

Pantheon Report

Generated at 2018-01-02 14:01:14 (UTC).

Data path: AWS India 1 Ethernet (*local*) → India Ethernet (*remote*).

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

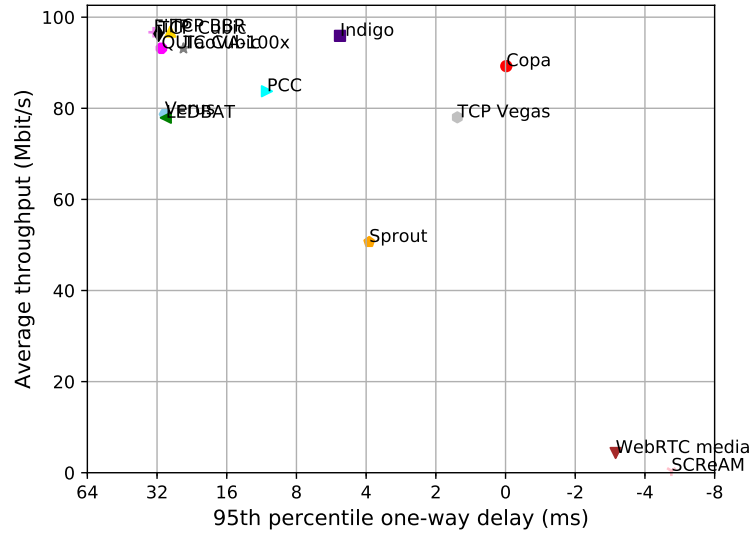
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

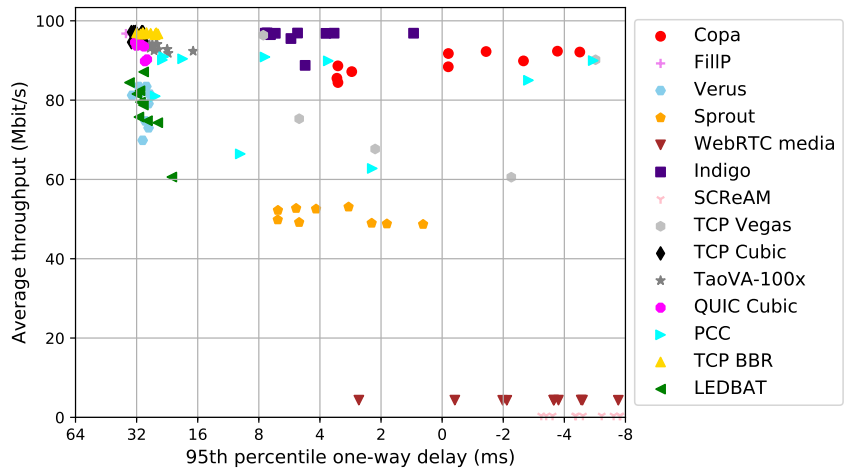
Git summary:

```
branch: master @ 904a5750834816b1e46a2c86405d707788d27c16
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ dcaef6b00654e660f73f7ed679d2eab61ce08639
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 @ f1a14bffe749737437f61b1eaeab30b267cde681
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 AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



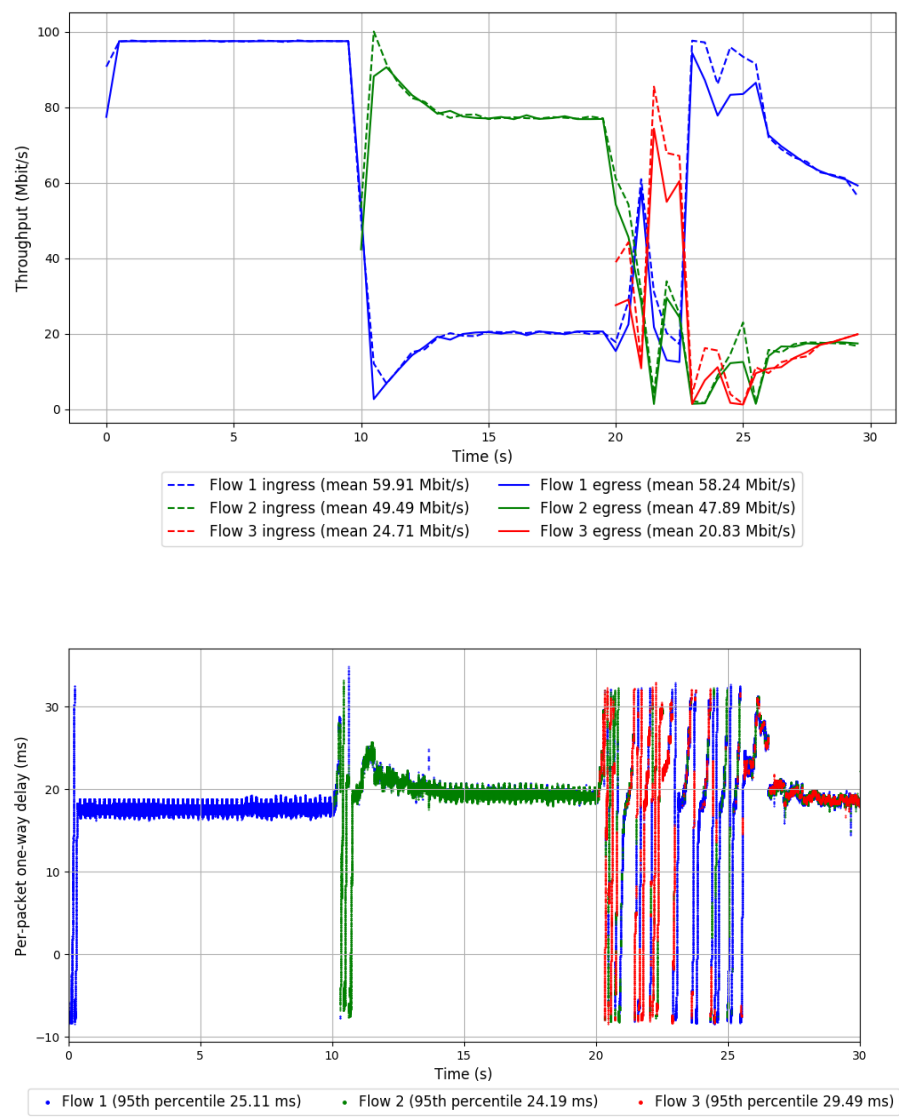
| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|--------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 10 | 52.71 | 50.45 | 32.28 | 26.39 | 28.01 | 30.67 | 3.70 | 5.79 | 14.24 |
| TCP Cubic | 10 | 67.14 | 31.44 | 25.34 | 31.52 | 31.45 | 31.24 | 0.93 | 0.77 | 0.71 |
| LEDBAT | 10 | 48.37 | 32.12 | 24.73 | 29.03 | 28.86 | 29.38 | 0.34 | 0.57 | 0.80 |
| PCC | 10 | 63.98 | 25.04 | 9.46 | 9.64 | 12.36 | 13.05 | 0.62 | 0.64 | 0.51 |
| QUIC Cubic | 10 | 64.67 | 32.70 | 20.77 | 30.53 | 30.71 | 30.70 | 1.55 | 1.98 | 2.21 |
| SCReAM | 10 | 0.21 | 0.21 | 0.22 | -5.23 | -5.15 | -5.03 | 0.00 | 0.00 | 0.00 |
| WebRTC media | 10 | 2.33 | 1.47 | 0.54 | -3.18 | -2.85 | -2.85 | 0.00 | 0.01 | 0.00 |
| Sprout | 9 | 24.42 | 24.42 | 24.17 | 3.72 | 4.00 | 3.37 | 0.00 | 0.00 | 0.00 |
| TaoVA-100x | 10 | 58.54 | 39.26 | 33.15 | 21.54 | 25.75 | 28.39 | 3.62 | 7.72 | 17.28 |
| TCP Vegas | 5 | 25.54 | 57.31 | 42.81 | 1616.58 | 0.43 | -4.38 | 0.08 | 0.00 | 0.00 |
| Verus | 9 | 50.70 | 32.47 | 23.49 | 29.29 | 29.71 | 29.29 | 27.39 | 32.88 | 39.75 |
| Copa | 10 | 56.62 | 37.80 | 29.52 | 0.01 | -0.39 | -0.26 | 0.00 | 0.01 | 0.00 |
| FillP | 10 | 50.49 | 41.67 | 56.25 | 32.96 | 33.17 | 33.44 | 25.52 | 30.73 | 33.80 |
| Indigo | 10 | 58.85 | 36.19 | 39.75 | 4.06 | 5.87 | 9.09 | 0.00 | 0.00 | 0.00 |

Run 1: Statistics of TCP BBR

Start at: 2018-01-02 10:33:06
End at: 2018-01-02 10:33:36
Local clock offset: 2.387 ms
Remote clock offset: -15.371 ms

Below is generated by plot.py at 2018-01-02 13:40:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 25.615 ms
Loss rate: 3.92%
-- Flow 1:
Average throughput: 58.24 Mbit/s
95th percentile per-packet one-way delay: 25.114 ms
Loss rate: 2.70%
-- Flow 2:
Average throughput: 47.89 Mbit/s
95th percentile per-packet one-way delay: 24.194 ms
Loss rate: 3.20%
-- Flow 3:
Average throughput: 20.83 Mbit/s
95th percentile per-packet one-way delay: 29.491 ms
Loss rate: 15.70%

Run 1: Report of TCP BBR — Data Link

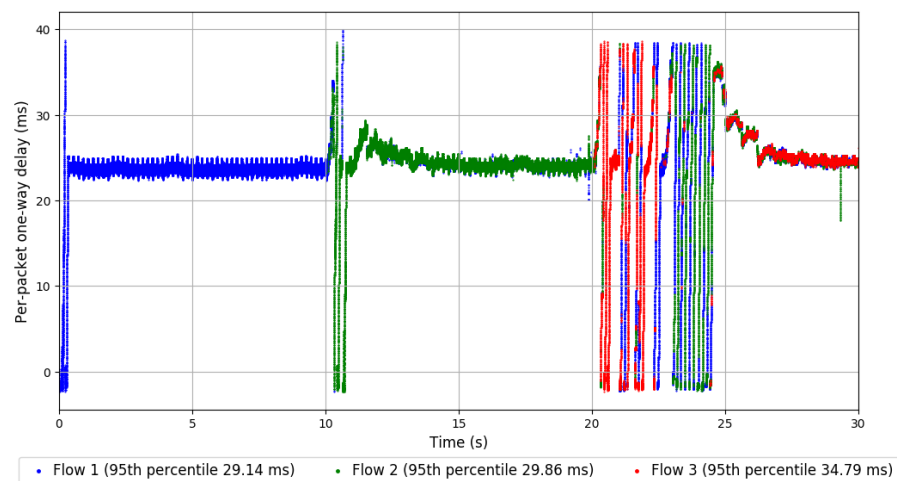
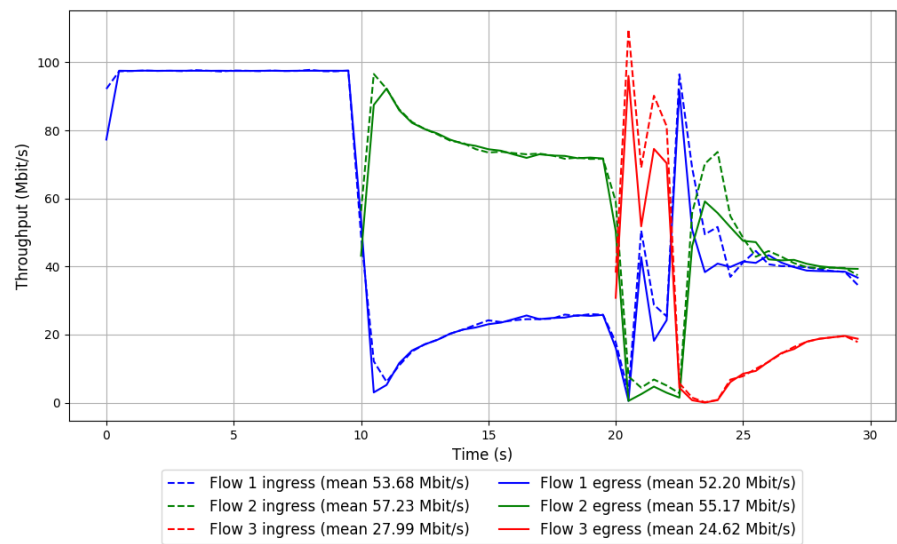


Run 2: Statistics of TCP BBR

Start at: 2018-01-02 10:50:47
End at: 2018-01-02 10:51:17
Local clock offset: -2.363 ms
Remote clock offset: -14.41 ms

Below is generated by plot.py at 2018-01-02 13:40:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 29.832 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 52.20 Mbit/s
95th percentile per-packet one-way delay: 29.142 ms
Loss rate: 2.67%
-- Flow 2:
Average throughput: 55.17 Mbit/s
95th percentile per-packet one-way delay: 29.860 ms
Loss rate: 3.59%
-- Flow 3:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 34.786 ms
Loss rate: 12.04%

Run 2: Report of TCP BBR — Data Link

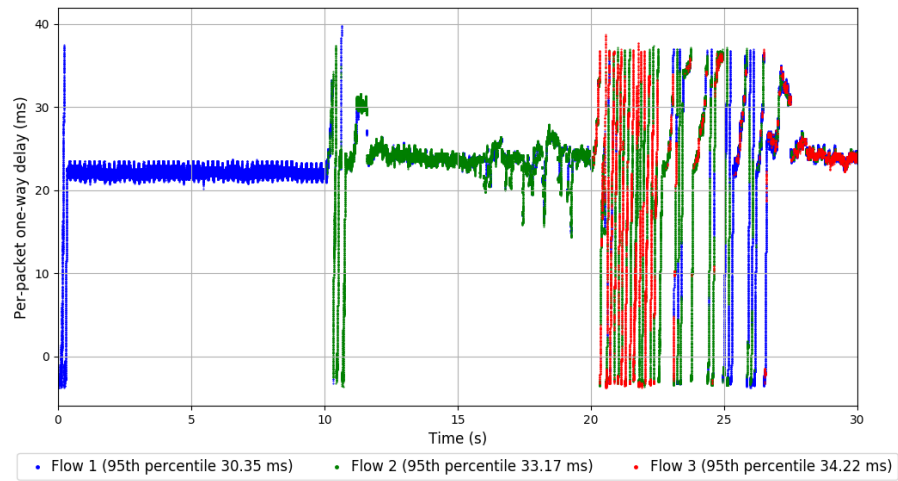
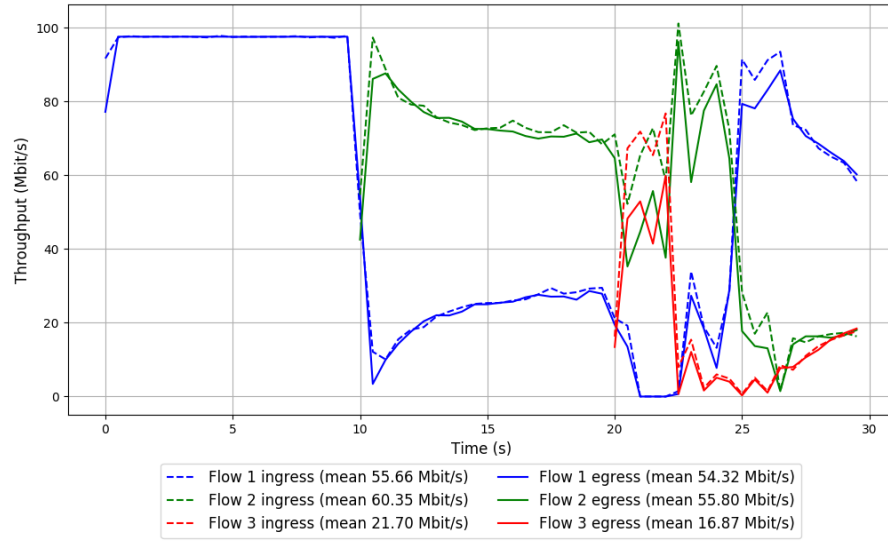


Run 3: Statistics of TCP BBR

Start at: 2018-01-02 11:08:42
End at: 2018-01-02 11:09:12
Local clock offset: -2.142 ms
Remote clock offset: -15.405 ms

Below is generated by plot.py at 2018-01-02 13:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 32.003 ms
Loss rate: 5.75%
-- Flow 1:
Average throughput: 54.32 Mbit/s
95th percentile per-packet one-way delay: 30.347 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 33.167 ms
Loss rate: 7.54%
-- Flow 3:
Average throughput: 16.87 Mbit/s
95th percentile per-packet one-way delay: 34.224 ms
Loss rate: 22.25%

Run 3: Report of TCP BBR — Data Link

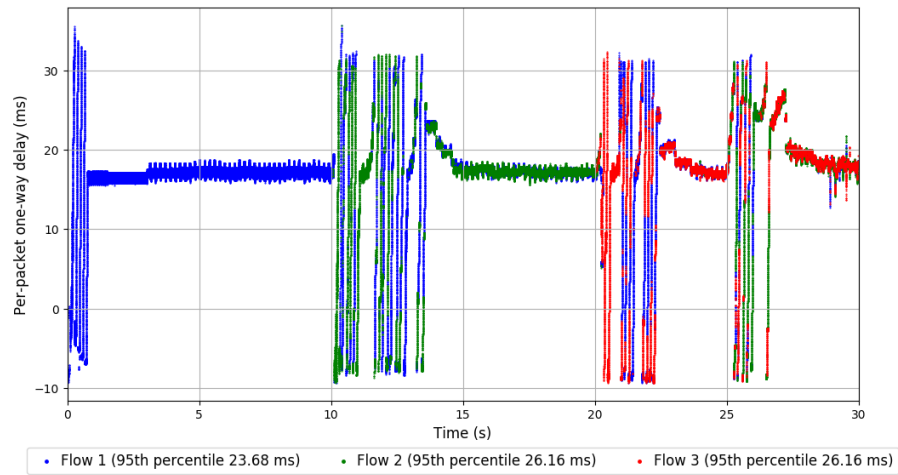
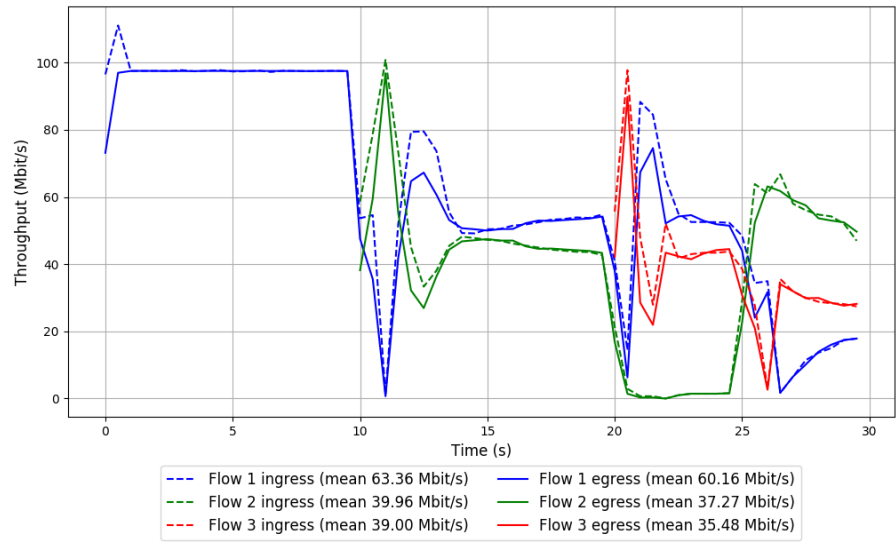


Run 4: Statistics of TCP BBR

Start at: 2018-01-02 11:26:25
End at: 2018-01-02 11:26:55
Local clock offset: 1.874 ms
Remote clock offset: -16.908 ms

Below is generated by plot.py at 2018-01-02 13:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 25.129 ms
Loss rate: 5.93%
-- Flow 1:
Average throughput: 60.16 Mbit/s
95th percentile per-packet one-way delay: 23.675 ms
Loss rate: 4.96%
-- Flow 2:
Average throughput: 37.27 Mbit/s
95th percentile per-packet one-way delay: 26.159 ms
Loss rate: 6.74%
-- Flow 3:
Average throughput: 35.48 Mbit/s
95th percentile per-packet one-way delay: 26.160 ms
Loss rate: 9.01%

Run 4: Report of TCP BBR — Data Link

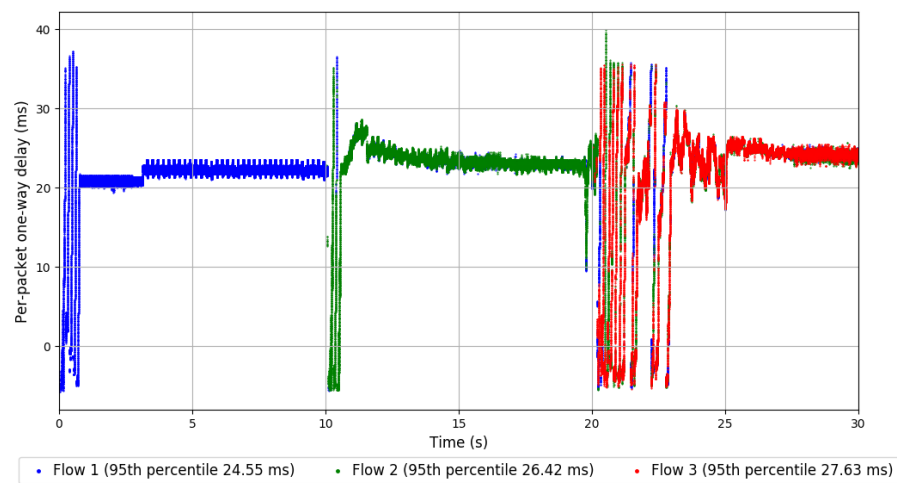
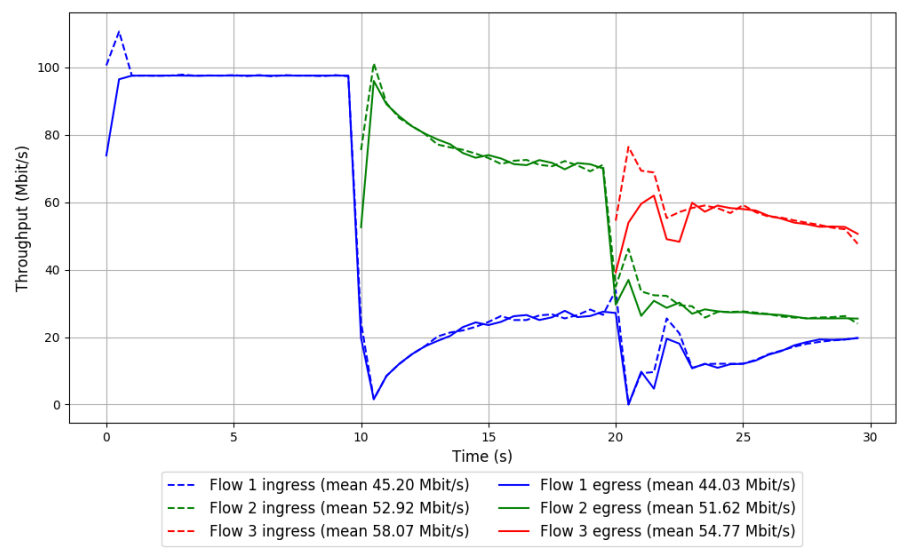


Run 5: Statistics of TCP BBR

Start at: 2018-01-02 11:44:01
End at: 2018-01-02 11:44:31
Local clock offset: -3.029 ms
Remote clock offset: -17.253 ms

Below is generated by plot.py at 2018-01-02 13:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 25.905 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 44.03 Mbit/s
95th percentile per-packet one-way delay: 24.548 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 51.62 Mbit/s
95th percentile per-packet one-way delay: 26.416 ms
Loss rate: 2.45%
-- Flow 3:
Average throughput: 54.77 Mbit/s
95th percentile per-packet one-way delay: 27.634 ms
Loss rate: 5.71%

Run 5: Report of TCP BBR — Data Link

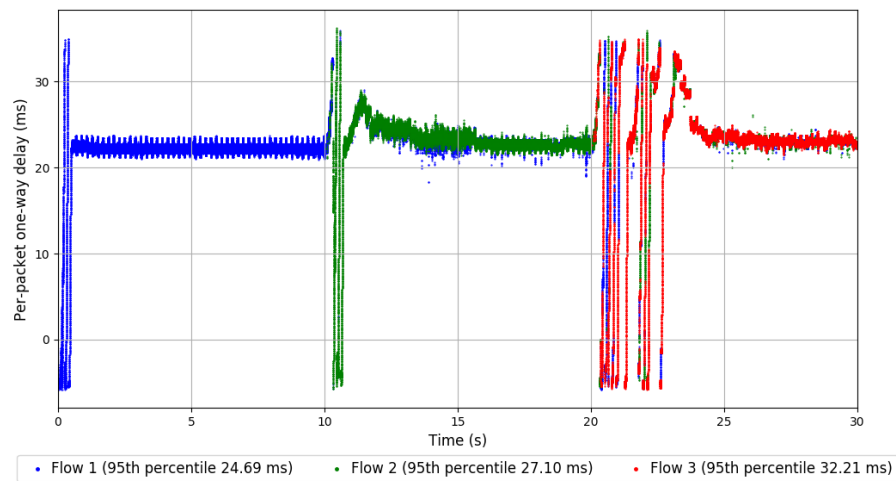
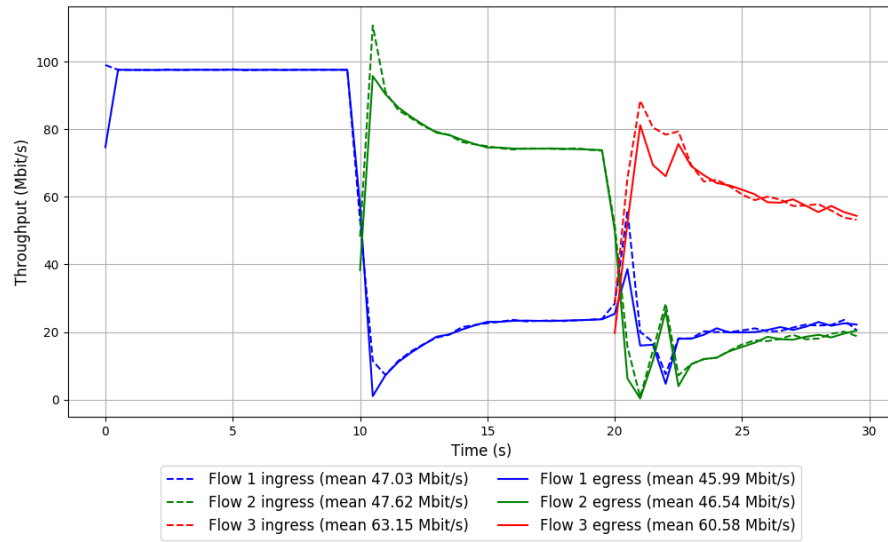


Run 6: Statistics of TCP BBR

Start at: 2018-01-02 12:01:40
End at: 2018-01-02 12:02:10
Local clock offset: -1.995 ms
Remote clock offset: -16.709 ms

Below is generated by plot.py at 2018-01-02 13:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 28.612 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 45.99 Mbit/s
95th percentile per-packet one-way delay: 24.686 ms
Loss rate: 2.12%
-- Flow 2:
Average throughput: 46.54 Mbit/s
95th percentile per-packet one-way delay: 27.103 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 60.58 Mbit/s
95th percentile per-packet one-way delay: 32.211 ms
Loss rate: 4.06%

Run 6: Report of TCP BBR — Data Link

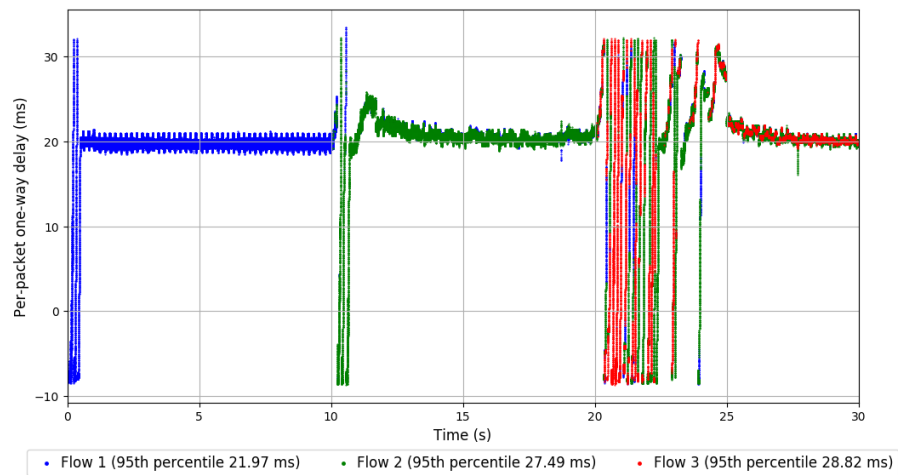
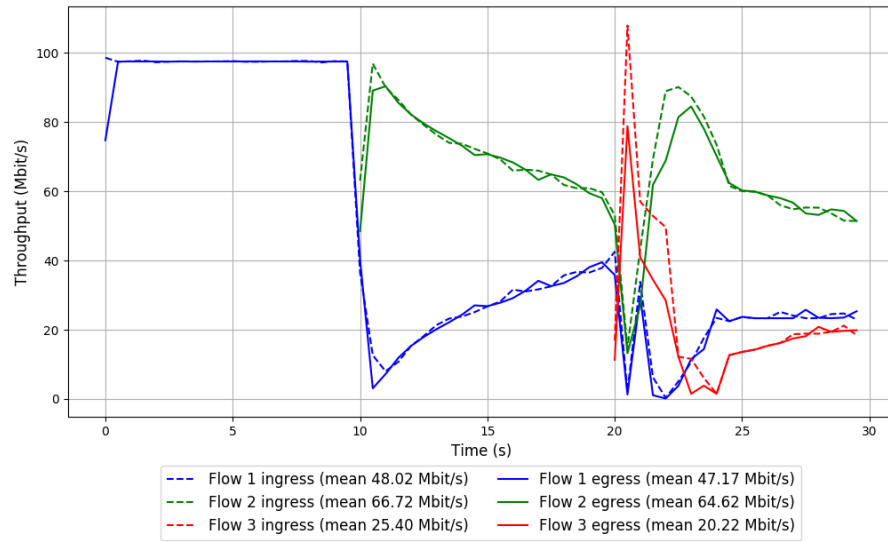


Run 7: Statistics of TCP BBR

Start at: 2018-01-02 12:19:26
End at: 2018-01-02 12:19:56
Local clock offset: -0.985 ms
Remote clock offset: -18.752 ms

Below is generated by plot.py at 2018-01-02 13:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 25.812 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 47.17 Mbit/s
95th percentile per-packet one-way delay: 21.966 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 64.62 Mbit/s
95th percentile per-packet one-way delay: 27.491 ms
Loss rate: 3.15%
-- Flow 3:
Average throughput: 20.22 Mbit/s
95th percentile per-packet one-way delay: 28.824 ms
Loss rate: 20.41%

Run 7: Report of TCP BBR — Data Link

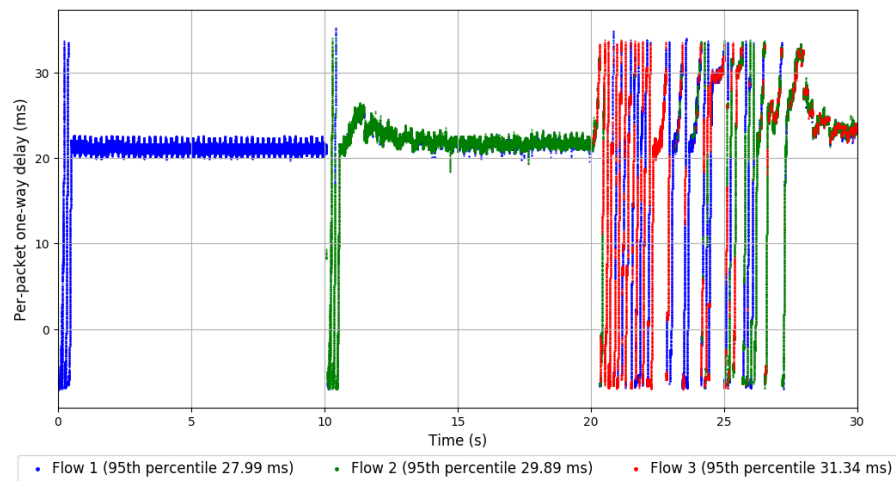
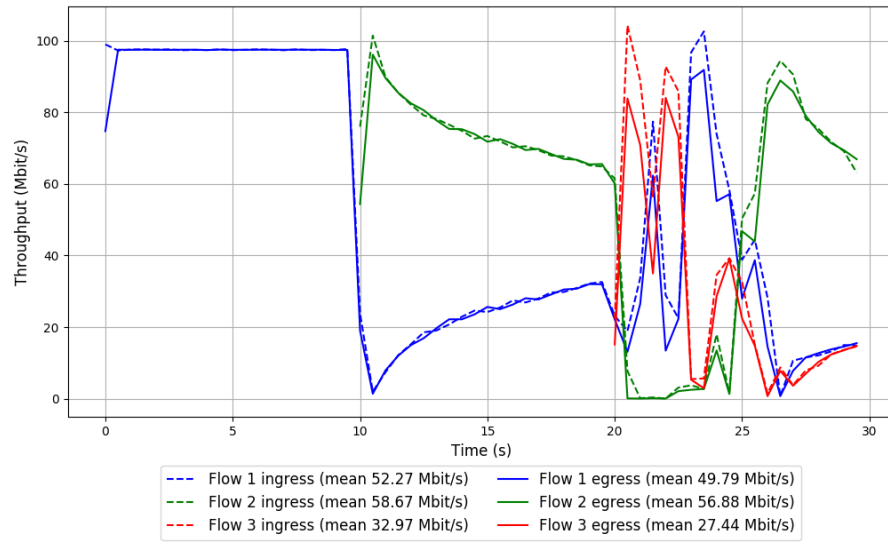


Run 8: Statistics of TCP BBR

Start at: 2018-01-02 12:37:00
End at: 2018-01-02 12:37:30
Local clock offset: -1.605 ms
Remote clock offset: -16.43 ms

Below is generated by plot.py at 2018-01-02 13:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 29.626 ms
Loss rate: 5.33%
-- Flow 1:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 27.989 ms
Loss rate: 4.65%
-- Flow 2:
Average throughput: 56.88 Mbit/s
95th percentile per-packet one-way delay: 29.895 ms
Loss rate: 3.03%
-- Flow 3:
Average throughput: 27.44 Mbit/s
95th percentile per-packet one-way delay: 31.335 ms
Loss rate: 16.78%

Run 8: Report of TCP BBR — Data Link

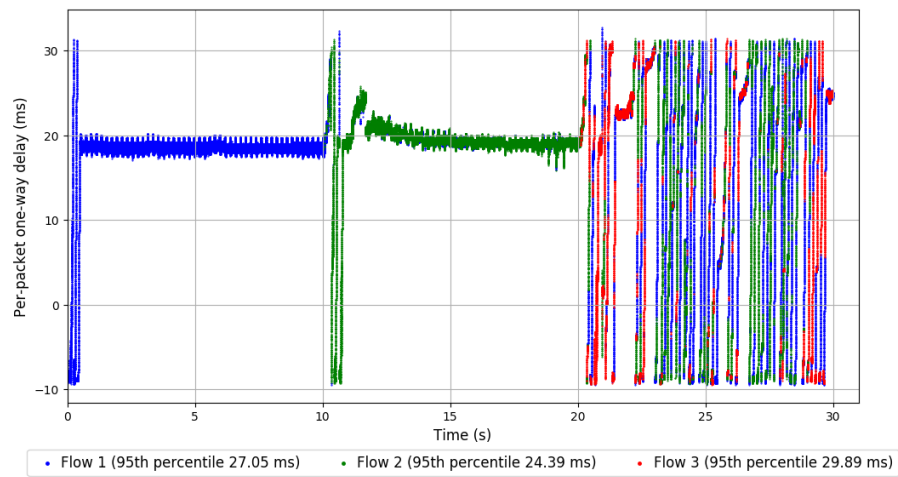
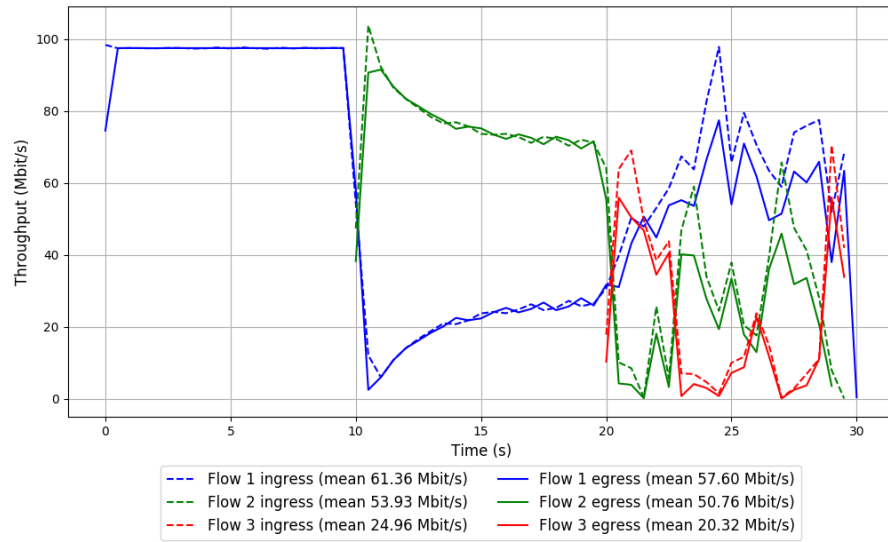


Run 9: Statistics of TCP BBR

Start at: 2018-01-02 12:54:44
End at: 2018-01-02 12:55:14
Local clock offset: 0.909 ms
Remote clock offset: -14.632 ms

Below is generated by plot.py at 2018-01-02 13:41:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 27.295 ms
Loss rate: 7.51%
-- Flow 1:
Average throughput: 57.60 Mbit/s
95th percentile per-packet one-way delay: 27.050 ms
Loss rate: 6.03%
-- Flow 2:
Average throughput: 50.76 Mbit/s
95th percentile per-packet one-way delay: 24.393 ms
Loss rate: 7.52%
-- Flow 3:
Average throughput: 20.32 Mbit/s
95th percentile per-packet one-way delay: 29.888 ms
Loss rate: 18.53%

Run 9: Report of TCP BBR — Data Link

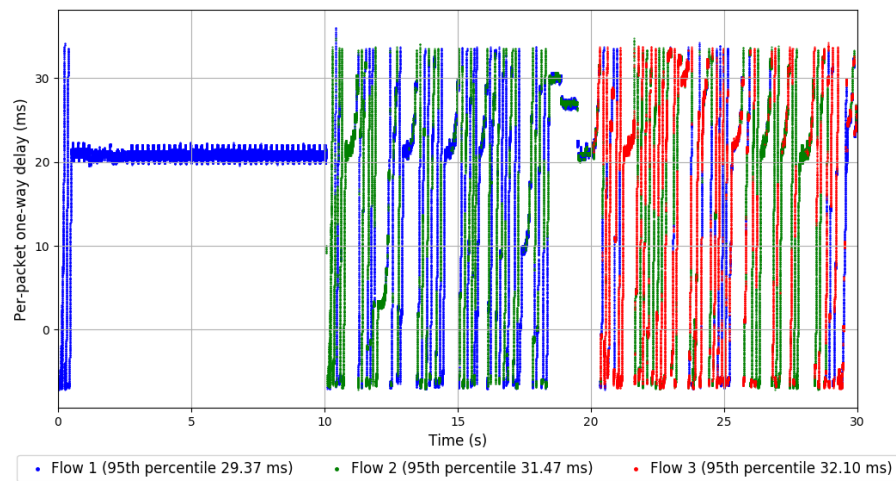
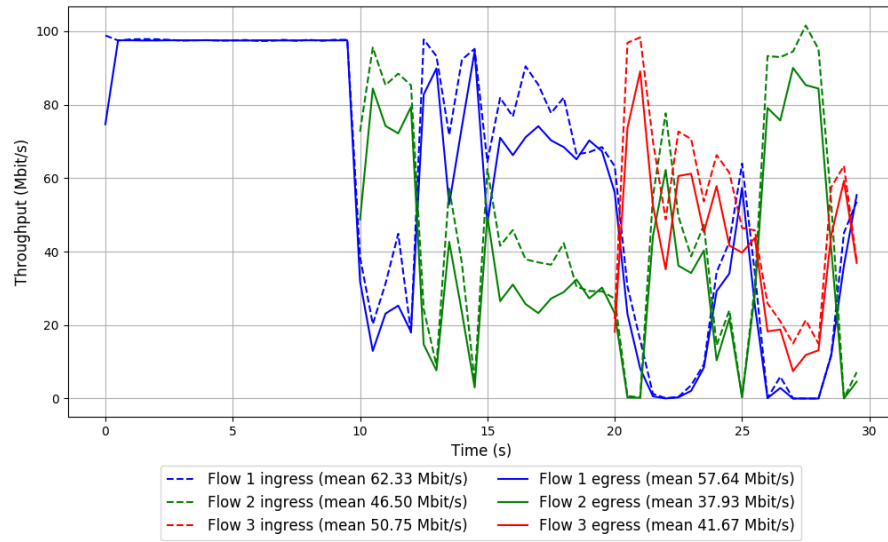


Run 10: Statistics of TCP BBR

Start at: 2018-01-02 13:12:30
End at: 2018-01-02 13:13:00
Local clock offset: -1.016 ms
Remote clock offset: -13.224 ms

Below is generated by plot.py at 2018-01-02 13:41:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 30.578 ms
Loss rate: 12.11%
-- Flow 1:
Average throughput: 57.64 Mbit/s
95th percentile per-packet one-way delay: 29.369 ms
Loss rate: 7.42%
-- Flow 2:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 31.469 ms
Loss rate: 18.41%
-- Flow 3:
Average throughput: 41.67 Mbit/s
95th percentile per-packet one-way delay: 32.104 ms
Loss rate: 17.87%

Run 10: Report of TCP BBR — Data Link

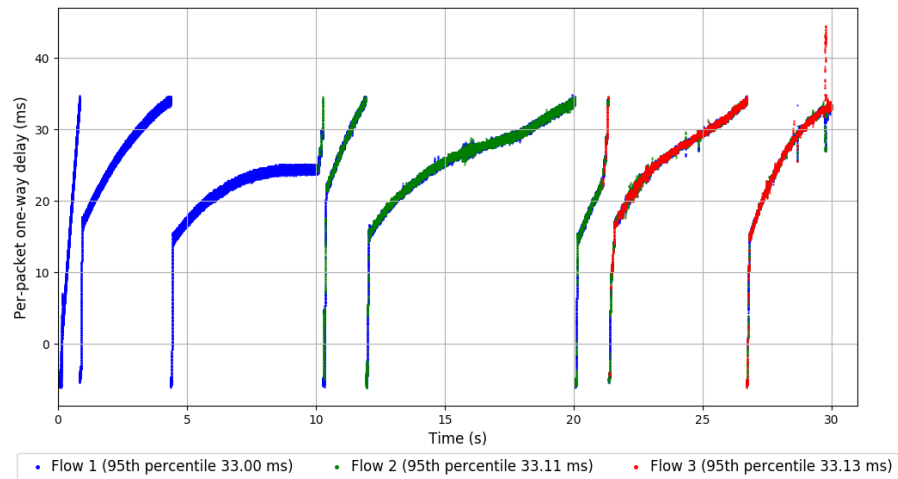
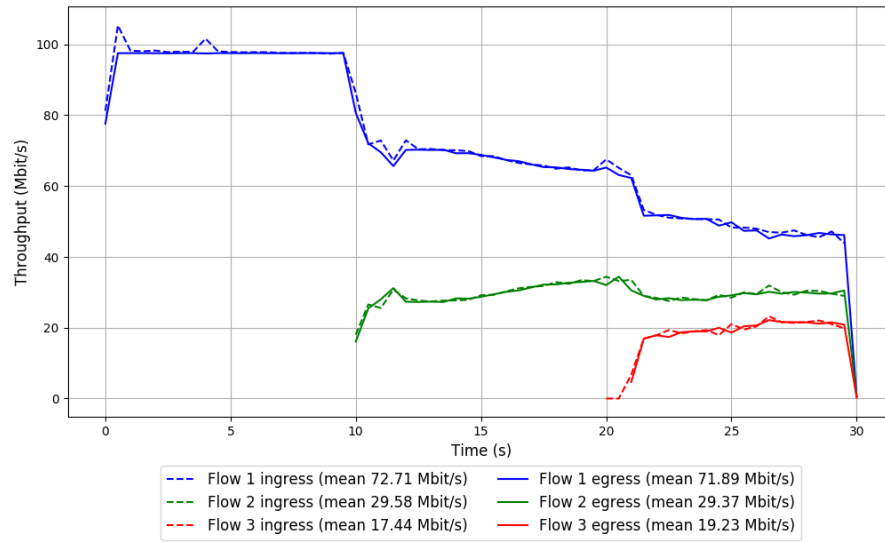


Run 1: Statistics of TCP Cubic

Start at: 2018-01-02 10:26:02
End at: 2018-01-02 10:26:32
Local clock offset: 0.594 ms
Remote clock offset: -14.935 ms

Below is generated by plot.py at 2018-01-02 13:41:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 33.078 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 71.89 Mbit/s
95th percentile per-packet one-way delay: 33.000 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 33.110 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 19.23 Mbit/s
95th percentile per-packet one-way delay: 33.127 ms
Loss rate: 0.95%

Run 1: Report of TCP Cubic — Data Link

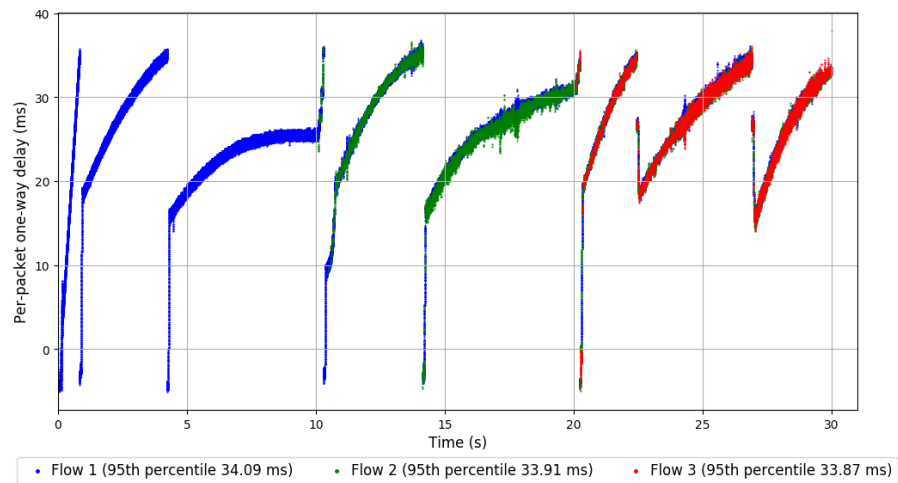
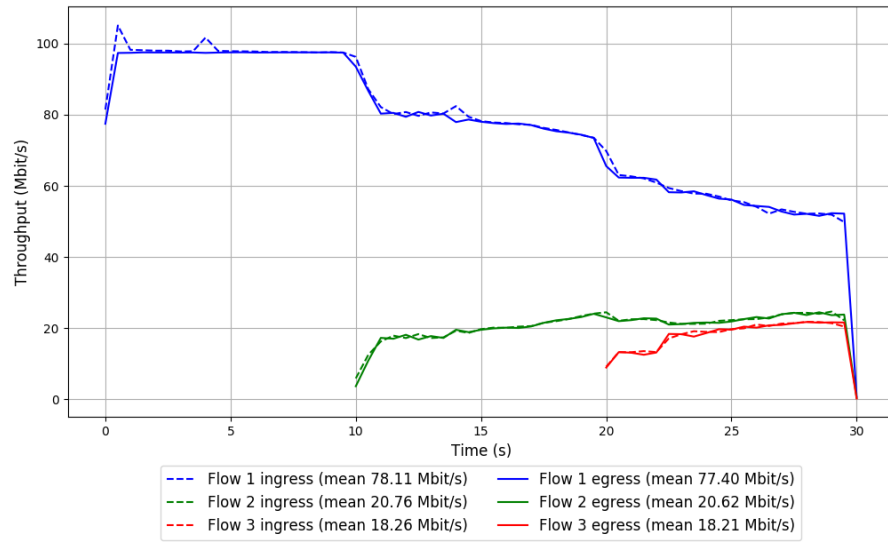


Run 2: Statistics of TCP Cubic

Start at: 2018-01-02 10:43:46
End at: 2018-01-02 10:44:16
Local clock offset: -1.739 ms
Remote clock offset: -16.004 ms

Below is generated by plot.py at 2018-01-02 13:41:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 33.930 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 77.40 Mbit/s
95th percentile per-packet one-way delay: 34.086 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 20.62 Mbit/s
95th percentile per-packet one-way delay: 33.913 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 18.21 Mbit/s
95th percentile per-packet one-way delay: 33.867 ms
Loss rate: 0.20%

Run 2: Report of TCP Cubic — Data Link

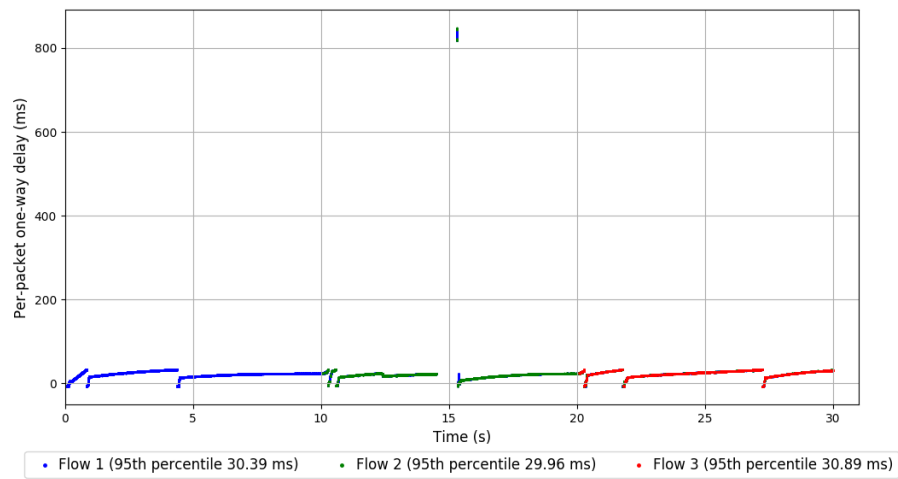
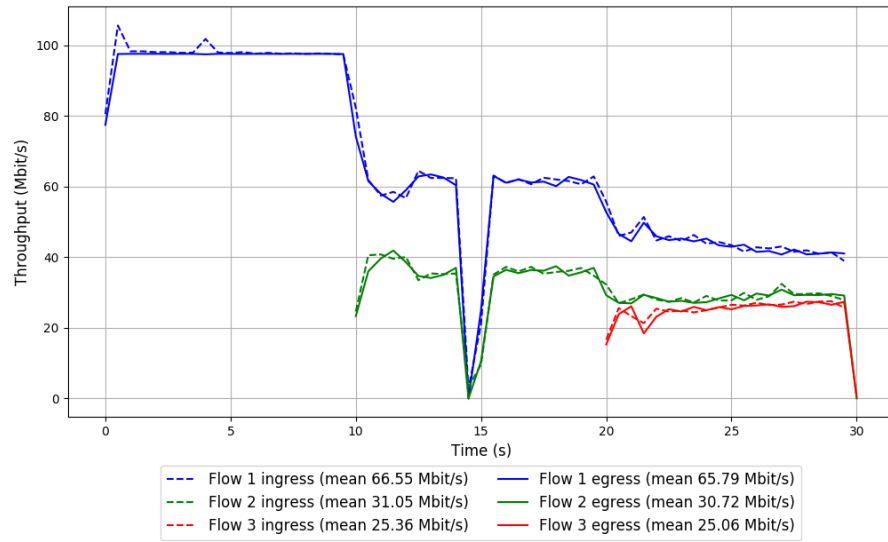


Run 3: Statistics of TCP Cubic

Start at: 2018-01-02 11:01:36
End at: 2018-01-02 11:02:06
Local clock offset: 2.461 ms
Remote clock offset: -15.505 ms

Below is generated by plot.py at 2018-01-02 13:41:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.52 Mbit/s
95th percentile per-packet one-way delay: 30.383 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 65.79 Mbit/s
95th percentile per-packet one-way delay: 30.390 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 29.956 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 25.06 Mbit/s
95th percentile per-packet one-way delay: 30.888 ms
Loss rate: 1.14%

Run 3: Report of TCP Cubic — Data Link

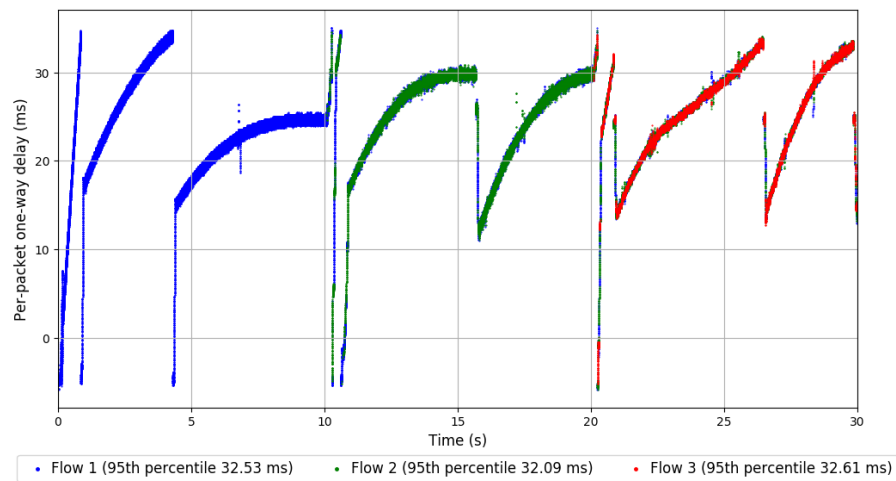
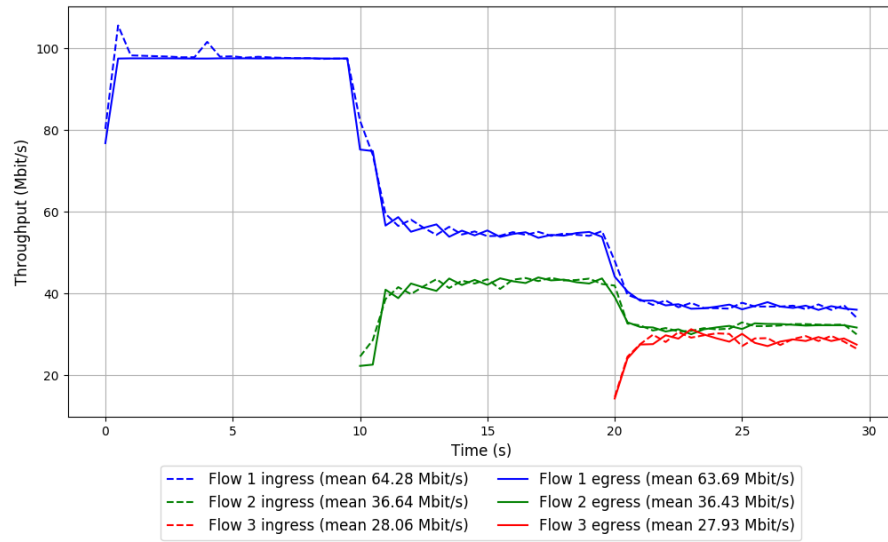


Run 4: Statistics of TCP Cubic

Start at: 2018-01-02 11:19:22
End at: 2018-01-02 11:19:52
Local clock offset: -1.263 ms
Remote clock offset: -16.825 ms

Below is generated by plot.py at 2018-01-02 13:41:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 32.363 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 63.69 Mbit/s
95th percentile per-packet one-way delay: 32.530 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 32.092 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 27.93 Mbit/s
95th percentile per-packet one-way delay: 32.611 ms
Loss rate: 0.54%

Run 4: Report of TCP Cubic — Data Link

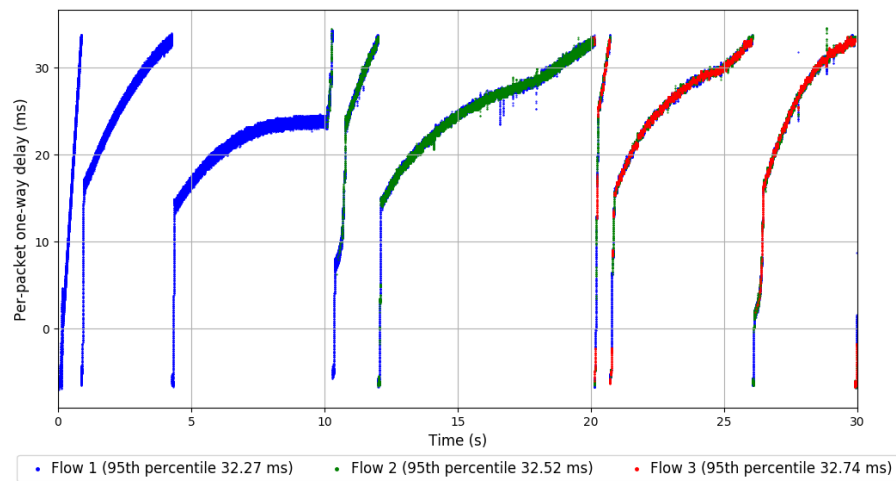
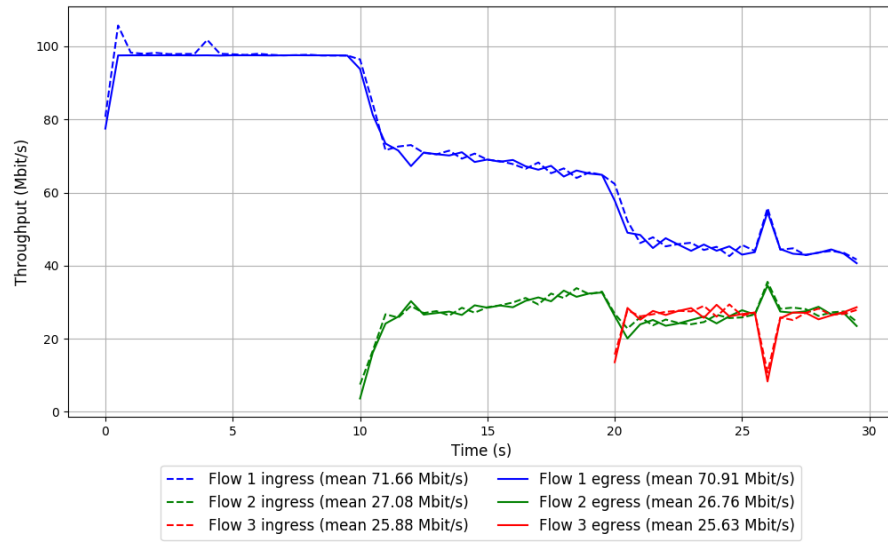


Run 5: Statistics of TCP Cubic

Start at: 2018-01-02 11:37:00
End at: 2018-01-02 11:37:30
Local clock offset: 0.879 ms
Remote clock offset: -14.969 ms

Below is generated by plot.py at 2018-01-02 13:41:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 32.475 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 70.91 Mbit/s
95th percentile per-packet one-way delay: 32.272 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 26.76 Mbit/s
95th percentile per-packet one-way delay: 32.516 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 25.63 Mbit/s
95th percentile per-packet one-way delay: 32.744 ms
Loss rate: 1.32%

Run 5: Report of TCP Cubic — Data Link

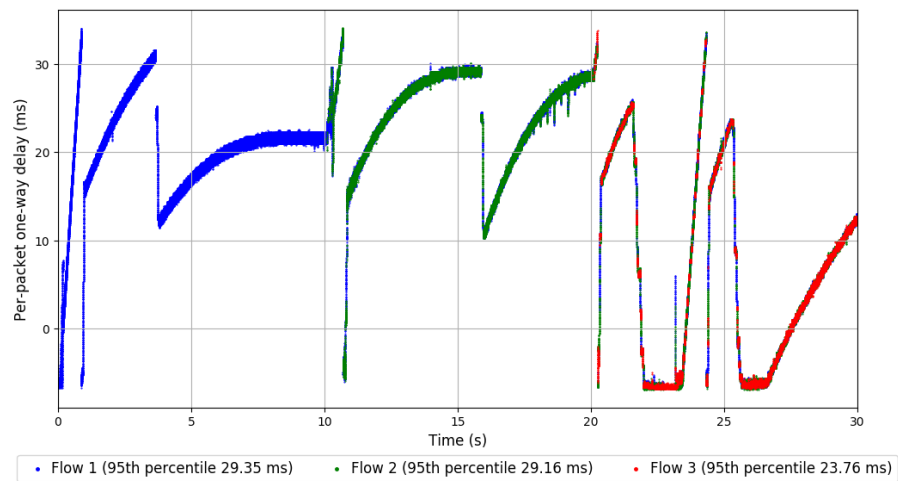
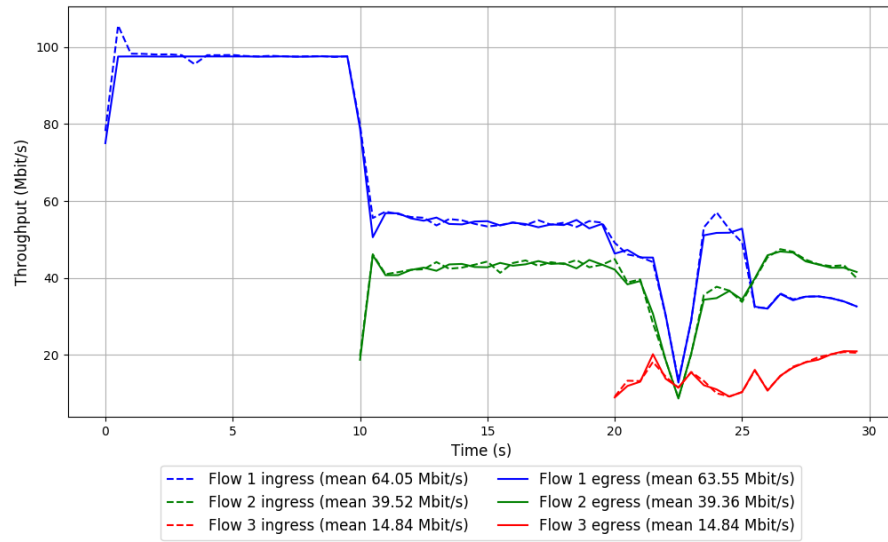


Run 6: Statistics of TCP Cubic

Start at: 2018-01-02 11:54:37
End at: 2018-01-02 11:55:07
Local clock offset: -0.55 ms
Remote clock offset: -15.702 ms

Below is generated by plot.py at 2018-01-02 13:41:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.60 Mbit/s
95th percentile per-packet one-way delay: 29.183 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 63.55 Mbit/s
95th percentile per-packet one-way delay: 29.349 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 29.165 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 14.84 Mbit/s
95th percentile per-packet one-way delay: 23.759 ms
Loss rate: 0.16%

Run 6: Report of TCP Cubic — Data Link

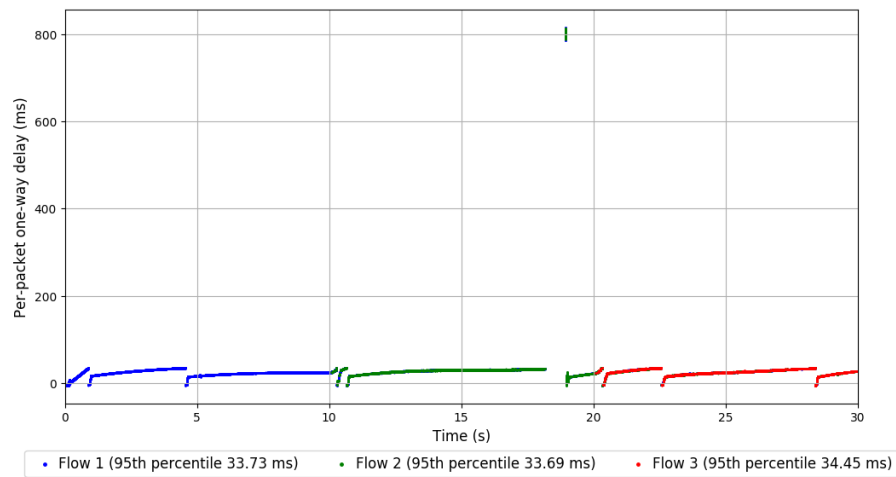
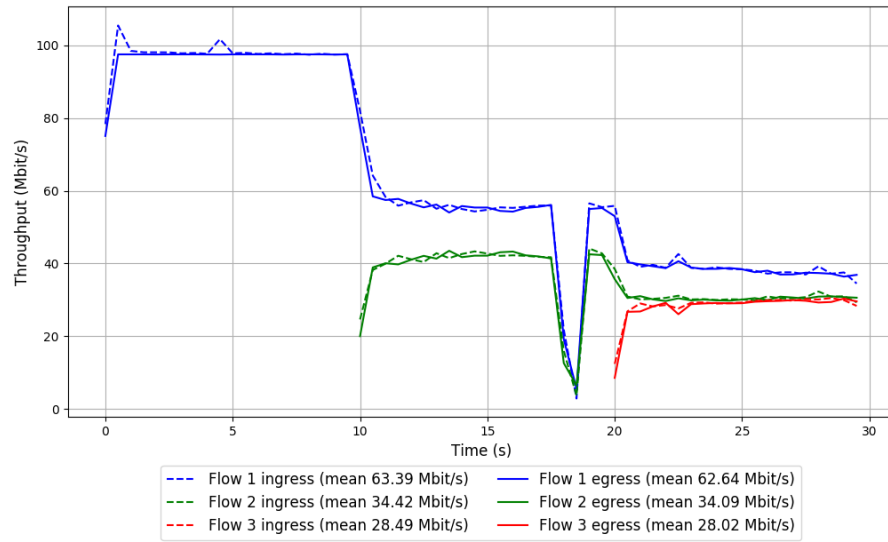


Run 7: Statistics of TCP Cubic

Start at: 2018-01-02 12:12:20
End at: 2018-01-02 12:12:50
Local clock offset: -2.905 ms
Remote clock offset: -17.535 ms

Below is generated by plot.py at 2018-01-02 13:42:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.61 Mbit/s
95th percentile per-packet one-way delay: 33.915 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 62.64 Mbit/s
95th percentile per-packet one-way delay: 33.728 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 33.685 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 28.02 Mbit/s
95th percentile per-packet one-way delay: 34.445 ms
Loss rate: 1.61%

Run 7: Report of TCP Cubic — Data Link

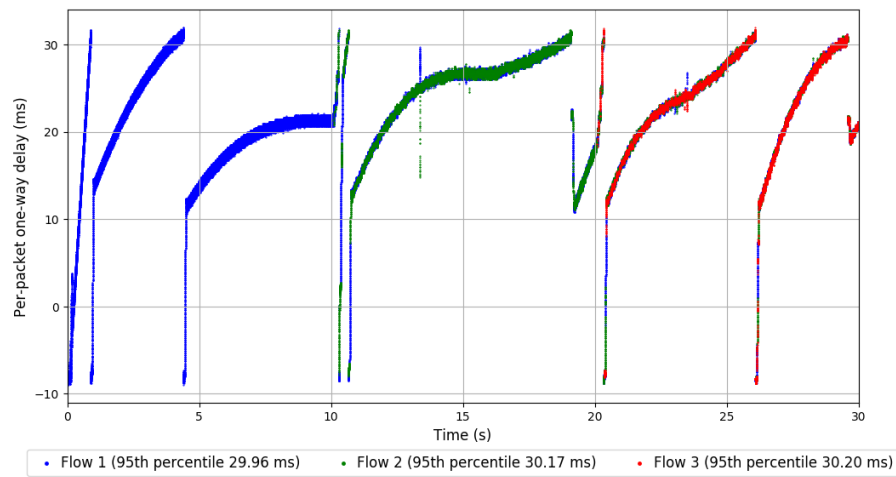
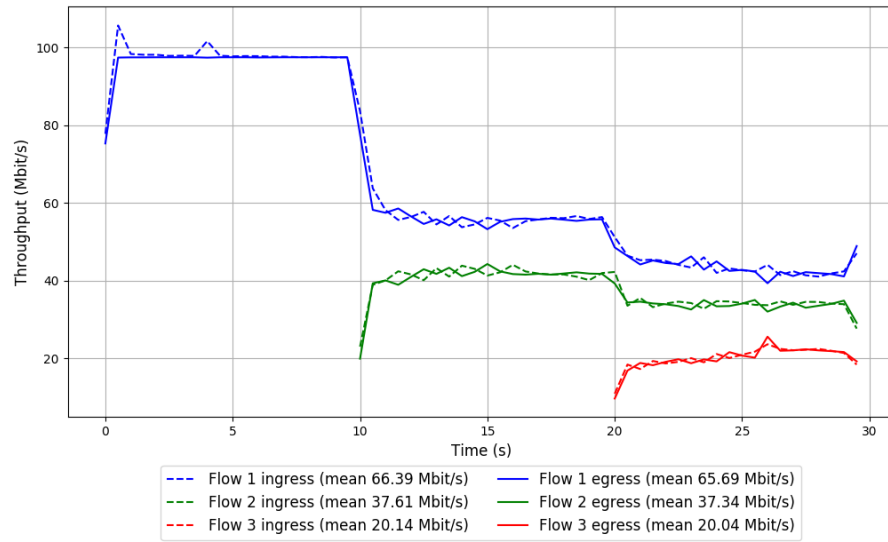


Run 8: Statistics of TCP Cubic

Start at: 2018-01-02 12:30:00
End at: 2018-01-02 12:30:30
Local clock offset: 0.53 ms
Remote clock offset: -16.908 ms

Below is generated by plot.py at 2018-01-02 13:43:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 30.135 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 65.69 Mbit/s
95th percentile per-packet one-way delay: 29.959 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 37.34 Mbit/s
95th percentile per-packet one-way delay: 30.173 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 20.04 Mbit/s
95th percentile per-packet one-way delay: 30.204 ms
Loss rate: 0.46%

Run 8: Report of TCP Cubic — Data Link

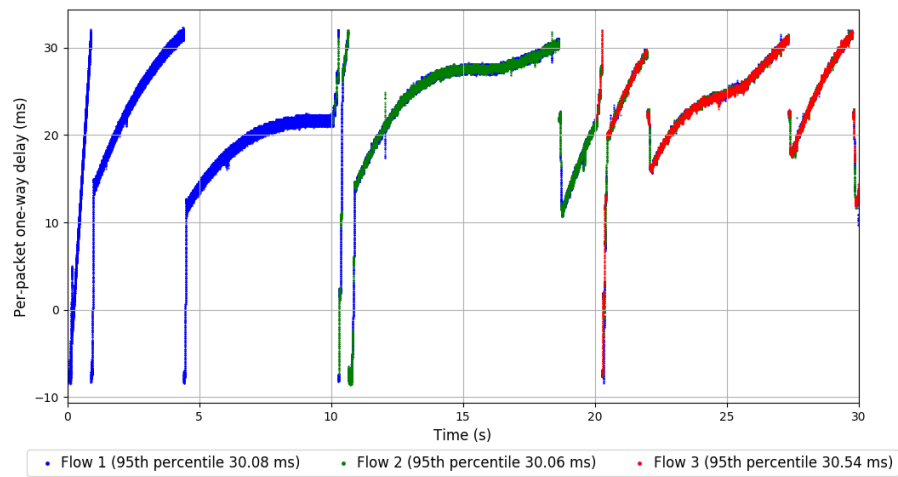
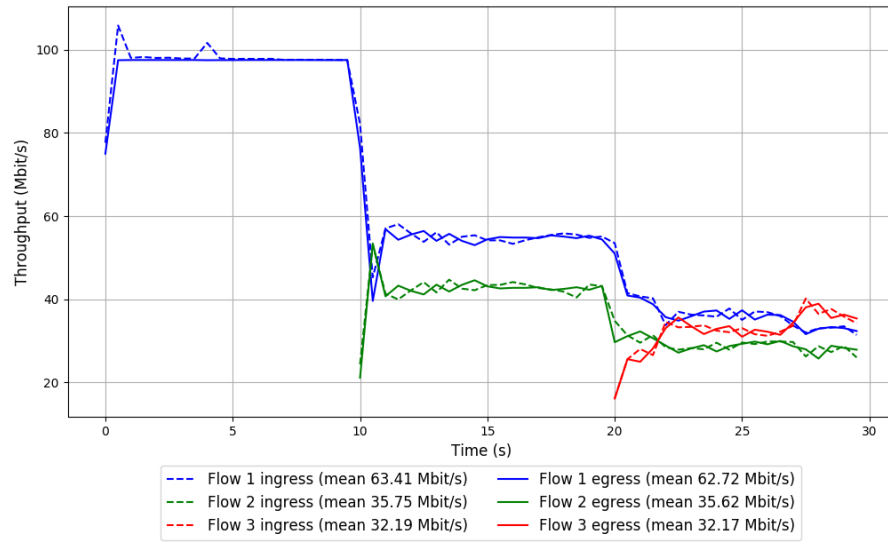


Run 9: Statistics of TCP Cubic

Start at: 2018-01-02 12:47:38
End at: 2018-01-02 12:48:08
Local clock offset: 0.693 ms
Remote clock offset: -14.684 ms

Below is generated by plot.py at 2018-01-02 13:43:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 30.099 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 62.72 Mbit/s
95th percentile per-packet one-way delay: 30.081 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 30.062 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 30.540 ms
Loss rate: 0.15%

Run 9: Report of TCP Cubic — Data Link

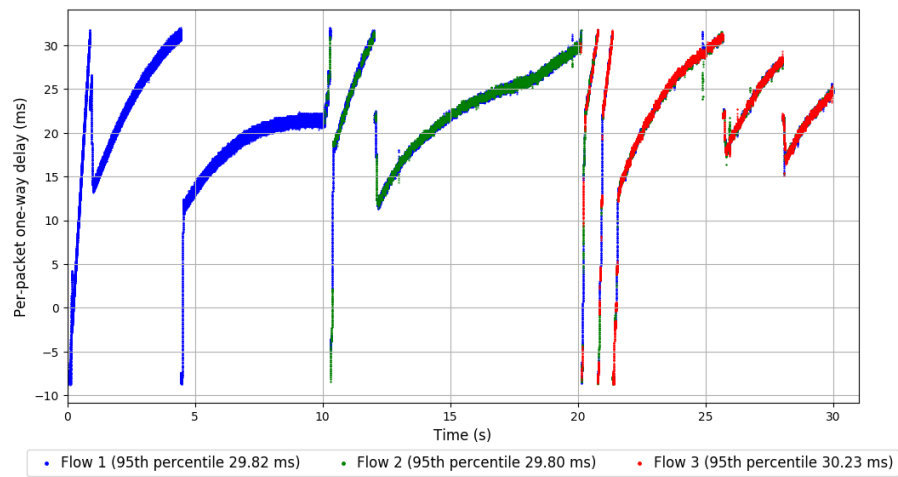
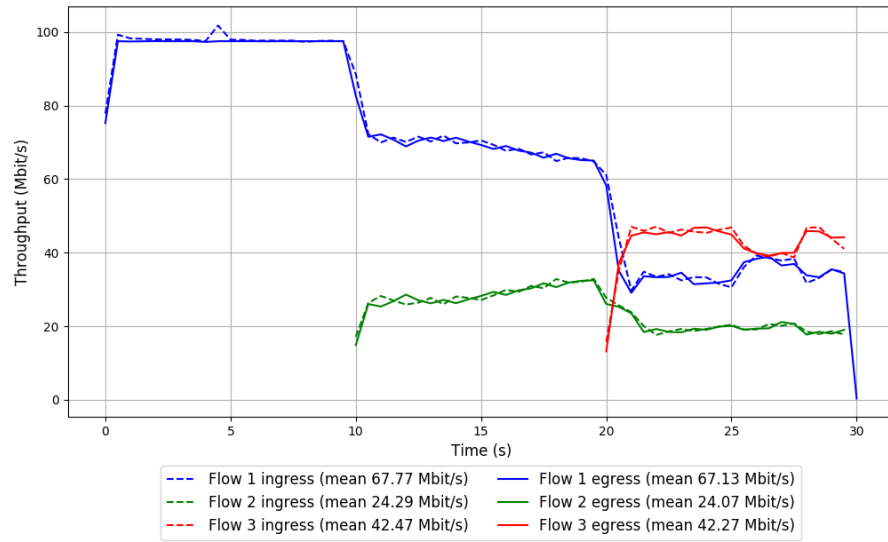


Run 10: Statistics of TCP Cubic

Start at: 2018-01-02 13:05:24
End at: 2018-01-02 13:05:54
Local clock offset: -0.344 ms
Remote clock offset: -14.223 ms

Below is generated by plot.py at 2018-01-02 13:43:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 29.845 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 67.13 Mbit/s
95th percentile per-packet one-way delay: 29.816 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 29.804 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 42.27 Mbit/s
95th percentile per-packet one-way delay: 30.233 ms
Loss rate: 0.52%

Run 10: Report of TCP Cubic — Data Link

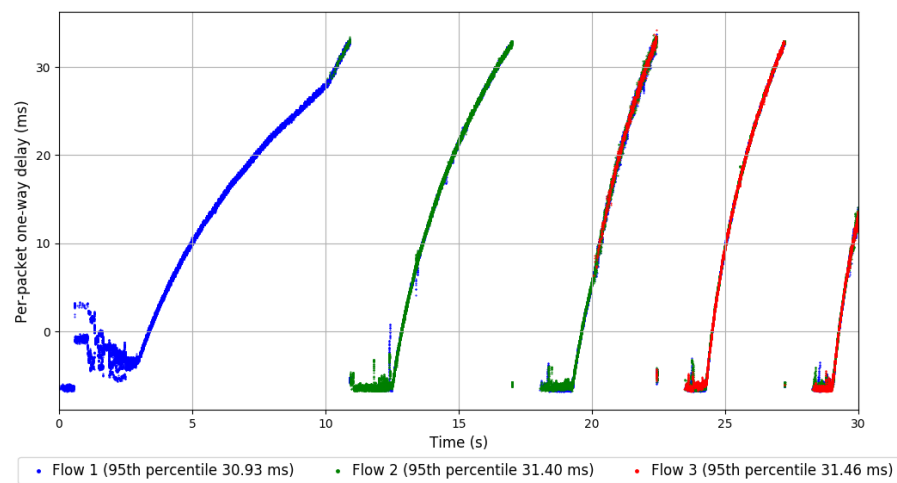
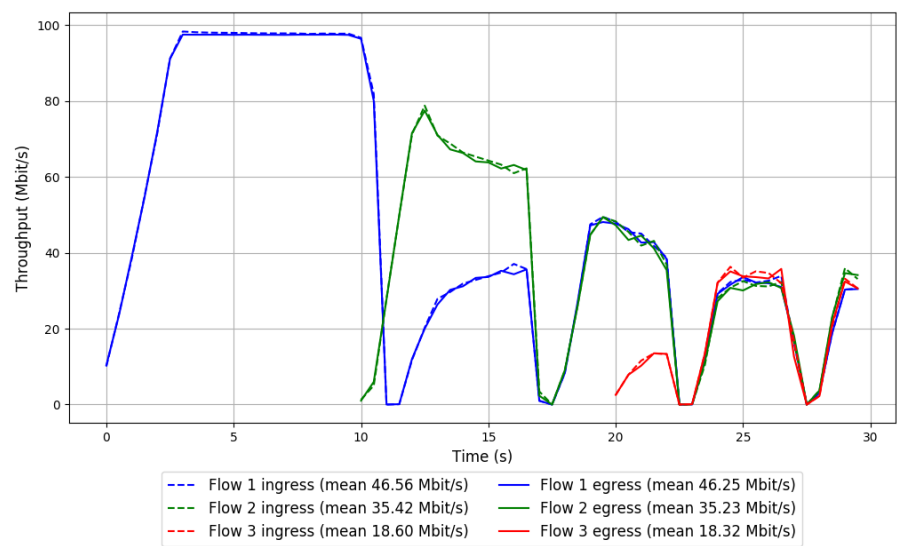


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-02 10:17:58
End at: 2018-01-02 10:18:28
Local clock offset: 0.671 ms
Remote clock offset: -15.674 ms

# Below is generated by plot.py at 2018-01-02 13:43:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.74 Mbit/s
95th percentile per-packet one-way delay: 31.188 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 46.25 Mbit/s
95th percentile per-packet one-way delay: 30.932 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 35.23 Mbit/s
95th percentile per-packet one-way delay: 31.404 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 31.460 ms
Loss rate: 1.47%
```

