Pantheon Report

Generated at 2018-04-25 00:12:27 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

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

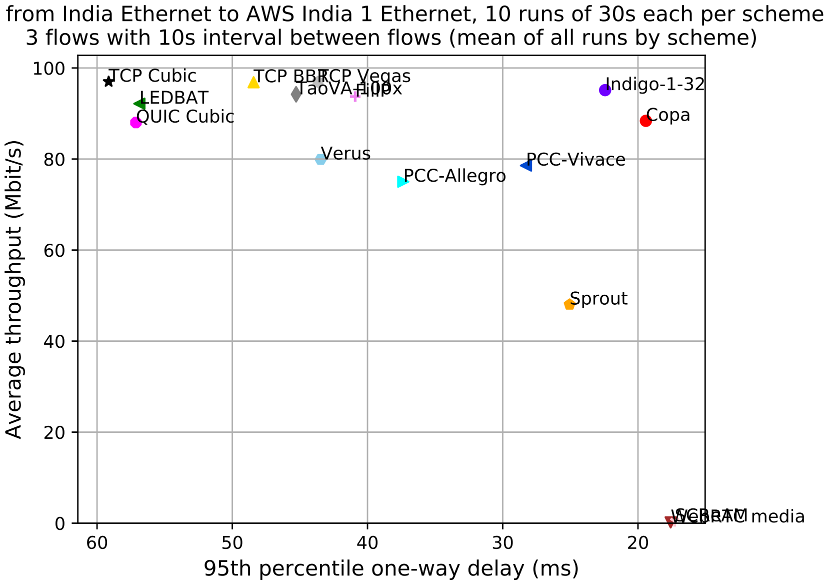
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

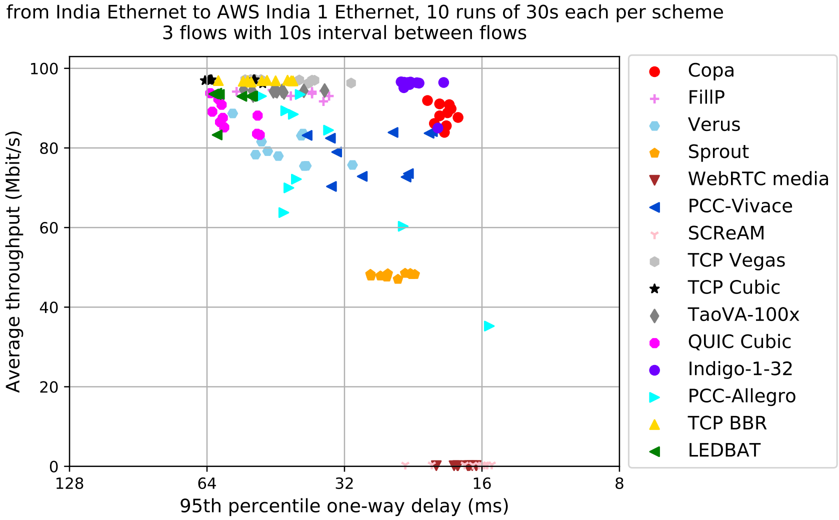
NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
 M receiver/src/buffer.h
 M receiver/src/core.cpp
 M sender/src/buffer.h
 M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
 M src/examples/cellsim.cc
 M src/examples/sproutbt2.cc
 M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
```

`third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581`



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



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

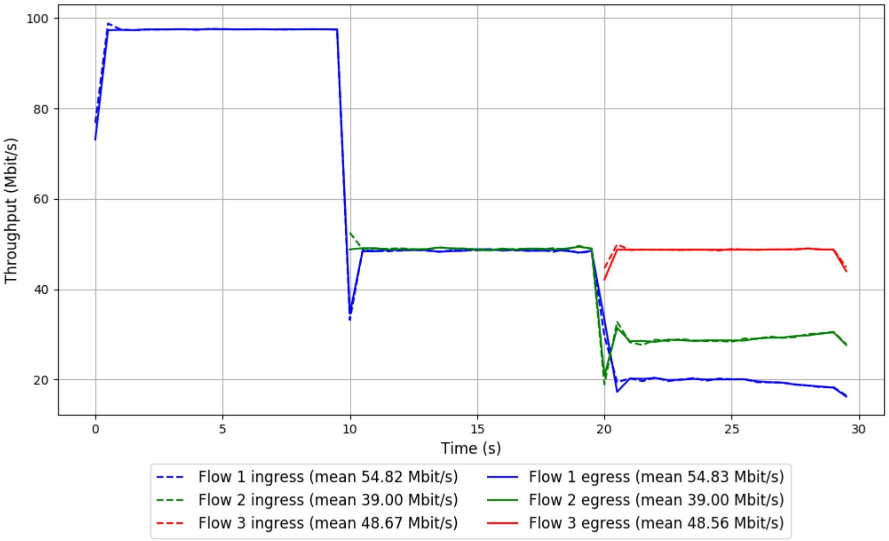
scheme	# runs	mean avg tput (Mbit/s) flow 1	flow 2	flow 3	mean 95th-%ile delay (ms) flow 1	flow 2	flow 3	mean loss rate (%) flow 1	flow 2	flow 3
TCP BBR	10	58.84	42.22	29.99	45.48	43.79	55.54	0.09	0.20	0.53
TCP Cubic	10	59.60	40.71	33.64	54.42	54.72	52.66	0.11	0.30	0.84
LEDBAT	9	56.23	37.50	33.15	54.34	54.50	49.61	0.11	0.28	0.66
PCC-Allegro	10	44.20	40.66	11.46	35.24	33.82	34.33	0.14	0.23	0.51
QUIC Cubic	10	51.12	40.55	30.34	50.66	52.90	53.10	0.12	0.23	0.62
SCReAM	10	0.20	0.20	0.21	17.20	17.26	17.28	0.30	0.35	0.86
WebRTC media	10	0.06	0.06	0.05	17.59	17.57	17.56	0.03	0.01	0.03
Sprout	10	24.21	24.05	23.83	24.68	25.25	25.52	0.09	0.16	0.26
TaoVA-100x	10	58.42	39.92	27.90	42.95	45.77	46.86	0.08	0.17	0.41
TCP Vegas	10	60.77	39.53	33.52	40.77	39.23	38.75	0.08	0.09	0.45
Verus	10	46.69	35.20	29.54	41.42	43.07	45.43	0.08	0.18	0.48
Copa	10	54.93	34.70	31.38	18.85	19.34	20.91	0.05	0.09	0.24
FillP	10	52.57	41.49	41.10	36.93	45.87	44.70	0.06	0.11	0.38
Indigo-1-32	10	57.72	39.53	34.65	21.85	22.20	22.33	0.05	0.11	0.31
PCC-Vivace	10	52.14	30.79	18.24	25.68	33.97	29.21	0.05	0.13	0.41
PCC-Expr	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

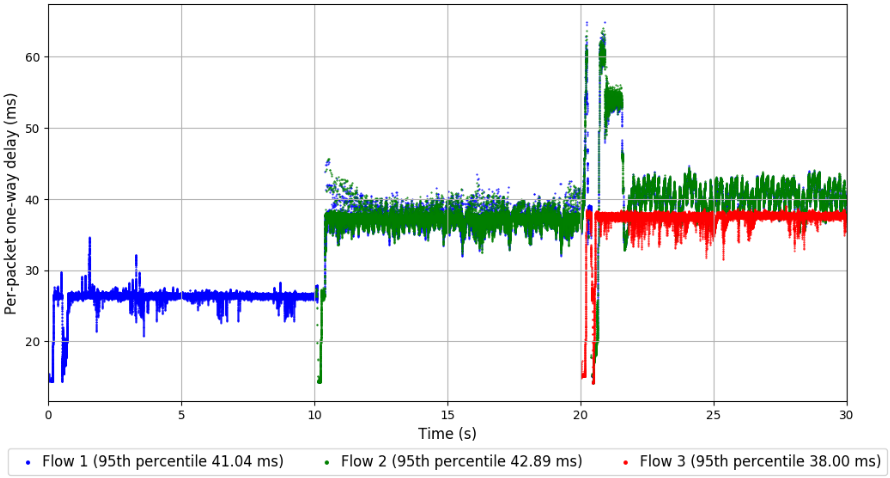
```
Run 1: Statistics of TCP BBR

Start at: 2018-04-24 17:08:47
End at: 2018-04-24 17:09:17
Local clock offset: -3.011 ms
Remote clock offset: -8.832 ms

# Below is generated by plot.py at 2018-04-24 23:48:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 41.855 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 54.83 Mbit/s
95th percentile per-packet one-way delay: 41.043 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.00 Mbit/s
95th percentile per-packet one-way delay: 42.887 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 38.004 ms
Loss rate: 0.47%
```

Run 1: Report of TCP BBR — Data Link



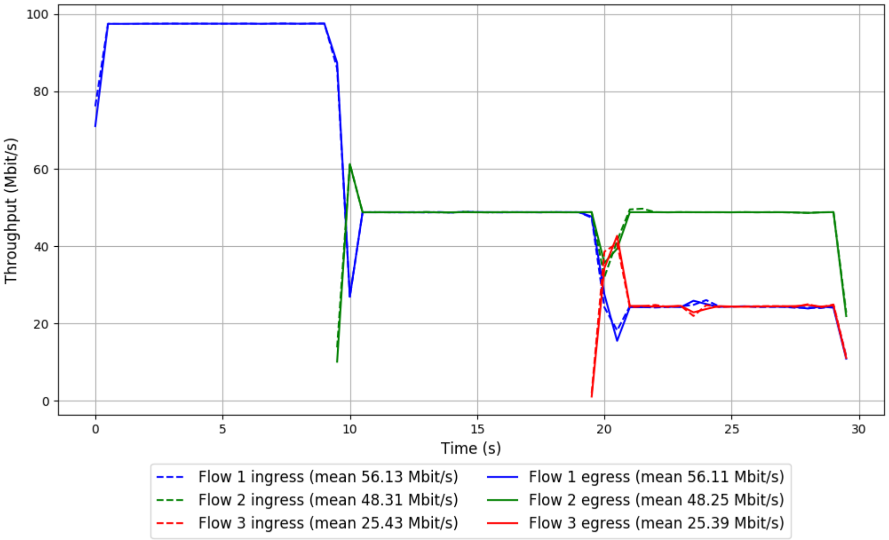


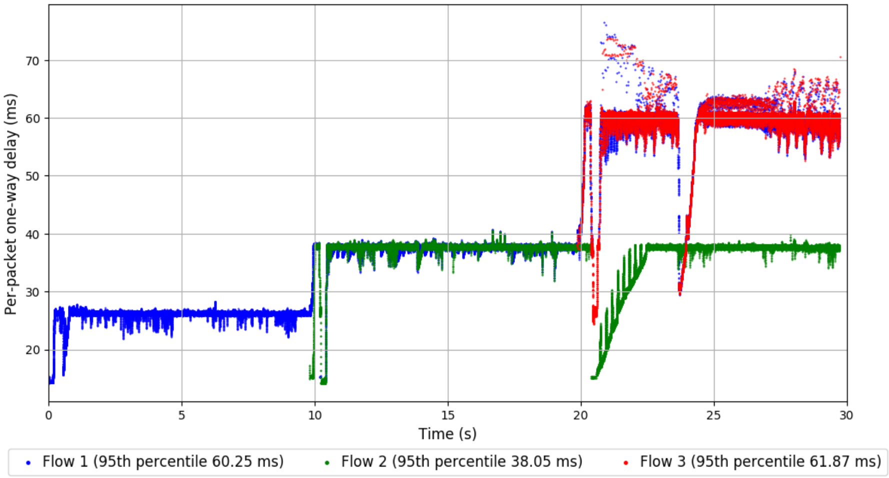
```
Run 2: Statistics of TCP BBR

Start at: 2018-04-24 17:32:08
End at: 2018-04-24 17:32:38
Local clock offset: 4.295 ms
Remote clock offset: -11.038 ms

# Below is generated by plot.py at 2018-04-24 23:48:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 60.445 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.11 Mbit/s
95th percentile per-packet one-way delay: 60.252 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.25 Mbit/s
95th percentile per-packet one-way delay: 38.055 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 25.39 Mbit/s
95th percentile per-packet one-way delay: 61.870 ms
Loss rate: 0.67%
```

Run 2: Report of TCP BBR — Data Link



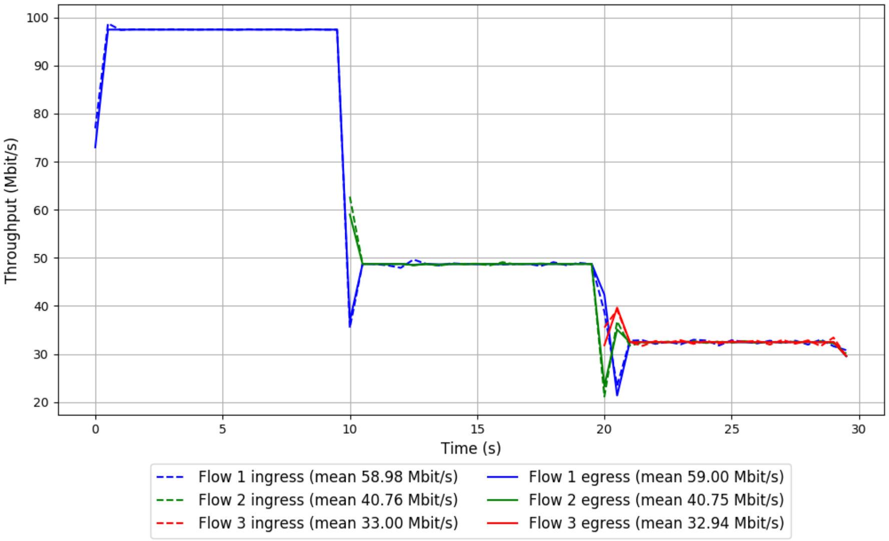


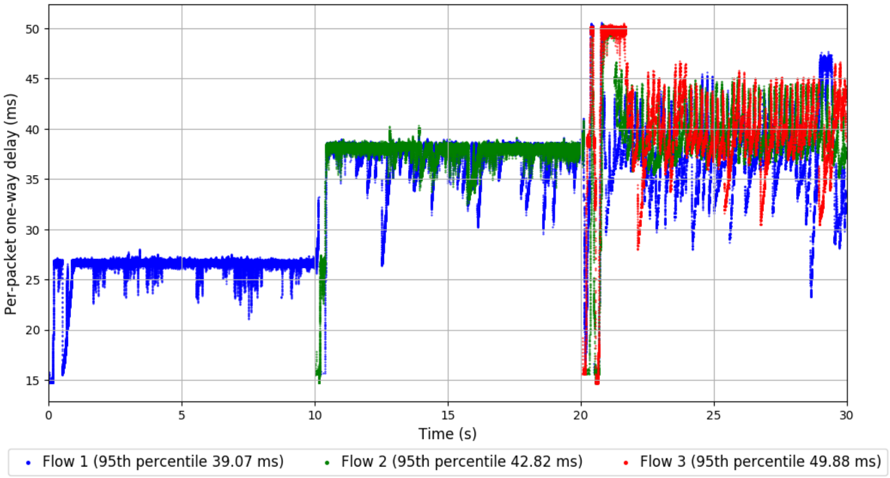
```
Run 3: Statistics of TCP BBR

Start at: 2018-04-24 17:53:14
End at: 2018-04-24 17:53:44
Local clock offset: 6.609 ms
Remote clock offset: -8.087 ms

# Below is generated by plot.py at 2018-04-24 23:48:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 42.641 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 39.067 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.75 Mbit/s
95th percentile per-packet one-way delay: 42.820 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 32.94 Mbit/s
95th percentile per-packet one-way delay: 49.879 ms
Loss rate: 0.46%
```

Run 3: Report of TCP BBR — Data Link



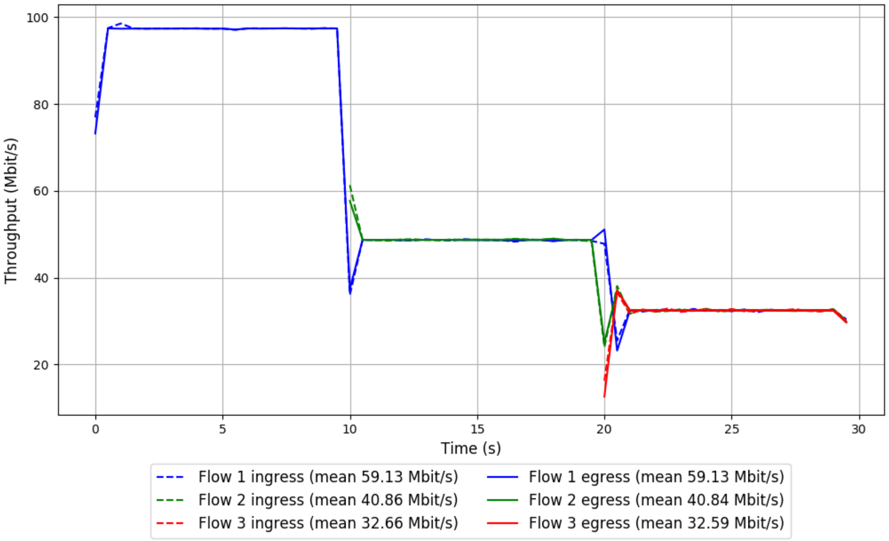


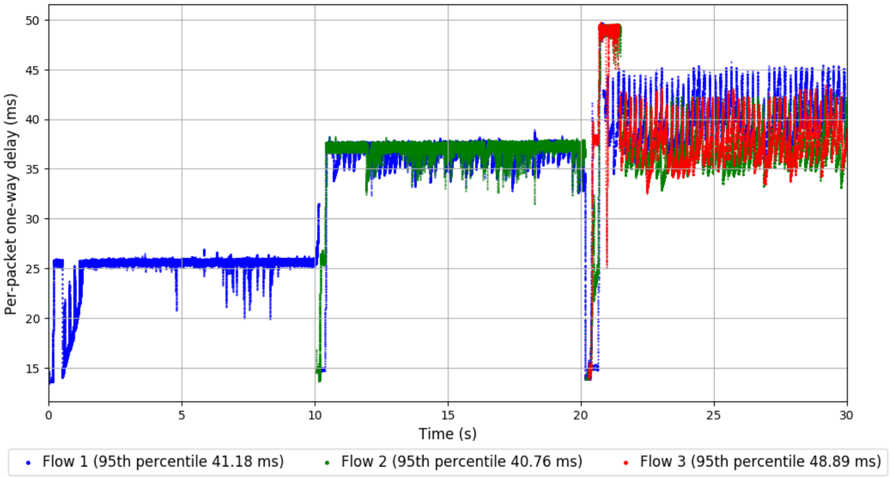
```
Run 4: Statistics of TCP BBR

Start at: 2018-04-24 18:14:47
End at: 2018-04-24 18:15:17
Local clock offset: 1.005 ms
Remote clock offset: -6.419 ms

# Below is generated by plot.py at 2018-04-24 23:48:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 41.482 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 41.178 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.84 Mbit/s
95th percentile per-packet one-way delay: 40.764 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 32.59 Mbit/s
95th percentile per-packet one-way delay: 48.890 ms
Loss rate: 0.47%
```

Run 4: Report of TCP BBR — Data Link



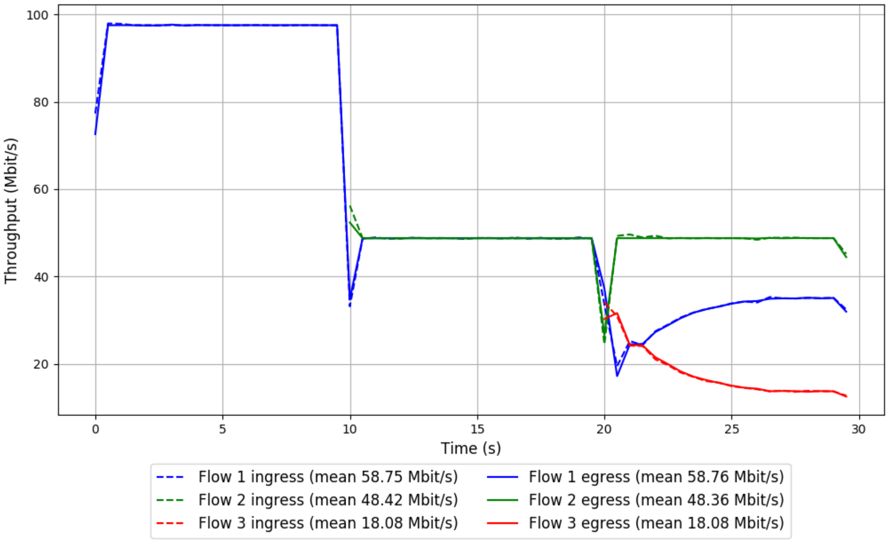


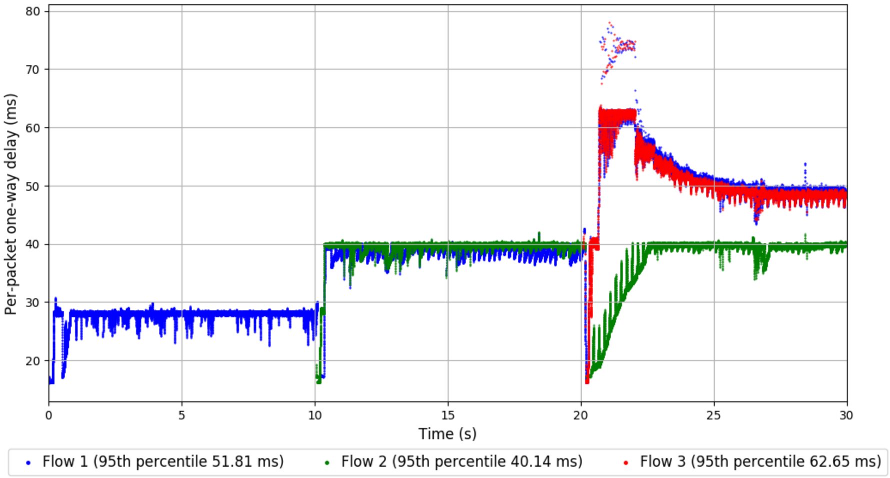
```
Run 5: Statistics of TCP BBR

Start at: 2018-04-24 18:35:12
End at: 2018-04-24 18:35:42
Local clock offset: -6.139 ms
Remote clock offset: -7.916 ms

# Below is generated by plot.py at 2018-04-24 23:48:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 52.142 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.76 Mbit/s
95th percentile per-packet one-way delay: 51.812 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 40.136 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 18.08 Mbit/s
95th percentile per-packet one-way delay: 62.646 ms
Loss rate: 0.43%
```

Run 5: Report of TCP BBR — Data Link



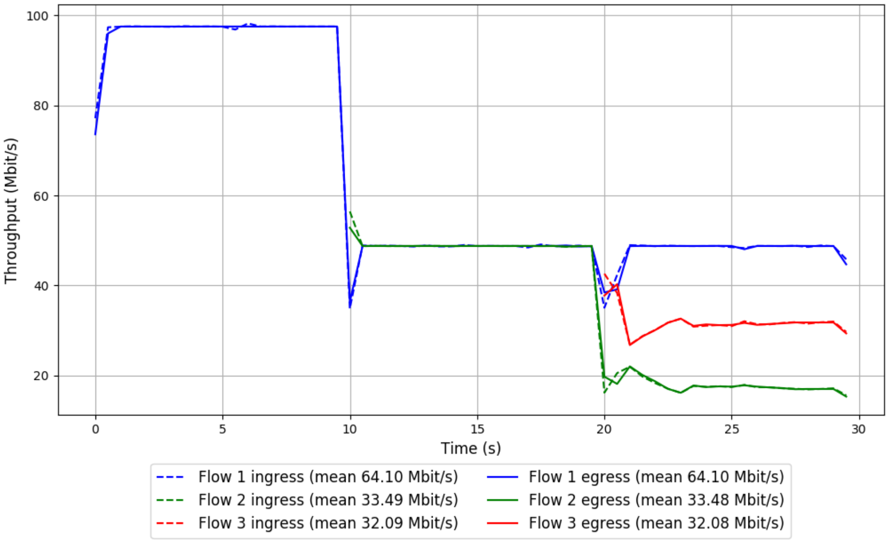


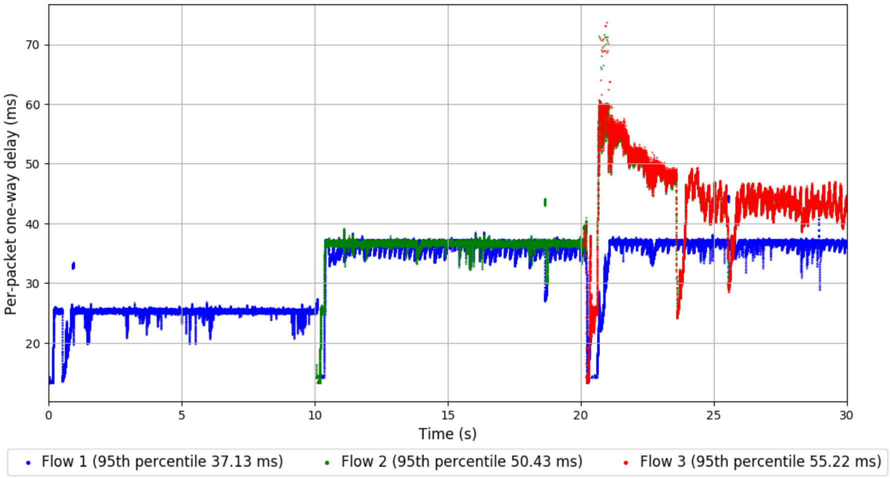
```
Run 6: Statistics of TCP BBR

Start at: 2018-04-24 18:55:36
End at: 2018-04-24 18:56:06
Local clock offset: -5.218 ms
Remote clock offset: -8.295 ms

# Below is generated by plot.py at 2018-04-24 23:48:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 47.282 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.10 Mbit/s
95th percentile per-packet one-way delay: 37.126 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 33.48 Mbit/s
95th percentile per-packet one-way delay: 50.429 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.08 Mbit/s
95th percentile per-packet one-way delay: 55.223 ms
Loss rate: 0.51%
```

Run 6: Report of TCP BBR — Data Link



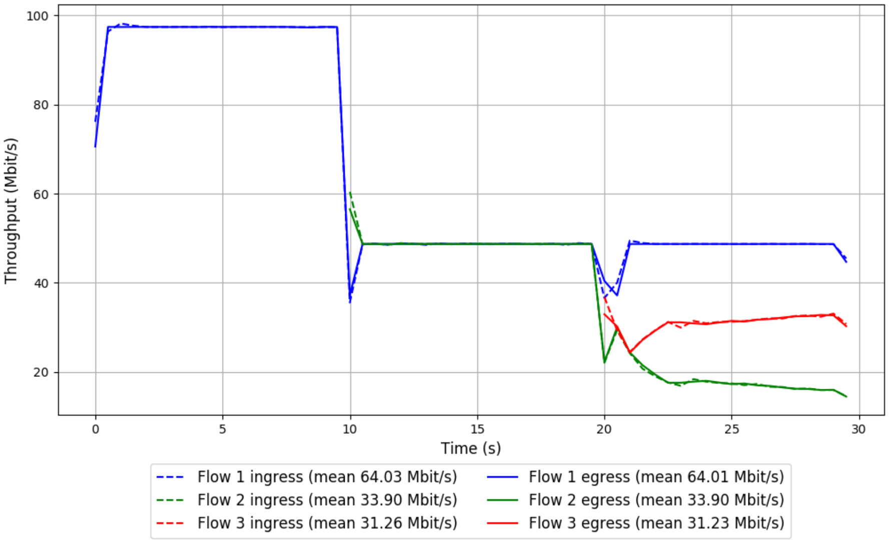


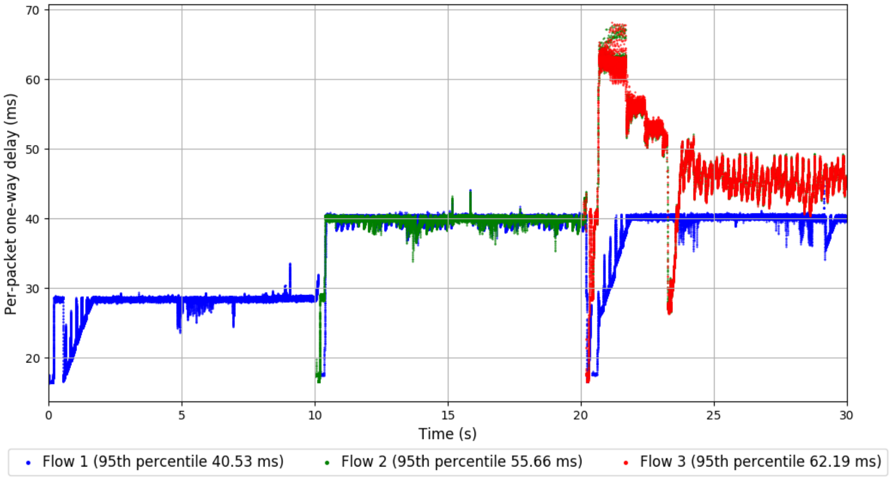
```
Run 7: Statistics of TCP BBR

Start at: 2018-04-24 19:16:16
End at: 2018-04-24 19:16:46
Local clock offset: -3.608 ms
Remote clock offset: -9.856 ms

# Below is generated by plot.py at 2018-04-24 23:48:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 48.555 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.01 Mbit/s
95th percentile per-packet one-way delay: 40.531 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 33.90 Mbit/s
95th percentile per-packet one-way delay: 55.657 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 62.186 ms
Loss rate: 0.58%
```

Run 7: Report of TCP BBR — Data Link



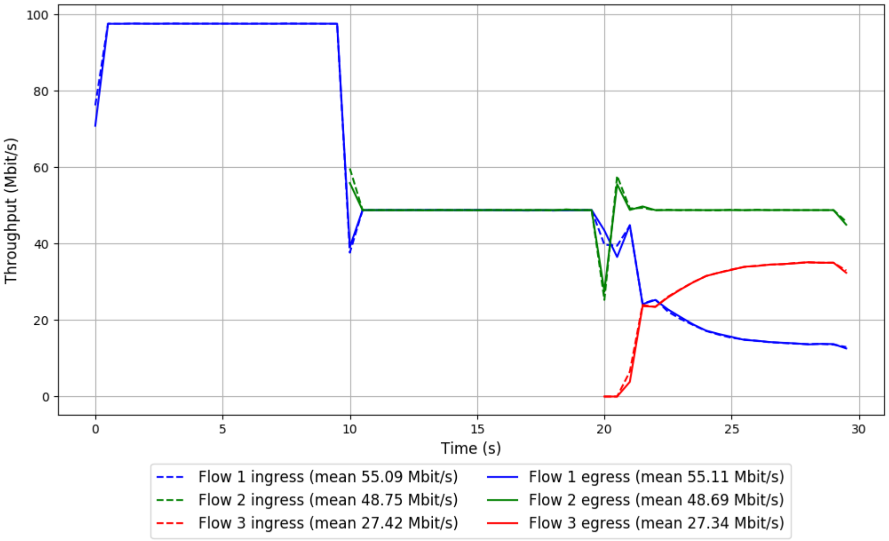


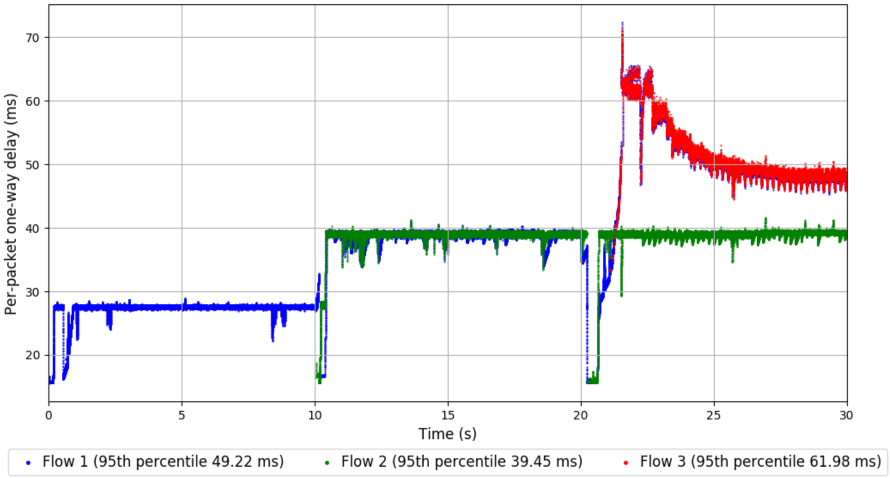
```
Run 8: Statistics of TCP BBR

Start at: 2018-04-24 19:36:22
End at: 2018-04-24 19:36:52
Local clock offset: -4.972 ms
Remote clock offset: -7.333 ms

# Below is generated by plot.py at 2018-04-24 23:48:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 51.217 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 55.11 Mbit/s
95th percentile per-packet one-way delay: 49.216 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 48.69 Mbit/s
95th percentile per-packet one-way delay: 39.451 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 27.34 Mbit/s
95th percentile per-packet one-way delay: 61.984 ms
Loss rate: 0.73%
```

Run 8: Report of TCP BBR — Data Link



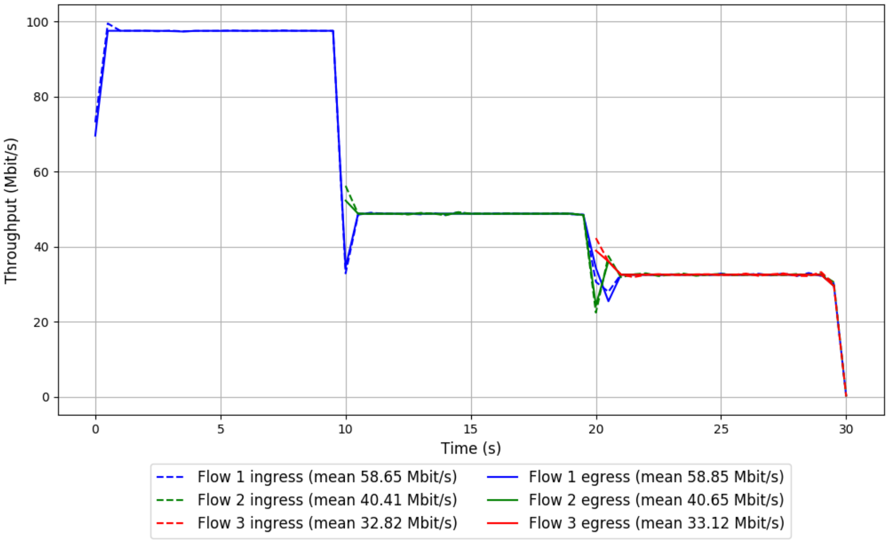


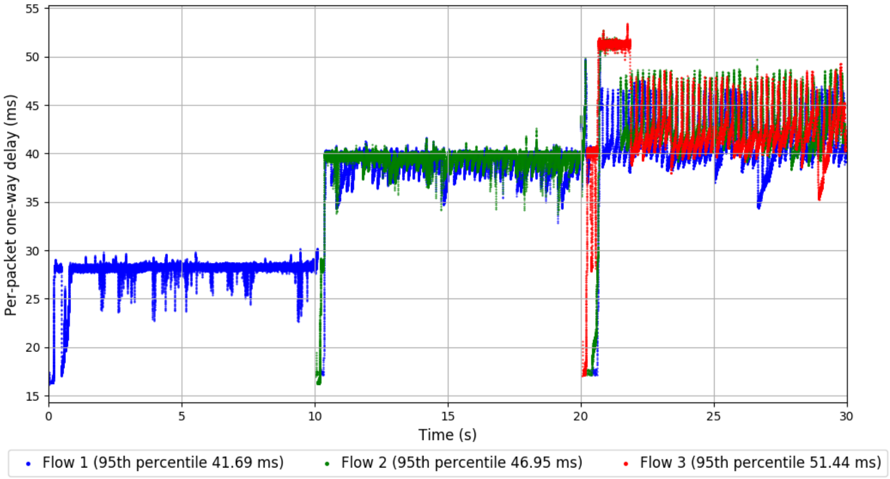
```
Run 9: Statistics of TCP BBR

Start at: 2018-04-24 19:56:46
End at: 2018-04-24 19:57:16
Local clock offset: -3.875 ms
Remote clock offset: -7.943 ms

# Below is generated by plot.py at 2018-04-24 23:50:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 45.287 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.85 Mbit/s
95th percentile per-packet one-way delay: 41.694 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 46.953 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 33.12 Mbit/s
95th percentile per-packet one-way delay: 51.436 ms
Loss rate: 0.56%
```

Run 9: Report of TCP BBR — Data Link



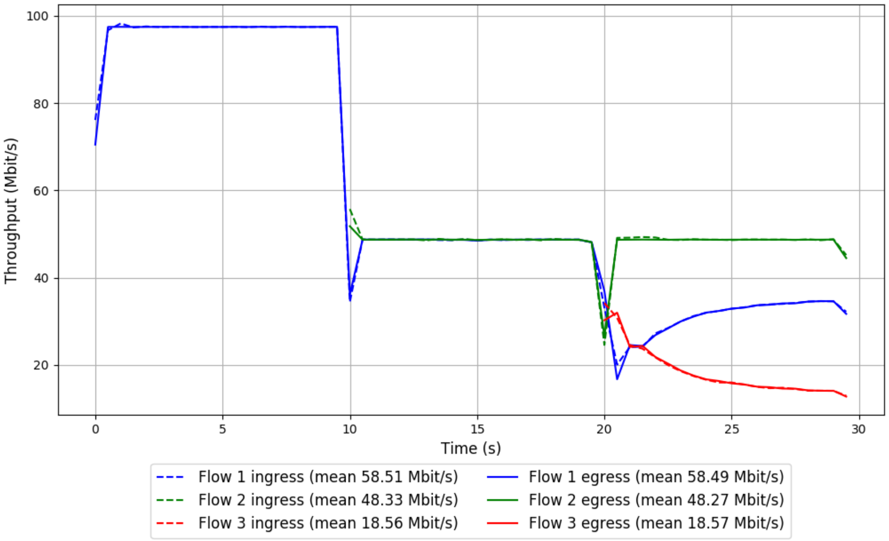


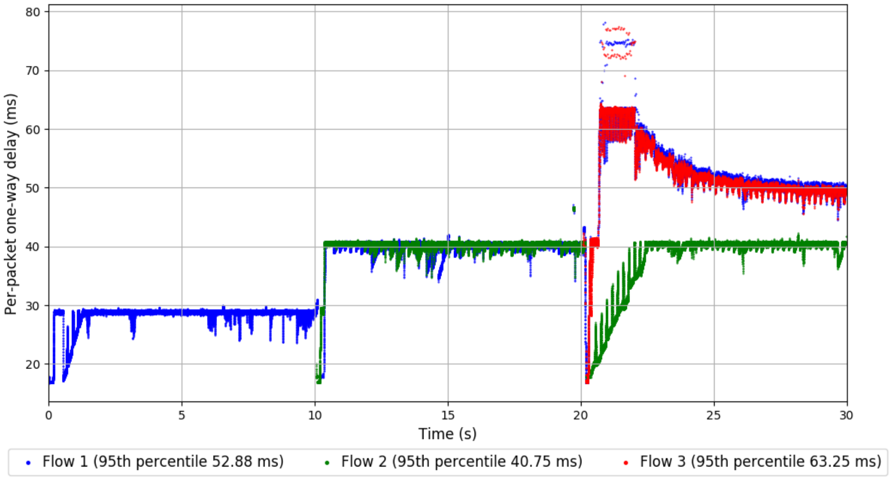
```
Run 10: Statistics of TCP BBR

Start at: 2018-04-24 20:17:20
End at: 2018-04-24 20:17:50
Local clock offset: -2.354 ms
Remote clock offset: -8.473 ms

# Below is generated by plot.py at 2018-04-24 23:50:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 53.321 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 52.883 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.27 Mbit/s
95th percentile per-packet one-way delay: 40.750 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 18.57 Mbit/s
95th percentile per-packet one-way delay: 63.249 ms
Loss rate: 0.43%
```

Run 10: Report of TCP BBR — Data Link



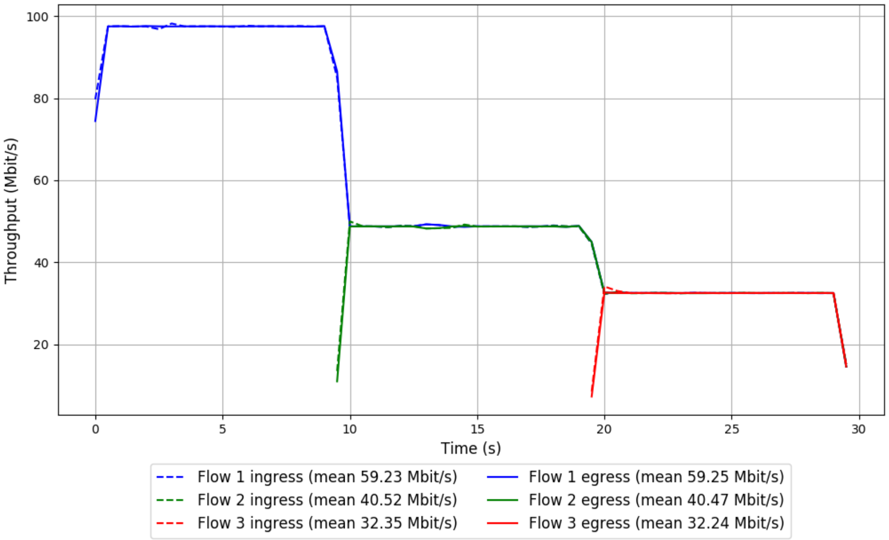


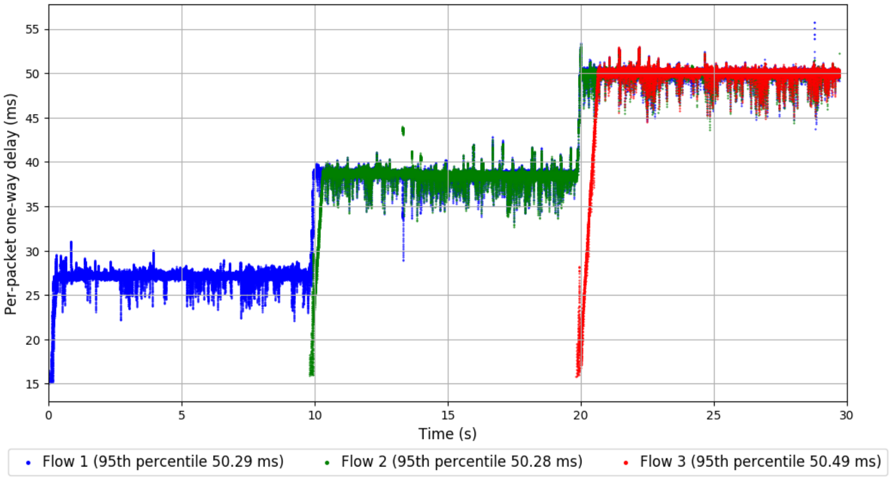
```
Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 17:10:16
End at: 2018-04-24 17:10:46
Local clock offset: -1.531 ms
Remote clock offset: -9.256 ms

# Below is generated by plot.py at 2018-04-24 23:50:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 50.355 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 50.293 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.47 Mbit/s
95th percentile per-packet one-way delay: 50.281 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 50.495 ms
Loss rate: 0.59%
```

Run 1: Report of TCP Cubic — Data Link



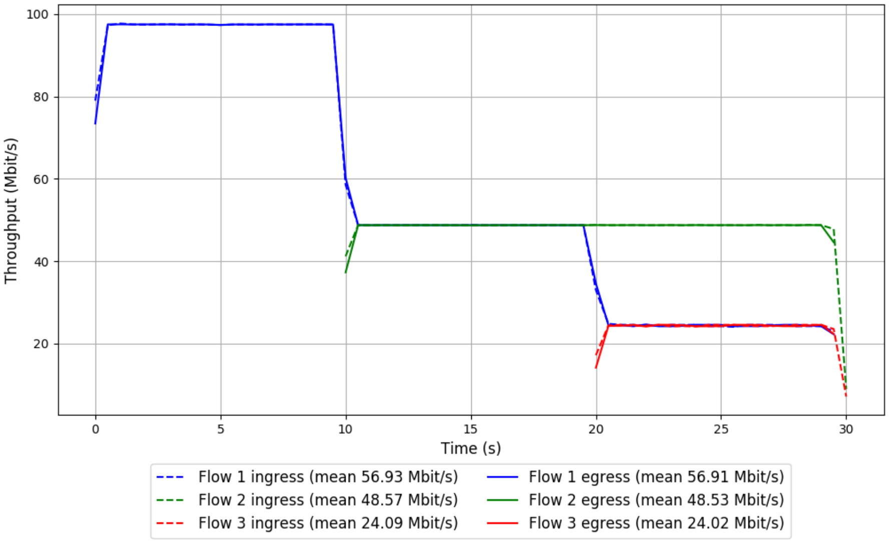


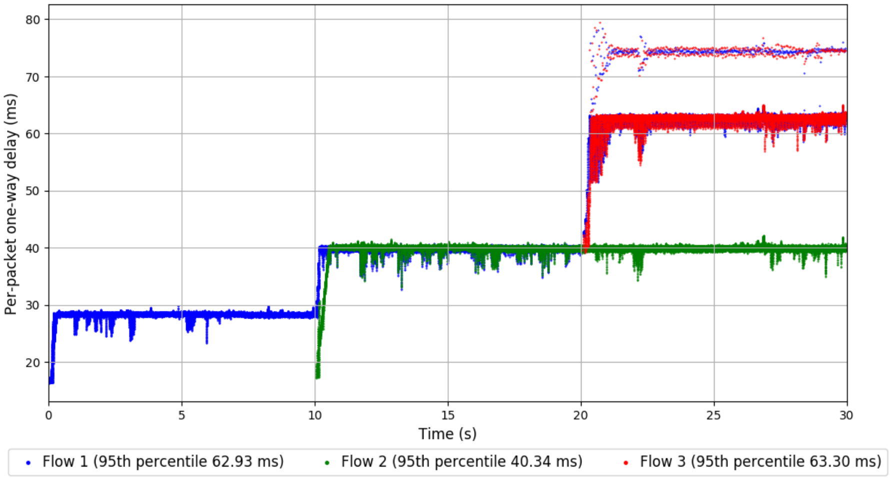
```
Run 2: Statistics of TCP Cubic

Start at: 2018-04-24 17:33:22
End at: 2018-04-24 17:33:52
Local clock offset: 5.172 ms
Remote clock offset: -12.378 ms

# Below is generated by plot.py at 2018-04-24 23:50:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 62.977 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 62.927 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 40.342 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 63.305 ms
Loss rate: 2.41%
```

Run 2: Report of TCP Cubic — Data Link



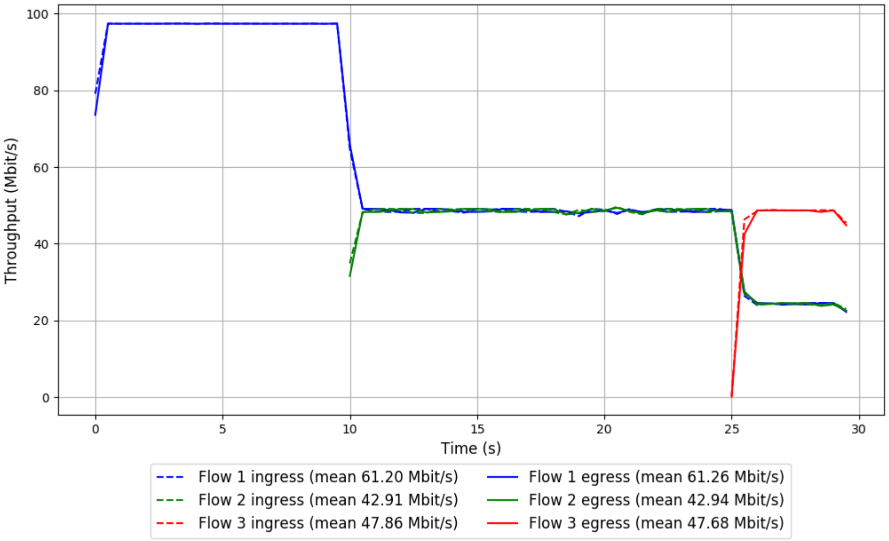


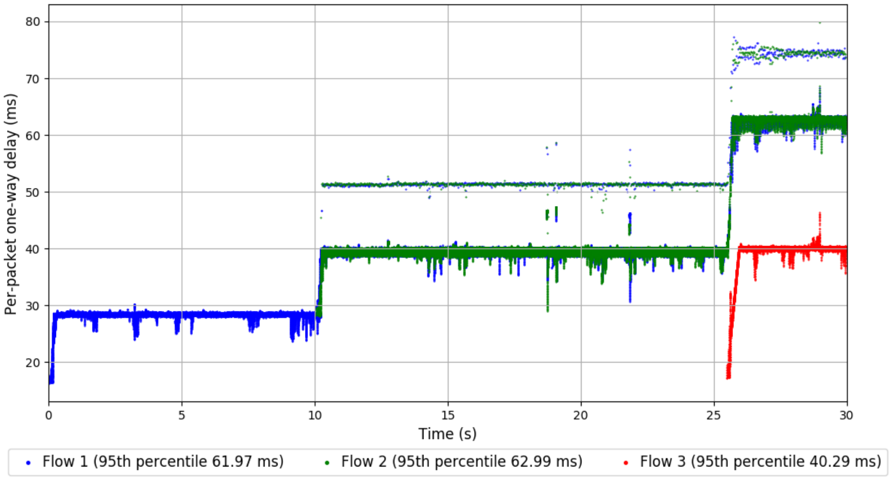
```
Run 3: Statistics of TCP Cubic

Start at: 2018-04-24 17:54:34
End at: 2018-04-24 17:55:04
Local clock offset: 8.765 ms
Remote clock offset: -7.704 ms

# Below is generated by plot.py at 2018-04-24 23:50:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 62.758 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 61.26 Mbit/s
95th percentile per-packet one-way delay: 61.970 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 42.94 Mbit/s
95th percentile per-packet one-way delay: 62.994 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 47.68 Mbit/s
95th percentile per-packet one-way delay: 40.287 ms
Loss rate: 1.15%
```

Run 3: Report of TCP Cubic — Data Link



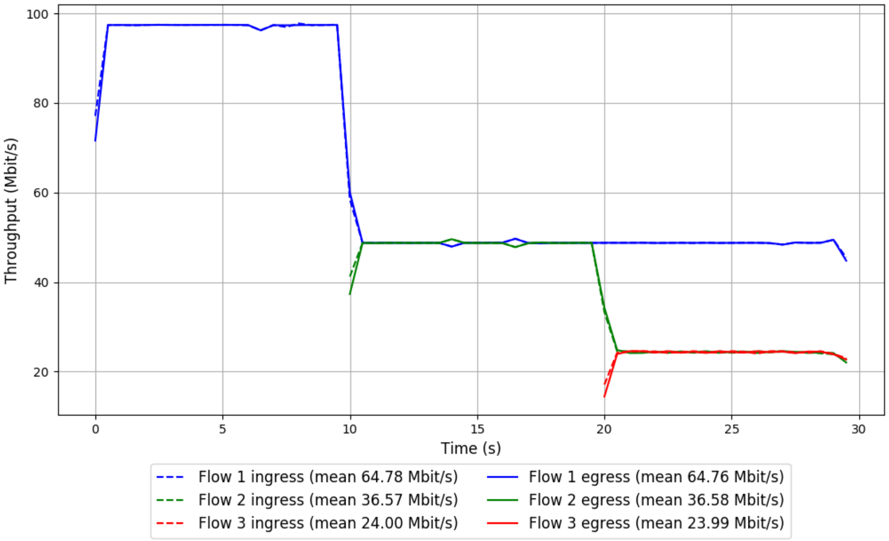


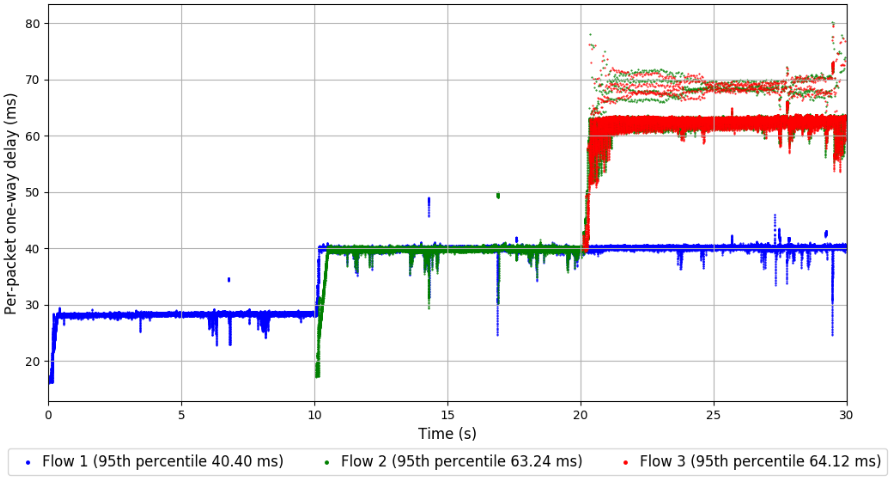
```
Run 4: Statistics of TCP Cubic

Start at: 2018-04-24 18:16:07
End at: 2018-04-24 18:16:37
Local clock offset: 1.609 ms
Remote clock offset: -7.317 ms

# Below is generated by plot.py at 2018-04-24 23:50:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 63.056 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 64.76 Mbit/s
95th percentile per-packet one-way delay: 40.395 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.58 Mbit/s
95th percentile per-packet one-way delay: 63.240 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 64.125 ms
Loss rate: 0.74%
```

Run 4: Report of TCP Cubic — Data Link



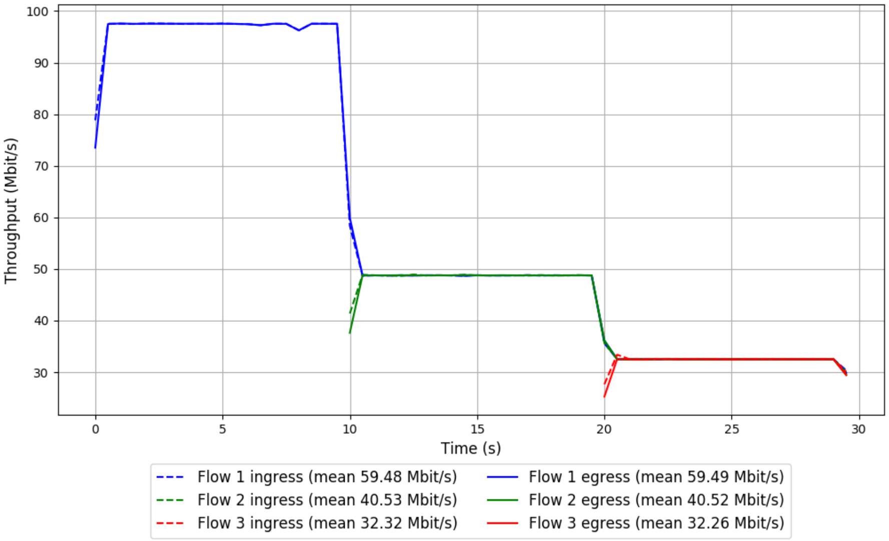


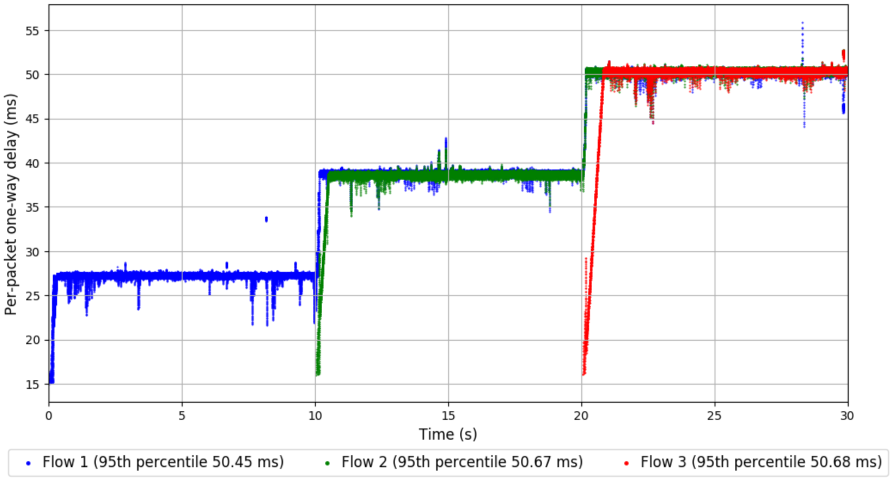
```
Run 5: Statistics of TCP Cubic

Start at: 2018-04-24 18:36:24
End at: 2018-04-24 18:36:54
Local clock offset: -6.785 ms
Remote clock offset: -7.337 ms

# Below is generated by plot.py at 2018-04-24 23:50:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 50.595 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: 50.445 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 50.675 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 50.683 ms
Loss rate: 0.60%
```

Run 5: Report of TCP Cubic — Data Link



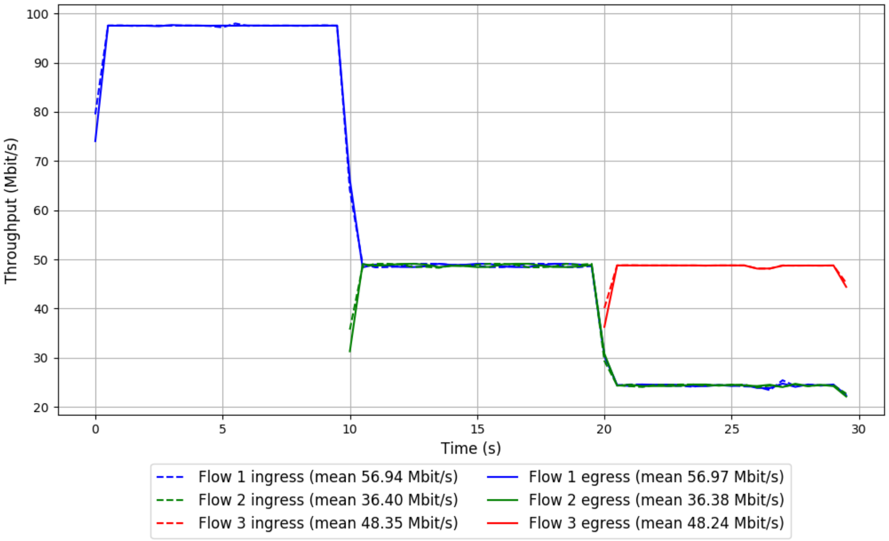


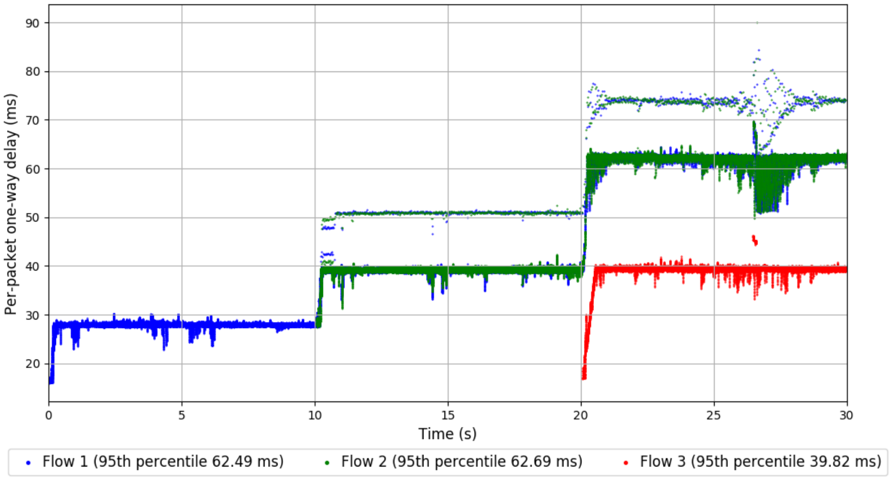
```
Run 6: Statistics of TCP Cubic

Start at: 2018-04-24 18:56:50
End at: 2018-04-24 18:57:20
Local clock offset: -4.243 ms
Remote clock offset: -10.209 ms

# Below is generated by plot.py at 2018-04-24 23:50:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 62.536 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.97 Mbit/s
95th percentile per-packet one-way delay: 62.491 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 62.693 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 48.24 Mbit/s
95th percentile per-packet one-way delay: 39.819 ms
Loss rate: 0.48%
```

Run 6: Report of TCP Cubic — Data Link



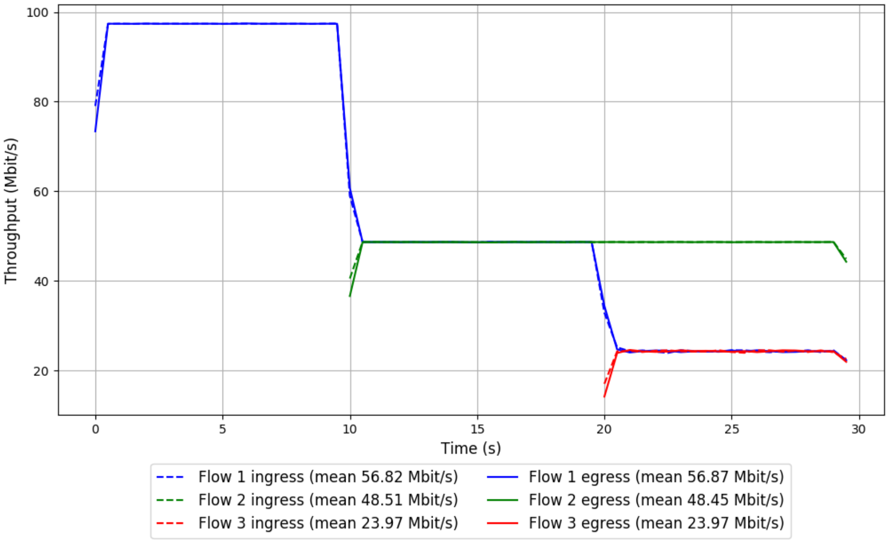


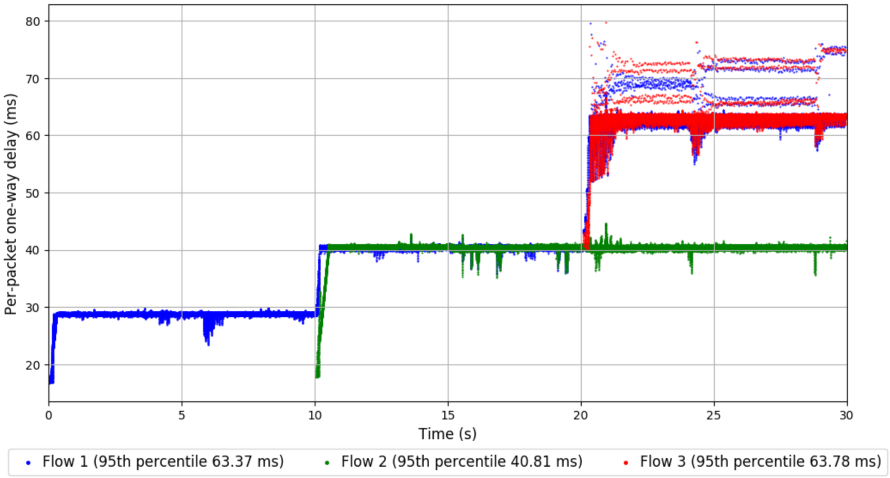
```
Run 7: Statistics of TCP Cubic

Start at: 2018-04-24 19:17:27
End at: 2018-04-24 19:17:57
Local clock offset: -3.583 ms
Remote clock offset: -9.787 ms

