

Pantheon Report

Generated at 2018-02-28 08:06:46 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

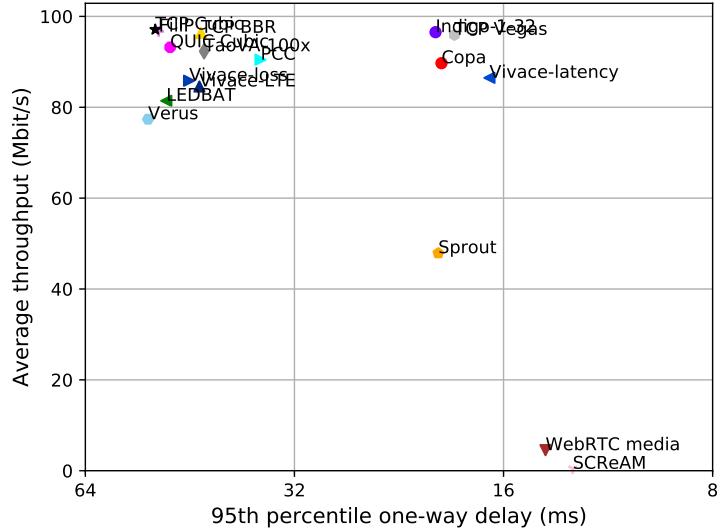
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

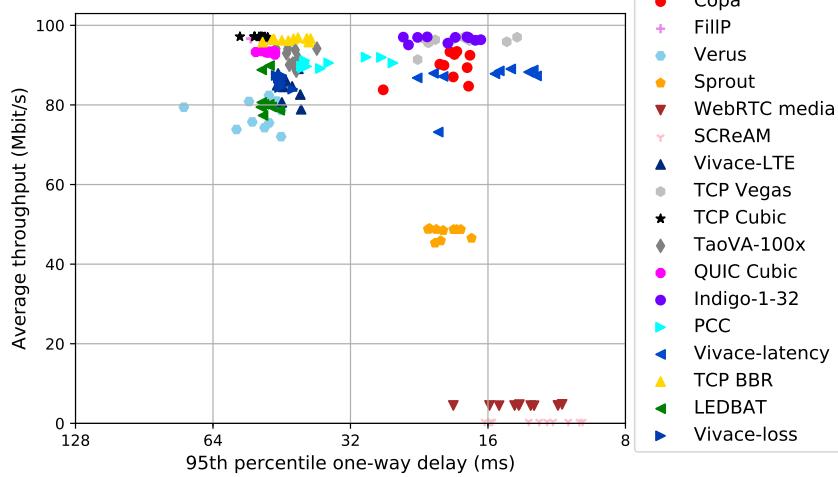
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179aab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