Run 1: Report of LEDBAT — Data Link

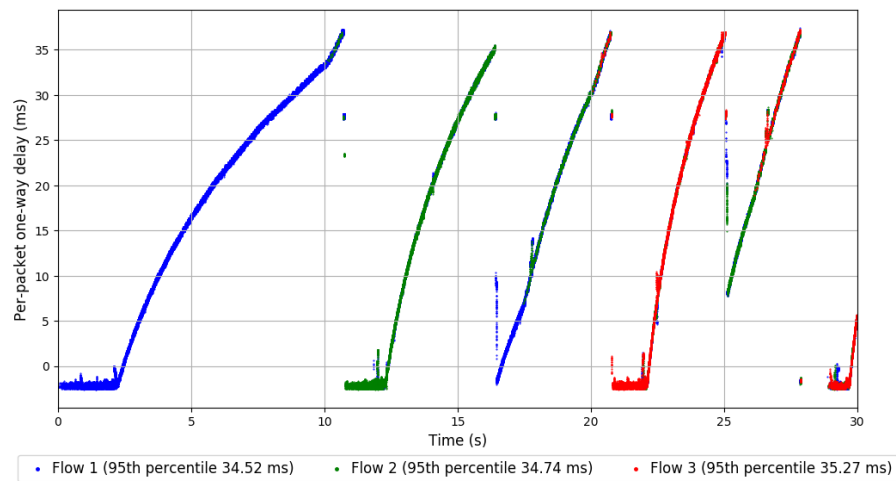
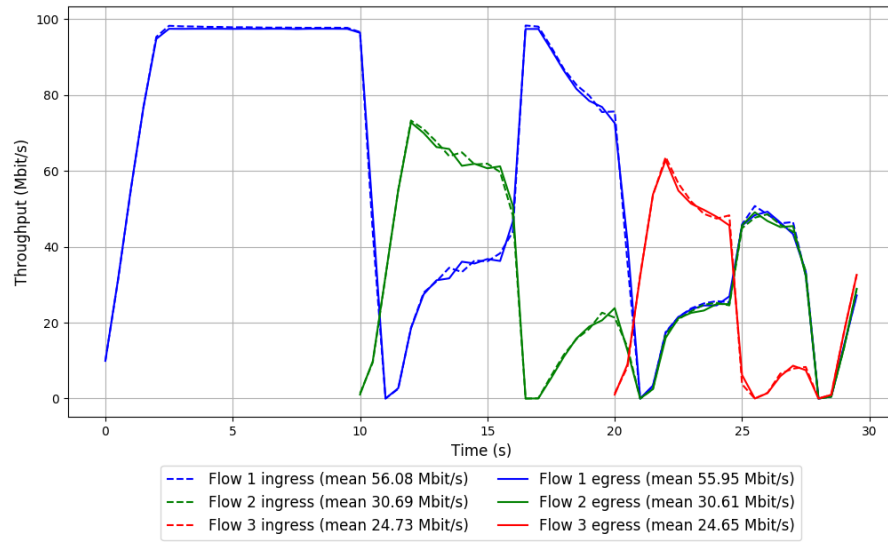


Run 2: Statistics of LEDBAT

Start at: 2018-01-02 10:35:31
End at: 2018-01-02 10:36:01
Local clock offset: -2.364 ms
Remote clock offset: -14.122 ms

Below is generated by plot.py at 2018-01-02 13:43:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 34.700 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 55.95 Mbit/s
95th percentile per-packet one-way delay: 34.516 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 34.742 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 35.267 ms
Loss rate: 0.54%

Run 2: Report of LEDBAT — Data Link

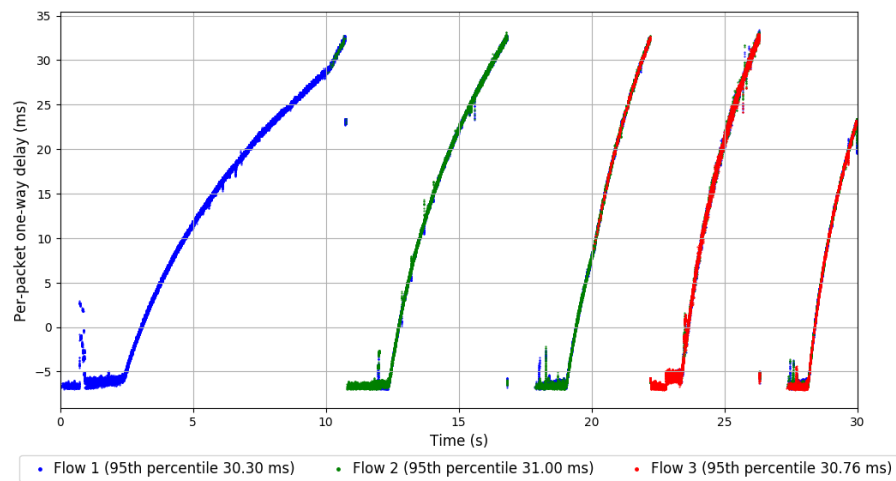
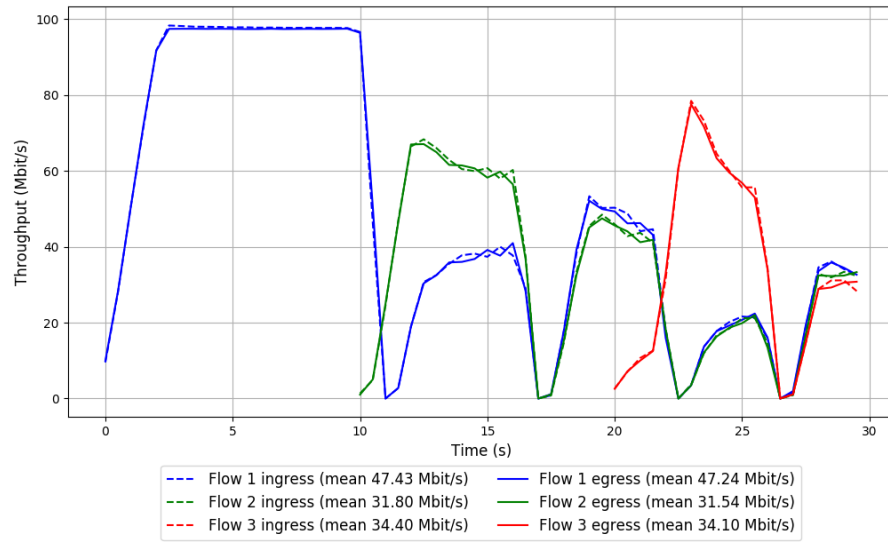


Run 3: Statistics of LEDBAT

Start at: 2018-01-02 10:53:13
End at: 2018-01-02 10:53:43
Local clock offset: 0.878 ms
Remote clock offset: -15.838 ms

Below is generated by plot.py at 2018-01-02 13:43:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.50 Mbit/s
95th percentile per-packet one-way delay: 30.640 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 30.303 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 31.002 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 34.10 Mbit/s
95th percentile per-packet one-way delay: 30.760 ms
Loss rate: 0.73%

Run 3: Report of LEDBAT — Data Link

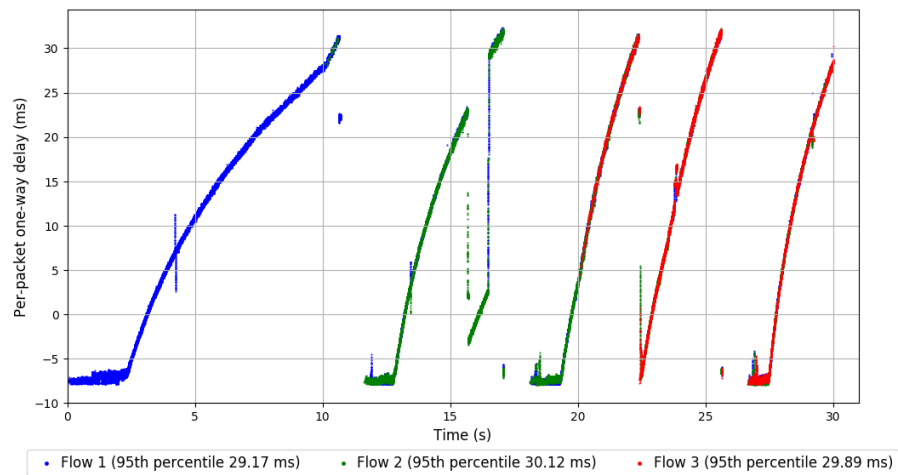
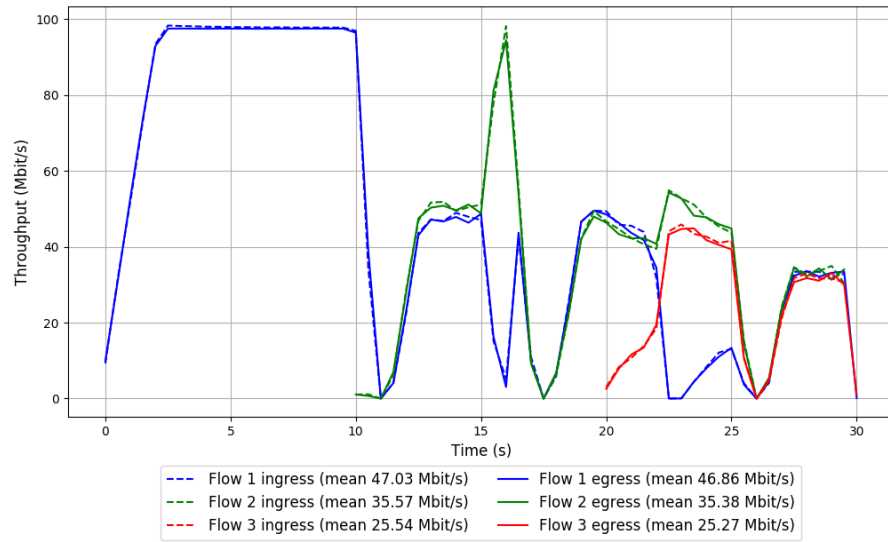


Run 4: Statistics of LEDBAT

Start at: 2018-01-02 11:11:06
End at: 2018-01-02 11:11:36
Local clock offset: 0.625 ms
Remote clock offset: -16.719 ms

Below is generated by plot.py at 2018-01-02 13:43:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.76 Mbit/s
95th percentile per-packet one-way delay: 29.637 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 46.86 Mbit/s
95th percentile per-packet one-way delay: 29.166 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 35.38 Mbit/s
95th percentile per-packet one-way delay: 30.120 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 25.27 Mbit/s
95th percentile per-packet one-way delay: 29.885 ms
Loss rate: 0.80%

Run 4: Report of LEDBAT — Data Link

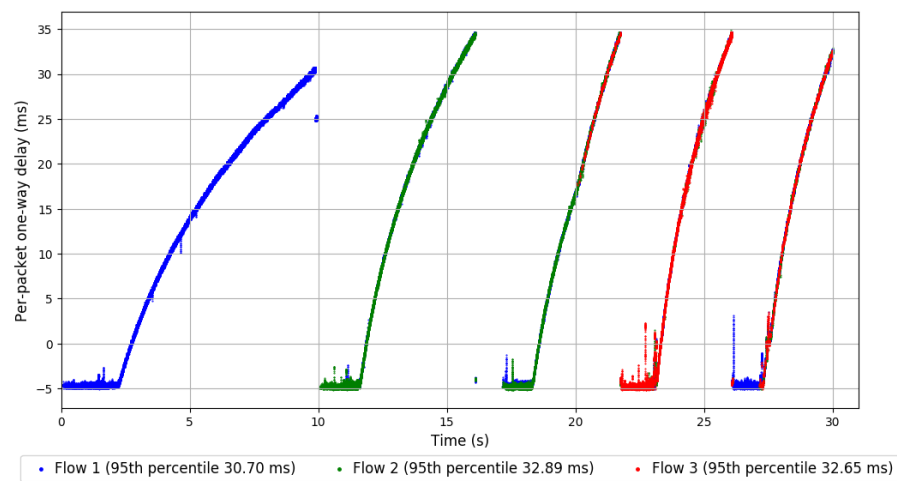
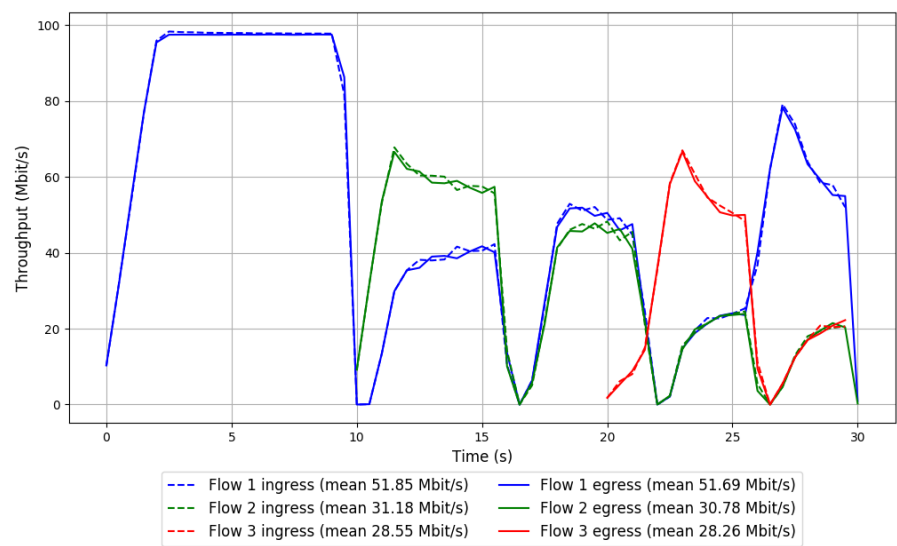


Run 5: Statistics of LEDBAT

Start at: 2018-01-02 11:28:51
End at: 2018-01-02 11:29:21
Local clock offset: -1.189 ms
Remote clock offset: -15.548 ms

Below is generated by plot.py at 2018-01-02 13:43:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.56 Mbit/s
95th percentile per-packet one-way delay: 31.920 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 51.69 Mbit/s
95th percentile per-packet one-way delay: 30.695 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 32.886 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 28.26 Mbit/s
95th percentile per-packet one-way delay: 32.654 ms
Loss rate: 0.86%

Run 5: Report of LEDBAT — Data Link

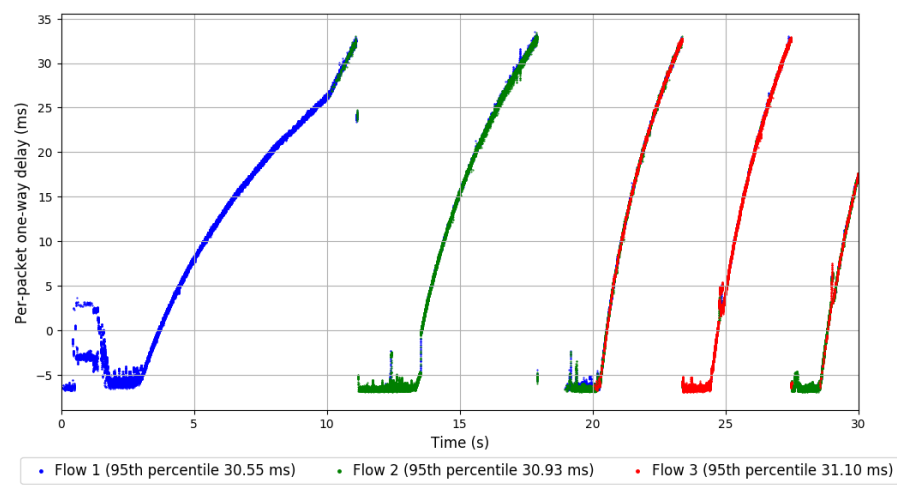
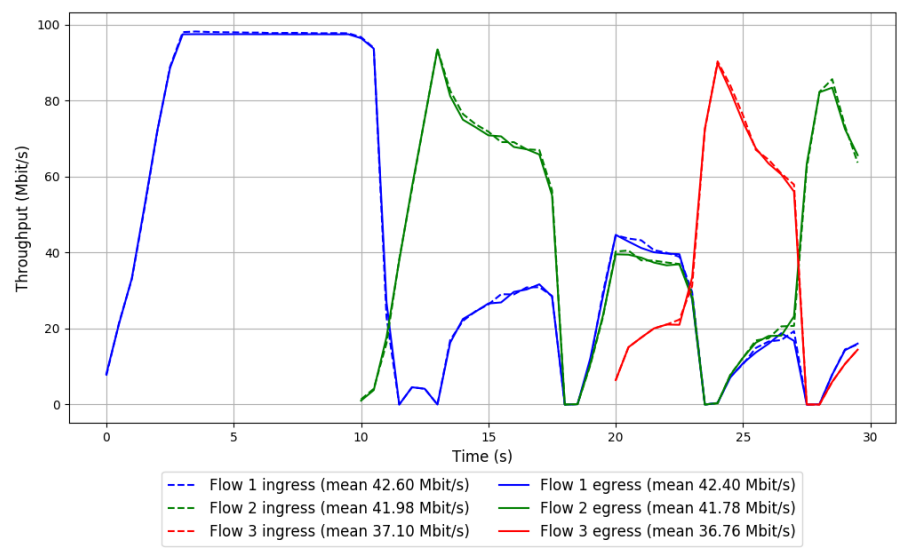


Run 6: Statistics of LEDBAT

Start at: 2018-01-02 11:46:28
End at: 2018-01-02 11:46:58
Local clock offset: -1.604 ms
Remote clock offset: -16.909 ms

Below is generated by plot.py at 2018-01-02 13:44:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.36 Mbit/s
95th percentile per-packet one-way delay: 30.795 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 42.40 Mbit/s
95th percentile per-packet one-way delay: 30.555 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 41.78 Mbit/s
95th percentile per-packet one-way delay: 30.932 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 31.097 ms
Loss rate: 0.69%

Run 6: Report of LEDBAT — Data Link

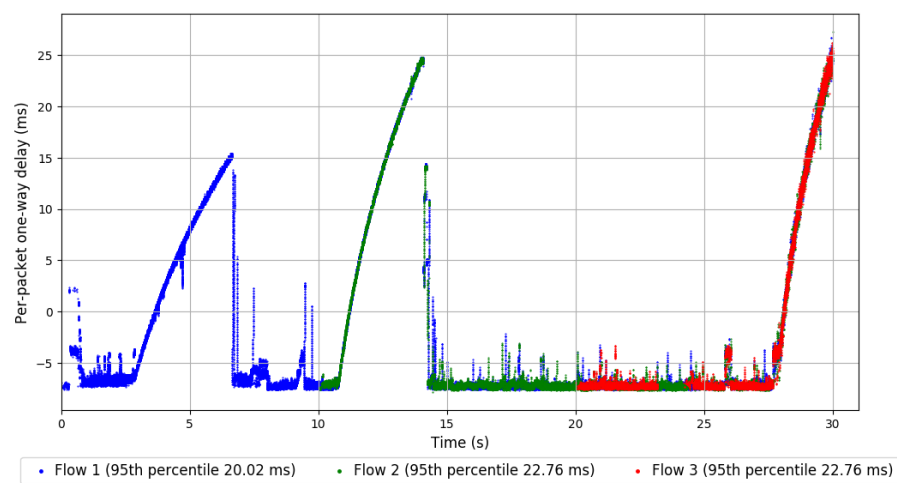
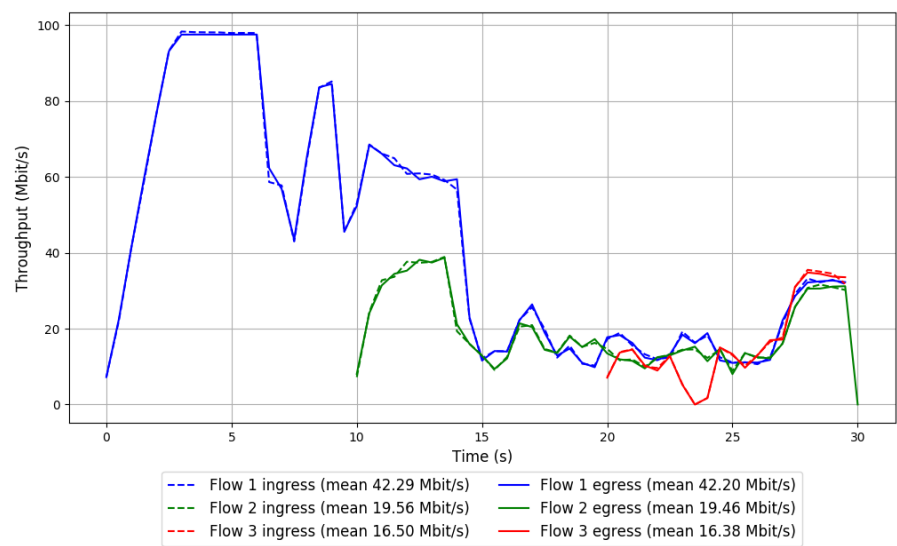


Run 7: Statistics of LEDBAT

Start at: 2018-01-02 12:04:07
End at: 2018-01-02 12:04:37
Local clock offset: 0.26 ms
Remote clock offset: -16.258 ms

Below is generated by plot.py at 2018-01-02 13:44:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.61 Mbit/s
95th percentile per-packet one-way delay: 21.459 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 42.20 Mbit/s
95th percentile per-packet one-way delay: 20.022 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 19.46 Mbit/s
95th percentile per-packet one-way delay: 22.759 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 16.38 Mbit/s
95th percentile per-packet one-way delay: 22.757 ms
Loss rate: 0.45%

Run 7: Report of LEDBAT — Data Link

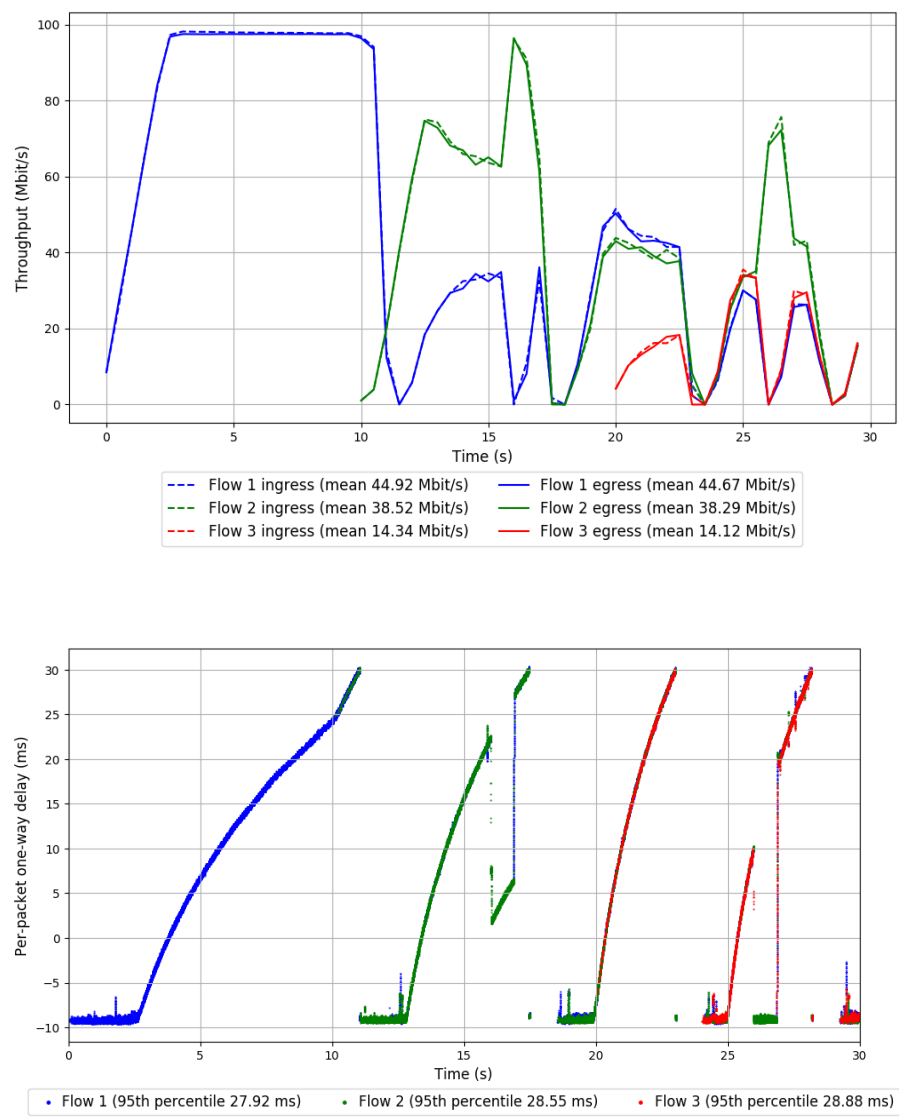


Run 8: Statistics of LEDBAT

Start at: 2018-01-02 12:21:51
End at: 2018-01-02 12:22:21
Local clock offset: 0.83 ms
Remote clock offset: -17.66 ms

Below is generated by plot.py at 2018-01-02 13:44:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.80 Mbit/s
95th percentile per-packet one-way delay: 28.295 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 44.67 Mbit/s
95th percentile per-packet one-way delay: 27.919 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 28.552 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 14.12 Mbit/s
95th percentile per-packet one-way delay: 28.884 ms
Loss rate: 1.55%

Run 8: Report of LEDBAT — Data Link

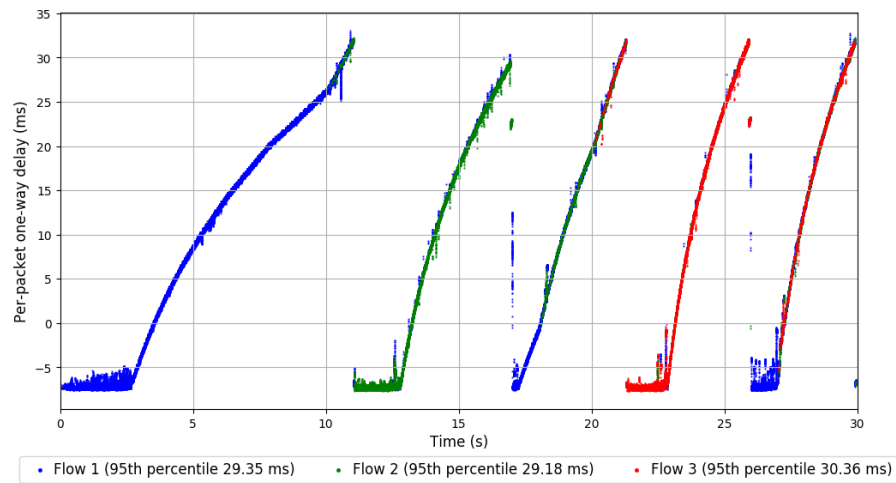
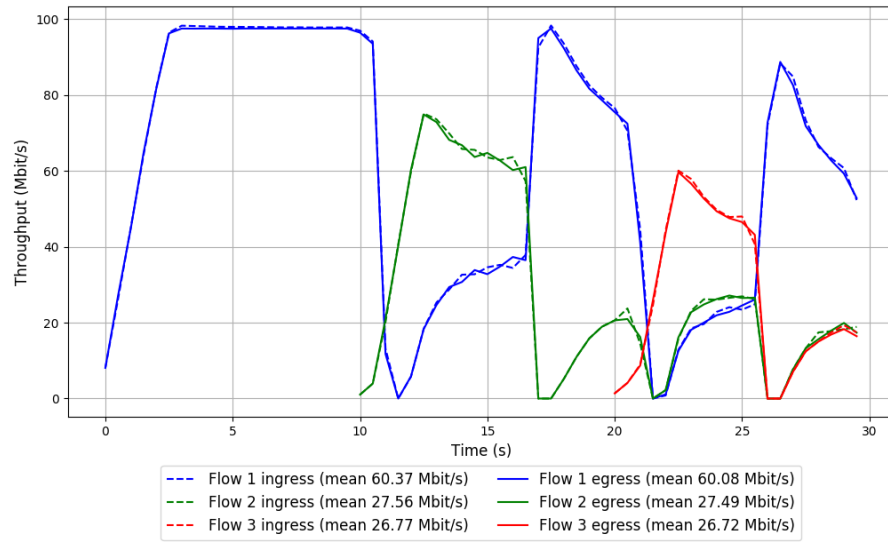


Run 9: Statistics of LEDBAT

Start at: 2018-01-02 12:39:27
End at: 2018-01-02 12:39:57
Local clock offset: 0.481 ms
Remote clock offset: -14.618 ms

Below is generated by plot.py at 2018-01-02 13:44:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.11 Mbit/s
95th percentile per-packet one-way delay: 29.550 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 60.08 Mbit/s
95th percentile per-packet one-way delay: 29.348 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 27.49 Mbit/s
95th percentile per-packet one-way delay: 29.184 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 26.72 Mbit/s
95th percentile per-packet one-way delay: 30.358 ms
Loss rate: 0.74%

Run 9: Report of LEDBAT — Data Link

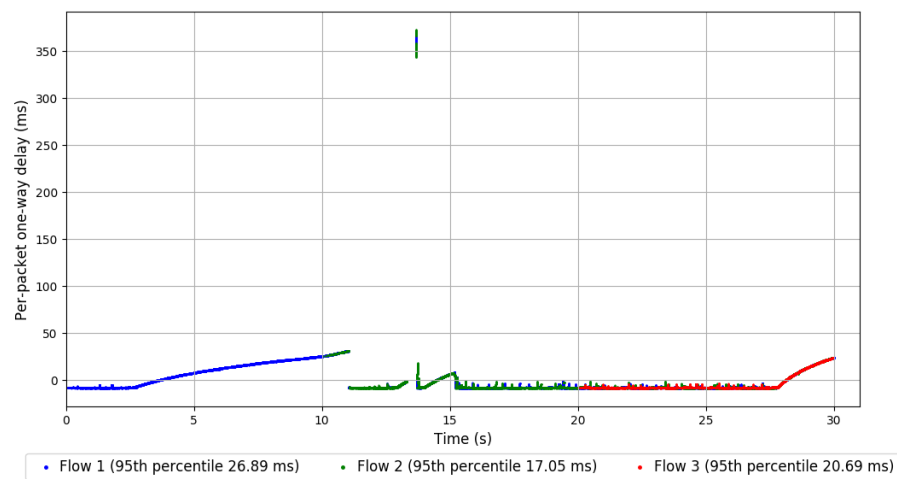
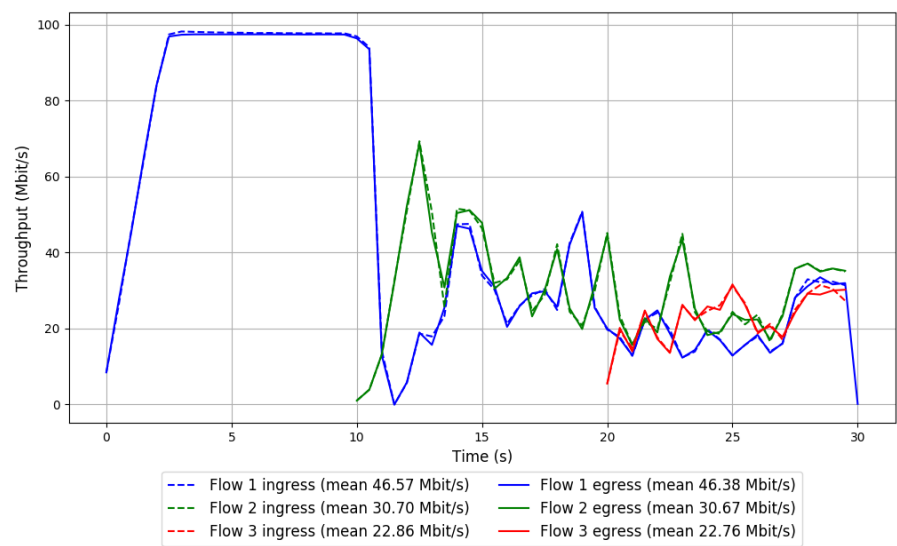


Run 10: Statistics of LEDBAT

Start at: 2018-01-02 12:57:12
End at: 2018-01-02 12:57:42
Local clock offset: -0.144 ms
Remote clock offset: -14.269 ms

Below is generated by plot.py at 2018-01-02 13:44:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.30 Mbit/s
95th percentile per-packet one-way delay: 25.173 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 46.38 Mbit/s
95th percentile per-packet one-way delay: 26.888 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: 17.048 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 22.76 Mbit/s
95th percentile per-packet one-way delay: 20.692 ms
Loss rate: 0.13%

Run 10: Report of LEDBAT — Data Link

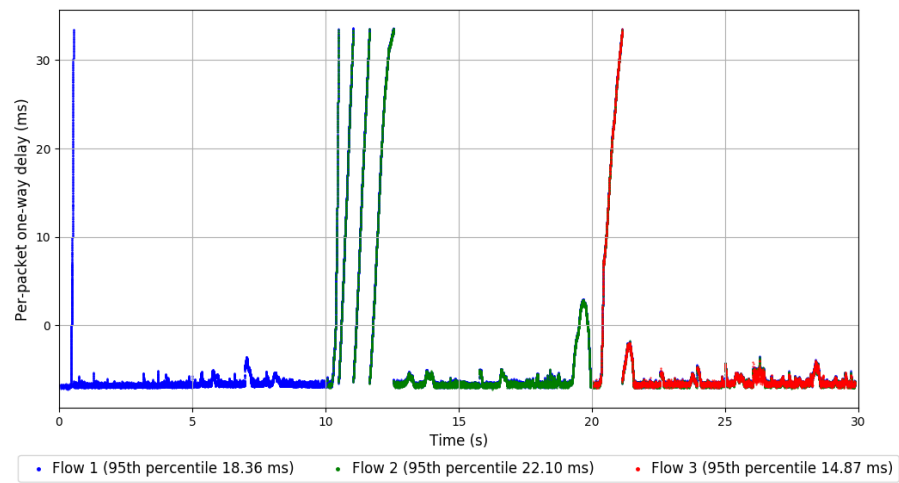
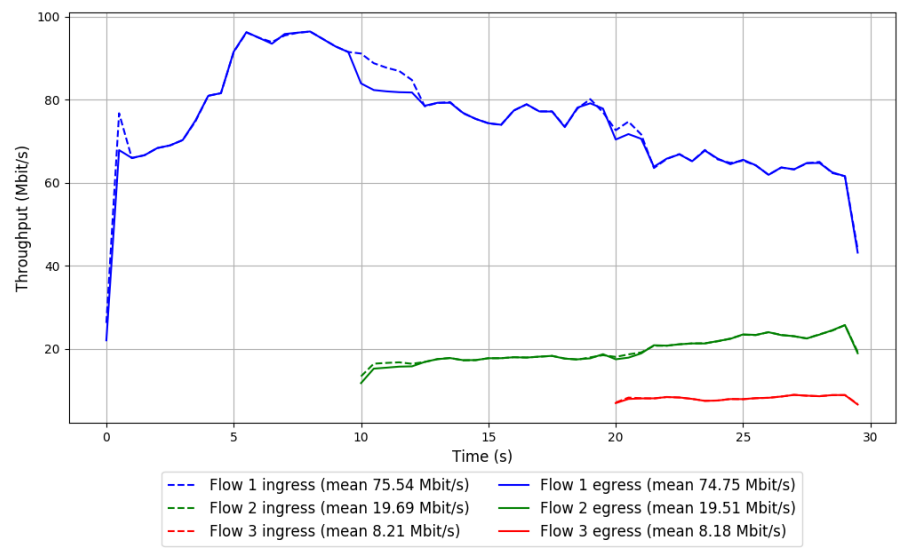


```
Run 1: Statistics of PCC

Start at: 2018-01-02 10:22:35
End at: 2018-01-02 10:23:05
Local clock offset: 0.183 ms
Remote clock offset: -16.362 ms

# Below is generated by plot.py at 2018-01-02 13:44:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.41 Mbit/s
95th percentile per-packet one-way delay: 18.989 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 74.75 Mbit/s
95th percentile per-packet one-way delay: 18.361 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 19.51 Mbit/s
95th percentile per-packet one-way delay: 22.097 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 8.18 Mbit/s
95th percentile per-packet one-way delay: 14.873 ms
Loss rate: 0.38%
```

Run 1: Report of PCC — Data Link

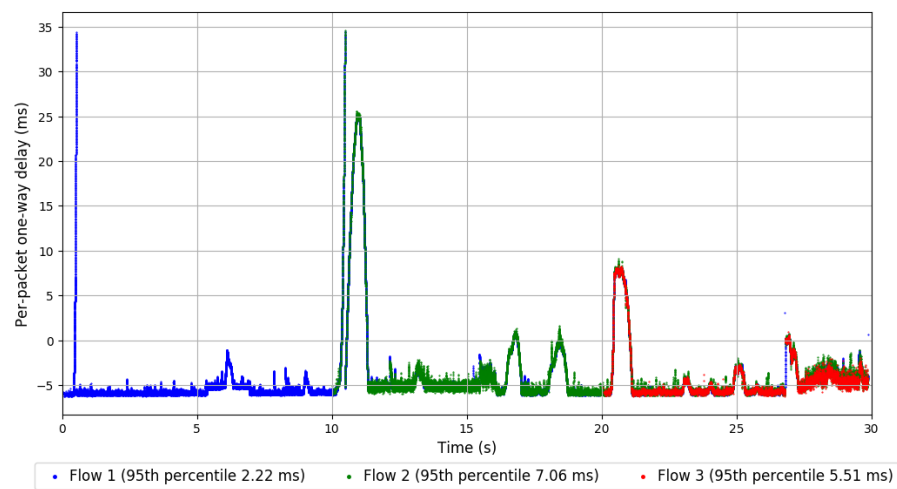
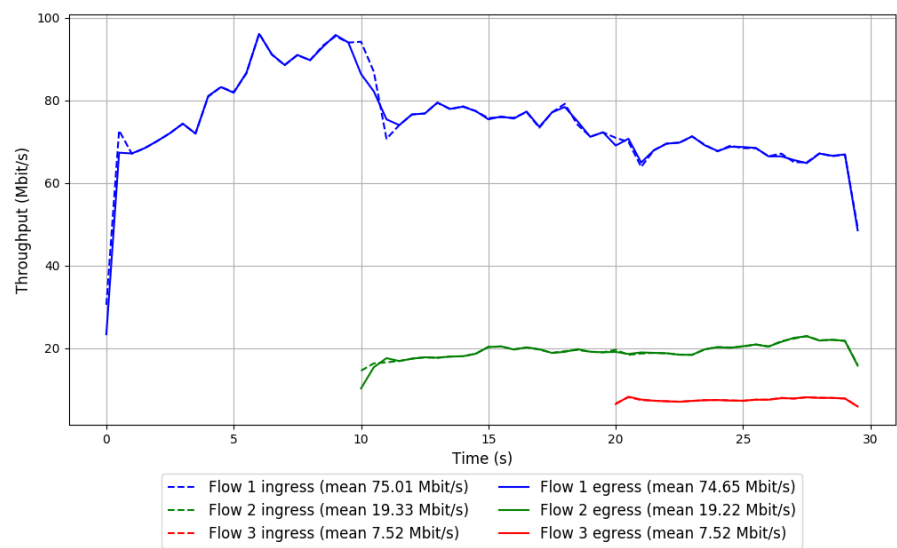


Run 2: Statistics of PCC

Start at: 2018-01-02 10:40:14
End at: 2018-01-02 10:40:44
Local clock offset: 0.783 ms
Remote clock offset: -14.565 ms

Below is generated by plot.py at 2018-01-02 13:44:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 3.638 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 74.65 Mbit/s
95th percentile per-packet one-way delay: 2.217 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 19.22 Mbit/s
95th percentile per-packet one-way delay: 7.058 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 5.507 ms
Loss rate: 0.02%

Run 2: Report of PCC — Data Link

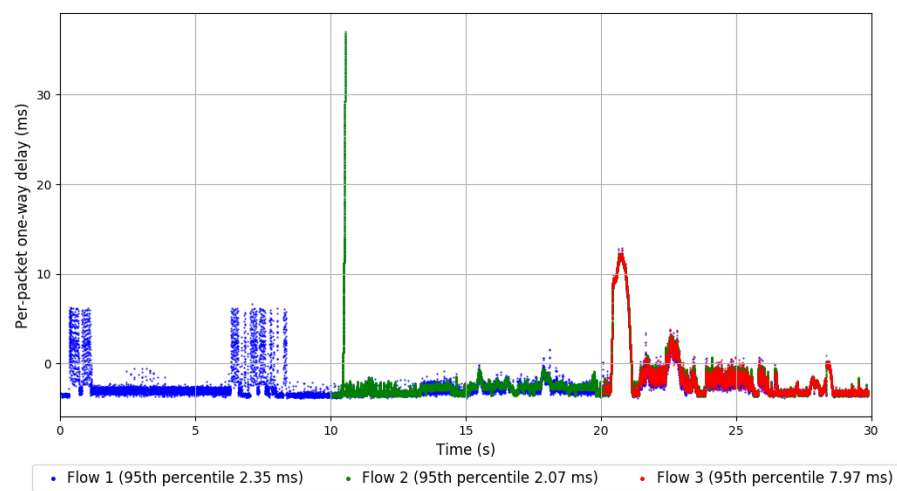
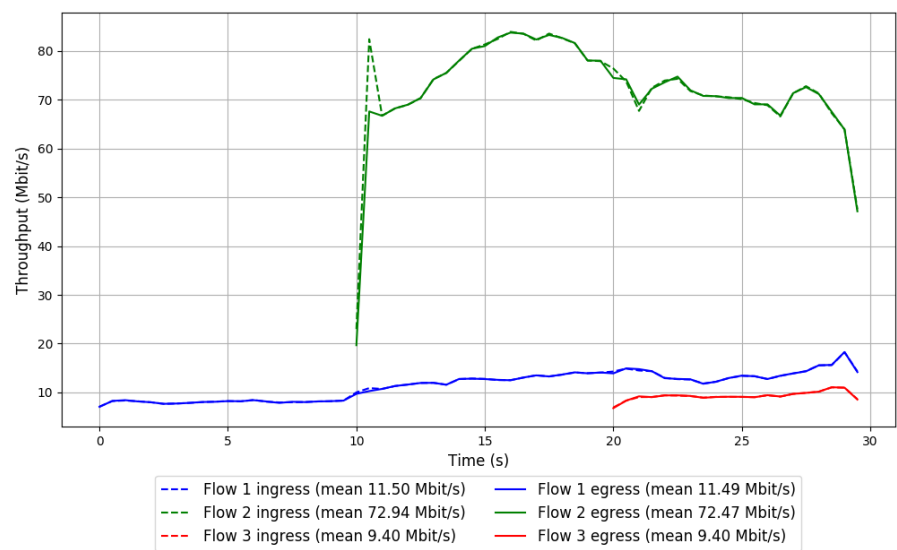