# Below is generated by plot.py at 2018-04-24 23:51:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 63.413 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.87 Mbit/s
95th percentile per-packet one-way delay: 63.367 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.45 Mbit/s
95th percentile per-packet one-way delay: 40.807 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 63.777 ms
Loss rate: 0.72%
```

Run 7: Report of TCP Cubic — Data Link



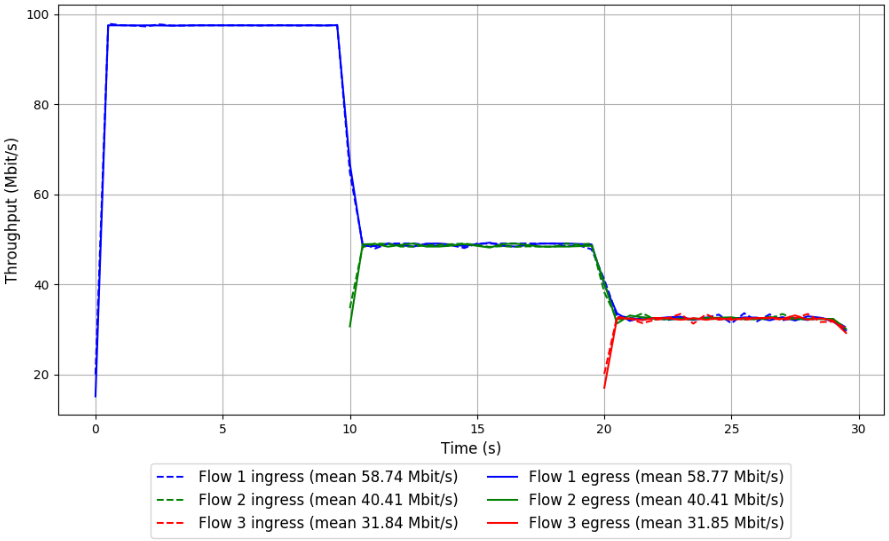


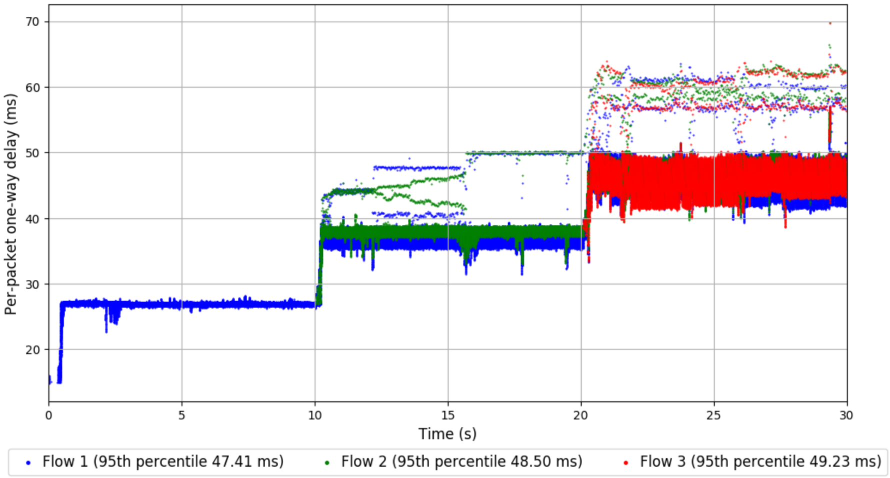
```
Run 8: Statistics of TCP Cubic

Start at: 2018-04-24 19:37:35
End at: 2018-04-24 19:38:05
Local clock offset: -4.686 ms
Remote clock offset: -6.336 ms

# Below is generated by plot.py at 2018-04-24 23:51:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 48.327 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.77 Mbit/s
95th percentile per-packet one-way delay: 47.410 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.41 Mbit/s
95th percentile per-packet one-way delay: 48.501 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 49.232 ms
Loss rate: 0.55%
```

Run 8: Report of TCP Cubic — Data Link



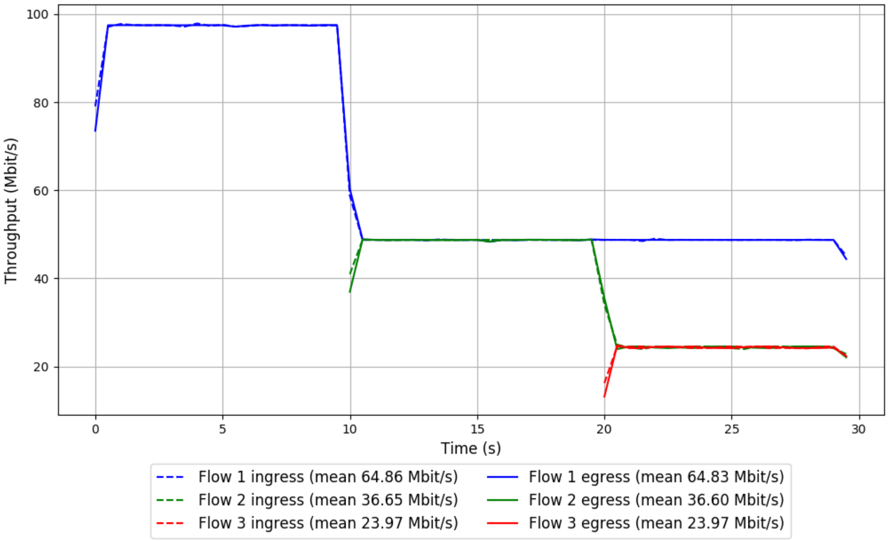


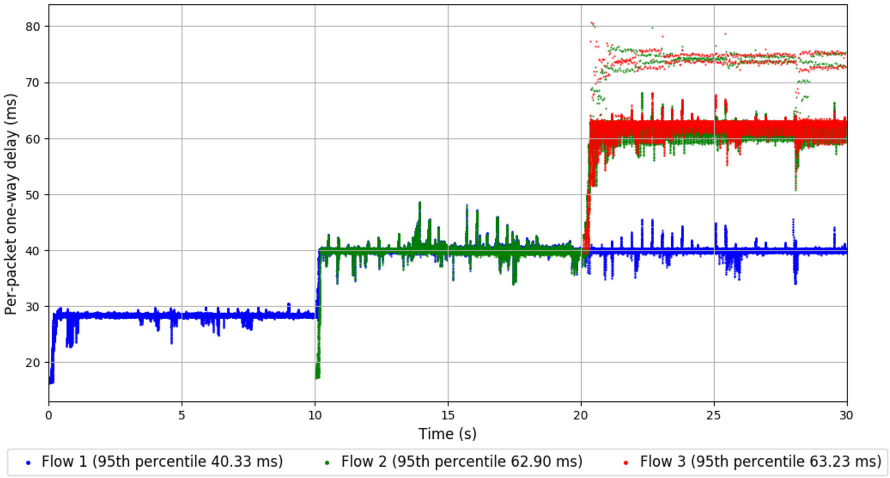
```
Run 9: Statistics of TCP Cubic

Start at: 2018-04-24 19:58:01
End at: 2018-04-24 19:58:31
Local clock offset: -4.335 ms
Remote clock offset: -8.659 ms

# Below is generated by plot.py at 2018-04-24 23:51:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 62.772 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 64.83 Mbit/s
95th percentile per-packet one-way delay: 40.331 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 62.896 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 63.225 ms
Loss rate: 0.69%
```

Run 9: Report of TCP Cubic — Data Link



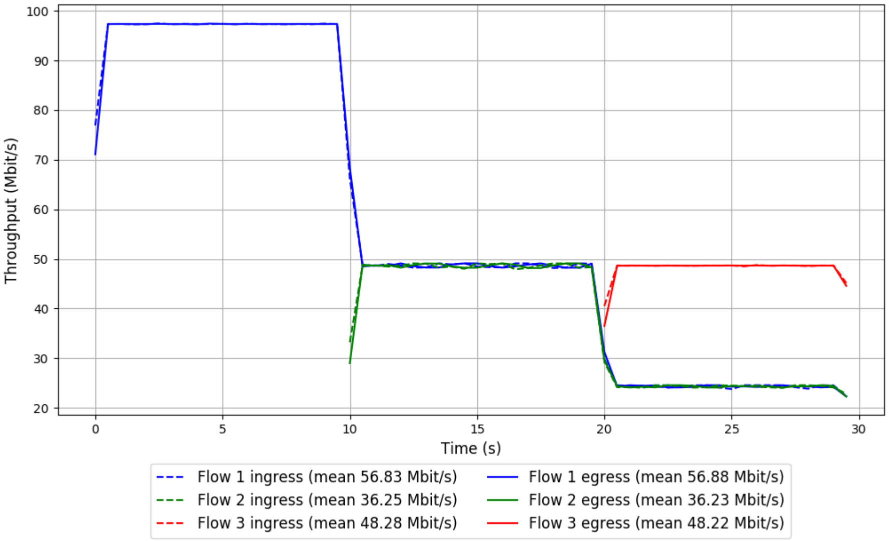


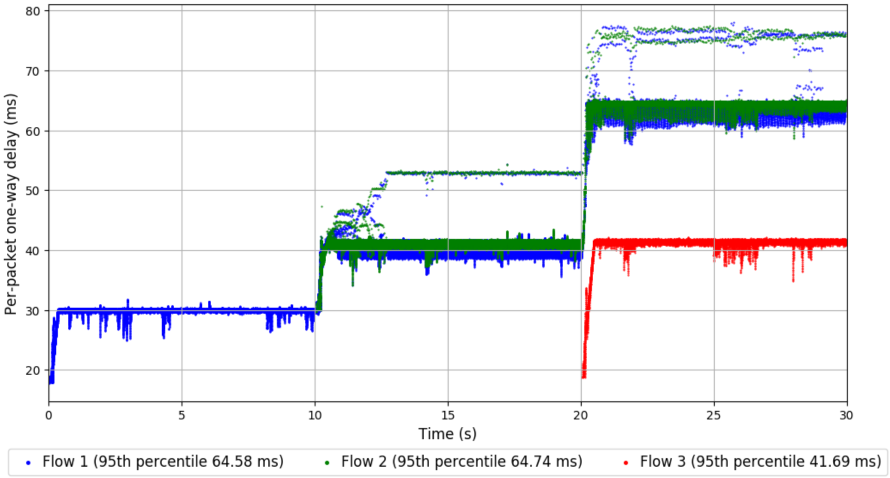
```
Run 10: Statistics of TCP Cubic

Start at: 2018-04-24 20:18:33
End at: 2018-04-24 20:19:03
Local clock offset: -2.201 ms
Remote clock offset: -9.438 ms

# Below is generated by plot.py at 2018-04-24 23:51:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 64.635 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.88 Mbit/s
95th percentile per-packet one-way delay: 64.576 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.23 Mbit/s
95th percentile per-packet one-way delay: 64.740 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 48.22 Mbit/s
95th percentile per-packet one-way delay: 41.689 ms
Loss rate: 0.47%
```

Run 10: Report of TCP Cubic — Data Link



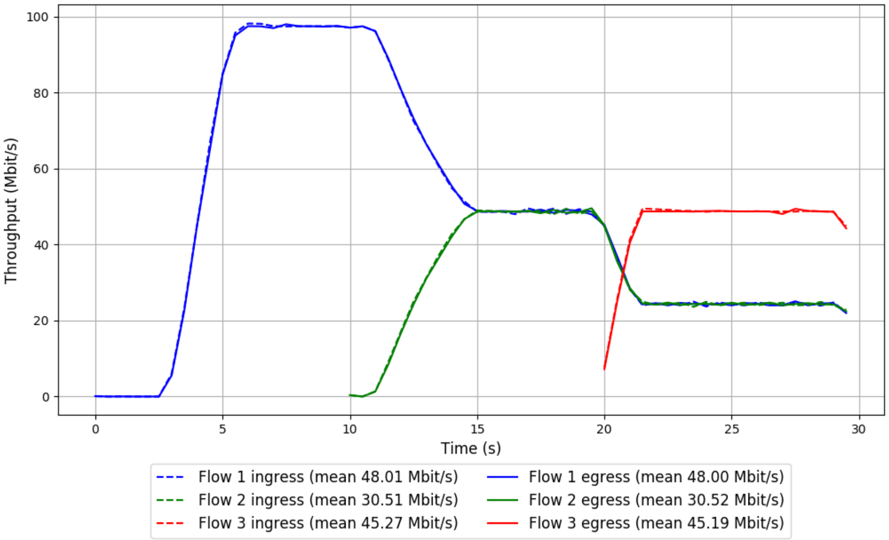


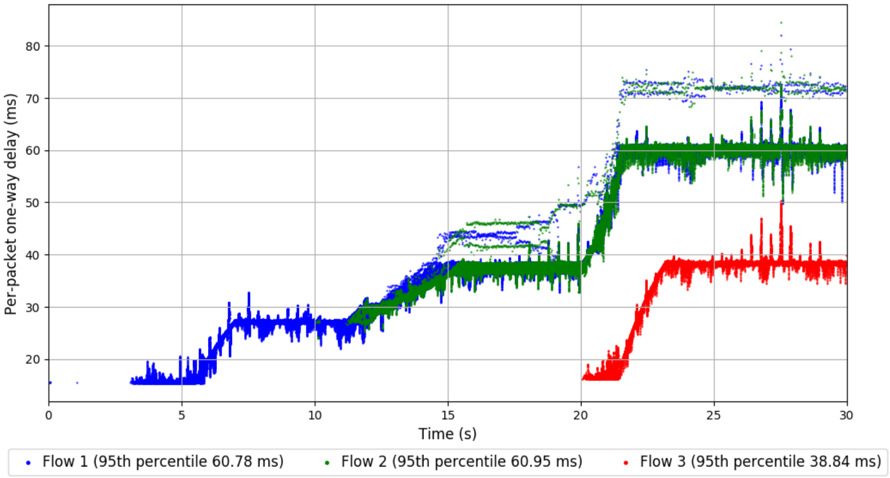
```
Run 1: Statistics of LEDBAT

Start at: 2018-04-24 17:19:47
End at: 2018-04-24 17:20:17
Local clock offset: 1.761 ms
Remote clock offset: -10.643 ms

# Below is generated by plot.py at 2018-04-24 23:51:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.27 Mbit/s
95th percentile per-packet one-way delay: 60.810 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 48.00 Mbit/s
95th percentile per-packet one-way delay: 60.783 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 60.951 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 45.19 Mbit/s
95th percentile per-packet one-way delay: 38.840 ms
Loss rate: 0.48%
```

Run 1: Report of LEDBAT — Data Link



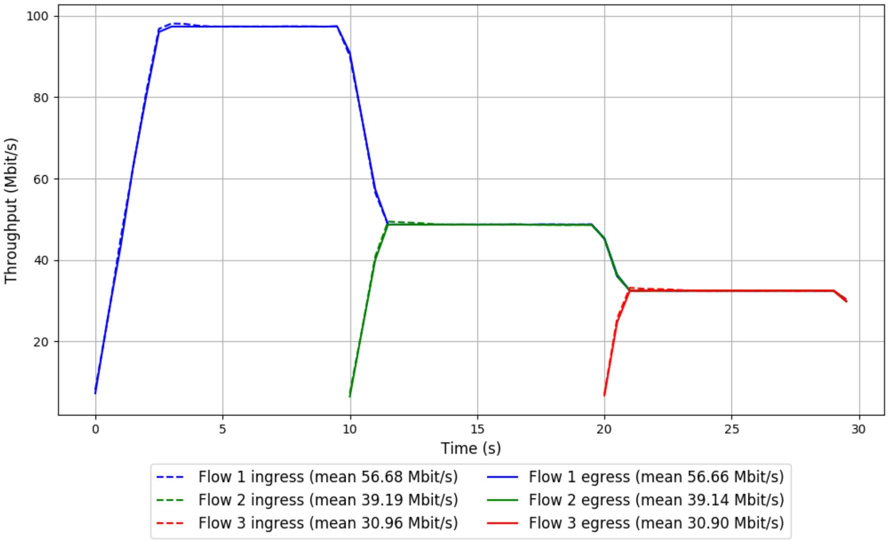


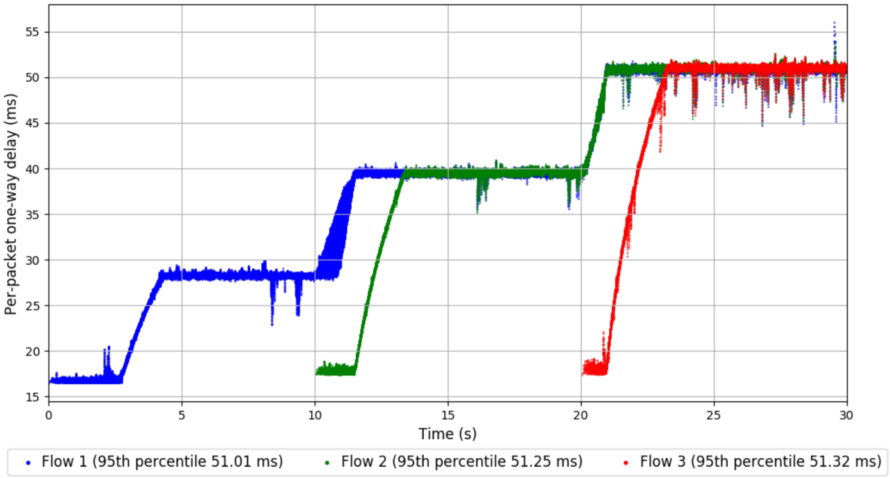
```
Run 2: Statistics of LEDBAT

Start at: 2018-04-24 17:42:26
End at: 2018-04-24 17:42:56
Local clock offset: 6.714 ms
Remote clock offset: -9.387 ms

# Below is generated by plot.py at 2018-04-24 23:51:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 51.204 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.66 Mbit/s
95th percentile per-packet one-way delay: 51.012 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.14 Mbit/s
95th percentile per-packet one-way delay: 51.247 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 51.324 ms
Loss rate: 0.61%
```

Run 2: Report of LEDBAT — Data Link



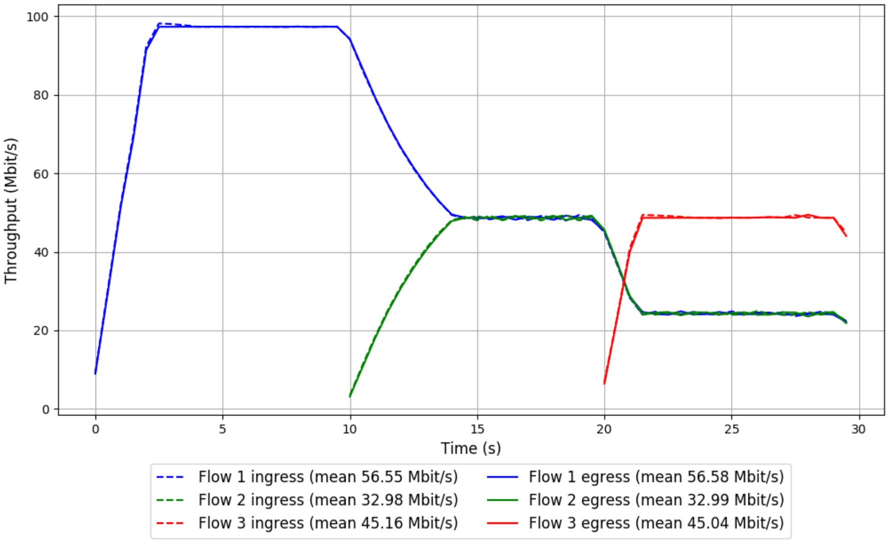


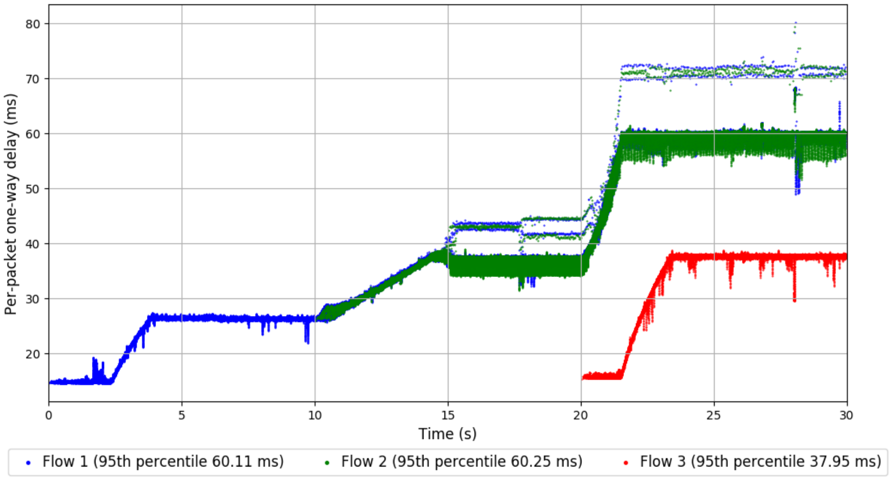
```
Run 3: Statistics of LEDBAT

Start at: 2018-04-24 18:03:51
End at: 2018-04-24 18:04:21
Local clock offset: 8.308 ms
Remote clock offset: -7.537 ms

# Below is generated by plot.py at 2018-04-24 23:51:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.45 Mbit/s
95th percentile per-packet one-way delay: 60.125 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 60.109 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 60.247 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 45.04 Mbit/s
95th percentile per-packet one-way delay: 37.953 ms
Loss rate: 0.51%
```

Run 3: Report of LEDBAT — Data Link



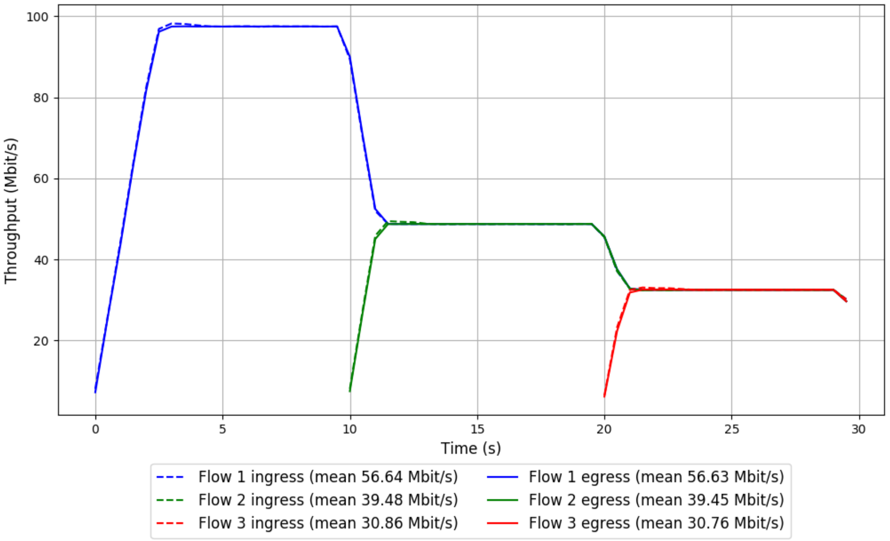


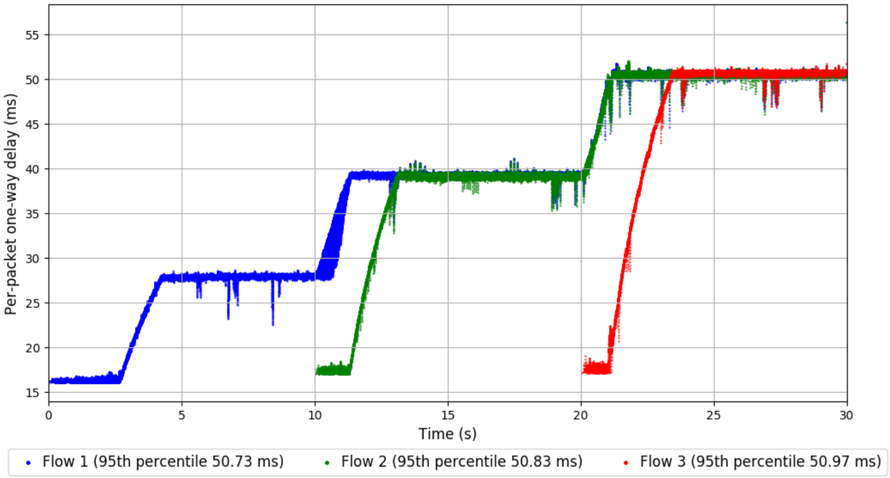
```
Run 4: Statistics of LEDBAT

Start at: 2018-04-24 18:24:30
End at: 2018-04-24 18:25:00
Local clock offset: -3.504 ms
Remote clock offset: -7.903 ms

# Below is generated by plot.py at 2018-04-24 23:51:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 50.852 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.63 Mbit/s
95th percentile per-packet one-way delay: 50.733 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 50.829 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 50.973 ms
Loss rate: 0.62%
```

Run 4: Report of LEDBAT — Data Link



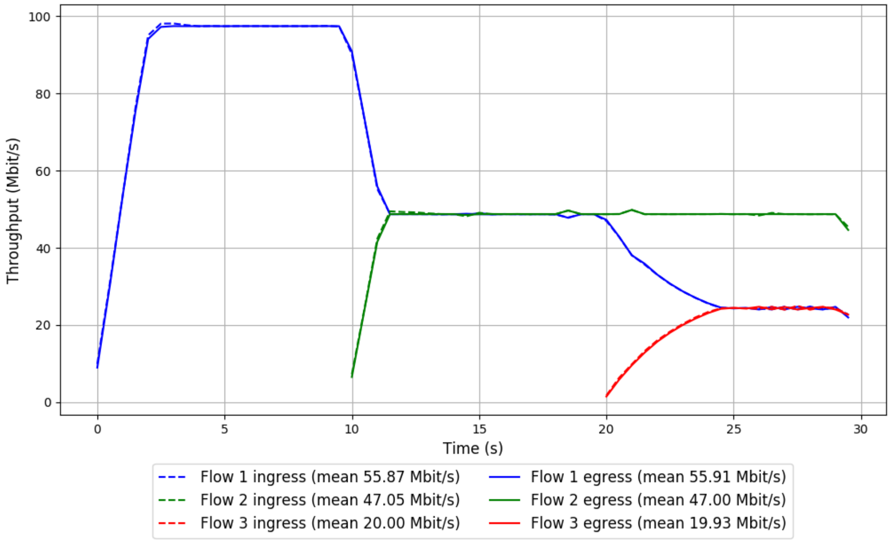


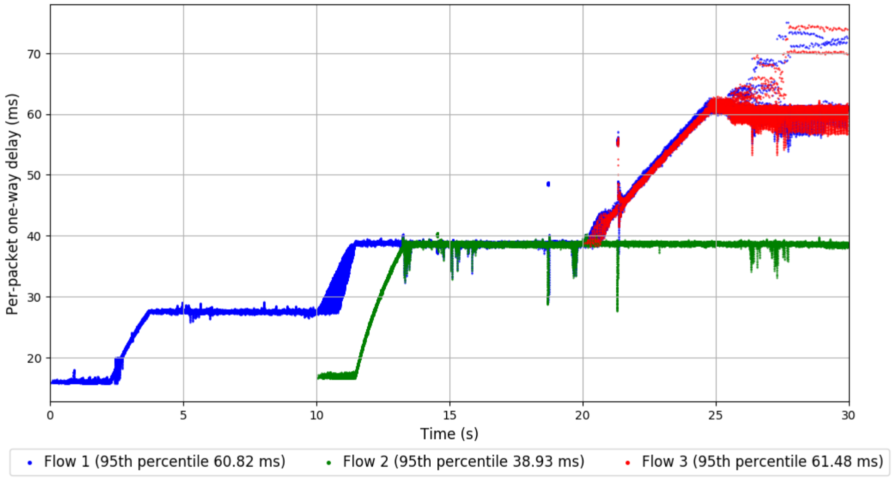
```
Run 5: Statistics of LEDBAT

Start at: 2018-04-24 18:44:48
End at: 2018-04-24 18:45:18
Local clock offset: -6.474 ms
Remote clock offset: -8.756 ms

# Below is generated by plot.py at 2018-04-24 23:53:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 60.905 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 55.91 Mbit/s
95th percentile per-packet one-way delay: 60.823 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 47.00 Mbit/s
95th percentile per-packet one-way delay: 38.934 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 19.93 Mbit/s
95th percentile per-packet one-way delay: 61.484 ms
Loss rate: 0.82%
```

Run 5: Report of LEDBAT — Data Link





```
Run 6: Statistics of LEDBAT

Start at: 2018-04-24 19:05:19
End at: 2018-04-24 19:05:49
Local clock offset: -4.184 ms
Remote clock offset: -8.787 ms
```

Run 6: Report of LEDBAT — Data Link

Figure is missing

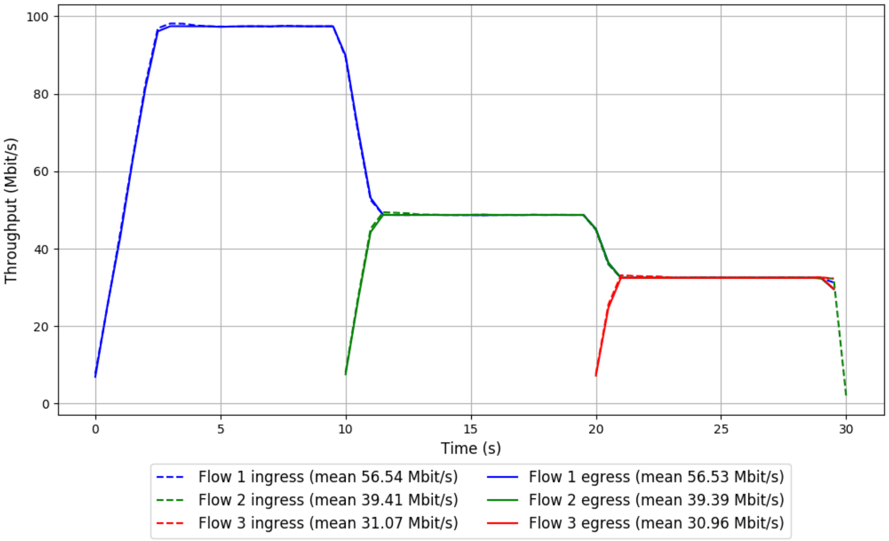
Figure is missing

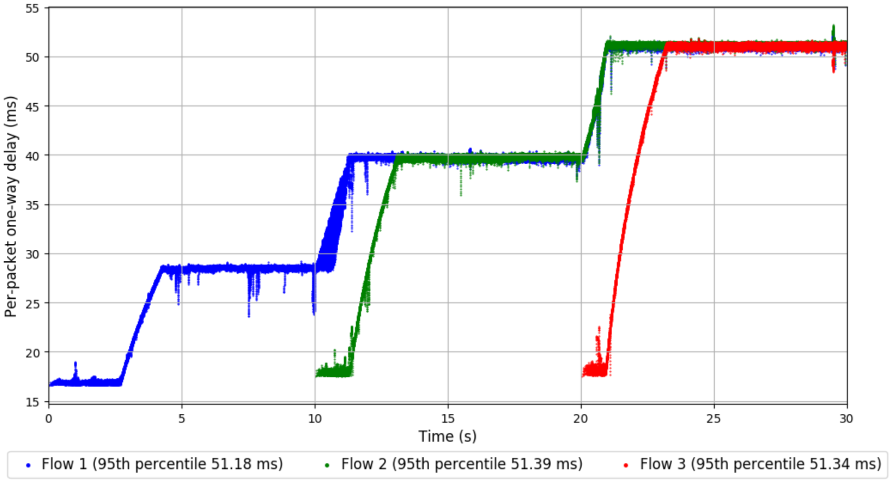
```
Run 7: Statistics of LEDBAT

Start at: 2018-04-24 19:25:43
End at: 2018-04-24 19:26:13
Local clock offset: -3.916 ms
Remote clock offset: -8.383 ms

# Below is generated by plot.py at 2018-04-24 23:53:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.01 Mbit/s
95th percentile per-packet one-way delay: 51.316 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 51.178 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 51.393 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 51.336 ms
Loss rate: 0.96%
```

Run 7: Report of LEDBAT — Data Link



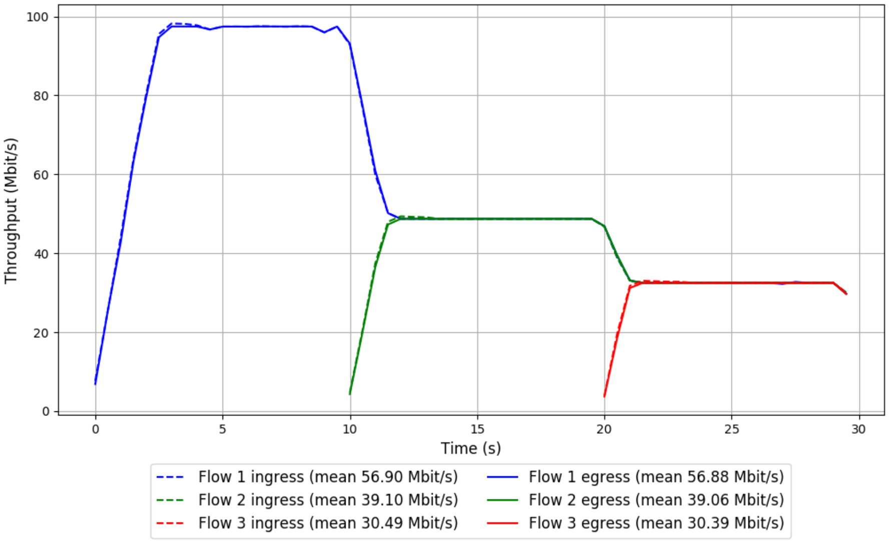


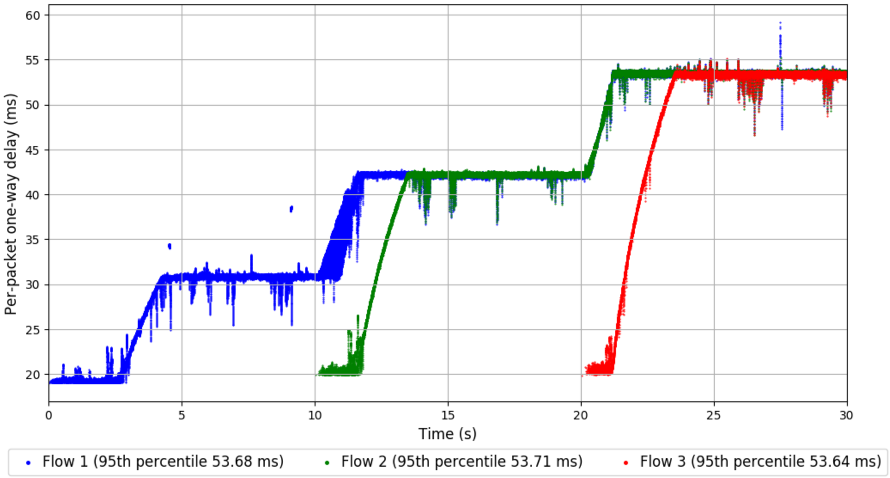
```
Run 8: Statistics of LEDBAT

Start at: 2018-04-24 19:46:00
End at: 2018-04-24 19:46:30
Local clock offset: -1.367 ms
Remote clock offset: -6.651 ms

# Below is generated by plot.py at 2018-04-24 23:53:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: 53.689 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.88 Mbit/s
95th percentile per-packet one-way delay: 53.677 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.06 Mbit/s
95th percentile per-packet one-way delay: 53.713 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 53.644 ms
Loss rate: 0.62%
```

Run 8: Report of LEDBAT — Data Link



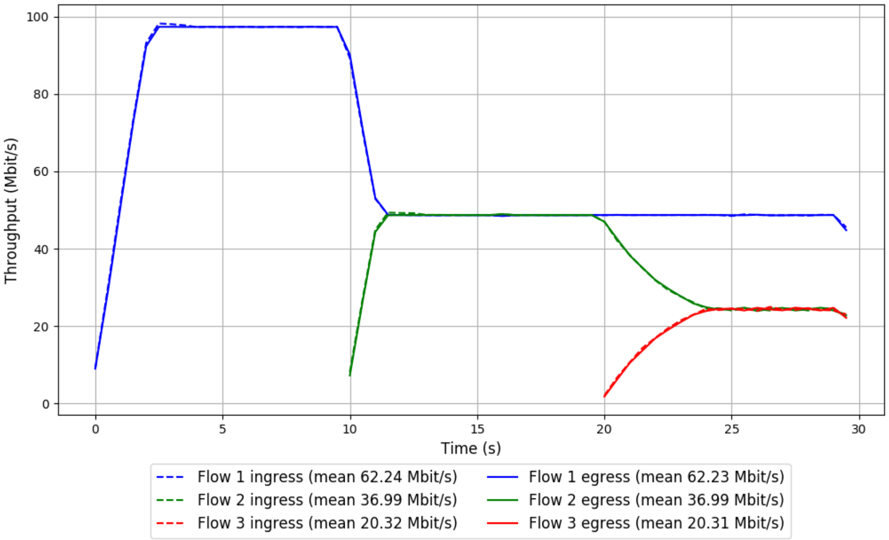


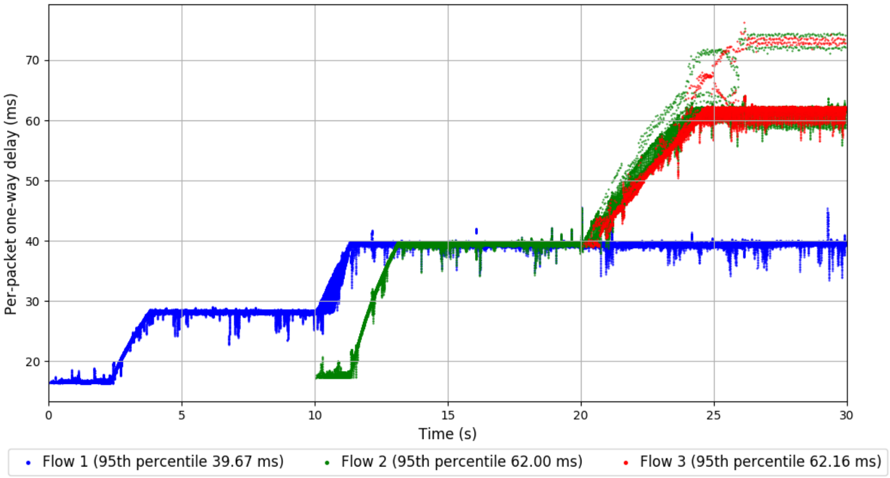
```
Run 9: Statistics of LEDBAT

Start at: 2018-04-24 20:06:32
End at: 2018-04-24 20:07:02
Local clock offset: -3.846 ms
Remote clock offset: -9.049 ms

# Below is generated by plot.py at 2018-04-24 23:53:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 61.858 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 62.23 Mbit/s
95th percentile per-packet one-way delay: 39.668 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: 61.998 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 20.31 Mbit/s
95th percentile per-packet one-way delay: 62.155 ms
Loss rate: 0.85%
```

Run 9: Report of LEDBAT — Data Link



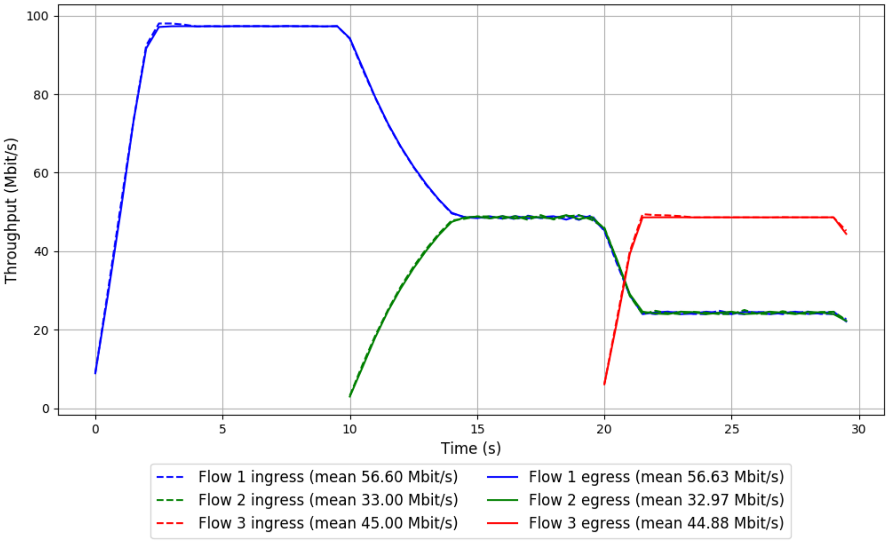


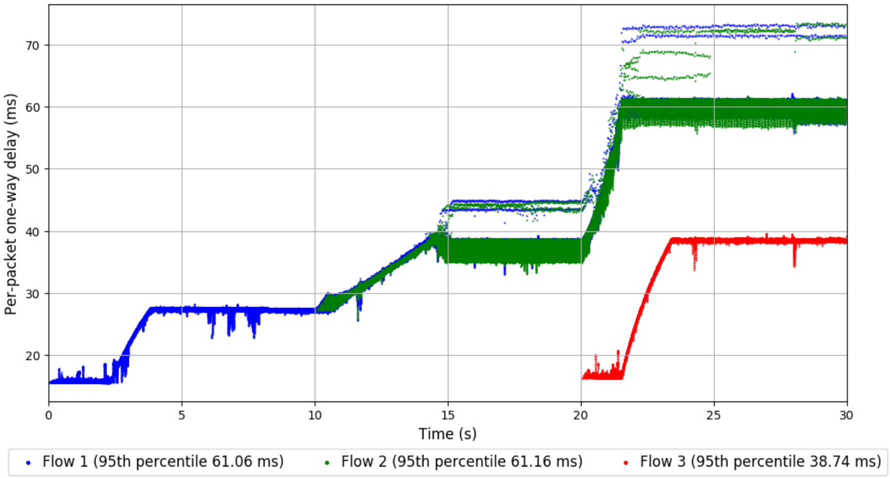
```
Run 10: Statistics of LEDBAT

Start at: 2018-04-24 20:26:43
End at: 2018-04-24 20:27:13
Local clock offset: -2.486 ms
Remote clock offset: -8.717 ms

# Below is generated by plot.py at 2018-04-24 23:53:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: 61.081 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.63 Mbit/s
95th percentile per-packet one-way delay: 61.065 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 32.97 Mbit/s
95th percentile per-packet one-way delay: 61.159 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 44.88 Mbit/s
95th percentile per-packet one-way delay: 38.742 ms
Loss rate: 0.51%
```

Run 10: Report of LEDBAT — Data Link



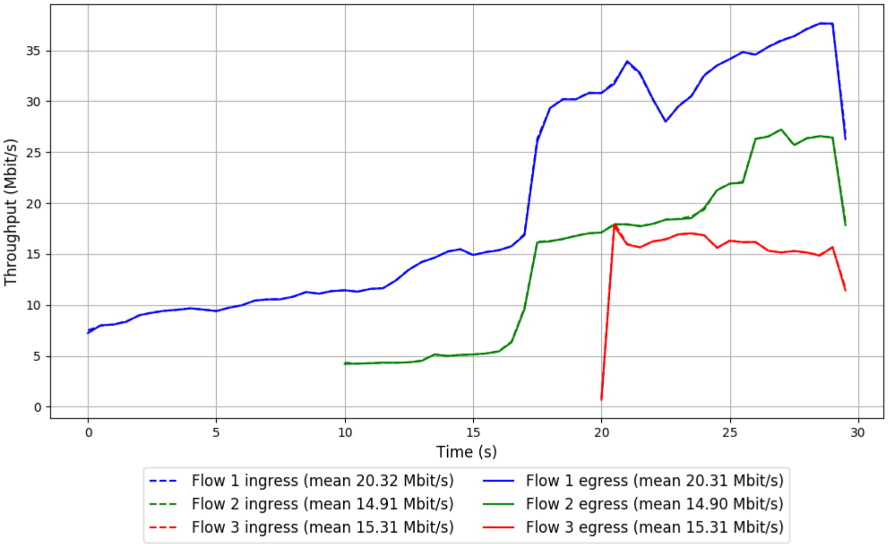


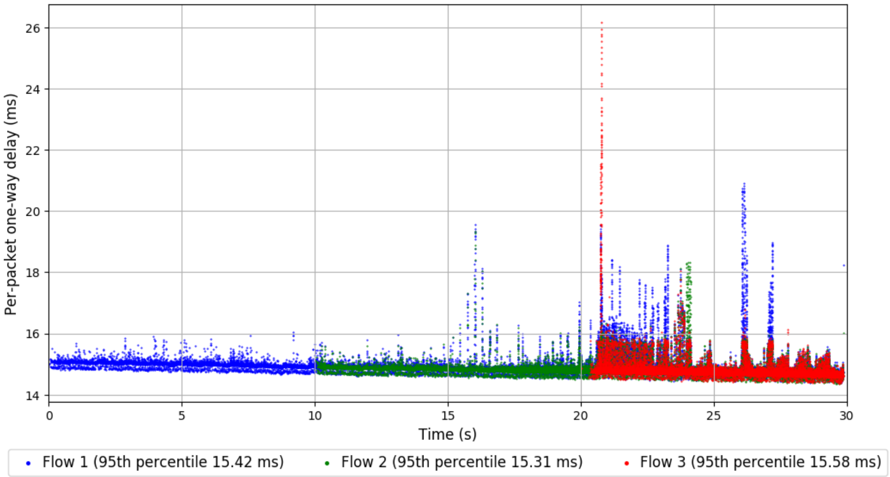
```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-24 17:06:32
End at: 2018-04-24 17:07:02
Local clock offset: -4.142 ms
Remote clock offset: -8.641 ms

# Below is generated by plot.py at 2018-04-24 23:53:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.25 Mbit/s
95th percentile per-packet one-way delay: 15.416 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 20.31 Mbit/s
95th percentile per-packet one-way delay: 15.416 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 14.90 Mbit/s
95th percentile per-packet one-way delay: 15.314 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 15.31 Mbit/s
95th percentile per-packet one-way delay: 15.581 ms
Loss rate: 0.24%
```

Run 1: Report of PCC-Allegro — Data Link



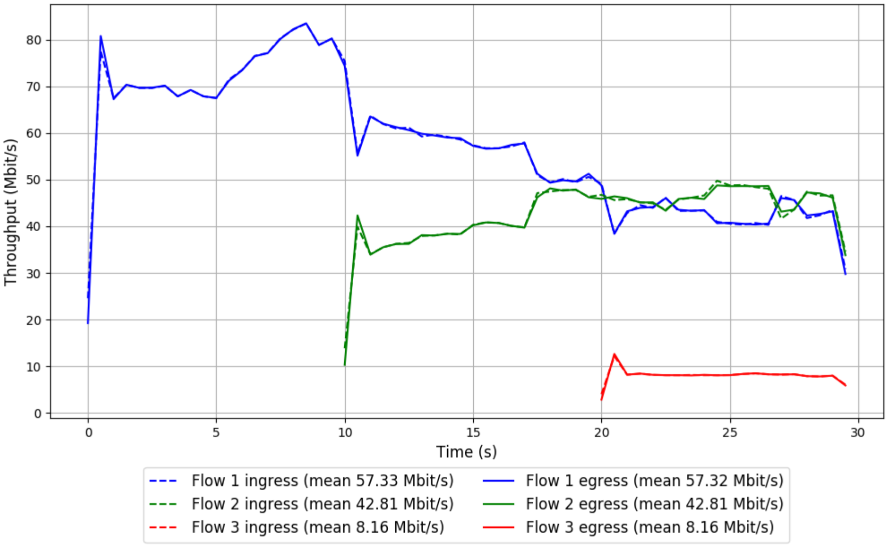


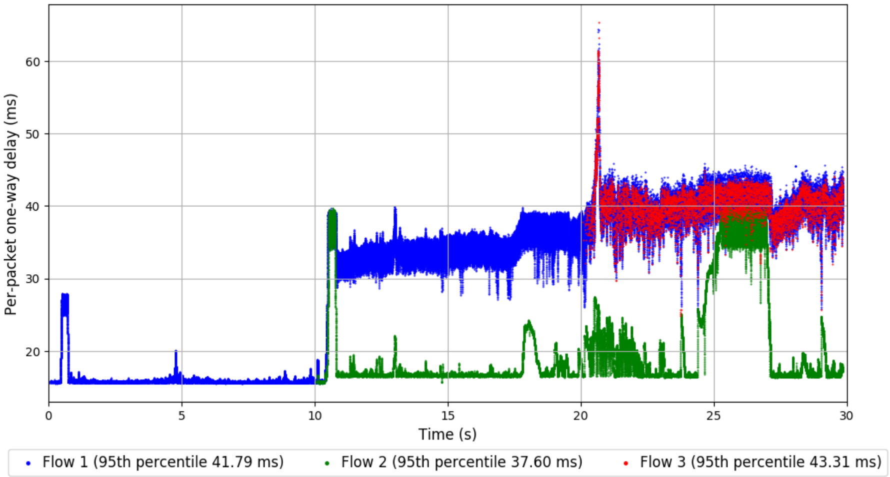
```
Run 2: Statistics of PCC-Allegro

Start at: 2018-04-24 17:29:44
End at: 2018-04-24 17:30:14
Local clock offset: 4.508 ms
Remote clock offset: -11.53 ms

# Below is generated by plot.py at 2018-04-24 23:53:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.45 Mbit/s
95th percentile per-packet one-way delay: 41.415 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 57.32 Mbit/s
95th percentile per-packet one-way delay: 41.792 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 42.81 Mbit/s
95th percentile per-packet one-way delay: 37.600 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 8.16 Mbit/s
95th percentile per-packet one-way delay: 43.312 ms
Loss rate: 0.50%
```

Run 2: Report of PCC-Allegro — Data Link



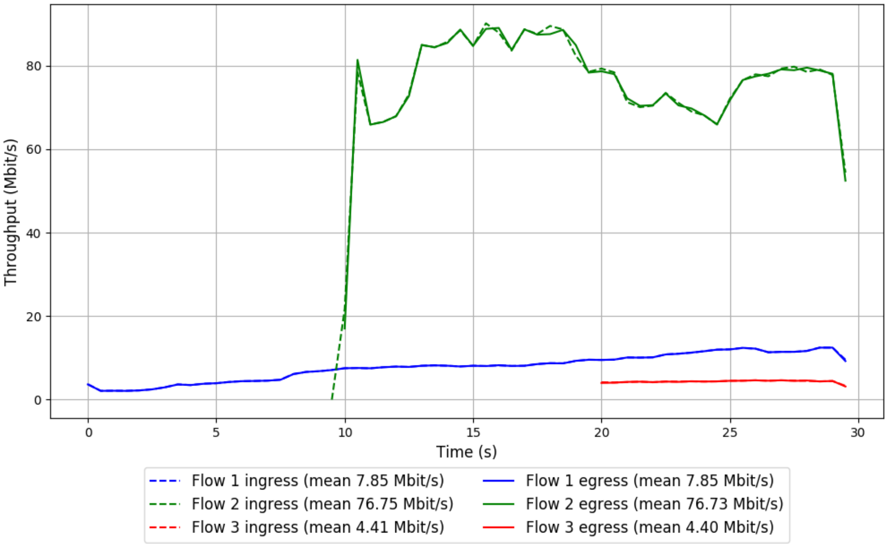


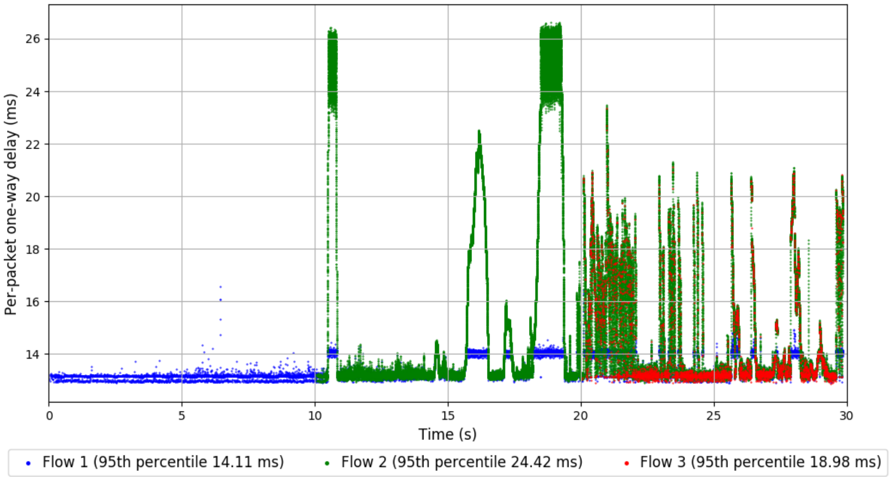
```
Run 3: Statistics of PCC-Allegro

Start at: 2018-04-24 17:50:59
End at: 2018-04-24 17:51:29
Local clock offset: 5.82 ms
Remote clock offset: -7.132 ms

# Below is generated by plot.py at 2018-04-24 23:53:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.32 Mbit/s
95th percentile per-packet one-way delay: 23.797 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 14.114 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 76.73 Mbit/s
95th percentile per-packet one-way delay: 24.421 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 18.985 ms
Loss rate: 0.31%
```

Run 3: Report of PCC-Allegro — Data Link



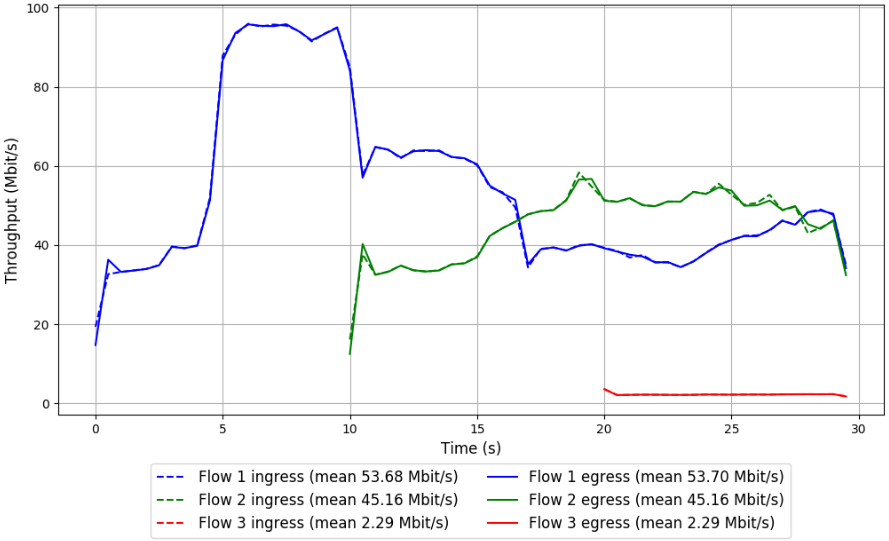


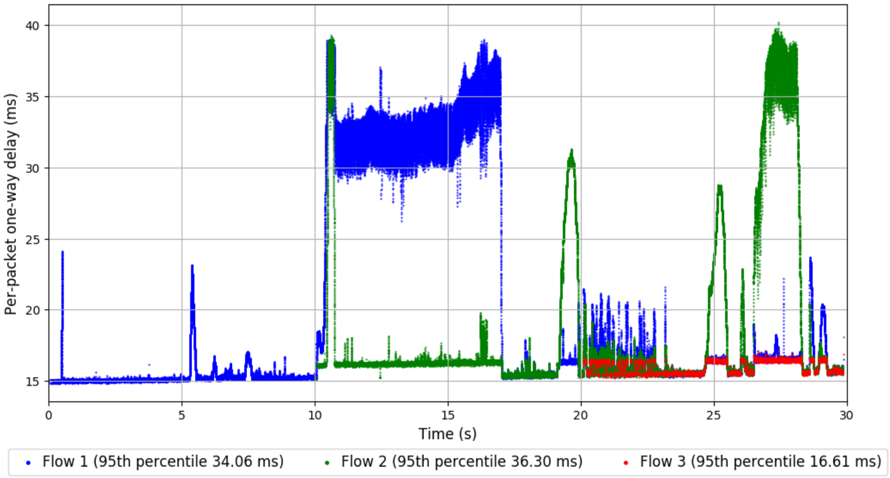
```
Run 4: Statistics of PCC-Allegro

Start at: 2018-04-24 18:12:30
End at: 2018-04-24 18:13:00
Local clock offset: 4.772 ms
Remote clock offset: -6.368 ms

# Below is generated by plot.py at 2018-04-24 23:53:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.47 Mbit/s
95th percentile per-packet one-way delay: 34.678 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 53.70 Mbit/s
95th percentile per-packet one-way delay: 34.058 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 45.16 Mbit/s
95th percentile per-packet one-way delay: 36.296 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 16.606 ms
Loss rate: 0.22%
```

Run 4: Report of PCC-Allegro — Data Link



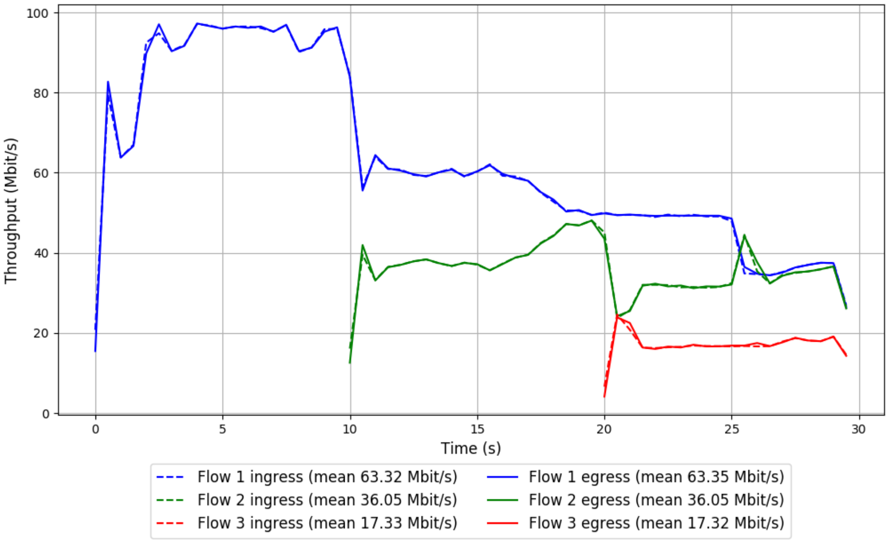


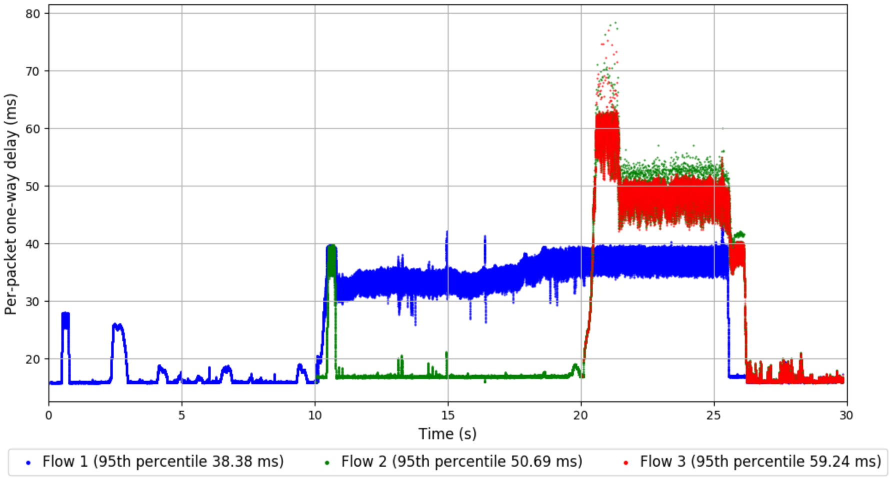
```
Run 5: Statistics of PCC-Allegro

Start at: 2018-04-24 18:32:57
End at: 2018-04-24 18:33:27
Local clock offset: -5.199 ms
Remote clock offset: -7.131 ms

# Below is generated by plot.py at 2018-04-24 23:54:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 48.628 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 63.35 Mbit/s
95th percentile per-packet one-way delay: 38.383 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.05 Mbit/s
95th percentile per-packet one-way delay: 50.690 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 17.32 Mbit/s
95th percentile per-packet one-way delay: 59.240 ms
Loss rate: 0.27%
```

Run 5: Report of PCC-Allegro — Data Link



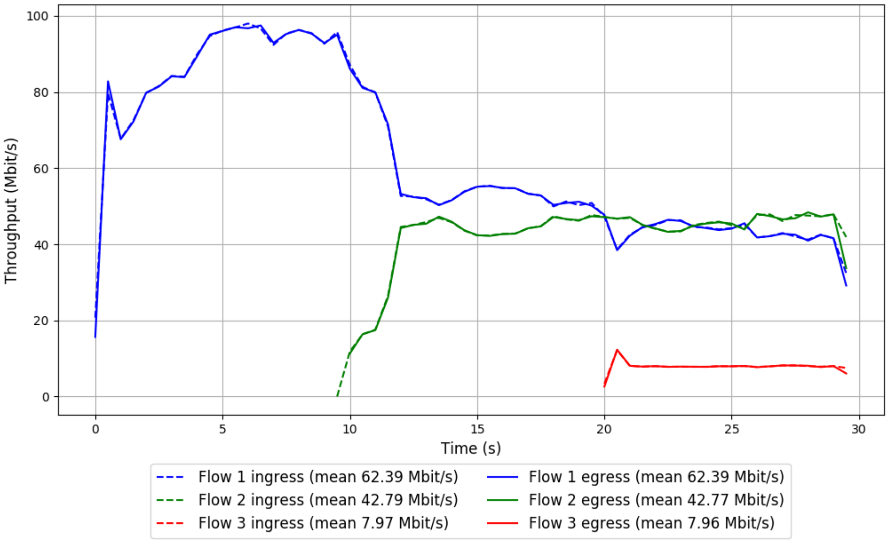


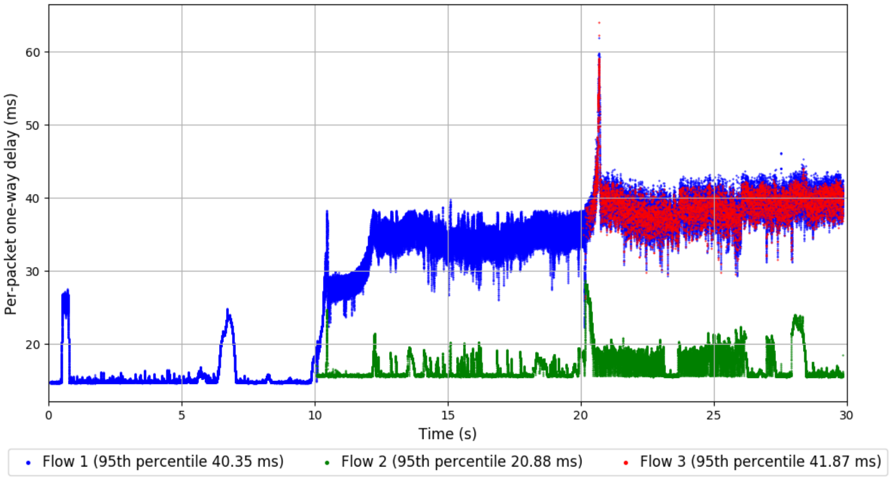
```
Run 6: Statistics of PCC-Allegro

Start at: 2018-04-24 18:53:14
End at: 2018-04-24 18:53:44
Local clock offset: -4.97 ms
Remote clock offset: -9.071 ms

# Below is generated by plot.py at 2018-04-24 23:54:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 40.003 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 62.39 Mbit/s
95th percentile per-packet one-way delay: 40.355 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 42.77 Mbit/s
95th percentile per-packet one-way delay: 20.881 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 41.867 ms
Loss rate: 1.33%
```

Run 6: Report of PCC-Allegro — Data Link



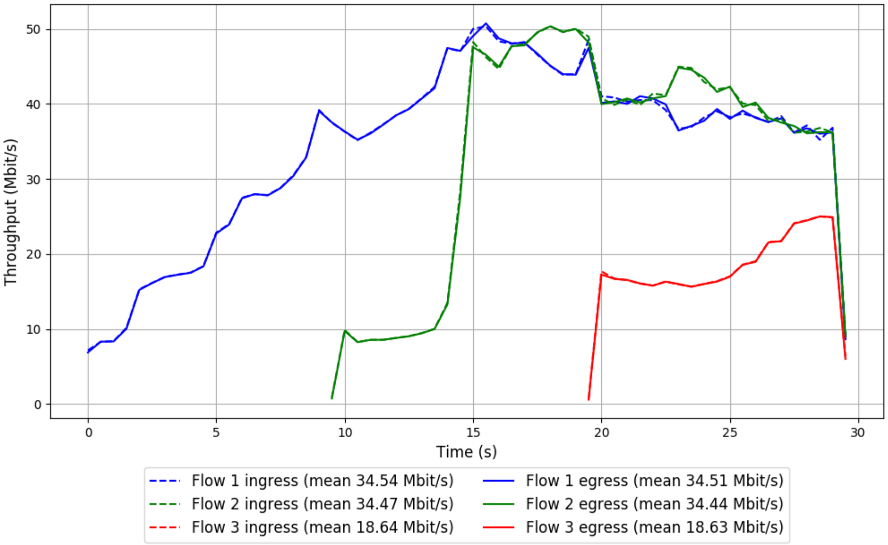


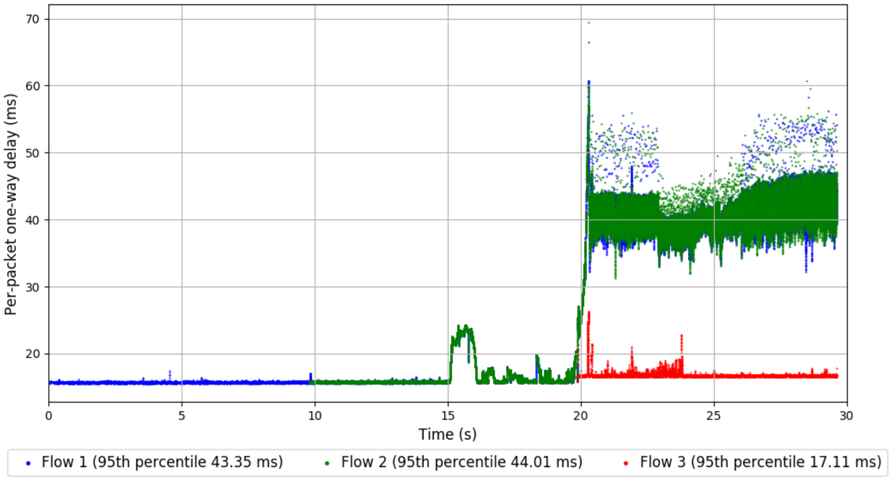
```
Run 7: Statistics of PCC-Allegro

