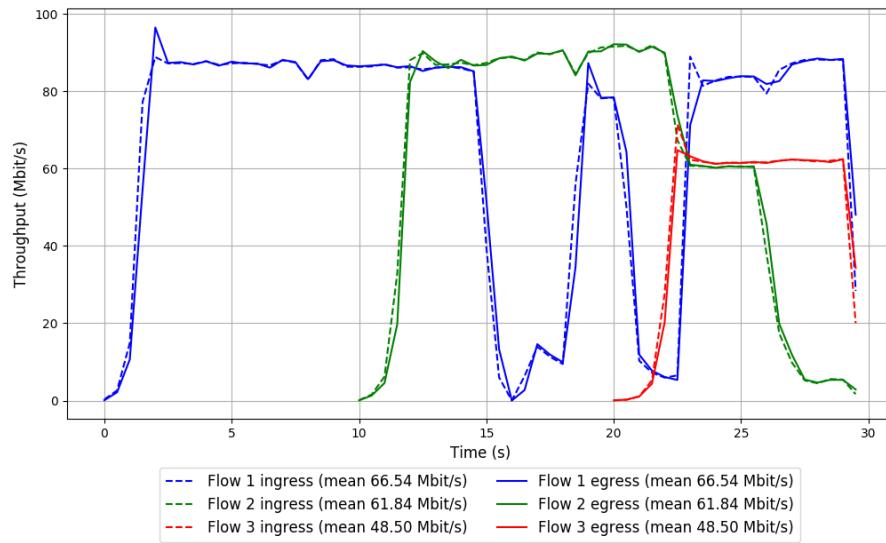
Run 10: Statistics of QUIC Cubic

Start at: 2017-10-12 07:55:31

End at: 2017-10-12 07:56:01

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.13 Mbit/s
95th percentile per-packet one-way delay: 114.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.54 Mbit/s
95th percentile per-packet one-way delay: 114.215 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.84 Mbit/s
95th percentile per-packet one-way delay: 114.118 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.50 Mbit/s
95th percentile per-packet one-way delay: 114.186 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

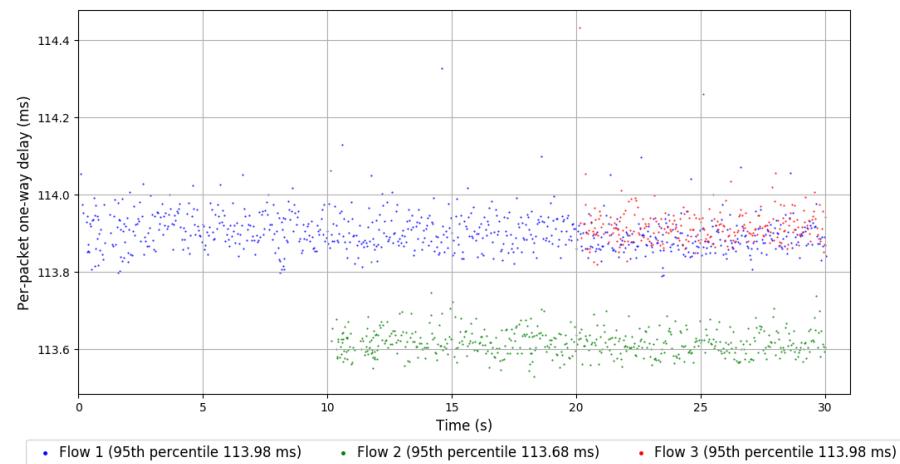
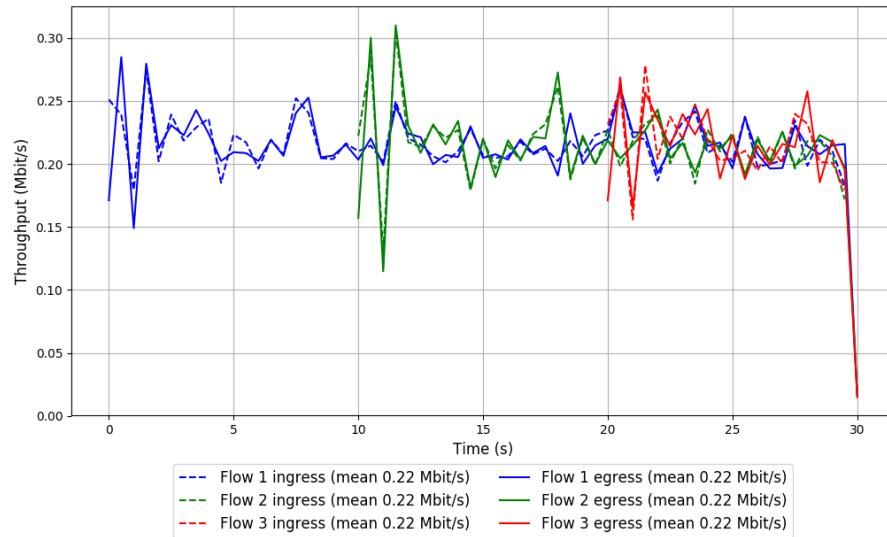


```
Run 1: Statistics of SCReAM

Start at: 2017-10-12 05:43:13
End at: 2017-10-12 05:43:43

# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.978 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.680 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.985 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link



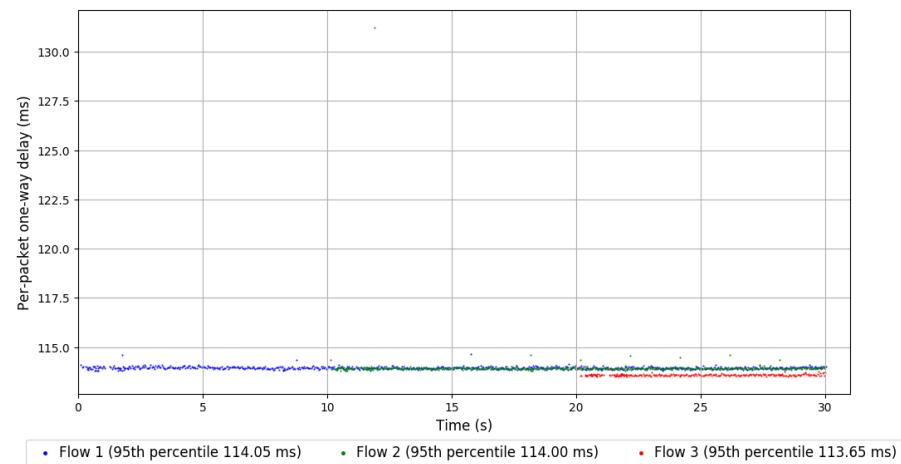
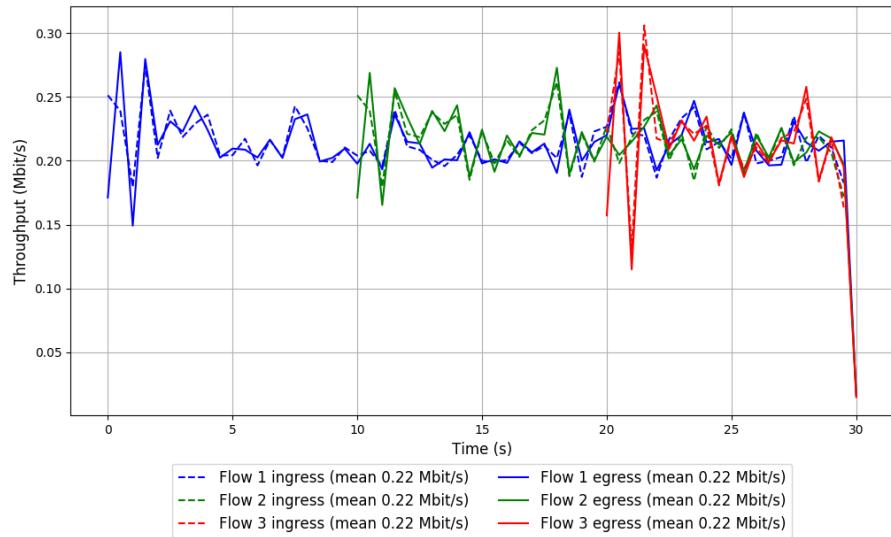
Run 2: Statistics of SCReAM

Start at: 2017-10-12 05:56:31

End at: 2017-10-12 05:57:01

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 114.029 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 114.045 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.996 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.654 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link



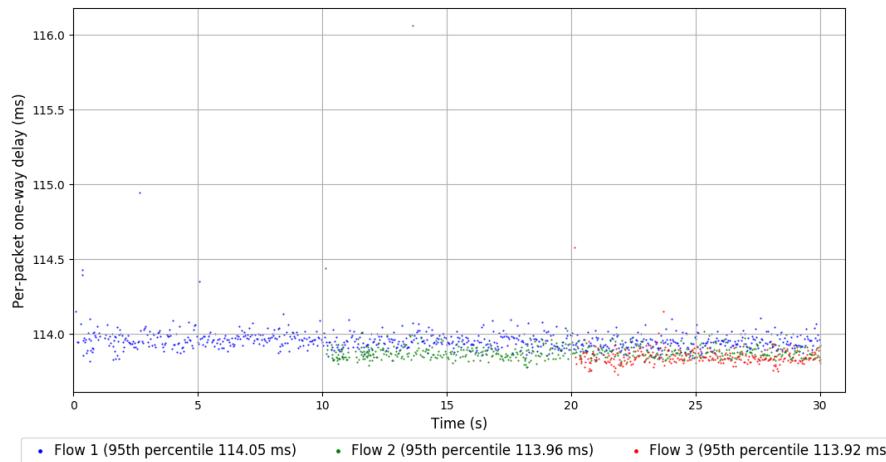
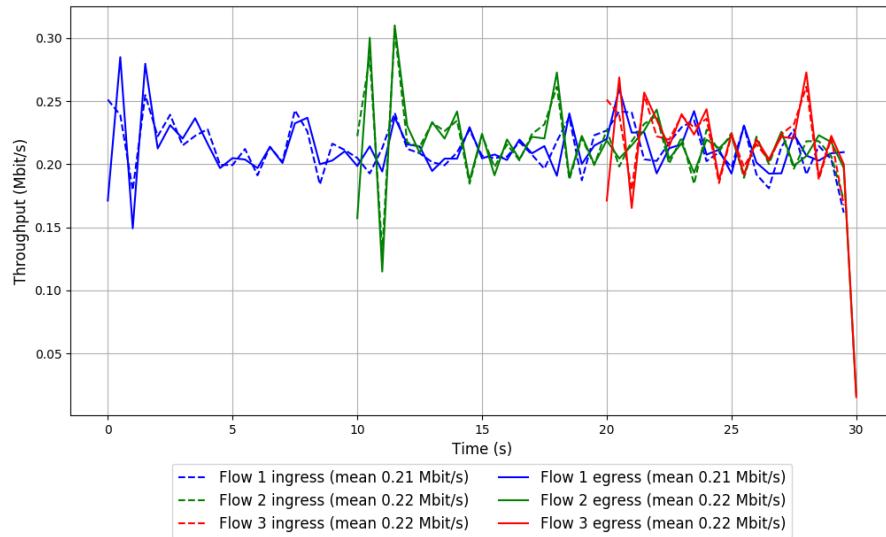
Run 3: Statistics of SCReAM

Start at: 2017-10-12 06:09:55

End at: 2017-10-12 06:10:25

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 114.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 114.047 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.956 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.915 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link



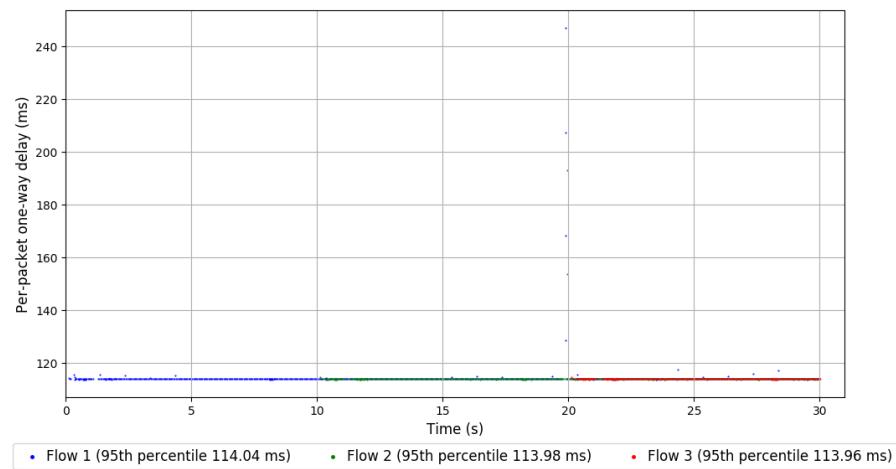
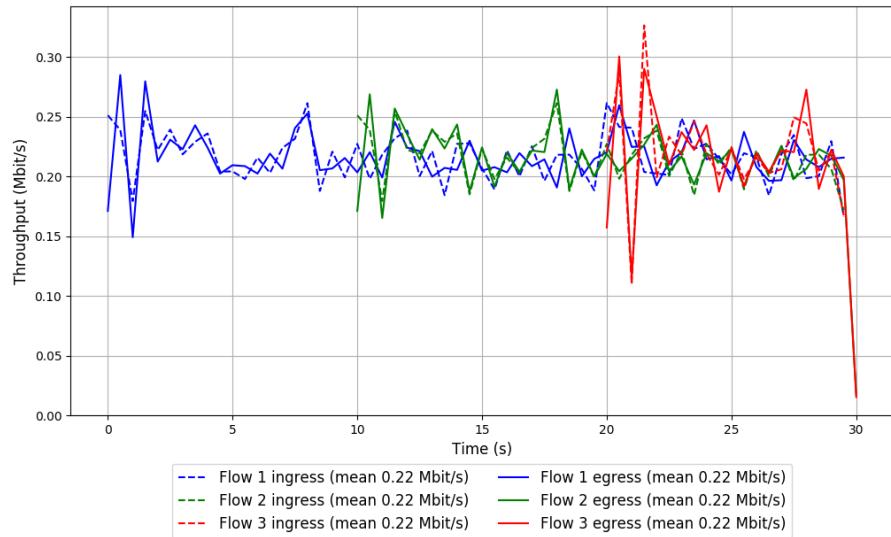
Run 4: Statistics of SCReAM

Start at: 2017-10-12 06:23:25

End at: 2017-10-12 06:23:55

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 114.011 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 114.040 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.958 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link



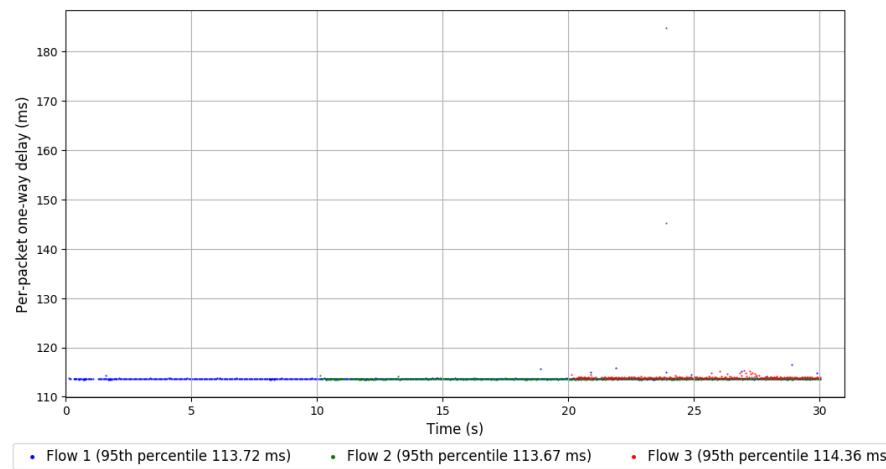
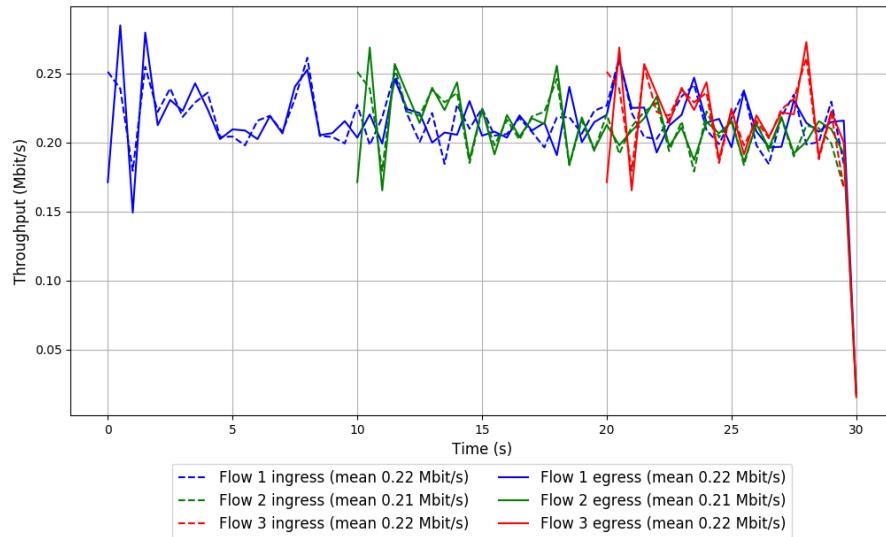
Run 5: Statistics of SCReAM

Start at: 2017-10-12 06:36:51

End at: 2017-10-12 06:37:21

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.928 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.724 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.673 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 114.360 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link



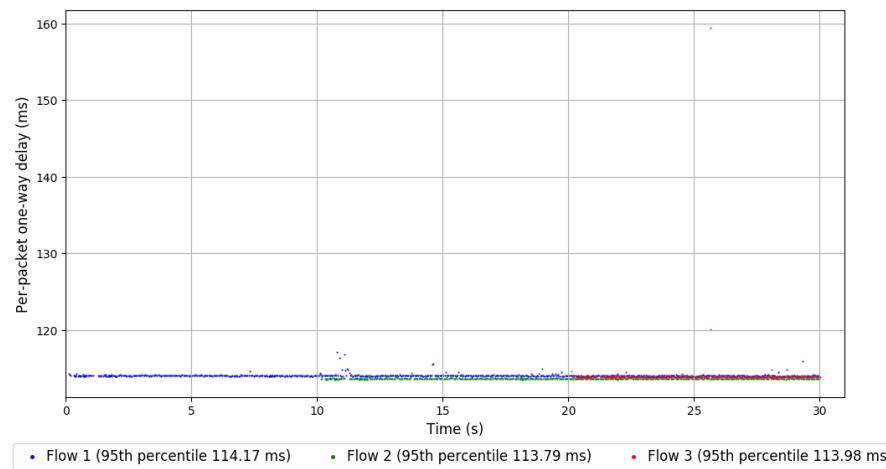
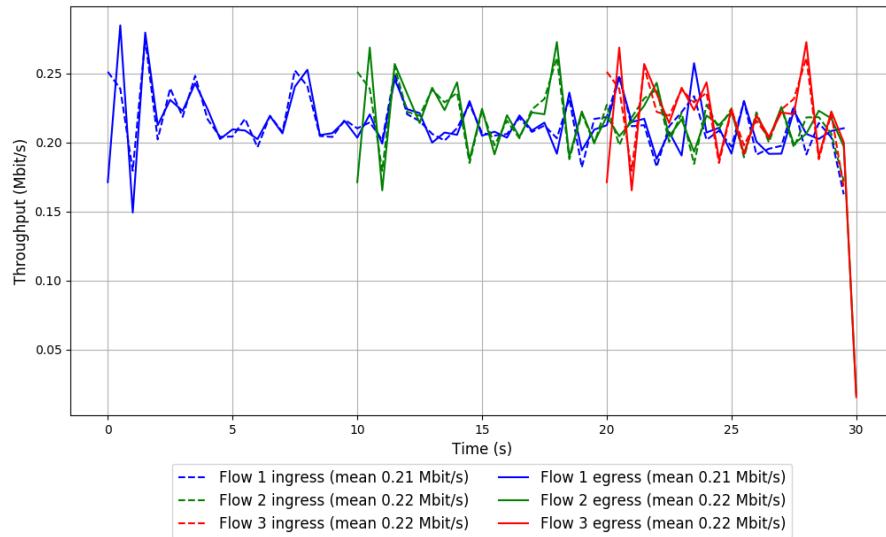
Run 6: Statistics of SCReAM

Start at: 2017-10-12 06:50:19

End at: 2017-10-12 06:50:49

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 114.143 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 114.173 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.792 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.979 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link



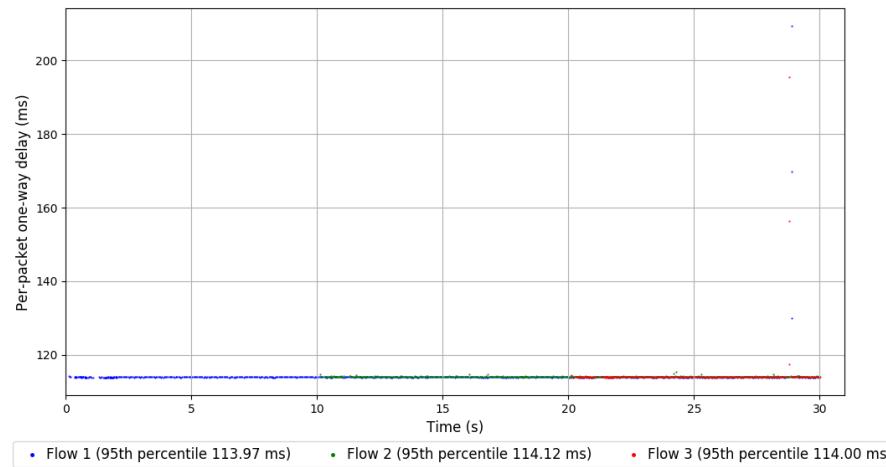
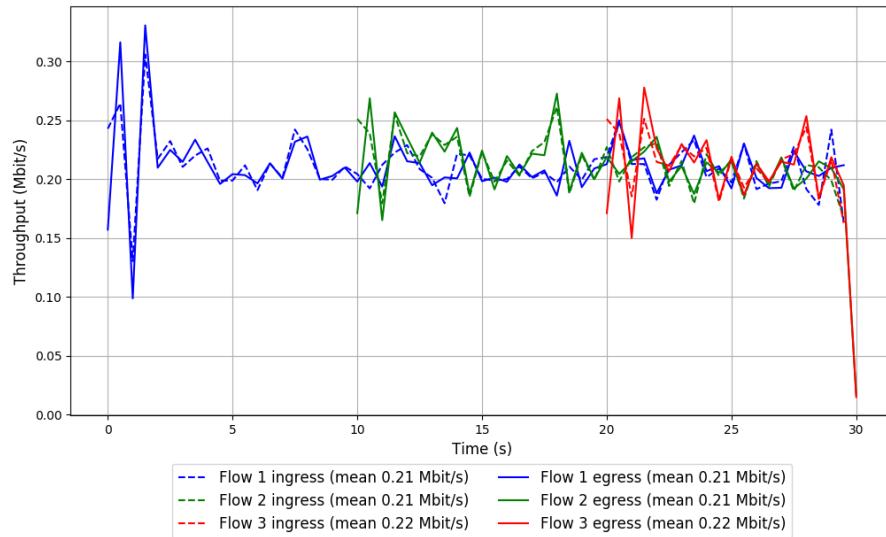
Run 7: Statistics of SCReAM

Start at: 2017-10-12 07:03:46

End at: 2017-10-12 07:04:16

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 114.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.970 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 114.124 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 114.003 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link



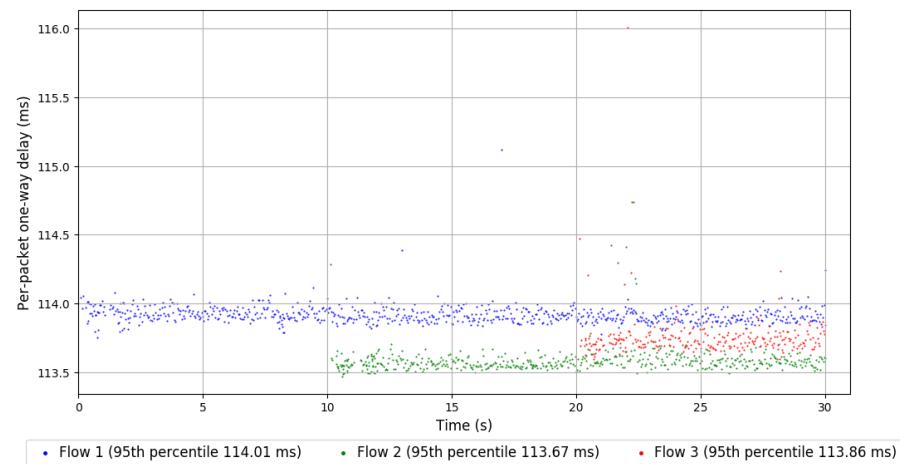
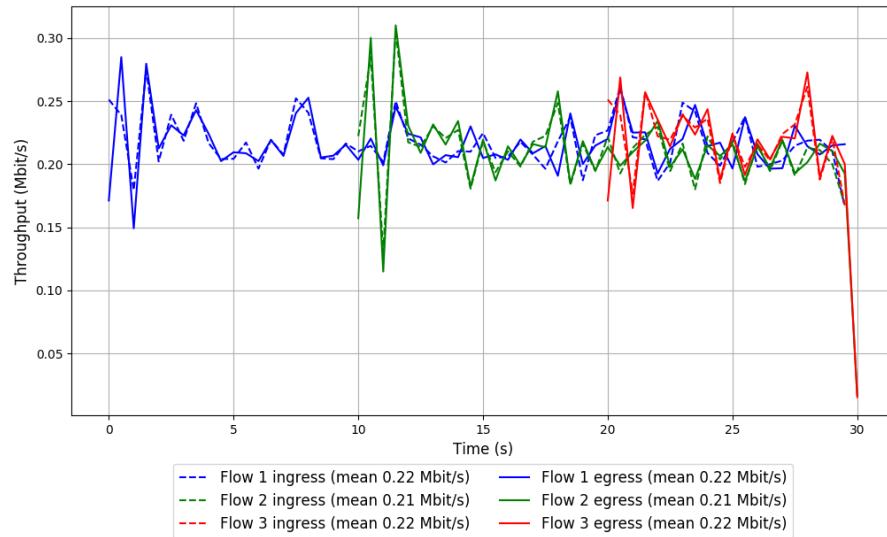
Run 8: Statistics of SCReAM

Start at: 2017-10-12 07:17:01

End at: 2017-10-12 07:17:31

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.992 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 114.007 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.667 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.864 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link



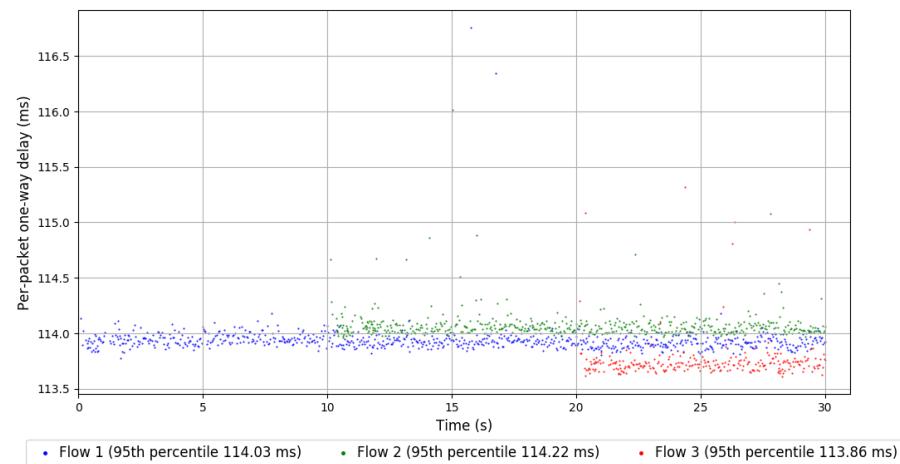
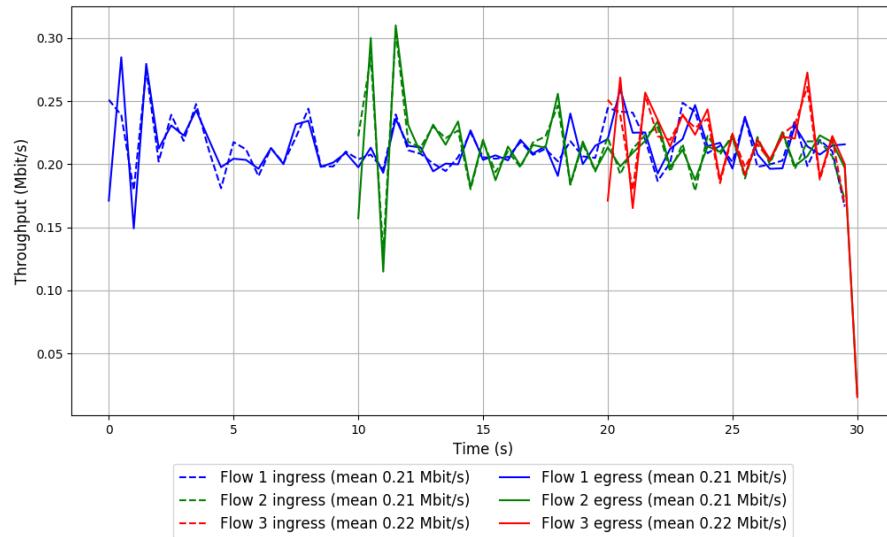
Run 9: Statistics of SCReAM

Start at: 2017-10-12 07:30:34

End at: 2017-10-12 07:31:04

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 114.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 114.026 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 114.222 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.855 ms
Loss rate: 0.00%
```

## Run 9: Report of SCReAM — Data Link



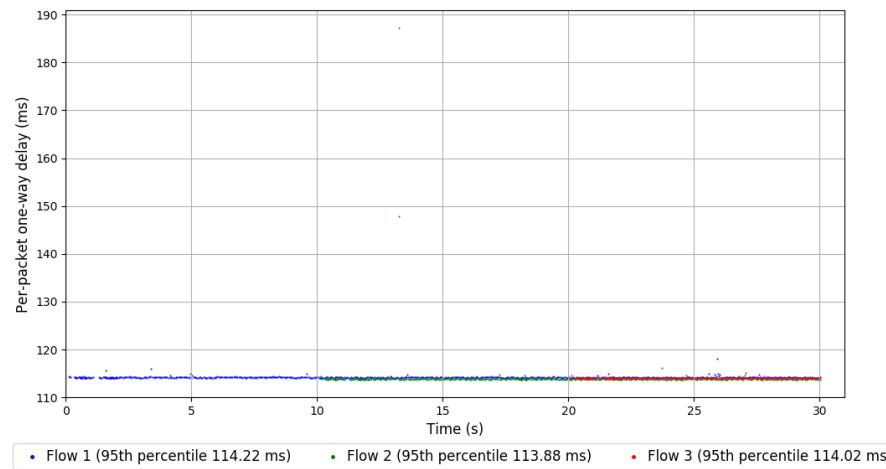
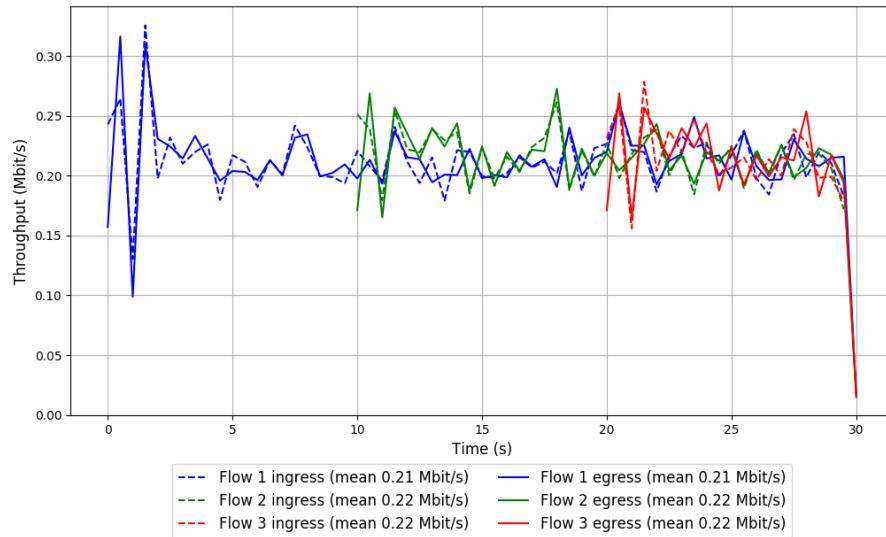
Run 10: Statistics of SCReAM

Start at: 2017-10-12 07:44:02

End at: 2017-10-12 07:44:32

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 114.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 114.219 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.876 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 114.019 ms
Loss rate: 0.00%
```

## Run 10: Report of SCReAM — Data Link

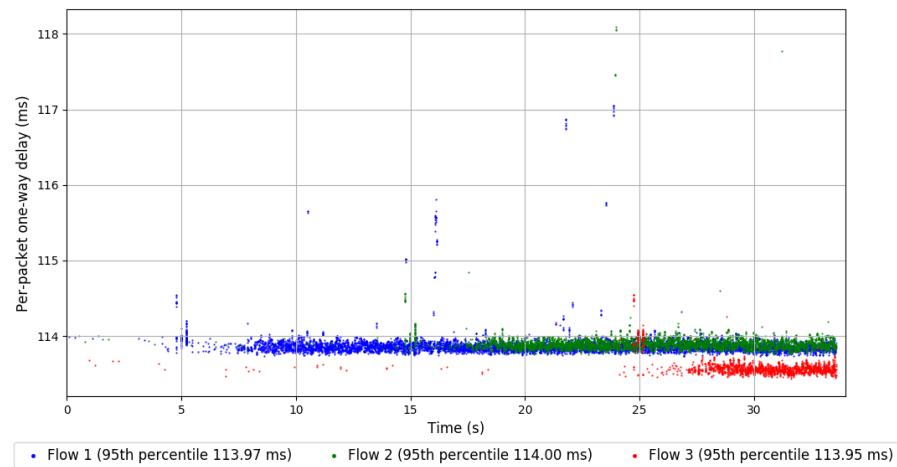
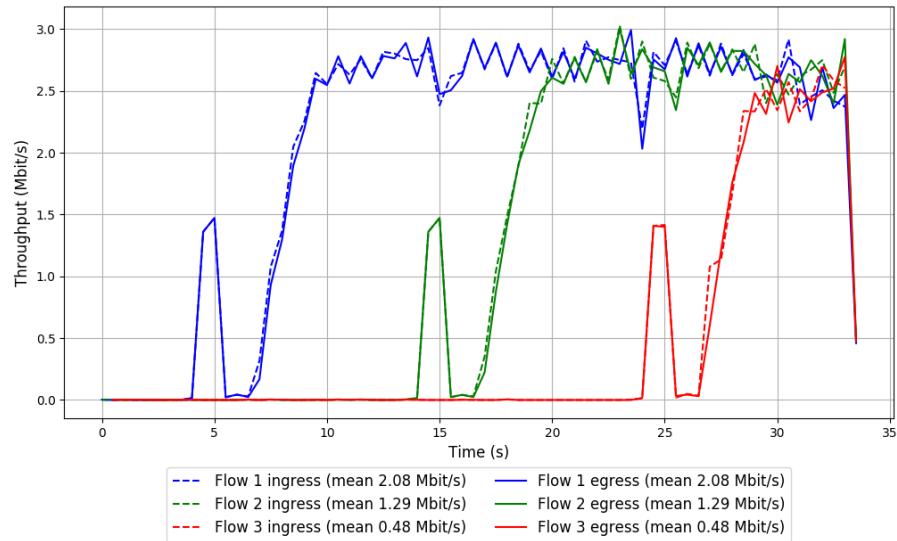