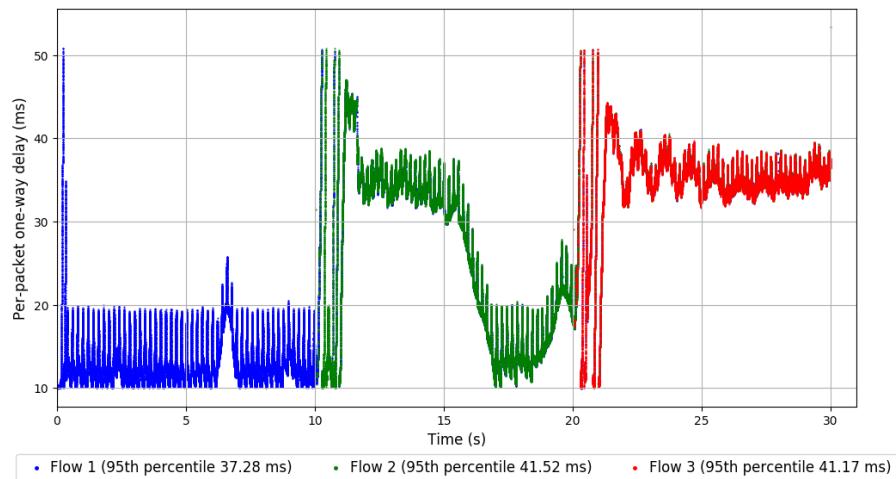
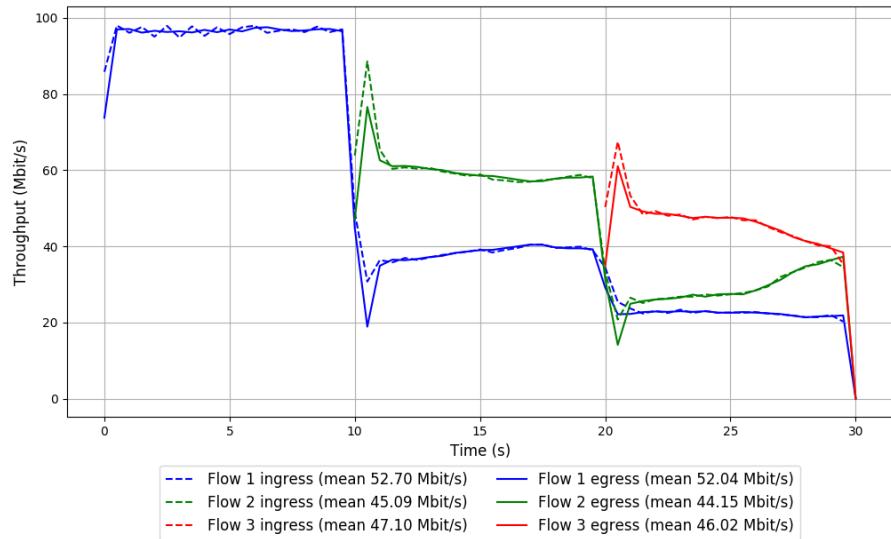
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	54.79	43.16	38.75	41.91	44.61	43.14	1.49	2.71	3.20
TCP Cubic	10	71.22	28.69	20.52	50.68	50.74	51.26	0.88	0.88	0.64
LEDBAT	10	49.81	35.50	24.88	48.63	49.26	49.18	0.39	0.46	0.59
PCC	10	77.33	15.51	8.59	34.95	38.57	35.58	1.19	1.18	0.67
QUIC Cubic	10	68.22	28.04	19.58	48.26	48.44	48.34	1.67	2.02	2.41
SCReAM	10	0.21	0.21	0.22	12.66	12.34	13.18	0.00	0.00	0.00
WebRTC media	10	2.39	1.50	0.64	13.98	13.60	14.14	0.01	0.00	0.00
Sprout	10	24.22	23.86	23.62	19.30	20.09	20.31	0.00	0.01	0.00
TaoVA-100x	10	56.79	38.45	29.92	40.14	44.38	46.12	7.36	13.79	17.64
TCP Vegas	10	56.94	37.32	42.61	19.67	16.72	14.50	0.18	0.00	0.00
Verus	10	49.61	35.83	13.25	52.68	52.10	46.43	29.52	46.33	27.85
Copa	10	55.54	36.38	29.92	18.62	20.25	21.64	0.00	0.00	0.00
FillP	10	52.47	41.27	50.91	50.00	50.23	50.71	26.81	31.80	35.92
Indigo-1-32	10	53.98	40.31	48.36	19.87	20.30	21.28	0.00	0.00	0.00
Vivace-latency	10	61.52	27.96	19.37	15.47	18.54	20.02	0.01	0.03	0.04
Vivace-loss	10	56.97	32.90	21.49	45.24	45.39	45.36	10.95	12.82	13.00
Vivace-LTE	10	55.88	31.48	23.62	41.80	45.48	46.21	1.75	2.24	3.24

```
Run 1: Statistics of TCP BBR
```

```
Start at: 2018-02-28 03:44:31
End at: 2018-02-28 03:45:01
Local clock offset: 4.025 ms
Remote clock offset: 0.841 ms

# Below is generated by plot.py at 2018-02-28 07:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: 39.137 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 52.04 Mbit/s
95th percentile per-packet one-way delay: 37.280 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 44.15 Mbit/s
95th percentile per-packet one-way delay: 41.520 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 46.02 Mbit/s
95th percentile per-packet one-way delay: 41.170 ms
Loss rate: 2.22%
```