Start at: 2018-04-24 19:14:00
End at: 2018-04-24 19:14:30
Local clock offset: -4.206 ms
Remote clock offset: -9.868 ms

# Below is generated by plot.py at 2018-04-24 23:54:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.75 Mbit/s
95th percentile per-packet one-way delay: 43.444 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 34.51 Mbit/s
95th percentile per-packet one-way delay: 43.354 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 34.44 Mbit/s
95th percentile per-packet one-way delay: 44.005 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 18.63 Mbit/s
95th percentile per-packet one-way delay: 17.105 ms
Loss rate: 0.32%
```

Run 7: Report of PCC-Allegro — Data Link



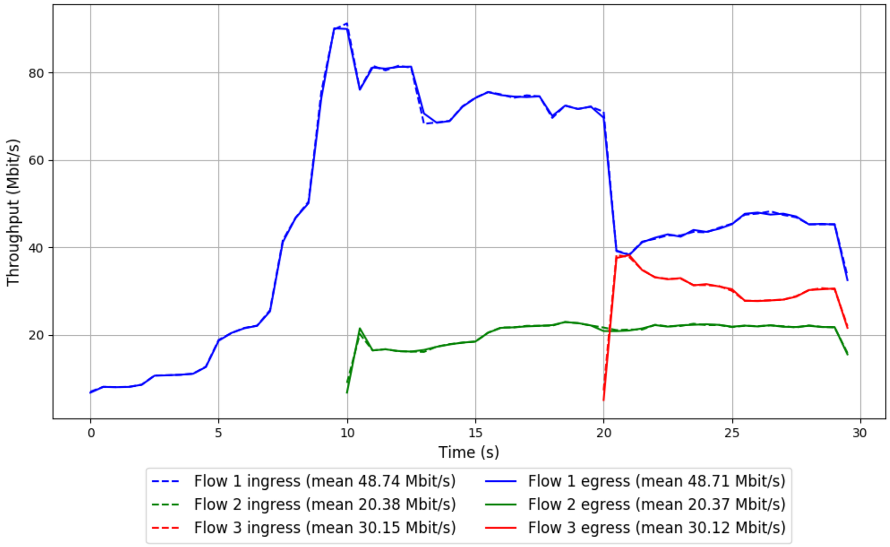


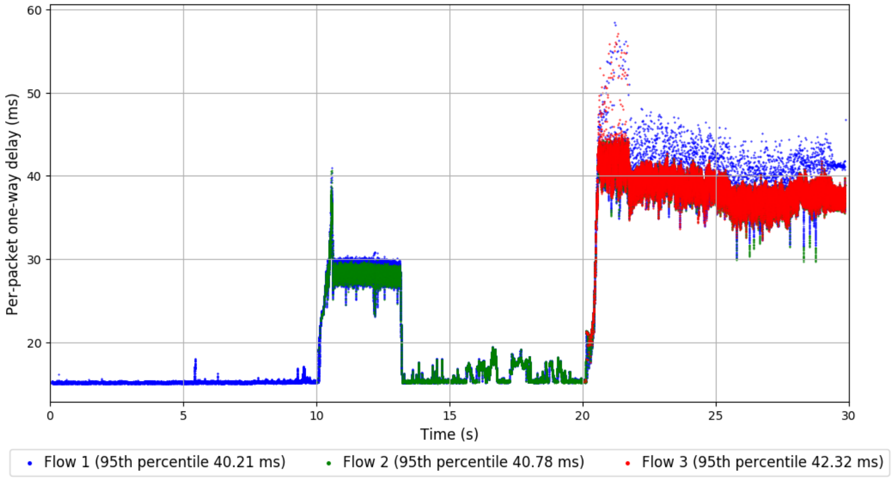
```
Run 8: Statistics of PCC-Allegro

Start at: 2018-04-24 19:34:03
End at: 2018-04-24 19:34:33
Local clock offset: -5.035 ms
Remote clock offset: -7.199 ms

# Below is generated by plot.py at 2018-04-24 23:54:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.15 Mbit/s
95th percentile per-packet one-way delay: 40.777 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 48.71 Mbit/s
95th percentile per-packet one-way delay: 40.210 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 20.37 Mbit/s
95th percentile per-packet one-way delay: 40.779 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 42.317 ms
Loss rate: 0.45%
```

Run 8: Report of PCC-Allegro — Data Link



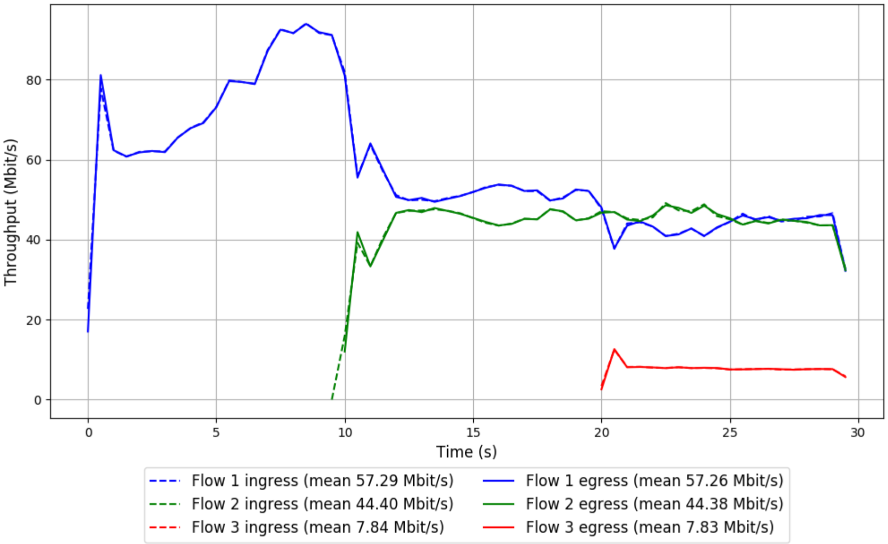


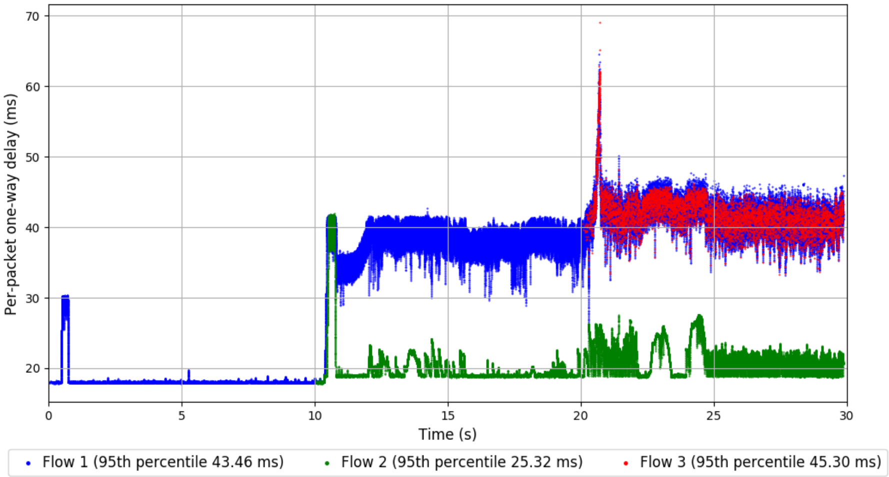
```
Run 9: Statistics of PCC-Allegro

Start at: 2018-04-24 19:54:31
End at: 2018-04-24 19:55:01
Local clock offset: -2.945 ms
Remote clock offset: -8.276 ms

# Below is generated by plot.py at 2018-04-24 23:54:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.34 Mbit/s
95th percentile per-packet one-way delay: 43.030 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 43.464 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 44.38 Mbit/s
95th percentile per-packet one-way delay: 25.319 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 45.299 ms
Loss rate: 0.57%
```

Run 9: Report of PCC-Allegro — Data Link



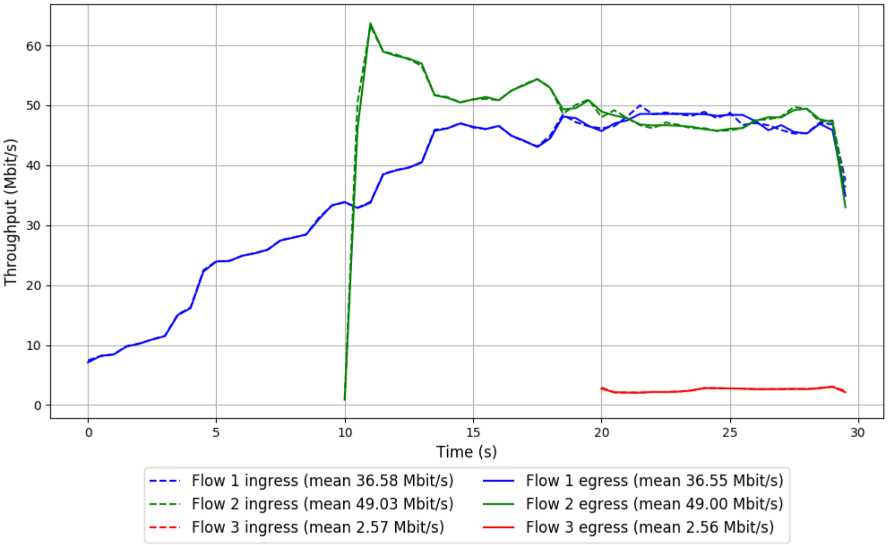


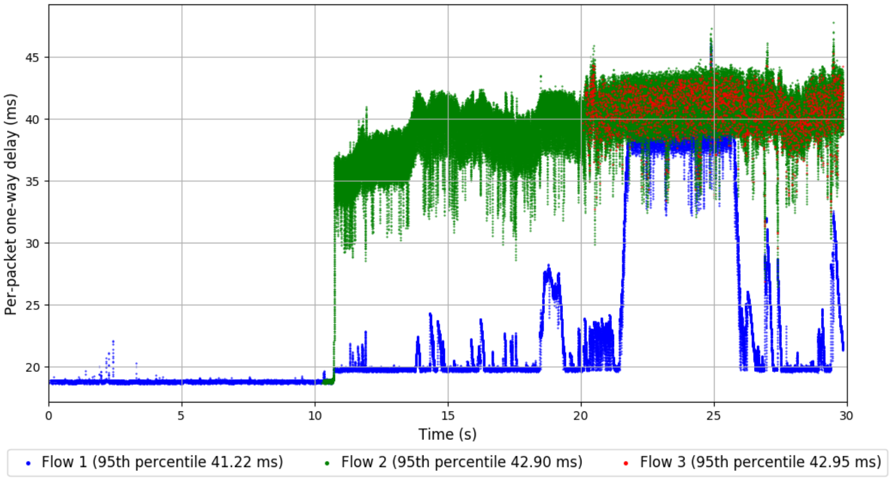
```
Run 10: Statistics of PCC-Allegro

Start at: 2018-04-24 20:15:05
End at: 2018-04-24 20:15:35
Local clock offset: -0.709 ms
Remote clock offset: -8.77 ms

# Below is generated by plot.py at 2018-04-24 23:54:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.97 Mbit/s
95th percentile per-packet one-way delay: 42.348 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 36.55 Mbit/s
95th percentile per-packet one-way delay: 41.222 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 49.00 Mbit/s
95th percentile per-packet one-way delay: 42.903 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 42.951 ms
Loss rate: 0.91%
```

Run 10: Report of PCC-Allegro — Data Link



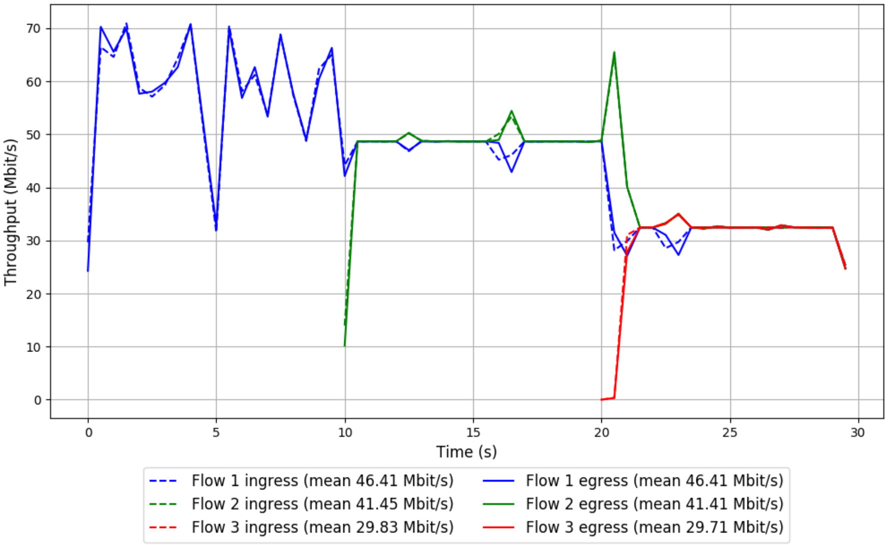


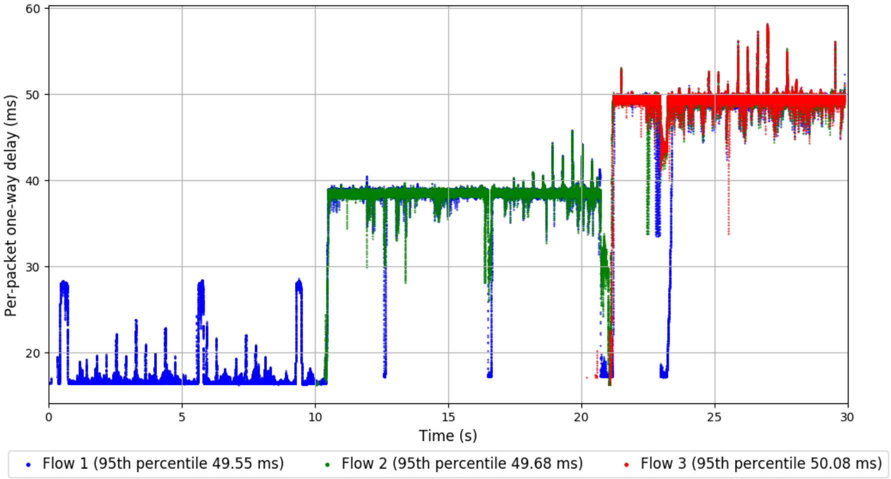
```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-24 17:15:58
End at: 2018-04-24 17:16:28
Local clock offset: 0.904 ms
Remote clock offset: -10.904 ms

# Below is generated by plot.py at 2018-04-24 23:54:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 49.727 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 49.549 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 41.41 Mbit/s
95th percentile per-packet one-way delay: 49.684 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 29.71 Mbit/s
95th percentile per-packet one-way delay: 50.075 ms
Loss rate: 0.64%
```

Run 1: Report of QUIC Cubic — Data Link



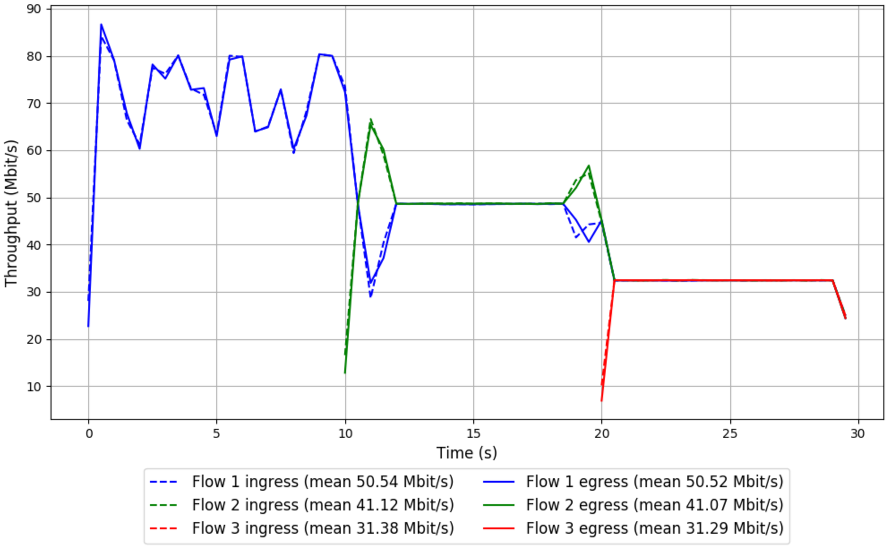


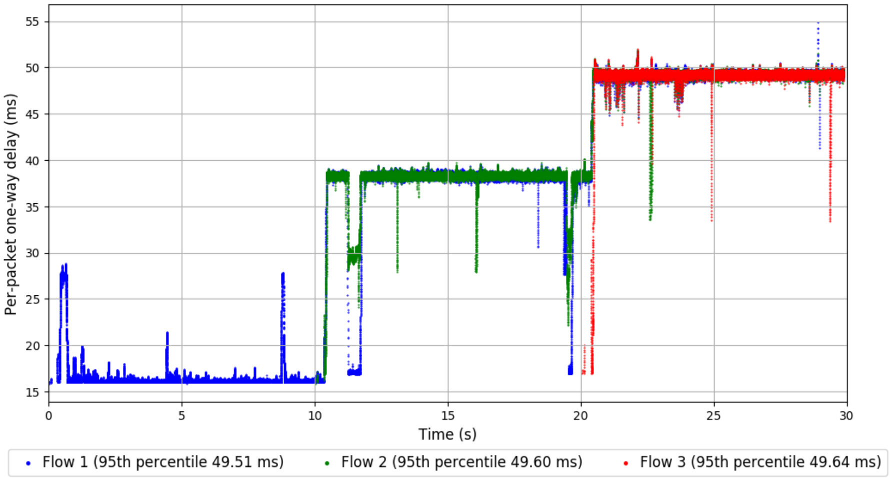
```
Run 2: Statistics of QUIC Cubic

Start at: 2018-04-24 17:38:56
End at: 2018-04-24 17:39:26
Local clock offset: 6.187 ms
Remote clock offset: -9.69 ms

# Below is generated by plot.py at 2018-04-24 23:55:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.13 Mbit/s
95th percentile per-packet one-way delay: 49.580 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 50.52 Mbit/s
95th percentile per-packet one-way delay: 49.509 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 41.07 Mbit/s
95th percentile per-packet one-way delay: 49.597 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 49.636 ms
Loss rate: 0.60%
```

Run 2: Report of QUIC Cubic — Data Link



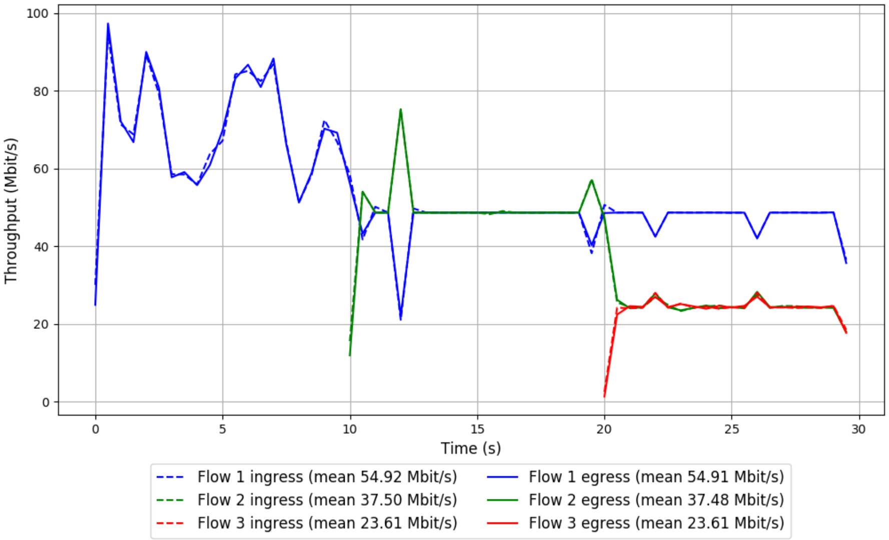


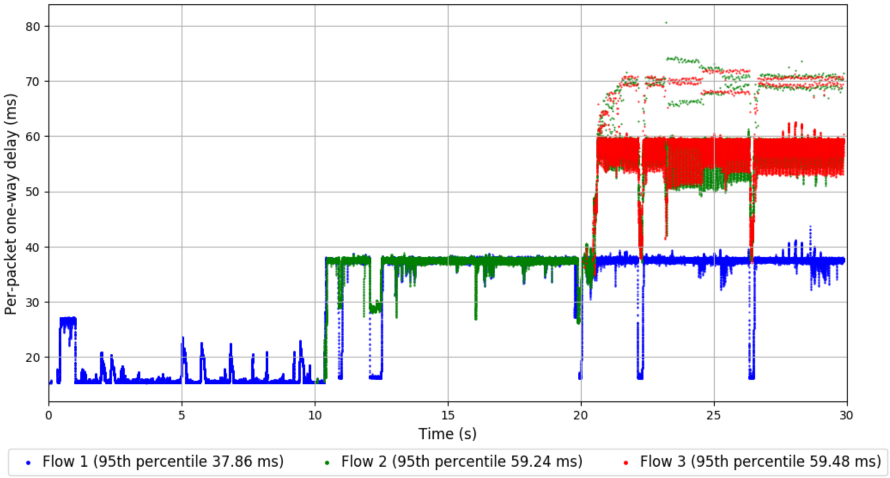
```
Run 3: Statistics of QUIC Cubic

Start at: 2018-04-24 18:00:17
End at: 2018-04-24 18:00:47
Local clock offset: 9.05 ms
Remote clock offset: -7.089 ms

# Below is generated by plot.py at 2018-04-24 23:55:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.55 Mbit/s
95th percentile per-packet one-way delay: 59.099 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 54.91 Mbit/s
95th percentile per-packet one-way delay: 37.864 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 59.245 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 23.61 Mbit/s
95th percentile per-packet one-way delay: 59.485 ms
Loss rate: 0.72%
```

Run 3: Report of QUIC Cubic — Data Link



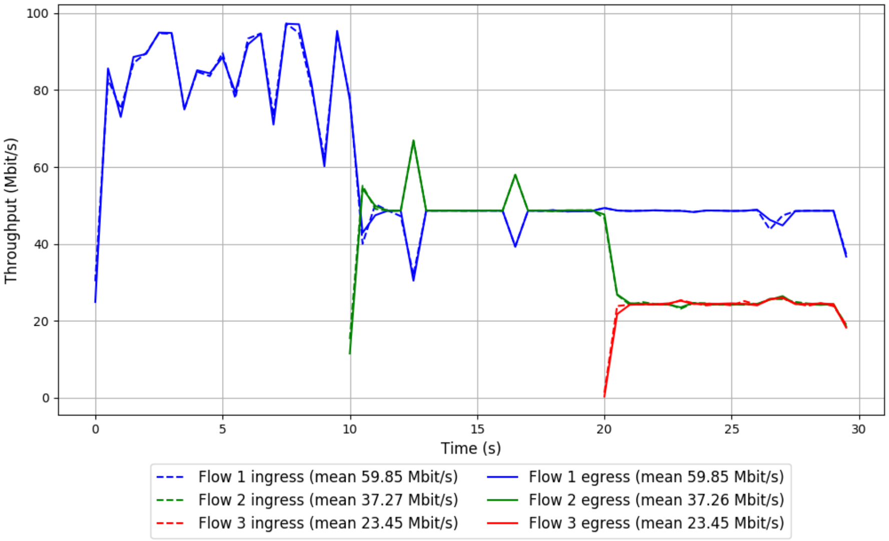


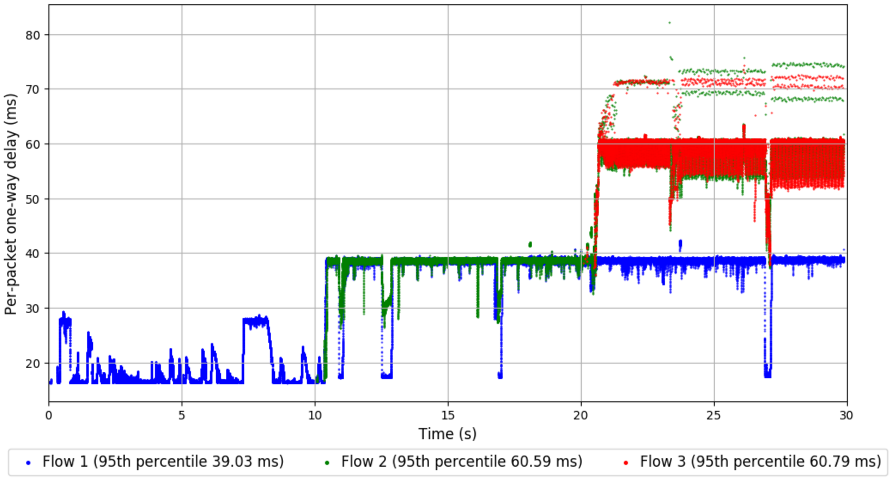
```
Run 4: Statistics of QUIC Cubic

Start at: 2018-04-24 18:21:06
End at: 2018-04-24 18:21:36
Local clock offset: -1.869 ms
Remote clock offset: -7.935 ms

# Below is generated by plot.py at 2018-04-24 23:55:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 60.440 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.85 Mbit/s
95th percentile per-packet one-way delay: 39.035 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.26 Mbit/s
95th percentile per-packet one-way delay: 60.592 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 60.790 ms
Loss rate: 0.63%
```

Run 4: Report of QUIC Cubic — Data Link



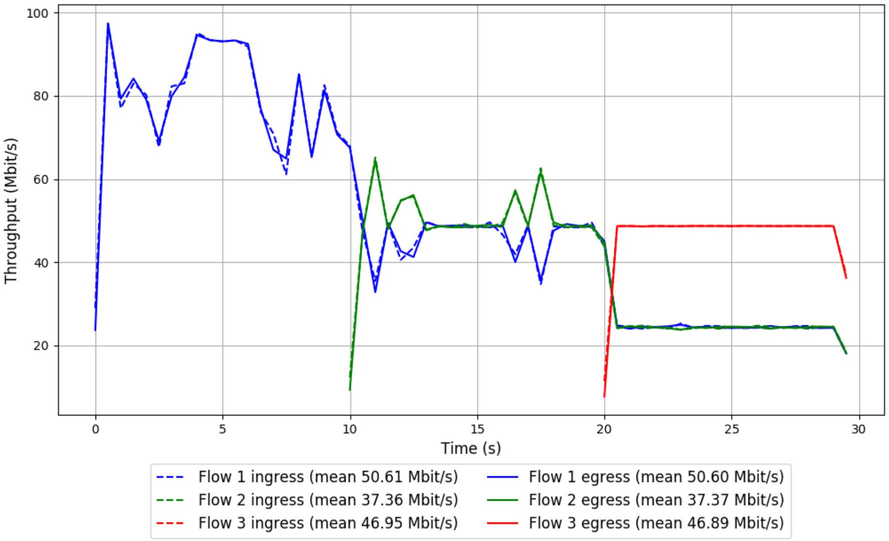


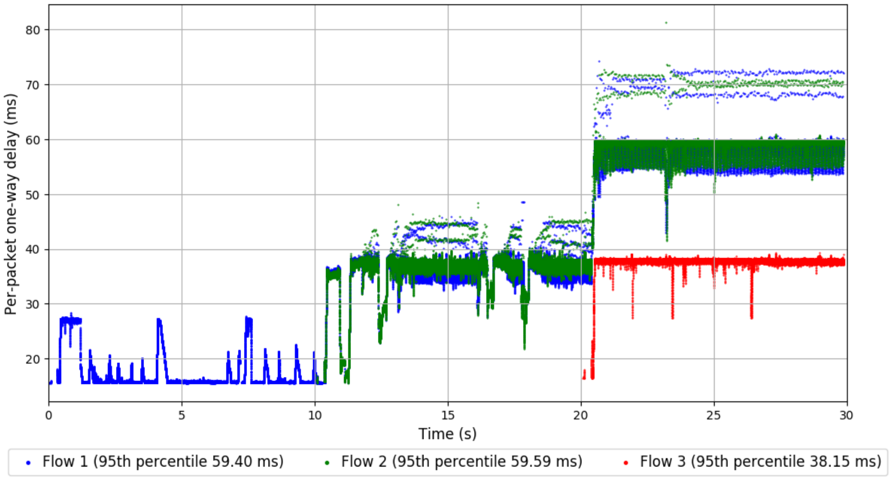
```
Run 5: Statistics of QUIC Cubic

Start at: 2018-04-24 18:41:23
End at: 2018-04-24 18:41:53
Local clock offset: -6.46 ms
Remote clock offset: -7.118 ms

# Below is generated by plot.py at 2018-04-24 23:55:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.85 Mbit/s
95th percentile per-packet one-way delay: 59.453 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 50.60 Mbit/s
95th percentile per-packet one-way delay: 59.397 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.37 Mbit/s
95th percentile per-packet one-way delay: 59.589 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 38.148 ms
Loss rate: 0.48%
```

Run 5: Report of QUIC Cubic — Data Link



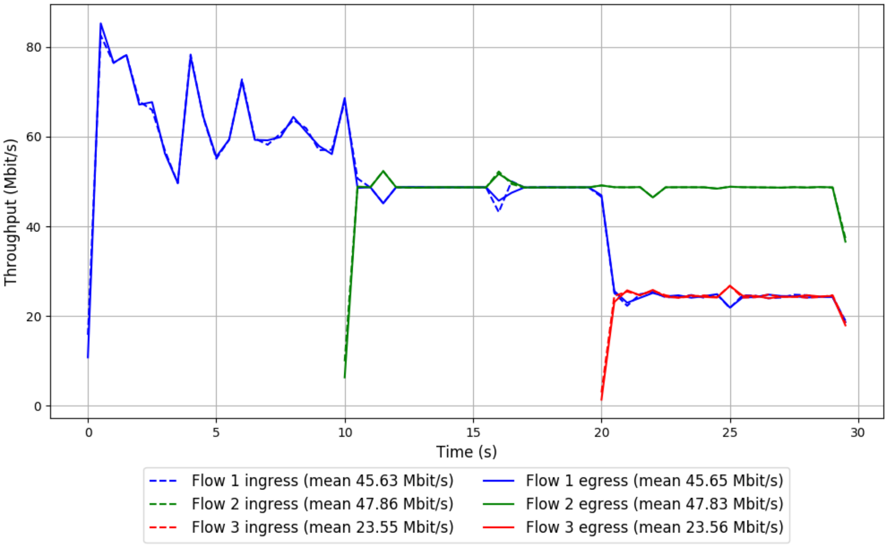


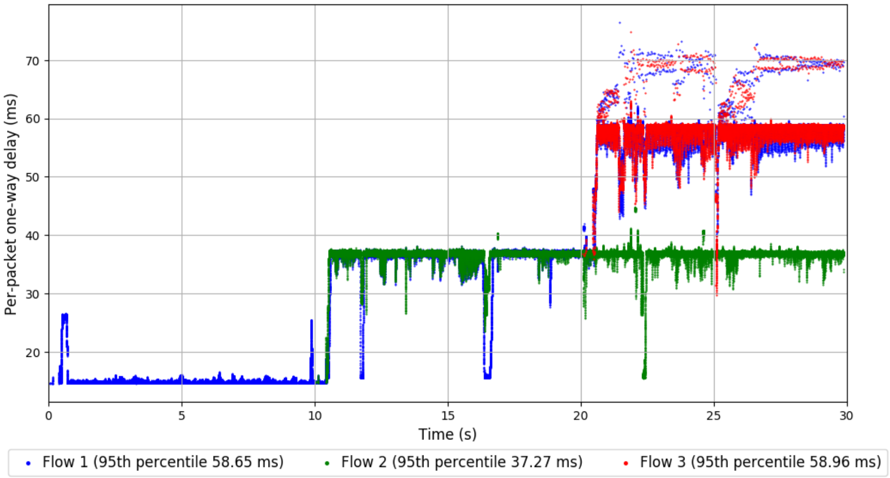
```
Run 6: Statistics of QUIC Cubic

Start at: 2018-04-24 19:01:53
End at: 2018-04-24 19:02:23
Local clock offset: -4.63 ms
Remote clock offset: -9.794 ms

# Below is generated by plot.py at 2018-04-24 23:55:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 58.675 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 45.65 Mbit/s
95th percentile per-packet one-way delay: 58.651 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 47.83 Mbit/s
95th percentile per-packet one-way delay: 37.267 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 23.56 Mbit/s
95th percentile per-packet one-way delay: 58.956 ms
Loss rate: 0.68%
```

Run 6: Report of QUIC Cubic — Data Link



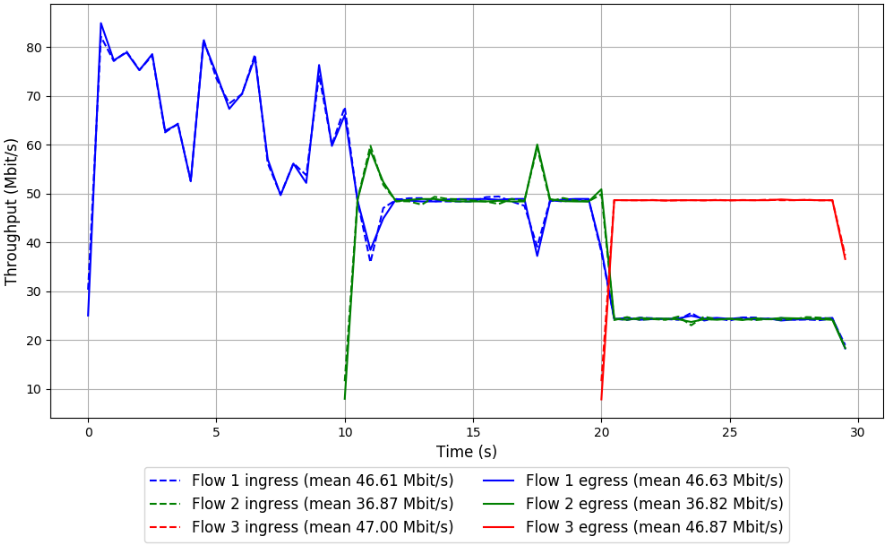


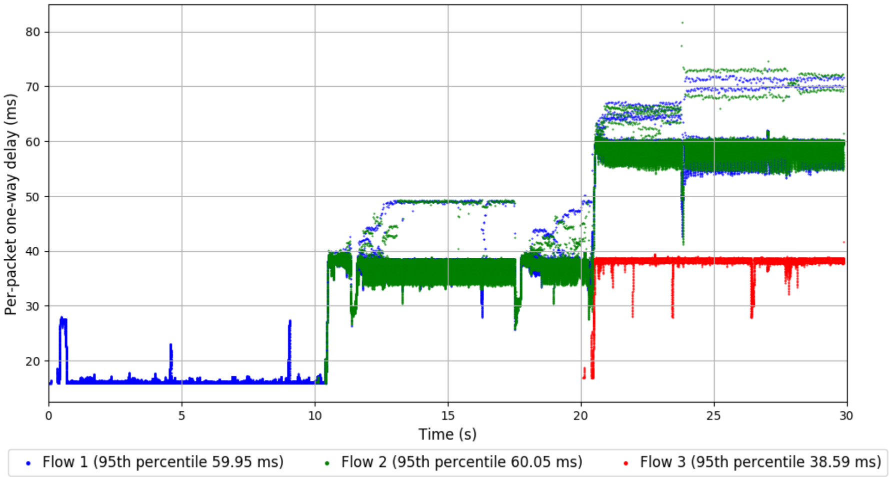
```
Run 7: Statistics of QUIC Cubic

Start at: 2018-04-24 19:22:18
End at: 2018-04-24 19:22:48
Local clock offset: -4.775 ms
Remote clock offset: -9.037 ms

# Below is generated by plot.py at 2018-04-24 23:56:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.50 Mbit/s
95th percentile per-packet one-way delay: 59.931 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 46.63 Mbit/s
95th percentile per-packet one-way delay: 59.947 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 60.045 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 38.594 ms
Loss rate: 0.48%
```

Run 7: Report of QUIC Cubic — Data Link



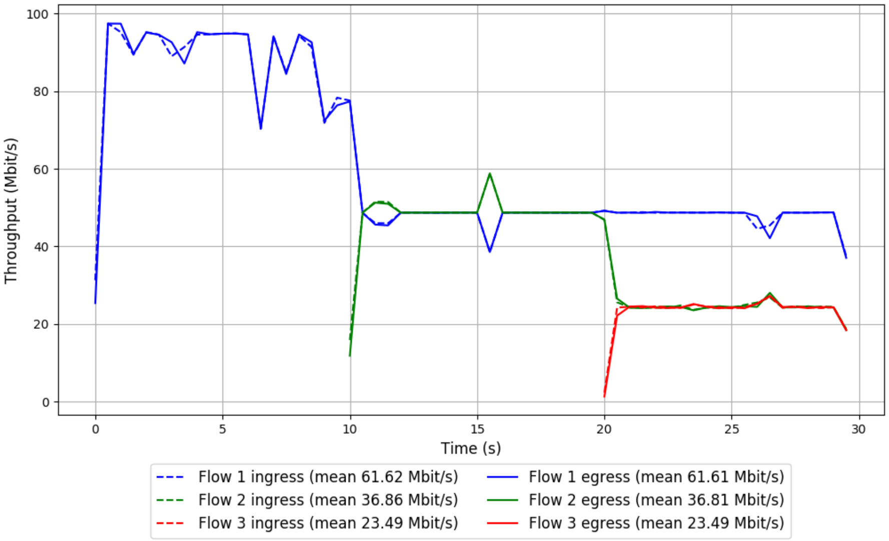


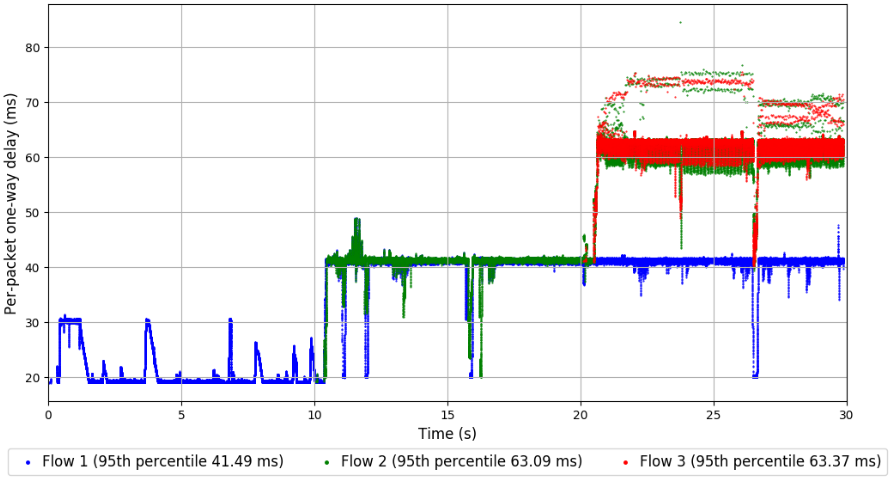
```
Run 8: Statistics of QUIC Cubic

Start at: 2018-04-24 19:42:32
End at: 2018-04-24 19:43:02
Local clock offset: -1.681 ms
Remote clock offset: -7.108 ms

# Below is generated by plot.py at 2018-04-24 23:56:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 62.946 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 41.489 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 36.81 Mbit/s
95th percentile per-packet one-way delay: 63.085 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 23.49 Mbit/s
95th percentile per-packet one-way delay: 63.369 ms
Loss rate: 0.68%
```

Run 8: Report of QUIC Cubic — Data Link



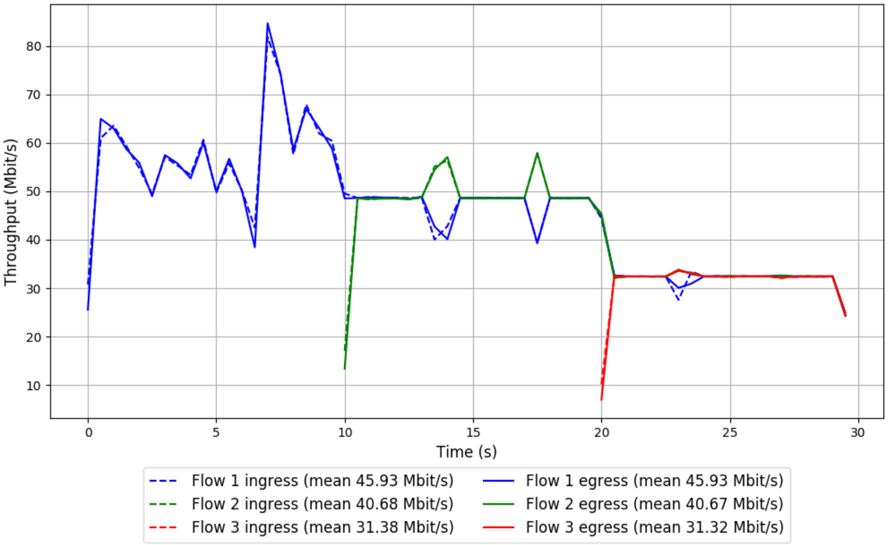


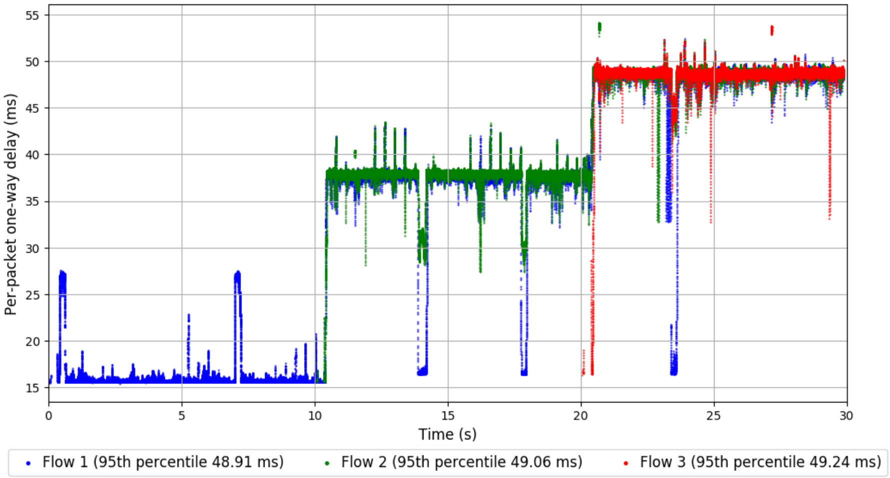
```
Run 9: Statistics of QUIC Cubic

Start at: 2018-04-24 20:03:06
End at: 2018-04-24 20:03:36
Local clock offset: -3.366 ms
Remote clock offset: -7.506 ms

# Below is generated by plot.py at 2018-04-24 23:56:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.28 Mbit/s
95th percentile per-packet one-way delay: 49.058 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 45.93 Mbit/s
95th percentile per-packet one-way delay: 48.907 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 49.061 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.32 Mbit/s
95th percentile per-packet one-way delay: 49.245 ms
Loss rate: 0.59%
```

Run 9: Report of QUIC Cubic — Data Link



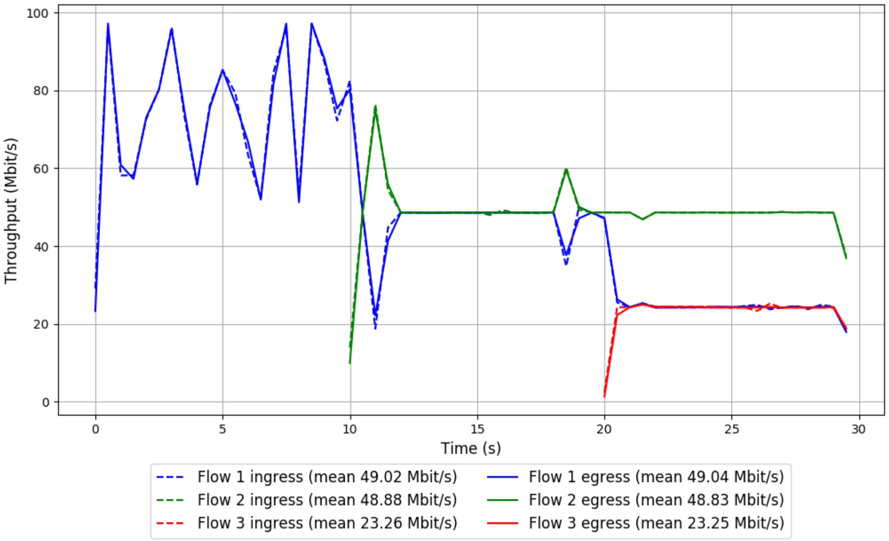


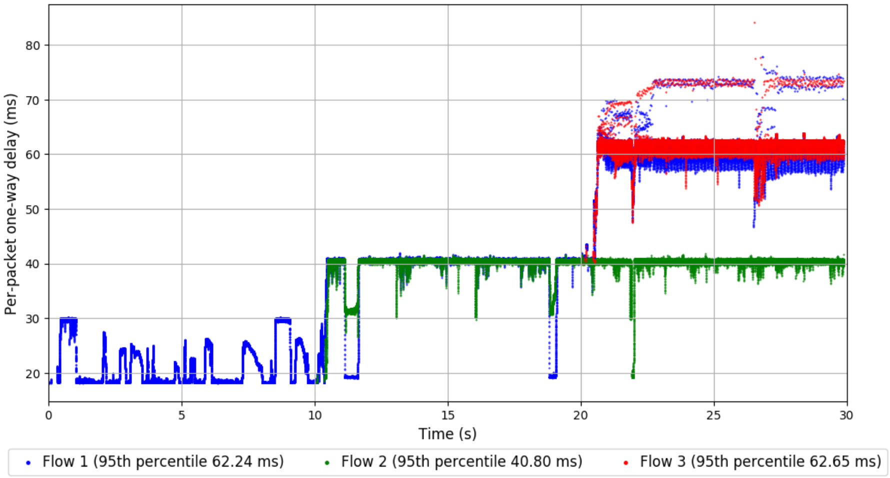
```
Run 10: Statistics of QUIC Cubic

Start at: 2018-04-24 20:23:19
End at: 2018-04-24 20:23:49
Local clock offset: -1.052 ms
Remote clock offset: -8.781 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: 62.320 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 62.245 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 40.797 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 23.25 Mbit/s
95th percentile per-packet one-way delay: 62.654 ms
Loss rate: 0.70%
```

Run 10: Report of QUIC Cubic — Data Link



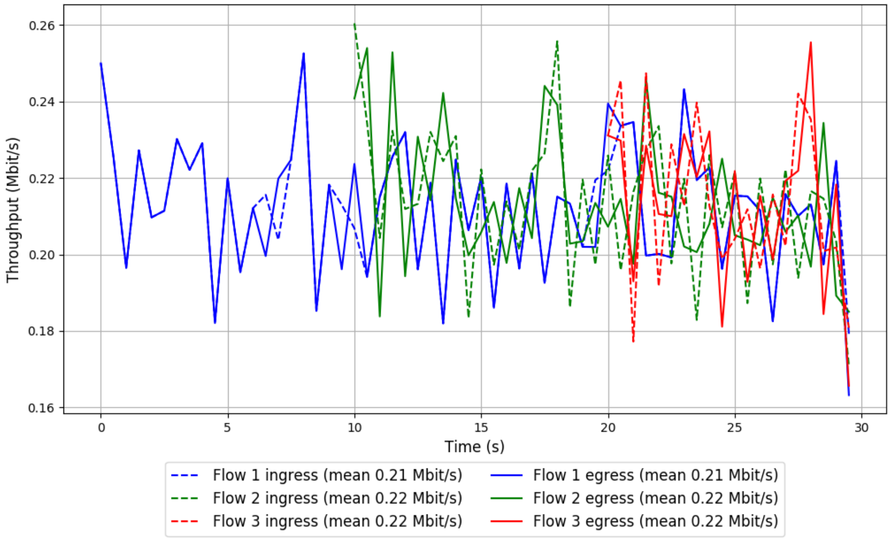


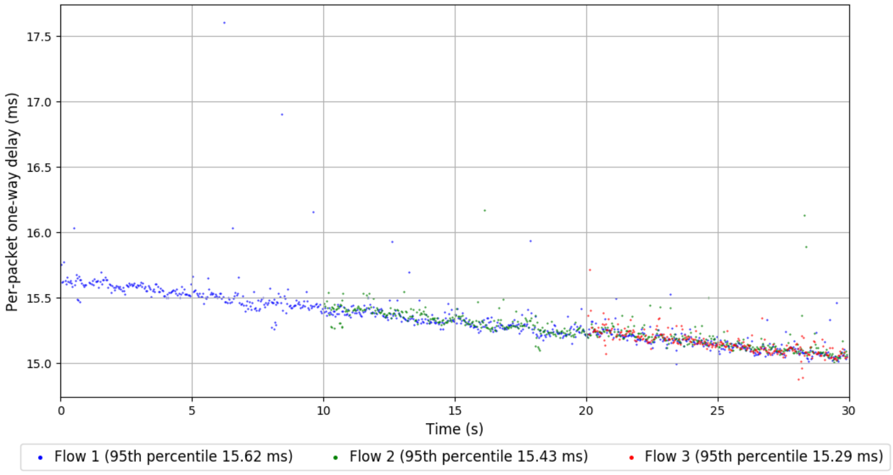
```
Run 1: Statistics of SCReAM

Start at: 2018-04-24 17:03:54
End at: 2018-04-24 17:04:24
Local clock offset: -6.008 ms
Remote clock offset: -8.222 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.589 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.618 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.432 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.287 ms
Loss rate: 0.35%
```

Run 1: Report of SCReAM — Data Link



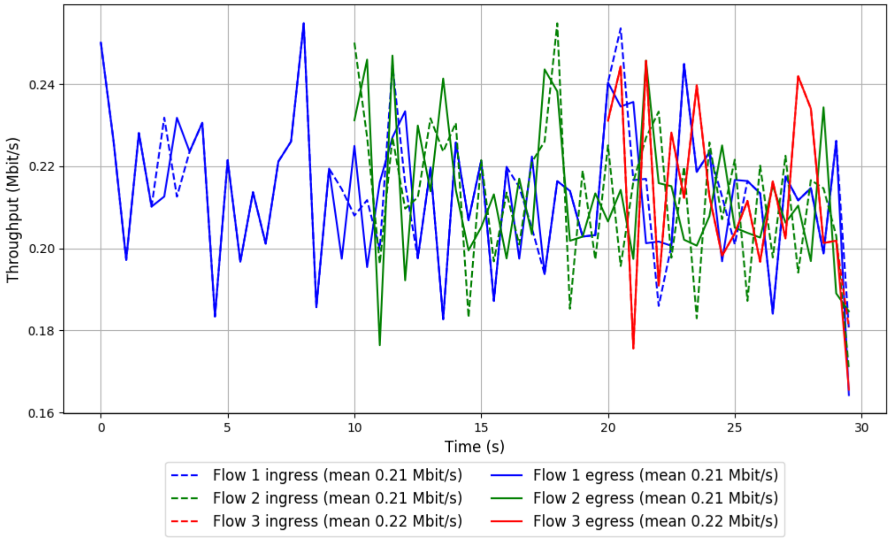


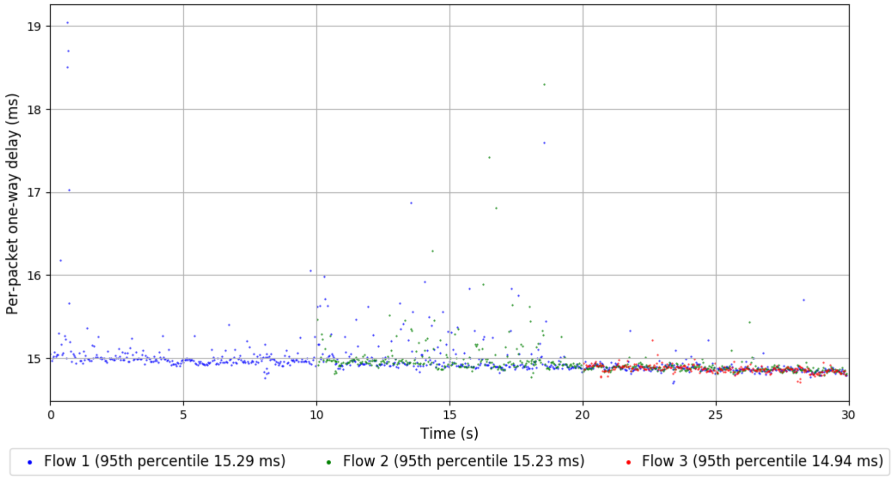
```
Run 2: Statistics of SCReAM

Start at: 2018-04-24 17:27:19
End at: 2018-04-24 17:27:49
Local clock offset: 2.858 ms
Remote clock offset: -11.742 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.229 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.292 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.229 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 14.941 ms
Loss rate: 0.35%
```

Run 2: Report of SCReAM — Data Link



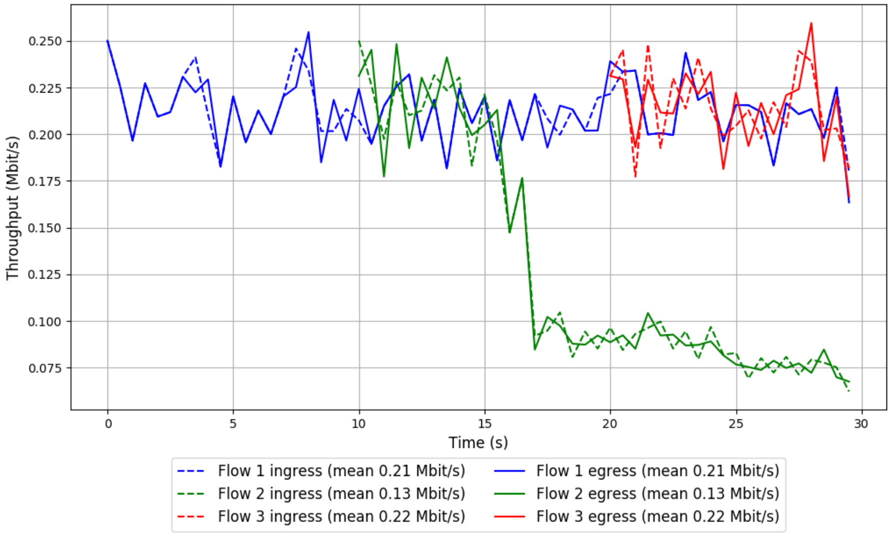


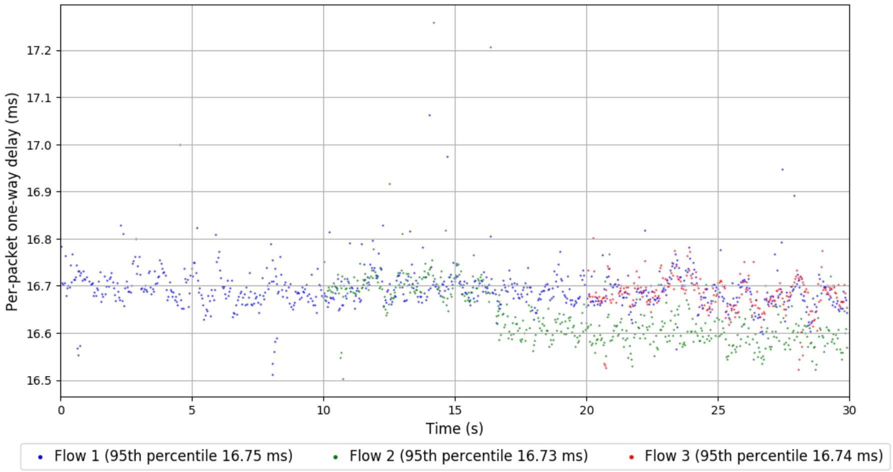
```
Run 3: Statistics of SCReAM

Start at: 2018-04-24 17:48:38
End at: 2018-04-24 17:49:08
Local clock offset: 7.954 ms
Remote clock offset: -8.373 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 16.745 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.754 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 16.727 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.738 ms
Loss rate: 0.35%
```

Run 3: Report of SCReAM — Data Link



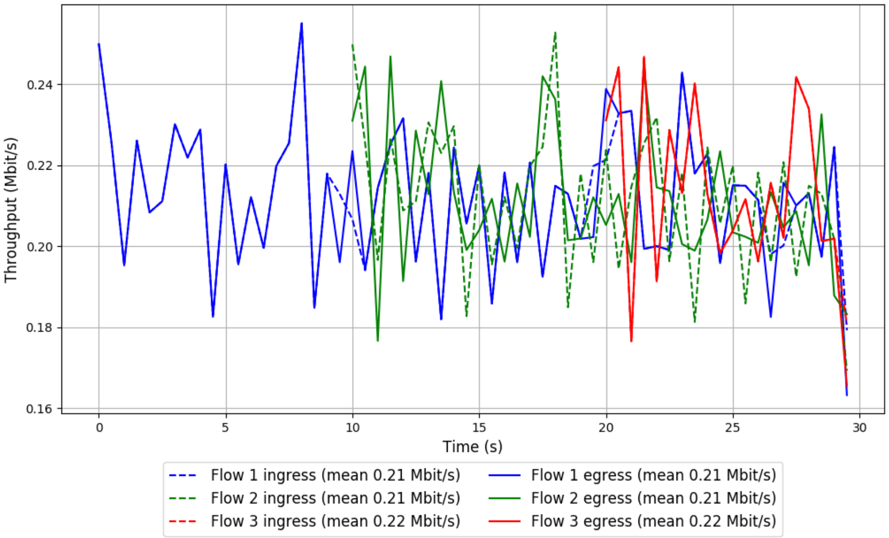


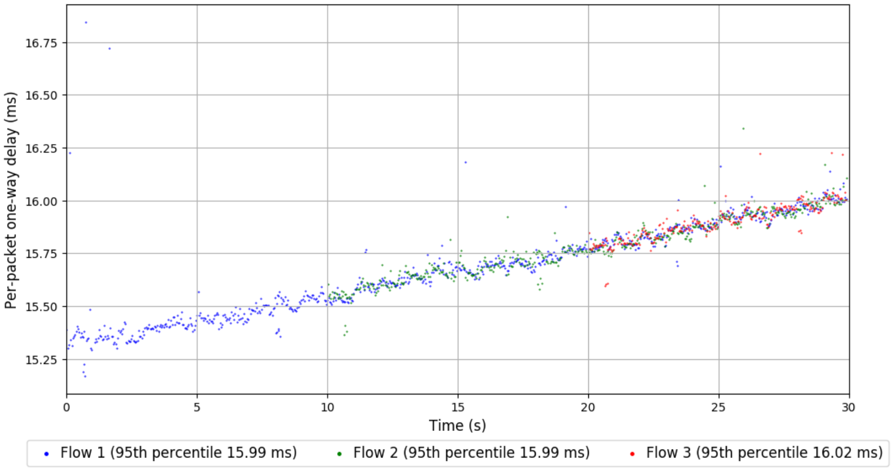
```
Run 4: Statistics of SCReAM

Start at: 2018-04-24 18:10:08
End at: 2018-04-24 18:10:38
Local clock offset: 7.876 ms
Remote clock offset: -6.584 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 16.003 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.990 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.991 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.019 ms
Loss rate: 0.35%
```

Run 4: Report of SCReAM — Data Link



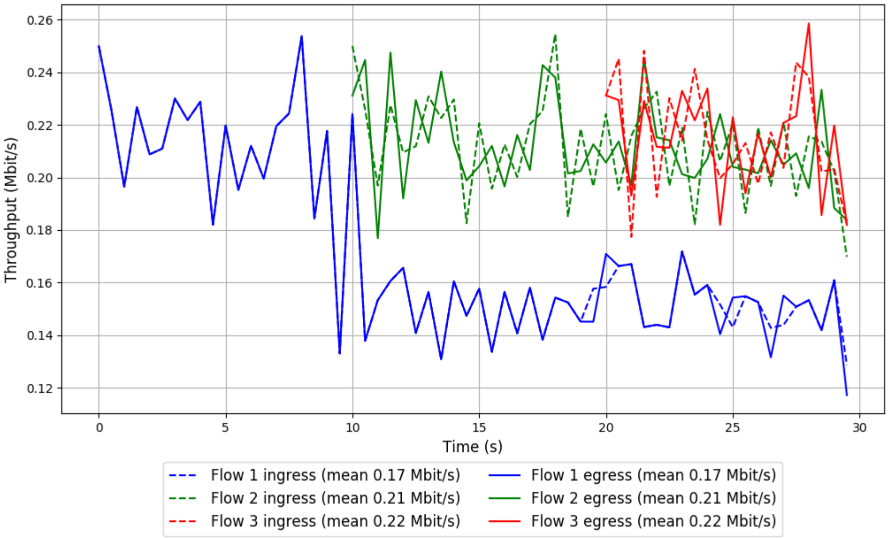


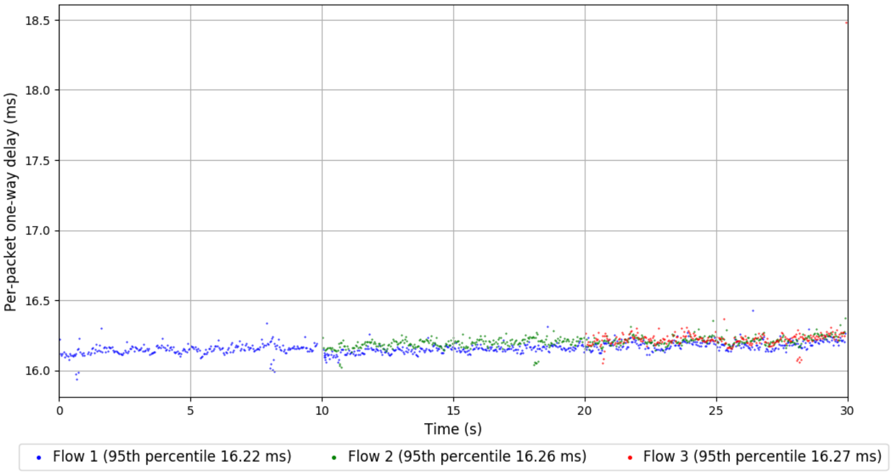
```
Run 5: Statistics of SCReAM

Start at: 2018-04-24 18:30:36
End at: 2018-04-24 18:31:06
Local clock offset: -5.19 ms
Remote clock offset: -7.838 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 16.257 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 16.220 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.258 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.275 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link



