

## Pantheon Report

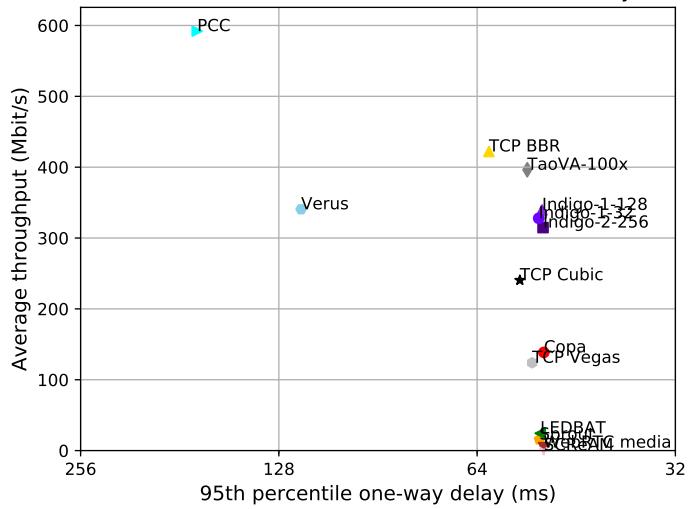
Generated at 2018-01-26 22:25:47 (UTC).  
Data path: GCE London Ethernet (*remote*) → GCE Iowa Ethernet (*local*).  
Repeated the test of 15 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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**).

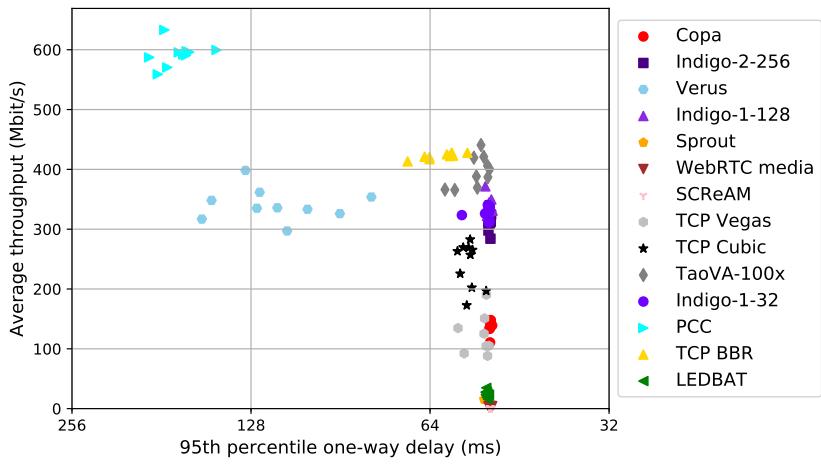
Git summary:

```
branch: master @ f23294ec38436c9f802847d477a41b7343ec76e6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ 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/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



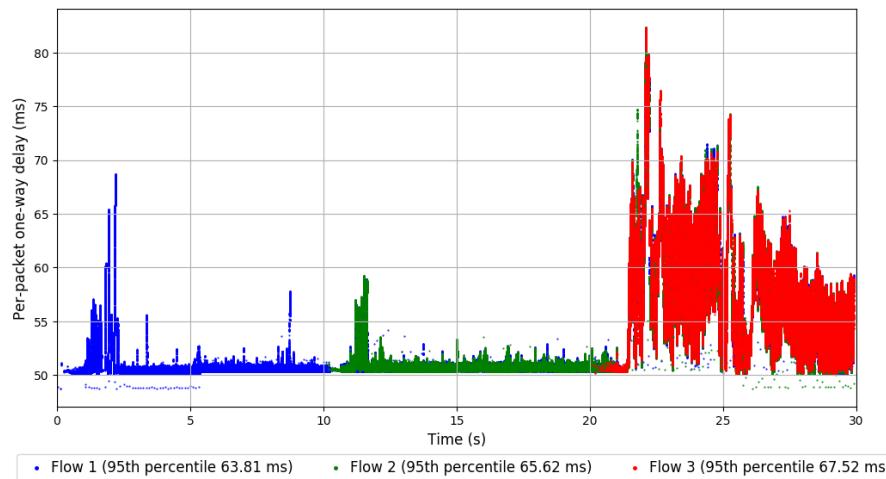
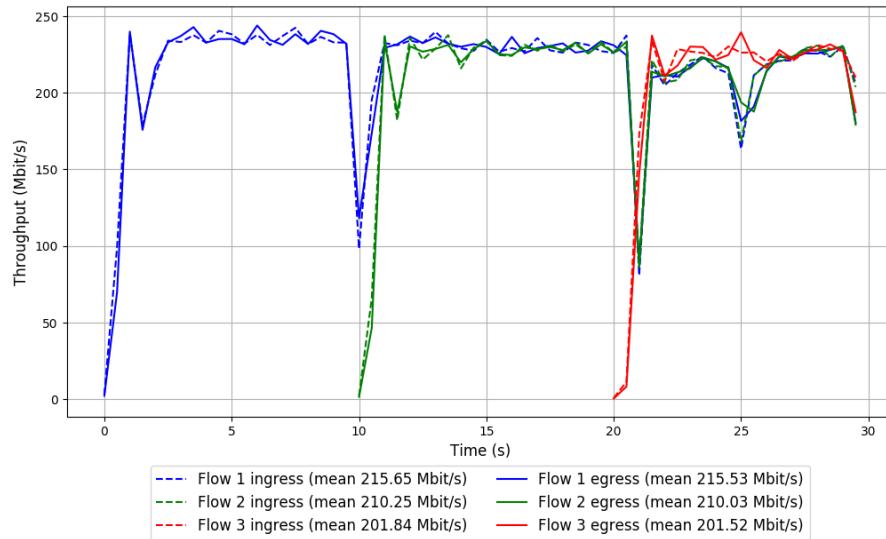
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	215.91	212.37	197.95	60.11	61.48	63.31	0.38	0.58	1.22
TCP Cubic		130.23	121.94	88.84	54.42	54.84	54.80	0.31	0.66	1.81
LEDBAT		13.52	12.19	8.39	51.35	51.31	51.37	0.87	0.92	2.18
PCC		530.85	70.18	44.77	172.28	163.03	158.43	2.28	2.32	3.92
QUIC Cubic		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SCReAM		0.22	0.22	0.22	50.64	50.58	50.58	0.26	0.55	1.11
WebRTC media		2.23	1.40	0.56	50.58	50.33	50.50	0.47	0.58	1.54
Sprout		7.96	7.85	7.53	51.50	51.45	51.44	0.38	0.52	1.26
TaoVA-100x		219.92	216.72	134.31	52.65	55.21	54.44	0.28	0.49	1.20
TCP Vegas		56.62	59.73	86.56	51.76	52.58	53.56	0.33	0.47	1.17
Verus		205.04	147.33	118.38	121.28	118.04	109.57	0.85	0.75	2.49
Copa		72.04	71.54	74.00	50.57	50.69	50.58	0.25	0.49	1.41
Indigo-2-256		168.29	157.44	130.29	50.75	50.87	50.95	0.30	0.47	1.00
Indigo-1-32		173.71	159.72	149.07	51.32	51.81	51.98	0.29	0.49	1.08
Indigo-1-128		179.39	169.06	139.64	50.80	51.23	51.67	0.32	0.46	1.04

```
Run 1: Statistics of TCP BBR

Start at: 2018-01-26 16:16:37
End at: 2018-01-26 16:17:07

# Below is generated by plot.py at 2018-01-26 21:10:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.12 Mbit/s
95th percentile per-packet one-way delay: 65.367 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 215.53 Mbit/s
95th percentile per-packet one-way delay: 63.809 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 210.03 Mbit/s
95th percentile per-packet one-way delay: 65.622 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 201.52 Mbit/s
95th percentile per-packet one-way delay: 67.522 ms
Loss rate: 1.19%
```

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



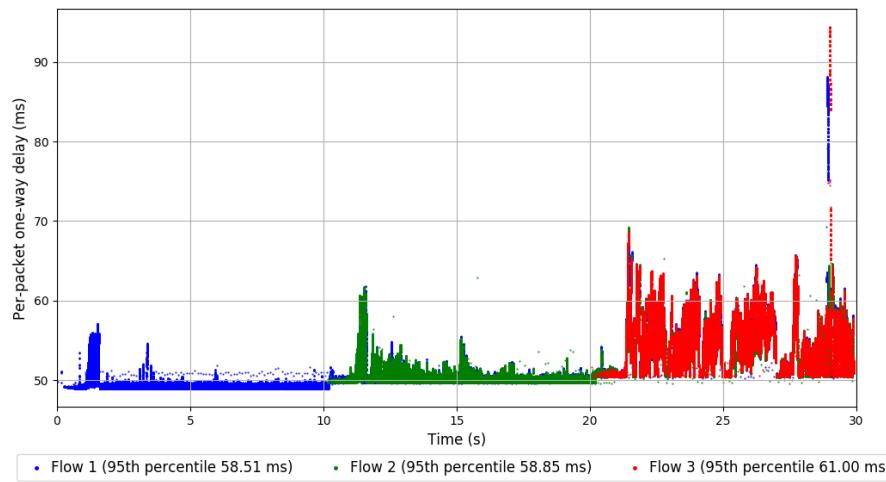
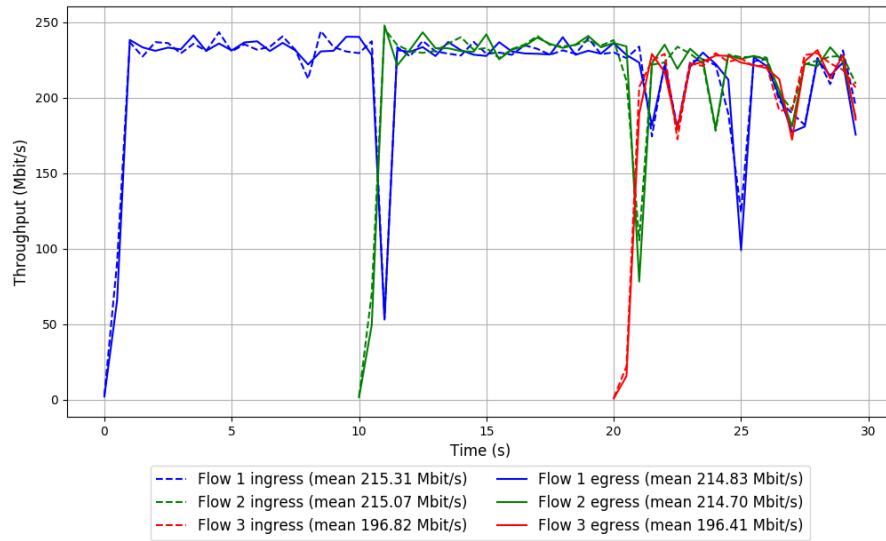
Run 2: Statistics of TCP BBR

Start at: 2018-01-26 16:31:02

End at: 2018-01-26 16:31:32

```
# Below is generated by plot.py at 2018-01-26 21:10:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 422.21 Mbit/s
95th percentile per-packet one-way delay: 59.254 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 214.83 Mbit/s
95th percentile per-packet one-way delay: 58.506 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 214.70 Mbit/s
95th percentile per-packet one-way delay: 58.854 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 196.41 Mbit/s
95th percentile per-packet one-way delay: 60.996 ms
Loss rate: 1.23%
```

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



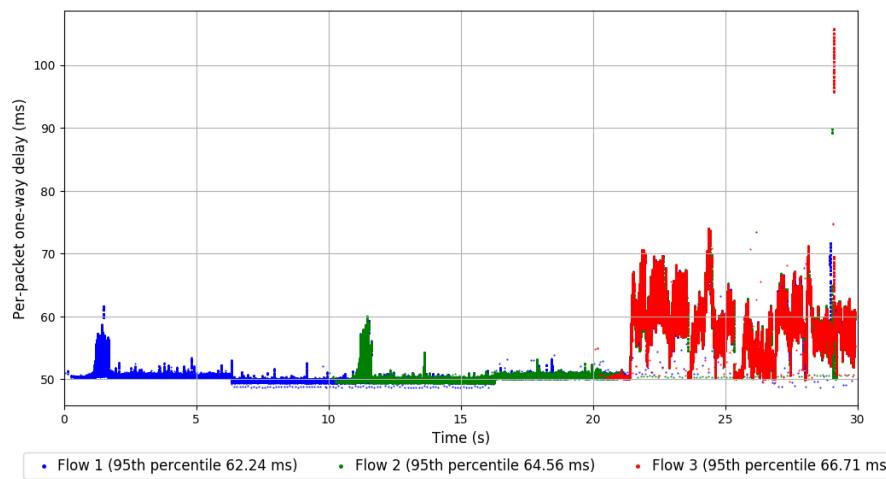
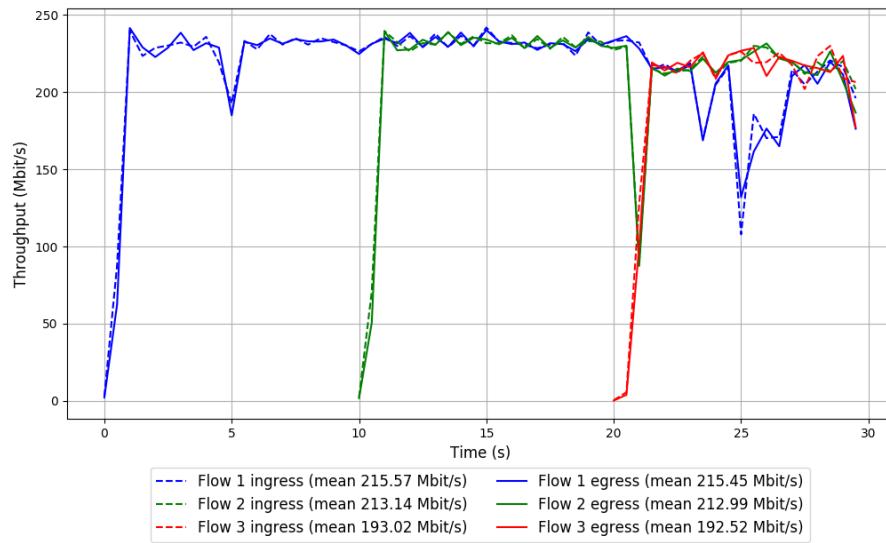
Run 3: Statistics of TCP BBR

Start at: 2018-01-26 16:45:26

End at: 2018-01-26 16:45:56

```
# Below is generated by plot.py at 2018-01-26 21:10:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 420.41 Mbit/s
95th percentile per-packet one-way delay: 64.150 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 215.45 Mbit/s
95th percentile per-packet one-way delay: 62.237 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 212.99 Mbit/s
95th percentile per-packet one-way delay: 64.561 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 192.52 Mbit/s
95th percentile per-packet one-way delay: 66.706 ms
Loss rate: 1.28%
```

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



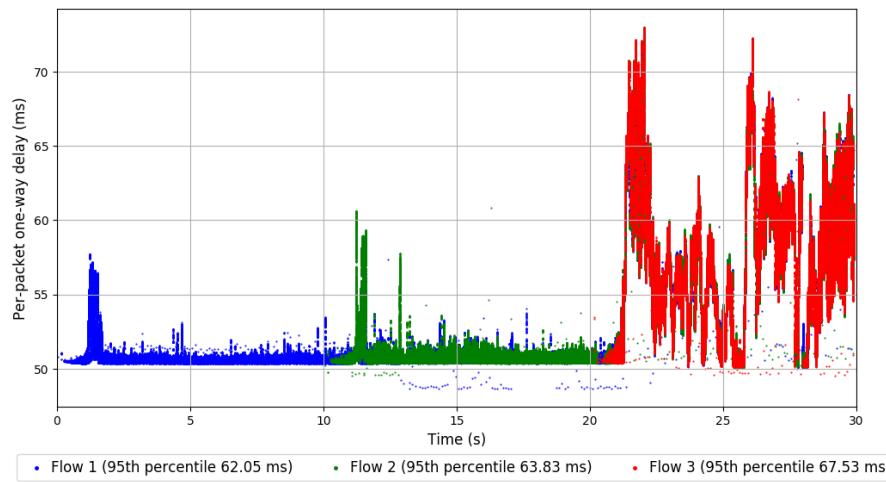
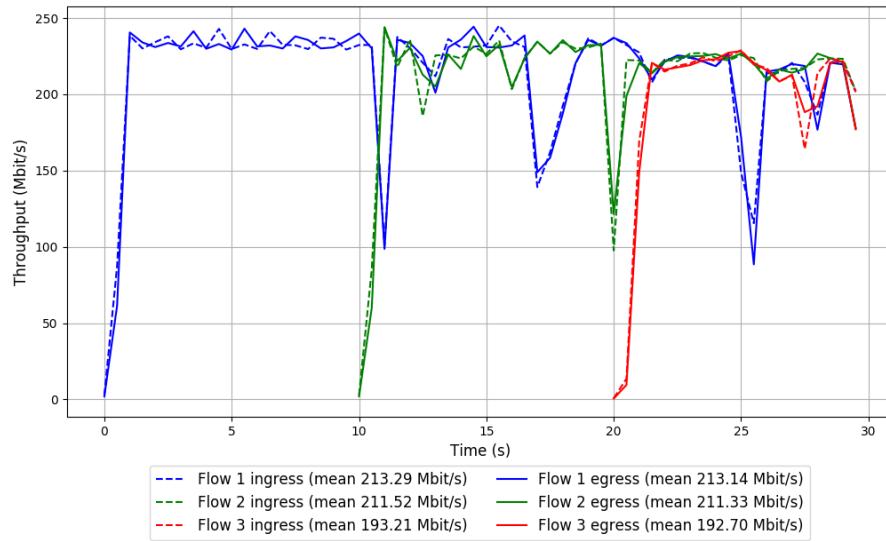
Run 4: Statistics of TCP BBR

Start at: 2018-01-26 16:59:59

End at: 2018-01-26 17:00:30

```
# Below is generated by plot.py at 2018-01-26 21:10:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 417.01 Mbit/s
95th percentile per-packet one-way delay: 64.128 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 213.14 Mbit/s
95th percentile per-packet one-way delay: 62.055 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 211.33 Mbit/s
95th percentile per-packet one-way delay: 63.829 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 192.70 Mbit/s
95th percentile per-packet one-way delay: 67.525 ms
Loss rate: 1.29%
```

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



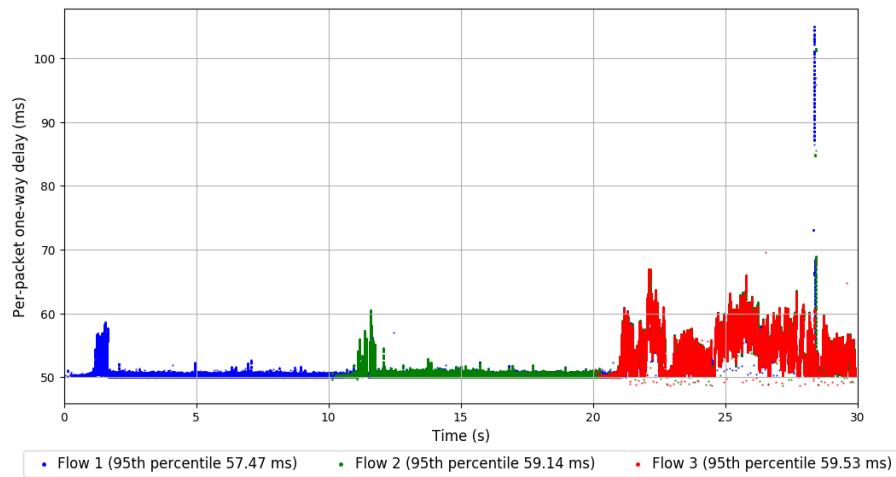
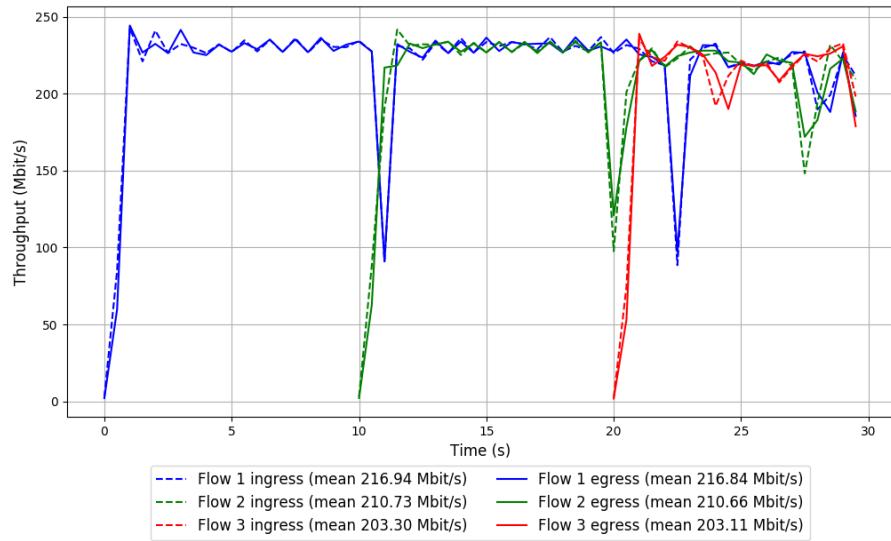
Run 5: Statistics of TCP BBR

Start at: 2018-01-26 17:14:31

End at: 2018-01-26 17:15:01

```
# Below is generated by plot.py at 2018-01-26 21:10:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 423.82 Mbit/s
95th percentile per-packet one-way delay: 58.612 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 216.84 Mbit/s
95th percentile per-packet one-way delay: 57.473 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 210.66 Mbit/s
95th percentile per-packet one-way delay: 59.136 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 203.11 Mbit/s
95th percentile per-packet one-way delay: 59.528 ms
Loss rate: 1.10%
```

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



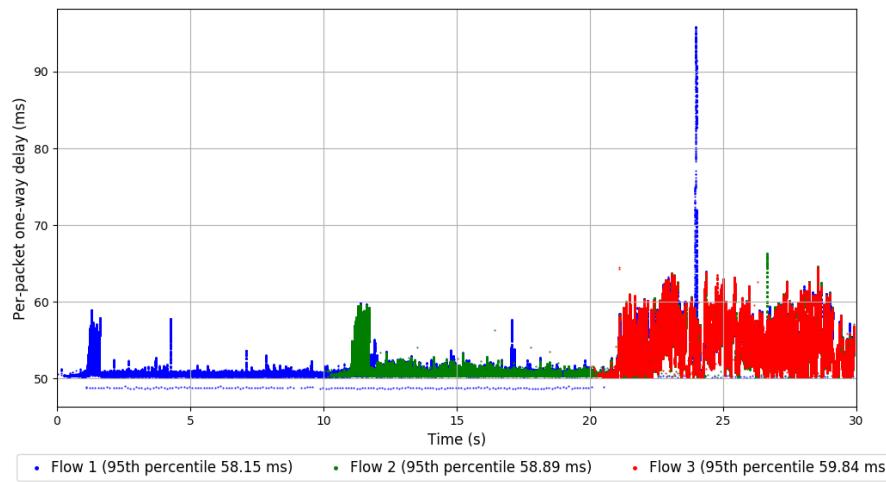
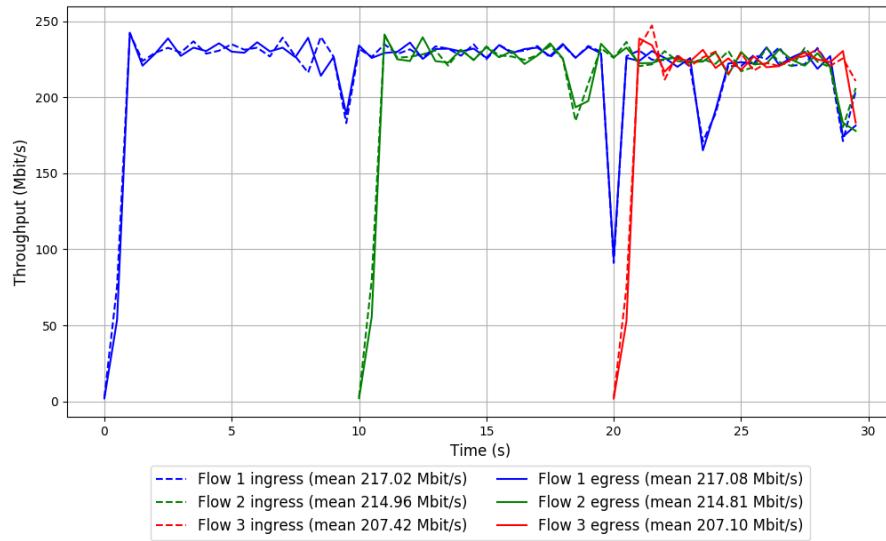
Run 6: Statistics of TCP BBR

Start at: 2018-01-26 17:29:02

End at: 2018-01-26 17:29:32

```
# Below is generated by plot.py at 2018-01-26 21:11:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 428.05 Mbit/s
95th percentile per-packet one-way delay: 58.856 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 217.08 Mbit/s
95th percentile per-packet one-way delay: 58.148 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 214.81 Mbit/s
95th percentile per-packet one-way delay: 58.894 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 207.10 Mbit/s
95th percentile per-packet one-way delay: 59.836 ms
Loss rate: 1.19%
```

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



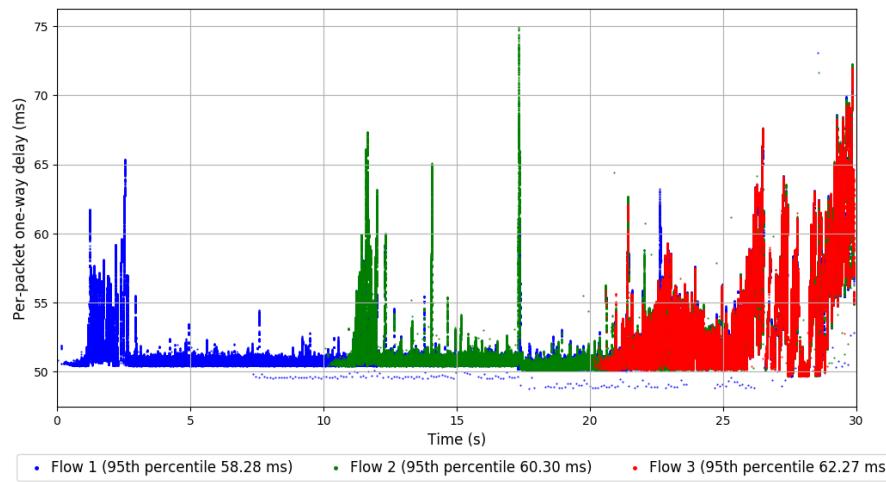
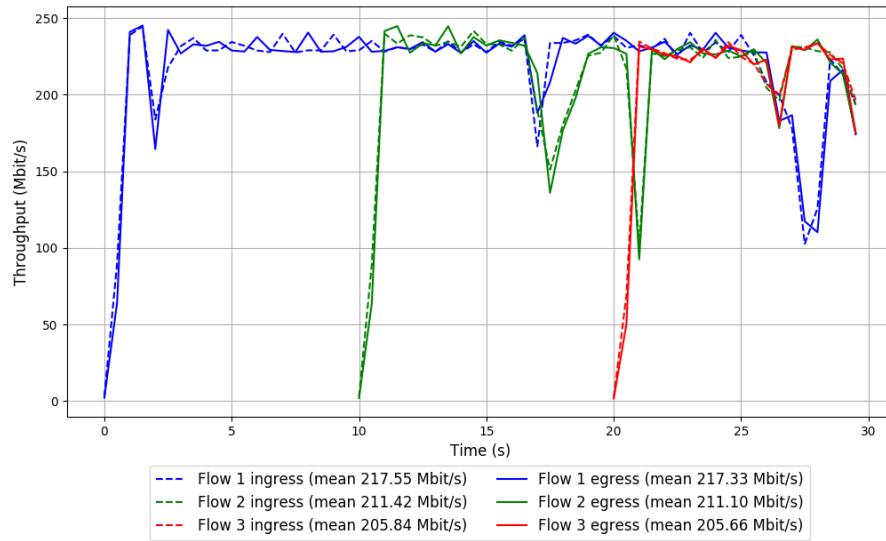
Run 7: Statistics of TCP BBR

Start at: 2018-01-26 17:43:15

End at: 2018-01-26 17:43:45

```
# Below is generated by plot.py at 2018-01-26 21:11:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 425.19 Mbit/s
95th percentile per-packet one-way delay: 59.960 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 217.33 Mbit/s
95th percentile per-packet one-way delay: 58.285 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 211.10 Mbit/s
95th percentile per-packet one-way delay: 60.296 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 205.66 Mbit/s
95th percentile per-packet one-way delay: 62.269 ms
Loss rate: 1.12%
```

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



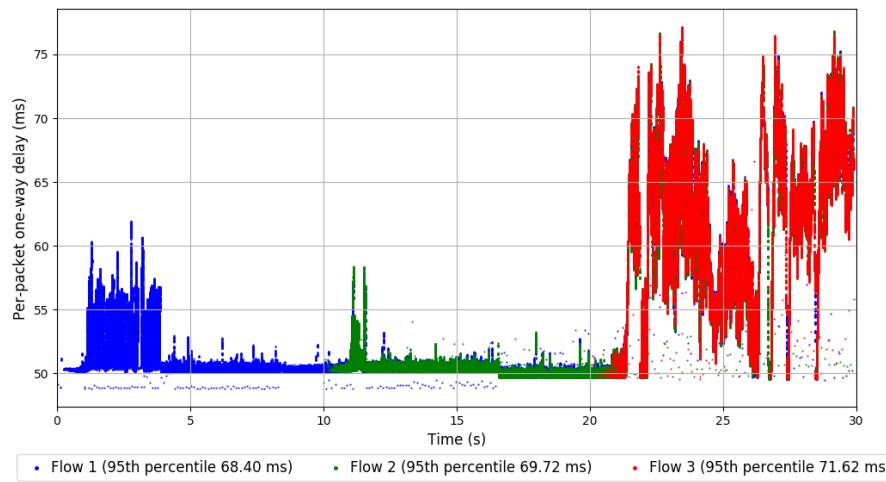
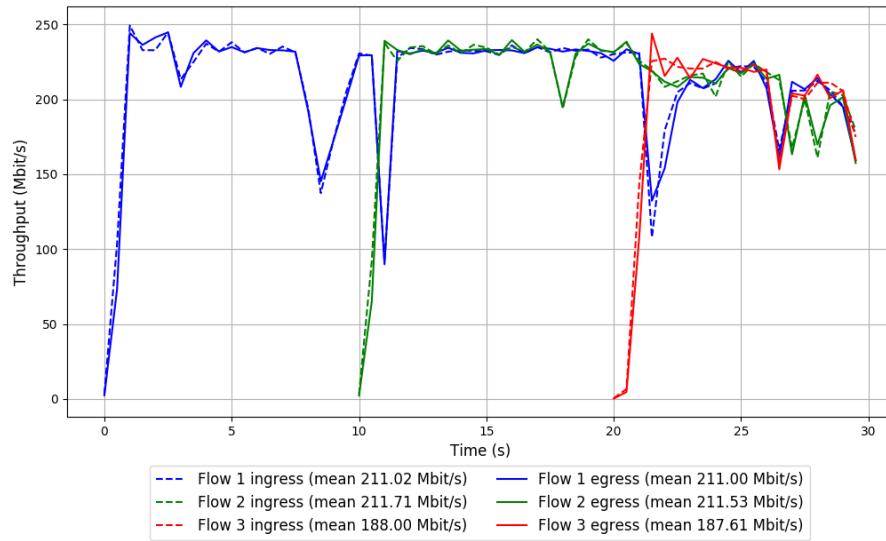
```
Run 8: Statistics of TCP BBR
```

```
Start at: 2018-01-26 17:57:36
```

```
End at: 2018-01-26 17:58:06
```

```
# Below is generated by plot.py at 2018-01-26 21:11:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 413.37 Mbit/s
95th percentile per-packet one-way delay: 69.802 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 211.00 Mbit/s
95th percentile per-packet one-way delay: 68.402 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 211.53 Mbit/s
95th percentile per-packet one-way delay: 69.725 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 187.61 Mbit/s
95th percentile per-packet one-way delay: 71.624 ms
Loss rate: 1.22%
```

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



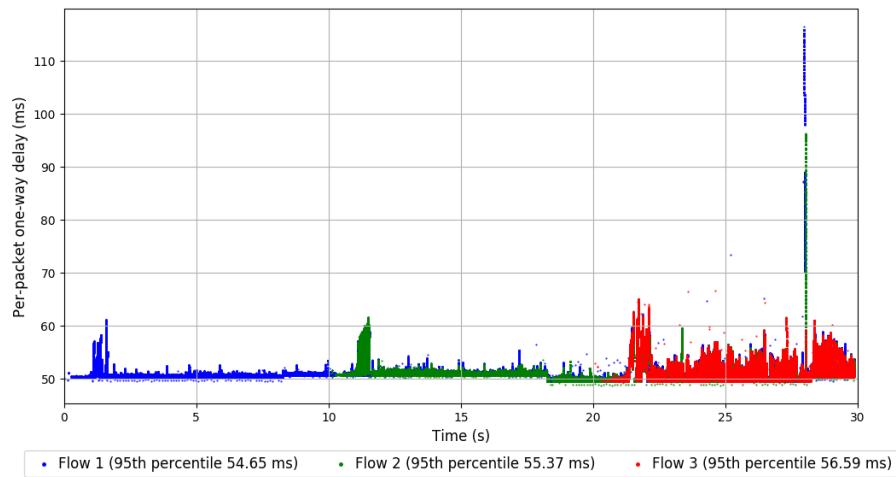
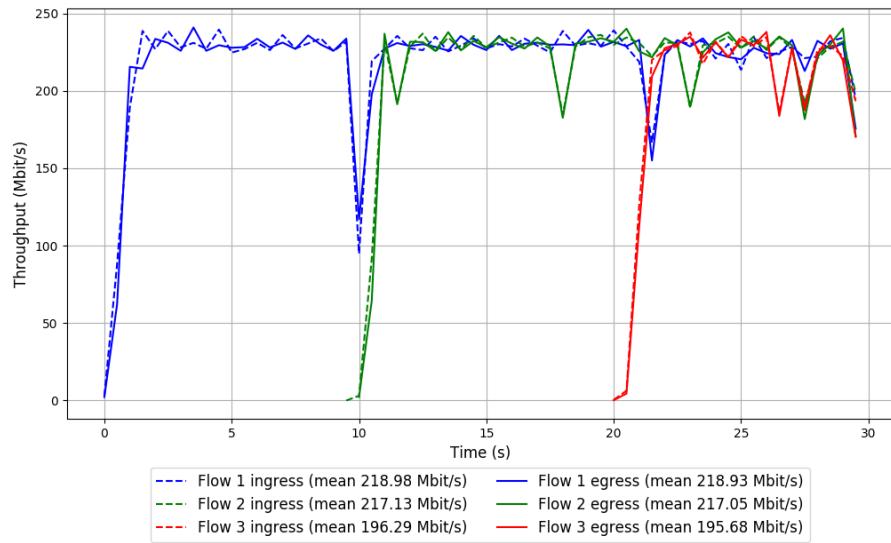
Run 9: Statistics of TCP BBR

Start at: 2018-01-26 18:12:04

End at: 2018-01-26 18:12:34

```
# Below is generated by plot.py at 2018-01-26 21:18:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 427.64 Mbit/s
95th percentile per-packet one-way delay: 55.387 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 218.93 Mbit/s
95th percentile per-packet one-way delay: 54.648 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 217.05 Mbit/s
95th percentile per-packet one-way delay: 55.365 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 195.68 Mbit/s
95th percentile per-packet one-way delay: 56.595 ms
Loss rate: 1.21%
```

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



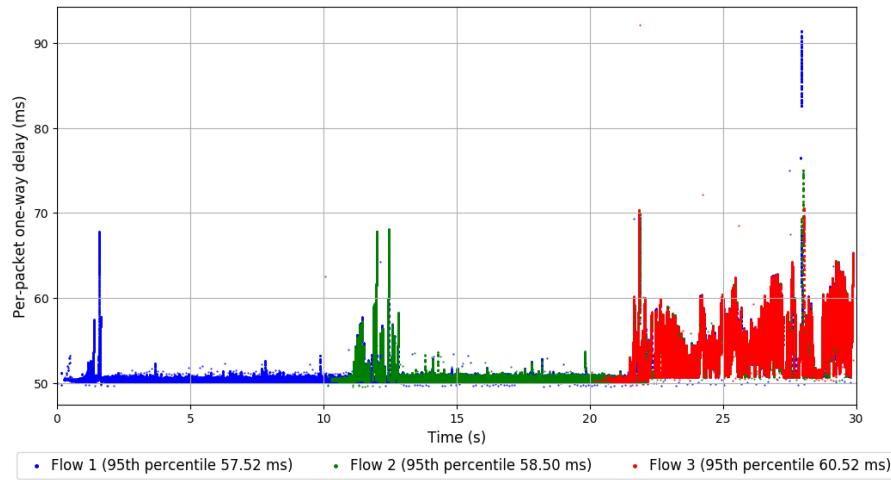
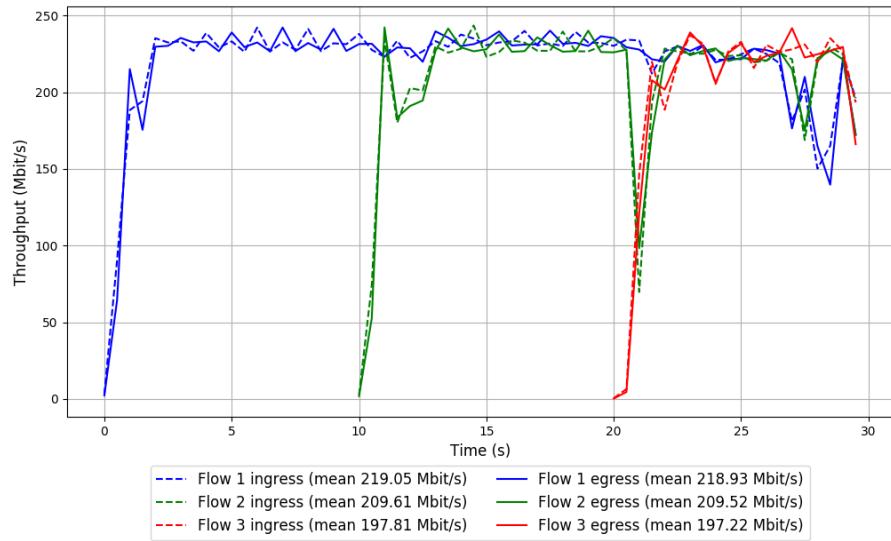
Run 10: Statistics of TCP BBR

Start at: 2018-01-26 18:26:30

End at: 2018-01-26 18:27:00

```
# Below is generated by plot.py at 2018-01-26 21:18:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 422.86 Mbit/s
95th percentile per-packet one-way delay: 58.618 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 218.93 Mbit/s
95th percentile per-packet one-way delay: 57.525 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 209.52 Mbit/s
95th percentile per-packet one-way delay: 58.501 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 197.22 Mbit/s
95th percentile per-packet one-way delay: 60.519 ms
Loss rate: 1.33%
```

Run 10: Report of TCP BBR — Data Link

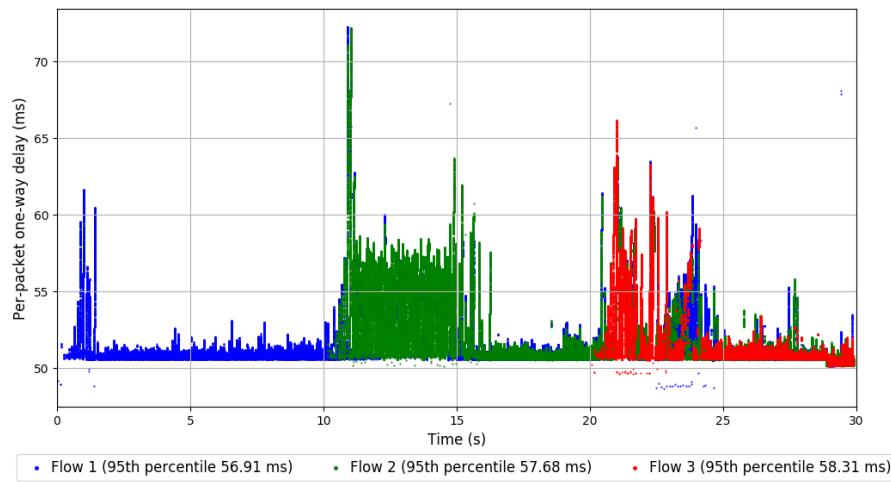
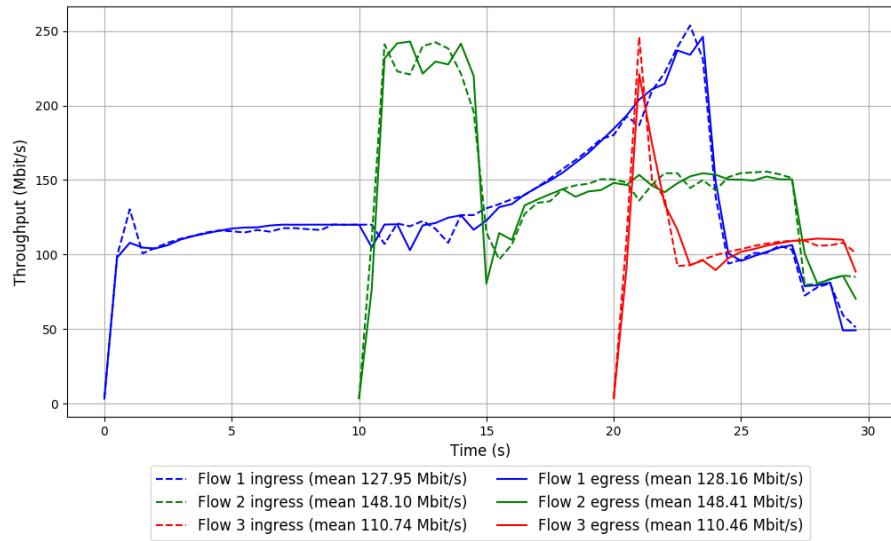


```
Run 1: Statistics of TCP Cubic

Start at: 2018-01-26 16:19:33
End at: 2018-01-26 16:20:03

# Below is generated by plot.py at 2018-01-26 21:18:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 263.17 Mbit/s
95th percentile per-packet one-way delay: 57.554 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 128.16 Mbit/s
95th percentile per-packet one-way delay: 56.910 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 148.41 Mbit/s
95th percentile per-packet one-way delay: 57.676 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 110.46 Mbit/s
95th percentile per-packet one-way delay: 58.311 ms
Loss rate: 1.02%
```

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



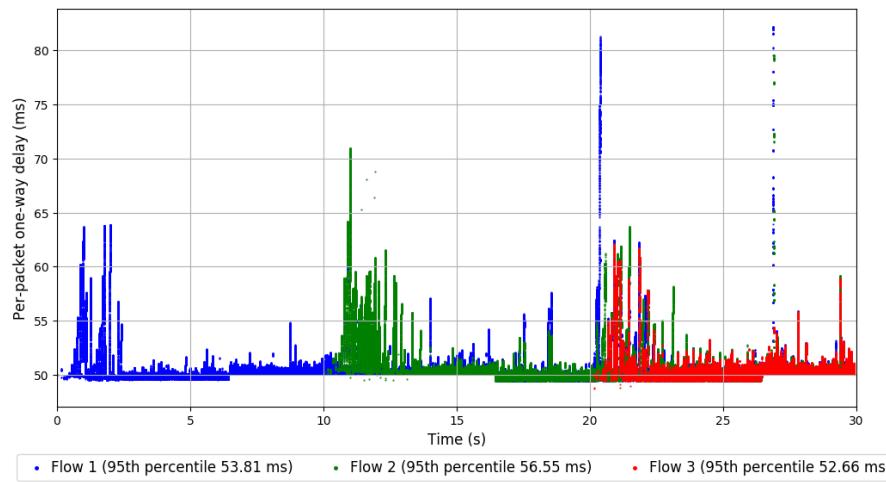
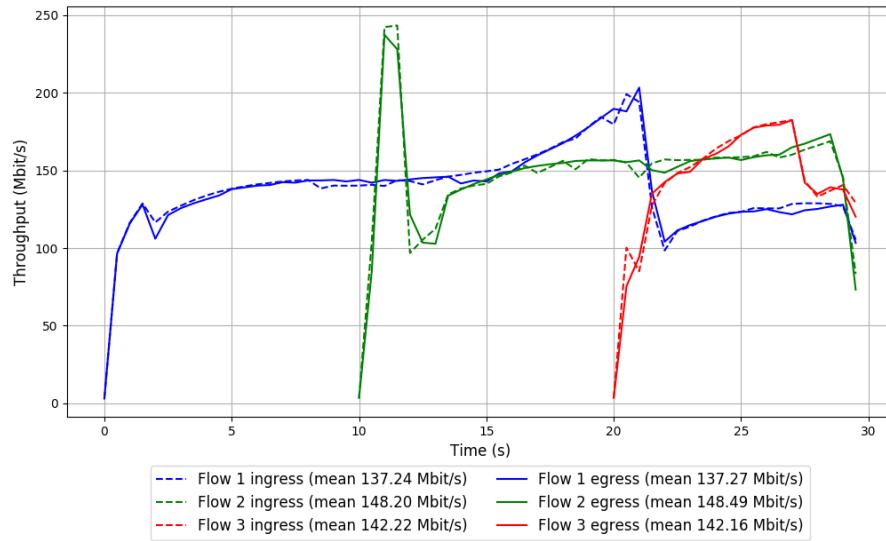
```
Run 2: Statistics of TCP Cubic
```

```
Start at: 2018-01-26 16:33:56
```

```
End at: 2018-01-26 16:34:26
```

```
# Below is generated by plot.py at 2018-01-26 21:18:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 282.77 Mbit/s
95th percentile per-packet one-way delay: 54.797 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 137.27 Mbit/s
95th percentile per-packet one-way delay: 53.814 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 148.49 Mbit/s
95th percentile per-packet one-way delay: 56.551 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 142.16 Mbit/s
95th percentile per-packet one-way delay: 52.658 ms
Loss rate: 1.02%
```

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

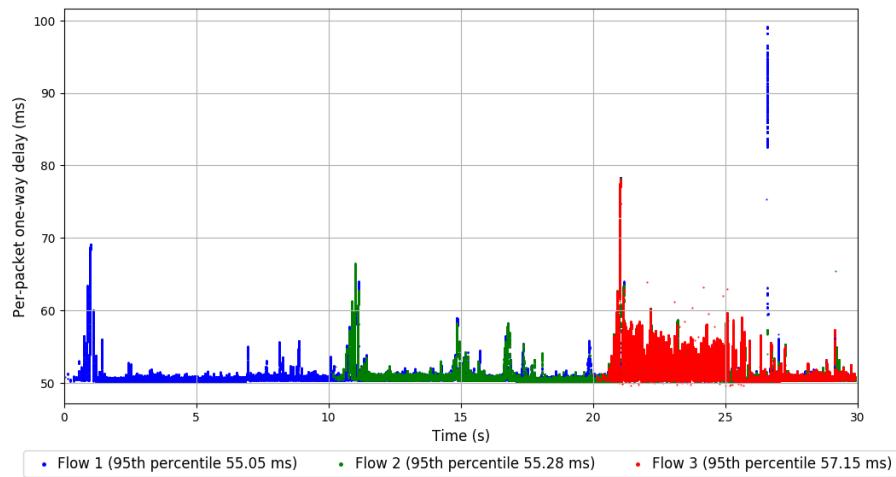
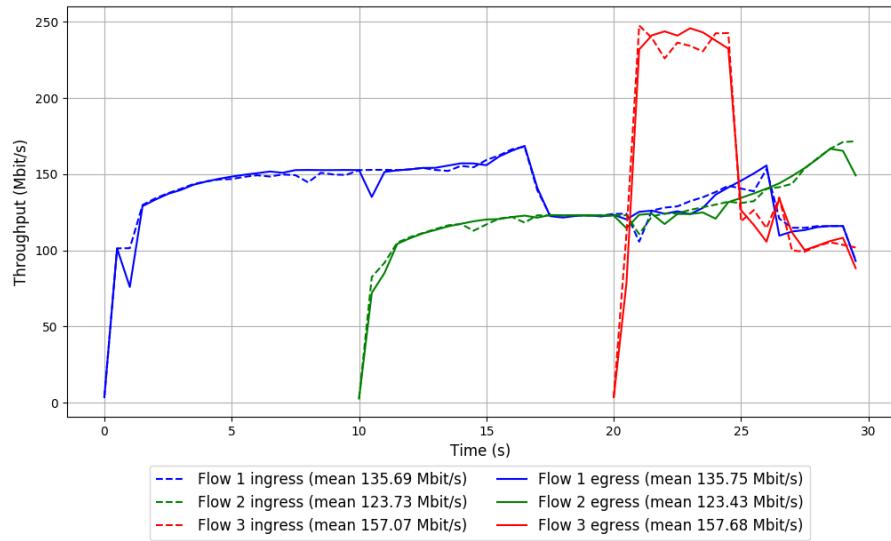


```
Run 3: Statistics of TCP Cubic

Start at: 2018-01-26 16:48:25
End at: 2018-01-26 16:48:55

# Below is generated by plot.py at 2018-01-26 21:18:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 269.57 Mbit/s
95th percentile per-packet one-way delay: 56.290 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 135.75 Mbit/s
95th percentile per-packet one-way delay: 55.050 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 123.43 Mbit/s
95th percentile per-packet one-way delay: 55.276 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 157.68 Mbit/s
95th percentile per-packet one-way delay: 57.149 ms
Loss rate: 0.71%
```

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

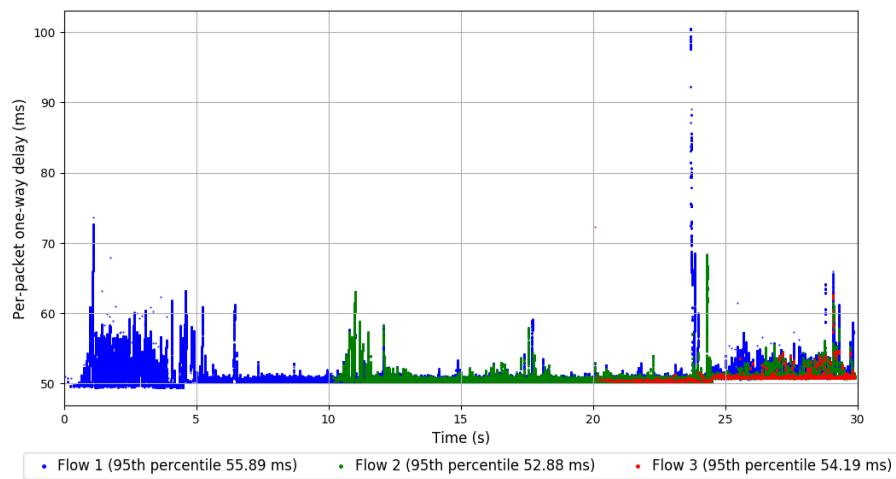
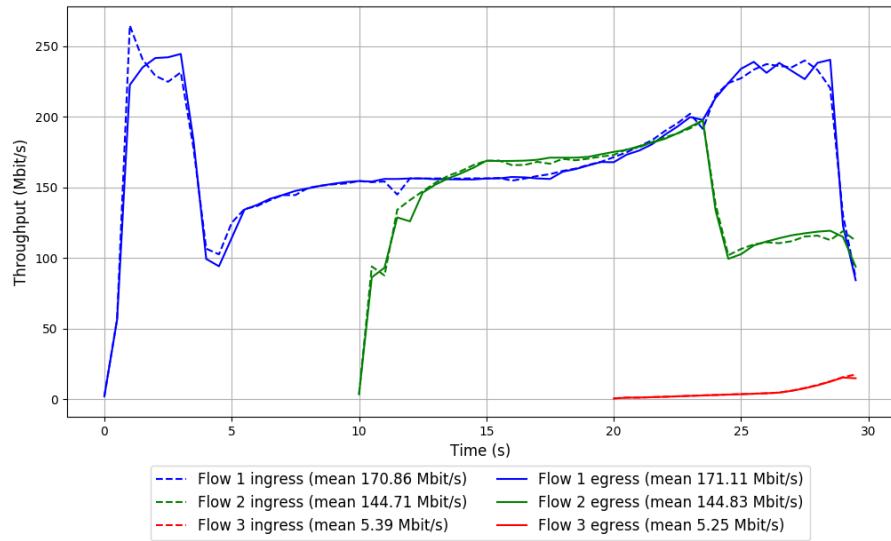


```
Run 4: Statistics of TCP Cubic

Start at: 2018-01-26 17:02:58
End at: 2018-01-26 17:03:28

# Below is generated by plot.py at 2018-01-26 21:18:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 268.94 Mbit/s
95th percentile per-packet one-way delay: 55.123 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 171.11 Mbit/s
95th percentile per-packet one-way delay: 55.890 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 144.83 Mbit/s
95th percentile per-packet one-way delay: 52.883 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 54.186 ms
Loss rate: 3.96%
```

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



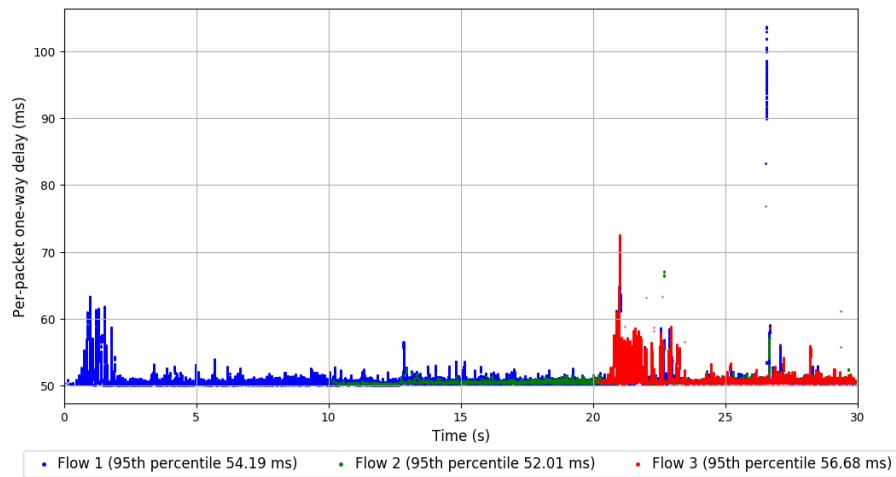
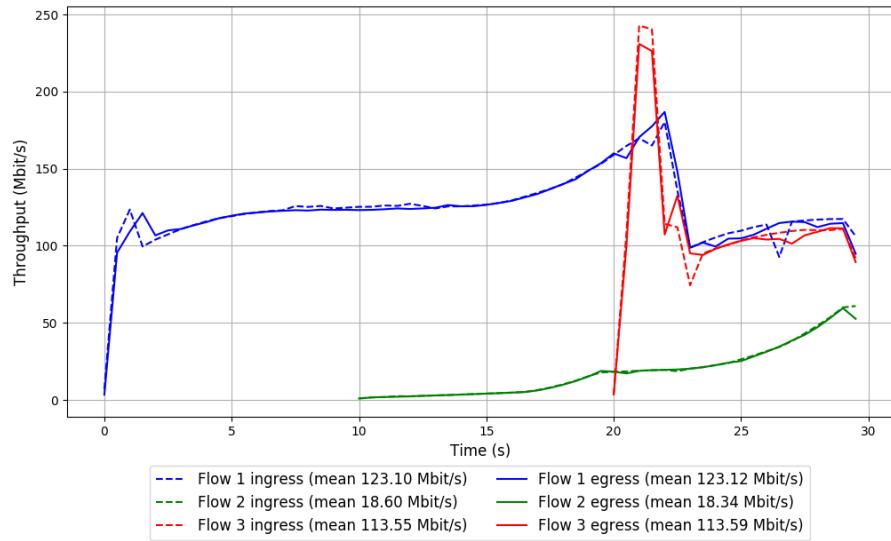
```
Run 5: Statistics of TCP Cubic
```

```
Start at: 2018-01-26 17:17:30
```

```
End at: 2018-01-26 17:18:00
```

```
# Below is generated by plot.py at 2018-01-26 21:18:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 172.74 Mbit/s
95th percentile per-packet one-way delay: 55.525 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 123.12 Mbit/s
95th percentile per-packet one-way delay: 54.188 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 18.34 Mbit/s
95th percentile per-packet one-way delay: 52.013 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 113.59 Mbit/s
95th percentile per-packet one-way delay: 56.679 ms
Loss rate: 0.99%
```

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

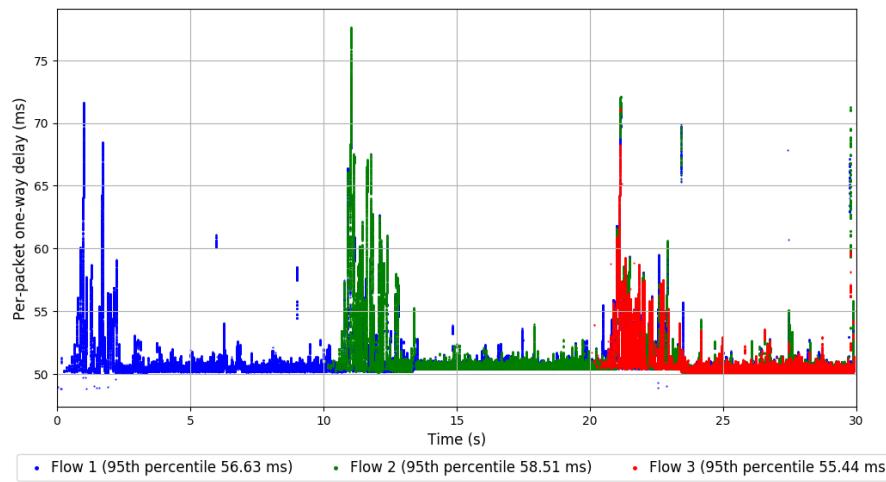
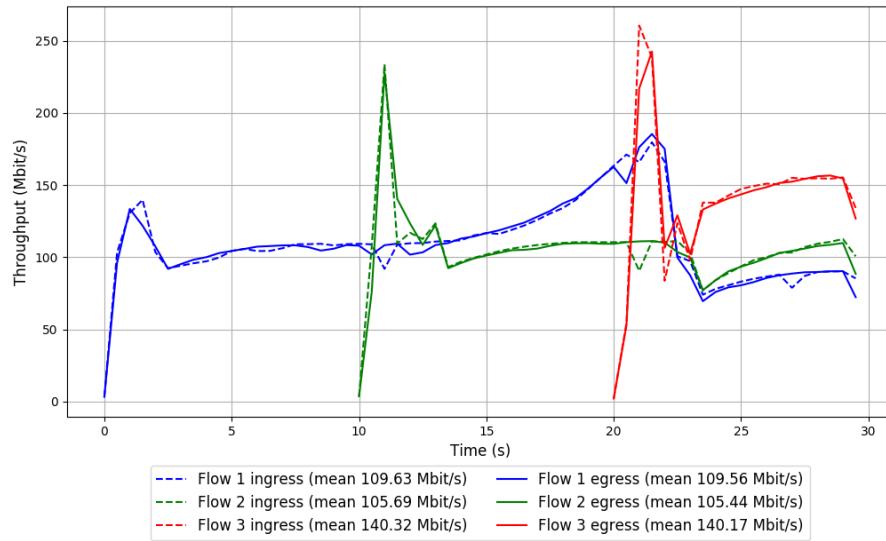


```
Run 6: Statistics of TCP Cubic

Start at: 2018-01-26 17:31:59
End at: 2018-01-26 17:32:29

# Below is generated by plot.py at 2018-01-26 21:18:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 225.64 Mbit/s
95th percentile per-packet one-way delay: 56.950 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 109.56 Mbit/s
95th percentile per-packet one-way delay: 56.626 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 105.44 Mbit/s
95th percentile per-packet one-way delay: 58.508 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 140.17 Mbit/s
95th percentile per-packet one-way delay: 55.439 ms
Loss rate: 1.12%
```

Run 6: Report of TCP Cubic — Data Link



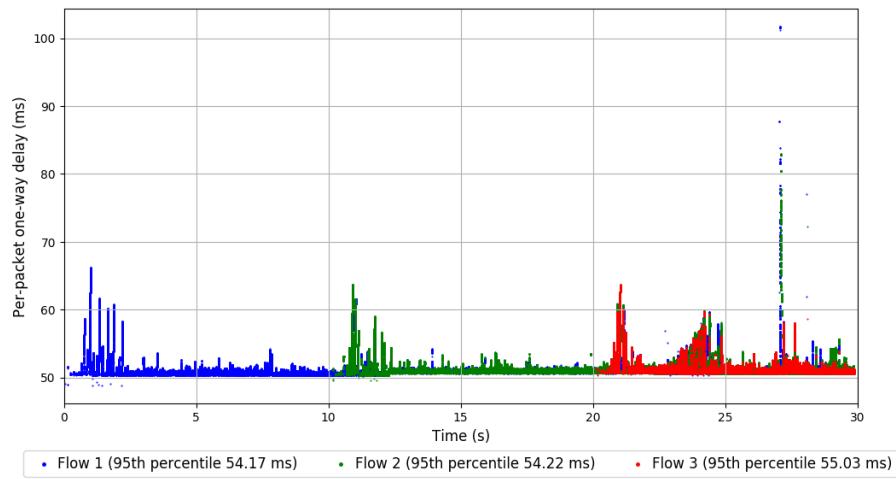
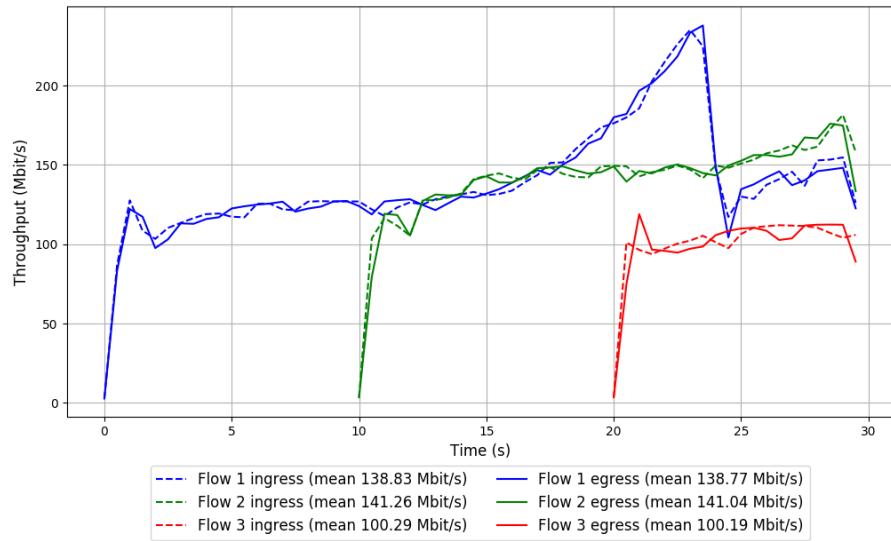
```
Run 7: Statistics of TCP Cubic
```