Run 3: Statistics of PCC

Start at: 2018-01-02 10:58:03
End at: 2018-01-02 10:58:33
Local clock offset: -2.169 ms
Remote clock offset: -15.446 ms

Below is generated by plot.py at 2018-01-02 13:44:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.77 Mbit/s
95th percentile per-packet one-way delay: 2.209 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 11.49 Mbit/s
95th percentile per-packet one-way delay: 2.353 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 72.47 Mbit/s
95th percentile per-packet one-way delay: 2.067 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 9.40 Mbit/s
95th percentile per-packet one-way delay: 7.969 ms
Loss rate: 0.00%

Run 3: Report of PCC — Data Link

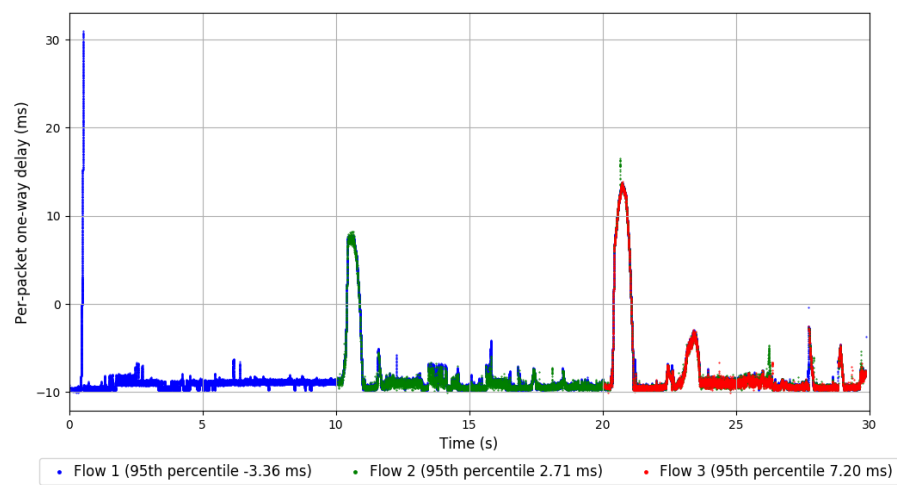
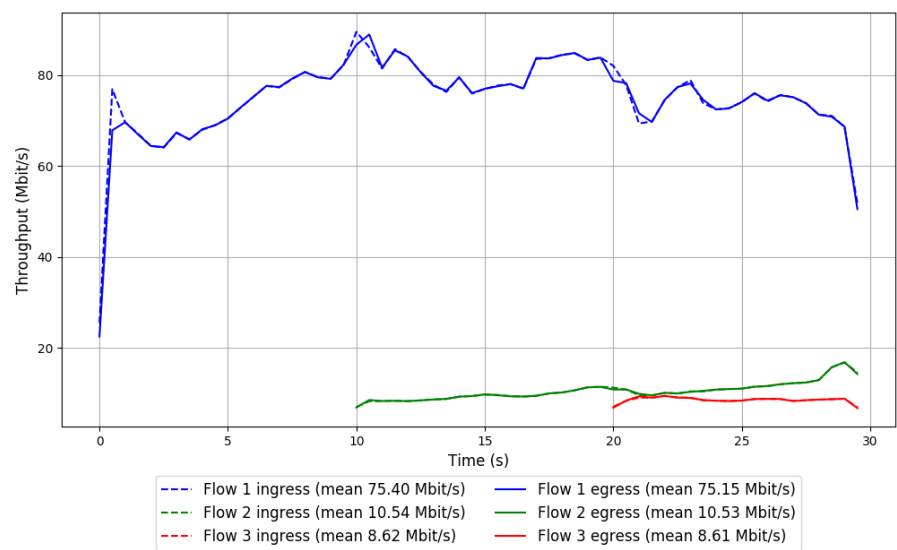


Run 4: Statistics of PCC

Start at: 2018-01-02 11:15:50
End at: 2018-01-02 11:16:20
Local clock offset: 2.353 ms
Remote clock offset: -16.877 ms

Below is generated by plot.py at 2018-01-02 13:45:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.00 Mbit/s
95th percentile per-packet one-way delay: -2.662 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 75.15 Mbit/s
95th percentile per-packet one-way delay: -3.356 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 10.53 Mbit/s
95th percentile per-packet one-way delay: 2.714 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 7.197 ms
Loss rate: 0.06%

Run 4: Report of PCC — Data Link

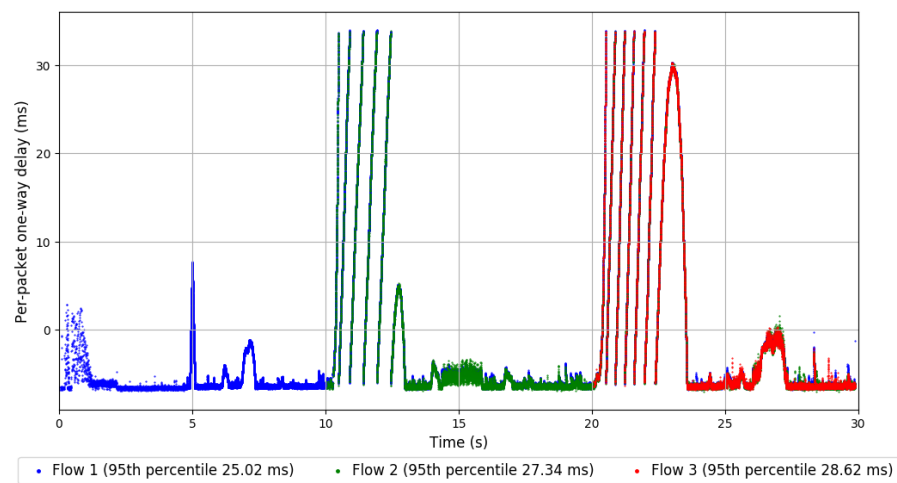
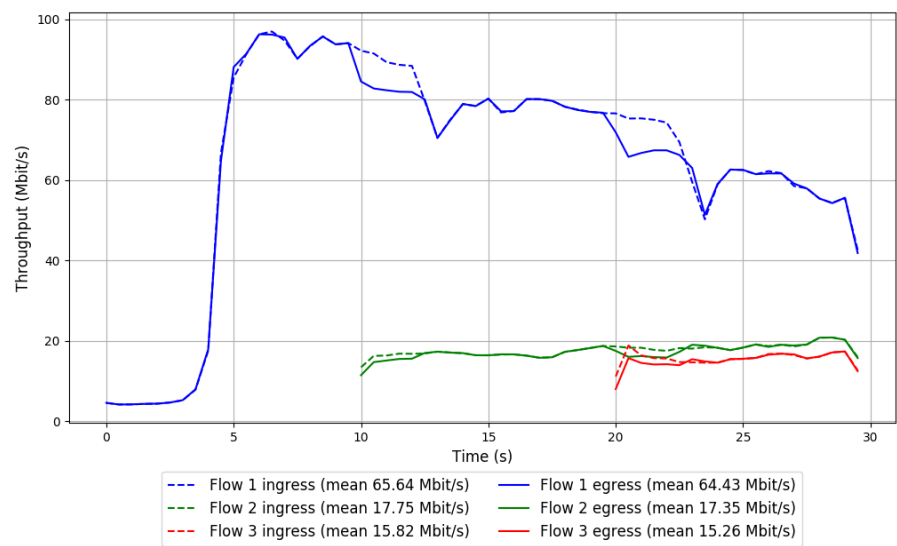


Run 5: Statistics of PCC

Start at: 2018-01-02 11:33:31
End at: 2018-01-02 11:34:01
Local clock offset: -0.549 ms
Remote clock offset: -16.357 ms

Below is generated by plot.py at 2018-01-02 13:45:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.99 Mbit/s
95th percentile per-packet one-way delay: 25.901 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 64.43 Mbit/s
95th percentile per-packet one-way delay: 25.023 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 17.35 Mbit/s
95th percentile per-packet one-way delay: 27.336 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 15.26 Mbit/s
95th percentile per-packet one-way delay: 28.622 ms
Loss rate: 3.55%

Run 5: Report of PCC — Data Link

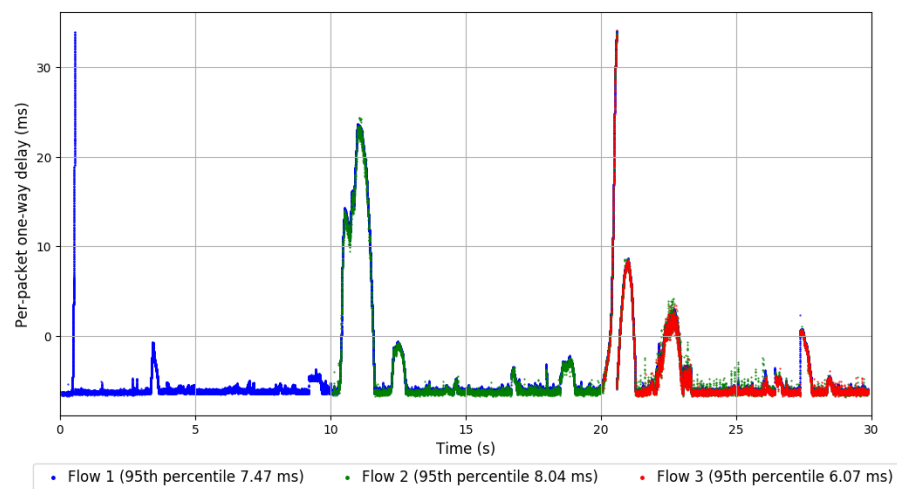
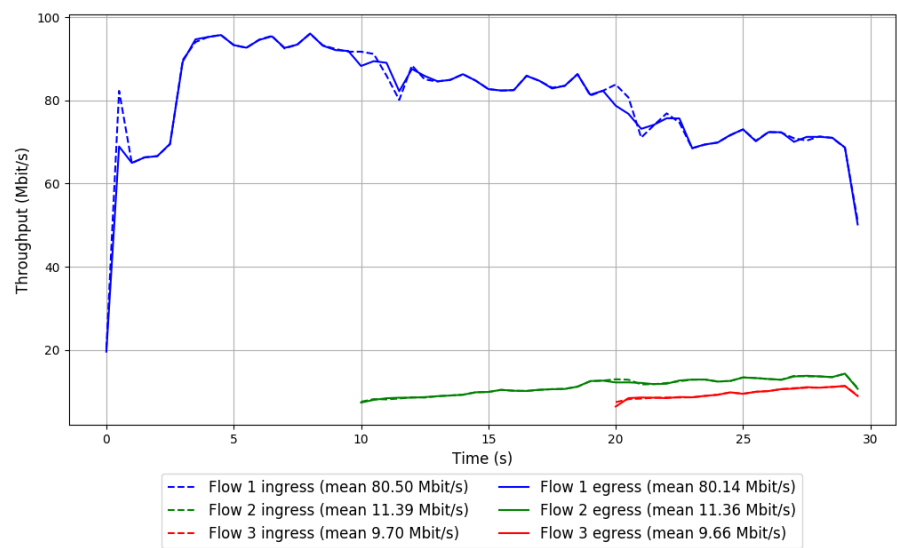


Run 6: Statistics of PCC

Start at: 2018-01-02 11:51:10
End at: 2018-01-02 11:51:40
Local clock offset: -1.796 ms
Remote clock offset: -16.733 ms

Below is generated by plot.py at 2018-01-02 13:45:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 7.464 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 80.14 Mbit/s
95th percentile per-packet one-way delay: 7.466 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 8.040 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 6.069 ms
Loss rate: 0.34%

Run 6: Report of PCC — Data Link

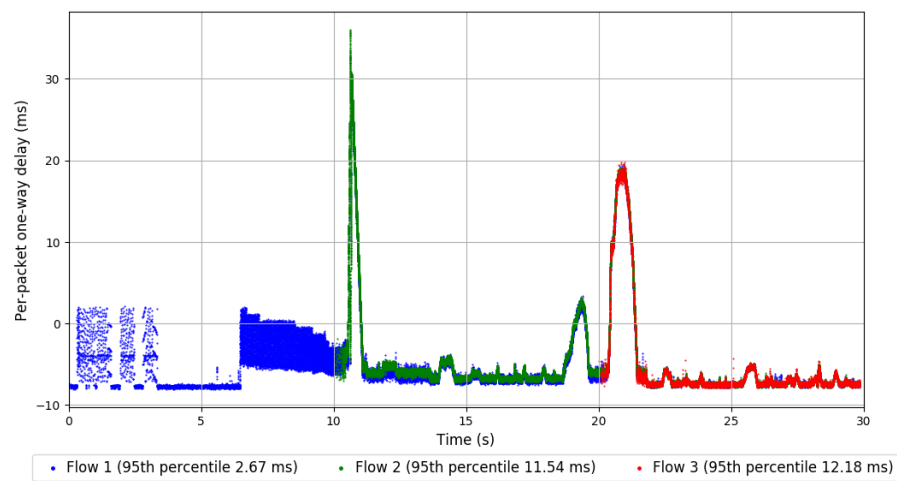
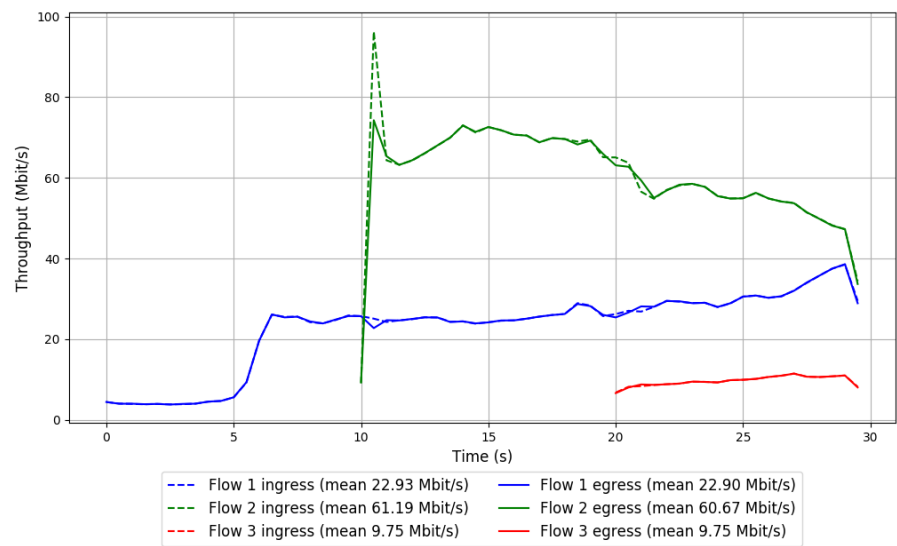


Run 7: Statistics of PCC

Start at: 2018-01-02 12:08:48
End at: 2018-01-02 12:09:18
Local clock offset: -0.023 ms
Remote clock offset: -16.991 ms

Below is generated by plot.py at 2018-01-02 13:45:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.44 Mbit/s
95th percentile per-packet one-way delay: 9.875 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 22.90 Mbit/s
95th percentile per-packet one-way delay: 2.672 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 60.67 Mbit/s
95th percentile per-packet one-way delay: 11.541 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 9.75 Mbit/s
95th percentile per-packet one-way delay: 12.180 ms
Loss rate: 0.00%

Run 7: Report of PCC — Data Link

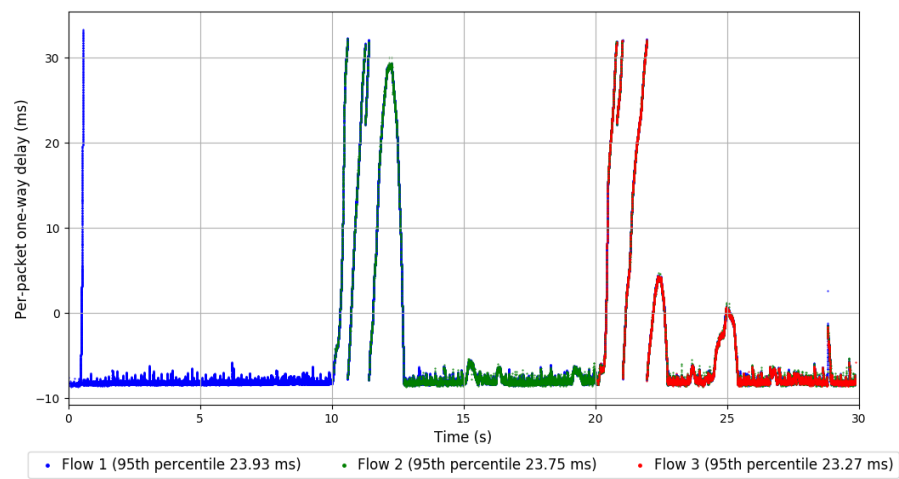
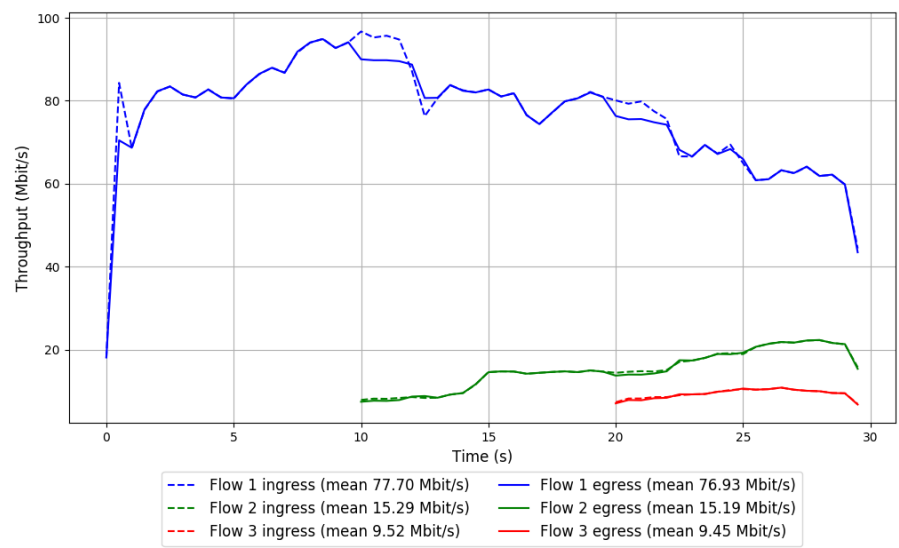


Run 8: Statistics of PCC

Start at: 2018-01-02 12:26:31
End at: 2018-01-02 12:27:01
Local clock offset: -1.323 ms
Remote clock offset: -18.496 ms

Below is generated by plot.py at 2018-01-02 13:45:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.13 Mbit/s
95th percentile per-packet one-way delay: 23.879 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 76.93 Mbit/s
95th percentile per-packet one-way delay: 23.925 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 23.753 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 23.274 ms
Loss rate: 0.77%

Run 8: Report of PCC — Data Link

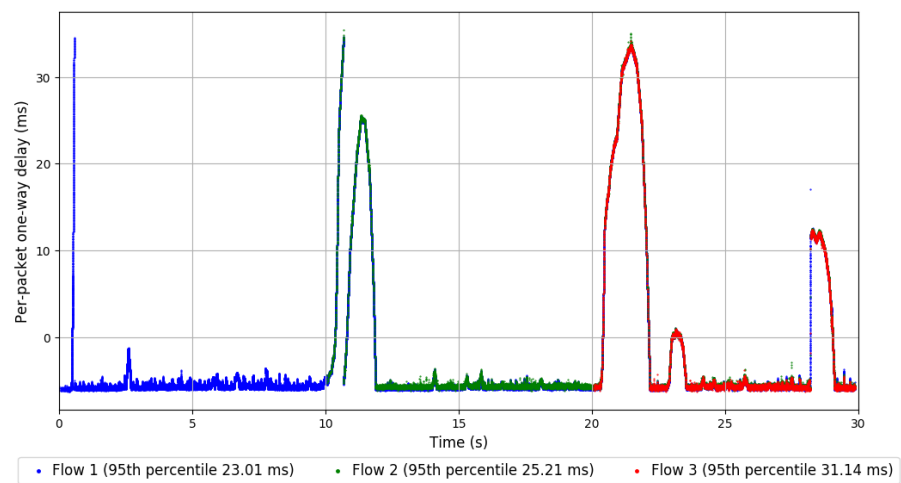
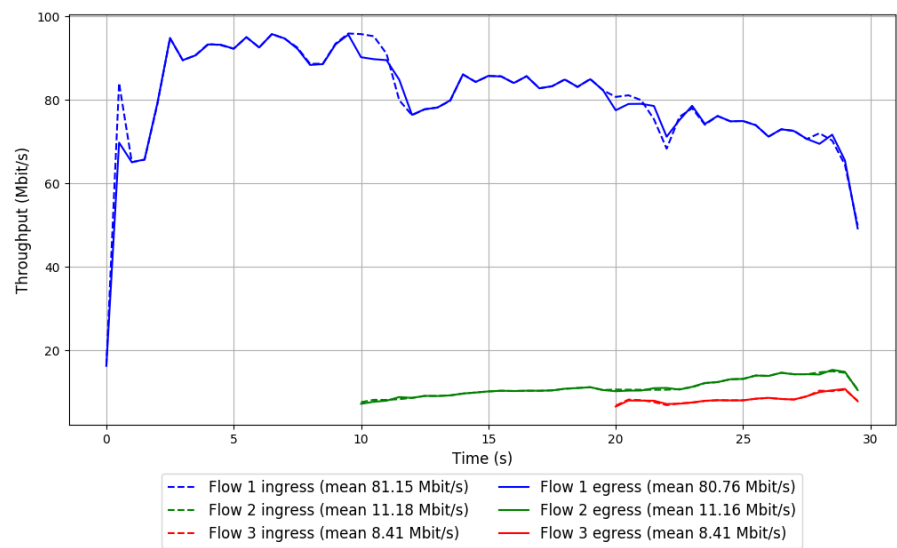


Run 9: Statistics of PCC

Start at: 2018-01-02 12:44:12
End at: 2018-01-02 12:44:42
Local clock offset: -2.176 ms
Remote clock offset: -15.318 ms

Below is generated by plot.py at 2018-01-02 13:45:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.94 Mbit/s
95th percentile per-packet one-way delay: 23.547 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: 23.013 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 25.210 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 31.144 ms
Loss rate: 0.00%

Run 9: Report of PCC — Data Link

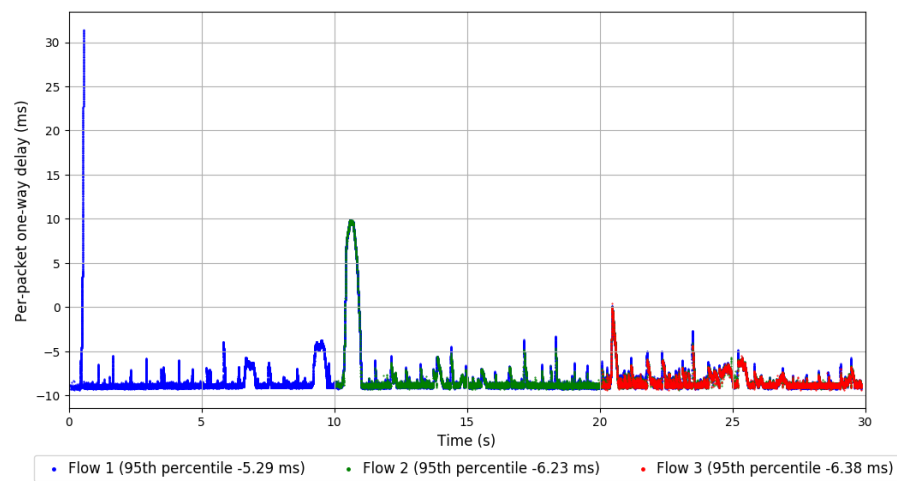
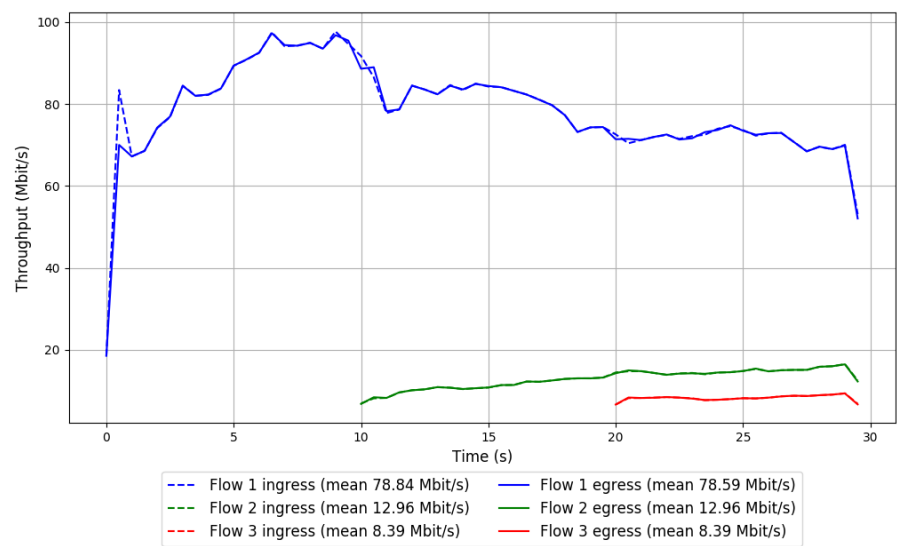


Run 10: Statistics of PCC

Start at: 2018-01-02 13:01:57
End at: 2018-01-02 13:02:27
Local clock offset: 0.483 ms
Remote clock offset: -13.954 ms

Below is generated by plot.py at 2018-01-02 13:45:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: -5.550 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 78.59 Mbit/s
95th percentile per-packet one-way delay: -5.286 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 12.96 Mbit/s
95th percentile per-packet one-way delay: -6.227 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.39 Mbit/s
95th percentile per-packet one-way delay: -6.378 ms
Loss rate: 0.00%

Run 10: Report of PCC — Data Link

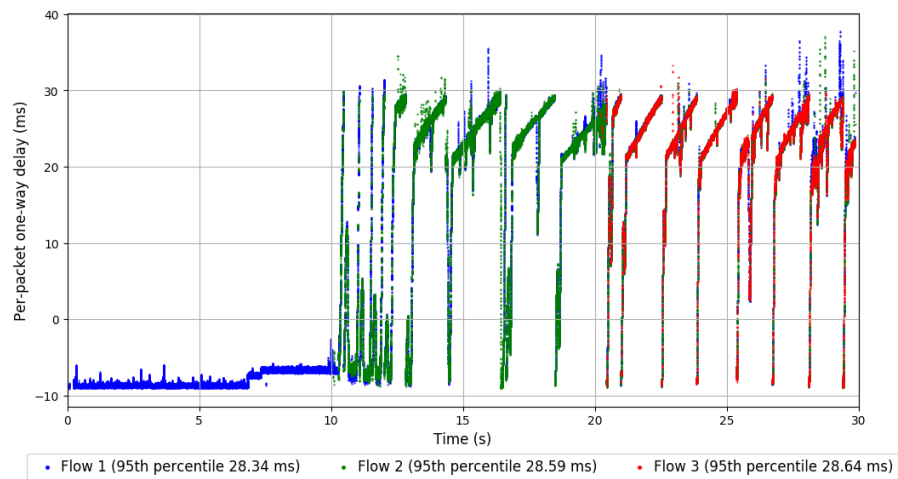
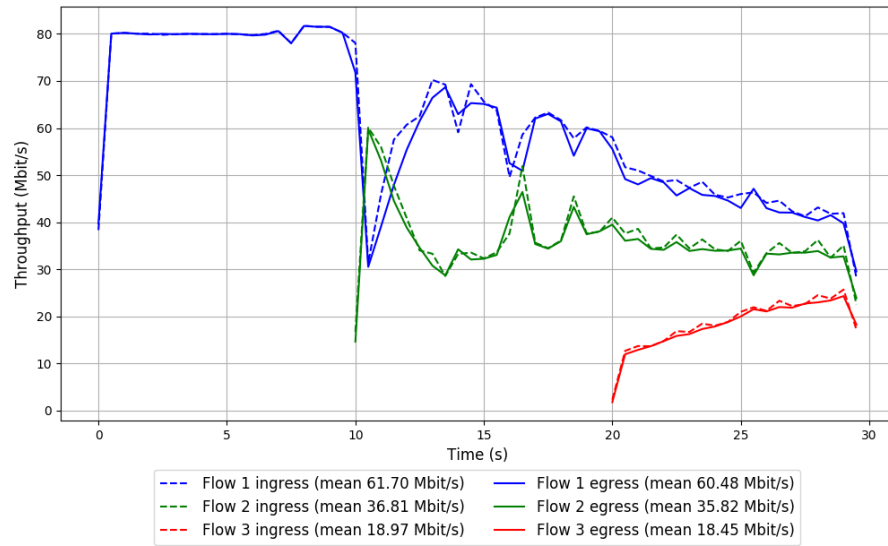


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-02 10:24:52
End at: 2018-01-02 10:25:22
Local clock offset: 3.018 ms
Remote clock offset: -15.433 ms

# Below is generated by plot.py at 2018-01-02 13:46:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.27 Mbit/s
95th percentile per-packet one-way delay: 28.428 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 60.48 Mbit/s
95th percentile per-packet one-way delay: 28.335 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 35.82 Mbit/s
95th percentile per-packet one-way delay: 28.593 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 18.45 Mbit/s
95th percentile per-packet one-way delay: 28.638 ms
Loss rate: 2.75%
```

Run 1: Report of QUIC Cubic — Data Link

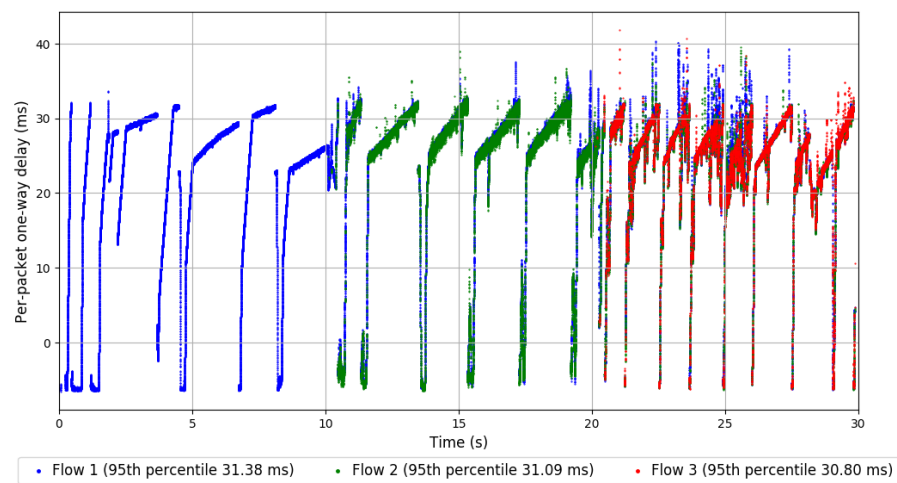
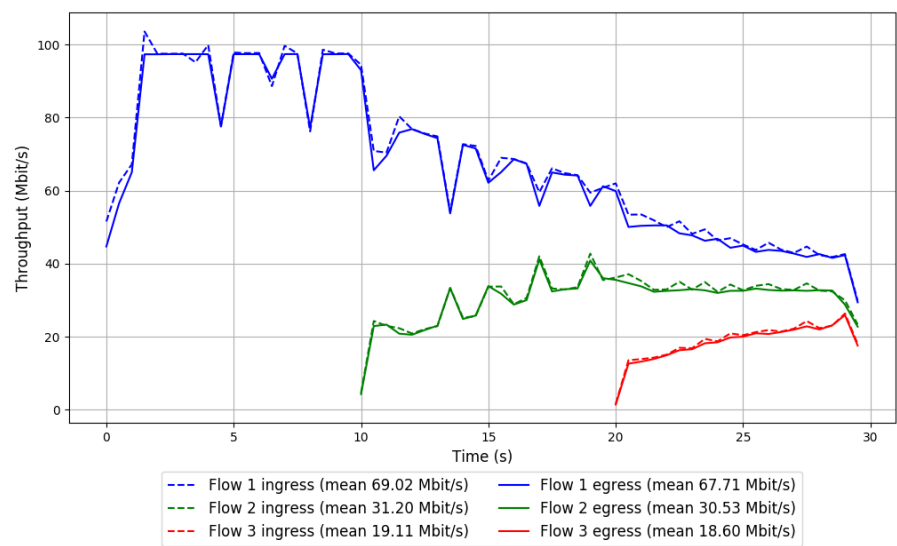


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-02 10:42:34
End at: 2018-01-02 10:43:04
Local clock offset: 0.083 ms
Remote clock offset: -15.465 ms

Below is generated by plot.py at 2018-01-02 13:46:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 31.327 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 67.71 Mbit/s
95th percentile per-packet one-way delay: 31.384 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 31.092 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 18.60 Mbit/s
95th percentile per-packet one-way delay: 30.801 ms
Loss rate: 2.85%

Run 2: Report of QUIC Cubic — Data Link

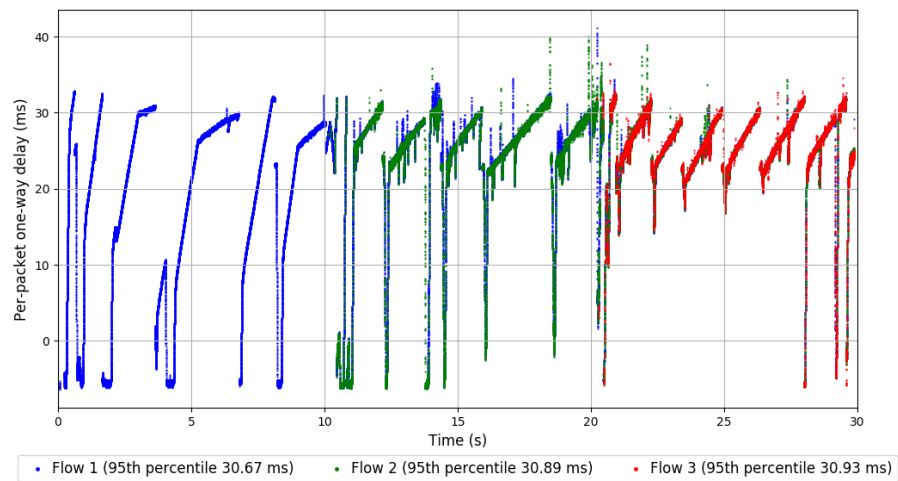
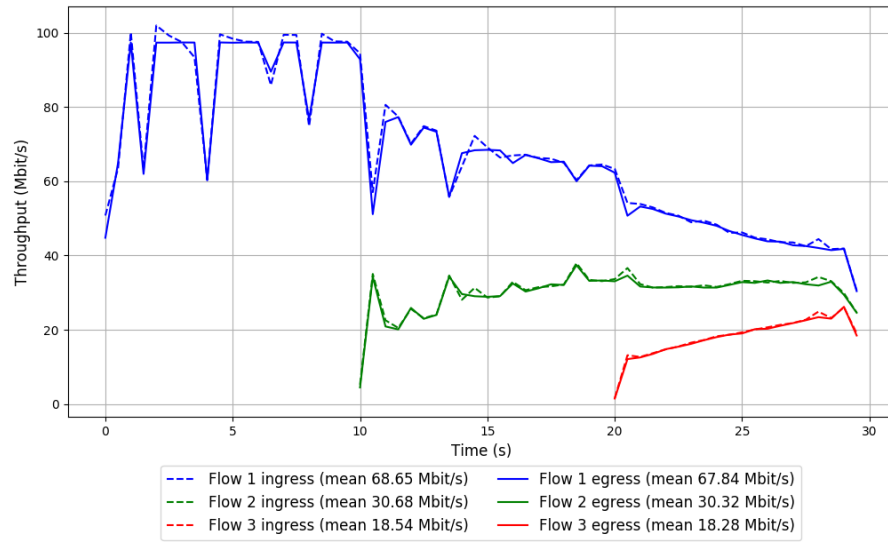


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-02 11:00:22
End at: 2018-01-02 11:00:52
Local clock offset: -0.115 ms
Remote clock offset: -16.004 ms

Below is generated by plot.py at 2018-01-02 13:46:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 30.720 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 67.84 Mbit/s
95th percentile per-packet one-way delay: 30.668 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 30.32 Mbit/s
95th percentile per-packet one-way delay: 30.887 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 30.932 ms
Loss rate: 1.44%

Run 3: Report of QUIC Cubic — Data Link

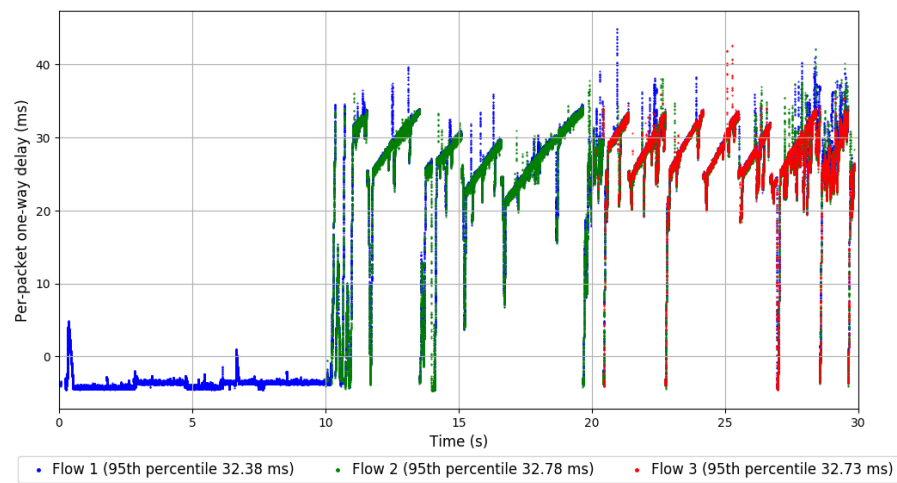
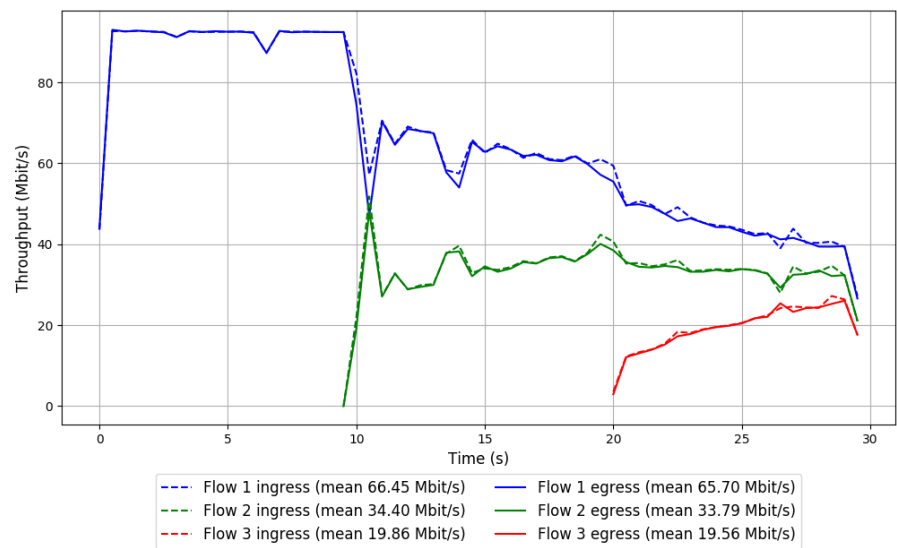


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-02 11:18:11
End at: 2018-01-02 11:18:41
Local clock offset: -1.253 ms
Remote clock offset: -15.26 ms

Below is generated by plot.py at 2018-01-02 13:46:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 32.555 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 65.70 Mbit/s
95th percentile per-packet one-way delay: 32.379 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 33.79 Mbit/s
95th percentile per-packet one-way delay: 32.777 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 19.56 Mbit/s
95th percentile per-packet one-way delay: 32.734 ms
Loss rate: 1.50%

Run 4: Report of QUIC Cubic — Data Link

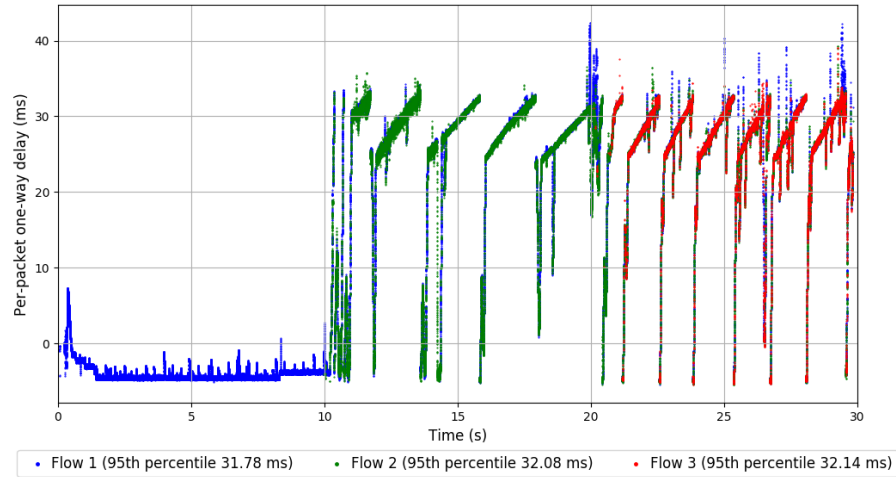
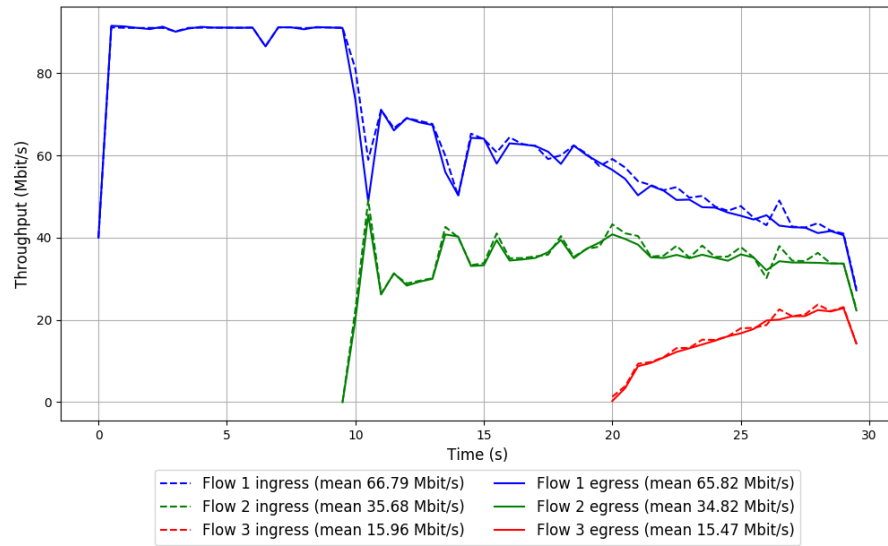


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-02 11:35:49
End at: 2018-01-02 11:36:19
Local clock offset: -2.639 ms
Remote clock offset: -17.109 ms

Below is generated by plot.py at 2018-01-02 13:47:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.05 Mbit/s
95th percentile per-packet one-way delay: 31.893 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 65.82 Mbit/s
95th percentile per-packet one-way delay: 31.784 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 34.82 Mbit/s
95th percentile per-packet one-way delay: 32.077 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 15.47 Mbit/s
95th percentile per-packet one-way delay: 32.144 ms
Loss rate: 3.15%

Run 5: Report of QUIC Cubic — Data Link

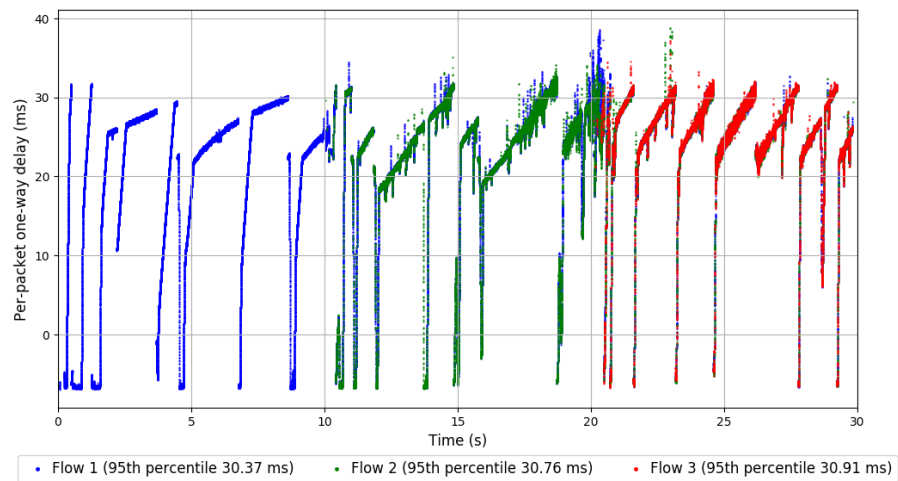
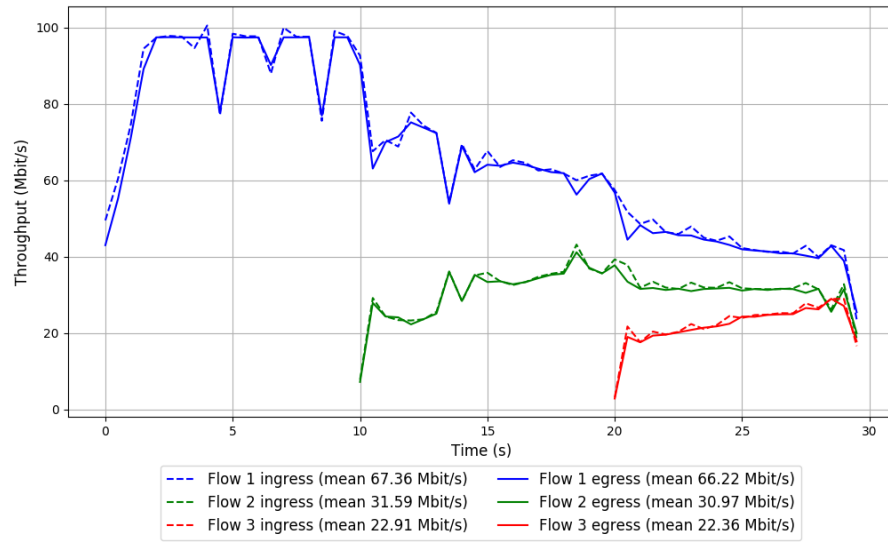


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-02 11:53:26
End at: 2018-01-02 11:53:56
Local clock offset: -2.285 ms
Remote clock offset: -17.374 ms

Below is generated by plot.py at 2018-01-02 13:47:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.05 Mbit/s
95th percentile per-packet one-way delay: 30.552 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 66.22 Mbit/s
95th percentile per-packet one-way delay: 30.367 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 30.761 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 22.36 Mbit/s
95th percentile per-packet one-way delay: 30.911 ms
Loss rate: 2.41%

Run 6: Report of QUIC Cubic — Data Link

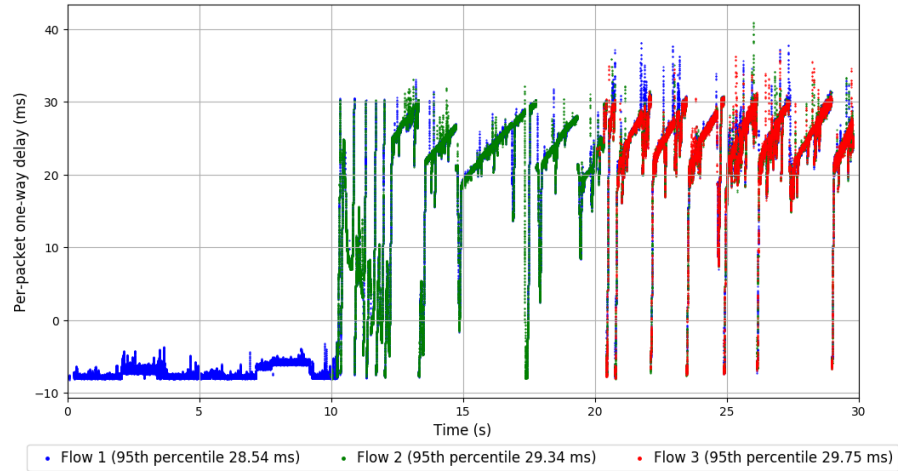
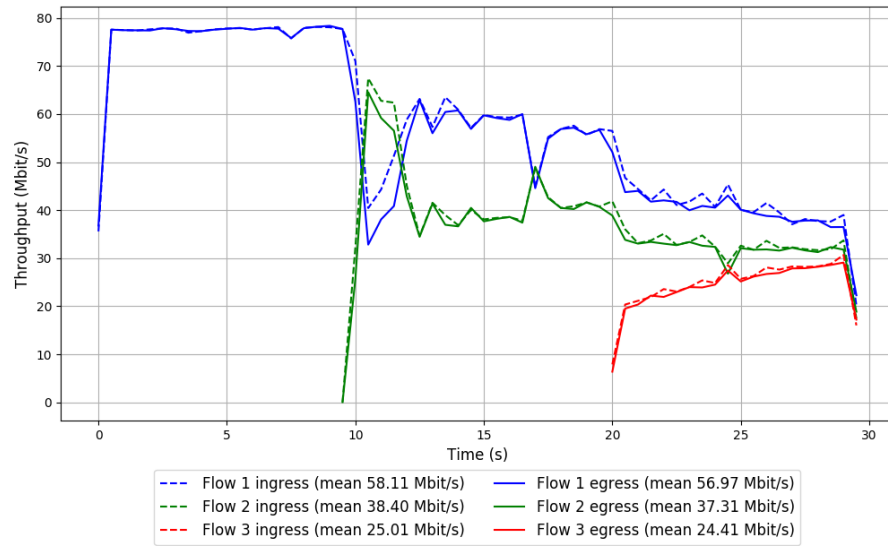


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-02 12:11:06
End at: 2018-01-02 12:11:36
Local clock offset: 0.294 ms
Remote clock offset: -17.111 ms

Below is generated by plot.py at 2018-01-02 13:47:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.81 Mbit/s
95th percentile per-packet one-way delay: 29.124 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 56.97 Mbit/s
95th percentile per-packet one-way delay: 28.540 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 37.31 Mbit/s
95th percentile per-packet one-way delay: 29.341 ms
Loss rate: 2.66%
-- Flow 3:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 29.754 ms
Loss rate: 2.37%

Run 7: Report of QUIC Cubic — Data Link

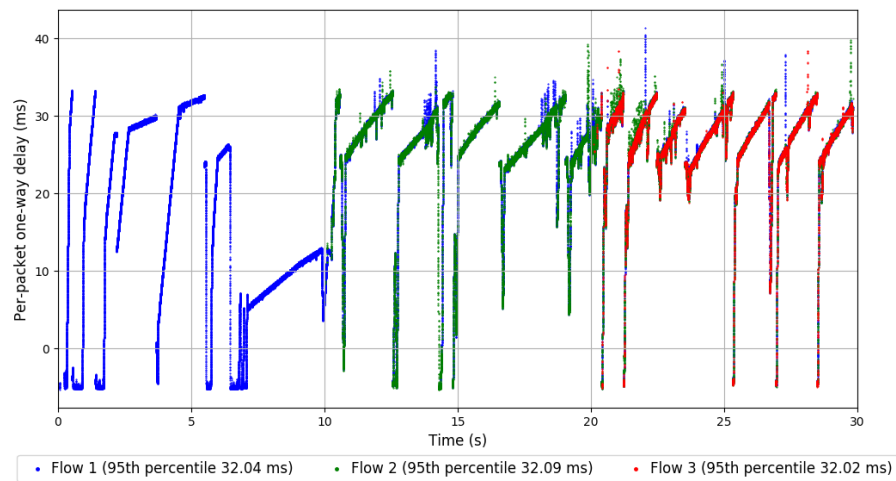
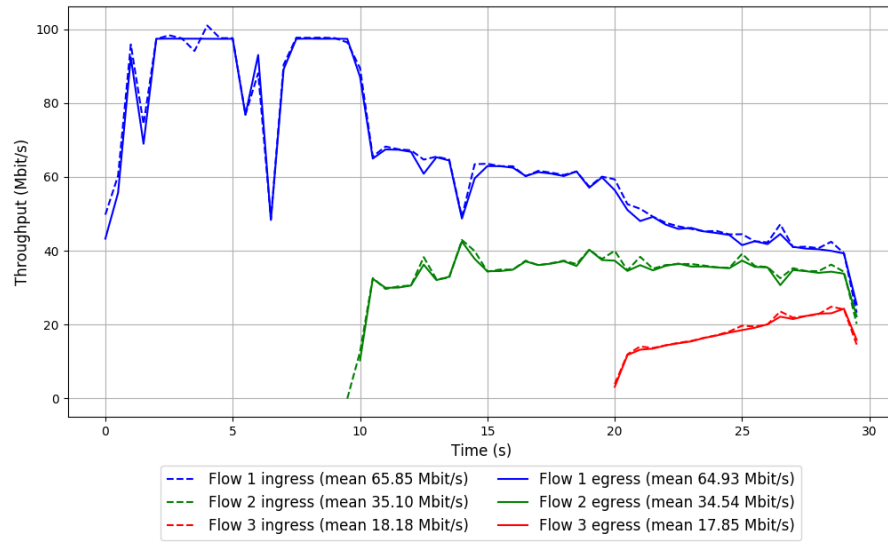


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-02 12:28:48
End at: 2018-01-02 12:29:18
Local clock offset: -0.615 ms
Remote clock offset: -14.454 ms

Below is generated by plot.py at 2018-01-02 13:47:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 32.050 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 64.93 Mbit/s
95th percentile per-packet one-way delay: 32.038 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 34.54 Mbit/s
95th percentile per-packet one-way delay: 32.091 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 17.85 Mbit/s
95th percentile per-packet one-way delay: 32.018 ms
Loss rate: 1.75%

Run 8: Report of QUIC Cubic — Data Link

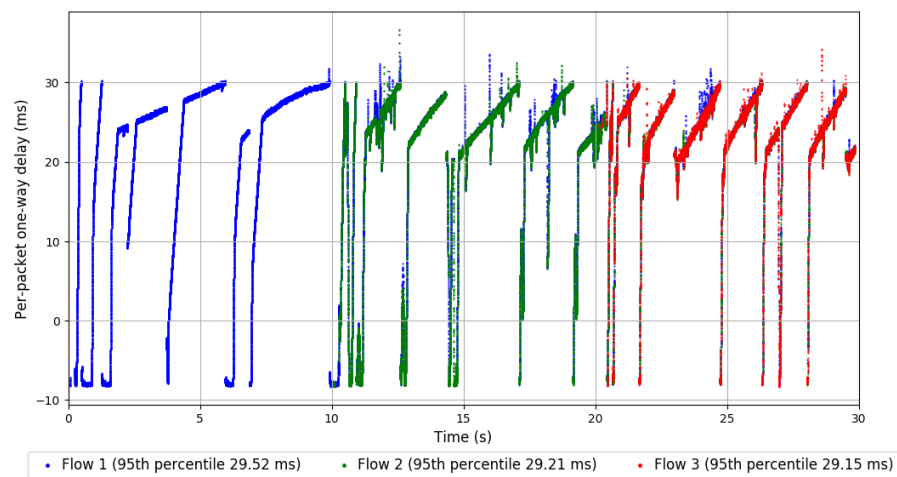
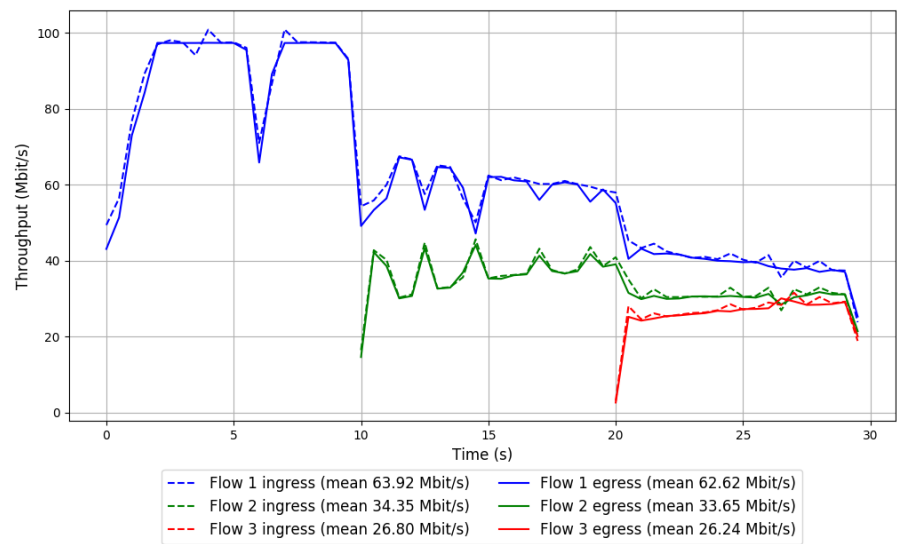


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-02 12:46:27
End at: 2018-01-02 12:46:57
Local clock offset: -1.108 ms
Remote clock offset: -16.297 ms

Below is generated by plot.py at 2018-01-02 13:47:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 29.431 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 62.62 Mbit/s
95th percentile per-packet one-way delay: 29.517 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 33.65 Mbit/s
95th percentile per-packet one-way delay: 29.207 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 26.24 Mbit/s
95th percentile per-packet one-way delay: 29.150 ms
Loss rate: 2.12%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-02 13:04:13

End at: 2018-01-02 13:04:43

Local clock offset: -1.463 ms

Remote clock offset: -13.896 ms

Below is generated by plot.py at 2018-01-02 13:48:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.85 Mbit/s

95th percentile per-packet one-way delay: 30.226 ms

Loss rate: 1.73%

-- Flow 1:

Average throughput: 68.36 Mbit/s

95th percentile per-packet one-way delay: 30.242 ms

Loss rate: 1.69%

-- Flow 2:

Average throughput: 25.30 Mbit/s

95th percentile per-packet one-way delay: 30.265 ms

Loss rate: 1.93%

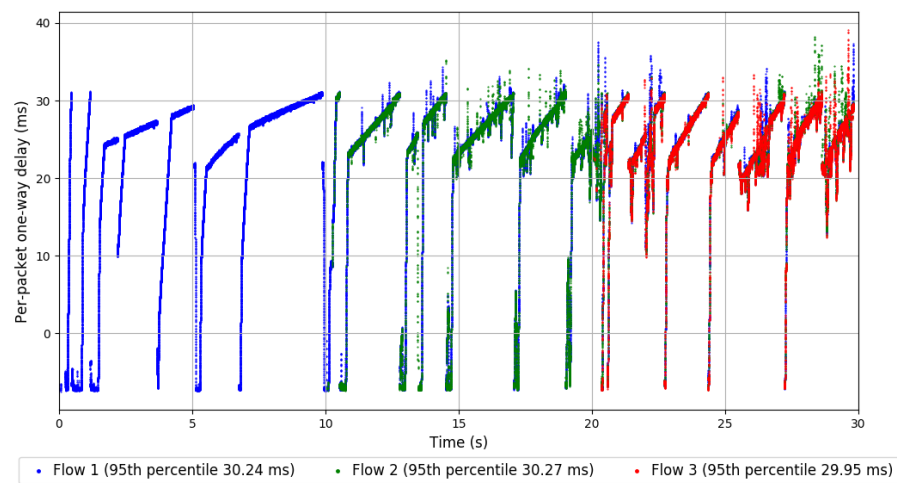
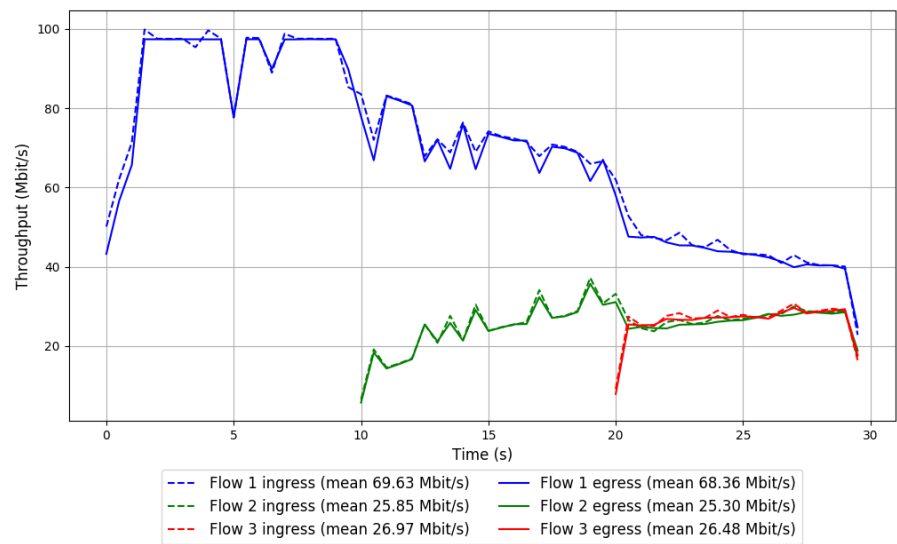
-- Flow 3:

Average throughput: 26.48 Mbit/s

95th percentile per-packet one-way delay: 29.949 ms

Loss rate: 1.72%

Run 10: Report of QUIC Cubic — Data Link

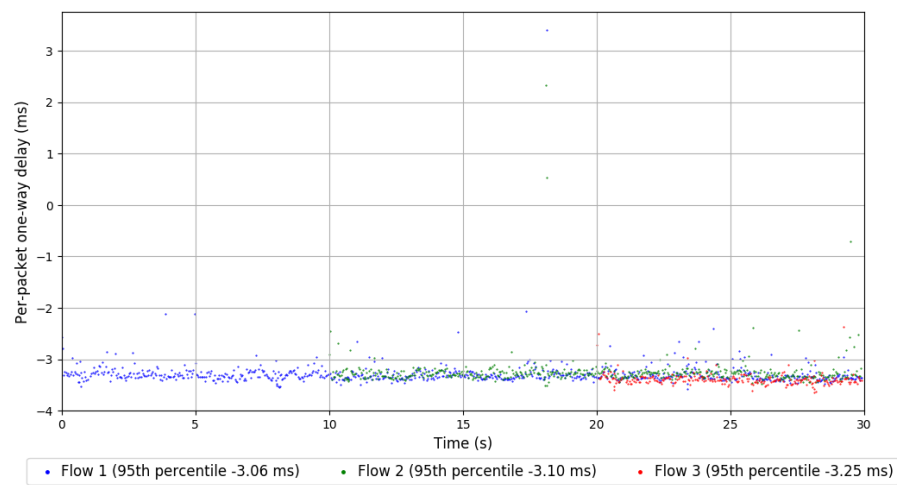
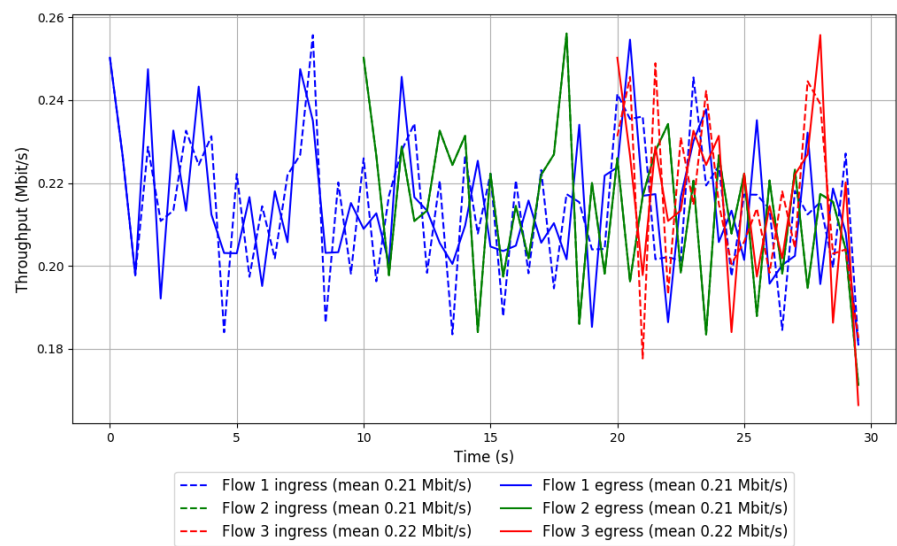


