

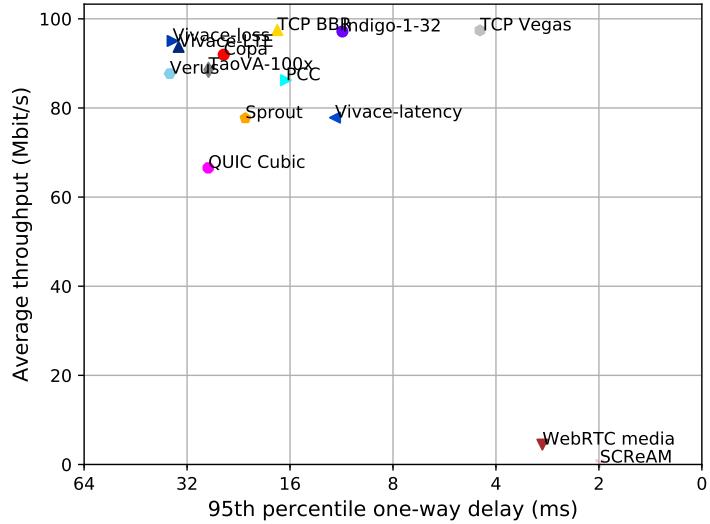
Pantheon Report

Generated at 2018-03-13 21:16:53 (UTC).
Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 Ethernet (*local*).
Repeated the test of 17 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**).
NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

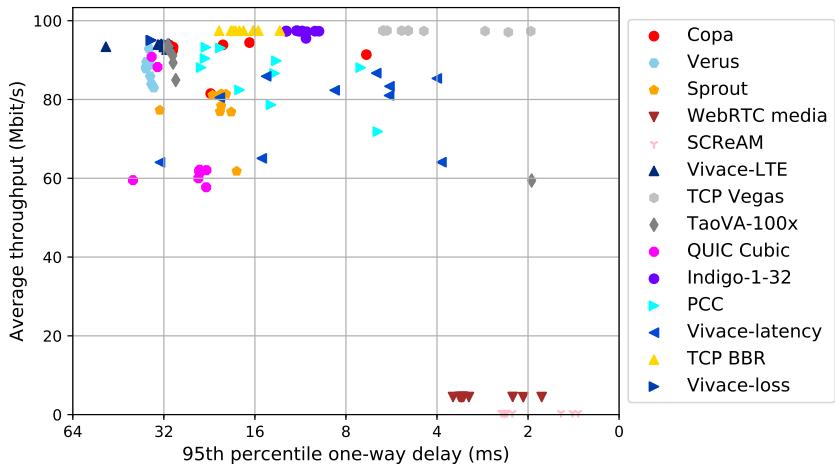
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bf7e749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



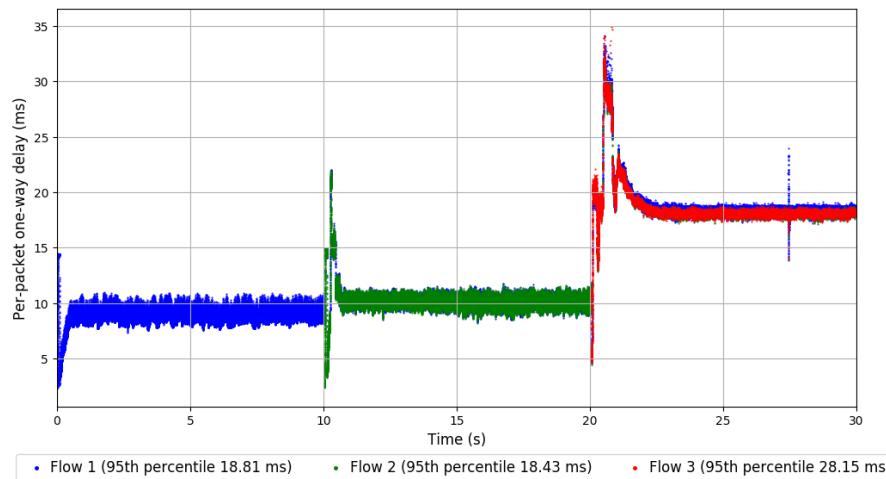
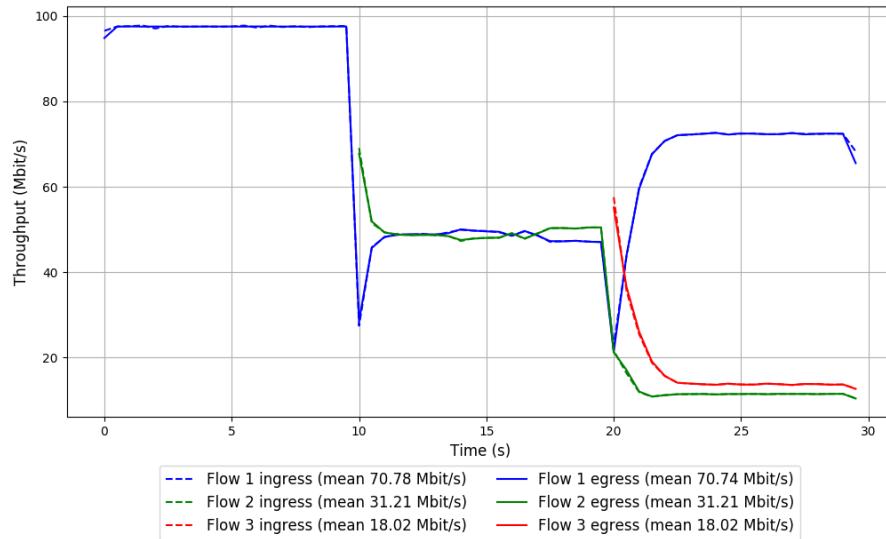
| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|----------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 10 | 69.83 | 33.67 | 15.81 | 17.31 | 16.97 | 21.91 | 0.09 | 0.03 | 0.15 |
| TCP Cubic | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| LEDBAT | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| PCC | 10 | 65.73 | 26.68 | 8.40 | 15.80 | 18.00 | 17.95 | 0.02 | 0.07 | 0.13 |
| QUIC Cubic | 10 | 11.38 | 62.80 | 43.28 | 10.06 | 27.73 | 27.85 | 0.02 | 0.10 | 0.28 |
| SCReAM | 10 | 0.22 | 0.22 | 0.22 | 1.98 | 1.98 | 1.98 | 0.00 | 0.00 | 0.00 |
| WebRTC media | 10 | 2.37 | 1.47 | 0.65 | 2.85 | 2.92 | 3.10 | 0.02 | 0.02 | 0.02 |
| Sprout | 10 | 40.96 | 40.02 | 30.80 | 20.27 | 21.46 | 23.46 | 0.04 | 0.09 | 0.16 |
| TaoVA-100x | 10 | 49.94 | 41.65 | 32.94 | 27.46 | 27.69 | 27.82 | 0.05 | 0.12 | 0.30 |
| TCP Vegas | 10 | 47.96 | 46.81 | 55.17 | 8.20 | 3.92 | 4.07 | 0.01 | 0.02 | 0.05 |
| Verus | 10 | 50.60 | 40.83 | 30.00 | 35.23 | 35.85 | 36.20 | 0.08 | 0.14 | 0.40 |
| Copa | 10 | 54.61 | 40.16 | 32.19 | 24.09 | 24.97 | 25.66 | 0.07 | 0.21 | 0.52 |
| FillP | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Indigo-1-32 | 10 | 46.72 | 42.30 | 68.31 | 10.27 | 11.11 | 11.63 | 0.00 | 0.03 | 0.13 |
| Vivace-latency | 10 | 51.08 | 29.84 | 21.02 | 8.00 | 13.39 | 21.45 | 0.42 | 1.65 | 1.09 |
| Vivace-loss | 2 | 58.98 | 40.19 | 29.72 | 33.85 | 35.37 | 35.43 | 0.91 | 1.72 | 0.56 |
| Vivace-LTE | 10 | 59.87 | 37.99 | 26.15 | 32.72 | 34.21 | 35.00 | 0.05 | 0.12 | 0.31 |

Run 1: Statistics of TCP BBR

```
Start at: 2018-03-13 14:21:17
End at: 2018-03-13 14:21:47
Local clock offset: -5.747 ms
Remote clock offset: -6.806 ms

# Below is generated by plot.py at 2018-03-13 20:55:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 19.190 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 70.74 Mbit/s
95th percentile per-packet one-way delay: 18.806 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 31.21 Mbit/s
95th percentile per-packet one-way delay: 18.430 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 18.02 Mbit/s
95th percentile per-packet one-way delay: 28.147 ms
Loss rate: 0.16%
```

Run 1: Report of TCP BBR — Data Link

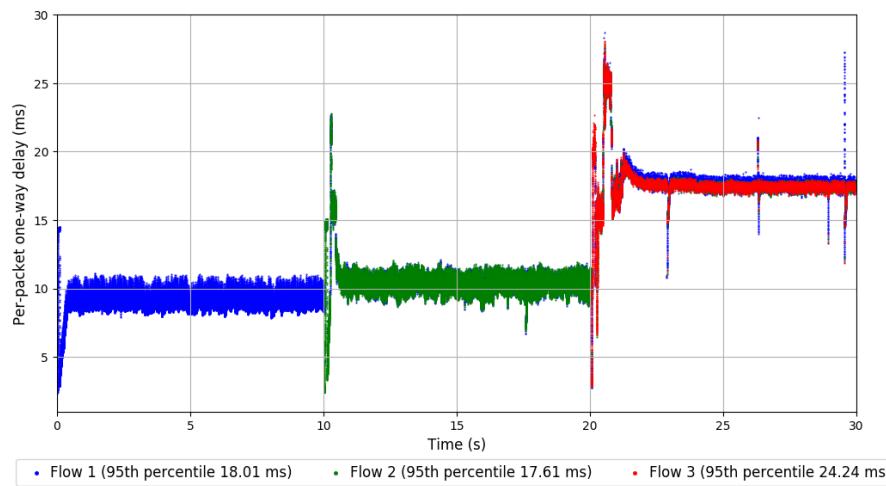
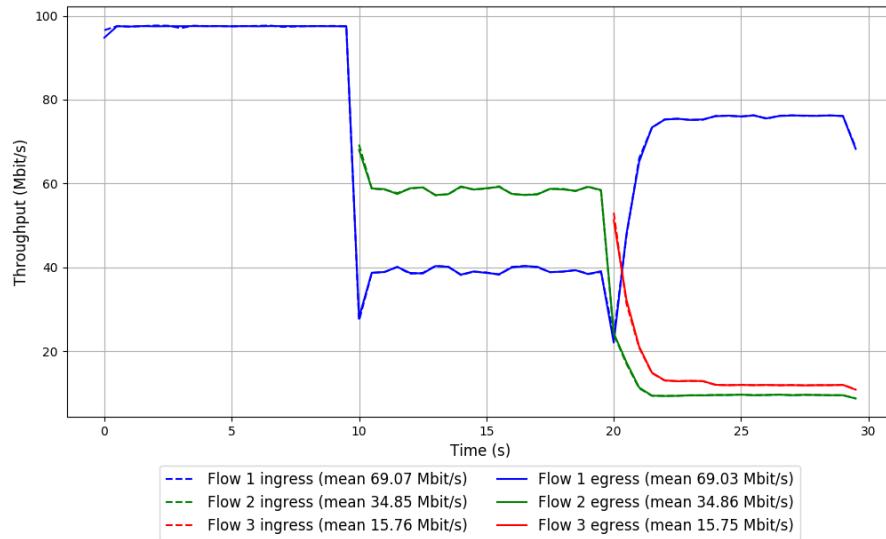


Run 2: Statistics of TCP BBR

```
Start at: 2018-03-13 14:41:44
End at: 2018-03-13 14:42:14
Local clock offset: -5.702 ms
Remote clock offset: -6.672 ms

# Below is generated by plot.py at 2018-03-13 20:55:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 18.003 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 69.03 Mbit/s
95th percentile per-packet one-way delay: 18.009 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 17.606 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 15.75 Mbit/s
95th percentile per-packet one-way delay: 24.238 ms
Loss rate: 0.15%
```

Run 2: Report of TCP BBR — Data Link

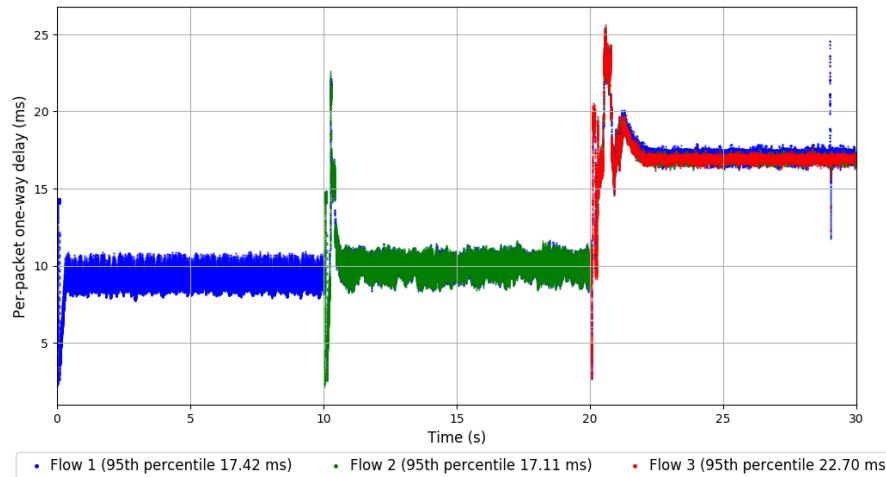
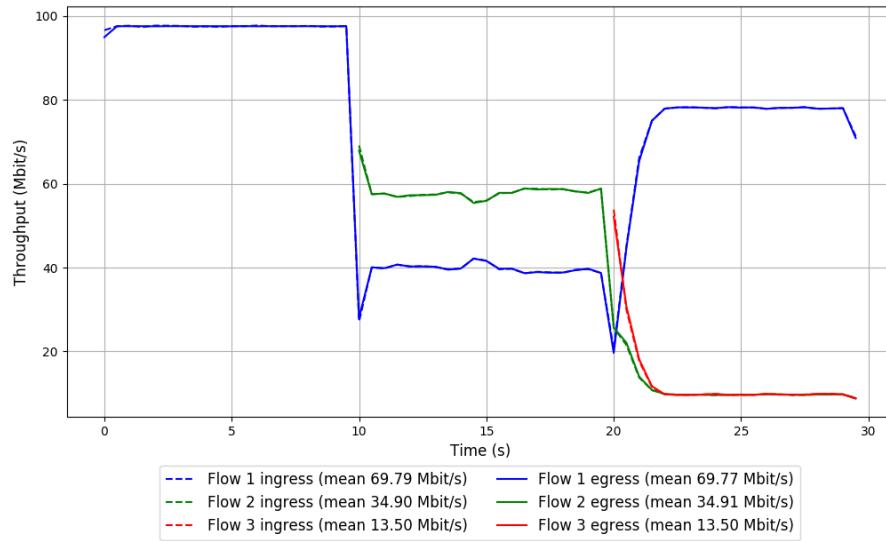


Run 3: Statistics of TCP BBR

```
Start at: 2018-03-13 15:02:08
End at: 2018-03-13 15:02:38
Local clock offset: -6.768 ms
Remote clock offset: -6.641 ms

# Below is generated by plot.py at 2018-03-13 20:55:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 17.456 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 69.77 Mbit/s
95th percentile per-packet one-way delay: 17.418 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.91 Mbit/s
95th percentile per-packet one-way delay: 17.108 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 22.704 ms
Loss rate: 0.14%
```

Run 3: Report of TCP BBR — Data Link

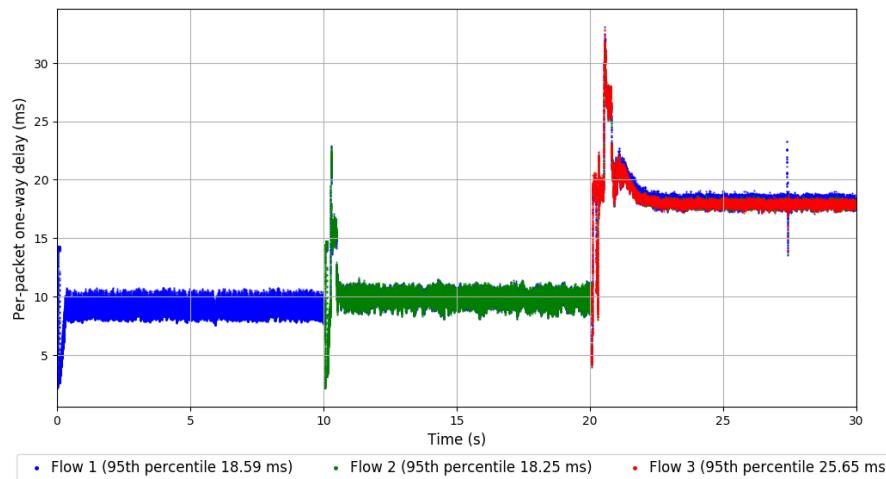
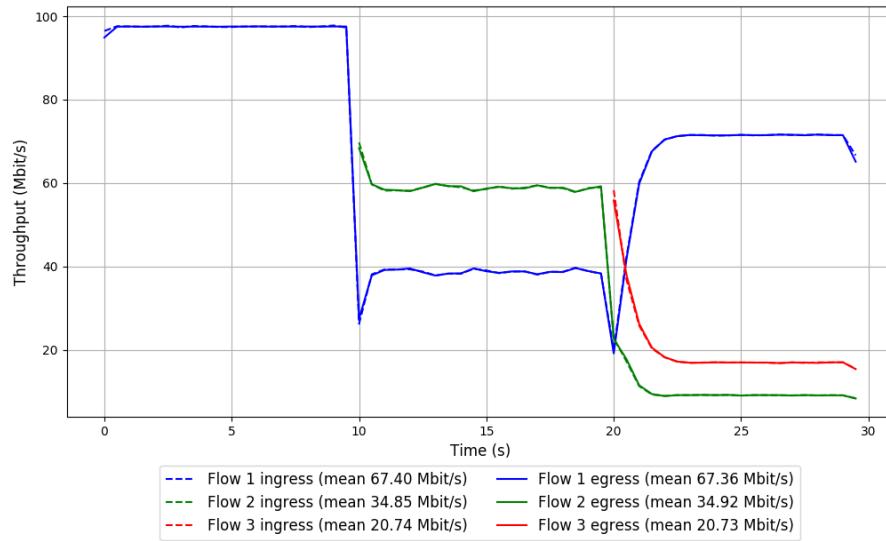


Run 4: Statistics of TCP BBR

```
Start at: 2018-03-13 15:22:33
End at: 2018-03-13 15:23:03
Local clock offset: -3.512 ms
Remote clock offset: -6.765 ms

# Below is generated by plot.py at 2018-03-13 20:55:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 18.856 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 67.36 Mbit/s
95th percentile per-packet one-way delay: 18.587 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 34.92 Mbit/s
95th percentile per-packet one-way delay: 18.249 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 25.650 ms
Loss rate: 0.17%
```

Run 4: Report of TCP BBR — Data Link

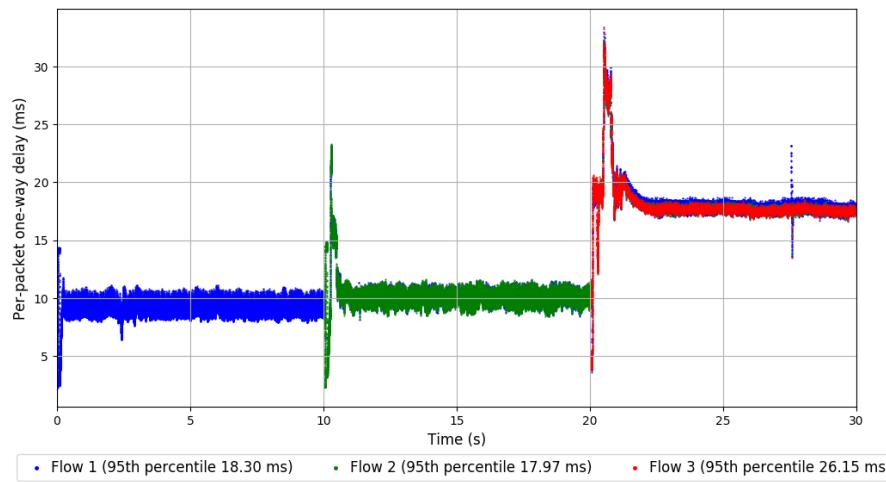
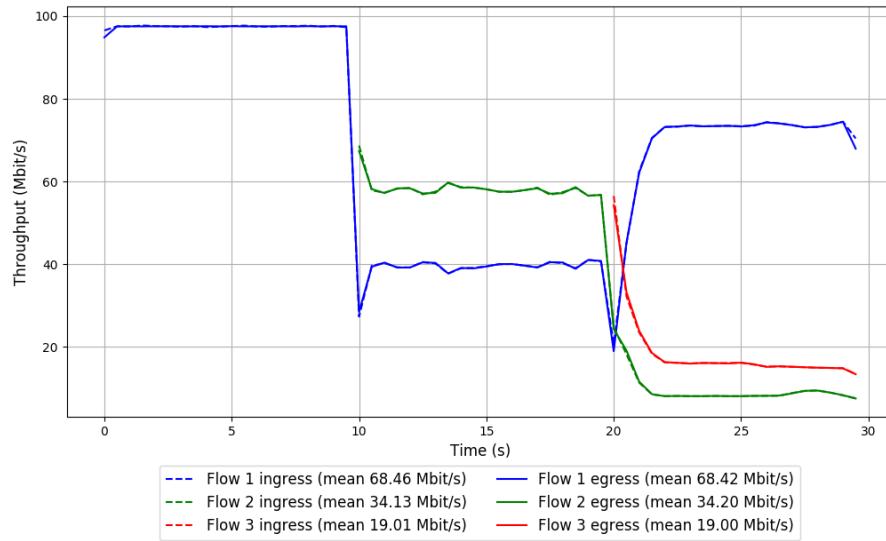


Run 5: Statistics of TCP BBR

```
Start at: 2018-03-13 15:42:58
End at: 2018-03-13 15:43:28
Local clock offset: 0.061 ms
Remote clock offset: -6.782 ms

# Below is generated by plot.py at 2018-03-13 20:55:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 18.556 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 68.42 Mbit/s
95th percentile per-packet one-way delay: 18.303 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 34.20 Mbit/s
95th percentile per-packet one-way delay: 17.974 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 19.00 Mbit/s
95th percentile per-packet one-way delay: 26.150 ms
Loss rate: 0.17%
```

Run 5: Report of TCP BBR — Data Link

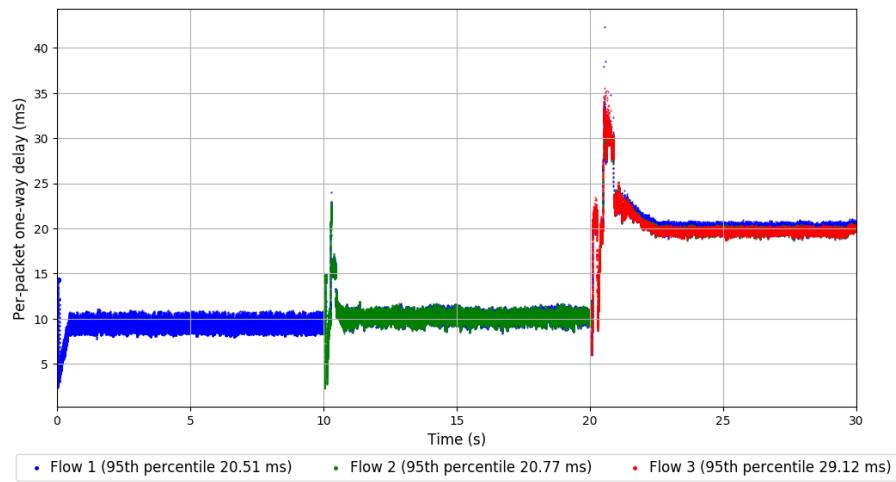
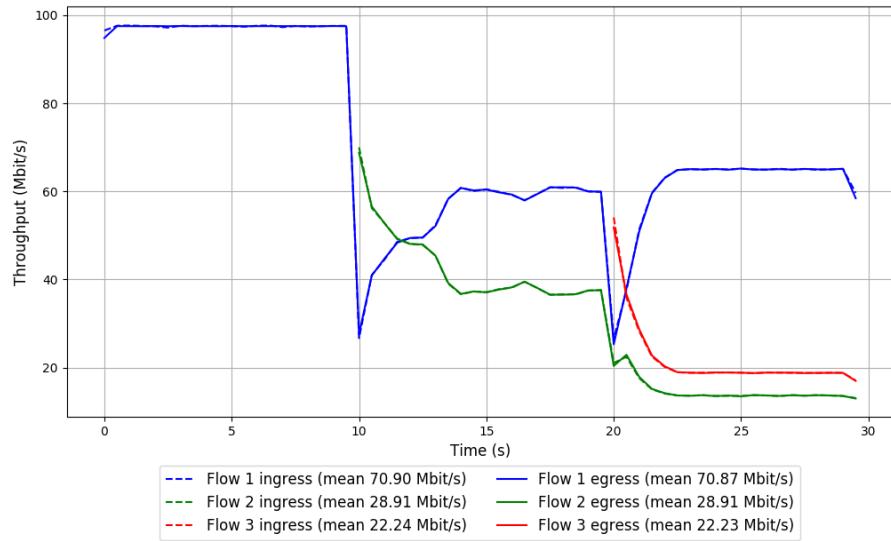


Run 6: Statistics of TCP BBR

```
Start at: 2018-03-13 16:03:23
End at: 2018-03-13 16:03:53
Local clock offset: 2.153 ms
Remote clock offset: -6.741 ms

# Below is generated by plot.py at 2018-03-13 20:55:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 21.010 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 70.87 Mbit/s
95th percentile per-packet one-way delay: 20.507 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 28.91 Mbit/s
95th percentile per-packet one-way delay: 20.774 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 29.116 ms
Loss rate: 0.20%
```

Run 6: Report of TCP BBR — Data Link

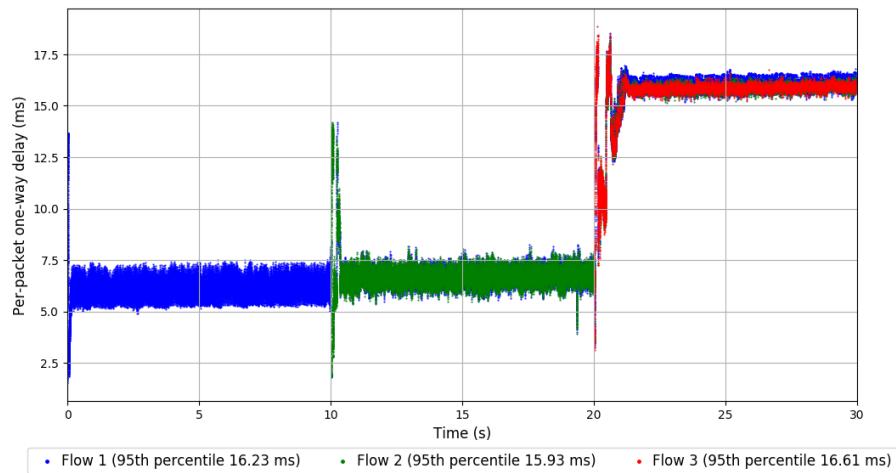
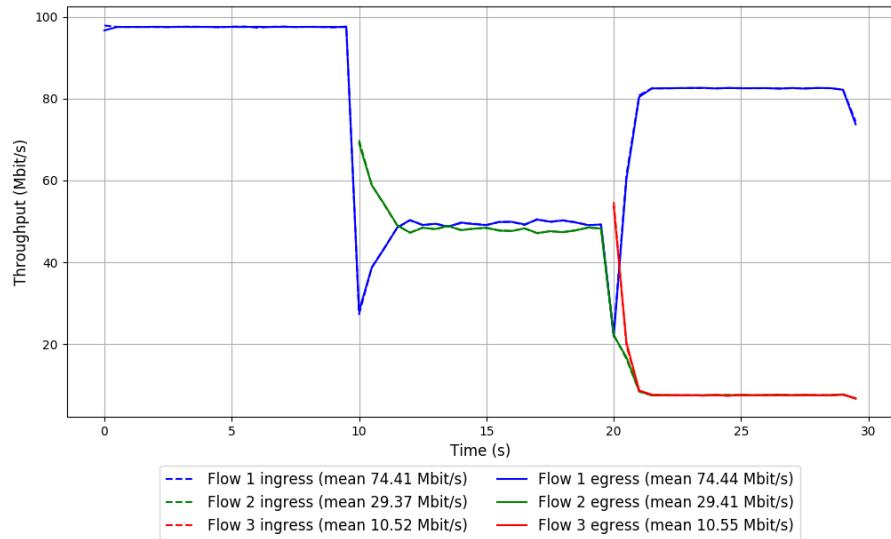


Run 7: Statistics of TCP BBR

```
Start at: 2018-03-13 16:23:48
End at: 2018-03-13 16:24:18
Local clock offset: 2.996 ms
Remote clock offset: -6.52 ms

# Below is generated by plot.py at 2018-03-13 20:55:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.50 Mbit/s
95th percentile per-packet one-way delay: 16.208 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 74.44 Mbit/s
95th percentile per-packet one-way delay: 16.227 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 15.933 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 10.55 Mbit/s
95th percentile per-packet one-way delay: 16.612 ms
Loss rate: 0.13%
```

Run 7: Report of TCP BBR — Data Link

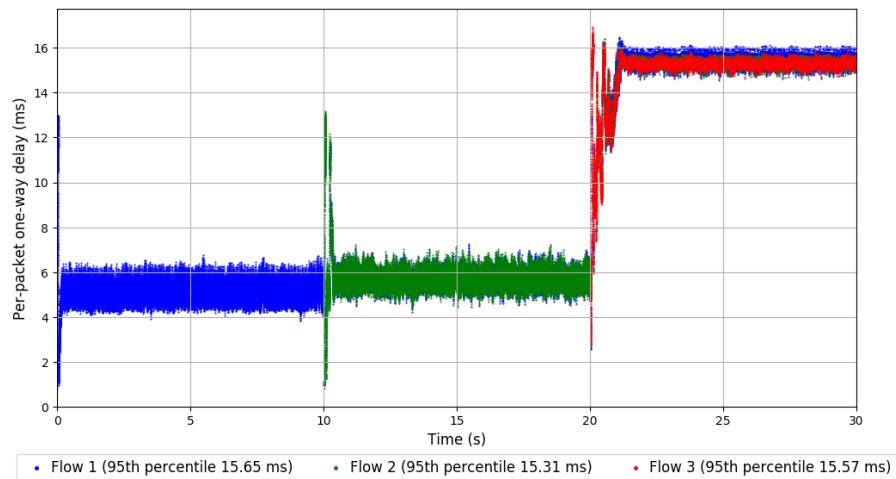
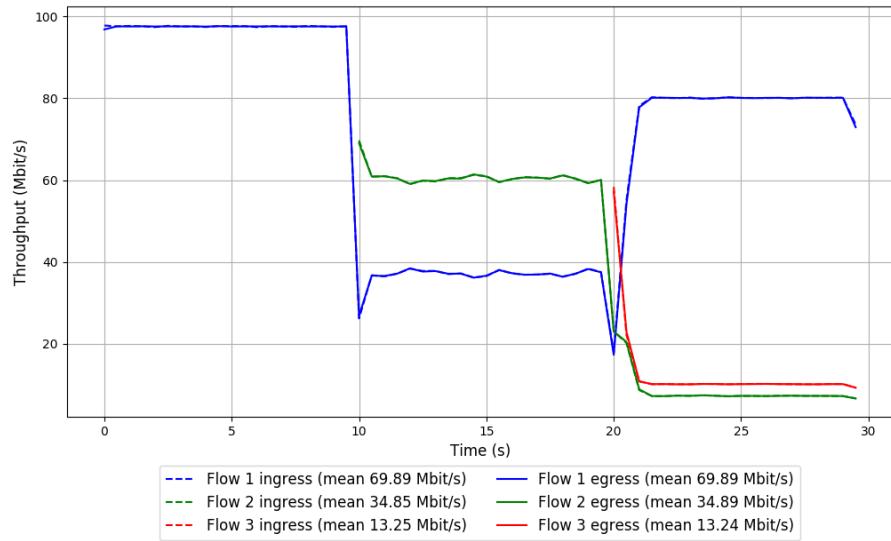


Run 8: Statistics of TCP BBR

```
Start at: 2018-03-13 16:44:08
End at: 2018-03-13 16:44:38
Local clock offset: -6.628 ms
Remote clock offset: -6.391 ms

# Below is generated by plot.py at 2018-03-13 20:55:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 15.600 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 69.89 Mbit/s
95th percentile per-packet one-way delay: 15.654 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 15.308 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 15.567 ms
Loss rate: 0.12%
```

Run 8: Report of TCP BBR — Data Link

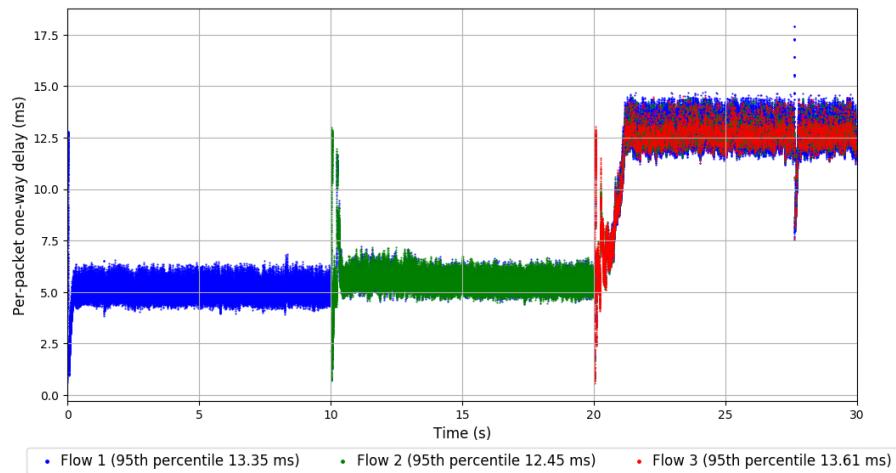
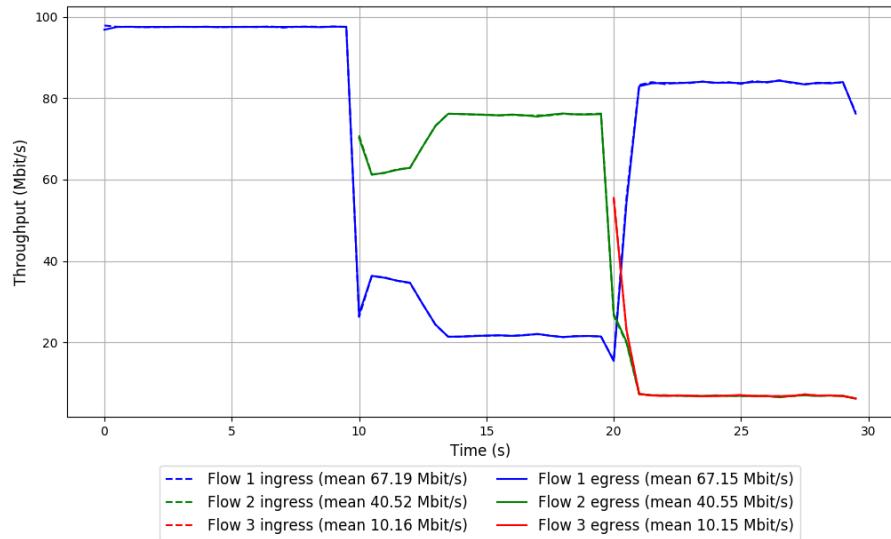


Run 9: Statistics of TCP BBR

```
Start at: 2018-03-13 17:04:26
End at: 2018-03-13 17:04:56
Local clock offset: -5.49 ms
Remote clock offset: -6.362 ms

# Below is generated by plot.py at 2018-03-13 20:57:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 13.235 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 67.15 Mbit/s
95th percentile per-packet one-way delay: 13.349 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 12.450 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 10.15 Mbit/s
95th percentile per-packet one-way delay: 13.607 ms
Loss rate: 0.10%
```

Run 9: Report of TCP BBR — Data Link

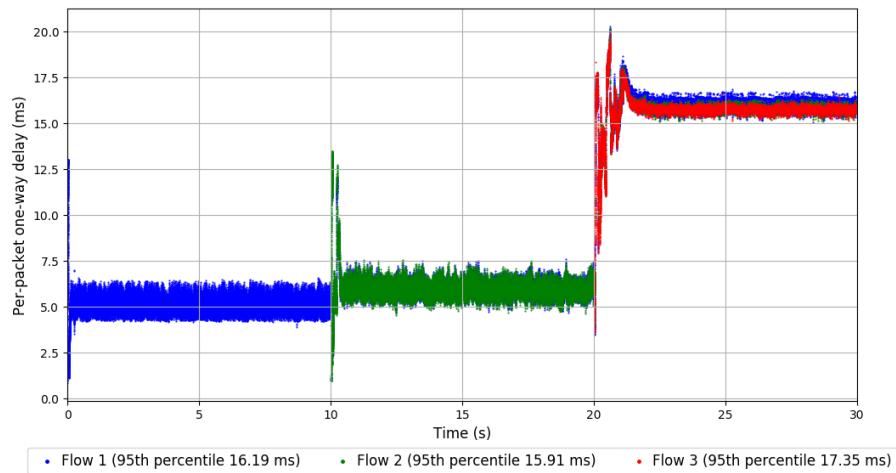
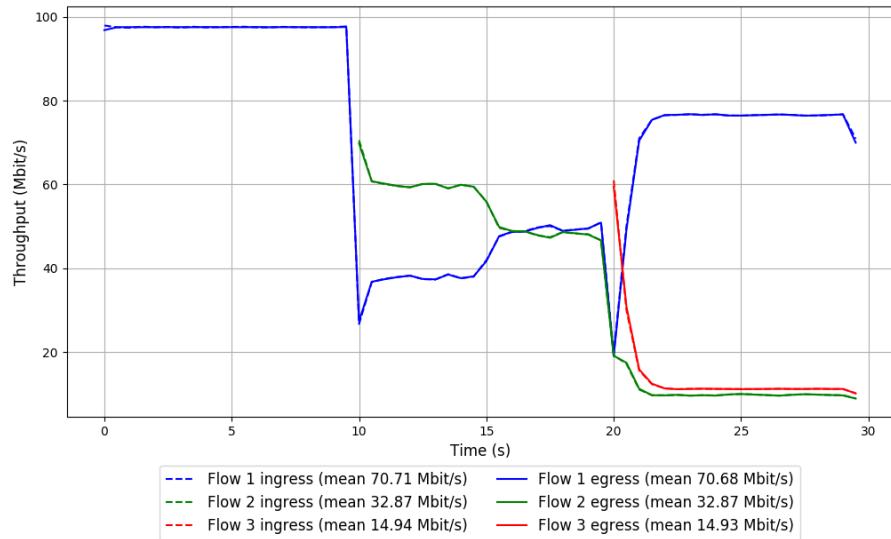


Run 10: Statistics of TCP BBR

```
Start at: 2018-03-13 17:24:47
End at: 2018-03-13 17:25:17
Local clock offset: -3.649 ms
Remote clock offset: -6.935 ms

# Below is generated by plot.py at 2018-03-13 20:57:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.52 Mbit/s
95th percentile per-packet one-way delay: 16.175 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 70.68 Mbit/s
95th percentile per-packet one-way delay: 16.194 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 15.907 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 14.93 Mbit/s
95th percentile per-packet one-way delay: 17.352 ms
Loss rate: 0.13%
```

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-03-13 14:20:10

End at: 2018-03-13 14:20:40

Local clock offset: -5.892 ms

Remote clock offset: -6.826 ms

Run 1: Report of TCP Cubic — Data Link

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Run 2: Statistics of TCP Cubic

Start at: 2018-03-13 14:40:37

End at: 2018-03-13 14:41:07

Local clock offset: -5.577 ms

Remote clock offset: -13.52 ms

Run 2: Report of TCP Cubic — Data Link

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Figure is missing

Run 3: Statistics of TCP Cubic

Start at: 2018-03-13 15:01:01

End at: 2018-03-13 15:01:31

Local clock offset: -6.799 ms

Remote clock offset: -6.632 ms

Run 3: Report of TCP Cubic — Data Link

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Figure is missing

Run 4: Statistics of TCP Cubic

Start at: 2018-03-13 15:21:27

End at: 2018-03-13 15:21:57

Local clock offset: -3.839 ms

Remote clock offset: -6.778 ms

Run 4: Report of TCP Cubic — Data Link

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Run 5: Statistics of TCP Cubic

Start at: 2018-03-13 15:41:51

End at: 2018-03-13 15:42:21

Local clock offset: -0.095 ms

Remote clock offset: -6.84 ms

Run 5: Report of TCP Cubic — Data Link

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Run 6: Statistics of TCP Cubic

Start at: 2018-03-13 16:02:16

End at: 2018-03-13 16:02:46

Local clock offset: 1.957 ms

Remote clock offset: -6.848 ms

Run 6: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of TCP Cubic

Start at: 2018-03-13 16:22:42

End at: 2018-03-13 16:23:12

Local clock offset: 3.84 ms

Remote clock offset: -6.543 ms

Run 7: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of TCP Cubic

Start at: 2018-03-13 16:43:01

End at: 2018-03-13 16:43:31

Local clock offset: -6.386 ms

Remote clock offset: -6.398 ms

Run 8: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of TCP Cubic

Start at: 2018-03-13 17:03:19

End at: 2018-03-13 17:03:49

Local clock offset: -5.748 ms

Remote clock offset: -6.363 ms

Run 9: Report of TCP Cubic — Data Link

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Figure is missing

Run 10: Statistics of TCP Cubic

Start at: 2018-03-13 17:23:40

End at: 2018-03-13 17:24:10

Local clock offset: -3.76 ms

Remote clock offset: -6.996 ms

Run 10: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of LEDBAT

Start at: 2018-03-13 14:03:04

End at: 2018-03-13 14:03:34

Local clock offset: -6.341 ms

Remote clock offset: -6.736 ms

Run 1: Report of LEDBAT — Data Link

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Run 2: Statistics of LEDBAT

Start at: 2018-03-13 14:23:33
End at: 2018-03-13 14:24:03
Local clock offset: -5.811 ms
Remote clock offset: -6.907 ms

Run 2: Report of LEDBAT — Data Link

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Run 3: Statistics of LEDBAT

Start at: 2018-03-13 14:43:59
End at: 2018-03-13 14:44:29
Local clock offset: -5.927 ms
Remote clock offset: -6.583 ms

Run 3: Report of LEDBAT — Data Link

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Run 4: Statistics of LEDBAT

Start at: 2018-03-13 15:04:23
End at: 2018-03-13 15:04:53
Local clock offset: -6.787 ms
Remote clock offset: -6.703 ms

Run 4: Report of LEDBAT — Data Link

Figure is missing

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Run 5: Statistics of LEDBAT

Start at: 2018-03-13 15:24:49
End at: 2018-03-13 15:25:19
Local clock offset: -2.792 ms
Remote clock offset: -6.761 ms

Run 5: Report of LEDBAT — Data Link

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Run 6: Statistics of LEDBAT

Start at: 2018-03-13 15:45:13
End at: 2018-03-13 15:45:43
Local clock offset: 0.27 ms
Remote clock offset: -6.845 ms

Run 6: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of LEDBAT

Start at: 2018-03-13 16:05:39
End at: 2018-03-13 16:06:09
Local clock offset: 2.284 ms
Remote clock offset: -6.744 ms

Run 7: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of LEDBAT

Start at: 2018-03-13 16:26:03
End at: 2018-03-13 16:26:33
Local clock offset: 0.788 ms
Remote clock offset: -6.457 ms

Run 8: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of LEDBAT

Start at: 2018-03-13 16:46:23
End at: 2018-03-13 16:46:53
Local clock offset: -6.977 ms
Remote clock offset: -6.403 ms

Run 9: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of LEDBAT

Start at: 2018-03-13 17:06:42

End at: 2018-03-13 17:07:13

Local clock offset: -4.981 ms

Remote clock offset: -6.367 ms

Run 10: Report of LEDBAT — Data Link

Figure is missing

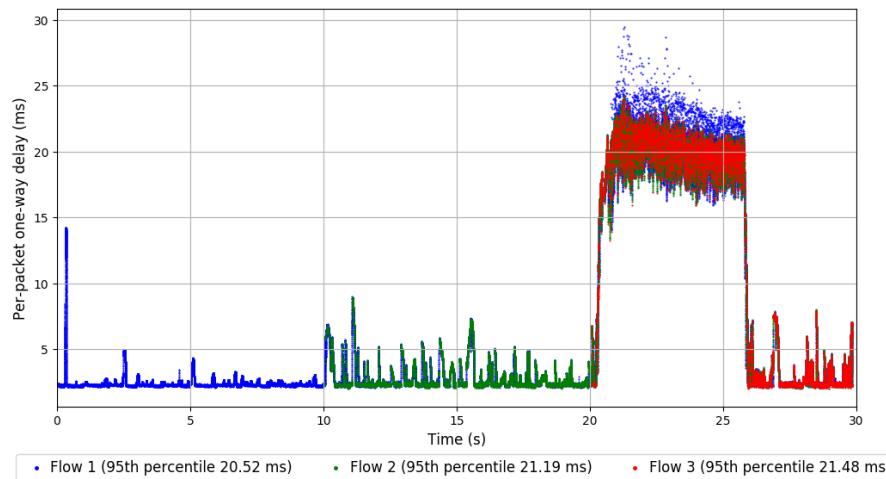
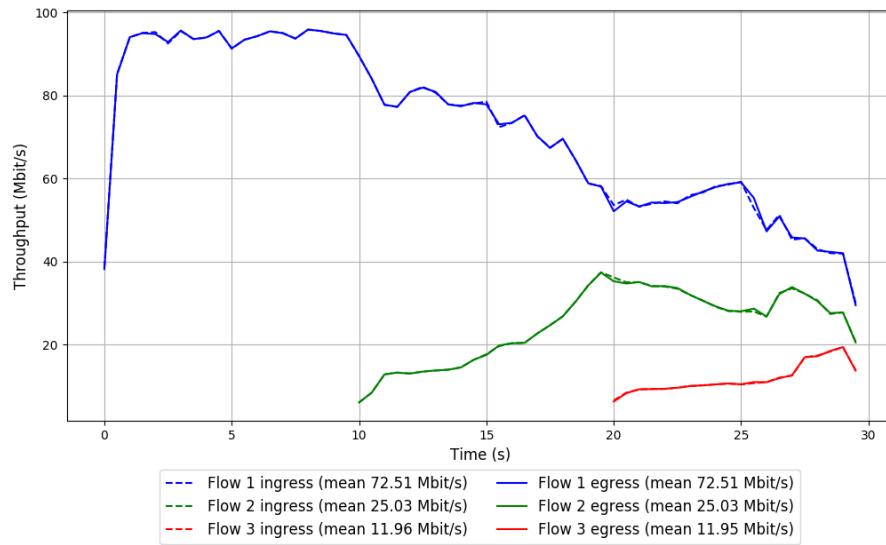
Figure is missing

```
Run 1: Statistics of PCC
```

```
Start at: 2018-03-13 14:12:10
End at: 2018-03-13 14:12:40
Local clock offset: -6.133 ms
Remote clock offset: -6.856 ms

# Below is generated by plot.py at 2018-03-13 20:57:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 20.806 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 72.51 Mbit/s
95th percentile per-packet one-way delay: 20.522 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 25.03 Mbit/s
95th percentile per-packet one-way delay: 21.187 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 21.477 ms
Loss rate: 0.10%
```

Run 1: Report of PCC — Data Link

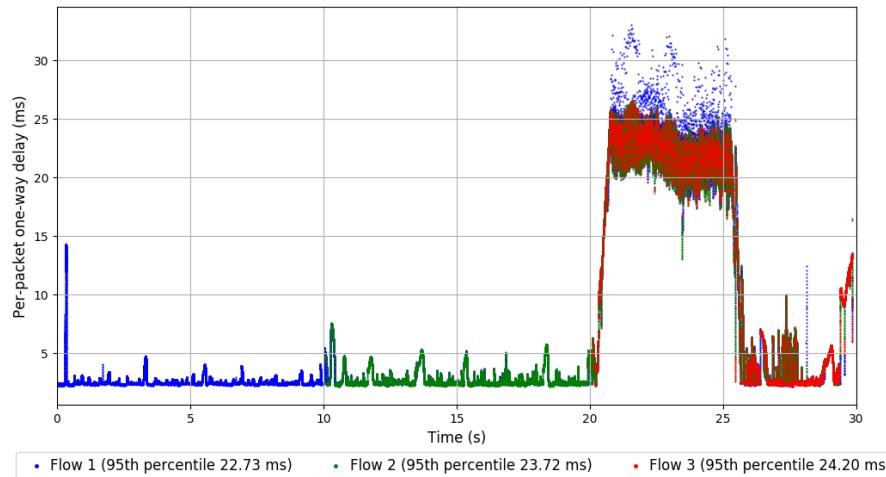
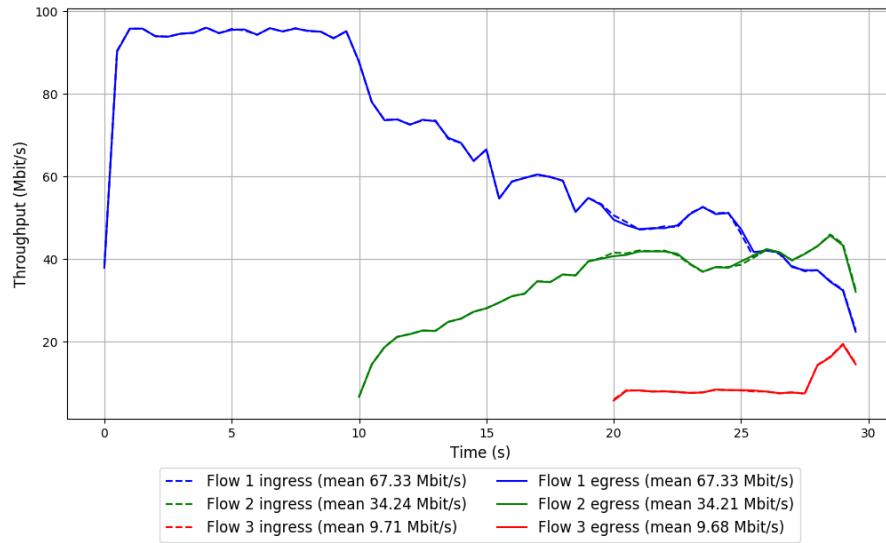


Run 2: Statistics of PCC

```
Start at: 2018-03-13 14:32:37
End at: 2018-03-13 14:33:07
Local clock offset: -5.584 ms
Remote clock offset: -6.658 ms

# Below is generated by plot.py at 2018-03-13 20:57:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 23.233 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 67.33 Mbit/s
95th percentile per-packet one-way delay: 22.727 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.21 Mbit/s
95th percentile per-packet one-way delay: 23.721 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 24.200 ms
Loss rate: 0.32%
```

Run 2: Report of PCC — Data Link

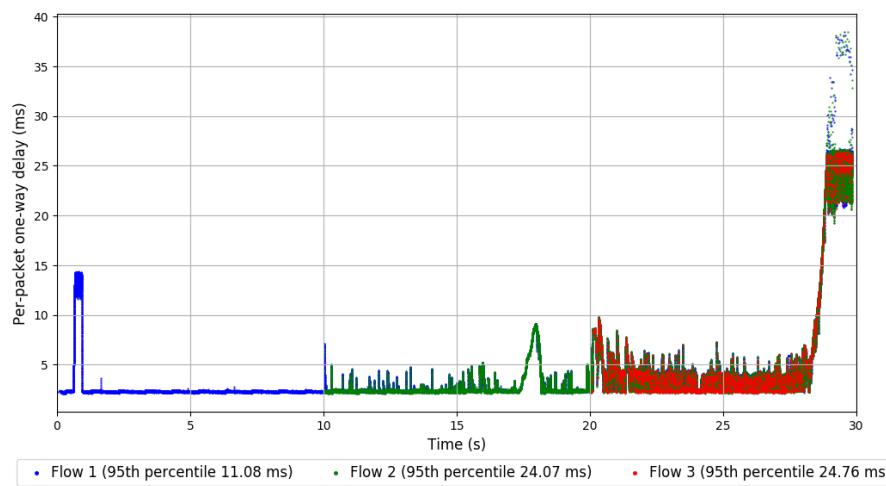
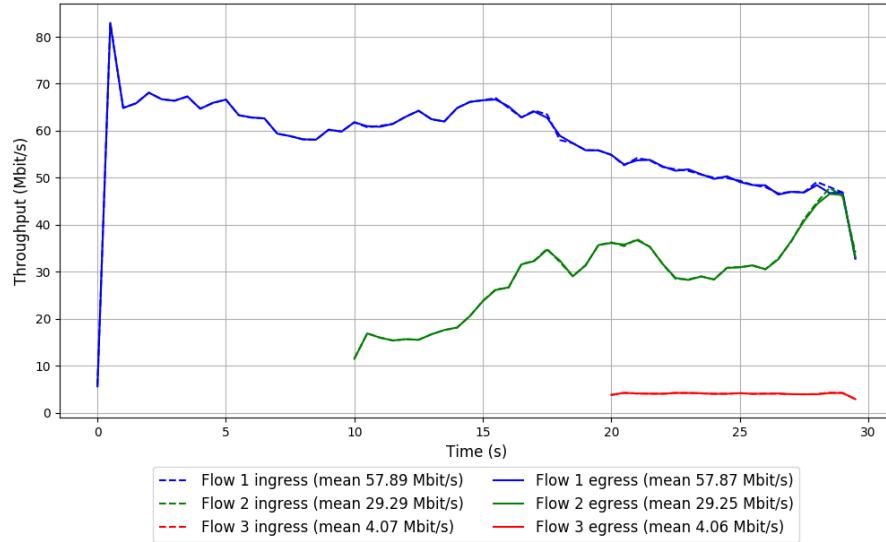


Run 3: Statistics of PCC

```
Start at: 2018-03-13 14:53:01
End at: 2018-03-13 14:53:31
Local clock offset: -6.564 ms
Remote clock offset: -6.568 ms

# Below is generated by plot.py at 2018-03-13 20:57:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.65 Mbit/s
95th percentile per-packet one-way delay: 14.157 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 57.87 Mbit/s
95th percentile per-packet one-way delay: 11.083 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 29.25 Mbit/s
95th percentile per-packet one-way delay: 24.070 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 24.761 ms
Loss rate: 0.24%
```

Run 3: Report of PCC — Data Link

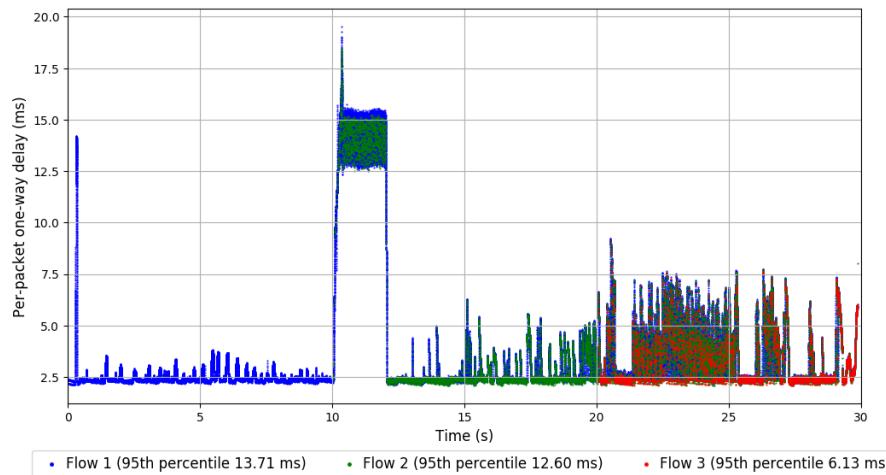
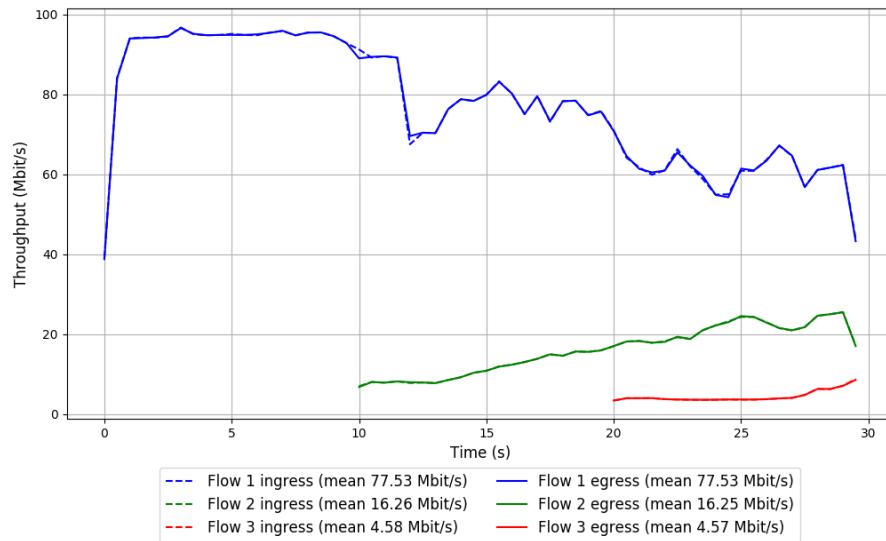