```
Run 1: Statistics of WebRTC media

Start at: 2017-10-12 05:48:08
End at: 2017-10-12 05:48:38

# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 113.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 113.968 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 113.996 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 113.946 ms
Loss rate: 0.00%
```

### Run 1: Report of WebRTC media — Data Link



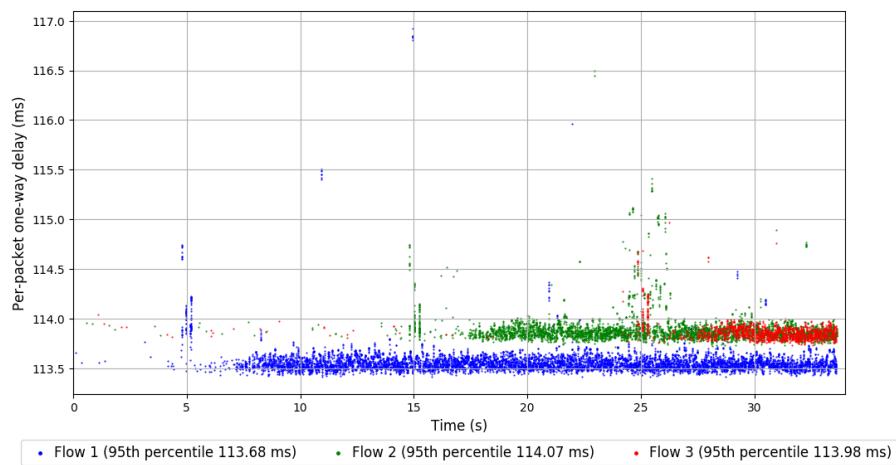
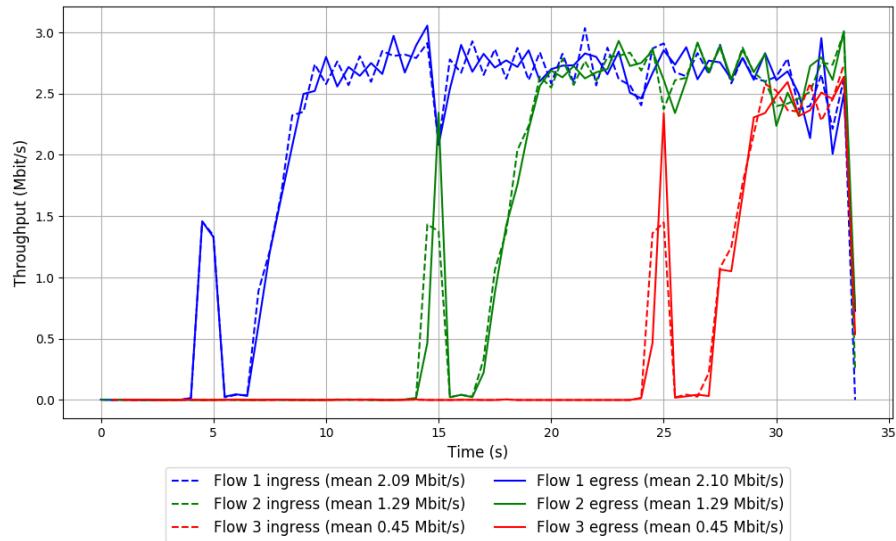
Run 2: Statistics of WebRTC media

Start at: 2017-10-12 06:01:41

End at: 2017-10-12 06:02:11

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 113.960 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 113.676 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 114.070 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 113.984 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link



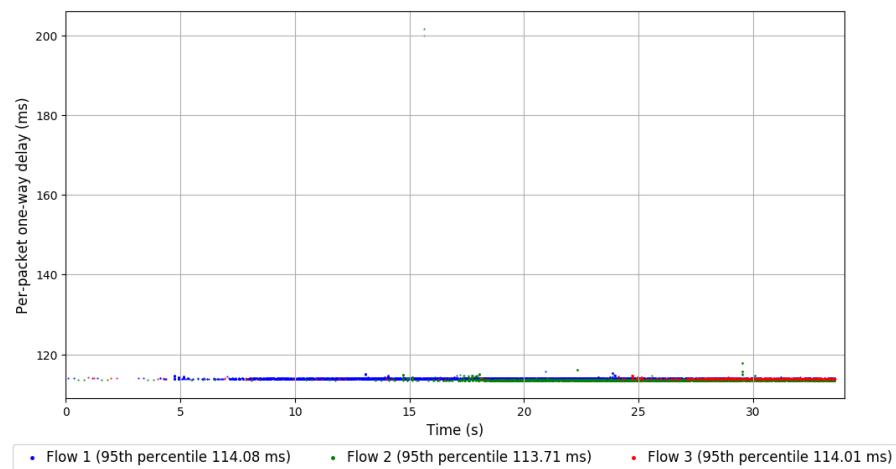
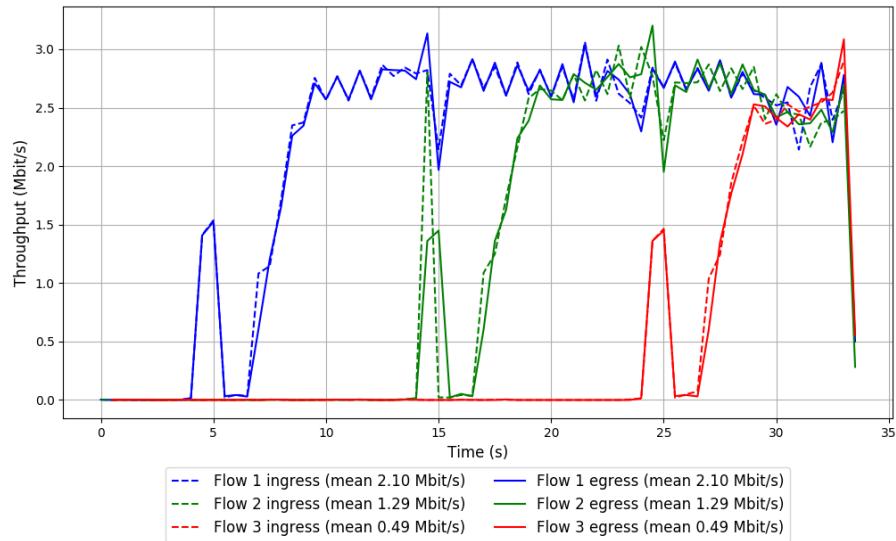
Run 3: Statistics of WebRTC media

Start at: 2017-10-12 06:15:03

End at: 2017-10-12 06:15:33

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 114.066 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 114.083 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 113.709 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 114.006 ms
Loss rate: 0.06%
```

Run 3: Report of WebRTC media — Data Link



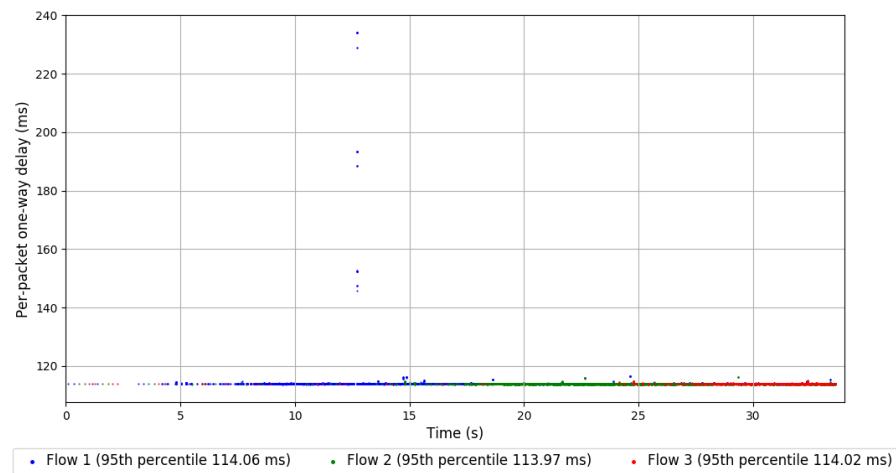
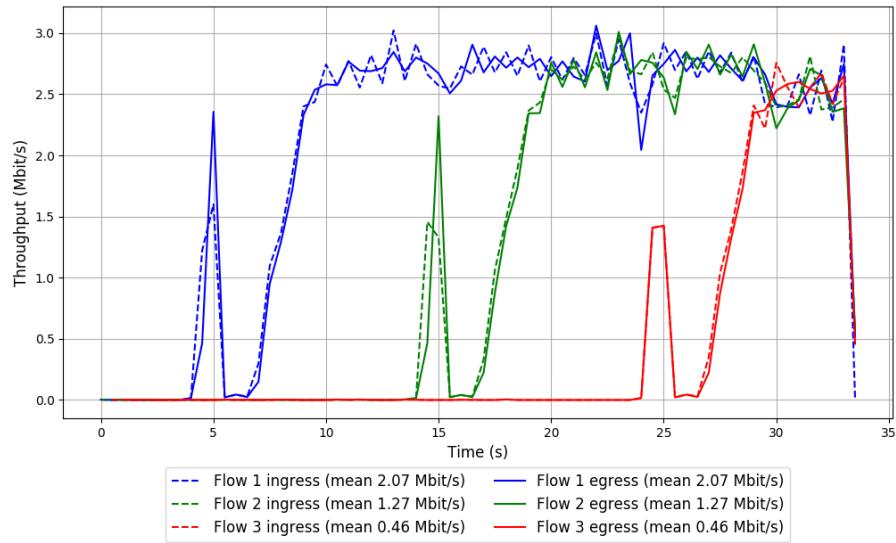
Run 4: Statistics of WebRTC media

Start at: 2017-10-12 06:28:36

End at: 2017-10-12 06:29:06

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 114.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 114.055 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 113.971 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 114.016 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



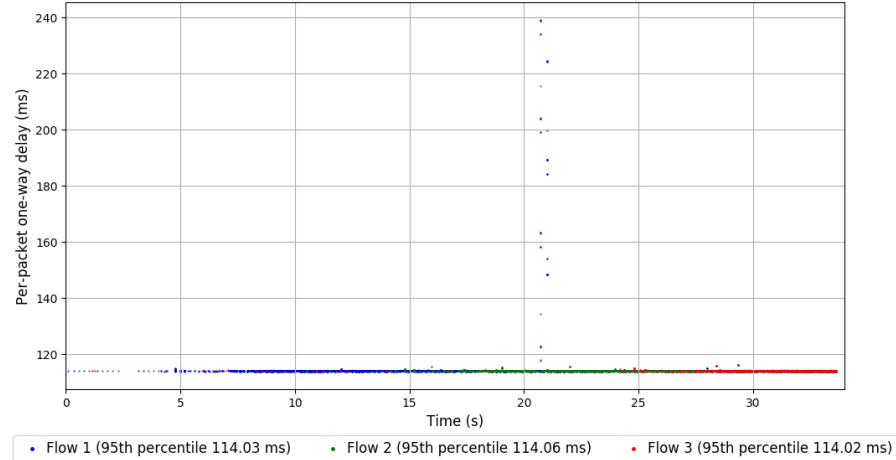
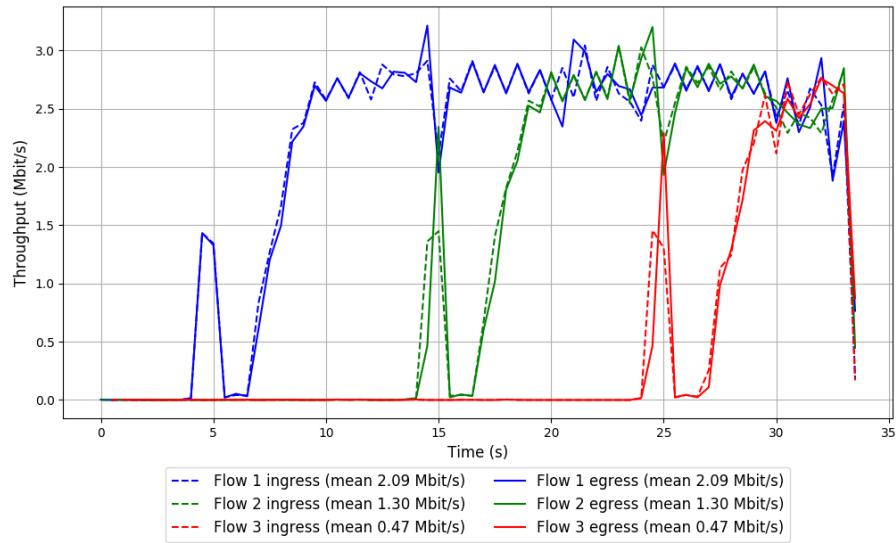
Run 5: Statistics of WebRTC media

Start at: 2017-10-12 06:41:58

End at: 2017-10-12 06:42:28

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 114.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 114.031 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 114.064 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 114.021 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link



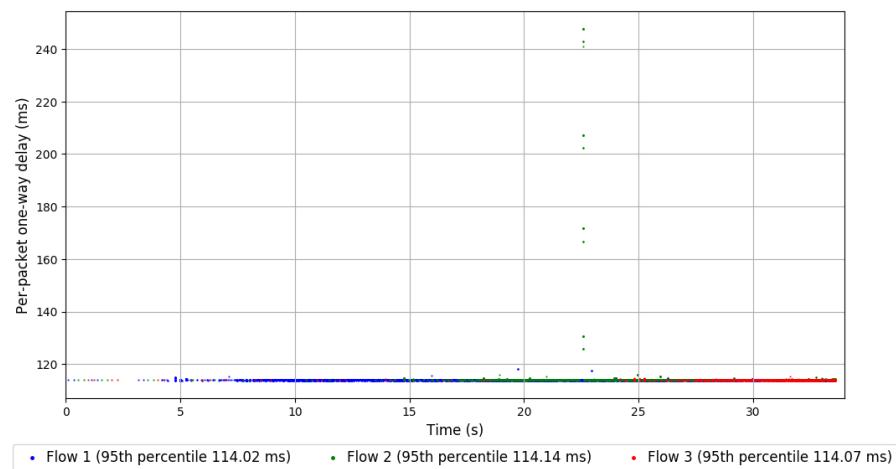
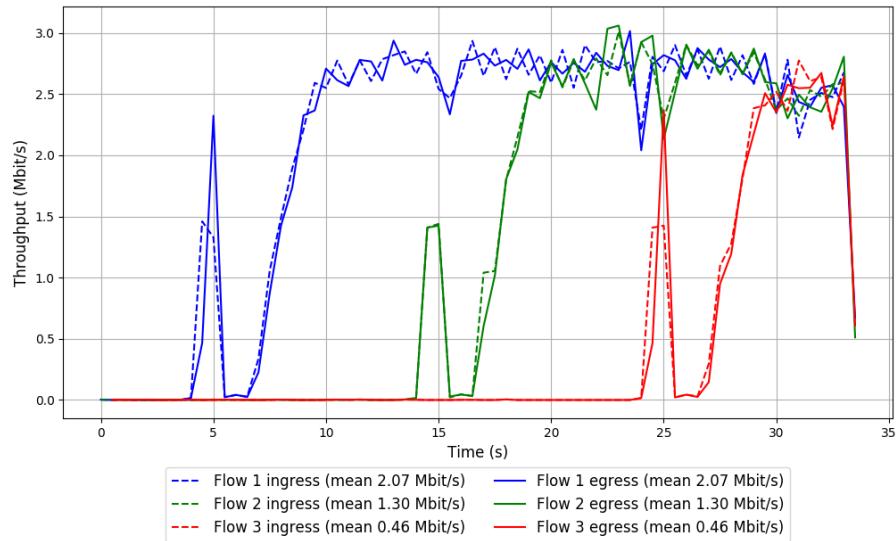
Run 6: Statistics of WebRTC media

Start at: 2017-10-12 06:55:26

End at: 2017-10-12 06:55:56

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 114.084 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 114.016 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 114.136 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 114.067 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

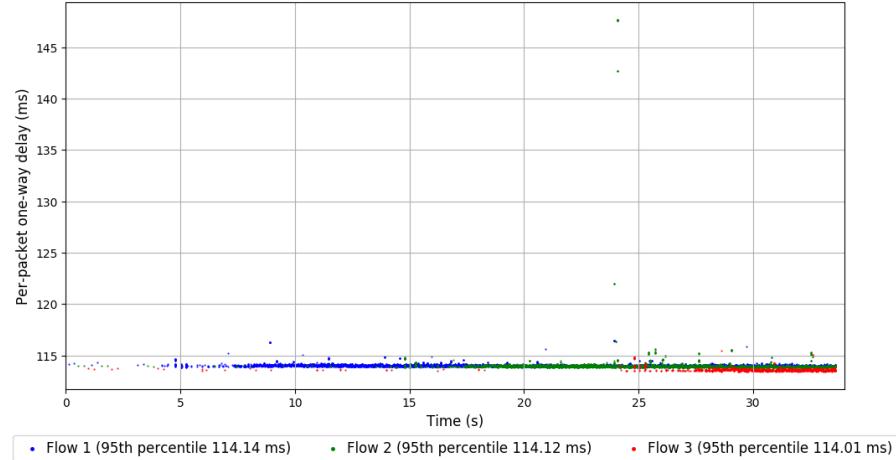
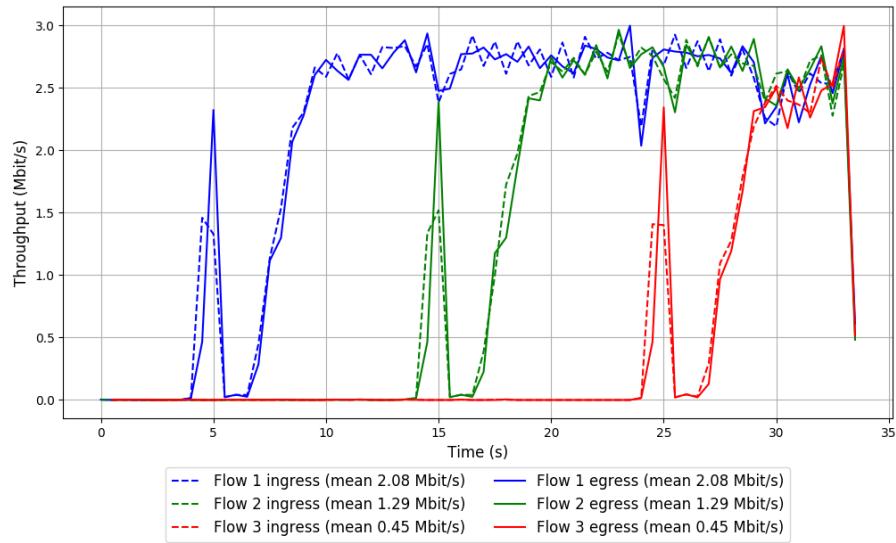


```
Run 7: Statistics of WebRTC media

Start at: 2017-10-12 07:08:54
End at: 2017-10-12 07:09:24

# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 114.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 114.143 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 114.125 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 114.007 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link



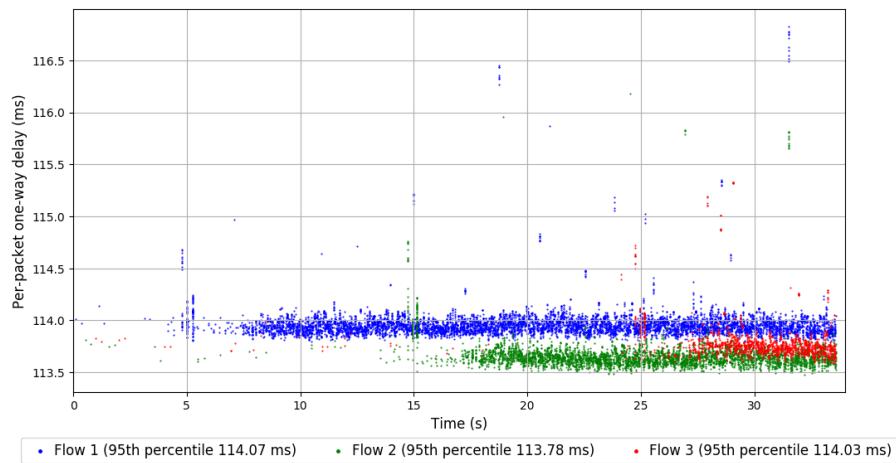
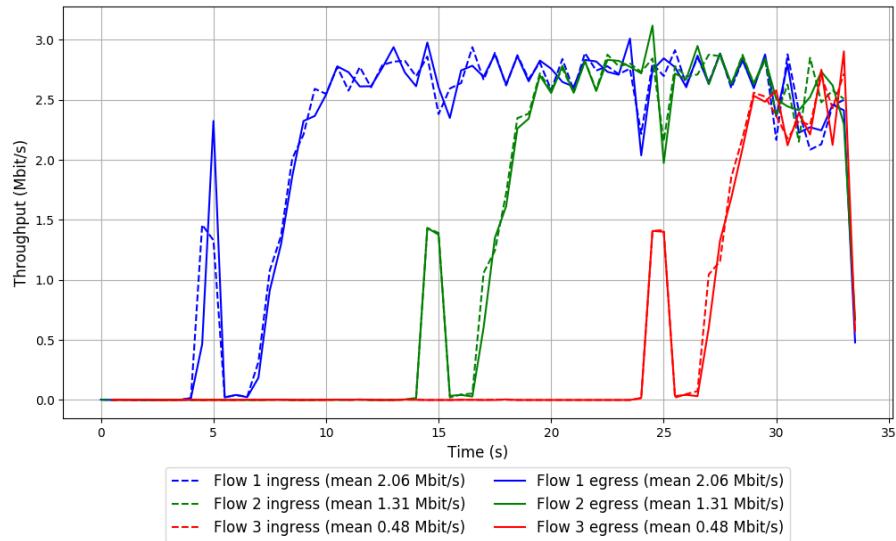
Run 8: Statistics of WebRTC media

Start at: 2017-10-12 07:22:09

End at: 2017-10-12 07:22:39

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 114.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 114.072 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 113.784 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 114.032 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link



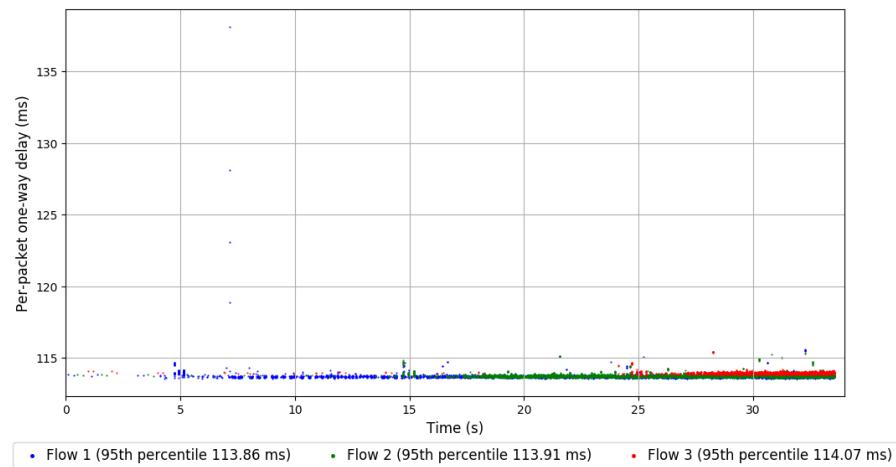
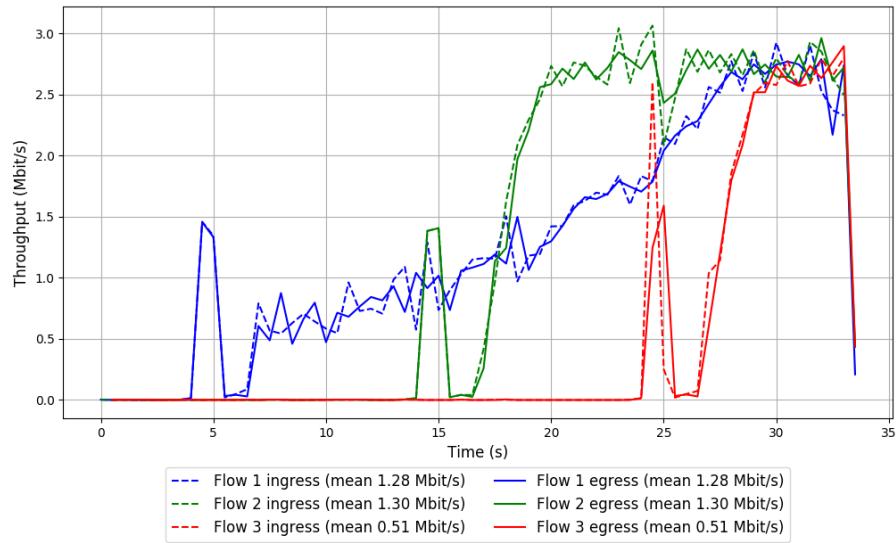
Run 9: Statistics of WebRTC media

Start at: 2017-10-12 07:35:43

End at: 2017-10-12 07:36:13

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 114.012 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 113.855 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 113.908 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 114.070 ms
Loss rate: 0.00%
```

### Run 9: Report of WebRTC media — Data Link

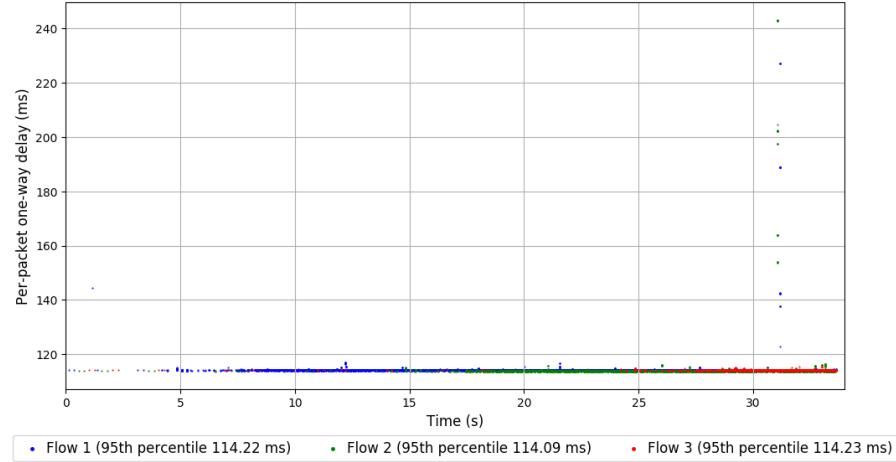
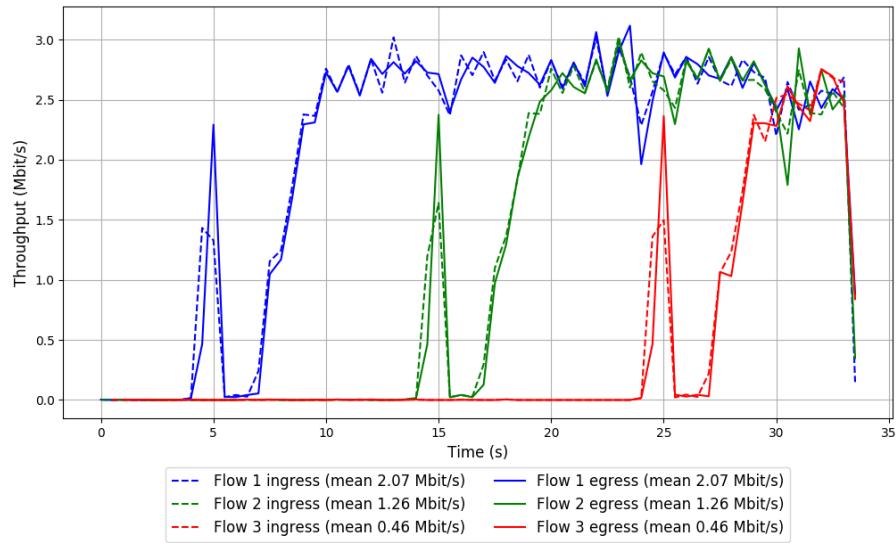


```
Run 10: Statistics of WebRTC media

Start at: 2017-10-12 07:49:17
End at: 2017-10-12 07:49:47

# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 114.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 114.216 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 114.093 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 114.227 ms
Loss rate: 0.00%
```

### Run 10: Report of WebRTC media — Data Link



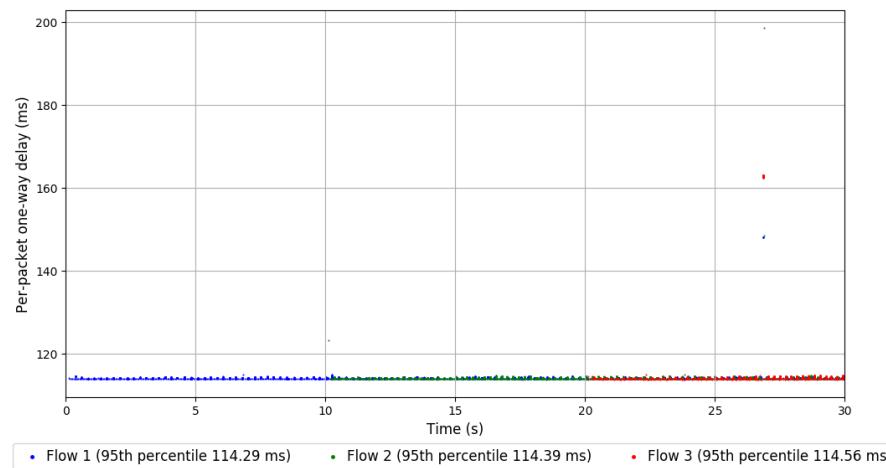
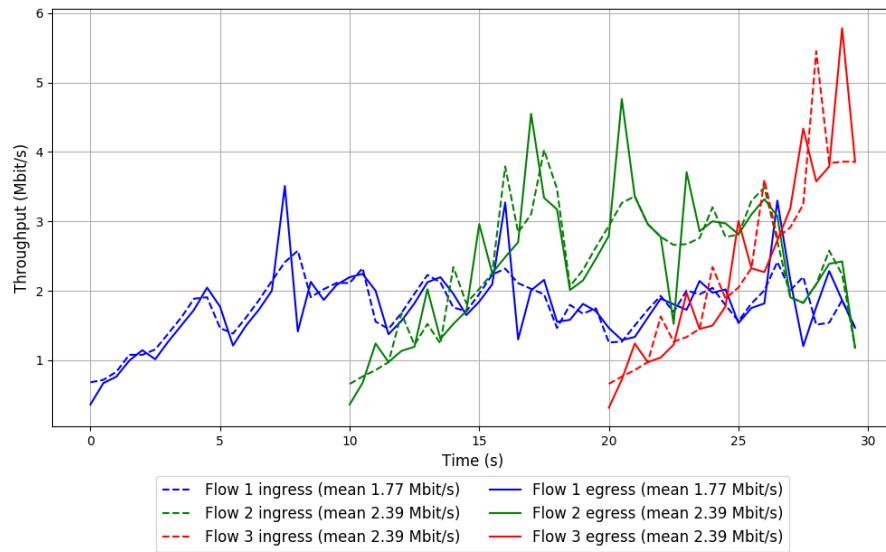
Run 1: Statistics of Sprout

Start at: 2017-10-12 05:49:48

End at: 2017-10-12 05:50:18

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 114.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 114.293 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 114.386 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 114.565 ms
Loss rate: 0.00%
```

## Run 1: Report of Sprout — Data Link



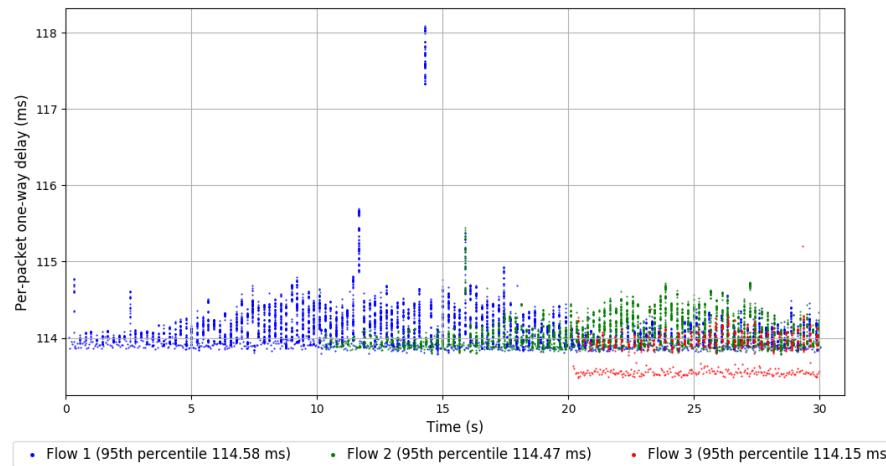
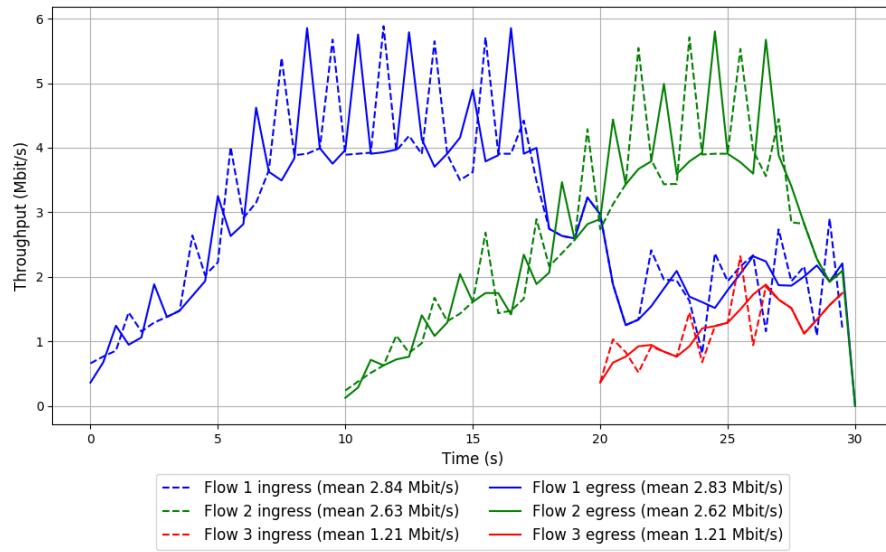
Run 2: Statistics of Sprout

Start at: 2017-10-12 06:03:20

End at: 2017-10-12 06:03:50

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.98 Mbit/s
95th percentile per-packet one-way delay: 114.512 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.83 Mbit/s
95th percentile per-packet one-way delay: 114.583 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 114.469 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 114.151 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link



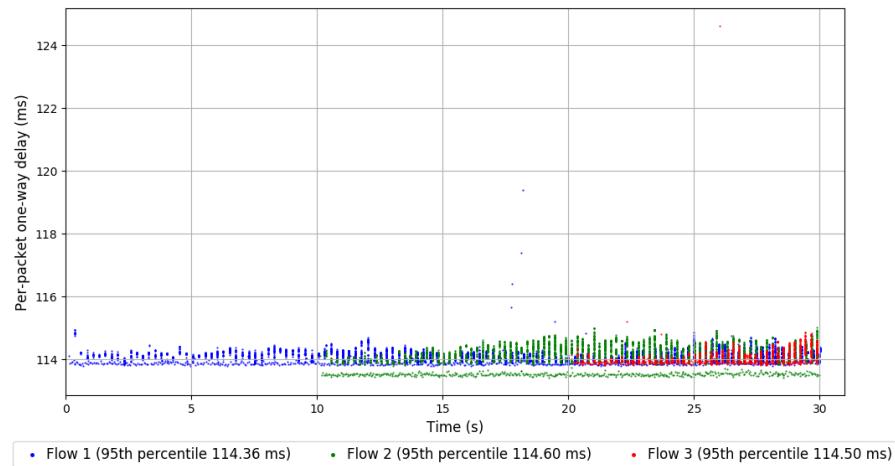
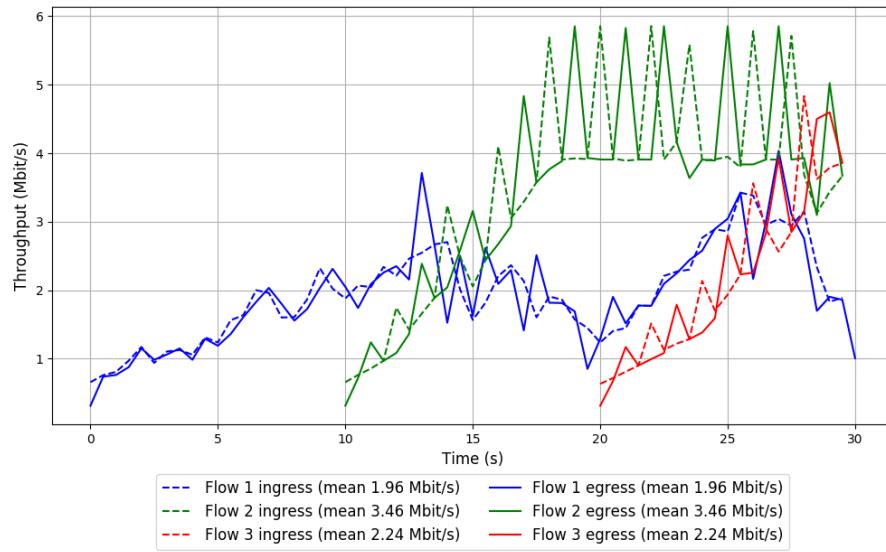
Run 3: Statistics of Sprout

Start at: 2017-10-12 06:16:44

End at: 2017-10-12 06:17:14

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.00 Mbit/s
95th percentile per-packet one-way delay: 114.548 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 114.358 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 114.597 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 114.505 ms
Loss rate: 0.00%
```

