

## Pantheon Report

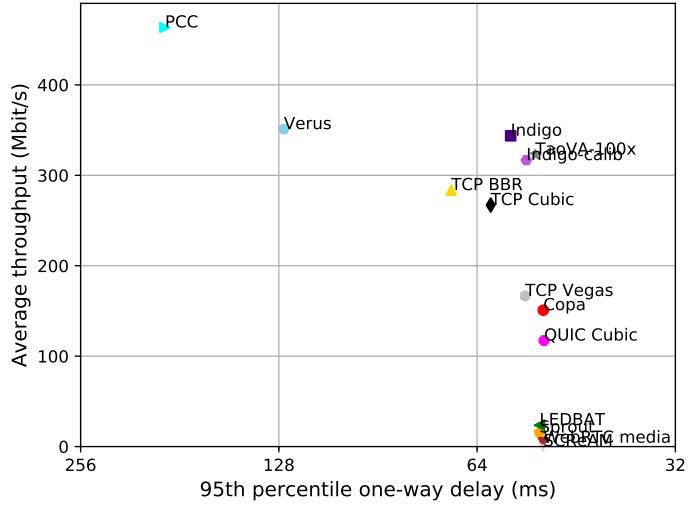
Generated at 2017-12-01 08:49:41 (UTC).  
Data path: GCE Iowa Ethernet (*local*) → GCE London Ethernet (*remote*).  
Repeated the test of 14 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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**).

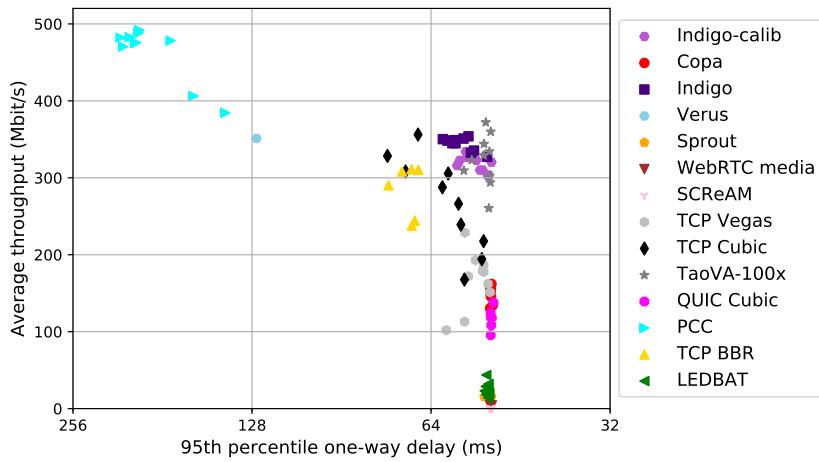
Git summary:

```
branch: indigos @ e3a57ad5ac5cfccaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfe446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
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 @ 57caa40858b964906edff4876d5a7e5bfff666c5
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 @ f1a14bf7e749737437f61b1eaeeb30b267cde681
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 London 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 London Ethernet, 10 runs of 30s each per scheme  
 3 flows with 10s interval between flows



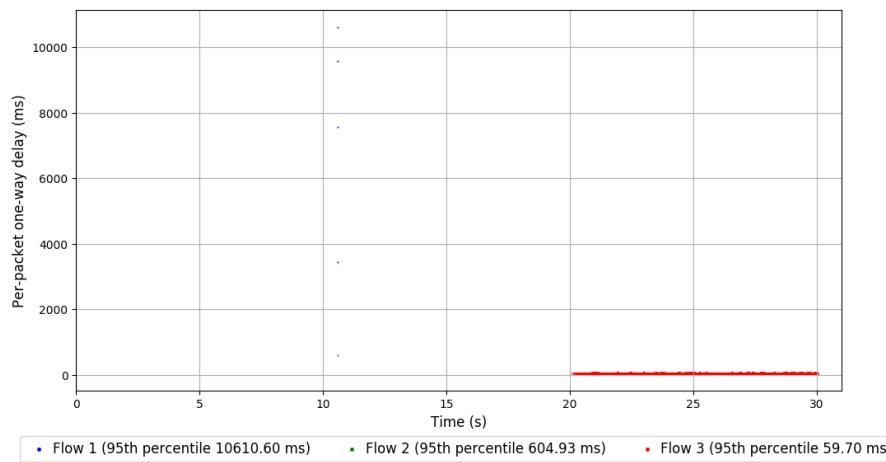
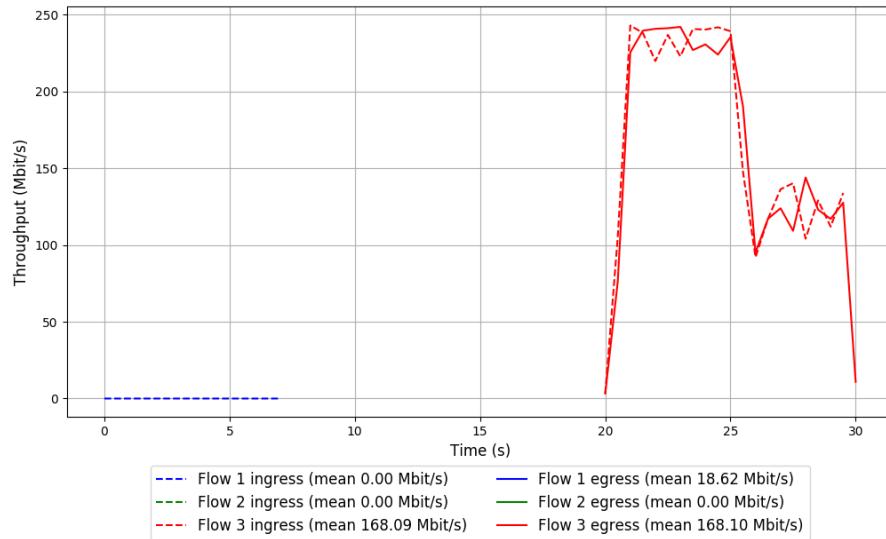
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	6	124.86	147.11	184.40	65.39	68.58	75.25	0.00	0.01	0.09
TCP Cubic	10	129.04	132.13	151.40	59.82	60.49	62.35	0.05	0.02	0.02
LEDBAT	10	12.62	12.28	8.54	51.45	51.31	51.19	0.13	0.05	0.01
PCC	10	437.95	27.41	22.34	190.66	186.22	164.48	1.34	1.42	1.57
QUIC Cubic	7	63.41	59.54	43.88	50.39	50.33	50.16	0.00	0.01	0.00
SCReAM	10	0.22	0.22	0.22	50.54	50.62	50.71	0.00	0.00	0.00
WebRTC media	10	2.26	1.43	0.60	50.63	50.78	50.69	0.05	0.00	0.01
Sprout	10	7.91	7.81	7.58	51.44	51.55	51.44	0.01	0.01	0.00
TaoVA-100x	10	179.12	161.41	142.65	51.13	52.70	58.28	0.00	0.00	0.00
TCP Vegas	10	84.49	81.14	84.84	53.03	53.72	52.90	0.01	0.01	0.05
Verus	1	159.42	170.43	142.10	122.10	122.53	145.48	0.19	0.29	1.28
Copa	10	80.65	78.89	68.90	50.74	50.72	50.82	0.01	0.02	4.64
Indigo	10	183.34	172.75	141.30	55.49	57.39	59.60	0.00	0.00	0.00
Indigo-calib	10	164.44	158.92	145.22	52.03	54.05	56.73	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2017-12-01 04:32:30

End at: 2017-12-01 04:33:00

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

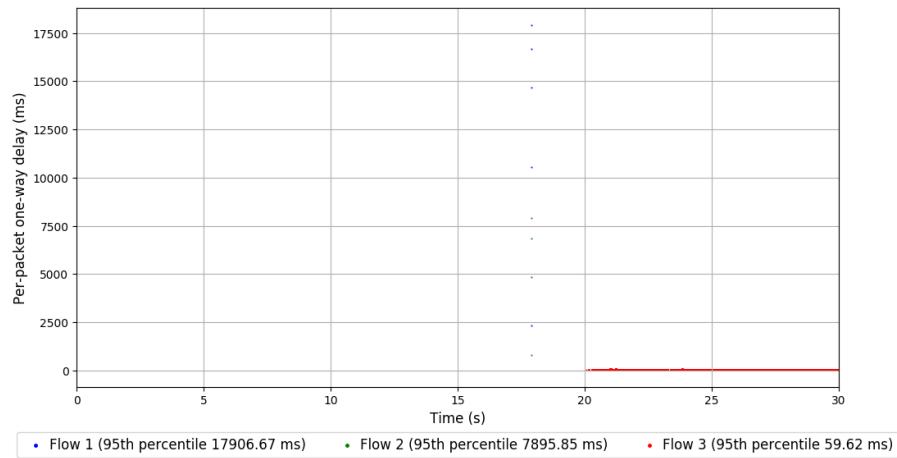
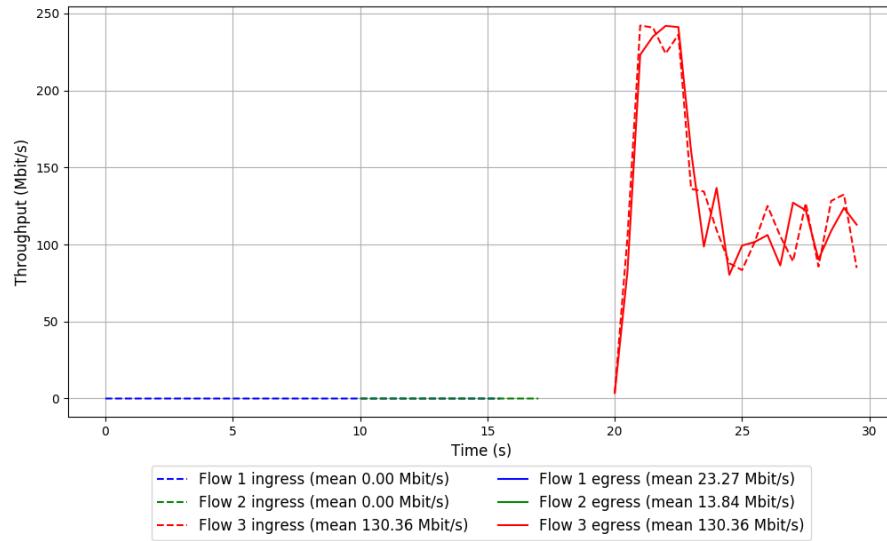


Run 2: Statistics of TCP BBR

Start at: 2017-12-01 04:44:21

End at: 2017-12-01 04:44:51

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



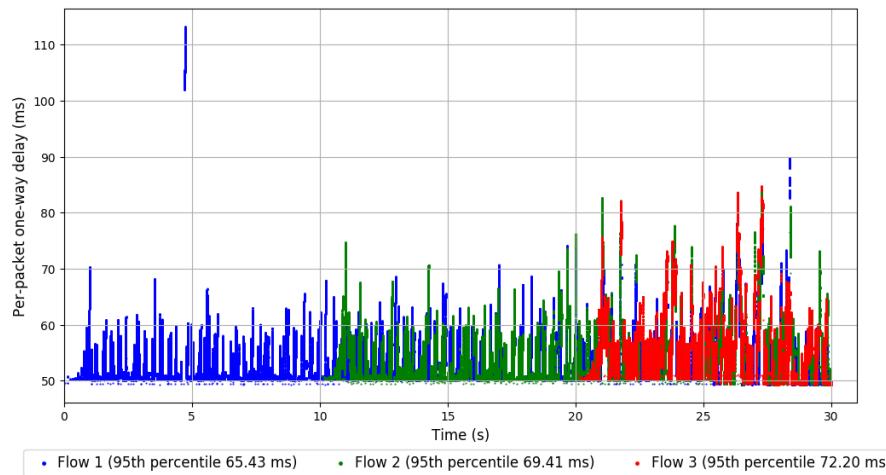
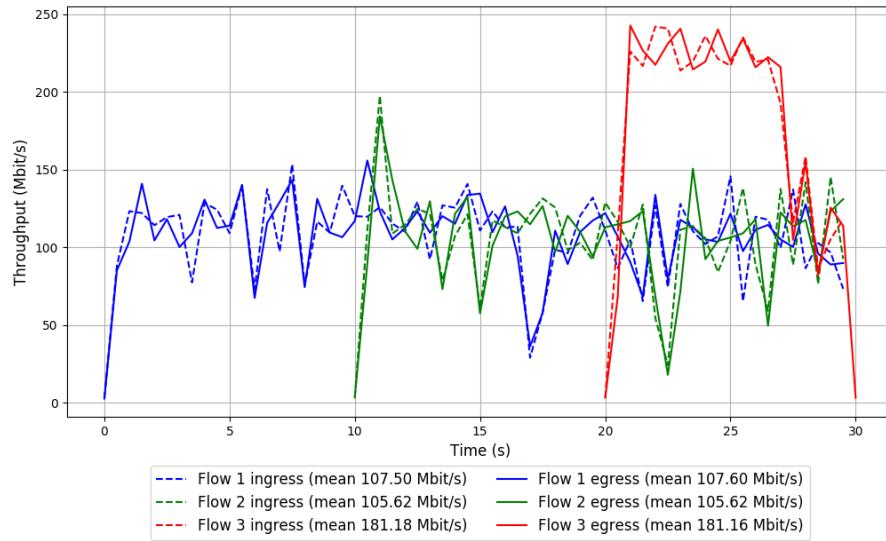
Run 3: Statistics of TCP BBR

Start at: 2017-12-01 04:56:00

End at: 2017-12-01 04:56:30

```
# Below is generated by plot.py at 2017-12-01 07:50:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 237.73 Mbit/s
95th percentile per-packet one-way delay: 68.946 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 107.60 Mbit/s
95th percentile per-packet one-way delay: 65.429 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 105.62 Mbit/s
95th percentile per-packet one-way delay: 69.412 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 181.16 Mbit/s
95th percentile per-packet one-way delay: 72.204 ms
Loss rate: 0.03%
```

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

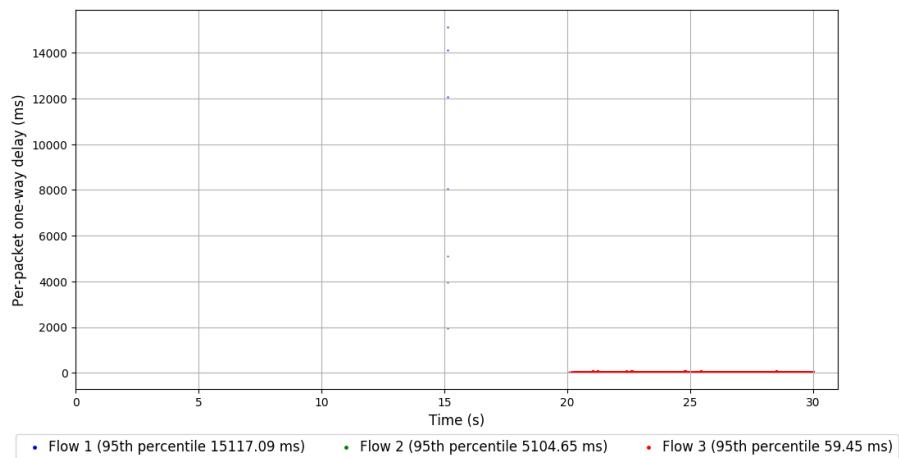
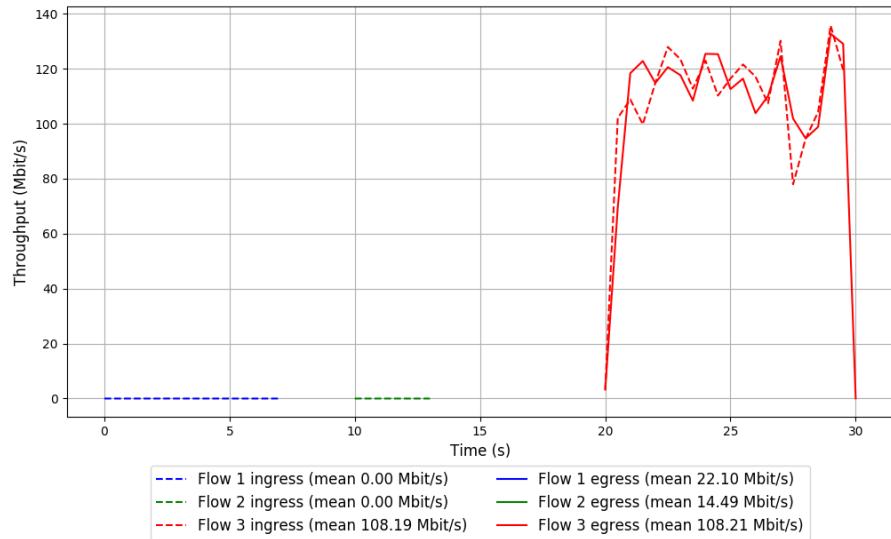


Run 4: Statistics of TCP BBR

Start at: 2017-12-01 05:07:53

End at: 2017-12-01 05:08:23

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



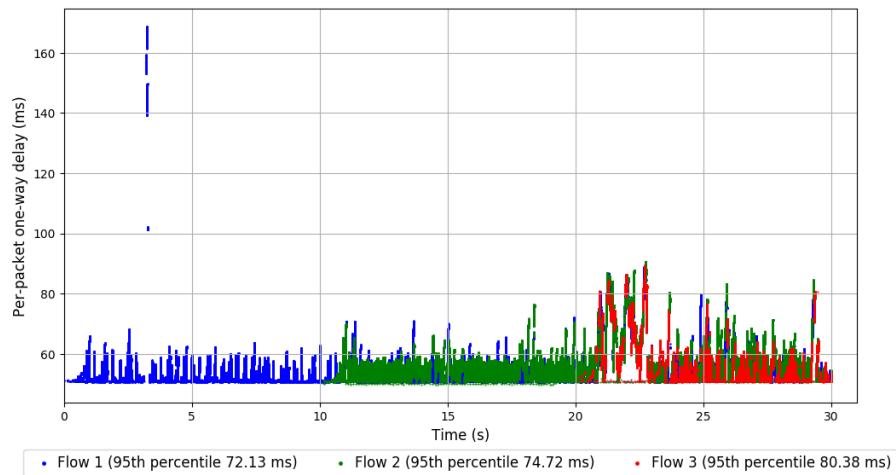
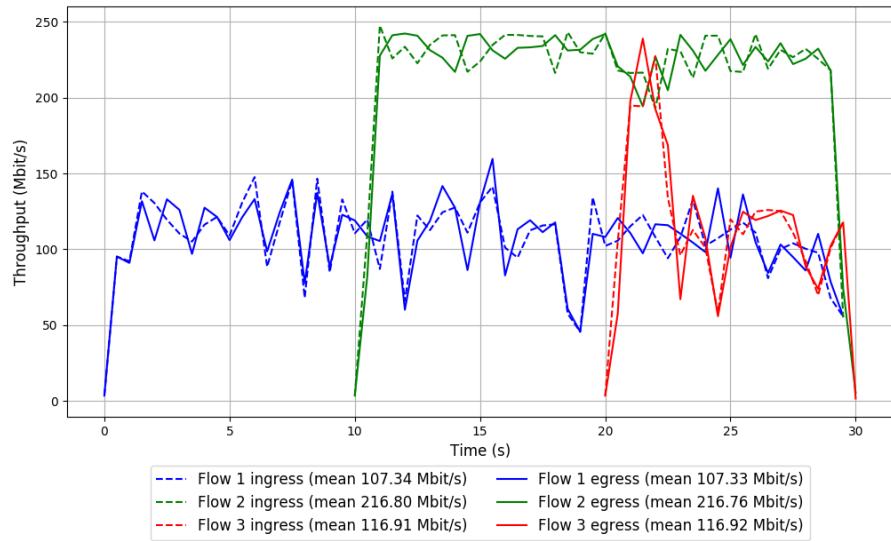
Run 5: Statistics of TCP BBR

Start at: 2017-12-01 05:19:31

End at: 2017-12-01 05:20:01

```
# Below is generated by plot.py at 2017-12-01 07:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 290.19 Mbit/s
95th percentile per-packet one-way delay: 75.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.33 Mbit/s
95th percentile per-packet one-way delay: 72.128 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 216.76 Mbit/s
95th percentile per-packet one-way delay: 74.725 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.92 Mbit/s
95th percentile per-packet one-way delay: 80.383 ms
Loss rate: 0.00%
```

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

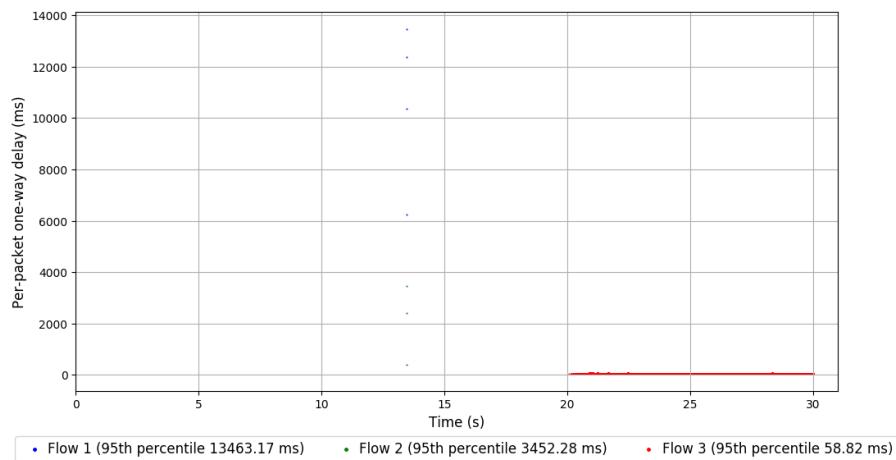
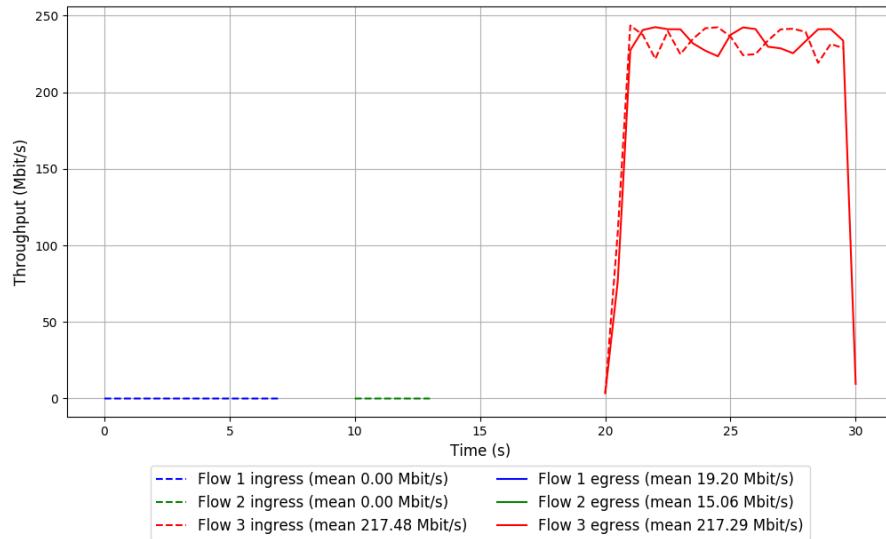


Run 6: Statistics of TCP BBR

Start at: 2017-12-01 05:31:44

End at: 2017-12-01 05:32:14

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



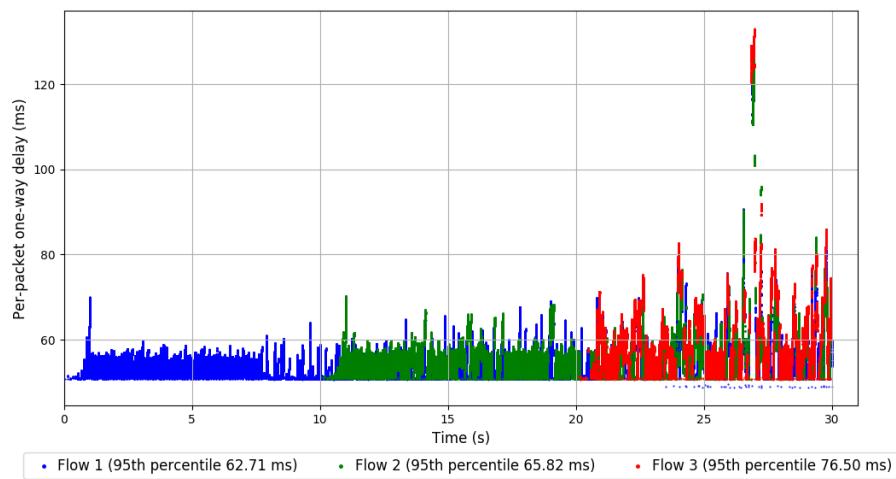
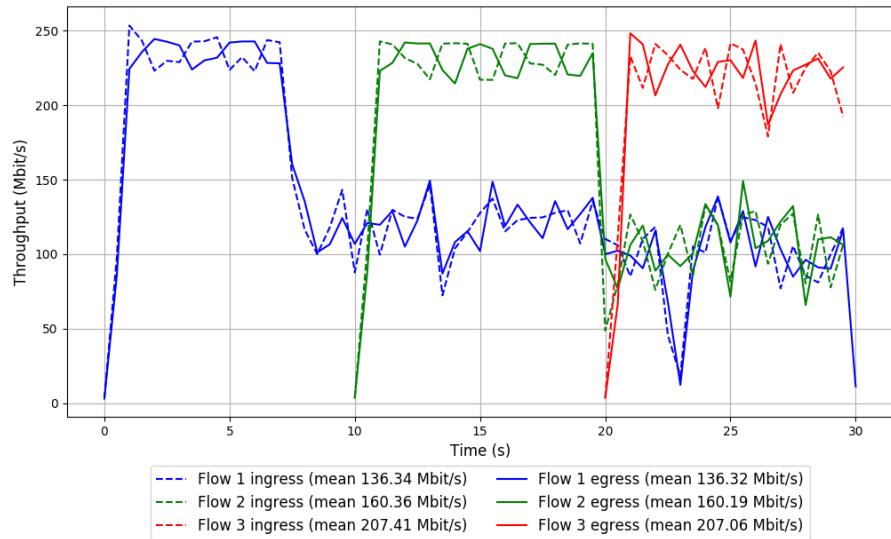
Run 7: Statistics of TCP BBR

Start at: 2017-12-01 05:43:38

End at: 2017-12-01 05:44:08

```
# Below is generated by plot.py at 2017-12-01 07:51:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 311.24 Mbit/s
95th percentile per-packet one-way delay: 69.010 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.32 Mbit/s
95th percentile per-packet one-way delay: 62.710 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 160.19 Mbit/s
95th percentile per-packet one-way delay: 65.824 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 207.06 Mbit/s
95th percentile per-packet one-way delay: 76.503 ms
Loss rate: 0.00%
```

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



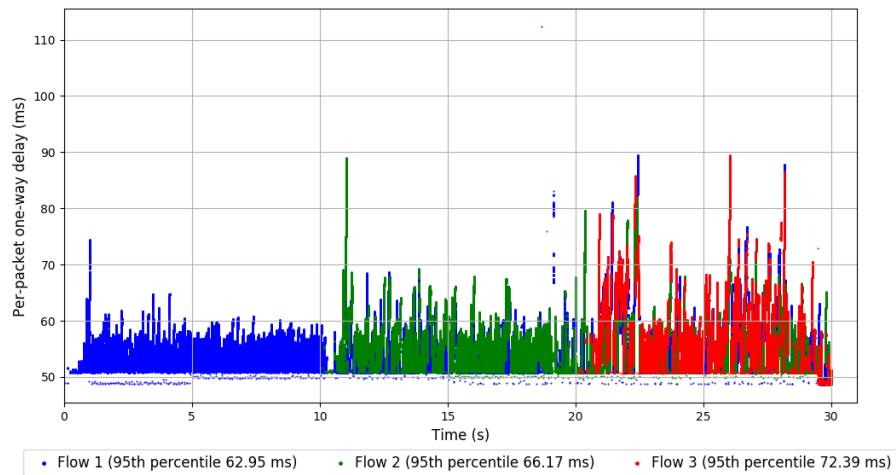
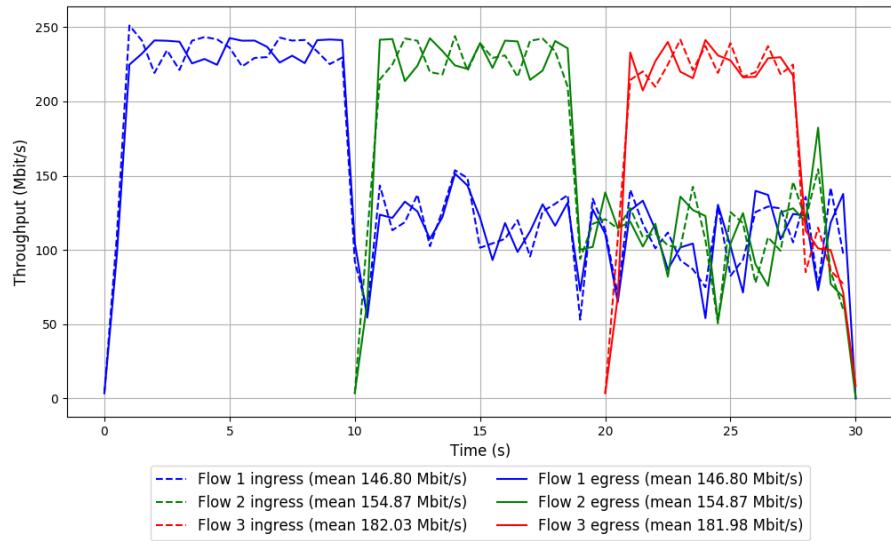
Run 8: Statistics of TCP BBR

Start at: 2017-12-01 05:55:46

End at: 2017-12-01 05:56:16

```
# Below is generated by plot.py at 2017-12-01 07:51:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 310.23 Mbit/s
95th percentile per-packet one-way delay: 67.225 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 146.80 Mbit/s
95th percentile per-packet one-way delay: 62.948 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 154.87 Mbit/s
95th percentile per-packet one-way delay: 66.168 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 181.98 Mbit/s
95th percentile per-packet one-way delay: 72.385 ms
Loss rate: 0.03%
```

Run 8: Report of TCP BBR — Data Link



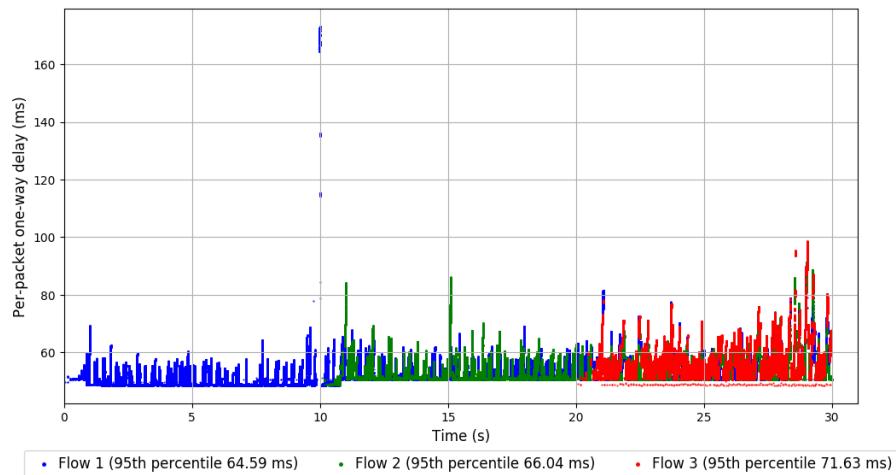
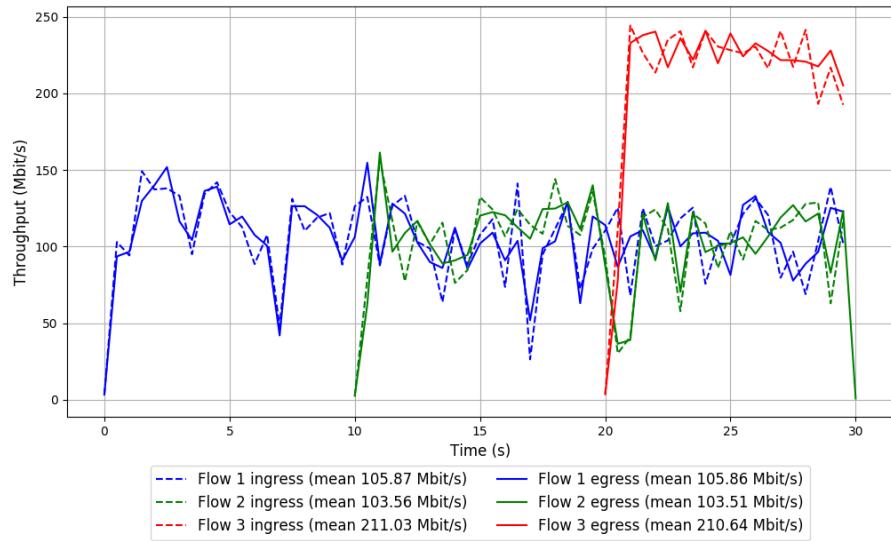
Run 9: Statistics of TCP BBR

Start at: 2017-12-01 06:07:55

End at: 2017-12-01 06:08:25

```
# Below is generated by plot.py at 2017-12-01 07:51:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 244.32 Mbit/s
95th percentile per-packet one-way delay: 68.176 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 105.86 Mbit/s
95th percentile per-packet one-way delay: 64.595 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 103.51 Mbit/s
95th percentile per-packet one-way delay: 66.038 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 210.64 Mbit/s
95th percentile per-packet one-way delay: 71.630 ms
Loss rate: 0.00%
```

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



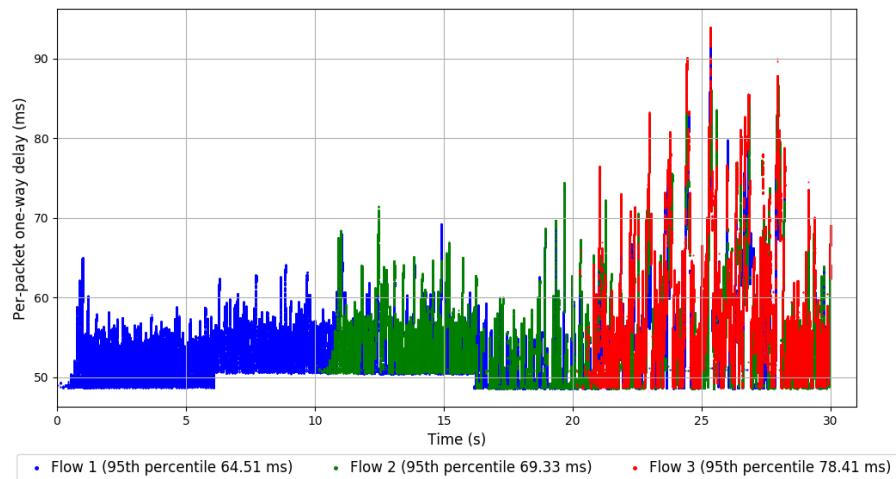
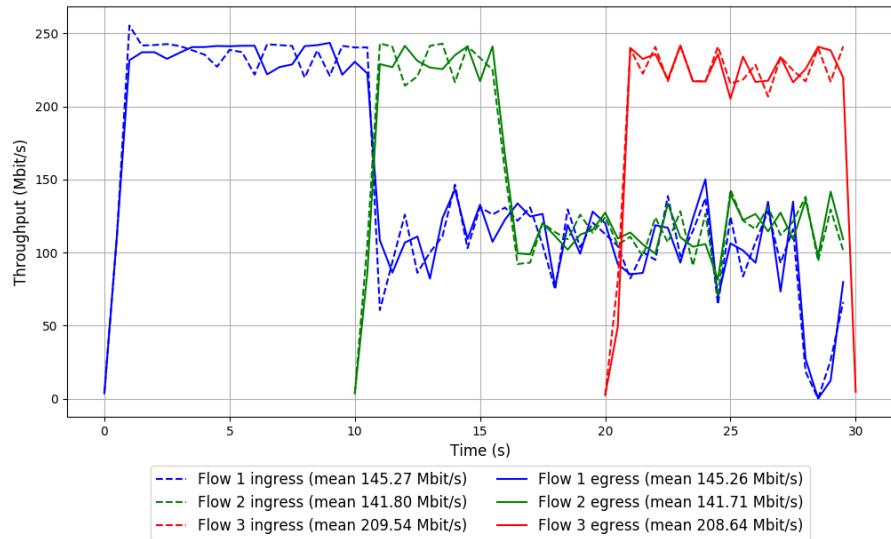
Run 10: Statistics of TCP BBR

Start at: 2017-12-01 06:20:09

End at: 2017-12-01 06:20:39

```
# Below is generated by plot.py at 2017-12-01 07:51:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 308.21 Mbit/s
95th percentile per-packet one-way delay: 71.605 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 145.26 Mbit/s
95th percentile per-packet one-way delay: 64.514 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 141.71 Mbit/s
95th percentile per-packet one-way delay: 69.334 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 208.64 Mbit/s
95th percentile per-packet one-way delay: 78.409 ms
Loss rate: 0.47%
```

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

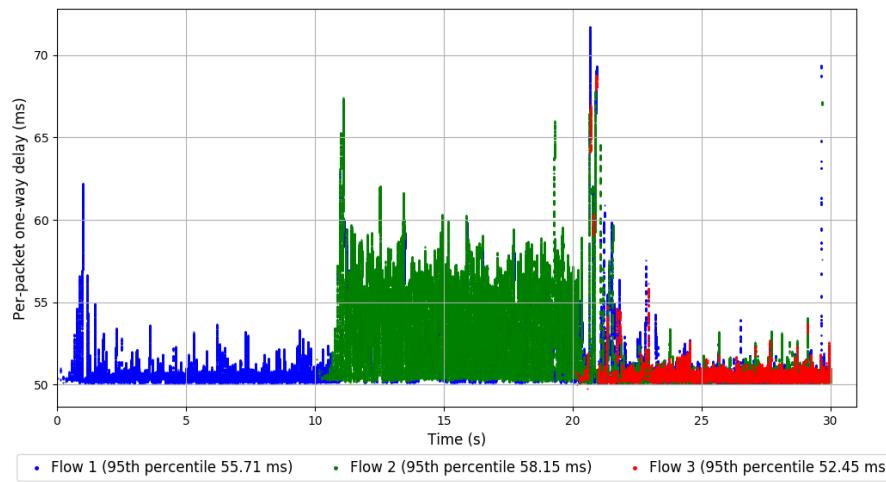
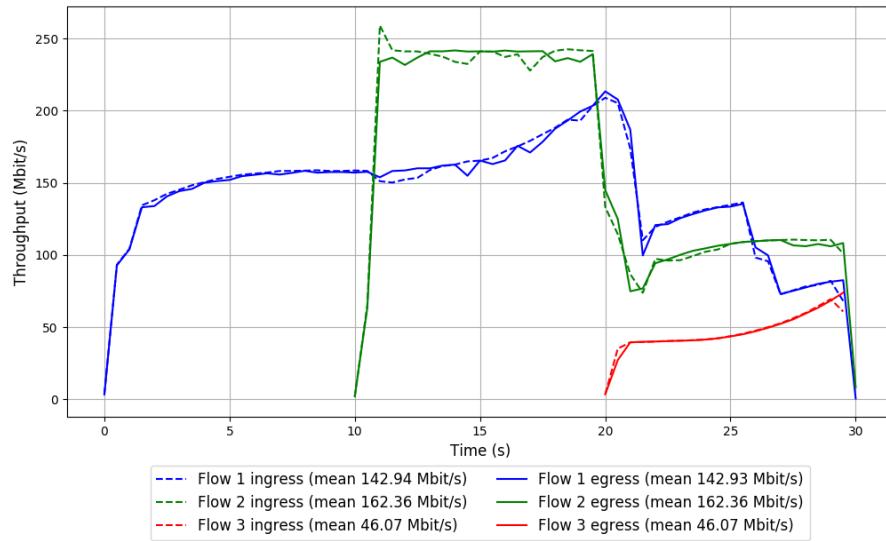


```
Run 1: Statistics of TCP Cubic

Start at: 2017-12-01 04:21:55
End at: 2017-12-01 04:22:25

# Below is generated by plot.py at 2017-12-01 07:51:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 266.26 Mbit/s
95th percentile per-packet one-way delay: 57.537 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 142.93 Mbit/s
95th percentile per-packet one-way delay: 55.711 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 162.36 Mbit/s
95th percentile per-packet one-way delay: 58.147 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.07 Mbit/s
95th percentile per-packet one-way delay: 52.449 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Cubic — Data Link



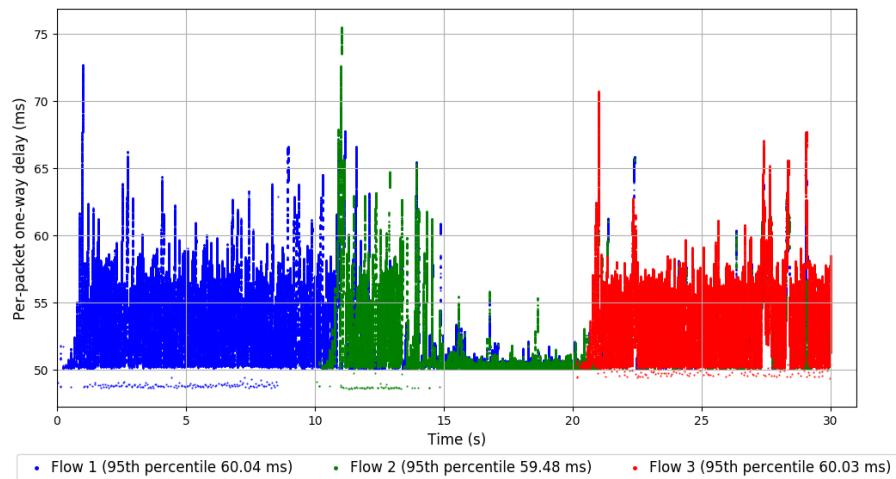
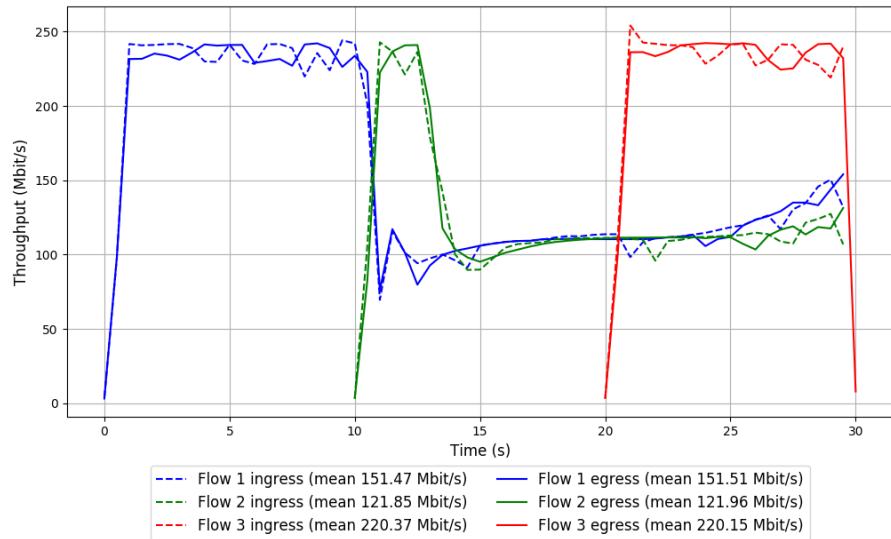
```
Run 2: Statistics of TCP Cubic
```

```
Start at: 2017-12-01 04:33:52
```

```
End at: 2017-12-01 04:34:22
```

```
# Below is generated by plot.py at 2017-12-01 07:52:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 305.56 Mbit/s
95th percentile per-packet one-way delay: 59.887 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 151.51 Mbit/s
95th percentile per-packet one-way delay: 60.037 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 121.96 Mbit/s
95th percentile per-packet one-way delay: 59.485 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 220.15 Mbit/s
95th percentile per-packet one-way delay: 60.032 ms
Loss rate: 0.03%
```

Run 2: Report of TCP Cubic — Data Link



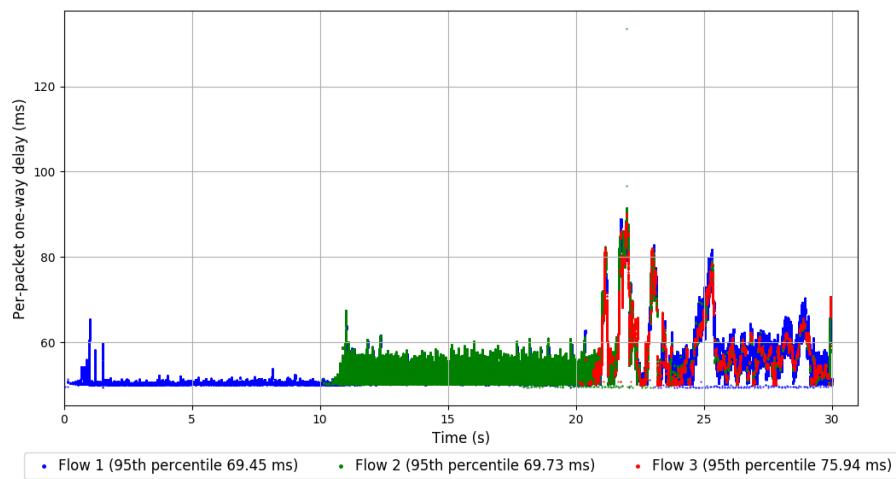
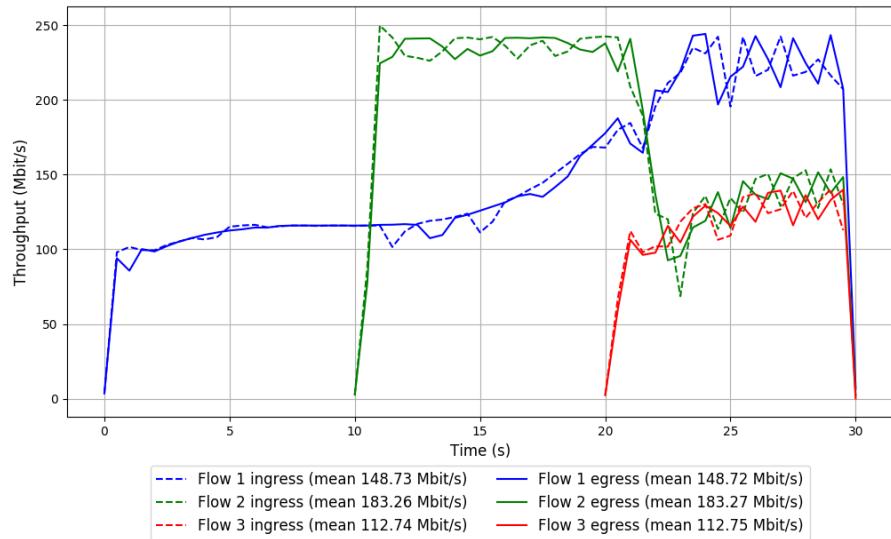
```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2017-12-01 04:45:43
```

```
End at: 2017-12-01 04:46:13
```

```
# Below is generated by plot.py at 2017-12-01 07:55:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 308.20 Mbit/s
95th percentile per-packet one-way delay: 70.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.72 Mbit/s
95th percentile per-packet one-way delay: 69.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 183.27 Mbit/s
95th percentile per-packet one-way delay: 69.729 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 112.75 Mbit/s
95th percentile per-packet one-way delay: 75.936 ms
Loss rate: 0.00%
```

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



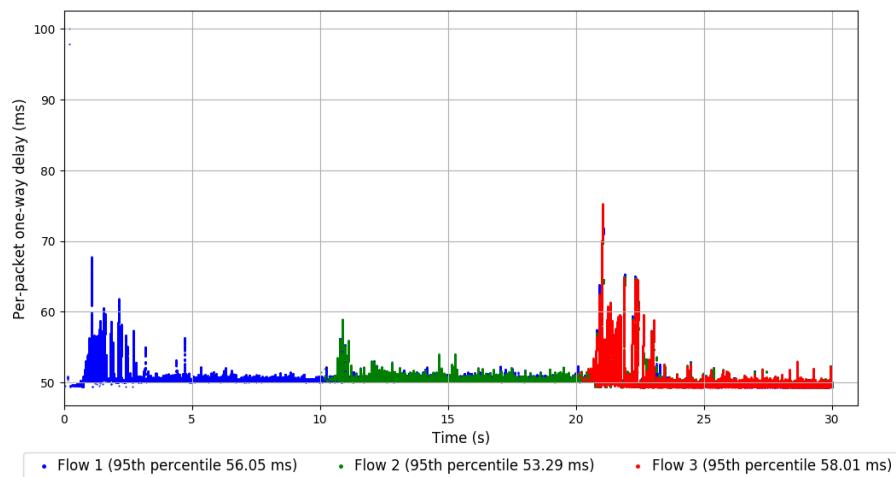
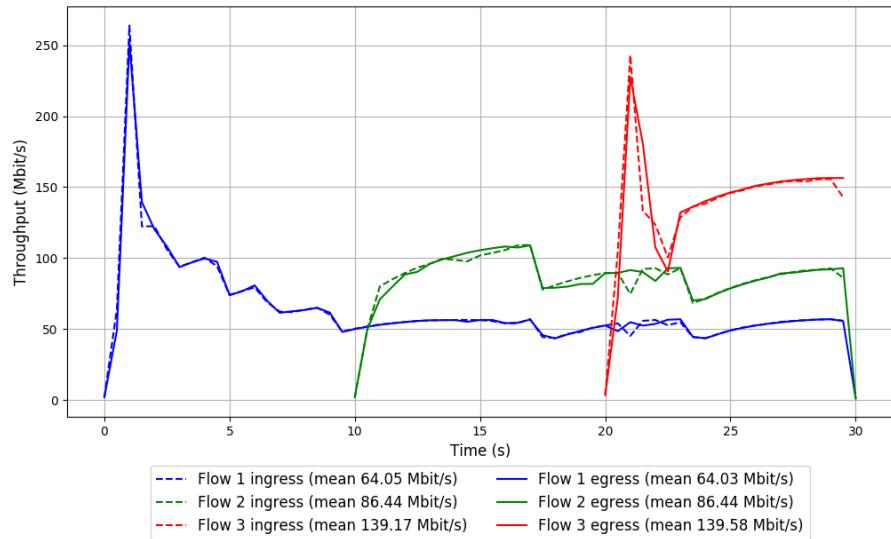
```
Run 4: Statistics of TCP Cubic
```

```
Start at: 2017-12-01 04:57:35
```

```
End at: 2017-12-01 04:58:05
```

```
# Below is generated by plot.py at 2017-12-01 07:55:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 167.74 Mbit/s
95th percentile per-packet one-way delay: 56.240 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 64.03 Mbit/s
95th percentile per-packet one-way delay: 56.054 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 86.44 Mbit/s
95th percentile per-packet one-way delay: 53.288 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 139.58 Mbit/s
95th percentile per-packet one-way delay: 58.008 ms
Loss rate: 0.01%
```

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



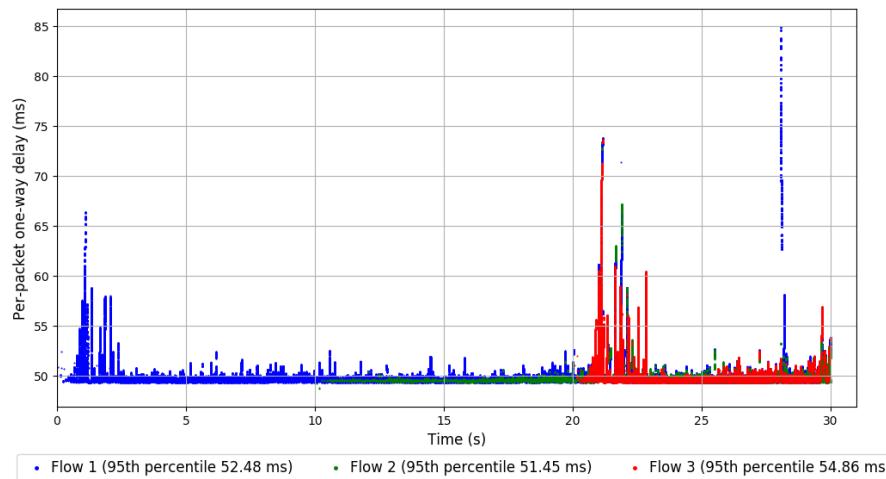
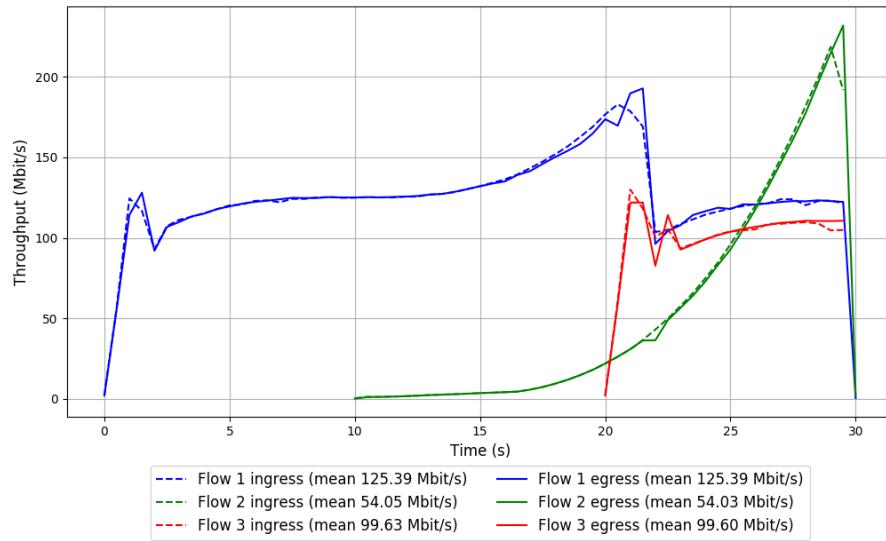
```
Run 5: Statistics of TCP Cubic
```

```
Start at: 2017-12-01 05:09:15
```

```
End at: 2017-12-01 05:09:45
```

```
# Below is generated by plot.py at 2017-12-01 07:55:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 194.33 Mbit/s
95th percentile per-packet one-way delay: 52.577 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 125.39 Mbit/s
95th percentile per-packet one-way delay: 52.480 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.03 Mbit/s
95th percentile per-packet one-way delay: 51.452 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 99.60 Mbit/s
95th percentile per-packet one-way delay: 54.857 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Cubic — Data Link

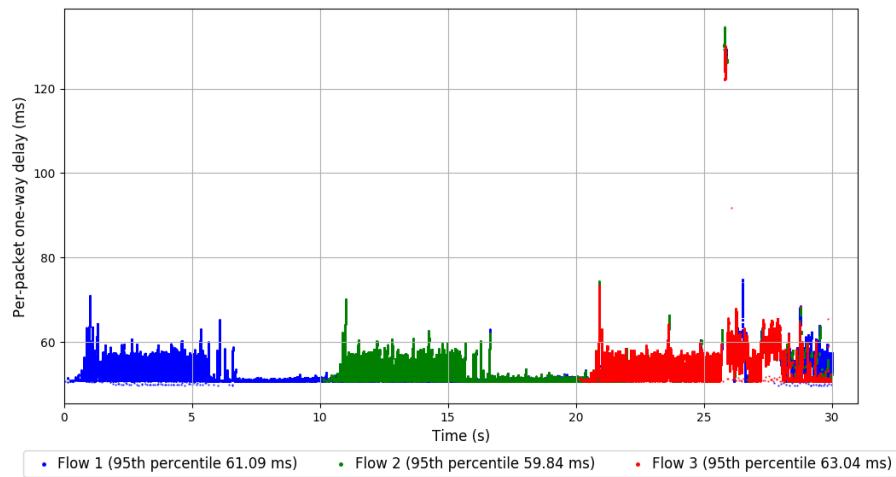
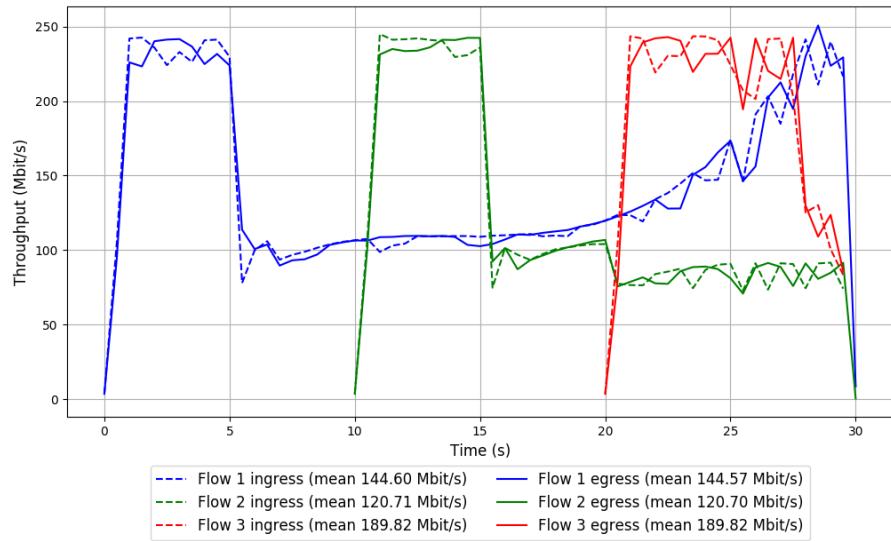


```
Run 6: Statistics of TCP Cubic

Start at: 2017-12-01 05:21:09
End at: 2017-12-01 05:21:39

# Below is generated by plot.py at 2017-12-01 07:56:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 287.71 Mbit/s
95th percentile per-packet one-way delay: 61.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 144.57 Mbit/s
95th percentile per-packet one-way delay: 61.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 120.70 Mbit/s
95th percentile per-packet one-way delay: 59.844 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 189.82 Mbit/s
95th percentile per-packet one-way delay: 63.044 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Cubic — Data Link



