

Pantheon Report

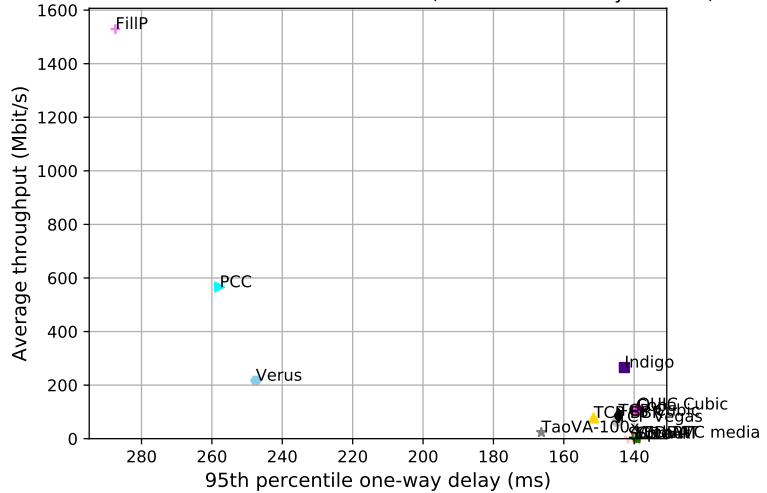
Generated at 2018-01-03 14:07:23 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE London Ethernet (*remote*).
Repeated the test of 14 congestion control schemes 10 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

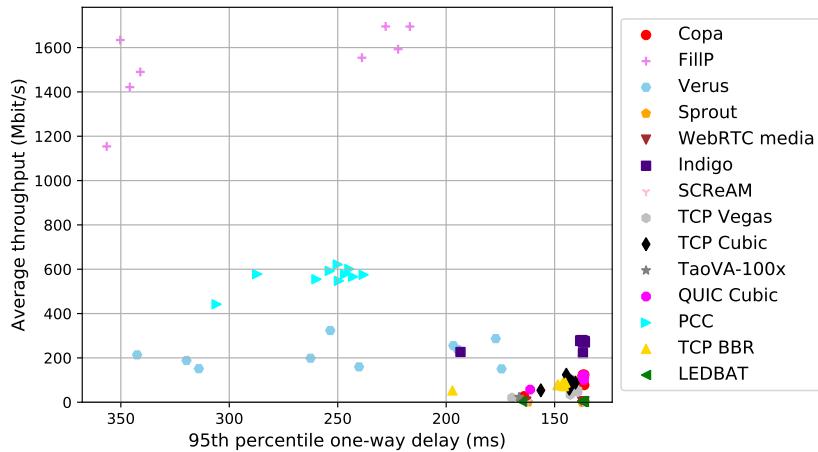
Git summary:

```
branch: master @ 904a5750834816b1e46a2c86405d707788d27c16
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ dcaeef6b00654e660f73f7ed679d2eab61ce08639
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|--------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 10 | 37.63 | 37.42 | 45.94 | 150.26 | 151.54 | 153.62 | 1.02 | 0.76 | 0.48 |
| TCP Cubic | | 39.20 | 44.50 | 52.75 | 142.73 | 141.90 | 146.96 | 0.20 | 0.38 | 0.16 |
| LEDBAT | | 2.01 | 1.30 | 0.81 | 139.89 | 137.26 | 137.24 | 0.45 | 0.90 | 0.68 |
| PCC | | 446.22 | 144.94 | 69.96 | 259.79 | 254.25 | 246.27 | 4.15 | 3.40 | 2.93 |
| QUIC Cubic | | 56.78 | 57.59 | 44.30 | 136.58 | 136.34 | 138.77 | 0.00 | 0.00 | 0.00 |
| SCReAM | | 0.22 | 0.22 | 0.22 | 141.13 | 141.44 | 141.54 | 0.00 | 0.00 | 0.06 |
| WebRTC media | | 2.04 | 1.33 | 0.43 | 139.05 | 139.30 | 136.93 | 0.00 | 0.00 | 0.07 |
| Sprout | | 0.41 | 0.43 | 0.46 | 139.19 | 139.24 | 139.32 | 0.00 | 0.00 | 0.09 |
| TaoVA-100x | | 11.56 | 7.93 | 23.81 | 169.75 | 169.19 | 162.00 | 3.45 | 0.08 | 0.00 |
| TCP Vegas | | 24.50 | 39.05 | 39.19 | 142.18 | 144.77 | 145.92 | 0.88 | 0.50 | 0.00 |
| Verus | | 157.99 | 62.17 | 56.13 | 223.83 | 234.08 | 210.53 | 3.25 | 1.12 | 1.29 |
| Copa | | 60.26 | 55.20 | 30.65 | 136.42 | 139.47 | 136.55 | 0.01 | 0.00 | 0.00 |
| FillP | | 781.44 | 764.66 | 683.73 | 256.68 | 289.04 | 269.29 | 6.31 | 9.29 | 10.41 |
| Indigo | | 141.71 | 133.58 | 111.61 | 142.23 | 142.37 | 146.21 | 0.17 | 0.01 | 0.02 |

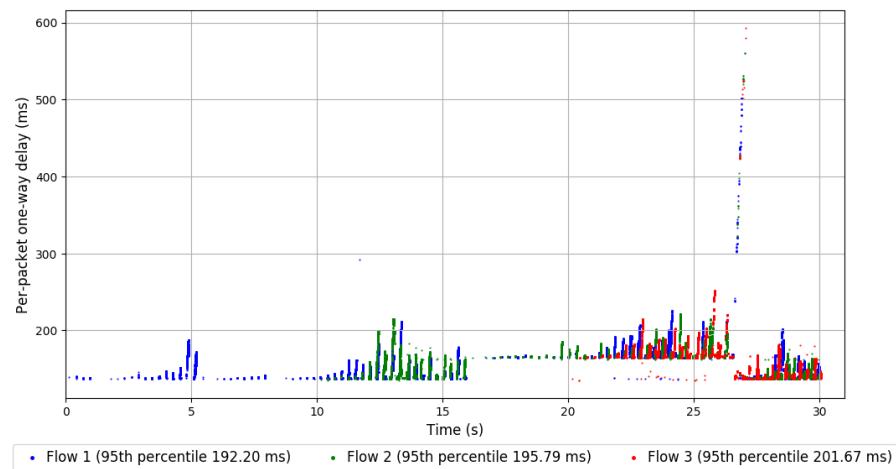
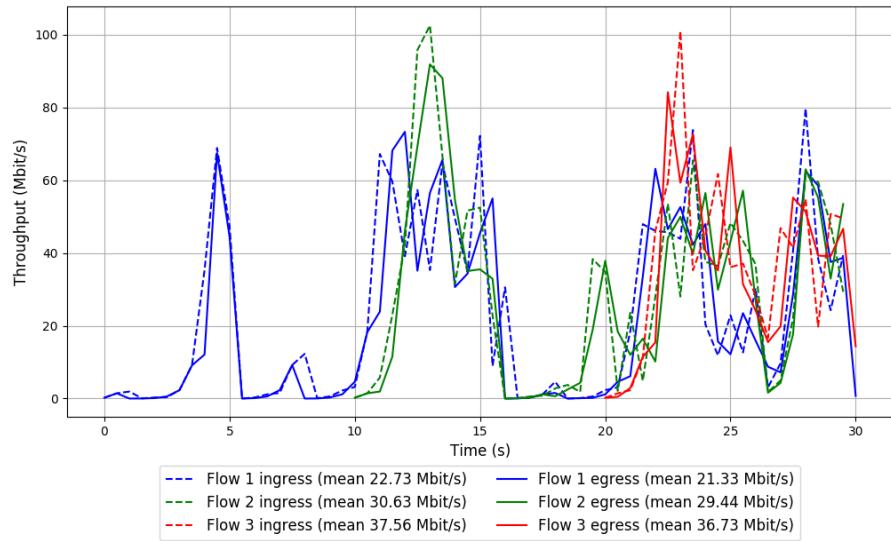
Run 1: Statistics of TCP BBR

Start at: 2018-01-03 09:20:48

End at: 2018-01-03 09:21:18

```
# Below is generated by plot.py at 2018-01-03 12:58:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.94 Mbit/s
95th percentile per-packet one-way delay: 197.123 ms
Loss rate: 4.41%
-- Flow 1:
Average throughput: 21.33 Mbit/s
95th percentile per-packet one-way delay: 192.199 ms
Loss rate: 6.14%
-- Flow 2:
Average throughput: 29.44 Mbit/s
95th percentile per-packet one-way delay: 195.792 ms
Loss rate: 3.87%
-- Flow 3:
Average throughput: 36.73 Mbit/s
95th percentile per-packet one-way delay: 201.666 ms
Loss rate: 2.15%
```

Run 1: Report of TCP BBR — Data Link



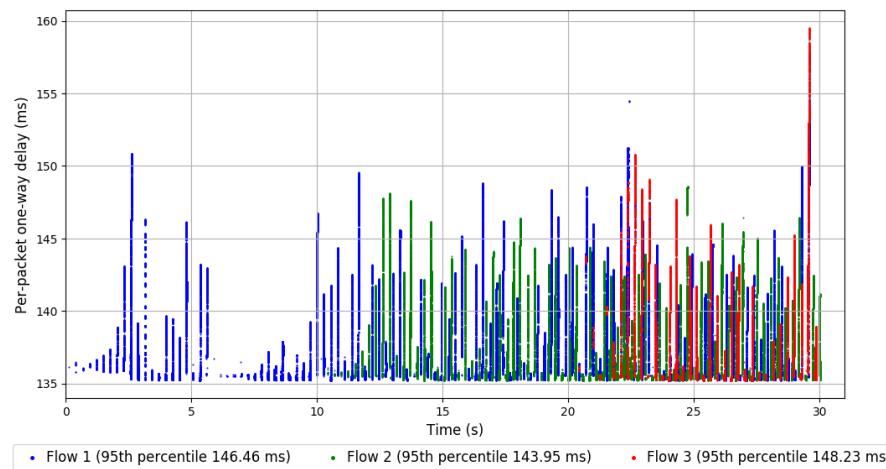
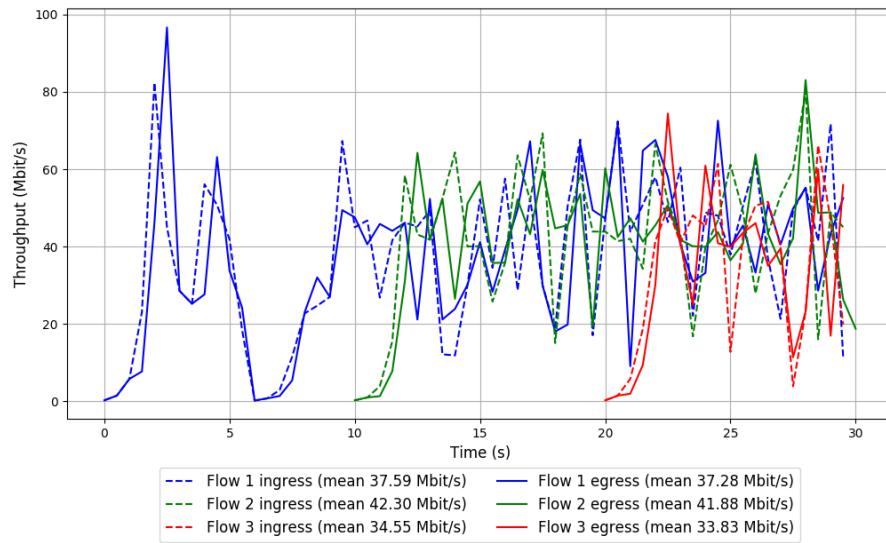
Run 2: Statistics of TCP BBR

Start at: 2018-01-03 09:36:22

End at: 2018-01-03 09:36:52

```
# Below is generated by plot.py at 2018-01-03 12:59:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.91 Mbit/s
95th percentile per-packet one-way delay: 145.971 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 146.457 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 41.88 Mbit/s
95th percentile per-packet one-way delay: 143.950 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 33.83 Mbit/s
95th percentile per-packet one-way delay: 148.234 ms
Loss rate: 2.12%
```

Run 2: Report of TCP BBR — Data Link



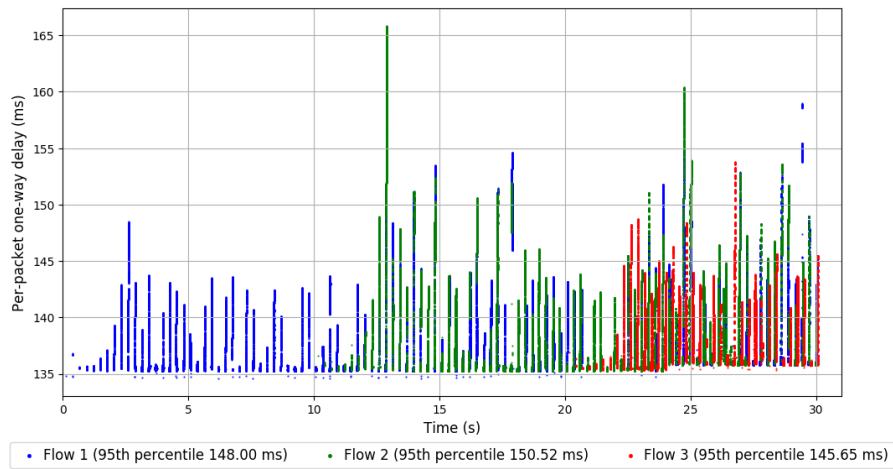
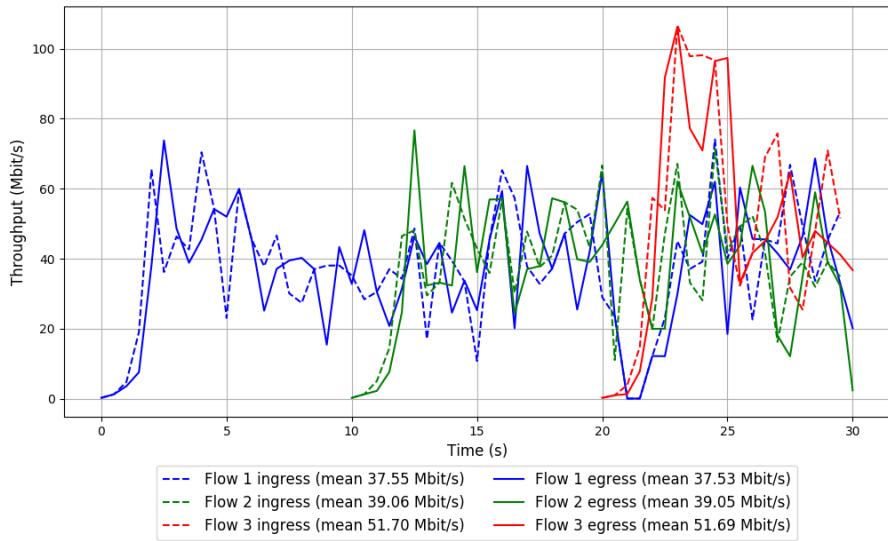
Run 3: Statistics of TCP BBR

Start at: 2018-01-03 09:52:21

End at: 2018-01-03 09:52:51

```
# Below is generated by plot.py at 2018-01-03 12:59:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.48 Mbit/s
95th percentile per-packet one-way delay: 148.480 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 37.53 Mbit/s
95th percentile per-packet one-way delay: 147.995 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.05 Mbit/s
95th percentile per-packet one-way delay: 150.516 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 51.69 Mbit/s
95th percentile per-packet one-way delay: 145.647 ms
Loss rate: 0.01%
```

Run 3: Report of TCP BBR — Data Link



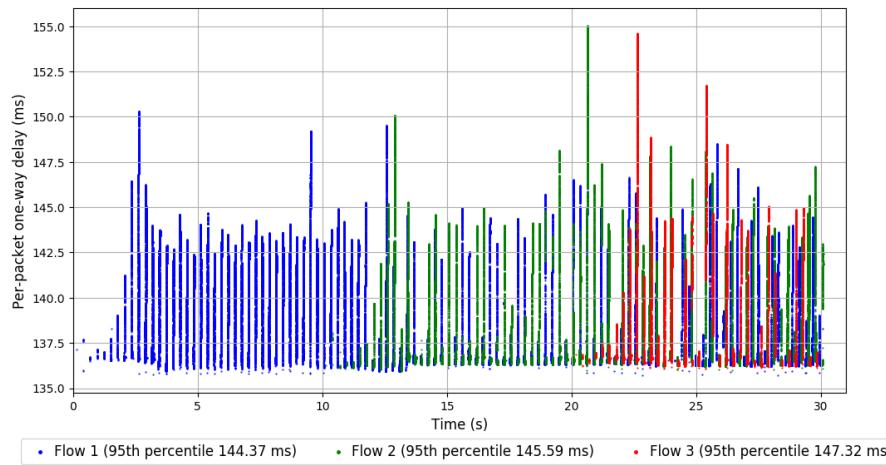
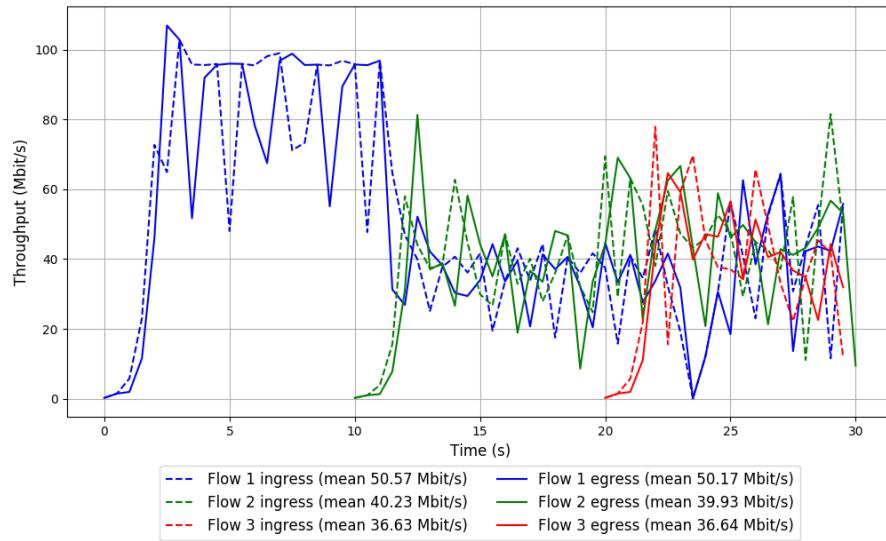
Run 4: Statistics of TCP BBR

Start at: 2018-01-03 10:08:22

End at: 2018-01-03 10:08:52

```
# Below is generated by plot.py at 2018-01-03 12:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 145.013 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 144.370 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 39.93 Mbit/s
95th percentile per-packet one-way delay: 145.589 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 36.64 Mbit/s
95th percentile per-packet one-way delay: 147.323 ms
Loss rate: 0.00%
```

Run 4: Report of TCP BBR — Data Link



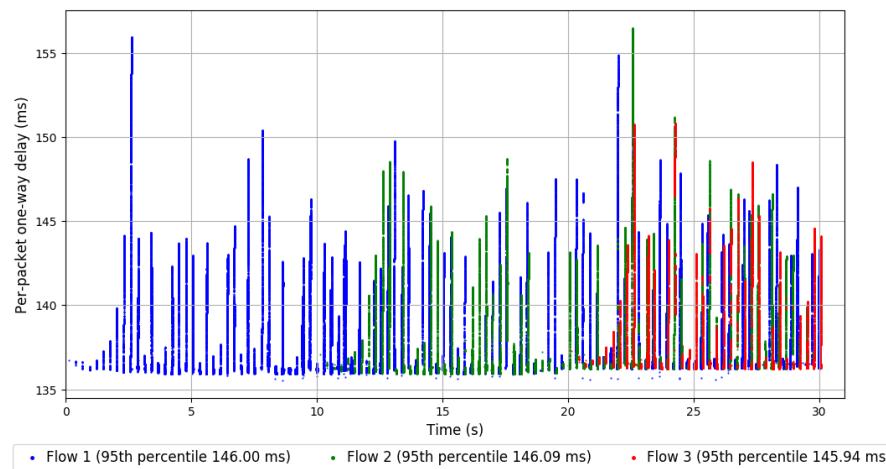
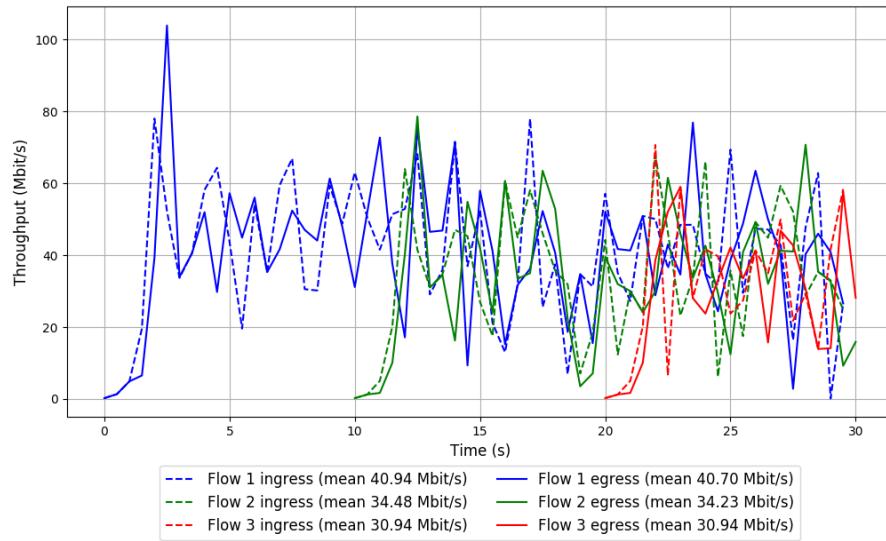
Run 5: Statistics of TCP BBR

Start at: 2018-01-03 10:23:45

End at: 2018-01-03 10:24:15

```
# Below is generated by plot.py at 2018-01-03 12:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.60 Mbit/s
95th percentile per-packet one-way delay: 146.008 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: 145.996 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 34.23 Mbit/s
95th percentile per-packet one-way delay: 146.089 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 30.94 Mbit/s
95th percentile per-packet one-way delay: 145.944 ms
Loss rate: 0.00%
```

Run 5: Report of TCP BBR — Data Link



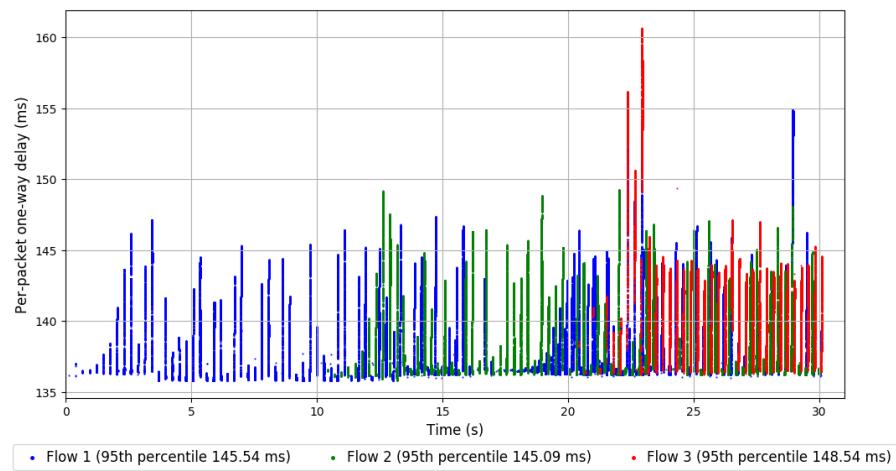
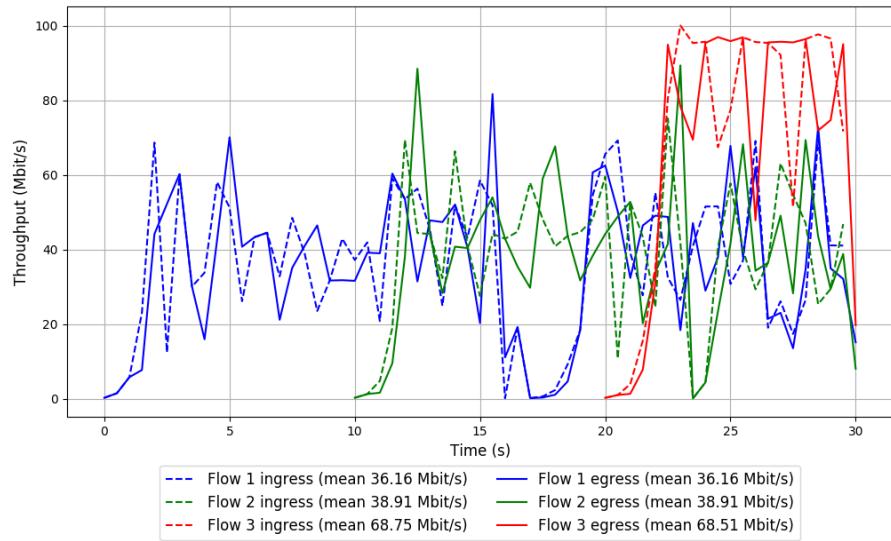
Run 6: Statistics of TCP BBR

Start at: 2018-01-03 10:39:52

End at: 2018-01-03 10:40:22

```
# Below is generated by plot.py at 2018-01-03 12:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 145.783 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 36.16 Mbit/s
95th percentile per-packet one-way delay: 145.544 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 145.091 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 148.537 ms
Loss rate: 0.33%
```

Run 6: Report of TCP BBR — Data Link



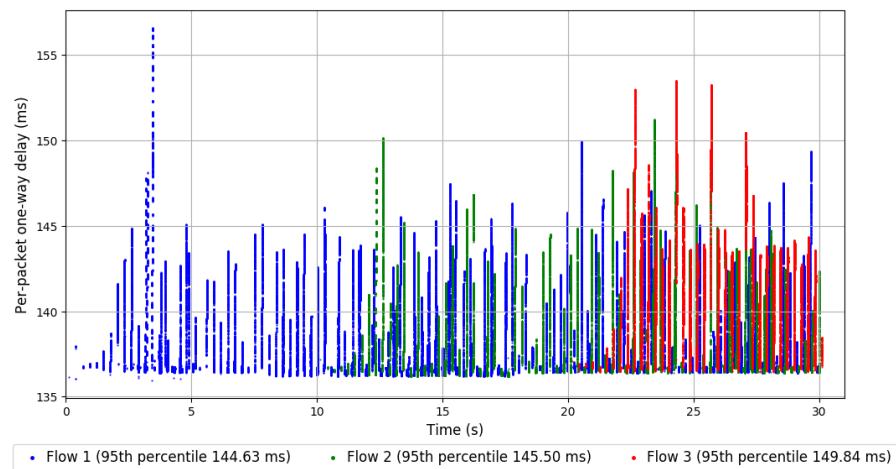
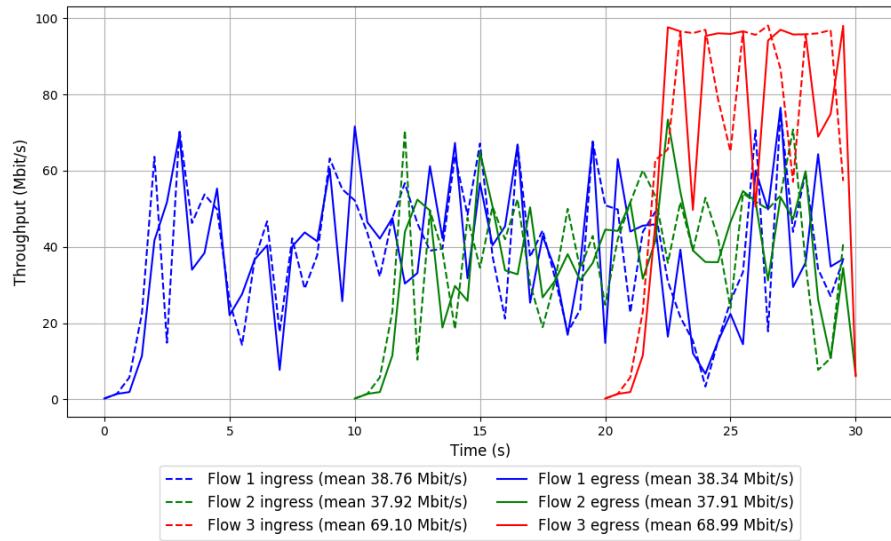
Run 7: Statistics of TCP BBR

Start at: 2018-01-03 10:56:07

End at: 2018-01-03 10:56:37

```
# Below is generated by plot.py at 2018-01-03 12:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.13 Mbit/s
95th percentile per-packet one-way delay: 146.394 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 144.633 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 145.501 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.99 Mbit/s
95th percentile per-packet one-way delay: 149.835 ms
Loss rate: 0.17%
```

Run 7: Report of TCP BBR — Data Link



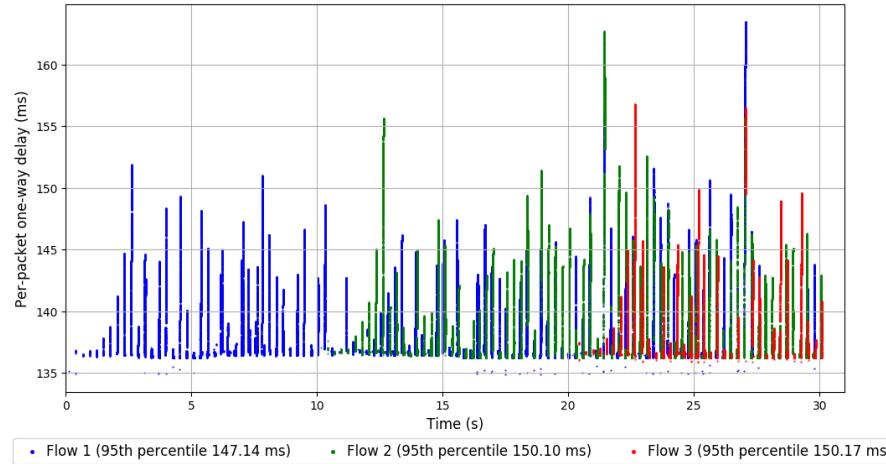
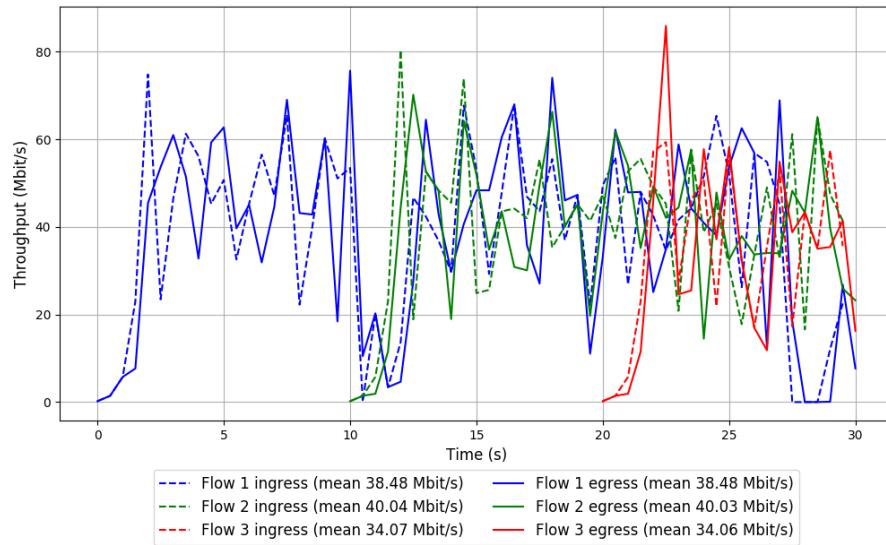
Run 8: Statistics of TCP BBR

Start at: 2018-01-03 11:12:09

End at: 2018-01-03 11:12:39

```
# Below is generated by plot.py at 2018-01-03 12:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.36 Mbit/s
95th percentile per-packet one-way delay: 148.683 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.48 Mbit/s
95th percentile per-packet one-way delay: 147.143 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.03 Mbit/s
95th percentile per-packet one-way delay: 150.100 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 150.166 ms
Loss rate: 0.00%
```

Run 8: Report of TCP BBR — Data Link



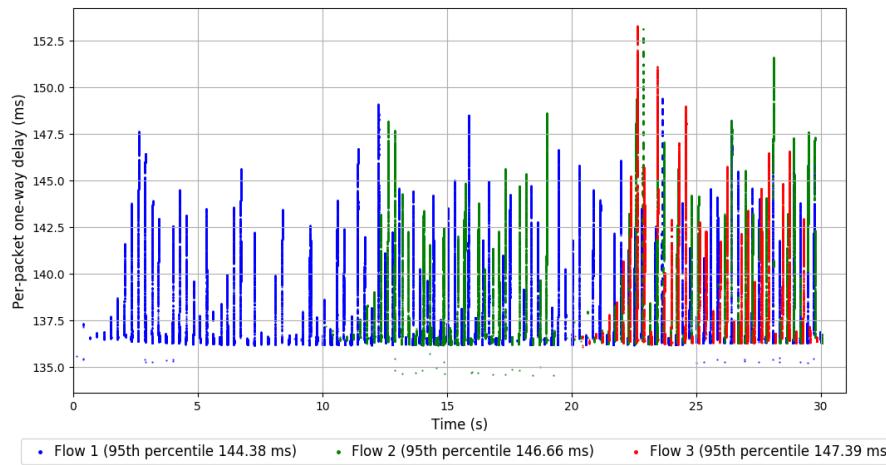
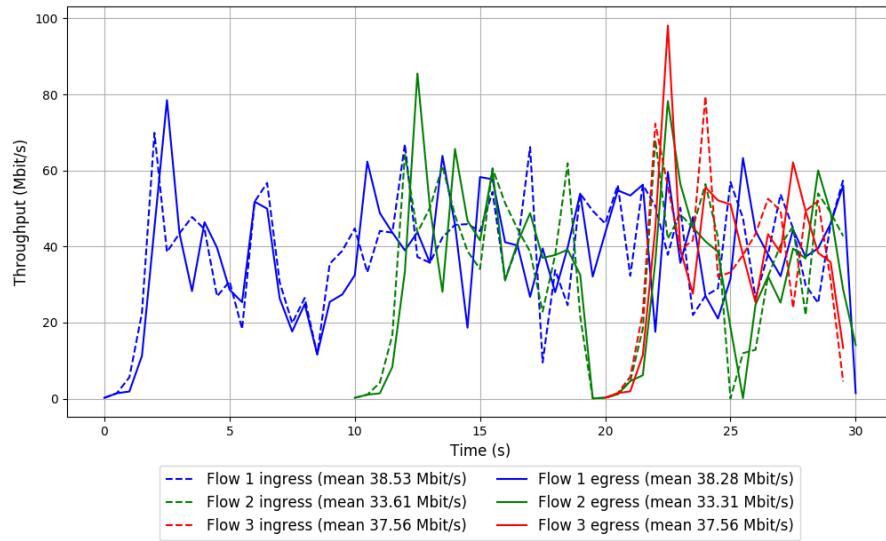
Run 9: Statistics of TCP BBR

Start at: 2018-01-03 11:27:40

End at: 2018-01-03 11:28:11

```
# Below is generated by plot.py at 2018-01-03 13:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.52 Mbit/s
95th percentile per-packet one-way delay: 145.773 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 38.28 Mbit/s
95th percentile per-packet one-way delay: 144.385 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 33.31 Mbit/s
95th percentile per-packet one-way delay: 146.655 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 147.393 ms
Loss rate: 0.00%
```

Run 9: Report of TCP BBR — Data Link



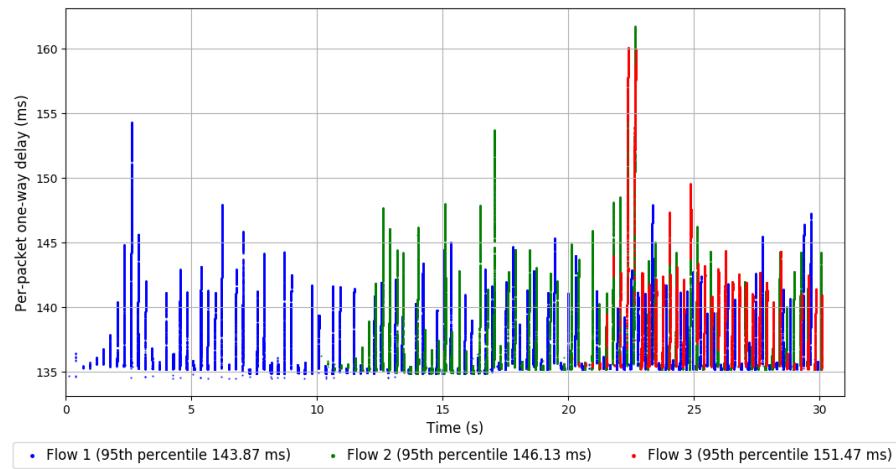
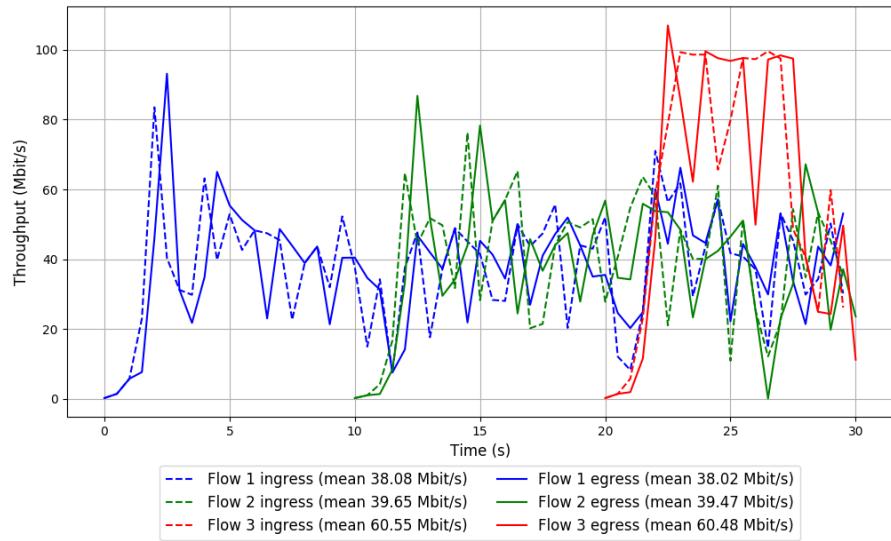
Run 10: Statistics of TCP BBR

Start at: 2018-01-03 11:43:48

End at: 2018-01-03 11:44:18

```
# Below is generated by plot.py at 2018-01-03 13:00:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 145.959 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 143.870 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.47 Mbit/s
95th percentile per-packet one-way delay: 146.132 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 60.48 Mbit/s
95th percentile per-packet one-way delay: 151.469 ms
Loss rate: 0.07%
```

Run 10: Report of TCP BBR — Data Link

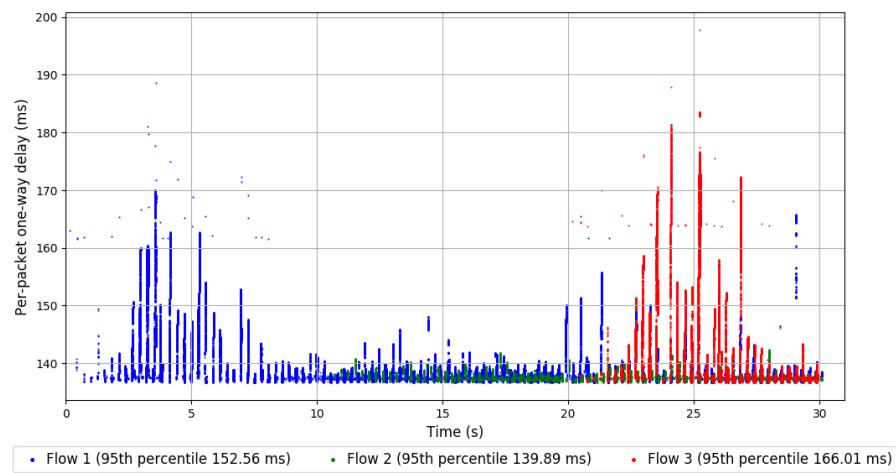
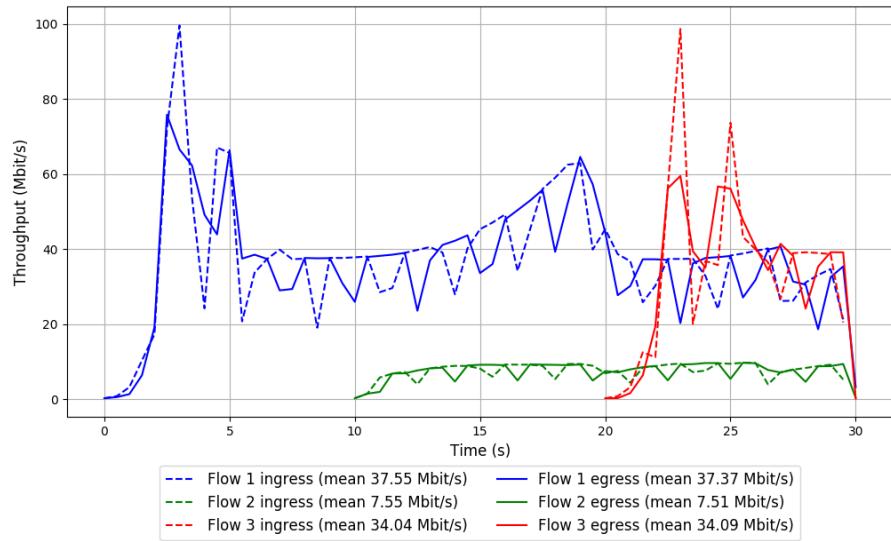


```
Run 1: Statistics of TCP Cubic

Start at: 2018-01-03 09:15:57
End at: 2018-01-03 09:16:27

# Below is generated by plot.py at 2018-01-03 13:00:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.58 Mbit/s
95th percentile per-packet one-way delay: 156.352 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 37.37 Mbit/s
95th percentile per-packet one-way delay: 152.556 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 139.886 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 166.015 ms
Loss rate: 0.13%
```

Run 1: Report of TCP Cubic — Data Link



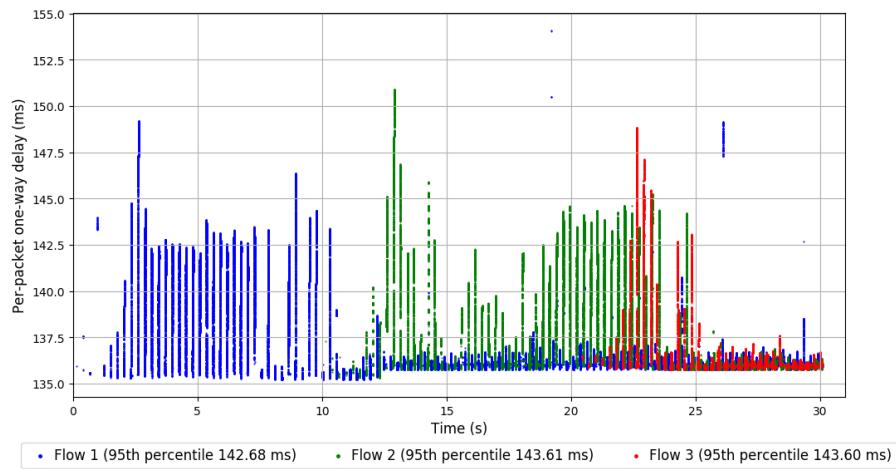
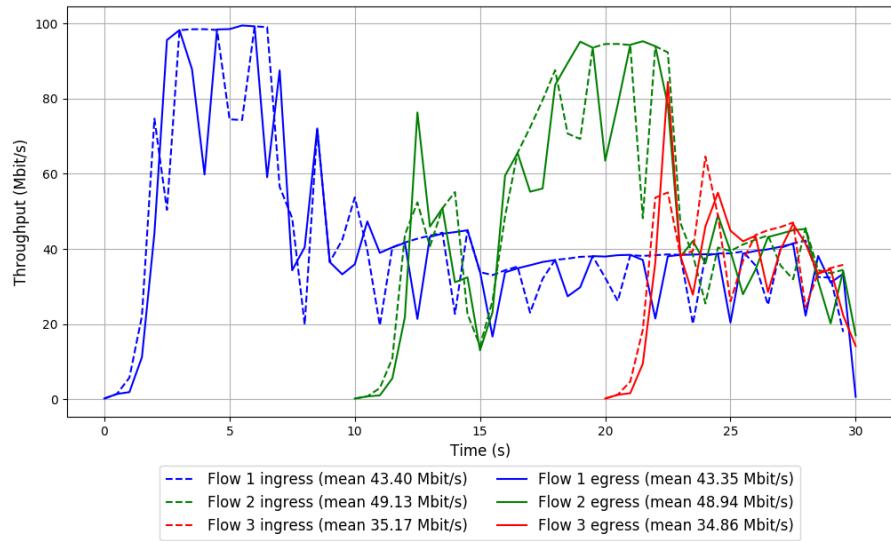
Run 2: Statistics of TCP Cubic

Start at: 2018-01-03 09:31:23

End at: 2018-01-03 09:31:53

```
# Below is generated by plot.py at 2018-01-03 13:00:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 143.223 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 43.35 Mbit/s
95th percentile per-packet one-way delay: 142.681 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.94 Mbit/s
95th percentile per-packet one-way delay: 143.609 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 143.603 ms
Loss rate: 0.88%
```

Run 2: Report of TCP Cubic — Data Link



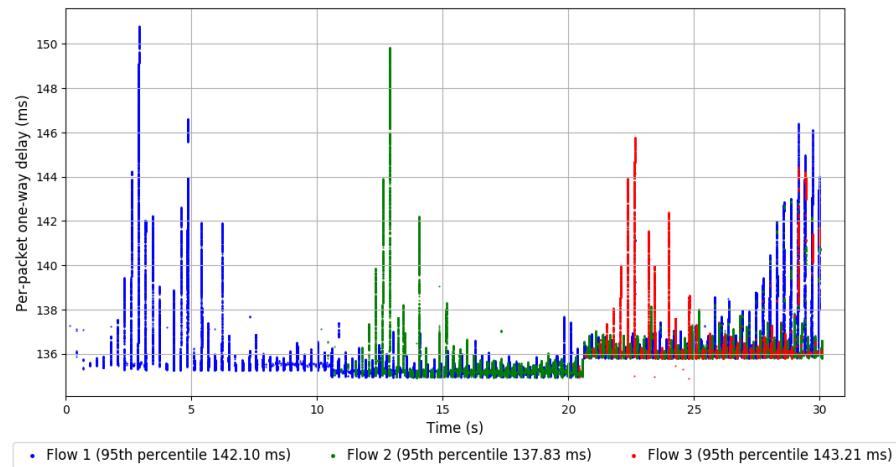
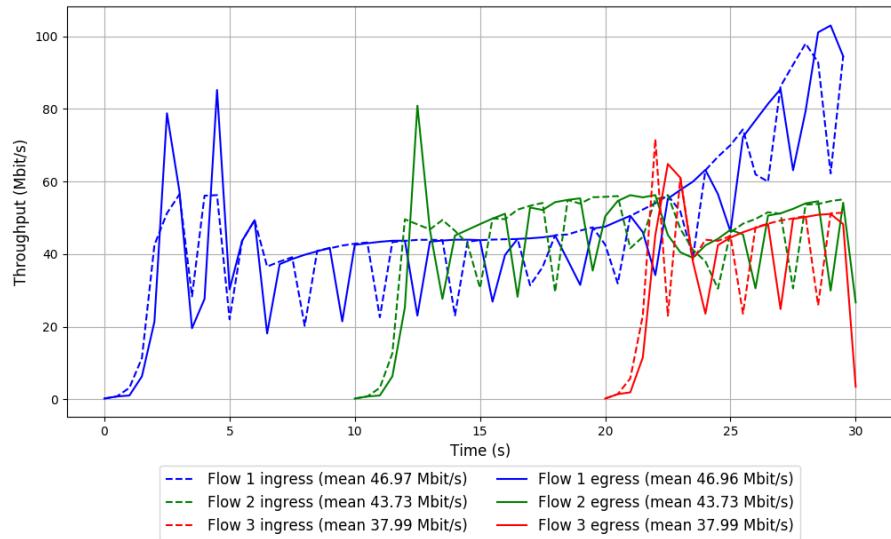
```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2018-01-03 09:47:14
```

```
End at: 2018-01-03 09:47:44
```

```
# Below is generated by plot.py at 2018-01-03 13:00:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.50 Mbit/s
95th percentile per-packet one-way delay: 141.697 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.96 Mbit/s
95th percentile per-packet one-way delay: 142.097 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.73 Mbit/s
95th percentile per-packet one-way delay: 137.828 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 143.207 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Cubic — Data Link



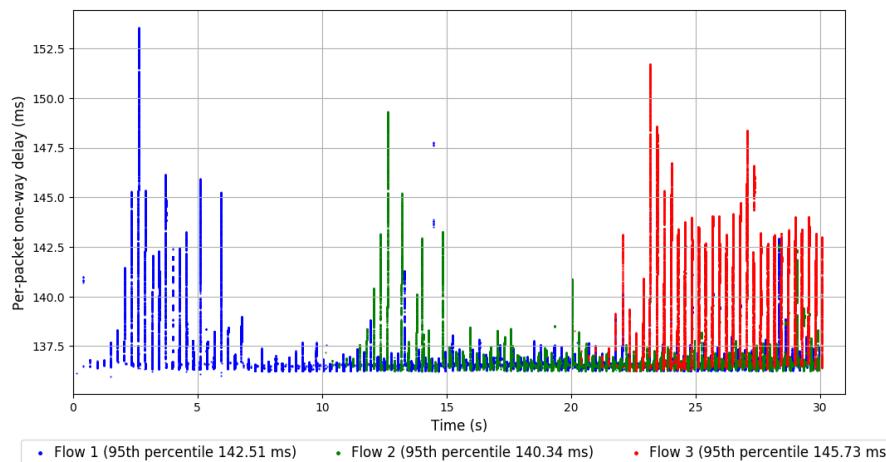
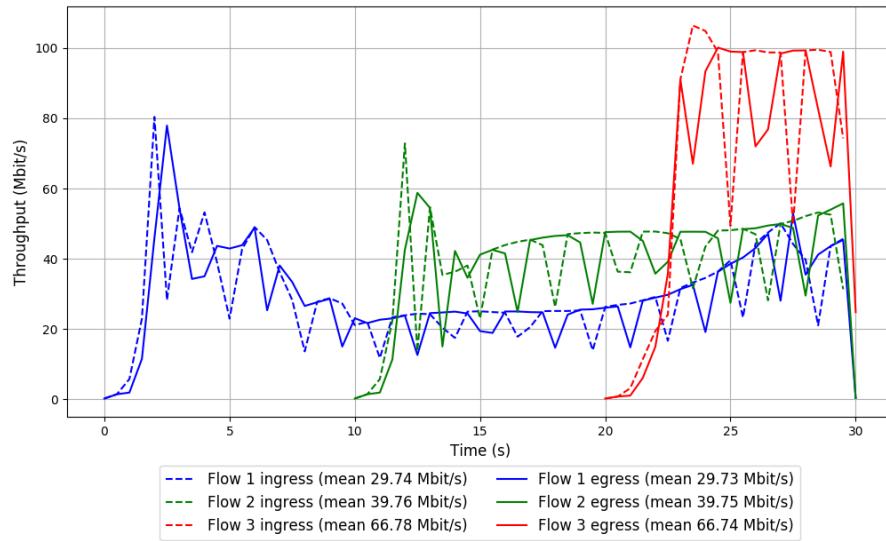
```
Run 4: Statistics of TCP Cubic
```

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

```
End at: 2018-01-03 10:03:48
```

```
# Below is generated by plot.py at 2018-01-03 13:00:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.33 Mbit/s
95th percentile per-packet one-way delay: 143.826 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 29.73 Mbit/s
95th percentile per-packet one-way delay: 142.509 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 140.340 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.74 Mbit/s
95th percentile per-packet one-way delay: 145.726 ms
Loss rate: 0.02%
```

Run 4: Report of TCP Cubic — Data Link



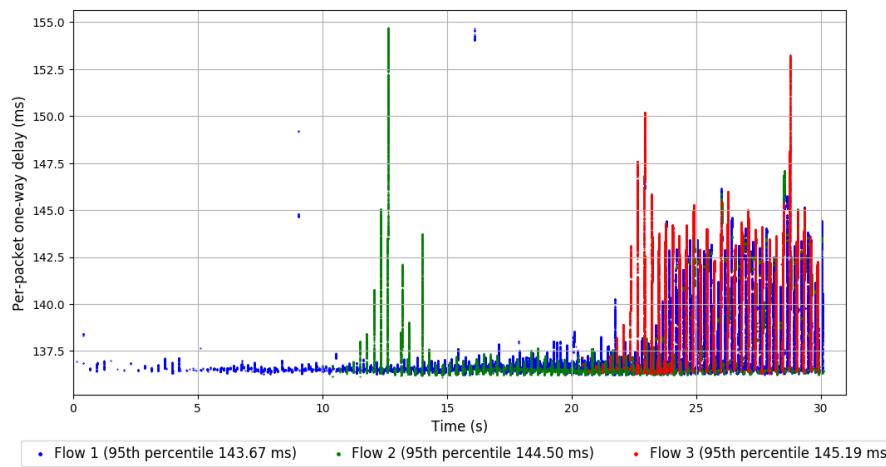
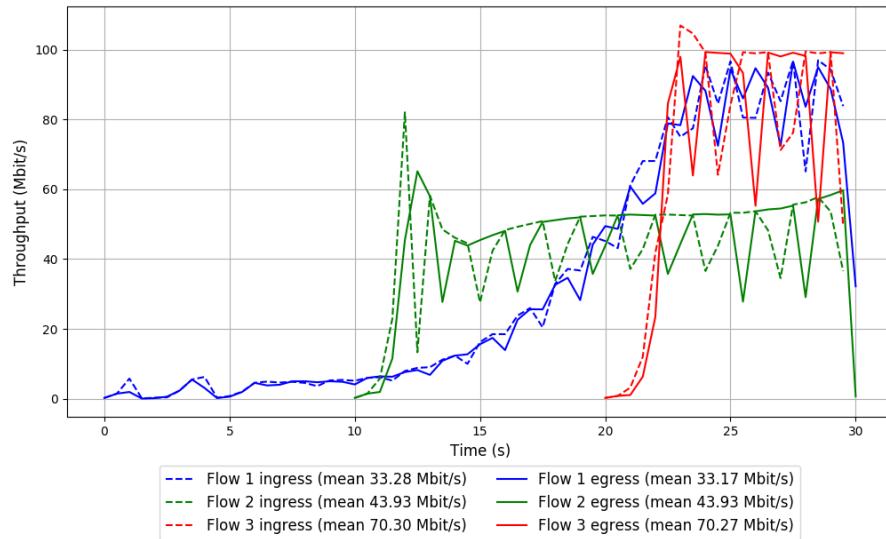
```
Run 5: Statistics of TCP Cubic
```

```
Start at: 2018-01-03 10:18:47
```

```
End at: 2018-01-03 10:19:17
```

```
# Below is generated by plot.py at 2018-01-03 13:00:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.23 Mbit/s
95th percentile per-packet one-way delay: 144.349 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 33.17 Mbit/s
95th percentile per-packet one-way delay: 143.670 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 144.502 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.27 Mbit/s
95th percentile per-packet one-way delay: 145.195 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Cubic — Data Link



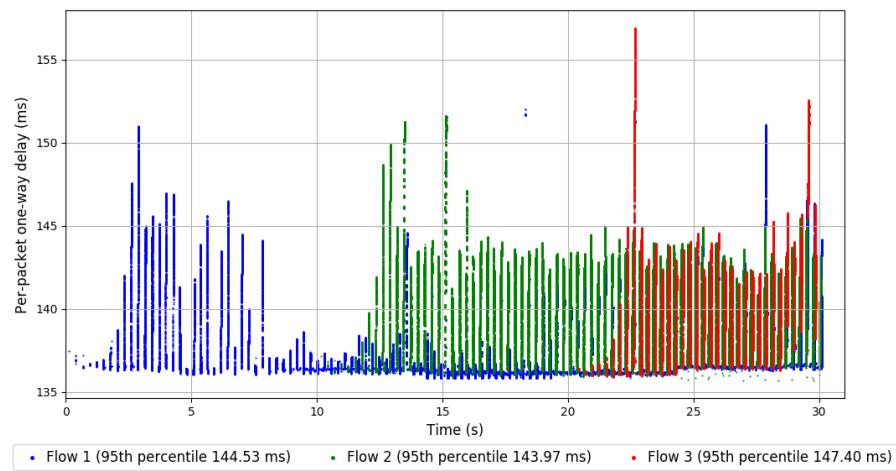
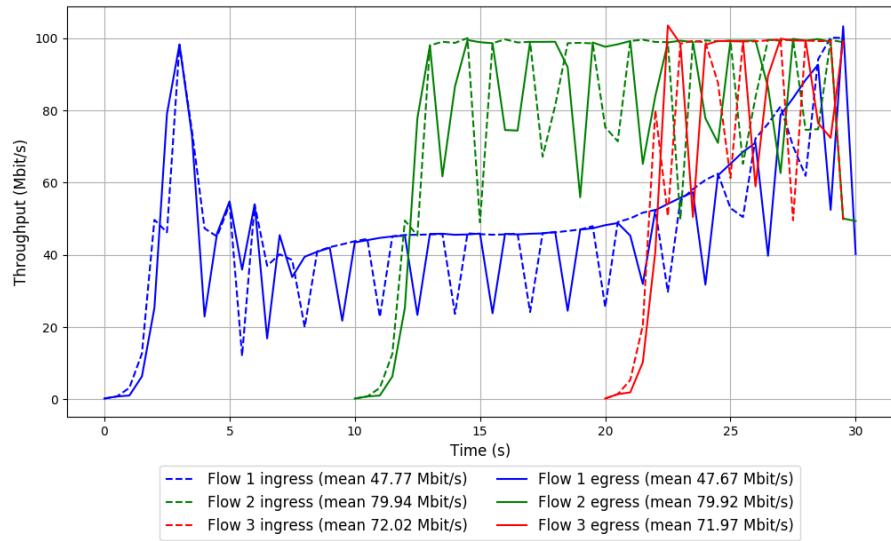
Run 6: Statistics of TCP Cubic

Start at: 2018-01-03 10:34:51

End at: 2018-01-03 10:35:21