Run 4: Statistics of PCC

```
Start at: 2018-03-13 15:13:27
End at: 2018-03-13 15:13:57
Local clock offset: -6.973 ms
Remote clock offset: -6.691 ms

# Below is generated by plot.py at 2018-03-13 20:57:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 13.584 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.53 Mbit/s
95th percentile per-packet one-way delay: 13.708 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 16.25 Mbit/s
95th percentile per-packet one-way delay: 12.603 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 6.129 ms
Loss rate: 0.27%
```

Run 4: Report of PCC — Data Link

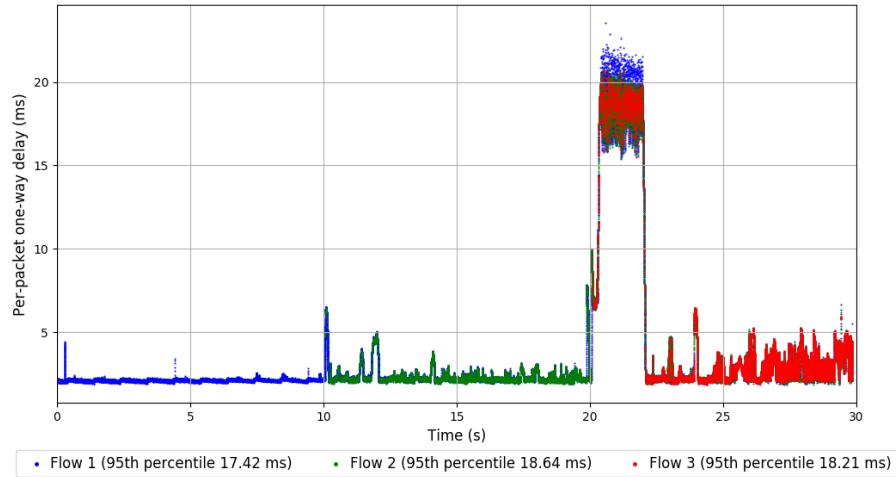
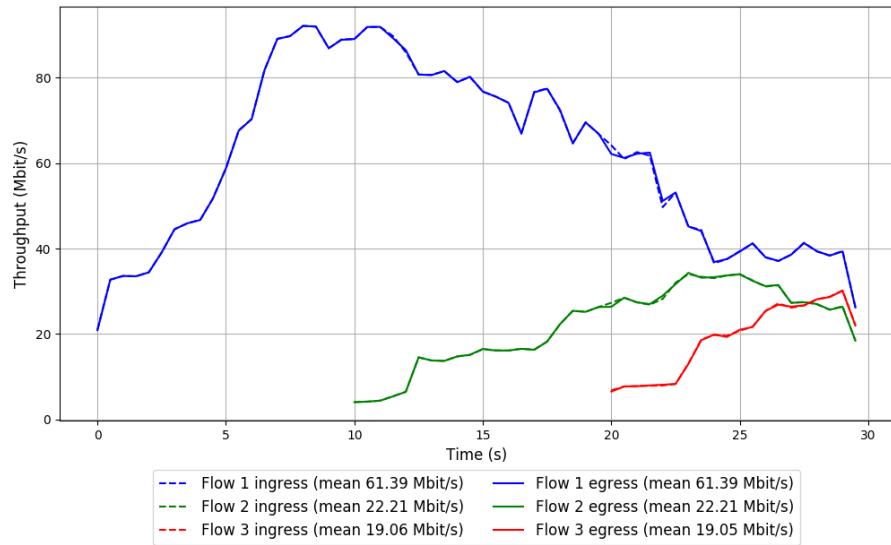


Run 5: Statistics of PCC

```
Start at: 2018-03-13 15:33:52
End at: 2018-03-13 15:34:22
Local clock offset: -1.201 ms
Remote clock offset: -6.739 ms

# Below is generated by plot.py at 2018-03-13 20:57:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 17.979 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 61.39 Mbit/s
95th percentile per-packet one-way delay: 17.416 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 22.21 Mbit/s
95th percentile per-packet one-way delay: 18.639 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 19.05 Mbit/s
95th percentile per-packet one-way delay: 18.210 ms
Loss rate: 0.10%
```

Run 5: Report of PCC — Data Link

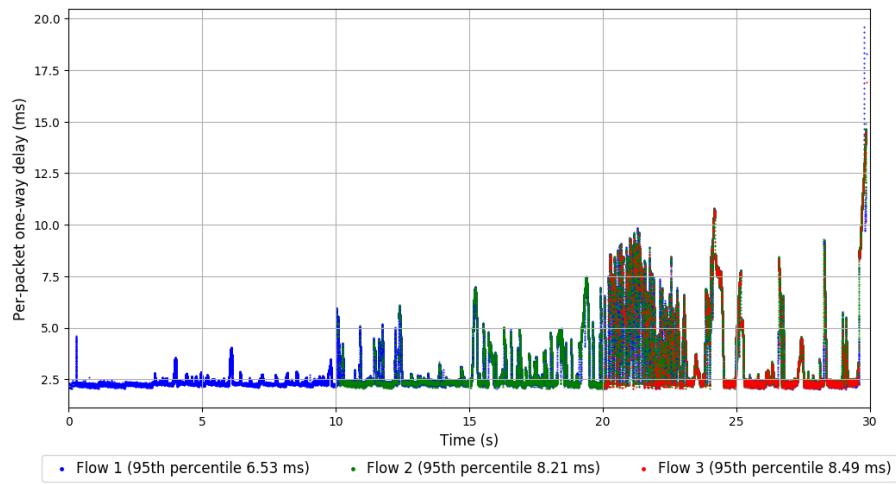
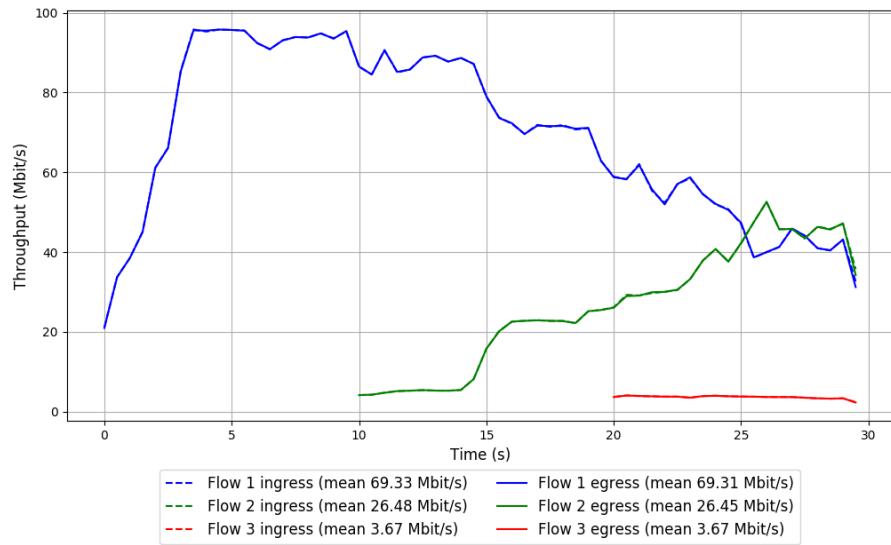


Run 6: Statistics of PCC

```
Start at: 2018-03-13 15:54:17
End at: 2018-03-13 15:54:47
Local clock offset: 1.15 ms
Remote clock offset: -6.9 ms

# Below is generated by plot.py at 2018-03-13 20:57:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.10 Mbit/s
95th percentile per-packet one-way delay: 7.149 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 69.31 Mbit/s
95th percentile per-packet one-way delay: 6.526 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 26.45 Mbit/s
95th percentile per-packet one-way delay: 8.215 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 8.486 ms
Loss rate: 0.13%
```

Run 6: Report of PCC — Data Link

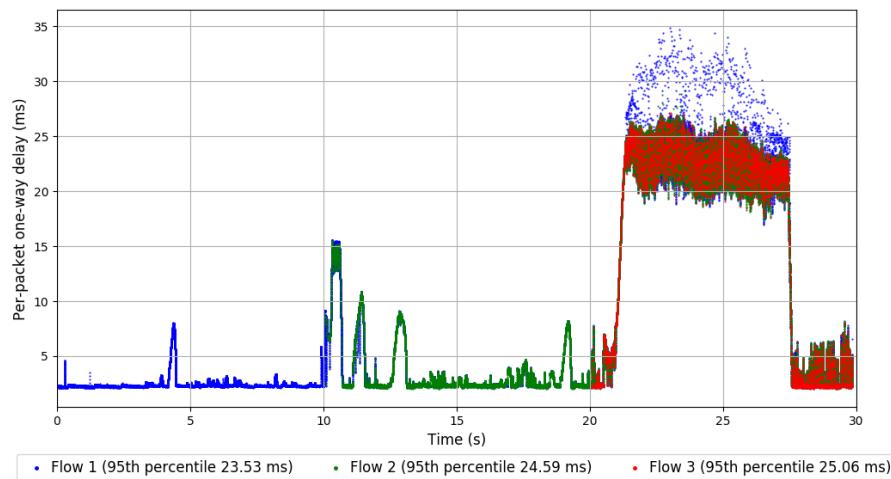
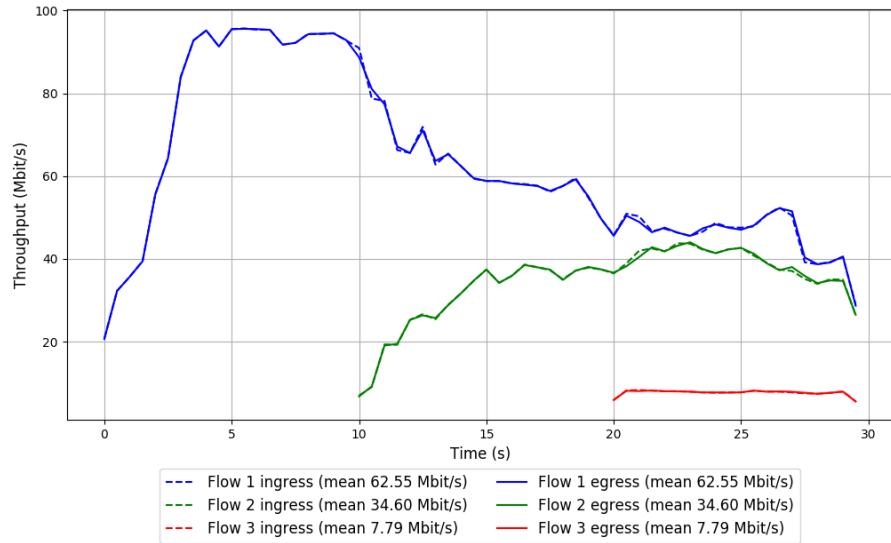


Run 7: Statistics of PCC

```
Start at: 2018-03-13 16:14:44
End at: 2018-03-13 16:15:14
Local clock offset: 3.124 ms
Remote clock offset: -6.552 ms

# Below is generated by plot.py at 2018-03-13 20:58:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.10 Mbit/s
95th percentile per-packet one-way delay: 24.101 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 62.55 Mbit/s
95th percentile per-packet one-way delay: 23.530 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.60 Mbit/s
95th percentile per-packet one-way delay: 24.593 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 25.061 ms
Loss rate: 0.06%
```

Run 7: Report of PCC — Data Link

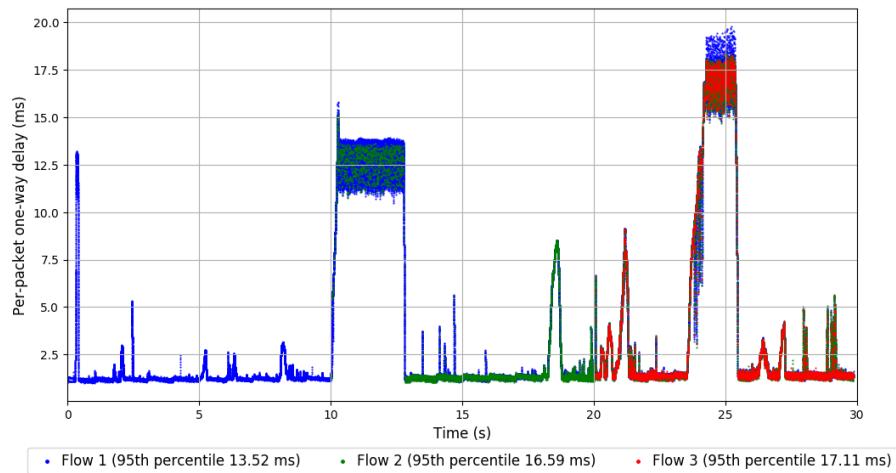
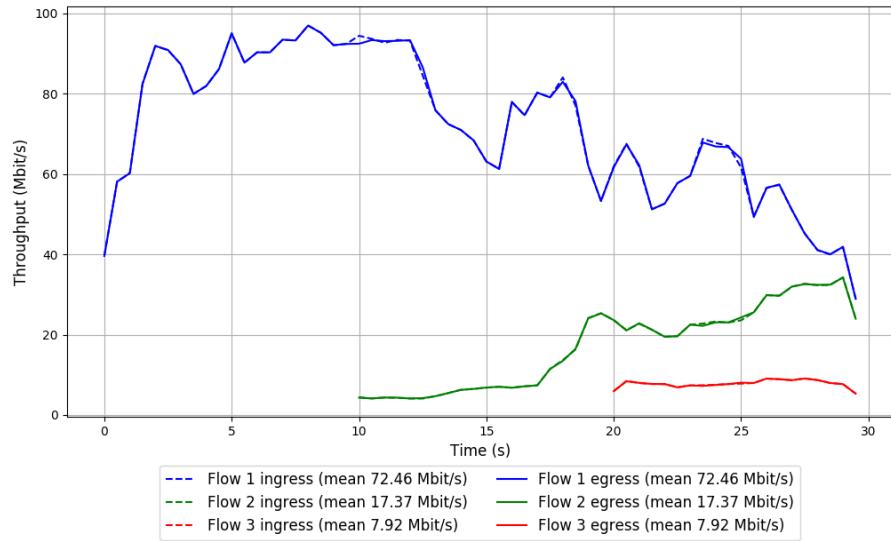


Run 8: Statistics of PCC

```
Start at: 2018-03-13 16:35:05
End at: 2018-03-13 16:35:35
Local clock offset: -4.328 ms
Remote clock offset: -6.506 ms

# Below is generated by plot.py at 2018-03-13 20:58:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.62 Mbit/s
95th percentile per-packet one-way delay: 13.772 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 72.46 Mbit/s
95th percentile per-packet one-way delay: 13.524 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.37 Mbit/s
95th percentile per-packet one-way delay: 16.587 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 17.105 ms
Loss rate: 0.02%
```

Run 8: Report of PCC — Data Link

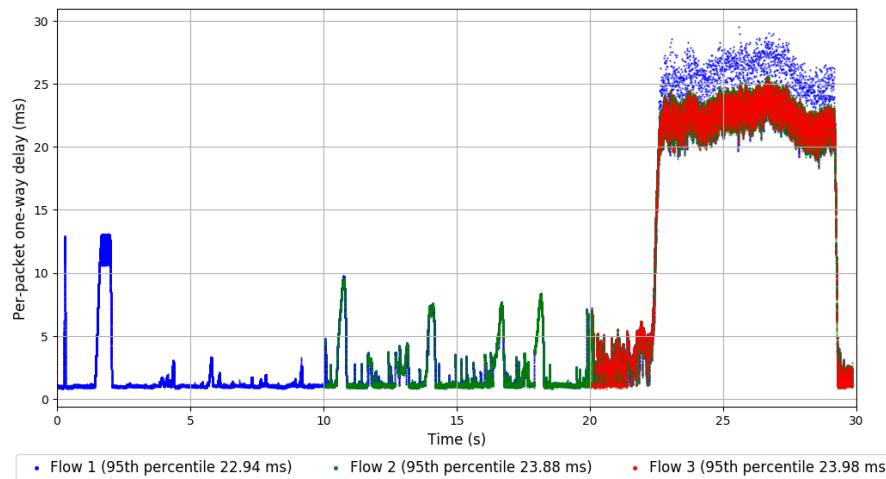
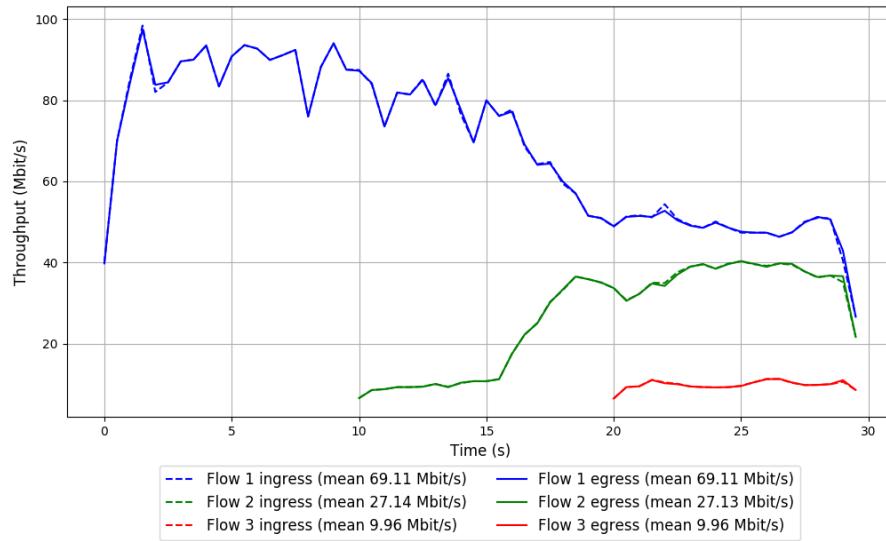


Run 9: Statistics of PCC

```
Start at: 2018-03-13 16:55:25
End at: 2018-03-13 16:55:55
Local clock offset: -8.08 ms
Remote clock offset: -6.405 ms

# Below is generated by plot.py at 2018-03-13 20:58:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 23.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.11 Mbit/s
95th percentile per-packet one-way delay: 22.938 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.13 Mbit/s
95th percentile per-packet one-way delay: 23.882 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 9.96 Mbit/s
95th percentile per-packet one-way delay: 23.983 ms
Loss rate: 0.01%
```

Run 9: Report of PCC — Data Link

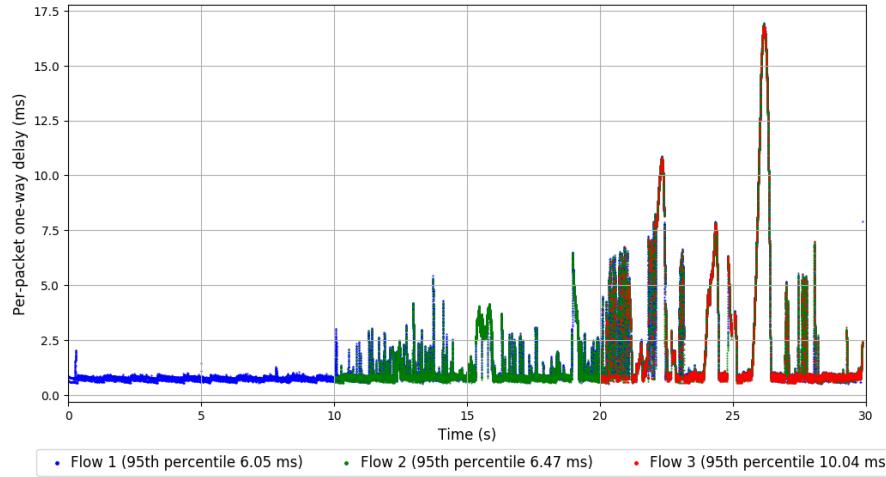
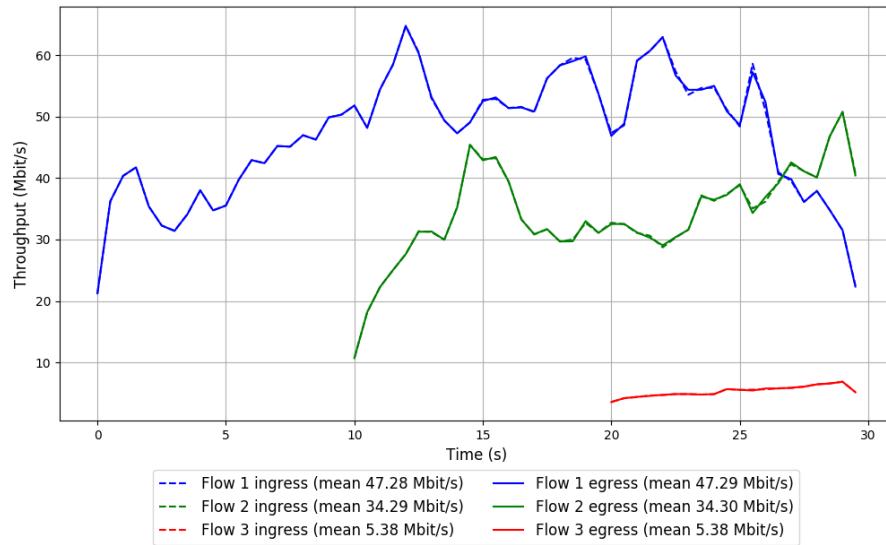


Run 10: Statistics of PCC

```
Start at: 2018-03-13 17:15:44
End at: 2018-03-13 17:16:14
Local clock offset: -4.07 ms
Remote clock offset: -6.713 ms

# Below is generated by plot.py at 2018-03-13 20:58:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.86 Mbit/s
95th percentile per-packet one-way delay: 6.275 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 6.055 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.30 Mbit/s
95th percentile per-packet one-way delay: 6.467 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 5.38 Mbit/s
95th percentile per-packet one-way delay: 10.044 ms
Loss rate: 0.05%
```

Run 10: Report of PCC — Data Link

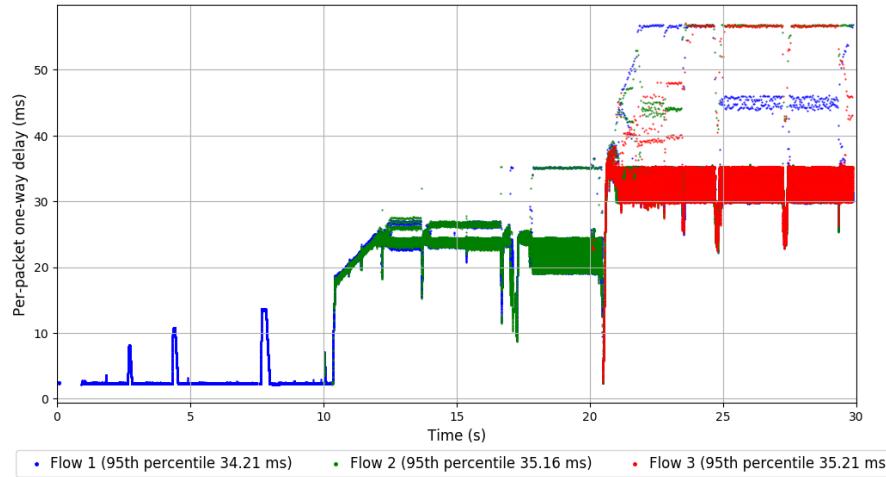
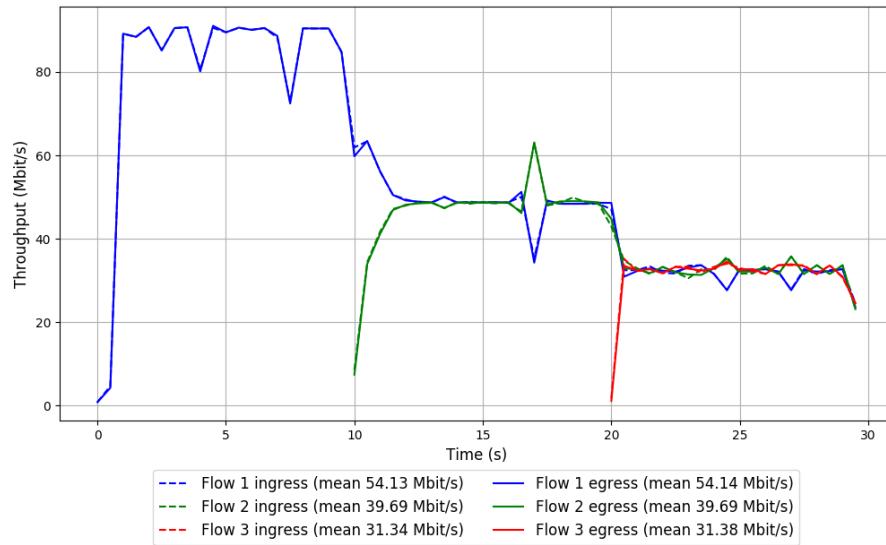


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-03-13 14:22:25
End at: 2018-03-13 14:22:55
Local clock offset: -5.842 ms
Remote clock offset: -6.781 ms

# Below is generated by plot.py at 2018-03-13 20:58:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.82 Mbit/s
95th percentile per-packet one-way delay: 35.108 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 54.14 Mbit/s
95th percentile per-packet one-way delay: 34.207 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 35.161 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 35.211 ms
Loss rate: 0.35%
```

Run 1: Report of QUIC Cubic — Data Link

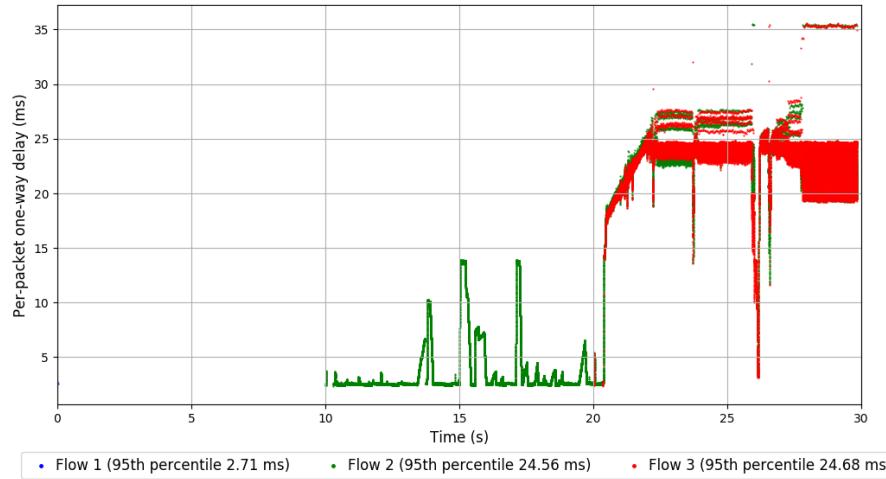
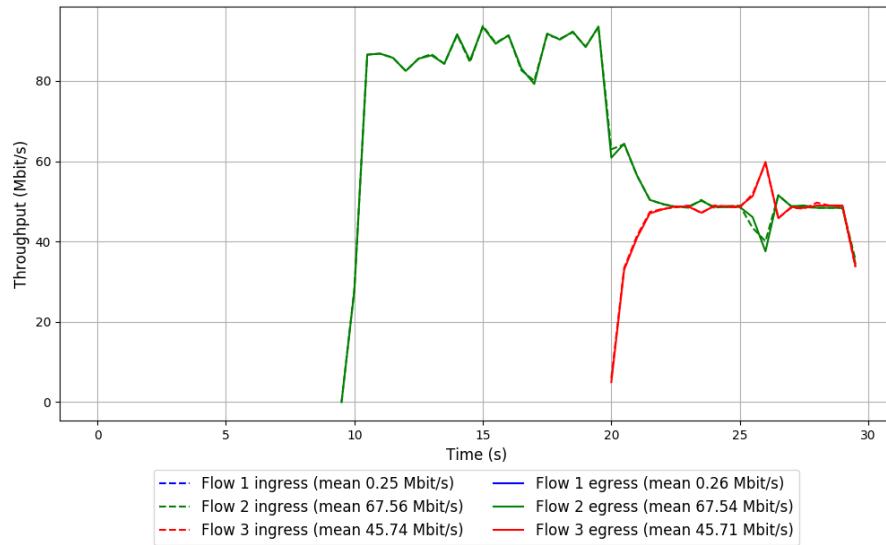


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-03-13 14:42:52
End at: 2018-03-13 14:43:22
Local clock offset: -5.839 ms
Remote clock offset: -6.626 ms

# Below is generated by plot.py at 2018-03-13 20:58:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.00 Mbit/s
95th percentile per-packet one-way delay: 24.603 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 2.715 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.54 Mbit/s
95th percentile per-packet one-way delay: 24.562 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 45.71 Mbit/s
95th percentile per-packet one-way delay: 24.681 ms
Loss rate: 0.24%
```

Run 2: Report of QUIC Cubic — Data Link

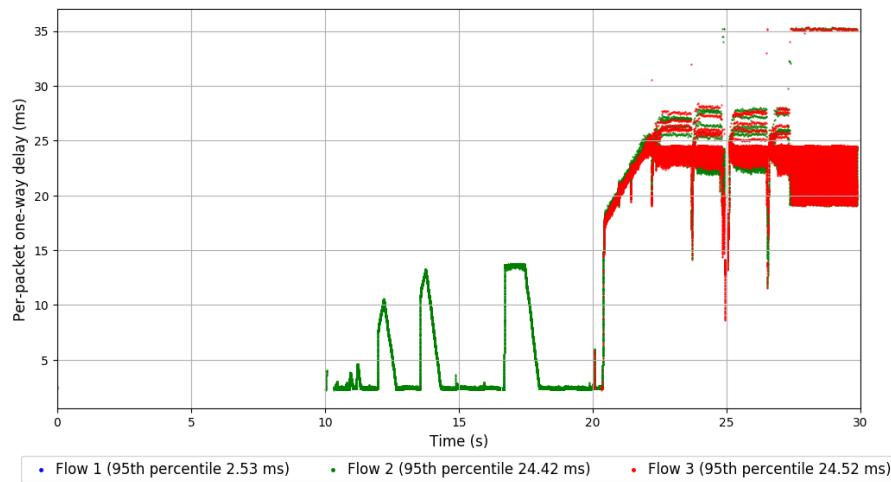
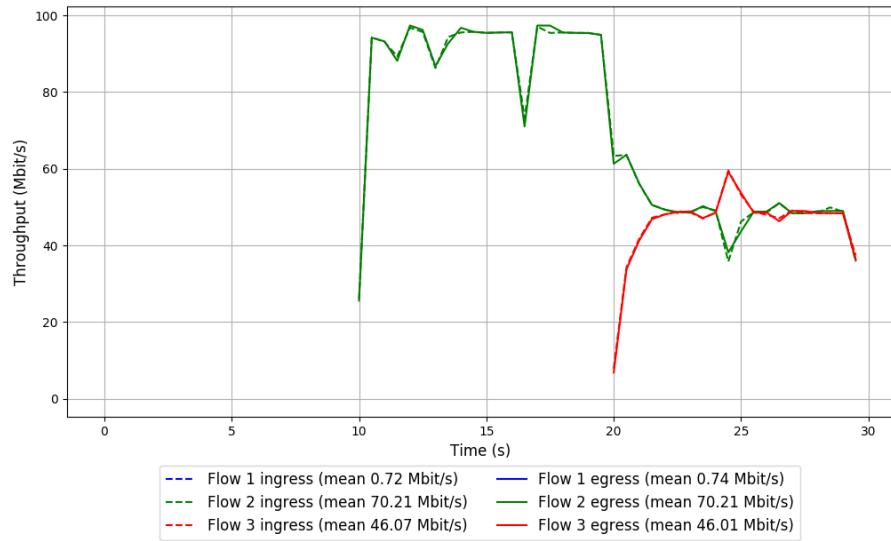


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-03-13 15:03:16
End at: 2018-03-13 15:03:46
Local clock offset: -6.784 ms
Remote clock offset: -6.615 ms

# Below is generated by plot.py at 2018-03-13 20:58:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.84 Mbit/s
95th percentile per-packet one-way delay: 24.456 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 2.531 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.21 Mbit/s
95th percentile per-packet one-way delay: 24.422 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 46.01 Mbit/s
95th percentile per-packet one-way delay: 24.519 ms
Loss rate: 0.34%
```

Run 3: Report of QUIC Cubic — Data Link

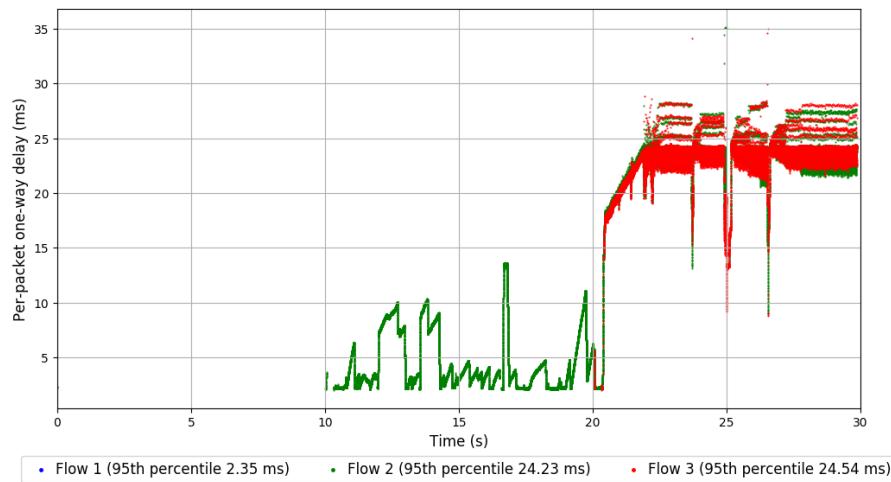
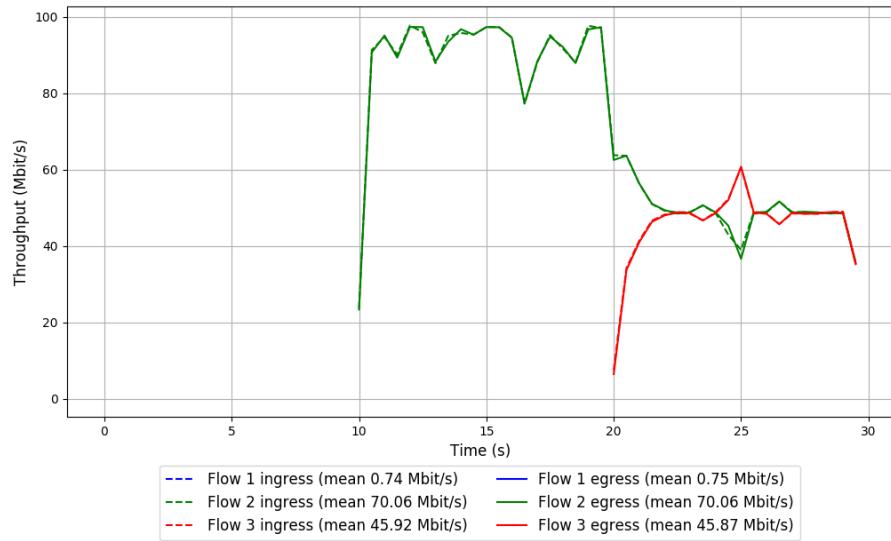


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-03-13 15:23:42
End at: 2018-03-13 15:24:12
Local clock offset: -3.095 ms
Remote clock offset: -6.697 ms

# Below is generated by plot.py at 2018-03-13 20:58:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.68 Mbit/s
95th percentile per-packet one-way delay: 24.263 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 2.347 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.06 Mbit/s
95th percentile per-packet one-way delay: 24.226 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 45.87 Mbit/s
95th percentile per-packet one-way delay: 24.535 ms
Loss rate: 0.30%
```

Run 4: Report of QUIC Cubic — Data Link

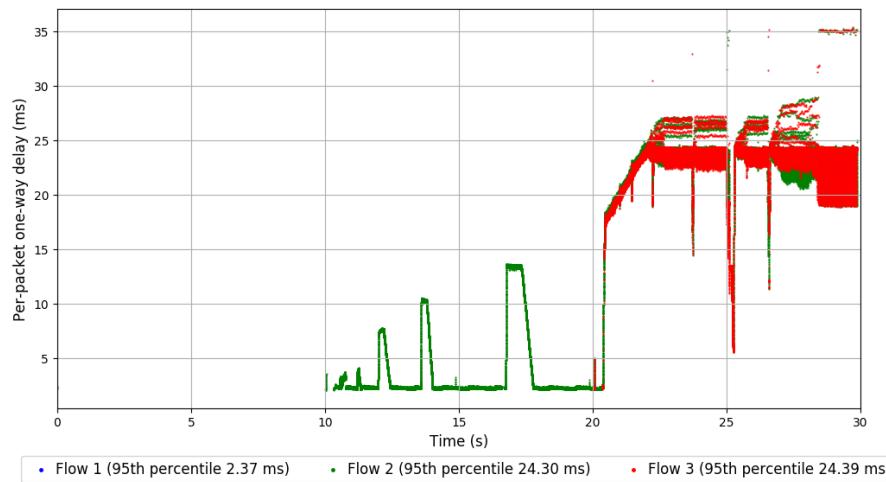
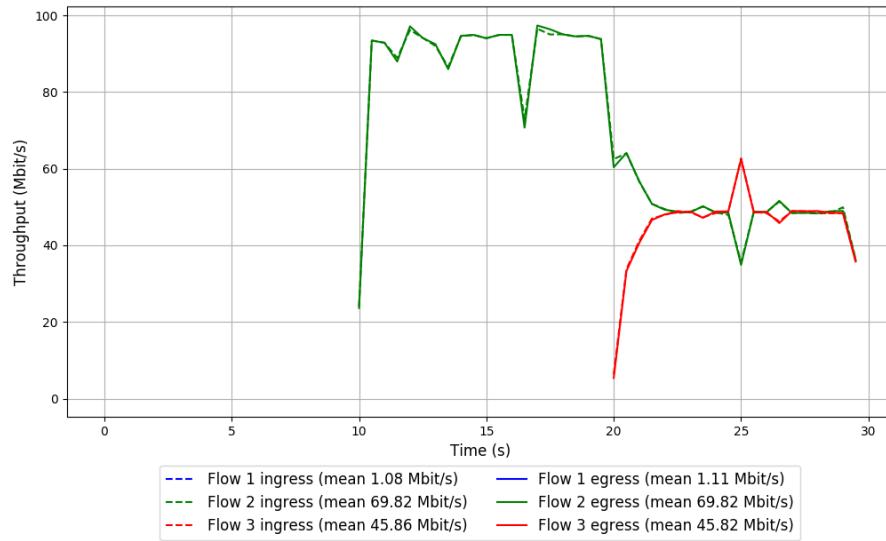


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-03-13 15:44:06
End at: 2018-03-13 15:44:36
Local clock offset: 0.146 ms
Remote clock offset: -6.781 ms

# Below is generated by plot.py at 2018-03-13 20:59:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.51 Mbit/s
95th percentile per-packet one-way delay: 24.325 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 2.369 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.82 Mbit/s
95th percentile per-packet one-way delay: 24.297 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 45.82 Mbit/s
95th percentile per-packet one-way delay: 24.388 ms
Loss rate: 0.24%
```

Run 5: Report of QUIC Cubic — Data Link

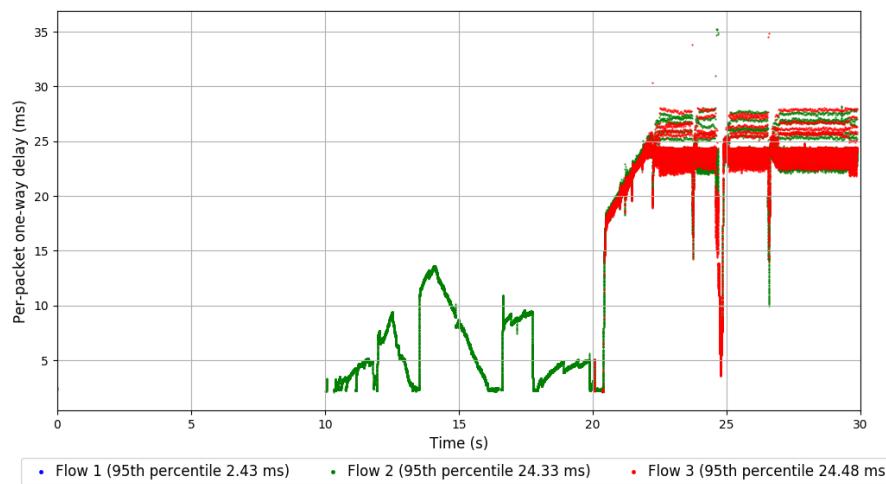
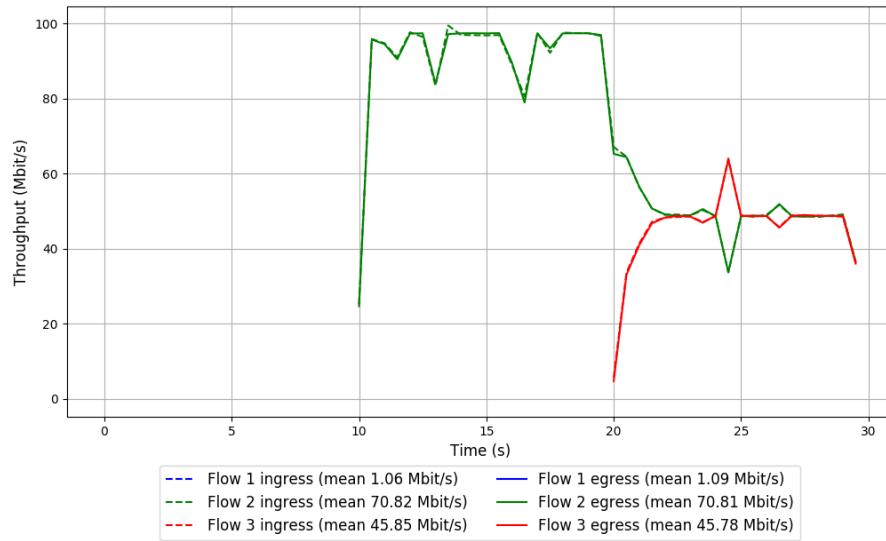


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-03-13 16:04:31
End at: 2018-03-13 16:05:02
Local clock offset: 2.11 ms
Remote clock offset: -6.772 ms

# Below is generated by plot.py at 2018-03-13 20:59:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.17 Mbit/s
95th percentile per-packet one-way delay: 24.360 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 2.429 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.81 Mbit/s
95th percentile per-packet one-way delay: 24.328 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 45.78 Mbit/s
95th percentile per-packet one-way delay: 24.484 ms
Loss rate: 0.28%
```

Run 6: Report of QUIC Cubic — Data Link

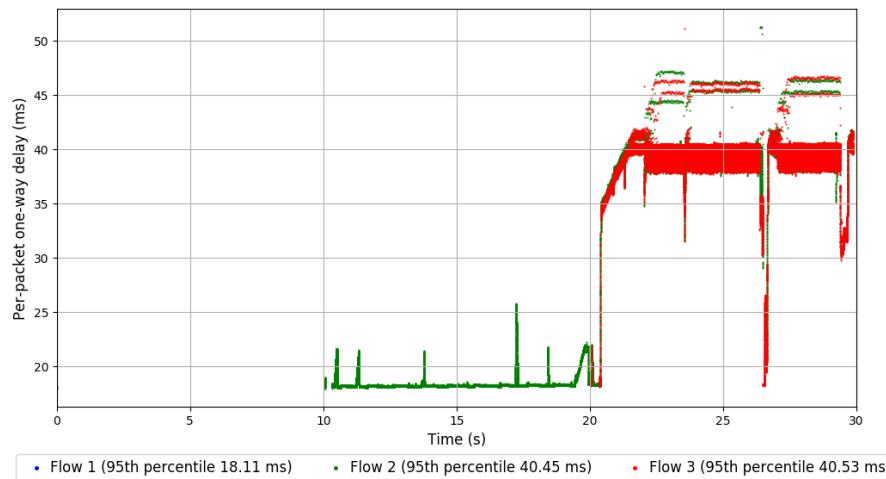
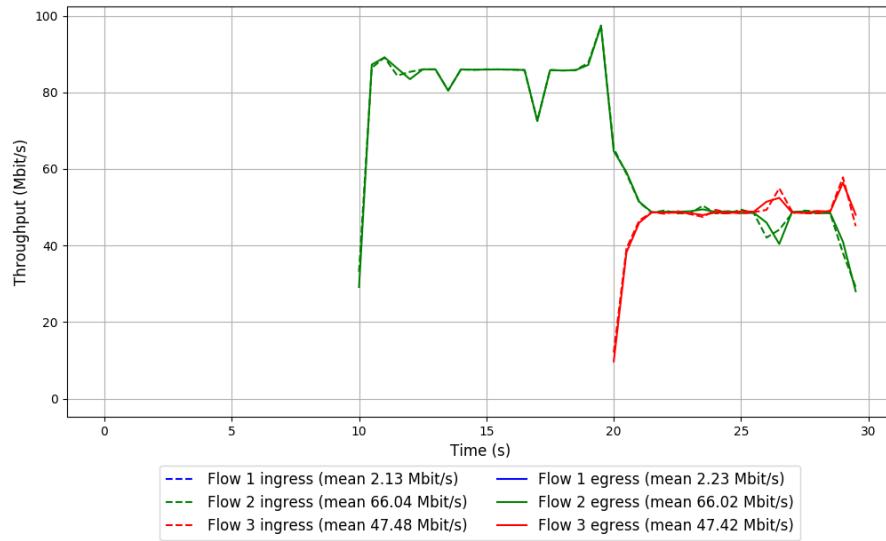


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-03-13 16:24:57
End at: 2018-03-13 16:25:27
Local clock offset: 1.83 ms
Remote clock offset: -22.946 ms

# Below is generated by plot.py at 2018-03-13 20:59:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.52 Mbit/s
95th percentile per-packet one-way delay: 40.478 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 18.115 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.02 Mbit/s
95th percentile per-packet one-way delay: 40.445 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 40.534 ms
Loss rate: 0.23%
```

Run 7: Report of QUIC Cubic — Data Link

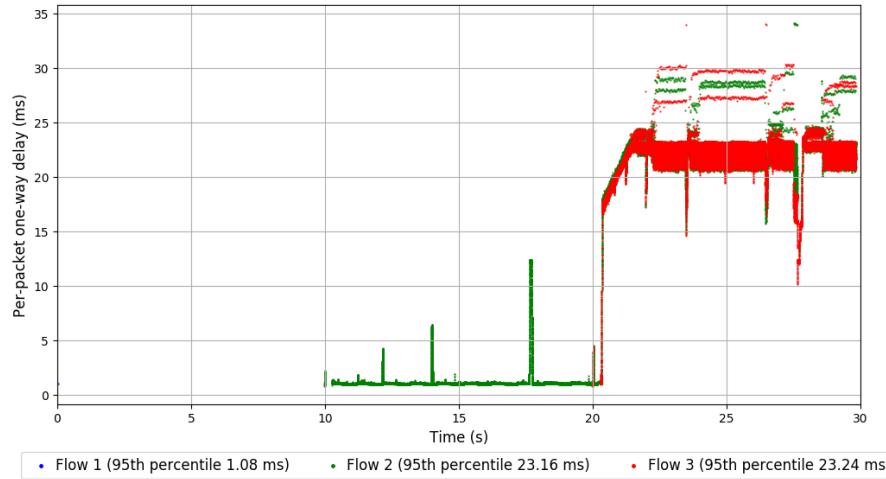
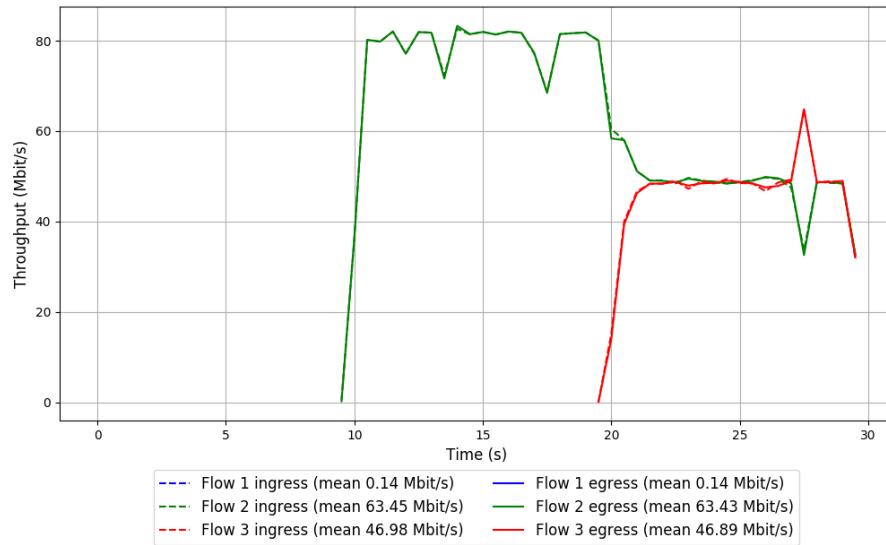


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-03-13 16:45:16
End at: 2018-03-13 16:45:46
Local clock offset: -6.835 ms
Remote clock offset: -6.412 ms

# Below is generated by plot.py at 2018-03-13 20:59:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.72 Mbit/s
95th percentile per-packet one-way delay: 23.185 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.43 Mbit/s
95th percentile per-packet one-way delay: 23.156 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 23.240 ms
Loss rate: 0.20%
```

Run 8: Report of QUIC Cubic — Data Link

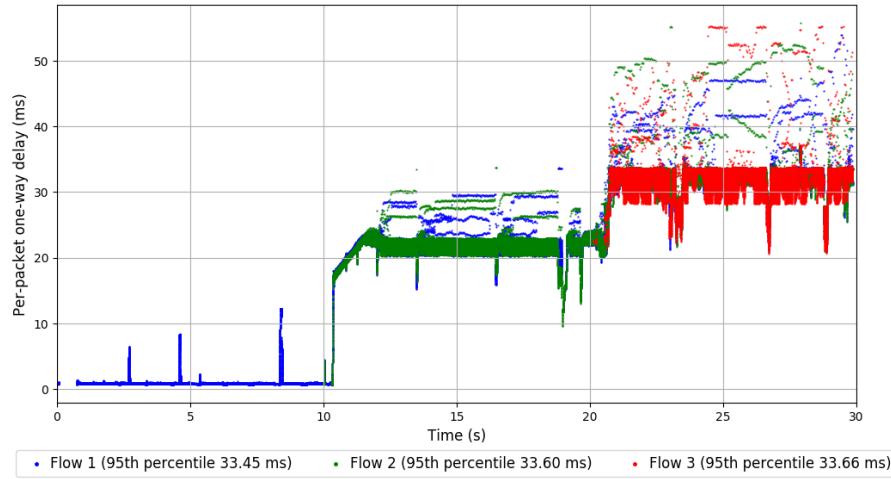
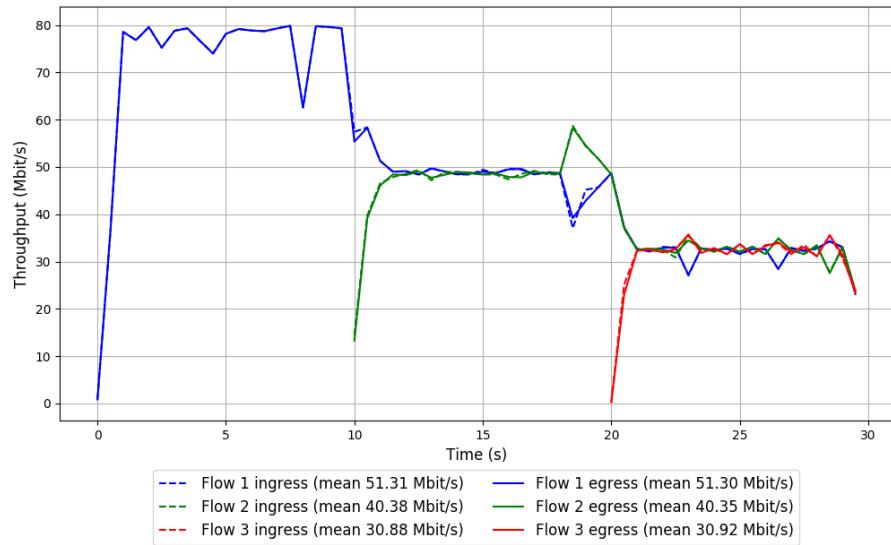


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-03-13 17:05:34
End at: 2018-03-13 17:06:04
Local clock offset: -5.207 ms
Remote clock offset: -6.361 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 33.580 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 51.30 Mbit/s
95th percentile per-packet one-way delay: 33.449 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 33.603 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 33.663 ms
Loss rate: 0.35%
```

Run 9: Report of QUIC Cubic — Data Link

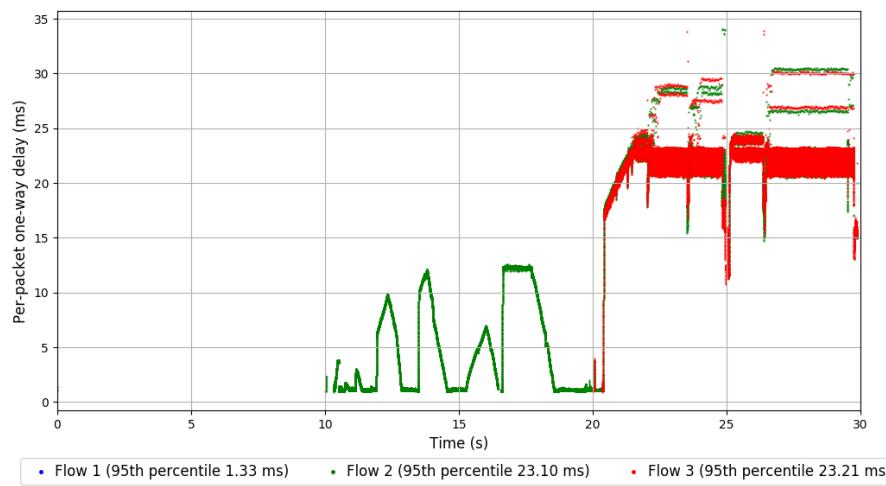
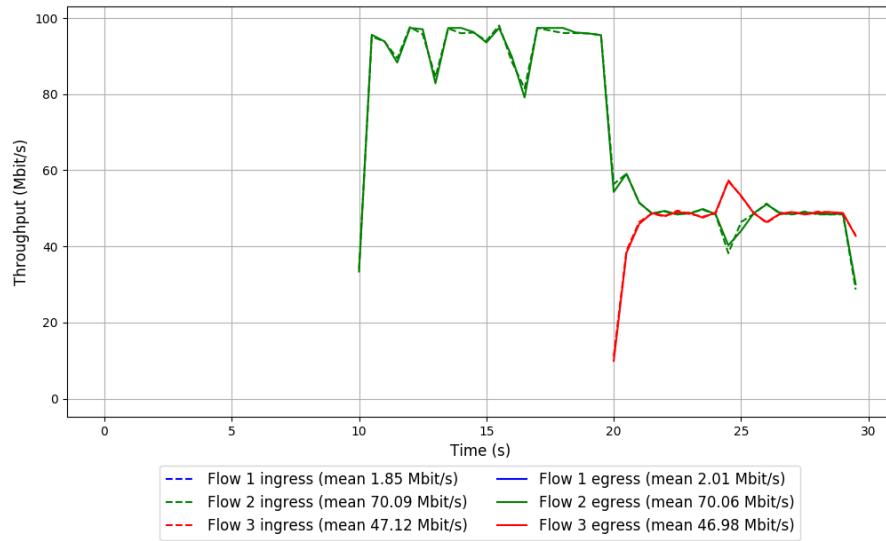


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-03-13 17:25:55
End at: 2018-03-13 17:26:25
Local clock offset: -3.635 ms
Remote clock offset: -7.048 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.06 Mbit/s
95th percentile per-packet one-way delay: 23.139 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 1.332 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.06 Mbit/s
95th percentile per-packet one-way delay: 23.099 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 46.98 Mbit/s
95th percentile per-packet one-way delay: 23.207 ms
Loss rate: 0.24%
```