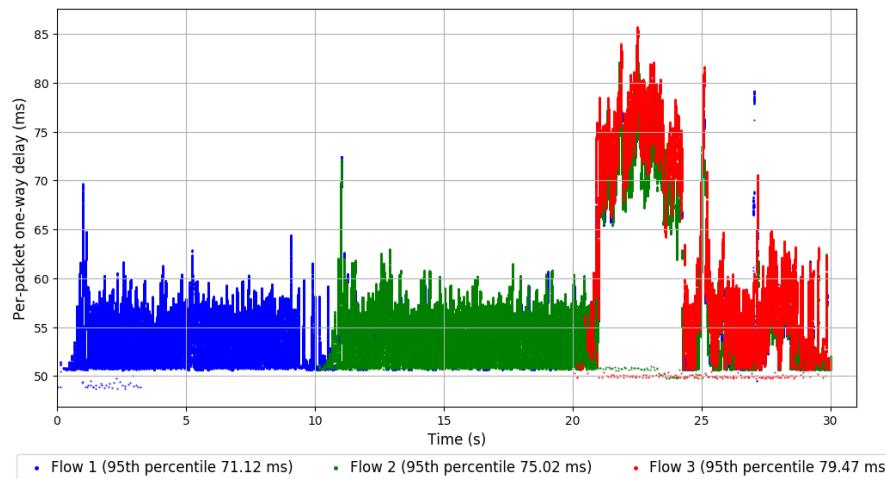
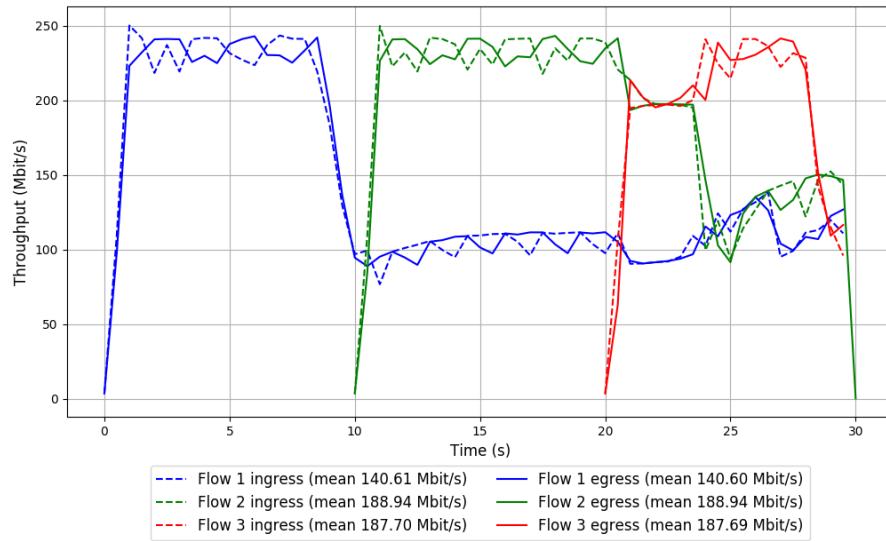
Run 7: Statistics of TCP Cubic

Start at: 2017-12-01 05:33:07

End at: 2017-12-01 05:33:37

```
# Below is generated by plot.py at 2017-12-01 07:56:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 328.50 Mbit/s
95th percentile per-packet one-way delay: 75.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 140.60 Mbit/s
95th percentile per-packet one-way delay: 71.117 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 188.94 Mbit/s
95th percentile per-packet one-way delay: 75.017 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 187.69 Mbit/s
95th percentile per-packet one-way delay: 79.466 ms
Loss rate: 0.00%
```

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



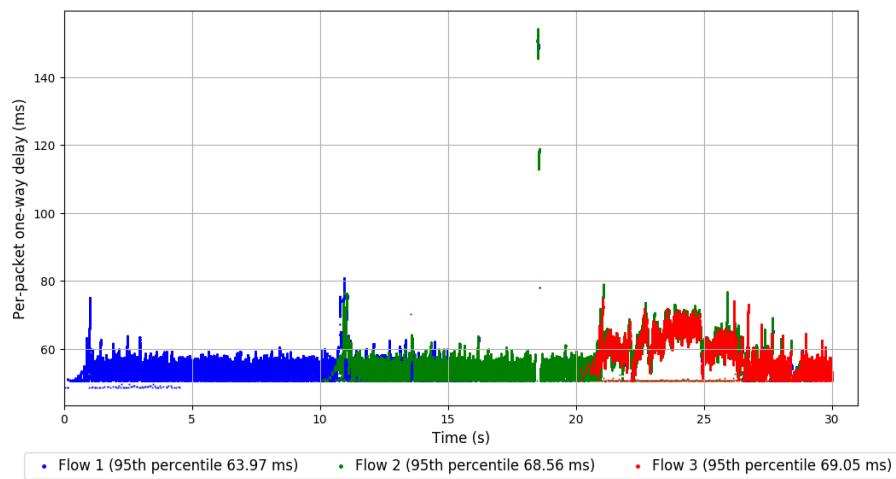
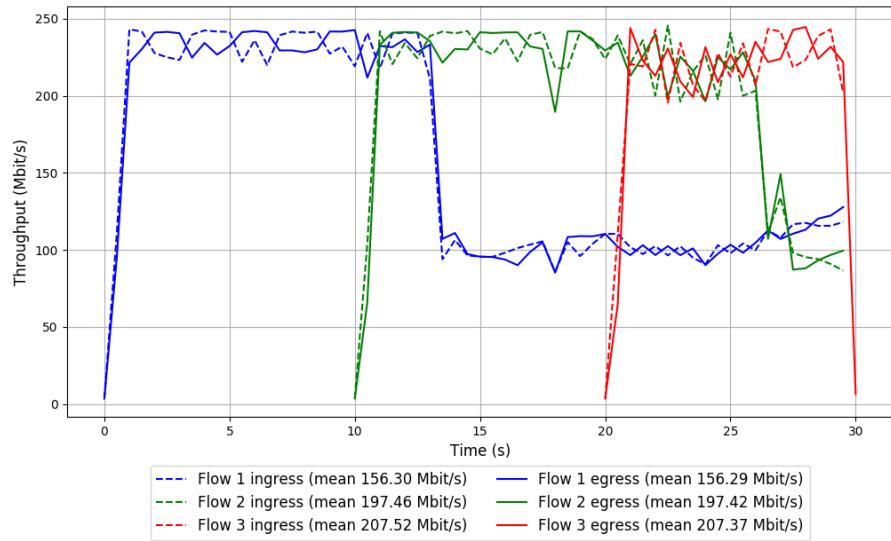
```
Run 8: Statistics of TCP Cubic
```

```
Start at: 2017-12-01 05:45:16
```

```
End at: 2017-12-01 05:45:46
```

```
# Below is generated by plot.py at 2017-12-01 07:57:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 356.18 Mbit/s
95th percentile per-packet one-way delay: 67.308 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 156.29 Mbit/s
95th percentile per-packet one-way delay: 63.972 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 197.42 Mbit/s
95th percentile per-packet one-way delay: 68.564 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 207.37 Mbit/s
95th percentile per-packet one-way delay: 69.045 ms
Loss rate: 0.07%
```

Run 8: Report of TCP Cubic — Data Link



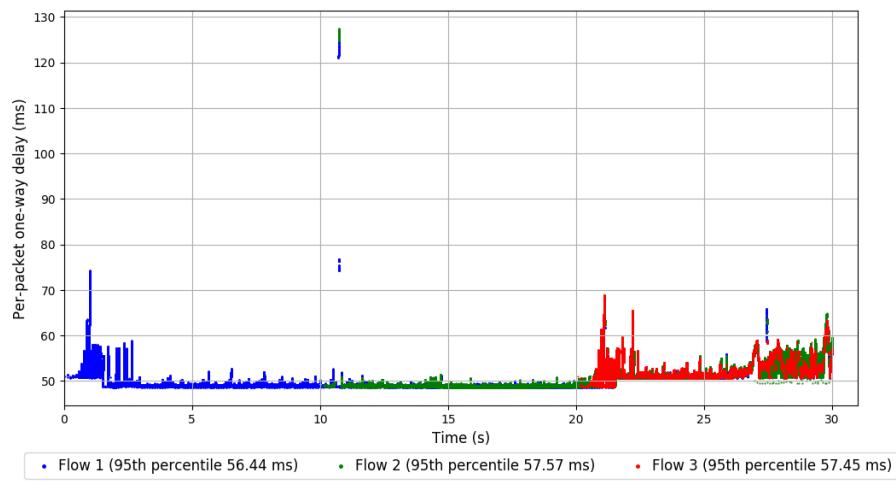
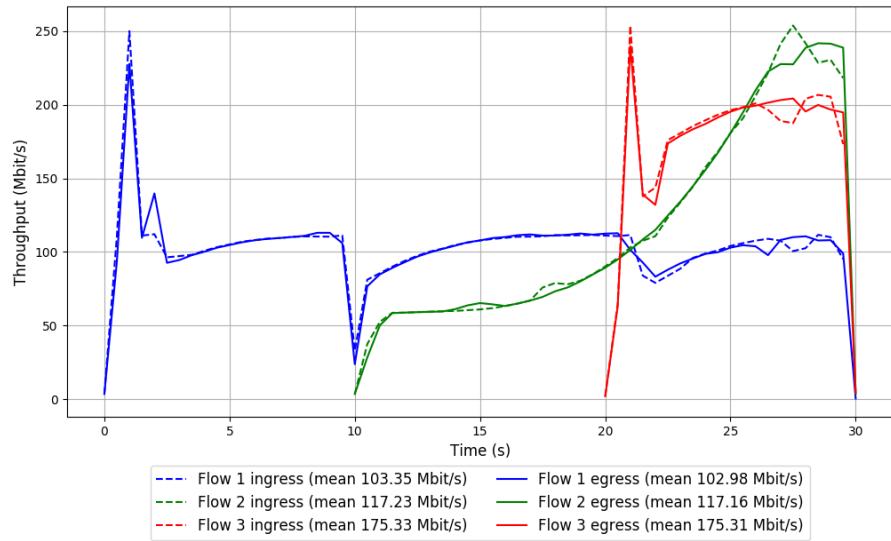
```
Run 9: Statistics of TCP Cubic
```

```
Start at: 2017-12-01 05:57:24
```

```
End at: 2017-12-01 05:57:54
```

```
# Below is generated by plot.py at 2017-12-01 07:57:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 239.12 Mbit/s
95th percentile per-packet one-way delay: 57.013 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 102.98 Mbit/s
95th percentile per-packet one-way delay: 56.437 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 117.16 Mbit/s
95th percentile per-packet one-way delay: 57.569 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 175.31 Mbit/s
95th percentile per-packet one-way delay: 57.446 ms
Loss rate: 0.05%
```

Run 9: Report of TCP Cubic — Data Link



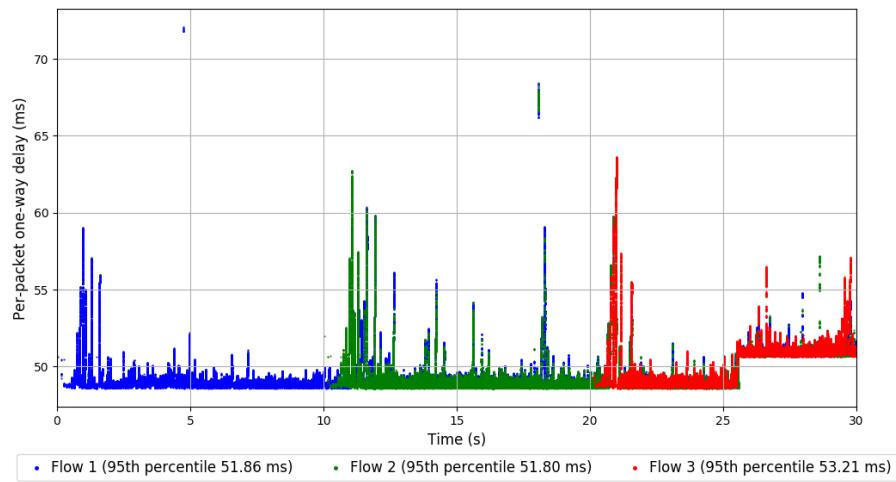
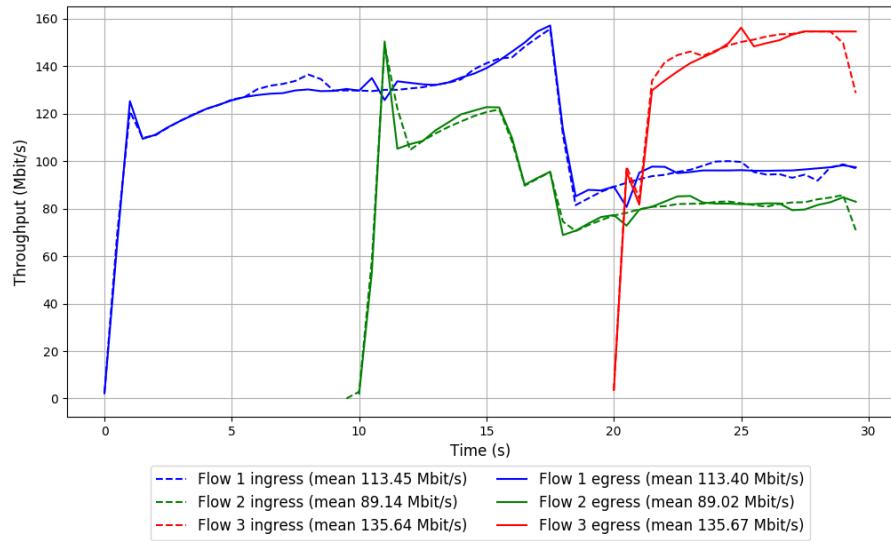
```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2017-12-01 06:09:30
```

```
End at: 2017-12-01 06:10:00
```

```
# Below is generated by plot.py at 2017-12-01 07:57:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 217.66 Mbit/s
95th percentile per-packet one-way delay: 52.213 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 113.40 Mbit/s
95th percentile per-packet one-way delay: 51.856 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 89.02 Mbit/s
95th percentile per-packet one-way delay: 51.804 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 135.67 Mbit/s
95th percentile per-packet one-way delay: 53.207 ms
Loss rate: 0.00%
```

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

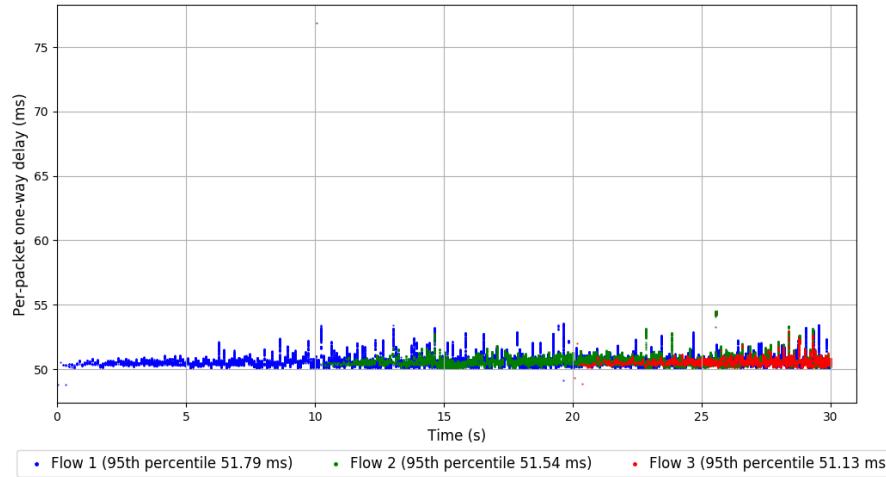
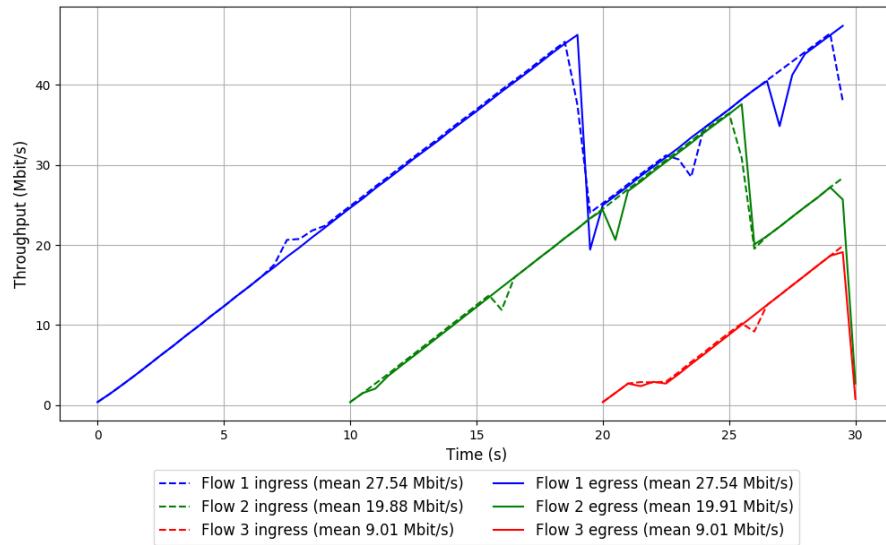


```
Run 1: Statistics of LEDBAT

Start at: 2017-12-01 04:24:26
End at: 2017-12-01 04:24:56

# Below is generated by plot.py at 2017-12-01 07:57:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.71 Mbit/s
95th percentile per-packet one-way delay: 51.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.54 Mbit/s
95th percentile per-packet one-way delay: 51.793 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 19.91 Mbit/s
95th percentile per-packet one-way delay: 51.543 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.01 Mbit/s
95th percentile per-packet one-way delay: 51.126 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



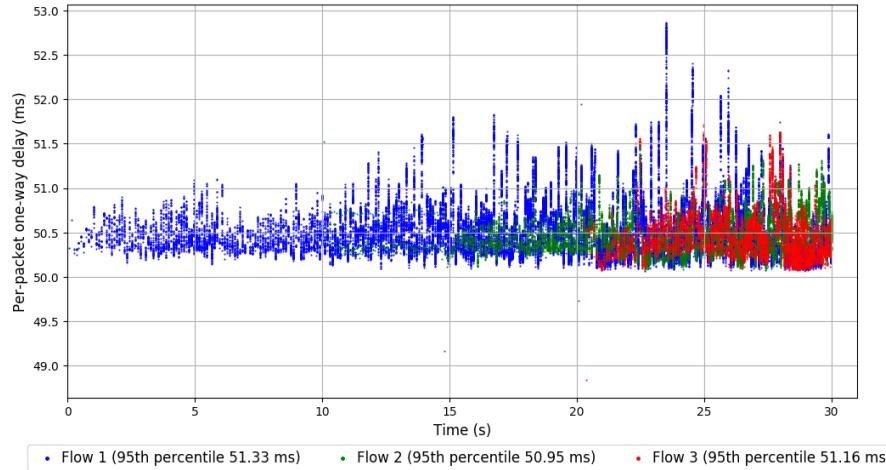
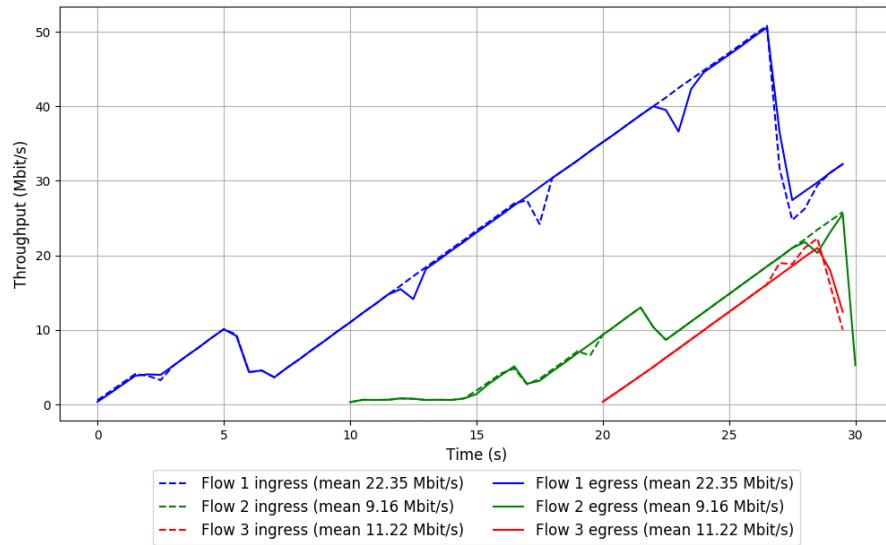
Run 2: Statistics of LEDBAT

Start at: 2017-12-01 04:36:26

End at: 2017-12-01 04:36:56

```
# Below is generated by plot.py at 2017-12-01 07:57:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 51.232 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 22.35 Mbit/s
95th percentile per-packet one-way delay: 51.326 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 9.16 Mbit/s
95th percentile per-packet one-way delay: 50.951 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 51.156 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



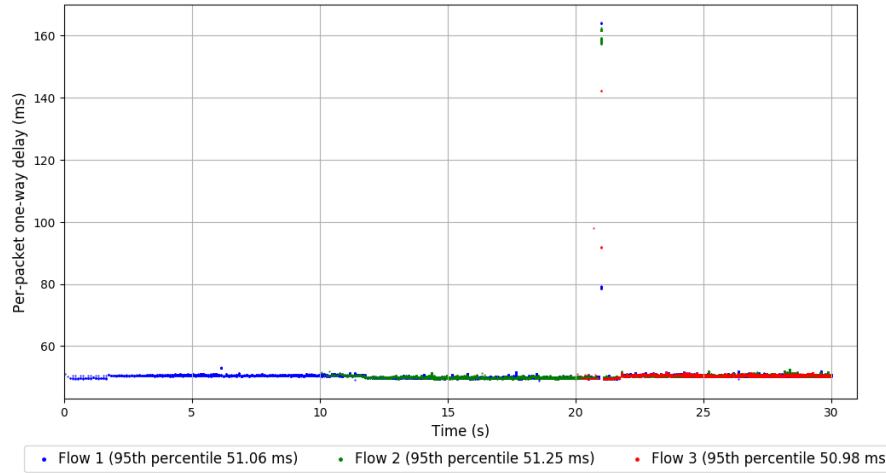
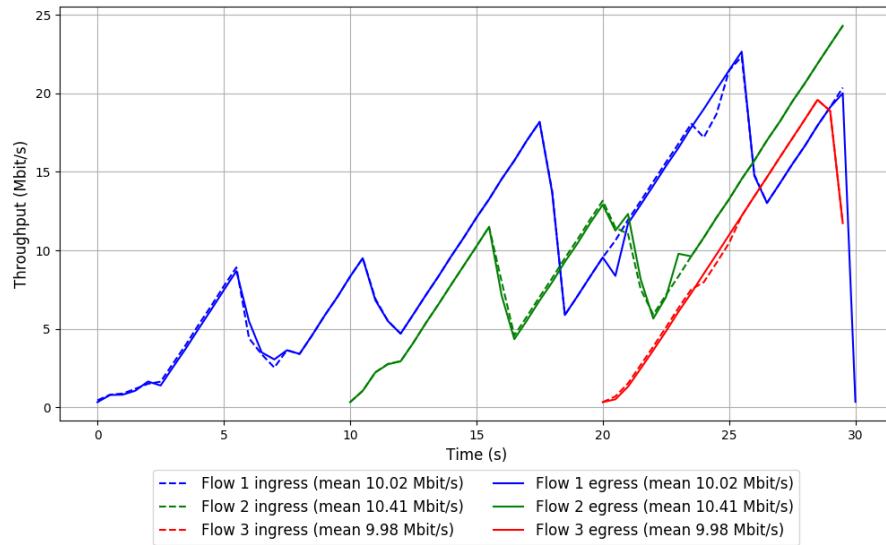
```
Run 3: Statistics of LEDBAT
```

```
Start at: 2017-12-01 04:48:14
```

```
End at: 2017-12-01 04:48:44
```

```
# Below is generated by plot.py at 2017-12-01 07:57:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.24 Mbit/s
95th percentile per-packet one-way delay: 51.076 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 51.056 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 51.247 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 9.98 Mbit/s
95th percentile per-packet one-way delay: 50.982 ms
Loss rate: 0.00%
```

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



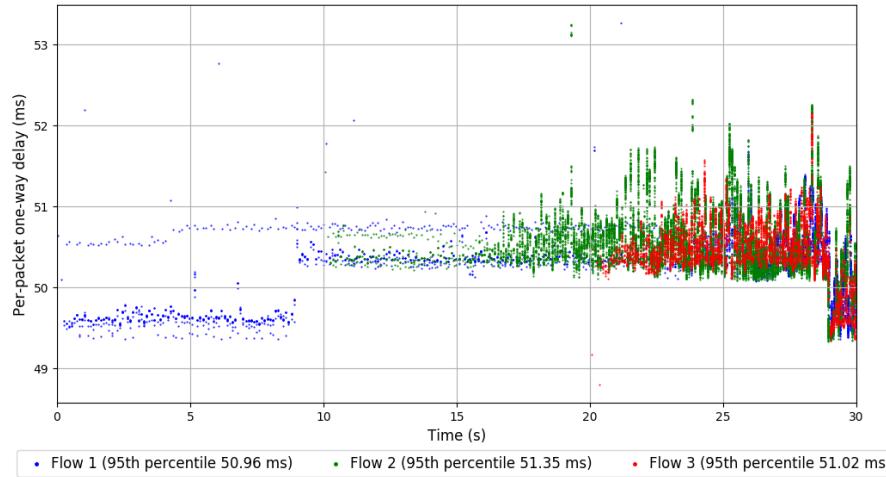
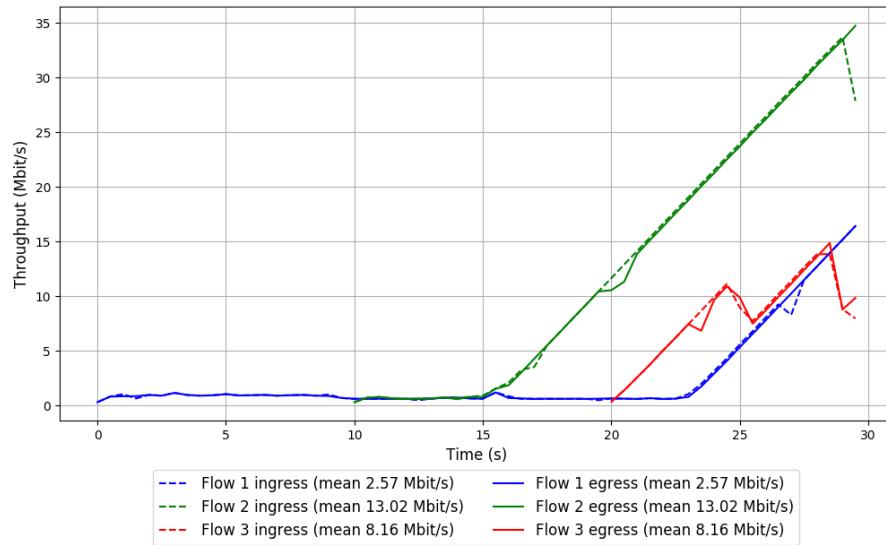
Run 4: Statistics of LEDBAT

Start at: 2017-12-01 04:59:57

End at: 2017-12-01 05:00:27

```
# Below is generated by plot.py at 2017-12-01 07:57:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.91 Mbit/s
95th percentile per-packet one-way delay: 51.257 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 50.957 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.02 Mbit/s
95th percentile per-packet one-way delay: 51.346 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.16 Mbit/s
95th percentile per-packet one-way delay: 51.022 ms
Loss rate: 0.00%
```

## Run 4: Report of LEDBAT — Data Link



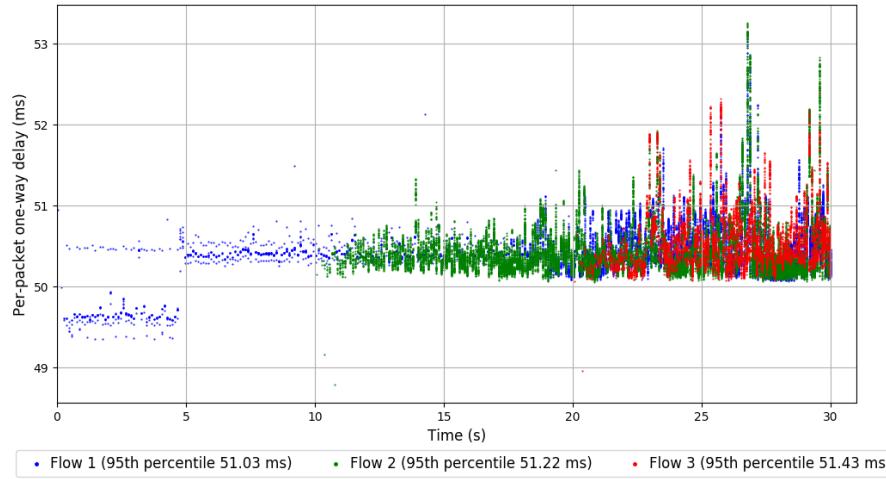
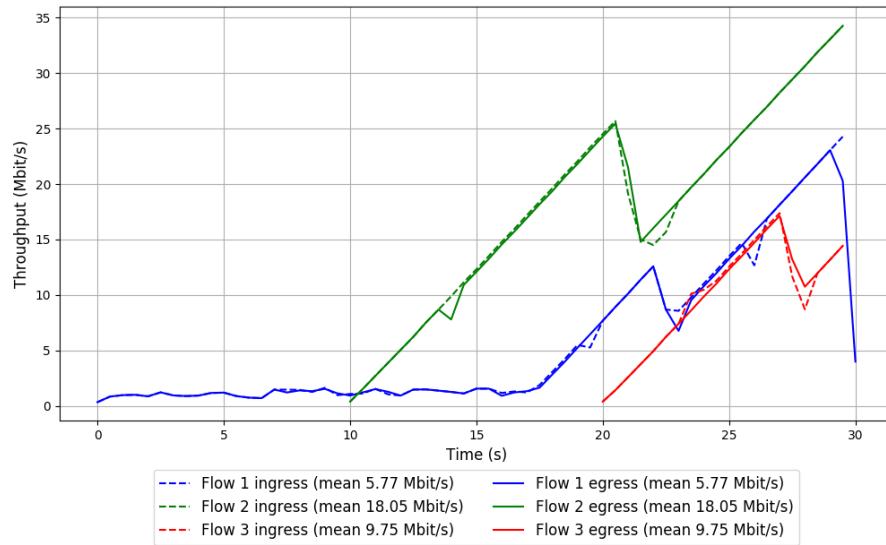
Run 5: Statistics of LEDBAT

Start at: 2017-12-01 05:11:41

End at: 2017-12-01 05:12:11

```
# Below is generated by plot.py at 2017-12-01 07:57:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.99 Mbit/s
95th percentile per-packet one-way delay: 51.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.77 Mbit/s
95th percentile per-packet one-way delay: 51.032 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 18.05 Mbit/s
95th percentile per-packet one-way delay: 51.218 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.75 Mbit/s
95th percentile per-packet one-way delay: 51.427 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link



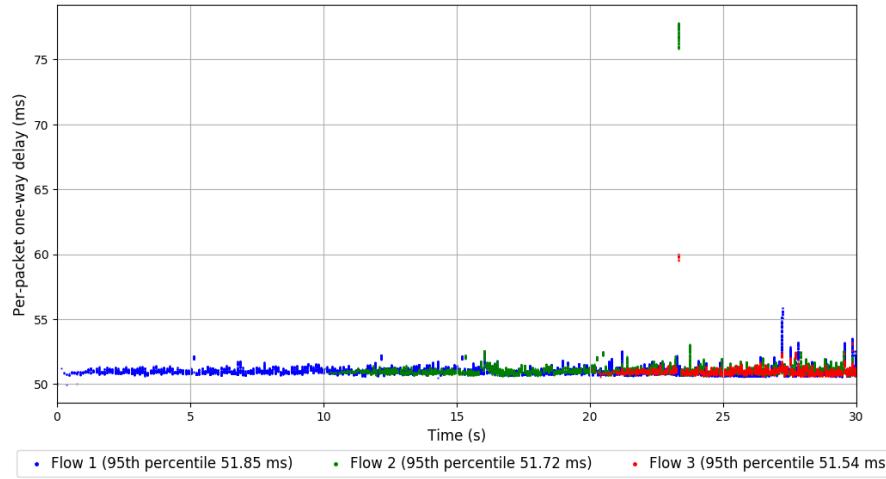
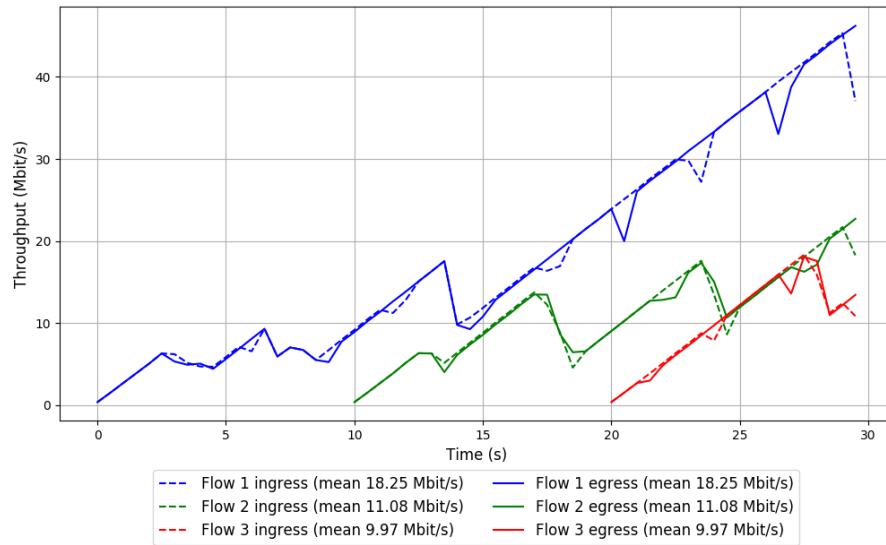
Run 6: Statistics of LEDBAT

Start at: 2017-12-01 05:23:41

End at: 2017-12-01 05:24:11

```
# Below is generated by plot.py at 2017-12-01 07:57:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.91 Mbit/s
95th percentile per-packet one-way delay: 51.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.25 Mbit/s
95th percentile per-packet one-way delay: 51.851 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 11.08 Mbit/s
95th percentile per-packet one-way delay: 51.717 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: 51.537 ms
Loss rate: 0.00%
```

## Run 6: Report of LEDBAT — Data Link



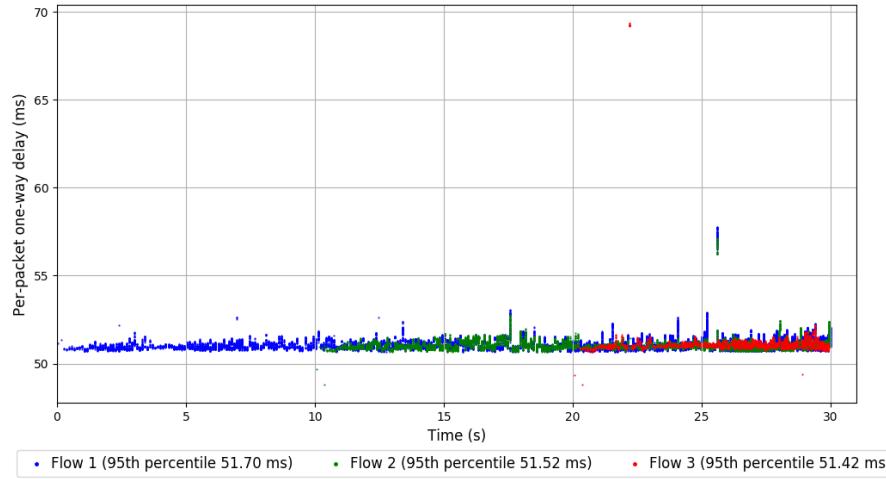
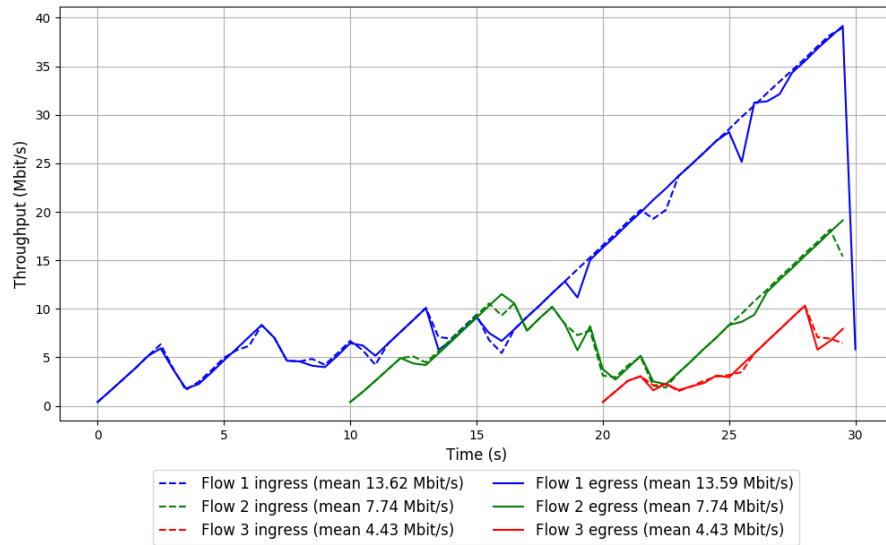
Run 7: Statistics of LEDBAT

Start at: 2017-12-01 05:35:42

End at: 2017-12-01 05:36:12

```
# Below is generated by plot.py at 2017-12-01 07:57:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.19 Mbit/s
95th percentile per-packet one-way delay: 51.636 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 13.59 Mbit/s
95th percentile per-packet one-way delay: 51.698 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 51.518 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 51.421 ms
Loss rate: 0.05%
```

## Run 7: Report of LEDBAT — Data Link



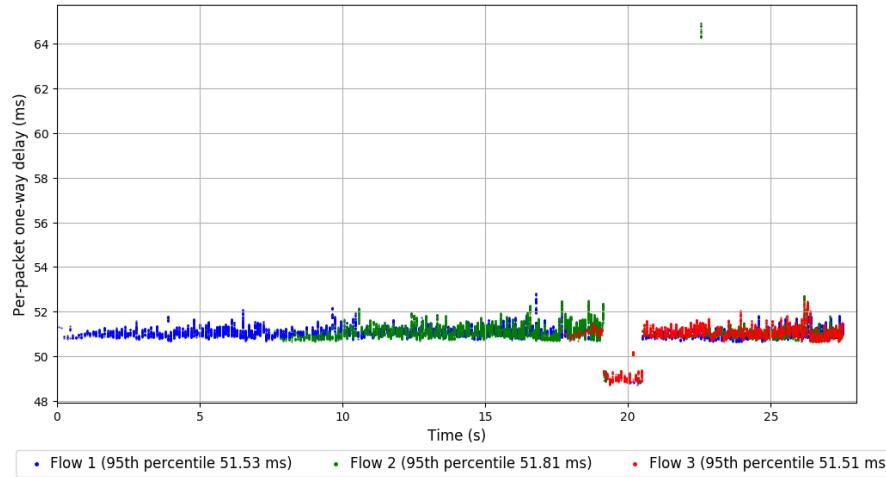
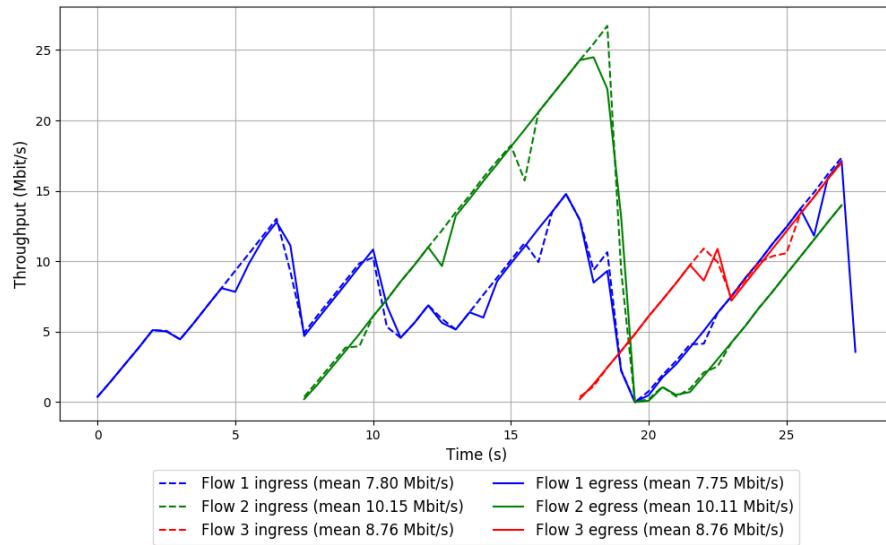
Run 8: Statistics of LEDBAT

Start at: 2017-12-01 05:47:53

End at: 2017-12-01 05:48:23

```
# Below is generated by plot.py at 2017-12-01 07:57:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.20 Mbit/s
95th percentile per-packet one-way delay: 51.633 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 7.75 Mbit/s
95th percentile per-packet one-way delay: 51.526 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 10.11 Mbit/s
95th percentile per-packet one-way delay: 51.811 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 8.76 Mbit/s
95th percentile per-packet one-way delay: 51.505 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link



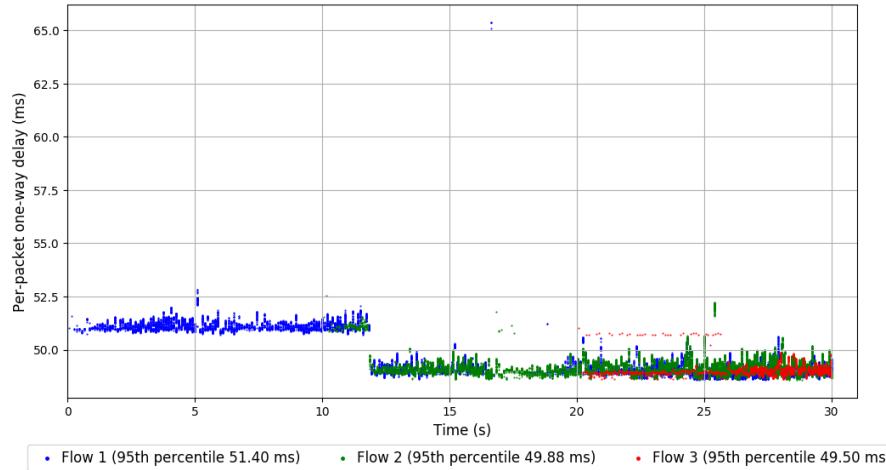
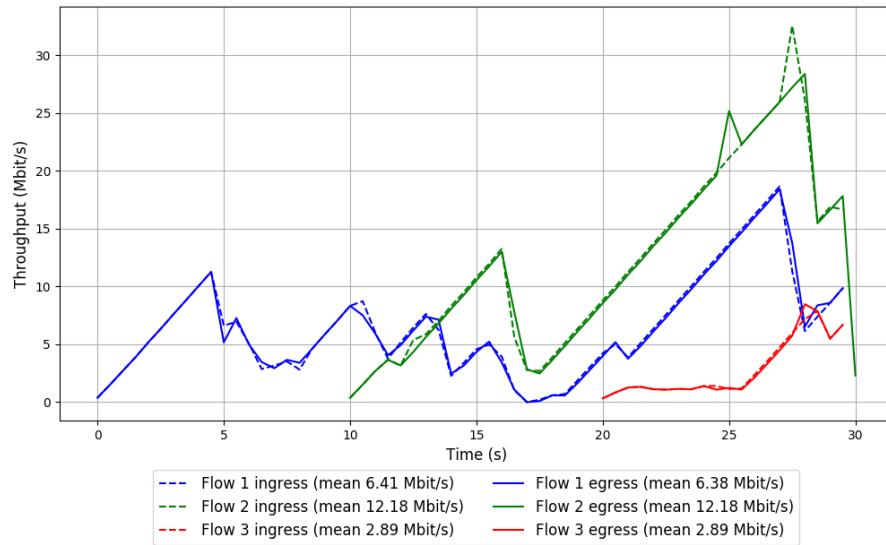
Run 9: Statistics of LEDBAT

Start at: 2017-12-01 05:59:54

End at: 2017-12-01 06:00:24

```
# Below is generated by plot.py at 2017-12-01 07:57:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.44 Mbit/s
95th percentile per-packet one-way delay: 51.208 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 6.38 Mbit/s
95th percentile per-packet one-way delay: 51.396 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 12.18 Mbit/s
95th percentile per-packet one-way delay: 49.876 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 49.499 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link



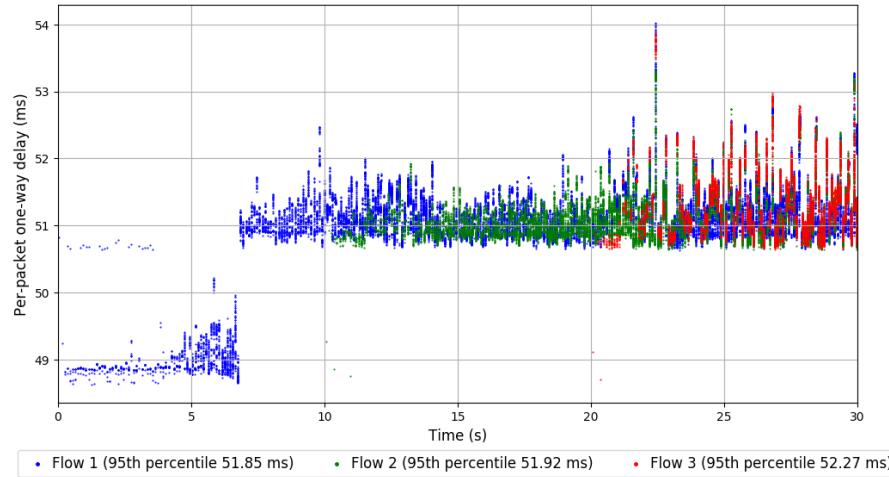
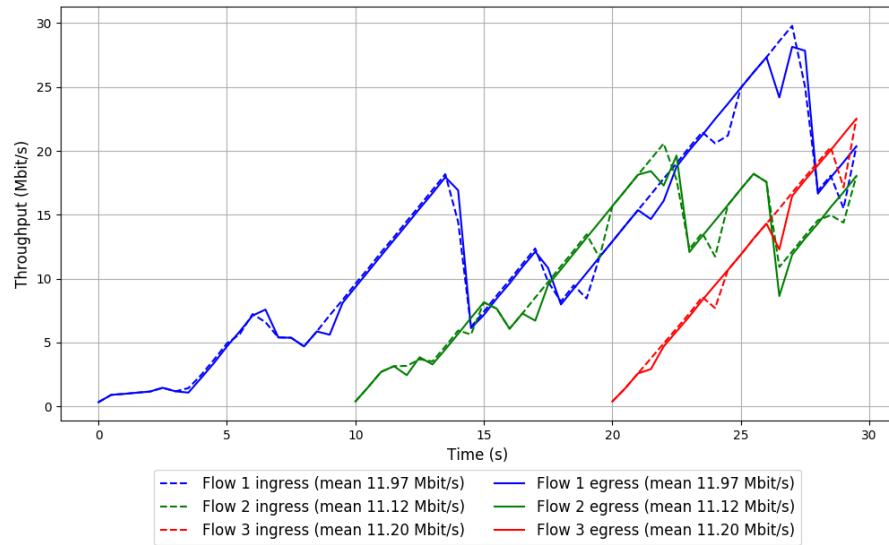
Run 10: Statistics of LEDBAT

Start at: 2017-12-01 06:11:59

End at: 2017-12-01 06:12:29

```
# Below is generated by plot.py at 2017-12-01 07:57:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.08 Mbit/s
95th percentile per-packet one-way delay: 52.011 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 51.849 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 51.920 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.20 Mbit/s
95th percentile per-packet one-way delay: 52.269 ms
Loss rate: 0.00%
```

## Run 10: Report of LEDBAT — Data Link

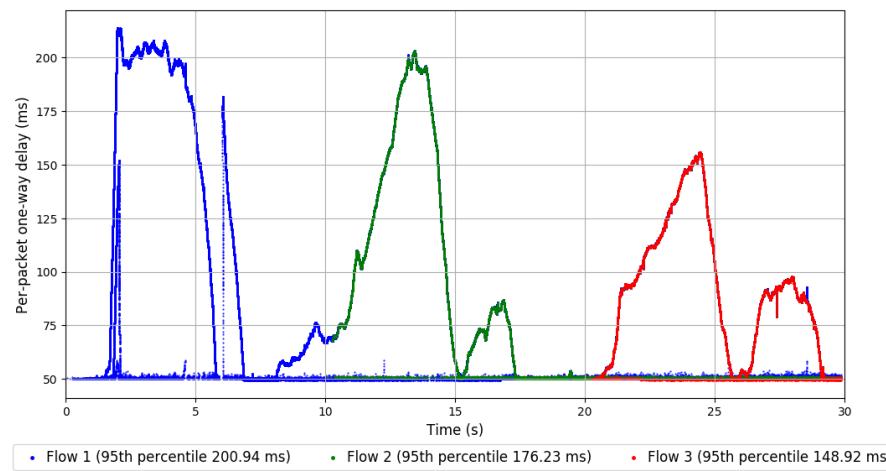
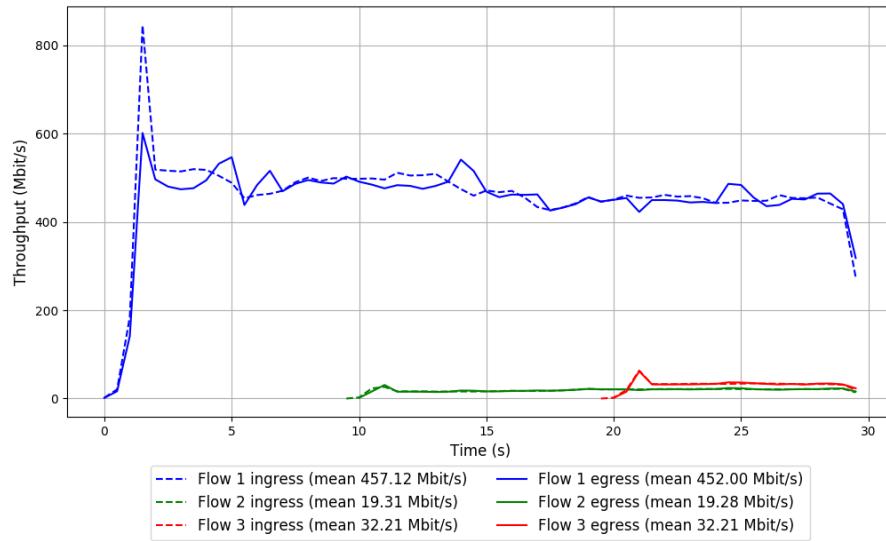


```
Run 1: Statistics of PCC

Start at: 2017-12-01 04:23:28
End at: 2017-12-01 04:23:58

# Below is generated by plot.py at 2017-12-01 08:04:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 475.46 Mbit/s
95th percentile per-packet one-way delay: 200.438 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 452.00 Mbit/s
95th percentile per-packet one-way delay: 200.943 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 19.28 Mbit/s
95th percentile per-packet one-way delay: 176.231 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 148.922 ms
Loss rate: 0.01%
```

Run 1: Report of PCC — Data Link



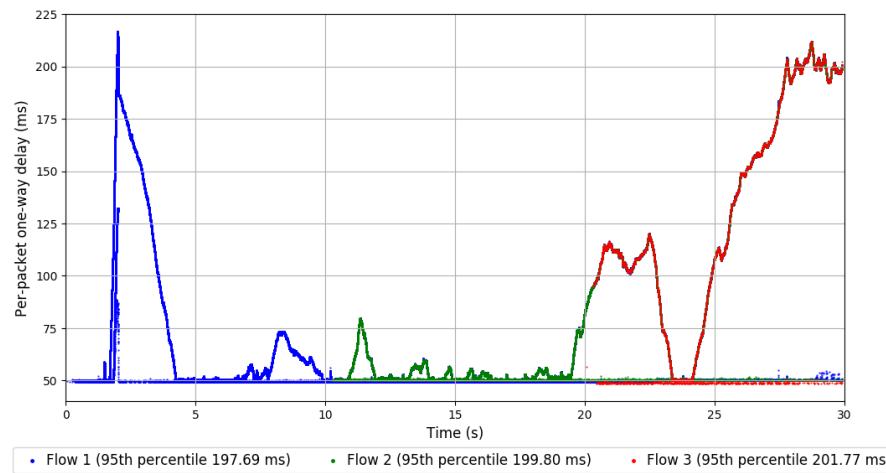
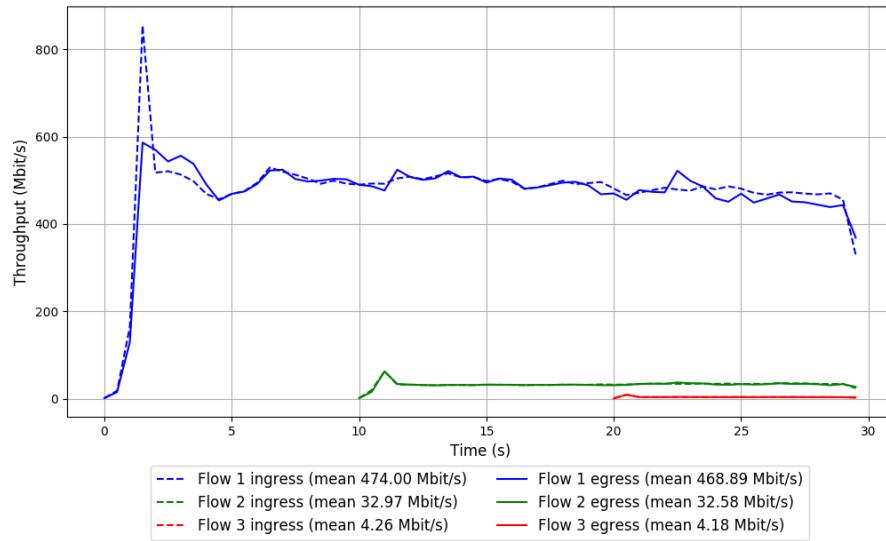
Run 2: Statistics of PCC

Start at: 2017-12-01 04:35:28

End at: 2017-12-01 04:35:58

```
# Below is generated by plot.py at 2017-12-01 08:04:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 491.88 Mbit/s
95th percentile per-packet one-way delay: 198.035 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 468.89 Mbit/s
95th percentile per-packet one-way delay: 197.685 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 32.58 Mbit/s
95th percentile per-packet one-way delay: 199.798 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 201.769 ms
Loss rate: 1.86%
```

## Run 2: Report of PCC — Data Link



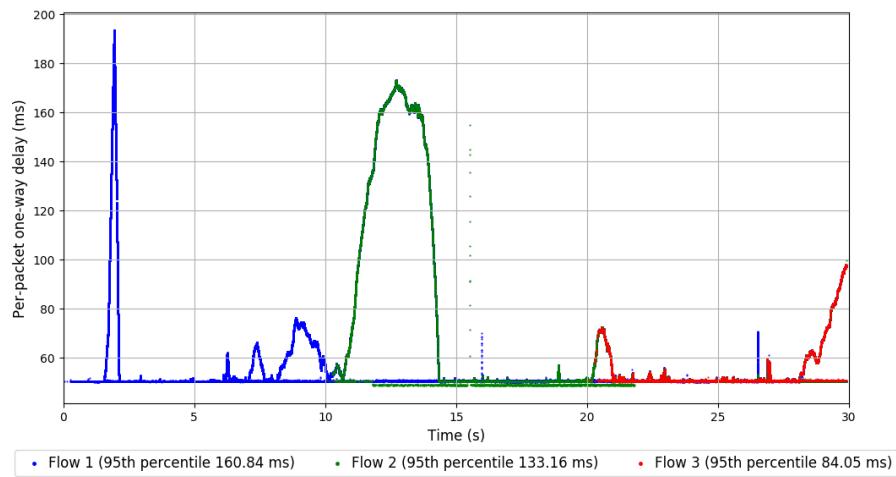
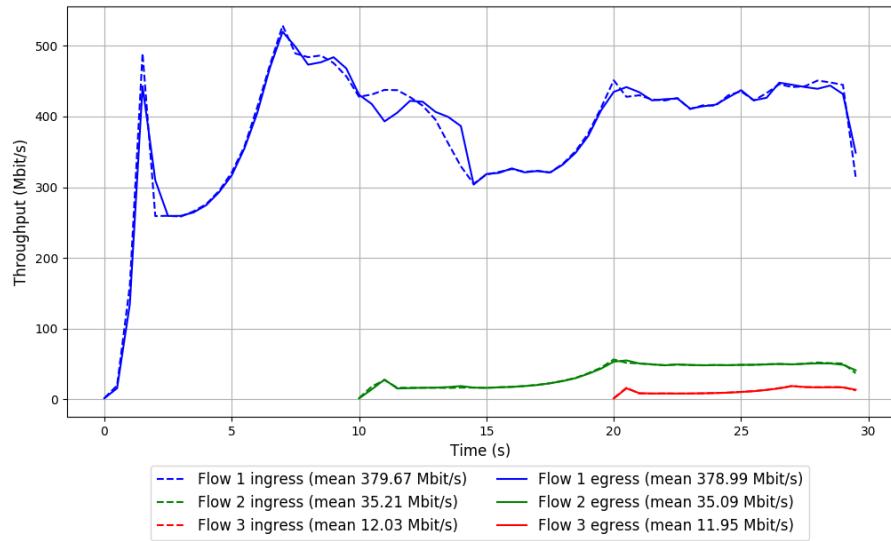
Run 3: Statistics of PCC

Start at: 2017-12-01 04:47:19

End at: 2017-12-01 04:47:49