```
# Below is generated by plot.py at 2018-01-03 13:01:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.09 Mbit/s
95th percentile per-packet one-way delay: 144.598 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 47.67 Mbit/s
95th percentile per-packet one-way delay: 144.535 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 79.92 Mbit/s
95th percentile per-packet one-way delay: 143.966 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.97 Mbit/s
95th percentile per-packet one-way delay: 147.404 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Cubic — Data Link



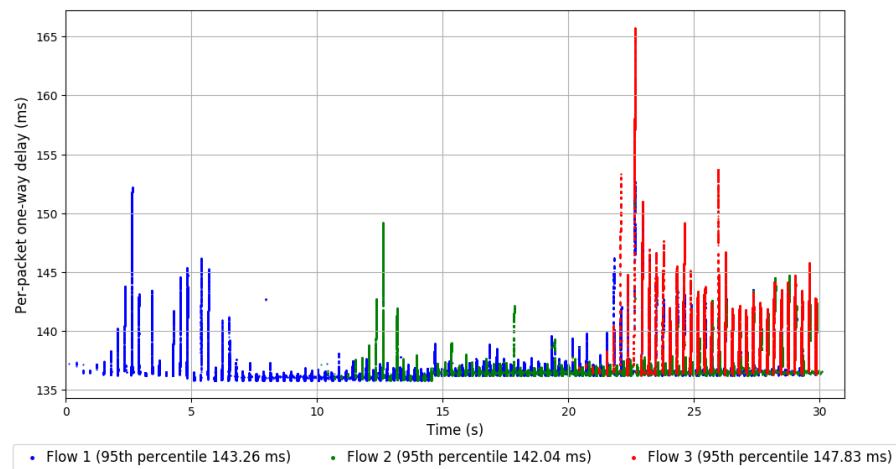
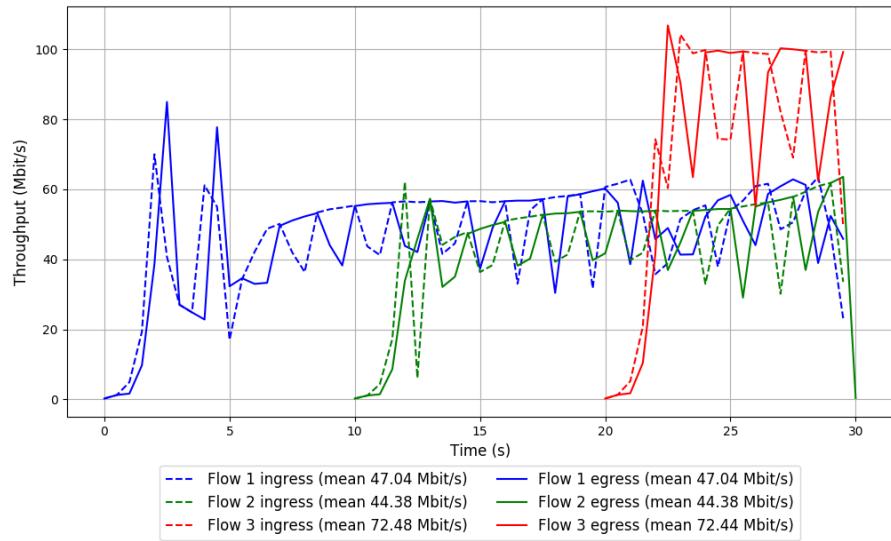
Run 7: Statistics of TCP Cubic

Start at: 2018-01-03 10:51:10

End at: 2018-01-03 10:51:40

```
# Below is generated by plot.py at 2018-01-03 13:01:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.89 Mbit/s
95th percentile per-packet one-way delay: 144.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.04 Mbit/s
95th percentile per-packet one-way delay: 143.258 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 44.38 Mbit/s
95th percentile per-packet one-way delay: 142.040 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 72.44 Mbit/s
95th percentile per-packet one-way delay: 147.833 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Cubic — Data Link



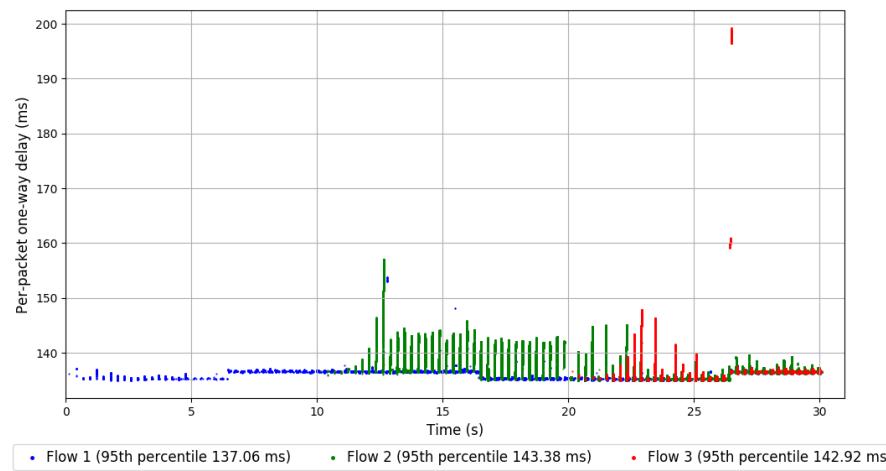
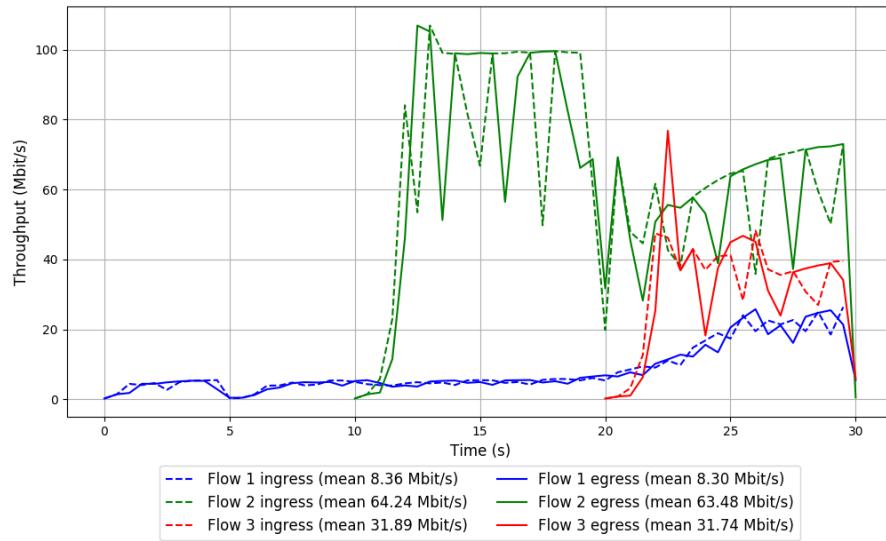
Run 8: Statistics of TCP Cubic

Start at: 2018-01-03 11:07:09

End at: 2018-01-03 11:07:39

```
# Below is generated by plot.py at 2018-01-03 13:01:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.07 Mbit/s
95th percentile per-packet one-way delay: 143.204 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 137.062 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 63.48 Mbit/s
95th percentile per-packet one-way delay: 143.381 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 142.918 ms
Loss rate: 0.48%
```

Run 8: Report of TCP Cubic — Data Link



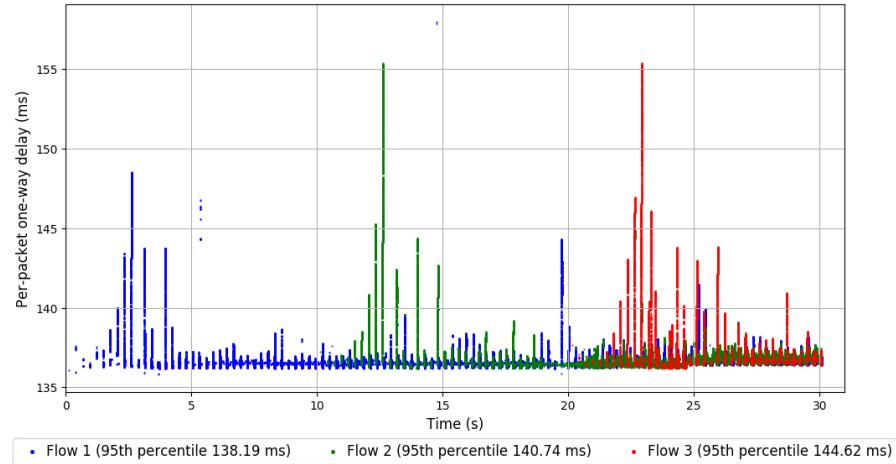
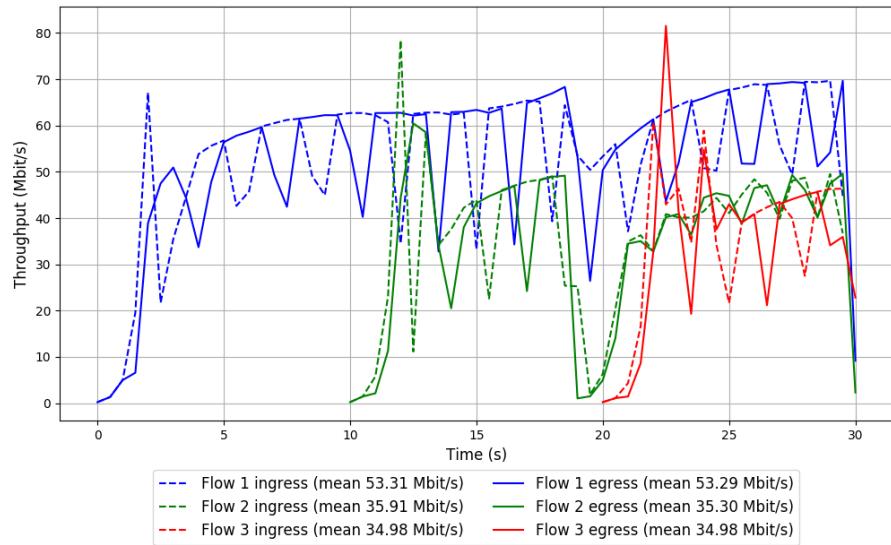
```
Run 9: Statistics of TCP Cubic
```

```
Start at: 2018-01-03 11:22:40
```

```
End at: 2018-01-03 11:23:10
```

```
# Below is generated by plot.py at 2018-01-03 13:02:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 140.386 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 53.29 Mbit/s
95th percentile per-packet one-way delay: 138.192 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 35.30 Mbit/s
95th percentile per-packet one-way delay: 140.741 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: 144.618 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Cubic — Data Link



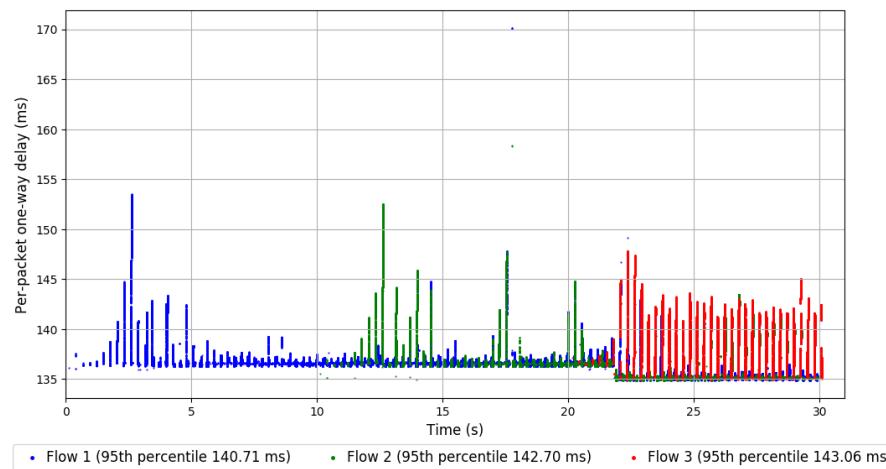
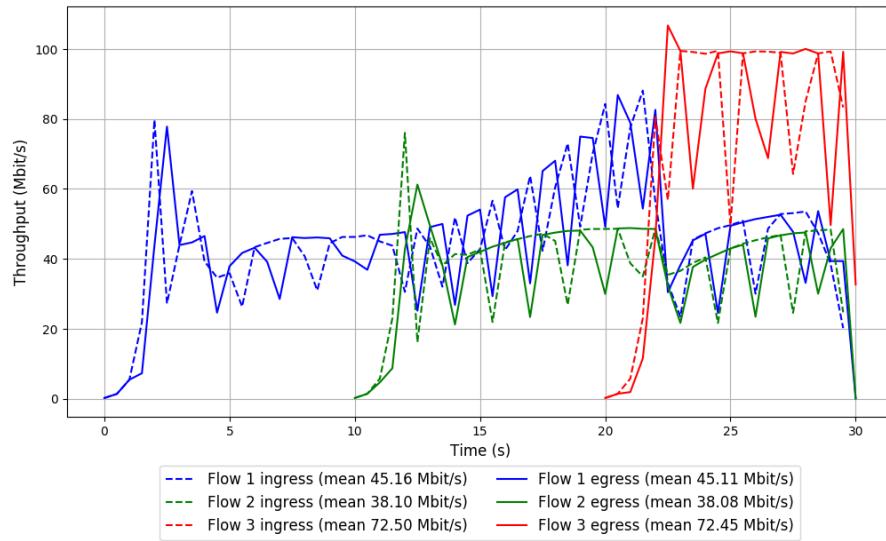
```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-01-03 11:38:43
```

```
End at: 2018-01-03 11:39:13
```

```
# Below is generated by plot.py at 2018-01-03 13:02:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 142.554 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 45.11 Mbit/s
95th percentile per-packet one-way delay: 140.710 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 38.08 Mbit/s
95th percentile per-packet one-way delay: 142.699 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 72.45 Mbit/s
95th percentile per-packet one-way delay: 143.062 ms
Loss rate: 0.07%
```

Run 10: Report of TCP Cubic — Data Link

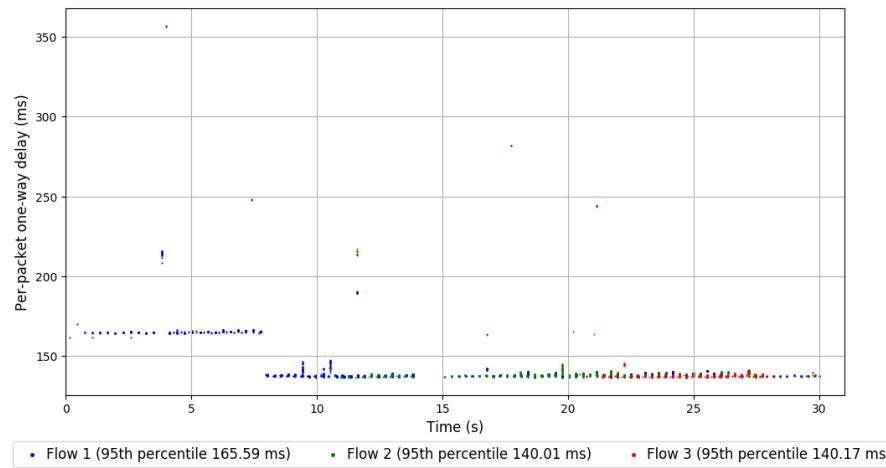
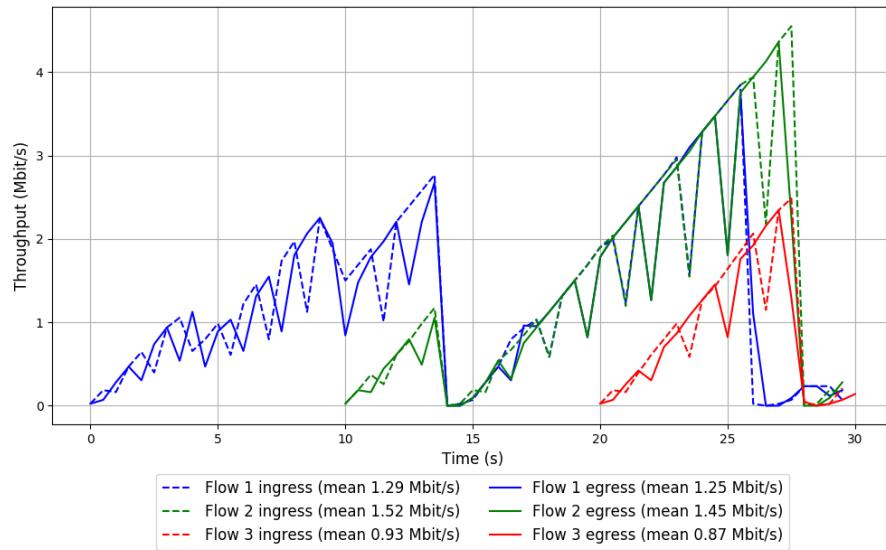


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-03 09:19:57
End at: 2018-01-03 09:20:27

# Below is generated by plot.py at 2018-01-03 13:02:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 165.011 ms
Loss rate: 4.15%
-- Flow 1:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 165.590 ms
Loss rate: 2.97%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 140.009 ms
Loss rate: 4.85%
-- Flow 3:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 140.170 ms
Loss rate: 6.80%
```

Run 1: Report of LEDBAT — Data Link



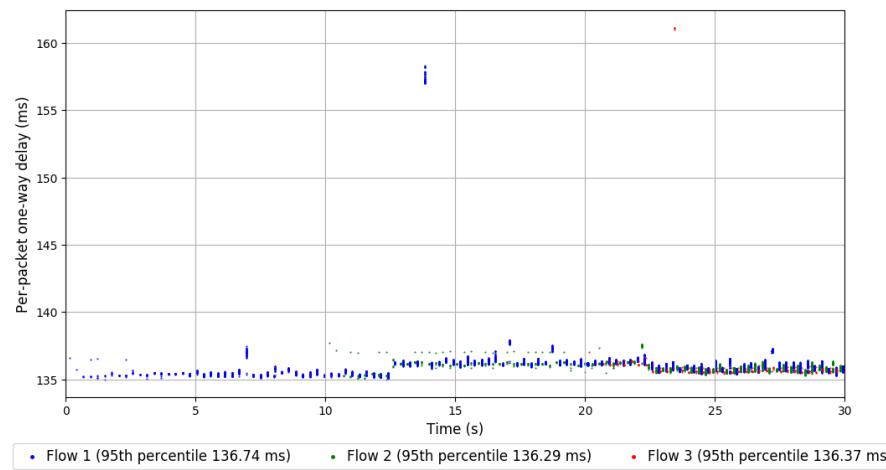
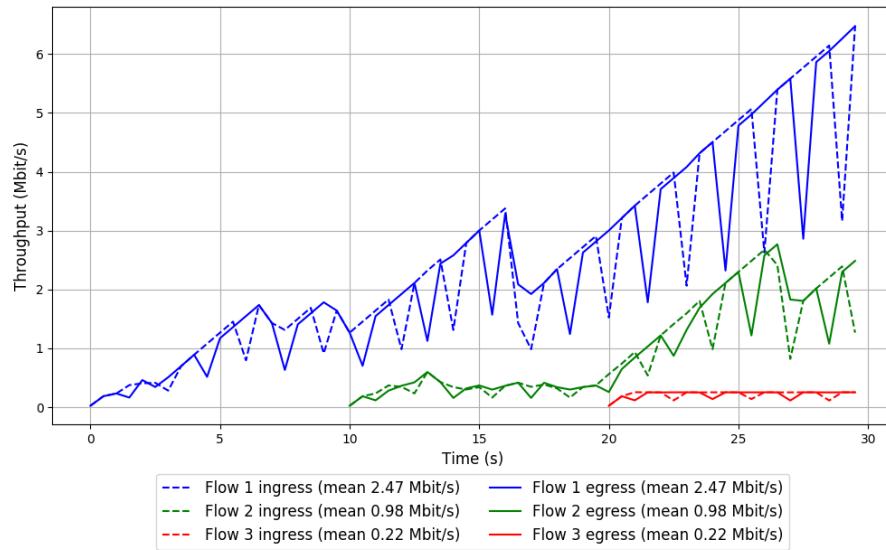
Run 2: Statistics of LEDBAT

Start at: 2018-01-03 09:35:32

End at: 2018-01-03 09:36:03

```
# Below is generated by plot.py at 2018-01-03 13:02:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 136.631 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 136.743 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 136.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.365 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



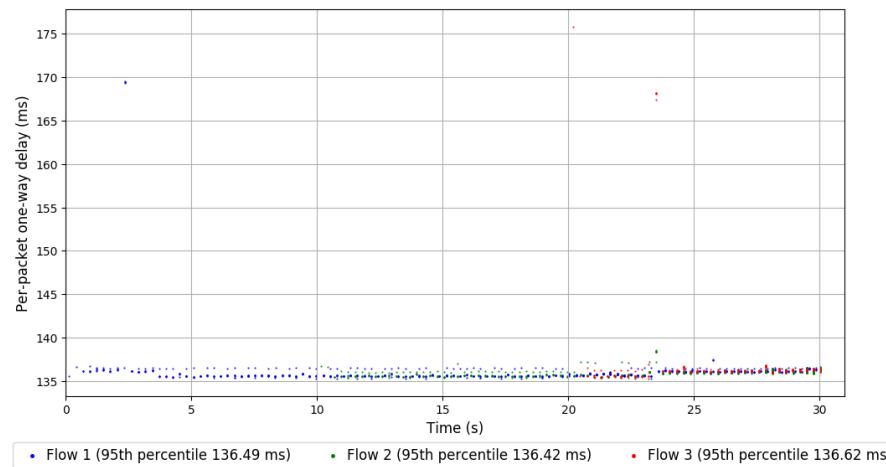
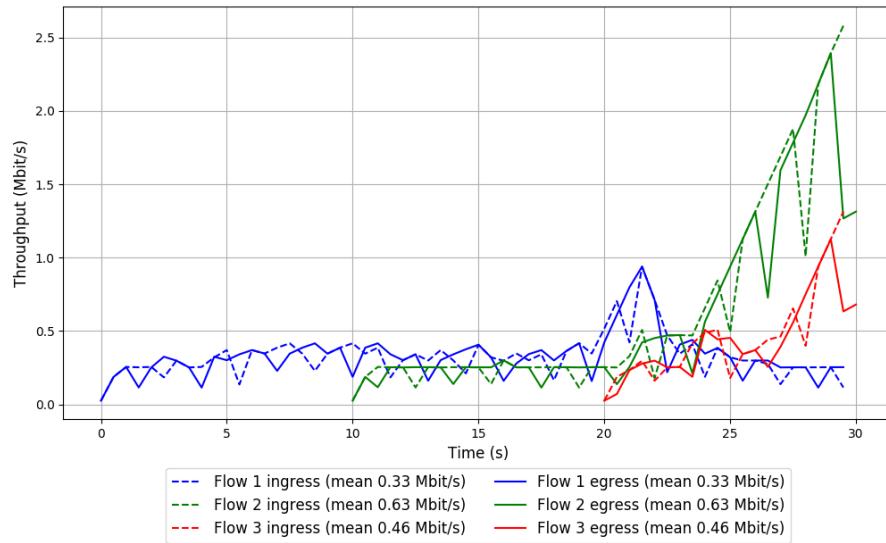
```
Run 3: Statistics of LEDBAT
```

```
Start at: 2018-01-03 09:51:32
```

```
End at: 2018-01-03 09:52:02
```

```
# Below is generated by plot.py at 2018-01-03 13:02:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 136.485 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.494 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 136.424 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 136.622 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link



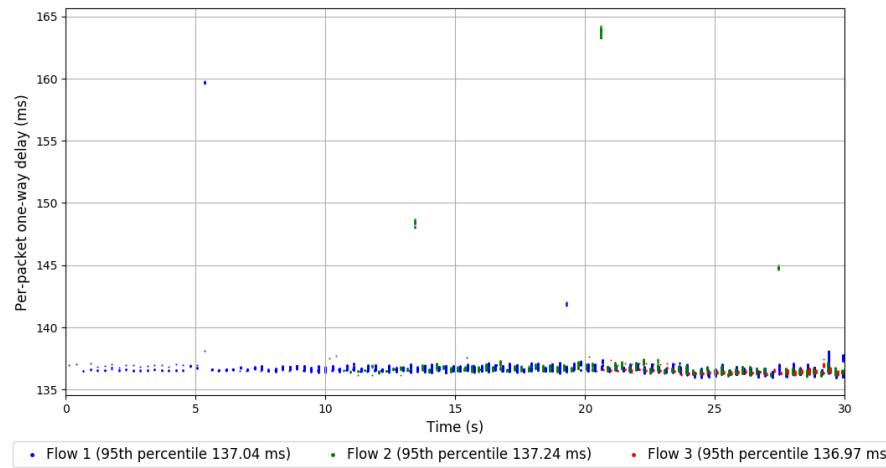
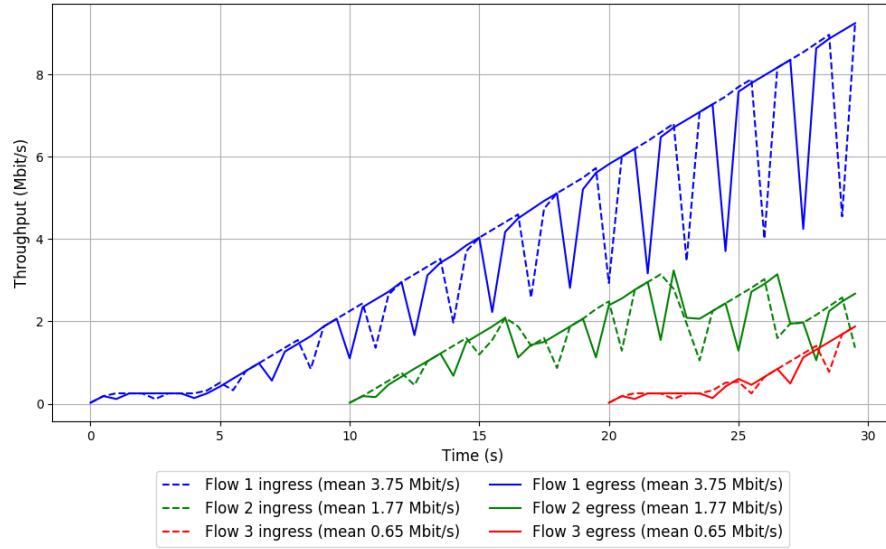
```
Run 4: Statistics of LEDBAT
```

```
Start at: 2018-01-03 10:07:31
```

```
End at: 2018-01-03 10:08:01
```

```
# Below is generated by plot.py at 2018-01-03 13:02:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.13 Mbit/s
95th percentile per-packet one-way delay: 137.094 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 137.045 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 137.244 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 136.974 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link



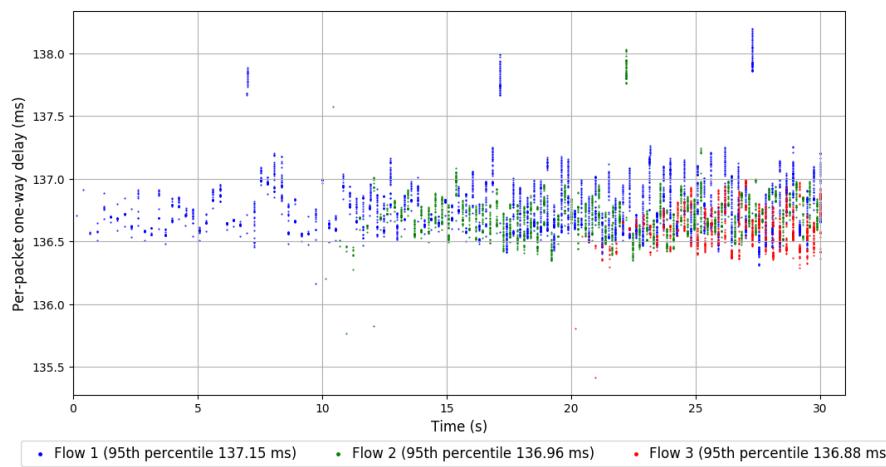
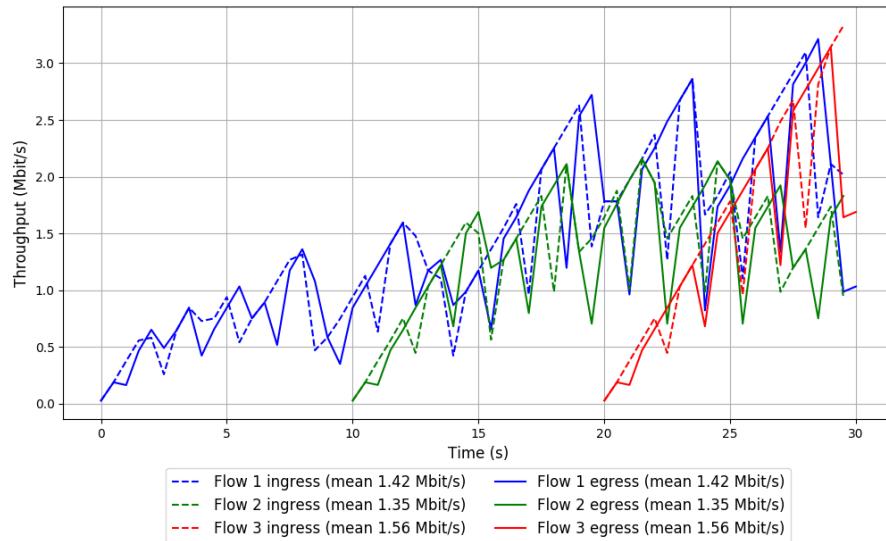
Run 5: Statistics of LEDBAT

Start at: 2018-01-03 10:22:56

End at: 2018-01-03 10:23:26

```
# Below is generated by plot.py at 2018-01-03 13:02:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 137.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 137.150 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 136.961 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 136.877 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link



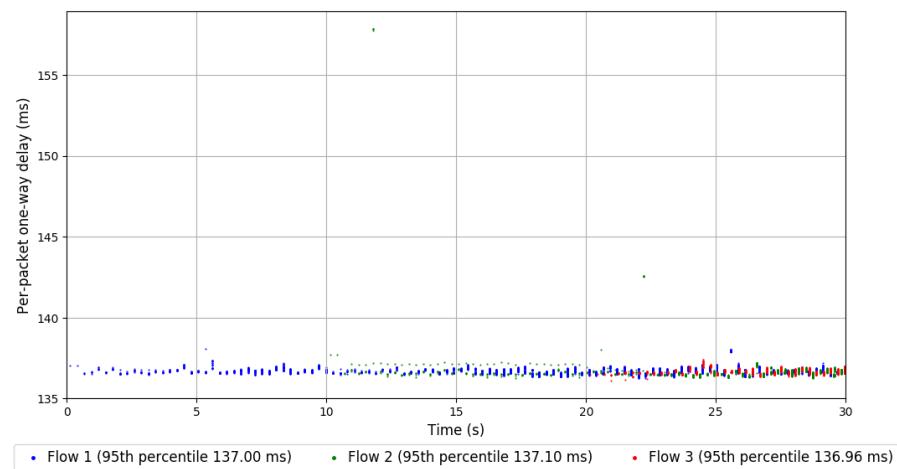
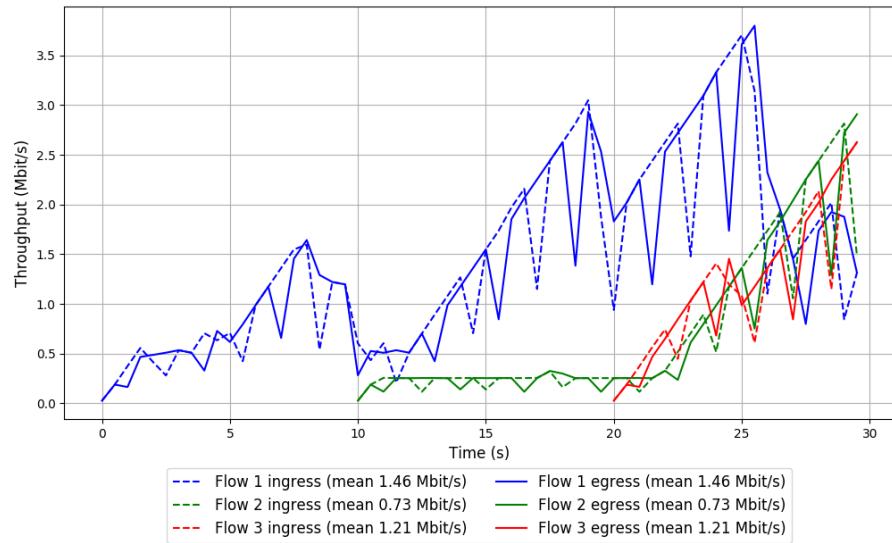
```
Run 6: Statistics of LEDBAT
```

```
Start at: 2018-01-03 10:39:02
```

```
End at: 2018-01-03 10:39:32
```

```
# Below is generated by plot.py at 2018-01-03 13:02:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 136.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 136.995 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 137.097 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 136.959 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link



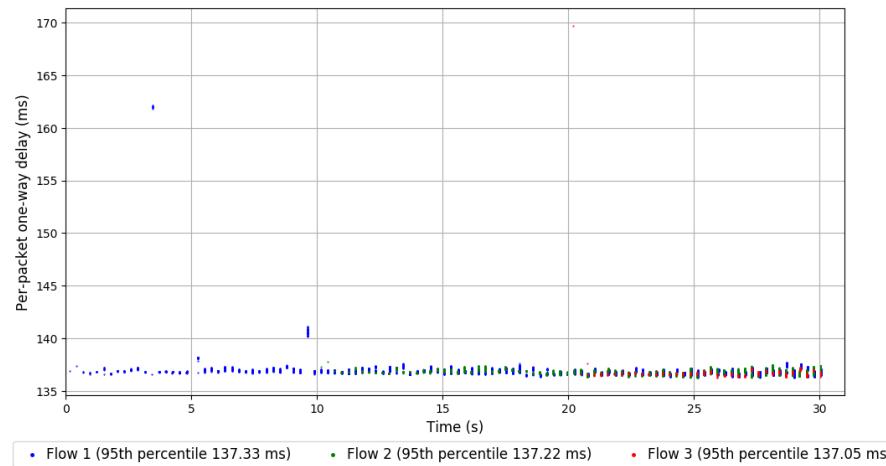
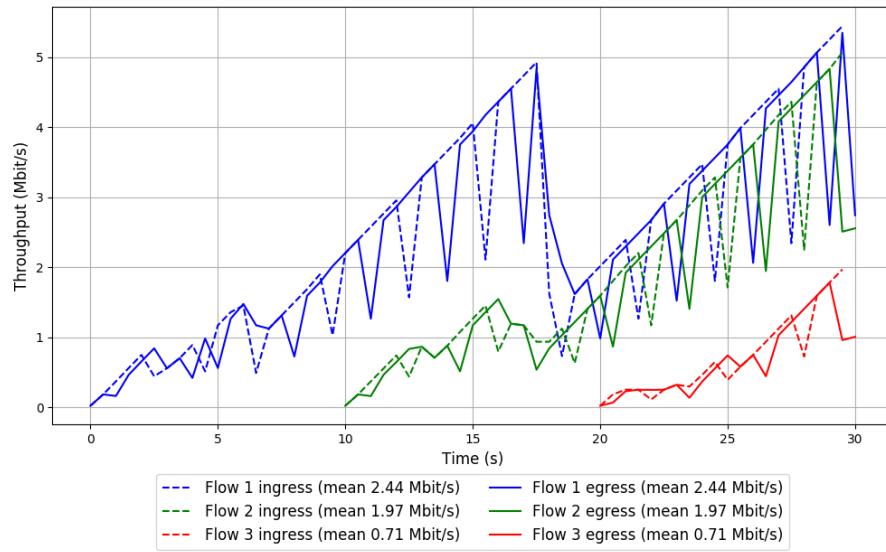
```
Run 7: Statistics of LEDBAT
```

```
Start at: 2018-01-03 10:55:17
```

```
End at: 2018-01-03 10:55:47
```

```
# Below is generated by plot.py at 2018-01-03 13:02:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 137.288 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 137.326 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 137.225 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 137.054 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link



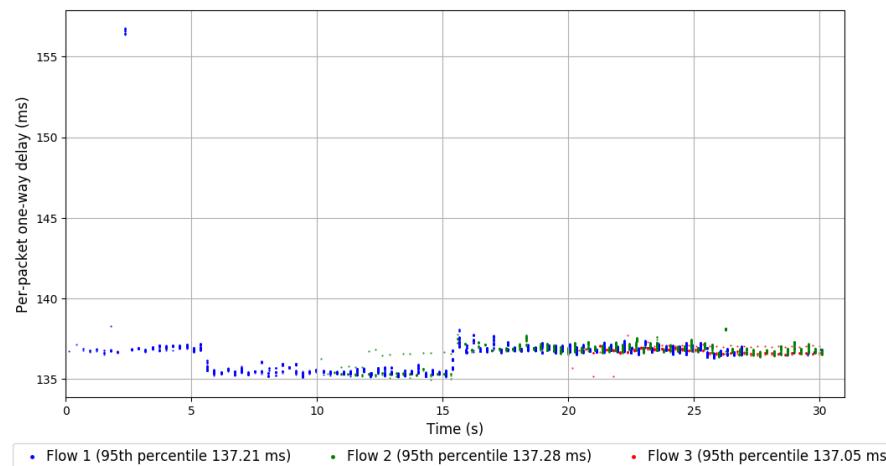
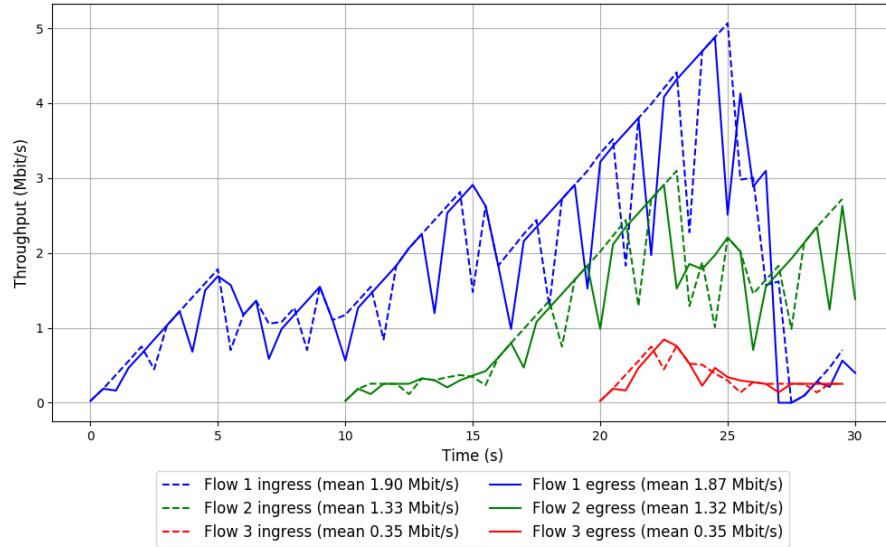
Run 8: Statistics of LEDBAT

Start at: 2018-01-03 11:11:19

End at: 2018-01-03 11:11:49

```
# Below is generated by plot.py at 2018-01-03 13:02:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 137.224 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 137.205 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 137.281 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 137.049 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link



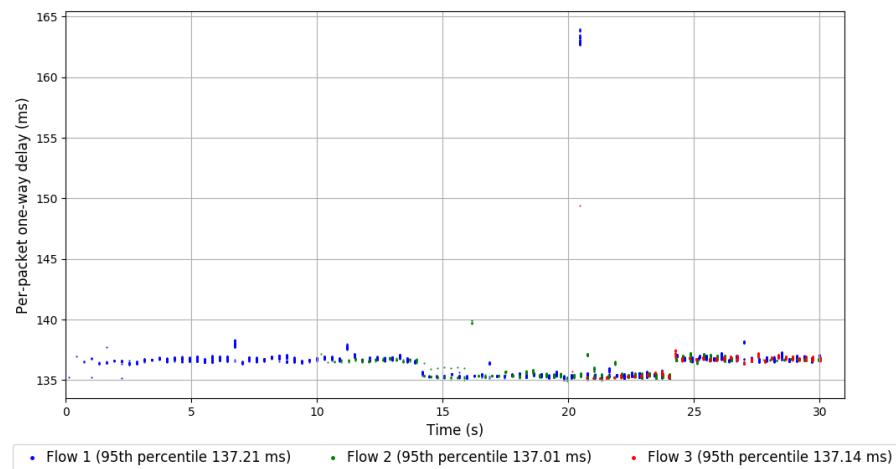
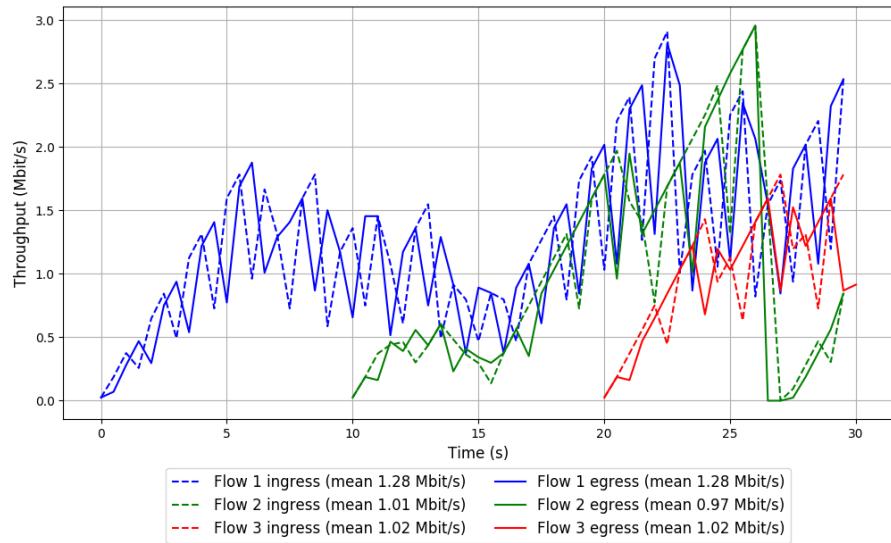
Run 9: Statistics of LEDBAT

Start at: 2018-01-03 11:26:51

End at: 2018-01-03 11:27:21

```
# Below is generated by plot.py at 2018-01-03 13:02:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 137.105 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 137.208 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 137.013 ms
Loss rate: 3.87%
-- Flow 3:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 137.138 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link



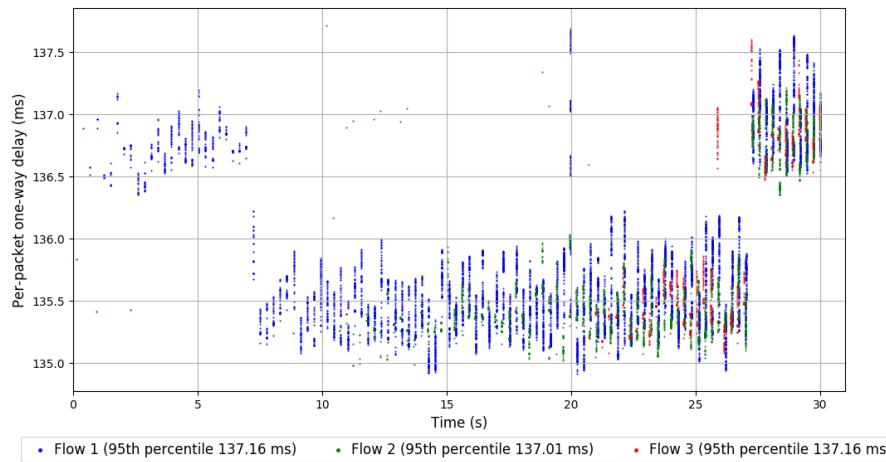
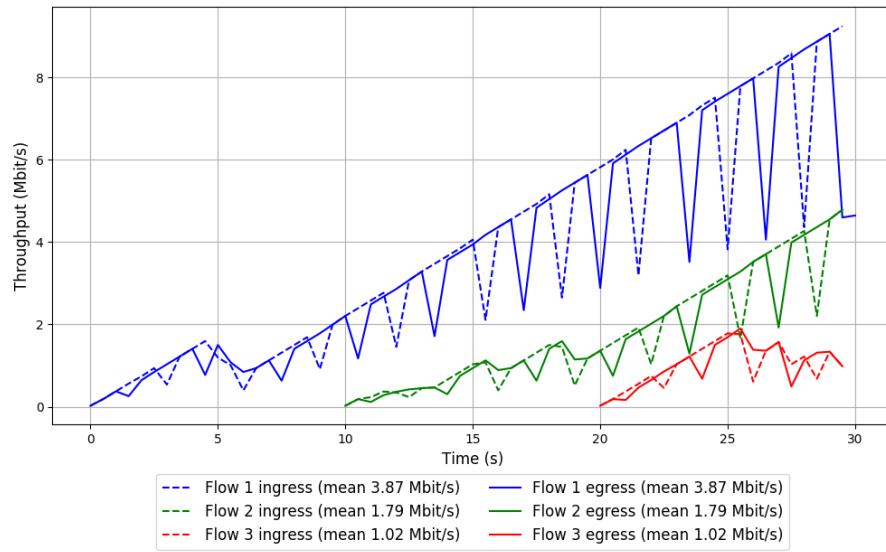
Run 10: Statistics of LEDBAT

Start at: 2018-01-03 11:42:58

End at: 2018-01-03 11:43:28

```
# Below is generated by plot.py at 2018-01-03 13:02:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.39 Mbit/s
95th percentile per-packet one-way delay: 137.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 137.160 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 137.006 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 137.156 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

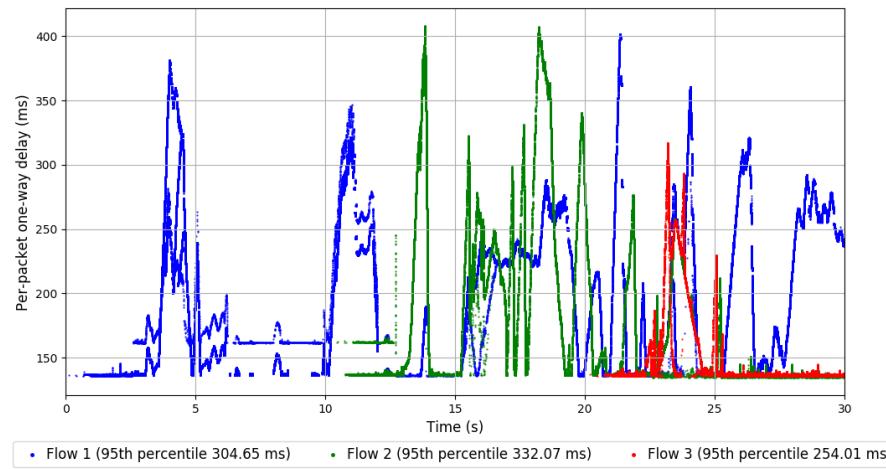
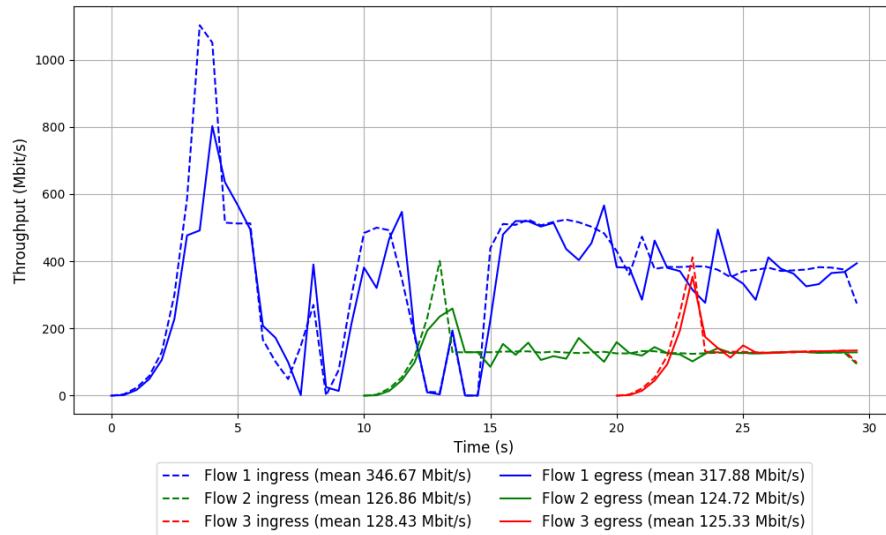


```
Run 1: Statistics of PCC

Start at: 2018-01-03 09:25:59
End at: 2018-01-03 09:26:29

# Below is generated by plot.py at 2018-01-03 13:09:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 441.84 Mbit/s
95th percentile per-packet one-way delay: 305.853 ms
Loss rate: 6.63%
-- Flow 1:
Average throughput: 317.88 Mbit/s
95th percentile per-packet one-way delay: 304.647 ms
Loss rate: 8.31%
-- Flow 2:
Average throughput: 124.72 Mbit/s
95th percentile per-packet one-way delay: 332.072 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 125.33 Mbit/s
95th percentile per-packet one-way delay: 254.011 ms
Loss rate: 2.44%
```

Run 1: Report of PCC — Data Link



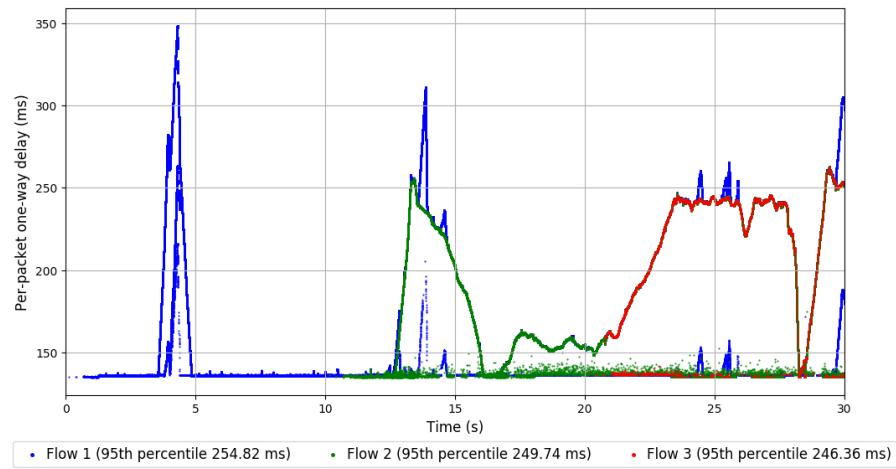
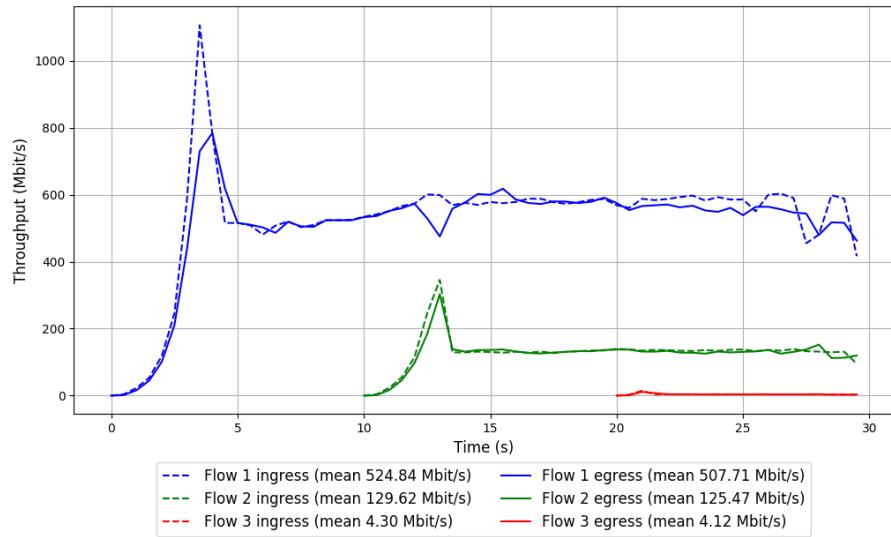
Run 2: Statistics of PCC

Start at: 2018-01-03 09:41:34

End at: 2018-01-03 09:42:04

```
# Below is generated by plot.py at 2018-01-03 13:10:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 592.42 Mbit/s
95th percentile per-packet one-way delay: 253.634 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 507.71 Mbit/s
95th percentile per-packet one-way delay: 254.824 ms
Loss rate: 3.26%
-- Flow 2:
Average throughput: 125.47 Mbit/s
95th percentile per-packet one-way delay: 249.736 ms
Loss rate: 3.19%
-- Flow 3:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 246.360 ms
Loss rate: 4.13%
```

Run 2: Report of PCC — Data Link



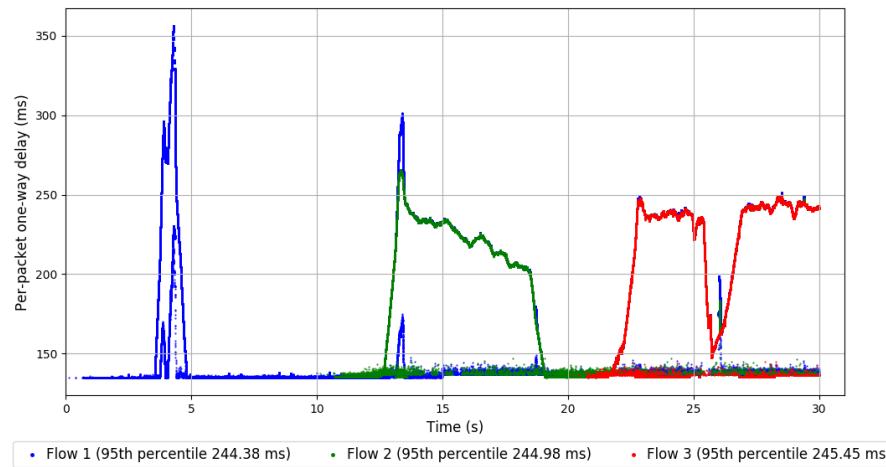
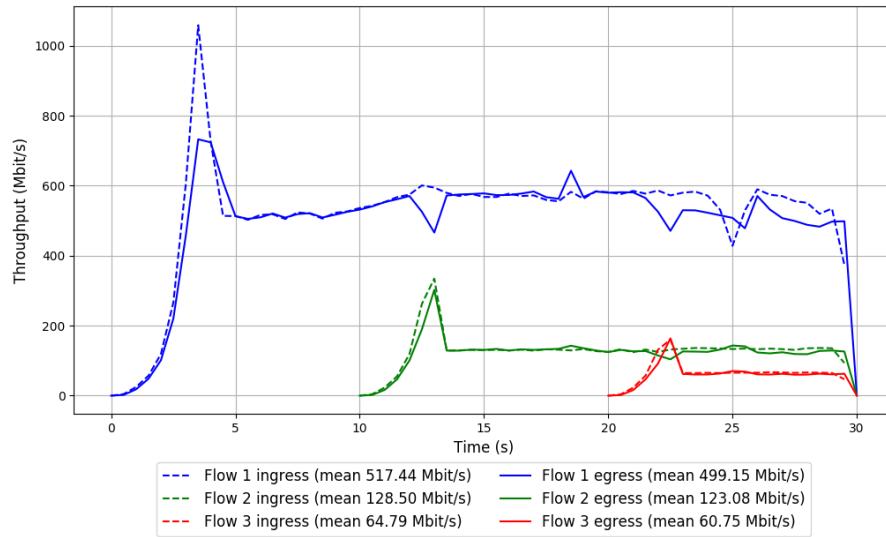
Run 3: Statistics of PCC

Start at: 2018-01-03 09:57:37

End at: 2018-01-03 09:58:07

```
# Below is generated by plot.py at 2018-01-03 13:11:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 600.94 Mbit/s
95th percentile per-packet one-way delay: 244.620 ms
Loss rate: 3.71%
-- Flow 1:
Average throughput: 499.15 Mbit/s
95th percentile per-packet one-way delay: 244.379 ms
Loss rate: 3.52%
-- Flow 2:
Average throughput: 123.08 Mbit/s
95th percentile per-packet one-way delay: 244.977 ms
Loss rate: 4.21%
-- Flow 3:
Average throughput: 60.75 Mbit/s
95th percentile per-packet one-way delay: 245.454 ms
Loss rate: 6.19%
```