```
Run 1: Statistics of SReAM

Start at: 2018-01-02 10:32:01
End at: 2018-01-02 10:32:31
Local clock offset: -1.716 ms
Remote clock offset: -14.545 ms

# Below is generated by plot.py at 2018-01-02 13:48:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -3.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -3.055 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -3.102 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -3.255 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

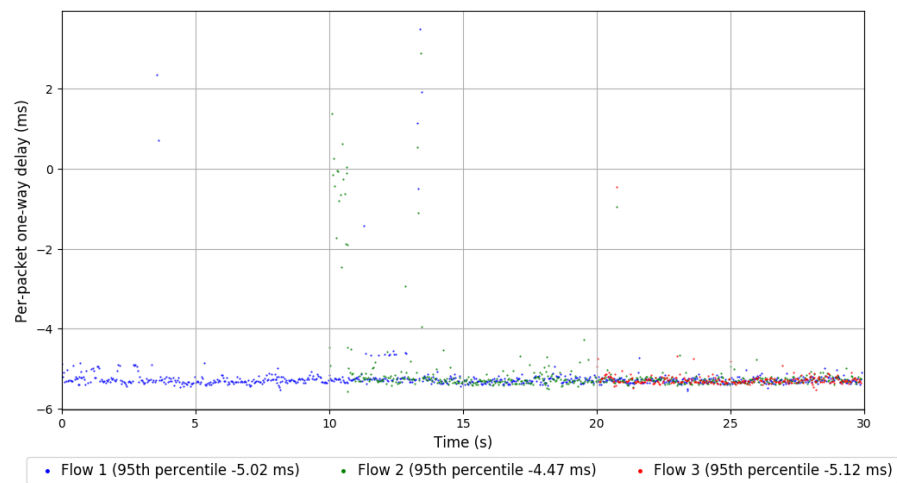
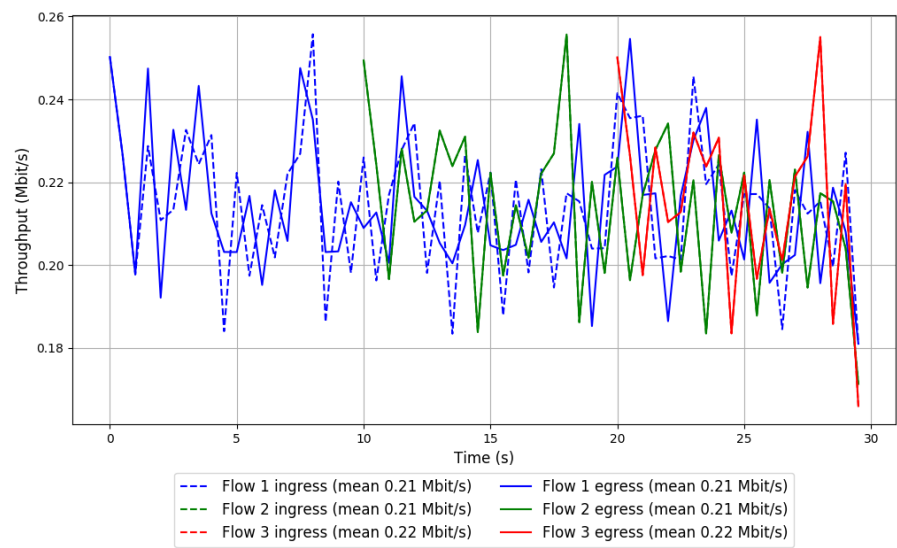


Run 2: Statistics of SReAM

Start at: 2018-01-02 10:49:41
End at: 2018-01-02 10:50:11
Local clock offset: 0.44 ms
Remote clock offset: -14.657 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -4.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.019 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.469 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -5.116 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

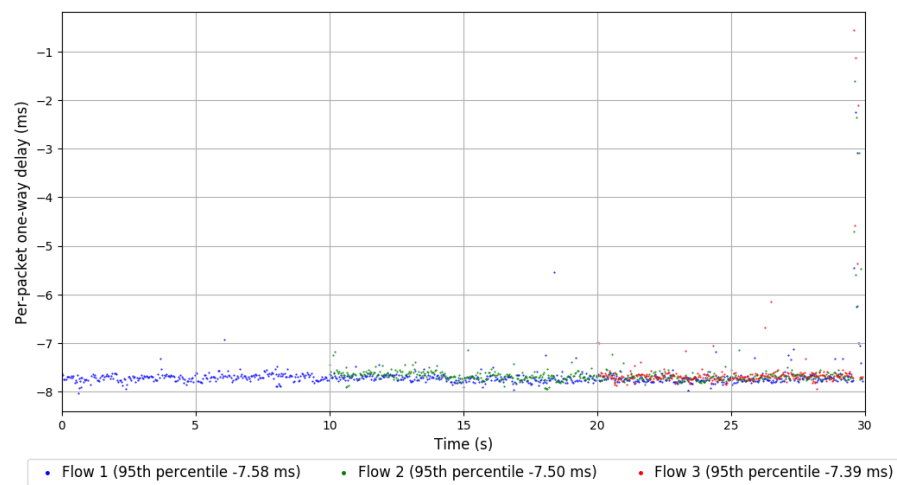
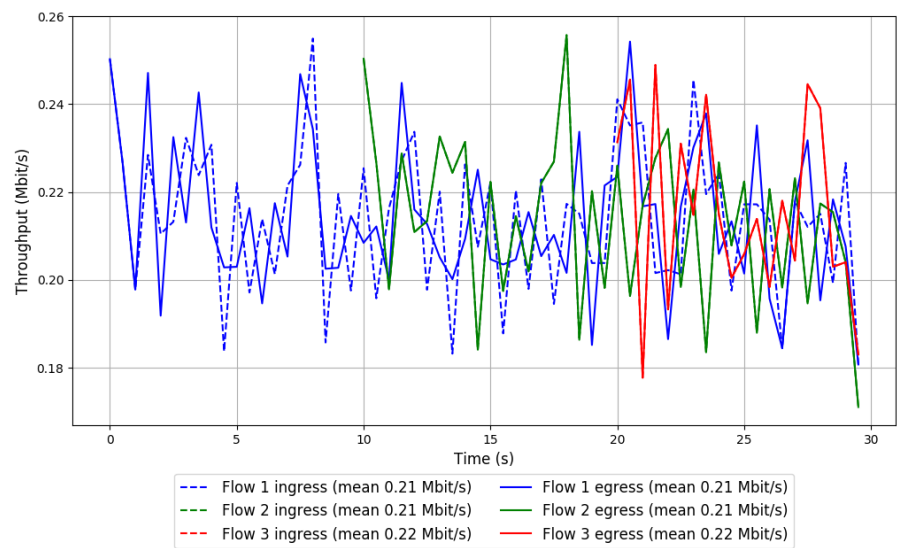


Run 3: Statistics of SReAM

Start at: 2018-01-02 11:07:36
End at: 2018-01-02 11:08:06
Local clock offset: 0.742 ms
Remote clock offset: -16.615 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -7.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.585 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.498 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.387 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

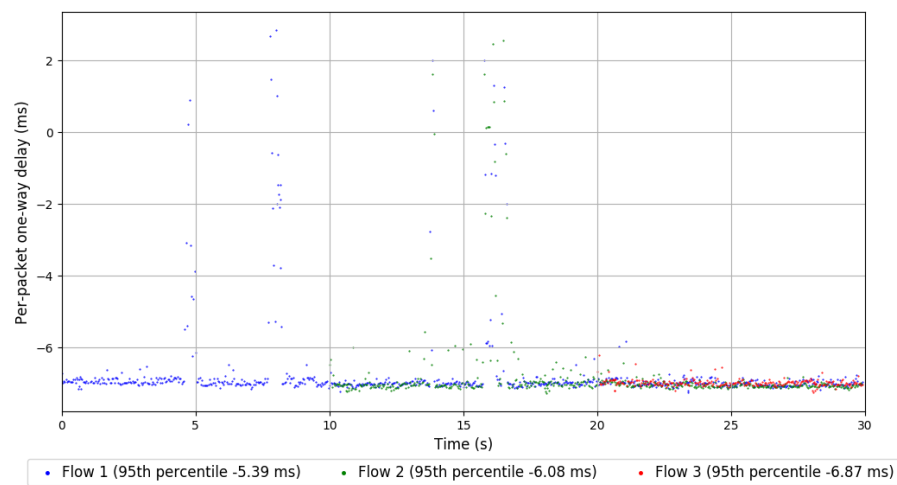
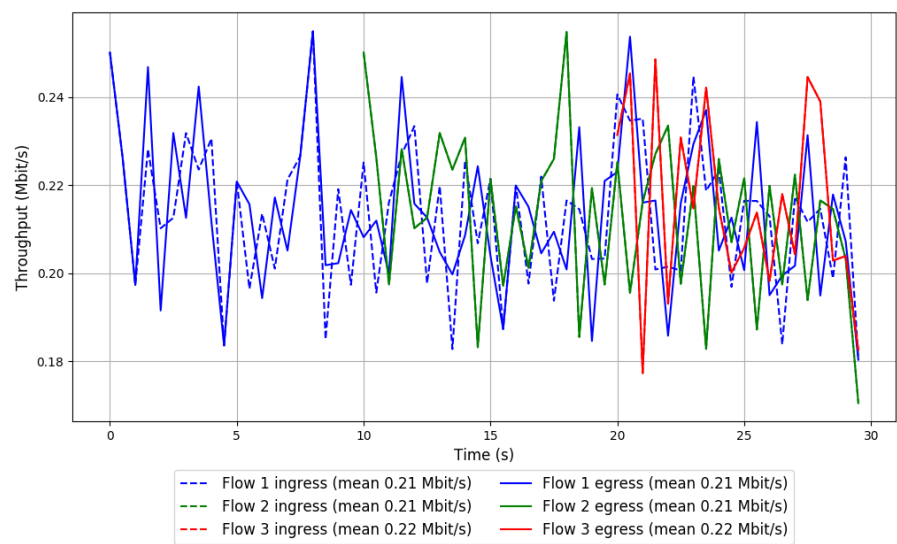


Run 4: Statistics of SReAM

Start at: 2018-01-02 11:25:20
End at: 2018-01-02 11:25:50
Local clock offset: -0.51 ms
Remote clock offset: -17.066 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -6.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.390 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.079 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -6.870 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

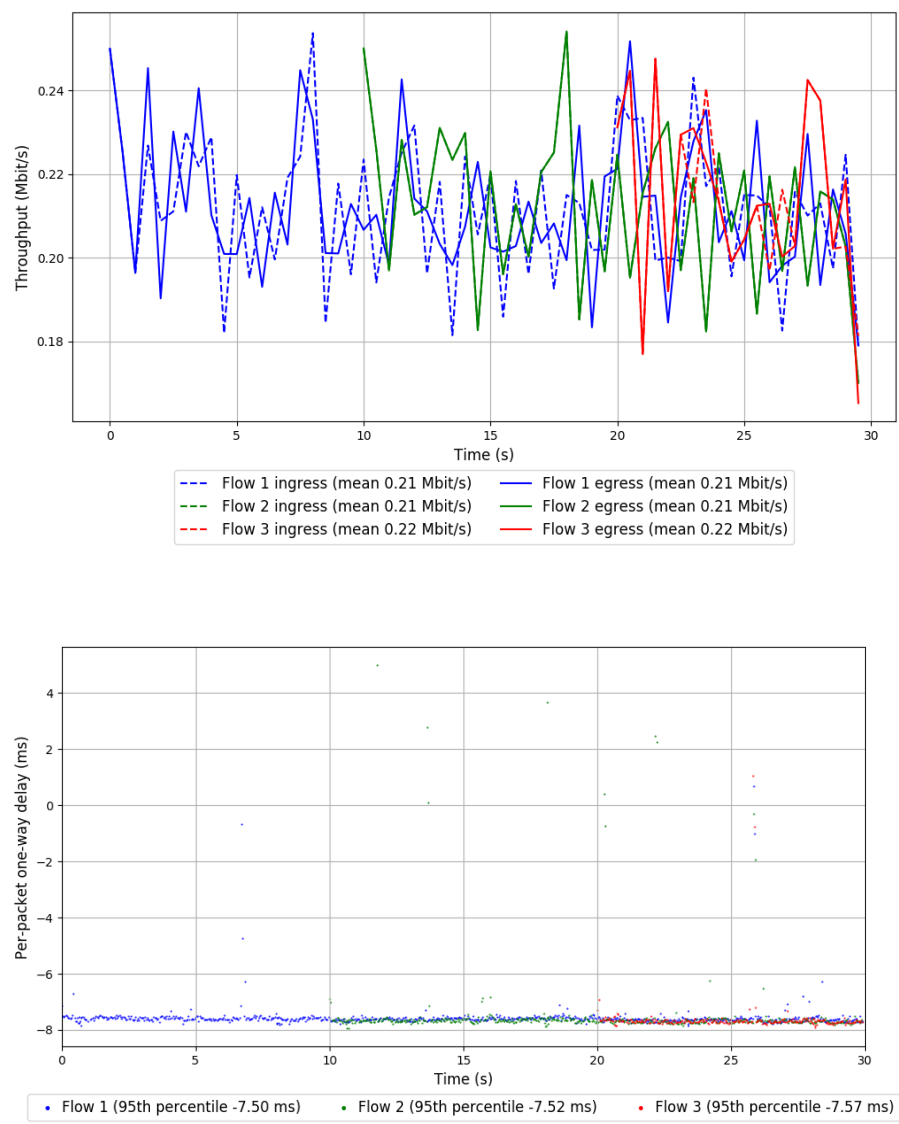


Run 5: Statistics of SReAM

Start at: 2018-01-02 11:42:55
End at: 2018-01-02 11:43:25
Local clock offset: 0.027 ms
Remote clock offset: -16.418 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -7.501 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.496 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.517 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.567 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

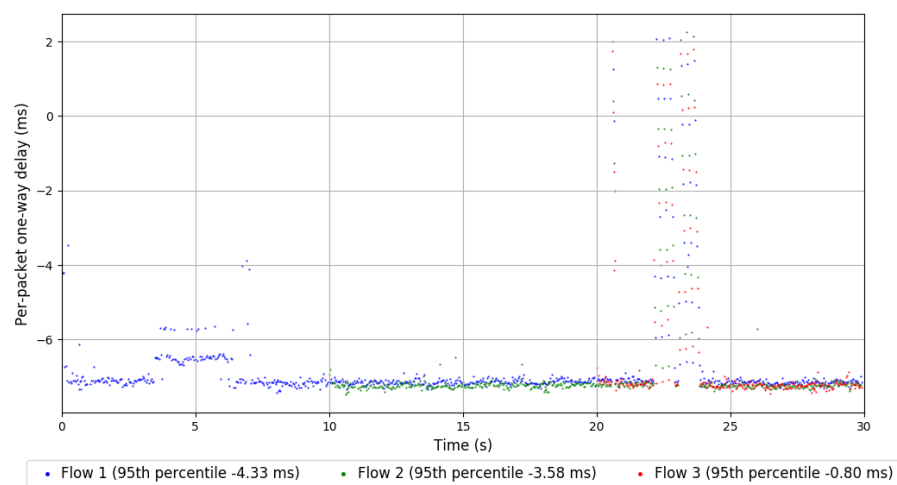
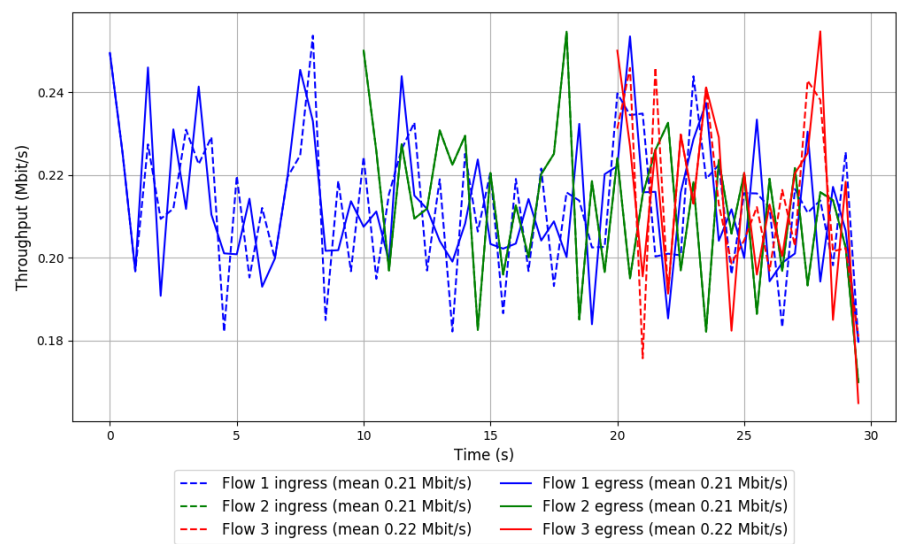


Run 6: Statistics of SReAM

Start at: 2018-01-02 12:00:34
End at: 2018-01-02 12:01:04
Local clock offset: -0.96 ms
Remote clock offset: -17.054 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -3.500 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.327 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -3.579 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -0.799 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

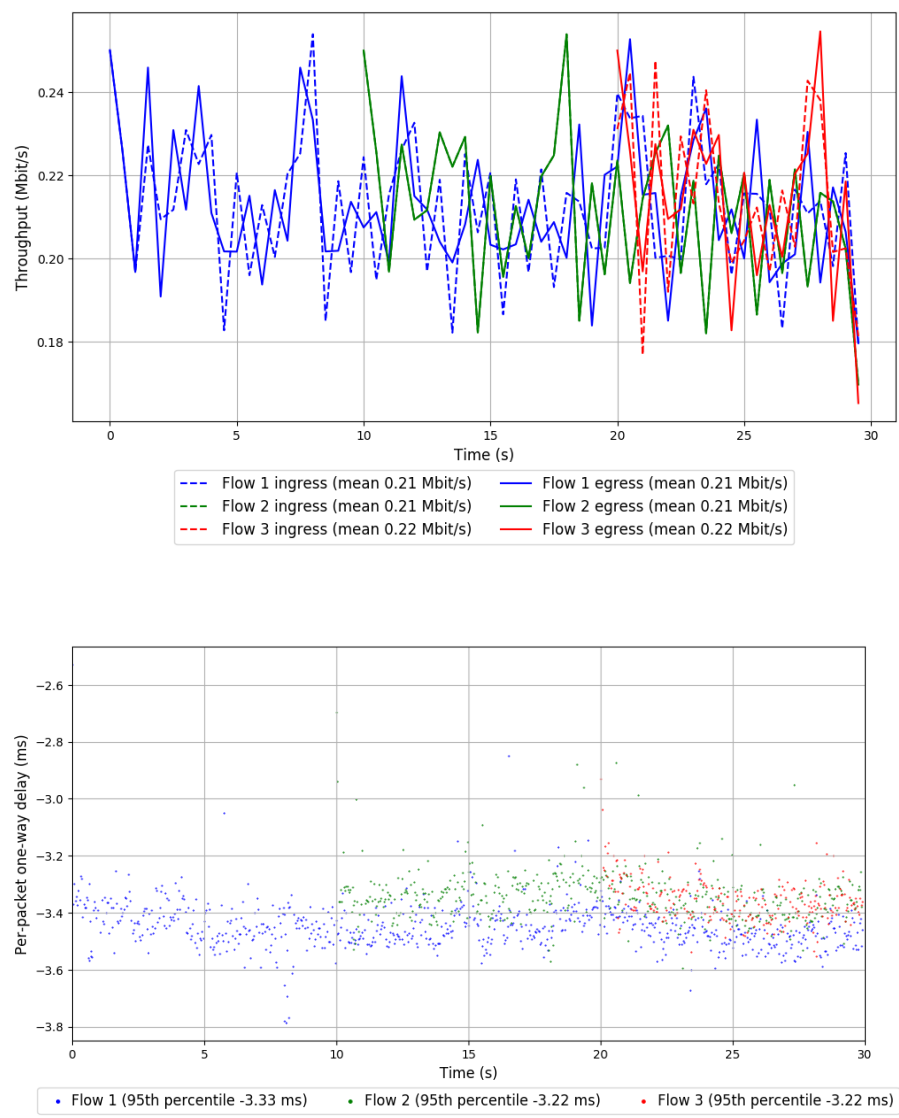


Run 7: Statistics of SReAM

Start at: 2018-01-02 12:18:21
End at: 2018-01-02 12:18:51
Local clock offset: -4.282 ms
Remote clock offset: -17.004 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -3.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -3.332 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -3.218 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -3.217 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

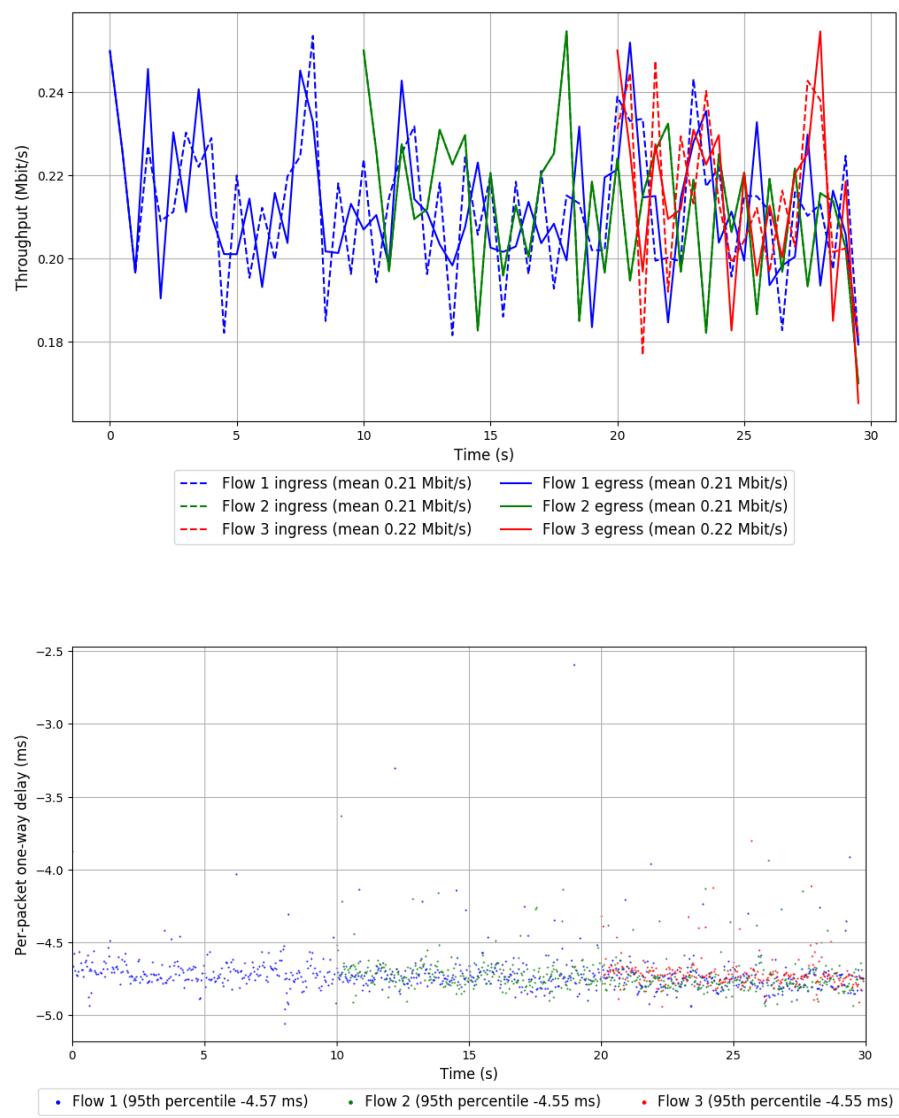


Run 8: Statistics of SReAM

Start at: 2018-01-02 12:35:55
End at: 2018-01-02 12:36:25
Local clock offset: -2.679 ms
Remote clock offset: -15.406 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -4.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.568 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.551 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -4.551 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

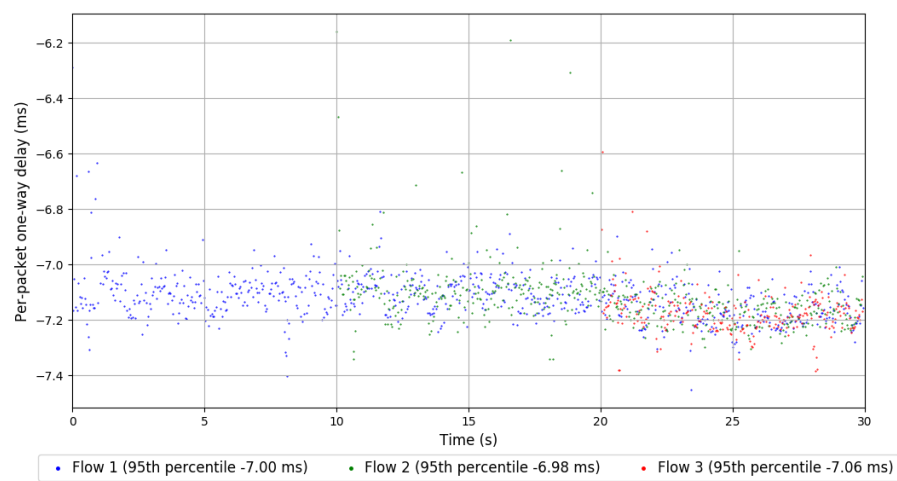
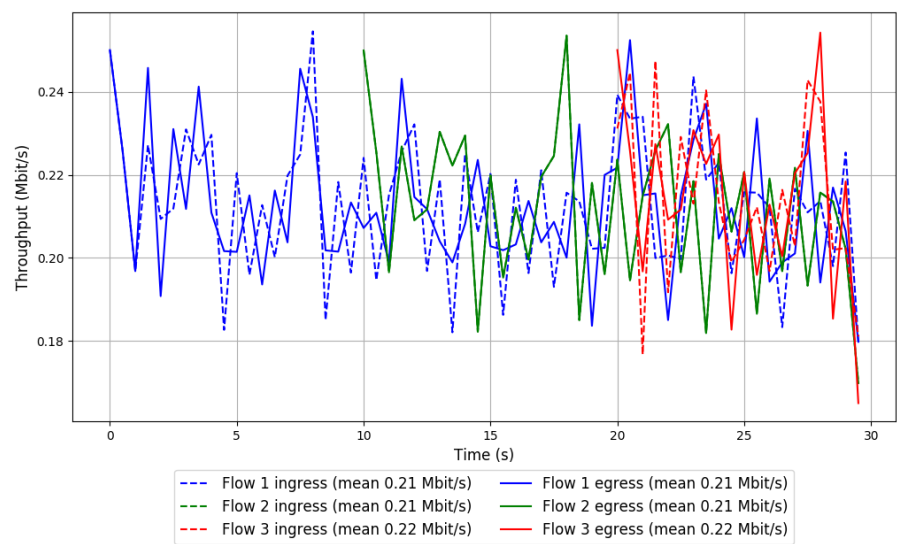


Run 9: Statistics of SReAM

Start at: 2018-01-02 12:53:39
End at: 2018-01-02 12:54:09
Local clock offset: -2.366 ms
Remote clock offset: -15.915 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -6.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.996 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.984 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.056 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

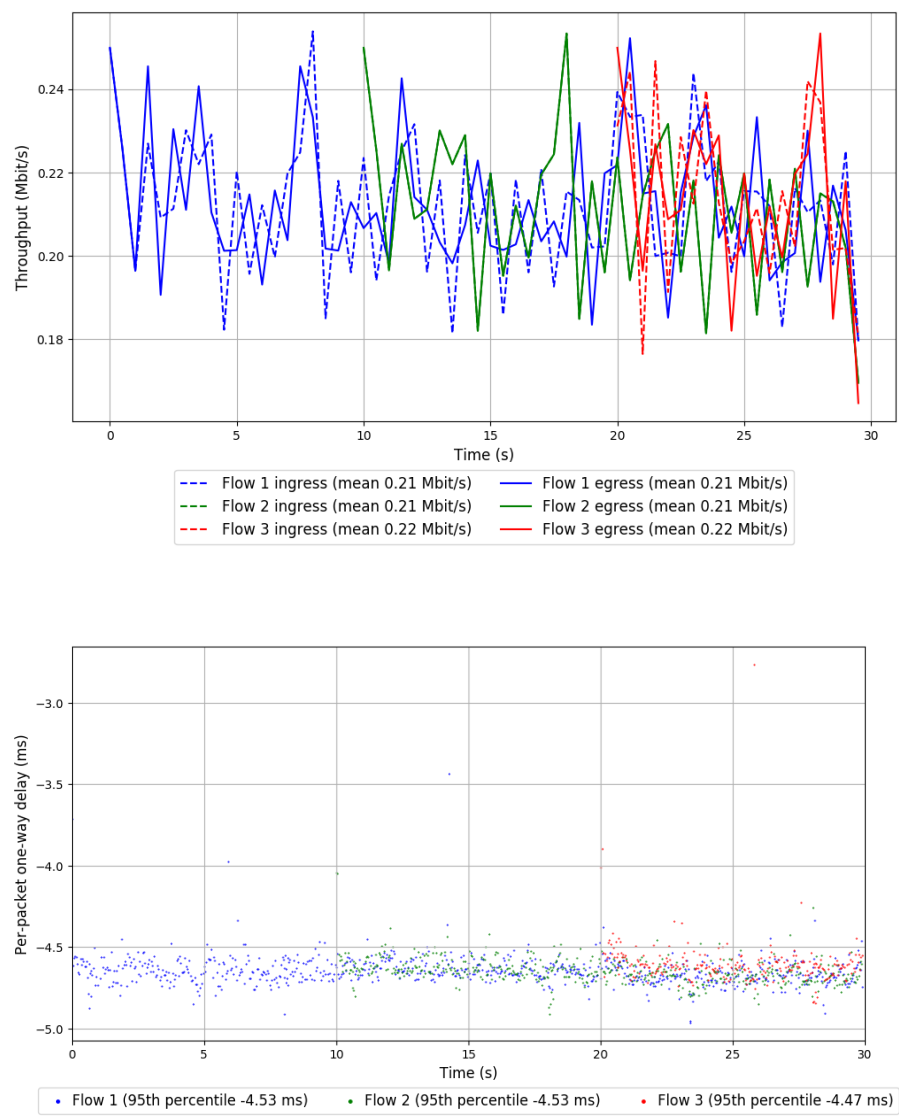


Run 10: Statistics of SReAM

Start at: 2018-01-02 13:11:25
End at: 2018-01-02 13:11:55
Local clock offset: -2.829 ms
Remote clock offset: -12.71 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -4.525 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.533 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.529 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -4.471 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

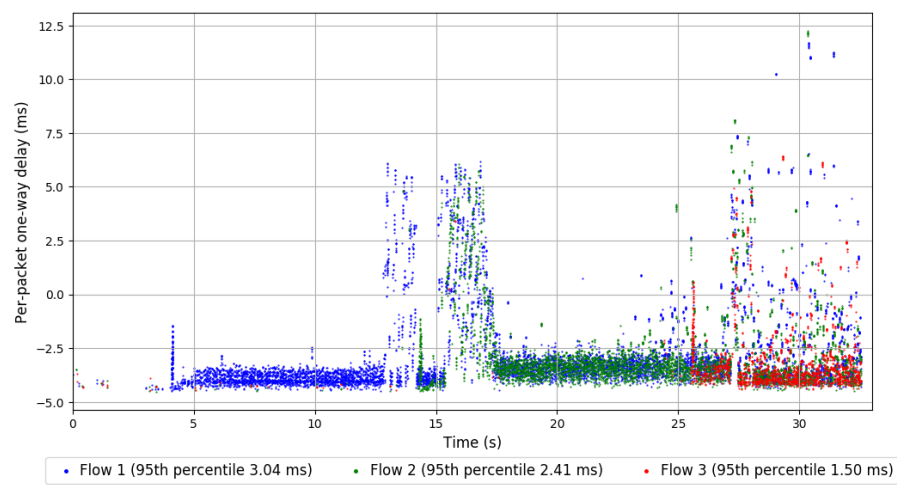
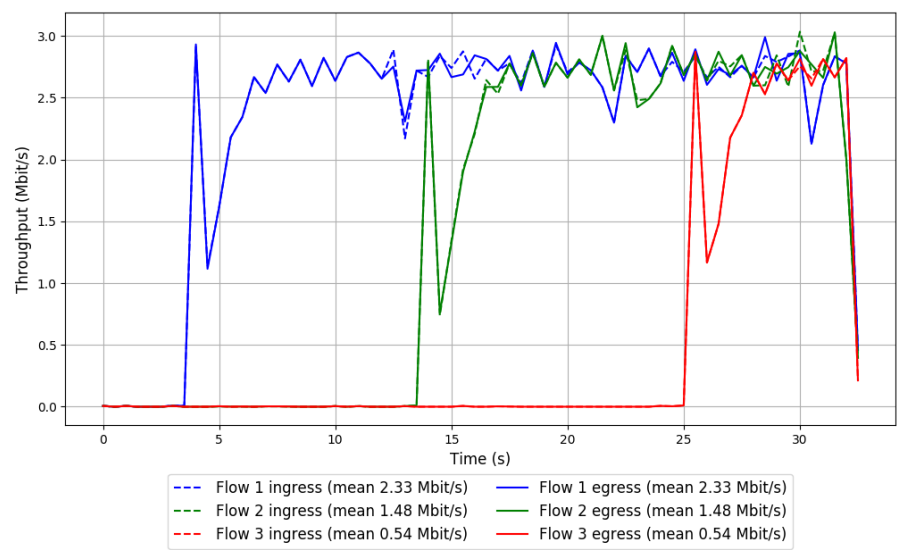


Run 1: Statistics of WebRTC media

Start at: 2018-01-02 10:19:08
End at: 2018-01-02 10:19:38
Local clock offset: 0.02 ms
Remote clock offset: -13.803 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 2.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 3.045 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 1.500 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

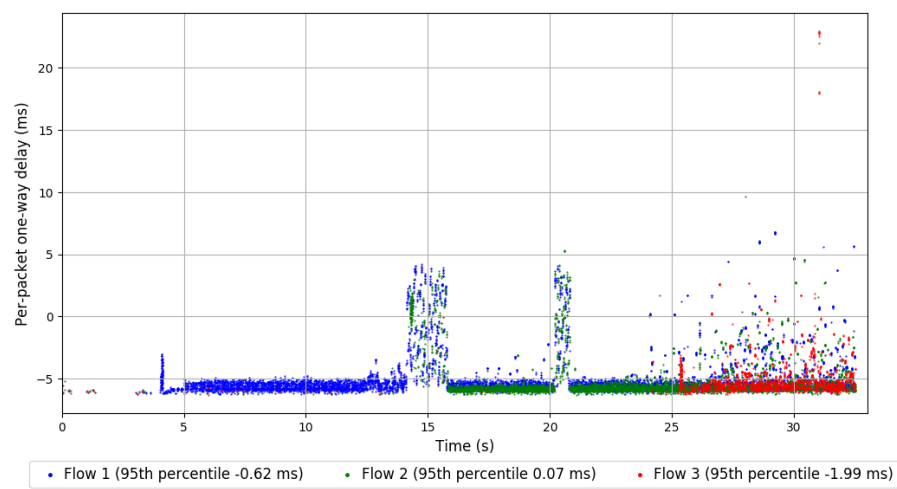
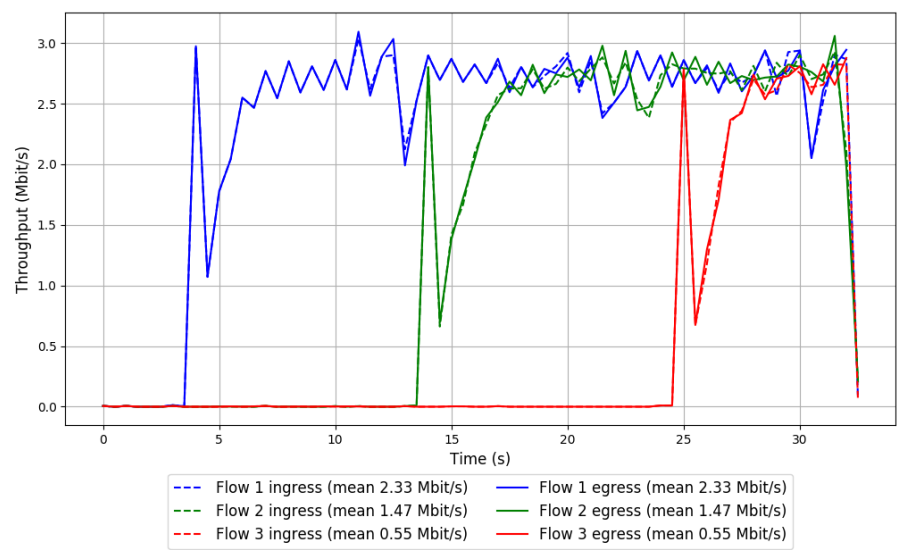


Run 2: Statistics of WebRTC media

Start at: 2018-01-02 10:36:42
End at: 2018-01-02 10:37:12
Local clock offset: 0.56 ms
Remote clock offset: -14.727 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: -0.416 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -0.620 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 0.074 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: -1.985 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

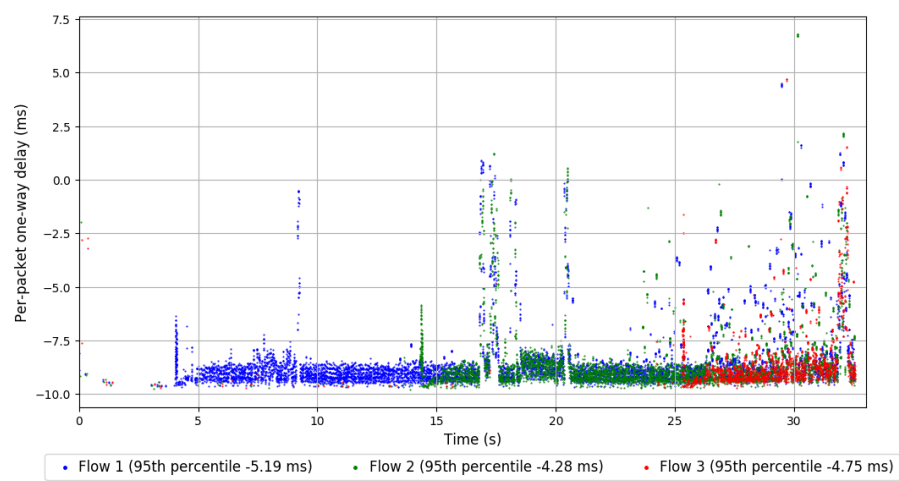
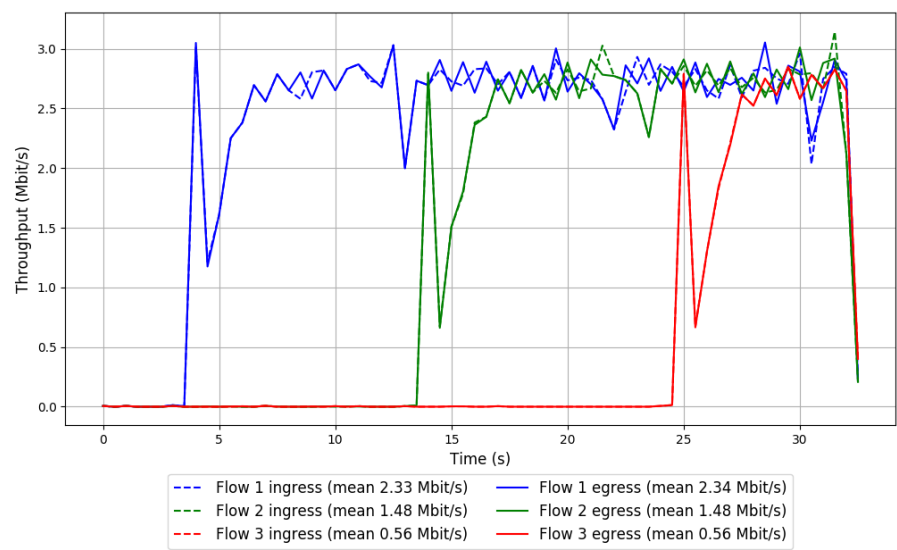


Run 3: Statistics of WebRTC media

Start at: 2018-01-02 10:54:28
End at: 2018-01-02 10:54:58
Local clock offset: 1.506 ms
Remote clock offset: -17.715 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: -4.844 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -5.189 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: -4.276 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: -4.745 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

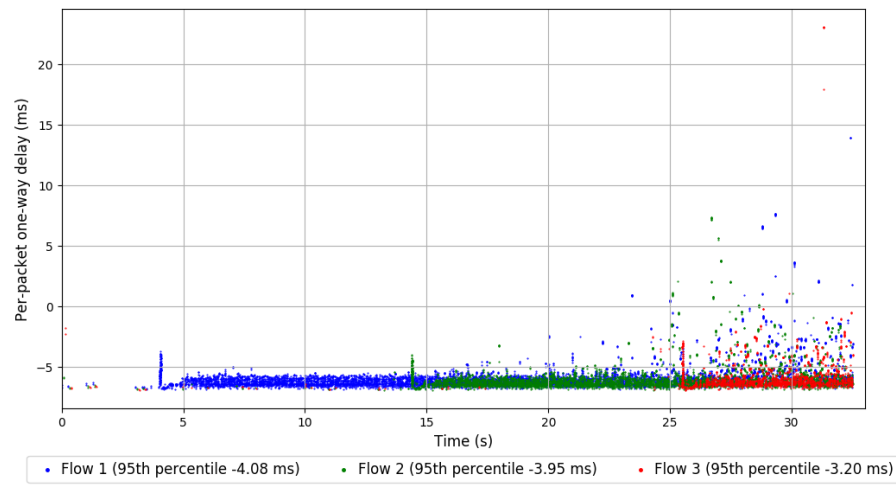
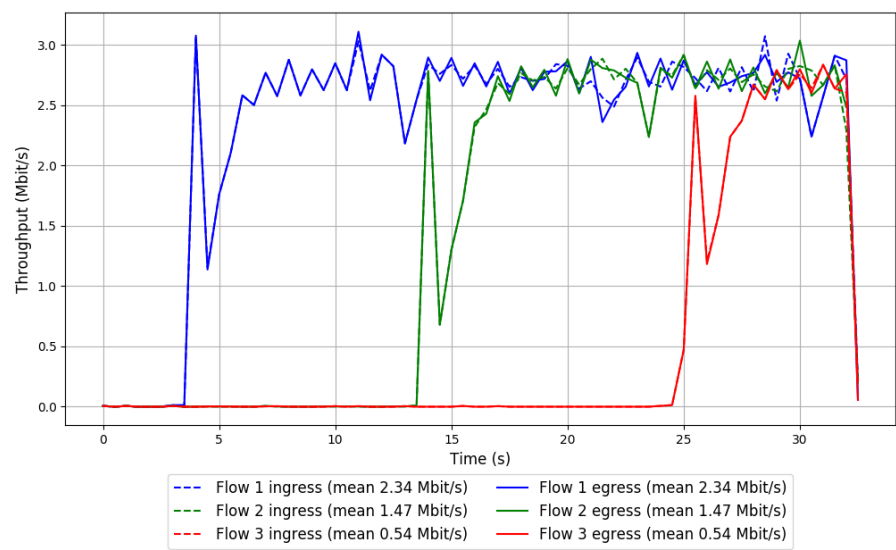


Run 4: Statistics of WebRTC media

Start at: 2018-01-02 11:12:17
End at: 2018-01-02 11:12:47
Local clock offset: 0.64 ms
Remote clock offset: -15.447 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: -3.742 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -4.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -3.946 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: -3.204 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

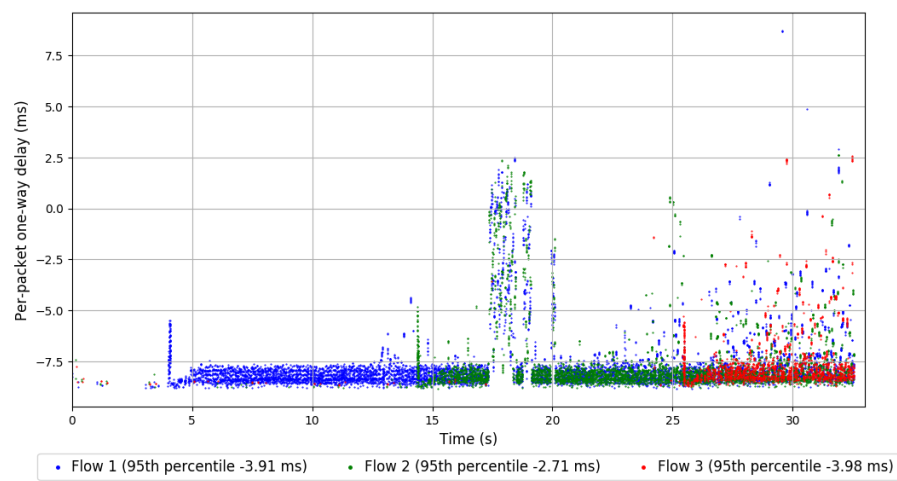
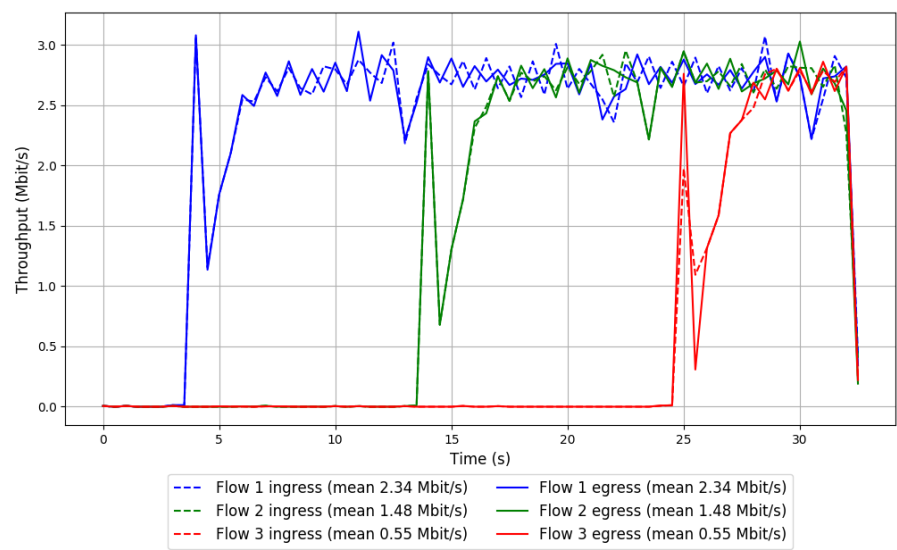


Run 5: Statistics of WebRTC media

Start at: 2018-01-02 11:30:03
End at: 2018-01-02 11:30:33
Local clock offset: 2.373 ms
Remote clock offset: -15.426 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: -3.551 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -3.909 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: -2.714 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: -3.979 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

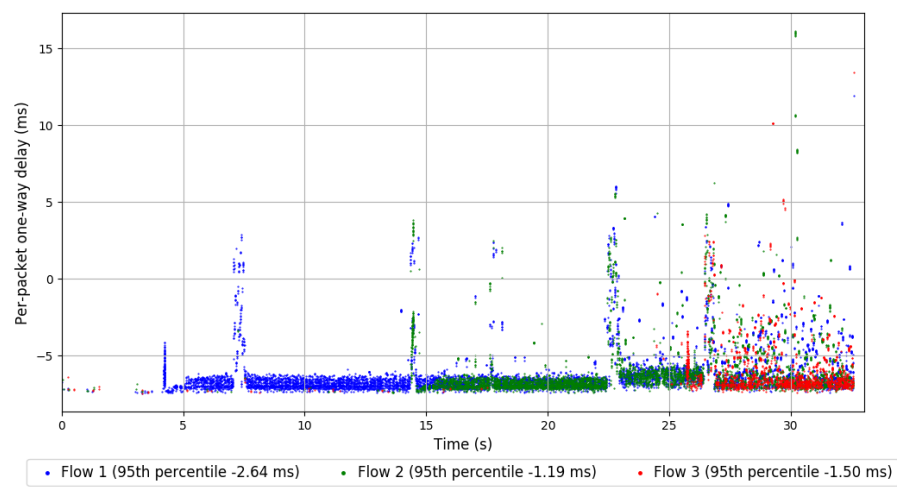
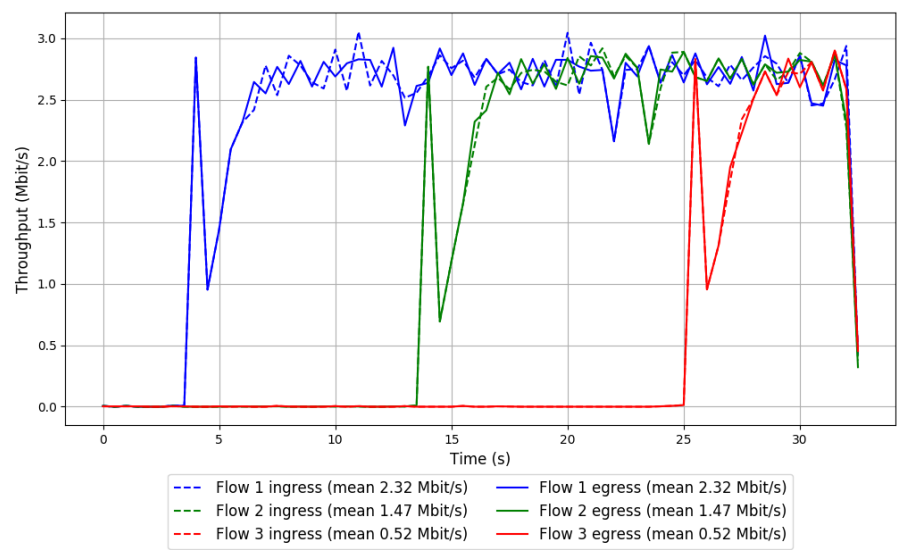


Run 6: Statistics of WebRTC media

Start at: 2018-01-02 11:47:41
End at: 2018-01-02 11:48:11
Local clock offset: 0.008 ms
Remote clock offset: -15.624 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: -1.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -2.639 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -1.192 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: -1.499 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

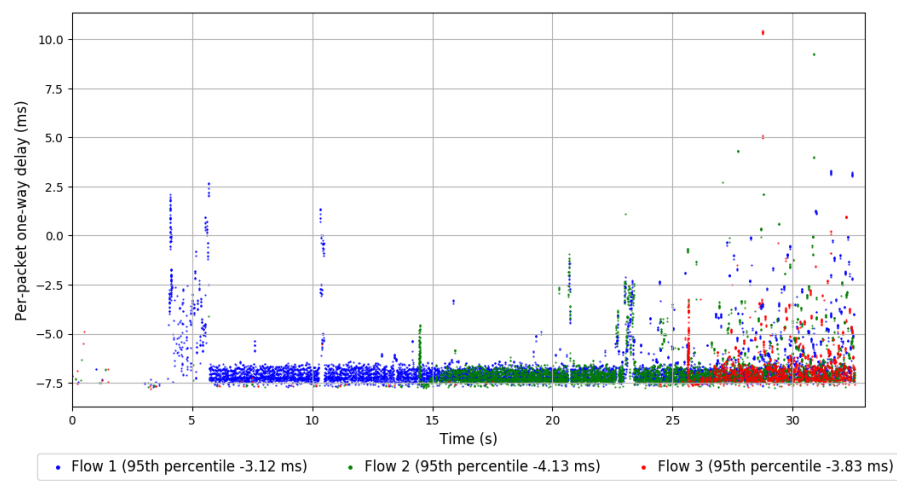
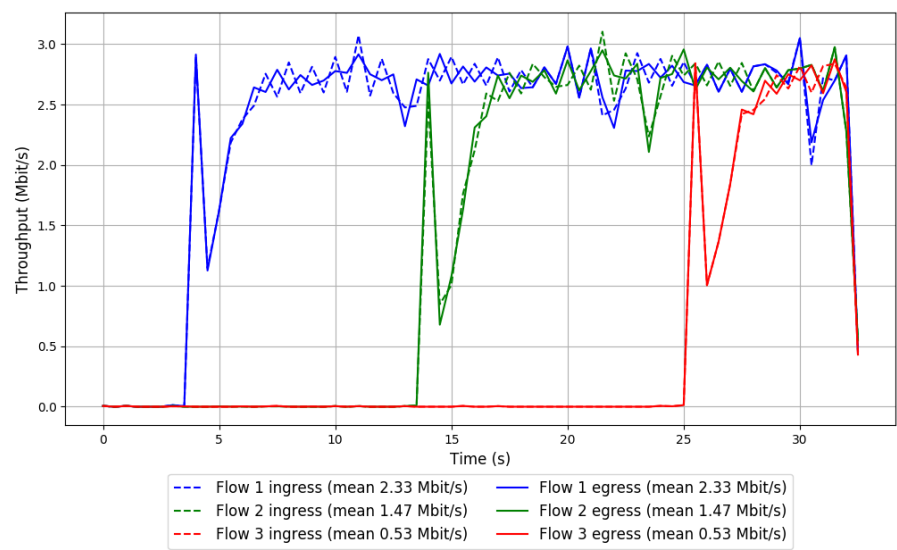


Run 7: Statistics of WebRTC media

Start at: 2018-01-02 12:05:16
End at: 2018-01-02 12:05:46
Local clock offset: 0.746 ms
Remote clock offset: -15.796 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: -3.546 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -3.124 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -4.128 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: -3.828 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

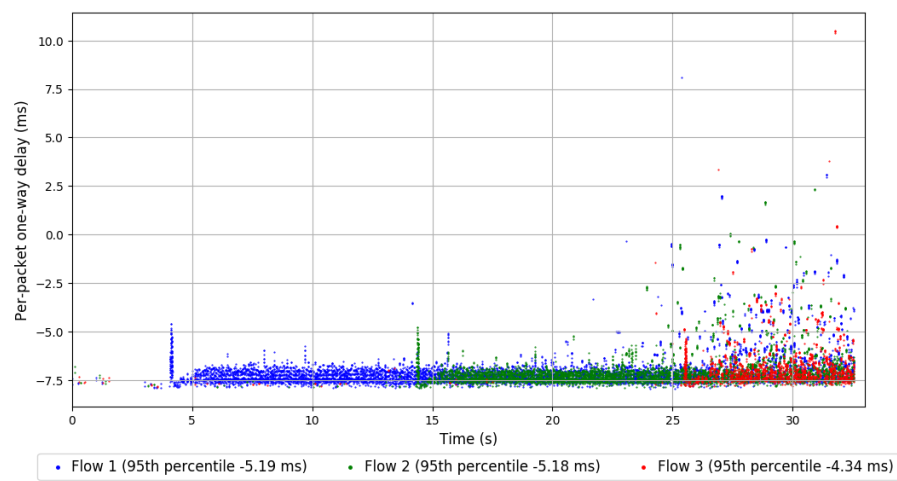
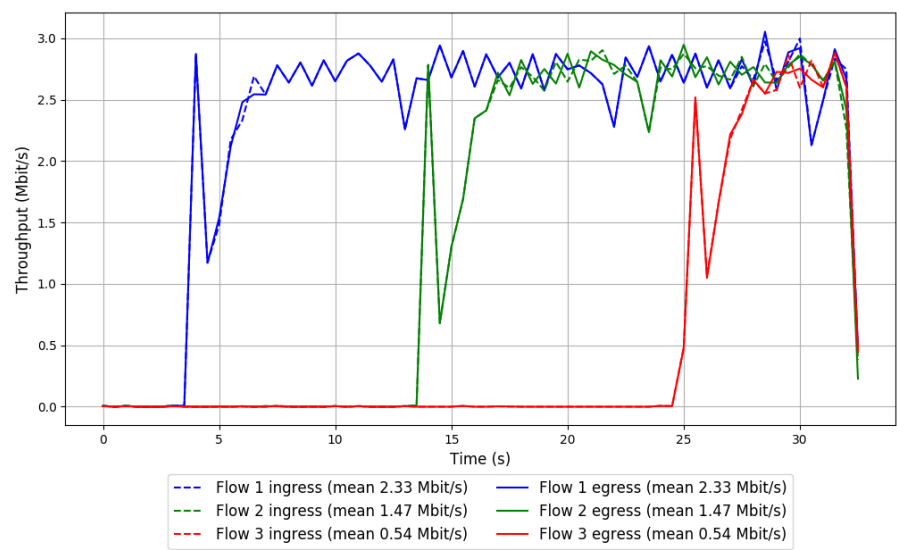


Run 8: Statistics of WebRTC media

Start at: 2018-01-02 12:23:03
End at: 2018-01-02 12:23:33
Local clock offset: 0.669 ms
Remote clock offset: -15.895 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: -4.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -5.191 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -5.180 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: -4.337 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

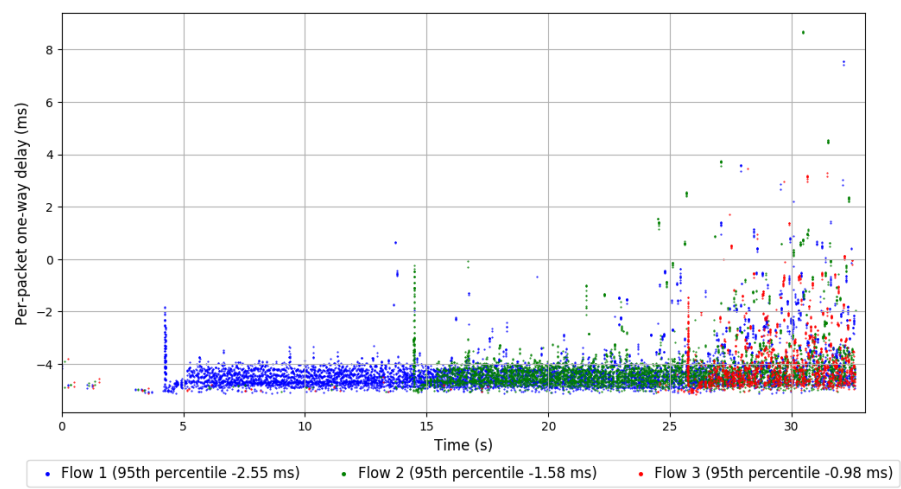
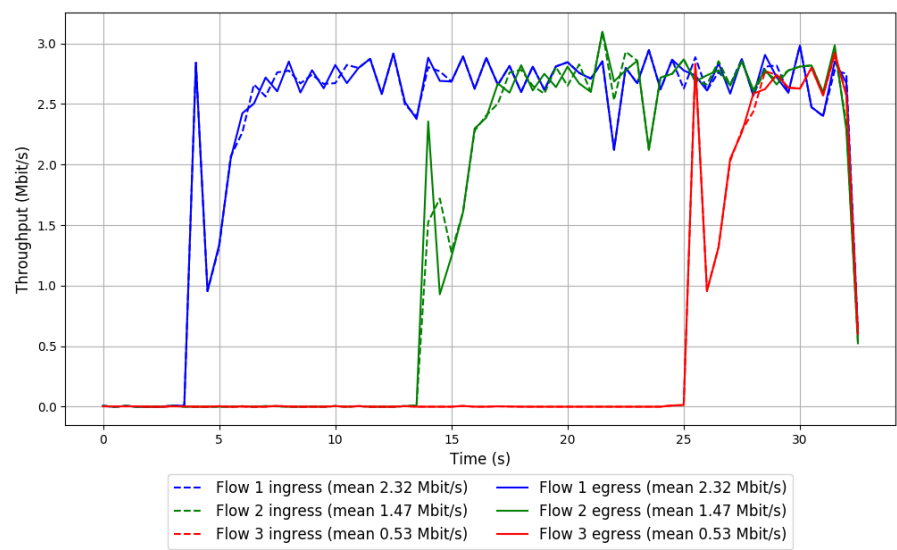