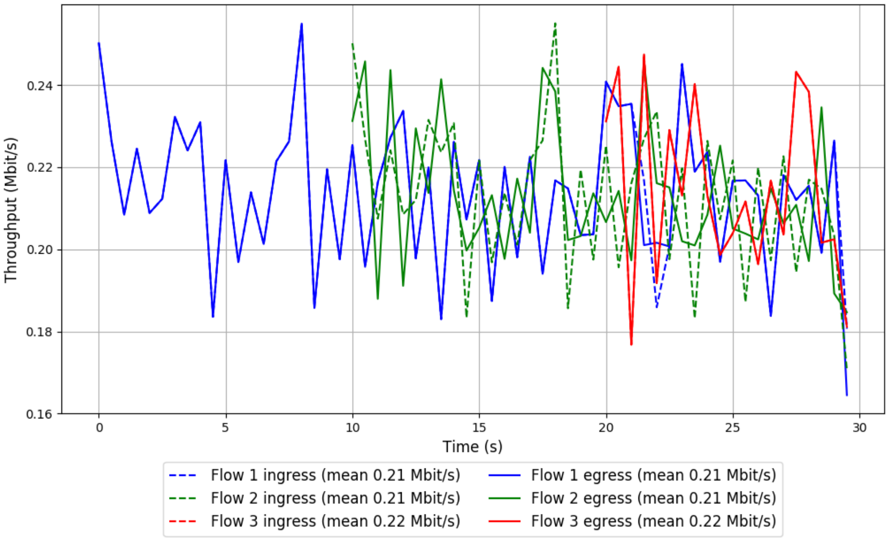


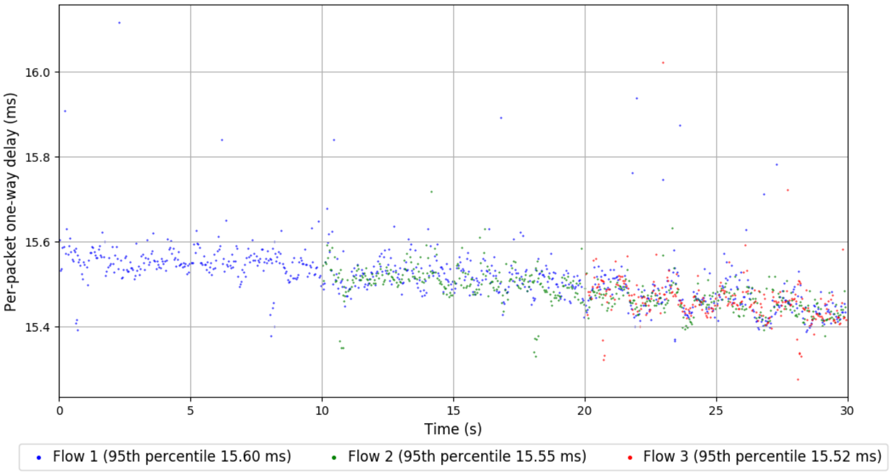
```
Run 6: Statistics of SCReAM

Start at: 2018-04-24 18:50:55
End at: 2018-04-24 18:51:25
Local clock offset: -4.924 ms
Remote clock offset: -9.315 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.583 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.600 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.551 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.524 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link



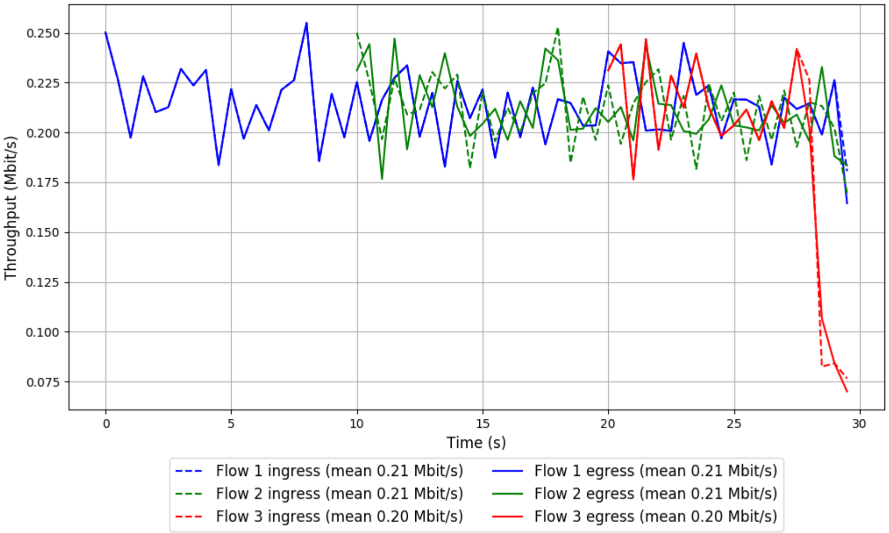


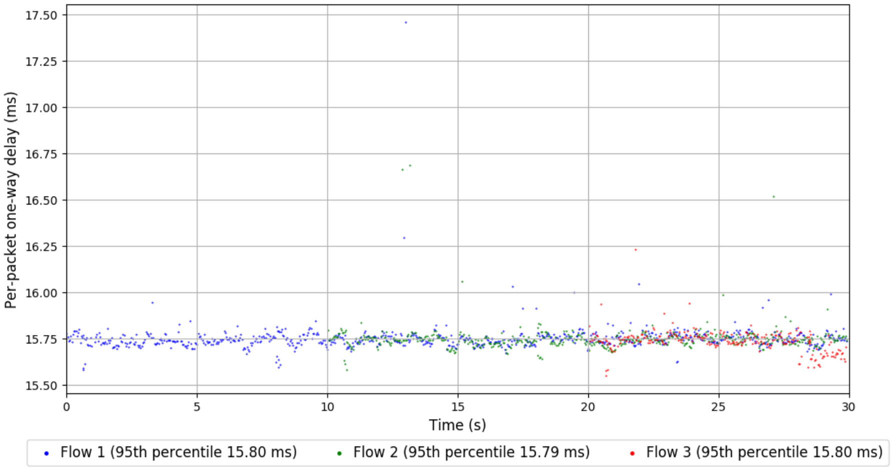
```
Run 7: Statistics of SCReAM

Start at: 2018-04-24 19:11:41
End at: 2018-04-24 19:12:11
Local clock offset: -3.934 ms
Remote clock offset: -9.692 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 15.798 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.801 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.792 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 15.796 ms
Loss rate: 0.17%
```

Run 7: Report of SCReAM — Data Link



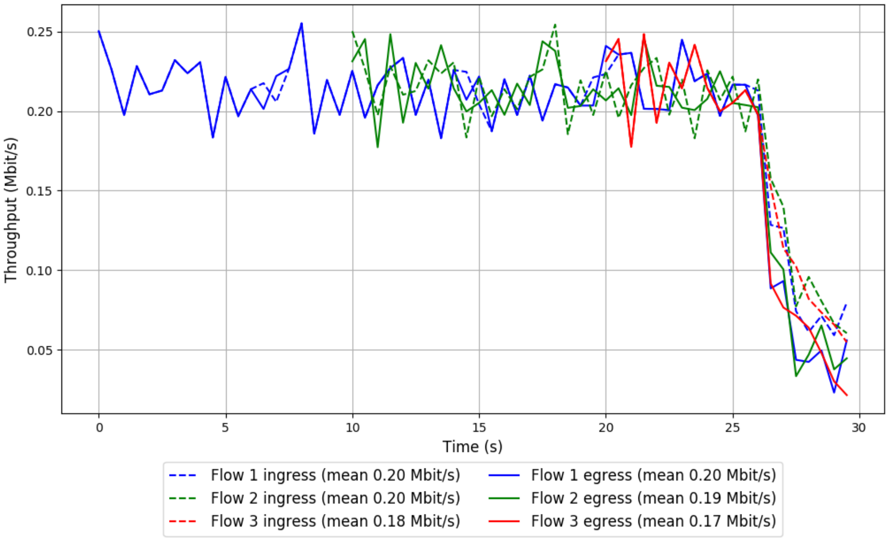


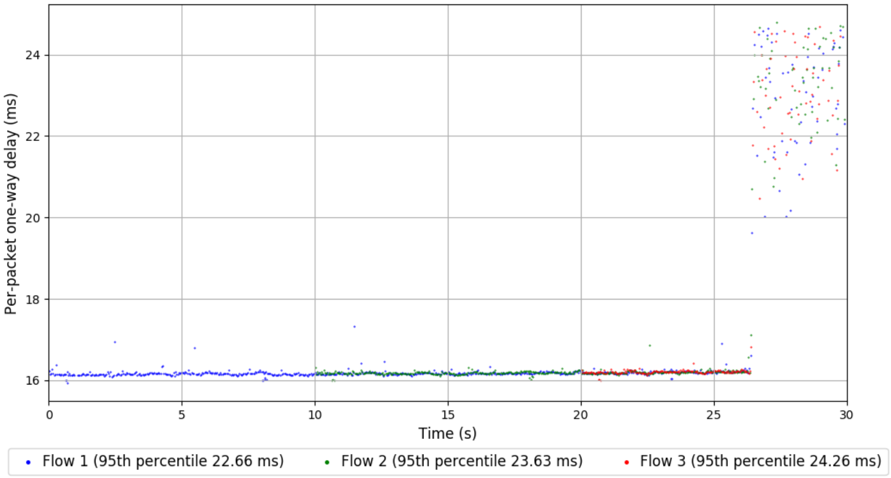
```
Run 8: Statistics of SCReAM

Start at: 2018-04-24 19:31:39
End at: 2018-04-24 19:32:09
Local clock offset: -4.949 ms
Remote clock offset: -8.251 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 23.550 ms
Loss rate: 3.09%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 22.663 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 23.626 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 24.260 ms
Loss rate: 6.99%
```

Run 8: Report of SCReAM — Data Link



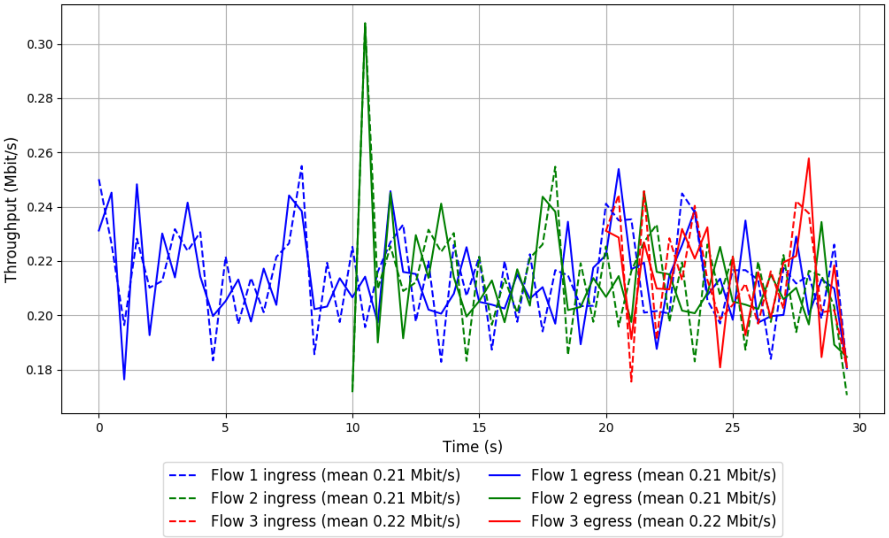


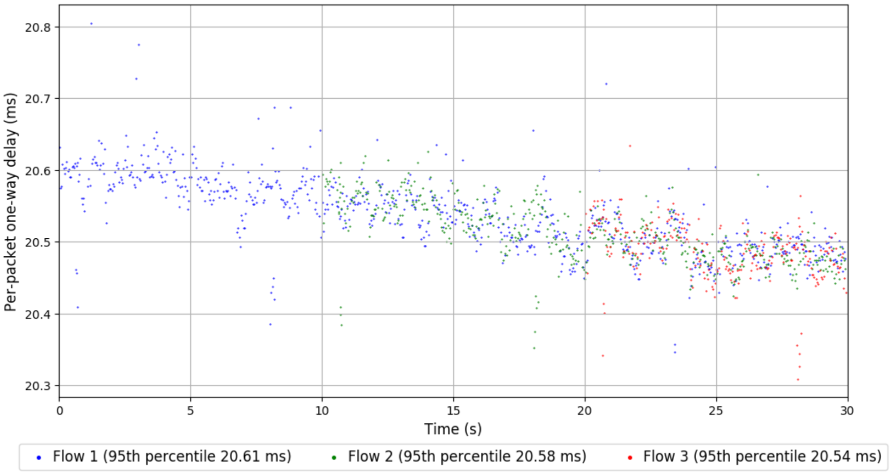
```
Run 9: Statistics of SCReAM

Start at: 2018-04-24 19:52:11
End at: 2018-04-24 19:52:41
Local clock offset: -2.845 ms
Remote clock offset: -10.153 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.604 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.615 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.581 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.540 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link



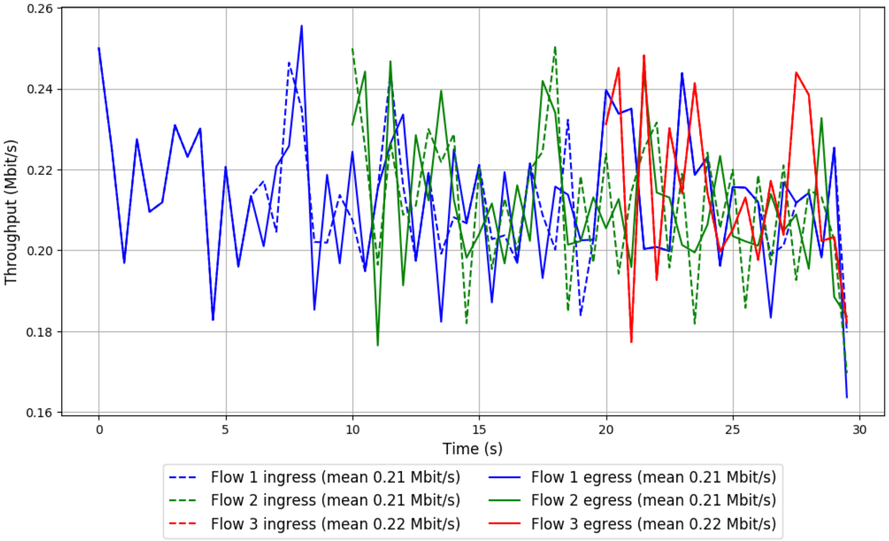


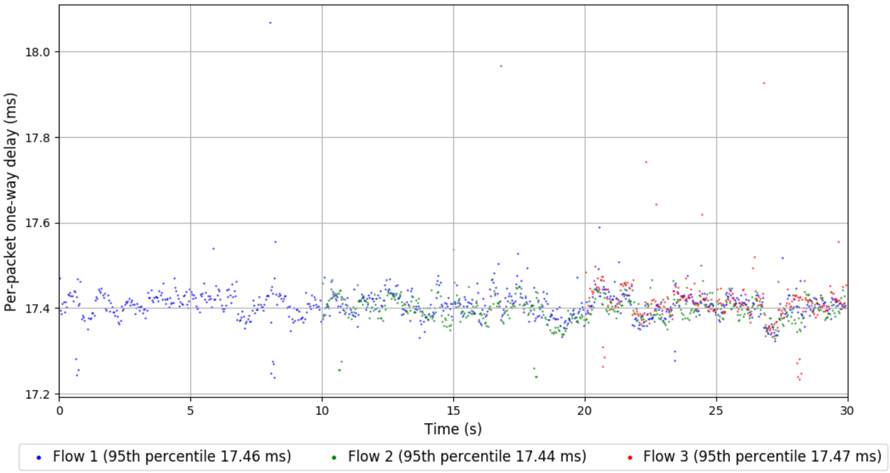
```
Run 10: Statistics of SCReAM

Start at: 2018-04-24 20:12:47
End at: 2018-04-24 20:13:17
Local clock offset: -2.725 ms
Remote clock offset: -9.252 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 17.456 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.457 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.444 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.467 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link



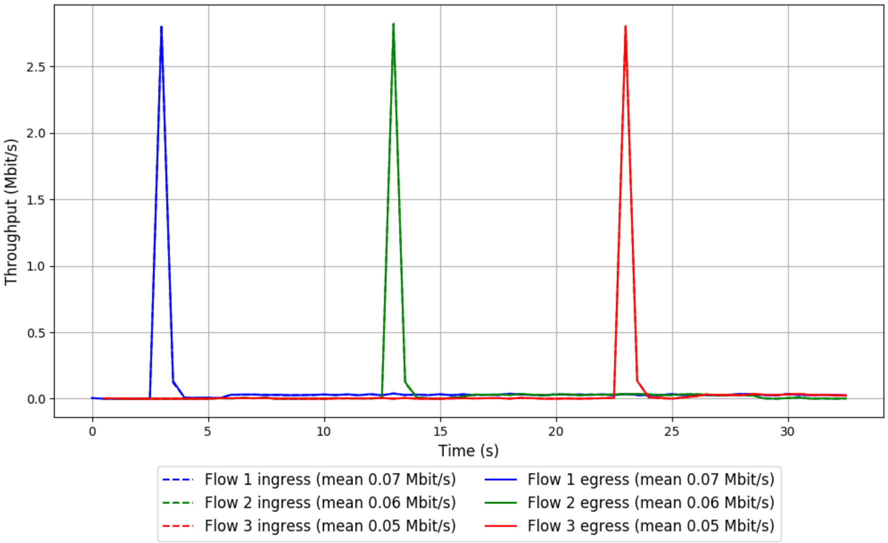


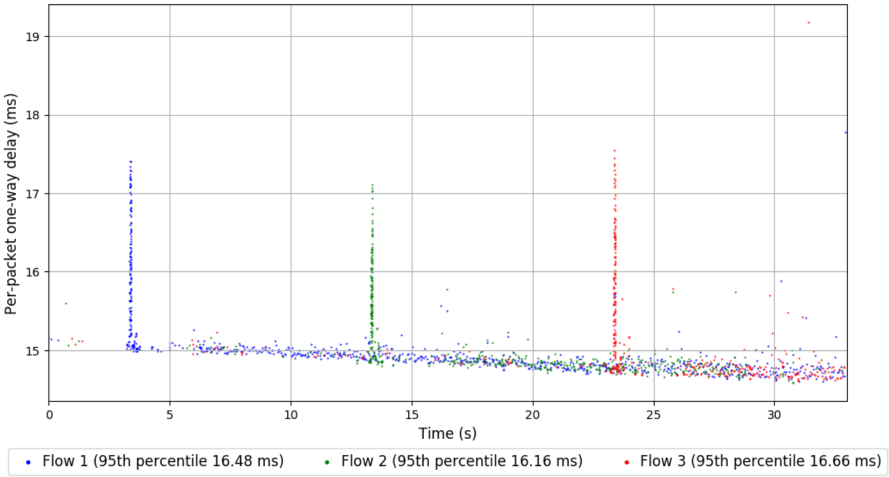
```
Run 1: Statistics of WebRTC media

Start at: 2018-04-24 17:07:41
End at: 2018-04-24 17:08:11
Local clock offset: -3.66 ms
Remote clock offset: -9.31 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 16.451 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 16.484 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 16.165 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 16.665 ms
Loss rate: 0.08%
```

Run 1: Report of WebRTC media — Data Link



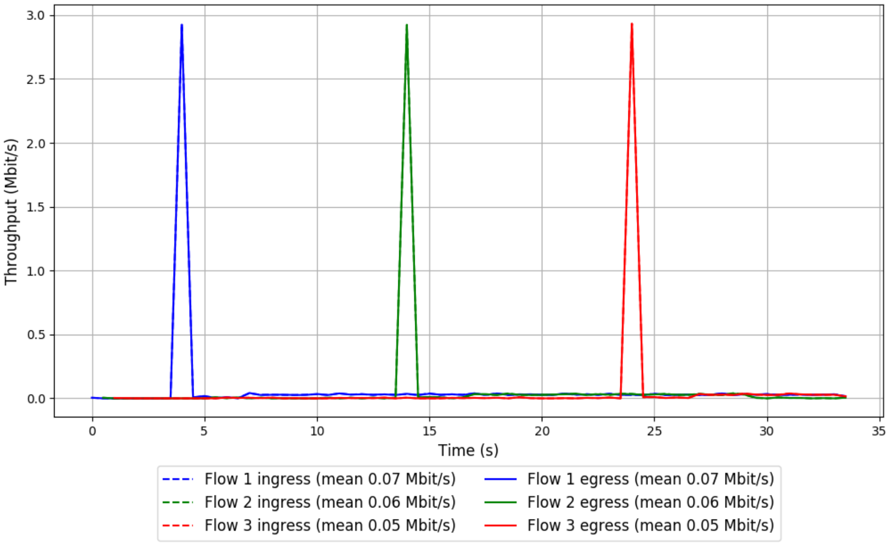


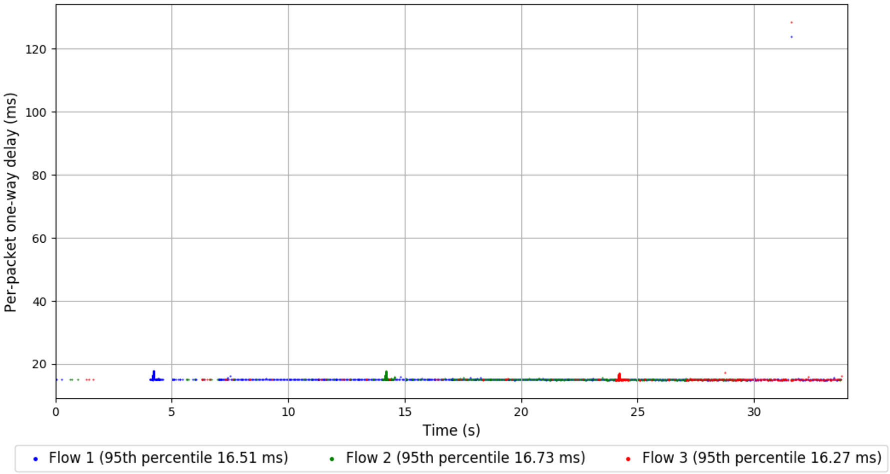
```
Run 2: Statistics of WebRTC media

Start at: 2018-04-24 17:31:02
End at: 2018-04-24 17:31:32
Local clock offset: 4.928 ms
Remote clock offset: -10.932 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 16.480 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 16.514 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 16.733 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 16.271 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link



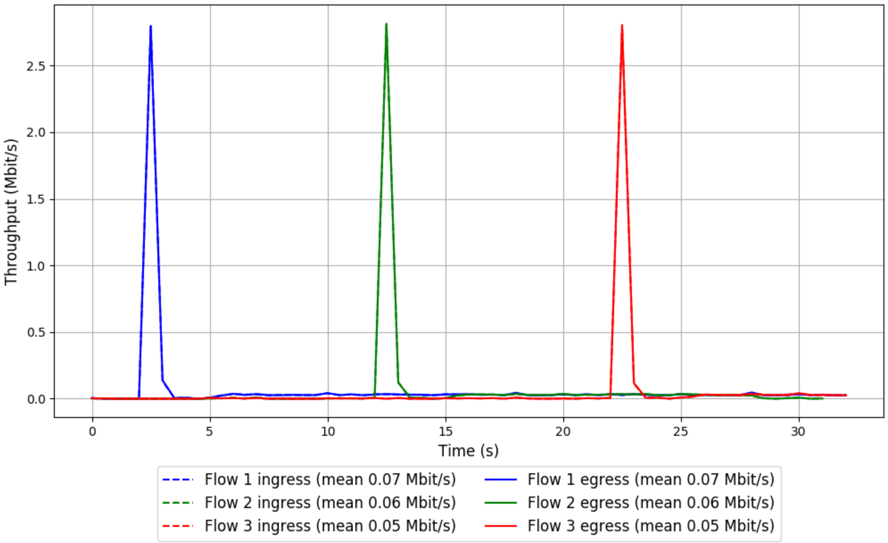


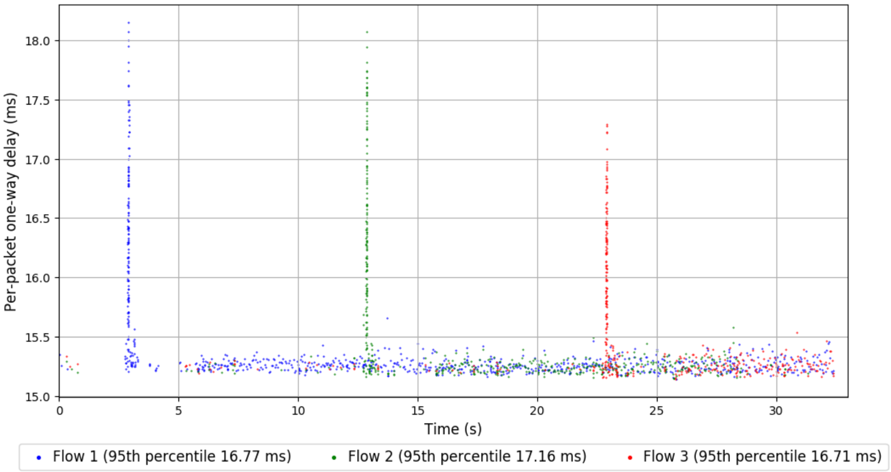
```
Run 3: Statistics of WebRTC media

Start at: 2018-04-24 17:52:08
End at: 2018-04-24 17:52:38
Local clock offset: 7.793 ms
Remote clock offset: -7.472 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 16.806 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 16.771 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 17.161 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 16.715 ms
Loss rate: 0.08%
```

Run 3: Report of WebRTC media — Data Link



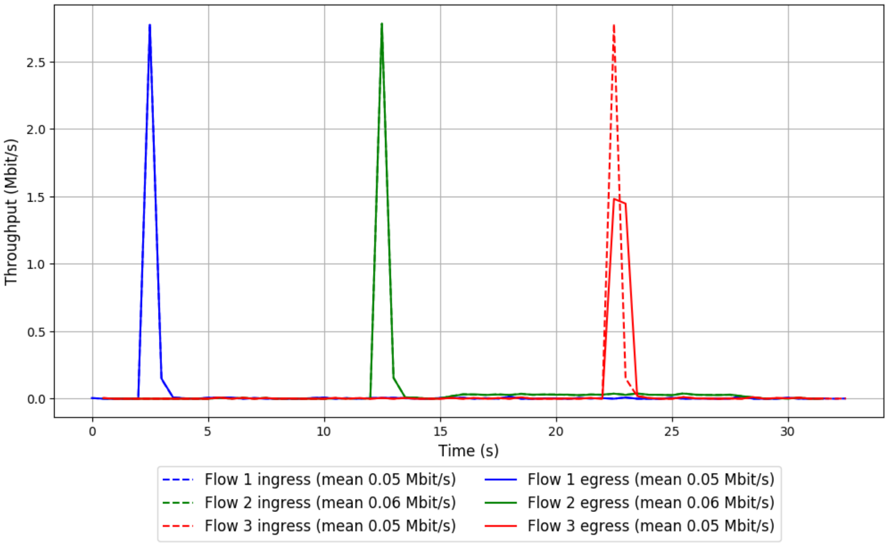


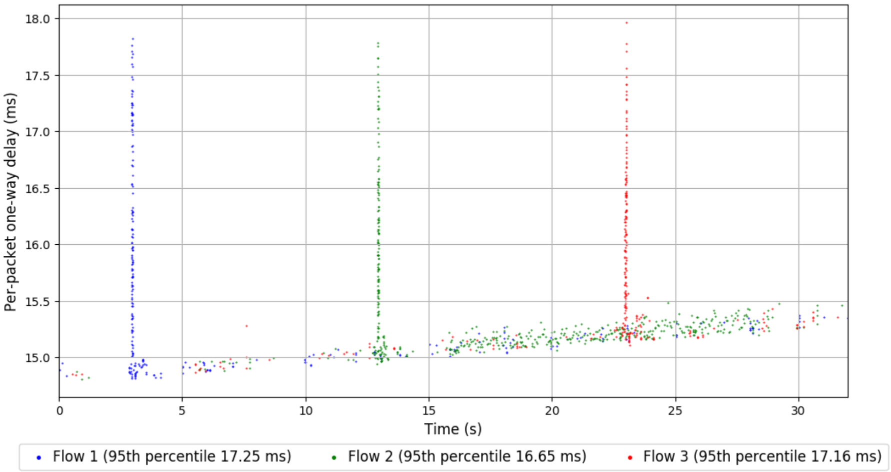
```
Run 4: Statistics of WebRTC media

Start at: 2018-04-24 18:13:41
End at: 2018-04-24 18:14:11
Local clock offset: 2.051 ms
Remote clock offset: -7.8 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 17.146 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 17.253 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 16.650 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 17.163 ms
Loss rate: 0.06%
```

Run 4: Report of WebRTC media — Data Link



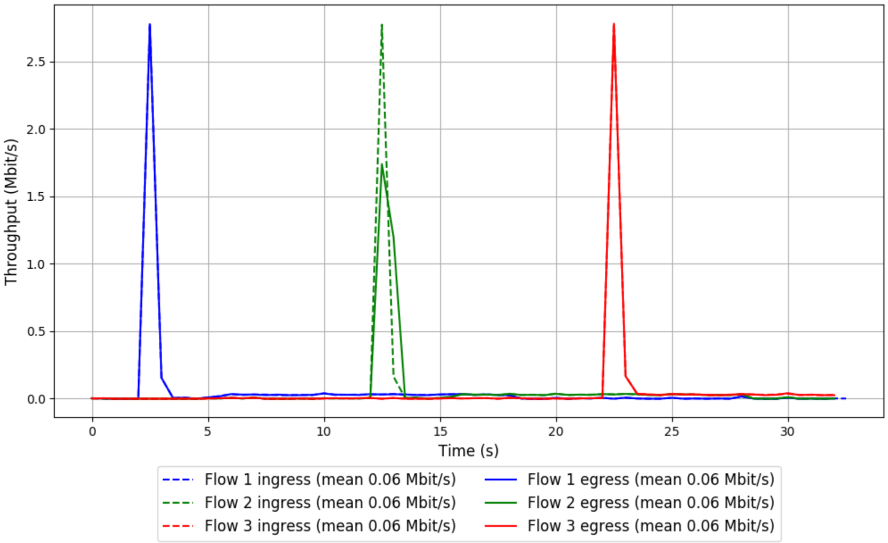


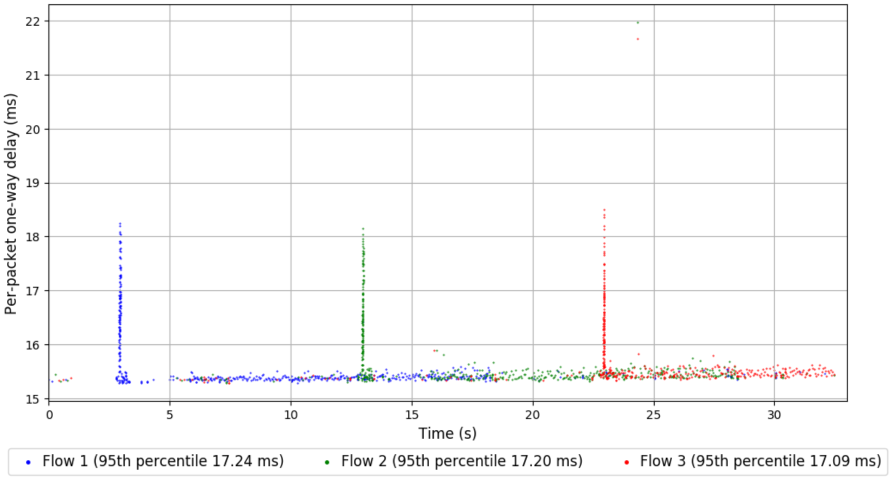
```
Run 5: Statistics of WebRTC media

Start at: 2018-04-24 18:34:07
End at: 2018-04-24 18:34:37
Local clock offset: -6.016 ms
Remote clock offset: -7.294 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 17.195 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 17.238 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 17.195 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 17.095 ms
Loss rate: 0.07%
```

Run 5: Report of WebRTC media — Data Link



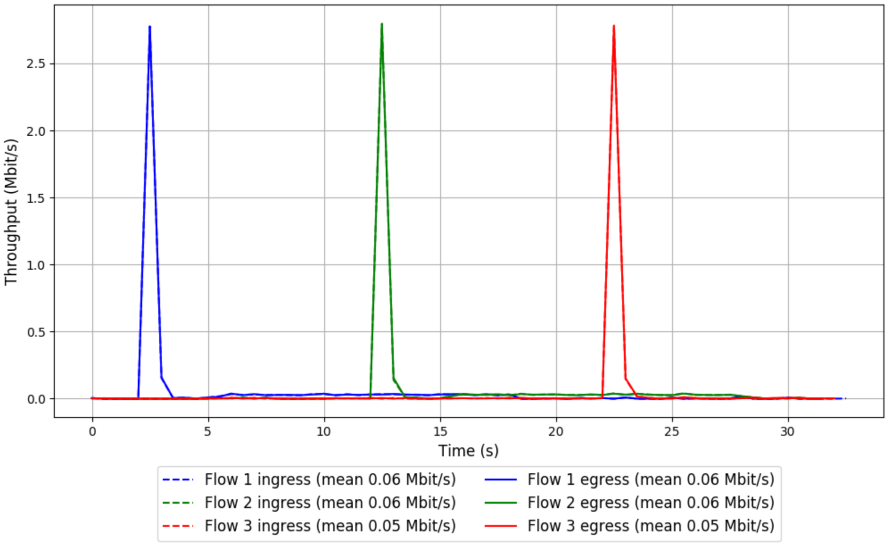


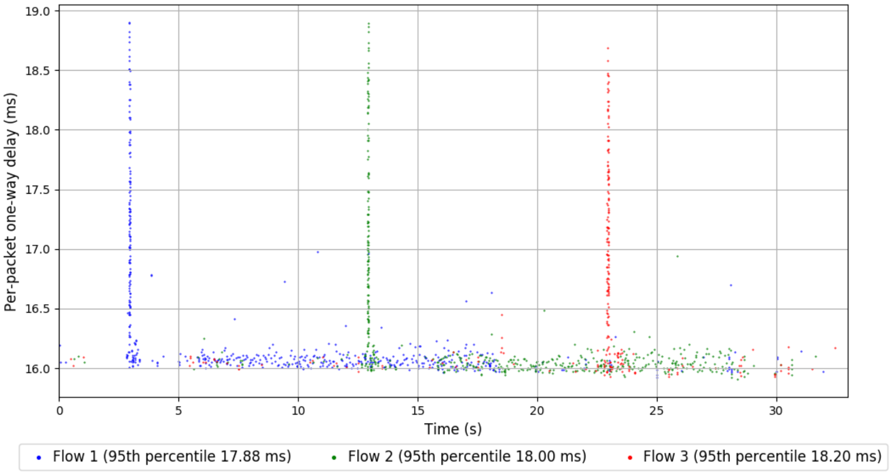
```
Run 6: Statistics of WebRTC media

Start at: 2018-04-24 18:54:30
End at: 2018-04-24 18:55:00
Local clock offset: -4.095 ms
Remote clock offset: -9.851 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 18.055 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 17.878 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 18.005 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.205 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link



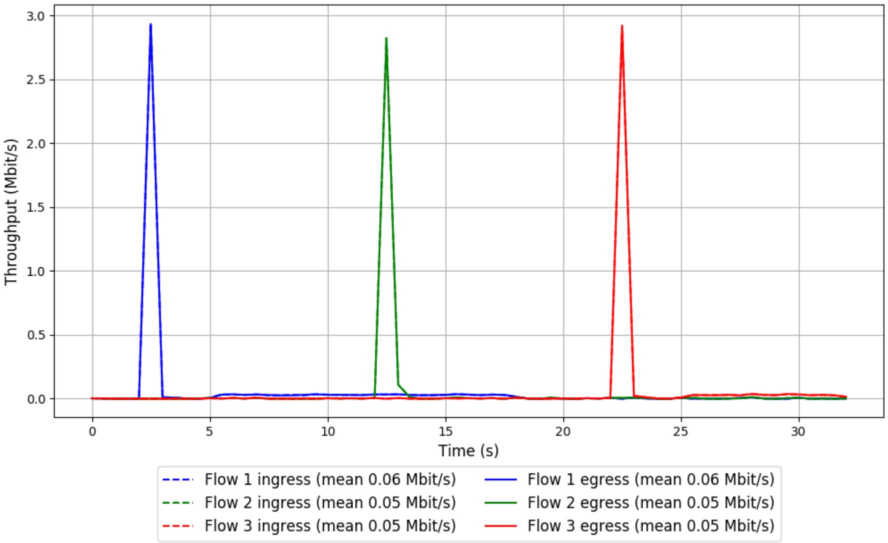


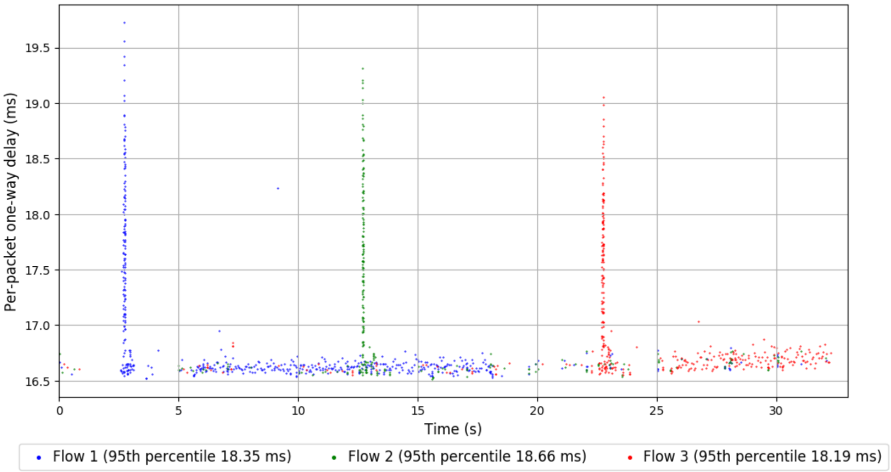
```
Run 7: Statistics of WebRTC media

Start at: 2018-04-24 19:15:10
End at: 2018-04-24 19:15:40
Local clock offset: -3.706 ms
Remote clock offset: -10.373 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 18.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 18.353 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.660 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.187 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link



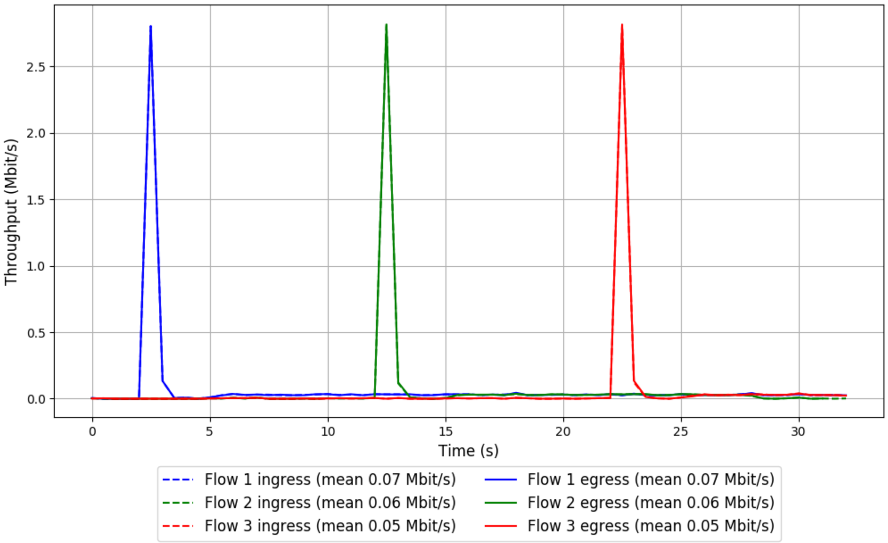


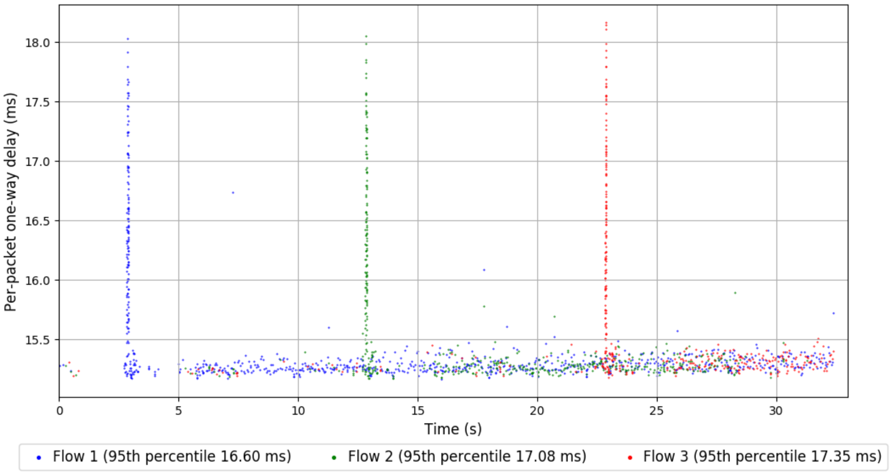
```
Run 8: Statistics of WebRTC media

Start at: 2018-04-24 19:35:17
End at: 2018-04-24 19:35:47
Local clock offset: -5.067 ms
Remote clock offset: -7.253 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 17.026 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 16.603 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 17.081 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 17.346 ms
Loss rate: 0.05%
```

Run 8: Report of WebRTC media — Data Link



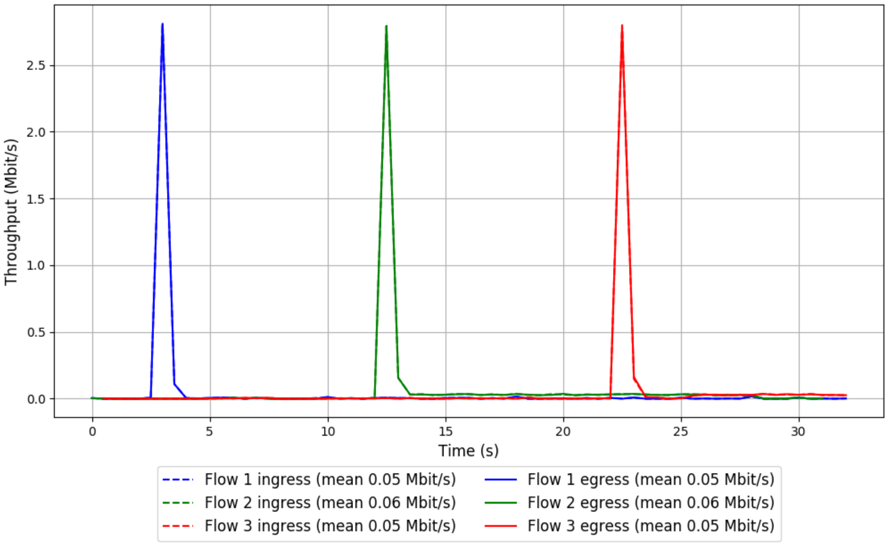


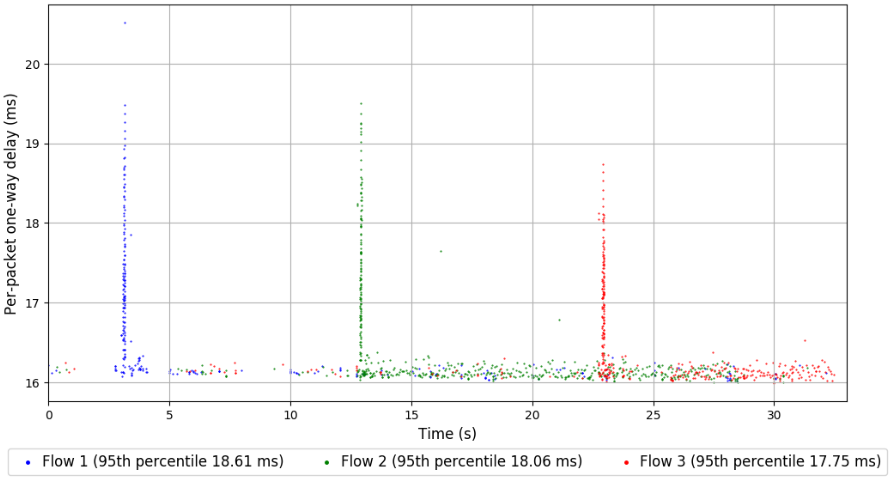
```
Run 9: Statistics of WebRTC media

Start at: 2018-04-24 19:55:40
End at: 2018-04-24 19:56:10
Local clock offset: -4.323 ms
Remote clock offset: -8.2 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 18.114 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.607 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 18.062 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 17.746 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



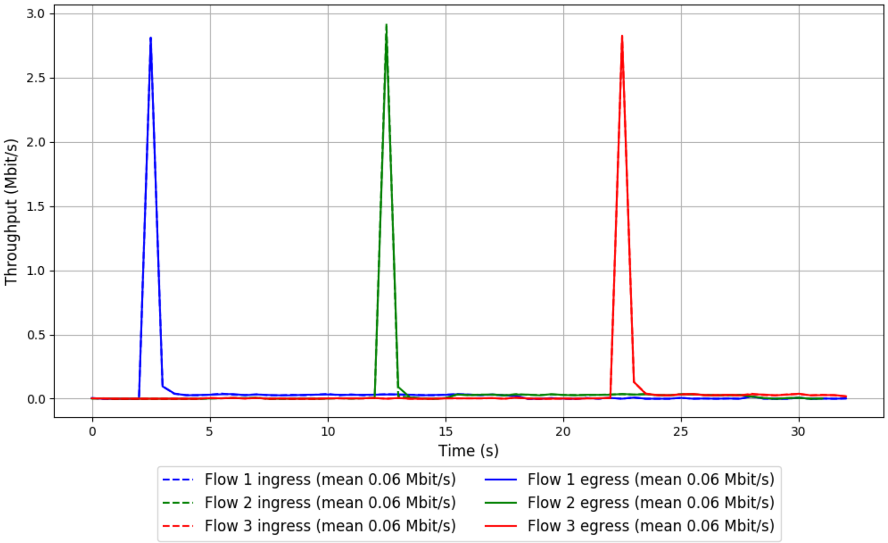


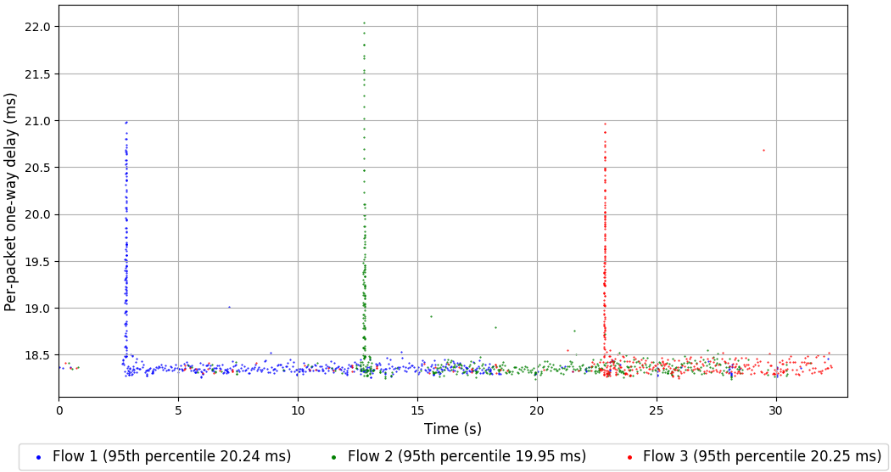
```
Run 10: Statistics of WebRTC media

Start at: 2018-04-24 20:16:14
End at: 2018-04-24 20:16:44
Local clock offset: -0.73 ms
Remote clock offset: -8.474 ms

# Below is generated by plot.py at 2018-04-24 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 20.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 20.238 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.952 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 20.246 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link



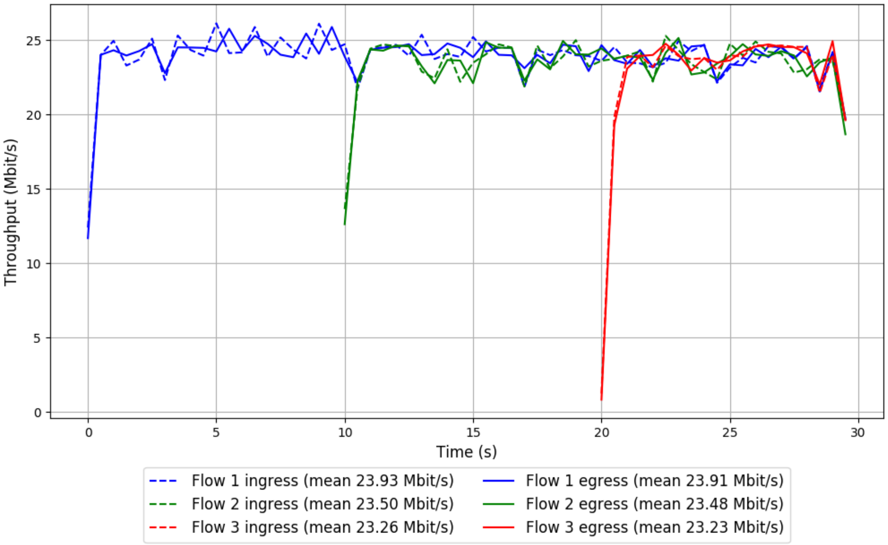


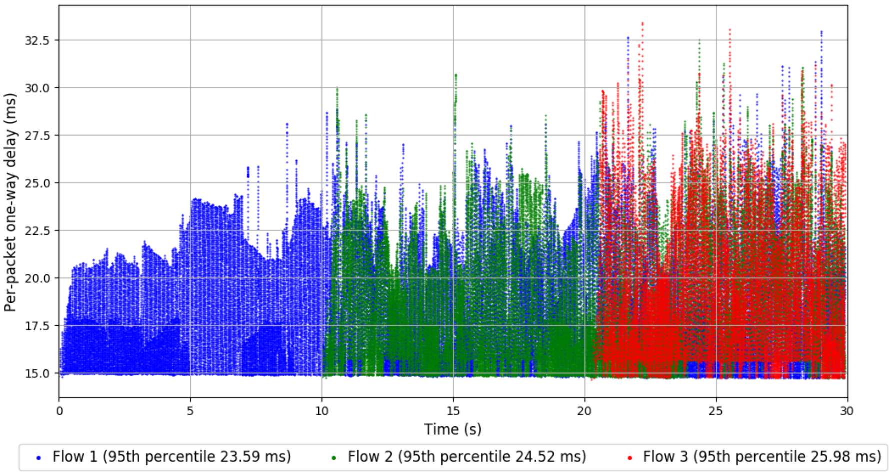
```
Run 1: Statistics of Sprout

Start at: 2018-04-24 17:18:33
End at: 2018-04-24 17:19:03
Local clock offset: 1.375 ms
Remote clock offset: -10.054 ms

# Below is generated by plot.py at 2018-04-24 23:56:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 24.441 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 23.585 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 23.48 Mbit/s
95th percentile per-packet one-way delay: 24.519 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 25.984 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link



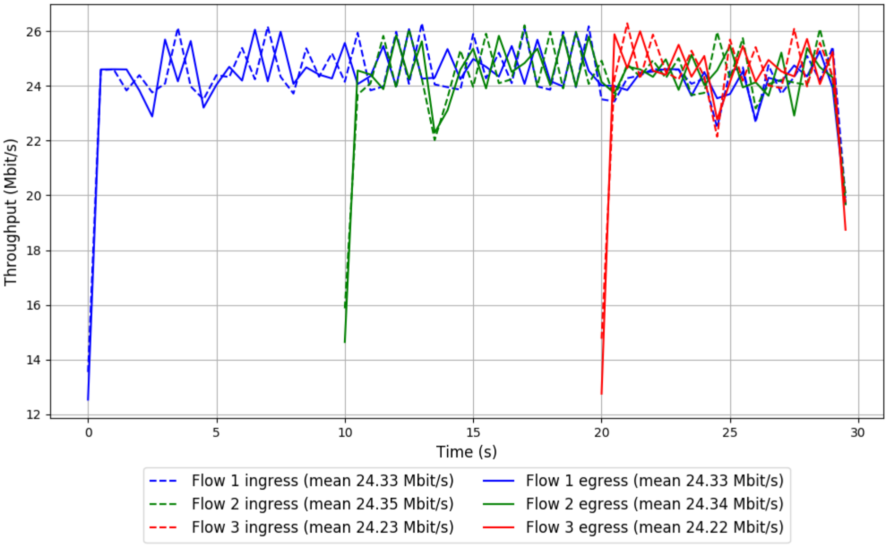


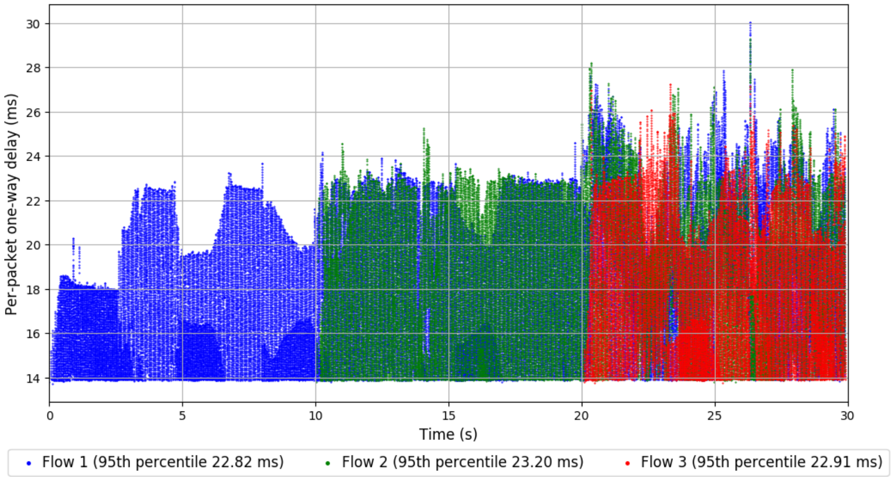
```
Run 2: Statistics of Sprout

Start at: 2018-04-24 17:41:16
End at: 2018-04-24 17:41:46
Local clock offset: 4.115 ms
Remote clock offset: -9.397 ms

# Below is generated by plot.py at 2018-04-24 23:56:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 22.960 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 22.816 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 23.200 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 22.913 ms
Loss rate: 0.32%
```

Run 2: Report of Sprout — Data Link



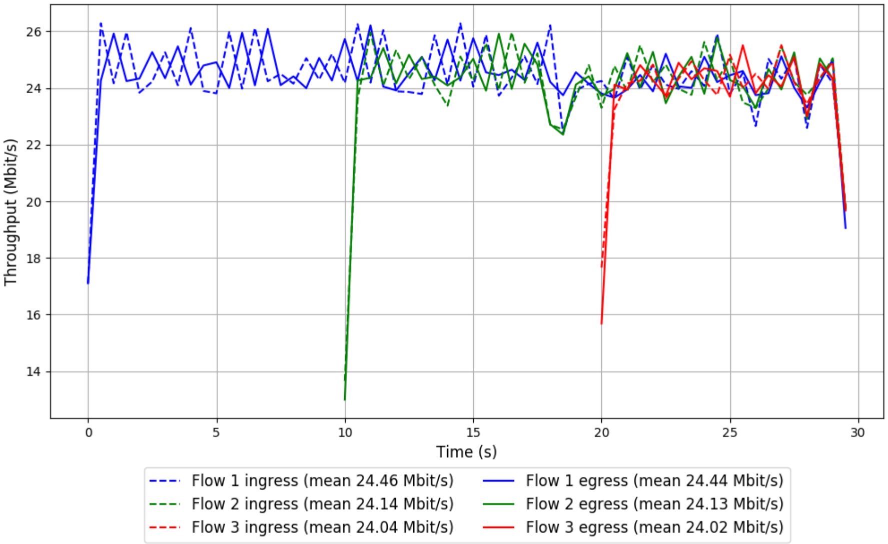


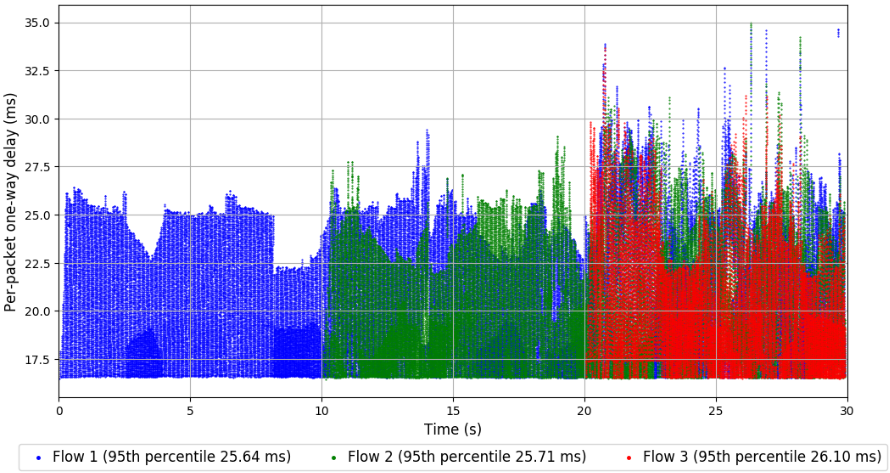
```
Run 3: Statistics of Sprout

Start at: 2018-04-24 18:02:43
End at: 2018-04-24 18:03:13
Local clock offset: 10.23 ms
Remote clock offset: -7.399 ms

# Below is generated by plot.py at 2018-04-24 23:56:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.41 Mbit/s
95th percentile per-packet one-way delay: 25.724 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 25.637 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 25.714 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 26.104 ms
Loss rate: 0.29%
```

Run 3: Report of Sprout — Data Link



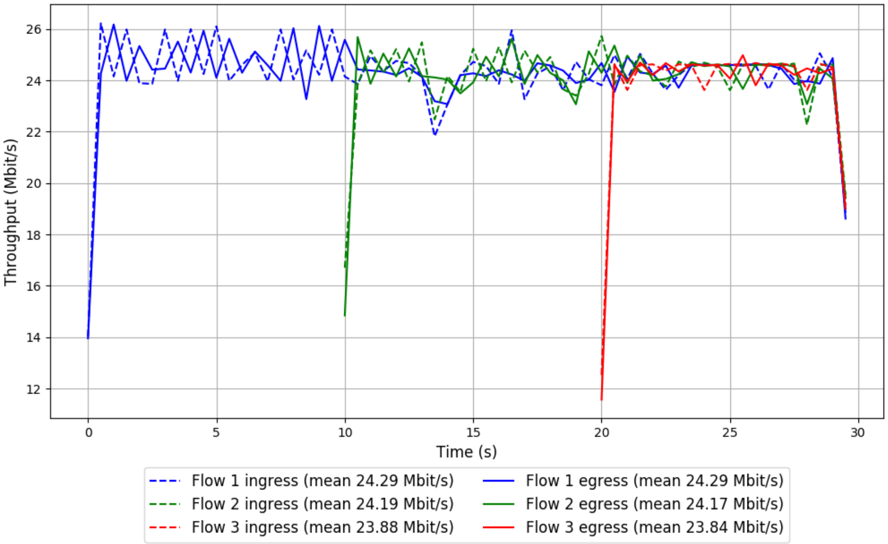


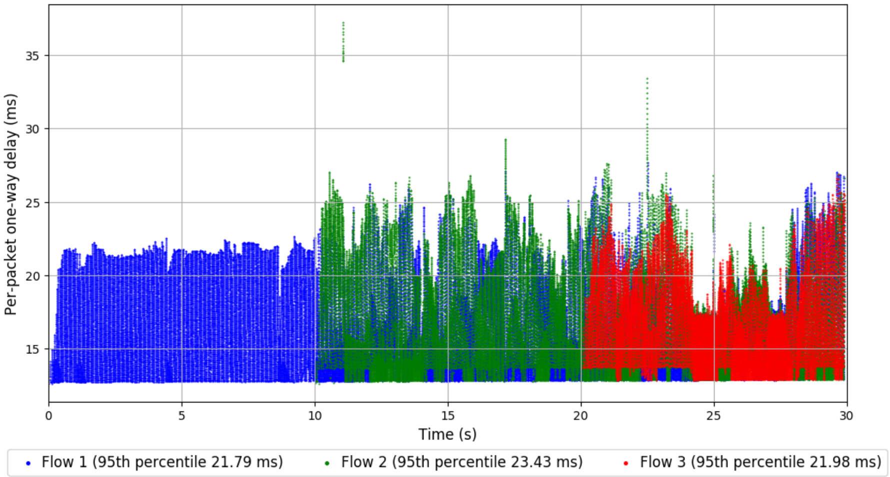
```
Run 4: Statistics of Sprout

Start at: 2018-04-24 18:23:22
End at: 2018-04-24 18:23:52
Local clock offset: -5.015 ms
Remote clock offset: -6.433 ms

# Below is generated by plot.py at 2018-04-24 23:56:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.22 Mbit/s
95th percentile per-packet one-way delay: 22.450 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 21.794 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 23.432 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 23.84 Mbit/s
95th percentile per-packet one-way delay: 21.977 ms
Loss rate: 0.23%
```

Run 4: Report of Sprout — Data Link



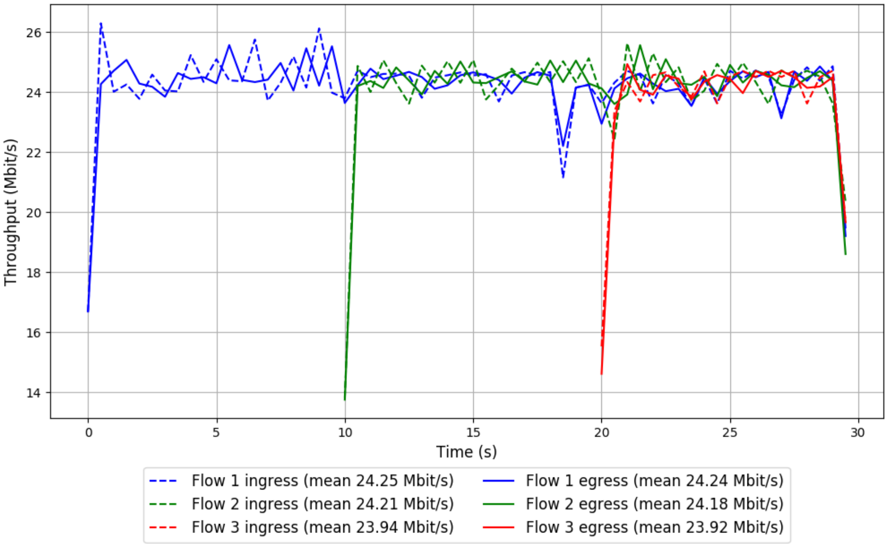


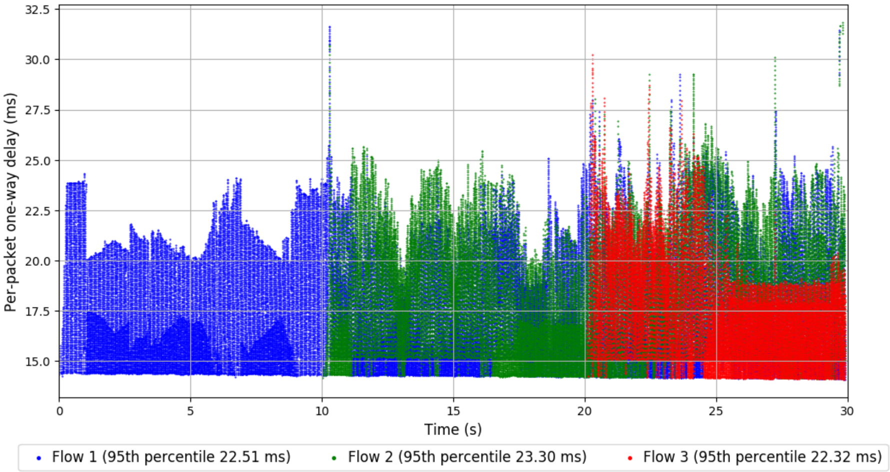
```
Run 5: Statistics of Sprout

Start at: 2018-04-24 18:43:41
End at: 2018-04-24 18:44:11
Local clock offset: -7.266 ms
Remote clock offset: -7.501 ms

# Below is generated by plot.py at 2018-04-24 23:57:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.21 Mbit/s
95th percentile per-packet one-way delay: 22.800 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 22.512 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 23.297 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 22.322 ms
Loss rate: 0.23%
```

Run 5: Report of Sprout — Data Link



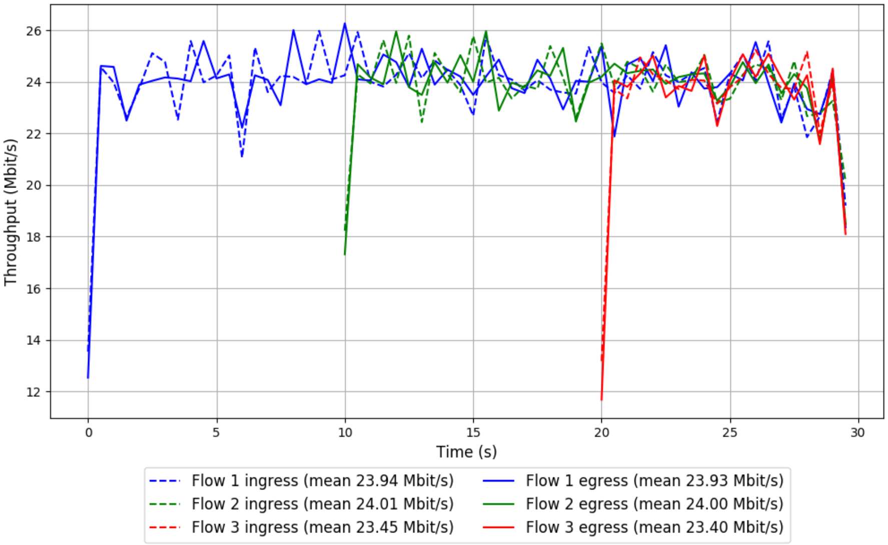


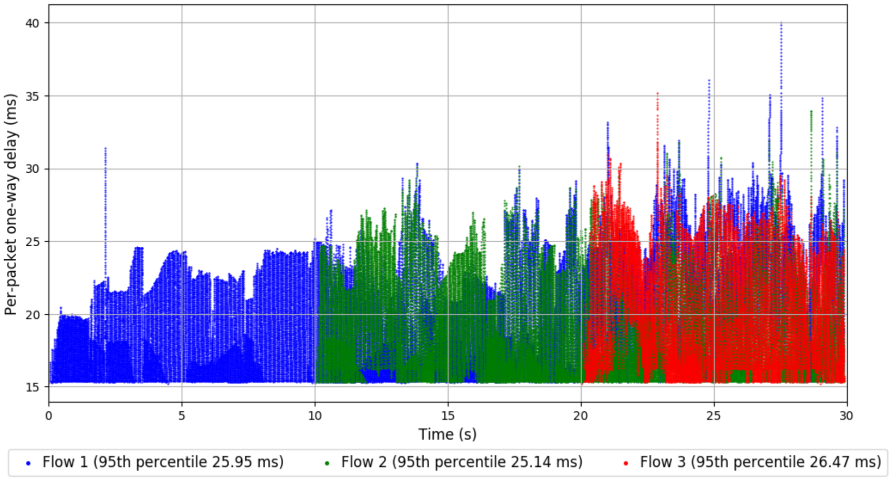
```
Run 6: Statistics of Sprout