Run 3: Report of PCC — Data Link



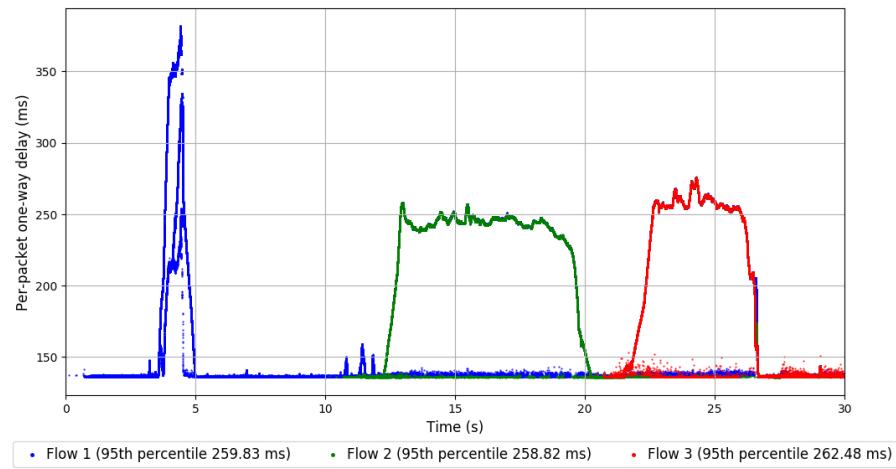
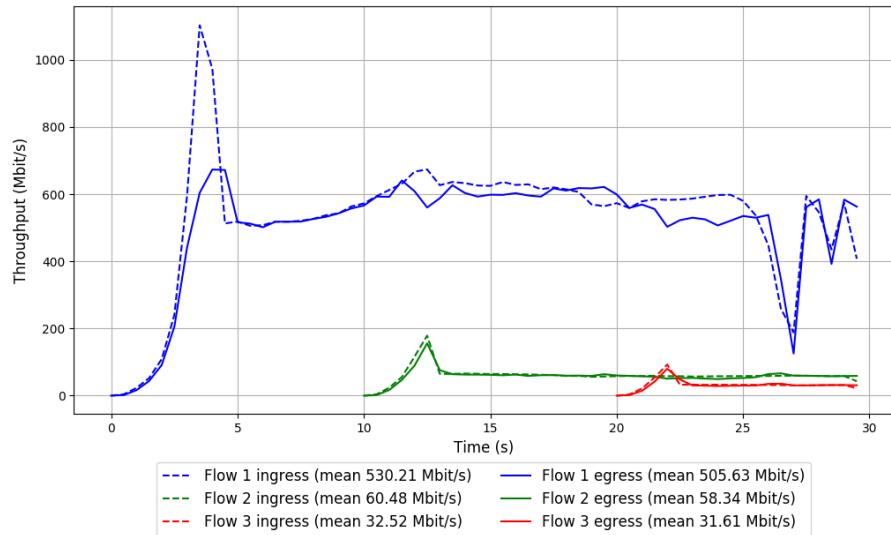
Run 4: Statistics of PCC

Start at: 2018-01-03 10:13:50

End at: 2018-01-03 10:14:20

```
# Below is generated by plot.py at 2018-01-03 13:11:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 554.79 Mbit/s
95th percentile per-packet one-way delay: 259.823 ms
Loss rate: 4.54%
-- Flow 1:
Average throughput: 505.63 Mbit/s
95th percentile per-packet one-way delay: 259.828 ms
Loss rate: 4.64%
-- Flow 2:
Average throughput: 58.34 Mbit/s
95th percentile per-packet one-way delay: 258.822 ms
Loss rate: 3.55%
-- Flow 3:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 262.484 ms
Loss rate: 2.81%
```

Run 4: Report of PCC — Data Link



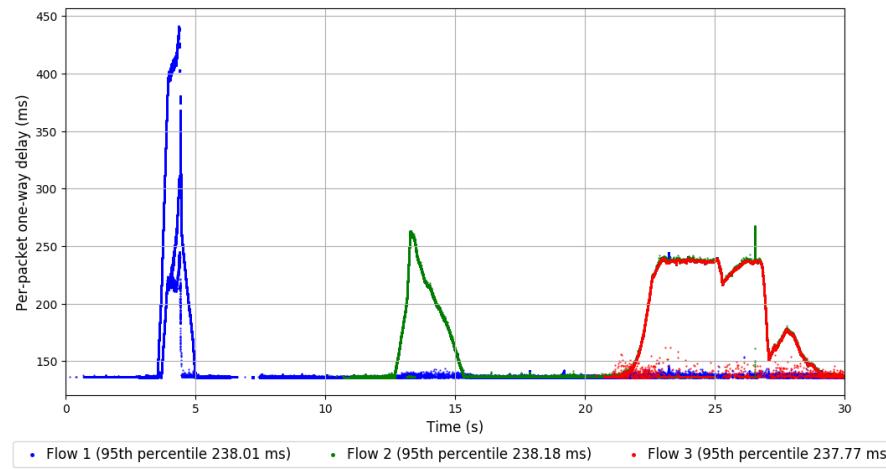
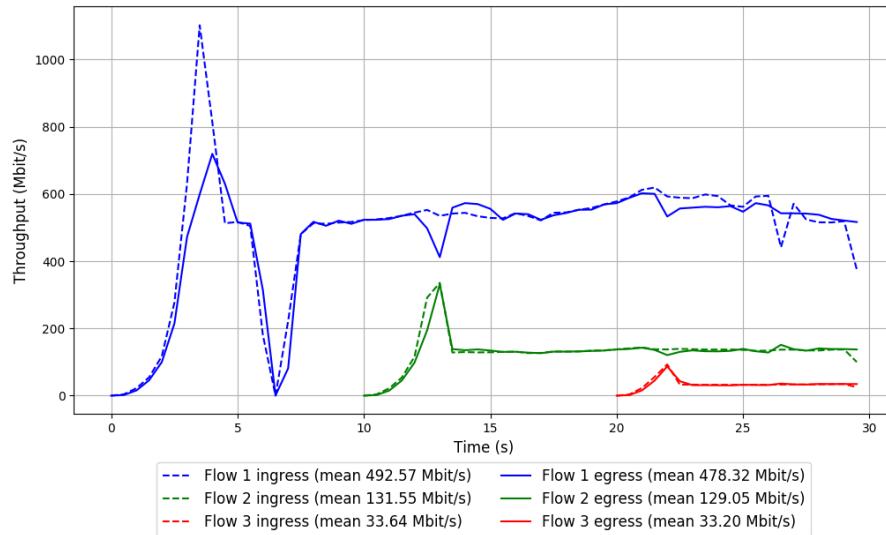
Run 5: Statistics of PCC

Start at: 2018-01-03 10:29:12

End at: 2018-01-03 10:29:42

```
# Below is generated by plot.py at 2018-01-03 13:11:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 575.05 Mbit/s
95th percentile per-packet one-way delay: 238.023 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 478.32 Mbit/s
95th percentile per-packet one-way delay: 238.006 ms
Loss rate: 2.89%
-- Flow 2:
Average throughput: 129.05 Mbit/s
95th percentile per-packet one-way delay: 238.177 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 33.20 Mbit/s
95th percentile per-packet one-way delay: 237.766 ms
Loss rate: 1.31%
```

Run 5: Report of PCC — Data Link



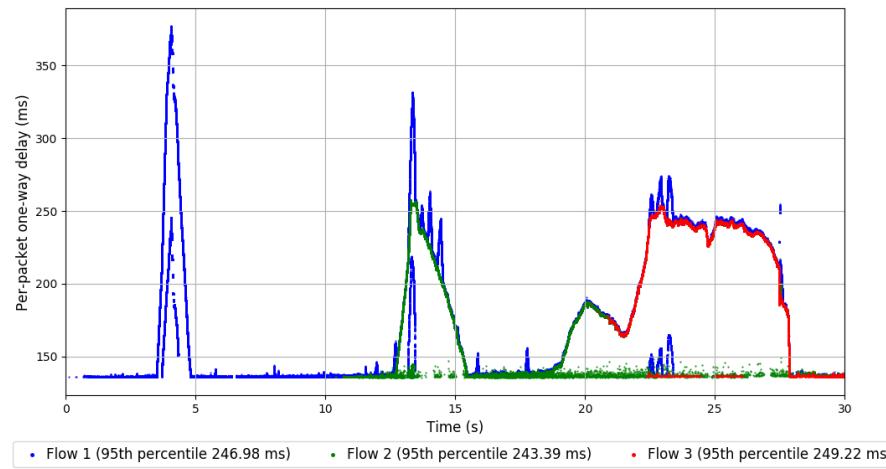
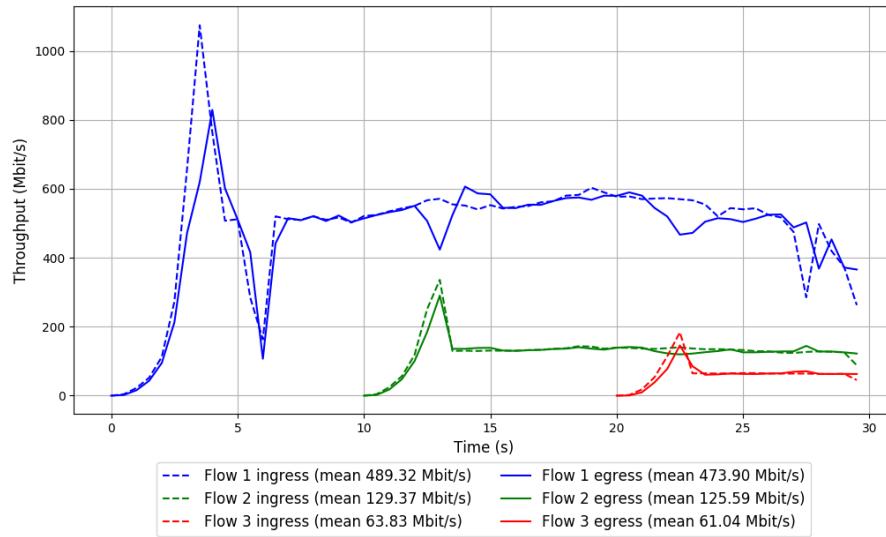
Run 6: Statistics of PCC

Start at: 2018-01-03 10:45:25

End at: 2018-01-03 10:45:55

```
# Below is generated by plot.py at 2018-01-03 13:11:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 577.35 Mbit/s
95th percentile per-packet one-way delay: 246.602 ms
Loss rate: 3.18%
-- Flow 1:
Average throughput: 473.90 Mbit/s
95th percentile per-packet one-way delay: 246.977 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 125.59 Mbit/s
95th percentile per-packet one-way delay: 243.387 ms
Loss rate: 2.92%
-- Flow 3:
Average throughput: 61.04 Mbit/s
95th percentile per-packet one-way delay: 249.221 ms
Loss rate: 4.86%
```

Run 6: Report of PCC — Data Link



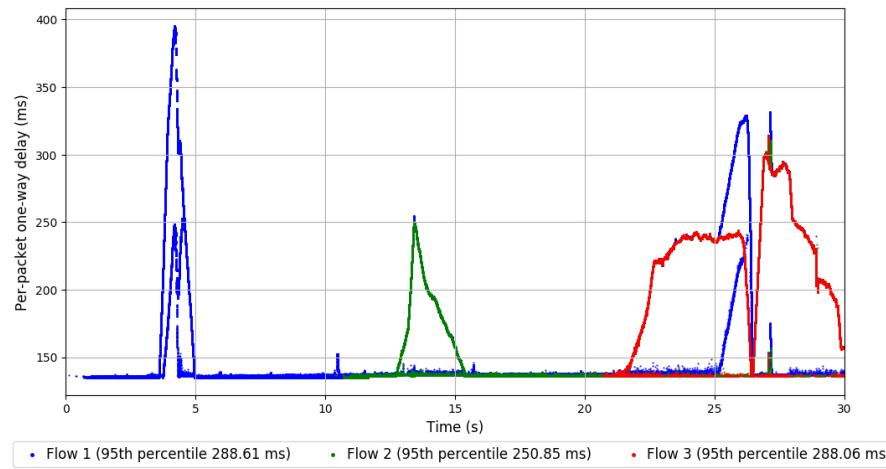
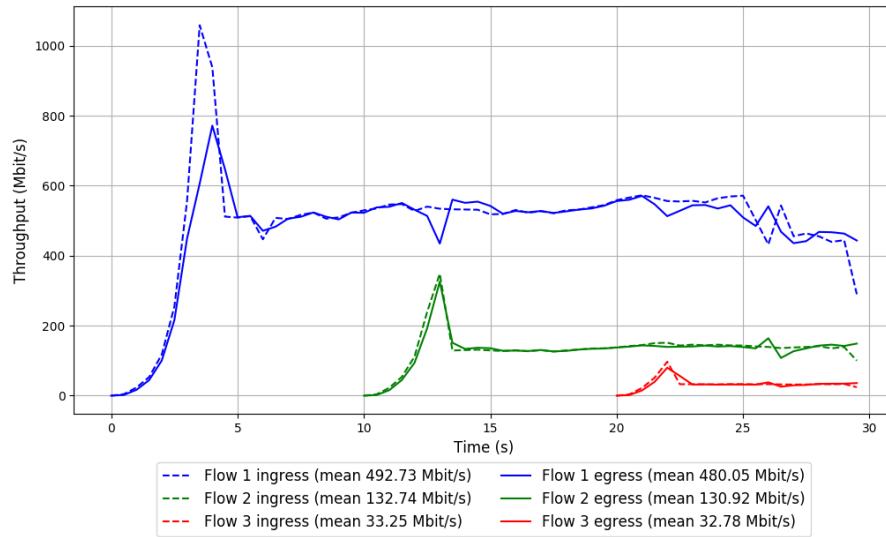
Run 7: Statistics of PCC

Start at: 2018-01-03 11:01:23

End at: 2018-01-03 11:01:53

```
# Below is generated by plot.py at 2018-01-03 13:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 577.86 Mbit/s
95th percentile per-packet one-way delay: 287.122 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 480.05 Mbit/s
95th percentile per-packet one-way delay: 288.612 ms
Loss rate: 2.58%
-- Flow 2:
Average throughput: 130.92 Mbit/s
95th percentile per-packet one-way delay: 250.849 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 32.78 Mbit/s
95th percentile per-packet one-way delay: 288.063 ms
Loss rate: 1.44%
```

Run 7: Report of PCC — Data Link



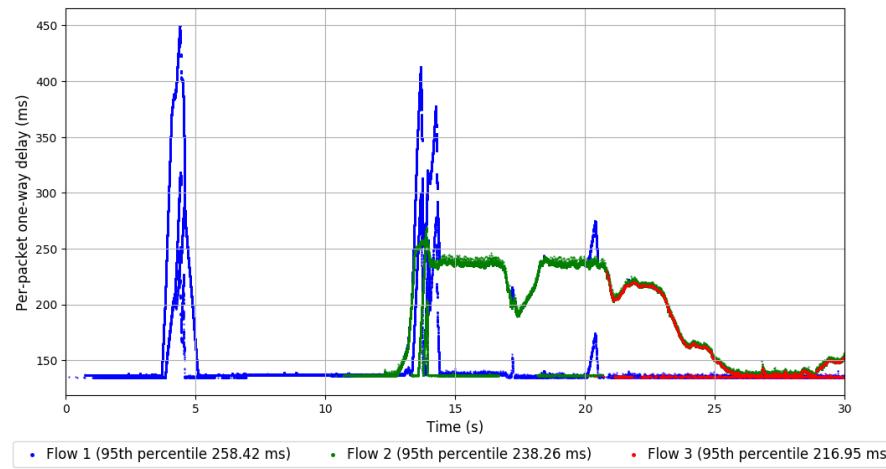
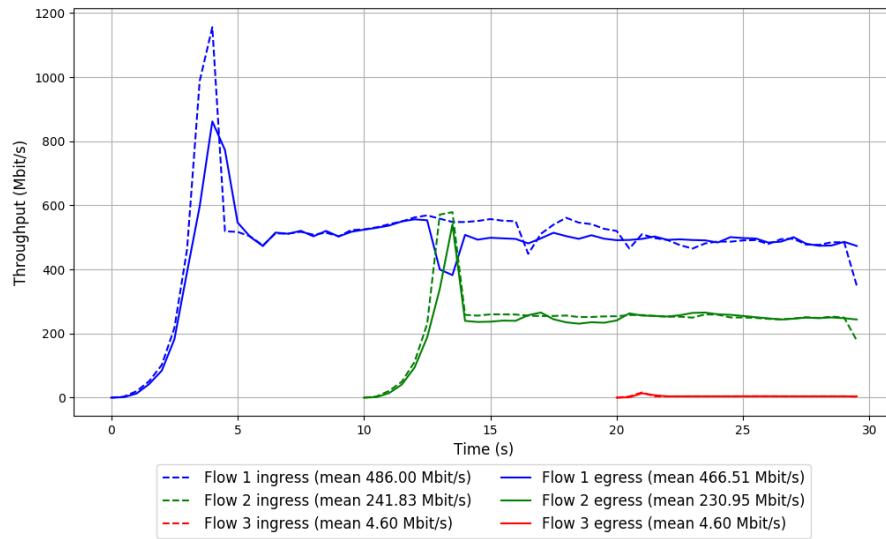
Run 8: Statistics of PCC

Start at: 2018-01-03 11:17:35

End at: 2018-01-03 11:18:05

```
# Below is generated by plot.py at 2018-01-03 13:12:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 621.50 Mbit/s
95th percentile per-packet one-way delay: 249.986 ms
Loss rate: 4.12%
-- Flow 1:
Average throughput: 466.51 Mbit/s
95th percentile per-packet one-way delay: 258.420 ms
Loss rate: 4.01%
-- Flow 2:
Average throughput: 230.95 Mbit/s
95th percentile per-packet one-way delay: 238.260 ms
Loss rate: 4.49%
-- Flow 3:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 216.952 ms
Loss rate: 0.16%
```

Run 8: Report of PCC — Data Link



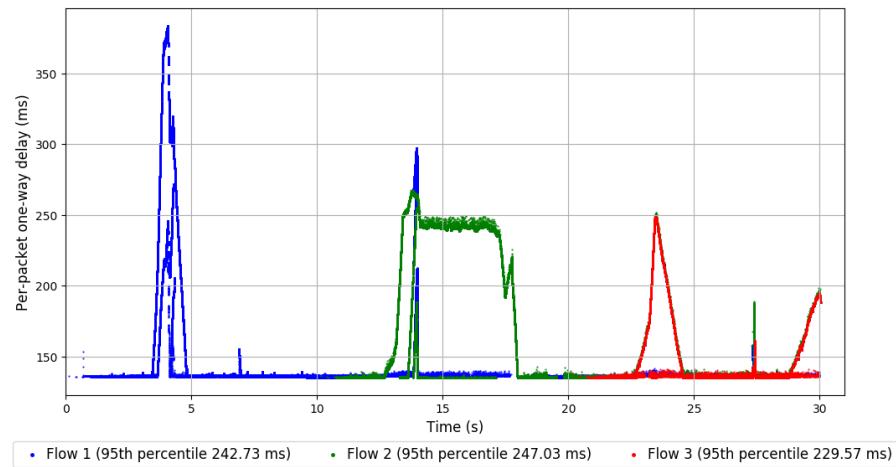
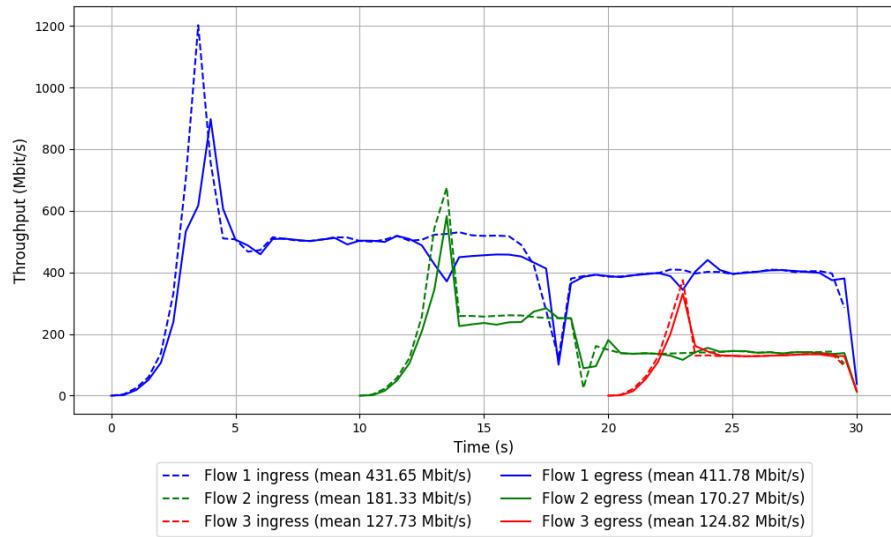
Run 9: Statistics of PCC

Start at: 2018-01-03 11:33:05

End at: 2018-01-03 11:33:35

```
# Below is generated by plot.py at 2018-01-03 13:19:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 566.21 Mbit/s
95th percentile per-packet one-way delay: 242.877 ms
Loss rate: 4.56%
-- Flow 1:
Average throughput: 411.78 Mbit/s
95th percentile per-packet one-way delay: 242.728 ms
Loss rate: 4.45%
-- Flow 2:
Average throughput: 170.27 Mbit/s
95th percentile per-packet one-way delay: 247.035 ms
Loss rate: 5.88%
-- Flow 3:
Average throughput: 124.82 Mbit/s
95th percentile per-packet one-way delay: 229.568 ms
Loss rate: 1.83%
```

Run 9: Report of PCC — Data Link



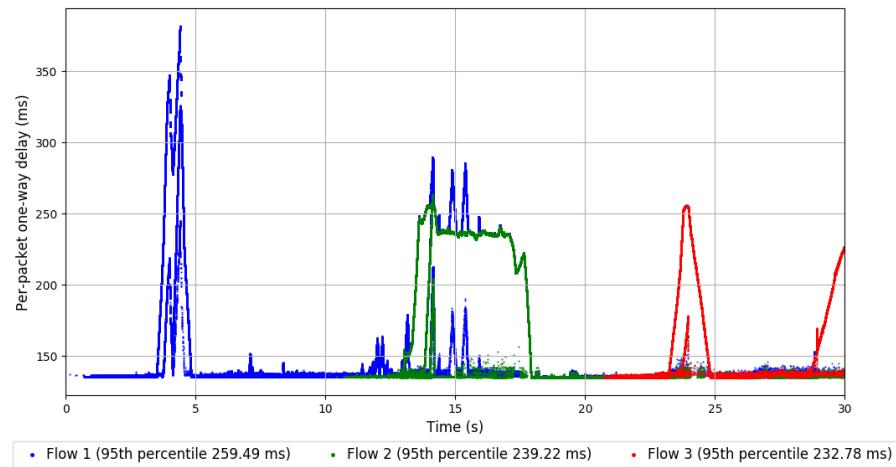
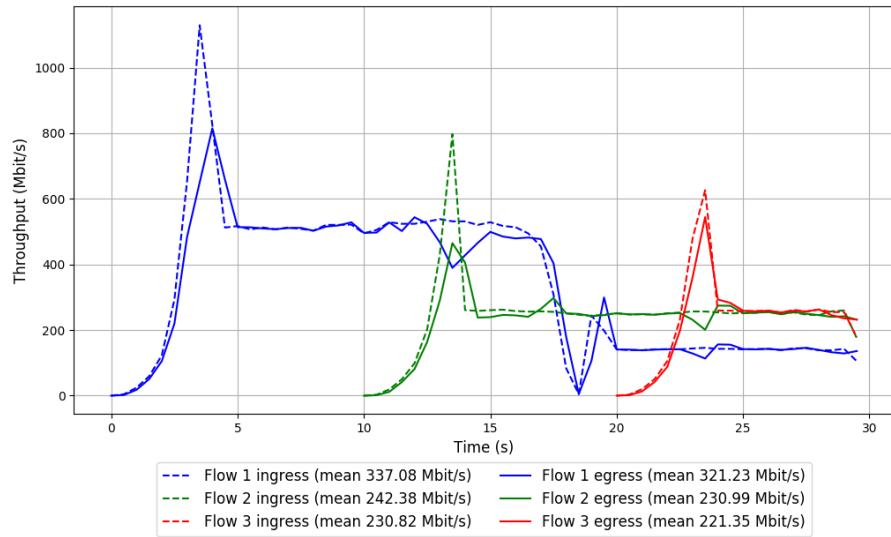
Run 10: Statistics of PCC

Start at: 2018-01-03 11:48:58

End at: 2018-01-03 11:49:28

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 547.49 Mbit/s
95th percentile per-packet one-way delay: 249.448 ms
Loss rate: 4.63%
-- Flow 1:
Average throughput: 321.23 Mbit/s
95th percentile per-packet one-way delay: 259.486 ms
Loss rate: 4.71%
-- Flow 2:
Average throughput: 230.99 Mbit/s
95th percentile per-packet one-way delay: 239.216 ms
Loss rate: 4.70%
-- Flow 3:
Average throughput: 221.35 Mbit/s
95th percentile per-packet one-way delay: 232.778 ms
Loss rate: 4.11%
```

Run 10: Report of PCC — Data Link

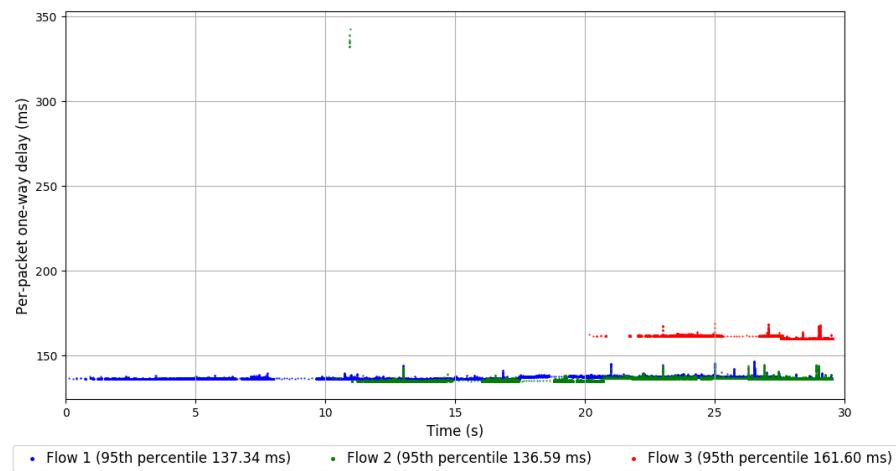
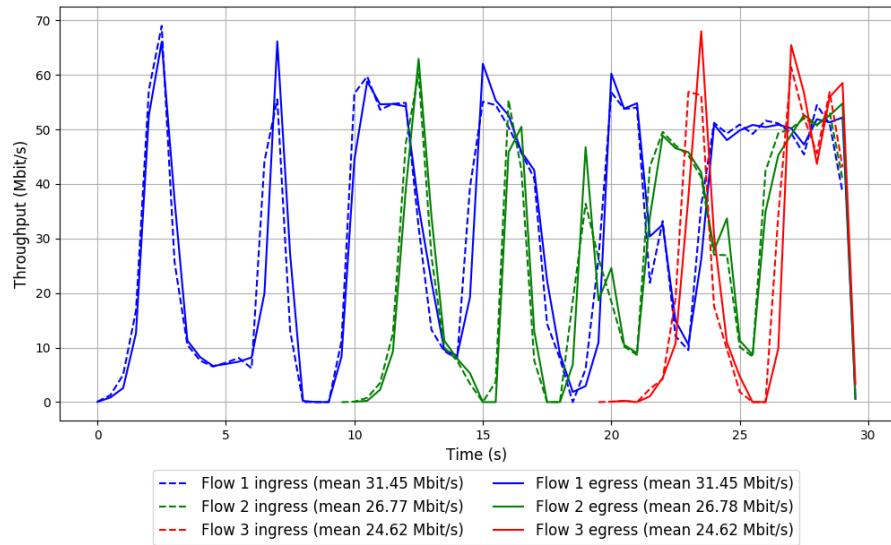


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-03 09:22:34
End at: 2018-01-03 09:23:04

# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 161.281 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: 137.342 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.78 Mbit/s
95th percentile per-packet one-way delay: 136.594 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 161.605 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link



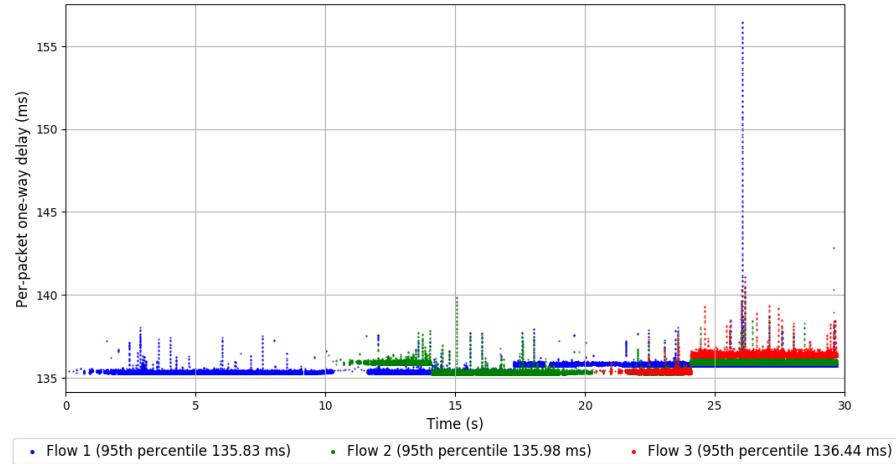
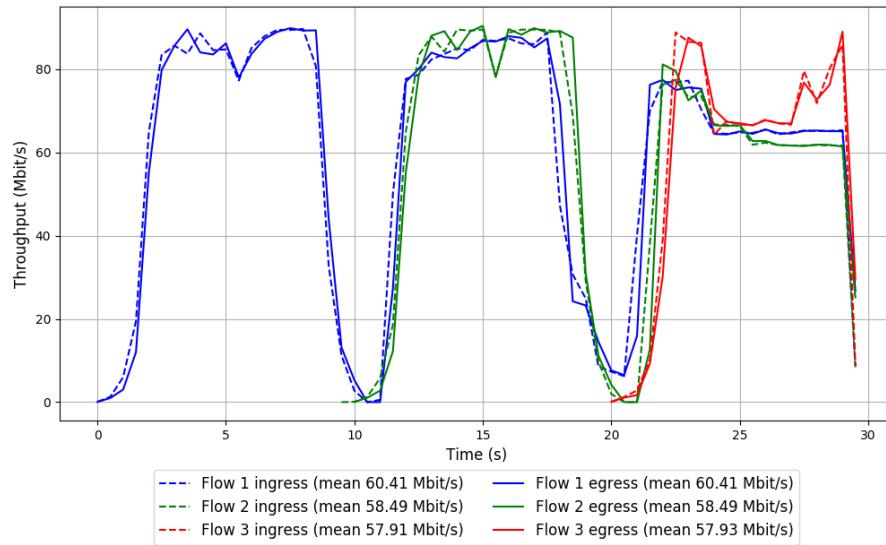
Run 2: Statistics of QUIC Cubic

Start at: 2018-01-03 09:38:07

End at: 2018-01-03 09:38:37

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 117.86 Mbit/s
95th percentile per-packet one-way delay: 136.348 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.41 Mbit/s
95th percentile per-packet one-way delay: 135.834 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 135.980 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 136.444 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link



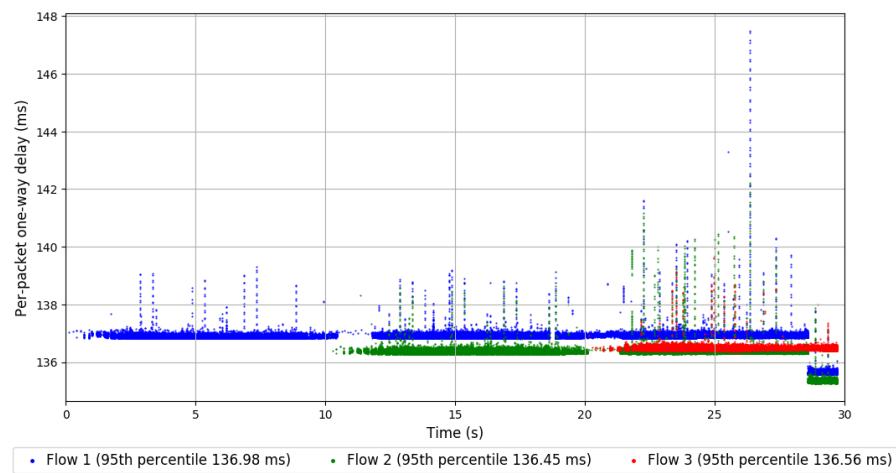
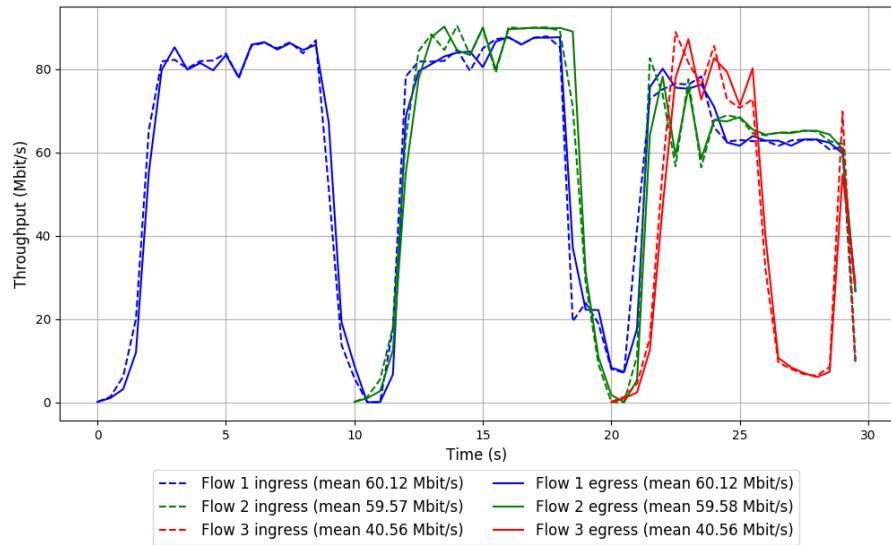
```
Run 3: Statistics of QUIC Cubic
```

```
Start at: 2018-01-03 09:54:06
```

```
End at: 2018-01-03 09:54:36
```

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 112.65 Mbit/s
95th percentile per-packet one-way delay: 136.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.12 Mbit/s
95th percentile per-packet one-way delay: 136.982 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 136.452 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 136.563 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link



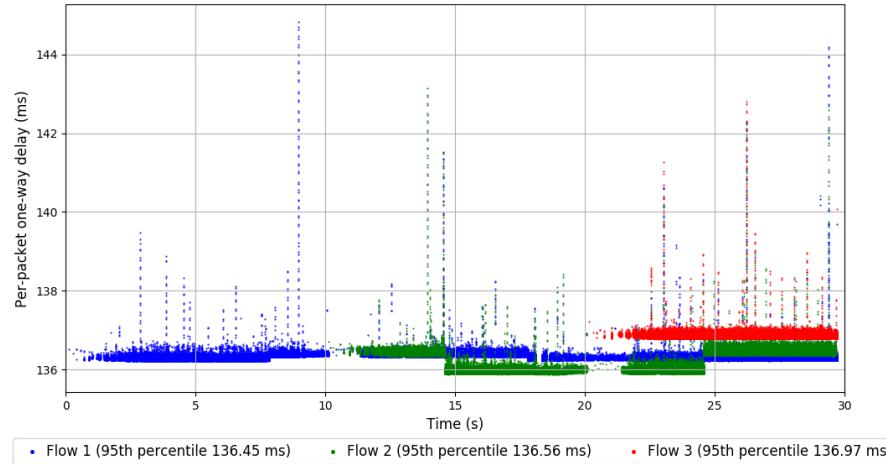
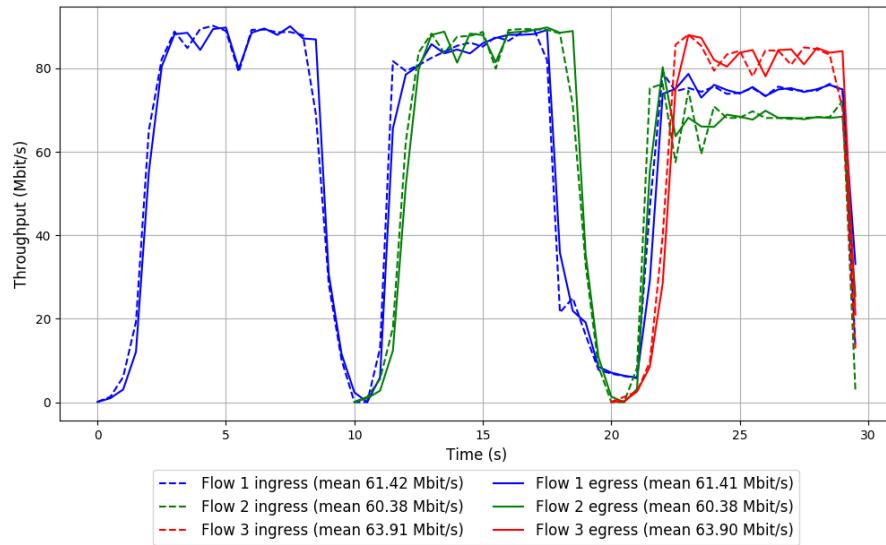
Run 4: Statistics of QUIC Cubic

Start at: 2018-01-03 10:10:07

End at: 2018-01-03 10:10:37

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.91 Mbit/s
95th percentile per-packet one-way delay: 136.900 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 61.41 Mbit/s
95th percentile per-packet one-way delay: 136.449 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 60.38 Mbit/s
95th percentile per-packet one-way delay: 136.557 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.90 Mbit/s
95th percentile per-packet one-way delay: 136.974 ms
Loss rate: 0.03%
```

Run 4: Report of QUIC Cubic — Data Link



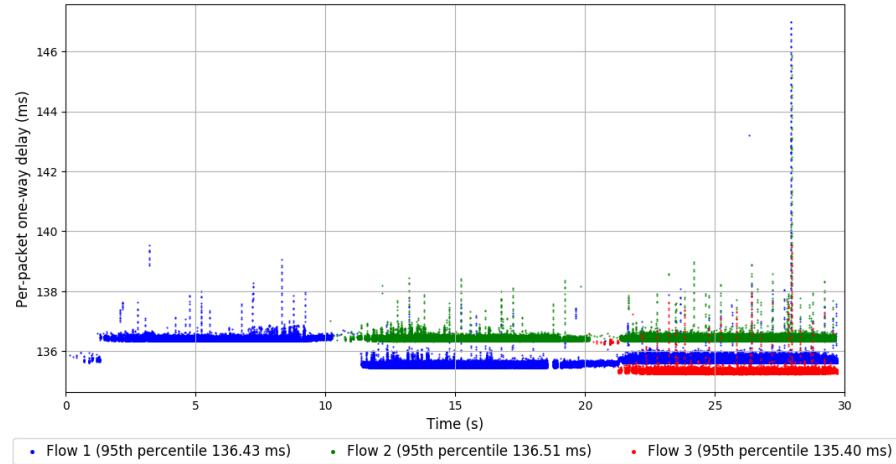
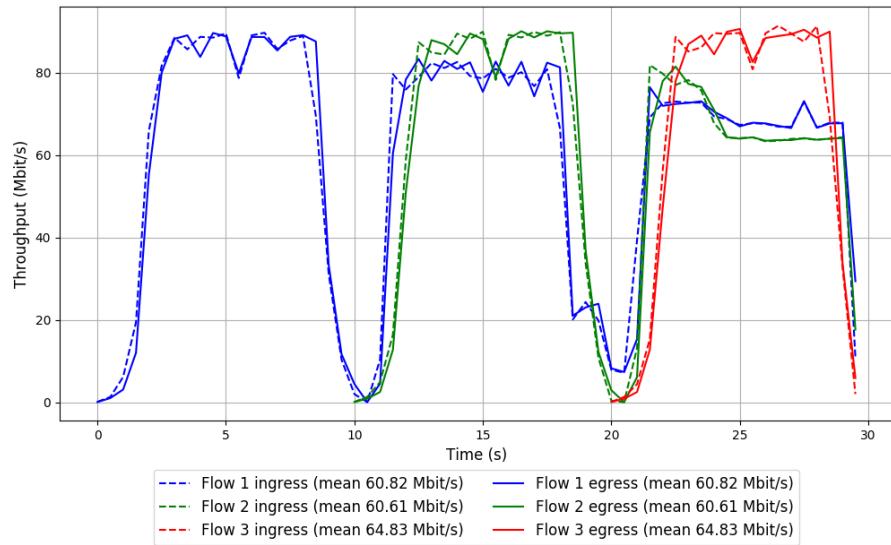
```
Run 5: Statistics of QUIC Cubic
```

```
Start at: 2018-01-03 10:25:30
```

```
End at: 2018-01-03 10:26:00
```

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.64 Mbit/s
95th percentile per-packet one-way delay: 136.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.82 Mbit/s
95th percentile per-packet one-way delay: 136.432 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.61 Mbit/s
95th percentile per-packet one-way delay: 136.507 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.83 Mbit/s
95th percentile per-packet one-way delay: 135.397 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link



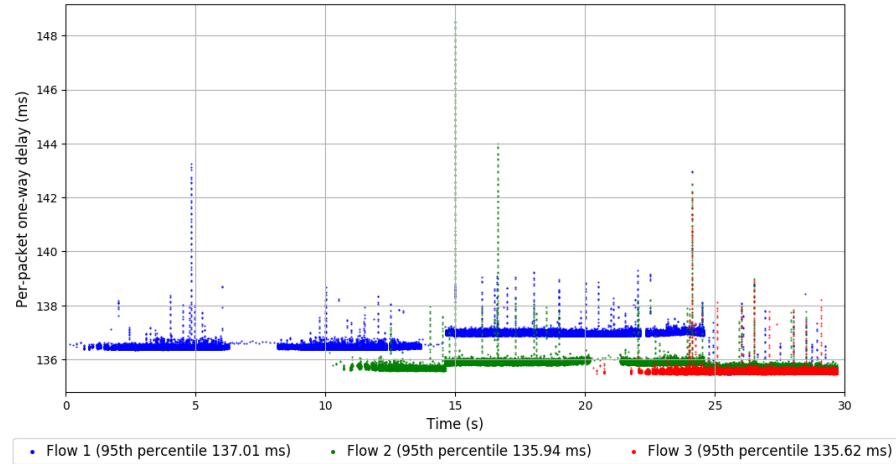
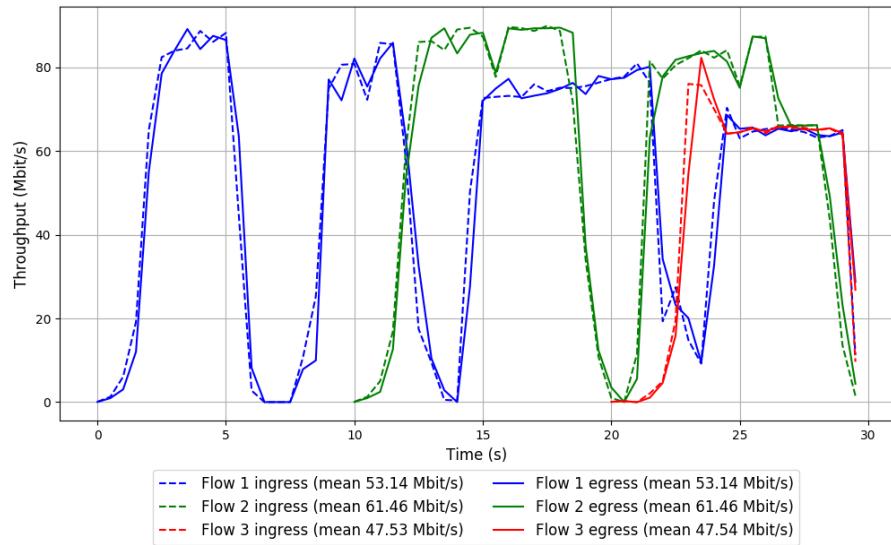
```
Run 6: Statistics of QUIC Cubic
```

```
Start at: 2018-01-03 10:41:37
```

```
End at: 2018-01-03 10:42:07
```

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 109.17 Mbit/s
95th percentile per-packet one-way delay: 136.973 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.14 Mbit/s
95th percentile per-packet one-way delay: 137.008 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.46 Mbit/s
95th percentile per-packet one-way delay: 135.937 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.54 Mbit/s
95th percentile per-packet one-way delay: 135.621 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

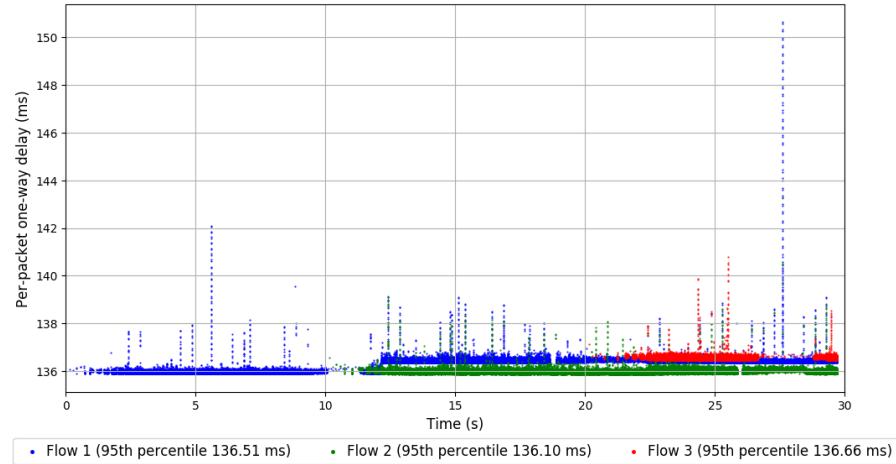
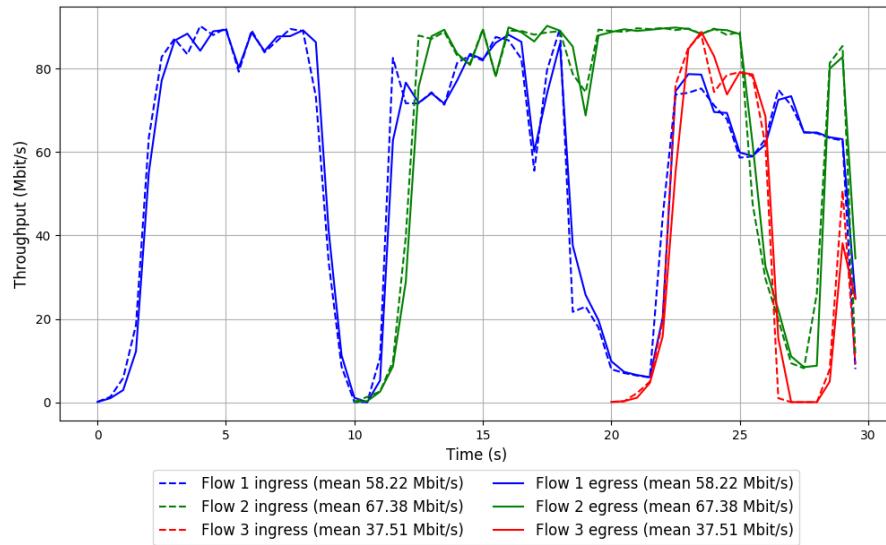


```
Run 7: Statistics of QUIC Cubic

Start at: 2018-01-03 10:57:52
End at: 2018-01-03 10:58:22

# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 114.92 Mbit/s
95th percentile per-packet one-way delay: 136.564 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.22 Mbit/s
95th percentile per-packet one-way delay: 136.507 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.38 Mbit/s
95th percentile per-packet one-way delay: 136.099 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 136.662 ms
Loss rate: 0.00%
```

Run 7: Report of QUIC Cubic — Data Link



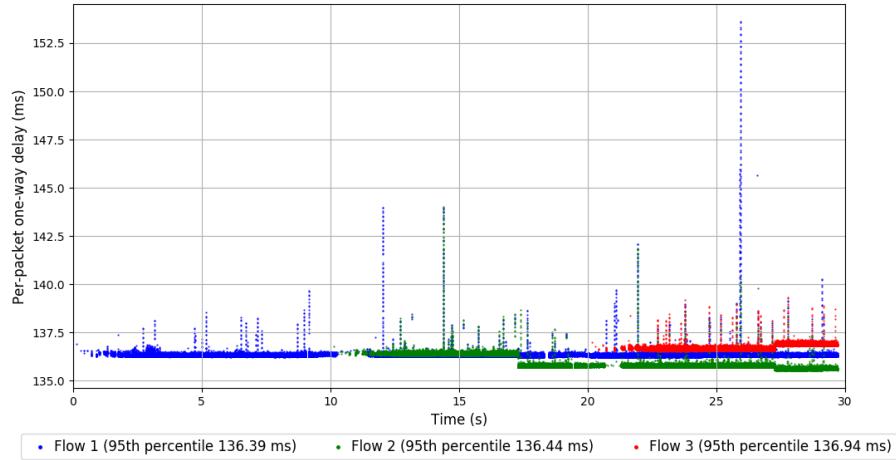
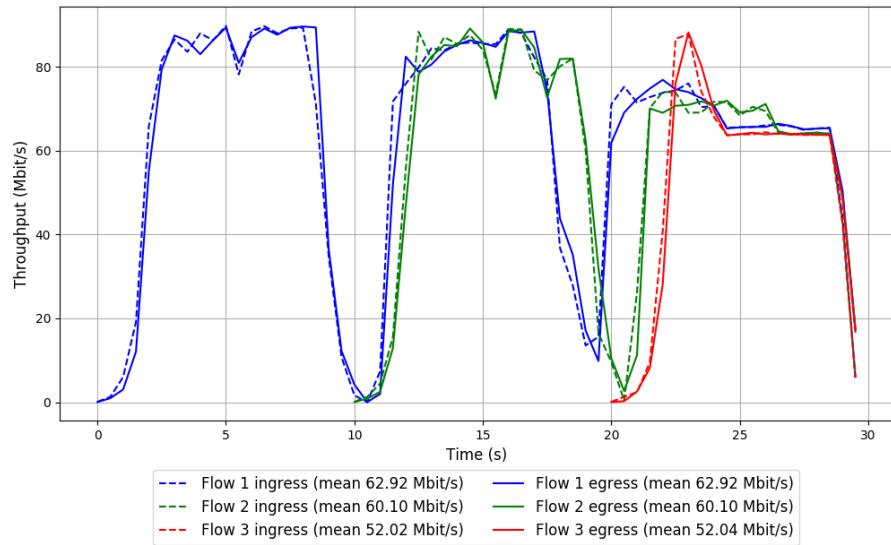
Run 8: Statistics of QUIC Cubic

Start at: 2018-01-03 11:13:54

End at: 2018-01-03 11:14:24

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 119.48 Mbit/s
95th percentile per-packet one-way delay: 136.742 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.92 Mbit/s
95th percentile per-packet one-way delay: 136.391 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.10 Mbit/s
95th percentile per-packet one-way delay: 136.437 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.04 Mbit/s
95th percentile per-packet one-way delay: 136.937 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link



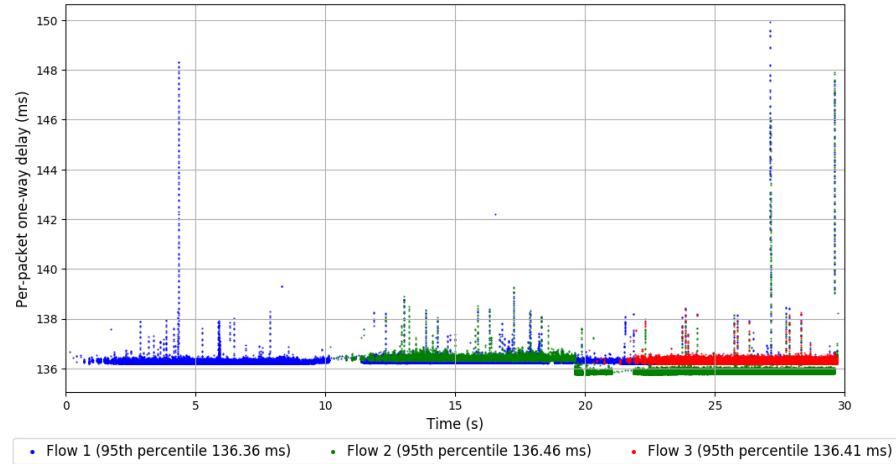
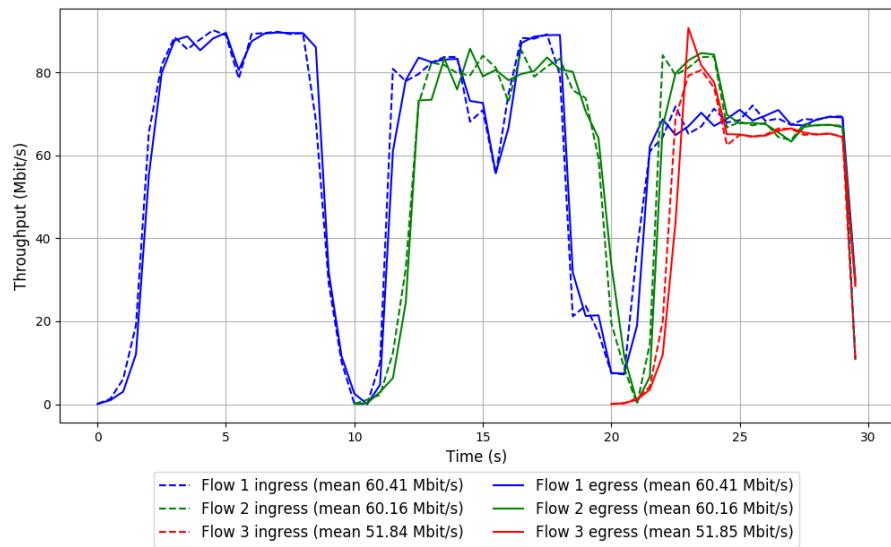
Run 9: Statistics of QUIC Cubic

Start at: 2018-01-03 11:29:25

End at: 2018-01-03 11:29:55

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 116.91 Mbit/s
95th percentile per-packet one-way delay: 136.421 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.41 Mbit/s
95th percentile per-packet one-way delay: 136.361 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.16 Mbit/s
95th percentile per-packet one-way delay: 136.457 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.85 Mbit/s
95th percentile per-packet one-way delay: 136.408 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link



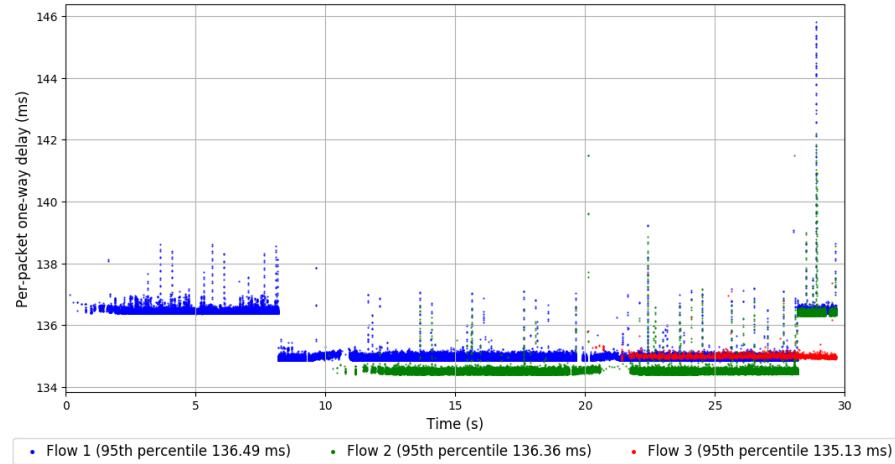
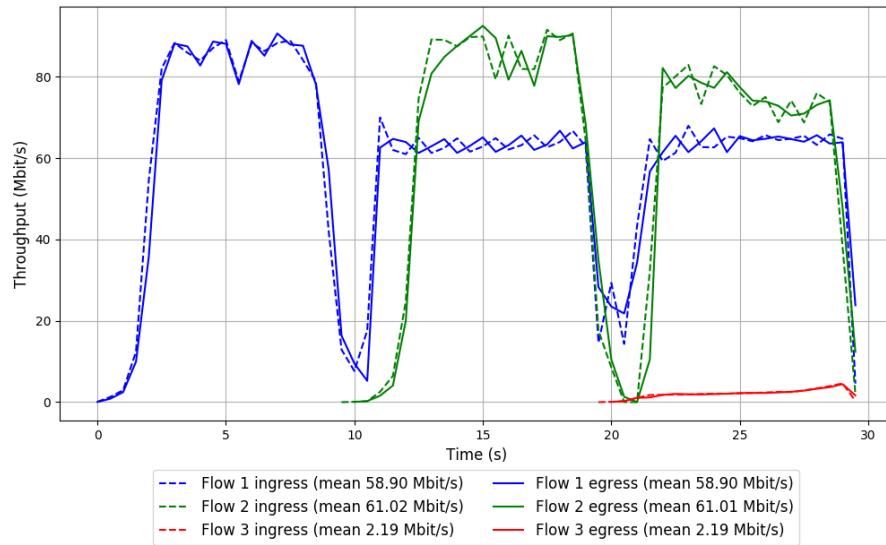
Run 10: Statistics of QUIC Cubic

Start at: 2018-01-03 11:45:33

End at: 2018-01-03 11:46:03

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.98 Mbit/s
95th percentile per-packet one-way delay: 136.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.90 Mbit/s
95th percentile per-packet one-way delay: 136.486 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.01 Mbit/s
95th percentile per-packet one-way delay: 136.358 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 135.133 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

