

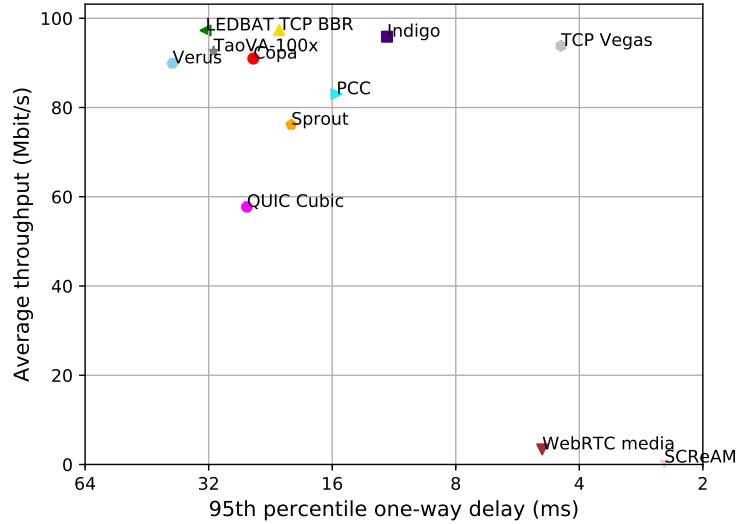
Pantheon Report

Generated at 2018-01-10 05:51:45 (UTC).
Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 Ethernet (*local*).
Repeated the test of 14 congestion control schemes 10 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).
NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

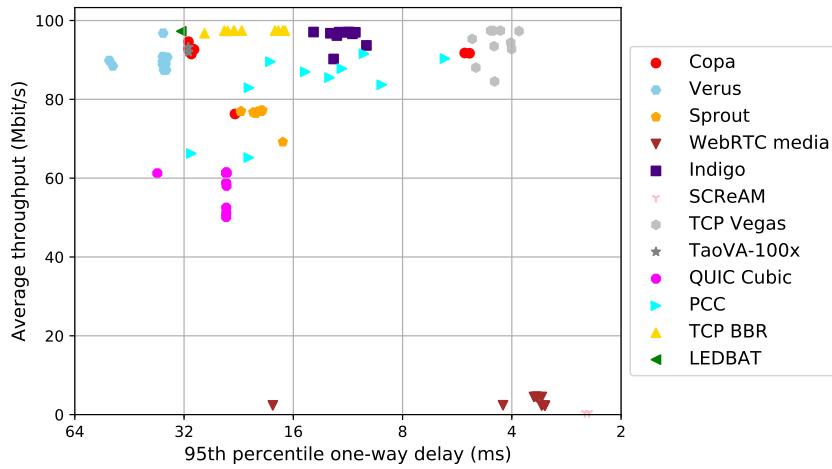
Git summary:

```
branch: master @ 56d1792c316a5efca3f2d21342905405fedffb48
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ 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 @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from 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



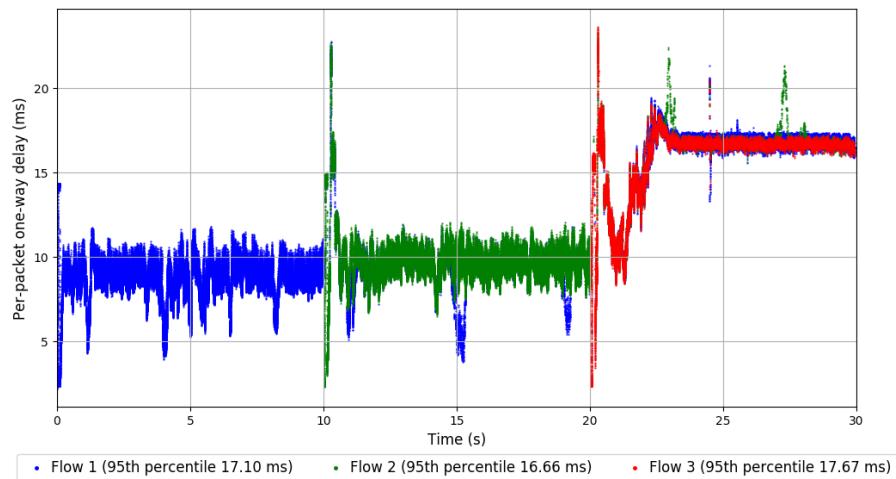
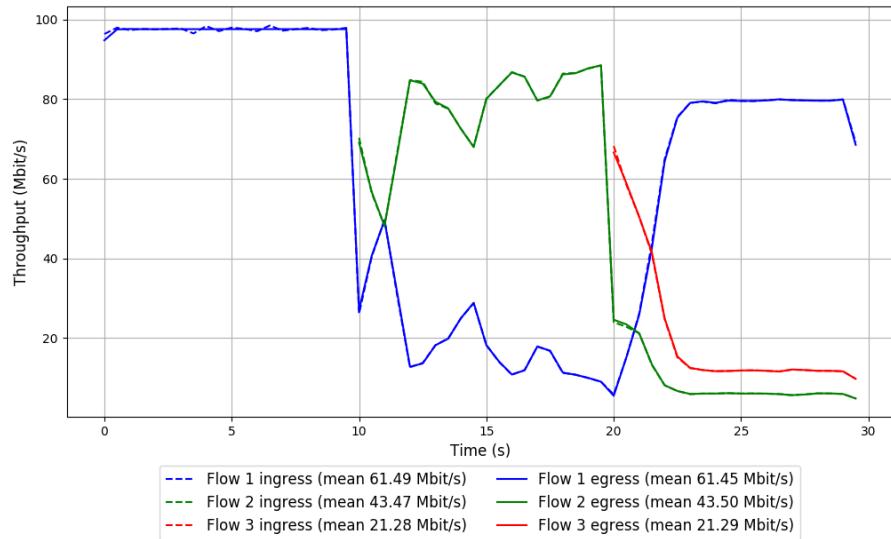
| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|--------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 10 | 67.04 | 33.68 | 23.98 | 20.95 | 21.57 | 25.82 | 0.07 | 0.09 | 0.18 |
| TCP Cubic | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| LEDBAT | | 64.49 | 45.59 | 25.27 | 26.67 | 33.99 | 36.36 | 0.07 | 0.12 | 1.47 |
| PCC | | 65.37 | 19.49 | 14.13 | 13.84 | 16.87 | 16.71 | 0.22 | 0.06 | 0.45 |
| QUIC Cubic | | 0.88 | 64.18 | 45.57 | 3.79 | 25.79 | 25.90 | 0.00 | 0.10 | 0.29 |
| SCReAM | | 0.22 | 0.22 | 0.22 | 2.47 | 2.49 | 2.50 | 0.00 | 0.10 | 0.00 |
| WebRTC media | | 1.22 | 1.53 | 0.67 | 5.60 | 4.84 | 5.03 | 0.00 | 0.02 | 0.02 |
| Sprout | | 42.52 | 36.08 | 29.21 | 19.09 | 20.12 | 21.89 | 0.05 | 0.06 | 0.20 |
| TaoVA-100x | | 58.21 | 39.52 | 31.87 | 30.65 | 31.14 | 31.24 | 0.06 | 0.17 | 0.53 |
| TCP Vegas | | 52.43 | 39.07 | 46.51 | 5.57 | 4.33 | 4.36 | 0.01 | 0.02 | 0.06 |
| Verus | | 52.61 | 40.09 | 32.18 | 38.14 | 39.24 | 39.56 | 0.07 | 0.15 | 0.40 |
| Copa | 0 | 54.49 | 42.88 | 31.70 | 23.84 | 25.09 | 25.36 | 0.10 | 0.24 | 0.64 |
| FillP | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Indigo | | 63.99 | 31.10 | 34.67 | 11.18 | 11.85 | 13.24 | 0.03 | 0.03 | 0.14 |

Run 1: Statistics of TCP BBR

```
Start at: 2018-01-09 23:47:30
End at: 2018-01-09 23:48:00
Local clock offset: -0.128 ms
Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2018-01-10 05:23:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 17.076 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 61.45 Mbit/s
95th percentile per-packet one-way delay: 17.097 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 43.50 Mbit/s
95th percentile per-packet one-way delay: 16.660 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 21.29 Mbit/s
95th percentile per-packet one-way delay: 17.670 ms
Loss rate: 0.09%
```

Run 1: Report of TCP BBR — Data Link

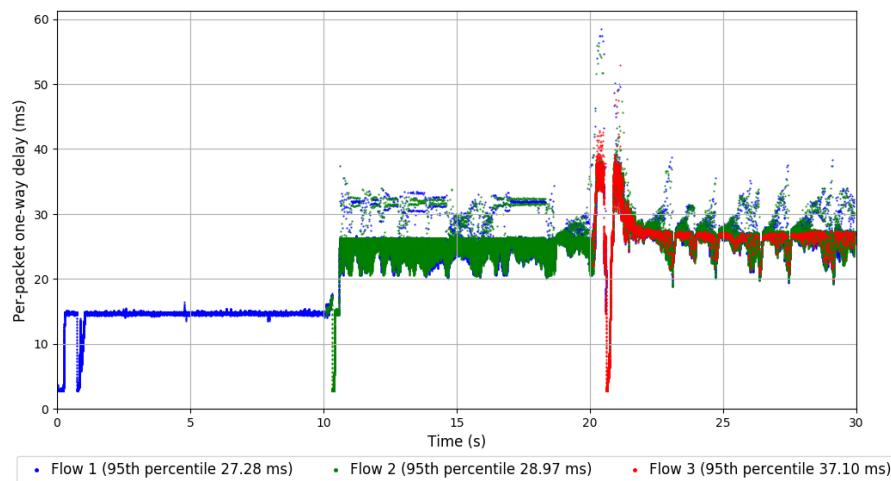
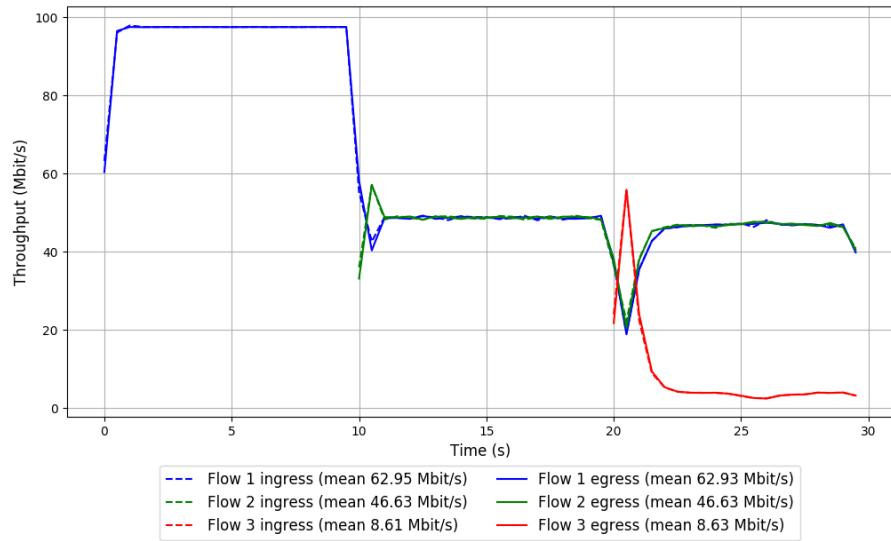


Run 2: Statistics of TCP BBR

```
Start at: 2018-01-10 00:04:31
End at: 2018-01-10 00:05:01
Local clock offset: -0.15 ms
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-01-10 05:23:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 28.114 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 62.93 Mbit/s
95th percentile per-packet one-way delay: 27.283 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 46.63 Mbit/s
95th percentile per-packet one-way delay: 28.971 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 8.63 Mbit/s
95th percentile per-packet one-way delay: 37.101 ms
Loss rate: 0.14%
```

Run 2: Report of TCP BBR — Data Link

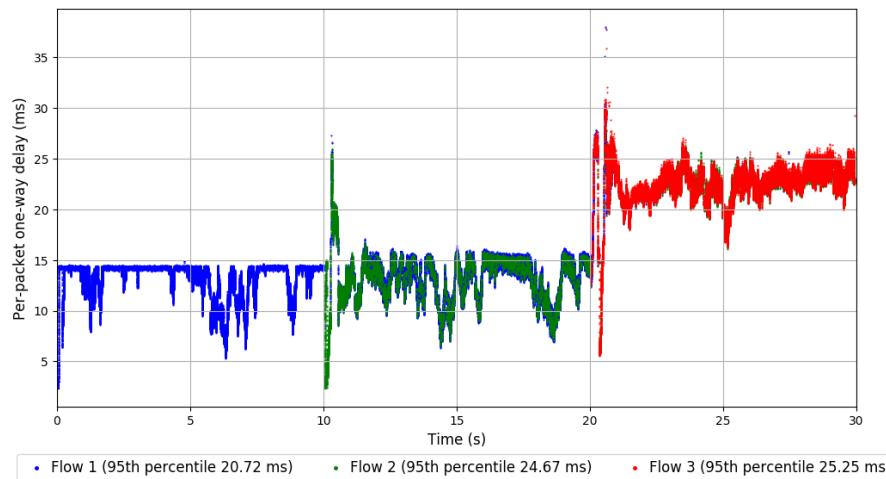
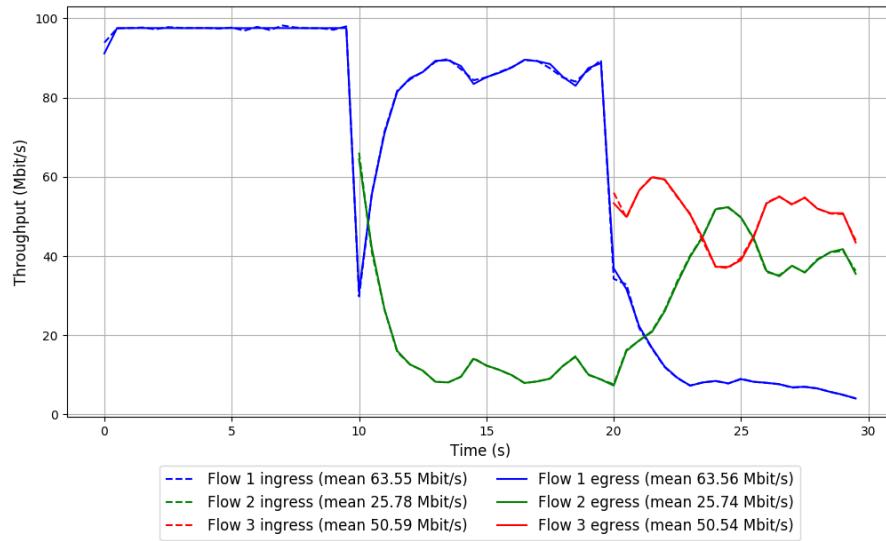


Run 3: Statistics of TCP BBR

```
Start at: 2018-01-10 00:21:28
End at: 2018-01-10 00:21:58
Local clock offset: -0.195 ms
Remote clock offset: 0.121 ms

# Below is generated by plot.py at 2018-01-10 05:23:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 24.259 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 63.56 Mbit/s
95th percentile per-packet one-way delay: 20.719 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 25.74 Mbit/s
95th percentile per-packet one-way delay: 24.674 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 50.54 Mbit/s
95th percentile per-packet one-way delay: 25.252 ms
Loss rate: 0.28%
```

Run 3: Report of TCP BBR — Data Link

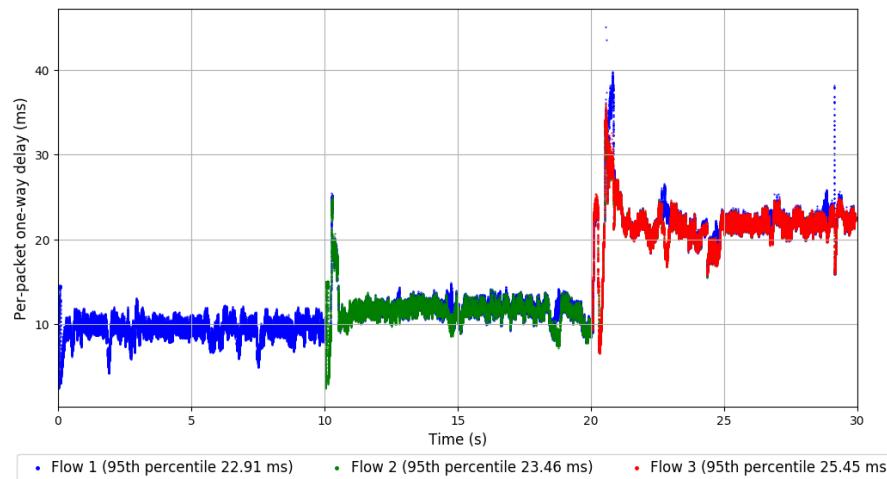
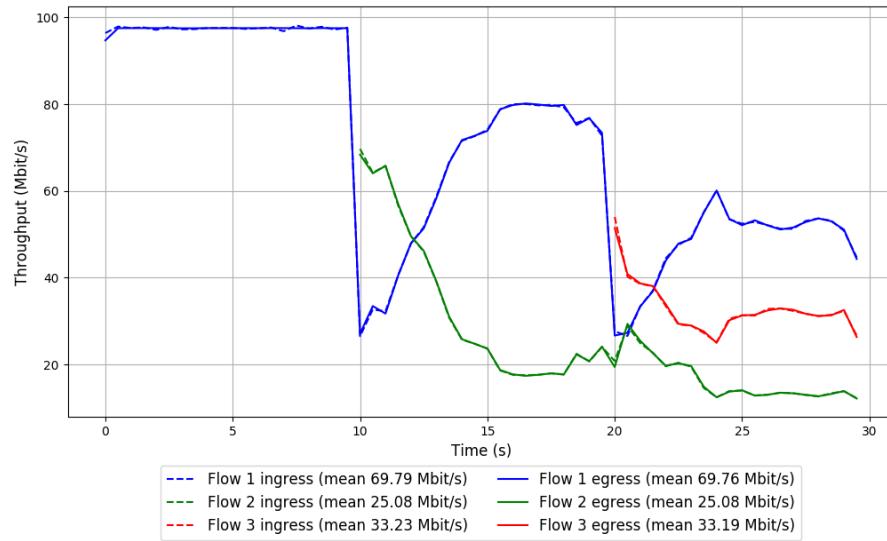


Run 4: Statistics of TCP BBR

```
Start at: 2018-01-10 00:38:29
End at: 2018-01-10 00:38:59
Local clock offset: -0.198 ms
Remote clock offset: -0.128 ms

# Below is generated by plot.py at 2018-01-10 05:23:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 23.287 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 69.76 Mbit/s
95th percentile per-packet one-way delay: 22.906 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 25.08 Mbit/s
95th percentile per-packet one-way delay: 23.461 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 25.447 ms
Loss rate: 0.24%
```

Run 4: Report of TCP BBR — Data Link

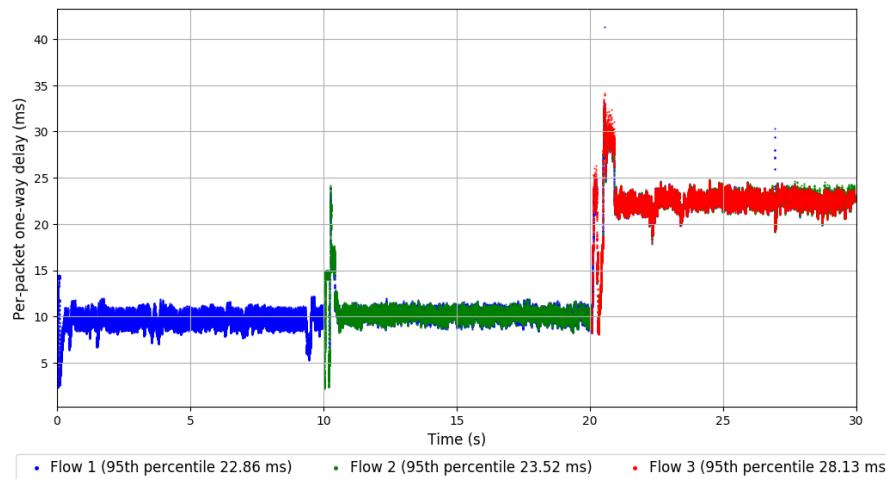
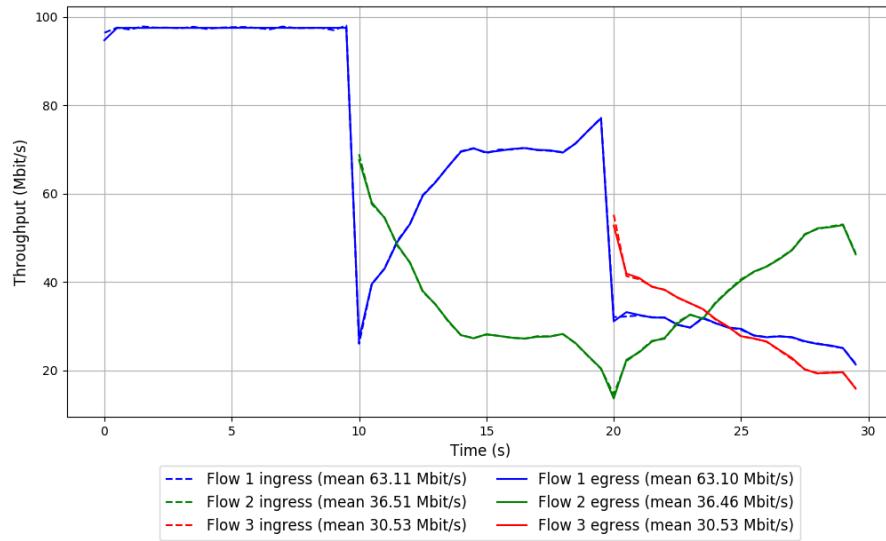


Run 5: Statistics of TCP BBR

```
Start at: 2018-01-10 00:55:26
End at: 2018-01-10 00:55:56
Local clock offset: -0.248 ms
Remote clock offset: 0.179 ms

# Below is generated by plot.py at 2018-01-10 05:23:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 23.341 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 63.10 Mbit/s
95th percentile per-packet one-way delay: 22.865 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.46 Mbit/s
95th percentile per-packet one-way delay: 23.520 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 28.126 ms
Loss rate: 0.16%
```

Run 5: Report of TCP BBR — Data Link

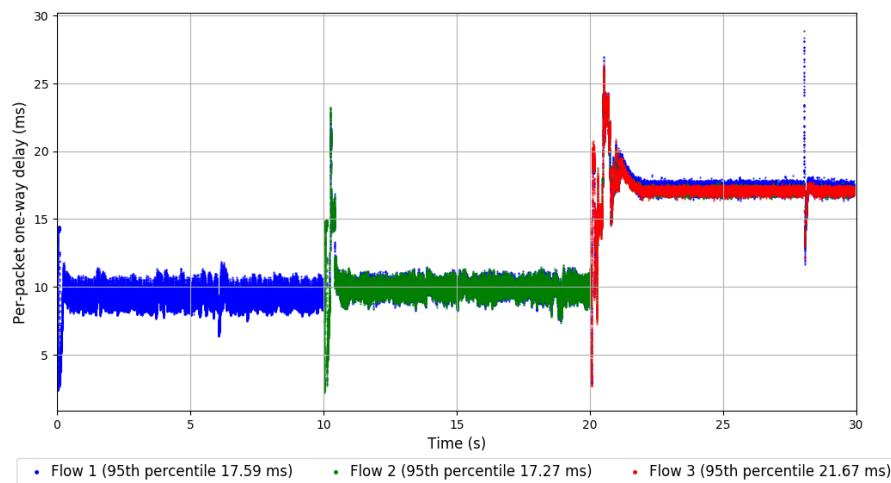
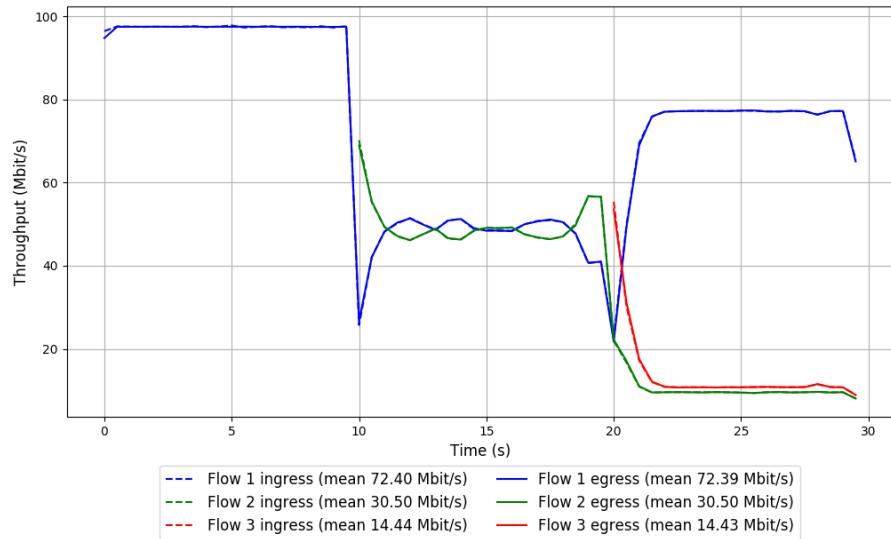


Run 6: Statistics of TCP BBR

```
Start at: 2018-01-10 01:12:24
End at: 2018-01-10 01:12:54
Local clock offset: -0.254 ms
Remote clock offset: 0.369 ms

# Below is generated by plot.py at 2018-01-10 05:23:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 17.596 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 72.39 Mbit/s
95th percentile per-packet one-way delay: 17.589 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 30.50 Mbit/s
95th percentile per-packet one-way delay: 17.271 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 14.43 Mbit/s
95th percentile per-packet one-way delay: 21.671 ms
Loss rate: 0.14%
```

Run 6: Report of TCP BBR — Data Link

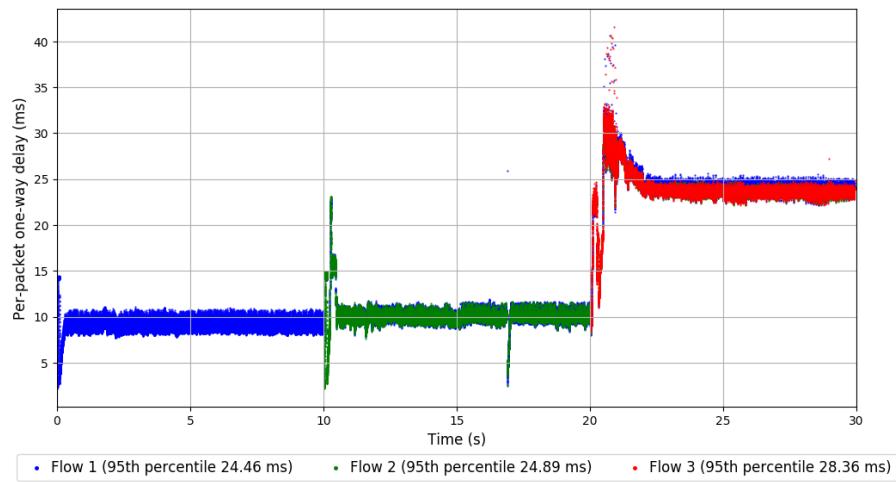
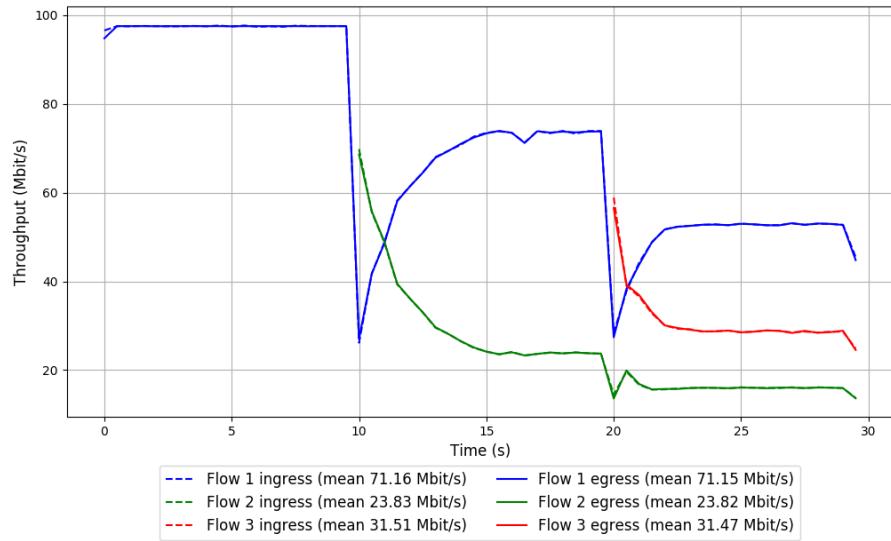


Run 7: Statistics of TCP BBR

```
Start at: 2018-01-10 01:29:21
End at: 2018-01-10 01:29:51
Local clock offset: -0.264 ms
Remote clock offset: 0.516 ms

# Below is generated by plot.py at 2018-01-10 05:23:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 24.779 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 71.15 Mbit/s
95th percentile per-packet one-way delay: 24.458 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 23.82 Mbit/s
95th percentile per-packet one-way delay: 24.886 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 28.359 ms
Loss rate: 0.25%
```

Run 7: Report of TCP BBR — Data Link

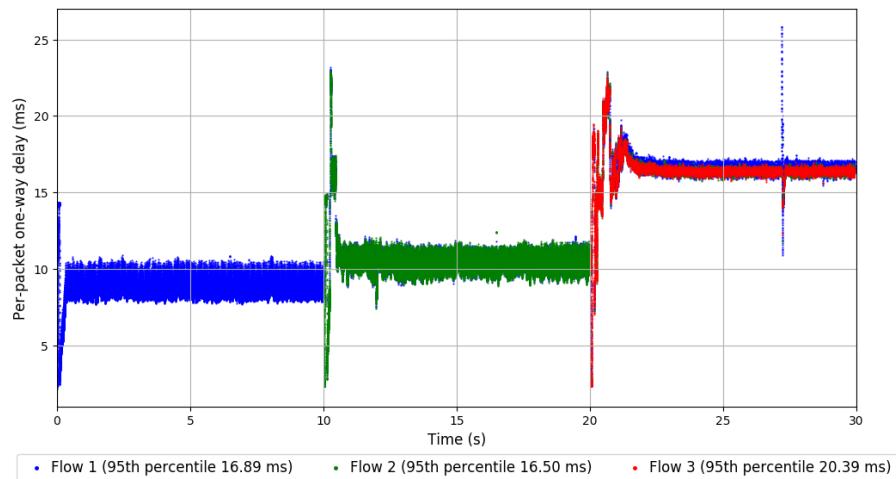
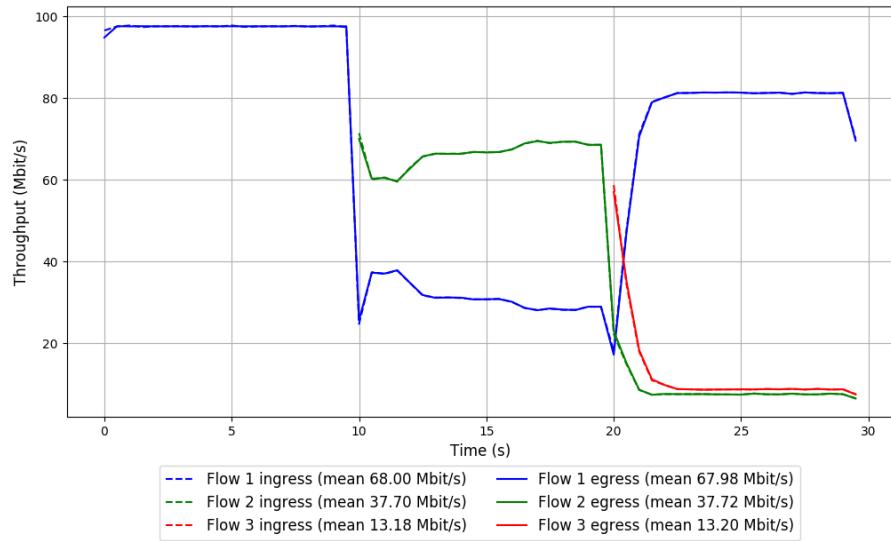


Run 8: Statistics of TCP BBR

```
Start at: 2018-01-10 01:46:19
End at: 2018-01-10 01:46:49
Local clock offset: -0.279 ms
Remote clock offset: 0.576 ms

# Below is generated by plot.py at 2018-01-10 05:23:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 16.883 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 67.98 Mbit/s
95th percentile per-packet one-way delay: 16.890 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 16.499 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 13.20 Mbit/s
95th percentile per-packet one-way delay: 20.390 ms
Loss rate: 0.14%
```

Run 8: Report of TCP BBR — Data Link

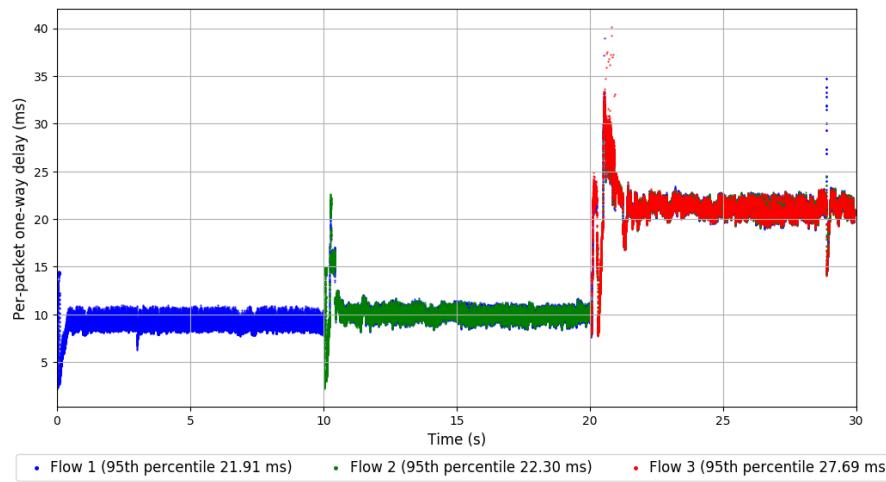
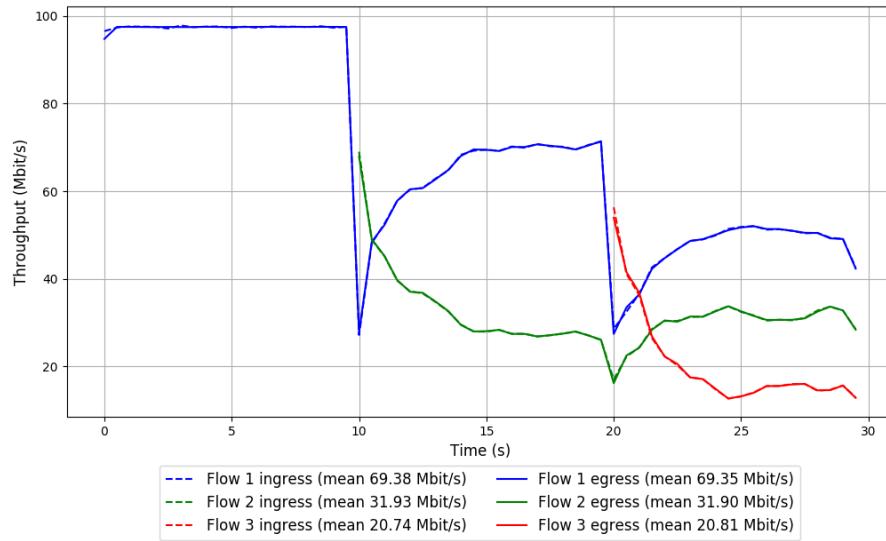


Run 9: Statistics of TCP BBR

```
Start at: 2018-01-10 02:03:17
End at: 2018-01-10 02:03:47
Local clock offset: -0.13 ms
Remote clock offset: 0.66 ms

# Below is generated by plot.py at 2018-01-10 05:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 22.196 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 69.35 Mbit/s
95th percentile per-packet one-way delay: 21.907 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 22.302 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 27.692 ms
Loss rate: 0.19%
```

Run 9: Report of TCP BBR — Data Link

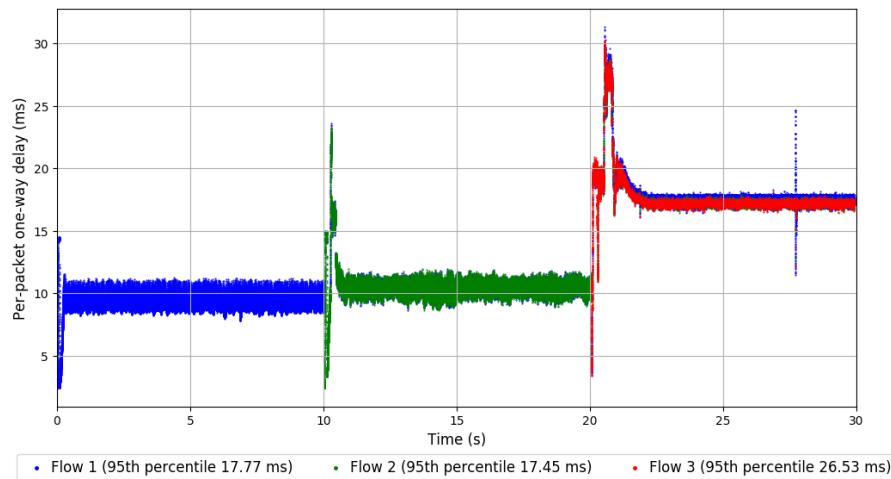
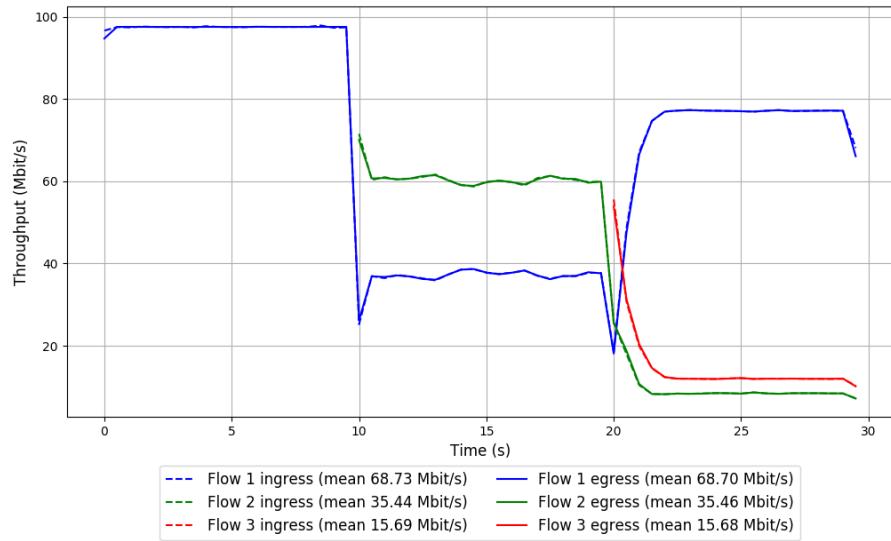


```
Run 10: Statistics of TCP BBR
```

```
Start at: 2018-01-10 02:20:18
End at: 2018-01-10 02:20:48
Local clock offset: -0.103 ms
Remote clock offset: 0.654 ms

# Below is generated by plot.py at 2018-01-10 05:25:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 17.977 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 68.70 Mbit/s
95th percentile per-packet one-way delay: 17.774 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 17.446 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 15.68 Mbit/s
95th percentile per-packet one-way delay: 26.531 ms
Loss rate: 0.15%
```

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-09 23:48:39

End at: 2018-01-09 23:49:09

Local clock offset: -0.19 ms

Remote clock offset: 0.07 ms

Run 1: Report of TCP Cubic — Data Link

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Run 2: Statistics of TCP Cubic

Start at: 2018-01-10 00:05:39

End at: 2018-01-10 00:06:09

Local clock offset: -0.159 ms

Remote clock offset: 0.353 ms

Run 2: Report of TCP Cubic — Data Link

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Run 3: Statistics of TCP Cubic

Start at: 2018-01-10 00:22:36

End at: 2018-01-10 00:23:06

Local clock offset: -0.321 ms

Remote clock offset: 0.075 ms

Run 3: Report of TCP Cubic — Data Link

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Run 4: Statistics of TCP Cubic

Start at: 2018-01-10 00:39:37

End at: 2018-01-10 00:40:07

Local clock offset: -0.231 ms

Remote clock offset: -0.05 ms

Run 4: Report of TCP Cubic — Data Link

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Run 5: Statistics of TCP Cubic

Start at: 2018-01-10 00:56:34

End at: 2018-01-10 00:57:05

Local clock offset: -0.225 ms

Remote clock offset: 0.191 ms

Run 5: Report of TCP Cubic — Data Link

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Run 6: Statistics of TCP Cubic

Start at: 2018-01-10 01:13:33

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

Local clock offset: -0.281 ms

Remote clock offset: 0.31 ms

Run 6: Report of TCP Cubic — Data Link

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Run 7: Statistics of TCP Cubic

Start at: 2018-01-10 01:30:29

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

Local clock offset: -0.342 ms

Remote clock offset: 0.48 ms

Run 7: Report of TCP Cubic — Data Link

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Figure is missing

Run 8: Statistics of TCP Cubic

Start at: 2018-01-10 01:47:27

End at: 2018-01-10 01:47:57

Local clock offset: -0.252 ms

Remote clock offset: 0.593 ms

Run 8: Report of TCP Cubic — Data Link

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Run 9: Statistics of TCP Cubic

Start at: 2018-01-10 02:04:26

End at: 2018-01-10 02:04:56

Local clock offset: -0.137 ms

Remote clock offset: 0.688 ms

Run 9: Report of TCP Cubic — Data Link

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Run 10: Statistics of TCP Cubic

Start at: 2018-01-10 02:21:27

End at: 2018-01-10 02:21:57

Local clock offset: -0.121 ms

Remote clock offset: 0.743 ms

Run 10: Report of TCP Cubic — Data Link

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Run 1: Statistics of LEDBAT

Start at: 2018-01-09 23:46:22
End at: 2018-01-09 23:46:52
Local clock offset: -0.129 ms
Remote clock offset: 0.048 ms

Run 1: Report of LEDBAT — Data Link

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Run 2: Statistics of LEDBAT

Start at: 2018-01-10 00:03:22
End at: 2018-01-10 00:03:52
Local clock offset: -0.222 ms
Remote clock offset: 0.298 ms

Run 2: Report of LEDBAT — Data Link

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Run 3: Statistics of LEDBAT

Start at: 2018-01-10 00:20:19
End at: 2018-01-10 00:20:49
Local clock offset: -0.226 ms
Remote clock offset: 0.133 ms

Run 3: Report of LEDBAT — Data Link

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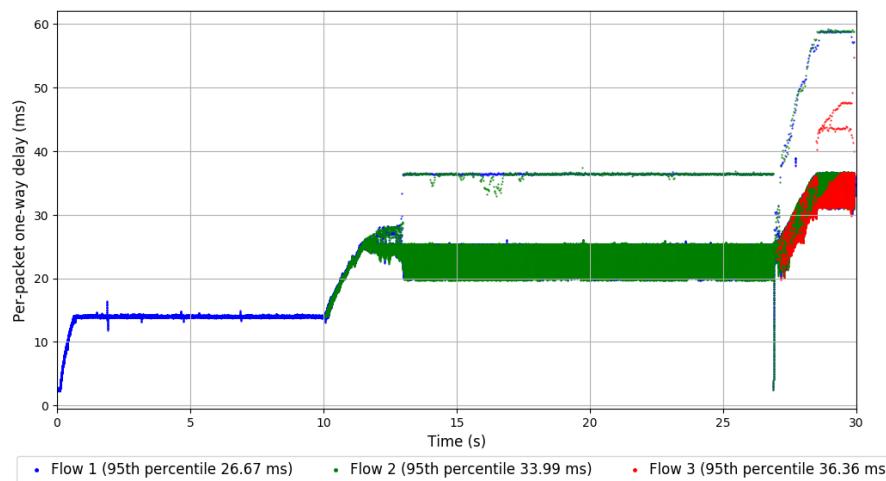
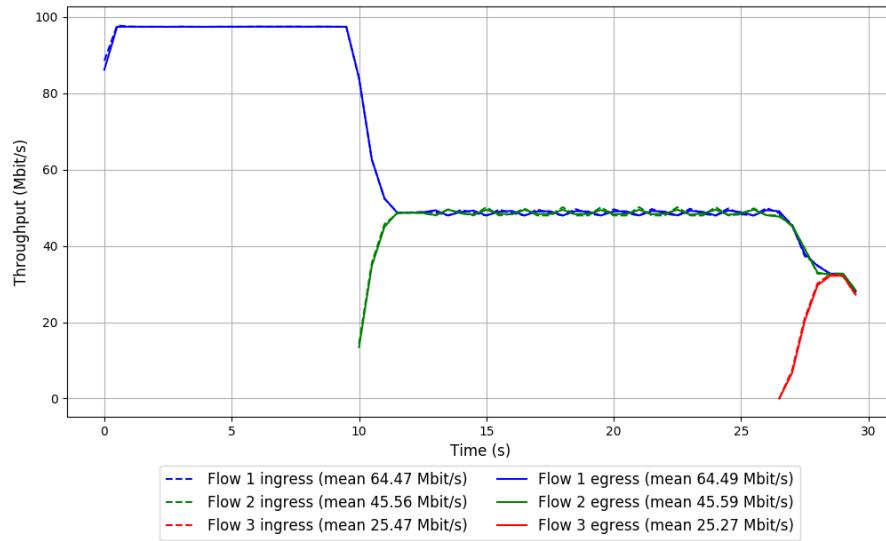
Figure is missing

Run 4: Statistics of LEDBAT

```
Start at: 2018-01-10 00:37:18
End at: 2018-01-10 00:37:48
Local clock offset: -0.216 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-01-10 05:25:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 32.567 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 64.49 Mbit/s
95th percentile per-packet one-way delay: 26.671 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 45.59 Mbit/s
95th percentile per-packet one-way delay: 33.994 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 25.27 Mbit/s
95th percentile per-packet one-way delay: 36.356 ms
Loss rate: 1.47%
```

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-10 00:54:18
End at: 2018-01-10 00:54:48
Local clock offset: -0.266 ms
Remote clock offset: 0.088 ms

Run 5: Report of LEDBAT — Data Link

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Run 6: Statistics of LEDBAT

Start at: 2018-01-10 01:11:16
End at: 2018-01-10 01:11:46
Local clock offset: -0.295 ms
Remote clock offset: 0.351 ms

Run 6: Report of LEDBAT — Data Link

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Figure is missing

Run 7: Statistics of LEDBAT

Start at: 2018-01-10 01:28:13
End at: 2018-01-10 01:28:43
Local clock offset: -0.251 ms
Remote clock offset: 0.473 ms

Run 7: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of LEDBAT

Start at: 2018-01-10 01:45:11
End at: 2018-01-10 01:45:41
Local clock offset: -0.256 ms
Remote clock offset: 0.564 ms

Run 8: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of LEDBAT

Start at: 2018-01-10 02:02:09
End at: 2018-01-10 02:02:39
Local clock offset: -0.219 ms
Remote clock offset: 0.685 ms

Run 9: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of LEDBAT

Start at: 2018-01-10 02:19:10
End at: 2018-01-10 02:19:40
Local clock offset: -0.118 ms
Remote clock offset: 0.66 ms

Run 10: Report of LEDBAT — Data Link

Figure is missing

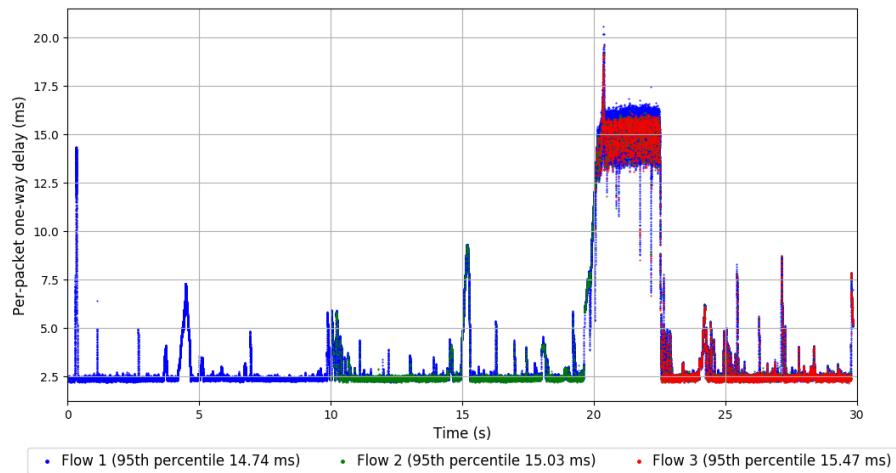
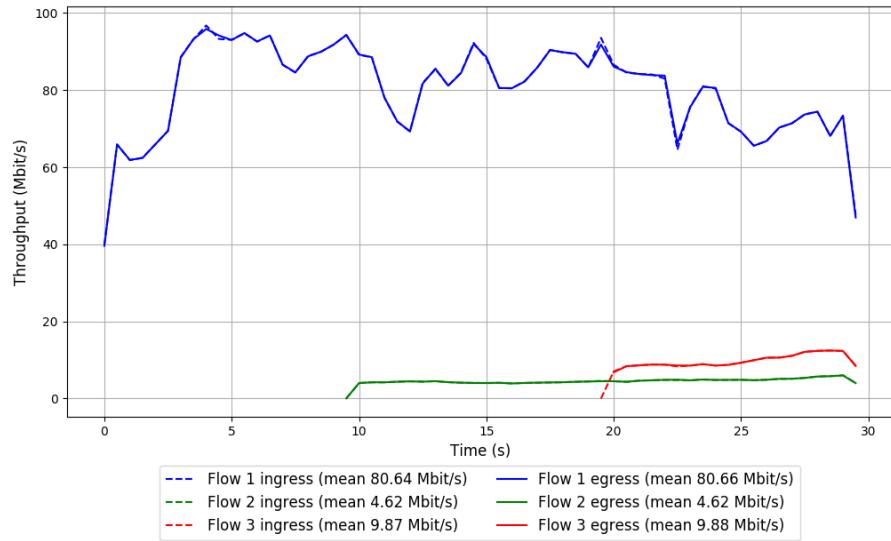
Figure is missing

Run 1: Statistics of PCC