Run 10: Report of QUIC Cubic — Data Link

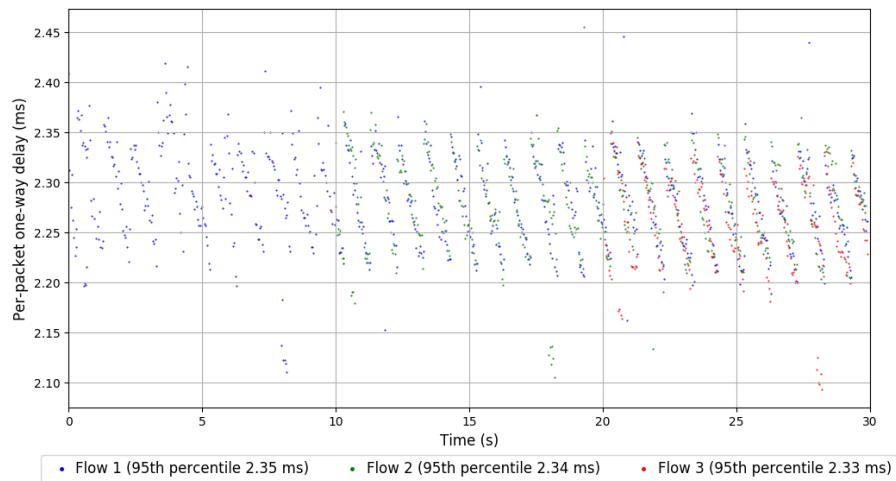
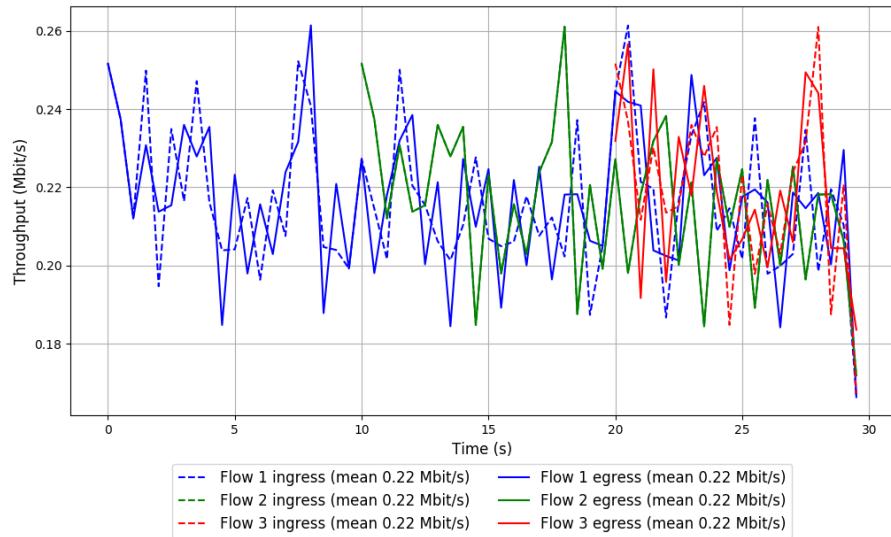


```
Run 1: Statistics of SCReAM

Start at: 2018-03-13 14:10:02
End at: 2018-03-13 14:10:32
Local clock offset: -6.202 ms
Remote clock offset: -6.851 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.341 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.325 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

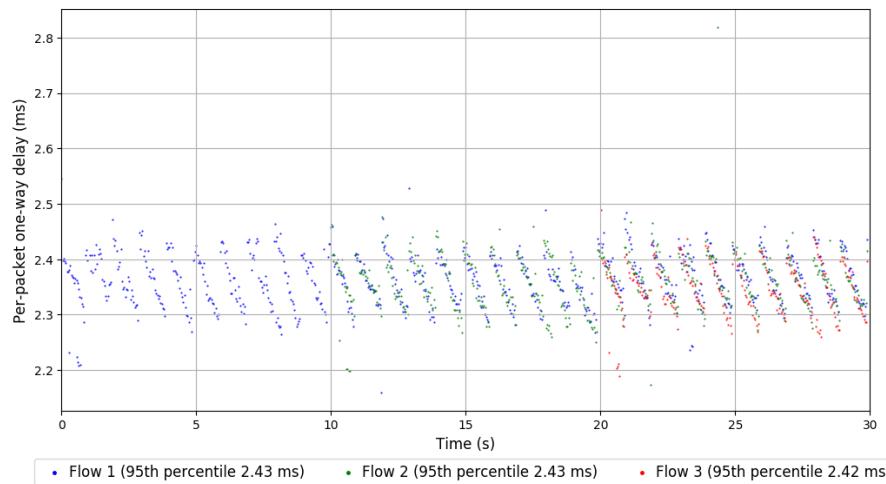
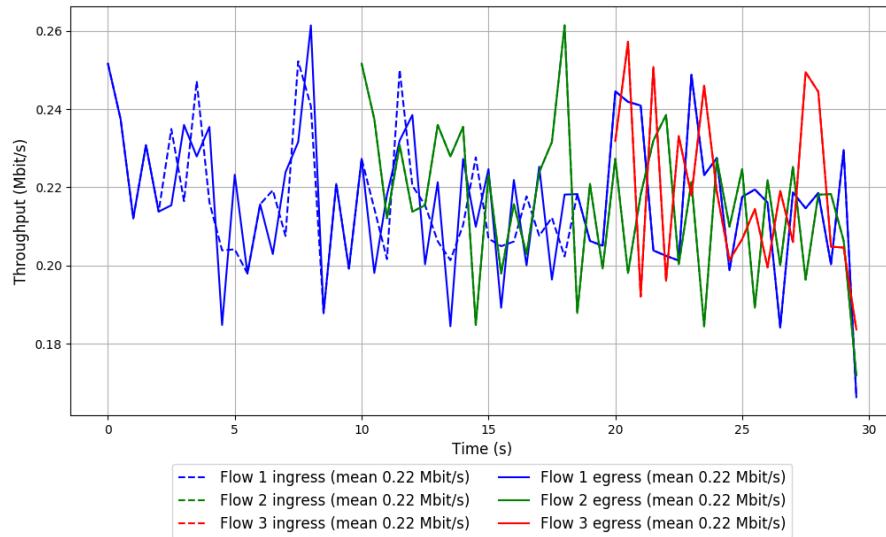


Run 2: Statistics of SCReAM

```
Start at: 2018-03-13 14:30:29
End at: 2018-03-13 14:30:59
Local clock offset: -5.641 ms
Remote clock offset: -6.676 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.433 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.429 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.416 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

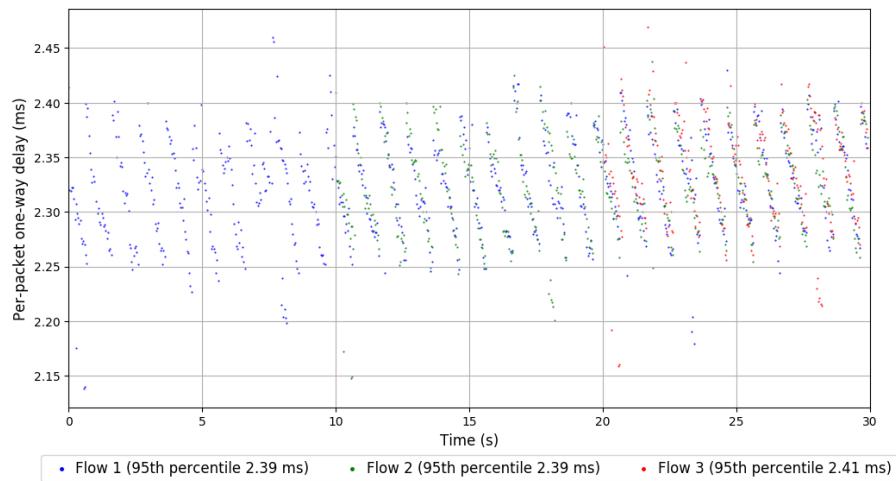
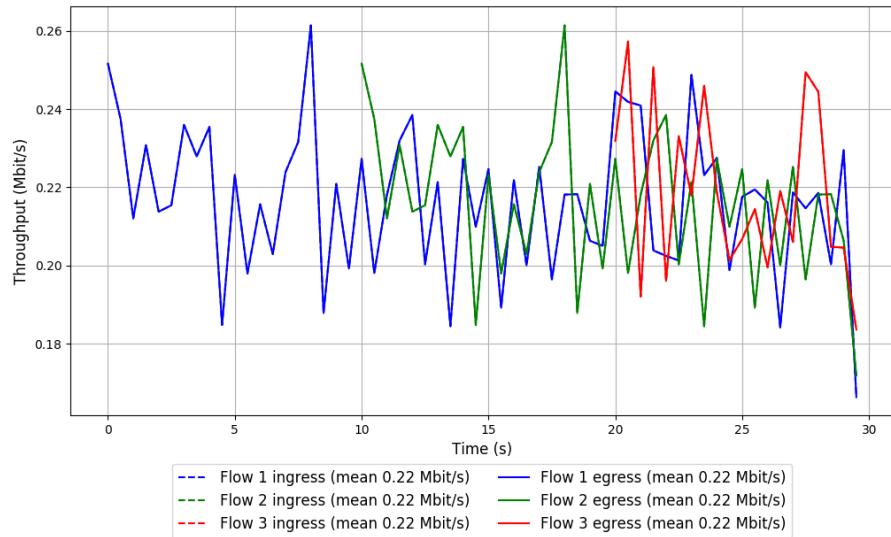


Run 3: Statistics of SCReAM

```
Start at: 2018-03-13 14:50:53
End at: 2018-03-13 14:51:23
Local clock offset: -6.56 ms
Remote clock offset: -6.643 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.395 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.393 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.393 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.406 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

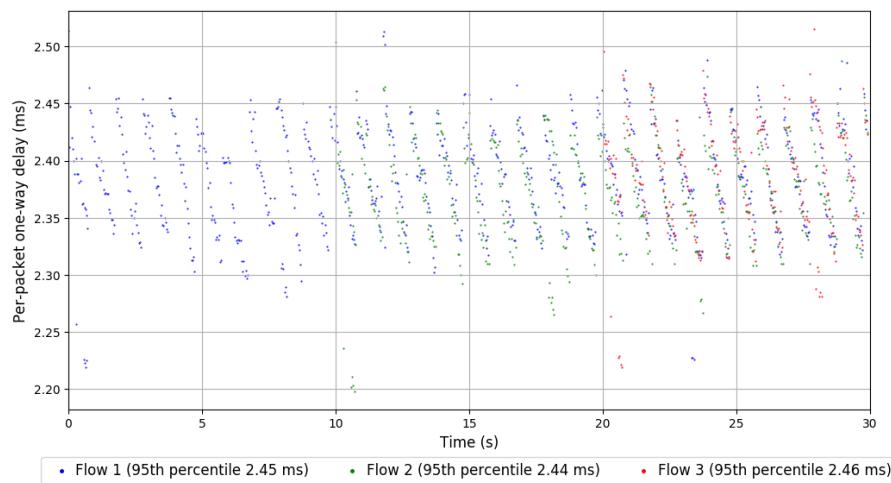
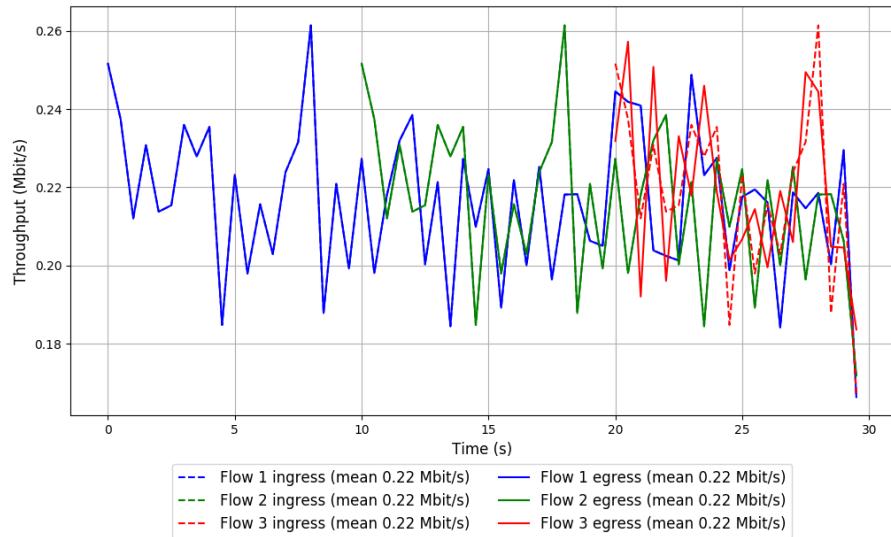


Run 4: Statistics of SCReAM

```
Start at: 2018-03-13 15:11:18
End at: 2018-03-13 15:11:48
Local clock offset: -6.854 ms
Remote clock offset: -6.662 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.438 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.456 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

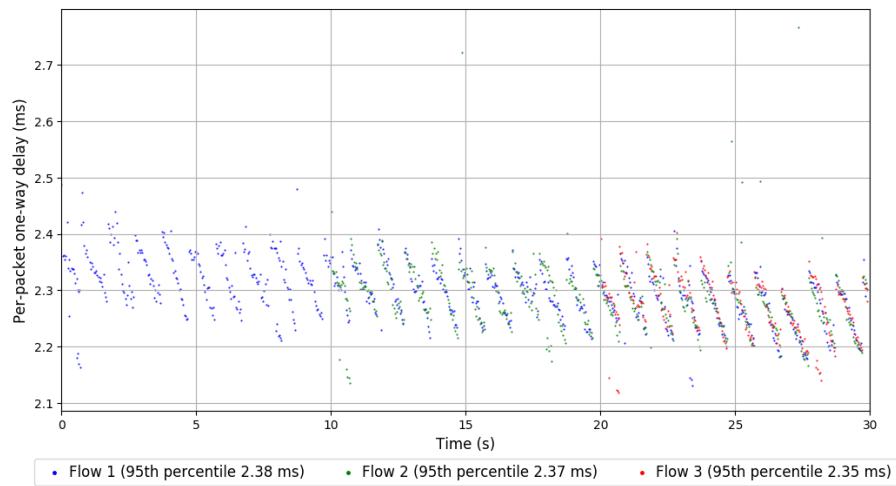
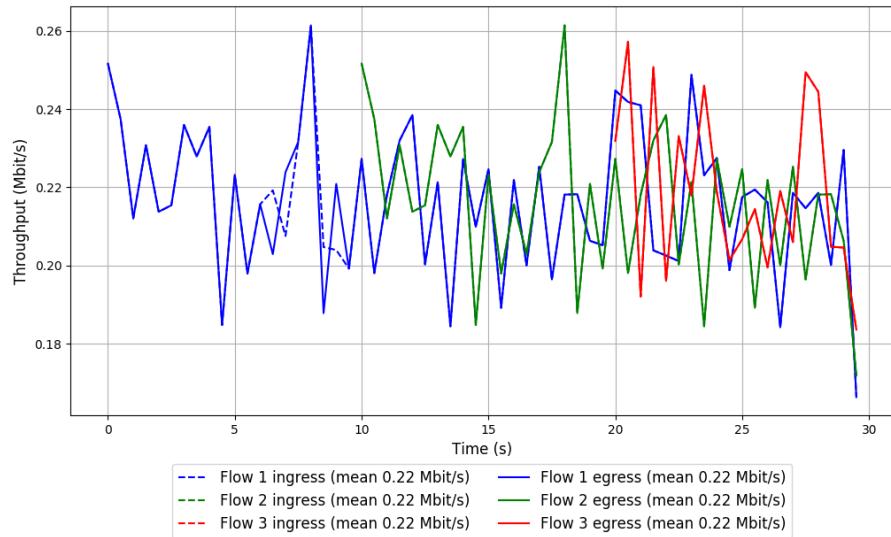


Run 5: Statistics of SCReAM

```
Start at: 2018-03-13 15:31:44
End at: 2018-03-13 15:32:14
Local clock offset: -1.351 ms
Remote clock offset: -6.756 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.381 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.366 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.353 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

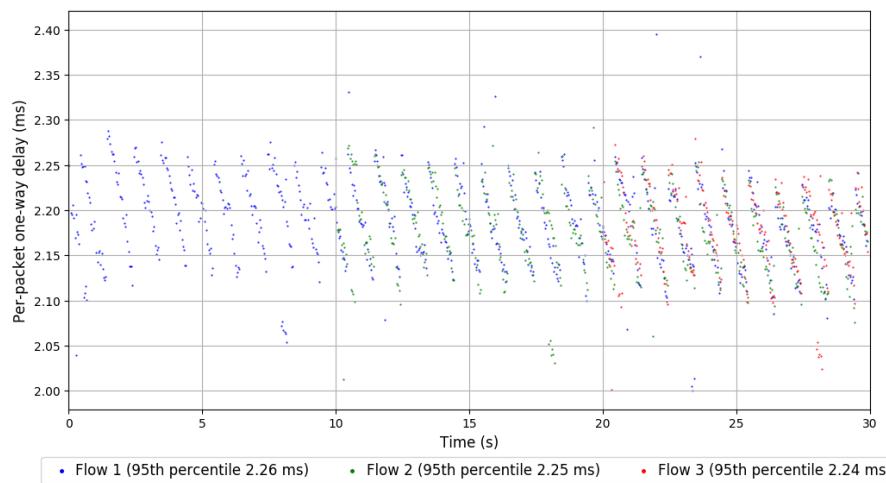
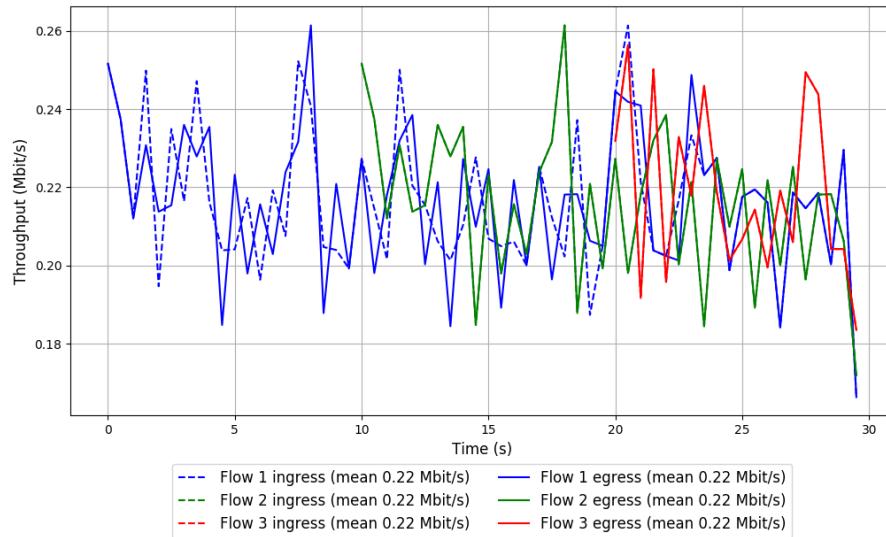


Run 6: Statistics of SCReAM

```
Start at: 2018-03-13 15:52:08
End at: 2018-03-13 15:52:38
Local clock offset: 0.979 ms
Remote clock offset: -6.789 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.258 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.247 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.244 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

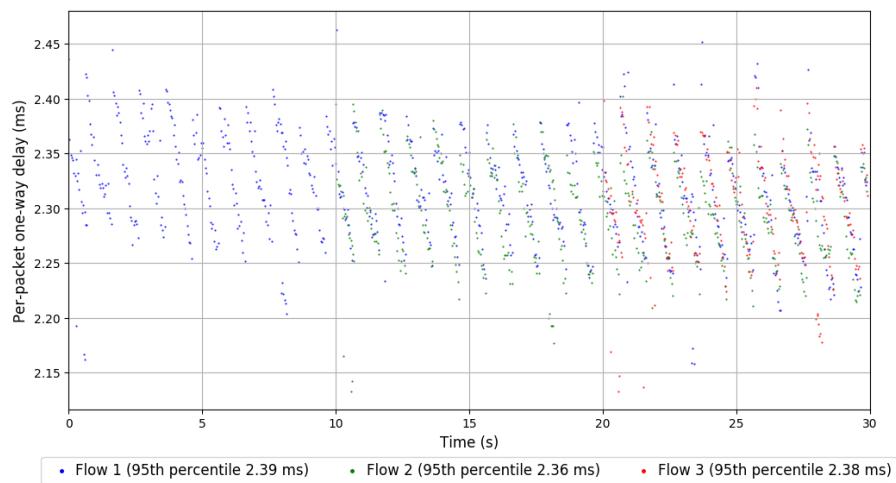
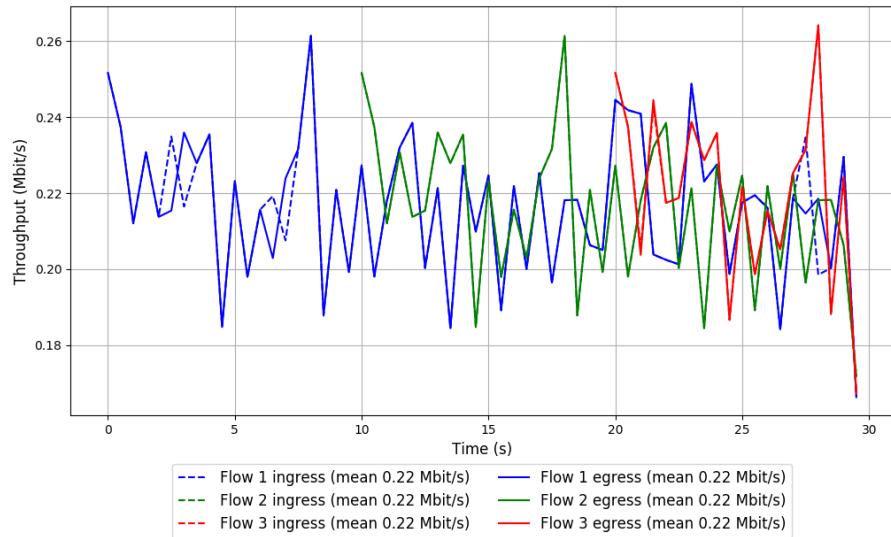


Run 7: Statistics of SCReAM

```
Start at: 2018-03-13 16:12:35
End at: 2018-03-13 16:13:05
Local clock offset: 3.001 ms
Remote clock offset: -6.559 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.391 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.363 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.379 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

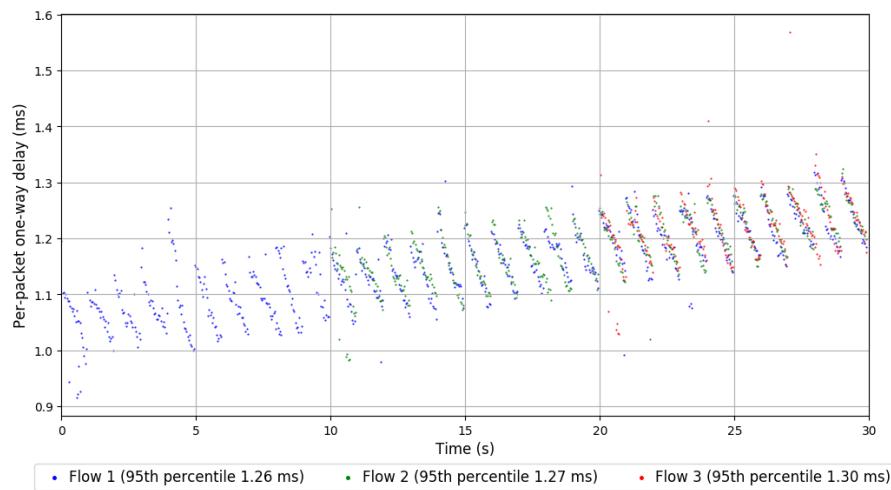
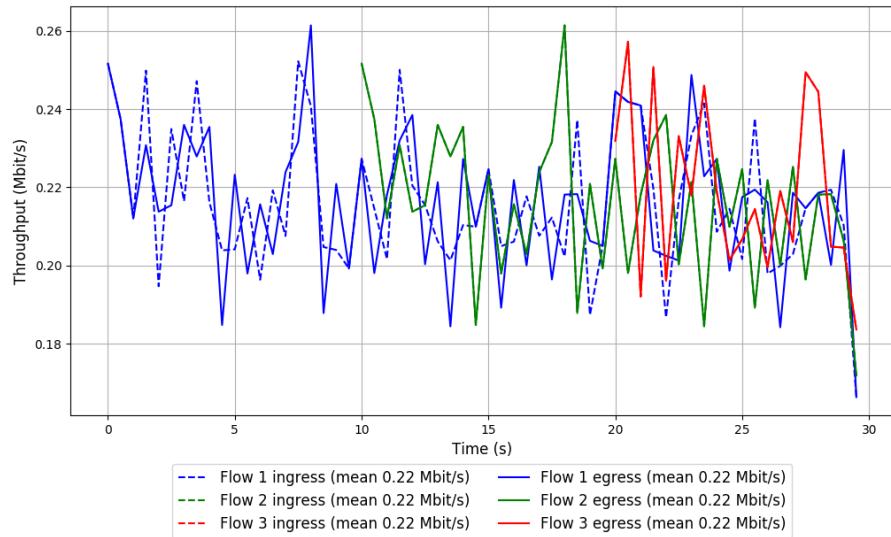


Run 8: Statistics of SCReAM

```
Start at: 2018-03-13 16:32:57
End at: 2018-03-13 16:33:27
Local clock offset: -3.605 ms
Remote clock offset: -6.45 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.276 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.270 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.298 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

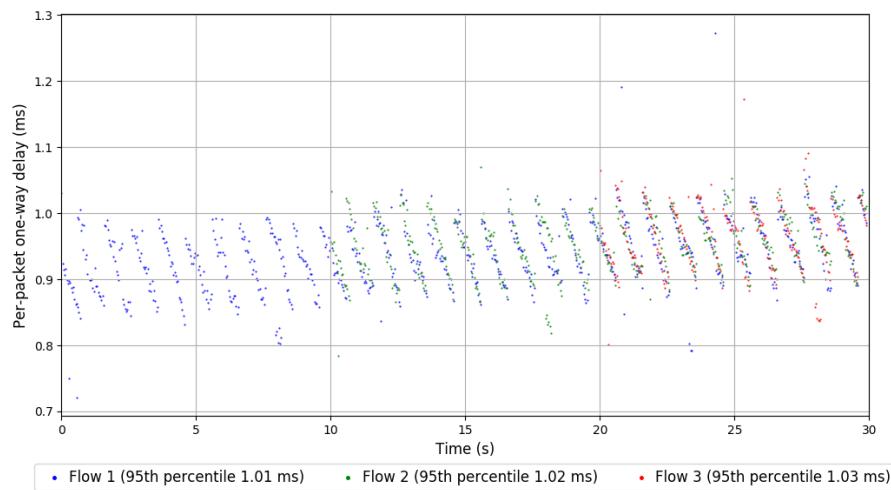
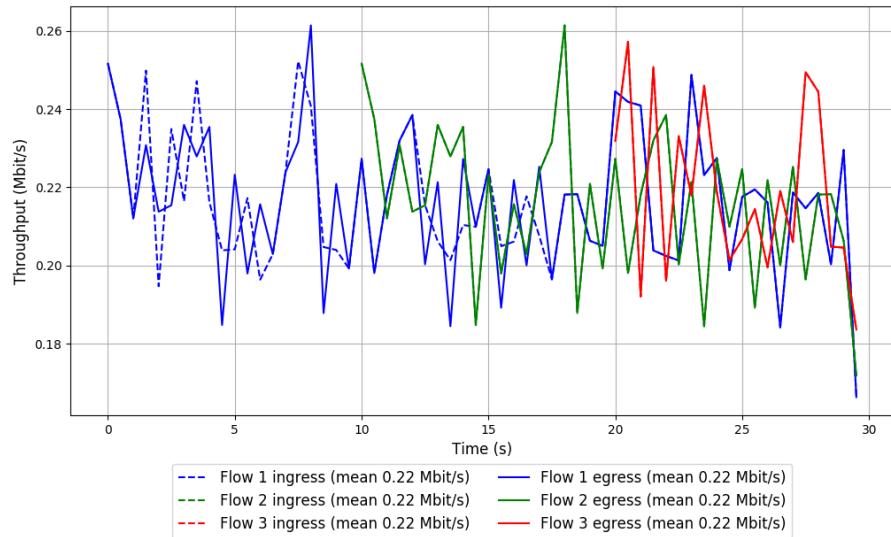


Run 9: Statistics of SCReAM

```
Start at: 2018-03-13 16:53:17
End at: 2018-03-13 16:53:47
Local clock offset: -7.942 ms
Remote clock offset: -6.397 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.015 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.021 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.034 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

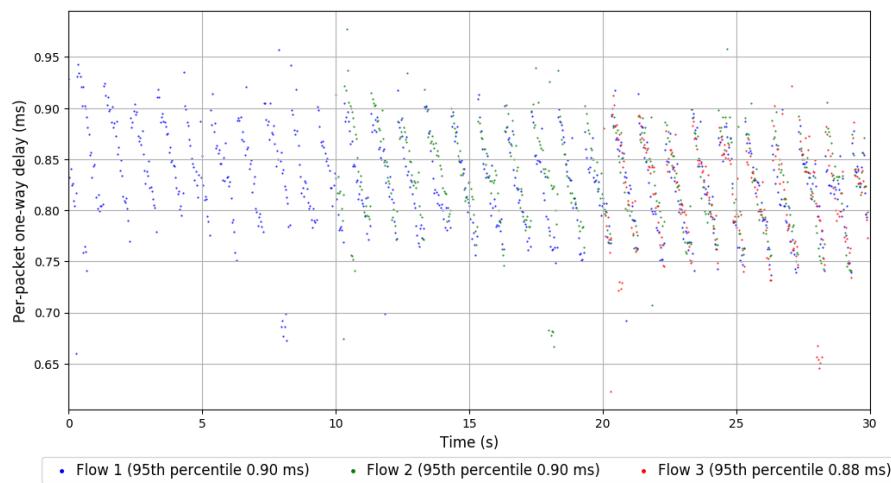
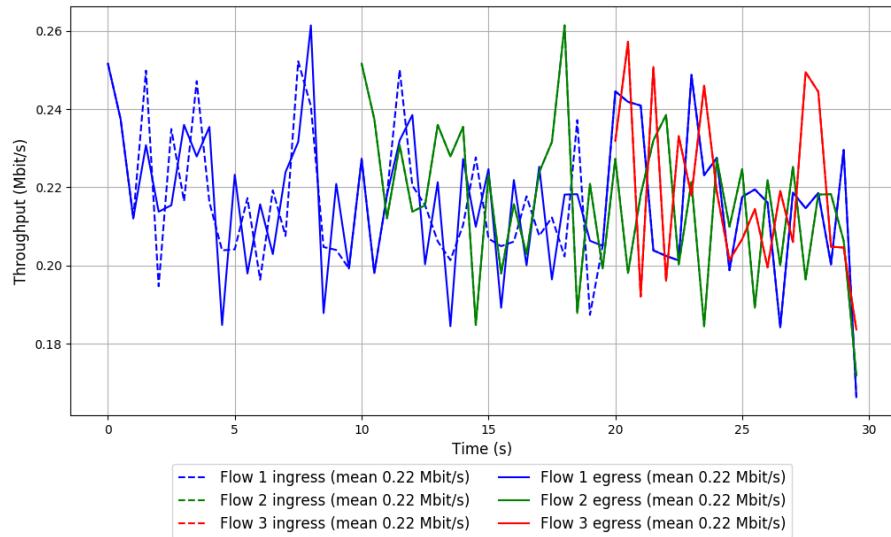


Run 10: Statistics of SCReAM

```
Start at: 2018-03-13 17:13:37
End at: 2018-03-13 17:14:07
Local clock offset: -4.14 ms
Remote clock offset: -6.638 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 0.899 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.901 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.900 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.883 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

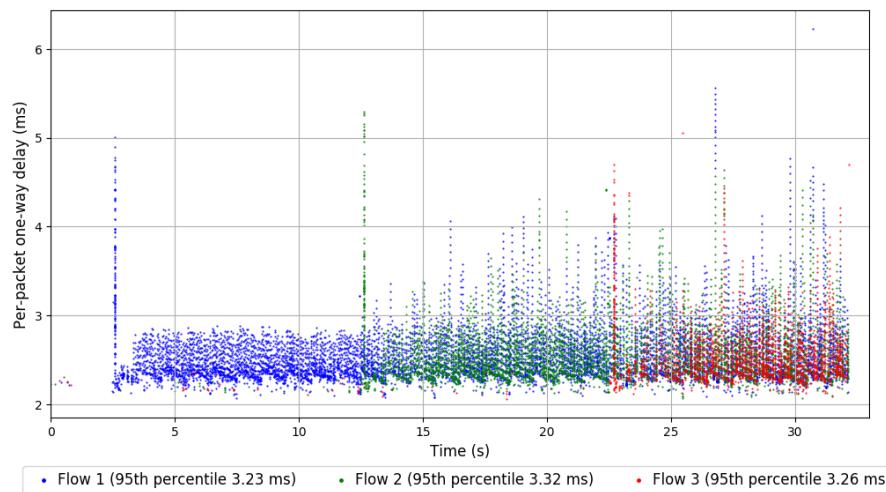
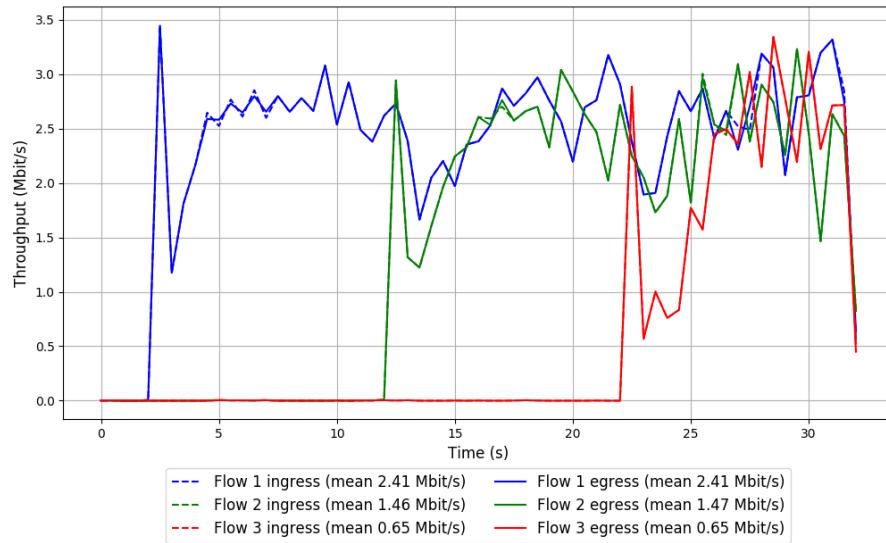


```
Run 1: Statistics of WebRTC media

Start at: 2018-03-13 14:11:06
End at: 2018-03-13 14:11:36
Local clock offset: -6.216 ms
Remote clock offset: -6.908 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 3.268 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 3.229 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 3.318 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 3.263 ms
Loss rate: 0.14%
```

Run 1: Report of WebRTC media — Data Link

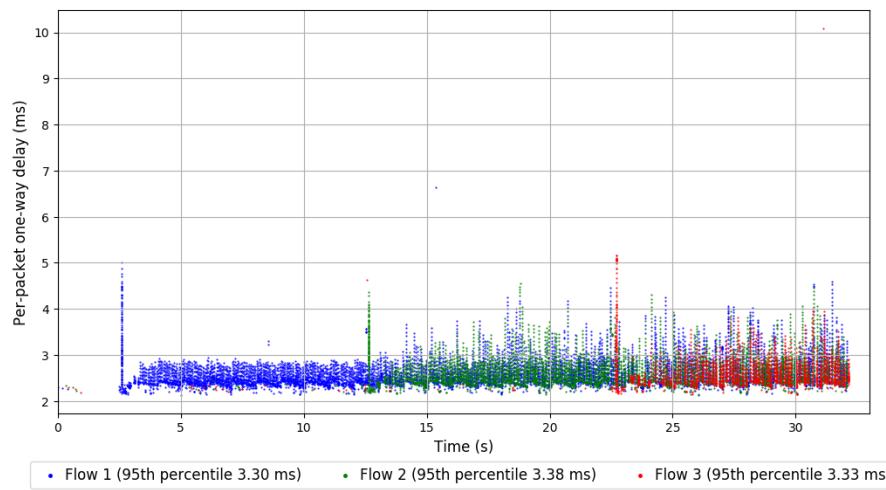
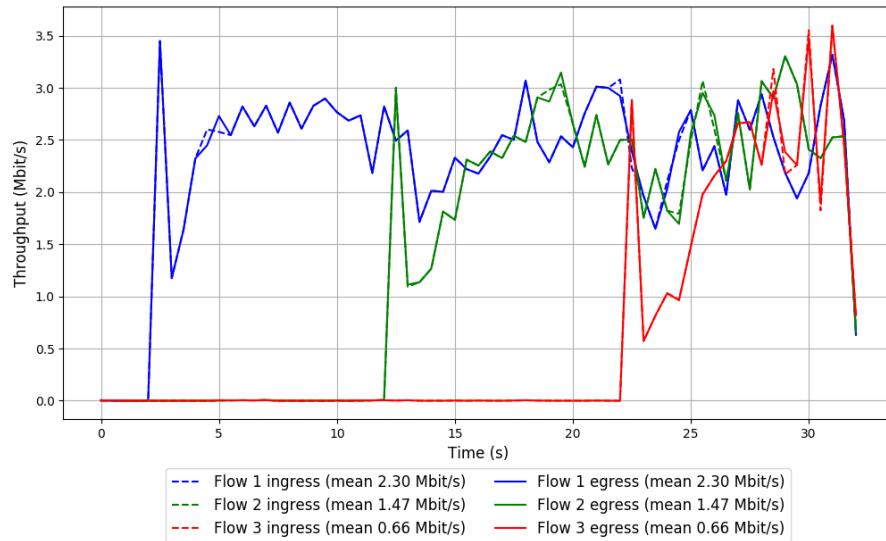


Run 2: Statistics of WebRTC media

```
Start at: 2018-03-13 14:31:33
End at: 2018-03-13 14:32:03
Local clock offset: -5.674 ms
Remote clock offset: -6.701 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 3.331 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 3.300 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 3.382 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 3.334 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

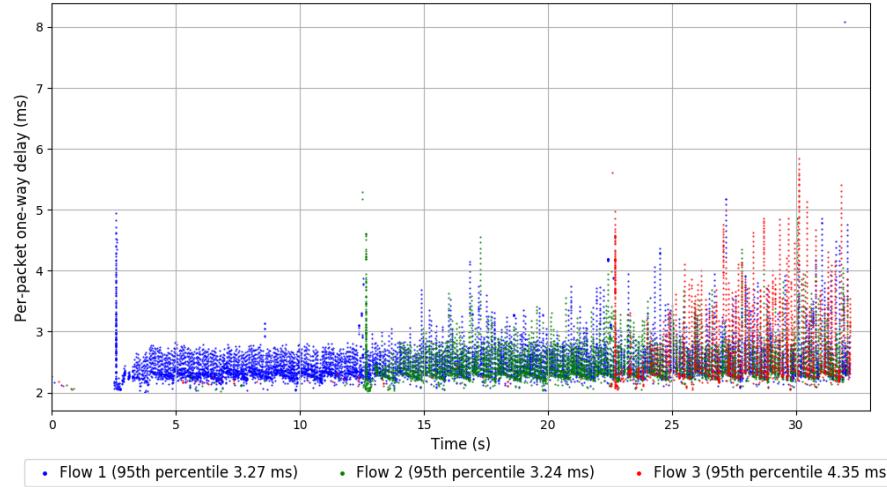
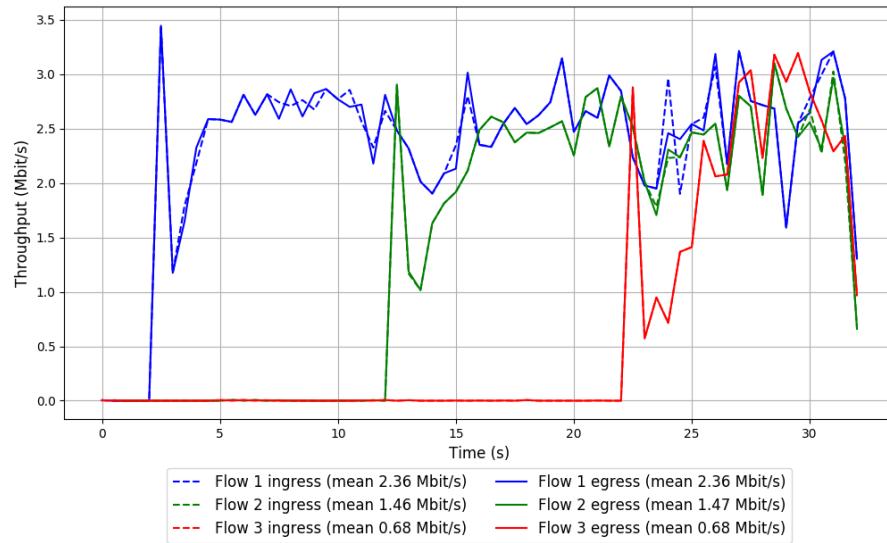


Run 3: Statistics of WebRTC media

```
Start at: 2018-03-13 14:51:57
End at: 2018-03-13 14:52:27
Local clock offset: -6.615 ms
Remote clock offset: -6.554 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 3.539 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 3.271 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 3.242 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 4.351 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

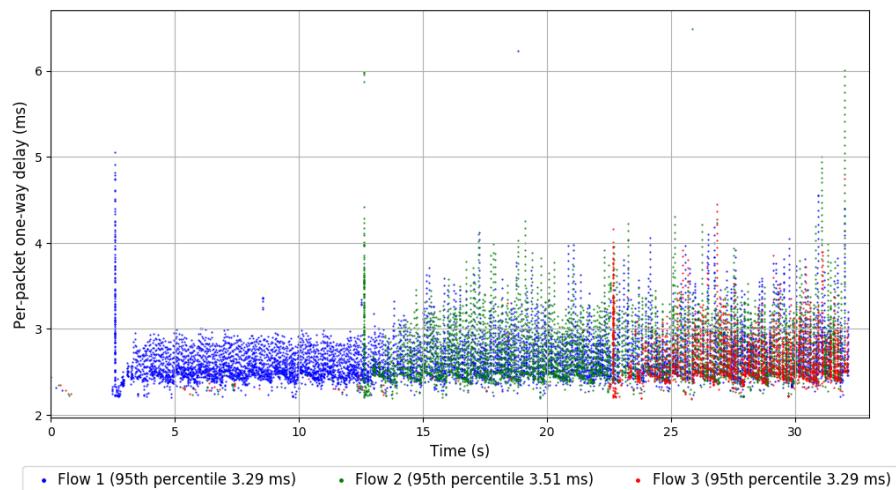
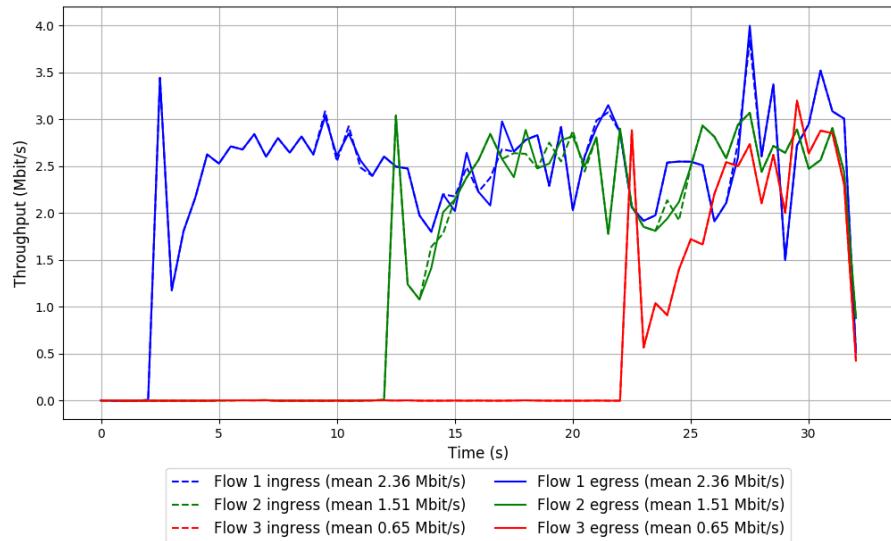


Run 4: Statistics of WebRTC media

```
Start at: 2018-03-13 15:12:22
End at: 2018-03-13 15:12:52
Local clock offset: -6.868 ms
Remote clock offset: -6.66 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 3.372 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 3.290 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 3.510 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 3.295 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

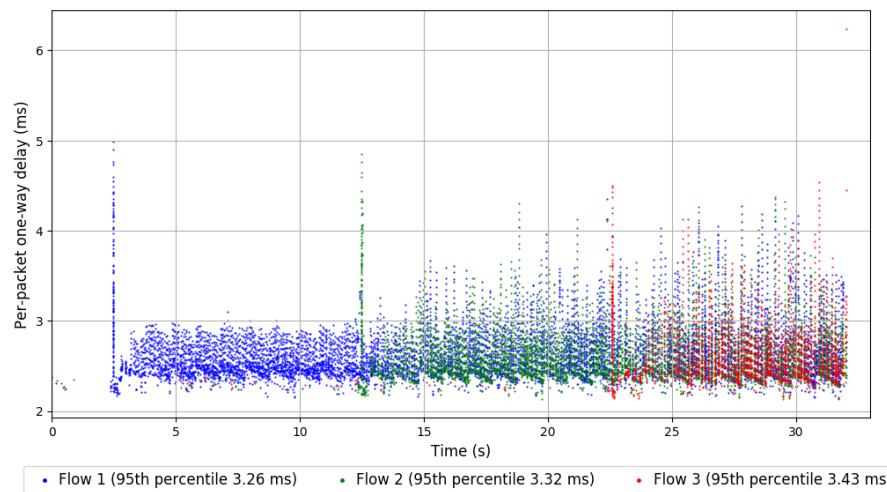
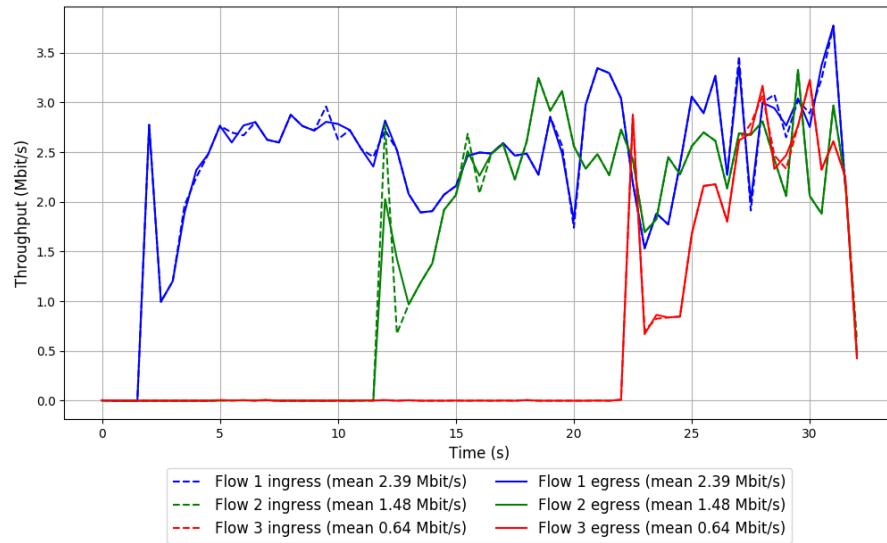


Run 5: Statistics of WebRTC media

```
Start at: 2018-03-13 15:32:48
End at: 2018-03-13 15:33:18
Local clock offset: -1.185 ms
Remote clock offset: -6.808 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 3.311 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 3.262 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 3.319 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 3.431 ms
Loss rate: 0.05%
```

Run 5: Report of WebRTC media — Data Link

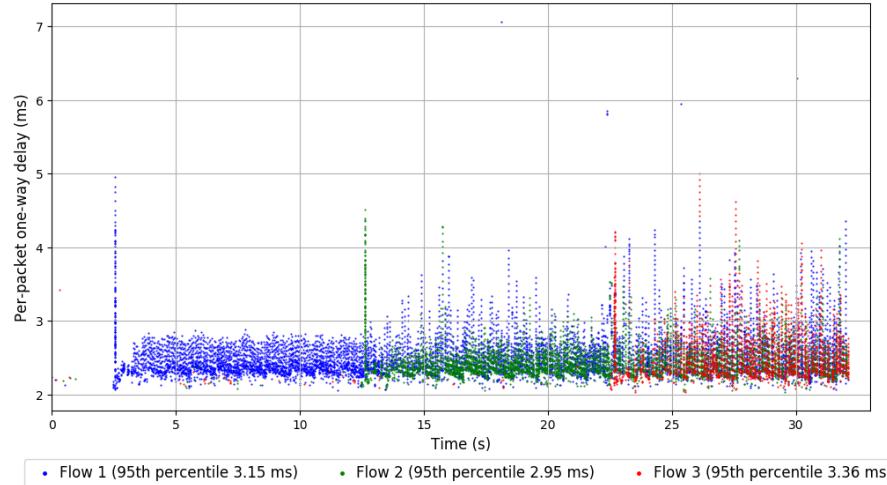
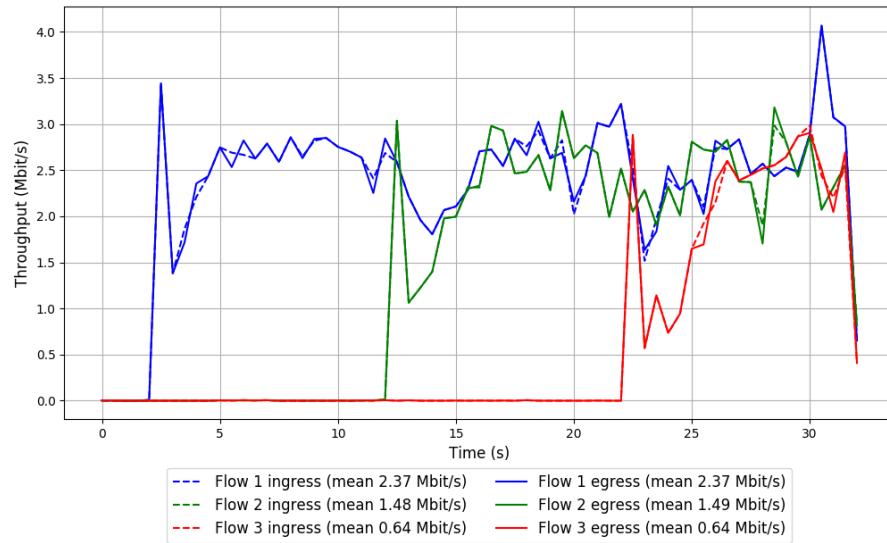


```
Run 6: Statistics of WebRTC media

Start at: 2018-03-13 15:53:12
End at: 2018-03-13 15:53:42
Local clock offset: 1.105 ms
Remote clock offset: -6.826 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 3.137 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 3.152 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 2.953 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 3.356 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

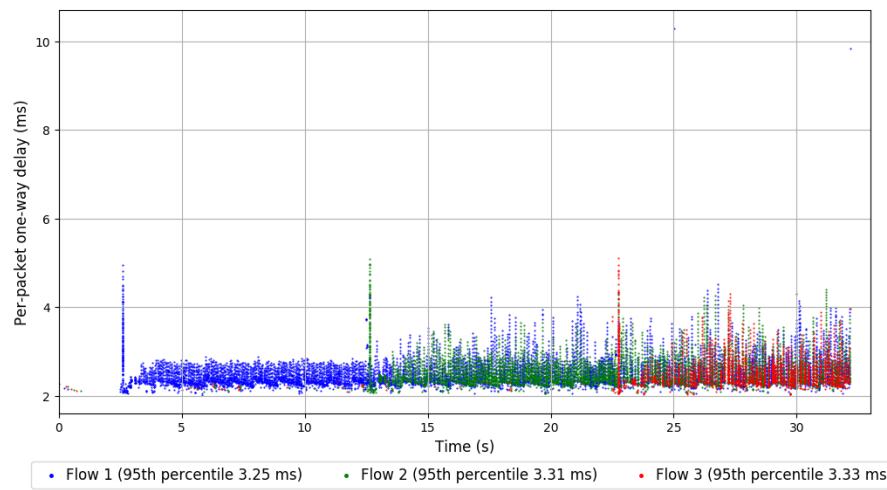
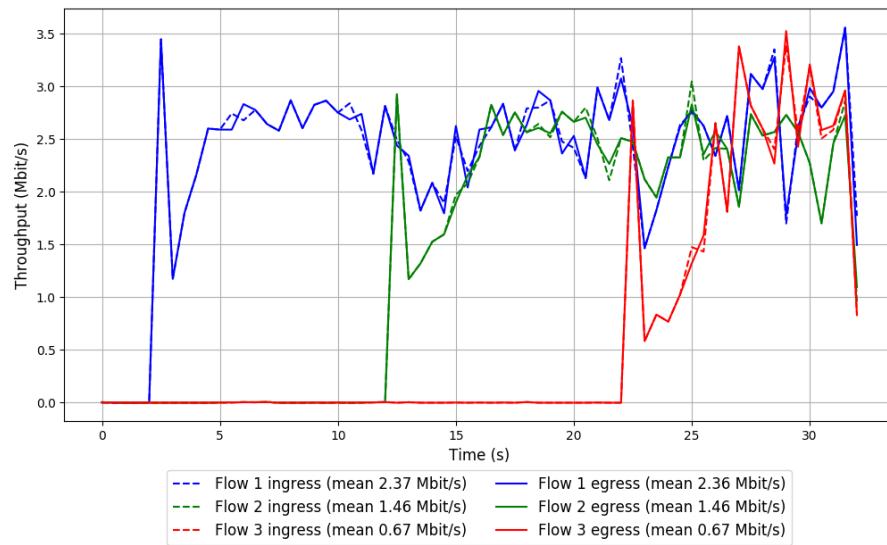


Run 7: Statistics of WebRTC media

```
Start at: 2018-03-13 16:13:39
End at: 2018-03-13 16:14:09
Local clock offset: 3.028 ms
Remote clock offset: -6.55 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 3.286 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 3.253 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 3.307 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 3.334 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

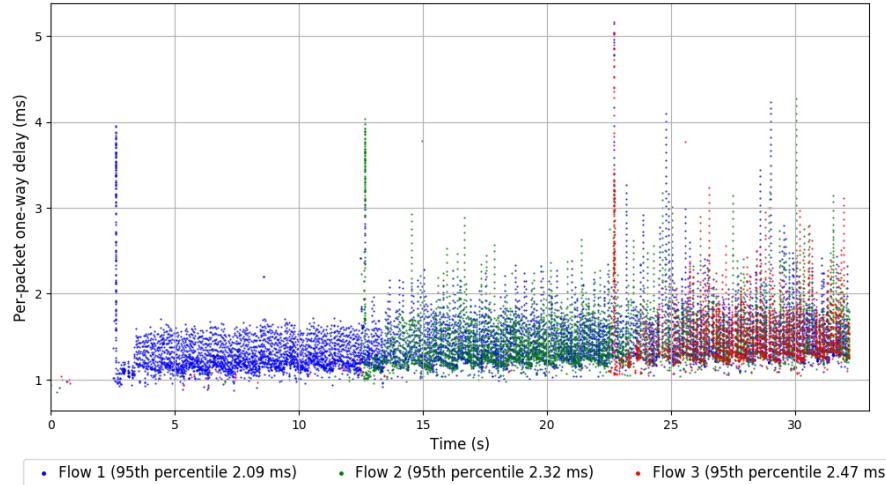
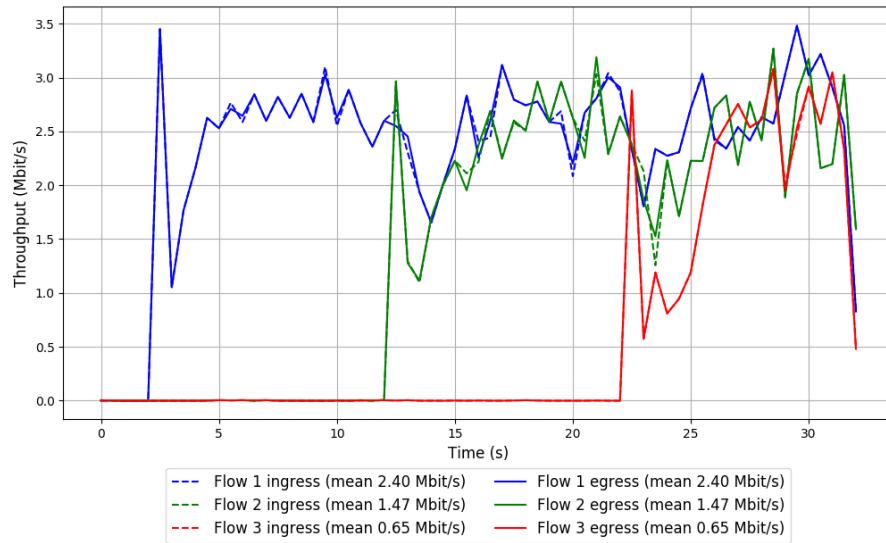


Run 8: Statistics of WebRTC media

```
Start at: 2018-03-13 16:34:01
End at: 2018-03-13 16:34:31
Local clock offset: -4.006 ms
Remote clock offset: -6.442 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 2.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 2.091 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 2.324 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 2.469 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

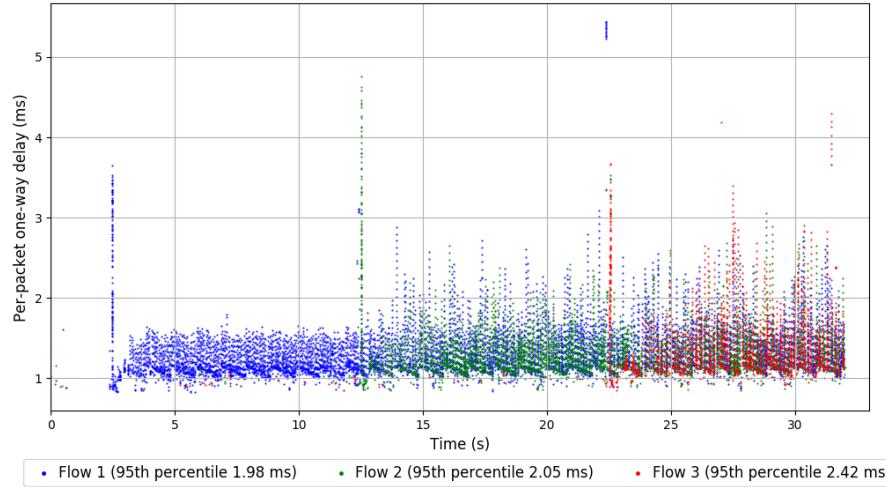
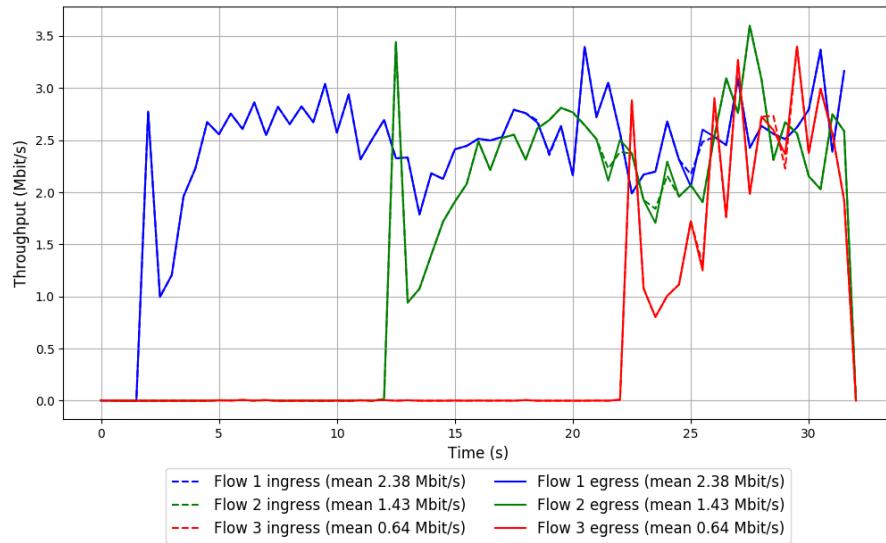