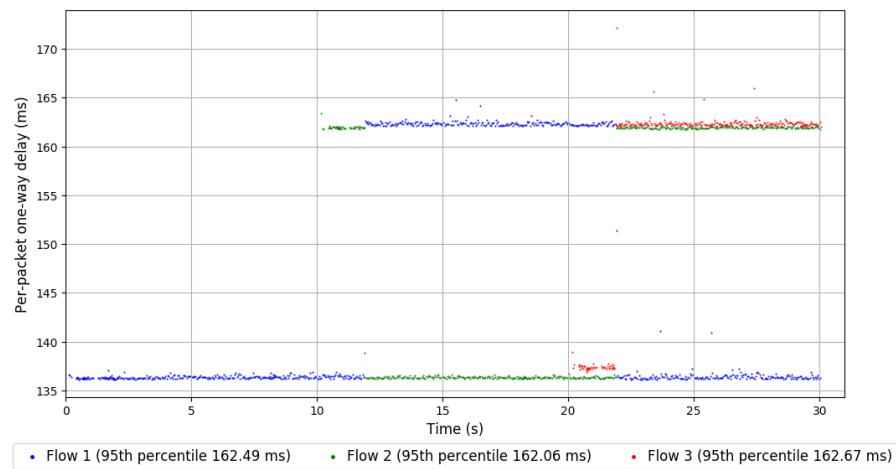
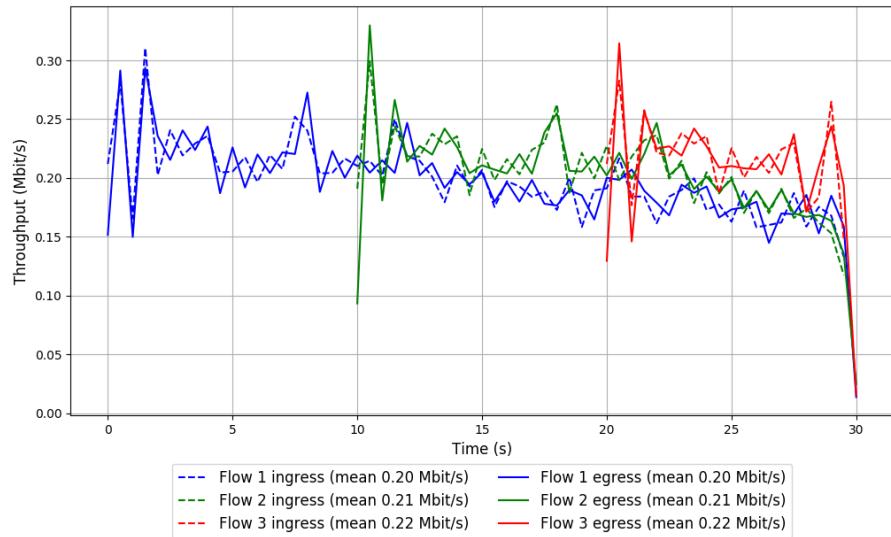


```
Run 1: Statistics of SCReAM

Start at: 2018-01-03 09:25:10
End at: 2018-01-03 09:25:40

# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 162.488 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 162.490 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 162.058 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 162.666 ms
Loss rate: 0.32%
```

Run 1: Report of SCReAM — Data Link



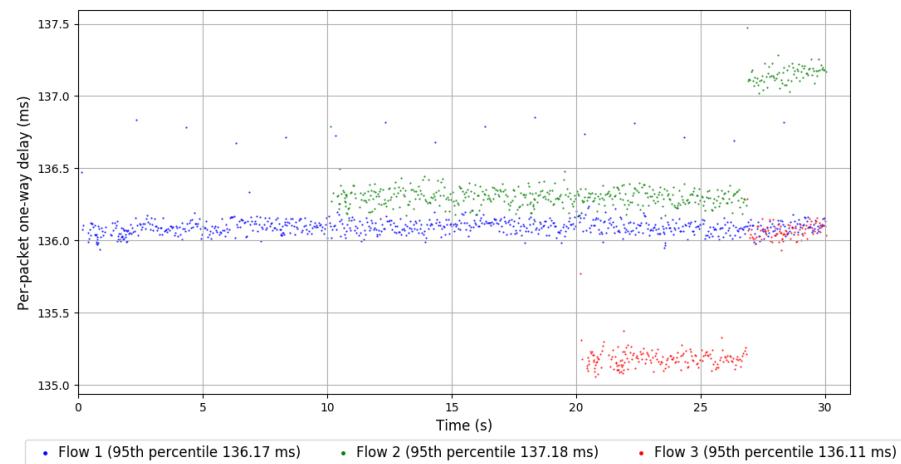
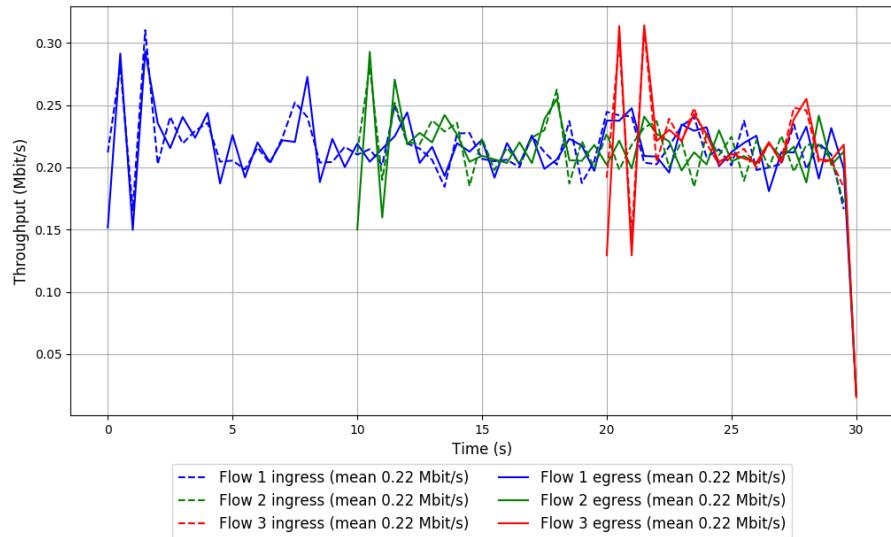
Run 2: Statistics of SCReAM

Start at: 2018-01-03 09:40:45

End at: 2018-01-03 09:41:15

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.033 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.171 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.180 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.112 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link



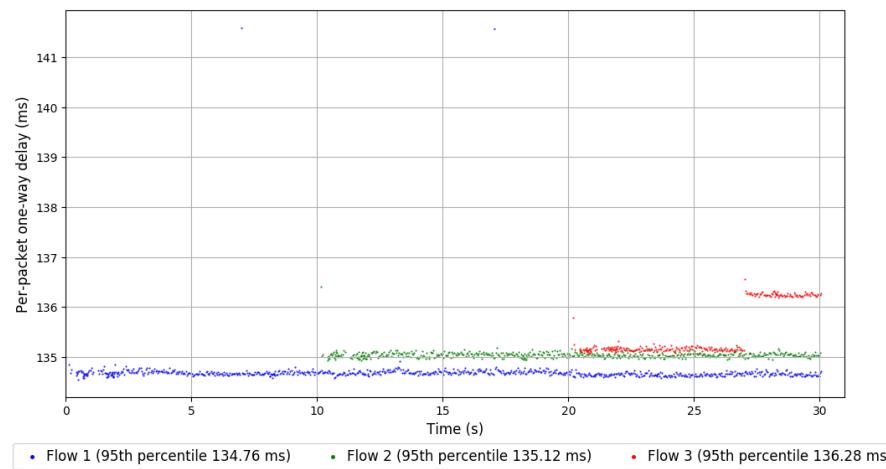
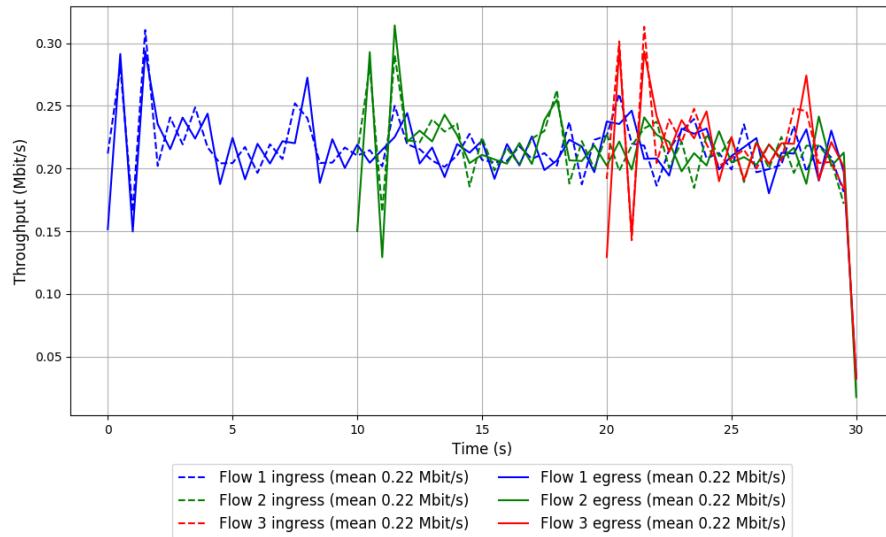
Run 3: Statistics of SCReAM

Start at: 2018-01-03 09:56:48

End at: 2018-01-03 09:57:18

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.756 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.120 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.280 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

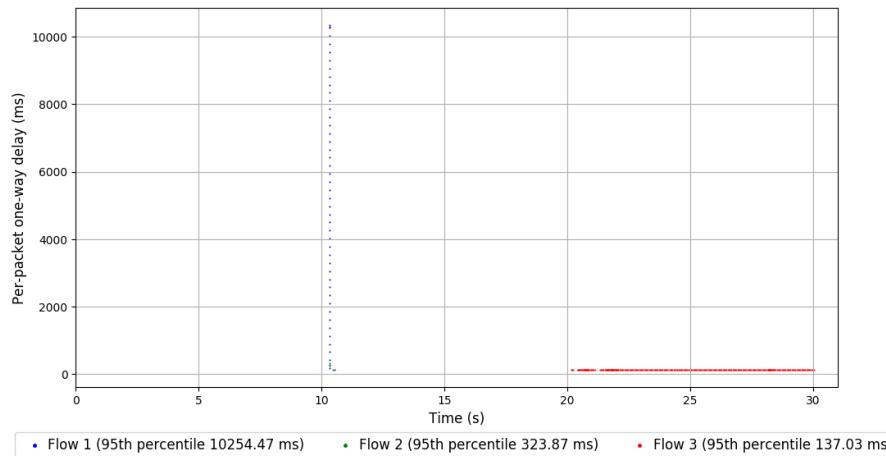
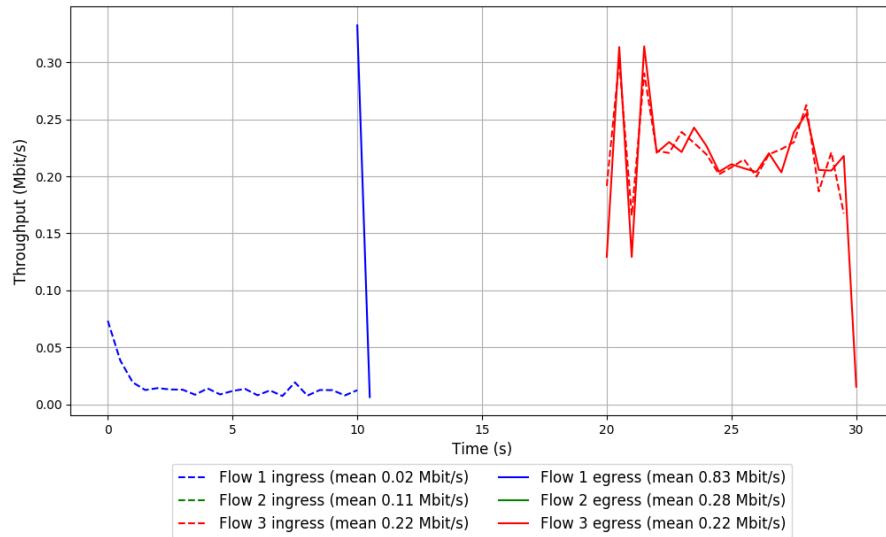


Run 4: Statistics of SCReAM

Start at: 2018-01-03 10:13:02

End at: 2018-01-03 10:13:32

Run 4: Report of SCReAM — Data Link

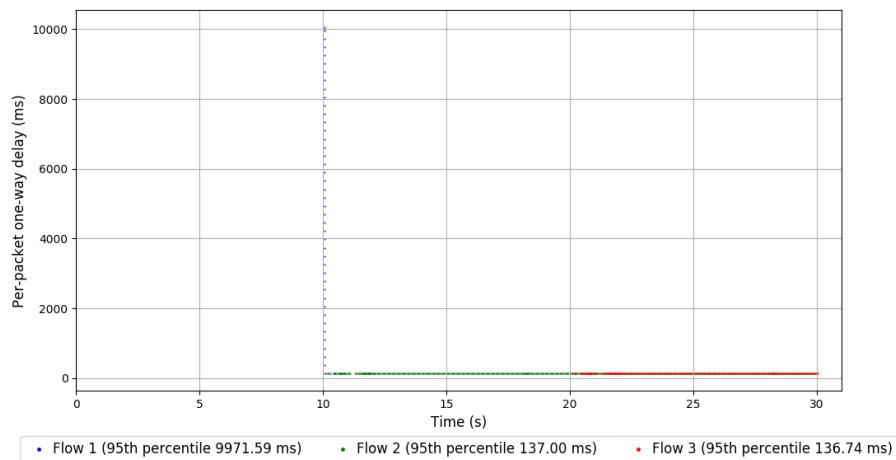
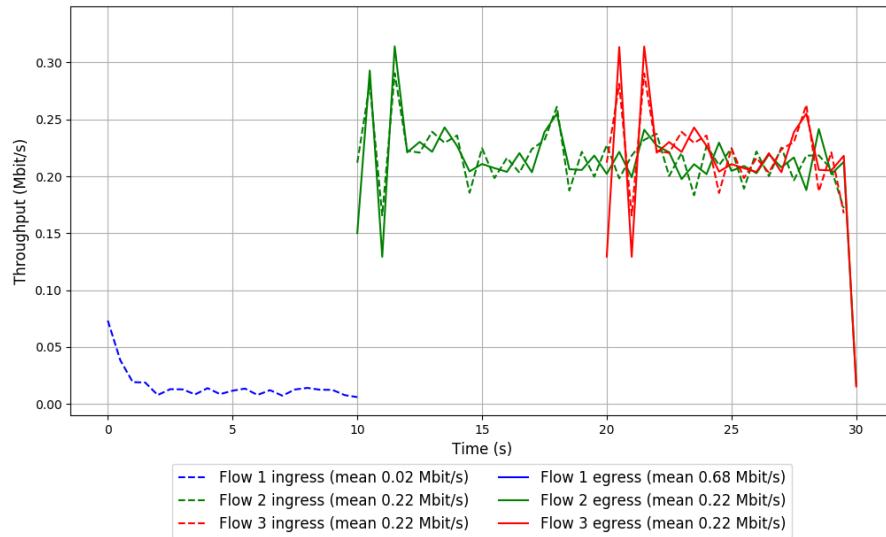


Run 5: Statistics of SCReAM

Start at: 2018-01-03 10:28:24

End at: 2018-01-03 10:28:54

Run 5: Report of SCReAM — Data Link

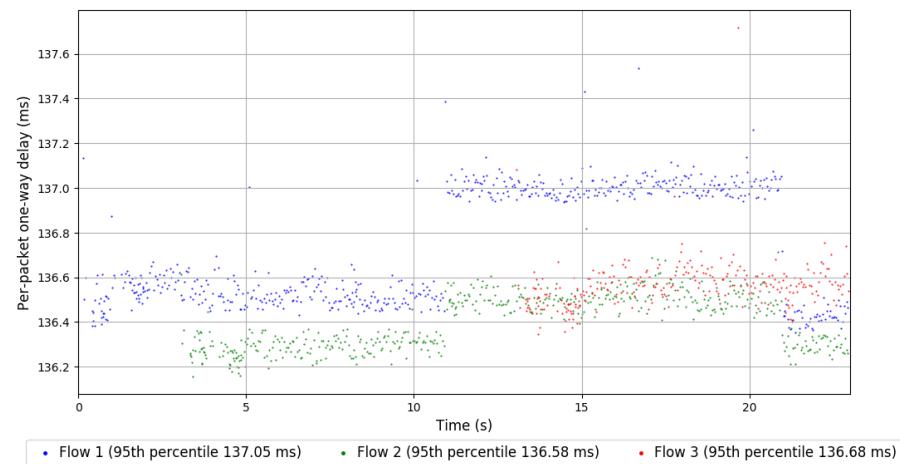
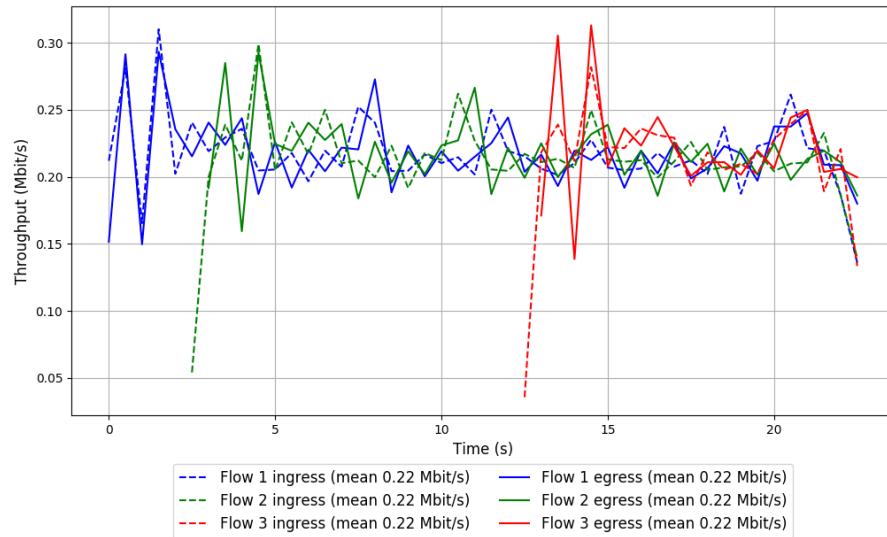


Run 6: Statistics of SCReAM

Start at: 2018-01-03 10:44:37

End at: 2018-01-03 10:45:07

Run 6: Report of SCReAM — Data Link

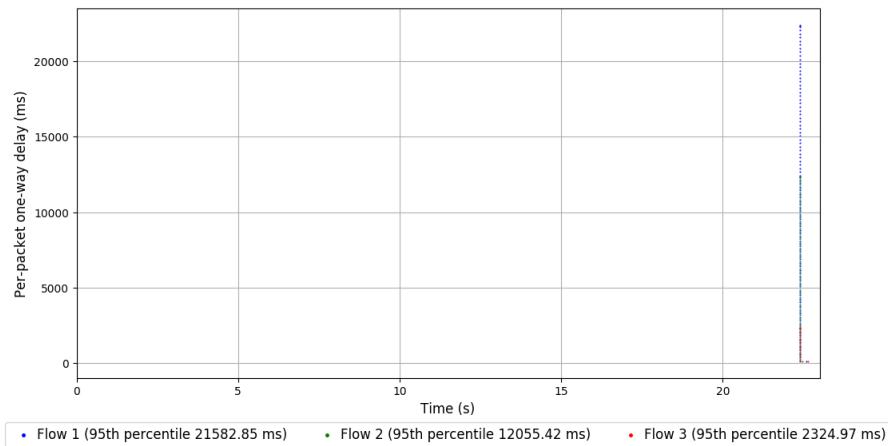
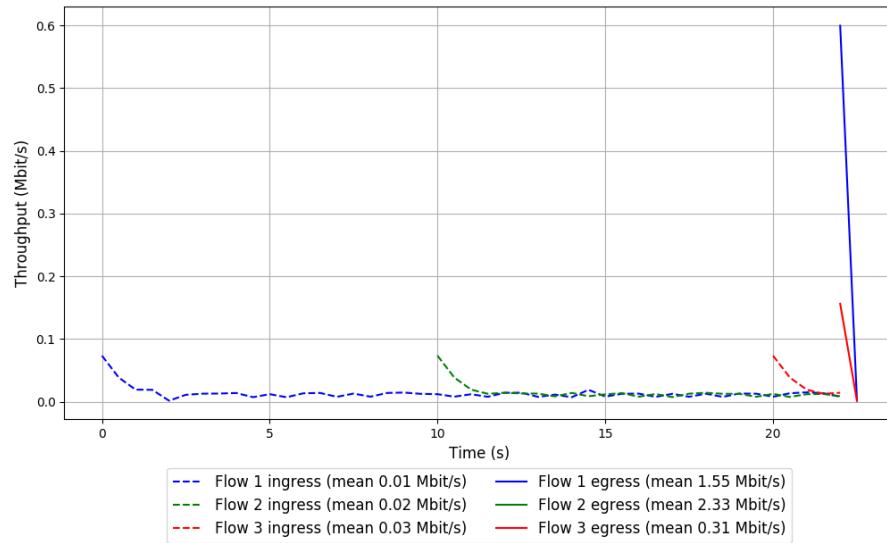


Run 7: Statistics of SCReAM

Start at: 2018-01-03 11:00:35

End at: 2018-01-03 11:01:05

Run 7: Report of SCReAM — Data Link

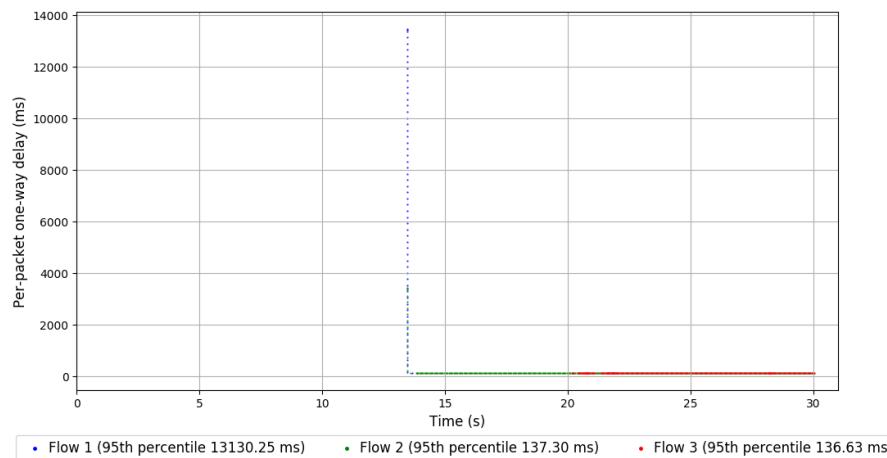
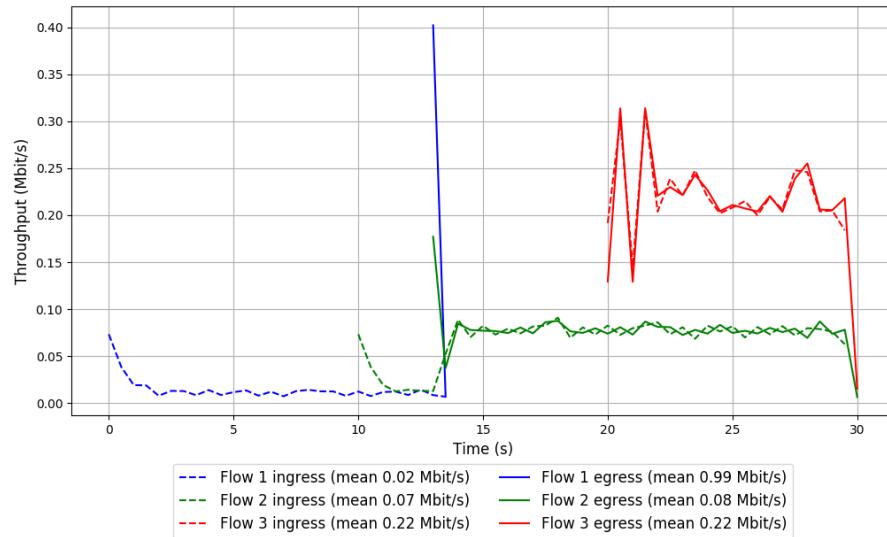


Run 8: Statistics of SCReAM

Start at: 2018-01-03 11:16:46

End at: 2018-01-03 11:17:16

Run 8: Report of SCReAM — Data Link



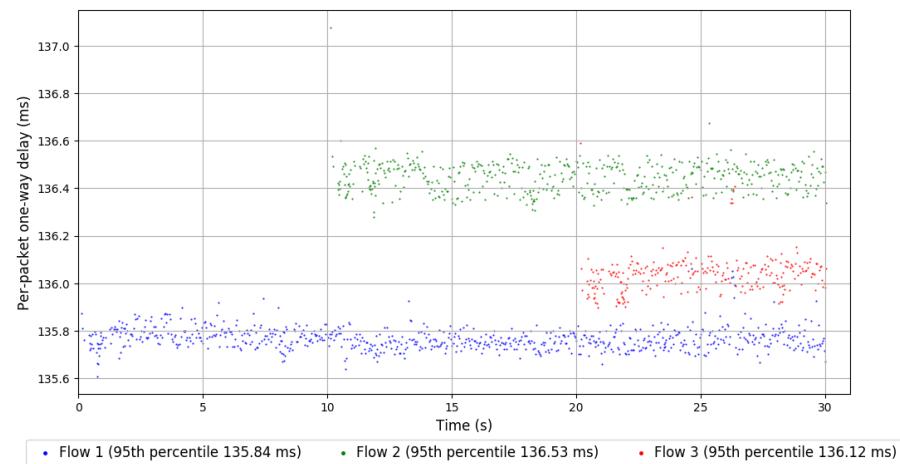
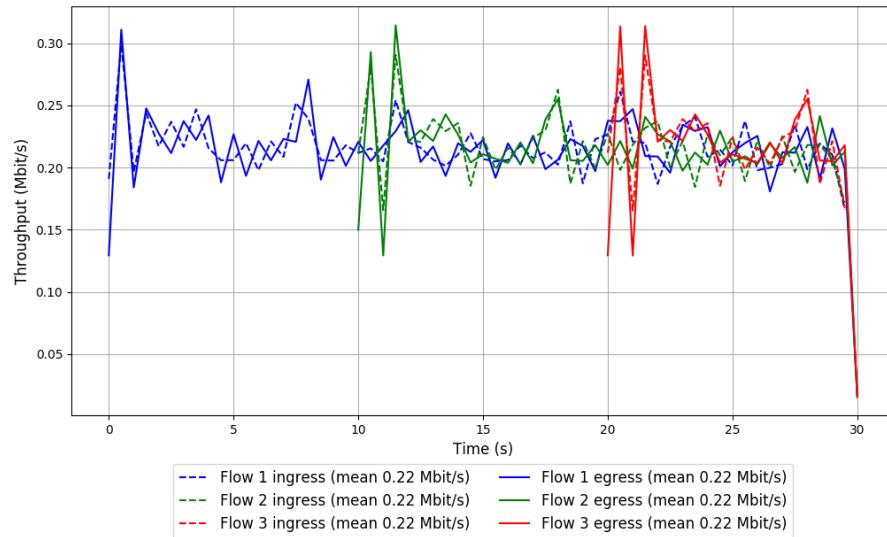
```
Run 9: Statistics of SCReAM
```

```
Start at: 2018-01-03 11:32:17
```

```
End at: 2018-01-03 11:32:47
```

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.843 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.525 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.115 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link



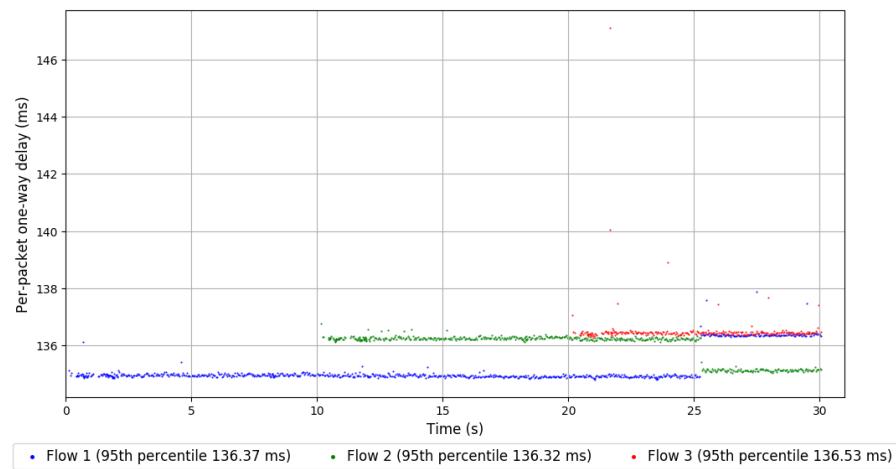
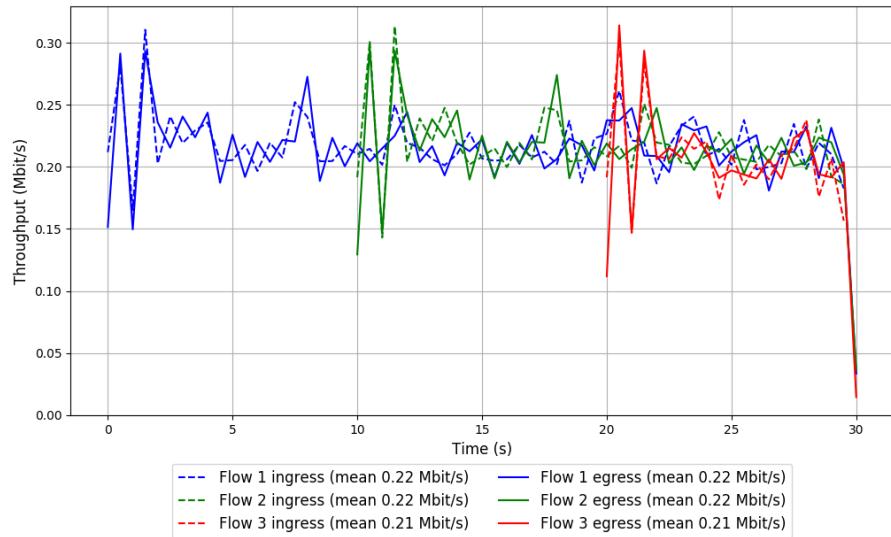
Run 10: Statistics of SCReAM

Start at: 2018-01-03 11:48:10

End at: 2018-01-03 11:48:40

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 136.468 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.373 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.324 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 136.534 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

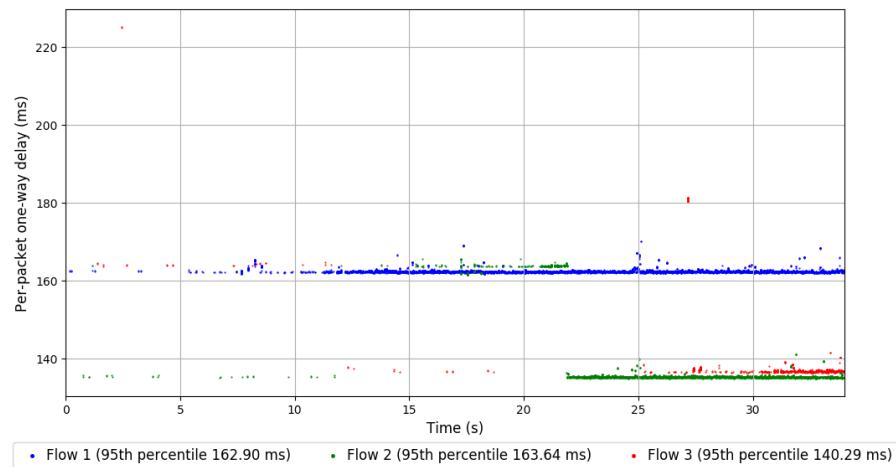
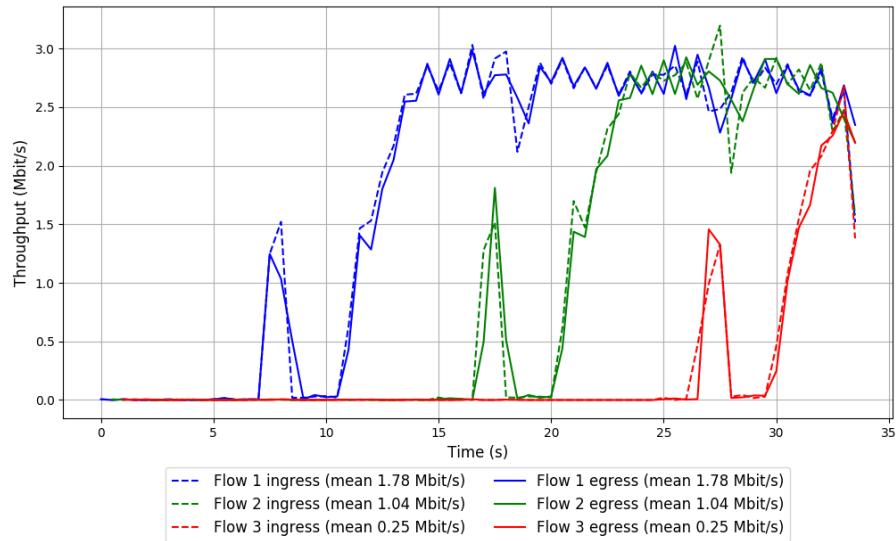


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-03 09:21:44
End at: 2018-01-03 09:22:14

# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 163.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 162.901 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 163.641 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 140.294 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



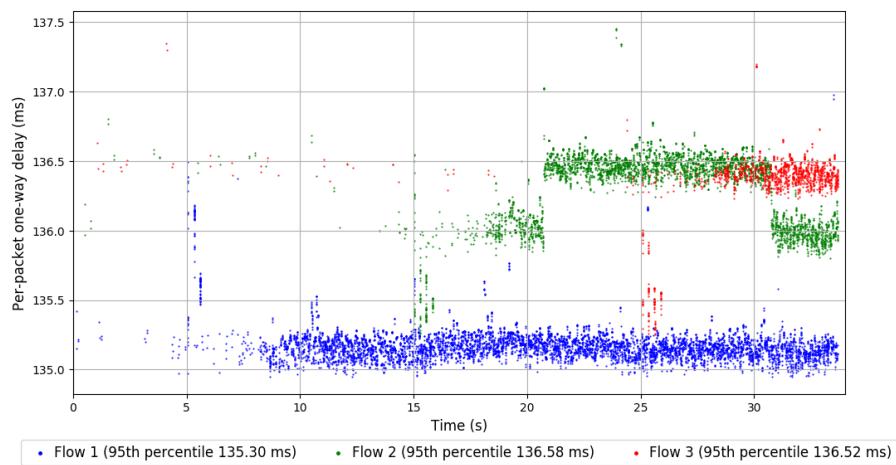
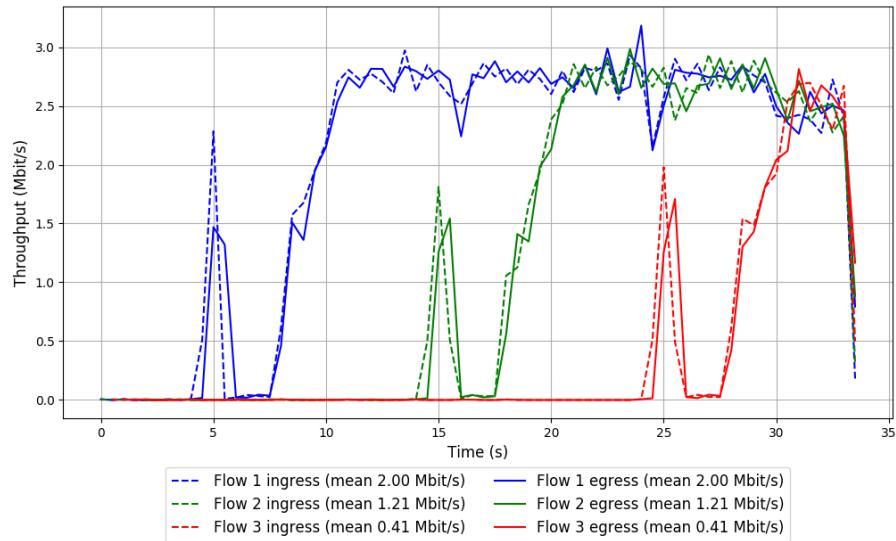
Run 2: Statistics of WebRTC media

Start at: 2018-01-03 09:37:18

End at: 2018-01-03 09:37:48

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 136.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 135.297 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 136.580 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 136.524 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link



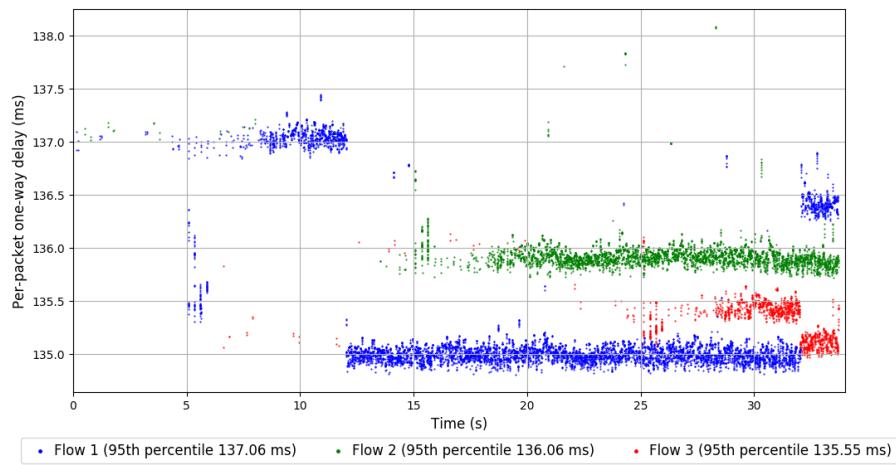
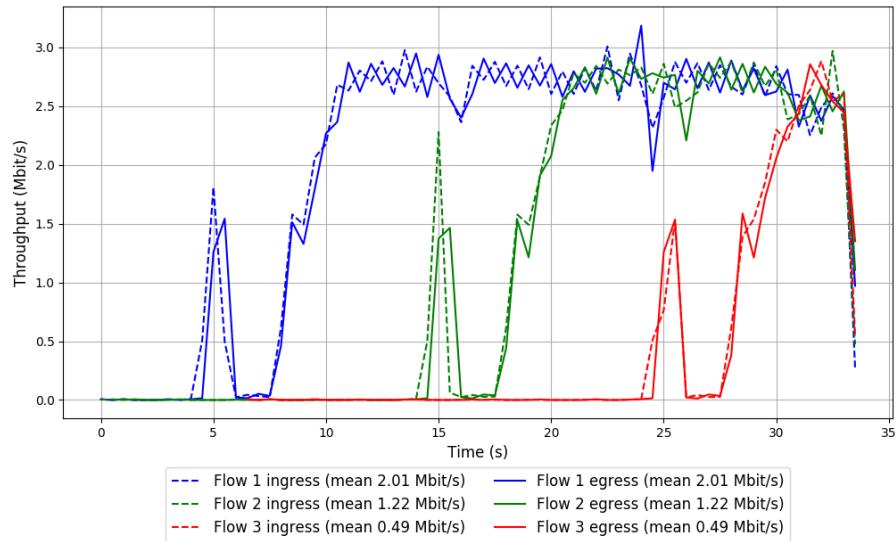
Run 3: Statistics of WebRTC media

Start at: 2018-01-03 09:53:17

End at: 2018-01-03 09:53:47

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 137.012 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 137.062 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 136.060 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 135.554 ms
Loss rate: 0.07%
```

Run 3: Report of WebRTC media — Data Link

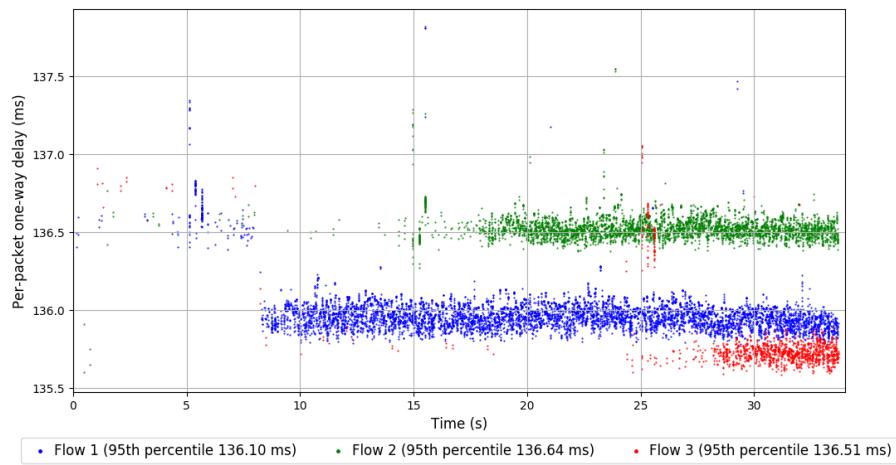
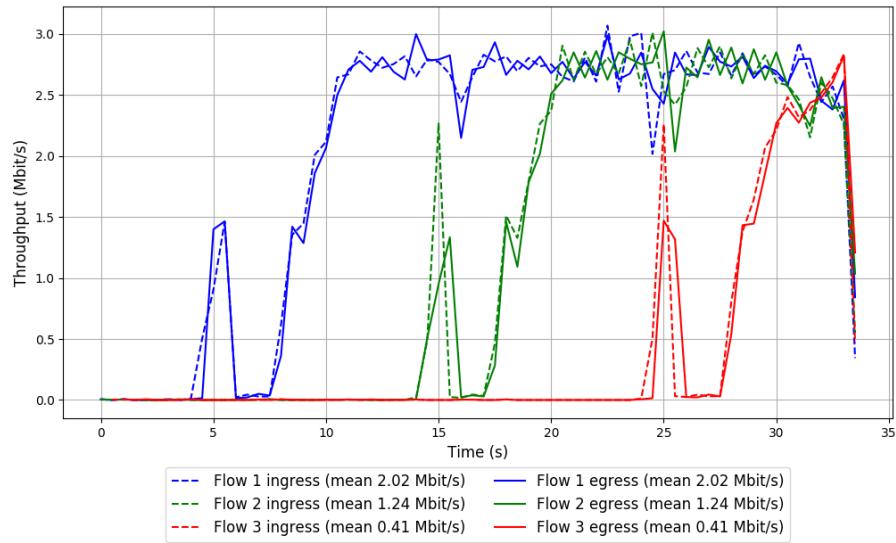


```
Run 4: Statistics of WebRTC media

Start at: 2018-01-03 10:09:17
End at: 2018-01-03 10:09:47

# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 136.598 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 136.097 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 136.640 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 136.509 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



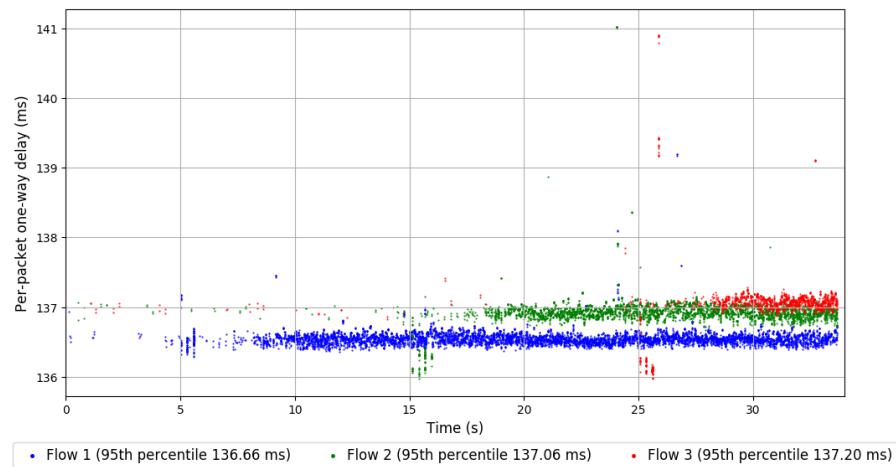
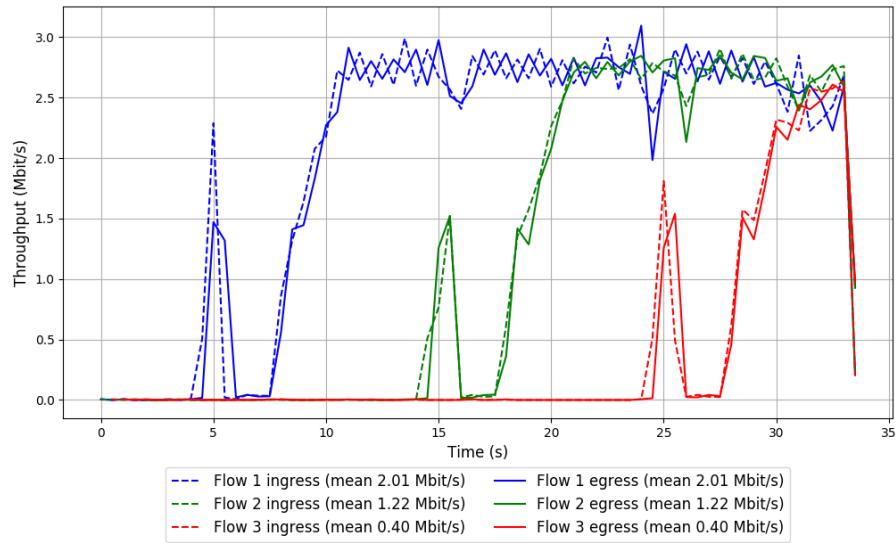
Run 5: Statistics of WebRTC media

Start at: 2018-01-03 10:24:41

End at: 2018-01-03 10:25:11

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 137.095 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 136.663 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 137.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 137.196 ms
Loss rate: 0.07%
```

Run 5: Report of WebRTC media — Data Link



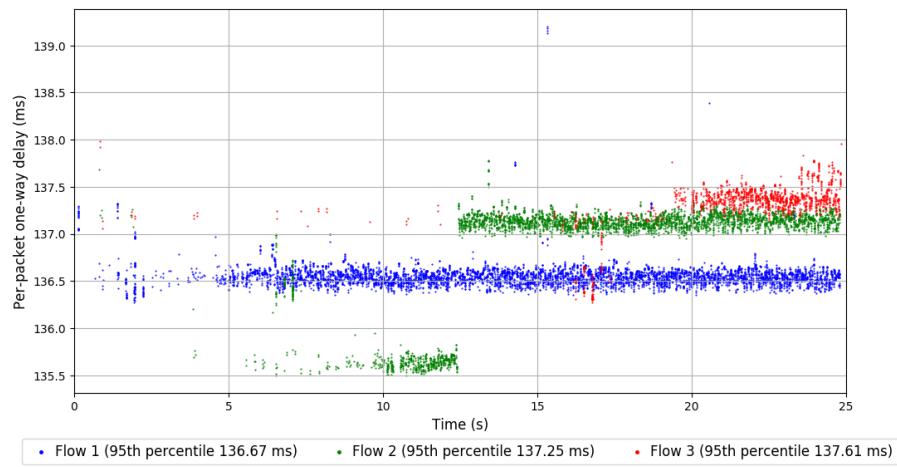
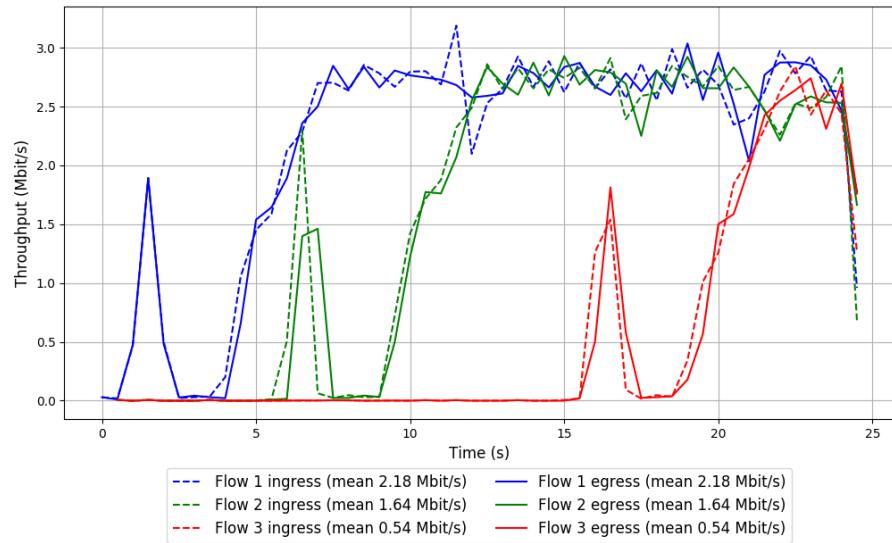
Run 6: Statistics of WebRTC media

Start at: 2018-01-03 10:40:47

End at: 2018-01-03 10:41:17

```
# Below is generated by plot.py at 2018-01-03 13:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 137.391 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 136.667 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 137.246 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 137.609 ms
Loss rate: 0.52%
```

Run 6: Report of WebRTC media — Data Link

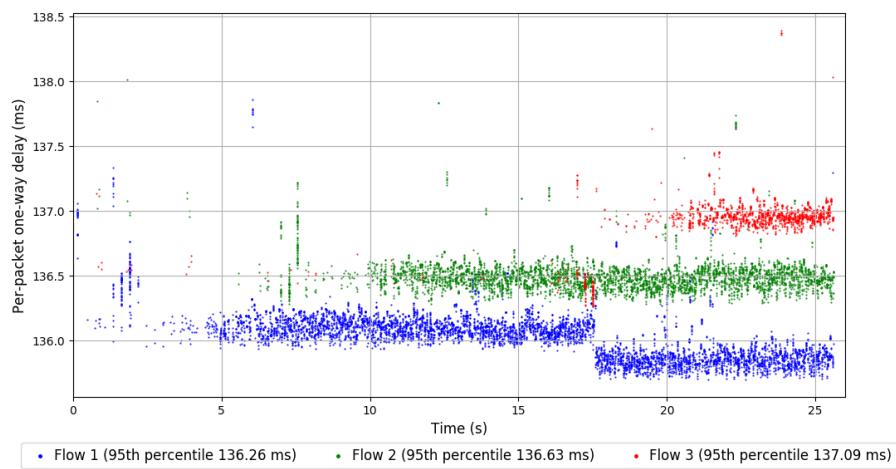
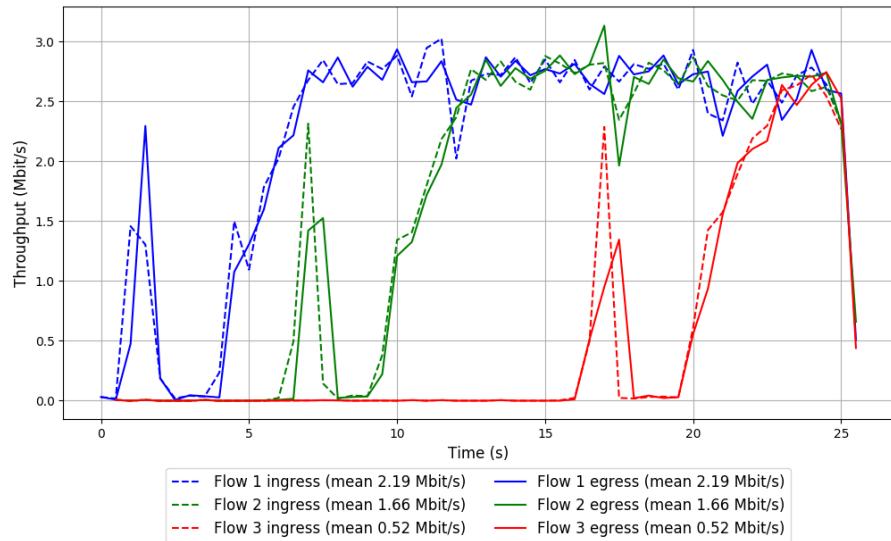


```
Run 7: Statistics of WebRTC media

Start at: 2018-01-03 10:57:03
End at: 2018-01-03 10:57:33

# Below is generated by plot.py at 2018-01-03 13:21:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 136.972 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 136.260 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 136.631 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 137.089 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

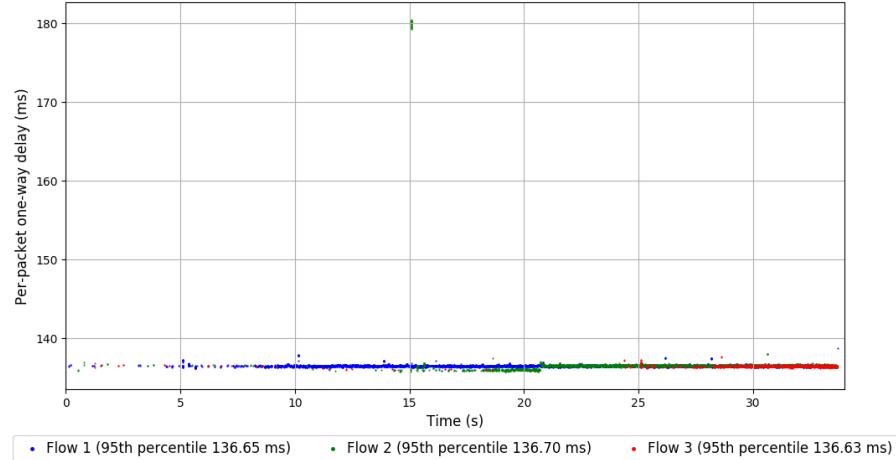
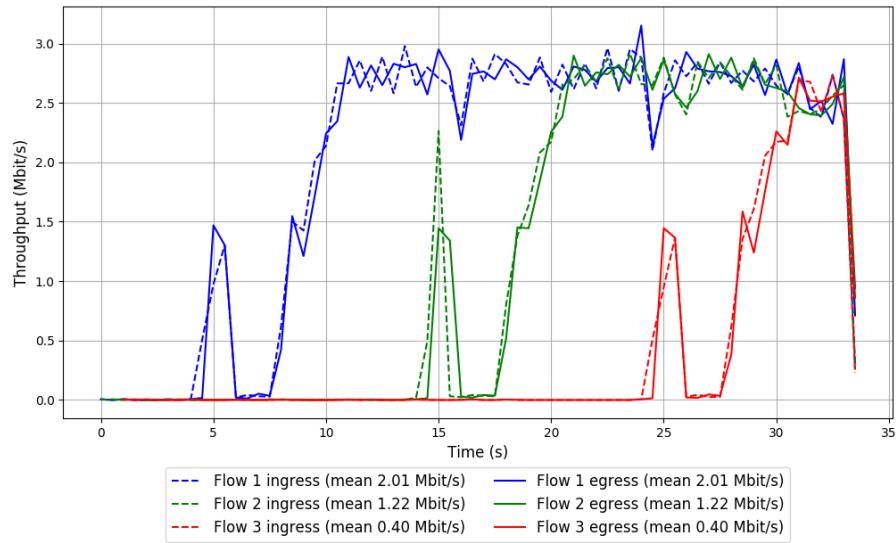


```
Run 8: Statistics of WebRTC media

Start at: 2018-01-03 11:13:05
End at: 2018-01-03 11:13:35

# Below is generated by plot.py at 2018-01-03 13:21:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 136.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 136.651 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 136.699 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 136.631 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

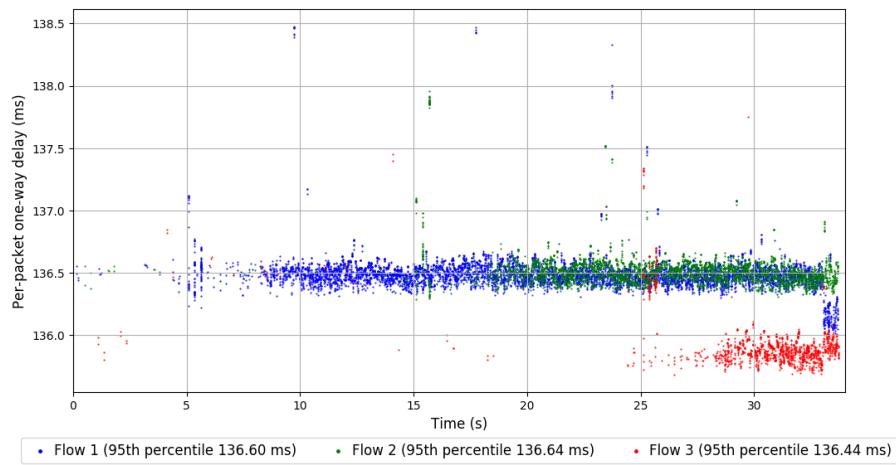
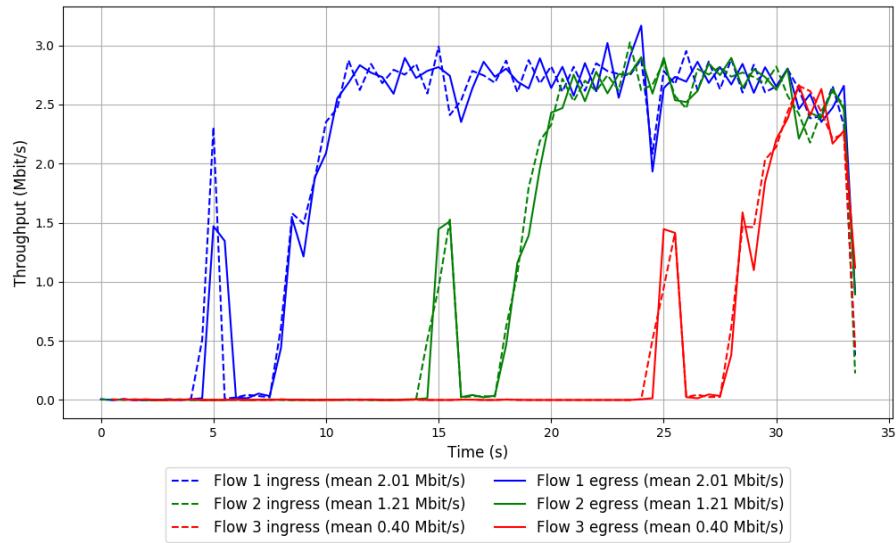


```
Run 9: Statistics of WebRTC media

Start at: 2018-01-03 11:28:36
End at: 2018-01-03 11:29:06

# Below is generated by plot.py at 2018-01-03 13:21:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 136.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 136.602 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 136.637 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 136.444 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