```
# Below is generated by plot.py at 2017-12-01 08:04:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 406.22 Mbit/s
95th percentile per-packet one-way delay: 160.600 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 378.99 Mbit/s
95th percentile per-packet one-way delay: 160.843 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 35.09 Mbit/s
95th percentile per-packet one-way delay: 133.160 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 84.047 ms
Loss rate: 0.67%
```

### Run 3: Report of PCC — Data Link



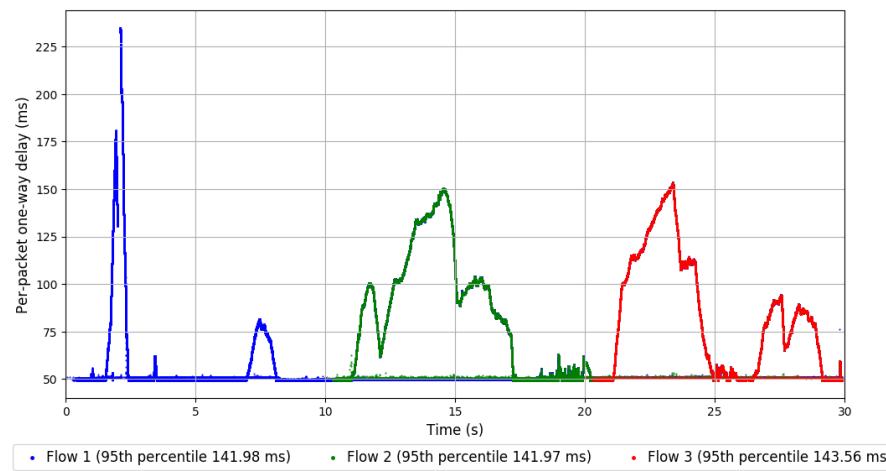
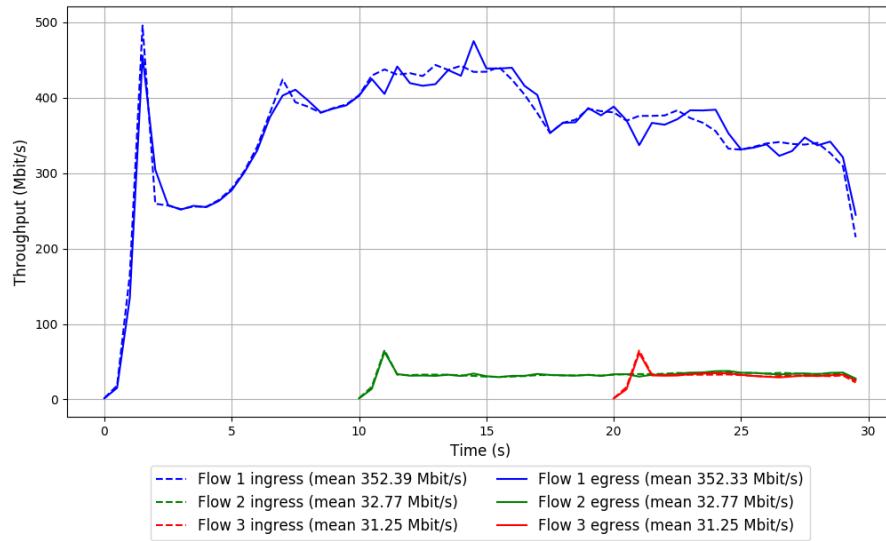
Run 4: Statistics of PCC

Start at: 2017-12-01 04:59:02

End at: 2017-12-01 04:59:32

```
# Below is generated by plot.py at 2017-12-01 08:04:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 384.41 Mbit/s
95th percentile per-packet one-way delay: 141.992 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 352.33 Mbit/s
95th percentile per-packet one-way delay: 141.983 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 141.965 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 143.558 ms
Loss rate: 0.00%
```

## Run 4: Report of PCC — Data Link



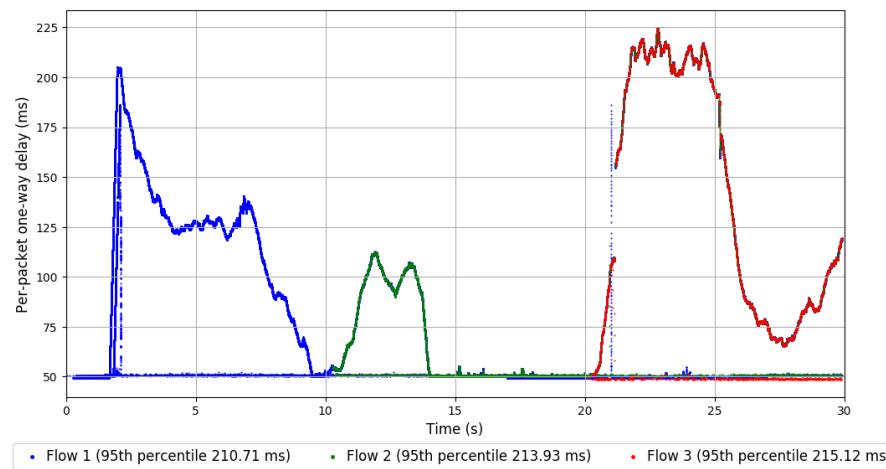
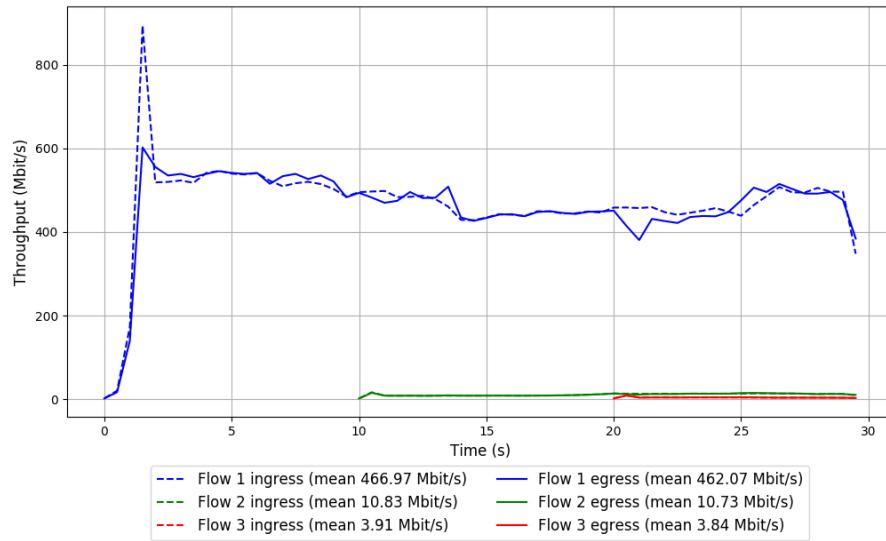
Run 5: Statistics of PCC

Start at: 2017-12-01 05:10:44

End at: 2017-12-01 05:11:14

```
# Below is generated by plot.py at 2017-12-01 08:04:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 470.44 Mbit/s
95th percentile per-packet one-way delay: 210.864 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 462.07 Mbit/s
95th percentile per-packet one-way delay: 210.711 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 10.73 Mbit/s
95th percentile per-packet one-way delay: 213.933 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 215.121 ms
Loss rate: 1.90%
```

## Run 5: Report of PCC — Data Link



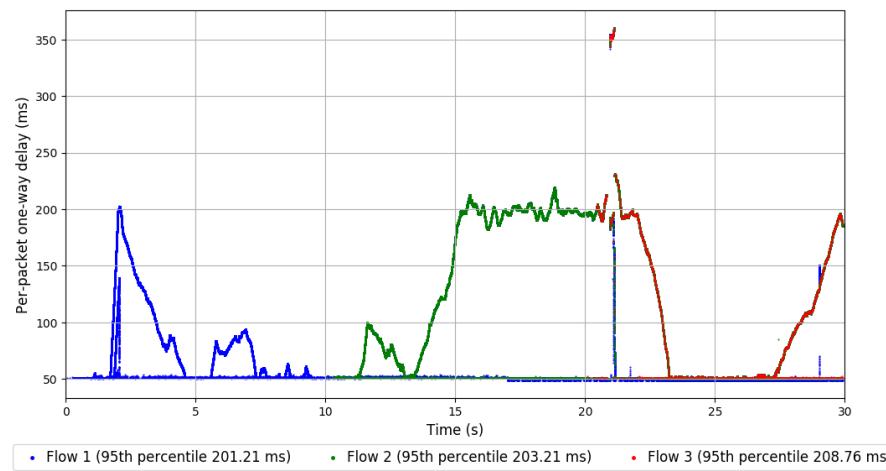
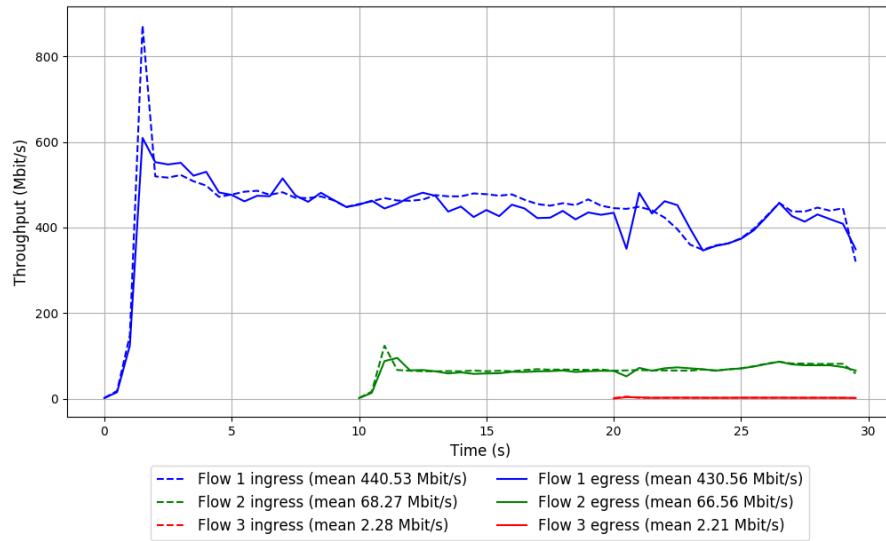
Run 6: Statistics of PCC

Start at: 2017-12-01 05:22:44

End at: 2017-12-01 05:23:14

```
# Below is generated by plot.py at 2017-12-01 08:04:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 475.53 Mbit/s
95th percentile per-packet one-way delay: 201.490 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 430.56 Mbit/s
95th percentile per-packet one-way delay: 201.206 ms
Loss rate: 2.25%
-- Flow 2:
Average throughput: 66.56 Mbit/s
95th percentile per-packet one-way delay: 203.211 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 208.763 ms
Loss rate: 2.74%
```

## Run 6: Report of PCC — Data Link



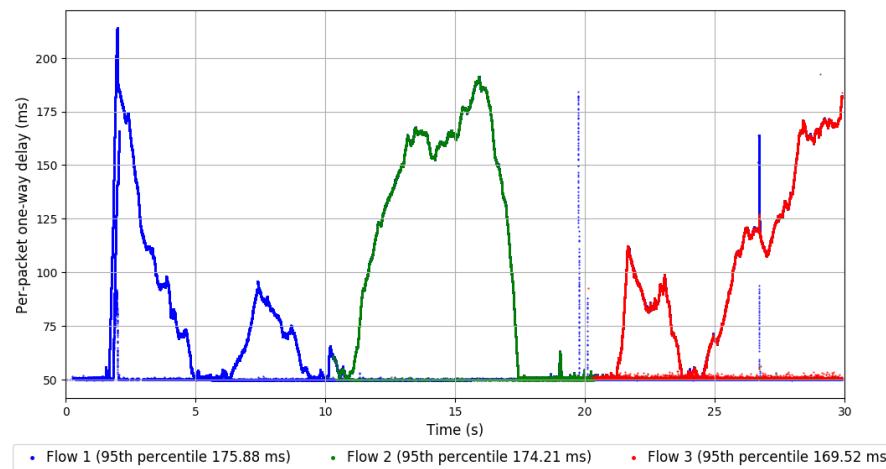
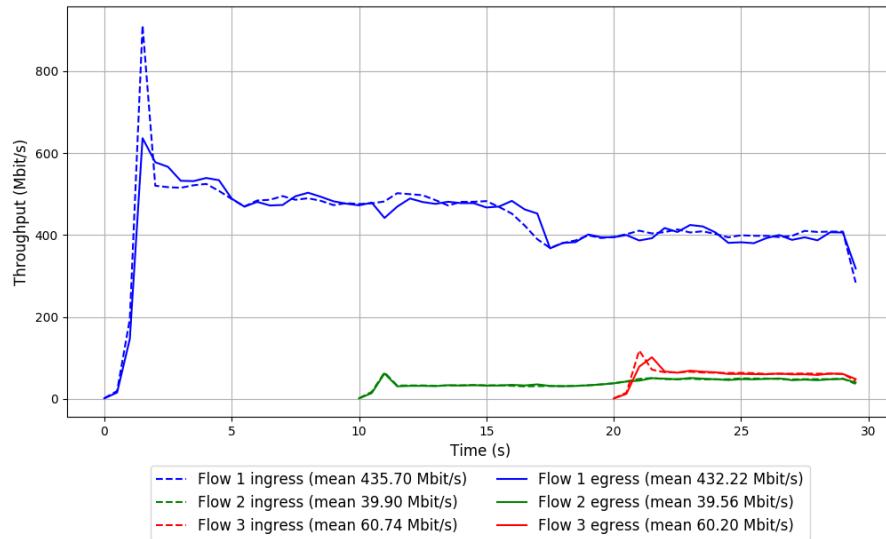
Run 7: Statistics of PCC

Start at: 2017-12-01 05:34:45

End at: 2017-12-01 05:35:15

```
# Below is generated by plot.py at 2017-12-01 08:05:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 478.23 Mbit/s
95th percentile per-packet one-way delay: 175.420 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 432.22 Mbit/s
95th percentile per-packet one-way delay: 175.881 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 174.208 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 60.20 Mbit/s
95th percentile per-packet one-way delay: 169.518 ms
Loss rate: 1.30%
```

## Run 7: Report of PCC — Data Link



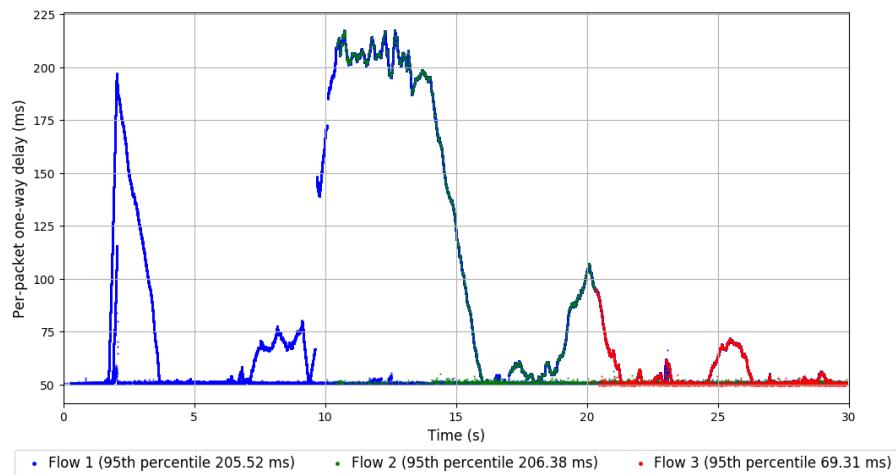
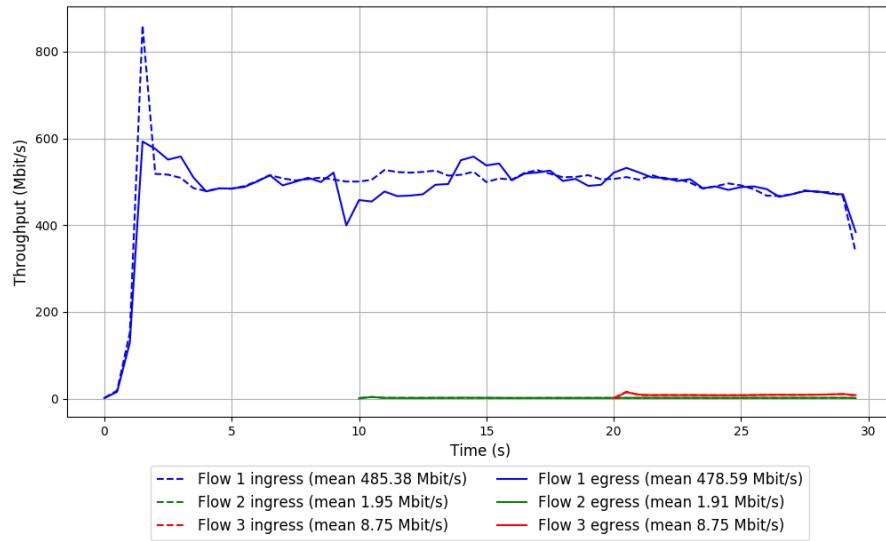
Run 8: Statistics of PCC

Start at: 2017-12-01 05:46:55

End at: 2017-12-01 05:47:25

```
# Below is generated by plot.py at 2017-12-01 08:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 482.74 Mbit/s
95th percentile per-packet one-way delay: 205.485 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 478.59 Mbit/s
95th percentile per-packet one-way delay: 205.522 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 206.382 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 8.75 Mbit/s
95th percentile per-packet one-way delay: 69.314 ms
Loss rate: 0.00%
```

Run 8: Report of PCC — Data Link



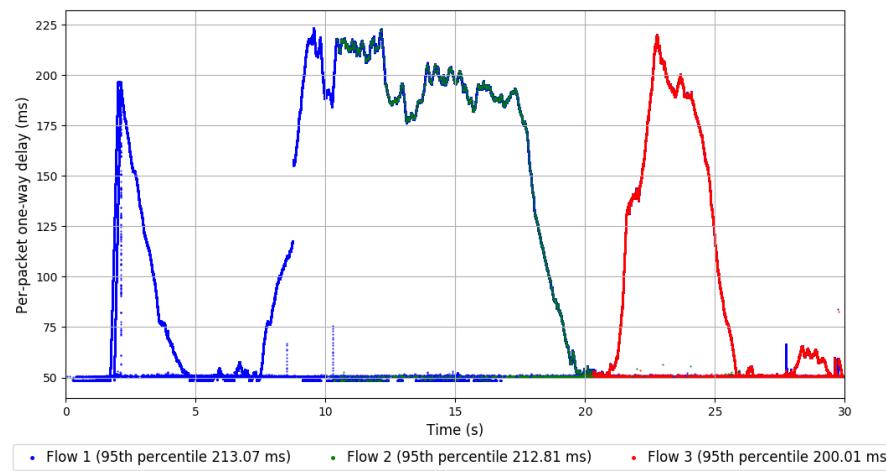
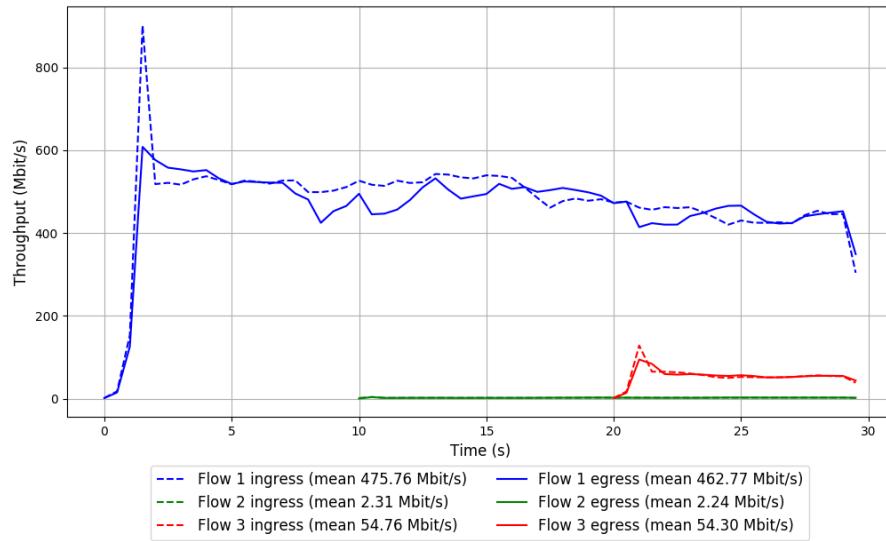
Run 9: Statistics of PCC

Start at: 2017-12-01 05:58:56

End at: 2017-12-01 05:59:26

```
# Below is generated by plot.py at 2017-12-01 08:11:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 482.15 Mbit/s
95th percentile per-packet one-way delay: 212.955 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 462.77 Mbit/s
95th percentile per-packet one-way delay: 213.075 ms
Loss rate: 2.75%
-- Flow 2:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 212.815 ms
Loss rate: 2.91%
-- Flow 3:
Average throughput: 54.30 Mbit/s
95th percentile per-packet one-way delay: 200.007 ms
Loss rate: 0.85%
```

Run 9: Report of PCC — Data Link



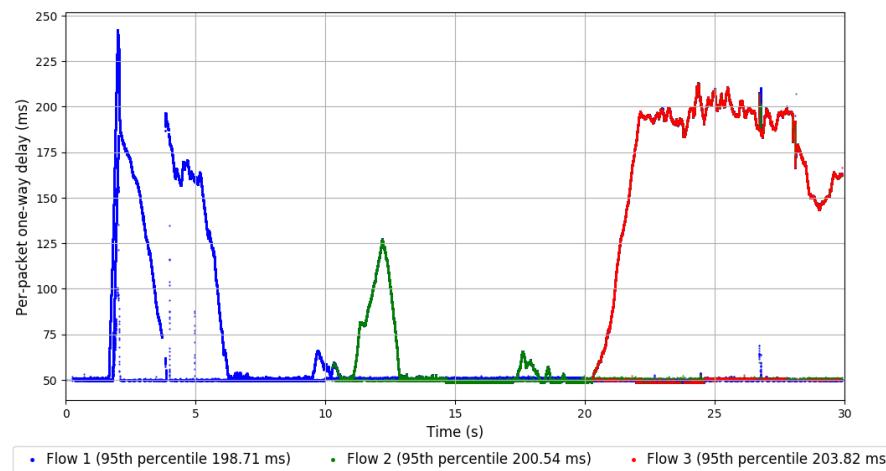
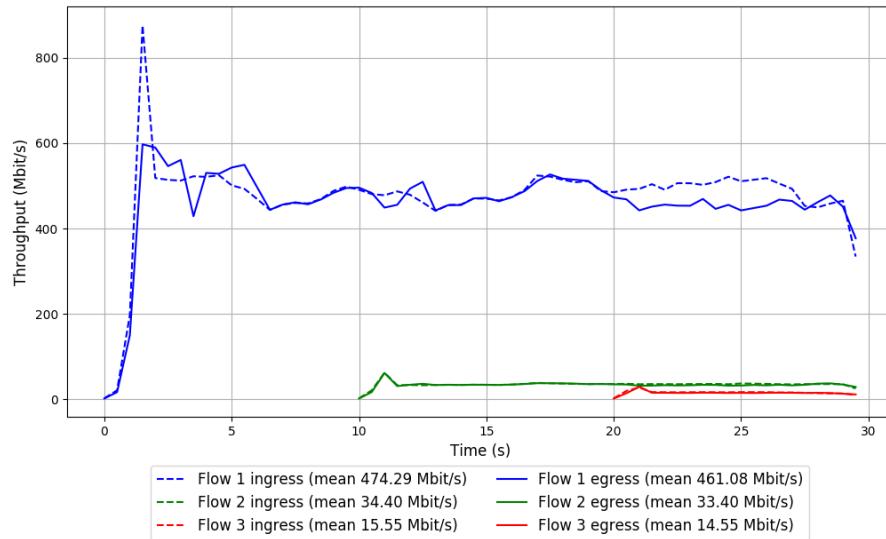
Run 10: Statistics of PCC

Start at: 2017-12-01 06:11:01

End at: 2017-12-01 06:11:31

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 488.02 Mbit/s
95th percentile per-packet one-way delay: 198.832 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 461.08 Mbit/s
95th percentile per-packet one-way delay: 198.709 ms
Loss rate: 2.78%
-- Flow 2:
Average throughput: 33.40 Mbit/s
95th percentile per-packet one-way delay: 200.543 ms
Loss rate: 2.89%
-- Flow 3:
Average throughput: 14.55 Mbit/s
95th percentile per-packet one-way delay: 203.820 ms
Loss rate: 6.35%
```

Run 10: Report of PCC — Data Link

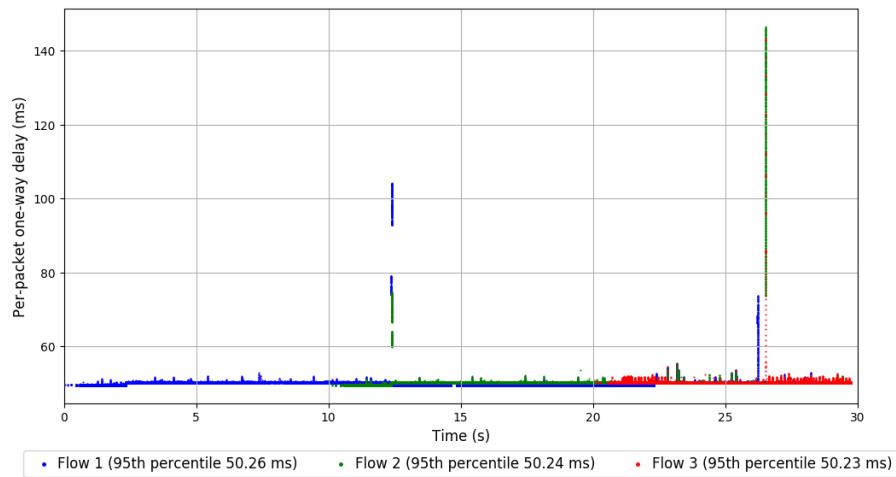
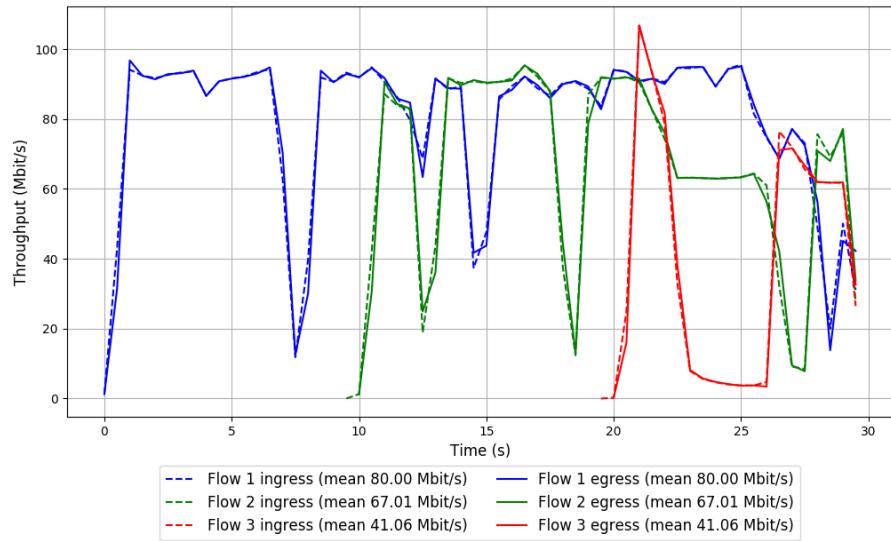


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-12-01 04:25:08
End at: 2017-12-01 04:25:38

# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 137.89 Mbit/s
95th percentile per-packet one-way delay: 50.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.00 Mbit/s
95th percentile per-packet one-way delay: 50.263 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.01 Mbit/s
95th percentile per-packet one-way delay: 50.244 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 41.06 Mbit/s
95th percentile per-packet one-way delay: 50.226 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

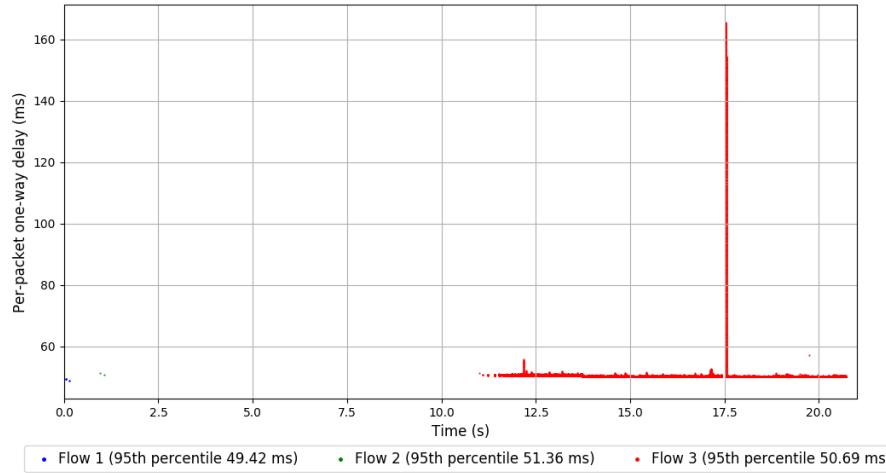
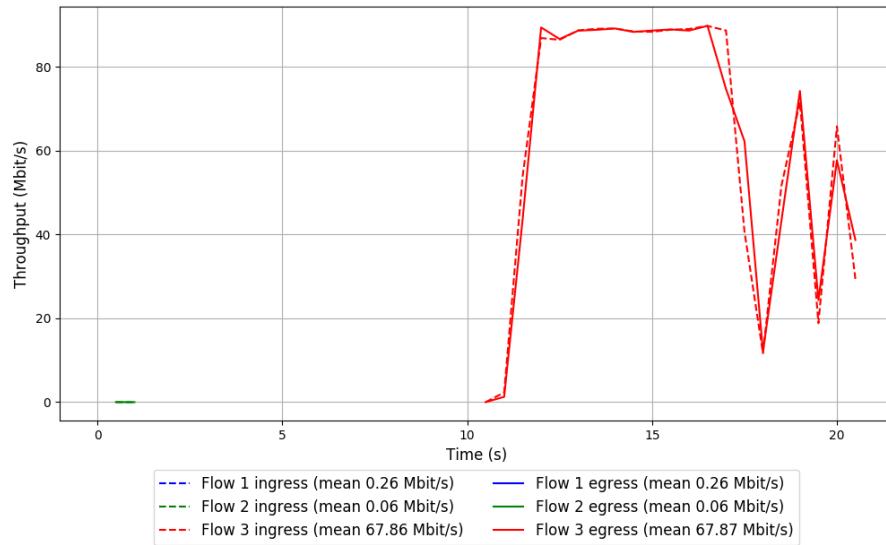


Run 2: Statistics of QUIC Cubic

Start at: 2017-12-01 04:37:08

End at: 2017-12-01 04:37:38

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



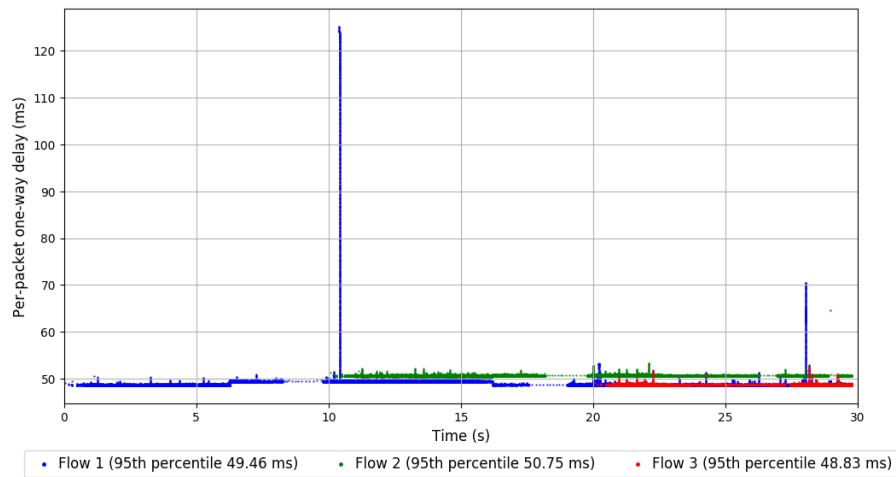
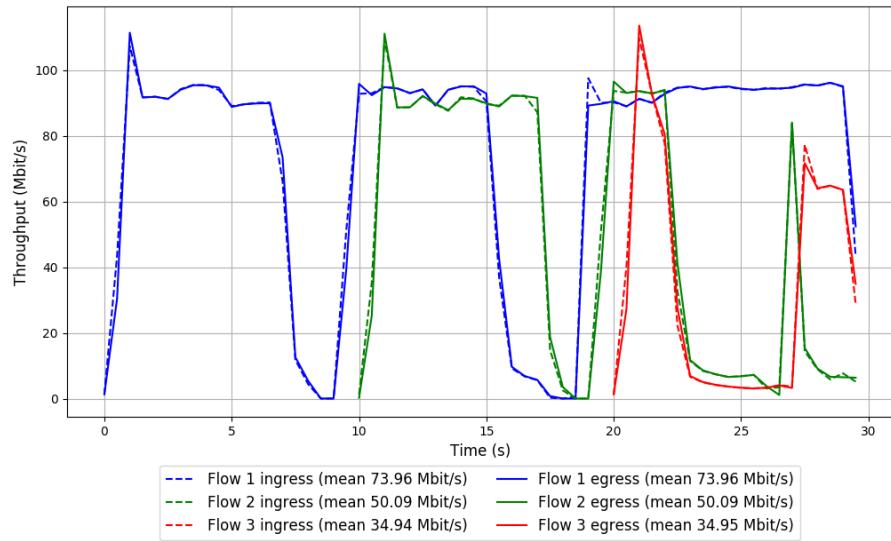
Run 3: Statistics of QUIC Cubic

Start at: 2017-12-01 04:48:54

End at: 2017-12-01 04:49:24

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 118.61 Mbit/s
95th percentile per-packet one-way delay: 50.675 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.96 Mbit/s
95th percentile per-packet one-way delay: 49.463 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.09 Mbit/s
95th percentile per-packet one-way delay: 50.753 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.95 Mbit/s
95th percentile per-packet one-way delay: 48.832 ms
Loss rate: 0.00%
```

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



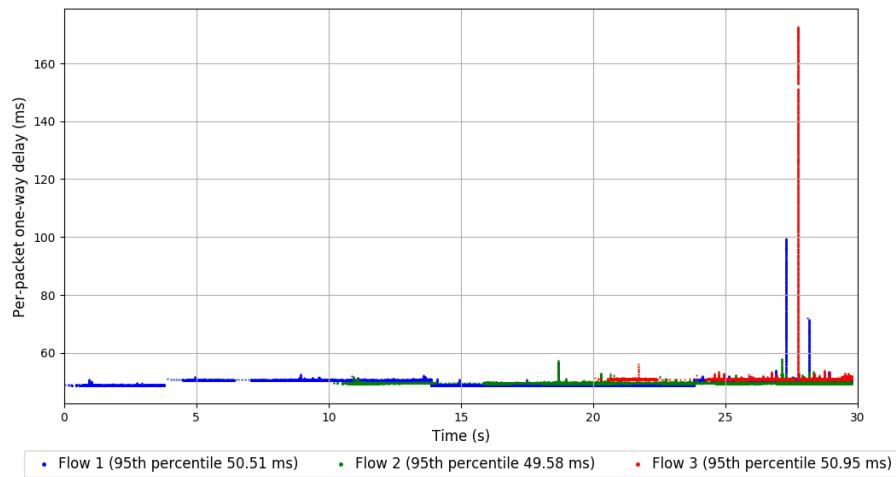
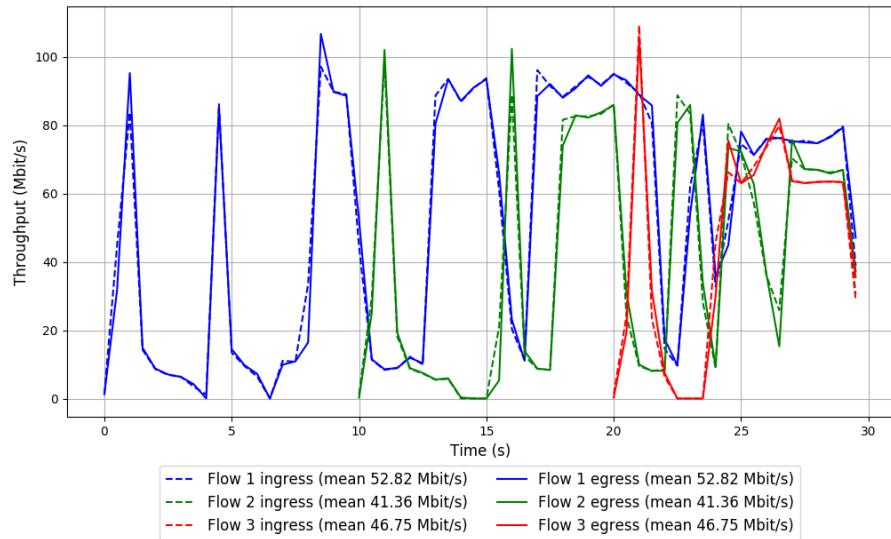
Run 4: Statistics of QUIC Cubic

Start at: 2017-12-01 05:00:37

End at: 2017-12-01 05:01:07

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 50.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.82 Mbit/s
95th percentile per-packet one-way delay: 50.512 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.36 Mbit/s
95th percentile per-packet one-way delay: 49.575 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.75 Mbit/s
95th percentile per-packet one-way delay: 50.953 ms
Loss rate: 0.00%
```

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



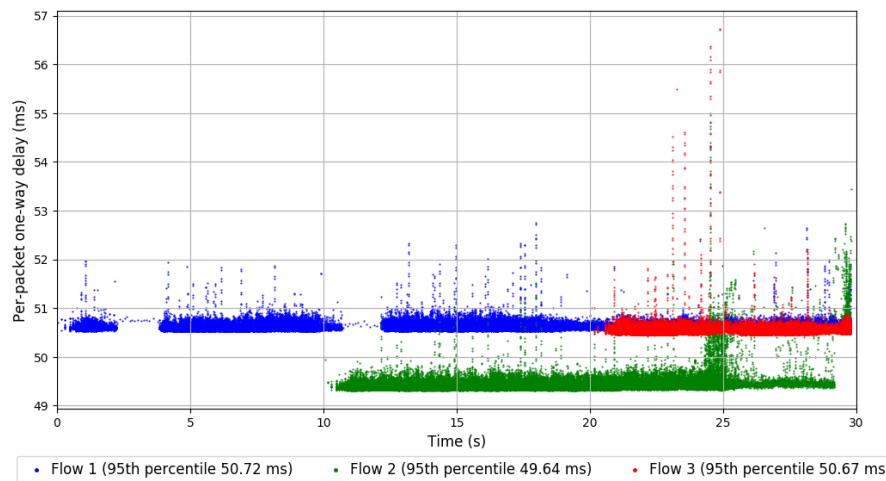
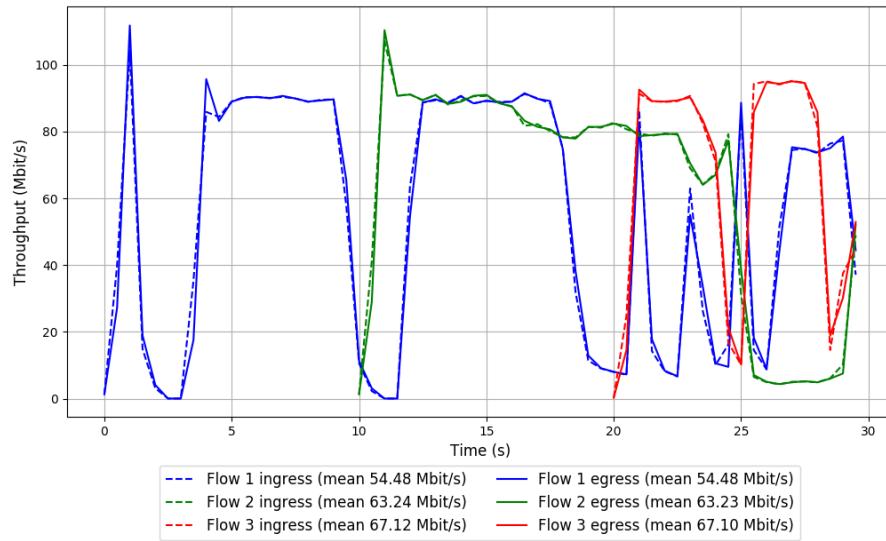
Run 5: Statistics of QUIC Cubic

Start at: 2017-12-01 05:12:21

End at: 2017-12-01 05:12:51

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 118.39 Mbit/s
95th percentile per-packet one-way delay: 50.685 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.48 Mbit/s
95th percentile per-packet one-way delay: 50.718 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 63.23 Mbit/s
95th percentile per-packet one-way delay: 49.642 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 67.10 Mbit/s
95th percentile per-packet one-way delay: 50.670 ms
Loss rate: 0.01%
```

Run 5: Report of QUIC Cubic — Data Link



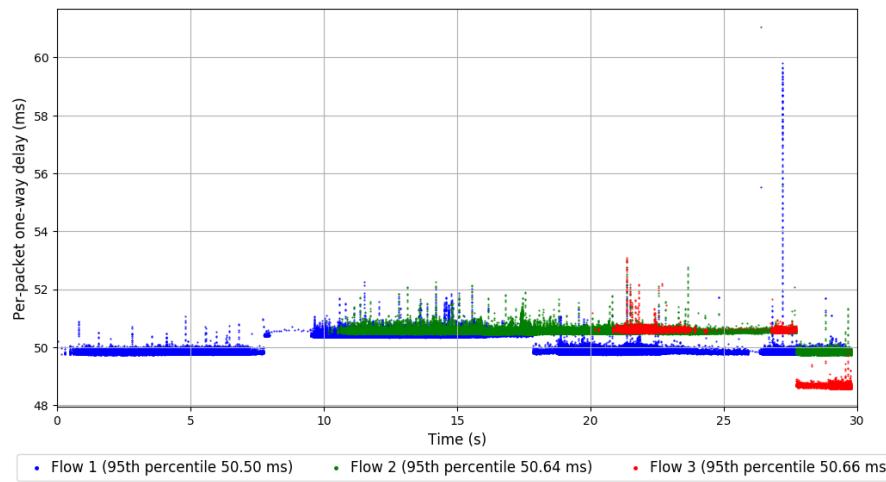
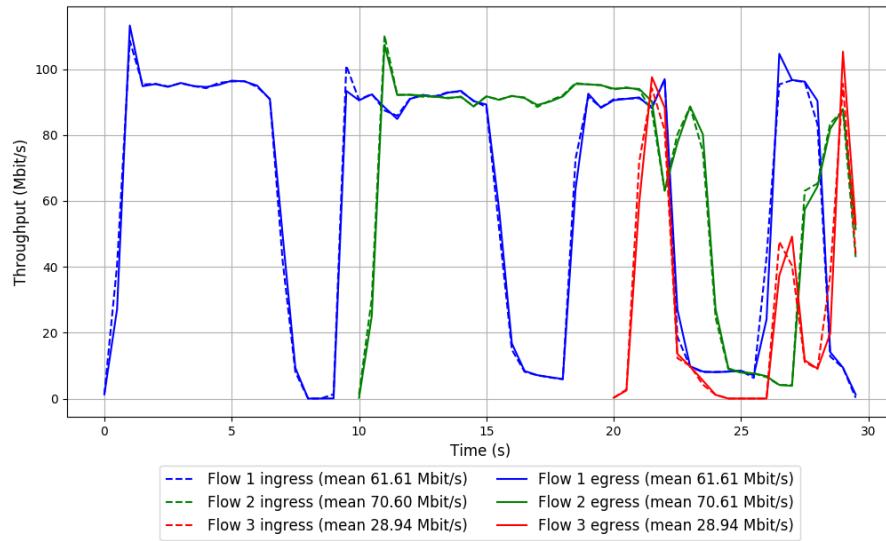
Run 6: Statistics of QUIC Cubic

Start at: 2017-12-01 05:24:23

End at: 2017-12-01 05:24:53

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 117.72 Mbit/s
95th percentile per-packet one-way delay: 50.617 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 50.503 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.61 Mbit/s
95th percentile per-packet one-way delay: 50.644 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.94 Mbit/s
95th percentile per-packet one-way delay: 50.658 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

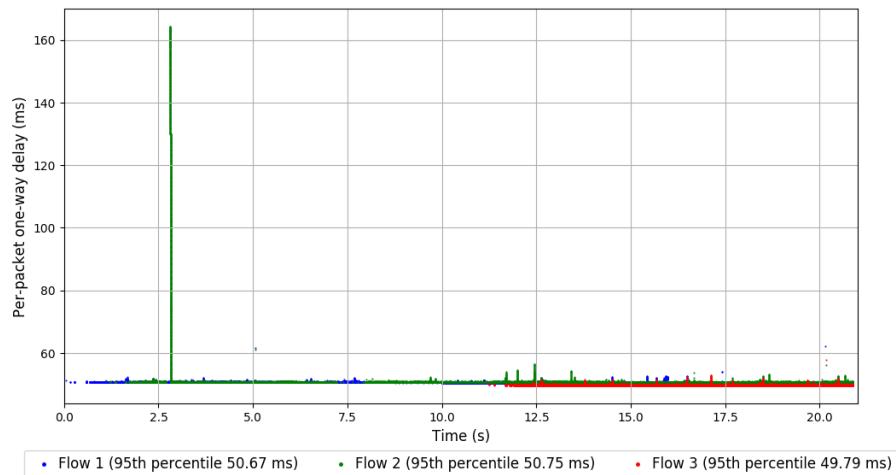
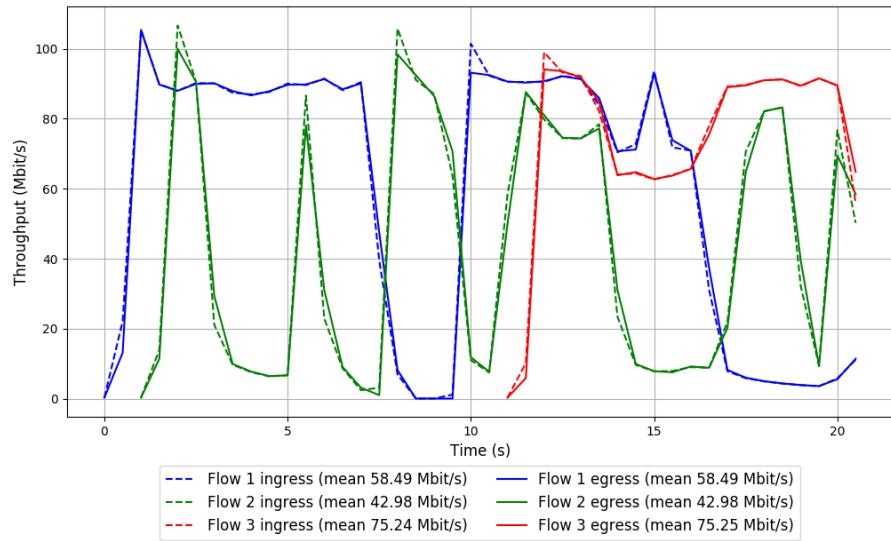


Run 7: Statistics of QUIC Cubic

Start at: 2017-12-01 05:36:23

End at: 2017-12-01 05:36:53

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

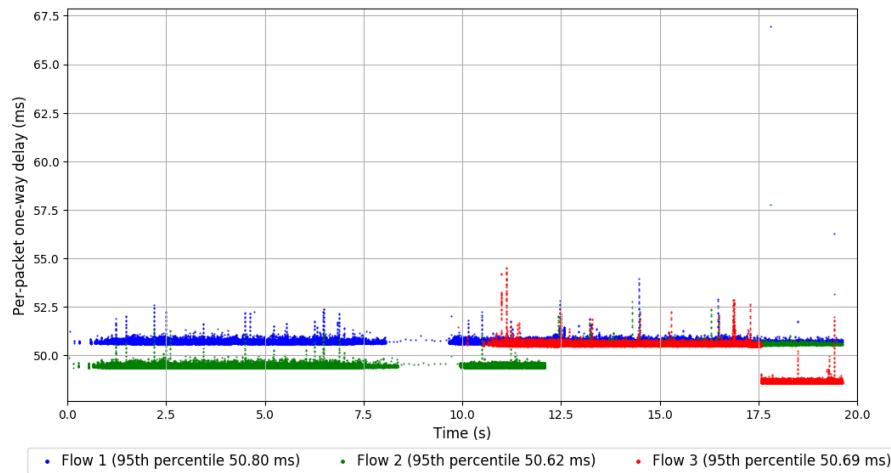
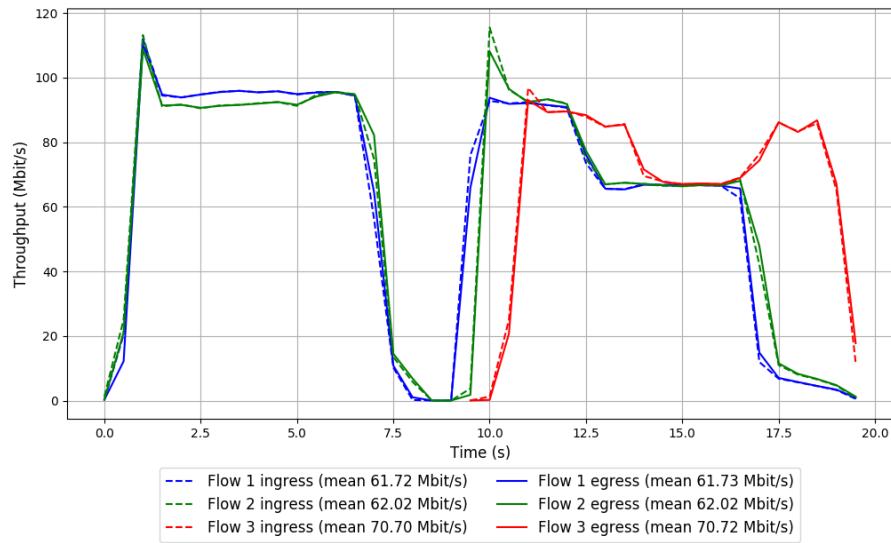


Run 8: Statistics of QUIC Cubic

Start at: 2017-12-01 05:48:33

End at: 2017-12-01 05:49:03

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



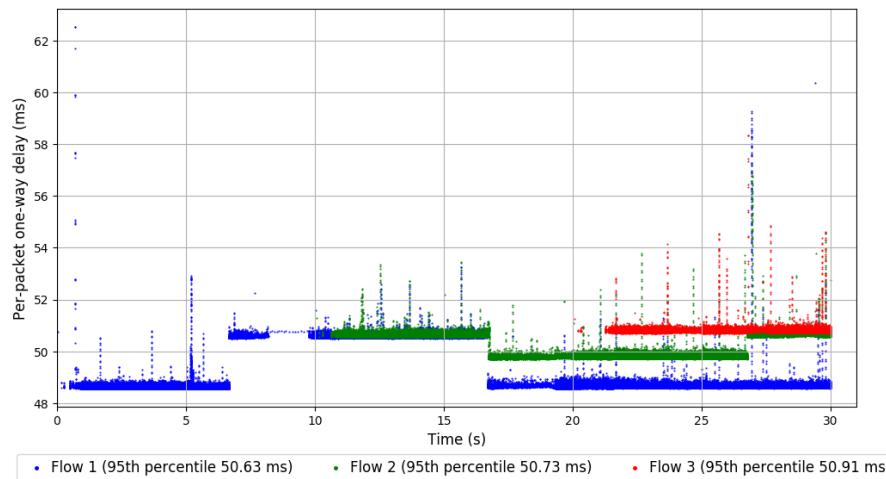
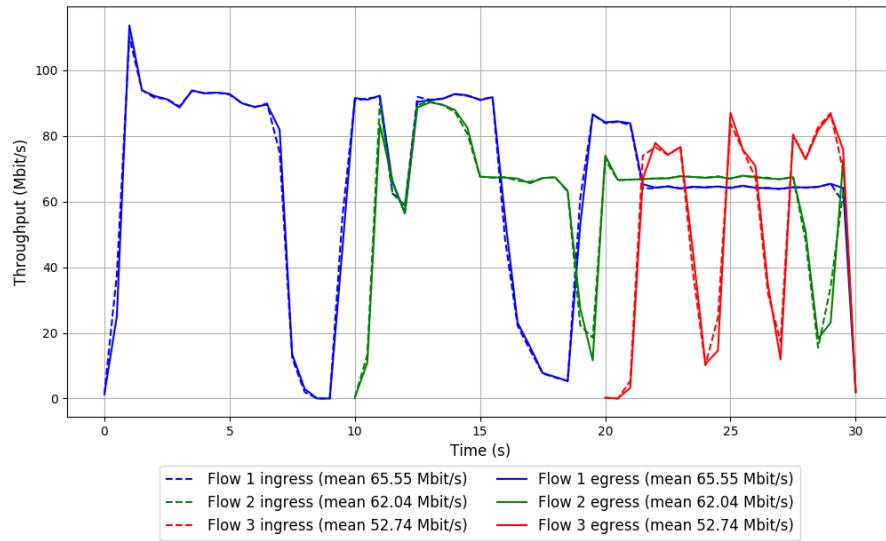
Run 9: Statistics of QUIC Cubic

Start at: 2017-12-01 06:00:34

End at: 2017-12-01 06:01:04

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.34 Mbit/s
95th percentile per-packet one-way delay: 50.820 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.55 Mbit/s
95th percentile per-packet one-way delay: 50.629 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.04 Mbit/s
95th percentile per-packet one-way delay: 50.725 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 52.74 Mbit/s
95th percentile per-packet one-way delay: 50.908 ms
Loss rate: 0.02%
```

Run 9: Report of QUIC Cubic — Data Link



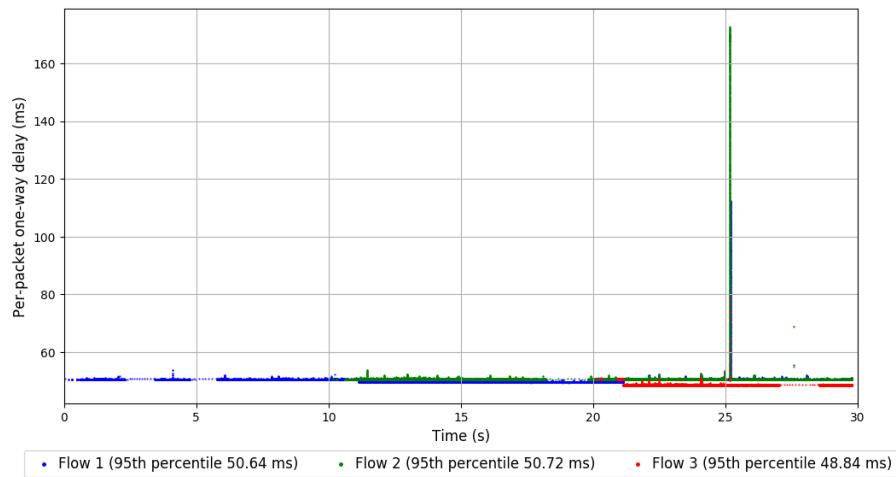
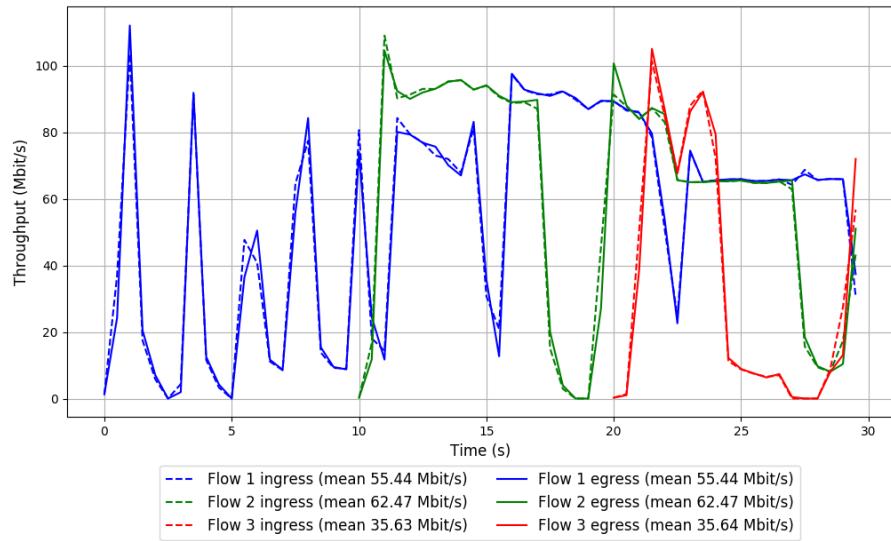
Run 10: Statistics of QUIC Cubic

Start at: 2017-12-01 06:12:39

End at: 2017-12-01 06:13:09

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 108.55 Mbit/s
95th percentile per-packet one-way delay: 50.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.44 Mbit/s
95th percentile per-packet one-way delay: 50.643 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.47 Mbit/s
95th percentile per-packet one-way delay: 50.724 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.64 Mbit/s
95th percentile per-packet one-way delay: 48.838 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