Run 9: Statistics of WebRTC media

```
Start at: 2018-03-13 16:54:21
End at: 2018-03-13 16:54:51
Local clock offset: -7.955 ms
Remote clock offset: -6.396 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 2.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 1.983 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 2.052 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 2.418 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

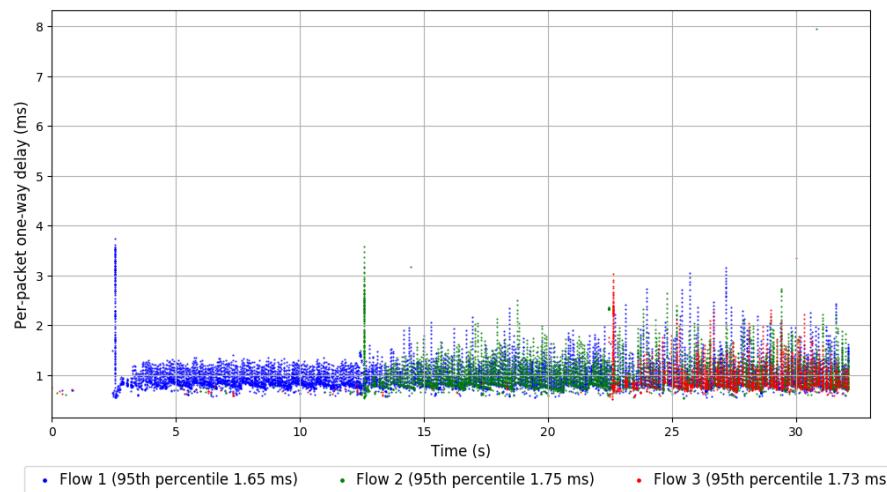
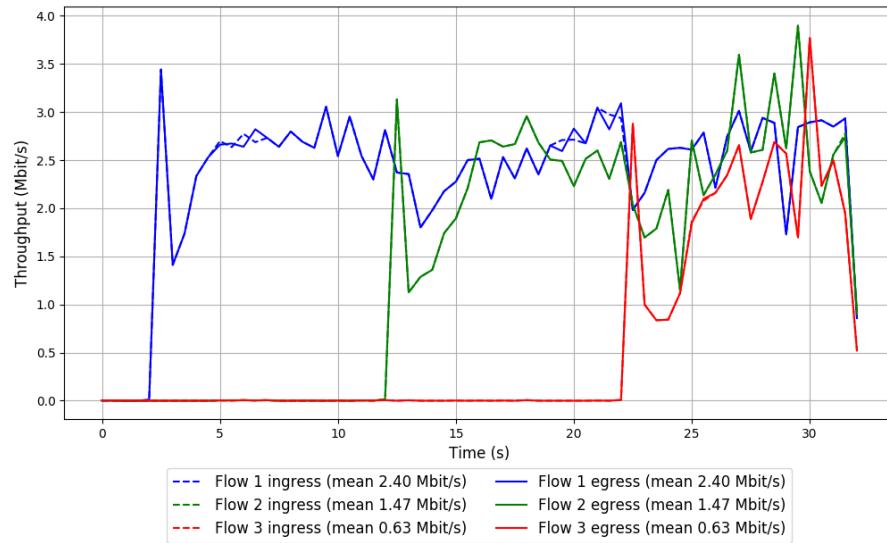


Run 10: Statistics of WebRTC media

```
Start at: 2018-03-13 17:14:40
End at: 2018-03-13 17:15:10
Local clock offset: -4.151 ms
Remote clock offset: -6.68 ms

# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 1.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 1.648 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 1.754 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 1.727 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

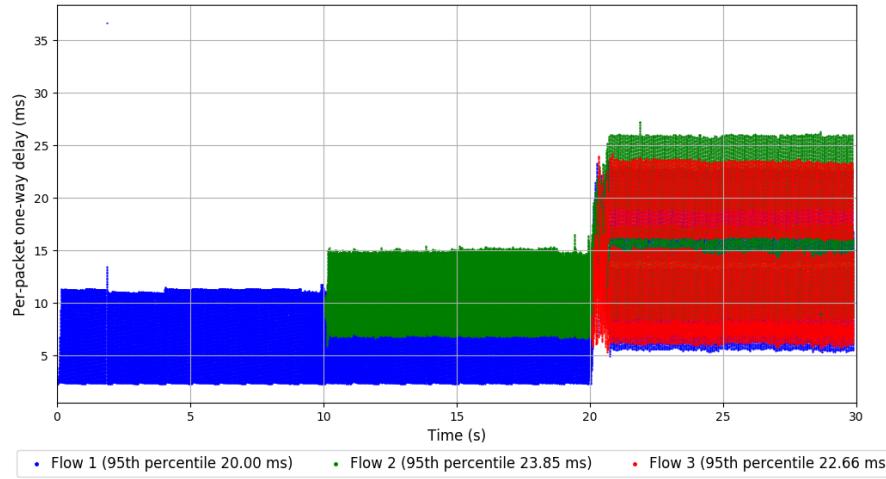
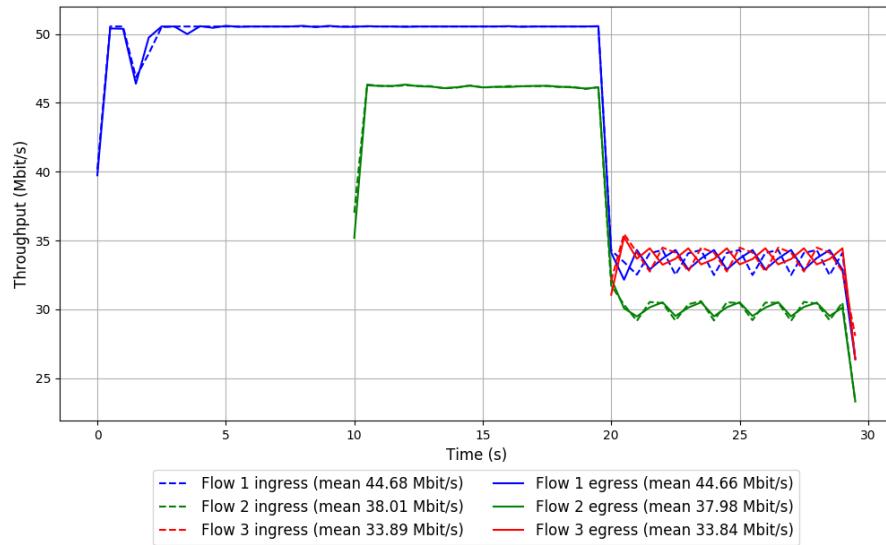


Run 1: Statistics of Sprout

```
Start at: 2018-03-13 14:15:36
End at: 2018-03-13 14:16:06
Local clock offset: -6.005 ms
Remote clock offset: -6.934 ms

# Below is generated by plot.py at 2018-03-13 21:00:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.07 Mbit/s
95th percentile per-packet one-way delay: 22.080 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 44.66 Mbit/s
95th percentile per-packet one-way delay: 20.004 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.98 Mbit/s
95th percentile per-packet one-way delay: 23.849 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 33.84 Mbit/s
95th percentile per-packet one-way delay: 22.658 ms
Loss rate: 0.25%
```

Run 1: Report of Sprout — Data Link

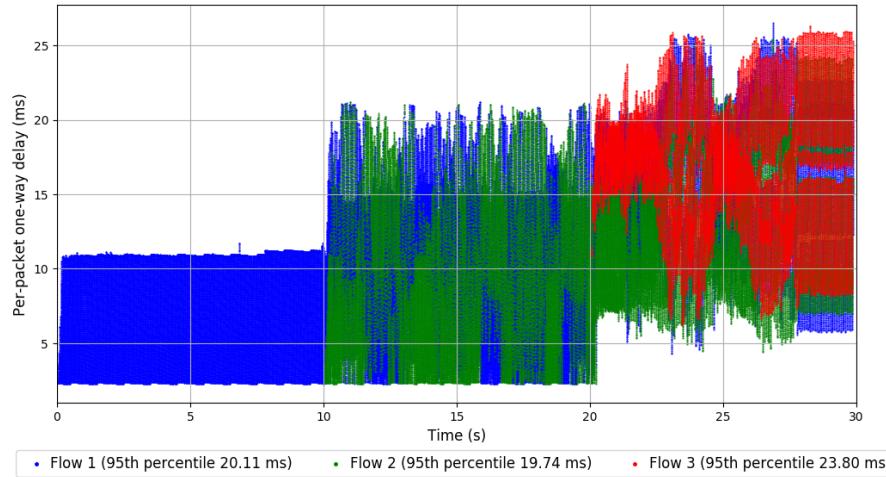
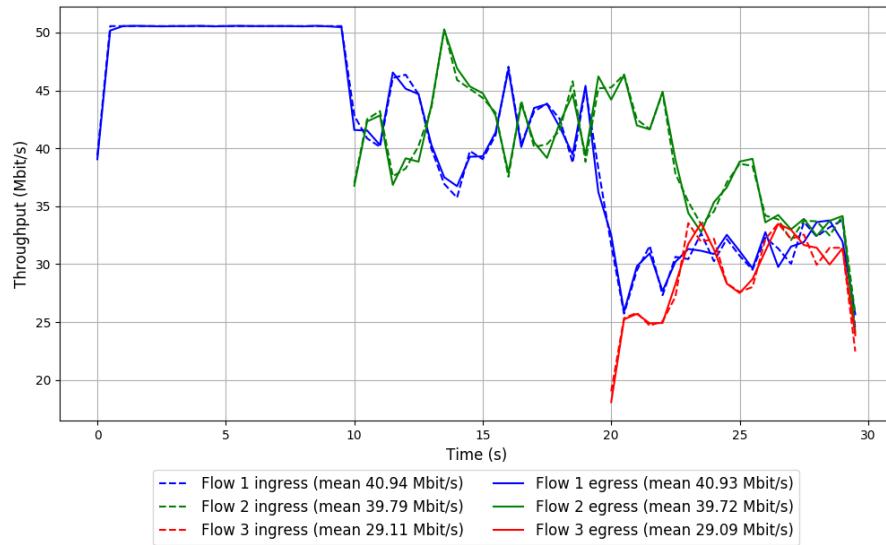


Run 2: Statistics of Sprout

```
Start at: 2018-03-13 14:36:03
End at: 2018-03-13 14:36:33
Local clock offset: -5.663 ms
Remote clock offset: -6.662 ms

# Below is generated by plot.py at 2018-03-13 21:00:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 20.871 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 40.93 Mbit/s
95th percentile per-packet one-way delay: 20.107 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 19.737 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 29.09 Mbit/s
95th percentile per-packet one-way delay: 23.803 ms
Loss rate: 0.06%
```

Run 2: Report of Sprout — Data Link

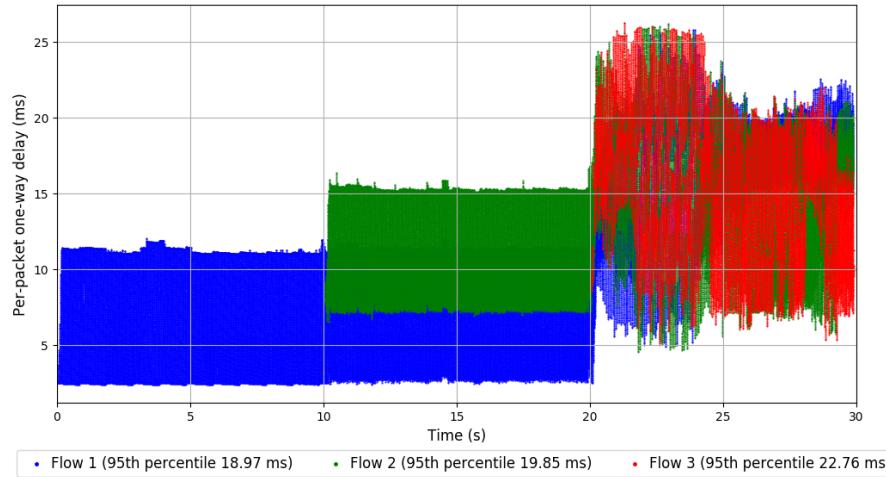
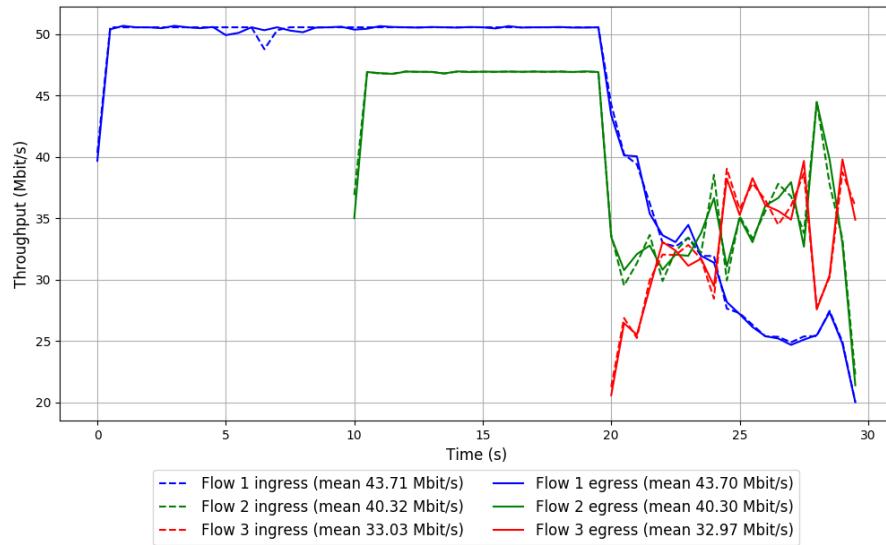


Run 3: Statistics of Sprout

```
Start at: 2018-03-13 14:56:27
End at: 2018-03-13 14:56:57
Local clock offset: -6.572 ms
Remote clock offset: -6.604 ms

# Below is generated by plot.py at 2018-03-13 21:00:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.35 Mbit/s
95th percentile per-packet one-way delay: 19.930 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 43.70 Mbit/s
95th percentile per-packet one-way delay: 18.973 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 40.30 Mbit/s
95th percentile per-packet one-way delay: 19.847 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 32.97 Mbit/s
95th percentile per-packet one-way delay: 22.763 ms
Loss rate: 0.17%
```

Run 3: Report of Sprout — Data Link

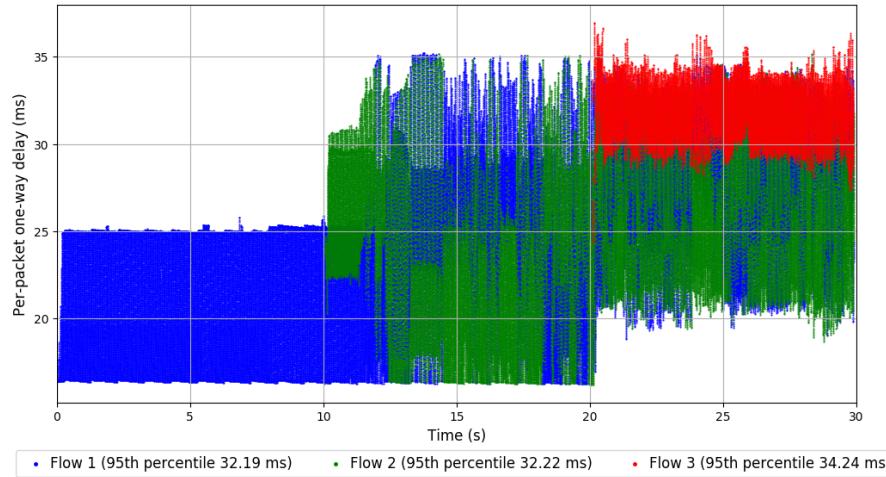
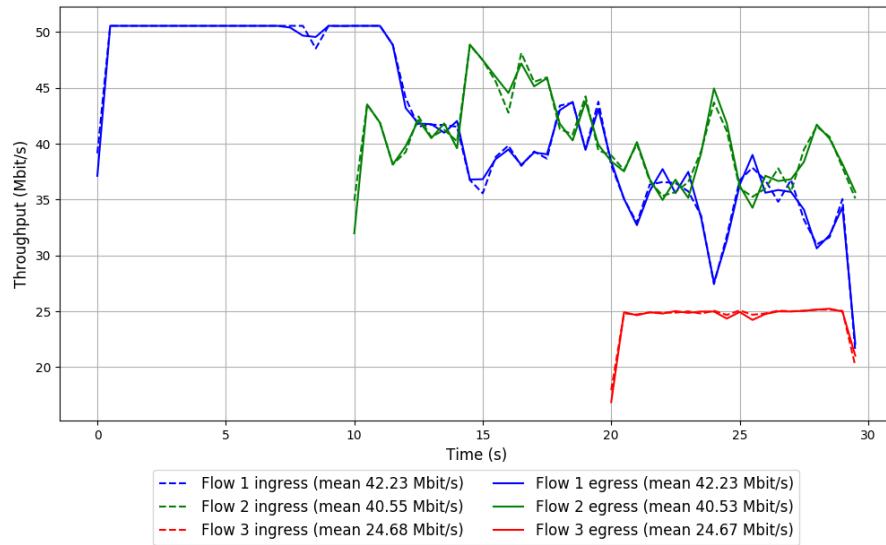


Run 4: Statistics of Sprout

```
Start at: 2018-03-13 15:16:53
End at: 2018-03-13 15:17:23
Local clock offset: -5.74 ms
Remote clock offset: -21.083 ms

# Below is generated by plot.py at 2018-03-13 21:00:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.29 Mbit/s
95th percentile per-packet one-way delay: 32.992 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 32.188 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.53 Mbit/s
95th percentile per-packet one-way delay: 32.223 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 34.239 ms
Loss rate: 0.23%
```

Run 4: Report of Sprout — Data Link

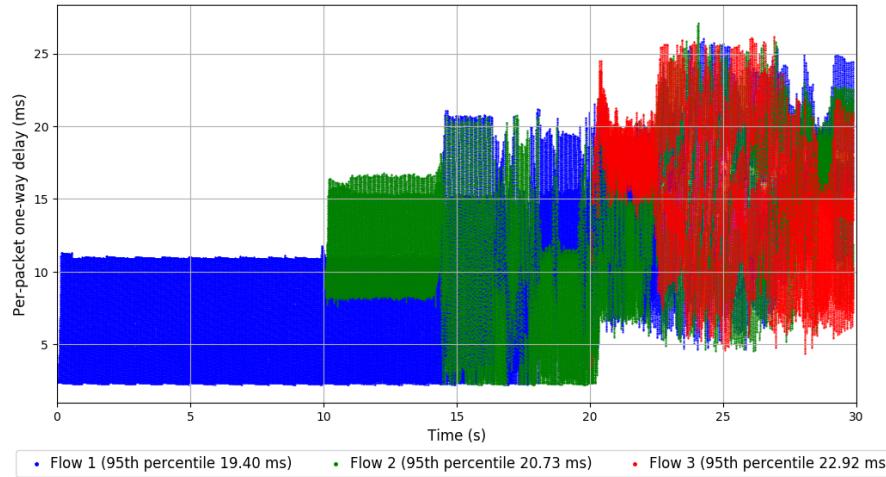
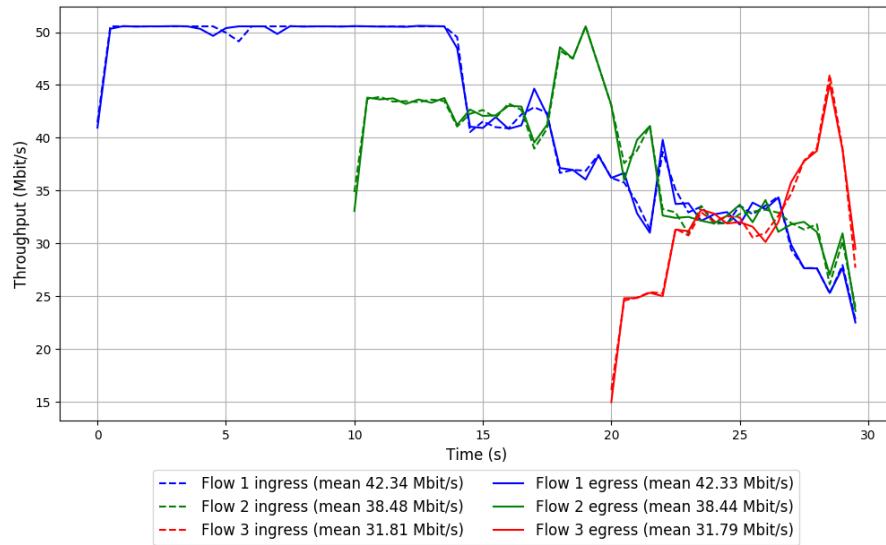


Run 5: Statistics of Sprout

```
Start at: 2018-03-13 15:37:18
End at: 2018-03-13 15:37:48
Local clock offset: -0.58 ms
Remote clock offset: -6.77 ms

# Below is generated by plot.py at 2018-03-13 21:00:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.37 Mbit/s
95th percentile per-packet one-way delay: 20.688 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 42.33 Mbit/s
95th percentile per-packet one-way delay: 19.401 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: 20.734 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 22.924 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

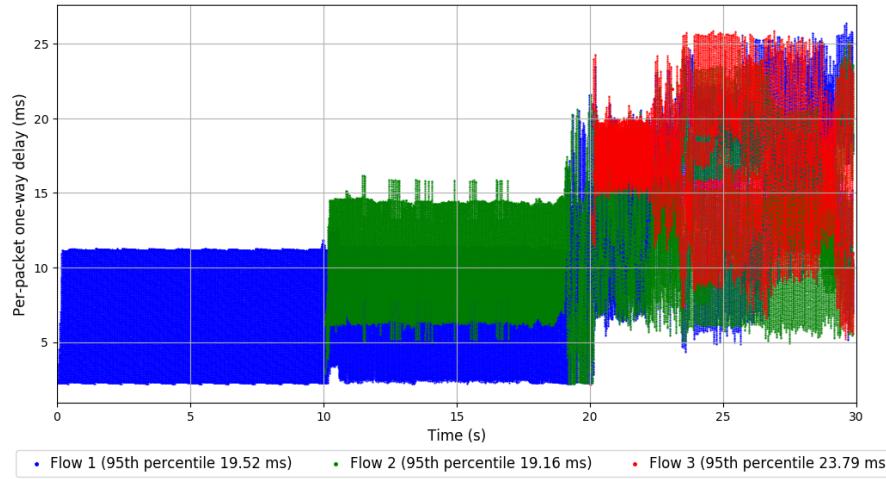
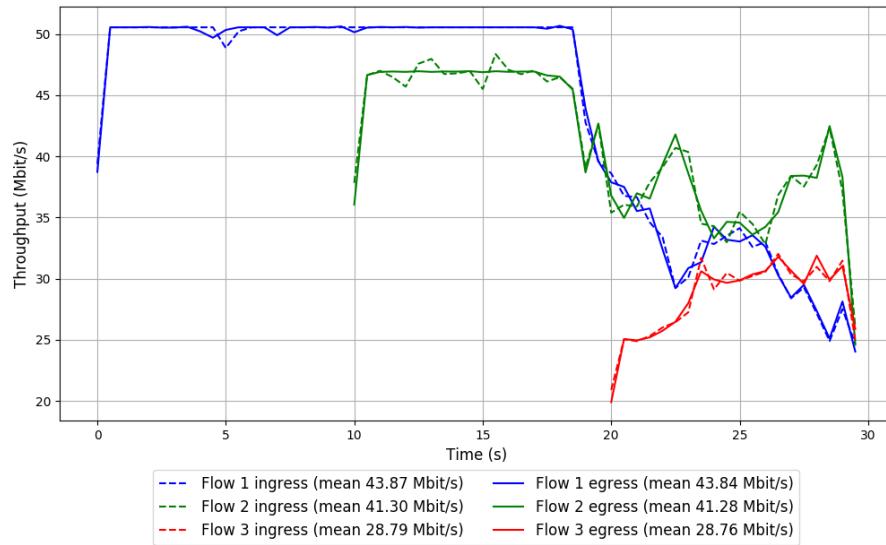


Run 6: Statistics of Sprout

```
Start at: 2018-03-13 15:57:42
End at: 2018-03-13 15:58:12
Local clock offset: 1.513 ms
Remote clock offset: -6.835 ms

# Below is generated by plot.py at 2018-03-13 21:01:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: 20.682 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 43.84 Mbit/s
95th percentile per-packet one-way delay: 19.524 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 41.28 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 28.76 Mbit/s
95th percentile per-packet one-way delay: 23.793 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

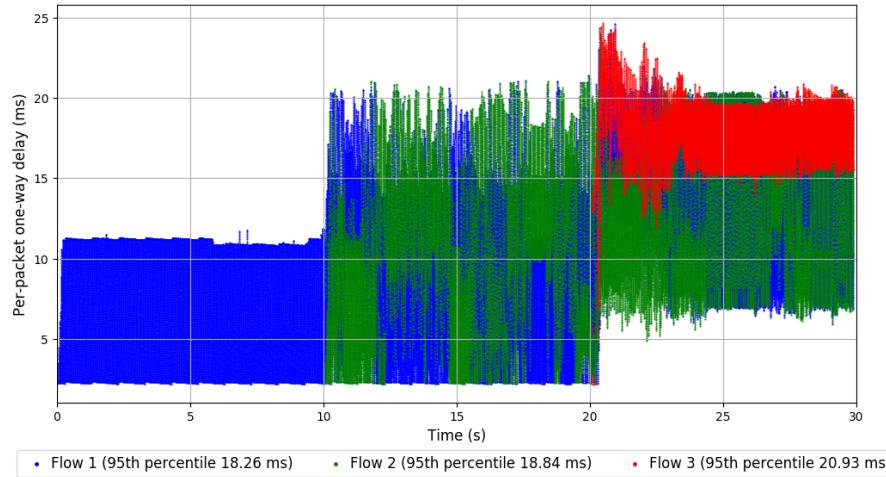
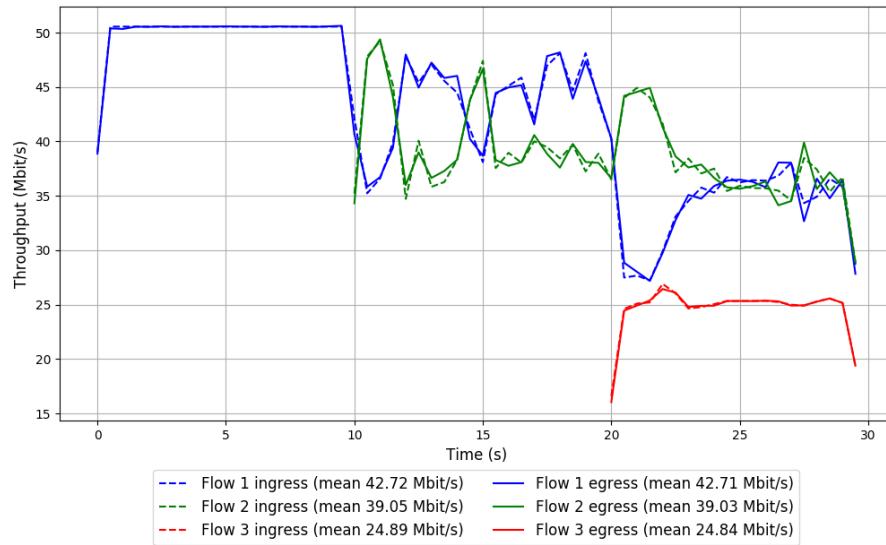


Run 7: Statistics of Sprout

```
Start at: 2018-03-13 16:18:09
End at: 2018-03-13 16:18:39
Local clock offset: 3.444 ms
Remote clock offset: -6.51 ms

# Below is generated by plot.py at 2018-03-13 21:01:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.85 Mbit/s
95th percentile per-packet one-way delay: 19.161 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 42.71 Mbit/s
95th percentile per-packet one-way delay: 18.262 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.03 Mbit/s
95th percentile per-packet one-way delay: 18.840 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 20.927 ms
Loss rate: 0.20%
```

Run 7: Report of Sprout — Data Link

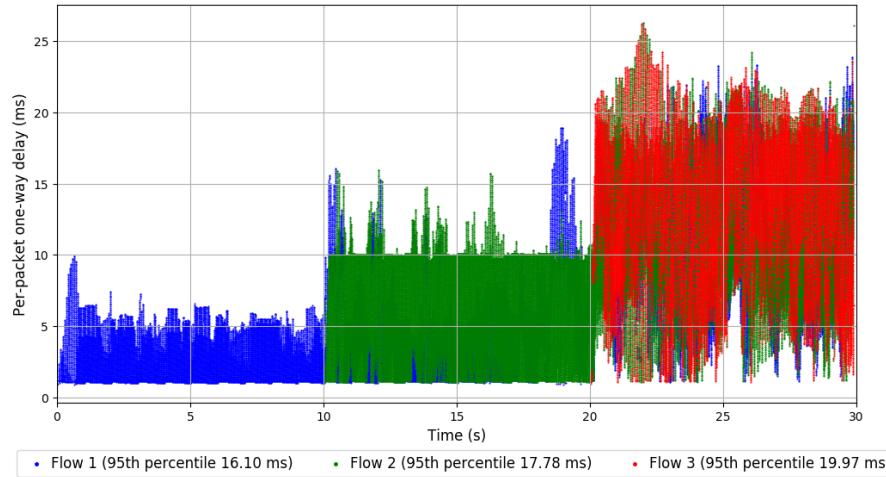
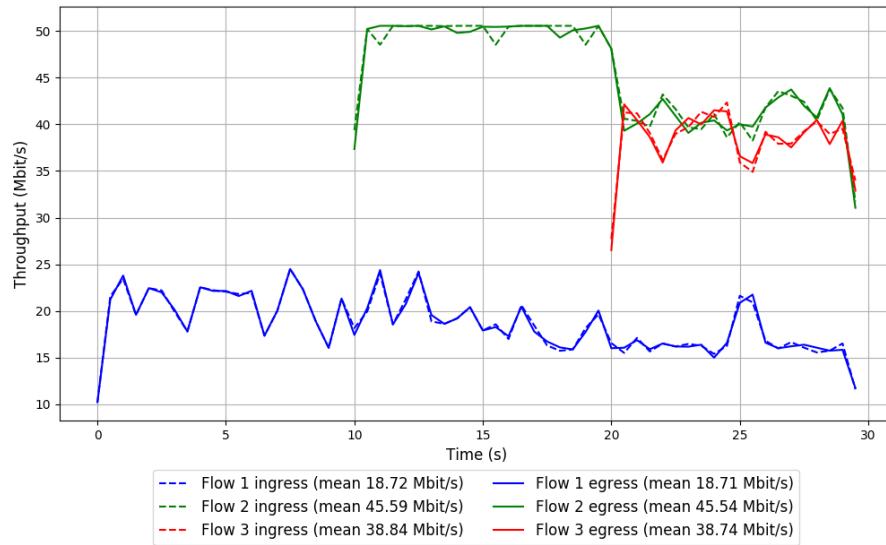


Run 8: Statistics of Sprout

```
Start at: 2018-03-13 16:38:30
End at: 2018-03-13 16:39:00
Local clock offset: -5.429 ms
Remote clock offset: -6.439 ms

# Below is generated by plot.py at 2018-03-13 21:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.80 Mbit/s
95th percentile per-packet one-way delay: 18.388 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 18.71 Mbit/s
95th percentile per-packet one-way delay: 16.103 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 45.54 Mbit/s
95th percentile per-packet one-way delay: 17.783 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 19.966 ms
Loss rate: 0.22%
```

Run 8: Report of Sprout — Data Link

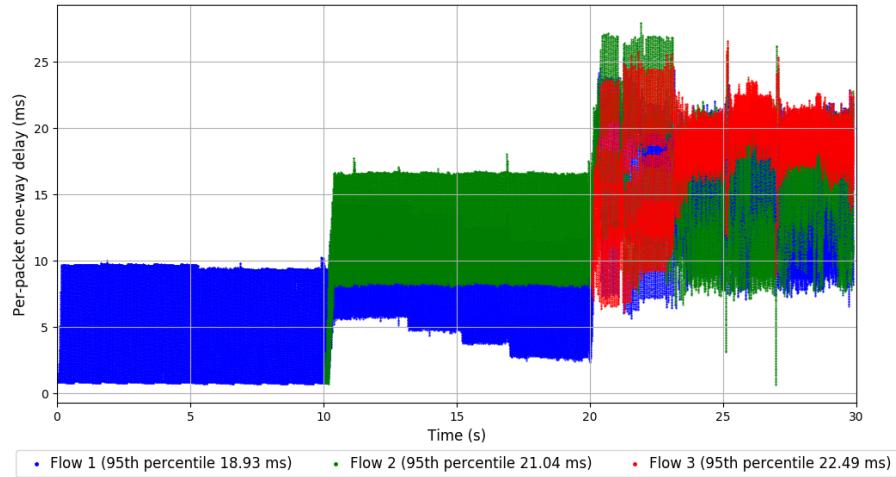
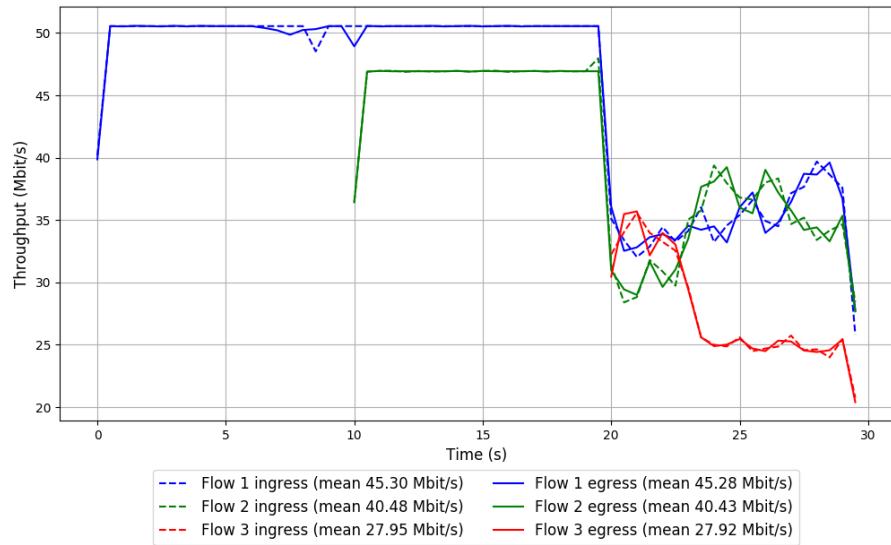


Run 9: Statistics of Sprout

```
Start at: 2018-03-13 16:58:50
End at: 2018-03-13 16:59:20
Local clock offset: -7.285 ms
Remote clock offset: -6.391 ms

# Below is generated by plot.py at 2018-03-13 21:01:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.37 Mbit/s
95th percentile per-packet one-way delay: 20.733 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 45.28 Mbit/s
95th percentile per-packet one-way delay: 18.927 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 21.043 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 27.92 Mbit/s
95th percentile per-packet one-way delay: 22.488 ms
Loss rate: 0.21%
```

Run 9: Report of Sprout — Data Link

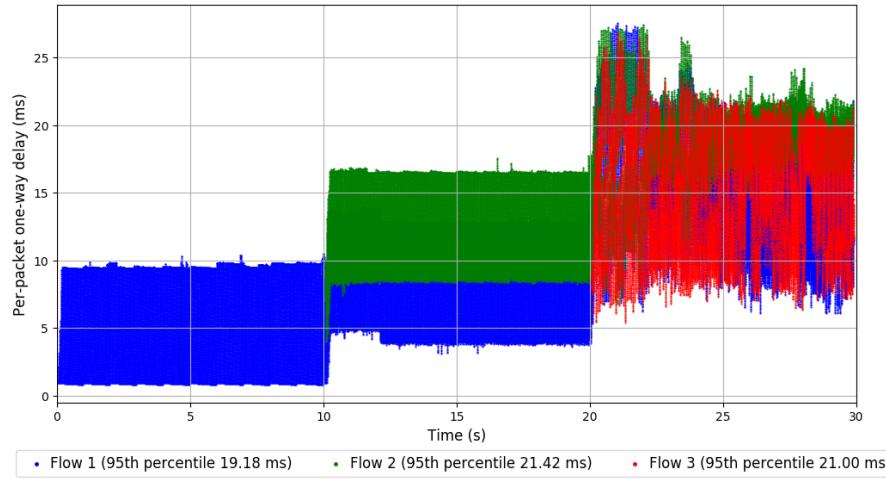
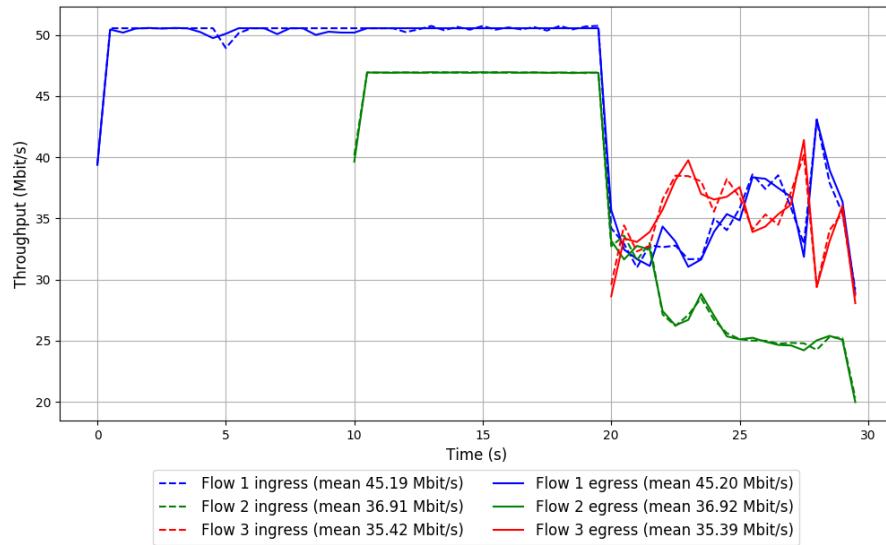


Run 10: Statistics of Sprout

```
Start at: 2018-03-13 17:19:09
End at: 2018-03-13 17:19:39
Local clock offset: -3.864 ms
Remote clock offset: -6.836 ms

# Below is generated by plot.py at 2018-03-13 21:01:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.40 Mbit/s
95th percentile per-packet one-way delay: 20.623 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 45.20 Mbit/s
95th percentile per-packet one-way delay: 19.185 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 36.92 Mbit/s
95th percentile per-packet one-way delay: 21.422 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 35.39 Mbit/s
95th percentile per-packet one-way delay: 21.004 ms
Loss rate: 0.24%
```

Run 10: Report of Sprout — Data Link

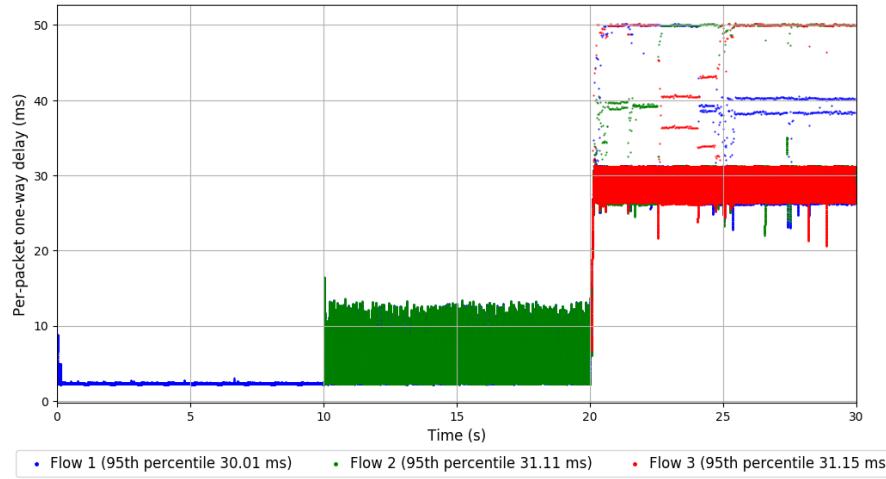
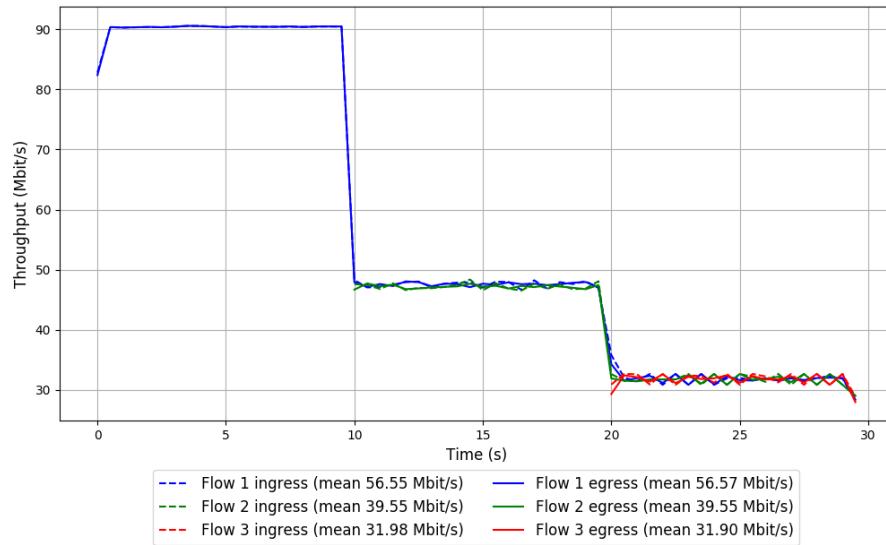


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-03-13 14:18:58
End at: 2018-03-13 14:19:28
Local clock offset: -5.93 ms
Remote clock offset: -6.859 ms

# Below is generated by plot.py at 2018-03-13 21:03:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 31.063 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 30.010 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 31.105 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 31.153 ms
Loss rate: 0.43%
```

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

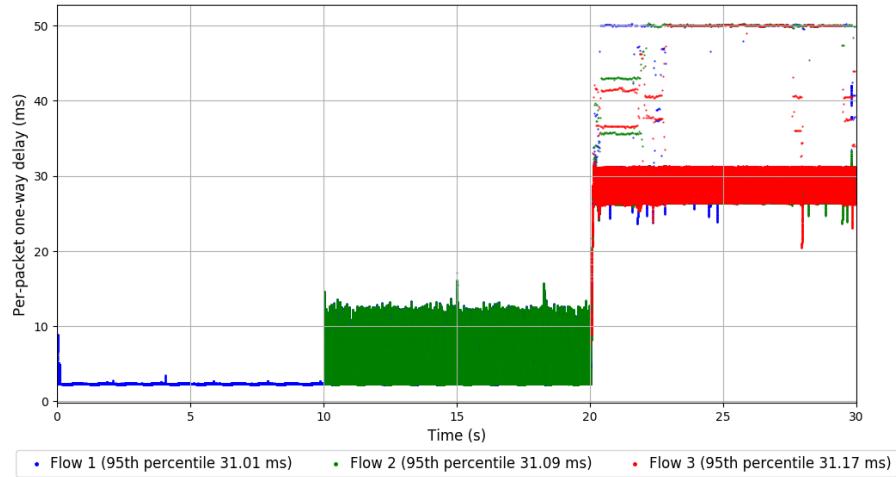
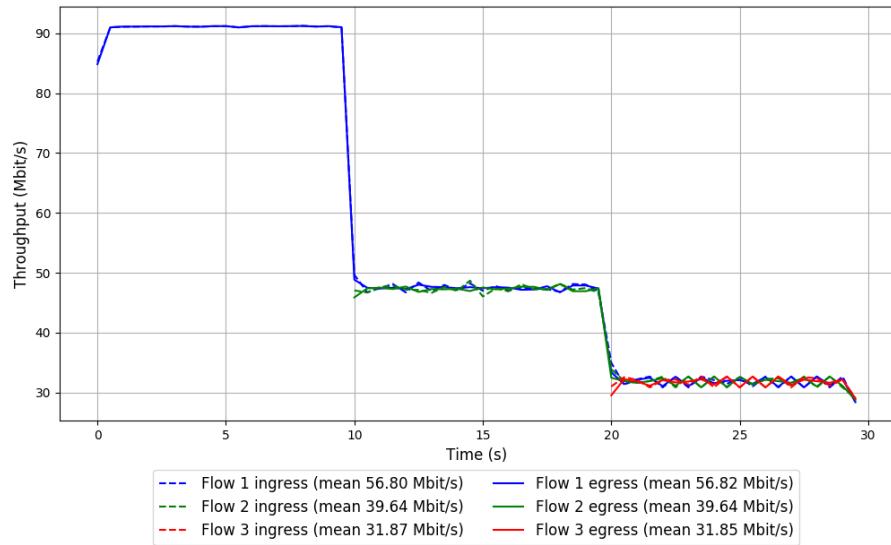


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-03-13 14:39:25
End at: 2018-03-13 14:39:55
Local clock offset: -5.631 ms
Remote clock offset: -6.616 ms

# Below is generated by plot.py at 2018-03-13 21:03:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 31.082 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 31.011 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 31.087 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 31.170 ms
Loss rate: 0.30%
```

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

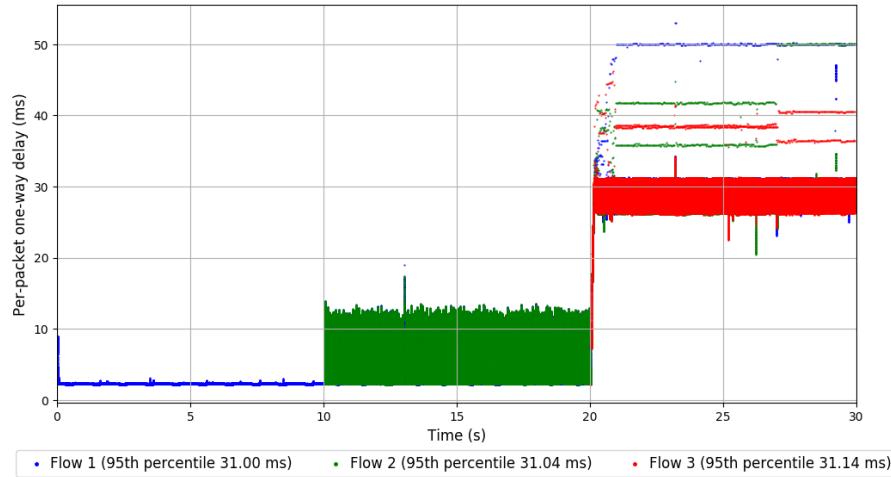
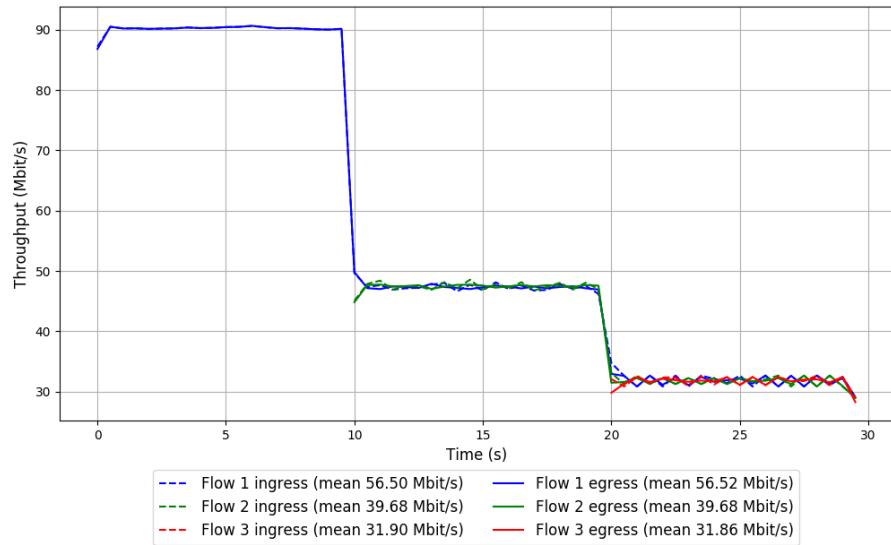


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-03-13 14:59:49
End at: 2018-03-13 15:00:19
Local clock offset: -6.854 ms
Remote clock offset: -6.666 ms

# Below is generated by plot.py at 2018-03-13 21:03:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 31.054 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 31.004 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: 31.039 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 31.137 ms
Loss rate: 0.41%
```

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

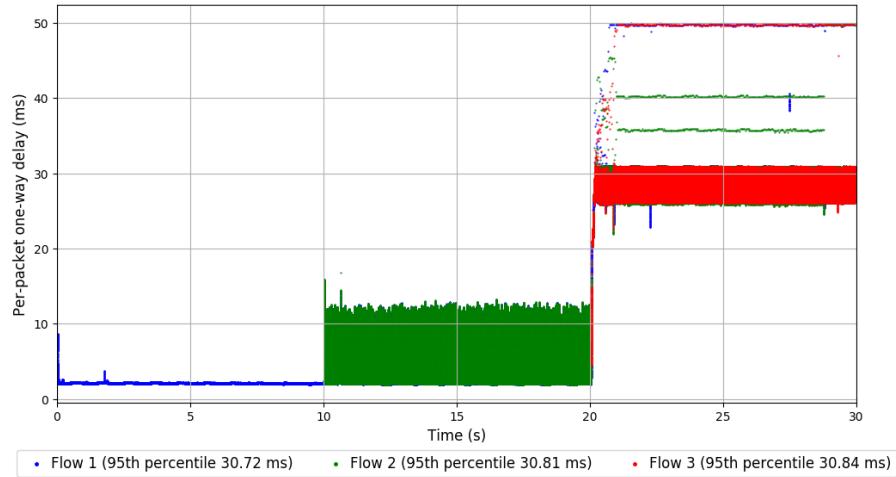
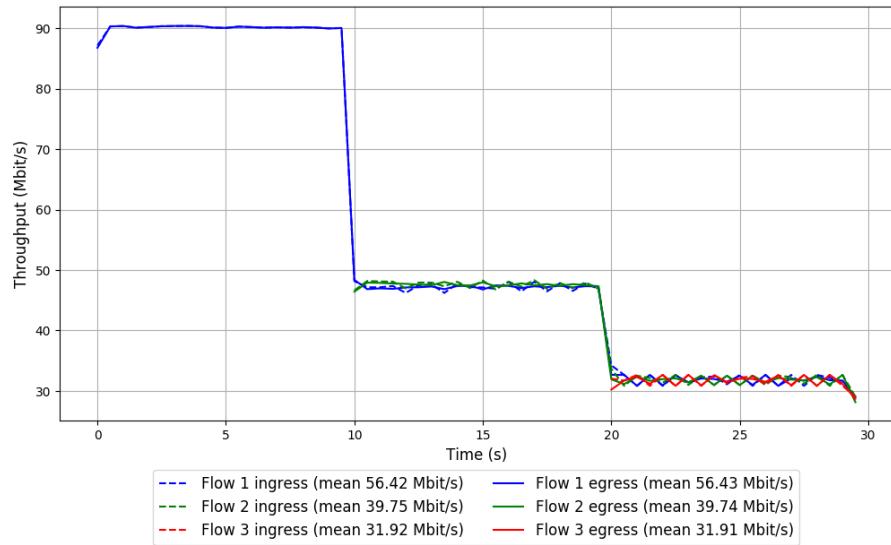


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-03-13 15:20:15
End at: 2018-03-13 15:20:45
Local clock offset: -4.271 ms
Remote clock offset: -6.7 ms

# Below is generated by plot.py at 2018-03-13 21:03:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 30.787 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 30.717 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 30.807 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 30.845 ms
Loss rate: 0.29%
```

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

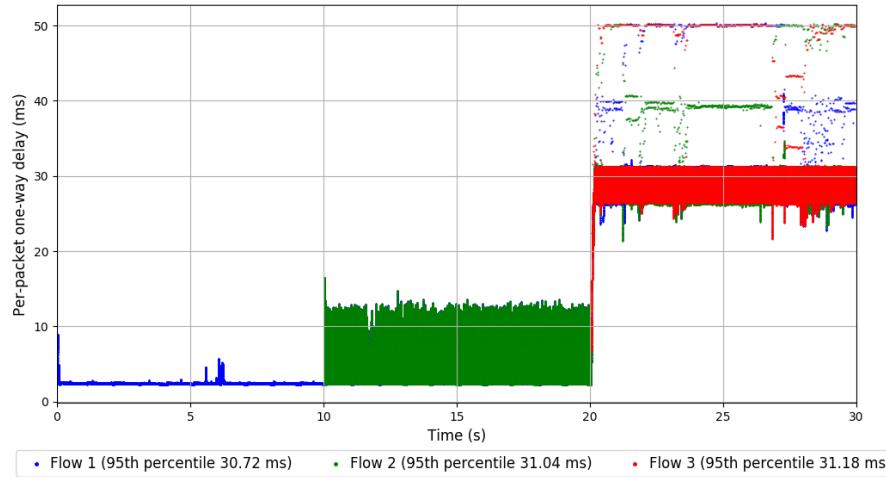
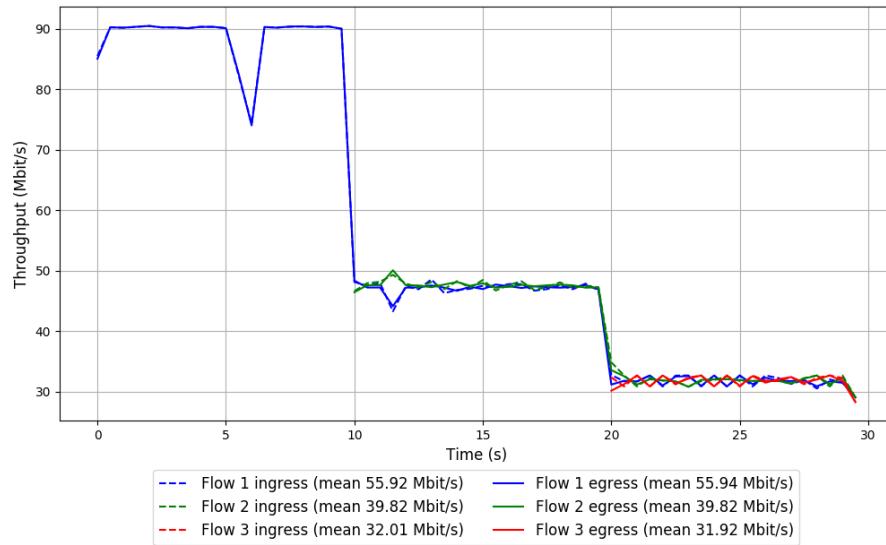


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-03-13 15:40:40
End at: 2018-03-13 15:41:10
Local clock offset: -0.187 ms
Remote clock offset: -6.845 ms

# Below is generated by plot.py at 2018-03-13 21:03:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 31.089 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 55.94 Mbit/s
95th percentile per-packet one-way delay: 30.718 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 31.043 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 31.182 ms
Loss rate: 0.37%
```

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

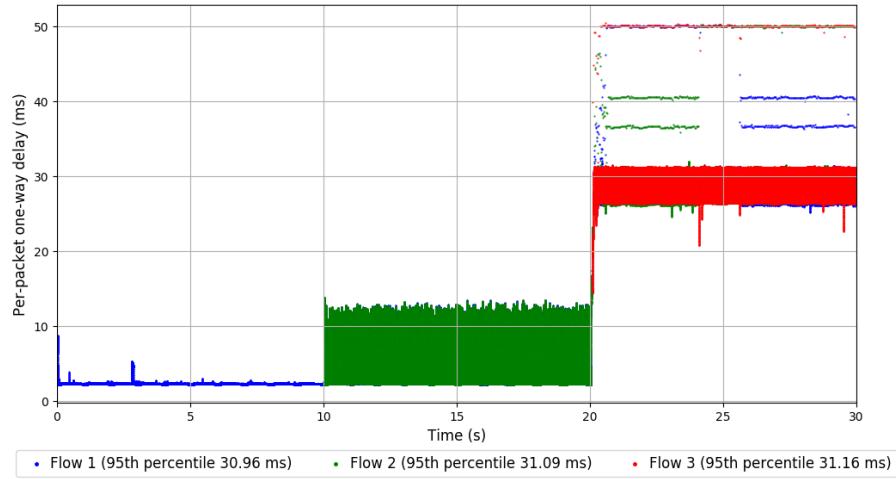
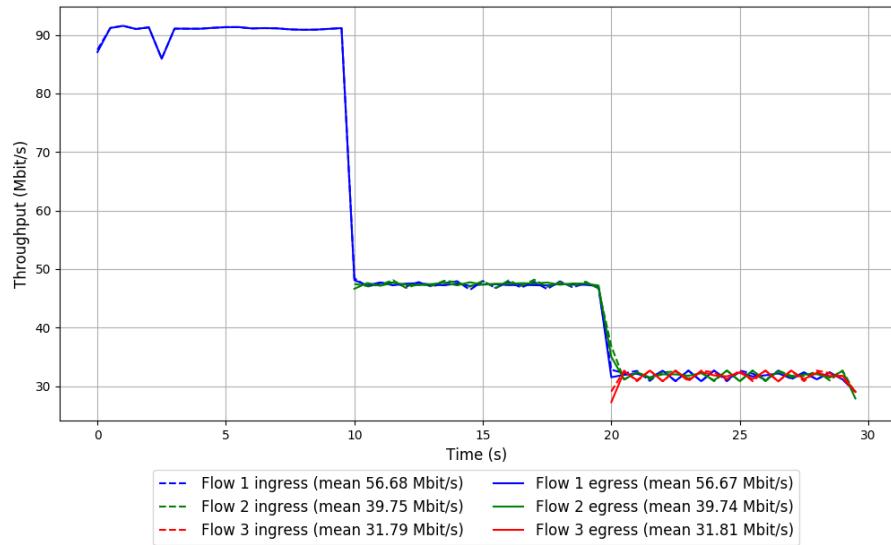


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-03-13 16:01:05
End at: 2018-03-13 16:01:35
Local clock offset: 1.874 ms
Remote clock offset: -6.829 ms

# Below is generated by plot.py at 2018-03-13 21:03:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 31.080 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.67 Mbit/s
95th percentile per-packet one-way delay: 30.963 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 31.091 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 31.158 ms
Loss rate: 0.29%
```