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



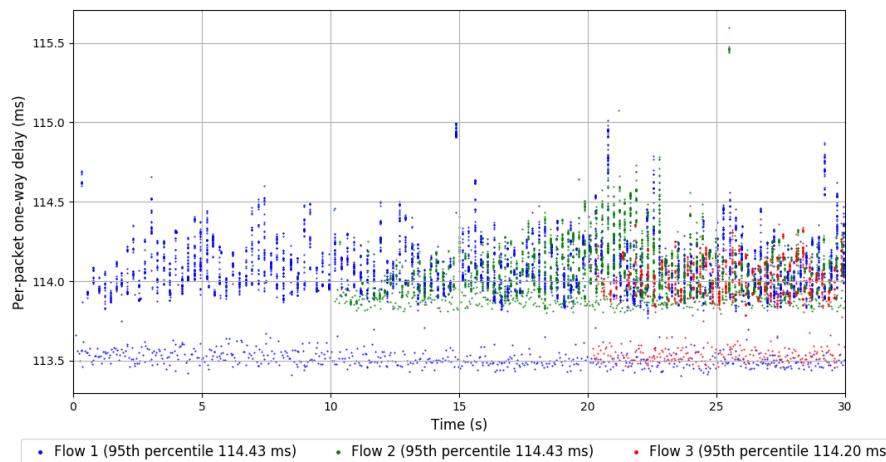
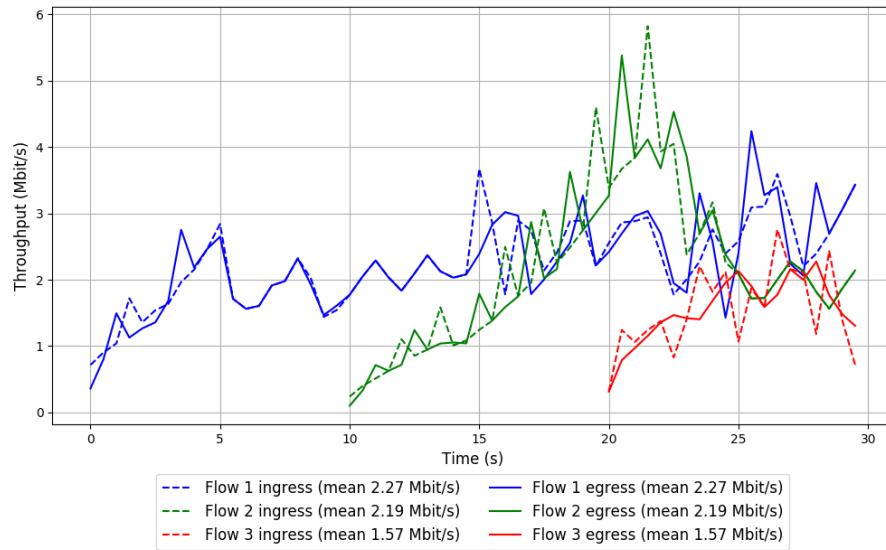
Run 4: Statistics of Sprout

Start at: 2017-10-12 06:30:15

End at: 2017-10-12 06:30:45

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 114.407 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 114.434 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 114.429 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 114.202 ms
Loss rate: 0.00%
```

## Run 4: Report of Sprout — Data Link



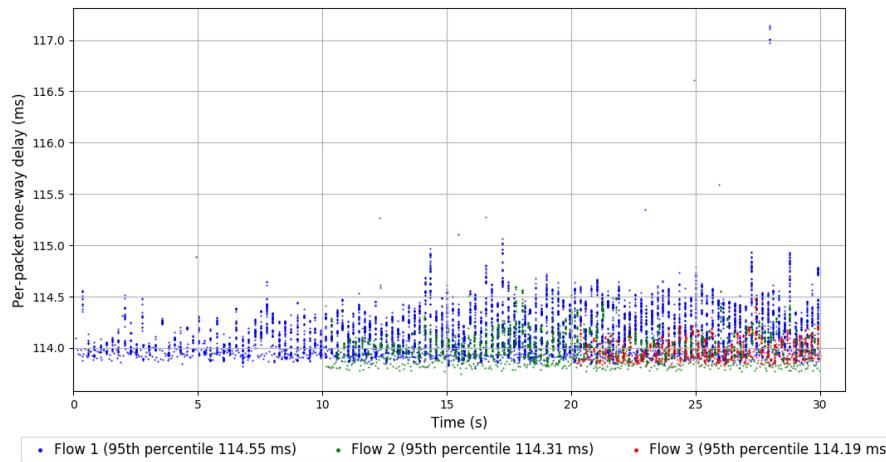
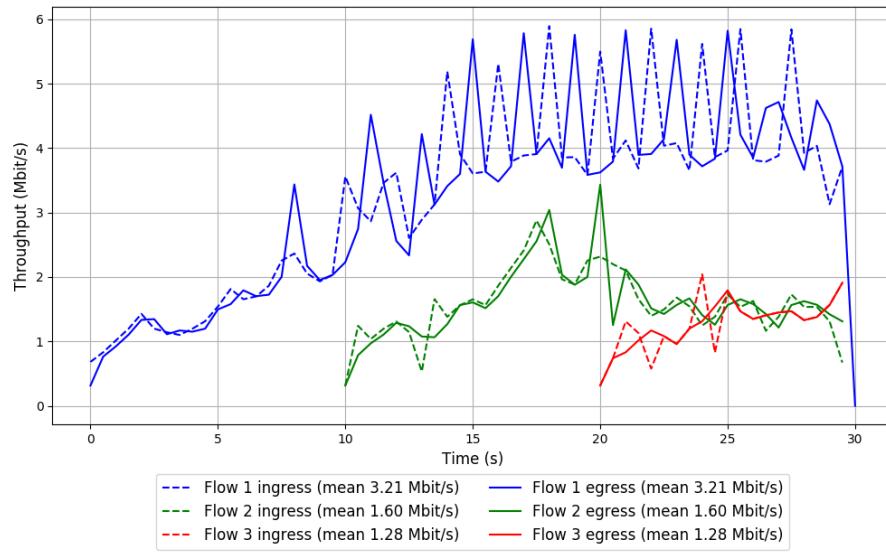
Run 5: Statistics of Sprout

Start at: 2017-10-12 06:43:38

End at: 2017-10-12 06:44:08

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 114.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.21 Mbit/s
95th percentile per-packet one-way delay: 114.550 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 114.313 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 114.185 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



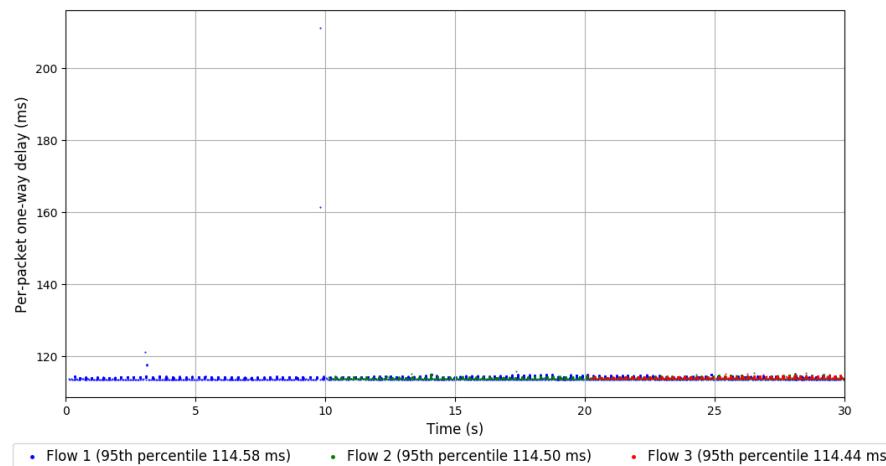
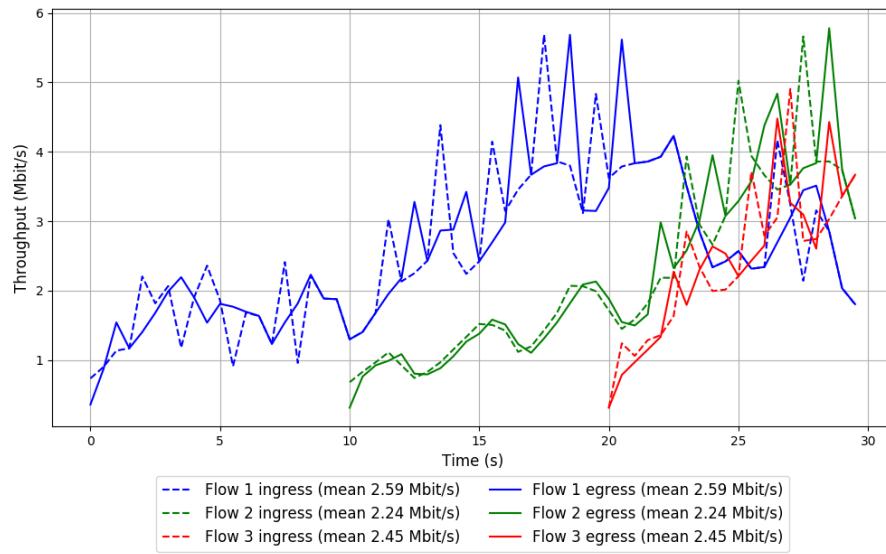
Run 6: Statistics of Sprout

Start at: 2017-10-12 06:57:05

End at: 2017-10-12 06:57:35

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 114.522 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 114.581 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 114.496 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 114.438 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link



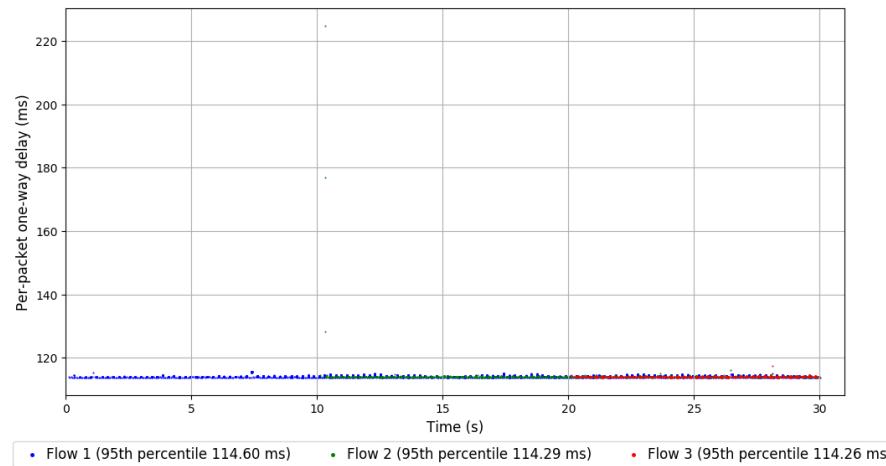
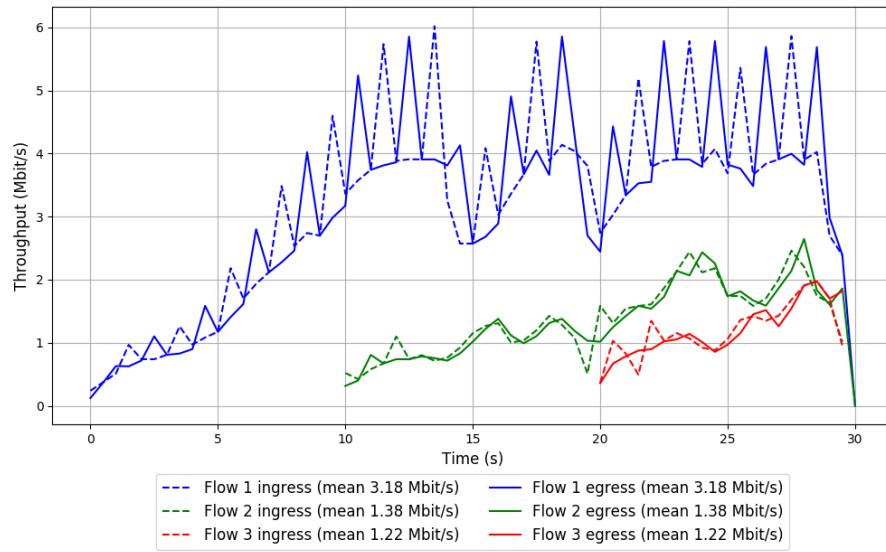
Run 7: Statistics of Sprout

Start at: 2017-10-12 07:10:34

End at: 2017-10-12 07:11:04

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 114.535 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 114.602 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 114.286 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 114.264 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link



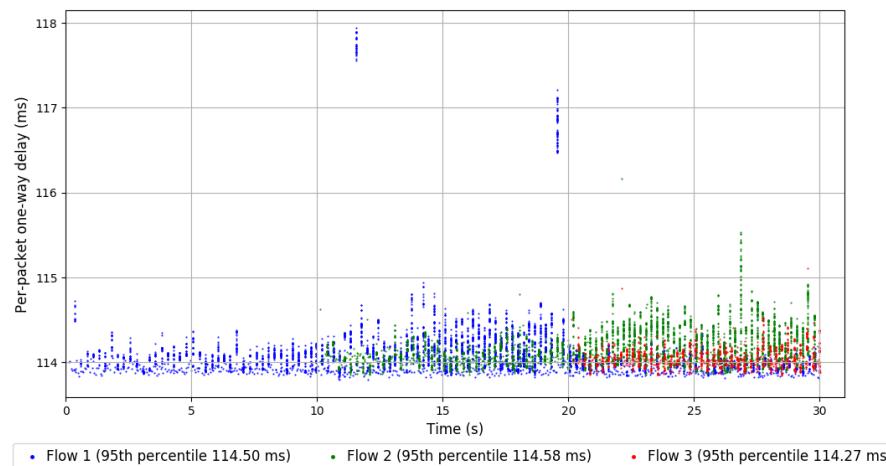
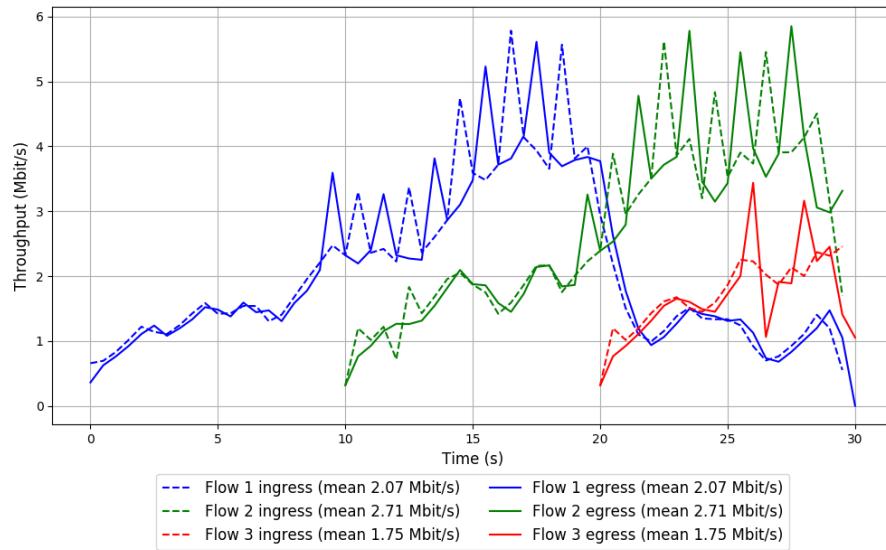
Run 8: Statistics of Sprout

Start at: 2017-10-12 07:23:48

End at: 2017-10-12 07:24:18

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 114.521 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 114.505 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 114.580 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 114.266 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link



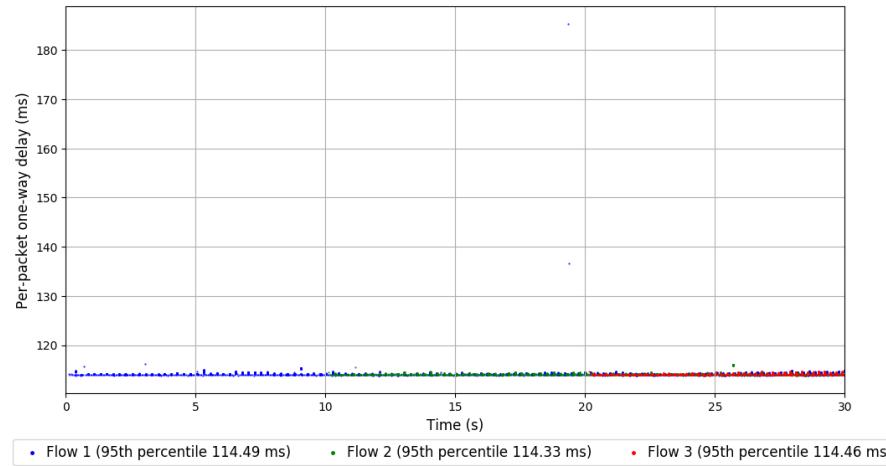
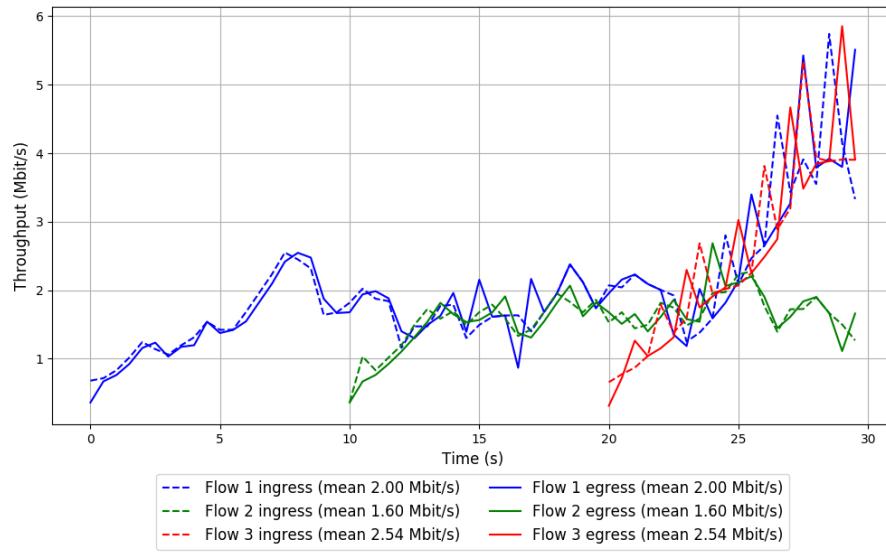
Run 9: Statistics of Sprout

Start at: 2017-10-12 07:37:25

End at: 2017-10-12 07:37:55

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 114.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 114.492 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 114.325 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 114.464 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link



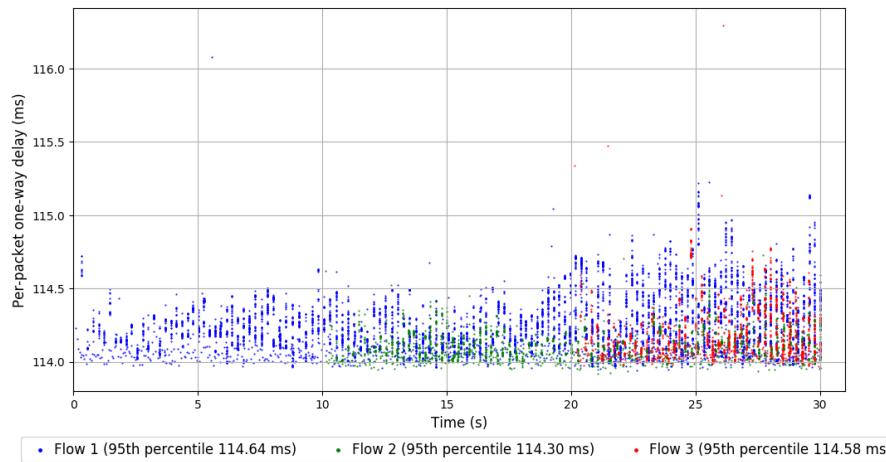
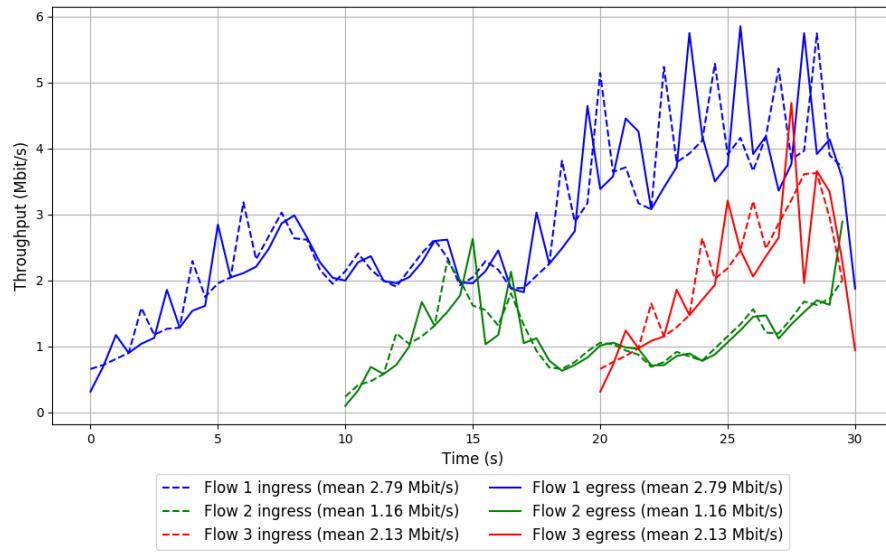
Run 10: Statistics of Sprout

Start at: 2017-10-12 07:51:00

End at: 2017-10-12 07:51:30

```
# Below is generated by plot.py at 2017-10-12 09:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 114.602 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 114.639 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 114.303 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 114.584 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link



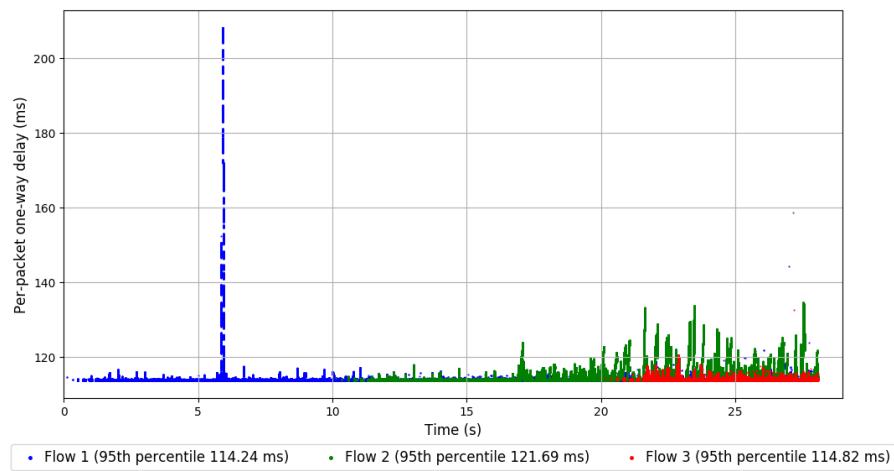
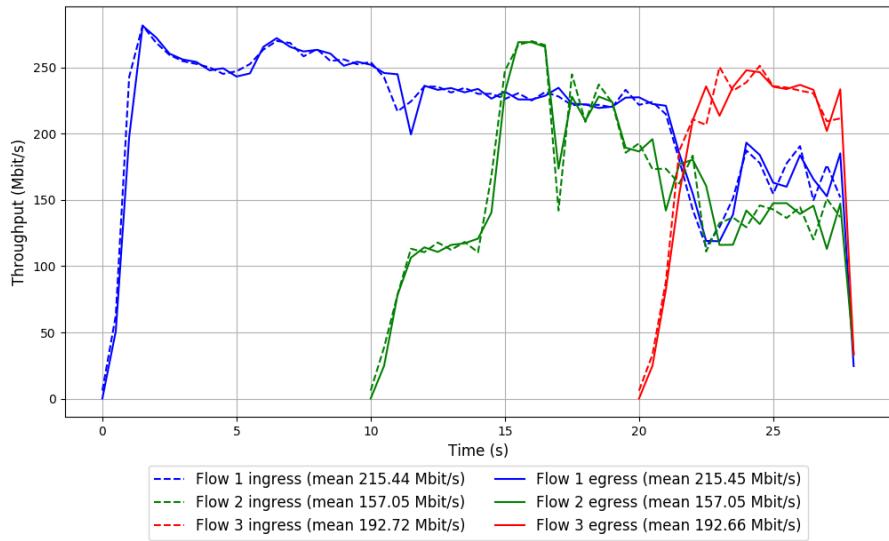
Run 1: Statistics of TaoVA-100x

Start at: 2017-10-12 05:55:07

End at: 2017-10-12 05:55:37

```
# Below is generated by plot.py at 2017-10-12 09:17:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 370.94 Mbit/s
95th percentile per-packet one-way delay: 116.661 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 215.45 Mbit/s
95th percentile per-packet one-way delay: 114.240 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 157.05 Mbit/s
95th percentile per-packet one-way delay: 121.694 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 192.66 Mbit/s
95th percentile per-packet one-way delay: 114.824 ms
Loss rate: 0.04%
```

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



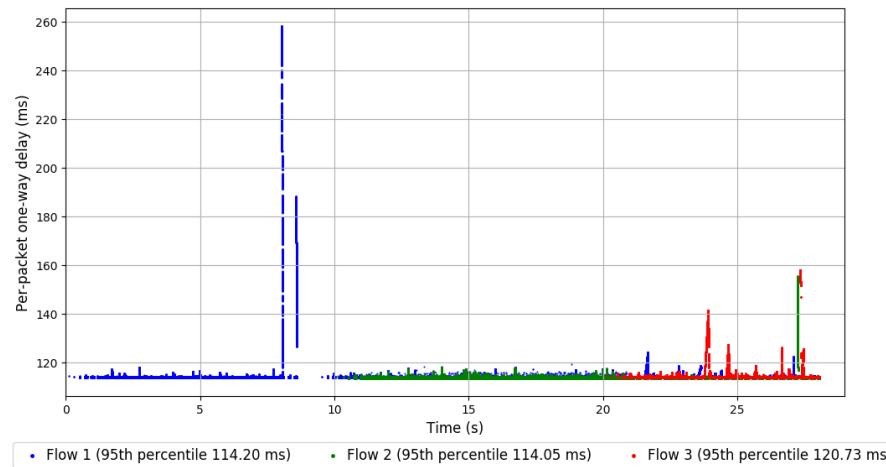
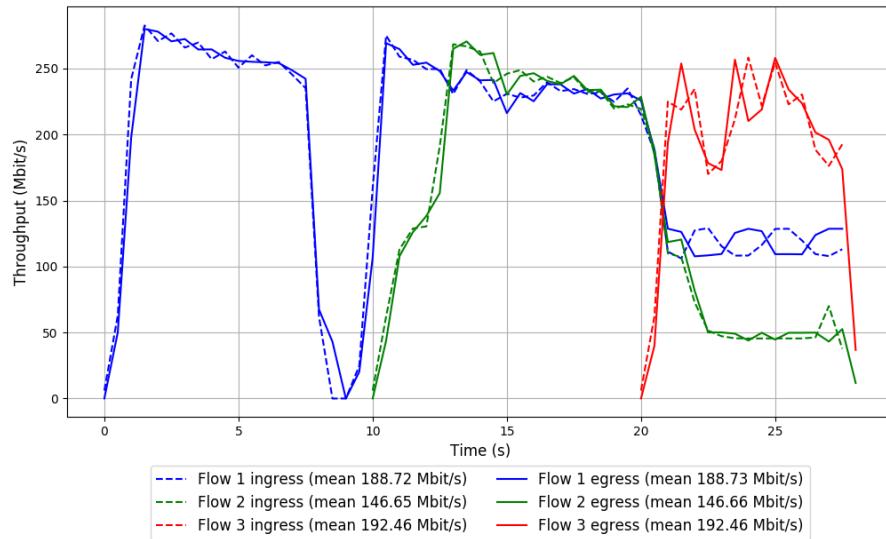
Run 2: Statistics of TaoVA-100x

Start at: 2017-10-12 06:08:35

End at: 2017-10-12 06:09:05

```
# Below is generated by plot.py at 2017-10-12 09:17:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 337.00 Mbit/s
95th percentile per-packet one-way delay: 114.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.73 Mbit/s
95th percentile per-packet one-way delay: 114.203 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 146.66 Mbit/s
95th percentile per-packet one-way delay: 114.046 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 192.46 Mbit/s
95th percentile per-packet one-way delay: 120.735 ms
Loss rate: 0.02%
```

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



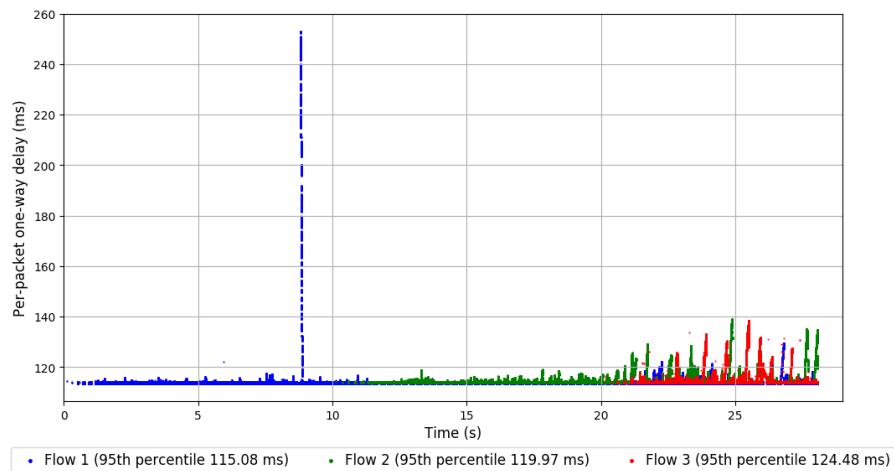
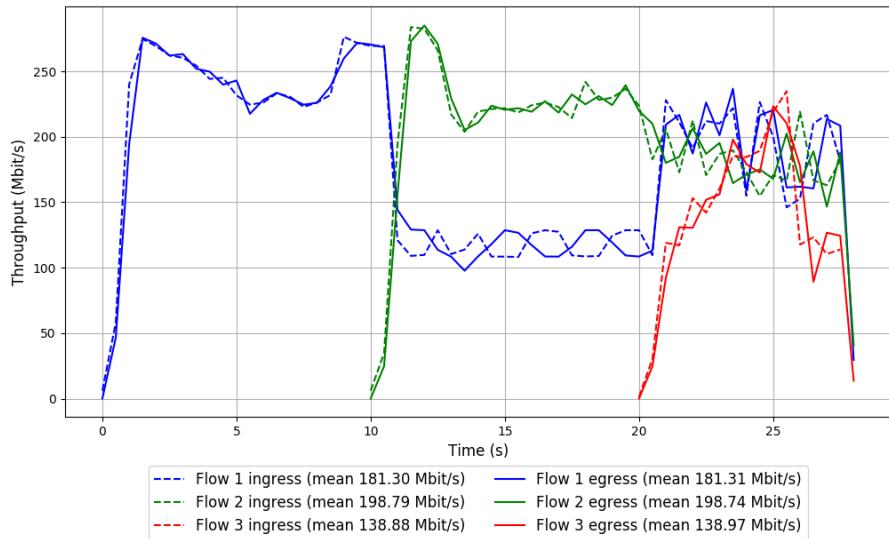
Run 3: Statistics of TaoVA-100x

Start at: 2017-10-12 06:22:04

End at: 2017-10-12 06:22:34

```
# Below is generated by plot.py at 2017-10-12 09:17:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.10 Mbit/s
95th percentile per-packet one-way delay: 118.032 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 181.31 Mbit/s
95th percentile per-packet one-way delay: 115.075 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 198.74 Mbit/s
95th percentile per-packet one-way delay: 119.974 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 138.97 Mbit/s
95th percentile per-packet one-way delay: 124.485 ms
Loss rate: 0.00%
```

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



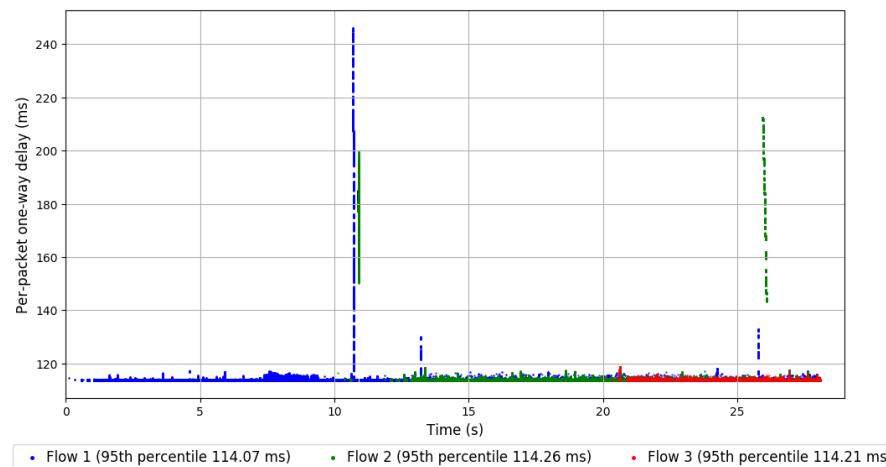
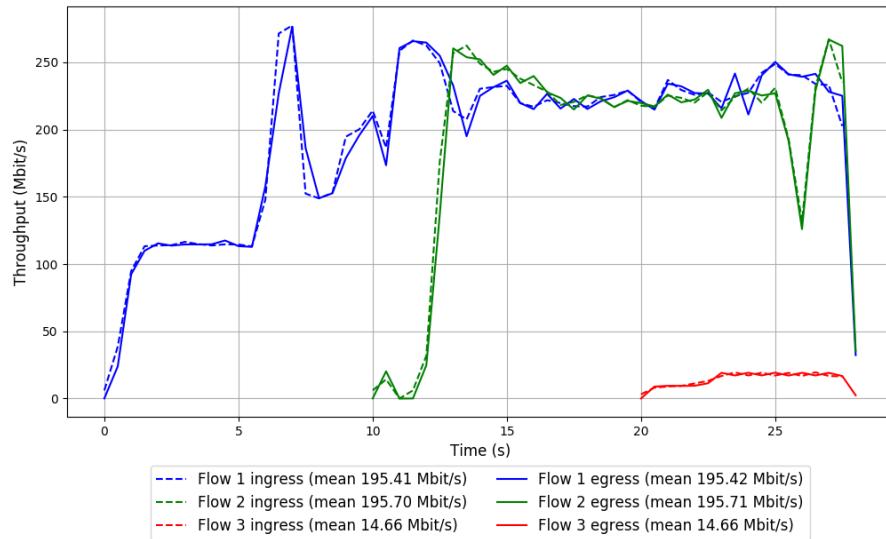
Run 4: Statistics of TaoVA-100x

Start at: 2017-10-12 06:35:32

End at: 2017-10-12 06:36:02

```
# Below is generated by plot.py at 2017-10-12 09:17:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 325.20 Mbit/s
95th percentile per-packet one-way delay: 114.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.42 Mbit/s
95th percentile per-packet one-way delay: 114.073 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 195.71 Mbit/s
95th percentile per-packet one-way delay: 114.261 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.66 Mbit/s
95th percentile per-packet one-way delay: 114.206 ms
Loss rate: 0.00%
```