Start at: 2018-04-24 19:04:11
End at: 2018-04-24 19:04:41
Local clock offset: -3.992 ms
Remote clock offset: -9.866 ms

# Below is generated by plot.py at 2018-04-24 23:57:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.59 Mbit/s
95th percentile per-packet one-way delay: 25.853 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 25.954 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 25.145 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 26.468 ms
Loss rate: 0.40%
```

Run 6: Report of Sprout — Data Link



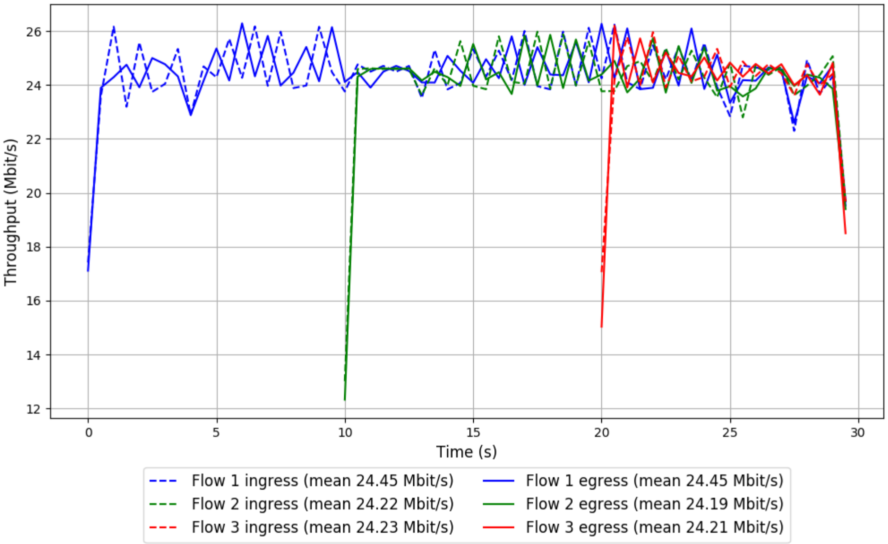


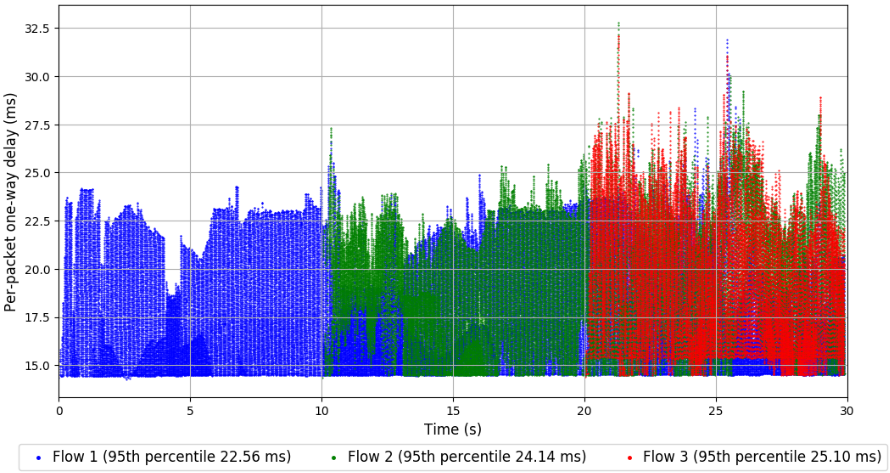
```
Run 7: Statistics of Sprout

Start at: 2018-04-24 19:24:34
End at: 2018-04-24 19:25:04
Local clock offset: -4.709 ms
Remote clock offset: -7.099 ms

# Below is generated by plot.py at 2018-04-24 23:57:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.51 Mbit/s
95th percentile per-packet one-way delay: 23.571 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 22.559 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 24.138 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 25.097 ms
Loss rate: 0.41%
```

Run 7: Report of Sprout — Data Link



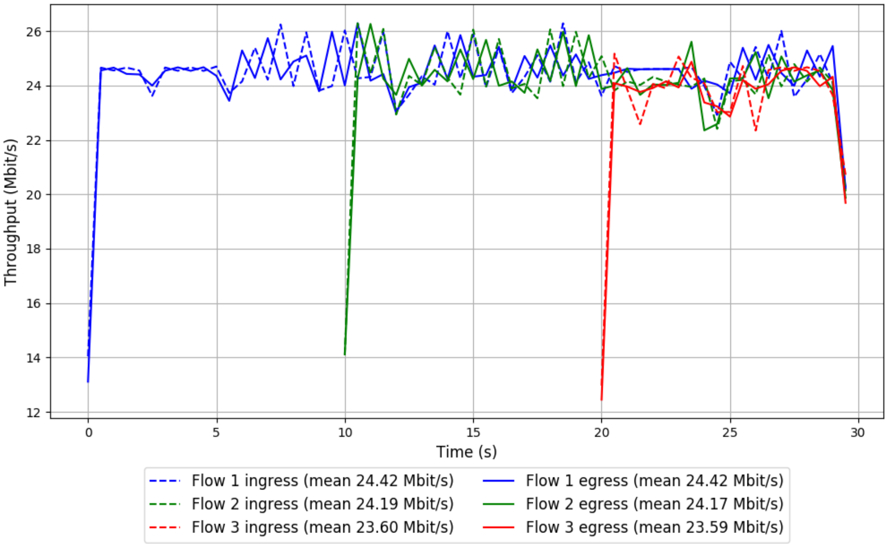


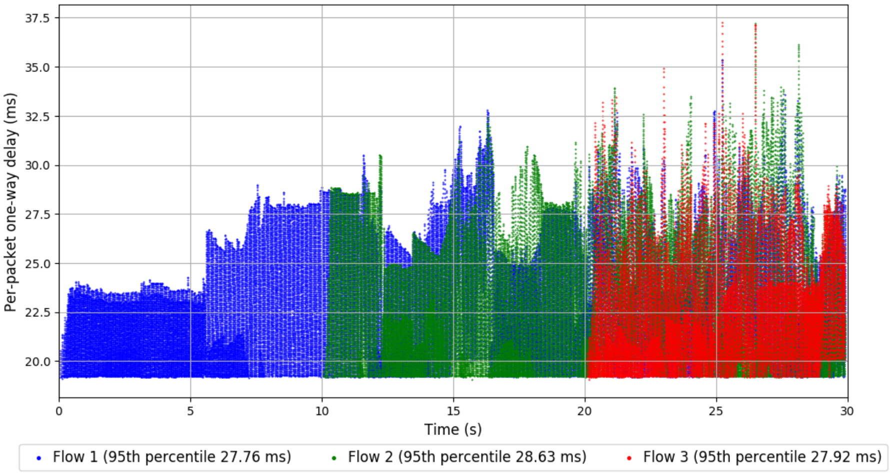
```
Run 8: Statistics of Sprout

Start at: 2018-04-24 19:44:50
End at: 2018-04-24 19:45:20
Local clock offset: -2.28 ms
Remote clock offset: -7.722 ms

# Below is generated by plot.py at 2018-04-24 23:57:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.26 Mbit/s
95th percentile per-packet one-way delay: 28.078 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 27.761 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 28.631 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 27.918 ms
Loss rate: 0.42%
```

Run 8: Report of Sprout — Data Link



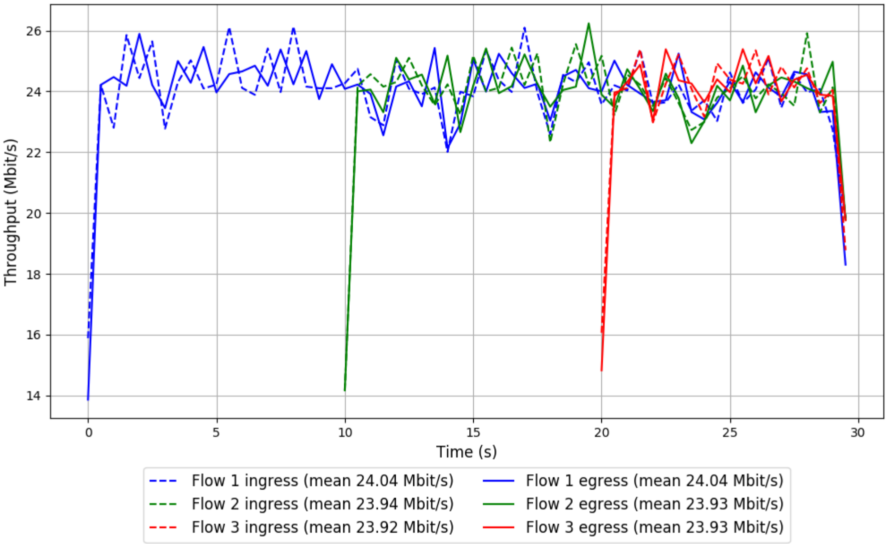


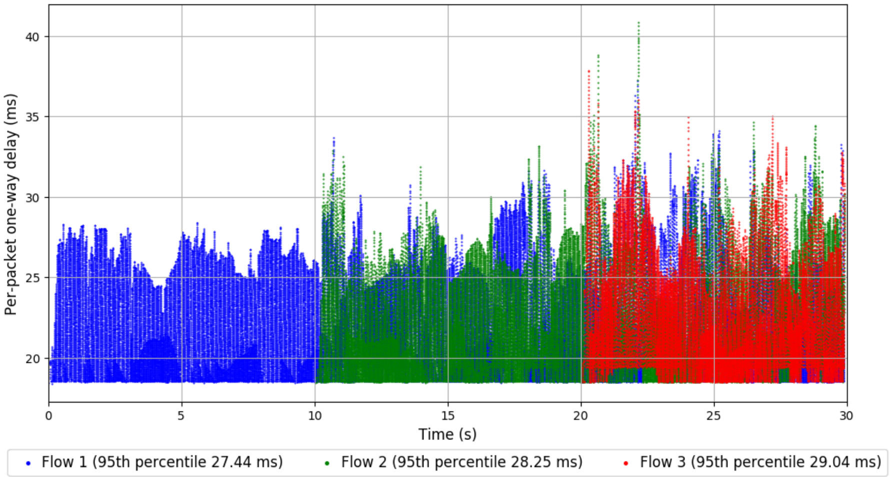
```
Run 9: Statistics of Sprout

Start at: 2018-04-24 20:05:24
End at: 2018-04-24 20:05:54
Local clock offset: -0.835 ms
Remote clock offset: -8.097 ms

# Below is generated by plot.py at 2018-04-24 23:57:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.84 Mbit/s
95th percentile per-packet one-way delay: 28.003 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 27.438 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 28.255 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 29.036 ms
Loss rate: 0.07%
```

Run 9: Report of Sprout — Data Link



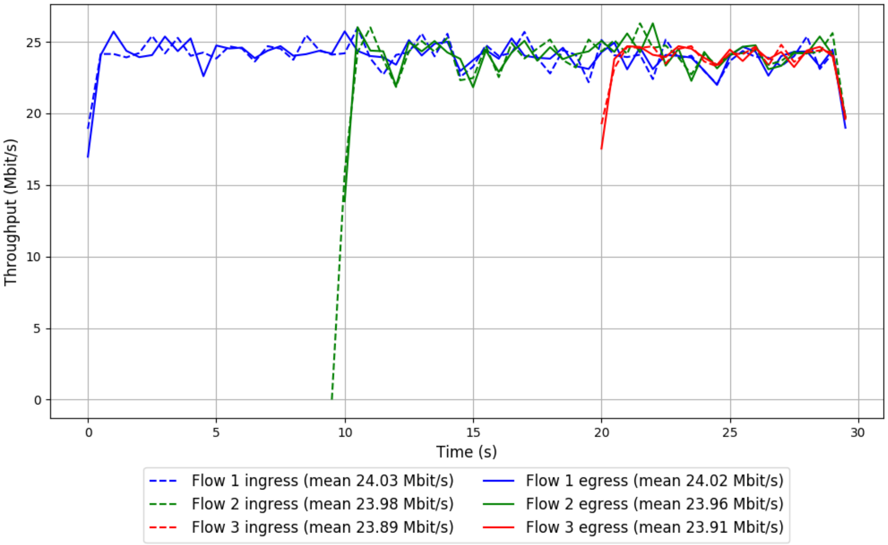


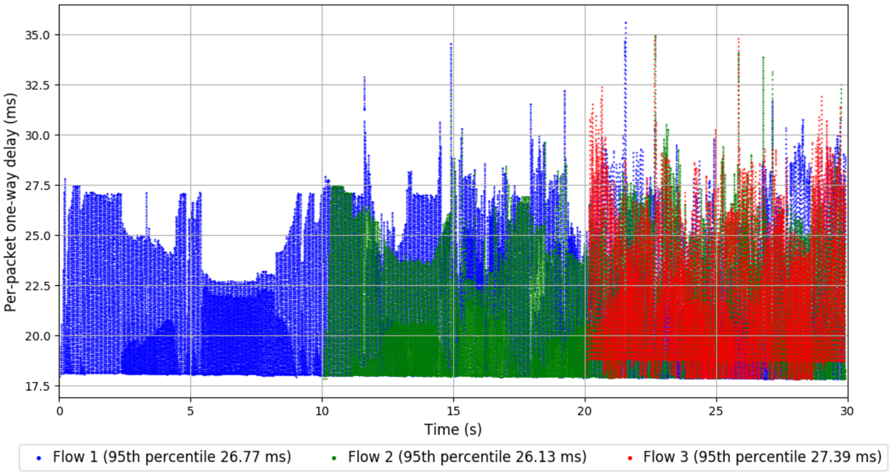
```
Run 10: Statistics of Sprout

Start at: 2018-04-24 20:25:35
End at: 2018-04-24 20:26:05
Local clock offset: -0.038 ms
Remote clock offset: -8.181 ms

# Below is generated by plot.py at 2018-04-24 23:57:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.85 Mbit/s
95th percentile per-packet one-way delay: 26.690 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 26.774 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 26.128 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 27.386 ms
Loss rate: 0.24%
```

Run 10: Report of Sprout — Data Link



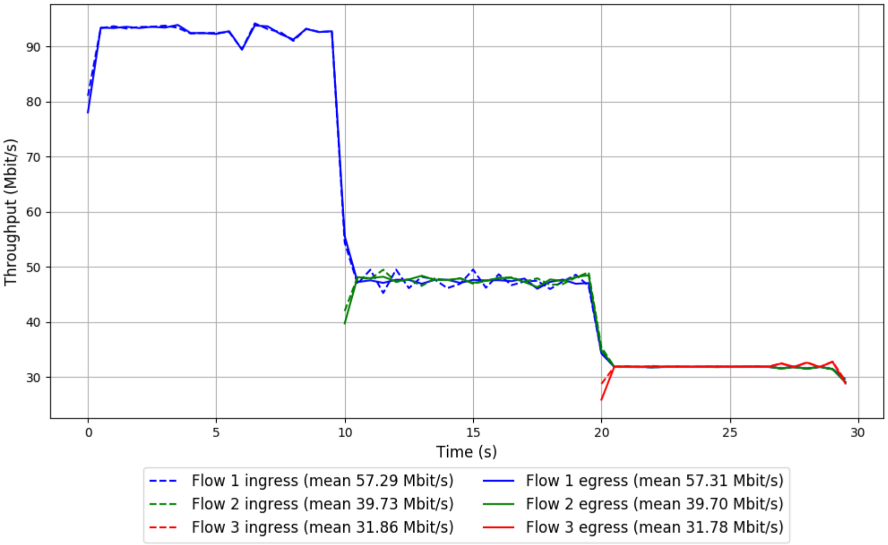


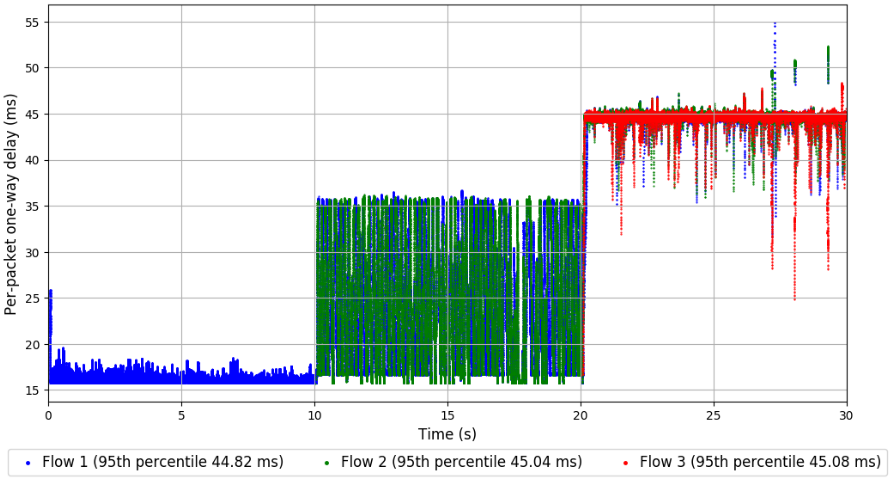
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-24 16:58:36
End at: 2018-04-24 16:59:06
Local clock offset: -10.284 ms
Remote clock offset: -6.882 ms

# Below is generated by plot.py at 2018-04-24 23:59:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.24 Mbit/s
95th percentile per-packet one-way delay: 44.977 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.31 Mbit/s
95th percentile per-packet one-way delay: 44.822 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: 45.042 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 45.080 ms
Loss rate: 0.52%
```

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



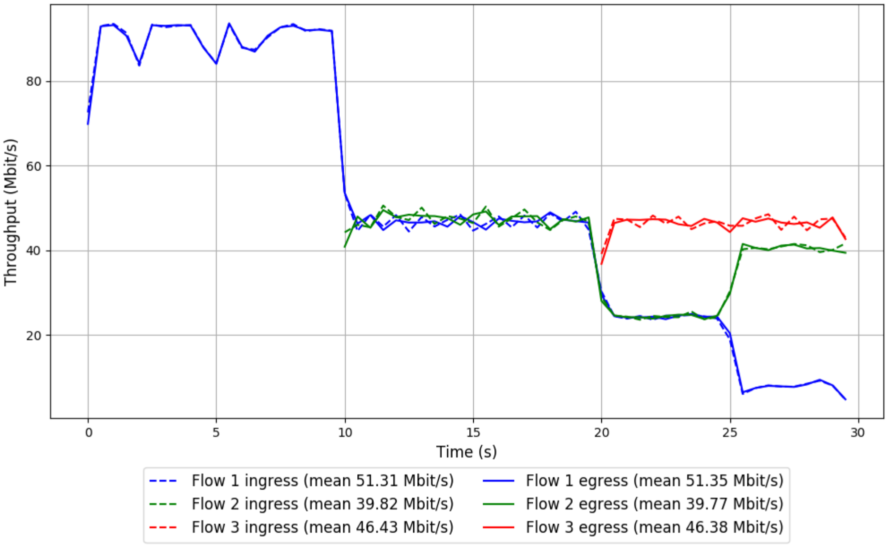


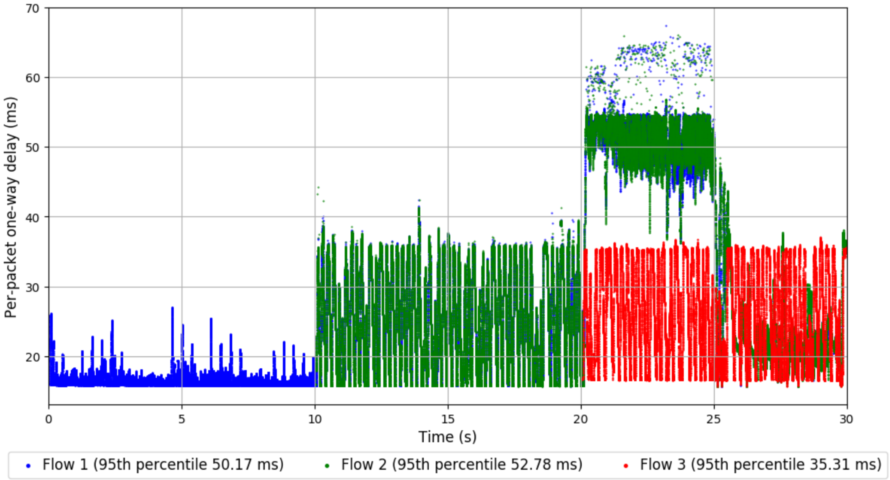
```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-24 17:21:10
End at: 2018-04-24 17:21:40
Local clock offset: 2.037 ms
Remote clock offset: -11.416 ms

# Below is generated by plot.py at 2018-04-24 23:59:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 50.705 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 51.35 Mbit/s
95th percentile per-packet one-way delay: 50.166 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 52.783 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 46.38 Mbit/s
95th percentile per-packet one-way delay: 35.314 ms
Loss rate: 0.38%
```

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



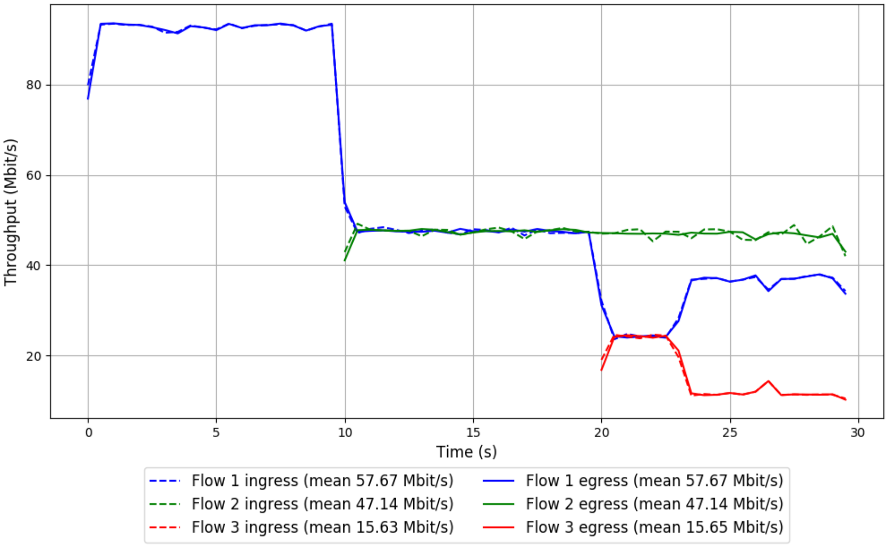


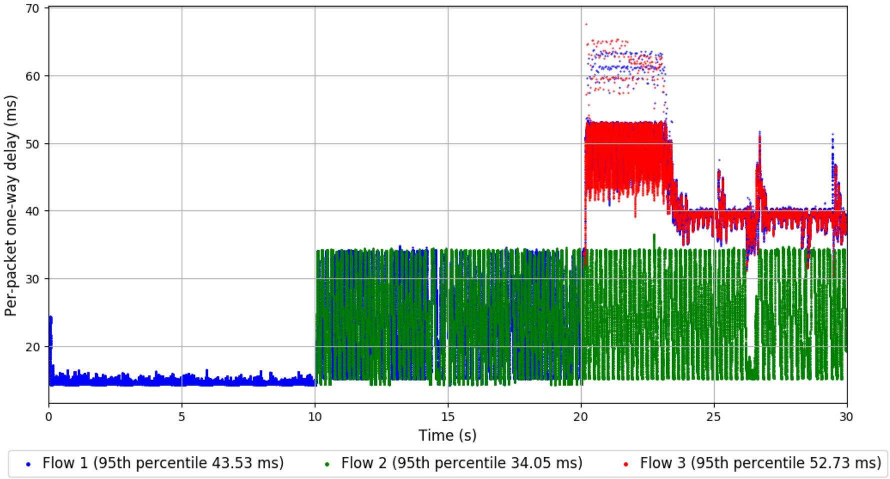
```
Run 3: Statistics of TaoVA-100x

Start at: 2018-04-24 17:43:43
End at: 2018-04-24 17:44:13
Local clock offset: 4.938 ms
Remote clock offset: -8.98 ms

# Below is generated by plot.py at 2018-04-24 23:59:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 45.798 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 57.67 Mbit/s
95th percentile per-packet one-way delay: 43.533 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 47.14 Mbit/s
95th percentile per-packet one-way delay: 34.048 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 15.65 Mbit/s
95th percentile per-packet one-way delay: 52.729 ms
Loss rate: 0.34%
```

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



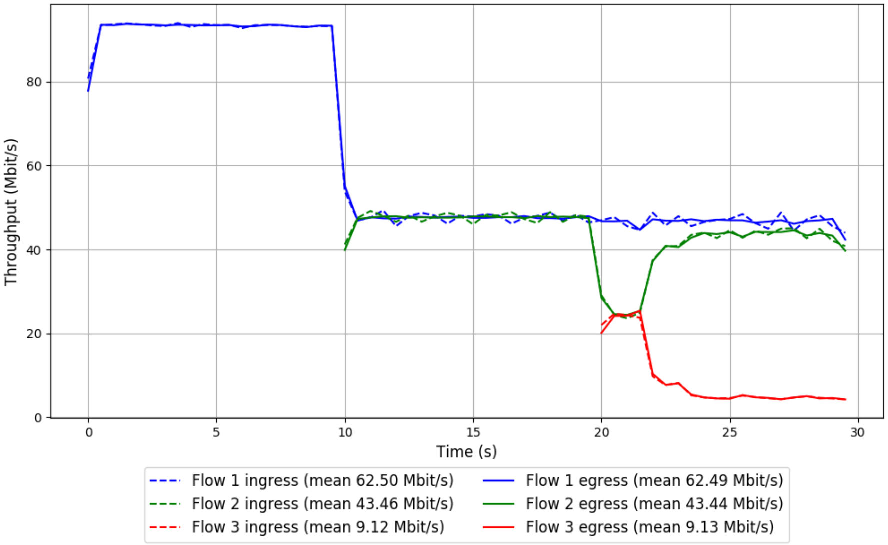


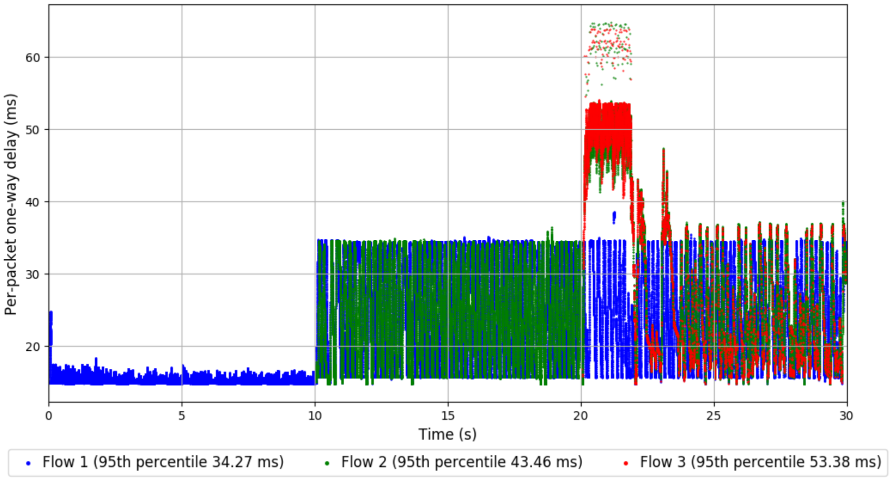
```
Run 4: Statistics of TaoVA-100x

Start at: 2018-04-24 18:05:08
End at: 2018-04-24 18:05:38
Local clock offset: 10.328 ms
Remote clock offset: -5.898 ms

# Below is generated by plot.py at 2018-04-24 23:59:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 35.366 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 62.49 Mbit/s
95th percentile per-packet one-way delay: 34.270 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 43.44 Mbit/s
95th percentile per-packet one-way delay: 43.463 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 53.379 ms
Loss rate: 0.10%
```

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



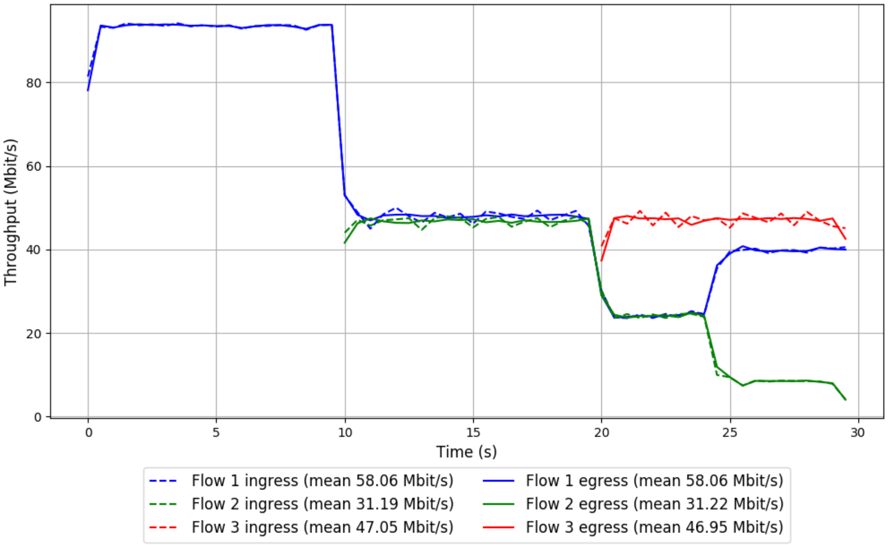


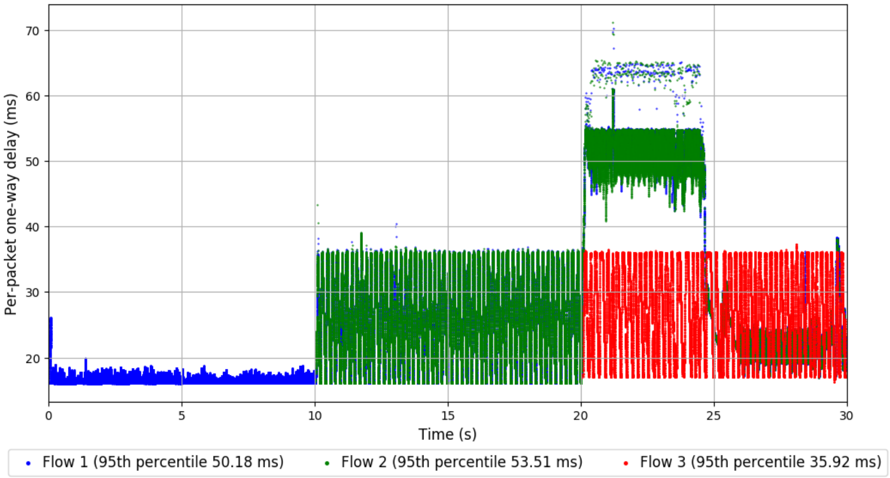
```
Run 5: Statistics of TaoVA-100x

Start at: 2018-04-24 18:25:44
End at: 2018-04-24 18:26:14
Local clock offset: -3.636 ms
Remote clock offset: -7.595 ms

# Below is generated by plot.py at 2018-04-24 23:59:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 50.964 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.06 Mbit/s
95th percentile per-packet one-way delay: 50.180 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 31.22 Mbit/s
95th percentile per-packet one-way delay: 53.512 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 46.95 Mbit/s
95th percentile per-packet one-way delay: 35.920 ms
Loss rate: 0.44%
```

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



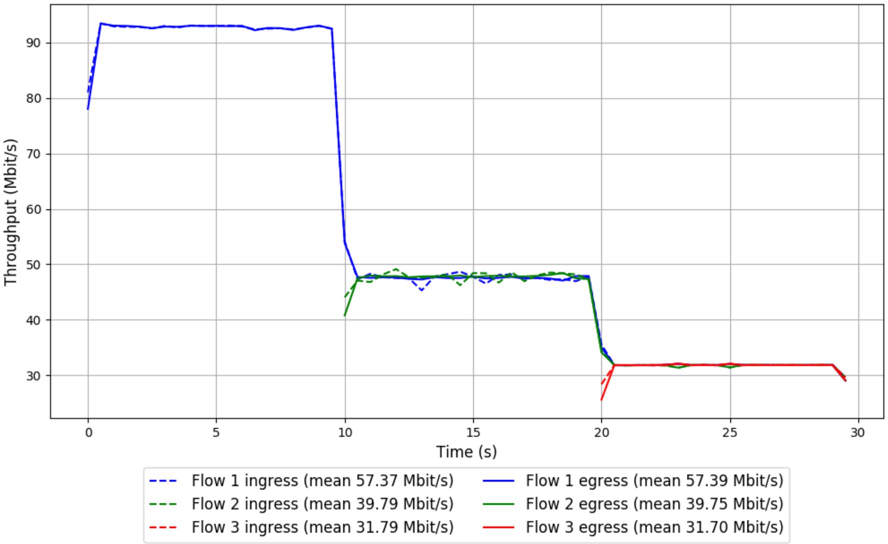


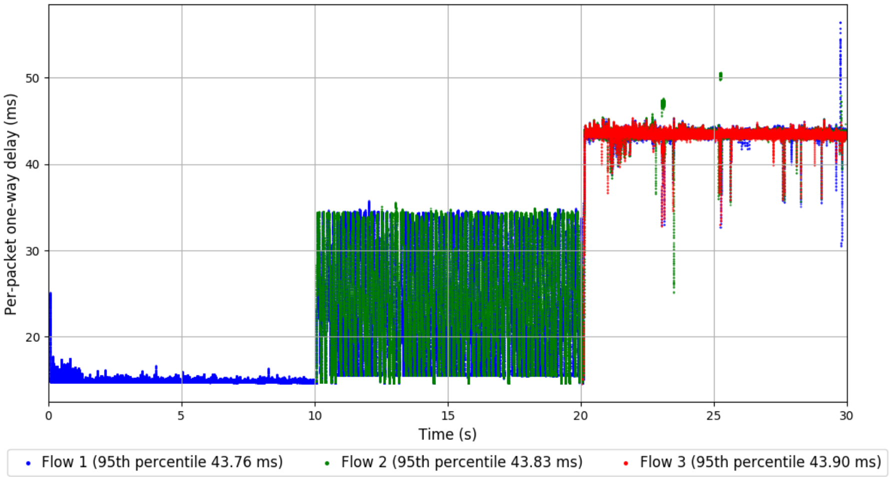
```
Run 6: Statistics of TaoVA-100x

Start at: 2018-04-24 18:46:02
End at: 2018-04-24 18:46:32
Local clock offset: -6.778 ms
Remote clock offset: -8.685 ms

# Below is generated by plot.py at 2018-04-25 00:00:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 43.819 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.39 Mbit/s
95th percentile per-packet one-way delay: 43.755 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 43.834 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 43.904 ms
Loss rate: 0.53%
```

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



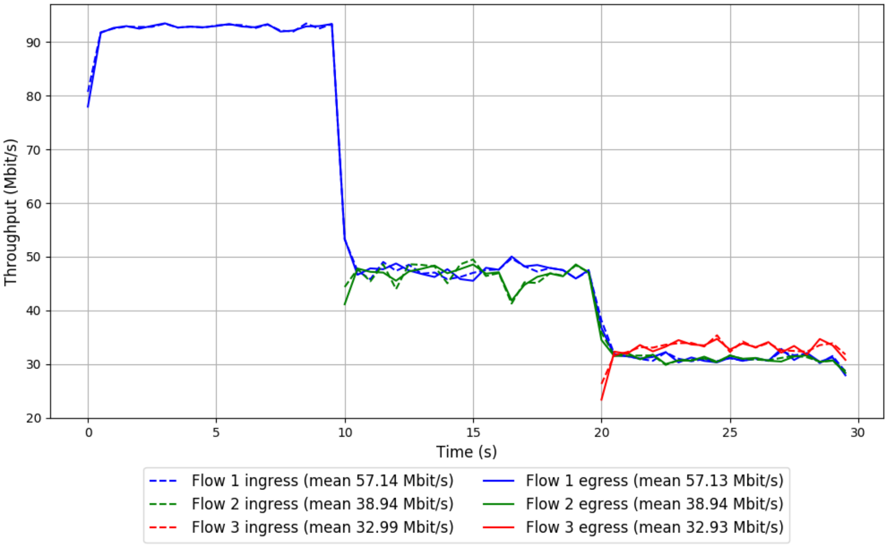


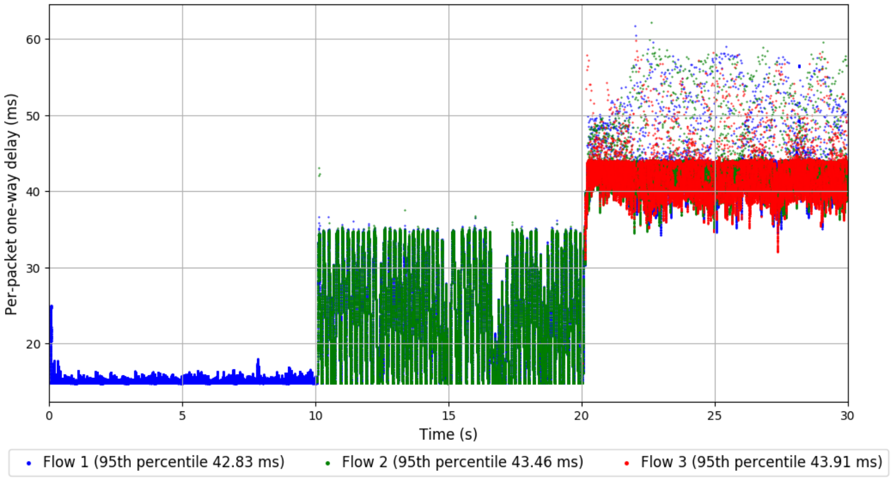
```
Run 7: Statistics of TaoVA-100x

Start at: 2018-04-24 19:06:33
End at: 2018-04-24 19:07:03
Local clock offset: -4.265 ms
Remote clock offset: -9.634 ms

# Below is generated by plot.py at 2018-04-25 00:00:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 43.414 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 57.13 Mbit/s
95th percentile per-packet one-way delay: 42.825 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 38.94 Mbit/s
95th percentile per-packet one-way delay: 43.462 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 43.907 ms
Loss rate: 0.51%
```

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



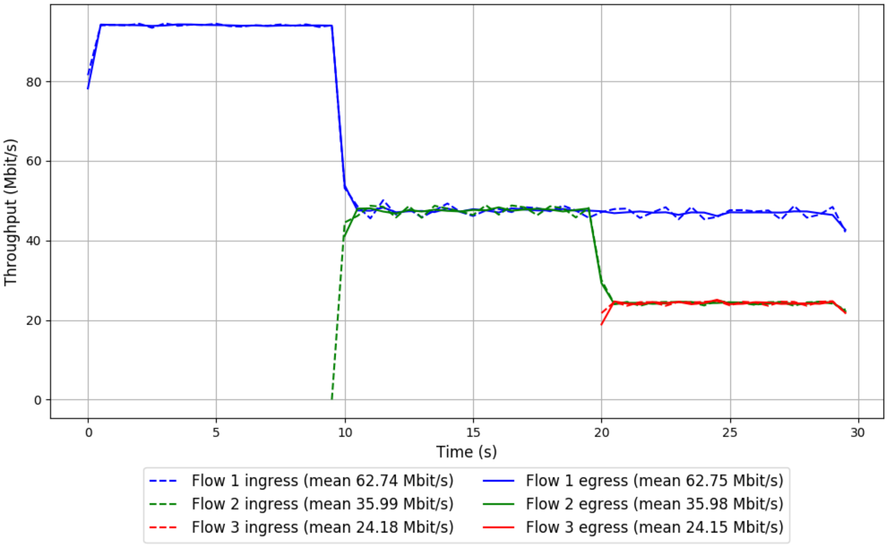


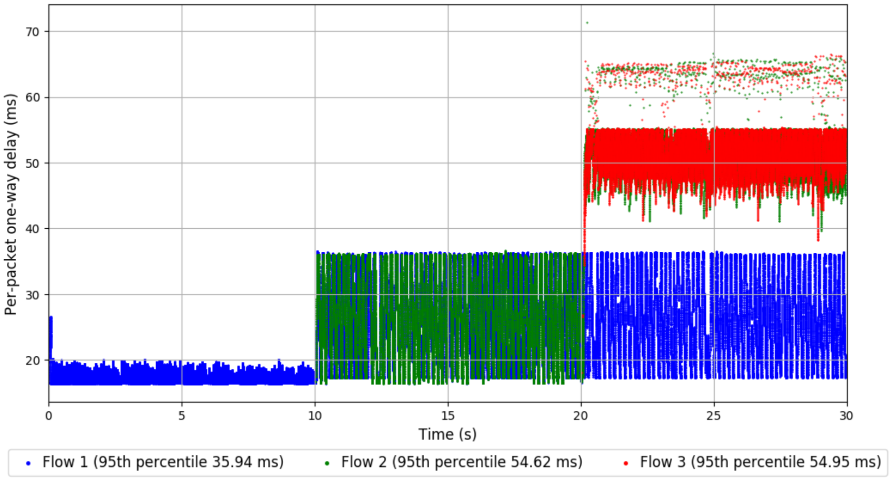
```
Run 8: Statistics of TaoVA-100x

Start at: 2018-04-24 19:26:55
End at: 2018-04-24 19:27:25
Local clock offset: -3.968 ms
Remote clock offset: -8.057 ms

# Below is generated by plot.py at 2018-04-25 00:00:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 53.222 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 62.75 Mbit/s
95th percentile per-packet one-way delay: 35.936 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 54.619 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 54.949 ms
Loss rate: 0.59%
```

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



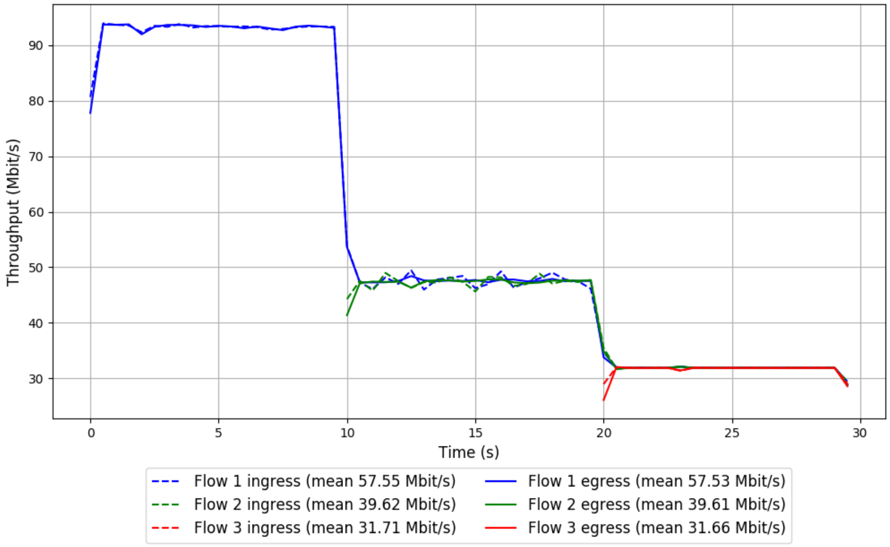


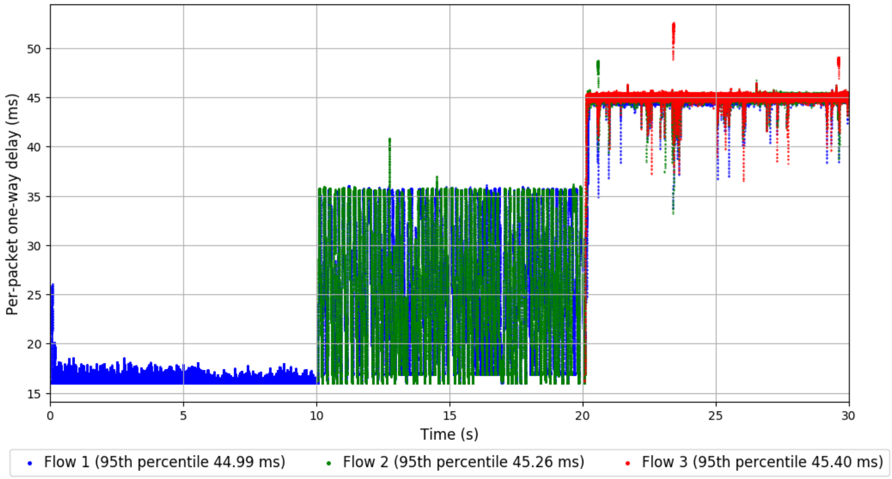
```
Run 9: Statistics of TaoVA-100x

Start at: 2018-04-24 19:47:13
End at: 2018-04-24 19:47:43
Local clock offset: -4.018 ms
Remote clock offset: -6.244 ms

# Below is generated by plot.py at 2018-04-25 00:02:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 45.264 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.53 Mbit/s
95th percentile per-packet one-way delay: 44.995 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.61 Mbit/s
95th percentile per-packet one-way delay: 45.257 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 45.402 ms
Loss rate: 0.53%
```

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



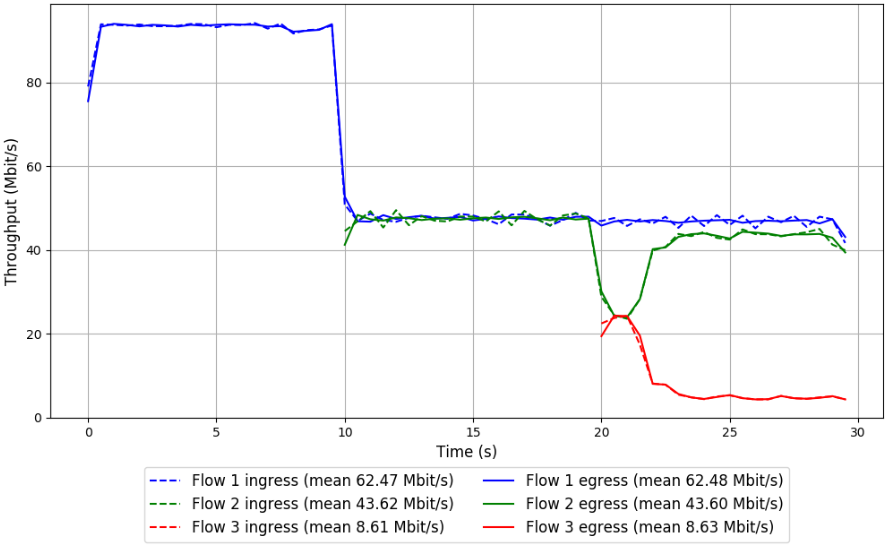


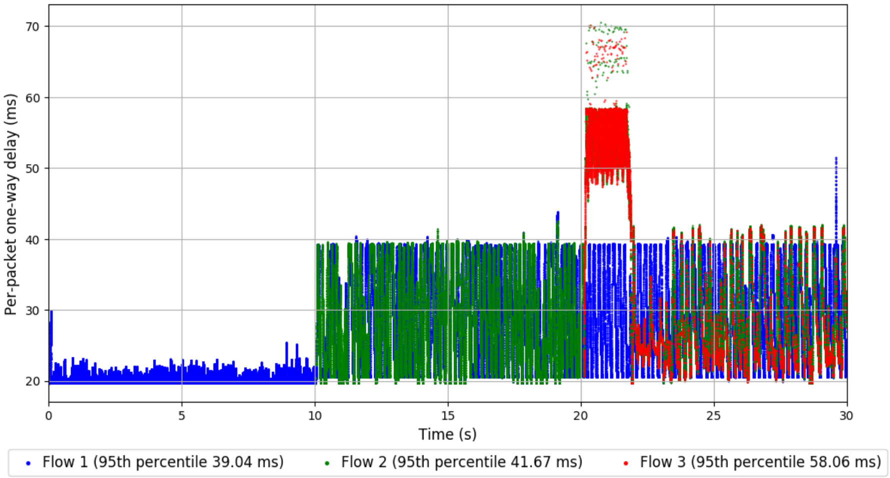
```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-24 20:07:48
End at: 2018-04-24 20:08:18
Local clock offset: -0.422 ms
Remote clock offset: -9.007 ms

# Below is generated by plot.py at 2018-04-25 00:02:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.36 Mbit/s
95th percentile per-packet one-way delay: 39.278 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 62.48 Mbit/s
95th percentile per-packet one-way delay: 39.036 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 43.60 Mbit/s
95th percentile per-packet one-way delay: 41.669 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 8.63 Mbit/s
95th percentile per-packet one-way delay: 58.059 ms
Loss rate: 0.17%
```

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



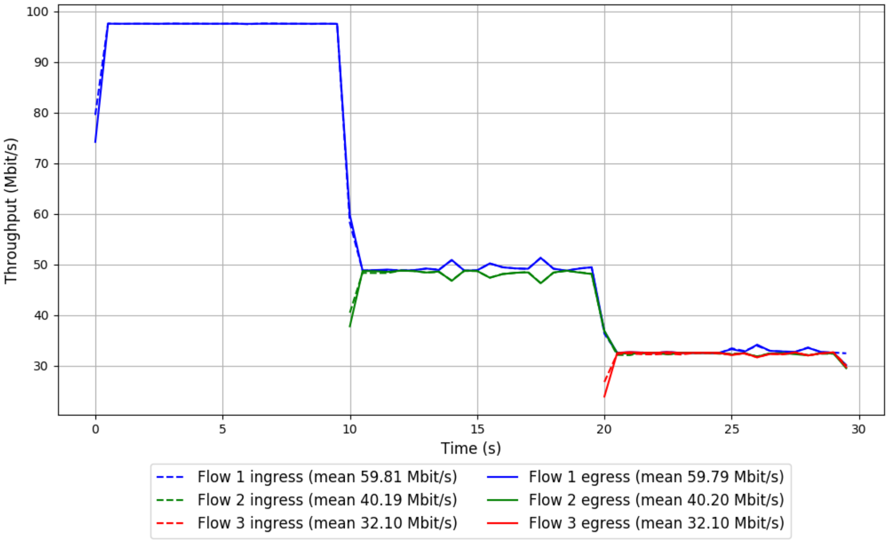


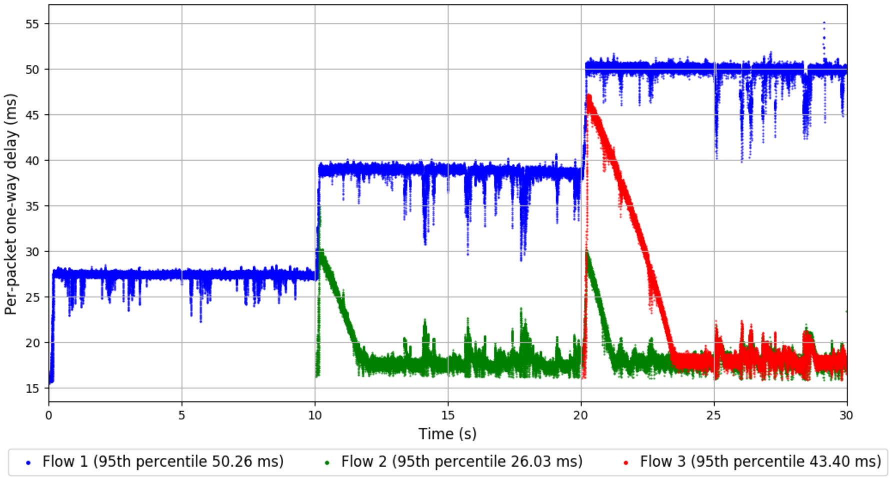
```
Run 1: Statistics of TCP Vegas

Start at: 2018-04-24 17:00:01
End at: 2018-04-24 17:00:32
Local clock offset: -10.392 ms
Remote clock offset: -7.178 ms

# Below is generated by plot.py at 2018-04-25 00:02:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 50.110 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 59.79 Mbit/s
95th percentile per-packet one-way delay: 50.256 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 26.026 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 32.10 Mbit/s
95th percentile per-packet one-way delay: 43.401 ms
Loss rate: 0.24%
```

Run 1: Report of TCP Vegas — Data Link



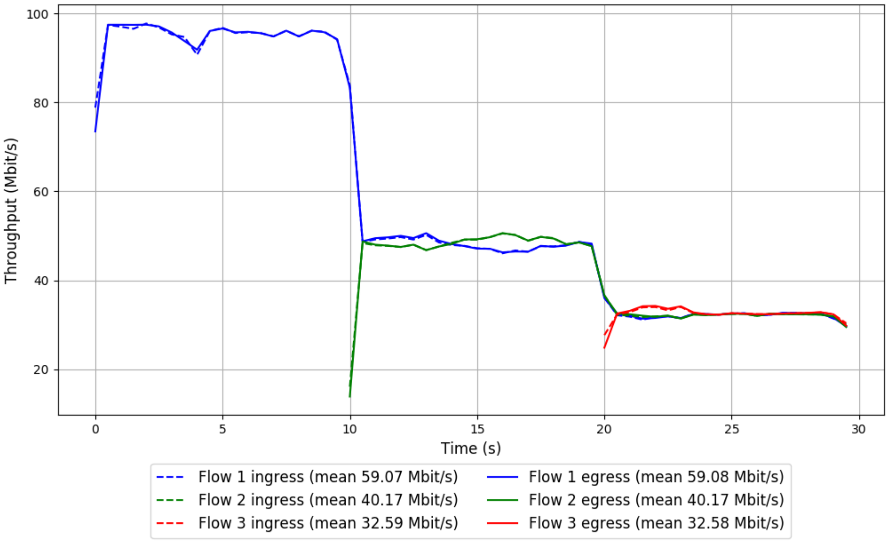


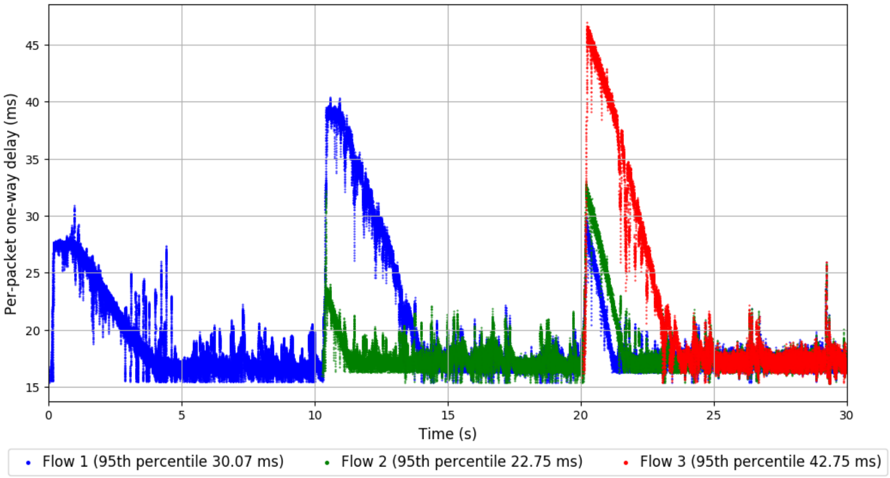
```
Run 2: Statistics of TCP Vegas

Start at: 2018-04-24 17:22:47
End at: 2018-04-24 17:23:17
Local clock offset: 2.605 ms
Remote clock offset: -11.053 ms

# Below is generated by plot.py at 2018-04-25 00:02:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 30.946 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 30.073 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 22.745 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 32.58 Mbit/s
95th percentile per-packet one-way delay: 42.748 ms
Loss rate: 0.25%
```

Run 2: Report of TCP Vegas — Data Link



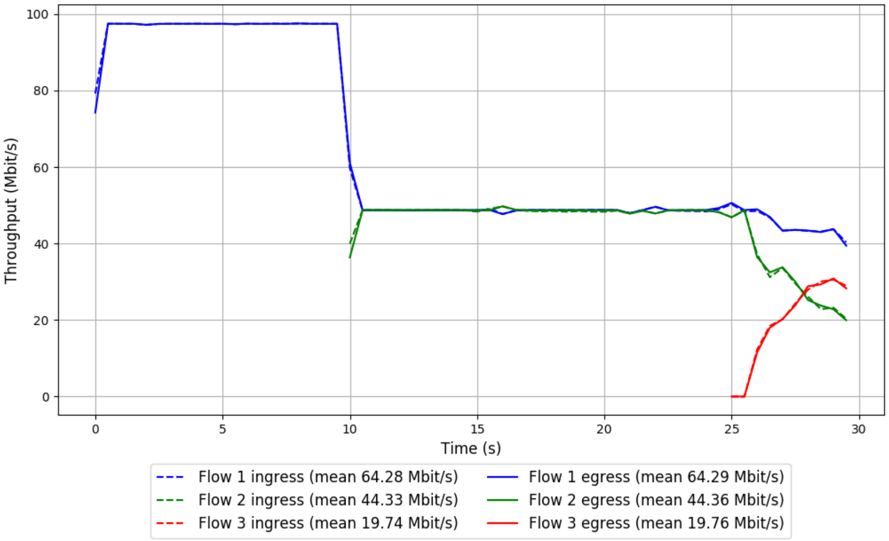


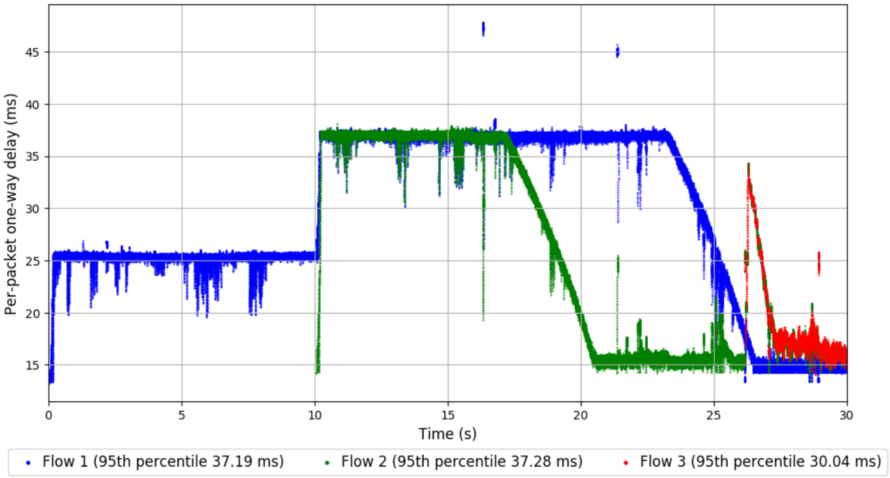
```
Run 3: Statistics of TCP Vegas

Start at: 2018-04-24 17:45:02
End at: 2018-04-24 17:45:32
Local clock offset: 4.955 ms
Remote clock offset: -7.979 ms

# Below is generated by plot.py at 2018-04-25 00:02:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 37.224 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 64.29 Mbit/s
95th percentile per-packet one-way delay: 37.186 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 44.36 Mbit/s
95th percentile per-packet one-way delay: 37.284 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 19.76 Mbit/s
95th percentile per-packet one-way delay: 30.042 ms
Loss rate: 0.91%
```

Run 3: Report of TCP Vegas — Data Link



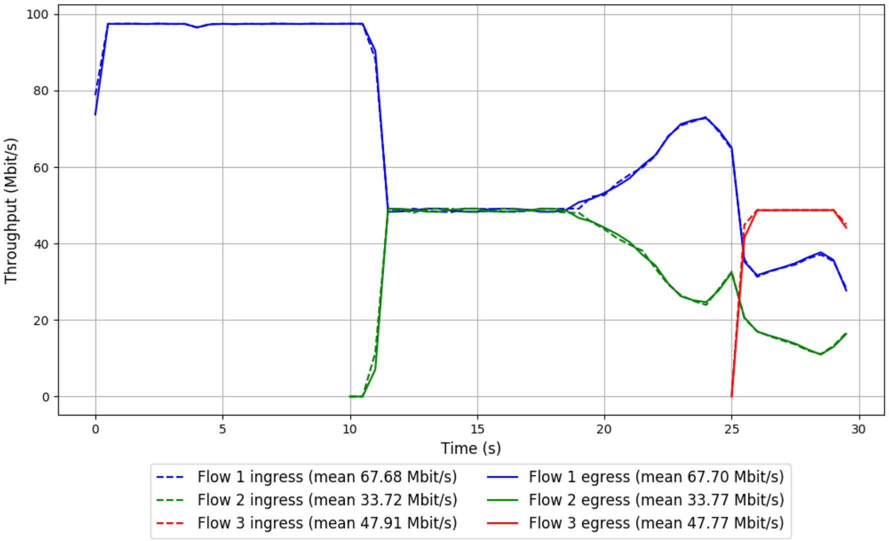


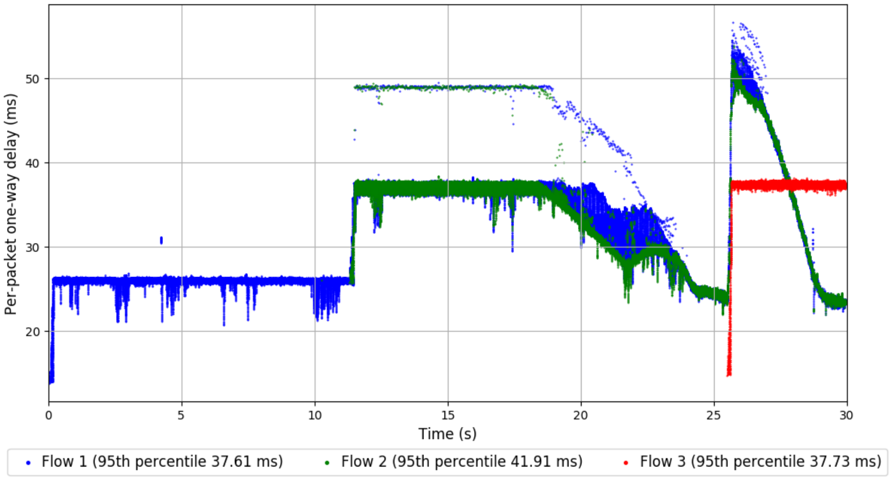
```
Run 4: Statistics of TCP Vegas

Start at: 2018-04-24 18:06:26
End at: 2018-04-24 18:06:56
Local clock offset: 8.642 ms
Remote clock offset: -6.786 ms

# Below is generated by plot.py at 2018-04-25 00:02:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 37.684 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 67.70 Mbit/s
95th percentile per-packet one-way delay: 37.609 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 33.77 Mbit/s
95th percentile per-packet one-way delay: 41.906 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 47.77 Mbit/s
95th percentile per-packet one-way delay: 37.725 ms
Loss rate: 1.07%
```

Run 4: Report of TCP Vegas — Data Link



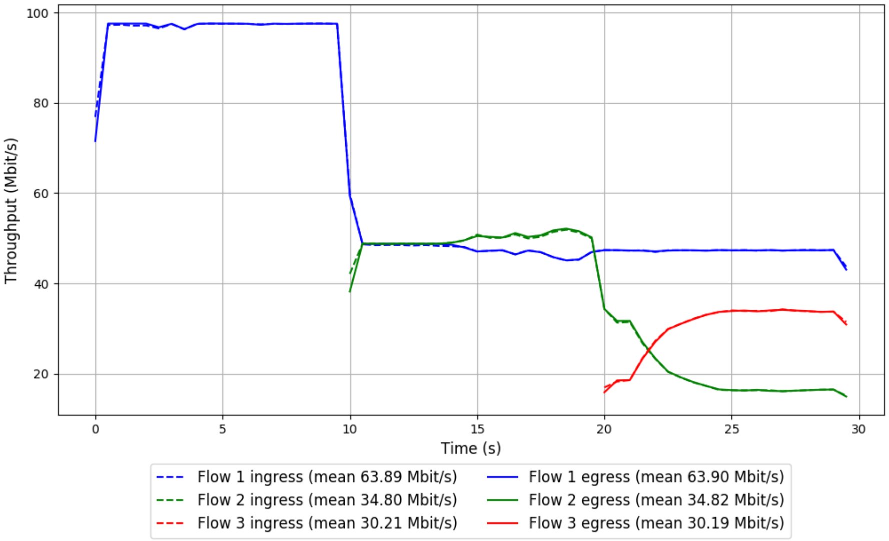


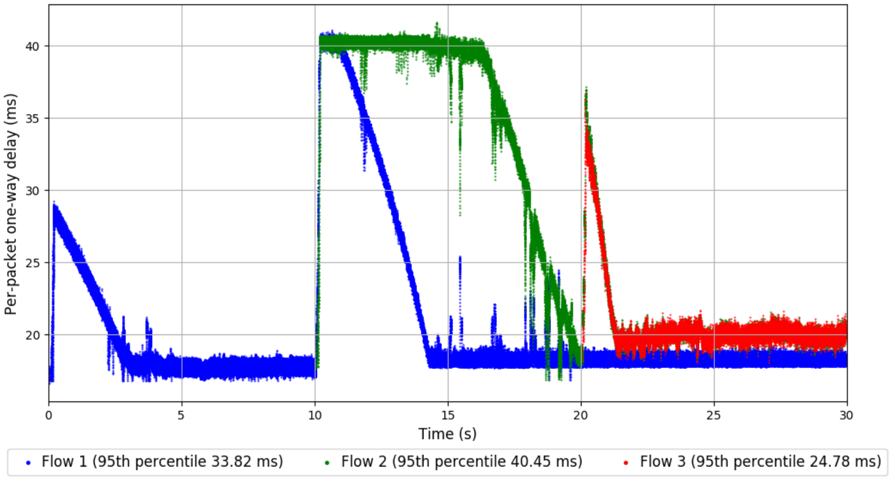
```
Run 5: Statistics of TCP Vegas

Start at: 2018-04-24 18:26:59
End at: 2018-04-24 18:27:29
Local clock offset: -3.425 ms
Remote clock offset: -7.649 ms

# Below is generated by plot.py at 2018-04-25 00:02:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 40.188 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 63.90 Mbit/s
95th percentile per-packet one-way delay: 33.817 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 34.82 Mbit/s
95th percentile per-packet one-way delay: 40.446 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 30.19 Mbit/s
95th percentile per-packet one-way delay: 24.776 ms
Loss rate: 0.31%
```