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

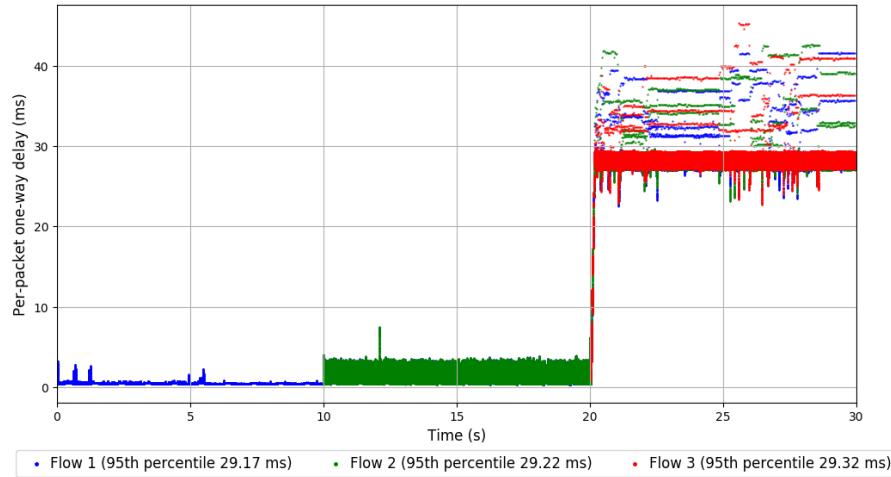
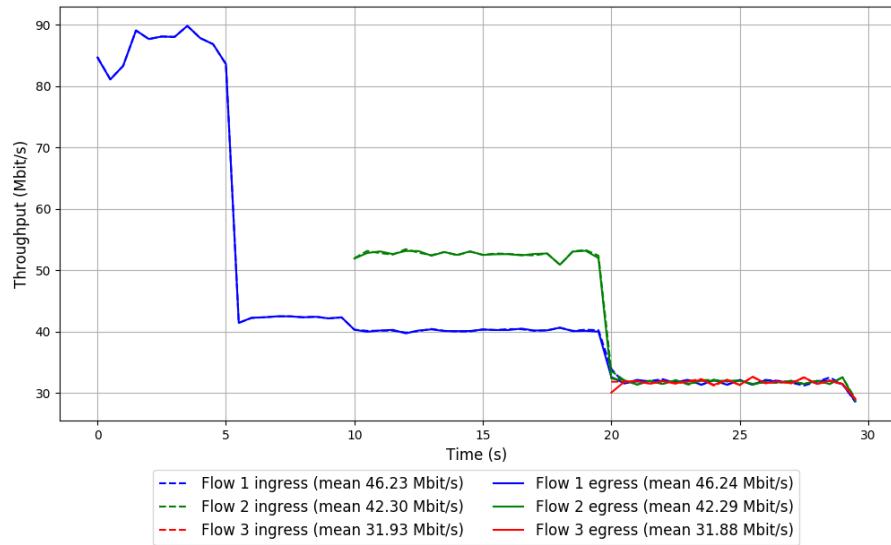


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-03-13 16:21:31
End at: 2018-03-13 16:22:01
Local clock offset: 3.35 ms
Remote clock offset: -6.489 ms

# Below is generated by plot.py at 2018-03-13 21:04:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.93 Mbit/s
95th percentile per-packet one-way delay: 29.228 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 46.24 Mbit/s
95th percentile per-packet one-way delay: 29.173 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.29 Mbit/s
95th percentile per-packet one-way delay: 29.219 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.88 Mbit/s
95th percentile per-packet one-way delay: 29.321 ms
Loss rate: 0.29%
```

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

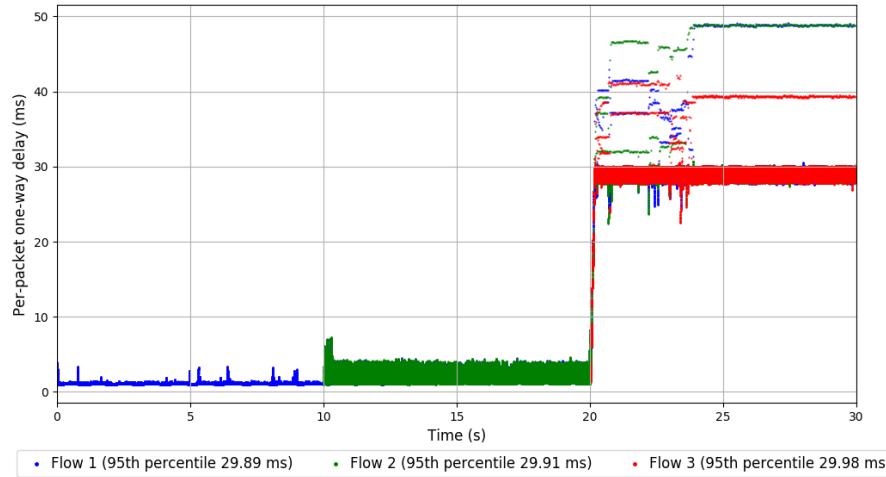
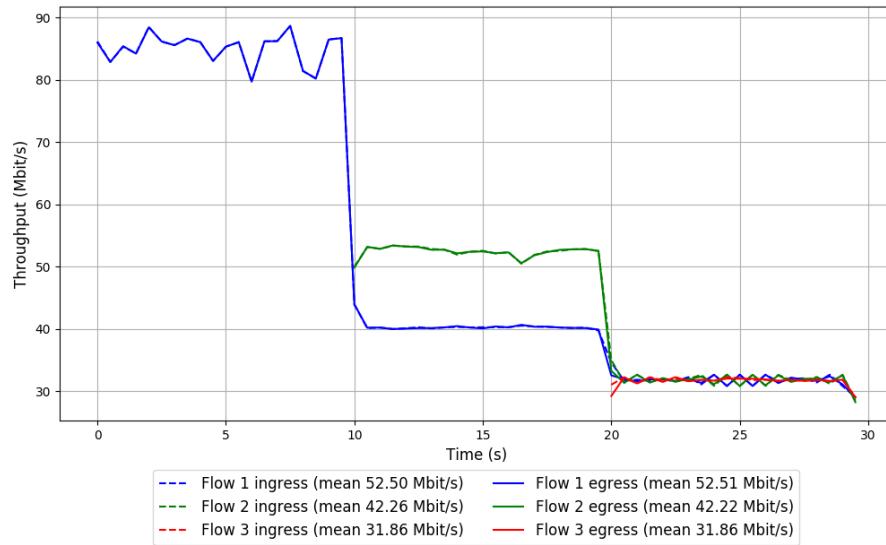


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-03-13 16:41:50
End at: 2018-03-13 16:42:20
Local clock offset: -6.285 ms
Remote clock offset: -6.478 ms

# Below is generated by plot.py at 2018-03-13 21:04:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 29.920 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 52.51 Mbit/s
95th percentile per-packet one-way delay: 29.893 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 42.22 Mbit/s
95th percentile per-packet one-way delay: 29.912 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 29.984 ms
Loss rate: 0.29%
```

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

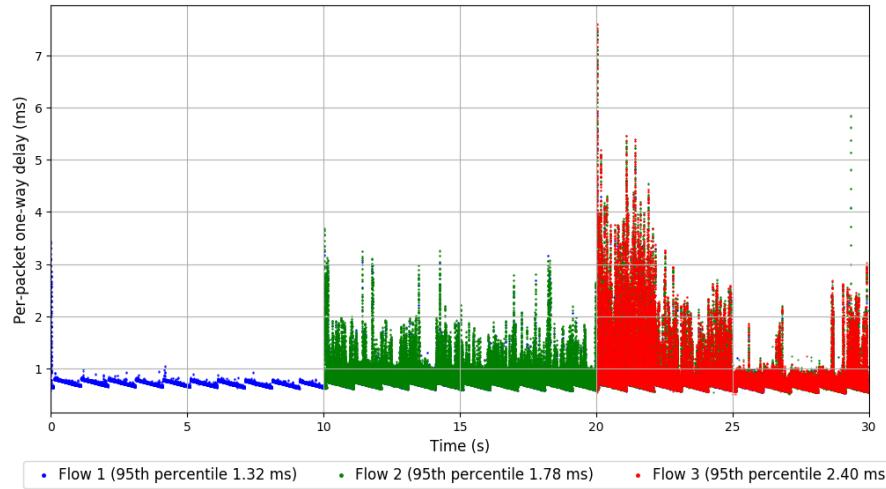
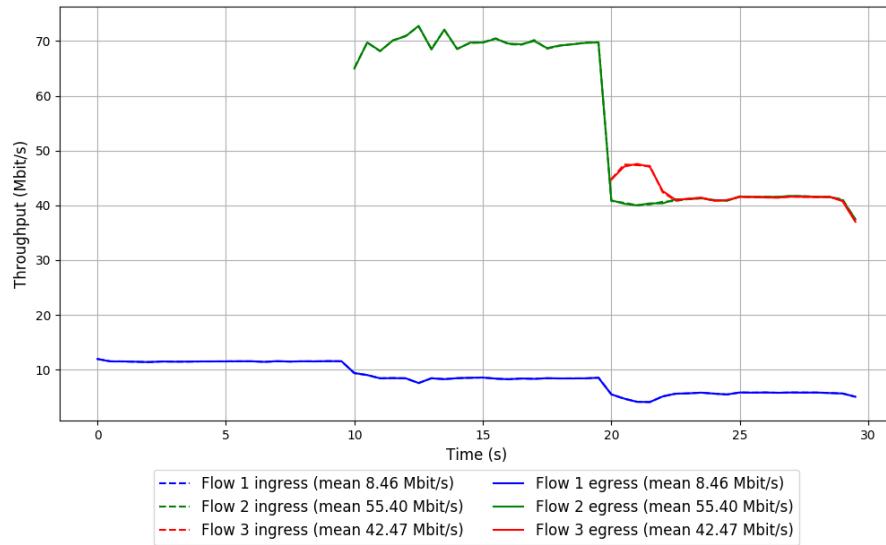


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-03-13 17:02:11
End at: 2018-03-13 17:02:41
Local clock offset: -6.069 ms
Remote clock offset: -6.337 ms

# Below is generated by plot.py at 2018-03-13 21:05:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 1.921 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 8.46 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 55.40 Mbit/s
95th percentile per-packet one-way delay: 1.779 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 42.47 Mbit/s
95th percentile per-packet one-way delay: 2.398 ms
Loss rate: 0.04%
```

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

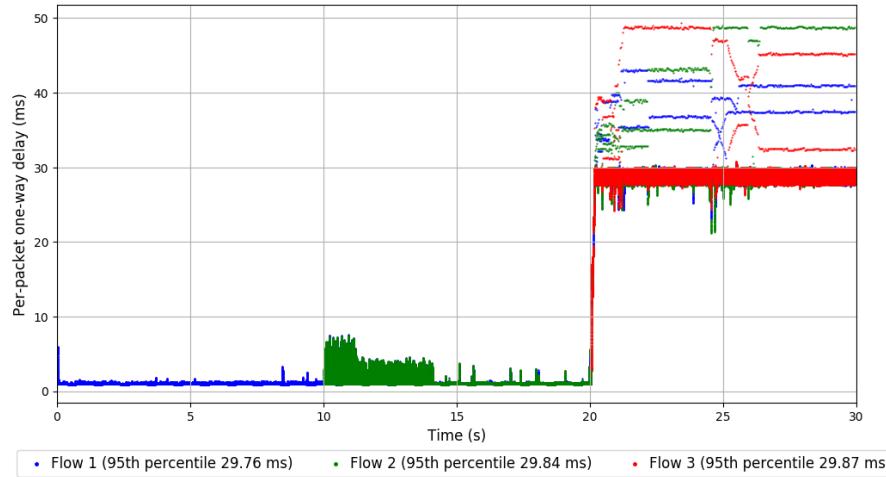
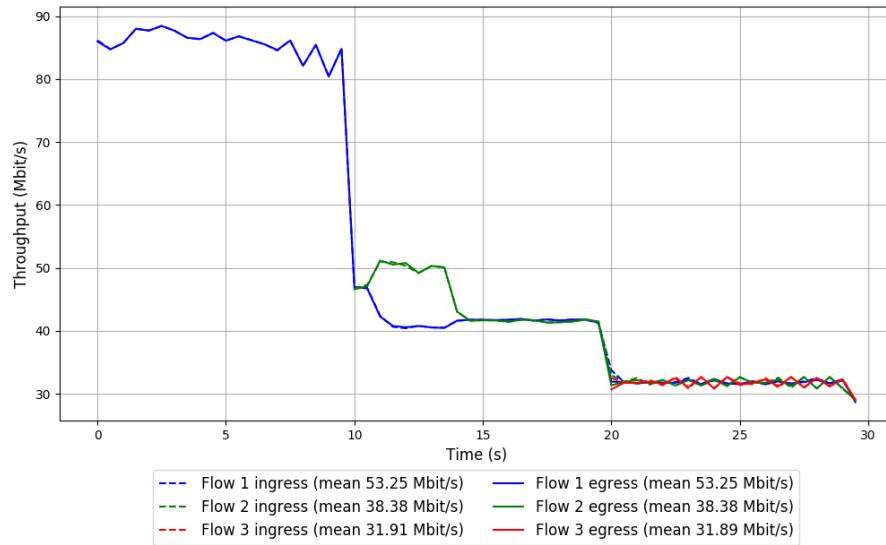


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-03-13 17:22:29
End at: 2018-03-13 17:22:59
Local clock offset: -3.665 ms
Remote clock offset: -6.907 ms

# Below is generated by plot.py at 2018-03-13 21:05:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 29.821 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 53.25 Mbit/s
95th percentile per-packet one-way delay: 29.759 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.38 Mbit/s
95th percentile per-packet one-way delay: 29.838 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 29.870 ms
Loss rate: 0.29%
```

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

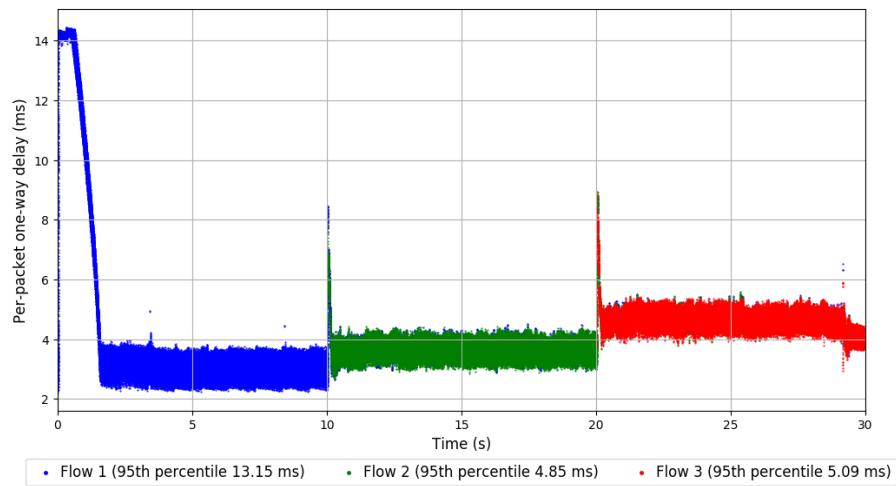
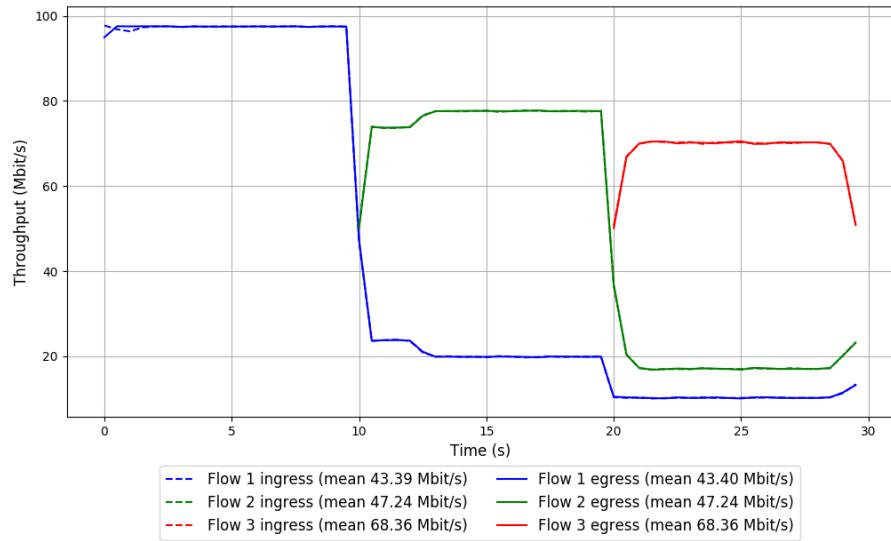


Run 1: Statistics of TCP Vegas

```
Start at: 2018-03-13 14:05:22
End at: 2018-03-13 14:05:52
Local clock offset: -6.422 ms
Remote clock offset: -6.791 ms

# Below is generated by plot.py at 2018-03-13 21:05:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 5.985 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 43.40 Mbit/s
95th percentile per-packet one-way delay: 13.149 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 4.849 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 68.36 Mbit/s
95th percentile per-packet one-way delay: 5.091 ms
Loss rate: 0.05%
```

Run 1: Report of TCP Vegas — Data Link

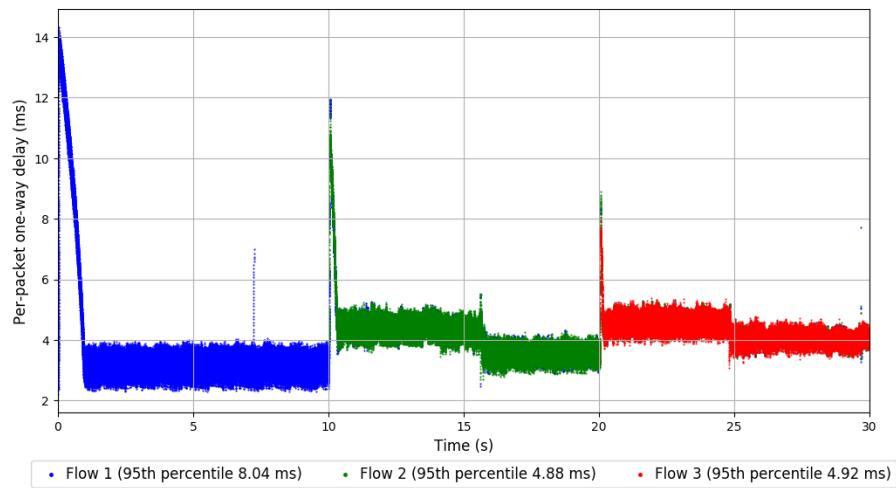
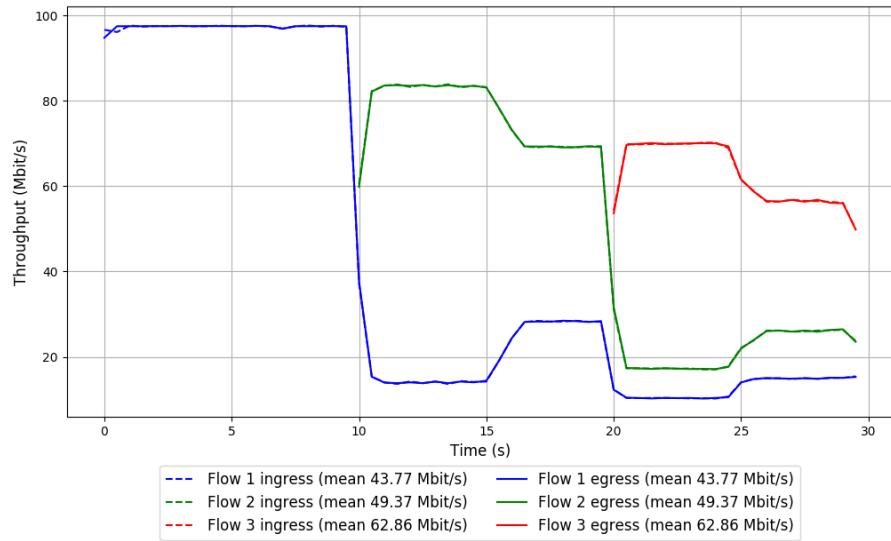


Run 2: Statistics of TCP Vegas

```
Start at: 2018-03-13 14:25:51
End at: 2018-03-13 14:26:21
Local clock offset: -5.791 ms
Remote clock offset: -6.797 ms

# Below is generated by plot.py at 2018-03-13 21:05:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 4.979 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 43.77 Mbit/s
95th percentile per-packet one-way delay: 8.038 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 49.37 Mbit/s
95th percentile per-packet one-way delay: 4.875 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 62.86 Mbit/s
95th percentile per-packet one-way delay: 4.924 ms
Loss rate: 0.05%
```

Run 2: Report of TCP Vegas — Data Link

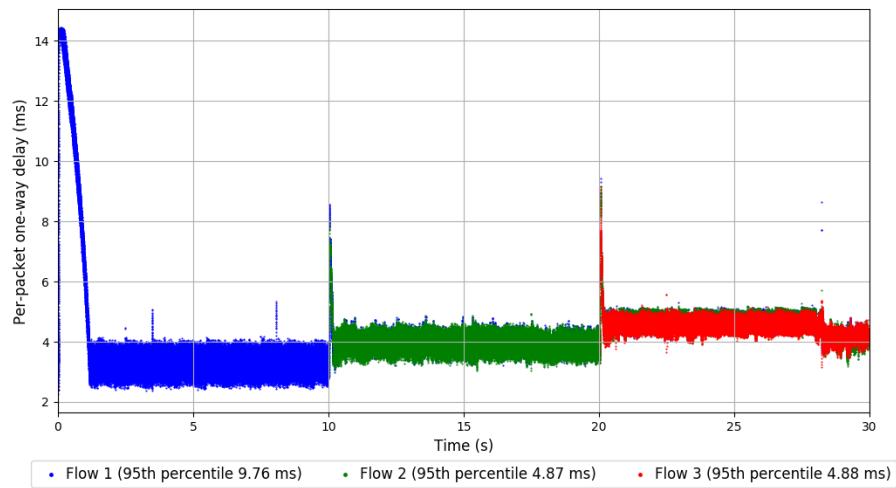
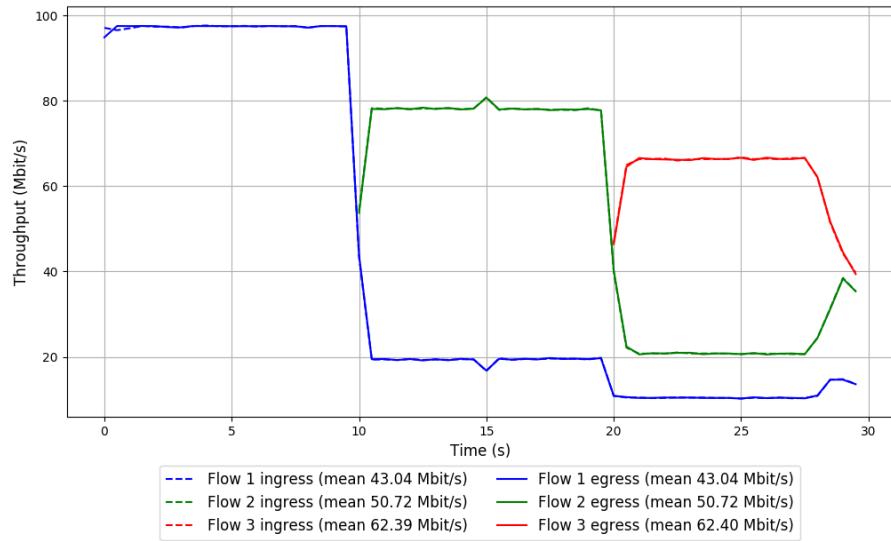


Run 3: Statistics of TCP Vegas

```
Start at: 2018-03-13 14:46:16
End at: 2018-03-13 14:46:46
Local clock offset: -6.217 ms
Remote clock offset: -6.657 ms

# Below is generated by plot.py at 2018-03-13 21:05:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 4.985 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 43.04 Mbit/s
95th percentile per-packet one-way delay: 9.756 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 50.72 Mbit/s
95th percentile per-packet one-way delay: 4.866 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 62.40 Mbit/s
95th percentile per-packet one-way delay: 4.881 ms
Loss rate: 0.04%
```

Run 3: Report of TCP Vegas — Data Link

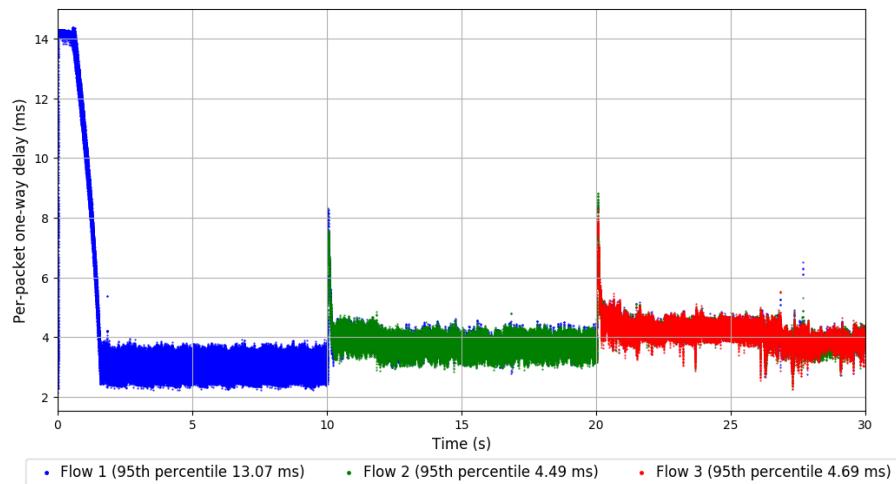
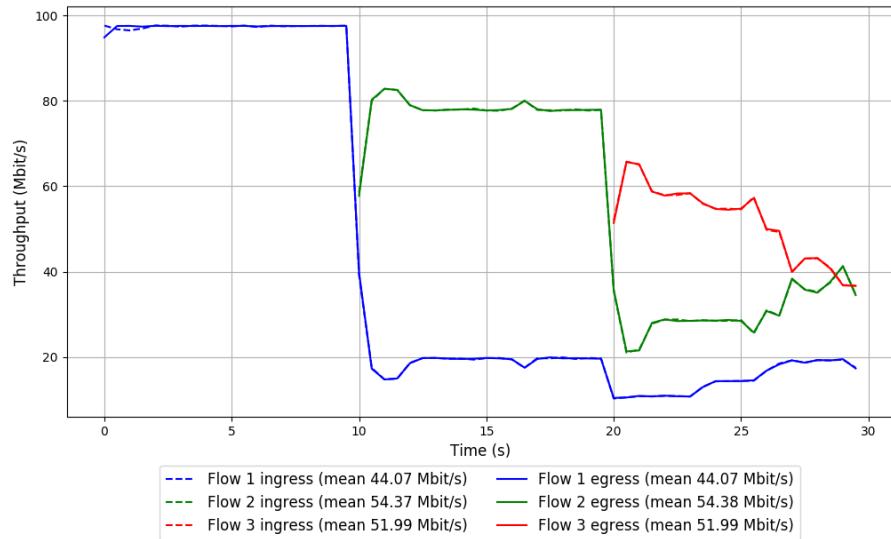


Run 4: Statistics of TCP Vegas

```
Start at: 2018-03-13 15:06:41
End at: 2018-03-13 15:07:11
Local clock offset: -6.962 ms
Remote clock offset: -6.708 ms

# Below is generated by plot.py at 2018-03-13 21:05:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 6.041 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 44.07 Mbit/s
95th percentile per-packet one-way delay: 13.073 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 54.38 Mbit/s
95th percentile per-packet one-way delay: 4.491 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 51.99 Mbit/s
95th percentile per-packet one-way delay: 4.693 ms
Loss rate: 0.04%
```

Run 4: Report of TCP Vegas — Data Link

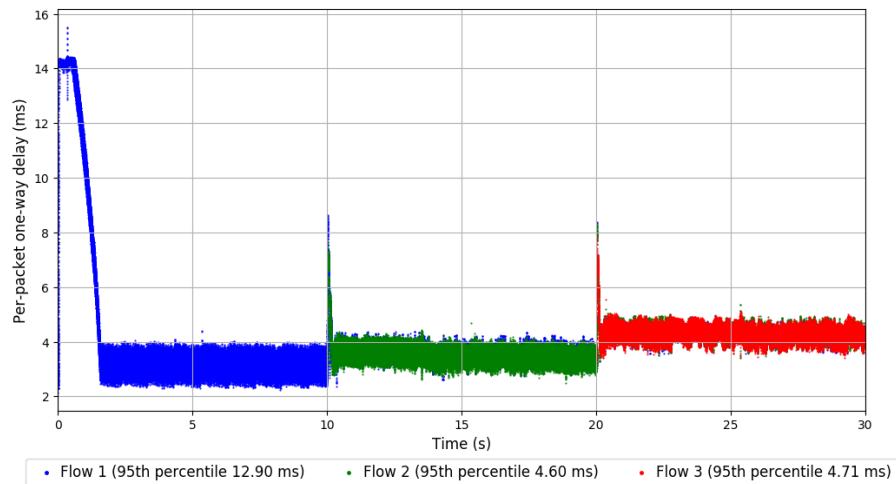
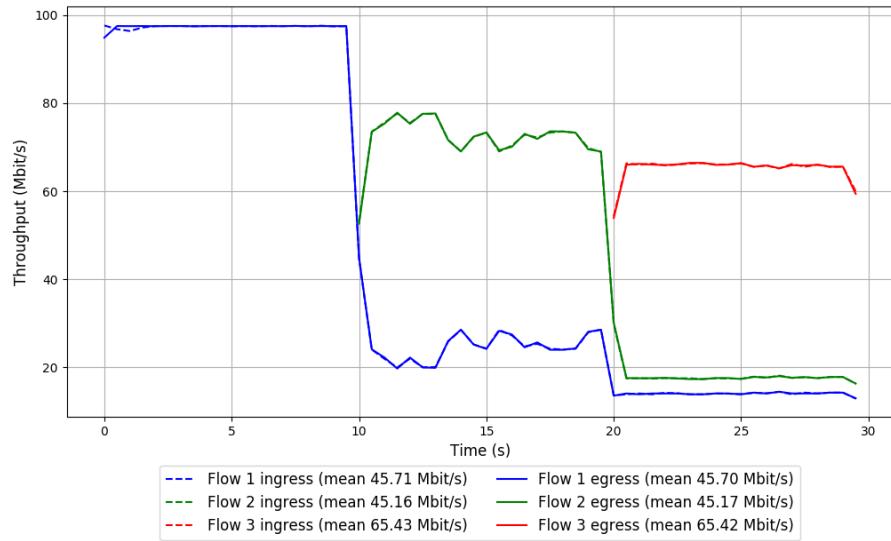


Run 5: Statistics of TCP Vegas

```
Start at: 2018-03-13 15:27:06
End at: 2018-03-13 15:27:36
Local clock offset: -2.29 ms
Remote clock offset: -6.78 ms

# Below is generated by plot.py at 2018-03-13 21:05:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 5.852 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 45.70 Mbit/s
95th percentile per-packet one-way delay: 12.900 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 45.17 Mbit/s
95th percentile per-packet one-way delay: 4.602 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 65.42 Mbit/s
95th percentile per-packet one-way delay: 4.705 ms
Loss rate: 0.07%
```

Run 5: Report of TCP Vegas — Data Link

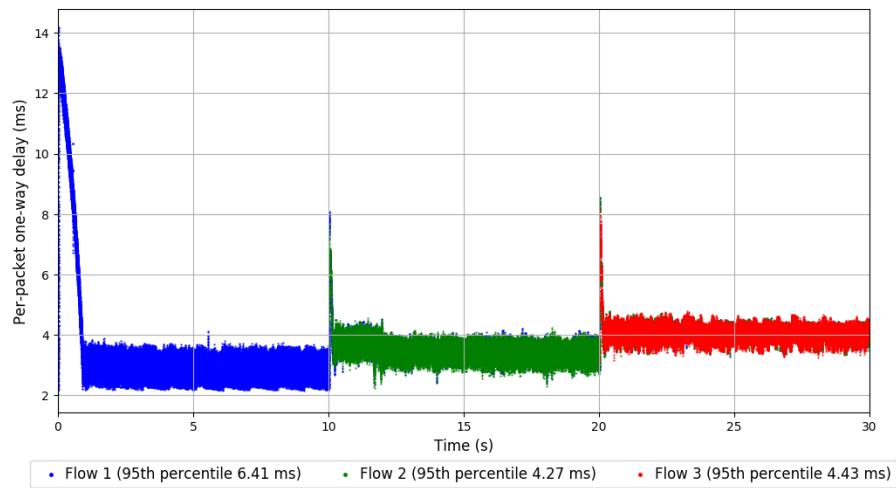
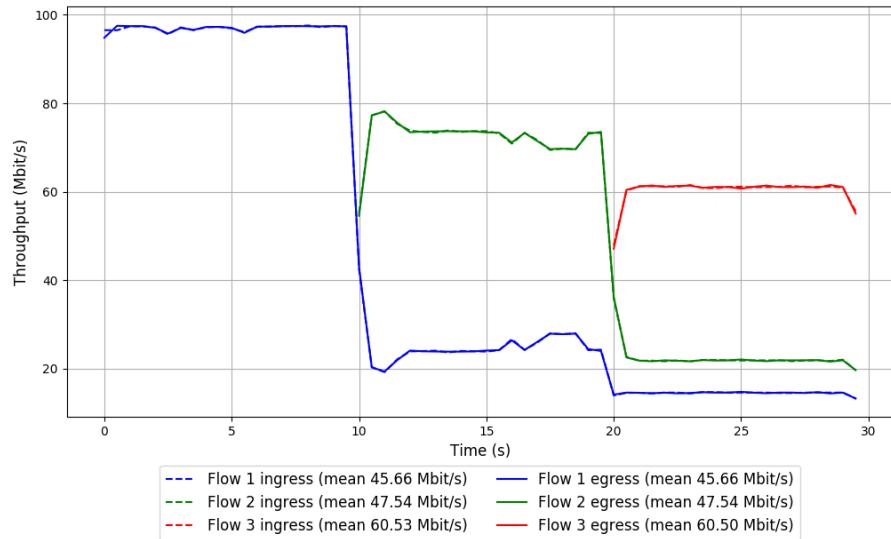


Run 6: Statistics of TCP Vegas

```
Start at: 2018-03-13 15:47:31
End at: 2018-03-13 15:48:01
Local clock offset: 0.488 ms
Remote clock offset: -6.81 ms

# Below is generated by plot.py at 2018-03-13 21:06:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 4.419 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 45.66 Mbit/s
95th percentile per-packet one-way delay: 6.407 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 47.54 Mbit/s
95th percentile per-packet one-way delay: 4.270 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 60.50 Mbit/s
95th percentile per-packet one-way delay: 4.429 ms
Loss rate: 0.07%
```

Run 6: Report of TCP Vegas — Data Link

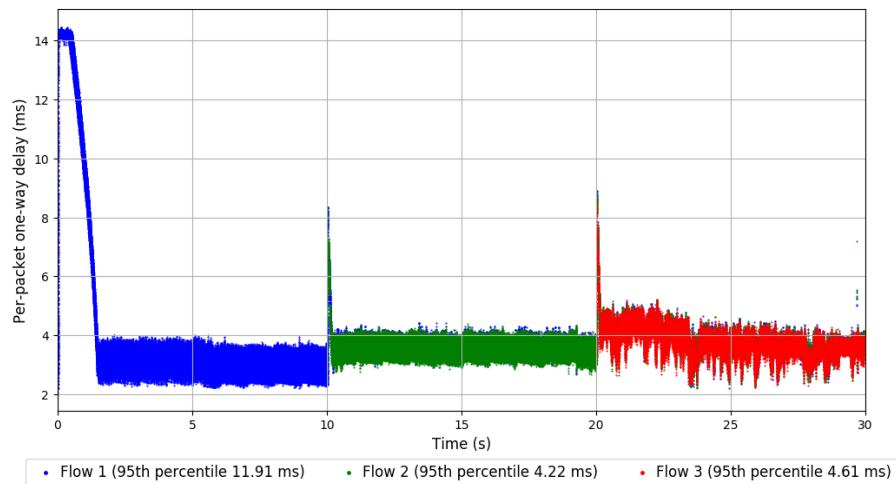
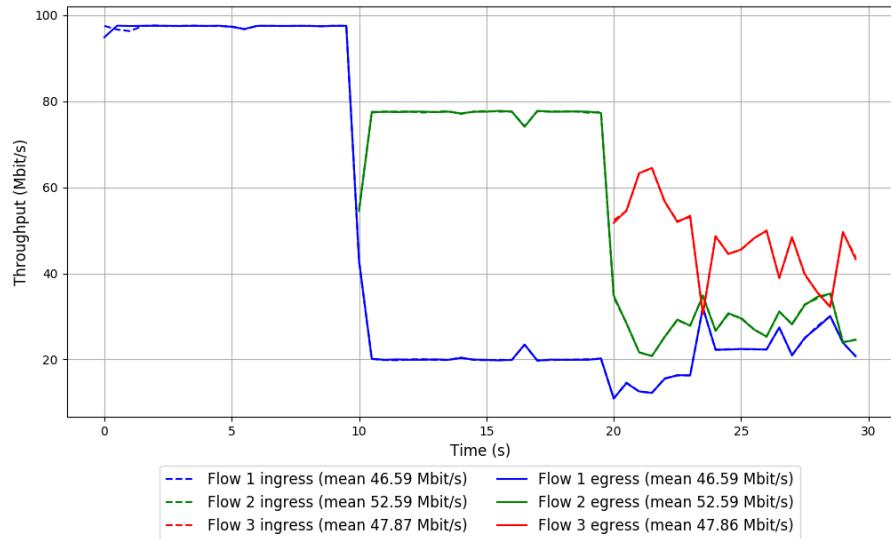


Run 7: Statistics of TCP Vegas

```
Start at: 2018-03-13 16:07:56
End at: 2018-03-13 16:08:26
Local clock offset: 2.483 ms
Remote clock offset: -6.628 ms

# Below is generated by plot.py at 2018-03-13 21:06:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 5.237 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 46.59 Mbit/s
95th percentile per-packet one-way delay: 11.908 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 52.59 Mbit/s
95th percentile per-packet one-way delay: 4.220 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 47.86 Mbit/s
95th percentile per-packet one-way delay: 4.607 ms
Loss rate: 0.06%
```

Run 7: Report of TCP Vegas — Data Link

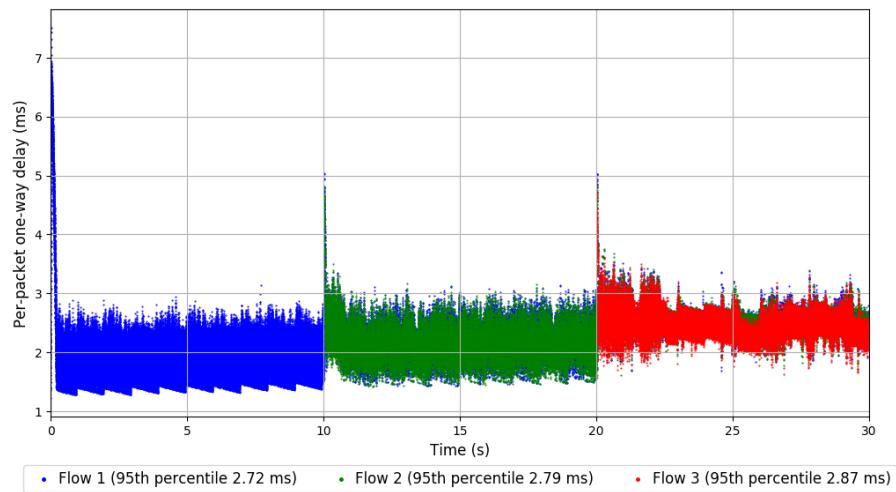
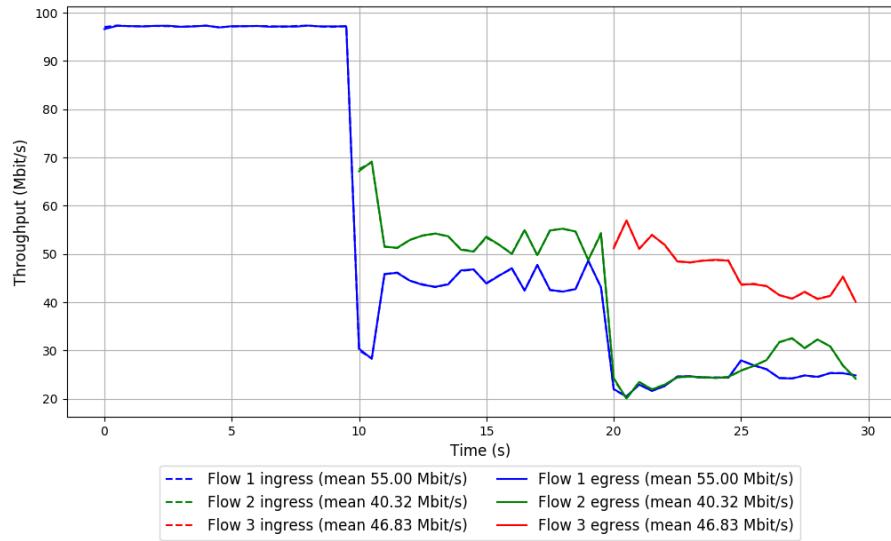


Run 8: Statistics of TCP Vegas

```
Start at: 2018-03-13 16:28:20
End at: 2018-03-13 16:28:50
Local clock offset: -0.962 ms
Remote clock offset: -6.462 ms

# Below is generated by plot.py at 2018-03-13 21:06:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 2.774 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 2.716 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 2.785 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.83 Mbit/s
95th percentile per-packet one-way delay: 2.867 ms
Loss rate: 0.02%
```

Run 8: Report of TCP Vegas — Data Link

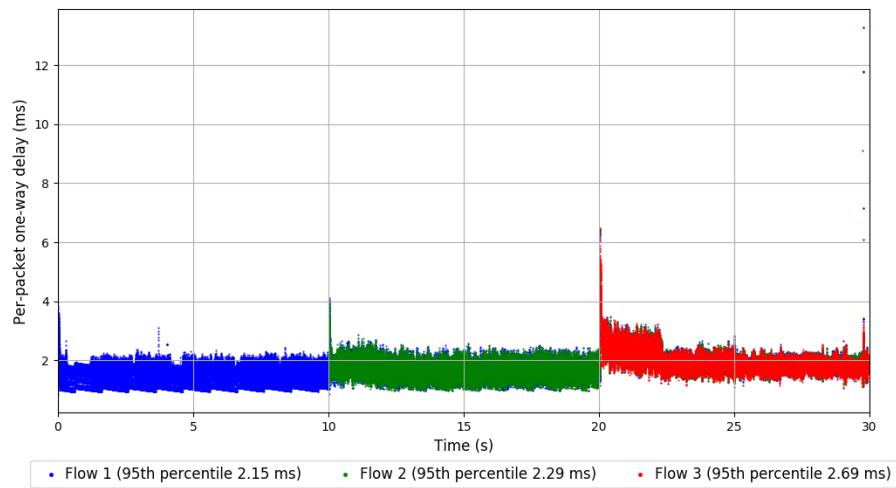
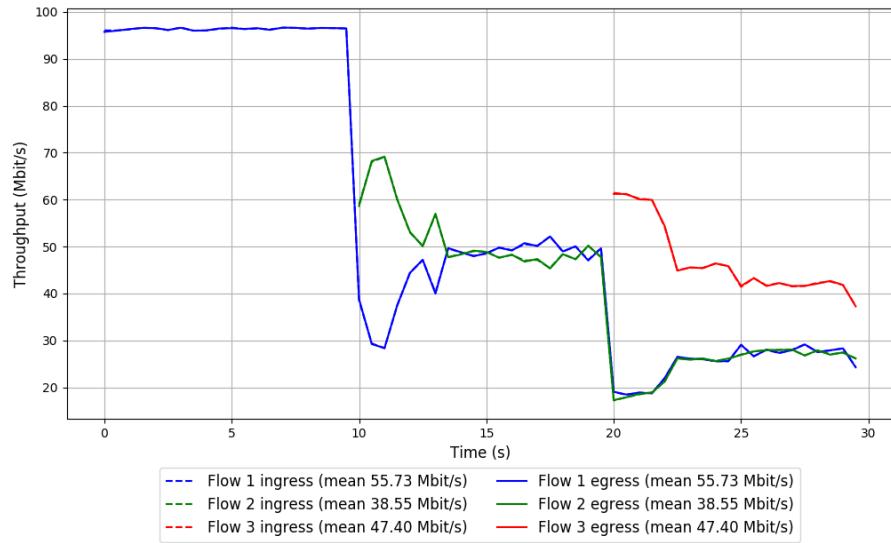


Run 9: Statistics of TCP Vegas

```
Start at: 2018-03-13 16:48:40
End at: 2018-03-13 16:49:10
Local clock offset: -7.376 ms
Remote clock offset: -6.453 ms

# Below is generated by plot.py at 2018-03-13 21:06:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 2.324 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 55.73 Mbit/s
95th percentile per-packet one-way delay: 2.148 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 2.289 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 47.40 Mbit/s
95th percentile per-packet one-way delay: 2.688 ms
Loss rate: 0.02%
```

Run 9: Report of TCP Vegas — Data Link

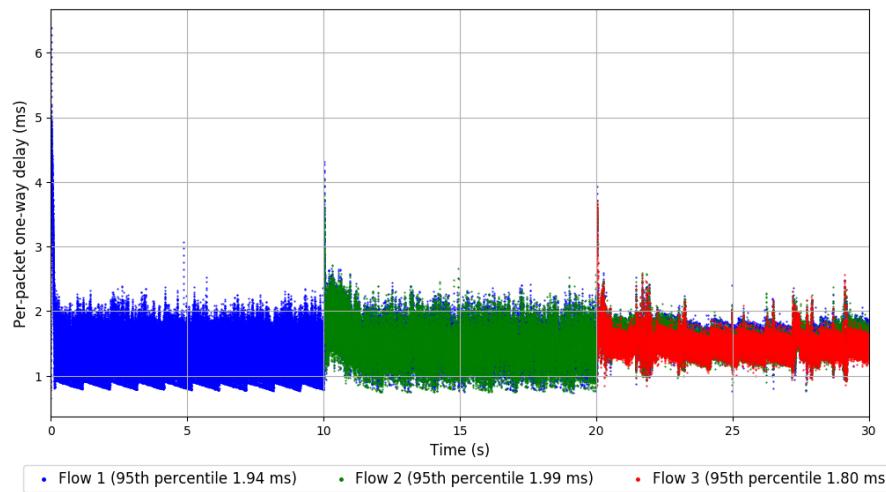
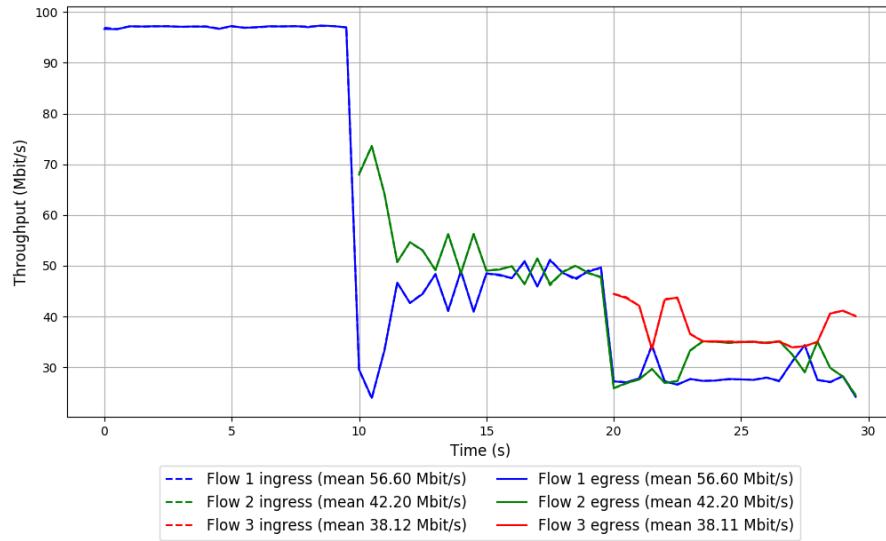


Run 10: Statistics of TCP Vegas

```
Start at: 2018-03-13 17:09:00
End at: 2018-03-13 17:09:30
Local clock offset: -4.588 ms
Remote clock offset: -6.35 ms

# Below is generated by plot.py at 2018-03-13 21:06:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 1.939 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 1.937 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.20 Mbit/s
95th percentile per-packet one-way delay: 1.985 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 1.800 ms
Loss rate: 0.03%
```

Run 10: Report of TCP Vegas — Data Link

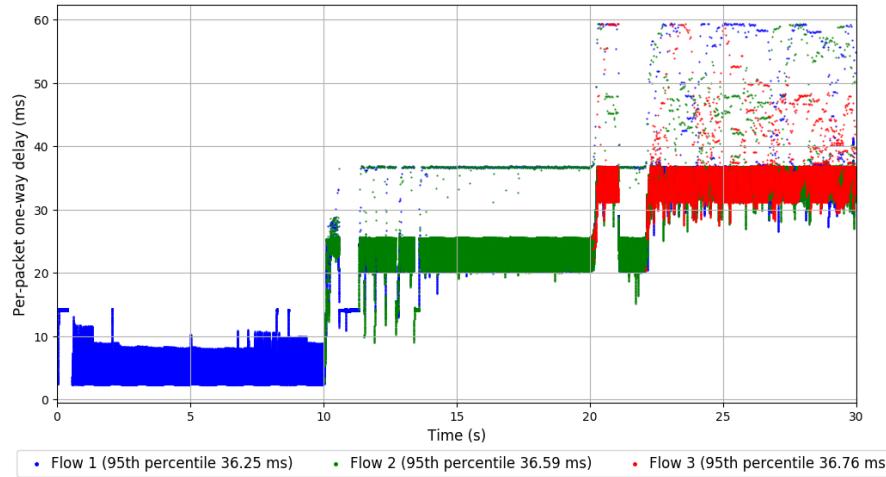
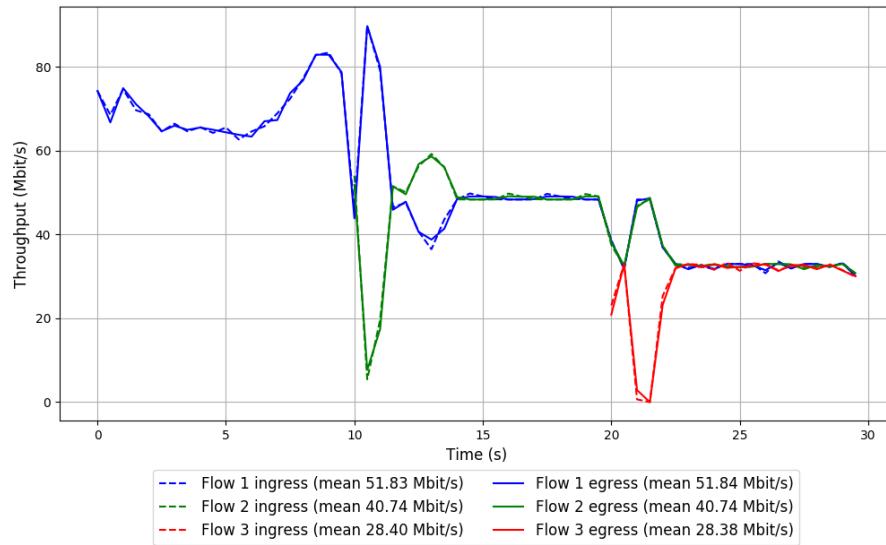


Run 1: Statistics of Verus

```
Start at: 2018-03-13 14:13:17
End at: 2018-03-13 14:13:47
Local clock offset: -6.012 ms
Remote clock offset: -6.923 ms

# Below is generated by plot.py at 2018-03-13 21:06:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.34 Mbit/s
95th percentile per-packet one-way delay: 36.619 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 36.247 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.74 Mbit/s
95th percentile per-packet one-way delay: 36.585 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 36.761 ms
Loss rate: 0.40%
```

Run 1: Report of Verus — Data Link

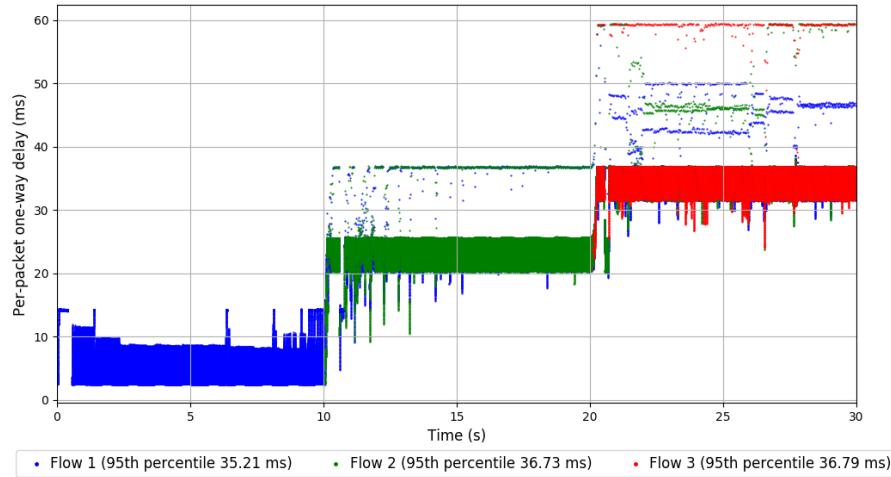
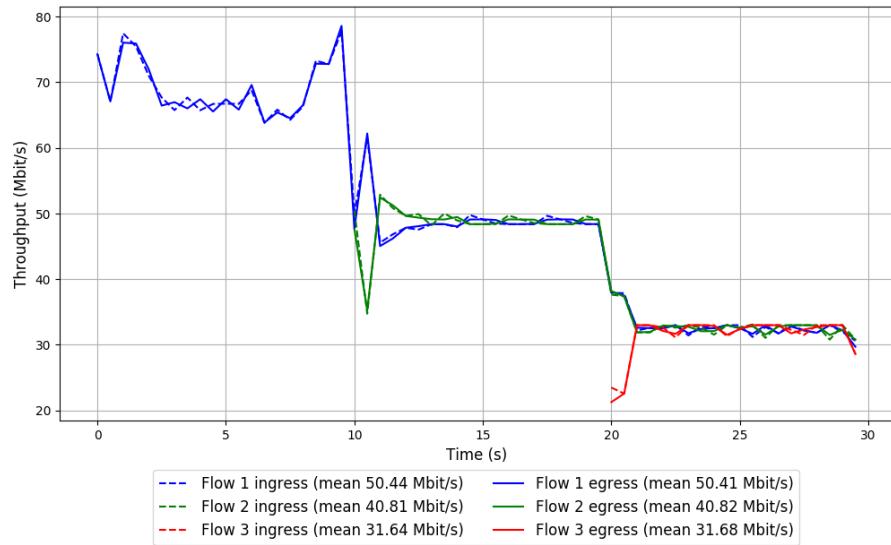


Run 2: Statistics of Verus

```
Start at: 2018-03-13 14:33:44
End at: 2018-03-13 14:34:14
Local clock offset: -5.64 ms
Remote clock offset: -6.748 ms

# Below is generated by plot.py at 2018-03-13 21:07:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 36.700 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 50.41 Mbit/s
95th percentile per-packet one-way delay: 35.213 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.82 Mbit/s
95th percentile per-packet one-way delay: 36.732 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 36.794 ms
Loss rate: 0.36%
```