Run 9: Statistics of WebRTC media

Start at: 2018-01-02 12:40:41
End at: 2018-01-02 12:41:11
Local clock offset: -1.97 ms
Remote clock offset: -14.258 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: -2.082 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -2.550 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -1.580 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: -0.984 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

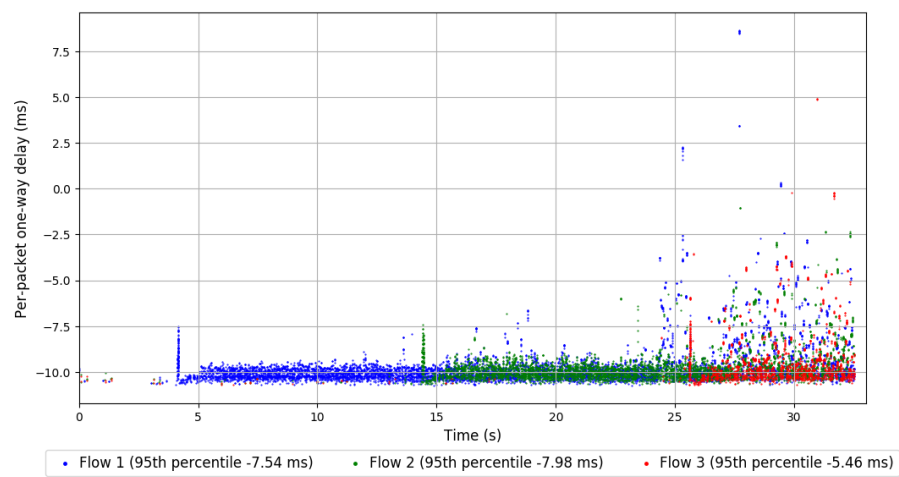
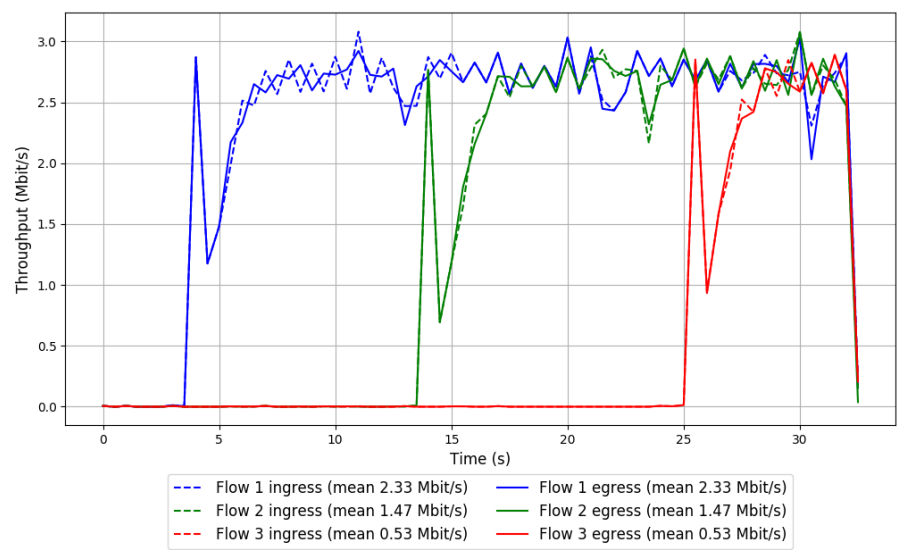


Run 10: Statistics of WebRTC media

Start at: 2018-01-02 12:58:24
End at: 2018-01-02 12:58:54
Local clock offset: 0.836 ms
Remote clock offset: -15.283 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: -7.377 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -7.542 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -7.979 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: -5.462 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

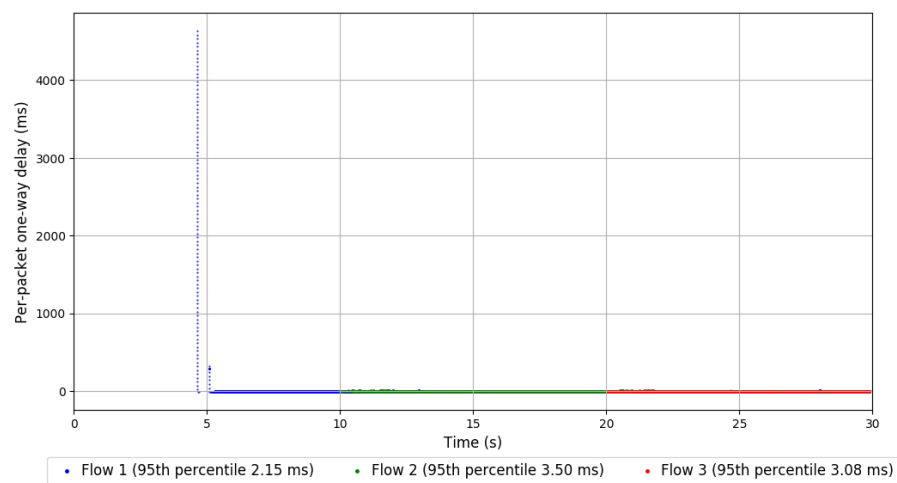
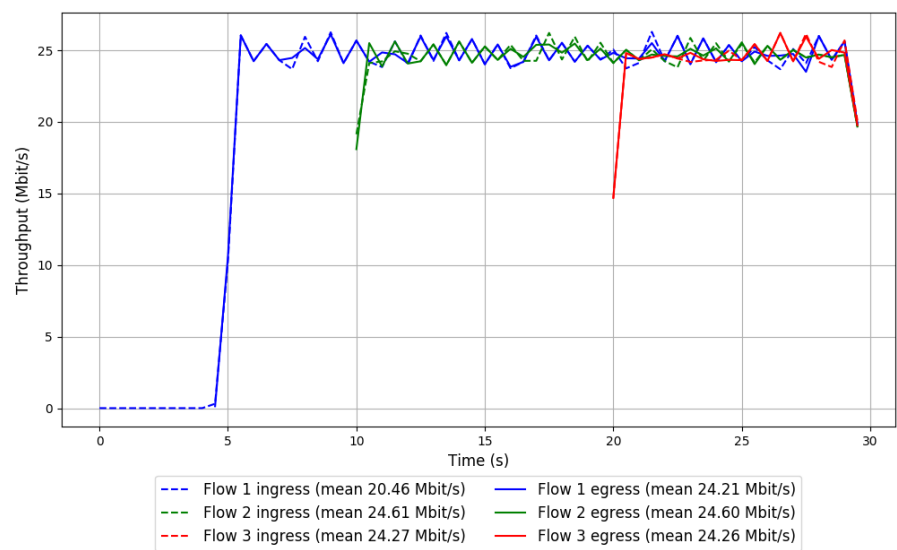


Run 1: Statistics of Sprout

Start at: 2018-01-02 10:28:25
End at: 2018-01-02 10:28:55
Local clock offset: 2.496 ms
Remote clock offset: -14.901 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.06 Mbit/s
95th percentile per-packet one-way delay: 2.890 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 2.148 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 3.499 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 3.080 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

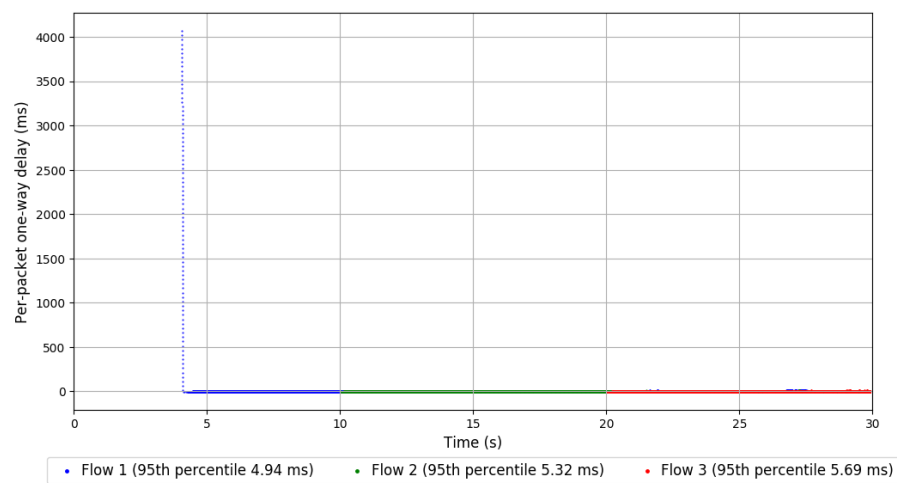
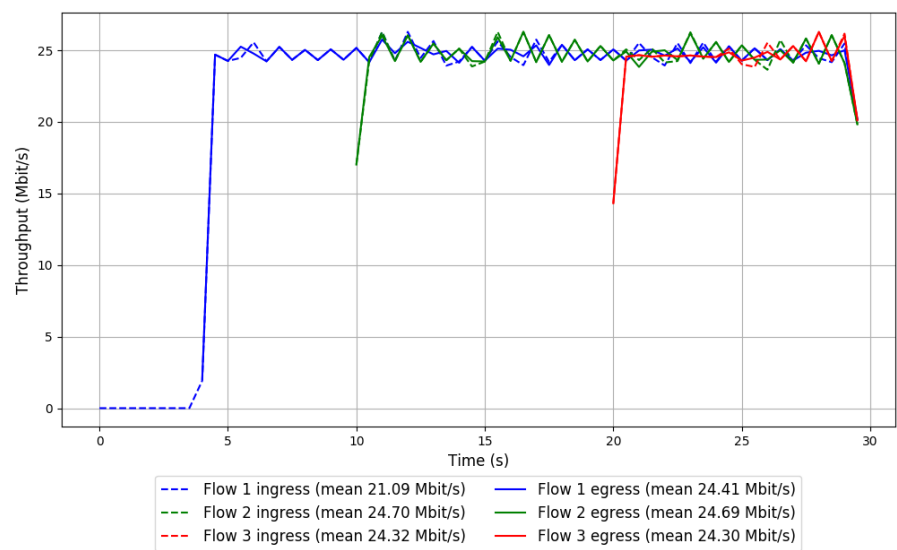


Run 2: Statistics of Sprout

Start at: 2018-01-02 10:46:10
End at: 2018-01-02 10:46:40
Local clock offset: -0.502 ms
Remote clock offset: -14.201 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.71 Mbit/s
95th percentile per-packet one-way delay: 5.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 4.943 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 5.323 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 5.687 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

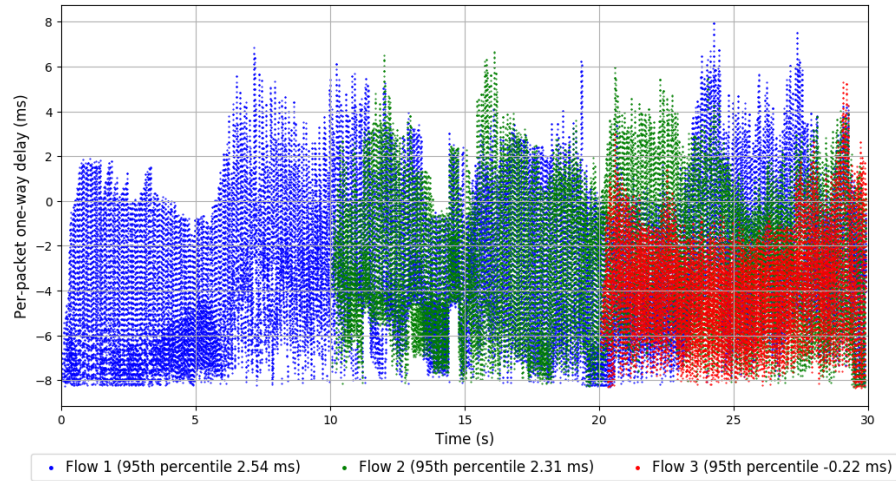
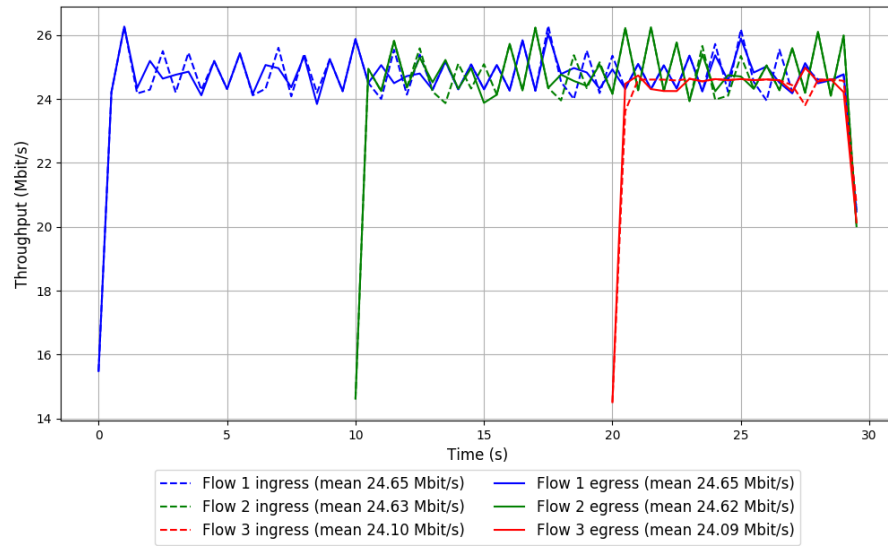


Run 3: Statistics of Sprout

Start at: 2018-01-02 11:04:02
End at: 2018-01-02 11:04:32
Local clock offset: 0.385 ms
Remote clock offset: -17.492 ms

```
# Below is generated by plot.py at 2018-01-02 13:48:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 2.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 2.535 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 2.310 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: -0.217 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

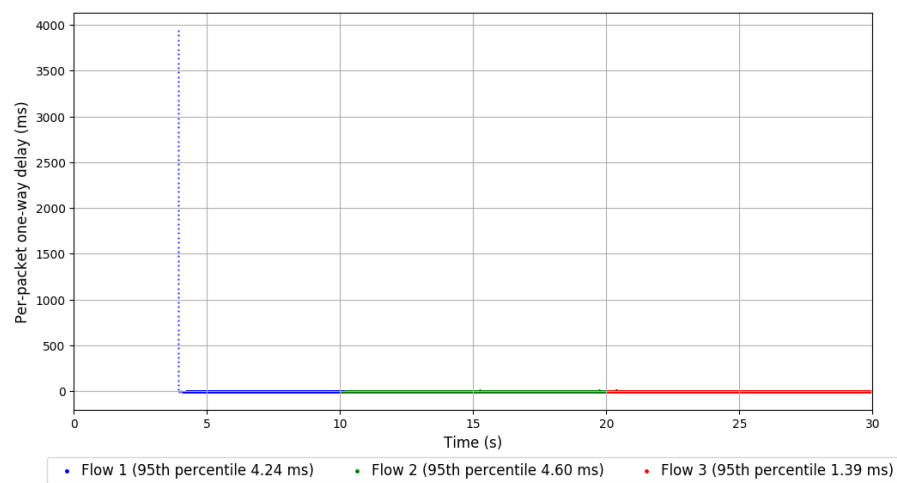
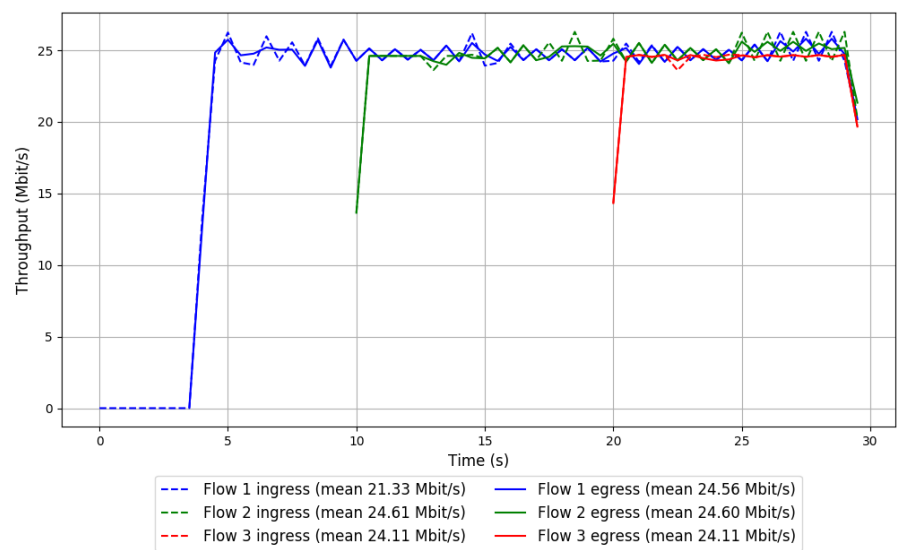


Run 4: Statistics of Sprout

Start at: 2018-01-02 11:21:46
End at: 2018-01-02 11:22:16
Local clock offset: -0.877 ms
Remote clock offset: -15.336 ms

```
# Below is generated by plot.py at 2018-01-02 13:48:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.55 Mbit/s
95th percentile per-packet one-way delay: 4.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 4.235 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 4.604 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 1.385 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

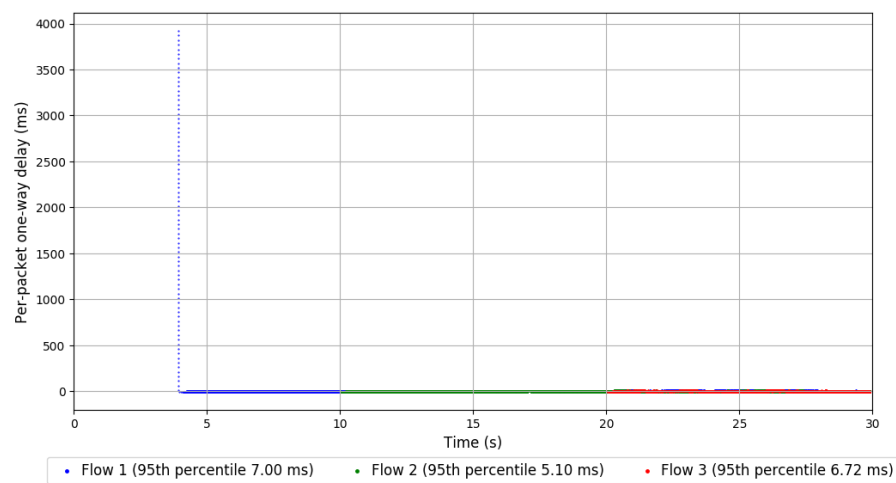
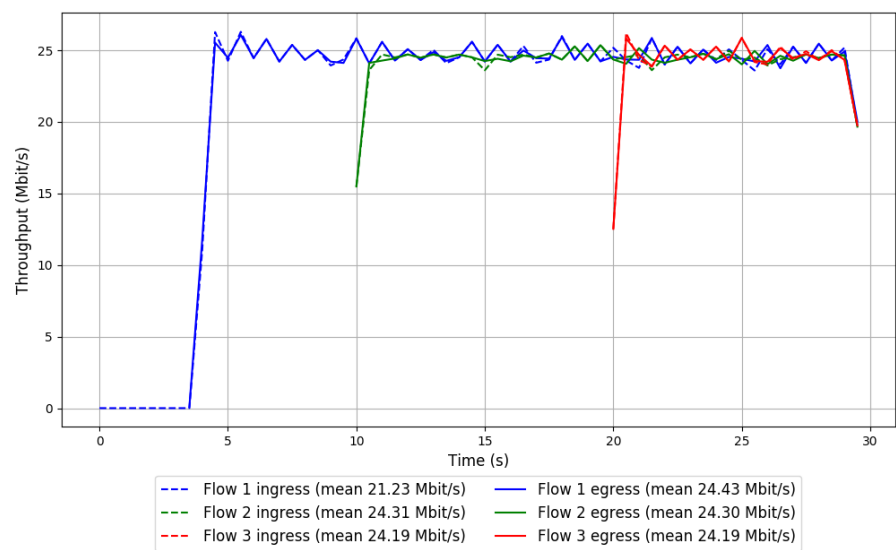


Run 5: Statistics of Sprout

Start at: 2018-01-02 11:39:21
End at: 2018-01-02 11:39:51
Local clock offset: -1.055 ms
Remote clock offset: -14.821 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.22 Mbit/s
95th percentile per-packet one-way delay: 6.441 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 6.998 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 5.102 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 6.717 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

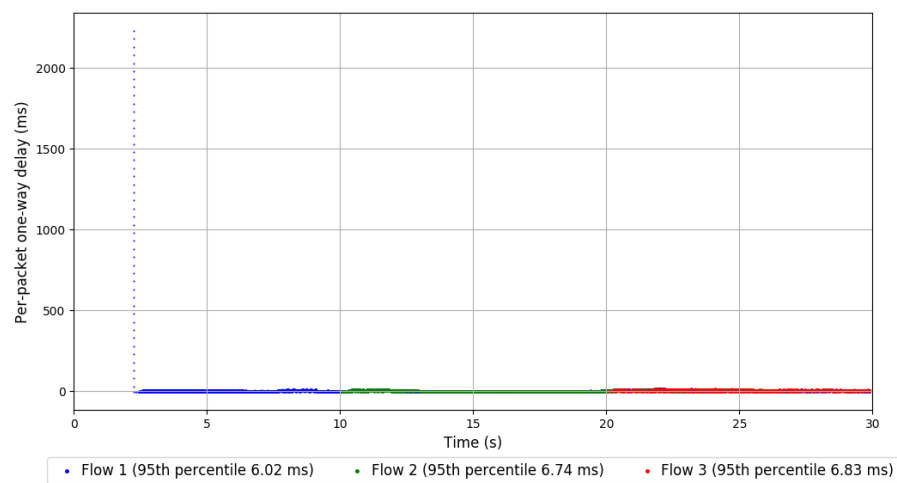
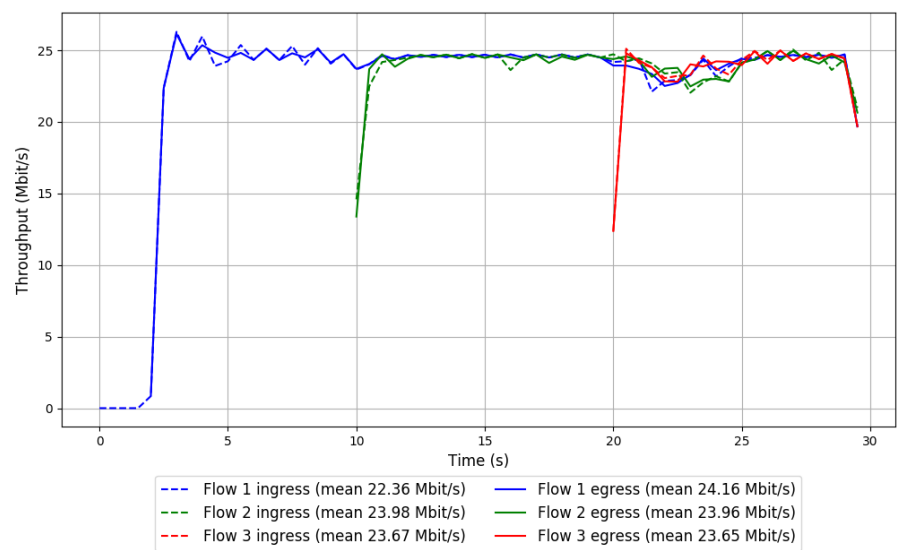


Run 6: Statistics of Sprout

Start at: 2018-01-02 11:57:01
End at: 2018-01-02 11:57:31
Local clock offset: -0.204 ms
Remote clock offset: -14.295 ms

Below is generated by plot.py at 2018-01-02 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.82 Mbit/s
95th percentile per-packet one-way delay: 6.453 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 6.022 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 6.738 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 23.65 Mbit/s
95th percentile per-packet one-way delay: 6.828 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

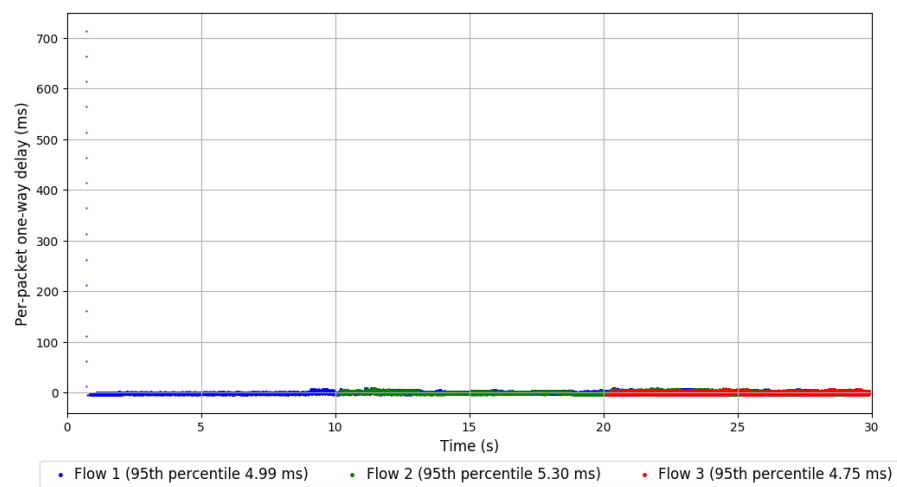
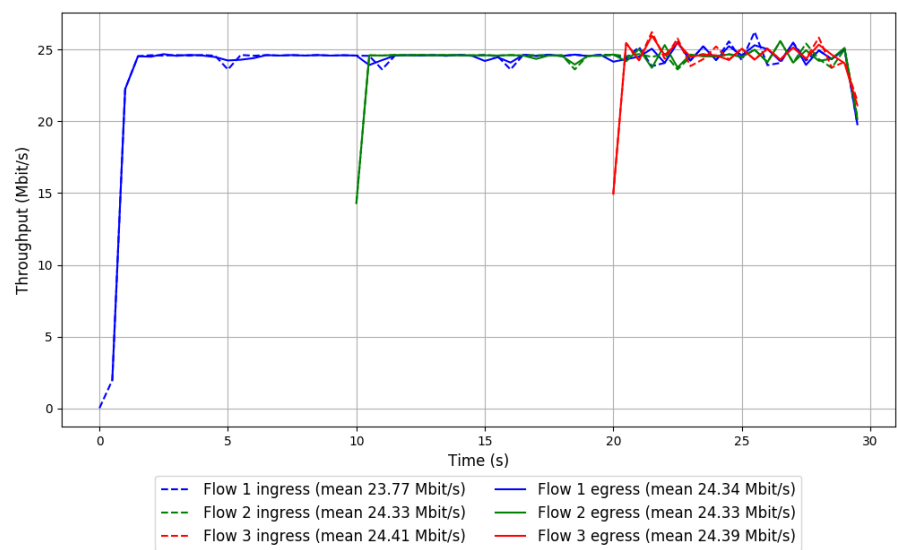


Run 7: Statistics of Sprout

Start at: 2018-01-02 12:14:47
End at: 2018-01-02 12:15:17
Local clock offset: -3.28 ms
Remote clock offset: -16.683 ms

Below is generated by plot.py at 2018-01-02 13:48:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 5.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 4.989 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 5.301 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 4.748 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

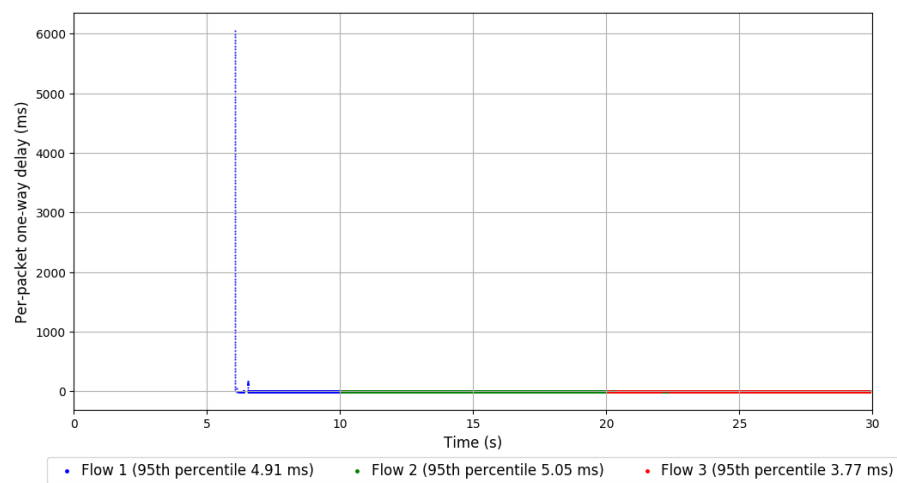
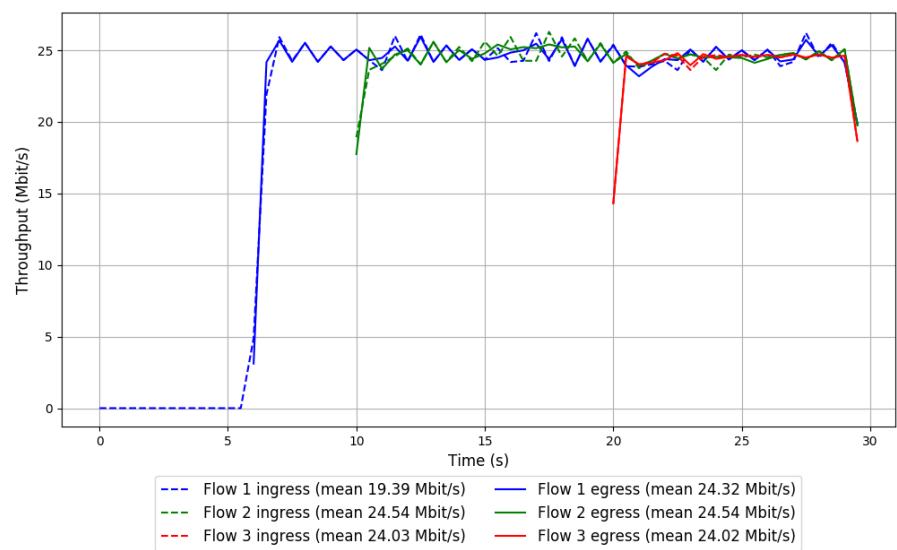
Start at: 2018-01-02 12:32:22

End at: 2018-01-02 12:32:52

Local clock offset: -2.641 ms

Remote clock offset: -15.849 ms

Run 8: Report of Sprout — Data Link

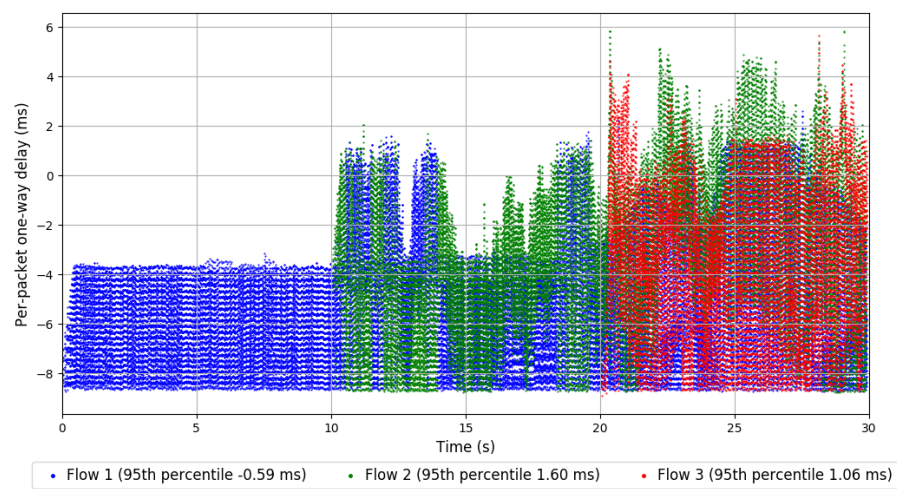
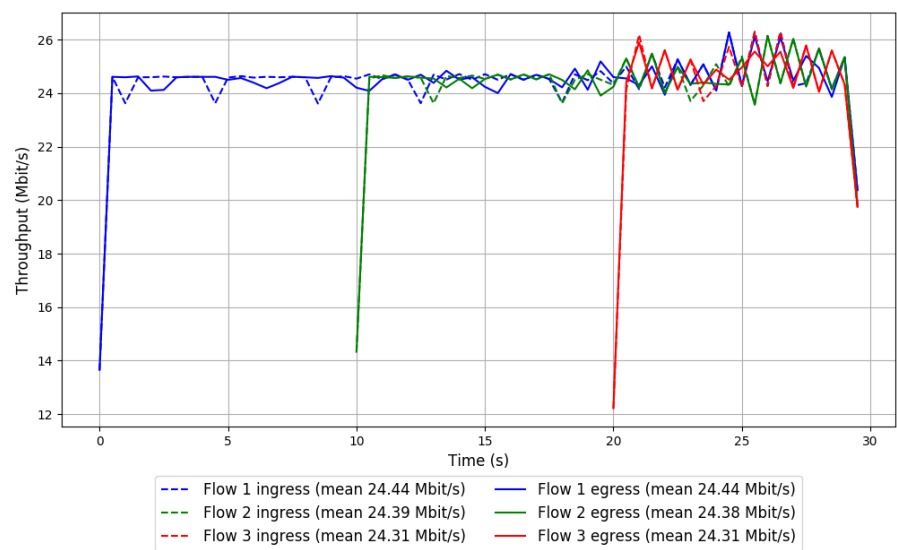


Run 9: Statistics of Sprout

Start at: 2018-01-02 12:50:00
End at: 2018-01-02 12:50:30
Local clock offset: 0.655 ms
Remote clock offset: -14.643 ms

Below is generated by plot.py at 2018-01-02 13:48:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.68 Mbit/s
95th percentile per-packet one-way delay: 0.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: -0.593 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 1.597 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 1.060 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

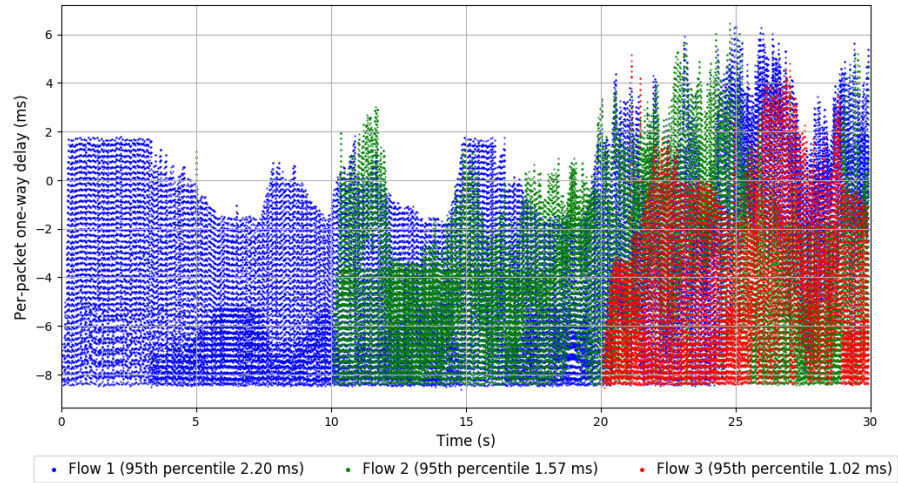
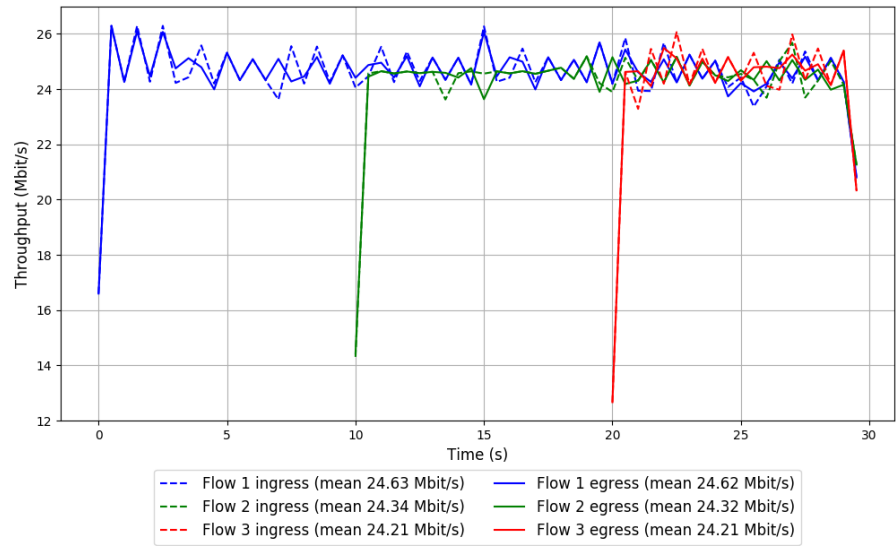


Run 10: Statistics of Sprout

Start at: 2018-01-02 13:07:49
End at: 2018-01-02 13:08:19
Local clock offset: -0.632 ms
Remote clock offset: -14.13 ms

```
# Below is generated by plot.py at 2018-01-02 13:49:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.80 Mbit/s
95th percentile per-packet one-way delay: 1.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 2.199 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 1.567 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 1.024 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

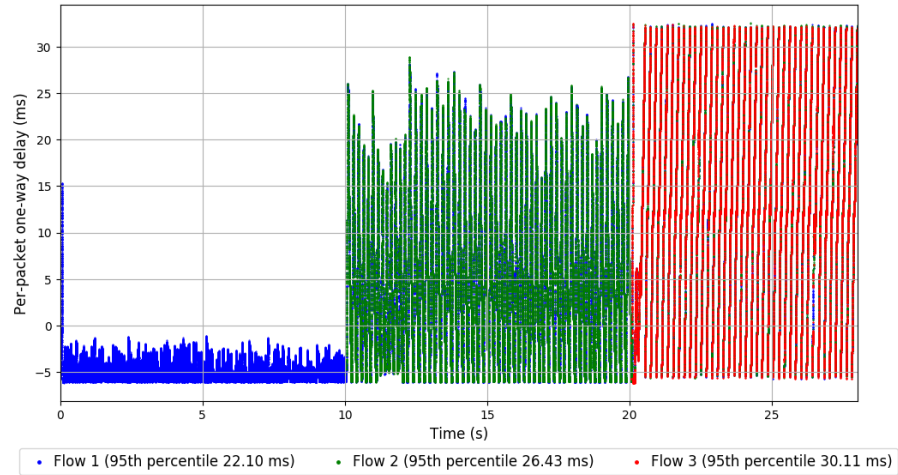
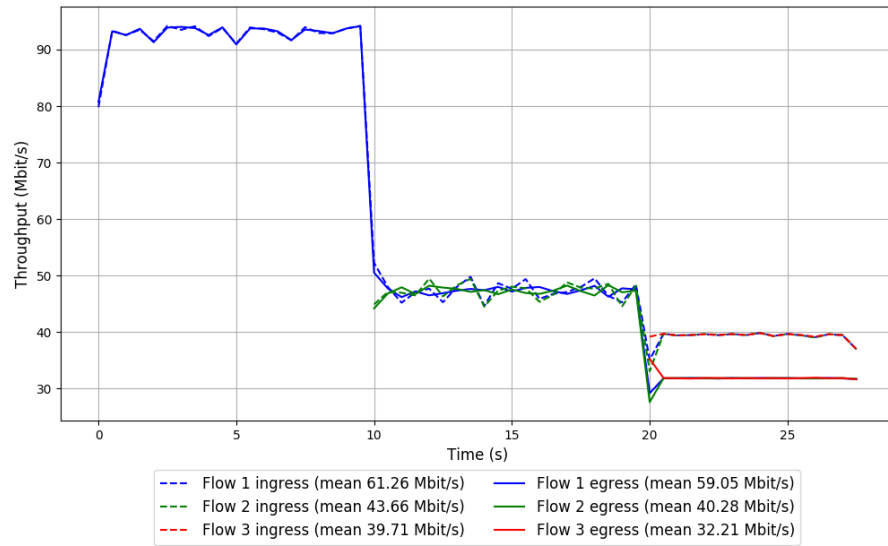


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-02 10:29:32
End at: 2018-01-02 10:30:02
Local clock offset: 1.035 ms
Remote clock offset: -14.485 ms

# Below is generated by plot.py at 2018-01-02 13:50:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 25.345 ms
Loss rate: 6.30%
-- Flow 1:
Average throughput: 59.05 Mbit/s
95th percentile per-packet one-way delay: 22.103 ms
Loss rate: 3.48%
-- Flow 2:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 26.428 ms
Loss rate: 7.57%
-- Flow 3:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 30.112 ms
Loss rate: 18.54%
```

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

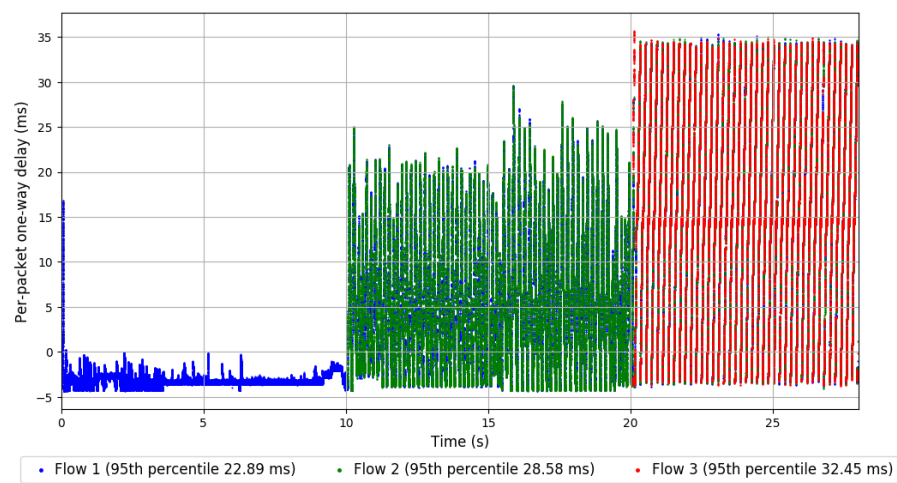
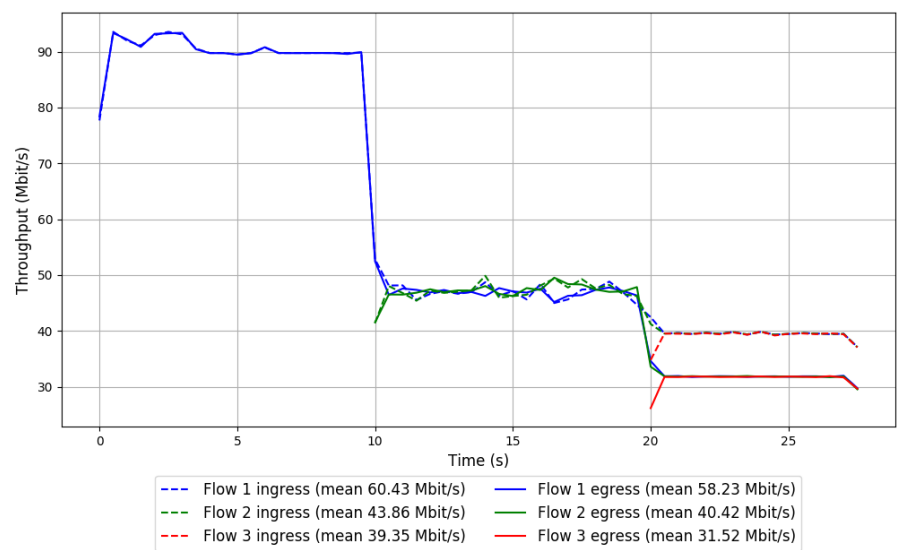


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-02 10:47:18
End at: 2018-01-02 10:47:48
Local clock offset: -1.787 ms
Remote clock offset: -15.551 ms

Below is generated by plot.py at 2018-01-02 13:50:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 27.442 ms
Loss rate: 6.64%
-- Flow 1:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: 22.895 ms
Loss rate: 3.64%
-- Flow 2:
Average throughput: 40.42 Mbit/s
95th percentile per-packet one-way delay: 28.577 ms
Loss rate: 7.83%
-- Flow 3:
Average throughput: 31.52 Mbit/s
95th percentile per-packet one-way delay: 32.450 ms
Loss rate: 19.85%

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

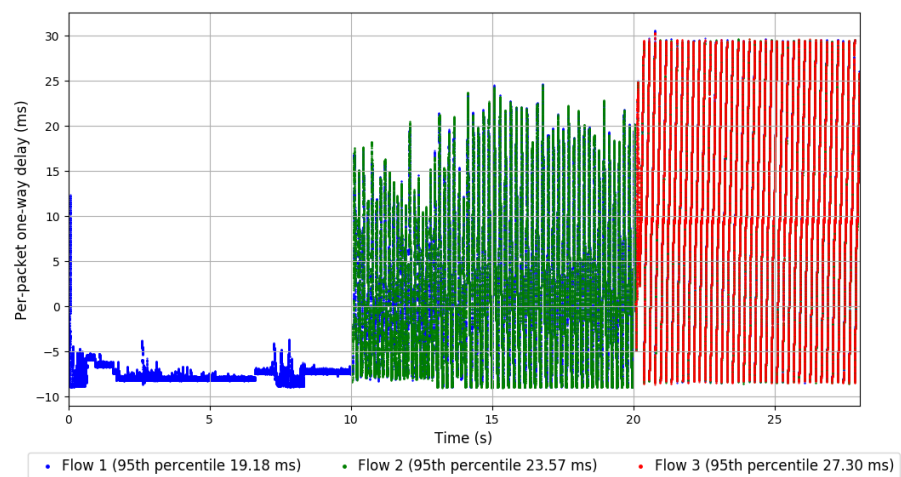
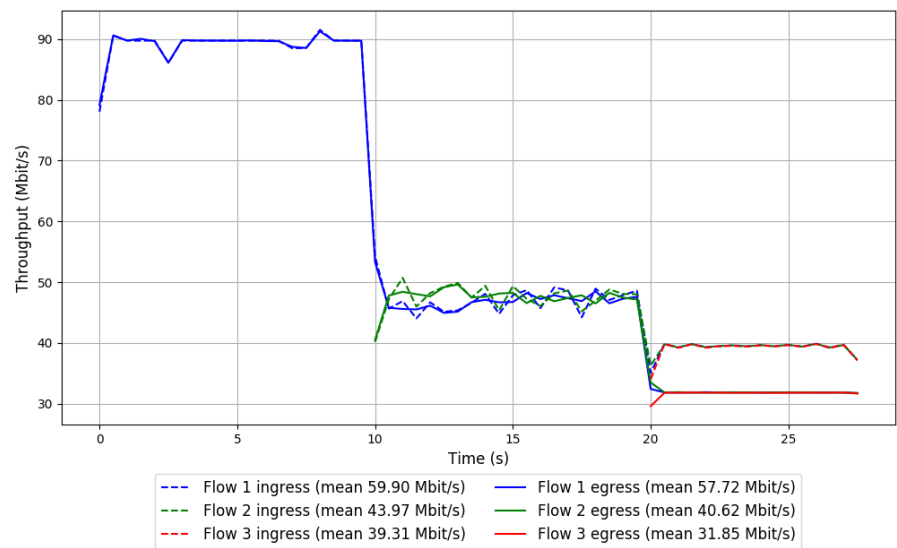


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-02 11:05:09
End at: 2018-01-02 11:05:39
Local clock offset: 2.068 ms
Remote clock offset: -16.44 ms

Below is generated by plot.py at 2018-01-02 13:50:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 22.618 ms
Loss rate: 6.36%
-- Flow 1:
Average throughput: 57.72 Mbit/s
95th percentile per-packet one-way delay: 19.178 ms
Loss rate: 3.52%
-- Flow 2:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 23.571 ms
Loss rate: 7.46%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 27.297 ms
Loss rate: 18.85%

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

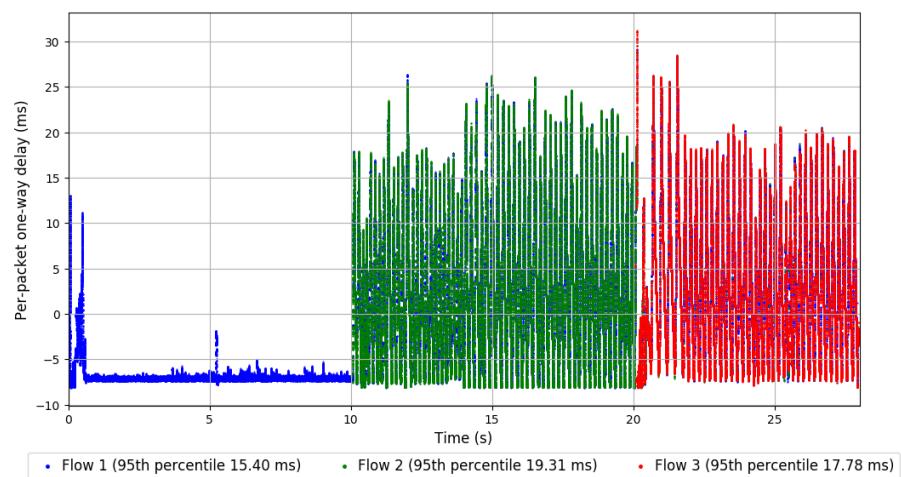
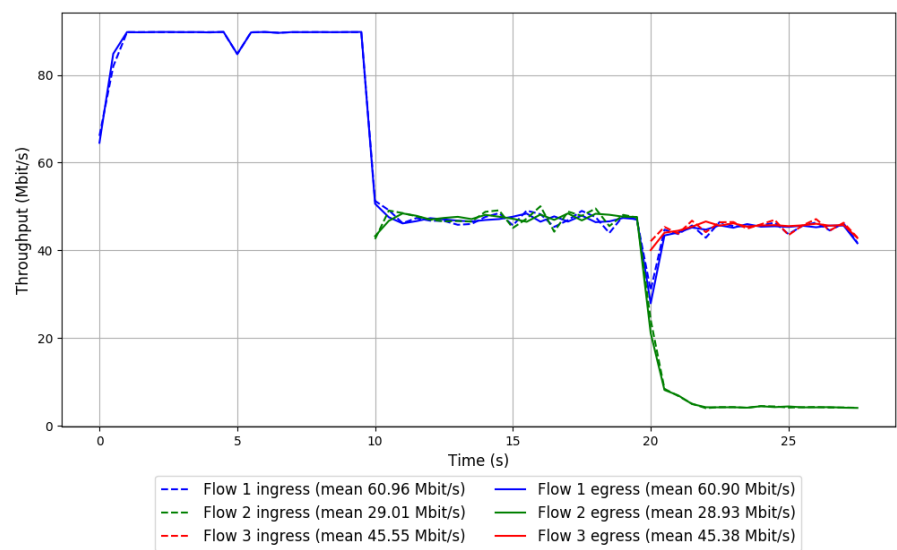


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-02 11:22:54
End at: 2018-01-02 11:23:24
Local clock offset: 2.101 ms
Remote clock offset: -15.409 ms

Below is generated by plot.py at 2018-01-02 13:50:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 16.852 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 60.90 Mbit/s
95th percentile per-packet one-way delay: 15.398 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 19.312 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 45.38 Mbit/s
95th percentile per-packet one-way delay: 17.781 ms
Loss rate: 0.29%

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

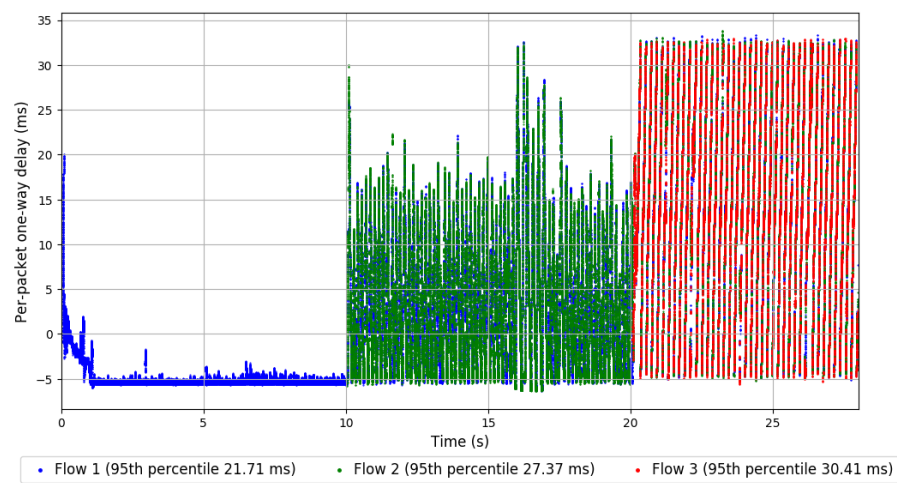
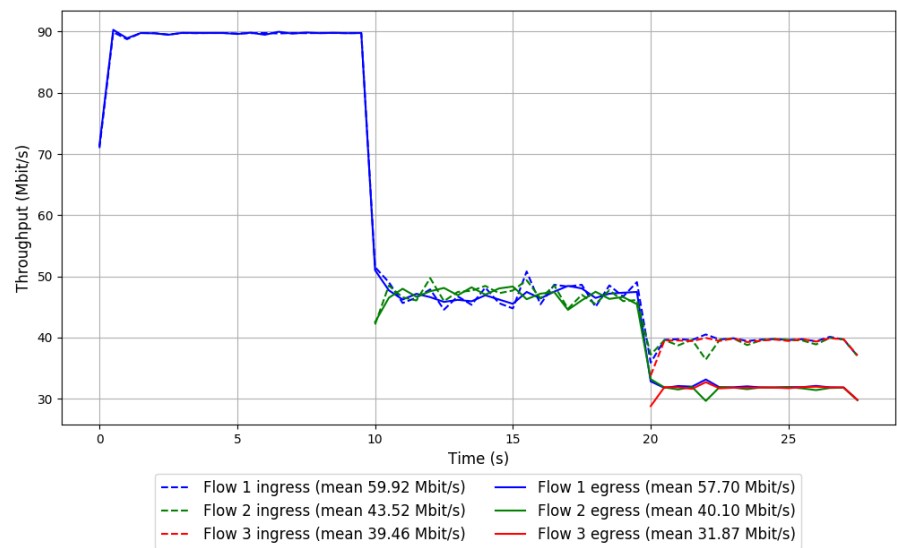


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-02 11:40:29
End at: 2018-01-02 11:40:59
Local clock offset: 0.188 ms
Remote clock offset: -14.957 ms

Below is generated by plot.py at 2018-01-02 13:51:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.49 Mbit/s
95th percentile per-packet one-way delay: 26.255 ms
Loss rate: 6.59%
-- Flow 1:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 21.709 ms
Loss rate: 3.67%
-- Flow 2:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 27.366 ms
Loss rate: 7.79%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 30.410 ms
Loss rate: 19.23%

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

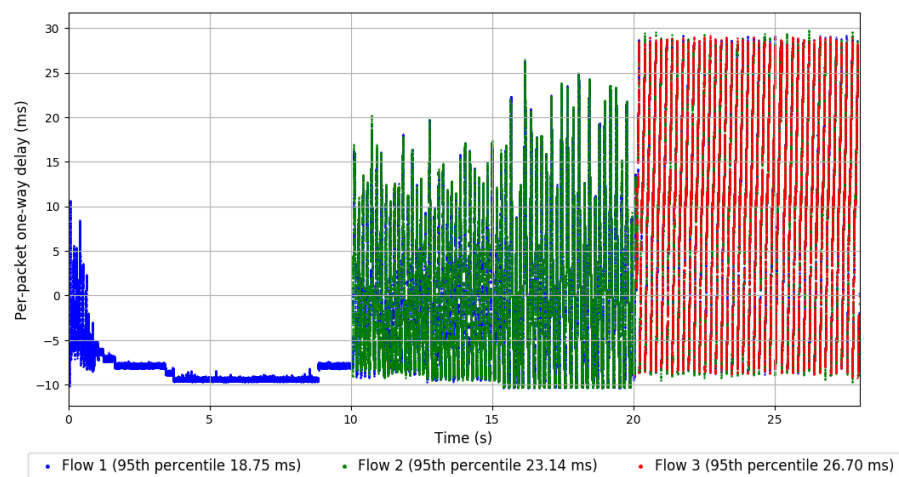
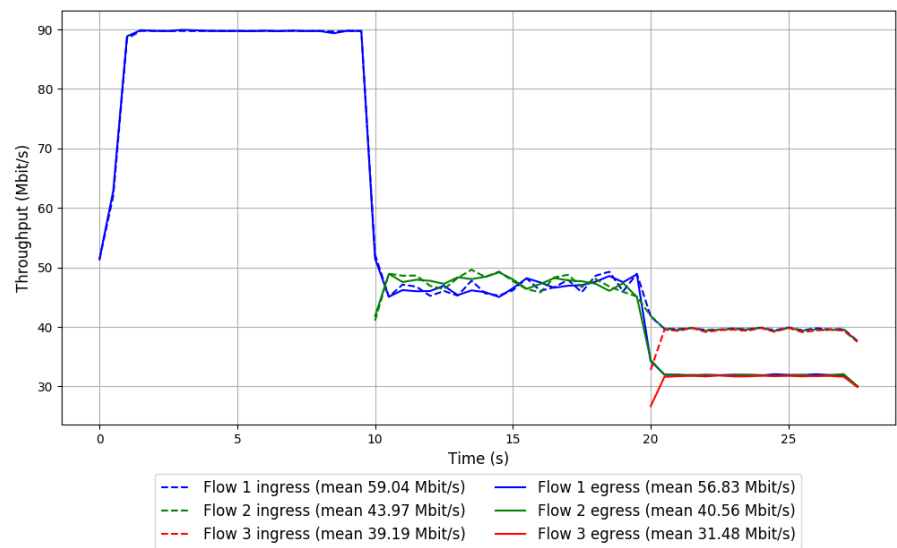


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-02 11:58:09
End at: 2018-01-02 11:58:39
Local clock offset: 1.196 ms
Remote clock offset: -17.704 ms

Below is generated by plot.py at 2018-01-02 13:51:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.81 Mbit/s
95th percentile per-packet one-way delay: 22.359 ms
Loss rate: 6.66%
-- Flow 1:
Average throughput: 56.83 Mbit/s
95th percentile per-packet one-way delay: 18.750 ms
Loss rate: 3.71%
-- Flow 2:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 23.138 ms
Loss rate: 7.73%
-- Flow 3:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 26.703 ms
Loss rate: 19.59%

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

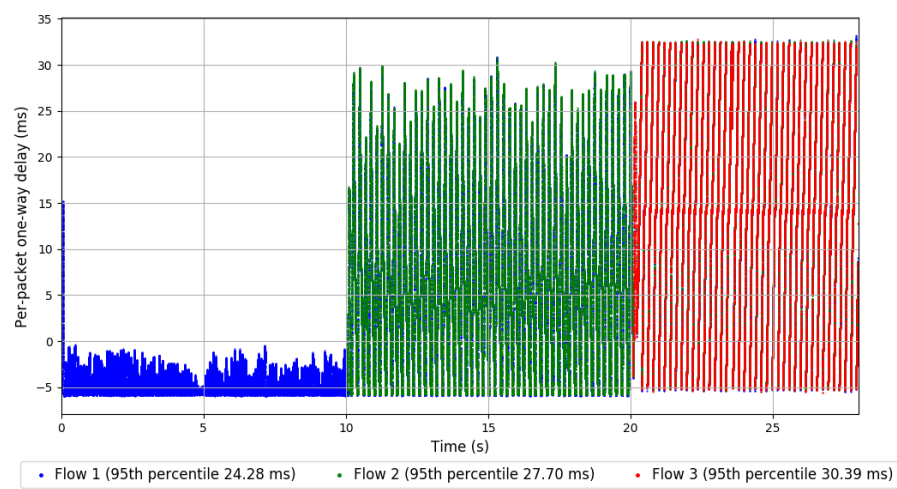
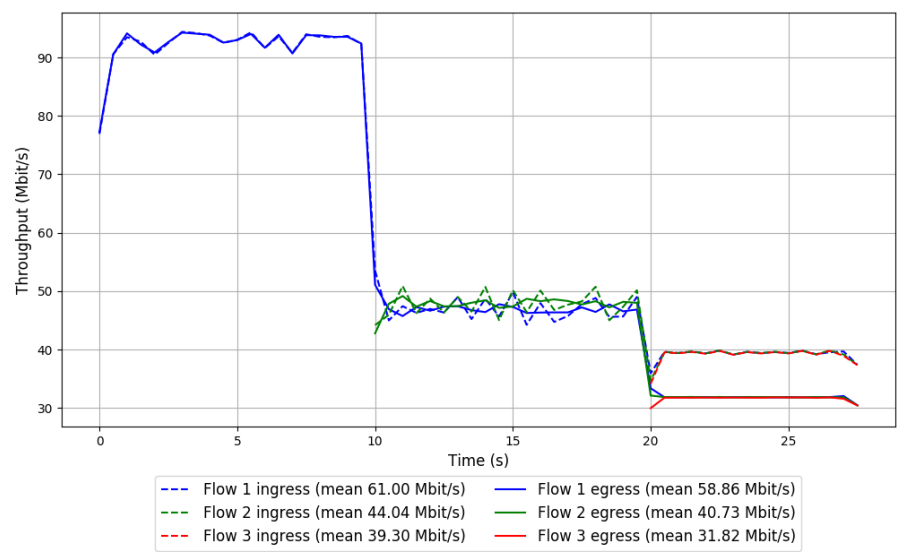