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



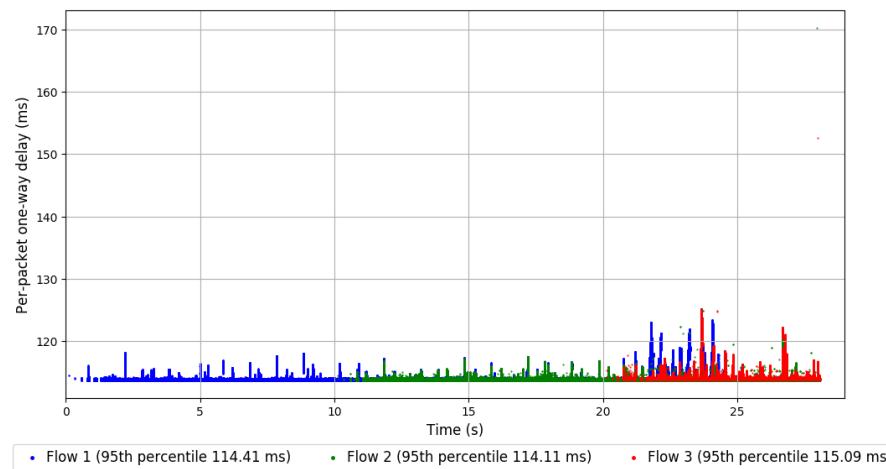
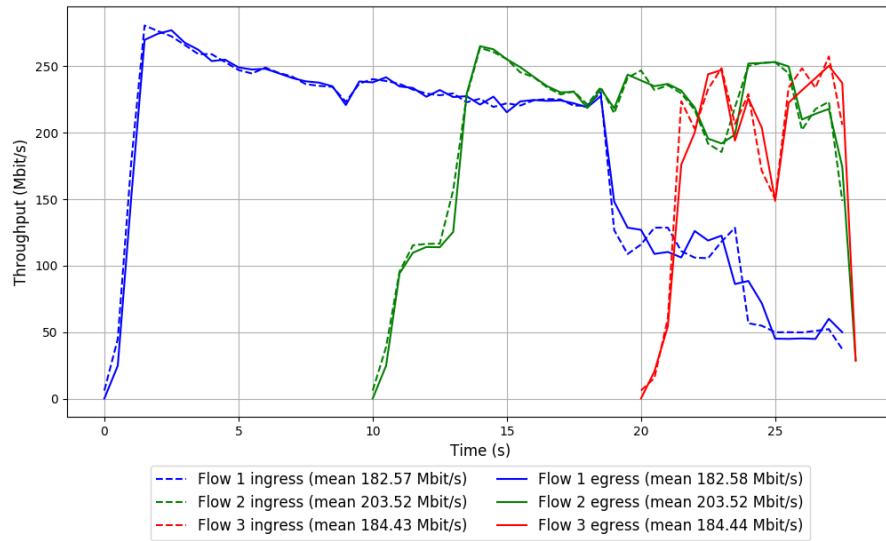
Run 5: Statistics of TaoVA-100x

Start at: 2017-10-12 06:48:56

End at: 2017-10-12 06:49:26

```
# Below is generated by plot.py at 2017-10-12 09:17:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 364.63 Mbit/s
95th percentile per-packet one-way delay: 114.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.58 Mbit/s
95th percentile per-packet one-way delay: 114.414 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 203.52 Mbit/s
95th percentile per-packet one-way delay: 114.106 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 184.44 Mbit/s
95th percentile per-packet one-way delay: 115.091 ms
Loss rate: 0.00%
```

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



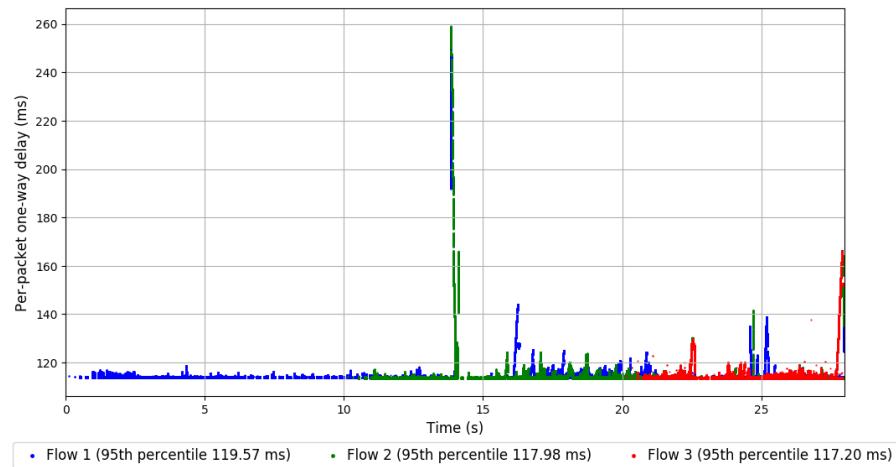
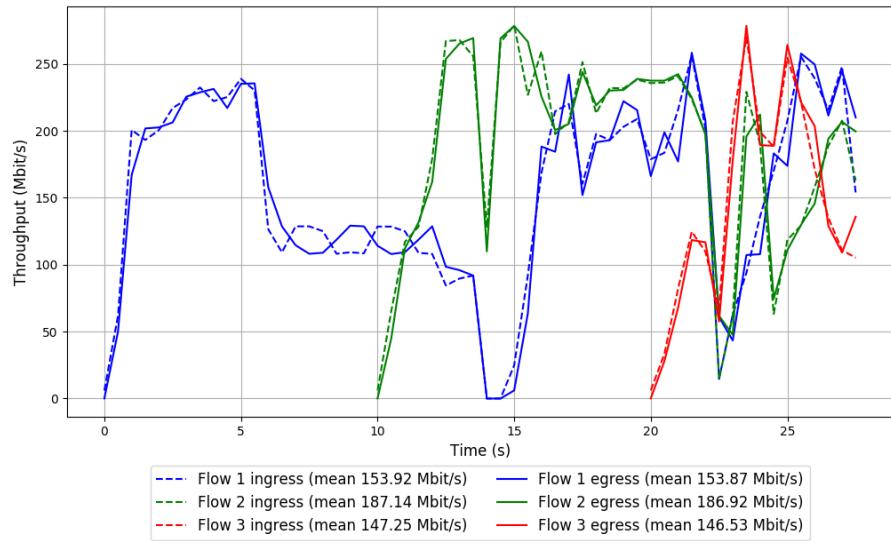
Run 6: Statistics of TaoVA-100x

Start at: 2017-10-12 07:02:29

End at: 2017-10-12 07:02:59

```
# Below is generated by plot.py at 2017-10-12 09:17:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 314.61 Mbit/s
95th percentile per-packet one-way delay: 118.527 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 153.87 Mbit/s
95th percentile per-packet one-way delay: 119.569 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 186.92 Mbit/s
95th percentile per-packet one-way delay: 117.978 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 146.53 Mbit/s
95th percentile per-packet one-way delay: 117.197 ms
Loss rate: 0.00%
```

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



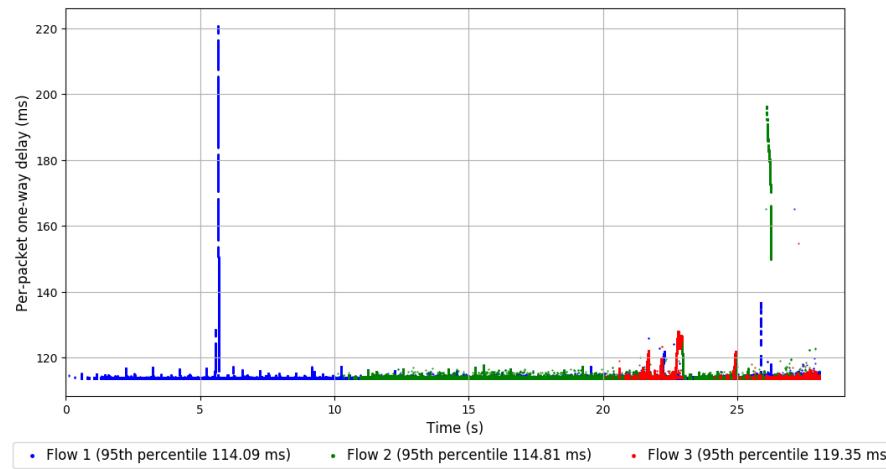
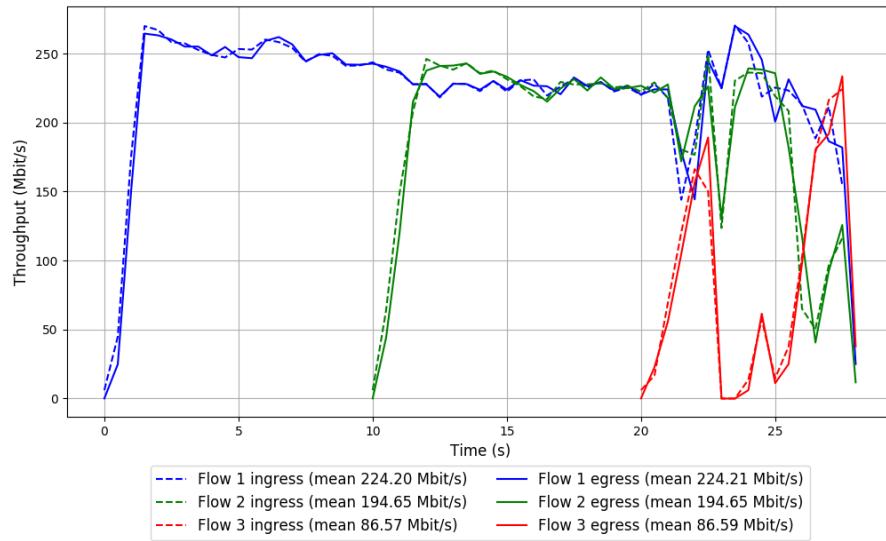
Run 7: Statistics of TaoVA-100x

Start at: 2017-10-12 07:15:38

End at: 2017-10-12 07:16:08

```
# Below is generated by plot.py at 2017-10-12 09:23:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 373.73 Mbit/s
95th percentile per-packet one-way delay: 114.471 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.21 Mbit/s
95th percentile per-packet one-way delay: 114.094 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 194.65 Mbit/s
95th percentile per-packet one-way delay: 114.808 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 86.59 Mbit/s
95th percentile per-packet one-way delay: 119.348 ms
Loss rate: 0.00%
```

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



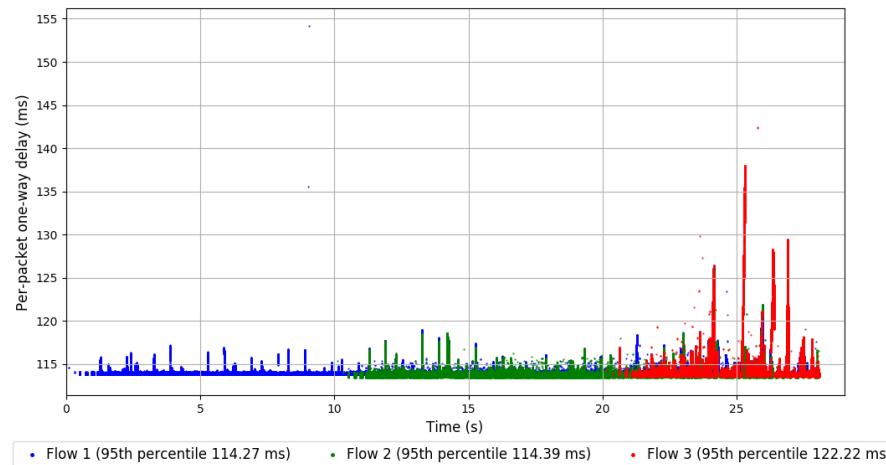
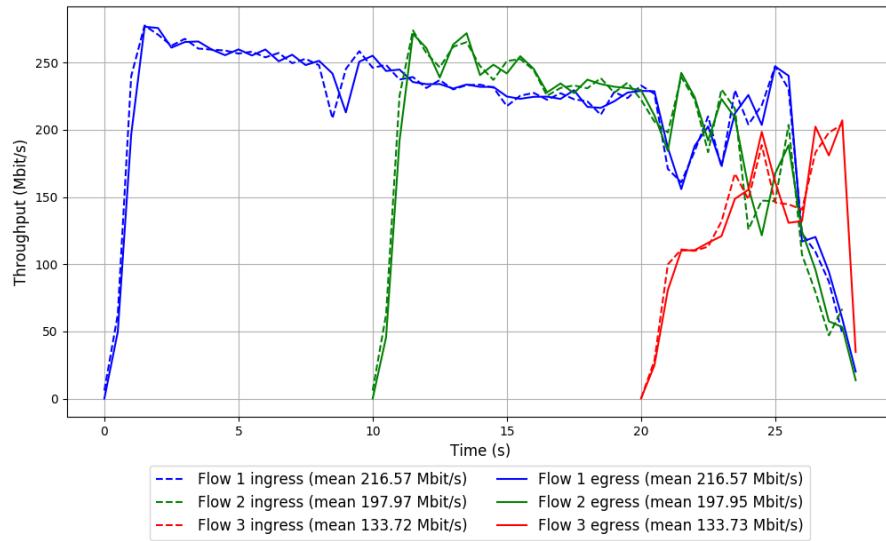
Run 8: Statistics of TaoVA-100x

Start at: 2017-10-12 07:29:09

End at: 2017-10-12 07:29:39

```
# Below is generated by plot.py at 2017-10-12 09:24:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 381.17 Mbit/s
95th percentile per-packet one-way delay: 114.703 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.57 Mbit/s
95th percentile per-packet one-way delay: 114.268 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 197.95 Mbit/s
95th percentile per-packet one-way delay: 114.389 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 133.73 Mbit/s
95th percentile per-packet one-way delay: 122.221 ms
Loss rate: 0.00%
```

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



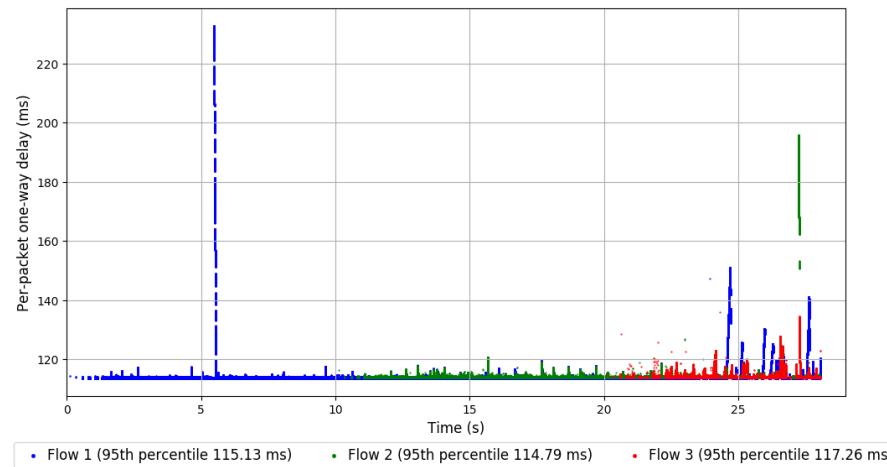
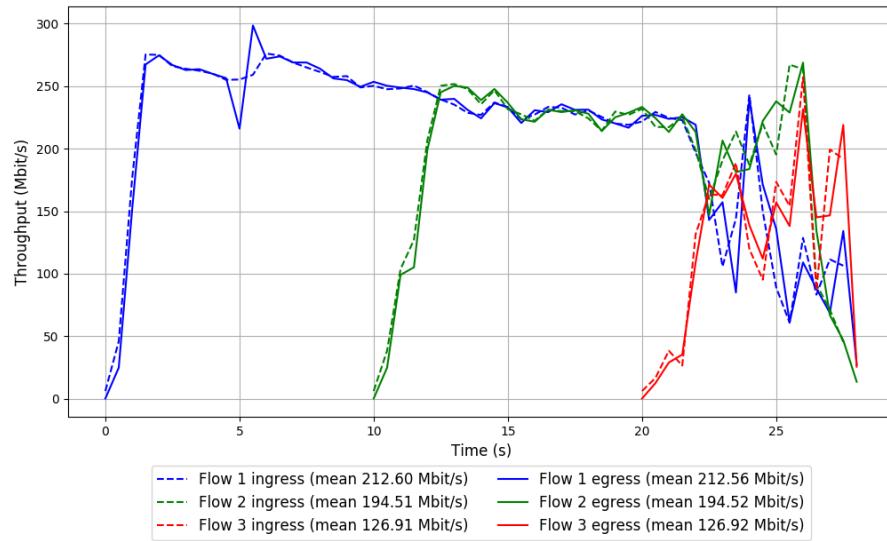
Run 9: Statistics of TaoVA-100x

Start at: 2017-10-12 07:42:38

End at: 2017-10-12 07:43:08

```
# Below is generated by plot.py at 2017-10-12 09:27:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 373.37 Mbit/s
95th percentile per-packet one-way delay: 115.473 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 212.56 Mbit/s
95th percentile per-packet one-way delay: 115.133 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 194.52 Mbit/s
95th percentile per-packet one-way delay: 114.790 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 126.92 Mbit/s
95th percentile per-packet one-way delay: 117.258 ms
Loss rate: 0.00%
```

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



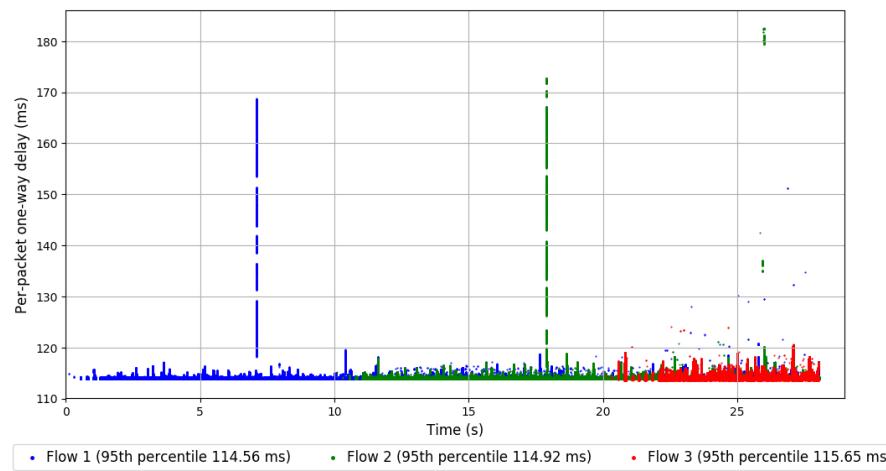
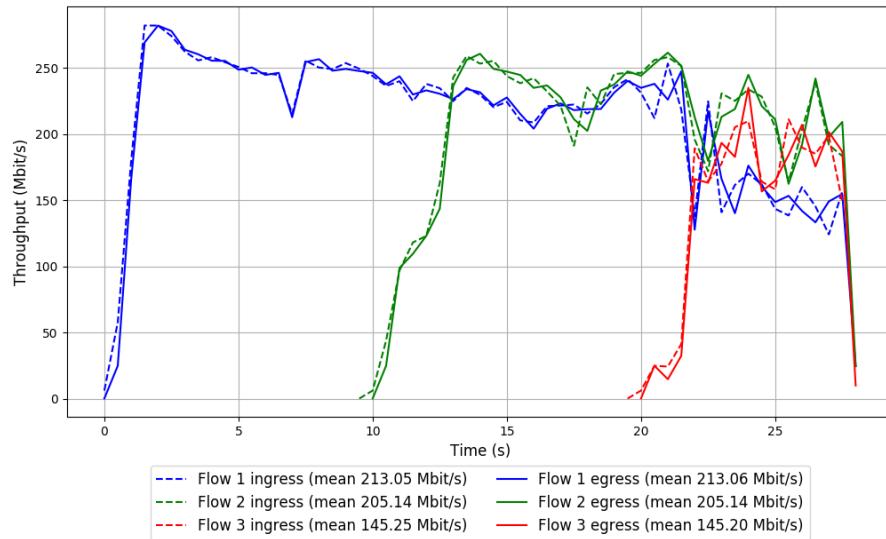
Run 10: Statistics of TaoVA-100x

Start at: 2017-10-12 07:56:25

End at: 2017-10-12 07:56:55

```
# Below is generated by plot.py at 2017-10-12 09:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 386.00 Mbit/s
95th percentile per-packet one-way delay: 114.873 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.06 Mbit/s
95th percentile per-packet one-way delay: 114.564 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 205.14 Mbit/s
95th percentile per-packet one-way delay: 114.916 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 145.20 Mbit/s
95th percentile per-packet one-way delay: 115.648 ms
Loss rate: 0.00%
```

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



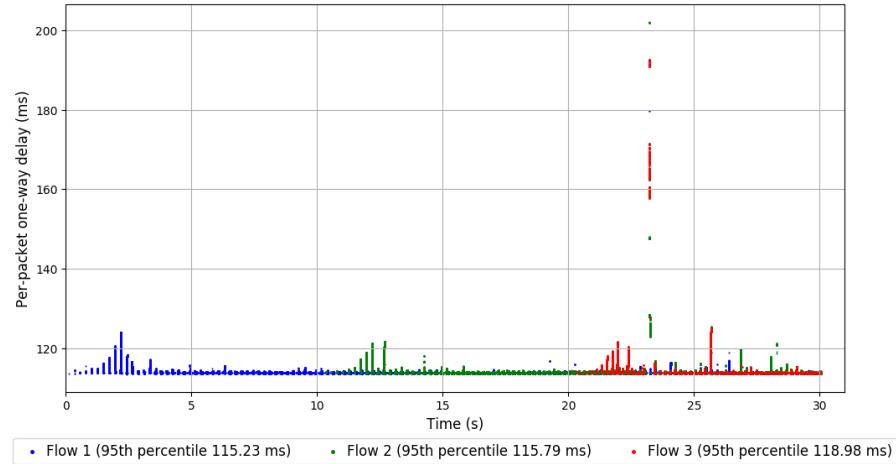
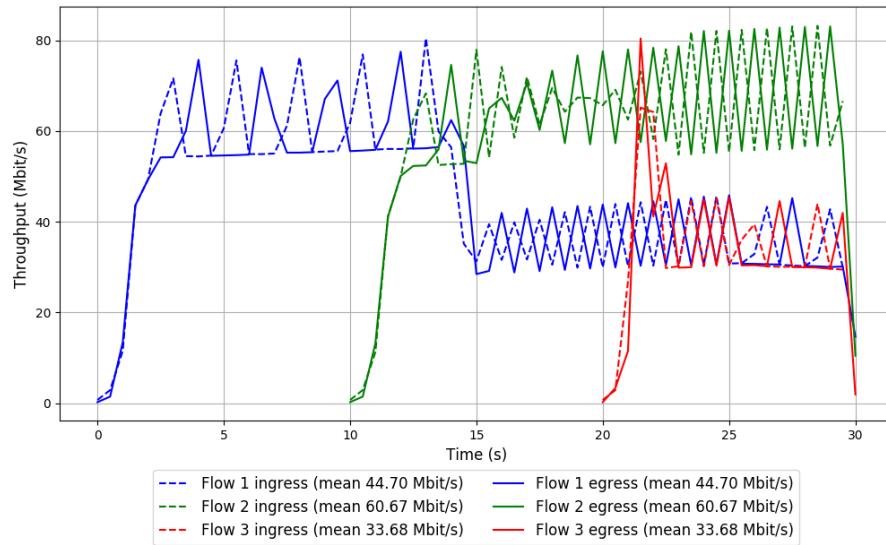
Run 1: Statistics of TCP Vegas

Start at: 2017-10-12 05:53:22

End at: 2017-10-12 05:53:52

```
# Below is generated by plot.py at 2017-10-12 09:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 115.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.70 Mbit/s
95th percentile per-packet one-way delay: 115.235 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.67 Mbit/s
95th percentile per-packet one-way delay: 115.791 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 118.981 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link



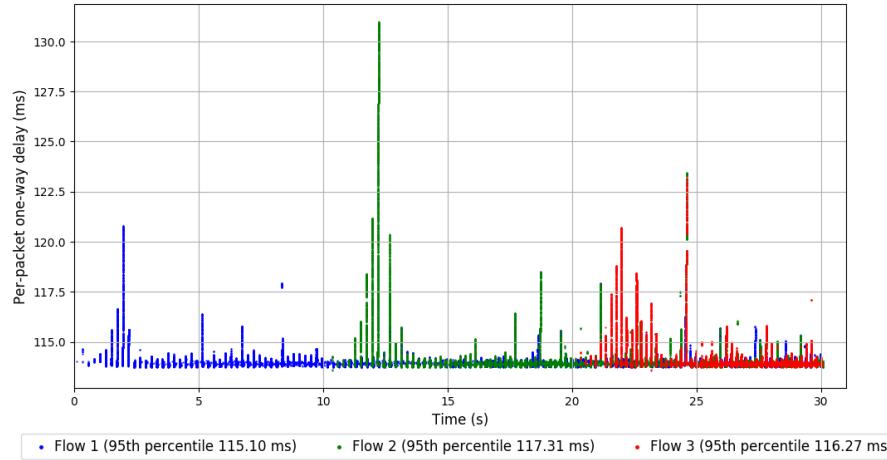
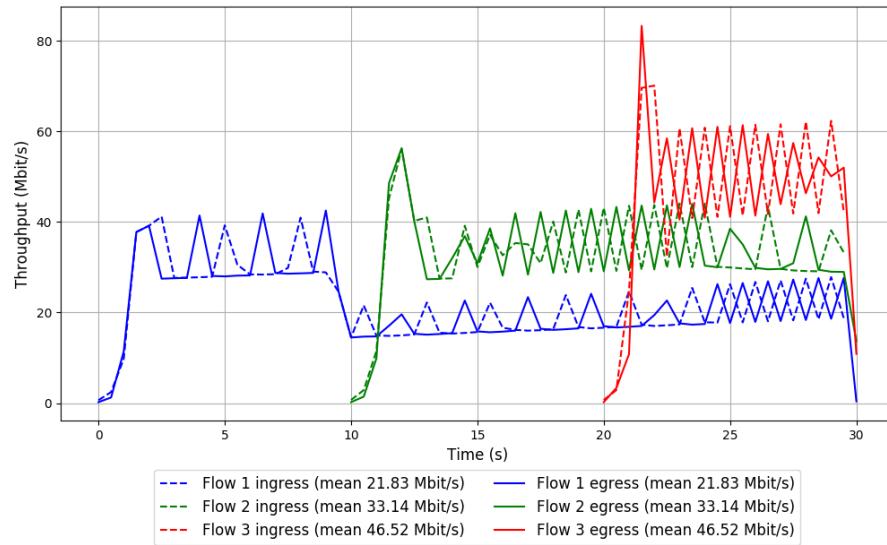
Run 2: Statistics of TCP Vegas

Start at: 2017-10-12 06:06:53

End at: 2017-10-12 06:07:23

```
# Below is generated by plot.py at 2017-10-12 09:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 115.887 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.83 Mbit/s
95th percentile per-packet one-way delay: 115.102 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.14 Mbit/s
95th percentile per-packet one-way delay: 117.313 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.52 Mbit/s
95th percentile per-packet one-way delay: 116.274 ms
Loss rate: 0.00%
```

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



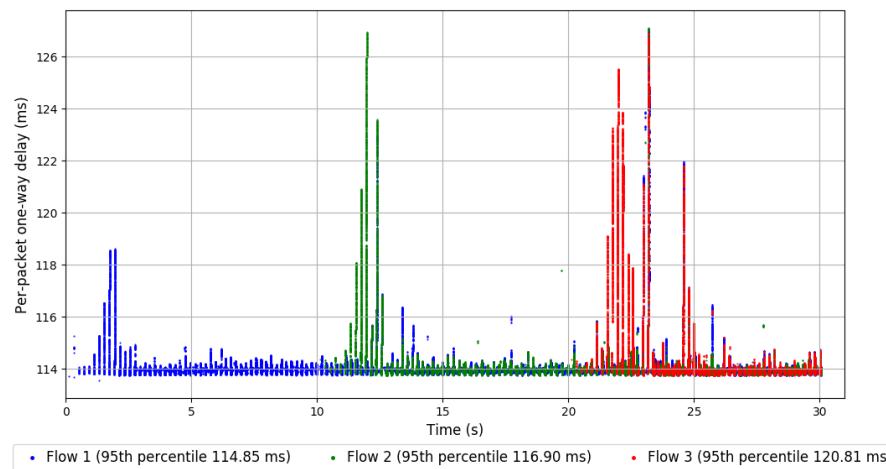
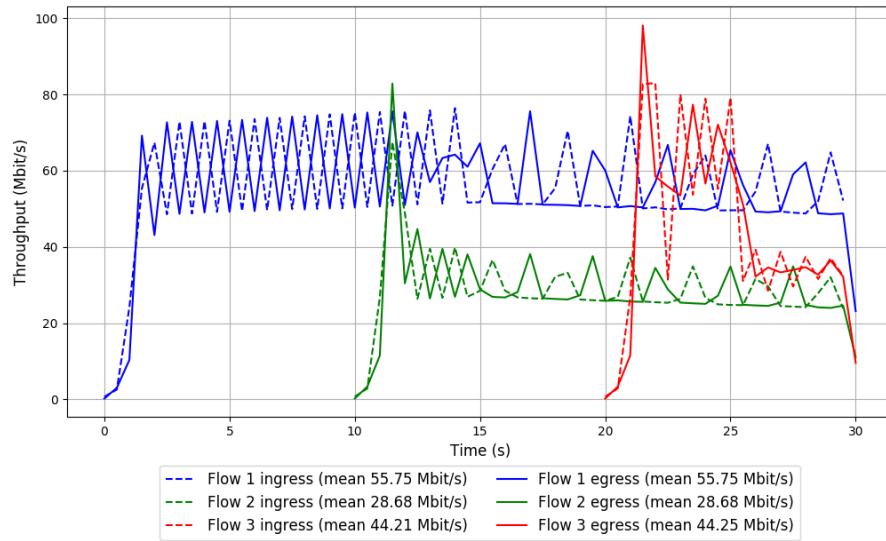
Run 3: Statistics of TCP Vegas

Start at: 2017-10-12 06:20:22

End at: 2017-10-12 06:20:52

```
# Below is generated by plot.py at 2017-10-12 09:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 116.554 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.75 Mbit/s
95th percentile per-packet one-way delay: 114.847 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.68 Mbit/s
95th percentile per-packet one-way delay: 116.897 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.25 Mbit/s
95th percentile per-packet one-way delay: 120.810 ms
Loss rate: 0.01%
```

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



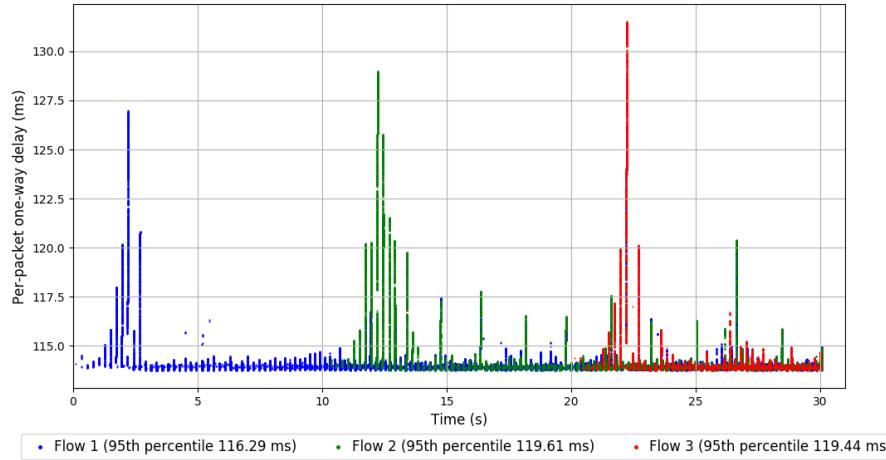
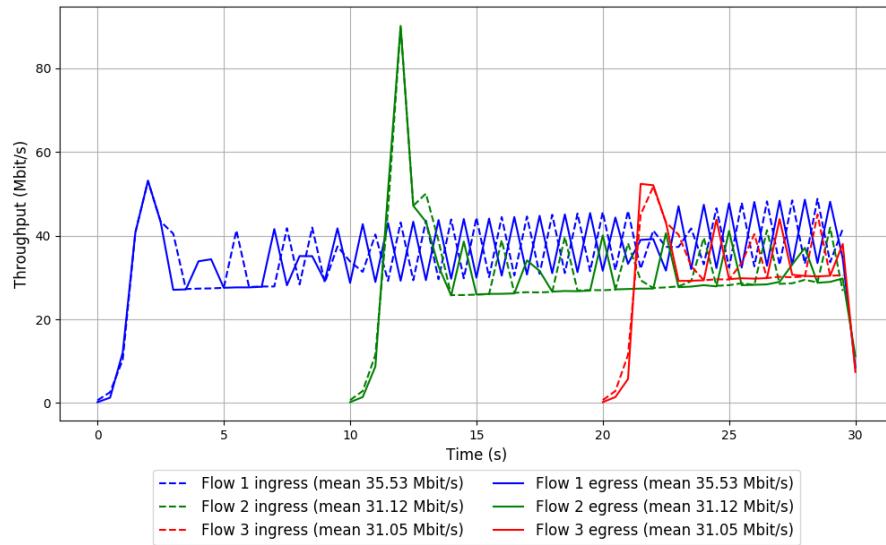
Run 4: Statistics of TCP Vegas

Start at: 2017-10-12 06:33:50

End at: 2017-10-12 06:34:20

```
# Below is generated by plot.py at 2017-10-12 09:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.55 Mbit/s
95th percentile per-packet one-way delay: 117.691 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.53 Mbit/s
95th percentile per-packet one-way delay: 116.293 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 119.610 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 119.444 ms
Loss rate: 0.00%
```

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



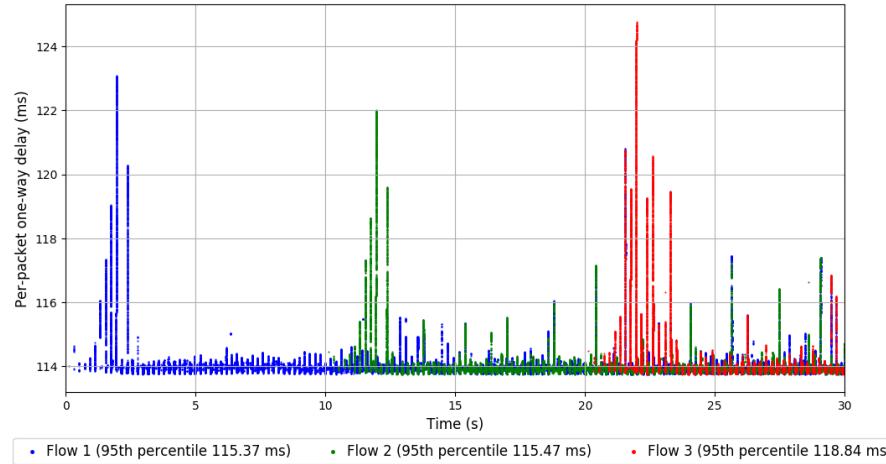
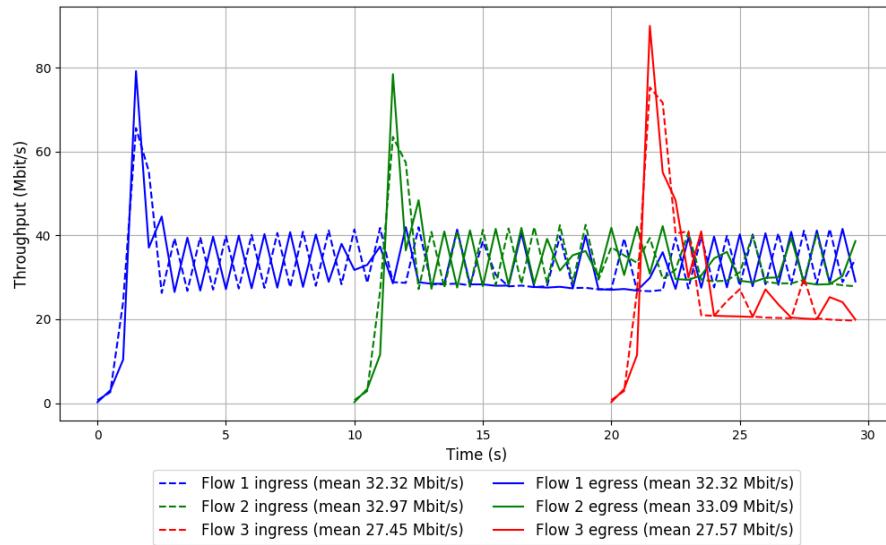
Run 5: Statistics of TCP Vegas

Start at: 2017-10-12 06:47:15

End at: 2017-10-12 06:47:45