Run 2: Report of Verus — Data Link

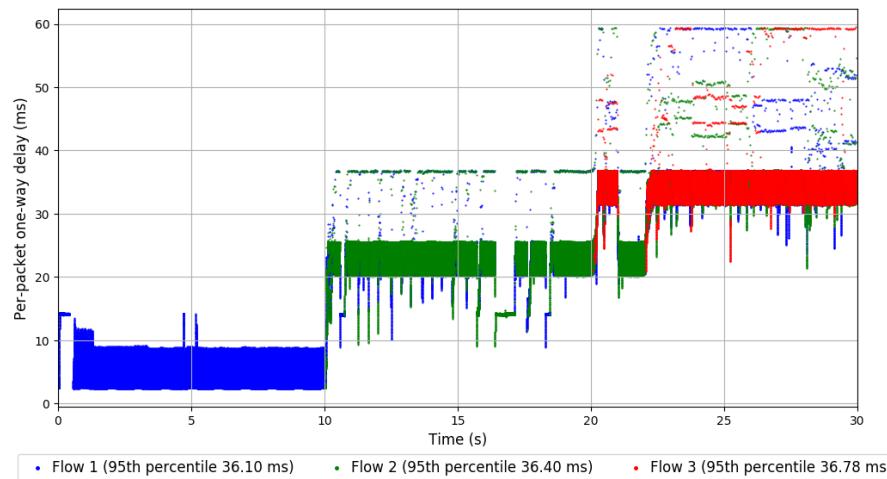
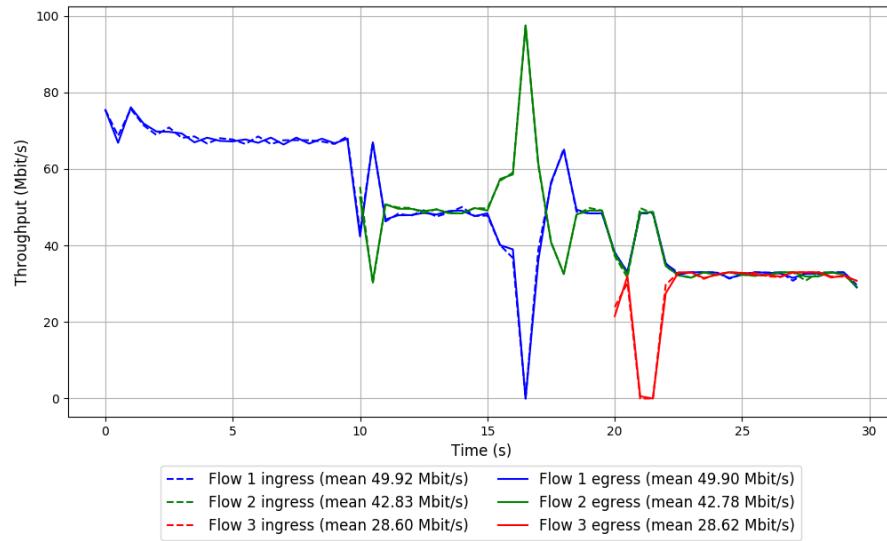


Run 3: Statistics of Verus

```
Start at: 2018-03-13 14:54:08
End at: 2018-03-13 14:54:38
Local clock offset: -6.532 ms
Remote clock offset: -6.586 ms

# Below is generated by plot.py at 2018-03-13 21:07:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 36.652 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 49.90 Mbit/s
95th percentile per-packet one-way delay: 36.099 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 42.78 Mbit/s
95th percentile per-packet one-way delay: 36.395 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 28.62 Mbit/s
95th percentile per-packet one-way delay: 36.779 ms
Loss rate: 0.39%
```

Run 3: Report of Verus — Data Link

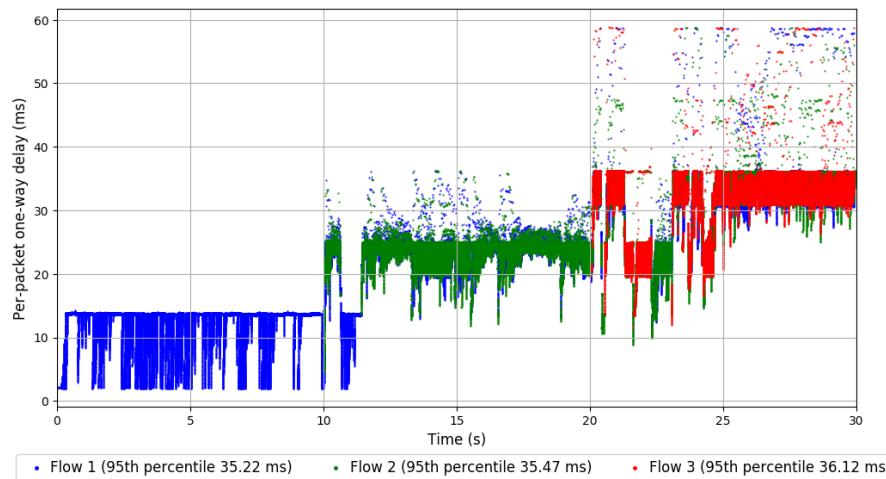
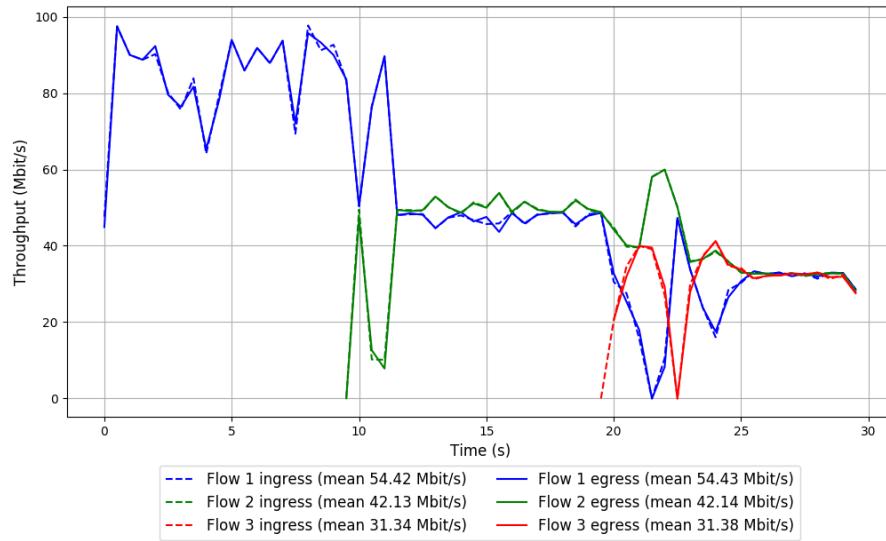


Run 4: Statistics of Verus

```
Start at: 2018-03-13 15:14:34
End at: 2018-03-13 15:15:04
Local clock offset: -7.004 ms
Remote clock offset: -6.68 ms

# Below is generated by plot.py at 2018-03-13 21:07:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 35.790 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 54.43 Mbit/s
95th percentile per-packet one-way delay: 35.221 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.14 Mbit/s
95th percentile per-packet one-way delay: 35.473 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 36.118 ms
Loss rate: 0.36%
```

Run 4: Report of Verus — Data Link

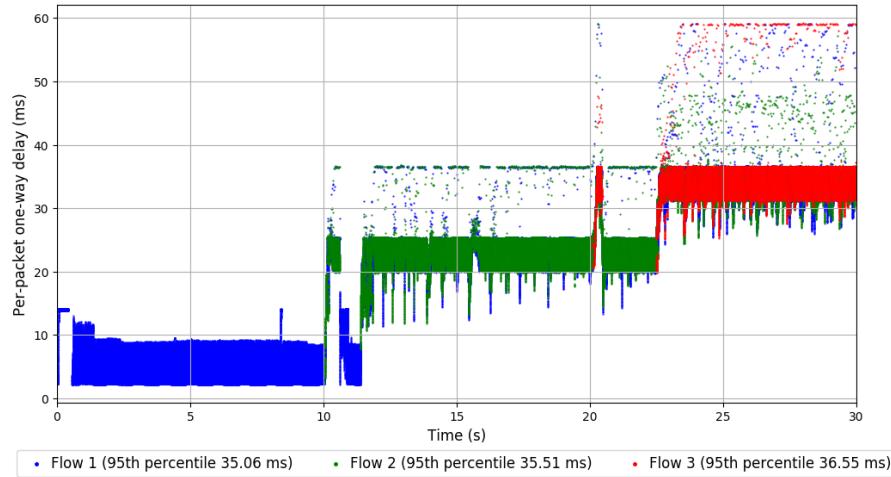
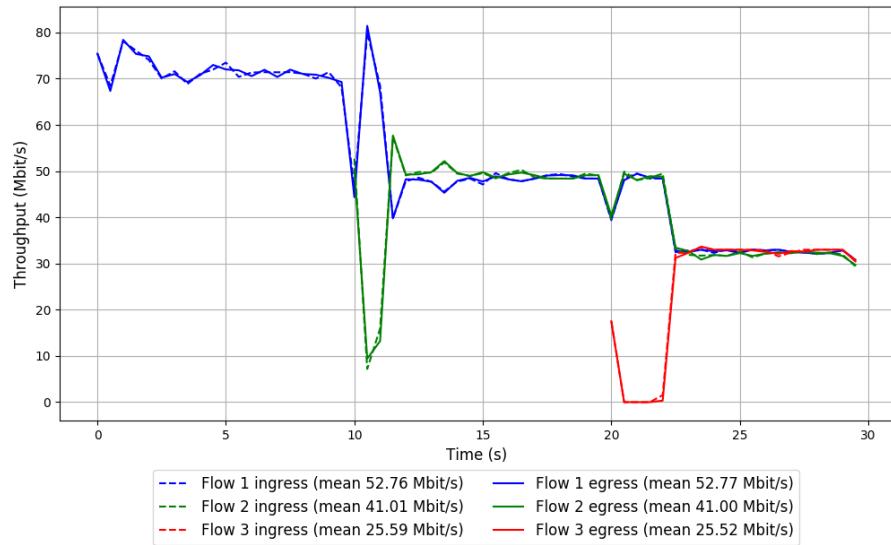


Run 5: Statistics of Verus

```
Start at: 2018-03-13 15:34:59
End at: 2018-03-13 15:35:29
Local clock offset: -0.949 ms
Remote clock offset: -6.752 ms

# Below is generated by plot.py at 2018-03-13 21:07:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 36.142 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 52.77 Mbit/s
95th percentile per-packet one-way delay: 35.058 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 41.00 Mbit/s
95th percentile per-packet one-way delay: 35.505 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 25.52 Mbit/s
95th percentile per-packet one-way delay: 36.545 ms
Loss rate: 0.50%
```

Run 5: Report of Verus — Data Link

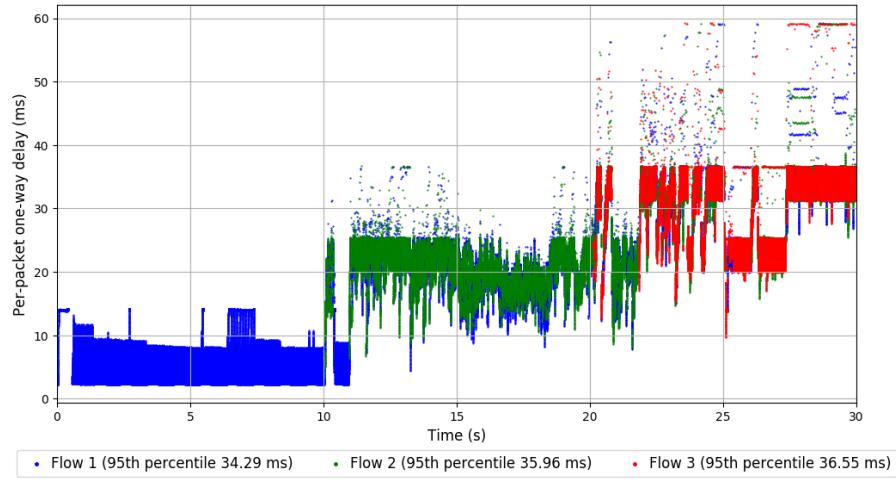
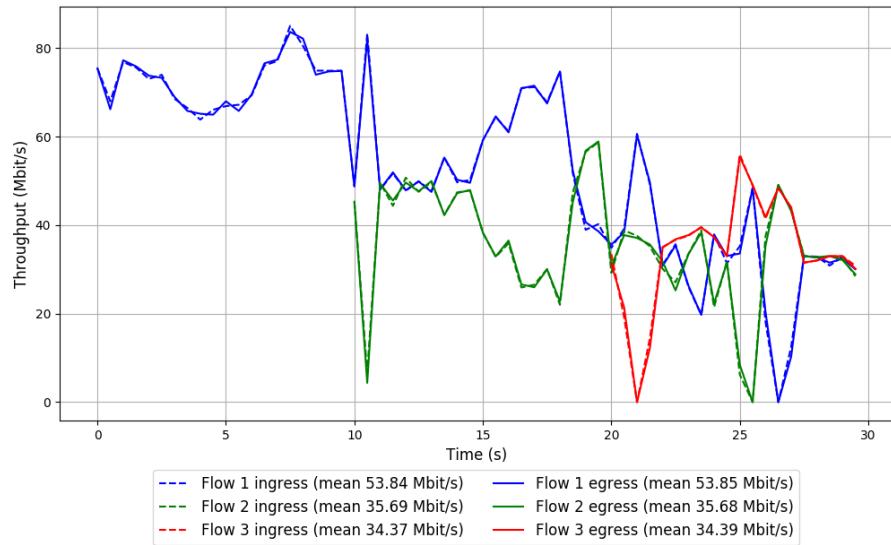


Run 6: Statistics of Verus

```
Start at: 2018-03-13 15:55:23
End at: 2018-03-13 15:55:53
Local clock offset: 1.314 ms
Remote clock offset: -6.831 ms

# Below is generated by plot.py at 2018-03-13 21:07:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.97 Mbit/s
95th percentile per-packet one-way delay: 35.804 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 53.85 Mbit/s
95th percentile per-packet one-way delay: 34.290 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 35.68 Mbit/s
95th percentile per-packet one-way delay: 35.961 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 34.39 Mbit/s
95th percentile per-packet one-way delay: 36.547 ms
Loss rate: 0.43%
```

Run 6: Report of Verus — Data Link

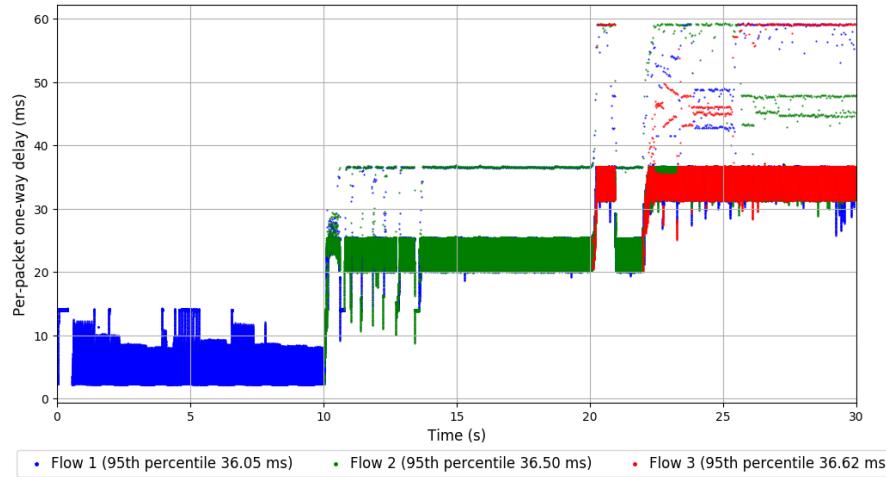
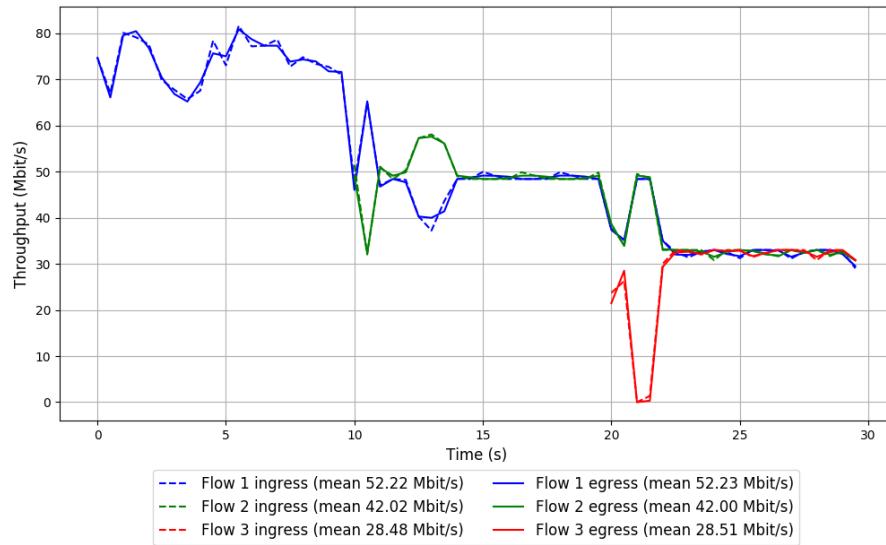


Run 7: Statistics of Verus

```
Start at: 2018-03-13 16:15:50
End at: 2018-03-13 16:16:20
Local clock offset: 3.219 ms
Remote clock offset: -6.546 ms

# Below is generated by plot.py at 2018-03-13 21:08:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 36.509 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 52.23 Mbit/s
95th percentile per-packet one-way delay: 36.049 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.00 Mbit/s
95th percentile per-packet one-way delay: 36.497 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 36.616 ms
Loss rate: 0.40%
```

Run 7: Report of Verus — Data Link

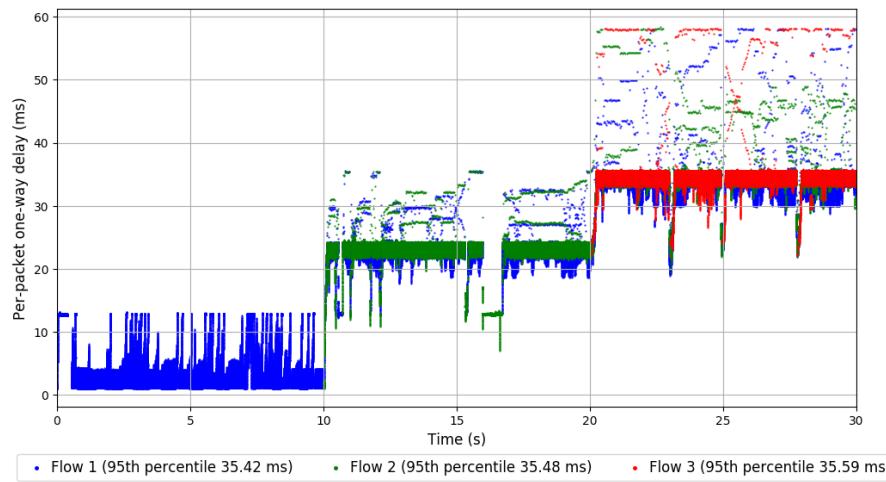
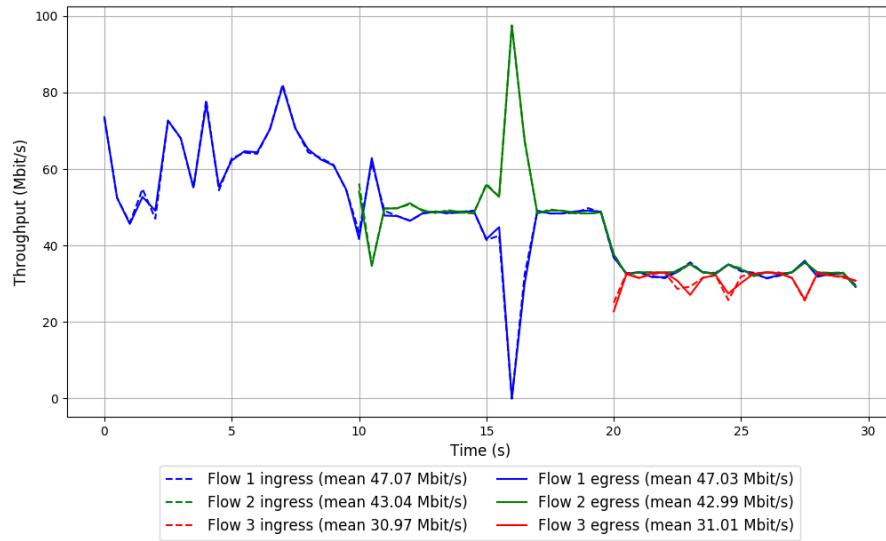


Run 8: Statistics of Verus

```
Start at: 2018-03-13 16:36:12
End at: 2018-03-13 16:36:42
Local clock offset: -4.855 ms
Remote clock offset: -6.517 ms

# Below is generated by plot.py at 2018-03-13 21:08:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.92 Mbit/s
95th percentile per-packet one-way delay: 35.508 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 47.03 Mbit/s
95th percentile per-packet one-way delay: 35.421 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 42.99 Mbit/s
95th percentile per-packet one-way delay: 35.483 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 35.591 ms
Loss rate: 0.36%
```

Run 8: Report of Verus — Data Link

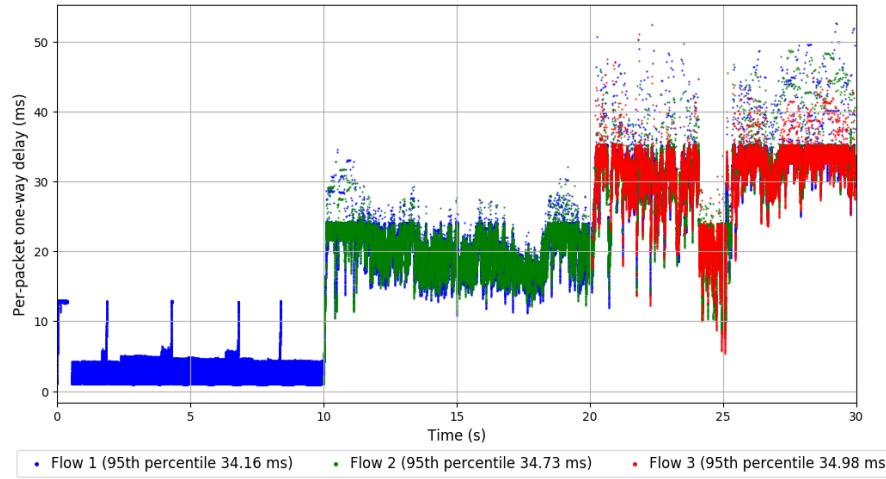
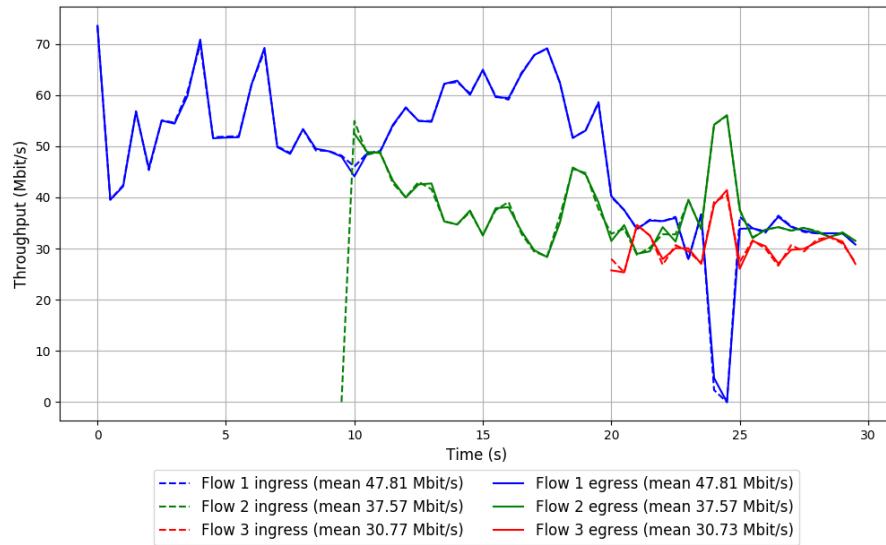


Run 9: Statistics of Verus

```
Start at: 2018-03-13 16:56:32
End at: 2018-03-13 16:57:02
Local clock offset: -8.23 ms
Remote clock offset: -6.465 ms

# Below is generated by plot.py at 2018-03-13 21:08:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.00 Mbit/s
95th percentile per-packet one-way delay: 34.566 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 47.81 Mbit/s
95th percentile per-packet one-way delay: 34.162 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 34.735 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 34.977 ms
Loss rate: 0.35%
```

Run 9: Report of Verus — Data Link

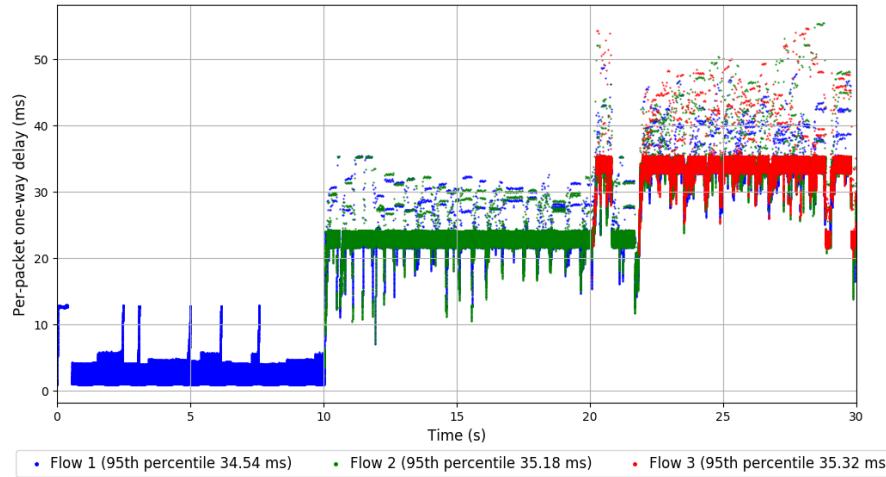
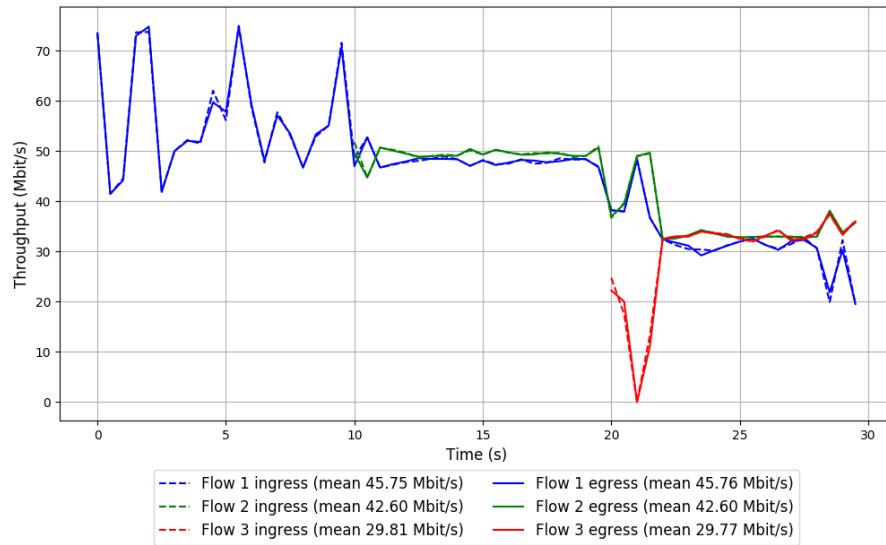


Run 10: Statistics of Verus

```
Start at: 2018-03-13 17:16:51
End at: 2018-03-13 17:17:21
Local clock offset: -3.932 ms
Remote clock offset: -6.819 ms

# Below is generated by plot.py at 2018-03-13 21:08:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 35.175 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 45.76 Mbit/s
95th percentile per-packet one-way delay: 34.536 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 35.182 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 29.77 Mbit/s
95th percentile per-packet one-way delay: 35.322 ms
Loss rate: 0.41%
```

Run 10: Report of Verus — Data Link

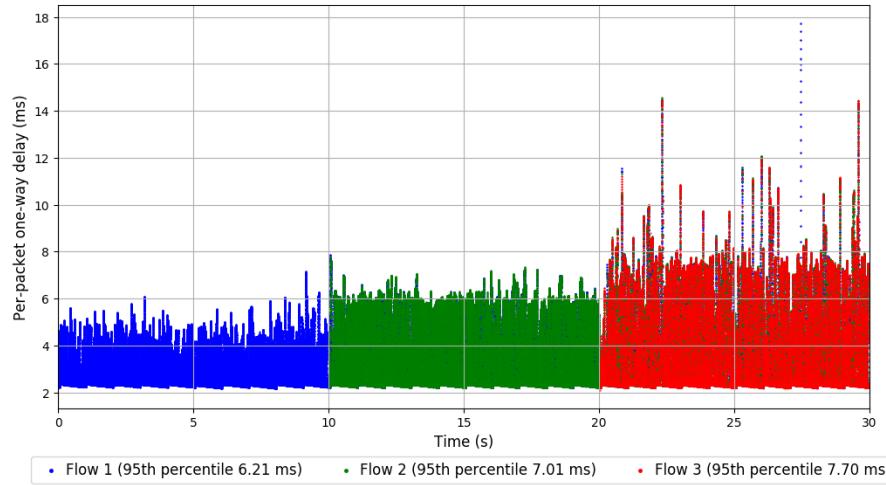
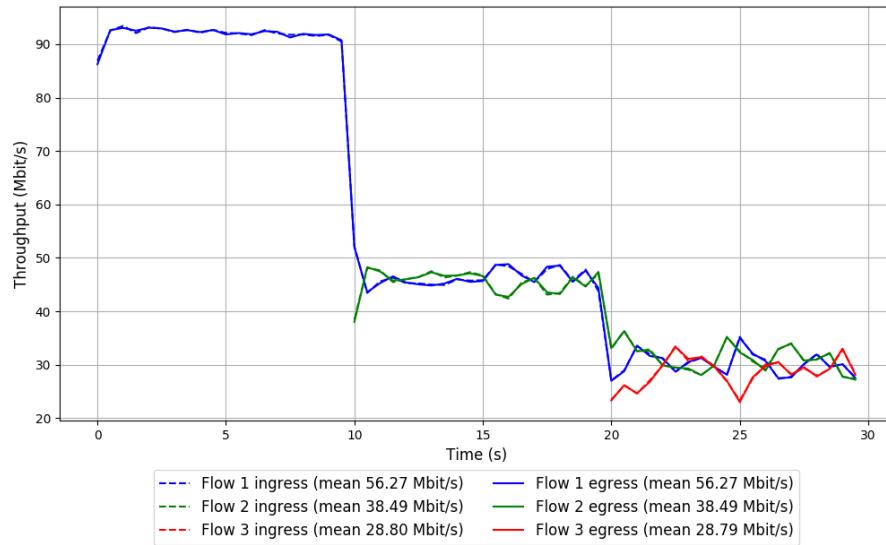


Run 1: Statistics of Copa

```
Start at: 2018-03-13 14:06:30
End at: 2018-03-13 14:07:00
Local clock offset: -6.403 ms
Remote clock offset: -6.812 ms

# Below is generated by plot.py at 2018-03-13 21:09:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 6.848 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 6.213 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 7.012 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 28.79 Mbit/s
95th percentile per-packet one-way delay: 7.698 ms
Loss rate: 0.07%
```

Run 1: Report of Copa — Data Link

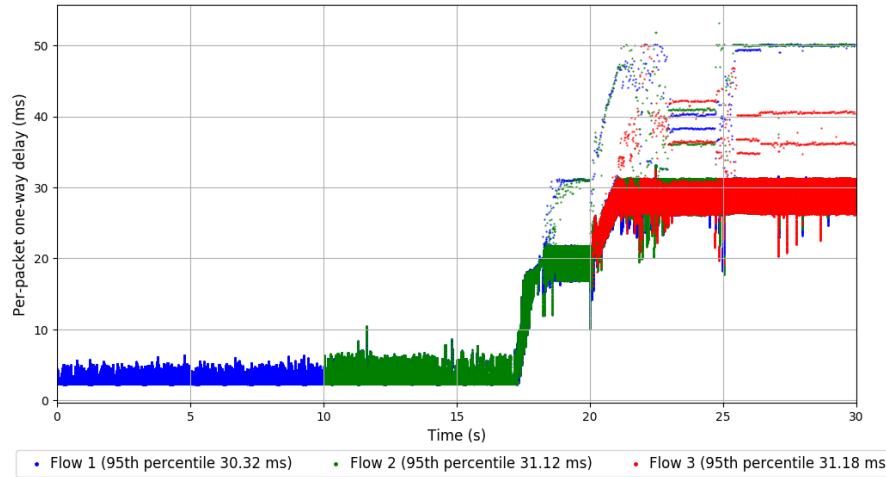
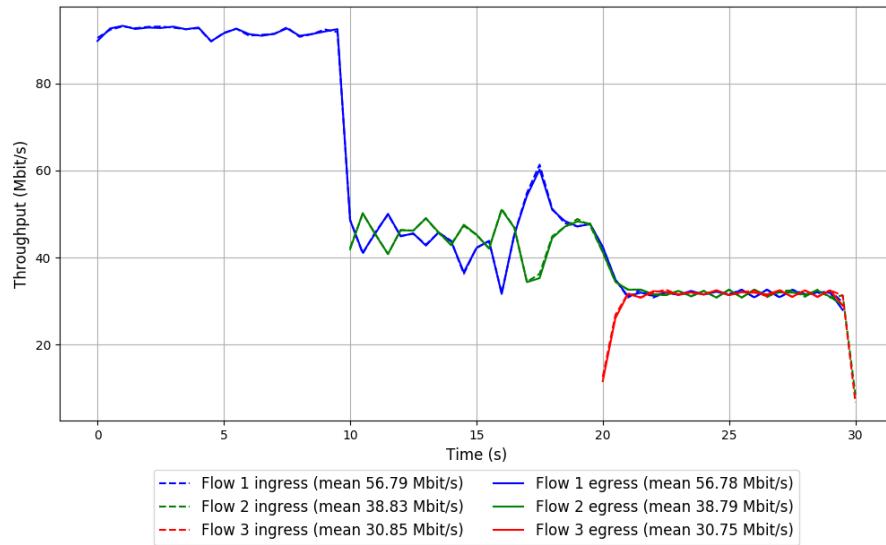


Run 2: Statistics of Copa

```
Start at: 2018-03-13 14:26:59
End at: 2018-03-13 14:27:29
Local clock offset: -5.8 ms
Remote clock offset: -6.773 ms

# Below is generated by plot.py at 2018-03-13 21:10:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 31.066 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 56.78 Mbit/s
95th percentile per-packet one-way delay: 30.319 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.79 Mbit/s
95th percentile per-packet one-way delay: 31.121 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 31.182 ms
Loss rate: 1.76%
```

Run 2: Report of Copa — Data Link

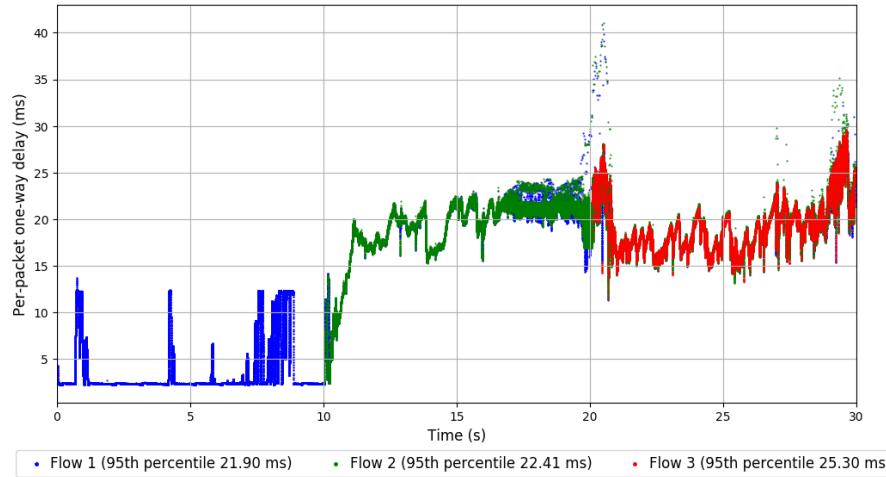
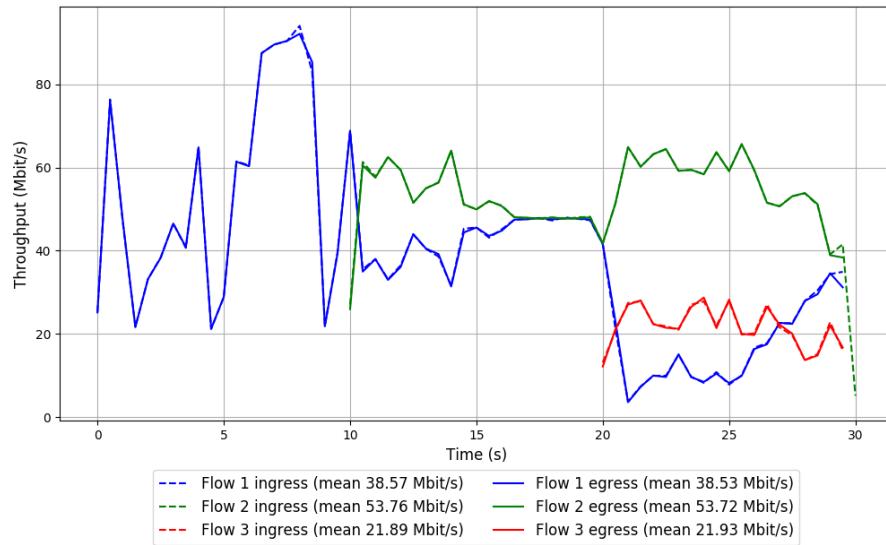


Run 3: Statistics of Copa

```
Start at: 2018-03-13 14:47:25
End at: 2018-03-13 14:47:55
Local clock offset: -6.258 ms
Remote clock offset: -6.583 ms

# Below is generated by plot.py at 2018-03-13 21:10:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.50 Mbit/s
95th percentile per-packet one-way delay: 22.402 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 38.53 Mbit/s
95th percentile per-packet one-way delay: 21.900 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 53.72 Mbit/s
95th percentile per-packet one-way delay: 22.408 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 21.93 Mbit/s
95th percentile per-packet one-way delay: 25.304 ms
Loss rate: 0.20%
```

Run 3: Report of Copa — Data Link

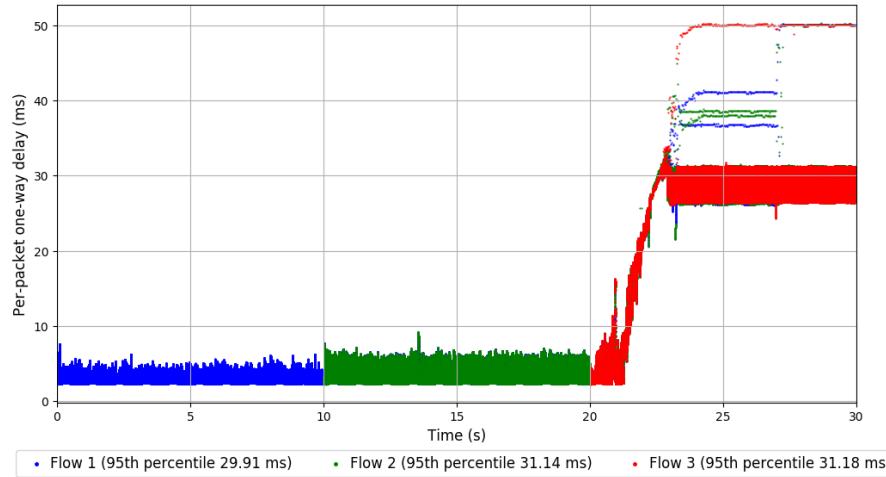
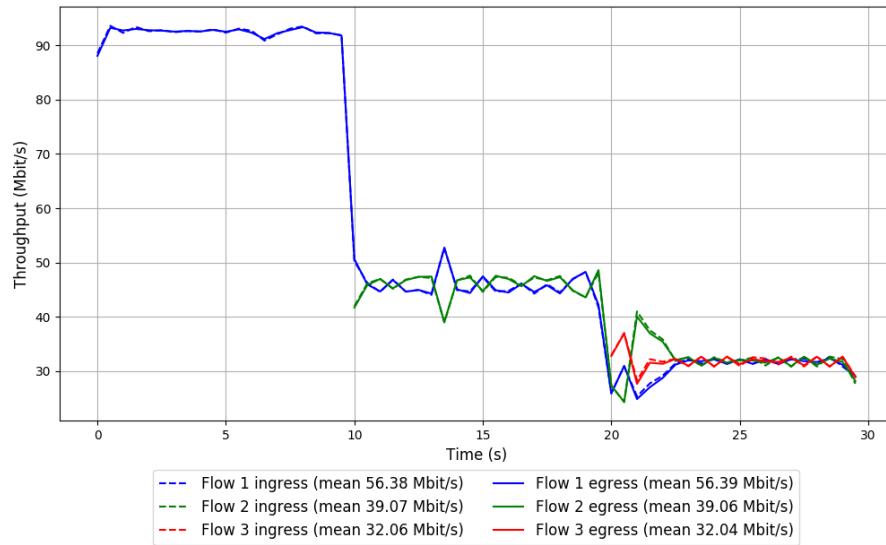


Run 4: Statistics of Copa

```
Start at: 2018-03-13 15:07:49
End at: 2018-03-13 15:08:19
Local clock offset: -6.866 ms
Remote clock offset: -6.65 ms

# Below is generated by plot.py at 2018-03-13 21:10:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 31.078 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.39 Mbit/s
95th percentile per-packet one-way delay: 29.912 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.06 Mbit/s
95th percentile per-packet one-way delay: 31.139 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.04 Mbit/s
95th percentile per-packet one-way delay: 31.184 ms
Loss rate: 0.32%
```

Run 4: Report of Copa — Data Link

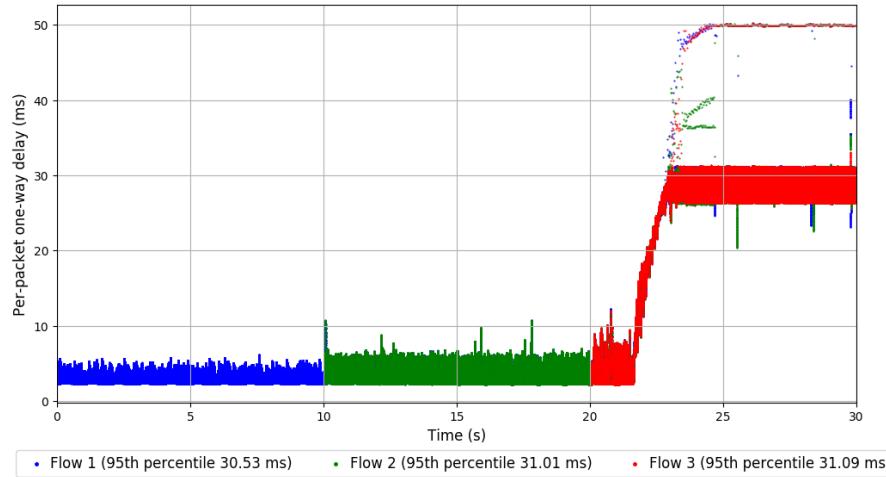
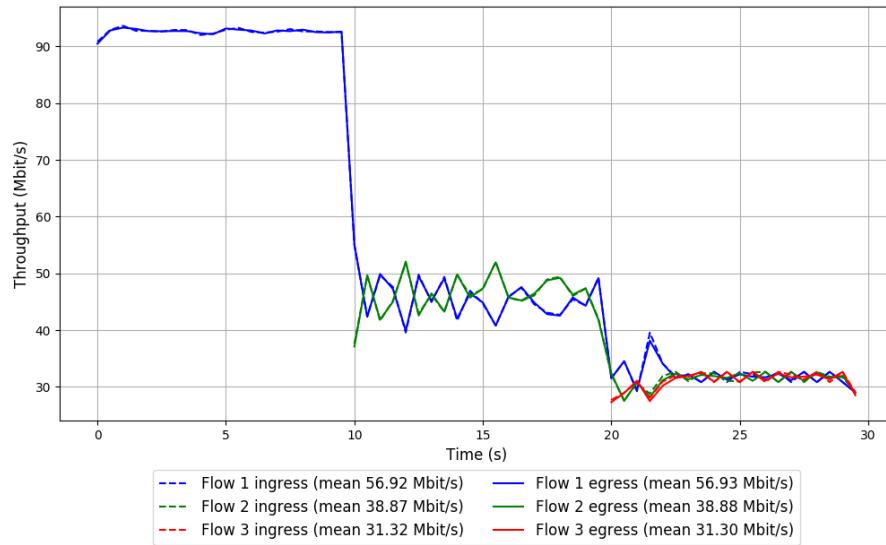


Run 5: Statistics of Copa

```
Start at: 2018-03-13 15:28:14
End at: 2018-03-13 15:28:44
Local clock offset: -2.022 ms
Remote clock offset: -6.77 ms

# Below is generated by plot.py at 2018-03-13 21:10:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 30.999 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: 30.526 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 31.006 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 31.092 ms
Loss rate: 0.37%
```

Run 5: Report of Copa — Data Link

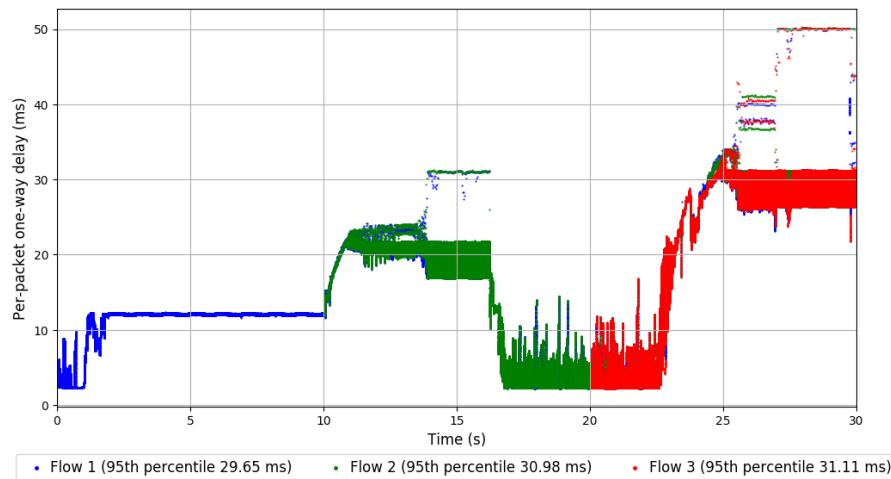
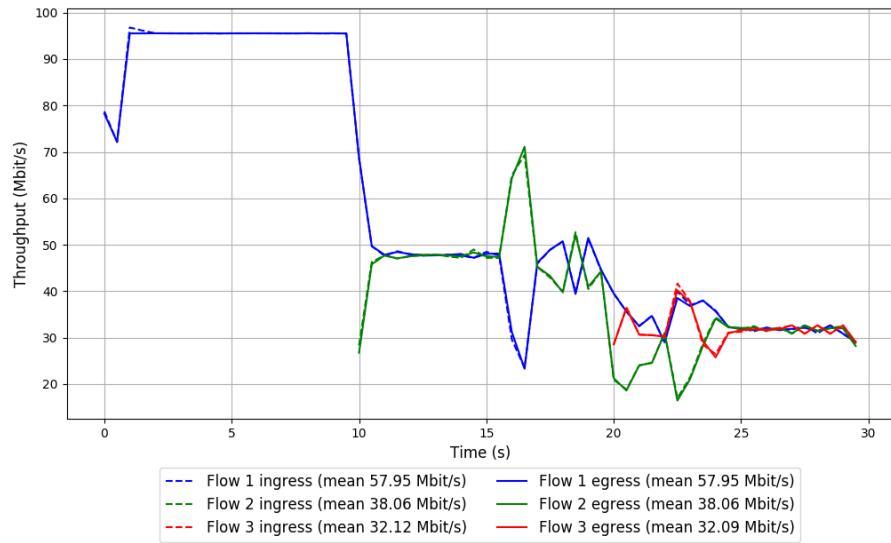


Run 6: Statistics of Copa

```
Start at: 2018-03-13 15:48:39
End at: 2018-03-13 15:49:09
Local clock offset: 0.712 ms
Remote clock offset: -6.794 ms

# Below is generated by plot.py at 2018-03-13 21:10:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 30.771 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 57.95 Mbit/s
95th percentile per-packet one-way delay: 29.650 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.06 Mbit/s
95th percentile per-packet one-way delay: 30.975 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 31.112 ms
Loss rate: 0.29%
```

Run 6: Report of Copa — Data Link

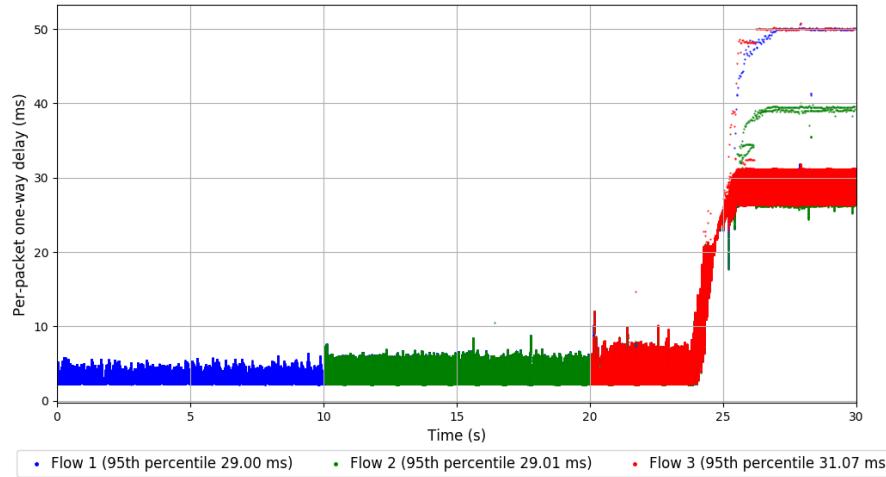
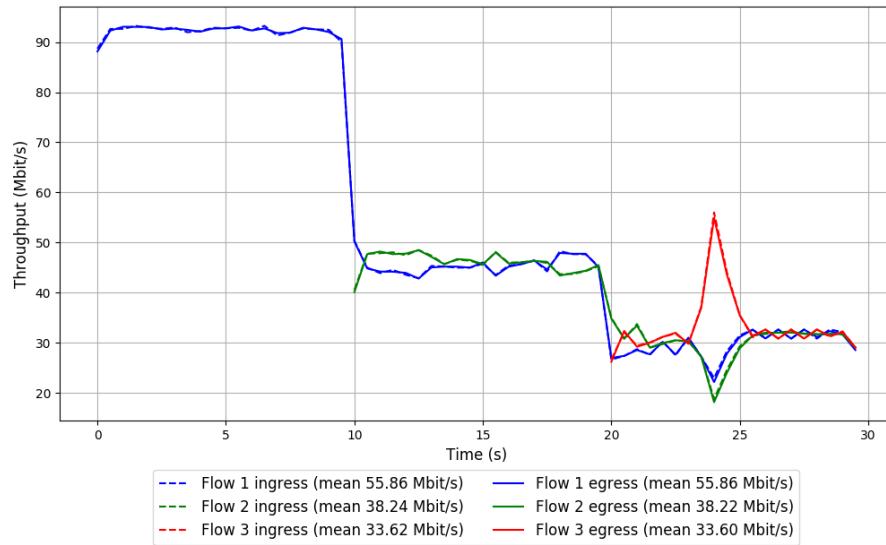


Run 7: Statistics of Copa

```
Start at: 2018-03-13 16:09:04
End at: 2018-03-13 16:09:34
Local clock offset: 2.61 ms
Remote clock offset: -6.605 ms

# Below is generated by plot.py at 2018-03-13 21:10:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 29.950 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 29.001 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.22 Mbit/s
95th percentile per-packet one-way delay: 29.011 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 31.070 ms
Loss rate: 0.28%
```

Run 7: Report of Copa — Data Link

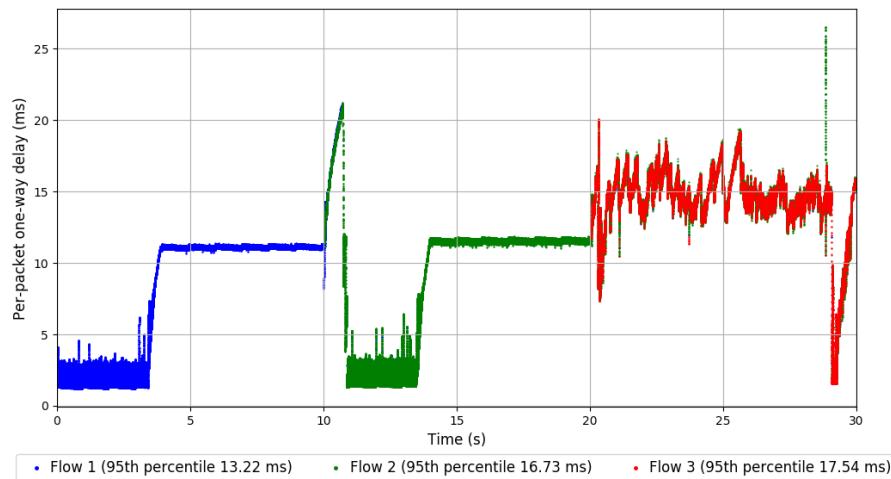
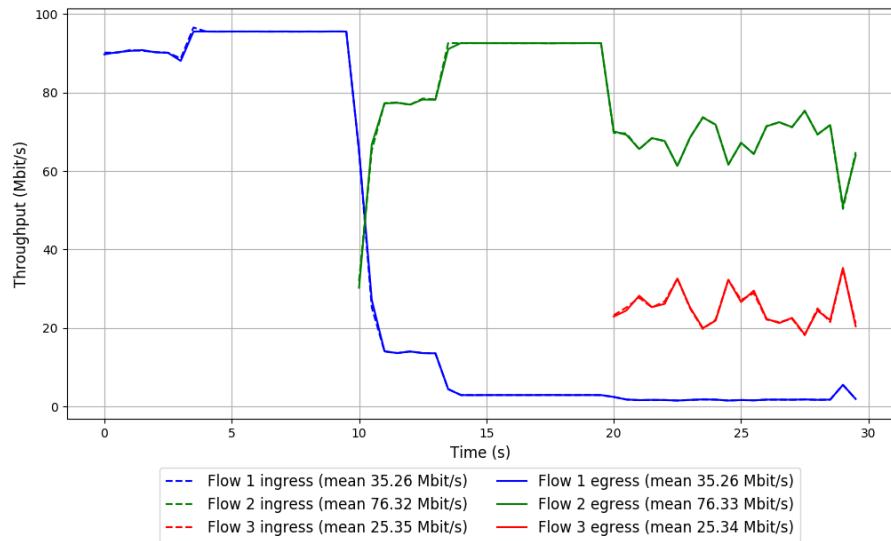


Run 8: Statistics of Copa

```
Start at: 2018-03-13 16:29:28
End at: 2018-03-13 16:29:58
Local clock offset: -1.744 ms
Remote clock offset: -6.448 ms

# Below is generated by plot.py at 2018-03-13 21:11:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 16.663 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 35.26 Mbit/s
95th percentile per-packet one-way delay: 13.221 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 76.33 Mbit/s
95th percentile per-packet one-way delay: 16.725 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 25.34 Mbit/s
95th percentile per-packet one-way delay: 17.543 ms
Loss rate: 0.19%
```

Run 8: Report of Copa — Data Link

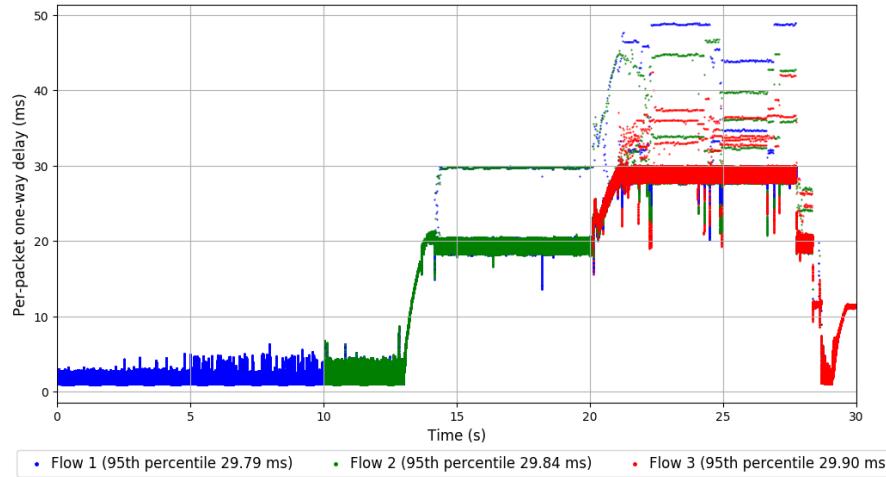
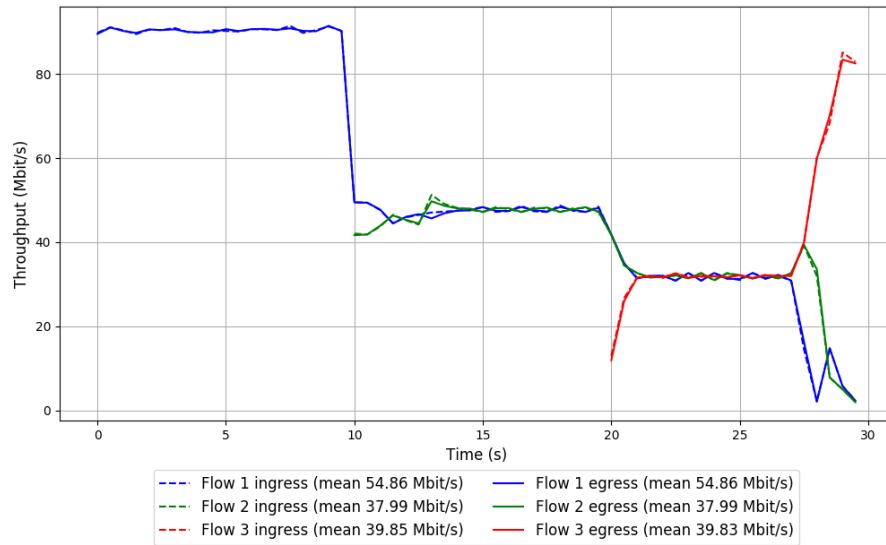