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-02 12:15:55
End at: 2018-01-02 12:16:25
Local clock offset: -0.973 ms
Remote clock offset: -16.23 ms

Below is generated by plot.py at 2018-01-02 13:51:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.03 Mbit/s
95th percentile per-packet one-way delay: 26.752 ms
Loss rate: 6.32%
-- Flow 1:
Average throughput: 58.86 Mbit/s
95th percentile per-packet one-way delay: 24.279 ms
Loss rate: 3.47%
-- Flow 2:
Average throughput: 40.73 Mbit/s
95th percentile per-packet one-way delay: 27.705 ms
Loss rate: 7.47%
-- Flow 3:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 30.391 ms
Loss rate: 18.98%

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

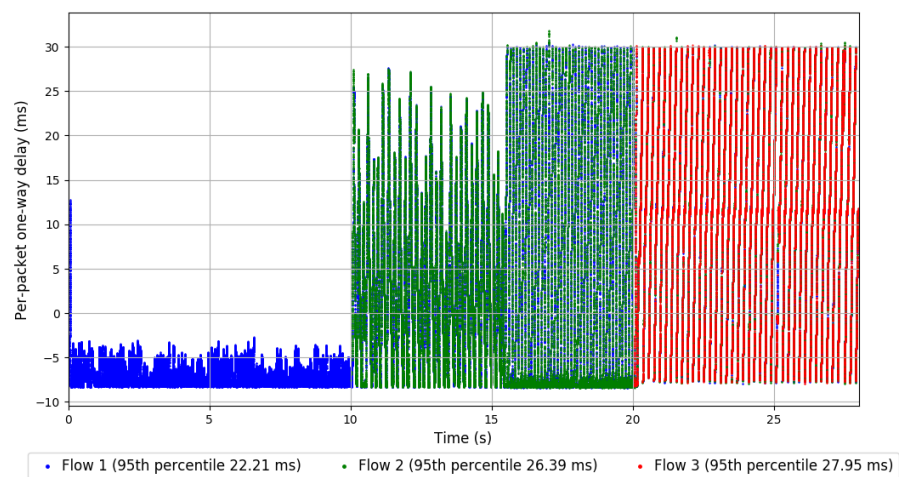
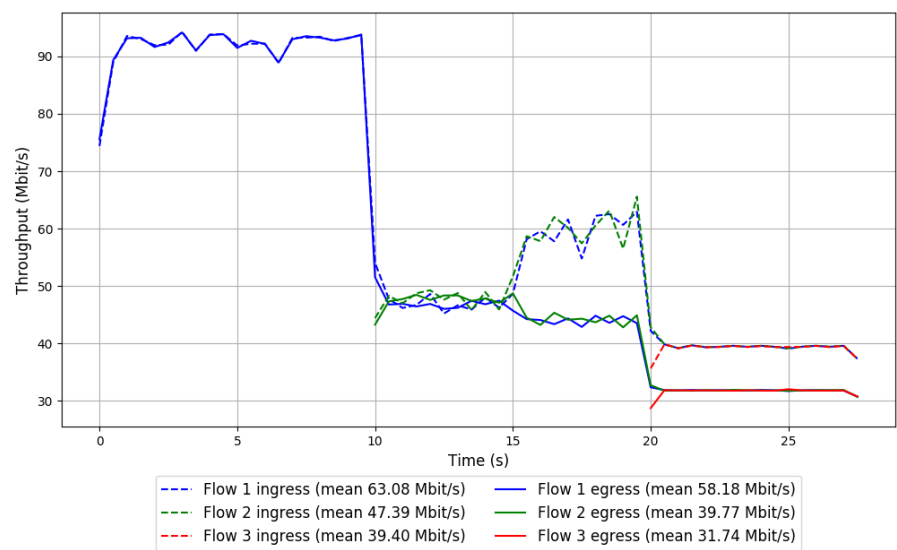


Run 8: Statistics of TaoVA-100x

Start at: 2018-01-02 12:33:28
End at: 2018-01-02 12:33:58
Local clock offset: 0.22 ms
Remote clock offset: -16.293 ms

Below is generated by plot.py at 2018-01-02 13:51:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 25.048 ms
Loss rate: 11.36%
-- Flow 1:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 22.212 ms
Loss rate: 7.72%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 26.386 ms
Loss rate: 16.00%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 27.951 ms
Loss rate: 19.26%

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

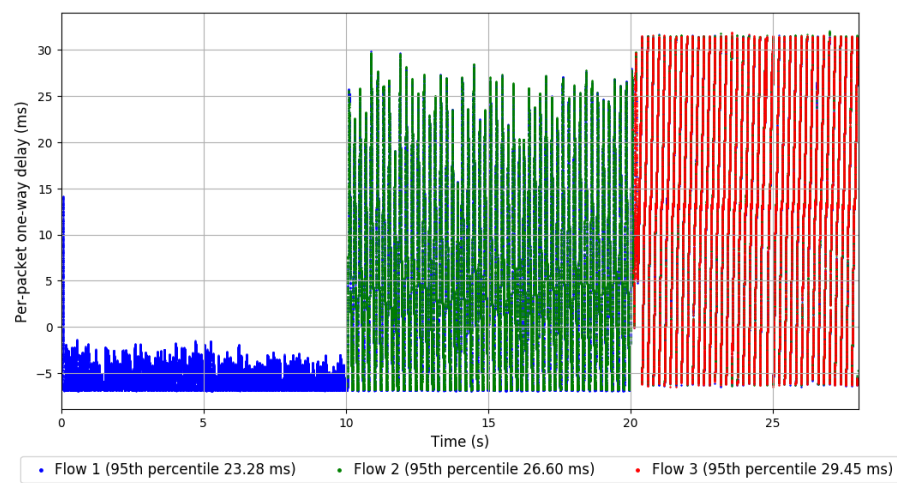
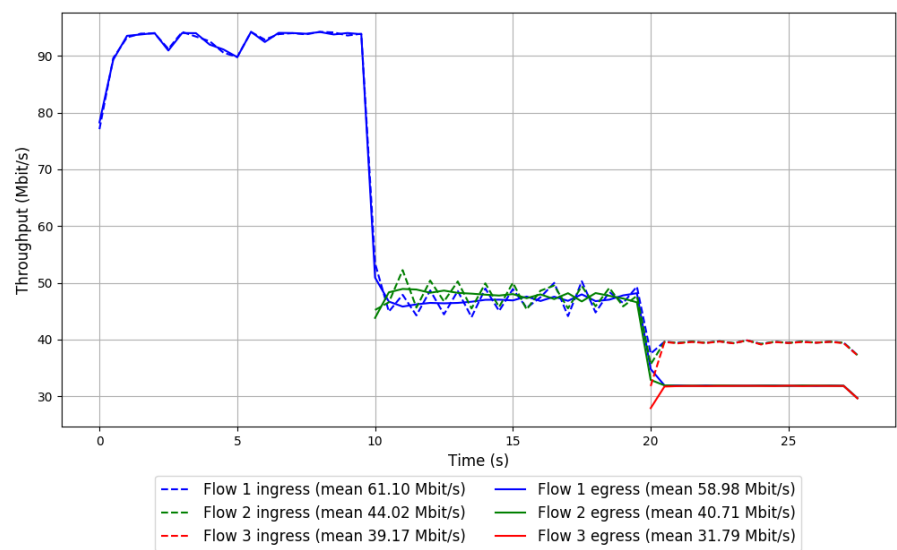


Run 9: Statistics of TaoVA-100x

Start at: 2018-01-02 12:51:09
End at: 2018-01-02 12:51:39
Local clock offset: -0.78 ms
Remote clock offset: -14.167 ms

Below is generated by plot.py at 2018-01-02 13:53:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.10 Mbit/s
95th percentile per-packet one-way delay: 25.726 ms
Loss rate: 6.34%
-- Flow 1:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 23.280 ms
Loss rate: 3.47%
-- Flow 2:
Average throughput: 40.71 Mbit/s
95th percentile per-packet one-way delay: 26.597 ms
Loss rate: 7.52%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 29.454 ms
Loss rate: 19.13%

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

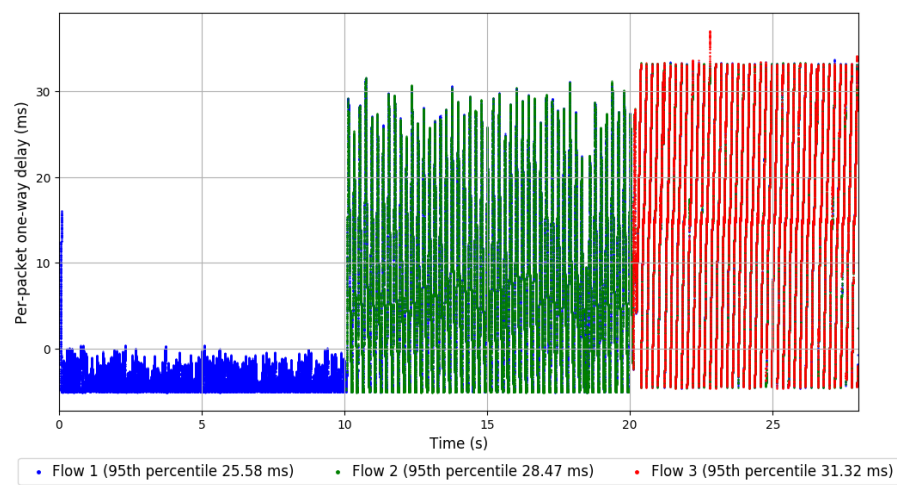
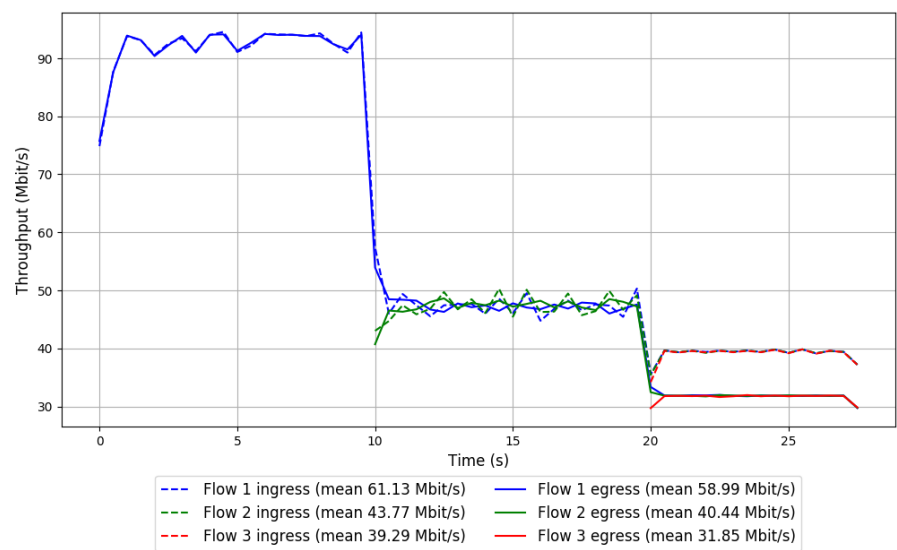


Run 10: Statistics of TaoVA-100x

Start at: 2018-01-02 13:08:57
End at: 2018-01-02 13:09:27
Local clock offset: -2.065 ms
Remote clock offset: -12.277 ms

Below is generated by plot.py at 2018-01-02 13:53:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 27.666 ms
Loss rate: 6.36%
-- Flow 1:
Average throughput: 58.99 Mbit/s
95th percentile per-packet one-way delay: 25.577 ms
Loss rate: 3.48%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 28.468 ms
Loss rate: 7.58%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 31.323 ms
Loss rate: 19.07%

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

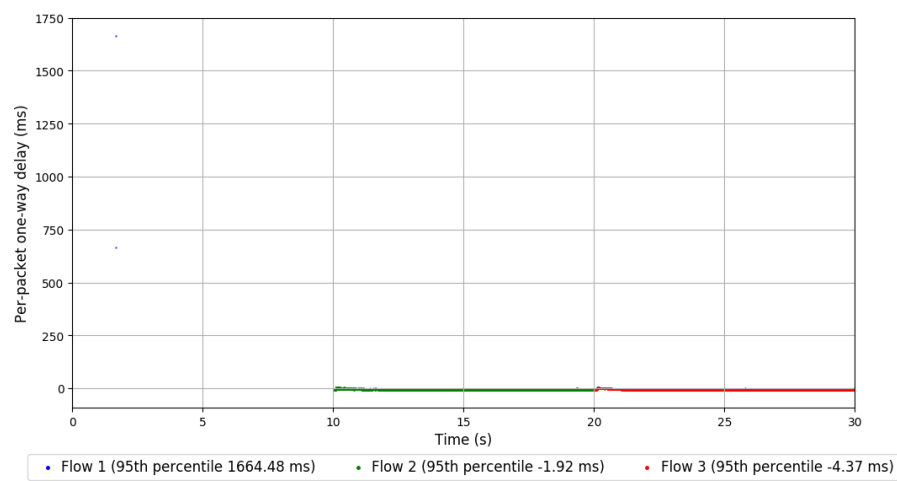
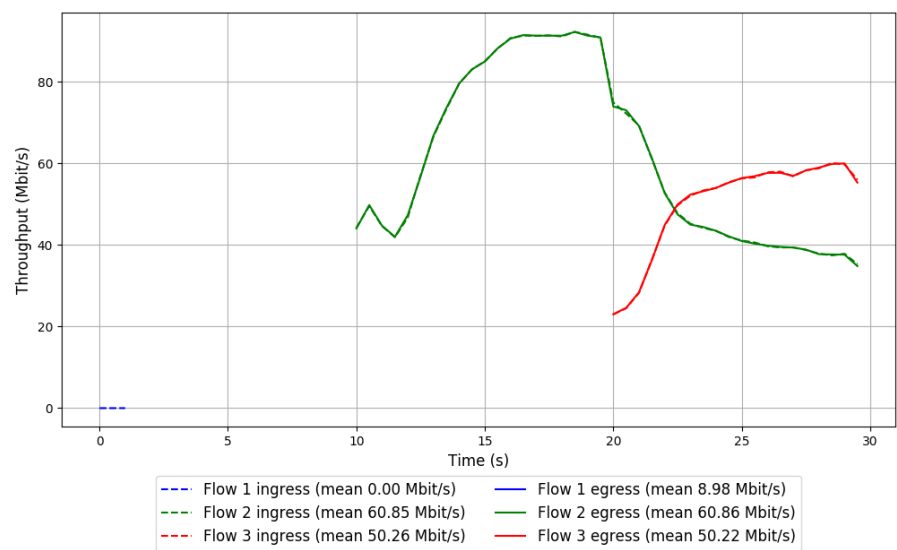


Run 1: Statistics of TCP Vegas

Start at: 2018-01-02 10:23:44
End at: 2018-01-02 10:24:14
Local clock offset: 0.248 ms
Remote clock offset: -16.575 ms

Below is generated by plot.py at 2018-01-02 13:53:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.56 Mbit/s
95th percentile per-packet one-way delay: -2.191 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 1664.477 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: -1.923 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: -4.369 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

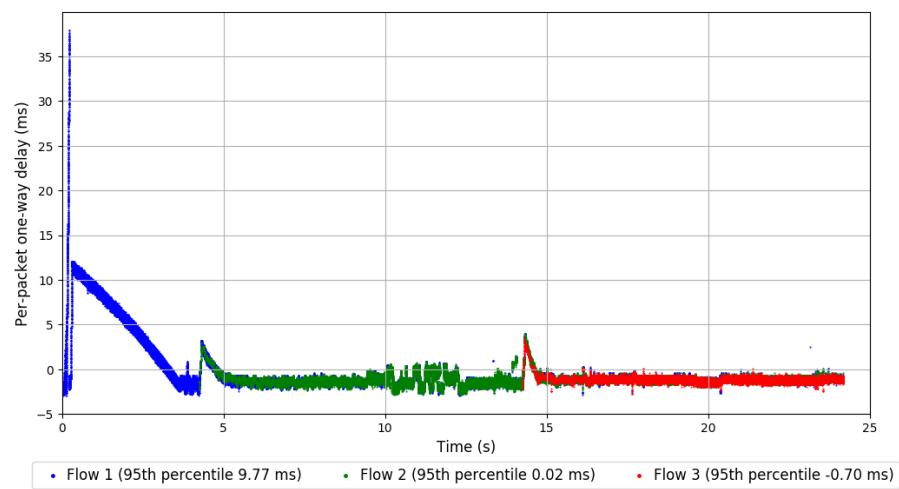
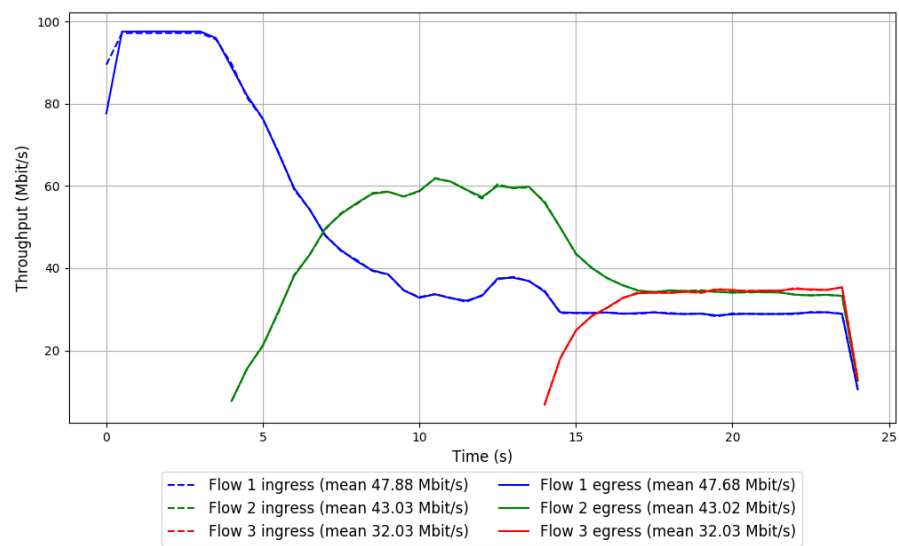


Run 2: Statistics of TCP Vegas

Start at: 2018-01-02 10:41:24
End at: 2018-01-02 10:41:54
Local clock offset: -1.416 ms
Remote clock offset: -13.565 ms

Below is generated by plot.py at 2018-01-02 13:53:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 7.604 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 47.68 Mbit/s
95th percentile per-packet one-way delay: 9.772 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 43.02 Mbit/s
95th percentile per-packet one-way delay: 0.024 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.03 Mbit/s
95th percentile per-packet one-way delay: -0.697 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

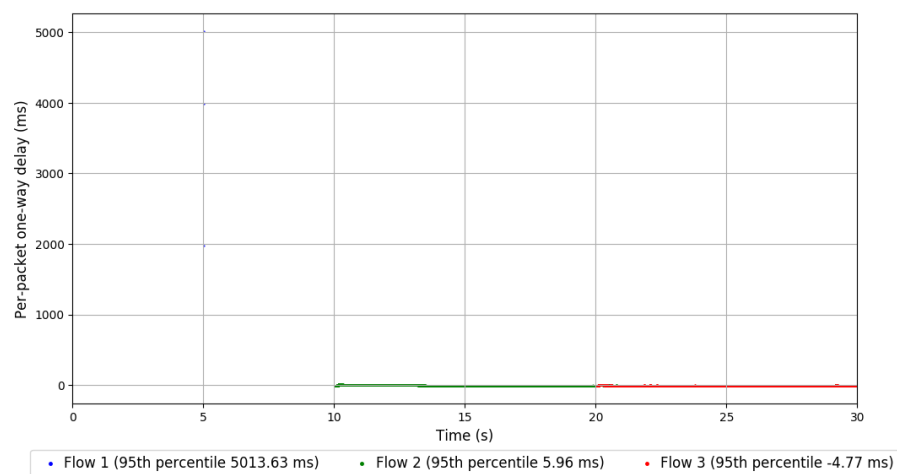
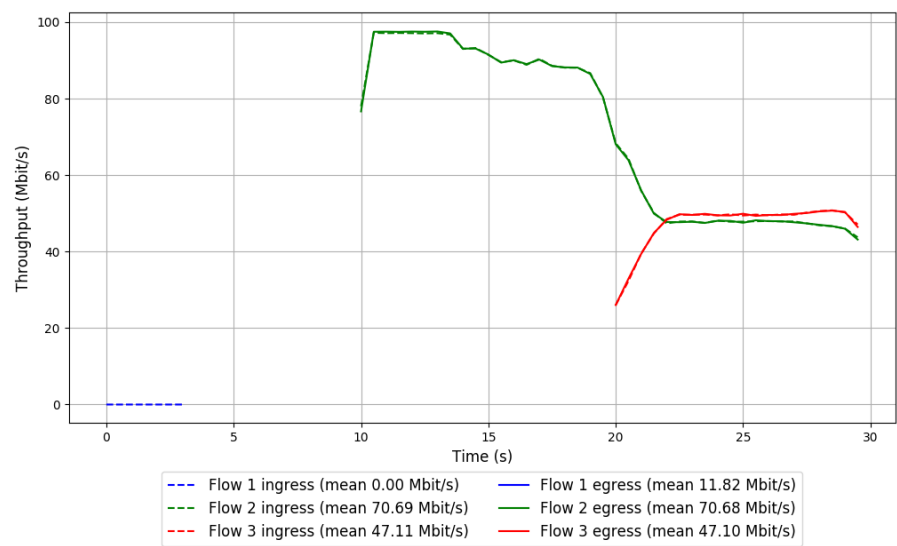


Run 3: Statistics of TCP Vegas

Start at: 2018-01-02 10:59:11
End at: 2018-01-02 10:59:41
Local clock offset: 2.239 ms
Remote clock offset: -14.878 ms

Below is generated by plot.py at 2018-01-02 13:53:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.31 Mbit/s
95th percentile per-packet one-way delay: 5.061 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 5013.627 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.68 Mbit/s
95th percentile per-packet one-way delay: 5.960 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.10 Mbit/s
95th percentile per-packet one-way delay: -4.772 ms
Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link

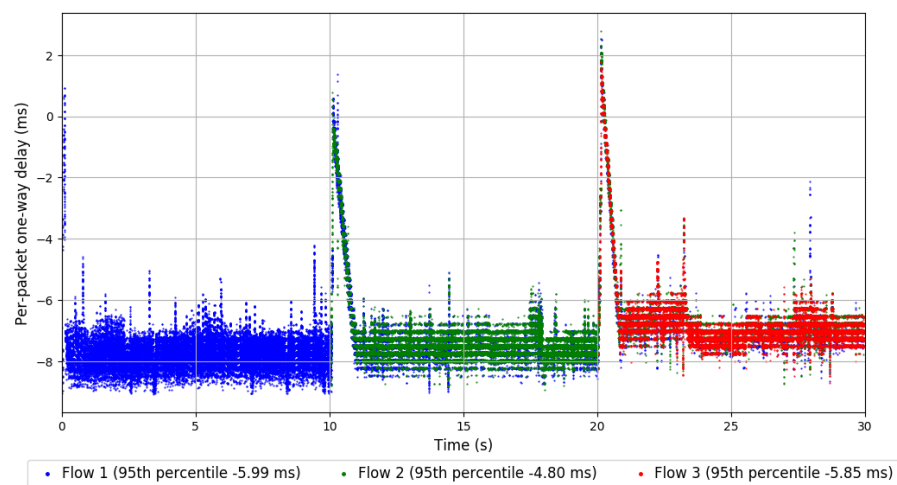
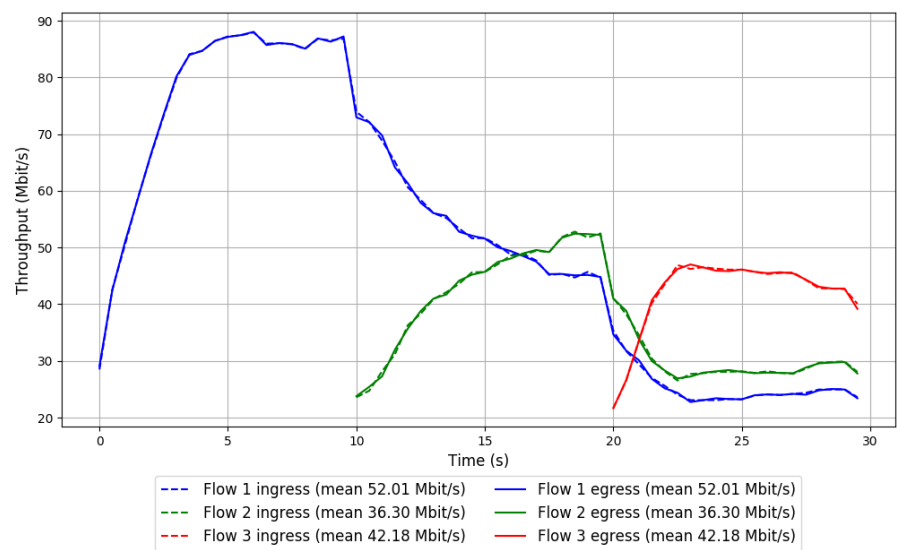


Run 4: Statistics of TCP Vegas

Start at: 2018-01-02 11:17:00
End at: 2018-01-02 11:17:30
Local clock offset: 2.578 ms
Remote clock offset: -15.856 ms

Below is generated by plot.py at 2018-01-02 13:53:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.18 Mbit/s
95th percentile per-packet one-way delay: -5.697 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.01 Mbit/s
95th percentile per-packet one-way delay: -5.992 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: -4.797 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.18 Mbit/s
95th percentile per-packet one-way delay: -5.848 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

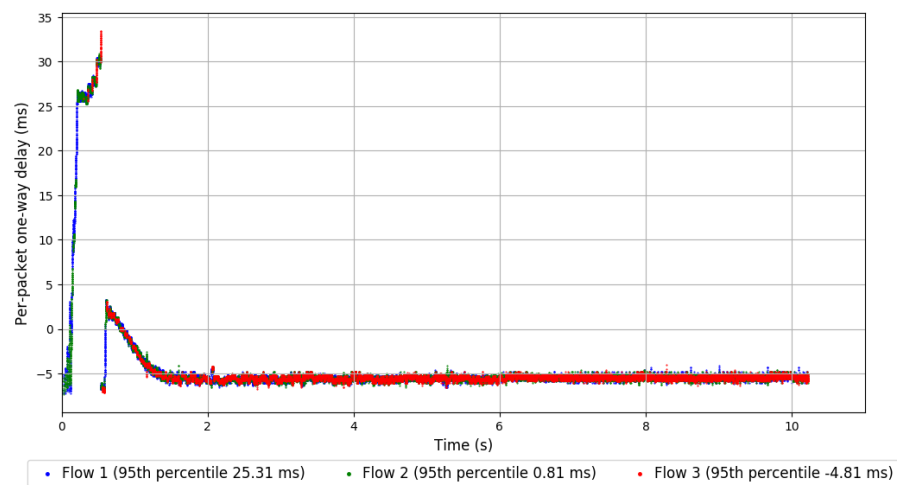
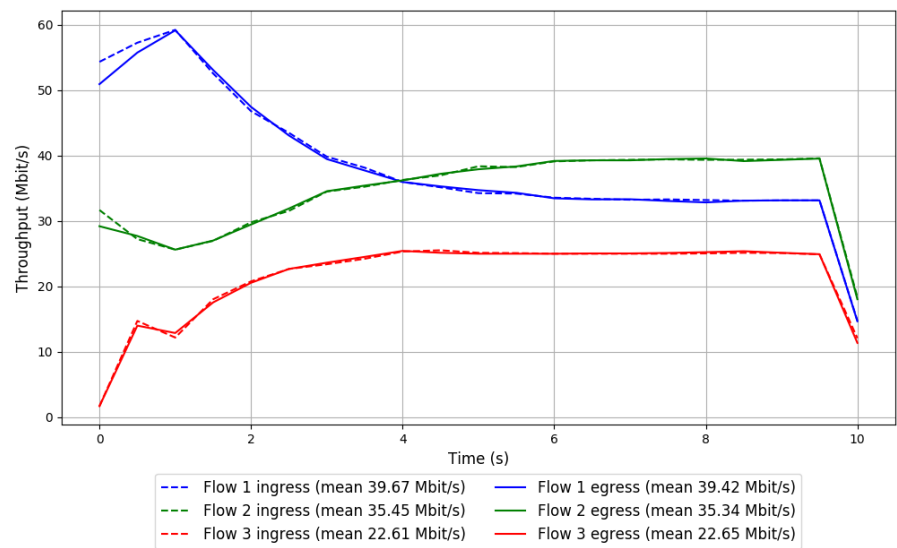
Start at: 2018-01-02 11:34:41

End at: 2018-01-02 11:35:11

Local clock offset: -0.688 ms

Remote clock offset: -16.983 ms

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

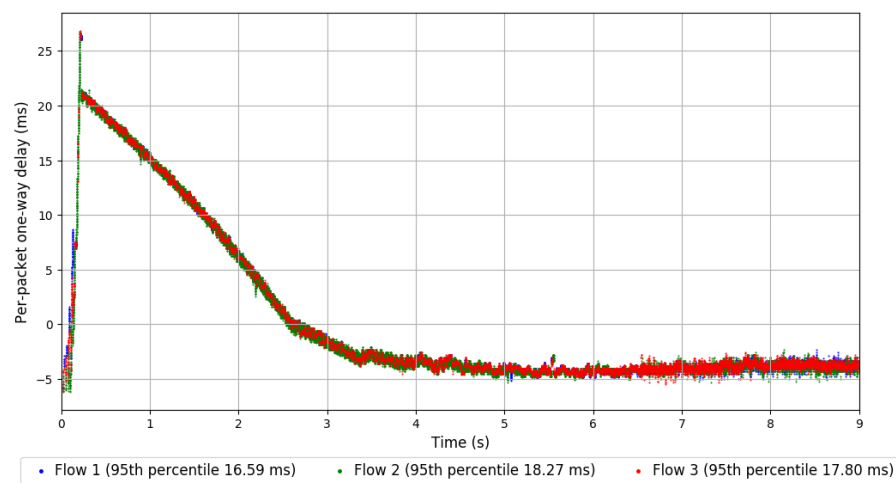
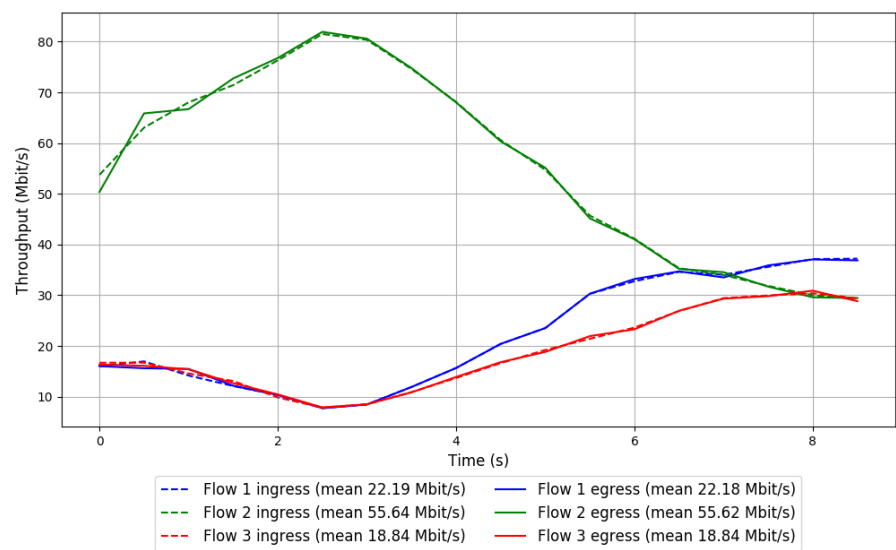
Start at: 2018-01-02 11:52:19

End at: 2018-01-02 11:52:49

Local clock offset: -1.126 ms

Remote clock offset: -15.648 ms

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

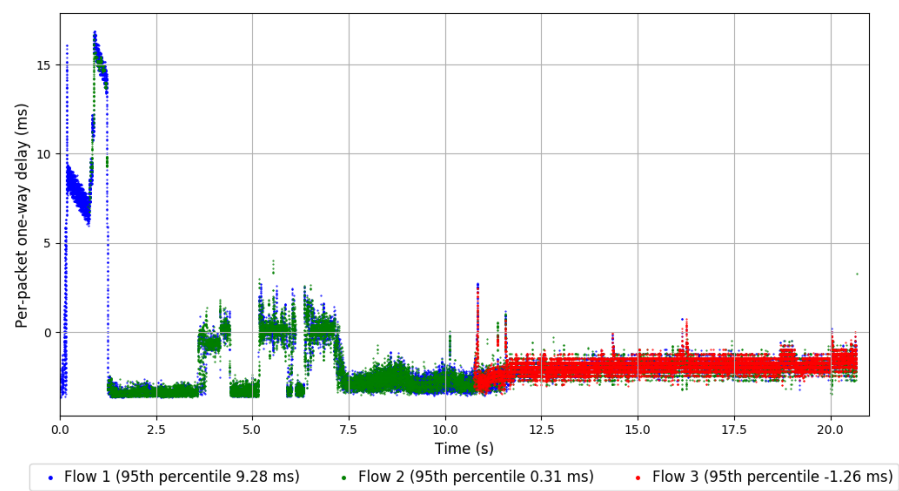
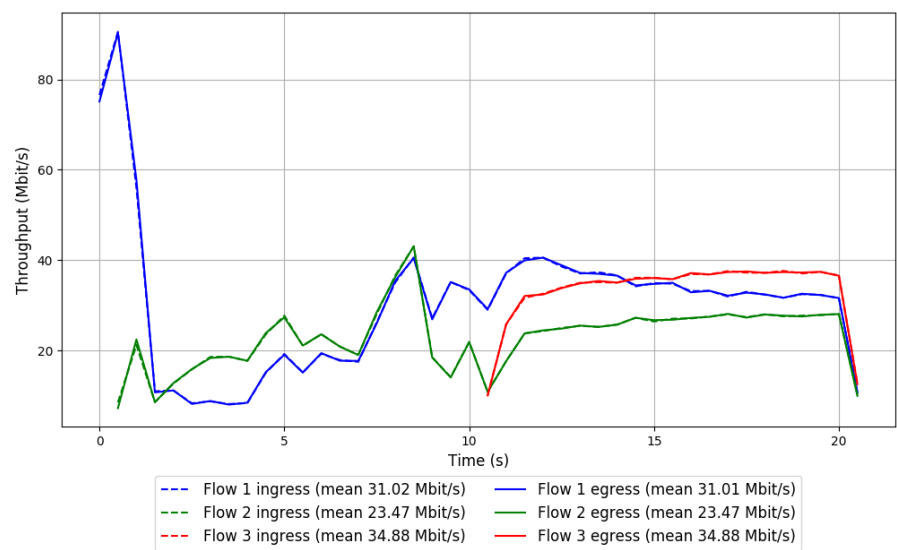
Start at: 2018-01-02 12:09:57

End at: 2018-01-02 12:10:27

Local clock offset: -2.821 ms

Remote clock offset: -15.752 ms

Run 7: Report of TCP Vegas — Data Link

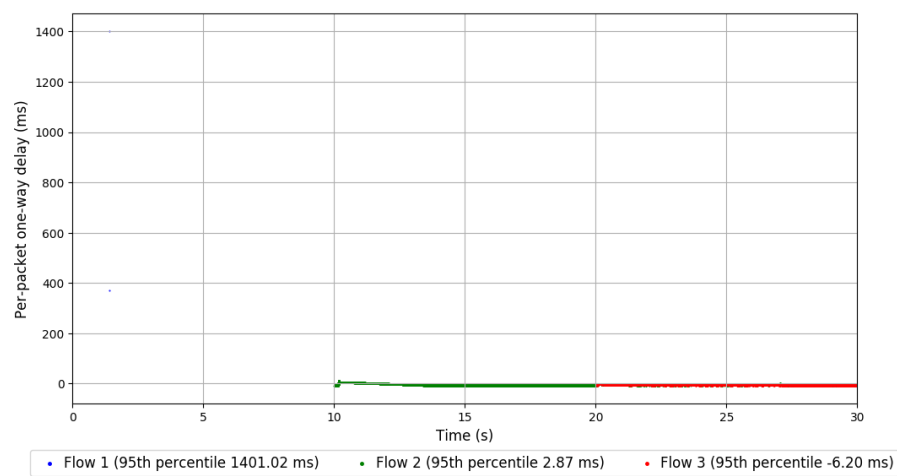
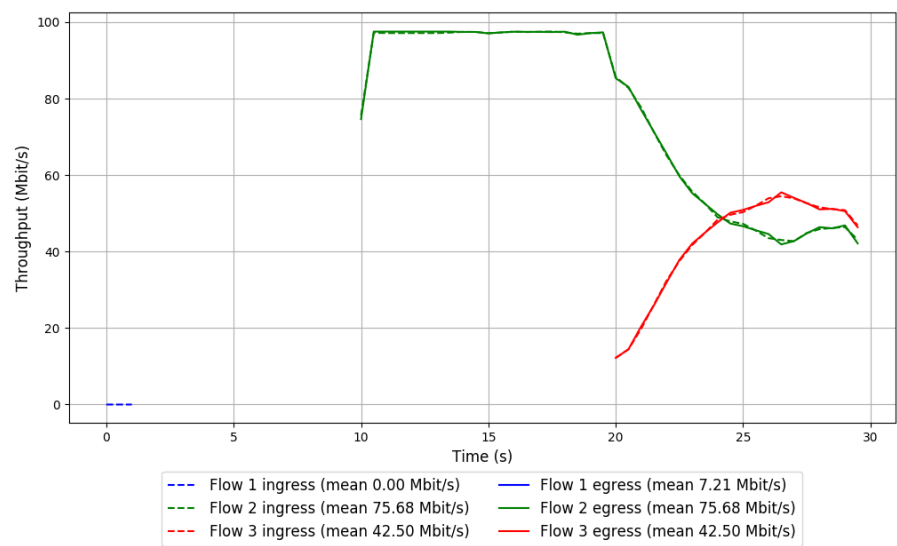


Run 8: Statistics of TCP Vegas

Start at: 2018-01-02 12:27:40
End at: 2018-01-02 12:28:10
Local clock offset: 0.861 ms
Remote clock offset: -16.159 ms

Below is generated by plot.py at 2018-01-02 13:53:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.67 Mbit/s
95th percentile per-packet one-way delay: 2.138 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 1401.016 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.68 Mbit/s
95th percentile per-packet one-way delay: 2.868 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.50 Mbit/s
95th percentile per-packet one-way delay: -6.204 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

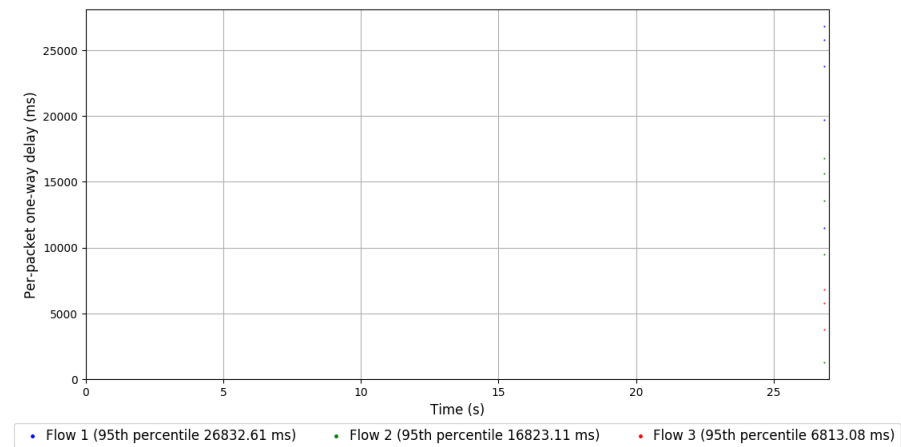
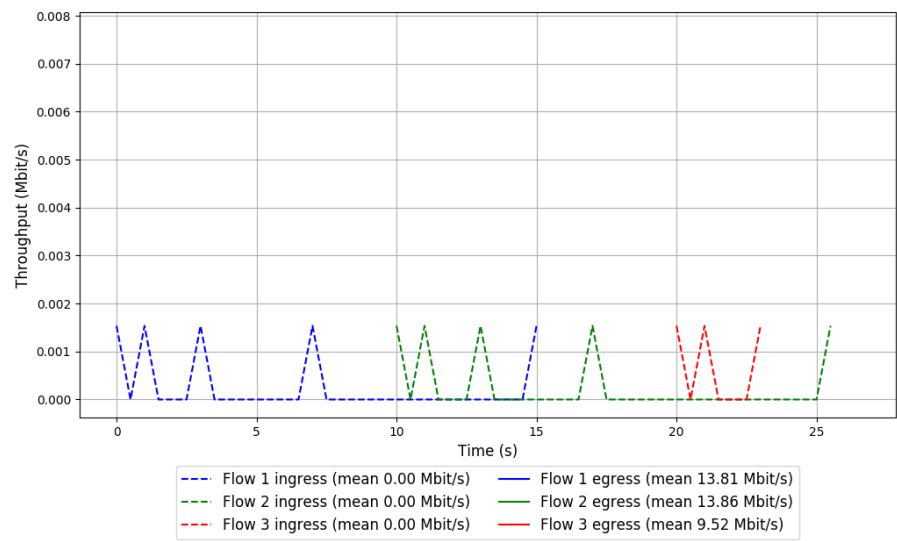
Start at: 2018-01-02 12:45:22

End at: 2018-01-02 12:45:52

Local clock offset: 0.714 ms

Remote clock offset: -14.777 ms

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-02 13:03:07

End at: 2018-01-02 13:03:37

Local clock offset: -0.12 ms

Remote clock offset: -13.922 ms

Run 10: Report of TCP Vegas — Data Link

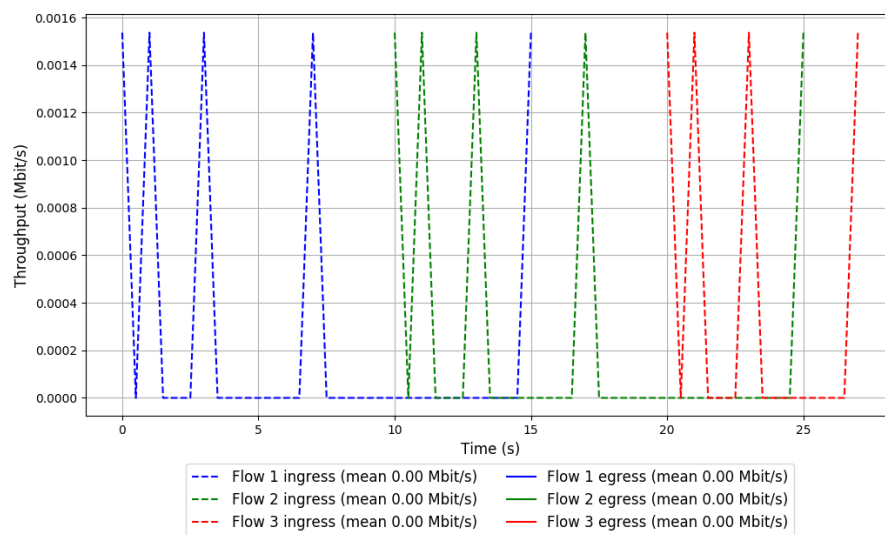


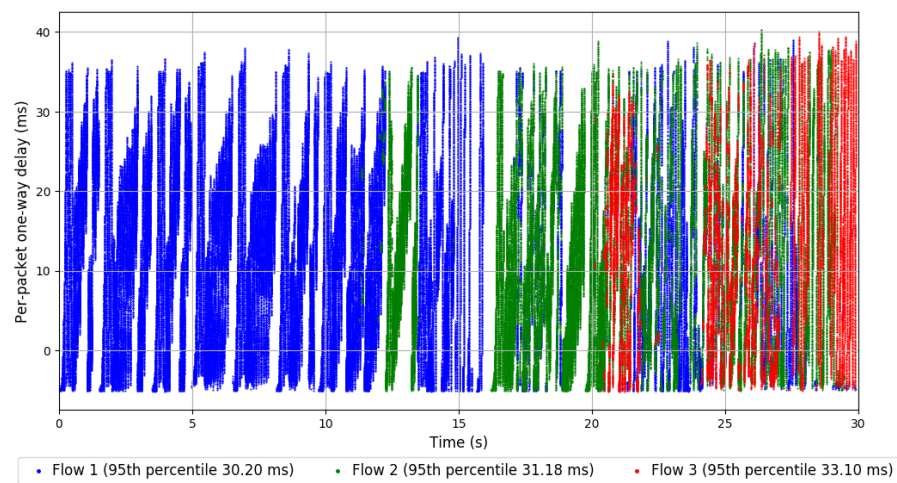
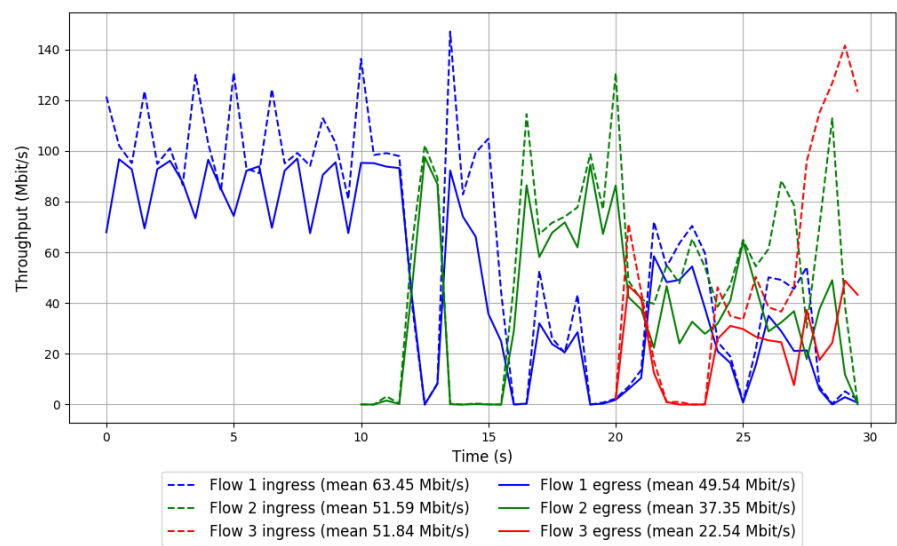
Figure is missing

Run 1: Statistics of Verus

Start at: 2018-01-02 10:30:47
End at: 2018-01-02 10:31:17
Local clock offset: -4.555 ms
Remote clock offset: -18.997 ms

Below is generated by plot.py at 2018-01-02 13:53:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.81 Mbit/s
95th percentile per-packet one-way delay: 30.858 ms
Loss rate: 28.77%
-- Flow 1:
Average throughput: 49.54 Mbit/s
95th percentile per-packet one-way delay: 30.199 ms
Loss rate: 21.87%
-- Flow 2:
Average throughput: 37.35 Mbit/s
95th percentile per-packet one-way delay: 31.179 ms
Loss rate: 27.64%
-- Flow 3:
Average throughput: 22.54 Mbit/s
95th percentile per-packet one-way delay: 33.099 ms
Loss rate: 56.48%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

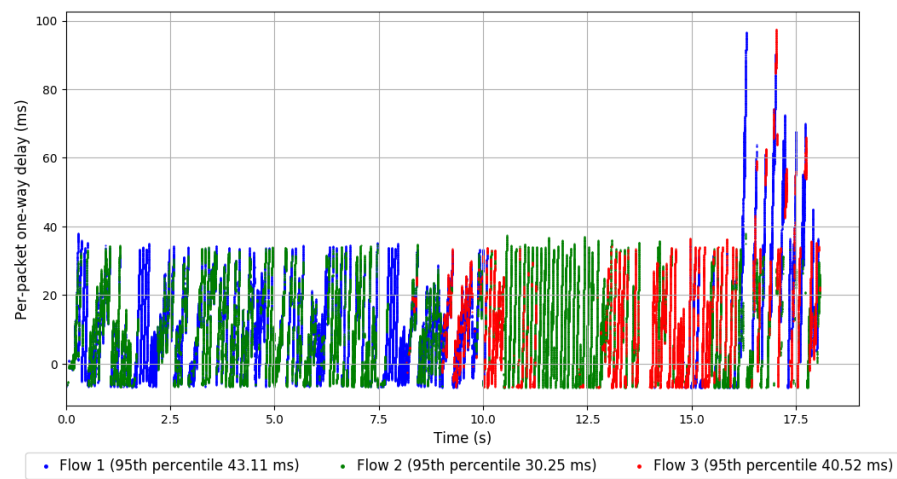
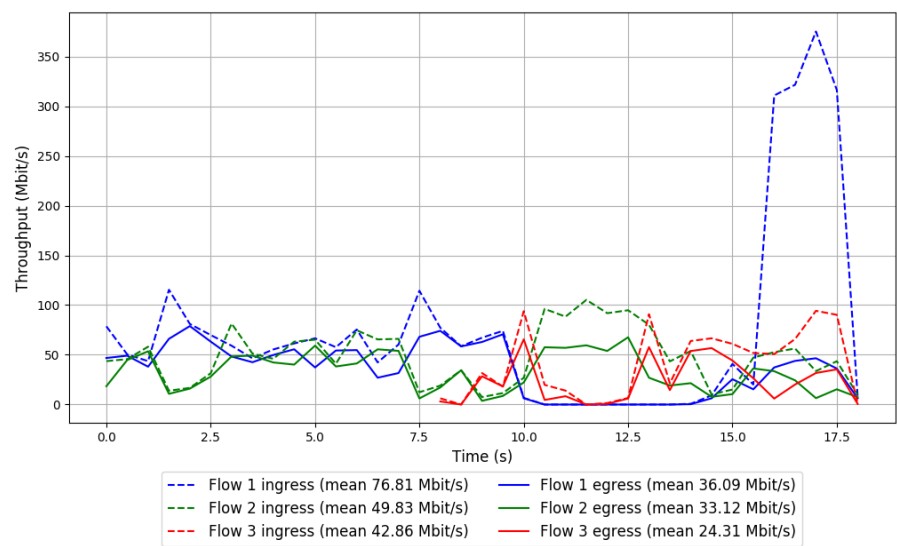
Start at: 2018-01-02 10:48:32

End at: 2018-01-02 10:49:02

Local clock offset: 1.337 ms

Remote clock offset: -15.154 ms

Run 2: Report of Verus — Data Link

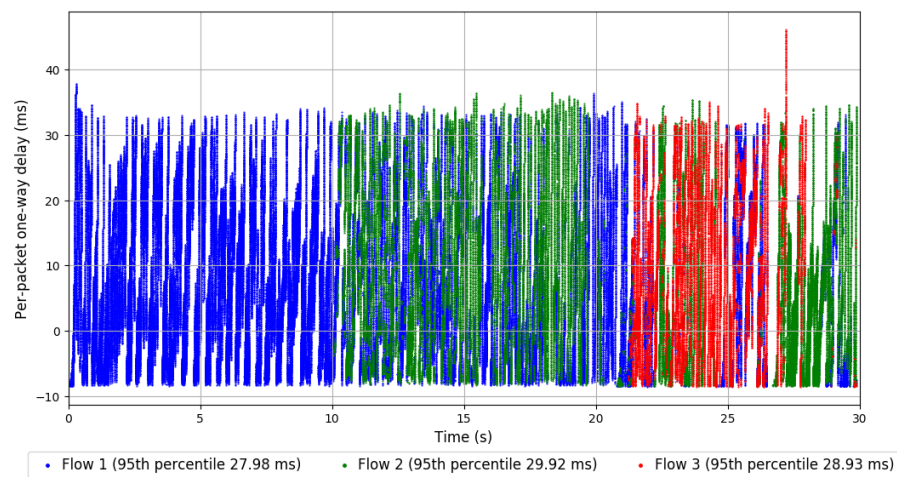
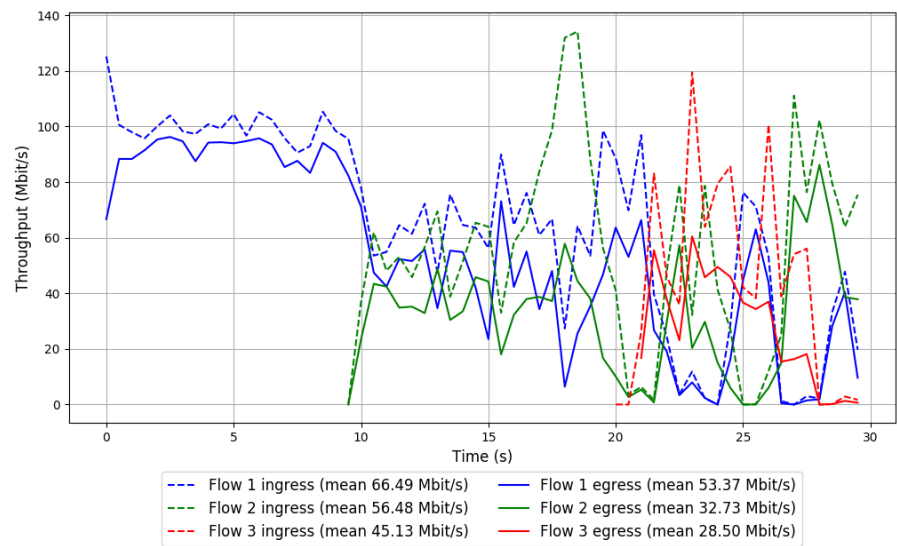


Run 3: Statistics of Verus

Start at: 2018-01-02 11:06:25
End at: 2018-01-02 11:06:55
Local clock offset: 1.694 ms
Remote clock offset: -16.324 ms

Below is generated by plot.py at 2018-01-02 13:53:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.44 Mbit/s
95th percentile per-packet one-way delay: 28.660 ms
Loss rate: 29.70%
-- Flow 1:
Average throughput: 53.37 Mbit/s
95th percentile per-packet one-way delay: 27.983 ms
Loss rate: 19.74%
-- Flow 2:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 29.917 ms
Loss rate: 42.02%
-- Flow 3:
Average throughput: 28.50 Mbit/s
95th percentile per-packet one-way delay: 28.930 ms
Loss rate: 43.38%

Run 3: Report of Verus — Data Link

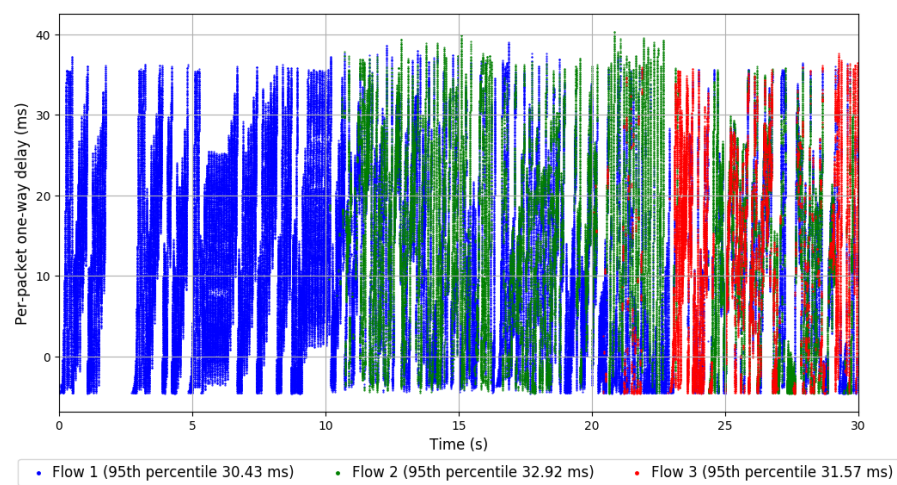
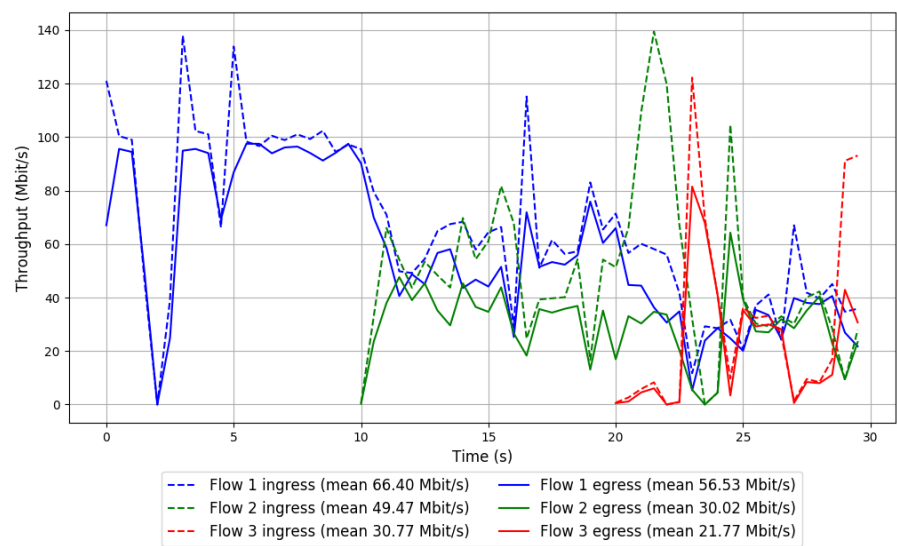


Run 4: Statistics of Verus

Start at: 2018-01-02 11:24:08
End at: 2018-01-02 11:24:38
Local clock offset: -1.156 ms
Remote clock offset: -15.045 ms

Below is generated by plot.py at 2018-01-02 13:53:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.44 Mbit/s
95th percentile per-packet one-way delay: 31.260 ms
Loss rate: 23.47%
-- Flow 1:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 30.432 ms
Loss rate: 14.80%
-- Flow 2:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 32.919 ms
Loss rate: 39.35%
-- Flow 3:
Average throughput: 21.77 Mbit/s
95th percentile per-packet one-way delay: 31.571 ms
Loss rate: 29.21%

Run 4: Report of Verus — Data Link

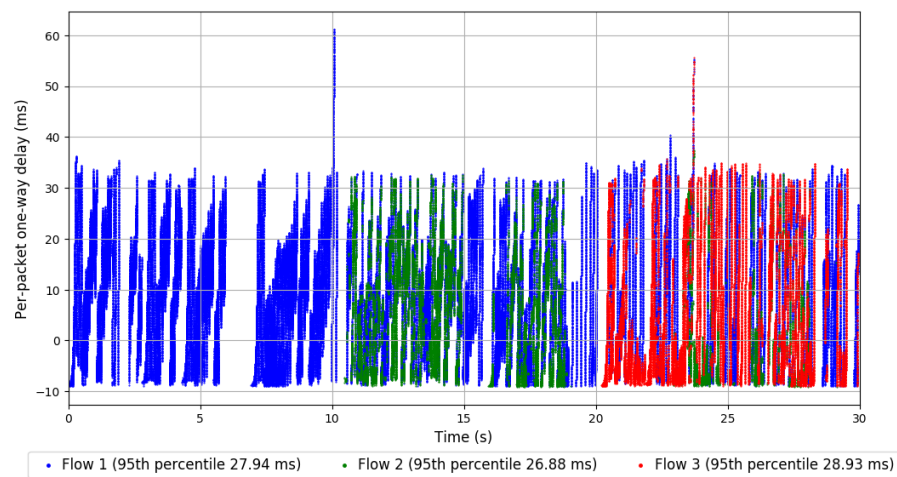
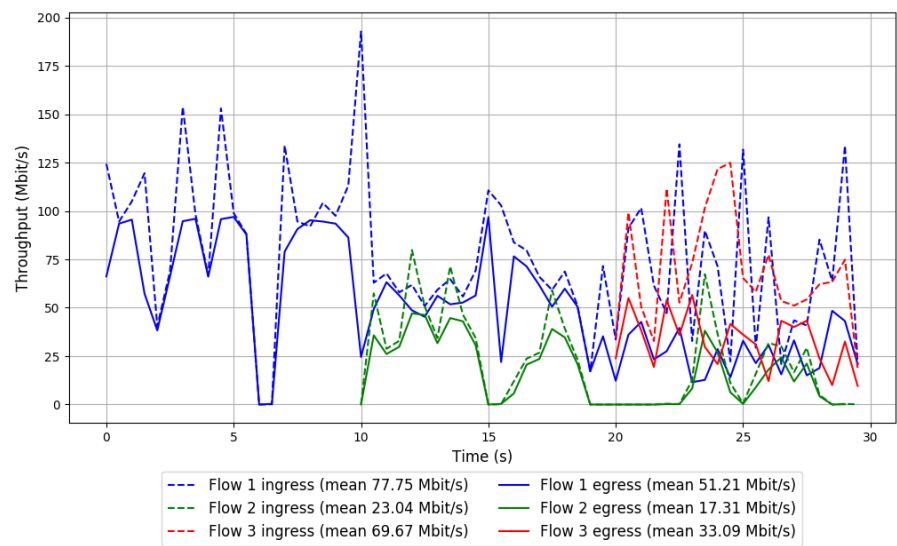


Run 5: Statistics of Verus

Start at: 2018-01-02 11:41:44
End at: 2018-01-02 11:42:14
Local clock offset: 1.706 ms
Remote clock offset: -15.955 ms