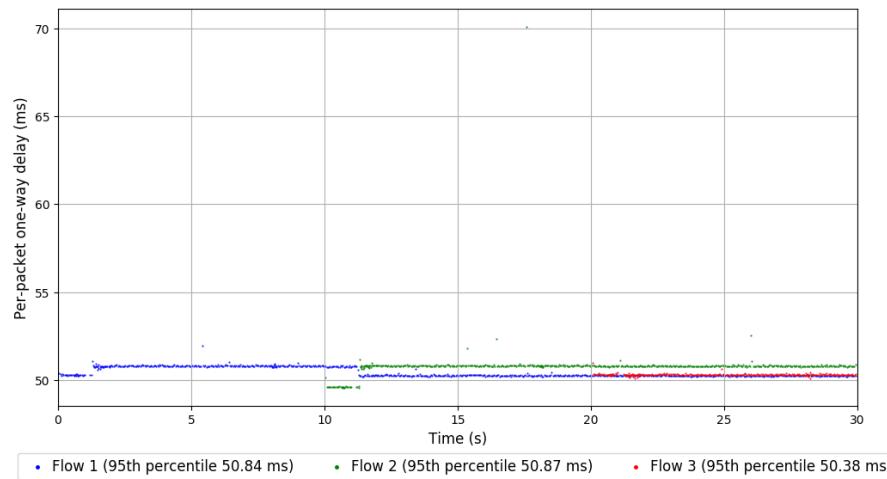
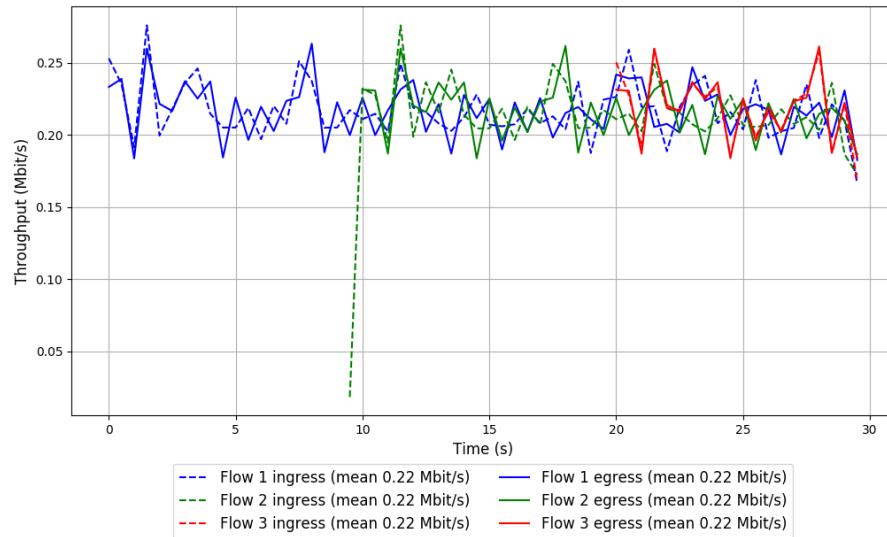


```
Run 1: Statistics of SCReAM

Start at: 2017-12-01 04:22:49
End at: 2017-12-01 04:23:19

# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 50.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.836 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.867 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.378 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link



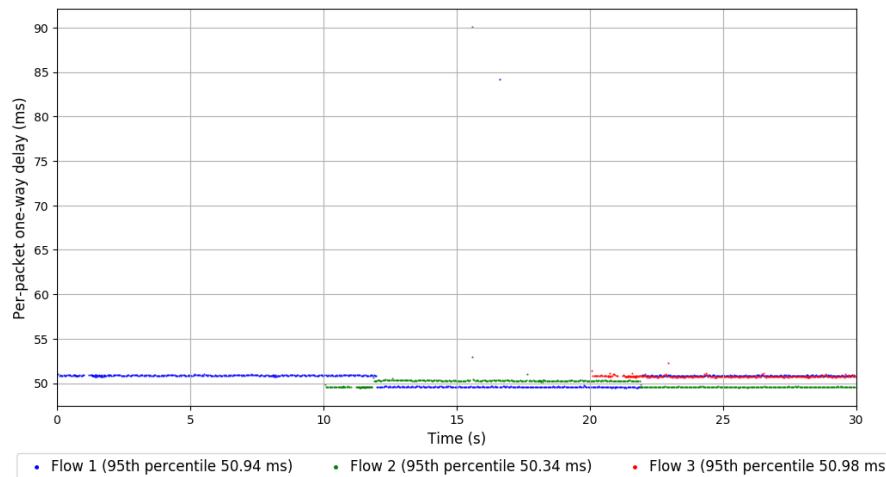
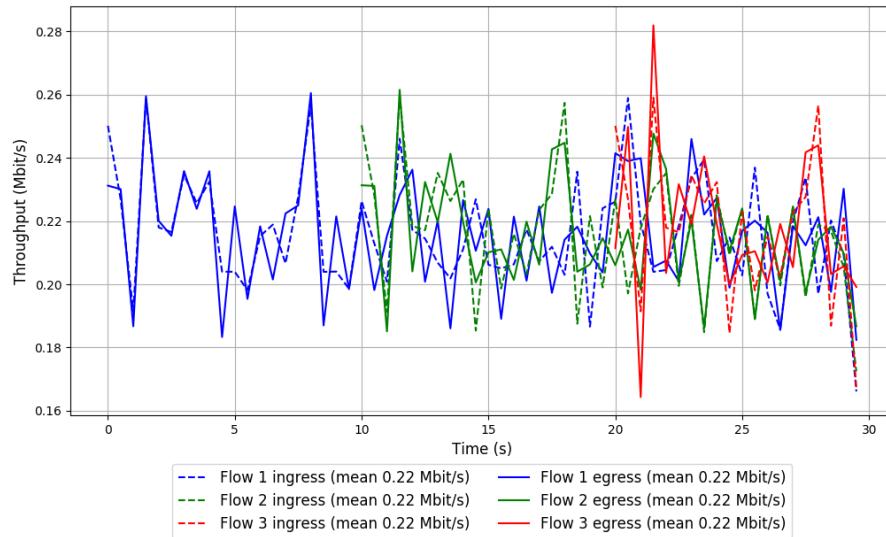
Run 2: Statistics of SCReAM

Start at: 2017-12-01 04:34:49

End at: 2017-12-01 04:35:19

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.340 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.983 ms
Loss rate: 0.00%
```

## Run 2: Report of SCReAM — Data Link



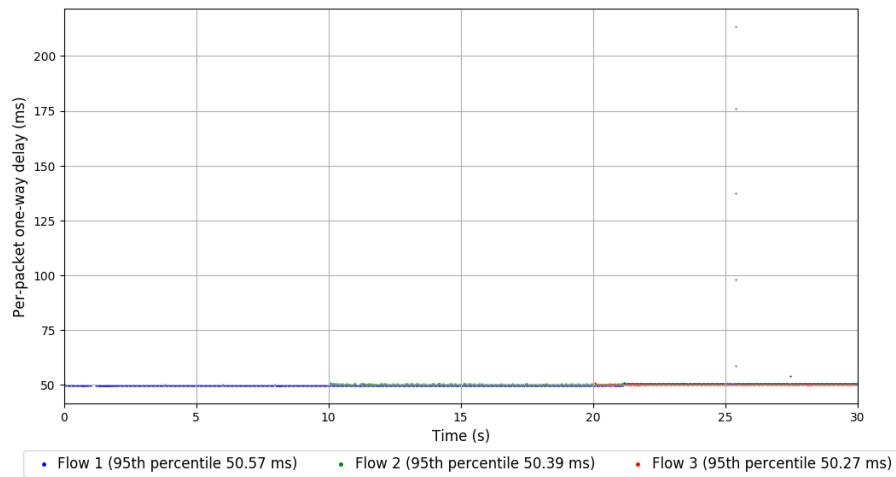
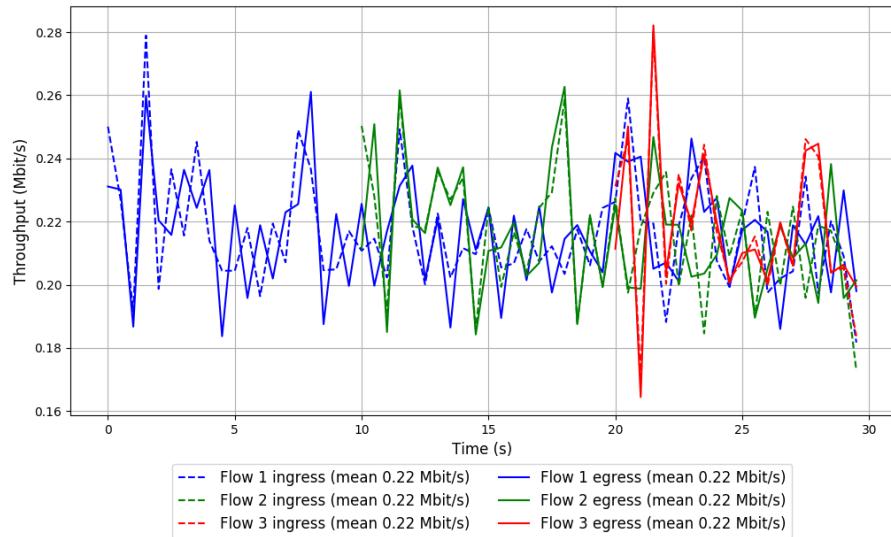
Run 3: Statistics of SCReAM

Start at: 2017-12-01 04:46:40

End at: 2017-12-01 04:47:10

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.562 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.572 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.390 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.271 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link



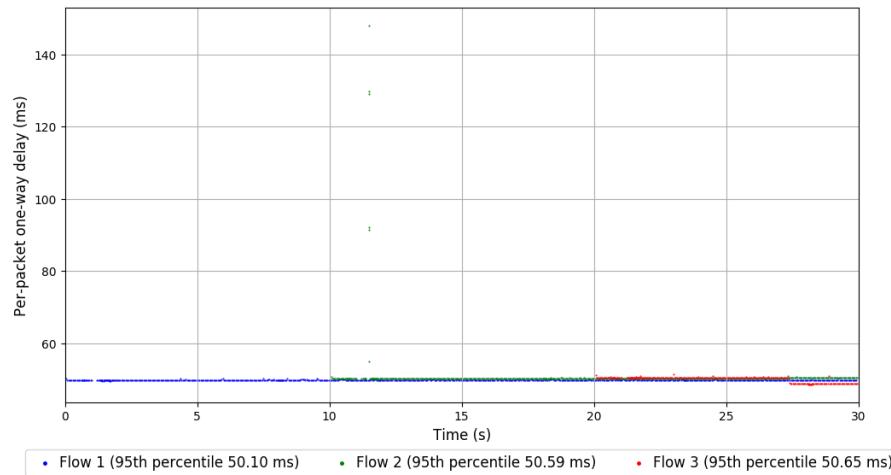
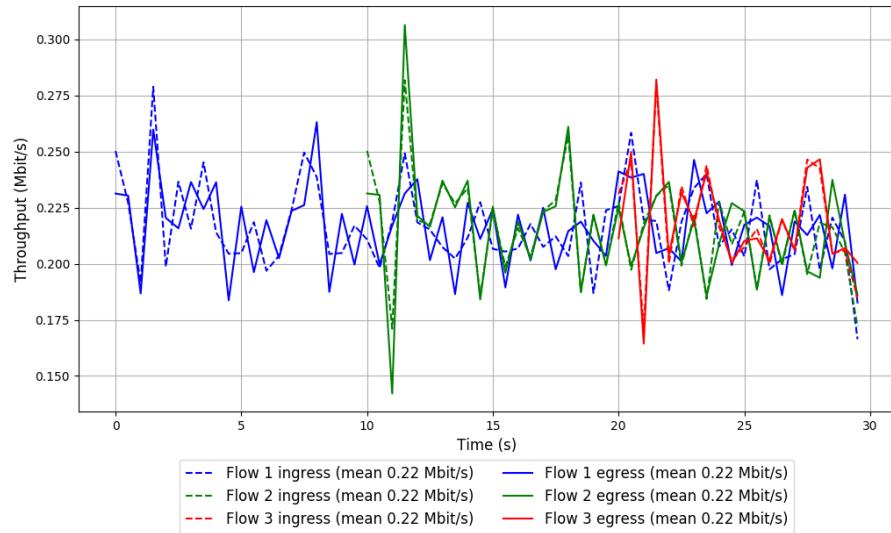
Run 4: Statistics of SCReAM

Start at: 2017-12-01 04:58:23

End at: 2017-12-01 04:58:53

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.608 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.101 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.588 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.648 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link



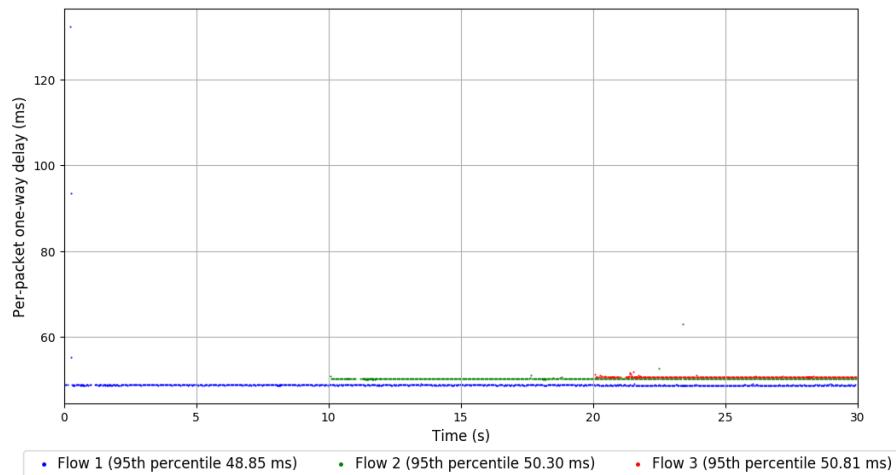
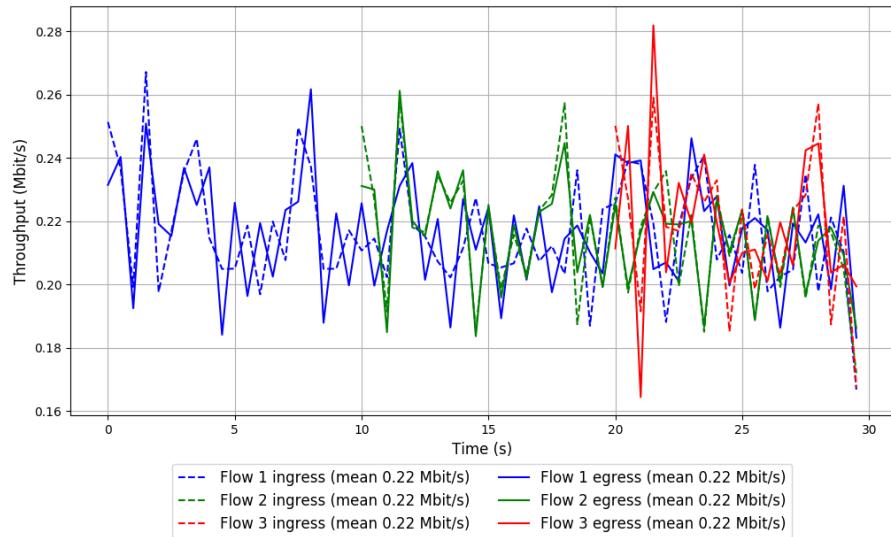
Run 5: Statistics of SCReAM

Start at: 2017-12-01 05:10:05

End at: 2017-12-01 05:10:35

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.851 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.303 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.808 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link



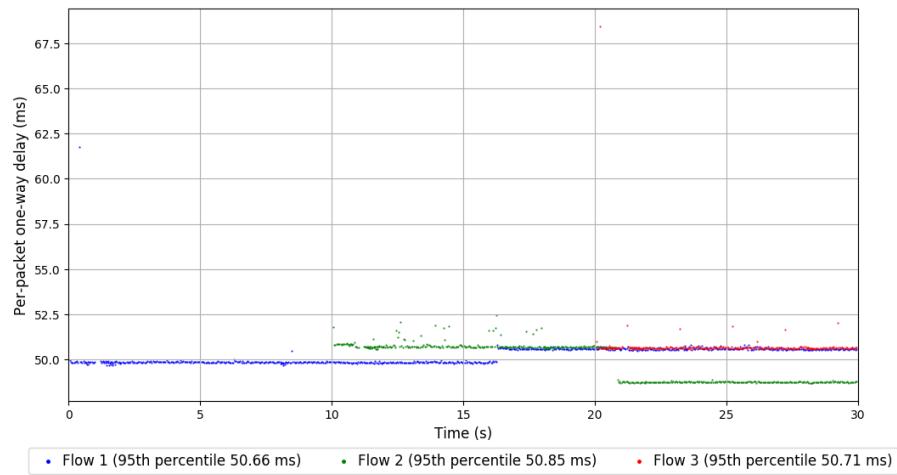
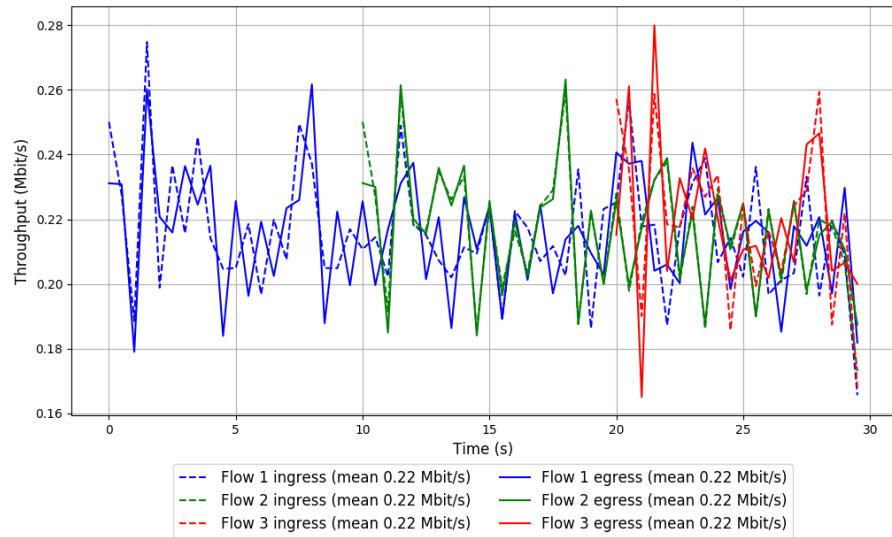
Run 6: Statistics of SCReAM

Start at: 2017-12-01 05:22:05

End at: 2017-12-01 05:22:35

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.658 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.853 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.706 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link



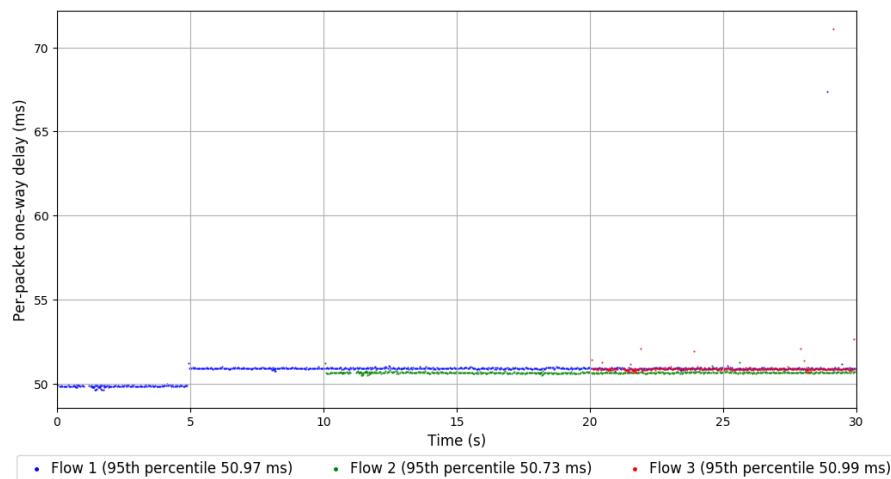
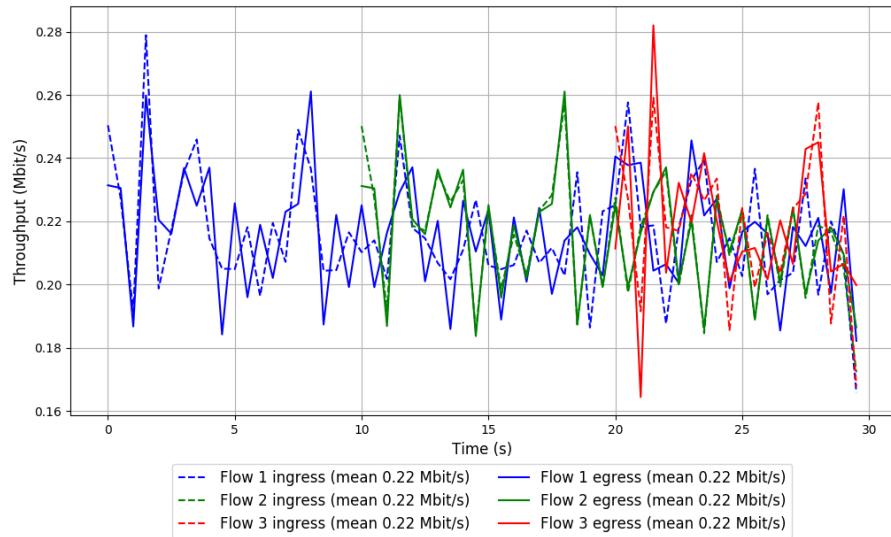
Run 7: Statistics of SCReAM

Start at: 2017-12-01 05:34:06

End at: 2017-12-01 05:34:36

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.970 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.732 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.992 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link



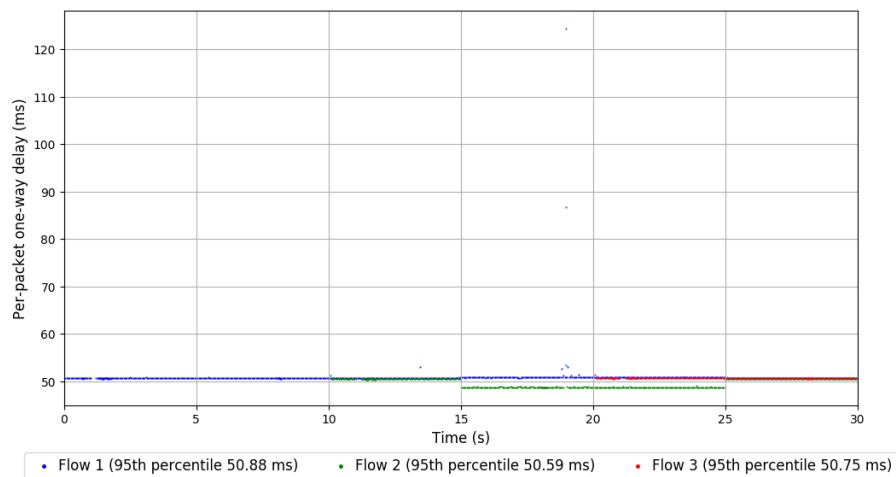
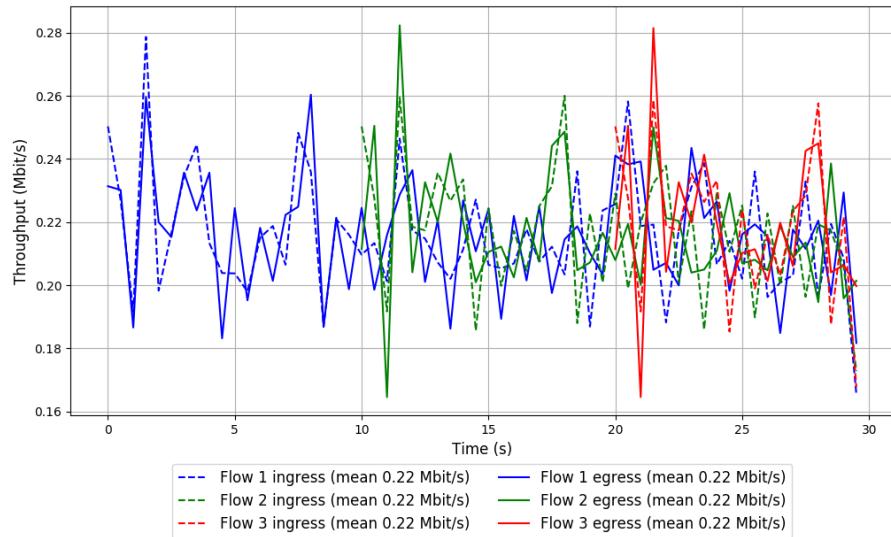
Run 8: Statistics of SCReAM

Start at: 2017-12-01 05:46:16

End at: 2017-12-01 05:46:46

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.858 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.879 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.585 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.746 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link



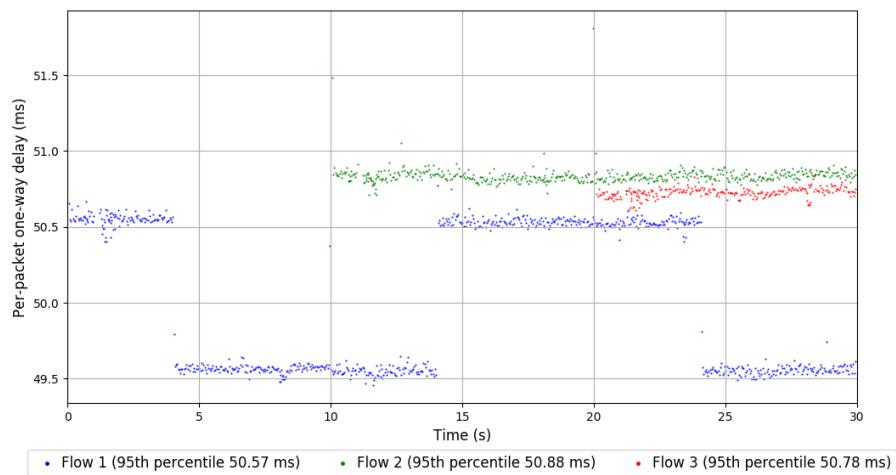
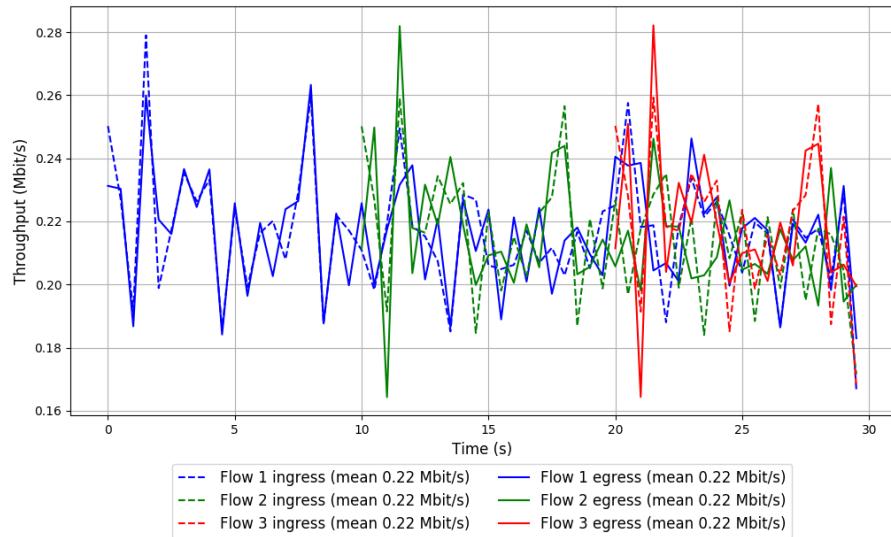
Run 9: Statistics of SCReAM

Start at: 2017-12-01 05:58:17

End at: 2017-12-01 05:58:47

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.574 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.885 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.777 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link



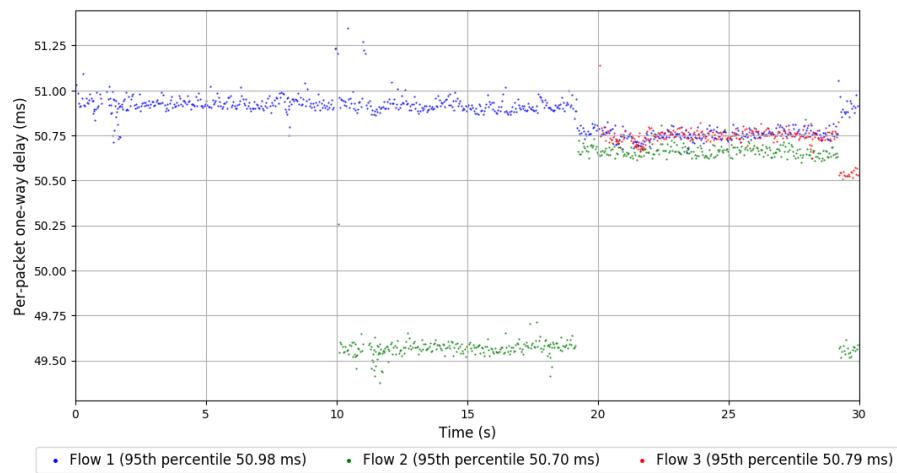
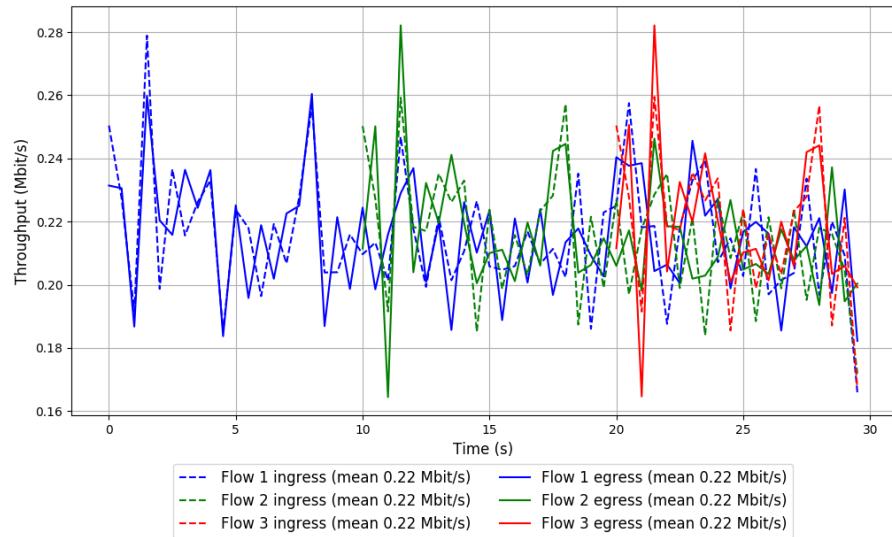
Run 10: Statistics of SCReAM

Start at: 2017-12-01 06:10:22

End at: 2017-12-01 06:10:52

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.981 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.700 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.791 ms
Loss rate: 0.00%
```

## Run 10: Report of SCReAM — Data Link

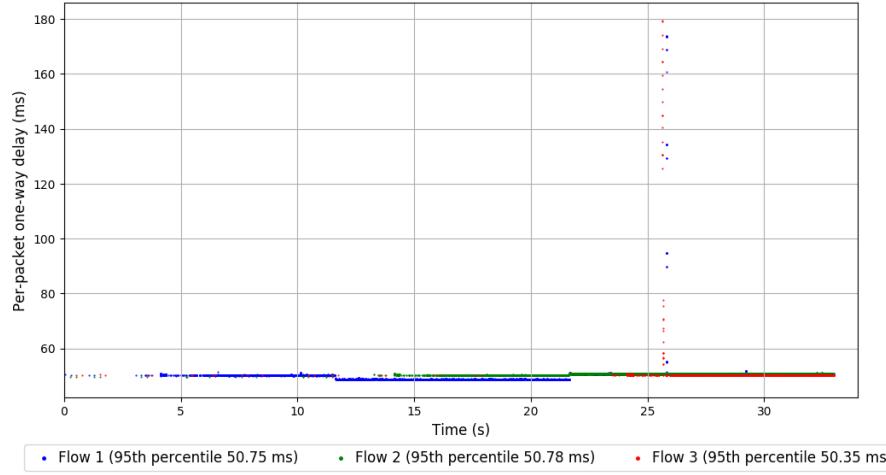
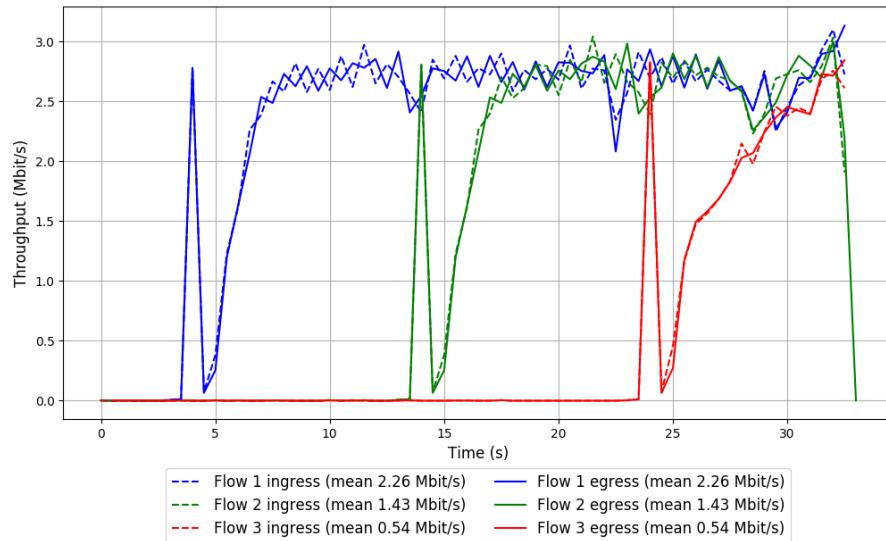


```
Run 1: Statistics of WebRTC media

Start at: 2017-12-01 04:33:12
End at: 2017-12-01 04:33:42

# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 50.761 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 50.746 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 50.783 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 50.352 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



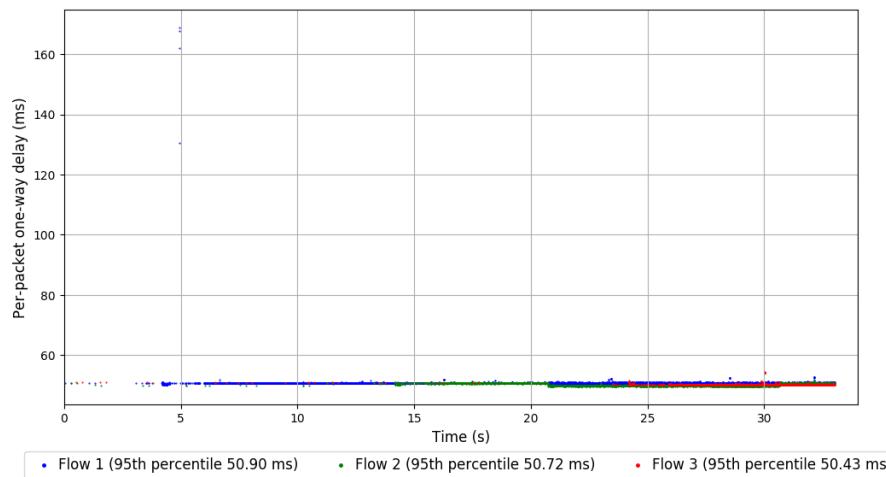
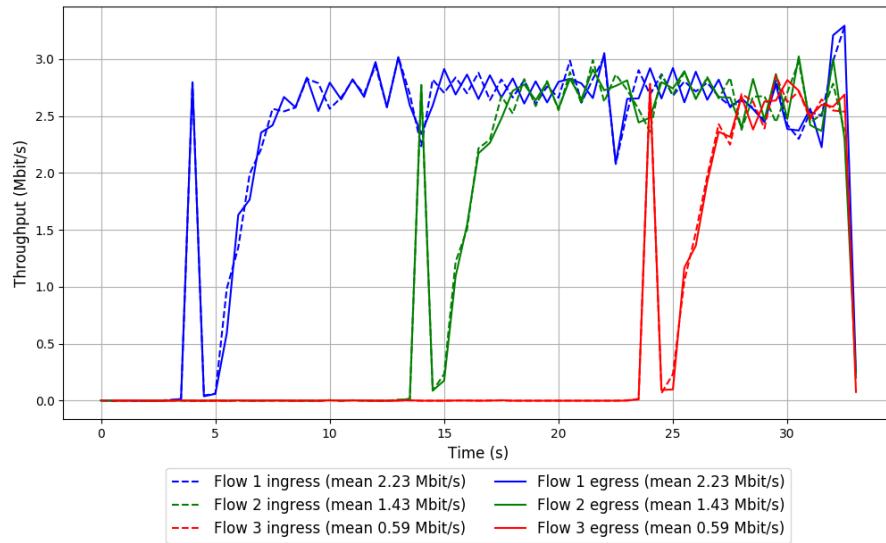
Run 2: Statistics of WebRTC media

Start at: 2017-12-01 04:45:03

End at: 2017-12-01 04:45:33

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 50.868 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 50.897 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 50.717 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 50.434 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

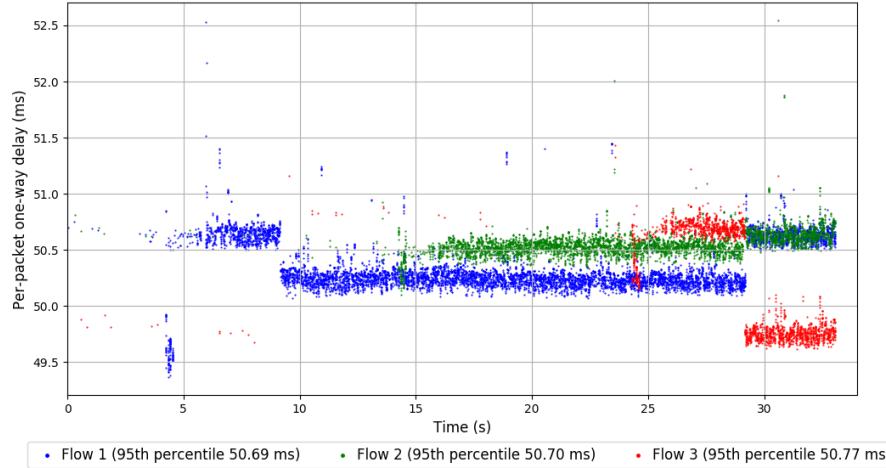
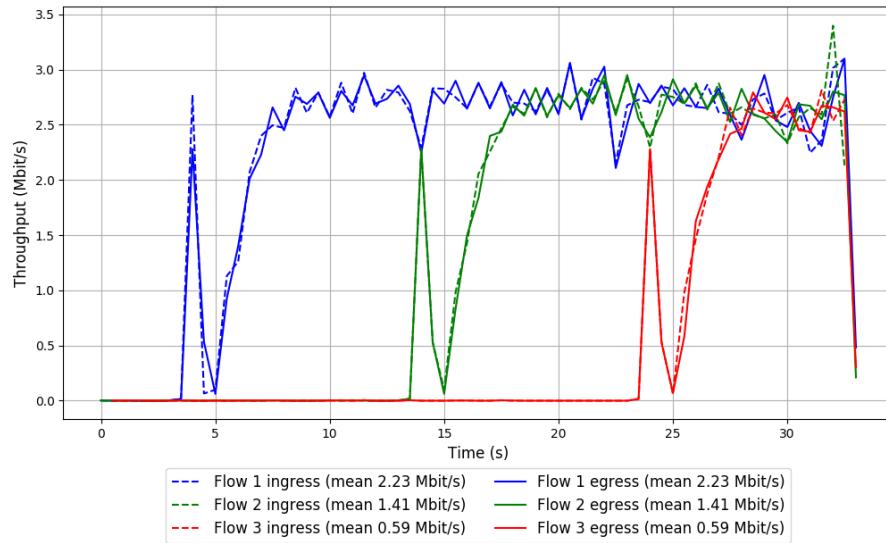


```
Run 3: Statistics of WebRTC media

Start at: 2017-12-01 04:56:55
End at: 2017-12-01 04:57:25

# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 50.717 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 50.691 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 50.700 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 50.775 ms
Loss rate: 0.10%
```

### Run 3: Report of WebRTC media — Data Link

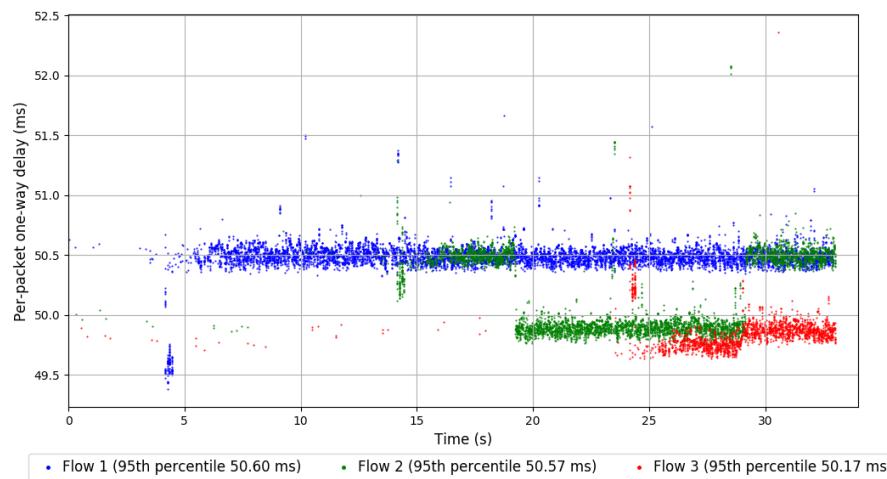
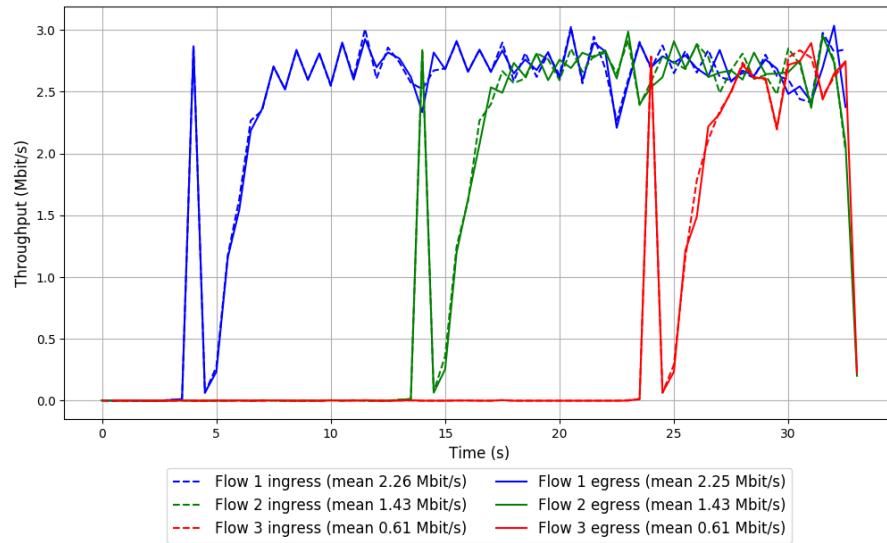


```
Run 4: Statistics of WebRTC media

Start at: 2017-12-01 05:08:35
End at: 2017-12-01 05:09:05

# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 50.586 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 50.601 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 50.570 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 50.172 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

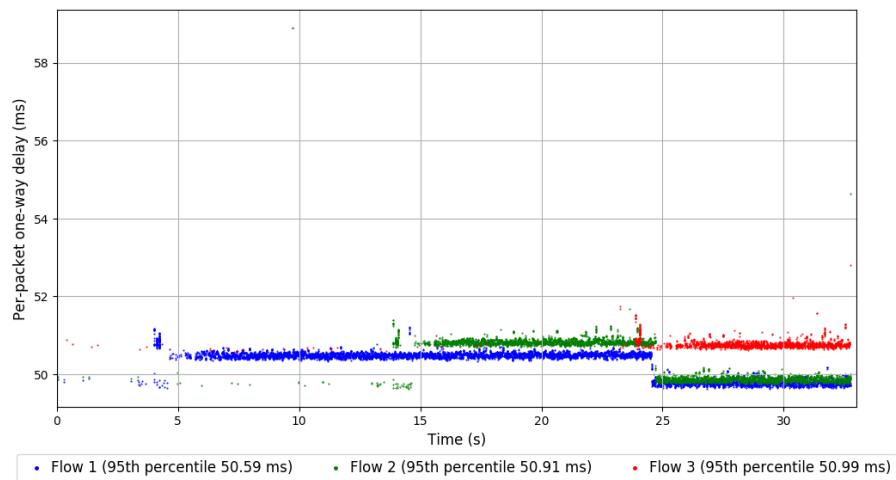
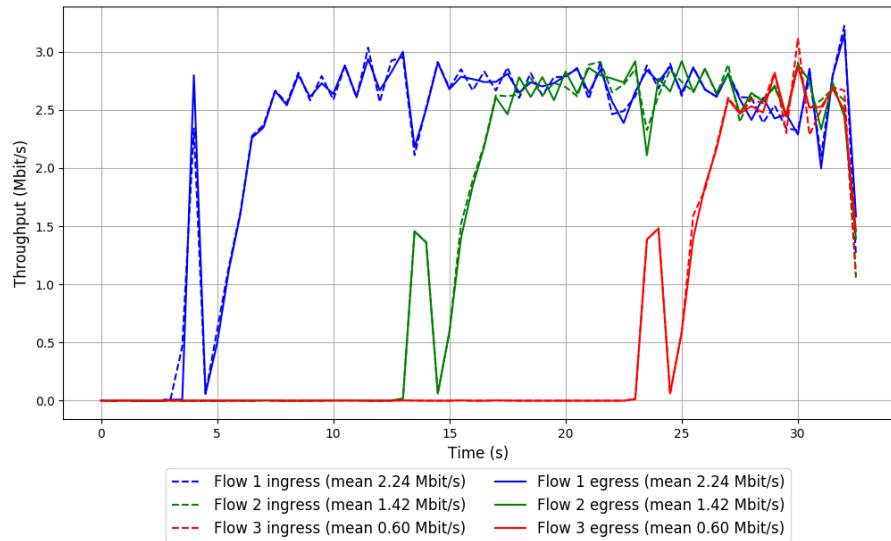


```
Run 5: Statistics of WebRTC media

Start at: 2017-12-01 05:20:29
End at: 2017-12-01 05:20:59

# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 50.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 50.594 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 50.915 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 50.987 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

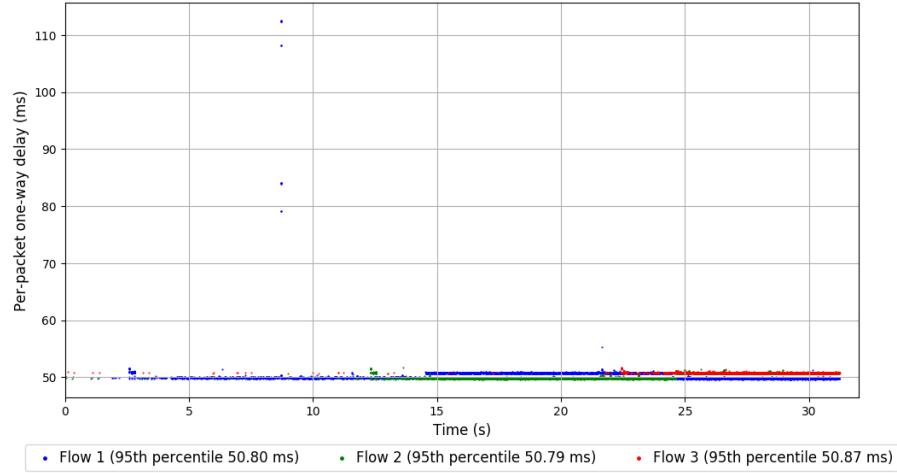
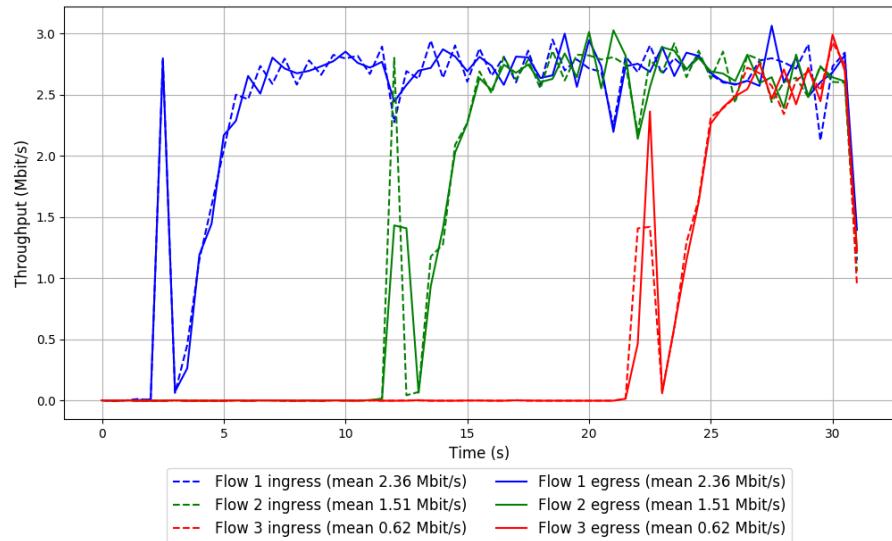


```
Run 6: Statistics of WebRTC media

Start at: 2017-12-01 05:32:27
End at: 2017-12-01 05:32:57

# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 50.813 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 50.805 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 50.789 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 50.865 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link



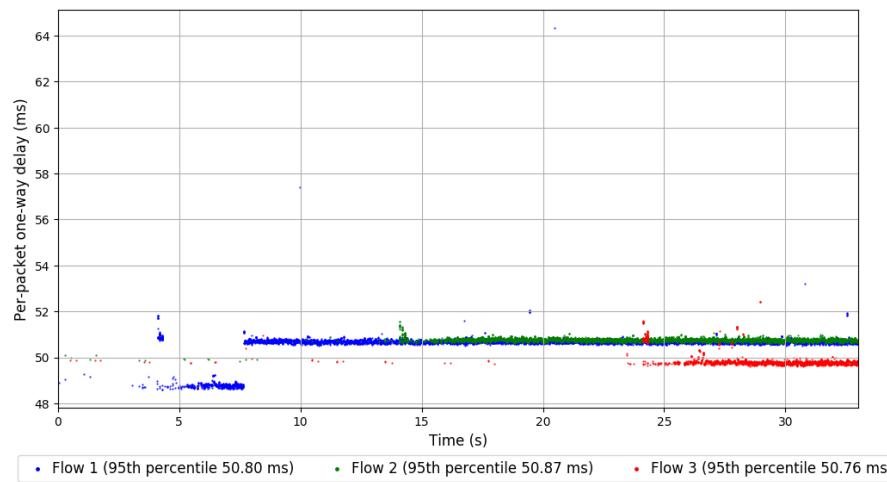
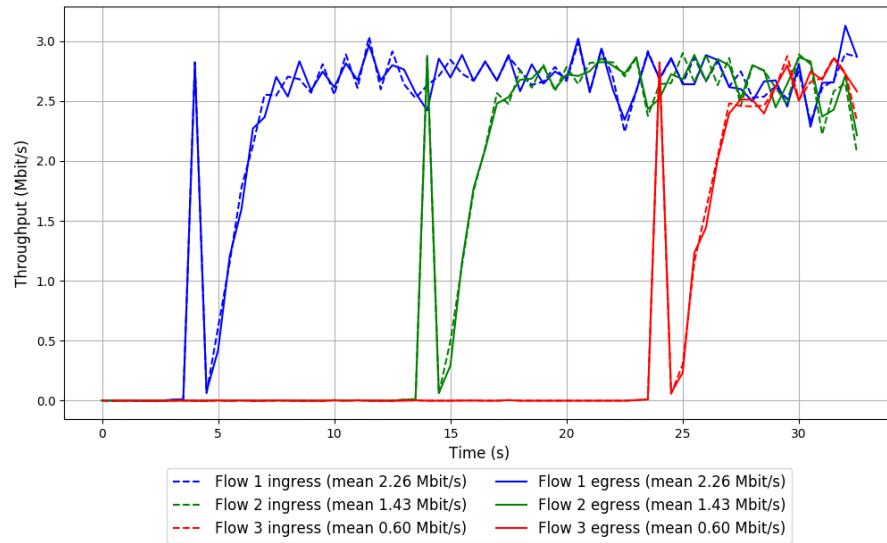
Run 7: Statistics of WebRTC media

Start at: 2017-12-01 05:44:36

End at: 2017-12-01 05:45:06

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 50.842 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 50.795 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 50.869 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 50.761 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

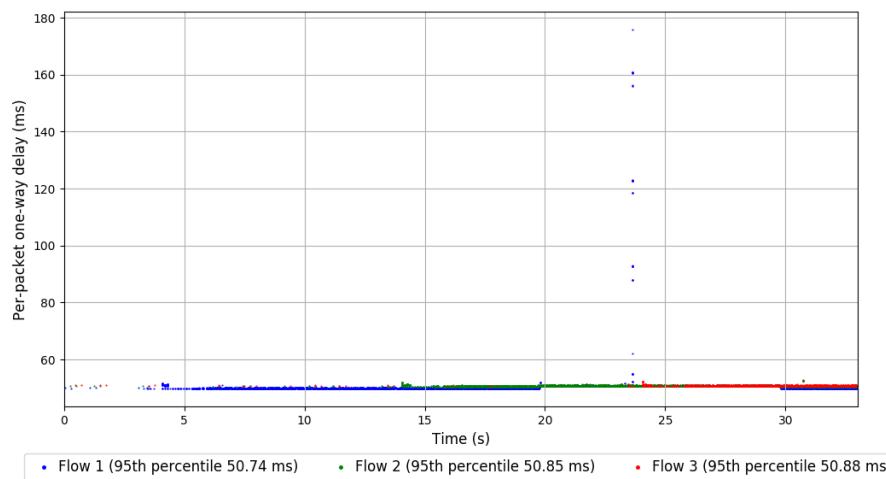
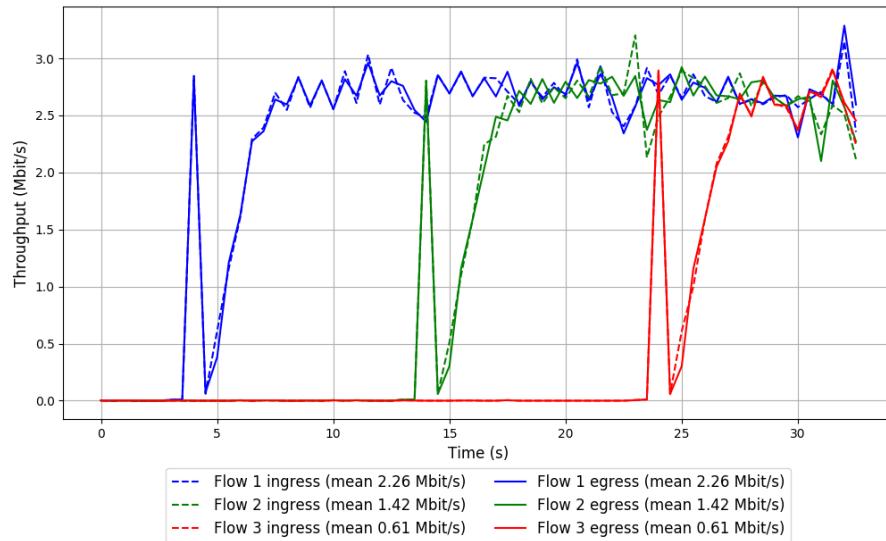


```
Run 8: Statistics of WebRTC media

Start at: 2017-12-01 05:56:44
End at: 2017-12-01 05:57:14

# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 50.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 50.745 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 50.855 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 50.885 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link



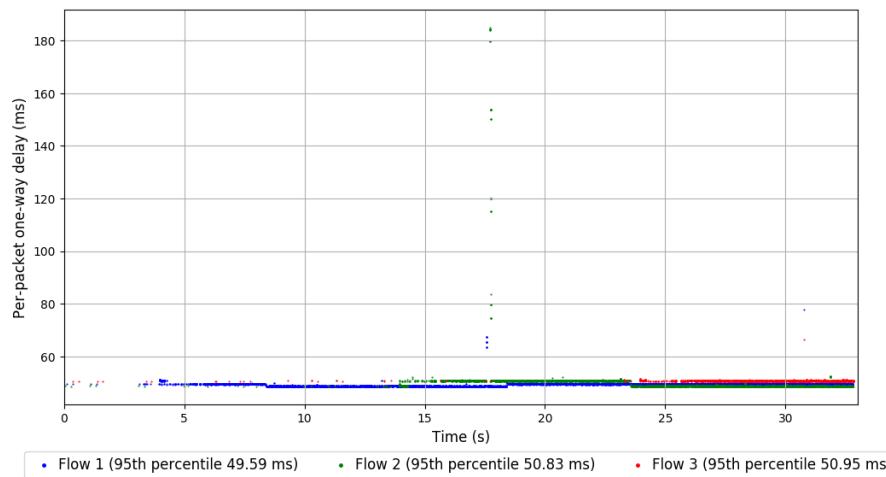
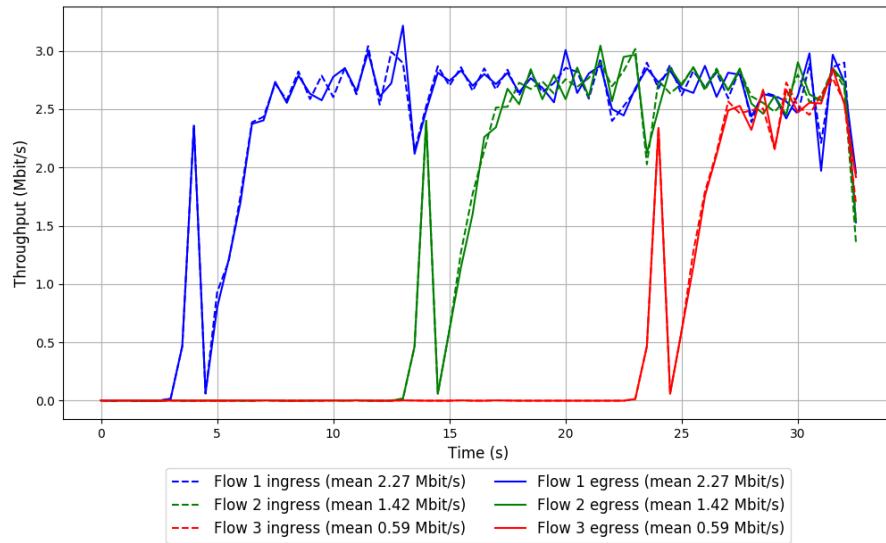
Run 9: Statistics of WebRTC media

Start at: 2017-12-01 06:08:50

End at: 2017-12-01 06:09:20

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 50.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 49.593 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 50.834 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 50.951 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