Run 9: Statistics of Copa

```
Start at: 2018-03-13 16:49:48
End at: 2018-03-13 16:50:18
Local clock offset: -7.518 ms
Remote clock offset: -6.453 ms

# Below is generated by plot.py at 2018-03-13 21:12:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 29.829 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 54.86 Mbit/s
95th percentile per-packet one-way delay: 29.789 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 29.839 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 29.902 ms
Loss rate: 0.29%
```

Run 9: Report of Copa — Data Link

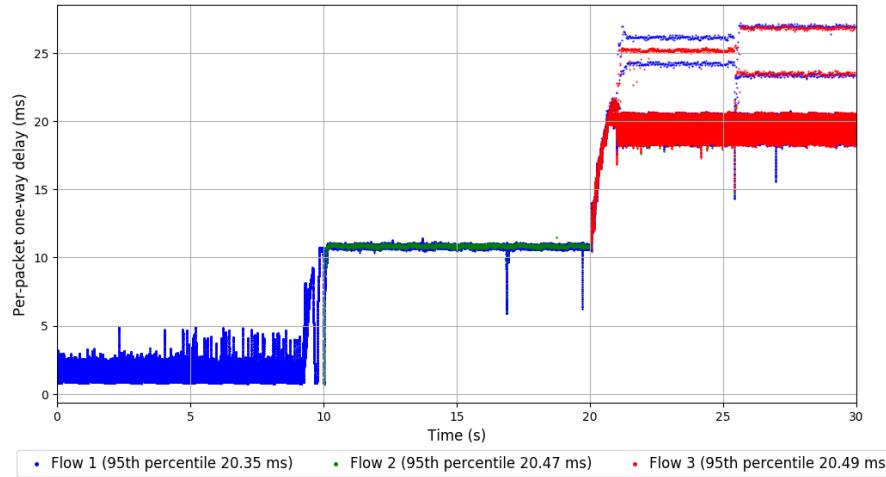
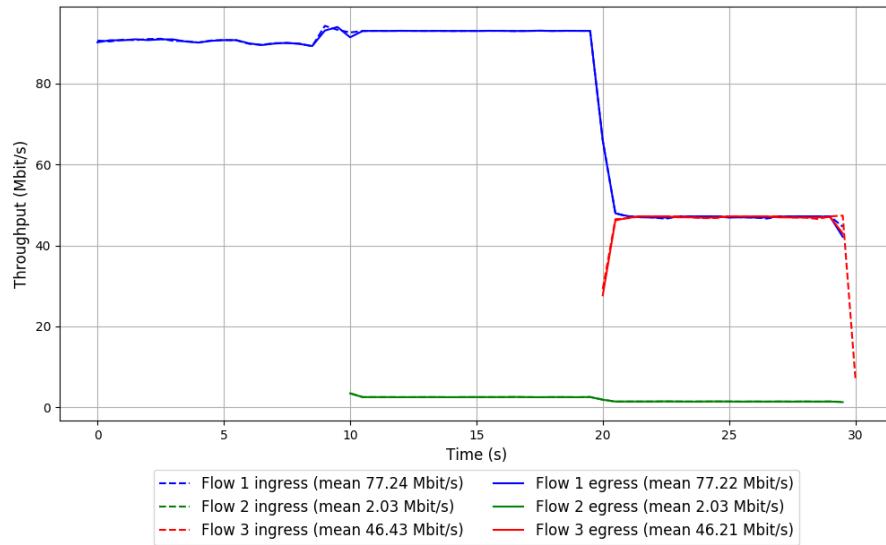


Run 10: Statistics of Copa

```
Start at: 2018-03-13 17:10:08
End at: 2018-03-13 17:10:38
Local clock offset: -4.471 ms
Remote clock offset: -6.448 ms

# Below is generated by plot.py at 2018-03-13 21:12:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 20.402 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 77.22 Mbit/s
95th percentile per-packet one-way delay: 20.348 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 20.466 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 20.489 ms
Loss rate: 1.44%
```

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-03-13 14:16:43
End at: 2018-03-13 14:17:13
Local clock offset: -5.862 ms
Remote clock offset: -6.872 ms

Run 1: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of FillP

Start at: 2018-03-13 14:37:09
End at: 2018-03-13 14:37:39
Local clock offset: -5.616 ms
Remote clock offset: -6.634 ms

Run 2: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of FillP

Start at: 2018-03-13 14:57:34
End at: 2018-03-13 14:58:04
Local clock offset: -6.762 ms
Remote clock offset: -6.665 ms

Run 3: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of FillP

Start at: 2018-03-13 15:17:59
End at: 2018-03-13 15:18:29
Local clock offset: -5.155 ms
Remote clock offset: -6.69 ms

Run 4: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of FillP

Start at: 2018-03-13 15:38:24
End at: 2018-03-13 15:38:54
Local clock offset: -0.415 ms
Remote clock offset: -6.835 ms

Run 5: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of FillP

Start at: 2018-03-13 15:58:49
End at: 2018-03-13 15:59:19
Local clock offset: 1.605 ms
Remote clock offset: -6.9 ms

Run 6: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of FillP

Start at: 2018-03-13 16:19:15
End at: 2018-03-13 16:19:45
Local clock offset: 3.616 ms
Remote clock offset: -6.492 ms

Run 7: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of FillP

Start at: 2018-03-13 16:39:36
End at: 2018-03-13 16:40:06
Local clock offset: -5.724 ms
Remote clock offset: -6.423 ms

Run 8: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of FillP

Start at: 2018-03-13 16:59:56
End at: 2018-03-13 17:00:26
Local clock offset: -6.909 ms
Remote clock offset: -6.38 ms

Run 9: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of FillP

Start at: 2018-03-13 17:20:15
End at: 2018-03-13 17:20:45
Local clock offset: -3.725 ms
Remote clock offset: -6.905 ms

Run 10: Report of FillP — Data Link

Figure is missing

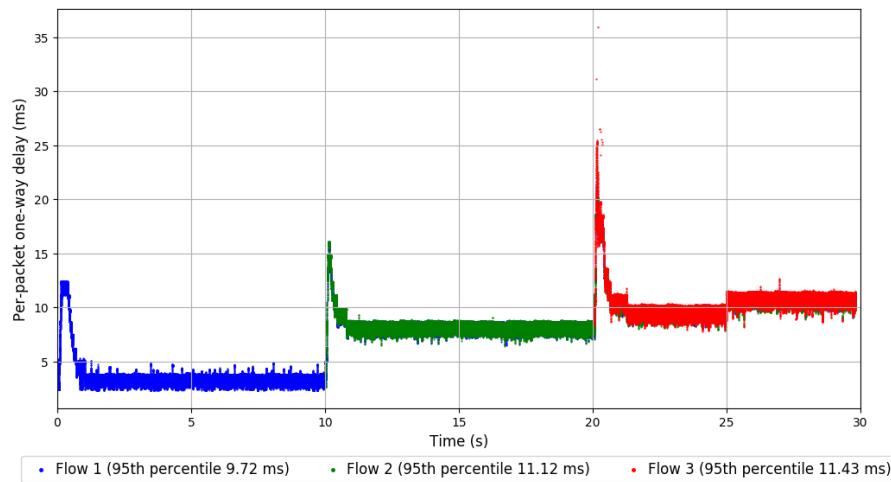
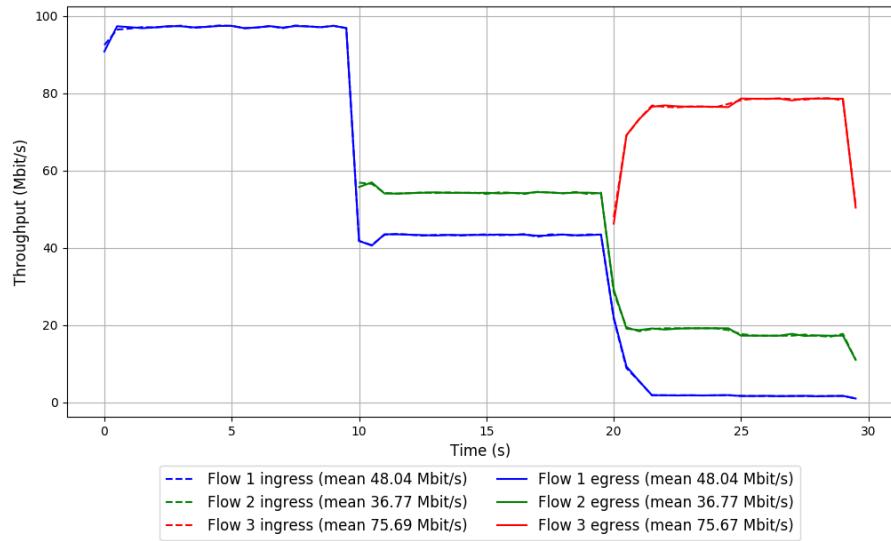
Figure is missing

Run 1: Statistics of Indigo-1-32

```
Start at: 2018-03-13 14:04:12
End at: 2018-03-13 14:04:42
Local clock offset: -6.365 ms
Remote clock offset: -6.775 ms

# Below is generated by plot.py at 2018-03-13 21:12:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 11.339 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 48.04 Mbit/s
95th percentile per-packet one-way delay: 9.720 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 11.119 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 11.429 ms
Loss rate: 0.14%
```

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

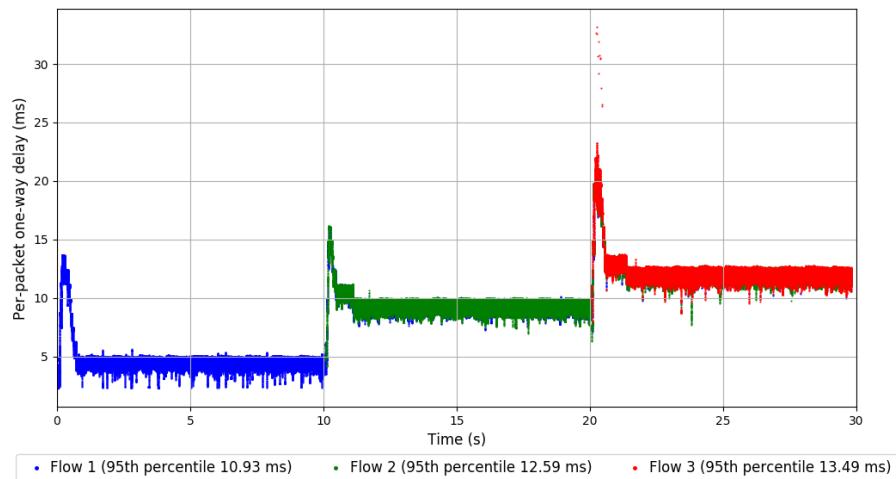
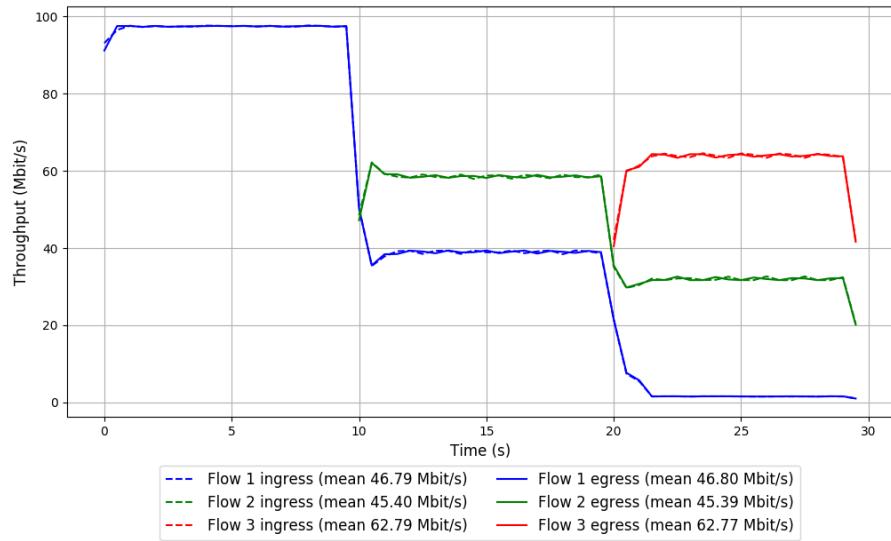


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-03-13 14:24:41
End at: 2018-03-13 14:25:11
Local clock offset: -5.754 ms
Remote clock offset: -6.745 ms

# Below is generated by plot.py at 2018-03-13 21:12:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 12.600 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.80 Mbit/s
95th percentile per-packet one-way delay: 10.927 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 12.585 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 62.77 Mbit/s
95th percentile per-packet one-way delay: 13.494 ms
Loss rate: 0.15%
```

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

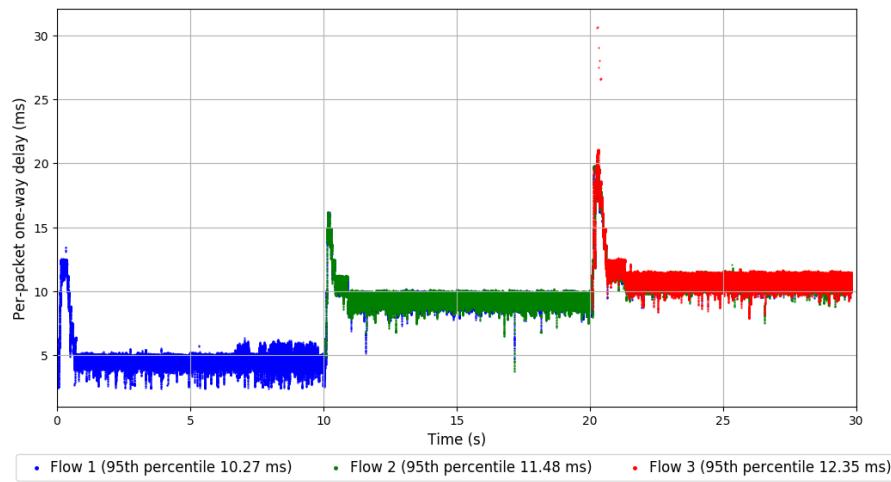
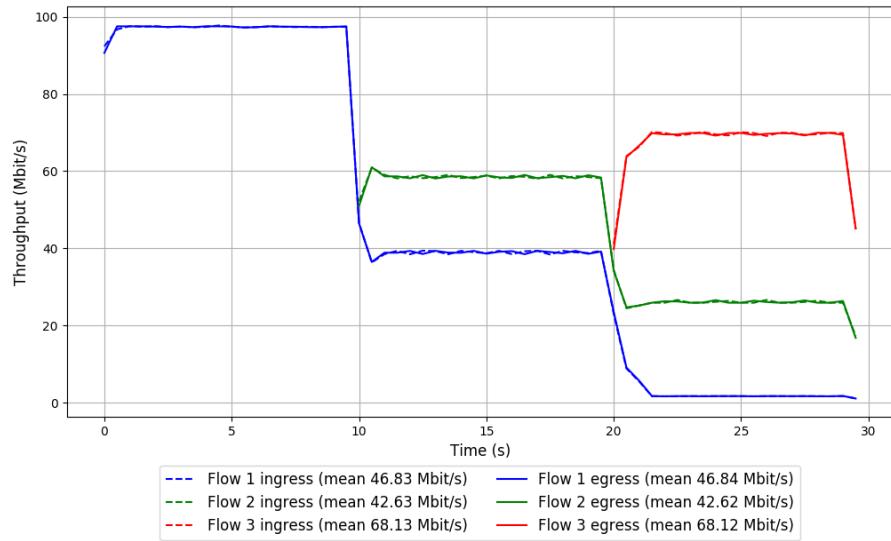


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-03-13 14:45:07
End at: 2018-03-13 14:45:37
Local clock offset: -6.059 ms
Remote clock offset: -6.595 ms

# Below is generated by plot.py at 2018-03-13 21:12:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 11.535 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 10.266 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.62 Mbit/s
95th percentile per-packet one-way delay: 11.477 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 68.12 Mbit/s
95th percentile per-packet one-way delay: 12.353 ms
Loss rate: 0.13%
```

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

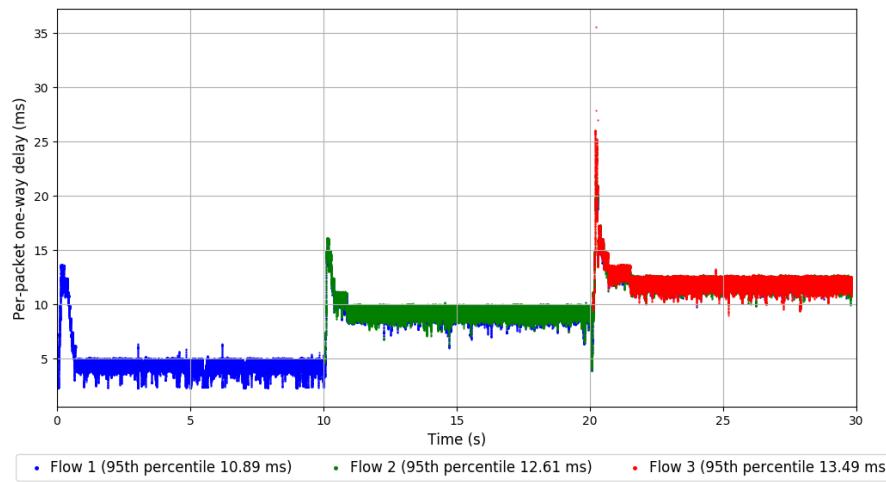
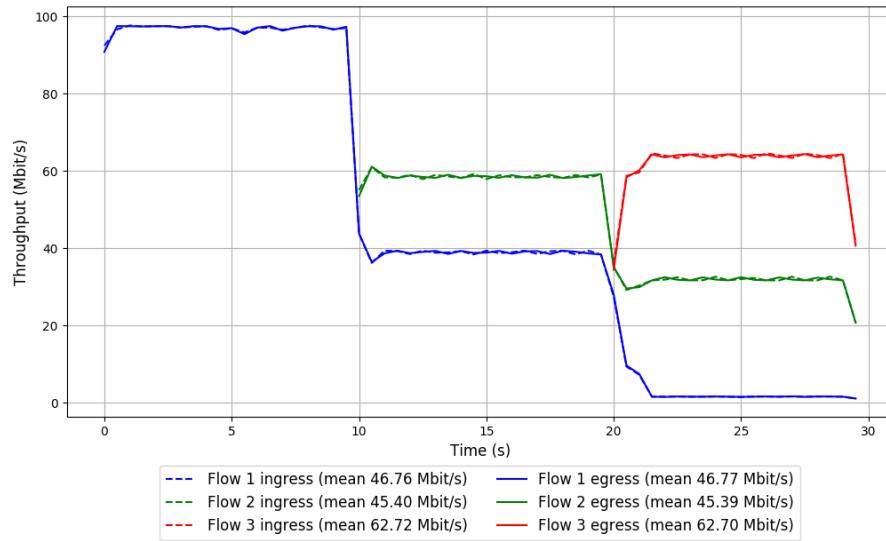


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-03-13 15:05:31
End at: 2018-03-13 15:06:01
Local clock offset: -6.843 ms
Remote clock offset: -6.63 ms

# Below is generated by plot.py at 2018-03-13 21:12:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 12.580 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 10.894 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 12.611 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 62.70 Mbit/s
95th percentile per-packet one-way delay: 13.487 ms
Loss rate: 0.16%
```

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

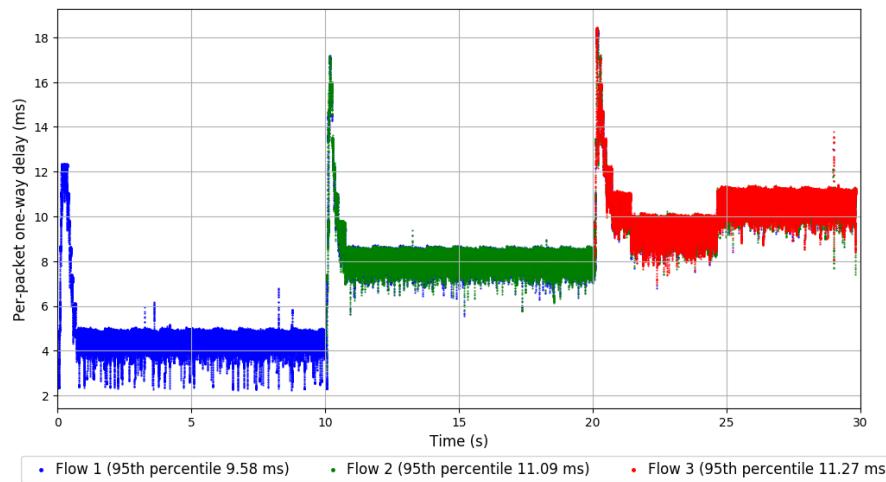
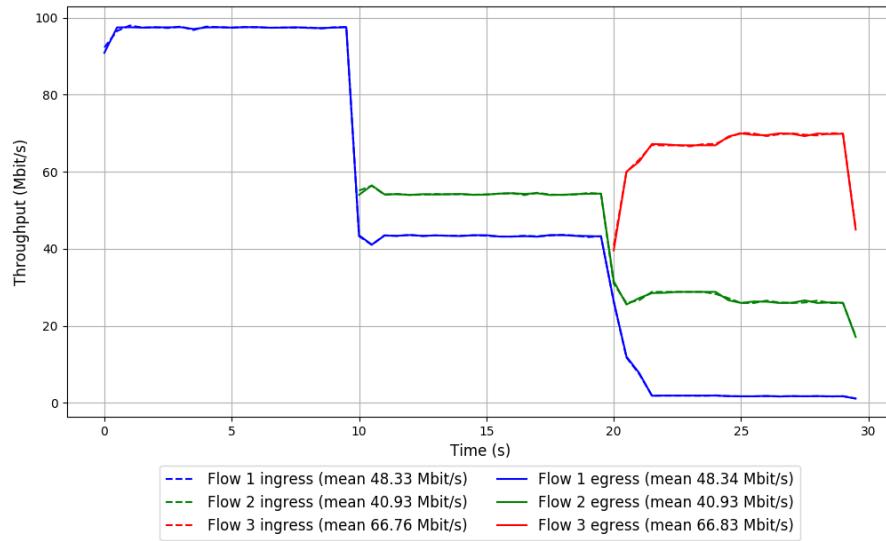


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-03-13 15:25:57
End at: 2018-03-13 15:26:27
Local clock offset: -2.482 ms
Remote clock offset: -6.715 ms

# Below is generated by plot.py at 2018-03-13 21:12:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 11.165 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 9.584 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.93 Mbit/s
95th percentile per-packet one-way delay: 11.093 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 66.83 Mbit/s
95th percentile per-packet one-way delay: 11.266 ms
Loss rate: 0.14%
```

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

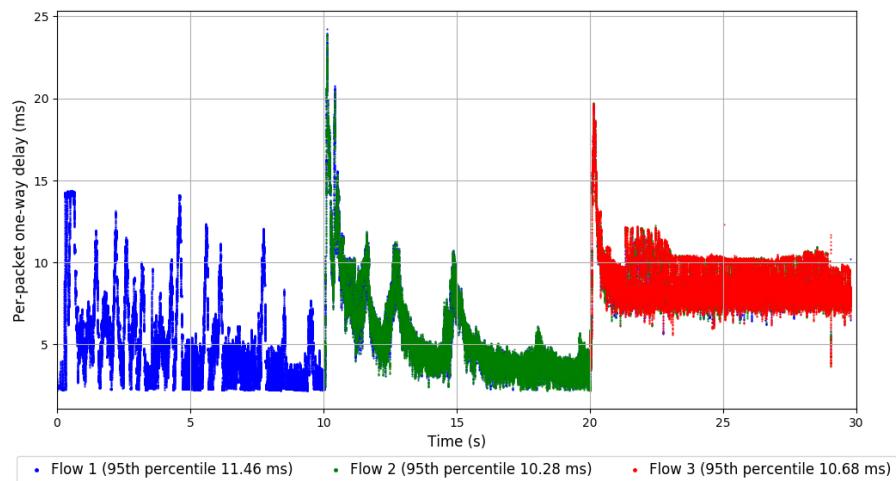
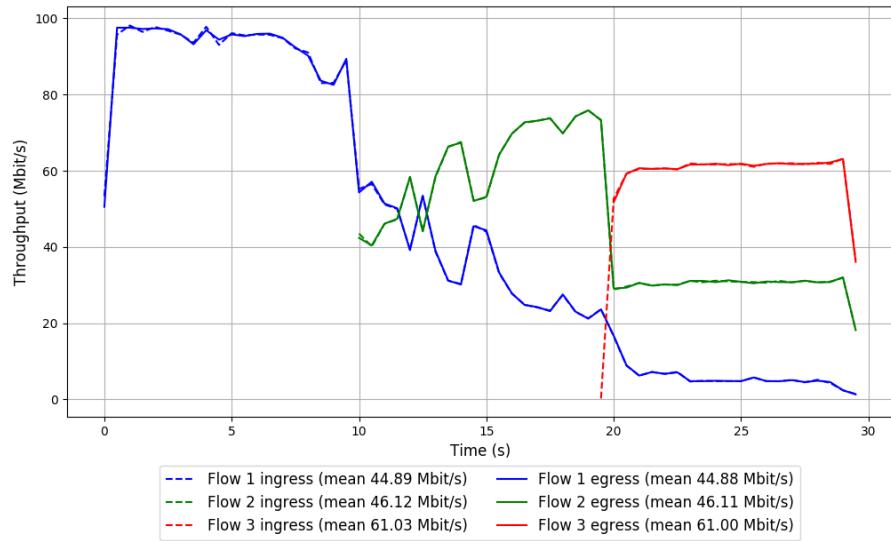


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-03-13 15:46:21
End at: 2018-03-13 15:46:51
Local clock offset: 0.327 ms
Remote clock offset: -6.857 ms

# Below is generated by plot.py at 2018-03-13 21:12:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.51 Mbit/s
95th percentile per-packet one-way delay: 10.844 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 44.88 Mbit/s
95th percentile per-packet one-way delay: 11.465 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 10.276 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 61.00 Mbit/s
95th percentile per-packet one-way delay: 10.679 ms
Loss rate: 0.12%
```

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

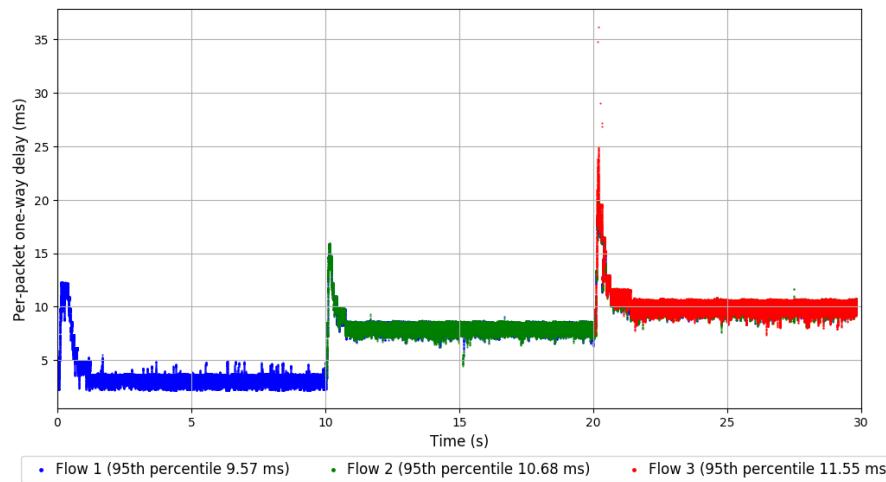
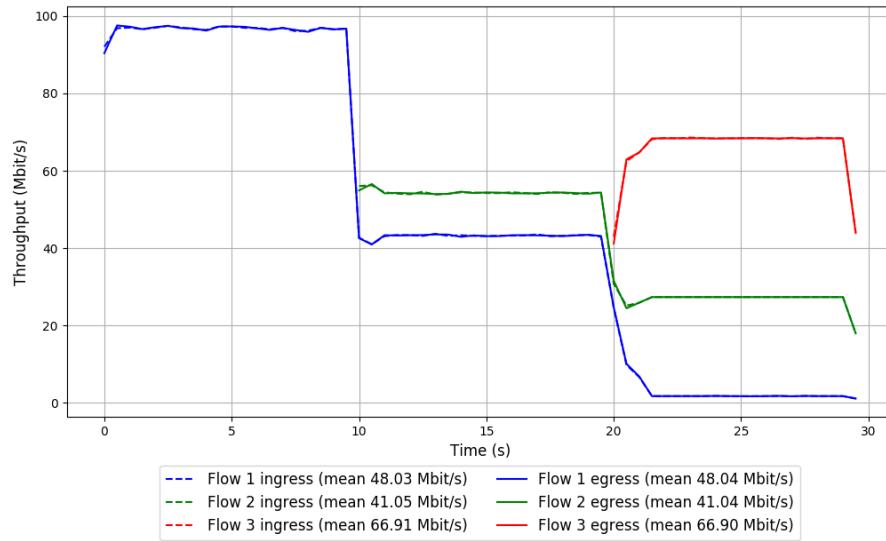


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-03-13 16:06:46
End at: 2018-03-13 16:07:16
Local clock offset: 2.37 ms
Remote clock offset: -6.642 ms

# Below is generated by plot.py at 2018-03-13 21:12:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 10.785 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 48.04 Mbit/s
95th percentile per-packet one-way delay: 9.569 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.04 Mbit/s
95th percentile per-packet one-way delay: 10.682 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 66.90 Mbit/s
95th percentile per-packet one-way delay: 11.547 ms
Loss rate: 0.11%
```

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

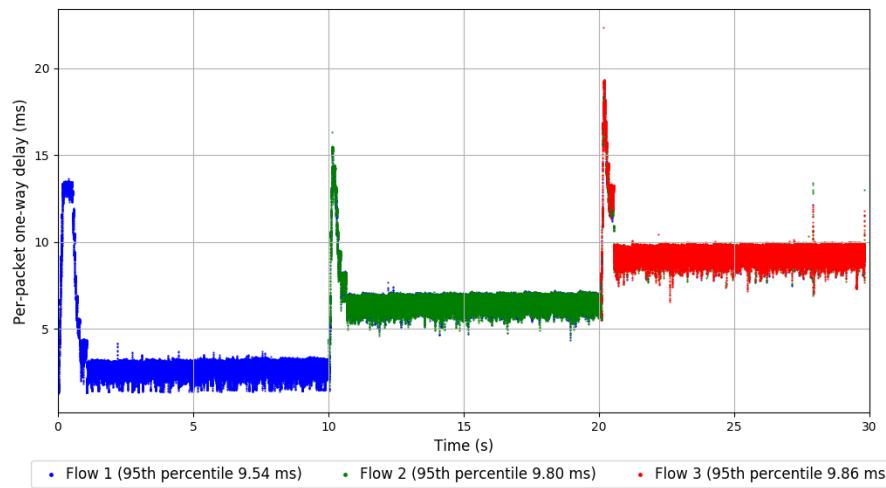
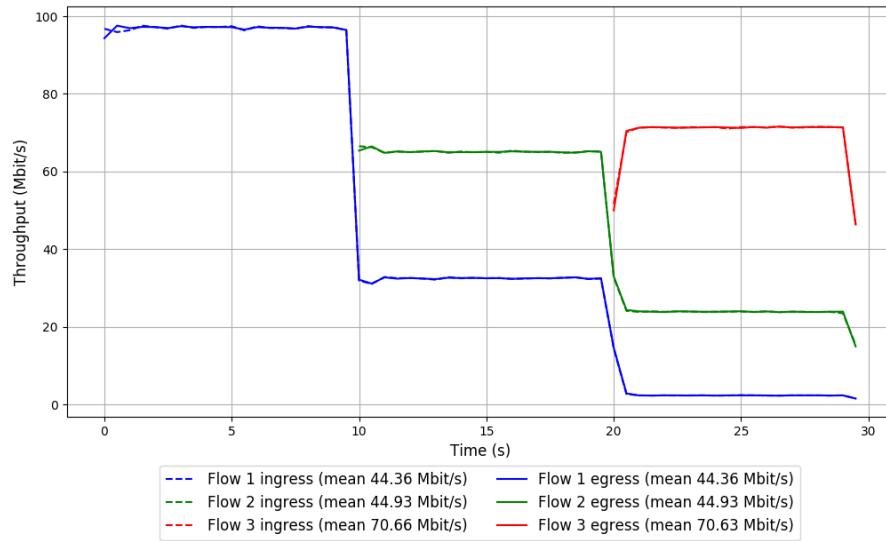


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-03-13 16:27:11
End at: 2018-03-13 16:27:41
Local clock offset: -0.234 ms
Remote clock offset: -6.539 ms

# Below is generated by plot.py at 2018-03-13 21:13:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 9.824 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 44.36 Mbit/s
95th percentile per-packet one-way delay: 9.540 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.93 Mbit/s
95th percentile per-packet one-way delay: 9.799 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 70.63 Mbit/s
95th percentile per-packet one-way delay: 9.864 ms
Loss rate: 0.10%
```

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

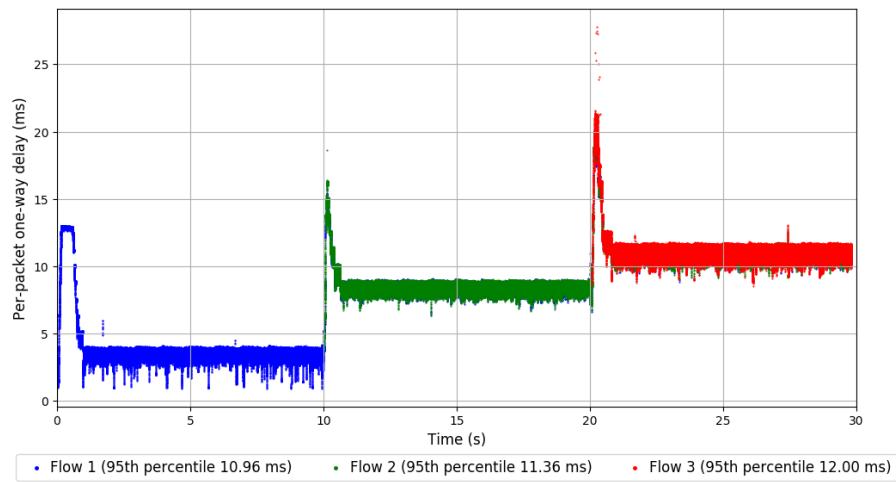
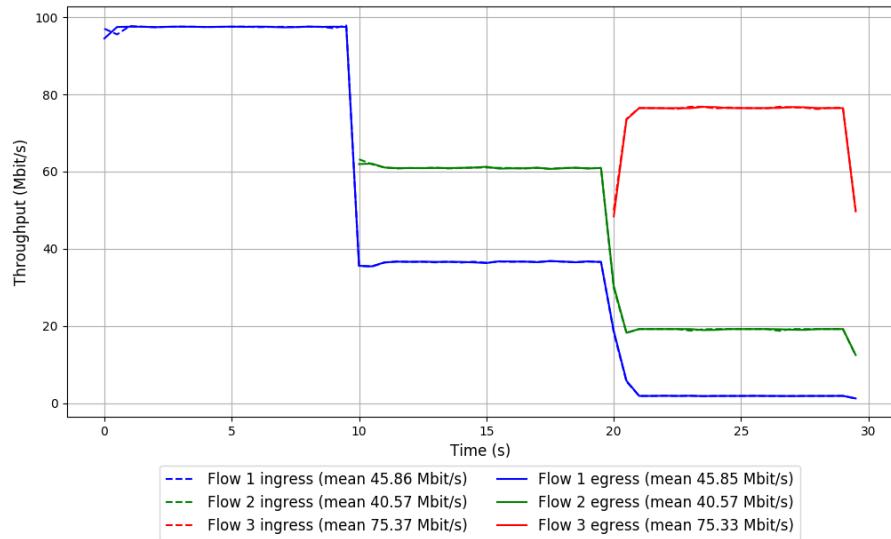


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-03-13 16:47:30
End at: 2018-03-13 16:48:00
Local clock offset: -7.204 ms
Remote clock offset: -6.391 ms

# Below is generated by plot.py at 2018-03-13 21:13:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 11.656 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 45.85 Mbit/s
95th percentile per-packet one-way delay: 10.963 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 11.362 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 75.33 Mbit/s
95th percentile per-packet one-way delay: 12.001 ms
Loss rate: 0.13%
```

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

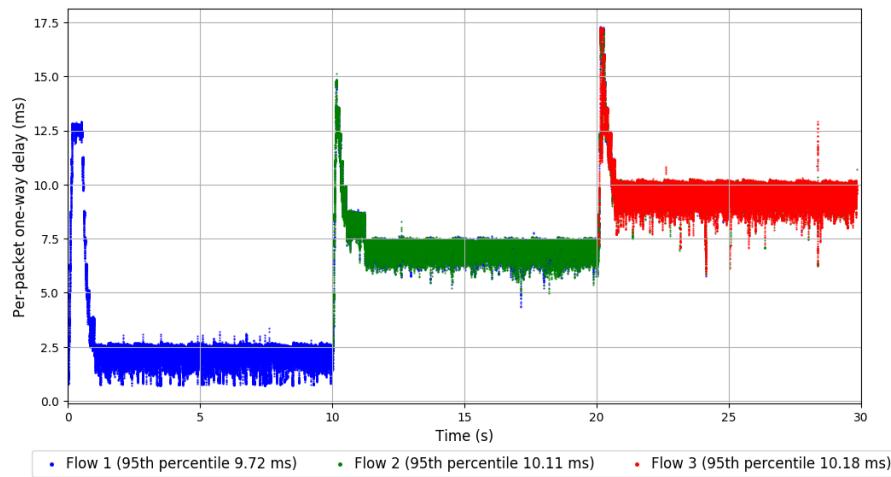
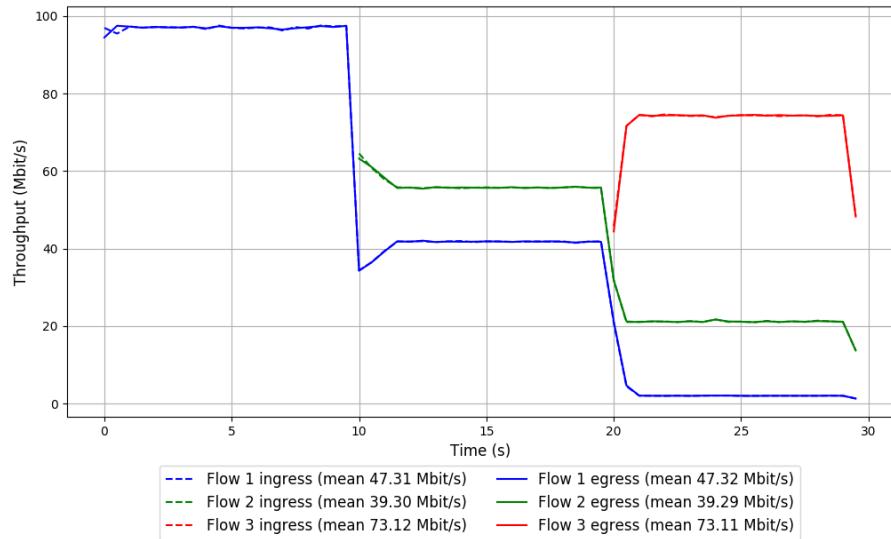


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-03-13 17:07:50
End at: 2018-03-13 17:08:20
Local clock offset: -4.831 ms
Remote clock offset: -6.359 ms

# Below is generated by plot.py at 2018-03-13 21:13:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 10.126 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 47.32 Mbit/s
95th percentile per-packet one-way delay: 9.724 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.29 Mbit/s
95th percentile per-packet one-way delay: 10.114 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 73.11 Mbit/s
95th percentile per-packet one-way delay: 10.177 ms
Loss rate: 0.11%
```

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

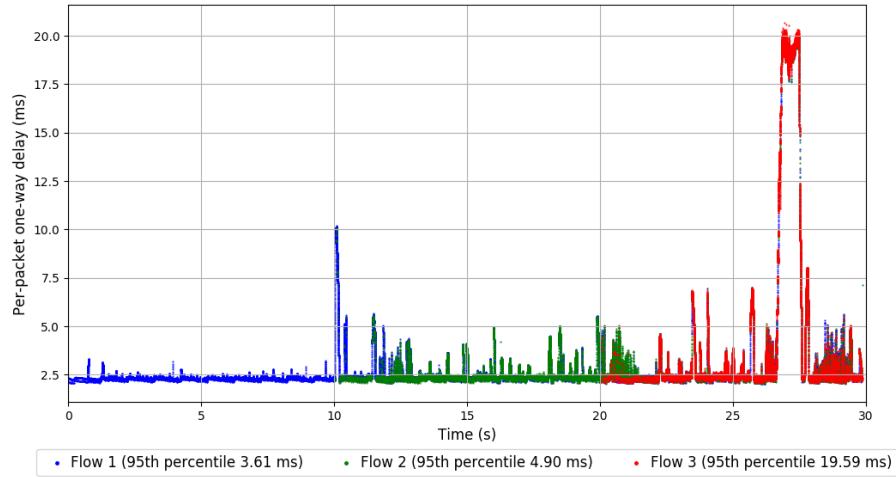
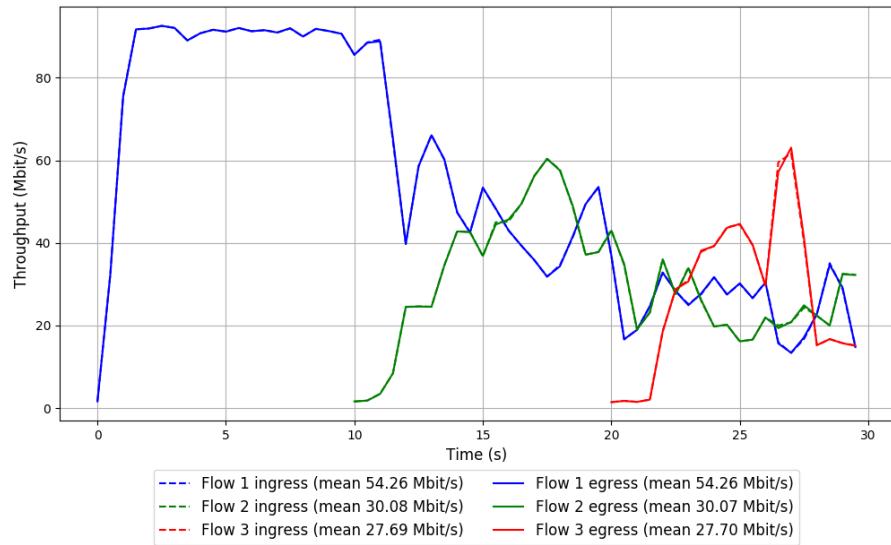


Run 1: Statistics of Vivace-latency

```
Start at: 2018-03-13 14:17:49
End at: 2018-03-13 14:18:19
Local clock offset: -5.925 ms
Remote clock offset: -6.858 ms

# Below is generated by plot.py at 2018-03-13 21:13:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.35 Mbit/s
95th percentile per-packet one-way delay: 5.745 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.26 Mbit/s
95th percentile per-packet one-way delay: 3.608 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 4.904 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 27.70 Mbit/s
95th percentile per-packet one-way delay: 19.588 ms
Loss rate: 0.04%
```

Run 1: Report of Vivace-latency — Data Link

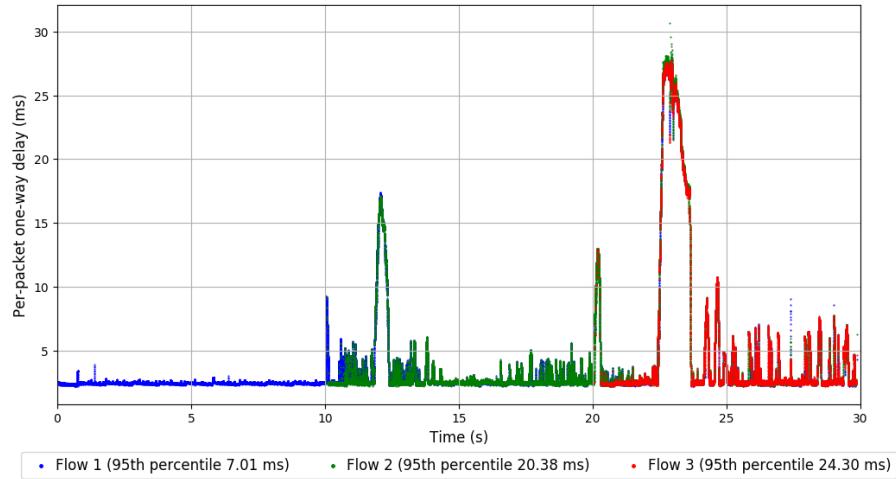
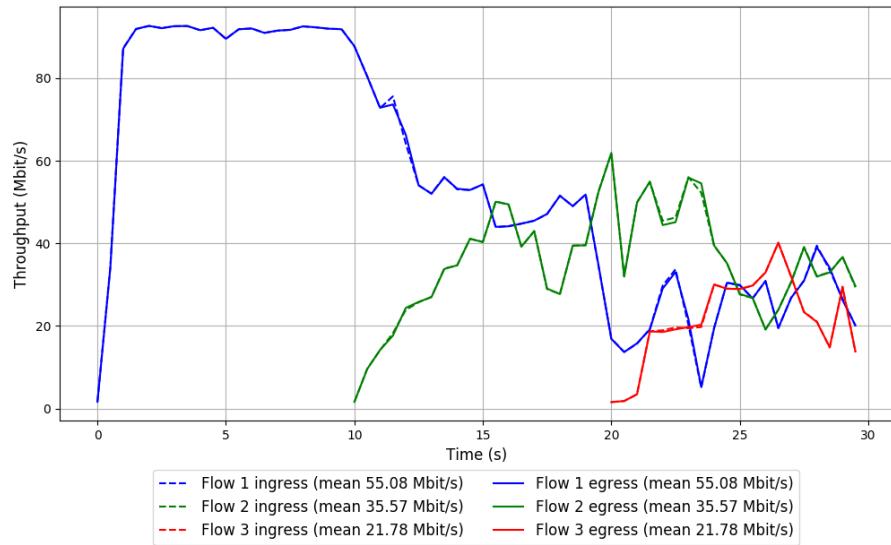


Run 2: Statistics of Vivace-latency

```
Start at: 2018-03-13 14:38:16
End at: 2018-03-13 14:38:46
Local clock offset: -5.543 ms
Remote clock offset: -6.694 ms

# Below is generated by plot.py at 2018-03-13 21:13:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.88 Mbit/s
95th percentile per-packet one-way delay: 14.684 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 55.08 Mbit/s
95th percentile per-packet one-way delay: 7.009 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.57 Mbit/s
95th percentile per-packet one-way delay: 20.384 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 21.78 Mbit/s
95th percentile per-packet one-way delay: 24.304 ms
Loss rate: 0.04%
```

Run 2: Report of Vivace-latency — Data Link

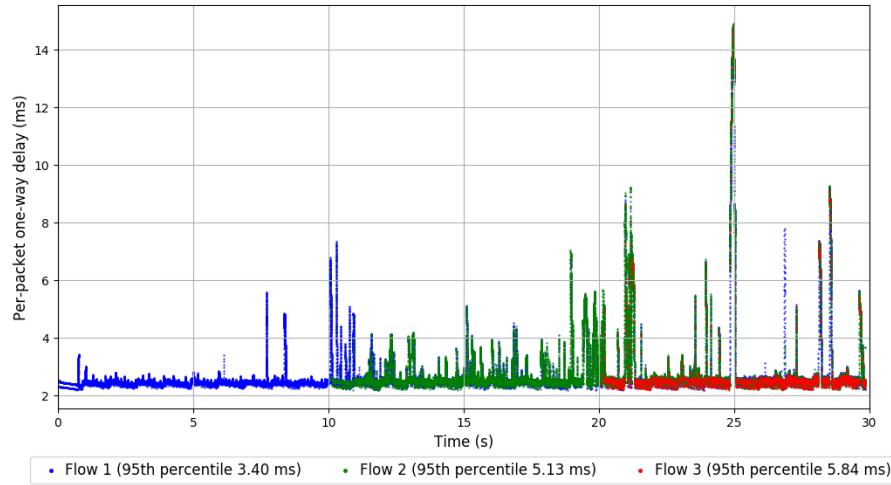
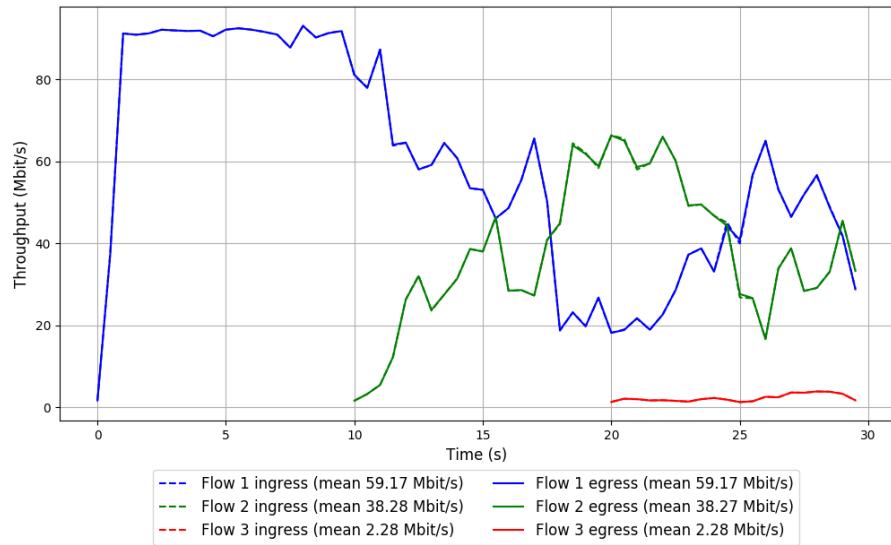


Run 3: Statistics of Vivace-latency

```
Start at: 2018-03-13 14:58:40
End at: 2018-03-13 14:59:10
Local clock offset: -6.643 ms
Remote clock offset: -6.62 ms

# Below is generated by plot.py at 2018-03-13 21:13:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.35 Mbit/s
95th percentile per-packet one-way delay: 4.006 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.17 Mbit/s
95th percentile per-packet one-way delay: 3.405 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.27 Mbit/s
95th percentile per-packet one-way delay: 5.131 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 5.836 ms
Loss rate: 0.00%
```

Run 3: Report of Vivace-latency — Data Link

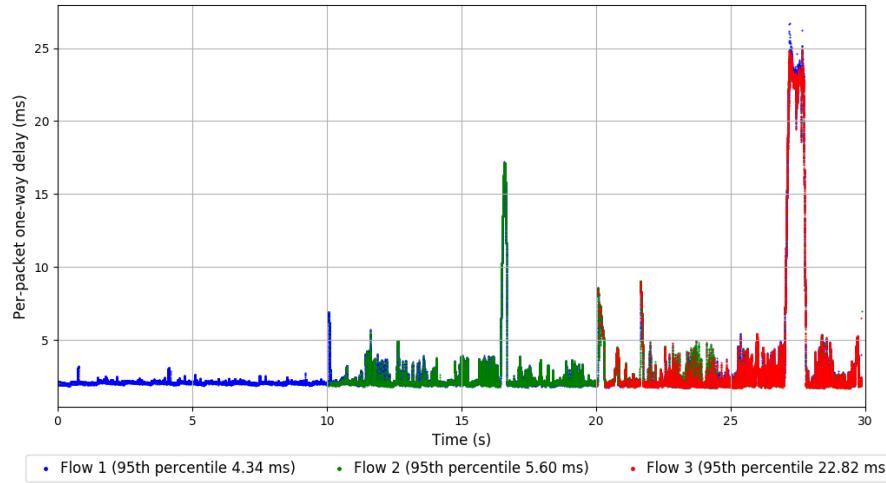
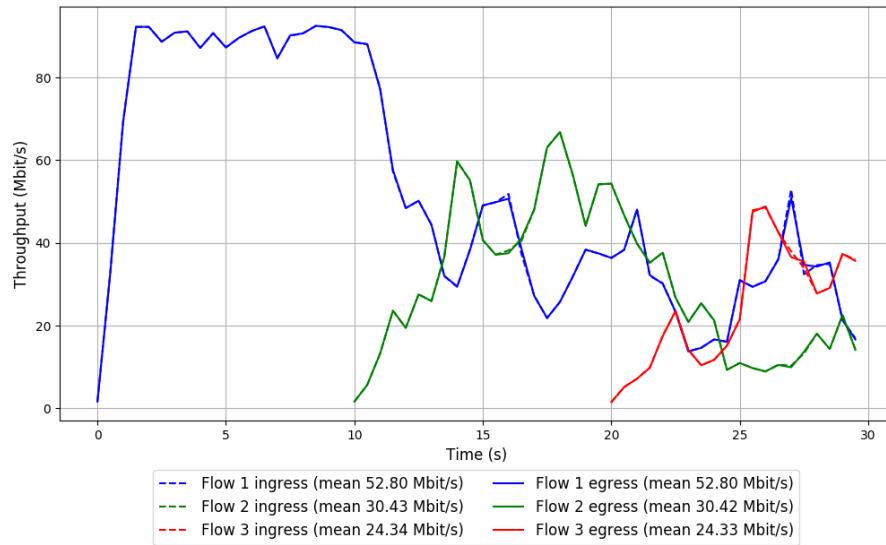


Run 4: Statistics of Vivace-latency

```
Start at: 2018-03-13 15:19:06
End at: 2018-03-13 15:19:36
Local clock offset: -4.737 ms
Remote clock offset: -6.693 ms

# Below is generated by plot.py at 2018-03-13 21:14:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.02 Mbit/s
95th percentile per-packet one-way delay: 5.762 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 52.80 Mbit/s
95th percentile per-packet one-way delay: 4.337 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 5.596 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 22.820 ms
Loss rate: 0.10%
```

Run 4: Report of Vivace-latency — Data Link

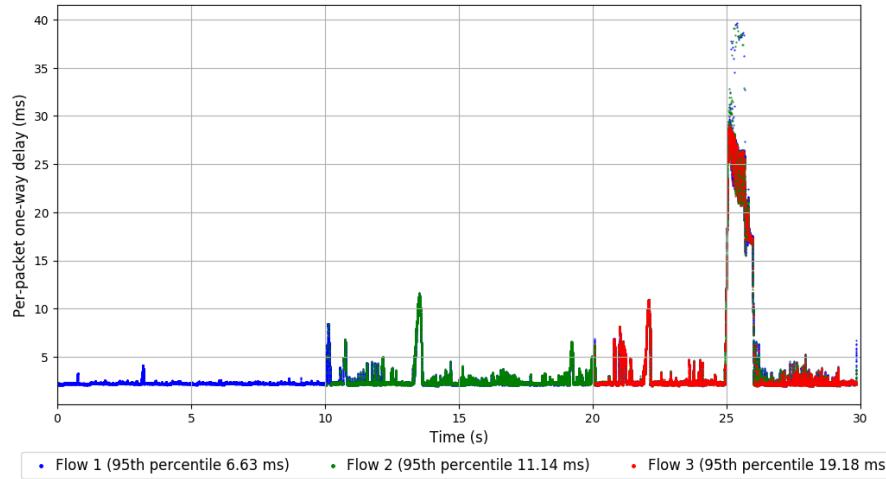
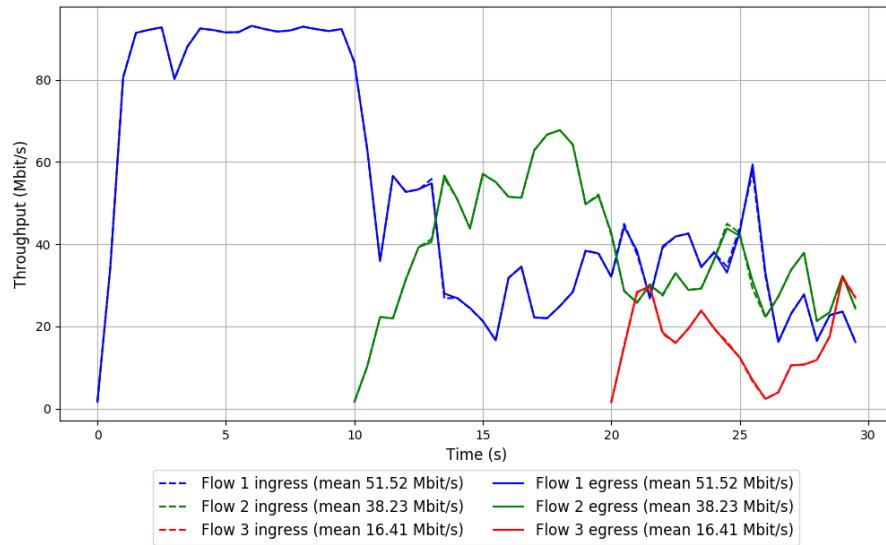


Run 5: Statistics of Vivace-latency

```
Start at: 2018-03-13 15:39:30
End at: 2018-03-13 15:40:00
Local clock offset: -0.421 ms
Remote clock offset: -6.821 ms