```
Start at: 2018-01-09 23:41:47
End at: 2018-01-09 23:42:17
Local clock offset: -0.066 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-01-10 05:25:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 14.838 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 80.66 Mbit/s
95th percentile per-packet one-way delay: 14.738 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 15.033 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 9.88 Mbit/s
95th percentile per-packet one-way delay: 15.468 ms
Loss rate: 0.09%
```

Run 1: Report of PCC — Data Link

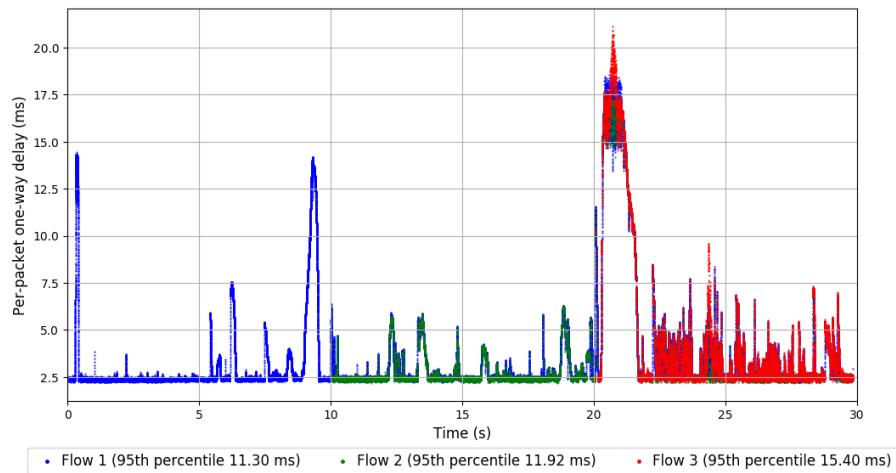
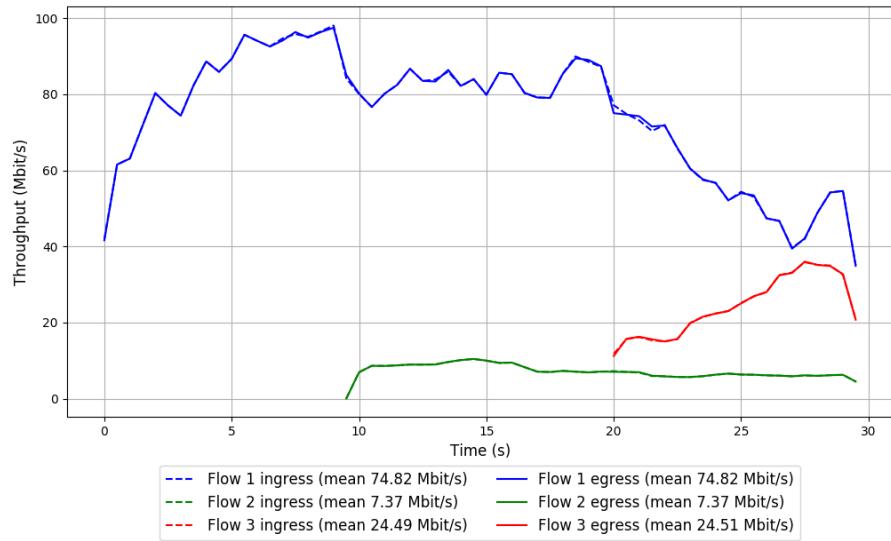


Run 2: Statistics of PCC

```
Start at: 2018-01-09 23:58:46
End at: 2018-01-09 23:59:16
Local clock offset: -0.139 ms
Remote clock offset: 0.21 ms

# Below is generated by plot.py at 2018-01-10 05:25:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.79 Mbit/s
95th percentile per-packet one-way delay: 11.754 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 74.82 Mbit/s
95th percentile per-packet one-way delay: 11.296 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 11.924 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 15.401 ms
Loss rate: 0.06%
```

Run 2: Report of PCC — Data Link

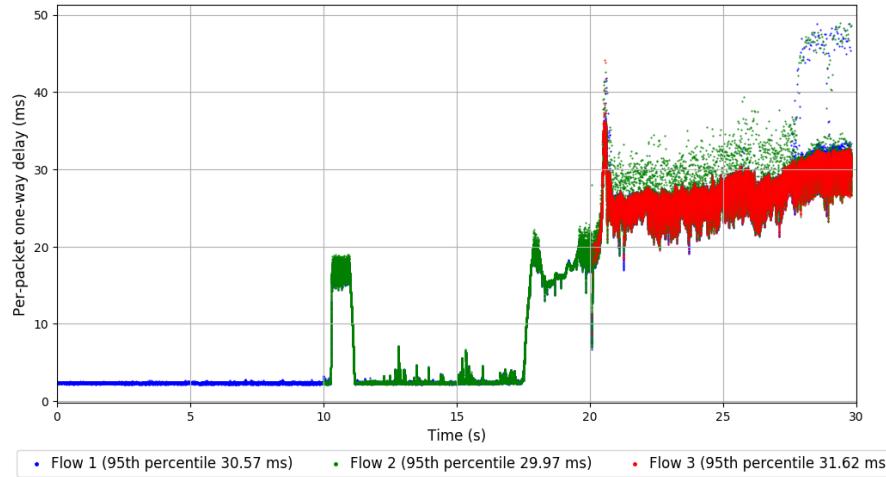
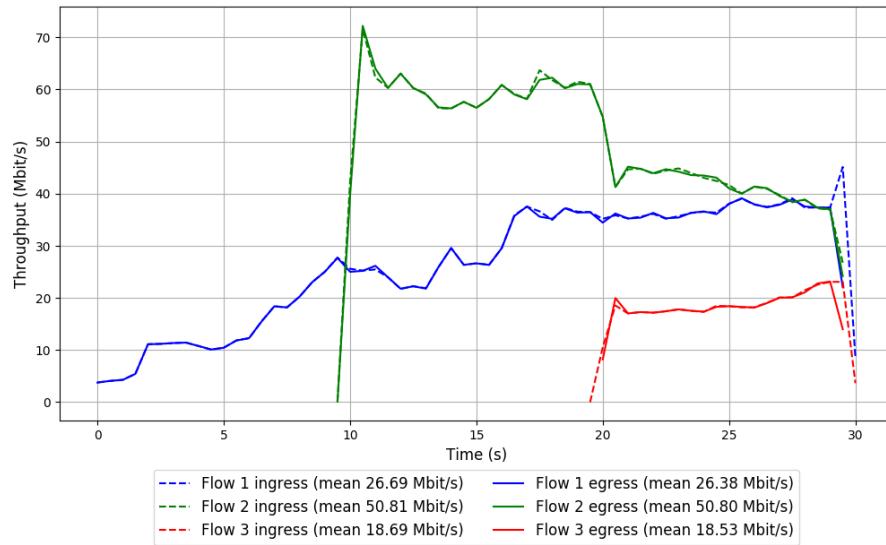


Run 3: Statistics of PCC

```
Start at: 2018-01-10 00:15:45
End at: 2018-01-10 00:16:15
Local clock offset: -0.215 ms
Remote clock offset: 0.22 ms

# Below is generated by plot.py at 2018-01-10 05:25:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.27 Mbit/s
95th percentile per-packet one-way delay: 30.558 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 26.38 Mbit/s
95th percentile per-packet one-way delay: 30.574 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 50.80 Mbit/s
95th percentile per-packet one-way delay: 29.971 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 18.53 Mbit/s
95th percentile per-packet one-way delay: 31.625 ms
Loss rate: 3.70%
```

Run 3: Report of PCC — Data Link

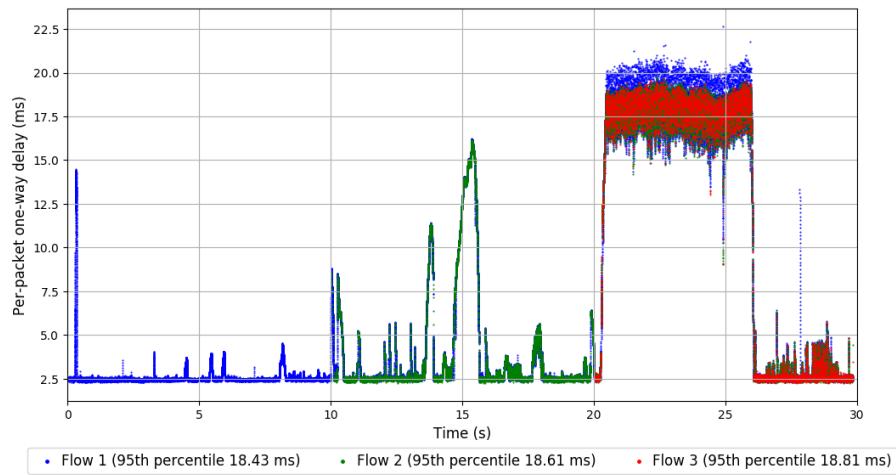
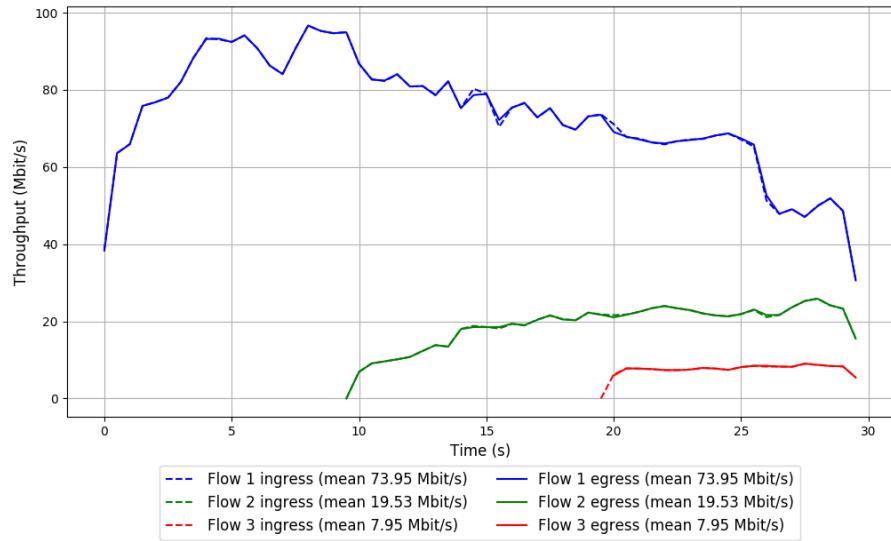


Run 4: Statistics of PCC

```
Start at: 2018-01-10 00:32:43
End at: 2018-01-10 00:33:13
Local clock offset: -0.23 ms
Remote clock offset: -0.168 ms

# Below is generated by plot.py at 2018-01-10 05:25:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 18.498 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 73.95 Mbit/s
95th percentile per-packet one-way delay: 18.425 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 19.53 Mbit/s
95th percentile per-packet one-way delay: 18.610 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 18.811 ms
Loss rate: 0.03%
```

Run 4: Report of PCC — Data Link

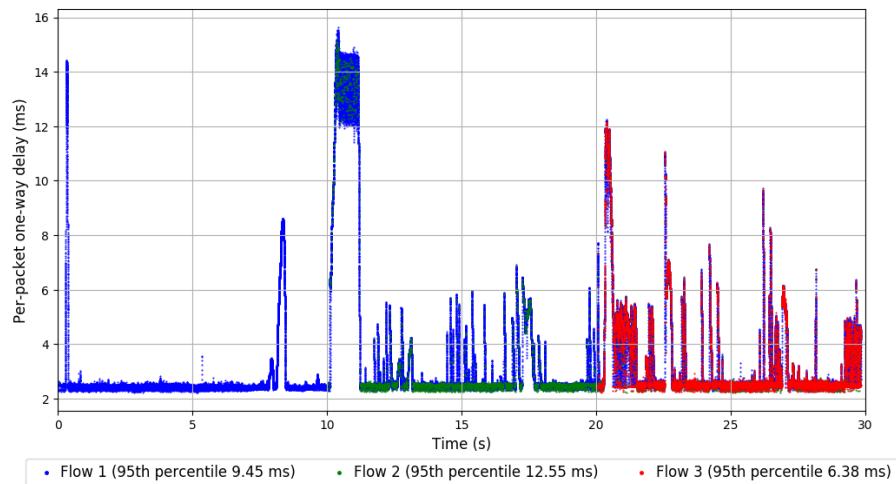
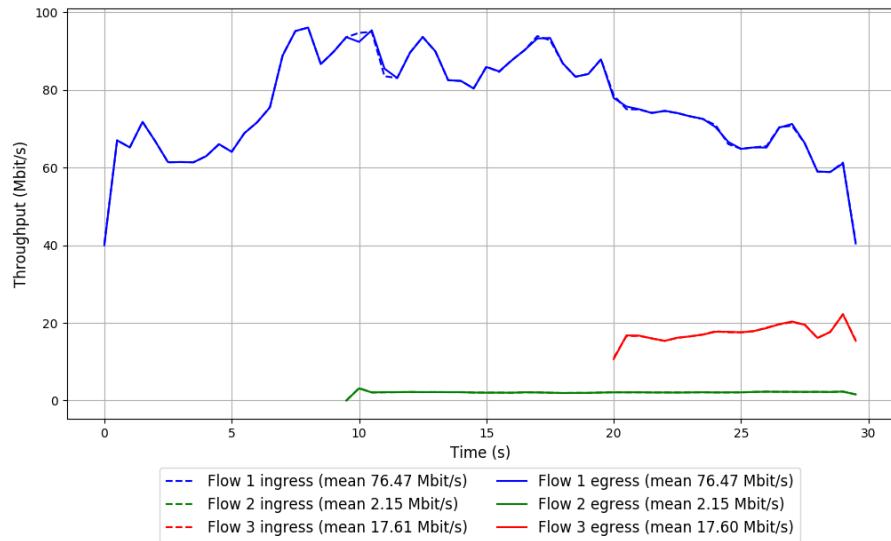


Run 5: Statistics of PCC

```
Start at: 2018-01-10 00:49:43
End at: 2018-01-10 00:50:13
Local clock offset: -0.191 ms
Remote clock offset: 0.093 ms

# Below is generated by plot.py at 2018-01-10 05:25:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.69 Mbit/s
95th percentile per-packet one-way delay: 9.130 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 76.47 Mbit/s
95th percentile per-packet one-way delay: 9.454 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 12.555 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 17.60 Mbit/s
95th percentile per-packet one-way delay: 6.381 ms
Loss rate: 0.09%
```

Run 5: Report of PCC — Data Link

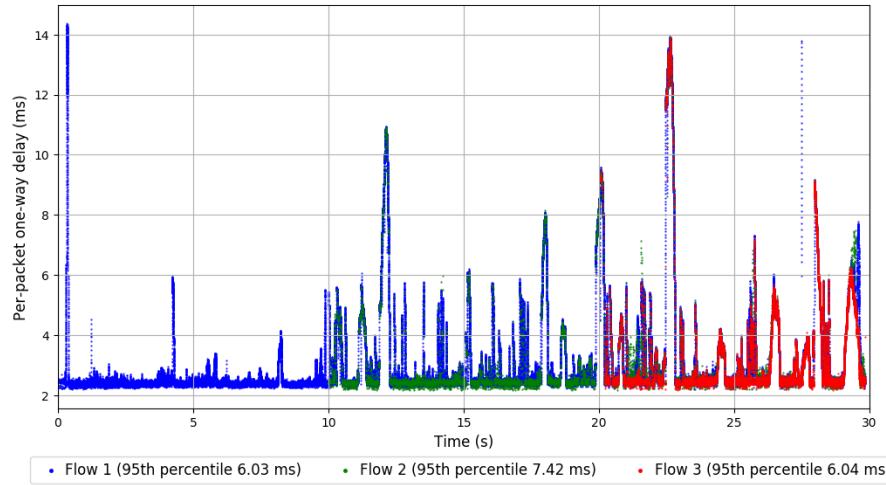
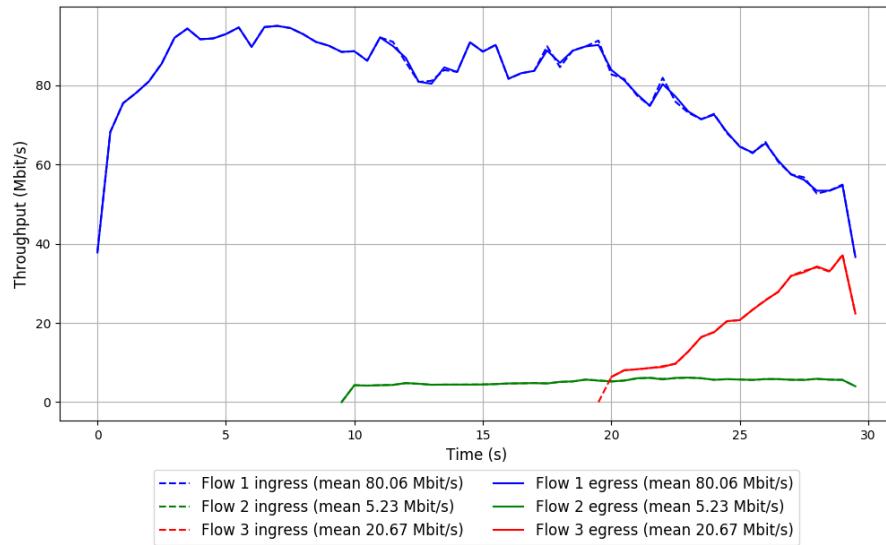


Run 6: Statistics of PCC

```
Start at: 2018-01-10 01:06:42
End at: 2018-01-10 01:07:12
Local clock offset: -0.253 ms
Remote clock offset: 0.295 ms

# Below is generated by plot.py at 2018-01-10 05:27:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.34 Mbit/s
95th percentile per-packet one-way delay: 6.114 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 80.06 Mbit/s
95th percentile per-packet one-way delay: 6.033 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 7.420 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 20.67 Mbit/s
95th percentile per-packet one-way delay: 6.038 ms
Loss rate: 0.08%
```

Run 6: Report of PCC — Data Link

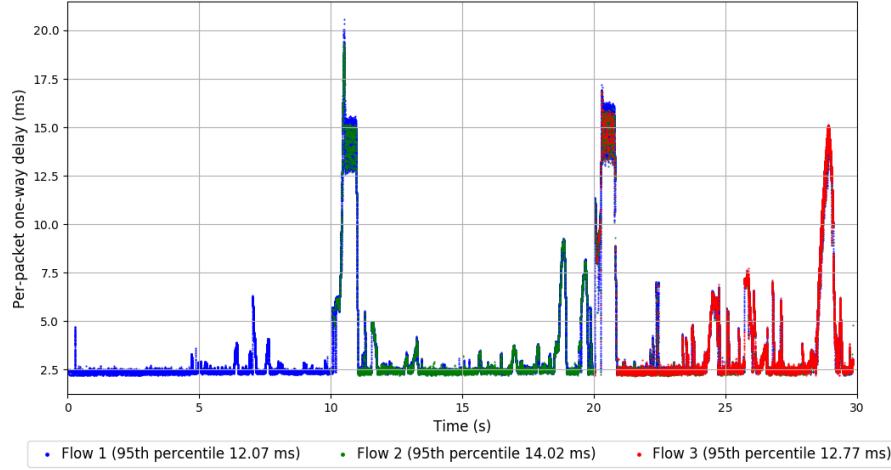
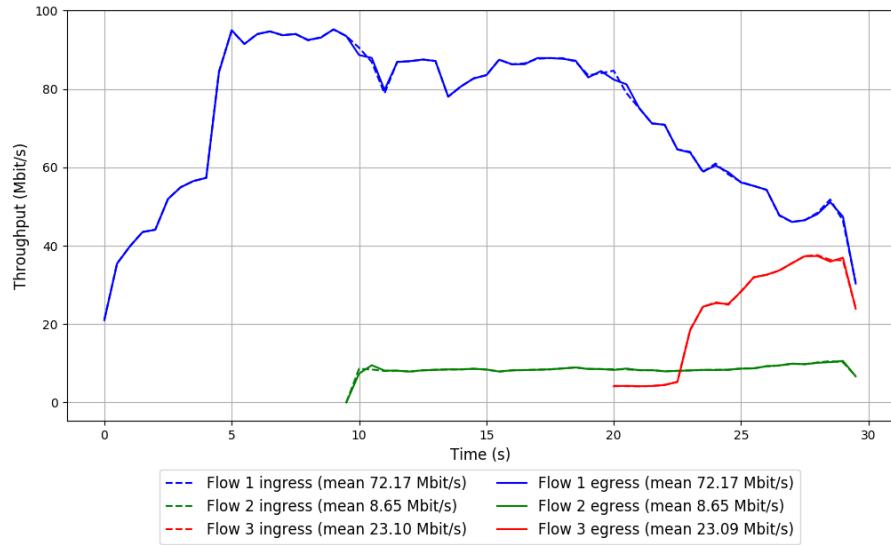


Run 7: Statistics of PCC

```
Start at: 2018-01-10 01:23:38
End at: 2018-01-10 01:24:08
Local clock offset: -0.268 ms
Remote clock offset: 0.416 ms

# Below is generated by plot.py at 2018-01-10 05:28:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 12.716 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 72.17 Mbit/s
95th percentile per-packet one-way delay: 12.071 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 8.65 Mbit/s
95th percentile per-packet one-way delay: 14.023 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 23.09 Mbit/s
95th percentile per-packet one-way delay: 12.774 ms
Loss rate: 0.08%
```

Run 7: Report of PCC — Data Link

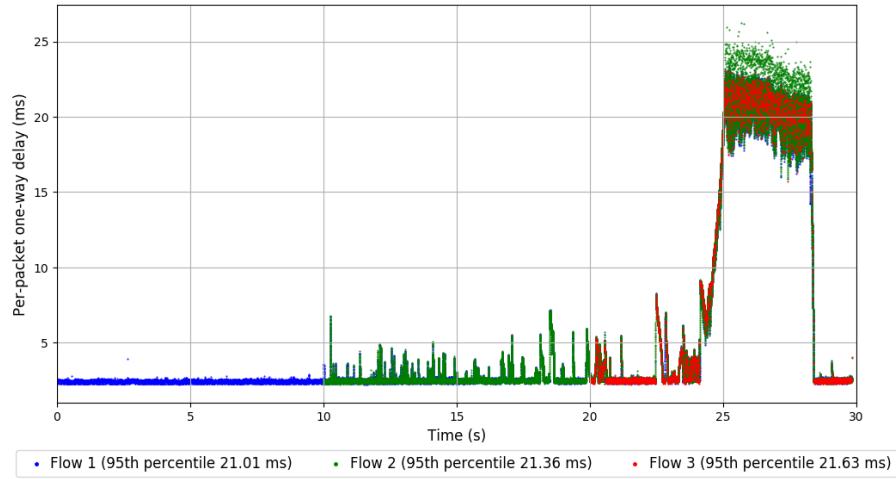
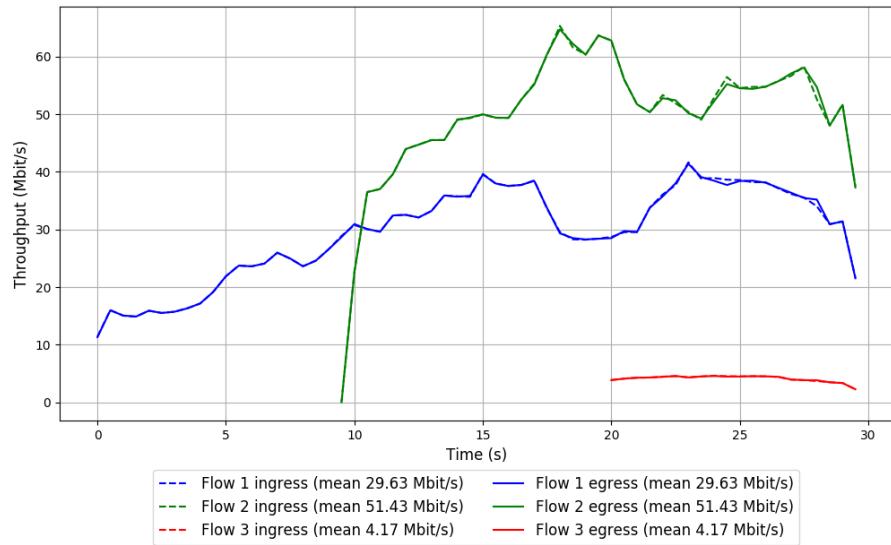


Run 8: Statistics of PCC

```
Start at: 2018-01-10 01:40:36
End at: 2018-01-10 01:41:06
Local clock offset: -0.246 ms
Remote clock offset: 0.46 ms

# Below is generated by plot.py at 2018-01-10 05:28:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.22 Mbit/s
95th percentile per-packet one-way delay: 21.225 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 29.63 Mbit/s
95th percentile per-packet one-way delay: 21.006 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 51.43 Mbit/s
95th percentile per-packet one-way delay: 21.356 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 21.634 ms
Loss rate: 0.03%
```

Run 8: Report of PCC — Data Link

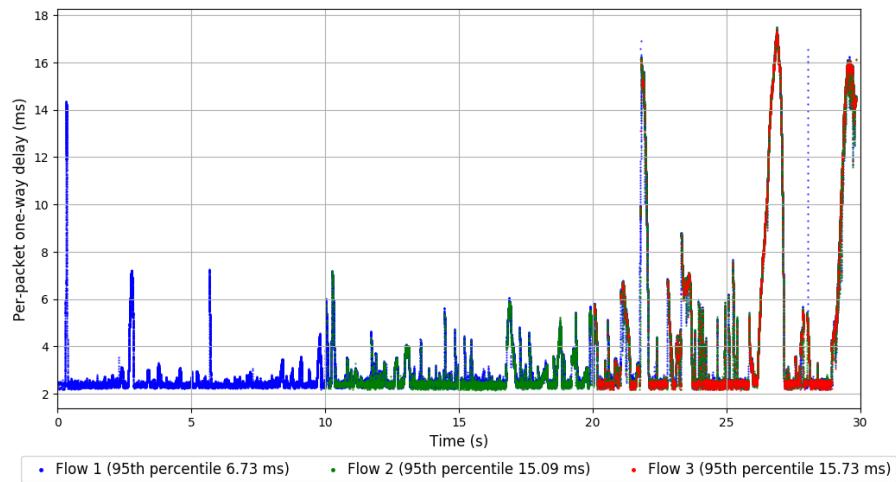
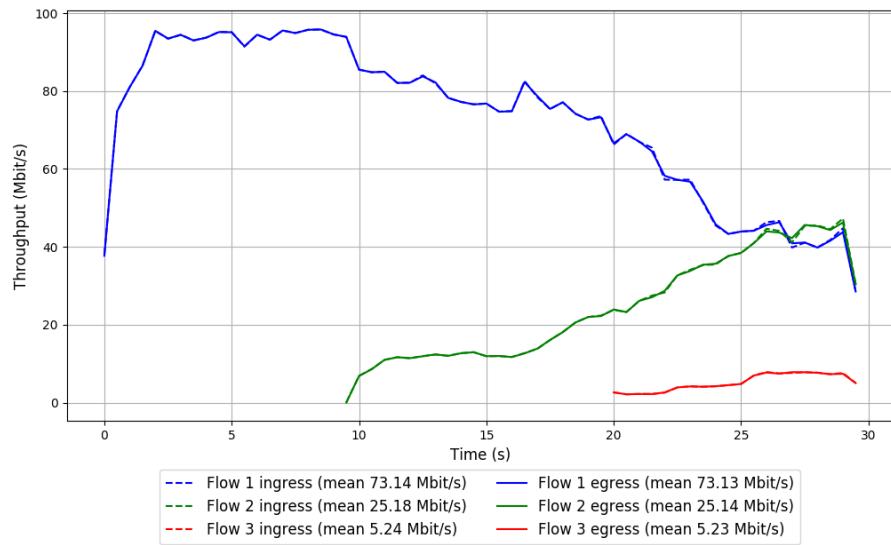


Run 9: Statistics of PCC

```
Start at: 2018-01-10 01:57:34
End at: 2018-01-10 01:58:04
Local clock offset: -0.253 ms
Remote clock offset: 0.575 ms

# Below is generated by plot.py at 2018-01-10 05:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.58 Mbit/s
95th percentile per-packet one-way delay: 10.219 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 73.13 Mbit/s
95th percentile per-packet one-way delay: 6.729 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 25.14 Mbit/s
95th percentile per-packet one-way delay: 15.087 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 15.727 ms
Loss rate: 0.22%
```

Run 9: Report of PCC — Data Link

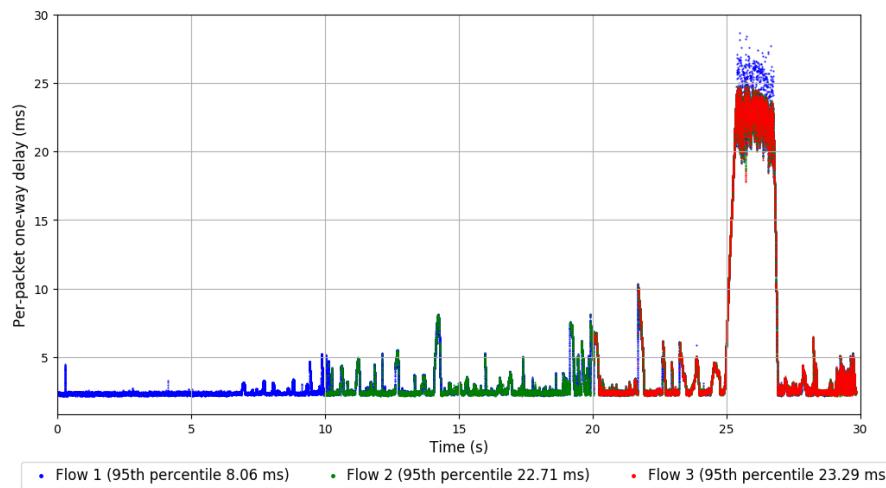
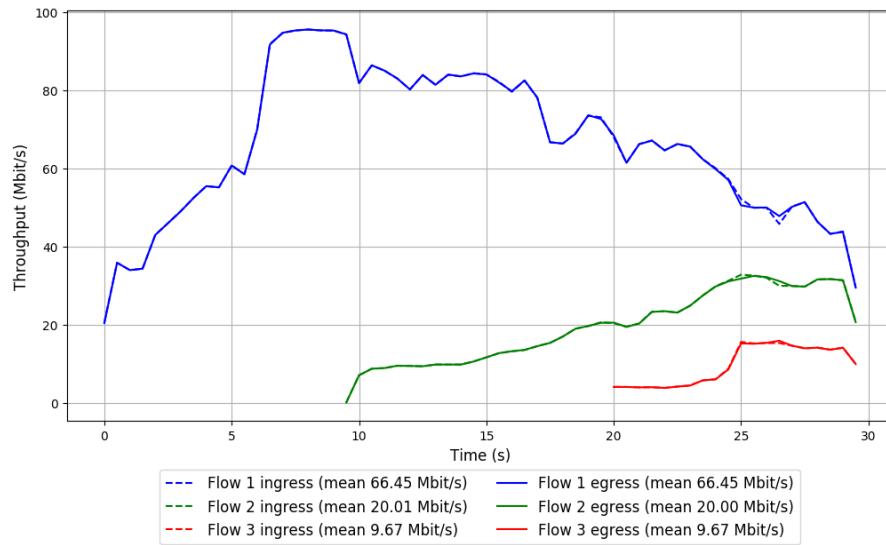


Run 10: Statistics of PCC

```
Start at: 2018-01-10 02:14:33
End at: 2018-01-10 02:15:03
Local clock offset: -0.121 ms
Remote clock offset: 0.702 ms

# Below is generated by plot.py at 2018-01-10 05:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.95 Mbit/s
95th percentile per-packet one-way delay: 21.204 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 66.45 Mbit/s
95th percentile per-packet one-way delay: 8.065 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 20.00 Mbit/s
95th percentile per-packet one-way delay: 22.709 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 23.289 ms
Loss rate: 0.08%
```

Run 10: Report of PCC — Data Link

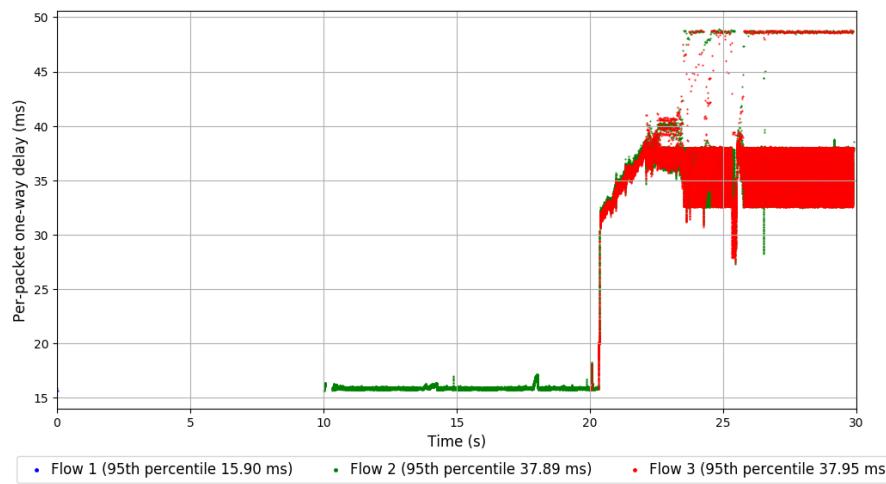
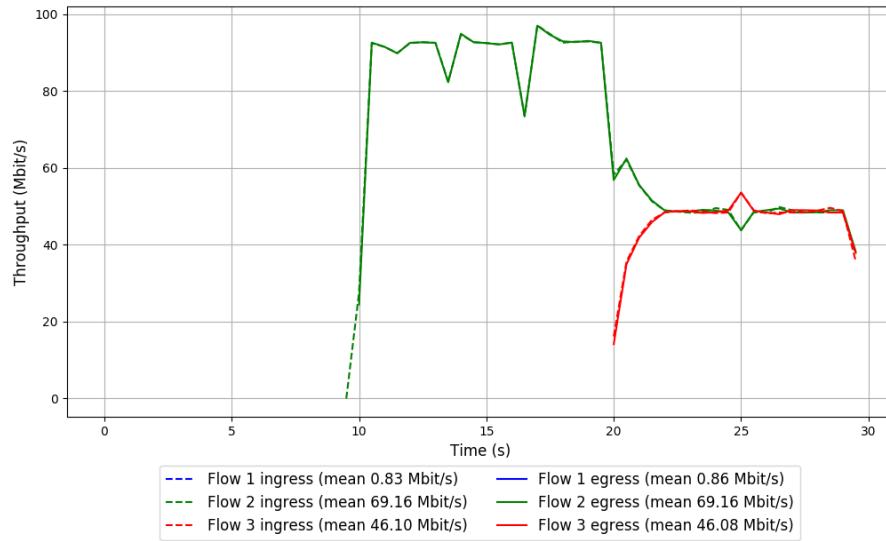


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-09 23:38:27
End at: 2018-01-09 23:38:57
Local clock offset: -0.061 ms
Remote clock offset: -13.51 ms

# Below is generated by plot.py at 2018-01-10 05:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.24 Mbit/s
95th percentile per-packet one-way delay: 37.918 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 15.902 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.16 Mbit/s
95th percentile per-packet one-way delay: 37.892 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 46.08 Mbit/s
95th percentile per-packet one-way delay: 37.954 ms
Loss rate: 0.24%
```

Run 1: Report of QUIC Cubic — Data Link

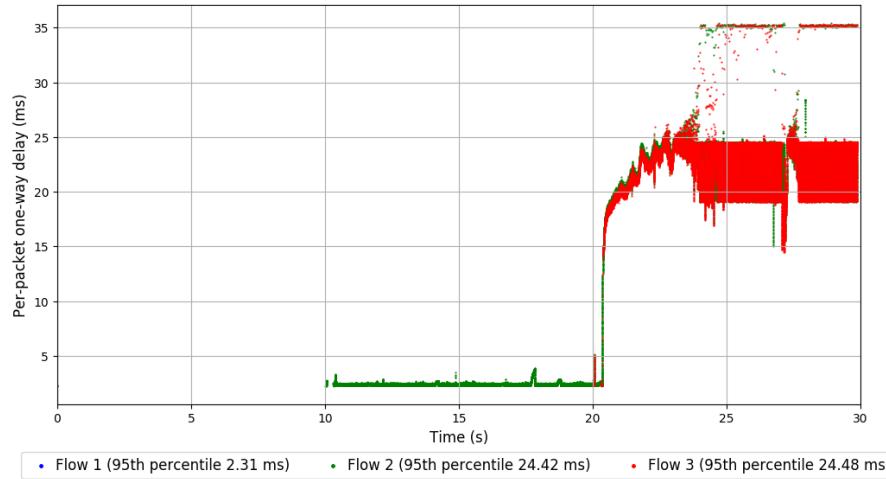
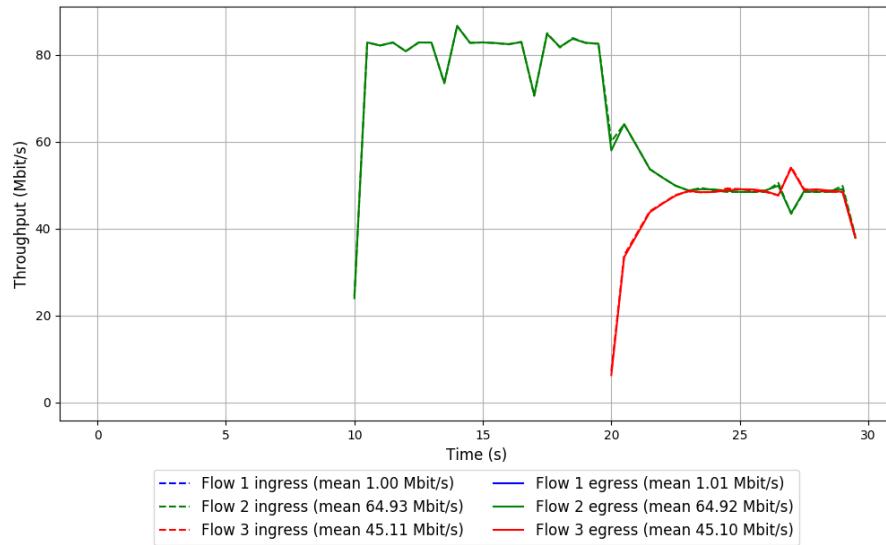


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-01-09 23:55:25
End at: 2018-01-09 23:55:55
Local clock offset: -0.149 ms
Remote clock offset: 0.17 ms

# Below is generated by plot.py at 2018-01-10 05:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.06 Mbit/s
95th percentile per-packet one-way delay: 24.445 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 2.305 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.92 Mbit/s
95th percentile per-packet one-way delay: 24.418 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 45.10 Mbit/s
95th percentile per-packet one-way delay: 24.482 ms
Loss rate: 0.24%
```

Run 2: Report of QUIC Cubic — Data Link

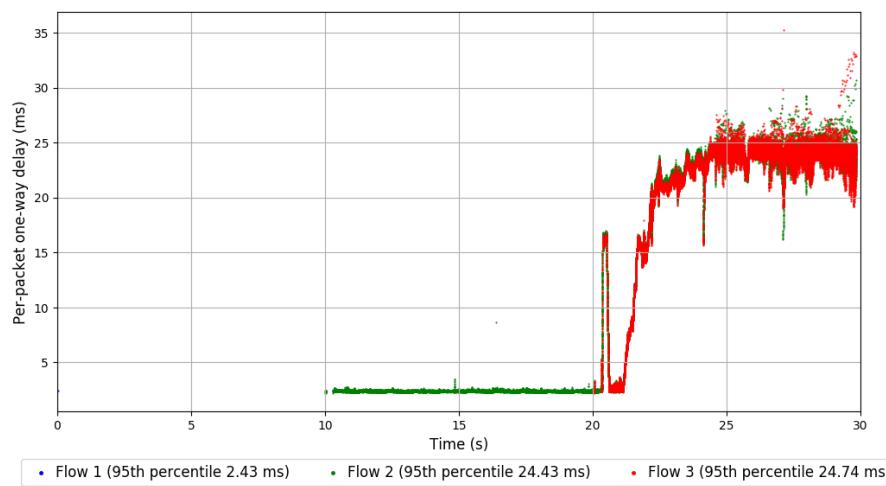
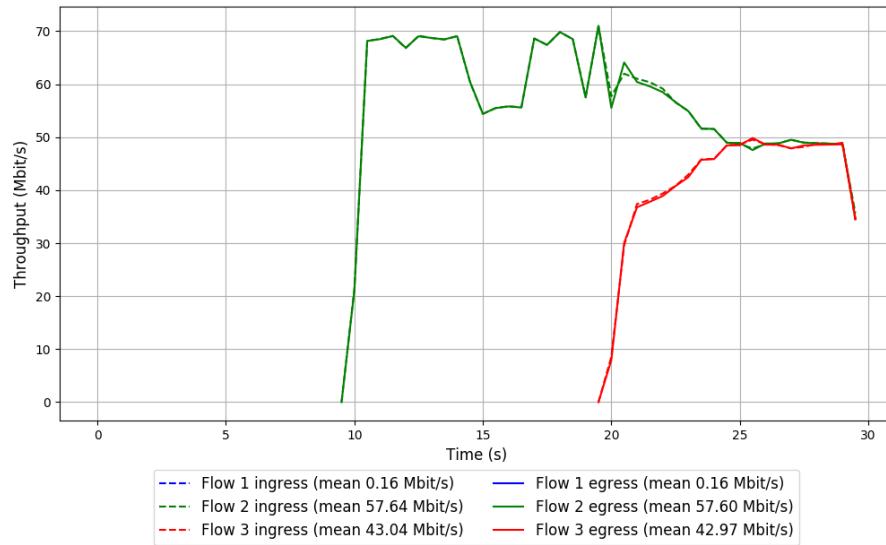


```
Run 3: Statistics of QUIC Cubic
```

```
Start at: 2018-01-10 00:12:24
End at: 2018-01-10 00:12:54
Local clock offset: -0.206 ms
Remote clock offset: 0.294 ms

# Below is generated by plot.py at 2018-01-10 05:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.51 Mbit/s
95th percentile per-packet one-way delay: 24.493 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 2.427 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.60 Mbit/s
95th percentile per-packet one-way delay: 24.433 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 42.97 Mbit/s
95th percentile per-packet one-way delay: 24.741 ms
Loss rate: 0.26%
```

Run 3: Report of QUIC Cubic — Data Link

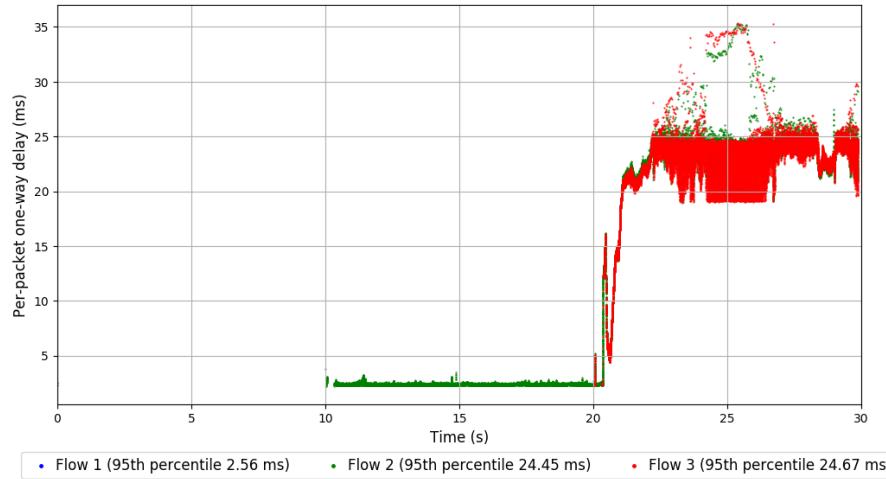
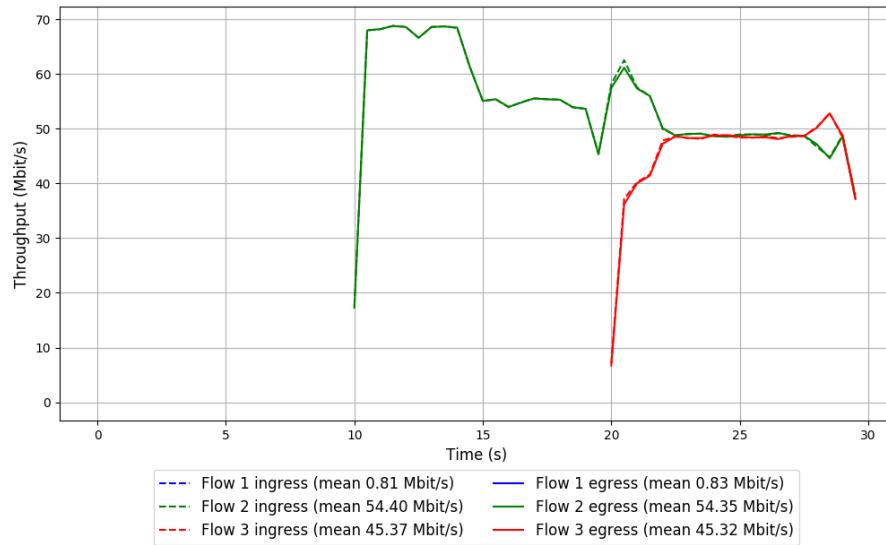


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-01-10 00:29:22
End at: 2018-01-10 00:29:52
Local clock offset: -0.254 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-01-10 05:29:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 24.488 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 2.562 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.35 Mbit/s
95th percentile per-packet one-way delay: 24.455 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 45.32 Mbit/s
95th percentile per-packet one-way delay: 24.670 ms
Loss rate: 0.29%
```