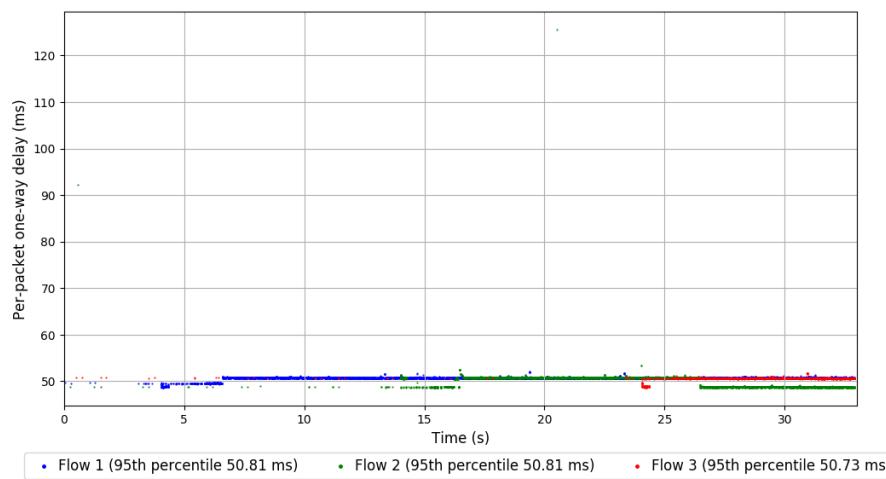
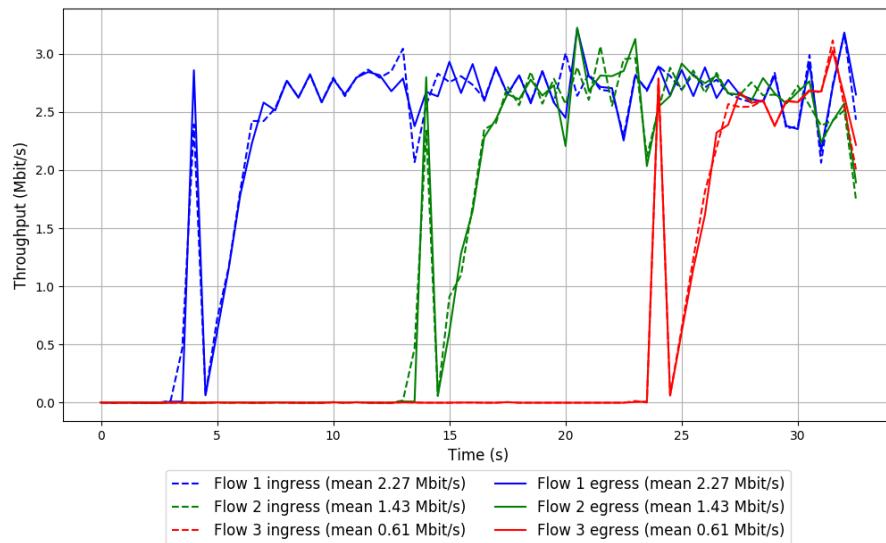


```
Run 10: Statistics of WebRTC media

Start at: 2017-12-01 06:21:07
End at: 2017-12-01 06:21:37

# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 50.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 50.811 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 50.812 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 50.729 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link



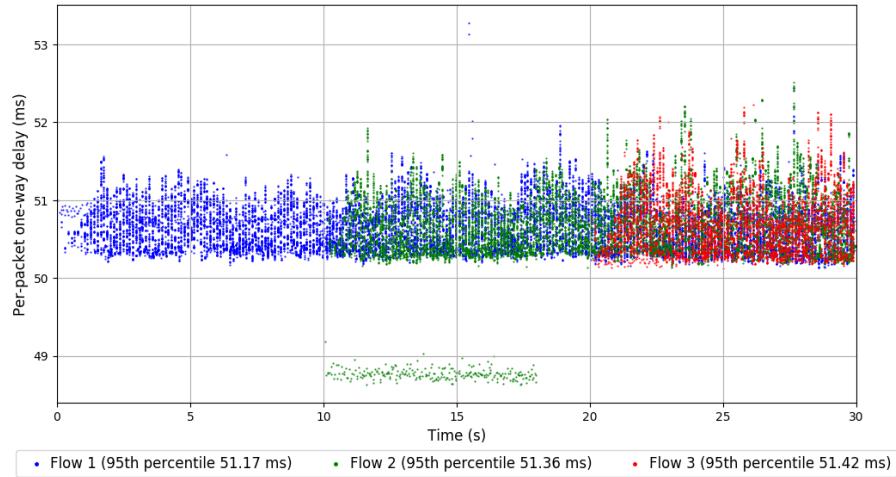
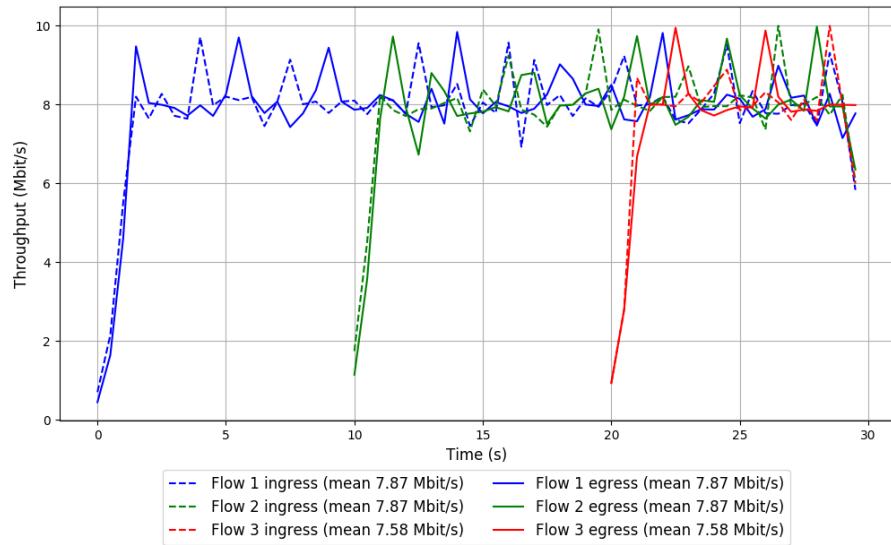
Run 1: Statistics of Sprout

Start at: 2017-12-01 04:28:53

End at: 2017-12-01 04:29:23

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.60 Mbit/s
95th percentile per-packet one-way delay: 51.278 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 51.169 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 51.359 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 51.424 ms
Loss rate: 0.00%
```

## Run 1: Report of Sprout — Data Link



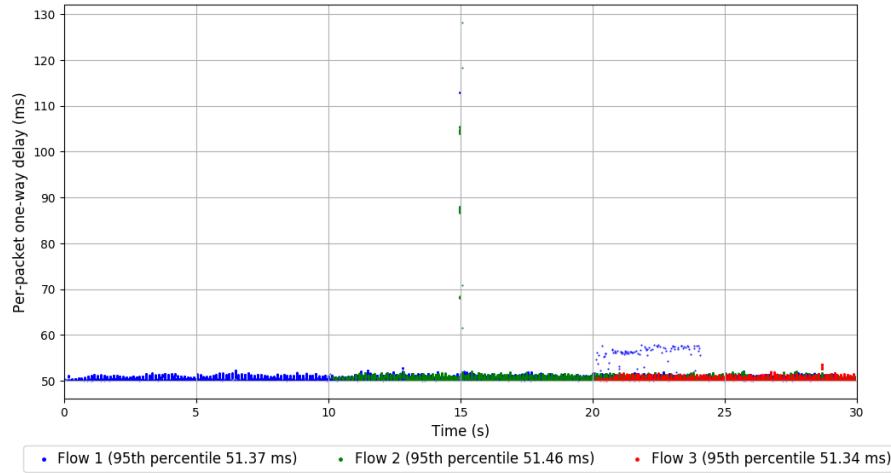
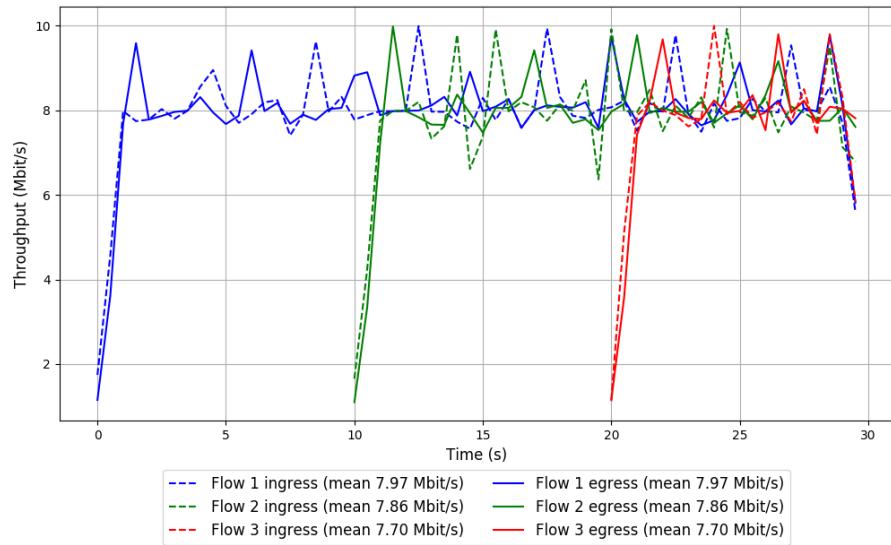
Run 2: Statistics of Sprout

Start at: 2017-12-01 04:40:50

End at: 2017-12-01 04:41:20

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.72 Mbit/s
95th percentile per-packet one-way delay: 51.408 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 51.372 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 51.459 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 51.345 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link



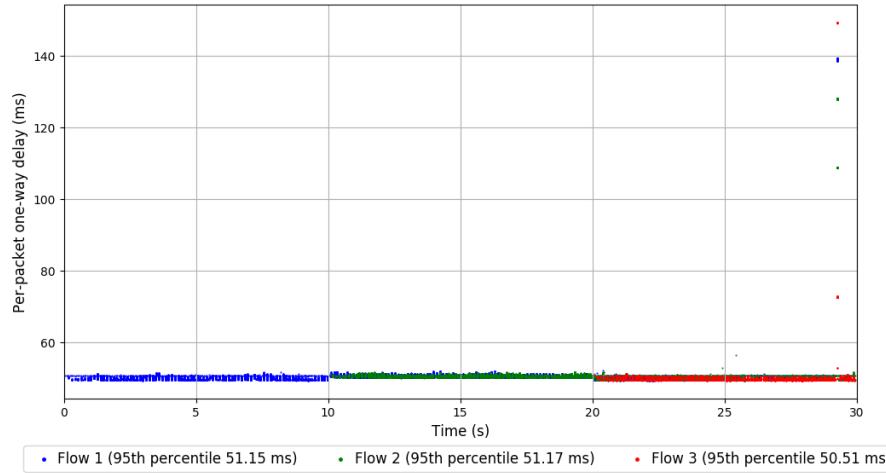
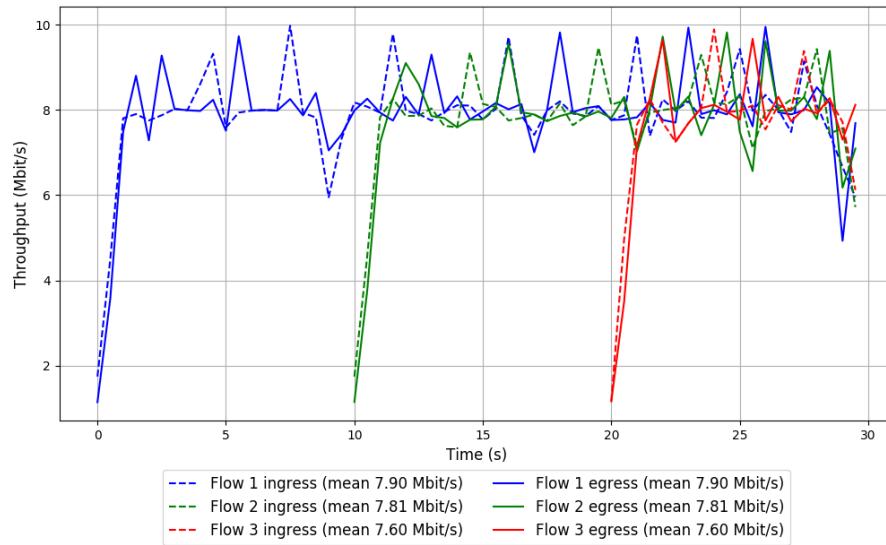
Run 3: Statistics of Sprout

Start at: 2017-12-01 04:52:35

End at: 2017-12-01 04:53:05

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.59 Mbit/s
95th percentile per-packet one-way delay: 51.117 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 51.148 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 51.171 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 7.60 Mbit/s
95th percentile per-packet one-way delay: 50.508 ms
Loss rate: 0.00%
```

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



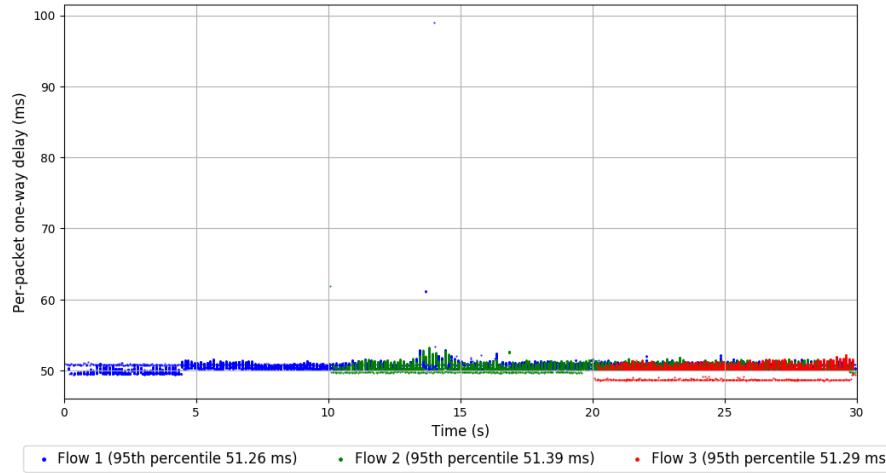
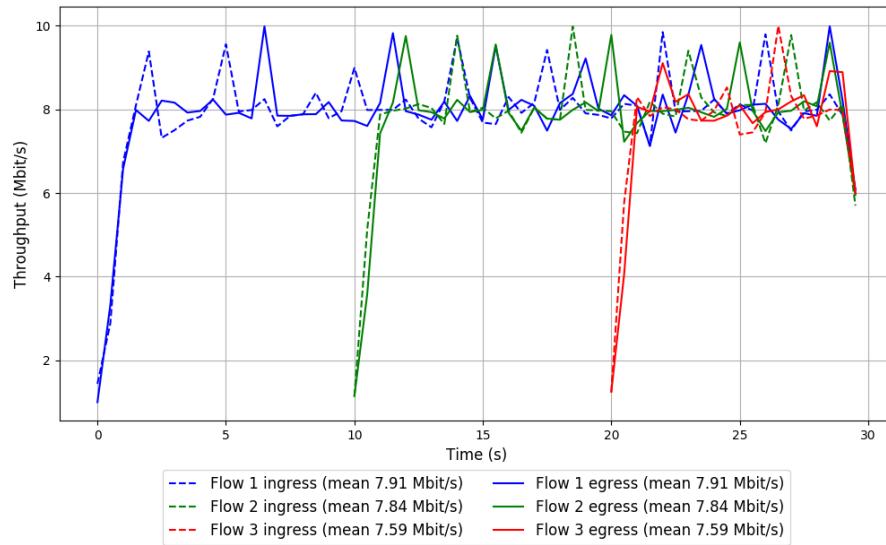
Run 4: Statistics of Sprout

Start at: 2017-12-01 05:04:21

End at: 2017-12-01 05:04:51

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.62 Mbit/s
95th percentile per-packet one-way delay: 51.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 51.263 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 7.84 Mbit/s
95th percentile per-packet one-way delay: 51.394 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 51.292 ms
Loss rate: 0.00%
```

## Run 4: Report of Sprout — Data Link



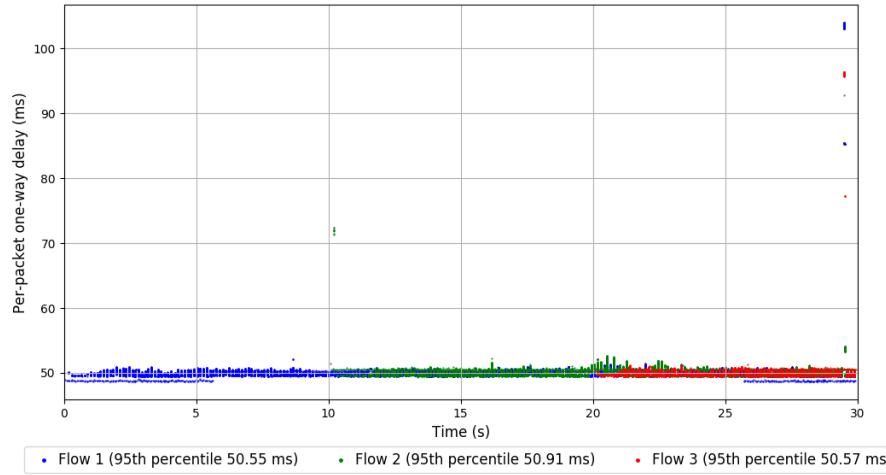
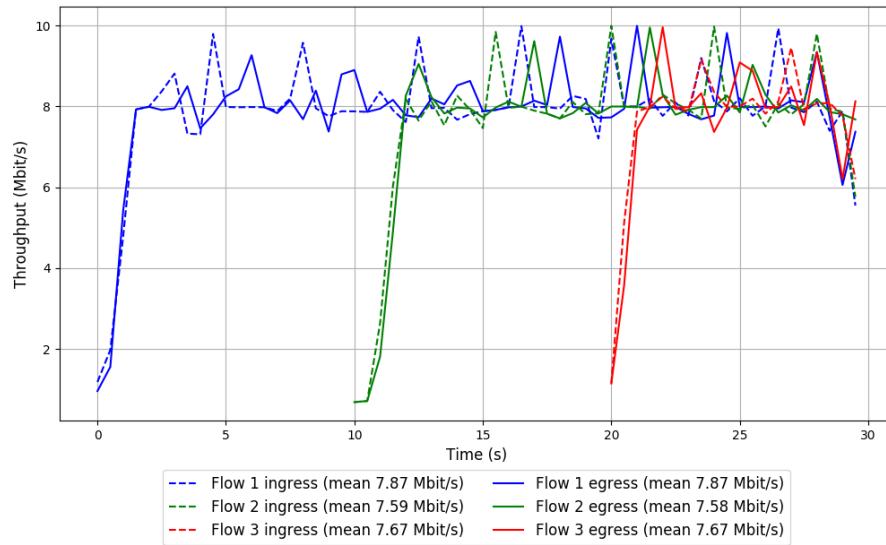
Run 5: Statistics of Sprout

Start at: 2017-12-01 05:16:05

End at: 2017-12-01 05:16:35

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.42 Mbit/s
95th percentile per-packet one-way delay: 50.648 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 50.555 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 50.909 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 7.67 Mbit/s
95th percentile per-packet one-way delay: 50.569 ms
Loss rate: 0.00%
```

## Run 5: Report of Sprout — Data Link



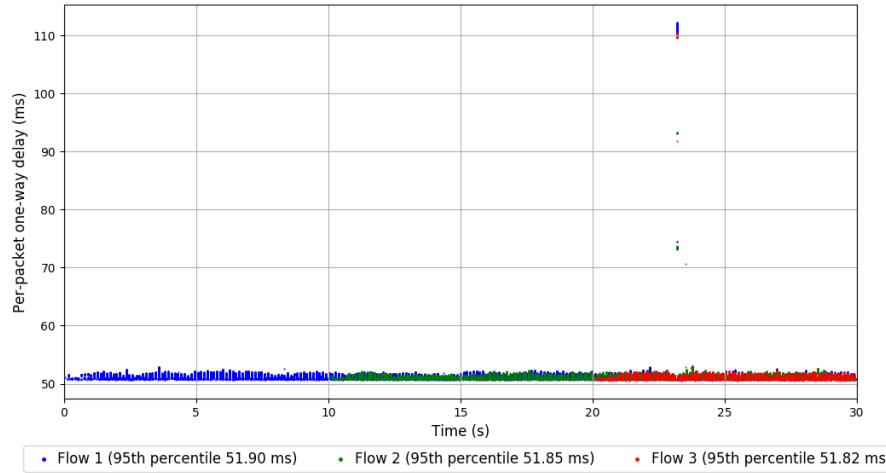
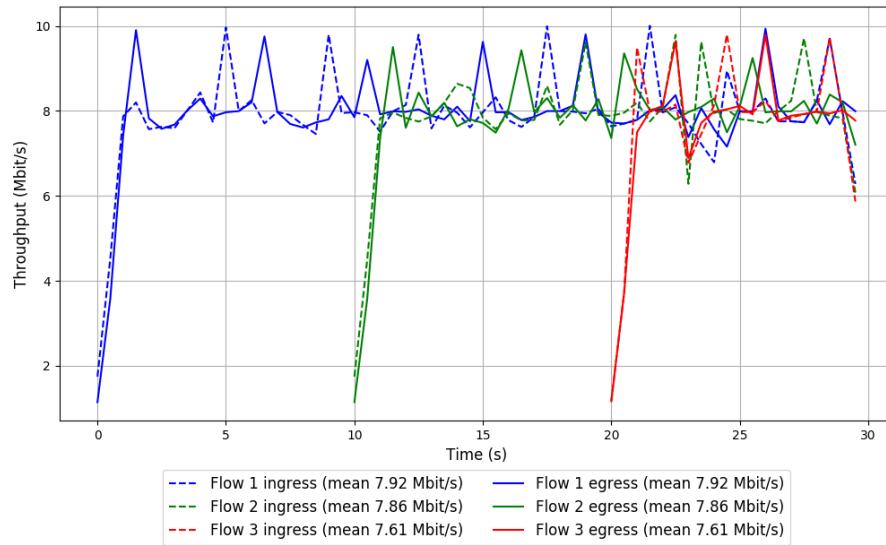
Run 6: Statistics of Sprout

Start at: 2017-12-01 05:28:11

End at: 2017-12-01 05:28:41

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.65 Mbit/s
95th percentile per-packet one-way delay: 51.873 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 51.901 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 51.853 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 51.824 ms
Loss rate: 0.00%
```

## Run 6: Report of Sprout — Data Link



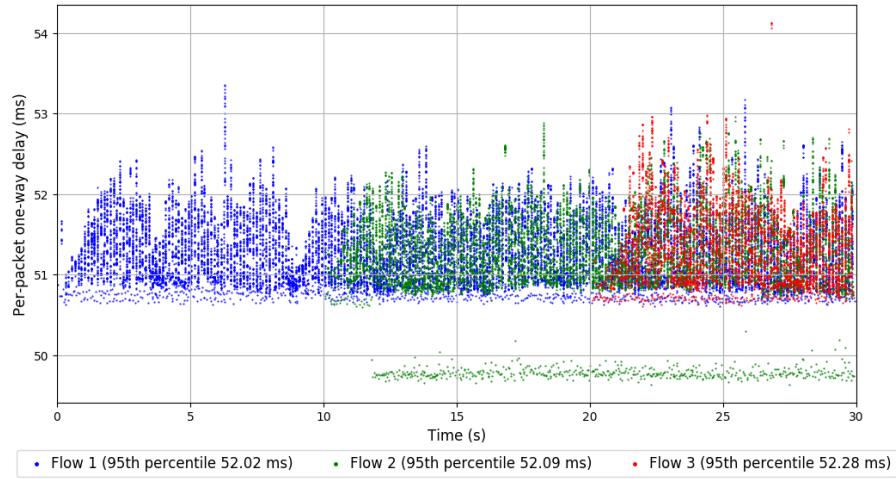
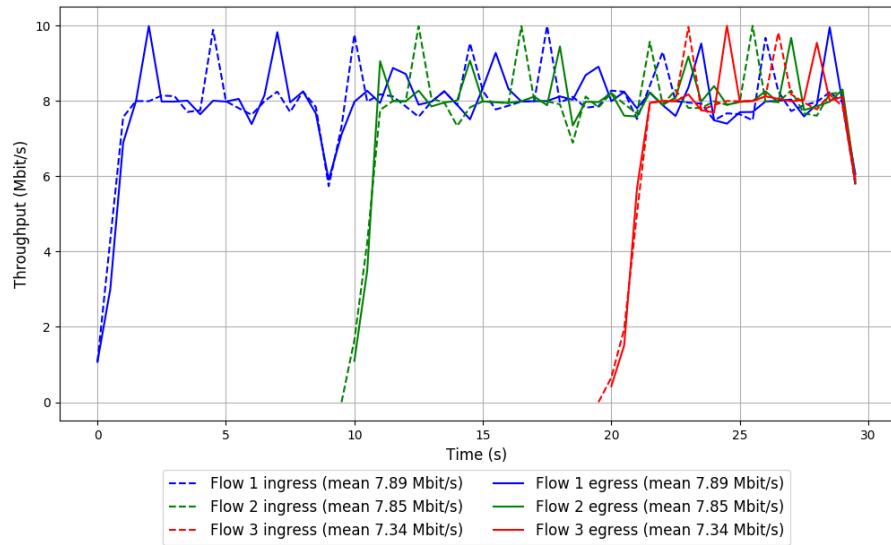
Run 7: Statistics of Sprout

Start at: 2017-12-01 05:40:09

End at: 2017-12-01 05:40:39

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.54 Mbit/s
95th percentile per-packet one-way delay: 52.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.89 Mbit/s
95th percentile per-packet one-way delay: 52.025 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 52.088 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 52.276 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link



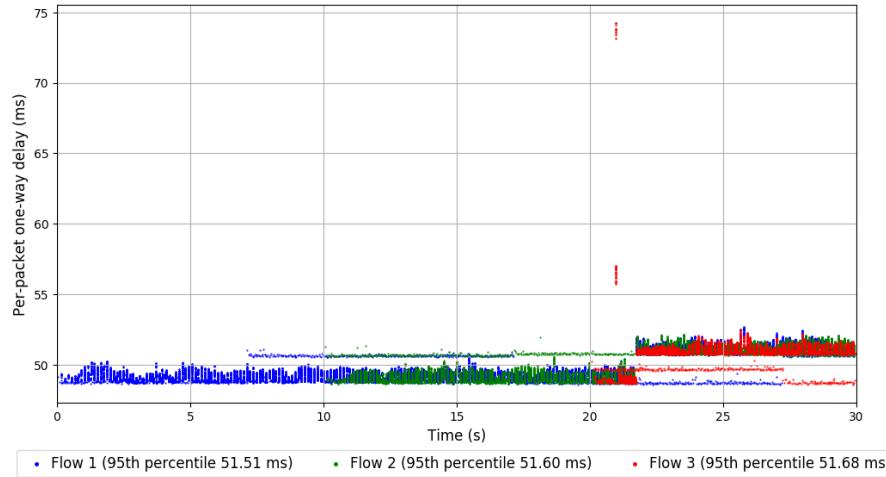
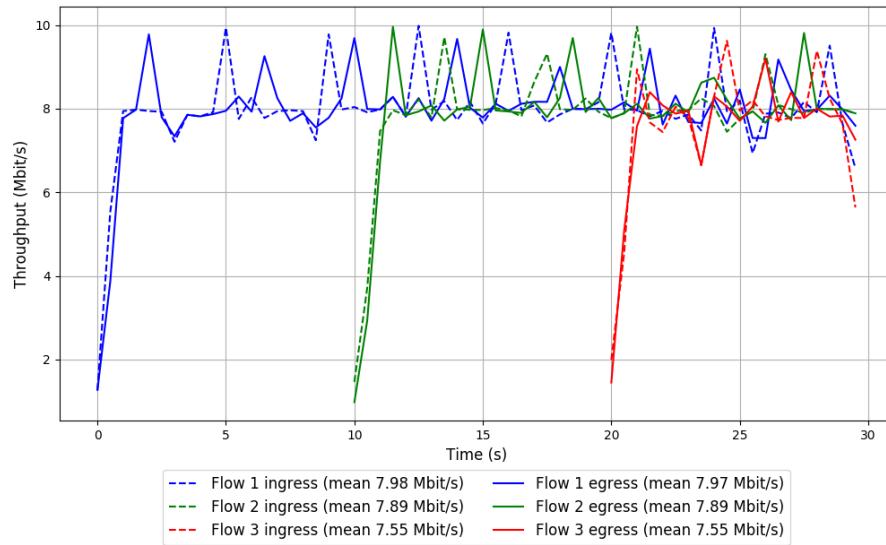
Run 8: Statistics of Sprout

Start at: 2017-12-01 05:52:14

End at: 2017-12-01 05:52:44

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.71 Mbit/s
95th percentile per-packet one-way delay: 51.571 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 51.505 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 7.89 Mbit/s
95th percentile per-packet one-way delay: 51.601 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.55 Mbit/s
95th percentile per-packet one-way delay: 51.683 ms
Loss rate: 0.00%
```

## Run 8: Report of Sprout — Data Link



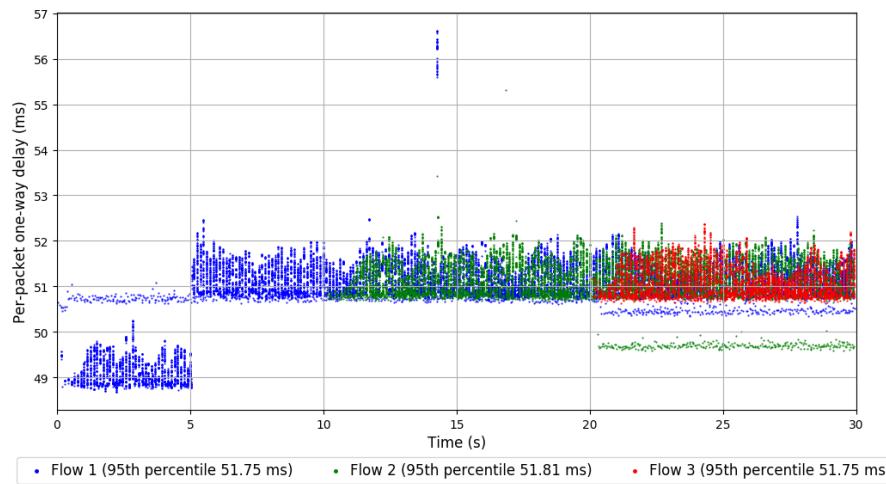
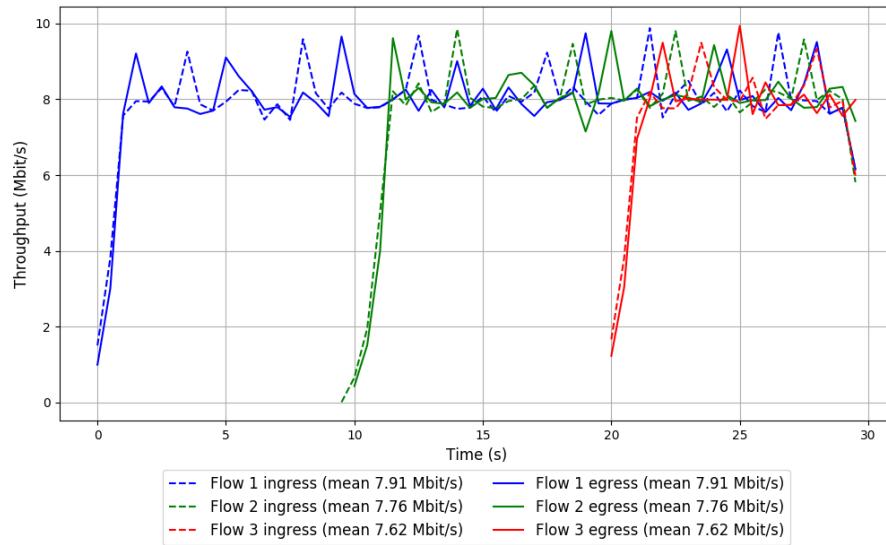
Run 9: Statistics of Sprout

Start at: 2017-12-01 06:04:20

End at: 2017-12-01 06:04:50

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.57 Mbit/s
95th percentile per-packet one-way delay: 51.772 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 51.746 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 51.813 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 7.62 Mbit/s
95th percentile per-packet one-way delay: 51.753 ms
Loss rate: 0.00%
```

## Run 9: Report of Sprout — Data Link



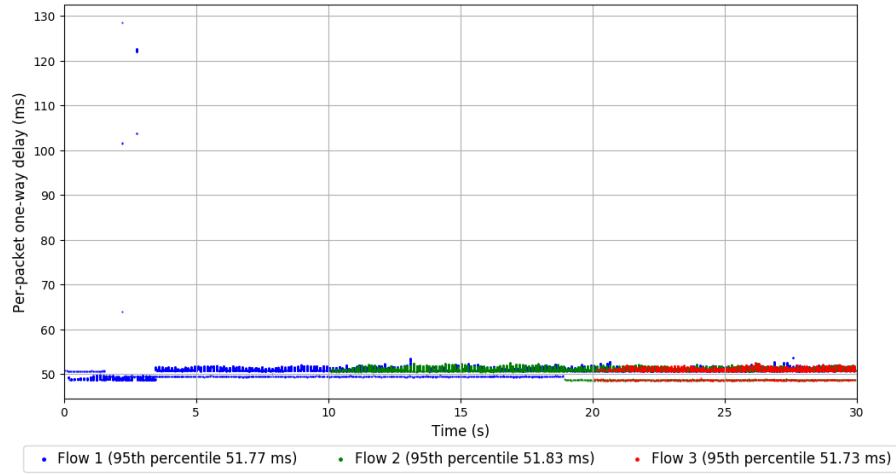
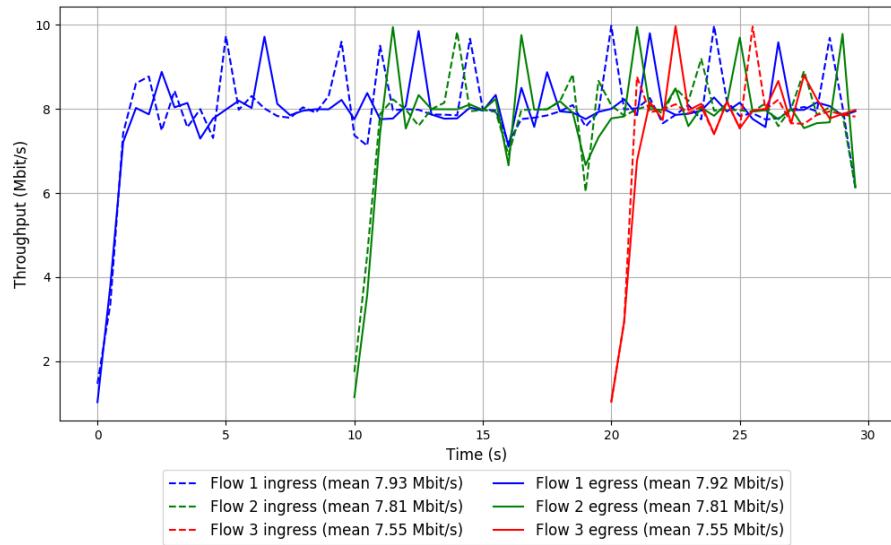
Run 10: Statistics of Sprout

Start at: 2017-12-01 06:16:32

End at: 2017-12-01 06:17:02

```
# Below is generated by plot.py at 2017-12-01 08:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.60 Mbit/s
95th percentile per-packet one-way delay: 51.796 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 51.765 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 51.830 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.55 Mbit/s
95th percentile per-packet one-way delay: 51.729 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link



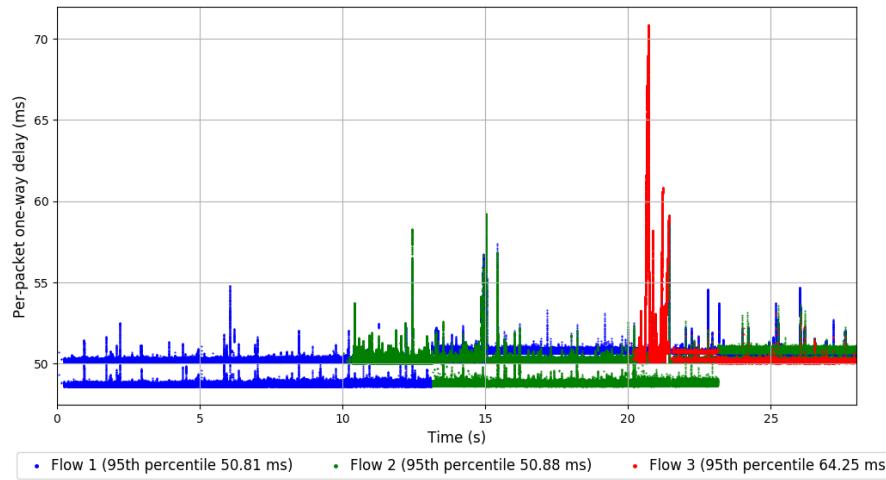
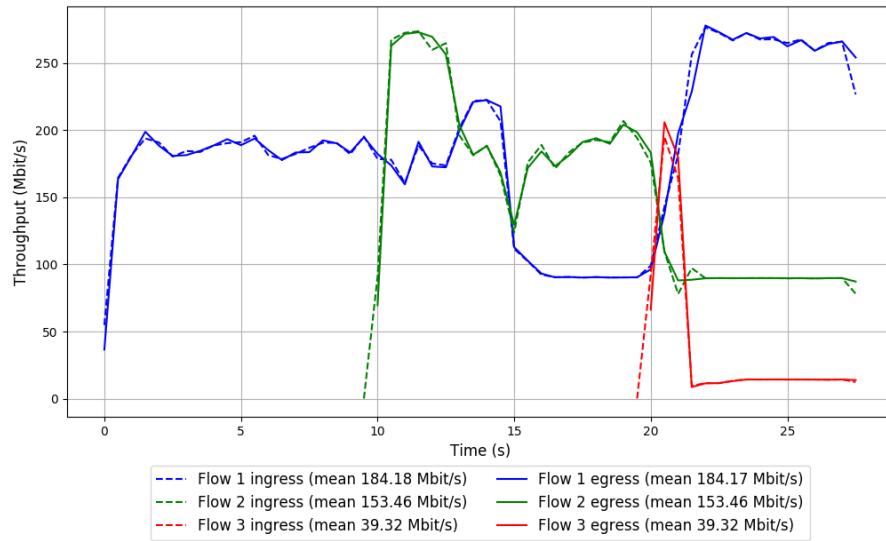
Run 1: Statistics of TaoVA-100x

Start at: 2017-12-01 04:25:56

End at: 2017-12-01 04:26:26

```
# Below is generated by plot.py at 2017-12-01 08:17:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.91 Mbit/s
95th percentile per-packet one-way delay: 50.874 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.17 Mbit/s
95th percentile per-packet one-way delay: 50.813 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 153.46 Mbit/s
95th percentile per-packet one-way delay: 50.879 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.32 Mbit/s
95th percentile per-packet one-way delay: 64.254 ms
Loss rate: 0.00%
```

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



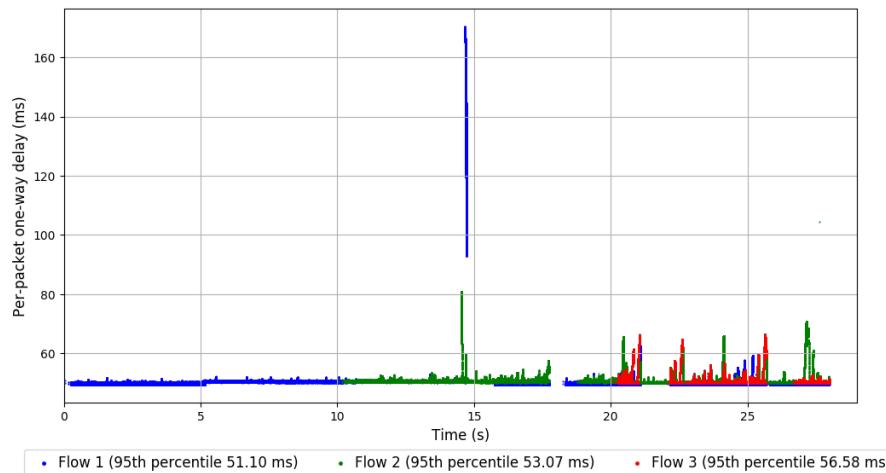
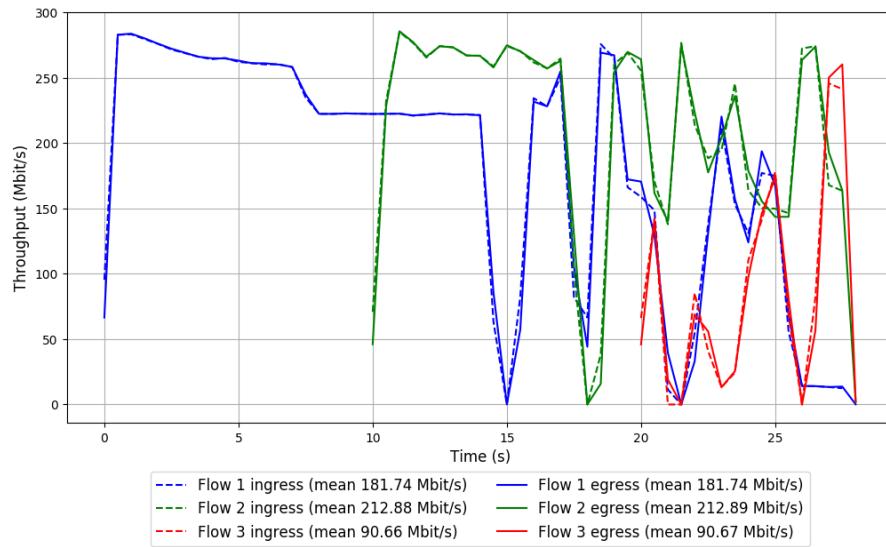
Run 2: Statistics of TaoVA-100x

Start at: 2017-12-01 04:37:48

End at: 2017-12-01 04:38:18

```
# Below is generated by plot.py at 2017-12-01 08:18:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 344.11 Mbit/s
95th percentile per-packet one-way delay: 52.141 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.74 Mbit/s
95th percentile per-packet one-way delay: 51.097 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 212.89 Mbit/s
95th percentile per-packet one-way delay: 53.071 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 90.67 Mbit/s
95th percentile per-packet one-way delay: 56.575 ms
Loss rate: 0.00%
```

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



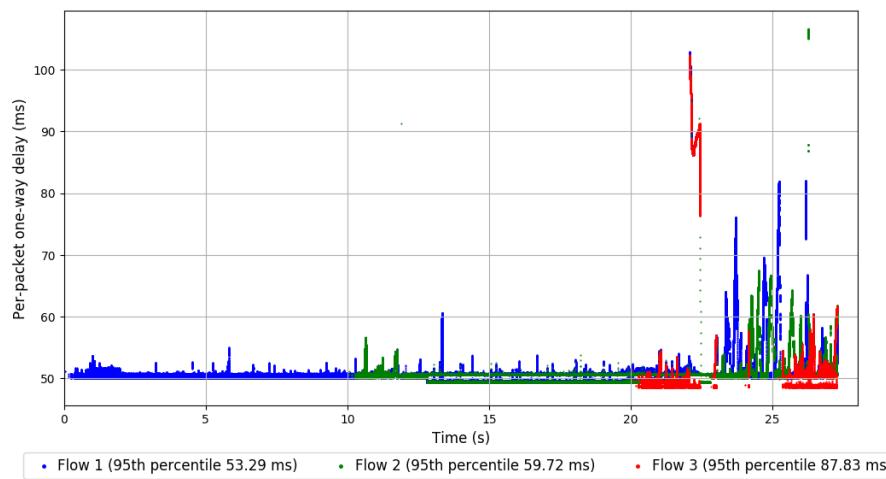
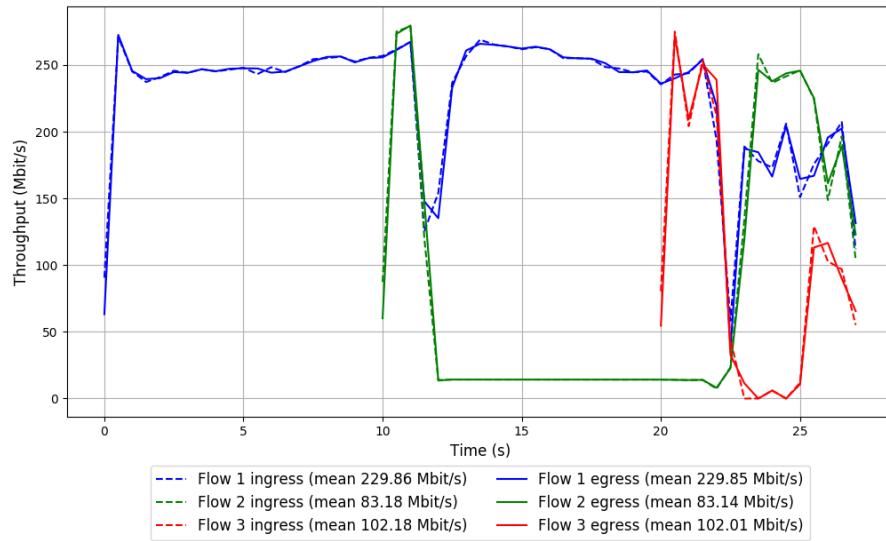
Run 3: Statistics of TaoVA-100x

Start at: 2017-12-01 04:49:41

End at: 2017-12-01 04:50:11

```
# Below is generated by plot.py at 2017-12-01 08:18:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 309.43 Mbit/s
95th percentile per-packet one-way delay: 56.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.85 Mbit/s
95th percentile per-packet one-way delay: 53.292 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 59.719 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 102.01 Mbit/s
95th percentile per-packet one-way delay: 87.830 ms
Loss rate: 0.01%
```

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



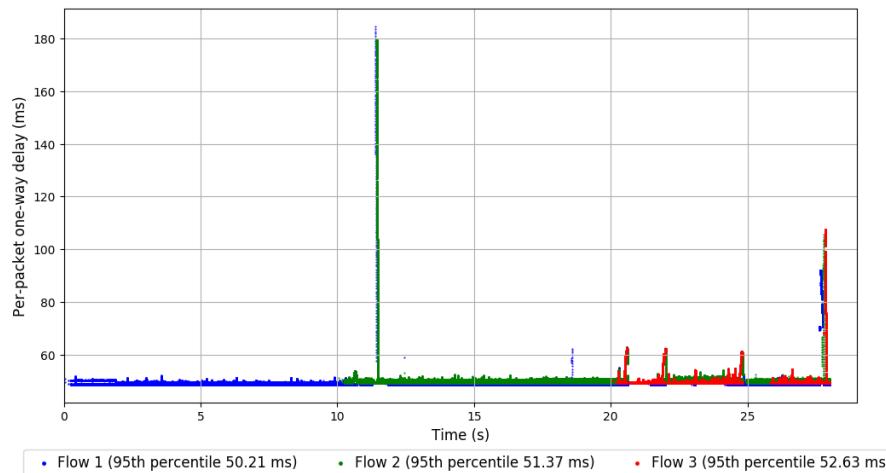
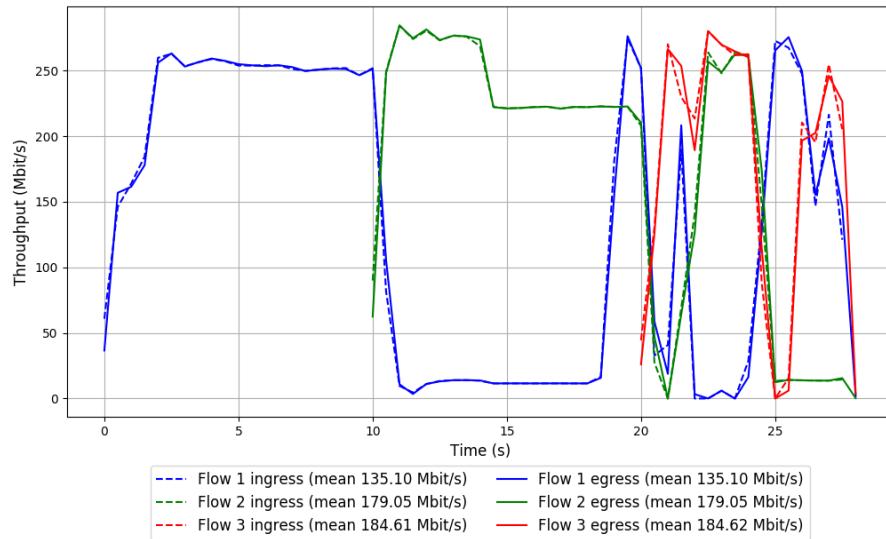
Run 4: Statistics of TaoVA-100x

Start at: 2017-12-01 05:01:21

End at: 2017-12-01 05:01:52

```
# Below is generated by plot.py at 2017-12-01 08:18:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 302.45 Mbit/s
95th percentile per-packet one-way delay: 51.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 135.10 Mbit/s
95th percentile per-packet one-way delay: 50.206 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 179.05 Mbit/s
95th percentile per-packet one-way delay: 51.365 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 184.62 Mbit/s
95th percentile per-packet one-way delay: 52.632 ms
Loss rate: 0.00%
```

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



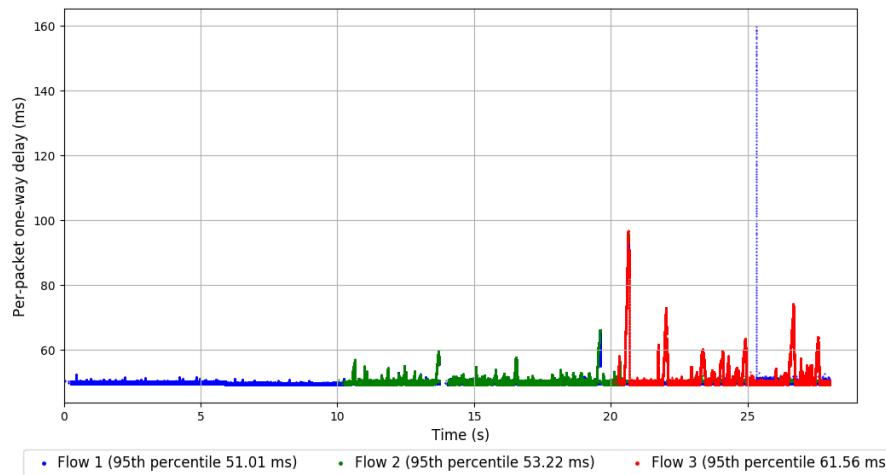
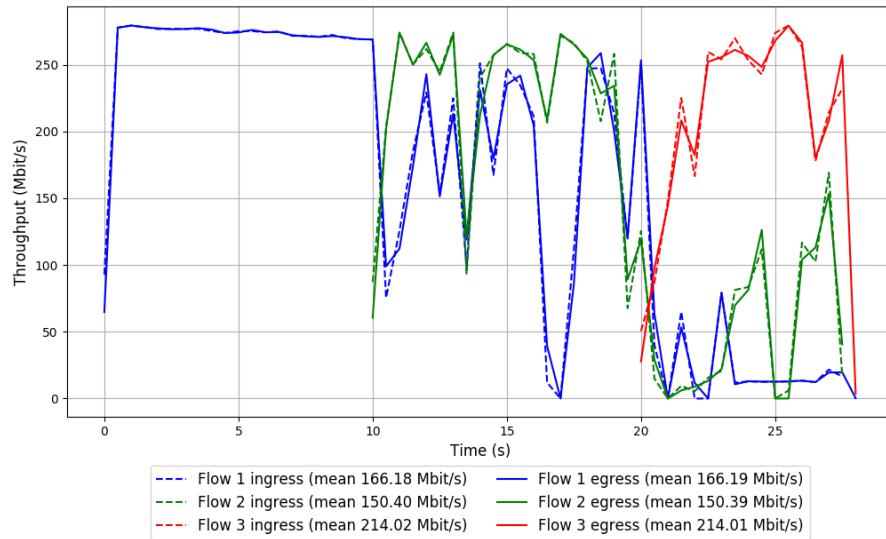
Run 5: Statistics of TaoVA-100x

Start at: 2017-12-01 05:13:08

End at: 2017-12-01 05:13:38

```
# Below is generated by plot.py at 2017-12-01 08:18:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 323.07 Mbit/s
95th percentile per-packet one-way delay: 54.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.19 Mbit/s
95th percentile per-packet one-way delay: 51.012 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 150.39 Mbit/s
95th percentile per-packet one-way delay: 53.223 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 214.01 Mbit/s
95th percentile per-packet one-way delay: 61.560 ms
Loss rate: 0.00%
```

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



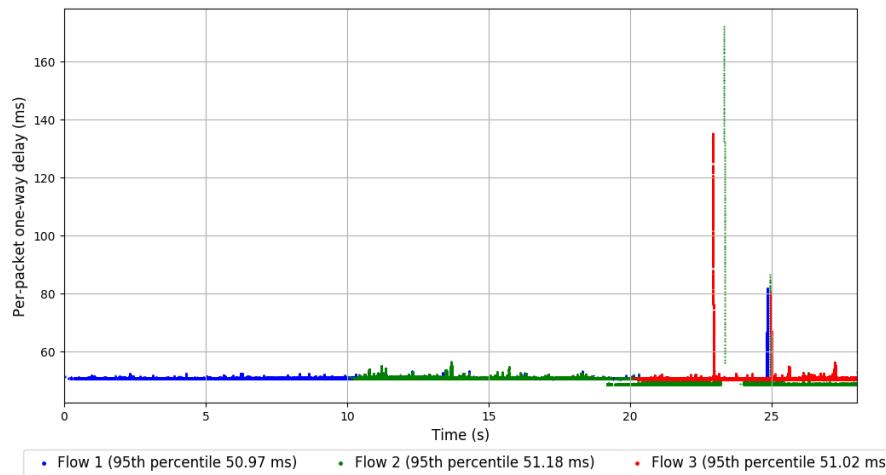
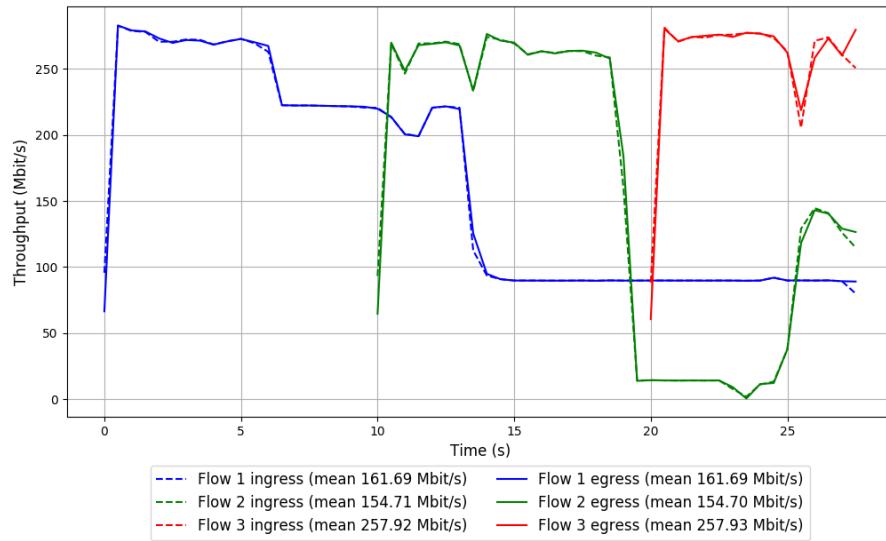
Run 6: Statistics of TaoVA-100x

Start at: 2017-12-01 05:25:09

End at: 2017-12-01 05:25:39

```
# Below is generated by plot.py at 2017-12-01 08:18:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 334.23 Mbit/s
95th percentile per-packet one-way delay: 51.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 161.69 Mbit/s
95th percentile per-packet one-way delay: 50.967 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 154.70 Mbit/s
95th percentile per-packet one-way delay: 51.183 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 257.93 Mbit/s
95th percentile per-packet one-way delay: 51.016 ms
Loss rate: 0.00%
```

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



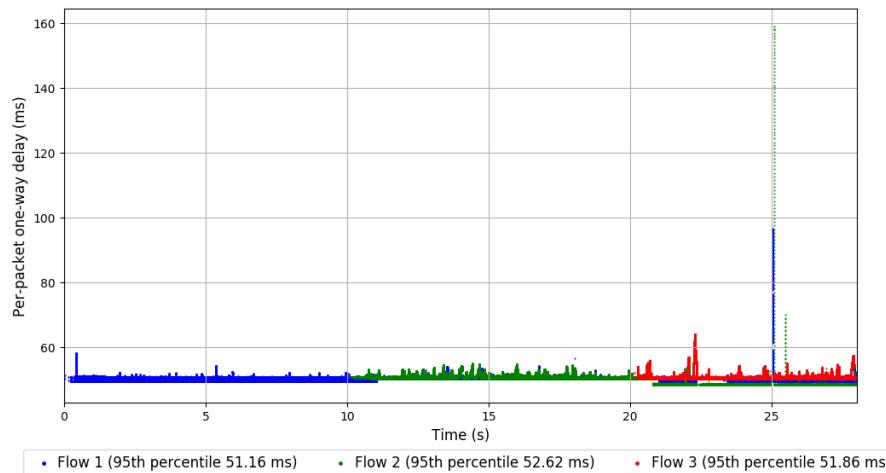
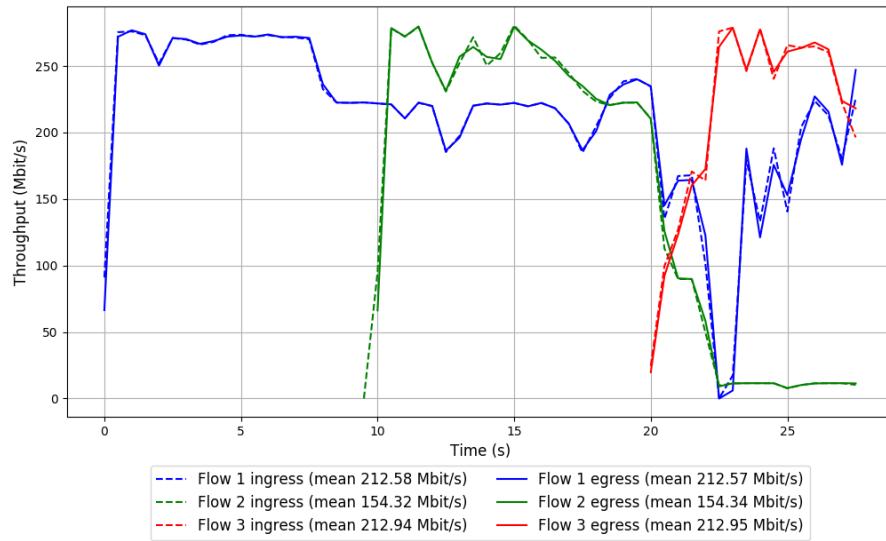
Run 7: Statistics of TaoVA-100x

Start at: 2017-12-01 05:37:08

End at: 2017-12-01 05:37:38