```
Start at: 2018-01-26 17:46:10
```

```
End at: 2018-01-26 17:46:40
```

```
# Below is generated by plot.py at 2018-01-26 21:19:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 265.38 Mbit/s
95th percentile per-packet one-way delay: 54.311 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 138.77 Mbit/s
95th percentile per-packet one-way delay: 54.170 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 141.04 Mbit/s
95th percentile per-packet one-way delay: 54.224 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 100.19 Mbit/s
95th percentile per-packet one-way delay: 55.028 ms
Loss rate: 1.13%
```

Run 7: Report of TCP Cubic — Data Link



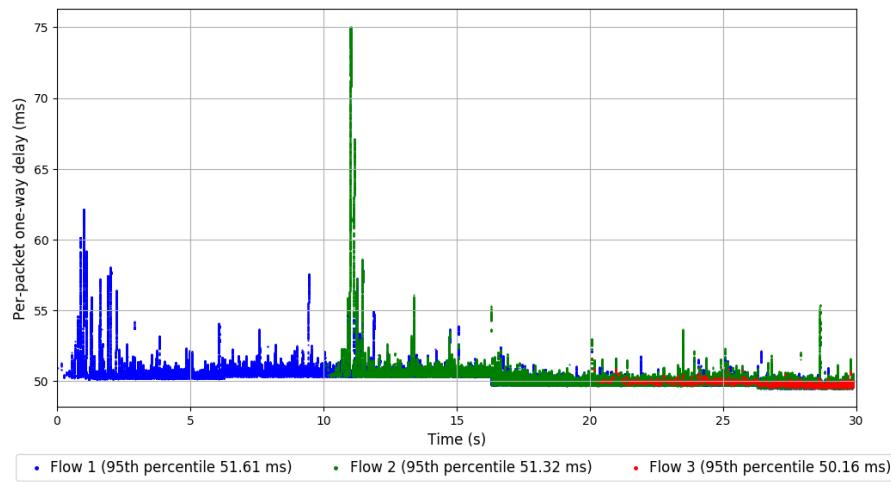
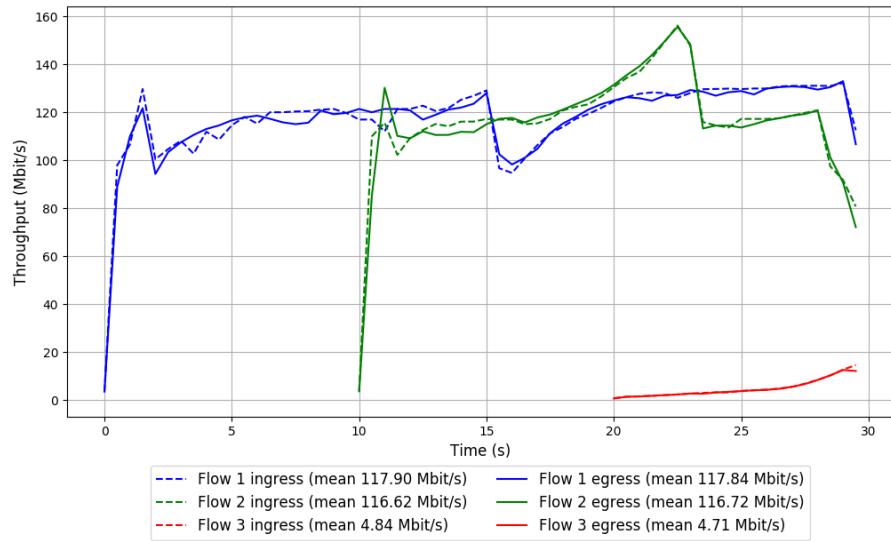
```
Run 8: Statistics of TCP Cubic
```

```
Start at: 2018-01-26 18:00:36
```

```
End at: 2018-01-26 18:01:06
```

```
# Below is generated by plot.py at 2018-01-26 21:19:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 196.87 Mbit/s
95th percentile per-packet one-way delay: 51.492 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 117.84 Mbit/s
95th percentile per-packet one-way delay: 51.614 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 116.72 Mbit/s
95th percentile per-packet one-way delay: 51.319 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 50.157 ms
Loss rate: 3.63%
```

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



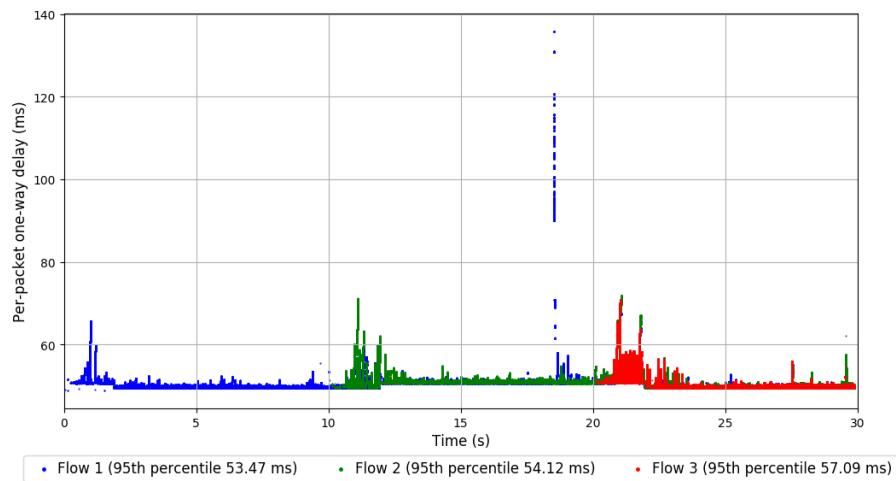
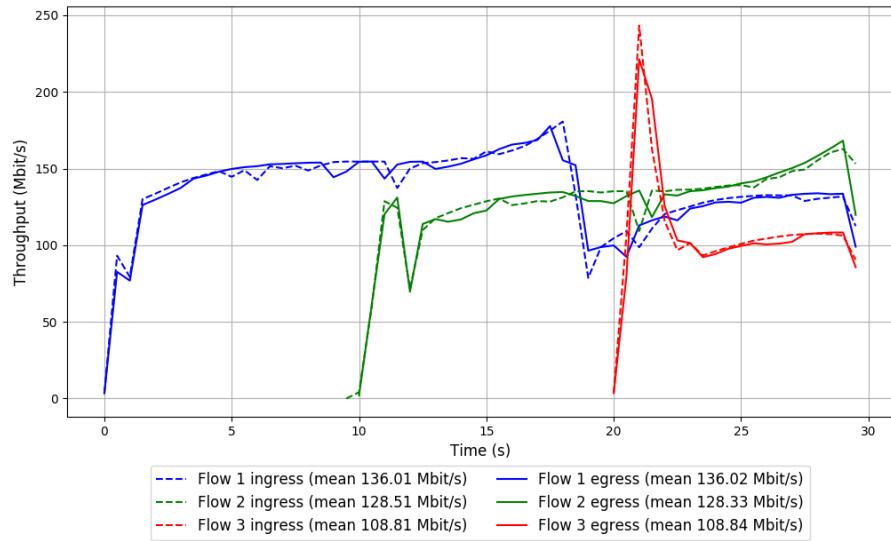
```
Run 9: Statistics of TCP Cubic
```

```
Start at: 2018-01-26 18:15:00
```

```
End at: 2018-01-26 18:15:30
```

```
# Below is generated by plot.py at 2018-01-26 21:20:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 257.16 Mbit/s
95th percentile per-packet one-way delay: 54.750 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 136.02 Mbit/s
95th percentile per-packet one-way delay: 53.466 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 128.33 Mbit/s
95th percentile per-packet one-way delay: 54.119 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 108.84 Mbit/s
95th percentile per-packet one-way delay: 57.089 ms
Loss rate: 1.00%
```

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



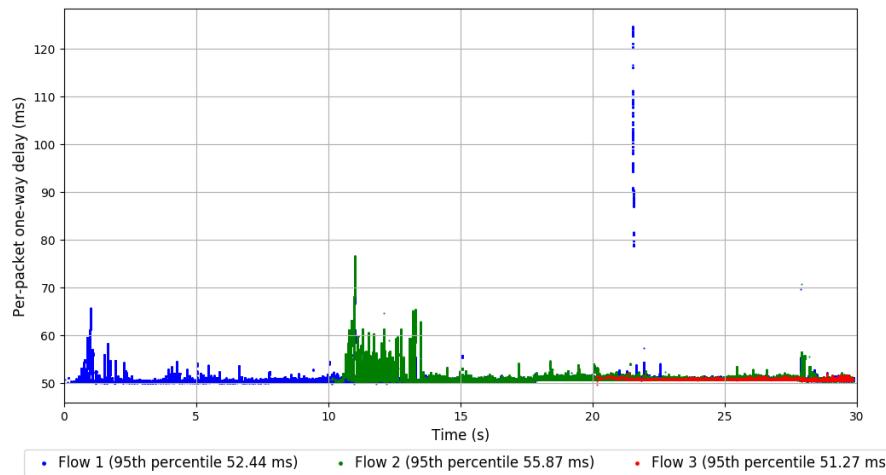
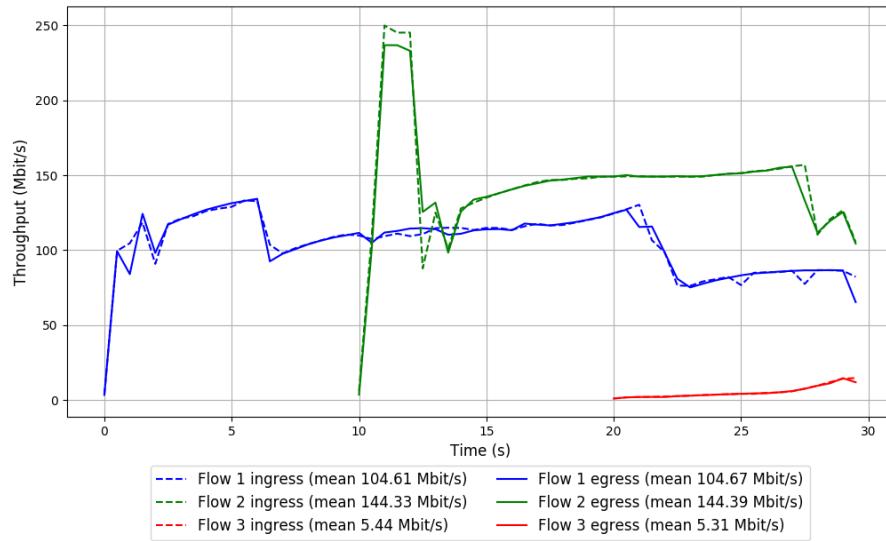
Run 10: Statistics of TCP Cubic

Start at: 2018-01-26 18:29:25

End at: 2018-01-26 18:29:55

```
# Below is generated by plot.py at 2018-01-26 21:20:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 202.32 Mbit/s
95th percentile per-packet one-way delay: 54.441 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 104.67 Mbit/s
95th percentile per-packet one-way delay: 52.439 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 144.39 Mbit/s
95th percentile per-packet one-way delay: 55.874 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 51.273 ms
Loss rate: 3.52%
```

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

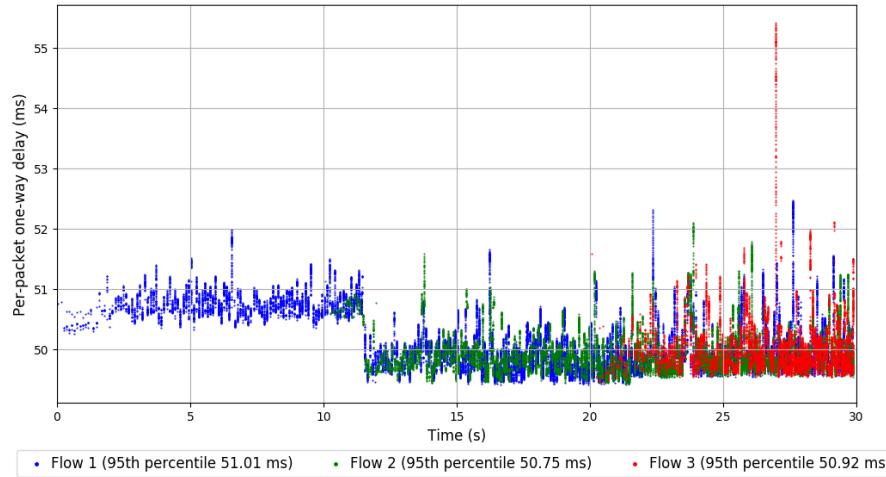
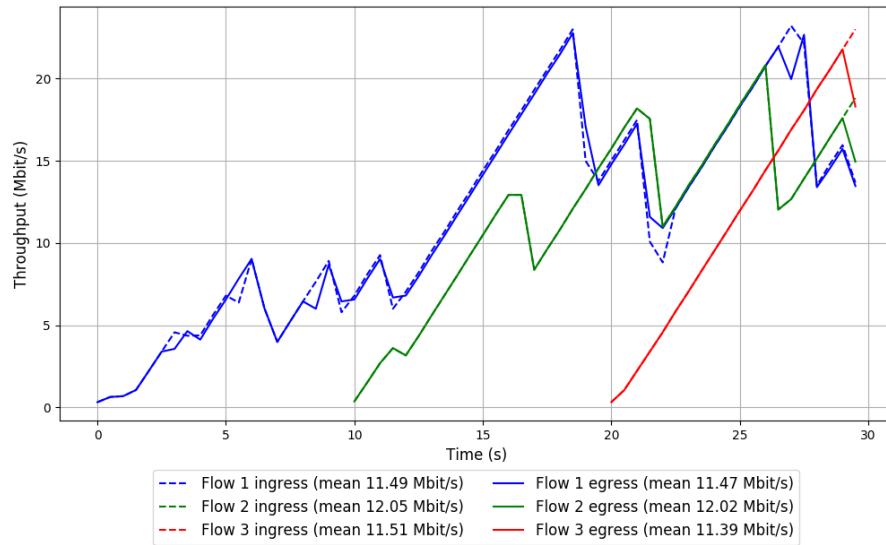


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-26 16:11:41
End at: 2018-01-26 16:12:11

# Below is generated by plot.py at 2018-01-26 21:20:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 50.946 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 11.47 Mbit/s
95th percentile per-packet one-way delay: 51.007 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 50.749 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 50.921 ms
Loss rate: 2.06%
```

Run 1: Report of LEDBAT — Data Link



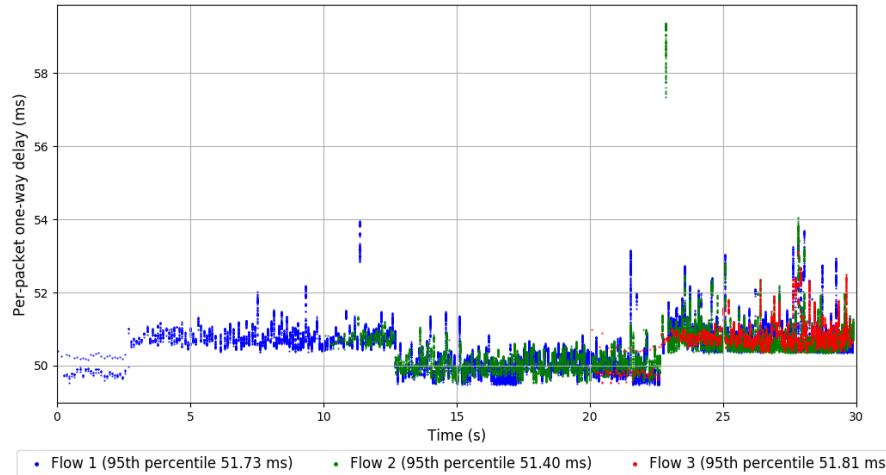
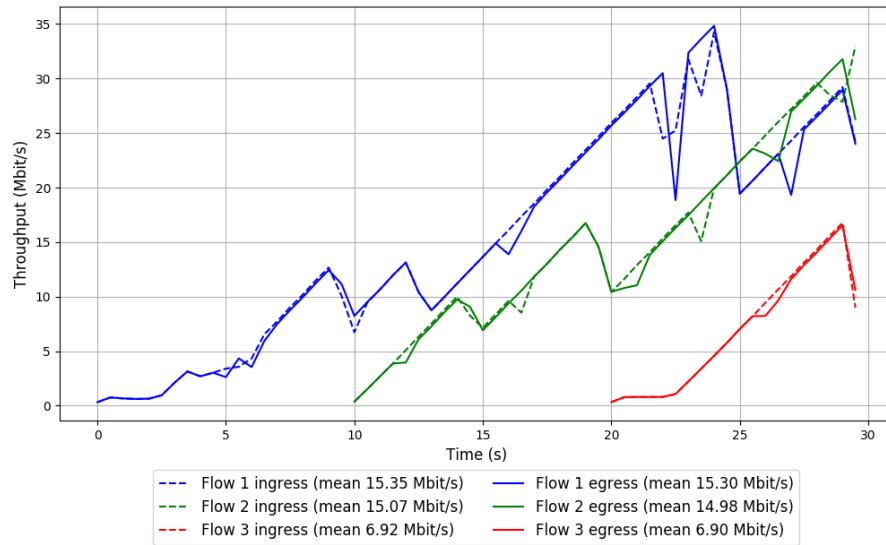
```
Run 2: Statistics of LEDBAT
```

```
Start at: 2018-01-26 16:26:10
```

```
End at: 2018-01-26 16:26:40
```

```
# Below is generated by plot.py at 2018-01-26 21:20:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 51.630 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 15.30 Mbit/s
95th percentile per-packet one-way delay: 51.725 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 14.98 Mbit/s
95th percentile per-packet one-way delay: 51.399 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 51.811 ms
Loss rate: 1.35%
```

## Run 2: Report of LEDBAT — Data Link



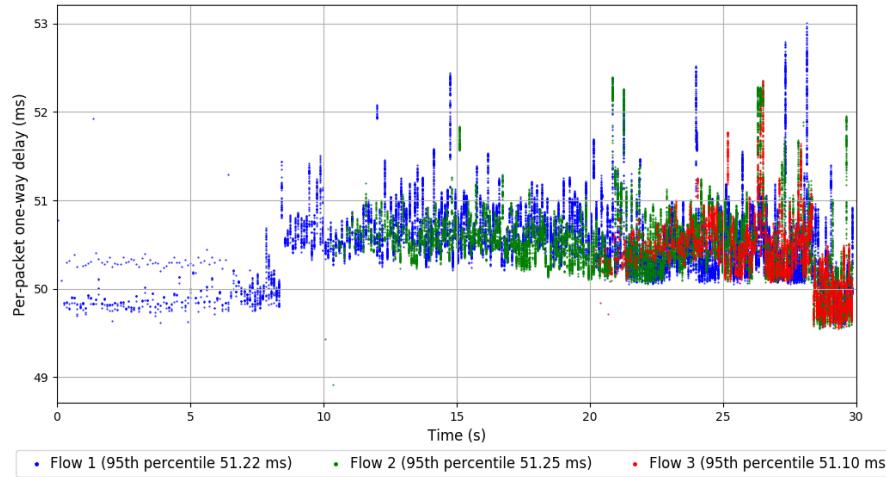
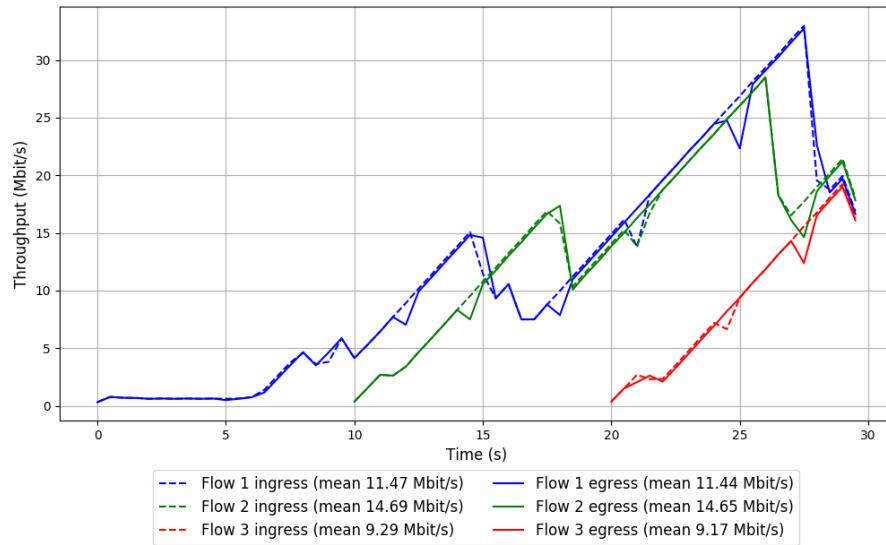
Run 3: Statistics of LEDBAT

Start at: 2018-01-26 16:40:34

End at: 2018-01-26 16:41:04

```
# Below is generated by plot.py at 2018-01-26 21:20:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 51.218 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 11.44 Mbit/s
95th percentile per-packet one-way delay: 51.222 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 14.65 Mbit/s
95th percentile per-packet one-way delay: 51.251 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 51.103 ms
Loss rate: 2.27%
```

Run 3: Report of LEDBAT — Data Link



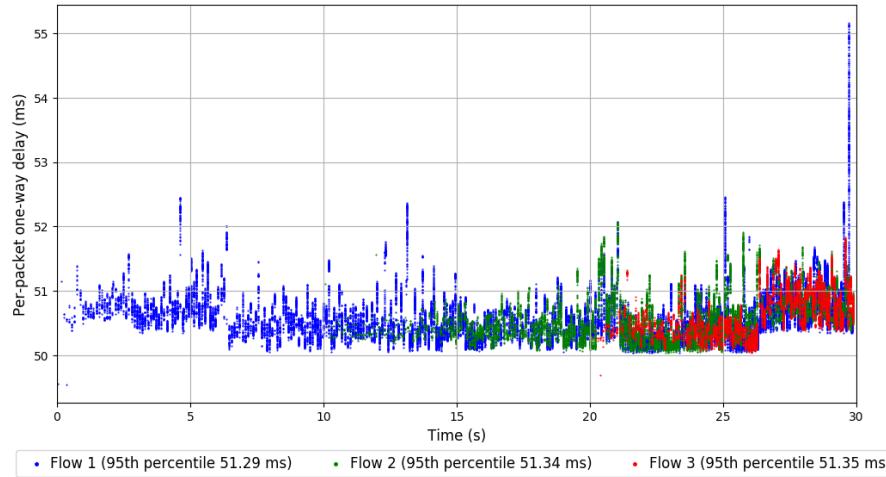
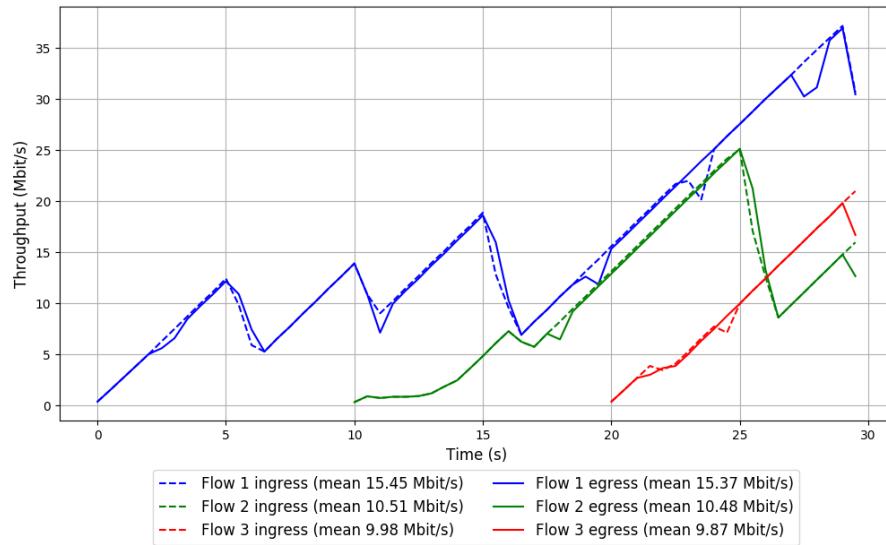
```
Run 4: Statistics of LEDBAT
```

```
Start at: 2018-01-26 16:55:06
```

```
End at: 2018-01-26 16:55:36
```

```
# Below is generated by plot.py at 2018-01-26 21:20:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.55 Mbit/s
95th percentile per-packet one-way delay: 51.320 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 15.37 Mbit/s
95th percentile per-packet one-way delay: 51.288 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 10.48 Mbit/s
95th percentile per-packet one-way delay: 51.340 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 9.87 Mbit/s
95th percentile per-packet one-way delay: 51.353 ms
Loss rate: 2.17%
```

Run 4: Report of LEDBAT — Data Link



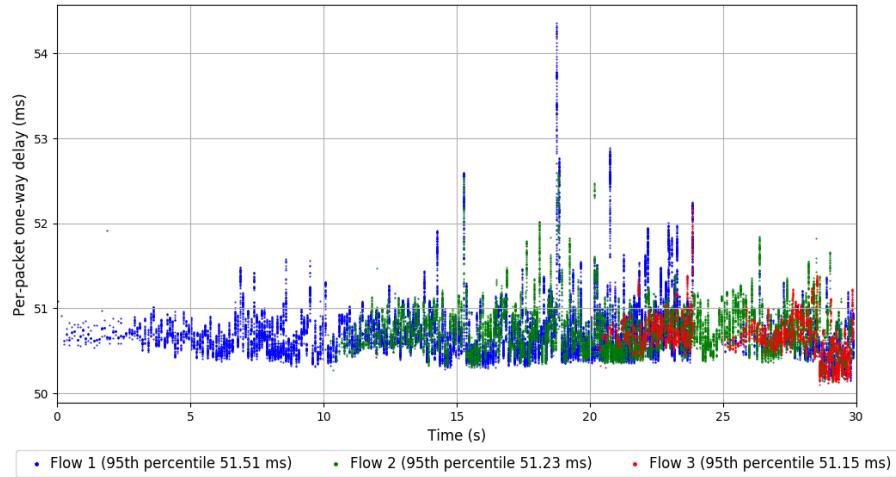
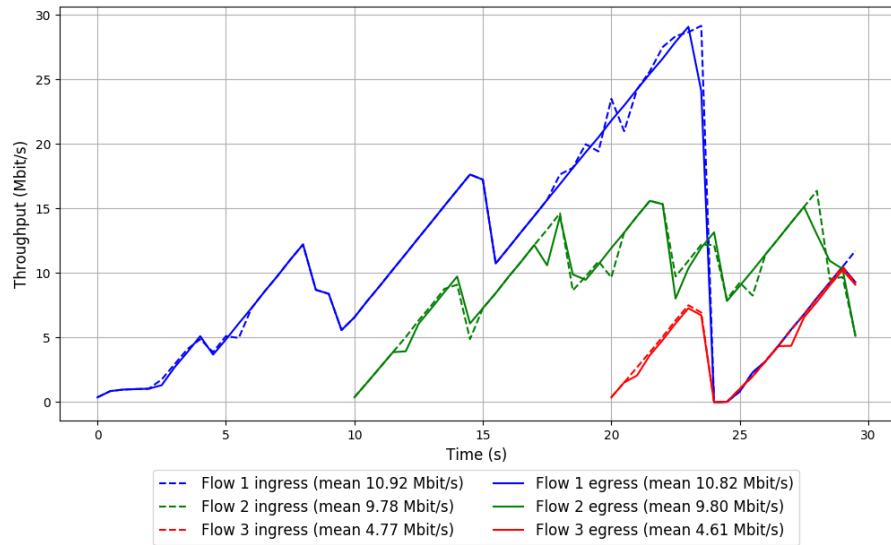
```
Run 5: Statistics of LEDBAT
```

```
Start at: 2018-01-26 17:09:44
```

```
End at: 2018-01-26 17:10:14
```

```
# Below is generated by plot.py at 2018-01-26 21:20:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.82 Mbit/s
95th percentile per-packet one-way delay: 51.358 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 10.82 Mbit/s
95th percentile per-packet one-way delay: 51.505 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 51.229 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 4.61 Mbit/s
95th percentile per-packet one-way delay: 51.146 ms
Loss rate: 4.45%
```

Run 5: Report of LEDBAT — Data Link



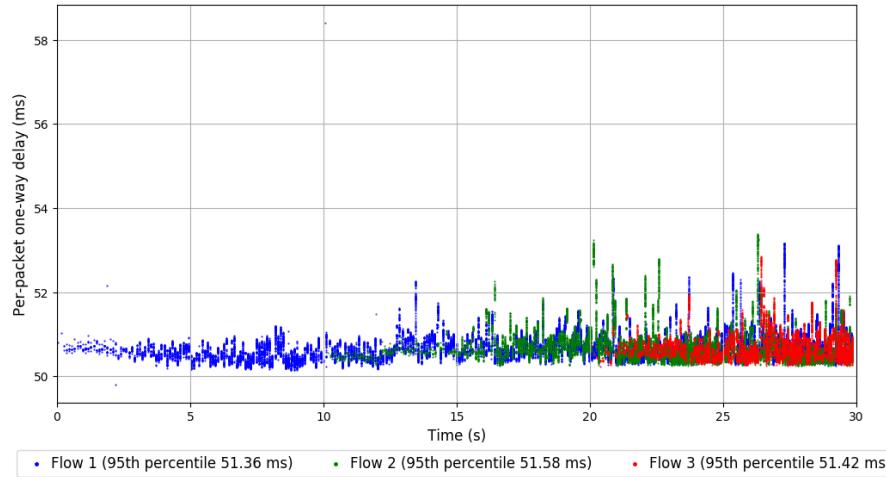
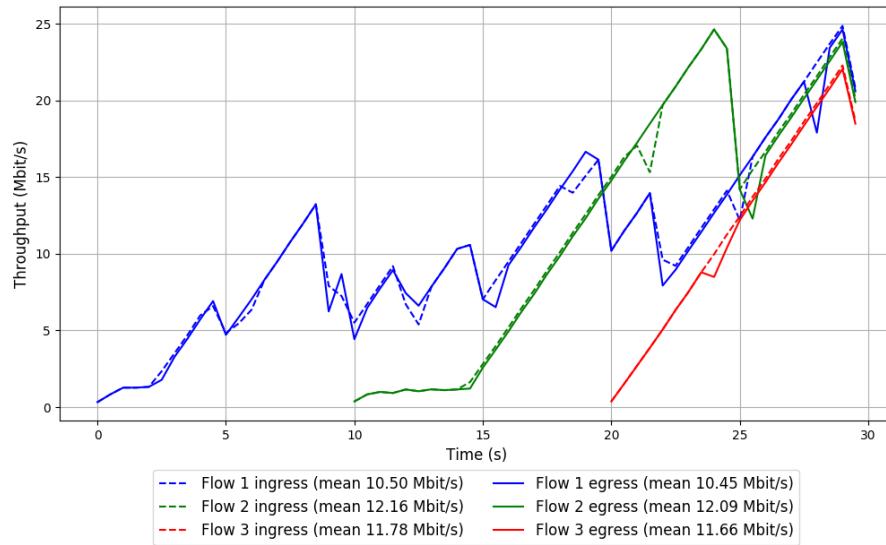
```
Run 6: Statistics of LEDBAT
```

```
Start at: 2018-01-26 17:24:10
```

```
End at: 2018-01-26 17:24:40
```

```
# Below is generated by plot.py at 2018-01-26 21:20:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.29 Mbit/s
95th percentile per-packet one-way delay: 51.468 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 10.45 Mbit/s
95th percentile per-packet one-way delay: 51.363 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 51.575 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 51.424 ms
Loss rate: 2.04%
```

Run 6: Report of LEDBAT — Data Link



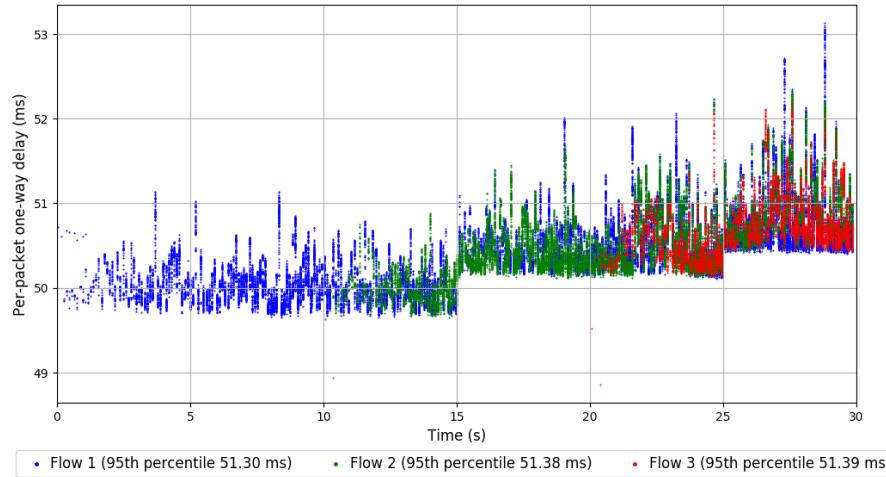
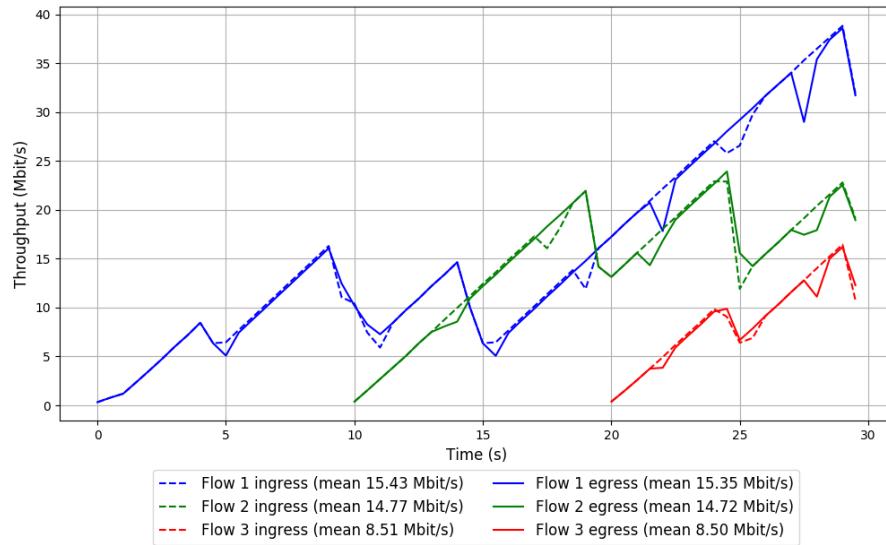
Run 7: Statistics of LEDBAT

Start at: 2018-01-26 17:38:37

End at: 2018-01-26 17:39:07

```
# Below is generated by plot.py at 2018-01-26 21:20:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.91 Mbit/s
95th percentile per-packet one-way delay: 51.347 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 15.35 Mbit/s
95th percentile per-packet one-way delay: 51.299 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 14.72 Mbit/s
95th percentile per-packet one-way delay: 51.378 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 51.390 ms
Loss rate: 1.12%
```

## Run 7: Report of LEDBAT — Data Link



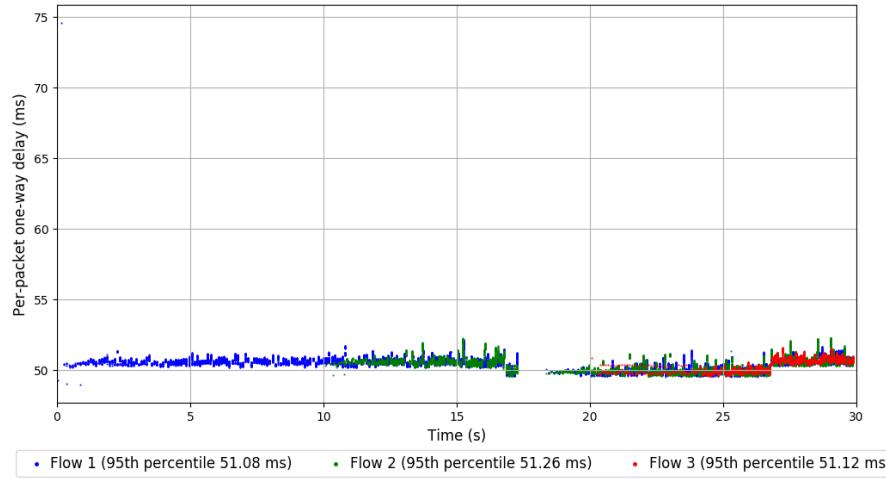
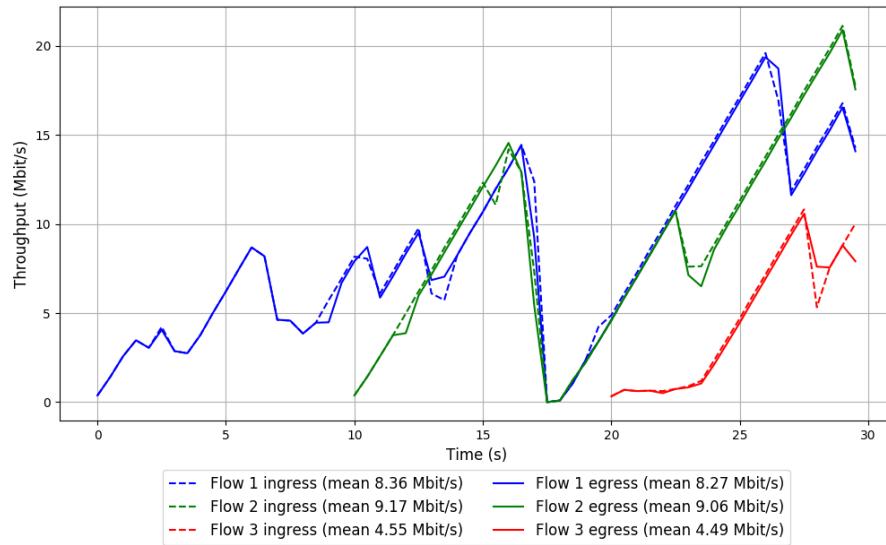
Run 8: Statistics of LEDBAT

Start at: 2018-01-26 17:52:46

End at: 2018-01-26 17:53:16

```
# Below is generated by plot.py at 2018-01-26 21:20:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 51.119 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 51.076 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 51.264 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 51.119 ms
Loss rate: 2.35%
```

Run 8: Report of LEDBAT — Data Link



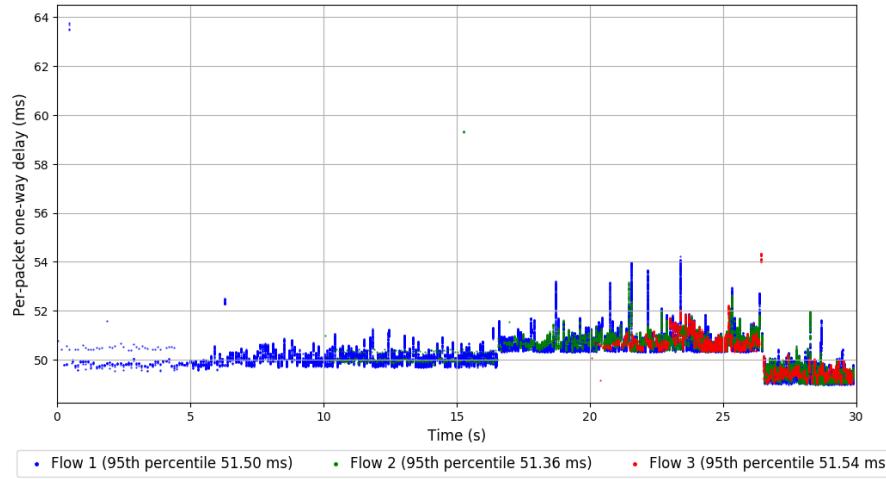
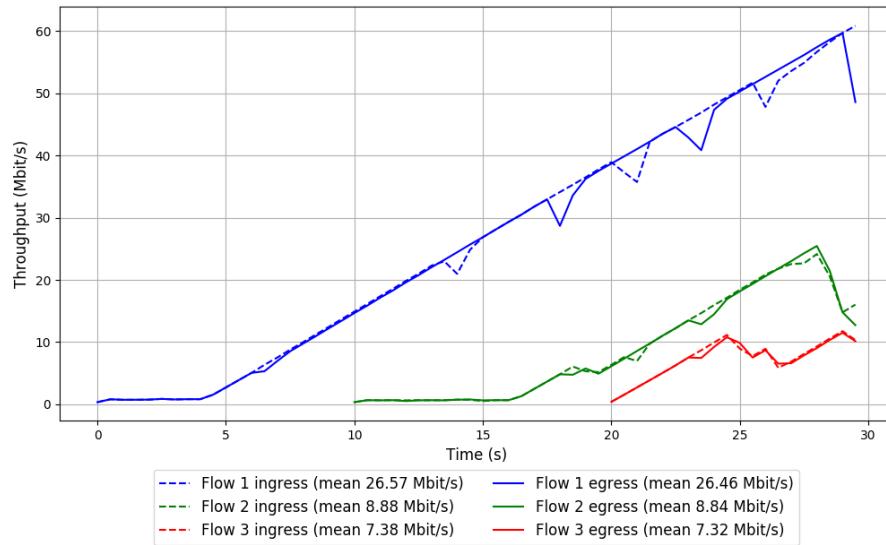
Run 9: Statistics of LEDBAT

Start at: 2018-01-26 18:07:16

End at: 2018-01-26 18:07:46

```
# Below is generated by plot.py at 2018-01-26 21:20:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.72 Mbit/s
95th percentile per-packet one-way delay: 51.479 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 26.46 Mbit/s
95th percentile per-packet one-way delay: 51.496 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 8.84 Mbit/s
95th percentile per-packet one-way delay: 51.364 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 51.538 ms
Loss rate: 1.82%
```

## Run 9: Report of LEDBAT — Data Link



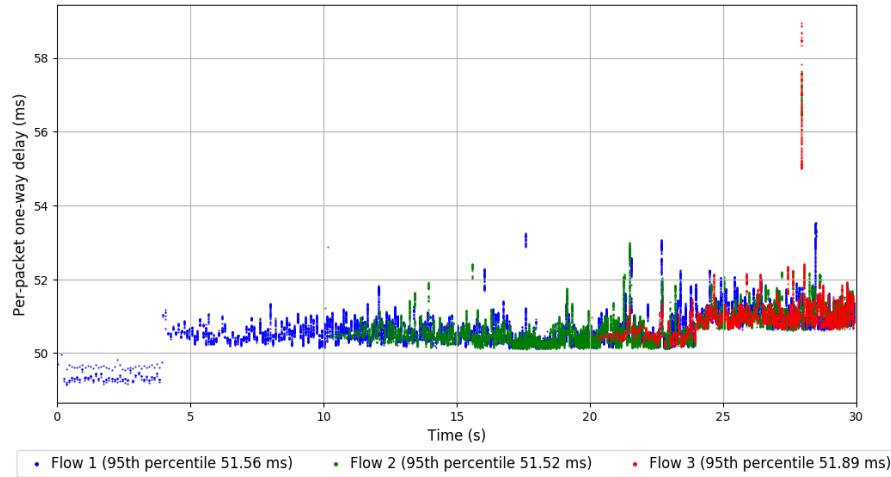
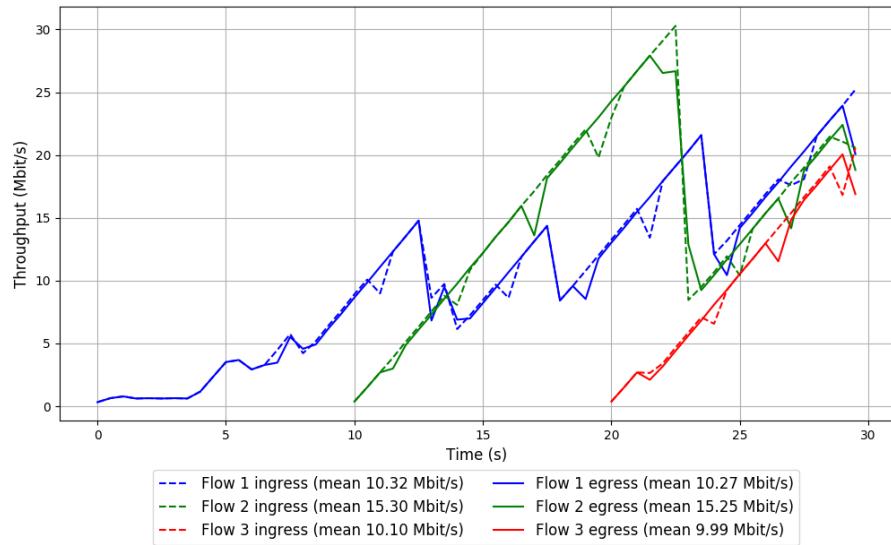
Run 10: Statistics of LEDBAT

Start at: 2018-01-26 18:21:38

End at: 2018-01-26 18:22:08

```
# Below is generated by plot.py at 2018-01-26 21:20:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.66 Mbit/s
95th percentile per-packet one-way delay: 51.588 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 51.564 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 15.25 Mbit/s
95th percentile per-packet one-way delay: 51.522 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 9.99 Mbit/s
95th percentile per-packet one-way delay: 51.889 ms
Loss rate: 2.18%
```

## Run 10: Report of LEDBAT — Data Link

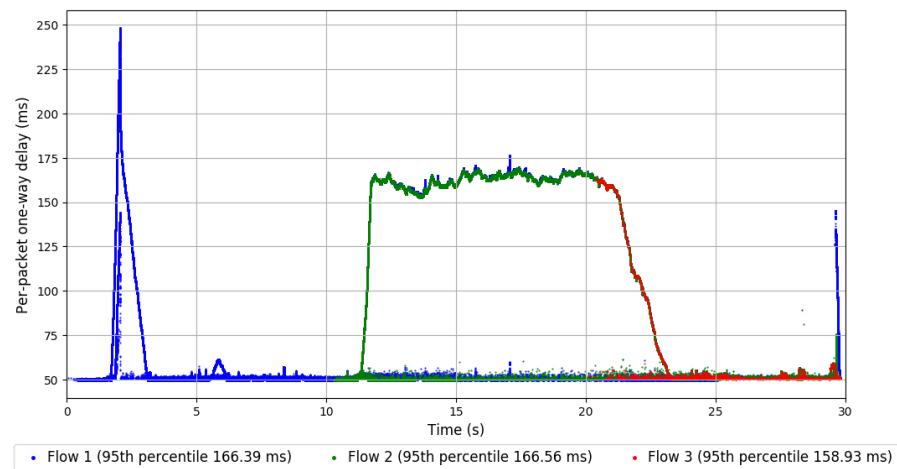
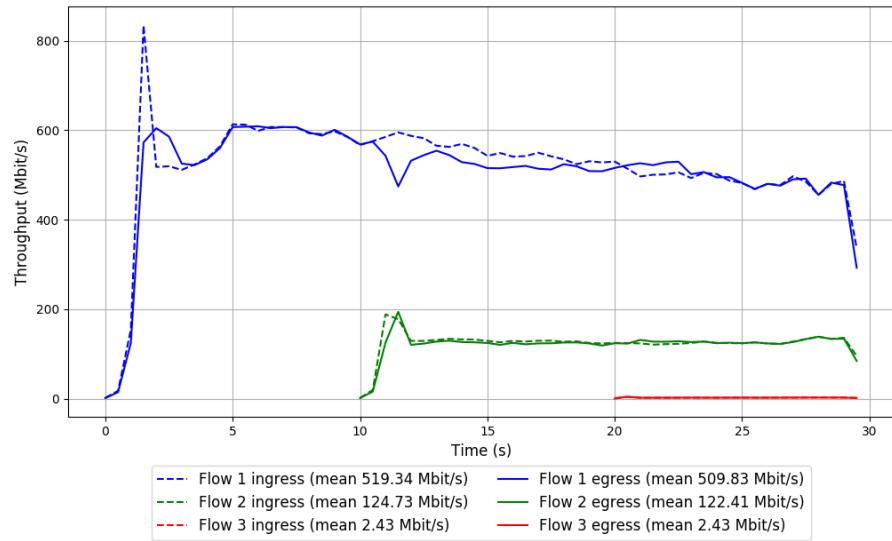


```
Run 1: Statistics of PCC

Start at: 2018-01-26 16:24:27
End at: 2018-01-26 16:24:57

# Below is generated by plot.py at 2018-01-26 21:28:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 591.86 Mbit/s
95th percentile per-packet one-way delay: 166.427 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 509.83 Mbit/s
95th percentile per-packet one-way delay: 166.386 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 122.41 Mbit/s
95th percentile per-packet one-way delay: 166.564 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 158.929 ms
Loss rate: 1.10%
```

## Run 1: Report of PCC — Data Link



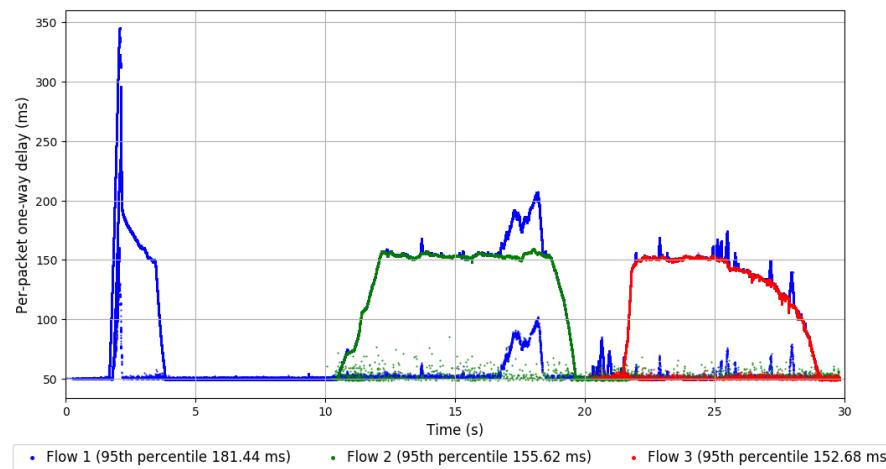
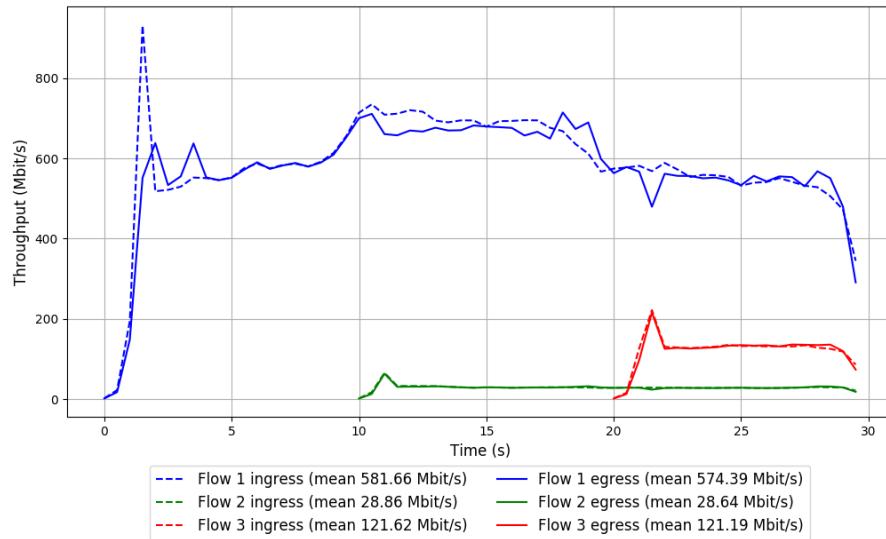
Run 2: Statistics of PCC

Start at: 2018-01-26 16:38:51

End at: 2018-01-26 16:39:21

```
# Below is generated by plot.py at 2018-01-26 21:29:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 633.02 Mbit/s
95th percentile per-packet one-way delay: 179.044 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 574.39 Mbit/s
95th percentile per-packet one-way delay: 181.440 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 155.620 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 121.19 Mbit/s
95th percentile per-packet one-way delay: 152.682 ms
Loss rate: 1.39%
```

## Run 2: Report of PCC — Data Link



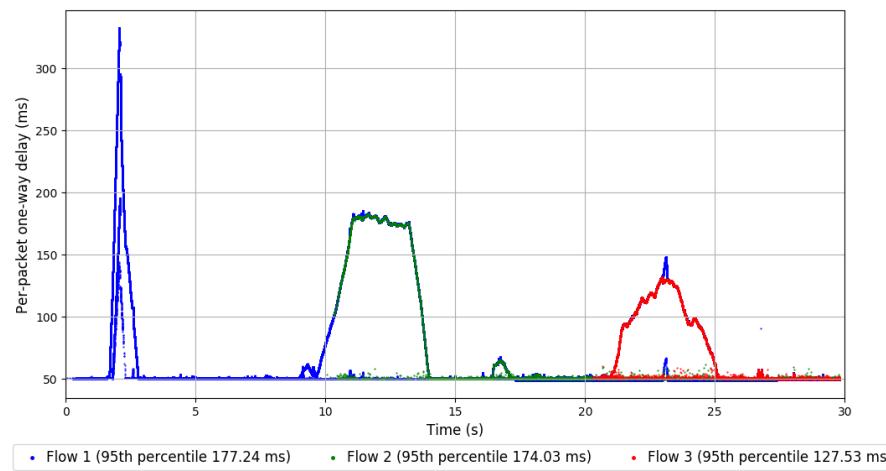
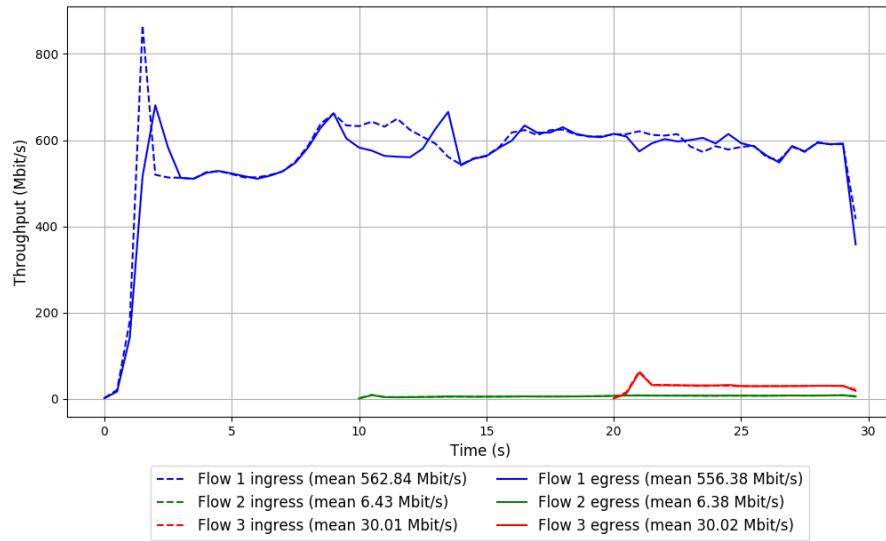
Run 3: Statistics of PCC

Start at: 2018-01-26 16:53:25

End at: 2018-01-26 16:53:55

```
# Below is generated by plot.py at 2018-01-26 21:29:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 570.39 Mbit/s
95th percentile per-packet one-way delay: 177.031 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 556.38 Mbit/s
95th percentile per-packet one-way delay: 177.235 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 6.38 Mbit/s
95th percentile per-packet one-way delay: 174.031 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 127.534 ms
Loss rate: 0.99%
```

### Run 3: Report of PCC — Data Link



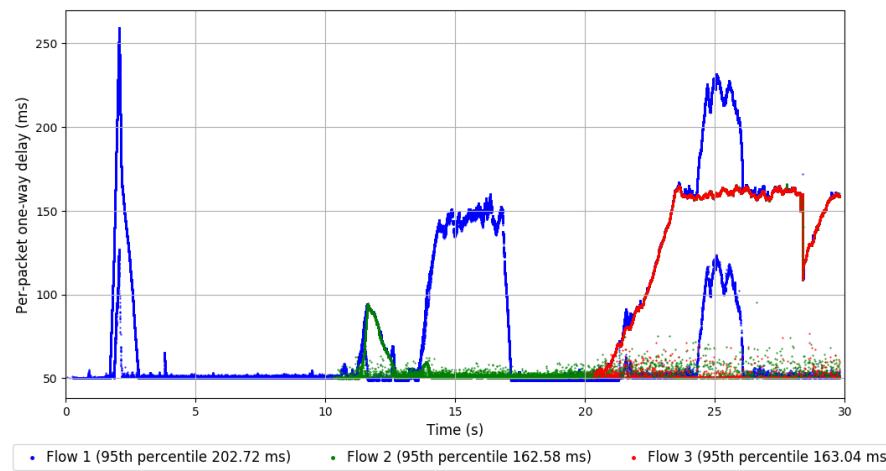
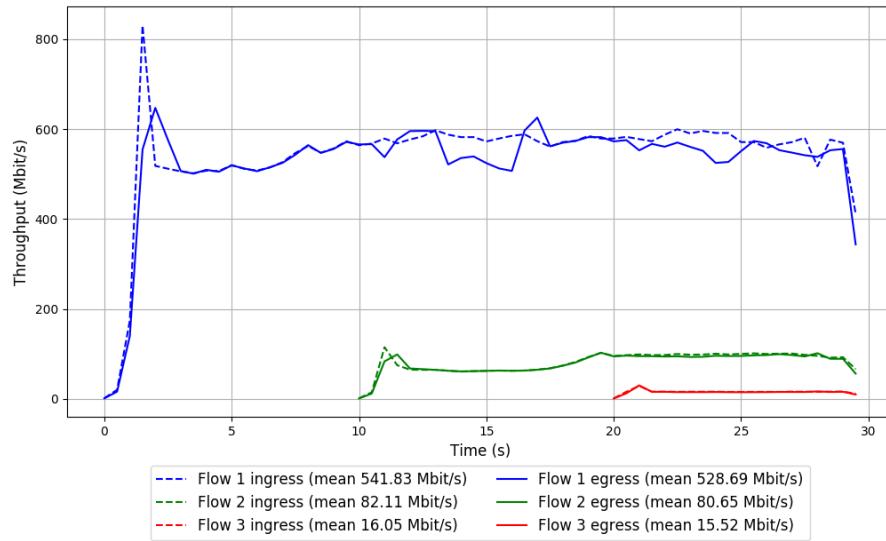
Run 4: Statistics of PCC

Start at: 2018-01-26 17:08:01

End at: 2018-01-26 17:08:31

```
# Below is generated by plot.py at 2018-01-26 21:29:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 587.17 Mbit/s
95th percentile per-packet one-way delay: 189.803 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 528.69 Mbit/s
95th percentile per-packet one-way delay: 202.717 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 80.65 Mbit/s
95th percentile per-packet one-way delay: 162.584 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 15.52 Mbit/s
95th percentile per-packet one-way delay: 163.045 ms
Loss rate: 4.33%
```

## Run 4: Report of PCC — Data Link



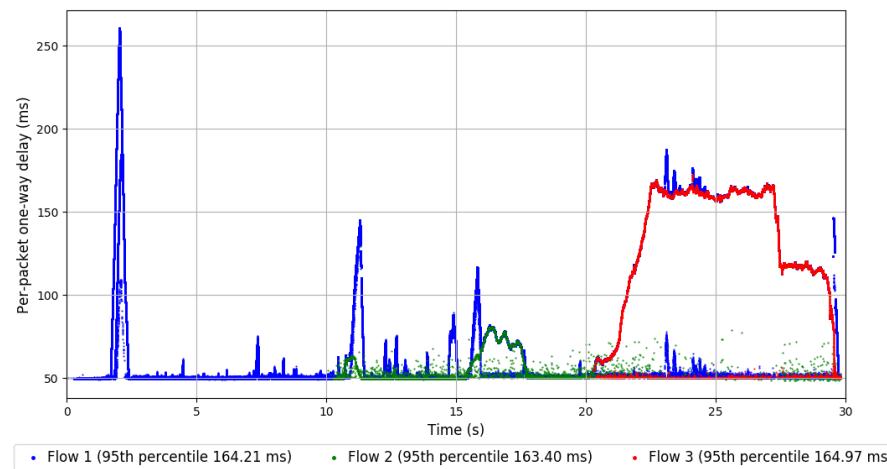
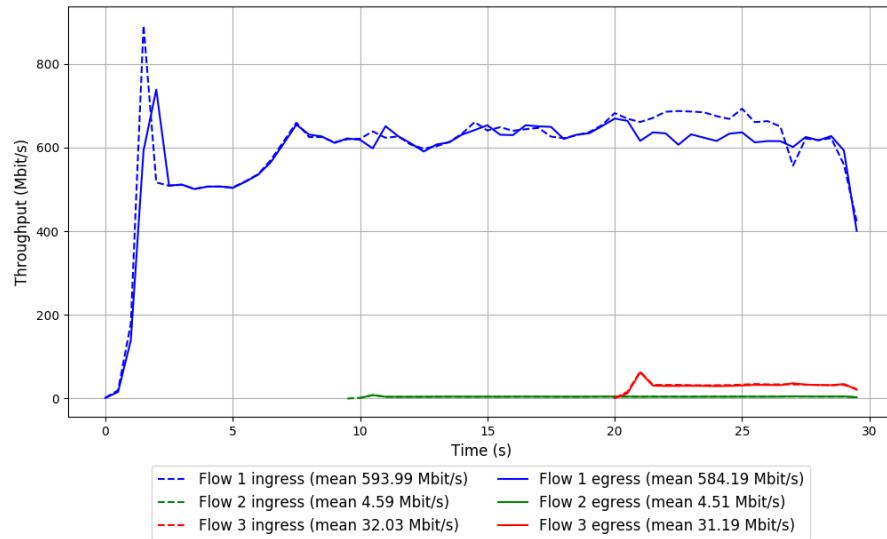
Run 5: Statistics of PCC

Start at: 2018-01-26 17:22:27

End at: 2018-01-26 17:22:57

```
# Below is generated by plot.py at 2018-01-26 21:29:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 597.37 Mbit/s
95th percentile per-packet one-way delay: 164.238 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 584.19 Mbit/s
95th percentile per-packet one-way delay: 164.212 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 163.400 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 31.19 Mbit/s
95th percentile per-packet one-way delay: 164.966 ms
Loss rate: 3.76%
```

## Run 5: Report of PCC — Data Link



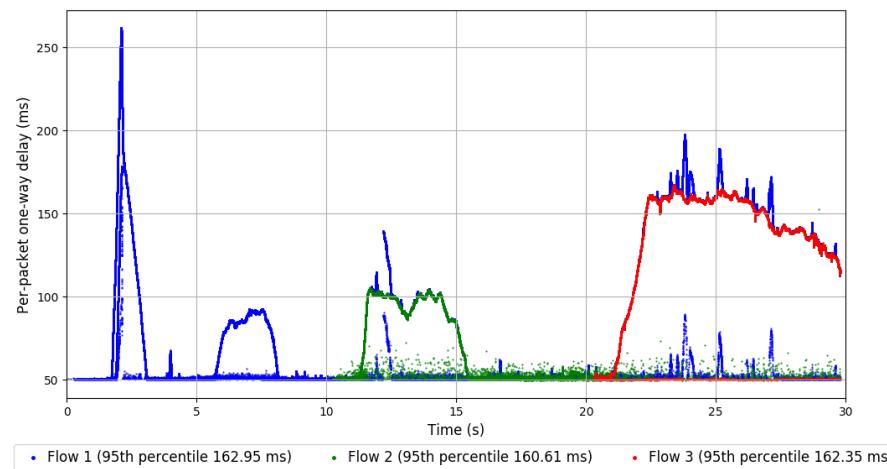
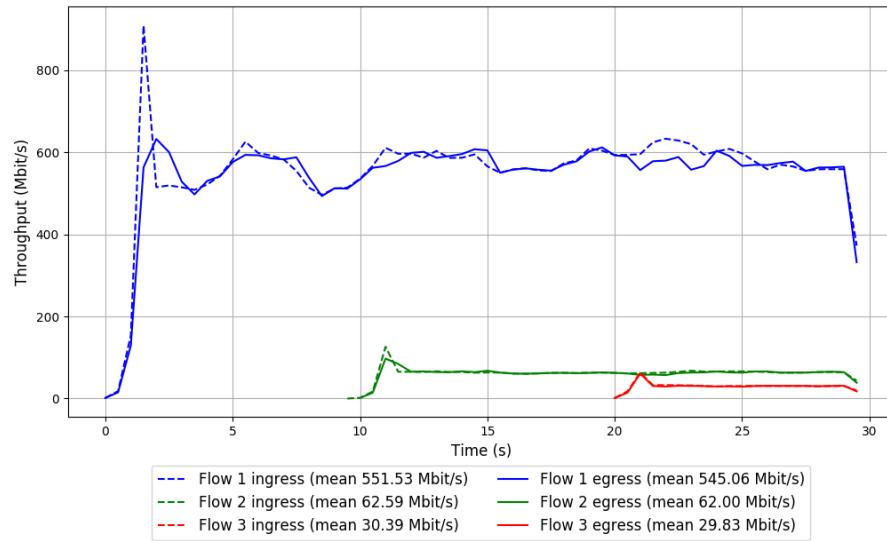
Run 6: Statistics of PCC