Run 5: Report of TCP Vegas — Data Link



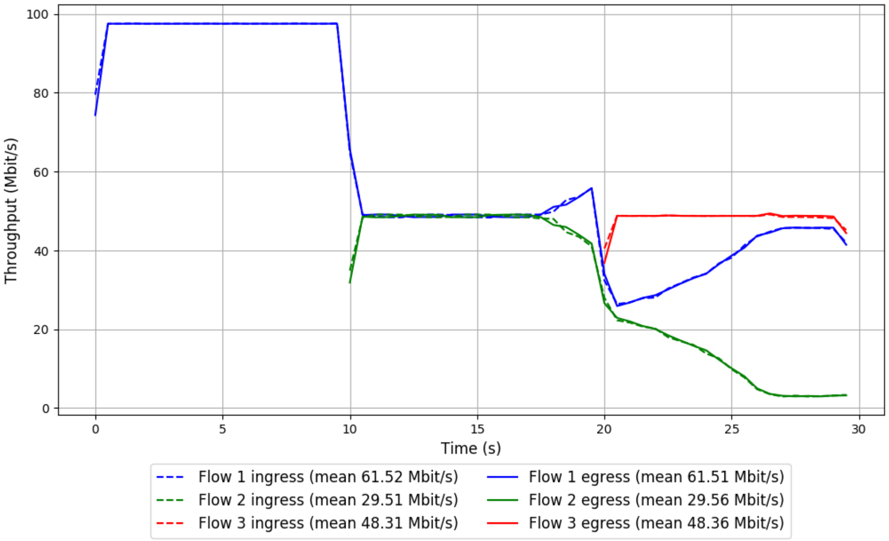


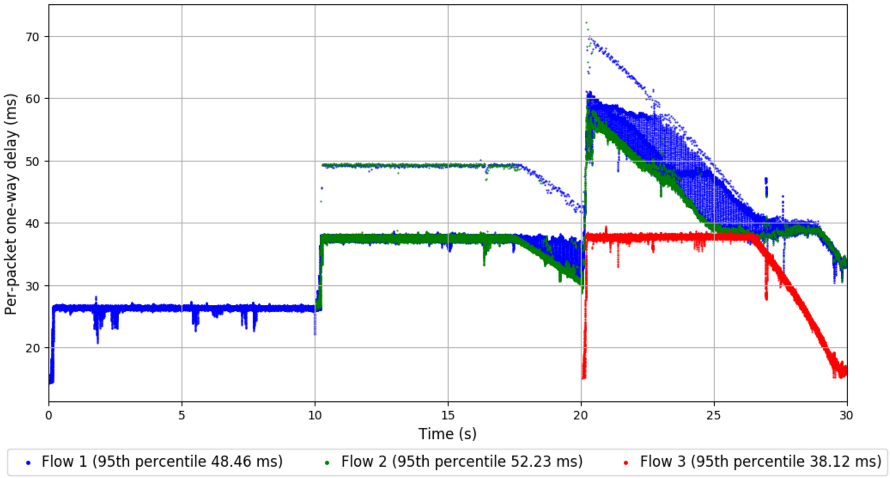
```
Run 6: Statistics of TCP Vegas

Start at: 2018-04-24 18:47:21
End at: 2018-04-24 18:47:51
Local clock offset: -5.351 ms
Remote clock offset: -7.441 ms

# Below is generated by plot.py at 2018-04-25 00:02:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 48.745 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 61.51 Mbit/s
95th percentile per-packet one-way delay: 48.456 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 29.56 Mbit/s
95th percentile per-packet one-way delay: 52.225 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 38.117 ms
Loss rate: 0.25%
```

Run 6: Report of TCP Vegas — Data Link



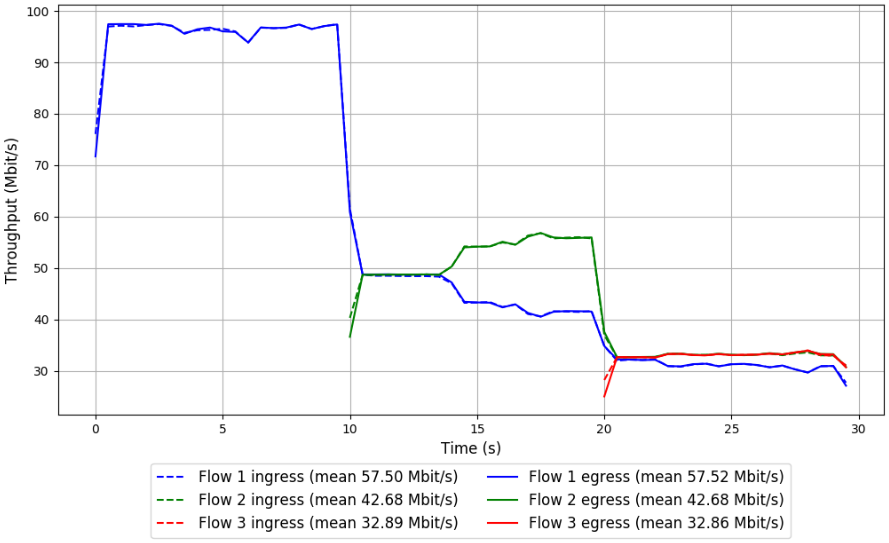


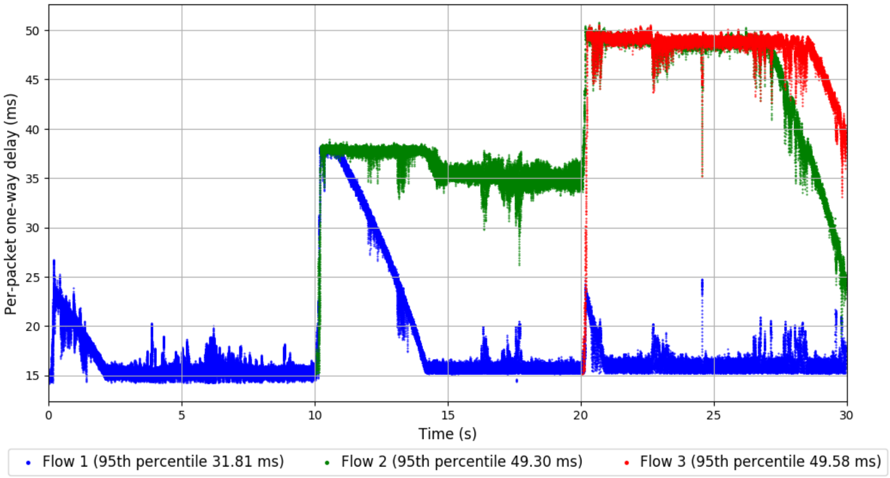
```
Run 7: Statistics of TCP Vegas

Start at: 2018-04-24 19:07:59
End at: 2018-04-24 19:08:29
Local clock offset: -4.657 ms
Remote clock offset: -9.506 ms

# Below is generated by plot.py at 2018-04-25 00:02:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 49.161 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 57.52 Mbit/s
95th percentile per-packet one-way delay: 31.813 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 42.68 Mbit/s
95th percentile per-packet one-way delay: 49.295 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 49.580 ms
Loss rate: 0.49%
```

Run 7: Report of TCP Vegas — Data Link



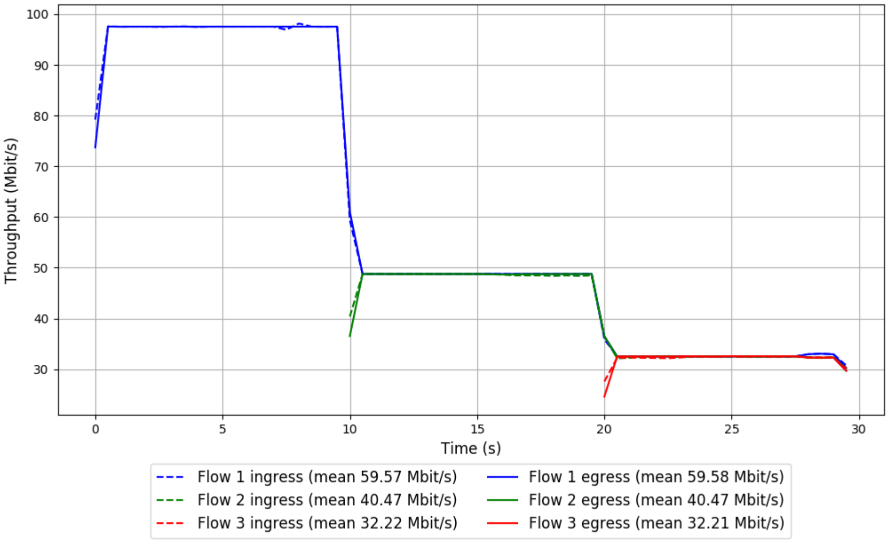


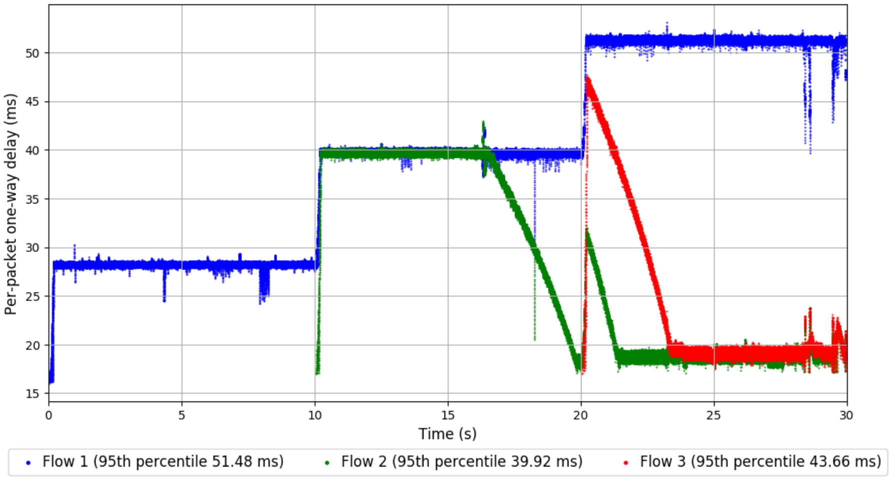
```
Run 8: Statistics of TCP Vegas

Start at: 2018-04-24 19:28:10
End at: 2018-04-24 19:28:40
Local clock offset: -4.663 ms
Remote clock offset: -8.378 ms

# Below is generated by plot.py at 2018-04-25 00:02:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 51.357 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 51.475 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.47 Mbit/s
95th percentile per-packet one-way delay: 39.923 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 43.662 ms
Loss rate: 0.27%
```

Run 8: Report of TCP Vegas — Data Link



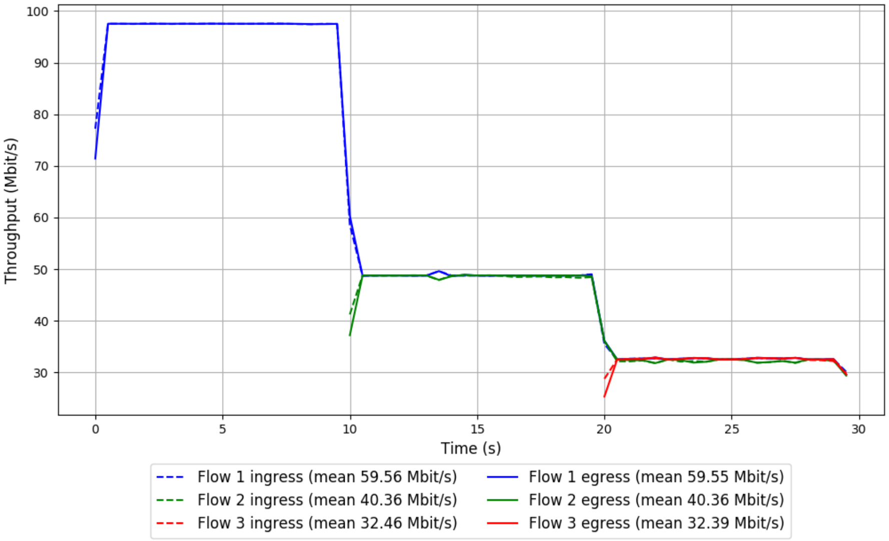


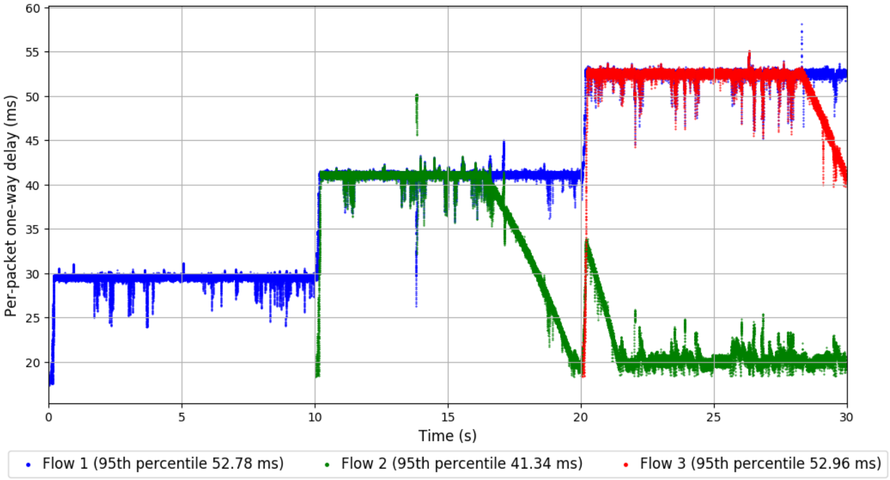
```
Run 9: Statistics of TCP Vegas

Start at: 2018-04-24 19:48:33
End at: 2018-04-24 19:49:03
Local clock offset: -2.97 ms
Remote clock offset: -6.614 ms

# Below is generated by plot.py at 2018-04-25 00:02:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 52.797 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 59.55 Mbit/s
95th percentile per-packet one-way delay: 52.782 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 41.341 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 52.963 ms
Loss rate: 0.47%
```

Run 9: Report of TCP Vegas — Data Link



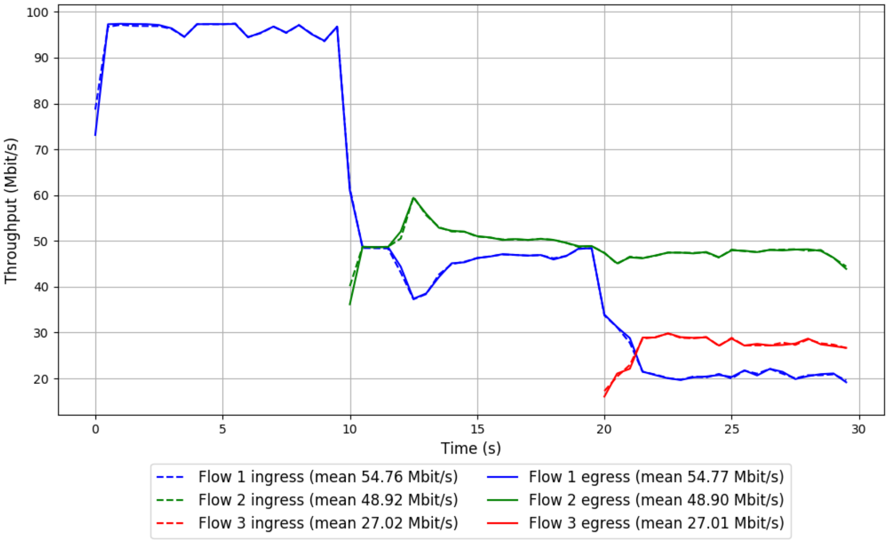


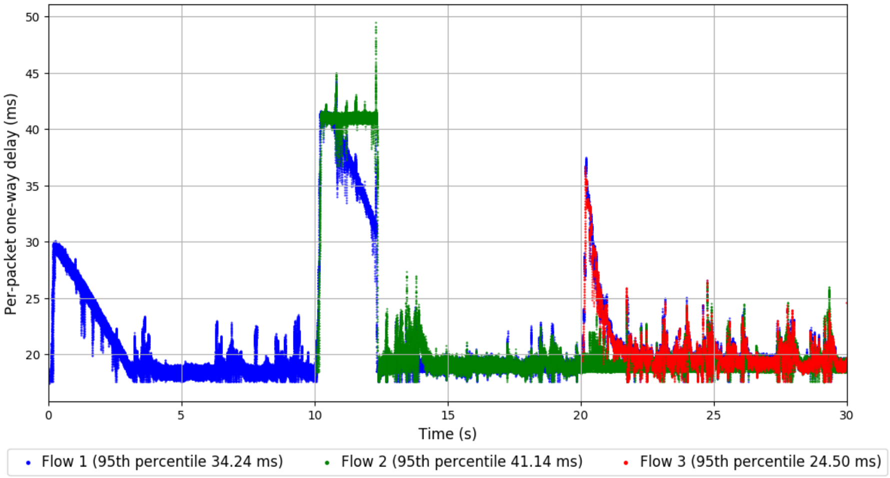
```
Run 10: Statistics of TCP Vegas

Start at: 2018-04-24 20:09:09
End at: 2018-04-24 20:09:39
Local clock offset: -1.89 ms
Remote clock offset: -8.456 ms

# Below is generated by plot.py at 2018-04-25 00:03:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 38.401 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 54.77 Mbit/s
95th percentile per-packet one-way delay: 34.244 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 48.90 Mbit/s
95th percentile per-packet one-way delay: 41.138 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 27.01 Mbit/s
95th percentile per-packet one-way delay: 24.502 ms
Loss rate: 0.26%
```

Run 10: Report of TCP Vegas — Data Link



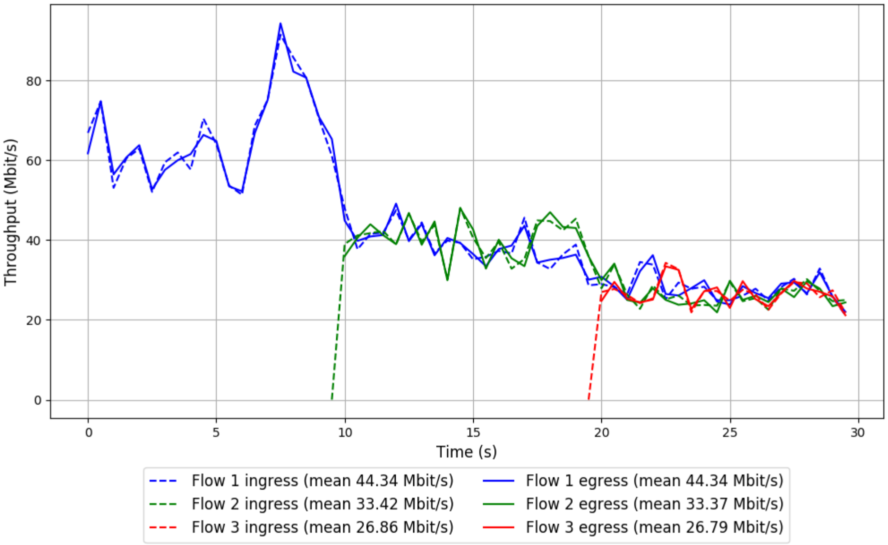


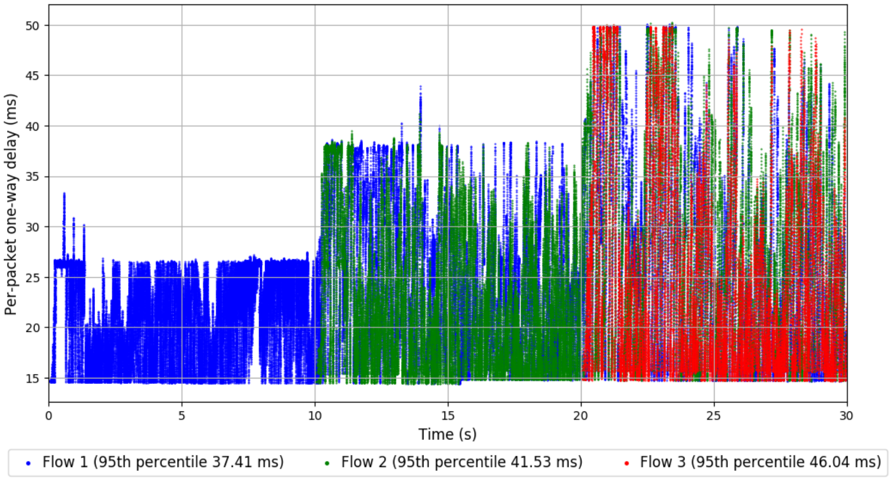
```
Run 1: Statistics of Verus

Start at: 2018-04-24 17:12:52
End at: 2018-04-24 17:13:22
Local clock offset: -0.553 ms
Remote clock offset: -9.277 ms

# Below is generated by plot.py at 2018-04-25 00:03:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.46 Mbit/s
95th percentile per-packet one-way delay: 39.172 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 44.34 Mbit/s
95th percentile per-packet one-way delay: 37.414 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.37 Mbit/s
95th percentile per-packet one-way delay: 41.535 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 26.79 Mbit/s
95th percentile per-packet one-way delay: 46.039 ms
Loss rate: 0.47%
```

Run 1: Report of Verus — Data Link



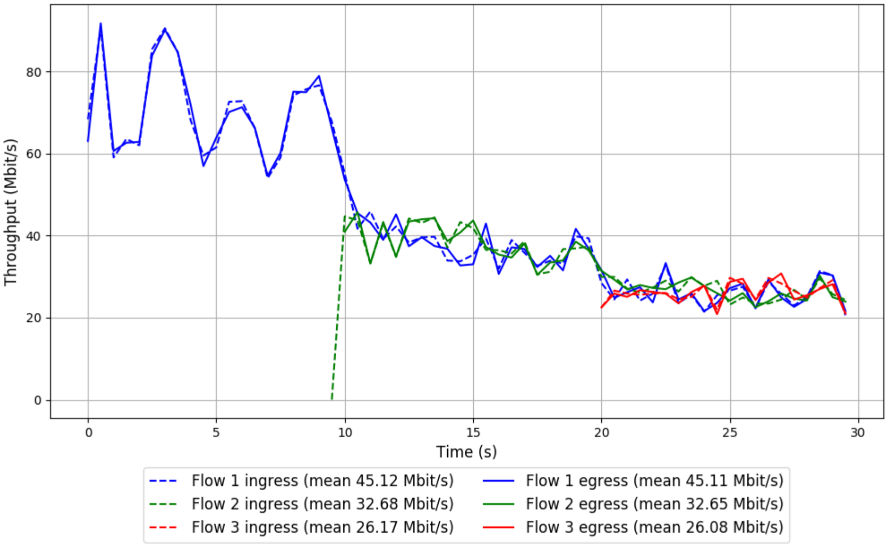


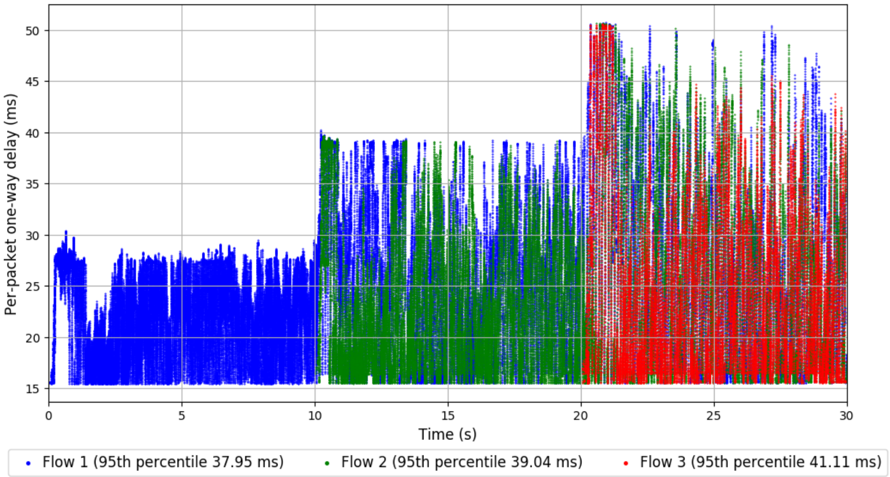
```
Run 2: Statistics of Verus

Start at: 2018-04-24 17:36:01
End at: 2018-04-24 17:36:31
Local clock offset: 4.96 ms
Remote clock offset: -10.899 ms

# Below is generated by plot.py at 2018-04-25 00:03:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.50 Mbit/s
95th percentile per-packet one-way delay: 38.794 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 45.11 Mbit/s
95th percentile per-packet one-way delay: 37.947 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 32.65 Mbit/s
95th percentile per-packet one-way delay: 39.041 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 26.08 Mbit/s
95th percentile per-packet one-way delay: 41.112 ms
Loss rate: 0.54%
```

Run 2: Report of Verus — Data Link



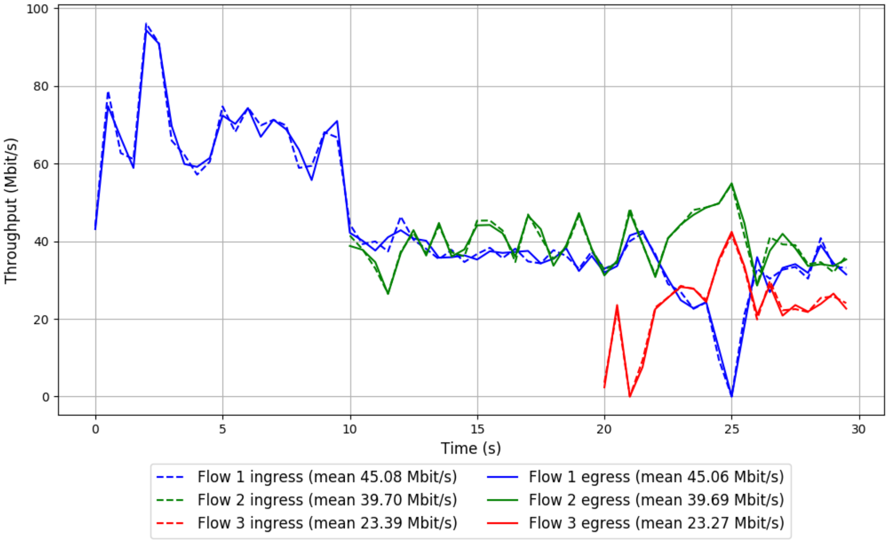


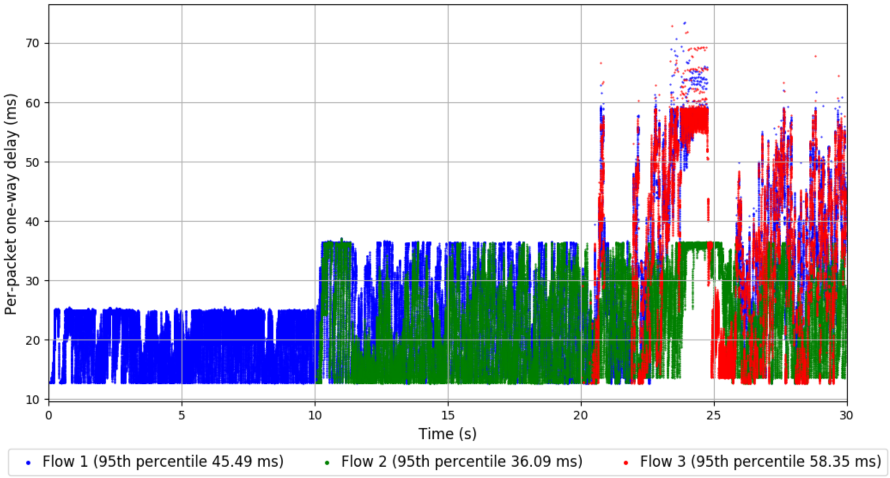
```
Run 3: Statistics of Verus

Start at: 2018-04-24 17:57:45
End at: 2018-04-24 17:58:15
Local clock offset: 6.588 ms
Remote clock offset: -6.636 ms

# Below is generated by plot.py at 2018-04-25 00:03:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.19 Mbit/s
95th percentile per-packet one-way delay: 47.129 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 45.06 Mbit/s
95th percentile per-packet one-way delay: 45.487 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 36.091 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 23.27 Mbit/s
95th percentile per-packet one-way delay: 58.348 ms
Loss rate: 0.77%
```

Run 3: Report of Verus — Data Link



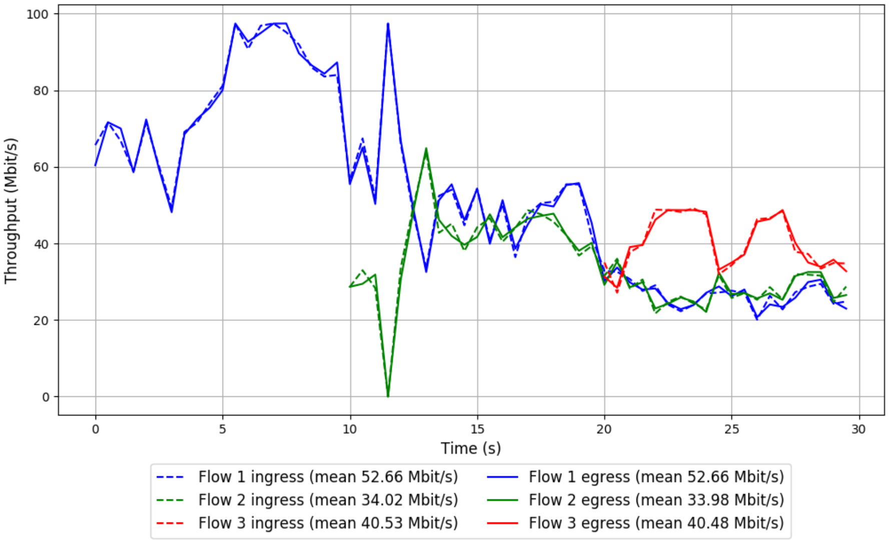


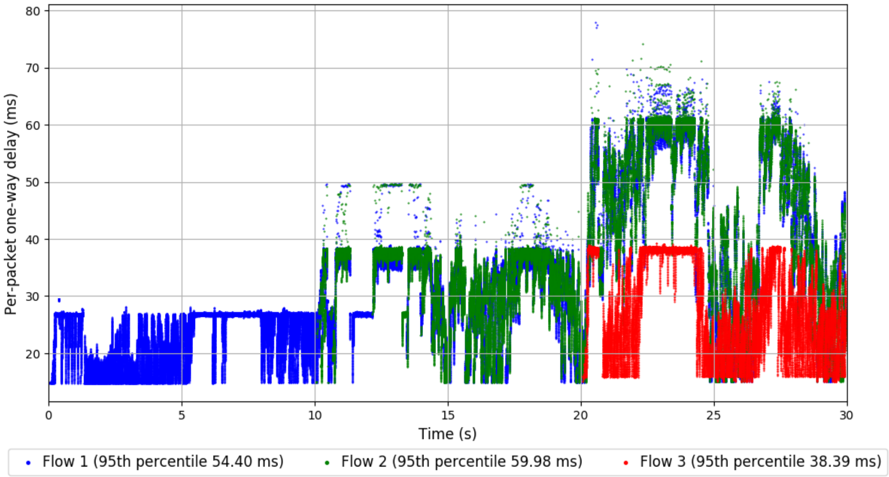
```
Run 4: Statistics of Verus

Start at: 2018-04-24 18:18:34
End at: 2018-04-24 18:19:04
Local clock offset: -0.814 ms
Remote clock offset: -6.596 ms

# Below is generated by plot.py at 2018-04-25 00:03:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.67 Mbit/s
95th percentile per-packet one-way delay: 56.219 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 52.66 Mbit/s
95th percentile per-packet one-way delay: 54.399 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 33.98 Mbit/s
95th percentile per-packet one-way delay: 59.979 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 38.390 ms
Loss rate: 0.36%
```

Run 4: Report of Verus — Data Link



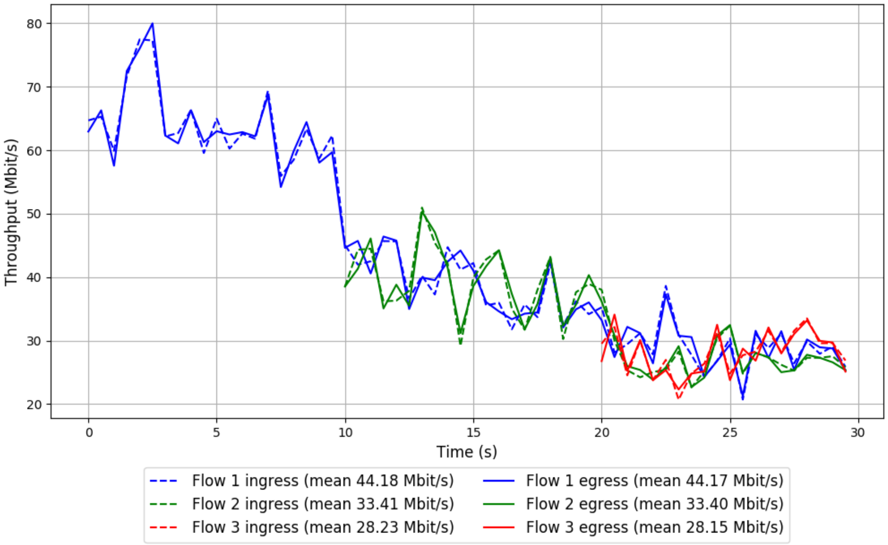


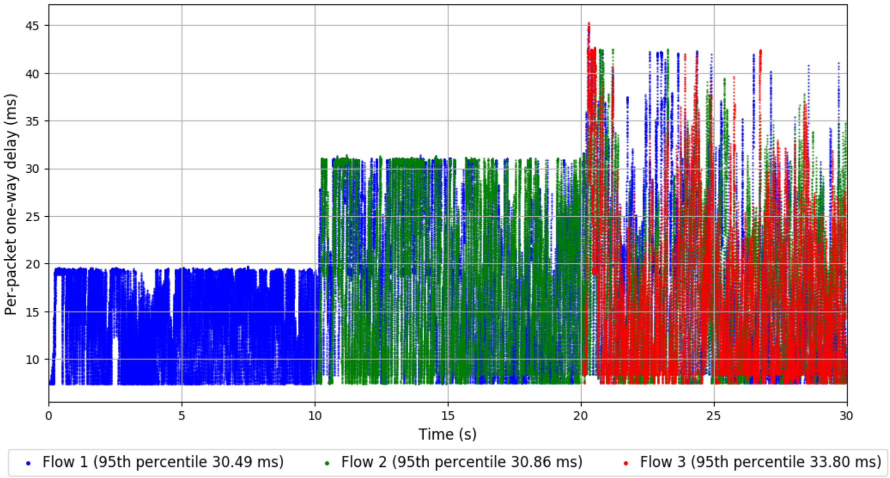
```
Run 5: Statistics of Verus

Start at: 2018-04-24 18:38:50
End at: 2018-04-24 18:39:20
Local clock offset: -13.764 ms
Remote clock offset: -6.571 ms

# Below is generated by plot.py at 2018-04-25 00:03:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.72 Mbit/s
95th percentile per-packet one-way delay: 30.733 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 44.17 Mbit/s
95th percentile per-packet one-way delay: 30.491 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 33.40 Mbit/s
95th percentile per-packet one-way delay: 30.857 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 28.15 Mbit/s
95th percentile per-packet one-way delay: 33.802 ms
Loss rate: 0.57%
```

Run 5: Report of Verus — Data Link



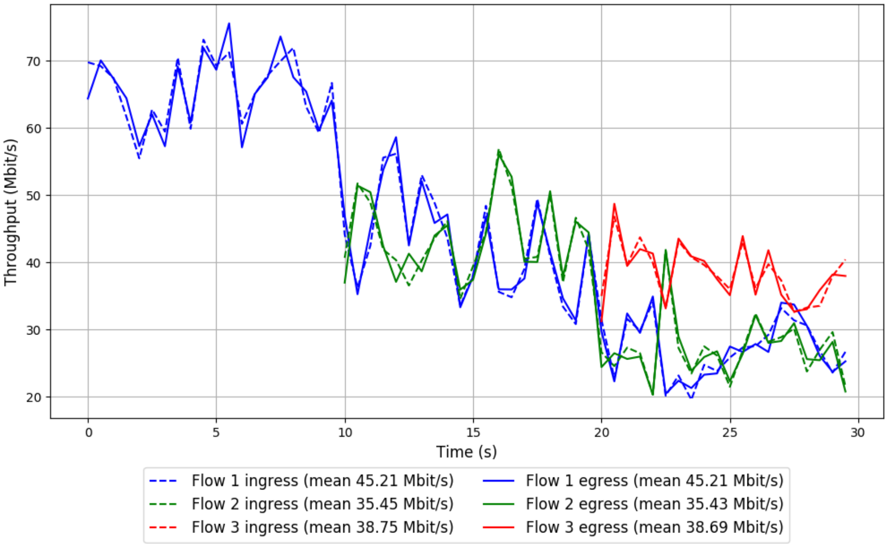


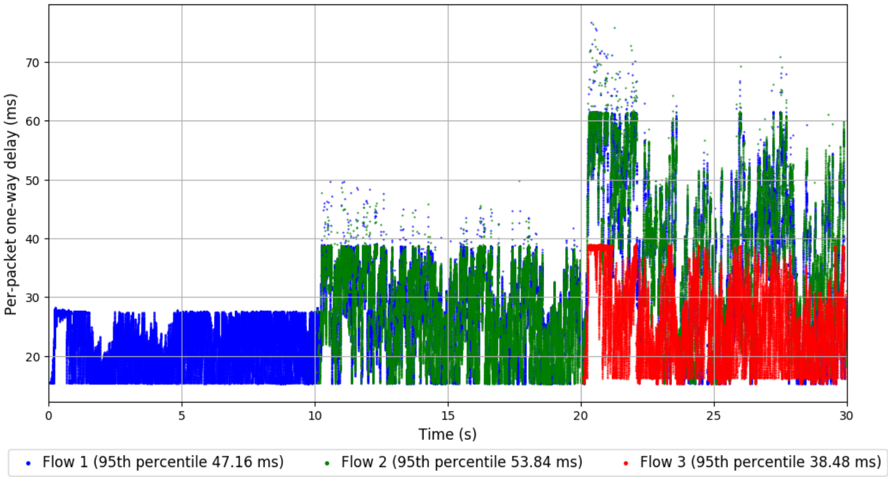
```
Run 6: Statistics of Verus

Start at: 2018-04-24 18:59:17
End at: 2018-04-24 18:59:47
Local clock offset: -4.594 ms
Remote clock offset: -10.248 ms

# Below is generated by plot.py at 2018-04-25 00:03:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.57 Mbit/s
95th percentile per-packet one-way delay: 48.618 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 45.21 Mbit/s
95th percentile per-packet one-way delay: 47.158 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 35.43 Mbit/s
95th percentile per-packet one-way delay: 53.843 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 38.69 Mbit/s
95th percentile per-packet one-way delay: 38.477 ms
Loss rate: 0.38%
```

Run 6: Report of Verus — Data Link



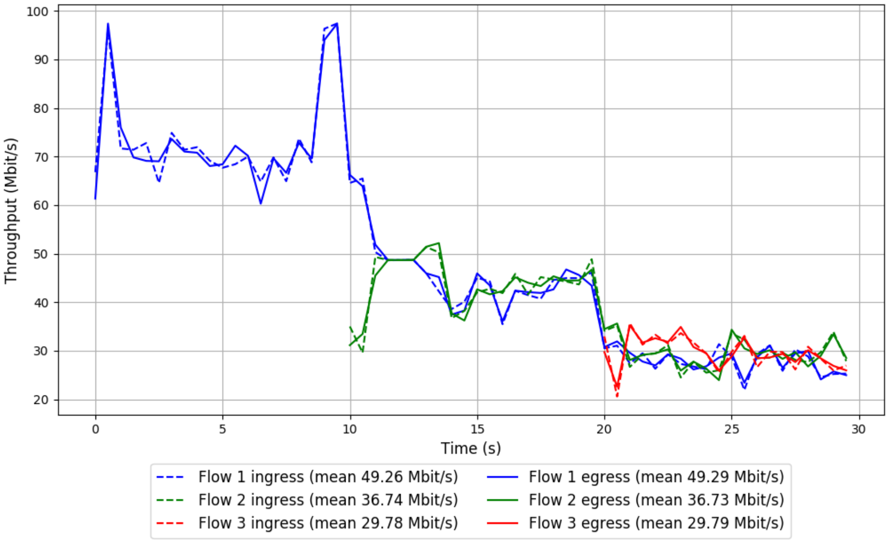


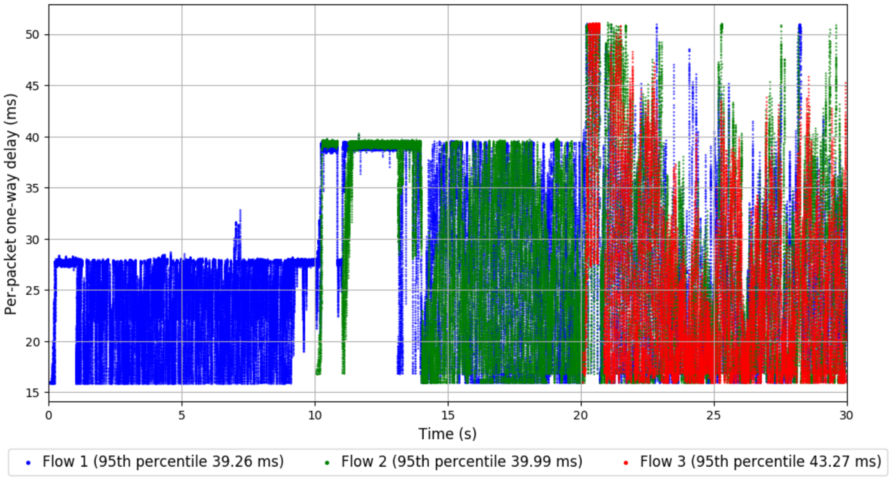
```
Run 7: Statistics of Verus

Start at: 2018-04-24 19:19:50
End at: 2018-04-24 19:20:20
Local clock offset: -3.767 ms
Remote clock offset: -8.484 ms

# Below is generated by plot.py at 2018-04-25 00:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.61 Mbit/s
95th percentile per-packet one-way delay: 39.441 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 49.29 Mbit/s
95th percentile per-packet one-way delay: 39.256 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.73 Mbit/s
95th percentile per-packet one-way delay: 39.986 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 29.79 Mbit/s
95th percentile per-packet one-way delay: 43.271 ms
Loss rate: 0.18%
```

Run 7: Report of Verus — Data Link



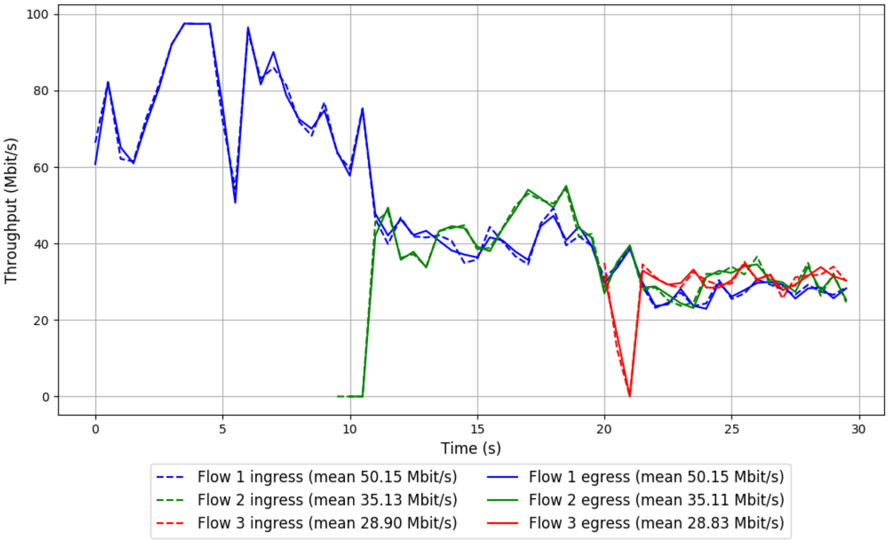


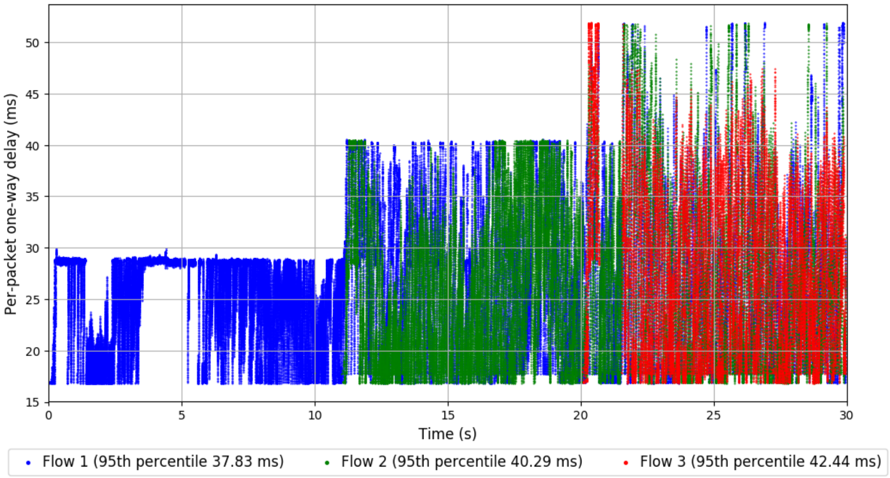
```
Run 8: Statistics of Verus

Start at: 2018-04-24 19:40:04
End at: 2018-04-24 19:40:34
Local clock offset: -4.516 ms
Remote clock offset: -7.872 ms

# Below is generated by plot.py at 2018-04-25 00:04:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: 39.767 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 37.826 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 35.11 Mbit/s
95th percentile per-packet one-way delay: 40.289 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.83 Mbit/s
95th percentile per-packet one-way delay: 42.438 ms
Loss rate: 0.40%
```

Run 8: Report of Verus — Data Link



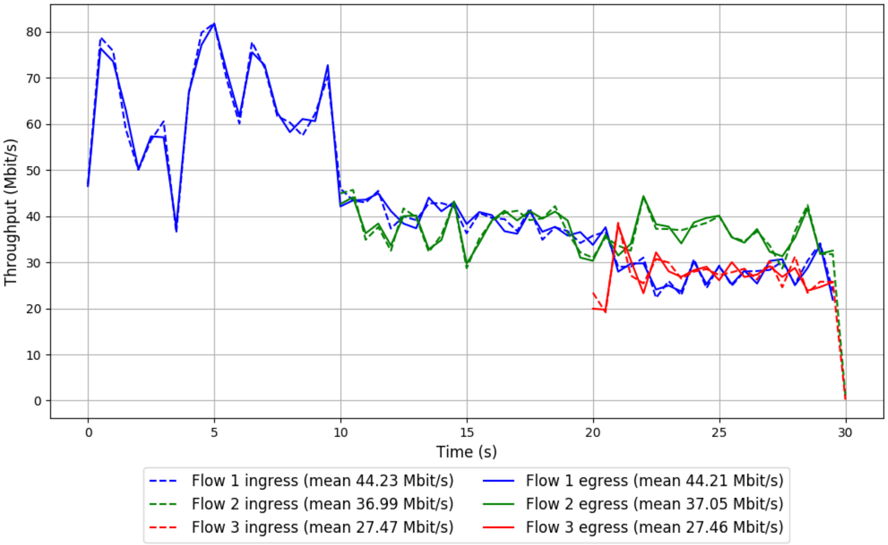


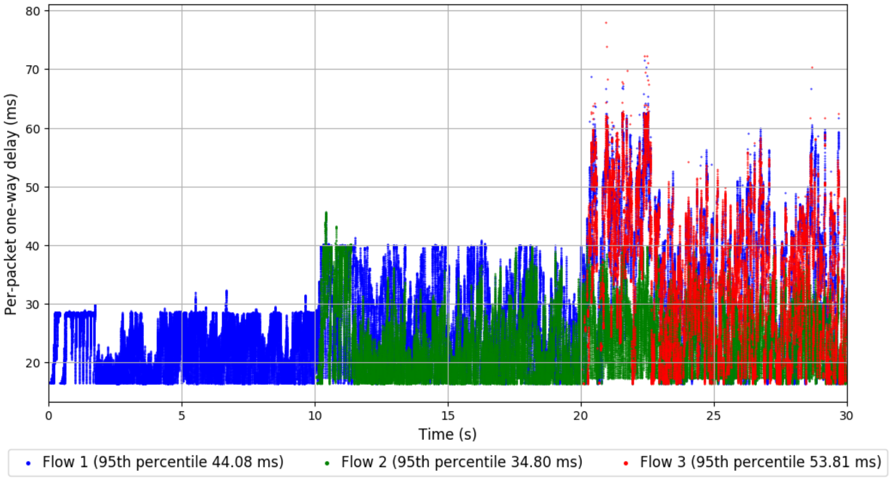
```
Run 9: Statistics of Verus

Start at: 2018-04-24 20:00:33
End at: 2018-04-24 20:01:03
Local clock offset: -2.996 ms
Remote clock offset: -7.801 ms

# Below is generated by plot.py at 2018-04-25 00:04:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.96 Mbit/s
95th percentile per-packet one-way delay: 44.667 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 44.21 Mbit/s
95th percentile per-packet one-way delay: 44.076 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 34.798 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 27.46 Mbit/s
95th percentile per-packet one-way delay: 53.813 ms
Loss rate: 0.62%
```

Run 9: Report of Verus — Data Link



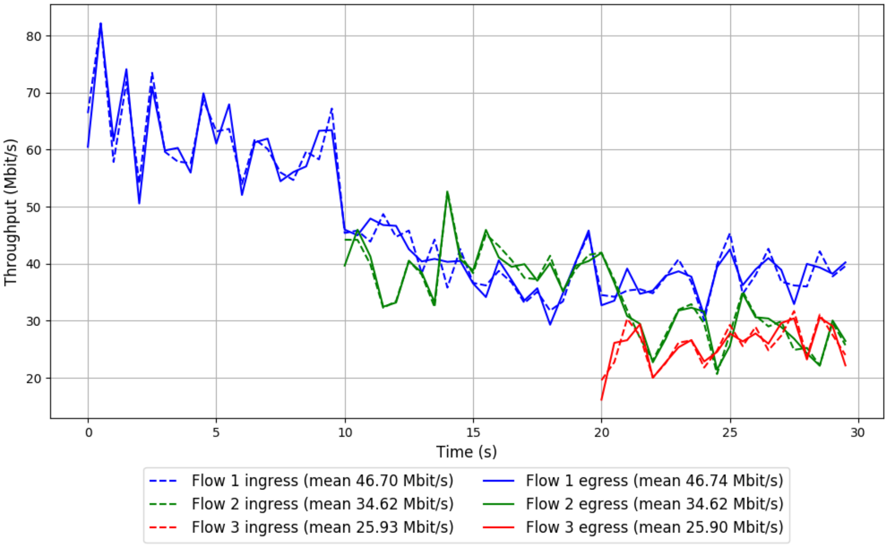


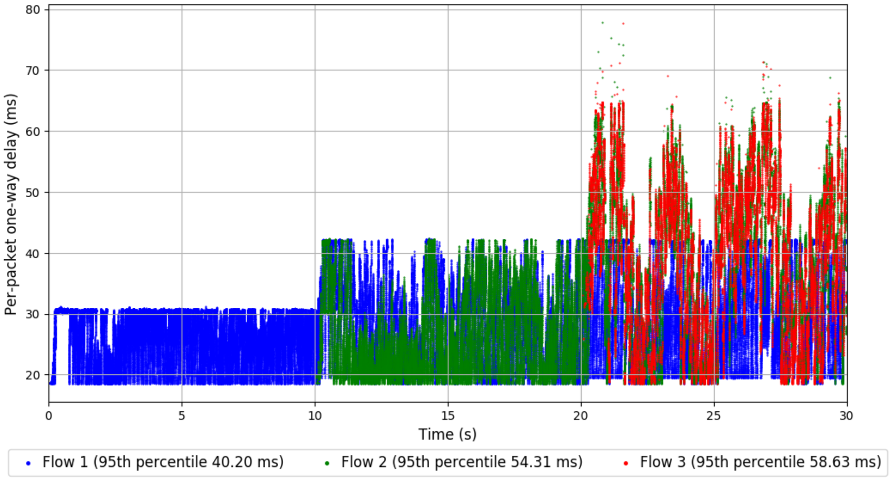
```
Run 10: Statistics of Verus

Start at: 2018-04-24 20:20:55
End at: 2018-04-24 20:21:25
Local clock offset: -1.353 ms
Remote clock offset: -9.274 ms

# Below is generated by plot.py at 2018-04-25 00:04:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.32 Mbit/s
95th percentile per-packet one-way delay: 50.085 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 46.74 Mbit/s
95th percentile per-packet one-way delay: 40.195 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 54.310 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 25.90 Mbit/s
95th percentile per-packet one-way delay: 58.631 ms
Loss rate: 0.49%
```

Run 10: Report of Verus — Data Link



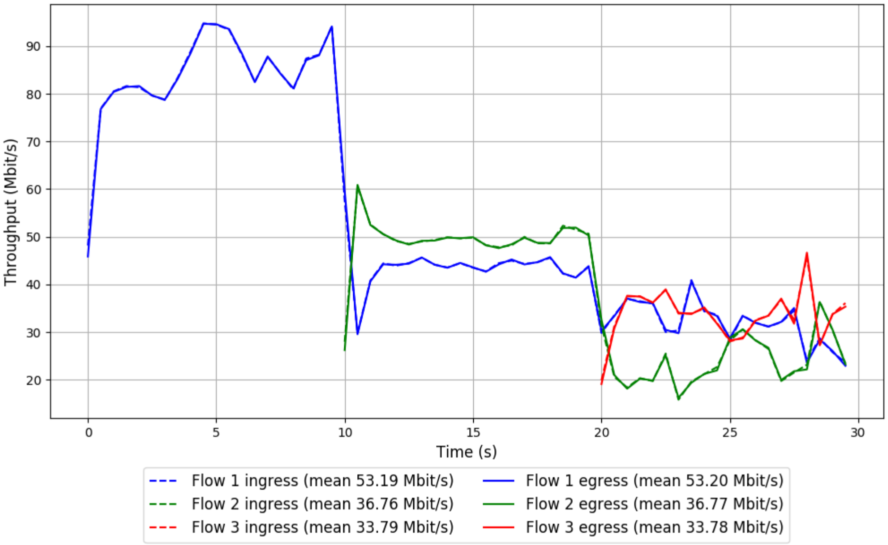


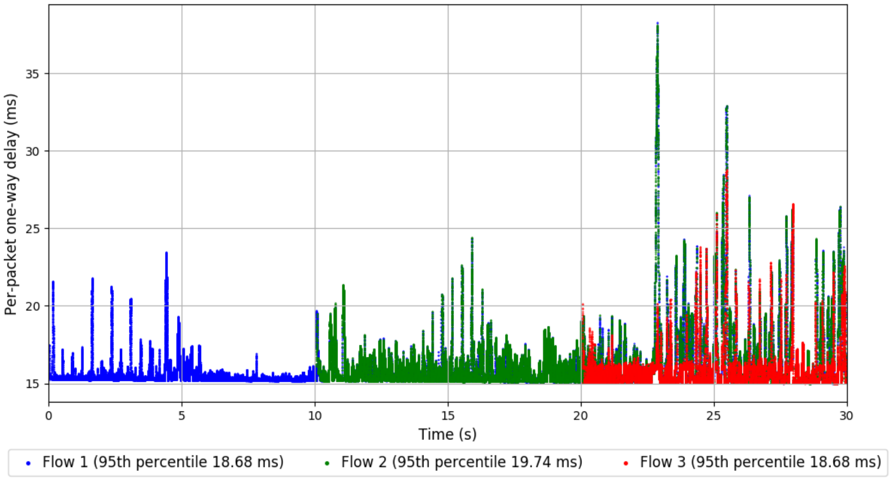
```
Run 1: Statistics of Copa

Start at: 2018-04-24 17:14:20
End at: 2018-04-24 17:14:50
Local clock offset: -0.429 ms
Remote clock offset: -10.261 ms

# Below is generated by plot.py at 2018-04-25 00:05:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.84 Mbit/s
95th percentile per-packet one-way delay: 19.034 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 53.20 Mbit/s
95th percentile per-packet one-way delay: 18.676 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 19.742 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 33.78 Mbit/s
95th percentile per-packet one-way delay: 18.679 ms
Loss rate: 0.26%
```

Run 1: Report of Copa — Data Link



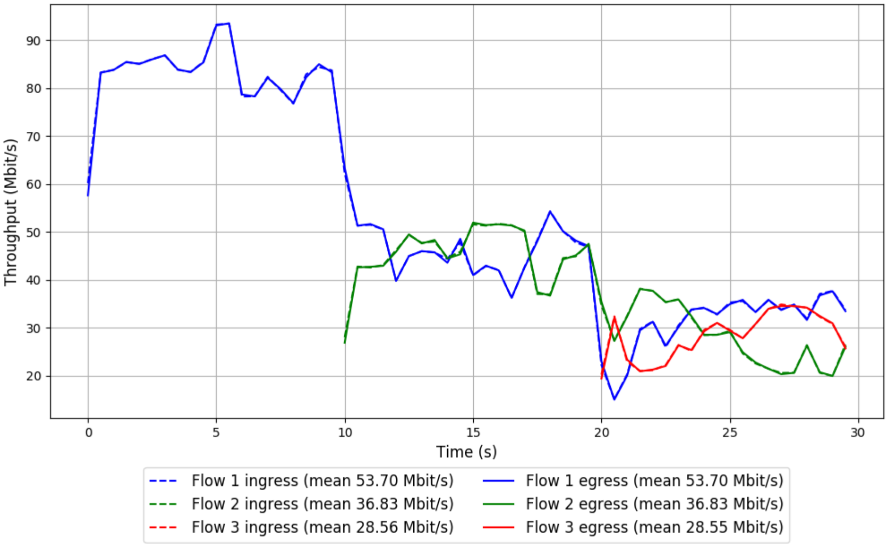


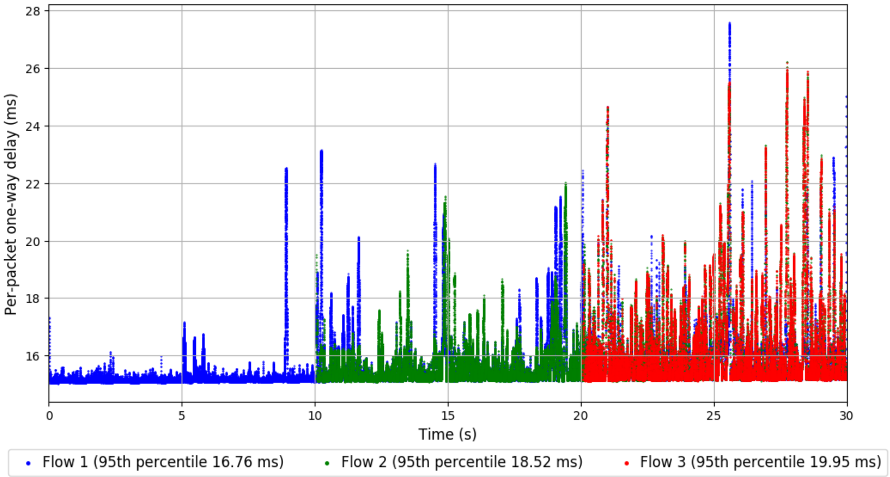
```
Run 2: Statistics of Copa

Start at: 2018-04-24 17:37:28
End at: 2018-04-24 17:37:58
Local clock offset: 5.318 ms
Remote clock offset: -9.867 ms

# Below is generated by plot.py at 2018-04-25 00:06:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.66 Mbit/s
95th percentile per-packet one-way delay: 18.051 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 53.70 Mbit/s
95th percentile per-packet one-way delay: 16.757 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 18.522 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 28.55 Mbit/s
95th percentile per-packet one-way delay: 19.952 ms
Loss rate: 0.25%
```

Run 2: Report of Copa — Data Link



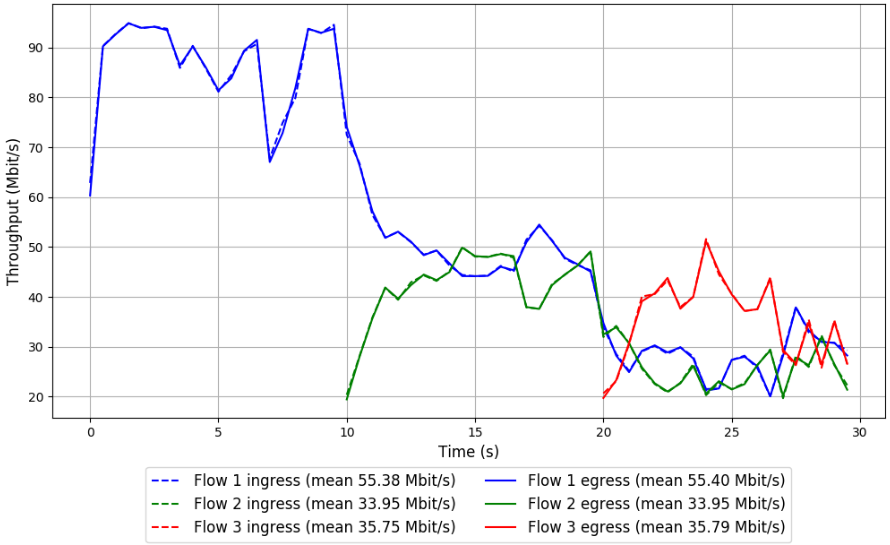


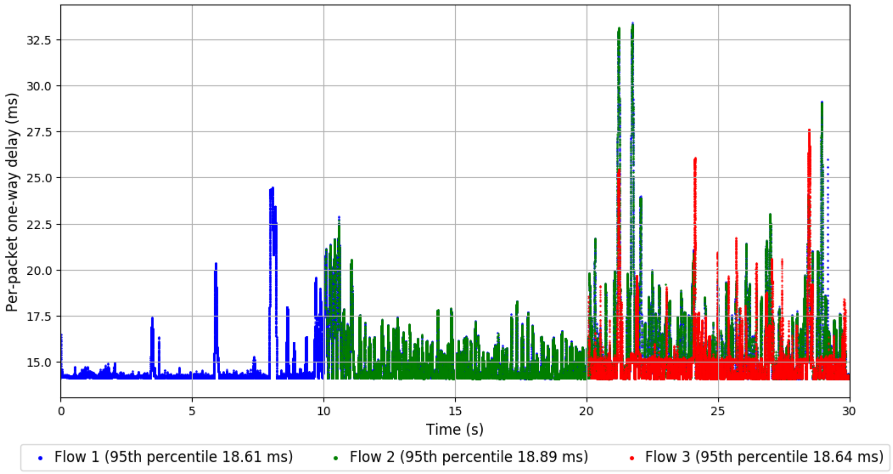
```
Run 3: Statistics of Copa

Start at: 2018-04-24 17:59:00
End at: 2018-04-24 17:59:30
Local clock offset: 8.379 ms
Remote clock offset: -6.365 ms

# Below is generated by plot.py at 2018-04-25 00:06:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 18.693 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 55.40 Mbit/s
95th percentile per-packet one-way delay: 18.612 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 18.892 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 35.79 Mbit/s
95th percentile per-packet one-way delay: 18.641 ms
Loss rate: 0.15%
```