```
# Below is generated by plot.py at 2017-12-01 08:23:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 372.12 Mbit/s
95th percentile per-packet one-way delay: 51.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.57 Mbit/s
95th percentile per-packet one-way delay: 51.162 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 154.34 Mbit/s
95th percentile per-packet one-way delay: 52.616 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 212.95 Mbit/s
95th percentile per-packet one-way delay: 51.863 ms
Loss rate: 0.00%
```

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



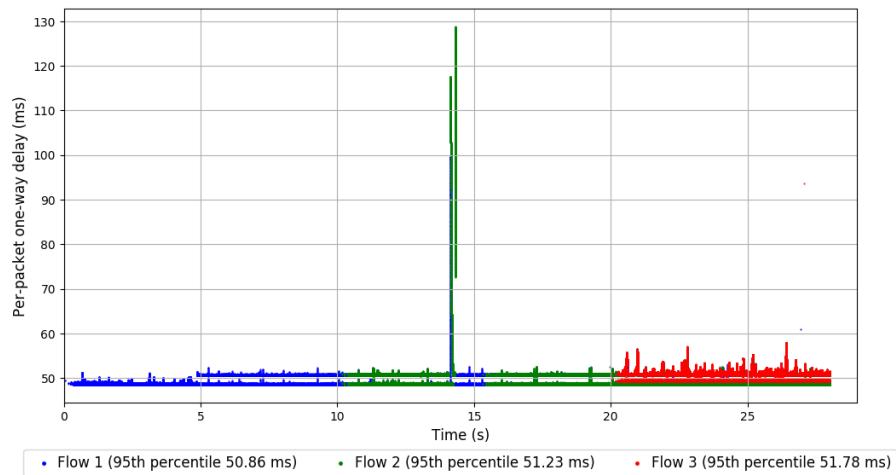
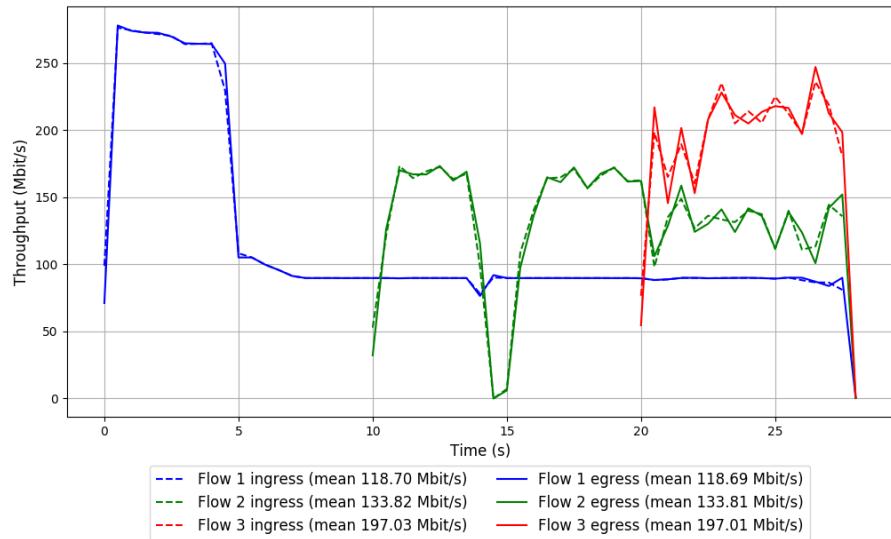
Run 8: Statistics of TaoVA-100x

Start at: 2017-12-01 05:49:19

End at: 2017-12-01 05:49:49

```
# Below is generated by plot.py at 2017-12-01 08:23:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 260.49 Mbit/s
95th percentile per-packet one-way delay: 51.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 118.69 Mbit/s
95th percentile per-packet one-way delay: 50.856 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 133.81 Mbit/s
95th percentile per-packet one-way delay: 51.232 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 197.01 Mbit/s
95th percentile per-packet one-way delay: 51.778 ms
Loss rate: 0.00%
```

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



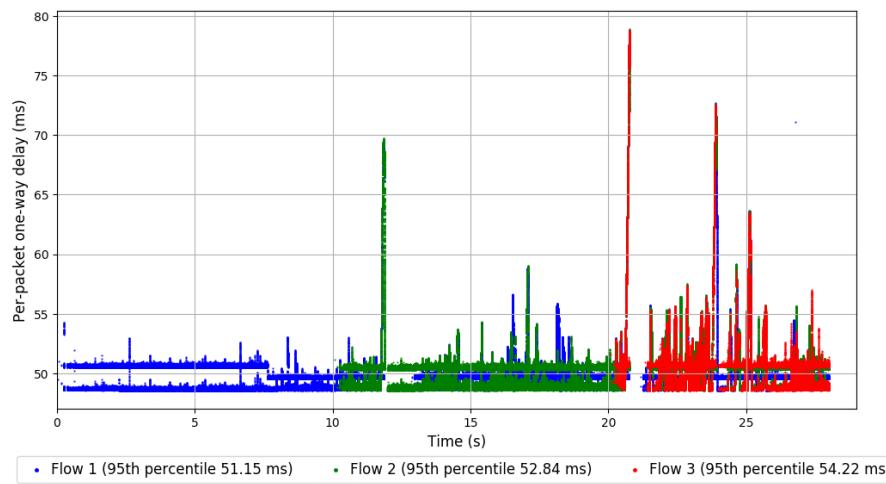
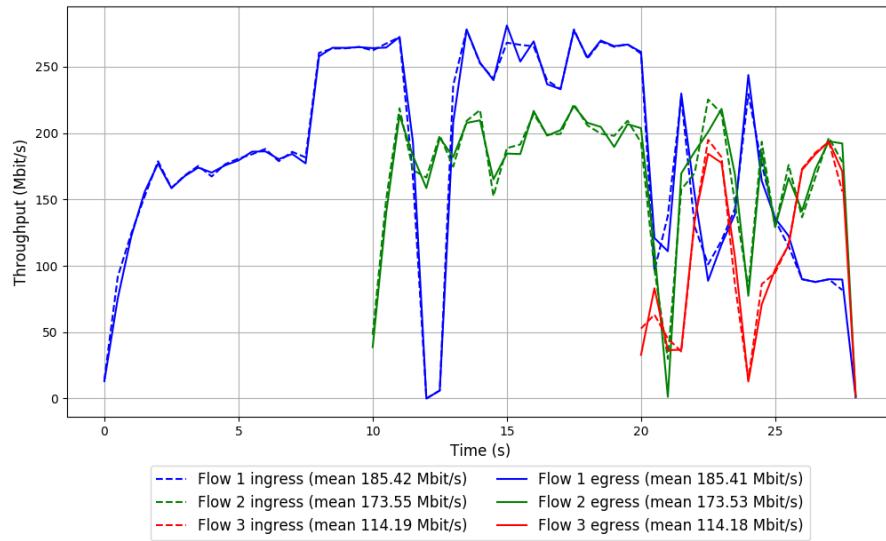
Run 9: Statistics of TaoVA-100x

Start at: 2017-12-01 06:01:21

End at: 2017-12-01 06:01:51

```
# Below is generated by plot.py at 2017-12-01 08:27:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 329.23 Mbit/s
95th percentile per-packet one-way delay: 52.192 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.41 Mbit/s
95th percentile per-packet one-way delay: 51.147 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.53 Mbit/s
95th percentile per-packet one-way delay: 52.843 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.18 Mbit/s
95th percentile per-packet one-way delay: 54.222 ms
Loss rate: 0.00%
```

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



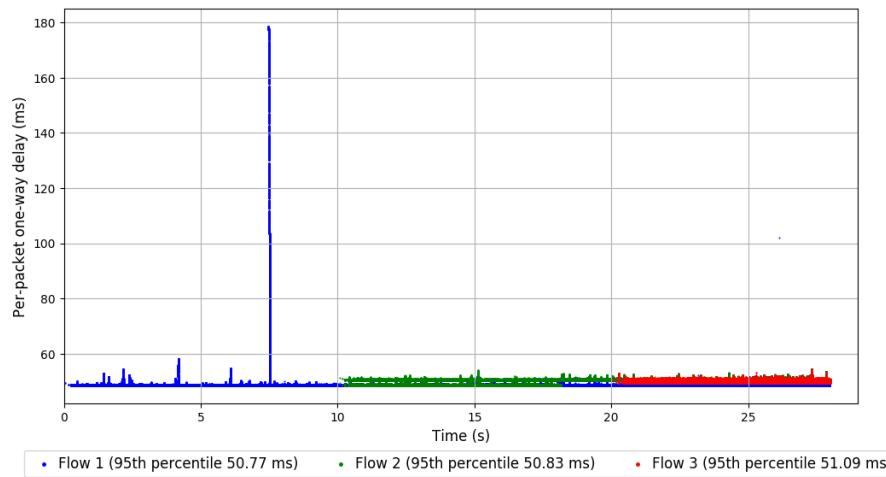
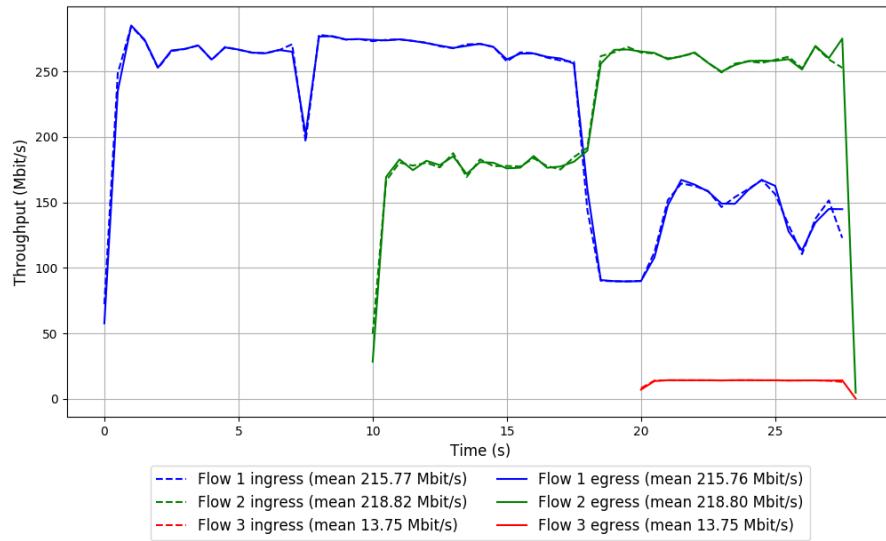
Run 10: Statistics of TaoVA-100x

Start at: 2017-12-01 06:13:25

End at: 2017-12-01 06:13:55

```
# Below is generated by plot.py at 2017-12-01 08:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 359.92 Mbit/s
95th percentile per-packet one-way delay: 50.799 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.76 Mbit/s
95th percentile per-packet one-way delay: 50.766 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 218.80 Mbit/s
95th percentile per-packet one-way delay: 50.830 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.75 Mbit/s
95th percentile per-packet one-way delay: 51.095 ms
Loss rate: 0.01%
```

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



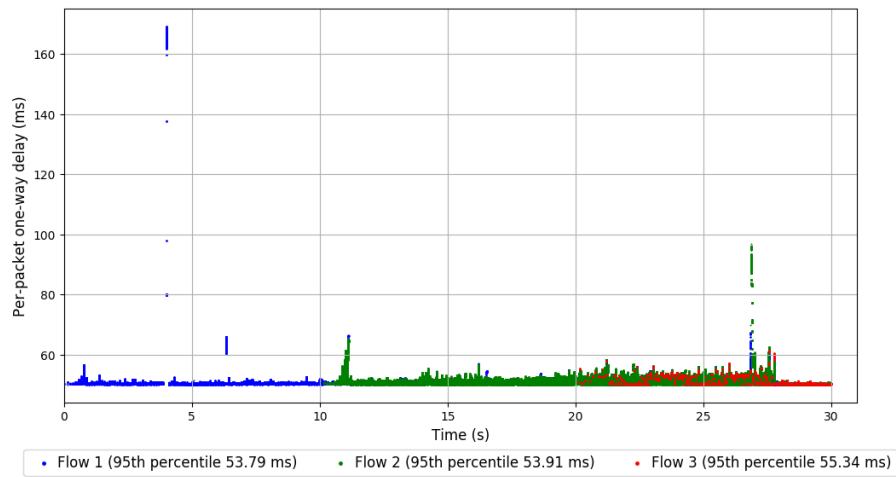
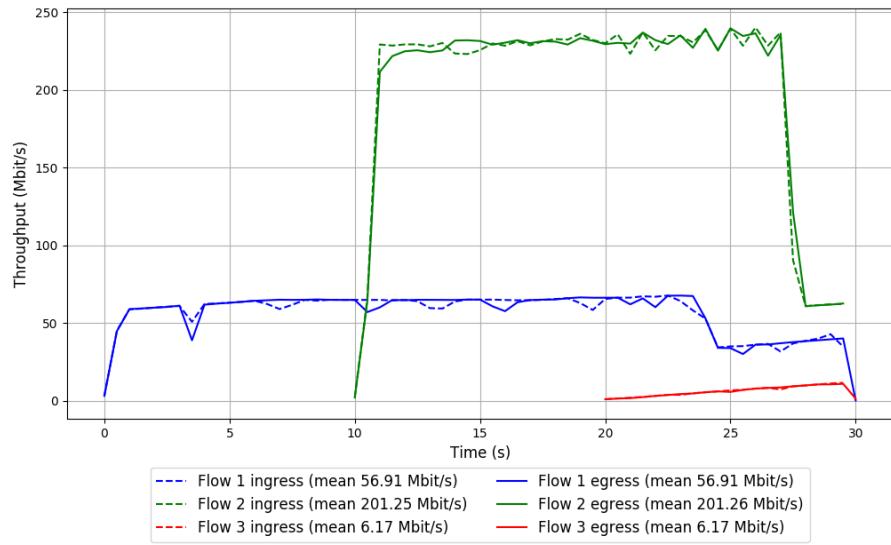
Run 1: Statistics of TCP Vegas

Start at: 2017-12-01 04:27:01

End at: 2017-12-01 04:27:31

```
# Below is generated by plot.py at 2017-12-01 08:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 192.86 Mbit/s
95th percentile per-packet one-way delay: 53.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 53.787 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 201.26 Mbit/s
95th percentile per-packet one-way delay: 53.906 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.17 Mbit/s
95th percentile per-packet one-way delay: 55.335 ms
Loss rate: 0.04%
```

Run 1: Report of TCP Vegas — Data Link



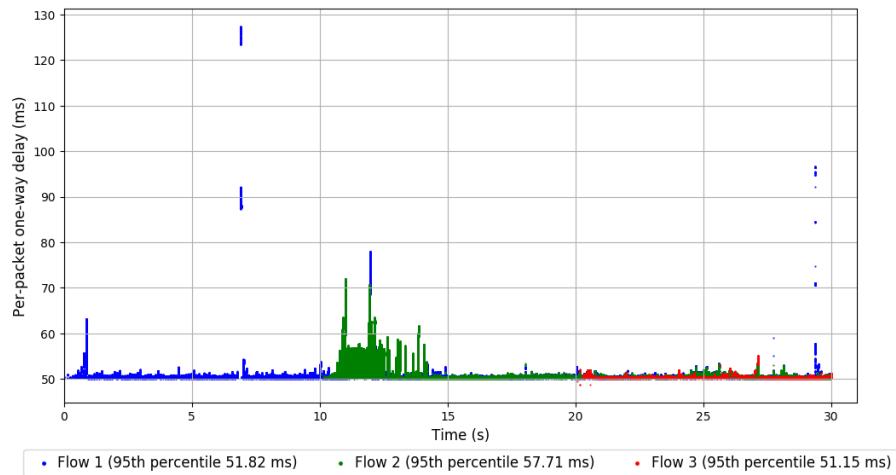
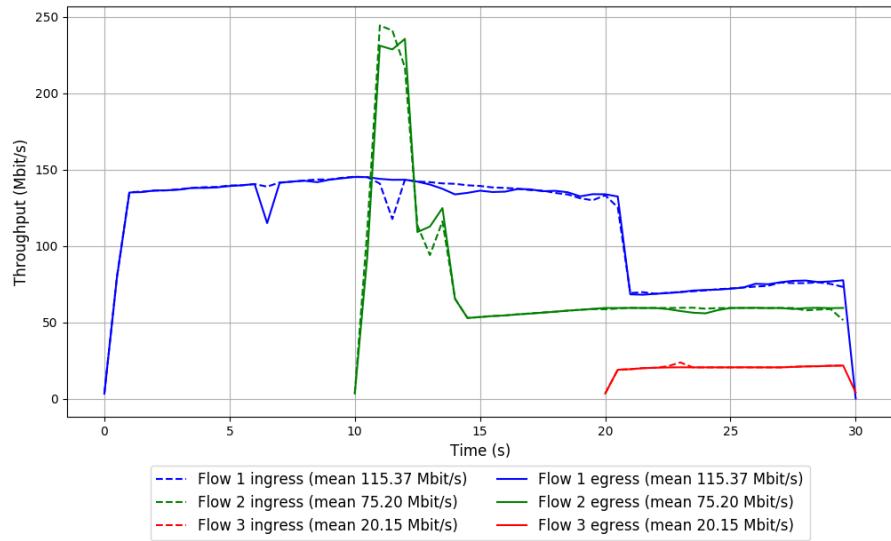
Run 2: Statistics of TCP Vegas

Start at: 2017-12-01 04:38:58

End at: 2017-12-01 04:39:28

```
# Below is generated by plot.py at 2017-12-01 08:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 172.08 Mbit/s
95th percentile per-packet one-way delay: 55.402 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 115.37 Mbit/s
95th percentile per-packet one-way delay: 51.820 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.20 Mbit/s
95th percentile per-packet one-way delay: 57.712 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.15 Mbit/s
95th percentile per-packet one-way delay: 51.150 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link



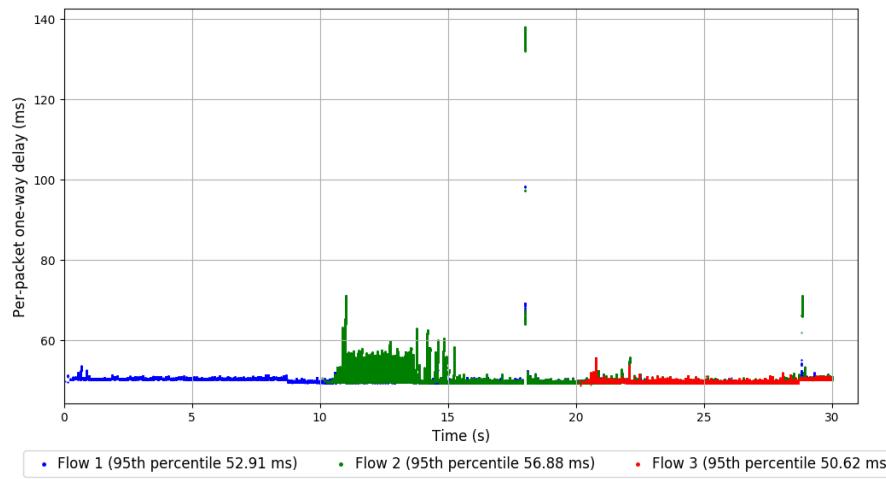
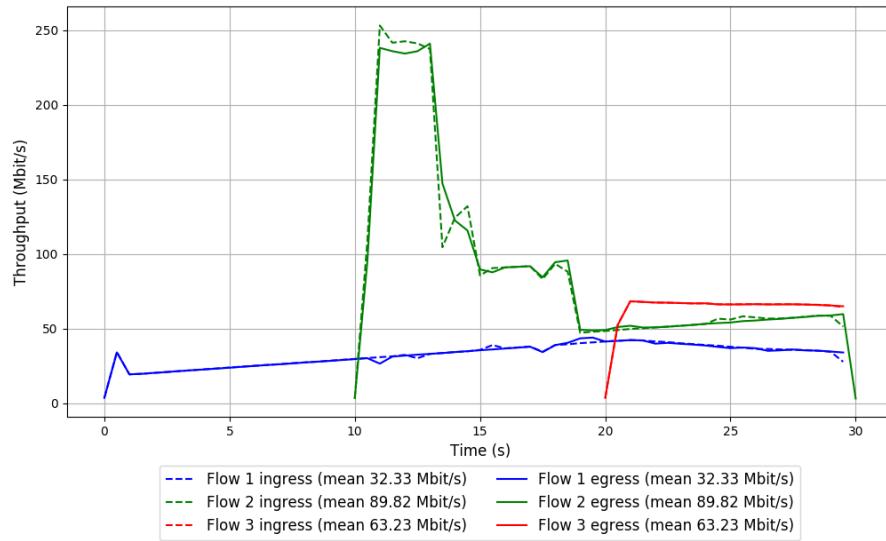
Run 3: Statistics of TCP Vegas

Start at: 2017-12-01 04:50:47

End at: 2017-12-01 04:51:17

```
# Below is generated by plot.py at 2017-12-01 08:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 113.03 Mbit/s
95th percentile per-packet one-way delay: 56.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.33 Mbit/s
95th percentile per-packet one-way delay: 52.908 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 56.882 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.23 Mbit/s
95th percentile per-packet one-way delay: 50.624 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link



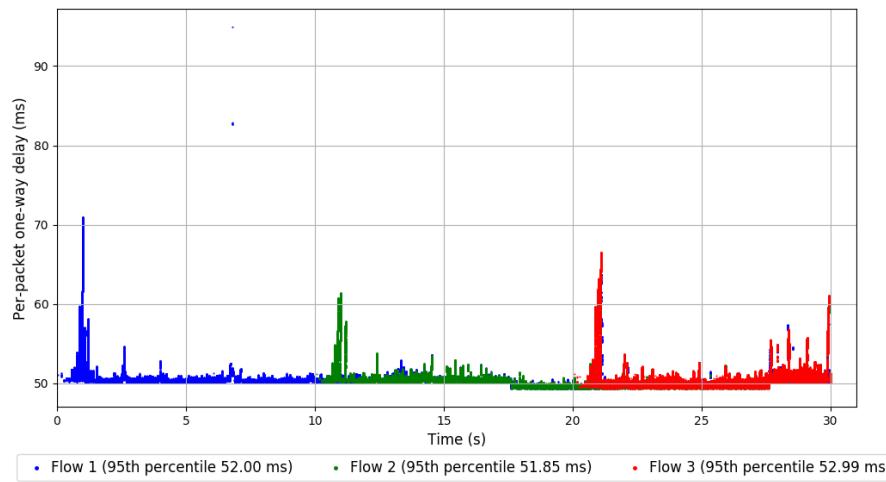
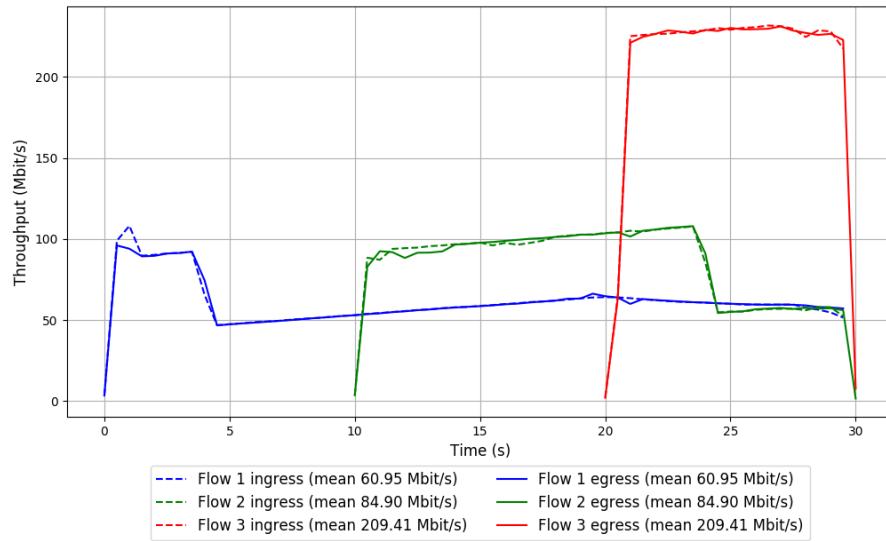
Run 4: Statistics of TCP Vegas

Start at: 2017-12-01 05:02:28

End at: 2017-12-01 05:02:58

```
# Below is generated by plot.py at 2017-12-01 08:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 186.95 Mbit/s
95th percentile per-packet one-way delay: 52.197 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 60.95 Mbit/s
95th percentile per-packet one-way delay: 51.998 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 51.853 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 209.41 Mbit/s
95th percentile per-packet one-way delay: 52.986 ms
Loss rate: 0.01%
```

Run 4: Report of TCP Vegas — Data Link



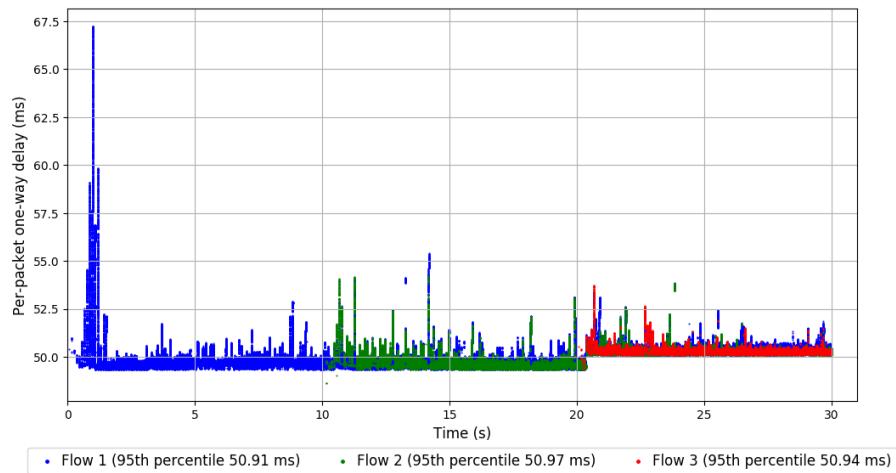
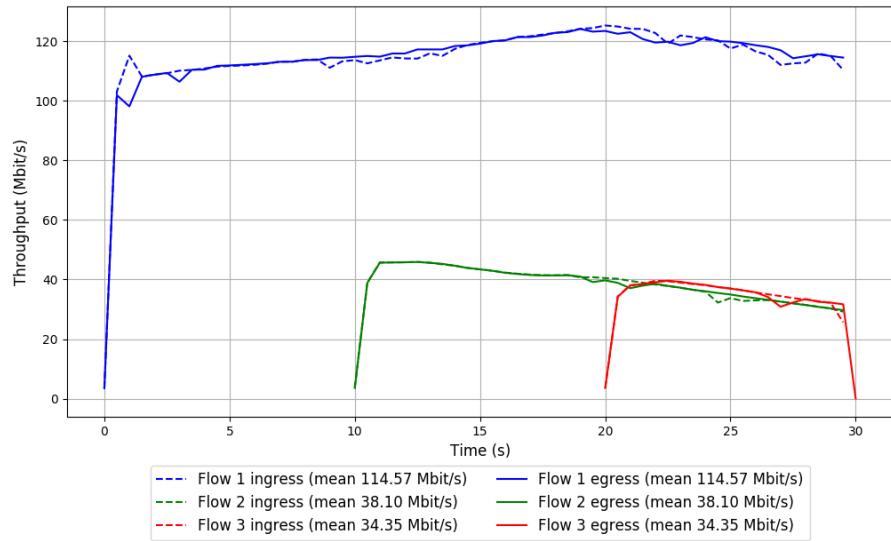
Run 5: Statistics of TCP Vegas

Start at: 2017-12-01 05:14:15

End at: 2017-12-01 05:14:45

```
# Below is generated by plot.py at 2017-12-01 08:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 151.27 Mbit/s
95th percentile per-packet one-way delay: 50.929 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 114.57 Mbit/s
95th percentile per-packet one-way delay: 50.914 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.10 Mbit/s
95th percentile per-packet one-way delay: 50.974 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.35 Mbit/s
95th percentile per-packet one-way delay: 50.943 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link



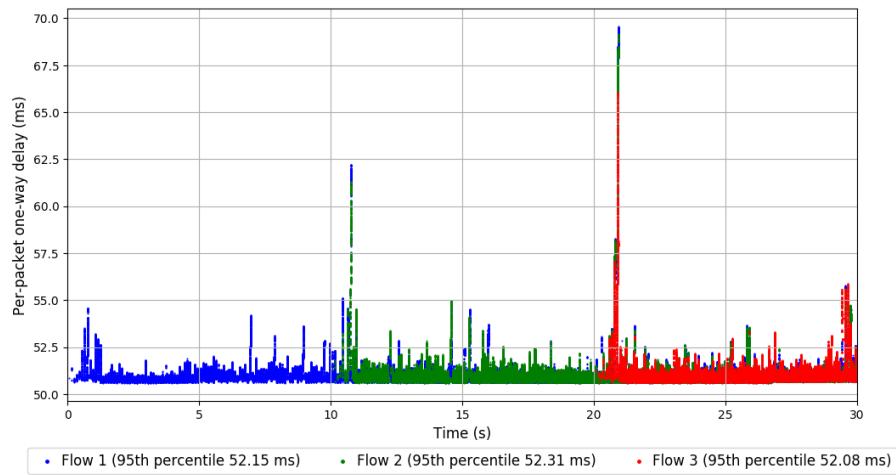
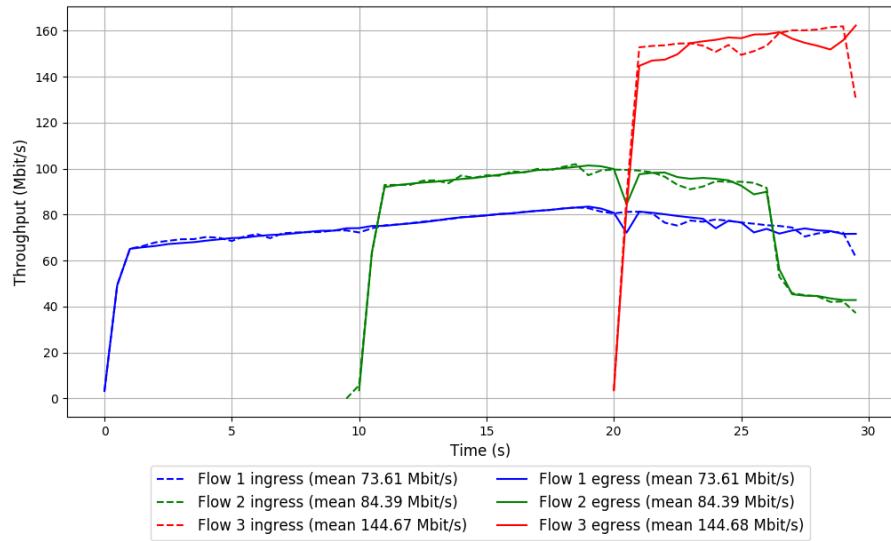
Run 6: Statistics of TCP Vegas

Start at: 2017-12-01 05:26:19

End at: 2017-12-01 05:26:49

```
# Below is generated by plot.py at 2017-12-01 08:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 177.68 Mbit/s
95th percentile per-packet one-way delay: 52.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.61 Mbit/s
95th percentile per-packet one-way delay: 52.154 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.39 Mbit/s
95th percentile per-packet one-way delay: 52.310 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 144.68 Mbit/s
95th percentile per-packet one-way delay: 52.080 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link



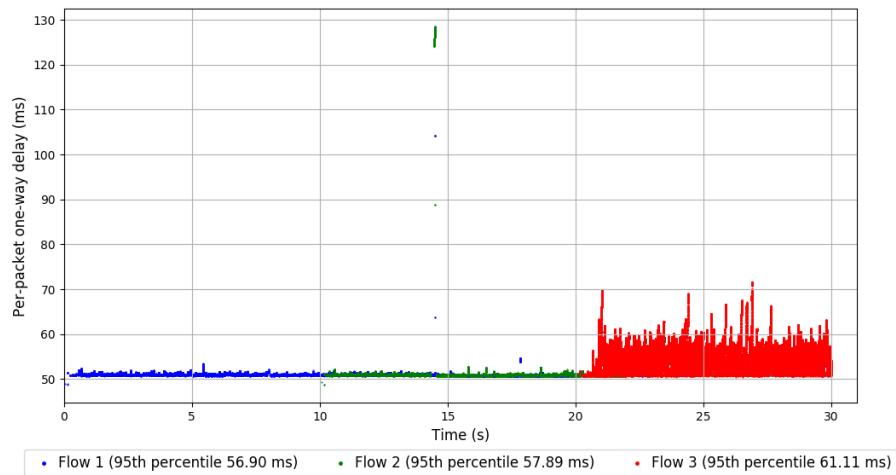
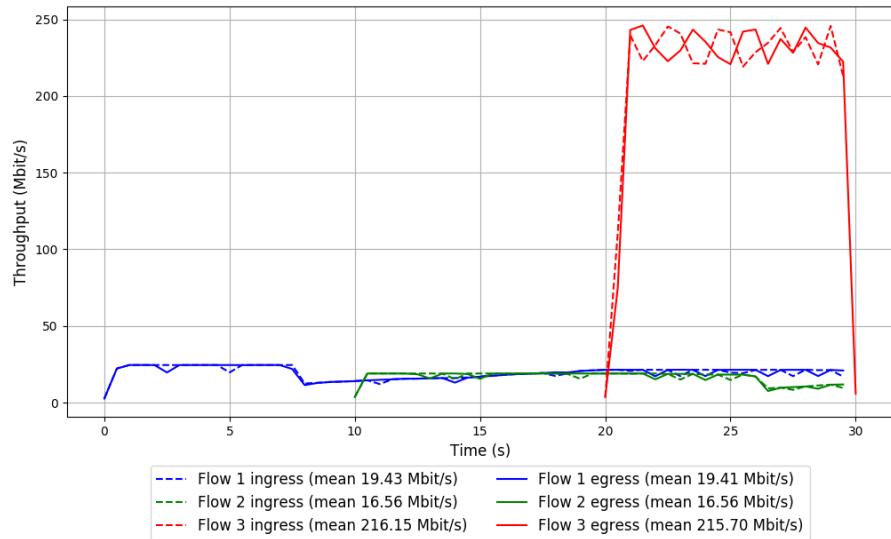
Run 7: Statistics of TCP Vegas

Start at: 2017-12-01 05:38:20

End at: 2017-12-01 05:38:50

```
# Below is generated by plot.py at 2017-12-01 08:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 101.96 Mbit/s
95th percentile per-packet one-way delay: 60.344 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 19.41 Mbit/s
95th percentile per-packet one-way delay: 56.899 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 16.56 Mbit/s
95th percentile per-packet one-way delay: 57.889 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 215.70 Mbit/s
95th percentile per-packet one-way delay: 61.108 ms
Loss rate: 0.23%
```

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



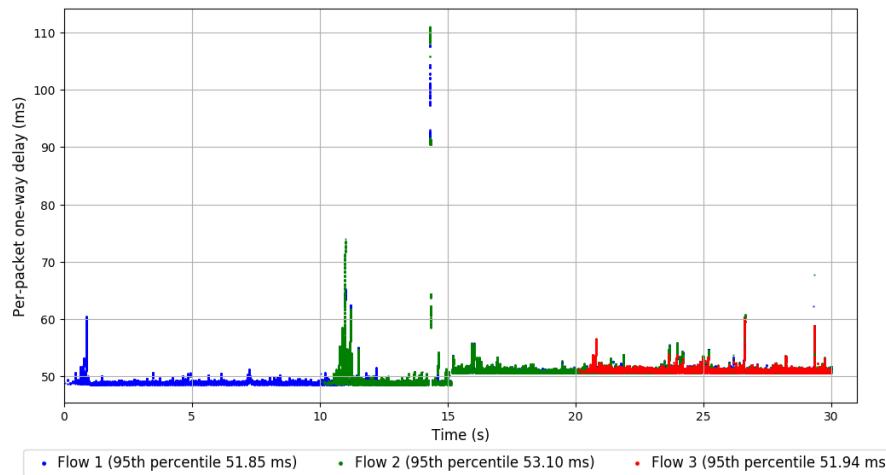
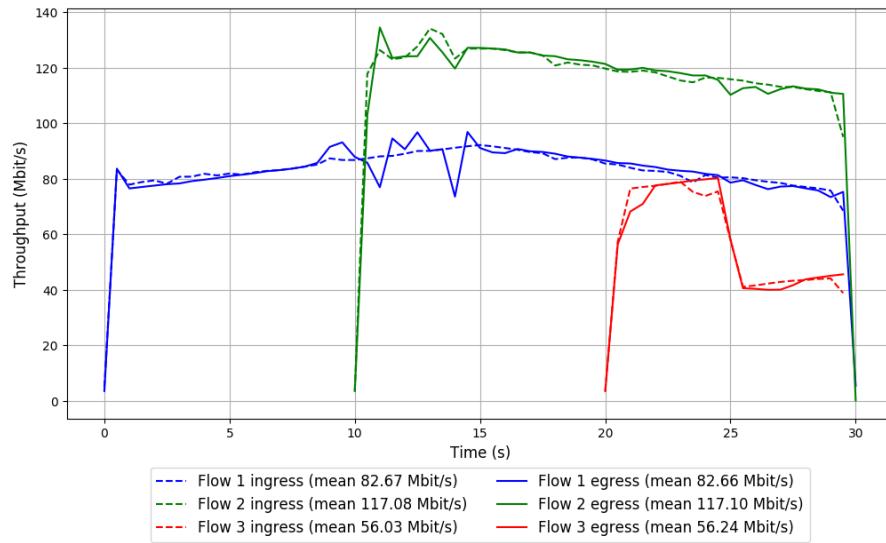
Run 8: Statistics of TCP Vegas

Start at: 2017-12-01 05:50:20

End at: 2017-12-01 05:50:50

```
# Below is generated by plot.py at 2017-12-01 08:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 179.21 Mbit/s
95th percentile per-packet one-way delay: 52.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.66 Mbit/s
95th percentile per-packet one-way delay: 51.846 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 117.10 Mbit/s
95th percentile per-packet one-way delay: 53.100 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: 51.940 ms
Loss rate: 0.01%
```

Run 8: Report of TCP Vegas — Data Link



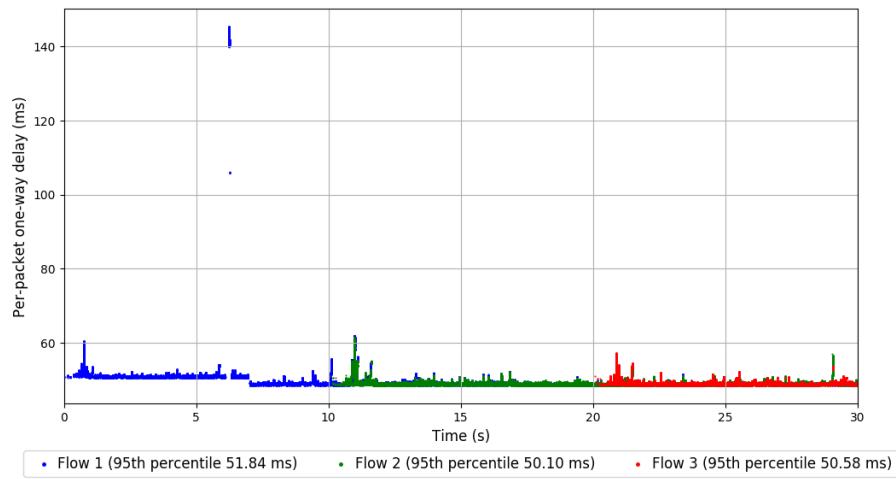
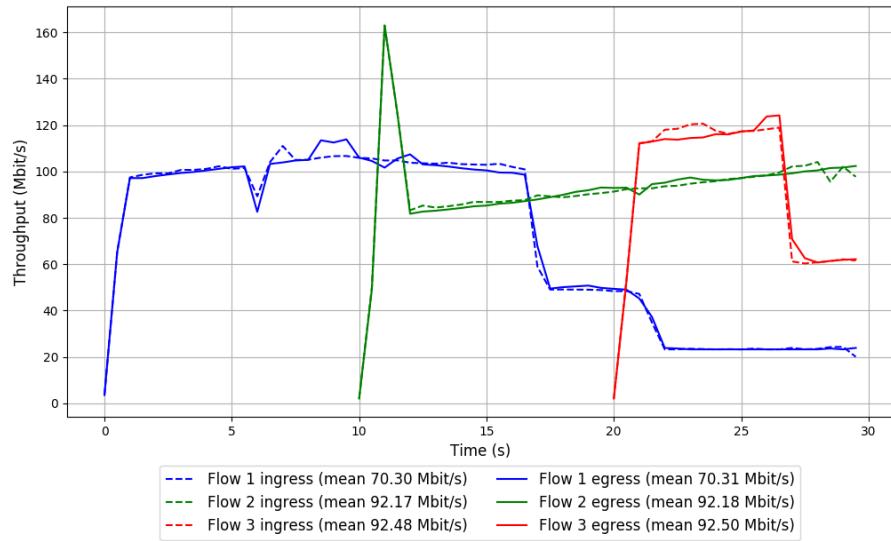
Run 9: Statistics of TCP Vegas

Start at: 2017-12-01 06:02:28

End at: 2017-12-01 06:02:58

```
# Below is generated by plot.py at 2017-12-01 08:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 162.22 Mbit/s
95th percentile per-packet one-way delay: 51.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.31 Mbit/s
95th percentile per-packet one-way delay: 51.839 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 50.099 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 50.575 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link



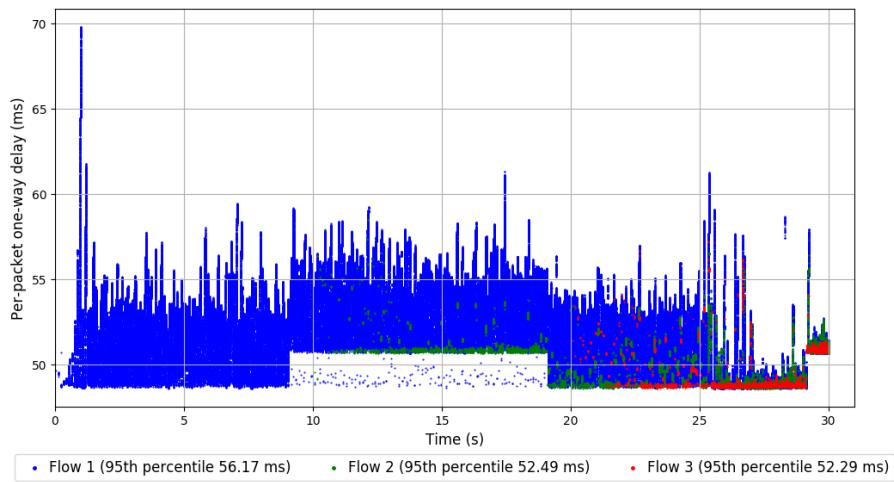
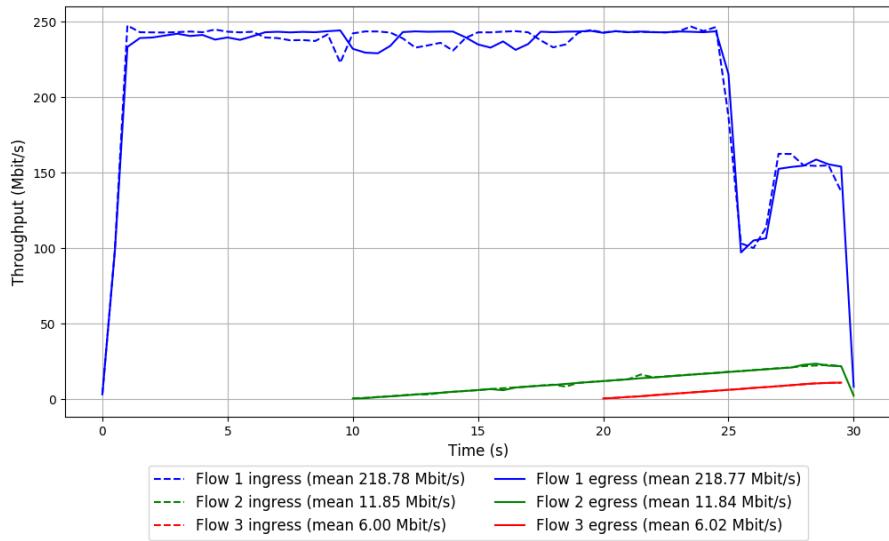
Run 10: Statistics of TCP Vegas

Start at: 2017-12-01 06:14:36

End at: 2017-12-01 06:15:06

```
# Below is generated by plot.py at 2017-12-01 08:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 228.64 Mbit/s
95th percentile per-packet one-way delay: 56.123 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 218.77 Mbit/s
95th percentile per-packet one-way delay: 56.166 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.84 Mbit/s
95th percentile per-packet one-way delay: 52.494 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 6.02 Mbit/s
95th percentile per-packet one-way delay: 52.294 ms
Loss rate: 0.16%
```

Run 10: Report of TCP Vegas — Data Link

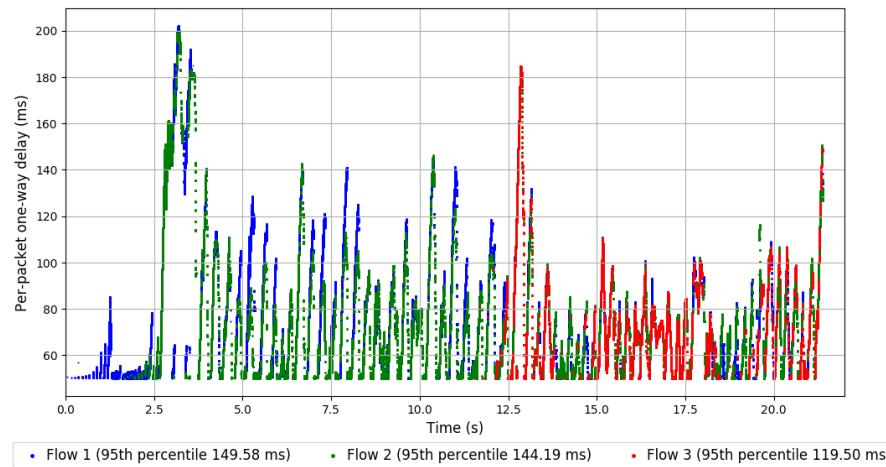
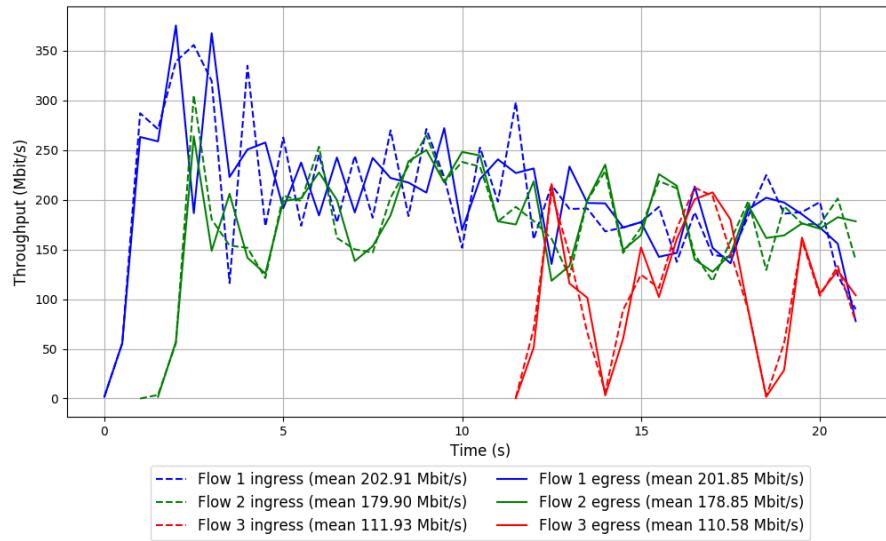


Run 1: Statistics of Verus

Start at: 2017-12-01 04:30:35

End at: 2017-12-01 04:31:05

Run 1: Report of Verus — Data Link

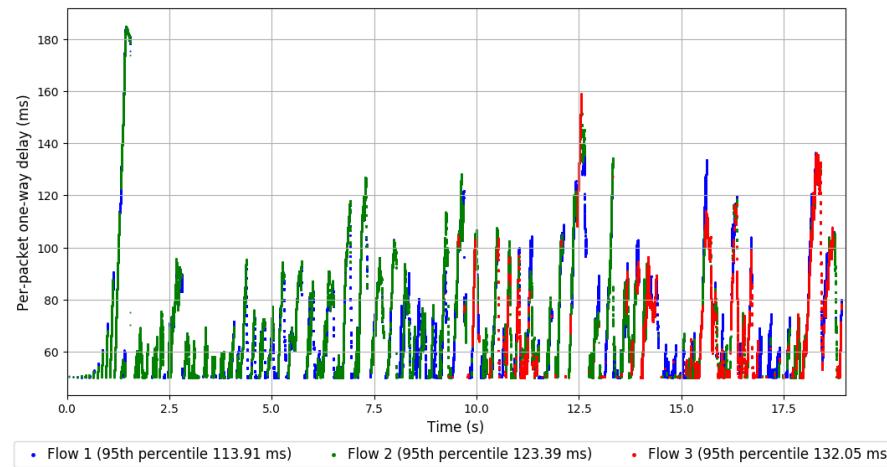
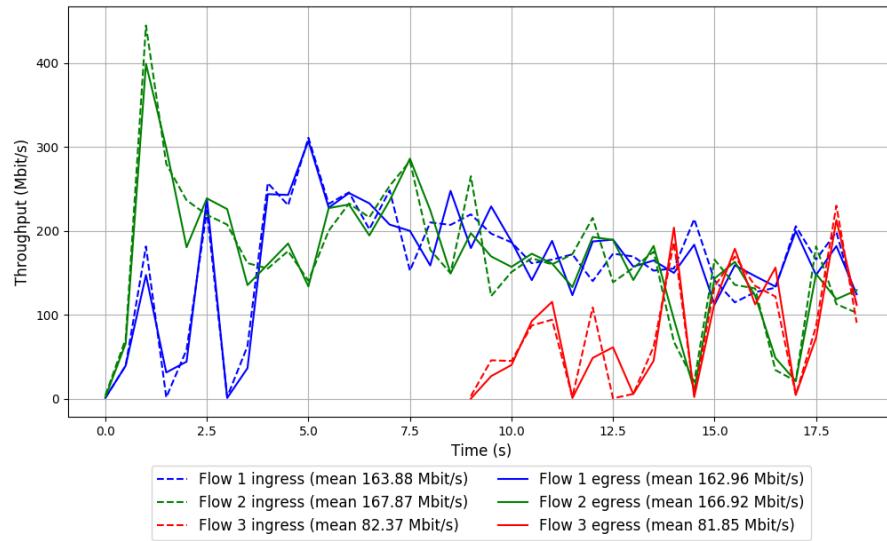


Run 2: Statistics of Verus

Start at: 2017-12-01 04:42:31

End at: 2017-12-01 04:43:01

## Run 2: Report of Verus — Data Link

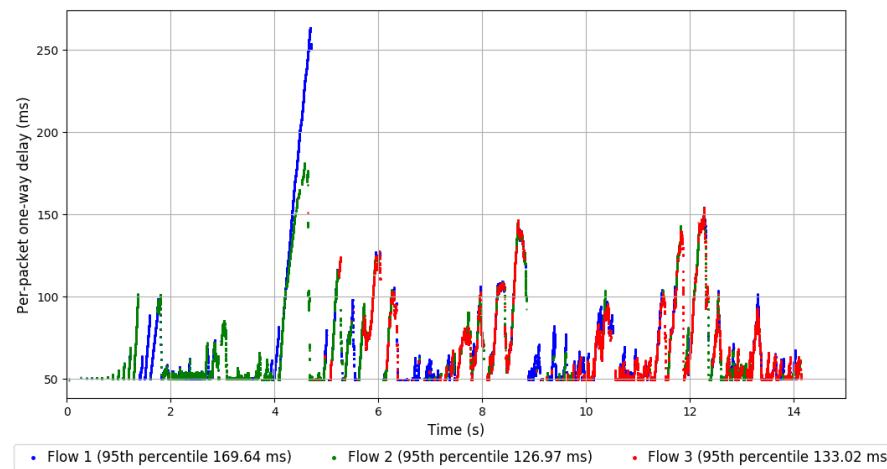
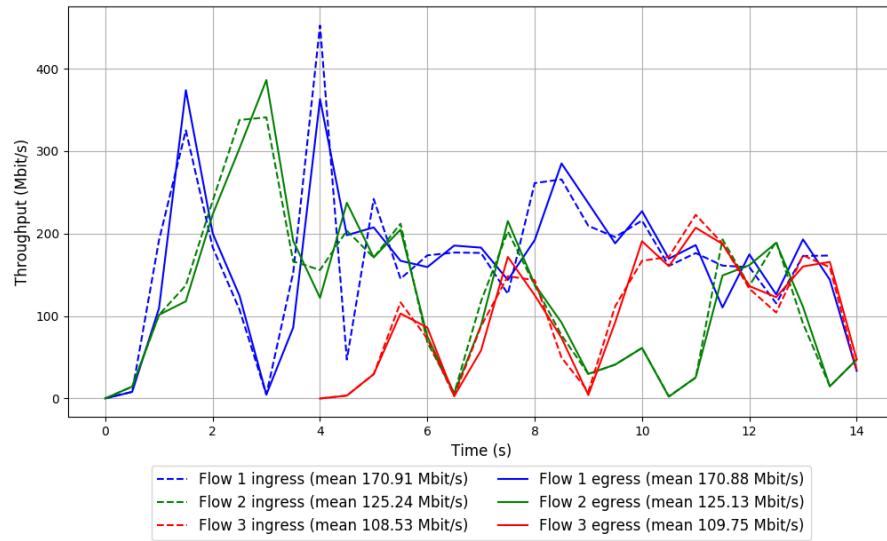


Run 3: Statistics of Verus

Start at: 2017-12-01 04:54:16

End at: 2017-12-01 04:54:46

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

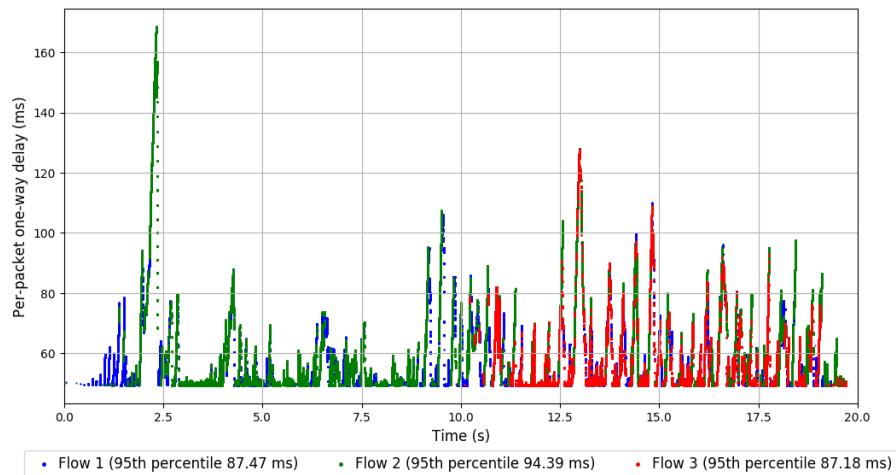
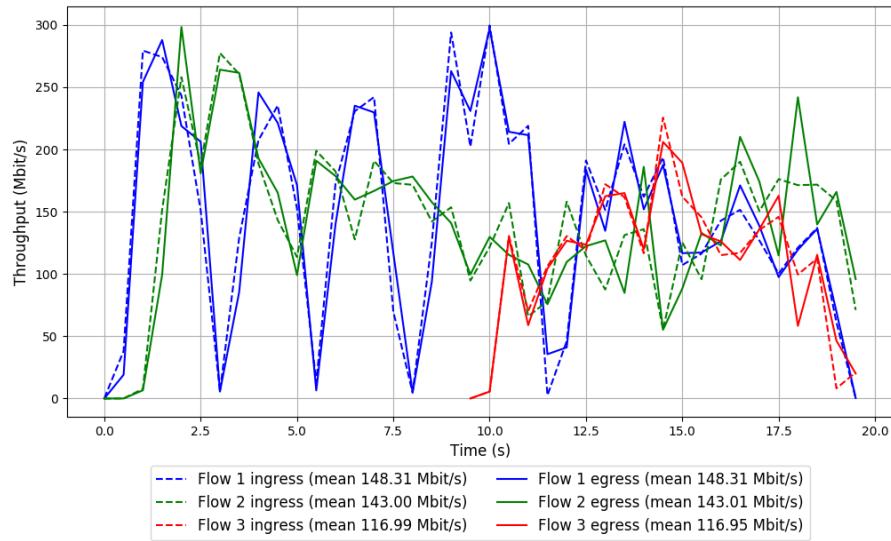


Run 4: Statistics of Verus

Start at: 2017-12-01 05:06:02

End at: 2017-12-01 05:06:32

## Run 4: Report of Verus — Data Link

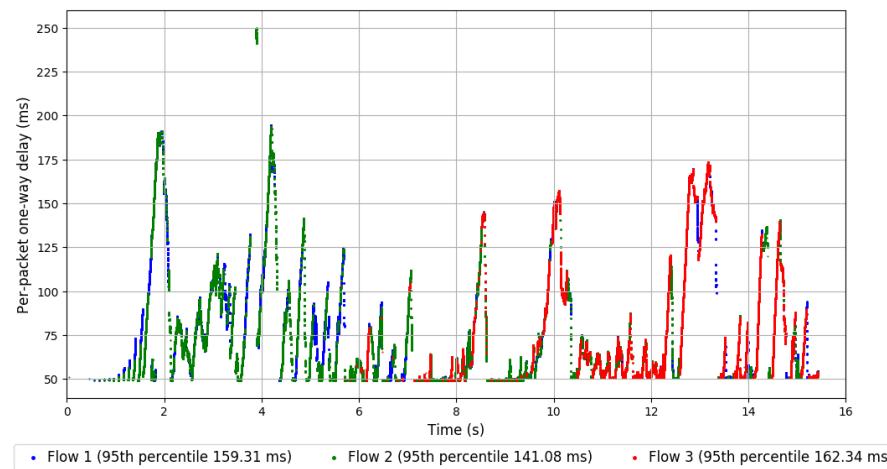
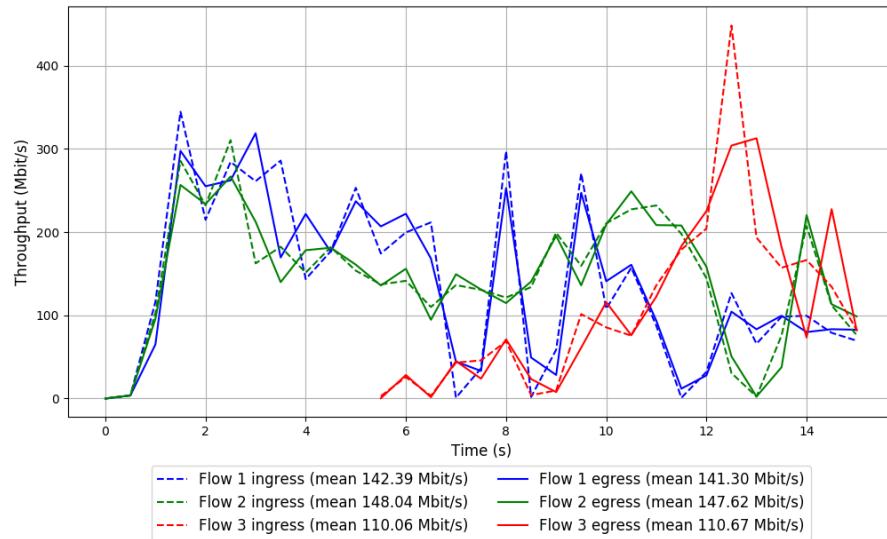