Run 4: Report of QUIC Cubic — Data Link

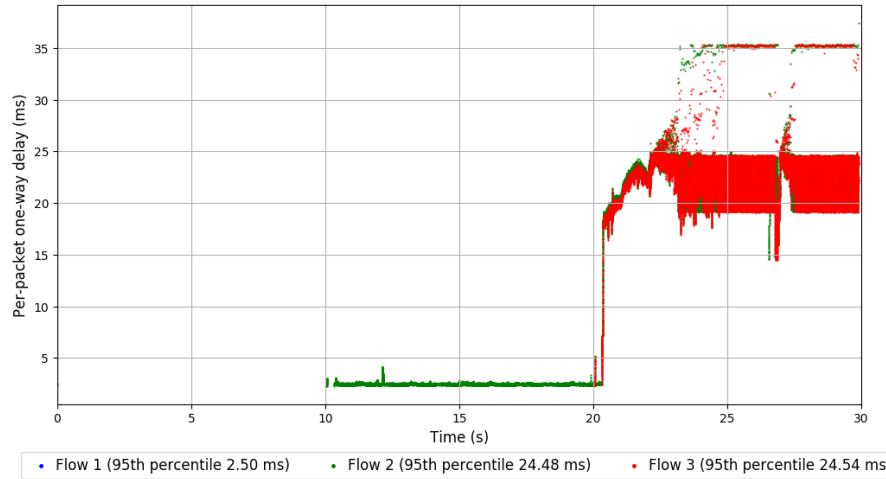
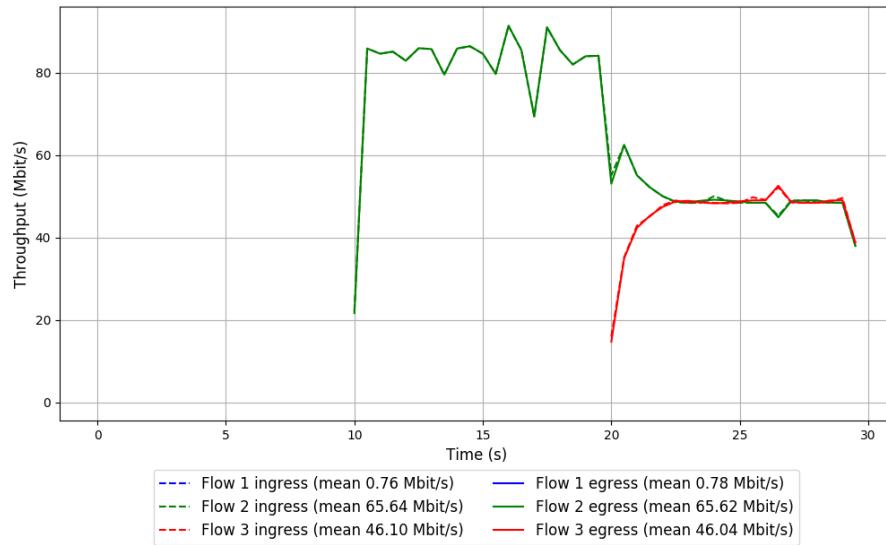


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-01-10 00:46:22
End at: 2018-01-10 00:46:52
Local clock offset: -0.19 ms
Remote clock offset: 0.057 ms

# Below is generated by plot.py at 2018-01-10 05:29:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.83 Mbit/s
95th percentile per-packet one-way delay: 24.503 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 2.505 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.62 Mbit/s
95th percentile per-packet one-way delay: 24.483 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 46.04 Mbit/s
95th percentile per-packet one-way delay: 24.536 ms
Loss rate: 0.25%
```

Run 5: Report of QUIC Cubic — Data Link

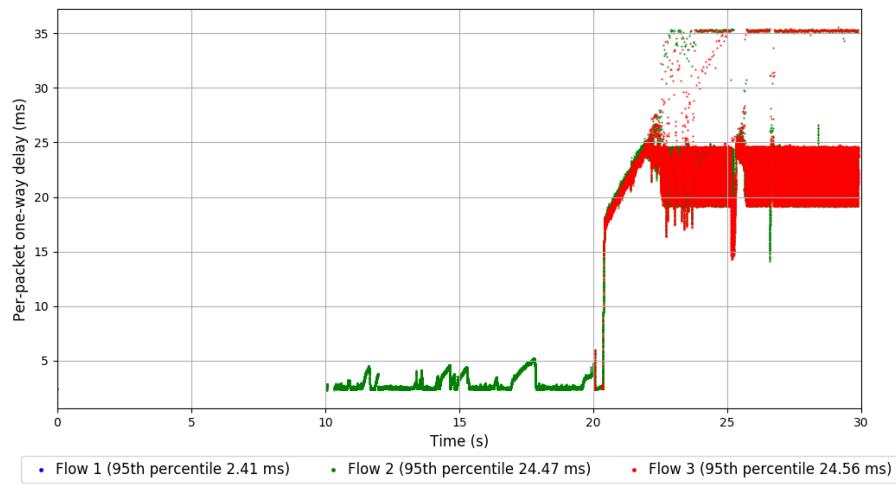
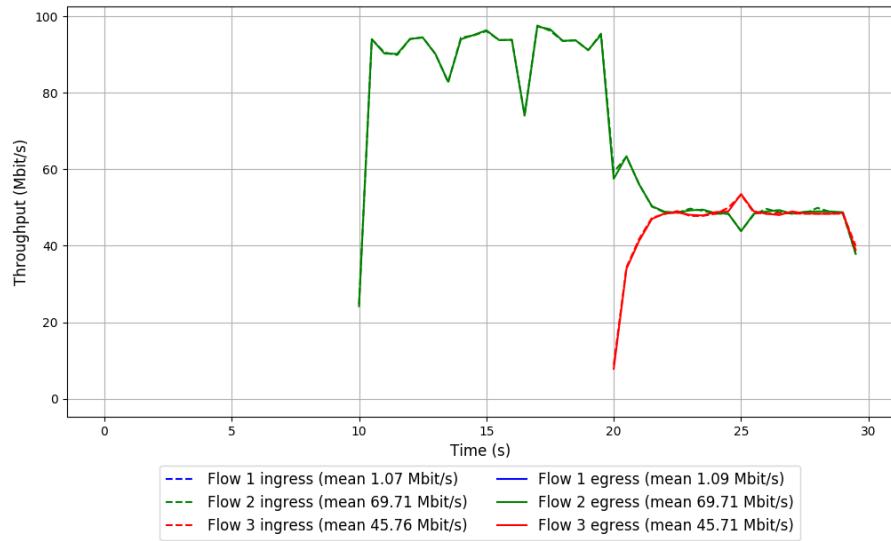


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-01-10 01:03:21
End at: 2018-01-10 01:03:51
Local clock offset: -0.28 ms
Remote clock offset: 0.189 ms

# Below is generated by plot.py at 2018-01-10 05:29:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.41 Mbit/s
95th percentile per-packet one-way delay: 24.508 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 2.411 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.71 Mbit/s
95th percentile per-packet one-way delay: 24.469 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 45.71 Mbit/s
95th percentile per-packet one-way delay: 24.557 ms
Loss rate: 0.33%
```

Run 6: Report of QUIC Cubic — Data Link

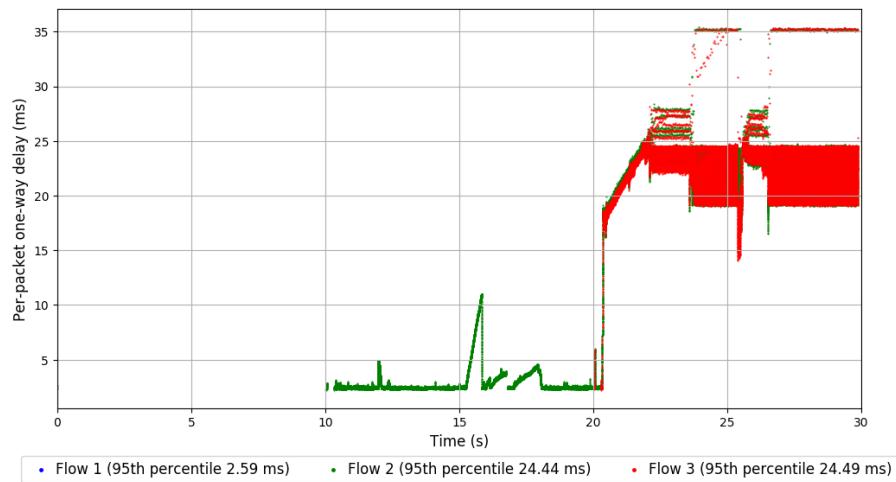
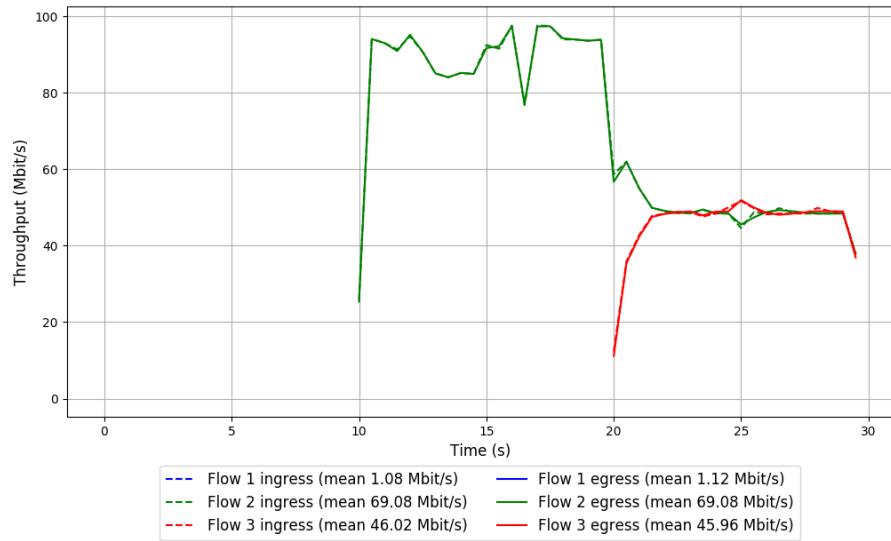


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-01-10 01:20:17
End at: 2018-01-10 01:20:47
Local clock offset: -0.25 ms
Remote clock offset: 0.437 ms

# Below is generated by plot.py at 2018-01-10 05:29:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.11 Mbit/s
95th percentile per-packet one-way delay: 24.461 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 2.590 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.08 Mbit/s
95th percentile per-packet one-way delay: 24.436 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 45.96 Mbit/s
95th percentile per-packet one-way delay: 24.493 ms
Loss rate: 0.34%
```

Run 7: Report of QUIC Cubic — Data Link

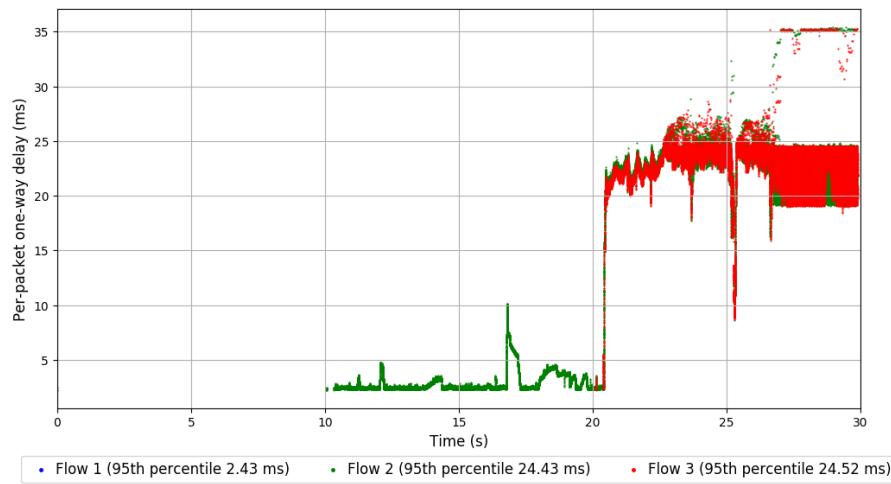
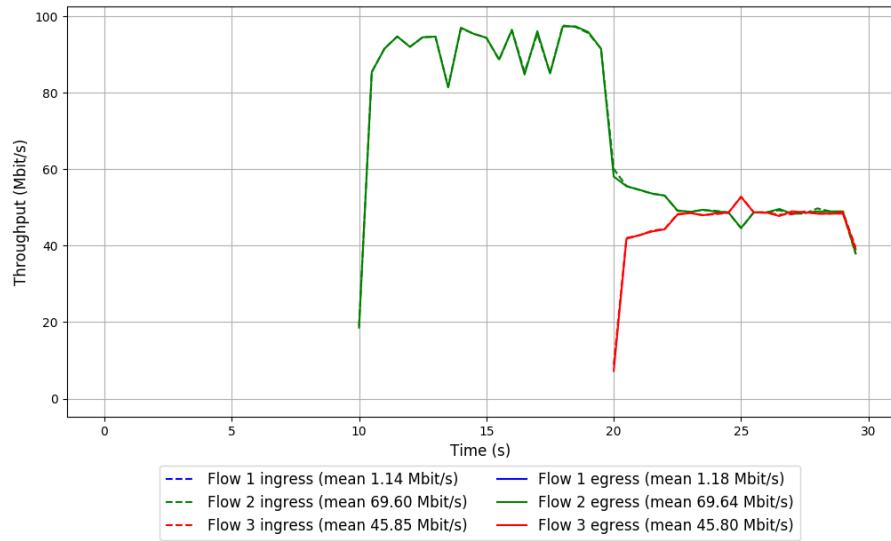


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-01-10 01:37:15
End at: 2018-01-10 01:37:45
Local clock offset: -0.262 ms
Remote clock offset: 0.537 ms

# Below is generated by plot.py at 2018-01-10 05:29:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.36 Mbit/s
95th percentile per-packet one-way delay: 24.464 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 2.430 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.64 Mbit/s
95th percentile per-packet one-way delay: 24.432 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 24.524 ms
Loss rate: 0.34%
```

Run 8: Report of QUIC Cubic — Data Link

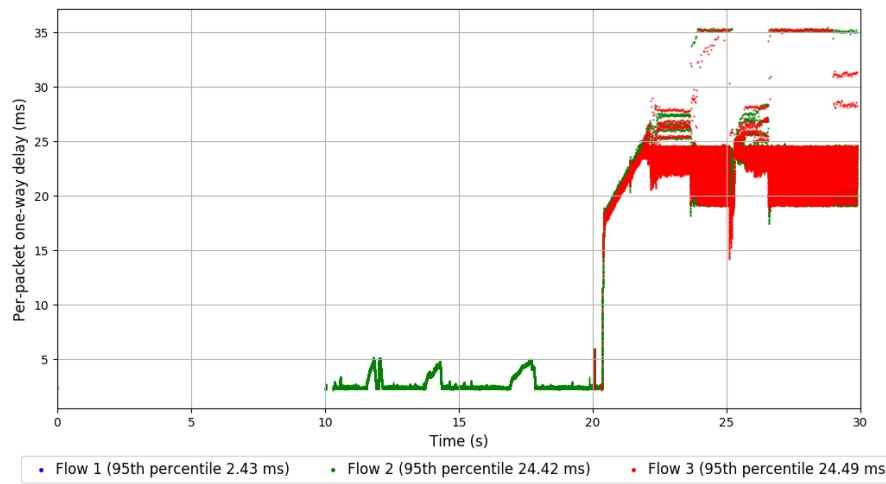
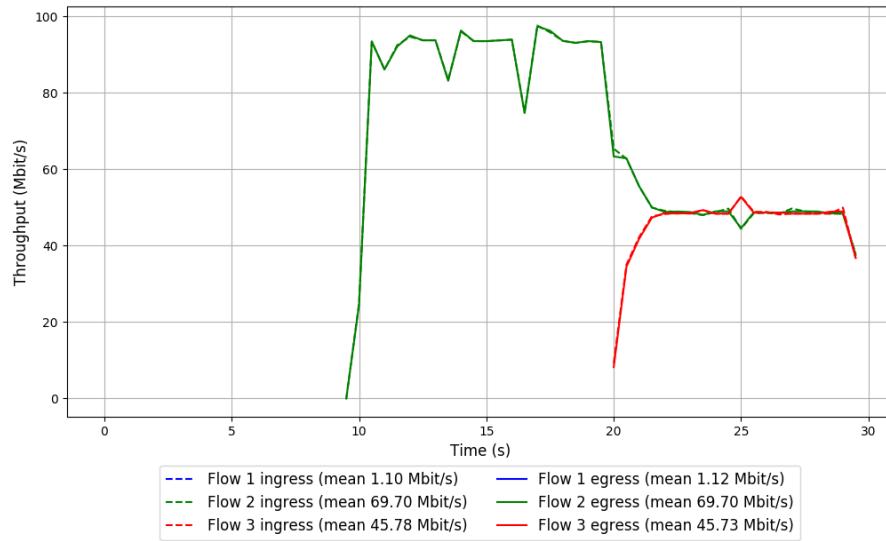


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-01-10 01:54:13
End at: 2018-01-10 01:54:43
Local clock offset: -0.215 ms
Remote clock offset: 0.617 ms

# Below is generated by plot.py at 2018-01-10 05:30:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.48 Mbit/s
95th percentile per-packet one-way delay: 24.451 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 2.434 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.70 Mbit/s
95th percentile per-packet one-way delay: 24.421 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 45.73 Mbit/s
95th percentile per-packet one-way delay: 24.490 ms
Loss rate: 0.28%
```

Run 9: Report of QUIC Cubic — Data Link

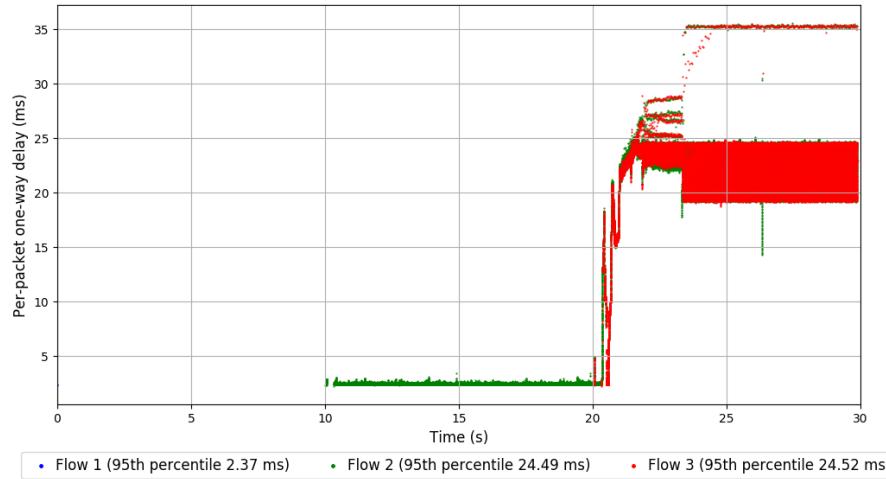
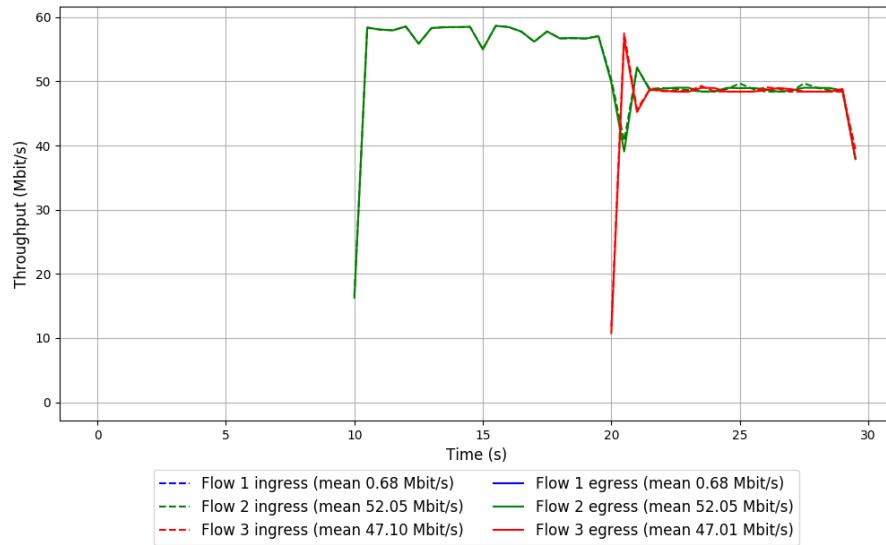


```
Run 10: Statistics of QUIC Cubic

Start at: 2018-01-10 02:11:12
End at: 2018-01-10 02:11:42
Local clock offset: -0.107 ms
Remote clock offset: 0.683 ms

# Below is generated by plot.py at 2018-01-10 05:30:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 24.502 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 2.365 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 52.05 Mbit/s
95th percentile per-packet one-way delay: 24.493 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 24.515 ms
Loss rate: 0.33%
```

Run 10: Report of QUIC Cubic — Data Link

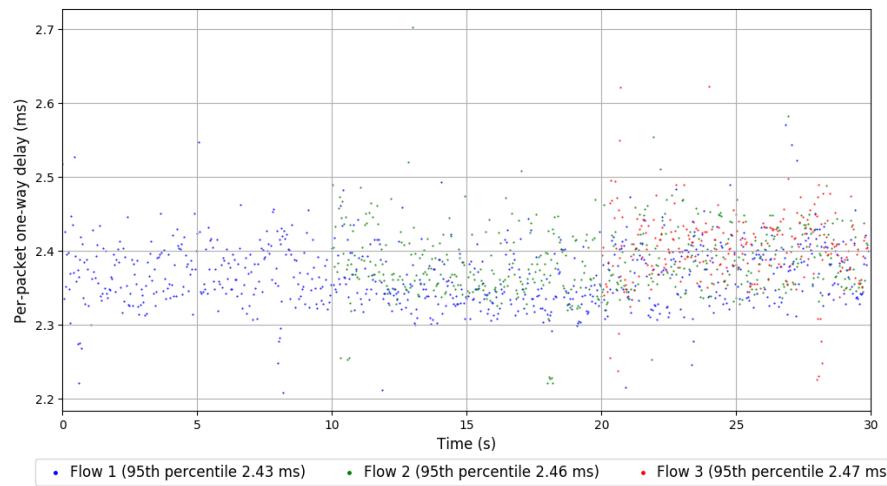
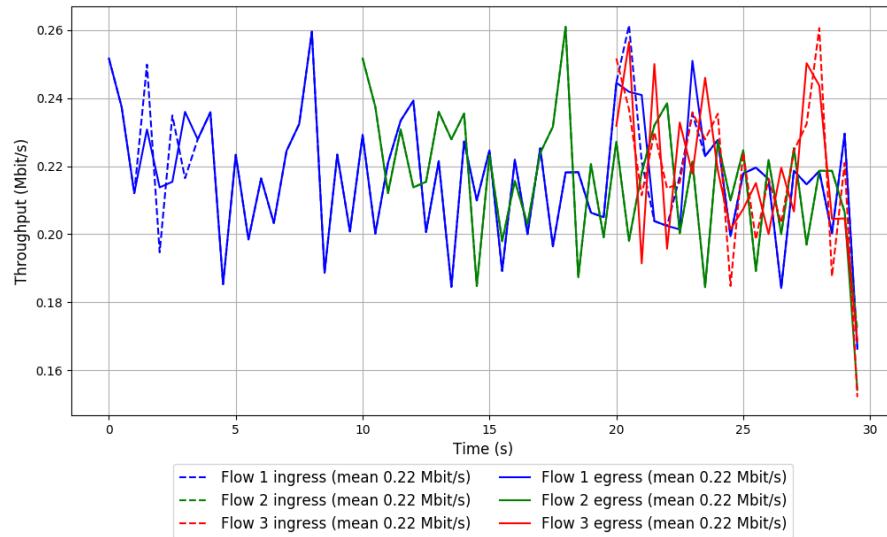


```
Run 1: Statistics of SCReAM

Start at: 2018-01-09 23:51:59
End at: 2018-01-09 23:52:29
Local clock offset: -0.122 ms
Remote clock offset: 0.138 ms

# Below is generated by plot.py at 2018-01-10 05:30:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.452 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.432 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.458 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.473 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

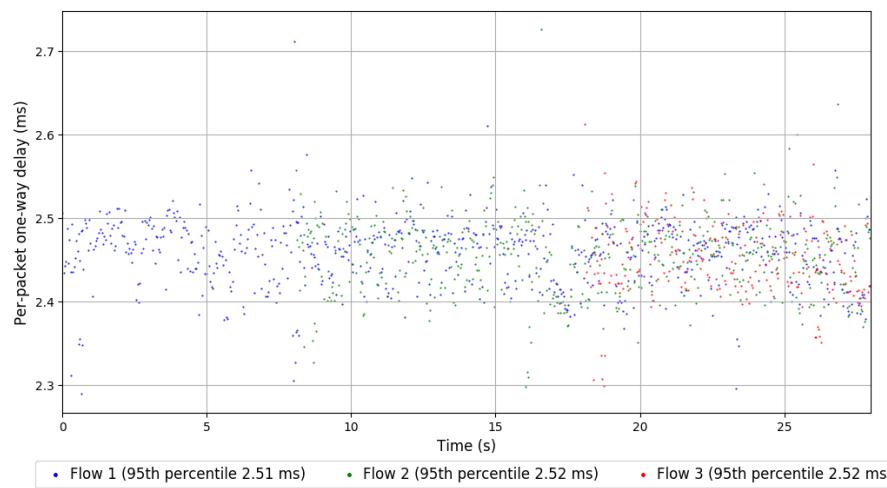
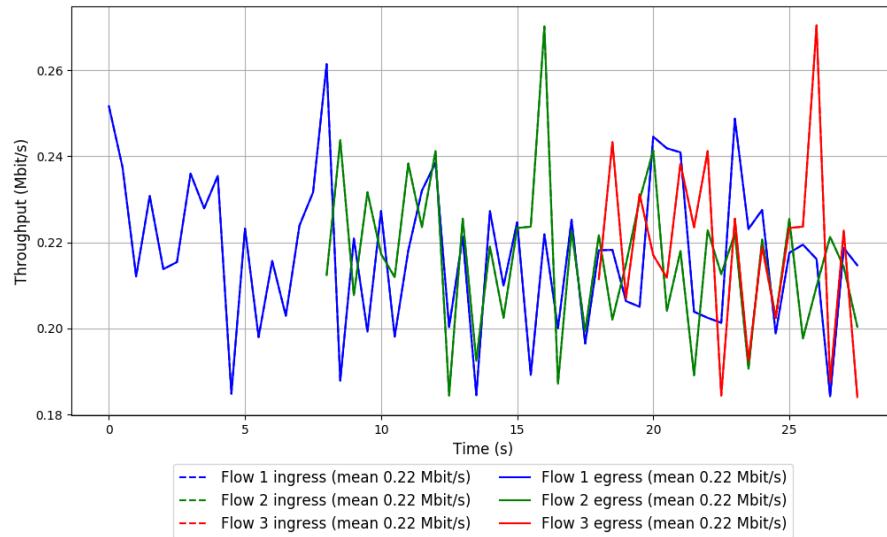


Run 2: Statistics of SCReAM

```
Start at: 2018-01-10 00:09:00
End at: 2018-01-10 00:09:30
Local clock offset: -0.17 ms
Remote clock offset: 0.311 ms

# Below is generated by plot.py at 2018-01-10 05:30:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 2.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.511 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.524 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.520 ms
Loss rate: 0.00%
```

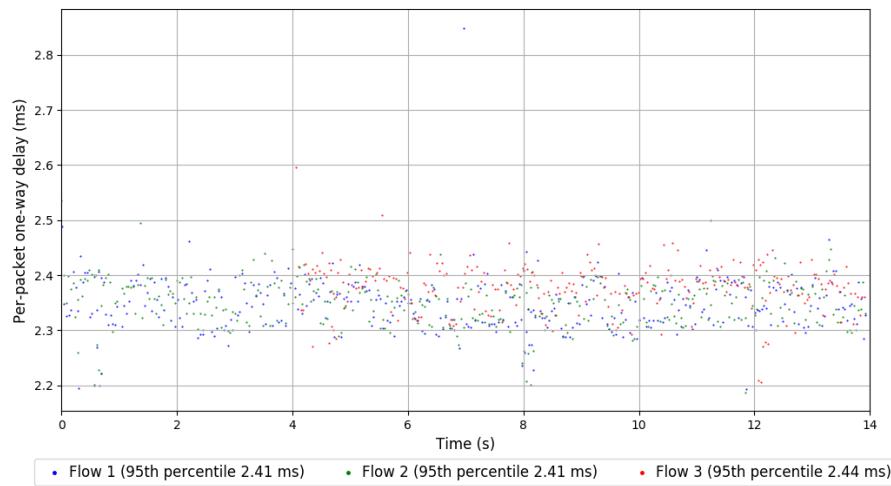
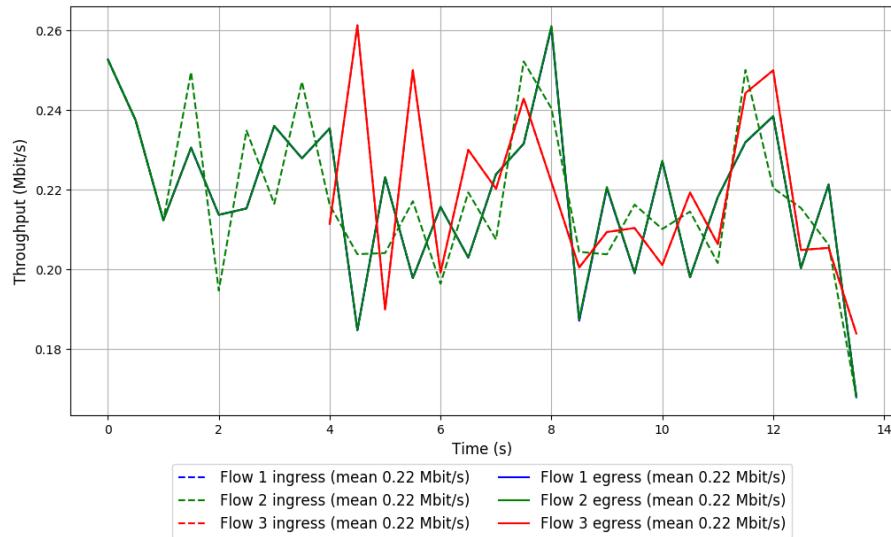
Run 2: Report of SCReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-10 00:25:56
End at: 2018-01-10 00:26:27
Local clock offset: -0.247 ms
Remote clock offset: 0.044 ms

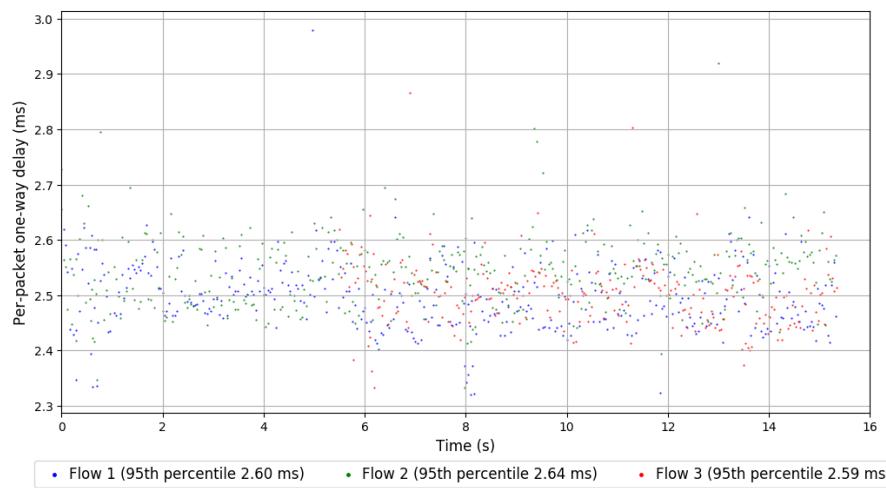
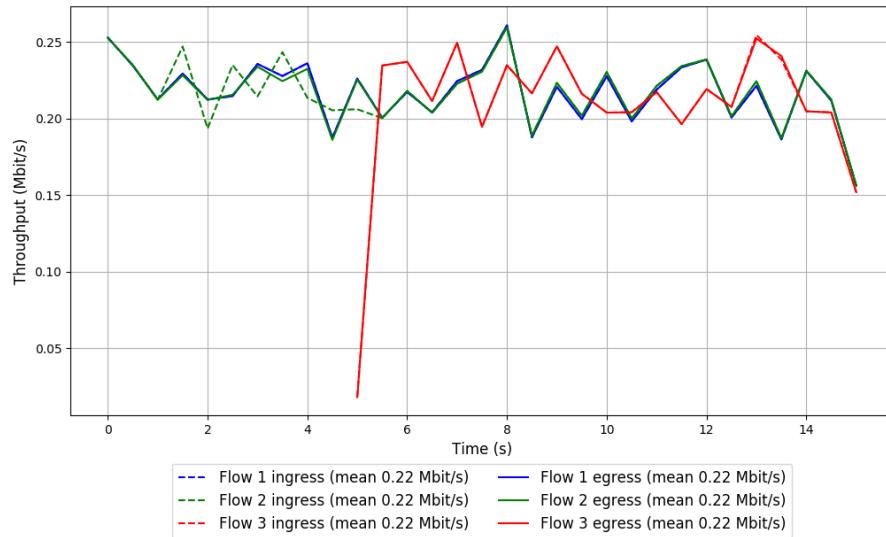
Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-01-10 00:42:58
End at: 2018-01-10 00:43:28
Local clock offset: -0.137 ms
Remote clock offset: 0.04 ms

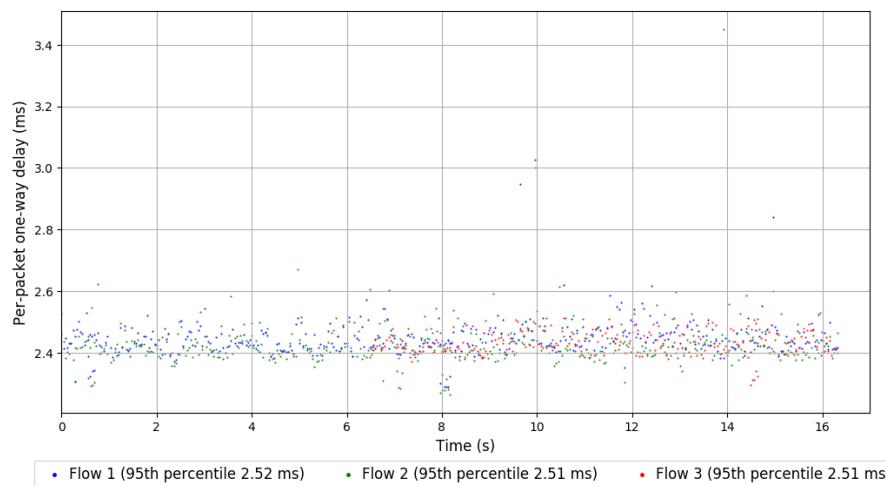
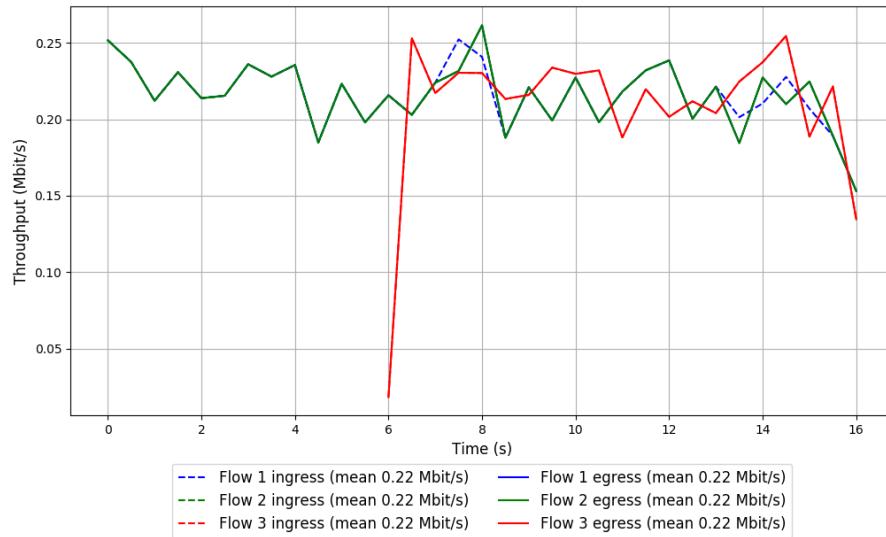
Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-01-10 00:59:55
End at: 2018-01-10 01:00:25
Local clock offset: -0.287 ms
Remote clock offset: 0.159 ms

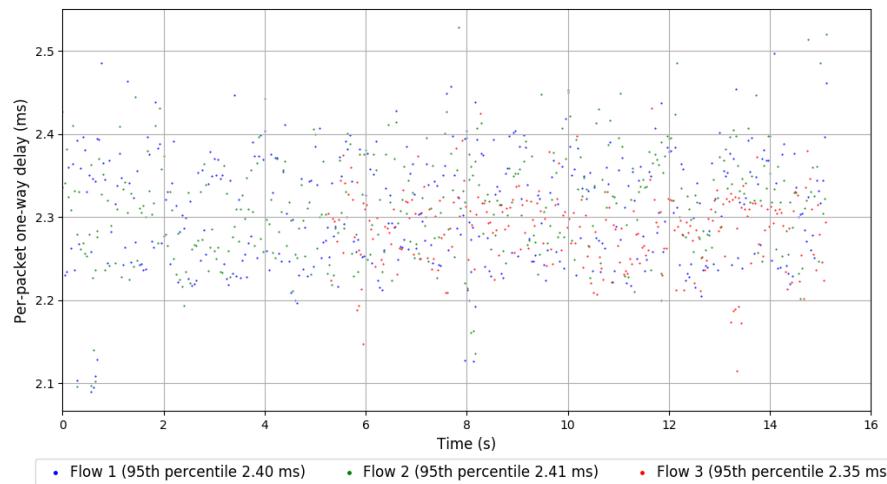
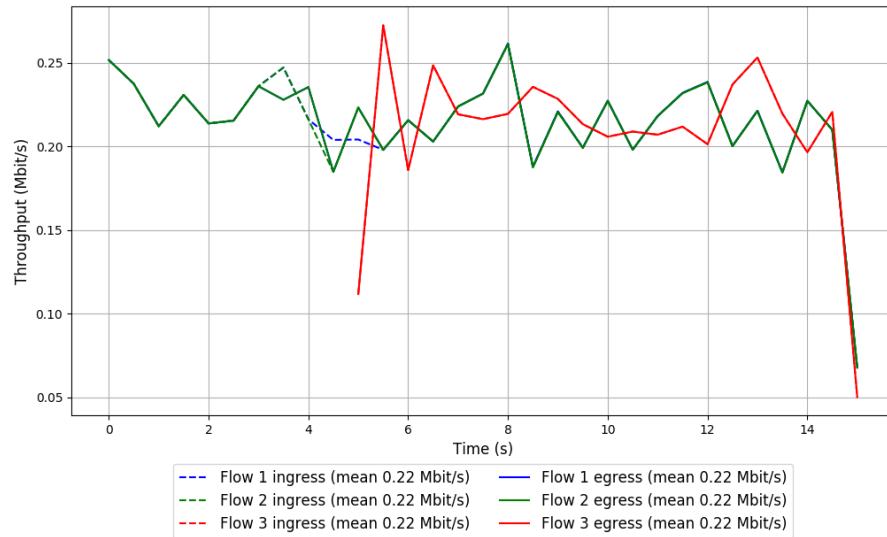
Run 5: Report of SCReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-01-10 01:16:53
End at: 2018-01-10 01:17:23
Local clock offset: -0.36 ms
Remote clock offset: 0.425 ms

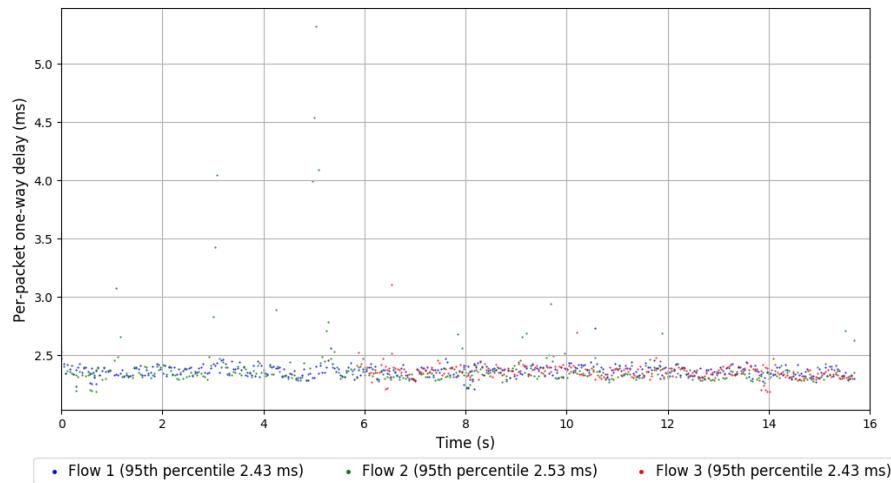
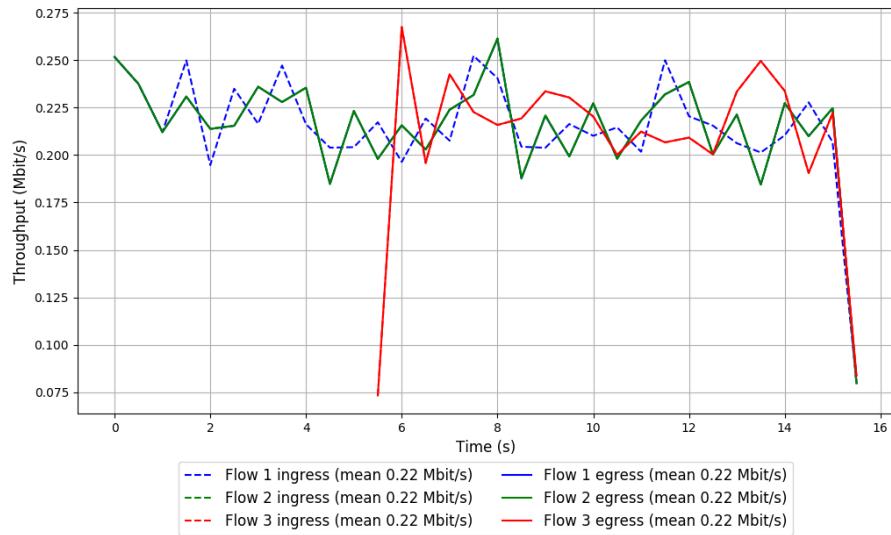
Run 6: Report of SCReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-10 01:33:50
End at: 2018-01-10 01:34:20
Local clock offset: -0.312 ms
Remote clock offset: 0.521 ms

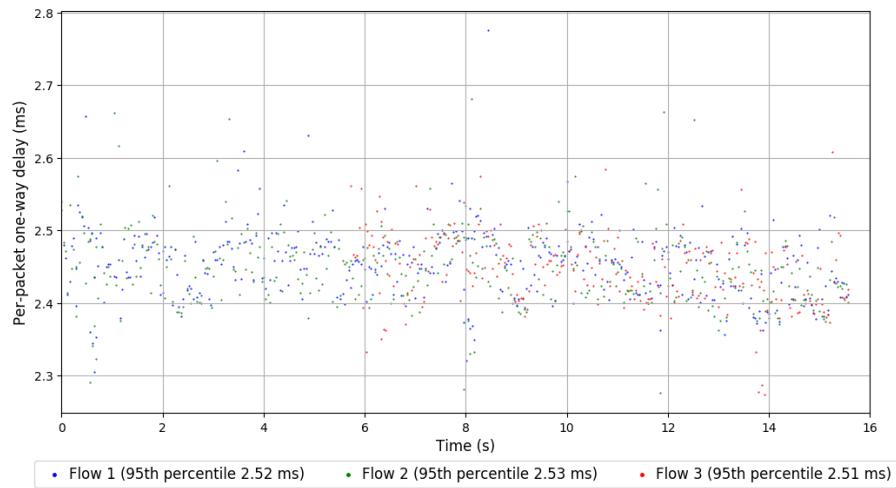
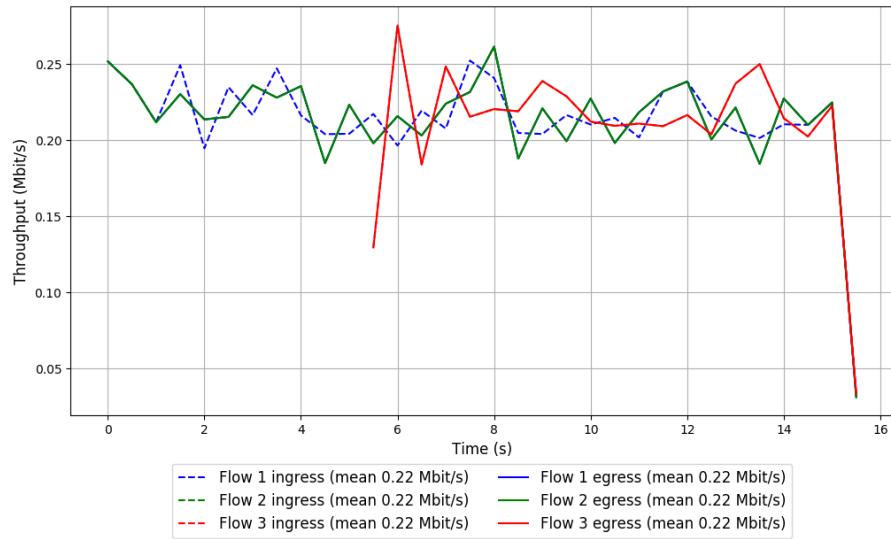
Run 7: Report of SCReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-10 01:50:47
End at: 2018-01-10 01:51:17
Local clock offset: -0.254 ms
Remote clock offset: 0.531 ms

Run 8: Report of SCReAM — Data Link



Run 9: Statistics of SCReAM

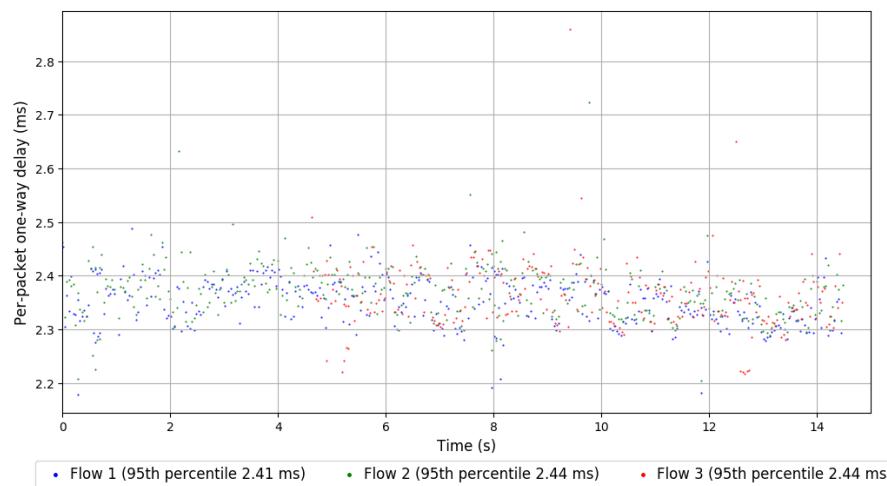
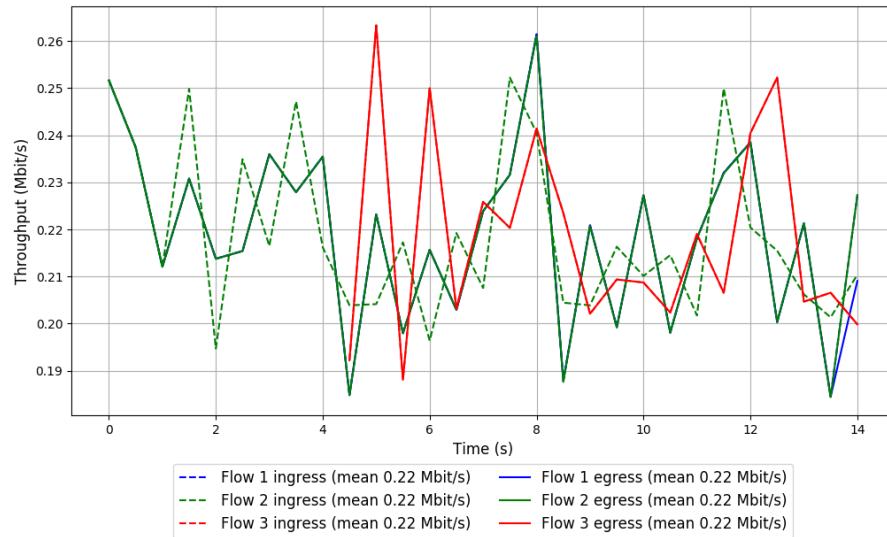
Start at: 2018-01-10 02:07:46