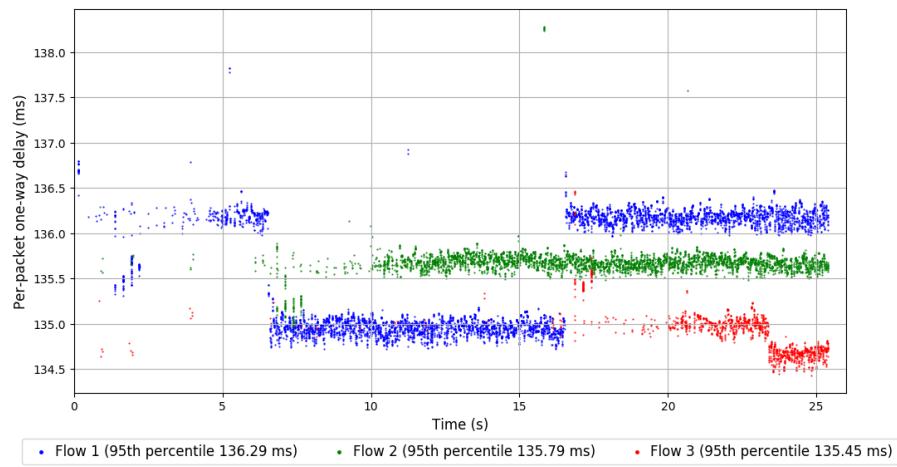
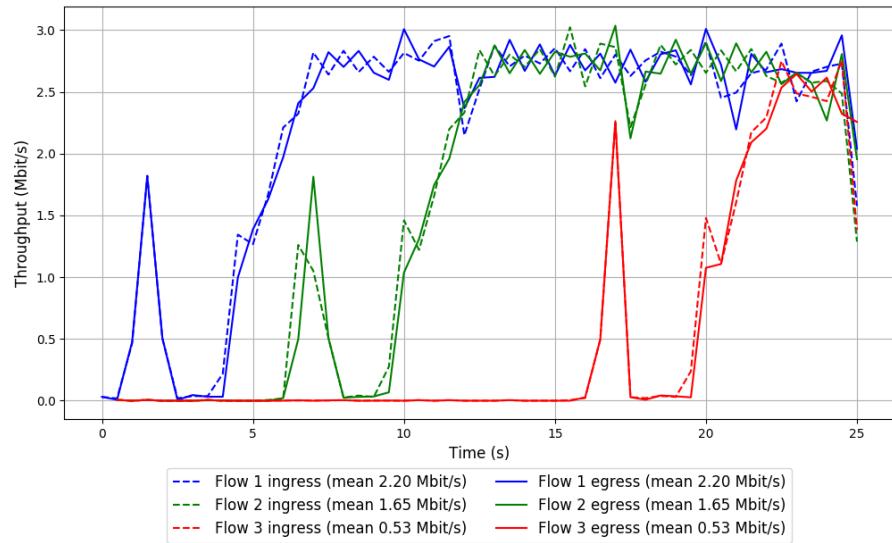


```
Run 10: Statistics of WebRTC media

Start at: 2018-01-03 11:44:44
End at: 2018-01-03 11:45:14

# Below is generated by plot.py at 2018-01-03 13:21:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 136.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 136.289 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 135.793 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 135.454 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link



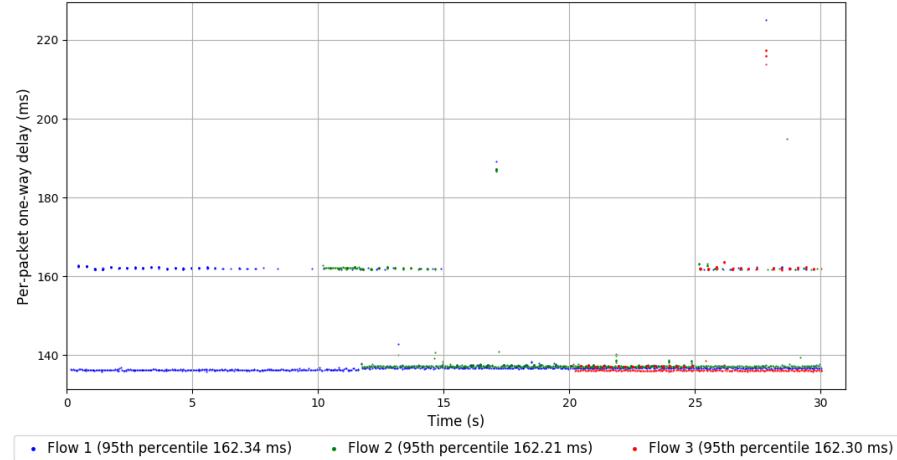
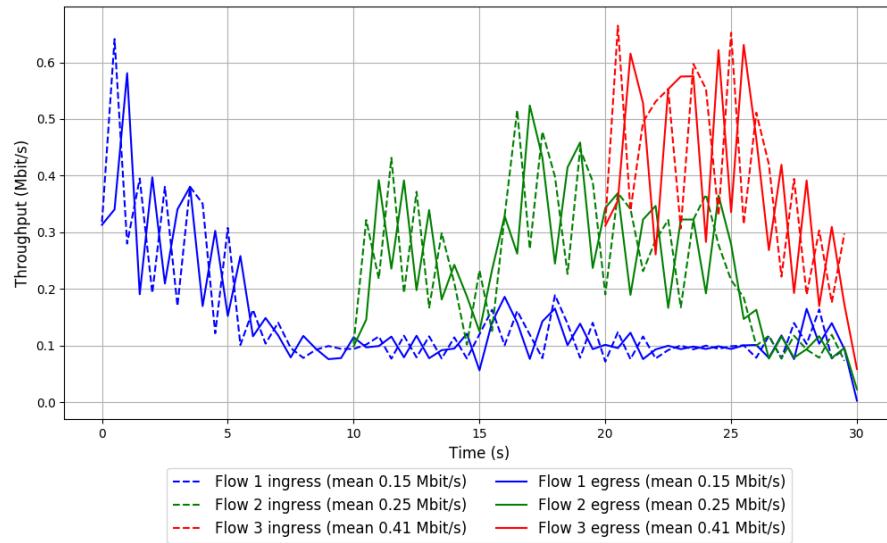
Run 1: Statistics of Sprout

Start at: 2018-01-03 09:24:20

End at: 2018-01-03 09:24:50

```
# Below is generated by plot.py at 2018-01-03 13:21:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 162.269 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 162.335 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 162.214 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 162.298 ms
Loss rate: 0.87%
```

Run 1: Report of Sprout — Data Link



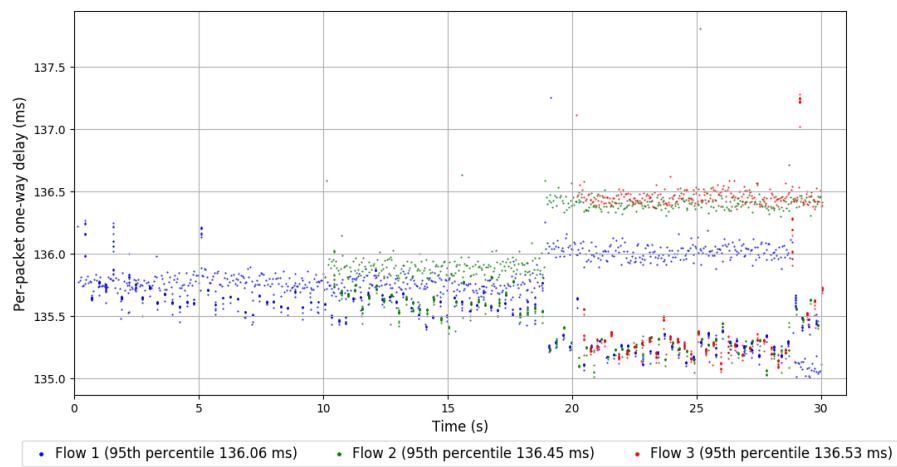
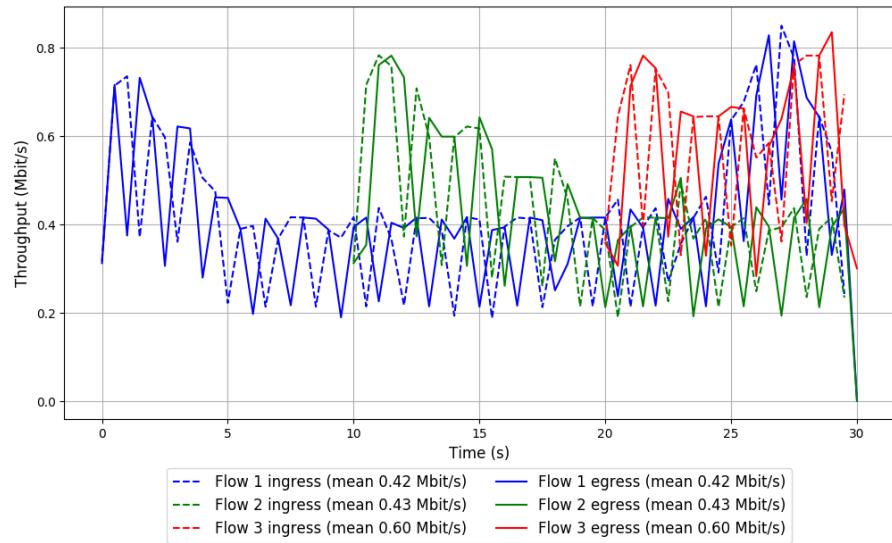
Run 2: Statistics of Sprout

Start at: 2018-01-03 09:39:56

End at: 2018-01-03 09:40:26

```
# Below is generated by plot.py at 2018-01-03 13:21:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 136.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 136.056 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 136.450 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 136.529 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link



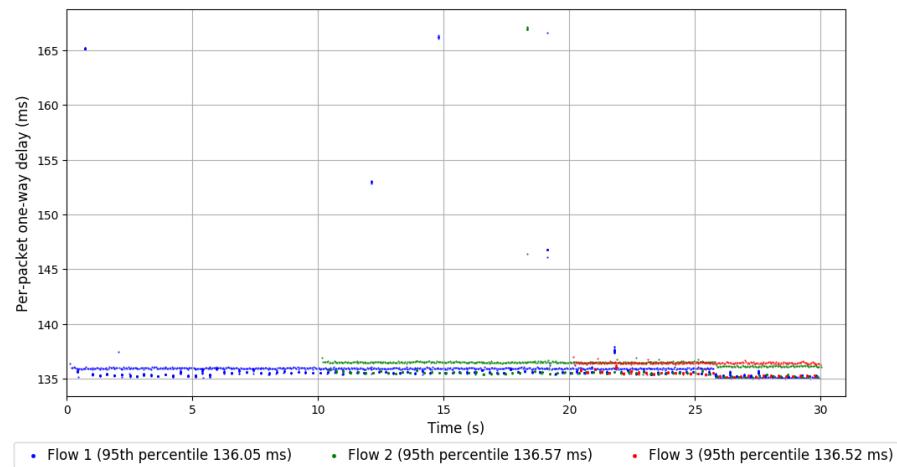
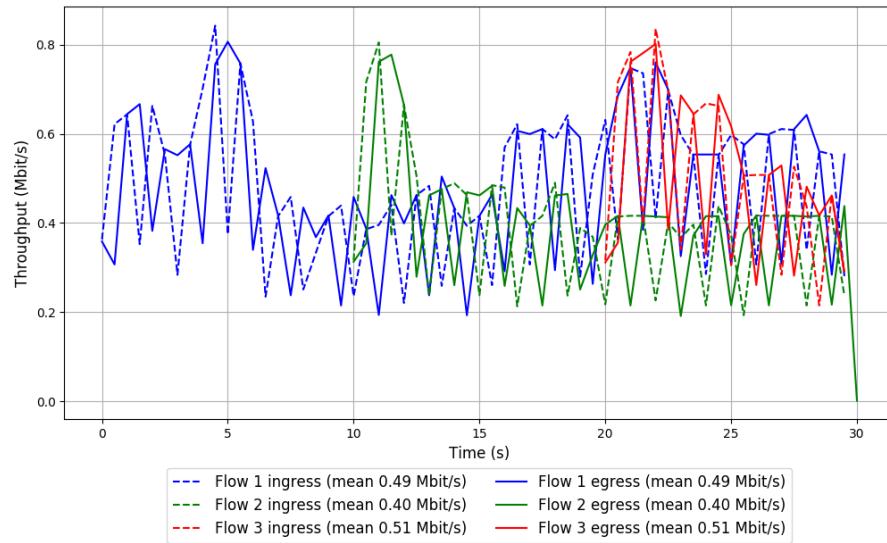
Run 3: Statistics of Sprout

Start at: 2018-01-03 09:55:59

End at: 2018-01-03 09:56:29

```
# Below is generated by plot.py at 2018-01-03 13:21:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 136.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 136.050 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 136.573 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 136.521 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link



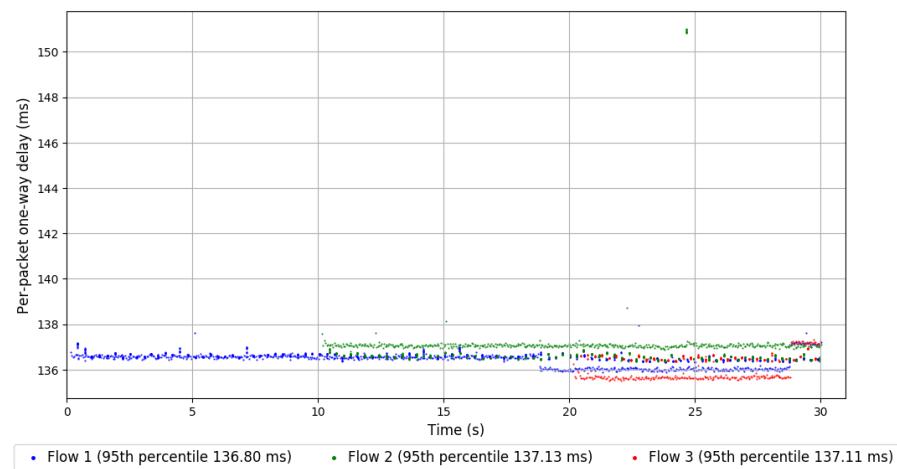
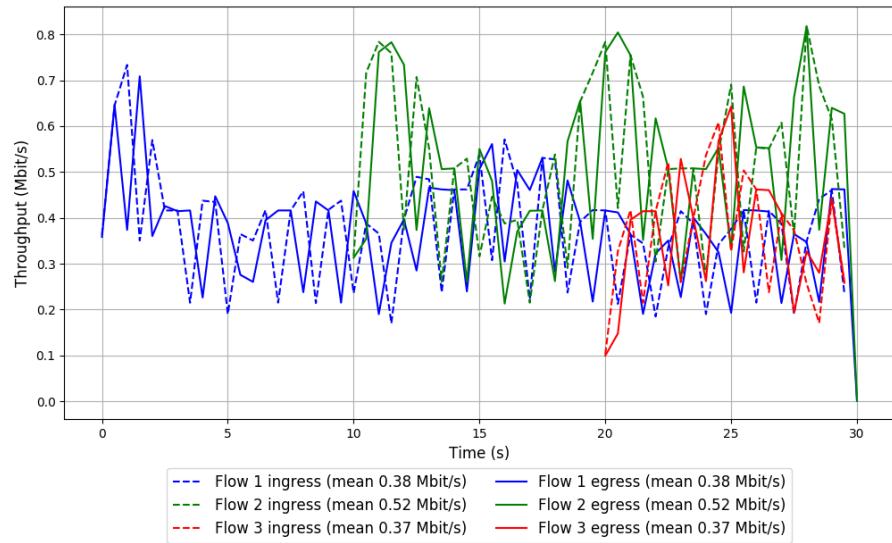
Run 4: Statistics of Sprout

Start at: 2018-01-03 10:12:13

End at: 2018-01-03 10:12:43

```
# Below is generated by plot.py at 2018-01-03 13:21:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 137.102 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 136.802 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 137.130 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 137.110 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



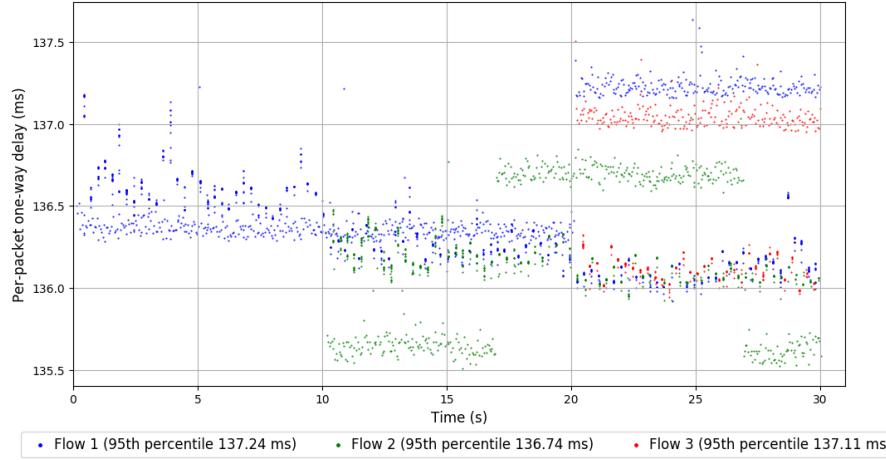
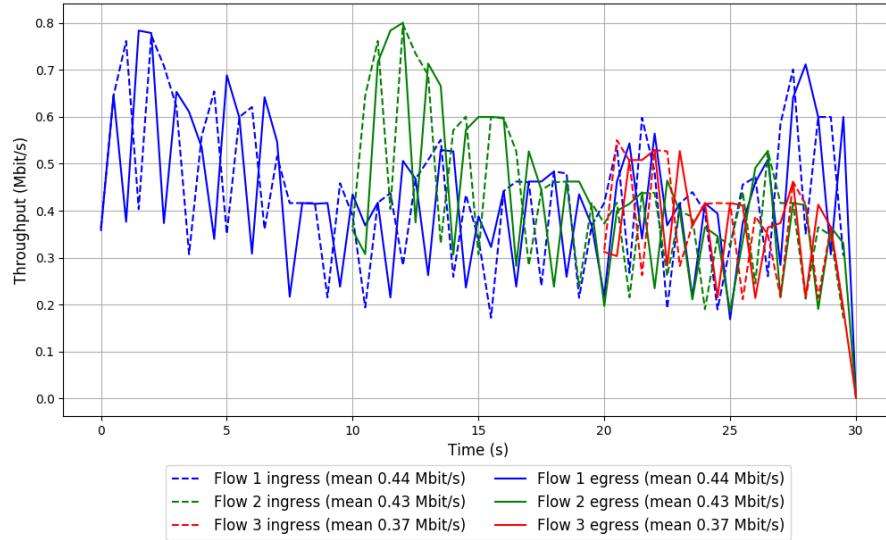
Run 5: Statistics of Sprout

Start at: 2018-01-03 10:27:35

End at: 2018-01-03 10:28:05

```
# Below is generated by plot.py at 2018-01-03 13:21:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 137.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.237 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 136.737 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 137.113 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



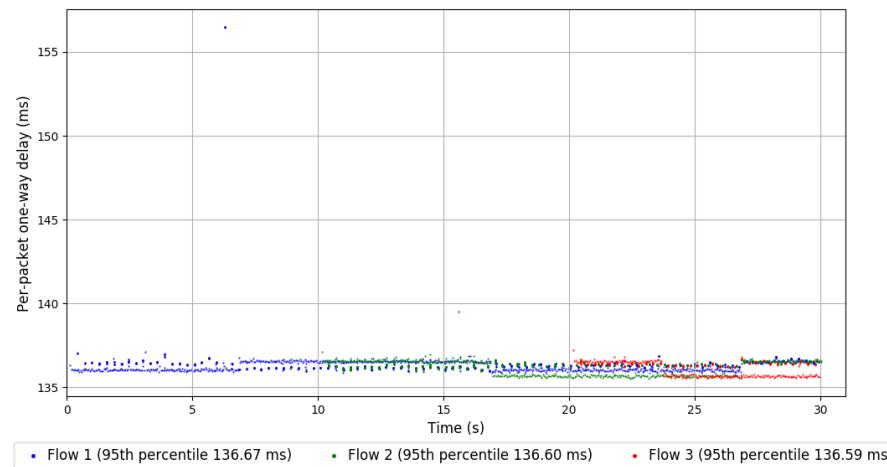
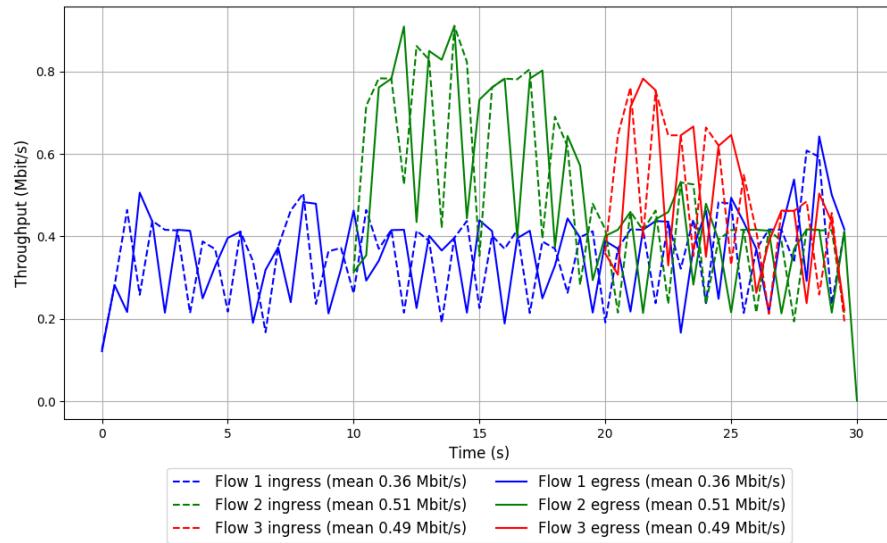
Run 6: Statistics of Sprout

Start at: 2018-01-03 10:43:48

End at: 2018-01-03 10:44:18

```
# Below is generated by plot.py at 2018-01-03 13:21:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 136.614 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.667 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 136.603 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 136.590 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link



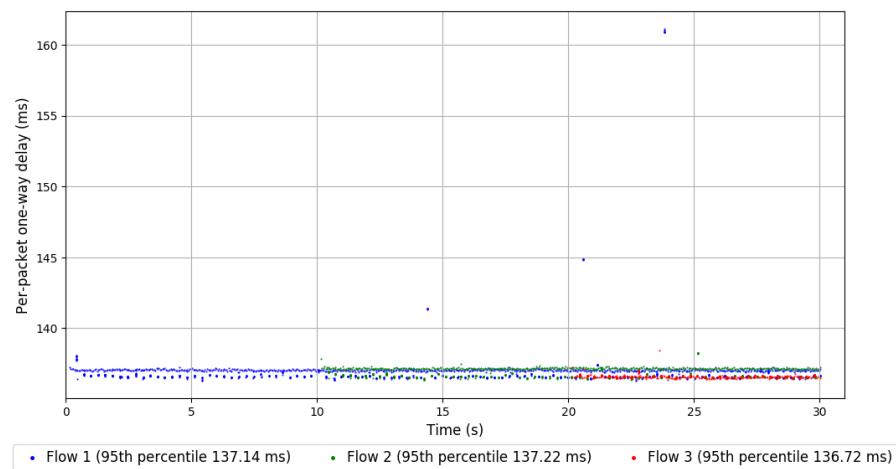
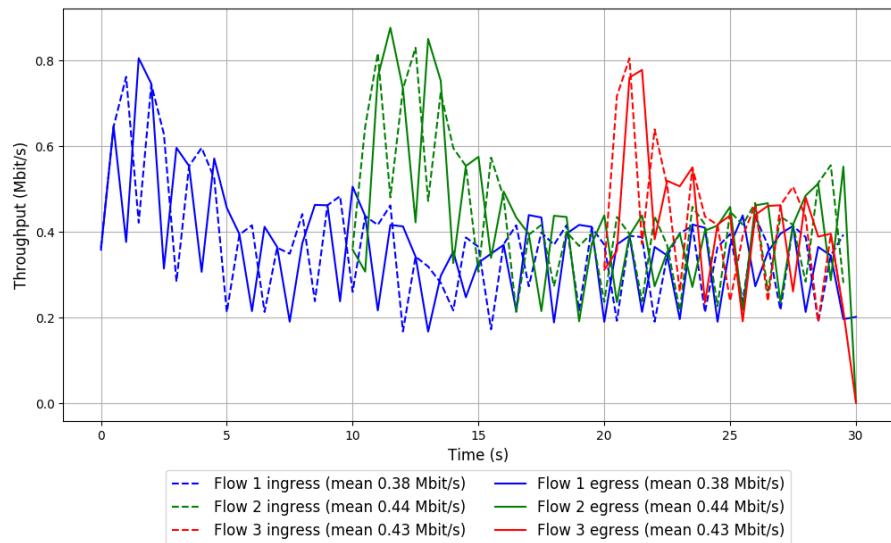
Run 7: Statistics of Sprout

Start at: 2018-01-03 10:59:46

End at: 2018-01-03 11:00:16

```
# Below is generated by plot.py at 2018-01-03 13:21:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 137.188 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 137.137 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.222 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 136.725 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link



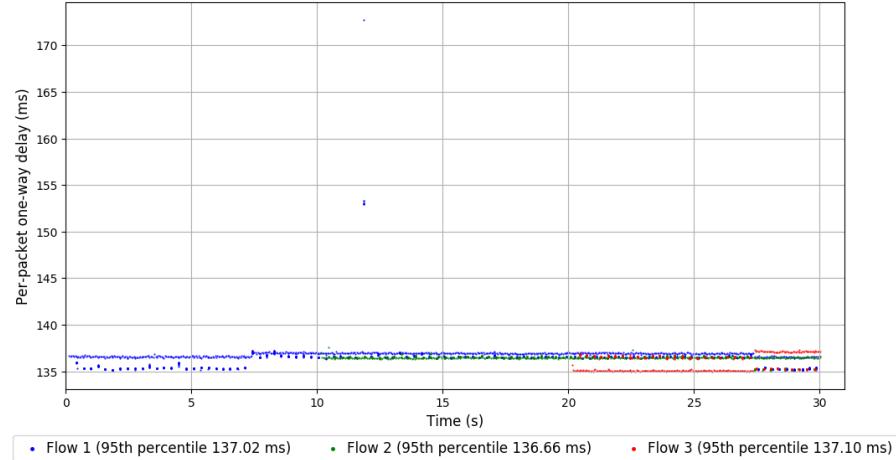
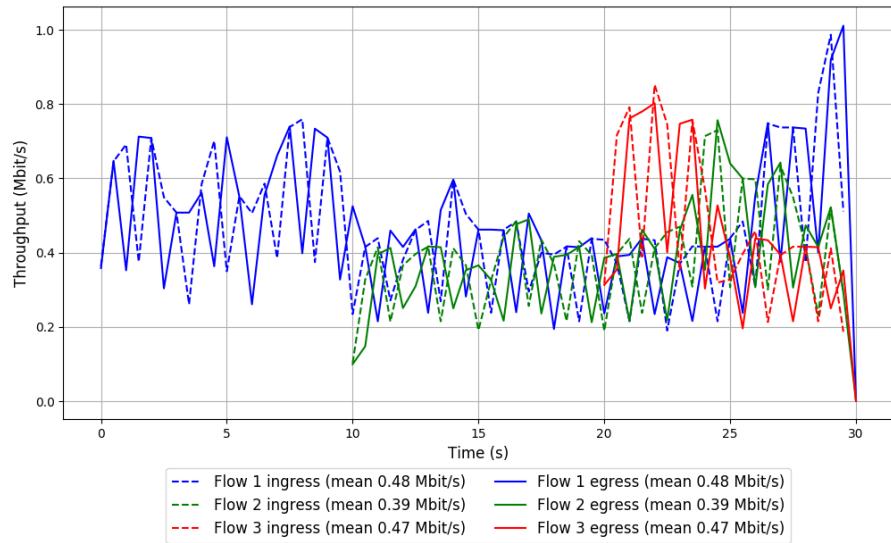
Run 8: Statistics of Sprout

Start at: 2018-01-03 11:15:57

End at: 2018-01-03 11:16:27

```
# Below is generated by plot.py at 2018-01-03 13:21:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 137.002 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 137.016 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 136.662 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 137.105 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link



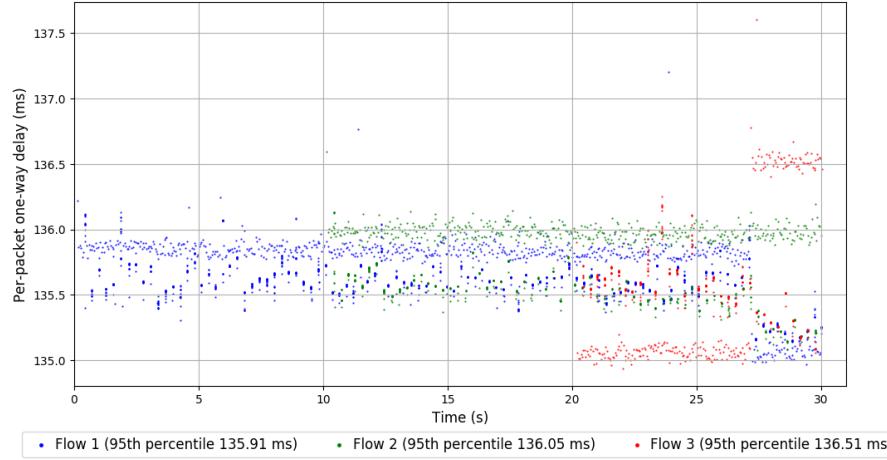
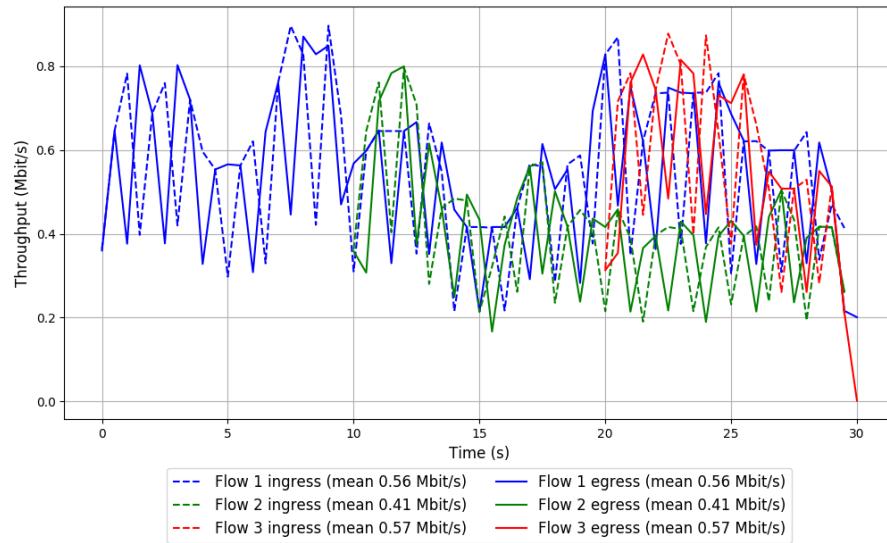
Run 9: Statistics of Sprout

Start at: 2018-01-03 11:31:28

End at: 2018-01-03 11:31:58

```
# Below is generated by plot.py at 2018-01-03 13:21:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 136.030 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 135.907 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 136.048 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 136.513 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link



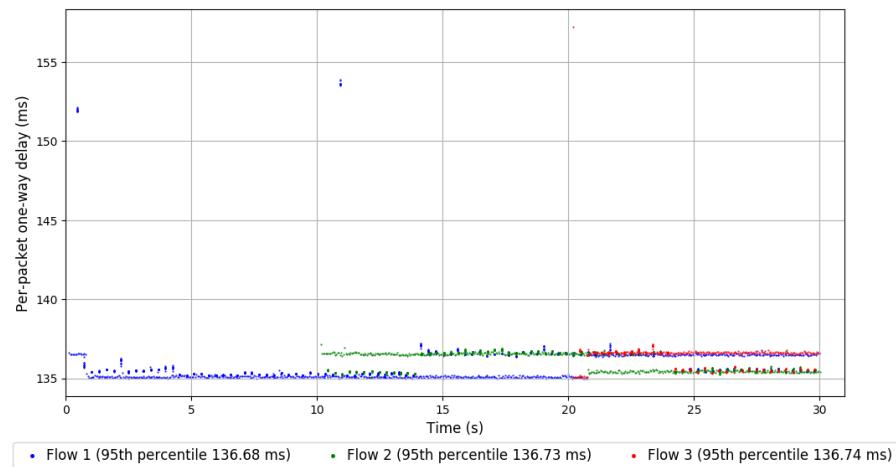
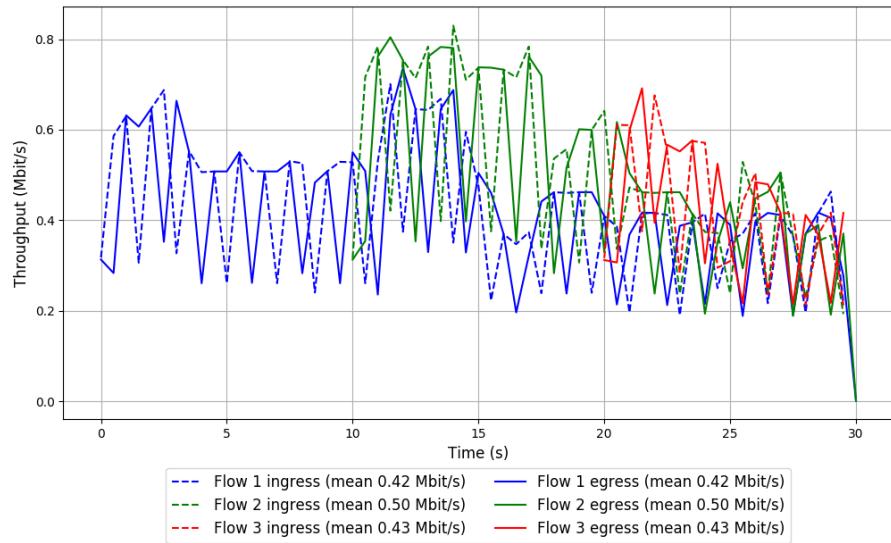
Run 10: Statistics of Sprout

Start at: 2018-01-03 11:47:21

End at: 2018-01-03 11:47:51

```
# Below is generated by plot.py at 2018-01-03 13:21:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 136.720 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 136.680 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 136.729 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 136.744 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link



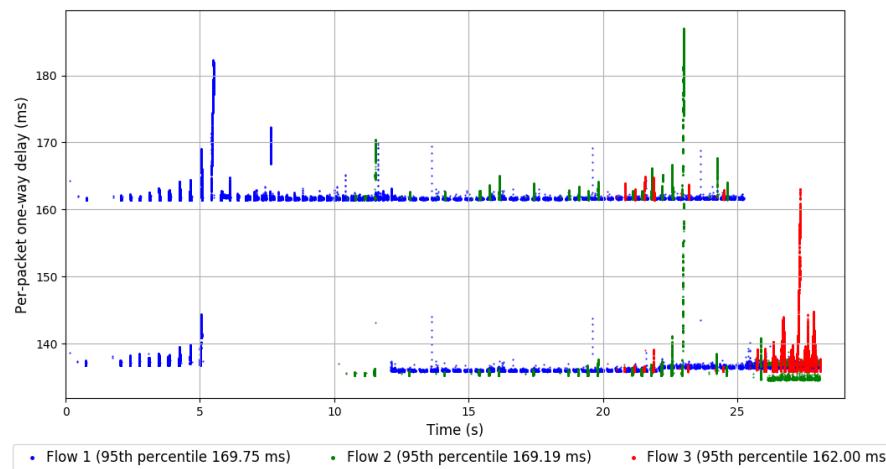
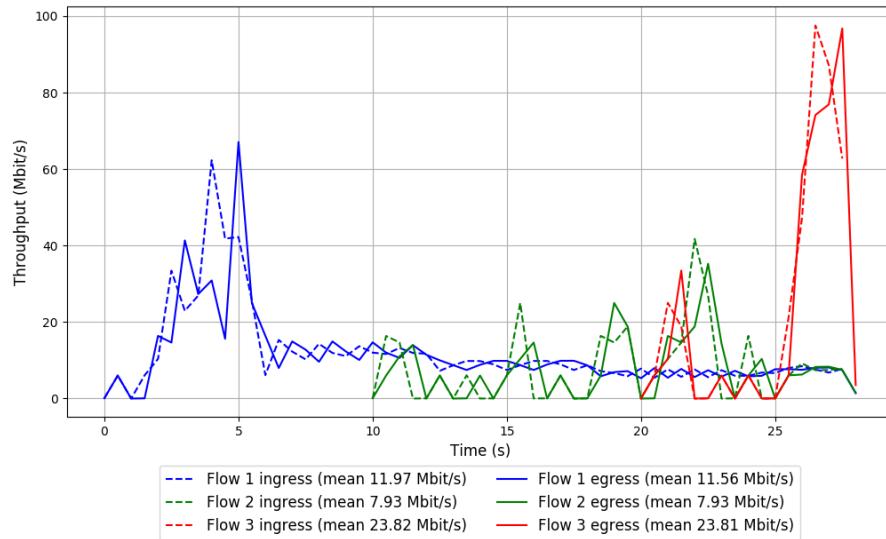
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-03 09:23:28

End at: 2018-01-03 09:23:58

```
# Below is generated by plot.py at 2018-01-03 13:21:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 166.380 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 11.56 Mbit/s
95th percentile per-packet one-way delay: 169.750 ms
Loss rate: 3.45%
-- Flow 2:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 169.188 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 23.81 Mbit/s
95th percentile per-packet one-way delay: 161.997 ms
Loss rate: 0.00%
```

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

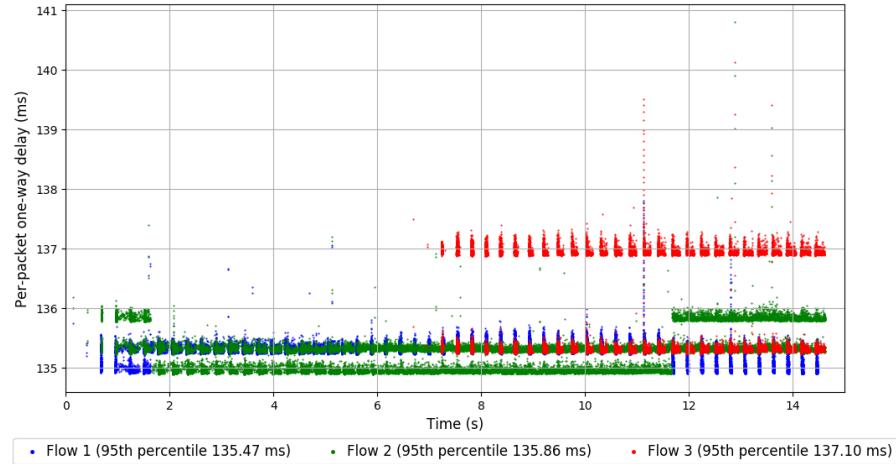
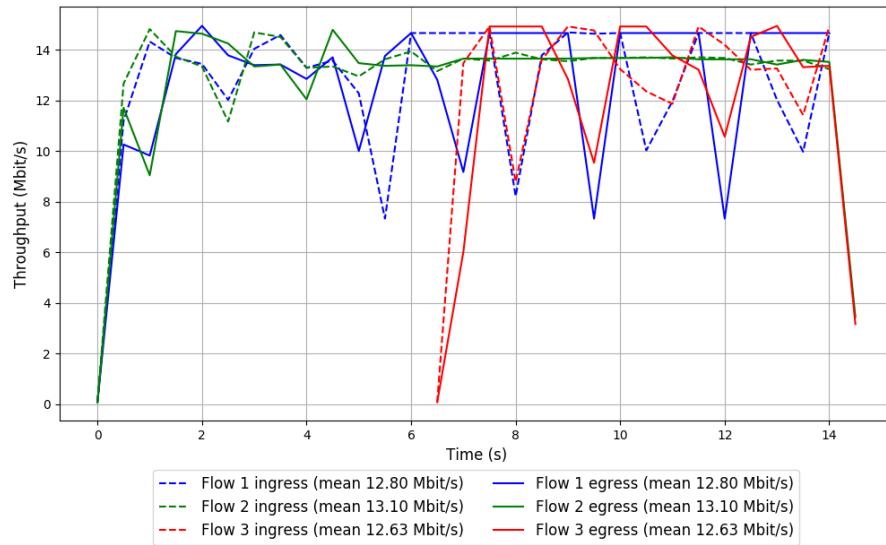


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-03 09:39:05

End at: 2018-01-03 09:39:35

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

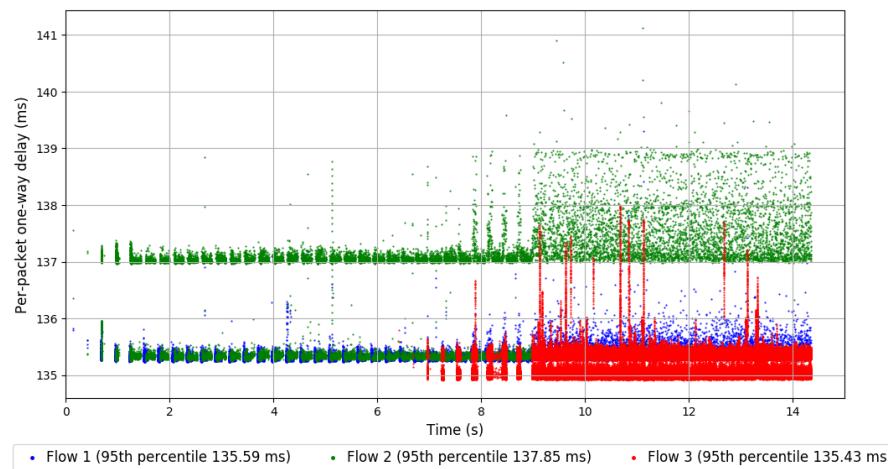
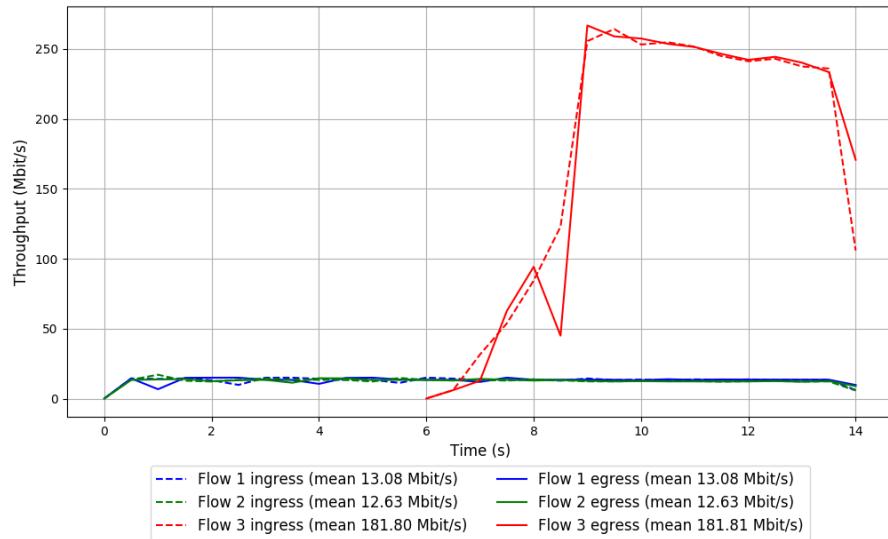


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-03 09:55:03

End at: 2018-01-03 09:55:33

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

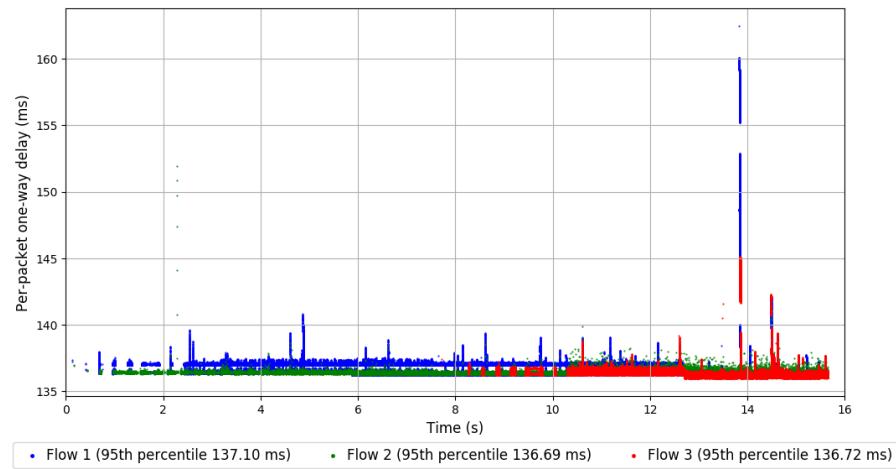
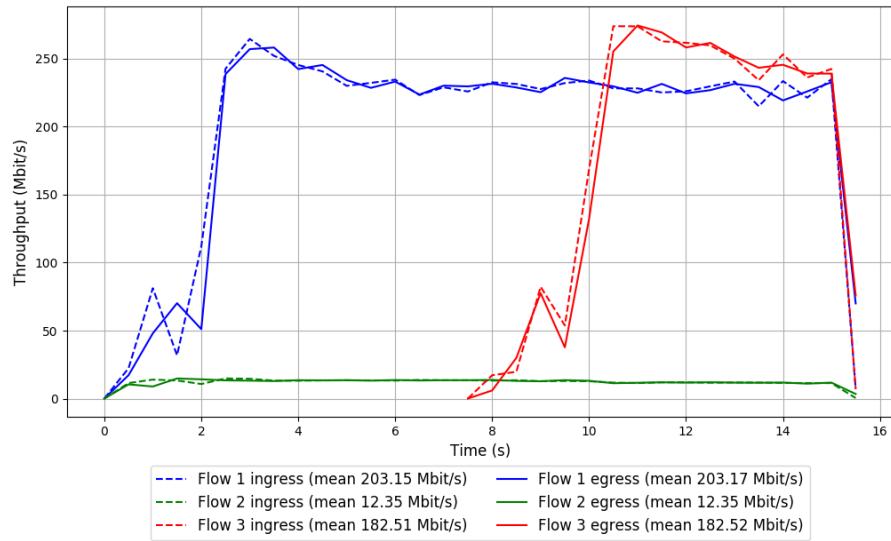


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-03 10:11:05

End at: 2018-01-03 10:11:35

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

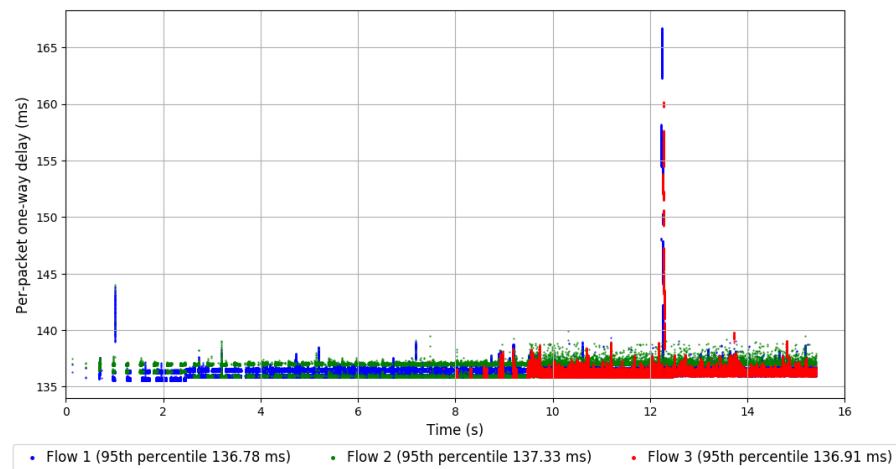
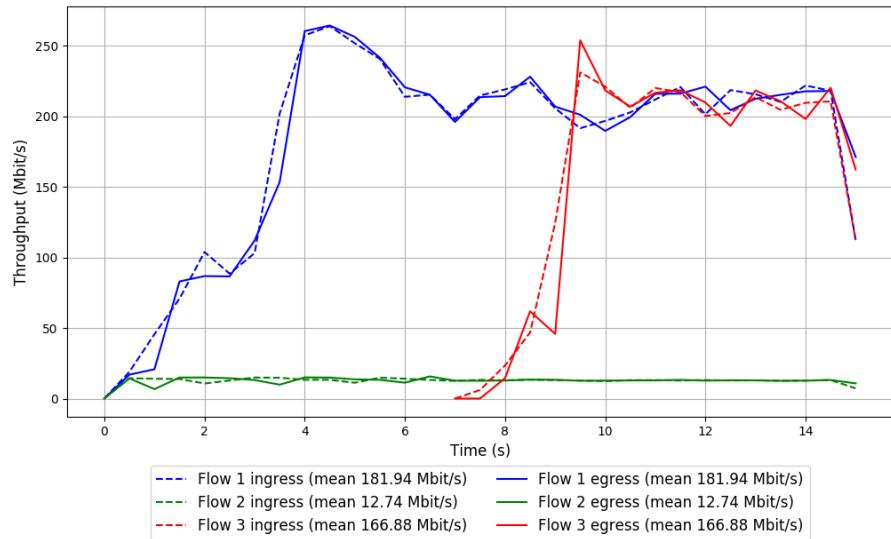


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-03 10:26:28

End at: 2018-01-03 10:26:58

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

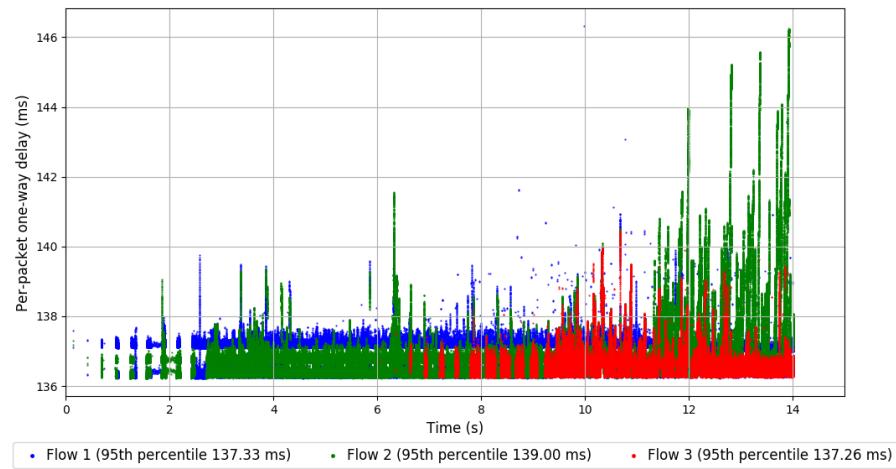
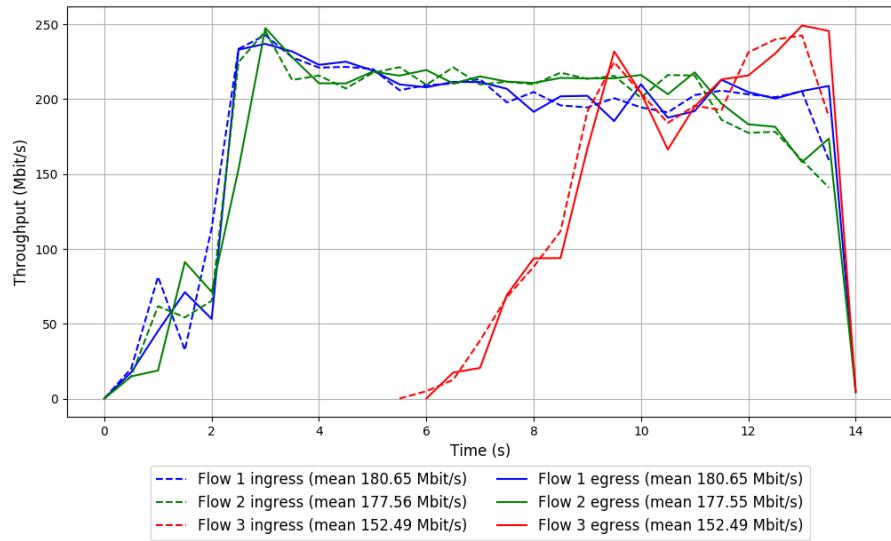


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-03 10:42:33

End at: 2018-01-03 10:43:03

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

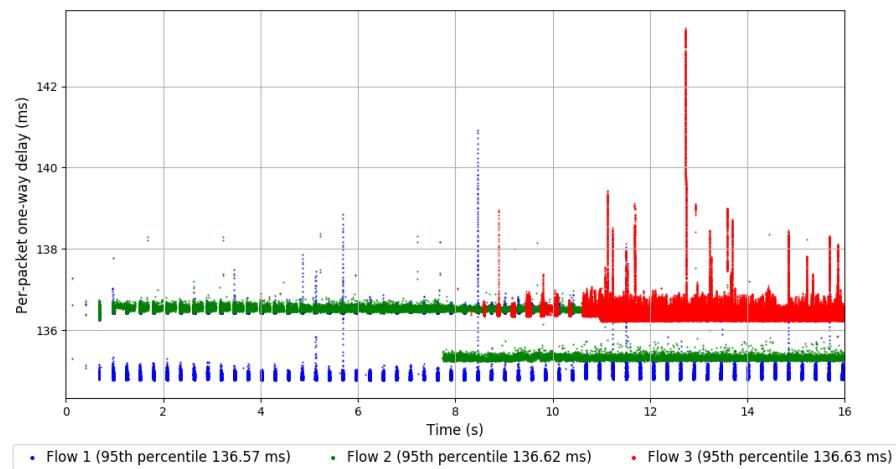
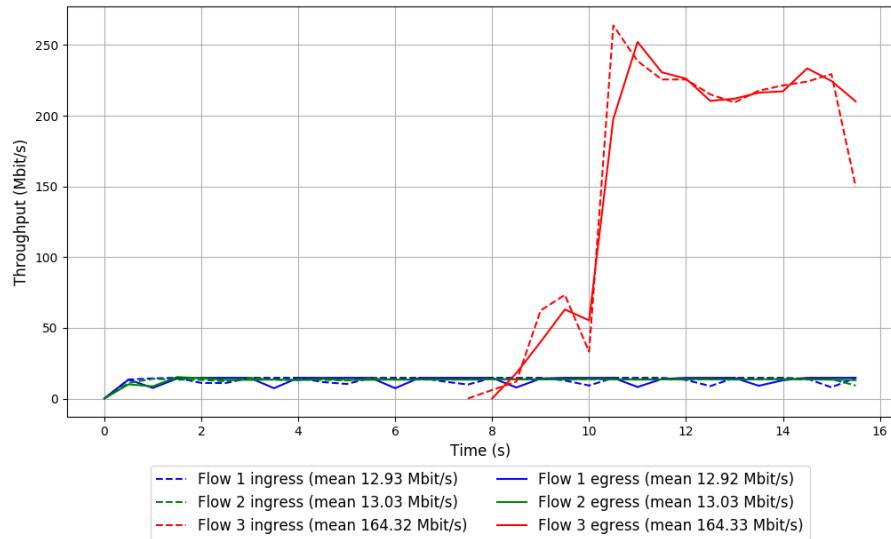


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-03 10:58:50

End at: 2018-01-03 10:59:20

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

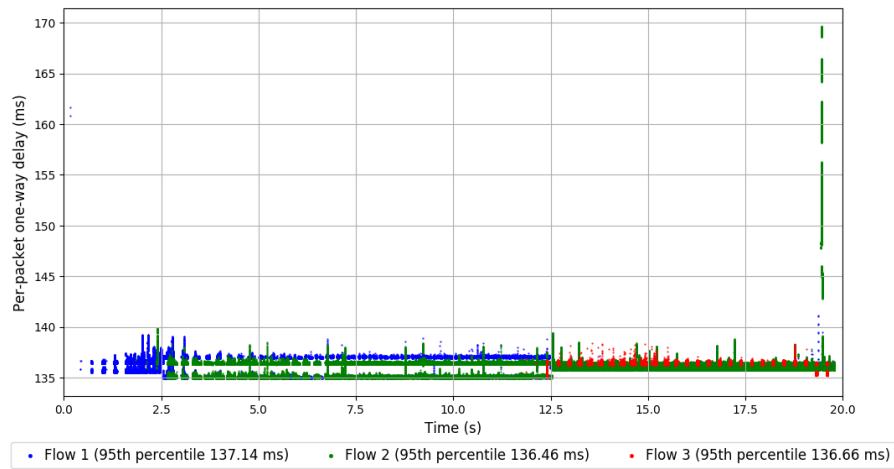
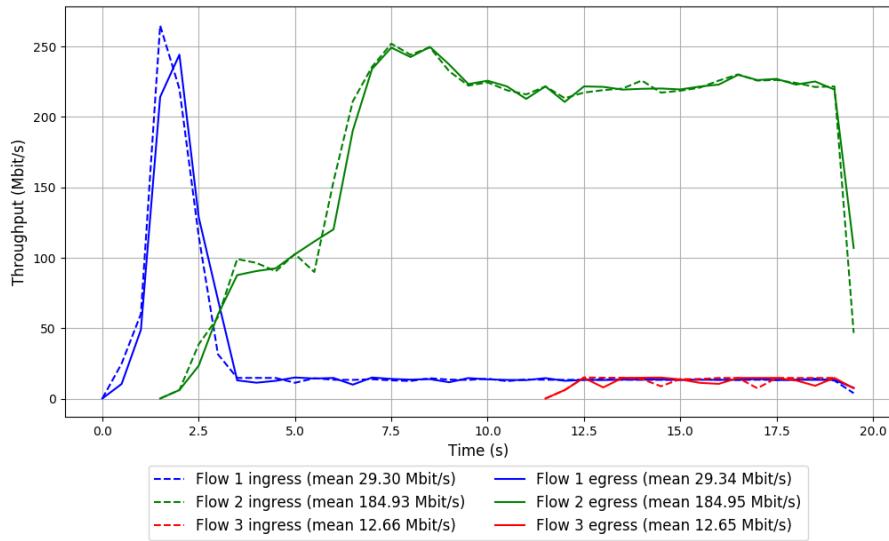