Run 5: Statistics of Verus

Start at: 2017-12-01 05:17:46

End at: 2017-12-01 05:18:16

Run 5: Report of Verus — Data Link

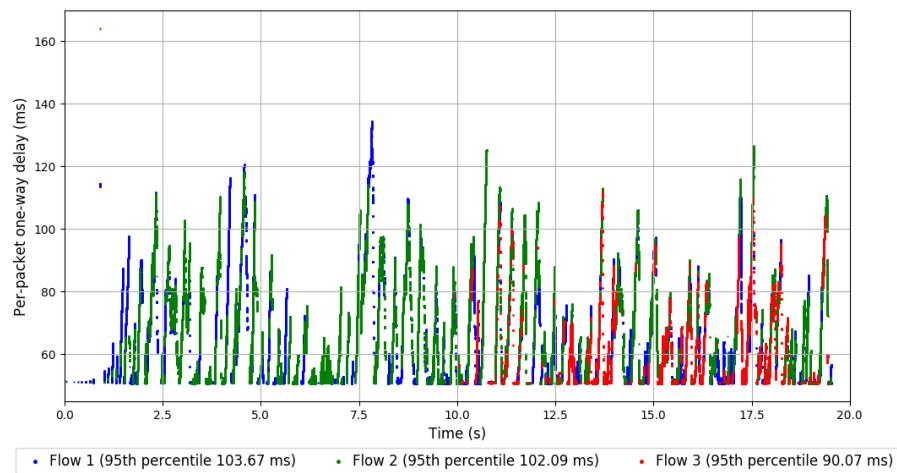
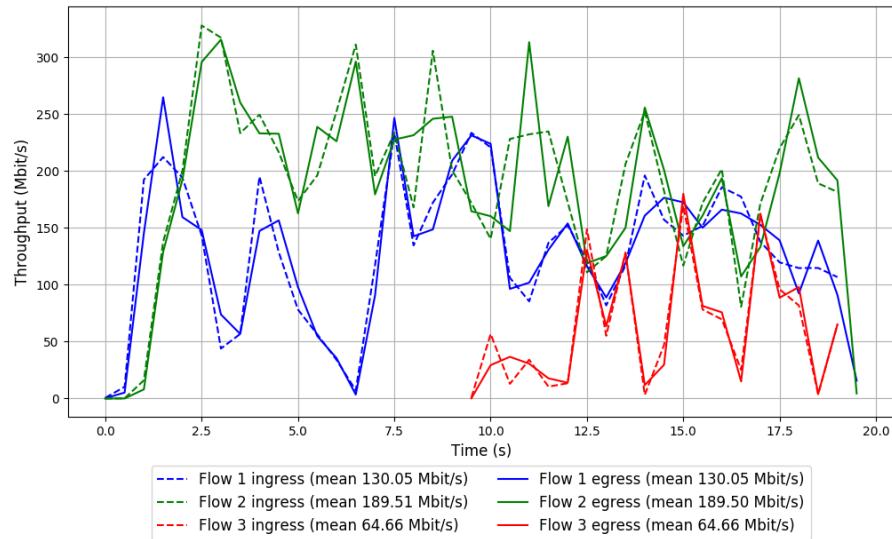


Run 6: Statistics of Verus

Start at: 2017-12-01 05:29:53

End at: 2017-12-01 05:30:23

Run 6: Report of Verus — Data Link

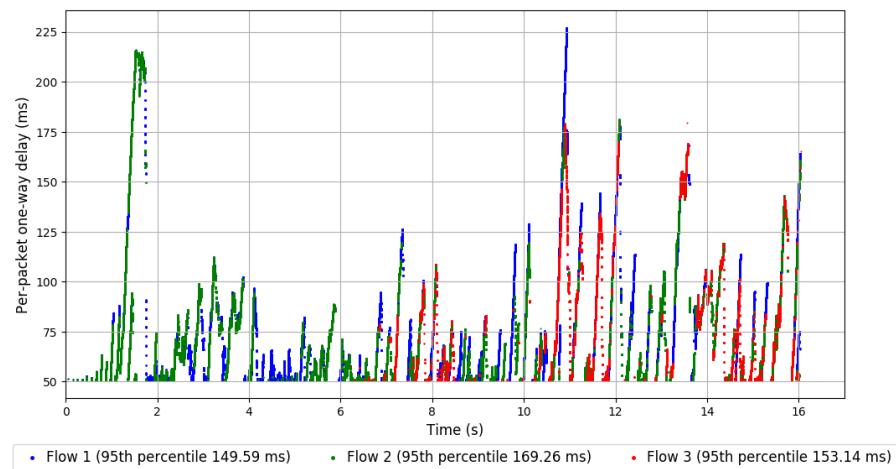
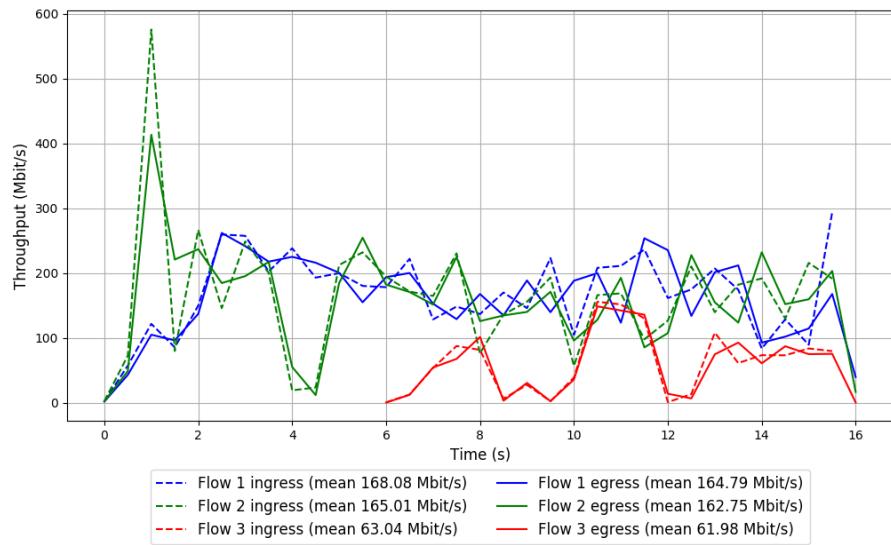


Run 7: Statistics of Verus

Start at: 2017-12-01 05:41:50

End at: 2017-12-01 05:42:20

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

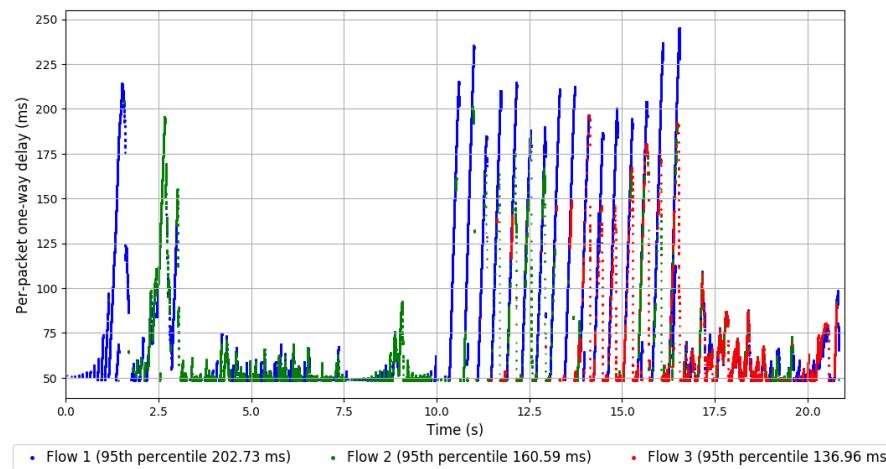
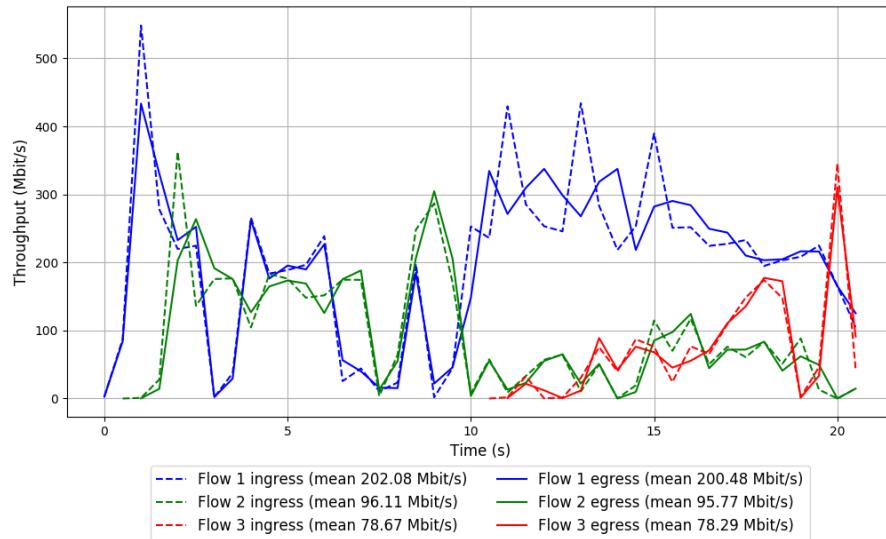


Run 8: Statistics of Verus

Start at: 2017-12-01 05:53:56

End at: 2017-12-01 05:54:26

Run 8: Report of Verus — Data Link

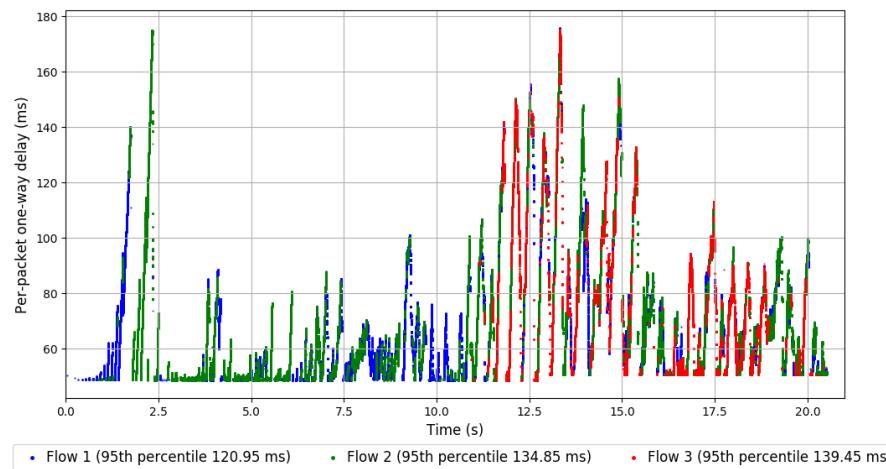
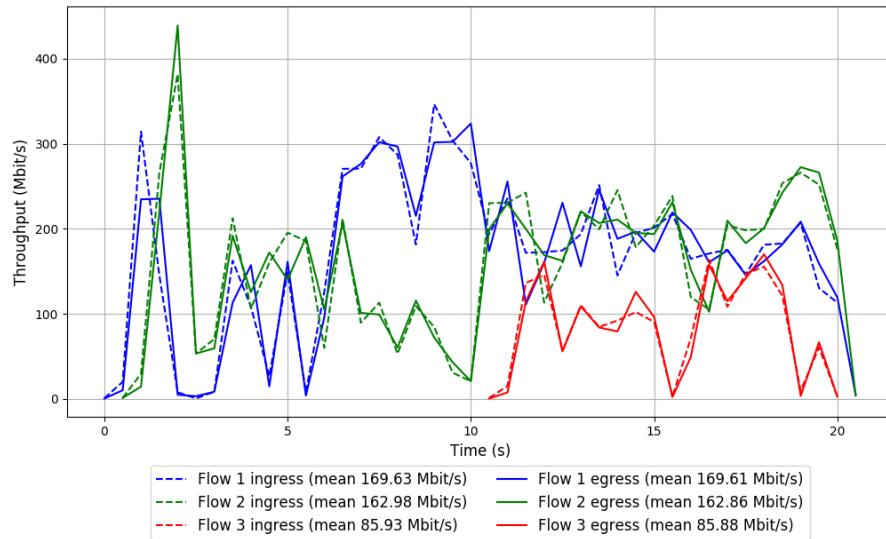


Run 9: Statistics of Verus

Start at: 2017-12-01 06:06:03

End at: 2017-12-01 06:06:33

Run 9: Report of Verus — Data Link



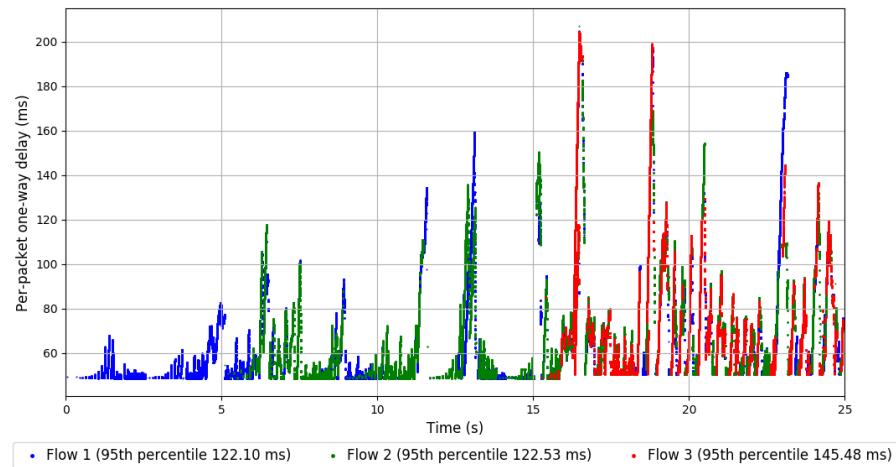
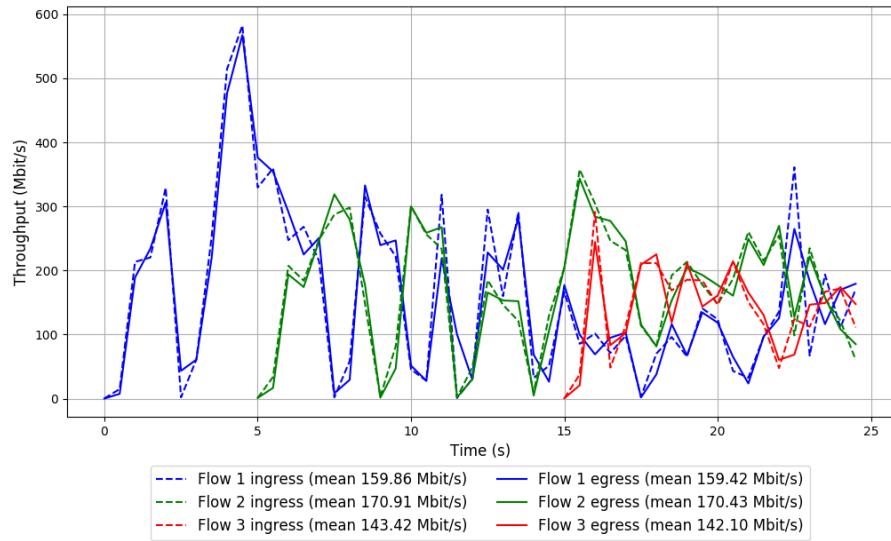
Run 10: Statistics of Verus

Start at: 2017-12-01 06:18:14

End at: 2017-12-01 06:18:44

```
# Below is generated by plot.py at 2017-12-01 08:33:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 351.07 Mbit/s
95th percentile per-packet one-way delay: 125.779 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 159.42 Mbit/s
95th percentile per-packet one-way delay: 122.097 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 170.43 Mbit/s
95th percentile per-packet one-way delay: 122.530 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 142.10 Mbit/s
95th percentile per-packet one-way delay: 145.477 ms
Loss rate: 1.28%
```

Run 10: Report of Verus — Data Link

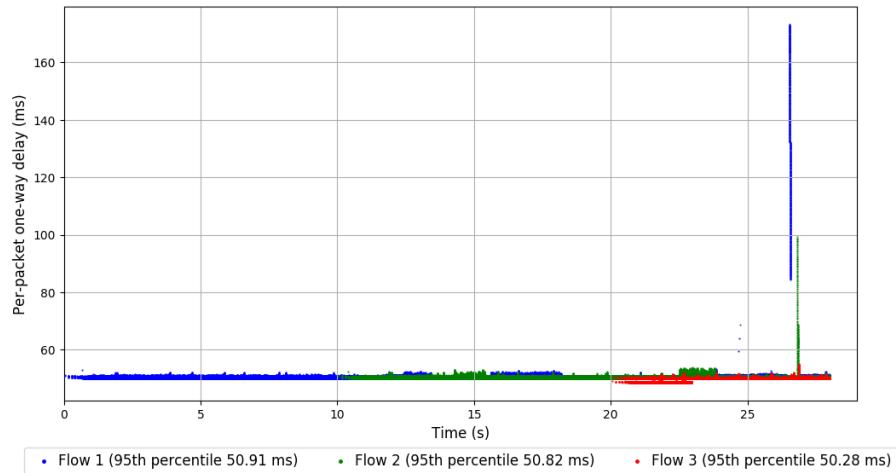
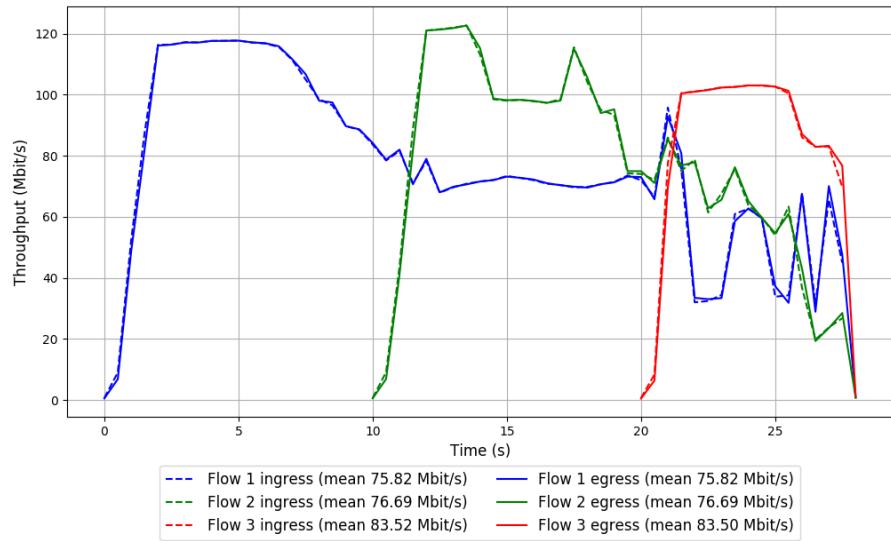


```
Run 1: Statistics of Copa

Start at: 2017-12-01 04:31:36
End at: 2017-12-01 04:32:06

# Below is generated by plot.py at 2017-12-01 08:33:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 148.78 Mbit/s
95th percentile per-packet one-way delay: 50.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.82 Mbit/s
95th percentile per-packet one-way delay: 50.911 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 76.69 Mbit/s
95th percentile per-packet one-way delay: 50.816 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 83.50 Mbit/s
95th percentile per-packet one-way delay: 50.284 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link



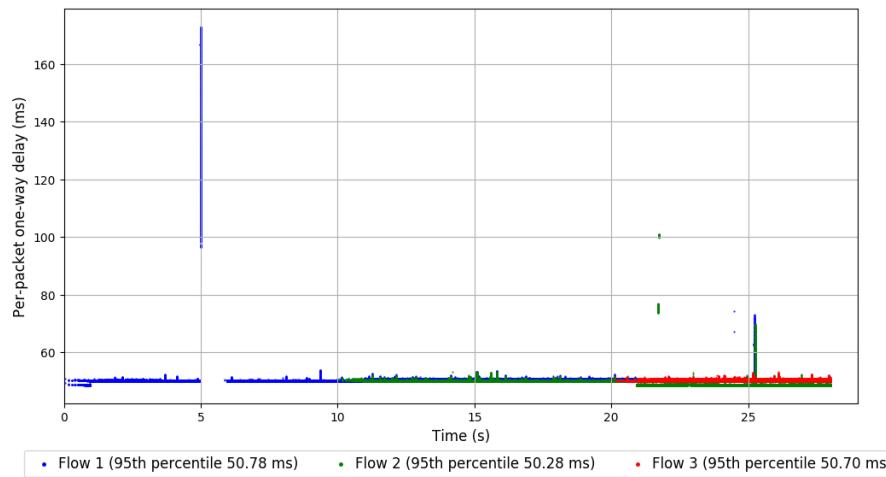
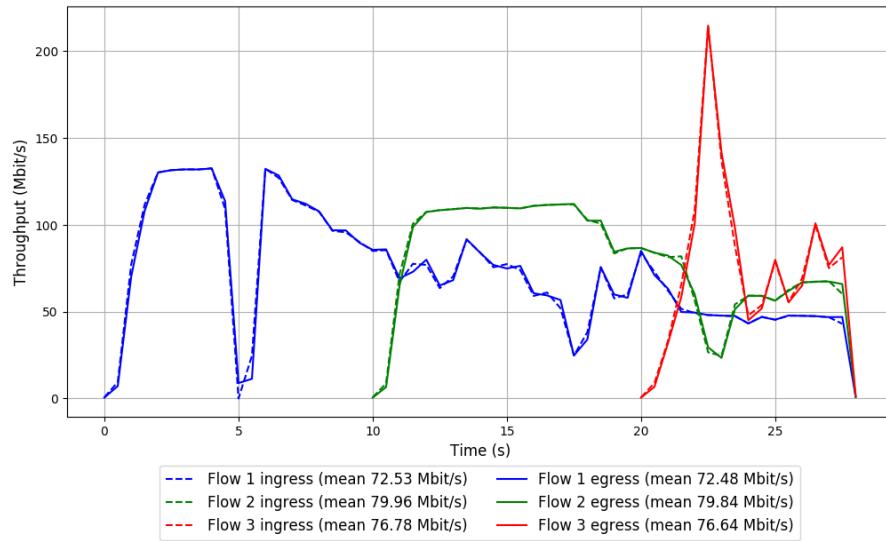
Run 2: Statistics of Copa

Start at: 2017-12-01 04:43:28

End at: 2017-12-01 04:43:58

```
# Below is generated by plot.py at 2017-12-01 08:33:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 145.47 Mbit/s
95th percentile per-packet one-way delay: 50.740 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 72.48 Mbit/s
95th percentile per-packet one-way delay: 50.785 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 79.84 Mbit/s
95th percentile per-packet one-way delay: 50.276 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 76.64 Mbit/s
95th percentile per-packet one-way delay: 50.700 ms
Loss rate: 0.19%
```

Run 2: Report of Copa — Data Link



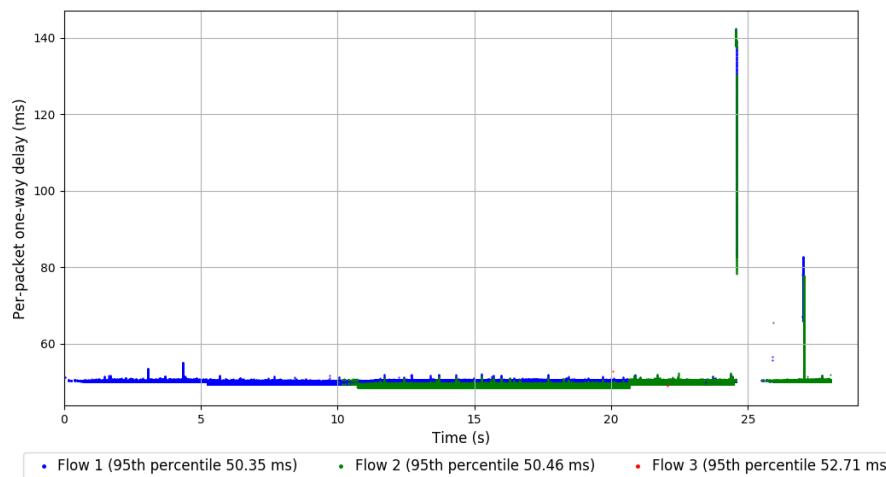
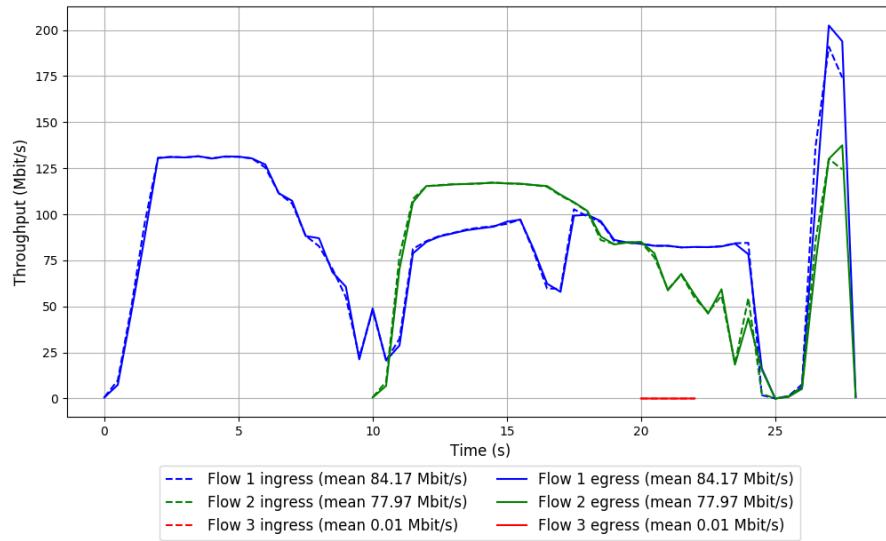
Run 3: Statistics of Copa

Start at: 2017-12-01 04:55:08

End at: 2017-12-01 04:55:38

```
# Below is generated by plot.py at 2017-12-01 08:33:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 134.23 Mbit/s
95th percentile per-packet one-way delay: 50.411 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 50.355 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.97 Mbit/s
95th percentile per-packet one-way delay: 50.458 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 52.713 ms
Loss rate: 46.17%
```

Run 3: Report of Copa — Data Link



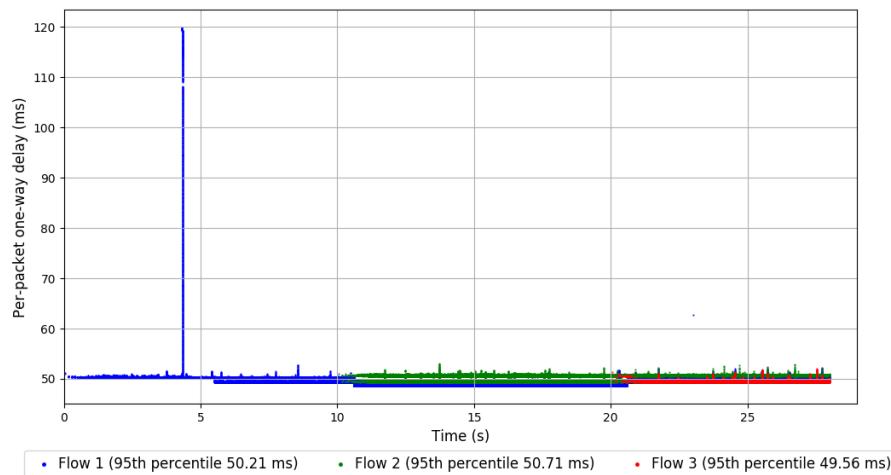
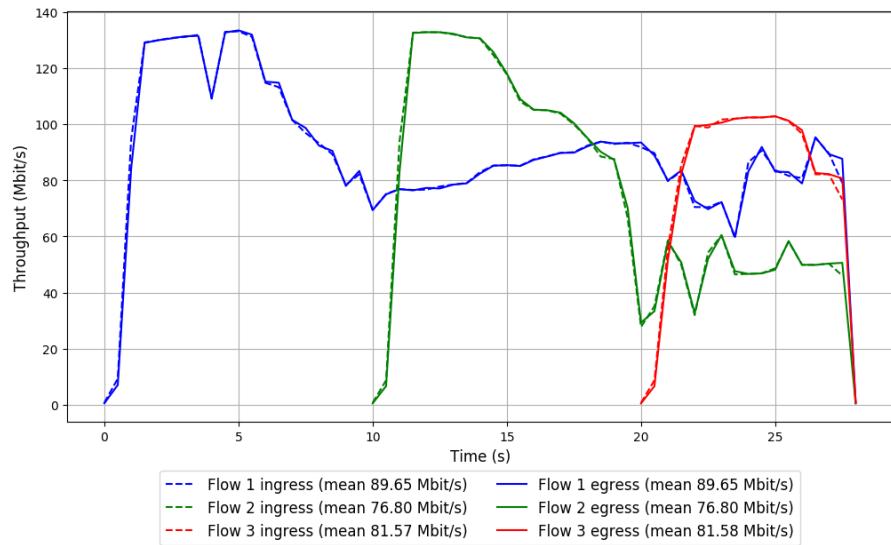
Run 4: Statistics of Copa

Start at: 2017-12-01 05:06:58

End at: 2017-12-01 05:07:28

```
# Below is generated by plot.py at 2017-12-01 08:35:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 162.11 Mbit/s
95th percentile per-packet one-way delay: 50.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: 50.208 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 50.709 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 81.58 Mbit/s
95th percentile per-packet one-way delay: 49.562 ms
Loss rate: 0.00%
```

### Run 4: Report of Copa — Data Link



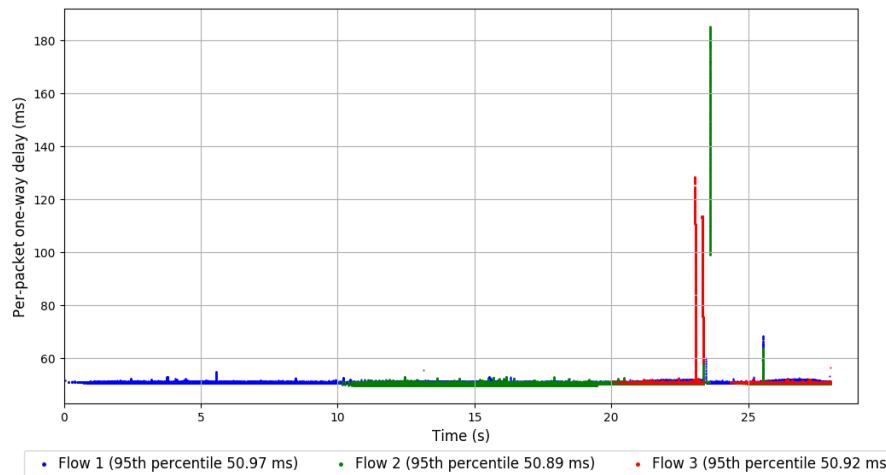
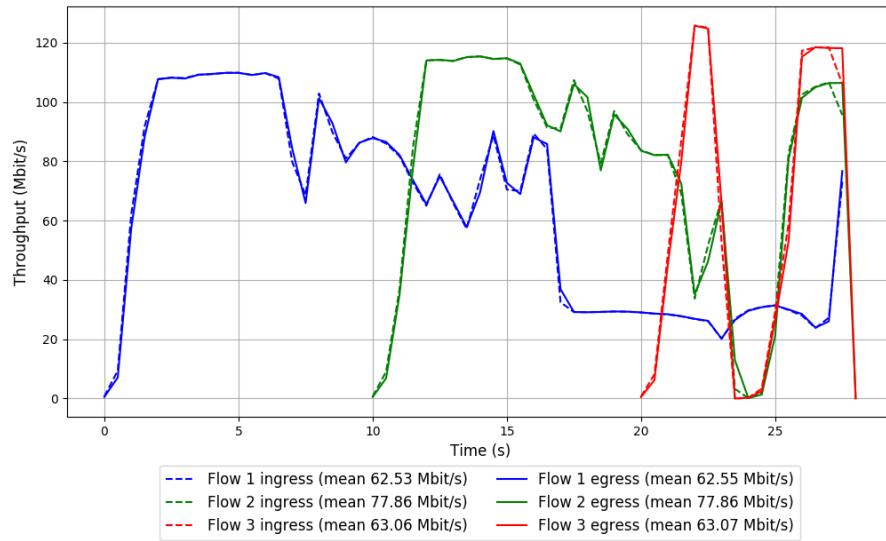
Run 5: Statistics of Copa

Start at: 2017-12-01 05:18:39

End at: 2017-12-01 05:19:09

```
# Below is generated by plot.py at 2017-12-01 08:35:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 130.43 Mbit/s
95th percentile per-packet one-way delay: 50.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.55 Mbit/s
95th percentile per-packet one-way delay: 50.969 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.86 Mbit/s
95th percentile per-packet one-way delay: 50.888 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.07 Mbit/s
95th percentile per-packet one-way delay: 50.920 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link



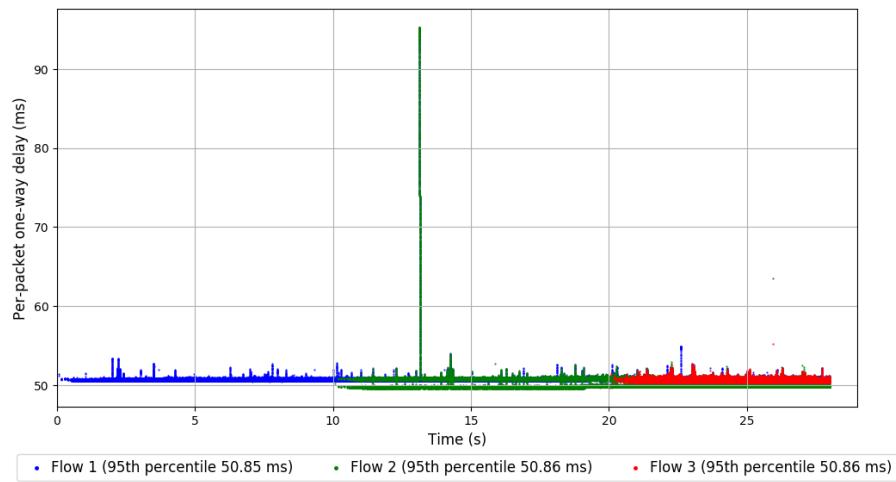
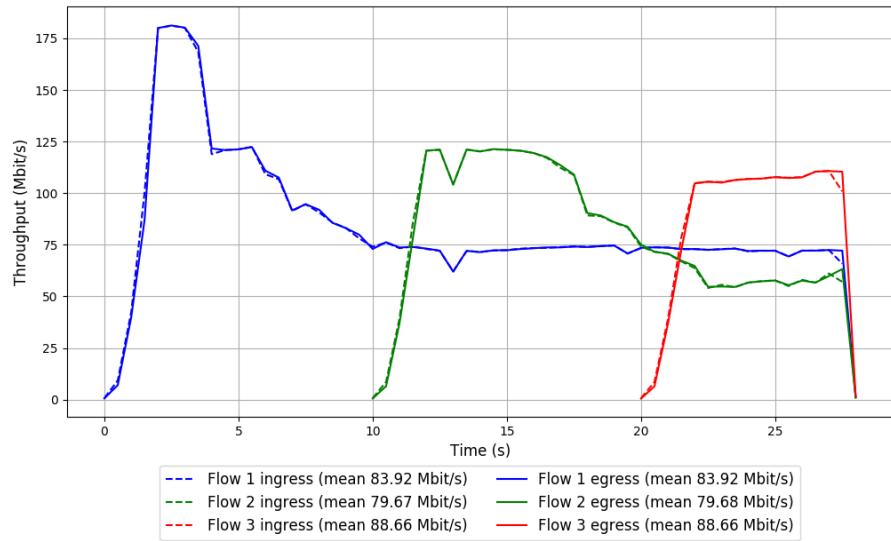
Run 6: Statistics of Copa

Start at: 2017-12-01 05:30:50

End at: 2017-12-01 05:31:20

```
# Below is generated by plot.py at 2017-12-01 08:36:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 160.23 Mbit/s
95th percentile per-packet one-way delay: 50.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.92 Mbit/s
95th percentile per-packet one-way delay: 50.855 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 79.68 Mbit/s
95th percentile per-packet one-way delay: 50.857 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 88.66 Mbit/s
95th percentile per-packet one-way delay: 50.857 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link



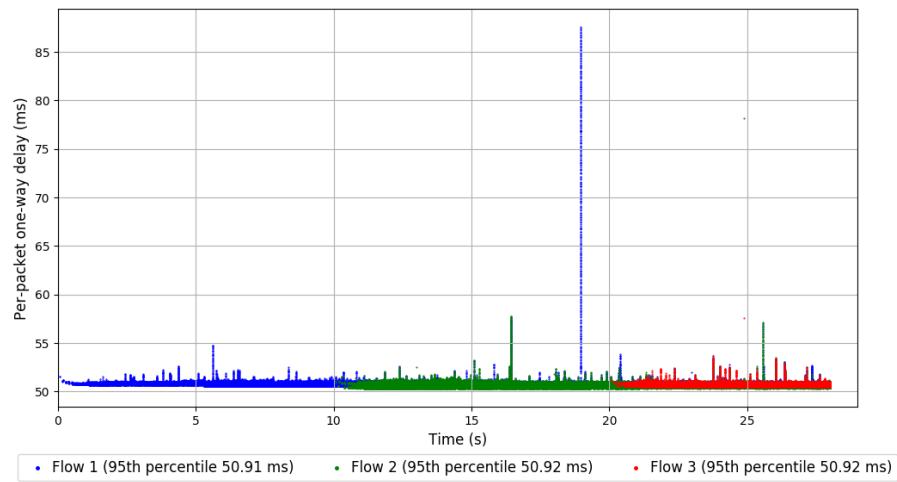
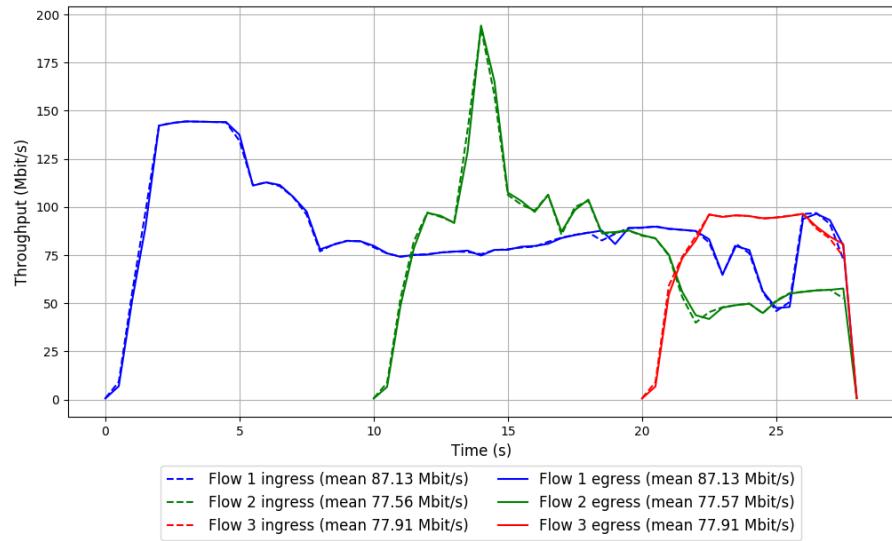
Run 7: Statistics of Copa

Start at: 2017-12-01 05:42:43

End at: 2017-12-01 05:43:13

```
# Below is generated by plot.py at 2017-12-01 08:36:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 159.04 Mbit/s
95th percentile per-packet one-way delay: 50.915 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 87.13 Mbit/s
95th percentile per-packet one-way delay: 50.914 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 77.57 Mbit/s
95th percentile per-packet one-way delay: 50.916 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 77.91 Mbit/s
95th percentile per-packet one-way delay: 50.916 ms
Loss rate: 0.02%
```

Run 7: Report of Copa — Data Link



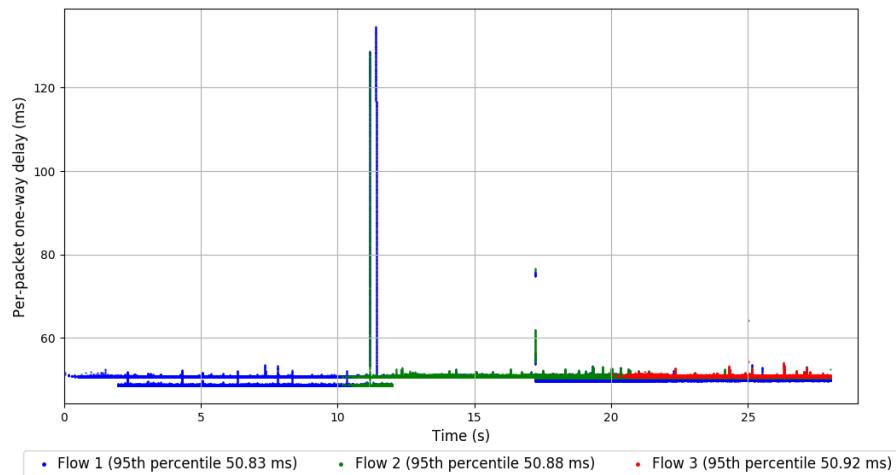
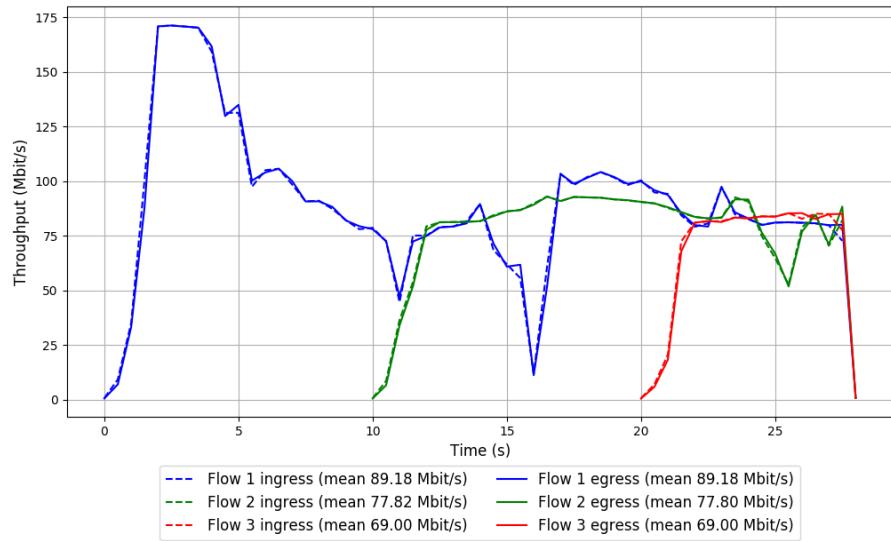
Run 8: Statistics of Copa

Start at: 2017-12-01 05:54:51

End at: 2017-12-01 05:55:21

```
# Below is generated by plot.py at 2017-12-01 08:37:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 158.71 Mbit/s
95th percentile per-packet one-way delay: 50.863 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.18 Mbit/s
95th percentile per-packet one-way delay: 50.830 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.80 Mbit/s
95th percentile per-packet one-way delay: 50.876 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 69.00 Mbit/s
95th percentile per-packet one-way delay: 50.918 ms
Loss rate: 0.04%
```

Run 8: Report of Copa — Data Link



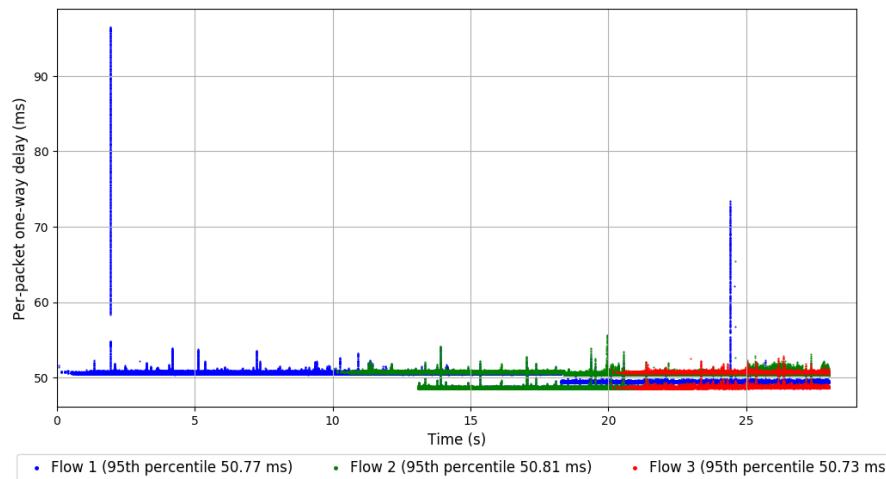
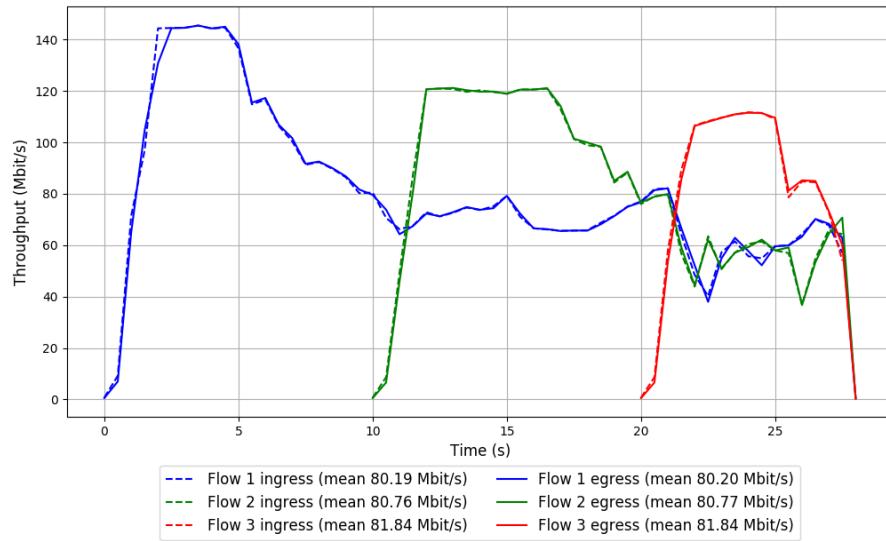
Run 9: Statistics of Copa

Start at: 2017-12-01 06:07:00

End at: 2017-12-01 06:07:30

```
# Below is generated by plot.py at 2017-12-01 08:37:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 155.28 Mbit/s
95th percentile per-packet one-way delay: 50.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 50.766 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 80.77 Mbit/s
95th percentile per-packet one-way delay: 50.807 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 81.84 Mbit/s
95th percentile per-packet one-way delay: 50.730 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link



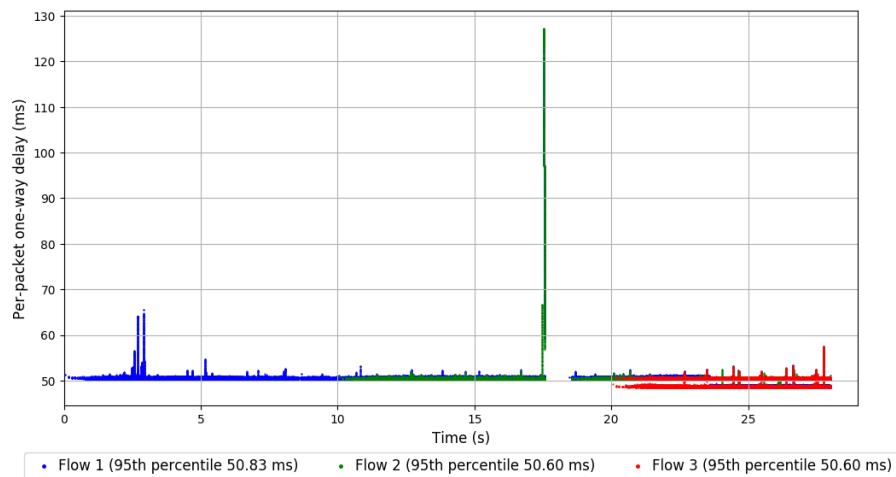
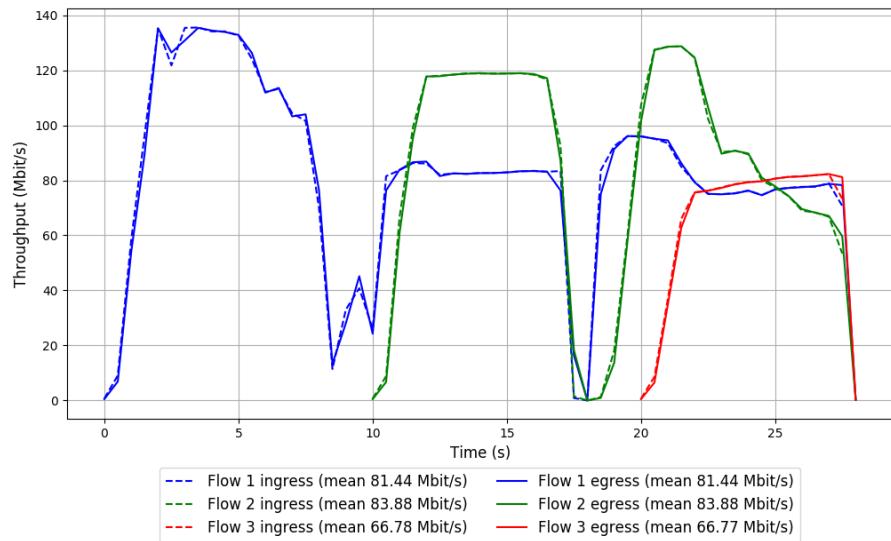
Run 10: Statistics of Copa

Start at: 2017-12-01 06:19:15

End at: 2017-12-01 06:19:45

```
# Below is generated by plot.py at 2017-12-01 08:37:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 154.25 Mbit/s
95th percentile per-packet one-way delay: 50.762 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.44 Mbit/s
95th percentile per-packet one-way delay: 50.828 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 83.88 Mbit/s
95th percentile per-packet one-way delay: 50.599 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.77 Mbit/s
95th percentile per-packet one-way delay: 50.601 ms
Loss rate: 0.01%
```

Run 10: Report of Copa — Data Link



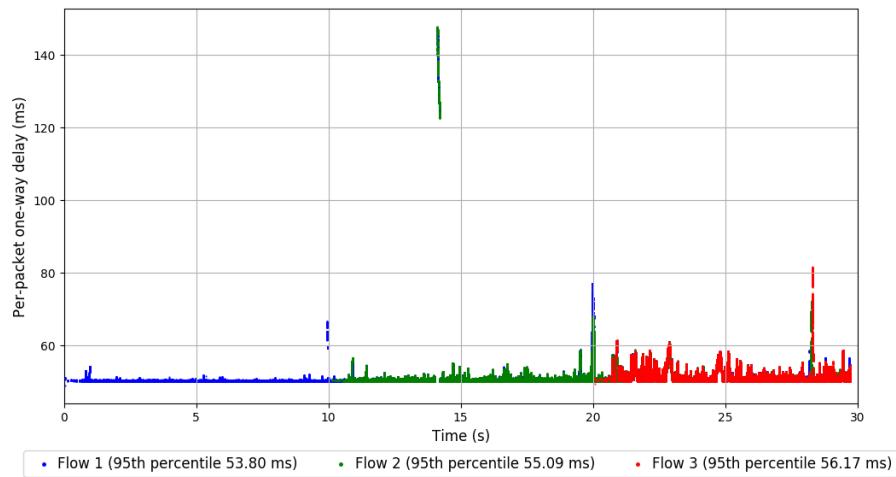
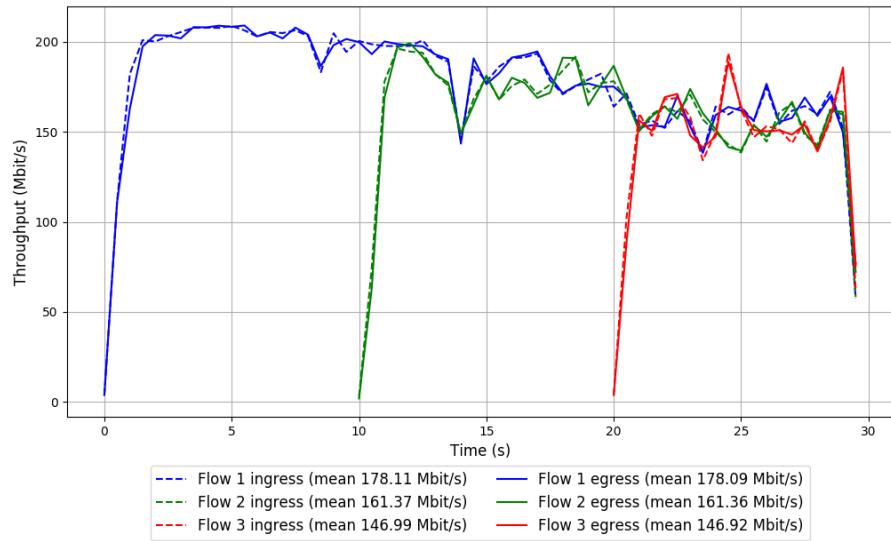
Run 1: Statistics of Indigo

Start at: 2017-12-01 04:27:50

End at: 2017-12-01 04:28:20

```
# Below is generated by plot.py at 2017-12-01 08:39:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 332.46 Mbit/s
95th percentile per-packet one-way delay: 54.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 178.09 Mbit/s
95th percentile per-packet one-way delay: 53.802 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 161.36 Mbit/s
95th percentile per-packet one-way delay: 55.090 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 146.92 Mbit/s
95th percentile per-packet one-way delay: 56.170 ms
Loss rate: 0.01%
```

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



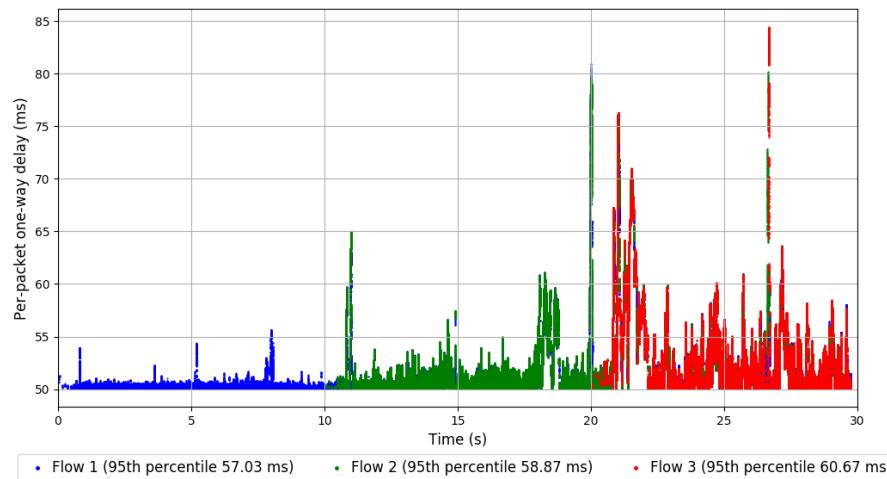
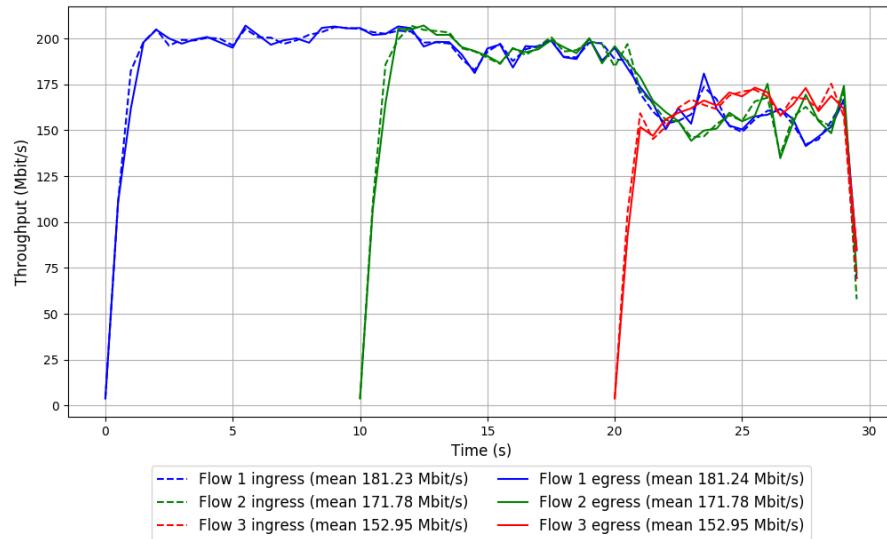
Run 2: Statistics of Indigo

Start at: 2017-12-01 04:39:46

End at: 2017-12-01 04:40:16

```
# Below is generated by plot.py at 2017-12-01 08:40:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 344.86 Mbit/s
95th percentile per-packet one-way delay: 58.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.24 Mbit/s
95th percentile per-packet one-way delay: 57.035 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 171.78 Mbit/s
95th percentile per-packet one-way delay: 58.866 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 152.95 Mbit/s
95th percentile per-packet one-way delay: 60.675 ms
Loss rate: 0.00%
```