Run 1: Report of TCP BBR — Data Link

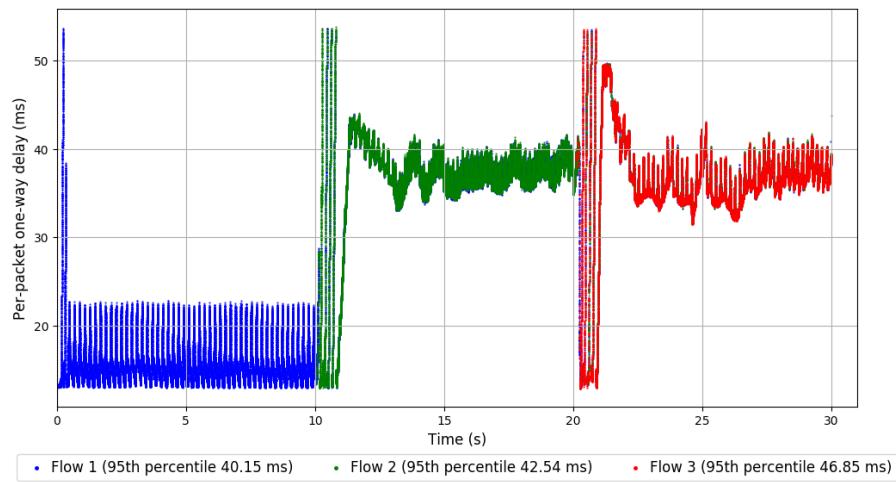
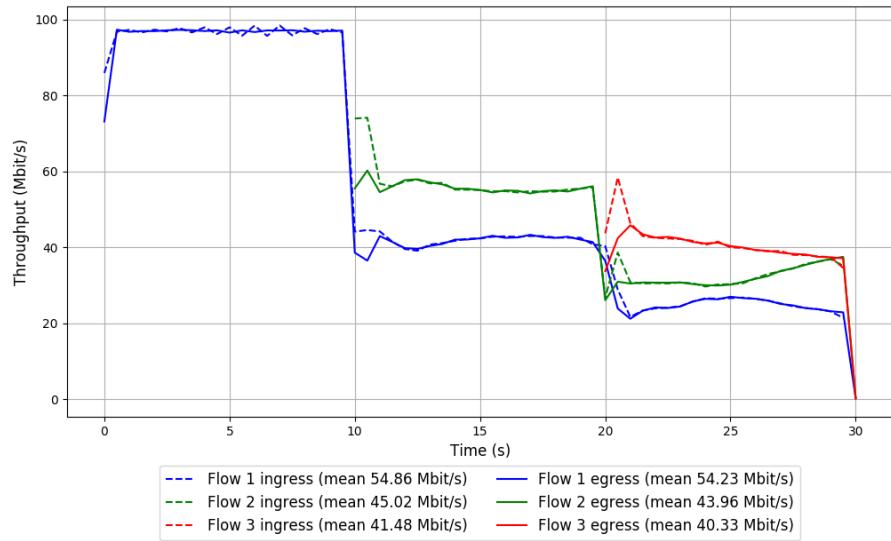


Run 2: Statistics of TCP BBR

```
Start at: 2018-02-28 04:06:02
End at: 2018-02-28 04:06:32
Local clock offset: 2.163 ms
Remote clock offset: 12.059 ms

# Below is generated by plot.py at 2018-02-28 07:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 41.692 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 54.23 Mbit/s
95th percentile per-packet one-way delay: 40.152 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 43.96 Mbit/s
95th percentile per-packet one-way delay: 42.536 ms
Loss rate: 2.21%
-- Flow 3:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 46.846 ms
Loss rate: 2.74%
```