Run 8: Statistics of TaoVA-100x

Start at: 2018-01-03 11:14:52

End at: 2018-01-03 11:15:22

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

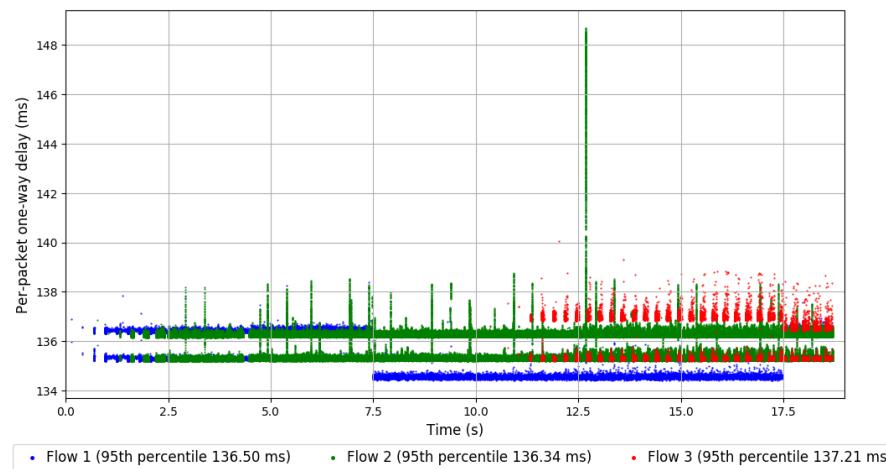
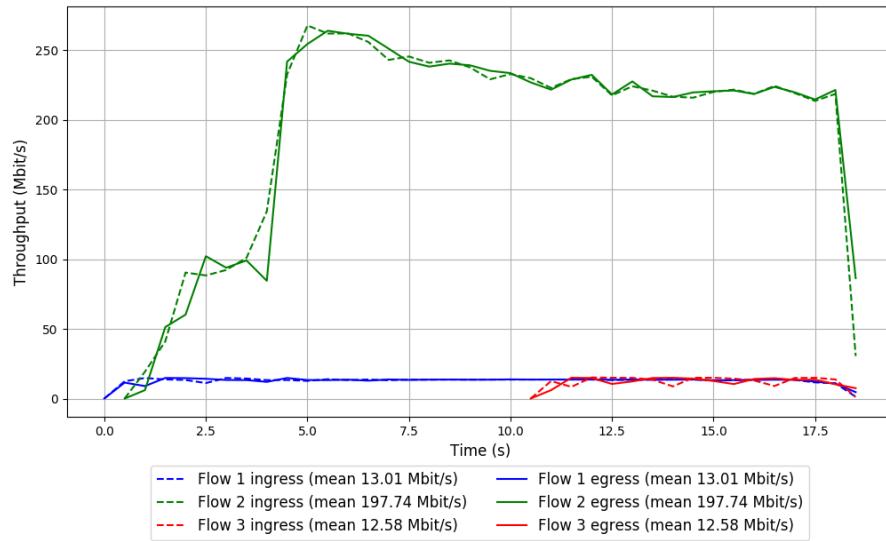


Run 9: Statistics of TaoVA-100x

Start at: 2018-01-03 11:30:23

End at: 2018-01-03 11:30:53

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

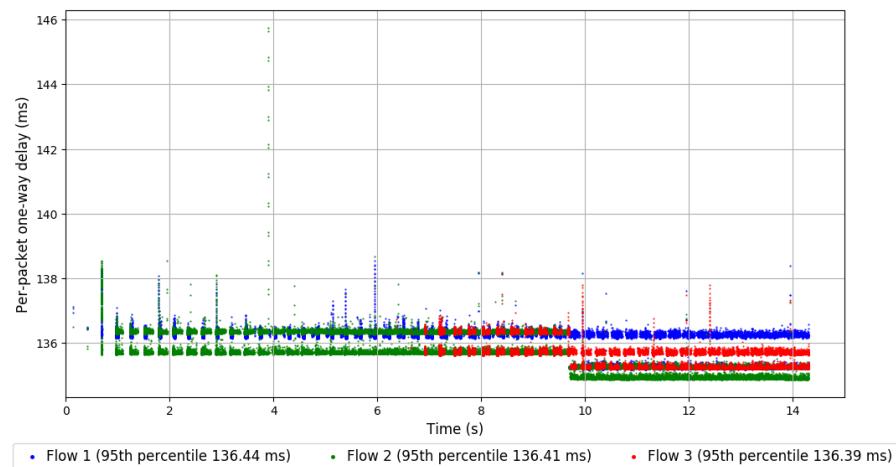
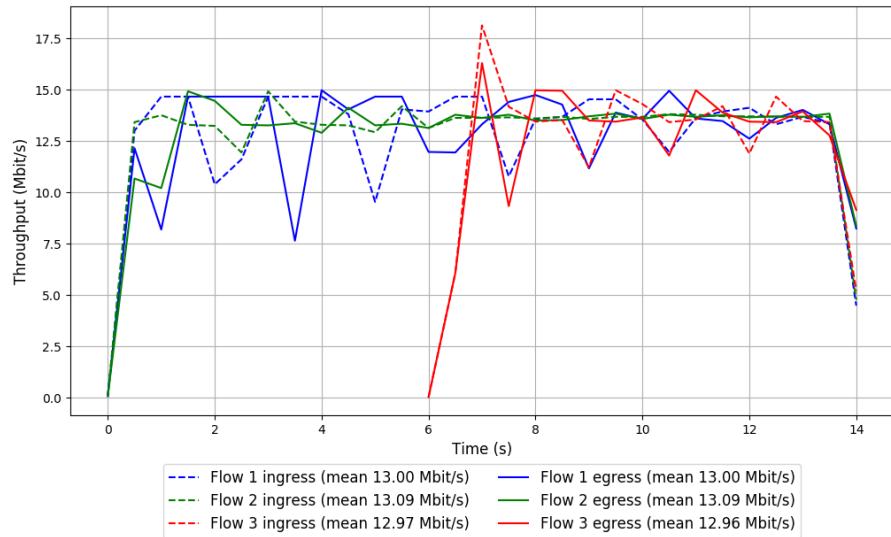


Run 10: Statistics of TaoVA-100x

Start at: 2018-01-03 11:46:29

End at: 2018-01-03 11:46:59

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



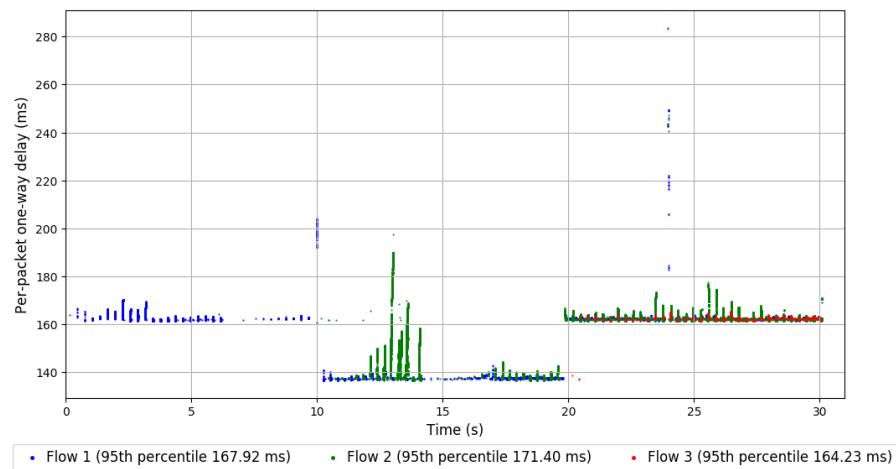
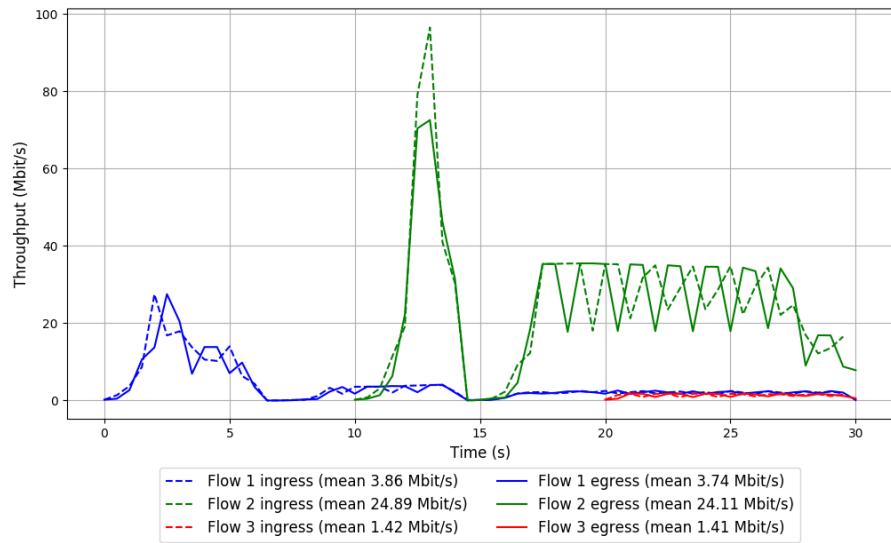
Run 1: Statistics of TCP Vegas

Start at: 2018-01-03 09:19:05

End at: 2018-01-03 09:19:35

```
# Below is generated by plot.py at 2018-01-03 13:22:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.26 Mbit/s
95th percentile per-packet one-way delay: 169.704 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 167.922 ms
Loss rate: 3.10%
-- Flow 2:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 171.398 ms
Loss rate: 3.10%
-- Flow 3:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 164.229 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link



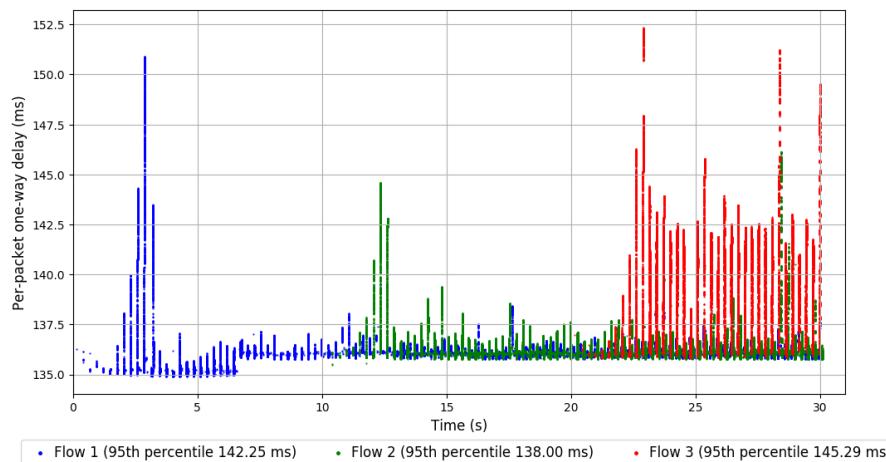
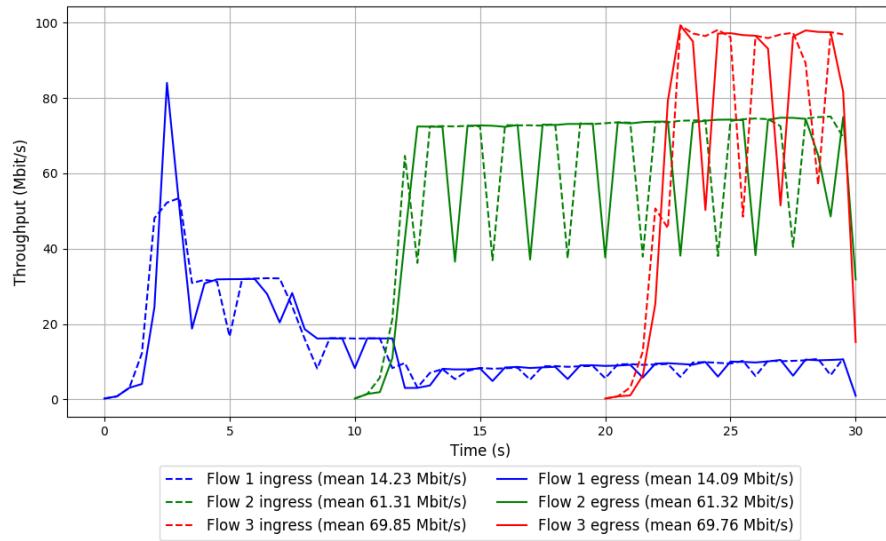
Run 2: Statistics of TCP Vegas

Start at: 2018-01-03 09:34:38

End at: 2018-01-03 09:35:08

```
# Below is generated by plot.py at 2018-01-03 13:22:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.87 Mbit/s
95th percentile per-packet one-way delay: 142.551 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 14.09 Mbit/s
95th percentile per-packet one-way delay: 142.255 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 61.32 Mbit/s
95th percentile per-packet one-way delay: 138.000 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.76 Mbit/s
95th percentile per-packet one-way delay: 145.289 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link



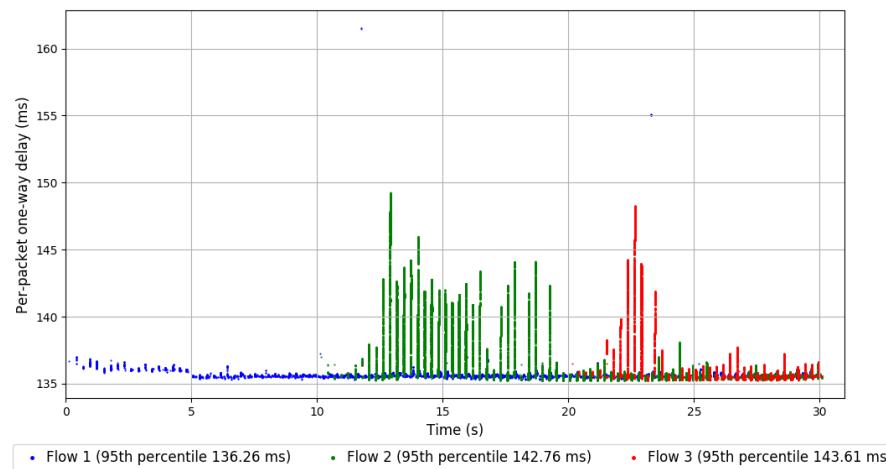
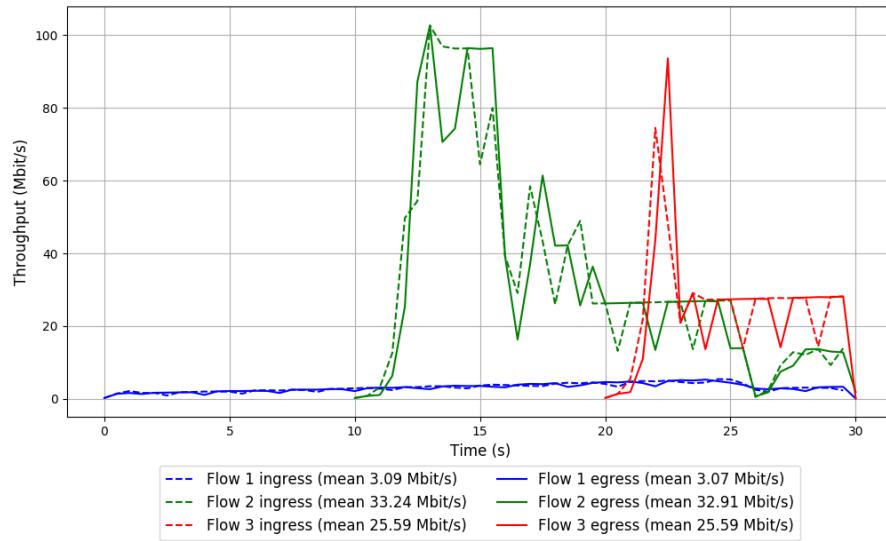
Run 3: Statistics of TCP Vegas

Start at: 2018-01-03 09:50:40

End at: 2018-01-03 09:51:10

```
# Below is generated by plot.py at 2018-01-03 13:22:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 33.44 Mbit/s
95th percentile per-packet one-way delay: 142.809 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 136.258 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 32.91 Mbit/s
95th percentile per-packet one-way delay: 142.757 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 25.59 Mbit/s
95th percentile per-packet one-way delay: 143.607 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link



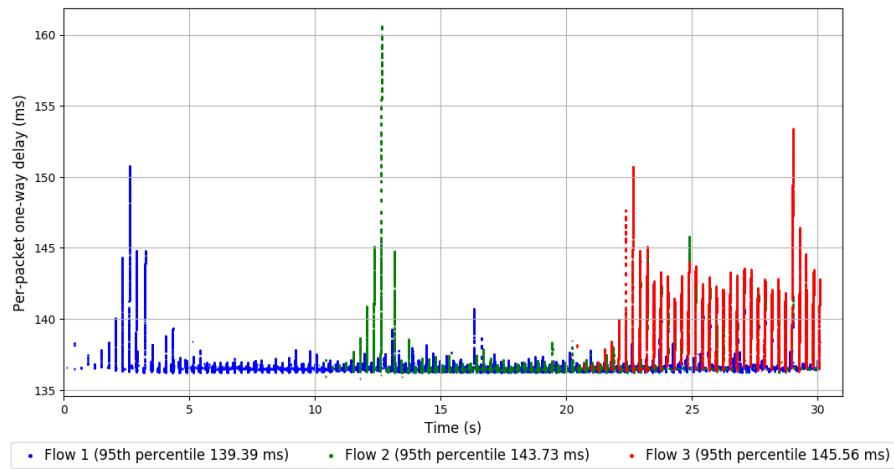
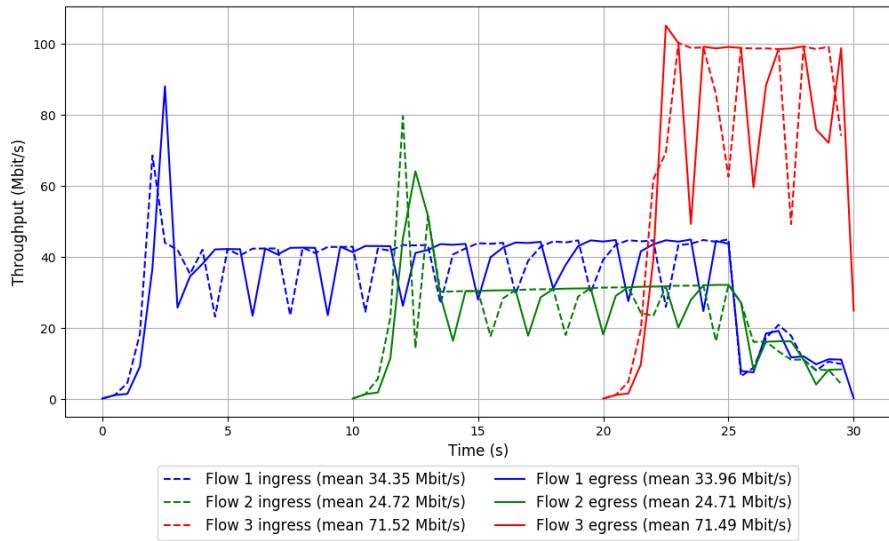
Run 4: Statistics of TCP Vegas

Start at: 2018-01-03 10:06:37

End at: 2018-01-03 10:07:07

```
# Below is generated by plot.py at 2018-01-03 13:22:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.04 Mbit/s
95th percentile per-packet one-way delay: 143.266 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 33.96 Mbit/s
95th percentile per-packet one-way delay: 139.389 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 143.726 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 71.49 Mbit/s
95th percentile per-packet one-way delay: 145.565 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link



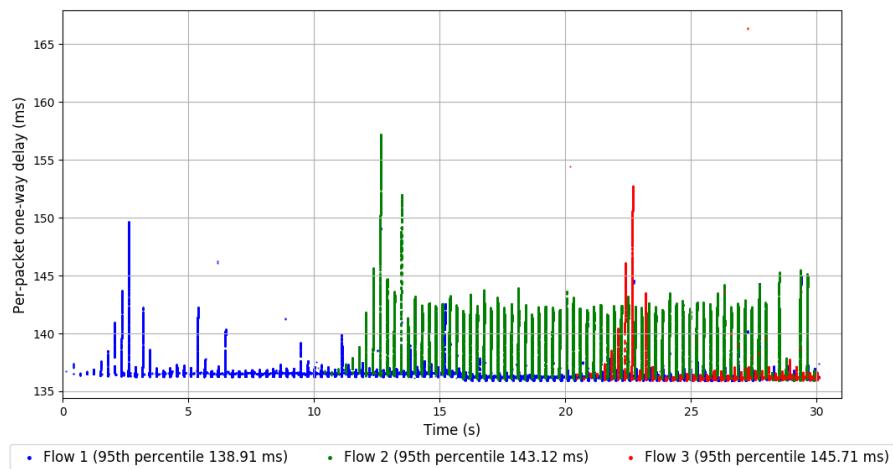
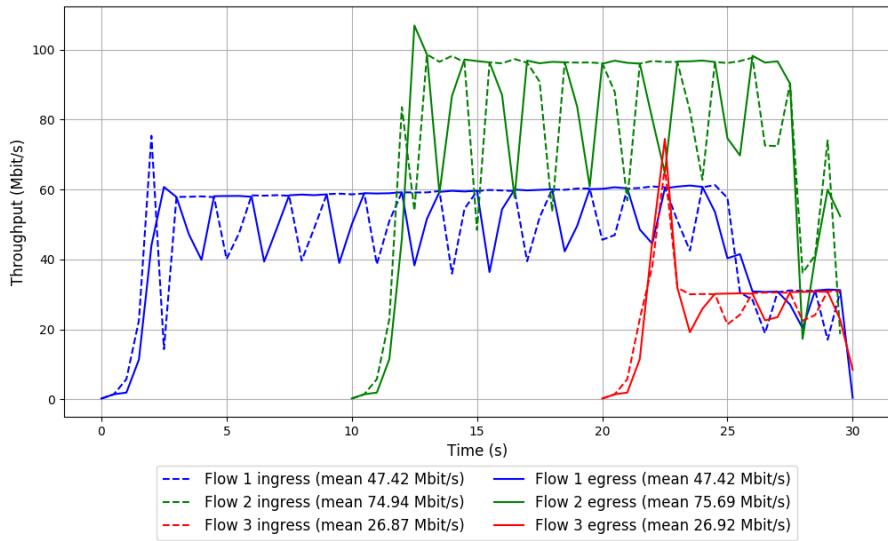
Run 5: Statistics of TCP Vegas

Start at: 2018-01-03 10:21:59

End at: 2018-01-03 10:22:29

```
# Below is generated by plot.py at 2018-01-03 13:22:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 106.23 Mbit/s
95th percentile per-packet one-way delay: 142.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 138.915 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.69 Mbit/s
95th percentile per-packet one-way delay: 143.115 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.92 Mbit/s
95th percentile per-packet one-way delay: 145.711 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link



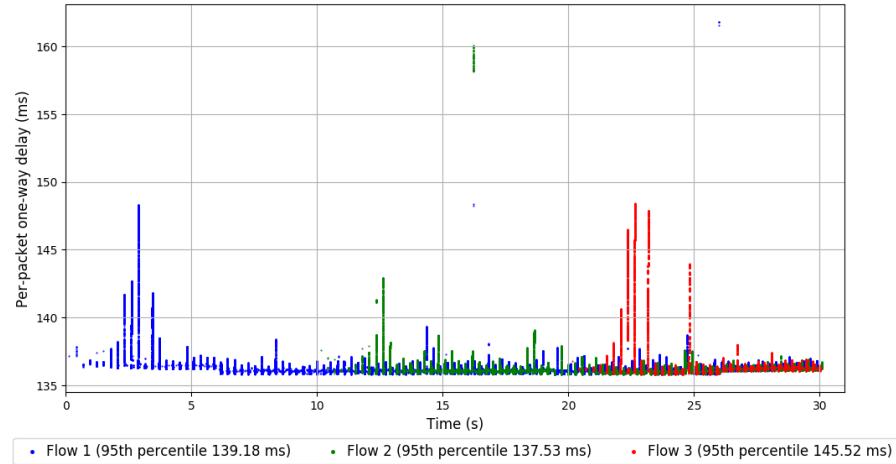
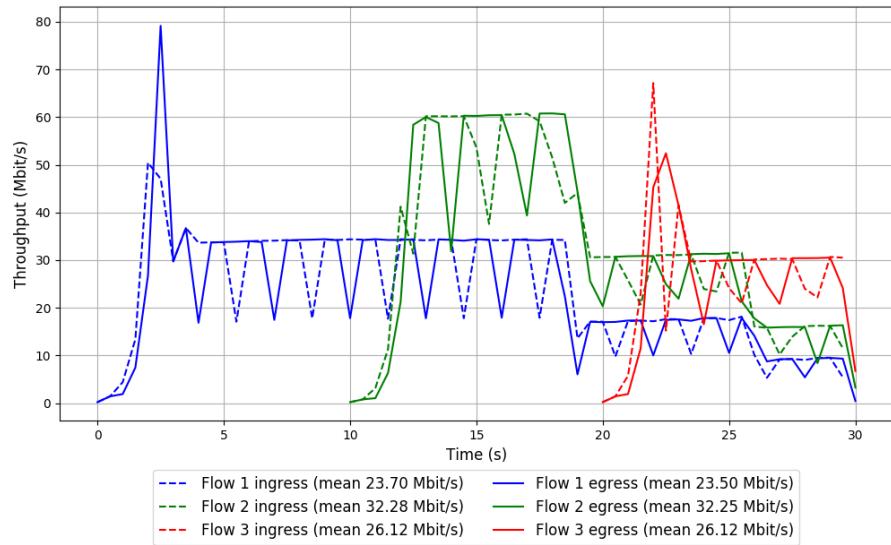
Run 6: Statistics of TCP Vegas

Start at: 2018-01-03 10:38:09

End at: 2018-01-03 10:38:39

```
# Below is generated by plot.py at 2018-01-03 13:22:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.59 Mbit/s
95th percentile per-packet one-way delay: 139.304 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 139.175 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 137.534 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 26.12 Mbit/s
95th percentile per-packet one-way delay: 145.522 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link



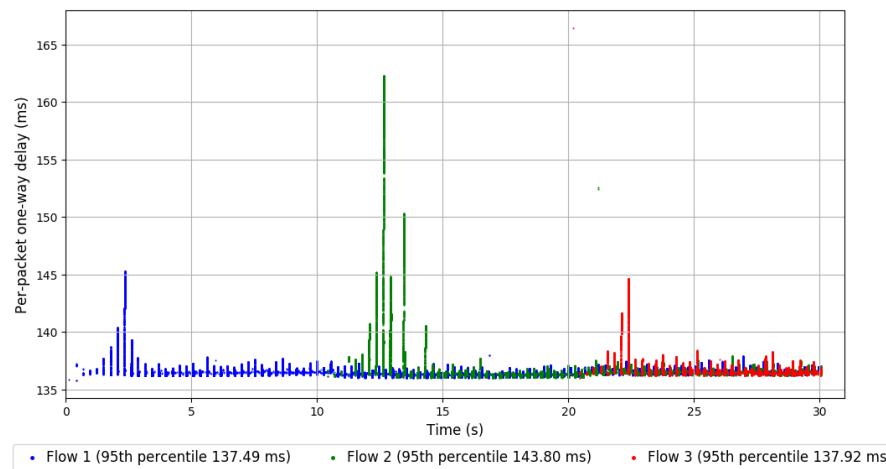
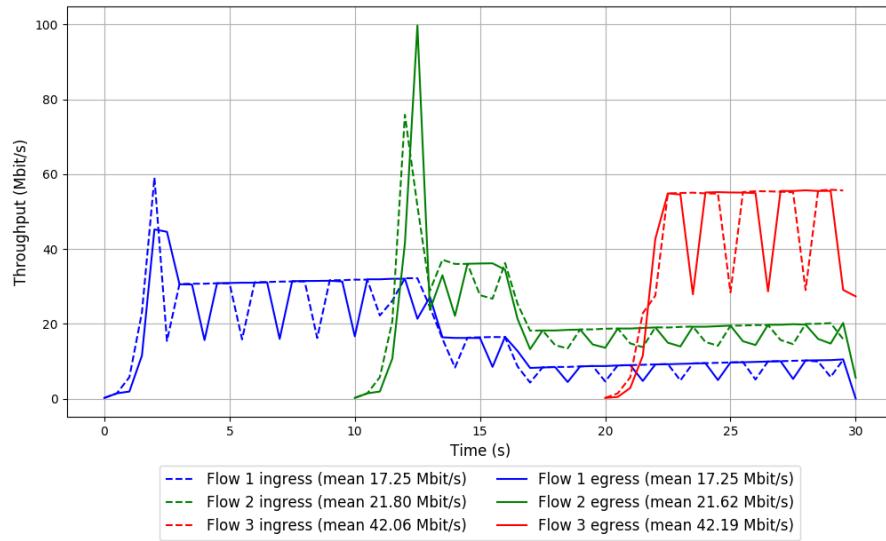
Run 7: Statistics of TCP Vegas

Start at: 2018-01-03 10:54:24

End at: 2018-01-03 10:54:54

```
# Below is generated by plot.py at 2018-01-03 13:22:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.54 Mbit/s
95th percentile per-packet one-way delay: 139.411 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 17.25 Mbit/s
95th percentile per-packet one-way delay: 137.491 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 21.62 Mbit/s
95th percentile per-packet one-way delay: 143.799 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 42.19 Mbit/s
95th percentile per-packet one-way delay: 137.920 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link



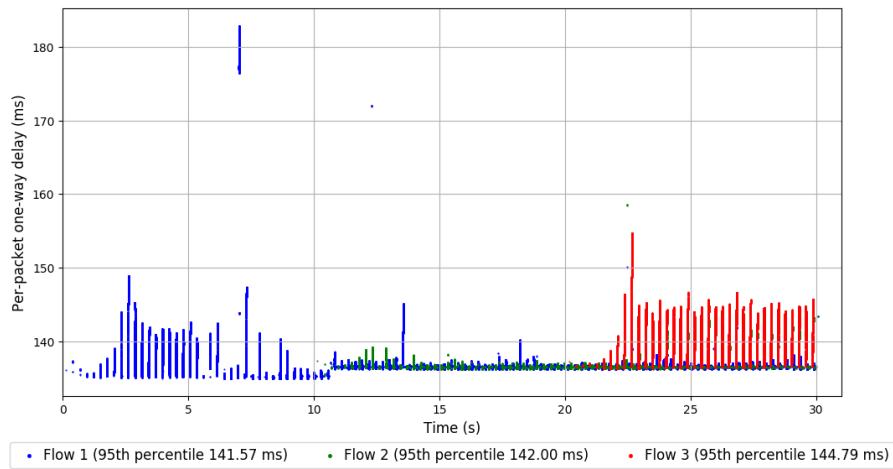
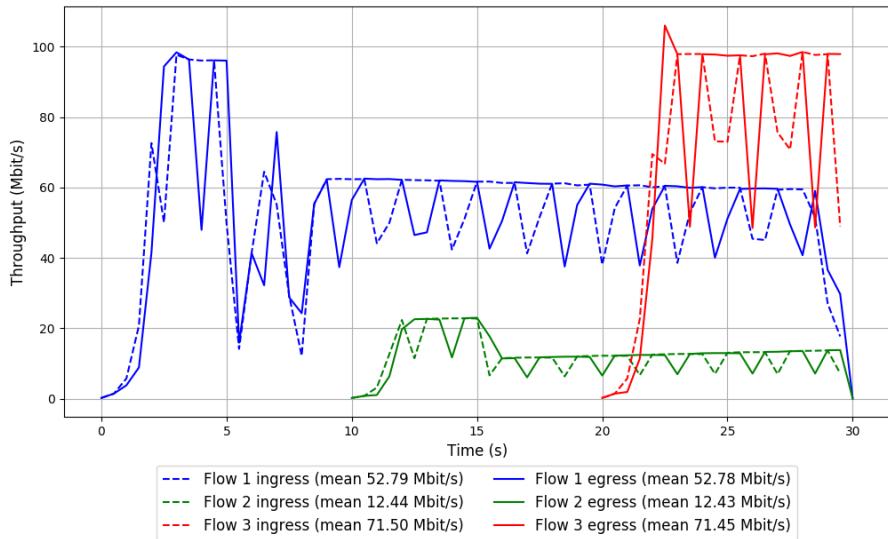
Run 8: Statistics of TCP Vegas

Start at: 2018-01-03 11:10:24

End at: 2018-01-03 11:10:54

```
# Below is generated by plot.py at 2018-01-03 13:22:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.27 Mbit/s
95th percentile per-packet one-way delay: 144.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.78 Mbit/s
95th percentile per-packet one-way delay: 141.571 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 142.000 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 71.45 Mbit/s
95th percentile per-packet one-way delay: 144.795 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link



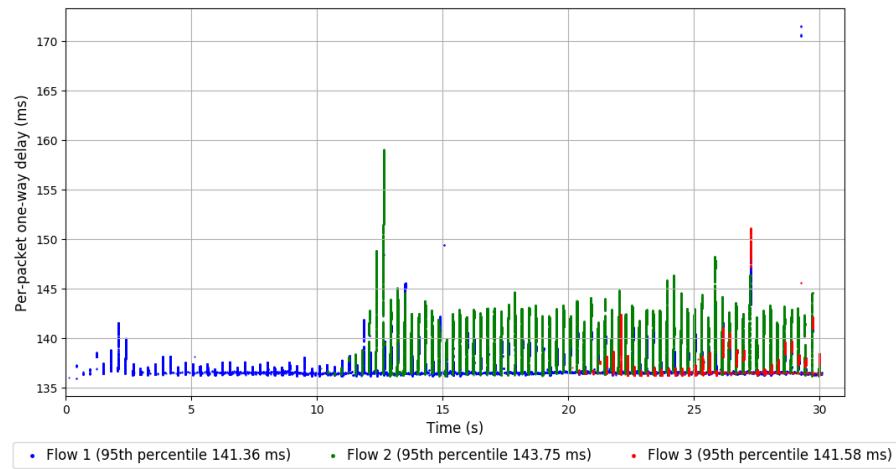
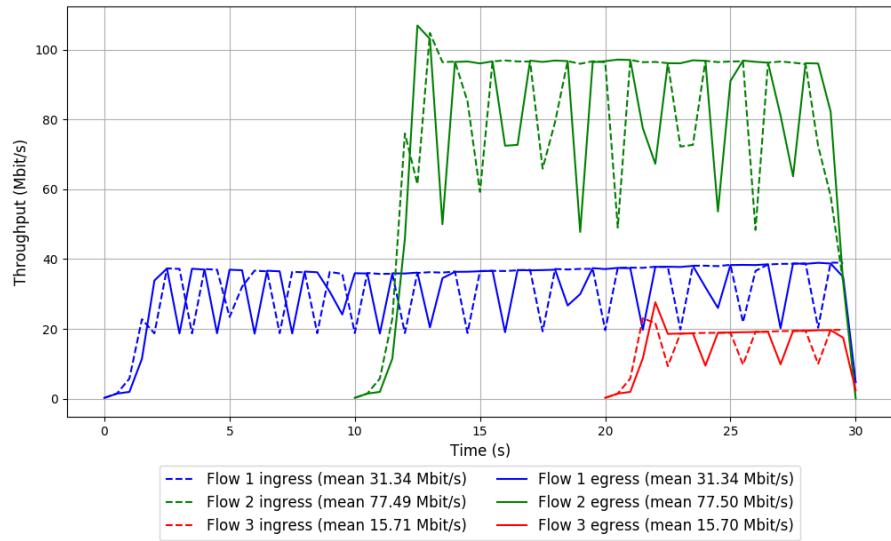
Run 9: Statistics of TCP Vegas

Start at: 2018-01-03 11:25:56

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

```
# Below is generated by plot.py at 2018-01-03 13:22:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 143.277 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 141.364 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 143.746 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 141.583 ms
Loss rate: 0.04%
```

Run 9: Report of TCP Vegas — Data Link



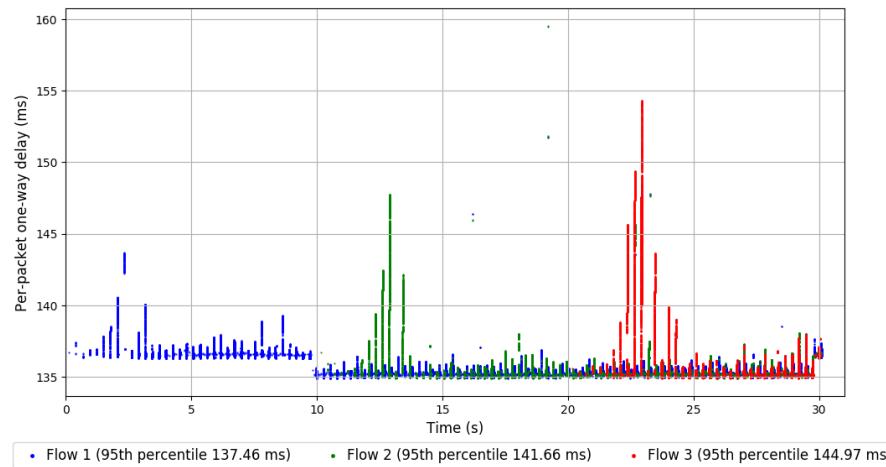
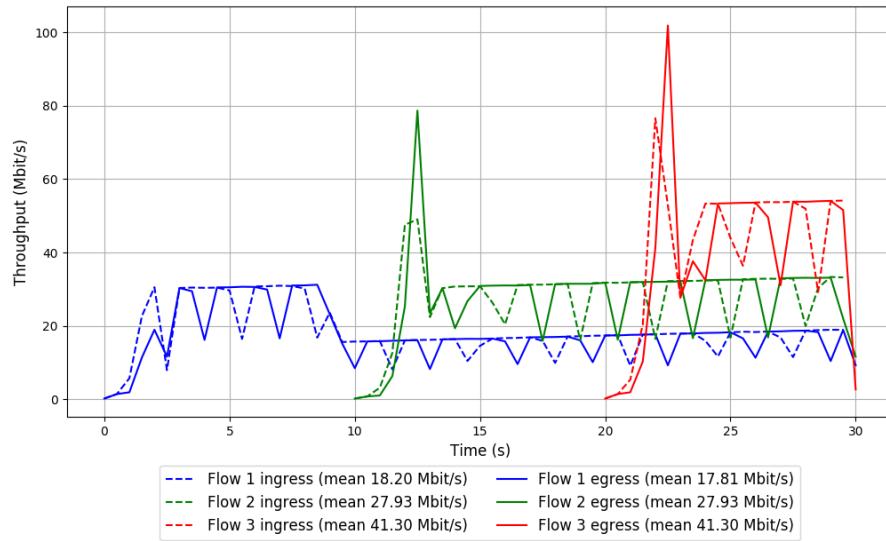
Run 10: Statistics of TCP Vegas

Start at: 2018-01-03 11:42:05

End at: 2018-01-03 11:42:35

```
# Below is generated by plot.py at 2018-01-03 13:22:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 141.287 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 17.81 Mbit/s
95th percentile per-packet one-way delay: 137.457 ms
Loss rate: 2.15%
-- Flow 2:
Average throughput: 27.93 Mbit/s
95th percentile per-packet one-way delay: 141.656 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.30 Mbit/s
95th percentile per-packet one-way delay: 144.967 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link



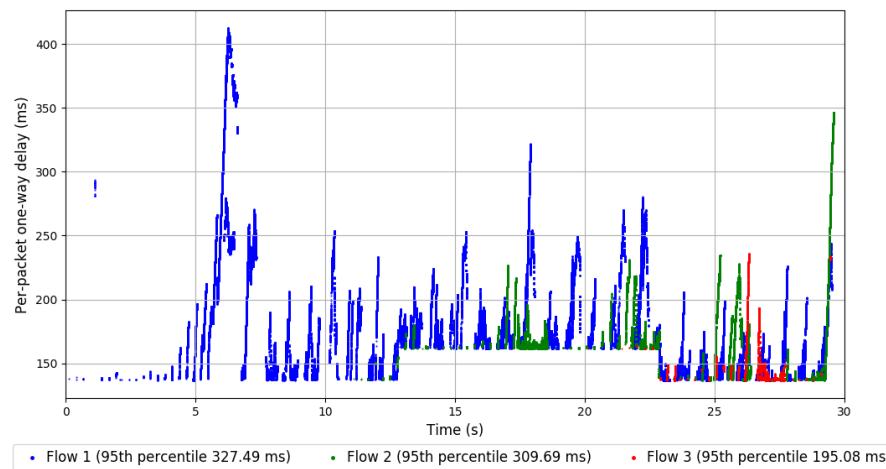
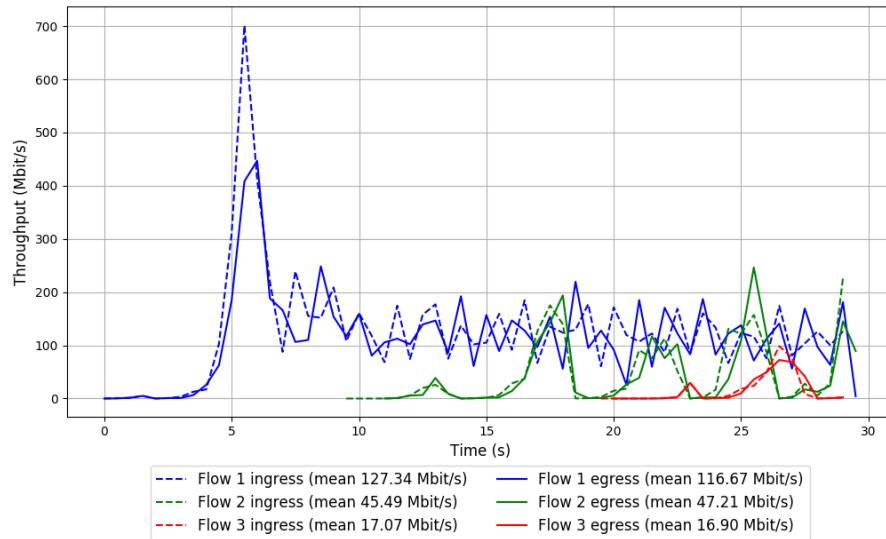
Run 1: Statistics of Verus

Start at: 2018-01-03 09:16:52

End at: 2018-01-03 09:17:22

```
# Below is generated by plot.py at 2018-01-03 13:24:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 151.35 Mbit/s
95th percentile per-packet one-way delay: 314.021 ms
Loss rate: 6.47%
-- Flow 1:
Average throughput: 116.67 Mbit/s
95th percentile per-packet one-way delay: 327.494 ms
Loss rate: 8.15%
-- Flow 2:
Average throughput: 47.21 Mbit/s
95th percentile per-packet one-way delay: 309.687 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 16.90 Mbit/s
95th percentile per-packet one-way delay: 195.084 ms
Loss rate: 0.27%
```

Run 1: Report of Verus — Data Link



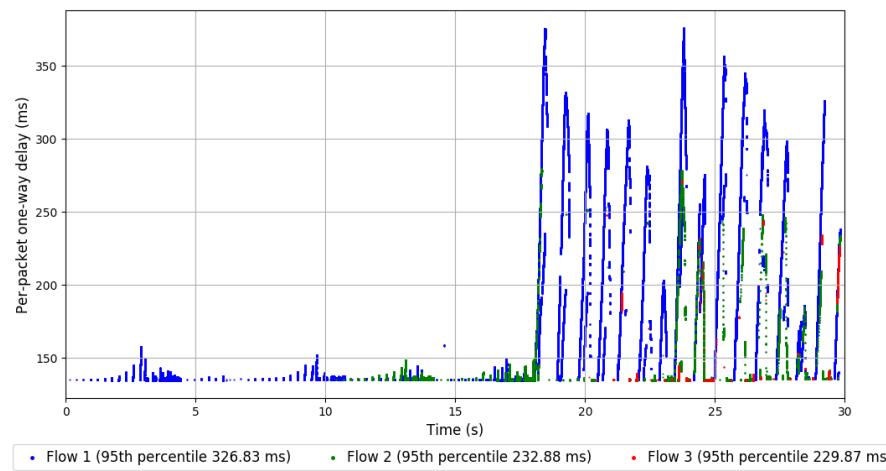
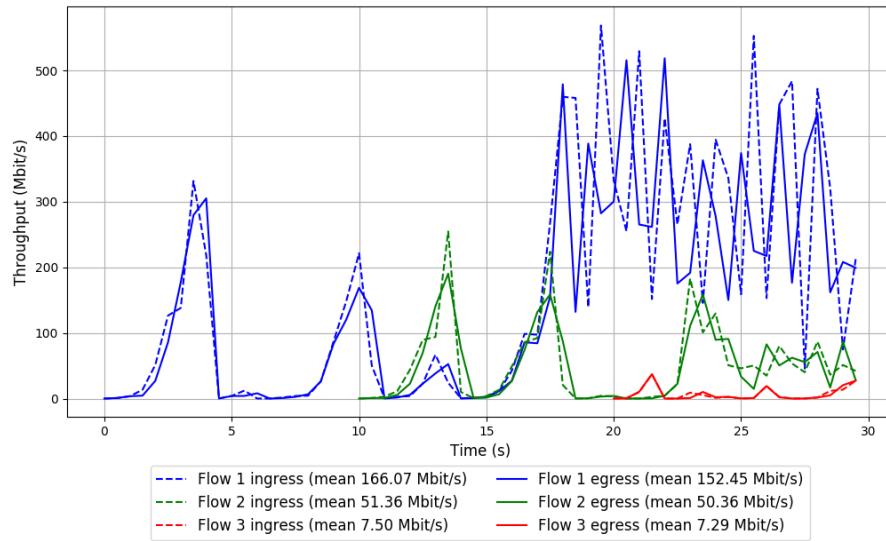
Run 2: Statistics of Verus

Start at: 2018-01-03 09:32:18

End at: 2018-01-03 09:32:48

```
# Below is generated by plot.py at 2018-01-03 13:24:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 188.19 Mbit/s
95th percentile per-packet one-way delay: 319.725 ms
Loss rate: 7.07%
-- Flow 1:
Average throughput: 152.45 Mbit/s
95th percentile per-packet one-way delay: 326.831 ms
Loss rate: 8.20%
-- Flow 2:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 232.881 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 229.872 ms
Loss rate: 1.95%
```

Run 2: Report of Verus — Data Link



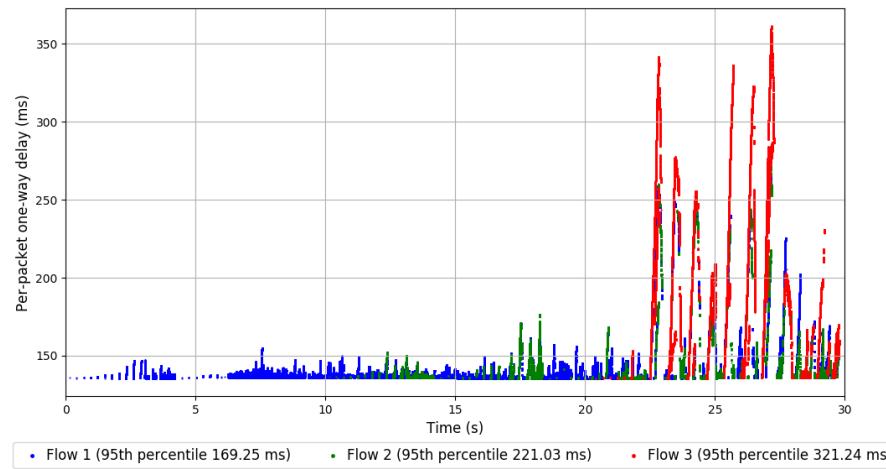
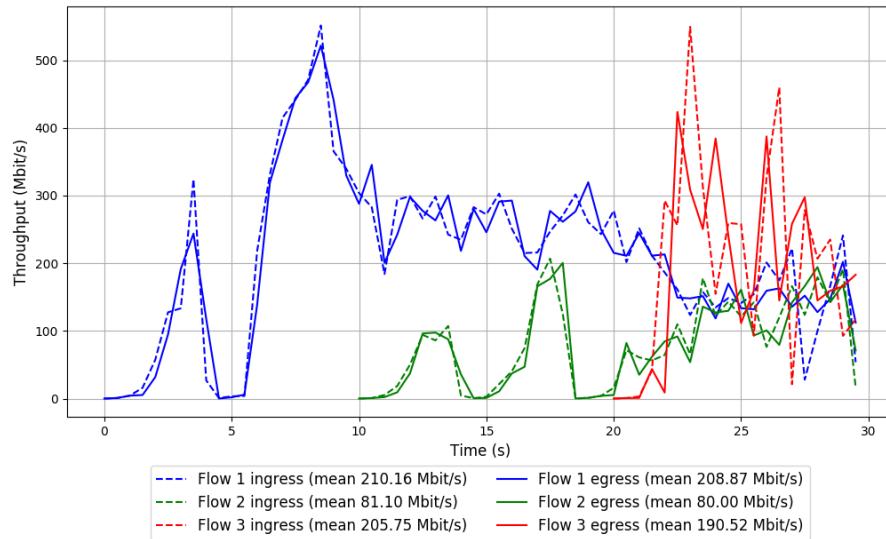
Run 3: Statistics of Verus

Start at: 2018-01-03 09:48:10

End at: 2018-01-03 09:48:40

```
# Below is generated by plot.py at 2018-01-03 13:27:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 323.45 Mbit/s
95th percentile per-packet one-way delay: 253.441 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 208.87 Mbit/s
95th percentile per-packet one-way delay: 169.250 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 80.00 Mbit/s
95th percentile per-packet one-way delay: 221.030 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 190.52 Mbit/s
95th percentile per-packet one-way delay: 321.238 ms
Loss rate: 7.18%
```

Run 3: Report of Verus — Data Link



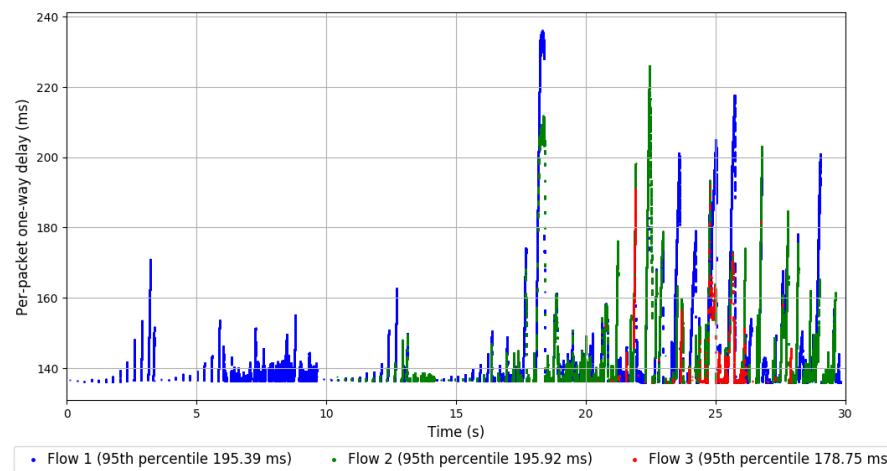
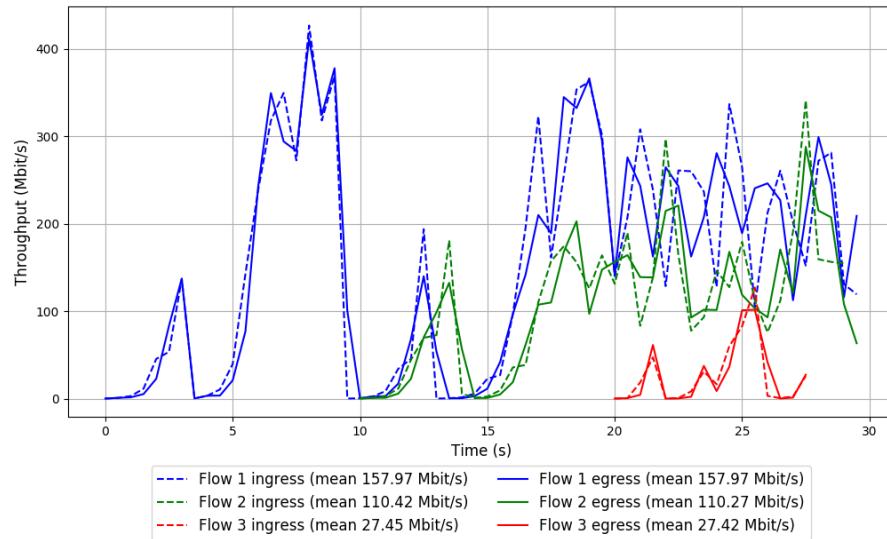
Run 4: Statistics of Verus

Start at: 2018-01-03 10:04:13

End at: 2018-01-03 10:04:43

```
# Below is generated by plot.py at 2018-01-03 13:27:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 237.42 Mbit/s
95th percentile per-packet one-way delay: 194.660 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 157.97 Mbit/s
95th percentile per-packet one-way delay: 195.393 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 110.27 Mbit/s
95th percentile per-packet one-way delay: 195.919 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 27.42 Mbit/s
95th percentile per-packet one-way delay: 178.751 ms
Loss rate: 0.00%
```

Run 4: Report of Verus — Data Link



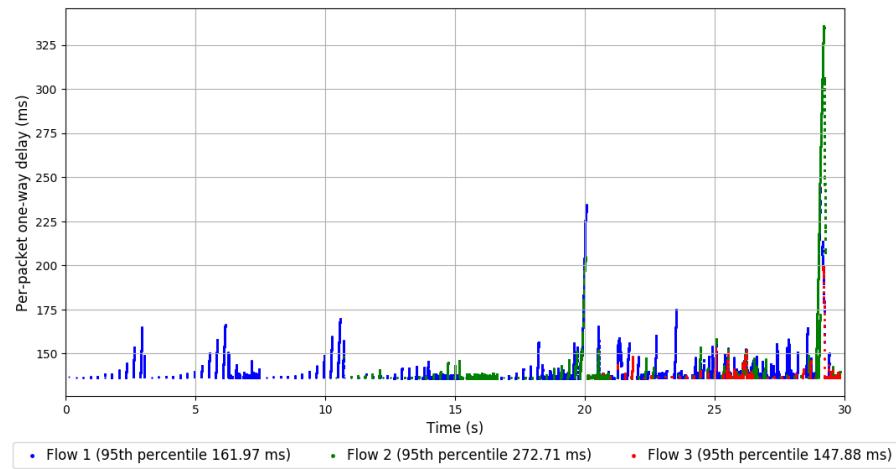
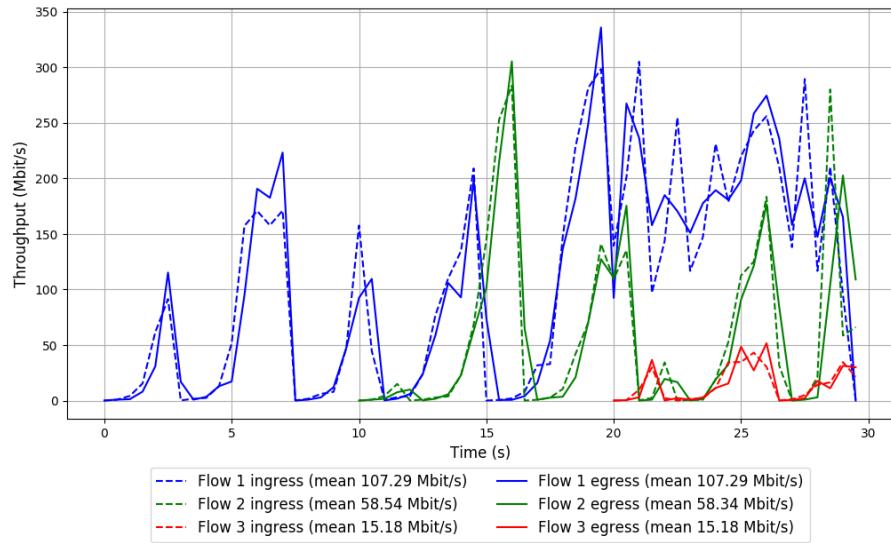
Run 5: Statistics of Verus

Start at: 2018-01-03 10:19:42

End at: 2018-01-03 10:20:12

```
# Below is generated by plot.py at 2018-01-03 13:27:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 150.63 Mbit/s
95th percentile per-packet one-way delay: 174.454 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 107.29 Mbit/s
95th percentile per-packet one-way delay: 161.972 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.34 Mbit/s
95th percentile per-packet one-way delay: 272.712 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 15.18 Mbit/s
95th percentile per-packet one-way delay: 147.883 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link