End at: 2018-01-10 02:08:16

Local clock offset: -0.16 ms

Remote clock offset: 0.685 ms

Run 9: Report of SCReAM — Data Link



Run 10: Statistics of SCReAM

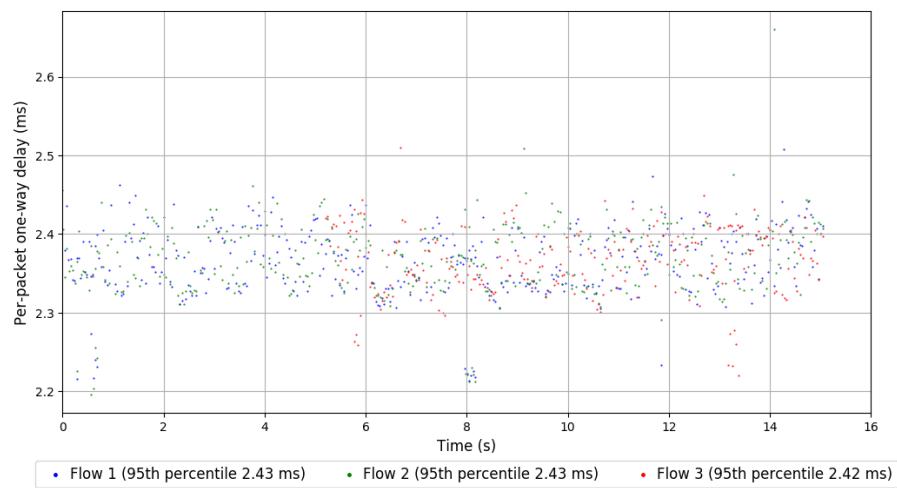
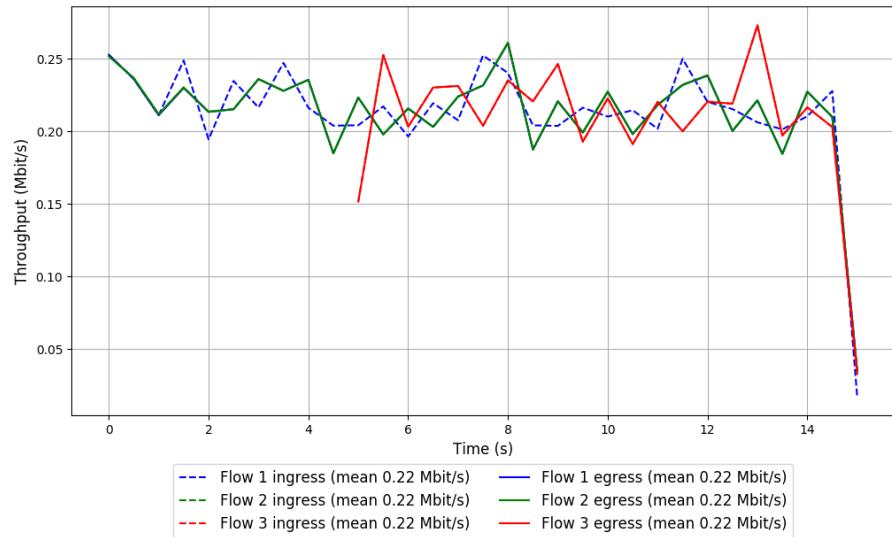
Start at: 2018-01-10 02:24:47

End at: 2018-01-10 02:25:17

Local clock offset: -0.105 ms

Remote clock offset: 0.748 ms

Run 10: Report of SCReAM — Data Link

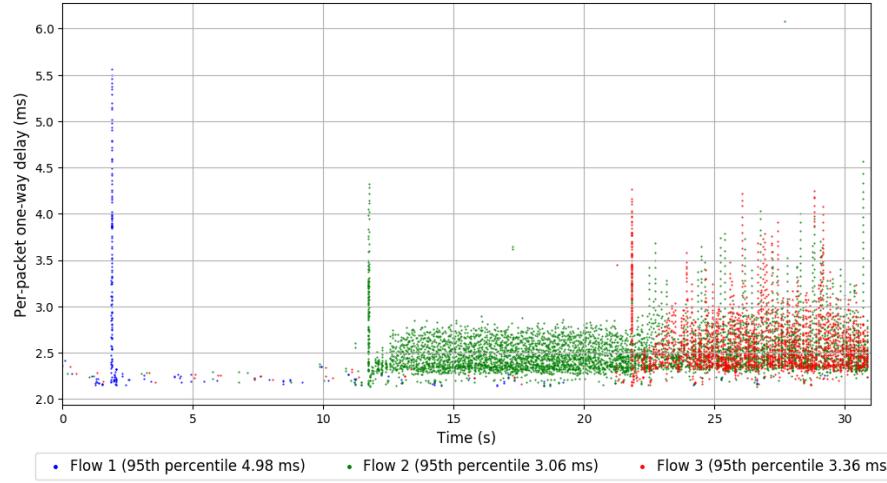
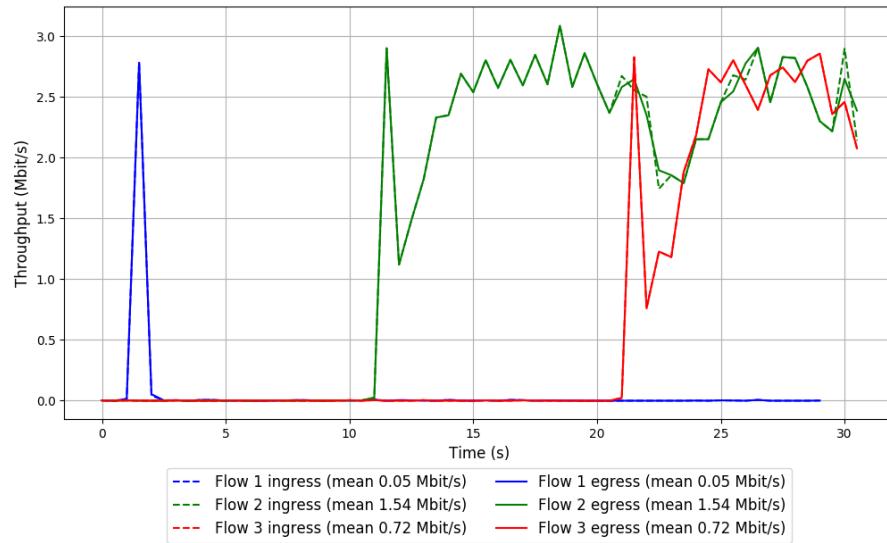


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-09 23:40:43
End at: 2018-01-09 23:41:13
Local clock offset: -0.121 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-01-10 05:30:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 3.245 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.976 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 3.063 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 3.356 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

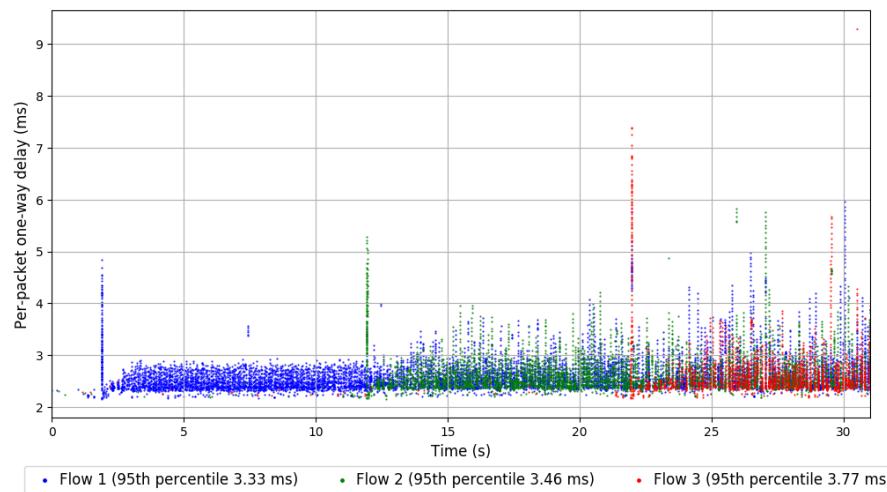
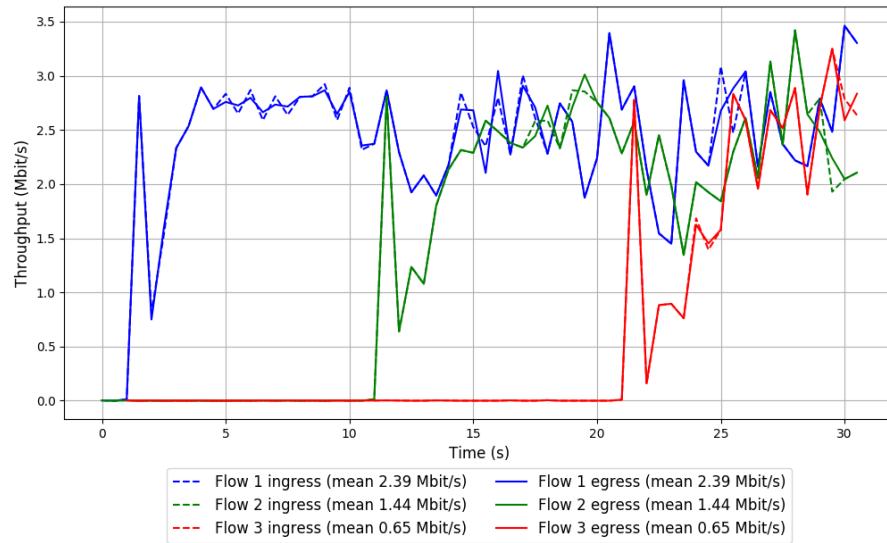


Run 2: Statistics of WebRTC media

```
Start at: 2018-01-09 23:57:41
End at: 2018-01-09 23:58:11
Local clock offset: -0.145 ms
Remote clock offset: 0.211 ms

# Below is generated by plot.py at 2018-01-10 05:30:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 3.421 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 3.326 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 3.462 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 3.765 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

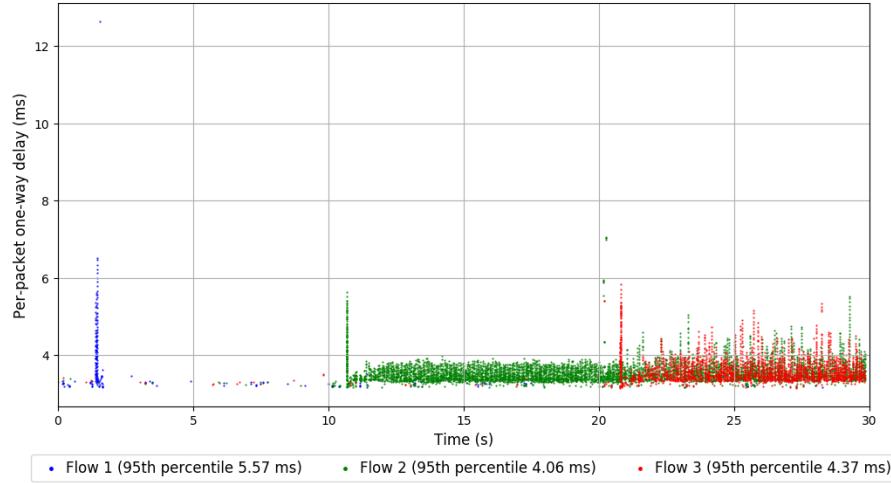
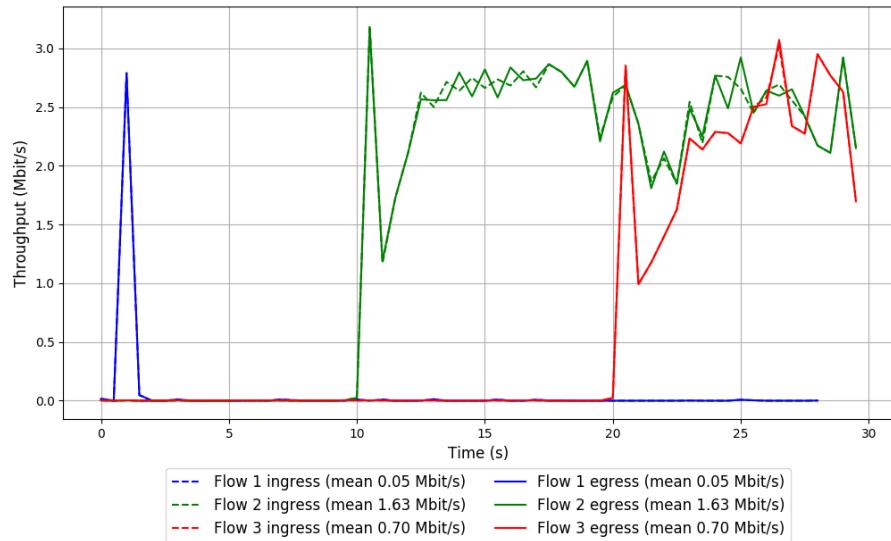


Run 3: Statistics of WebRTC media

```
Start at: 2018-01-10 00:14:41
End at: 2018-01-10 00:15:11
Local clock offset: -0.319 ms
Remote clock offset: -0.858 ms

# Below is generated by plot.py at 2018-01-10 05:30:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 4.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.567 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 4.060 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 4.368 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

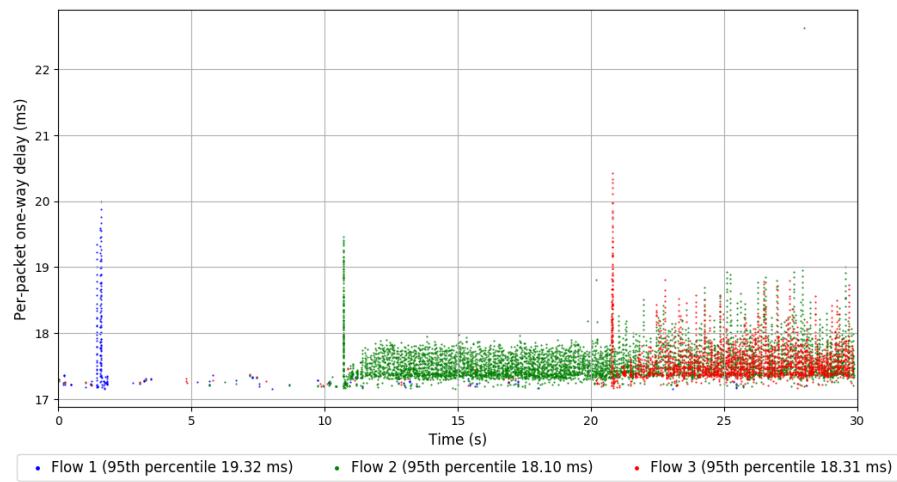
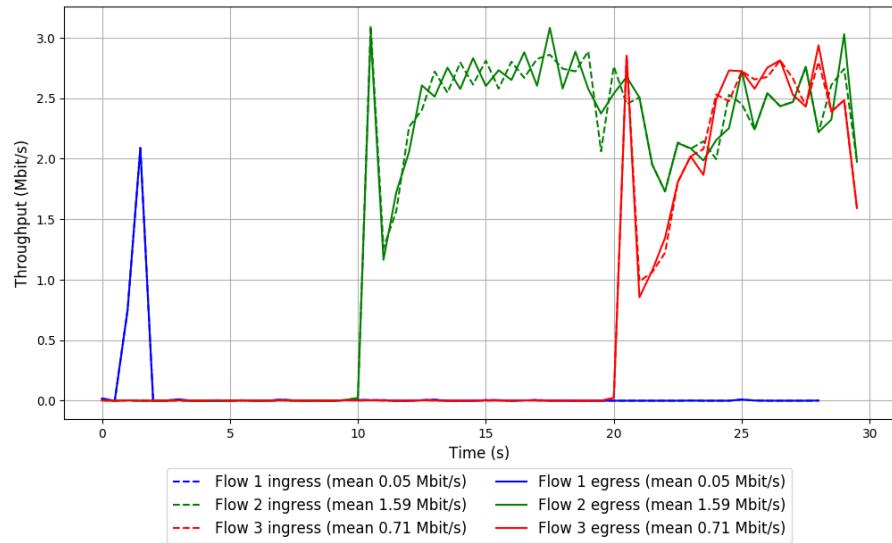


Run 4: Statistics of WebRTC media

```
Start at: 2018-01-10 00:31:39
End at: 2018-01-10 00:32:09
Local clock offset: -0.242 ms
Remote clock offset: -15.063 ms

# Below is generated by plot.py at 2018-01-10 05:30:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 18.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.323 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 18.098 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 18.309 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

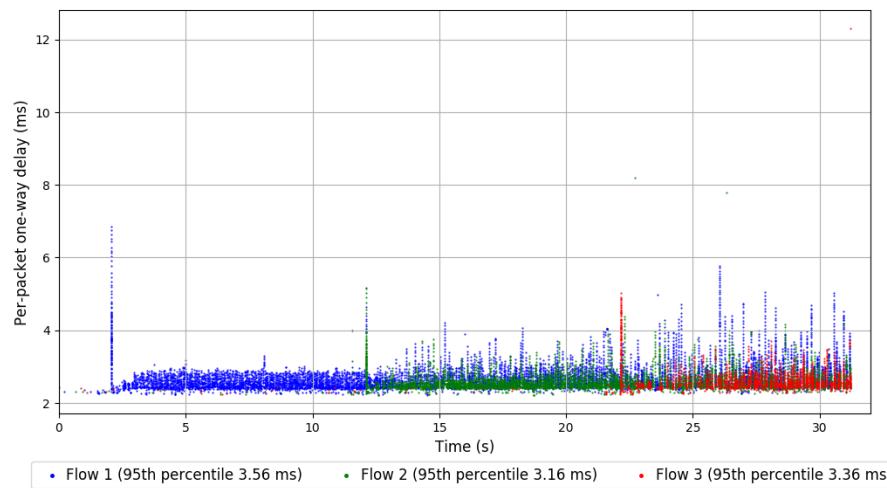


Run 5: Statistics of WebRTC media

```
Start at: 2018-01-10 00:48:39
End at: 2018-01-10 00:49:09
Local clock offset: -0.279 ms
Remote clock offset: 0.022 ms

# Below is generated by plot.py at 2018-01-10 05:30:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 3.393 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 3.560 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 3.157 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 3.357 ms
Loss rate: 0.23%
```

Run 5: Report of WebRTC media — Data Link

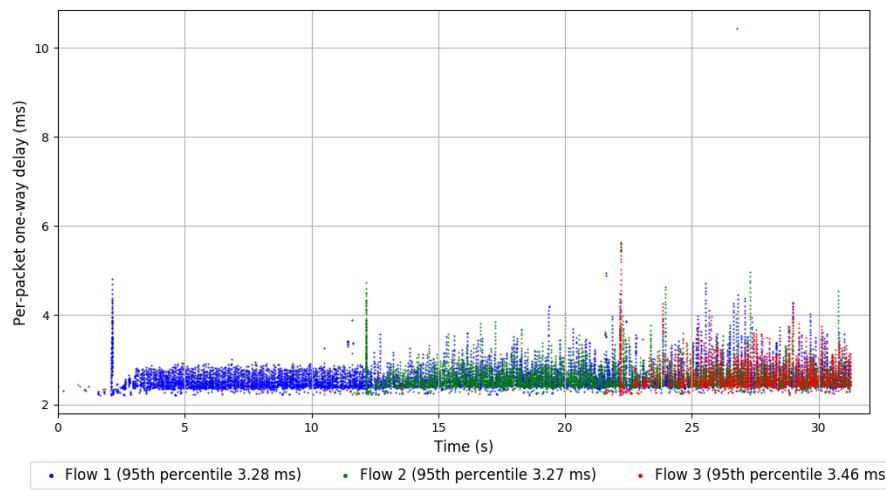
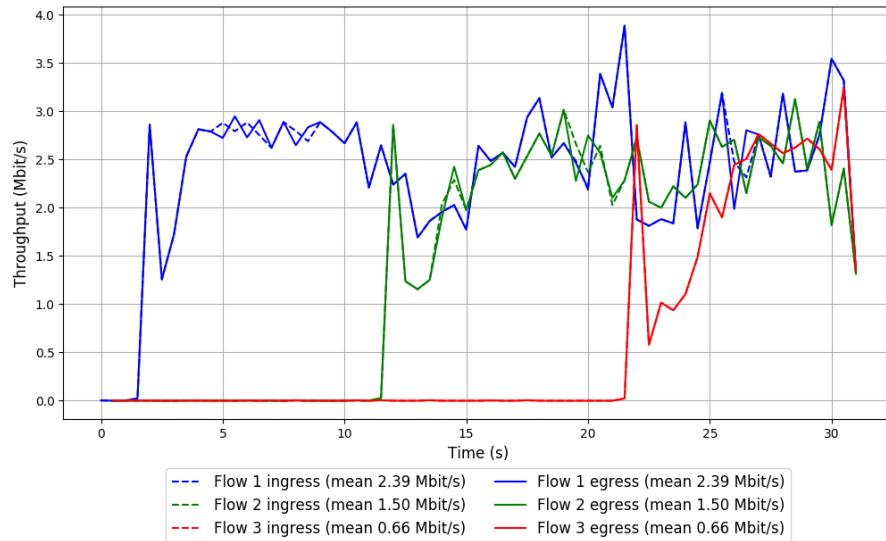


```
Run 6: Statistics of WebRTC media

Start at: 2018-01-10 01:05:37
End at: 2018-01-10 01:06:07
Local clock offset: -0.3 ms
Remote clock offset: 0.221 ms

# Below is generated by plot.py at 2018-01-10 05:30:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 3.308 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 3.276 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 3.273 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 3.464 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

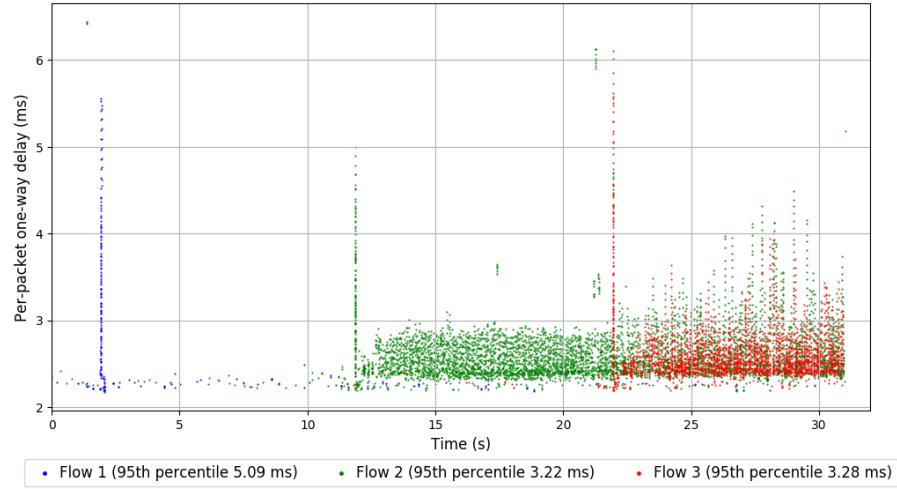
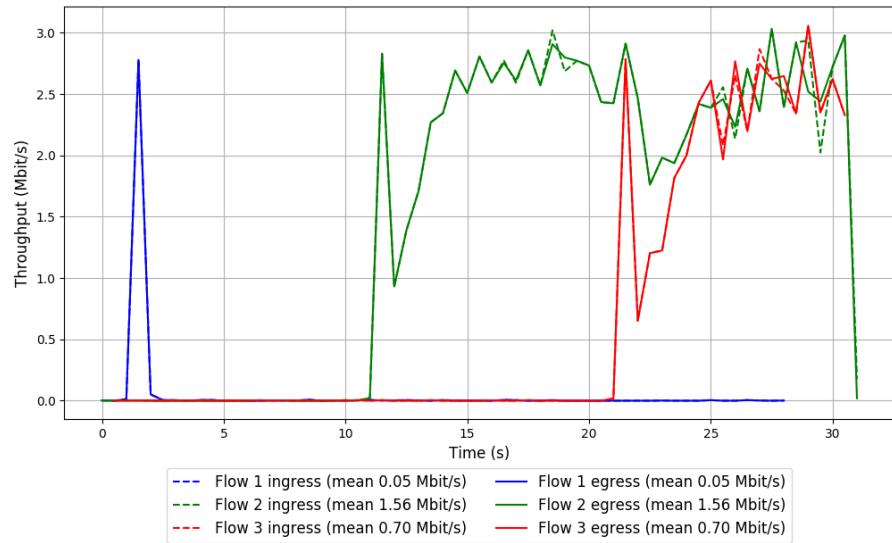


```
Run 7: Statistics of WebRTC media

Start at: 2018-01-10 01:22:34
End at: 2018-01-10 01:23:04
Local clock offset: -0.254 ms
Remote clock offset: 0.434 ms

# Below is generated by plot.py at 2018-01-10 05:30:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 3.310 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.089 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 3.222 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 3.276 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

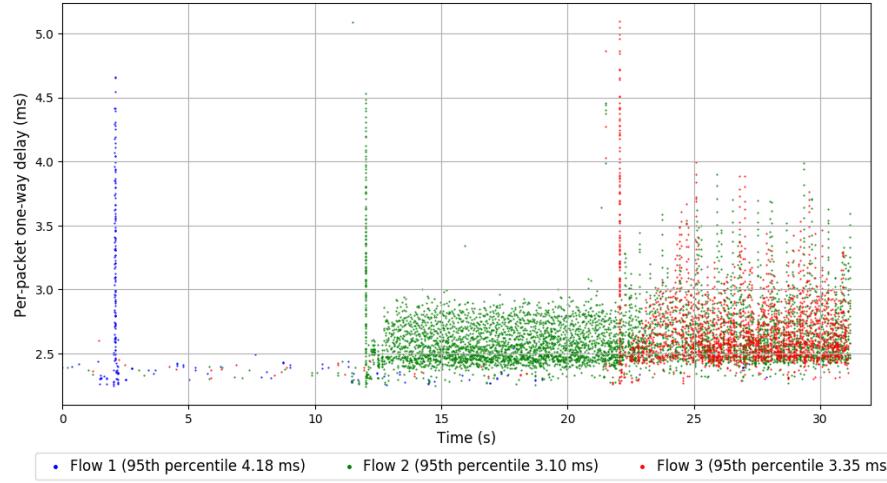
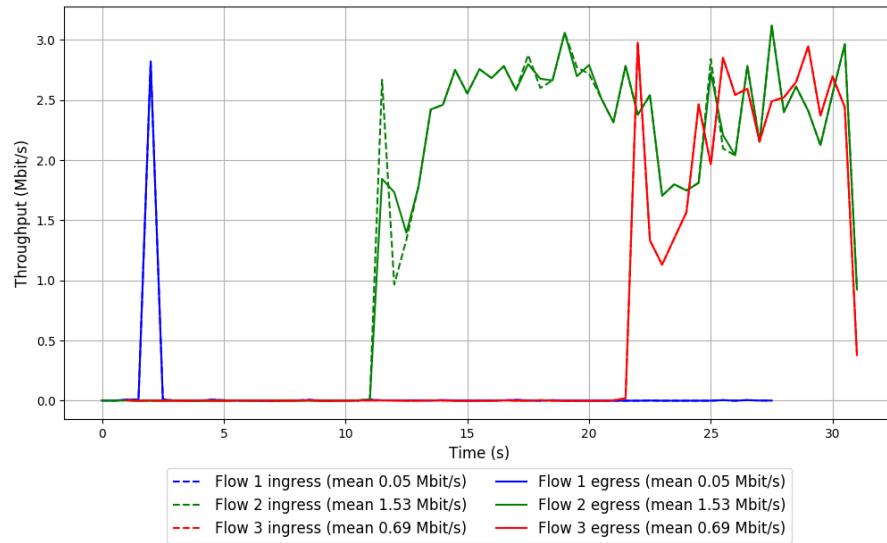


```
Run 8: Statistics of WebRTC media

Start at: 2018-01-10 01:39:32
End at: 2018-01-10 01:40:02
Local clock offset: -0.244 ms
Remote clock offset: 0.471 ms

# Below is generated by plot.py at 2018-01-10 05:30:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 3.243 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.177 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 3.099 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 3.353 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

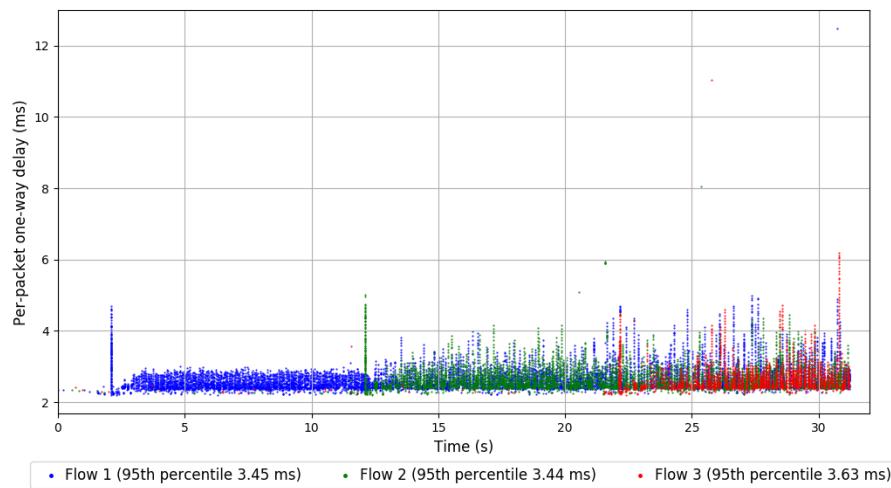
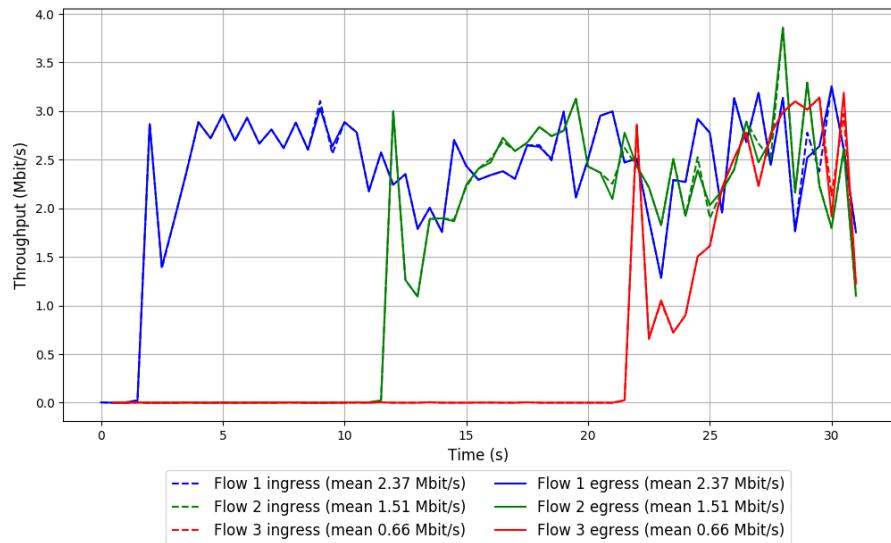


```
Run 9: Statistics of WebRTC media

Start at: 2018-01-10 01:56:30
End at: 2018-01-10 01:57:00
Local clock offset: -0.191 ms
Remote clock offset: 0.612 ms

# Below is generated by plot.py at 2018-01-10 05:30:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 3.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 3.452 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 3.441 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 3.635 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

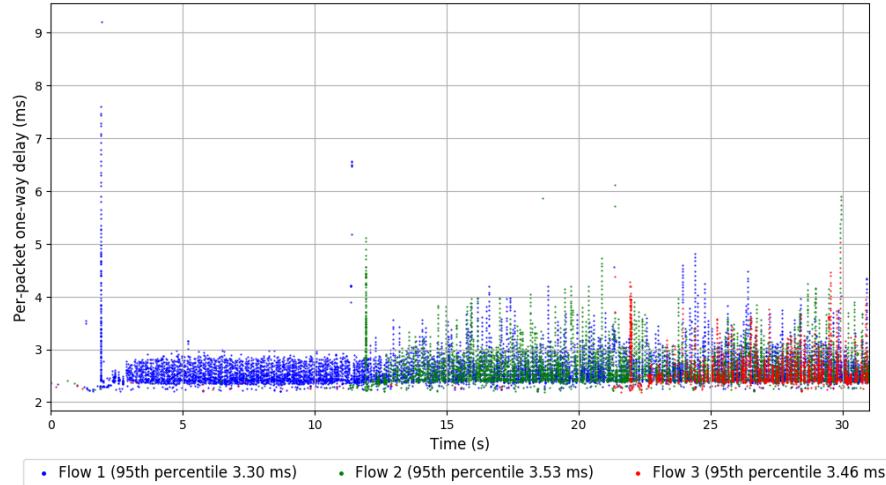
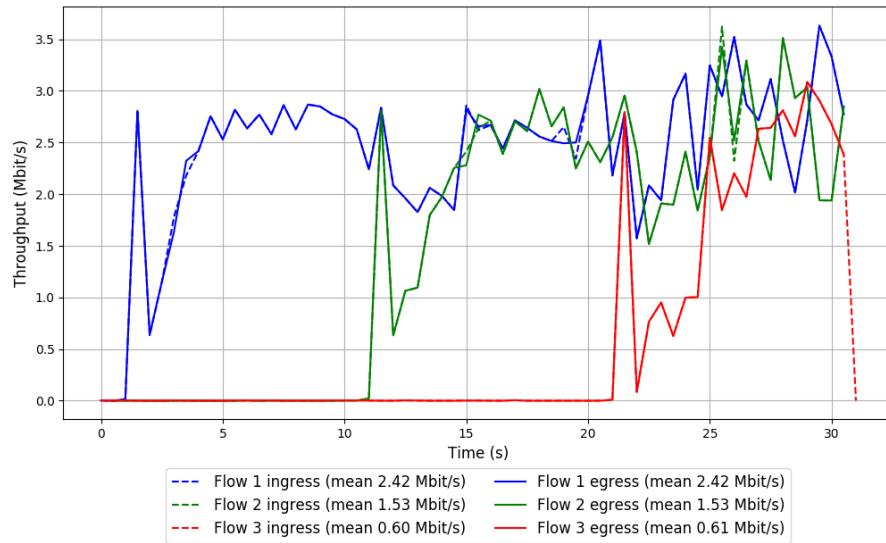


```
Run 10: Statistics of WebRTC media

Start at: 2018-01-10 02:13:28
End at: 2018-01-10 02:13:58
Local clock offset: -0.097 ms
Remote clock offset: 0.693 ms

# Below is generated by plot.py at 2018-01-10 05:30:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 3.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 3.301 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 3.529 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 3.462 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

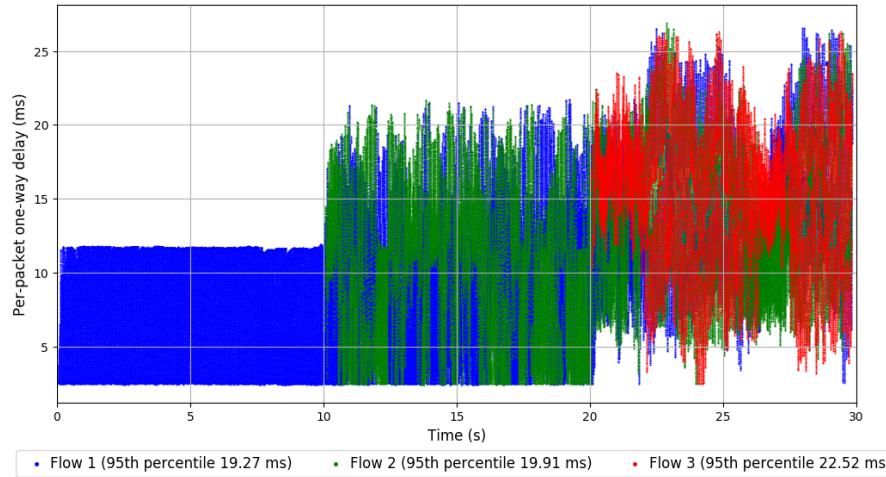
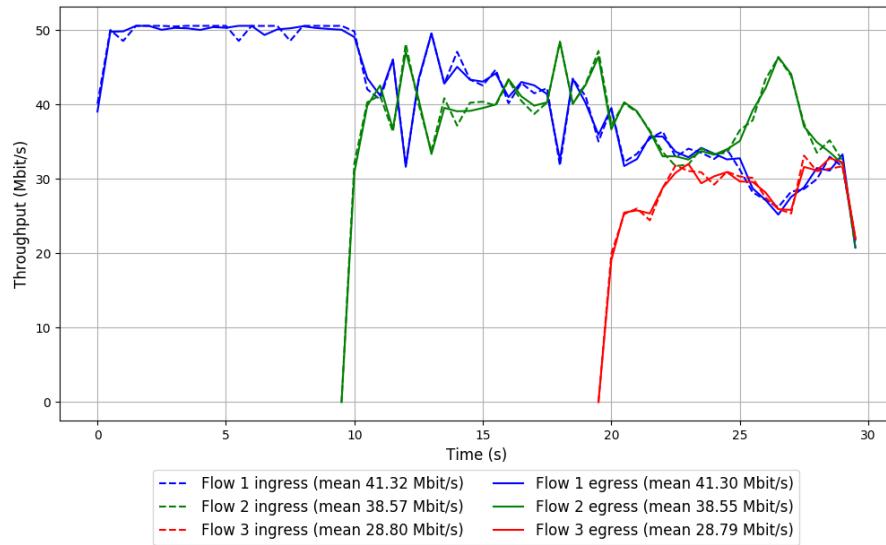


Run 1: Statistics of Sprout

```
Start at: 2018-01-09 23:50:52
End at: 2018-01-09 23:51:22
Local clock offset: -0.12 ms
Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2018-01-10 05:31:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 20.301 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 41.30 Mbit/s
95th percentile per-packet one-way delay: 19.271 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 19.909 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.79 Mbit/s
95th percentile per-packet one-way delay: 22.517 ms
Loss rate: 0.01%
```

Run 1: Report of Sprout — Data Link

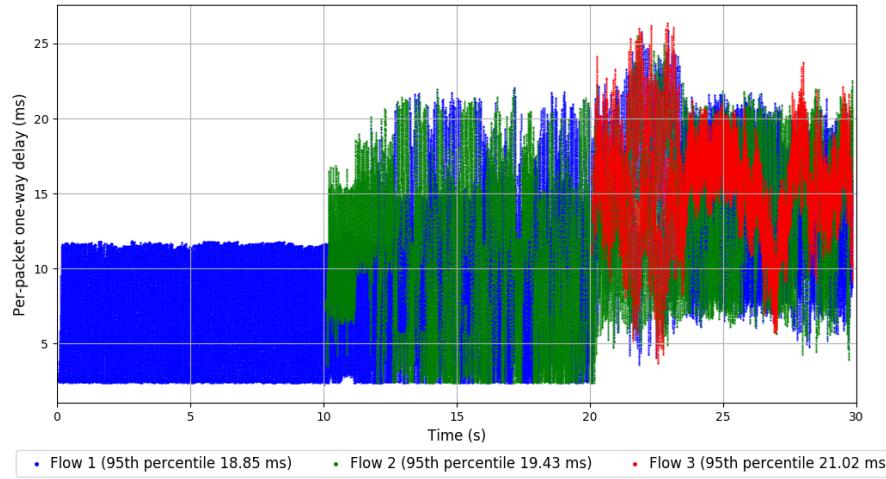
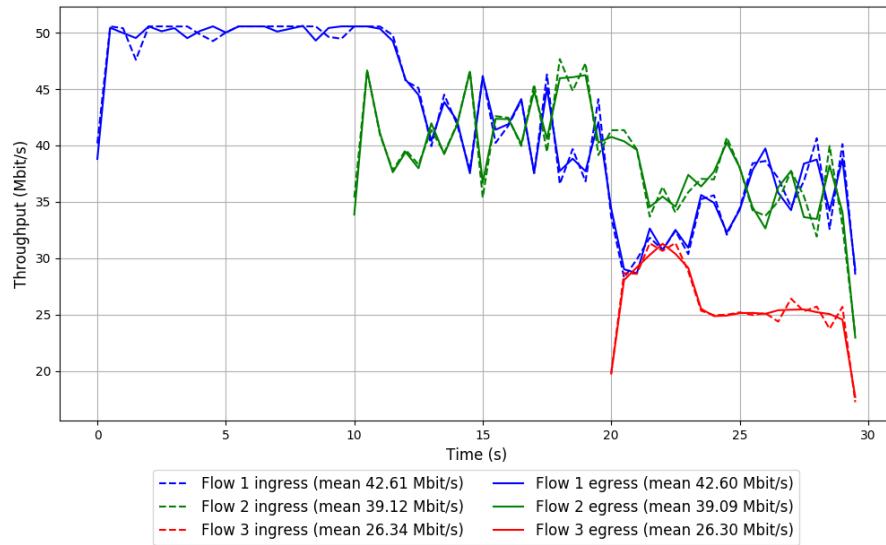


Run 2: Statistics of Sprout

```
Start at: 2018-01-10 00:07:53
End at: 2018-01-10 00:08:23
Local clock offset: -0.181 ms
Remote clock offset: 0.39 ms

# Below is generated by plot.py at 2018-01-10 05:31:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.23 Mbit/s
95th percentile per-packet one-way delay: 19.457 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 18.851 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.09 Mbit/s
95th percentile per-packet one-way delay: 19.433 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 26.30 Mbit/s
95th percentile per-packet one-way delay: 21.025 ms
Loss rate: 0.13%
```

Run 2: Report of Sprout — Data Link

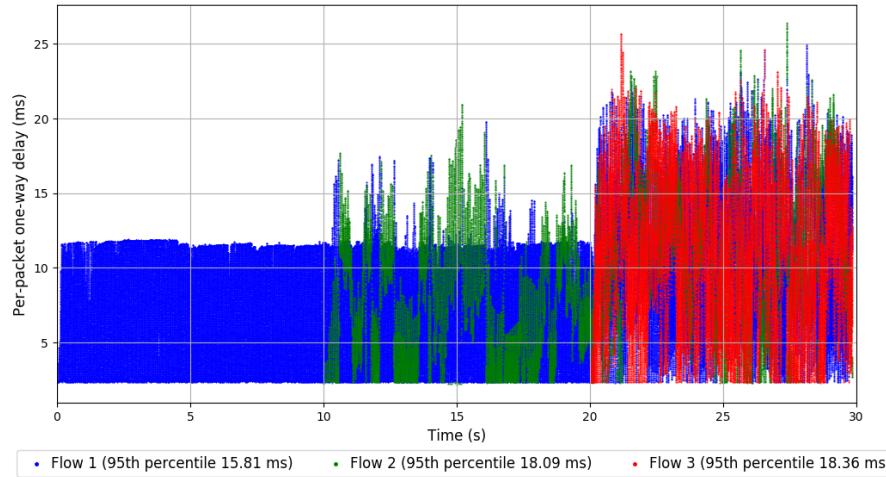
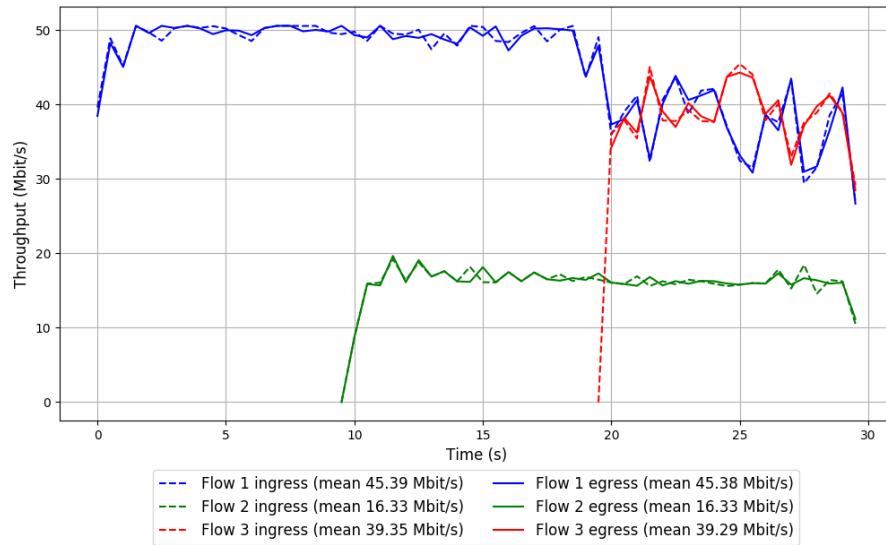


Run 3: Statistics of Sprout

```
Start at: 2018-01-10 00:24:50
End at: 2018-01-10 00:25:20
Local clock offset: -0.276 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2018-01-10 05:31:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.18 Mbit/s
95th percentile per-packet one-way delay: 17.101 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 45.38 Mbit/s
95th percentile per-packet one-way delay: 15.810 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 16.33 Mbit/s
95th percentile per-packet one-way delay: 18.090 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.29 Mbit/s
95th percentile per-packet one-way delay: 18.364 ms
Loss rate: 0.26%
```

Run 3: Report of Sprout — Data Link

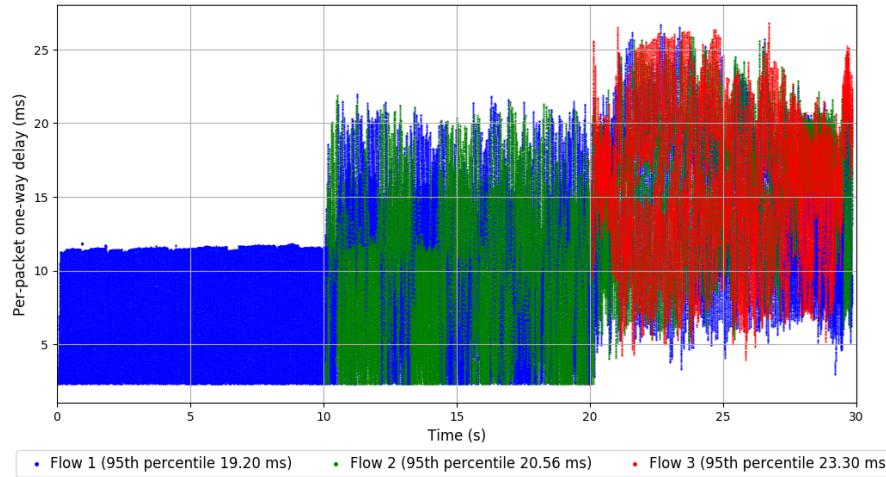
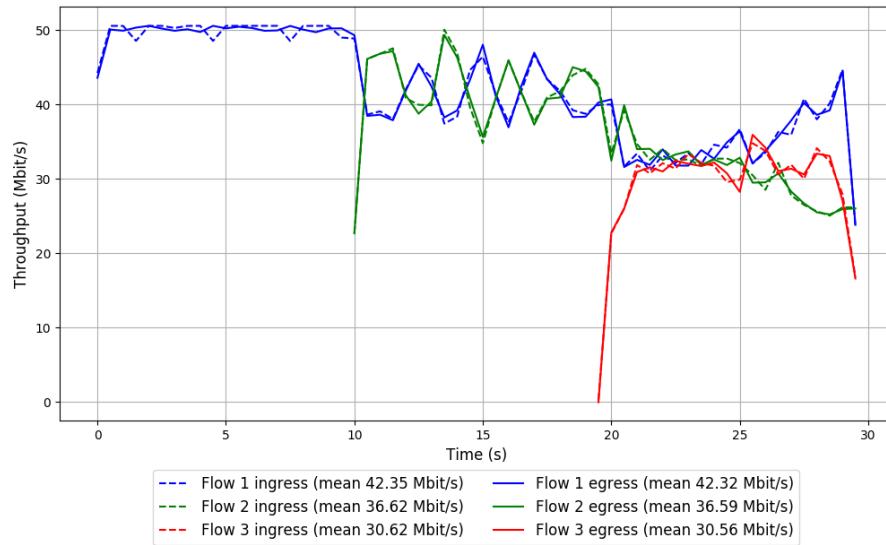