Below is generated by plot.py at 2018-01-02 13:53:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.01 Mbit/s
95th percentile per-packet one-way delay: 27.939 ms
Loss rate: 36.71%
-- Flow 1:
Average throughput: 51.21 Mbit/s
95th percentile per-packet one-way delay: 27.943 ms
Loss rate: 34.05%
-- Flow 2:
Average throughput: 17.31 Mbit/s
95th percentile per-packet one-way delay: 26.876 ms
Loss rate: 26.13%
-- Flow 3:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 28.932 ms
Loss rate: 52.42%

Run 5: Report of Verus — Data Link

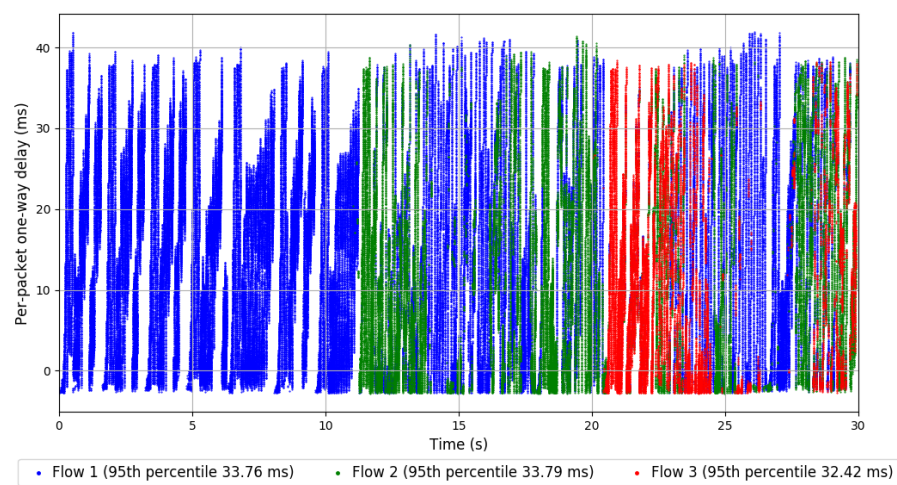
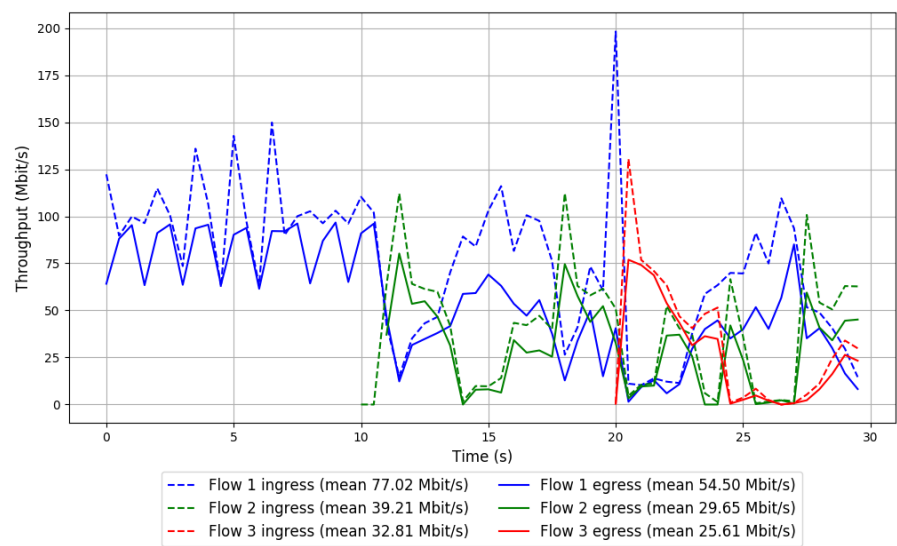


Run 6: Statistics of Verus

Start at: 2018-01-02 11:59:23
End at: 2018-01-02 11:59:53
Local clock offset: -3.701 ms
Remote clock offset: -15.058 ms

Below is generated by plot.py at 2018-01-02 13:54:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.21 Mbit/s
95th percentile per-packet one-way delay: 33.658 ms
Loss rate: 28.29%
-- Flow 1:
Average throughput: 54.50 Mbit/s
95th percentile per-packet one-way delay: 33.764 ms
Loss rate: 29.18%
-- Flow 2:
Average throughput: 29.65 Mbit/s
95th percentile per-packet one-way delay: 33.789 ms
Loss rate: 28.26%
-- Flow 3:
Average throughput: 25.61 Mbit/s
95th percentile per-packet one-way delay: 32.416 ms
Loss rate: 22.05%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-02 12:17:09

End at: 2018-01-02 12:17:39

Local clock offset: -0.27 ms

Remote clock offset: -18.3 ms

Below is generated by plot.py at 2018-01-02 13:54:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.74 Mbit/s

95th percentile per-packet one-way delay: 28.990 ms

Loss rate: 45.35%

-- Flow 1:

Average throughput: 45.89 Mbit/s

95th percentile per-packet one-way delay: 30.227 ms

Loss rate: 52.27%

-- Flow 2:

Average throughput: 39.27 Mbit/s

95th percentile per-packet one-way delay: 26.164 ms

Loss rate: 25.02%

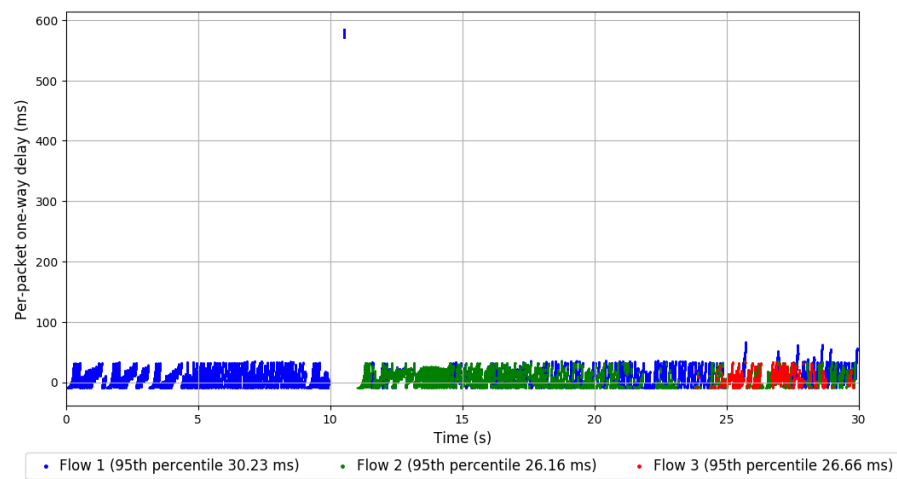
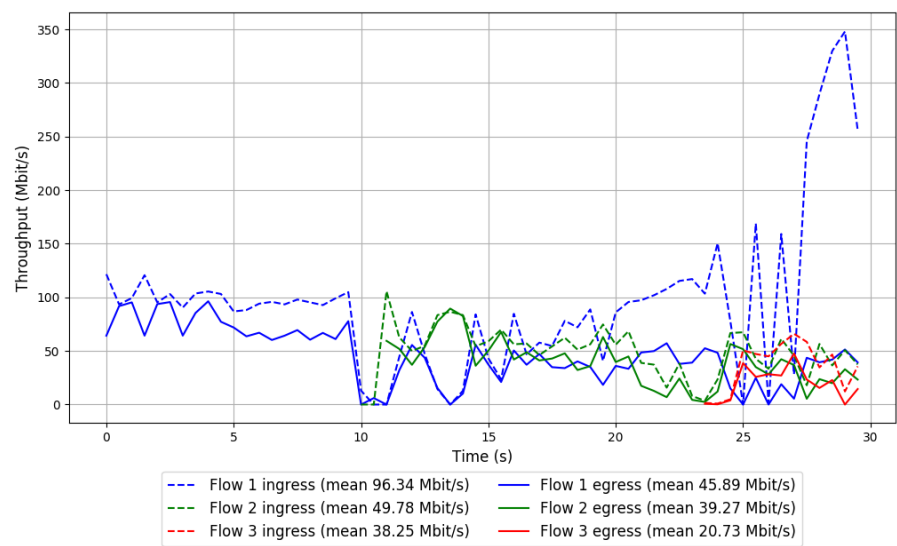
-- Flow 3:

Average throughput: 20.73 Mbit/s

95th percentile per-packet one-way delay: 26.659 ms

Loss rate: 46.06%

Run 7: Report of Verus — Data Link

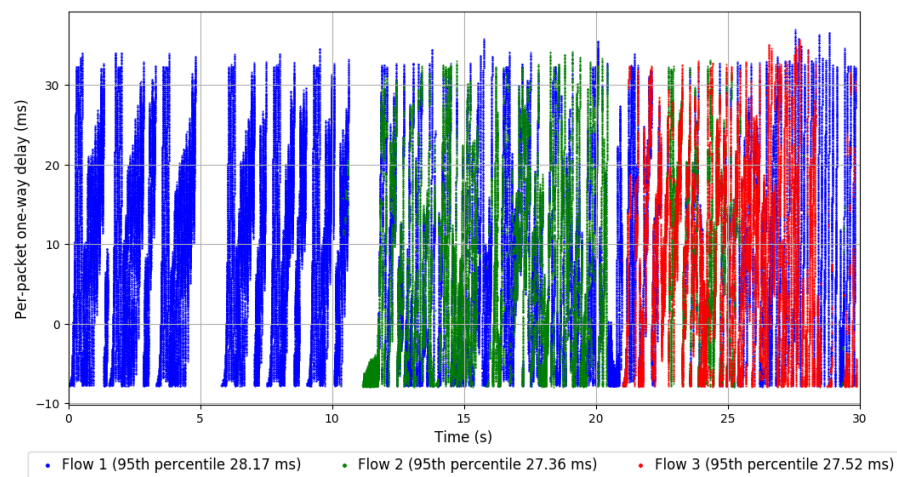
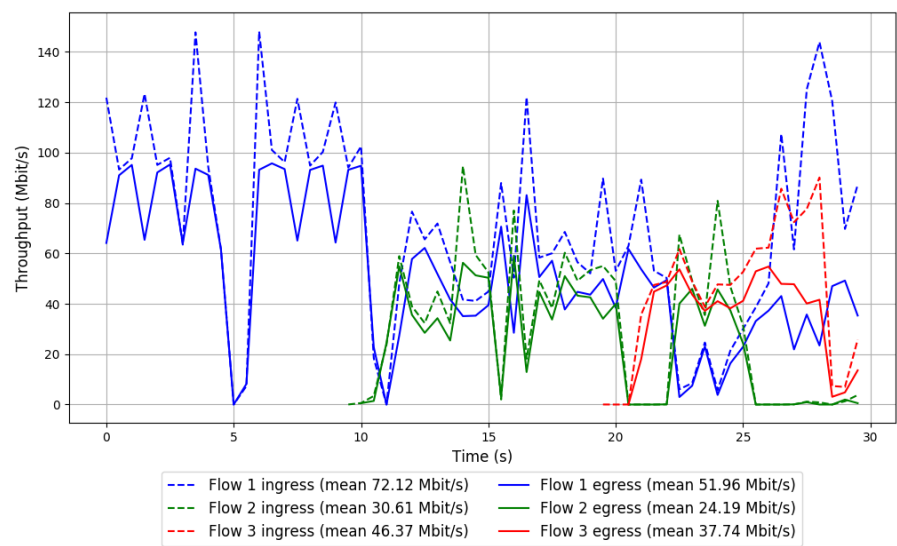


Run 8: Statistics of Verus

Start at: 2018-01-02 12:34:43
End at: 2018-01-02 12:35:13
Local clock offset: -0.075 ms
Remote clock offset: -15.889 ms

Below is generated by plot.py at 2018-01-02 13:54:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.11 Mbit/s
95th percentile per-packet one-way delay: 27.962 ms
Loss rate: 26.48%
-- Flow 1:
Average throughput: 51.96 Mbit/s
95th percentile per-packet one-way delay: 28.171 ms
Loss rate: 27.87%
-- Flow 2:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 27.360 ms
Loss rate: 21.17%
-- Flow 3:
Average throughput: 37.74 Mbit/s
95th percentile per-packet one-way delay: 27.523 ms
Loss rate: 26.94%

Run 8: Report of Verus — Data Link

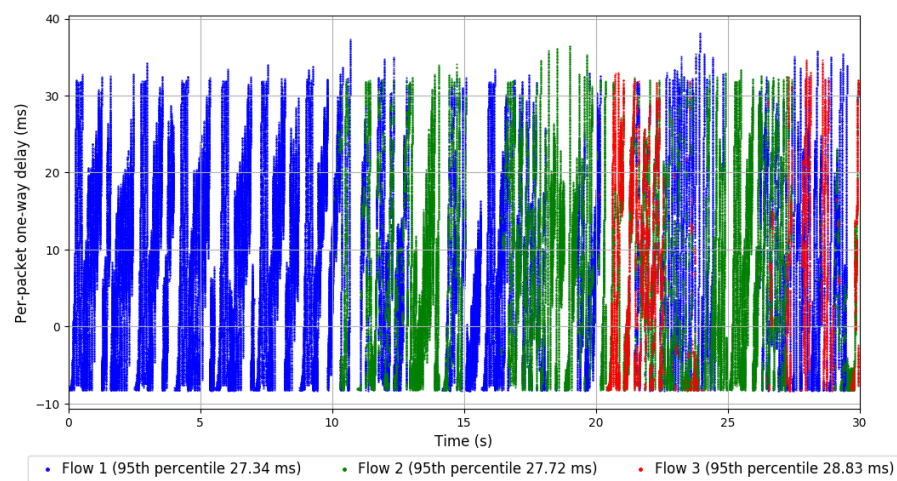
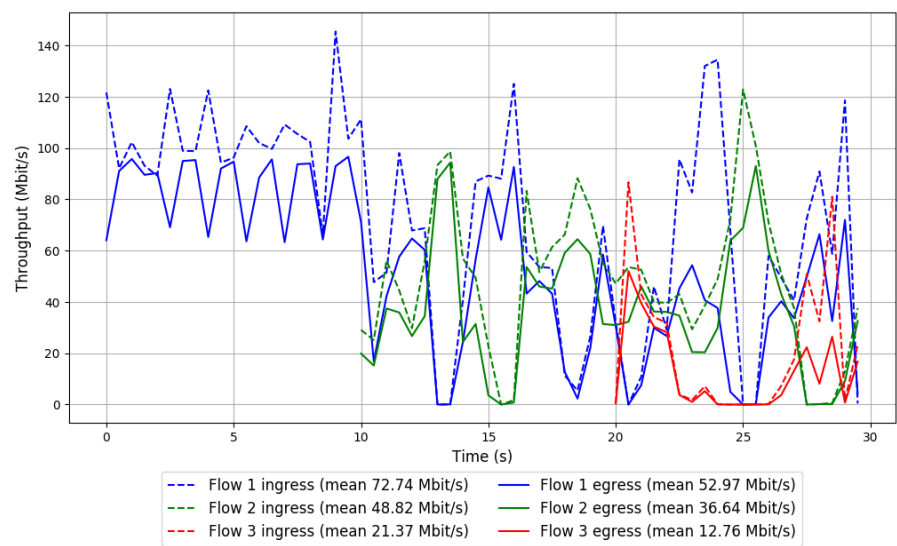


Run 9: Statistics of Verus

Start at: 2018-01-02 12:52:26
End at: 2018-01-02 12:52:56
Local clock offset: -1.257 ms
Remote clock offset: -15.877 ms

Below is generated by plot.py at 2018-01-02 13:54:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.51 Mbit/s
95th percentile per-packet one-way delay: 27.575 ms
Loss rate: 27.33%
-- Flow 1:
Average throughput: 52.97 Mbit/s
95th percentile per-packet one-way delay: 27.341 ms
Loss rate: 27.09%
-- Flow 2:
Average throughput: 36.64 Mbit/s
95th percentile per-packet one-way delay: 27.722 ms
Loss rate: 24.99%
-- Flow 3:
Average throughput: 12.76 Mbit/s
95th percentile per-packet one-way delay: 28.833 ms
Loss rate: 40.48%

Run 9: Report of Verus — Data Link

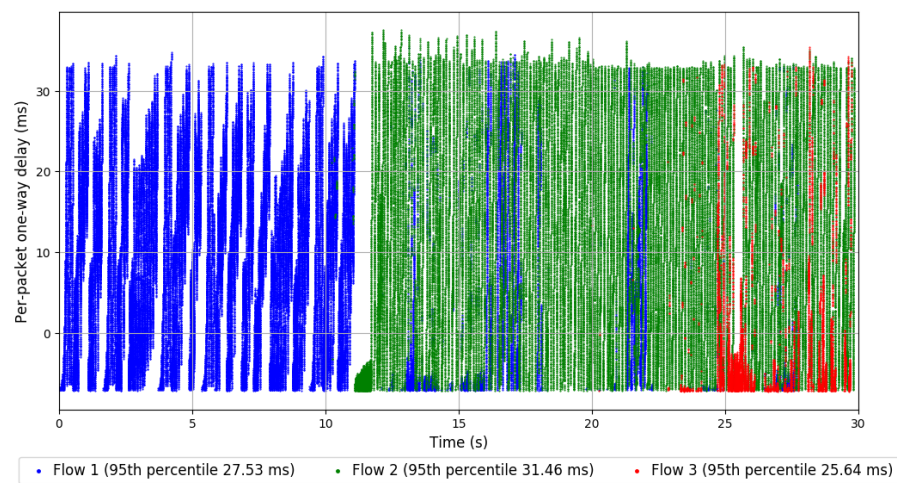
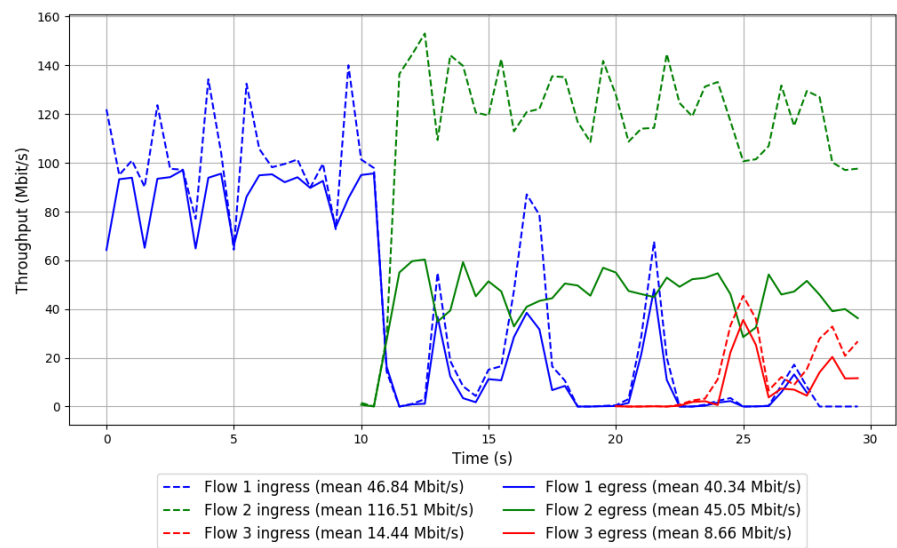


Run 10: Statistics of Verus

Start at: 2018-01-02 13:10:13
End at: 2018-01-02 13:10:43
Local clock offset: -0.738 ms
Remote clock offset: -12.993 ms

Below is generated by plot.py at 2018-01-02 13:54:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.86 Mbit/s
95th percentile per-packet one-way delay: 29.877 ms
Loss rate: 45.42%
-- Flow 1:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 27.533 ms
Loss rate: 19.65%
-- Flow 2:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 31.465 ms
Loss rate: 61.38%
-- Flow 3:
Average throughput: 8.66 Mbit/s
95th percentile per-packet one-way delay: 25.635 ms
Loss rate: 40.71%

Run 10: Report of Verus — Data Link

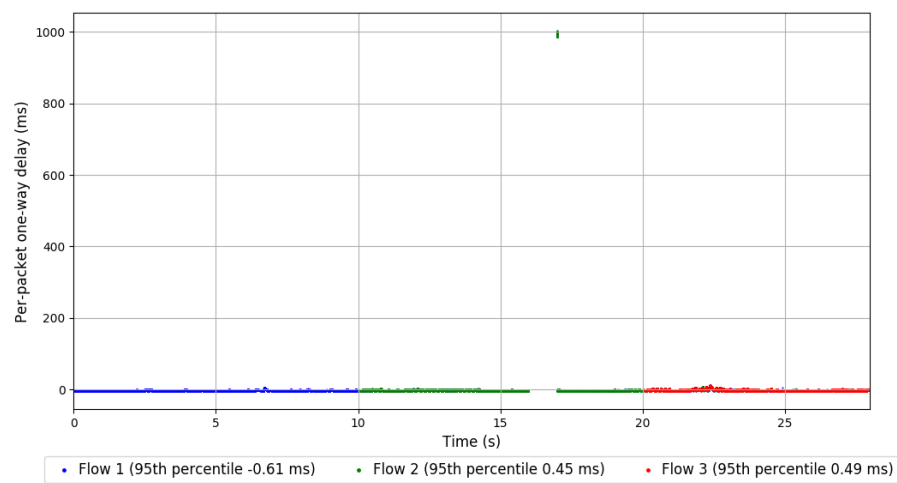
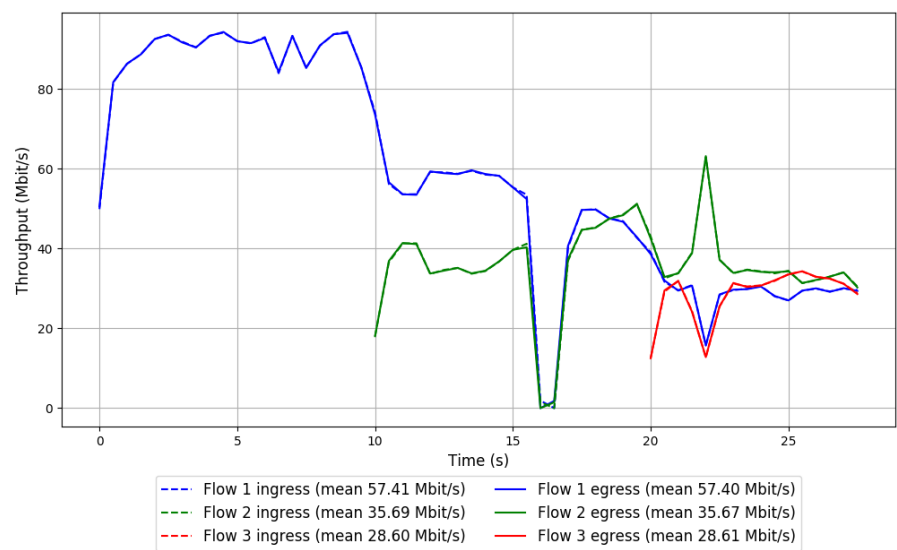


Run 1: Statistics of Copa

Start at: 2018-01-02 10:16:45
End at: 2018-01-02 10:17:15
Local clock offset: 0.954 ms
Remote clock offset: -13.357 ms

Below is generated by plot.py at 2018-01-02 13:55:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: -0.201 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 57.40 Mbit/s
95th percentile per-packet one-way delay: -0.615 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 35.67 Mbit/s
95th percentile per-packet one-way delay: 0.452 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 28.61 Mbit/s
95th percentile per-packet one-way delay: 0.488 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

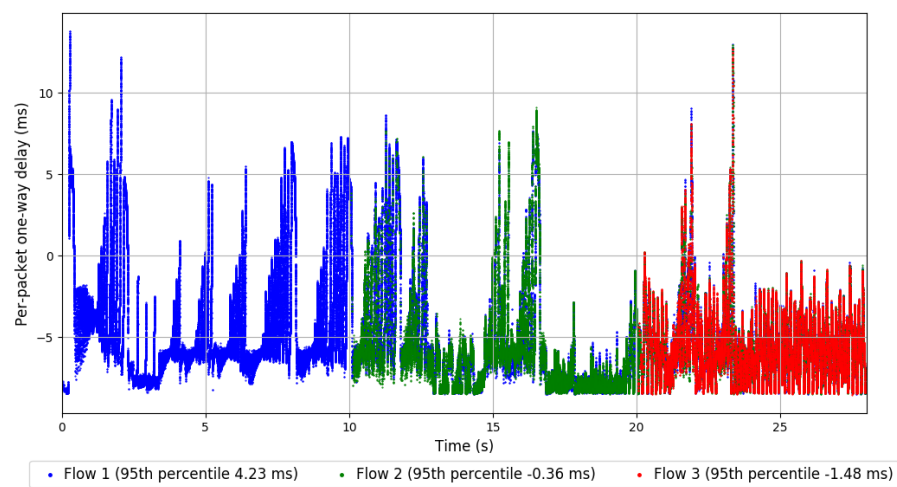
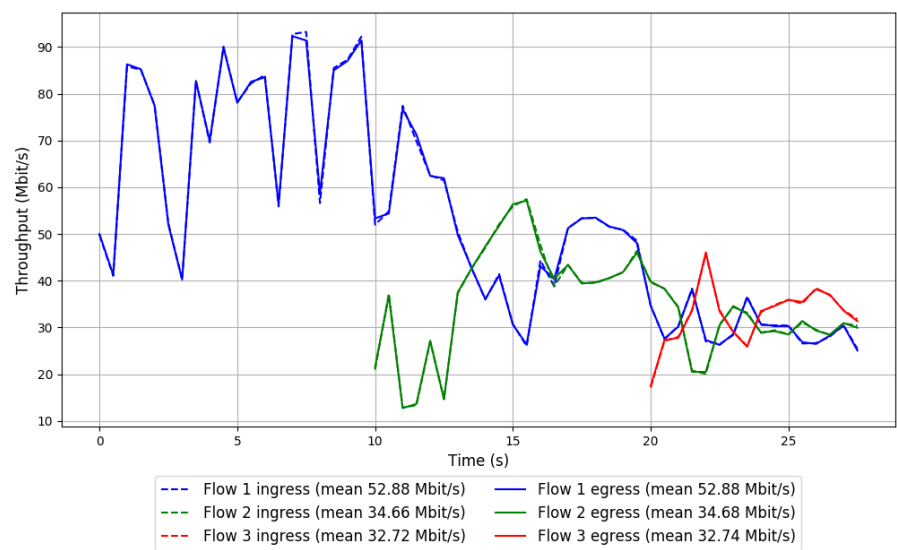


Run 2: Statistics of Copa

Start at: 2018-01-02 10:34:17
End at: 2018-01-02 10:34:47
Local clock offset: 3.234 ms
Remote clock offset: -14.636 ms

Below is generated by plot.py at 2018-01-02 13:55:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 3.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.88 Mbit/s
95th percentile per-packet one-way delay: 4.229 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: -0.364 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.74 Mbit/s
95th percentile per-packet one-way delay: -1.481 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

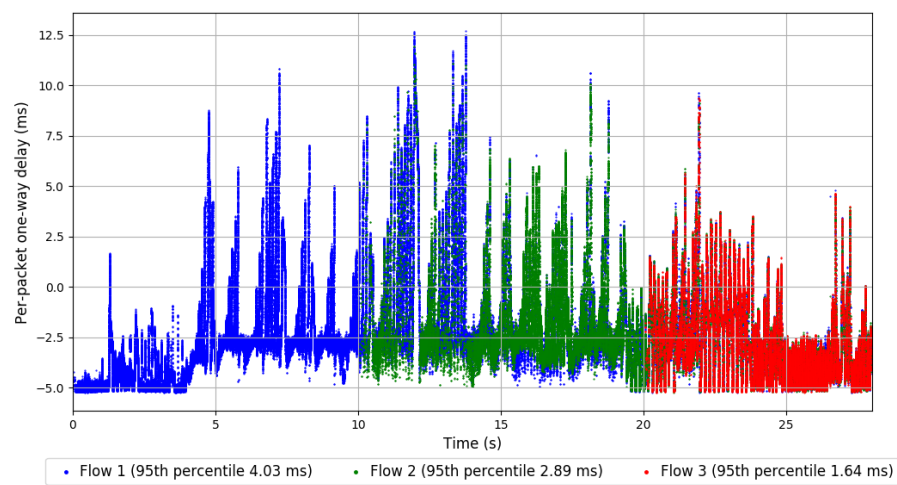
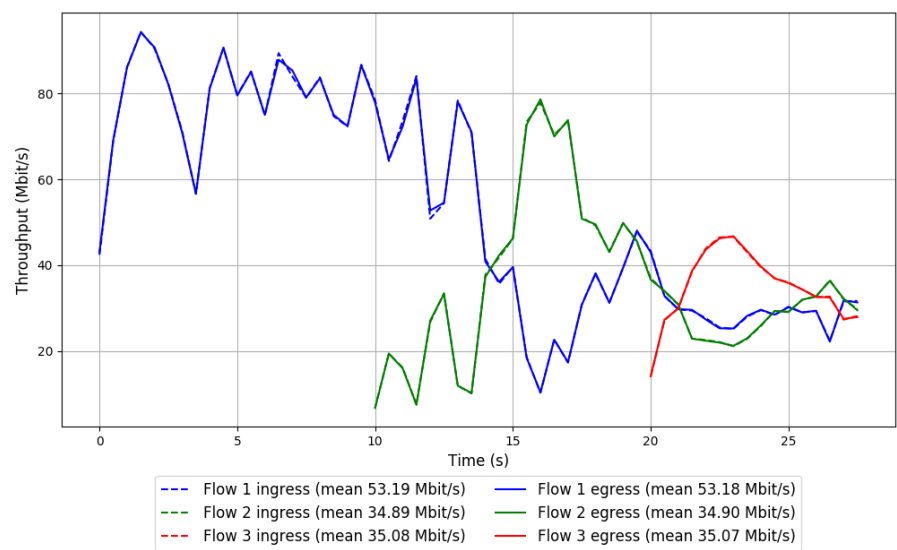


Run 3: Statistics of Copa

Start at: 2018-01-02 10:51:59
End at: 2018-01-02 10:52:29
Local clock offset: -0.083 ms
Remote clock offset: -15.094 ms

Below is generated by plot.py at 2018-01-02 13:56:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.52 Mbit/s
95th percentile per-packet one-way delay: 3.299 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.18 Mbit/s
95th percentile per-packet one-way delay: 4.034 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.90 Mbit/s
95th percentile per-packet one-way delay: 2.891 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 1.643 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

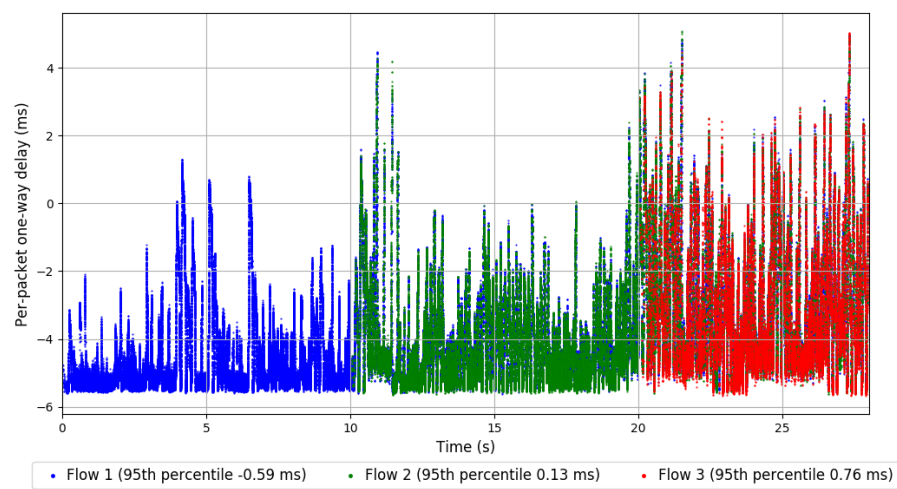
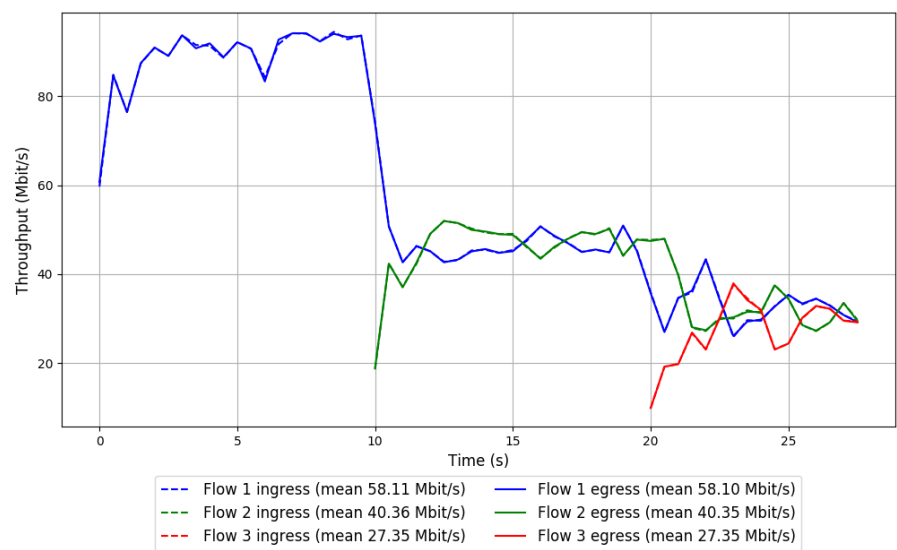


Run 4: Statistics of Copa

Start at: 2018-01-02 11:09:52
End at: 2018-01-02 11:10:22
Local clock offset: -0.112 ms
Remote clock offset: -15.232 ms

Below is generated by plot.py at 2018-01-02 13:56:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: -0.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: -0.590 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 0.126 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.35 Mbit/s
95th percentile per-packet one-way delay: 0.756 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

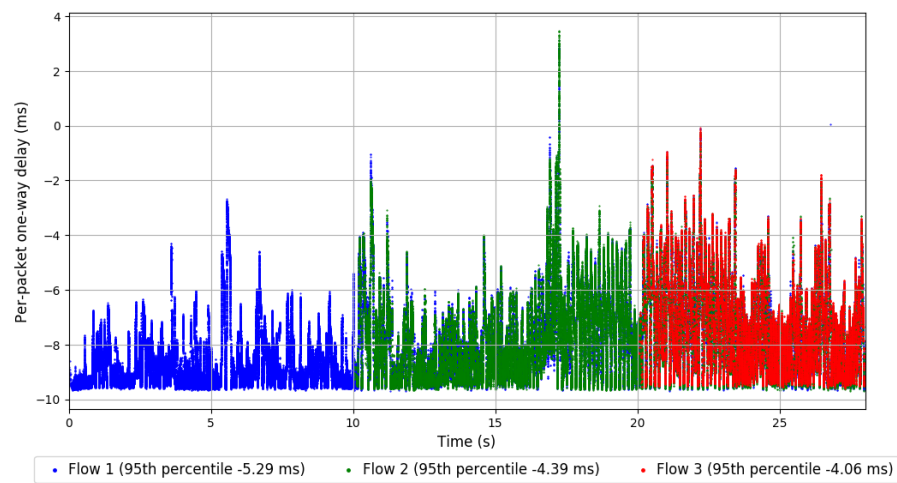
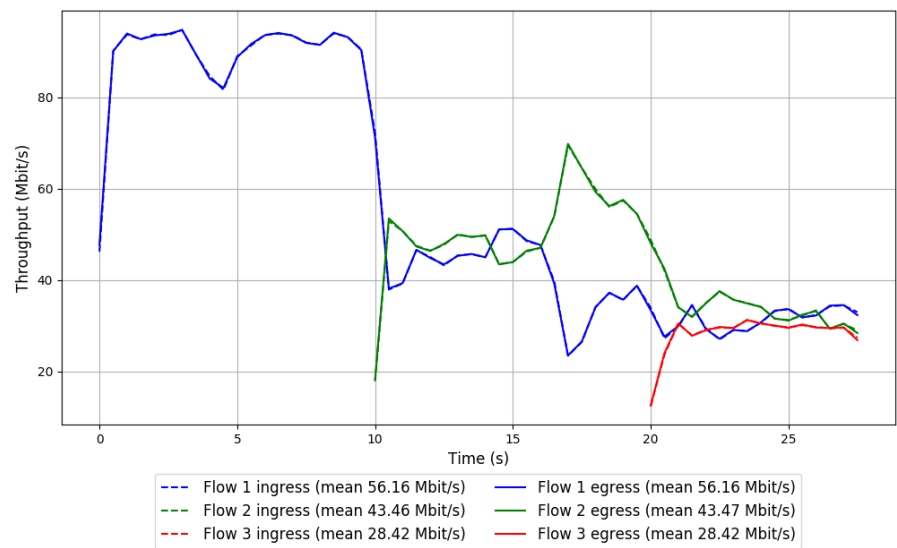


Run 5: Statistics of Copa

Start at: 2018-01-02 11:27:37
End at: 2018-01-02 11:28:07
Local clock offset: 2.533 ms
Remote clock offset: -16.434 ms

Below is generated by plot.py at 2018-01-02 13:56:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: -4.766 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.16 Mbit/s
95th percentile per-packet one-way delay: -5.285 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.47 Mbit/s
95th percentile per-packet one-way delay: -4.392 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.42 Mbit/s
95th percentile per-packet one-way delay: -4.063 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

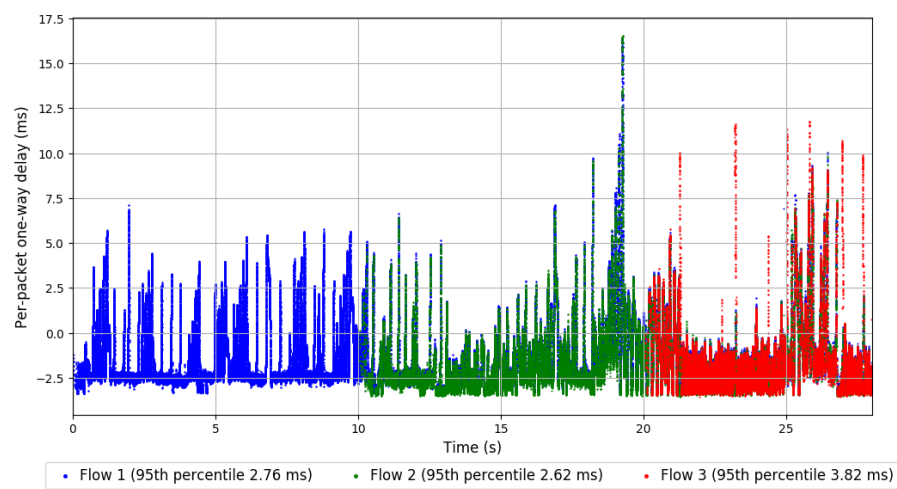
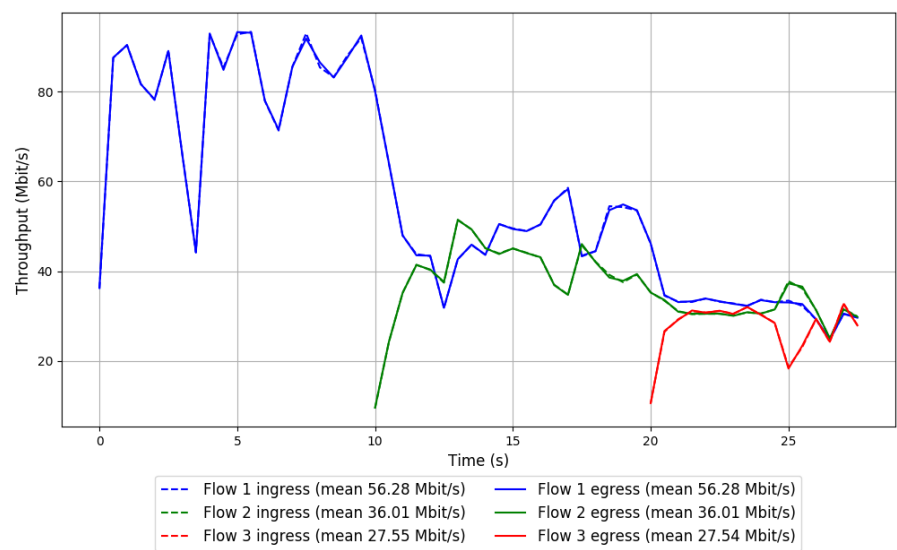


Run 6: Statistics of Copa

Start at: 2018-01-02 11:45:12
End at: 2018-01-02 11:45:42
Local clock offset: -8.441 ms
Remote clock offset: -20.435 ms

Below is generated by plot.py at 2018-01-02 13:56:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: 2.788 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.28 Mbit/s
95th percentile per-packet one-way delay: 2.757 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 2.625 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.54 Mbit/s
95th percentile per-packet one-way delay: 3.823 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

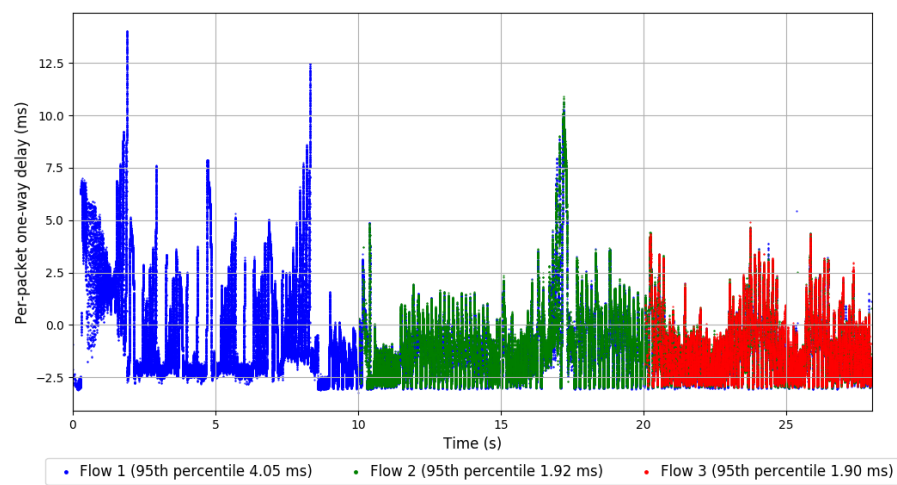
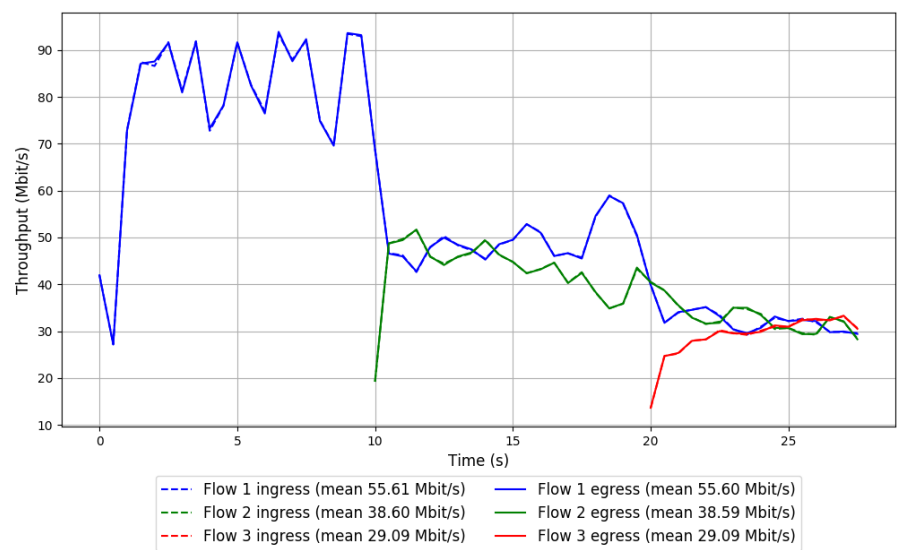


Run 7: Statistics of Copa

Start at: 2018-01-02 12:02:52
End at: 2018-01-02 12:03:22
Local clock offset: -3.701 ms
Remote clock offset: -15.598 ms

Below is generated by plot.py at 2018-01-02 13:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.64 Mbit/s
95th percentile per-packet one-way delay: 3.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.60 Mbit/s
95th percentile per-packet one-way delay: 4.050 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.59 Mbit/s
95th percentile per-packet one-way delay: 1.920 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.09 Mbit/s
95th percentile per-packet one-way delay: 1.899 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

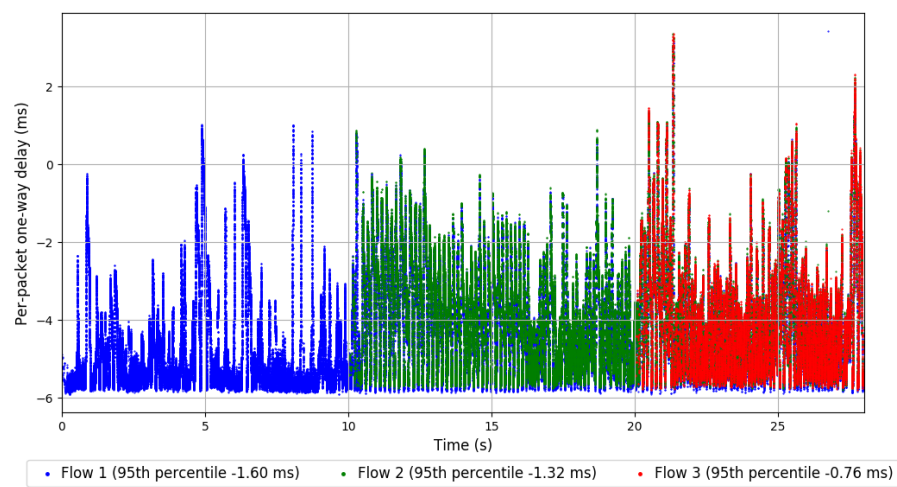
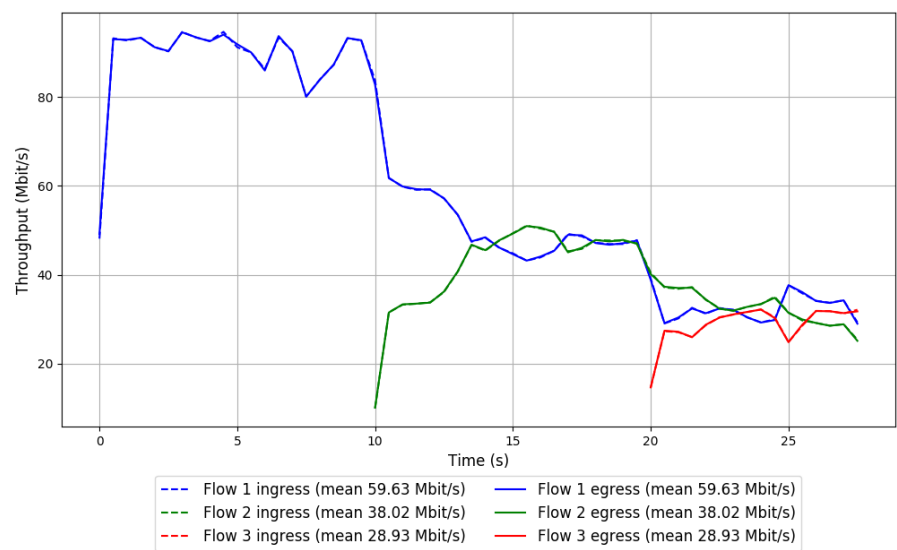


Run 8: Statistics of Copa

Start at: 2018-01-02 12:20:37
End at: 2018-01-02 12:21:07
Local clock offset: -0.684 ms
Remote clock offset: -15.566 ms

Below is generated by plot.py at 2018-01-02 13:57:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.25 Mbit/s
95th percentile per-packet one-way delay: -1.439 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.63 Mbit/s
95th percentile per-packet one-way delay: -1.597 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: -1.320 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: -0.764 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

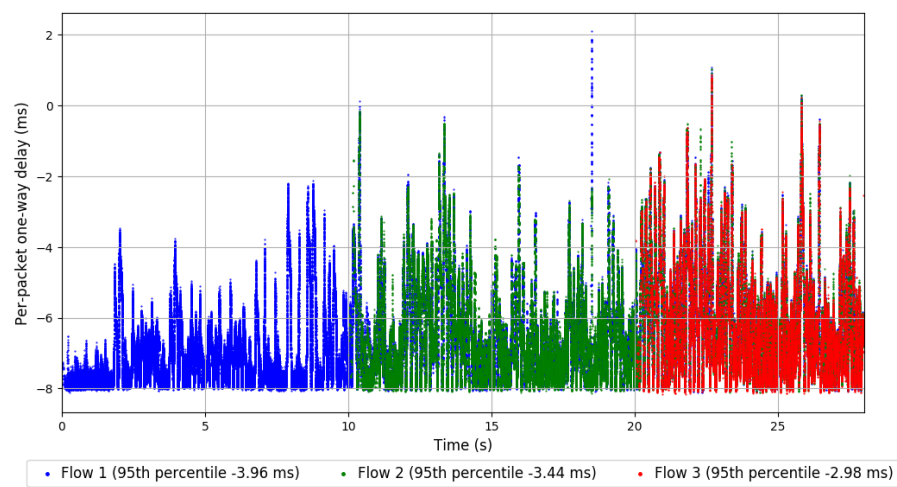
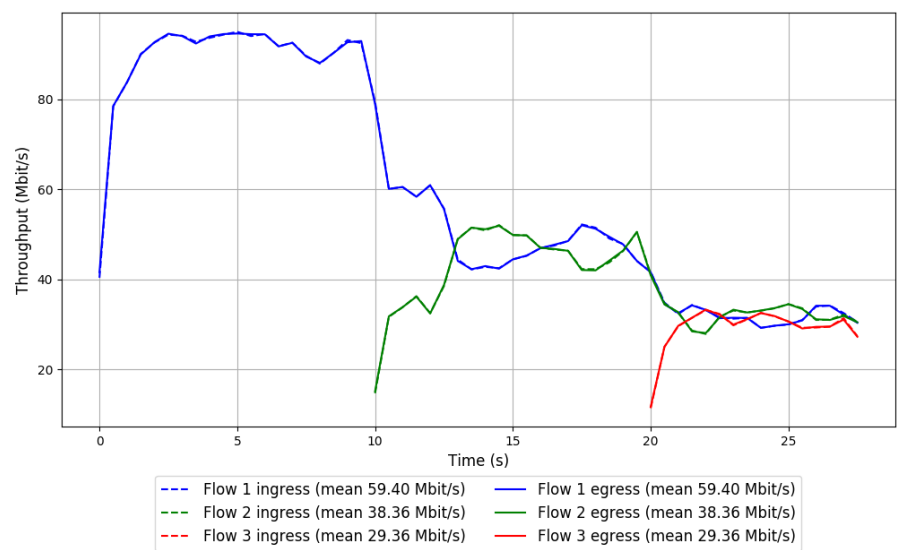


Run 9: Statistics of Copa

Start at: 2018-01-02 12:38:12
End at: 2018-01-02 12:38:42
Local clock offset: 0.206 ms
Remote clock offset: -15.558 ms

Below is generated by plot.py at 2018-01-02 13:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: -3.699 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.40 Mbit/s
95th percentile per-packet one-way delay: -3.964 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.36 Mbit/s
95th percentile per-packet one-way delay: -3.444 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.36 Mbit/s
95th percentile per-packet one-way delay: -2.977 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

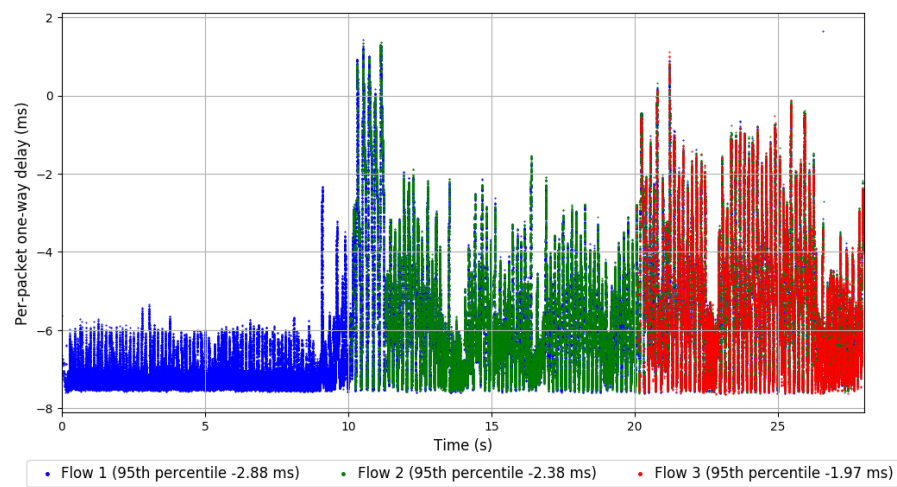
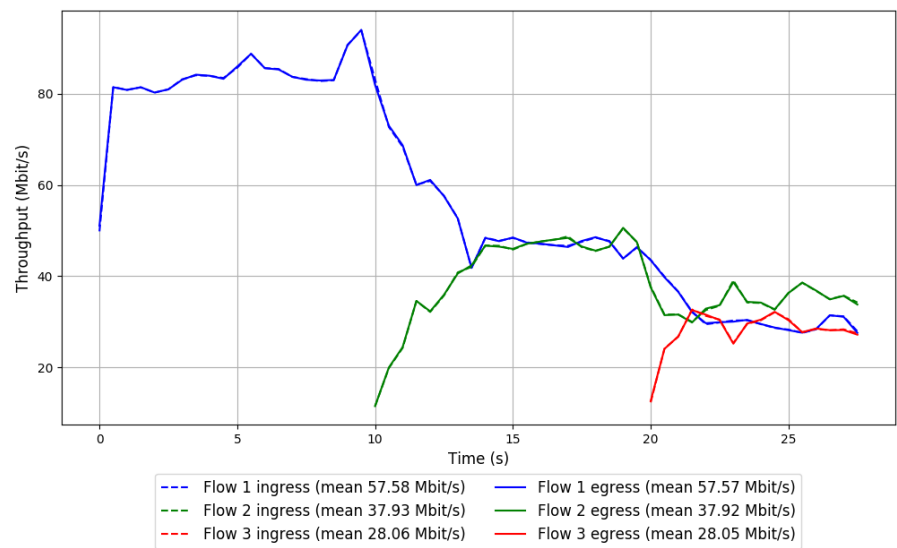


Run 10: Statistics of Copa

Start at: 2018-01-02 12:55:55
End at: 2018-01-02 12:56:25
Local clock offset: -1.821 ms
Remote clock offset: -15.382 ms

Below is generated by plot.py at 2018-01-02 13:58:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: -2.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.57 Mbit/s
95th percentile per-packet one-way delay: -2.882 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.92 Mbit/s
95th percentile per-packet one-way delay: -2.377 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.05 Mbit/s
95th percentile per-packet one-way delay: -1.968 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

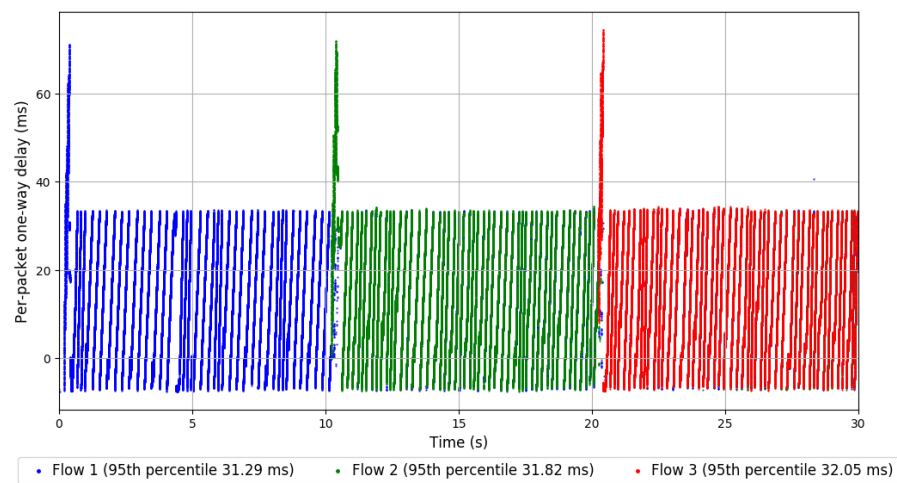
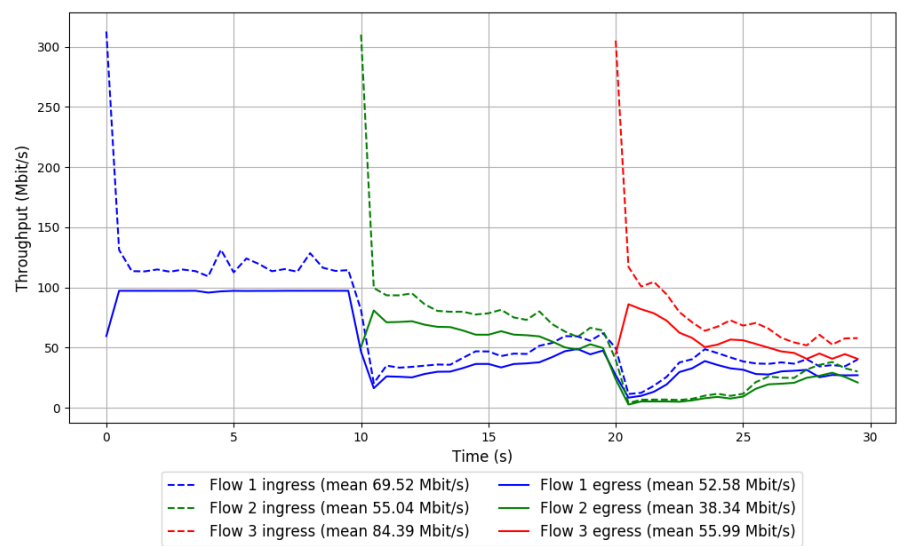


Run 1: Statistics of FillP

Start at: 2018-01-02 10:20:14
End at: 2018-01-02 10:20:44
Local clock offset: 1.068 ms
Remote clock offset: -15.975 ms

Below is generated by plot.py at 2018-01-02 13:58:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 31.562 ms
Loss rate: 27.98%
-- Flow 1:
Average throughput: 52.58 Mbit/s
95th percentile per-packet one-way delay: 31.294 ms
Loss rate: 24.35%
-- Flow 2:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 31.818 ms
Loss rate: 30.40%
-- Flow 3:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 32.052 ms
Loss rate: 33.85%

Run 1: Report of FillP — Data Link

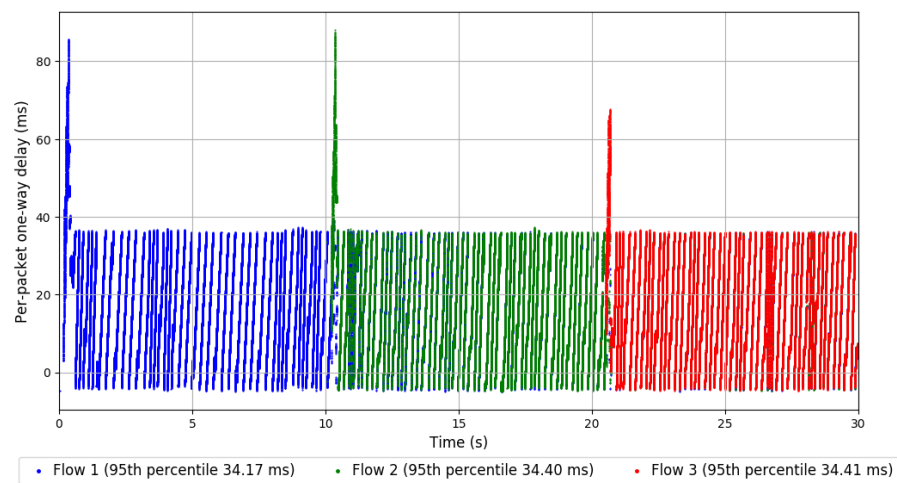
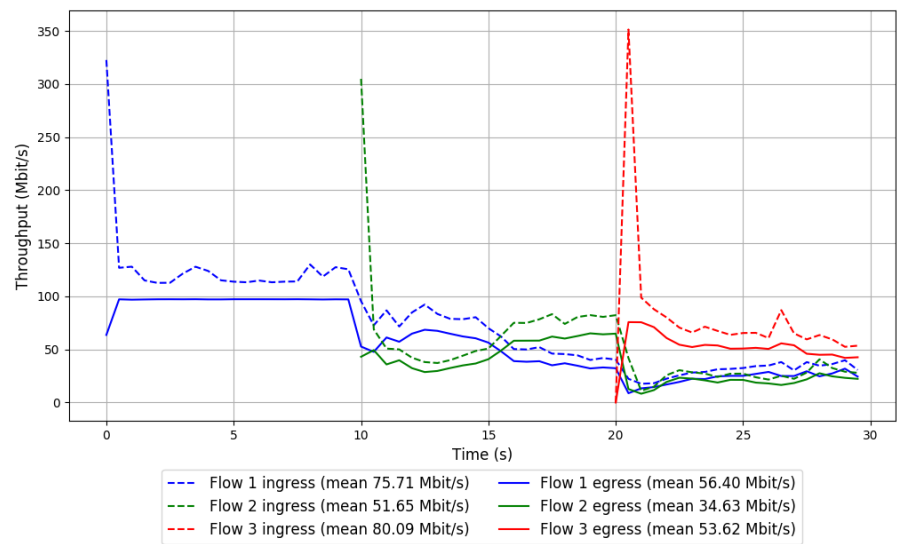


Run 2: Statistics of FillP

Start at: 2018-01-02 10:37:47
End at: 2018-01-02 10:38:17
Local clock offset: -1.253 ms
Remote clock offset: -15.394 ms

Below is generated by plot.py at 2018-01-02 13:58:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 34.267 ms
Loss rate: 29.26%
-- Flow 1:
Average throughput: 56.40 Mbit/s
95th percentile per-packet one-way delay: 34.173 ms
Loss rate: 25.49%
-- Flow 2:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 34.402 ms
Loss rate: 33.05%
-- Flow 3:
Average throughput: 53.62 Mbit/s
95th percentile per-packet one-way delay: 34.405 ms
Loss rate: 35.10%