Start at: 2018-01-26 17:36:55

End at: 2018-01-26 17:37:25

```
# Below is generated by plot.py at 2018-01-26 21:30:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 595.95 Mbit/s
95th percentile per-packet one-way delay: 162.626 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 545.06 Mbit/s
95th percentile per-packet one-way delay: 162.946 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 160.606 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 162.352 ms
Loss rate: 2.87%
```

## Run 6: Report of PCC — Data Link



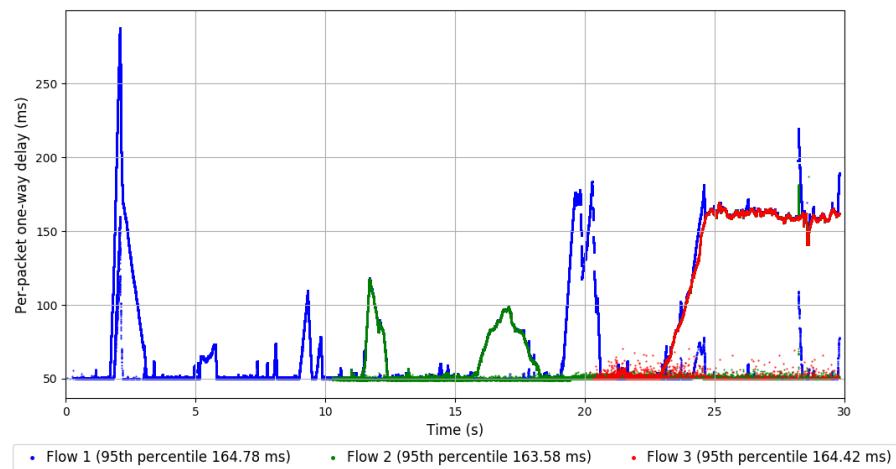
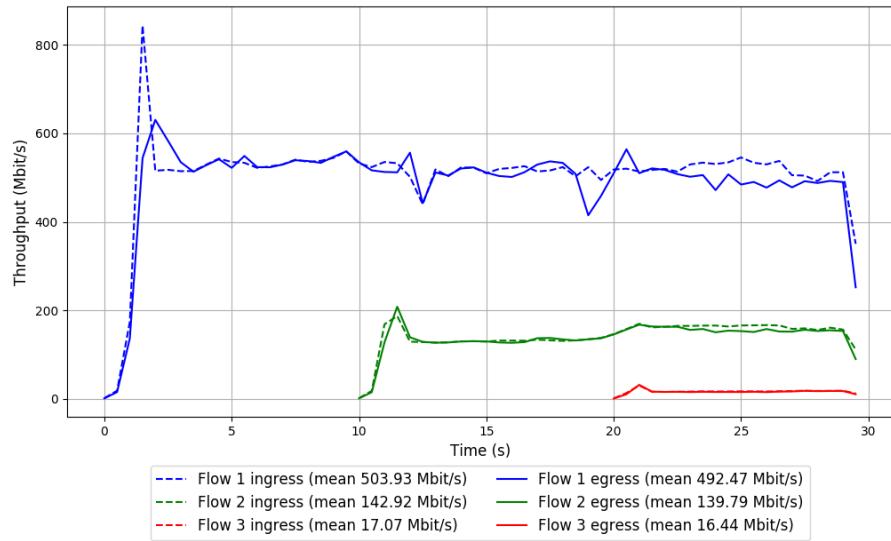
Run 7: Statistics of PCC

Start at: 2018-01-26 17:51:03

End at: 2018-01-26 17:51:33

```
# Below is generated by plot.py at 2018-01-26 21:30:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 590.60 Mbit/s
95th percentile per-packet one-way delay: 164.547 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 492.47 Mbit/s
95th percentile per-packet one-way delay: 164.783 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 139.79 Mbit/s
95th percentile per-packet one-way delay: 163.579 ms
Loss rate: 2.69%
-- Flow 3:
Average throughput: 16.44 Mbit/s
95th percentile per-packet one-way delay: 164.419 ms
Loss rate: 4.70%
```

## Run 7: Report of PCC — Data Link



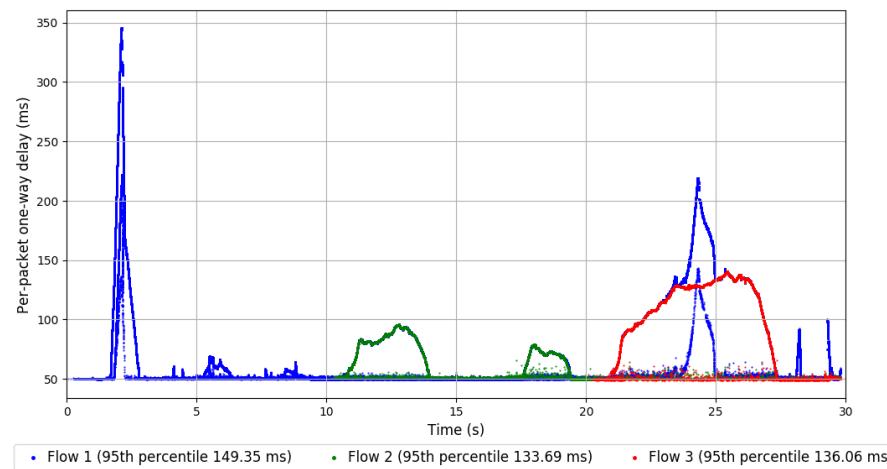
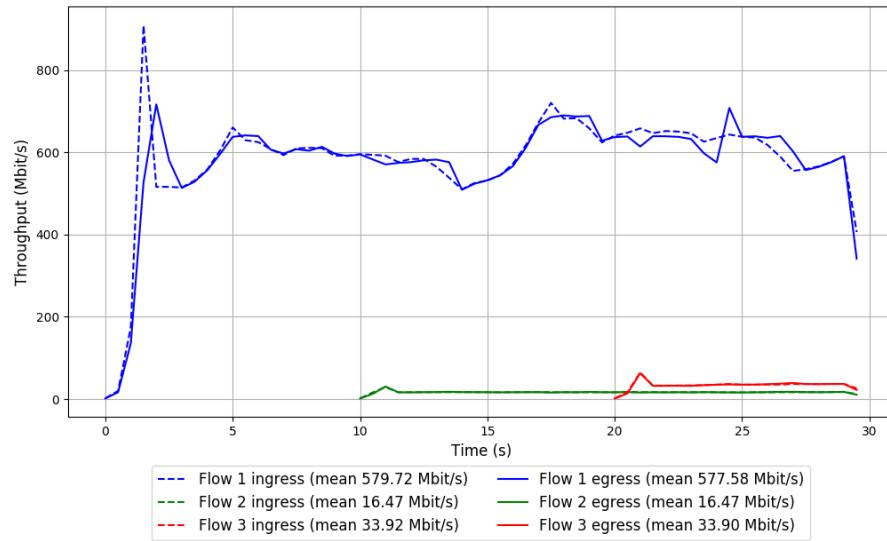
Run 8: Statistics of PCC

Start at: 2018-01-26 18:05:33

End at: 2018-01-26 18:06:03

```
# Below is generated by plot.py at 2018-01-26 21:31:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 599.55 Mbit/s
95th percentile per-packet one-way delay: 146.292 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 577.58 Mbit/s
95th percentile per-packet one-way delay: 149.350 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 16.47 Mbit/s
95th percentile per-packet one-way delay: 133.687 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 33.90 Mbit/s
95th percentile per-packet one-way delay: 136.056 ms
Loss rate: 1.13%
```

Run 8: Report of PCC — Data Link



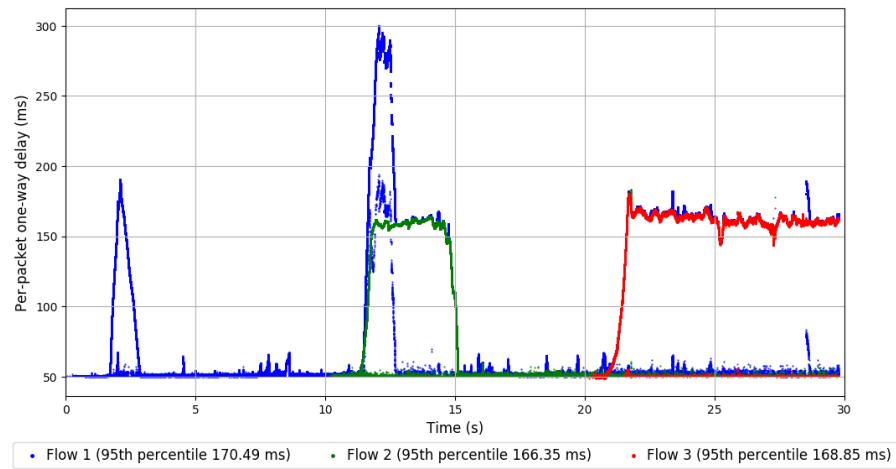
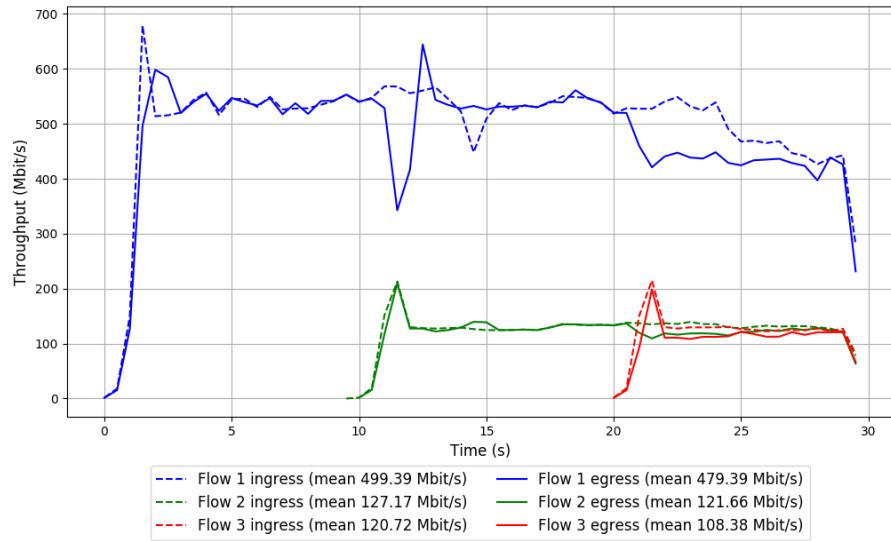
Run 9: Statistics of PCC

Start at: 2018-01-26 18:19:55

End at: 2018-01-26 18:20:25

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 595.53 Mbit/s
95th percentile per-packet one-way delay: 169.297 ms
Loss rate: 4.83%
-- Flow 1:
Average throughput: 479.39 Mbit/s
95th percentile per-packet one-way delay: 170.487 ms
Loss rate: 4.33%
-- Flow 2:
Average throughput: 121.66 Mbit/s
95th percentile per-packet one-way delay: 166.355 ms
Loss rate: 4.82%
-- Flow 3:
Average throughput: 108.38 Mbit/s
95th percentile per-packet one-way delay: 168.849 ms
Loss rate: 11.14%
```

## Run 9: Report of PCC — Data Link



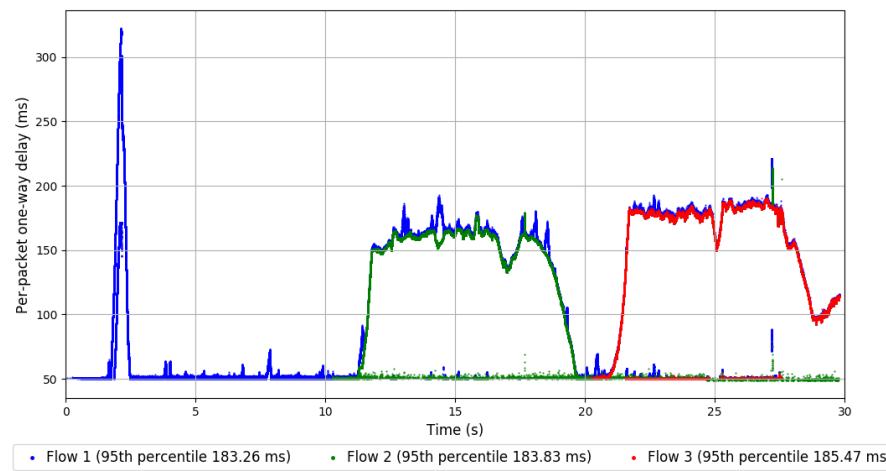
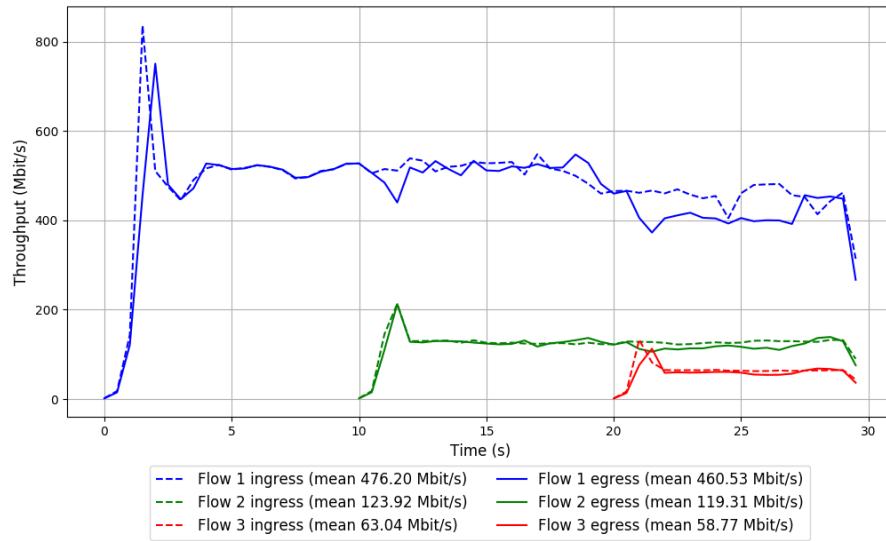
Run 10: Statistics of PCC

Start at: 2018-01-26 18:34:18

End at: 2018-01-26 18:34:48

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 558.84 Mbit/s
95th percentile per-packet one-way delay: 183.642 ms
Loss rate: 3.85%
-- Flow 1:
Average throughput: 460.53 Mbit/s
95th percentile per-packet one-way delay: 183.263 ms
Loss rate: 3.62%
-- Flow 2:
Average throughput: 119.31 Mbit/s
95th percentile per-packet one-way delay: 183.830 ms
Loss rate: 4.21%
-- Flow 3:
Average throughput: 58.77 Mbit/s
95th percentile per-packet one-way delay: 185.474 ms
Loss rate: 7.74%
```

## Run 10: Report of PCC — Data Link

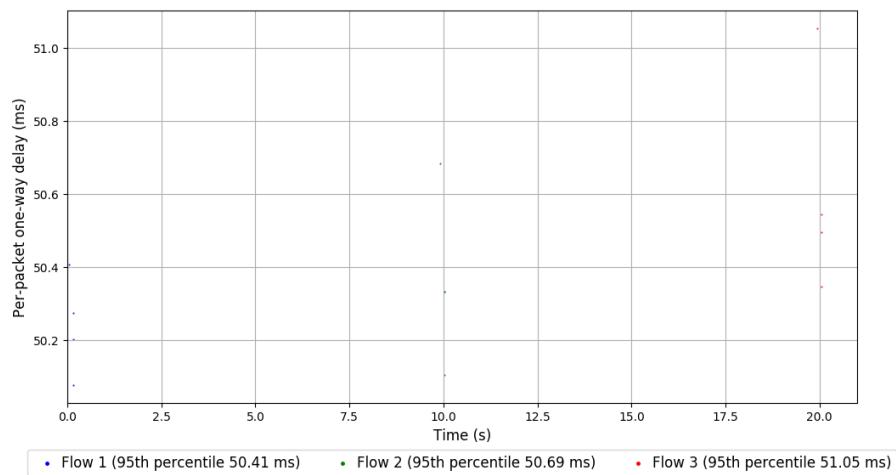
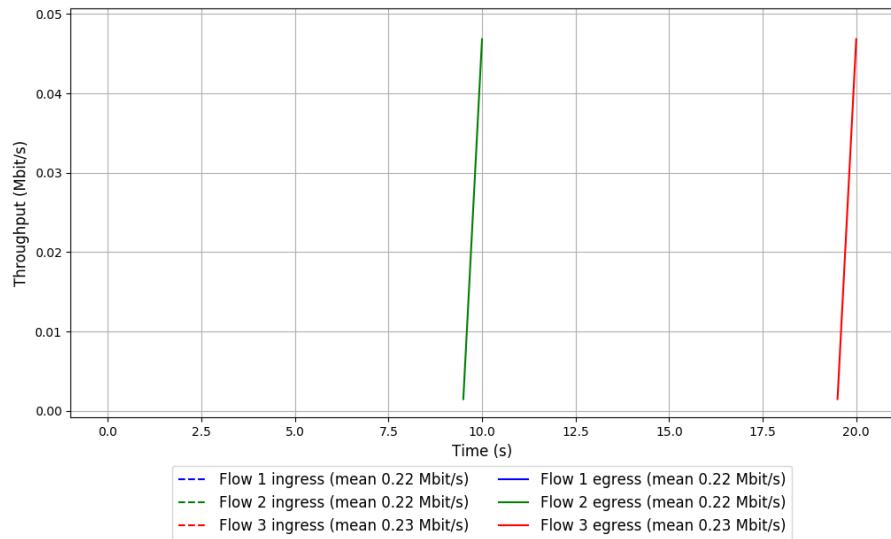


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-26 16:18:54

End at: 2018-01-26 16:19:24

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

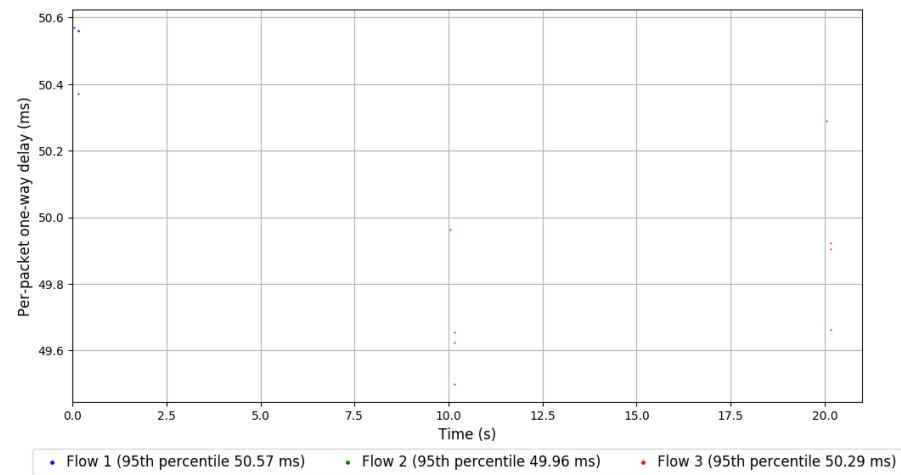
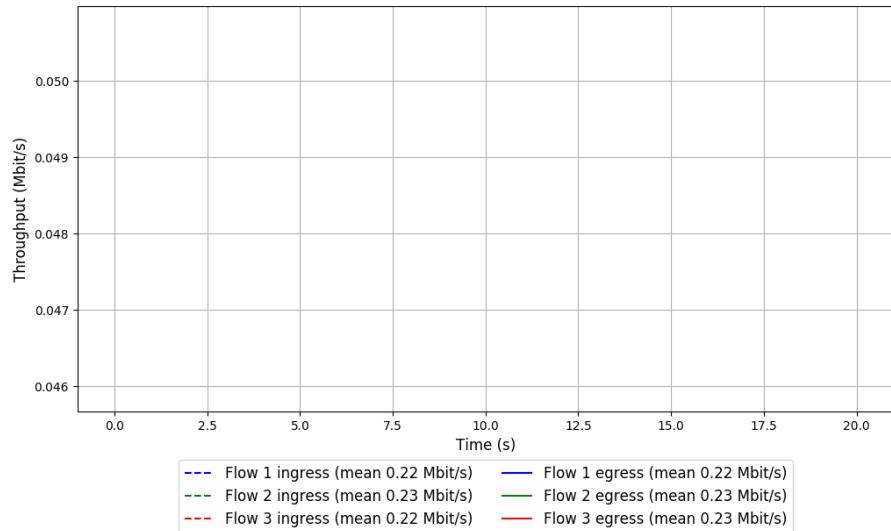


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-26 16:33:17

End at: 2018-01-26 16:33:47

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

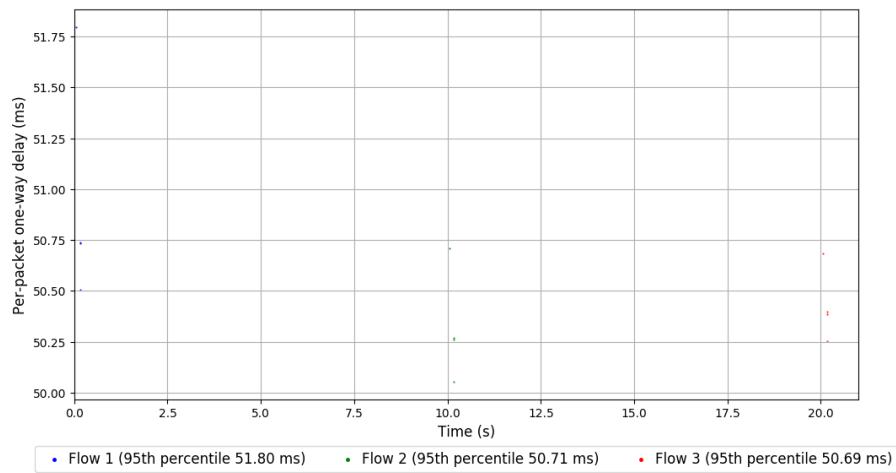
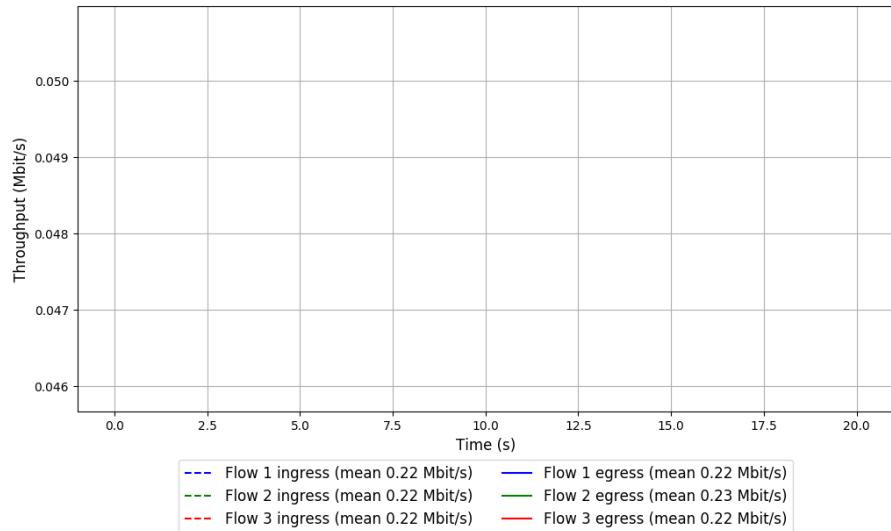


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-26 16:47:46

End at: 2018-01-26 16:48:16

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

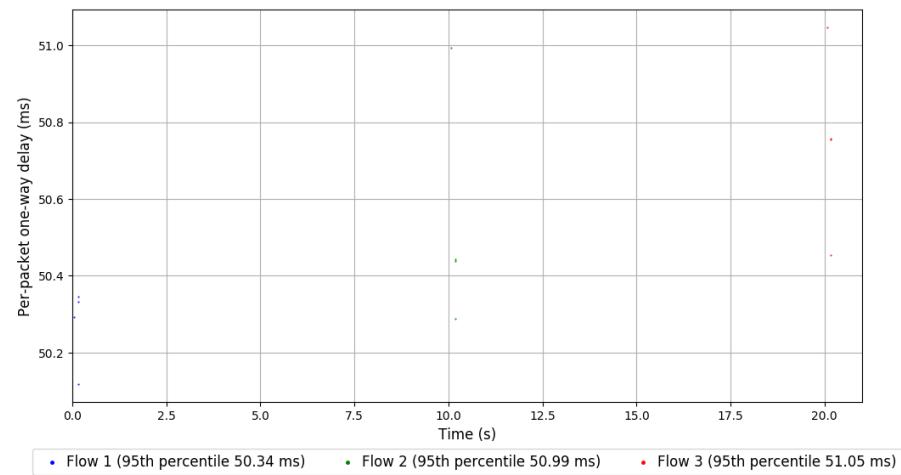
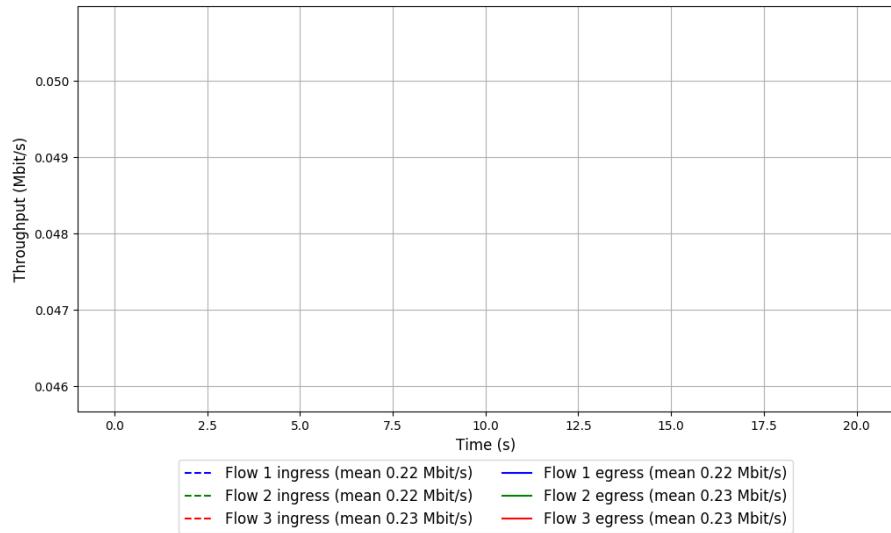


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-26 17:02:19

End at: 2018-01-26 17:02:49

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

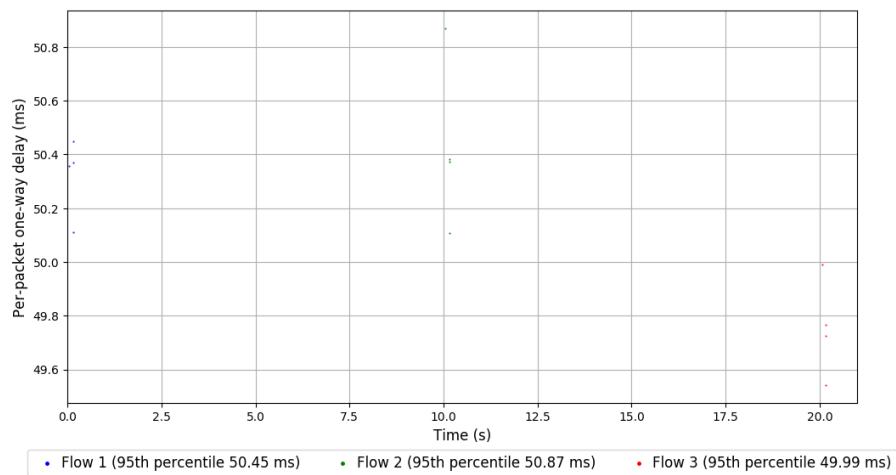
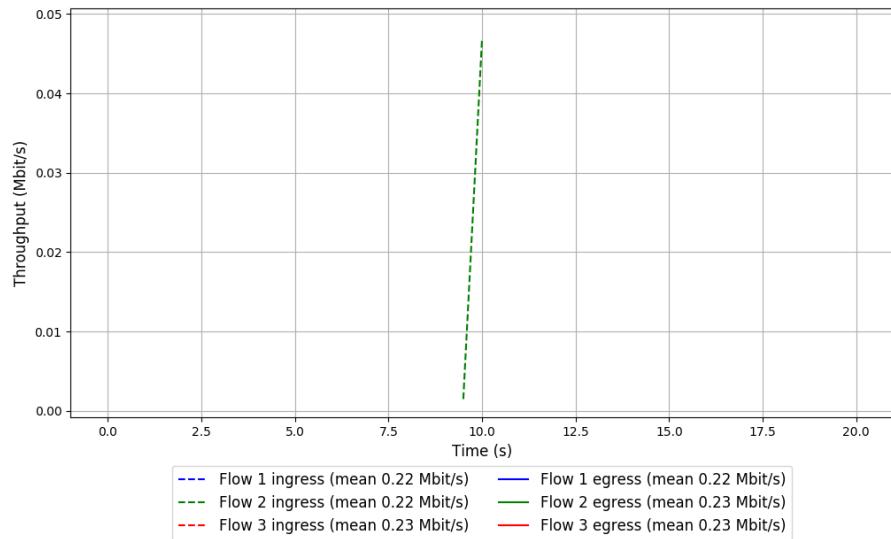


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-26 17:16:51

End at: 2018-01-26 17:17:21

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

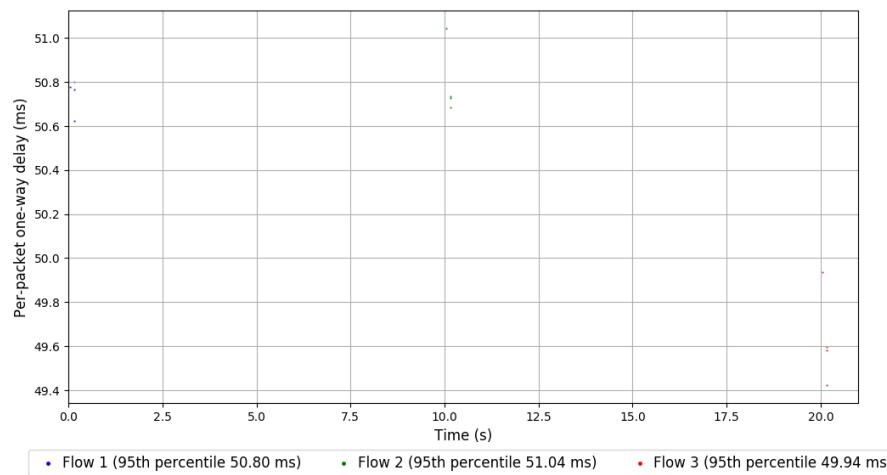
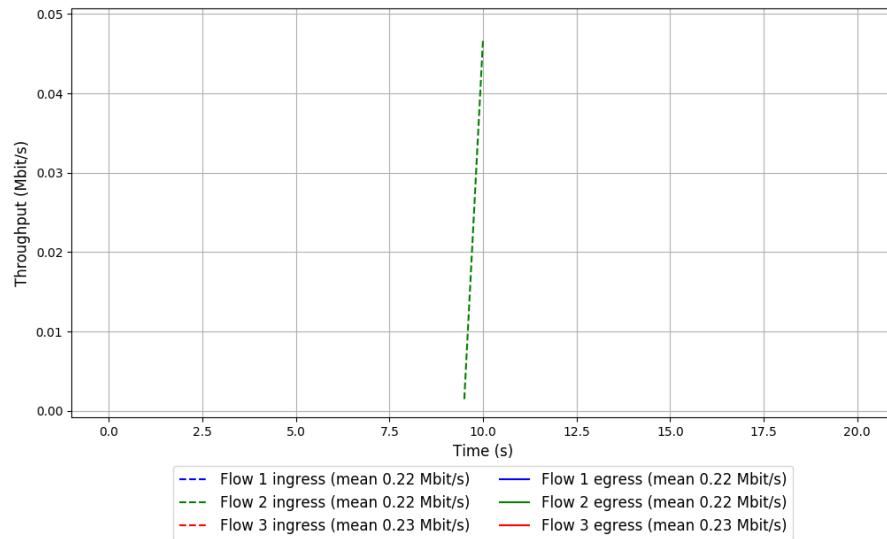


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-26 17:31:20

End at: 2018-01-26 17:31:50

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

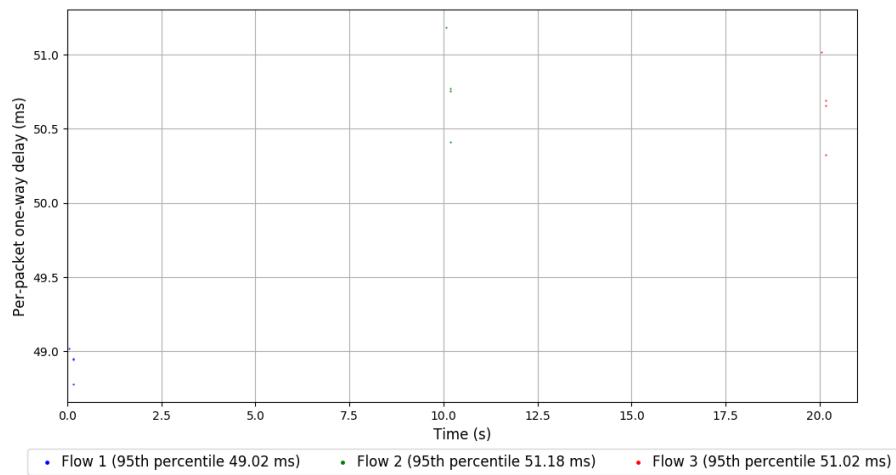
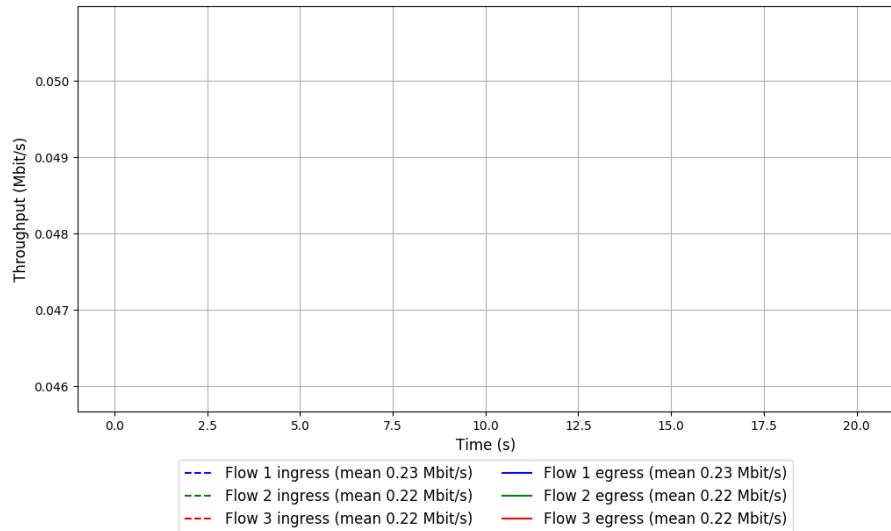


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-26 17:45:31

End at: 2018-01-26 17:46:01

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

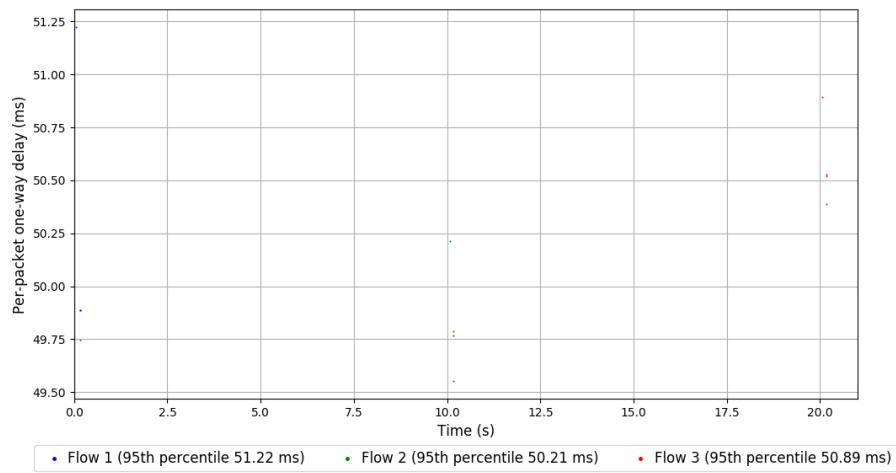
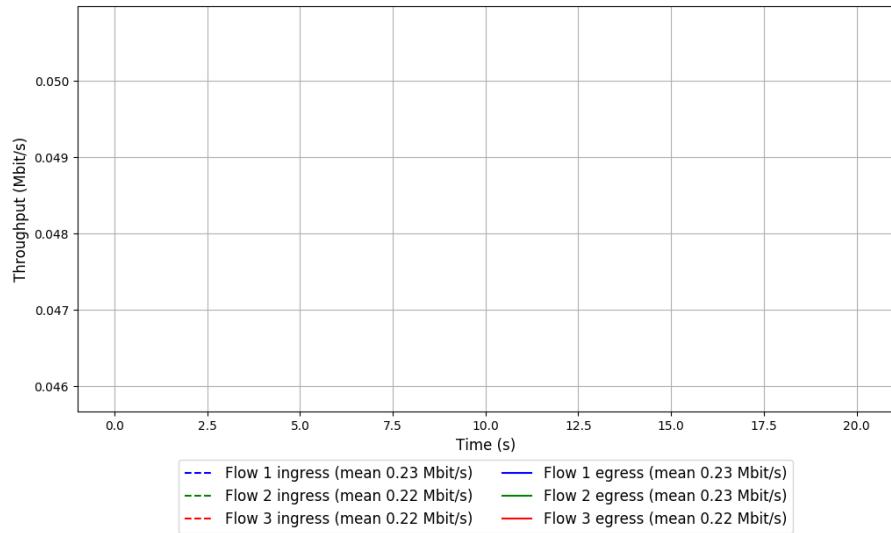


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-26 17:59:57

End at: 2018-01-26 18:00:27

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

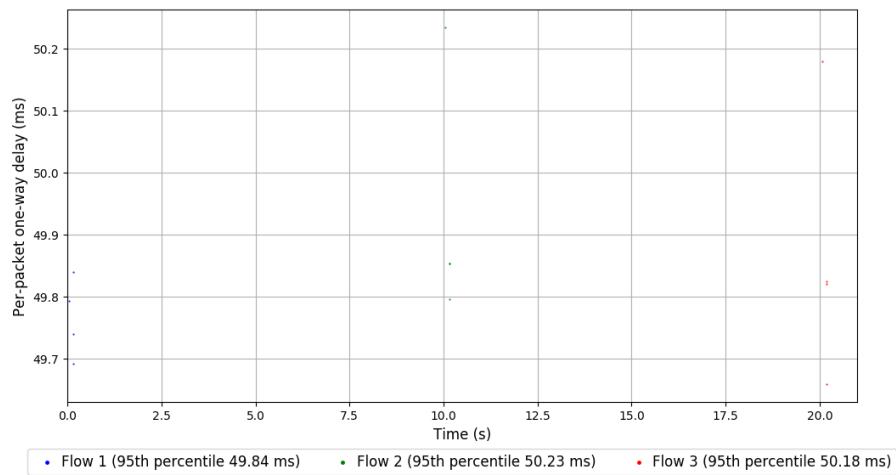
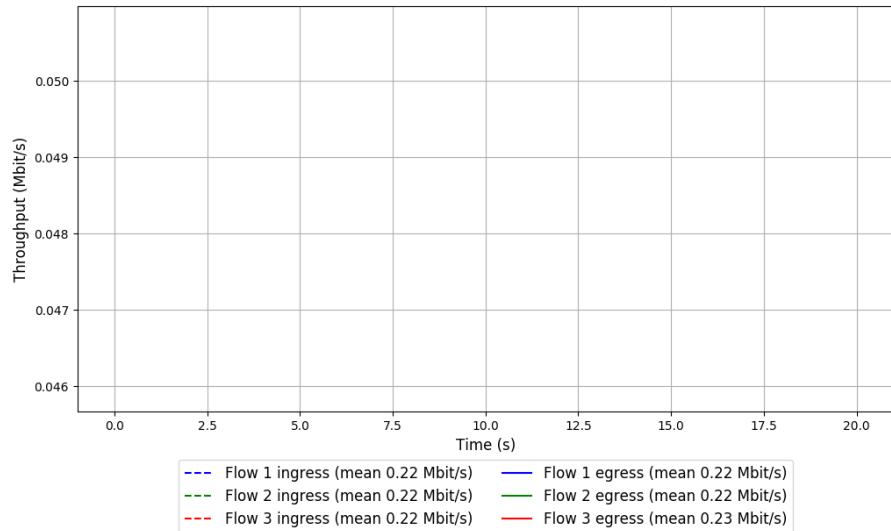


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-26 18:14:21

End at: 2018-01-26 18:14:51

Run 9: Report of QUIC Cubic — Data Link

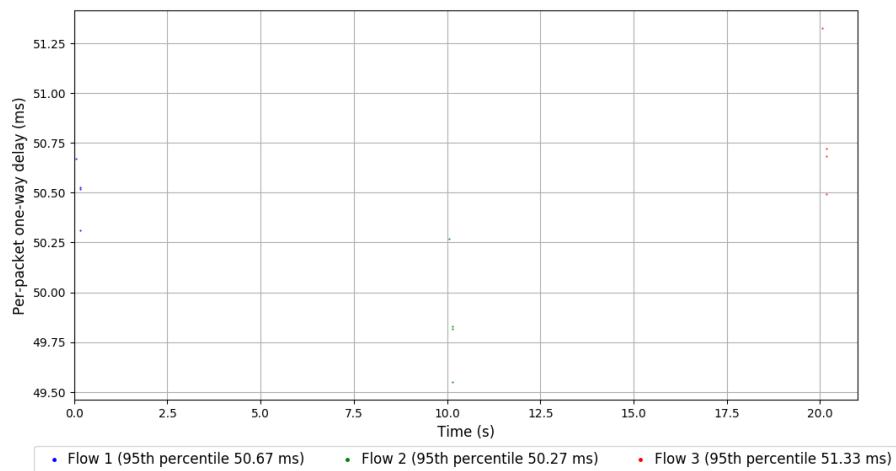
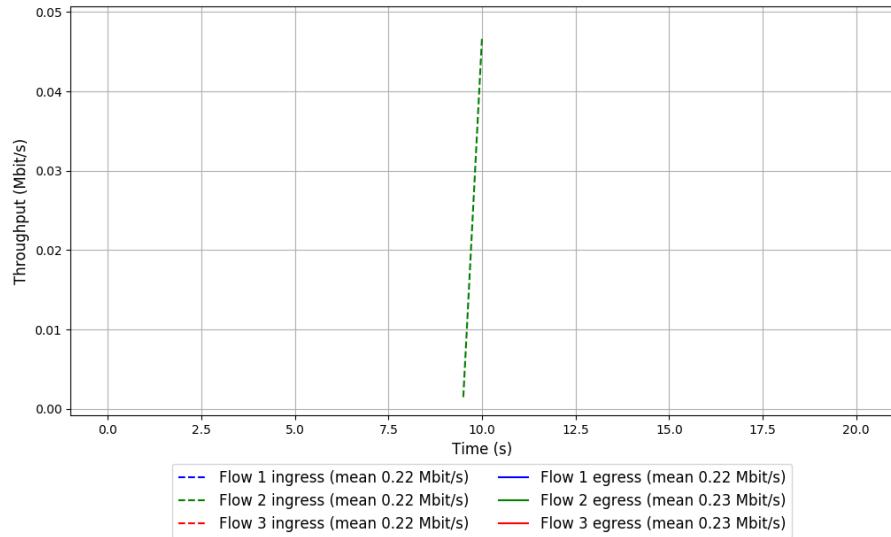


Run 10: Statistics of QUIC Cubic

Start at: 2018-01-26 18:28:45

End at: 2018-01-26 18:29:15

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

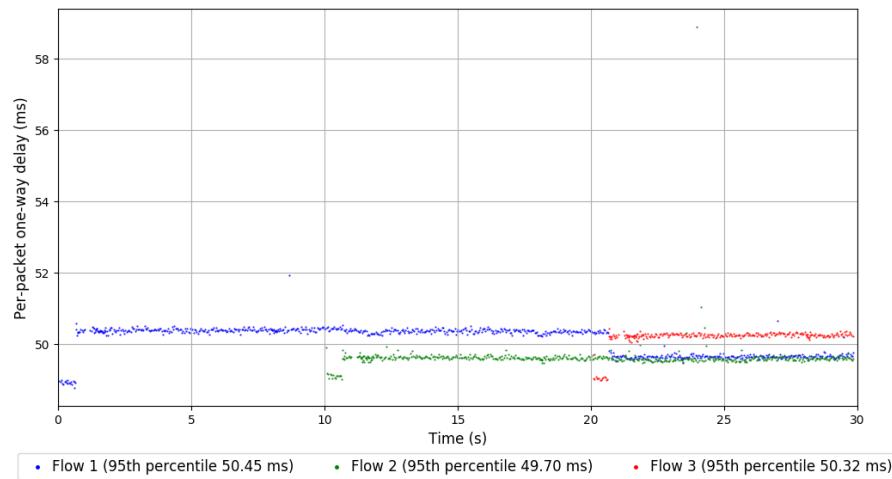
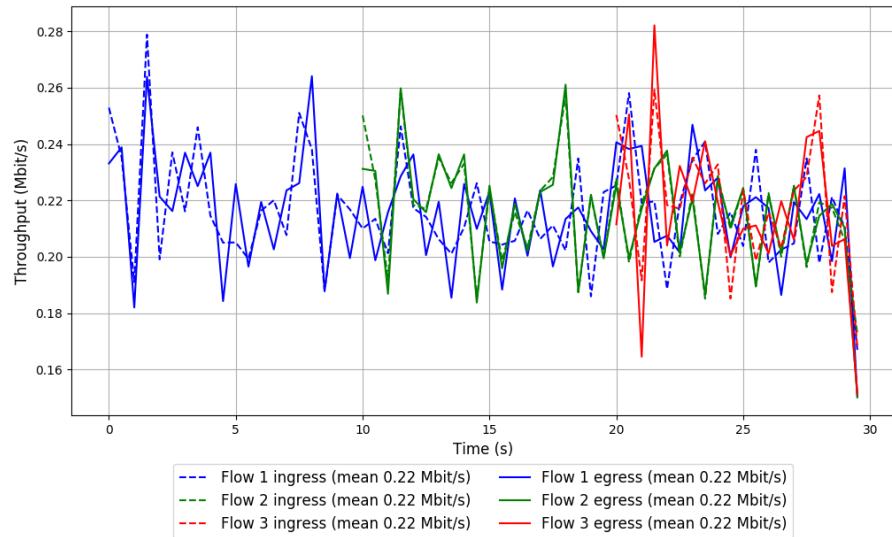


```
Run 1: Statistics of SCReAM

Start at: 2018-01-26 16:11:02
End at: 2018-01-26 16:11:32

# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.424 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.448 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.703 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.321 ms
Loss rate: 1.11%
```

Run 1: Report of SCReAM — Data Link



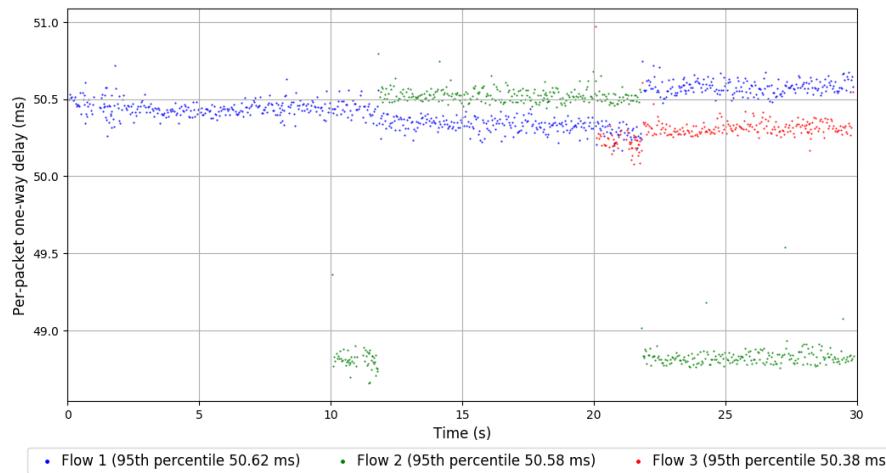
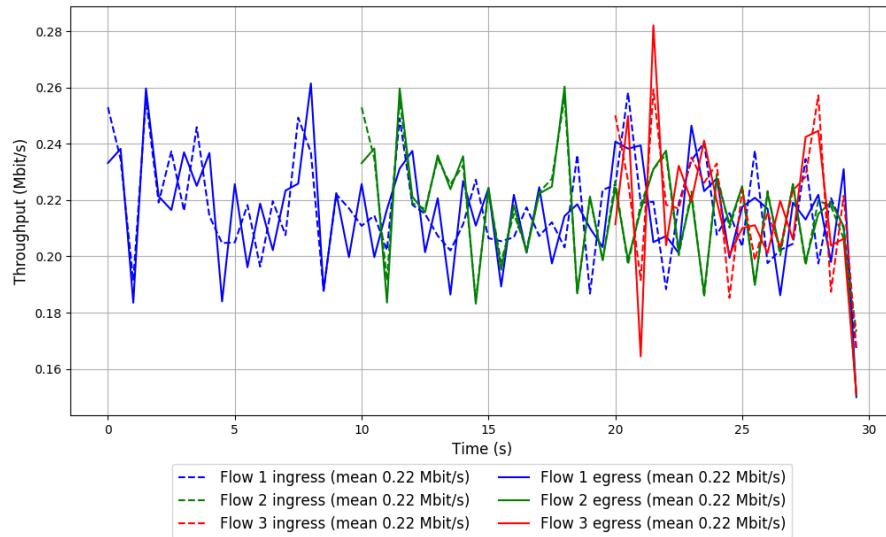
Run 2: Statistics of SCReAM

Start at: 2018-01-26 16:25:30

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

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.601 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.621 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.575 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.382 ms
Loss rate: 1.11%
```

Run 2: Report of SCReAM — Data Link



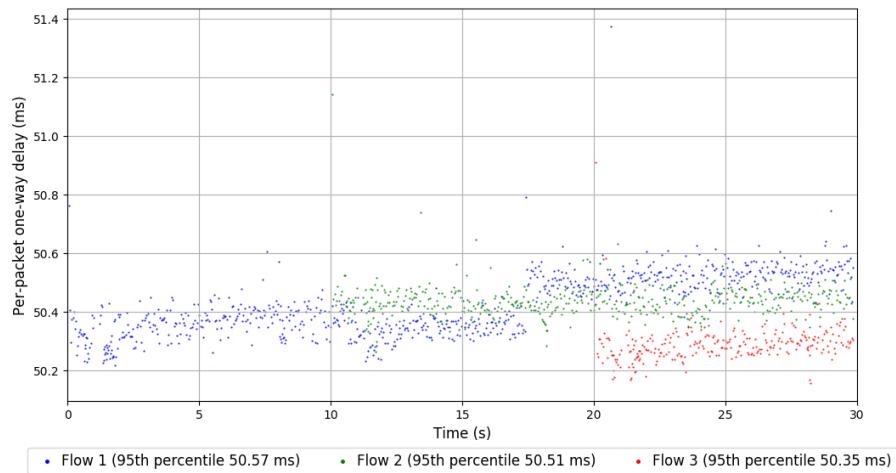
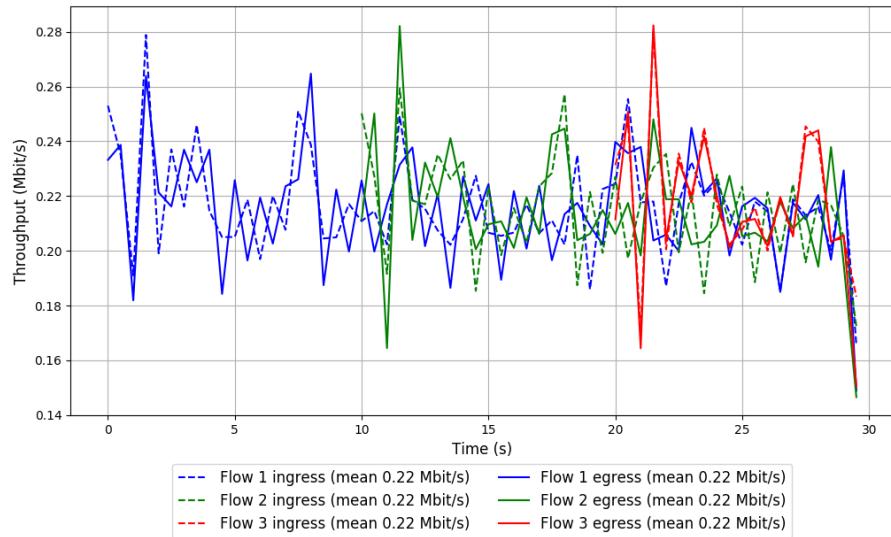
Run 3: Statistics of SCReAM

Start at: 2018-01-26 16:39:55

End at: 2018-01-26 16:40:25

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.555 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.570 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.505 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.353 ms
Loss rate: 1.10%
```

Run 3: Report of SCReAM — Data Link



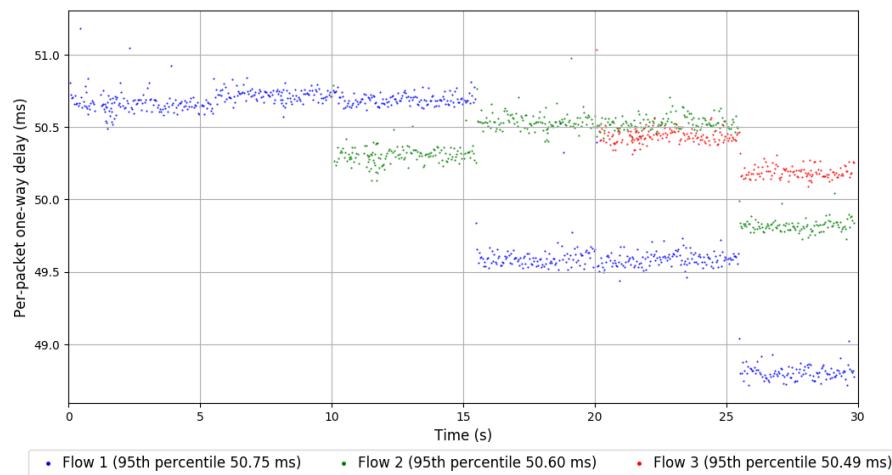
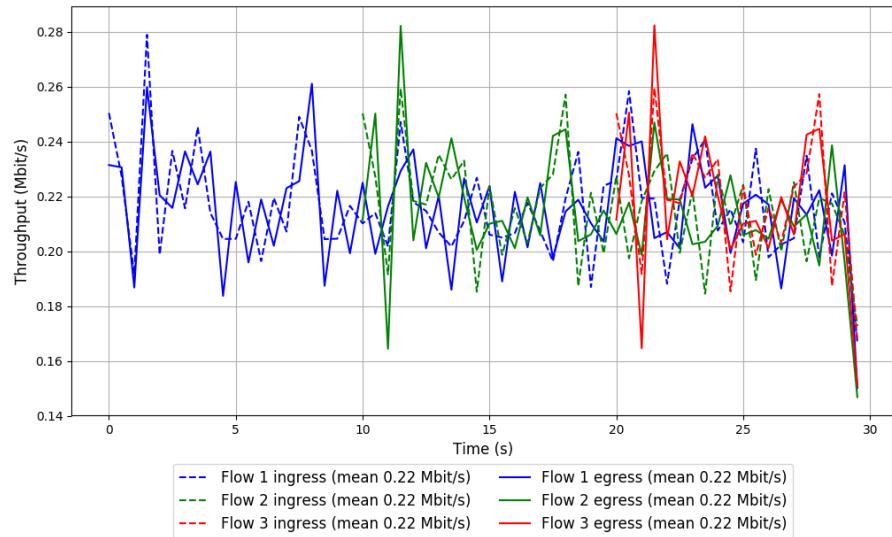
Run 4: Statistics of SCReAM

Start at: 2018-01-26 16:54:27

End at: 2018-01-26 16:54:57

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.736 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.753 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.596 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.494 ms
Loss rate: 1.11%
```

Run 4: Report of SCReAM — Data Link



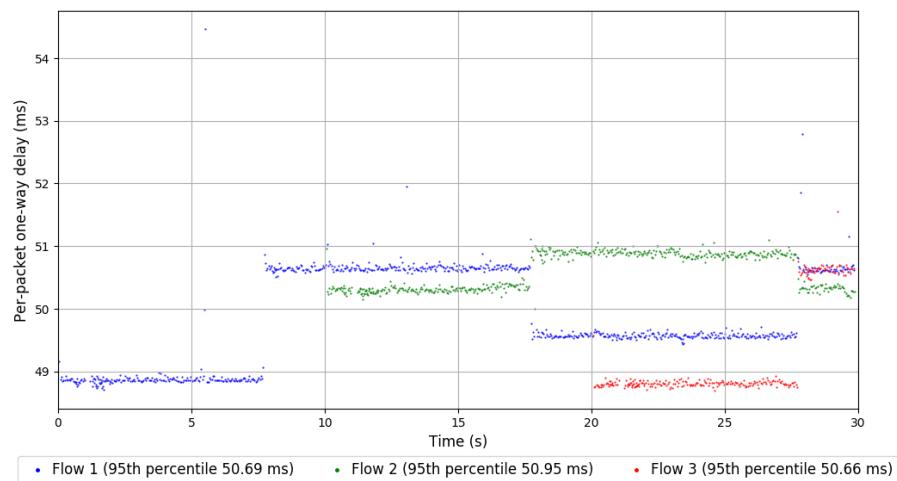
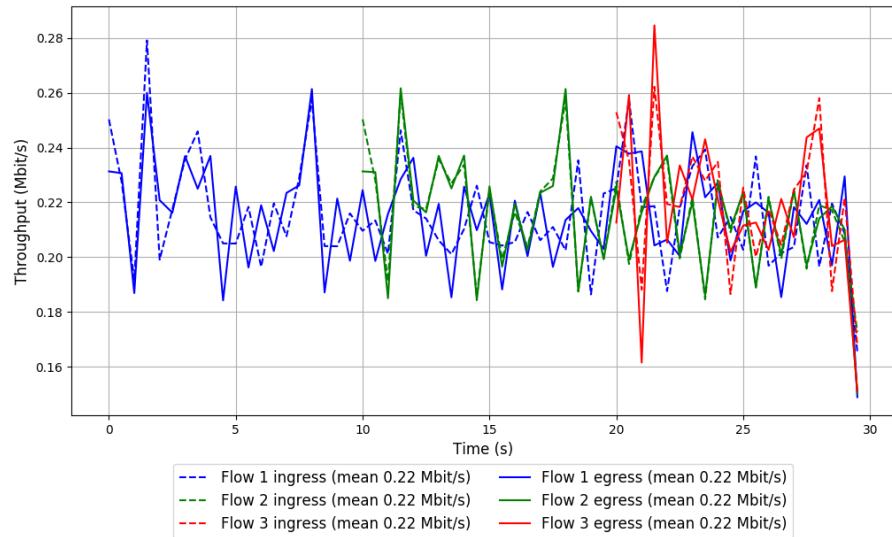
```
Run 5: Statistics of SCReAM
```

```
Start at: 2018-01-26 17:09:05
```

```
End at: 2018-01-26 17:09:35
```

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.915 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.692 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.954 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.658 ms
Loss rate: 1.10%
```

Run 5: Report of SCReAM — Data Link



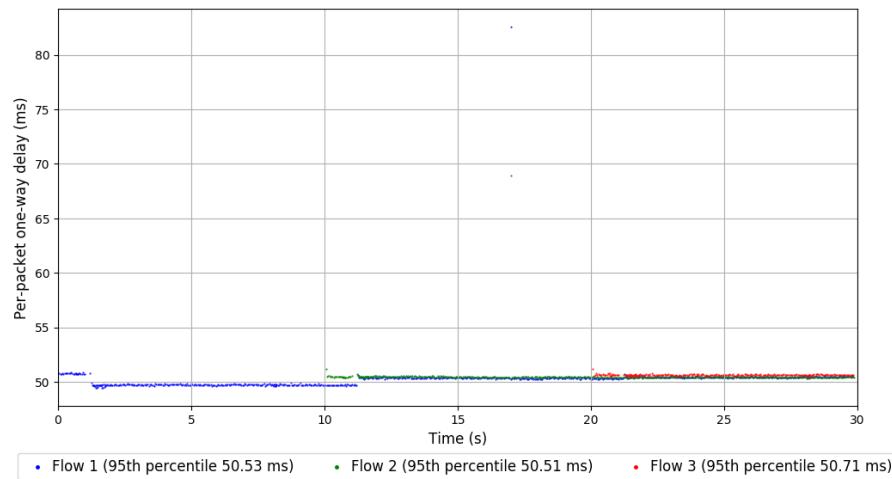
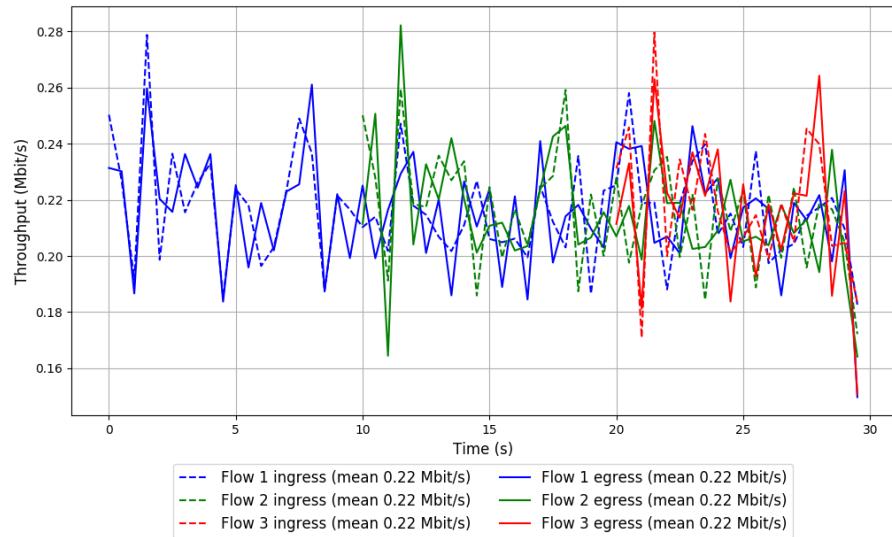
Run 6: Statistics of SCReAM