## Run 2: Report of Indigo — Data Link



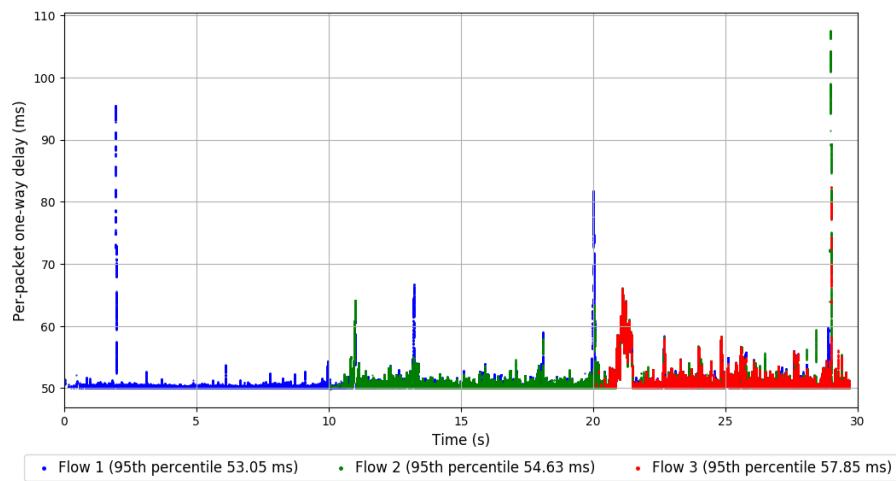
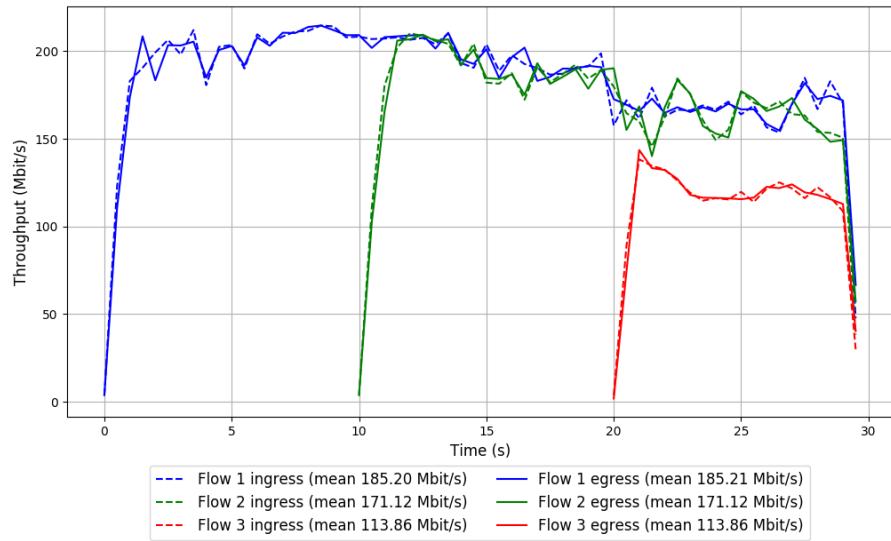
Run 3: Statistics of Indigo

Start at: 2017-12-01 04:51:32

End at: 2017-12-01 04:52:02

```
# Below is generated by plot.py at 2017-12-01 08:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 335.40 Mbit/s
95th percentile per-packet one-way delay: 54.192 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.21 Mbit/s
95th percentile per-packet one-way delay: 53.053 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 171.12 Mbit/s
95th percentile per-packet one-way delay: 54.628 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 113.86 Mbit/s
95th percentile per-packet one-way delay: 57.853 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link



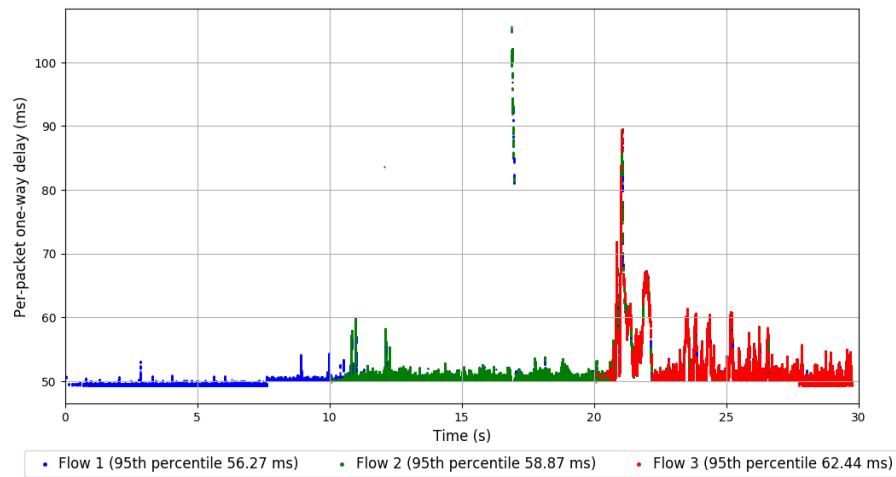
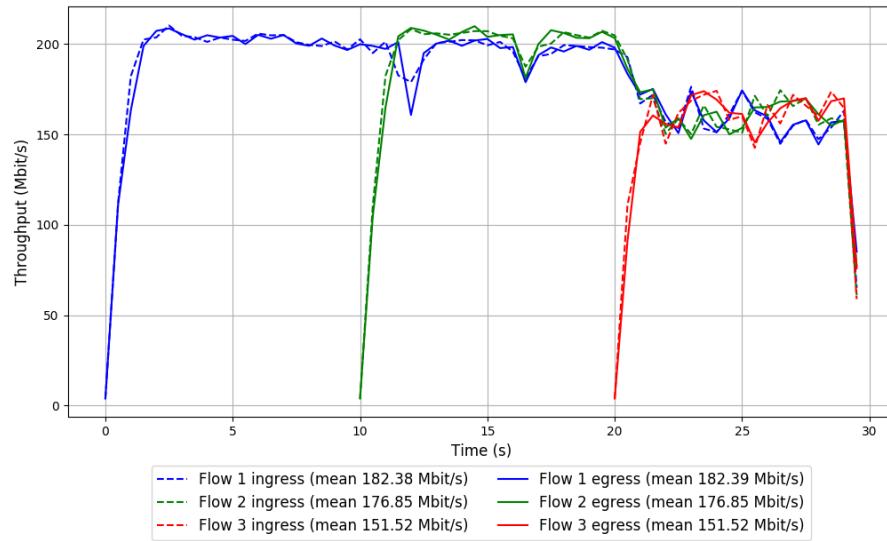
Run 4: Statistics of Indigo

Start at: 2017-12-01 05:03:17

End at: 2017-12-01 05:03:47

```
# Below is generated by plot.py at 2017-12-01 08:41:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.90 Mbit/s
95th percentile per-packet one-way delay: 58.475 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.39 Mbit/s
95th percentile per-packet one-way delay: 56.270 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.85 Mbit/s
95th percentile per-packet one-way delay: 58.870 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 151.52 Mbit/s
95th percentile per-packet one-way delay: 62.443 ms
Loss rate: 0.00%
```

## Run 4: Report of Indigo — Data Link



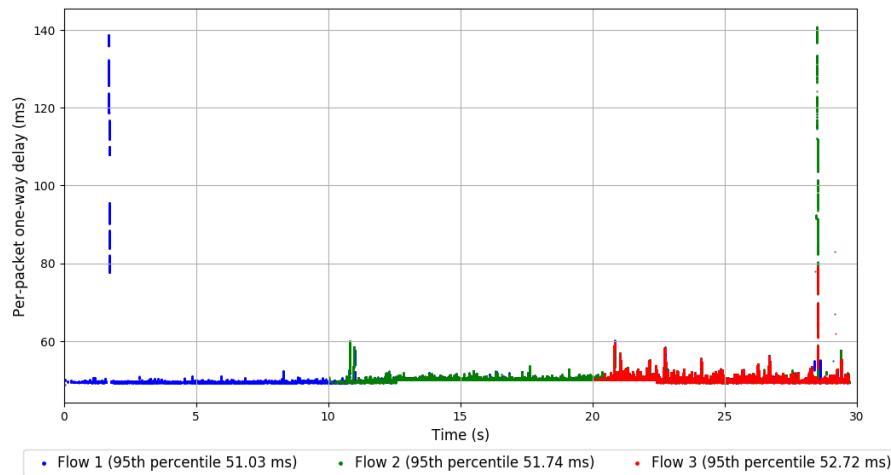
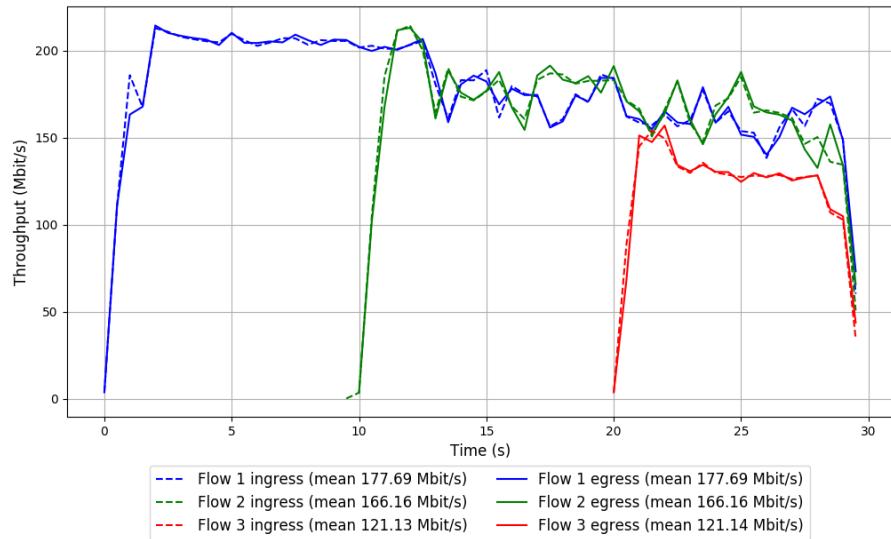
Run 5: Statistics of Indigo

Start at: 2017-12-01 05:15:03

End at: 2017-12-01 05:15:33

```
# Below is generated by plot.py at 2017-12-01 08:41:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 327.26 Mbit/s
95th percentile per-packet one-way delay: 51.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.69 Mbit/s
95th percentile per-packet one-way delay: 51.034 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 166.16 Mbit/s
95th percentile per-packet one-way delay: 51.739 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.14 Mbit/s
95th percentile per-packet one-way delay: 52.721 ms
Loss rate: 0.00%
```

## Run 5: Report of Indigo — Data Link



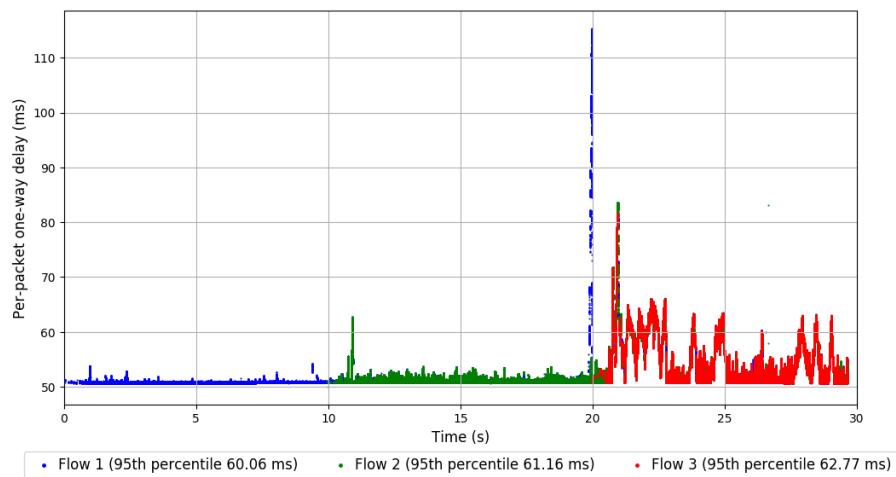
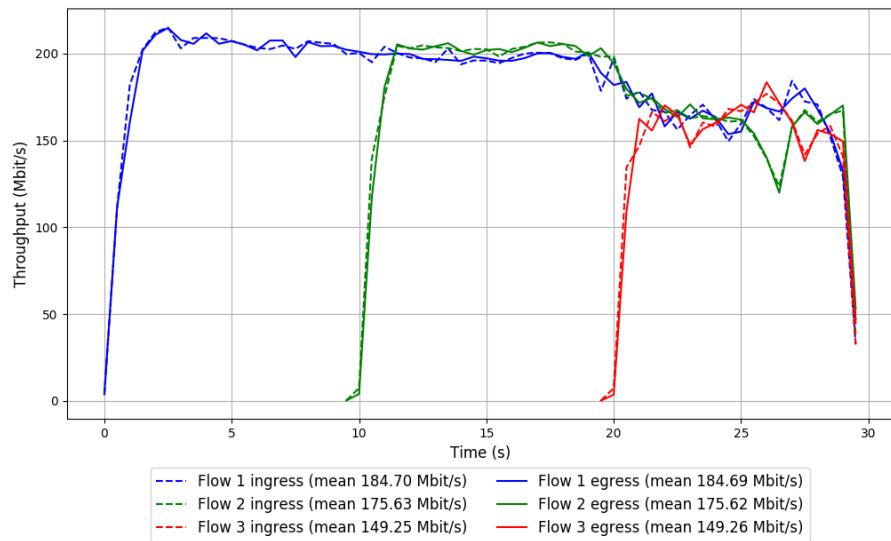
Run 6: Statistics of Indigo

Start at: 2017-12-01 05:27:08

End at: 2017-12-01 05:27:38

```
# Below is generated by plot.py at 2017-12-01 08:42:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 350.24 Mbit/s
95th percentile per-packet one-way delay: 61.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.69 Mbit/s
95th percentile per-packet one-way delay: 60.061 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 175.62 Mbit/s
95th percentile per-packet one-way delay: 61.155 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 149.26 Mbit/s
95th percentile per-packet one-way delay: 62.775 ms
Loss rate: 0.01%
```

## Run 6: Report of Indigo — Data Link



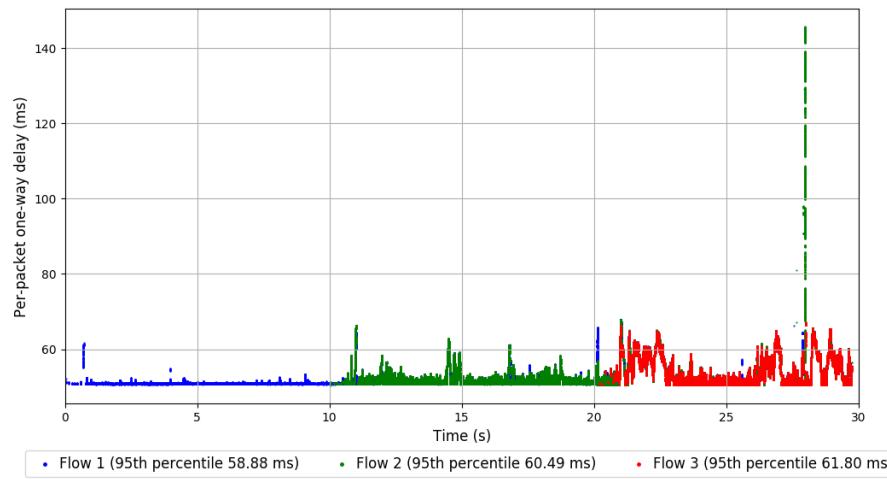
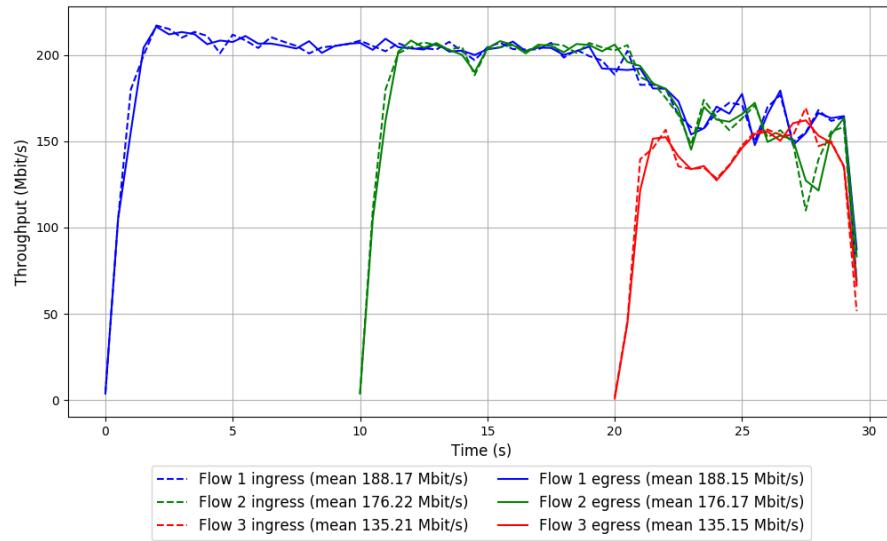
Run 7: Statistics of Indigo

Start at: 2017-12-01 05:39:05

End at: 2017-12-01 05:39:35

```
# Below is generated by plot.py at 2017-12-01 08:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.35 Mbit/s
95th percentile per-packet one-way delay: 60.049 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 188.15 Mbit/s
95th percentile per-packet one-way delay: 58.875 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.17 Mbit/s
95th percentile per-packet one-way delay: 60.488 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 135.15 Mbit/s
95th percentile per-packet one-way delay: 61.799 ms
Loss rate: 0.02%
```

## Run 7: Report of Indigo — Data Link



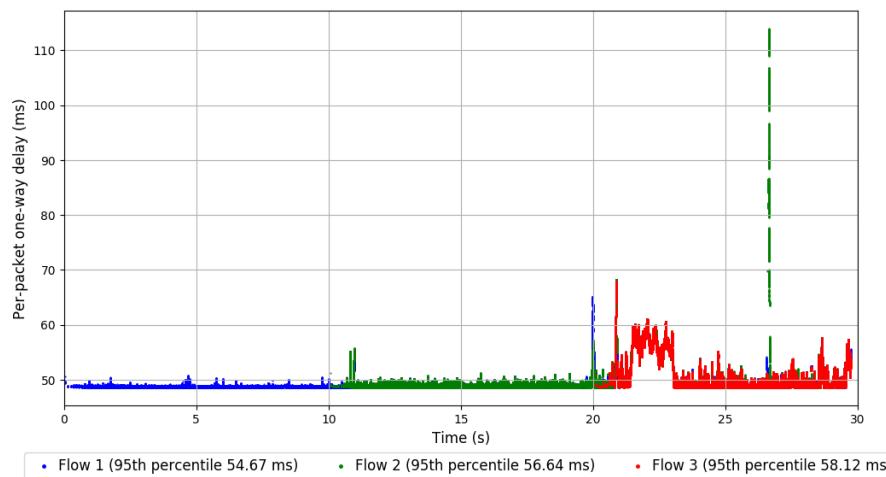
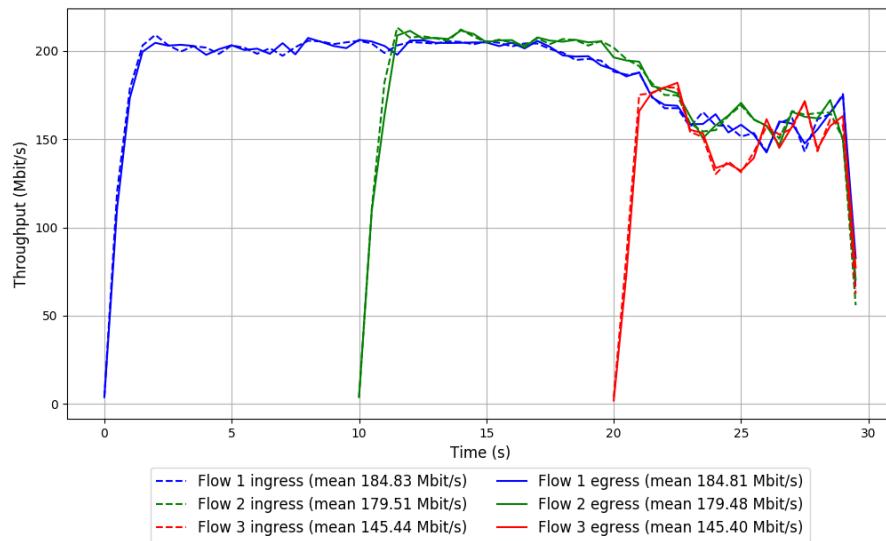
Run 8: Statistics of Indigo

Start at: 2017-12-01 05:51:10

End at: 2017-12-01 05:51:40

```
# Below is generated by plot.py at 2017-12-01 08:43:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 351.02 Mbit/s
95th percentile per-packet one-way delay: 56.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.81 Mbit/s
95th percentile per-packet one-way delay: 54.675 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 179.48 Mbit/s
95th percentile per-packet one-way delay: 56.640 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 145.40 Mbit/s
95th percentile per-packet one-way delay: 58.124 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link



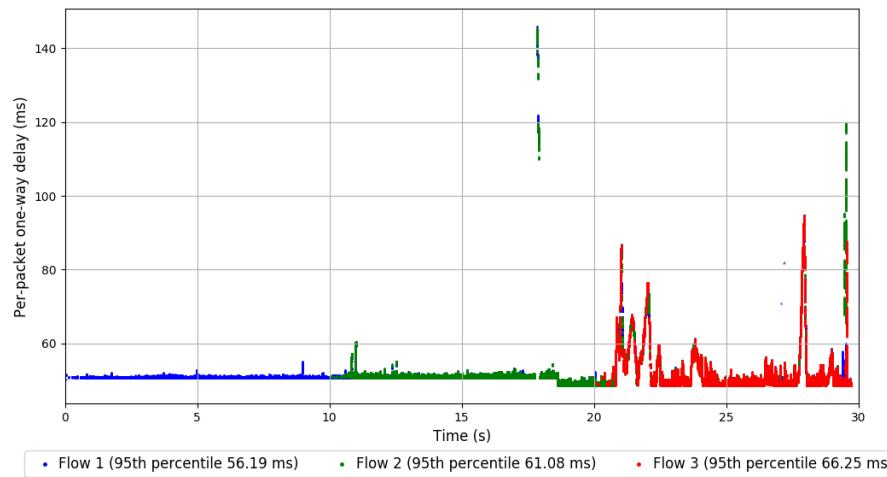
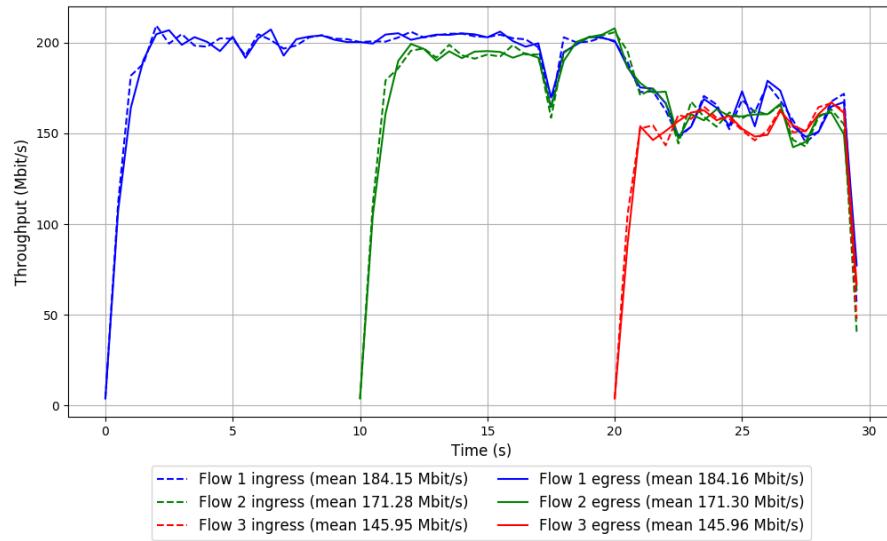
Run 9: Statistics of Indigo

Start at: 2017-12-01 06:03:17

End at: 2017-12-01 06:03:47

```
# Below is generated by plot.py at 2017-12-01 08:45:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 345.02 Mbit/s
95th percentile per-packet one-way delay: 58.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.16 Mbit/s
95th percentile per-packet one-way delay: 56.189 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 171.30 Mbit/s
95th percentile per-packet one-way delay: 61.079 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 145.96 Mbit/s
95th percentile per-packet one-way delay: 66.253 ms
Loss rate: 0.00%
```

## Run 9: Report of Indigo — Data Link



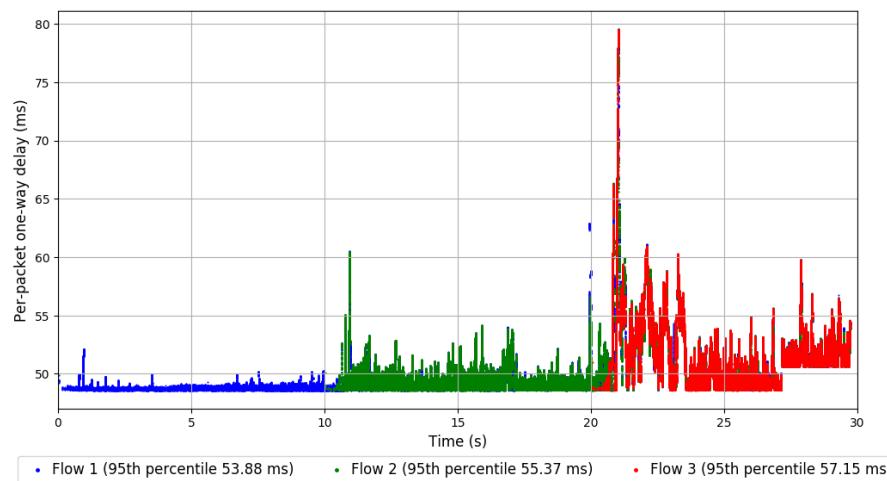
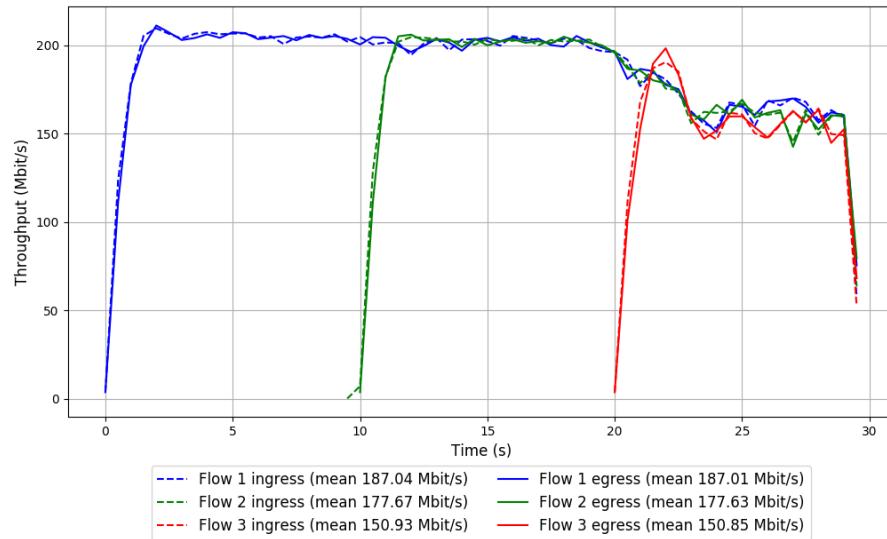
Run 10: Statistics of Indigo

Start at: 2017-12-01 06:15:28

End at: 2017-12-01 06:15:58

```
# Below is generated by plot.py at 2017-12-01 08:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 353.91 Mbit/s
95th percentile per-packet one-way delay: 55.365 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.01 Mbit/s
95th percentile per-packet one-way delay: 53.884 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.63 Mbit/s
95th percentile per-packet one-way delay: 55.372 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 150.85 Mbit/s
95th percentile per-packet one-way delay: 57.146 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

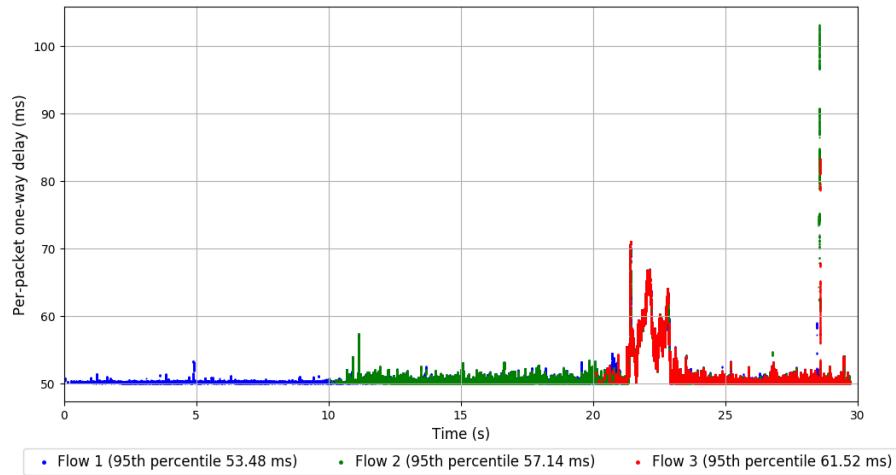
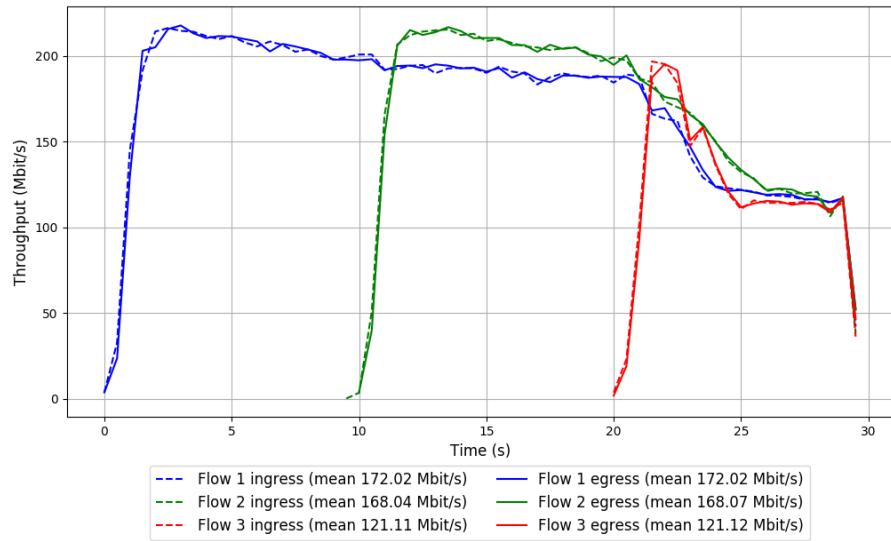


```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-01 04:29:33
End at: 2017-12-01 04:30:03

# Below is generated by plot.py at 2017-12-01 08:46:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 322.67 Mbit/s
95th percentile per-packet one-way delay: 57.273 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.02 Mbit/s
95th percentile per-packet one-way delay: 53.479 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 168.07 Mbit/s
95th percentile per-packet one-way delay: 57.142 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.12 Mbit/s
95th percentile per-packet one-way delay: 61.515 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-calib — Data Link



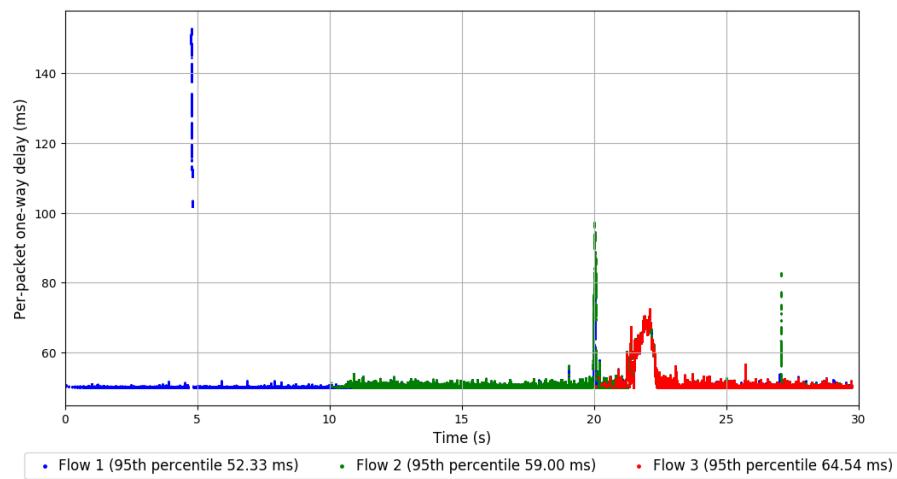
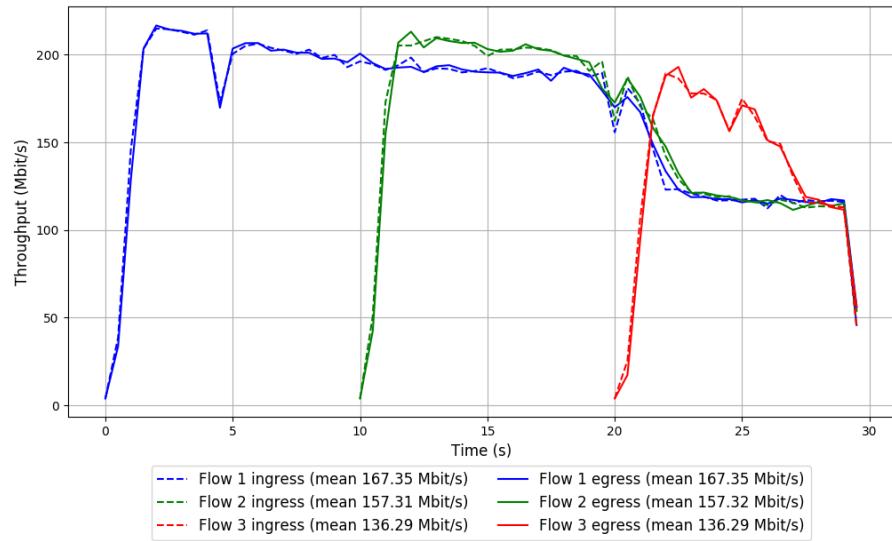
Run 2: Statistics of Indigo-calib

Start at: 2017-12-01 04:41:30

End at: 2017-12-01 04:42:00

```
# Below is generated by plot.py at 2017-12-01 08:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 316.01 Mbit/s
95th percentile per-packet one-way delay: 57.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 167.35 Mbit/s
95th percentile per-packet one-way delay: 52.332 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 157.32 Mbit/s
95th percentile per-packet one-way delay: 59.002 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 136.29 Mbit/s
95th percentile per-packet one-way delay: 64.537 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-calib — Data Link



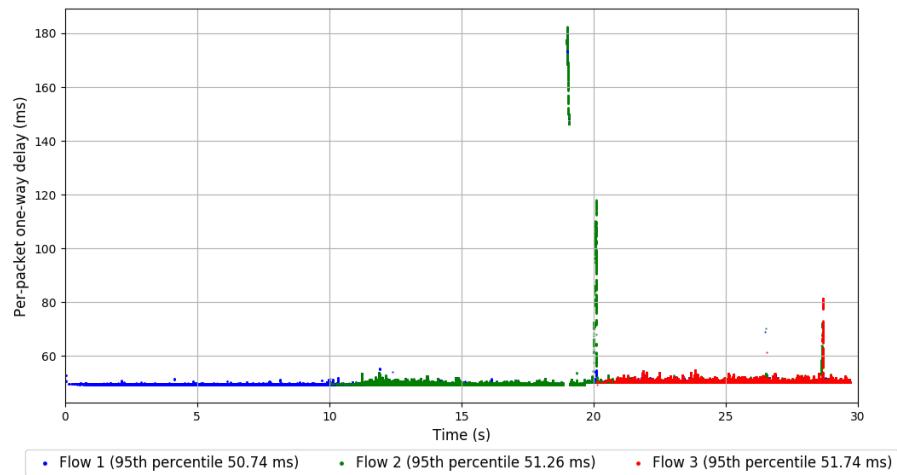
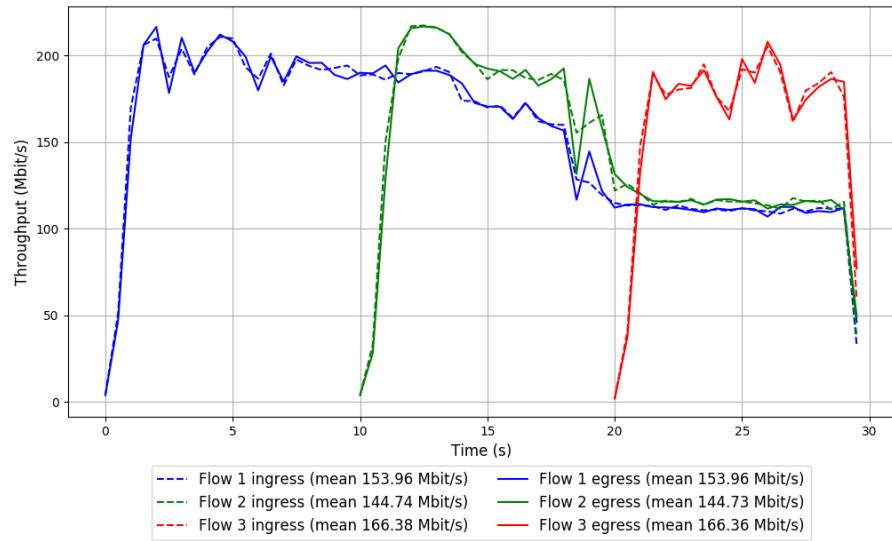
Run 3: Statistics of Indigo-calib

Start at: 2017-12-01 04:53:15

End at: 2017-12-01 04:53:45

```
# Below is generated by plot.py at 2017-12-01 08:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 303.61 Mbit/s
95th percentile per-packet one-way delay: 51.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 153.96 Mbit/s
95th percentile per-packet one-way delay: 50.741 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 144.73 Mbit/s
95th percentile per-packet one-way delay: 51.262 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 166.36 Mbit/s
95th percentile per-packet one-way delay: 51.744 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-calib — Data Link

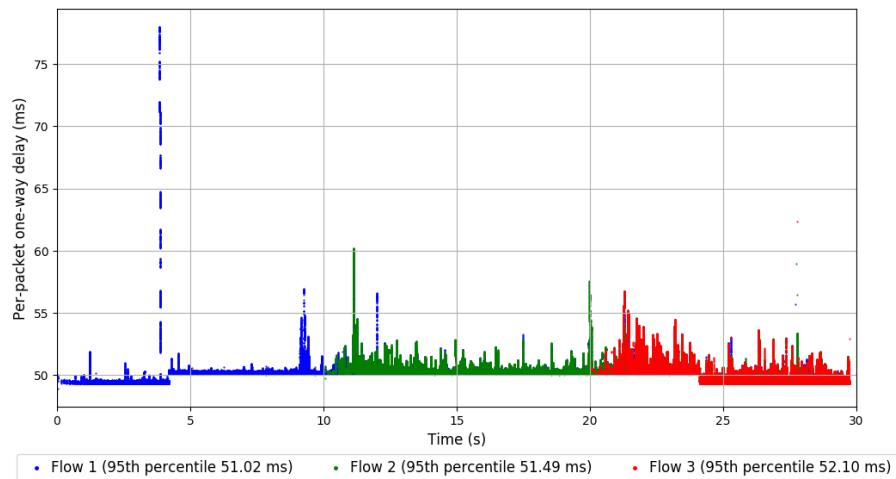
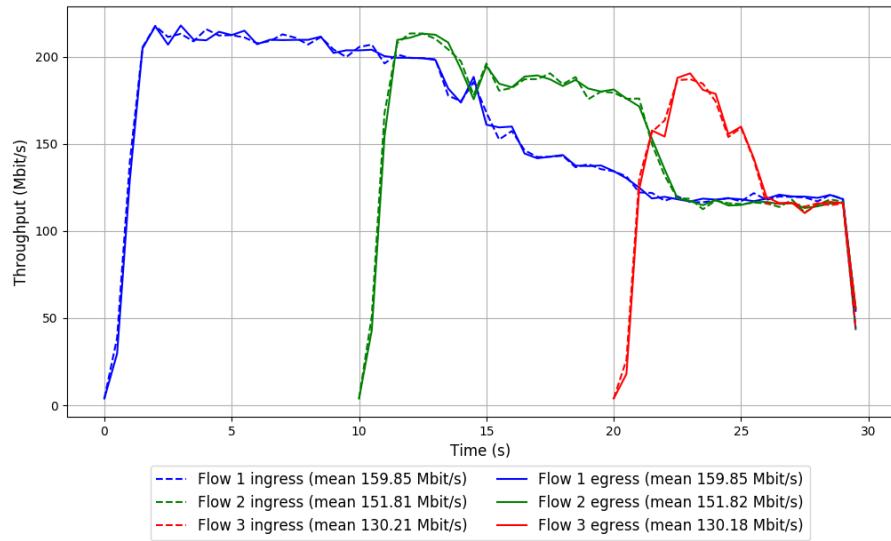


```
Run 4: Statistics of Indigo-calib

Start at: 2017-12-01 05:05:01
End at: 2017-12-01 05:05:31

# Below is generated by plot.py at 2017-12-01 08:47:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 302.87 Mbit/s
95th percentile per-packet one-way delay: 51.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.85 Mbit/s
95th percentile per-packet one-way delay: 51.024 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 151.82 Mbit/s
95th percentile per-packet one-way delay: 51.488 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 130.18 Mbit/s
95th percentile per-packet one-way delay: 52.105 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-calib — Data Link



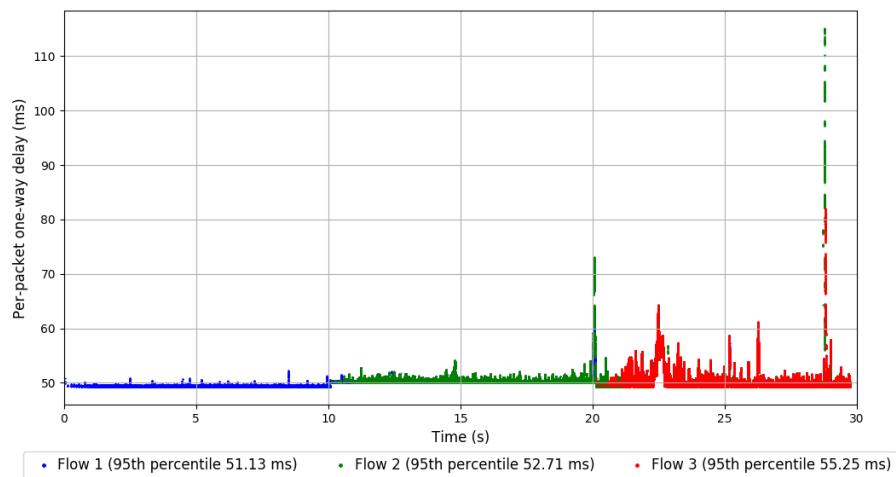
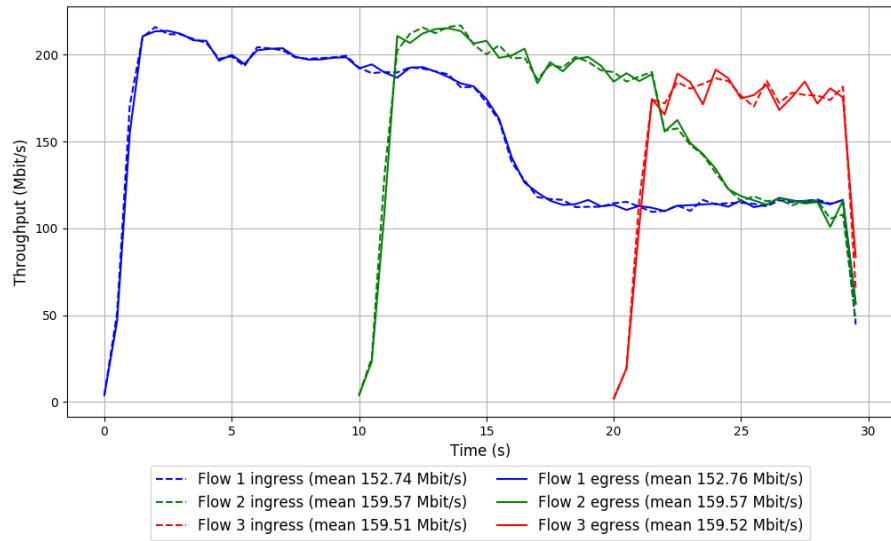
Run 5: Statistics of Indigo-calib

Start at: 2017-12-01 05:16:45

End at: 2017-12-01 05:17:15

```
# Below is generated by plot.py at 2017-12-01 08:48:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 310.10 Mbit/s
95th percentile per-packet one-way delay: 52.411 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 152.76 Mbit/s
95th percentile per-packet one-way delay: 51.131 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 159.57 Mbit/s
95th percentile per-packet one-way delay: 52.708 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 159.52 Mbit/s
95th percentile per-packet one-way delay: 55.252 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-calib — Data Link



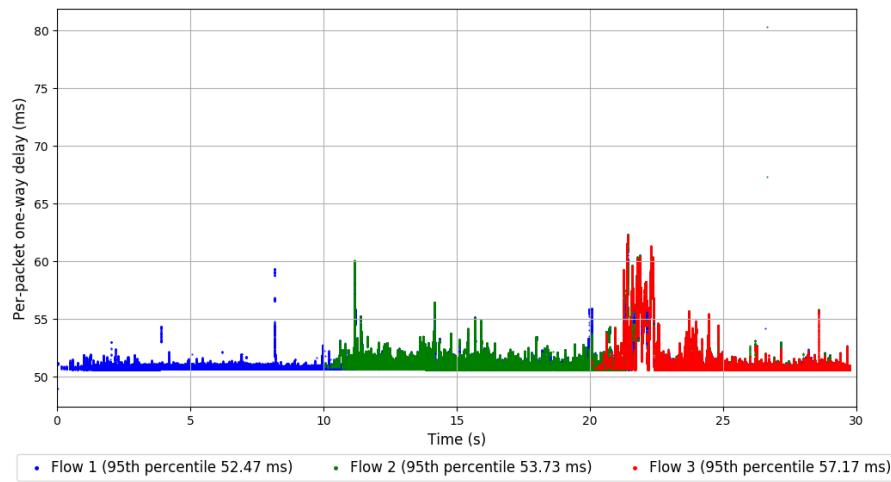
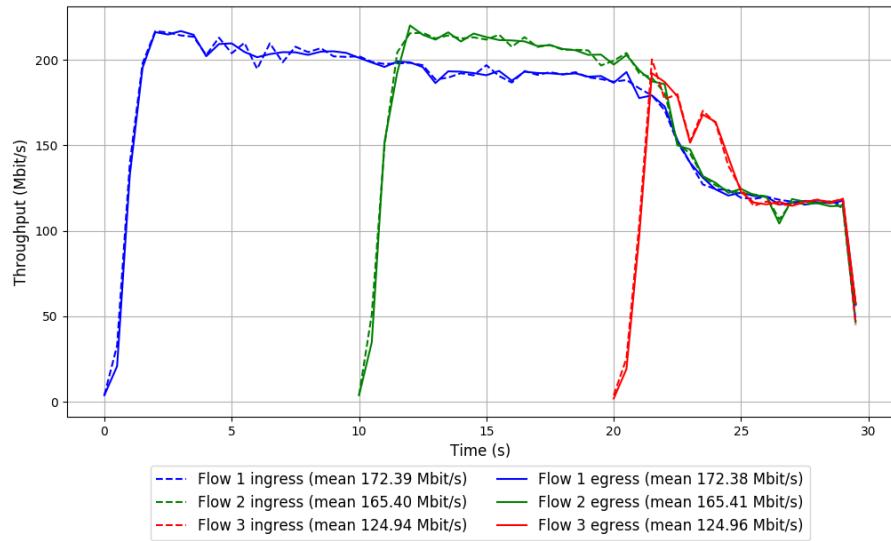
Run 6: Statistics of Indigo-calib

Start at: 2017-12-01 05:28:51

End at: 2017-12-01 05:29:21

```
# Below is generated by plot.py at 2017-12-01 08:48:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 322.66 Mbit/s
95th percentile per-packet one-way delay: 53.683 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.38 Mbit/s
95th percentile per-packet one-way delay: 52.465 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 165.41 Mbit/s
95th percentile per-packet one-way delay: 53.728 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 124.96 Mbit/s
95th percentile per-packet one-way delay: 57.169 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo-calib — Data Link



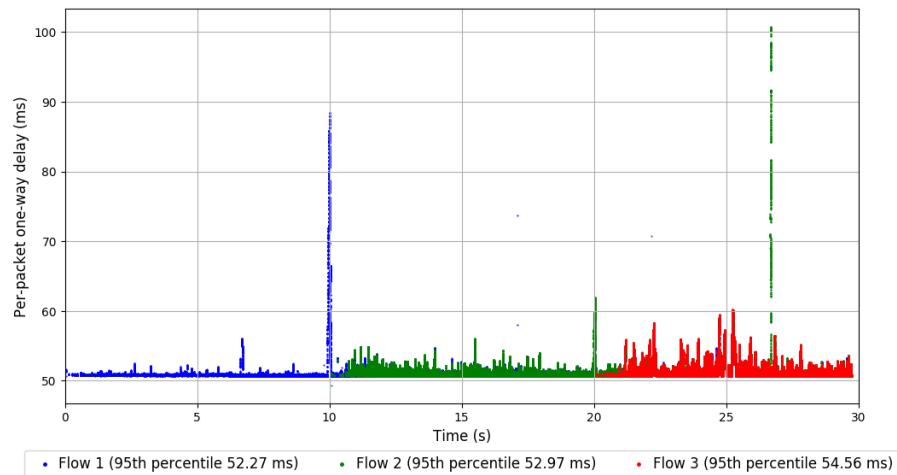
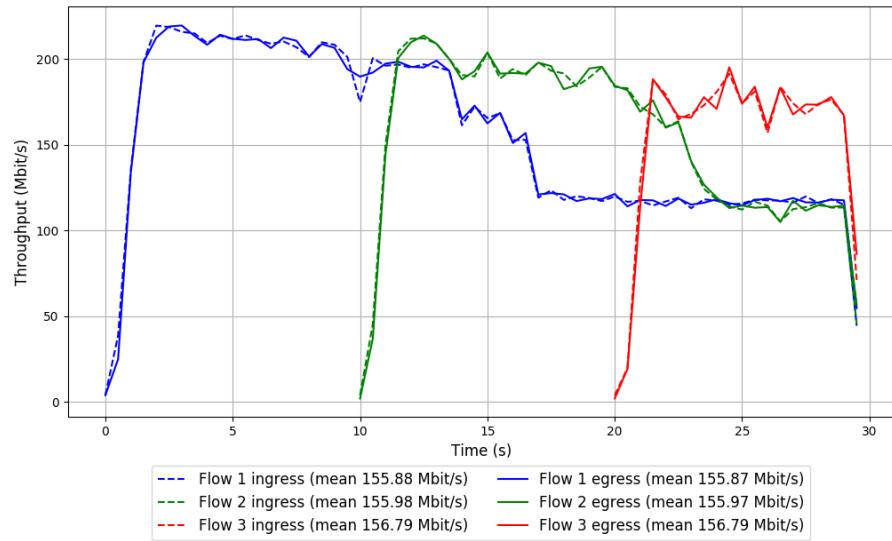
Run 7: Statistics of Indigo-calib

Start at: 2017-12-01 05:40:49

End at: 2017-12-01 05:41:19

```
# Below is generated by plot.py at 2017-12-01 08:49:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 310.02 Mbit/s
95th percentile per-packet one-way delay: 52.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.87 Mbit/s
95th percentile per-packet one-way delay: 52.275 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 155.97 Mbit/s
95th percentile per-packet one-way delay: 52.970 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 156.79 Mbit/s
95th percentile per-packet one-way delay: 54.560 ms
Loss rate: 0.01%
```

Run 7: Report of Indigo-calib — Data Link



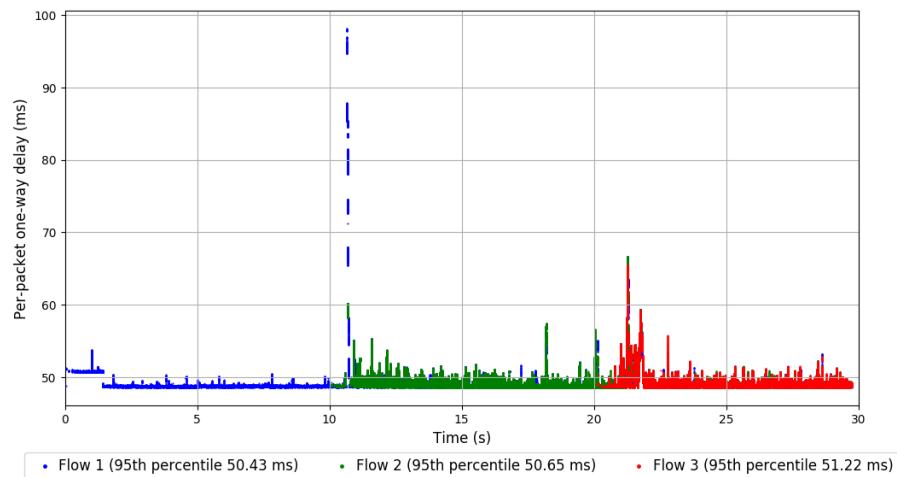
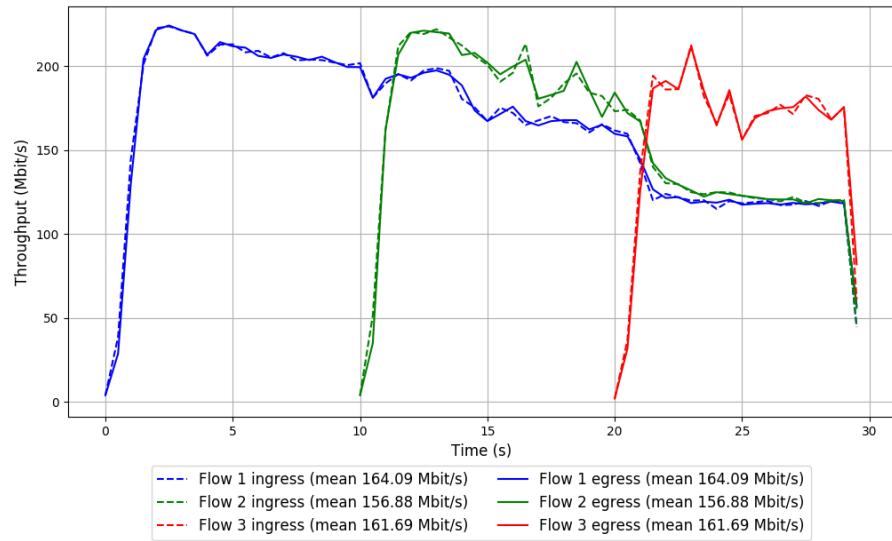
Run 8: Statistics of Indigo-calib

Start at: 2017-12-01 05:52:54

End at: 2017-12-01 05:53:24

```
# Below is generated by plot.py at 2017-12-01 08:49:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 320.23 Mbit/s
95th percentile per-packet one-way delay: 50.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.09 Mbit/s
95th percentile per-packet one-way delay: 50.432 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 156.88 Mbit/s
95th percentile per-packet one-way delay: 50.654 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 161.69 Mbit/s
95th percentile per-packet one-way delay: 51.221 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo-calib — Data Link

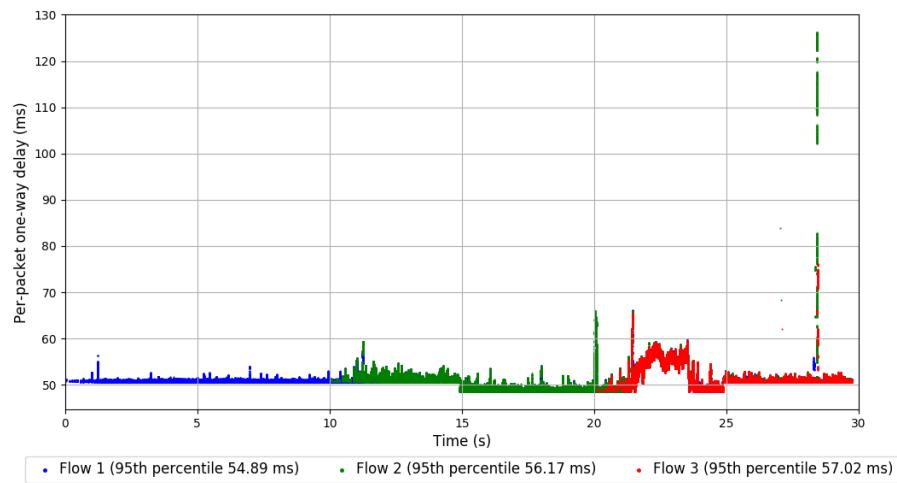
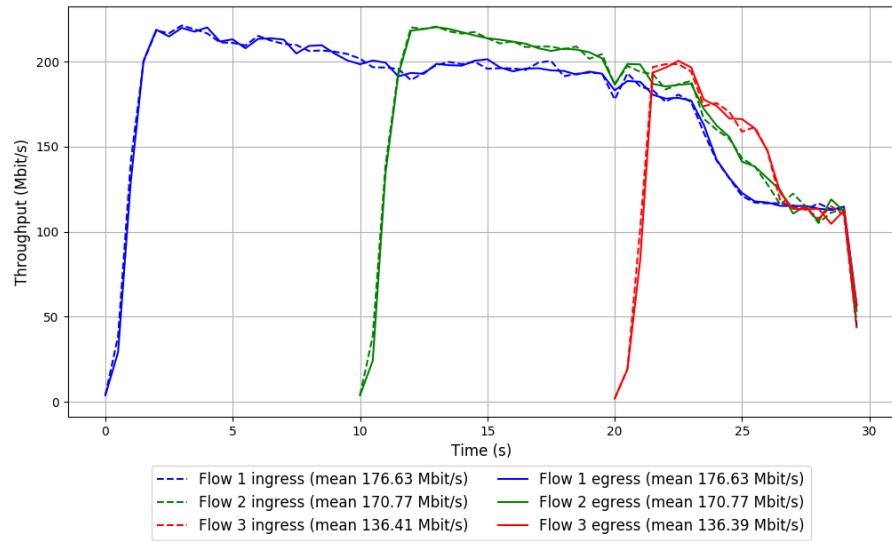


```
Run 9: Statistics of Indigo-calib

Start at: 2017-12-01 06:05:00
End at: 2017-12-01 06:05:30

# Below is generated by plot.py at 2017-12-01 08:49:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 333.88 Mbit/s
95th percentile per-packet one-way delay: 55.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.63 Mbit/s
95th percentile per-packet one-way delay: 54.891 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 170.77 Mbit/s
95th percentile per-packet one-way delay: 56.166 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 136.39 Mbit/s
95th percentile per-packet one-way delay: 57.024 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-12-01 06:17:12

End at: 2017-12-01 06:17:42

```
# Below is generated by plot.py at 2017-12-01 08:49:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 326.41 Mbit/s
95th percentile per-packet one-way delay: 55.627 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 169.53 Mbit/s
95th percentile per-packet one-way delay: 51.546 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 158.63 Mbit/s
95th percentile per-packet one-way delay: 55.349 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 158.93 Mbit/s
95th percentile per-packet one-way delay: 62.135 ms
Loss rate: 0.02%
```

Run 10: Report of Indigo-calib — Data Link