Run 4: Statistics of Sprout

```
Start at: 2018-01-10 00:41:51
End at: 2018-01-10 00:42:21
Local clock offset: -0.31 ms
Remote clock offset: 0.022 ms

# Below is generated by plot.py at 2018-01-10 05:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.73 Mbit/s
95th percentile per-packet one-way delay: 20.632 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 42.32 Mbit/s
95th percentile per-packet one-way delay: 19.203 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.59 Mbit/s
95th percentile per-packet one-way delay: 20.556 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 23.303 ms
Loss rate: 0.18%
```

Run 4: Report of Sprout — Data Link

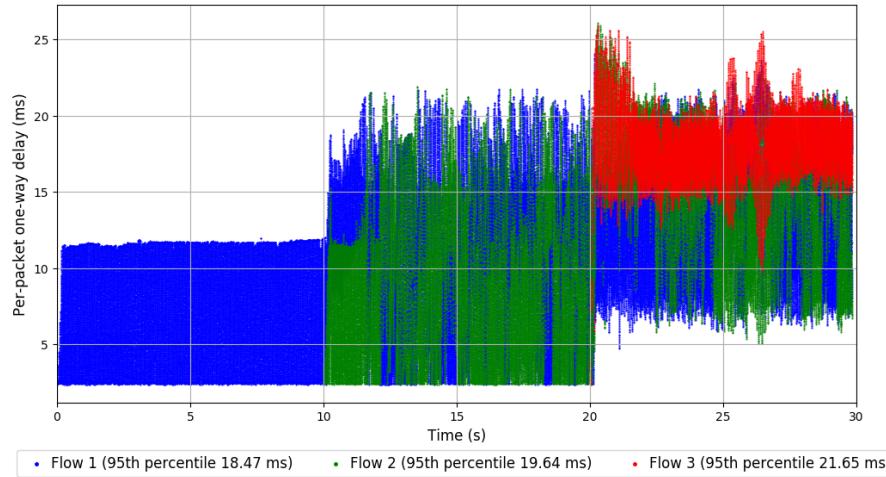
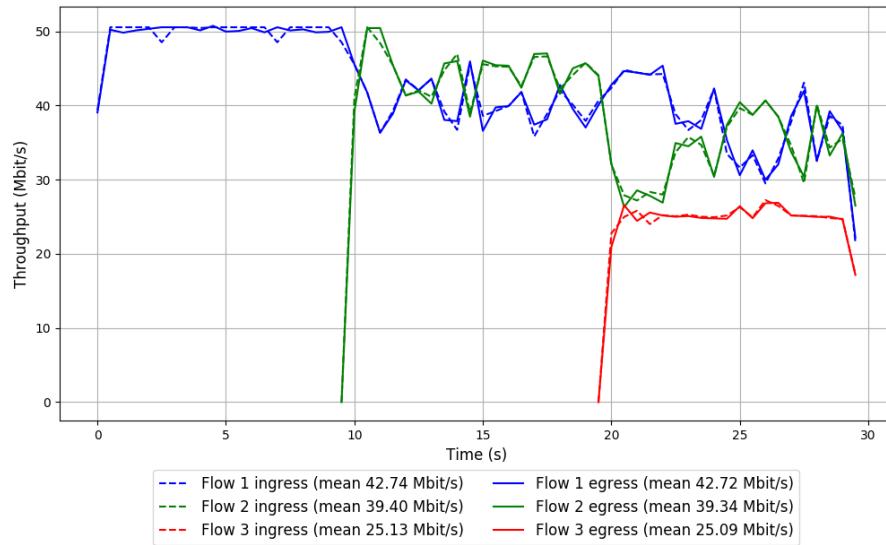


Run 5: Statistics of Sprout

```
Start at: 2018-01-10 00:58:48
End at: 2018-01-10 00:59:18
Local clock offset: -0.319 ms
Remote clock offset: 0.154 ms

# Below is generated by plot.py at 2018-01-10 05:32:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.17 Mbit/s
95th percentile per-packet one-way delay: 19.702 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 42.72 Mbit/s
95th percentile per-packet one-way delay: 18.473 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 19.637 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 25.09 Mbit/s
95th percentile per-packet one-way delay: 21.649 ms
Loss rate: 0.24%
```

Run 5: Report of Sprout — Data Link

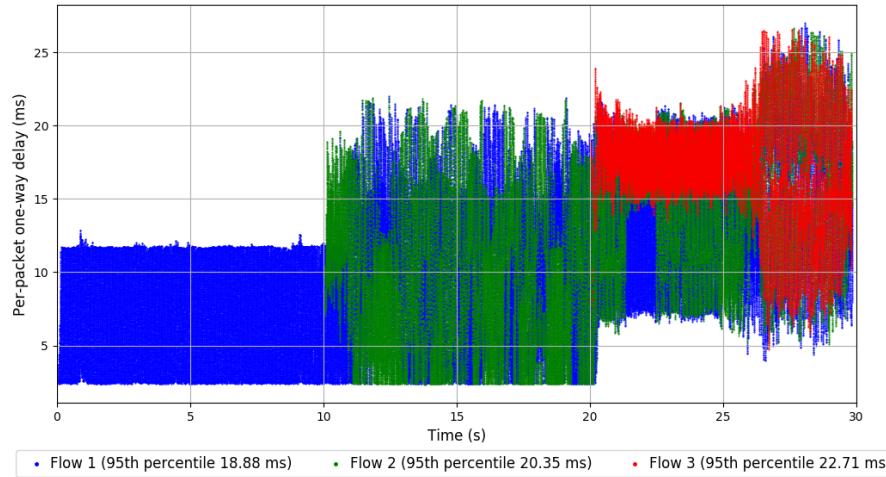
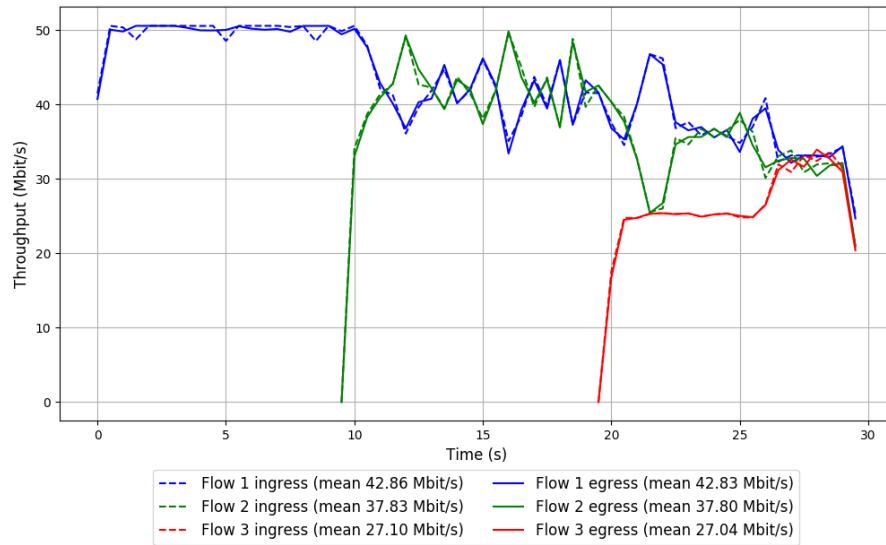


Run 6: Statistics of Sprout

```
Start at: 2018-01-10 01:15:47
End at: 2018-01-10 01:16:17
Local clock offset: -0.256 ms
Remote clock offset: 0.4 ms

# Below is generated by plot.py at 2018-01-10 05:32:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.90 Mbit/s
95th percentile per-packet one-way delay: 20.112 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 42.83 Mbit/s
95th percentile per-packet one-way delay: 18.881 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 20.347 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 27.04 Mbit/s
95th percentile per-packet one-way delay: 22.710 ms
Loss rate: 0.36%
```

Run 6: Report of Sprout — Data Link

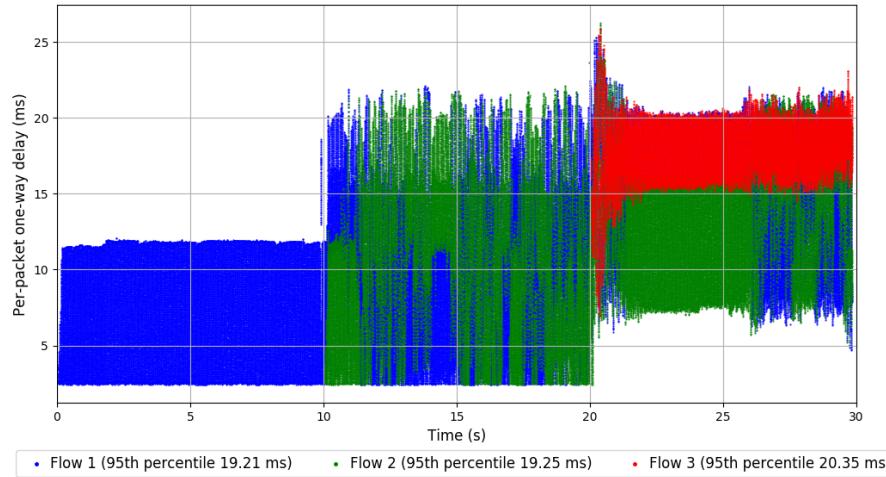
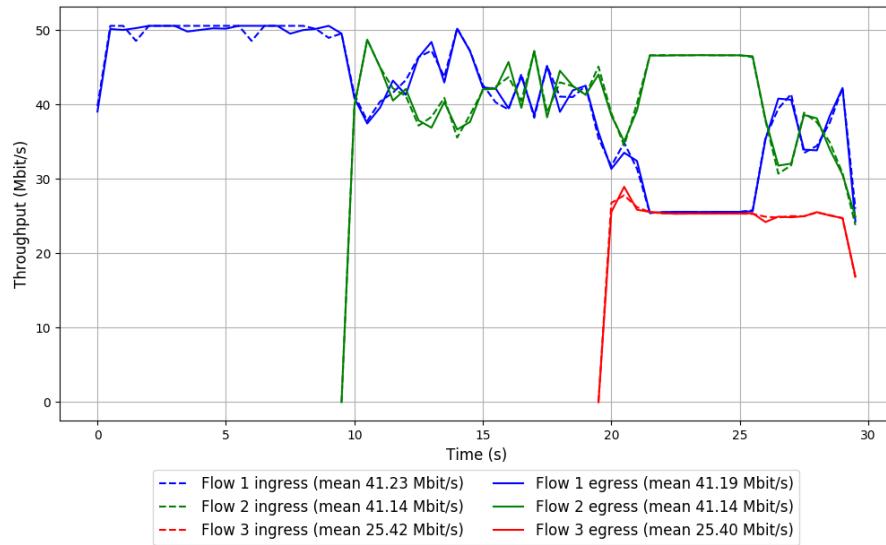


Run 7: Statistics of Sprout

```
Start at: 2018-01-10 01:32:43
End at: 2018-01-10 01:33:13
Local clock offset: -0.244 ms
Remote clock offset: 0.457 ms

# Below is generated by plot.py at 2018-01-10 05:32:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.92 Mbit/s
95th percentile per-packet one-way delay: 19.629 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 41.19 Mbit/s
95th percentile per-packet one-way delay: 19.209 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 41.14 Mbit/s
95th percentile per-packet one-way delay: 19.248 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.40 Mbit/s
95th percentile per-packet one-way delay: 20.352 ms
Loss rate: 0.17%
```

Run 7: Report of Sprout — Data Link

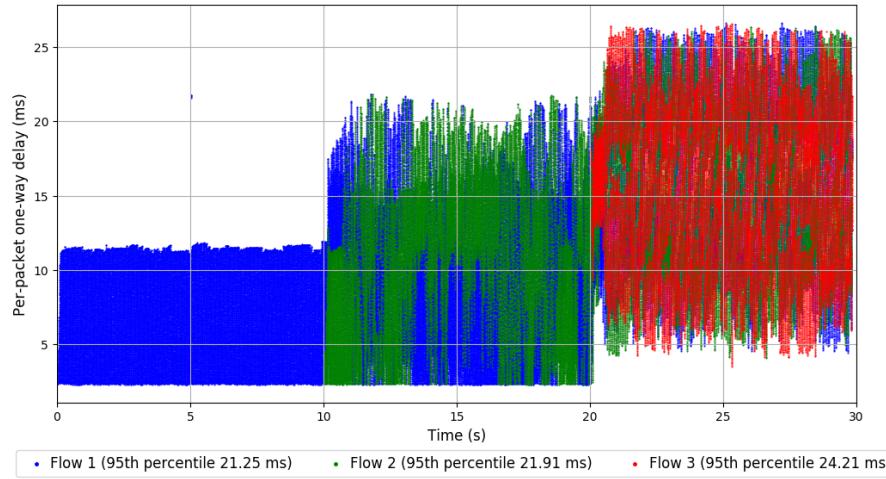
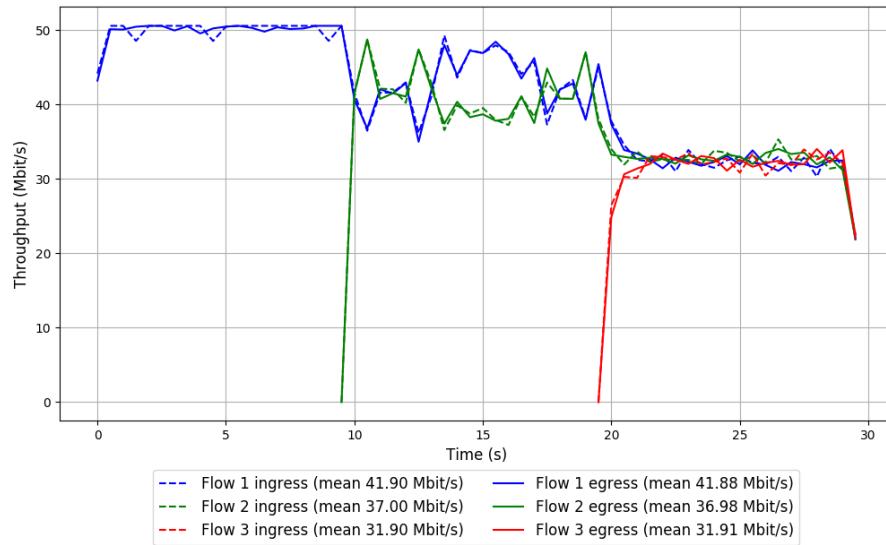


Run 8: Statistics of Sprout

```
Start at: 2018-01-10 01:49:41
End at: 2018-01-10 01:50:11
Local clock offset: -0.302 ms
Remote clock offset: 0.589 ms

# Below is generated by plot.py at 2018-01-10 05:32:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.01 Mbit/s
95th percentile per-packet one-way delay: 22.285 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 41.88 Mbit/s
95th percentile per-packet one-way delay: 21.250 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 21.906 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 24.209 ms
Loss rate: 0.08%
```

Run 8: Report of Sprout — Data Link

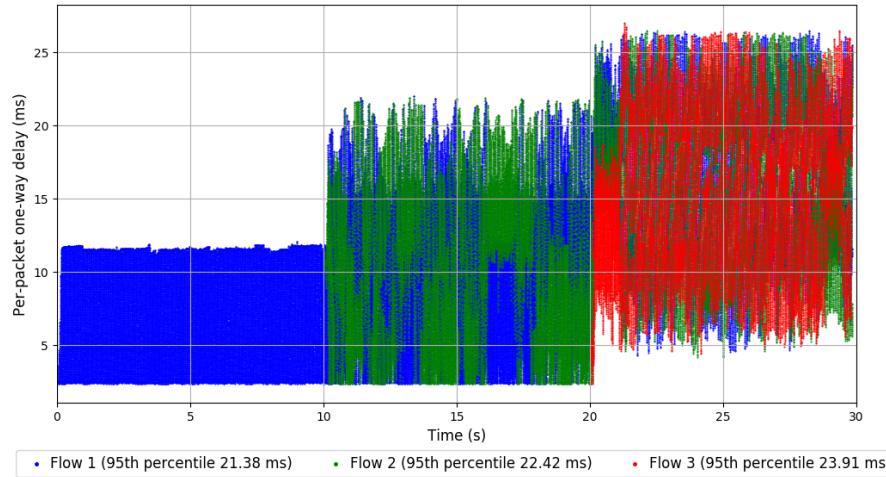
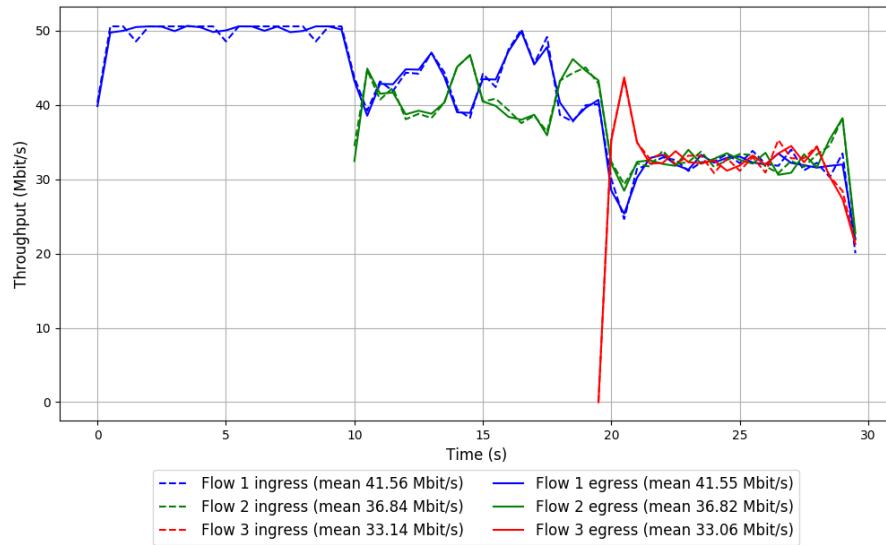


Run 9: Statistics of Sprout

```
Start at: 2018-01-10 02:06:40
End at: 2018-01-10 02:07:10
Local clock offset: -0.145 ms
Remote clock offset: 0.691 ms

# Below is generated by plot.py at 2018-01-10 05:33:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.91 Mbit/s
95th percentile per-packet one-way delay: 22.362 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 41.55 Mbit/s
95th percentile per-packet one-way delay: 21.380 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 22.416 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 23.905 ms
Loss rate: 0.30%
```

Run 9: Report of Sprout — Data Link

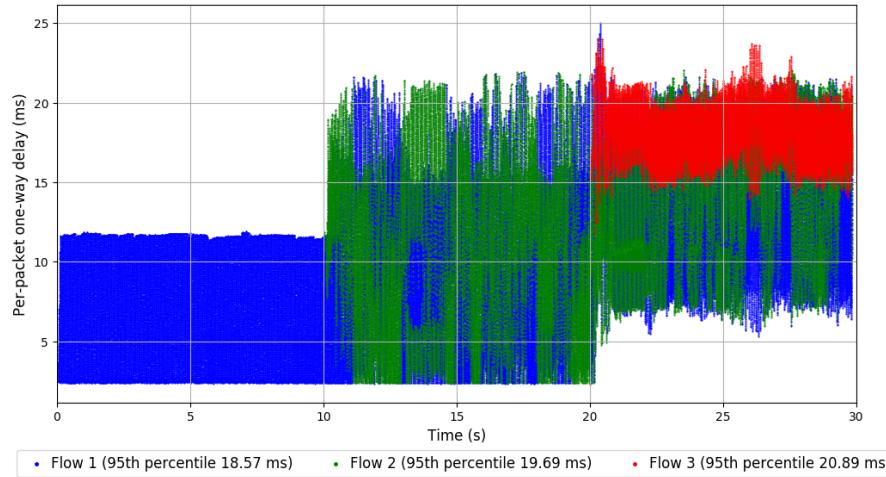
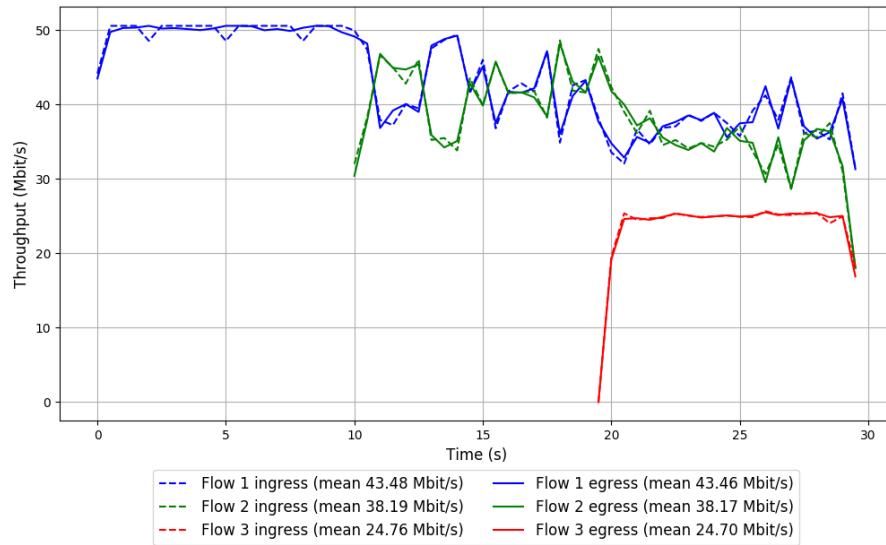


Run 10: Statistics of Sprout

```
Start at: 2018-01-10 02:23:40
End at: 2018-01-10 02:24:10
Local clock offset: -0.099 ms
Remote clock offset: 0.746 ms

# Below is generated by plot.py at 2018-01-10 05:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 19.703 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 43.46 Mbit/s
95th percentile per-packet one-way delay: 18.574 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.17 Mbit/s
95th percentile per-packet one-way delay: 19.687 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 20.885 ms
Loss rate: 0.30%
```

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

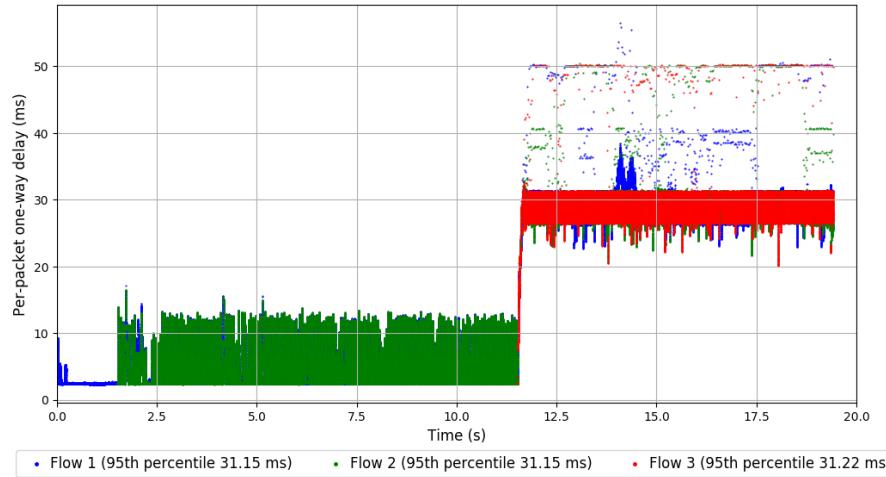
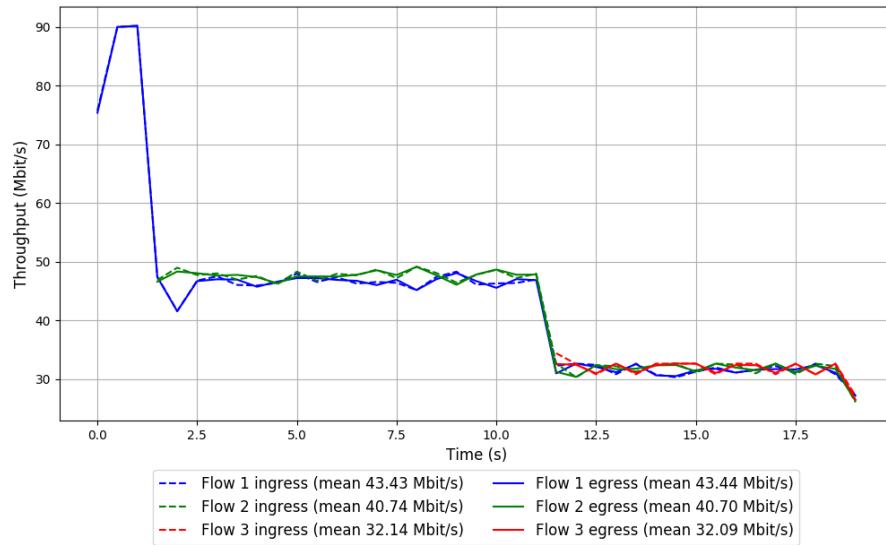
Start at: 2018-01-09 23:45:12

End at: 2018-01-09 23:45:43

Local clock offset: -0.075 ms

Remote clock offset: 0.041 ms

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

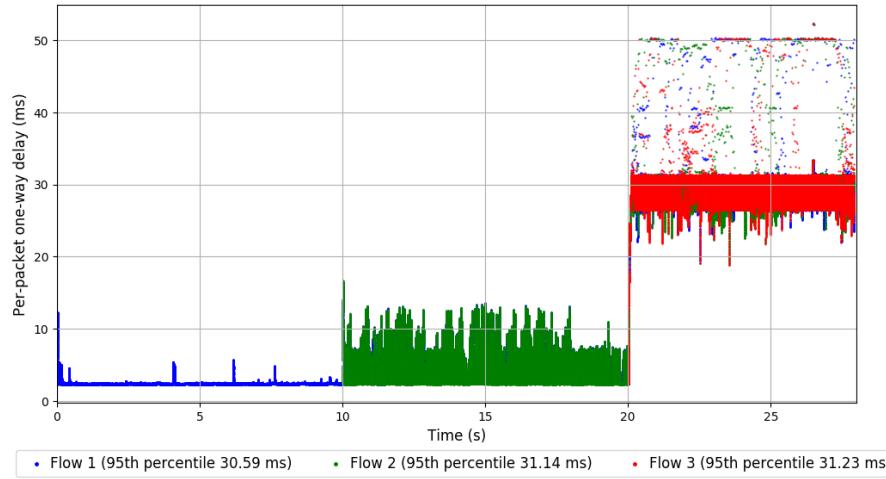
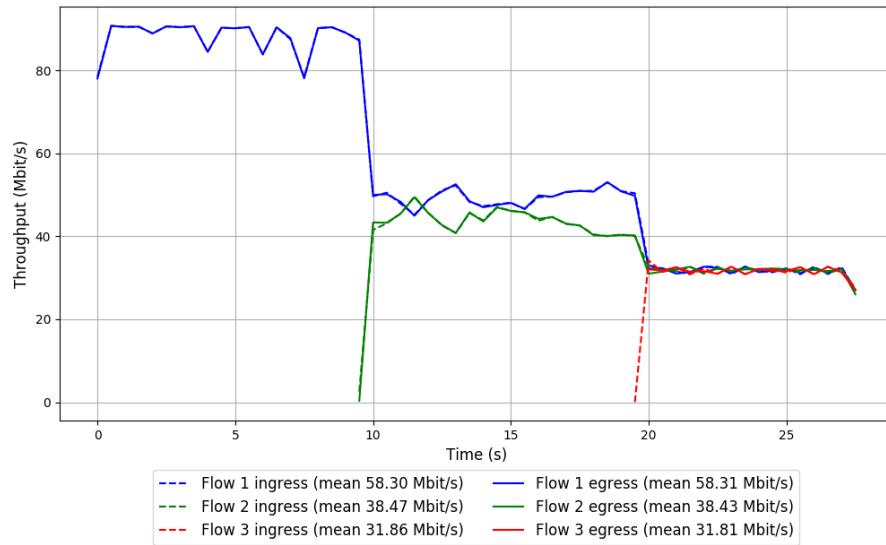


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-01-10 00:02:11
End at: 2018-01-10 00:02:41
Local clock offset: -0.179 ms
Remote clock offset: 0.263 ms

# Below is generated by plot.py at 2018-01-10 05:36:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.99 Mbit/s
95th percentile per-packet one-way delay: 31.118 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 30.591 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 31.138 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 31.235 ms
Loss rate: 0.52%
```

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



Run 3: Statistics of TaoVA-100x

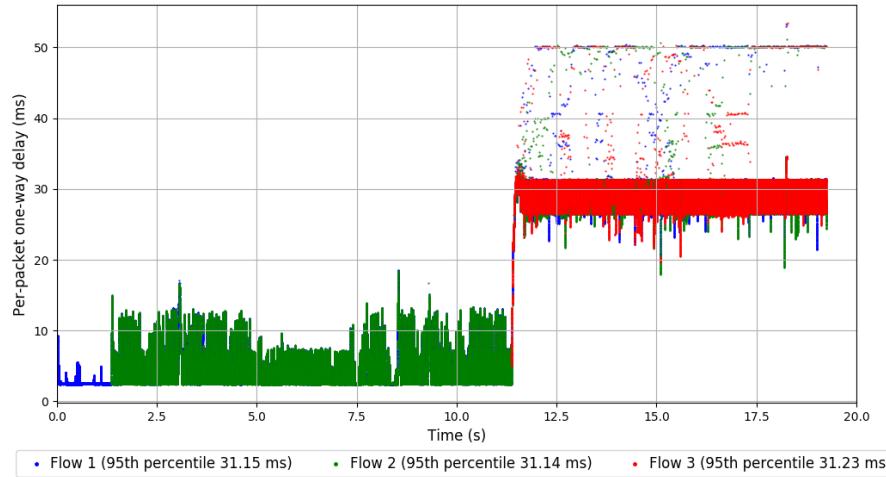
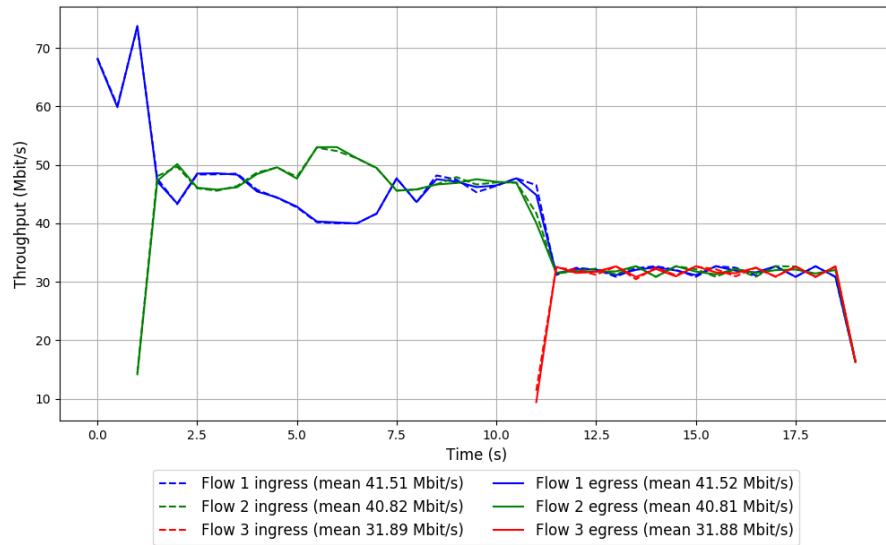
Start at: 2018-01-10 00:19:10

End at: 2018-01-10 00:19:40

Local clock offset: -0.179 ms

Remote clock offset: 0.176 ms

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



Run 4: Statistics of TaoVA-100x

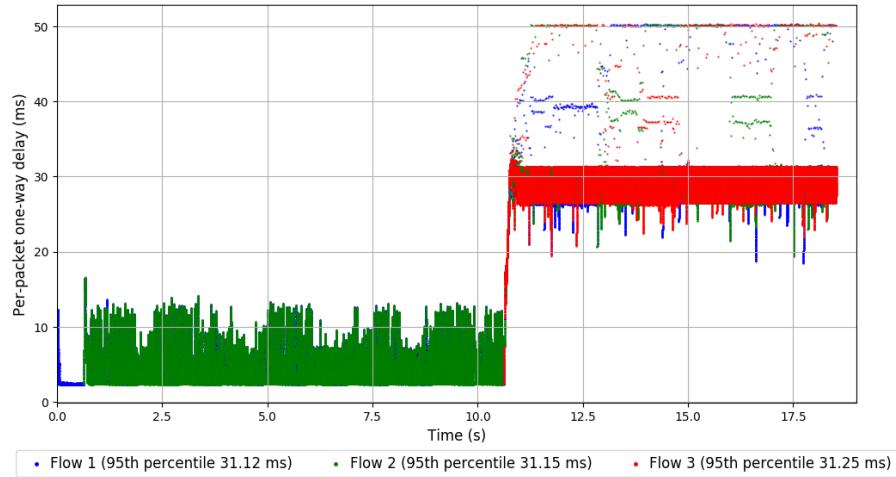
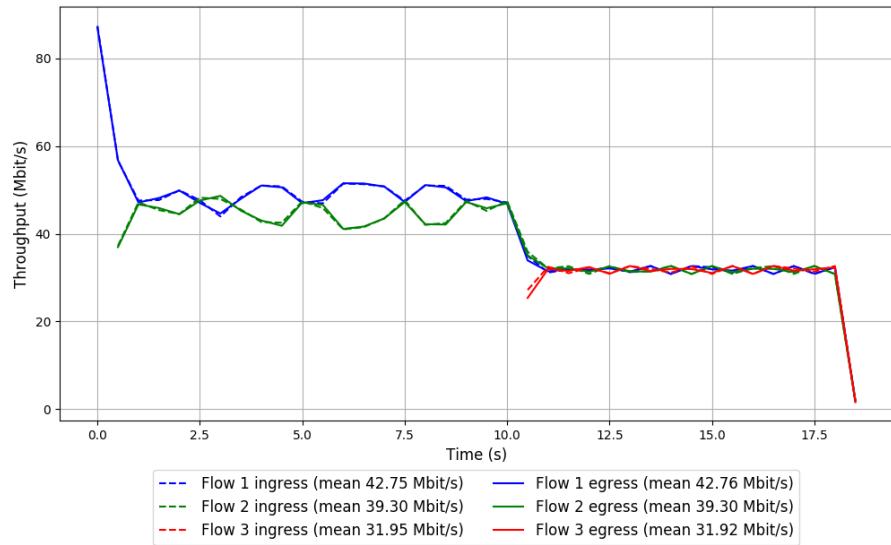
Start at: 2018-01-10 00:36:09

End at: 2018-01-10 00:36:39

Local clock offset: -0.234 ms

Remote clock offset: -0.048 ms

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



Run 5: Statistics of TaoVA-100x

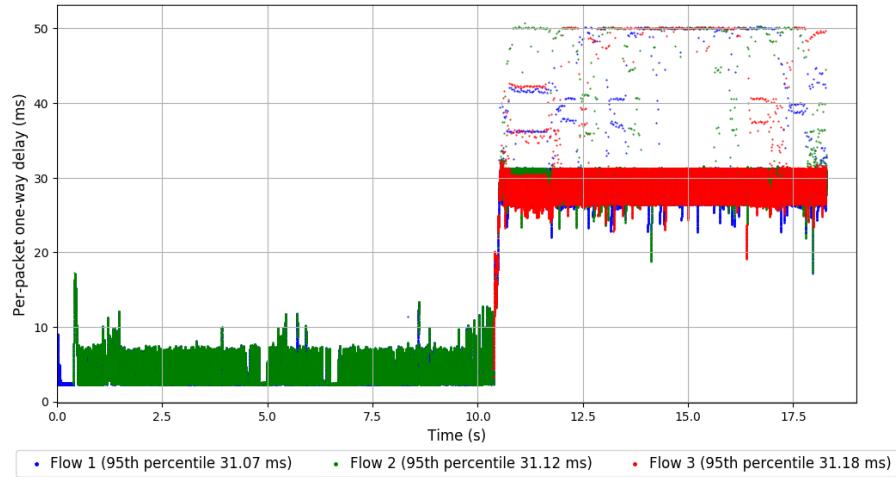
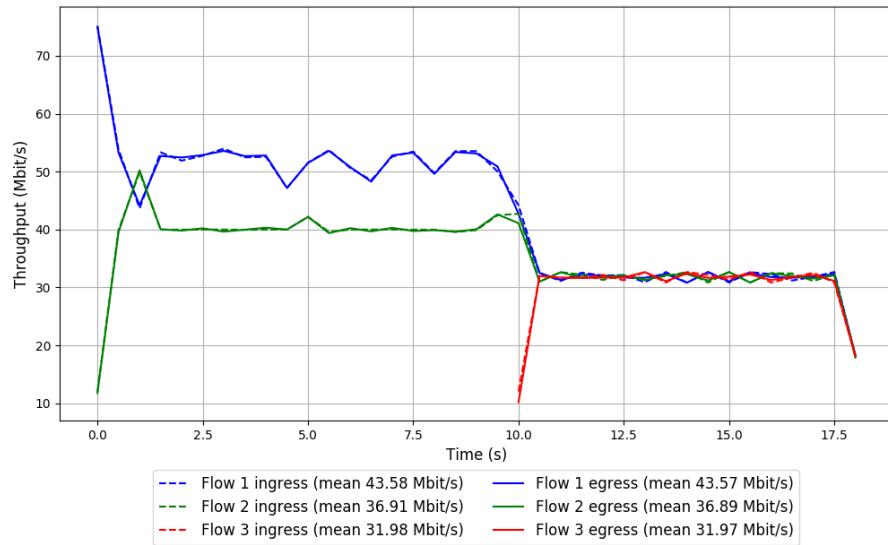
Start at: 2018-01-10 00:53:09

End at: 2018-01-10 00:53:39

Local clock offset: -0.302 ms

Remote clock offset: 0.155 ms

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



Run 6: Statistics of TaoVA-100x

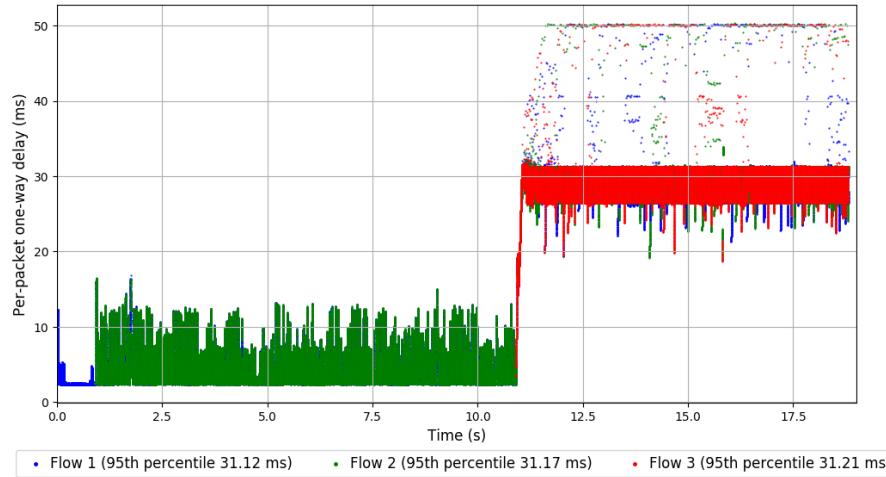
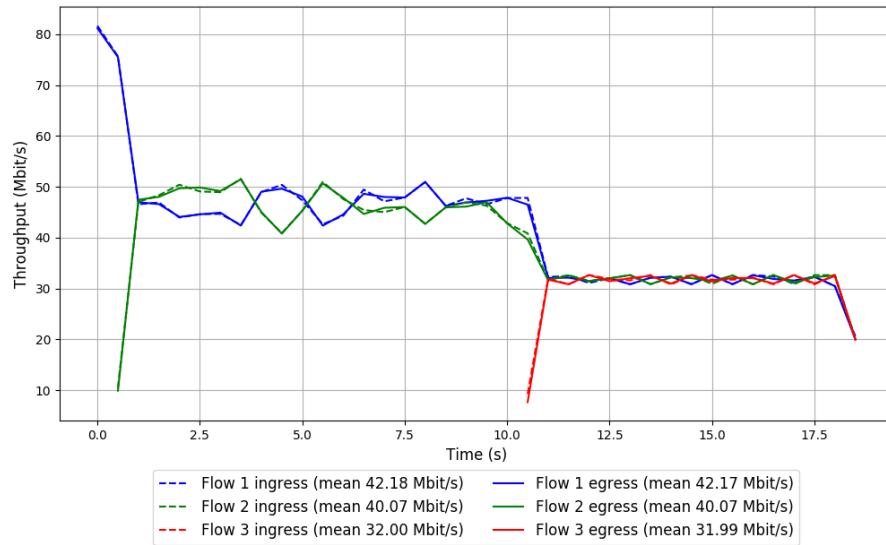
Start at: 2018-01-10 01:10:07

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

Local clock offset: -0.287 ms

Remote clock offset: 0.316 ms

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



Run 7: Statistics of TaoVA-100x

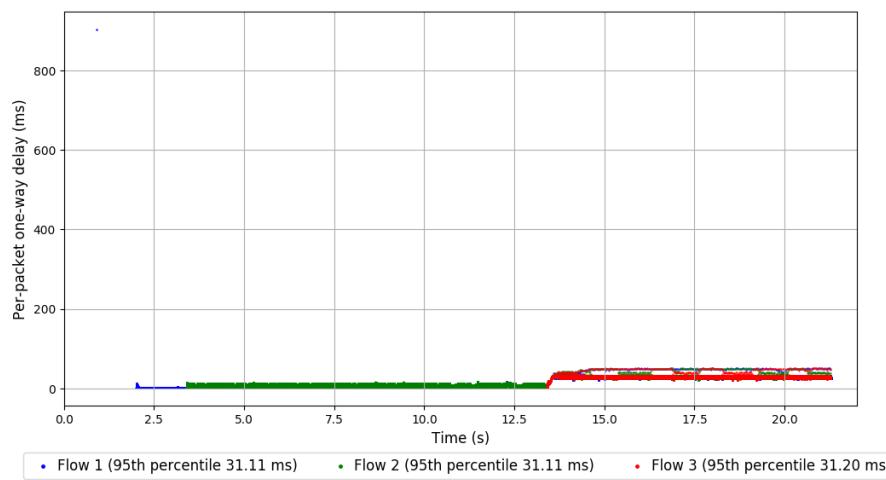
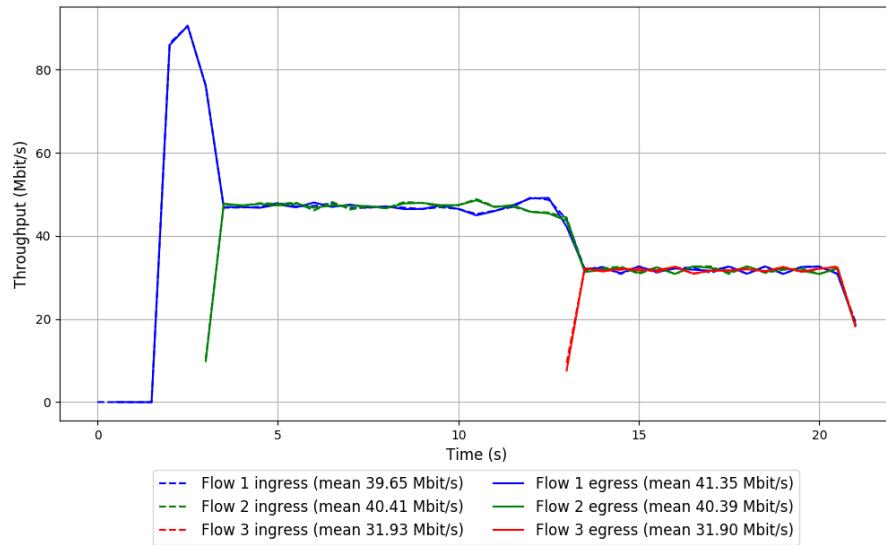
Start at: 2018-01-10 01:27:04

End at: 2018-01-10 01:27:34

Local clock offset: -0.301 ms

Remote clock offset: 0.457 ms

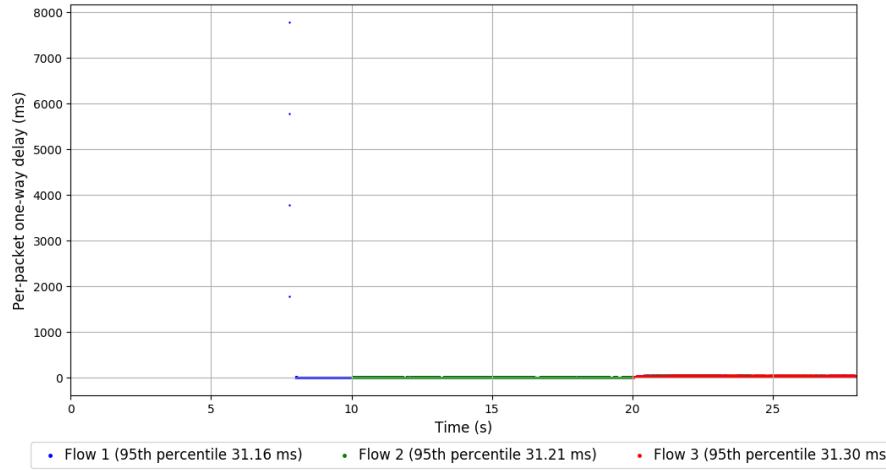
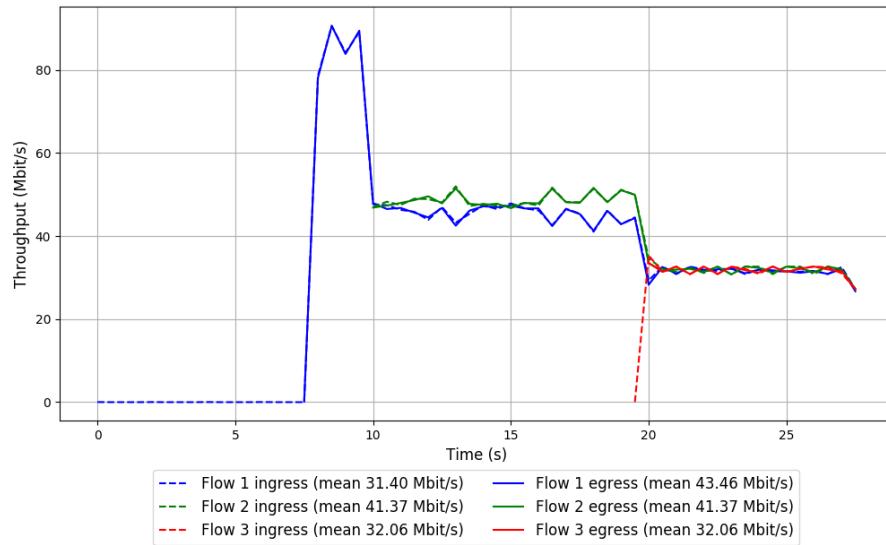
Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-10 01:44:01
End at: 2018-01-10 01:44:31
Local clock offset: -0.263 ms
Remote clock offset: 0.484 ms

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



Run 9: Statistics of TaoVA-100x

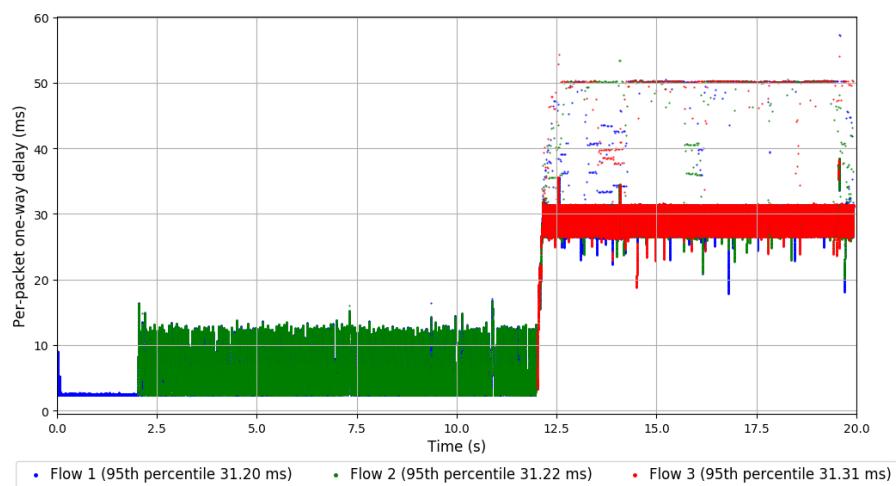
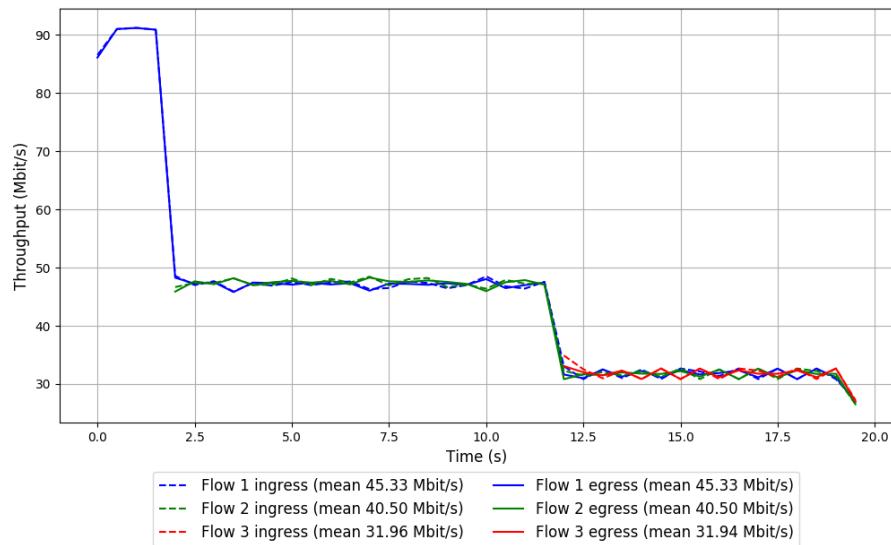
Start at: 2018-01-10 02:01:00

End at: 2018-01-10 02:01:30

Local clock offset: -0.162 ms

Remote clock offset: 0.588 ms

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

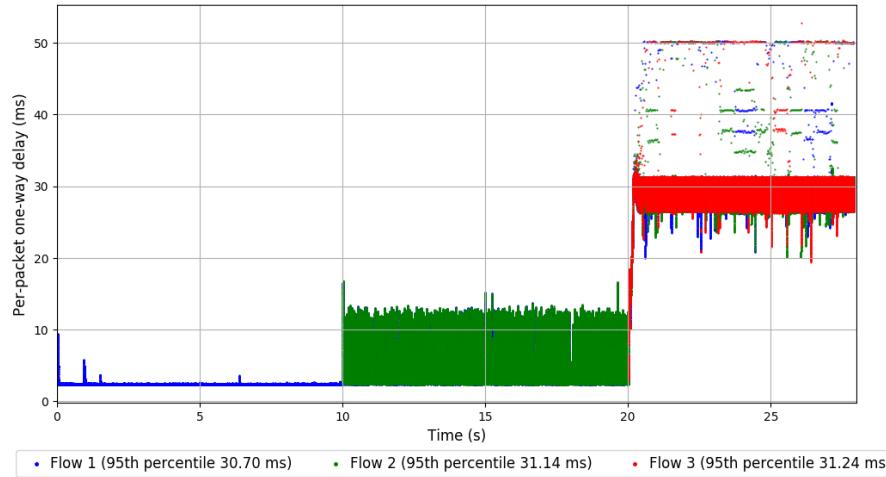
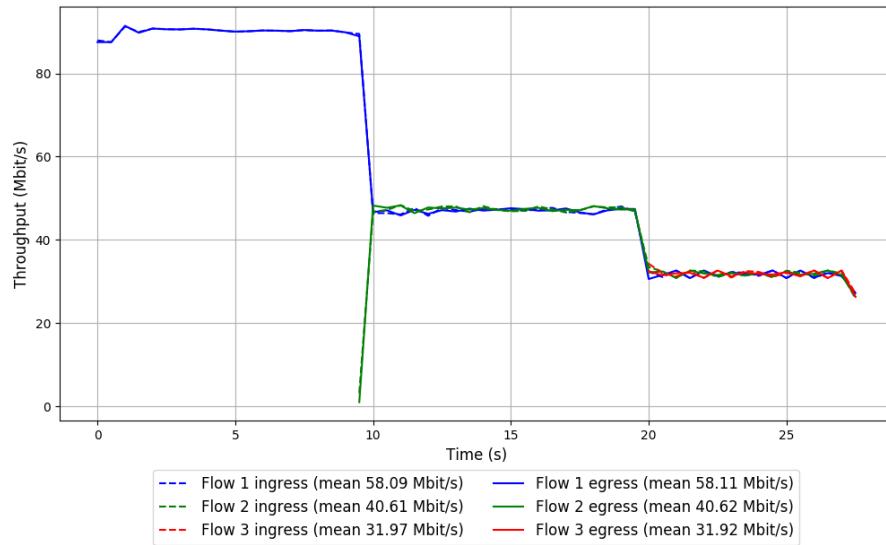


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-01-10 02:17:58
End at: 2018-01-10 02:18:28
Local clock offset: -0.174 ms
Remote clock offset: 0.657 ms

# Below is generated by plot.py at 2018-01-10 05:39:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 31.133 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.11 Mbit/s
95th percentile per-packet one-way delay: 30.700 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 31.138 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 31.238 ms
Loss rate: 0.53%
```