Start at: 2018-01-26 17:23:31

End at: 2018-01-26 17:24:01

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.664 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.527 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.514 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.712 ms
Loss rate: 1.11%
```

Run 6: Report of SCReAM — Data Link



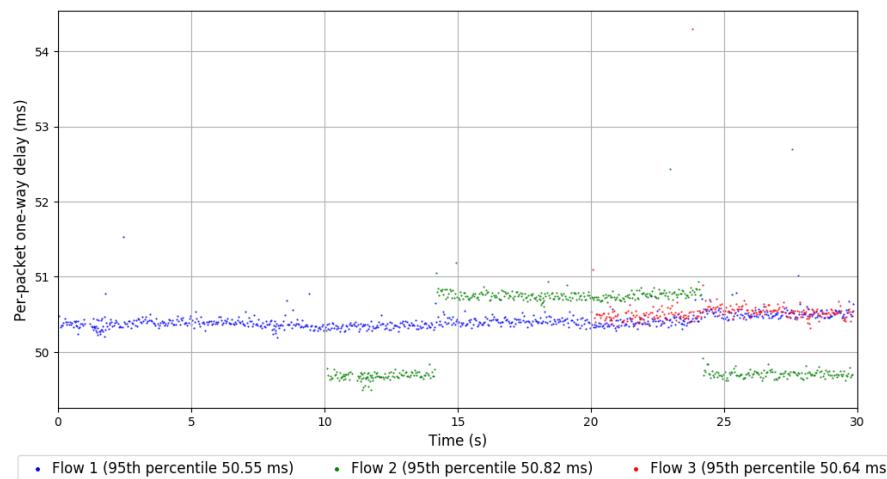
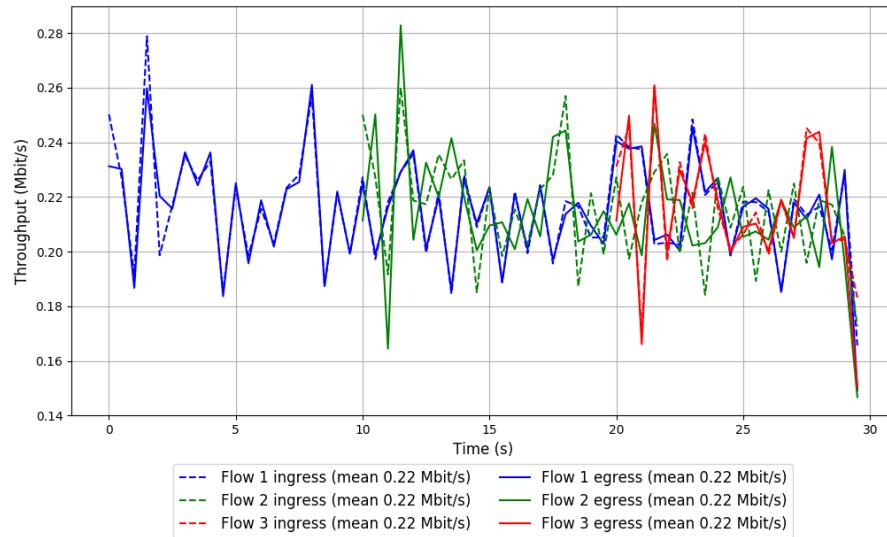
Run 7: Statistics of SCReAM

Start at: 2018-01-26 17:37:58

End at: 2018-01-26 17:38:28

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.782 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.550 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.820 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.638 ms
Loss rate: 1.11%
```

Run 7: Report of SCReAM — Data Link



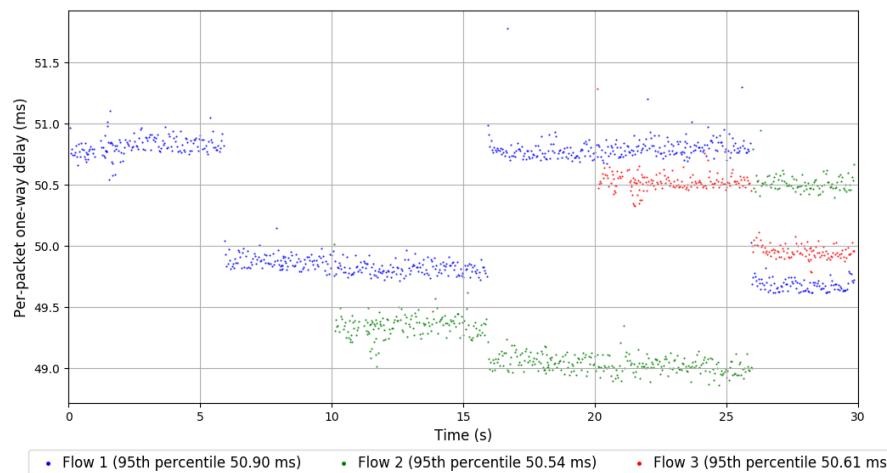
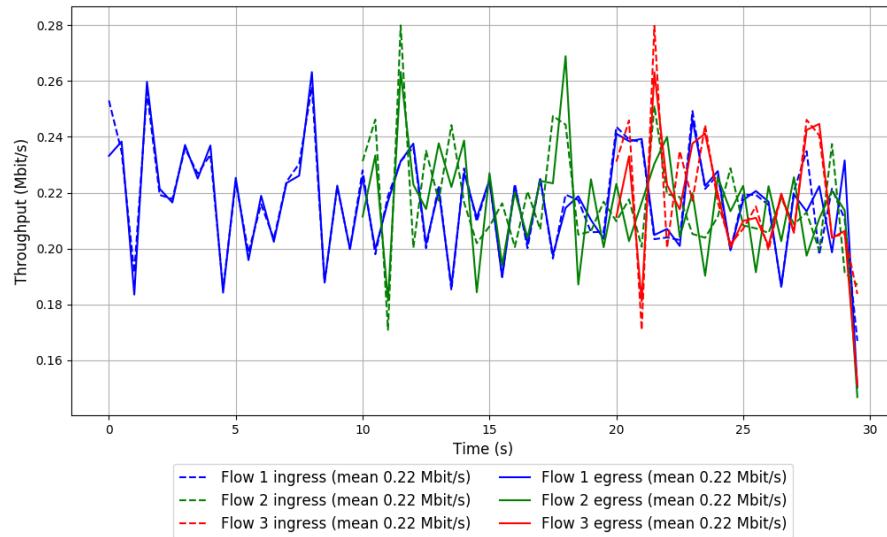
Run 8: Statistics of SCReAM

Start at: 2018-01-26 17:52:06

End at: 2018-01-26 17:52:36

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.860 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.896 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.537 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.614 ms
Loss rate: 1.11%
```

Run 8: Report of SCReAM — Data Link



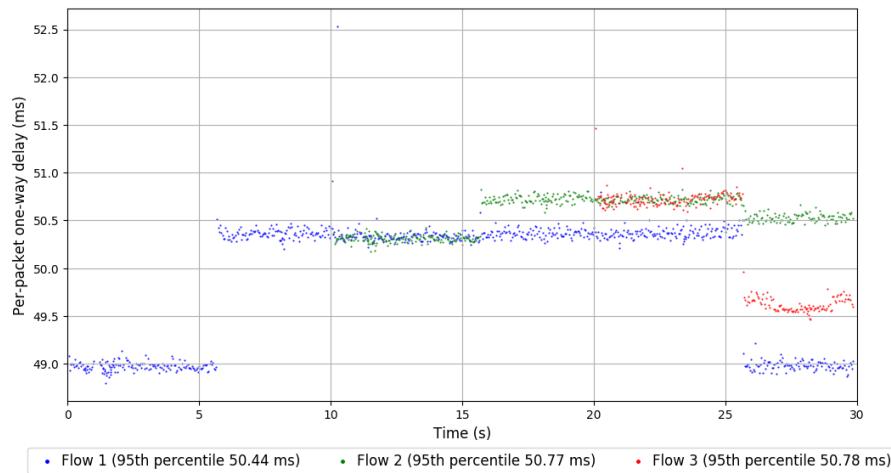
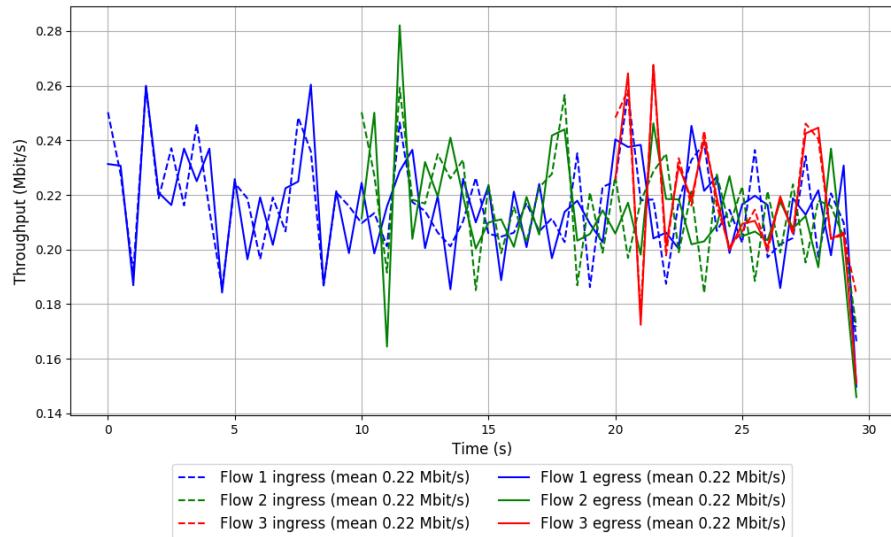
Run 9: Statistics of SCReAM

Start at: 2018-01-26 18:06:37

End at: 2018-01-26 18:07:07

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.761 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.440 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.775 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.785 ms
Loss rate: 1.10%
```

Run 9: Report of SCReAM — Data Link



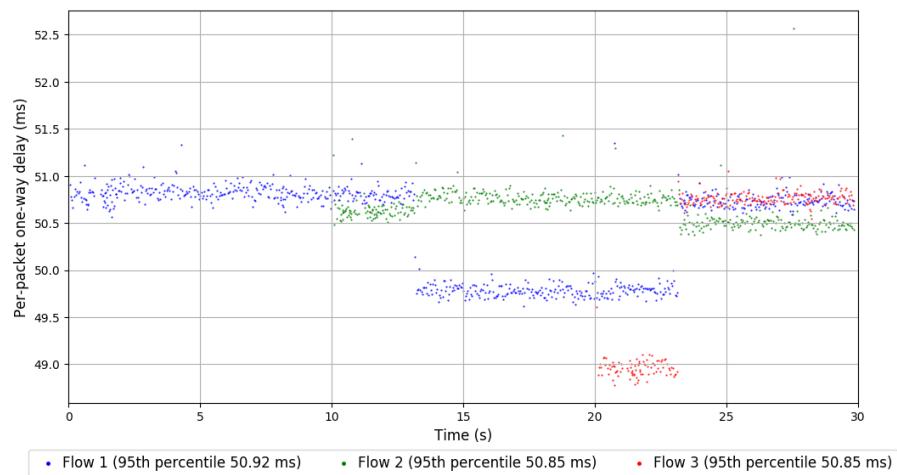
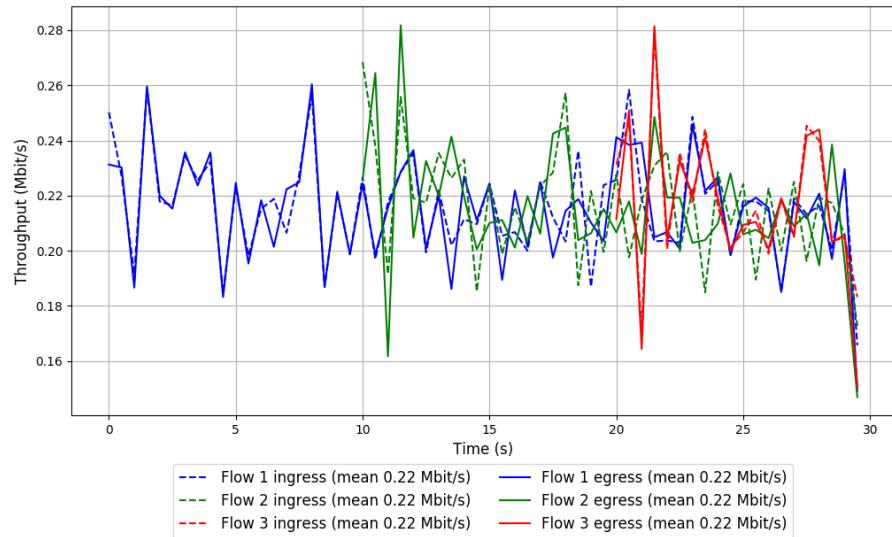
Run 10: Statistics of SCReAM

Start at: 2018-01-26 18:20:59

End at: 2018-01-26 18:21:29

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.890 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.923 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.853 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.853 ms
Loss rate: 1.11%
```

## Run 10: Report of SCReAM — Data Link

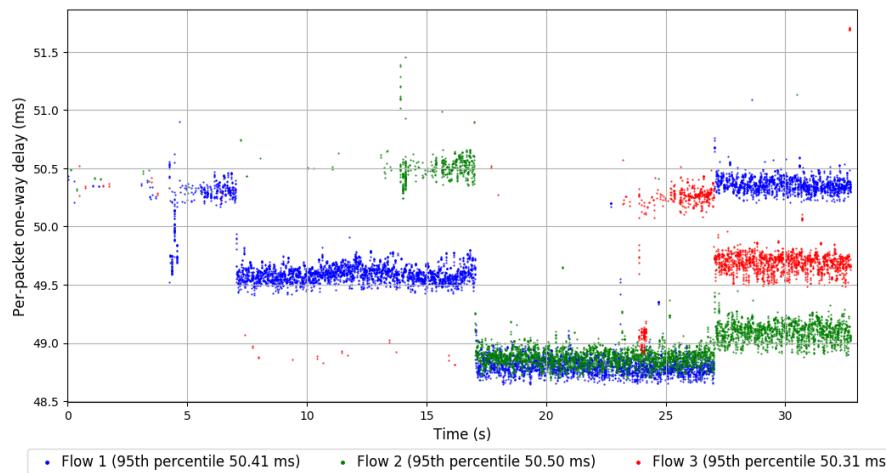
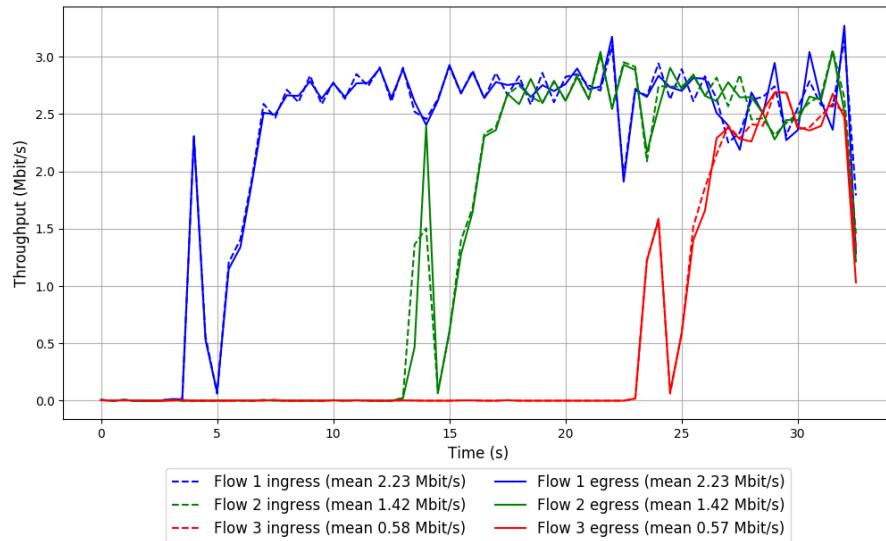


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-26 16:20:28
End at: 2018-01-26 16:20:58

# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 50.420 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 50.405 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 50.501 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 50.307 ms
Loss rate: 1.58%
```

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

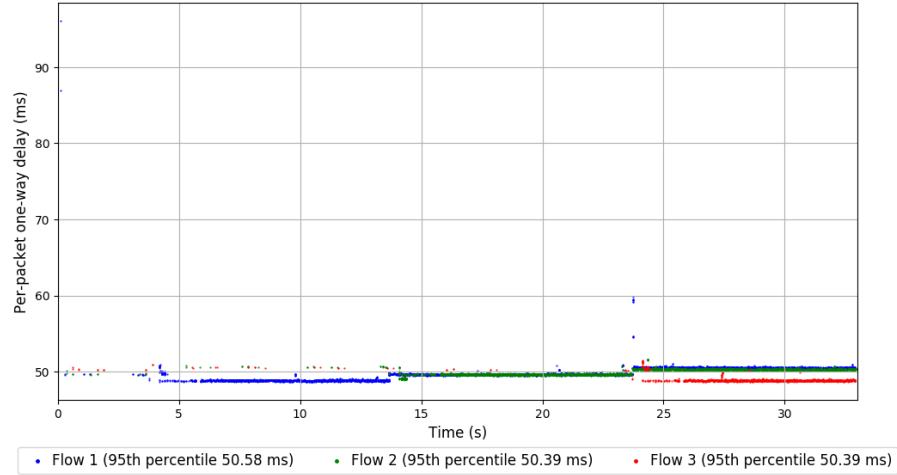
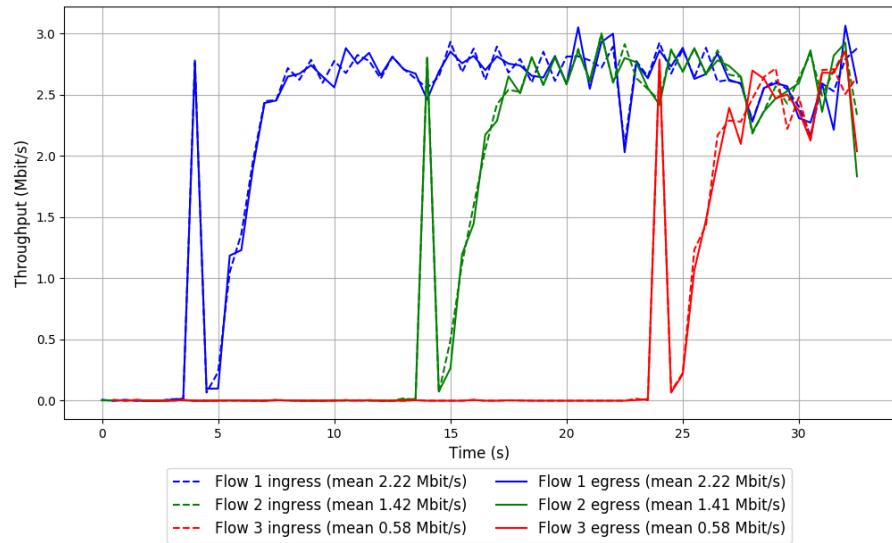


```
Run 2: Statistics of WebRTC media

Start at: 2018-01-26 16:34:52
End at: 2018-01-26 16:35:22

# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 50.554 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 50.582 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 50.392 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 50.393 ms
Loss rate: 1.66%
```

## Run 2: Report of WebRTC media — Data Link



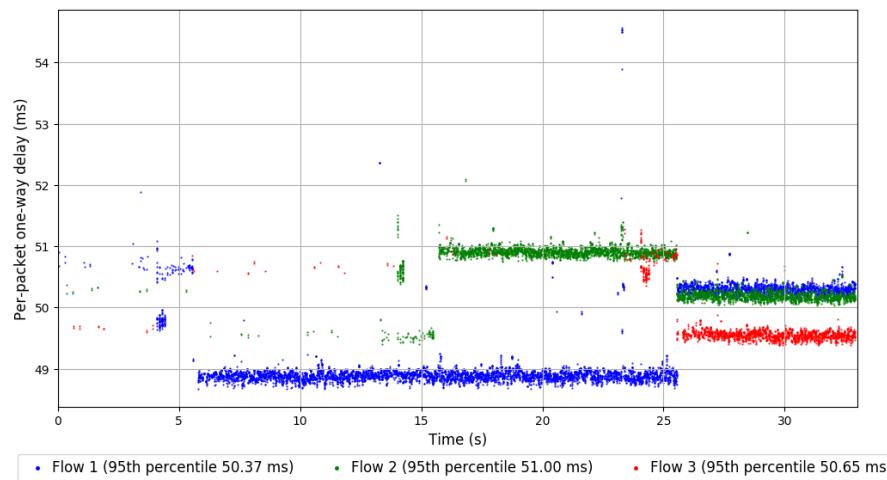
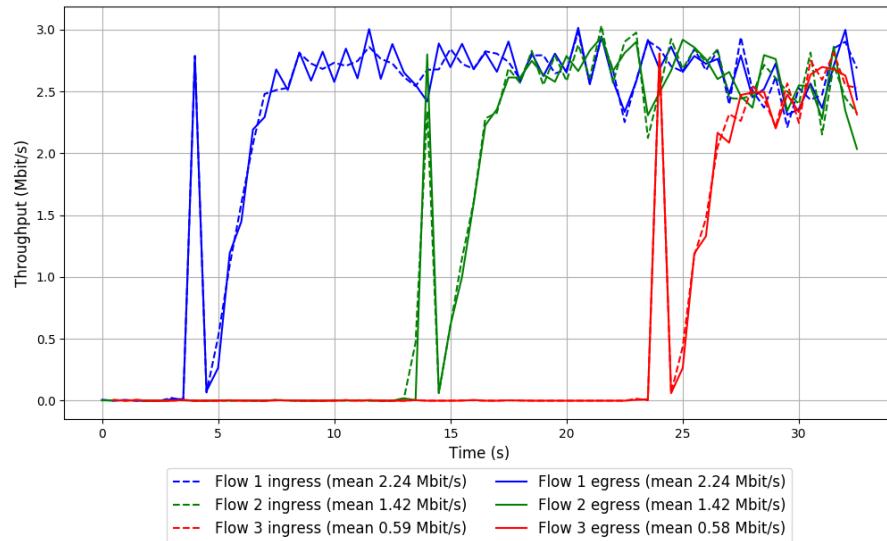
```
Run 3: Statistics of WebRTC media
```

```
Start at: 2018-01-26 16:49:20
```

```
End at: 2018-01-26 16:49:50
```

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 50.949 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 50.373 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 51.002 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 50.645 ms
Loss rate: 1.32%
```

Run 3: Report of WebRTC media — Data Link

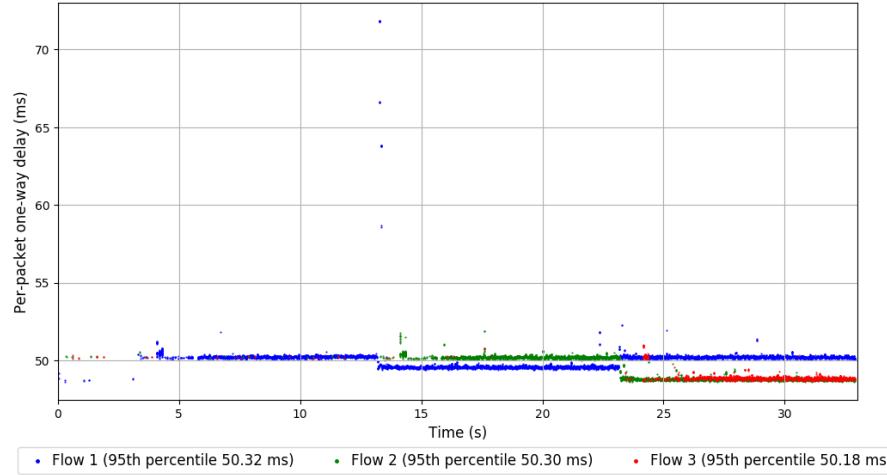
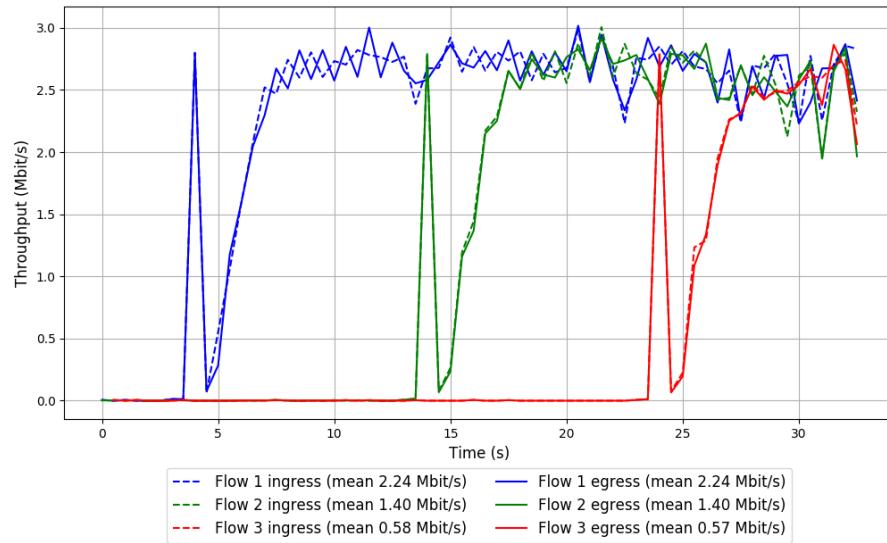


```
Run 4: Statistics of WebRTC media

Start at: 2018-01-26 17:03:52
End at: 2018-01-26 17:04:22

# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 50.314 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 50.324 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 50.301 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 50.178 ms
Loss rate: 1.26%
```

Run 4: Report of WebRTC media — Data Link

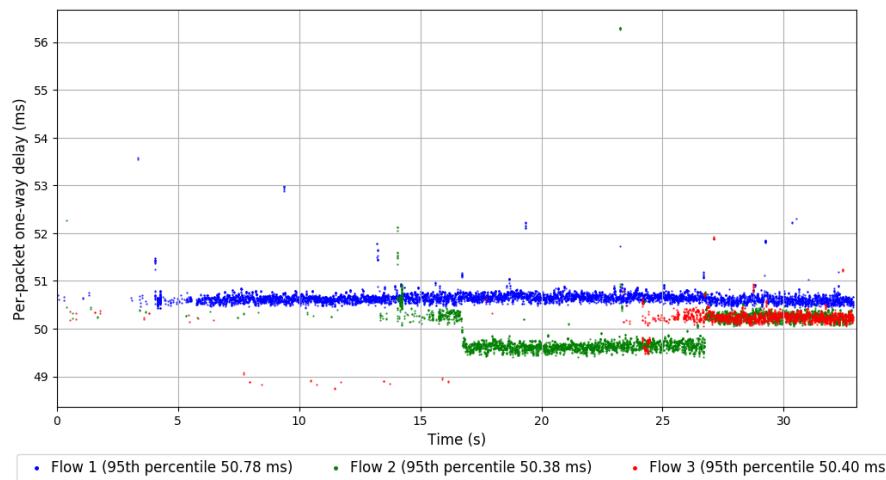
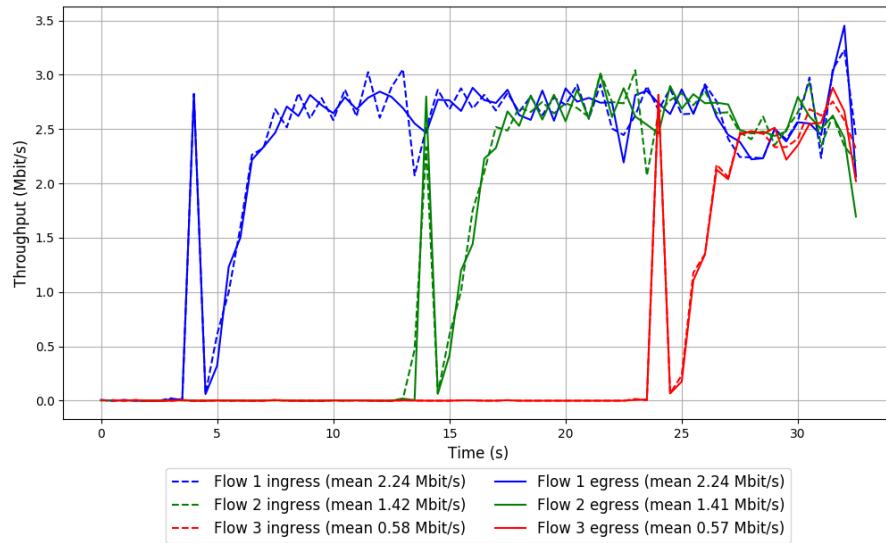


```
Run 5: Statistics of WebRTC media

Start at: 2018-01-26 17:18:19
End at: 2018-01-26 17:18:49

# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 50.750 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 50.776 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 50.381 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 50.402 ms
Loss rate: 1.35%
```

Run 5: Report of WebRTC media — Data Link

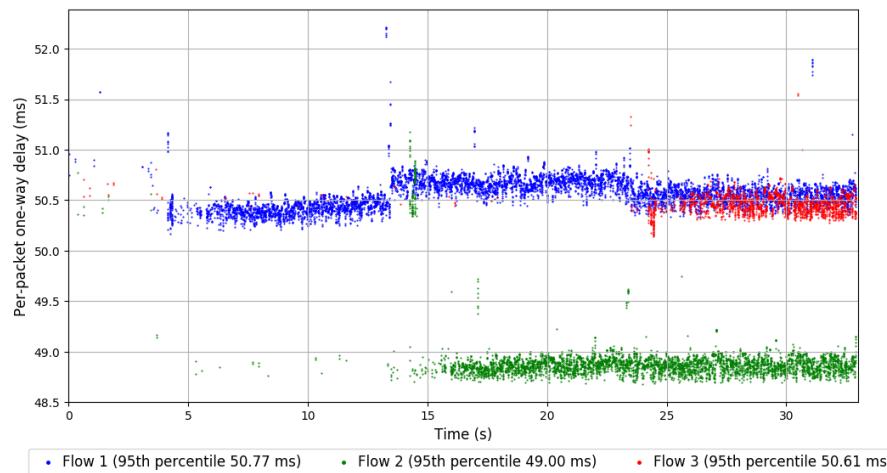
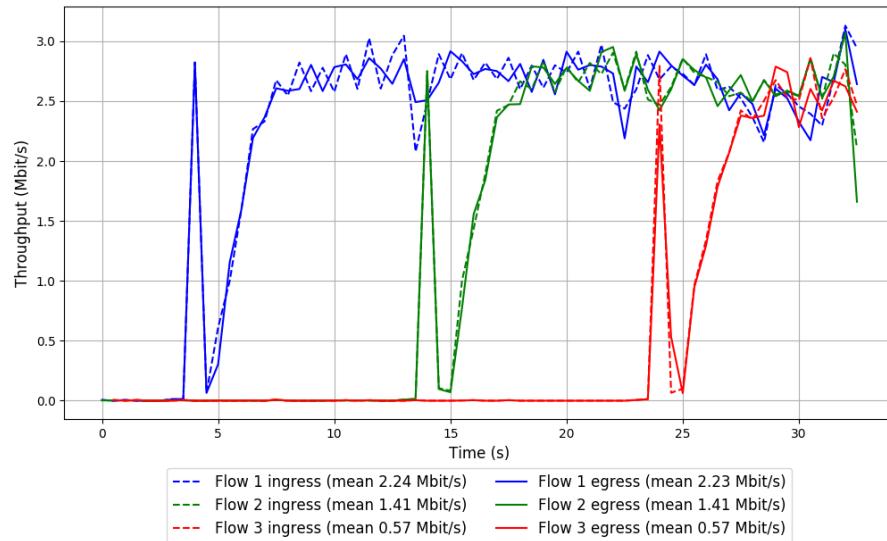


```
Run 6: Statistics of WebRTC media

Start at: 2018-01-26 17:32:52
End at: 2018-01-26 17:33:22

# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 50.737 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 50.767 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 49.003 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 50.606 ms
Loss rate: 1.27%
```

Run 6: Report of WebRTC media — Data Link

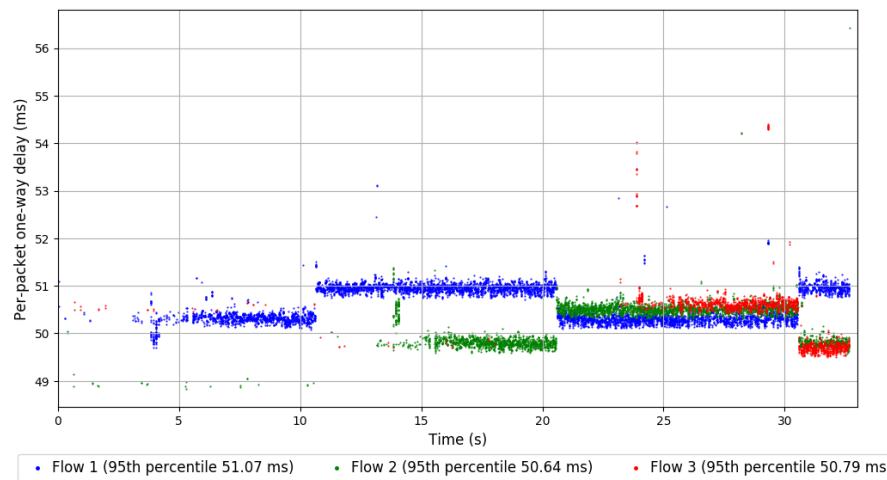
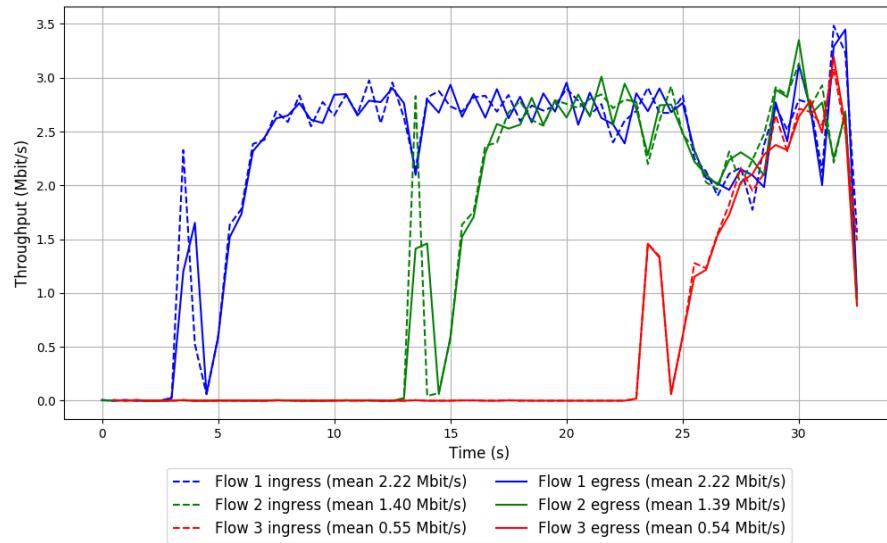


```
Run 7: Statistics of WebRTC media

Start at: 2018-01-26 17:47:05
End at: 2018-01-26 17:47:35

# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 51.030 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 51.066 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 50.639 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 50.791 ms
Loss rate: 2.25%
```

Run 7: Report of WebRTC media — Data Link

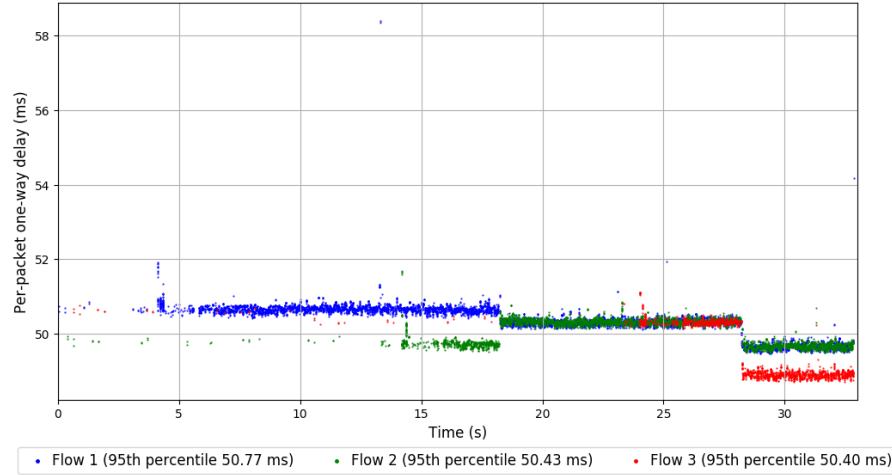
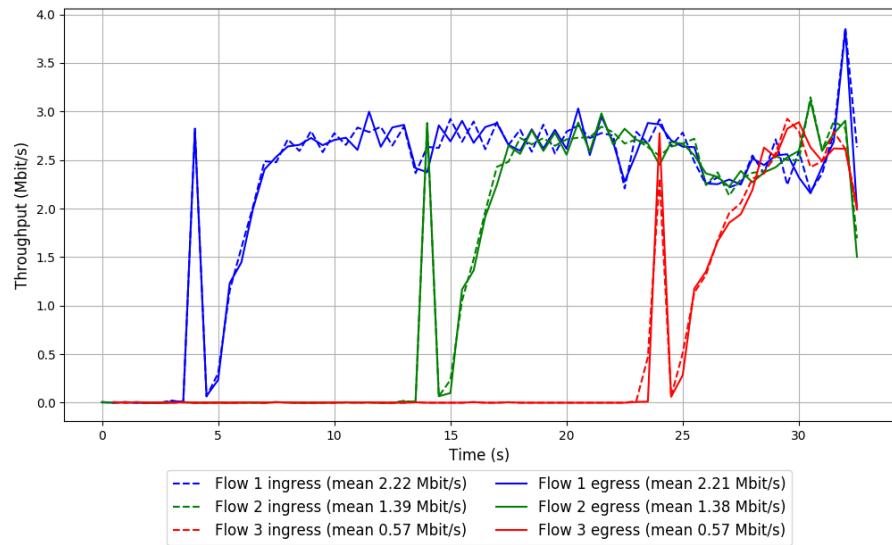


```
Run 8: Statistics of WebRTC media

Start at: 2018-01-26 18:01:27
End at: 2018-01-26 18:01:57

# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 50.737 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 50.770 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 50.432 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 50.402 ms
Loss rate: 0.78%
```

Run 8: Report of WebRTC media — Data Link



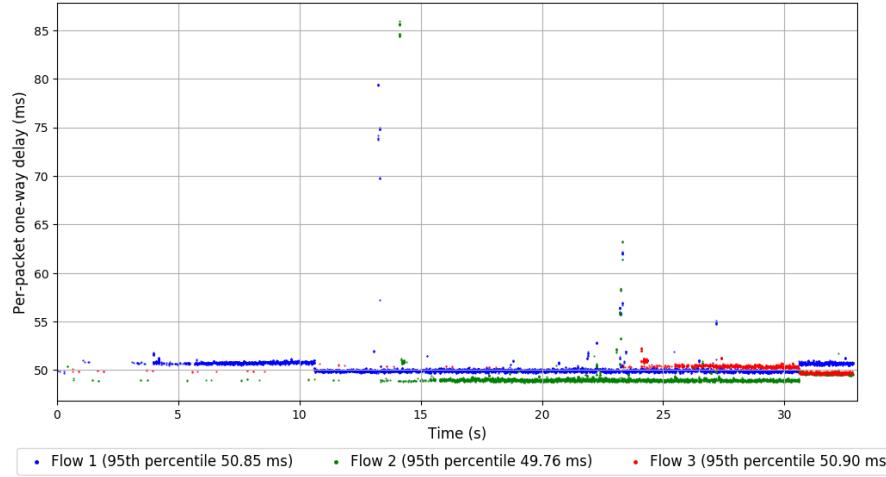
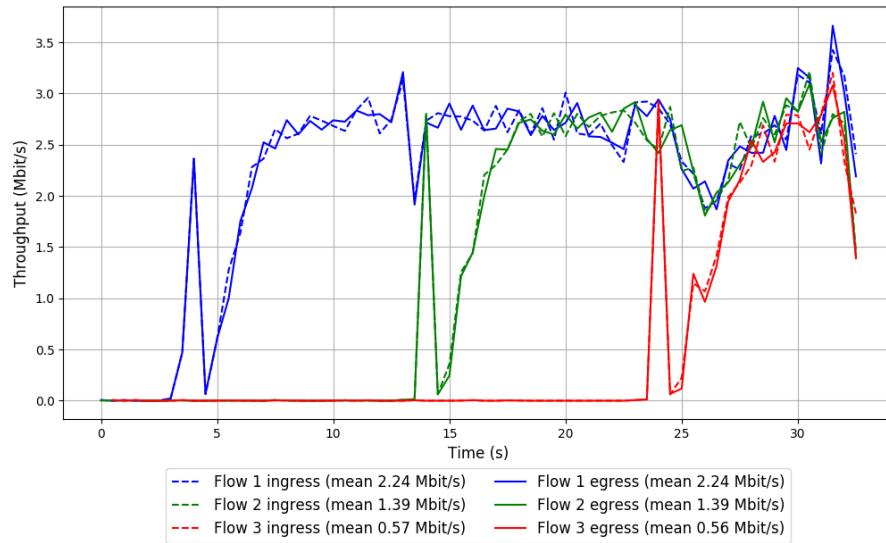
Run 9: Statistics of WebRTC media

Start at: 2018-01-26 18:15:55

End at: 2018-01-26 18:16:25

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 50.827 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 50.850 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 49.758 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 50.899 ms
Loss rate: 1.66%
```

Run 9: Report of WebRTC media — Data Link

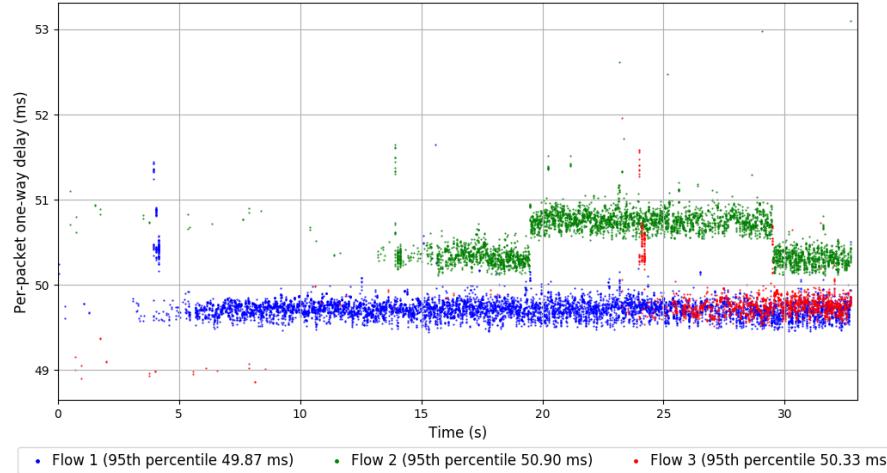
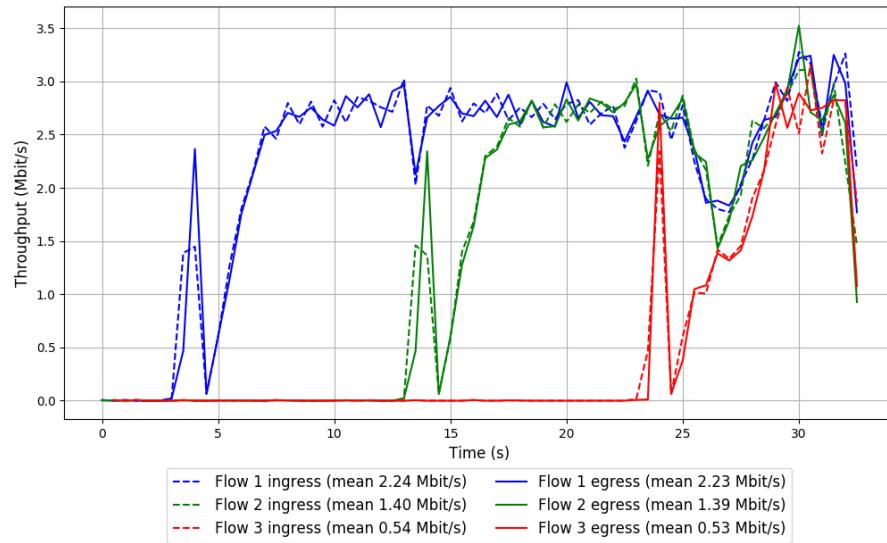


```
Run 10: Statistics of WebRTC media

Start at: 2018-01-26 18:30:16
End at: 2018-01-26 18:30:46

# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 50.820 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 49.873 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 50.902 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 50.332 ms
Loss rate: 2.25%
```

Run 10: Report of WebRTC media — Data Link



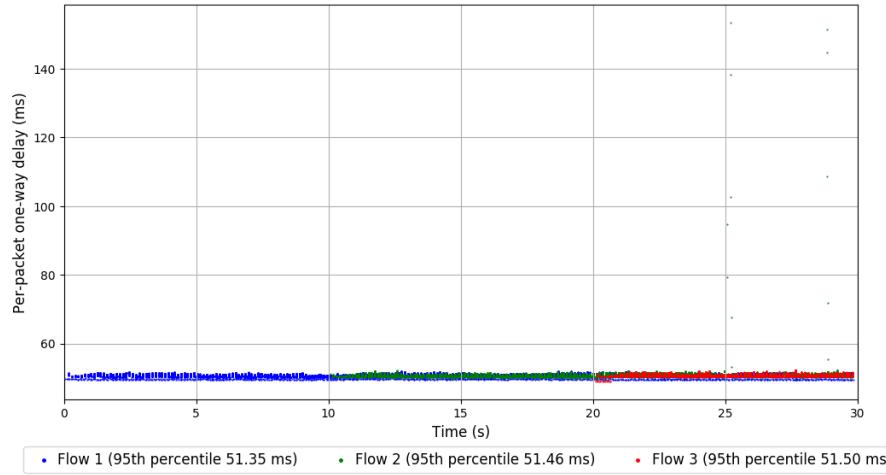
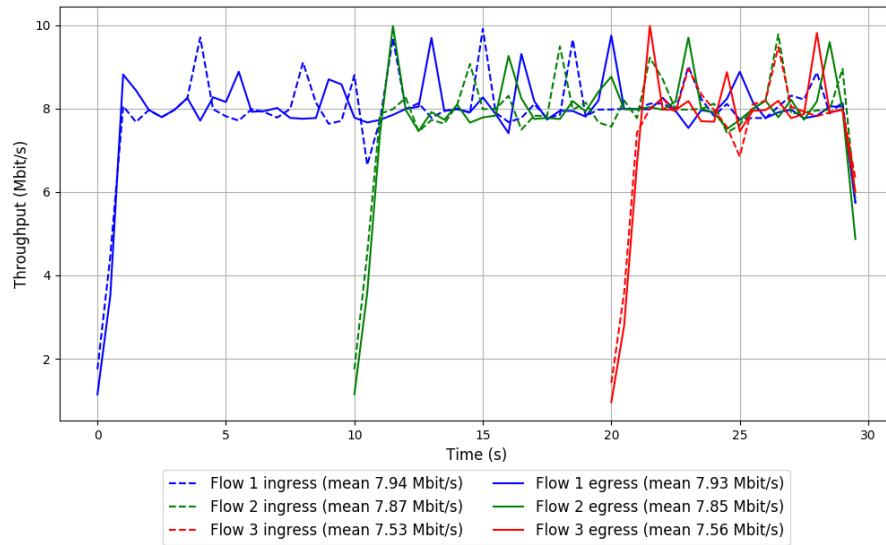
Run 1: Statistics of Sprout

Start at: 2018-01-26 16:23:02

End at: 2018-01-26 16:23:32

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.62 Mbit/s
95th percentile per-packet one-way delay: 51.413 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 51.349 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 51.458 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 7.56 Mbit/s
95th percentile per-packet one-way delay: 51.501 ms
Loss rate: 0.22%
```

Run 1: Report of Sprout — Data Link



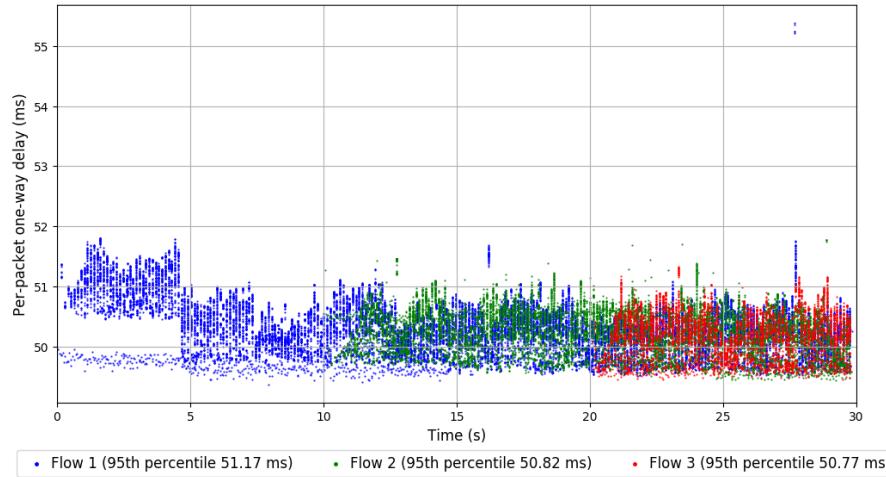
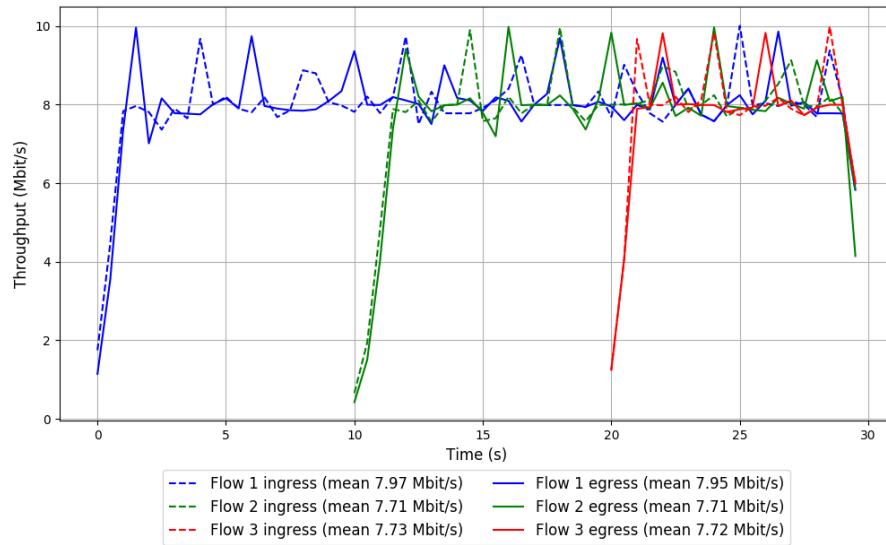
Run 2: Statistics of Sprout

Start at: 2018-01-26 16:37:28

End at: 2018-01-26 16:37:58

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 50.999 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 51.171 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 50.824 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 50.774 ms
Loss rate: 1.31%
```

Run 2: Report of Sprout — Data Link



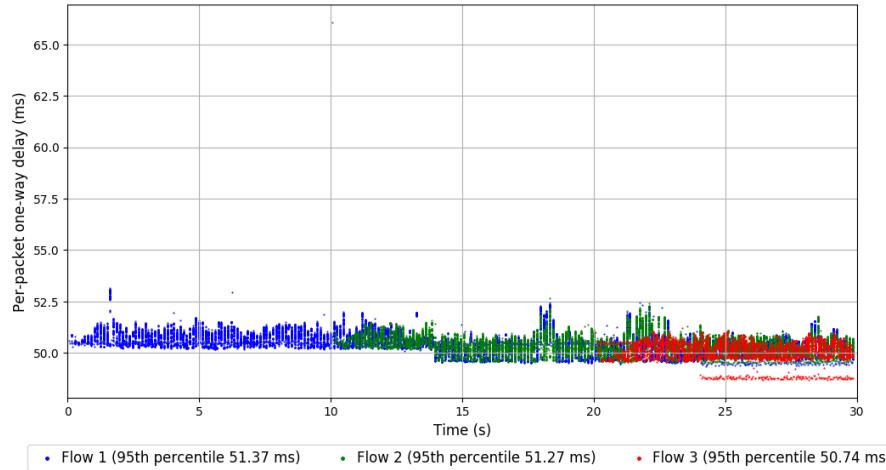
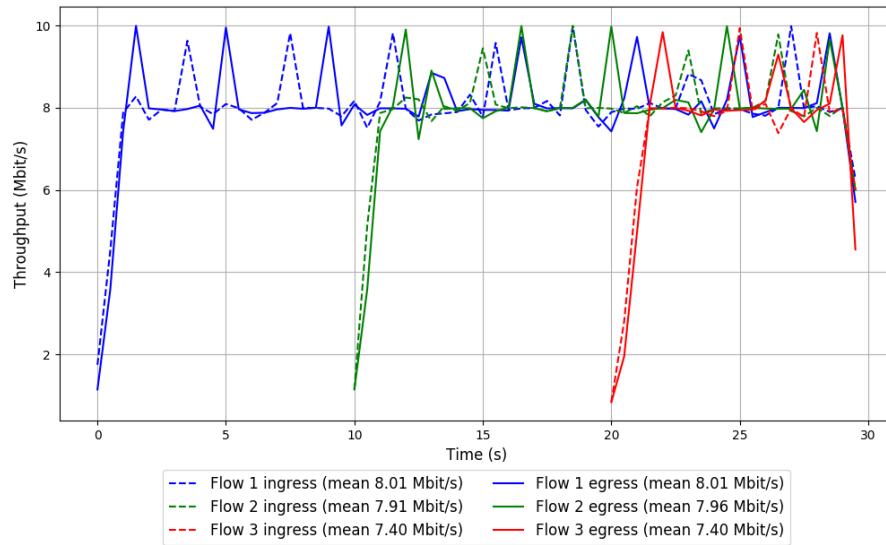
Run 3: Statistics of Sprout

Start at: 2018-01-26 16:51:58

End at: 2018-01-26 16:52:28

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.72 Mbit/s
95th percentile per-packet one-way delay: 51.279 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 51.370 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 51.265 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 50.738 ms
Loss rate: 0.99%
```

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



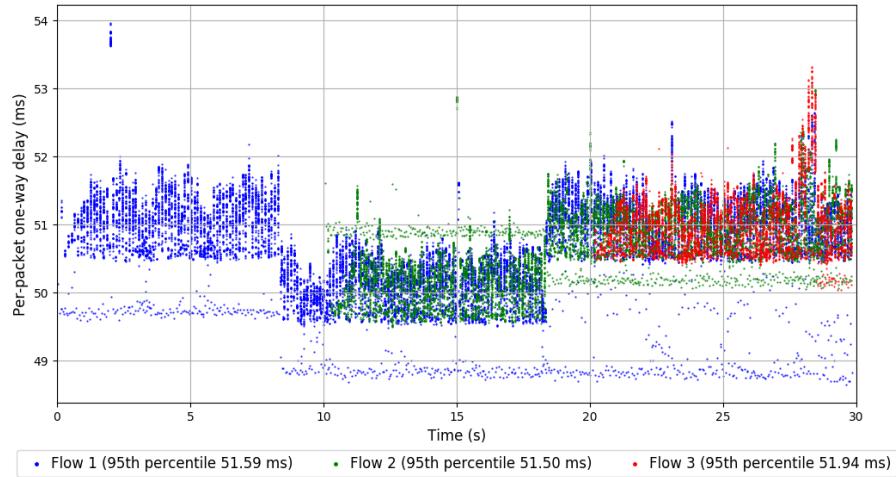
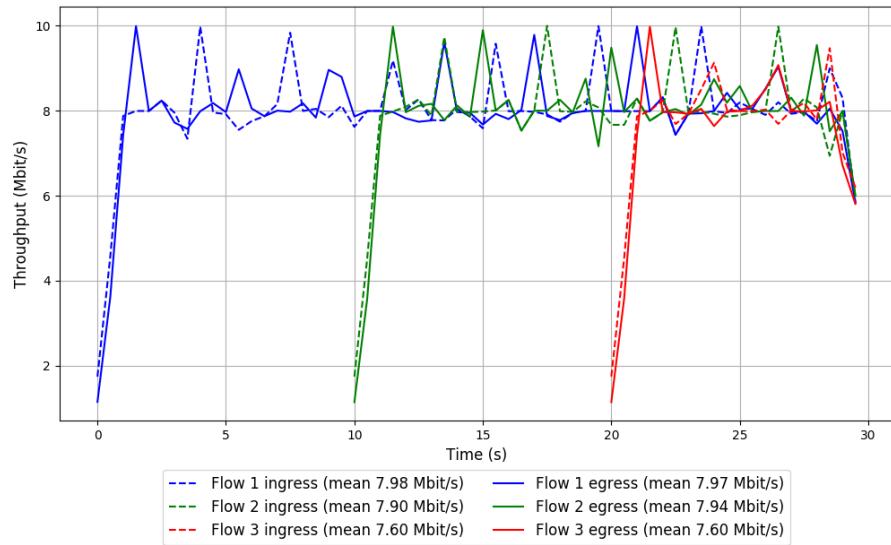
Run 4: Statistics of Sprout

Start at: 2018-01-26 17:06:34

End at: 2018-01-26 17:07:04

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.72 Mbit/s
95th percentile per-packet one-way delay: 51.592 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 51.593 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 51.497 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.60 Mbit/s
95th percentile per-packet one-way delay: 51.943 ms
Loss rate: 1.30%
```

Run 4: Report of Sprout — Data Link



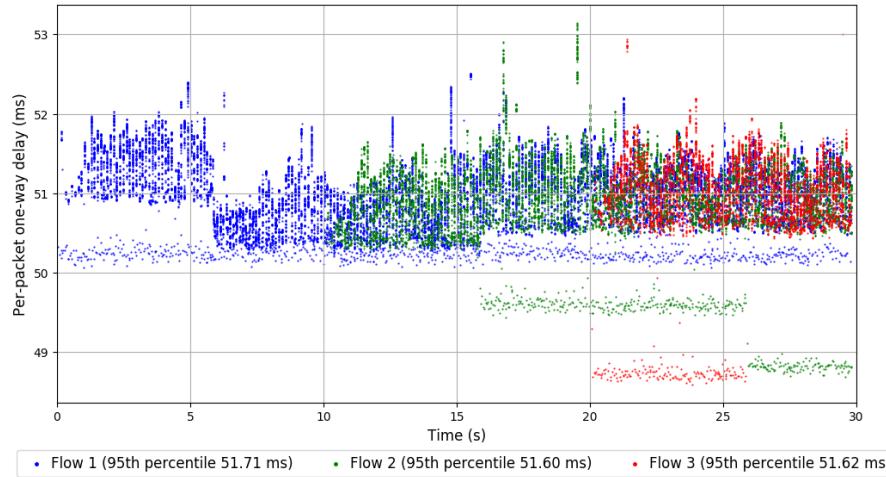
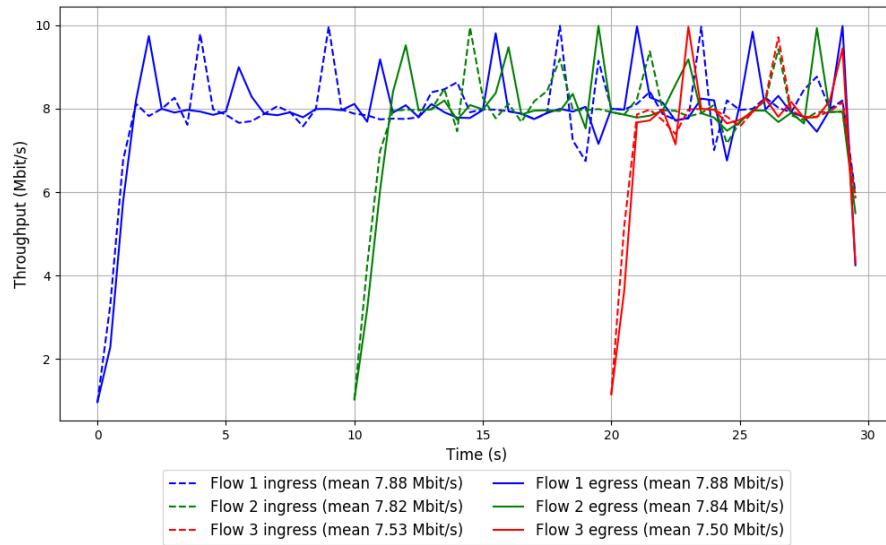
Run 5: Statistics of Sprout

Start at: 2018-01-26 17:20:56

End at: 2018-01-26 17:21:26

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.53 Mbit/s
95th percentile per-packet one-way delay: 51.661 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 51.706 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 7.84 Mbit/s
95th percentile per-packet one-way delay: 51.596 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 7.50 Mbit/s
95th percentile per-packet one-way delay: 51.625 ms
Loss rate: 1.18%
```

## Run 5: Report of Sprout — Data Link



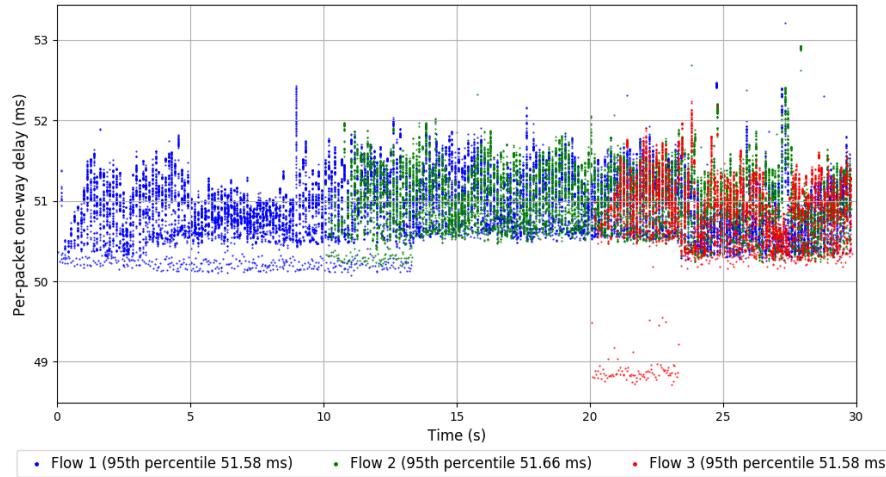
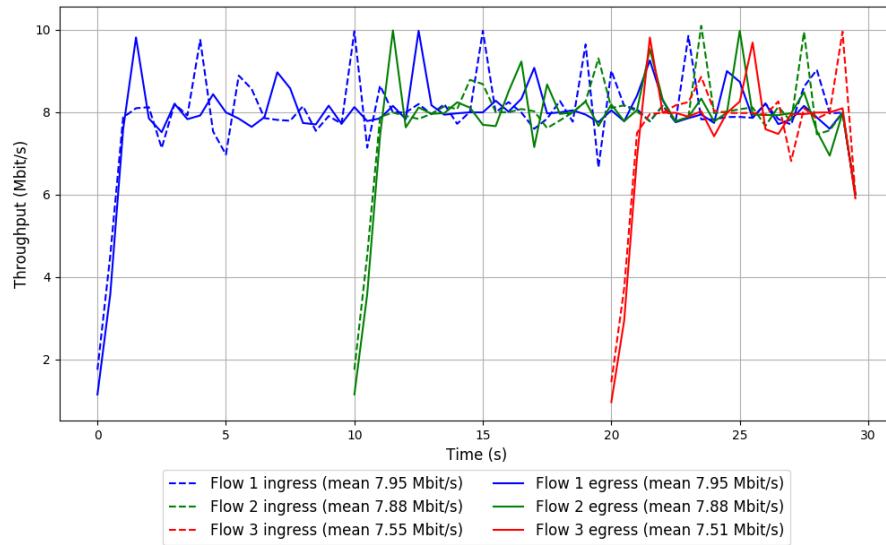
Run 6: Statistics of Sprout

Start at: 2018-01-26 17:35:29

End at: 2018-01-26 17:35:59

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 51.604 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 51.579 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 51.661 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 51.576 ms
Loss rate: 1.31%
```