```
# Below is generated by plot.py at 2017-10-12 09:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.41 Mbit/s
95th percentile per-packet one-way delay: 116.095 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 115.373 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 115.469 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 27.57 Mbit/s
95th percentile per-packet one-way delay: 118.841 ms
Loss rate: 0.01%
```

Run 5: Report of TCP Vegas — Data Link



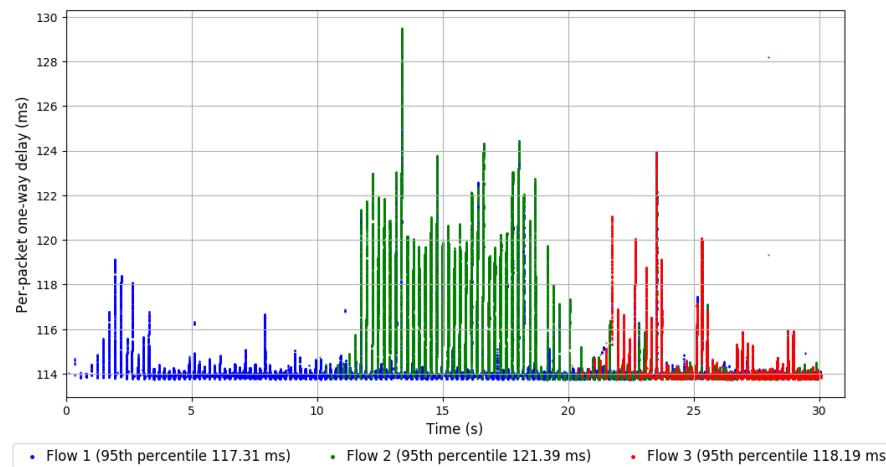
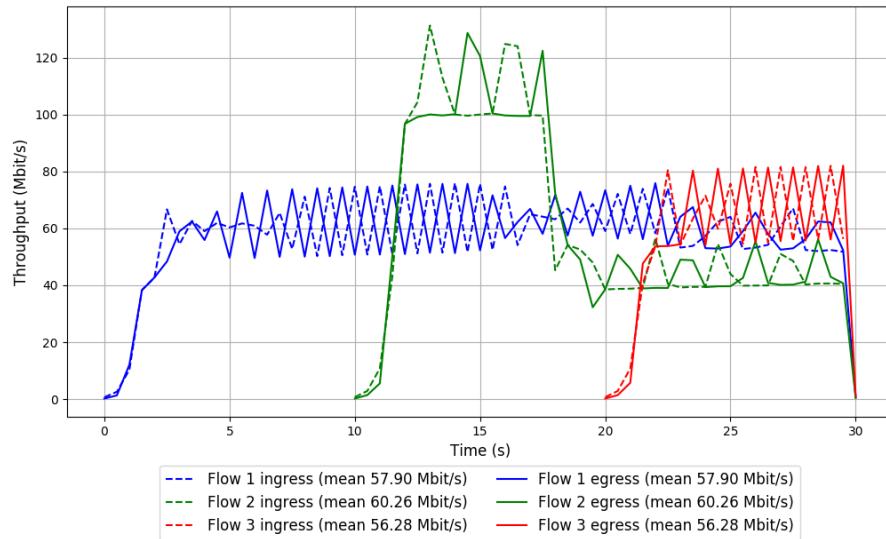
Run 6: Statistics of TCP Vegas

Start at: 2017-10-12 07:00:44

End at: 2017-10-12 07:01:14

```
# Below is generated by plot.py at 2017-10-12 09:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 116.58 Mbit/s
95th percentile per-packet one-way delay: 120.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.90 Mbit/s
95th percentile per-packet one-way delay: 117.309 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.26 Mbit/s
95th percentile per-packet one-way delay: 121.394 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 56.28 Mbit/s
95th percentile per-packet one-way delay: 118.193 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link



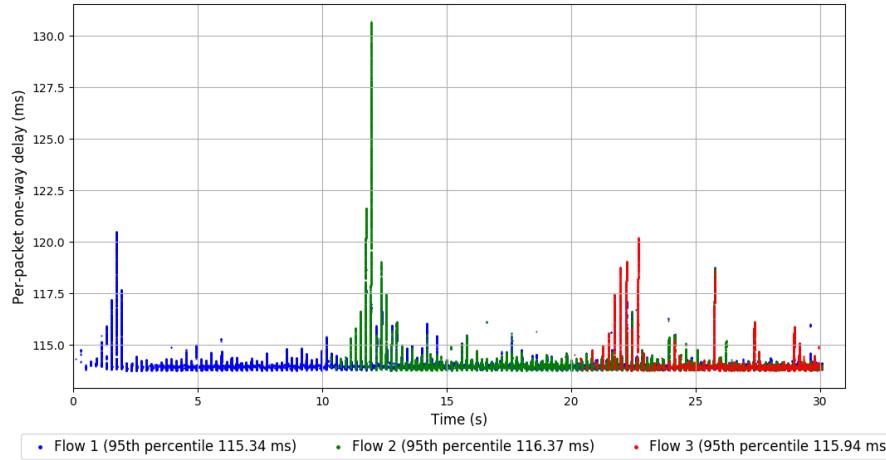
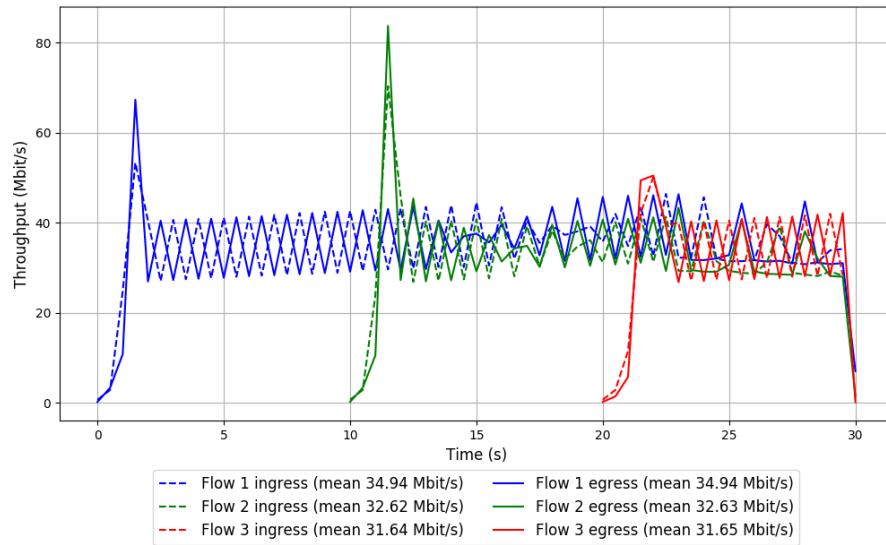
Run 7: Statistics of TCP Vegas

Start at: 2017-10-12 07:13:54

End at: 2017-10-12 07:14:24

```
# Below is generated by plot.py at 2017-10-12 09:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.15 Mbit/s
95th percentile per-packet one-way delay: 115.694 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 115.342 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 116.369 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 115.943 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link



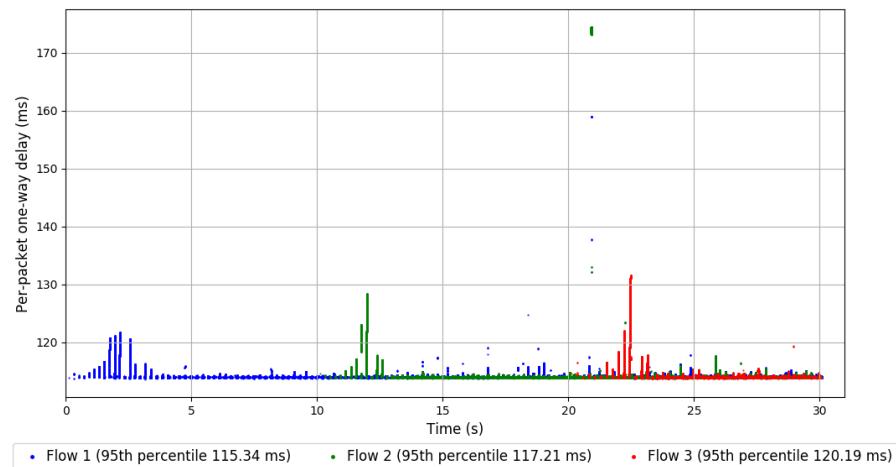
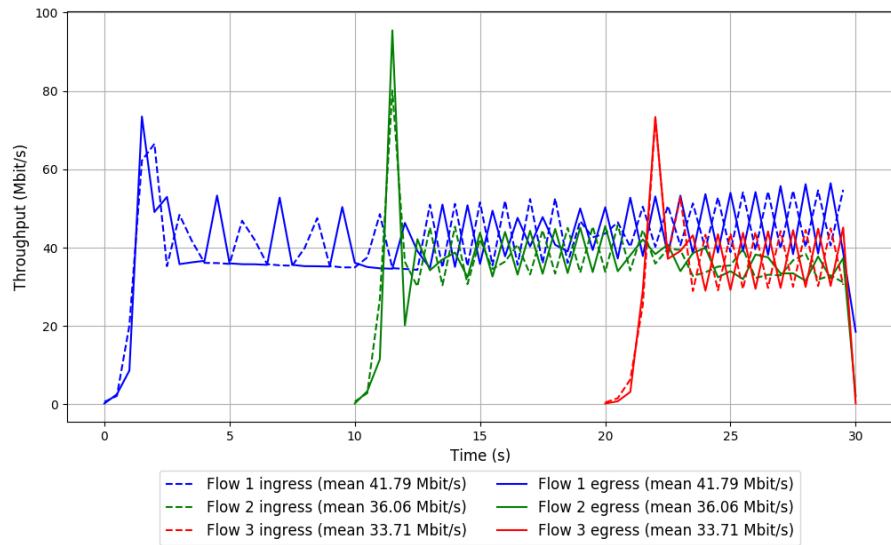
Run 8: Statistics of TCP Vegas

Start at: 2017-10-12 07:27:24

End at: 2017-10-12 07:27:54

```
# Below is generated by plot.py at 2017-10-12 09:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 116.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.79 Mbit/s
95th percentile per-packet one-way delay: 115.344 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.06 Mbit/s
95th percentile per-packet one-way delay: 117.212 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.71 Mbit/s
95th percentile per-packet one-way delay: 120.195 ms
Loss rate: 0.00%
```

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



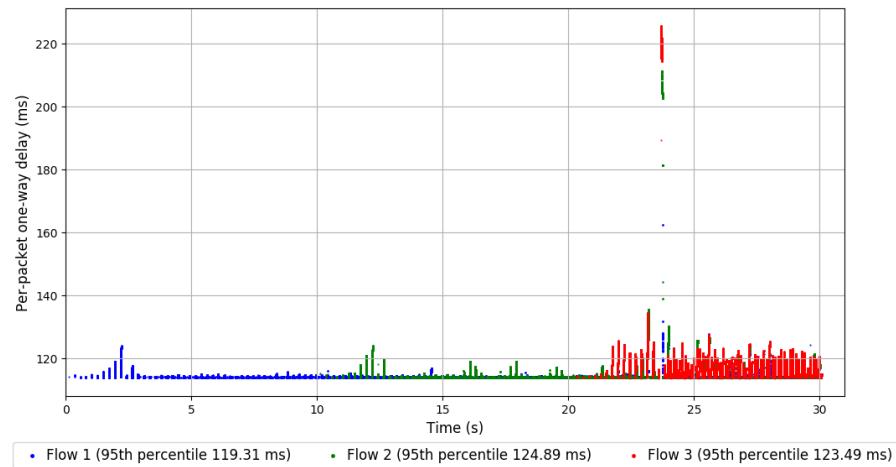
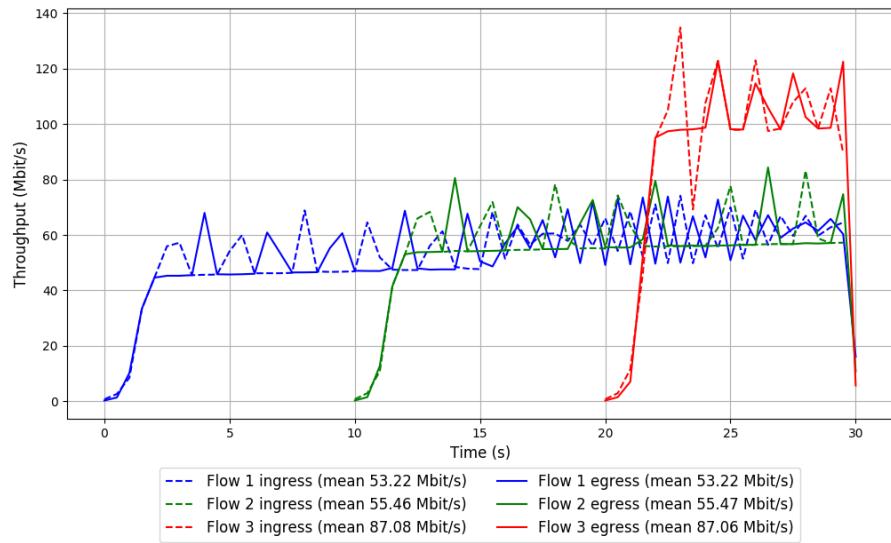
Run 9: Statistics of TCP Vegas

Start at: 2017-10-12 07:40:51

End at: 2017-10-12 07:41:21

```
# Below is generated by plot.py at 2017-10-12 09:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 119.05 Mbit/s
95th percentile per-packet one-way delay: 122.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.22 Mbit/s
95th percentile per-packet one-way delay: 119.305 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.47 Mbit/s
95th percentile per-packet one-way delay: 124.894 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 123.493 ms
Loss rate: 0.02%
```

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



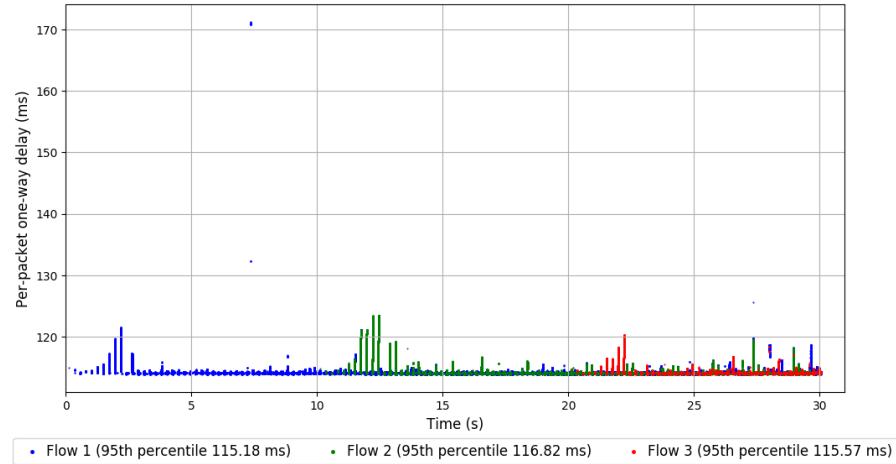
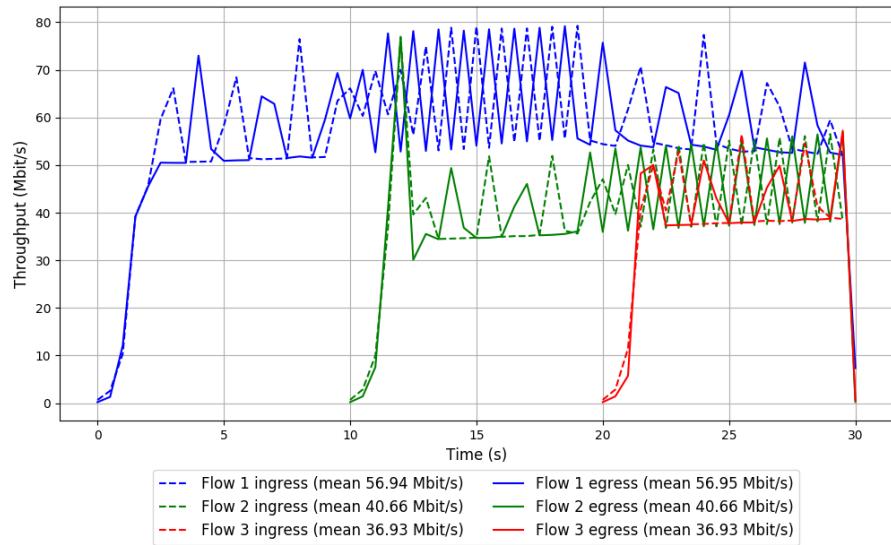
Run 10: Statistics of TCP Vegas

Start at: 2017-10-12 07:54:38

End at: 2017-10-12 07:55:08

```
# Below is generated by plot.py at 2017-10-12 09:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 115.588 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.95 Mbit/s
95th percentile per-packet one-way delay: 115.180 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 116.824 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 115.572 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link



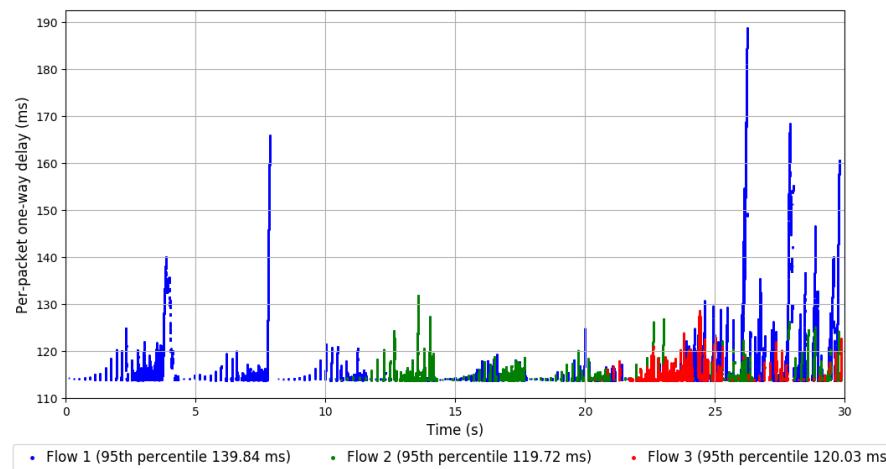
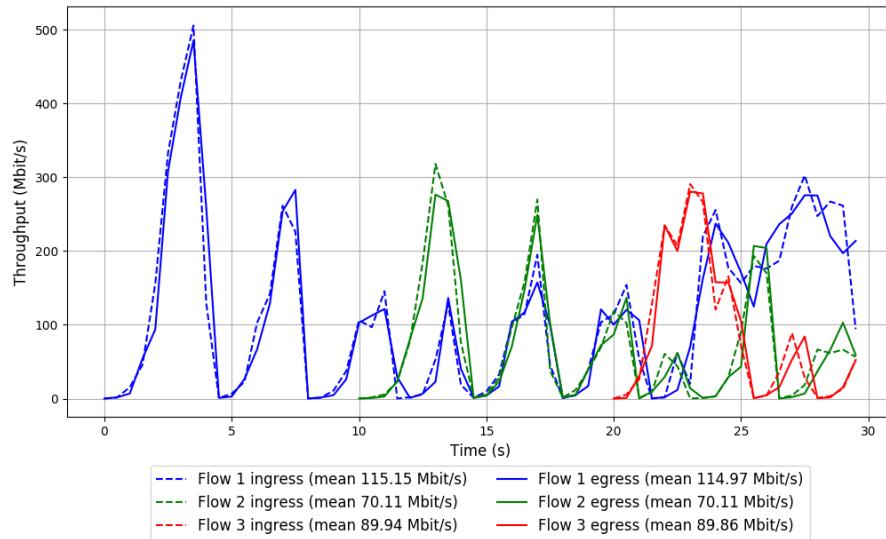
Run 1: Statistics of Verus

Start at: 2017-10-12 05:51:34

End at: 2017-10-12 05:52:04

```
# Below is generated by plot.py at 2017-10-12 09:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 190.42 Mbit/s
95th percentile per-packet one-way delay: 134.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 114.97 Mbit/s
95th percentile per-packet one-way delay: 139.835 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.11 Mbit/s
95th percentile per-packet one-way delay: 119.718 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: 120.031 ms
Loss rate: 0.00%
```

Run 1: Report of Verus — Data Link



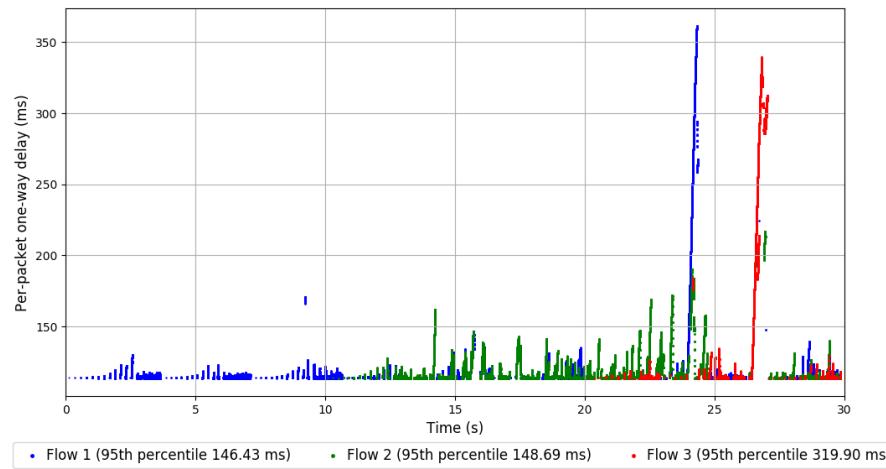
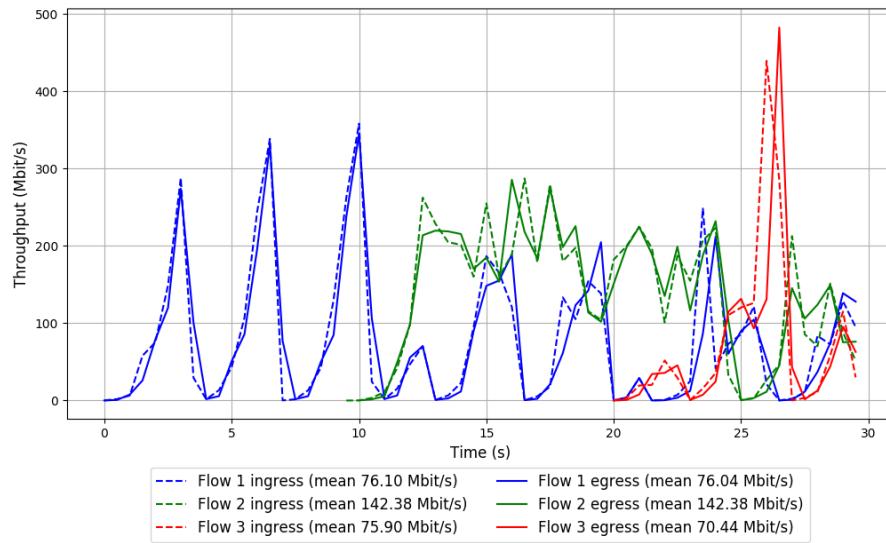
Run 2: Statistics of Verus

Start at: 2017-10-12 06:05:06

End at: 2017-10-12 06:05:36

```
# Below is generated by plot.py at 2017-10-12 09:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 193.32 Mbit/s
95th percentile per-packet one-way delay: 214.018 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 76.04 Mbit/s
95th percentile per-packet one-way delay: 146.431 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 142.38 Mbit/s
95th percentile per-packet one-way delay: 148.695 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.44 Mbit/s
95th percentile per-packet one-way delay: 319.901 ms
Loss rate: 7.17%
```

## Run 2: Report of Verus — Data Link



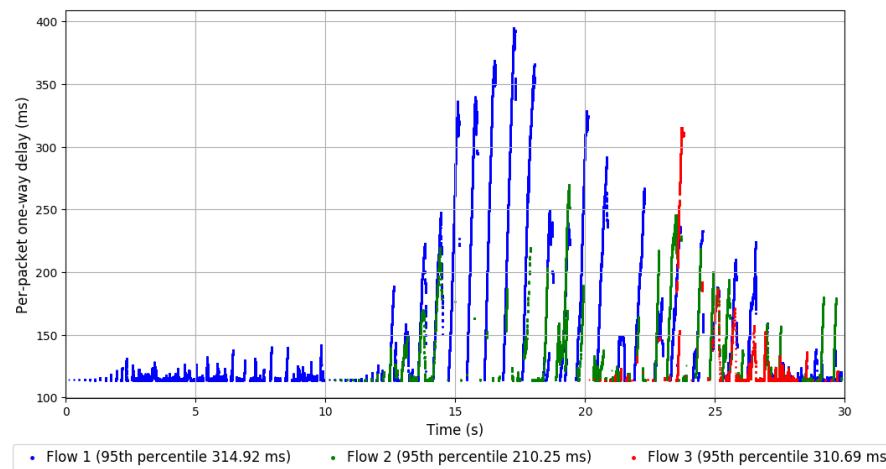
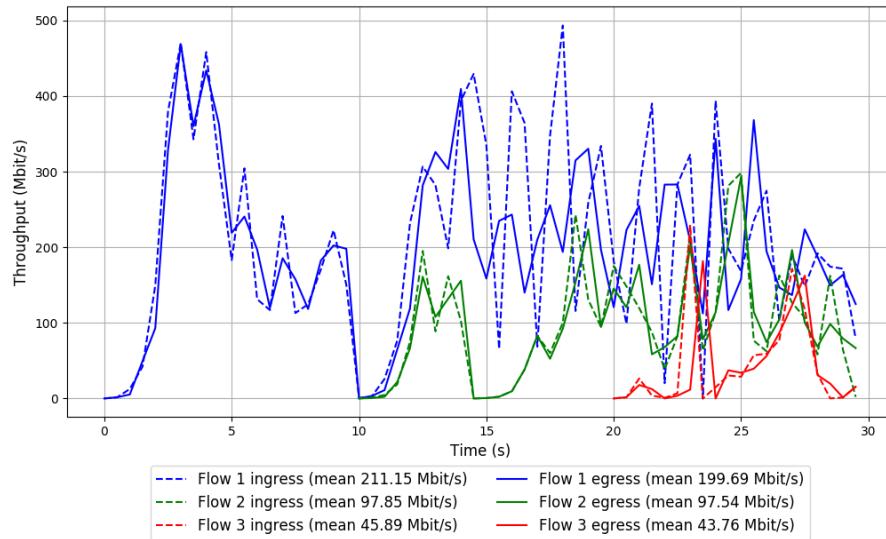
Run 3: Statistics of Verus

Start at: 2017-10-12 06:18:29

End at: 2017-10-12 06:18:59

```
# Below is generated by plot.py at 2017-10-12 09:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 278.39 Mbit/s
95th percentile per-packet one-way delay: 298.483 ms
Loss rate: 4.24%
-- Flow 1:
Average throughput: 199.69 Mbit/s
95th percentile per-packet one-way delay: 314.919 ms
Loss rate: 5.42%
-- Flow 2:
Average throughput: 97.54 Mbit/s
95th percentile per-packet one-way delay: 210.246 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 43.76 Mbit/s
95th percentile per-packet one-way delay: 310.688 ms
Loss rate: 4.56%
```

Run 3: Report of Verus — Data Link



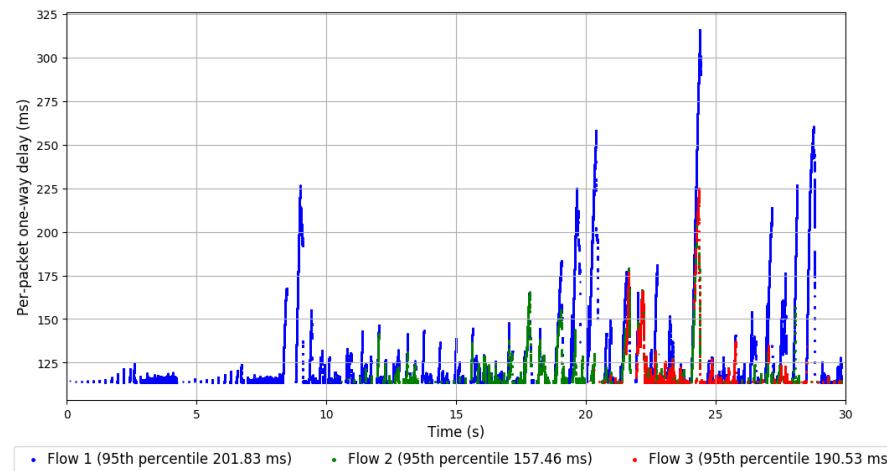
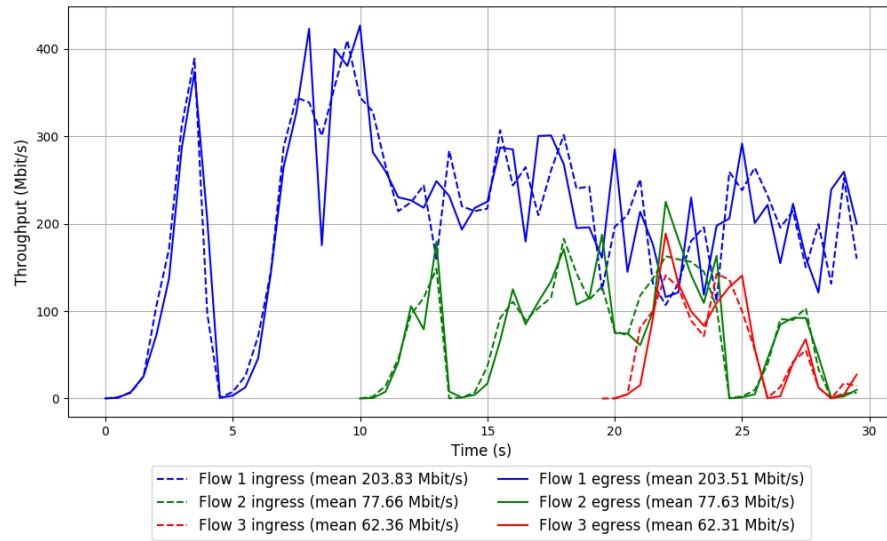
Run 4: Statistics of Verus

Start at: 2017-10-12 06:31:57

End at: 2017-10-12 06:32:27

```
# Below is generated by plot.py at 2017-10-12 09:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 275.21 Mbit/s
95th percentile per-packet one-way delay: 196.242 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 203.51 Mbit/s
95th percentile per-packet one-way delay: 201.826 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 77.63 Mbit/s
95th percentile per-packet one-way delay: 157.461 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 62.31 Mbit/s
95th percentile per-packet one-way delay: 190.531 ms
Loss rate: 0.07%
```

Run 4: Report of Verus — Data Link



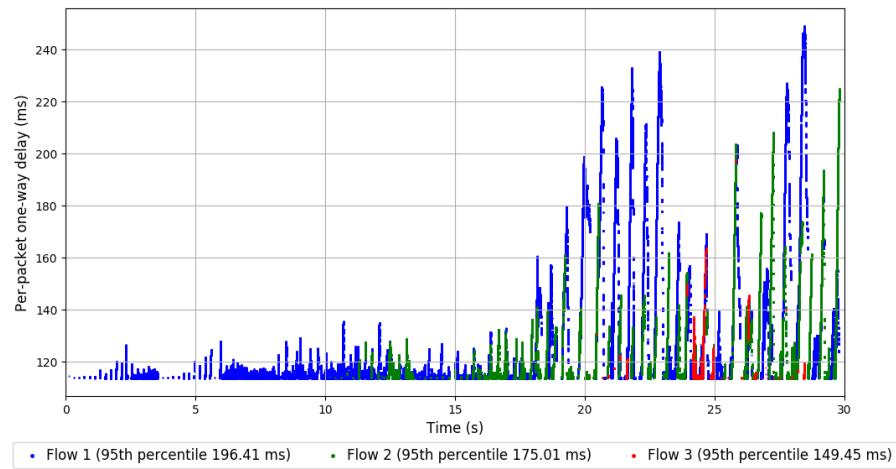
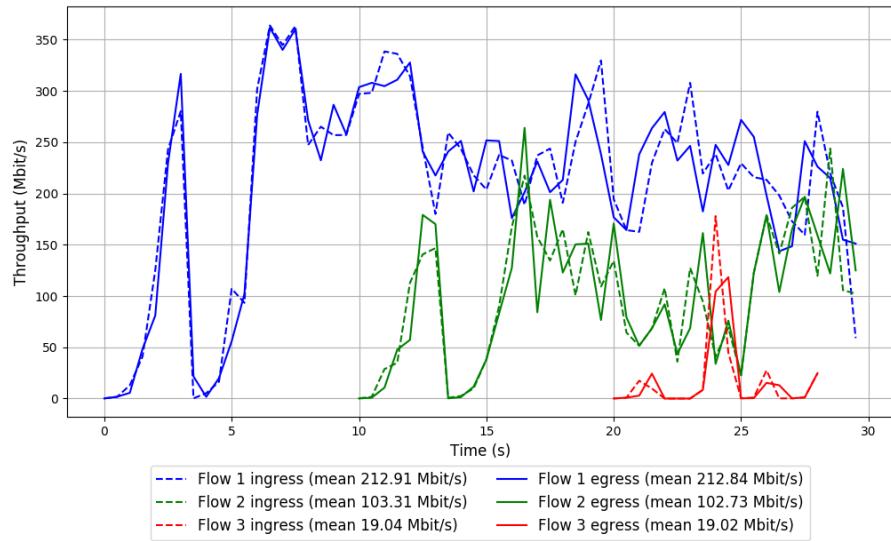
Run 5: Statistics of Verus

Start at: 2017-10-12 06:45:21

End at: 2017-10-12 06:45:51

```
# Below is generated by plot.py at 2017-10-12 09:28:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 285.96 Mbit/s
95th percentile per-packet one-way delay: 189.905 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.84 Mbit/s
95th percentile per-packet one-way delay: 196.415 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 102.73 Mbit/s
95th percentile per-packet one-way delay: 175.007 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.02 Mbit/s
95th percentile per-packet one-way delay: 149.450 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link



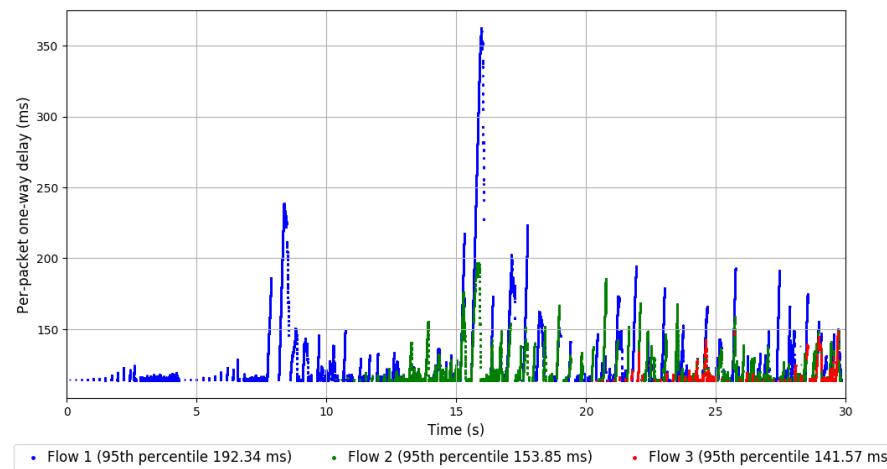
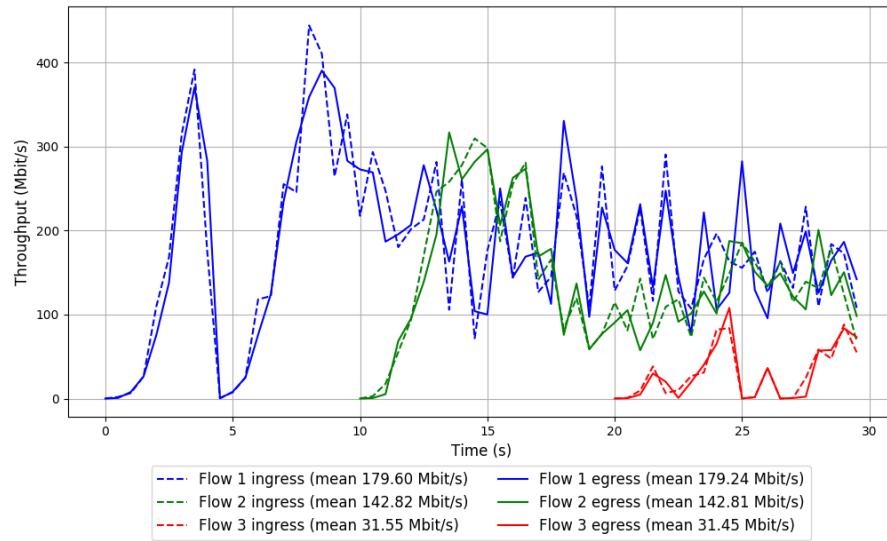
Run 6: Statistics of Verus

Start at: 2017-10-12 06:58:50

End at: 2017-10-12 06:59:20