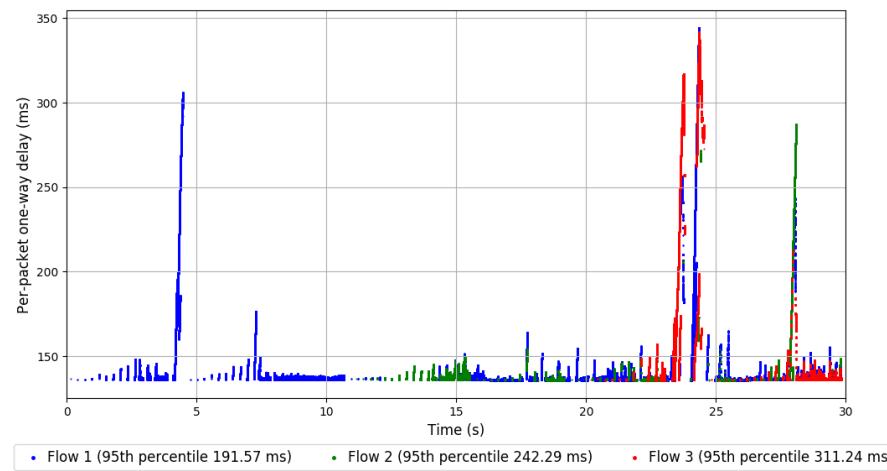
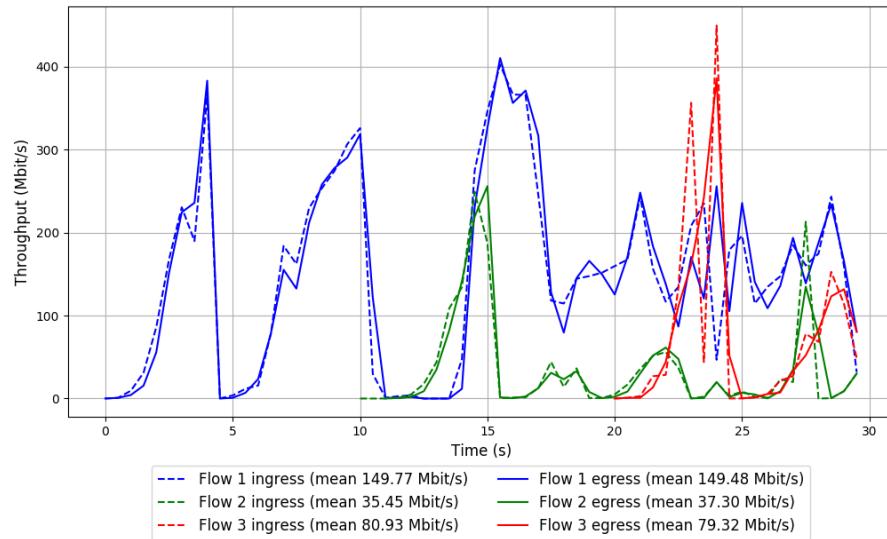
Run 6: Statistics of Verus

Start at: 2018-01-03 10:35:48

End at: 2018-01-03 10:36:18

```
# Below is generated by plot.py at 2018-01-03 13:27:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 198.62 Mbit/s
95th percentile per-packet one-way delay: 262.511 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 149.48 Mbit/s
95th percentile per-packet one-way delay: 191.573 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 242.294 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 79.32 Mbit/s
95th percentile per-packet one-way delay: 311.243 ms
Loss rate: 1.99%
```

Run 6: Report of Verus — Data Link



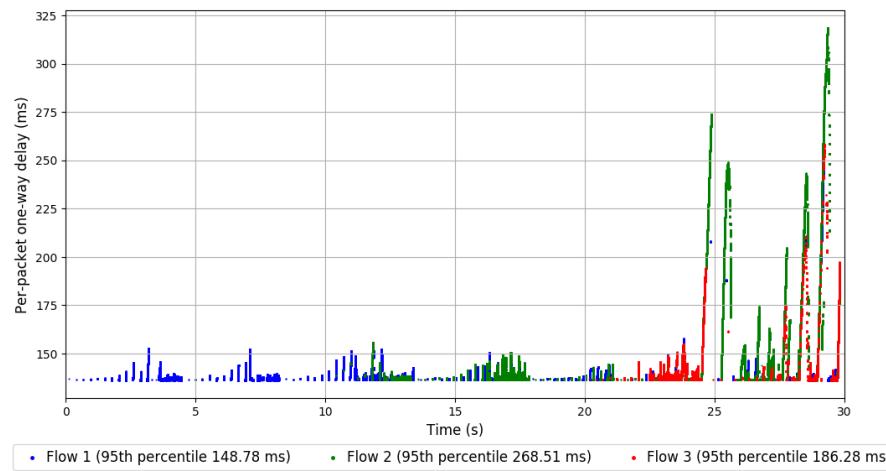
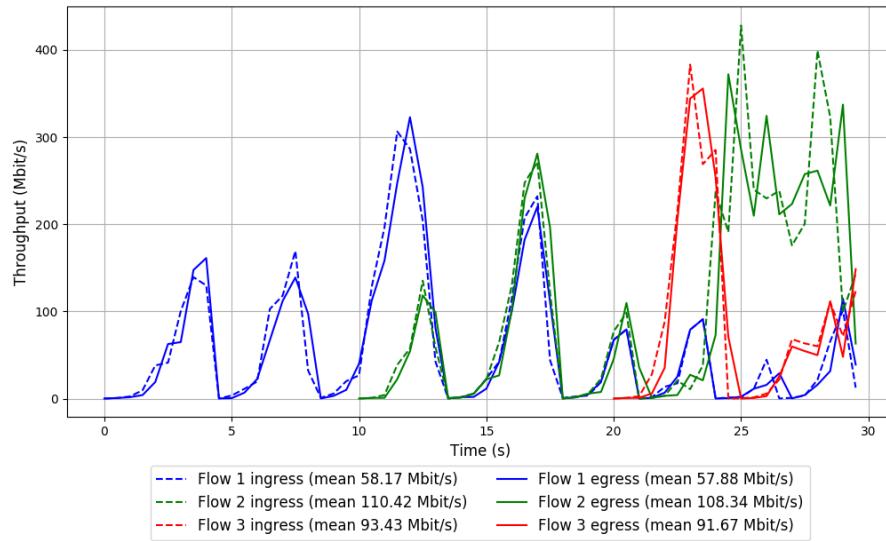
Run 7: Statistics of Verus

Start at: 2018-01-03 10:52:06

End at: 2018-01-03 10:52:36

```
# Below is generated by plot.py at 2018-01-03 13:27:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 159.53 Mbit/s
95th percentile per-packet one-way delay: 240.161 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 57.88 Mbit/s
95th percentile per-packet one-way delay: 148.782 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 108.34 Mbit/s
95th percentile per-packet one-way delay: 268.507 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 186.280 ms
Loss rate: 1.39%
```

Run 7: Report of Verus — Data Link



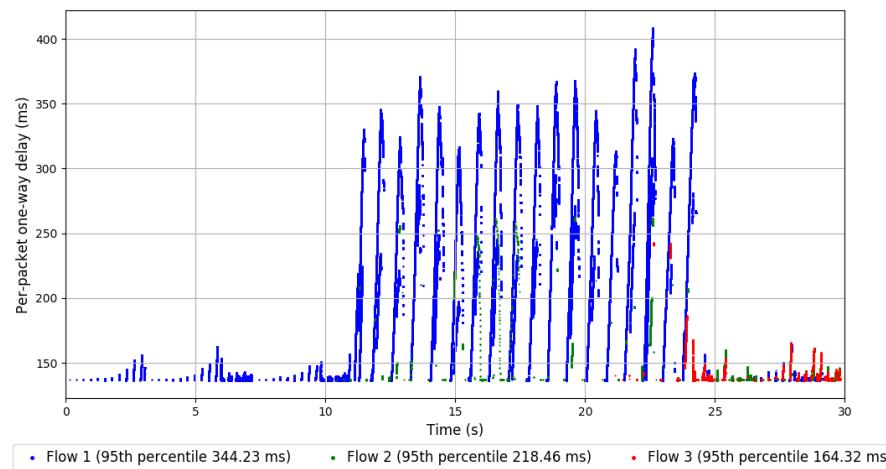
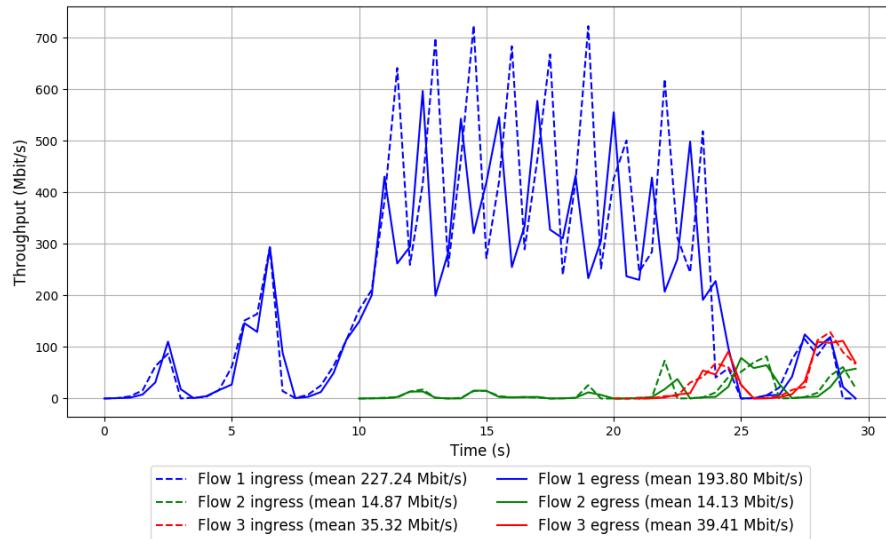
Run 8: Statistics of Verus

Start at: 2018-01-03 11:08:02

End at: 2018-01-03 11:08:32

```
# Below is generated by plot.py at 2018-01-03 13:27:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 213.64 Mbit/s
95th percentile per-packet one-way delay: 342.479 ms
Loss rate: 13.64%
-- Flow 1:
Average throughput: 193.80 Mbit/s
95th percentile per-packet one-way delay: 344.227 ms
Loss rate: 14.72%
-- Flow 2:
Average throughput: 14.13 Mbit/s
95th percentile per-packet one-way delay: 218.455 ms
Loss rate: 4.95%
-- Flow 3:
Average throughput: 39.41 Mbit/s
95th percentile per-packet one-way delay: 164.325 ms
Loss rate: 0.01%
```

Run 8: Report of Verus — Data Link



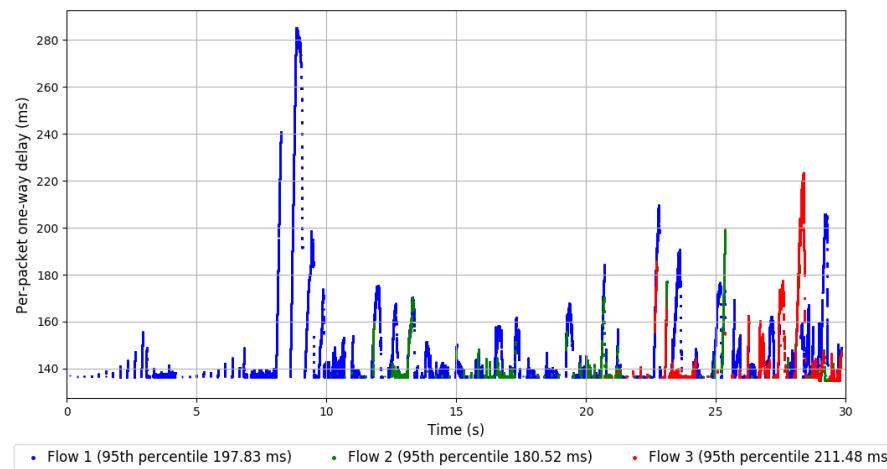
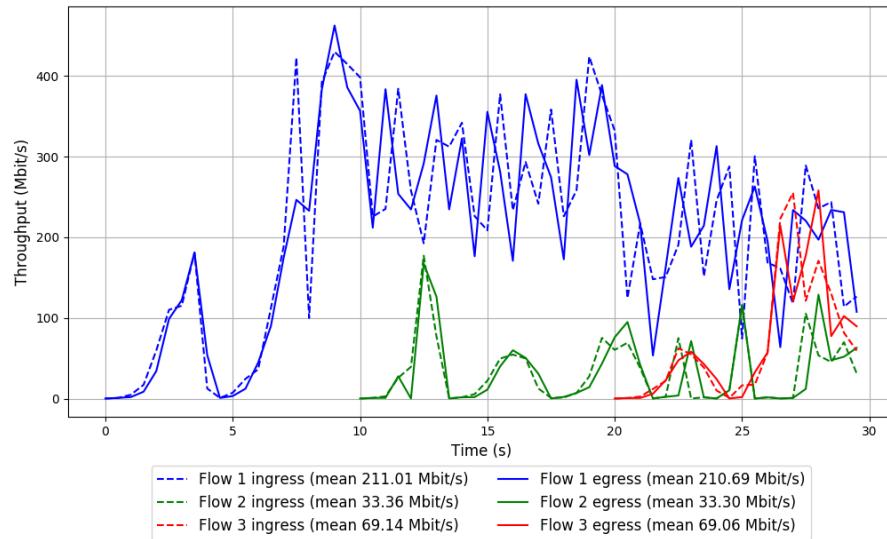
Run 9: Statistics of Verus

Start at: 2018-01-03 11:23:36

End at: 2018-01-03 11:24:06

```
# Below is generated by plot.py at 2018-01-03 13:28:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 255.23 Mbit/s
95th percentile per-packet one-way delay: 196.682 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 210.69 Mbit/s
95th percentile per-packet one-way delay: 197.827 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 33.30 Mbit/s
95th percentile per-packet one-way delay: 180.521 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 69.06 Mbit/s
95th percentile per-packet one-way delay: 211.484 ms
Loss rate: 0.14%
```

Run 9: Report of Verus — Data Link



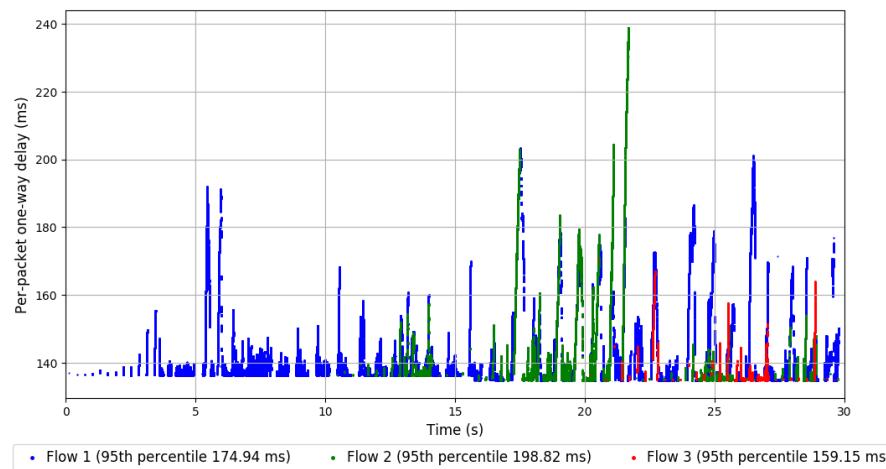
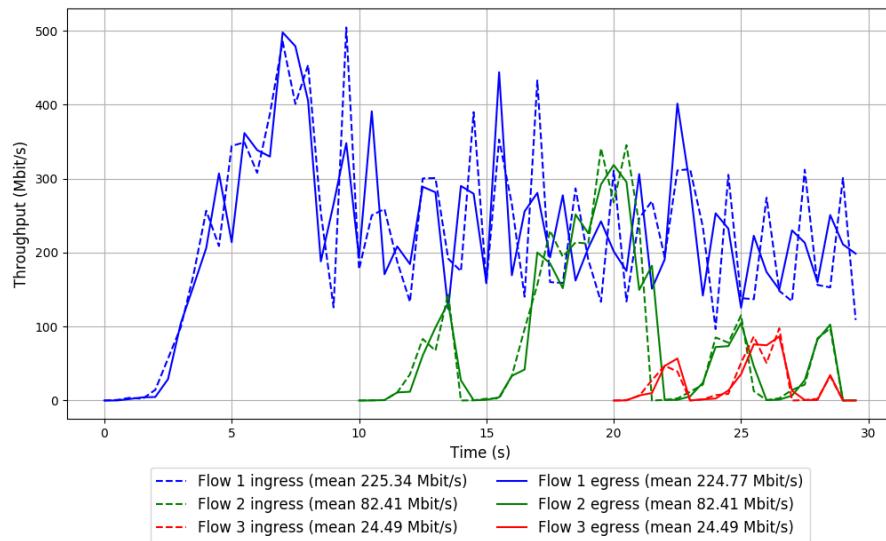
Run 10: Statistics of Verus

Start at: 2018-01-03 11:39:39

End at: 2018-01-03 11:40:09

```
# Below is generated by plot.py at 2018-01-03 13:29:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 287.02 Mbit/s
95th percentile per-packet one-way delay: 177.141 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 224.77 Mbit/s
95th percentile per-packet one-way delay: 174.942 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 82.41 Mbit/s
95th percentile per-packet one-way delay: 198.817 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 159.148 ms
Loss rate: 0.00%
```

Run 10: Report of Verus — Data Link



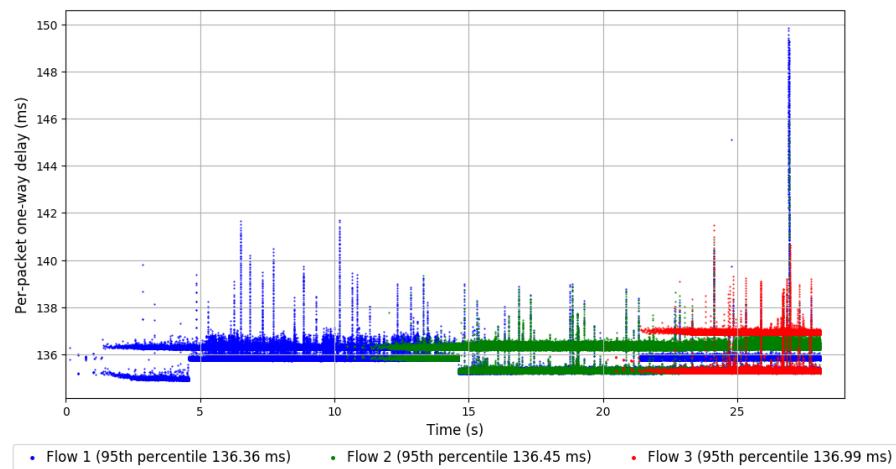
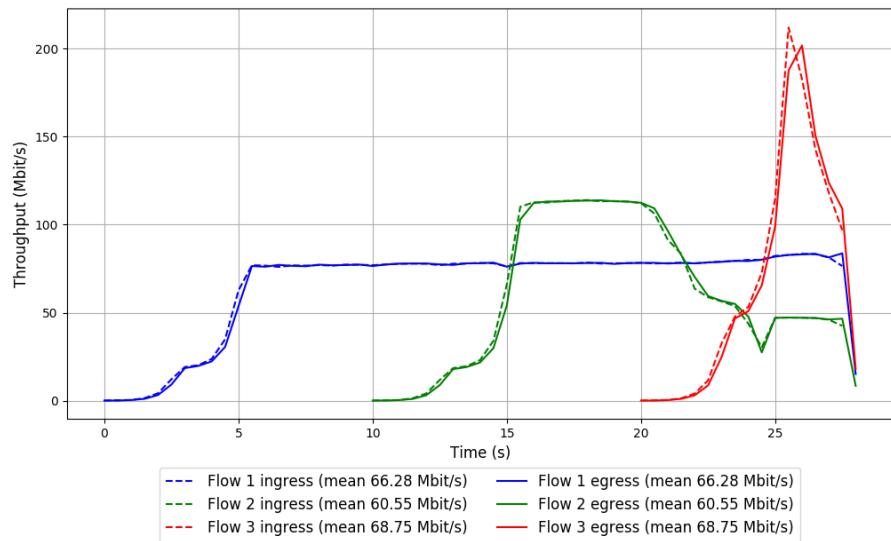
Run 1: Statistics of Copa

Start at: 2018-01-03 09:30:18

End at: 2018-01-03 09:30:48

```
# Below is generated by plot.py at 2018-01-03 13:29:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.67 Mbit/s
95th percentile per-packet one-way delay: 136.919 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.28 Mbit/s
95th percentile per-packet one-way delay: 136.364 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.55 Mbit/s
95th percentile per-packet one-way delay: 136.449 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.75 Mbit/s
95th percentile per-packet one-way delay: 136.994 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link



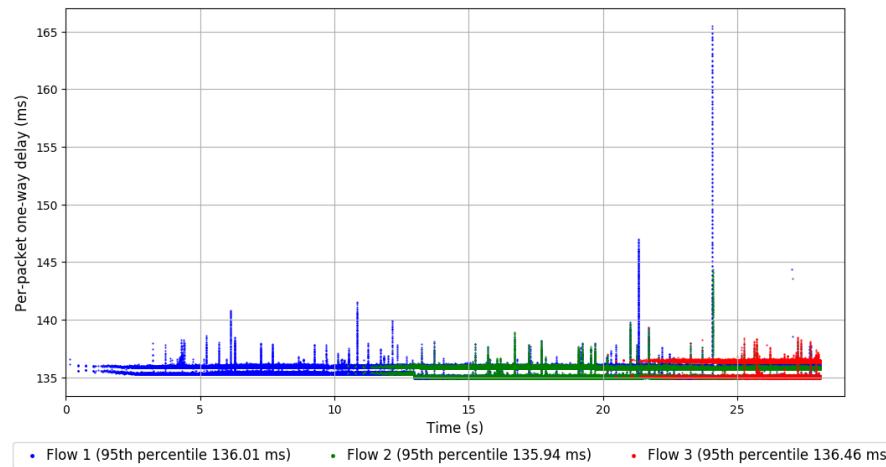
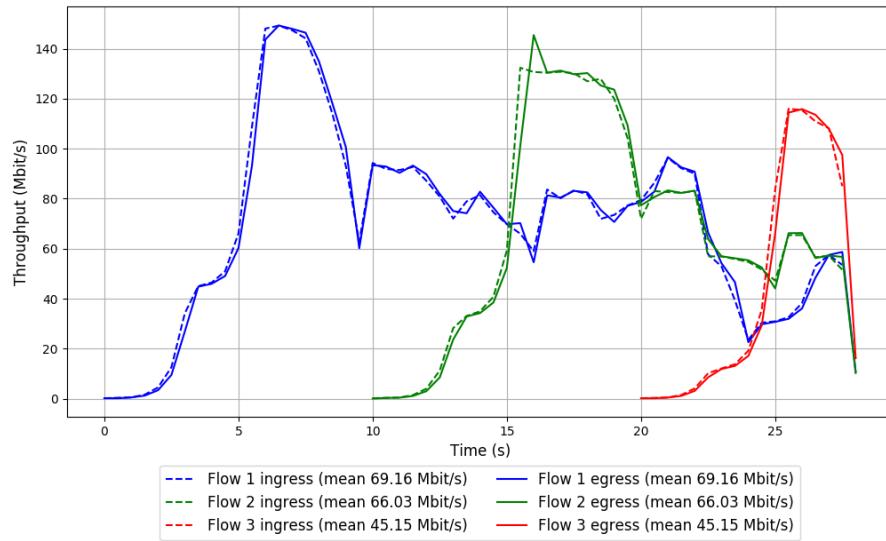
Run 2: Statistics of Copa

Start at: 2018-01-03 09:46:10

End at: 2018-01-03 09:46:40

```
# Below is generated by plot.py at 2018-01-03 13:29:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.36 Mbit/s
95th percentile per-packet one-way delay: 136.308 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.16 Mbit/s
95th percentile per-packet one-way delay: 136.006 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.03 Mbit/s
95th percentile per-packet one-way delay: 135.945 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.15 Mbit/s
95th percentile per-packet one-way delay: 136.462 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link



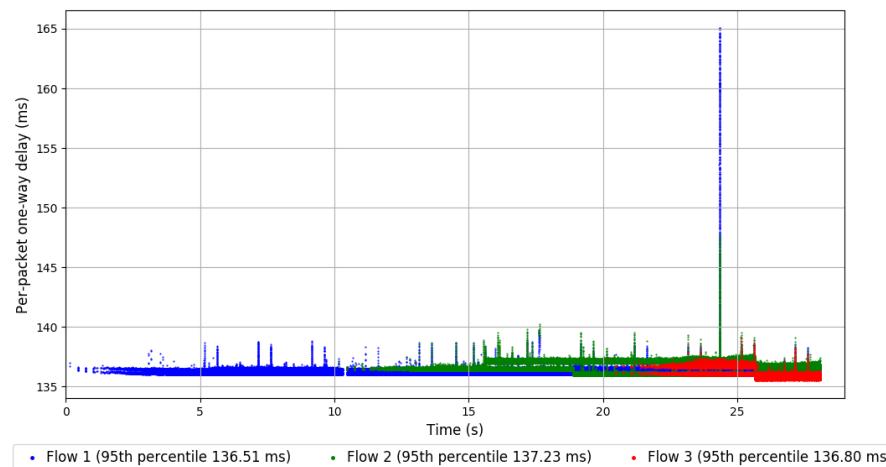
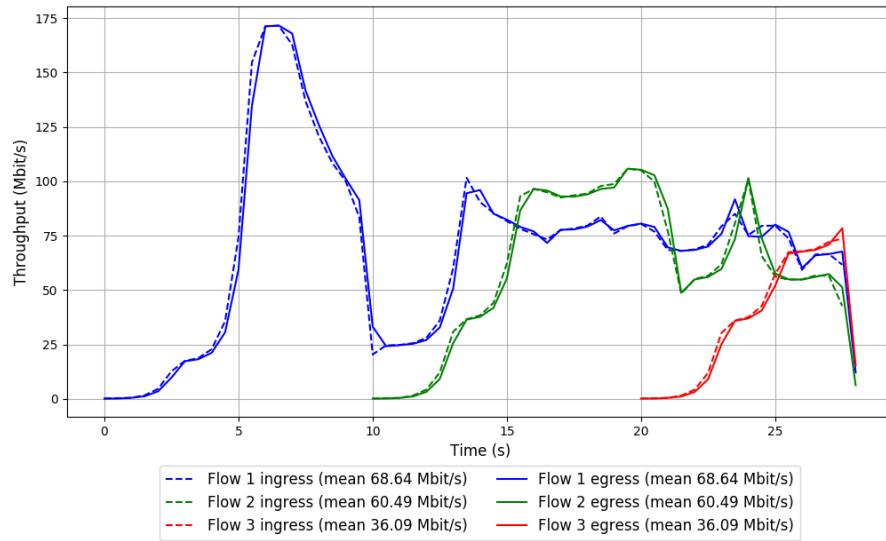
Run 3: Statistics of Copa

Start at: 2018-01-03 10:02:14

End at: 2018-01-03 10:02:44

```
# Below is generated by plot.py at 2018-01-03 13:29:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 117.71 Mbit/s
95th percentile per-packet one-way delay: 137.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.64 Mbit/s
95th percentile per-packet one-way delay: 136.514 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.49 Mbit/s
95th percentile per-packet one-way delay: 137.229 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.09 Mbit/s
95th percentile per-packet one-way delay: 136.796 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link



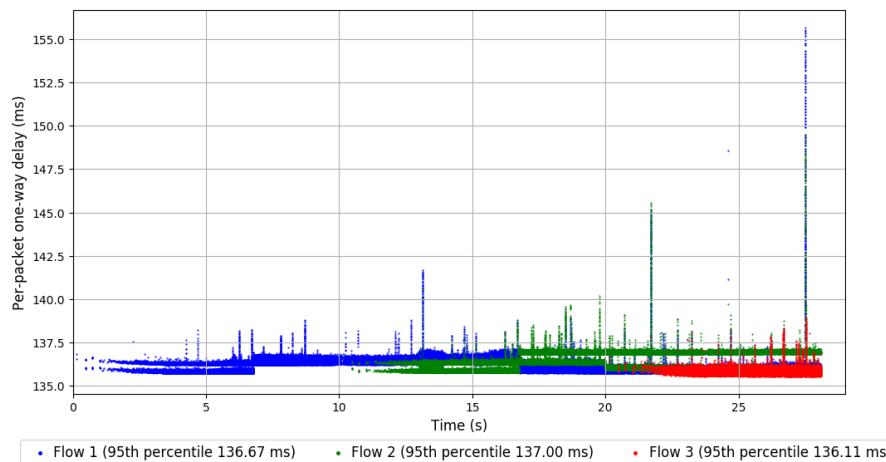
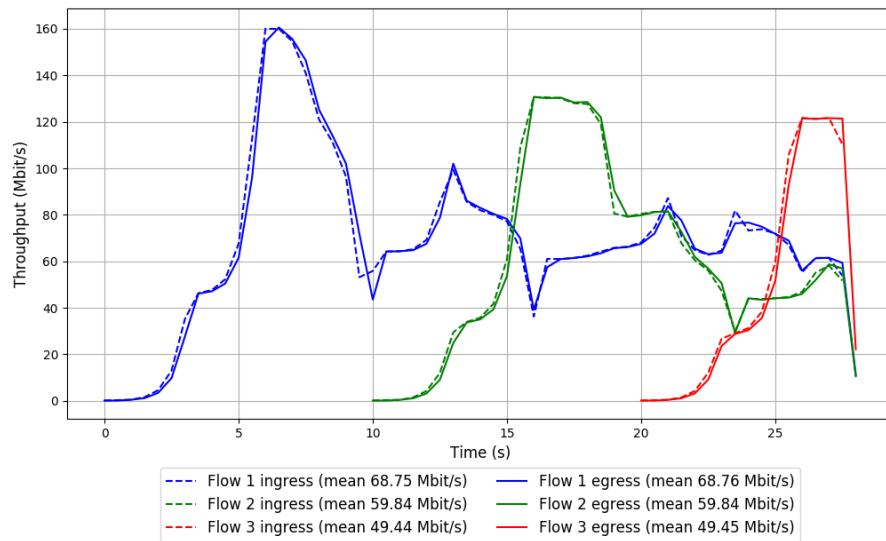
Run 4: Statistics of Copa

Start at: 2018-01-03 10:17:43

End at: 2018-01-03 10:18:13

```
# Below is generated by plot.py at 2018-01-03 13:30:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.21 Mbit/s
95th percentile per-packet one-way delay: 136.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.76 Mbit/s
95th percentile per-packet one-way delay: 136.669 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.84 Mbit/s
95th percentile per-packet one-way delay: 137.003 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.45 Mbit/s
95th percentile per-packet one-way delay: 136.108 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link



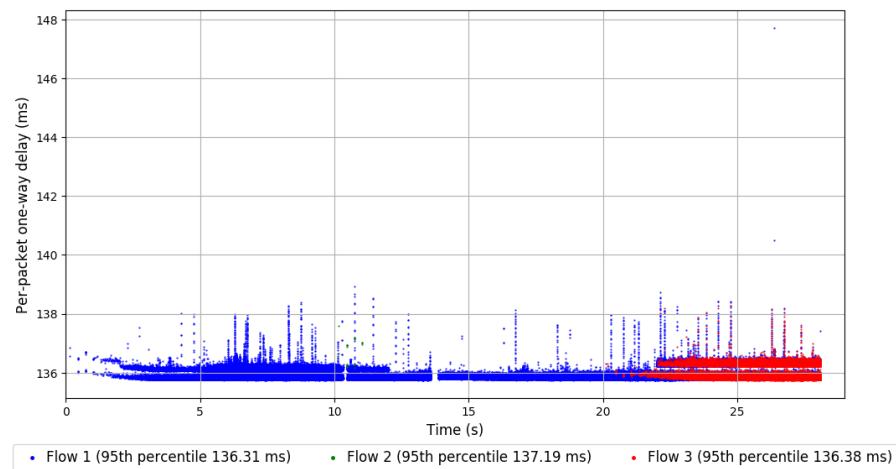
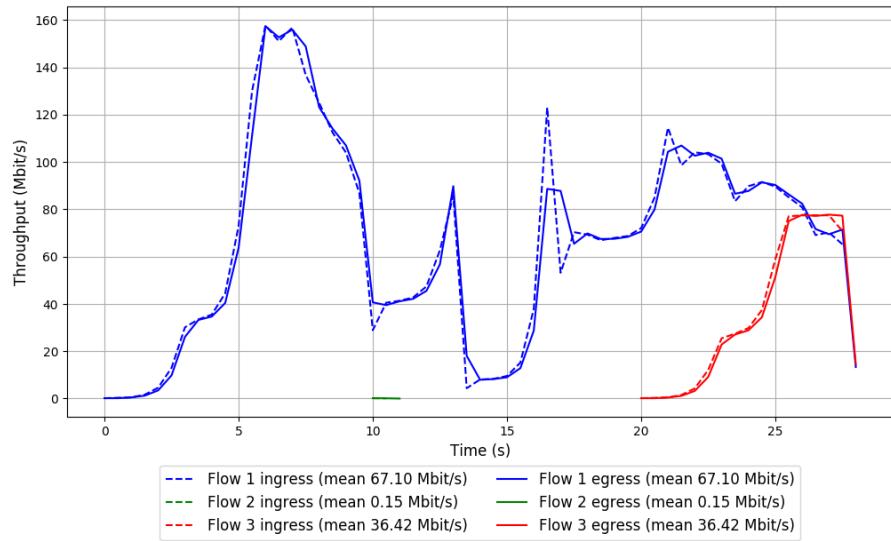
Run 5: Statistics of Copa

Start at: 2018-01-03 10:33:51

End at: 2018-01-03 10:34:21

```
# Below is generated by plot.py at 2018-01-03 13:30:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.45 Mbit/s
95th percentile per-packet one-way delay: 136.330 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.10 Mbit/s
95th percentile per-packet one-way delay: 136.311 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 137.192 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 136.380 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link



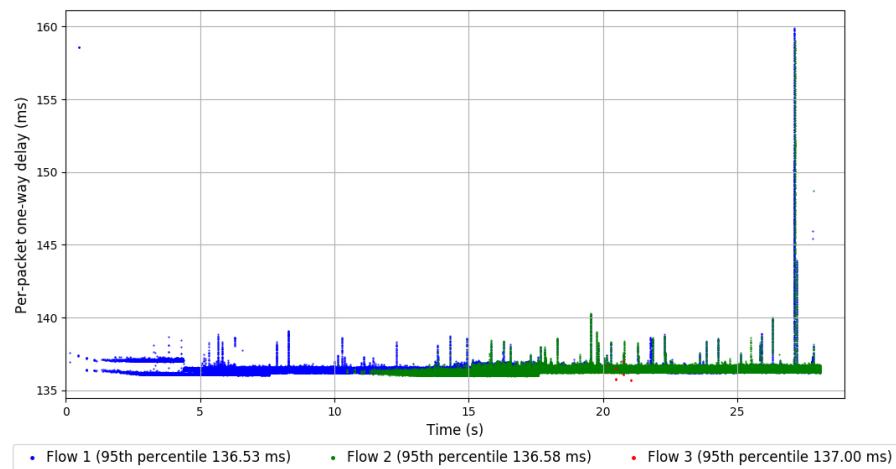
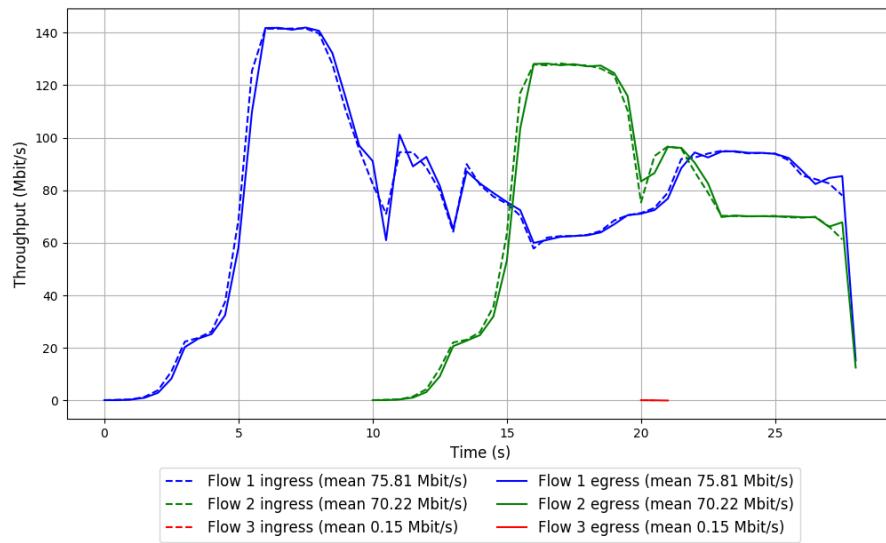
Run 6: Statistics of Copa

Start at: 2018-01-03 10:50:05

End at: 2018-01-03 10:50:35

```
# Below is generated by plot.py at 2018-01-03 13:31:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 120.89 Mbit/s
95th percentile per-packet one-way delay: 136.547 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.81 Mbit/s
95th percentile per-packet one-way delay: 136.525 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.22 Mbit/s
95th percentile per-packet one-way delay: 136.577 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.995 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link



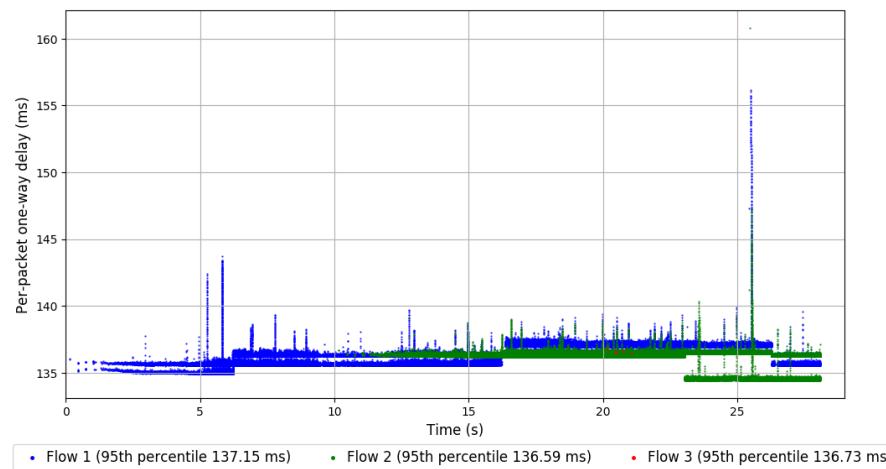
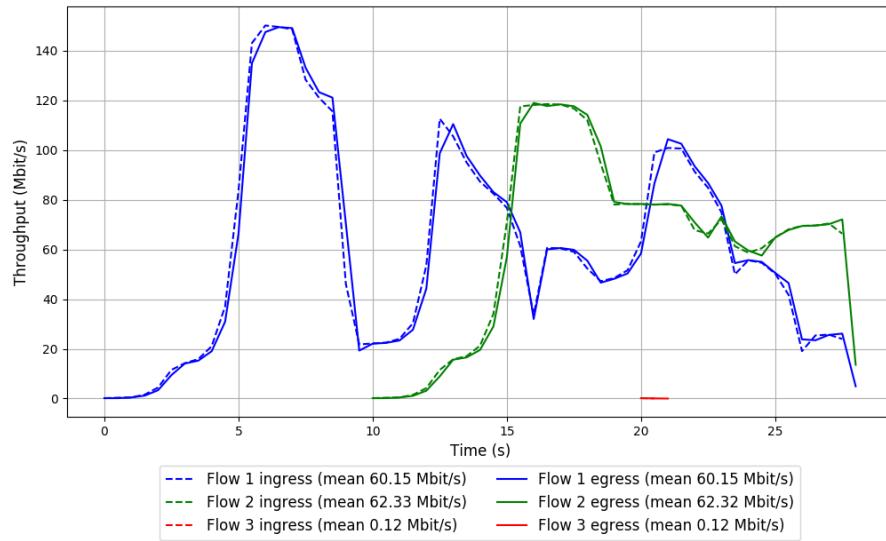
Run 7: Statistics of Copa

Start at: 2018-01-03 11:06:07

End at: 2018-01-03 11:06:37

```
# Below is generated by plot.py at 2018-01-03 13:31:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.16 Mbit/s
95th percentile per-packet one-way delay: 137.104 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.15 Mbit/s
95th percentile per-packet one-way delay: 137.154 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.32 Mbit/s
95th percentile per-packet one-way delay: 136.585 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 136.731 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link



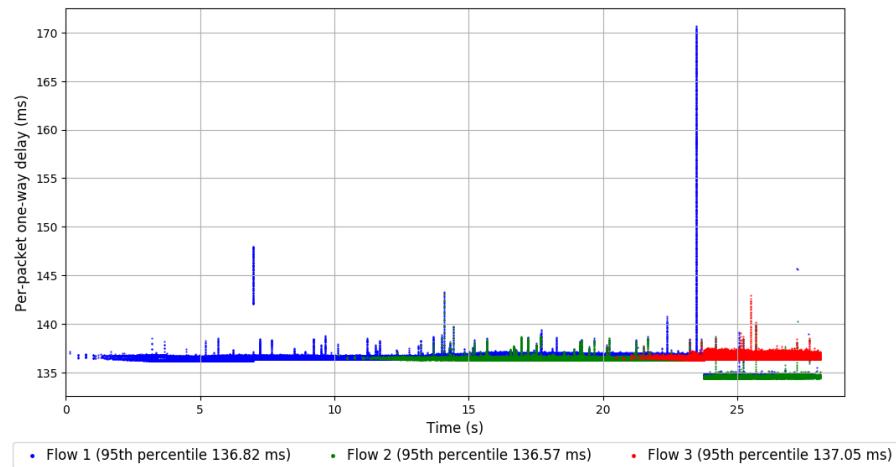
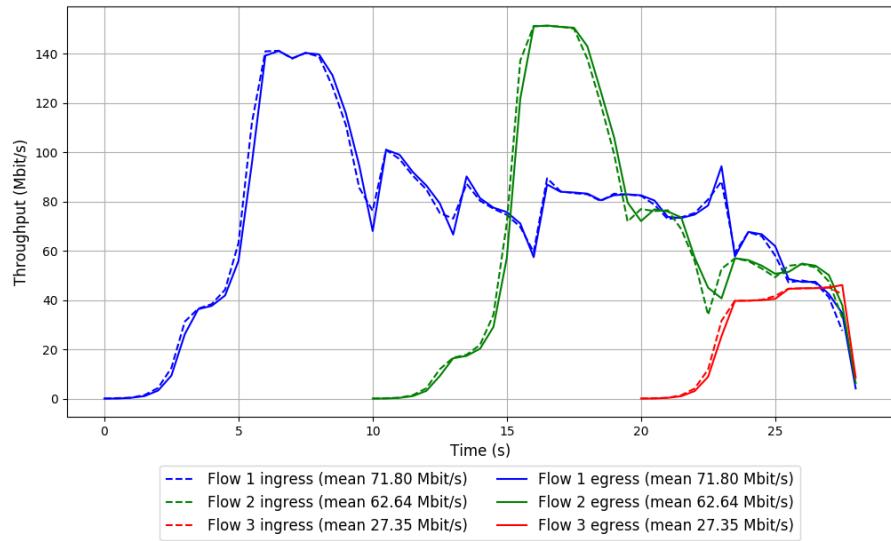
Run 8: Statistics of Copa

Start at: 2018-01-03 11:21:36

End at: 2018-01-03 11:22:06

```
# Below is generated by plot.py at 2018-01-03 13:32:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 119.77 Mbit/s
95th percentile per-packet one-way delay: 136.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.80 Mbit/s
95th percentile per-packet one-way delay: 136.817 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.64 Mbit/s
95th percentile per-packet one-way delay: 136.567 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.35 Mbit/s
95th percentile per-packet one-way delay: 137.046 ms
Loss rate: 0.01%
```

Run 8: Report of Copa — Data Link



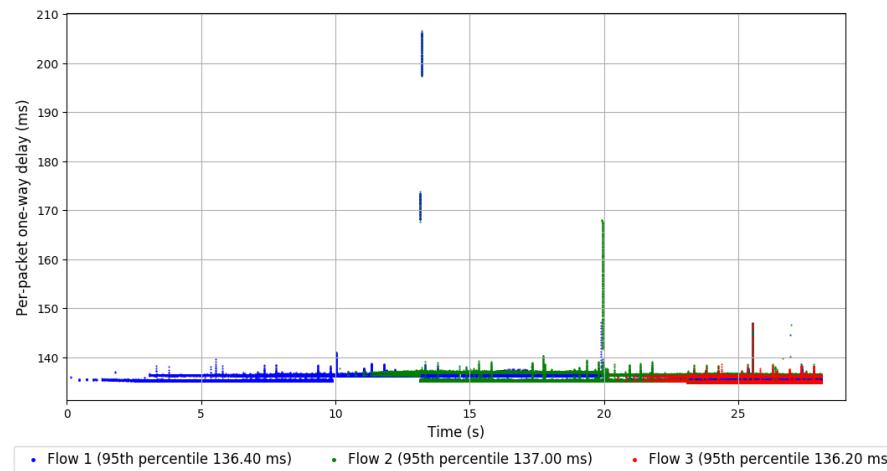
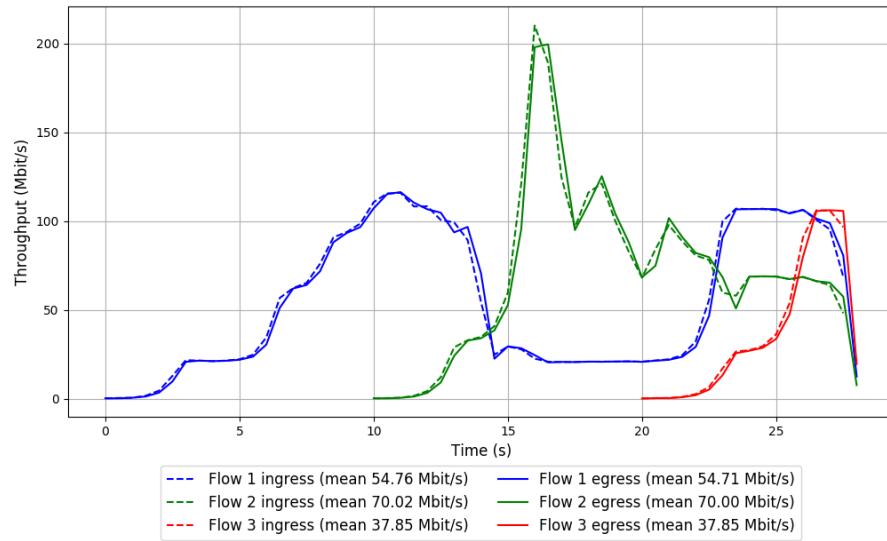
Run 9: Statistics of Copa

Start at: 2018-01-03 11:37:40

End at: 2018-01-03 11:38:10

```
# Below is generated by plot.py at 2018-01-03 13:32:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 110.39 Mbit/s
95th percentile per-packet one-way delay: 136.944 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 54.71 Mbit/s
95th percentile per-packet one-way delay: 136.403 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 70.00 Mbit/s
95th percentile per-packet one-way delay: 136.996 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 37.85 Mbit/s
95th percentile per-packet one-way delay: 136.199 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link



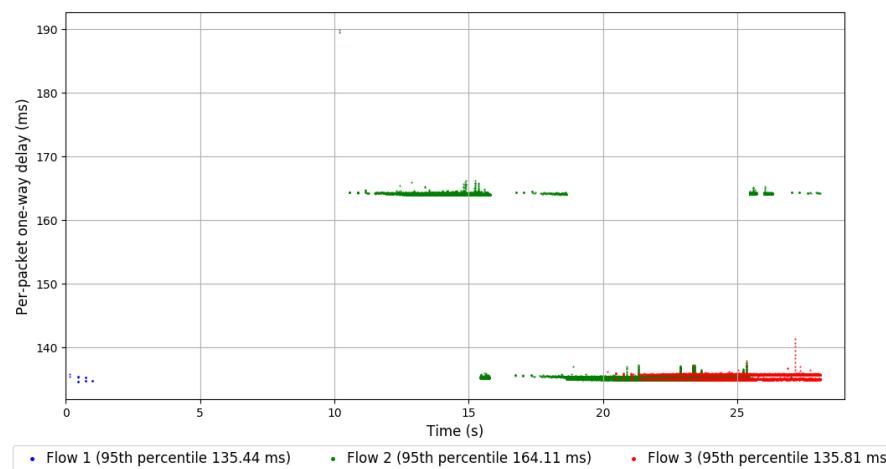
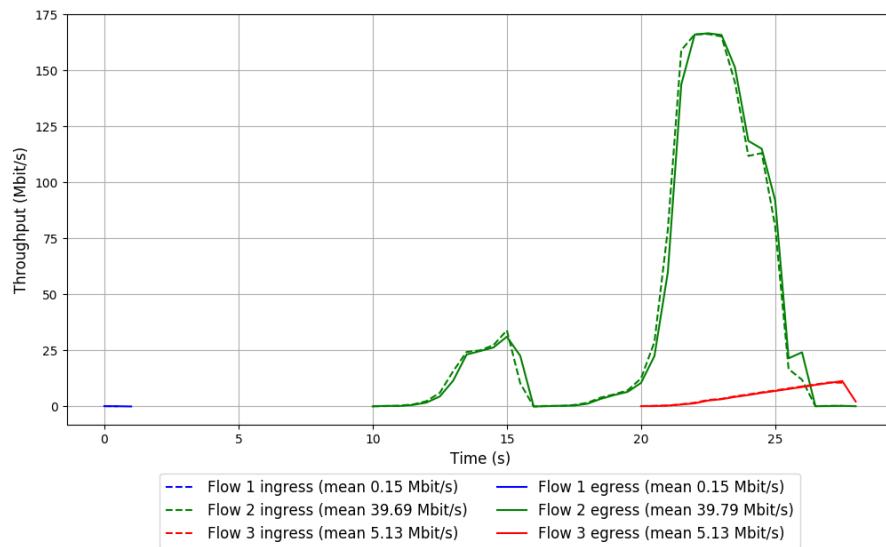
Run 10: Statistics of Copa

Start at: 2018-01-03 11:53:34

End at: 2018-01-03 11:54:04

```
# Below is generated by plot.py at 2018-01-03 13:32:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.91 Mbit/s
95th percentile per-packet one-way delay: 164.100 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 135.437 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.79 Mbit/s
95th percentile per-packet one-way delay: 164.107 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.13 Mbit/s
95th percentile per-packet one-way delay: 135.810 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

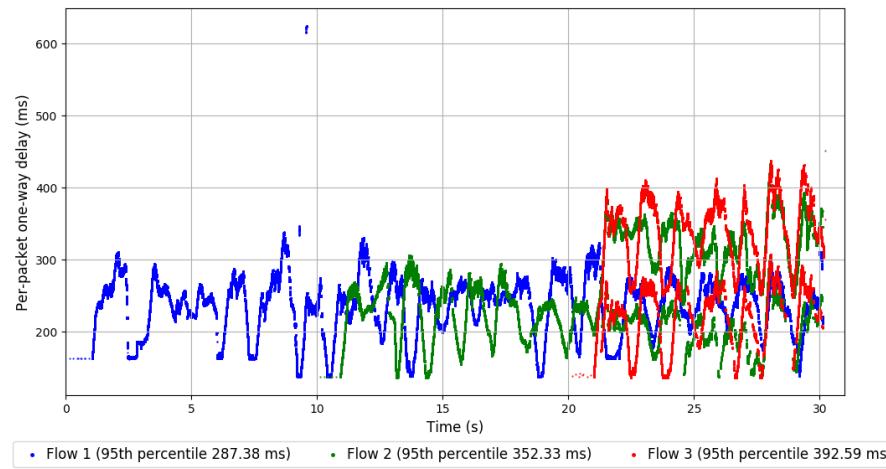
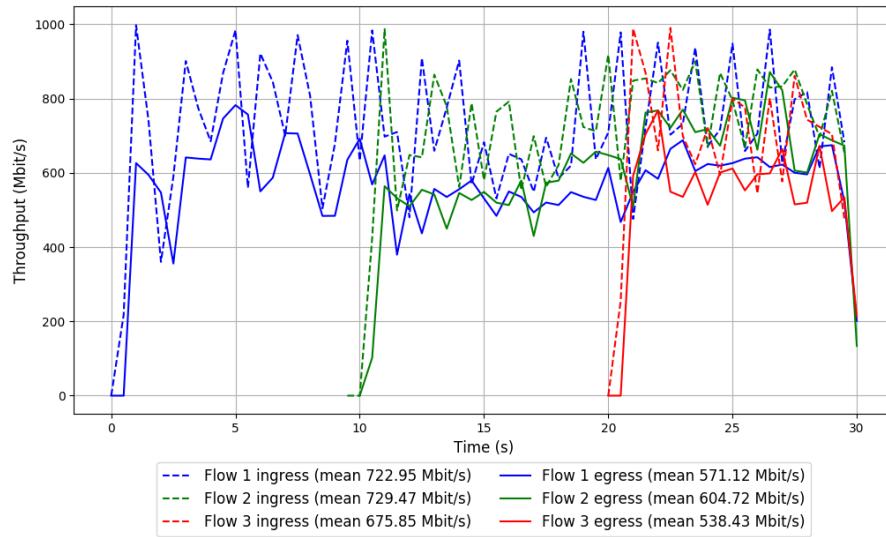


```
Run 1: Statistics of FillP

Start at: 2018-01-03 09:27:13
End at: 2018-01-03 09:27:43

# Below is generated by plot.py at 2018-01-03 13:50:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1154.15 Mbit/s
95th percentile per-packet one-way delay: 356.503 ms
Loss rate: 19.11%
-- Flow 1:
Average throughput: 571.12 Mbit/s
95th percentile per-packet one-way delay: 287.380 ms
Loss rate: 20.87%
-- Flow 2:
Average throughput: 604.72 Mbit/s
95th percentile per-packet one-way delay: 352.328 ms
Loss rate: 16.48%
-- Flow 3:
Average throughput: 538.43 Mbit/s
95th percentile per-packet one-way delay: 392.593 ms
Loss rate: 19.15%
```

Run 1: Report of FillP — Data Link



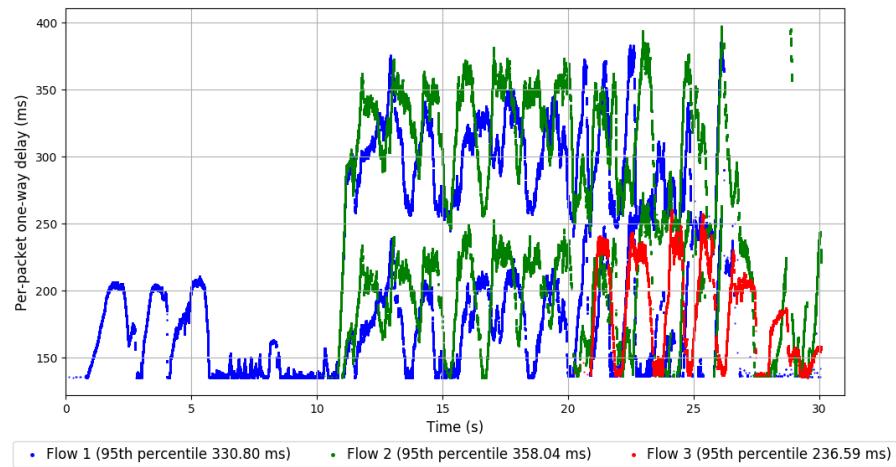
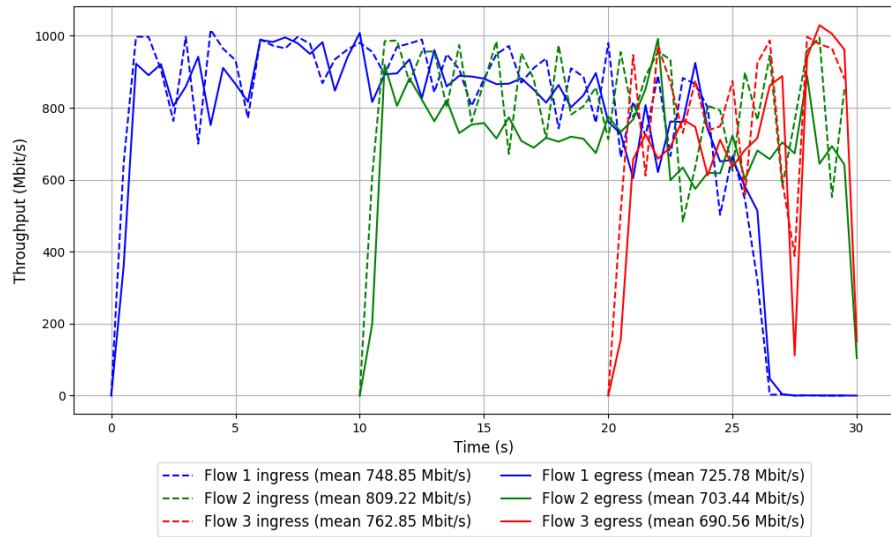
Run 2: Statistics of FillP

Start at: 2018-01-03 09:42:52

End at: 2018-01-03 09:43:22