## Run 6: Report of Sprout — Data Link



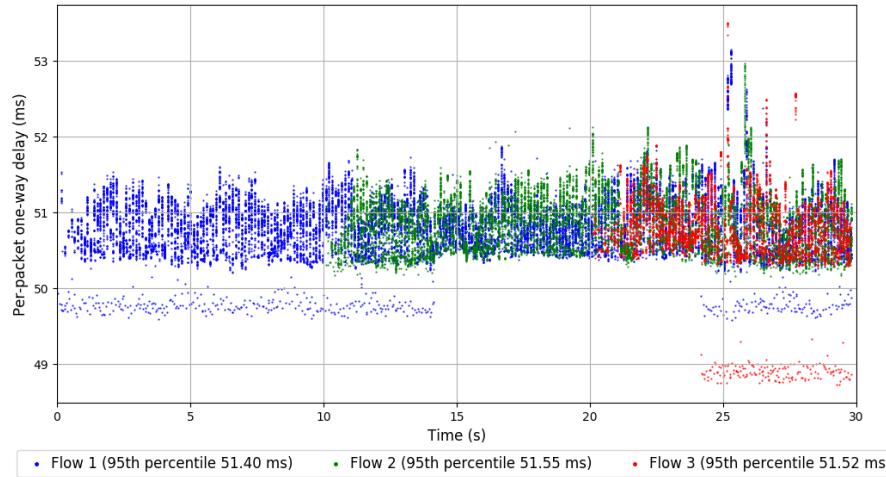
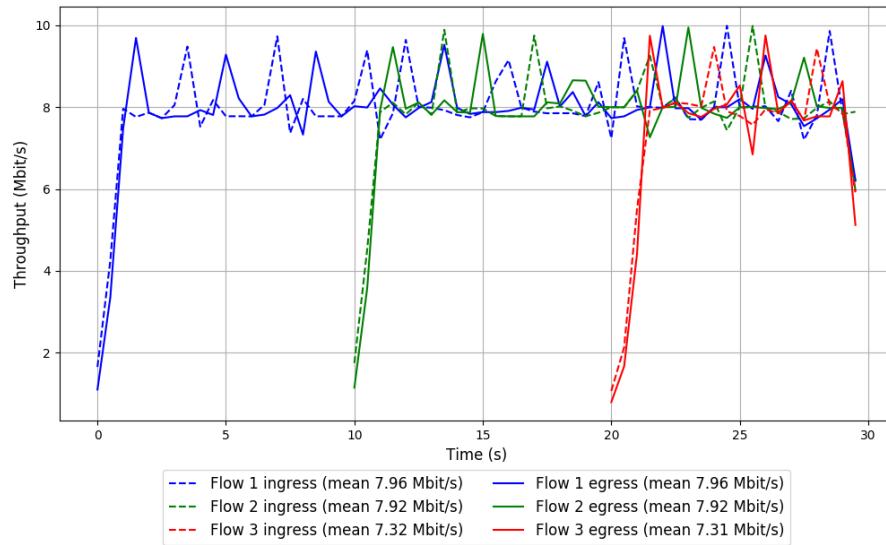
Run 7: Statistics of Sprout

Start at: 2018-01-26 17:49:38

End at: 2018-01-26 17:50:08

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.60 Mbit/s
95th percentile per-packet one-way delay: 51.478 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 51.399 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 51.555 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 51.519 ms
Loss rate: 1.37%
```

## Run 7: Report of Sprout — Data Link



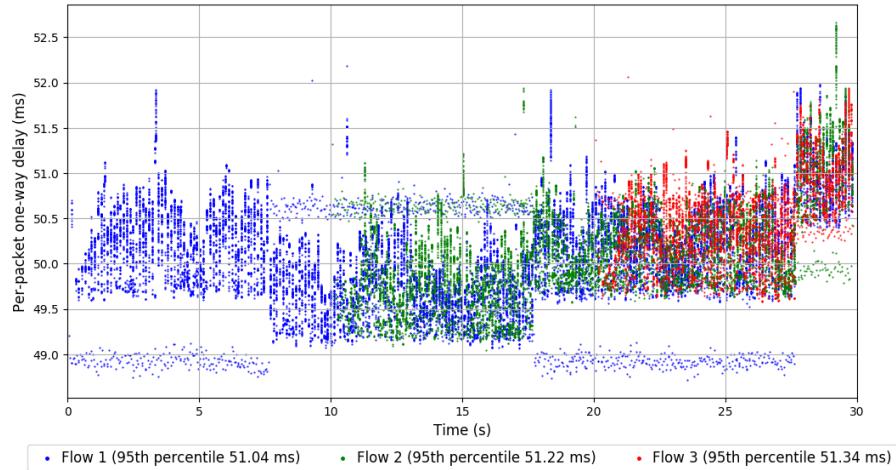
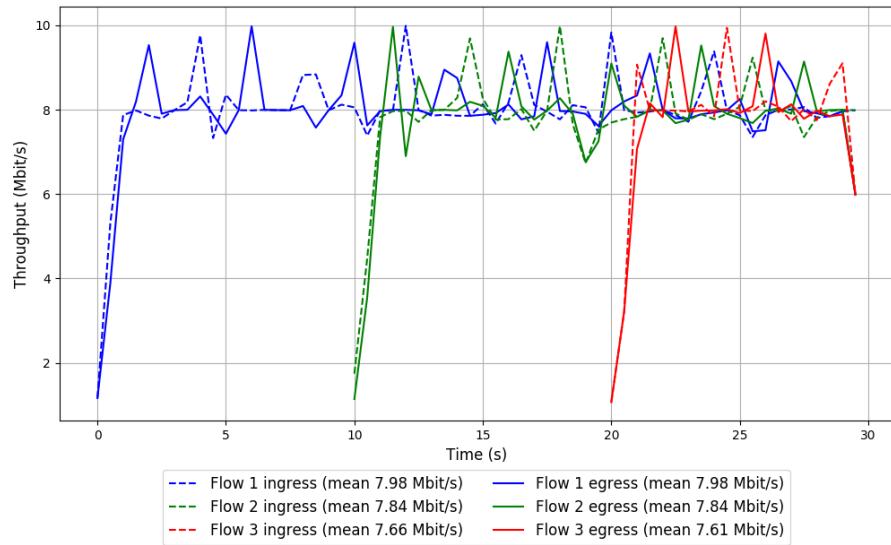
Run 8: Statistics of Sprout

Start at: 2018-01-26 18:04:05

End at: 2018-01-26 18:04:35

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.66 Mbit/s
95th percentile per-packet one-way delay: 51.179 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 51.041 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 7.84 Mbit/s
95th percentile per-packet one-way delay: 51.223 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 51.342 ms
Loss rate: 1.33%
```

Run 8: Report of Sprout — Data Link



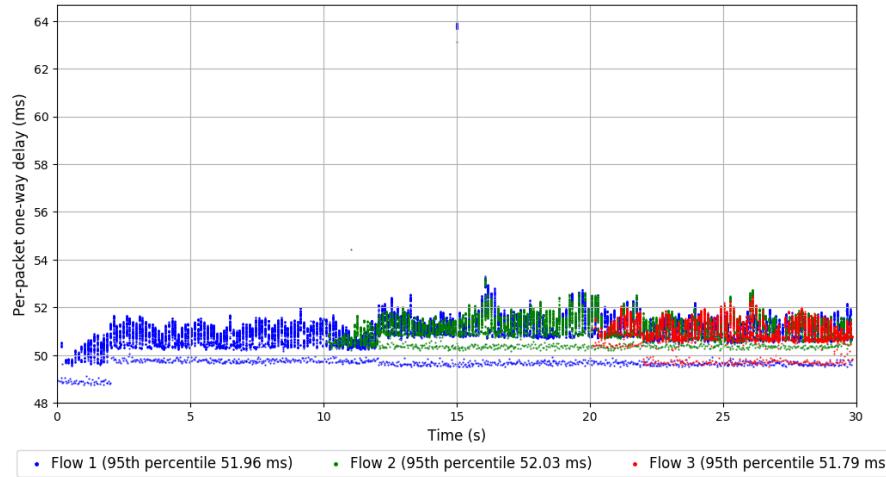
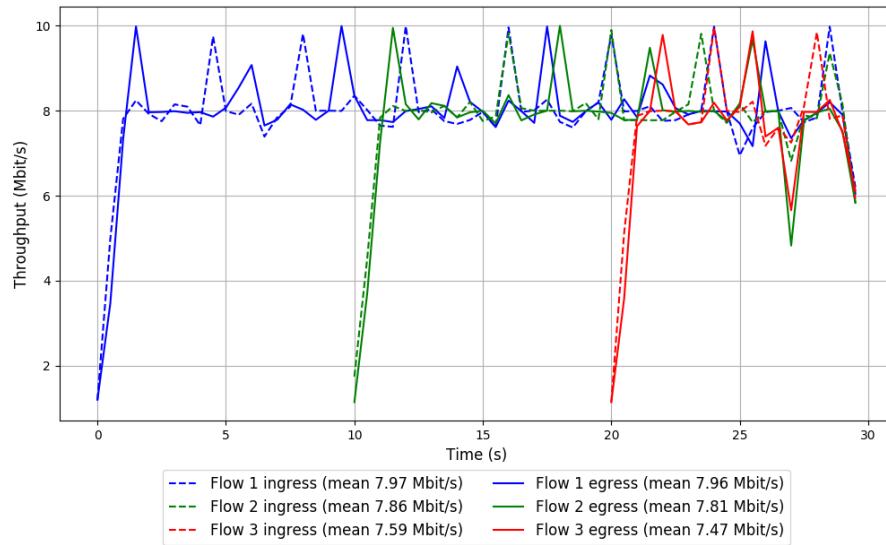
Run 9: Statistics of Sprout

Start at: 2018-01-26 18:18:30

End at: 2018-01-26 18:19:00

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.57 Mbit/s
95th percentile per-packet one-way delay: 51.942 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 51.956 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 52.026 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 51.789 ms
Loss rate: 2.25%
```

## Run 9: Report of Sprout — Data Link



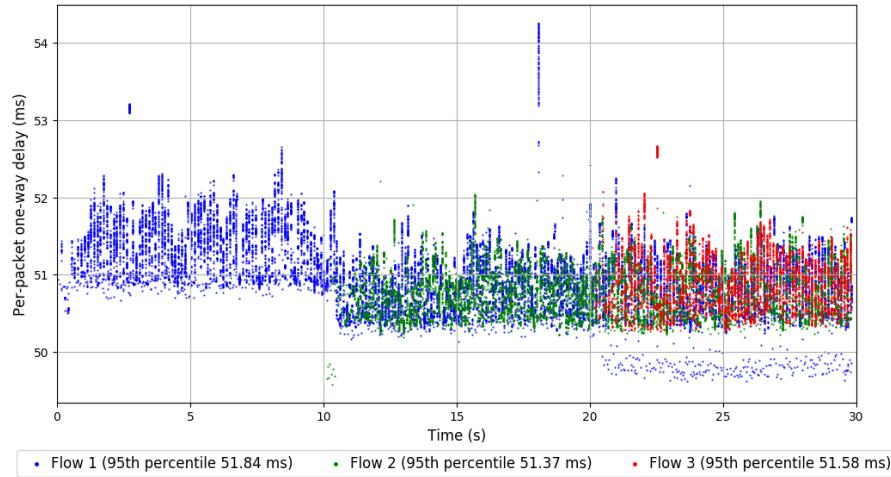
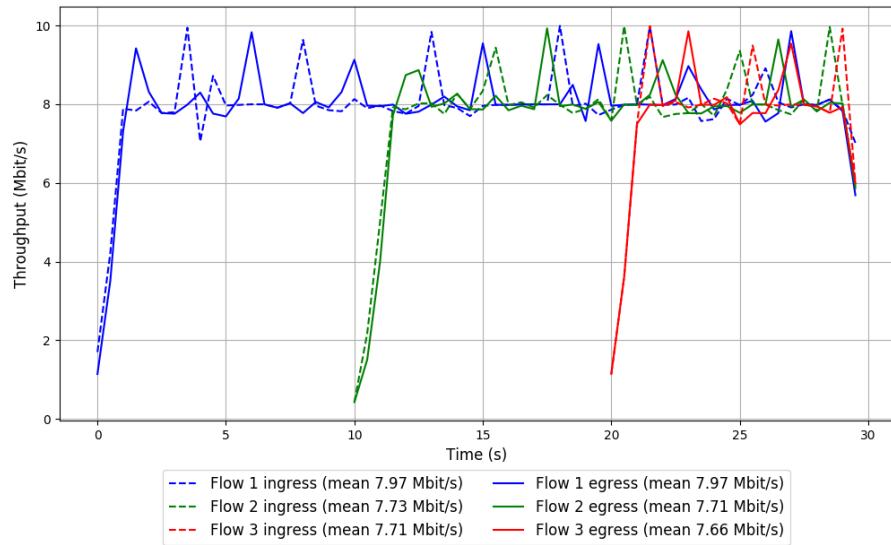
Run 10: Statistics of Sprout

Start at: 2018-01-26 18:32:52

End at: 2018-01-26 18:33:22

```
# Below is generated by plot.py at 2018-01-26 21:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.59 Mbit/s
95th percentile per-packet one-way delay: 51.724 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 51.843 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 51.369 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 51.583 ms
Loss rate: 1.32%
```

## Run 10: Report of Sprout — Data Link

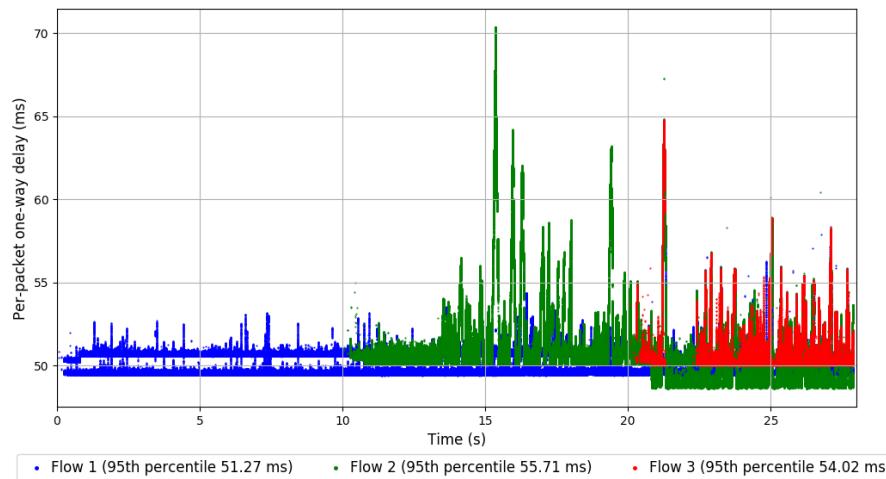
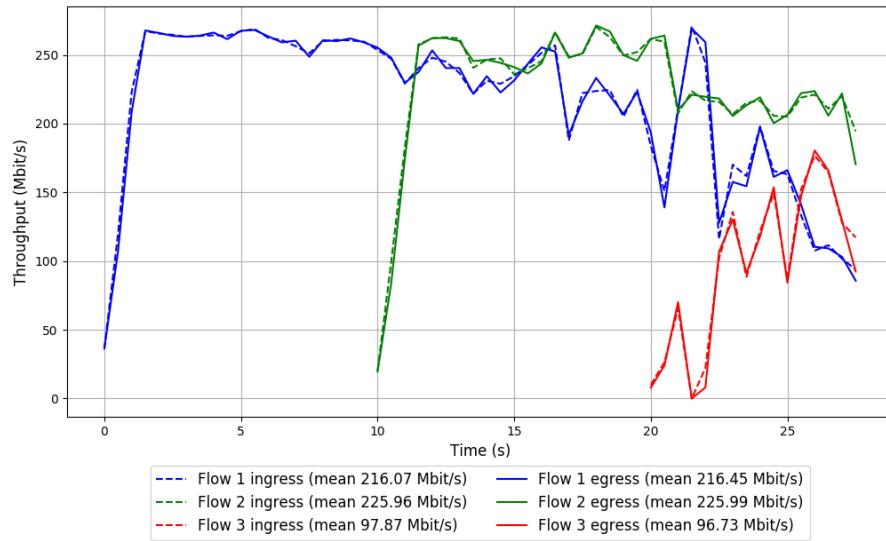


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-26 16:17:40
End at: 2018-01-26 16:18:10

# Below is generated by plot.py at 2018-01-26 21:42:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 388.25 Mbit/s
95th percentile per-packet one-way delay: 53.488 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 216.45 Mbit/s
95th percentile per-packet one-way delay: 51.268 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 225.99 Mbit/s
95th percentile per-packet one-way delay: 55.712 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 54.025 ms
Loss rate: 2.41%
```

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



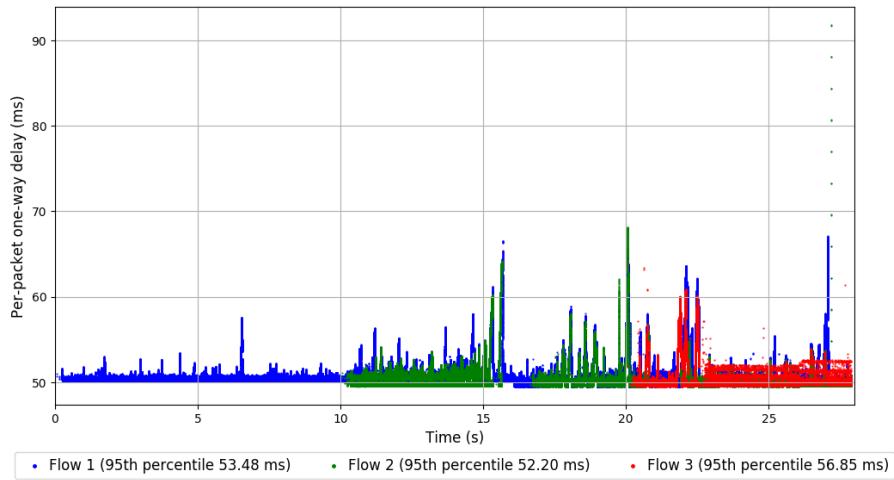
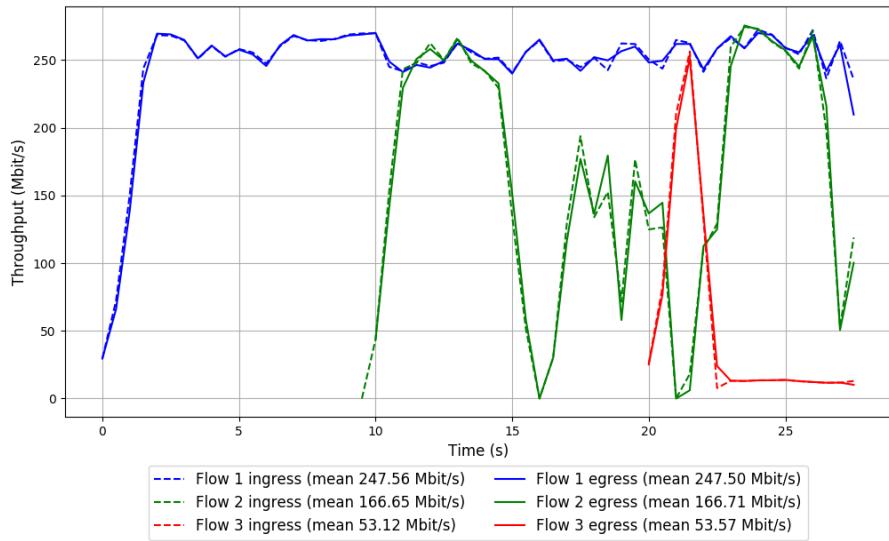
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-26 16:32:04

End at: 2018-01-26 16:32:34

```
# Below is generated by plot.py at 2018-01-26 21:42:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 369.41 Mbit/s
95th percentile per-packet one-way delay: 53.292 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 247.50 Mbit/s
95th percentile per-packet one-way delay: 53.484 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 166.71 Mbit/s
95th percentile per-packet one-way delay: 52.201 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 53.57 Mbit/s
95th percentile per-packet one-way delay: 56.850 ms
Loss rate: 0.47%
```

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



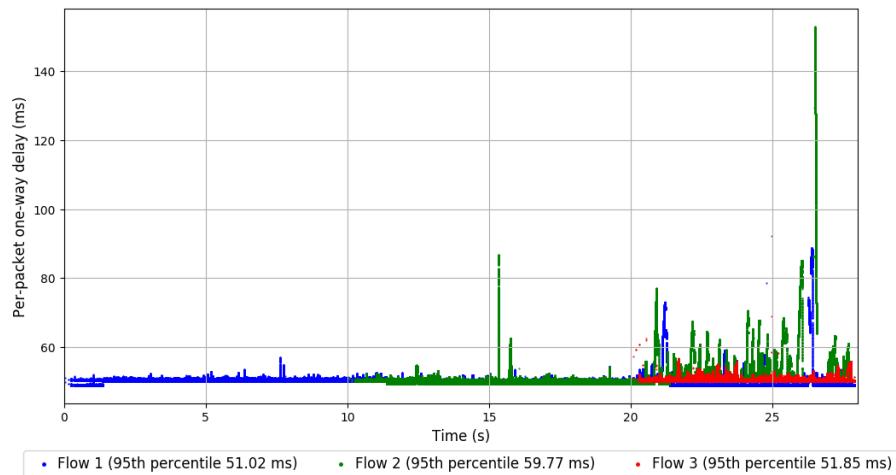
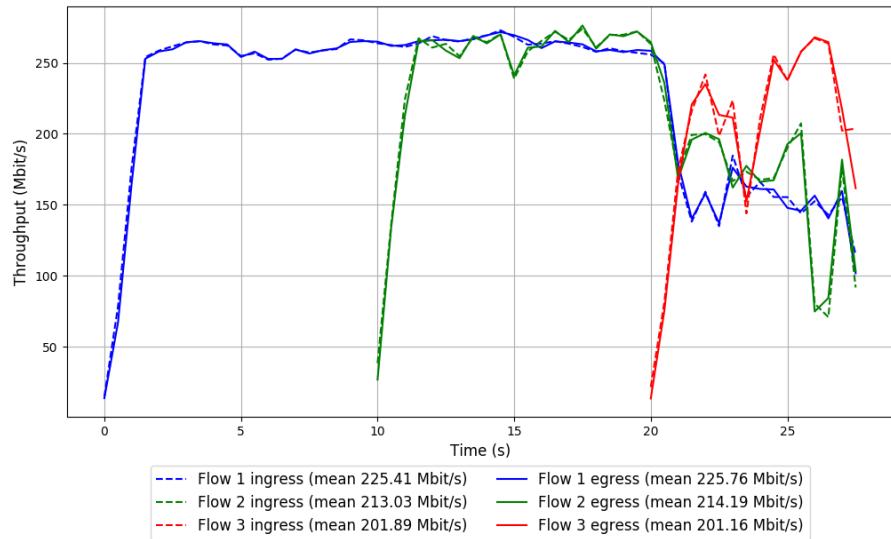
Run 3: Statistics of TaoVA-100x

Start at: 2018-01-26 16:46:29

End at: 2018-01-26 16:46:59

```
# Below is generated by plot.py at 2018-01-26 21:43:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 419.44 Mbit/s
95th percentile per-packet one-way delay: 54.009 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 225.76 Mbit/s
95th percentile per-packet one-way delay: 51.023 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 214.19 Mbit/s
95th percentile per-packet one-way delay: 59.772 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 201.16 Mbit/s
95th percentile per-packet one-way delay: 51.846 ms
Loss rate: 1.64%
```

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



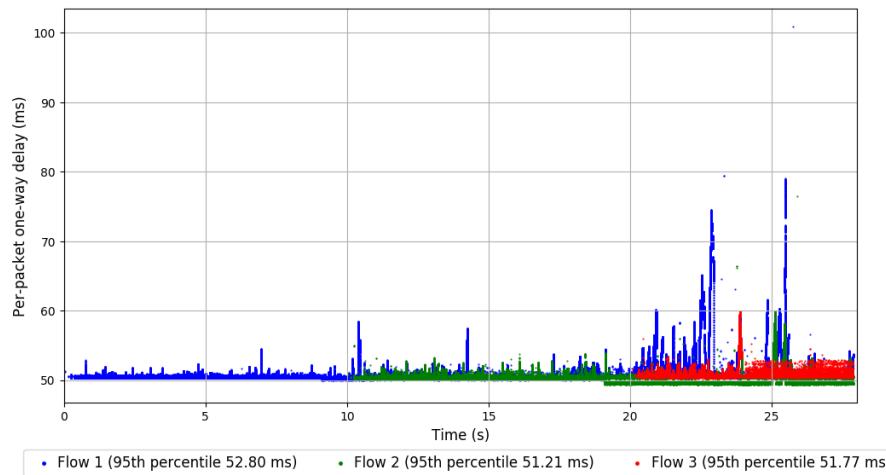
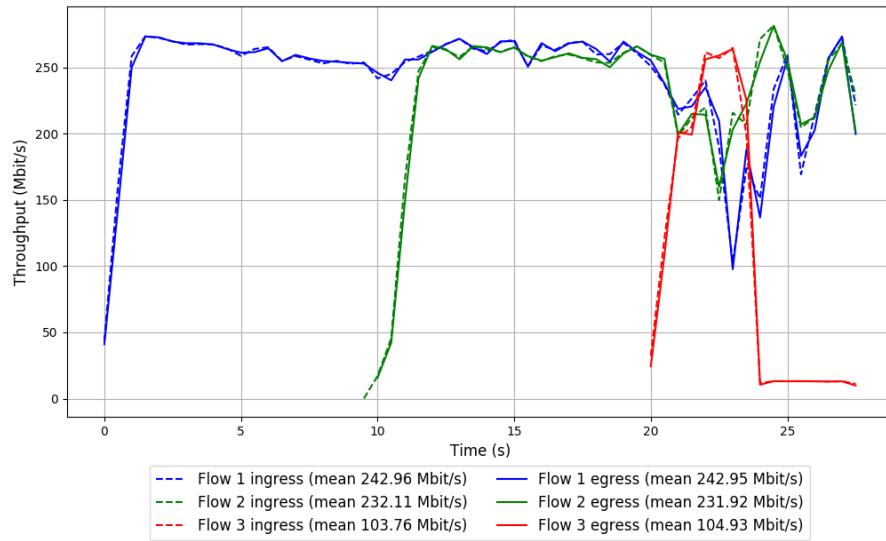
Run 4: Statistics of TaoVA-100x

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

End at: 2018-01-26 17:01:31

```
# Below is generated by plot.py at 2018-01-26 21:43:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.03 Mbit/s
95th percentile per-packet one-way delay: 51.982 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 242.95 Mbit/s
95th percentile per-packet one-way delay: 52.800 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 231.92 Mbit/s
95th percentile per-packet one-way delay: 51.212 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 104.93 Mbit/s
95th percentile per-packet one-way delay: 51.768 ms
Loss rate: 0.16%
```

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



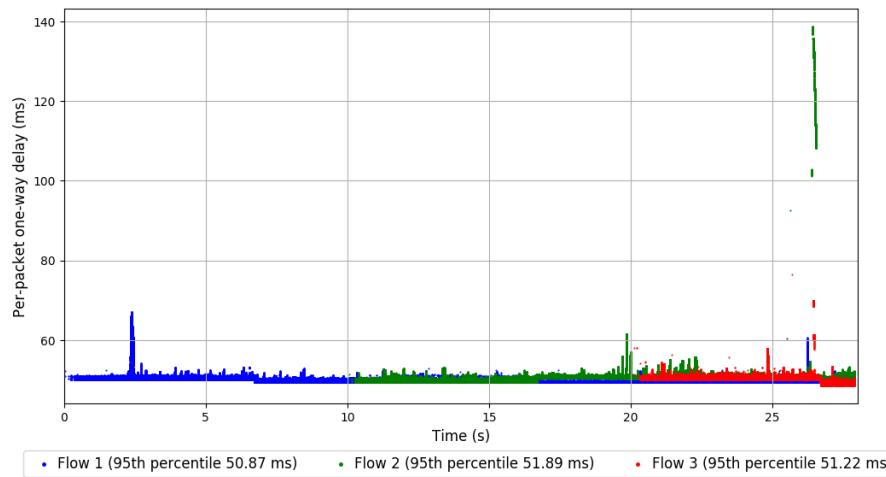
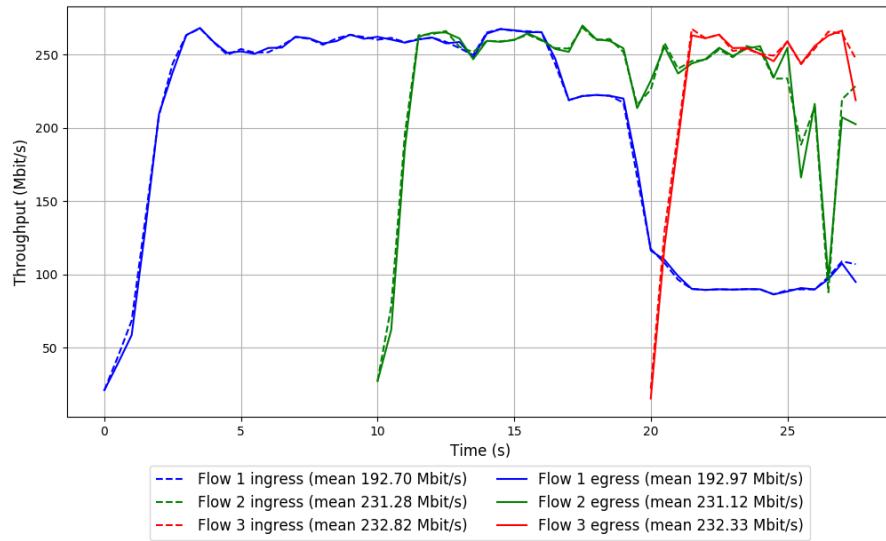
Run 5: Statistics of TaoVA-100x

Start at: 2018-01-26 17:15:34

End at: 2018-01-26 17:16:04

```
# Below is generated by plot.py at 2018-01-26 21:43:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 406.06 Mbit/s
95th percentile per-packet one-way delay: 51.239 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 192.97 Mbit/s
95th percentile per-packet one-way delay: 50.873 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 231.12 Mbit/s
95th percentile per-packet one-way delay: 51.890 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 232.33 Mbit/s
95th percentile per-packet one-way delay: 51.222 ms
Loss rate: 1.50%
```

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



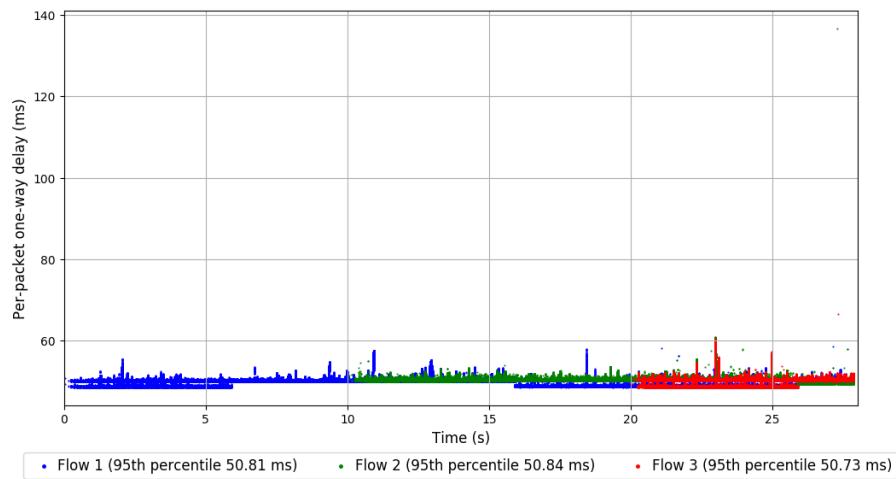
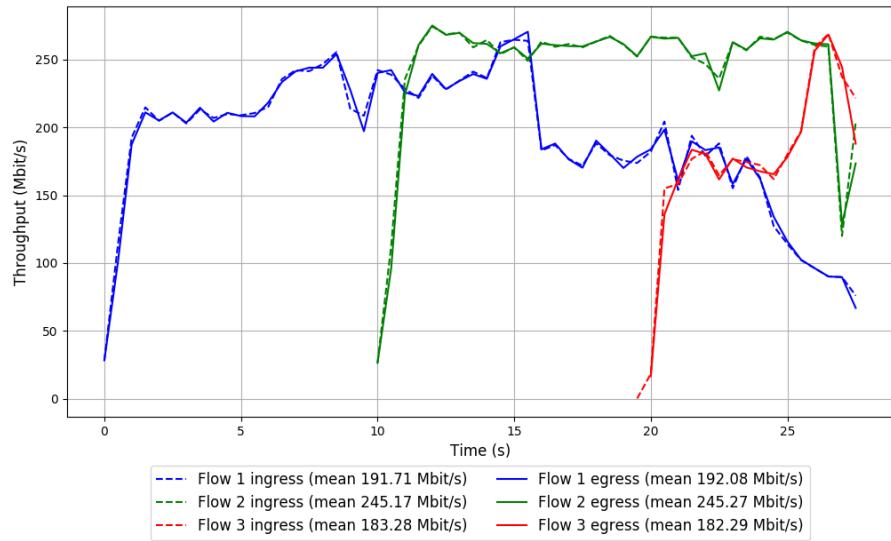
Run 6: Statistics of TaoVA-100x

Start at: 2018-01-26 17:30:04

End at: 2018-01-26 17:30:34

```
# Below is generated by plot.py at 2018-01-26 21:44:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 400.36 Mbit/s
95th percentile per-packet one-way delay: 50.813 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 192.08 Mbit/s
95th percentile per-packet one-way delay: 50.809 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 245.27 Mbit/s
95th percentile per-packet one-way delay: 50.841 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 182.29 Mbit/s
95th percentile per-packet one-way delay: 50.728 ms
Loss rate: 1.79%
```

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



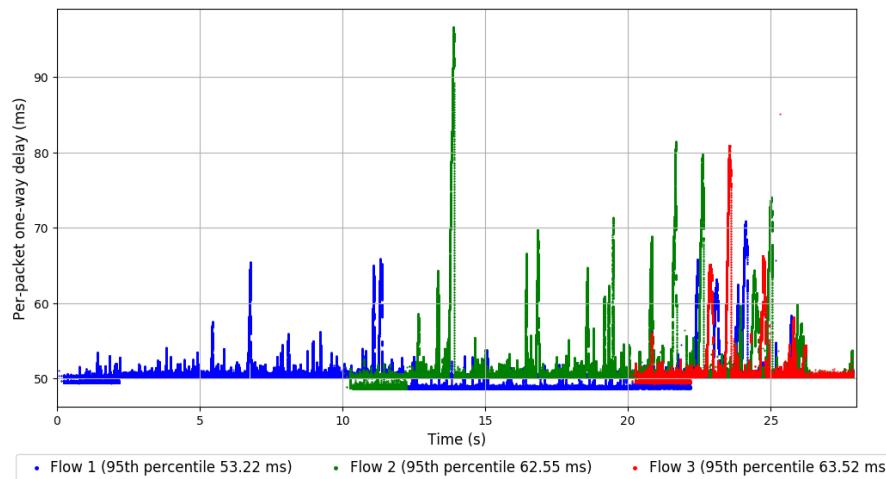
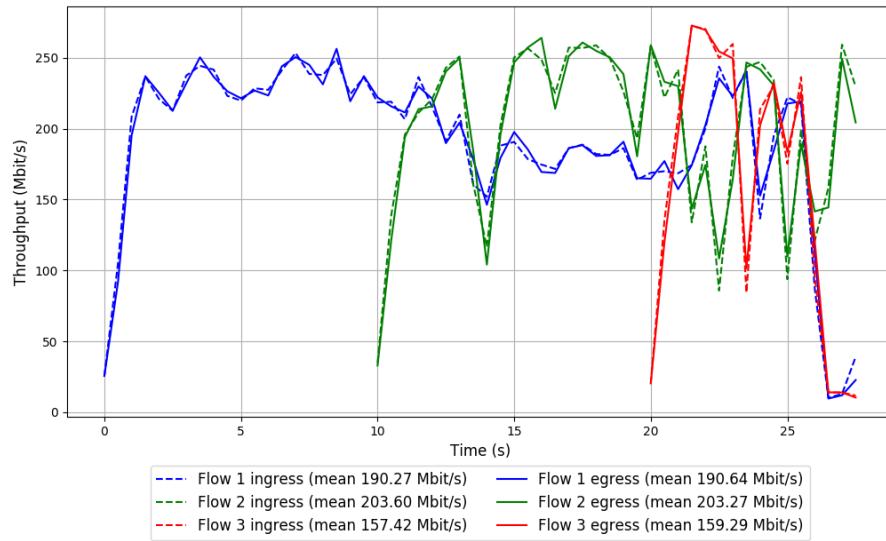
Run 7: Statistics of TaoVA-100x

Start at: 2018-01-26 17:44:18

End at: 2018-01-26 17:44:48

```
# Below is generated by plot.py at 2018-01-26 21:50:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.52 Mbit/s
95th percentile per-packet one-way delay: 58.157 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 190.64 Mbit/s
95th percentile per-packet one-way delay: 53.216 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 203.27 Mbit/s
95th percentile per-packet one-way delay: 62.551 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 159.29 Mbit/s
95th percentile per-packet one-way delay: 63.523 ms
Loss rate: 0.12%
```

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



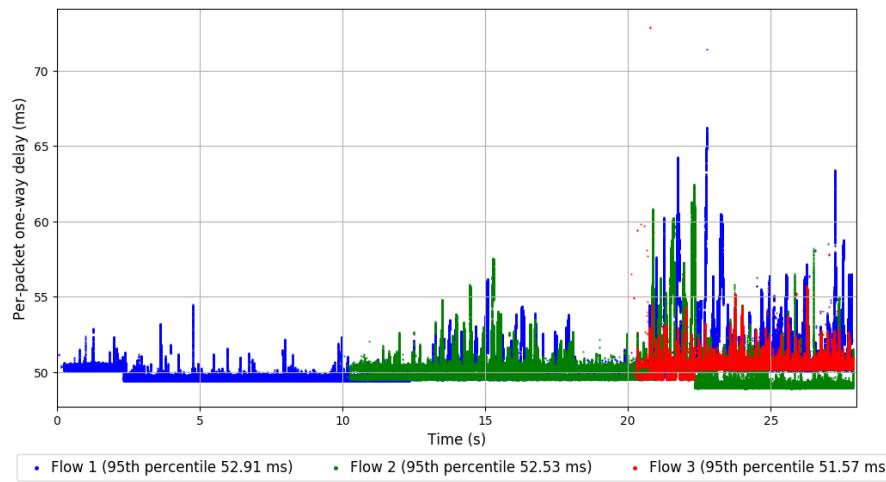
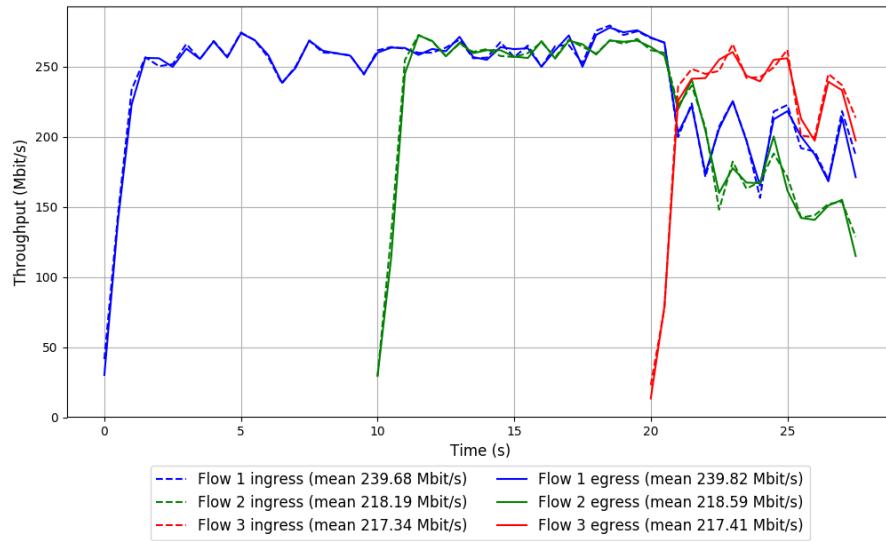
Run 8: Statistics of TaoVA-100x

Start at: 2018-01-26 17:58:38

End at: 2018-01-26 17:59:08

```
# Below is generated by plot.py at 2018-01-26 21:53:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 440.68 Mbit/s
95th percentile per-packet one-way delay: 52.541 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 239.82 Mbit/s
95th percentile per-packet one-way delay: 52.908 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 218.59 Mbit/s
95th percentile per-packet one-way delay: 52.526 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 217.41 Mbit/s
95th percentile per-packet one-way delay: 51.570 ms
Loss rate: 1.27%
```

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



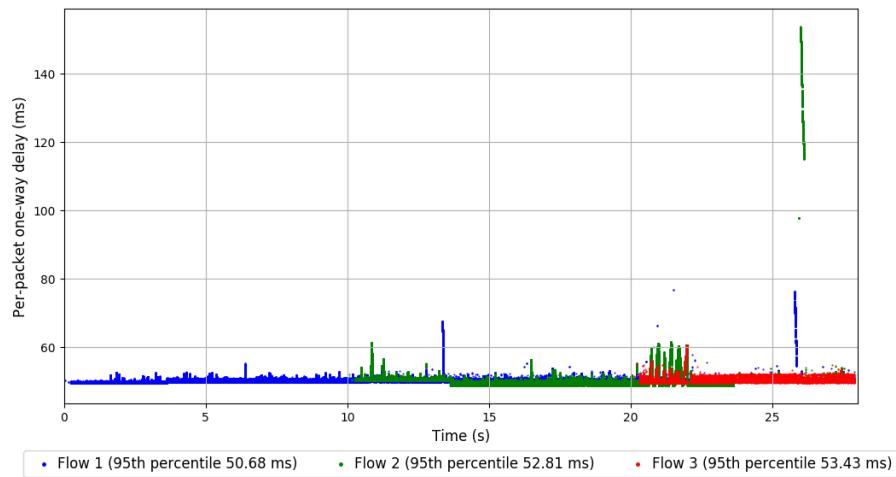
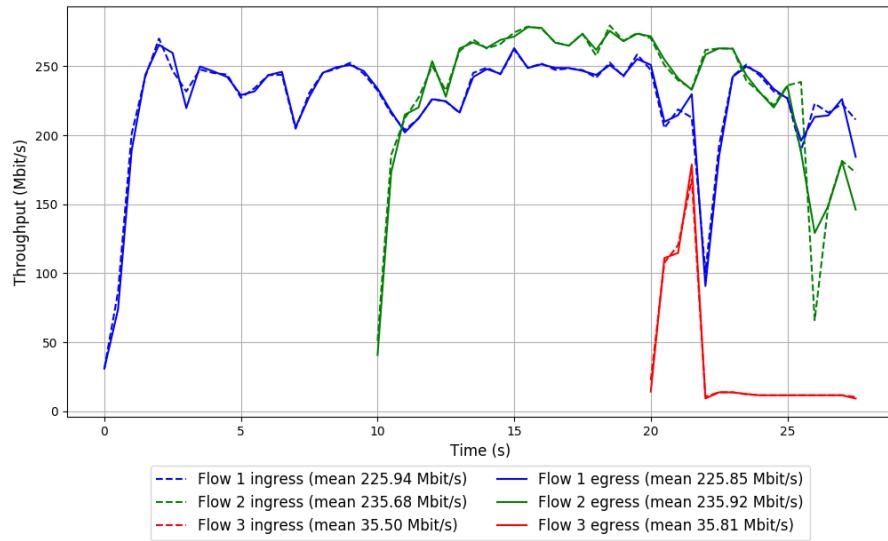
Run 9: Statistics of TaoVA-100x

Start at: 2018-01-26 18:13:07

End at: 2018-01-26 18:13:37

```
# Below is generated by plot.py at 2018-01-26 21:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 386.95 Mbit/s
95th percentile per-packet one-way delay: 51.157 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 225.85 Mbit/s
95th percentile per-packet one-way delay: 50.679 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 235.92 Mbit/s
95th percentile per-packet one-way delay: 52.809 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 35.81 Mbit/s
95th percentile per-packet one-way delay: 53.434 ms
Loss rate: 0.42%
```

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



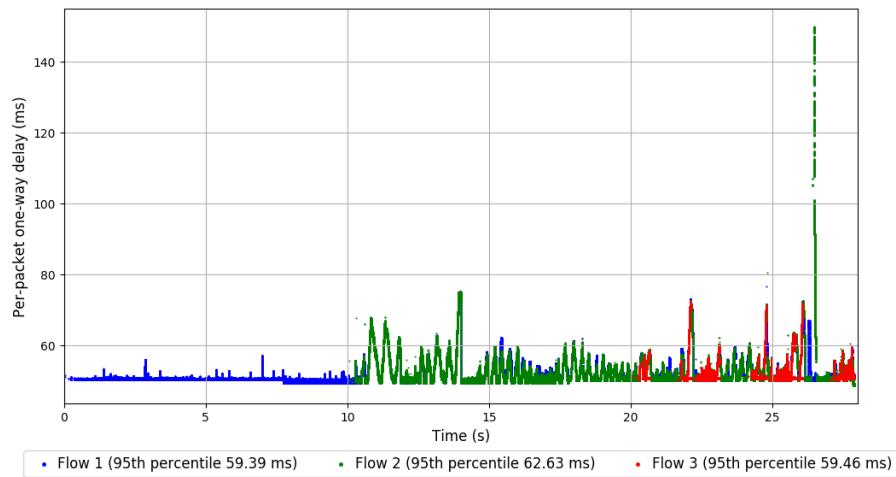
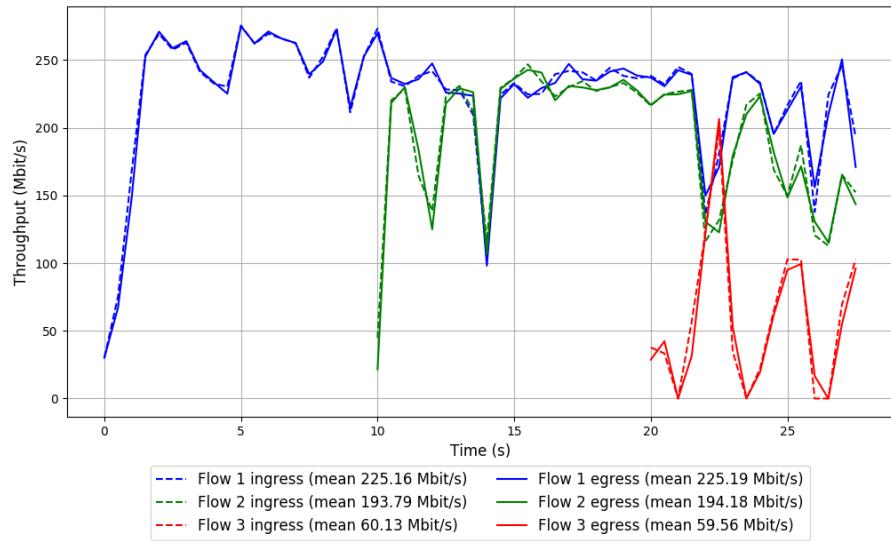
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-26 18:27:33

End at: 2018-01-26 18:28:03

```
# Below is generated by plot.py at 2018-01-26 21:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 366.19 Mbit/s
95th percentile per-packet one-way delay: 60.408 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 225.19 Mbit/s
95th percentile per-packet one-way delay: 59.391 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 194.18 Mbit/s
95th percentile per-packet one-way delay: 62.631 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 59.56 Mbit/s
95th percentile per-packet one-way delay: 59.464 ms
Loss rate: 2.23%
```

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

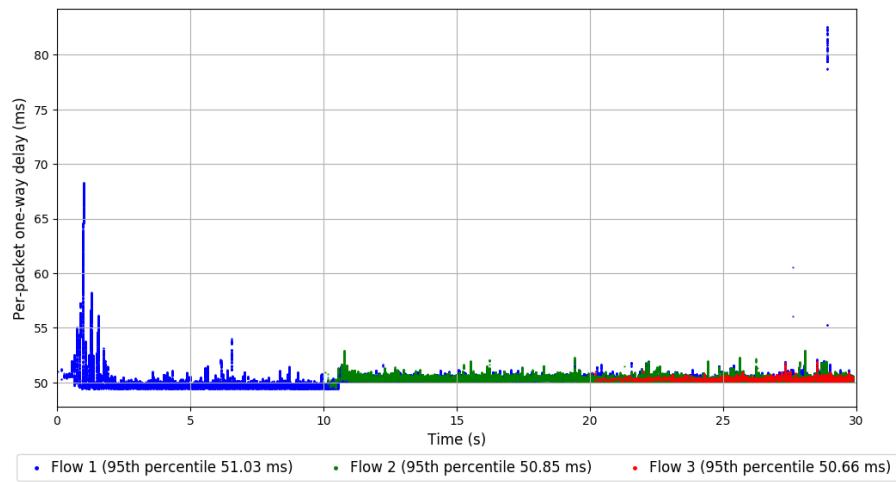
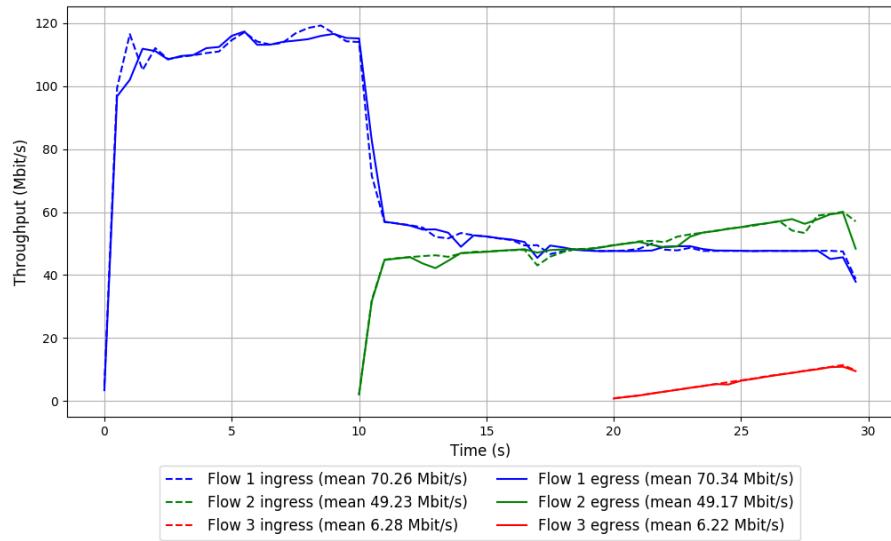


```
Run 1: Statistics of TCP Vegas

Start at: 2018-01-26 16:23:42
End at: 2018-01-26 16:24:12

# Below is generated by plot.py at 2018-01-26 21:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 105.05 Mbit/s
95th percentile per-packet one-way delay: 50.935 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 70.34 Mbit/s
95th percentile per-packet one-way delay: 51.031 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 50.848 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 6.22 Mbit/s
95th percentile per-packet one-way delay: 50.665 ms
Loss rate: 2.05%
```

Run 1: Report of TCP Vegas — Data Link

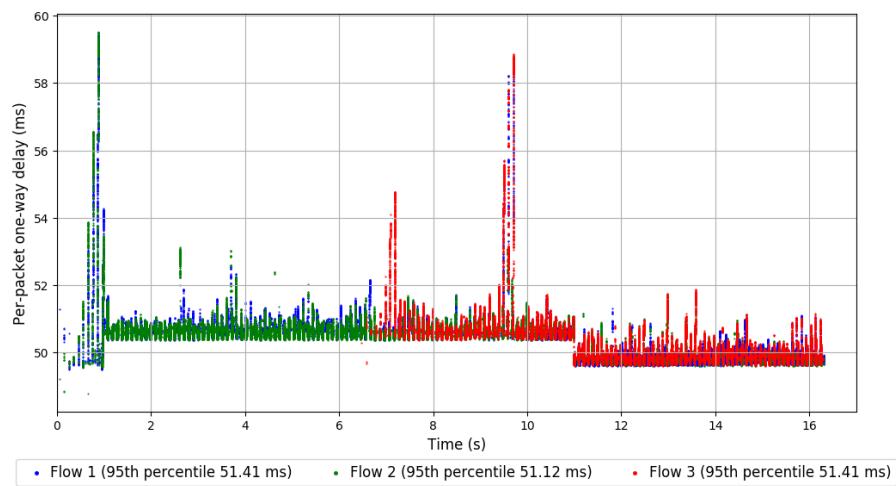
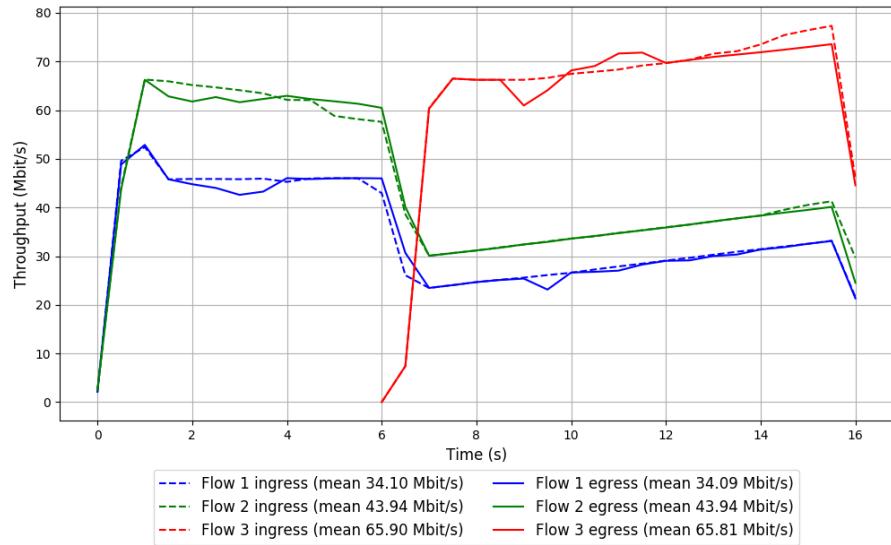


Run 2: Statistics of TCP Vegas

Start at: 2018-01-26 16:38:08

End at: 2018-01-26 16:38:38

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



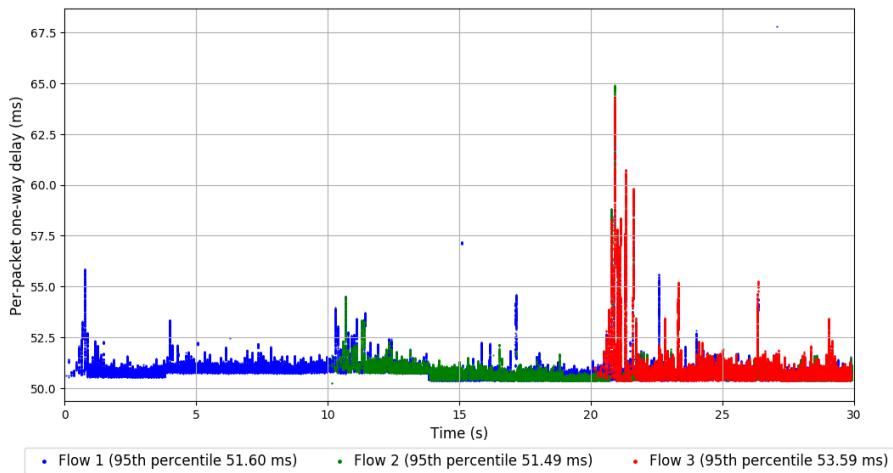
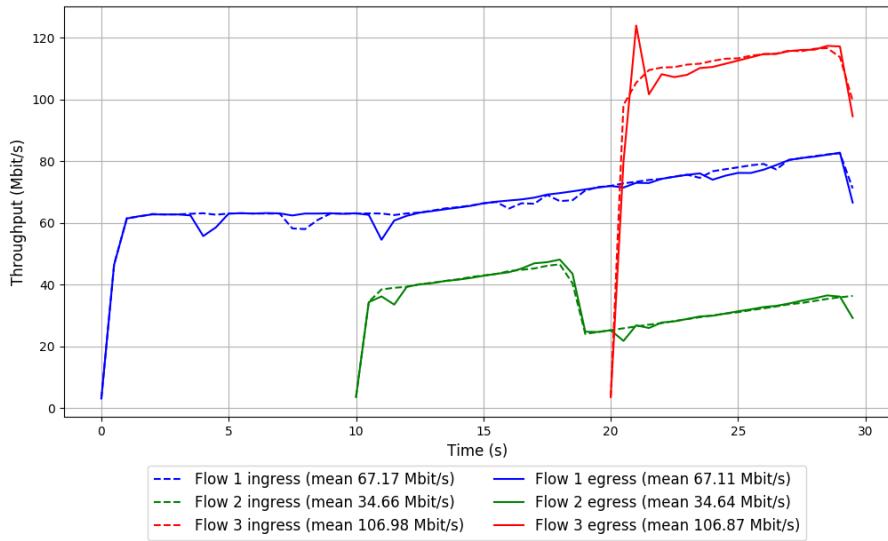
Run 3: Statistics of TCP Vegas

Start at: 2018-01-26 16:52:39

End at: 2018-01-26 16:53:09

```
# Below is generated by plot.py at 2018-01-26 21:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.29 Mbit/s
95th percentile per-packet one-way delay: 51.930 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 67.11 Mbit/s
95th percentile per-packet one-way delay: 51.604 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 51.493 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 106.87 Mbit/s
95th percentile per-packet one-way delay: 53.588 ms
Loss rate: 1.12%
```

Run 3: Report of TCP Vegas — Data Link



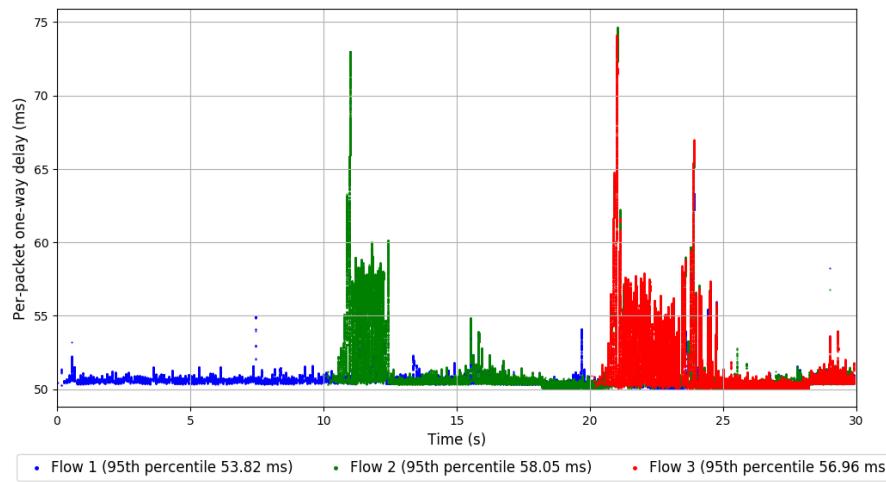
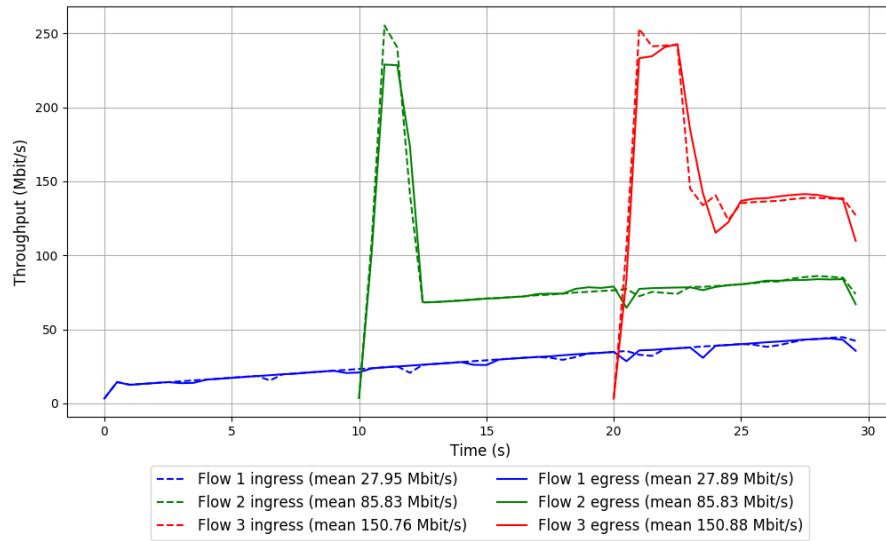
Run 4: Statistics of TCP Vegas

Start at: 2018-01-26 17:07:14

End at: 2018-01-26 17:07:44

```
# Below is generated by plot.py at 2018-01-26 21:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 134.62 Mbit/s
95th percentile per-packet one-way delay: 57.425 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 27.89 Mbit/s
95th percentile per-packet one-way delay: 53.819 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 85.83 Mbit/s
95th percentile per-packet one-way delay: 58.046 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 150.88 Mbit/s
95th percentile per-packet one-way delay: 56.959 ms
Loss rate: 0.92%
```