```
# Below is generated by plot.py at 2017-10-12 09:28:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 283.93 Mbit/s
95th percentile per-packet one-way delay: 178.726 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 179.24 Mbit/s
95th percentile per-packet one-way delay: 192.342 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 142.81 Mbit/s
95th percentile per-packet one-way delay: 153.850 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: 141.574 ms
Loss rate: 0.00%
```

Run 6: Report of Verus — Data Link

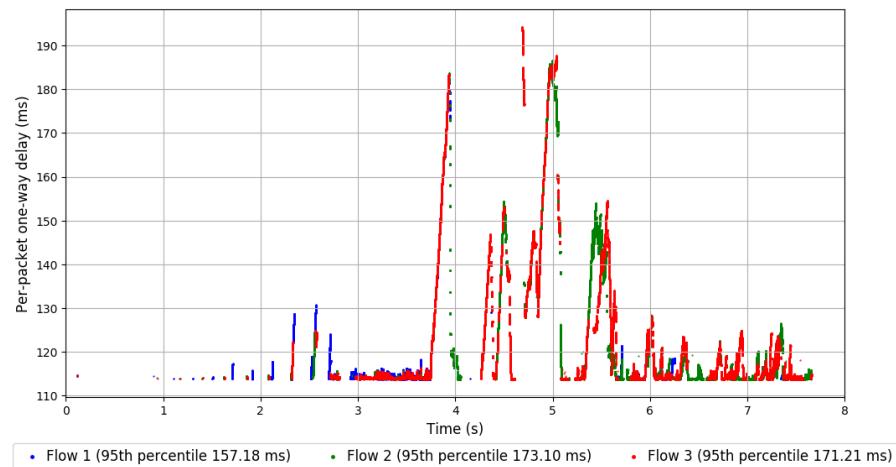
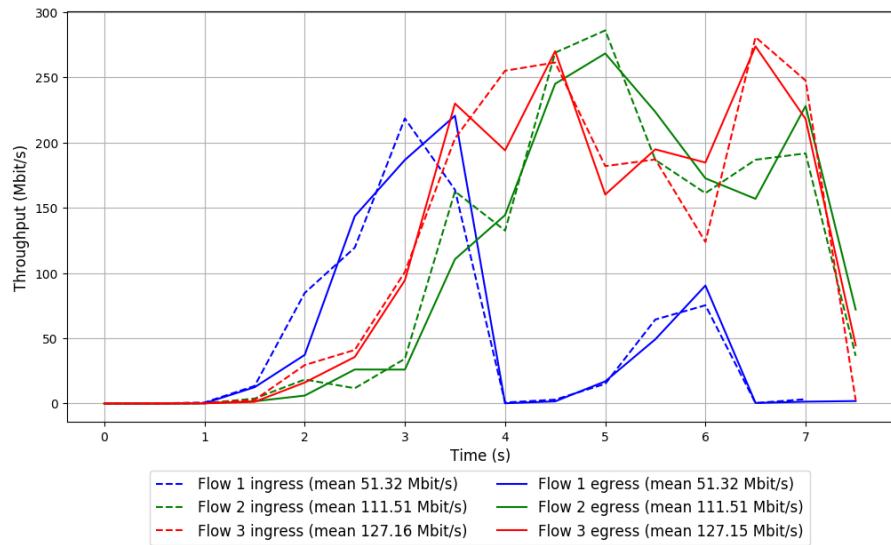


Run 7: Statistics of Verus

Start at: 2017-10-12 07:12:18

End at: 2017-10-12 07:12:48

## Run 7: Report of Verus — Data Link



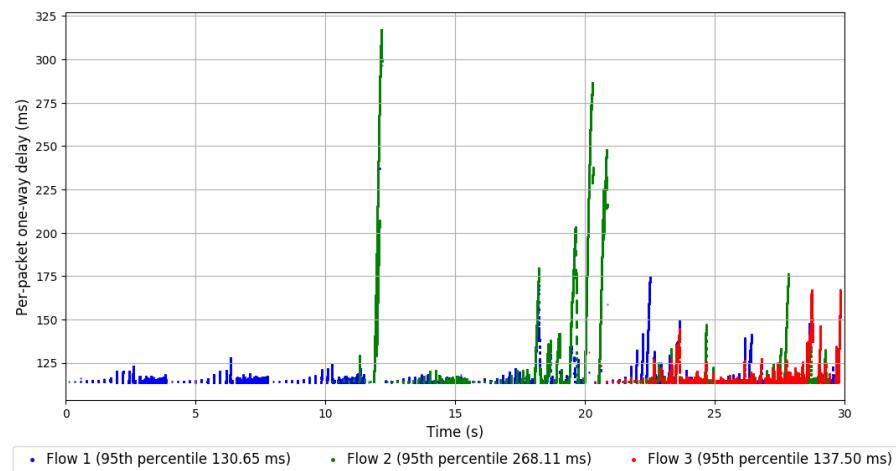
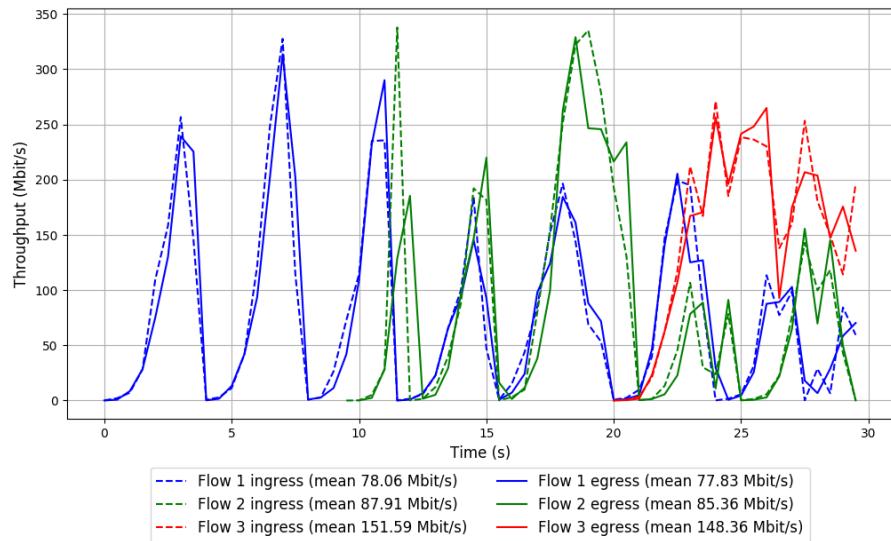
Run 8: Statistics of Verus

Start at: 2017-10-12 07:25:35

End at: 2017-10-12 07:26:05

```
# Below is generated by plot.py at 2017-10-12 09:28:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 182.67 Mbit/s
95th percentile per-packet one-way delay: 188.928 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 130.651 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 268.108 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 148.36 Mbit/s
95th percentile per-packet one-way delay: 137.498 ms
Loss rate: 2.07%
```

## Run 8: Report of Verus — Data Link



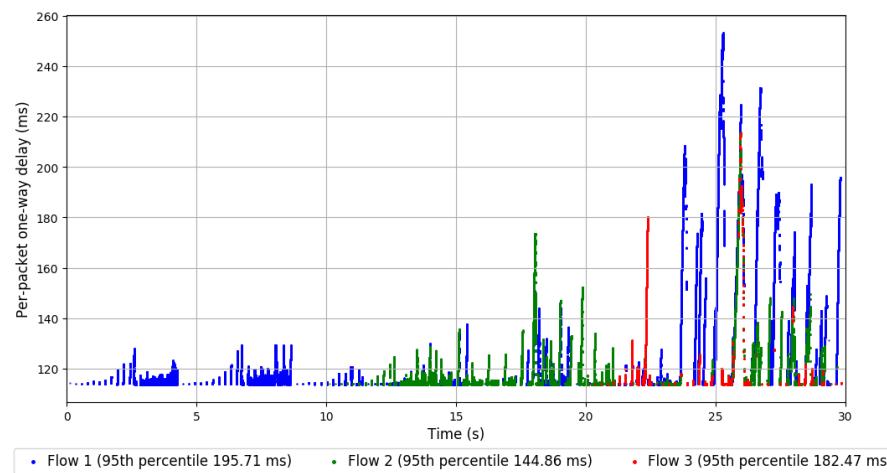
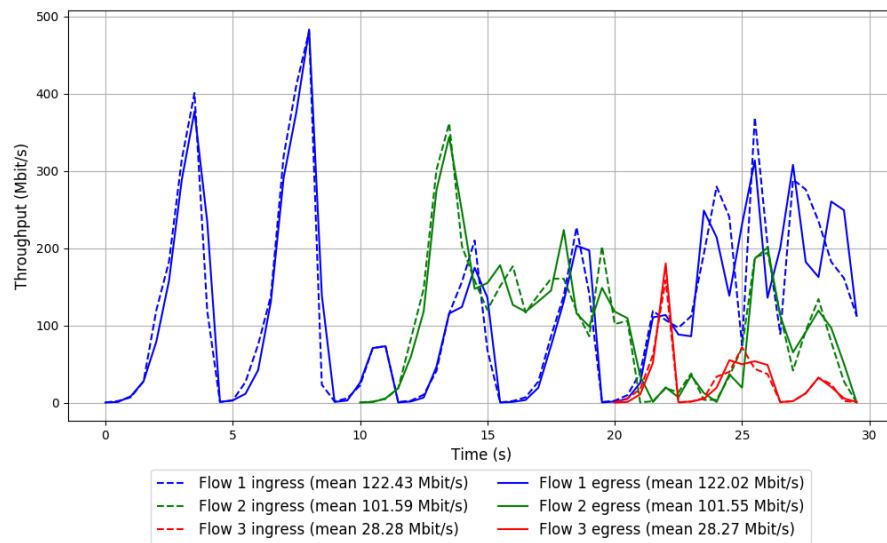
Run 9: Statistics of Verus

Start at: 2017-10-12 07:39:04

End at: 2017-10-12 07:39:34

```
# Below is generated by plot.py at 2017-10-12 09:28:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 197.82 Mbit/s
95th percentile per-packet one-way delay: 187.719 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 122.02 Mbit/s
95th percentile per-packet one-way delay: 195.709 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 101.55 Mbit/s
95th percentile per-packet one-way delay: 144.858 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.27 Mbit/s
95th percentile per-packet one-way delay: 182.469 ms
Loss rate: 0.00%
```

## Run 9: Report of Verus — Data Link



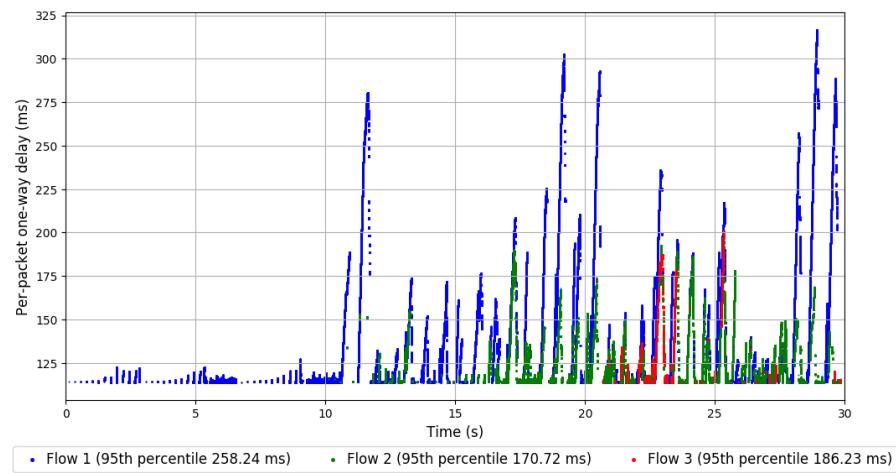
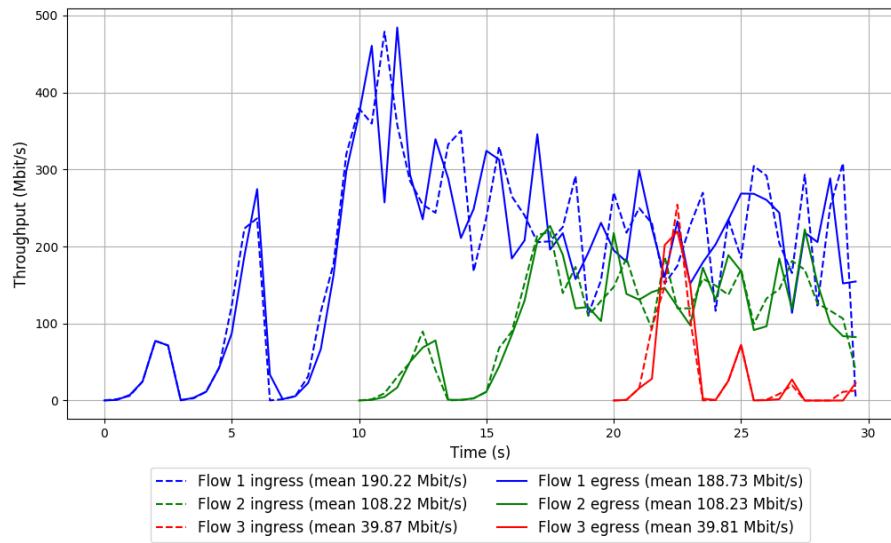
Run 10: Statistics of Verus

Start at: 2017-10-12 07:52:43

End at: 2017-10-12 07:53:13

```
# Below is generated by plot.py at 2017-10-12 09:31:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 272.26 Mbit/s
95th percentile per-packet one-way delay: 233.865 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 188.73 Mbit/s
95th percentile per-packet one-way delay: 258.244 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 108.23 Mbit/s
95th percentile per-packet one-way delay: 170.725 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 186.227 ms
Loss rate: 0.17%
```

Run 10: Report of Verus — Data Link



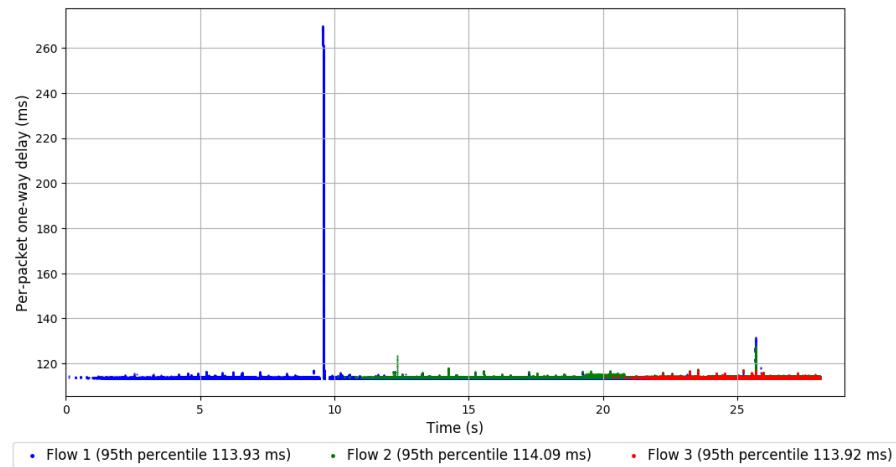
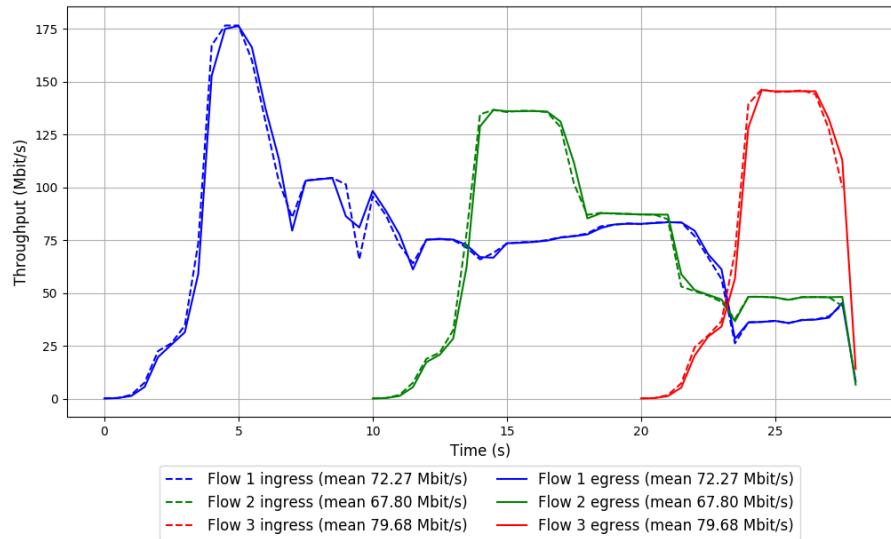
Run 1: Statistics of Copa

Start at: 2017-10-12 05:50:34

End at: 2017-10-12 05:51:04

```
# Below is generated by plot.py at 2017-10-12 09:31:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 138.42 Mbit/s
95th percentile per-packet one-way delay: 113.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.27 Mbit/s
95th percentile per-packet one-way delay: 113.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.80 Mbit/s
95th percentile per-packet one-way delay: 114.092 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 79.68 Mbit/s
95th percentile per-packet one-way delay: 113.924 ms
Loss rate: 0.00%
```

### Run 1: Report of Copa — Data Link



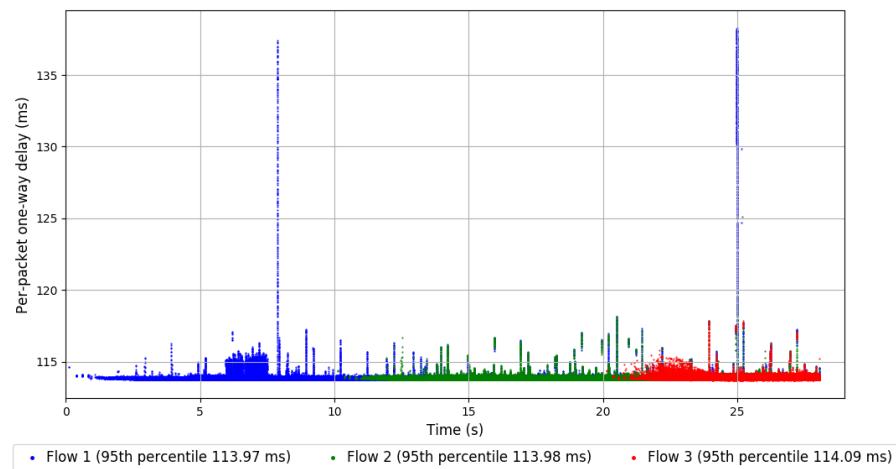
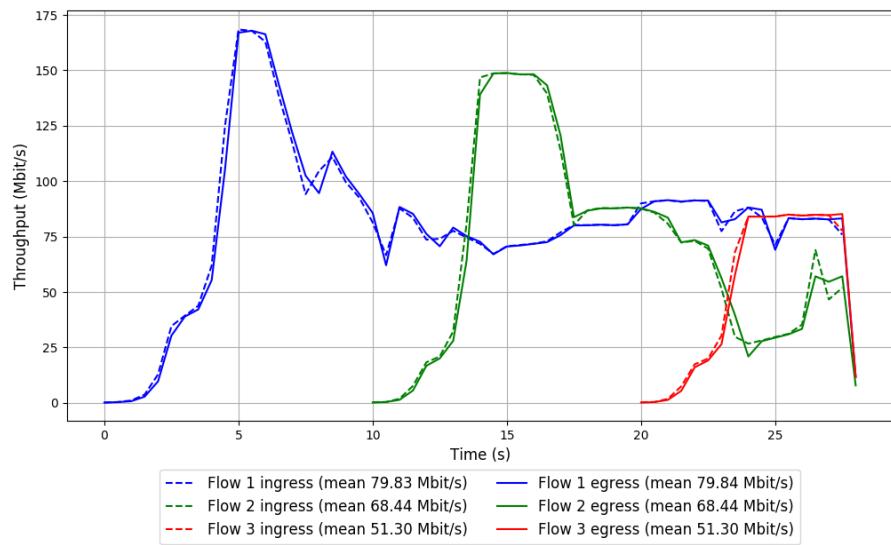
Run 2: Statistics of Copa

Start at: 2017-10-12 06:04:05

End at: 2017-10-12 06:04:35

```
# Below is generated by plot.py at 2017-10-12 09:31:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 138.35 Mbit/s
95th percentile per-packet one-way delay: 113.986 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.84 Mbit/s
95th percentile per-packet one-way delay: 113.966 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.44 Mbit/s
95th percentile per-packet one-way delay: 113.979 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.30 Mbit/s
95th percentile per-packet one-way delay: 114.092 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link



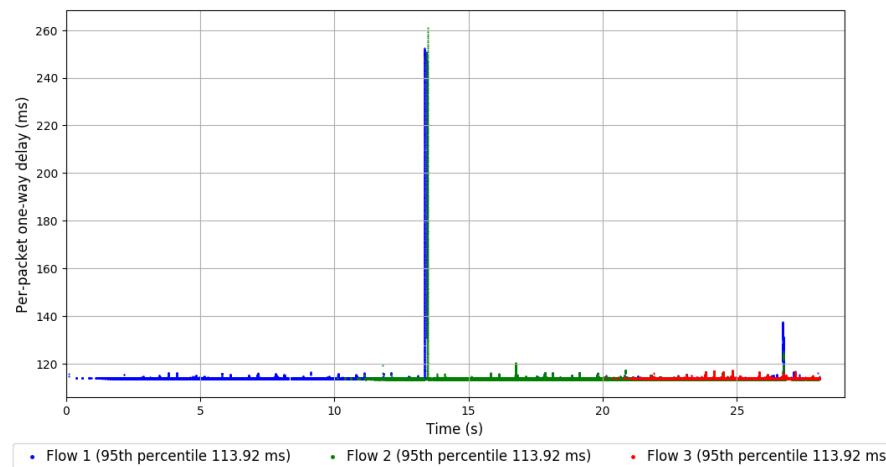
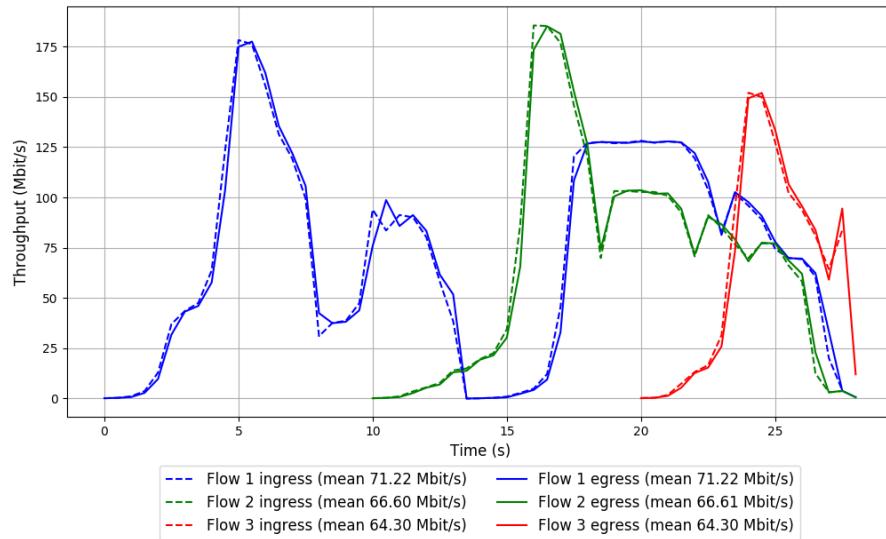
Run 3: Statistics of Copa

Start at: 2017-10-12 06:17:30

End at: 2017-10-12 06:18:00

```
# Below is generated by plot.py at 2017-10-12 09:31:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 132.23 Mbit/s
95th percentile per-packet one-way delay: 113.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.22 Mbit/s
95th percentile per-packet one-way delay: 113.924 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.61 Mbit/s
95th percentile per-packet one-way delay: 113.915 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.30 Mbit/s
95th percentile per-packet one-way delay: 113.924 ms
Loss rate: 0.00%
```

### Run 3: Report of Copa — Data Link



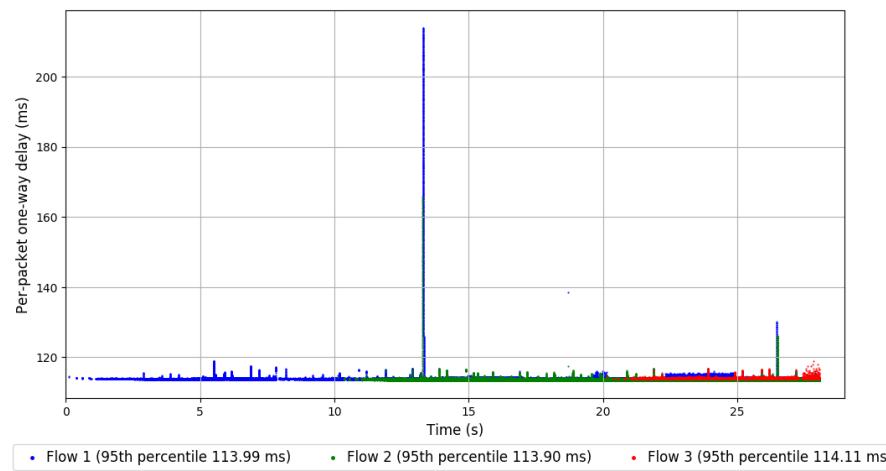
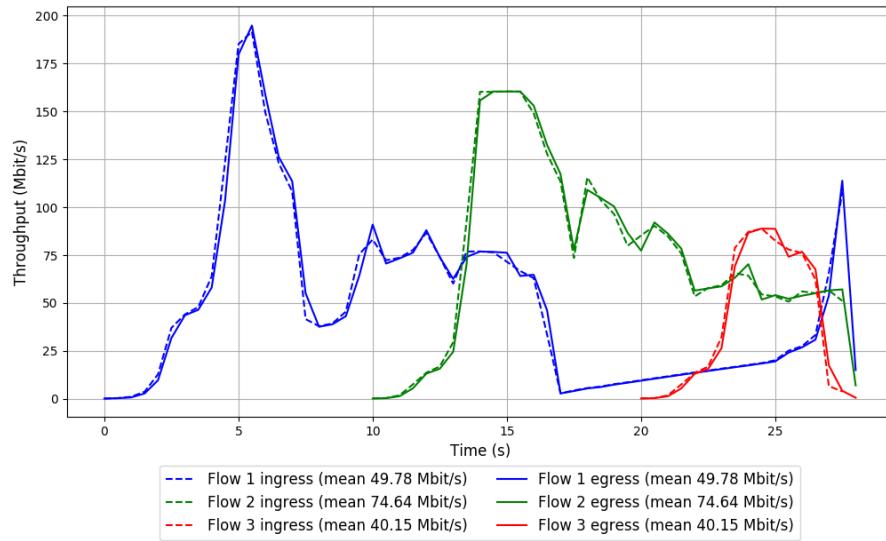
Run 4: Statistics of Copa

Start at: 2017-10-12 06:31:00

End at: 2017-10-12 06:31:30

```
# Below is generated by plot.py at 2017-10-12 09:31:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 109.09 Mbit/s
95th percentile per-packet one-way delay: 113.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.78 Mbit/s
95th percentile per-packet one-way delay: 113.994 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 113.904 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 114.114 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link



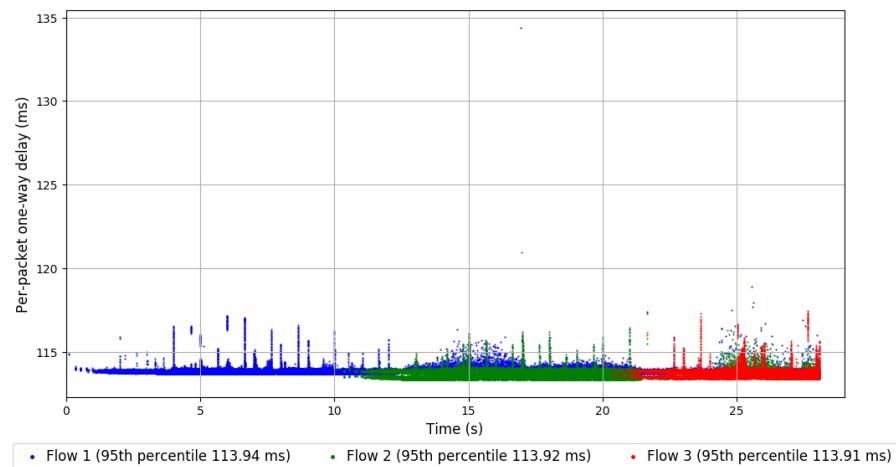
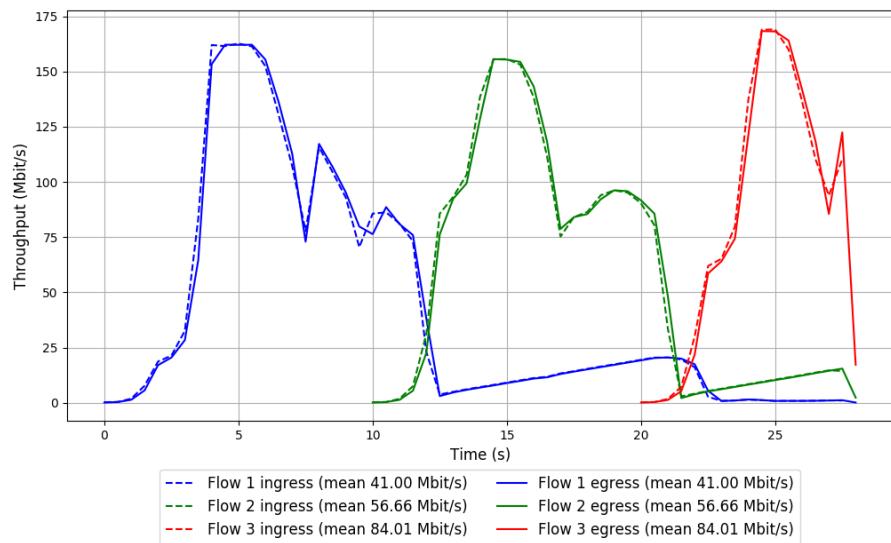
Run 5: Statistics of Copa

Start at: 2017-10-12 06:44:24

End at: 2017-10-12 06:44:54

```
# Below is generated by plot.py at 2017-10-12 09:31:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 101.22 Mbit/s
95th percentile per-packet one-way delay: 113.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.00 Mbit/s
95th percentile per-packet one-way delay: 113.940 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.66 Mbit/s
95th percentile per-packet one-way delay: 113.919 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 113.909 ms
Loss rate: 0.00%
```

### Run 5: Report of Copa — Data Link



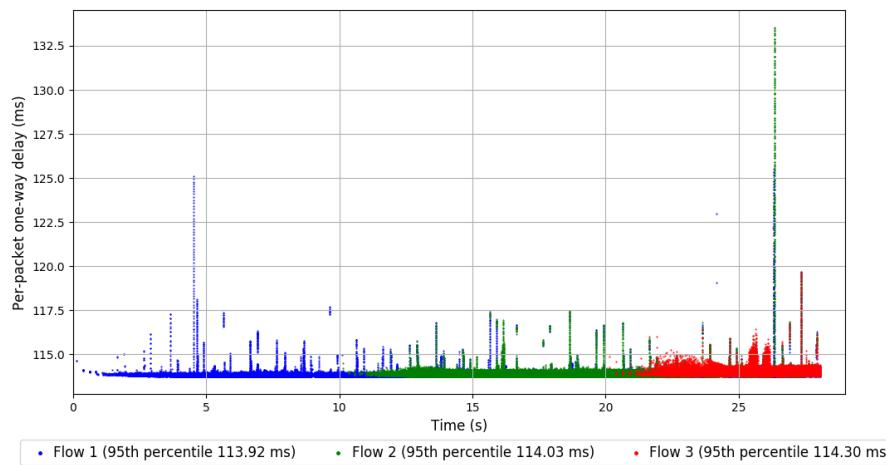
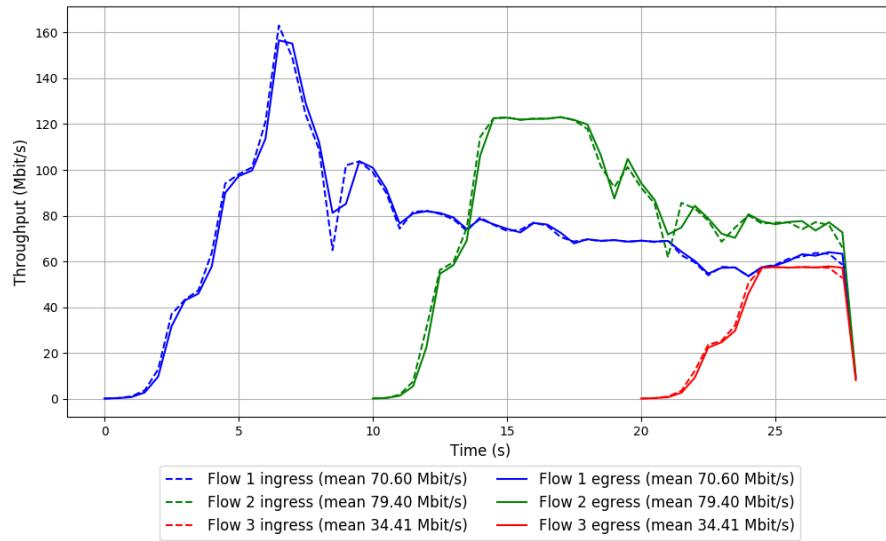
Run 6: Statistics of Copa

Start at: 2017-10-12 06:57:51

End at: 2017-10-12 06:58:21

```
# Below is generated by plot.py at 2017-10-12 09:32:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 131.34 Mbit/s
95th percentile per-packet one-way delay: 114.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.60 Mbit/s
95th percentile per-packet one-way delay: 113.917 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 79.40 Mbit/s
95th percentile per-packet one-way delay: 114.030 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.41 Mbit/s
95th percentile per-packet one-way delay: 114.302 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link



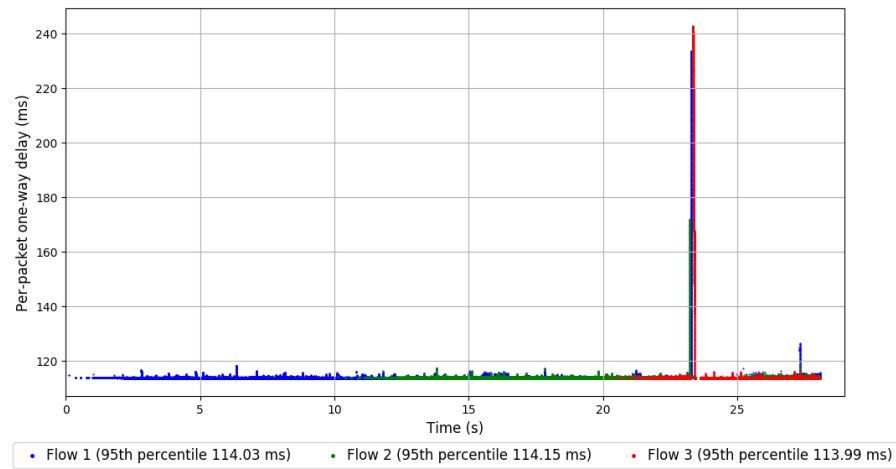
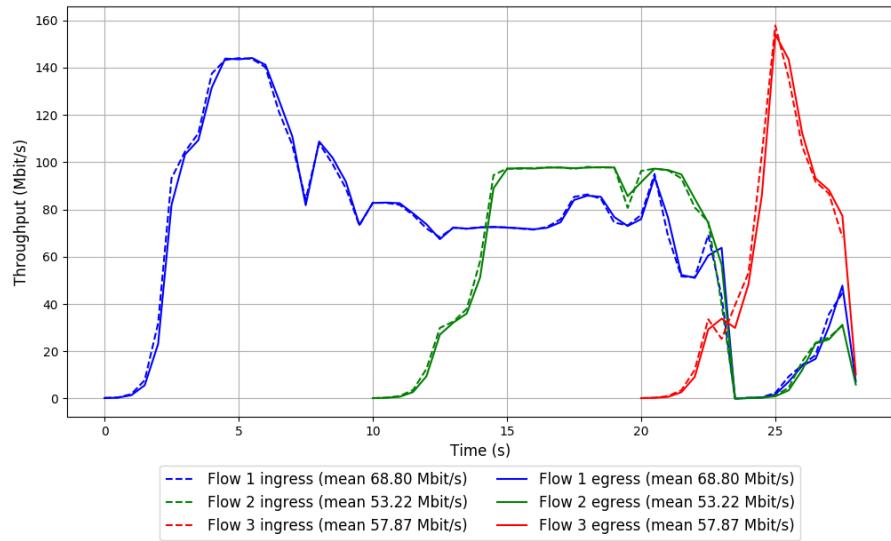
Run 7: Statistics of Copa