# Below is generated by plot.py at 2018-03-13 21:14:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.33 Mbit/s
95th percentile per-packet one-way delay: 8.717 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 51.52 Mbit/s
95th percentile per-packet one-way delay: 6.634 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 11.144 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 16.41 Mbit/s
95th percentile per-packet one-way delay: 19.177 ms
Loss rate: 0.11%
```

Run 5: Report of Vivace-latency — Data Link

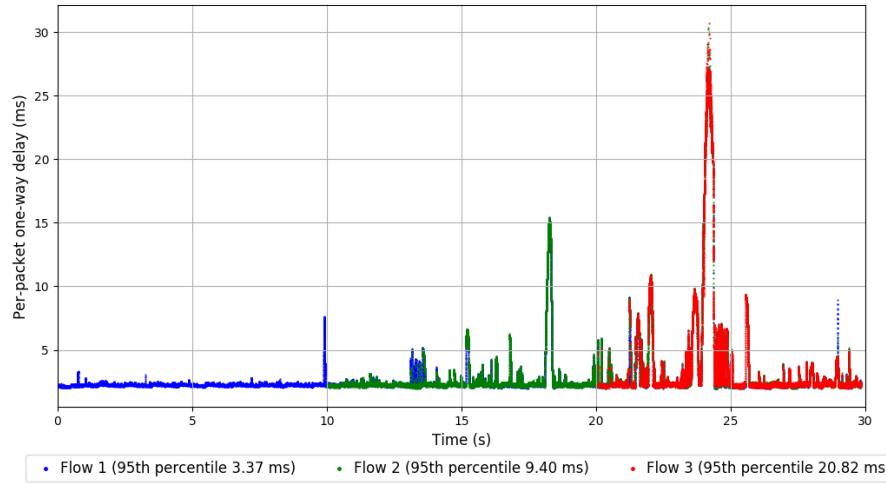
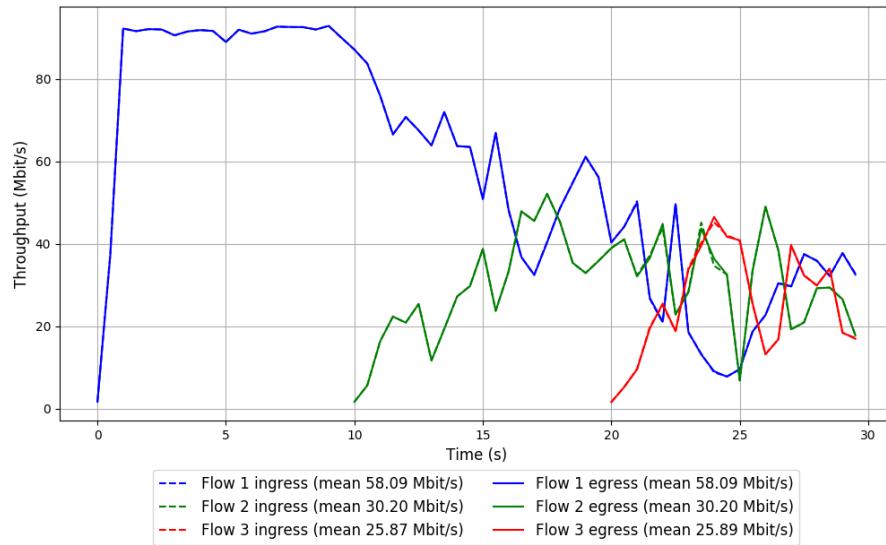


Run 6: Statistics of Vivace-latency

```
Start at: 2018-03-13 15:59:55
End at: 2018-03-13 16:00:25
Local clock offset: 1.723 ms
Remote clock offset: -6.835 ms

# Below is generated by plot.py at 2018-03-13 21:14:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 6.353 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 58.09 Mbit/s
95th percentile per-packet one-way delay: 3.373 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.20 Mbit/s
95th percentile per-packet one-way delay: 9.405 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 25.89 Mbit/s
95th percentile per-packet one-way delay: 20.818 ms
Loss rate: 0.05%
```

Run 6: Report of Vivace-latency — Data Link

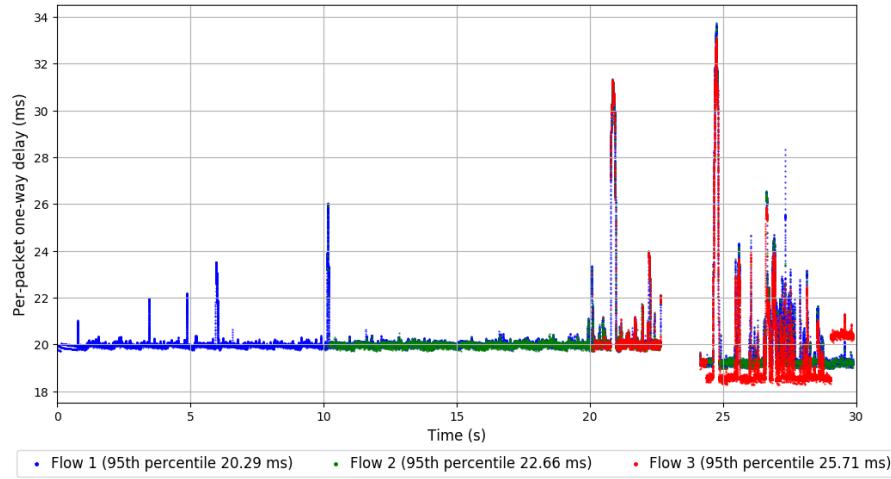
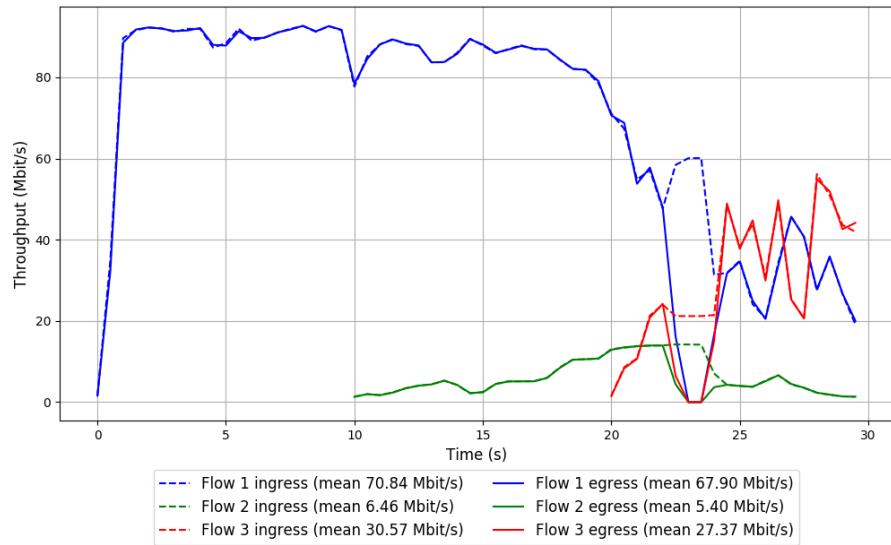


Run 7: Statistics of Vivace-latency

```
Start at: 2018-03-13 16:20:22
End at: 2018-03-13 16:20:52
Local clock offset: 3.599 ms
Remote clock offset: -24.216 ms

# Below is generated by plot.py at 2018-03-13 21:14:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.49 Mbit/s
95th percentile per-packet one-way delay: 20.901 ms
Loss rate: 5.56%
-- Flow 1:
Average throughput: 67.90 Mbit/s
95th percentile per-packet one-way delay: 20.294 ms
Loss rate: 4.20%
-- Flow 2:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 22.655 ms
Loss rate: 16.39%
-- Flow 3:
Average throughput: 27.37 Mbit/s
95th percentile per-packet one-way delay: 25.710 ms
Loss rate: 10.50%
```

Run 7: Report of Vivace-latency — Data Link

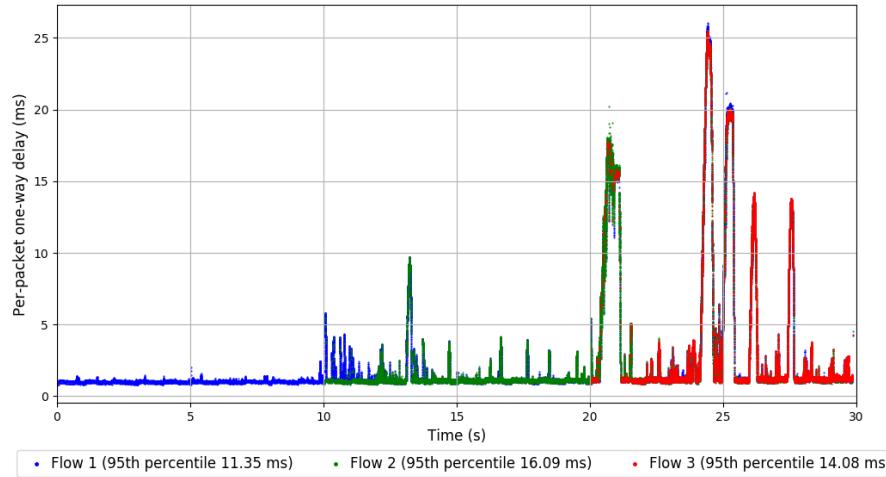
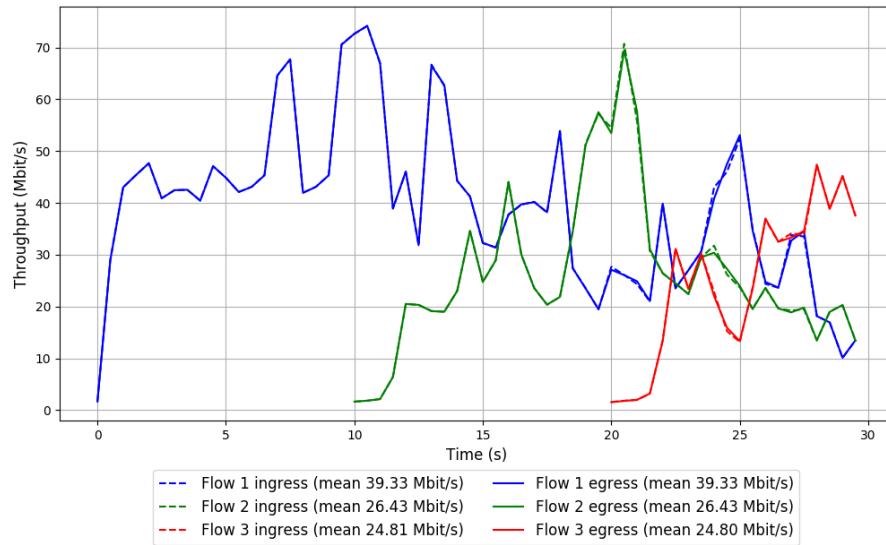


Run 8: Statistics of Vivace-latency

```
Start at: 2018-03-13 16:40:42
End at: 2018-03-13 16:41:12
Local clock offset: -5.961 ms
Remote clock offset: -6.401 ms

# Below is generated by plot.py at 2018-03-13 21:14:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.06 Mbit/s
95th percentile per-packet one-way delay: 15.186 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 39.33 Mbit/s
95th percentile per-packet one-way delay: 11.352 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.43 Mbit/s
95th percentile per-packet one-way delay: 16.095 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 14.080 ms
Loss rate: 0.03%
```

Run 8: Report of Vivace-latency — Data Link

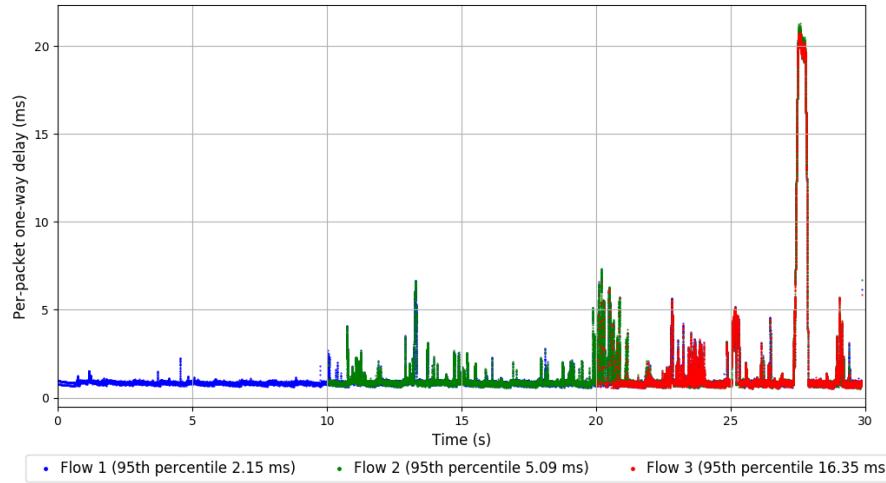
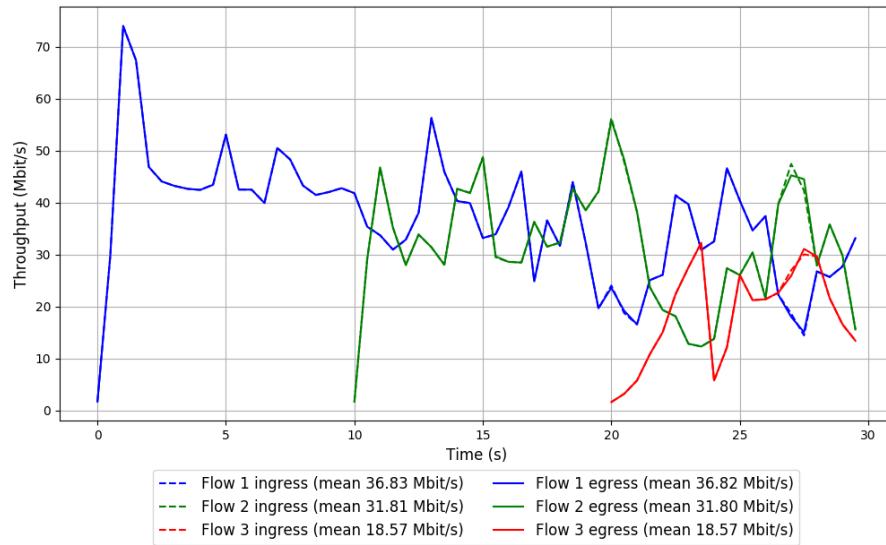


Run 9: Statistics of Vivace-latency

```
Start at: 2018-03-13 17:01:03
End at: 2018-03-13 17:01:33
Local clock offset: -6.349 ms
Remote clock offset: -6.435 ms

# Below is generated by plot.py at 2018-03-13 21:14:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.08 Mbit/s
95th percentile per-packet one-way delay: 3.867 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 2.147 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 5.086 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 18.57 Mbit/s
95th percentile per-packet one-way delay: 16.350 ms
Loss rate: 0.02%
```

Run 9: Report of Vivace-latency — Data Link

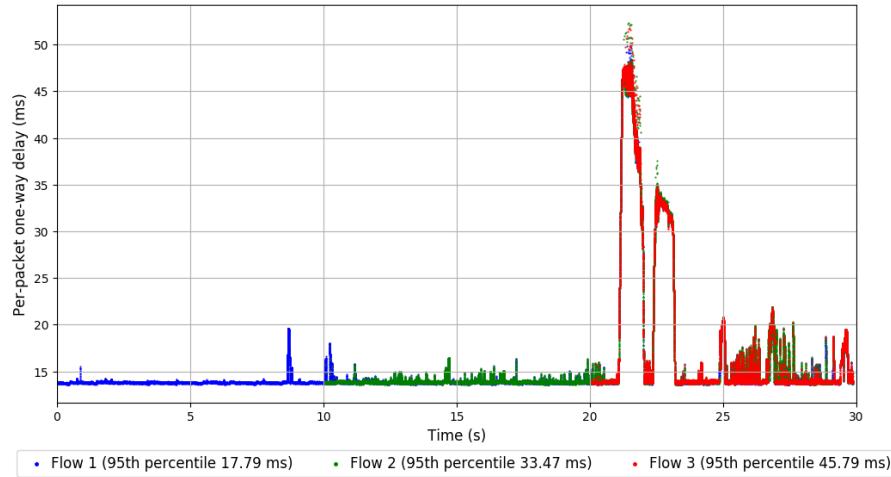
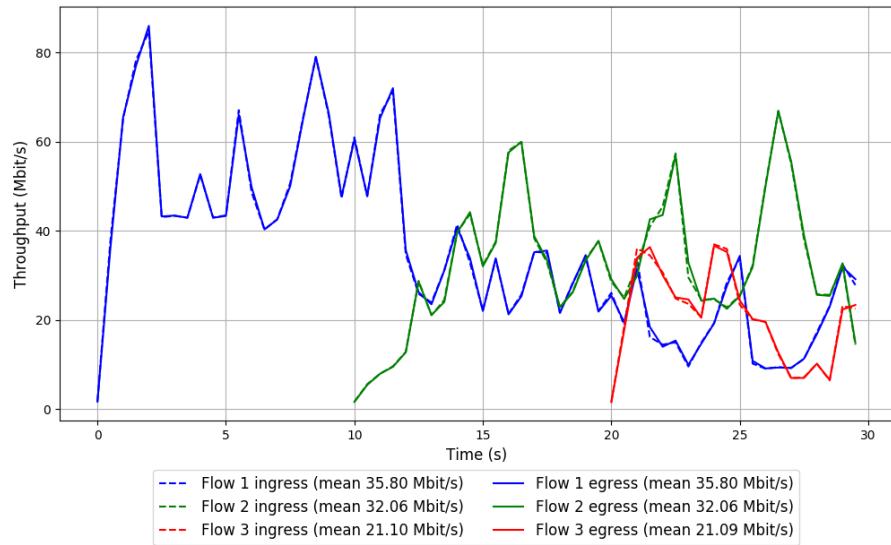


Run 10: Statistics of Vivace-latency

```
Start at: 2018-03-13 17:21:21
End at: 2018-03-13 17:21:51
Local clock offset: -3.871 ms
Remote clock offset: -19.936 ms

# Below is generated by plot.py at 2018-03-13 21:14:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.04 Mbit/s
95th percentile per-packet one-way delay: 32.970 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.80 Mbit/s
95th percentile per-packet one-way delay: 17.794 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.06 Mbit/s
95th percentile per-packet one-way delay: 33.466 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 45.790 ms
Loss rate: 0.03%
```

Run 10: Report of Vivace-latency — Data Link

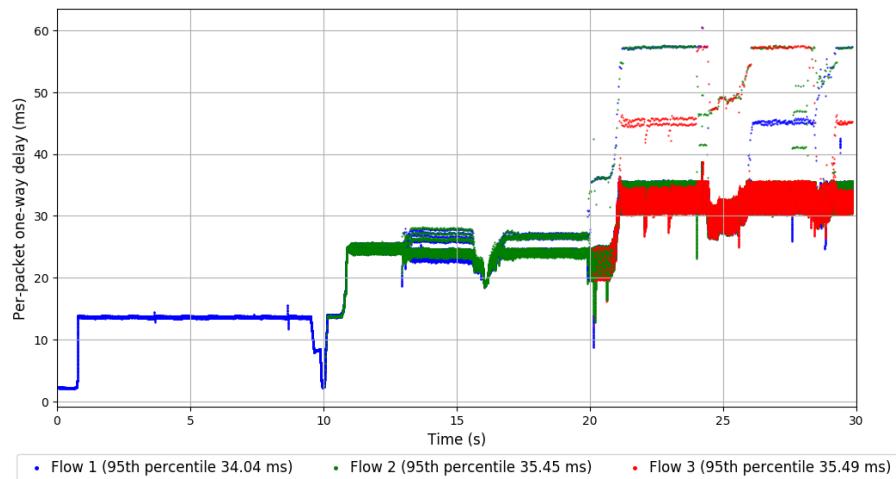
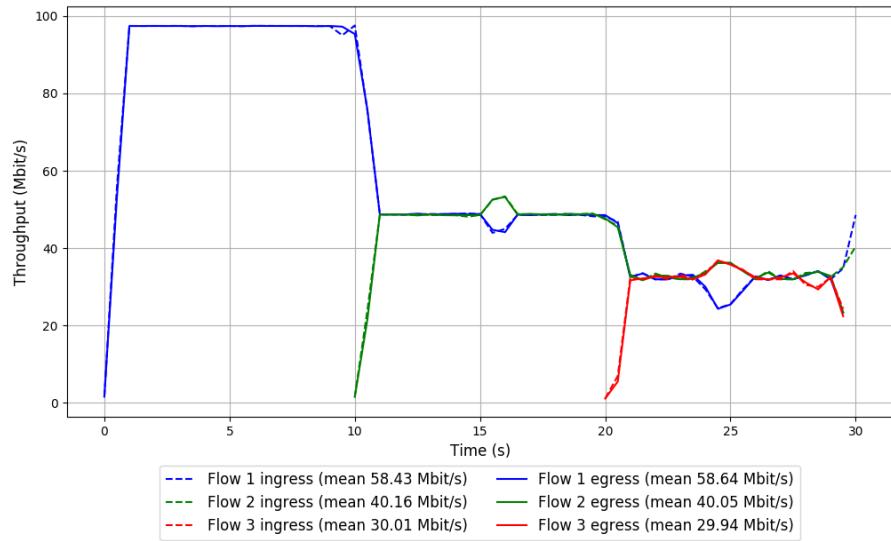


```
Run 1: Statistics of Vivace-loss
```

```
Start at: 2018-03-13 14:08:51
End at: 2018-03-13 14:09:21
Local clock offset: -6.257 ms
Remote clock offset: -6.821 ms

# Below is generated by plot.py at 2018-03-13 21:15:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 35.351 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 58.64 Mbit/s
95th percentile per-packet one-way delay: 34.039 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 35.447 ms
Loss rate: 3.30%
-- Flow 3:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 35.492 ms
Loss rate: 0.69%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-03-13 14:29:21

End at: 2018-03-13 14:29:51

Local clock offset: -5.651 ms

Remote clock offset: -6.759 ms

Run 2: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Vivace-loss

Start at: 2018-03-13 14:49:45

End at: 2018-03-13 14:50:15

Local clock offset: -6.339 ms

Remote clock offset: -6.571 ms

Run 3: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Vivace-loss

Start at: 2018-03-13 15:10:10

End at: 2018-03-13 15:10:40

Local clock offset: -6.833 ms

Remote clock offset: -6.67 ms

Run 4: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Vivace-loss

Start at: 2018-03-13 15:30:36

End at: 2018-03-13 15:31:06

Local clock offset: -1.641 ms

Remote clock offset: -6.78 ms

Run 5: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Vivace-loss

Start at: 2018-03-13 15:51:00

End at: 2018-03-13 15:51:30

Local clock offset: 0.875 ms

Remote clock offset: -6.877 ms

Run 6: Report of Vivace-loss — Data Link

Figure is missing

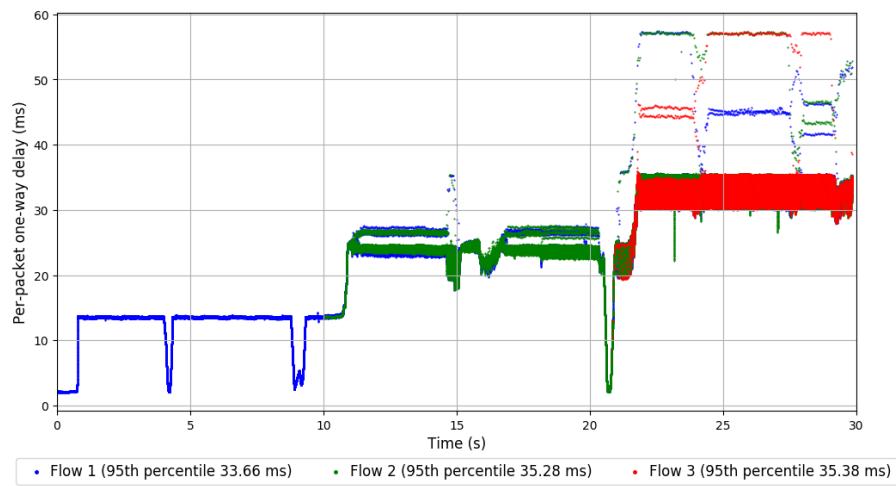
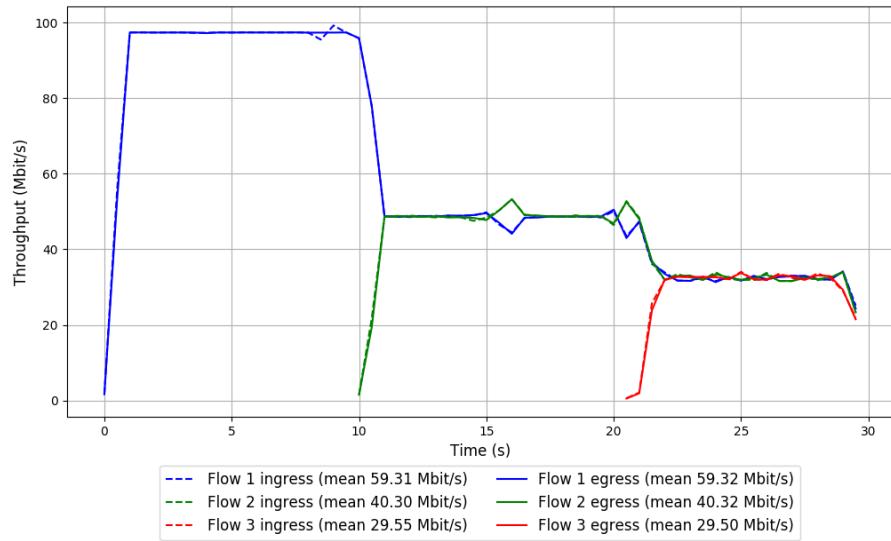
Figure is missing

Run 7: Statistics of Vivace-loss

```
Start at: 2018-03-13 16:11:26
End at: 2018-03-13 16:11:56
Local clock offset: 2.727 ms
Remote clock offset: -6.561 ms

# Below is generated by plot.py at 2018-03-13 21:15:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 35.202 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.32 Mbit/s
95th percentile per-packet one-way delay: 33.655 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 35.283 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 35.376 ms
Loss rate: 0.43%
```

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-03-13 16:31:50

End at: 2018-03-13 16:32:20

Local clock offset: -3.098 ms

Remote clock offset: -6.452 ms

Run 8: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Vivace-loss

Start at: 2018-03-13 16:52:09

End at: 2018-03-13 16:52:39

Local clock offset: -7.913 ms

Remote clock offset: -6.407 ms

Run 9: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Vivace-loss

Start at: 2018-03-13 17:12:29

End at: 2018-03-13 17:12:59

Local clock offset: -4.197 ms

Remote clock offset: -6.576 ms

Run 10: Report of Vivace-loss — Data Link

Figure is missing

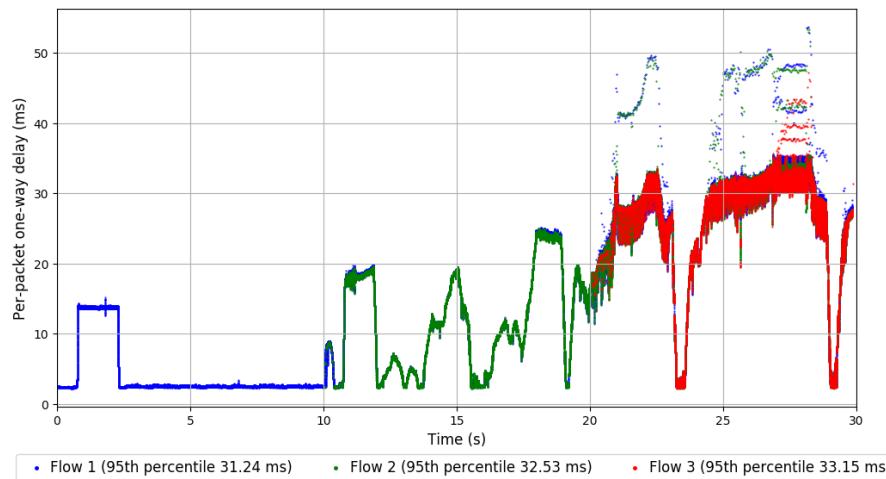
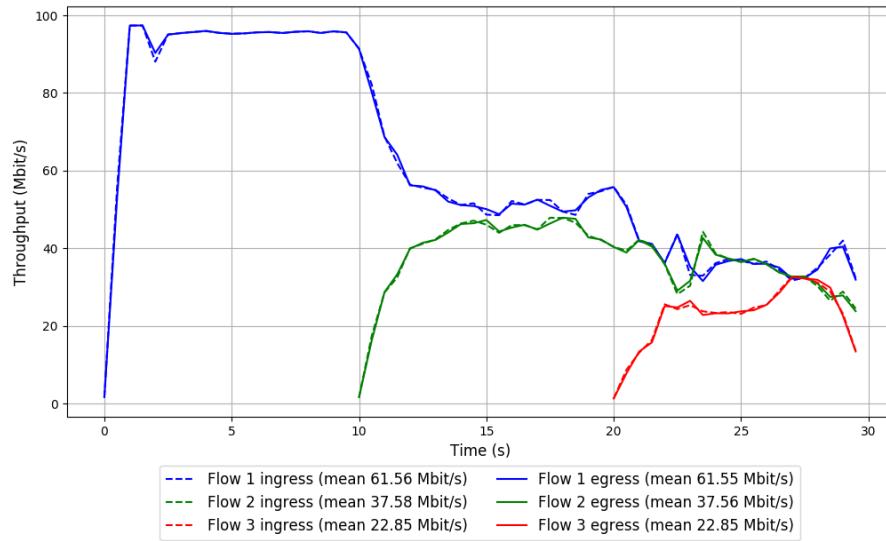
Figure is missing

Run 1: Statistics of Vivace-LTE

```
Start at: 2018-03-13 14:07:42
End at: 2018-03-13 14:08:12
Local clock offset: -6.262 ms
Remote clock offset: -6.906 ms

# Below is generated by plot.py at 2018-03-13 21:15:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 32.093 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 31.241 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 32.526 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 22.85 Mbit/s
95th percentile per-packet one-way delay: 33.152 ms
Loss rate: 0.25%
```

Run 1: Report of Vivace-LTE — Data Link

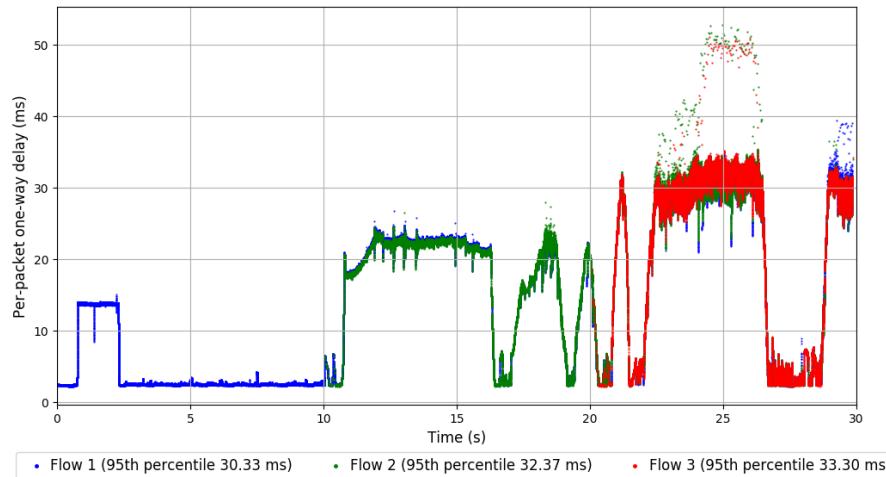
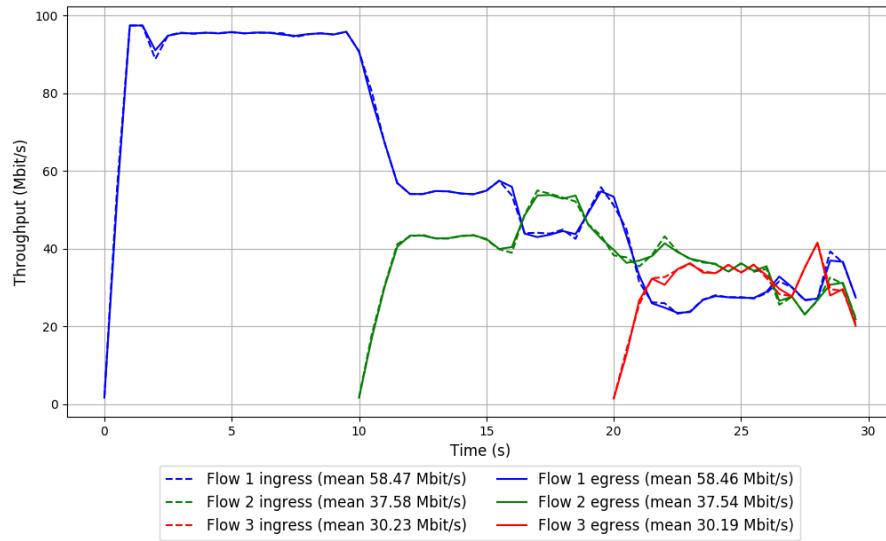


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-03-13 14:28:11
End at: 2018-03-13 14:28:41
Local clock offset: -5.643 ms
Remote clock offset: -6.715 ms

# Below is generated by plot.py at 2018-03-13 21:16:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.32 Mbit/s
95th percentile per-packet one-way delay: 32.013 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.46 Mbit/s
95th percentile per-packet one-way delay: 30.328 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 32.373 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.19 Mbit/s
95th percentile per-packet one-way delay: 33.305 ms
Loss rate: 0.32%
```

Run 2: Report of Vivace-LTE — Data Link

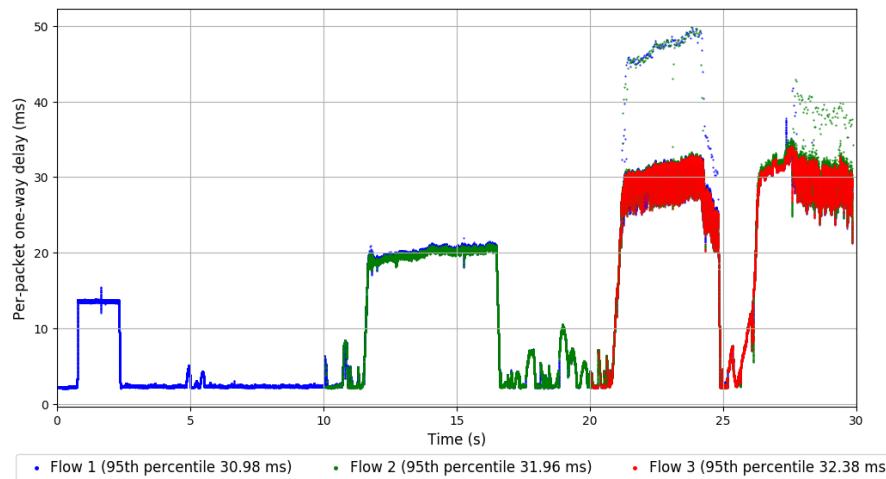
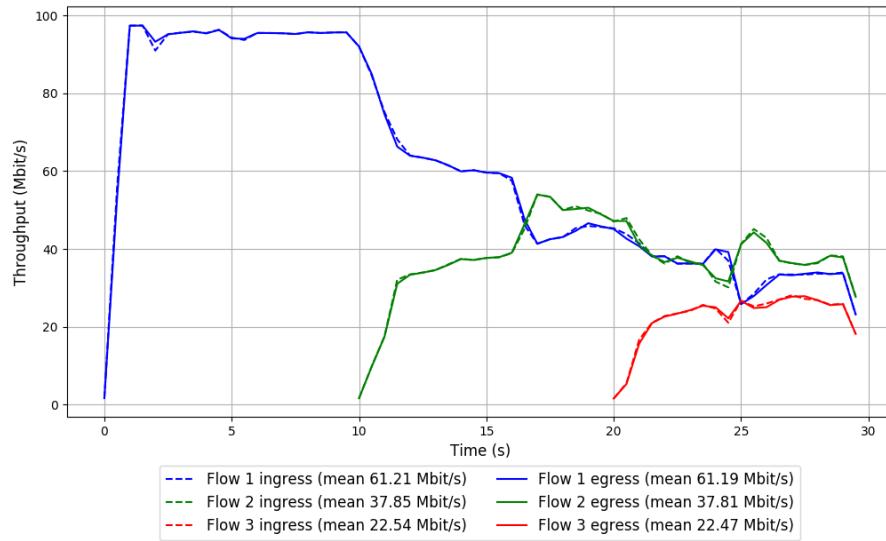


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-03-13 14:48:35
End at: 2018-03-13 14:49:05
Local clock offset: -6.442 ms
Remote clock offset: -6.587 ms

# Below is generated by plot.py at 2018-03-13 21:16:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 31.597 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 30.981 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 31.960 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 22.47 Mbit/s
95th percentile per-packet one-way delay: 32.385 ms
Loss rate: 0.35%
```

Run 3: Report of Vivace-LTE — Data Link

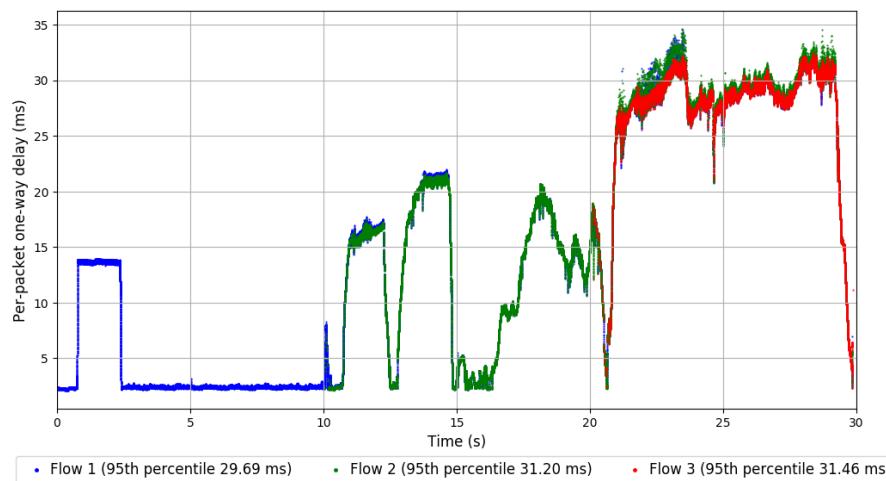
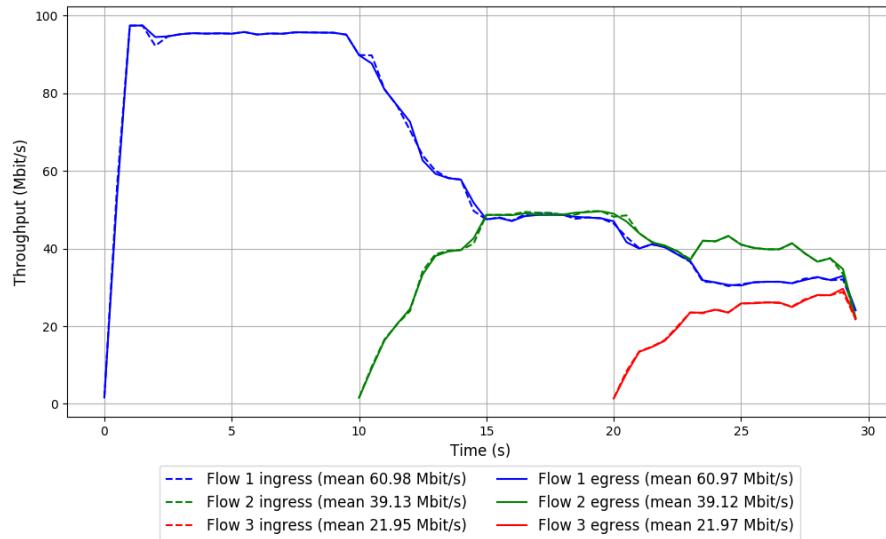


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-03-13 15:09:01
End at: 2018-03-13 15:09:31
Local clock offset: -6.927 ms
Remote clock offset: -6.674 ms

# Below is generated by plot.py at 2018-03-13 21:16:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 30.815 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 60.97 Mbit/s
95th percentile per-packet one-way delay: 29.689 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 31.201 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 21.97 Mbit/s
95th percentile per-packet one-way delay: 31.464 ms
Loss rate: 0.13%
```

Run 4: Report of Vivace-LTE — Data Link

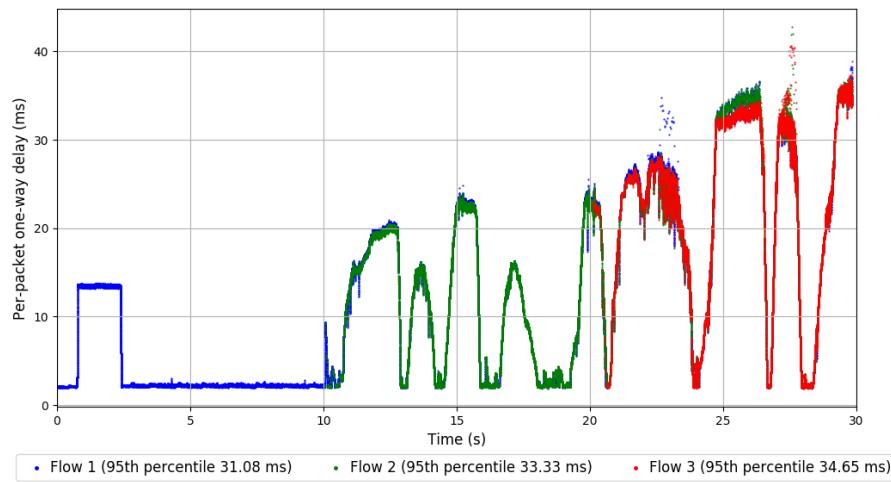
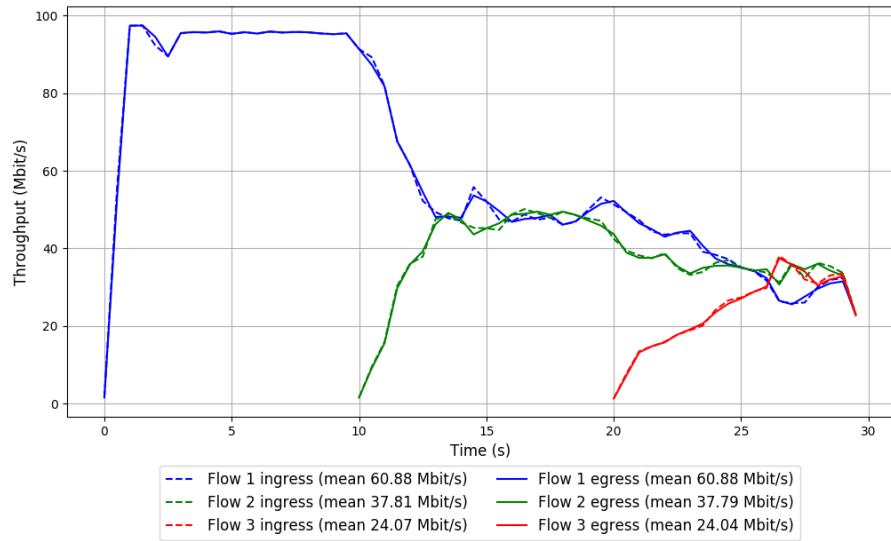


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-03-13 15:29:26
End at: 2018-03-13 15:29:56
Local clock offset: -1.939 ms
Remote clock offset: -6.702 ms

# Below is generated by plot.py at 2018-03-13 21:16:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 32.893 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 60.88 Mbit/s
95th percentile per-packet one-way delay: 31.076 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 33.327 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 34.647 ms
Loss rate: 0.52%
```

Run 5: Report of Vivace-LTE — Data Link

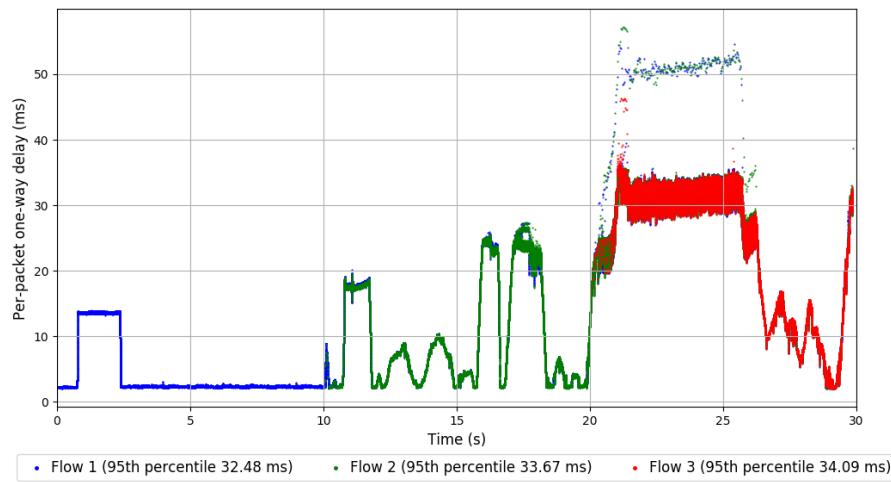
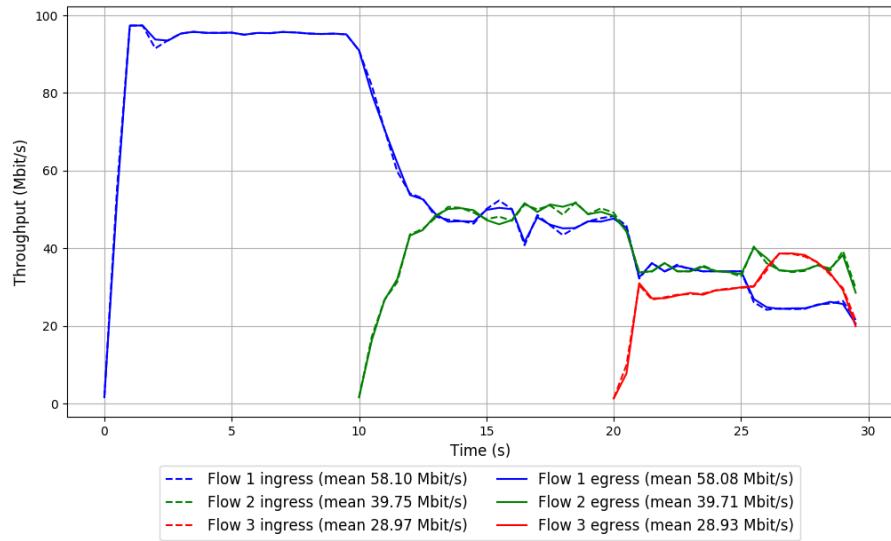


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-03-13 15:49:50
End at: 2018-03-13 15:50:20
Local clock offset: 0.771 ms
Remote clock offset: -6.811 ms

# Below is generated by plot.py at 2018-03-13 21:16:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 33.459 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.08 Mbit/s
95th percentile per-packet one-way delay: 32.475 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 33.667 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 34.093 ms
Loss rate: 0.39%
```

Run 6: Report of Vivace-LTE — Data Link

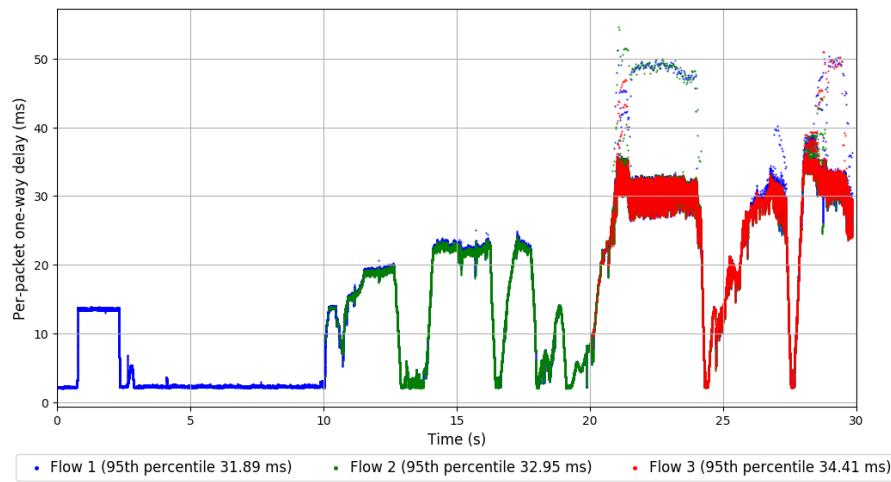
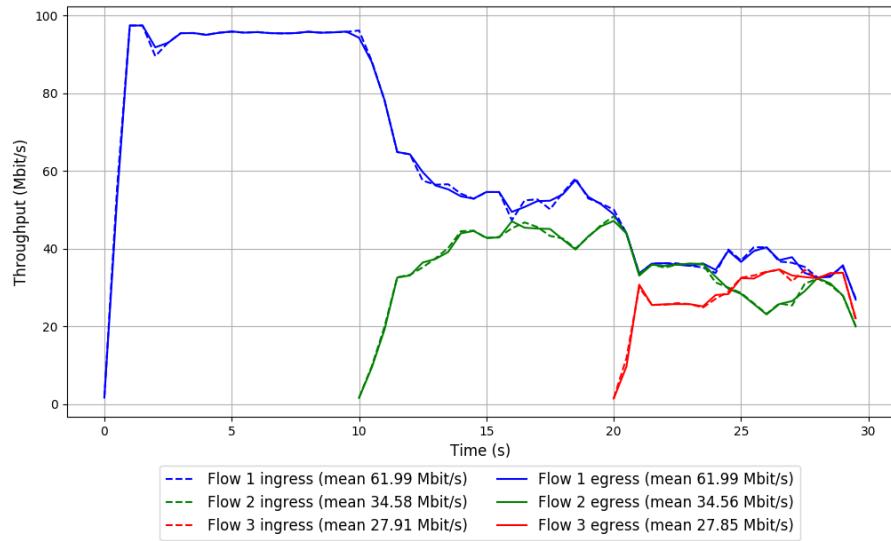


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-03-13 16:10:16
End at: 2018-03-13 16:10:46
Local clock offset: 2.71 ms
Remote clock offset: -6.568 ms

# Below is generated by plot.py at 2018-03-13 21:16:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 32.623 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 31.887 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.56 Mbit/s
95th percentile per-packet one-way delay: 32.949 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 27.85 Mbit/s
95th percentile per-packet one-way delay: 34.410 ms
Loss rate: 0.33%
```

Run 7: Report of Vivace-LTE — Data Link

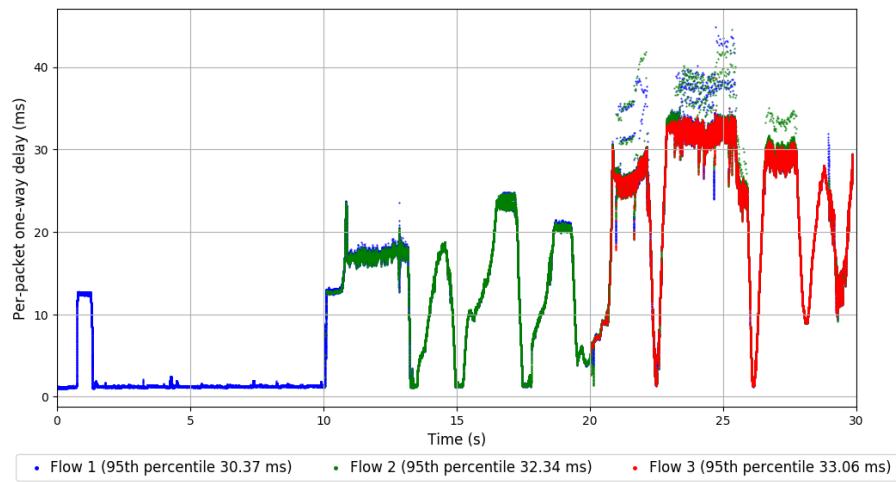
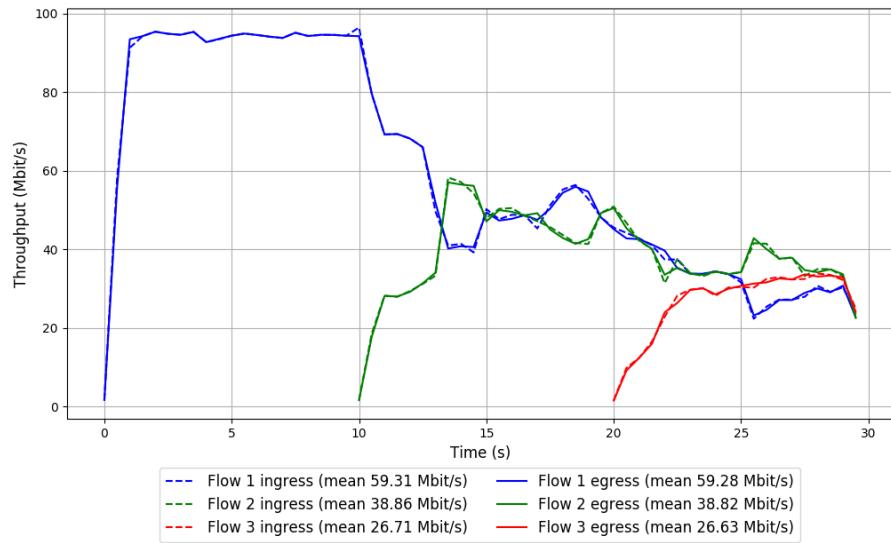


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-03-13 16:30:40
End at: 2018-03-13 16:31:10
Local clock offset: -2.498 ms
Remote clock offset: -6.515 ms

# Below is generated by plot.py at 2018-03-13 21:16:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.85 Mbit/s
95th percentile per-packet one-way delay: 32.087 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 30.368 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.82 Mbit/s
95th percentile per-packet one-way delay: 32.343 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 26.63 Mbit/s
95th percentile per-packet one-way delay: 33.065 ms
Loss rate: 0.37%
```

Run 8: Report of Vivace-LTE — Data Link

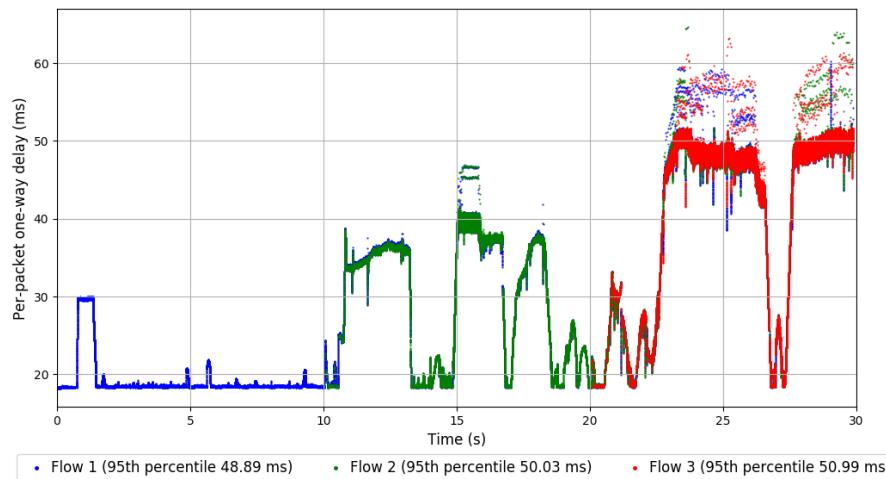
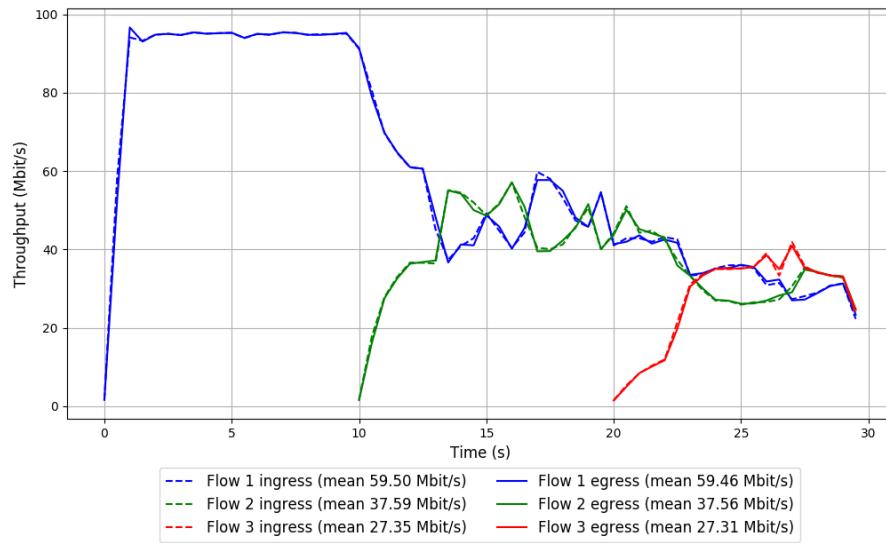


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-03-13 16:50:59
End at: 2018-03-13 16:51:29
Local clock offset: -7.627 ms
Remote clock offset: -23.78 ms

# Below is generated by plot.py at 2018-03-13 21:16:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.39 Mbit/s
95th percentile per-packet one-way delay: 49.748 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 48.892 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 50.033 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 27.31 Mbit/s
95th percentile per-packet one-way delay: 50.992 ms
Loss rate: 0.40%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-03-13 17:11:19
End at: 2018-03-13 17:11:49
Local clock offset: -4.394 ms
Remote clock offset: -6.508 ms

# Below is generated by plot.py at 2018-03-13 21:16:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: 31.350 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 56.83 Mbit/s
95th percentile per-packet one-way delay: 30.270 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.41 Mbit/s
95th percentile per-packet one-way delay: 31.692 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 29.30 Mbit/s
95th percentile per-packet one-way delay: 32.495 ms
Loss rate: 0.00%
```

Run 10: Report of Vivace-LTE — Data Link