Run 4: Report of TCP Vegas — Data Link



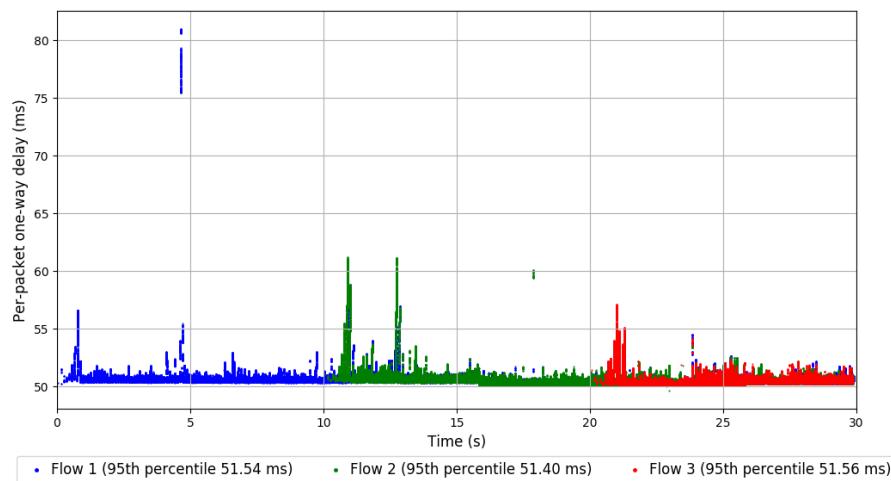
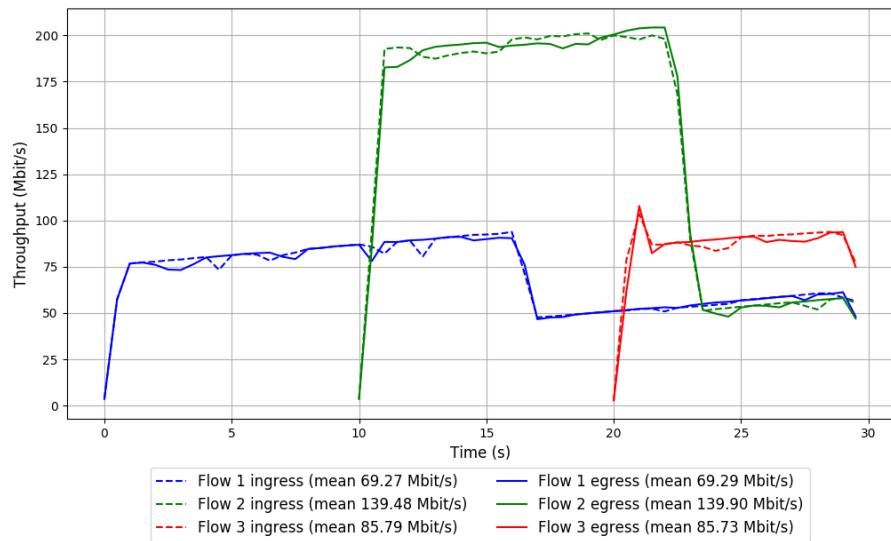
Run 5: Statistics of TCP Vegas

Start at: 2018-01-26 17:21:37

End at: 2018-01-26 17:22:07

```
# Below is generated by plot.py at 2018-01-26 21:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 190.31 Mbit/s
95th percentile per-packet one-way delay: 51.472 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 69.29 Mbit/s
95th percentile per-packet one-way delay: 51.539 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 139.90 Mbit/s
95th percentile per-packet one-way delay: 51.399 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 85.73 Mbit/s
95th percentile per-packet one-way delay: 51.560 ms
Loss rate: 1.11%
```

Run 5: Report of TCP Vegas — Data Link

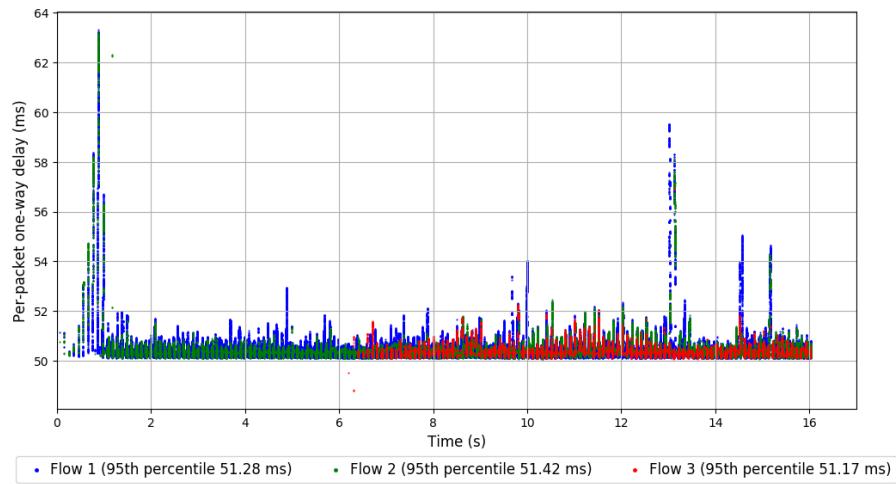
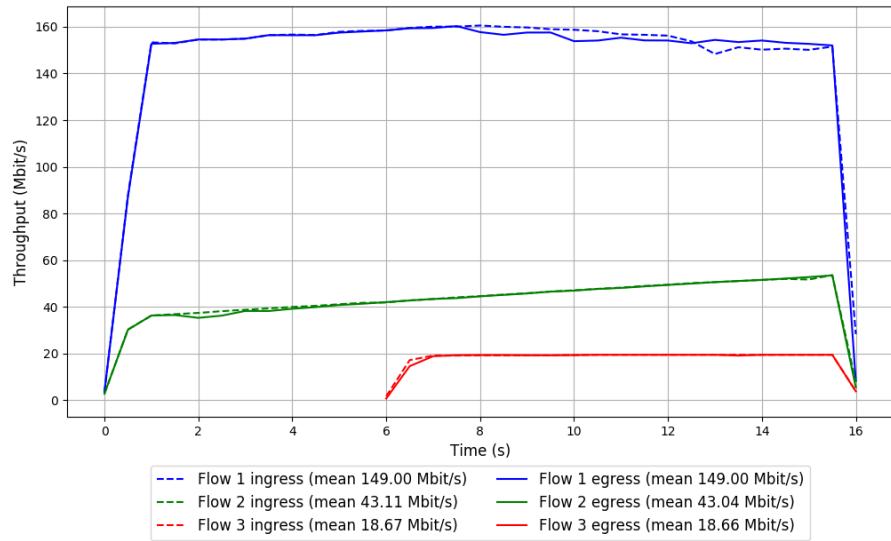


Run 6: Statistics of TCP Vegas

Start at: 2018-01-26 17:36:09

End at: 2018-01-26 17:36:39

Run 6: Report of TCP Vegas — Data Link



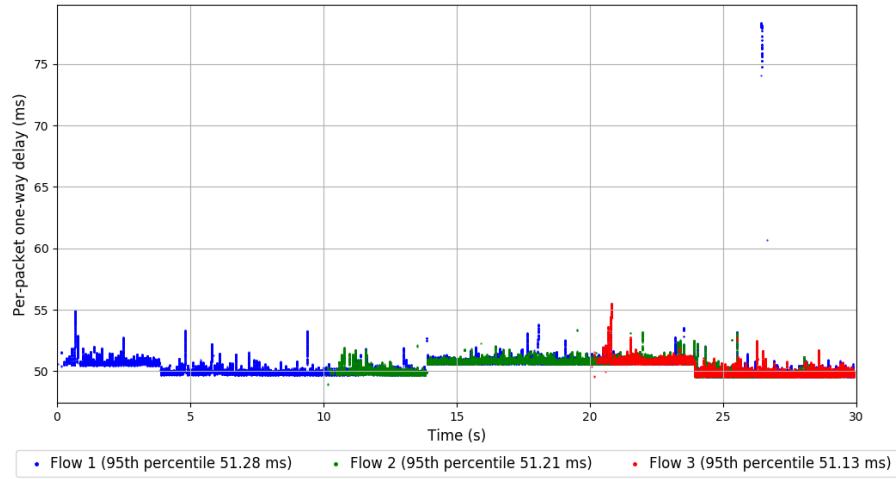
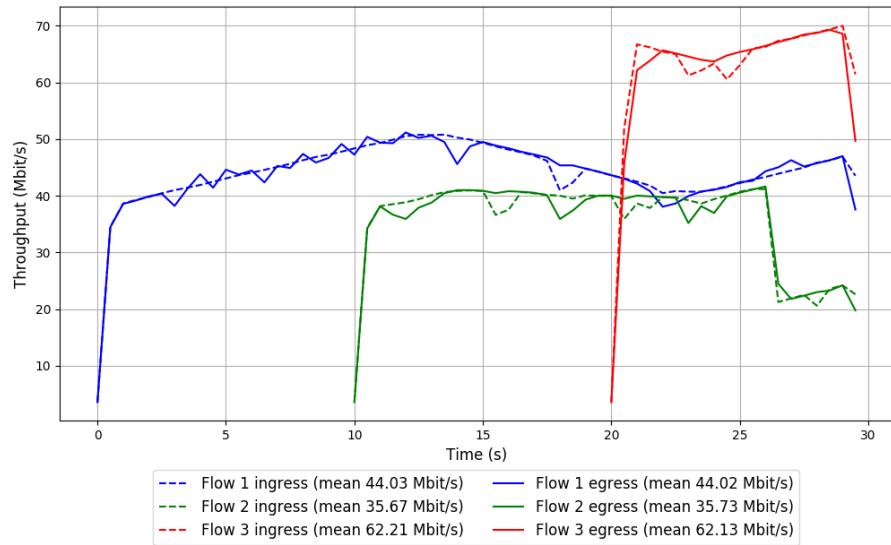
Run 7: Statistics of TCP Vegas

Start at: 2018-01-26 17:50:18

End at: 2018-01-26 17:50:48

```
# Below is generated by plot.py at 2018-01-26 21:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 51.223 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 44.02 Mbit/s
95th percentile per-packet one-way delay: 51.281 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 35.73 Mbit/s
95th percentile per-packet one-way delay: 51.213 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 62.13 Mbit/s
95th percentile per-packet one-way delay: 51.131 ms
Loss rate: 1.13%
```

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



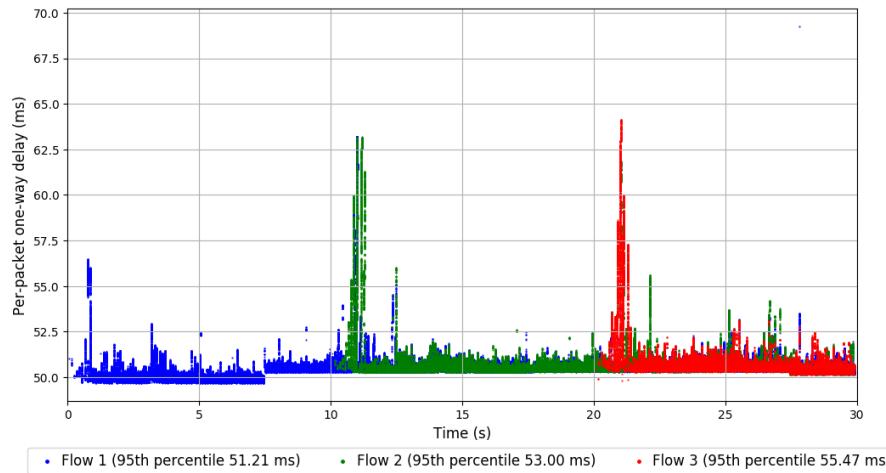
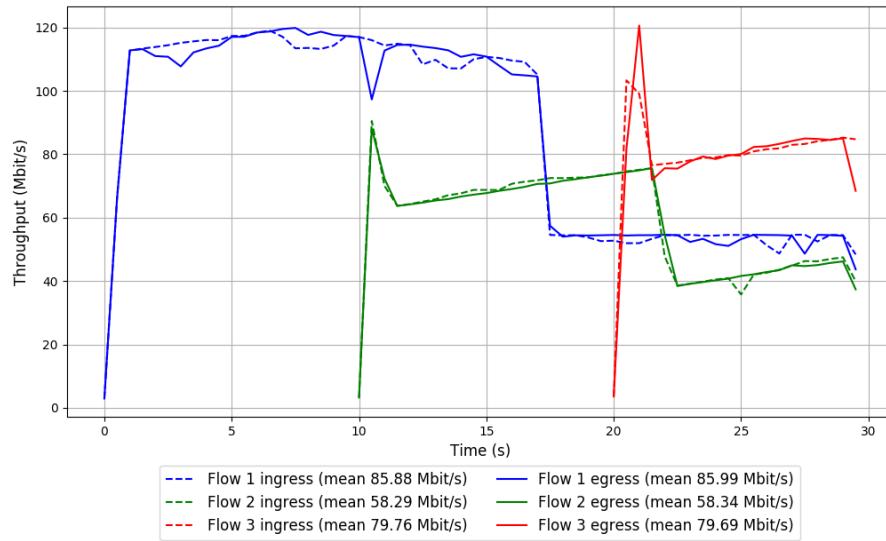
Run 8: Statistics of TCP Vegas

Start at: 2018-01-26 18:04:45

End at: 2018-01-26 18:05:15

```
# Below is generated by plot.py at 2018-01-26 21:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 150.93 Mbit/s
95th percentile per-packet one-way delay: 51.817 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 51.207 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 58.34 Mbit/s
95th percentile per-packet one-way delay: 53.004 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 79.69 Mbit/s
95th percentile per-packet one-way delay: 55.473 ms
Loss rate: 1.08%
```

Run 8: Report of TCP Vegas — Data Link



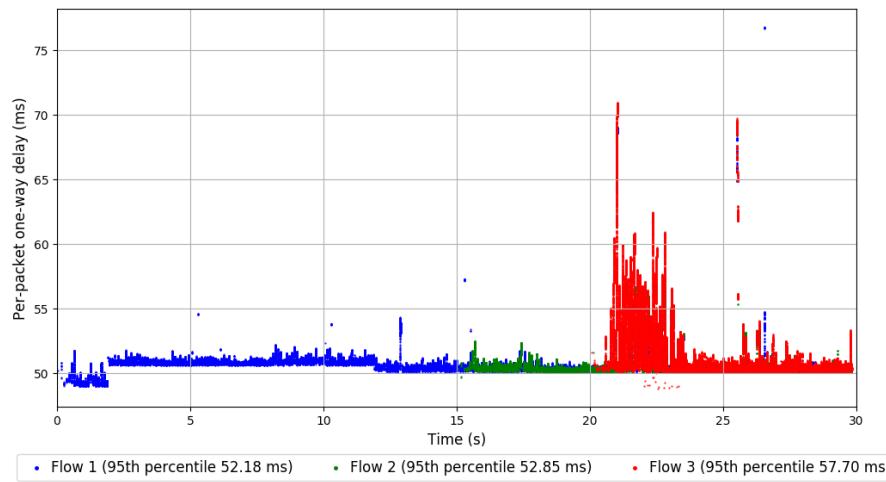
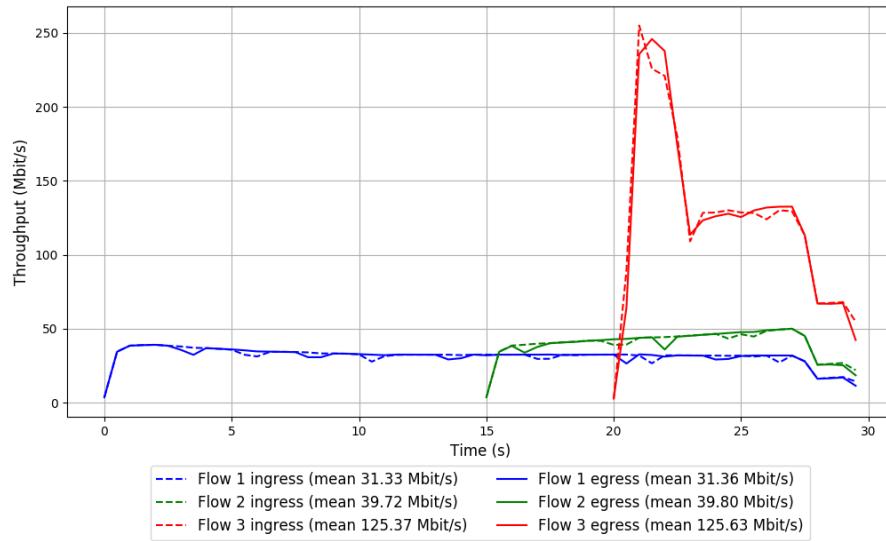
Run 9: Statistics of TCP Vegas

Start at: 2018-01-26 18:19:10

End at: 2018-01-26 18:19:40

```
# Below is generated by plot.py at 2018-01-26 21:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 56.086 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 31.36 Mbit/s
95th percentile per-packet one-way delay: 52.182 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 39.80 Mbit/s
95th percentile per-packet one-way delay: 52.852 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 125.63 Mbit/s
95th percentile per-packet one-way delay: 57.696 ms
Loss rate: 0.83%
```

Run 9: Report of TCP Vegas — Data Link



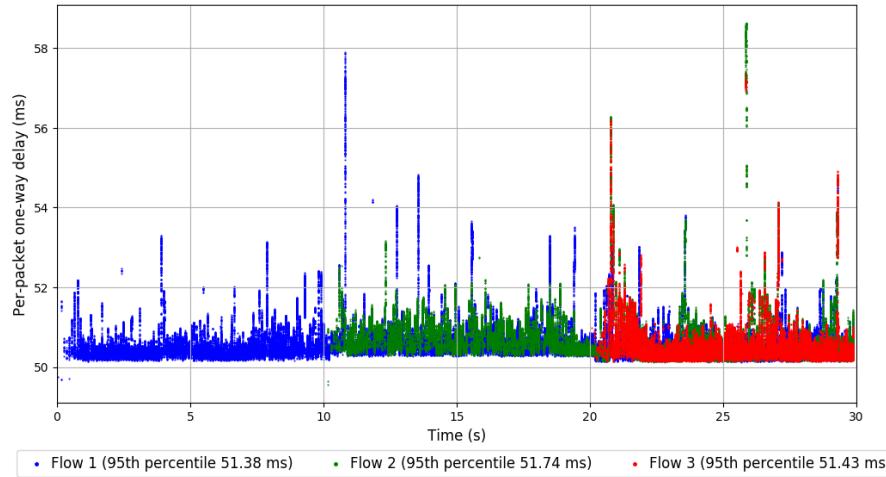
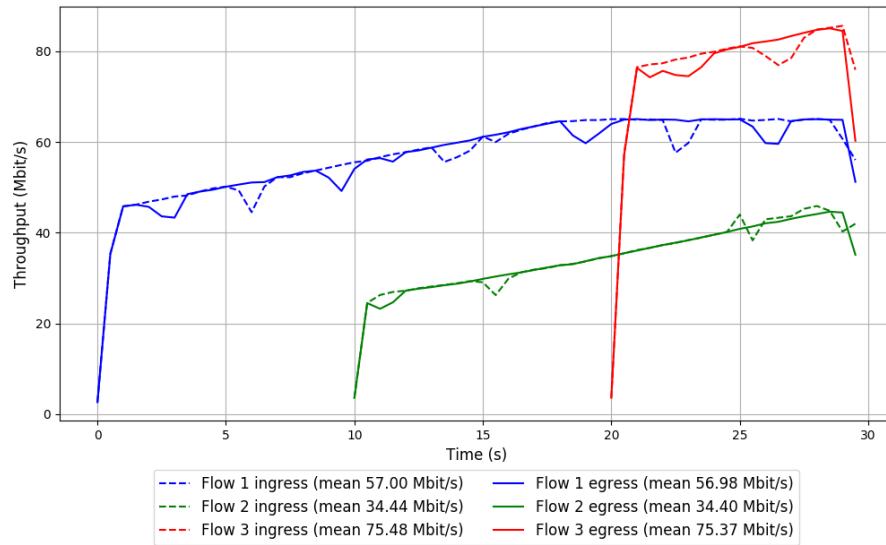
Run 10: Statistics of TCP Vegas

Start at: 2018-01-26 18:33:32

End at: 2018-01-26 18:34:02

```
# Below is generated by plot.py at 2018-01-26 21:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 104.60 Mbit/s
95th percentile per-packet one-way delay: 51.511 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 56.98 Mbit/s
95th percentile per-packet one-way delay: 51.383 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 34.40 Mbit/s
95th percentile per-packet one-way delay: 51.745 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 75.37 Mbit/s
95th percentile per-packet one-way delay: 51.427 ms
Loss rate: 1.16%
```

Run 10: Report of TCP Vegas — Data Link

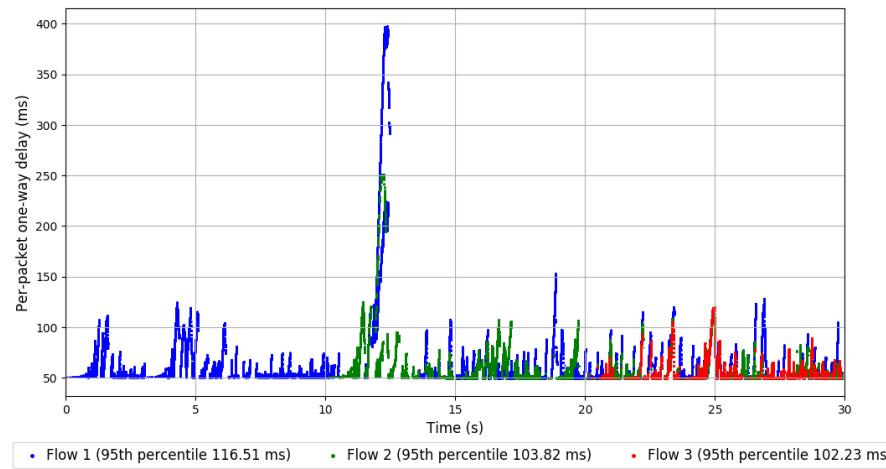
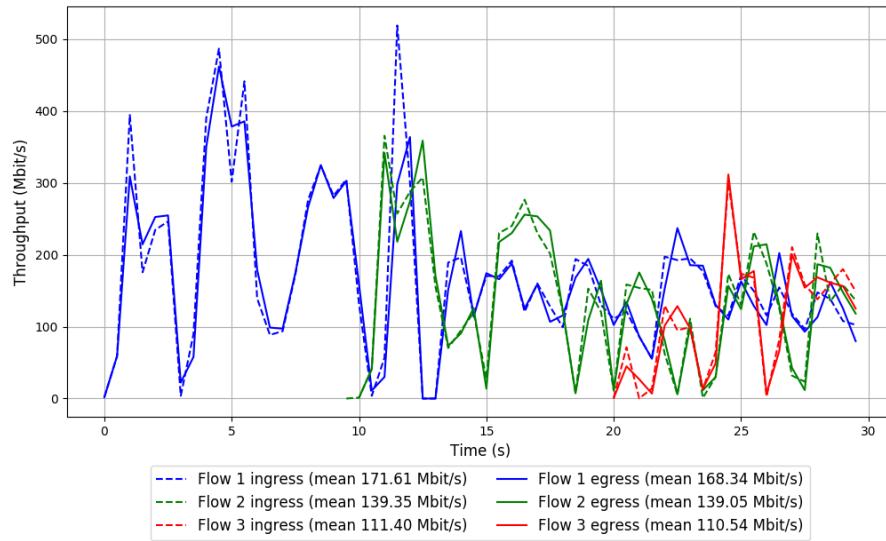


```
Run 1: Statistics of Verus

Start at: 2018-01-26 16:21:08
End at: 2018-01-26 16:21:38

# Below is generated by plot.py at 2018-01-26 21:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 297.08 Mbit/s
95th percentile per-packet one-way delay: 111.303 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 168.34 Mbit/s
95th percentile per-packet one-way delay: 116.509 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 139.05 Mbit/s
95th percentile per-packet one-way delay: 103.818 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 110.54 Mbit/s
95th percentile per-packet one-way delay: 102.229 ms
Loss rate: 2.13%
```

Run 1: Report of Verus — Data Link



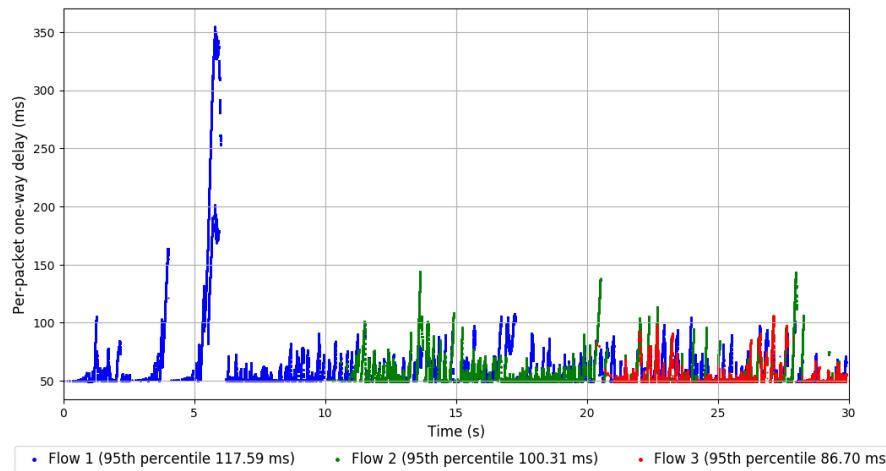
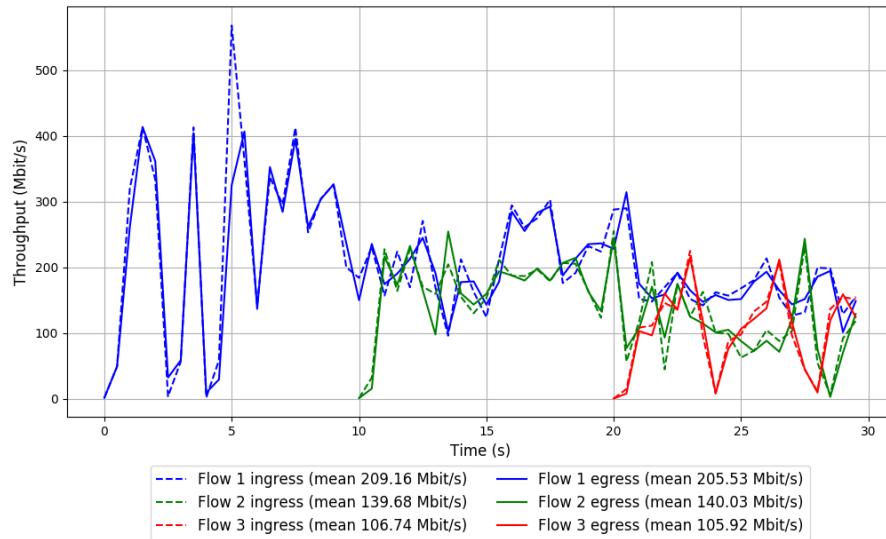
Run 2: Statistics of Verus

Start at: 2018-01-26 16:35:31

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

```
# Below is generated by plot.py at 2018-01-26 21:54:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 333.24 Mbit/s
95th percentile per-packet one-way delay: 102.862 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 205.53 Mbit/s
95th percentile per-packet one-way delay: 117.587 ms
Loss rate: 2.06%
-- Flow 2:
Average throughput: 140.03 Mbit/s
95th percentile per-packet one-way delay: 100.307 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 105.92 Mbit/s
95th percentile per-packet one-way delay: 86.704 ms
Loss rate: 2.00%
```

## Run 2: Report of Verus — Data Link



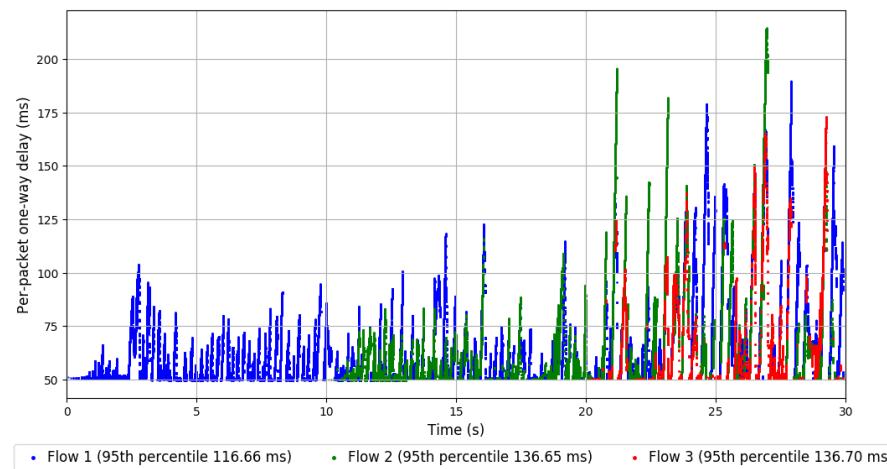
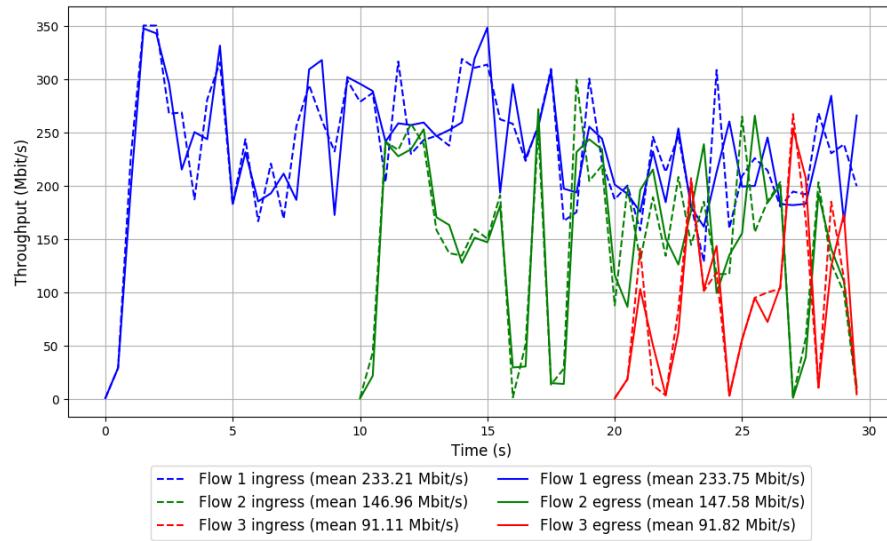
Run 3: Statistics of Verus

Start at: 2018-01-26 16:49:59

End at: 2018-01-26 16:50:29

```
# Below is generated by plot.py at 2018-01-26 21:55:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 361.70 Mbit/s
95th percentile per-packet one-way delay: 123.784 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 233.75 Mbit/s
95th percentile per-packet one-way delay: 116.659 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 147.58 Mbit/s
95th percentile per-packet one-way delay: 136.648 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 91.82 Mbit/s
95th percentile per-packet one-way delay: 136.699 ms
Loss rate: 0.27%
```

Run 3: Report of Verus — Data Link



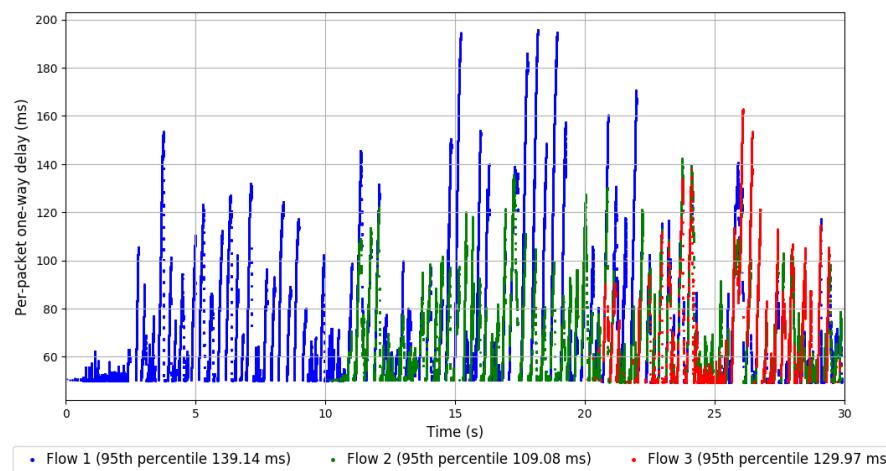
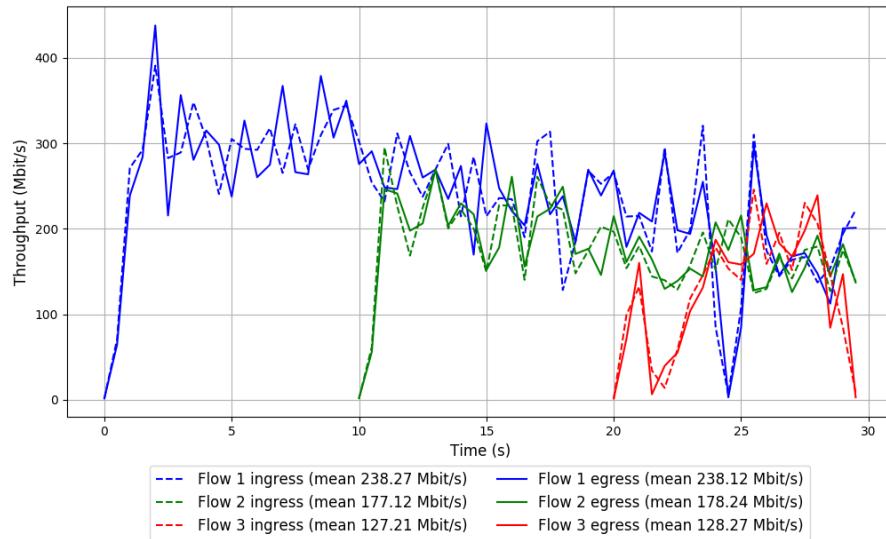
Run 4: Statistics of Verus

Start at: 2018-01-26 17:04:32

End at: 2018-01-26 17:05:02

```
# Below is generated by plot.py at 2018-01-26 21:56:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.29 Mbit/s
95th percentile per-packet one-way delay: 130.773 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 238.12 Mbit/s
95th percentile per-packet one-way delay: 139.139 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 178.24 Mbit/s
95th percentile per-packet one-way delay: 109.076 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 128.27 Mbit/s
95th percentile per-packet one-way delay: 129.966 ms
Loss rate: 0.21%
```

Run 4: Report of Verus — Data Link



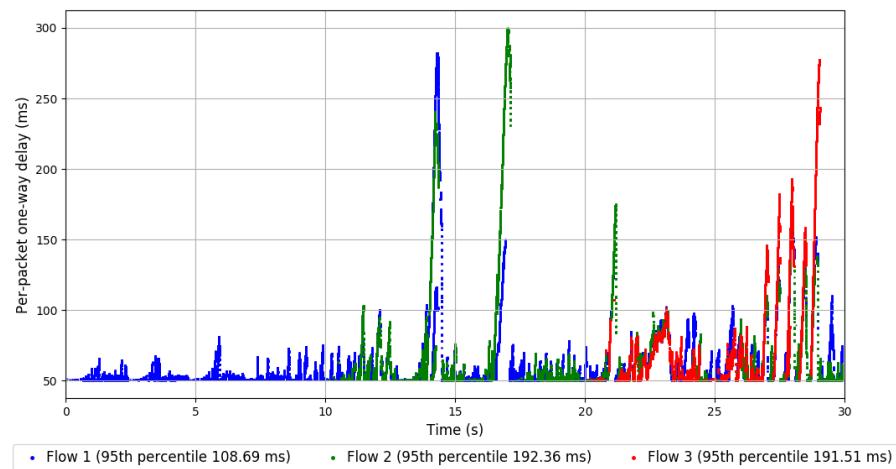
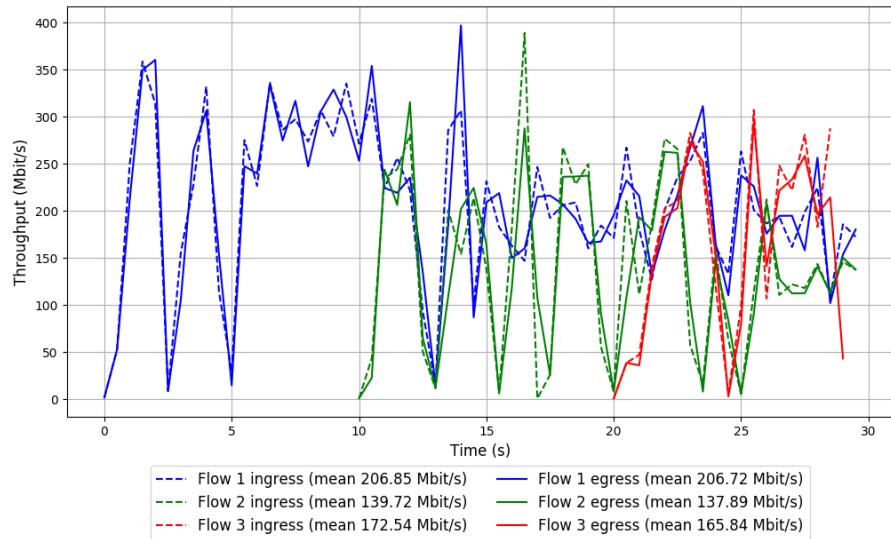
Run 5: Statistics of Verus

Start at: 2018-01-26 17:18:58

End at: 2018-01-26 17:19:28

```
# Below is generated by plot.py at 2018-01-26 21:57:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.16 Mbit/s
95th percentile per-packet one-way delay: 149.123 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 206.72 Mbit/s
95th percentile per-packet one-way delay: 108.691 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 137.89 Mbit/s
95th percentile per-packet one-way delay: 192.357 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 165.84 Mbit/s
95th percentile per-packet one-way delay: 191.510 ms
Loss rate: 1.77%
```

Run 5: Report of Verus — Data Link



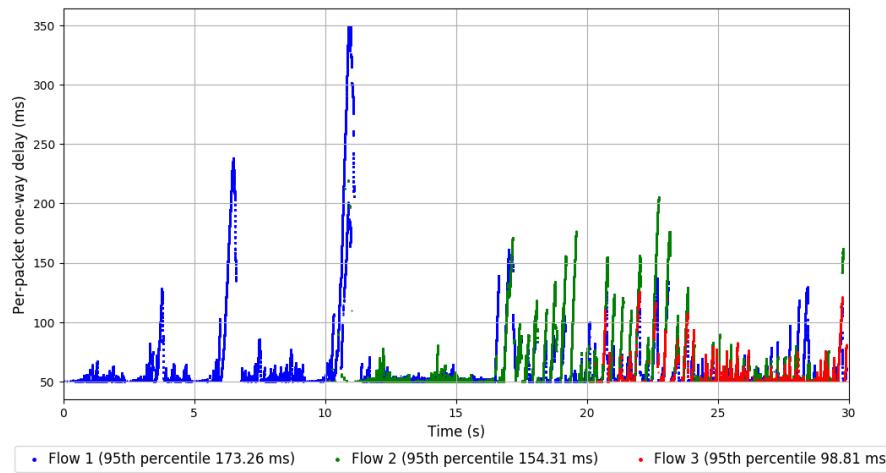
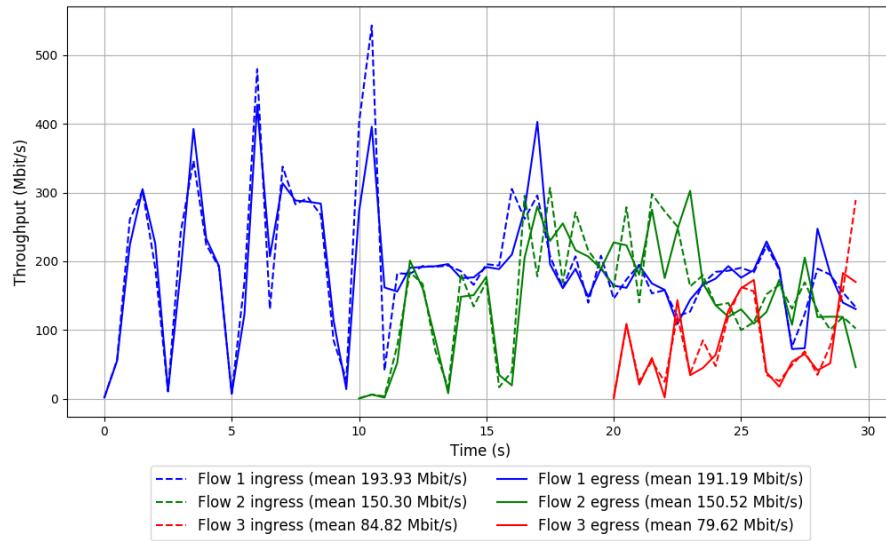
Run 6: Statistics of Verus

Start at: 2018-01-26 17:33:32

End at: 2018-01-26 17:34:02

```
# Below is generated by plot.py at 2018-01-26 21:59:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 316.84 Mbit/s
95th percentile per-packet one-way delay: 154.829 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 191.19 Mbit/s
95th percentile per-packet one-way delay: 173.257 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 150.52 Mbit/s
95th percentile per-packet one-way delay: 154.307 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 79.62 Mbit/s
95th percentile per-packet one-way delay: 98.813 ms
Loss rate: 7.09%
```

Run 6: Report of Verus — Data Link



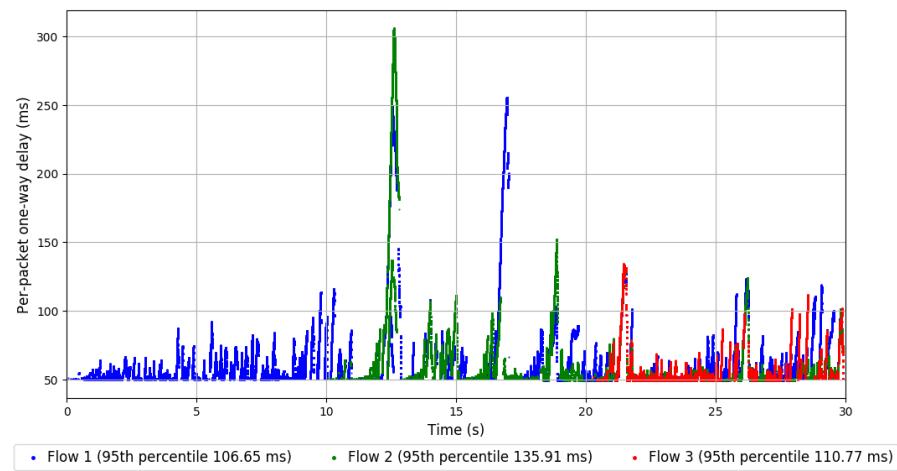
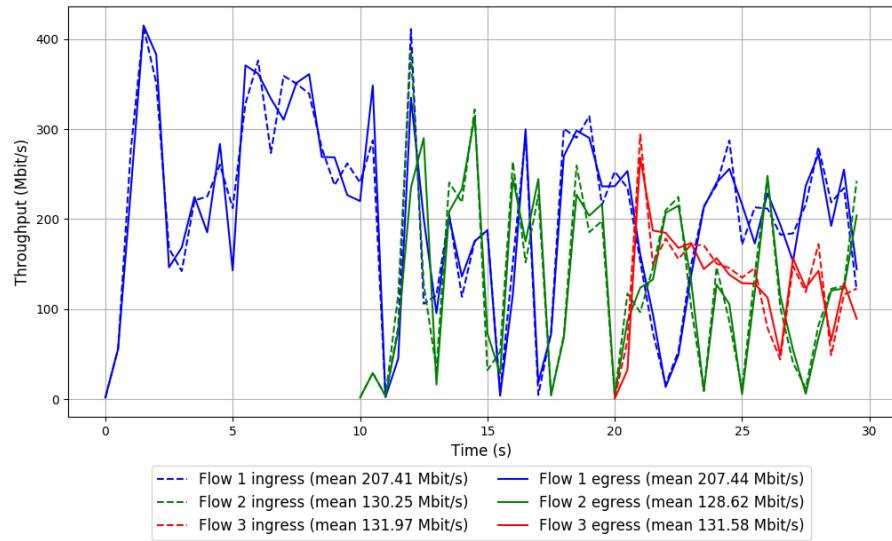
Run 7: Statistics of Verus

Start at: 2018-01-26 17:47:44

End at: 2018-01-26 17:48:14

```
# Below is generated by plot.py at 2018-01-26 21:59:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 335.77 Mbit/s
95th percentile per-packet one-way delay: 115.595 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 207.44 Mbit/s
95th percentile per-packet one-way delay: 106.654 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 128.62 Mbit/s
95th percentile per-packet one-way delay: 135.909 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 131.58 Mbit/s
95th percentile per-packet one-way delay: 110.769 ms
Loss rate: 1.30%
```

Run 7: Report of Verus — Data Link



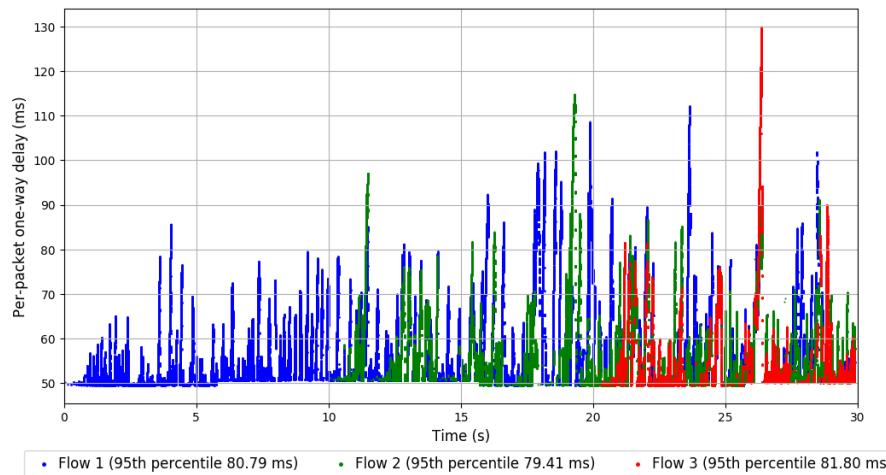
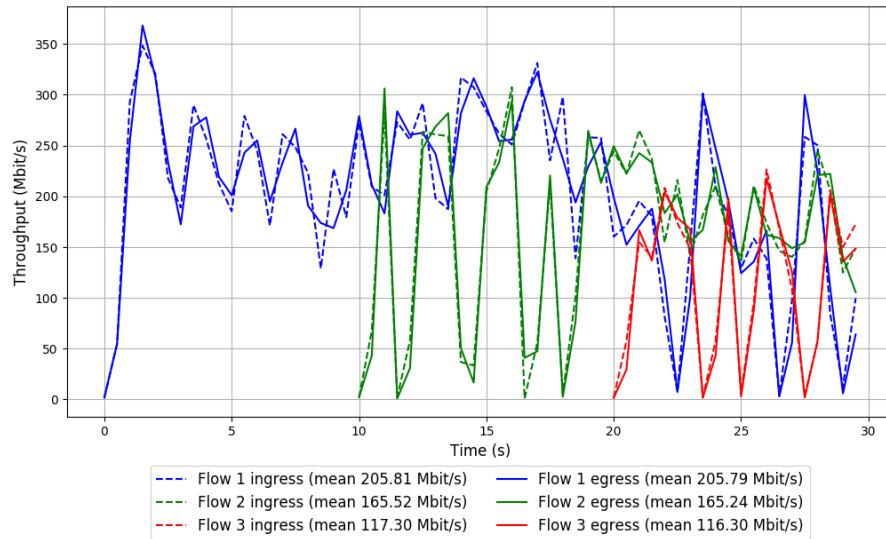
Run 8: Statistics of Verus

Start at: 2018-01-26 18:02:07

End at: 2018-01-26 18:02:37

```
# Below is generated by plot.py at 2018-01-26 21:59:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 353.74 Mbit/s
95th percentile per-packet one-way delay: 80.318 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 205.79 Mbit/s
95th percentile per-packet one-way delay: 80.788 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 165.24 Mbit/s
95th percentile per-packet one-way delay: 79.408 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 116.30 Mbit/s
95th percentile per-packet one-way delay: 81.798 ms
Loss rate: 1.89%
```

Run 8: Report of Verus — Data Link



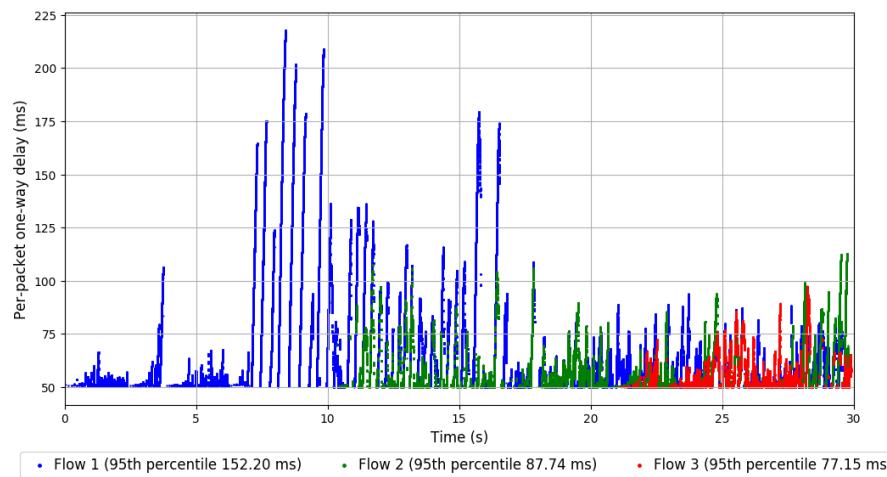
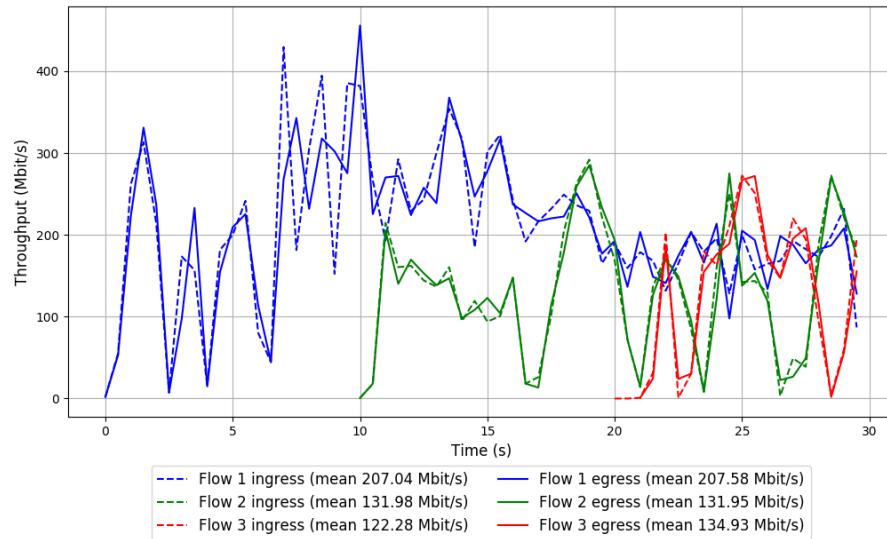
Run 9: Statistics of Verus

Start at: 2018-01-26 18:16:34

End at: 2018-01-26 18:17:04

```
# Below is generated by plot.py at 2018-01-26 21:59:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 335.02 Mbit/s
95th percentile per-packet one-way delay: 125.120 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 207.58 Mbit/s
95th percentile per-packet one-way delay: 152.203 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 131.95 Mbit/s
95th percentile per-packet one-way delay: 87.736 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 134.93 Mbit/s
95th percentile per-packet one-way delay: 77.152 ms
Loss rate: 1.90%
```

Run 9: Report of Verus — Data Link



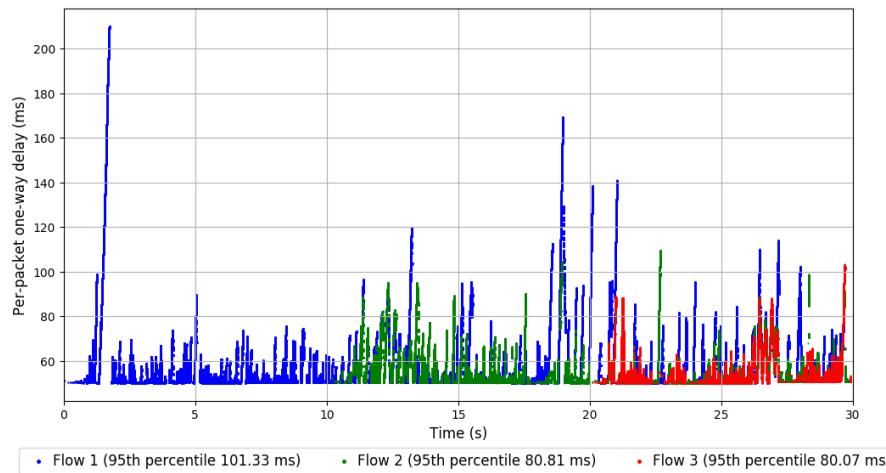
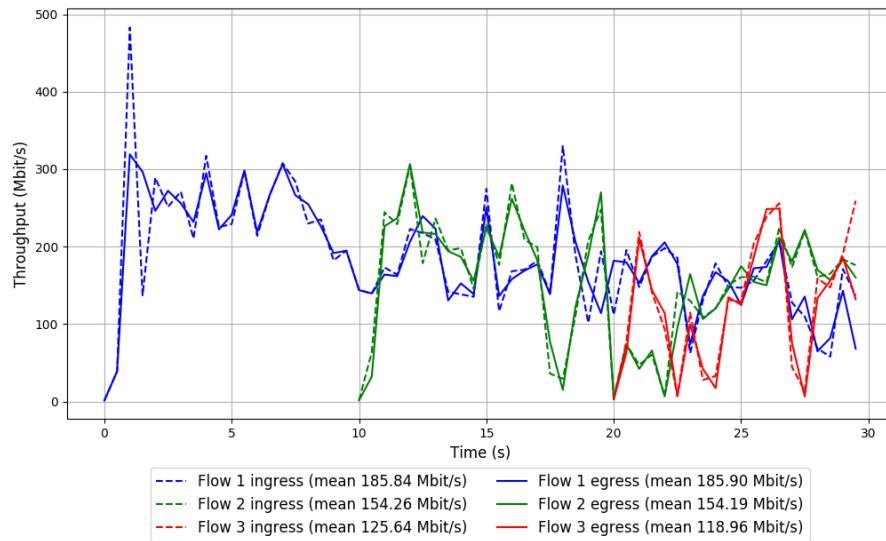
Run 10: Statistics of Verus

Start at: 2018-01-26 18:30:55

End at: 2018-01-26 18:31:25

```
# Below is generated by plot.py at 2018-01-26 22:00:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 326.02 Mbit/s
95th percentile per-packet one-way delay: 90.732 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 185.90 Mbit/s
95th percentile per-packet one-way delay: 101.325 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 154.19 Mbit/s
95th percentile per-packet one-way delay: 80.812 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 118.96 Mbit/s
95th percentile per-packet one-way delay: 80.071 ms
Loss rate: 6.30%
```

Run 10: Report of Verus — Data Link

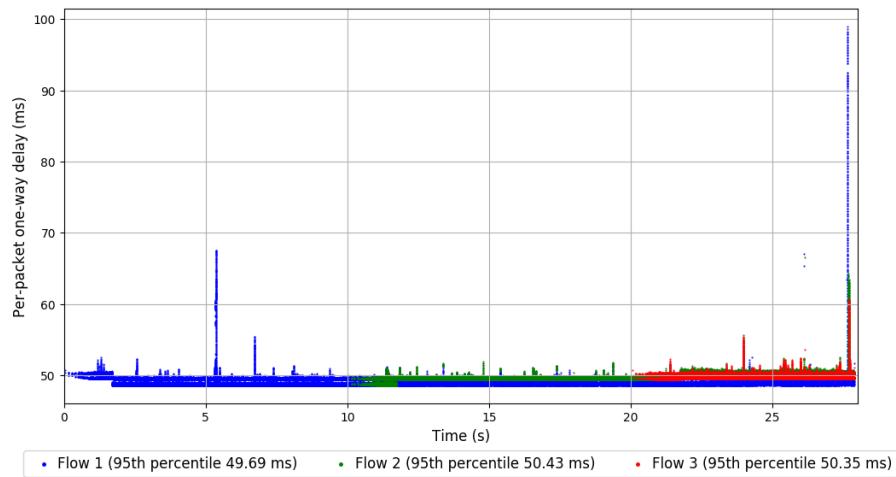
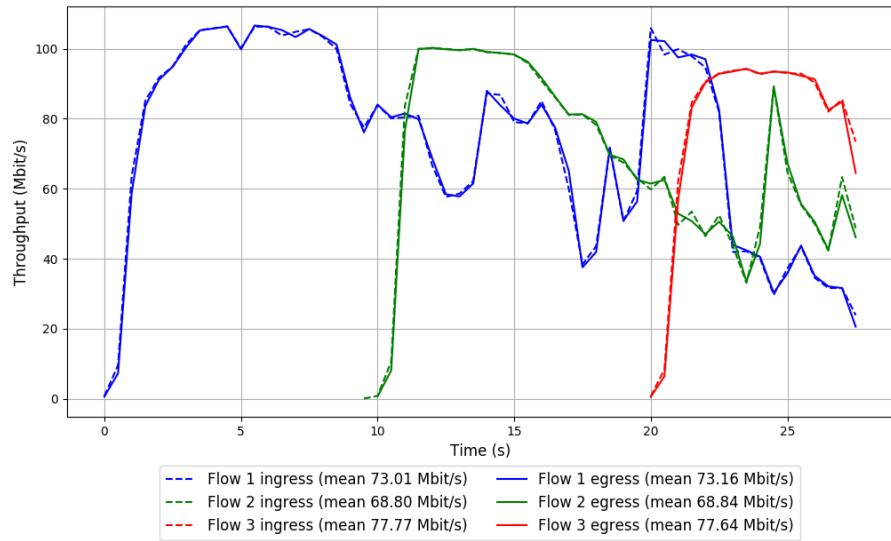


```
Run 1: Statistics of Copa

Start at: 2018-01-26 16:22:09
End at: 2018-01-26 16:22:39

# Below is generated by plot.py at 2018-01-26 22:00:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 139.09 Mbit/s
95th percentile per-packet one-way delay: 50.328 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 73.16 Mbit/s
95th percentile per-packet one-way delay: 49.685 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 68.84 Mbit/s
95th percentile per-packet one-way delay: 50.428 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 77.64 Mbit/s
95th percentile per-packet one-way delay: 50.352 ms
Loss rate: 1.44%
```

Run 1: Report of Copa — Data Link



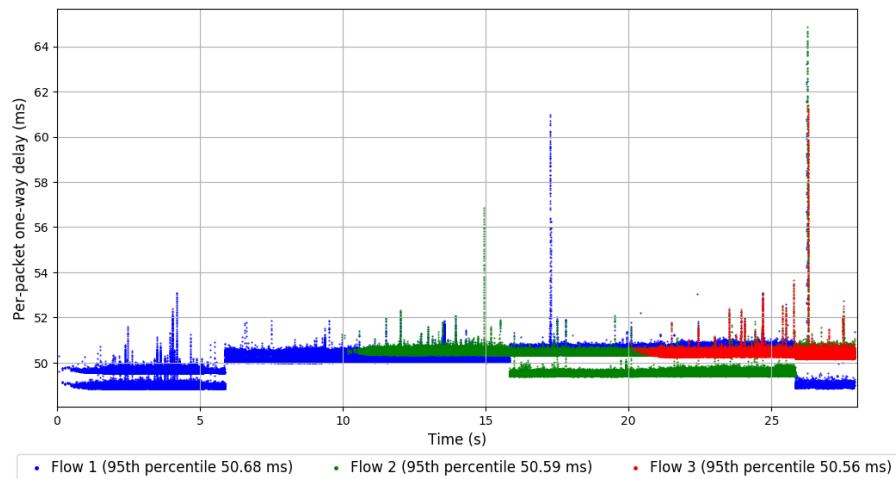
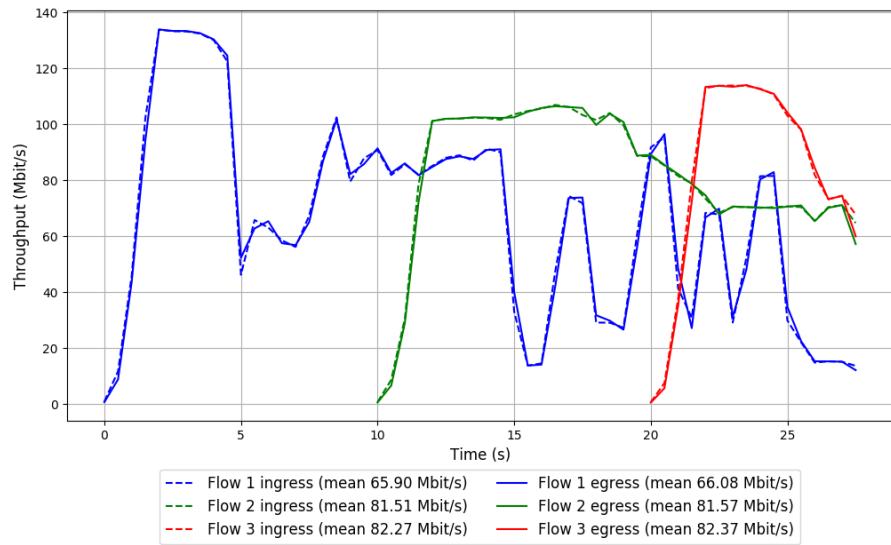
Run 2: Statistics of Copa

Start at: 2018-01-26 16:36:35

End at: 2018-01-26 16:37:05

```
# Below is generated by plot.py at 2018-01-26 22:01:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 141.43 Mbit/s
95th percentile per-packet one-way delay: 50.631 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 66.08 Mbit/s
95th percentile per-packet one-way delay: 50.676 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 81.57 Mbit/s
95th percentile per-packet one-way delay: 50.591 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 82.37 Mbit/s
95th percentile per-packet one-way delay: 50.565 ms
Loss rate: 1.16%
```

Run 2: Report of Copa — Data Link



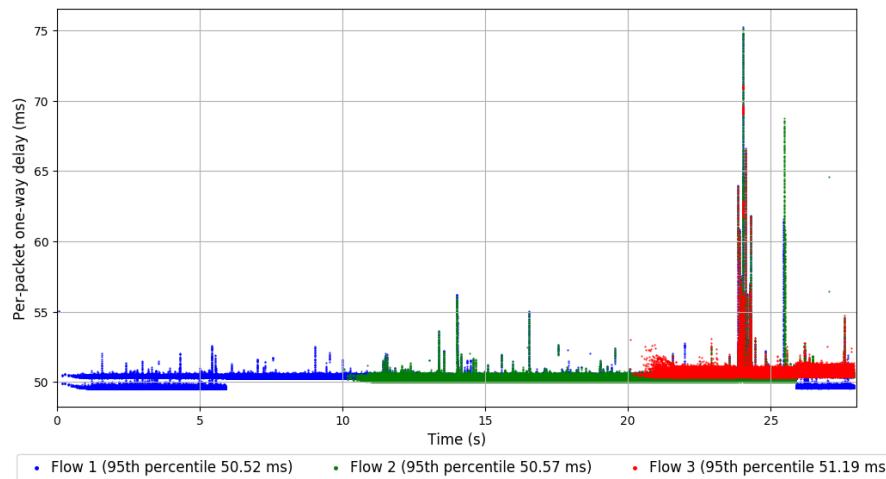
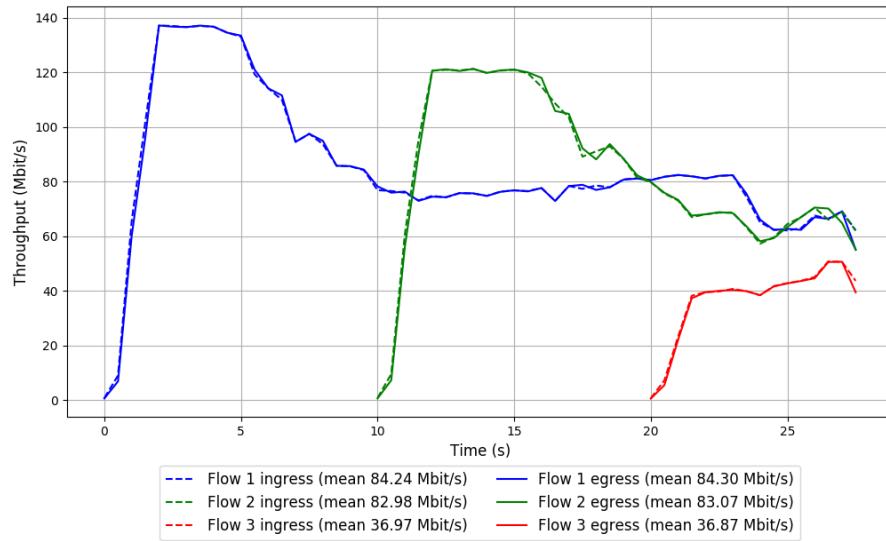
Run 3: Statistics of Copa