Start at: 2017-10-12 07:11:20

End at: 2017-10-12 07:11:50

```
# Below is generated by plot.py at 2017-10-12 09:32:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 119.40 Mbit/s
95th percentile per-packet one-way delay: 114.081 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.80 Mbit/s
95th percentile per-packet one-way delay: 114.033 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.22 Mbit/s
95th percentile per-packet one-way delay: 114.150 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.87 Mbit/s
95th percentile per-packet one-way delay: 113.986 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link



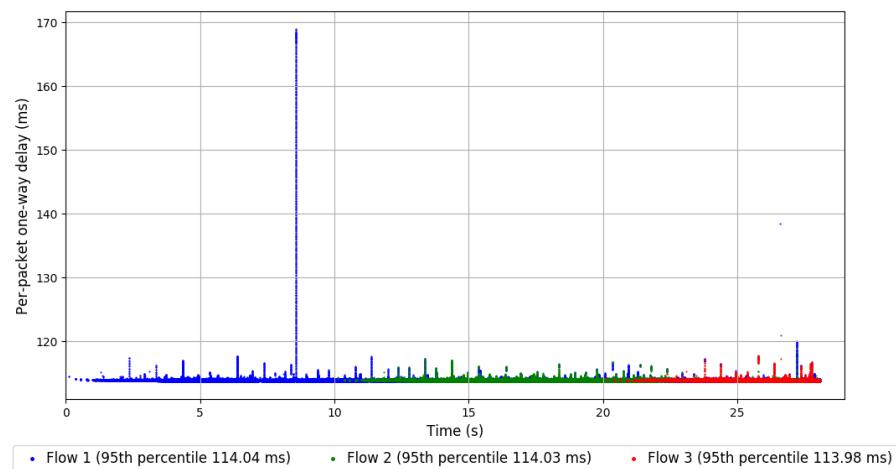
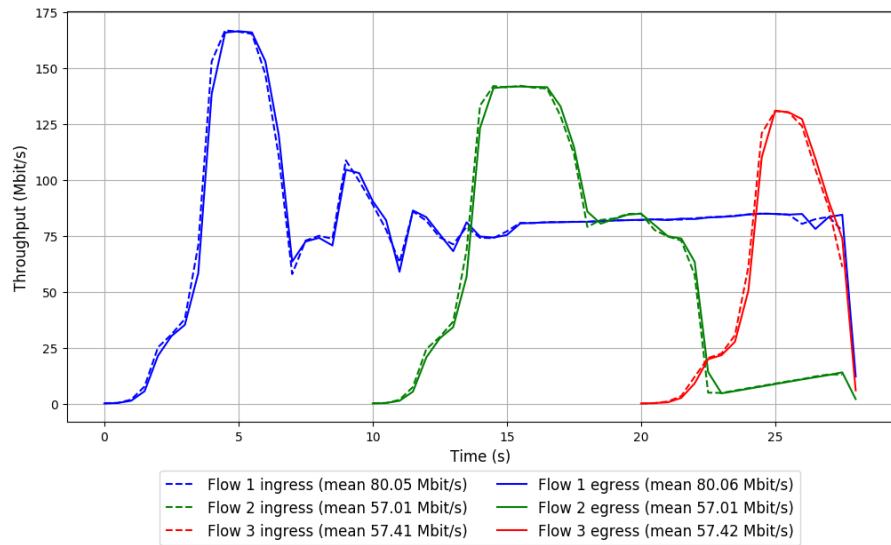
Run 8: Statistics of Copa

Start at: 2017-10-12 07:24:35

End at: 2017-10-12 07:25:05

```
# Below is generated by plot.py at 2017-10-12 09:34:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 132.94 Mbit/s
95th percentile per-packet one-way delay: 114.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.06 Mbit/s
95th percentile per-packet one-way delay: 114.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.01 Mbit/s
95th percentile per-packet one-way delay: 114.029 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.42 Mbit/s
95th percentile per-packet one-way delay: 113.978 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link



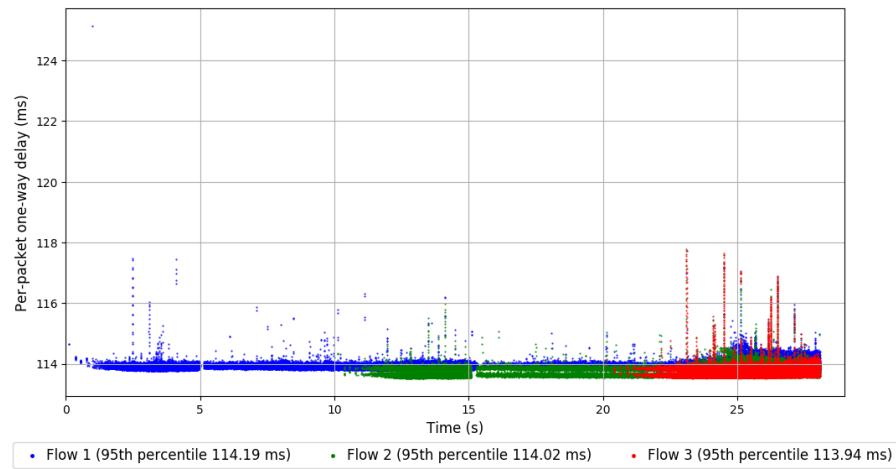
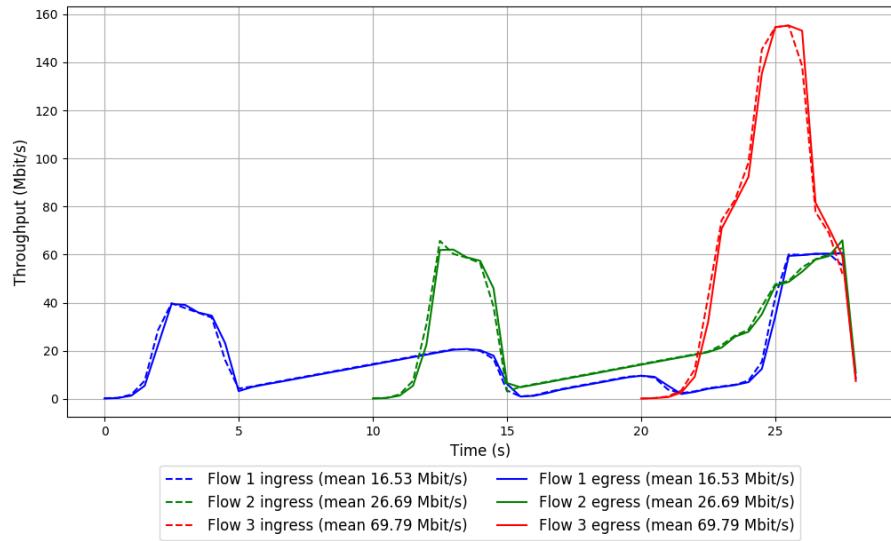
Run 9: Statistics of Copa

Start at: 2017-10-12 07:38:12

End at: 2017-10-12 07:38:42

```
# Below is generated by plot.py at 2017-10-12 09:34:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.48 Mbit/s
95th percentile per-packet one-way delay: 114.077 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.53 Mbit/s
95th percentile per-packet one-way delay: 114.195 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.69 Mbit/s
95th percentile per-packet one-way delay: 114.018 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.79 Mbit/s
95th percentile per-packet one-way delay: 113.939 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link



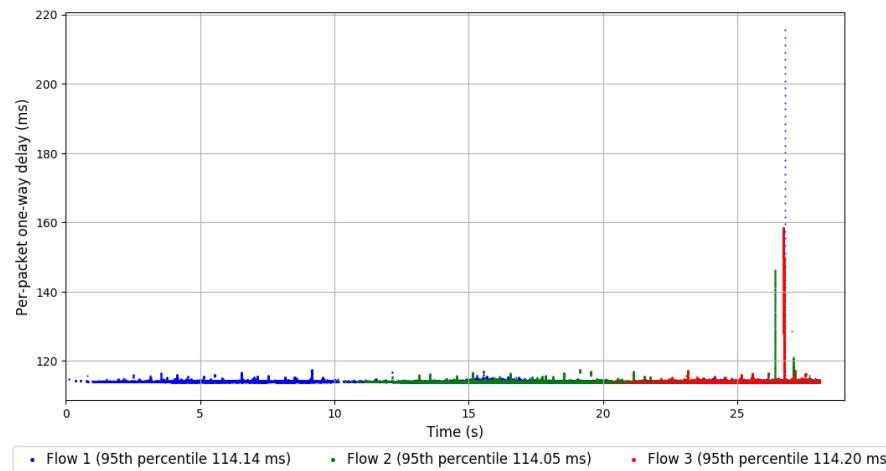
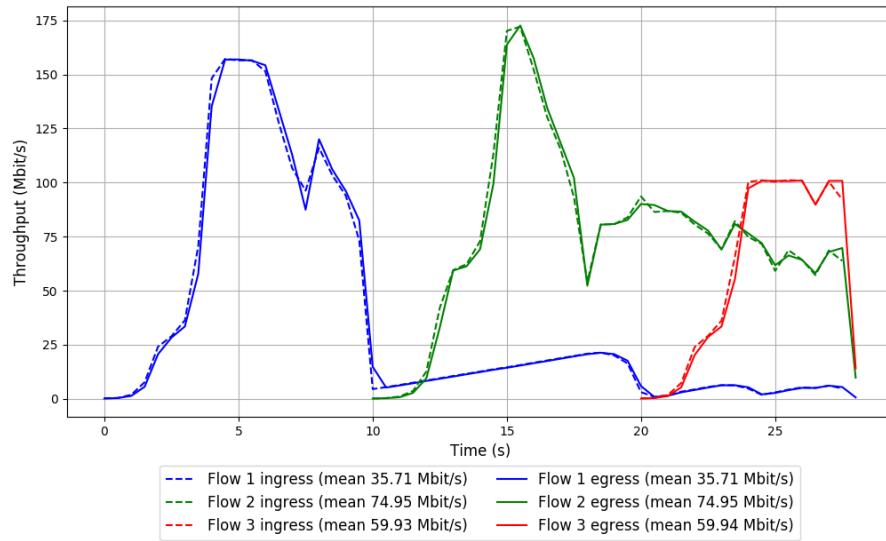
Run 10: Statistics of Copa

Start at: 2017-10-12 07:51:46

End at: 2017-10-12 07:52:16

```
# Below is generated by plot.py at 2017-10-12 09:34:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.84 Mbit/s
95th percentile per-packet one-way delay: 114.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.71 Mbit/s
95th percentile per-packet one-way delay: 114.137 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 74.95 Mbit/s
95th percentile per-packet one-way delay: 114.052 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.94 Mbit/s
95th percentile per-packet one-way delay: 114.205 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

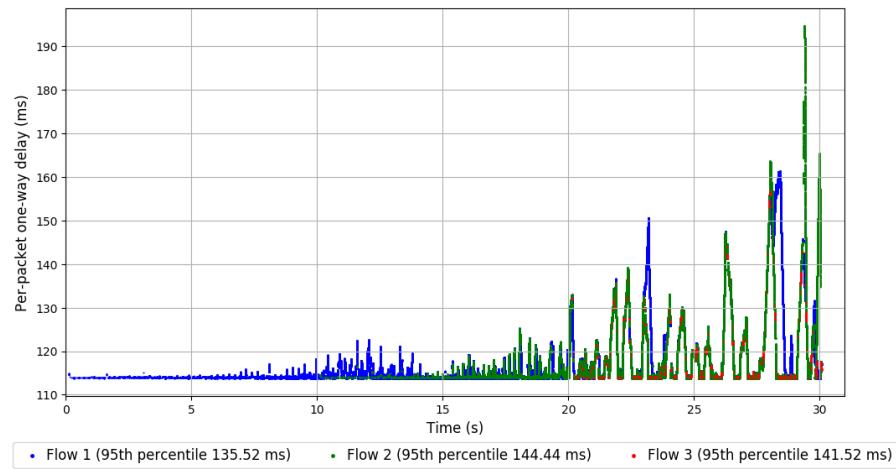
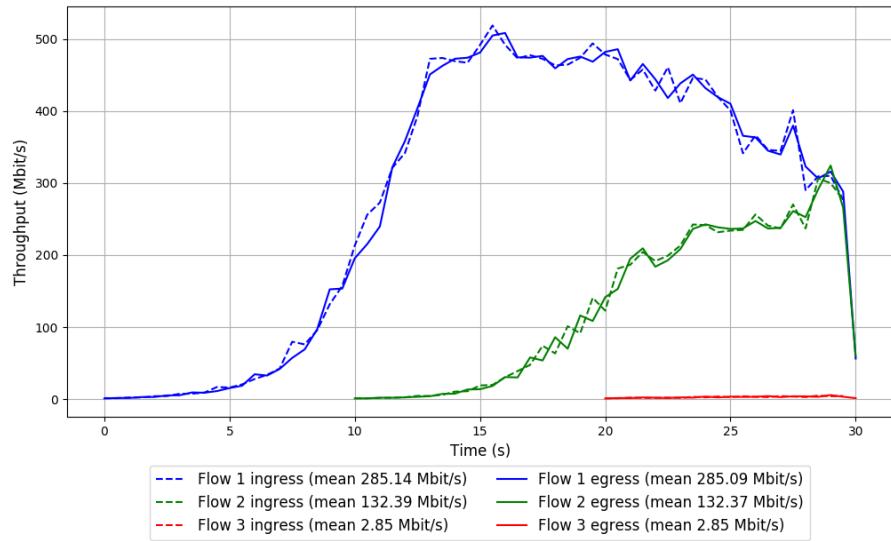


```
Run 1: Statistics of CalibratedKoho

Start at: 2017-10-12 05:44:54
End at: 2017-10-12 05:45:24

# Below is generated by plot.py at 2017-10-12 09:38:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 374.12 Mbit/s
95th percentile per-packet one-way delay: 138.270 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 285.09 Mbit/s
95th percentile per-packet one-way delay: 135.520 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 132.37 Mbit/s
95th percentile per-packet one-way delay: 144.441 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 141.519 ms
Loss rate: 0.21%
```

Run 1: Report of CalibratedKoho — Data Link



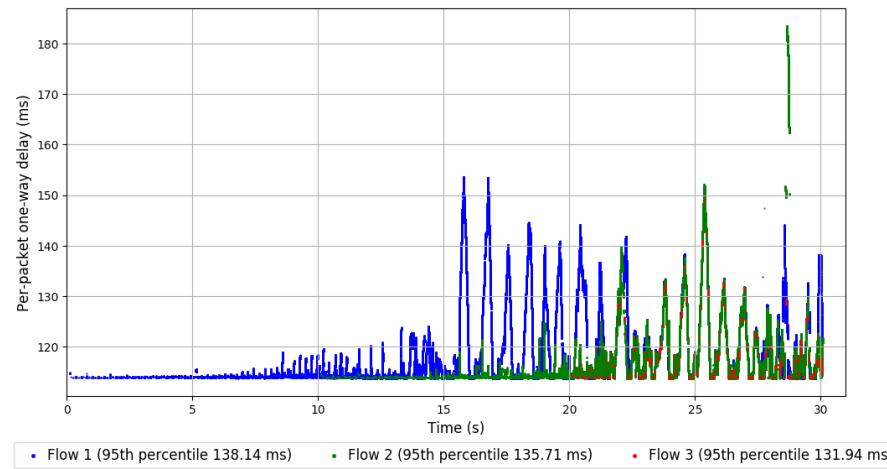
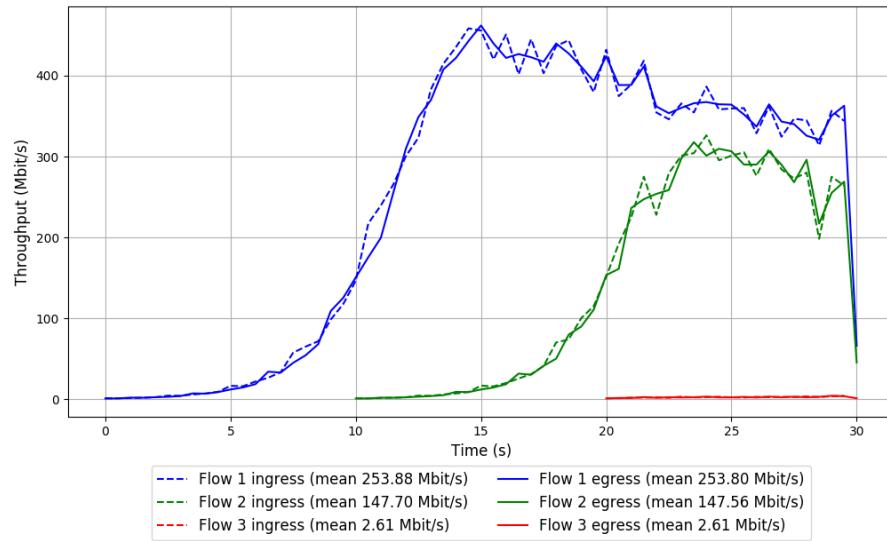
Run 2: Statistics of CalibratedKoho

Start at: 2017-10-12 05:58:09

End at: 2017-10-12 05:58:39

```
# Below is generated by plot.py at 2017-10-12 09:38:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 352.92 Mbit/s
95th percentile per-packet one-way delay: 137.781 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 253.80 Mbit/s
95th percentile per-packet one-way delay: 138.142 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 147.56 Mbit/s
95th percentile per-packet one-way delay: 135.713 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 131.944 ms
Loss rate: 0.00%
```

## Run 2: Report of CalibratedKoho — Data Link



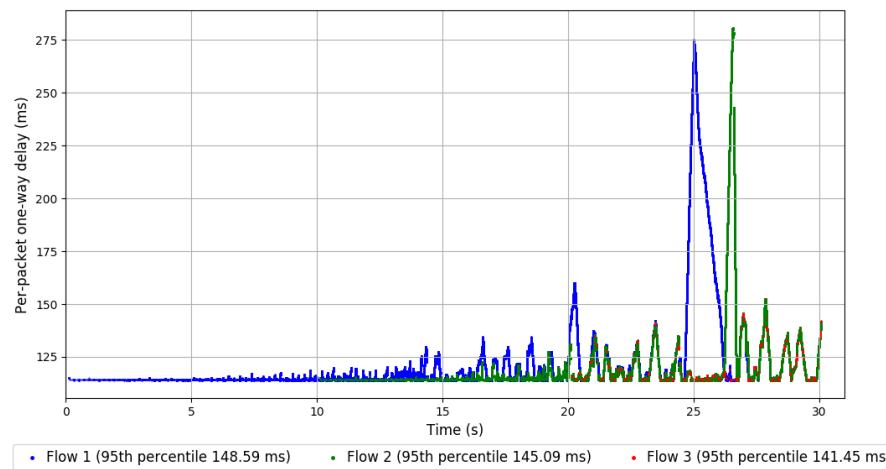
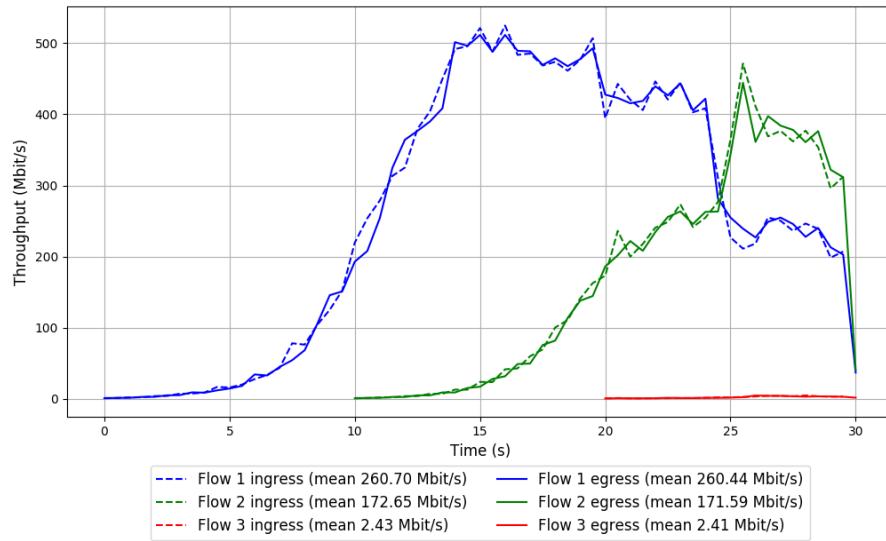
Run 3: Statistics of CalibratedKoho

Start at: 2017-10-12 06:11:34

End at: 2017-10-12 06:12:04

```
# Below is generated by plot.py at 2017-10-12 09:38:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 375.50 Mbit/s
95th percentile per-packet one-way delay: 147.888 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 260.44 Mbit/s
95th percentile per-packet one-way delay: 148.591 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 171.59 Mbit/s
95th percentile per-packet one-way delay: 145.086 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 141.450 ms
Loss rate: 0.55%
```

Run 3: Report of CalibratedKoho — Data Link



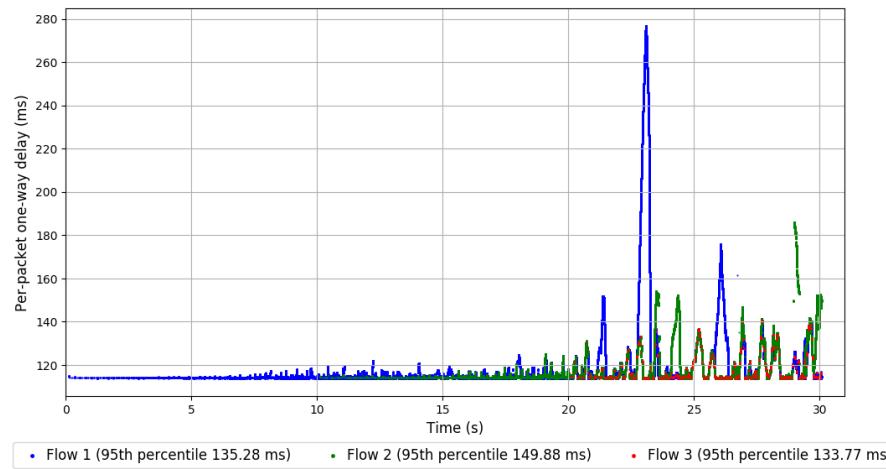
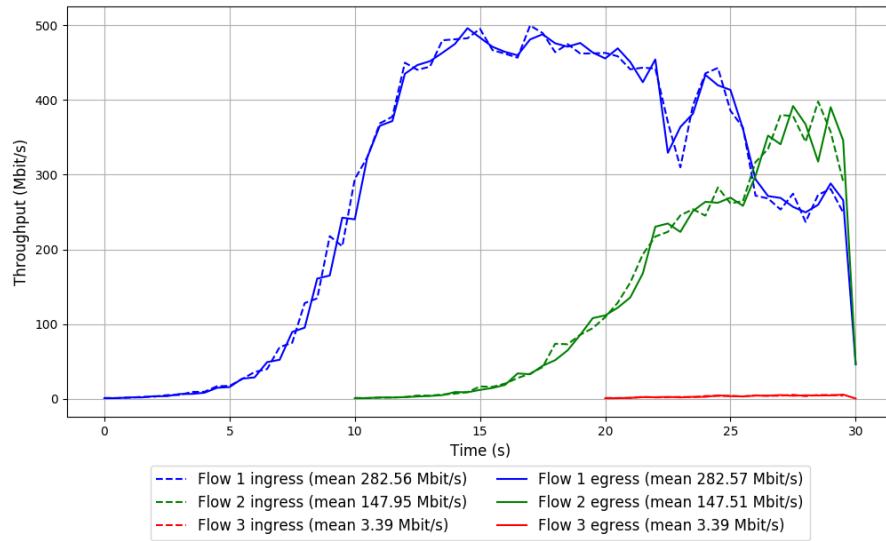
Run 4: Statistics of CalibratedKoho

Start at: 2017-10-12 06:25:06

End at: 2017-10-12 06:25:36

```
# Below is generated by plot.py at 2017-10-12 09:39:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 381.92 Mbit/s
95th percentile per-packet one-way delay: 140.033 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 282.57 Mbit/s
95th percentile per-packet one-way delay: 135.284 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 147.51 Mbit/s
95th percentile per-packet one-way delay: 149.875 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 133.772 ms
Loss rate: 0.04%
```

Run 4: Report of CalibratedKoho — Data Link



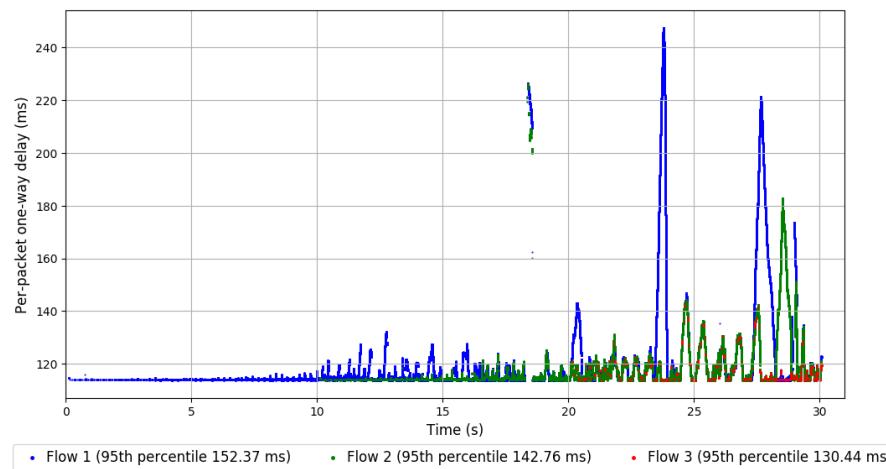
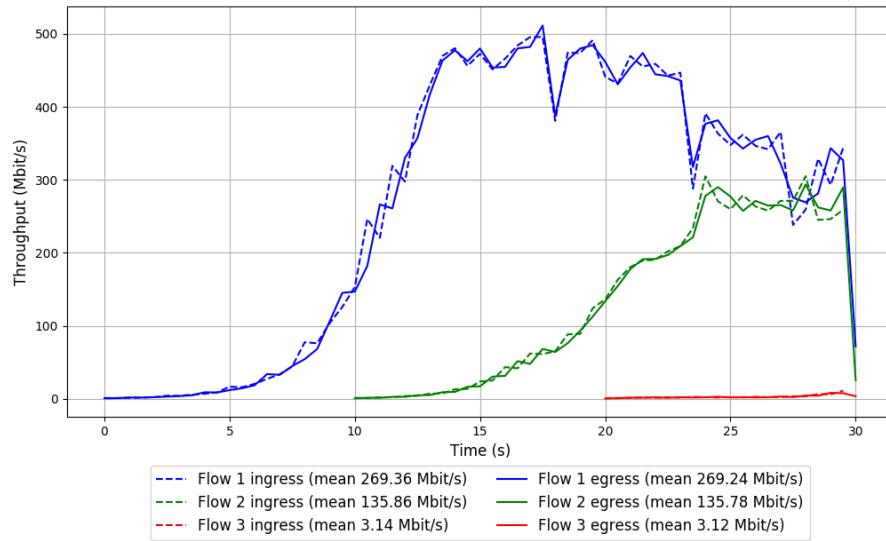
Run 5: Statistics of CalibratedKoho

Start at: 2017-10-12 06:38:27

End at: 2017-10-12 06:38:57

```
# Below is generated by plot.py at 2017-10-12 09:39:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 360.69 Mbit/s
95th percentile per-packet one-way delay: 146.756 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 269.24 Mbit/s
95th percentile per-packet one-way delay: 152.370 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 135.78 Mbit/s
95th percentile per-packet one-way delay: 142.761 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 130.442 ms
Loss rate: 0.88%
```

Run 5: Report of CalibratedKoho — Data Link



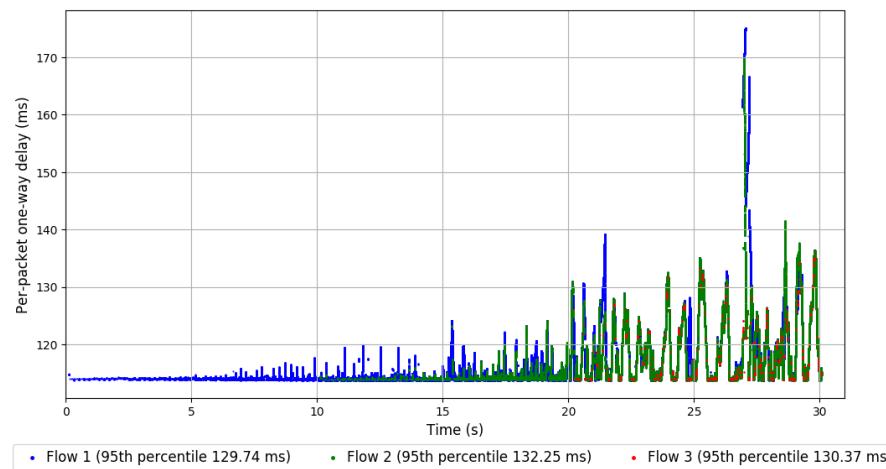
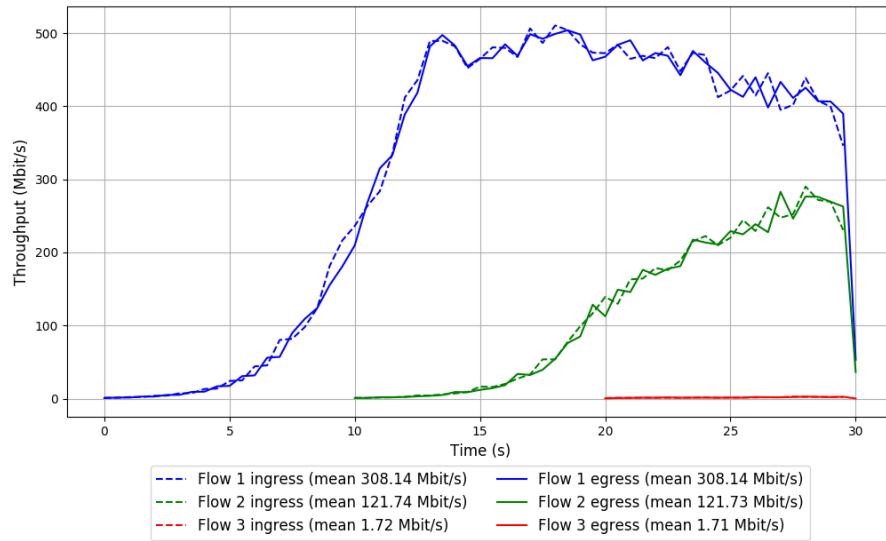
Run 6: Statistics of CalibratedKoho

Start at: 2017-10-12 06:52:00

End at: 2017-10-12 06:52:30

```
# Below is generated by plot.py at 2017-10-12 09:40:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 389.78 Mbit/s
95th percentile per-packet one-way delay: 130.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 308.14 Mbit/s
95th percentile per-packet one-way delay: 129.744 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 121.73 Mbit/s
95th percentile per-packet one-way delay: 132.253 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 130.365 ms
Loss rate: 1.12%
```

Run 6: Report of CalibratedKoho — Data Link



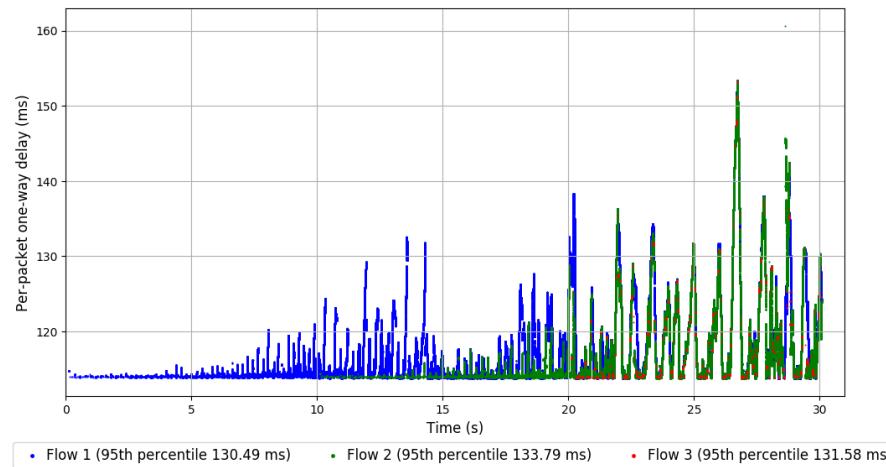
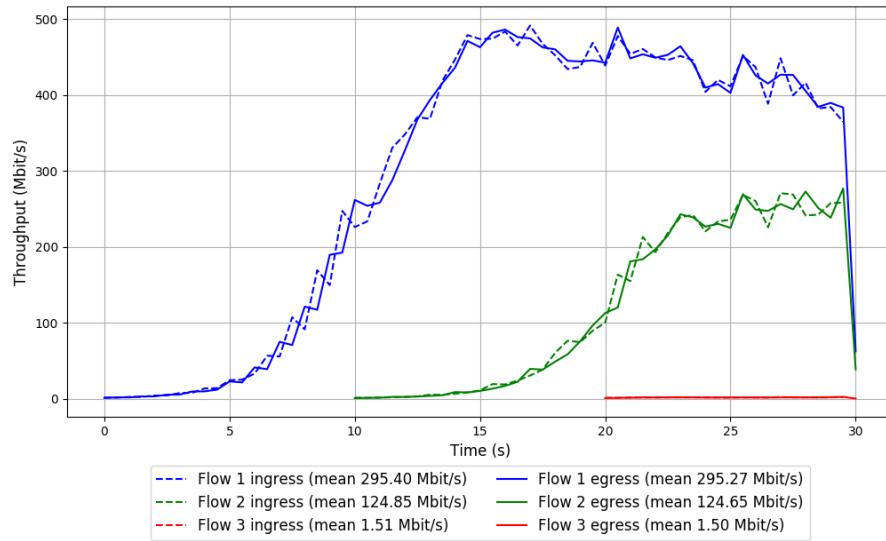
Run 7: Statistics of CalibratedKoho

Start at: 2017-10-12 07:05:27

End at: 2017-10-12 07:05:57

```
# Below is generated by plot.py at 2017-10-12 09:41:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 378.78 Mbit/s
95th percentile per-packet one-way delay: 131.084 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 295.27 Mbit/s
95th percentile per-packet one-way delay: 130.494 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 124.65 Mbit/s
95th percentile per-packet one-way delay: 133.794 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 131.580 ms
Loss rate: 0.48%
```

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



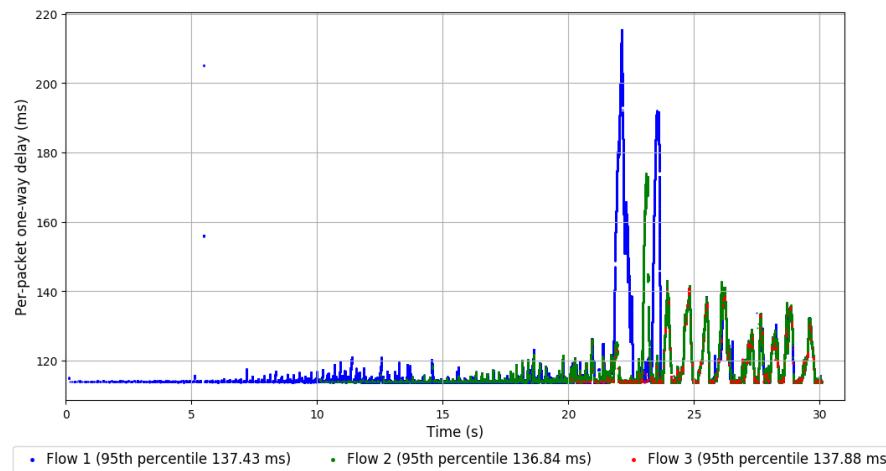
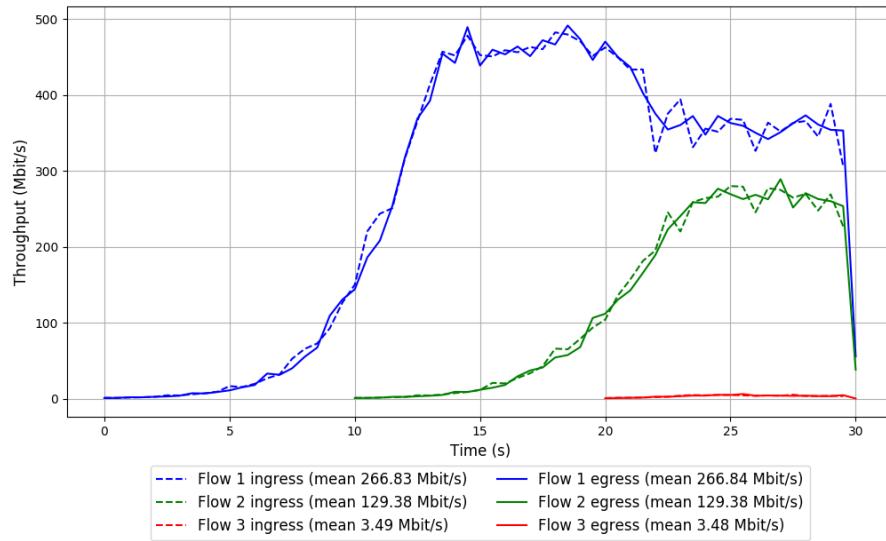
Run 8: Statistics of CalibratedKoho