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

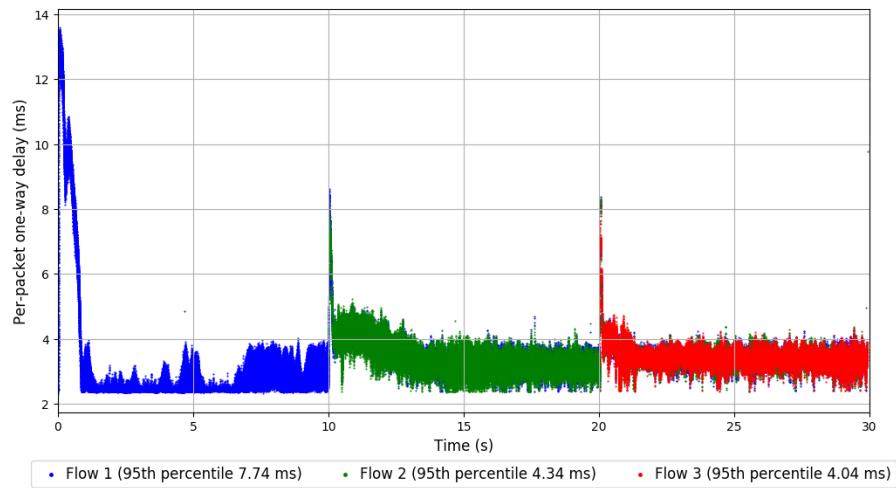
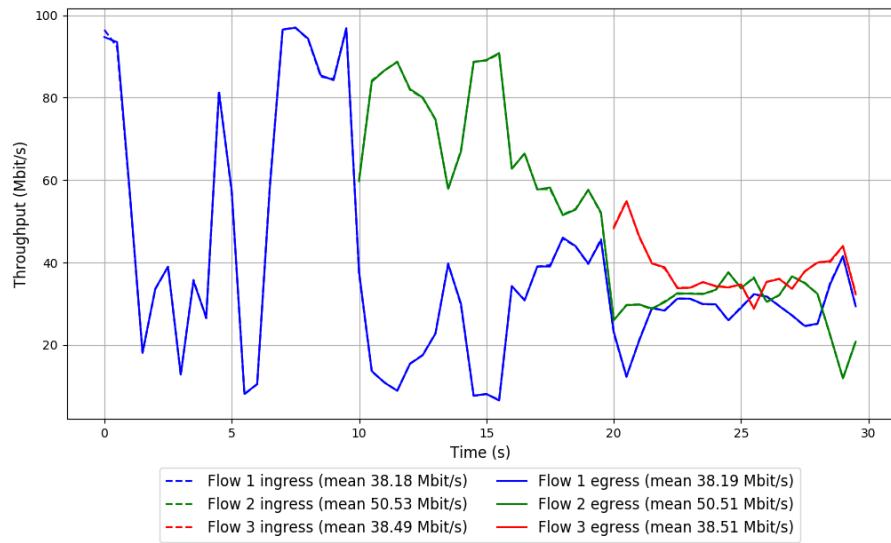


Run 1: Statistics of TCP Vegas

```
Start at: 2018-01-09 23:42:54
End at: 2018-01-09 23:43:24
Local clock offset: -0.055 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-01-10 05:39:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.54 Mbit/s
95th percentile per-packet one-way delay: 4.462 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 38.19 Mbit/s
95th percentile per-packet one-way delay: 7.737 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 50.51 Mbit/s
95th percentile per-packet one-way delay: 4.343 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 38.51 Mbit/s
95th percentile per-packet one-way delay: 4.040 ms
Loss rate: 0.06%
```

Run 1: Report of TCP Vegas — Data Link

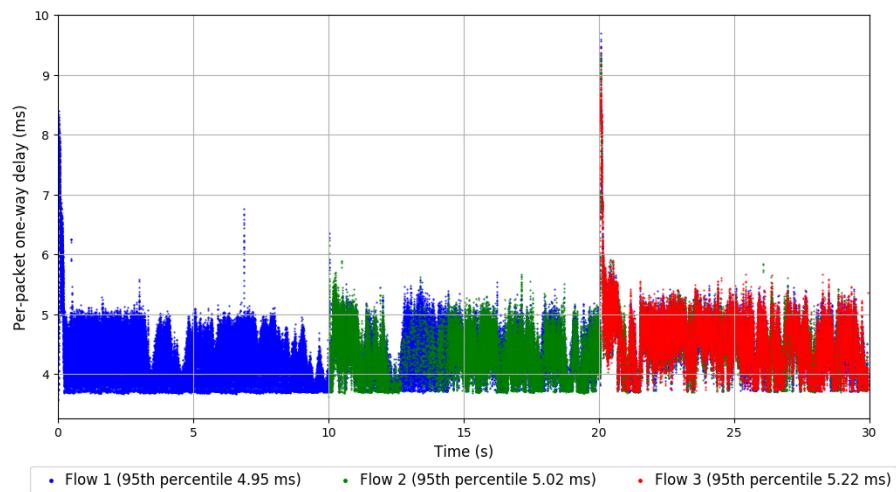
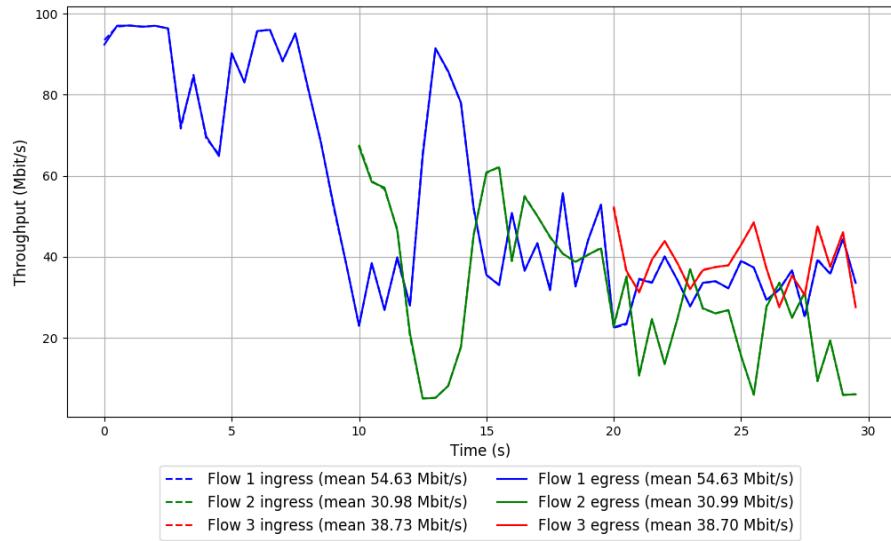


Run 2: Statistics of TCP Vegas

```
Start at: 2018-01-09 23:59:53
End at: 2018-01-10 00:00:23
Local clock offset: 1.198 ms
Remote clock offset: 0.233 ms

# Below is generated by plot.py at 2018-01-10 05:39:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 5.026 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.63 Mbit/s
95th percentile per-packet one-way delay: 4.953 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 5.020 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 5.222 ms
Loss rate: 0.08%
```

Run 2: Report of TCP Vegas — Data Link

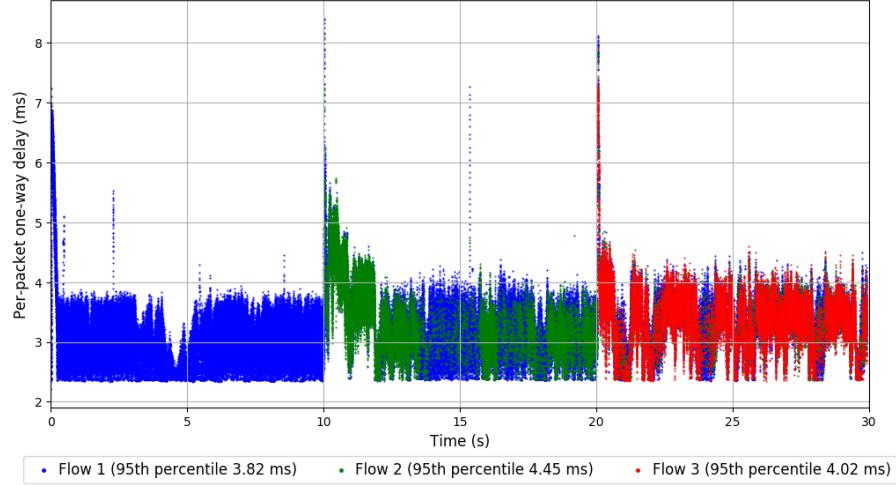
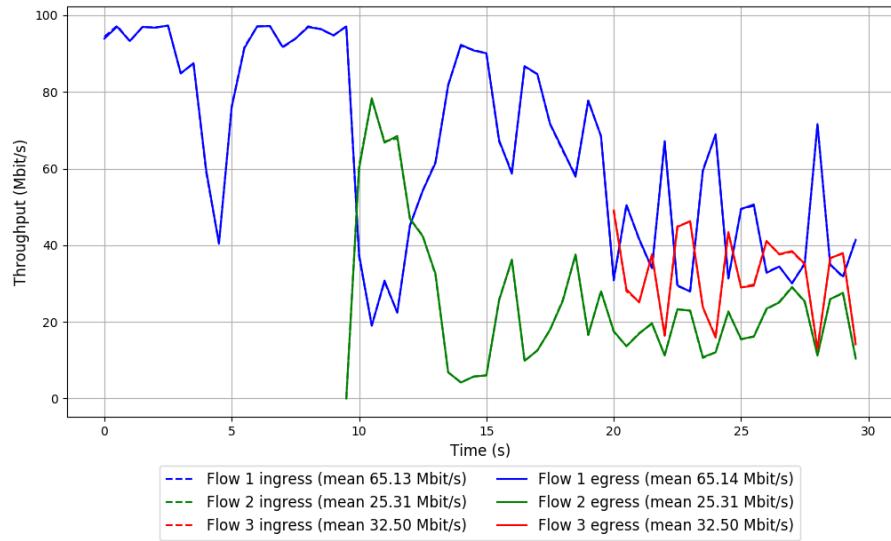


Run 3: Statistics of TCP Vegas

```
Start at: 2018-01-10 00:16:52
End at: 2018-01-10 00:17:22
Local clock offset: -0.187 ms
Remote clock offset: 0.186 ms

# Below is generated by plot.py at 2018-01-10 05:39:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 4.006 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 65.14 Mbit/s
95th percentile per-packet one-way delay: 3.823 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 25.31 Mbit/s
95th percentile per-packet one-way delay: 4.446 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 4.016 ms
Loss rate: 0.06%
```

Run 3: Report of TCP Vegas — Data Link

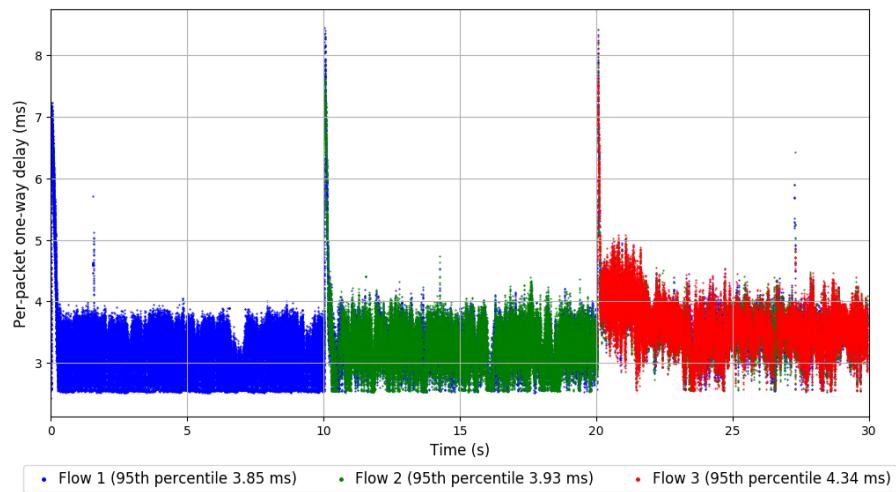
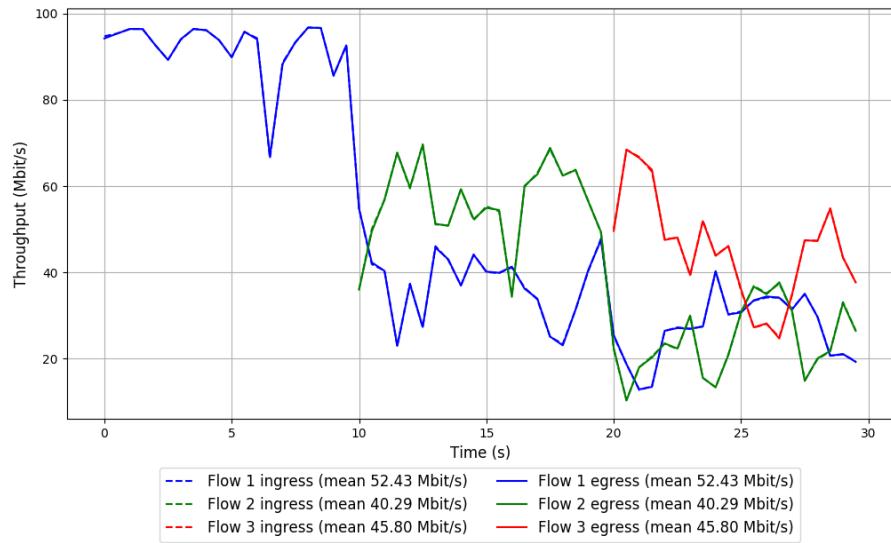


Run 4: Statistics of TCP Vegas

```
Start at: 2018-01-10 00:33:51
End at: 2018-01-10 00:34:21
Local clock offset: -0.239 ms
Remote clock offset: -0.274 ms

# Below is generated by plot.py at 2018-01-10 05:39:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 4.027 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 52.43 Mbit/s
95th percentile per-packet one-way delay: 3.850 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.29 Mbit/s
95th percentile per-packet one-way delay: 3.933 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 4.339 ms
Loss rate: 0.04%
```

Run 4: Report of TCP Vegas — Data Link

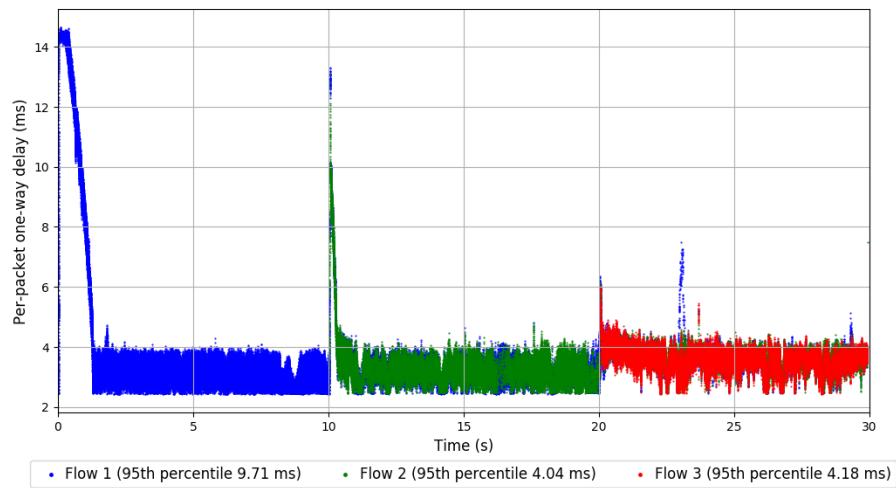
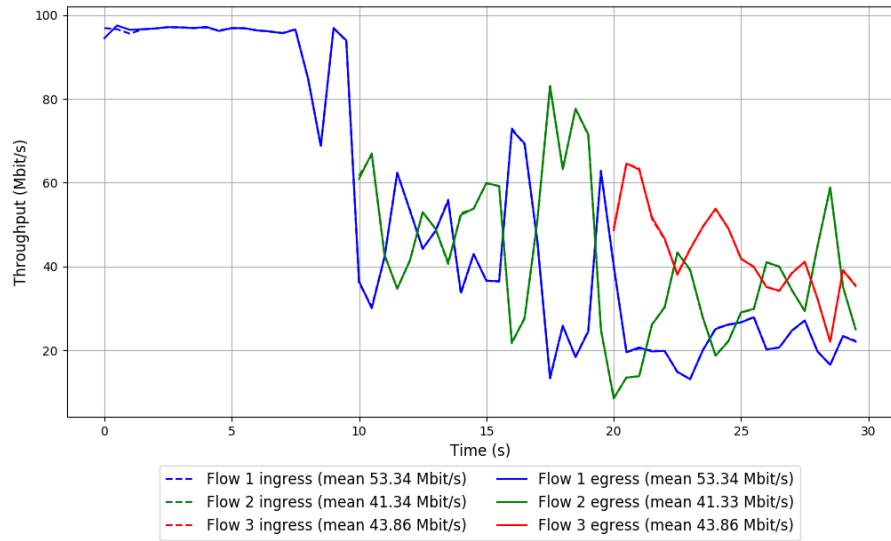


Run 5: Statistics of TCP Vegas

```
Start at: 2018-01-10 00:50:50
End at: 2018-01-10 00:51:20
Local clock offset: -0.215 ms
Remote clock offset: 0.045 ms

# Below is generated by plot.py at 2018-01-10 05:39:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 5.144 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 9.707 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 41.33 Mbit/s
95th percentile per-packet one-way delay: 4.041 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 43.86 Mbit/s
95th percentile per-packet one-way delay: 4.177 ms
Loss rate: 0.06%
```

Run 5: Report of TCP Vegas — Data Link

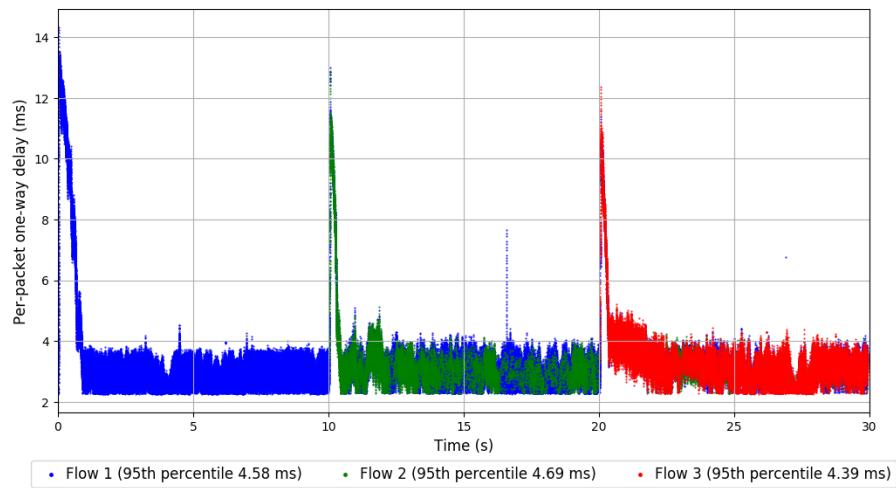
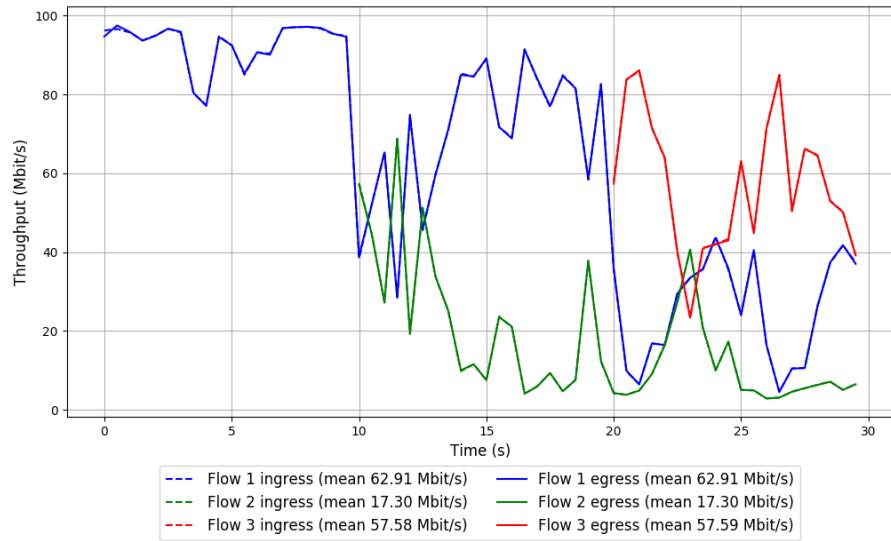


Run 6: Statistics of TCP Vegas

```
Start at: 2018-01-10 01:07:49
End at: 2018-01-10 01:08:19
Local clock offset: -0.334 ms
Remote clock offset: 0.304 ms

# Below is generated by plot.py at 2018-01-10 05:39:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.47 Mbit/s
95th percentile per-packet one-way delay: 4.476 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 4.579 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 17.30 Mbit/s
95th percentile per-packet one-way delay: 4.693 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 57.59 Mbit/s
95th percentile per-packet one-way delay: 4.390 ms
Loss rate: 0.05%
```

Run 6: Report of TCP Vegas — Data Link

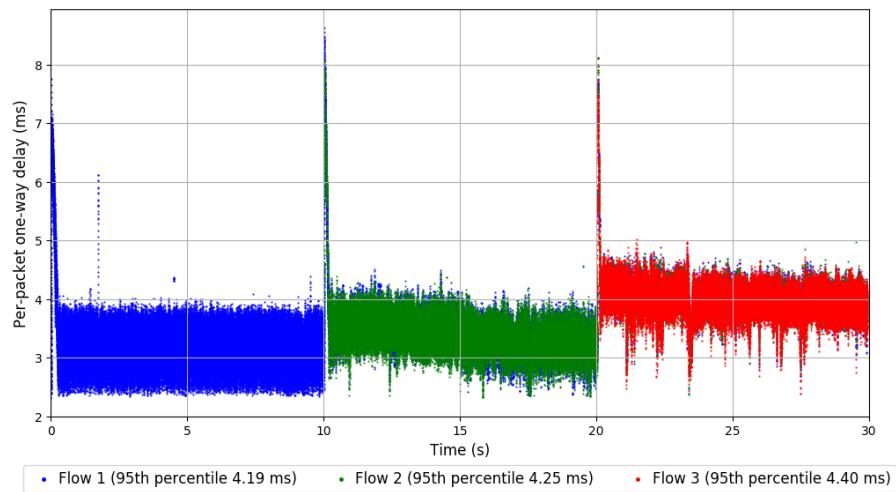
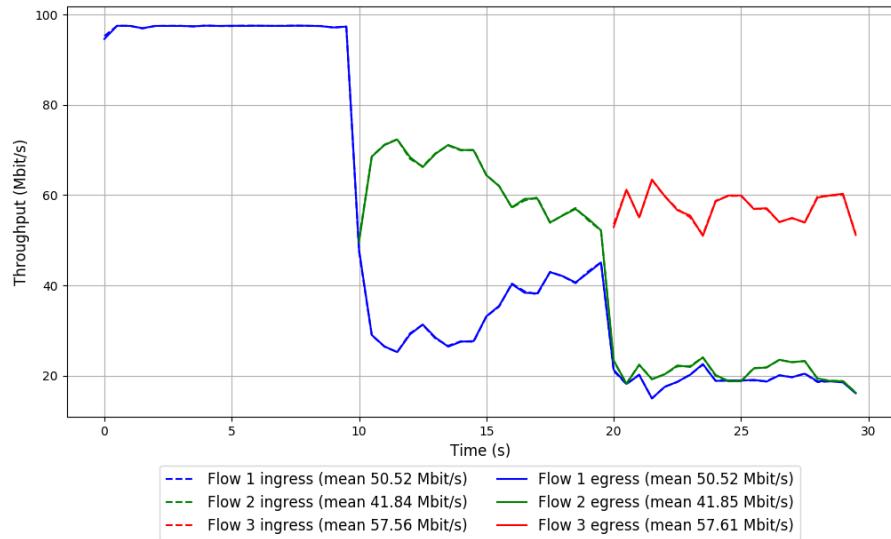


Run 7: Statistics of TCP Vegas

```
Start at: 2018-01-10 01:24:45
End at: 2018-01-10 01:25:15
Local clock offset: -0.246 ms
Remote clock offset: 0.459 ms

# Below is generated by plot.py at 2018-01-10 05:40:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 4.300 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.52 Mbit/s
95th percentile per-packet one-way delay: 4.194 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 41.85 Mbit/s
95th percentile per-packet one-way delay: 4.254 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 57.61 Mbit/s
95th percentile per-packet one-way delay: 4.401 ms
Loss rate: 0.06%
```

Run 7: Report of TCP Vegas — Data Link

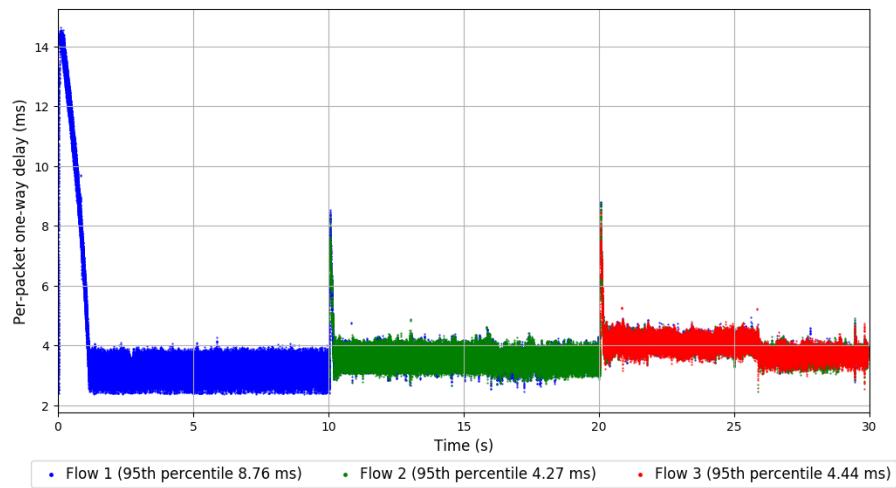
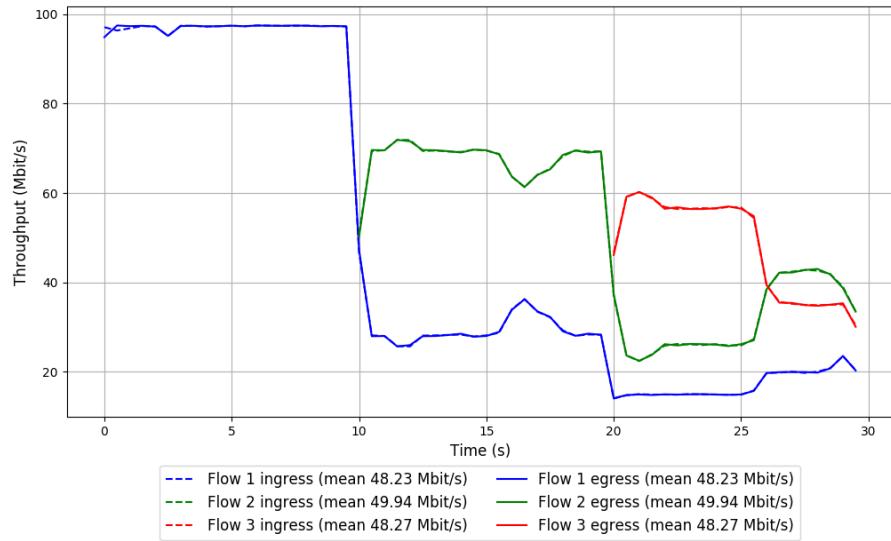


Run 8: Statistics of TCP Vegas

```
Start at: 2018-01-10 01:41:43
End at: 2018-01-10 01:42:13
Local clock offset: -0.243 ms
Remote clock offset: 0.476 ms

# Below is generated by plot.py at 2018-01-10 05:40:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 4.492 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 8.755 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 49.94 Mbit/s
95th percentile per-packet one-way delay: 4.274 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 48.27 Mbit/s
95th percentile per-packet one-way delay: 4.441 ms
Loss rate: 0.05%
```

Run 8: Report of TCP Vegas — Data Link

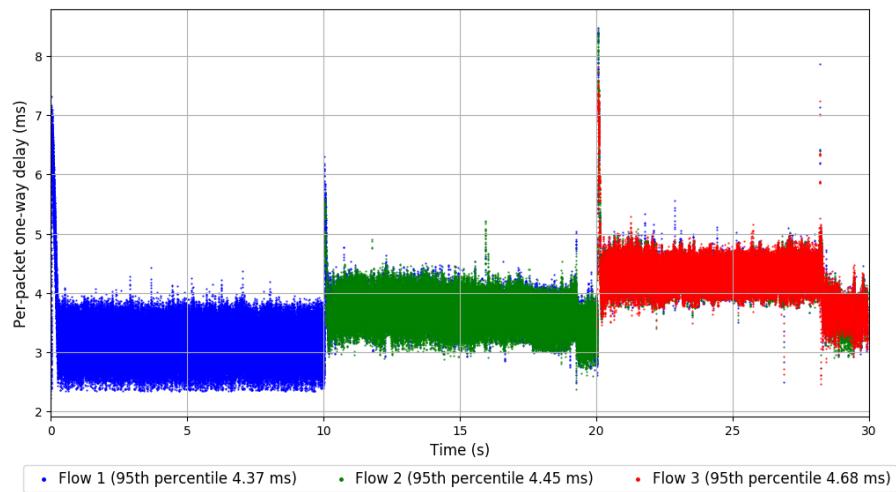
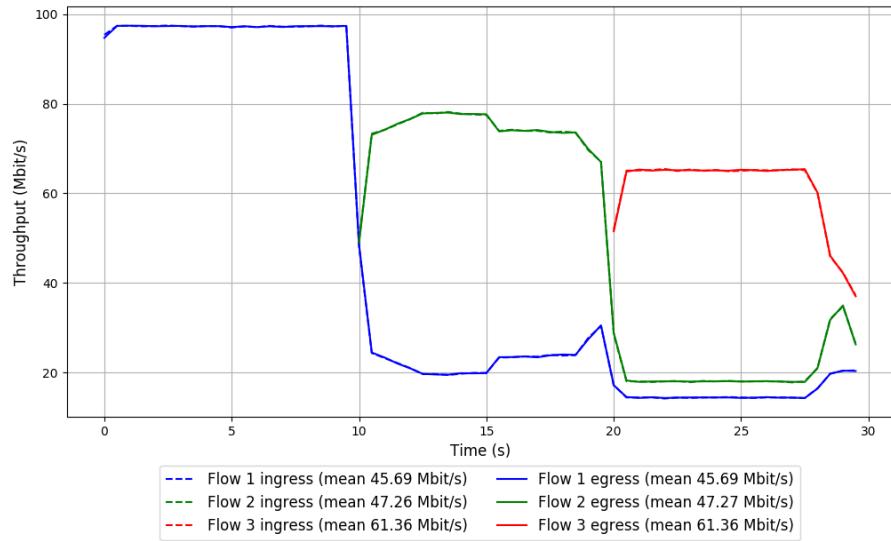


Run 9: Statistics of TCP Vegas

```
Start at: 2018-01-10 01:58:41
End at: 2018-01-10 01:59:11
Local clock offset: -0.155 ms
Remote clock offset: 0.645 ms

# Below is generated by plot.py at 2018-01-10 05:40:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 4.575 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 45.69 Mbit/s
95th percentile per-packet one-way delay: 4.369 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 47.27 Mbit/s
95th percentile per-packet one-way delay: 4.451 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 61.36 Mbit/s
95th percentile per-packet one-way delay: 4.684 ms
Loss rate: 0.04%
```

Run 9: Report of TCP Vegas — Data Link

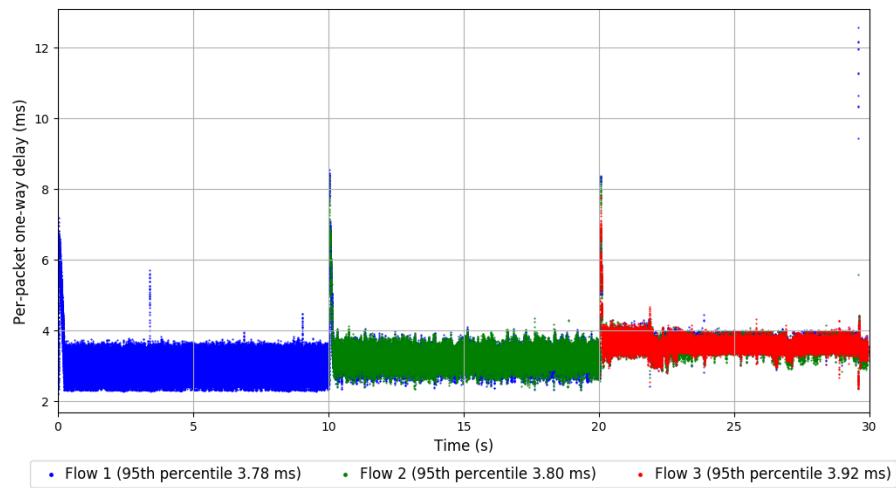
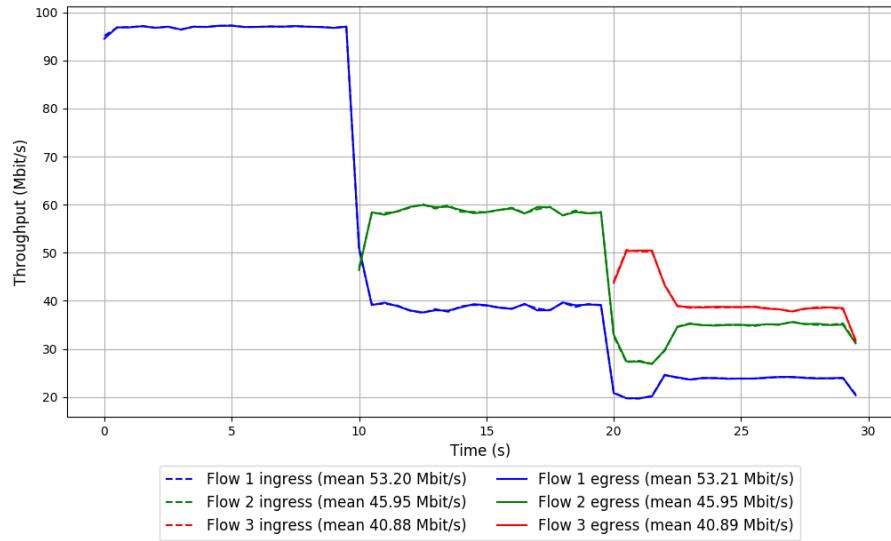


Run 10: Statistics of TCP Vegas

```
Start at: 2018-01-10 02:15:40
End at: 2018-01-10 02:16:10
Local clock offset: -0.126 ms
Remote clock offset: 0.723 ms

# Below is generated by plot.py at 2018-01-10 05:40:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 3.822 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 53.21 Mbit/s
95th percentile per-packet one-way delay: 3.778 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 45.95 Mbit/s
95th percentile per-packet one-way delay: 3.803 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 3.920 ms
Loss rate: 0.05%
```

Run 10: Report of TCP Vegas — Data Link

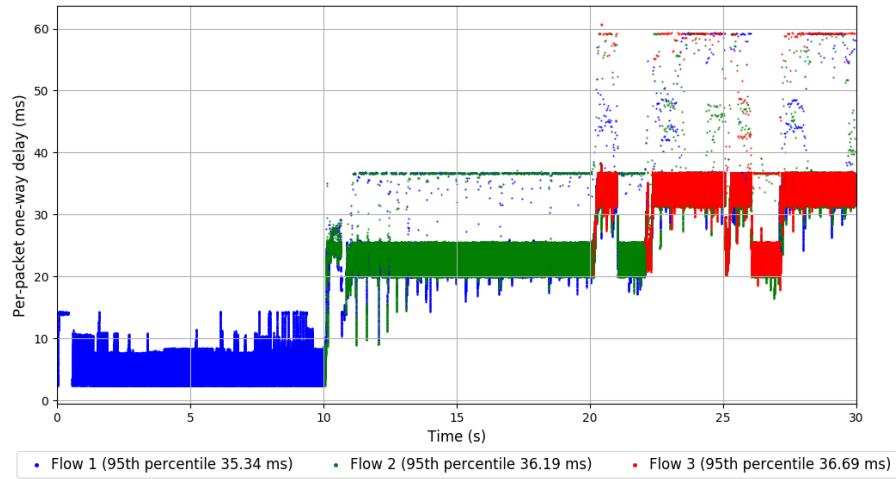
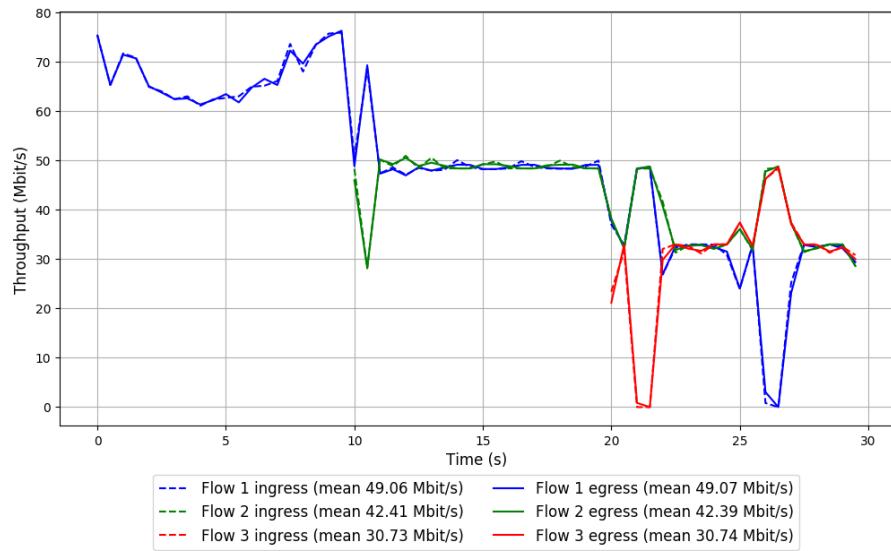


Run 1: Statistics of Verus

```
Start at: 2018-01-09 23:39:34
End at: 2018-01-09 23:40:04
Local clock offset: -0.078 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-01-10 05:41:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 36.360 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 49.07 Mbit/s
95th percentile per-packet one-way delay: 35.337 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 42.39 Mbit/s
95th percentile per-packet one-way delay: 36.189 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.74 Mbit/s
95th percentile per-packet one-way delay: 36.694 ms
Loss rate: 0.49%
```

Run 1: Report of Verus — Data Link

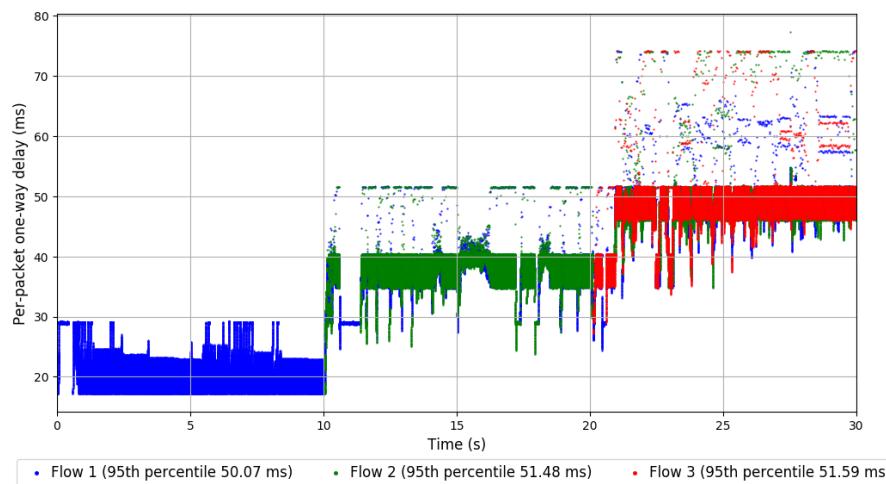
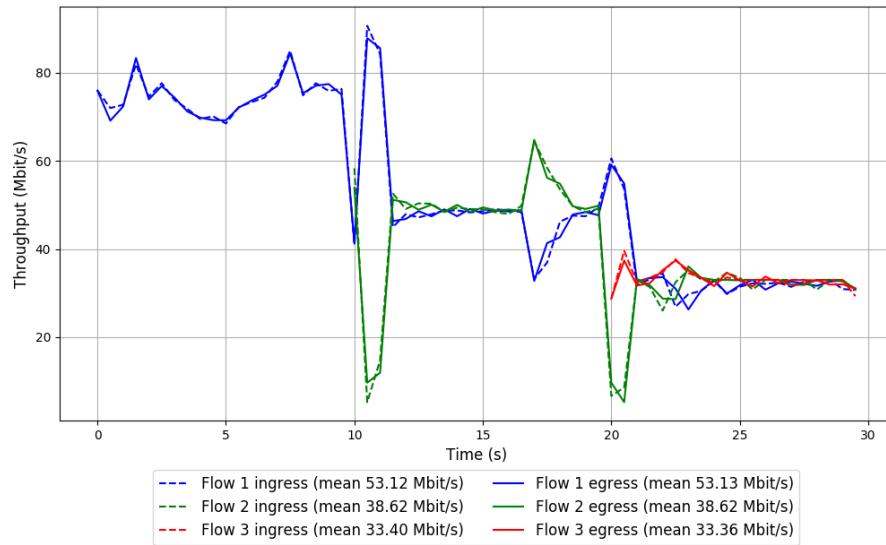


Run 2: Statistics of Verus

```
Start at: 2018-01-09 23:56:32
End at: 2018-01-09 23:57:02
Local clock offset: -0.181 ms
Remote clock offset: -14.708 ms

# Below is generated by plot.py at 2018-01-10 05:42:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: 51.423 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 53.13 Mbit/s
95th percentile per-packet one-way delay: 50.066 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.62 Mbit/s
95th percentile per-packet one-way delay: 51.476 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 33.36 Mbit/s
95th percentile per-packet one-way delay: 51.585 ms
Loss rate: 0.38%
```