Start at: 2018-01-26 16:51:04

End at: 2018-01-26 16:51:34

```
# Below is generated by plot.py at 2018-01-26 22:02:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 147.90 Mbit/s
95th percentile per-packet one-way delay: 50.601 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 84.30 Mbit/s
95th percentile per-packet one-way delay: 50.517 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 83.07 Mbit/s
95th percentile per-packet one-way delay: 50.572 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 36.87 Mbit/s
95th percentile per-packet one-way delay: 51.185 ms
Loss rate: 1.60%
```

Run 3: Report of Copa — Data Link



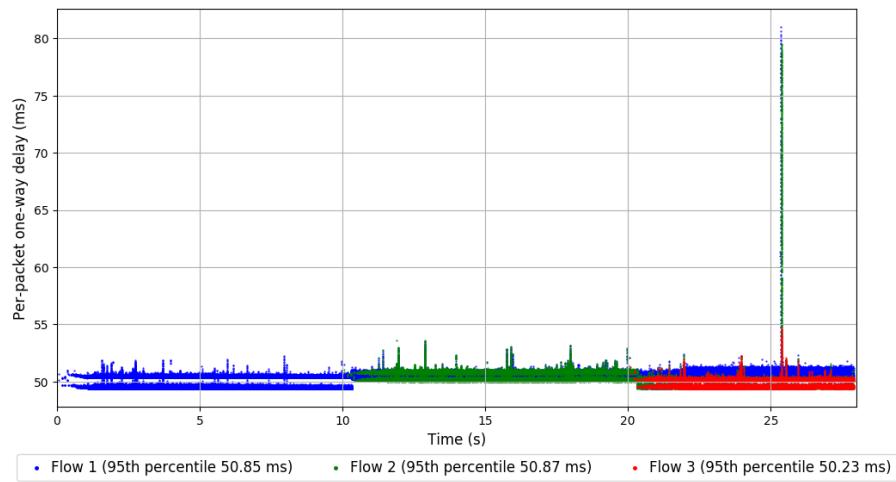
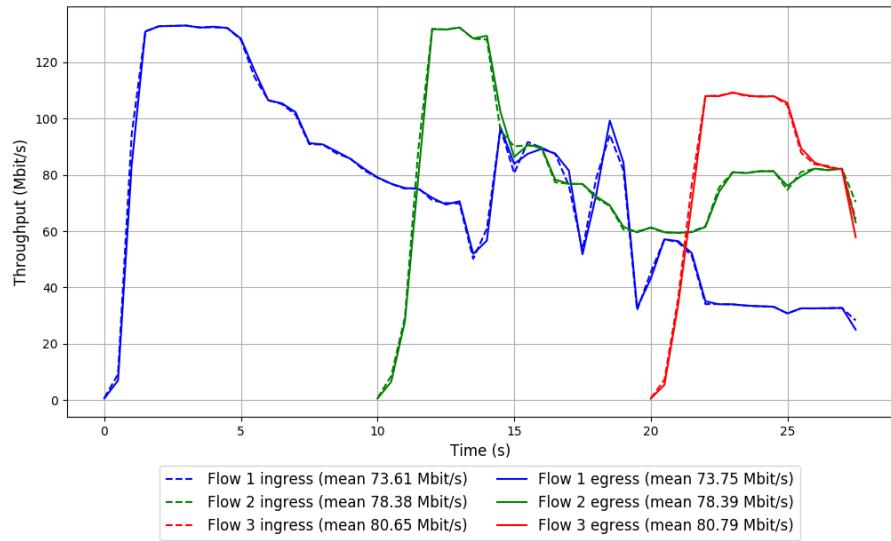
Run 4: Statistics of Copa

Start at: 2018-01-26 17:05:40

End at: 2018-01-26 17:06:10

```
# Below is generated by plot.py at 2018-01-26 22:03:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 146.60 Mbit/s
95th percentile per-packet one-way delay: 50.850 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 73.75 Mbit/s
95th percentile per-packet one-way delay: 50.853 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 78.39 Mbit/s
95th percentile per-packet one-way delay: 50.869 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 80.79 Mbit/s
95th percentile per-packet one-way delay: 50.228 ms
Loss rate: 1.14%
```

Run 4: Report of Copa — Data Link



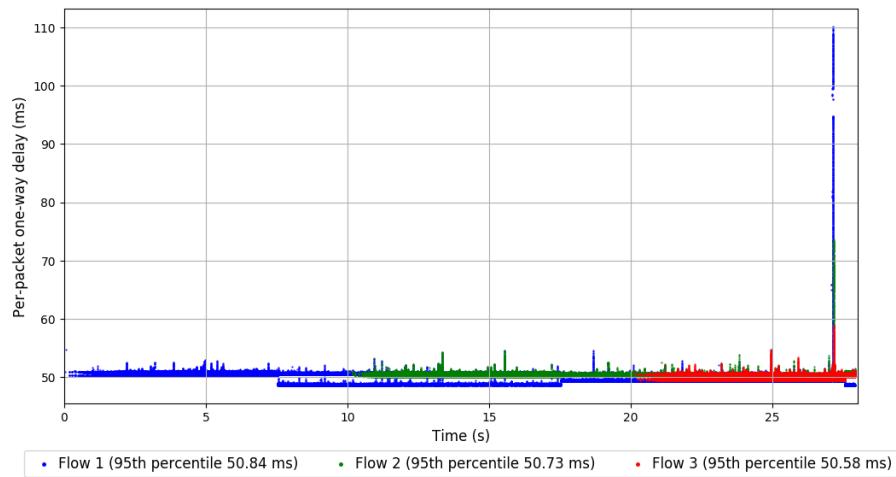
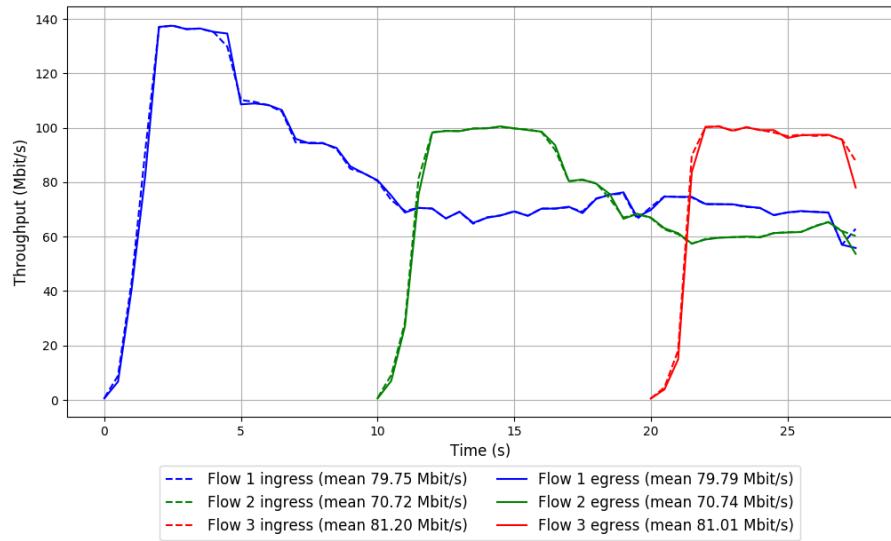
Run 5: Statistics of Copa

Start at: 2018-01-26 17:20:03

End at: 2018-01-26 17:20:33

```
# Below is generated by plot.py at 2018-01-26 22:04:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 147.76 Mbit/s
95th percentile per-packet one-way delay: 50.802 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 79.79 Mbit/s
95th percentile per-packet one-way delay: 50.839 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 70.74 Mbit/s
95th percentile per-packet one-way delay: 50.726 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 81.01 Mbit/s
95th percentile per-packet one-way delay: 50.578 ms
Loss rate: 1.52%
```

### Run 5: Report of Copa — Data Link



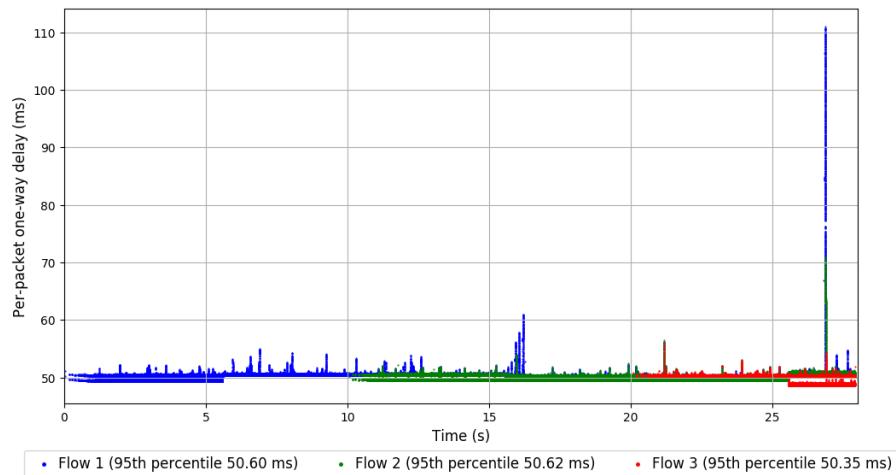
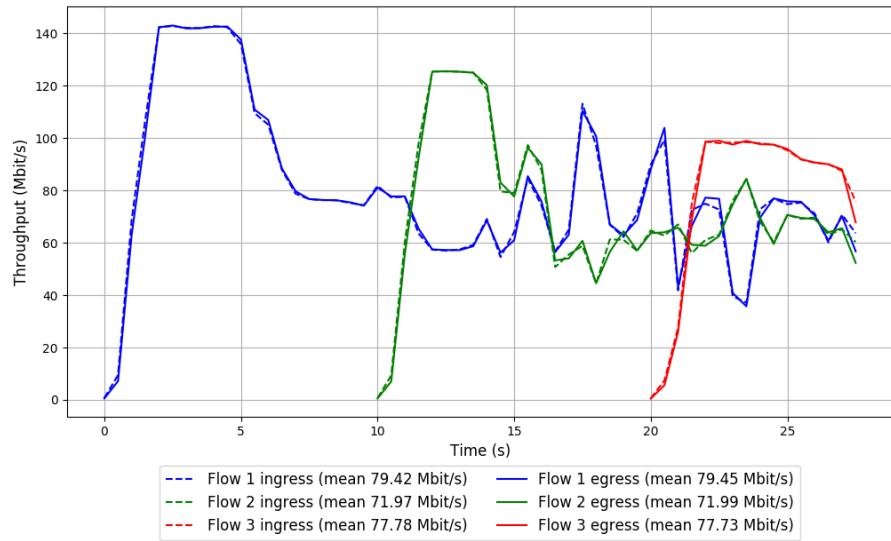
Run 6: Statistics of Copa

Start at: 2018-01-26 17:34:35

End at: 2018-01-26 17:35:05

```
# Below is generated by plot.py at 2018-01-26 22:04:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 147.34 Mbit/s
95th percentile per-packet one-way delay: 50.594 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 79.45 Mbit/s
95th percentile per-packet one-way delay: 50.602 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 71.99 Mbit/s
95th percentile per-packet one-way delay: 50.624 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 77.73 Mbit/s
95th percentile per-packet one-way delay: 50.355 ms
Loss rate: 1.34%
```

## Run 6: Report of Copa — Data Link



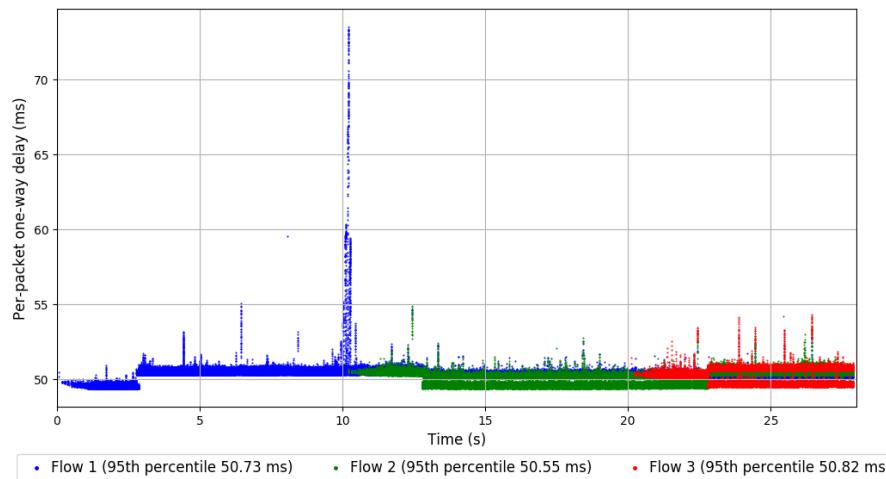
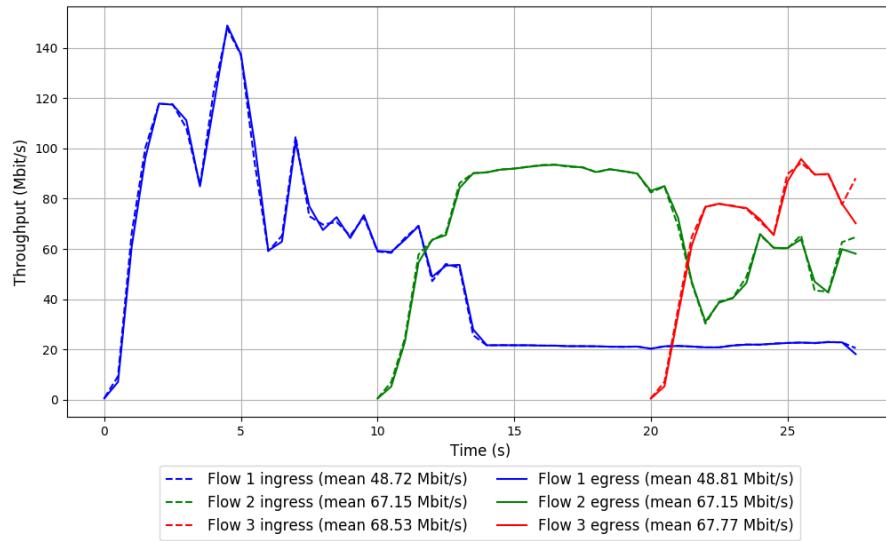
Run 7: Statistics of Copa

Start at: 2018-01-26 17:48:48

End at: 2018-01-26 17:49:18

```
# Below is generated by plot.py at 2018-01-26 22:04:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 110.73 Mbit/s
95th percentile per-packet one-way delay: 50.737 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 48.81 Mbit/s
95th percentile per-packet one-way delay: 50.726 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 67.15 Mbit/s
95th percentile per-packet one-way delay: 50.553 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 67.77 Mbit/s
95th percentile per-packet one-way delay: 50.816 ms
Loss rate: 2.39%
```

## Run 7: Report of Copa — Data Link



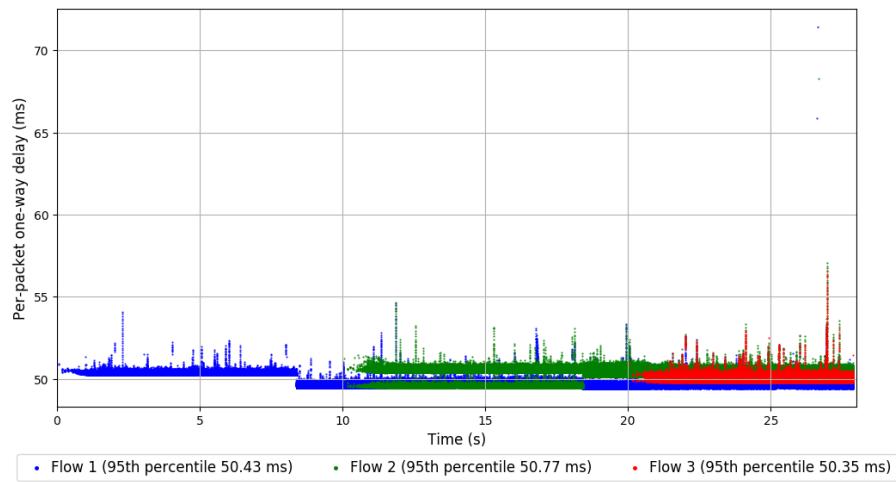
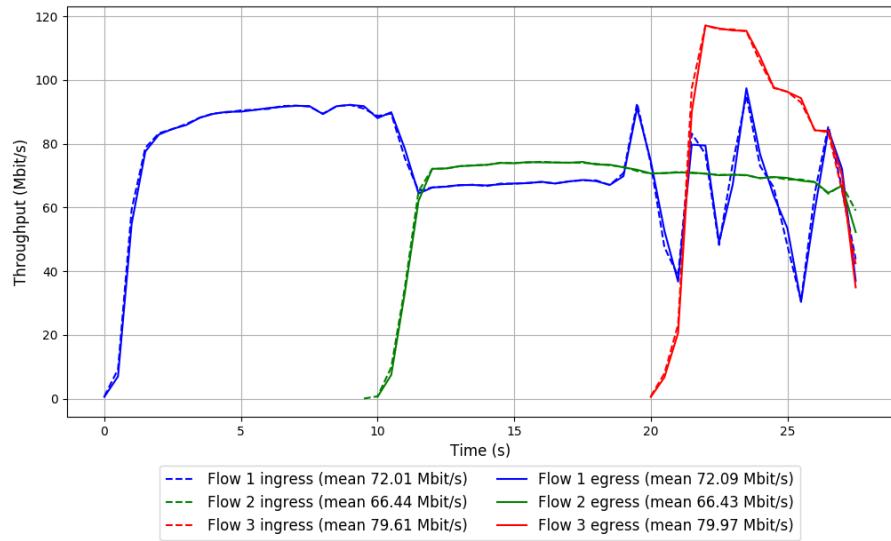
Run 8: Statistics of Copa

Start at: 2018-01-26 18:03:12

End at: 2018-01-26 18:03:42

```
# Below is generated by plot.py at 2018-01-26 22:04:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 137.13 Mbit/s
95th percentile per-packet one-way delay: 50.651 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 72.09 Mbit/s
95th percentile per-packet one-way delay: 50.432 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 66.43 Mbit/s
95th percentile per-packet one-way delay: 50.769 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 79.97 Mbit/s
95th percentile per-packet one-way delay: 50.355 ms
Loss rate: 0.83%
```

Run 8: Report of Copa — Data Link



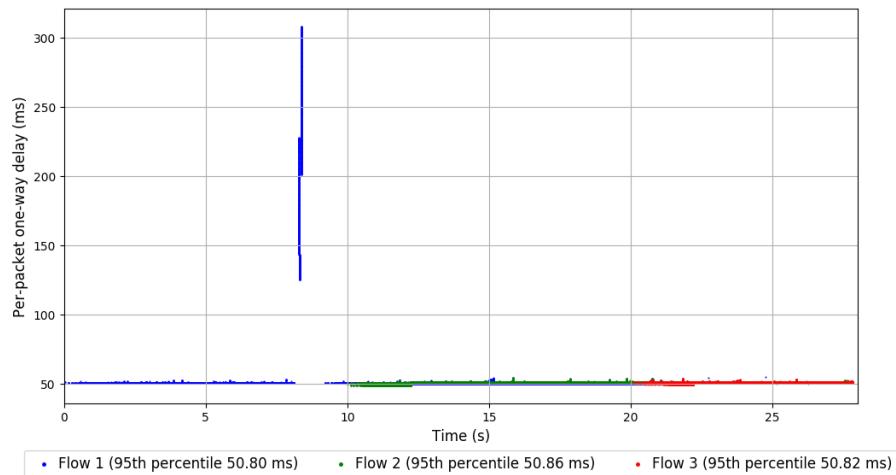
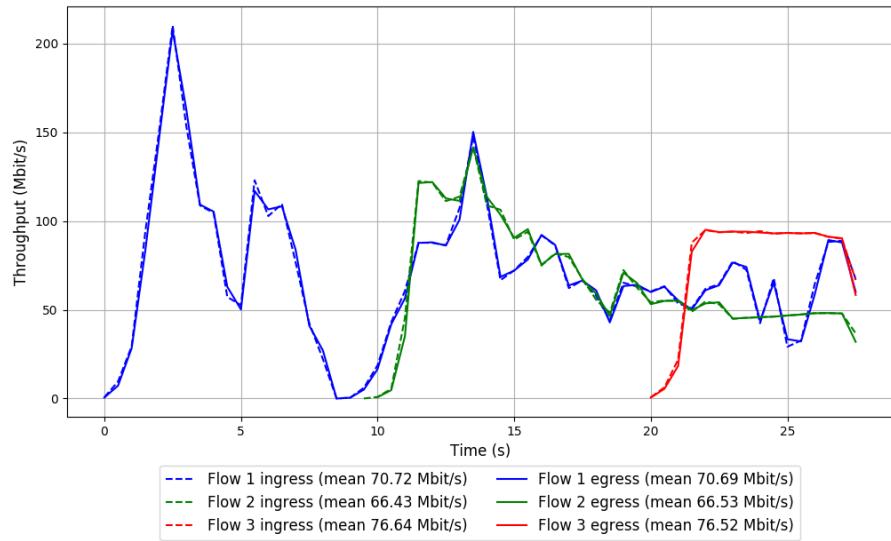
Run 9: Statistics of Copa

Start at: 2018-01-26 18:17:38

End at: 2018-01-26 18:18:08

```
# Below is generated by plot.py at 2018-01-26 22:05:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 134.80 Mbit/s
95th percentile per-packet one-way delay: 50.829 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 70.69 Mbit/s
95th percentile per-packet one-way delay: 50.797 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 66.53 Mbit/s
95th percentile per-packet one-way delay: 50.860 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 76.52 Mbit/s
95th percentile per-packet one-way delay: 50.824 ms
Loss rate: 1.44%
```

### Run 9: Report of Copa — Data Link



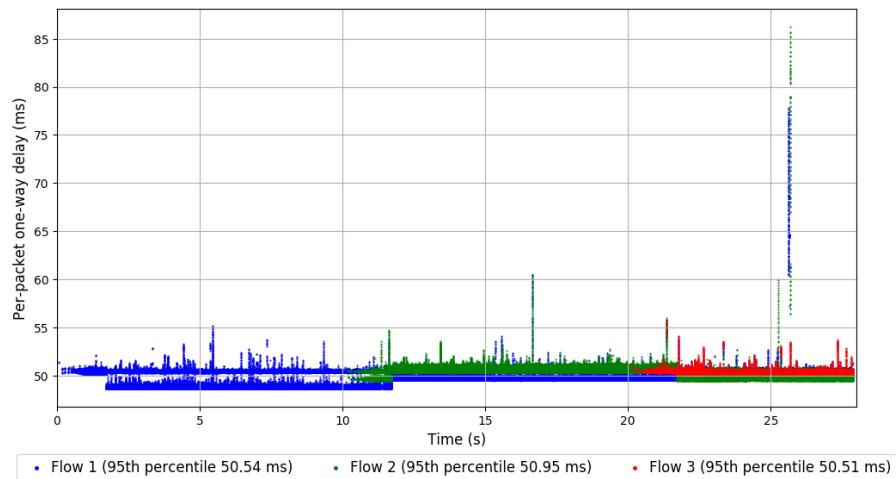
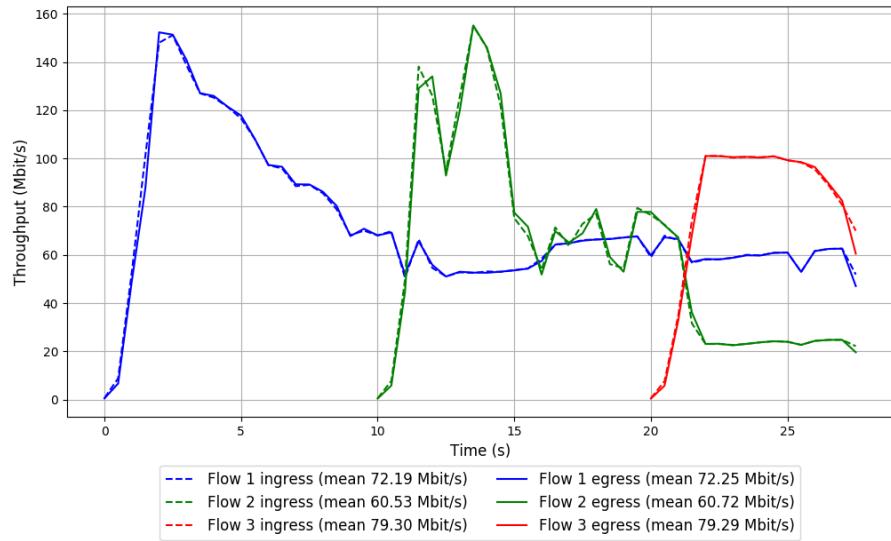
Run 10: Statistics of Copa

Start at: 2018-01-26 18:31:59

End at: 2018-01-26 18:32:29

```
# Below is generated by plot.py at 2018-01-26 22:05:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 133.33 Mbit/s
95th percentile per-packet one-way delay: 50.800 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 72.25 Mbit/s
95th percentile per-packet one-way delay: 50.541 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 60.72 Mbit/s
95th percentile per-packet one-way delay: 50.950 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 79.29 Mbit/s
95th percentile per-packet one-way delay: 50.513 ms
Loss rate: 1.28%
```

Run 10: Report of Copa — Data Link

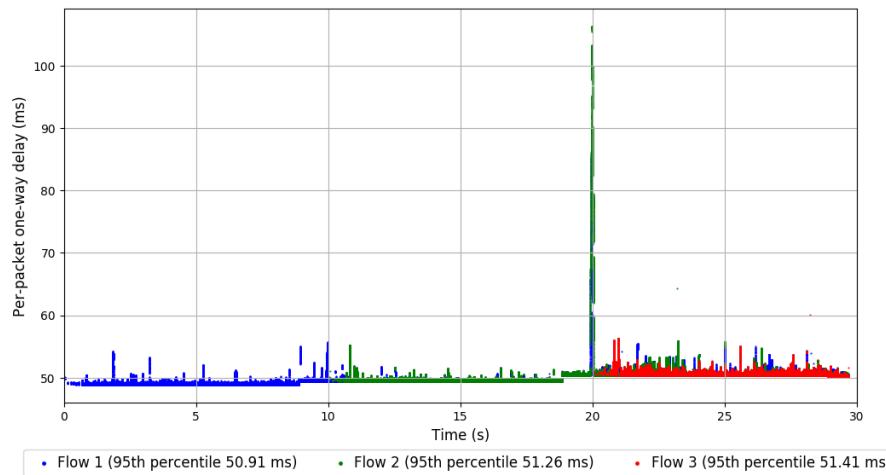
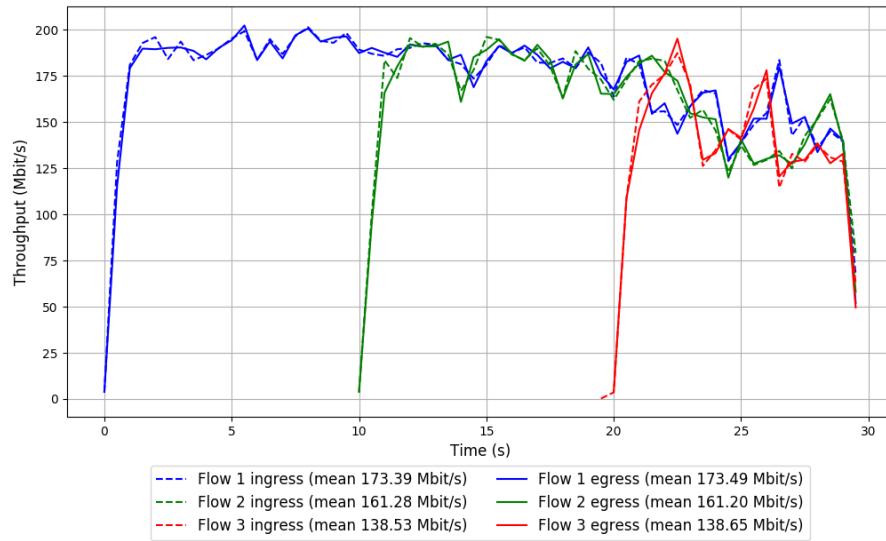


```
Run 1: Statistics of Indigo-2-256

Start at: 2018-01-26 16:15:33
End at: 2018-01-26 16:16:03

# Below is generated by plot.py at 2018-01-26 22:08:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 325.39 Mbit/s
95th percentile per-packet one-way delay: 51.100 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 173.49 Mbit/s
95th percentile per-packet one-way delay: 50.905 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 161.20 Mbit/s
95th percentile per-packet one-way delay: 51.258 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 138.65 Mbit/s
95th percentile per-packet one-way delay: 51.410 ms
Loss rate: 0.93%
```

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



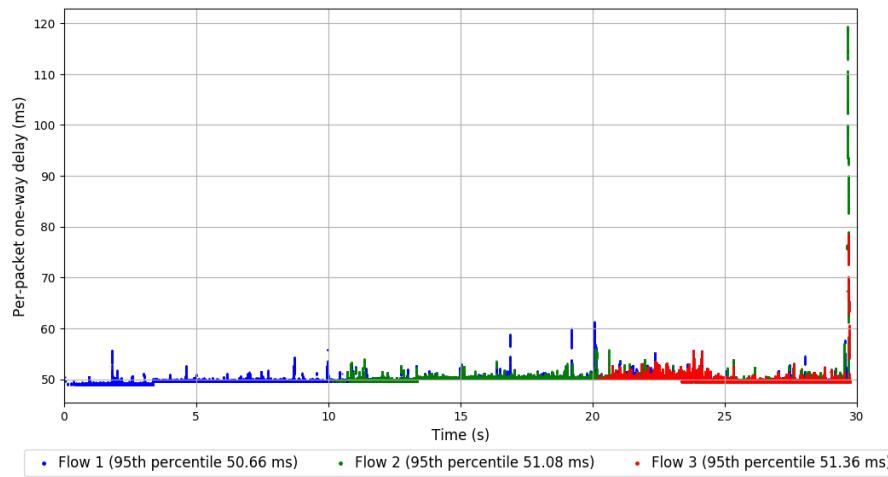
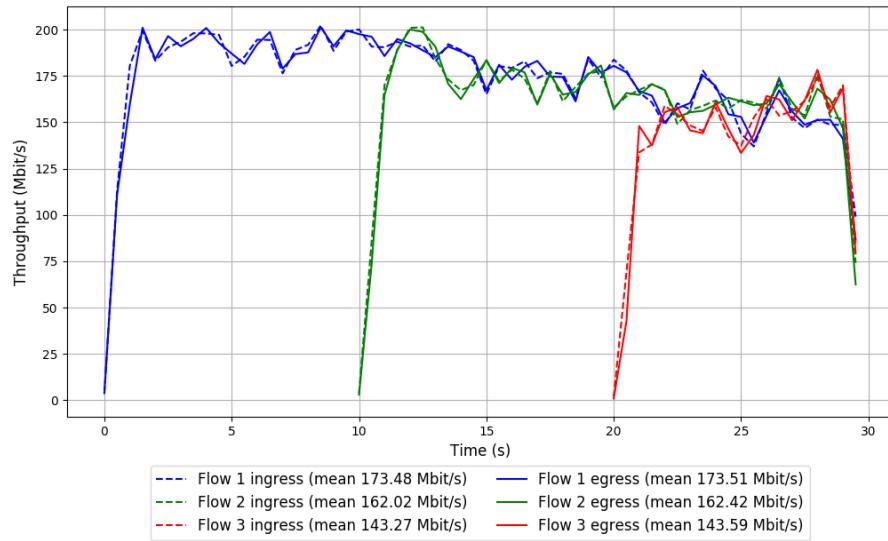
Run 2: Statistics of Indigo-2-256

Start at: 2018-01-26 16:29:59

End at: 2018-01-26 16:30:29

```
# Below is generated by plot.py at 2018-01-26 22:09:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 326.97 Mbit/s
95th percentile per-packet one-way delay: 50.936 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 173.51 Mbit/s
95th percentile per-packet one-way delay: 50.657 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 162.42 Mbit/s
95th percentile per-packet one-way delay: 51.081 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 143.59 Mbit/s
95th percentile per-packet one-way delay: 51.356 ms
Loss rate: 0.83%
```

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



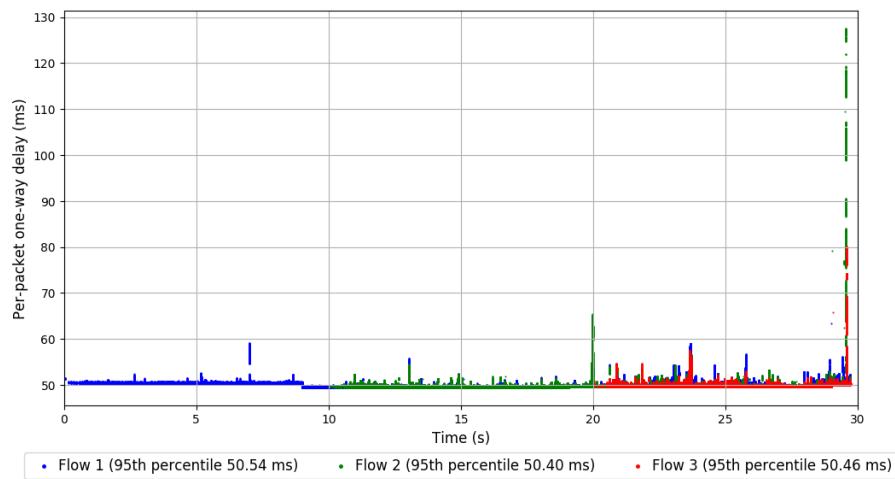
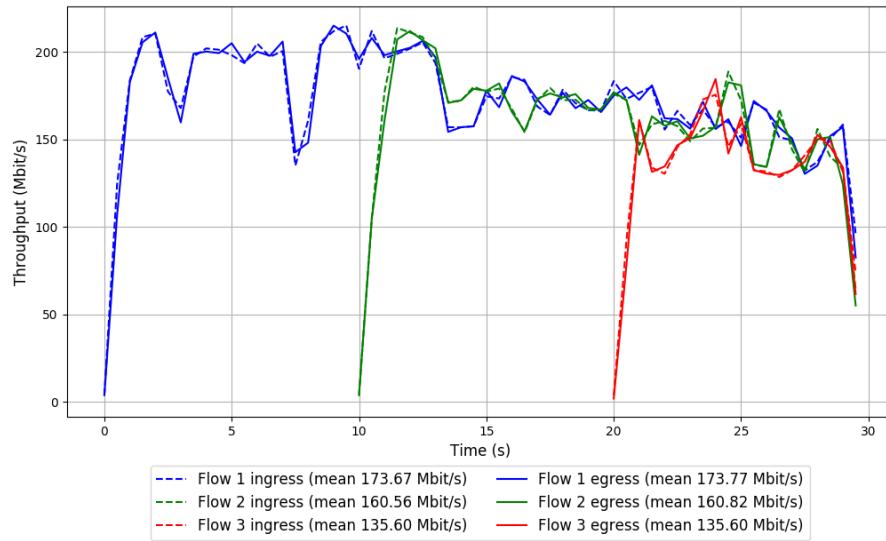
Run 3: Statistics of Indigo-2-256

Start at: 2018-01-26 16:44:23

End at: 2018-01-26 16:44:53

```
# Below is generated by plot.py at 2018-01-26 22:09:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 324.39 Mbit/s
95th percentile per-packet one-way delay: 50.530 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 173.77 Mbit/s
95th percentile per-packet one-way delay: 50.543 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 160.82 Mbit/s
95th percentile per-packet one-way delay: 50.400 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 135.60 Mbit/s
95th percentile per-packet one-way delay: 50.459 ms
Loss rate: 1.04%
```

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



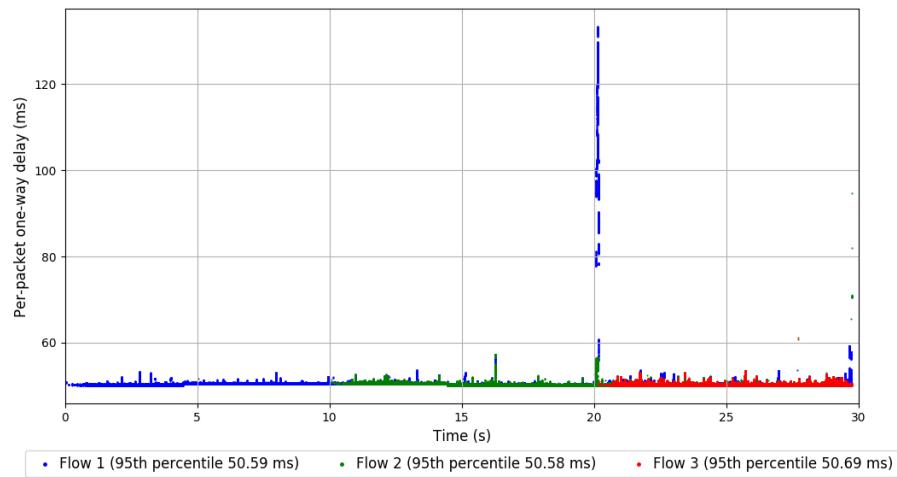
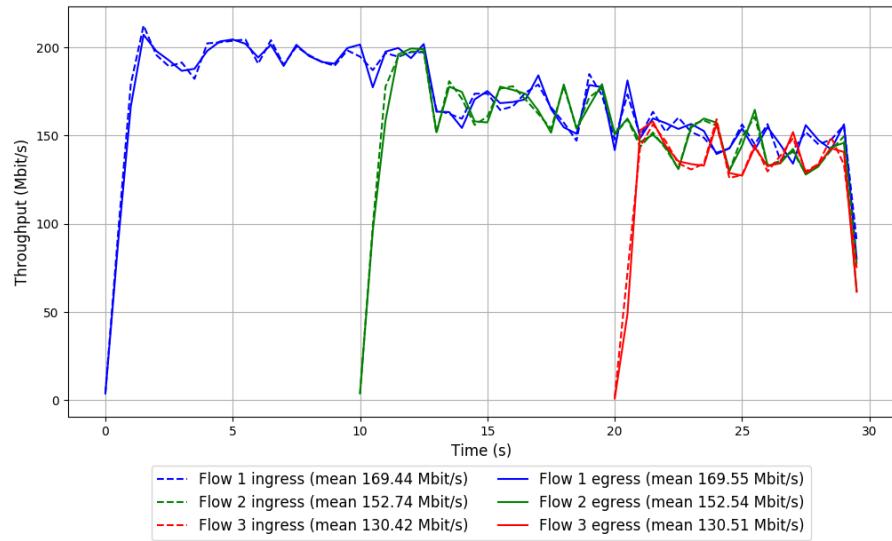
Run 4: Statistics of Indigo-2-256

Start at: 2018-01-26 16:58:58

End at: 2018-01-26 16:59:28

```
# Below is generated by plot.py at 2018-01-26 22:09:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 312.50 Mbit/s
95th percentile per-packet one-way delay: 50.593 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 169.55 Mbit/s
95th percentile per-packet one-way delay: 50.586 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 152.54 Mbit/s
95th percentile per-packet one-way delay: 50.579 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 130.51 Mbit/s
95th percentile per-packet one-way delay: 50.691 ms
Loss rate: 1.04%
```

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



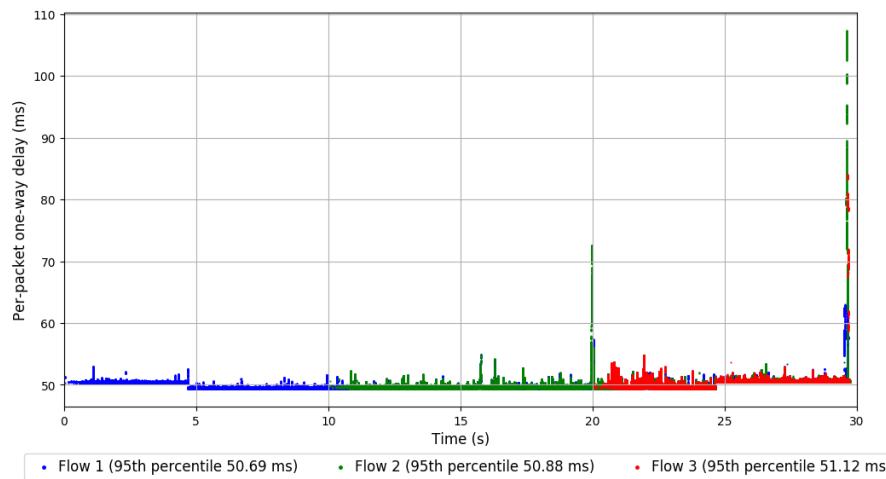
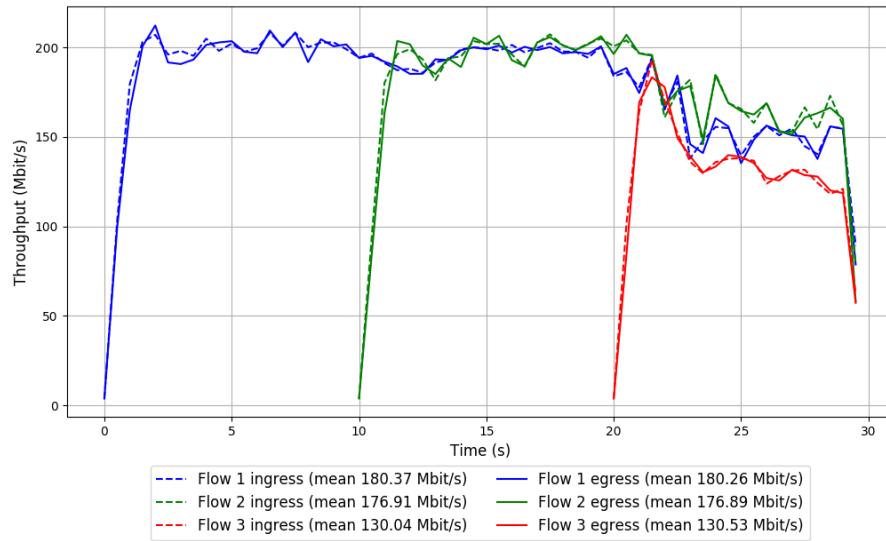
Run 5: Statistics of Indigo-2-256

Start at: 2018-01-26 17:13:28

End at: 2018-01-26 17:13:58

```
# Below is generated by plot.py at 2018-01-26 22:10:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 339.85 Mbit/s
95th percentile per-packet one-way delay: 50.791 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 180.26 Mbit/s
95th percentile per-packet one-way delay: 50.686 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 176.89 Mbit/s
95th percentile per-packet one-way delay: 50.885 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 130.53 Mbit/s
95th percentile per-packet one-way delay: 51.125 ms
Loss rate: 0.72%
```

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



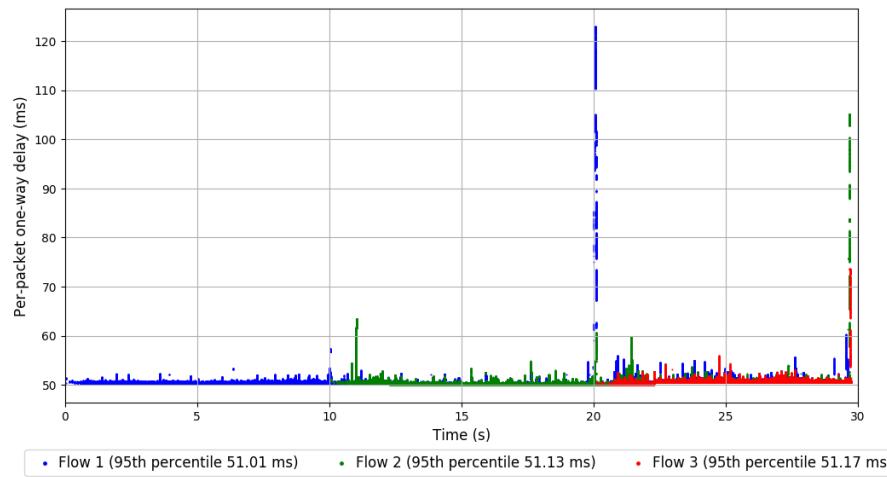
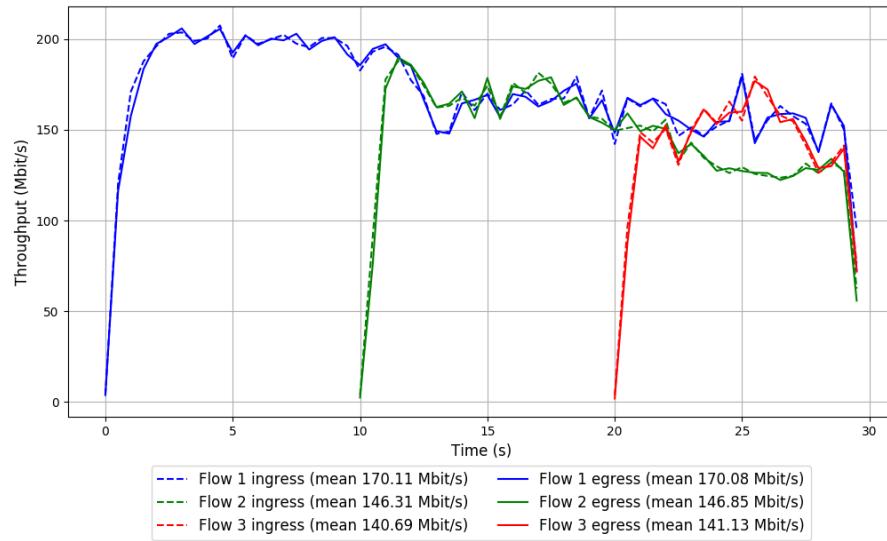
Run 6: Statistics of Indigo-2-256

Start at: 2018-01-26 17:28:00

End at: 2018-01-26 17:28:30

```
# Below is generated by plot.py at 2018-01-26 22:10:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 312.91 Mbit/s
95th percentile per-packet one-way delay: 51.073 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 170.08 Mbit/s
95th percentile per-packet one-way delay: 51.006 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 146.85 Mbit/s
95th percentile per-packet one-way delay: 51.126 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 141.13 Mbit/s
95th percentile per-packet one-way delay: 51.169 ms
Loss rate: 0.75%
```

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



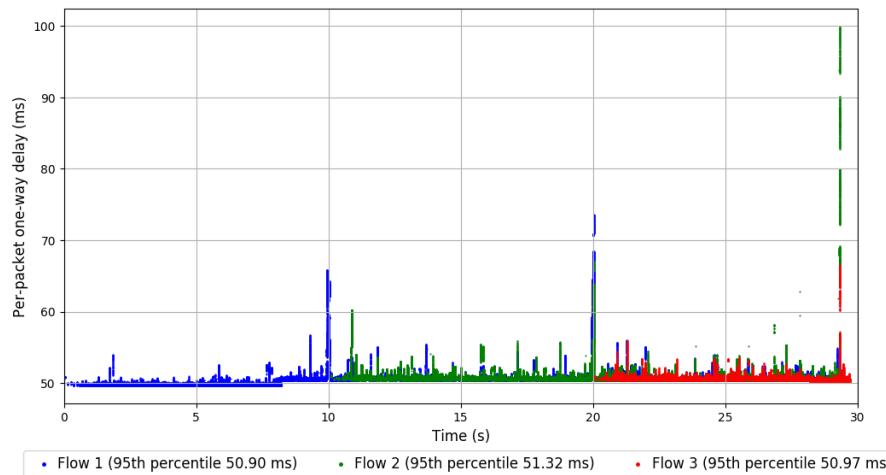
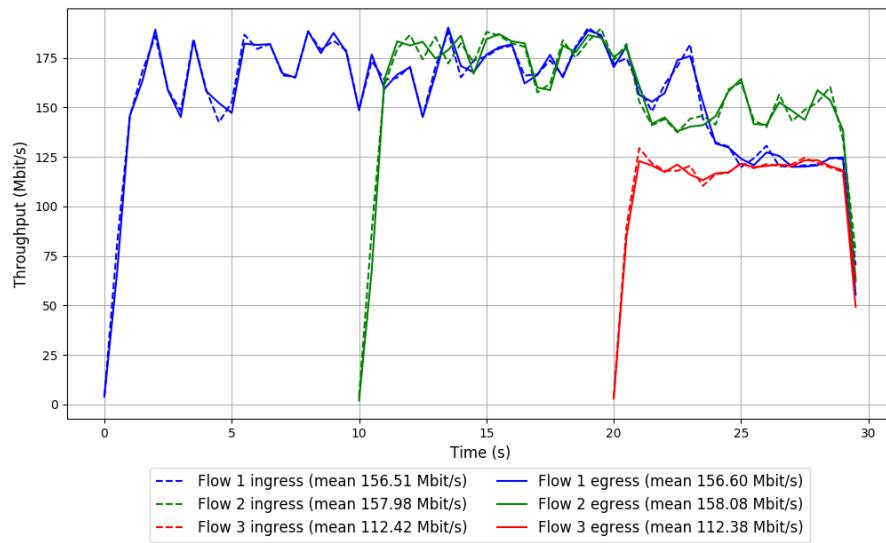
Run 7: Statistics of Indigo-2-256

Start at: 2018-01-26 17:42:14

End at: 2018-01-26 17:42:44

```
# Below is generated by plot.py at 2018-01-26 22:10:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 297.73 Mbit/s
95th percentile per-packet one-way delay: 51.051 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 156.60 Mbit/s
95th percentile per-packet one-way delay: 50.898 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 158.08 Mbit/s
95th percentile per-packet one-way delay: 51.319 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 112.38 Mbit/s
95th percentile per-packet one-way delay: 50.973 ms
Loss rate: 1.08%
```

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



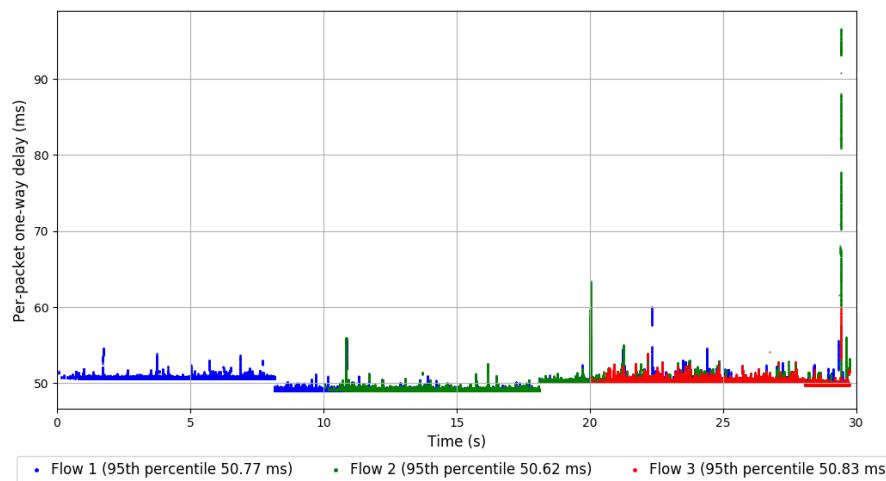
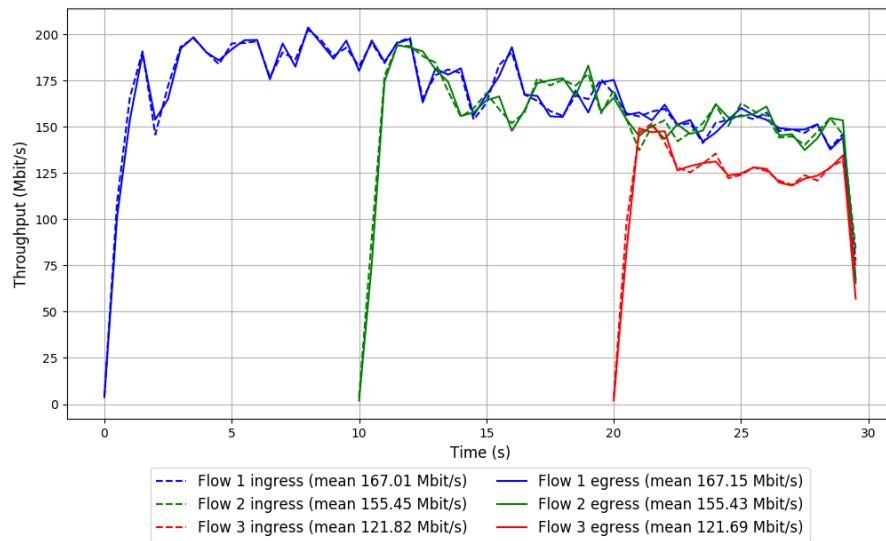
Run 8: Statistics of Indigo-2-256

Start at: 2018-01-26 17:56:34

End at: 2018-01-26 17:57:04

```
# Below is generated by plot.py at 2018-01-26 22:11:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 309.68 Mbit/s
95th percentile per-packet one-way delay: 50.753 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 167.15 Mbit/s
95th percentile per-packet one-way delay: 50.765 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 155.43 Mbit/s
95th percentile per-packet one-way delay: 50.618 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 121.69 Mbit/s
95th percentile per-packet one-way delay: 50.826 ms
Loss rate: 1.12%
```

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

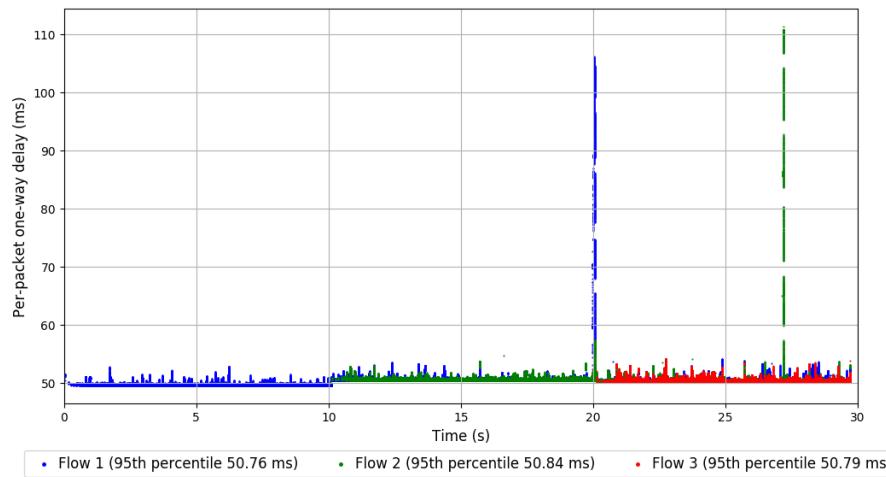
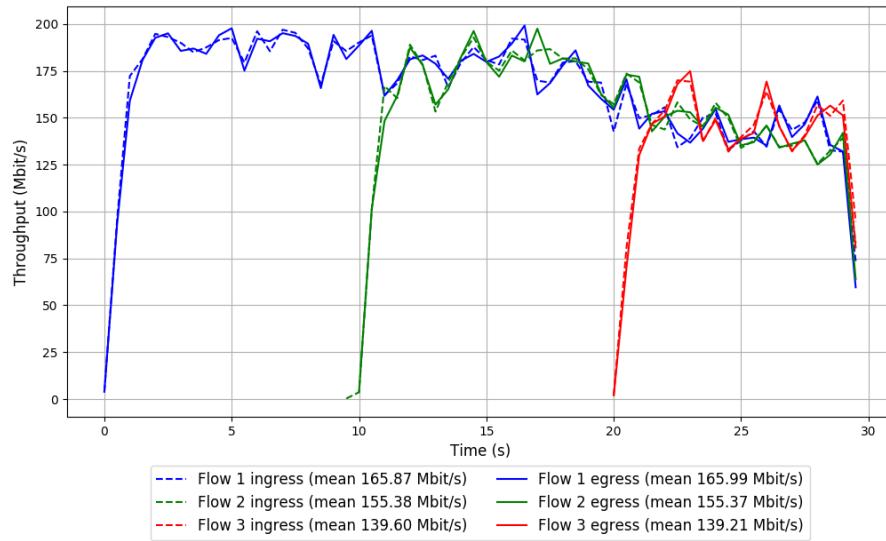


```
Run 9: Statistics of Indigo-2-256

Start at: 2018-01-26 18:11:02
End at: 2018-01-26 18:11:32

# Below is generated by plot.py at 2018-01-26 22:13:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 313.94 Mbit/s
95th percentile per-packet one-way delay: 50.793 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 165.99 Mbit/s
95th percentile per-packet one-way delay: 50.758 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 155.37 Mbit/s
95th percentile per-packet one-way delay: 50.845 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 139.21 Mbit/s
95th percentile per-packet one-way delay: 50.790 ms
Loss rate: 1.31%
```

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



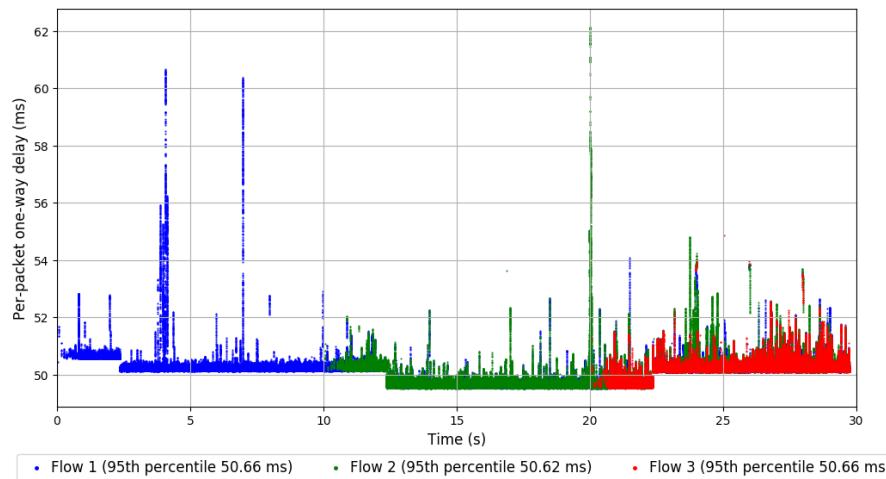
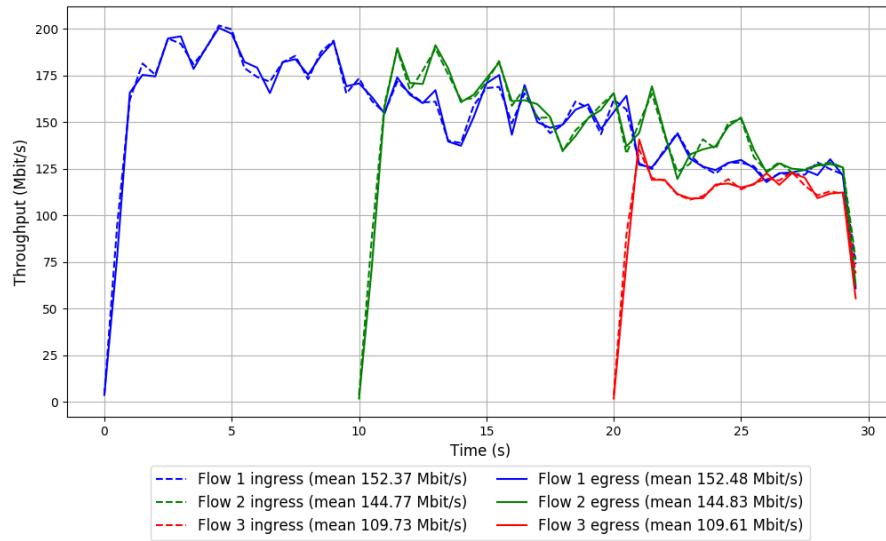
Run 10: Statistics of Indigo-2-256

Start at: 2018-01-26 18:25:30

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

```
# Below is generated by plot.py at 2018-01-26 22:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 284.12 Mbit/s
95th percentile per-packet one-way delay: 50.656 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 152.48 Mbit/s
95th percentile per-packet one-way delay: 50.661 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 144.83 Mbit/s
95th percentile per-packet one-way delay: 50.617 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 109.61 Mbit/s
95th percentile per-packet one-way delay: 50.663 ms
Loss rate: 1.14%
```

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

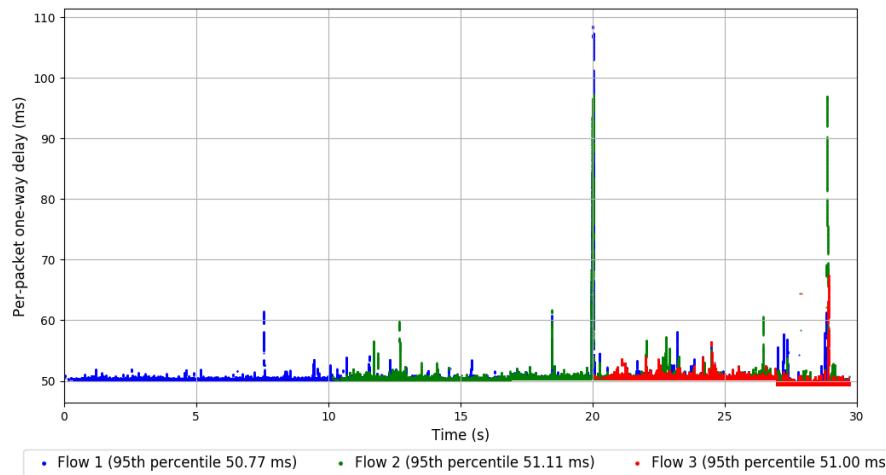
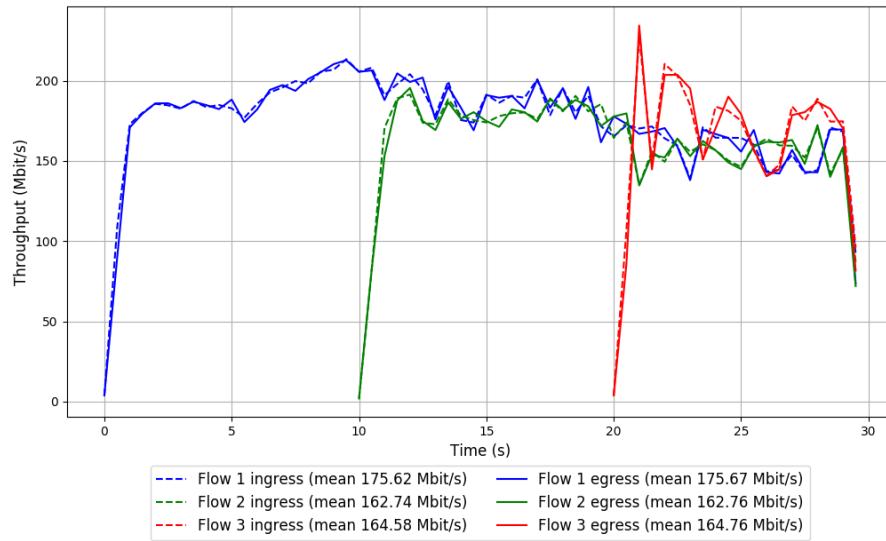