Run 3: Report of Copa — Data Link



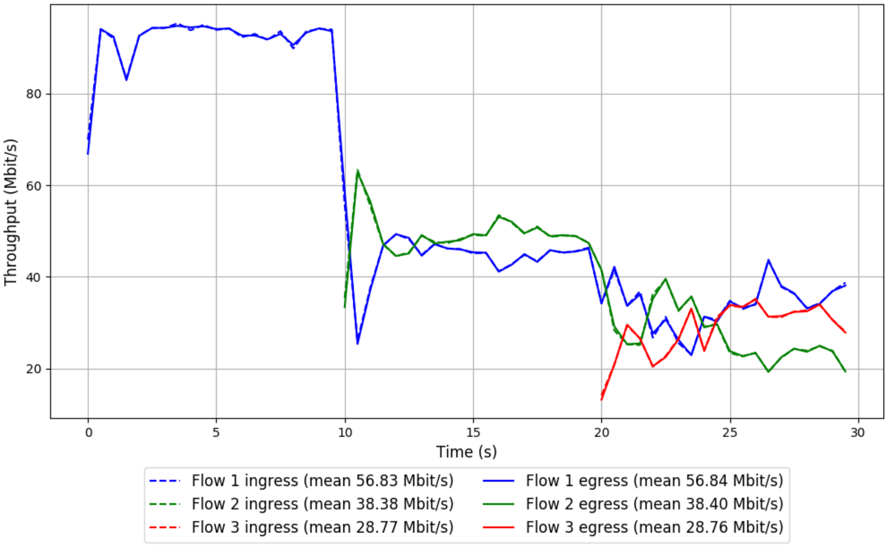


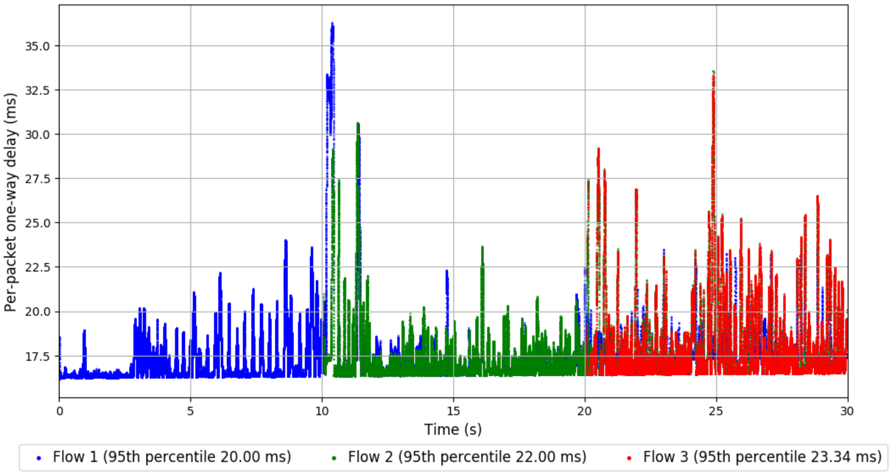
```
Run 4: Statistics of Copa

Start at: 2018-04-24 18:19:48
End at: 2018-04-24 18:20:18
Local clock offset: -1.231 ms
Remote clock offset: -7.843 ms

# Below is generated by plot.py at 2018-04-25 00:06:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 21.055 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 56.84 Mbit/s
95th percentile per-packet one-way delay: 19.999 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.40 Mbit/s
95th percentile per-packet one-way delay: 22.001 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 28.76 Mbit/s
95th percentile per-packet one-way delay: 23.338 ms
Loss rate: 0.27%
```

Run 4: Report of Copa — Data Link



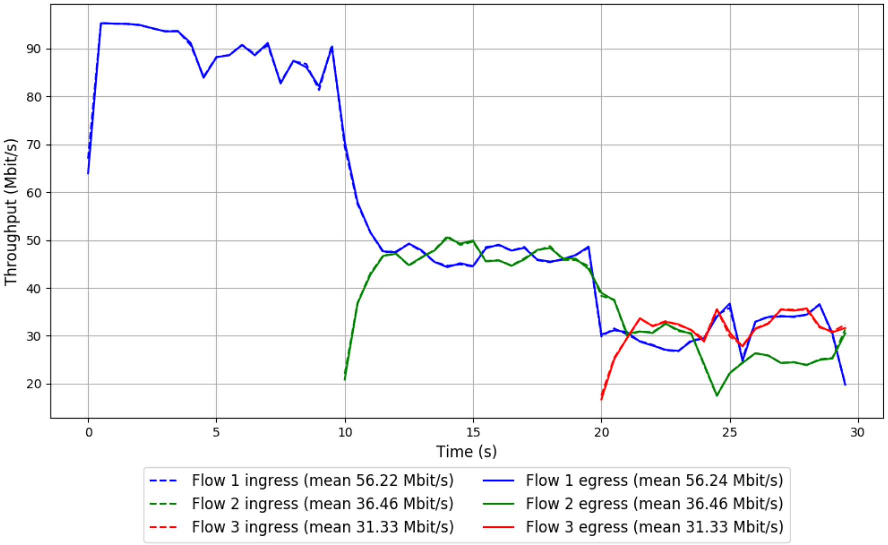


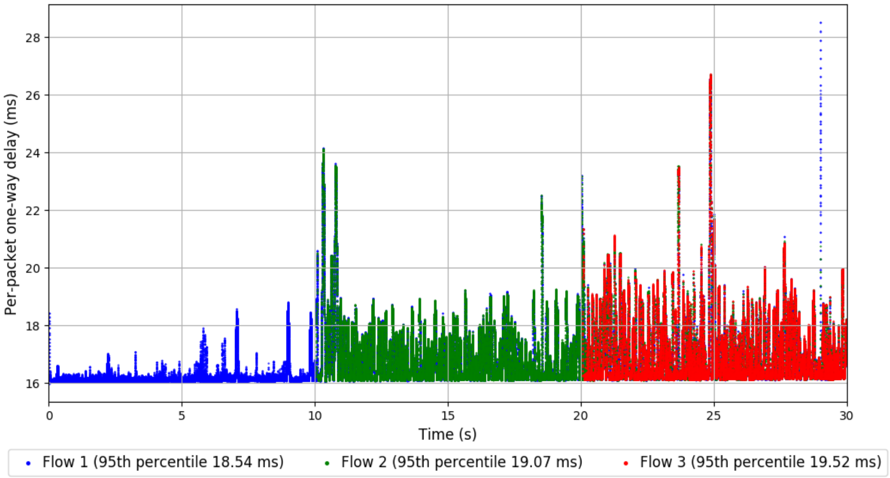
```
Run 5: Statistics of Copa

Start at: 2018-04-24 18:40:04
End at: 2018-04-24 18:40:34
Local clock offset: -6.685 ms
Remote clock offset: -7.957 ms

# Below is generated by plot.py at 2018-04-25 00:06:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 18.867 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: 18.538 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.46 Mbit/s
95th percentile per-packet one-way delay: 19.068 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 19.516 ms
Loss rate: 0.29%
```

Run 5: Report of Copa — Data Link



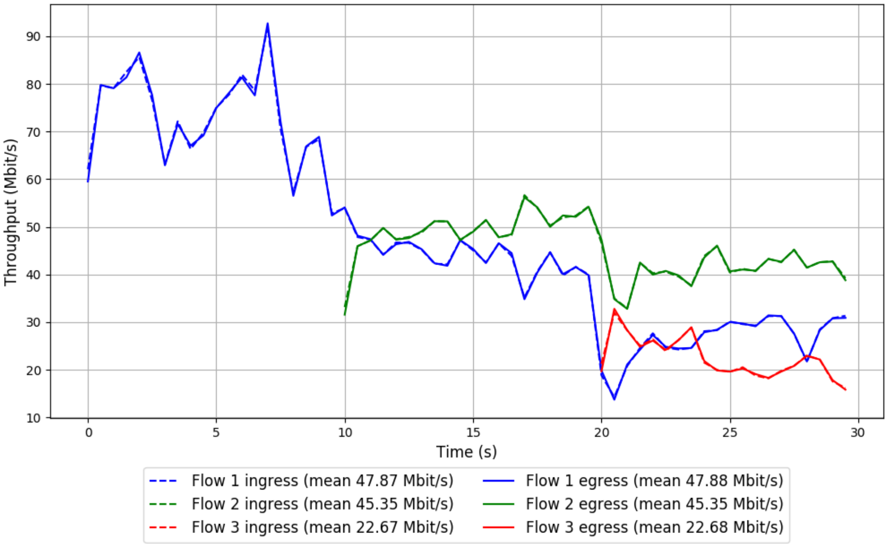


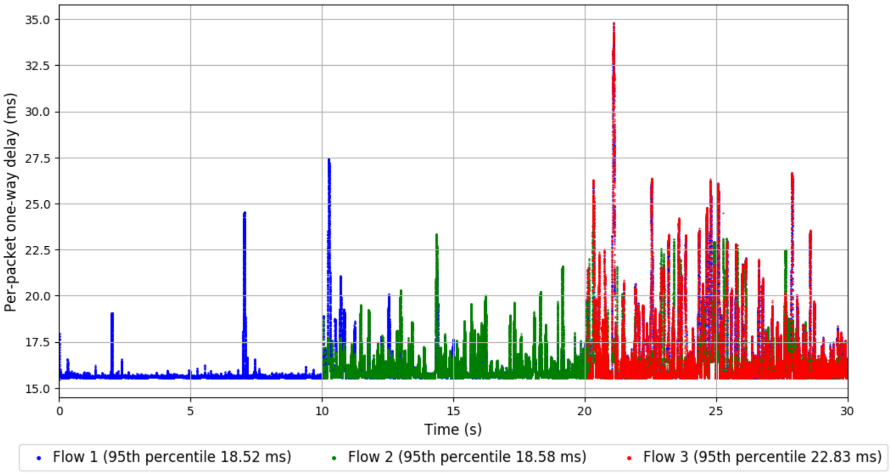
```
Run 6: Statistics of Copa

Start at: 2018-04-24 19:00:31
End at: 2018-04-24 19:01:01
Local clock offset: -4.136 ms
Remote clock offset: -10.099 ms

# Below is generated by plot.py at 2018-04-25 00:06:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.57 Mbit/s
95th percentile per-packet one-way delay: 19.148 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 47.88 Mbit/s
95th percentile per-packet one-way delay: 18.515 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 45.35 Mbit/s
95th percentile per-packet one-way delay: 18.584 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 22.68 Mbit/s
95th percentile per-packet one-way delay: 22.833 ms
Loss rate: 0.20%
```

Run 6: Report of Copa — Data Link



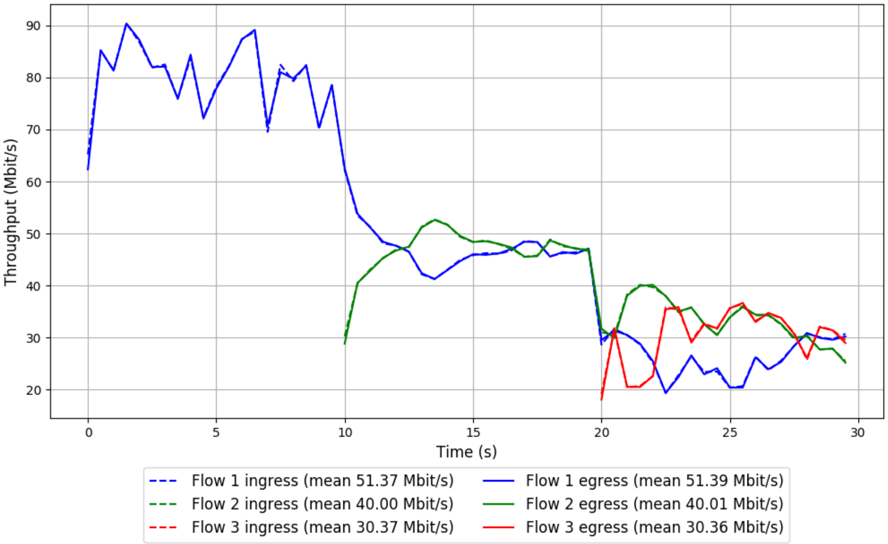


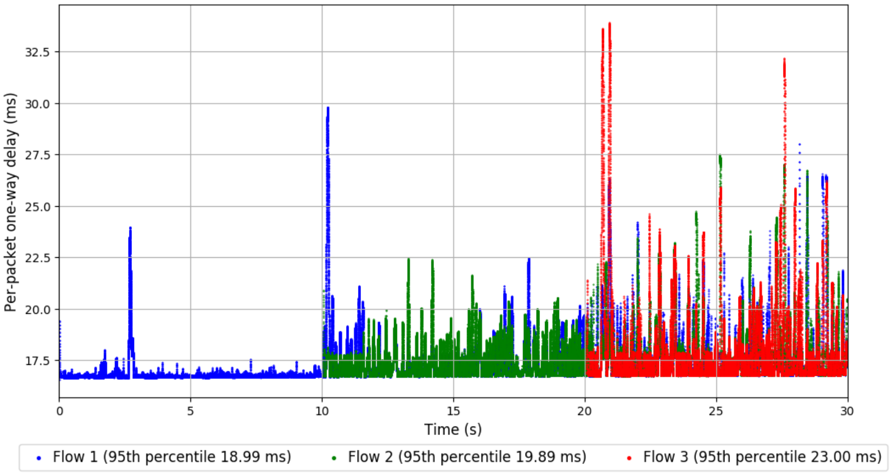
```
Run 7: Statistics of Copa

Start at: 2018-04-24 19:21:04
End at: 2018-04-24 19:21:34
Local clock offset: -3.649 ms
Remote clock offset: -8.905 ms

# Below is generated by plot.py at 2018-04-25 00:06:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.07 Mbit/s
95th percentile per-packet one-way delay: 19.807 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 51.39 Mbit/s
95th percentile per-packet one-way delay: 18.988 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.01 Mbit/s
95th percentile per-packet one-way delay: 19.894 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 22.995 ms
Loss rate: 0.28%
```

Run 7: Report of Copa — Data Link



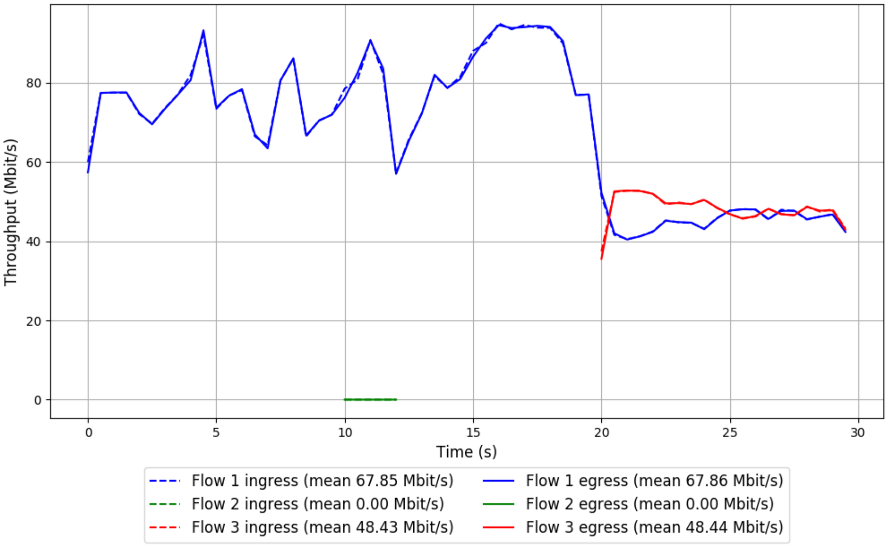


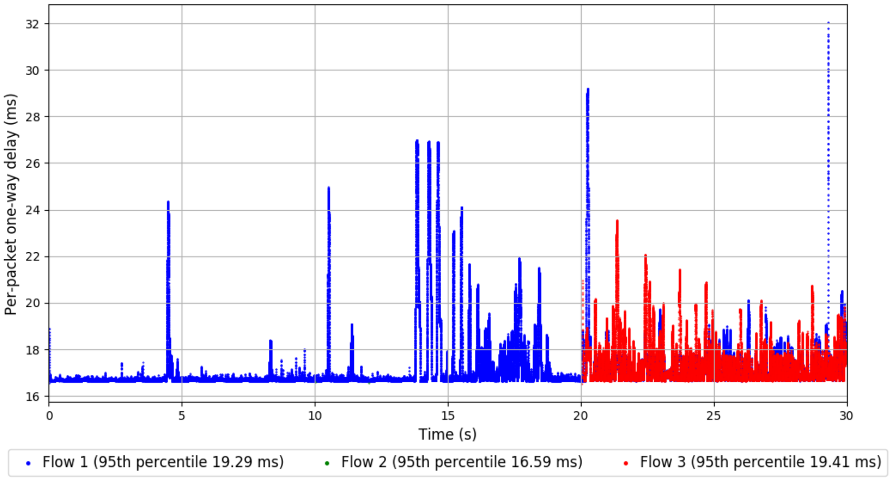
```
Run 8: Statistics of Copa

Start at: 2018-04-24 19:41:16
End at: 2018-04-24 19:41:46
Local clock offset: -4.134 ms
Remote clock offset: -7.235 ms

# Below is generated by plot.py at 2018-04-25 00:06:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.91 Mbit/s
95th percentile per-packet one-way delay: 19.336 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 67.86 Mbit/s
95th percentile per-packet one-way delay: 19.288 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 16.592 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 19.412 ms
Loss rate: 0.22%
```

Run 8: Report of Copa — Data Link



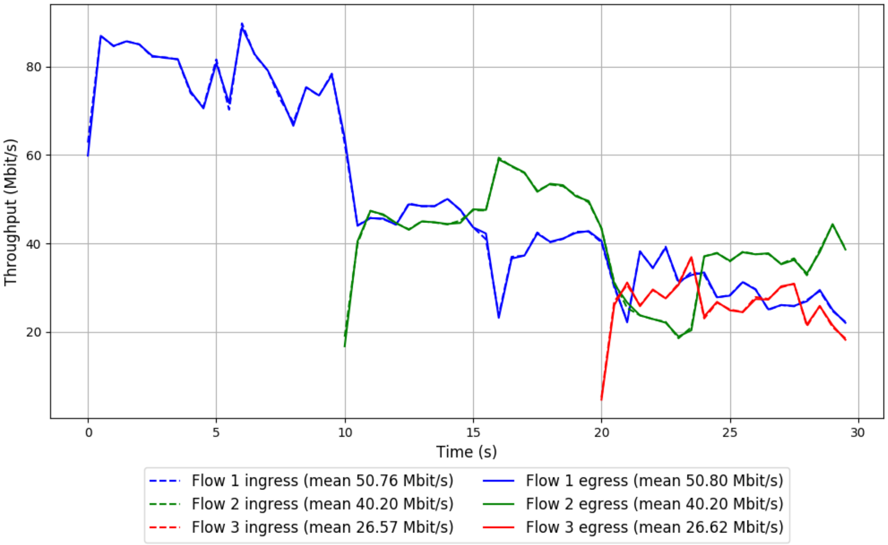


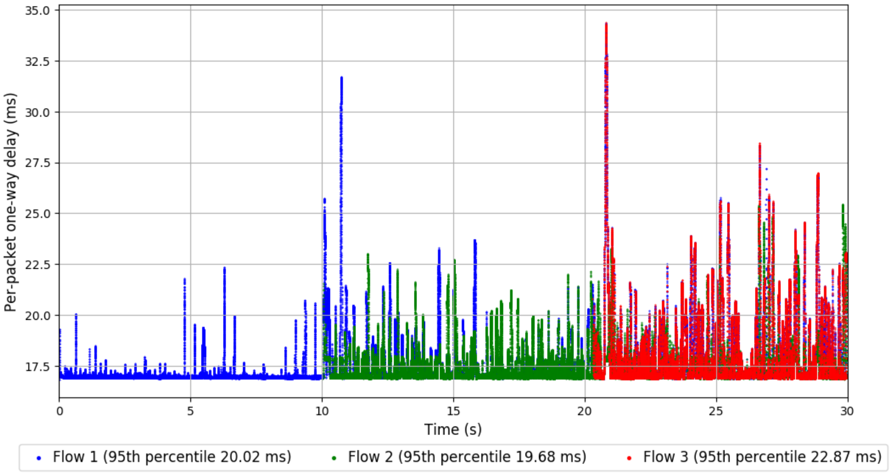
```
Run 9: Statistics of Copa

Start at: 2018-04-24 20:01:48
End at: 2018-04-24 20:02:18
Local clock offset: -3.019 ms
Remote clock offset: -8.37 ms

# Below is generated by plot.py at 2018-04-25 00:08:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 20.341 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 50.80 Mbit/s
95th percentile per-packet one-way delay: 20.021 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 19.683 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 26.62 Mbit/s
95th percentile per-packet one-way delay: 22.866 ms
Loss rate: 0.17%
```

Run 9: Report of Copa — Data Link



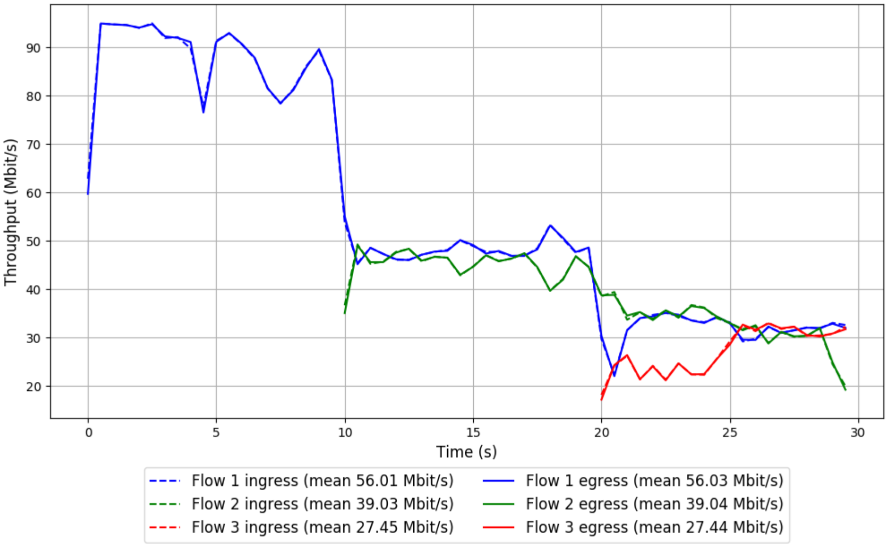


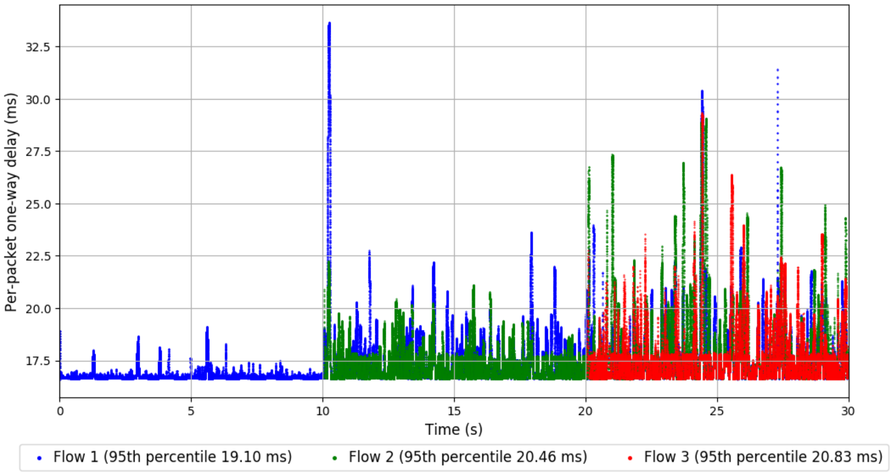
```
Run 10: Statistics of Copa

Start at: 2018-04-24 20:22:06
End at: 2018-04-24 20:22:36
Local clock offset: -2.502 ms
Remote clock offset: -8.572 ms

# Below is generated by plot.py at 2018-04-25 00:08:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.07 Mbit/s
95th percentile per-packet one-way delay: 19.810 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.03 Mbit/s
95th percentile per-packet one-way delay: 19.099 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 20.465 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 27.44 Mbit/s
95th percentile per-packet one-way delay: 20.833 ms
Loss rate: 0.30%
```

Run 10: Report of Copa — Data Link



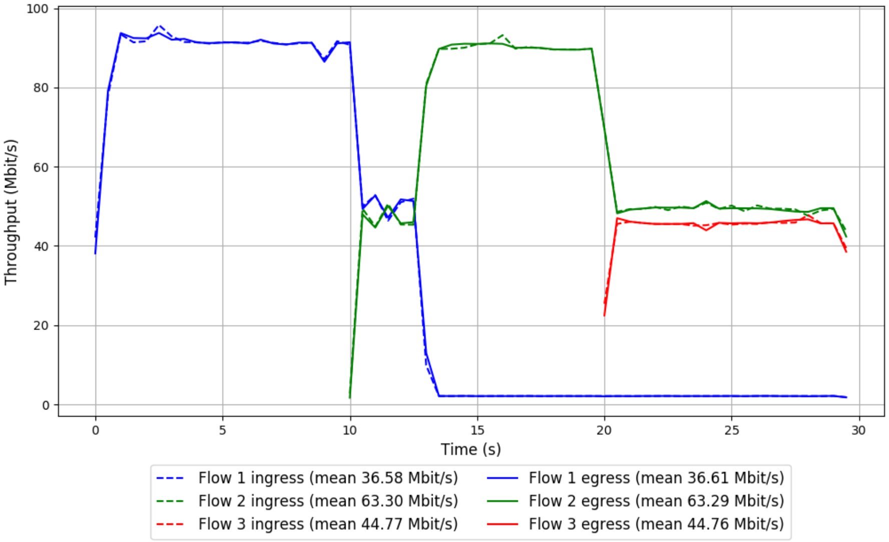


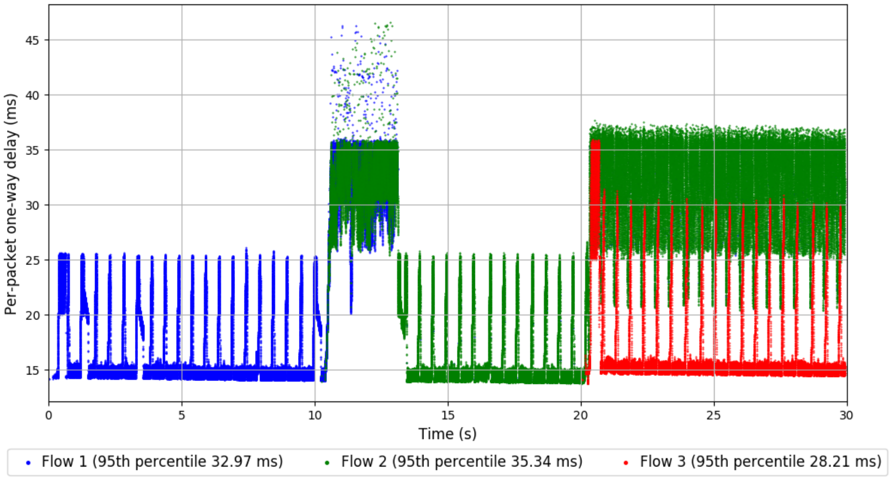
```
Run 1: Statistics of FillP

Start at: 2018-04-24 17:01:22
End at: 2018-04-24 17:01:52
Local clock offset: -10.265 ms
Remote clock offset: -7.765 ms

# Below is generated by plot.py at 2018-04-25 00:08:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: 34.588 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 36.61 Mbit/s
95th percentile per-packet one-way delay: 32.965 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 63.29 Mbit/s
95th percentile per-packet one-way delay: 35.341 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 44.76 Mbit/s
95th percentile per-packet one-way delay: 28.213 ms
Loss rate: 0.27%
```

Run 1: Report of FillP — Data Link



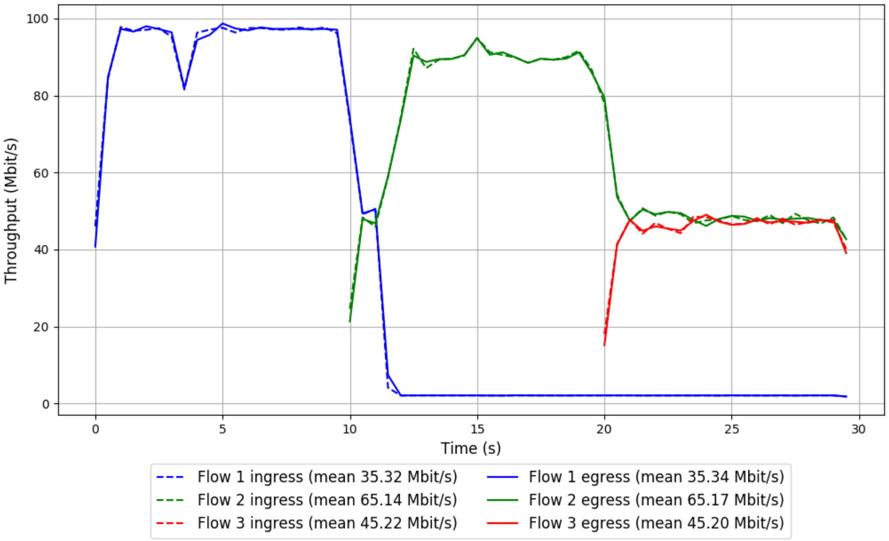


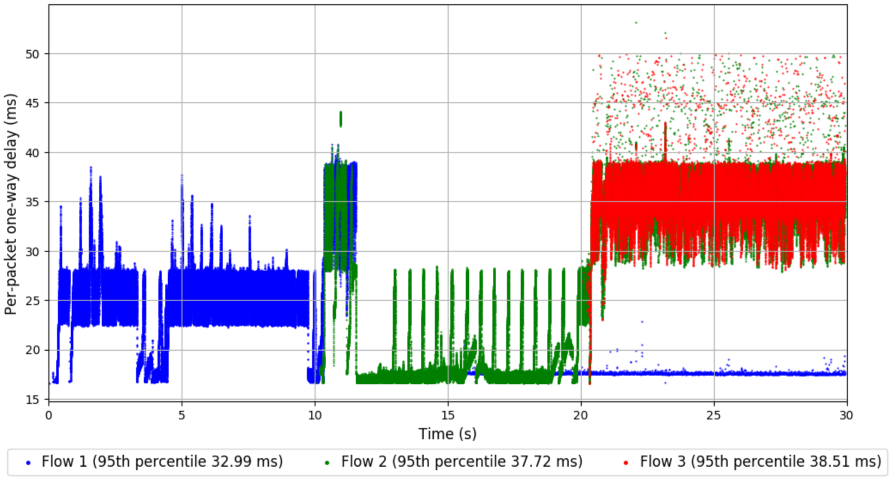
```
Run 2: Statistics of FillP

Start at: 2018-04-24 17:24:11
End at: 2018-04-24 17:24:41
Local clock offset: -1.979 ms
Remote clock offset: -17.358 ms

# Below is generated by plot.py at 2018-04-25 00:08:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 37.680 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 35.34 Mbit/s
95th percentile per-packet one-way delay: 32.987 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.17 Mbit/s
95th percentile per-packet one-way delay: 37.720 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 45.20 Mbit/s
95th percentile per-packet one-way delay: 38.505 ms
Loss rate: 0.46%
```

Run 2: Report of FillP — Data Link



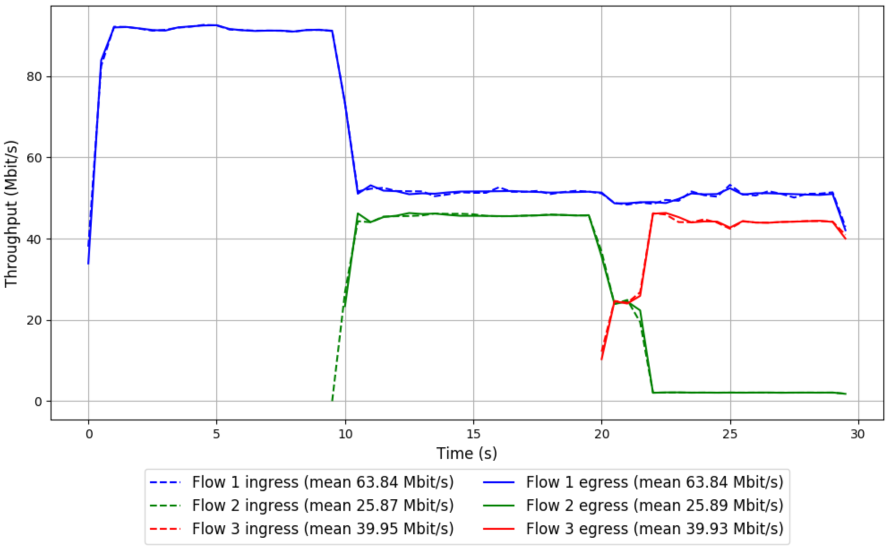


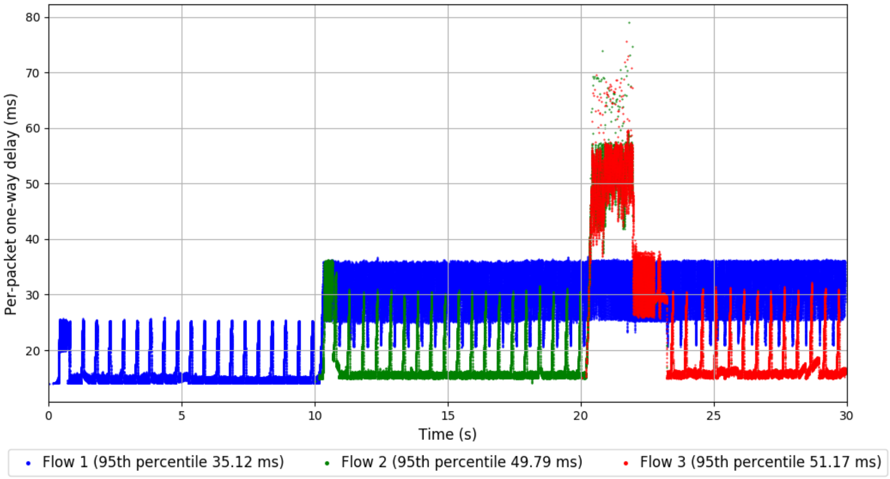
```
Run 3: Statistics of FillP

Start at: 2018-04-24 17:46:13
End at: 2018-04-24 17:46:43
Local clock offset: 5.119 ms
Remote clock offset: -8.466 ms

# Below is generated by plot.py at 2018-04-25 00:08:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 35.486 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 63.84 Mbit/s
95th percentile per-packet one-way delay: 35.123 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 25.89 Mbit/s
95th percentile per-packet one-way delay: 49.791 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 39.93 Mbit/s
95th percentile per-packet one-way delay: 51.171 ms
Loss rate: 0.30%
```

Run 3: Report of FillP — Data Link



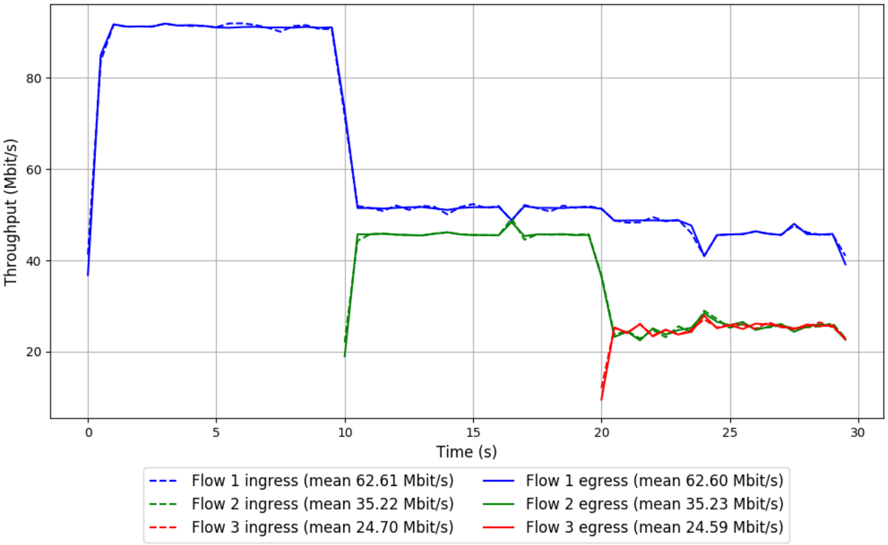


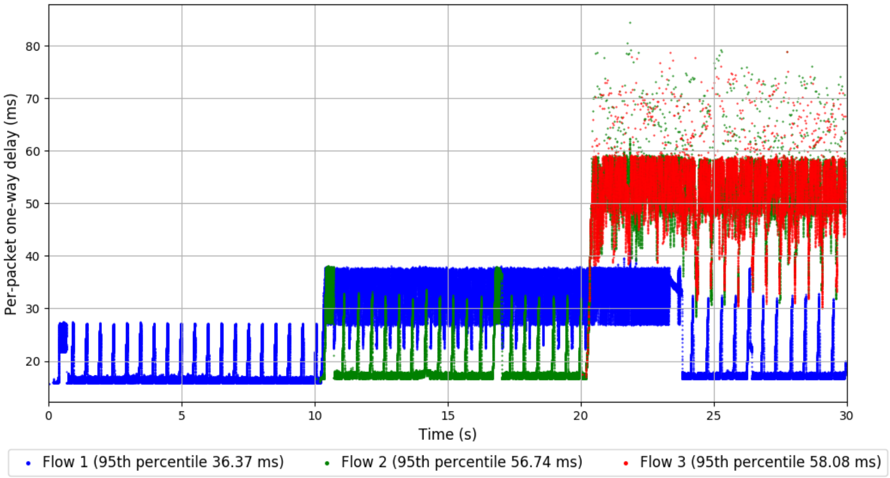
```
Run 4: Statistics of FillP

Start at: 2018-04-24 18:07:40
End at: 2018-04-24 18:08:10
Local clock offset: 10.525 ms
Remote clock offset: -7.022 ms

# Below is generated by plot.py at 2018-04-25 00:08:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 55.126 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 62.60 Mbit/s
95th percentile per-packet one-way delay: 36.365 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 35.23 Mbit/s
95th percentile per-packet one-way delay: 56.738 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 58.080 ms
Loss rate: 0.61%
```

Run 4: Report of FillP — Data Link



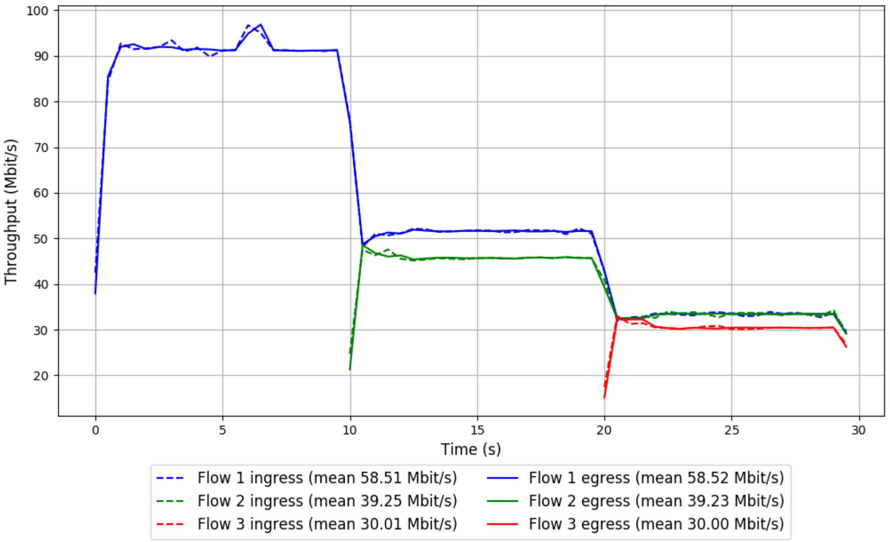


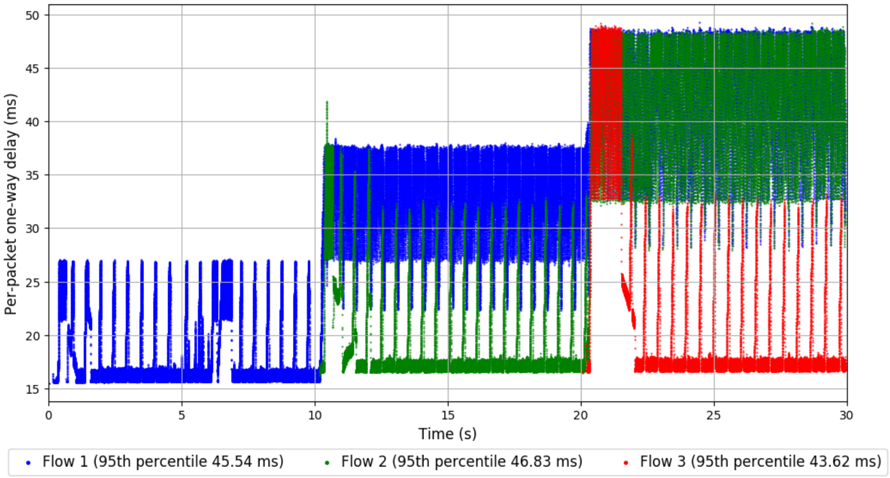
```
Run 5: Statistics of FillP

Start at: 2018-04-24 18:28:11
End at: 2018-04-24 18:28:41
Local clock offset: -4.419 ms
Remote clock offset: -7.175 ms

# Below is generated by plot.py at 2018-04-25 00:08:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.56 Mbit/s
95th percentile per-packet one-way delay: 46.043 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 58.52 Mbit/s
95th percentile per-packet one-way delay: 45.540 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 46.829 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 43.617 ms
Loss rate: 0.27%
```

Run 5: Report of FillP — Data Link



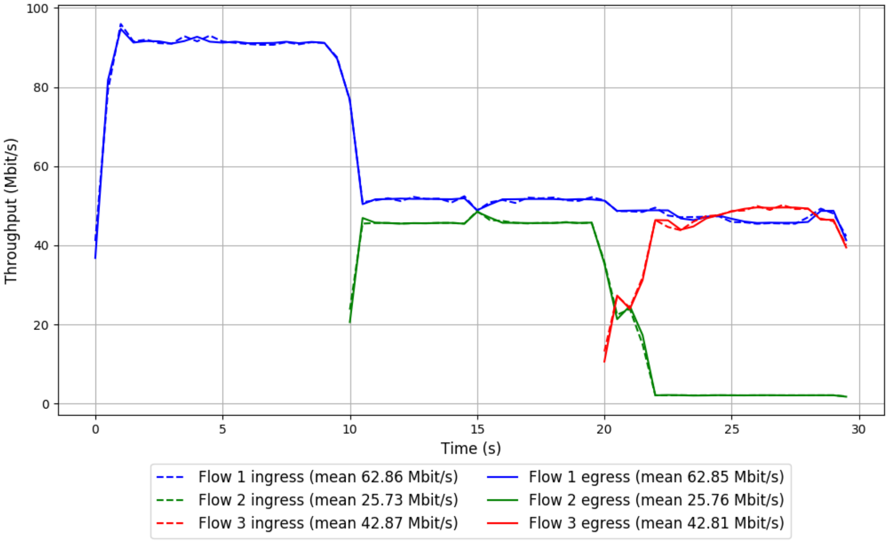


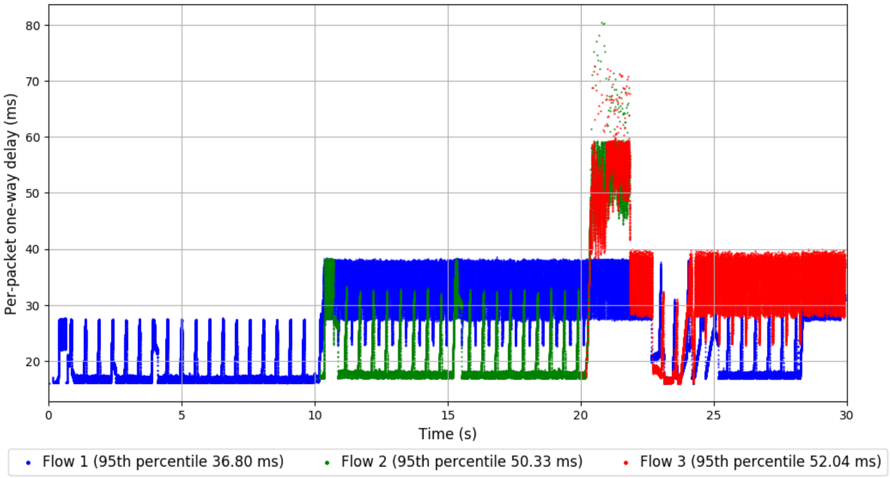
```
Run 6: Statistics of FillP

Start at: 2018-04-24 18:48:32
End at: 2018-04-24 18:49:02
Local clock offset: -4.832 ms
Remote clock offset: -9.105 ms

# Below is generated by plot.py at 2018-04-25 00:08:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 37.693 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 62.85 Mbit/s
95th percentile per-packet one-way delay: 36.801 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 25.76 Mbit/s
95th percentile per-packet one-way delay: 50.331 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 42.81 Mbit/s
95th percentile per-packet one-way delay: 52.041 ms
Loss rate: 0.43%
```

Run 6: Report of FillP — Data Link



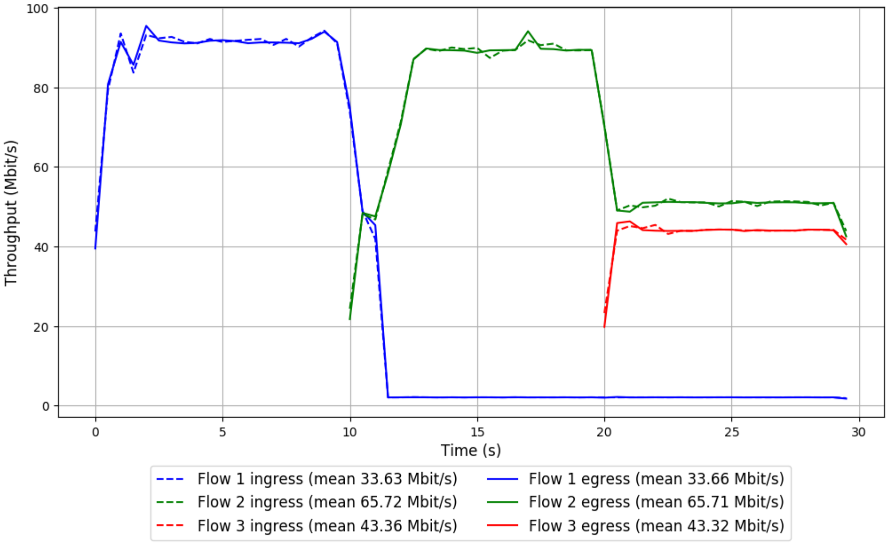


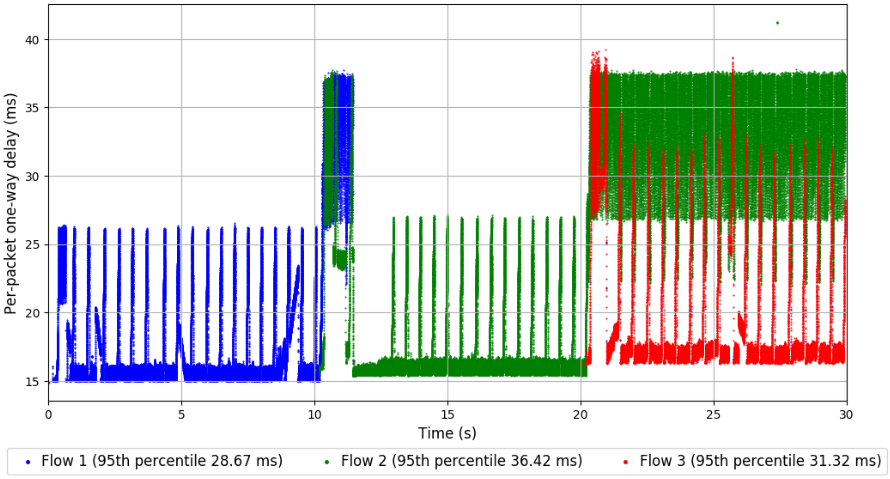
```
Run 7: Statistics of FillP

Start at: 2018-04-24 19:09:13
End at: 2018-04-24 19:09:43
Local clock offset: -4.42 ms
Remote clock offset: -9.911 ms

# Below is generated by plot.py at 2018-04-25 00:09:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 35.576 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 33.66 Mbit/s
95th percentile per-packet one-way delay: 28.674 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 65.71 Mbit/s
95th percentile per-packet one-way delay: 36.425 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 43.32 Mbit/s
95th percentile per-packet one-way delay: 31.319 ms
Loss rate: 0.32%
```

Run 7: Report of FillP — Data Link



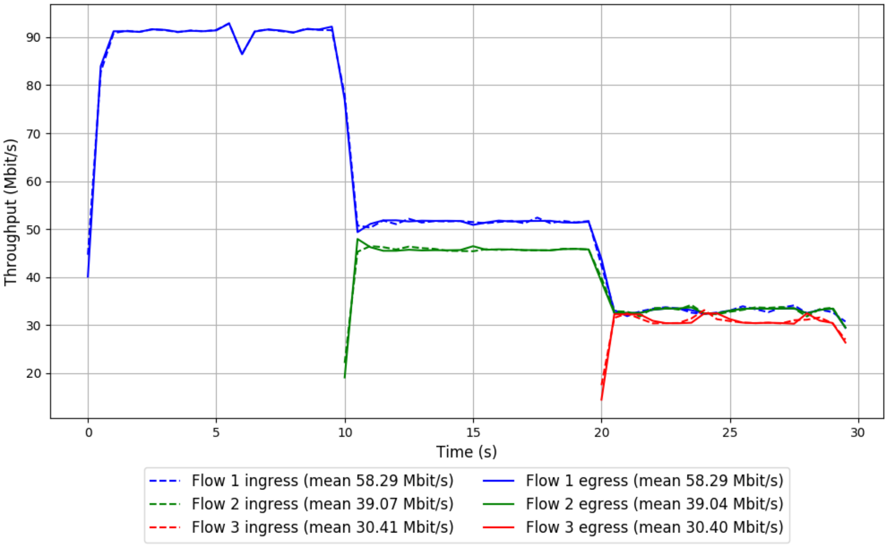


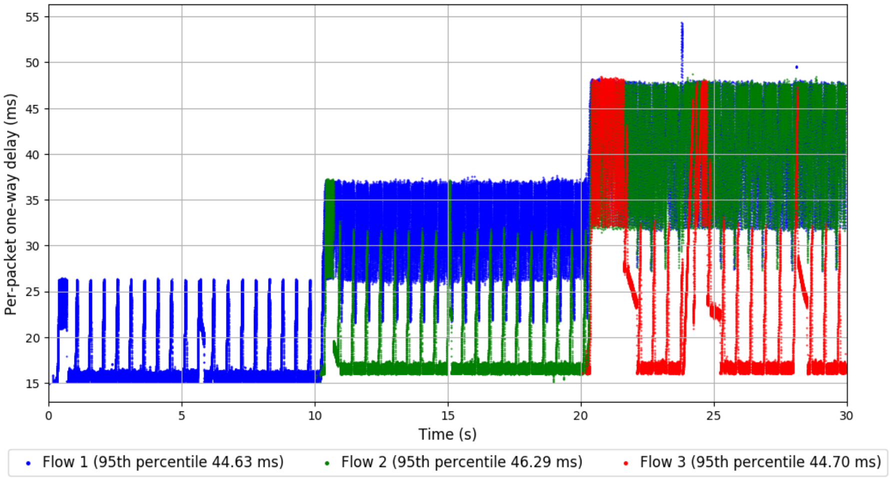
```
Run 8: Statistics of FillP

Start at: 2018-04-24 19:29:20
End at: 2018-04-24 19:29:50
Local clock offset: -4.208 ms
Remote clock offset: -6.691 ms

# Below is generated by plot.py at 2018-04-25 00:09:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.32 Mbit/s
95th percentile per-packet one-way delay: 45.423 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 44.631 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 46.293 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 44.696 ms
Loss rate: 0.27%
```

Run 8: Report of FillP — Data Link



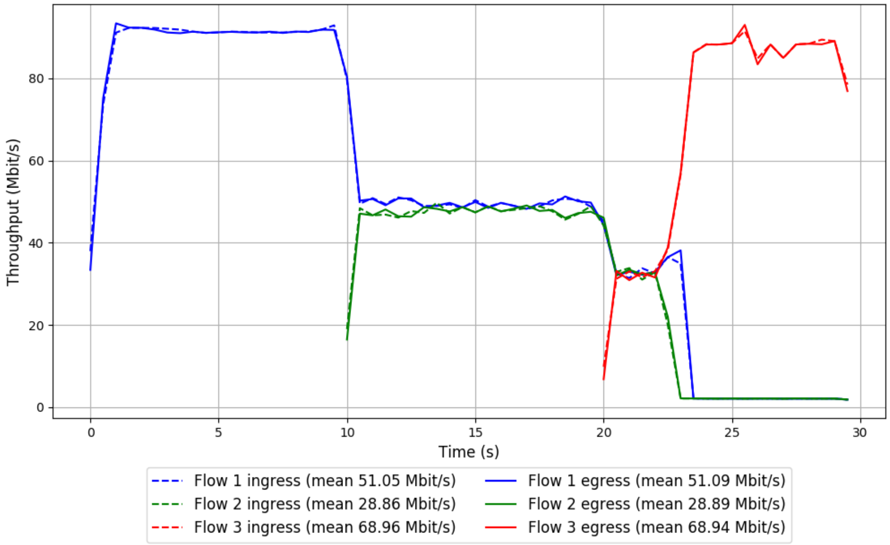


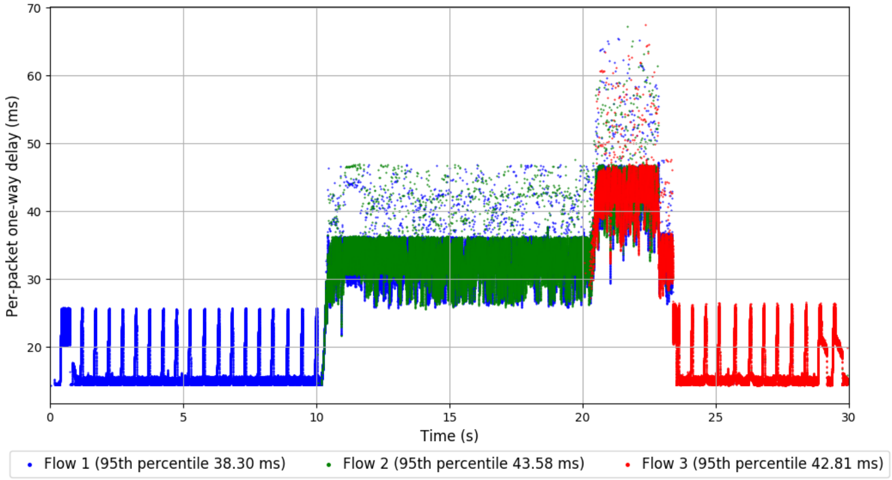
```
Run 9: Statistics of FillP

Start at: 2018-04-24 19:49:47
End at: 2018-04-24 19:50:17
Local clock offset: -5.388 ms
Remote clock offset: -5.963 ms

# Below is generated by plot.py at 2018-04-25 00:09:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 41.941 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 51.09 Mbit/s
95th percentile per-packet one-way delay: 38.303 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.89 Mbit/s
95th percentile per-packet one-way delay: 43.577 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 68.94 Mbit/s
95th percentile per-packet one-way delay: 42.811 ms
Loss rate: 0.40%
```

Run 9: Report of FillP — Data Link



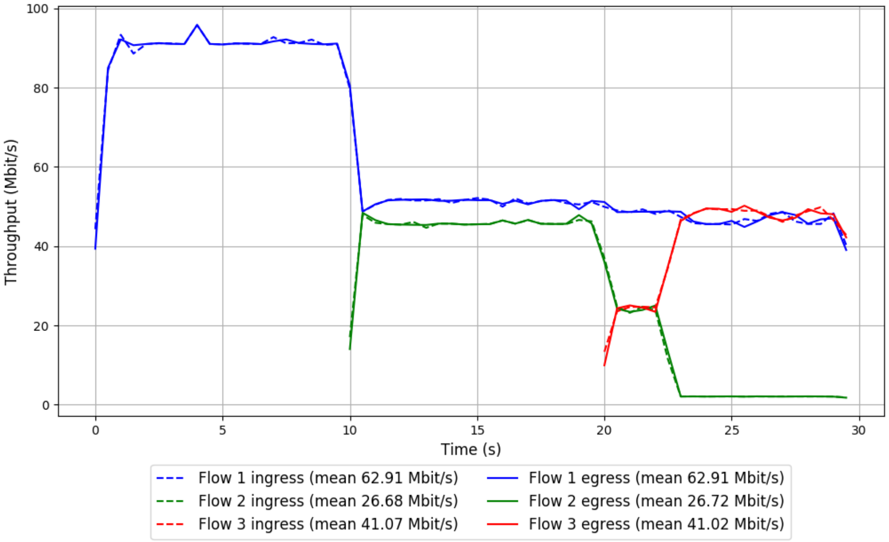


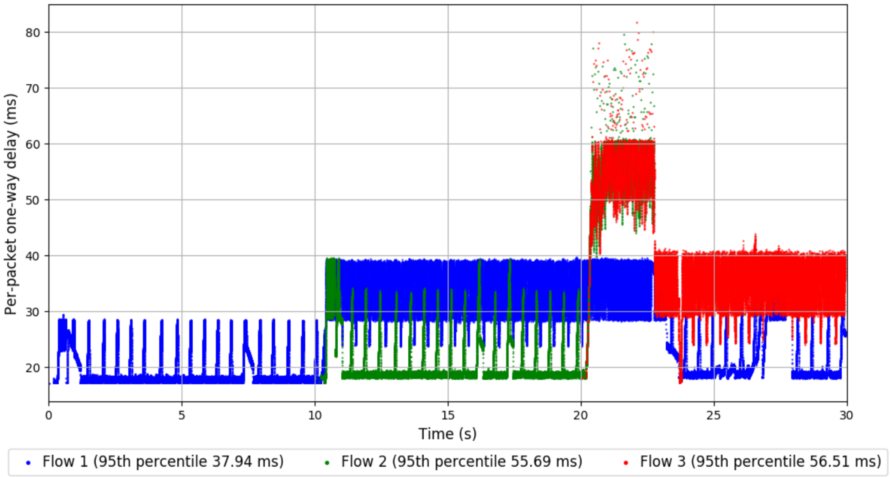
```
Run 10: Statistics of FillP

Start at: 2018-04-24 20:10:24
End at: 2018-04-24 20:10:54
Local clock offset: -2.268 ms
Remote clock offset: -8.549 ms

# Below is generated by plot.py at 2018-04-25 00:09:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.25 Mbit/s
95th percentile per-packet one-way delay: 39.551 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 37.937 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 26.72 Mbit/s
95th percentile per-packet one-way delay: 55.693 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 41.02 Mbit/s
95th percentile per-packet one-way delay: 56.512 ms
Loss rate: 0.47%
```

Run 10: Report of FillP — Data Link



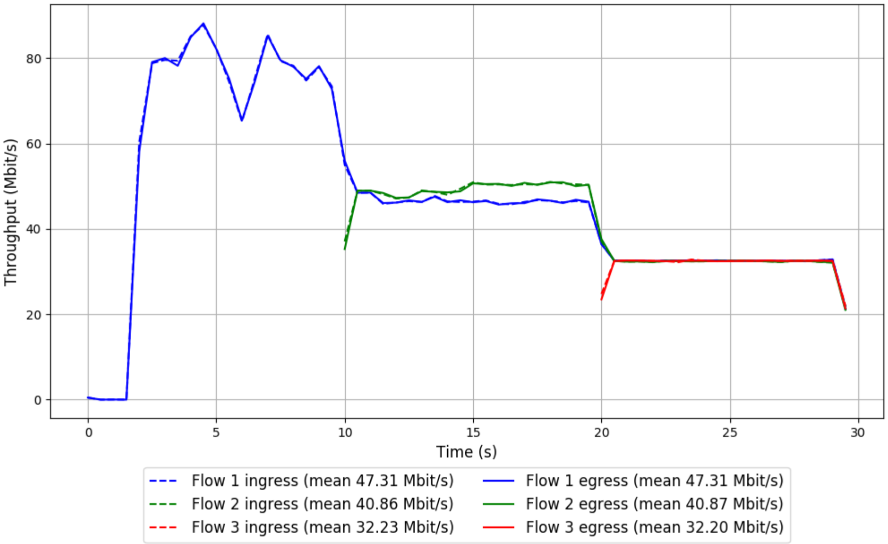


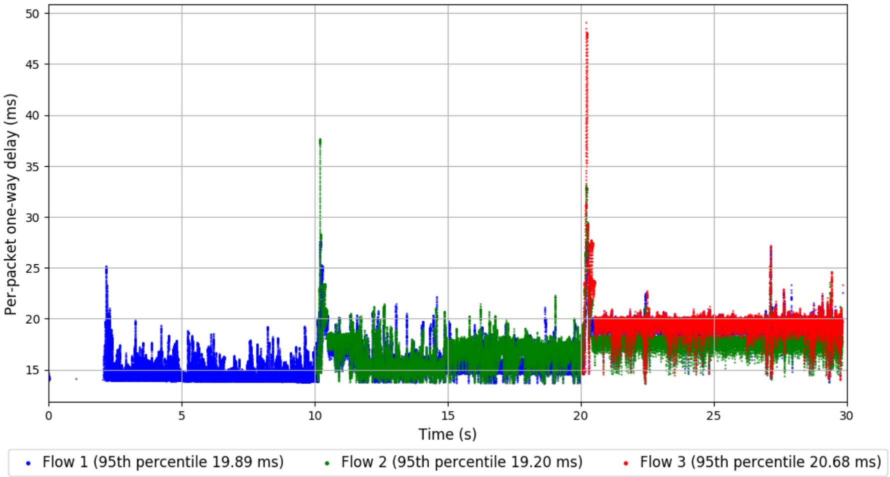
```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-24 17:05:05
End at: 2018-04-24 17:05:35
Local clock offset: -5.509 ms
Remote clock offset: -7.494 ms

# Below is generated by plot.py at 2018-04-25 00:09:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 19.979 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 47.31 Mbit/s
95th percentile per-packet one-way delay: 19.885 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.87 Mbit/s
95th percentile per-packet one-way delay: 19.195 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 20.679 ms
Loss rate: 0.29%
```

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



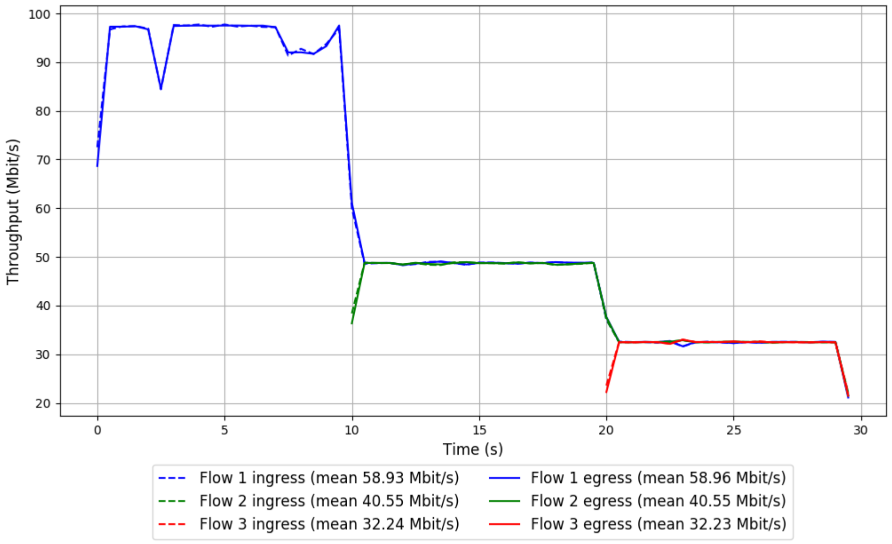


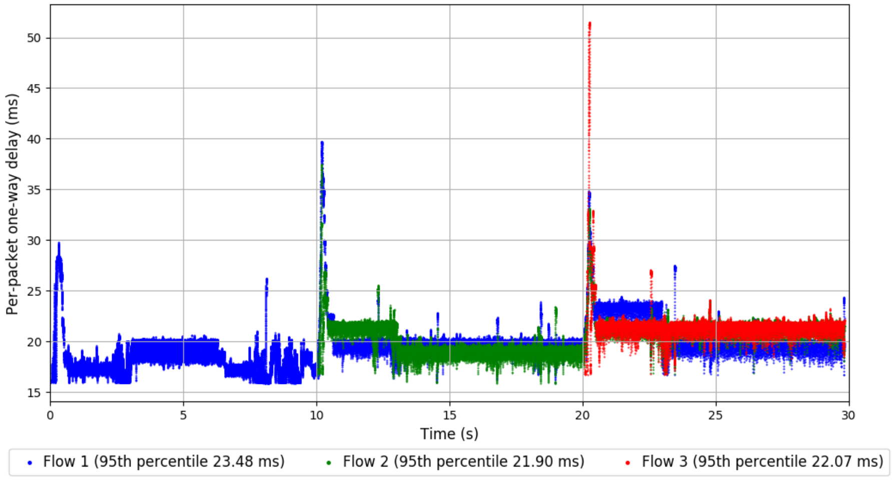
```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-24 17:28:24
End at: 2018-04-24 17:28:54
Local clock offset: 4.031 ms
Remote clock offset: -11.852 ms

# Below is generated by plot.py at 2018-04-25 00:09:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: 23.247 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 23.481 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 21.903 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 22.072 ms
Loss rate: 0.30%
```