```
# Below is generated by plot.py at 2018-01-03 13:55:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1421.68 Mbit/s
95th percentile per-packet one-way delay: 345.862 ms
Loss rate: 7.63%
-- Flow 1:
Average throughput: 725.78 Mbit/s
95th percentile per-packet one-way delay: 330.802 ms
Loss rate: 3.08%
-- Flow 2:
Average throughput: 703.44 Mbit/s
95th percentile per-packet one-way delay: 358.038 ms
Loss rate: 13.07%
-- Flow 3:
Average throughput: 690.56 Mbit/s
95th percentile per-packet one-way delay: 236.587 ms
Loss rate: 9.50%
```

Run 2: Report of FillP — Data Link



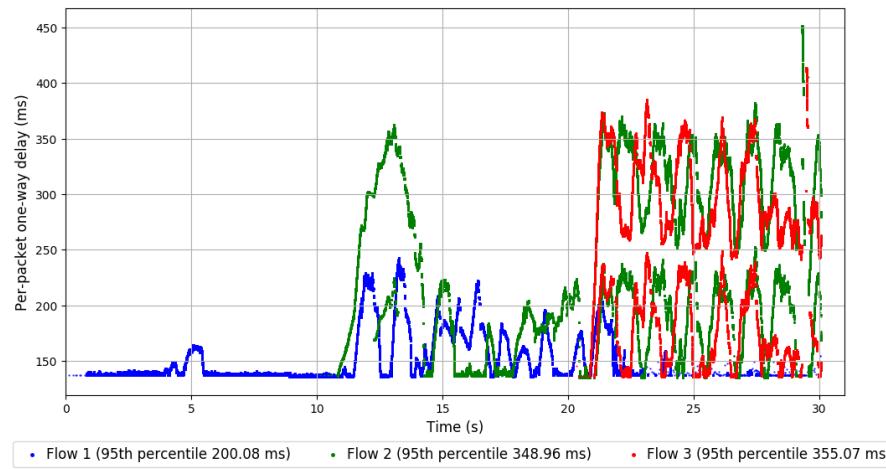
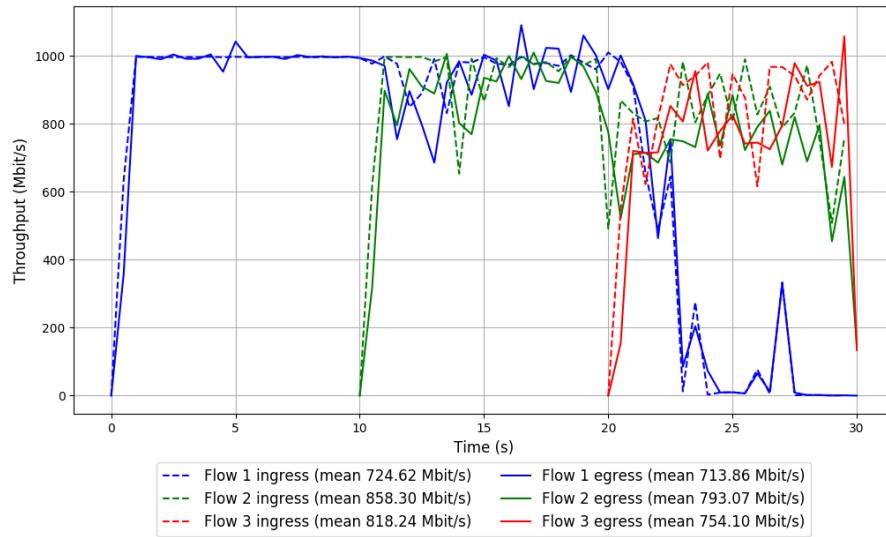
Run 3: Statistics of FillP

Start at: 2018-01-03 09:58:56

End at: 2018-01-03 09:59:26

```
# Below is generated by plot.py at 2018-01-03 13:56:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1490.22 Mbit/s
95th percentile per-packet one-way delay: 341.025 ms
Loss rate: 4.81%
-- Flow 1:
Average throughput: 713.86 Mbit/s
95th percentile per-packet one-way delay: 200.081 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 793.07 Mbit/s
95th percentile per-packet one-way delay: 348.959 ms
Loss rate: 7.60%
-- Flow 3:
Average throughput: 754.10 Mbit/s
95th percentile per-packet one-way delay: 355.070 ms
Loss rate: 7.96%
```

Run 3: Report of FillP — Data Link

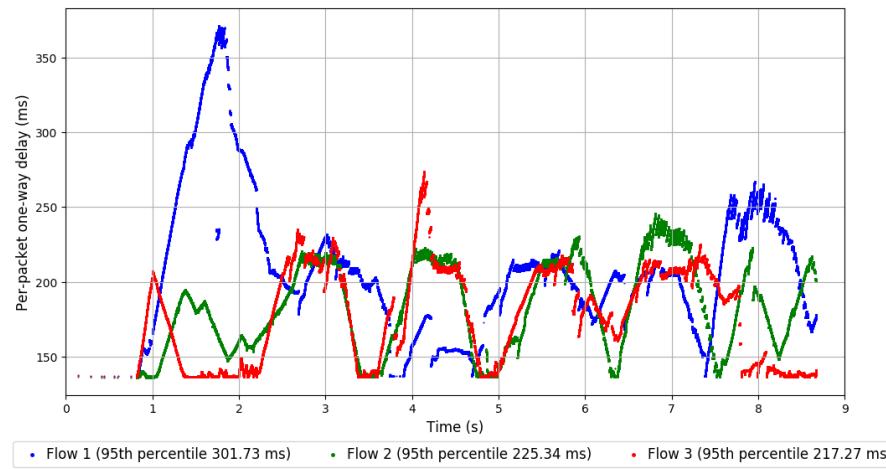
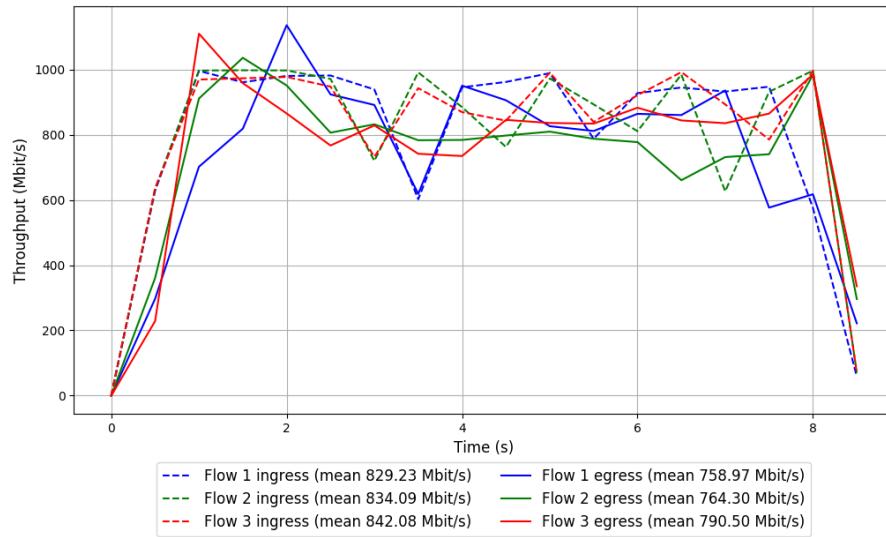


Run 4: Statistics of FillP

Start at: 2018-01-03 10:15:07

End at: 2018-01-03 10:15:37

Run 4: Report of FillP — Data Link



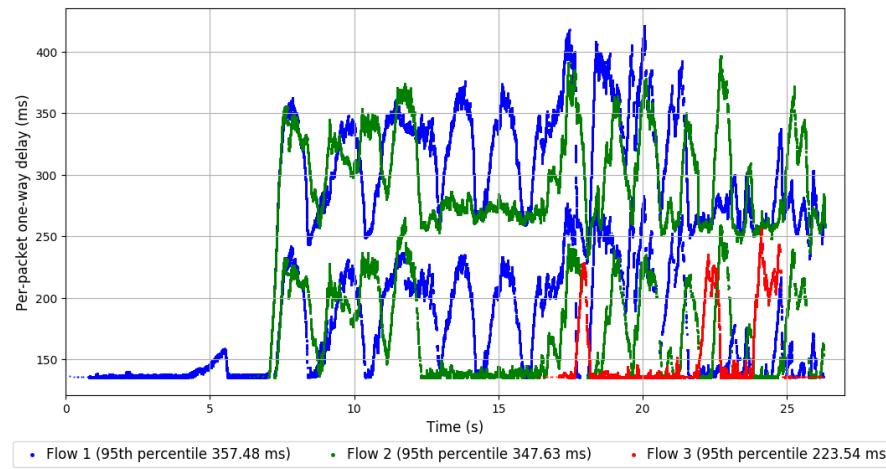
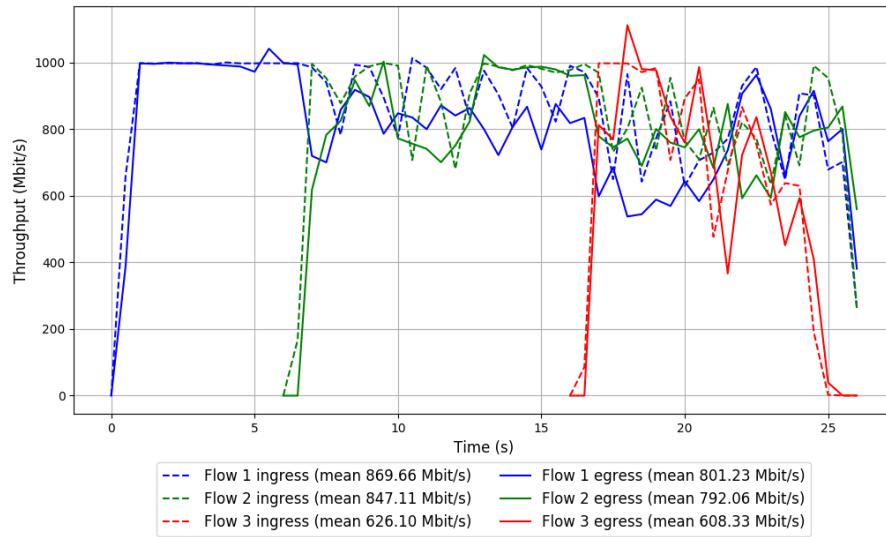
Run 5: Statistics of FillP

Start at: 2018-01-03 10:30:30

End at: 2018-01-03 10:31:00

```
# Below is generated by plot.py at 2018-01-03 13:56:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1634.09 Mbit/s
95th percentile per-packet one-way delay: 350.252 ms
Loss rate: 6.76%
-- Flow 1:
Average throughput: 801.23 Mbit/s
95th percentile per-packet one-way delay: 357.476 ms
Loss rate: 7.86%
-- Flow 2:
Average throughput: 792.06 Mbit/s
95th percentile per-packet one-way delay: 347.628 ms
Loss rate: 6.70%
-- Flow 3:
Average throughput: 608.33 Mbit/s
95th percentile per-packet one-way delay: 223.543 ms
Loss rate: 2.84%
```

Run 5: Report of FillP — Data Link



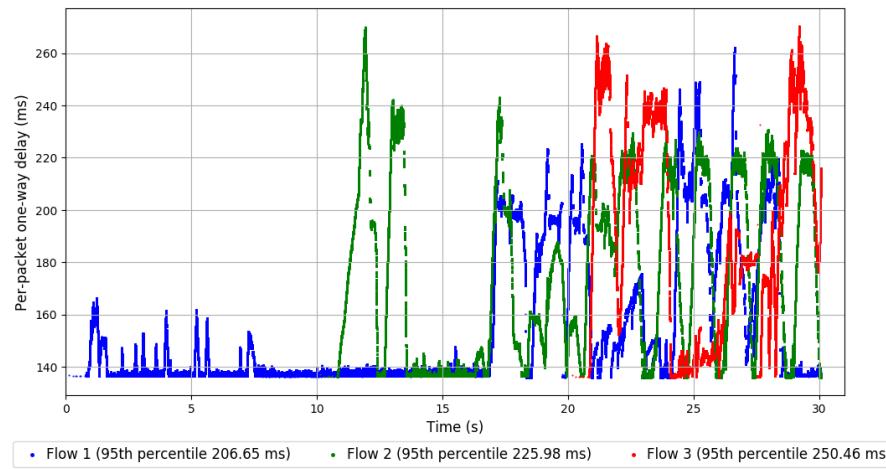
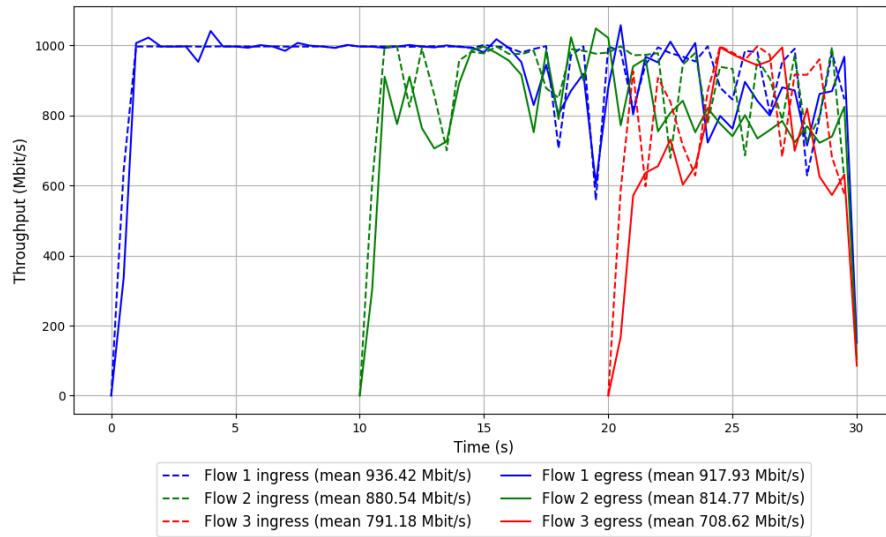
Run 6: Statistics of FillP

Start at: 2018-01-03 10:46:44

End at: 2018-01-03 10:47:14

```
# Below is generated by plot.py at 2018-01-03 14:03:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1695.28 Mbit/s
95th percentile per-packet one-way delay: 227.892 ms
Loss rate: 5.02%
-- Flow 1:
Average throughput: 917.93 Mbit/s
95th percentile per-packet one-way delay: 206.648 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 814.77 Mbit/s
95th percentile per-packet one-way delay: 225.982 ms
Loss rate: 7.47%
-- Flow 3:
Average throughput: 708.62 Mbit/s
95th percentile per-packet one-way delay: 250.463 ms
Loss rate: 10.43%
```

Run 6: Report of FillP — Data Link



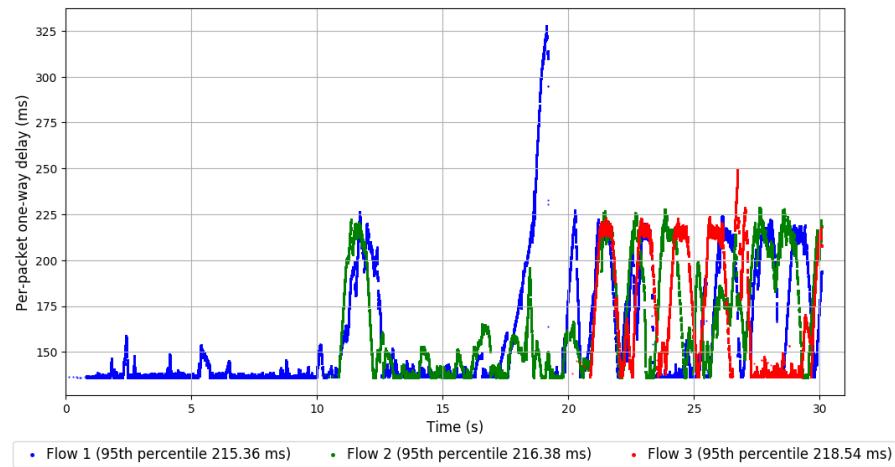
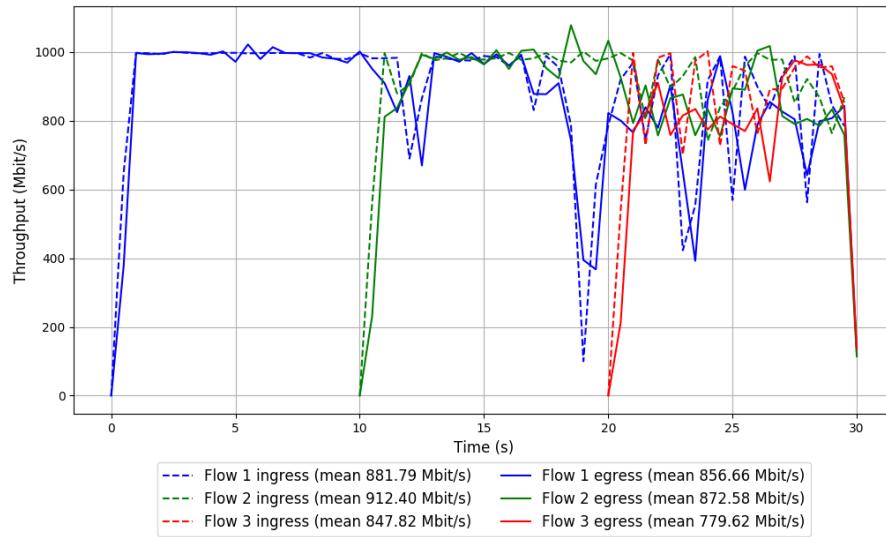
Run 7: Statistics of FillP

Start at: 2018-01-03 11:02:41

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

```
# Below is generated by plot.py at 2018-01-03 14:03:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1694.90 Mbit/s
95th percentile per-packet one-way delay: 216.735 ms
Loss rate: 4.19%
-- Flow 1:
Average throughput: 856.66 Mbit/s
95th percentile per-packet one-way delay: 215.360 ms
Loss rate: 2.84%
-- Flow 2:
Average throughput: 872.58 Mbit/s
95th percentile per-packet one-way delay: 216.377 ms
Loss rate: 4.36%
-- Flow 3:
Average throughput: 779.62 Mbit/s
95th percentile per-packet one-way delay: 218.543 ms
Loss rate: 8.04%
```

Run 7: Report of FillP — Data Link

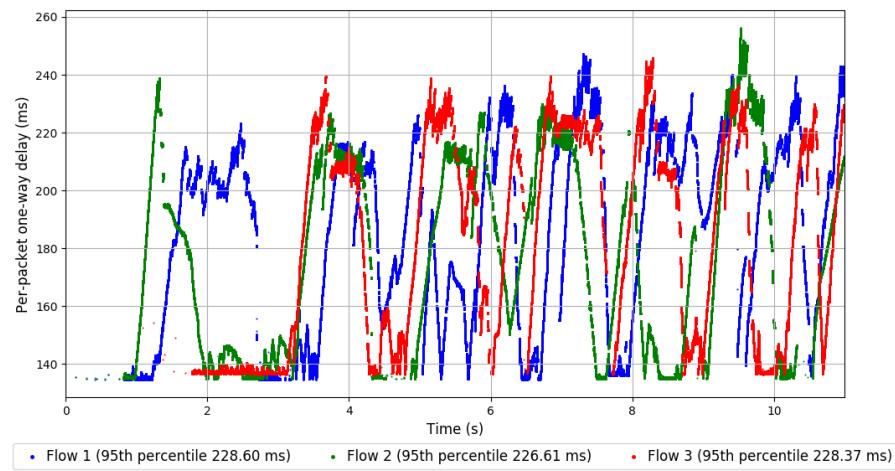
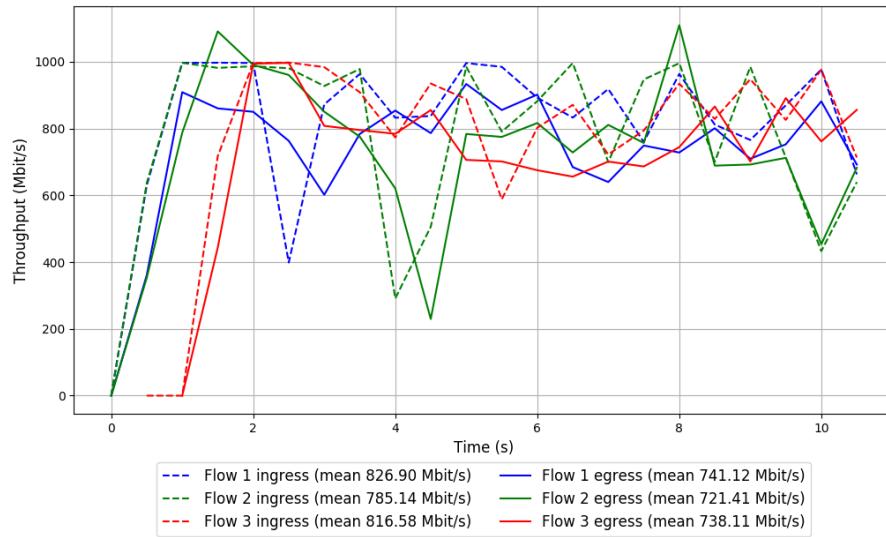


Run 8: Statistics of FillP

Start at: 2018-01-03 11:18:55

End at: 2018-01-03 11:19:26

Run 8: Report of FillP — Data Link



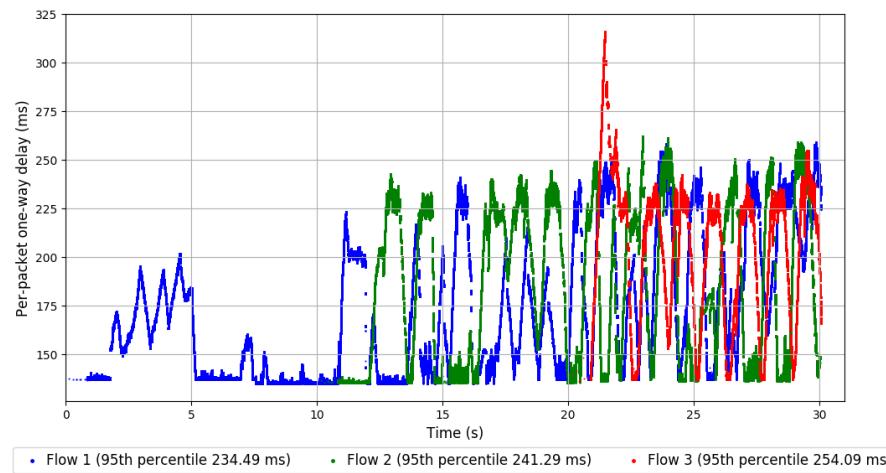
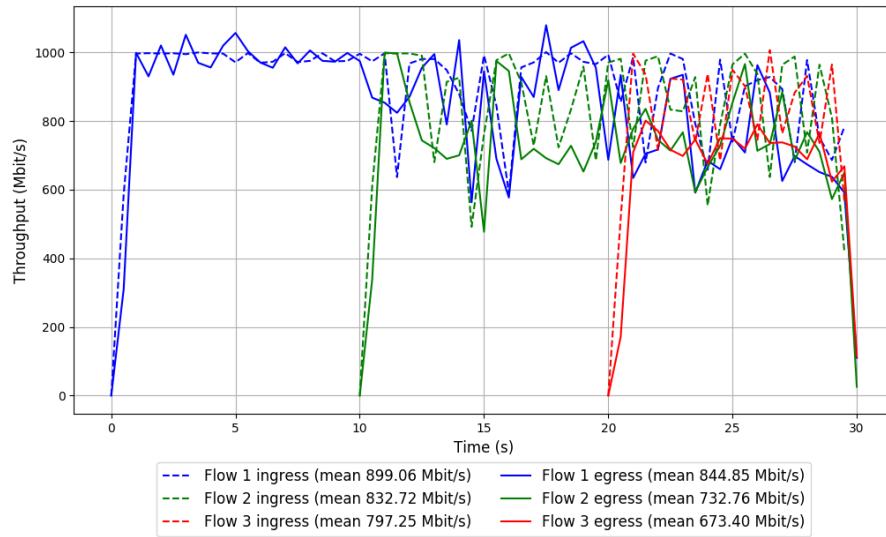
Run 9: Statistics of FillP

Start at: 2018-01-03 11:34:24

End at: 2018-01-03 11:34:54

```
# Below is generated by plot.py at 2018-01-03 14:07:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1554.28 Mbit/s
95th percentile per-packet one-way delay: 238.834 ms
Loss rate: 9.41%
-- Flow 1:
Average throughput: 844.85 Mbit/s
95th percentile per-packet one-way delay: 234.493 ms
Loss rate: 6.03%
-- Flow 2:
Average throughput: 732.76 Mbit/s
95th percentile per-packet one-way delay: 241.288 ms
Loss rate: 11.96%
-- Flow 3:
Average throughput: 673.40 Mbit/s
95th percentile per-packet one-way delay: 254.085 ms
Loss rate: 15.56%
```

Run 9: Report of FillP — Data Link



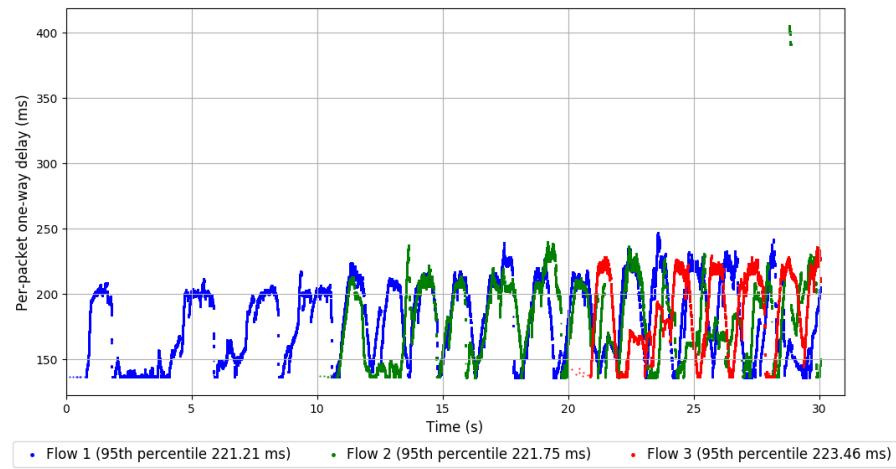
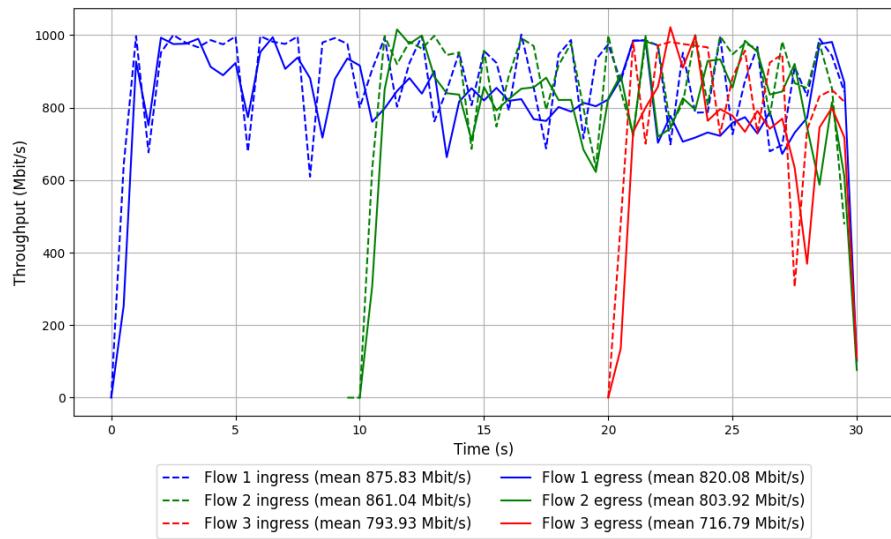
Run 10: Statistics of FillP

Start at: 2018-01-03 11:50:17

End at: 2018-01-03 11:50:47

```
# Below is generated by plot.py at 2018-01-03 14:07:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1592.73 Mbit/s
95th percentile per-packet one-way delay: 222.162 ms
Loss rate: 6.98%
-- Flow 1:
Average throughput: 820.08 Mbit/s
95th percentile per-packet one-way delay: 221.212 ms
Loss rate: 6.37%
-- Flow 2:
Average throughput: 803.92 Mbit/s
95th percentile per-packet one-way delay: 221.746 ms
Loss rate: 6.64%
-- Flow 3:
Average throughput: 716.79 Mbit/s
95th percentile per-packet one-way delay: 223.455 ms
Loss rate: 9.77%
```

Run 10: Report of FillP — Data Link



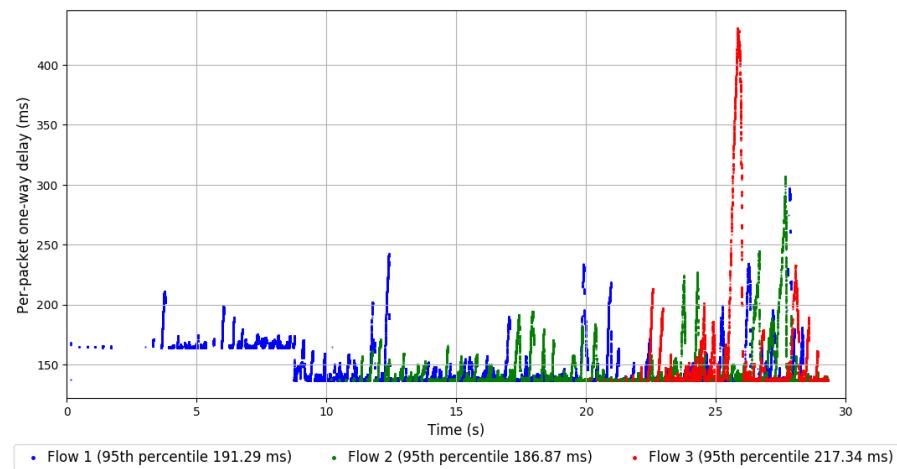
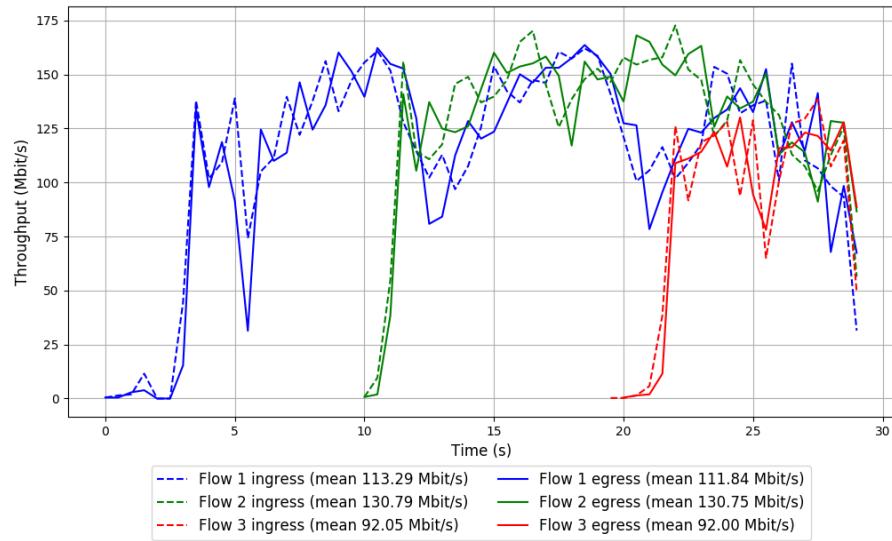
Run 1: Statistics of Indigo

Start at: 2018-01-03 09:17:55

End at: 2018-01-03 09:18:25

```
# Below is generated by plot.py at 2018-01-03 14:07:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 226.50 Mbit/s
95th percentile per-packet one-way delay: 193.404 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 111.84 Mbit/s
95th percentile per-packet one-way delay: 191.290 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 130.75 Mbit/s
95th percentile per-packet one-way delay: 186.868 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 217.345 ms
Loss rate: 0.06%
```

Run 1: Report of Indigo — Data Link



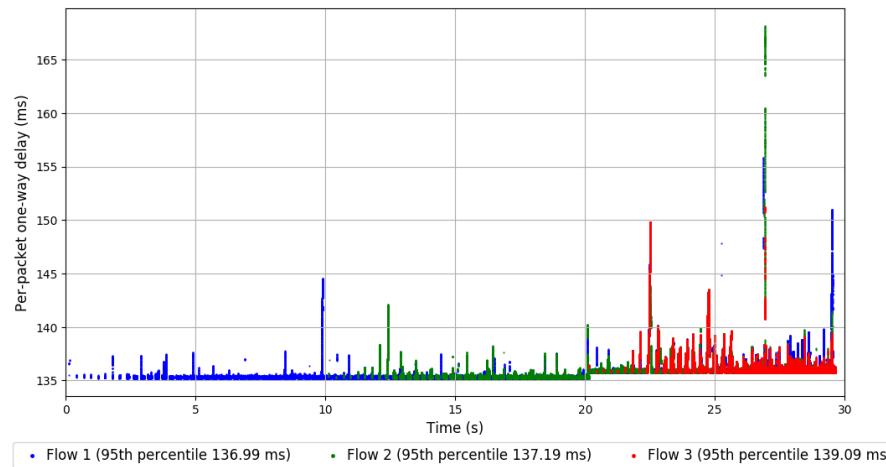
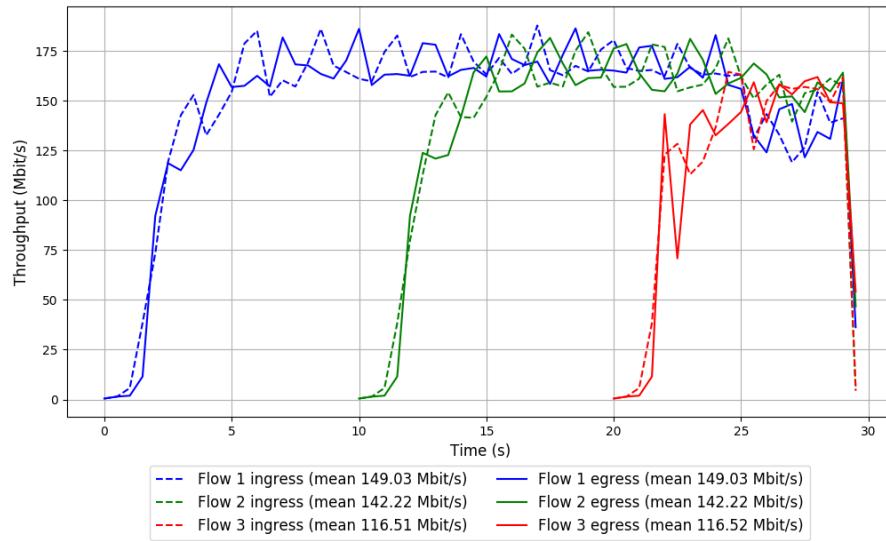
Run 2: Statistics of Indigo

Start at: 2018-01-03 09:33:24

End at: 2018-01-03 09:33:54

```
# Below is generated by plot.py at 2018-01-03 14:07:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 280.32 Mbit/s
95th percentile per-packet one-way delay: 137.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.03 Mbit/s
95th percentile per-packet one-way delay: 136.988 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 142.22 Mbit/s
95th percentile per-packet one-way delay: 137.194 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.52 Mbit/s
95th percentile per-packet one-way delay: 139.091 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link



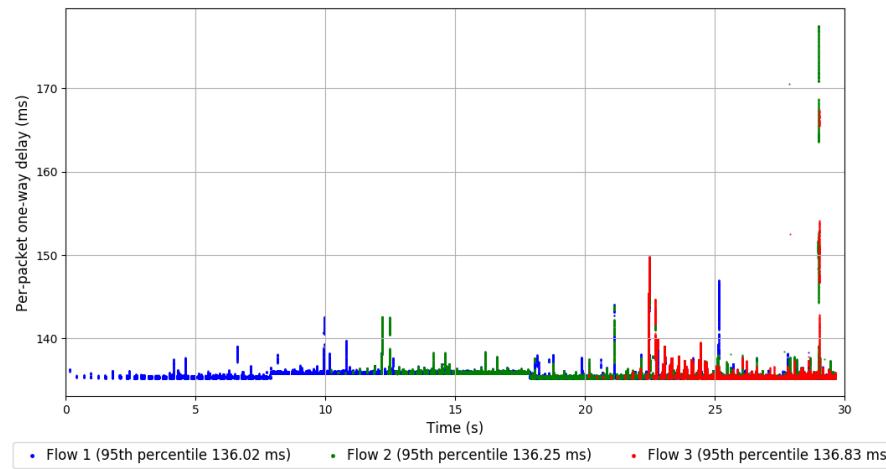
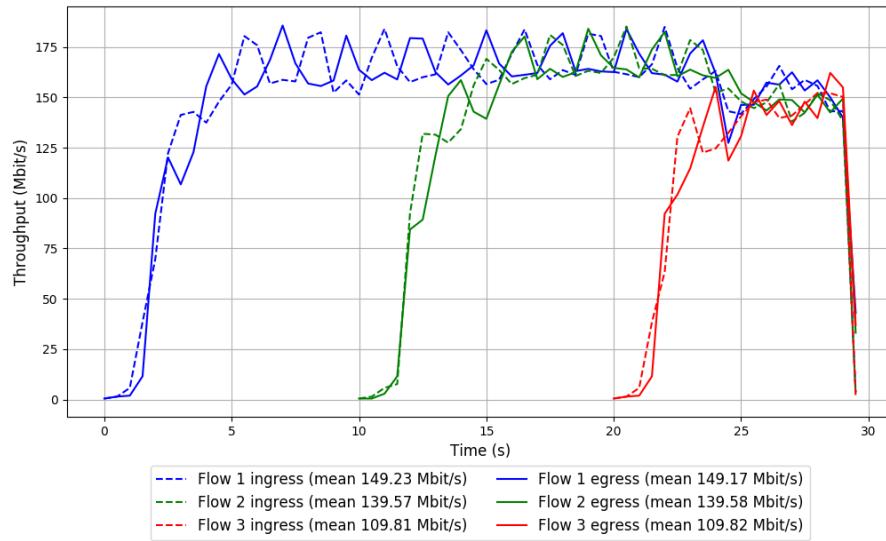
Run 3: Statistics of Indigo

Start at: 2018-01-03 09:49:27

End at: 2018-01-03 09:49:57

```
# Below is generated by plot.py at 2018-01-03 14:07:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 276.39 Mbit/s
95th percentile per-packet one-way delay: 136.144 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 149.17 Mbit/s
95th percentile per-packet one-way delay: 136.016 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 139.58 Mbit/s
95th percentile per-packet one-way delay: 136.252 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 109.82 Mbit/s
95th percentile per-packet one-way delay: 136.832 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link



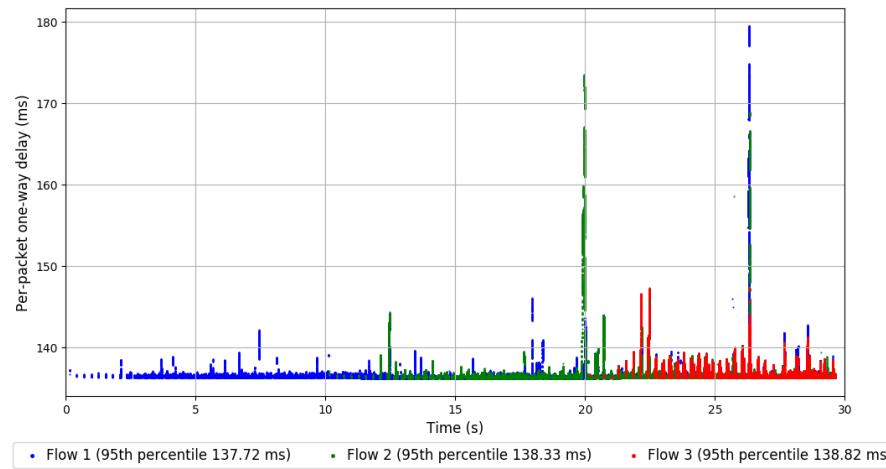
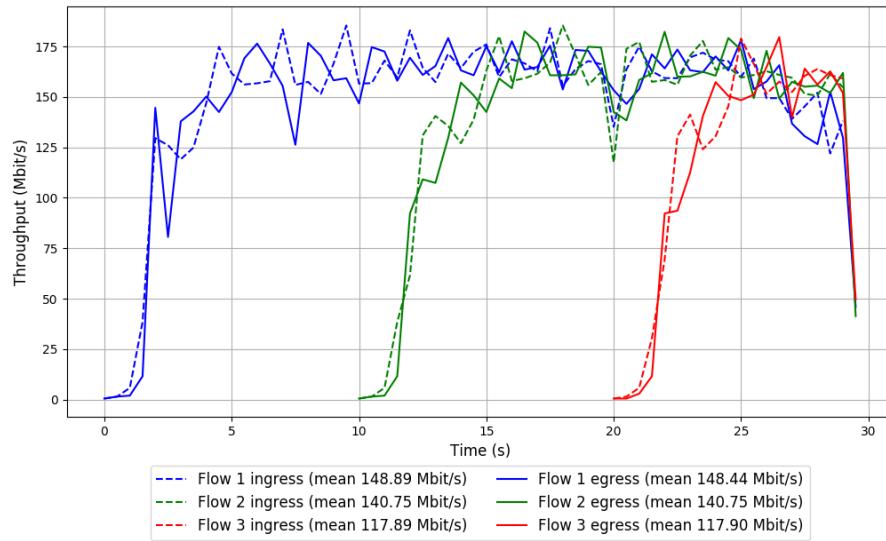
Run 4: Statistics of Indigo

Start at: 2018-01-03 10:05:23

End at: 2018-01-03 10:05:53

```
# Below is generated by plot.py at 2018-01-03 14:07:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 279.20 Mbit/s
95th percentile per-packet one-way delay: 138.135 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 148.44 Mbit/s
95th percentile per-packet one-way delay: 137.721 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 140.75 Mbit/s
95th percentile per-packet one-way delay: 138.327 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 117.90 Mbit/s
95th percentile per-packet one-way delay: 138.818 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link



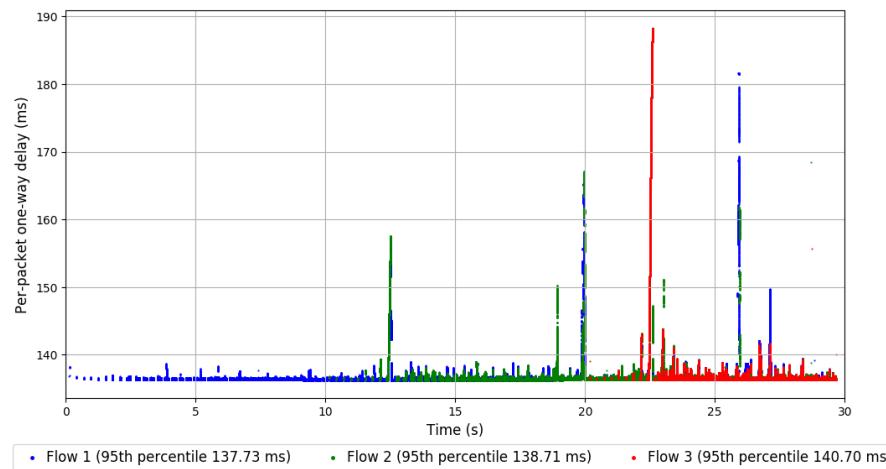
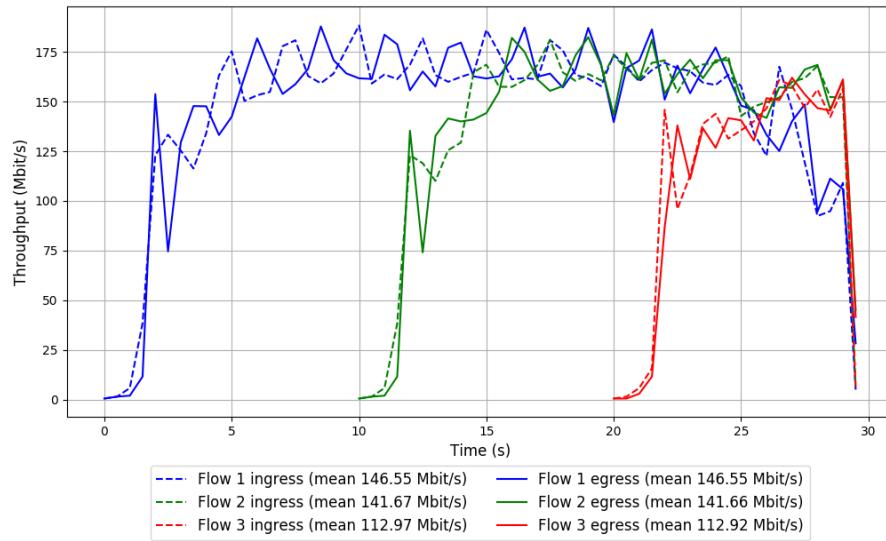
Run 5: Statistics of Indigo

Start at: 2018-01-03 10:20:45

End at: 2018-01-03 10:21:15

```
# Below is generated by plot.py at 2018-01-03 14:07:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 276.35 Mbit/s
95th percentile per-packet one-way delay: 138.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.55 Mbit/s
95th percentile per-packet one-way delay: 137.728 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 141.66 Mbit/s
95th percentile per-packet one-way delay: 138.708 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 112.92 Mbit/s
95th percentile per-packet one-way delay: 140.697 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo — Data Link



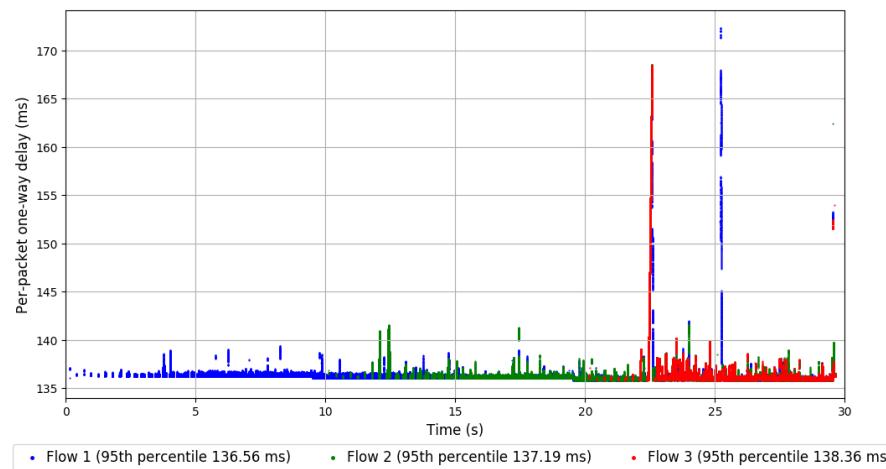
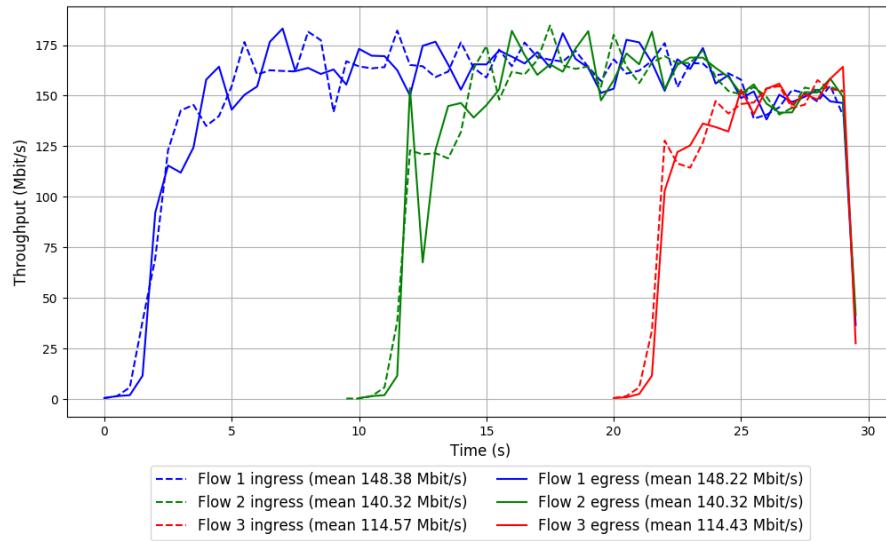
Run 6: Statistics of Indigo

Start at: 2018-01-03 10:36:55

End at: 2018-01-03 10:37:25

```
# Below is generated by plot.py at 2018-01-03 14:07:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 277.74 Mbit/s
95th percentile per-packet one-way delay: 136.945 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 148.22 Mbit/s
95th percentile per-packet one-way delay: 136.556 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 140.32 Mbit/s
95th percentile per-packet one-way delay: 137.195 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.43 Mbit/s
95th percentile per-packet one-way delay: 138.361 ms
Loss rate: 0.13%
```

Run 6: Report of Indigo — Data Link



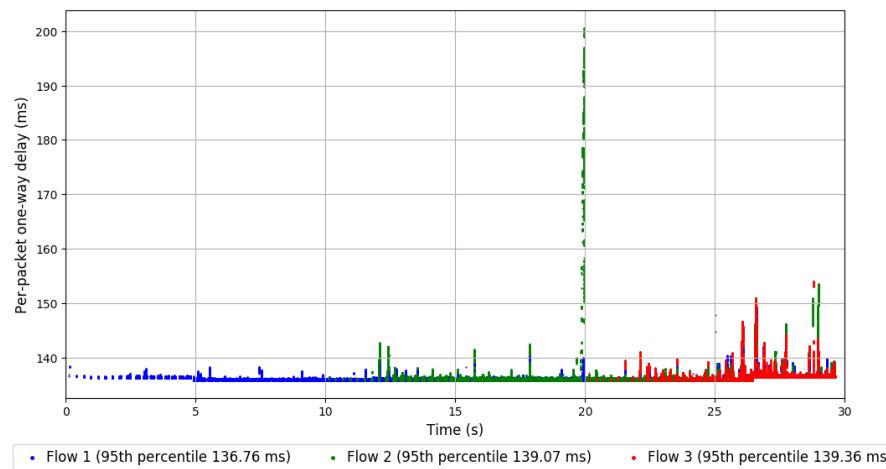
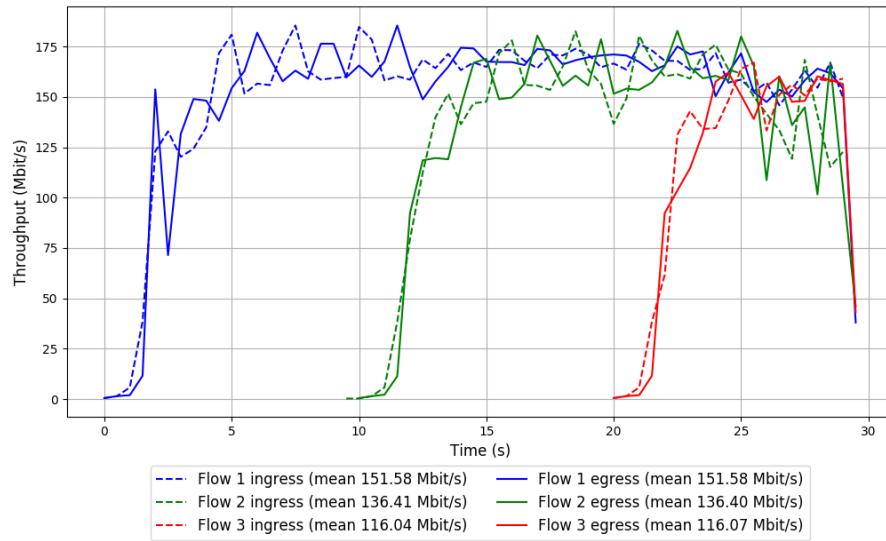
Run 7: Statistics of Indigo

Start at: 2018-01-03 10:53:10

End at: 2018-01-03 10:53:40

```
# Below is generated by plot.py at 2018-01-03 14:07:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 279.04 Mbit/s
95th percentile per-packet one-way delay: 137.669 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.58 Mbit/s
95th percentile per-packet one-way delay: 136.761 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 136.40 Mbit/s
95th percentile per-packet one-way delay: 139.072 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.07 Mbit/s
95th percentile per-packet one-way delay: 139.362 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link



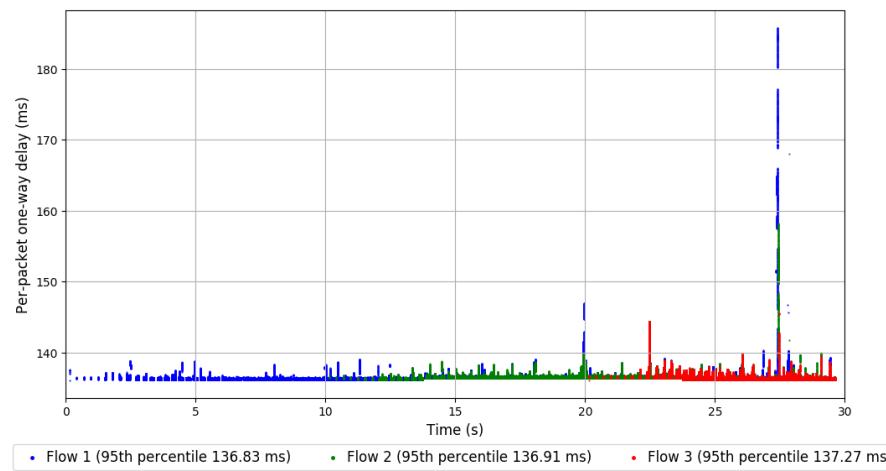
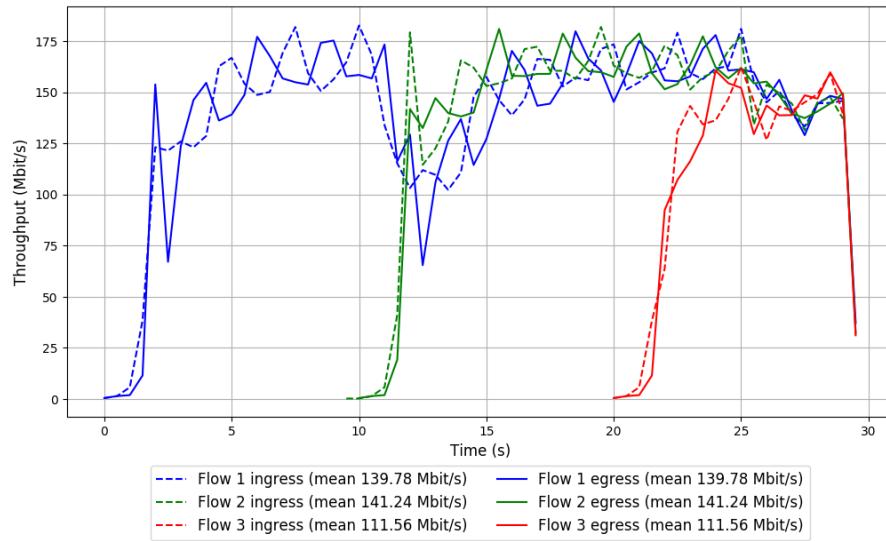
Run 8: Statistics of Indigo

Start at: 2018-01-03 11:09:11

End at: 2018-01-03 11:09:41

```
# Below is generated by plot.py at 2018-01-03 14:07:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 268.98 Mbit/s
95th percentile per-packet one-way delay: 136.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 139.78 Mbit/s
95th percentile per-packet one-way delay: 136.827 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 141.24 Mbit/s
95th percentile per-packet one-way delay: 136.908 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 111.56 Mbit/s
95th percentile per-packet one-way delay: 137.266 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link



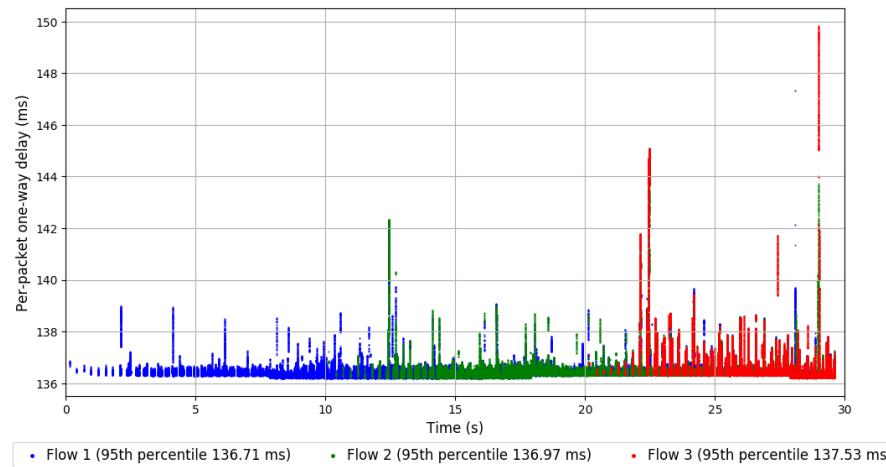
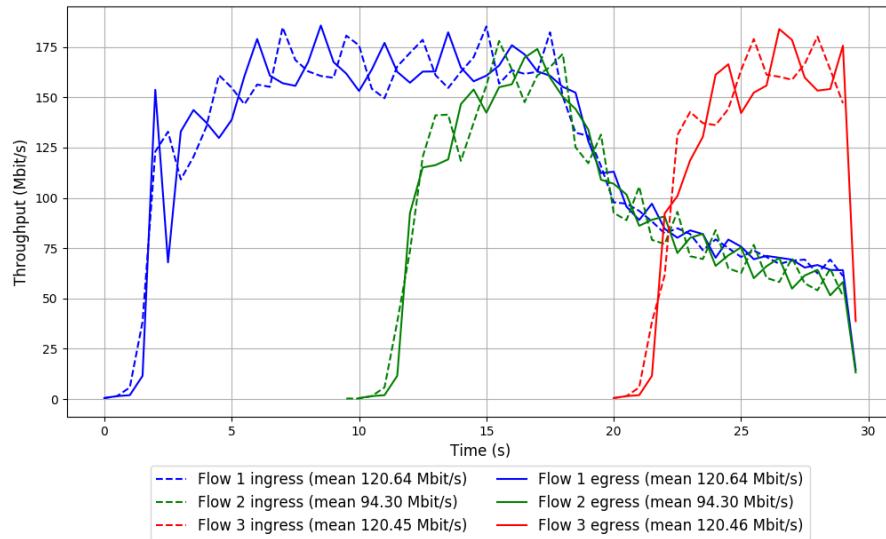
Run 9: Statistics of Indigo

Start at: 2018-01-03 11:24:47

End at: 2018-01-03 11:25:17

```
# Below is generated by plot.py at 2018-01-03 14:07:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 221.56 Mbit/s
95th percentile per-packet one-way delay: 136.943 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 120.64 Mbit/s
95th percentile per-packet one-way delay: 136.711 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 136.971 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 120.46 Mbit/s
95th percentile per-packet one-way delay: 137.527 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-03 11:40:53

End at: 2018-01-03 11:41:23

```
# Below is generated by plot.py at 2018-01-03 14:07:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 269.93 Mbit/s
95th percentile per-packet one-way delay: 136.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.89 Mbit/s
95th percentile per-packet one-way delay: 135.750 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 128.57 Mbit/s
95th percentile per-packet one-way delay: 136.163 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 104.42 Mbit/s
95th percentile per-packet one-way delay: 136.766 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