Run 2: Report of Verus — Data Link

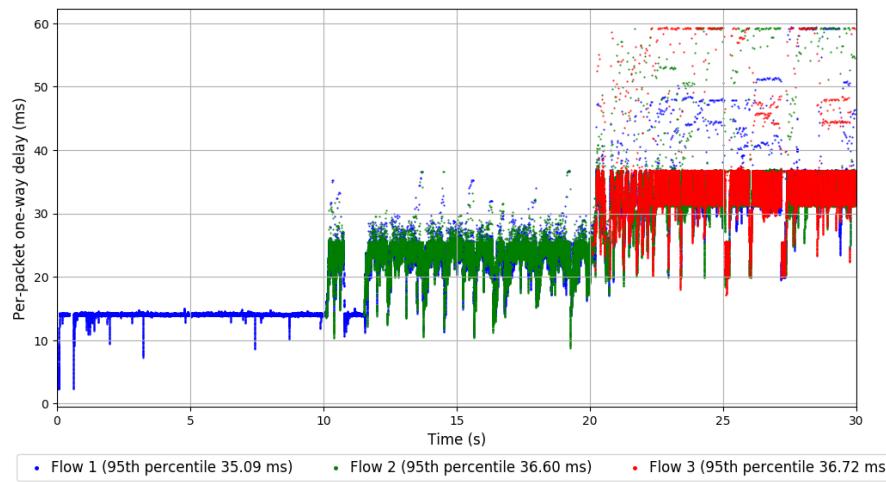
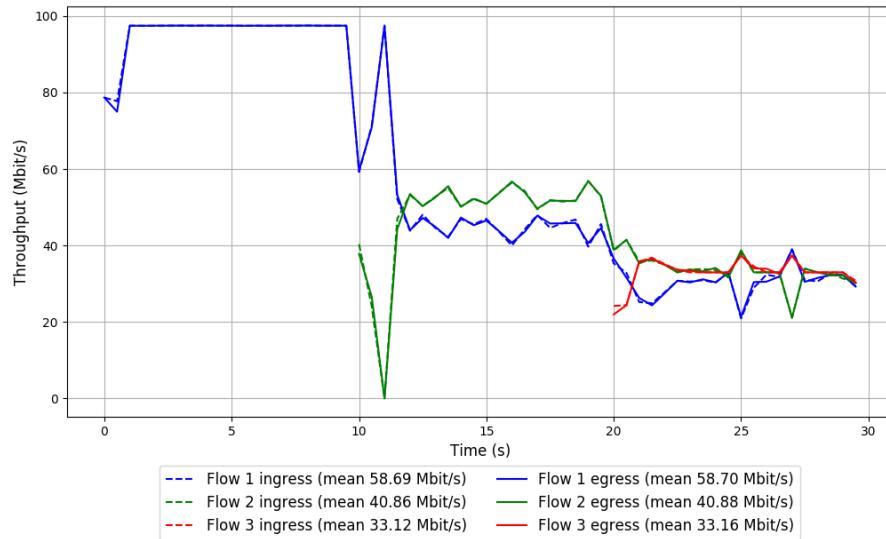


Run 3: Statistics of Verus

```
Start at: 2018-01-10 00:13:31
End at: 2018-01-10 00:14:01
Local clock offset: -0.203 ms
Remote clock offset: 0.272 ms

# Below is generated by plot.py at 2018-01-10 05:42:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 36.529 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.70 Mbit/s
95th percentile per-packet one-way delay: 35.091 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 36.600 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 33.16 Mbit/s
95th percentile per-packet one-way delay: 36.724 ms
Loss rate: 0.41%
```

Run 3: Report of Verus — Data Link

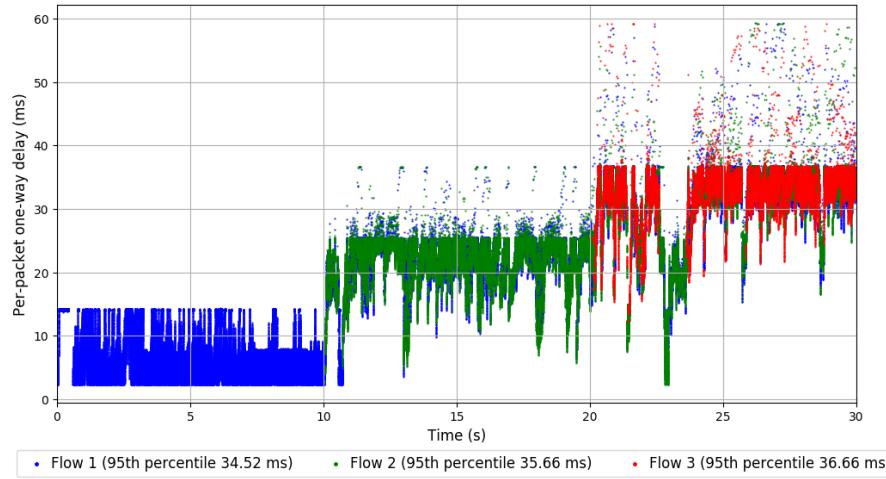
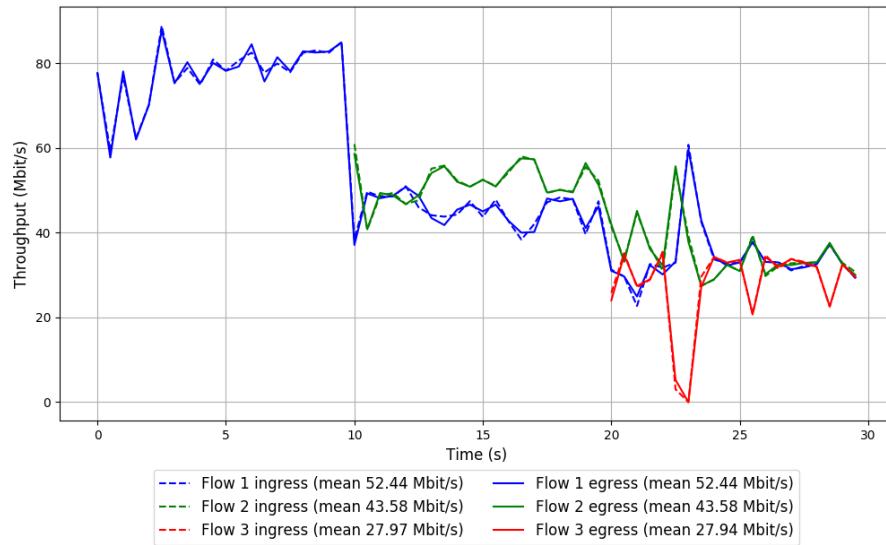


Run 4: Statistics of Verus

```
Start at: 2018-01-10 00:30:29
End at: 2018-01-10 00:30:59
Local clock offset: -0.246 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-01-10 05:42:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.67 Mbit/s
95th percentile per-packet one-way delay: 35.585 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 52.44 Mbit/s
95th percentile per-packet one-way delay: 34.523 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 43.58 Mbit/s
95th percentile per-packet one-way delay: 35.656 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 27.94 Mbit/s
95th percentile per-packet one-way delay: 36.661 ms
Loss rate: 0.44%
```

Run 4: Report of Verus — Data Link

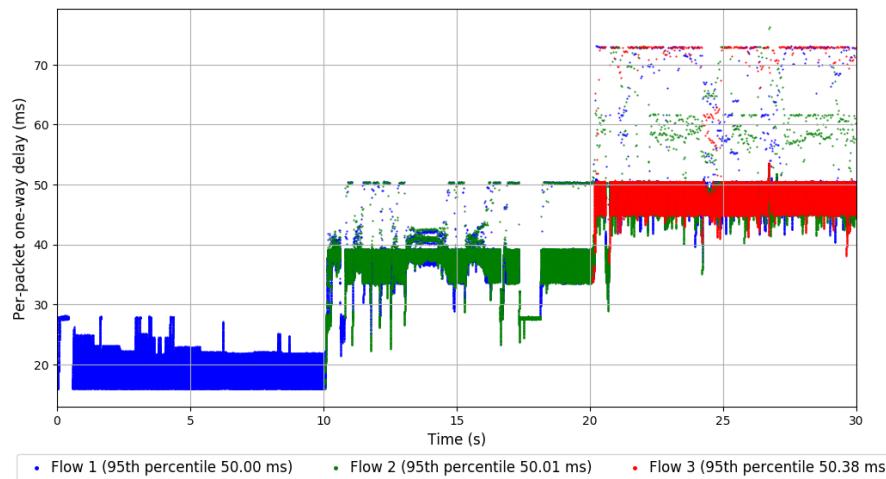
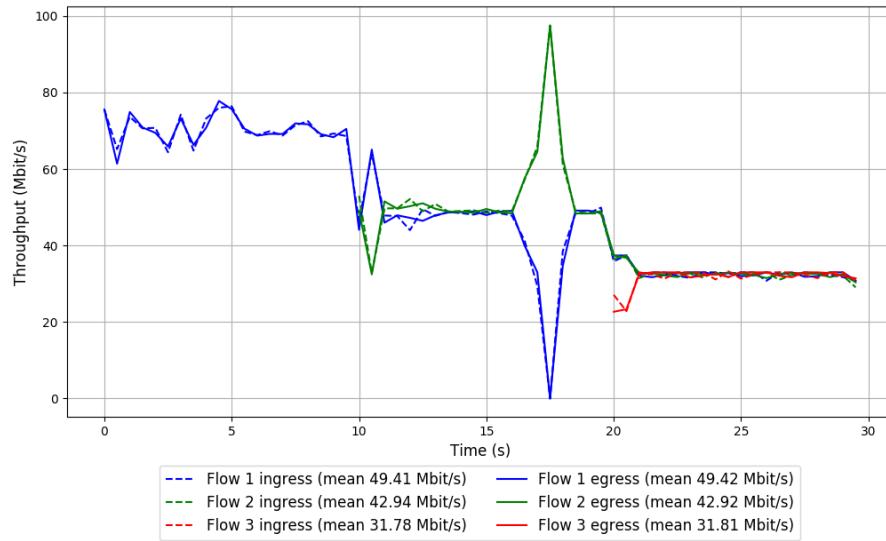


Run 5: Statistics of Verus

```
Start at: 2018-01-10 00:47:29
End at: 2018-01-10 00:47:59
Local clock offset: -0.259 ms
Remote clock offset: -13.587 ms

# Below is generated by plot.py at 2018-01-10 05:42:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.46 Mbit/s
95th percentile per-packet one-way delay: 50.271 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 49.42 Mbit/s
95th percentile per-packet one-way delay: 49.998 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 42.92 Mbit/s
95th percentile per-packet one-way delay: 50.011 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 50.383 ms
Loss rate: 0.44%
```

Run 5: Report of Verus — Data Link

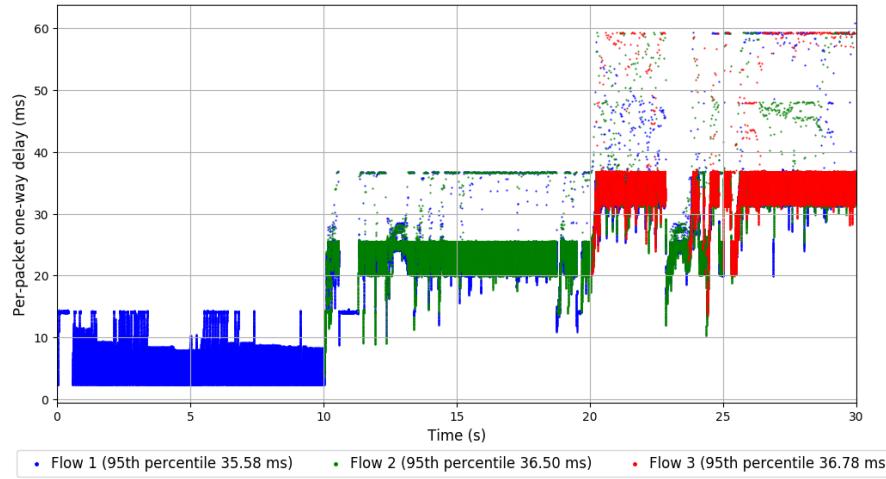
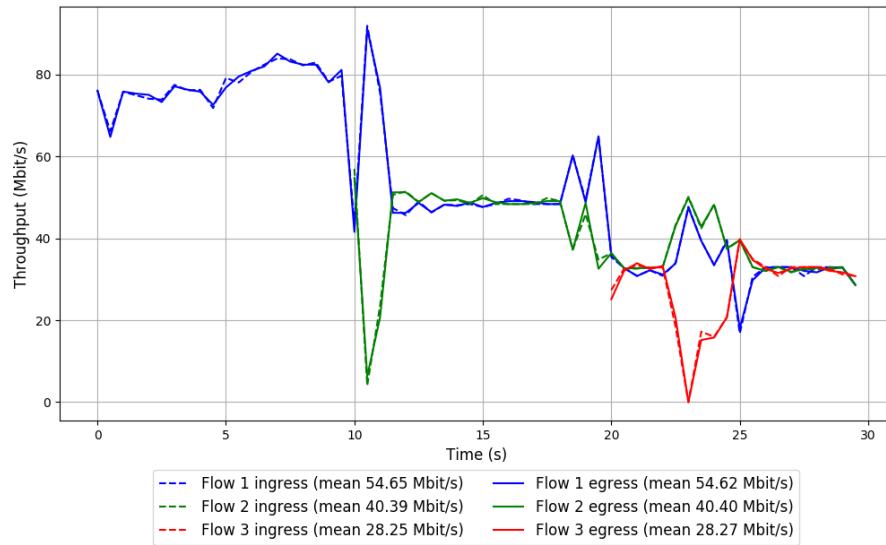


Run 6: Statistics of Verus

```
Start at: 2018-01-10 01:04:28
End at: 2018-01-10 01:04:58
Local clock offset: -0.287 ms
Remote clock offset: 0.217 ms

# Below is generated by plot.py at 2018-01-10 05:42:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: 36.620 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 54.62 Mbit/s
95th percentile per-packet one-way delay: 35.577 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.40 Mbit/s
95th percentile per-packet one-way delay: 36.502 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.27 Mbit/s
95th percentile per-packet one-way delay: 36.784 ms
Loss rate: 0.40%
```

Run 6: Report of Verus — Data Link

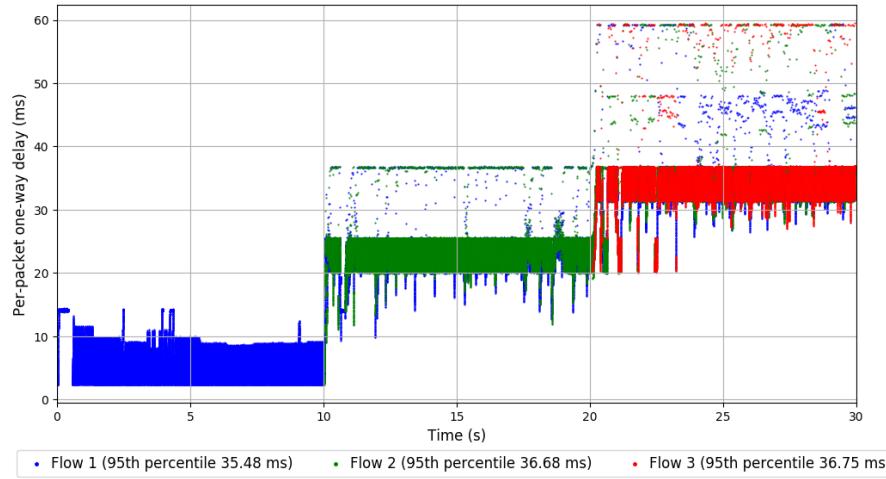
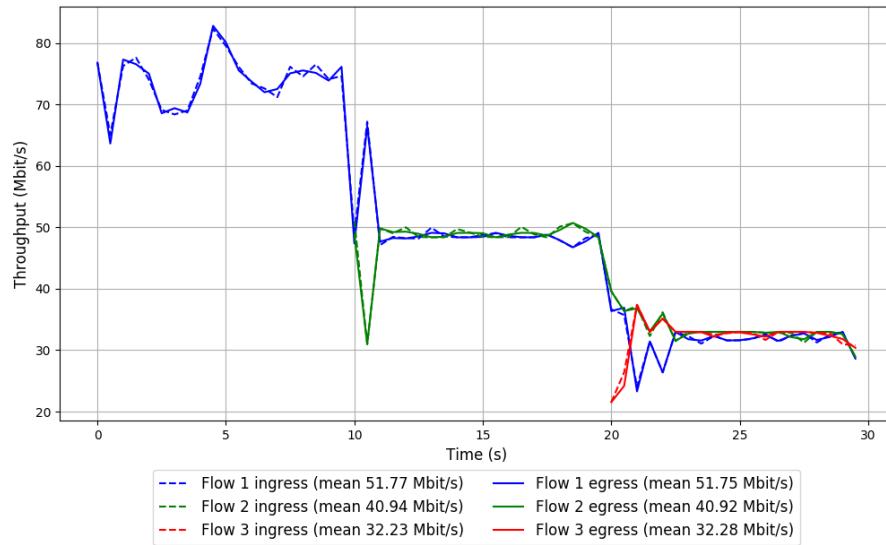


Run 7: Statistics of Verus

```
Start at: 2018-01-10 01:21:24
End at: 2018-01-10 01:21:54
Local clock offset: -0.246 ms
Remote clock offset: 0.416 ms

# Below is generated by plot.py at 2018-01-10 05:43:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.67 Mbit/s
95th percentile per-packet one-way delay: 36.630 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 35.483 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 36.676 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 36.748 ms
Loss rate: 0.35%
```

Run 7: Report of Verus — Data Link

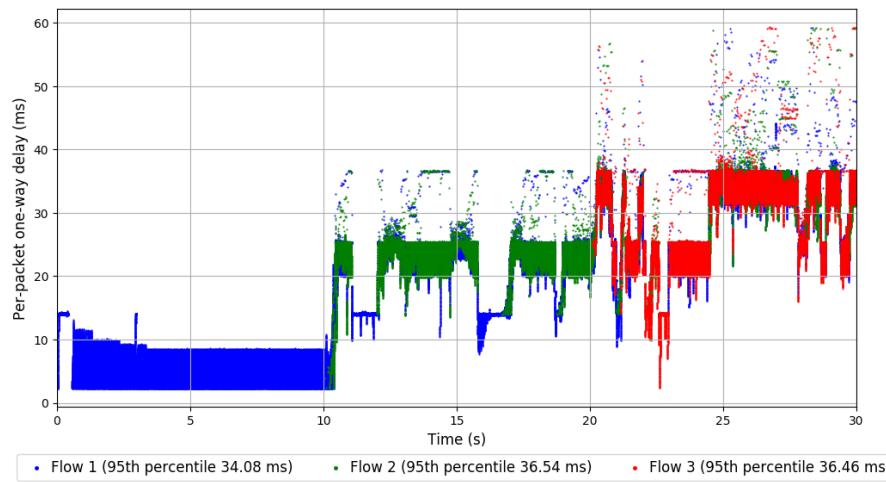
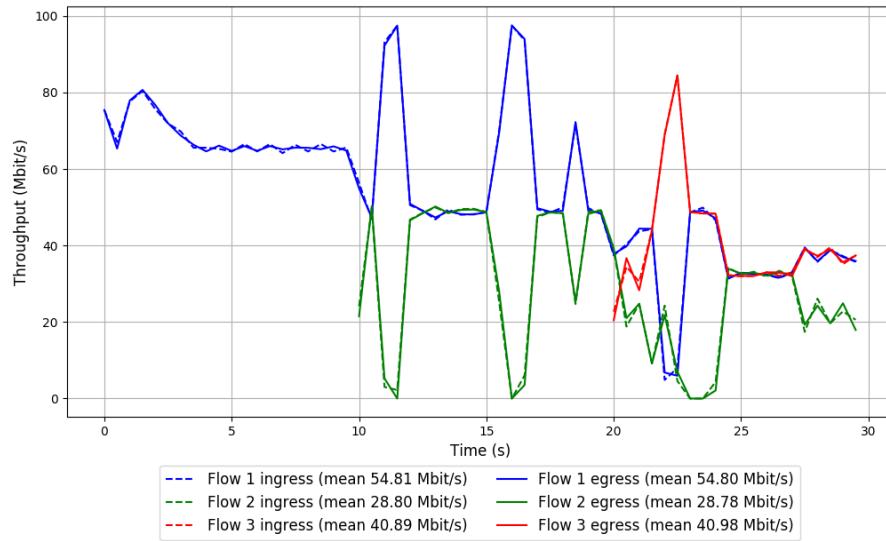


Run 8: Statistics of Verus

```
Start at: 2018-01-10 01:38:23
End at: 2018-01-10 01:38:53
Local clock offset: -0.338 ms
Remote clock offset: 0.534 ms

# Below is generated by plot.py at 2018-01-10 05:43:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 35.846 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 34.077 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 28.78 Mbit/s
95th percentile per-packet one-way delay: 36.536 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 40.98 Mbit/s
95th percentile per-packet one-way delay: 36.457 ms
Loss rate: 0.28%
```

Run 8: Report of Verus — Data Link

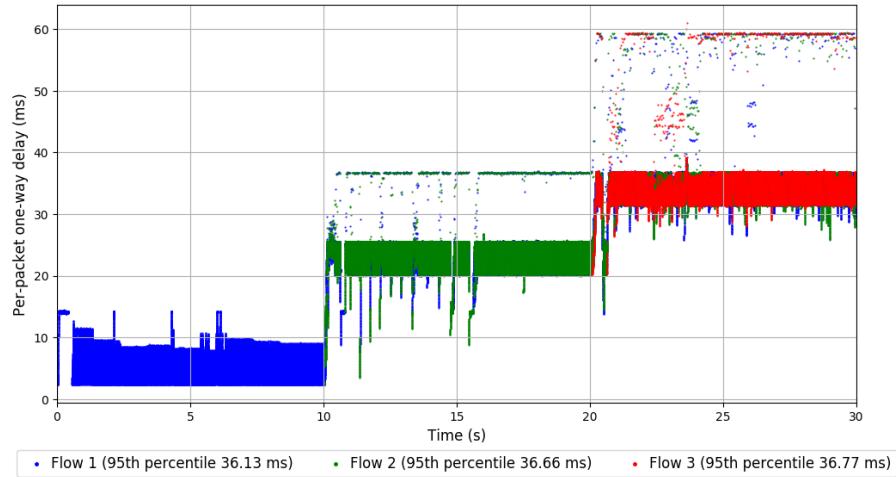
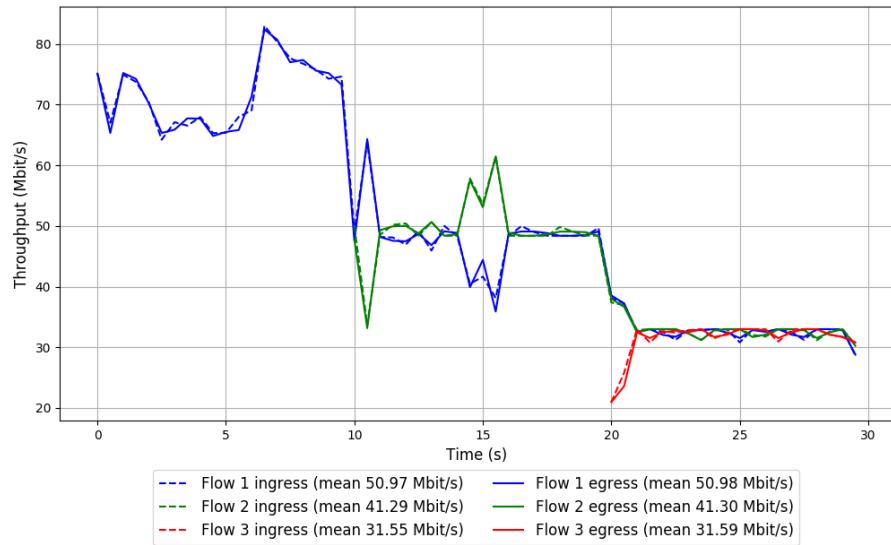


Run 9: Statistics of Verus

```
Start at: 2018-01-10 01:55:20
End at: 2018-01-10 01:55:50
Local clock offset: -0.185 ms
Remote clock offset: 0.617 ms

# Below is generated by plot.py at 2018-01-10 05:43:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.88 Mbit/s
95th percentile per-packet one-way delay: 36.657 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 50.98 Mbit/s
95th percentile per-packet one-way delay: 36.130 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 41.30 Mbit/s
95th percentile per-packet one-way delay: 36.660 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 36.775 ms
Loss rate: 0.36%
```

Run 9: Report of Verus — Data Link

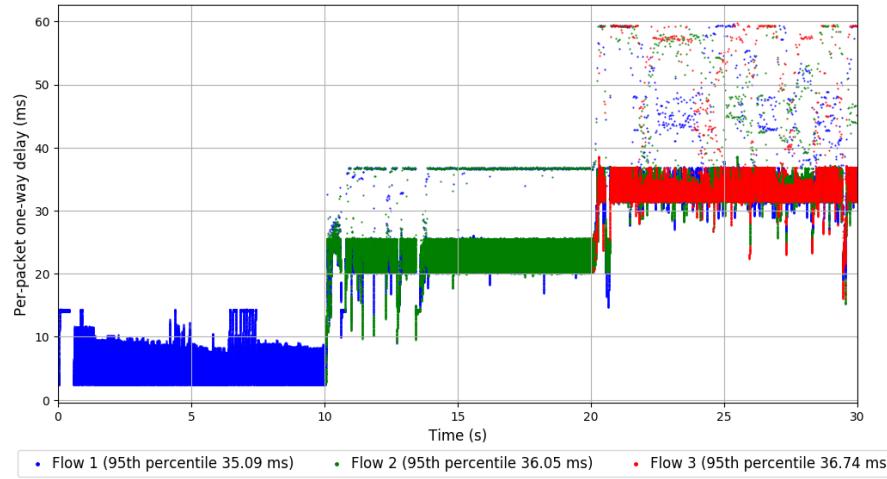
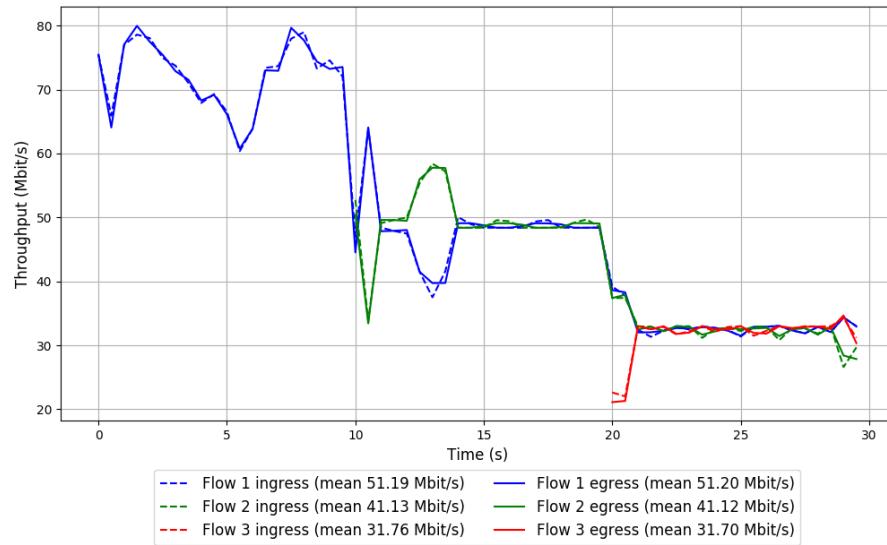


Run 10: Statistics of Verus

```
Start at: 2018-01-10 02:12:19
End at: 2018-01-10 02:12:49
Local clock offset: -0.123 ms
Remote clock offset: 0.624 ms

# Below is generated by plot.py at 2018-01-10 05:44:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 35.980 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 51.20 Mbit/s
95th percentile per-packet one-way delay: 35.095 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 41.12 Mbit/s
95th percentile per-packet one-way delay: 36.052 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 36.741 ms
Loss rate: 0.49%
```

Run 10: Report of Verus — Data Link

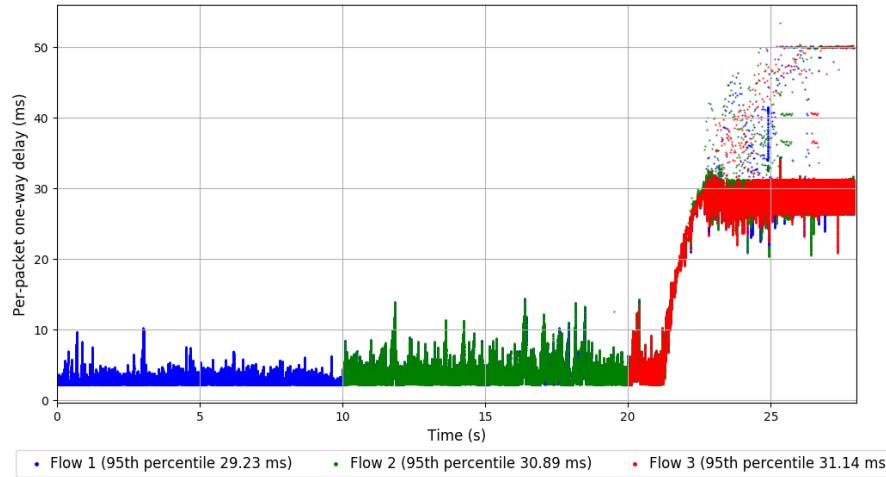
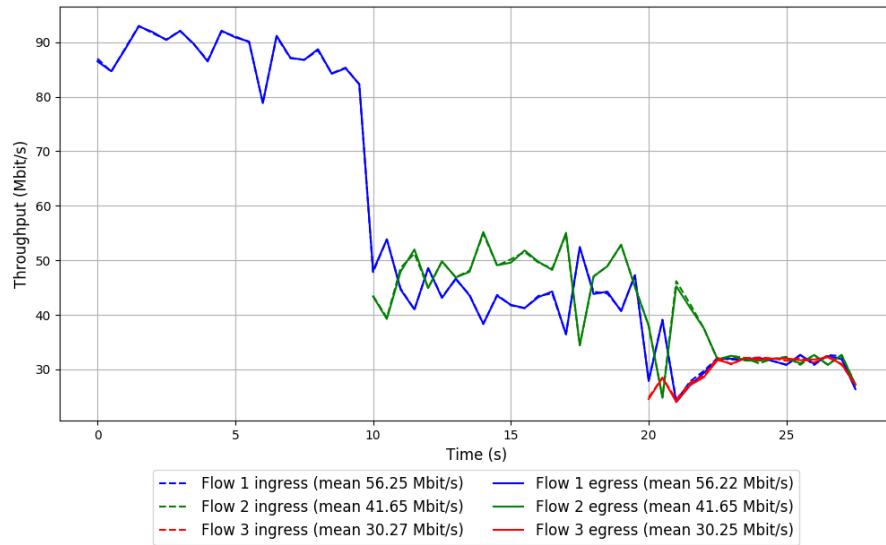


Run 1: Statistics of Copa

```
Start at: 2018-01-09 23:37:15
End at: 2018-01-09 23:37:45
Local clock offset: -0.114 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-01-10 05:46:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.49 Mbit/s
95th percentile per-packet one-way delay: 30.558 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: 29.229 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 41.65 Mbit/s
95th percentile per-packet one-way delay: 30.890 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 30.25 Mbit/s
95th percentile per-packet one-way delay: 31.135 ms
Loss rate: 0.38%
```

Run 1: Report of Copa — Data Link

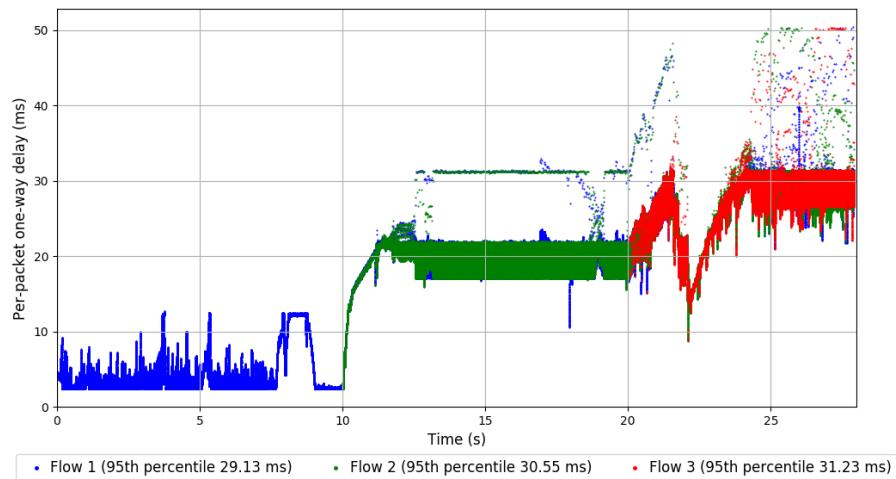
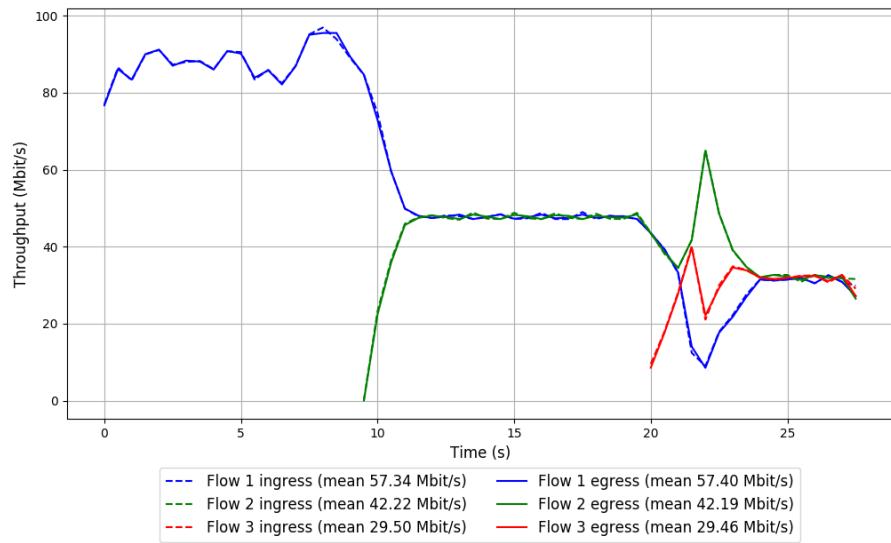


Run 2: Statistics of Copa

```
Start at: 2018-01-09 23:54:13
End at: 2018-01-09 23:54:43
Local clock offset: -0.134 ms
Remote clock offset: 0.078 ms

# Below is generated by plot.py at 2018-01-10 05:46:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 30.335 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 57.40 Mbit/s
95th percentile per-packet one-way delay: 29.131 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 42.19 Mbit/s
95th percentile per-packet one-way delay: 30.546 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 29.46 Mbit/s
95th percentile per-packet one-way delay: 31.232 ms
Loss rate: 0.80%
```

Run 2: Report of Copa — Data Link

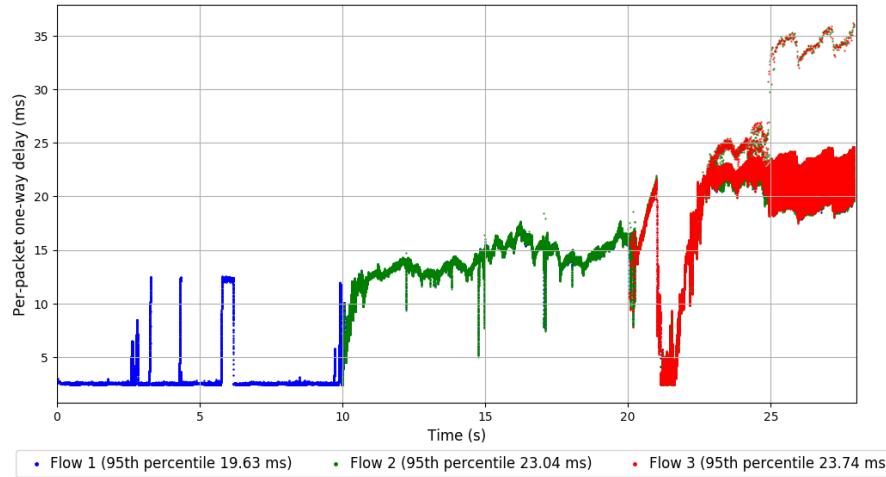
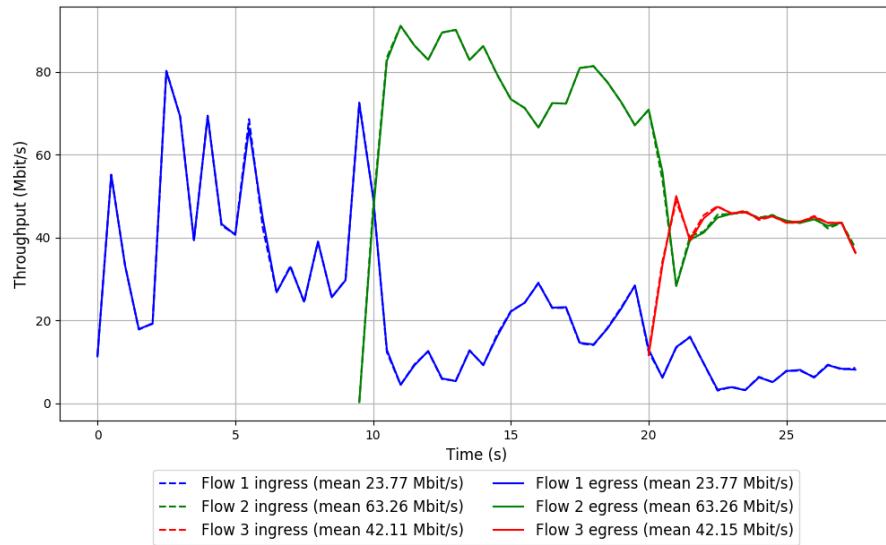


Run 3: Statistics of Copa

```
Start at: 2018-01-10 00:11:14
End at: 2018-01-10 00:11:44
Local clock offset: -0.14 ms
Remote clock offset: 0.267 ms

# Below is generated by plot.py at 2018-01-10 05:46:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.29 Mbit/s
95th percentile per-packet one-way delay: 23.165 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 23.77 Mbit/s
95th percentile per-packet one-way delay: 19.634 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 63.26 Mbit/s
95th percentile per-packet one-way delay: 23.037 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 42.15 Mbit/s
95th percentile per-packet one-way delay: 23.741 ms
Loss rate: 0.28%
```

Run 3: Report of Copa — Data Link

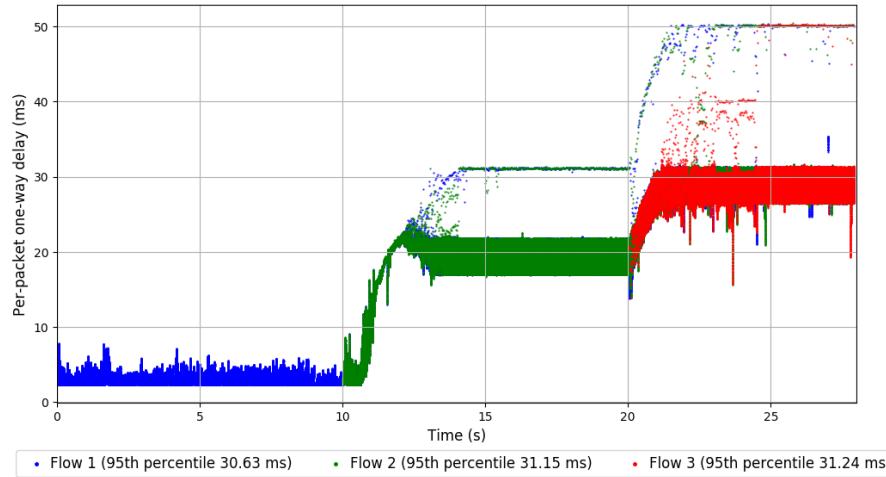
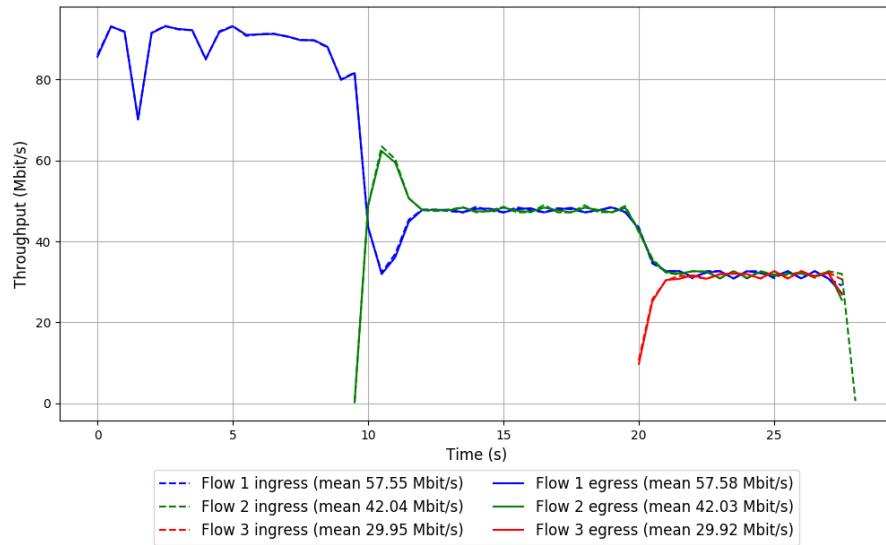


Run 4: Statistics of Copa

```
Start at: 2018-01-10 00:28:11
End at: 2018-01-10 00:28:41
Local clock offset: -0.203 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-01-10 05:47:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 31.113 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 57.58 Mbit/s
95th percentile per-packet one-way delay: 30.633 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 31.146 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 29.92 Mbit/s
95th percentile per-packet one-way delay: 31.238 ms
Loss rate: 1.17%
```

Run 4: Report of Copa — Data Link

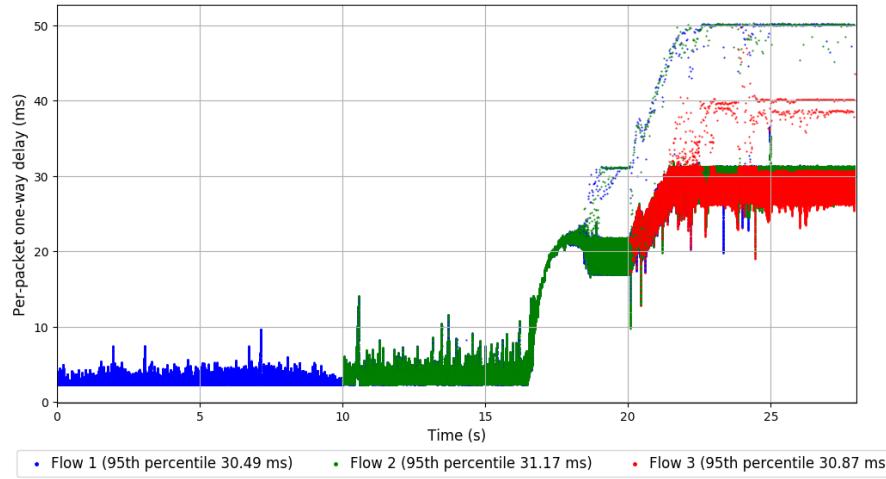
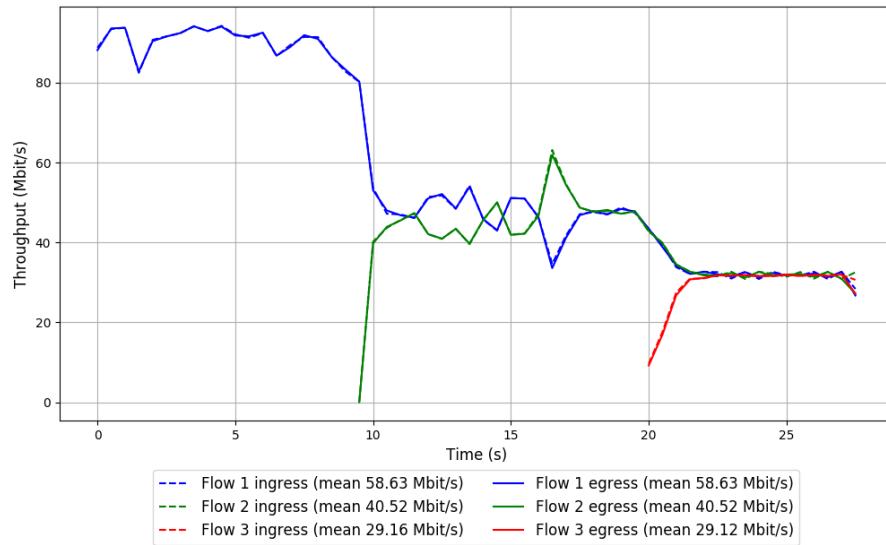


Run 5: Statistics of Copa

```
Start at: 2018-01-10 00:45:11
End at: 2018-01-10 00:45:41
Local clock offset: -0.237 ms
Remote clock offset: 0.034 ms

# Below is generated by plot.py at 2018-01-10 05:47:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 31.038 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 30.486 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 31.166 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 29.12 Mbit/s
95th percentile per-packet one-way delay: 30.868 ms
Loss rate: 1.13%
```

Run 5: Report of Copa — Data Link

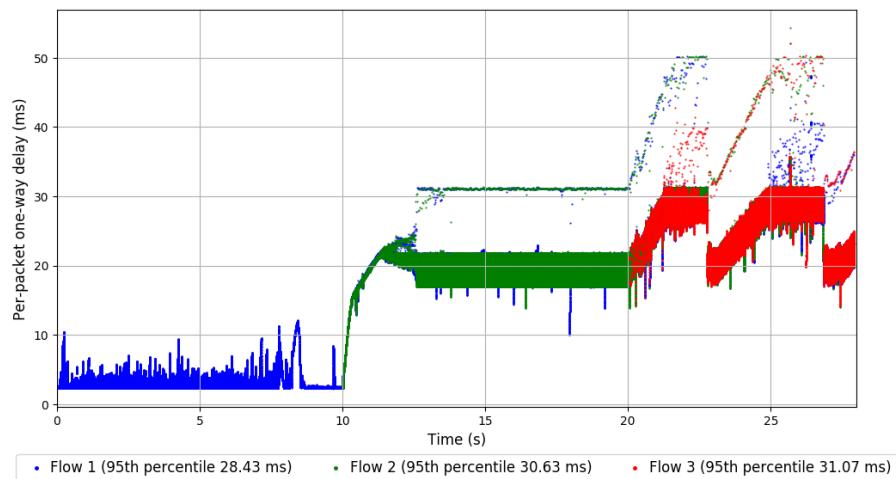
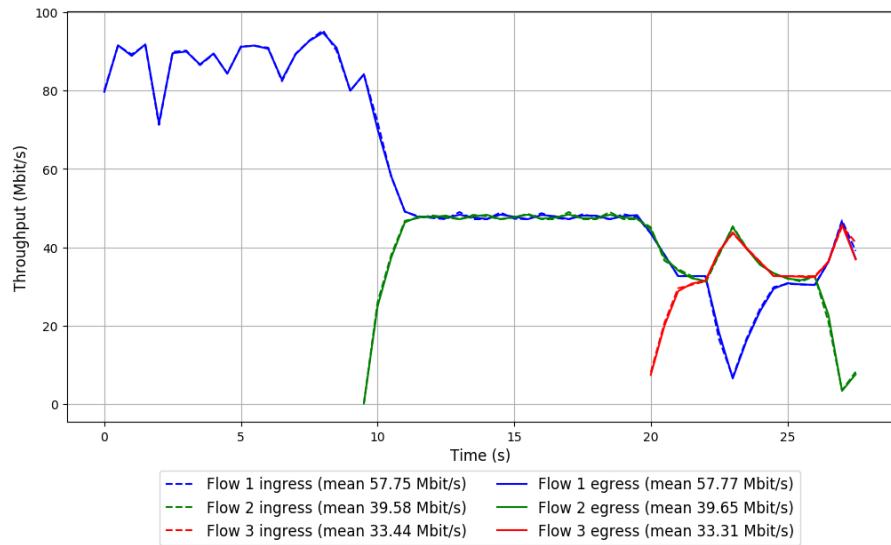