Run 2: Report of FillP — Data Link

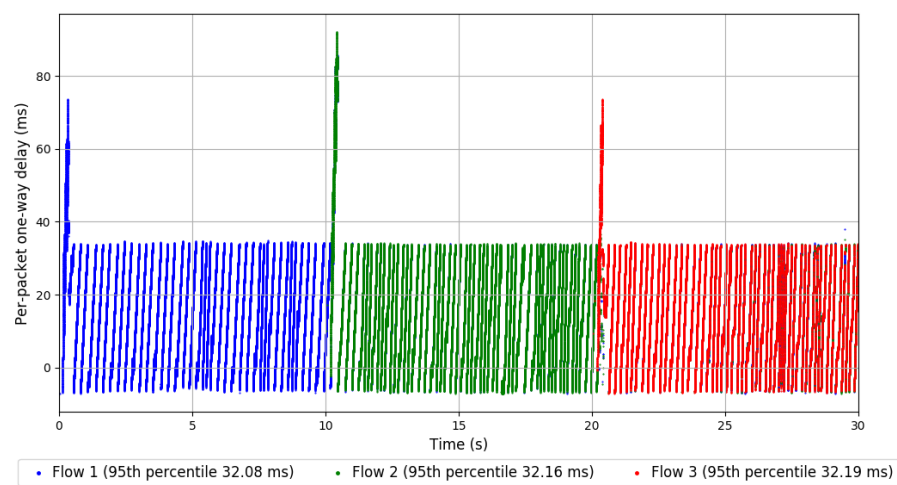
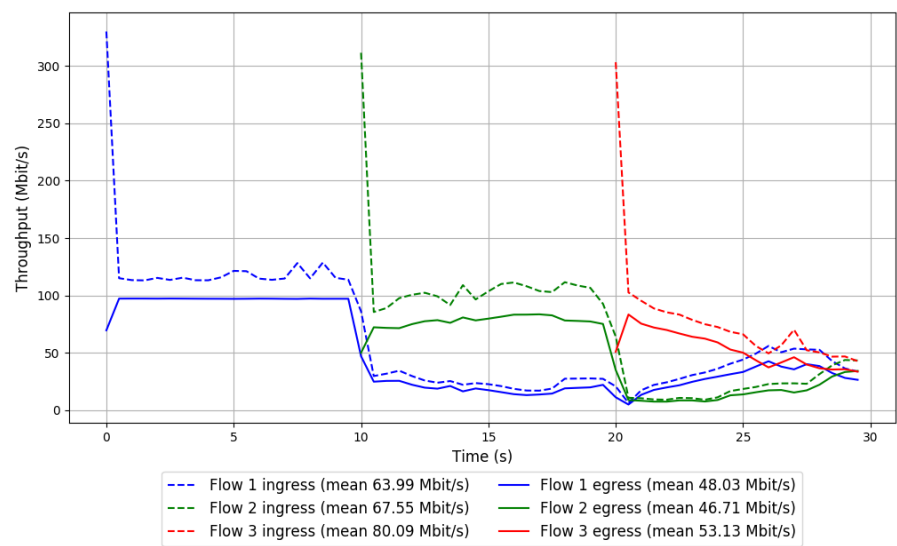


Run 3: Statistics of FillP

Start at: 2018-01-02 10:55:33
End at: 2018-01-02 10:56:03
Local clock offset: -0.54 ms
Remote clock offset: -17.35 ms

Below is generated by plot.py at 2018-01-02 13:58:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 32.128 ms
Loss rate: 28.52%
-- Flow 1:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 32.078 ms
Loss rate: 24.86%
-- Flow 2:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 32.158 ms
Loss rate: 30.78%
-- Flow 3:
Average throughput: 53.13 Mbit/s
95th percentile per-packet one-way delay: 32.186 ms
Loss rate: 33.53%

Run 3: Report of FillP — Data Link

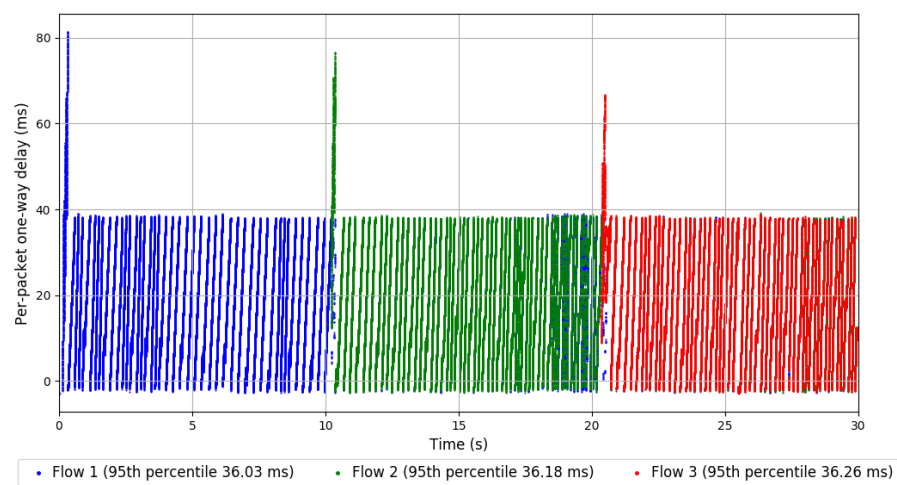
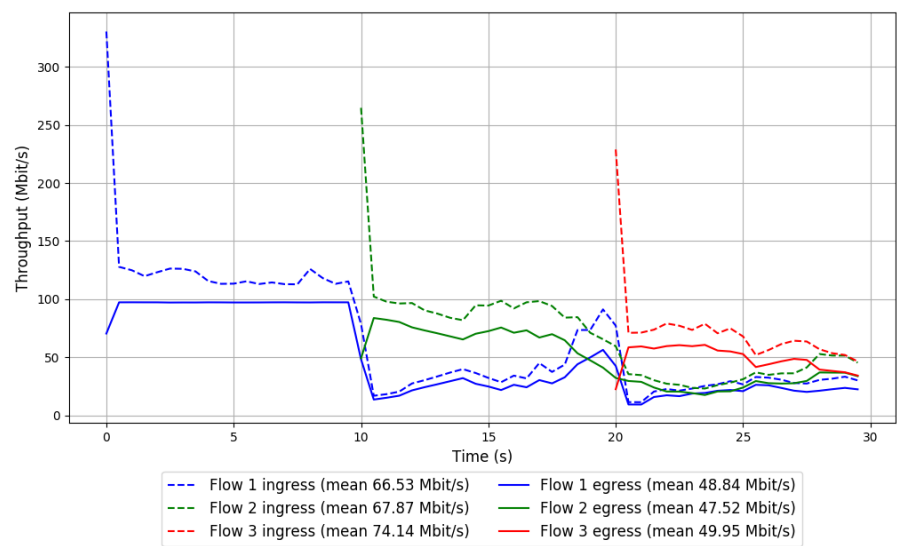


Run 4: Statistics of FillP

Start at: 2018-01-02 11:13:22
End at: 2018-01-02 11:13:52
Local clock offset: -1.803 ms
Remote clock offset: -14.178 ms

Below is generated by plot.py at 2018-01-02 13:58:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 36.120 ms
Loss rate: 28.95%
-- Flow 1:
Average throughput: 48.84 Mbit/s
95th percentile per-packet one-way delay: 36.031 ms
Loss rate: 26.55%
-- Flow 2:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 36.183 ms
Loss rate: 29.97%
-- Flow 3:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 36.256 ms
Loss rate: 33.59%

Run 4: Report of FillP — Data Link

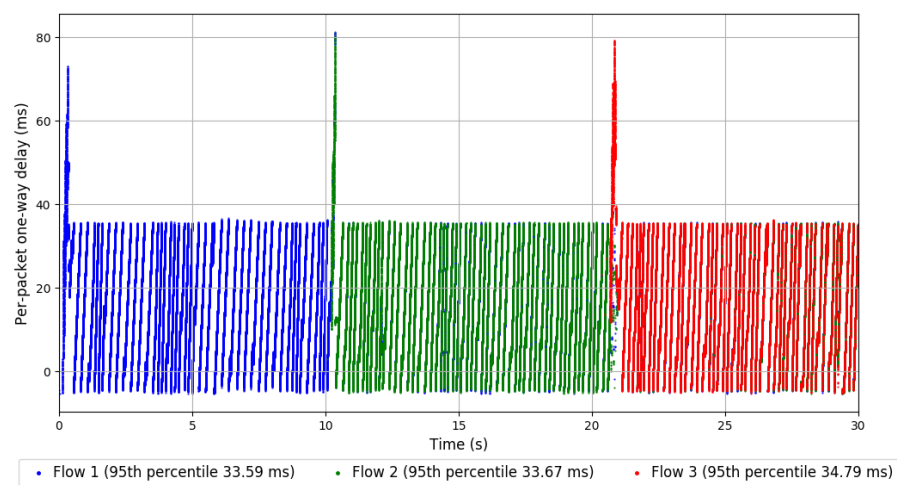
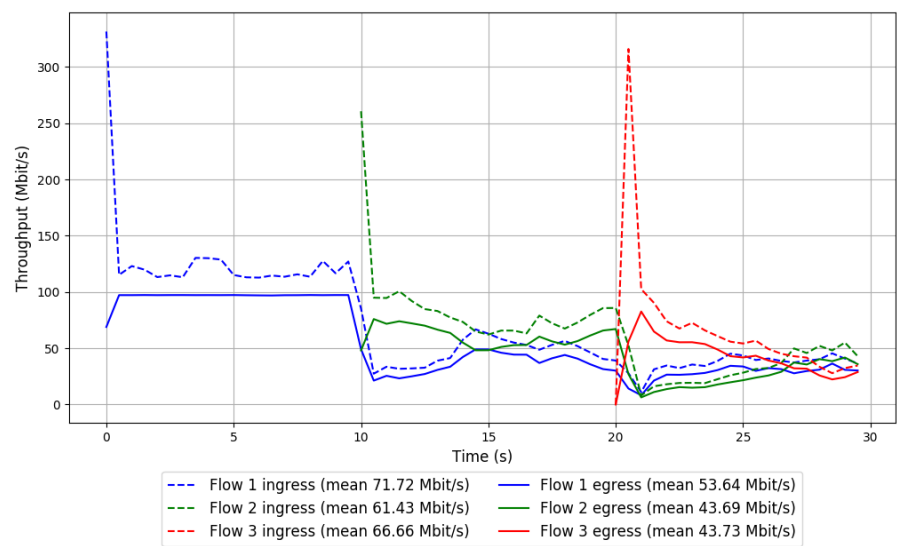


Run 5: Statistics of FillP

Start at: 2018-01-02 11:31:08
End at: 2018-01-02 11:31:38
Local clock offset: -1.507 ms
Remote clock offset: -15.985 ms

Below is generated by plot.py at 2018-01-02 13:58:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 33.781 ms
Loss rate: 28.09%
-- Flow 1:
Average throughput: 53.64 Mbit/s
95th percentile per-packet one-way delay: 33.585 ms
Loss rate: 25.10%
-- Flow 2:
Average throughput: 43.69 Mbit/s
95th percentile per-packet one-way delay: 33.667 ms
Loss rate: 28.88%
-- Flow 3:
Average throughput: 43.73 Mbit/s
95th percentile per-packet one-way delay: 34.792 ms
Loss rate: 36.32%

Run 5: Report of FillP — Data Link

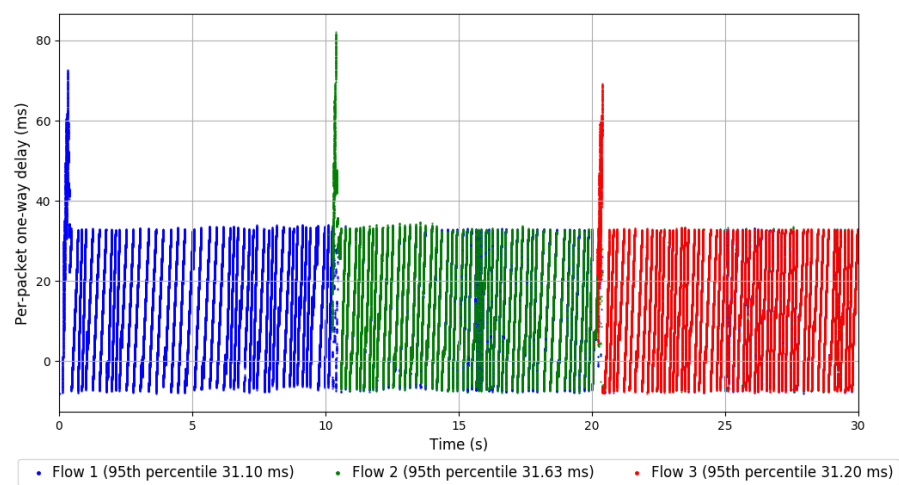
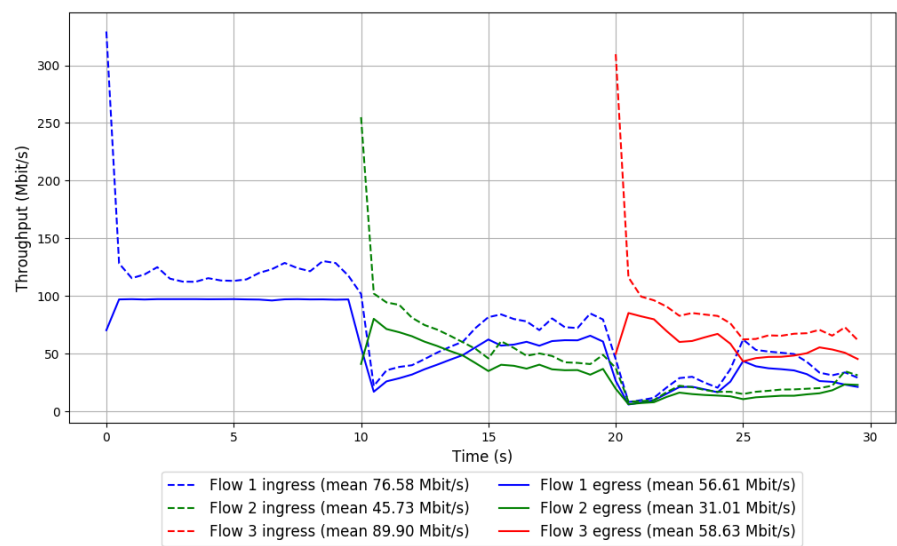


Run 6: Statistics of FillP

Start at: 2018-01-02 11:48:46
End at: 2018-01-02 11:49:16
Local clock offset: -0.01 ms
Remote clock offset: -16.461 ms

Below is generated by plot.py at 2018-01-02 13:58:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: 31.223 ms
Loss rate: 29.32%
-- Flow 1:
Average throughput: 56.61 Mbit/s
95th percentile per-packet one-way delay: 31.096 ms
Loss rate: 26.05%
-- Flow 2:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 31.628 ms
Loss rate: 32.22%
-- Flow 3:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 31.195 ms
Loss rate: 34.74%

Run 6: Report of FillP — Data Link

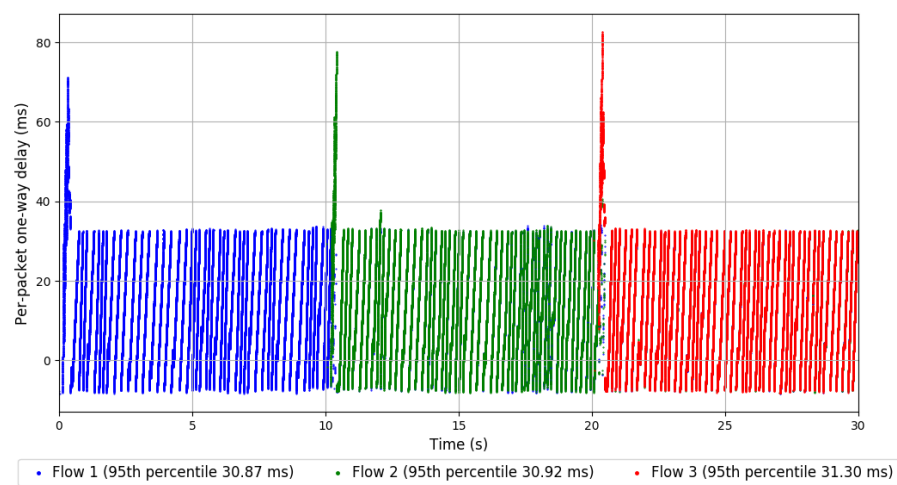
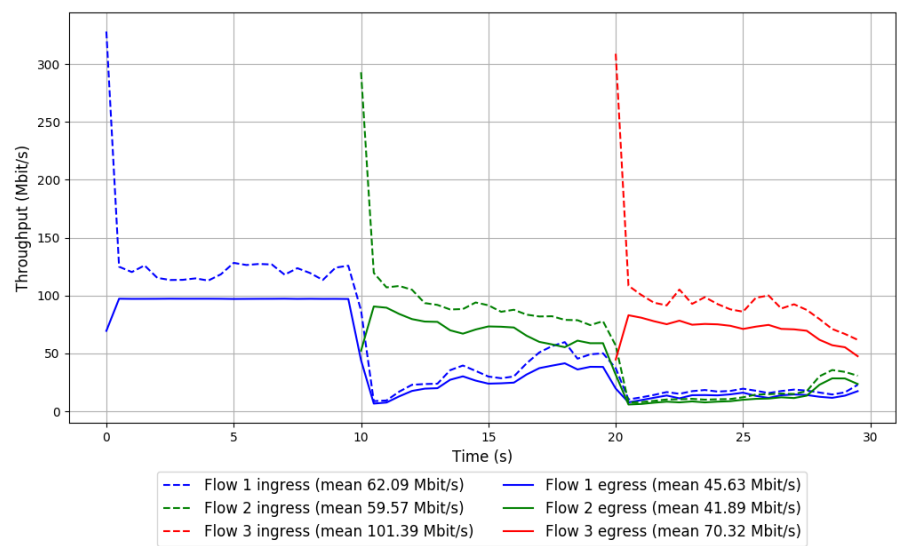


Run 7: Statistics of FillP

Start at: 2018-01-02 12:06:22
End at: 2018-01-02 12:06:52
Local clock offset: 0.875 ms
Remote clock offset: -16.522 ms

Below is generated by plot.py at 2018-01-02 13:59:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 30.976 ms
Loss rate: 28.55%
-- Flow 1:
Average throughput: 45.63 Mbit/s
95th percentile per-packet one-way delay: 30.868 ms
Loss rate: 26.51%
-- Flow 2:
Average throughput: 41.89 Mbit/s
95th percentile per-packet one-way delay: 30.918 ms
Loss rate: 29.79%
-- Flow 3:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 31.298 ms
Loss rate: 30.87%

Run 7: Report of FillP — Data Link

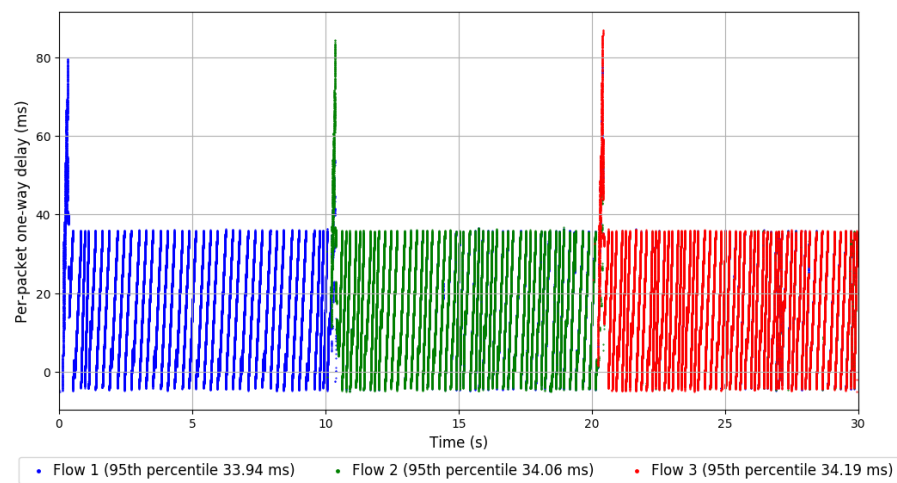
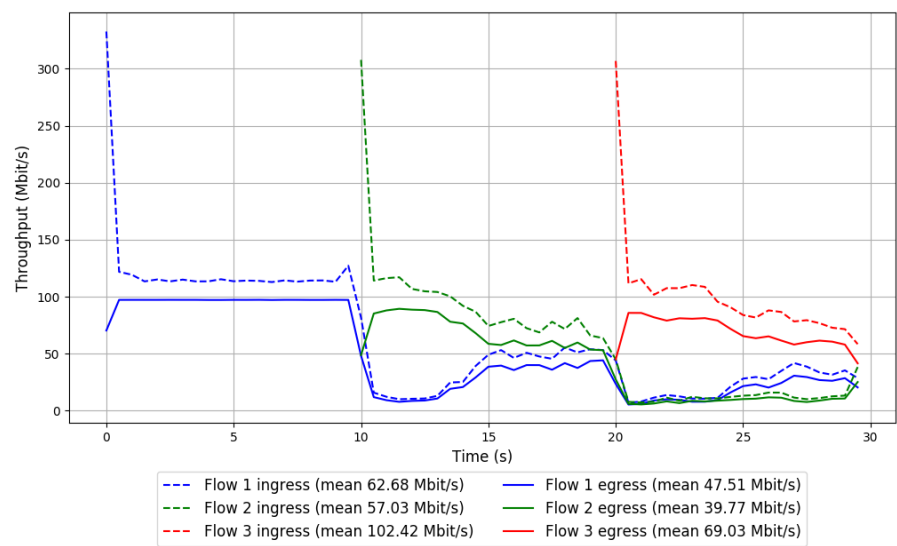


Run 8: Statistics of FillP

Start at: 2018-01-02 12:24:08
End at: 2018-01-02 12:24:38
Local clock offset: -1.232 ms
Remote clock offset: -15.073 ms

Below is generated by plot.py at 2018-01-02 13:59:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 34.034 ms
Loss rate: 28.11%
-- Flow 1:
Average throughput: 47.51 Mbit/s
95th percentile per-packet one-way delay: 33.943 ms
Loss rate: 24.21%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 34.064 ms
Loss rate: 30.38%
-- Flow 3:
Average throughput: 69.03 Mbit/s
95th percentile per-packet one-way delay: 34.190 ms
Loss rate: 32.77%

Run 8: Report of FillP — Data Link

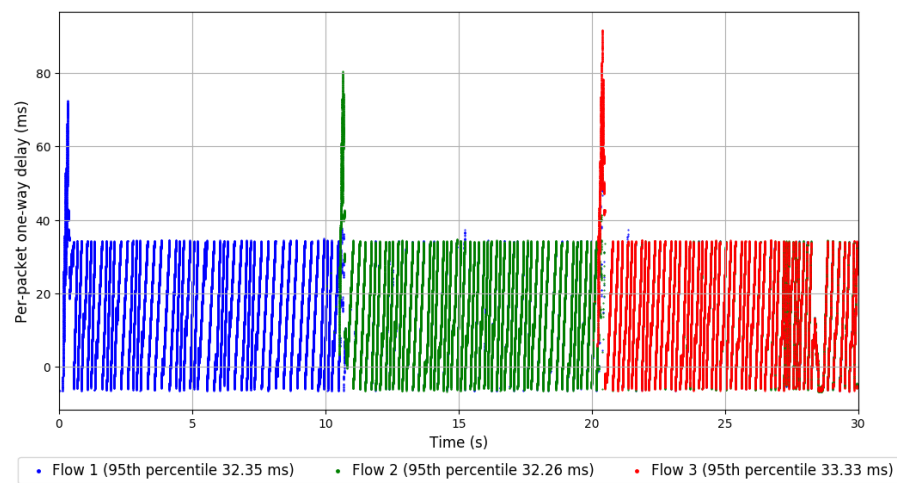
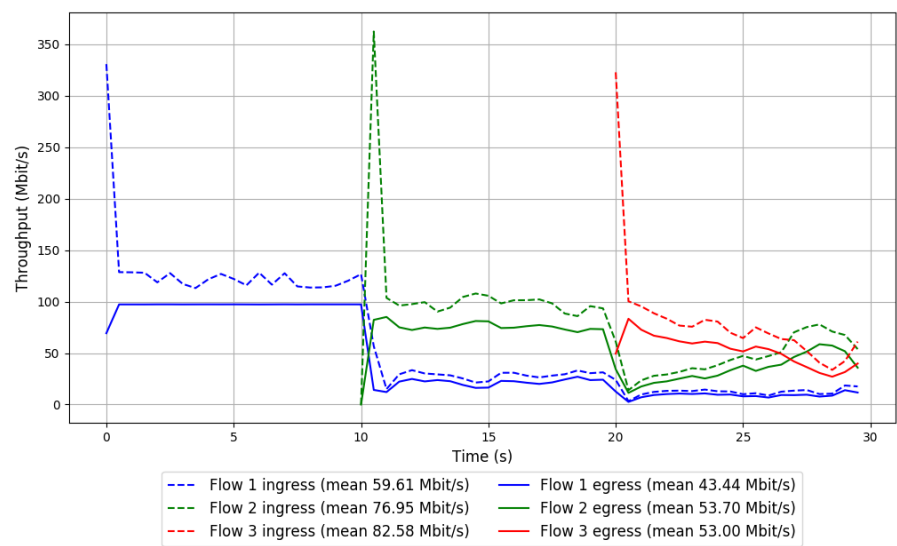


Run 9: Statistics of FillP

Start at: 2018-01-02 12:41:47
End at: 2018-01-02 12:42:17
Local clock offset: -2.237 ms
Remote clock offset: -16.156 ms

Below is generated by plot.py at 2018-01-02 14:00:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: 32.481 ms
Loss rate: 30.04%
-- Flow 1:
Average throughput: 43.44 Mbit/s
95th percentile per-packet one-way delay: 32.351 ms
Loss rate: 27.13%
-- Flow 2:
Average throughput: 53.70 Mbit/s
95th percentile per-packet one-way delay: 32.255 ms
Loss rate: 30.30%
-- Flow 3:
Average throughput: 53.00 Mbit/s
95th percentile per-packet one-way delay: 33.331 ms
Loss rate: 35.90%

Run 9: Report of FillP — Data Link

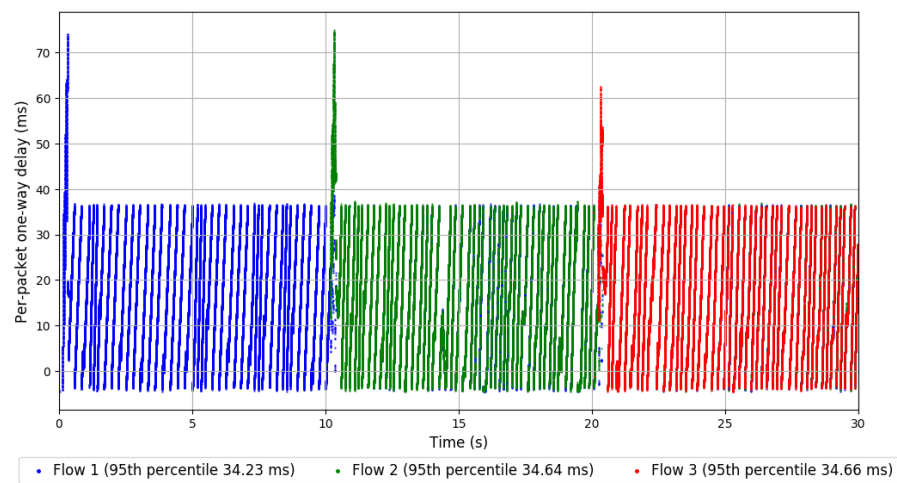
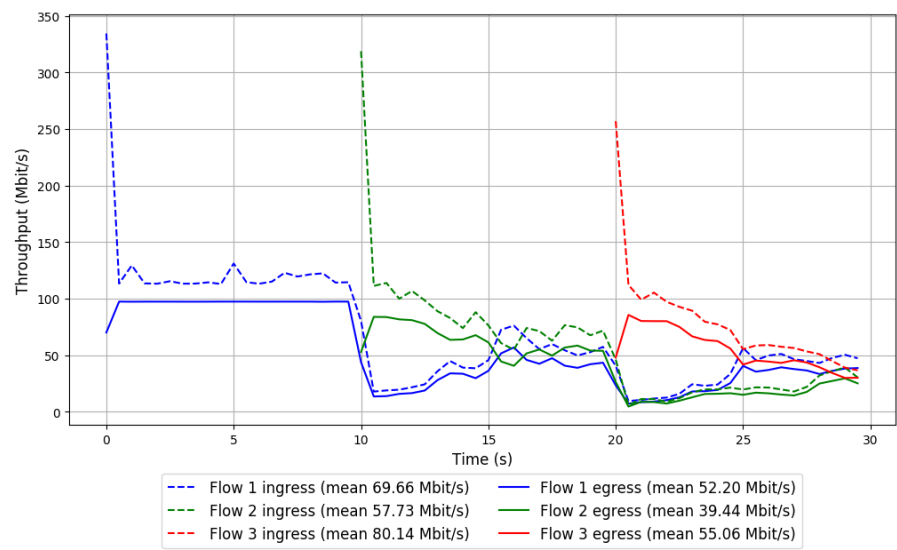


Run 10: Statistics of FillP

Start at: 2018-01-02 12:59:30
End at: 2018-01-02 13:00:00
Local clock offset: -7.249 ms
Remote clock offset: -17.251 ms

Below is generated by plot.py at 2018-01-02 14:00:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: 34.414 ms
Loss rate: 28.12%
-- Flow 1:
Average throughput: 52.20 Mbit/s
95th percentile per-packet one-way delay: 34.226 ms
Loss rate: 24.98%
-- Flow 2:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 34.639 ms
Loss rate: 31.58%
-- Flow 3:
Average throughput: 55.06 Mbit/s
95th percentile per-packet one-way delay: 34.660 ms
Loss rate: 31.34%

Run 10: Report of FillP — Data Link

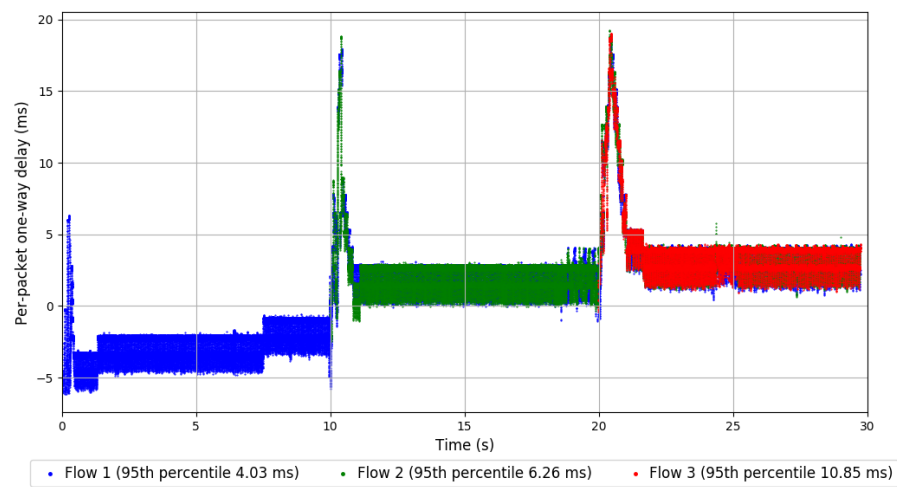
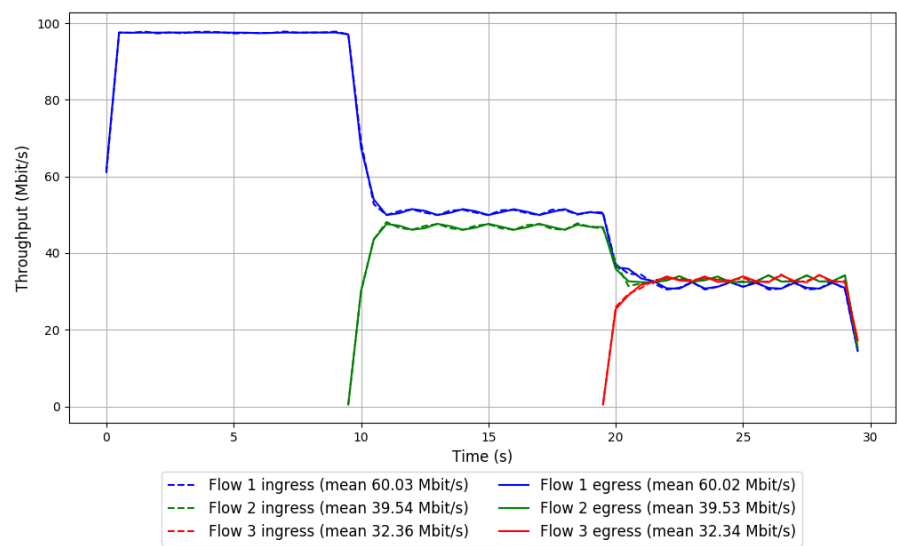


```
Run 1: Statistics of Indigo

Start at: 2018-01-02 10:27:12
End at: 2018-01-02 10:27:42
Local clock offset: 0.784 ms
Remote clock offset: -14.776 ms

# Below is generated by plot.py at 2018-01-02 14:00:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 5.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.02 Mbit/s
95th percentile per-packet one-way delay: 4.031 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.53 Mbit/s
95th percentile per-packet one-way delay: 6.261 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 10.849 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

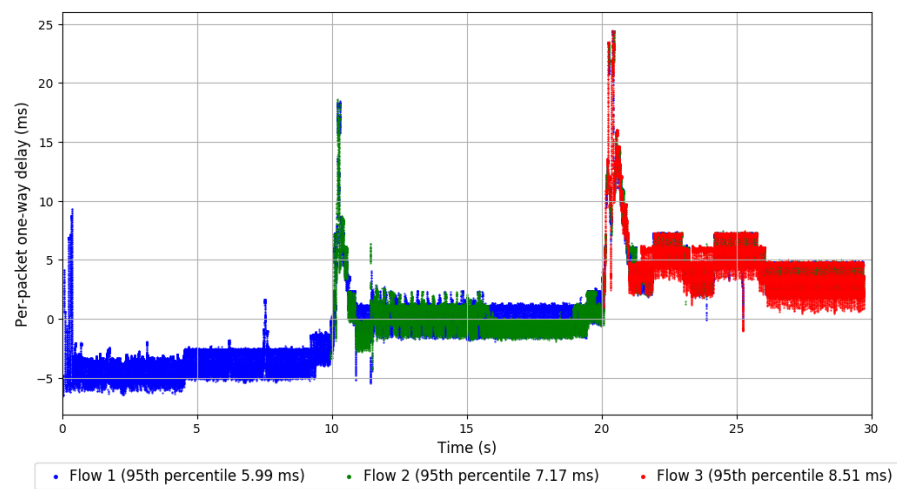
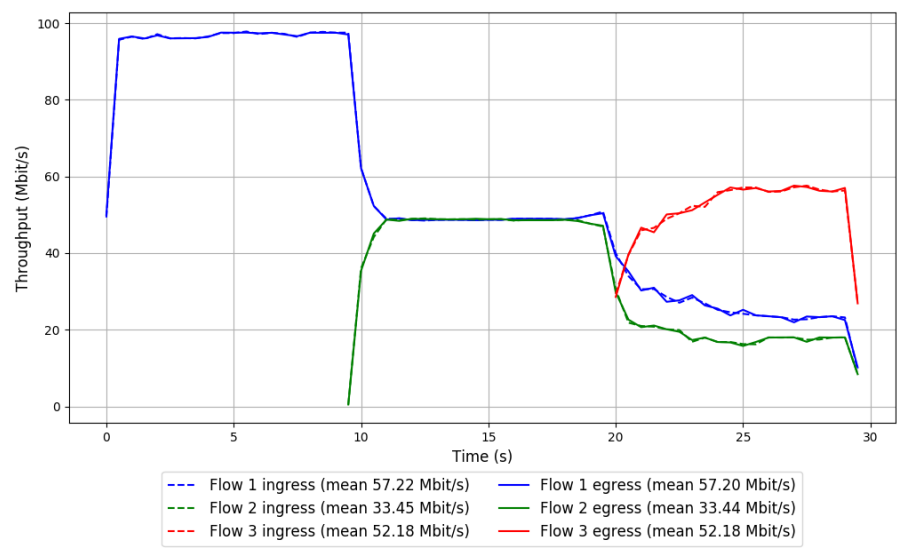


Run 2: Statistics of Indigo

Start at: 2018-01-02 10:44:57
End at: 2018-01-02 10:45:27
Local clock offset: -0.345 ms
Remote clock offset: -16.245 ms

Below is generated by plot.py at 2018-01-02 14:00:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 7.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.20 Mbit/s
95th percentile per-packet one-way delay: 5.993 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.44 Mbit/s
95th percentile per-packet one-way delay: 7.171 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.18 Mbit/s
95th percentile per-packet one-way delay: 8.510 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

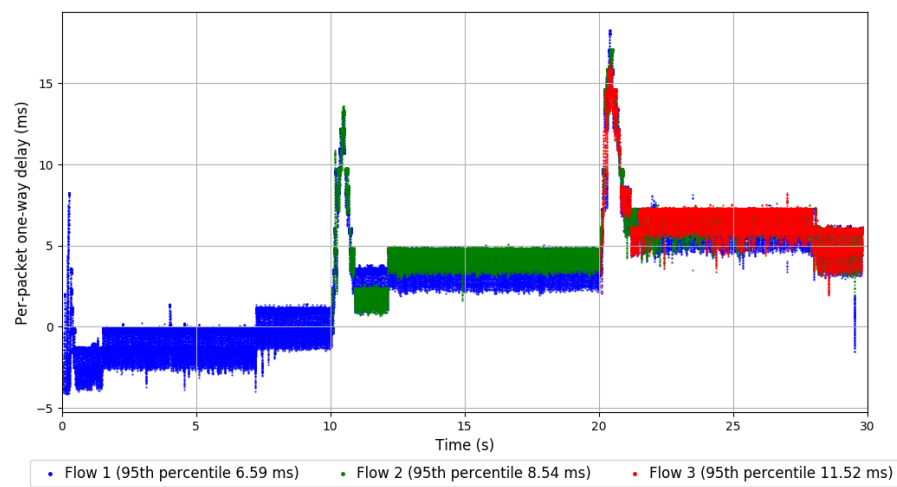
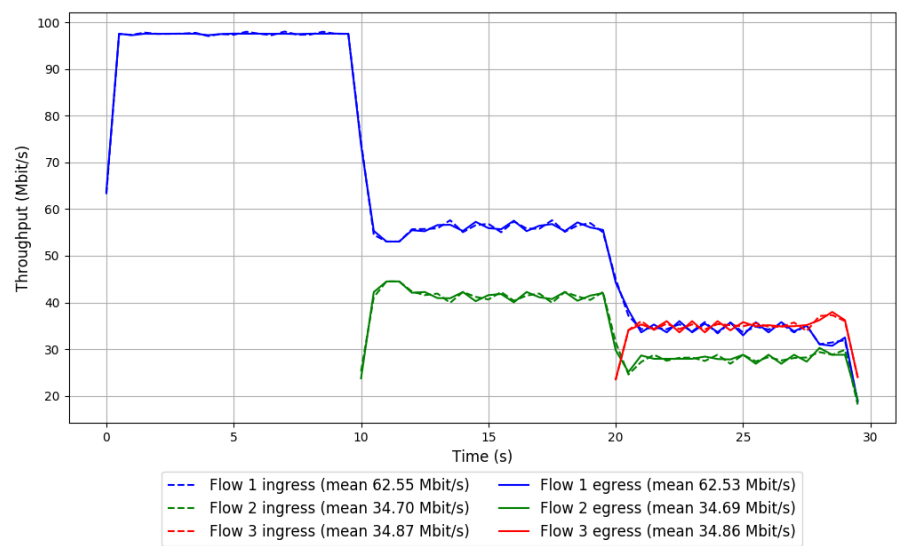


Run 3: Statistics of Indigo

Start at: 2018-01-02 11:02:49
End at: 2018-01-02 11:03:19
Local clock offset: -2.024 ms
Remote clock offset: -15.837 ms

Below is generated by plot.py at 2018-01-02 14:00:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: 7.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.53 Mbit/s
95th percentile per-packet one-way delay: 6.586 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.69 Mbit/s
95th percentile per-packet one-way delay: 8.537 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 11.517 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

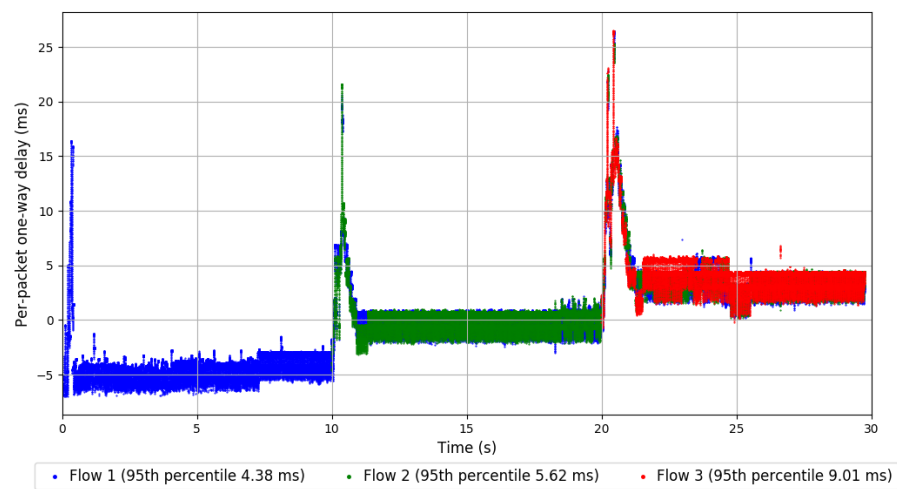
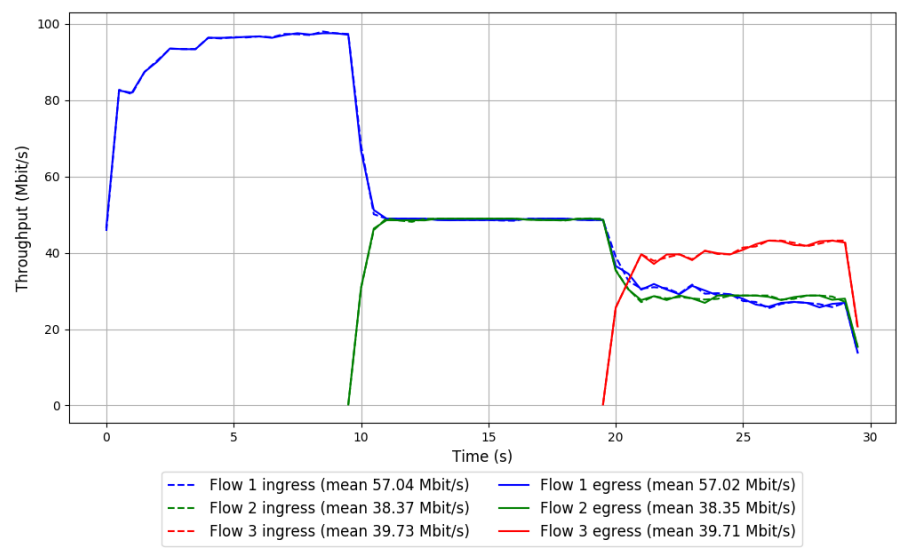


Run 4: Statistics of Indigo

Start at: 2018-01-02 11:20:33
End at: 2018-01-02 11:21:03
Local clock offset: 0.125 ms
Remote clock offset: -16.338 ms

Below is generated by plot.py at 2018-01-02 14:00:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 5.558 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.02 Mbit/s
95th percentile per-packet one-way delay: 4.383 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.35 Mbit/s
95th percentile per-packet one-way delay: 5.616 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 9.005 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

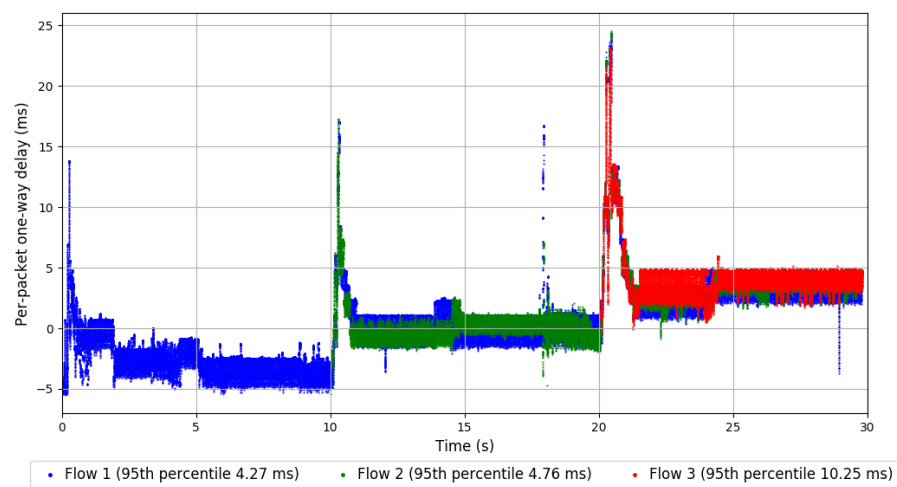
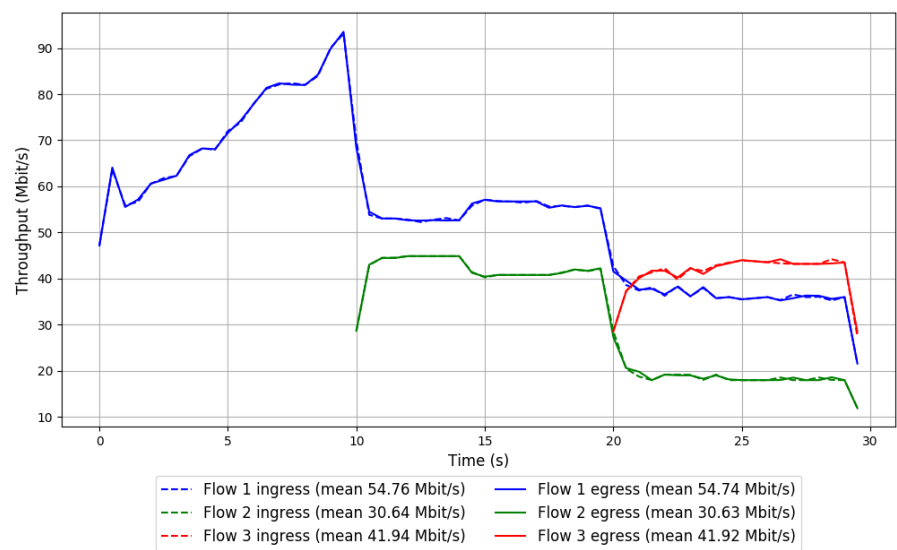


Run 5: Statistics of Indigo

Start at: 2018-01-02 11:38:10
End at: 2018-01-02 11:38:40
Local clock offset: -0.709 ms
Remote clock offset: -15.049 ms

Below is generated by plot.py at 2018-01-02 14:00:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 4.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.74 Mbit/s
95th percentile per-packet one-way delay: 4.270 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 4.756 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.92 Mbit/s
95th percentile per-packet one-way delay: 10.253 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

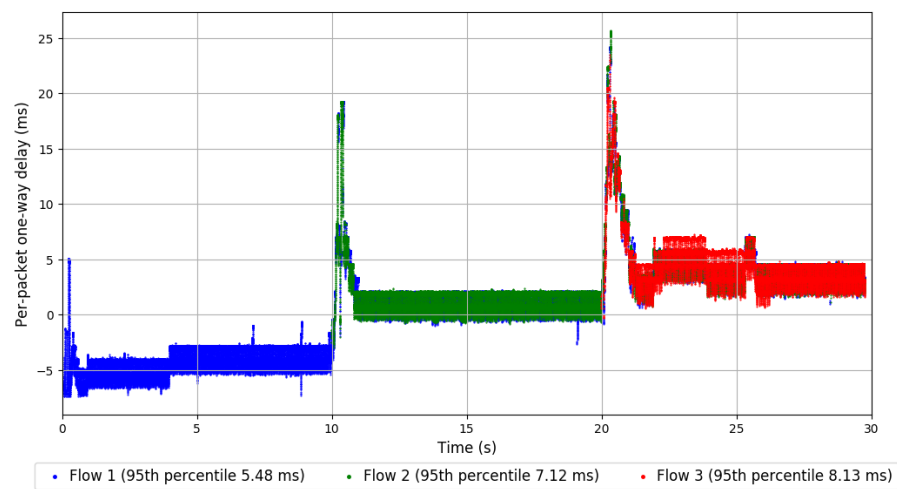
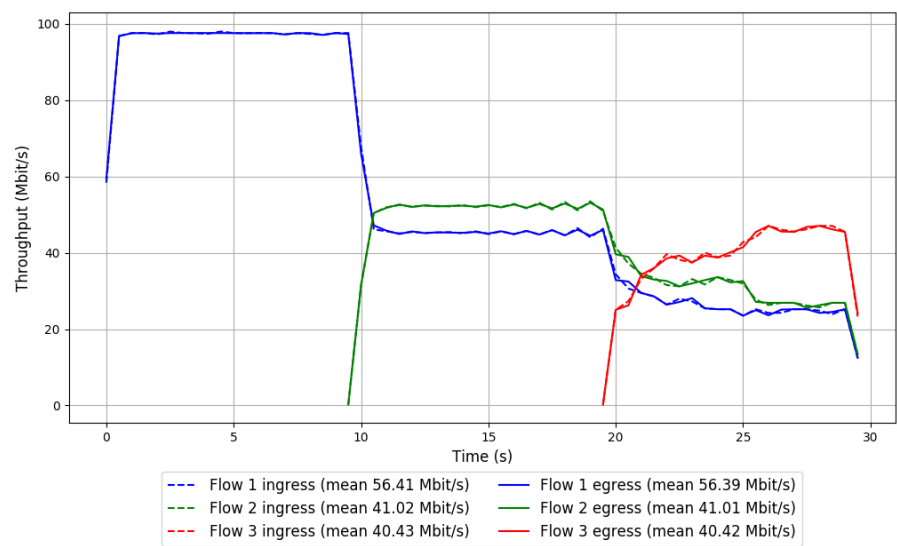


Run 6: Statistics of Indigo

Start at: 2018-01-02 11:55:48
End at: 2018-01-02 11:56:18
Local clock offset: 1.284 ms
Remote clock offset: -14.447 ms

Below is generated by plot.py at 2018-01-02 14:01:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 6.636 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.39 Mbit/s
95th percentile per-packet one-way delay: 5.480 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.01 Mbit/s
95th percentile per-packet one-way delay: 7.120 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.42 Mbit/s
95th percentile per-packet one-way delay: 8.134 ms
Loss rate: 0.01%

Run 6: Report of Indigo — Data Link

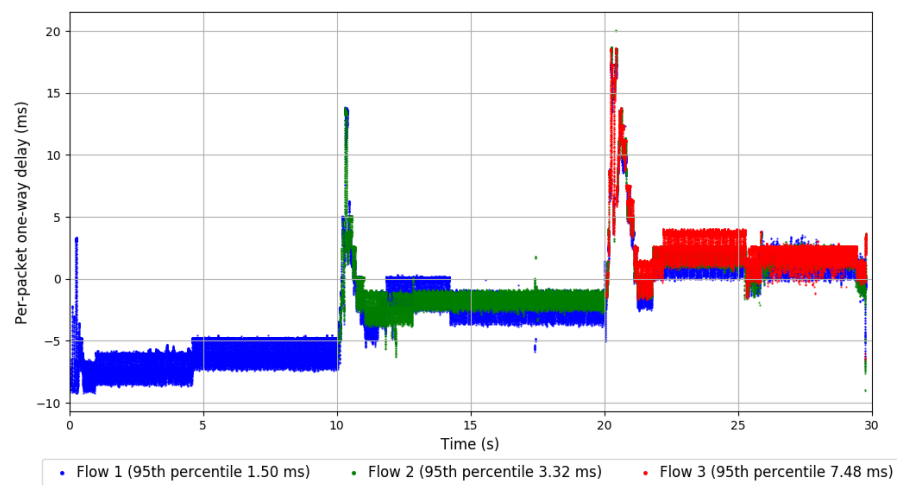
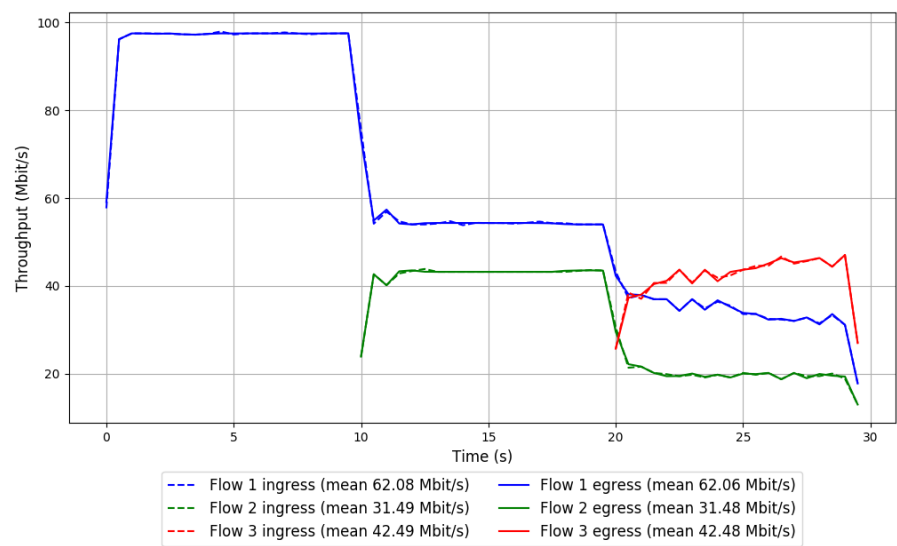


Run 7: Statistics of Indigo

Start at: 2018-01-02 12:13:31
End at: 2018-01-02 12:14:01
Local clock offset: 1.375 ms
Remote clock offset: -17.414 ms

Below is generated by plot.py at 2018-01-02 14:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 3.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.06 Mbit/s
95th percentile per-packet one-way delay: 1.496 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 3.320 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.48 Mbit/s
95th percentile per-packet one-way delay: 7.480 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

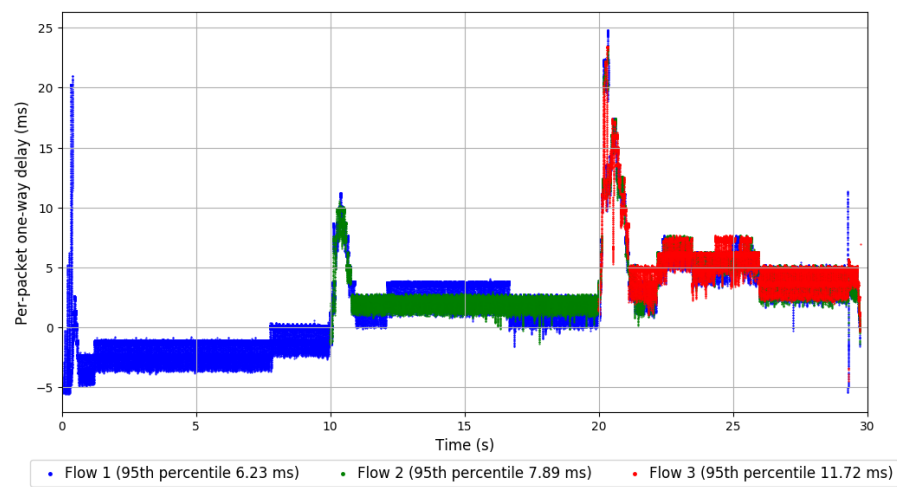
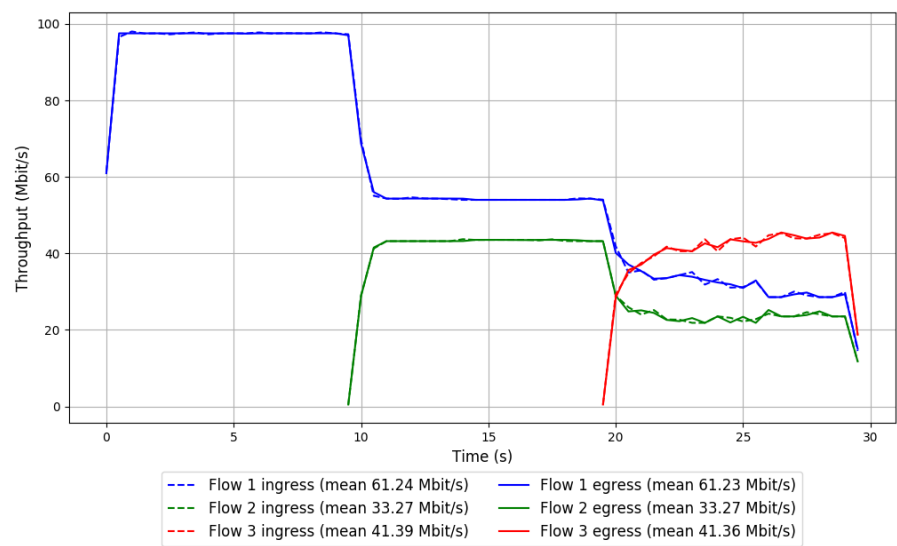


Run 8: Statistics of Indigo

Start at: 2018-01-02 12:31:10
End at: 2018-01-02 12:31:40
Local clock offset: -1.081 ms
Remote clock offset: -15.055 ms

Below is generated by plot.py at 2018-01-02 14:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 7.437 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 6.233 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.27 Mbit/s
95th percentile per-packet one-way delay: 7.892 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.36 Mbit/s
95th percentile per-packet one-way delay: 11.719 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

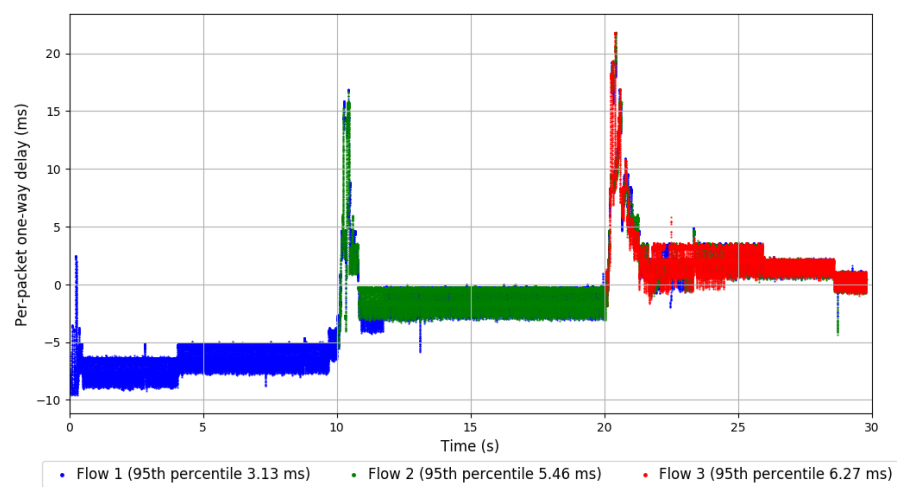
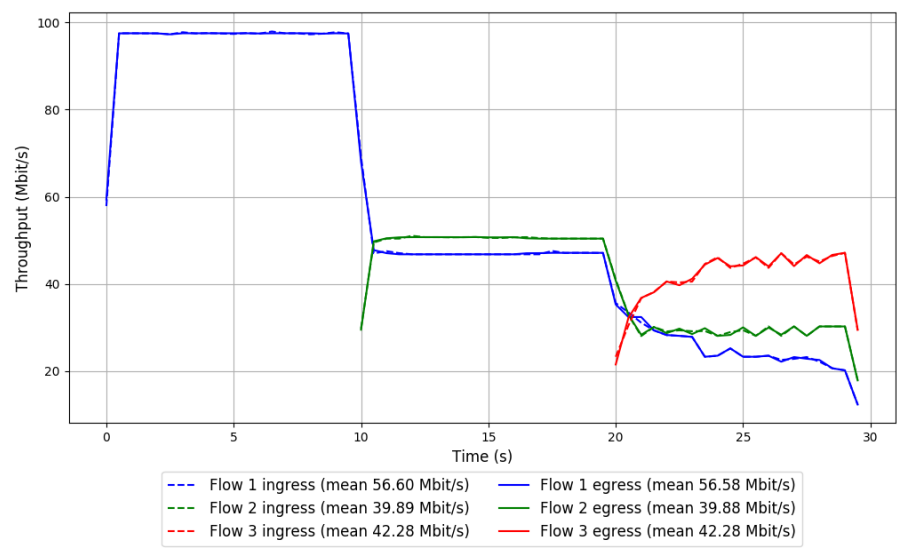


Run 9: Statistics of Indigo

Start at: 2018-01-02 12:48:48
End at: 2018-01-02 12:49:18
Local clock offset: -0.108 ms
Remote clock offset: -16.515 ms

Below is generated by plot.py at 2018-01-02 14:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 3.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 3.128 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.88 Mbit/s
95th percentile per-packet one-way delay: 5.465 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 6.272 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-02 13:06:35
End at: 2018-01-02 13:07:05
Local clock offset: 0.473 ms
Remote clock offset: -15.131 ms

Below is generated by plot.py at 2018-01-02 14:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 0.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.71 Mbit/s
95th percentile per-packet one-way delay: -0.981 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.65 Mbit/s
95th percentile per-packet one-way delay: 2.522 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 7.194 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