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-26 16:13:25
End at: 2018-01-26 16:13:55

# Below is generated by plot.py at 2018-01-26 22:15:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 336.63 Mbit/s
95th percentile per-packet one-way delay: 50.920 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 175.67 Mbit/s
95th percentile per-packet one-way delay: 50.774 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 162.76 Mbit/s
95th percentile per-packet one-way delay: 51.106 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 164.76 Mbit/s
95th percentile per-packet one-way delay: 50.999 ms
Loss rate: 0.94%
```

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



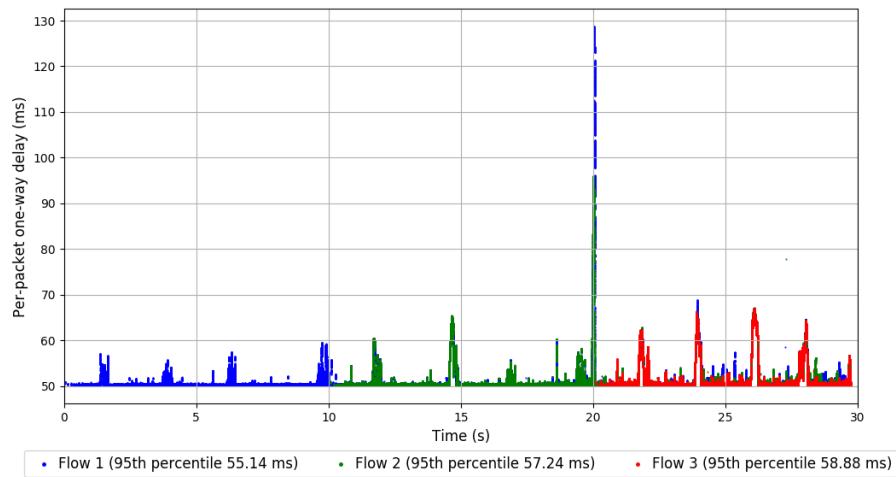
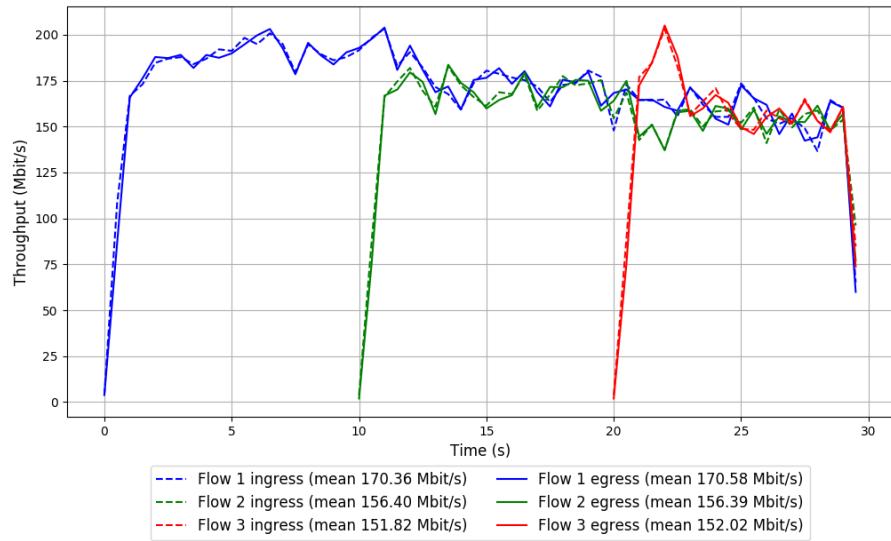
Run 2: Statistics of Indigo-1-32

Start at: 2018-01-26 16:27:53

End at: 2018-01-26 16:28:23

```
# Below is generated by plot.py at 2018-01-26 22:15:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 323.53 Mbit/s
95th percentile per-packet one-way delay: 56.583 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 170.58 Mbit/s
95th percentile per-packet one-way delay: 55.139 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 156.39 Mbit/s
95th percentile per-packet one-way delay: 57.242 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 152.02 Mbit/s
95th percentile per-packet one-way delay: 58.883 ms
Loss rate: 0.90%
```

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



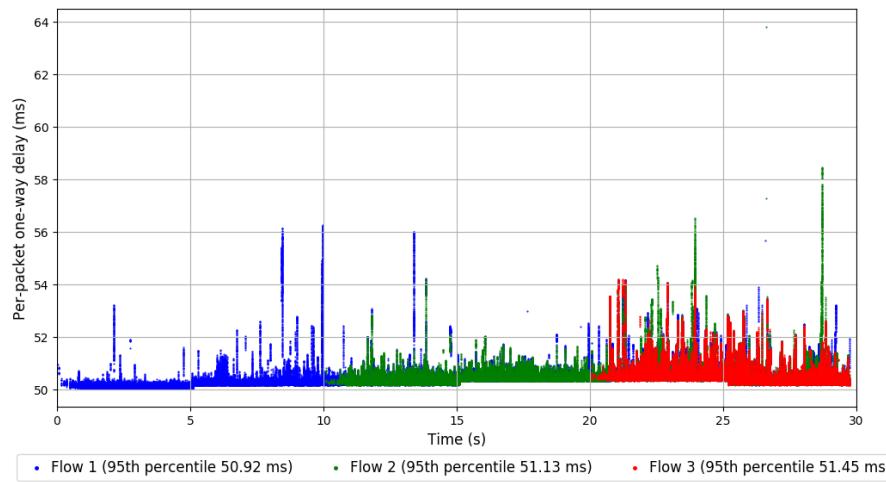
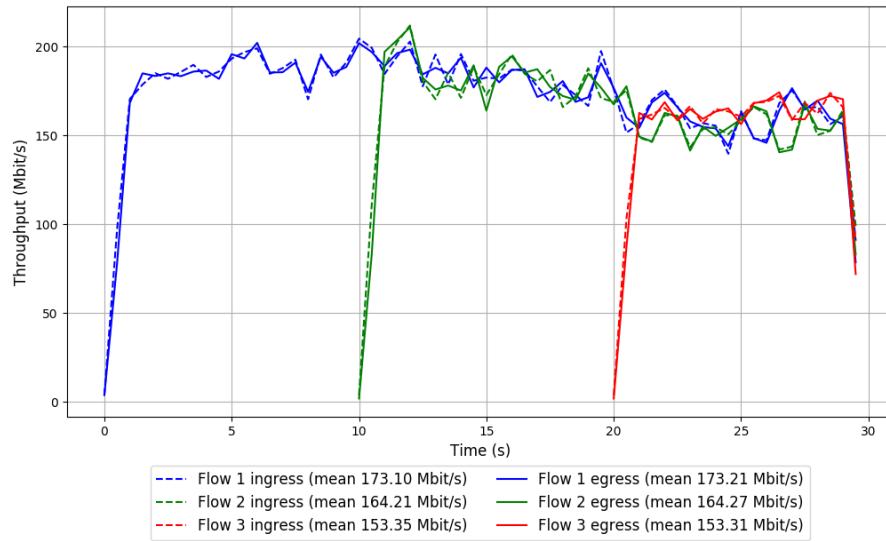
Run 3: Statistics of Indigo-1-32

Start at: 2018-01-26 16:42:17

End at: 2018-01-26 16:42:47

```
# Below is generated by plot.py at 2018-01-26 22:15:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 331.79 Mbit/s
95th percentile per-packet one-way delay: 51.093 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 173.21 Mbit/s
95th percentile per-packet one-way delay: 50.924 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 164.27 Mbit/s
95th percentile per-packet one-way delay: 51.126 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 153.31 Mbit/s
95th percentile per-packet one-way delay: 51.449 ms
Loss rate: 1.08%
```

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



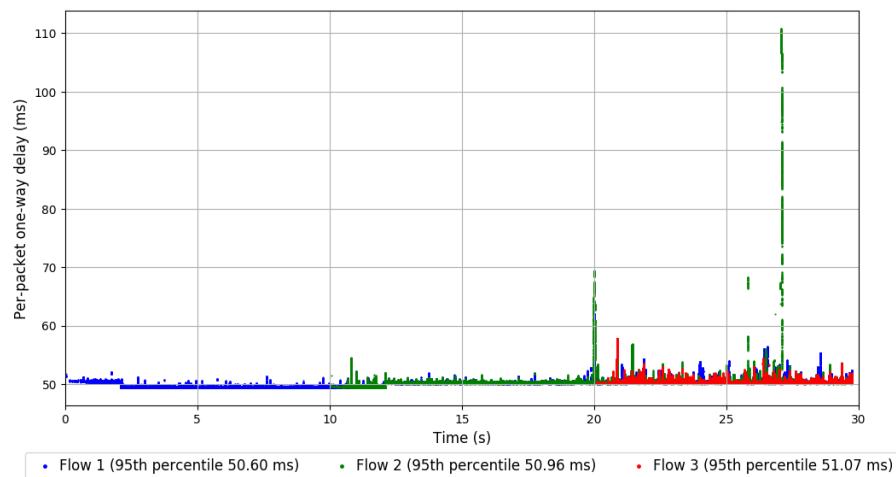
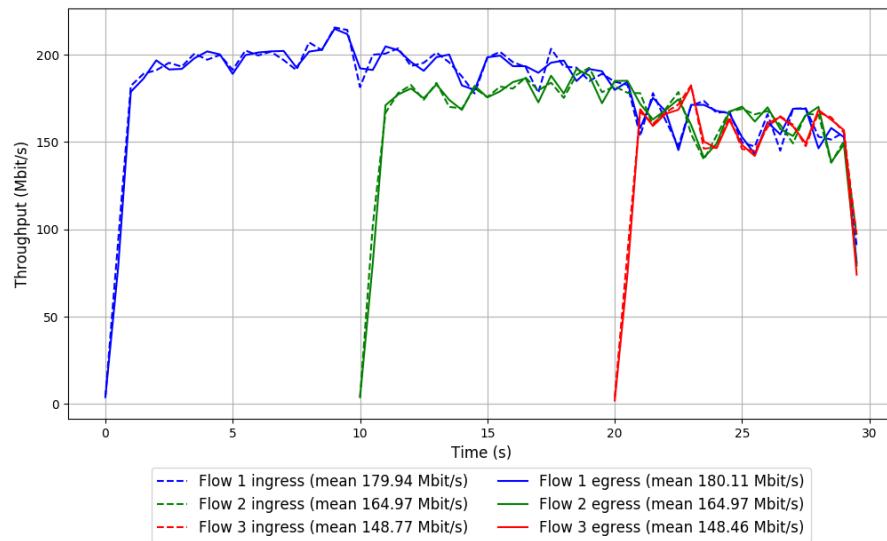
Run 4: Statistics of Indigo-1-32

Start at: 2018-01-26 16:56:50

End at: 2018-01-26 16:57:20

```
# Below is generated by plot.py at 2018-01-26 22:16:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 337.69 Mbit/s
95th percentile per-packet one-way delay: 50.808 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 180.11 Mbit/s
95th percentile per-packet one-way delay: 50.603 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 164.97 Mbit/s
95th percentile per-packet one-way delay: 50.961 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 148.46 Mbit/s
95th percentile per-packet one-way delay: 51.071 ms
Loss rate: 1.19%
```

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



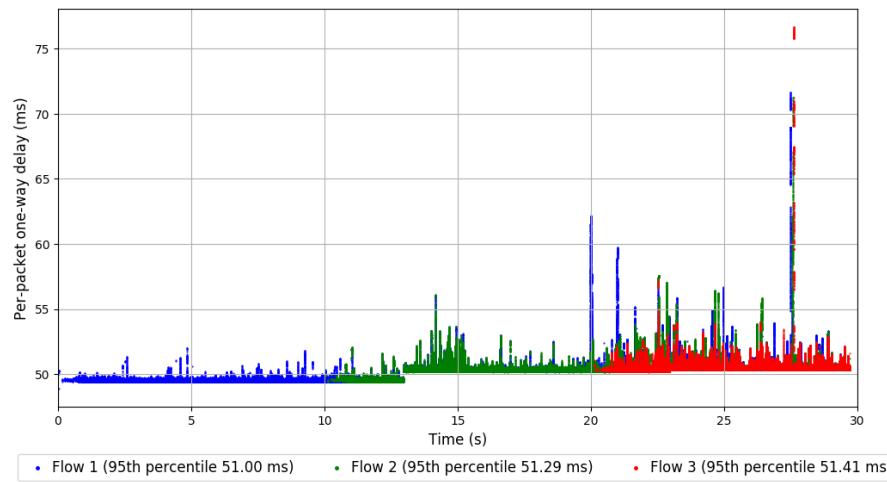
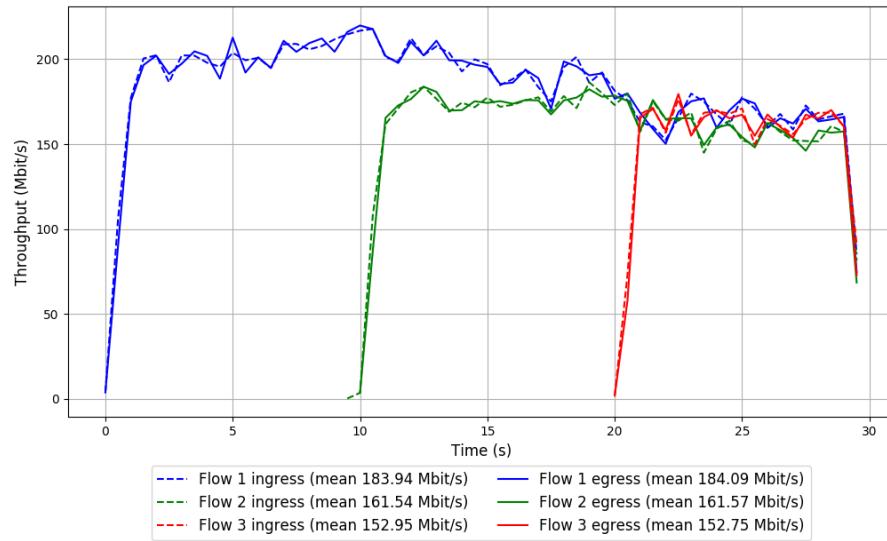
Run 5: Statistics of Indigo-1-32

Start at: 2018-01-26 17:11:19

End at: 2018-01-26 17:11:49

```
# Below is generated by plot.py at 2018-01-26 22:16:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 340.58 Mbit/s
95th percentile per-packet one-way delay: 51.173 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 184.09 Mbit/s
95th percentile per-packet one-way delay: 51.000 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 161.57 Mbit/s
95th percentile per-packet one-way delay: 51.287 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 152.75 Mbit/s
95th percentile per-packet one-way delay: 51.414 ms
Loss rate: 1.17%
```

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



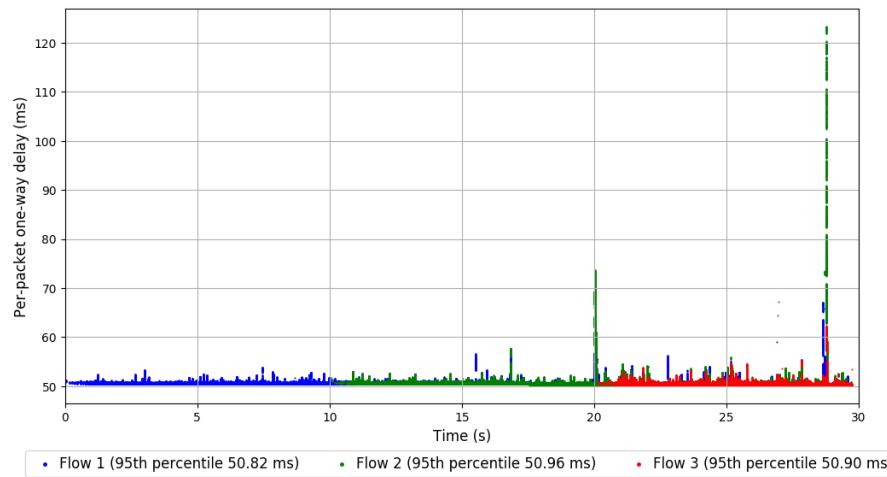
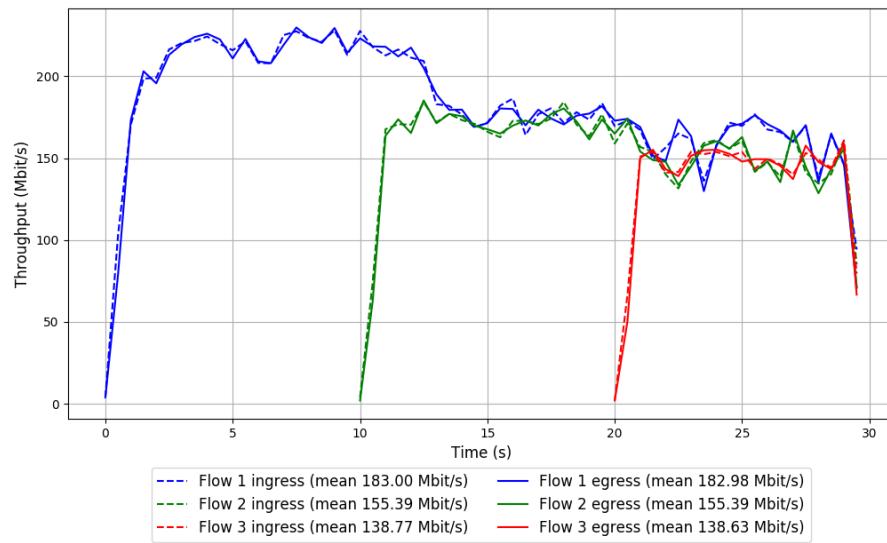
Run 6: Statistics of Indigo-1-32

Start at: 2018-01-26 17:25:55

End at: 2018-01-26 17:26:25

```
# Below is generated by plot.py at 2018-01-26 22:17:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 330.42 Mbit/s
95th percentile per-packet one-way delay: 50.867 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 182.98 Mbit/s
95th percentile per-packet one-way delay: 50.818 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 155.39 Mbit/s
95th percentile per-packet one-way delay: 50.960 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 138.63 Mbit/s
95th percentile per-packet one-way delay: 50.902 ms
Loss rate: 1.13%
```

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



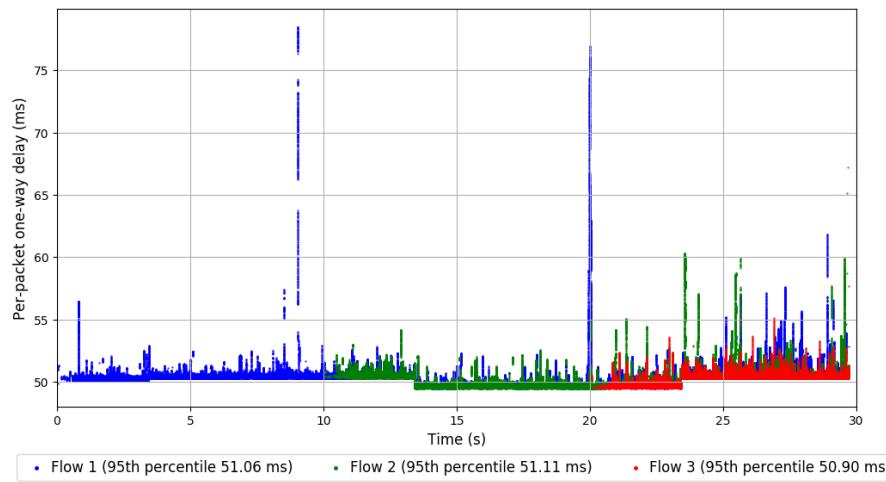
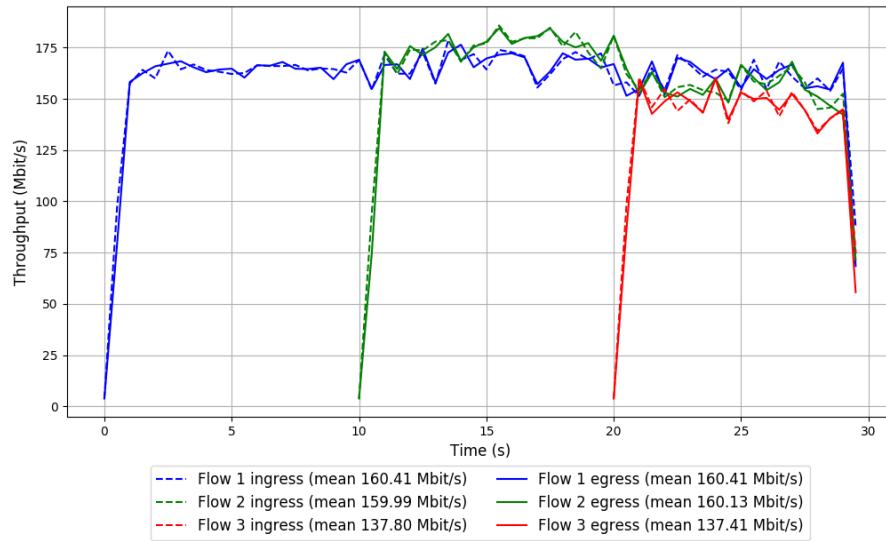
Run 7: Statistics of Indigo-1-32

Start at: 2018-01-26 17:40:09

End at: 2018-01-26 17:40:39

```
# Below is generated by plot.py at 2018-01-26 22:19:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 311.23 Mbit/s
95th percentile per-packet one-way delay: 51.048 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 160.41 Mbit/s
95th percentile per-packet one-way delay: 51.063 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 160.13 Mbit/s
95th percentile per-packet one-way delay: 51.112 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 137.41 Mbit/s
95th percentile per-packet one-way delay: 50.900 ms
Loss rate: 1.26%
```

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



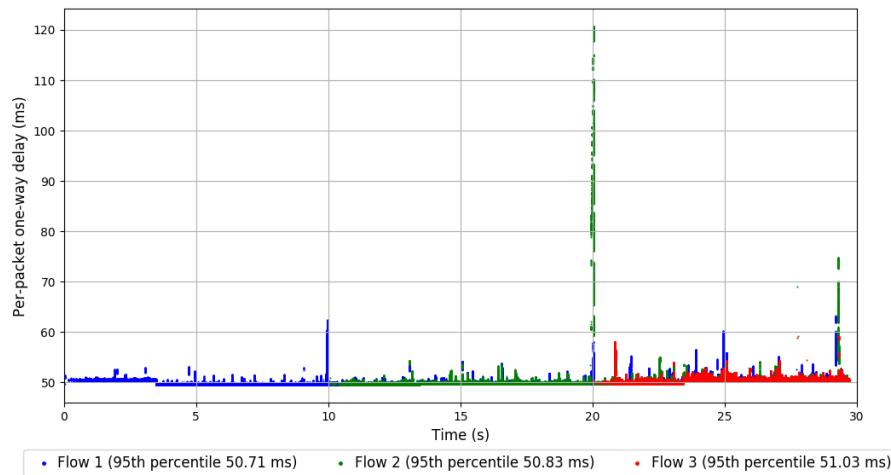
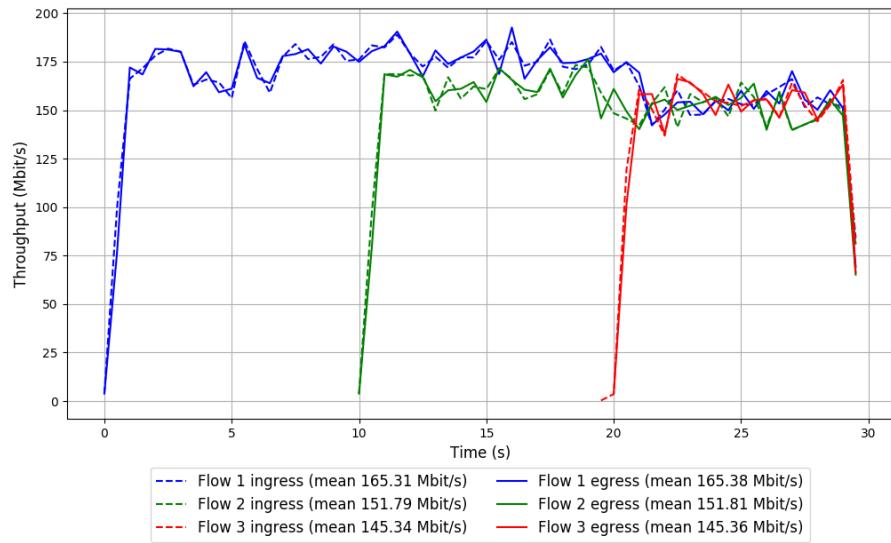
Run 8: Statistics of Indigo-1-32

Start at: 2018-01-26 17:54:29

End at: 2018-01-26 17:54:59

```
# Below is generated by plot.py at 2018-01-26 22:19:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 313.29 Mbit/s
95th percentile per-packet one-way delay: 50.810 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 165.38 Mbit/s
95th percentile per-packet one-way delay: 50.708 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 151.81 Mbit/s
95th percentile per-packet one-way delay: 50.831 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 145.36 Mbit/s
95th percentile per-packet one-way delay: 51.034 ms
Loss rate: 1.01%
```

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



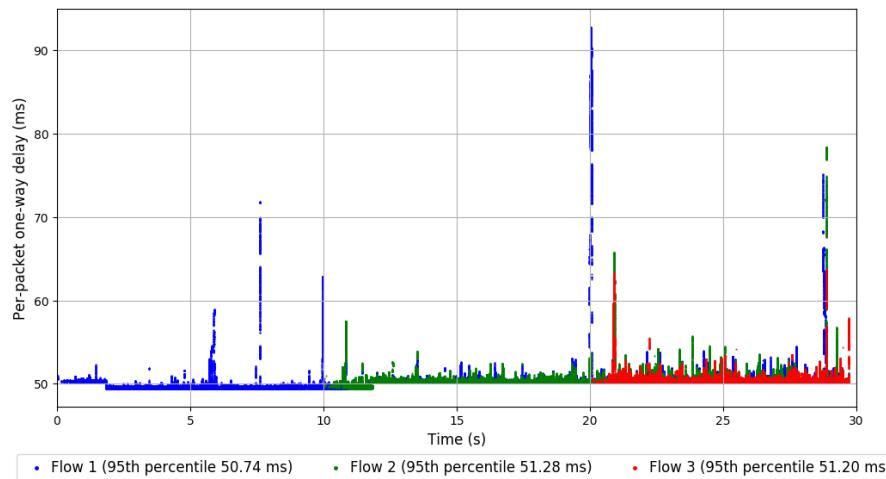
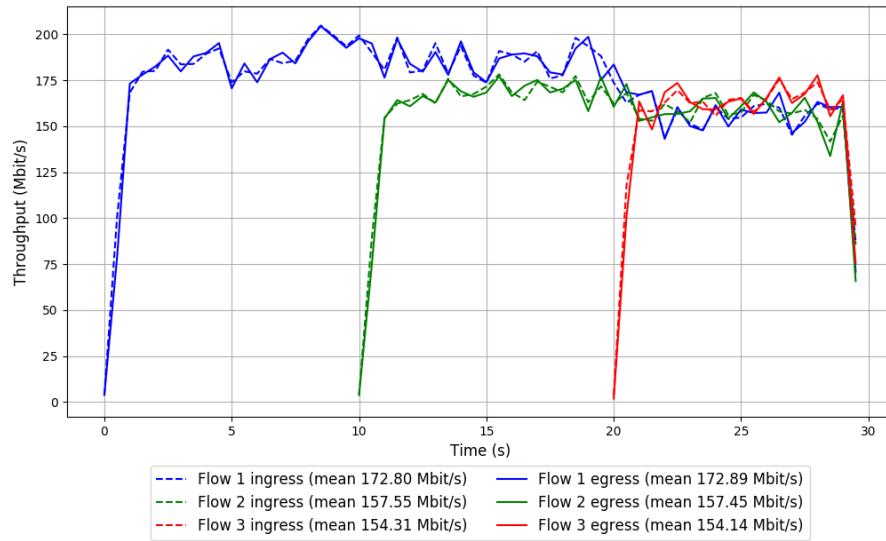
Run 9: Statistics of Indigo-1-32

Start at: 2018-01-26 18:09:00

End at: 2018-01-26 18:09:30

```
# Below is generated by plot.py at 2018-01-26 22:21:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 327.17 Mbit/s
95th percentile per-packet one-way delay: 51.025 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 172.89 Mbit/s
95th percentile per-packet one-way delay: 50.739 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 157.45 Mbit/s
95th percentile per-packet one-way delay: 51.281 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 154.14 Mbit/s
95th percentile per-packet one-way delay: 51.199 ms
Loss rate: 1.17%
```

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

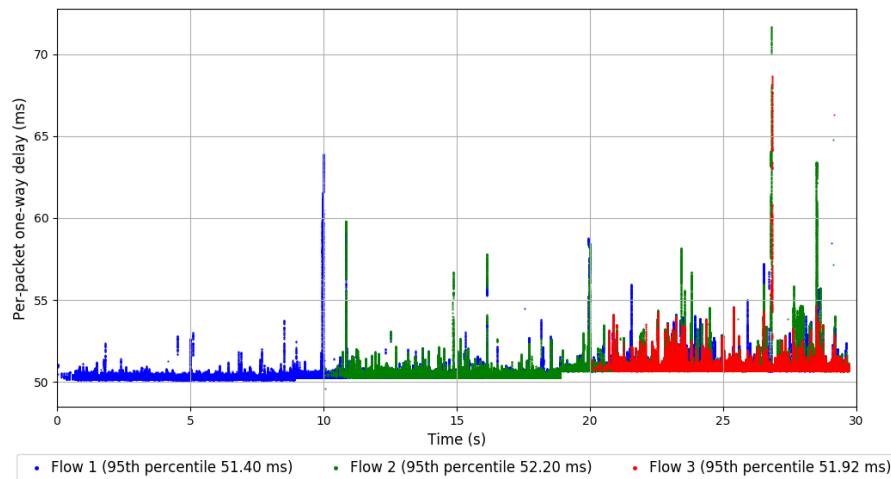
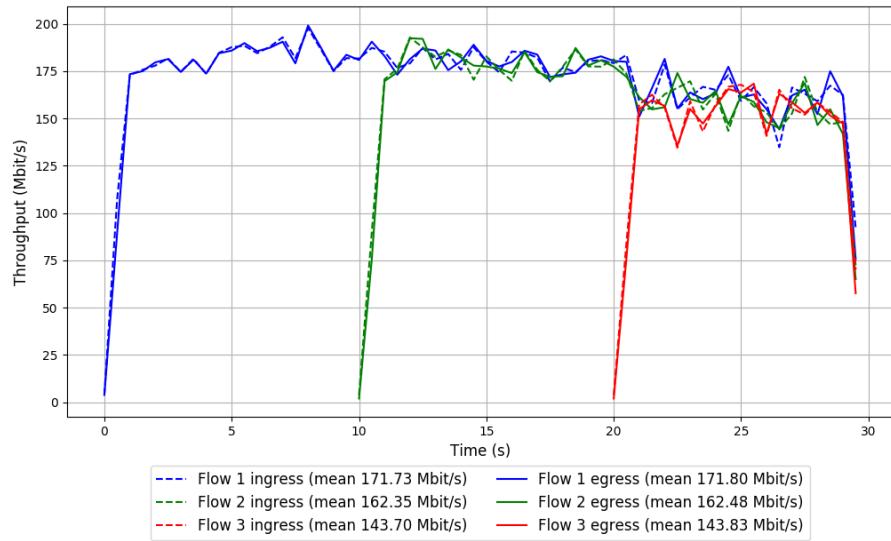


```
Run 10: Statistics of Indigo-1-32

Start at: 2018-01-26 18:23:23
End at: 2018-01-26 18:23:53

# Below is generated by plot.py at 2018-01-26 22:21:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 326.10 Mbit/s
95th percentile per-packet one-way delay: 51.728 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 171.80 Mbit/s
95th percentile per-packet one-way delay: 51.402 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 162.48 Mbit/s
95th percentile per-packet one-way delay: 52.202 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 143.83 Mbit/s
95th percentile per-packet one-way delay: 51.916 ms
Loss rate: 0.97%
```

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

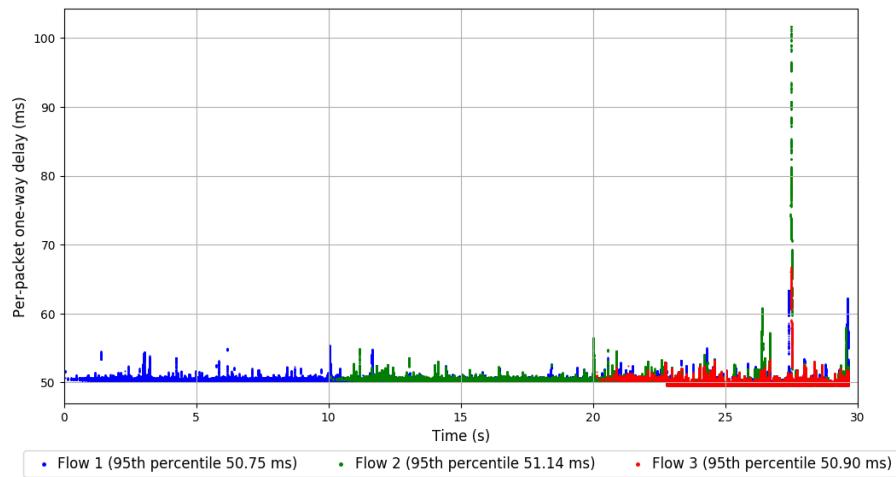
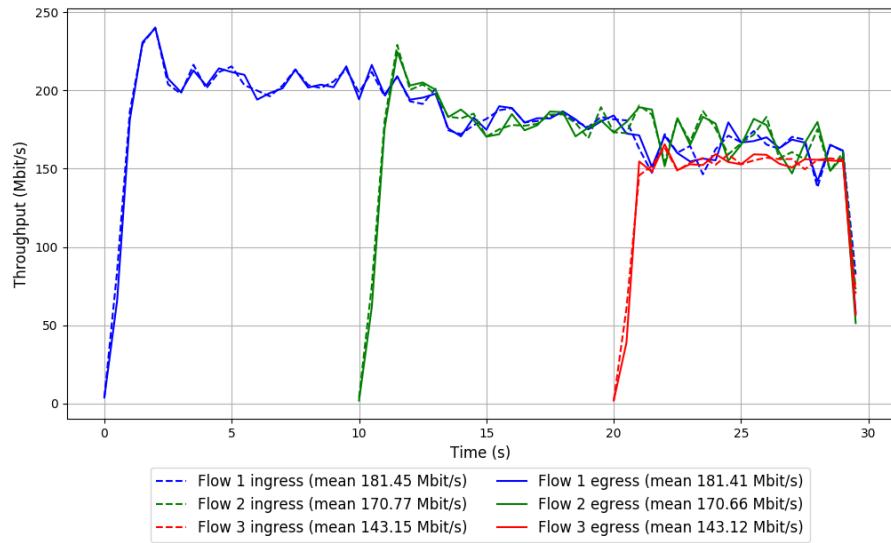


```
Run 1: Statistics of Indigo-1-128

Start at: 2018-01-26 16:14:29
End at: 2018-01-26 16:14:59

# Below is generated by plot.py at 2018-01-26 22:21:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 340.32 Mbit/s
95th percentile per-packet one-way delay: 50.874 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 181.41 Mbit/s
95th percentile per-packet one-way delay: 50.753 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 170.66 Mbit/s
95th percentile per-packet one-way delay: 51.140 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 143.12 Mbit/s
95th percentile per-packet one-way delay: 50.897 ms
Loss rate: 1.08%
```

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



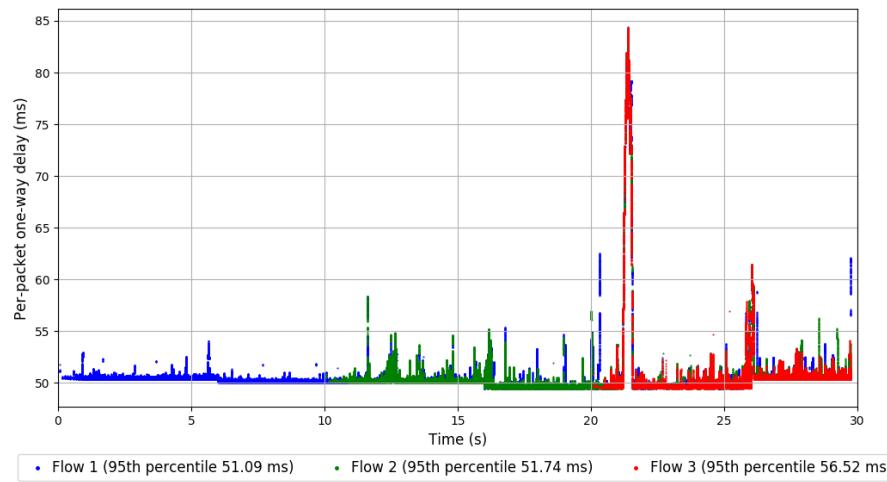
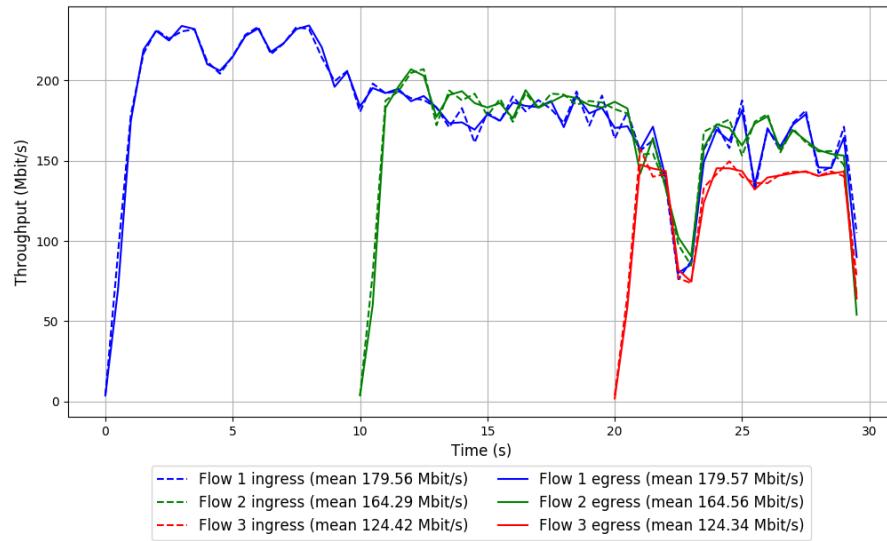
Run 2: Statistics of Indigo-1-128

Start at: 2018-01-26 16:28:56

End at: 2018-01-26 16:29:26

```
# Below is generated by plot.py at 2018-01-26 22:22:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 328.96 Mbit/s
95th percentile per-packet one-way delay: 51.494 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 179.57 Mbit/s
95th percentile per-packet one-way delay: 51.088 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 164.56 Mbit/s
95th percentile per-packet one-way delay: 51.737 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 124.34 Mbit/s
95th percentile per-packet one-way delay: 56.521 ms
Loss rate: 1.10%
```

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

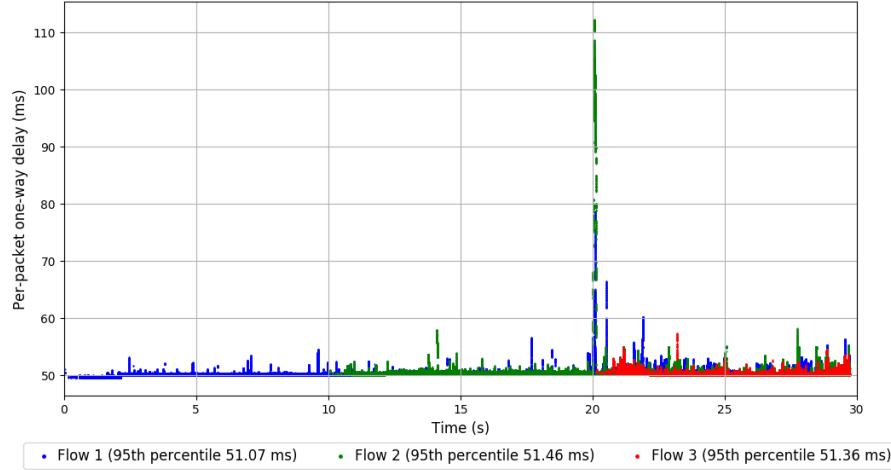
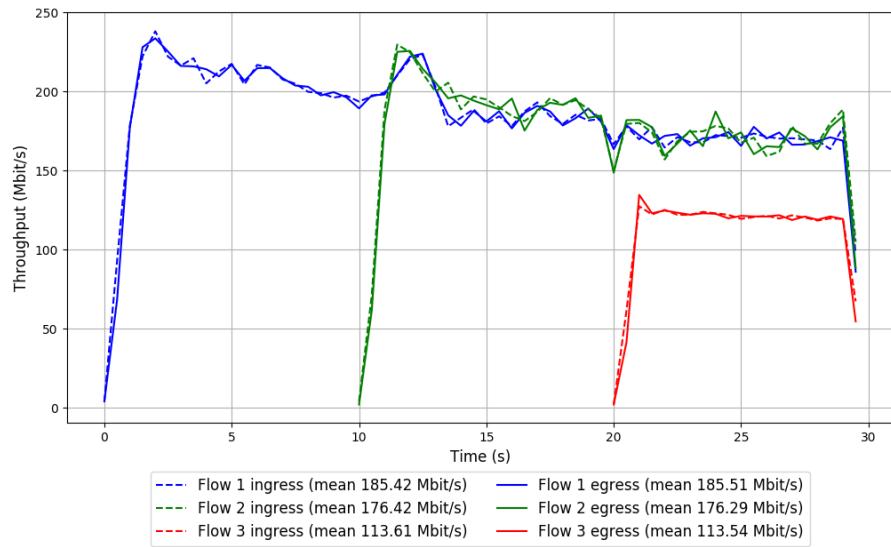


```
Run 3: Statistics of Indigo-1-128

Start at: 2018-01-26 16:43:20
End at: 2018-01-26 16:43:50

# Below is generated by plot.py at 2018-01-26 22:22:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 338.85 Mbit/s
95th percentile per-packet one-way delay: 51.253 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 185.51 Mbit/s
95th percentile per-packet one-way delay: 51.069 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 176.29 Mbit/s
95th percentile per-packet one-way delay: 51.458 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 113.54 Mbit/s
95th percentile per-packet one-way delay: 51.357 ms
Loss rate: 1.09%
```

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

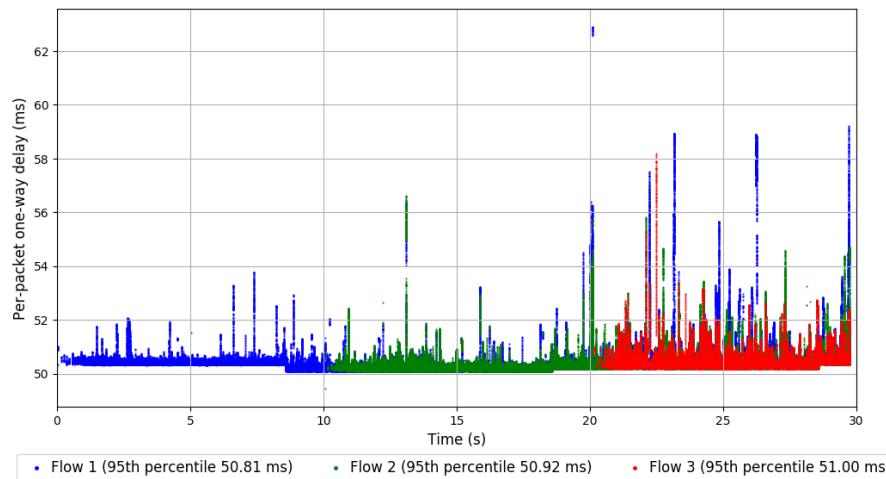
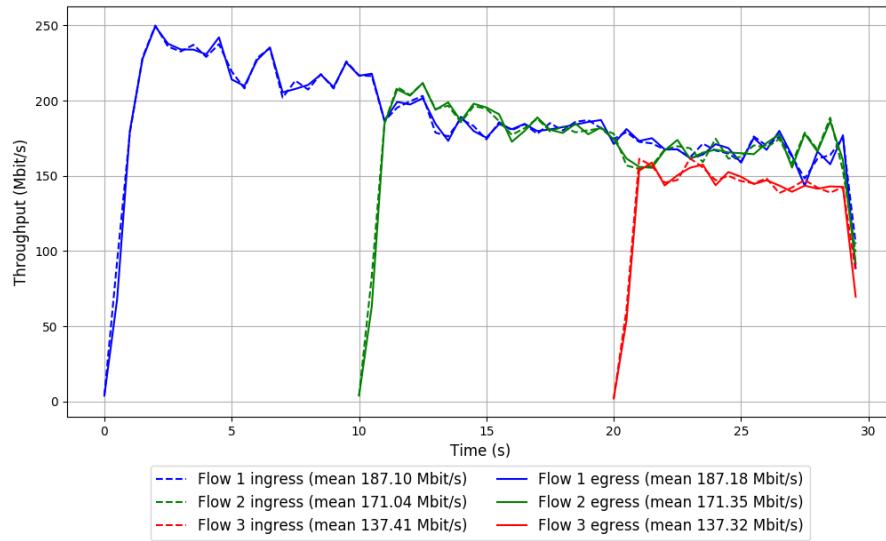


```
Run 4: Statistics of Indigo-1-128

Start at: 2018-01-26 16:57:54
End at: 2018-01-26 16:58:24

# Below is generated by plot.py at 2018-01-26 22:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 345.10 Mbit/s
95th percentile per-packet one-way delay: 50.878 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 187.18 Mbit/s
95th percentile per-packet one-way delay: 50.806 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 171.35 Mbit/s
95th percentile per-packet one-way delay: 50.918 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 137.32 Mbit/s
95th percentile per-packet one-way delay: 50.998 ms
Loss rate: 1.14%
```

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

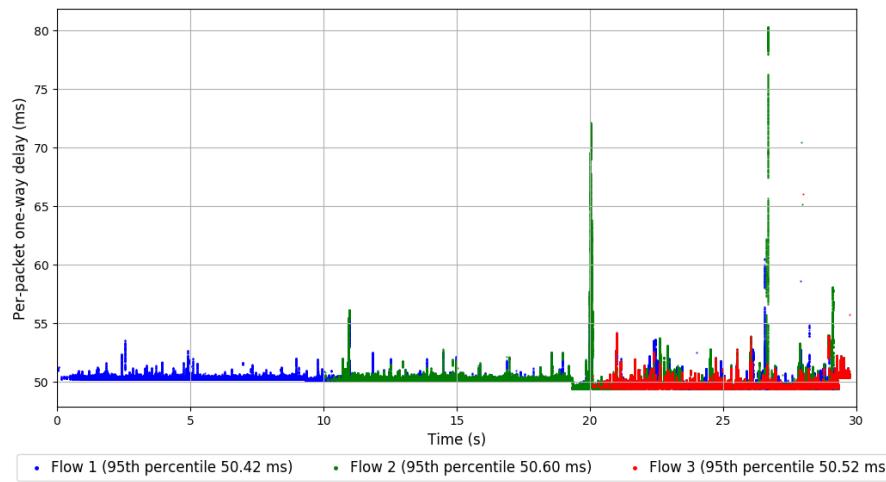
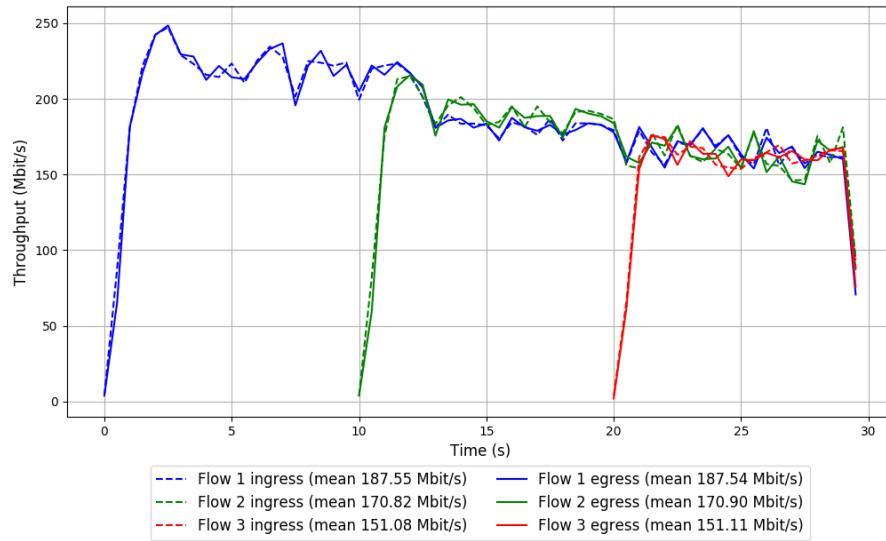


```
Run 5: Statistics of Indigo-1-128

Start at: 2018-01-26 17:12:23
End at: 2018-01-26 17:12:53

# Below is generated by plot.py at 2018-01-26 22:25:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 349.72 Mbit/s
95th percentile per-packet one-way delay: 50.477 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 187.54 Mbit/s
95th percentile per-packet one-way delay: 50.419 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 170.90 Mbit/s
95th percentile per-packet one-way delay: 50.603 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 151.11 Mbit/s
95th percentile per-packet one-way delay: 50.520 ms
Loss rate: 0.97%
```

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

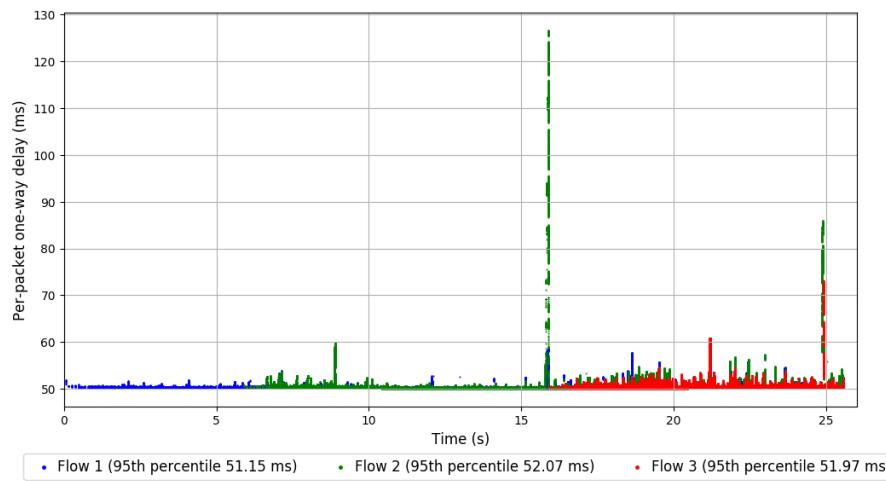
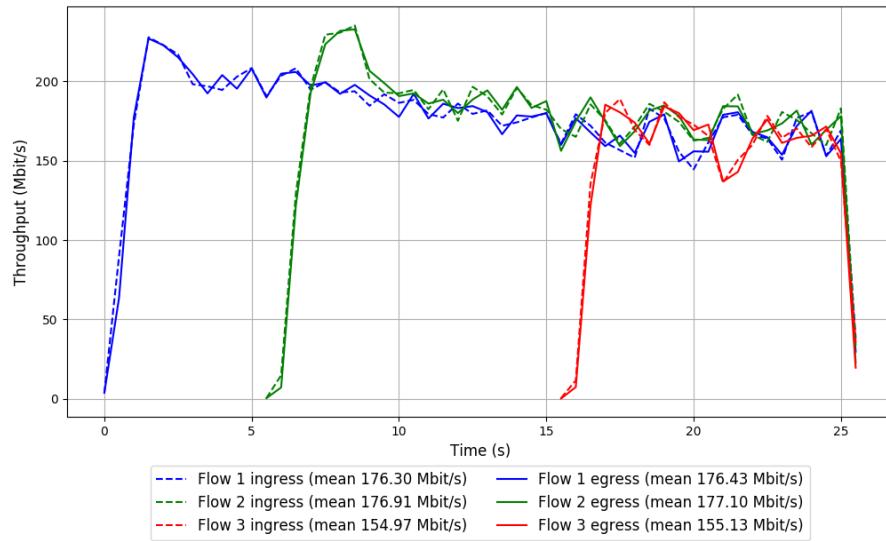


```
Run 6: Statistics of Indigo-1-128

Start at: 2018-01-26 17:26:58
End at: 2018-01-26 17:27:28

# Below is generated by plot.py at 2018-01-26 22:25:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 371.59 Mbit/s
95th percentile per-packet one-way delay: 51.666 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 176.43 Mbit/s
95th percentile per-packet one-way delay: 51.154 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 177.10 Mbit/s
95th percentile per-packet one-way delay: 52.071 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 155.13 Mbit/s
95th percentile per-packet one-way delay: 51.972 ms
Loss rate: 0.95%
```

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

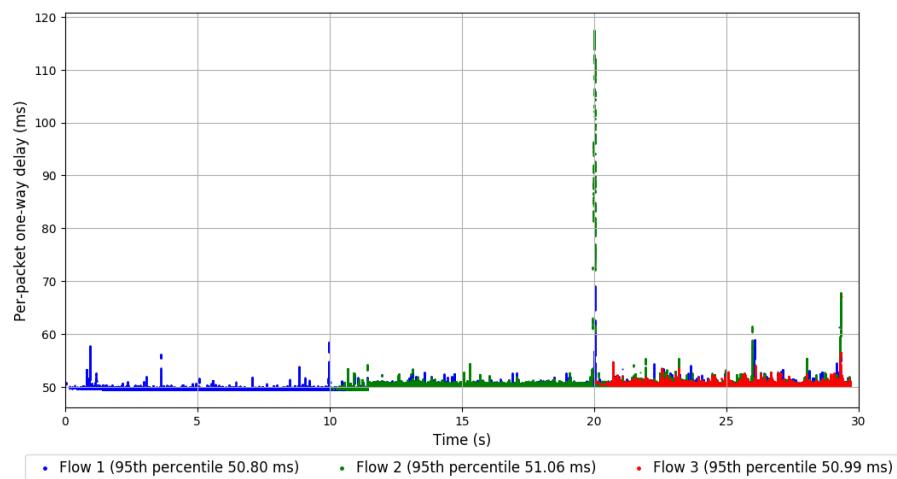
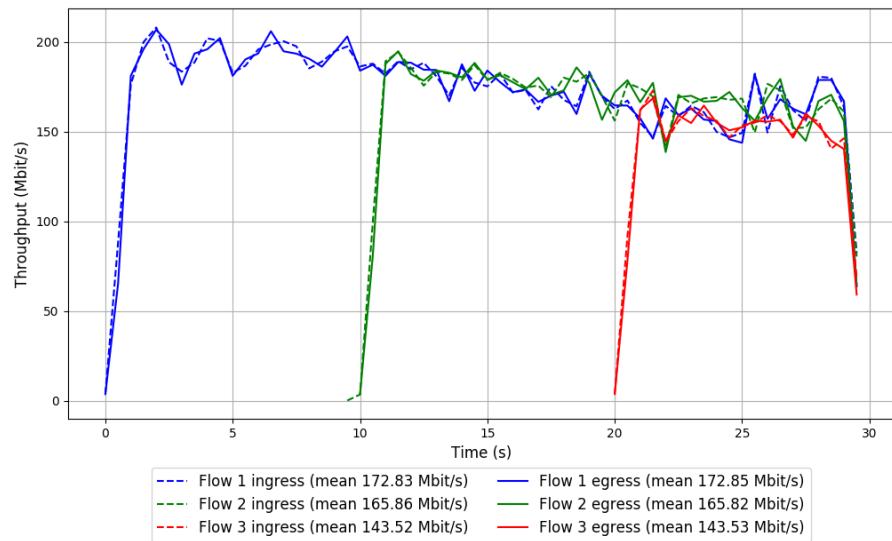


```
Run 7: Statistics of Indigo-1-128

Start at: 2018-01-26 17:41:11
End at: 2018-01-26 17:41:41

# Below is generated by plot.py at 2018-01-26 22:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 329.46 Mbit/s
95th percentile per-packet one-way delay: 50.921 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 172.85 Mbit/s
95th percentile per-packet one-way delay: 50.805 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 165.82 Mbit/s
95th percentile per-packet one-way delay: 51.060 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 143.53 Mbit/s
95th percentile per-packet one-way delay: 50.987 ms
Loss rate: 1.03%
```

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



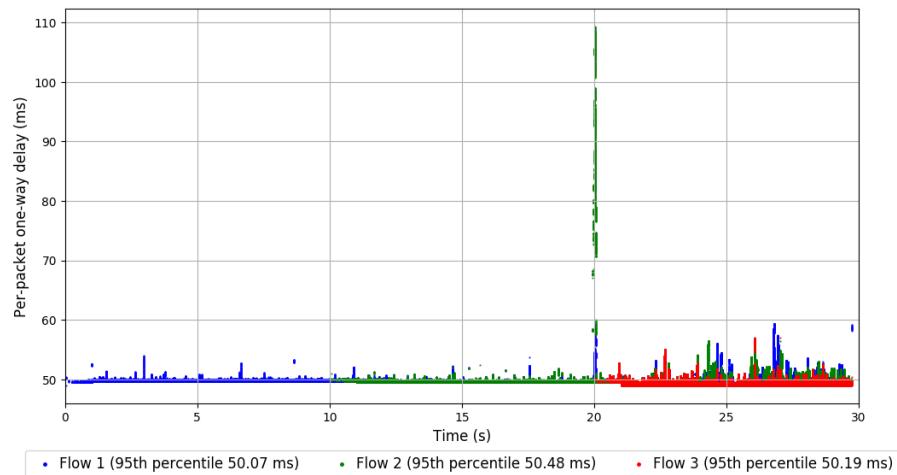
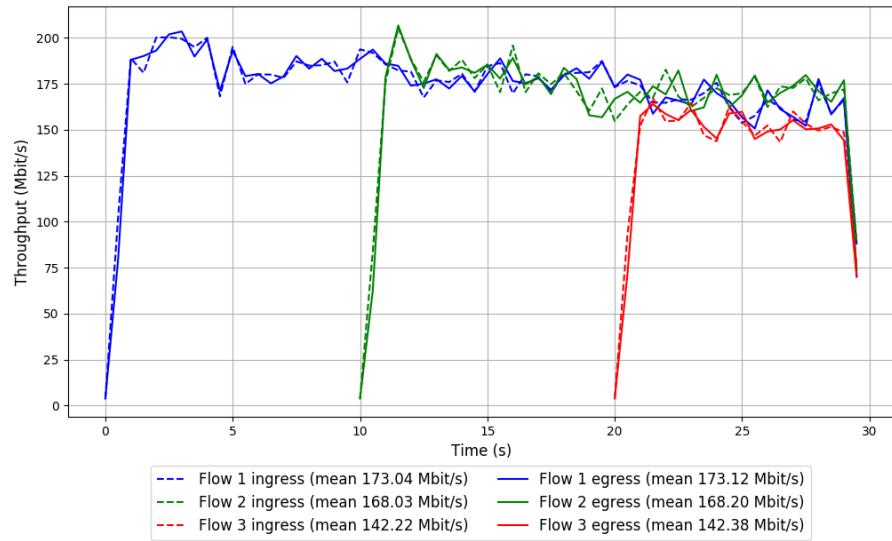
Run 8: Statistics of Indigo-1-128

Start at: 2018-01-26 17:55:31

End at: 2018-01-26 17:56:01

```
# Below is generated by plot.py at 2018-01-26 22:25:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 330.99 Mbit/s
95th percentile per-packet one-way delay: 50.237 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 173.12 Mbit/s
95th percentile per-packet one-way delay: 50.068 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 168.20 Mbit/s
95th percentile per-packet one-way delay: 50.480 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 142.38 Mbit/s
95th percentile per-packet one-way delay: 50.192 ms
Loss rate: 0.91%
```

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

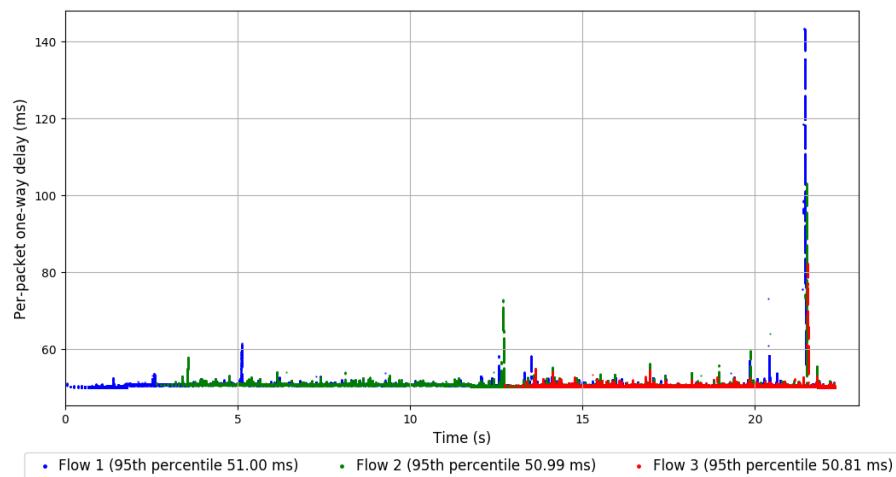
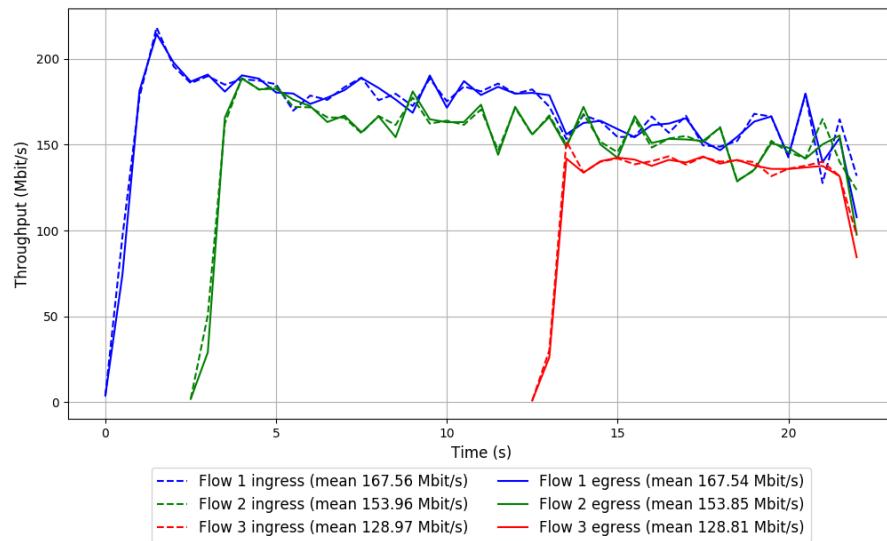


Run 9: Statistics of Indigo-1-128

Start at: 2018-01-26 18:10:03

End at: 2018-01-26 18:10:33

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



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-26 18:24:27

End at: 2018-01-26 18:24:57

```
# Below is generated by plot.py at 2018-01-26 22:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 322.23 Mbit/s
95th percentile per-packet one-way delay: 51.345 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 170.89 Mbit/s
95th percentile per-packet one-way delay: 51.077 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 156.66 Mbit/s
95th percentile per-packet one-way delay: 51.608 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 146.26 Mbit/s
95th percentile per-packet one-way delay: 51.546 ms
Loss rate: 1.05%
```

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