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



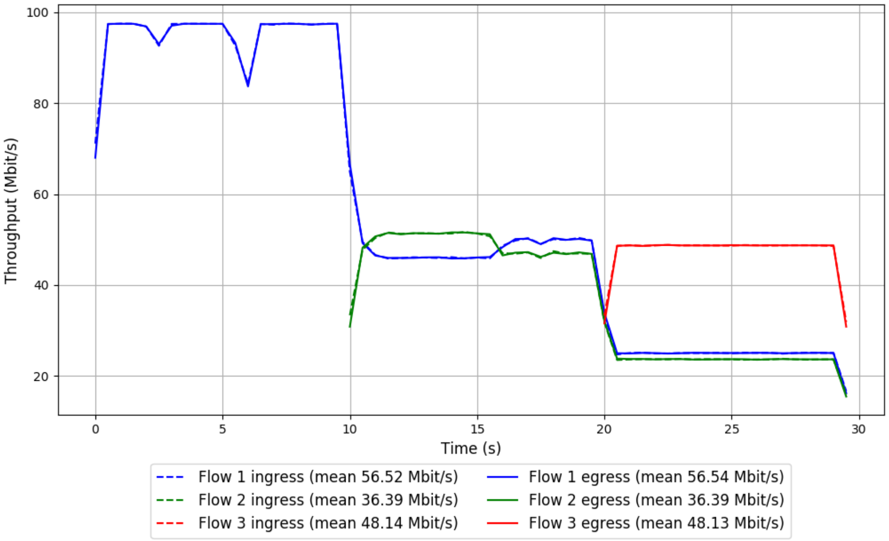


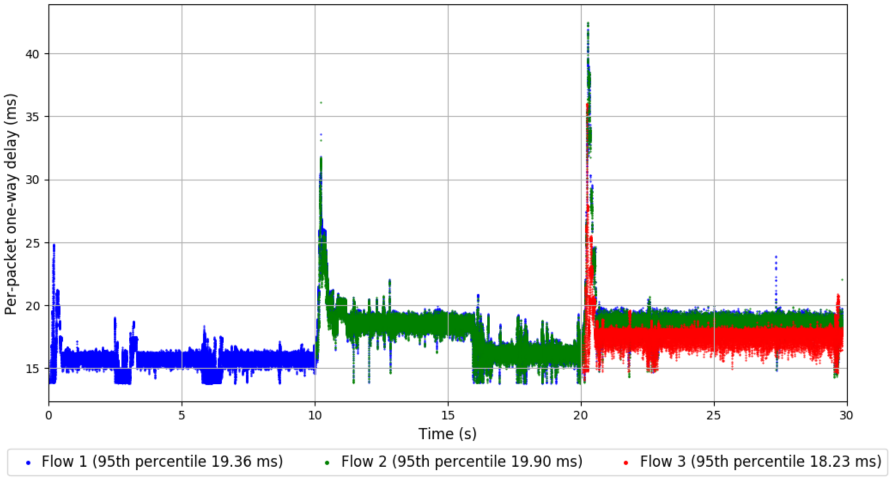
```
Run 3: Statistics of Indigo-1-32

Start at: 2018-04-24 17:49:44
End at: 2018-04-24 17:50:14
Local clock offset: 5.411 ms
Remote clock offset: -8.121 ms

# Below is generated by plot.py at 2018-04-25 00:09:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 19.408 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 19.360 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.39 Mbit/s
95th percentile per-packet one-way delay: 19.901 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 48.13 Mbit/s
95th percentile per-packet one-way delay: 18.231 ms
Loss rate: 0.28%
```

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



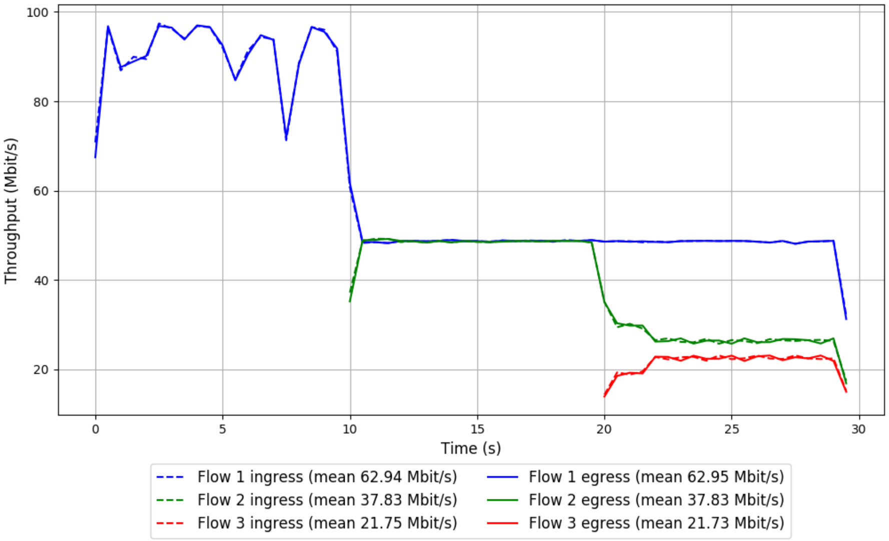


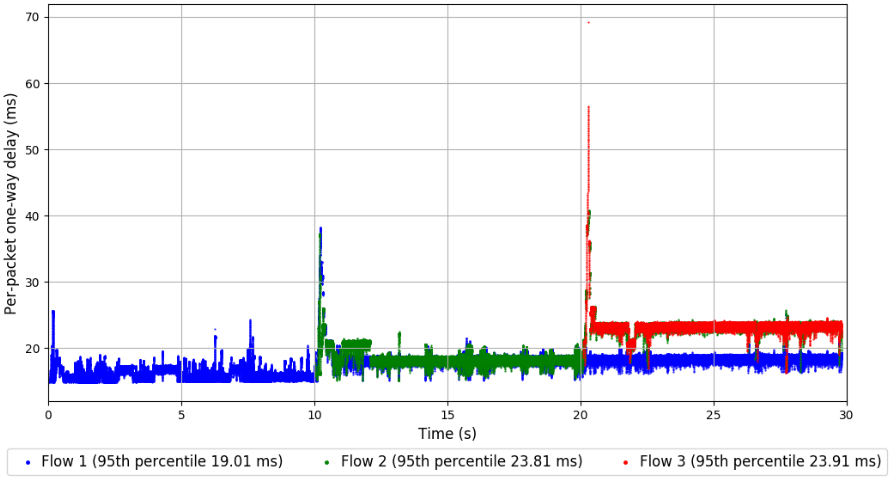
```
Run 4: Statistics of Indigo-1-32

Start at: 2018-04-24 18:11:13
End at: 2018-04-24 18:11:43
Local clock offset: 5.866 ms
Remote clock offset: -6.619 ms

# Below is generated by plot.py at 2018-04-25 00:10:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 23.724 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 62.95 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 23.806 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 21.73 Mbit/s
95th percentile per-packet one-way delay: 23.910 ms
Loss rate: 0.33%
```

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



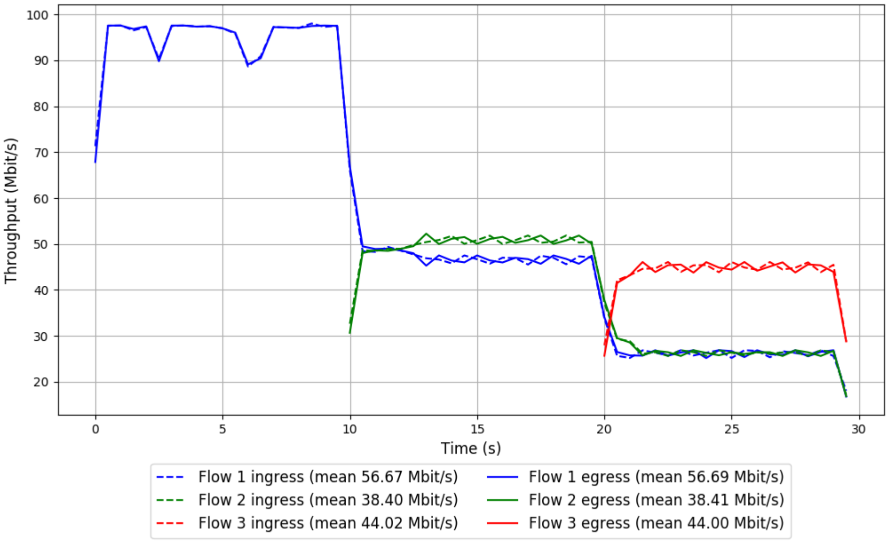


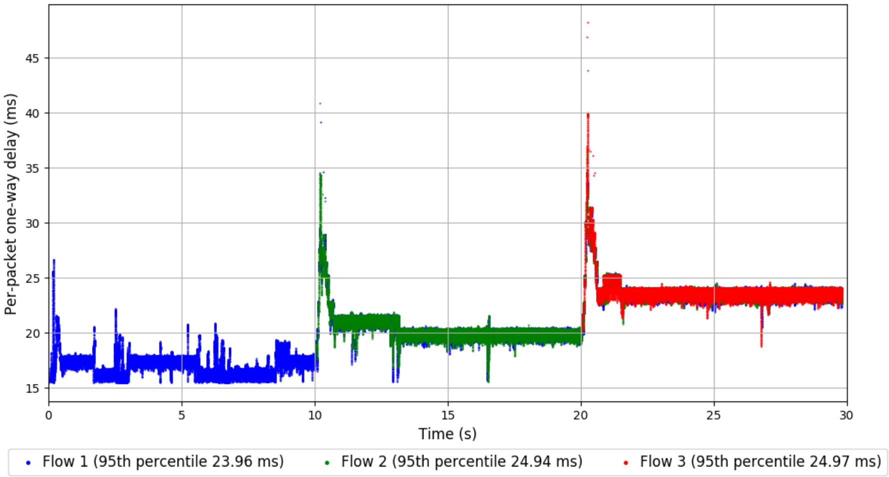
```
Run 5: Statistics of Indigo-1-32

Start at: 2018-04-24 18:31:42
End at: 2018-04-24 18:32:12
Local clock offset: -6.068 ms
Remote clock offset: -7.859 ms

# Below is generated by plot.py at 2018-04-25 00:10:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 24.052 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.69 Mbit/s
95th percentile per-packet one-way delay: 23.963 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.41 Mbit/s
95th percentile per-packet one-way delay: 24.943 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 44.00 Mbit/s
95th percentile per-packet one-way delay: 24.966 ms
Loss rate: 0.33%
```

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



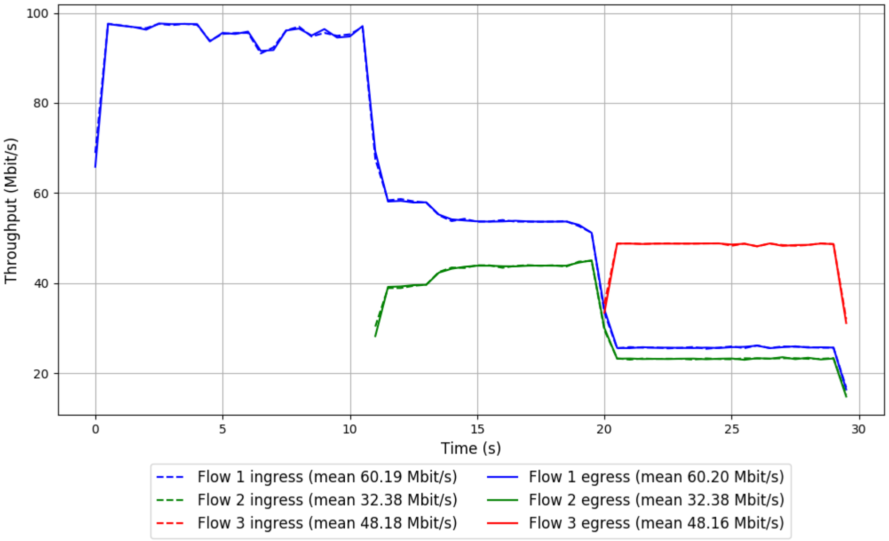


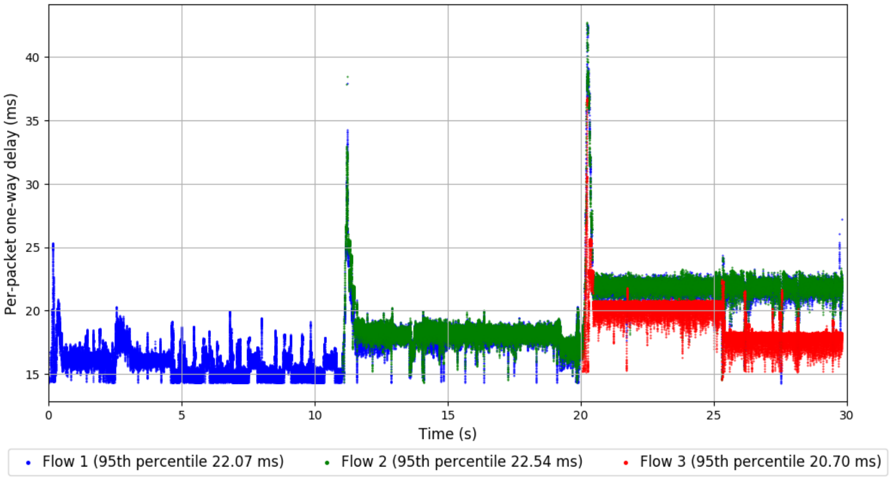
```
Run 6: Statistics of Indigo-1-32

Start at: 2018-04-24 18:52:00
End at: 2018-04-24 18:52:30
Local clock offset: -4.869 ms
Remote clock offset: -8.334 ms

# Below is generated by plot.py at 2018-04-25 00:10:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 22.214 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 60.20 Mbit/s
95th percentile per-packet one-way delay: 22.065 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 32.38 Mbit/s
95th percentile per-packet one-way delay: 22.535 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 20.697 ms
Loss rate: 0.27%
```

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



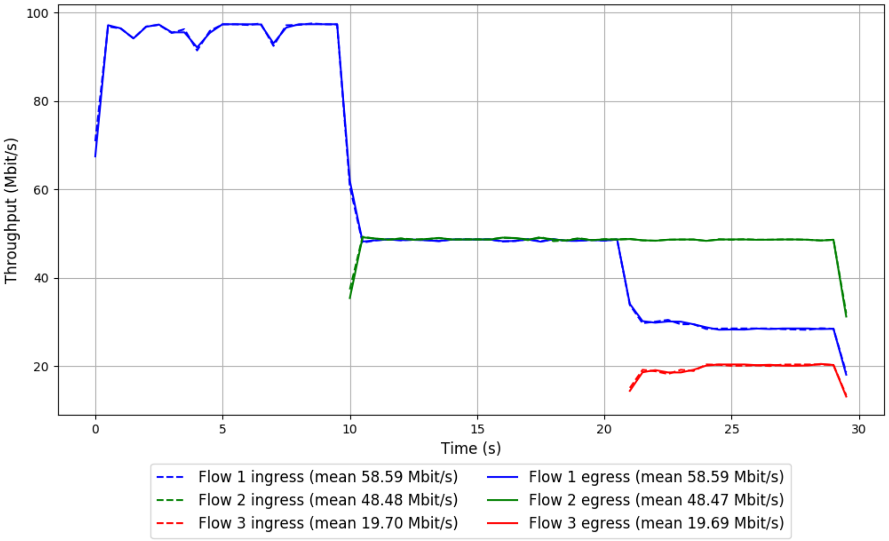


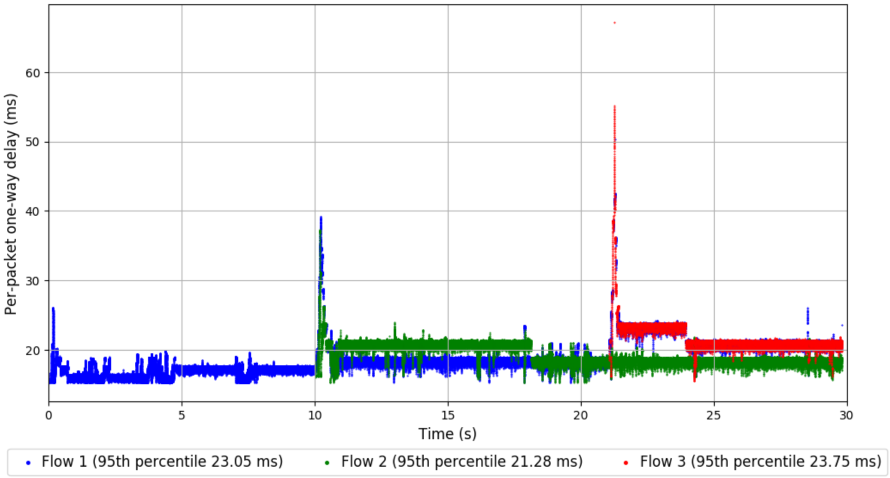
```
Run 7: Statistics of Indigo-1-32

Start at: 2018-04-24 19:12:46
End at: 2018-04-24 19:13:16
Local clock offset: -4.427 ms
Remote clock offset: -9.689 ms

# Below is generated by plot.py at 2018-04-25 00:11:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 22.940 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.59 Mbit/s
95th percentile per-packet one-way delay: 23.055 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 21.278 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 19.69 Mbit/s
95th percentile per-packet one-way delay: 23.754 ms
Loss rate: 0.34%
```

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



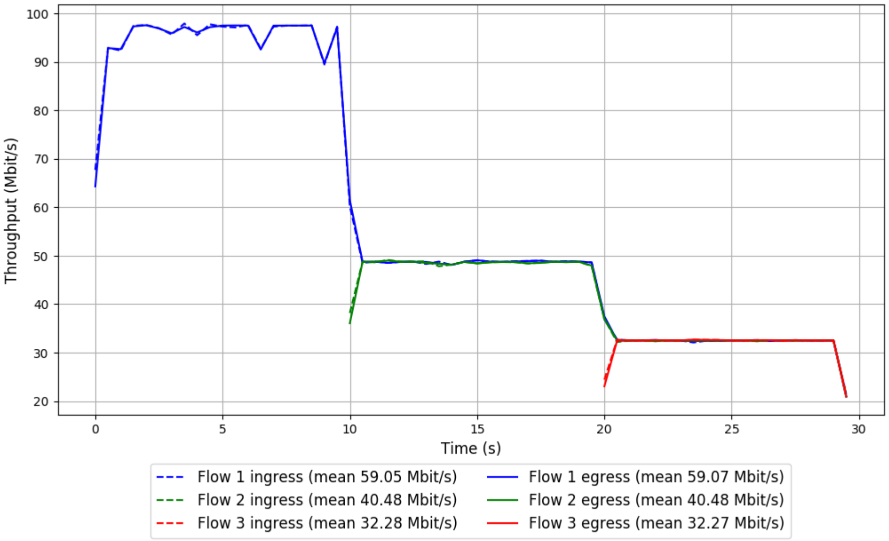


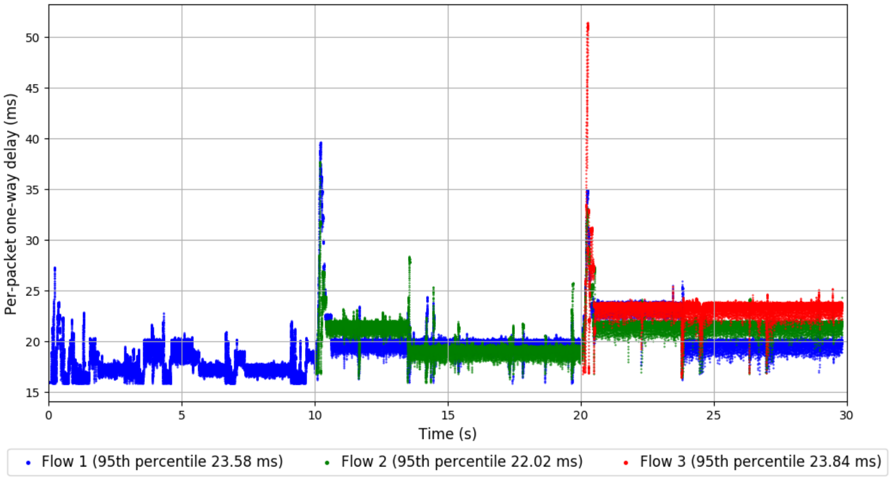
```
Run 8: Statistics of Indigo-1-32

Start at: 2018-04-24 19:32:48
End at: 2018-04-24 19:33:18
Local clock offset: -4.438 ms
Remote clock offset: -7.407 ms

# Below is generated by plot.py at 2018-04-25 00:11:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 23.690 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.07 Mbit/s
95th percentile per-packet one-way delay: 23.576 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 22.021 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 23.837 ms
Loss rate: 0.30%
```

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



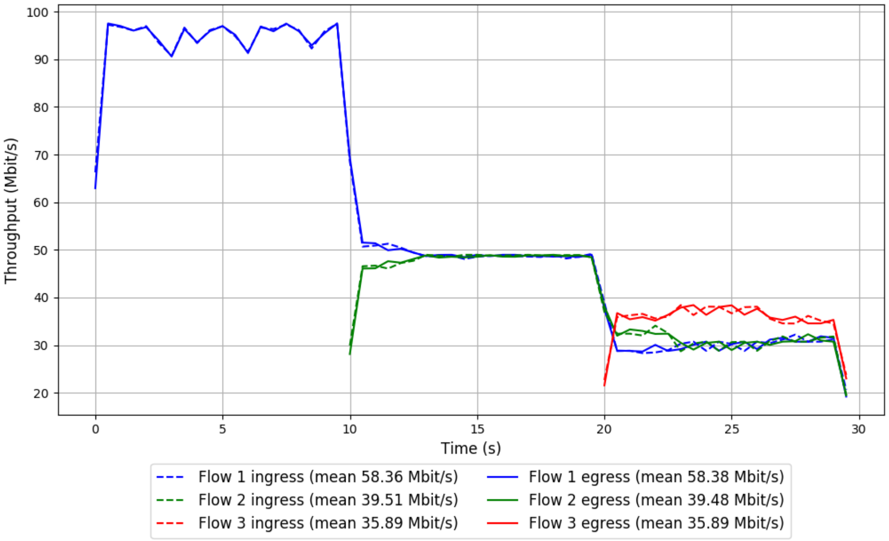


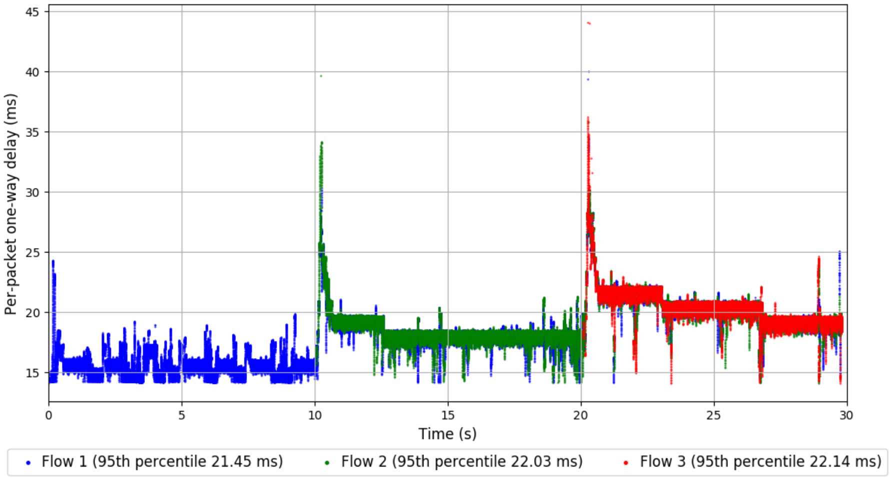
```
Run 9: Statistics of Indigo-1-32

Start at: 2018-04-24 19:53:18
End at: 2018-04-24 19:53:48
Local clock offset: -6.596 ms
Remote clock offset: -7.851 ms

# Below is generated by plot.py at 2018-04-25 00:11:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 21.972 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.38 Mbit/s
95th percentile per-packet one-way delay: 21.449 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.48 Mbit/s
95th percentile per-packet one-way delay: 22.029 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 22.137 ms
Loss rate: 0.31%
```

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



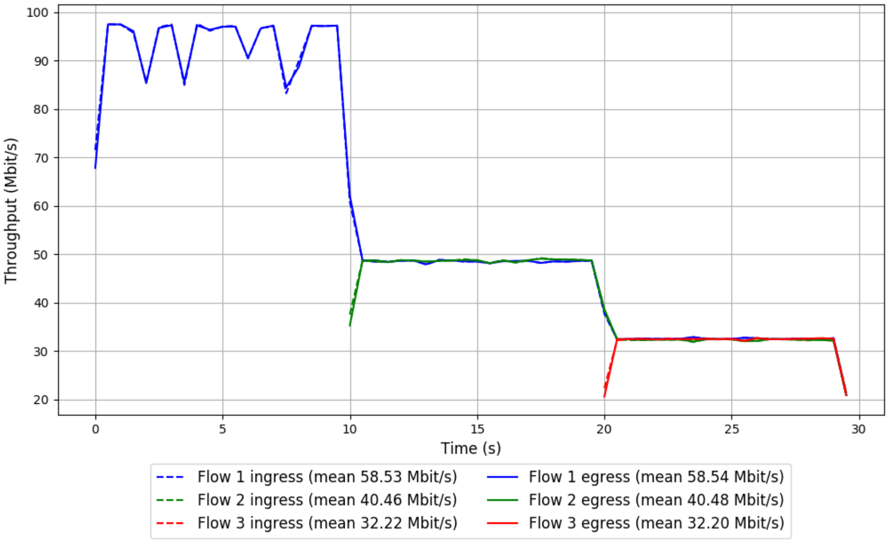


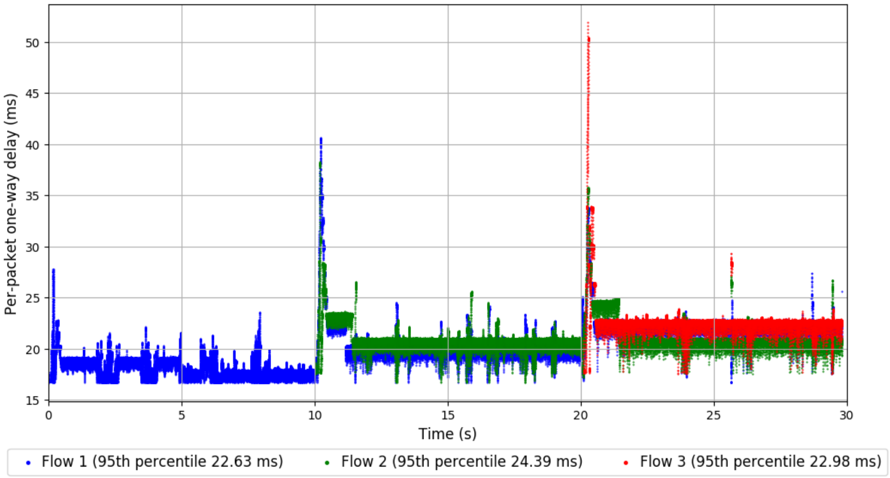
```
Run 10: Statistics of Indigo-1-32

Start at: 2018-04-24 20:13:53
End at: 2018-04-24 20:14:23
Local clock offset: -2.869 ms
Remote clock offset: -8.732 ms

# Below is generated by plot.py at 2018-04-25 00:11:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 23.058 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.54 Mbit/s
95th percentile per-packet one-way delay: 22.634 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 24.392 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 22.985 ms
Loss rate: 0.31%
```

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



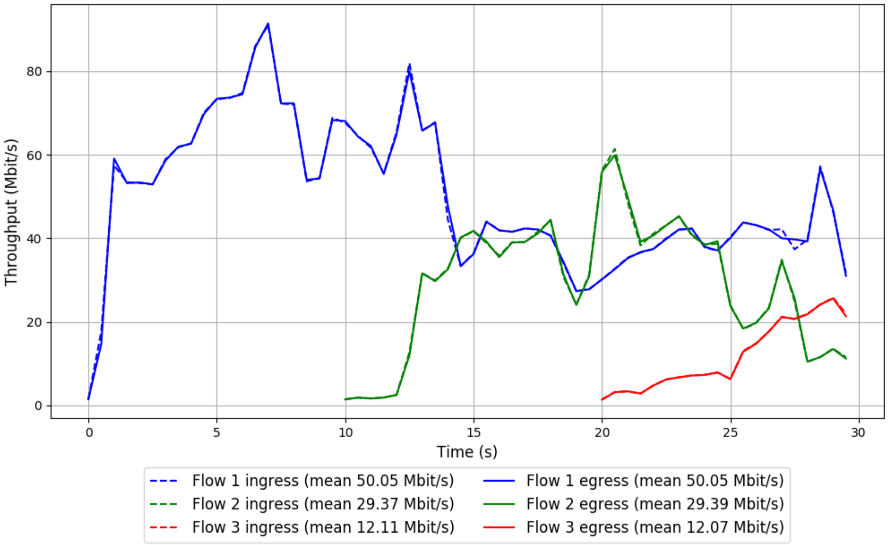


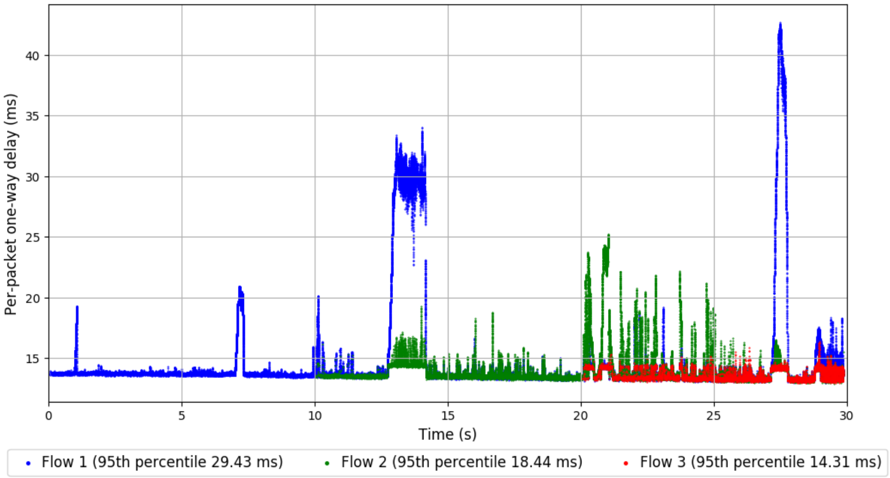
```
Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 17:02:34
End at: 2018-04-24 17:03:04
Local clock offset: -8.796 ms
Remote clock offset: -7.51 ms

# Below is generated by plot.py at 2018-04-25 00:11:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.55 Mbit/s
95th percentile per-packet one-way delay: 23.183 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 29.429 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 29.39 Mbit/s
95th percentile per-packet one-way delay: 18.442 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 14.311 ms
Loss rate: 0.61%
```

Run 1: Report of PCC-Vivace — Data Link



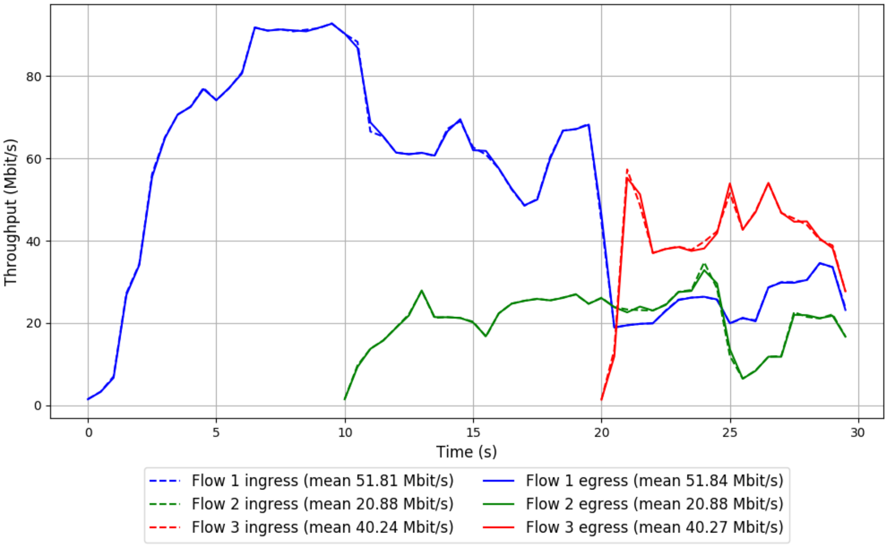


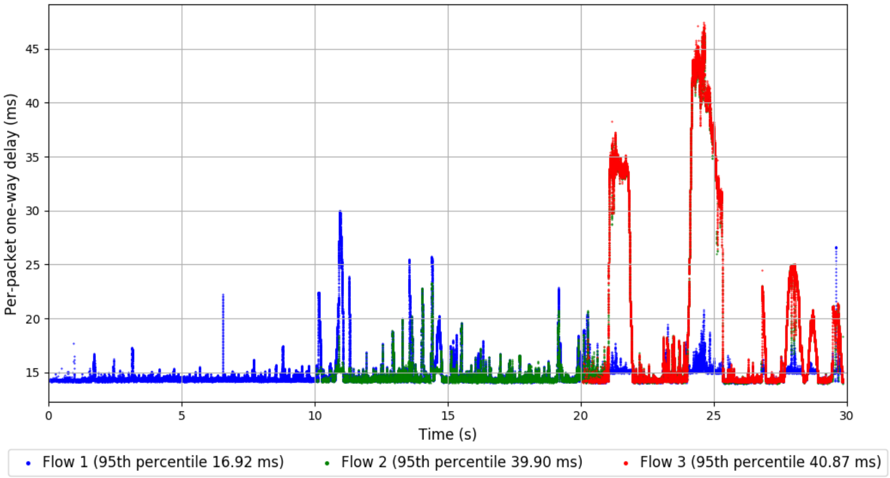
```
Run 2: Statistics of PCC-Vivace

Start at: 2018-04-24 17:25:52
End at: 2018-04-24 17:26:22
Local clock offset: 2.292 ms
Remote clock offset: -11.192 ms

# Below is generated by plot.py at 2018-04-25 00:11:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.97 Mbit/s
95th percentile per-packet one-way delay: 33.289 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 16.921 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 39.902 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: 40.871 ms
Loss rate: 0.20%
```

Run 2: Report of PCC-Vivace — Data Link



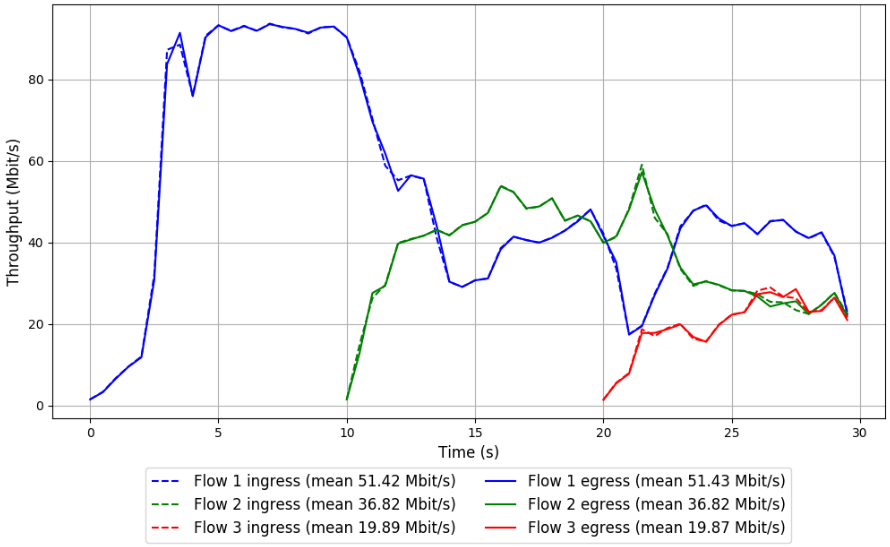


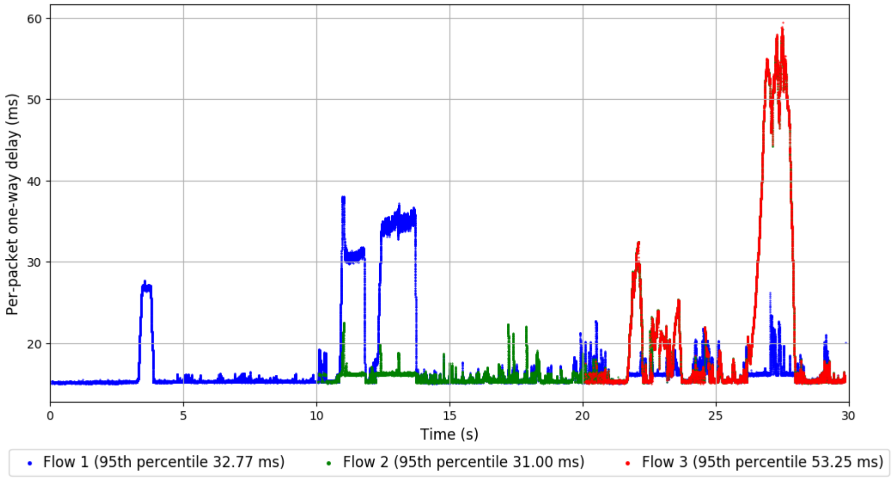
```
Run 3: Statistics of PCC-Vivace

Start at: 2018-04-24 17:47:25
End at: 2018-04-24 17:47:55
Local clock offset: 7.173 ms
Remote clock offset: -7.695 ms

# Below is generated by plot.py at 2018-04-25 00:12:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.44 Mbit/s
95th percentile per-packet one-way delay: 34.354 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 51.43 Mbit/s
95th percentile per-packet one-way delay: 32.767 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 30.996 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 19.87 Mbit/s
95th percentile per-packet one-way delay: 53.253 ms
Loss rate: 0.35%
```

Run 3: Report of PCC-Vivace — Data Link



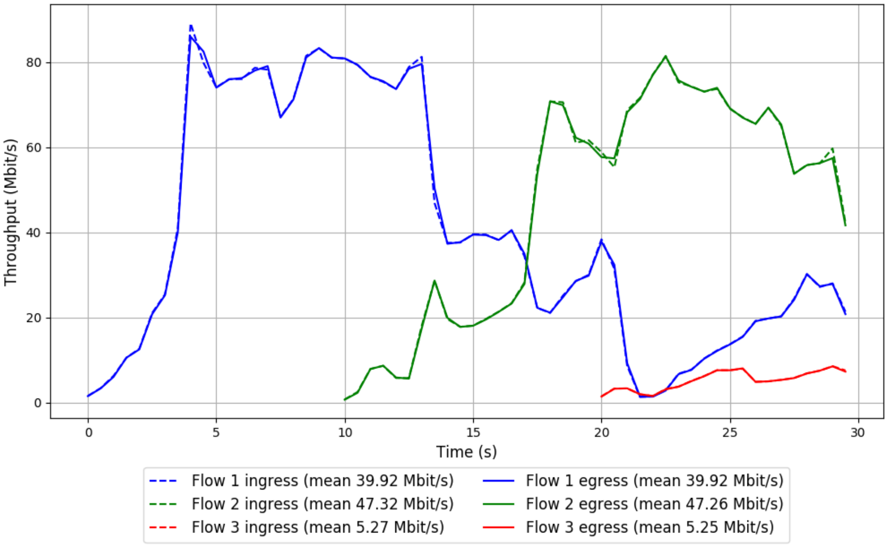


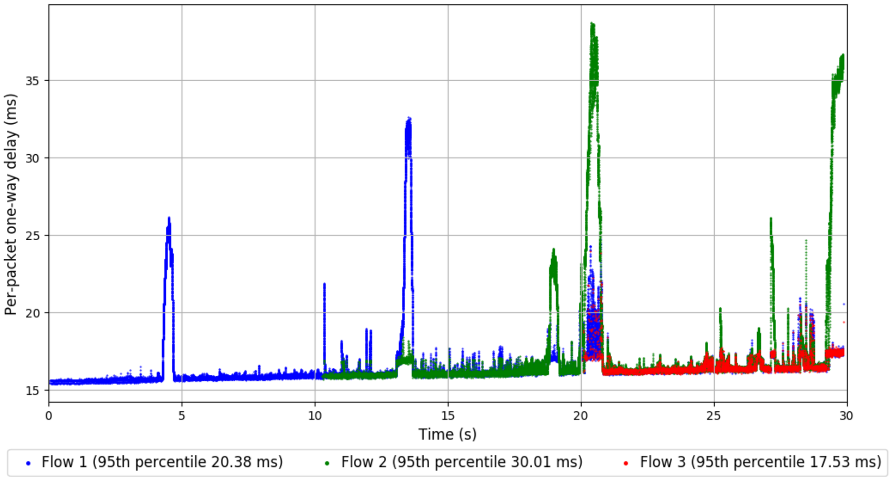
```
Run 4: Statistics of PCC-Vivace

Start at: 2018-04-24 18:08:54
End at: 2018-04-24 18:09:24
Local clock offset: 9.702 ms
Remote clock offset: -6.963 ms

# Below is generated by plot.py at 2018-04-25 00:12:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.69 Mbit/s
95th percentile per-packet one-way delay: 23.462 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 39.92 Mbit/s
95th percentile per-packet one-way delay: 20.375 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 47.26 Mbit/s
95th percentile per-packet one-way delay: 30.012 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 17.532 ms
Loss rate: 0.56%
```

Run 4: Report of PCC-Vivace — Data Link



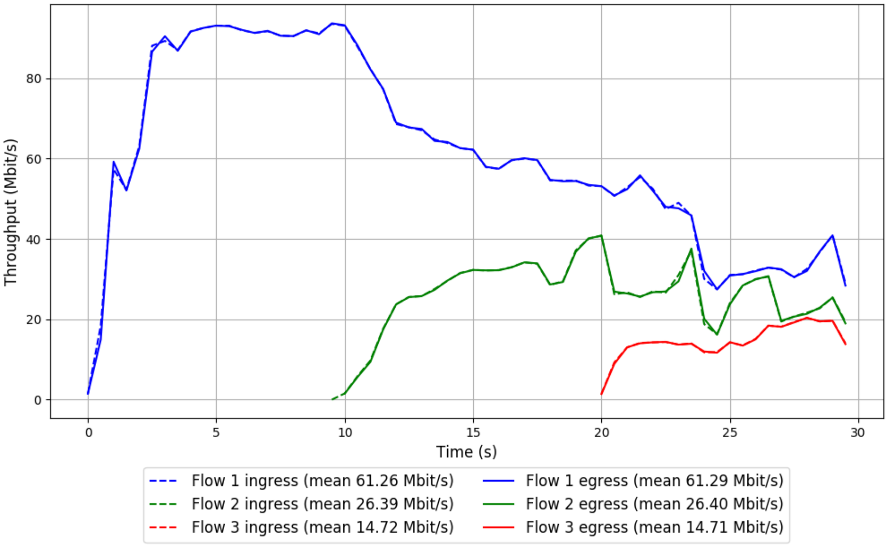


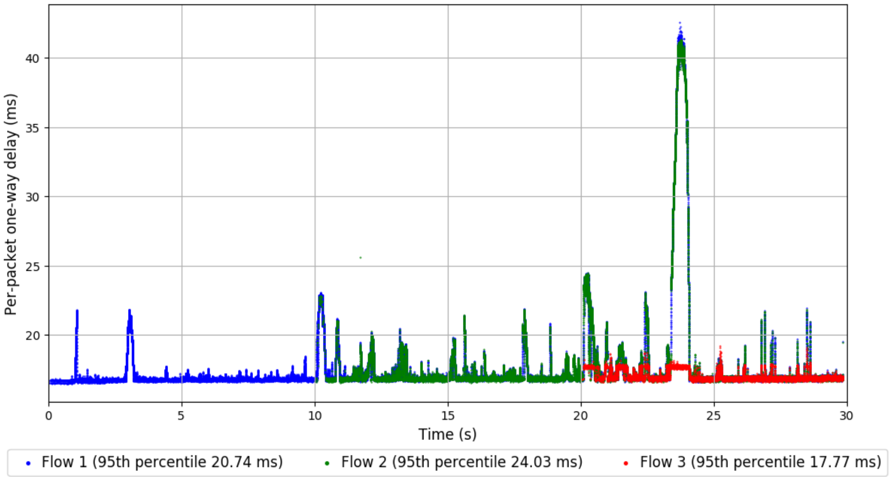
```
Run 5: Statistics of PCC-Vivace

Start at: 2018-04-24 18:29:22
End at: 2018-04-24 18:29:52
Local clock offset: -4.554 ms
Remote clock offset: -8.107 ms

# Below is generated by plot.py at 2018-04-25 00:12:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.69 Mbit/s
95th percentile per-packet one-way delay: 20.891 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 61.29 Mbit/s
95th percentile per-packet one-way delay: 20.737 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 26.40 Mbit/s
95th percentile per-packet one-way delay: 24.027 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 14.71 Mbit/s
95th percentile per-packet one-way delay: 17.770 ms
Loss rate: 0.30%
```

Run 5: Report of PCC-Vivace — Data Link



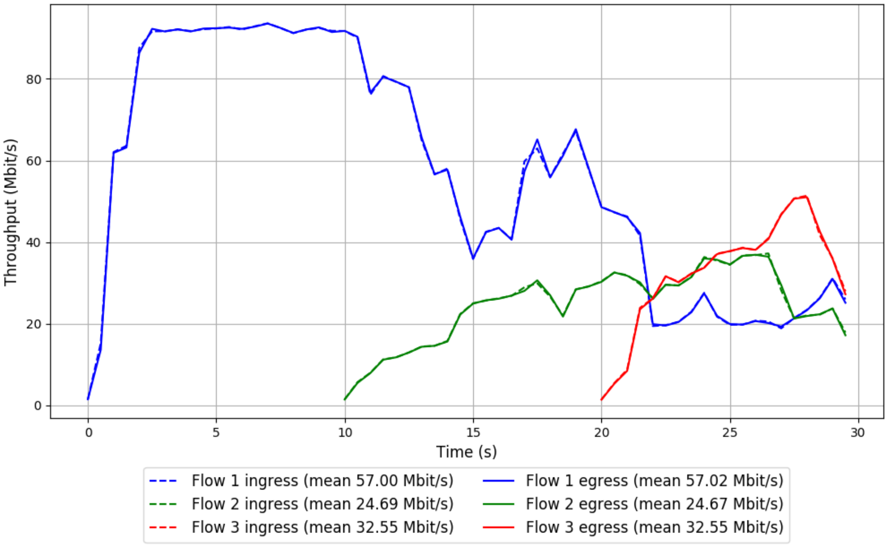


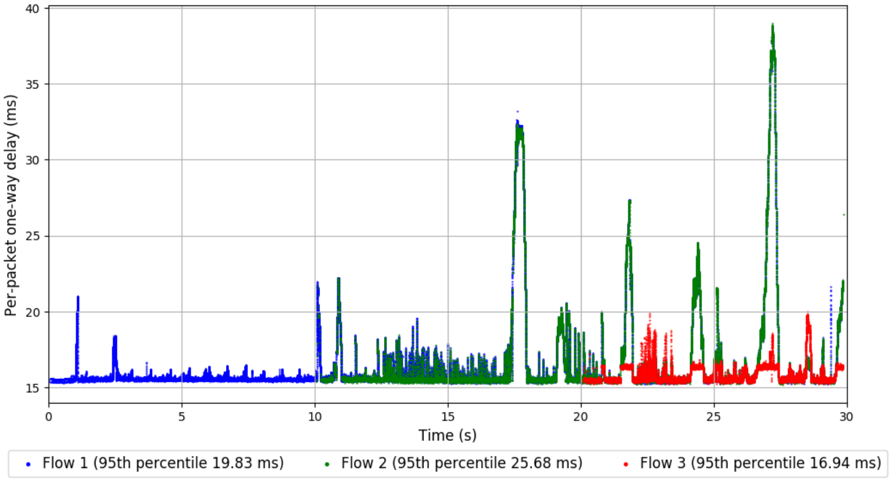
```
Run 6: Statistics of PCC-Vivace

Start at: 2018-04-24 18:49:42
End at: 2018-04-24 18:50:12
Local clock offset: -5.163 ms
Remote clock offset: -9.188 ms

# Below is generated by plot.py at 2018-04-25 00:12:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.10 Mbit/s
95th percentile per-packet one-way delay: 20.541 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.02 Mbit/s
95th percentile per-packet one-way delay: 19.833 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 25.683 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.55 Mbit/s
95th percentile per-packet one-way delay: 16.937 ms
Loss rate: 0.29%
```

Run 6: Report of PCC-Vivace — Data Link



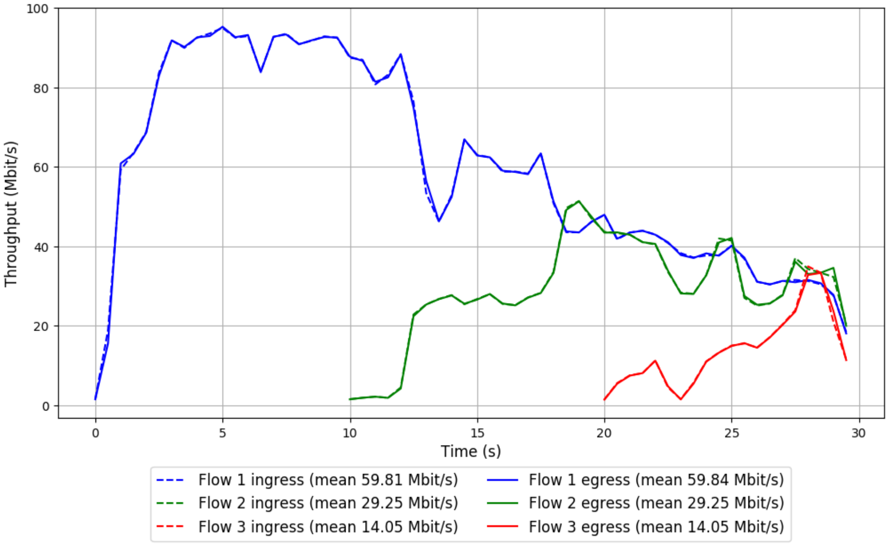


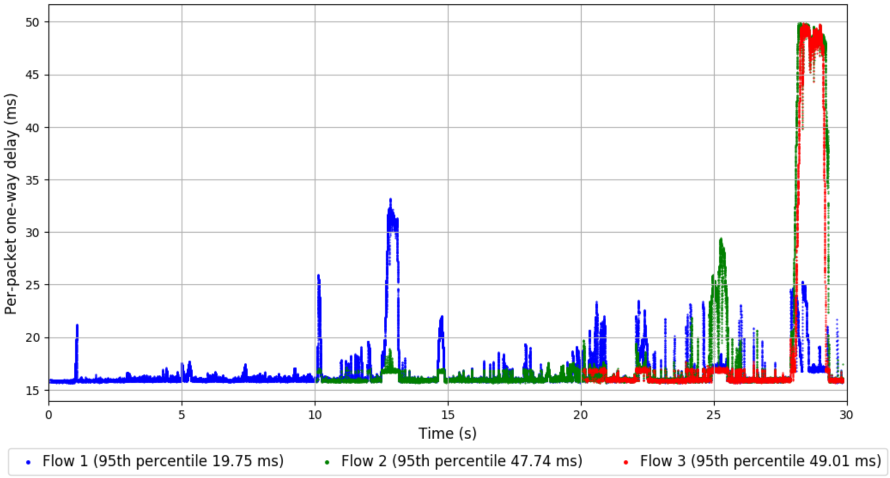
```
Run 7: Statistics of PCC-Vivace

Start at: 2018-04-24 19:10:27
End at: 2018-04-24 19:10:57
Local clock offset: -4.391 ms
Remote clock offset: -10.307 ms

# Below is generated by plot.py at 2018-04-25 00:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.89 Mbit/s
95th percentile per-packet one-way delay: 25.054 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 59.84 Mbit/s
95th percentile per-packet one-way delay: 19.753 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 29.25 Mbit/s
95th percentile per-packet one-way delay: 47.745 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 14.05 Mbit/s
95th percentile per-packet one-way delay: 49.006 ms
Loss rate: 0.25%
```

Run 7: Report of PCC-Vivace — Data Link



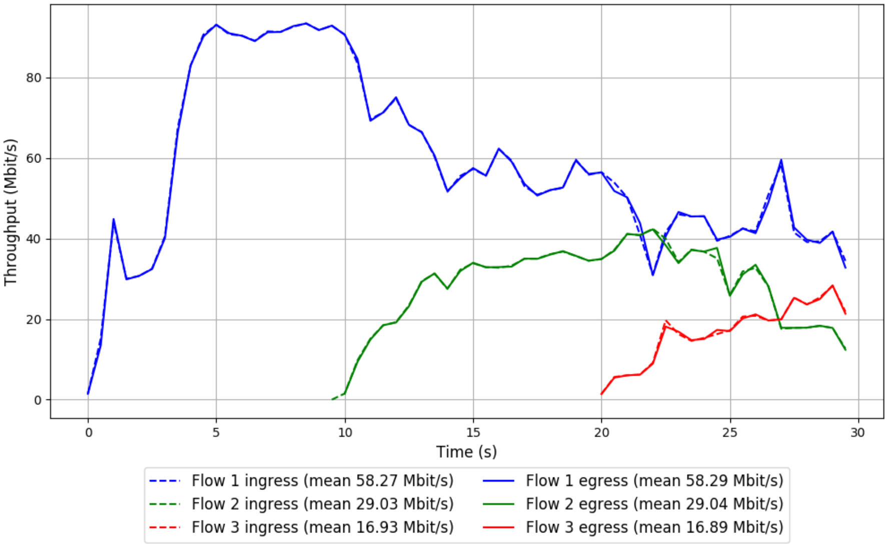


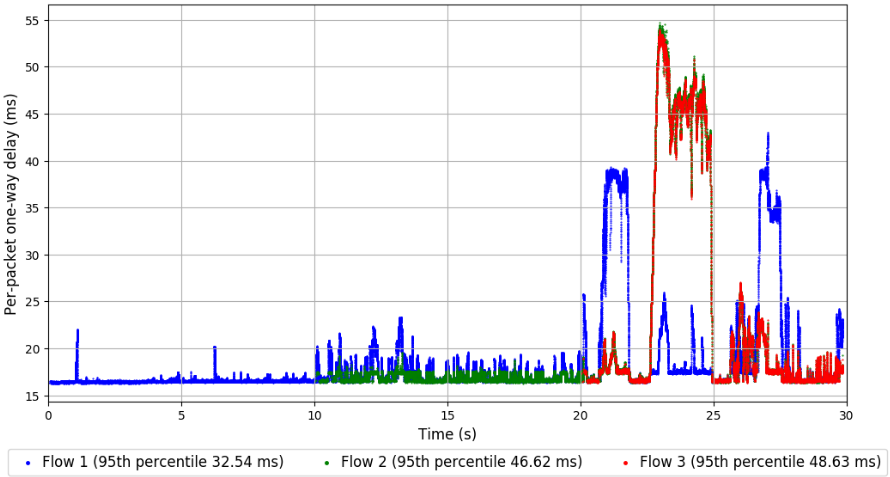
```
Run 8: Statistics of PCC-Vivace

Start at: 2018-04-24 19:30:29
End at: 2018-04-24 19:30:59
Local clock offset: -4.152 ms
Remote clock offset: -7.913 ms

# Below is generated by plot.py at 2018-04-25 00:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 38.635 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 32.537 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 29.04 Mbit/s
95th percentile per-packet one-way delay: 46.621 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 16.89 Mbit/s
95th percentile per-packet one-way delay: 48.626 ms
Loss rate: 0.48%
```

Run 8: Report of PCC-Vivace — Data Link



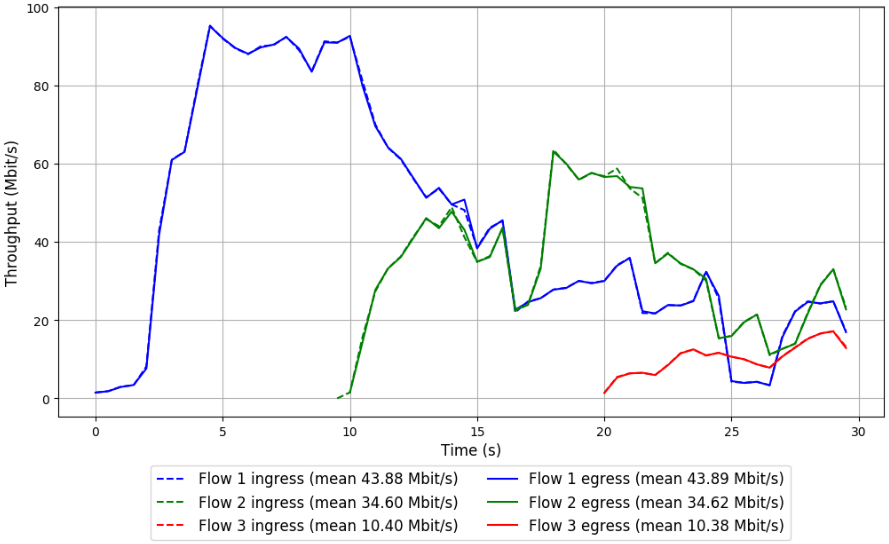


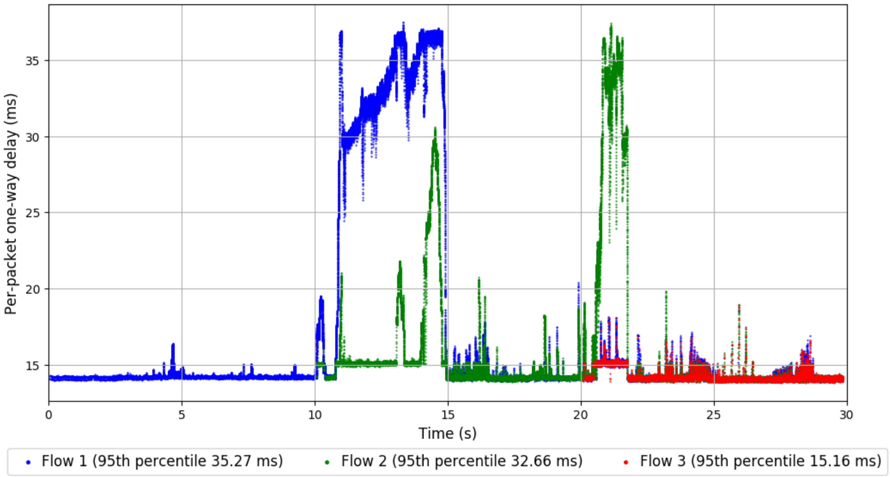
```
Run 9: Statistics of PCC-Vivace

Start at: 2018-04-24 19:50:59
End at: 2018-04-24 19:51:29
Local clock offset: -6.448 ms
Remote clock offset: -7.013 ms

# Below is generated by plot.py at 2018-04-25 00:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.33 Mbit/s
95th percentile per-packet one-way delay: 34.174 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 35.269 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 32.657 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 10.38 Mbit/s
95th percentile per-packet one-way delay: 15.157 ms
Loss rate: 0.42%
```

Run 9: Report of PCC-Vivace — Data Link



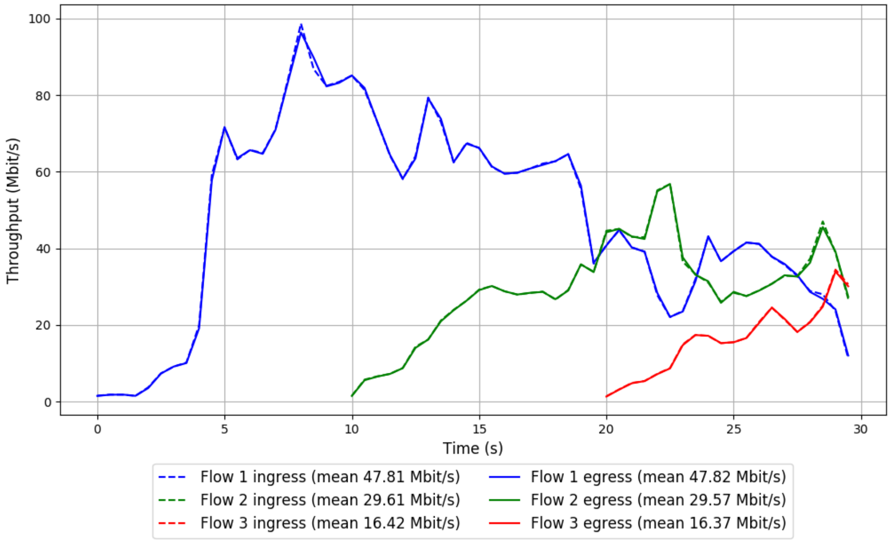


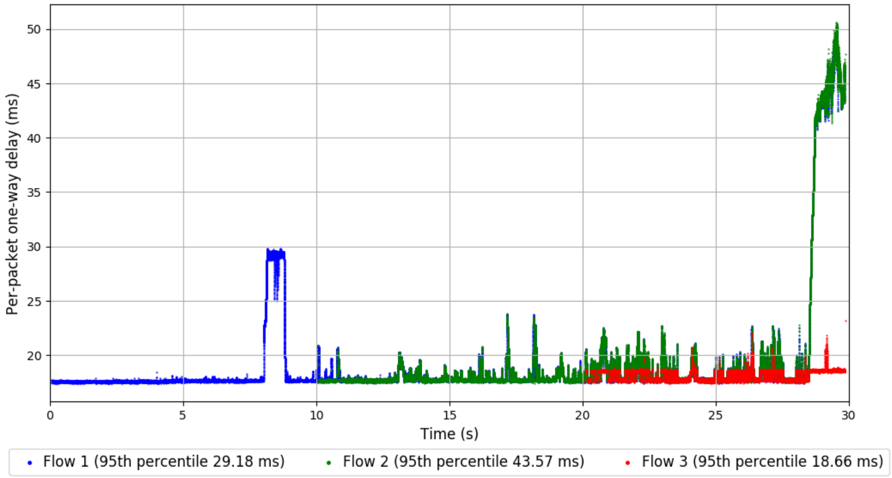
```
Run 10: Statistics of PCC-Vivace

Start at: 2018-04-24 20:11:35
End at: 2018-04-24 20:12:05
Local clock offset: -2.521 ms
Remote clock offset: -9.248 ms

# Below is generated by plot.py at 2018-04-25 00:12:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.86 Mbit/s
95th percentile per-packet one-way delay: 29.260 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 47.82 Mbit/s
95th percentile per-packet one-way delay: 29.177 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 43.573 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 16.37 Mbit/s
95th percentile per-packet one-way delay: 18.655 ms
Loss rate: 0.65%
```

Run 10: Report of PCC-Vivace — Data Link





```
Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 17:17:26
End at: 2018-04-24 17:17:56
Local clock offset: 1.293 ms
Remote clock offset: -10.293 ms
```

Run 1: Report of PCC-Expr — Data Link

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```
Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 17:40:11
End at: 2018-04-24 17:40:41
Local clock offset: 4.048 ms
Remote clock offset: -9.847 ms
```

Run 2: Report of PCC-Expr — Data Link

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```
Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 18:01:38
End at: 2018-04-24 18:02:08
Local clock offset: 8.963 ms
Remote clock offset: -6.997 ms
```

Run 3: Report of PCC-Expr — Data Link

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```
Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 18:22:17
End at: 2018-04-24 18:22:47
Local clock offset: -2.102 ms
Remote clock offset: -7.996 ms
```

Run 4: Report of PCC-Expr — Data Link

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```
Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 18:42:36
End at: 2018-04-24 18:43:06
Local clock offset: -6.888 ms
Remote clock offset: -7.53 ms
```

Run 5: Report of PCC-Expr — Data Link

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```
Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 19:03:05
End at: 2018-04-24 19:03:35
Local clock offset: -3.888 ms
Remote clock offset: -9.431 ms
```

Run 6: Report of PCC-Expr — Data Link

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Figure is missing

```
Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 19:23:29
End at: 2018-04-24 19:23:59
Local clock offset: -4.657 ms
Remote clock offset: -8.805 ms
```

Run 7: Report of PCC-Expr — Data Link

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```
Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 19:43:45
End at: 2018-04-24 19:44:15
Local clock offset: -4.121 ms
Remote clock offset: -6.886 ms
```

Run 8: Report of PCC-Expr — Data Link

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```
Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 20:04:18
End at: 2018-04-24 20:04:48
Local clock offset: -0.932 ms
Remote clock offset: -7.242 ms
```

Run 9: Report of PCC-Expr — Data Link

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```
Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 20:24:30
End at: 2018-04-24 20:25:00
Local clock offset: -0.27 ms
Remote clock offset: -7.879 ms
```

Run 10: Report of PCC-Expr — Data Link

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