Start at: 2017-10-12 07:18:40

End at: 2017-10-12 07:19:10

```
# Below is generated by plot.py at 2017-10-12 09:41:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 354.14 Mbit/s
95th percentile per-packet one-way delay: 137.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 266.84 Mbit/s
95th percentile per-packet one-way delay: 137.426 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.38 Mbit/s
95th percentile per-packet one-way delay: 136.840 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 137.883 ms
Loss rate: 0.38%
```

Run 8: Report of CalibratedKoho — Data Link



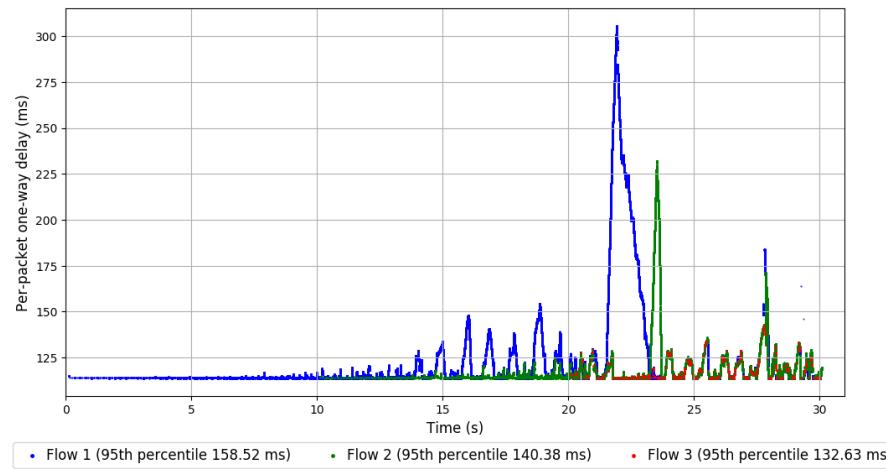
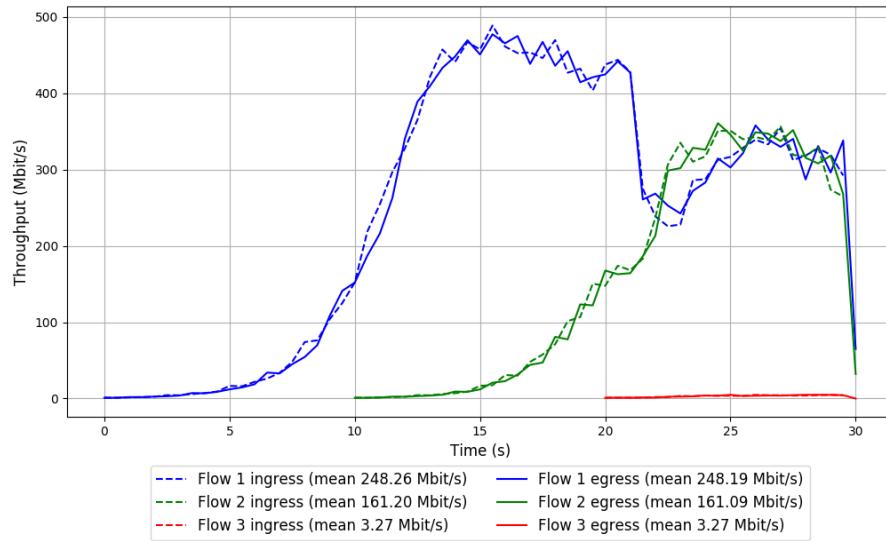
Run 9: Statistics of CalibratedKoho

Start at: 2017-10-12 07:32:12

End at: 2017-10-12 07:32:42

```
# Below is generated by plot.py at 2017-10-12 09:44:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 356.52 Mbit/s
95th percentile per-packet one-way delay: 152.405 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 248.19 Mbit/s
95th percentile per-packet one-way delay: 158.523 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 161.09 Mbit/s
95th percentile per-packet one-way delay: 140.383 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 132.630 ms
Loss rate: 0.07%
```

Run 9: Report of CalibratedKoho — Data Link



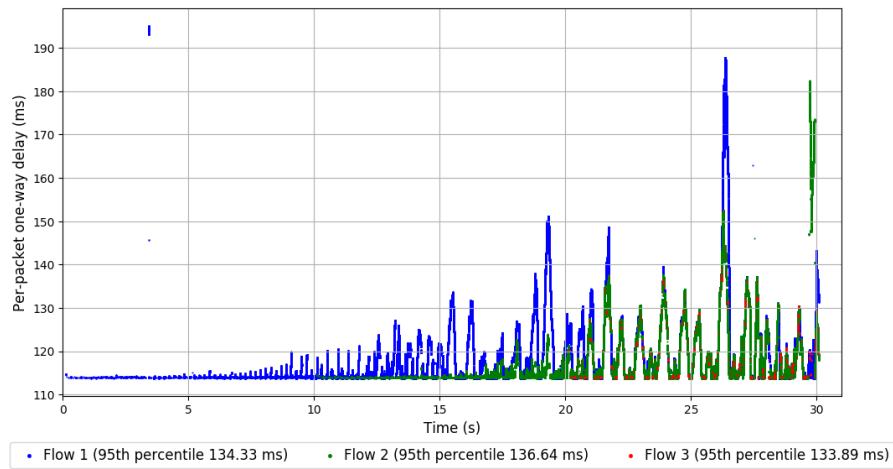
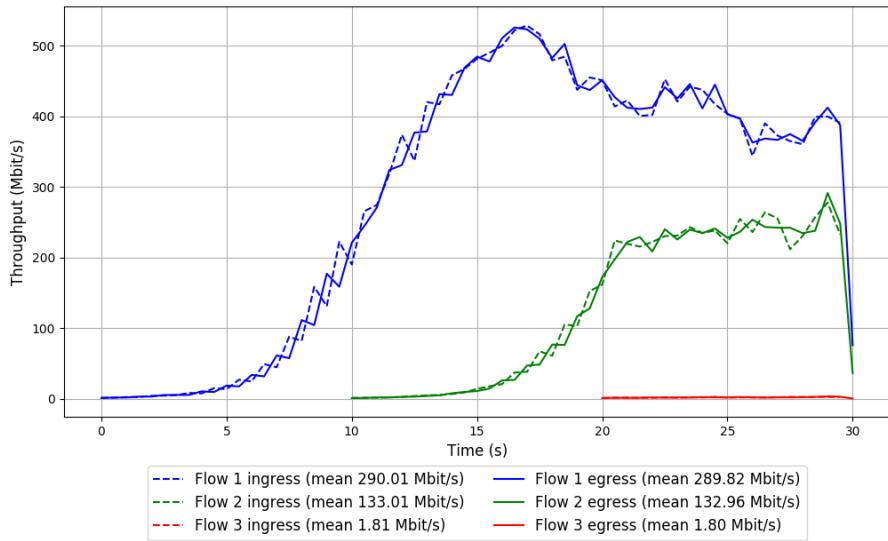
Run 10: Statistics of CalibratedKoho

Start at: 2017-10-12 07:45:42

End at: 2017-10-12 07:46:12

```
# Below is generated by plot.py at 2017-10-12 09:44:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 378.95 Mbit/s
95th percentile per-packet one-way delay: 134.911 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 289.82 Mbit/s
95th percentile per-packet one-way delay: 134.333 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 132.96 Mbit/s
95th percentile per-packet one-way delay: 136.639 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 133.893 ms
Loss rate: 0.73%
```

Run 10: Report of CalibratedKoho — Data Link

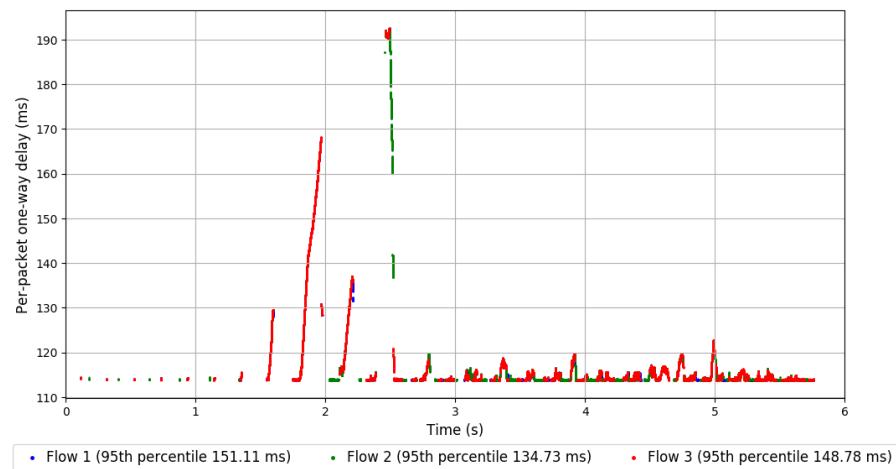
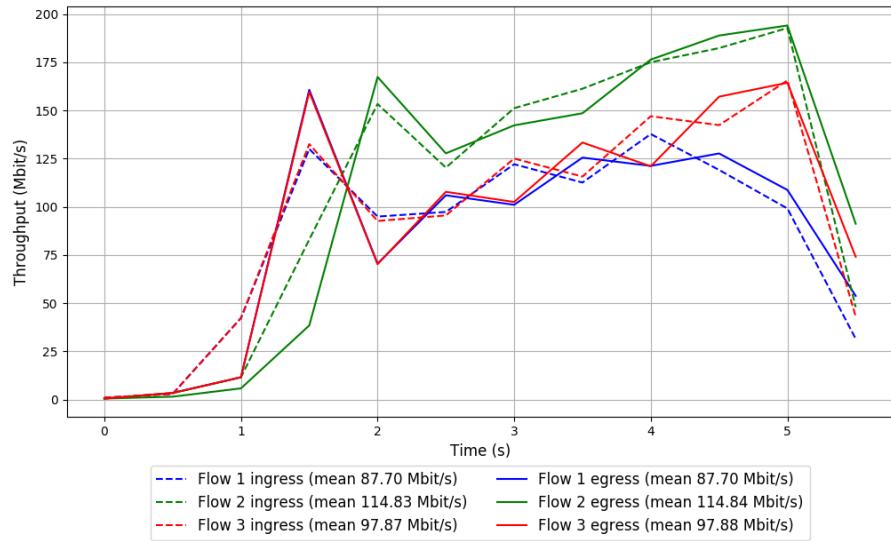


Run 1: Statistics of Indigo

Start at: 2017-10-12 05:47:18

End at: 2017-10-12 05:47:48

Run 1: Report of Indigo — Data Link



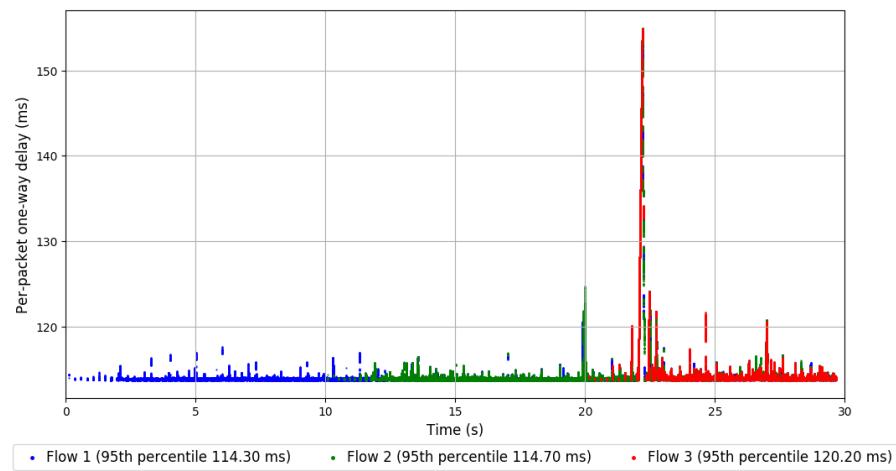
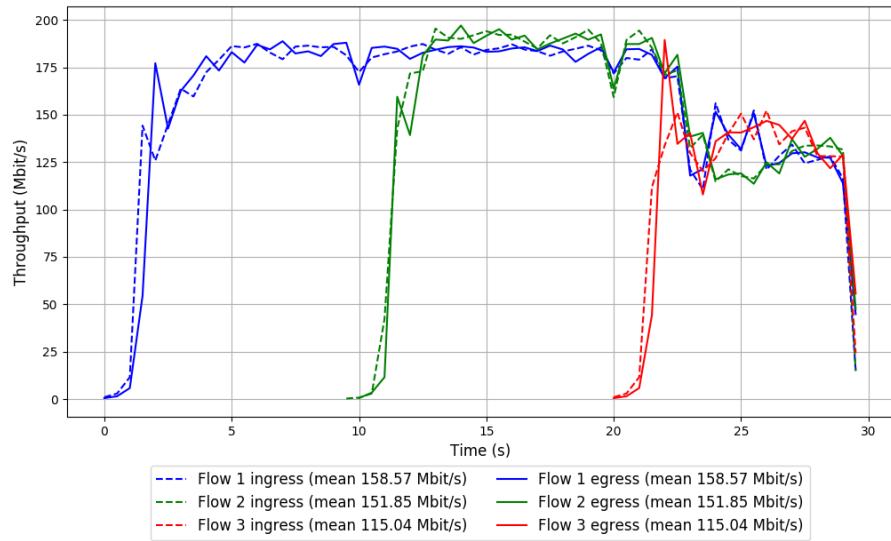
Run 2: Statistics of Indigo

Start at: 2017-10-12 06:00:32

End at: 2017-10-12 06:01:02

```
# Below is generated by plot.py at 2017-10-12 09:44:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 296.28 Mbit/s
95th percentile per-packet one-way delay: 114.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 158.57 Mbit/s
95th percentile per-packet one-way delay: 114.297 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 151.85 Mbit/s
95th percentile per-packet one-way delay: 114.700 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.04 Mbit/s
95th percentile per-packet one-way delay: 120.201 ms
Loss rate: 0.00%
```

## Run 2: Report of Indigo — Data Link

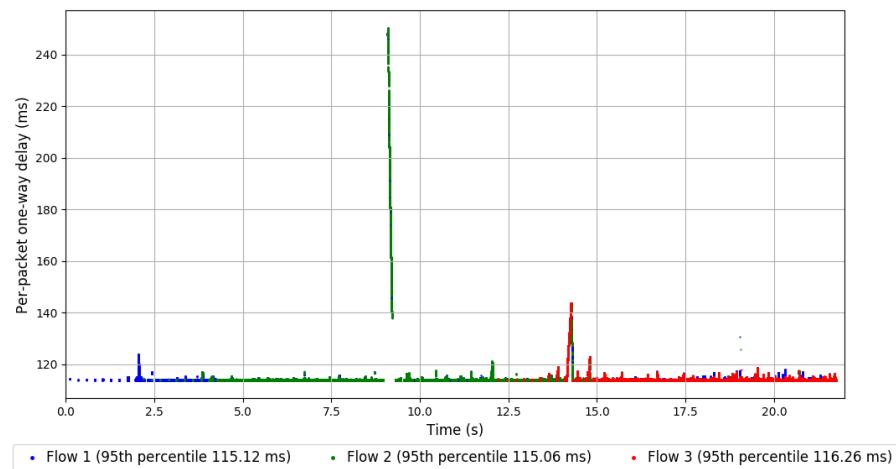
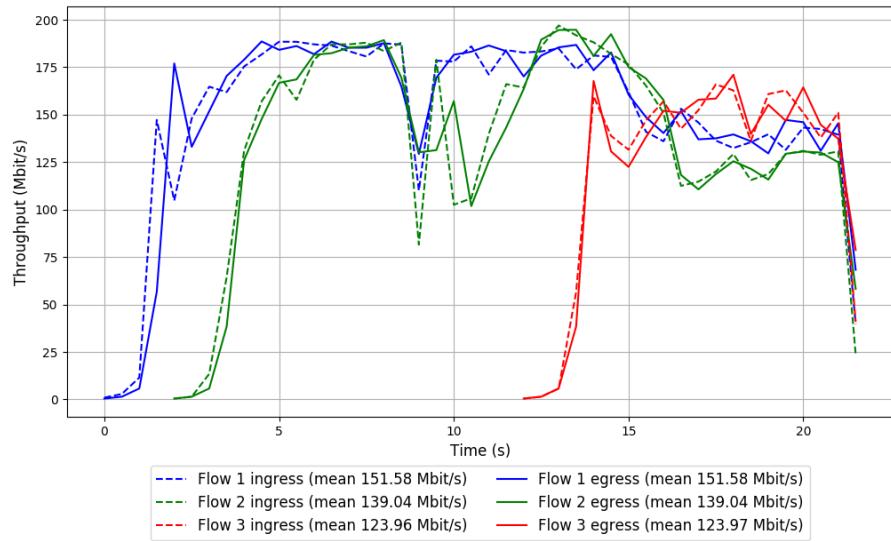


Run 3: Statistics of Indigo

Start at: 2017-10-12 06:13:58

End at: 2017-10-12 06:14:28

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

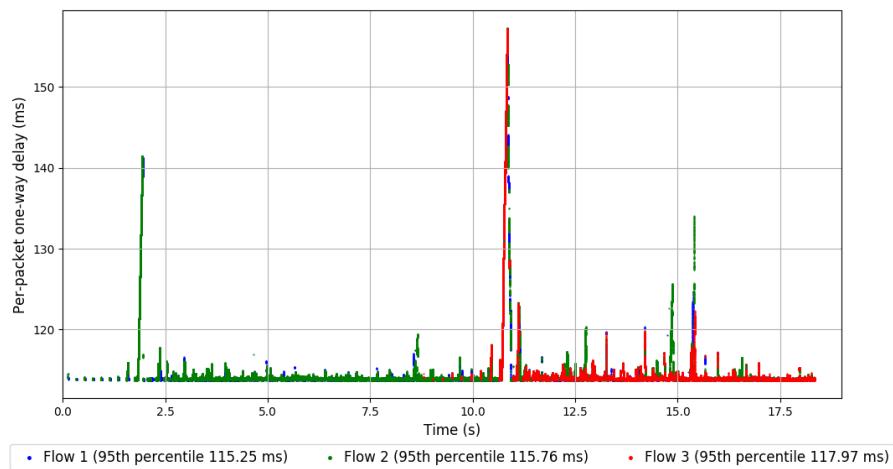
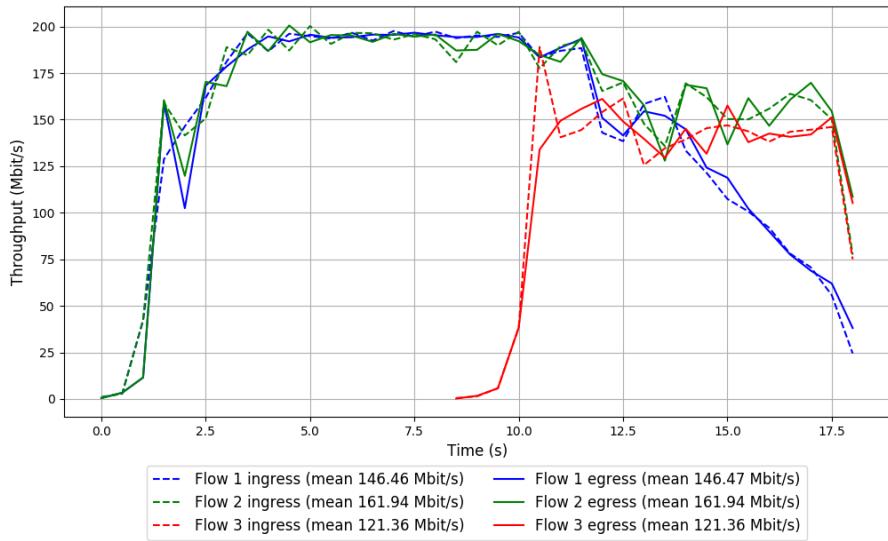


Run 4: Statistics of Indigo

Start at: 2017-10-12 06:27:31

End at: 2017-10-12 06:28:01

Run 4: Report of Indigo — Data Link



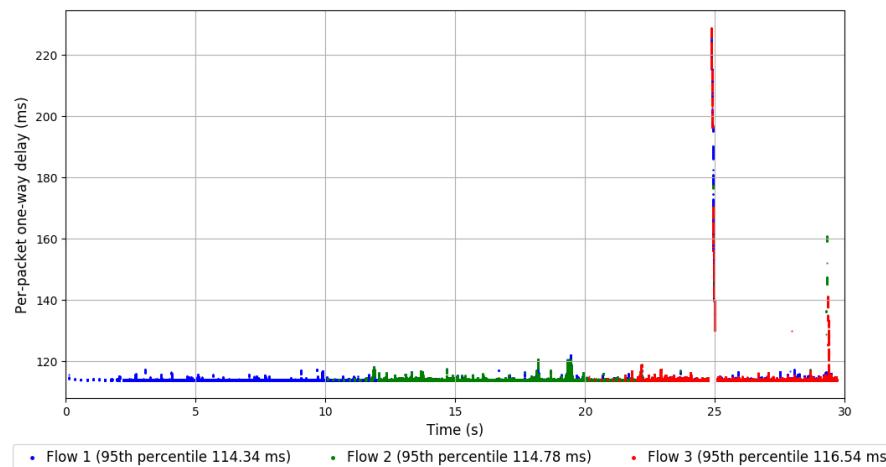
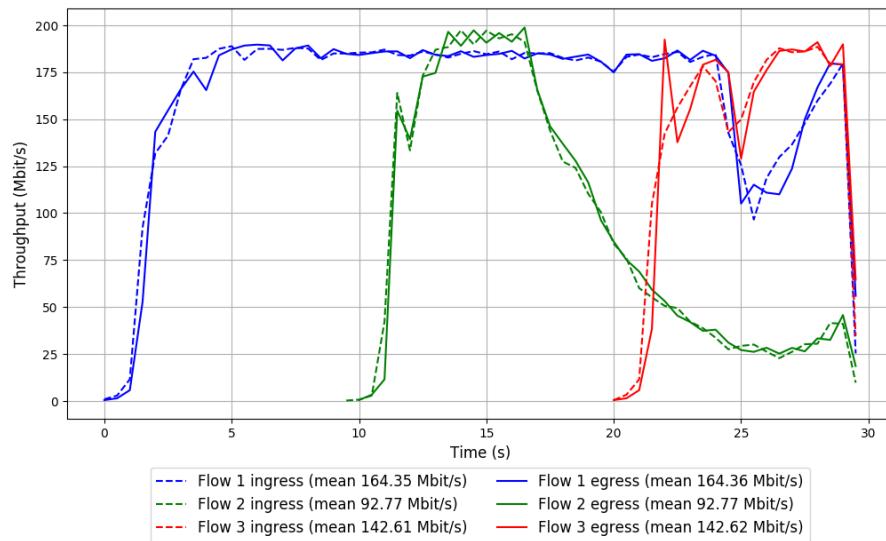
Run 5: Statistics of Indigo

Start at: 2017-10-12 06:40:50

End at: 2017-10-12 06:41:20

```
# Below is generated by plot.py at 2017-10-12 09:44:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 271.78 Mbit/s
95th percentile per-packet one-way delay: 114.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.36 Mbit/s
95th percentile per-packet one-way delay: 114.339 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: 114.780 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 142.62 Mbit/s
95th percentile per-packet one-way delay: 116.540 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

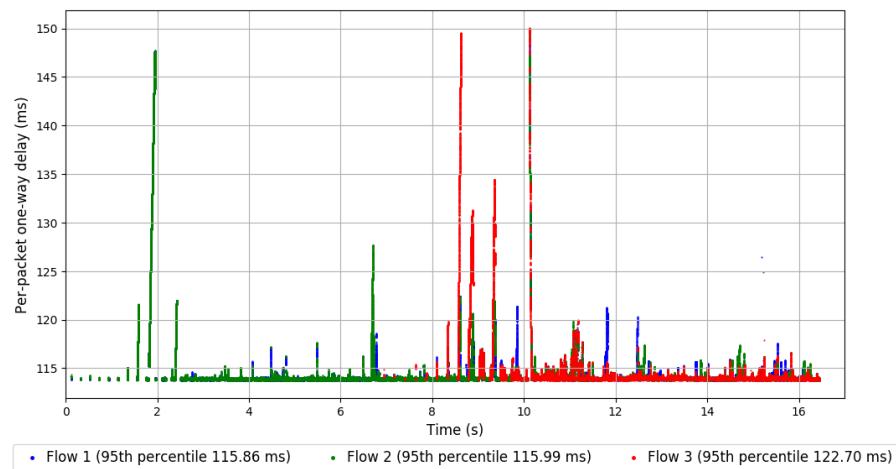
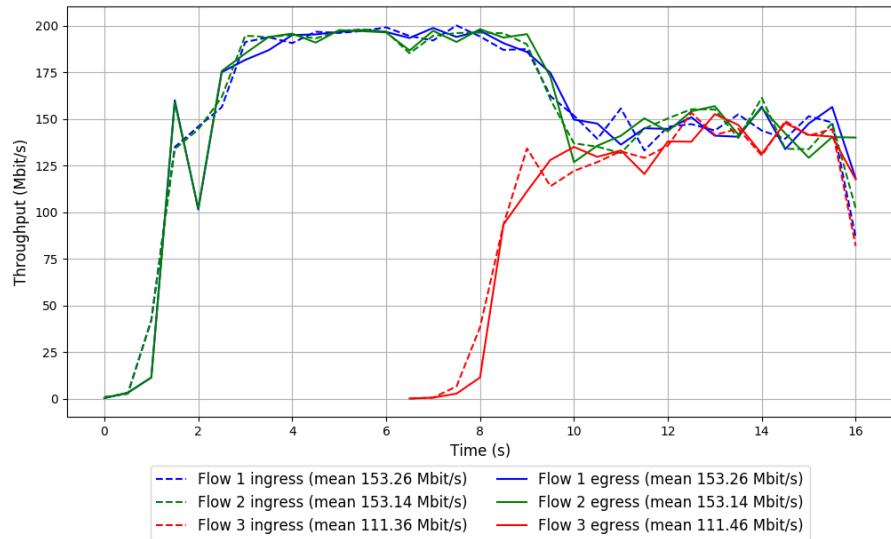


Run 6: Statistics of Indigo

Start at: 2017-10-12 06:54:23

End at: 2017-10-12 06:54:53

Run 6: Report of Indigo — Data Link

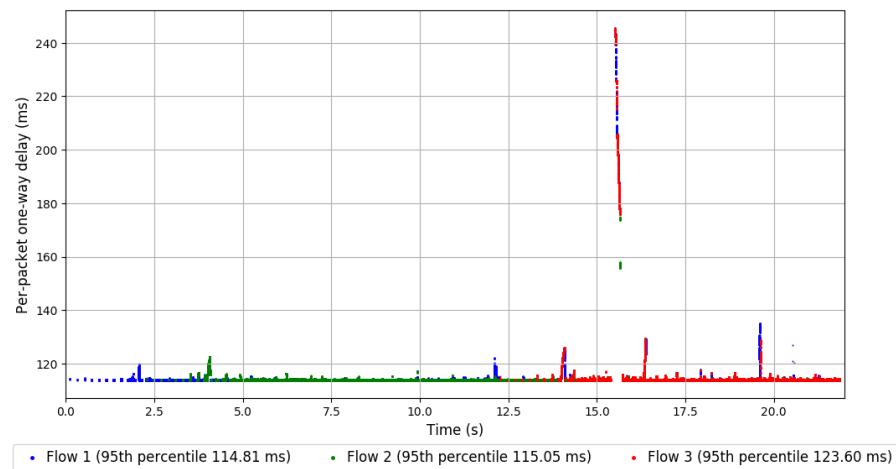
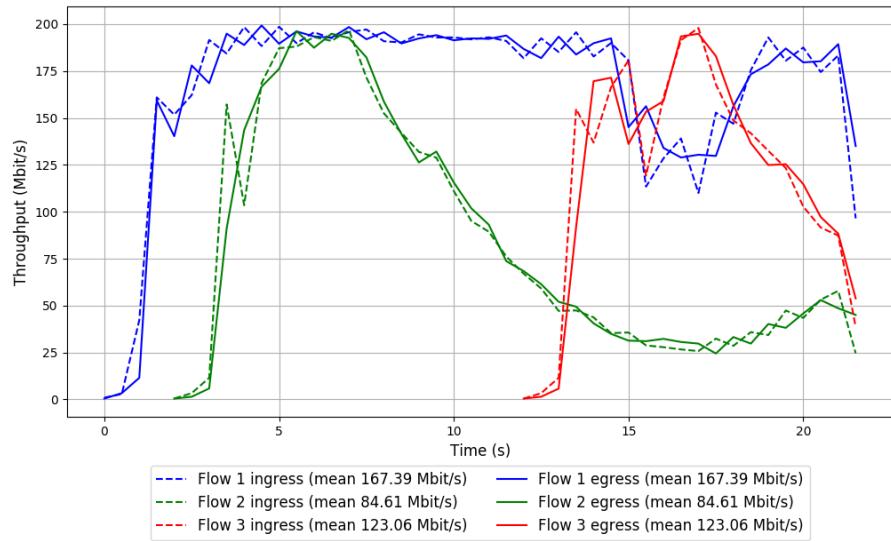


Run 7: Statistics of Indigo

Start at: 2017-10-12 07:07:51

End at: 2017-10-12 07:08:21

Run 7: Report of Indigo — Data Link



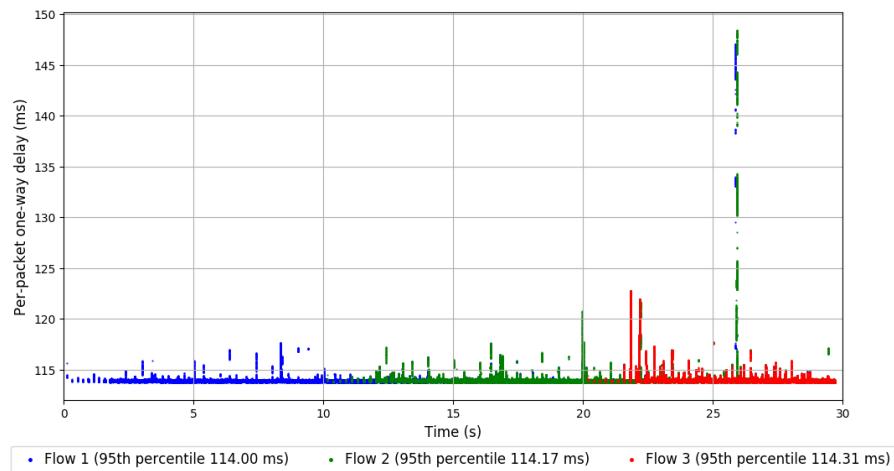
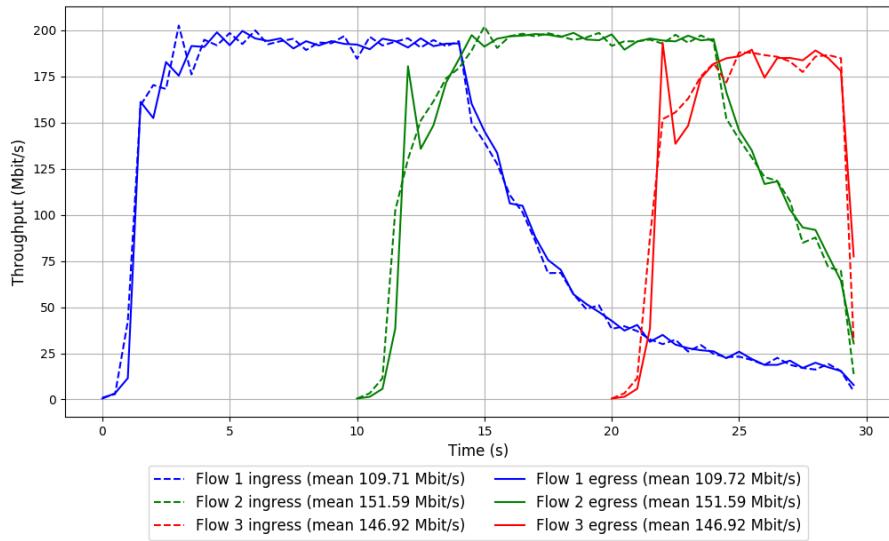
Run 8: Statistics of Indigo

Start at: 2017-10-12 07:21:02

End at: 2017-10-12 07:21:32

```
# Below is generated by plot.py at 2017-10-12 09:45:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 256.94 Mbit/s
95th percentile per-packet one-way delay: 114.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 109.72 Mbit/s
95th percentile per-packet one-way delay: 114.005 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 151.59 Mbit/s
95th percentile per-packet one-way delay: 114.172 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 146.92 Mbit/s
95th percentile per-packet one-way delay: 114.309 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link



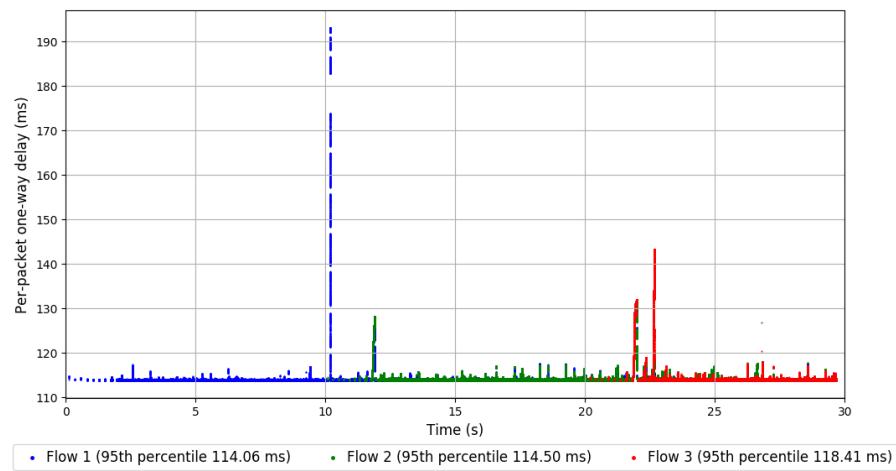
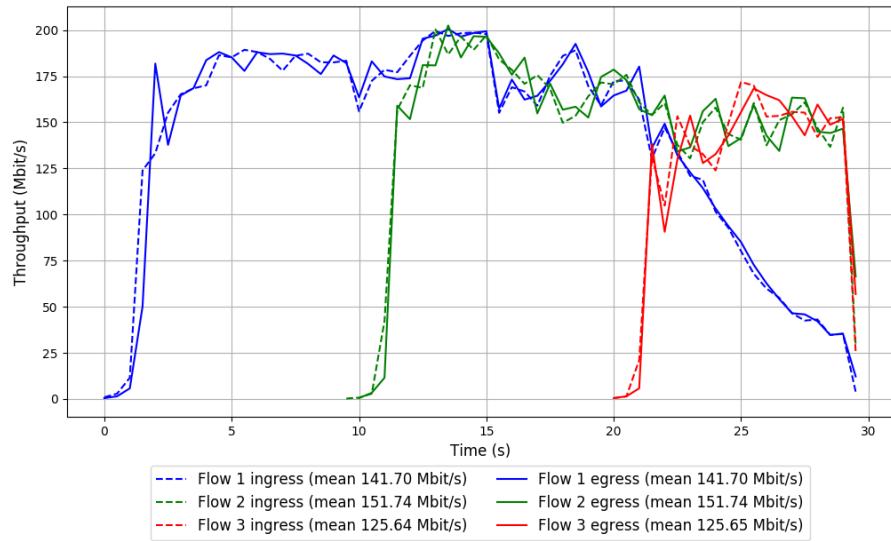
Run 9: Statistics of Indigo

Start at: 2017-10-12 07:34:35

End at: 2017-10-12 07:35:05

```
# Below is generated by plot.py at 2017-10-12 09:45:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 282.45 Mbit/s
95th percentile per-packet one-way delay: 114.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 141.70 Mbit/s
95th percentile per-packet one-way delay: 114.056 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 151.74 Mbit/s
95th percentile per-packet one-way delay: 114.502 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 125.65 Mbit/s
95th percentile per-packet one-way delay: 118.405 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-10-12 07:48:10

End at: 2017-10-12 07:48:40

## Run 10: Report of Indigo — Data Link