Run 6: Statistics of Copa

```
Start at: 2018-01-10 01:02:09
End at: 2018-01-10 01:02:39
Local clock offset: -0.292 ms
Remote clock offset: 0.238 ms

# Below is generated by plot.py at 2018-01-10 05:47:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 30.044 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 28.430 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.65 Mbit/s
95th percentile per-packet one-way delay: 30.627 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 33.31 Mbit/s
95th percentile per-packet one-way delay: 31.069 ms
Loss rate: 1.15%
```

Run 6: Report of Copa — Data Link

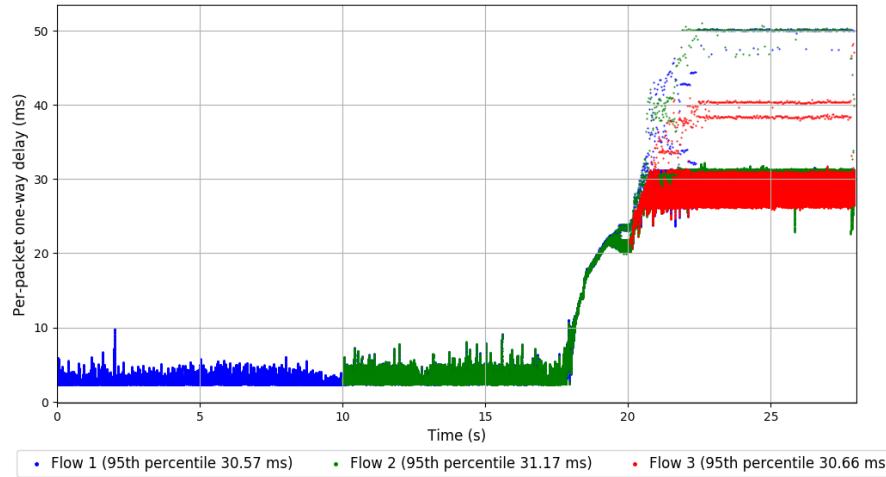
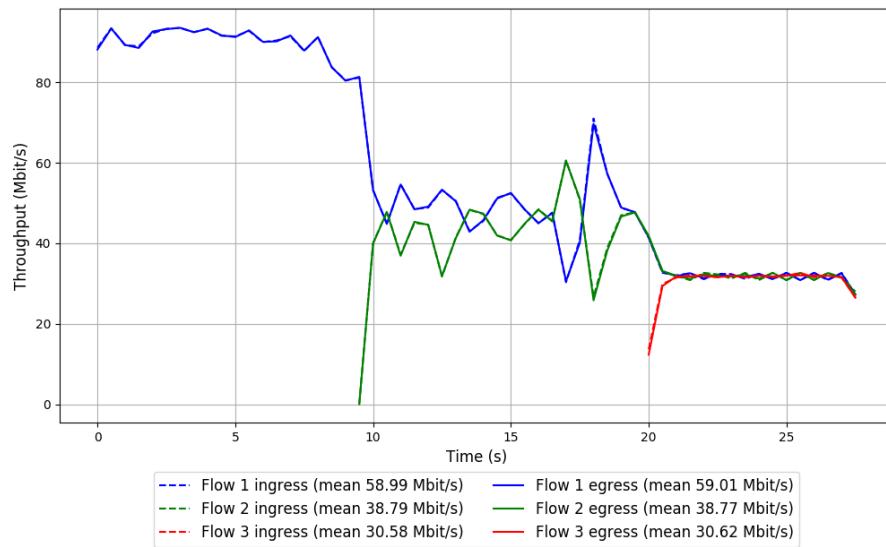


Run 7: Statistics of Copa

```
Start at: 2018-01-10 01:19:05
End at: 2018-01-10 01:19:35
Local clock offset: -0.289 ms
Remote clock offset: 0.411 ms

# Below is generated by plot.py at 2018-01-10 05:48:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 31.045 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.01 Mbit/s
95th percentile per-packet one-way delay: 30.567 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 31.167 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 30.62 Mbit/s
95th percentile per-packet one-way delay: 30.656 ms
Loss rate: 0.38%
```

Run 7: Report of Copa — Data Link

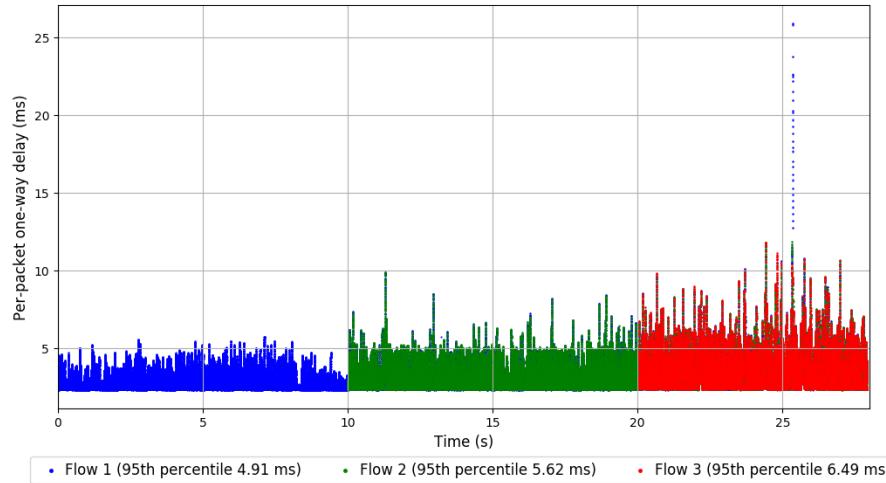
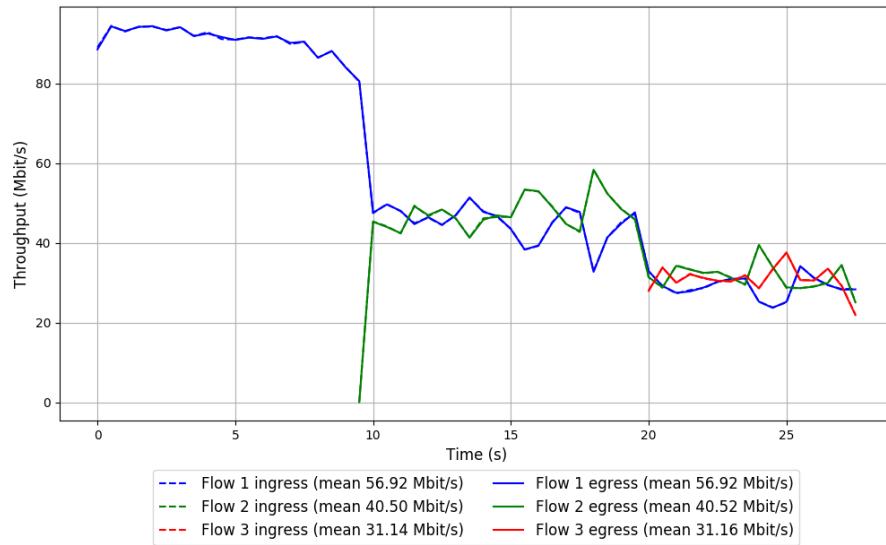


Run 8: Statistics of Copa

```
Start at: 2018-01-10 01:36:04
End at: 2018-01-10 01:36:34
Local clock offset: -0.326 ms
Remote clock offset: 0.461 ms

# Below is generated by plot.py at 2018-01-10 05:48:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 5.394 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 4.905 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 5.624 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 6.490 ms
Loss rate: 0.08%
```

Run 8: Report of Copa — Data Link

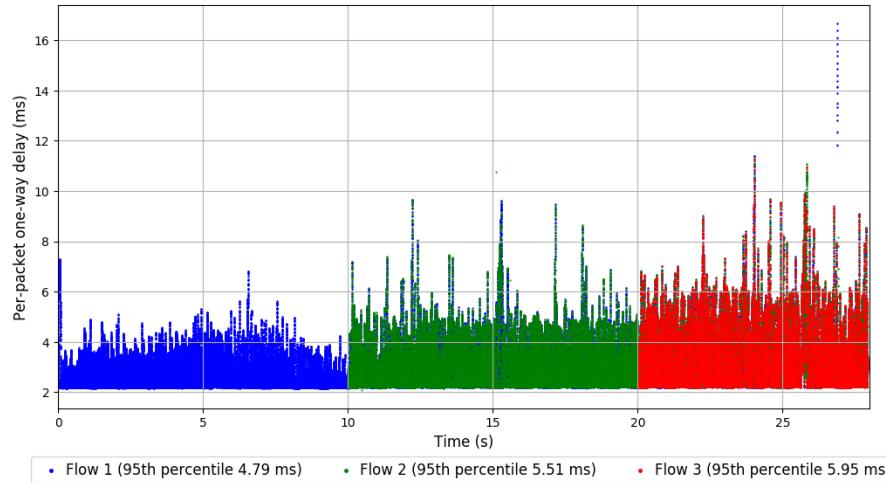
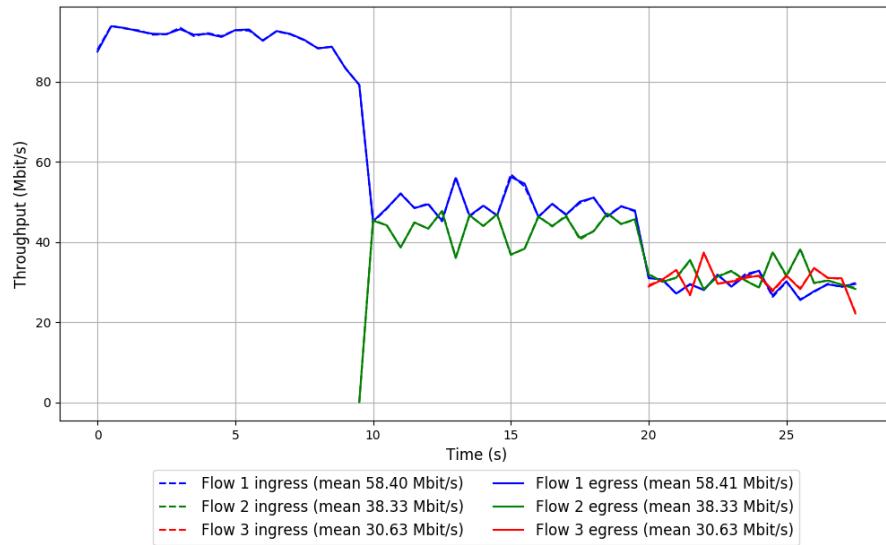


Run 9: Statistics of Copa

```
Start at: 2018-01-10 01:53:02
End at: 2018-01-10 01:53:32
Local clock offset: -0.348 ms
Remote clock offset: 0.637 ms

# Below is generated by plot.py at 2018-01-10 05:50:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 5.230 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 4.790 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 5.514 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 5.946 ms
Loss rate: 0.08%
```

Run 9: Report of Copa — Data Link

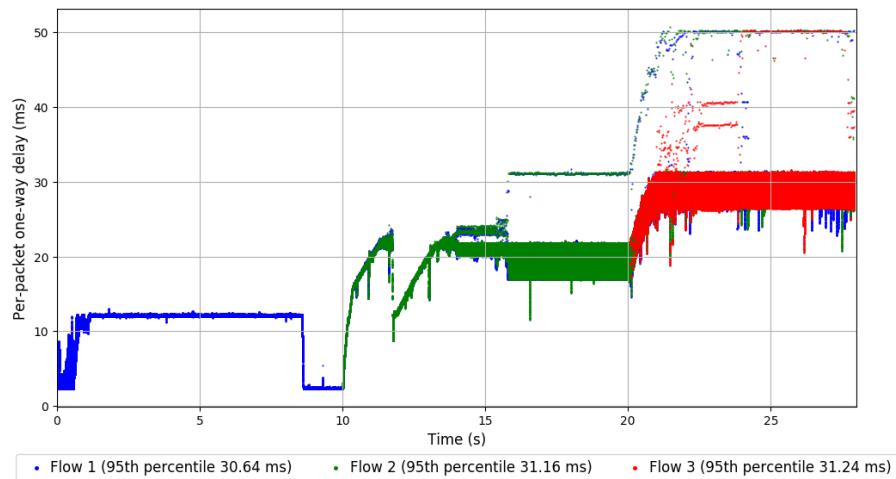
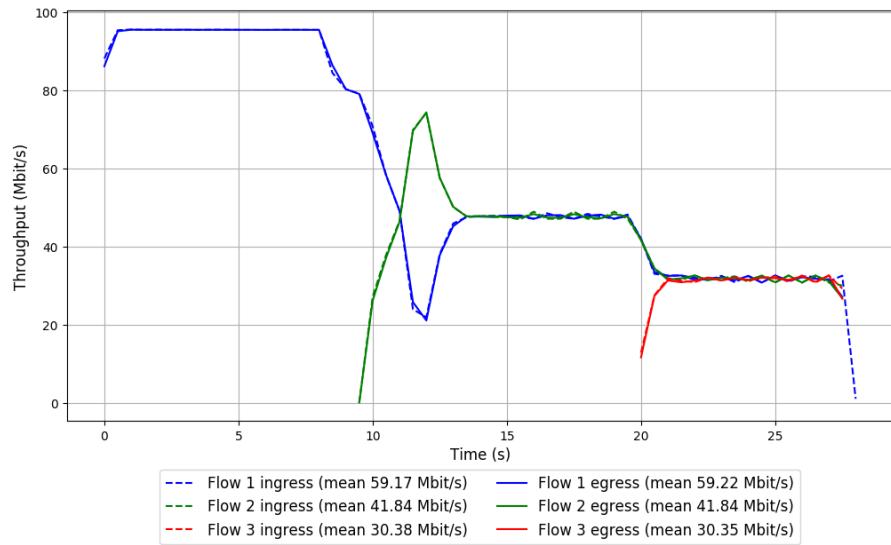


Run 10: Statistics of Copa

```
Start at: 2018-01-10 02:10:00
End at: 2018-01-10 02:10:30
Local clock offset: -0.171 ms
Remote clock offset: 0.628 ms

# Below is generated by plot.py at 2018-01-10 05:51:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 31.129 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 30.636 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 41.84 Mbit/s
95th percentile per-packet one-way delay: 31.160 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 30.35 Mbit/s
95th percentile per-packet one-way delay: 31.236 ms
Loss rate: 0.91%
```

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-01-09 23:49:46
End at: 2018-01-09 23:50:16
Local clock offset: -0.132 ms
Remote clock offset: 0.04 ms

Run 1: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of FillP

Start at: 2018-01-10 00:06:47
End at: 2018-01-10 00:07:17
Local clock offset: -0.136 ms
Remote clock offset: -15.635 ms

Run 2: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of FillP

Start at: 2018-01-10 00:23:44
End at: 2018-01-10 00:24:14
Local clock offset: -0.232 ms
Remote clock offset: 0.079 ms

Run 3: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of FillP

Start at: 2018-01-10 00:40:45
End at: 2018-01-10 00:41:15
Local clock offset: -0.243 ms
Remote clock offset: 0.011 ms

Run 4: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of FillP

Start at: 2018-01-10 00:57:42
End at: 2018-01-10 00:58:12
Local clock offset: -0.253 ms
Remote clock offset: 0.168 ms

Run 5: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of FillP

Start at: 2018-01-10 01:14:40
End at: 2018-01-10 01:15:10
Local clock offset: -0.303 ms
Remote clock offset: 0.39 ms

Run 6: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of FillP

Start at: 2018-01-10 01:31:37

End at: 2018-01-10 01:32:07

Local clock offset: -0.37 ms

Remote clock offset: 0.44 ms

Run 7: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of FillP

Start at: 2018-01-10 01:48:34
End at: 2018-01-10 01:49:04
Local clock offset: -0.22 ms
Remote clock offset: 0.589 ms

Run 8: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of FillP

Start at: 2018-01-10 02:05:33
End at: 2018-01-10 02:06:03
Local clock offset: -0.123 ms
Remote clock offset: 0.682 ms

Run 9: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of FillP

Start at: 2018-01-10 02:22:34

End at: 2018-01-10 02:23:04

Local clock offset: -0.123 ms

Remote clock offset: 0.752 ms

Run 10: Report of FillP — Data Link

Figure is missing

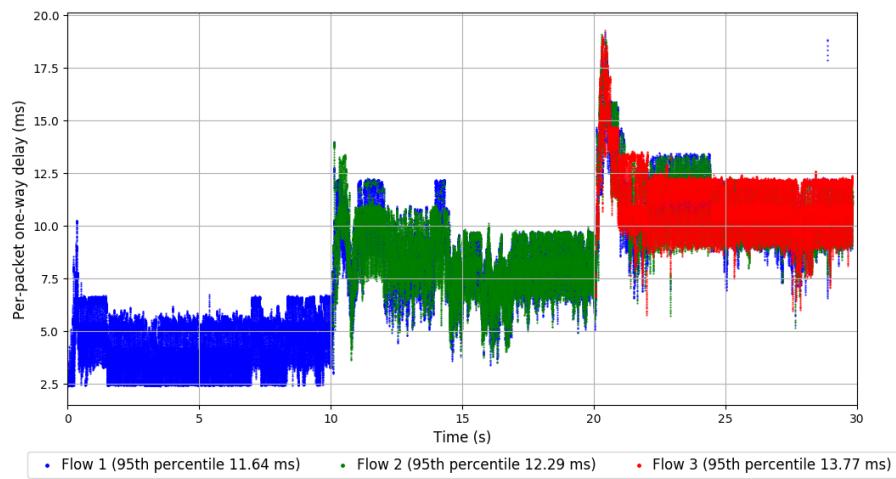
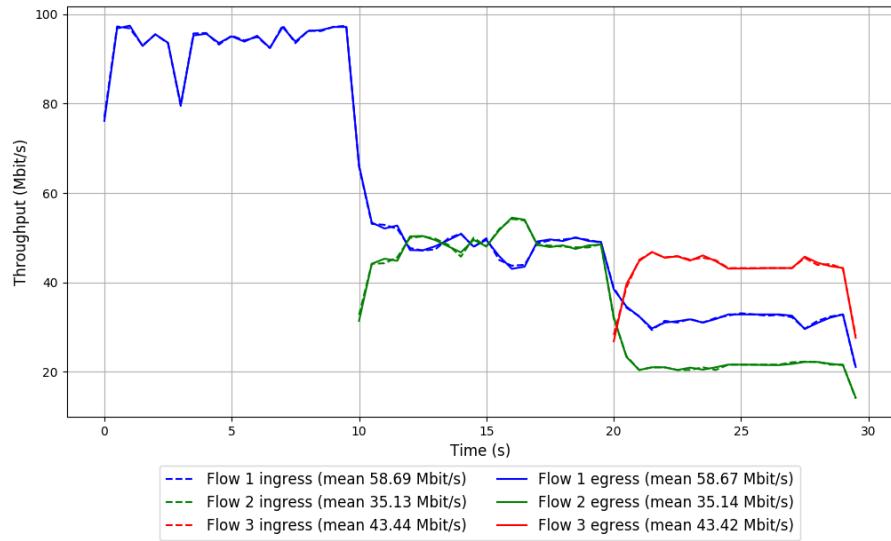
Figure is missing

Run 1: Statistics of Indigo

```
Start at: 2018-01-09 23:44:02
End at: 2018-01-09 23:44:32
Local clock offset: -0.036 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-01-10 05:51:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 12.140 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 58.67 Mbit/s
95th percentile per-packet one-way delay: 11.636 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 35.14 Mbit/s
95th percentile per-packet one-way delay: 12.292 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 43.42 Mbit/s
95th percentile per-packet one-way delay: 13.765 ms
Loss rate: 0.14%
```

Run 1: Report of Indigo — Data Link

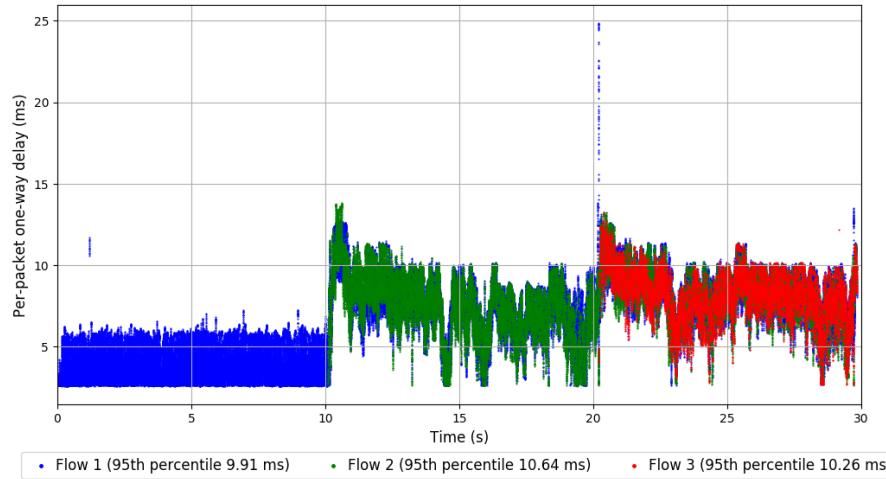
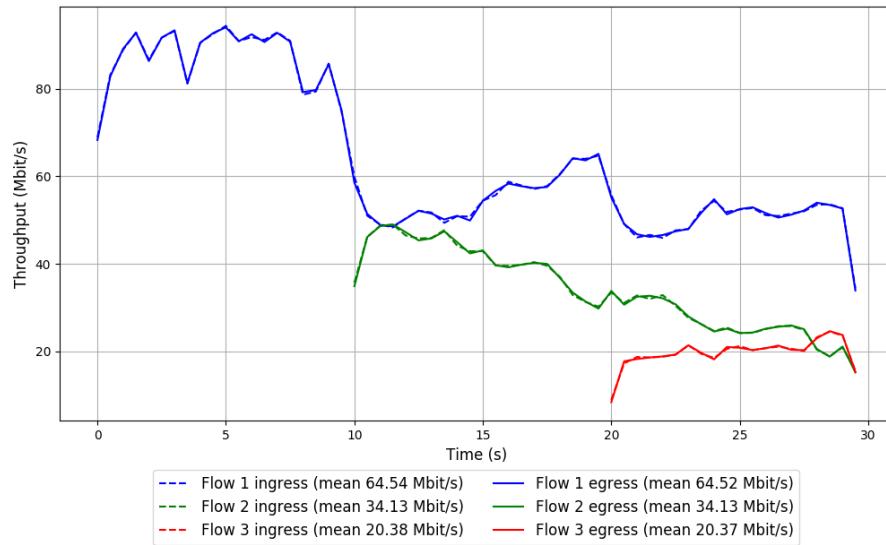


Run 2: Statistics of Indigo

```
Start at: 2018-01-10 00:01:01
End at: 2018-01-10 00:01:31
Local clock offset: 0.009 ms
Remote clock offset: 0.176 ms

# Below is generated by plot.py at 2018-01-10 05:51:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.68 Mbit/s
95th percentile per-packet one-way delay: 10.062 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 64.52 Mbit/s
95th percentile per-packet one-way delay: 9.906 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.13 Mbit/s
95th percentile per-packet one-way delay: 10.637 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 20.37 Mbit/s
95th percentile per-packet one-way delay: 10.257 ms
Loss rate: 0.12%
```

Run 2: Report of Indigo — Data Link

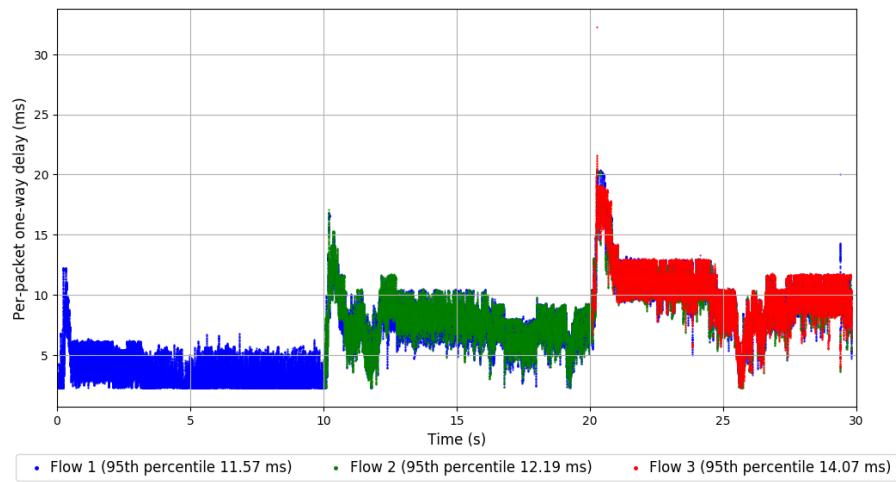
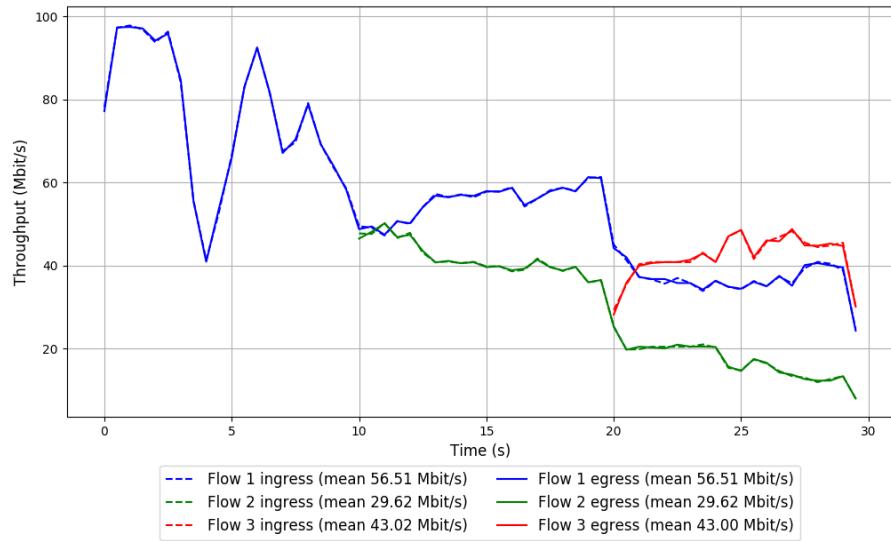


Run 3: Statistics of Indigo

```
Start at: 2018-01-10 00:18:00
End at: 2018-01-10 00:18:31
Local clock offset: -0.257 ms
Remote clock offset: 0.171 ms

# Below is generated by plot.py at 2018-01-10 05:51:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.24 Mbit/s
95th percentile per-packet one-way delay: 12.392 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 56.51 Mbit/s
95th percentile per-packet one-way delay: 11.573 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 29.62 Mbit/s
95th percentile per-packet one-way delay: 12.193 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 43.00 Mbit/s
95th percentile per-packet one-way delay: 14.075 ms
Loss rate: 0.14%
```

Run 3: Report of Indigo — Data Link

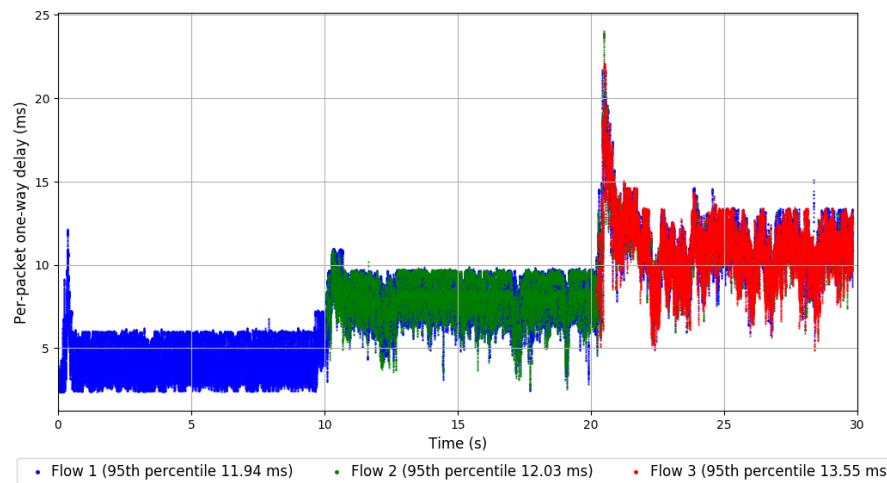
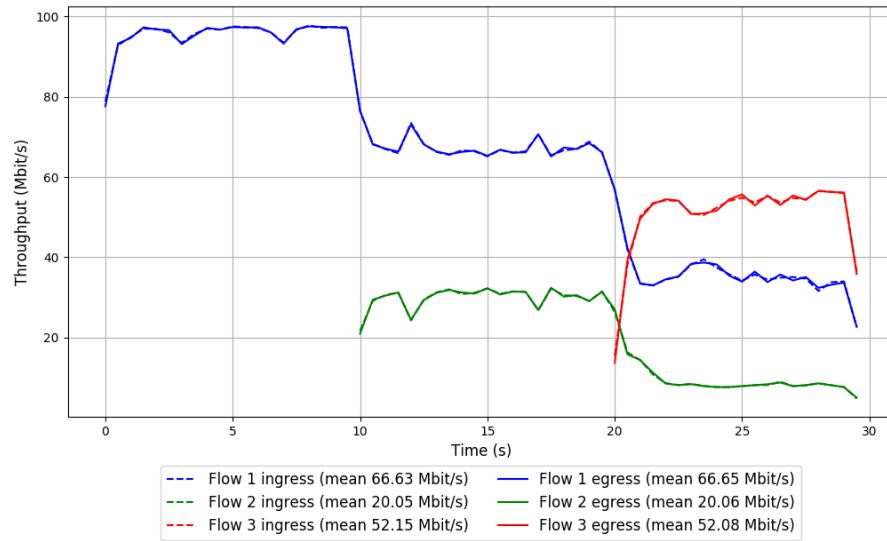


Run 4: Statistics of Indigo

```
Start at: 2018-01-10 00:34:59
End at: 2018-01-10 00:35:29
Local clock offset: -0.244 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2018-01-10 05:51:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 12.646 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 66.65 Mbit/s
95th percentile per-packet one-way delay: 11.944 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 20.06 Mbit/s
95th percentile per-packet one-way delay: 12.032 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.08 Mbit/s
95th percentile per-packet one-way delay: 13.546 ms
Loss rate: 0.16%
```

Run 4: Report of Indigo — Data Link

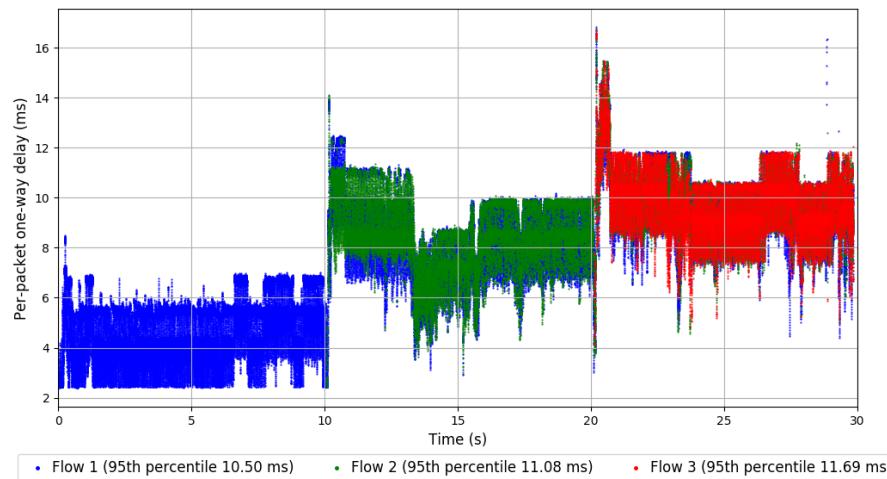
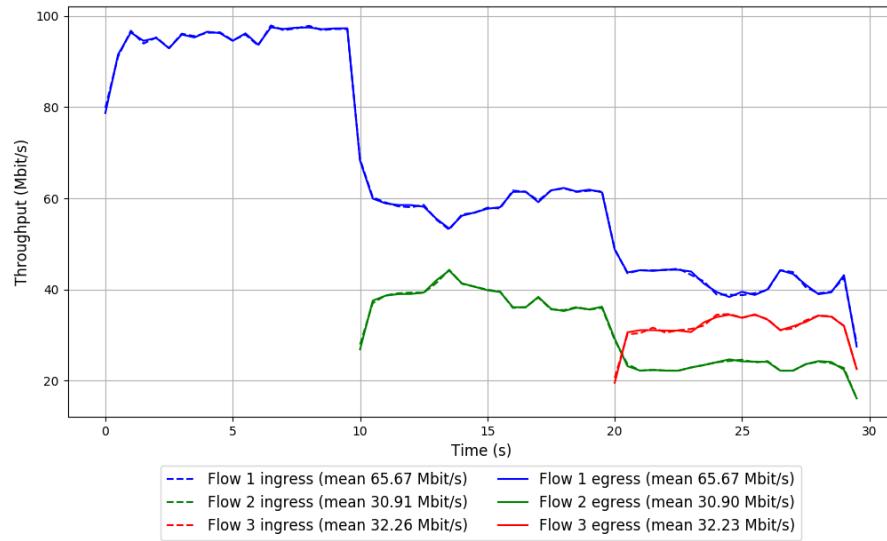


Run 5: Statistics of Indigo

```
Start at: 2018-01-10 00:51:59
End at: 2018-01-10 00:52:29
Local clock offset: -0.251 ms
Remote clock offset: 0.061 ms

# Below is generated by plot.py at 2018-01-10 05:51:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 10.996 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 65.67 Mbit/s
95th percentile per-packet one-way delay: 10.503 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 11.081 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 11.690 ms
Loss rate: 0.13%
```

Run 5: Report of Indigo — Data Link

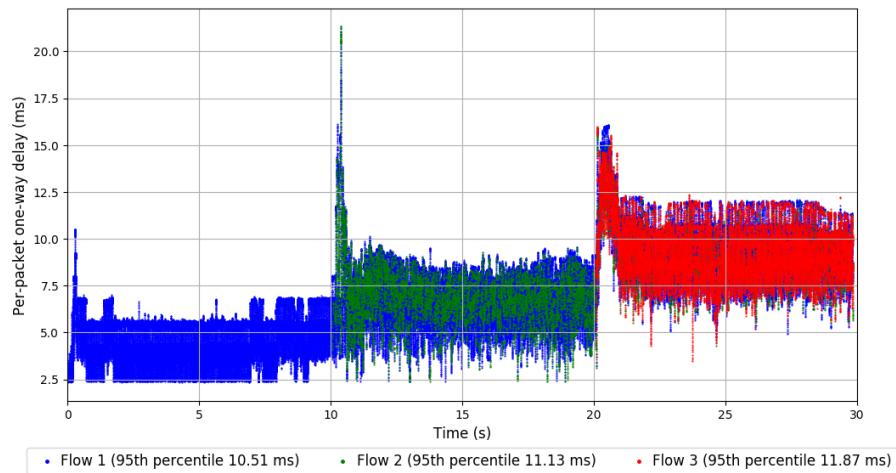
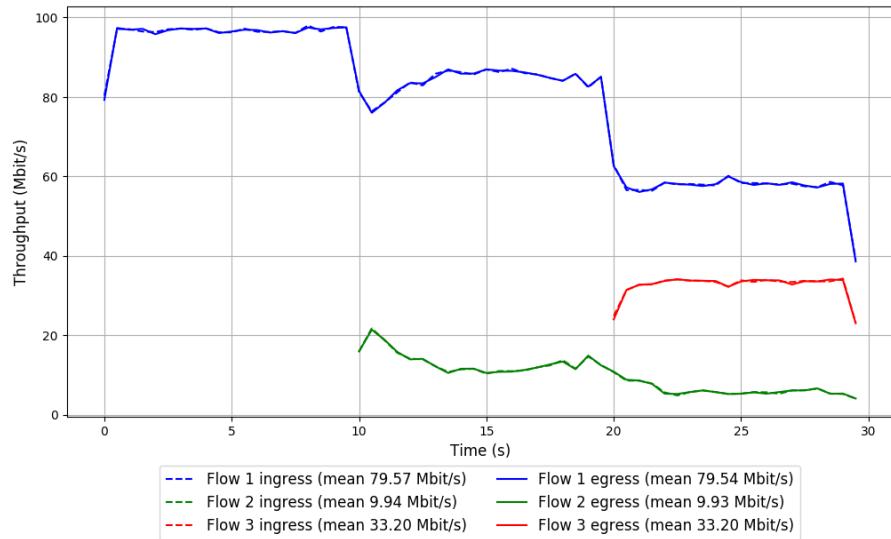


Run 6: Statistics of Indigo

```
Start at: 2018-01-10 01:08:57
End at: 2018-01-10 01:09:27
Local clock offset: -0.305 ms
Remote clock offset: 0.256 ms

# Below is generated by plot.py at 2018-01-10 05:51:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 10.794 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 79.54 Mbit/s
95th percentile per-packet one-way delay: 10.514 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 9.93 Mbit/s
95th percentile per-packet one-way delay: 11.127 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.20 Mbit/s
95th percentile per-packet one-way delay: 11.870 ms
Loss rate: 0.13%
```

Run 6: Report of Indigo — Data Link

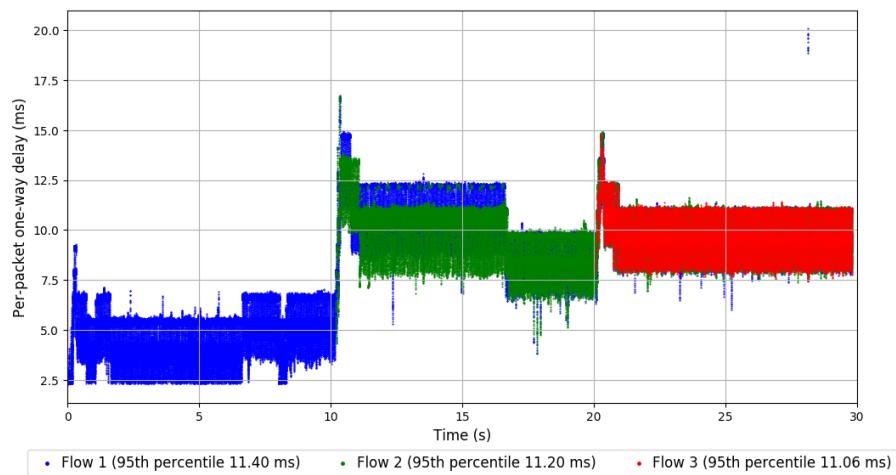
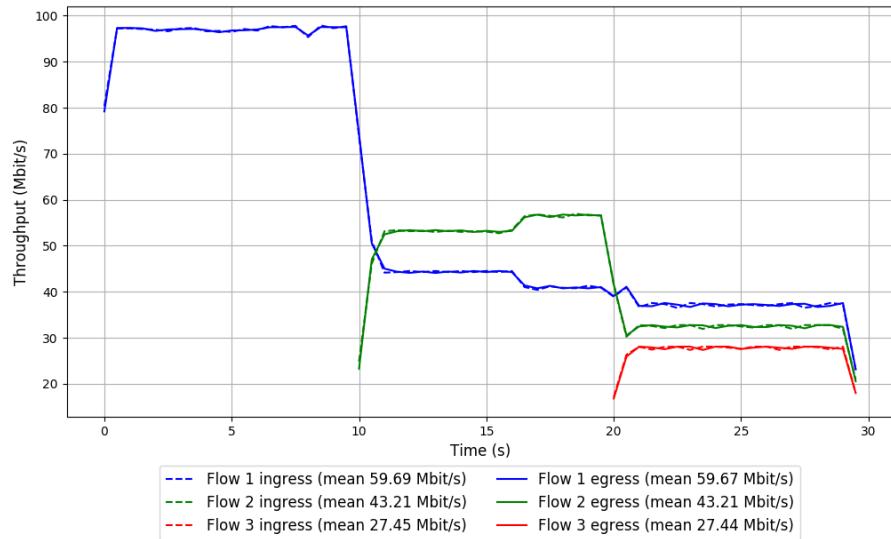


Run 7: Statistics of Indigo

```
Start at: 2018-01-10 01:25:53
End at: 2018-01-10 01:26:23
Local clock offset: -0.281 ms
Remote clock offset: 0.455 ms

# Below is generated by plot.py at 2018-01-10 05:51:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 11.230 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 59.67 Mbit/s
95th percentile per-packet one-way delay: 11.405 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 11.197 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 27.44 Mbit/s
95th percentile per-packet one-way delay: 11.057 ms
Loss rate: 0.13%
```

Run 7: Report of Indigo — Data Link

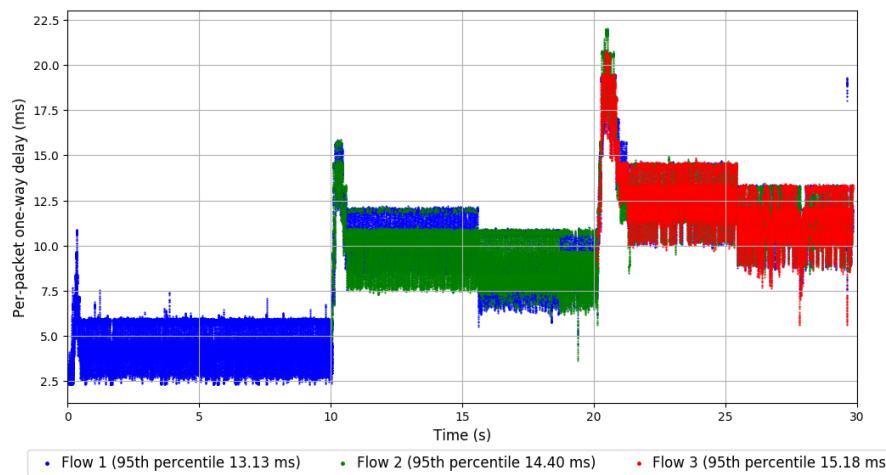
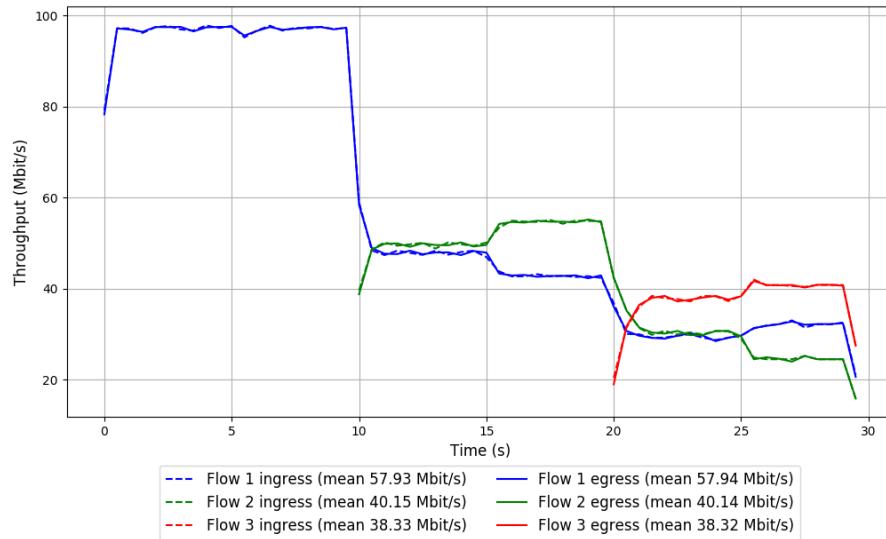


Run 8: Statistics of Indigo

```
Start at: 2018-01-10 01:42:51
End at: 2018-01-10 01:43:21
Local clock offset: -0.252 ms
Remote clock offset: 0.556 ms

# Below is generated by plot.py at 2018-01-10 05:51:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 14.074 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 57.94 Mbit/s
95th percentile per-packet one-way delay: 13.135 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.14 Mbit/s
95th percentile per-packet one-way delay: 14.400 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 38.32 Mbit/s
95th percentile per-packet one-way delay: 15.179 ms
Loss rate: 0.16%
```

Run 8: Report of Indigo — Data Link

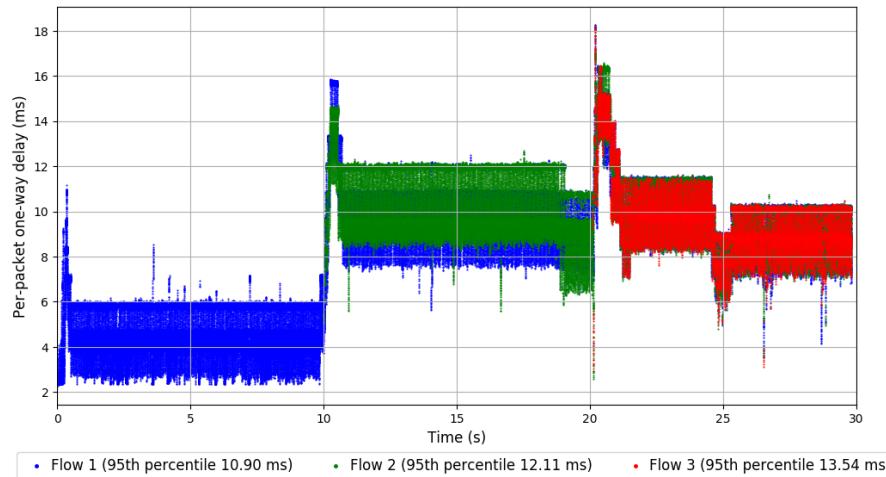
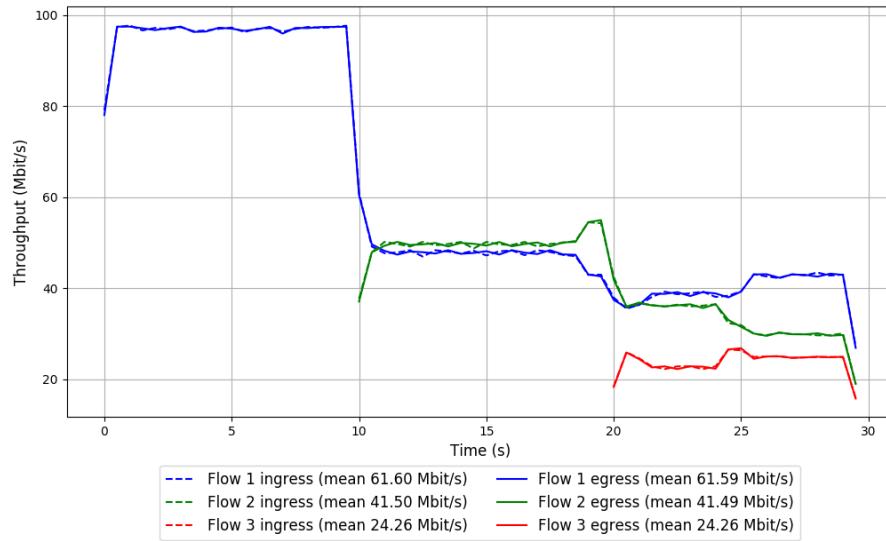


Run 9: Statistics of Indigo

```
Start at: 2018-01-10 01:59:50
End at: 2018-01-10 02:00:20
Local clock offset: -0.173 ms
Remote clock offset: 0.655 ms

# Below is generated by plot.py at 2018-01-10 05:51:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 11.952 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 61.59 Mbit/s
95th percentile per-packet one-way delay: 10.898 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 41.49 Mbit/s
95th percentile per-packet one-way delay: 12.109 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 13.540 ms
Loss rate: 0.13%
```

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

```
Start at: 2018-01-10 02:16:48
End at: 2018-01-10 02:17:18
Local clock offset: -0.114 ms
Remote clock offset: 0.697 ms

# Below is generated by plot.py at 2018-01-10 05:51:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 11.367 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 69.15 Mbit/s
95th percentile per-packet one-way delay: 10.272 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 11.413 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 17.449 ms
Loss rate: 0.11%
```

Run 10: Report of Indigo — Data Link