Run 2: Report of TCP BBR — Data Link

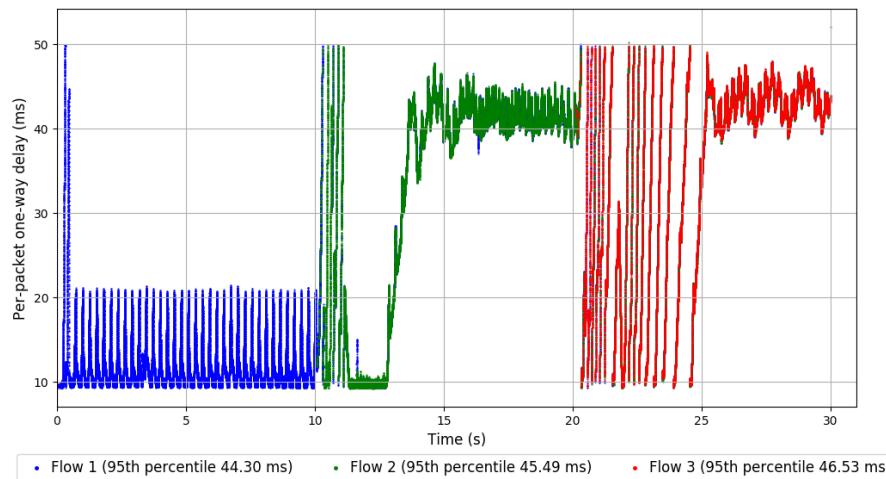
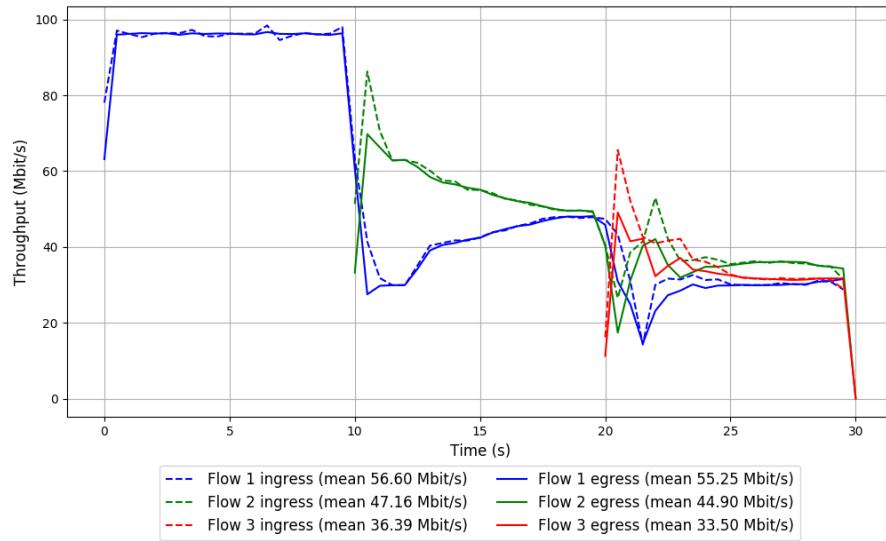


Run 3: Statistics of TCP BBR

```
Start at: 2018-02-28 04:27:39
End at: 2018-02-28 04:28:09
Local clock offset: 5.088 ms
Remote clock offset: 15.801 ms

# Below is generated by plot.py at 2018-02-28 07:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 45.225 ms
Loss rate: 3.70%
-- Flow 1:
Average throughput: 55.25 Mbit/s
95th percentile per-packet one-way delay: 44.302 ms
Loss rate: 2.27%
-- Flow 2:
Average throughput: 44.90 Mbit/s
95th percentile per-packet one-way delay: 45.491 ms
Loss rate: 4.63%
-- Flow 3:
Average throughput: 33.50 Mbit/s
95th percentile per-packet one-way delay: 46.527 ms
Loss rate: 7.94%
```

Run 3: Report of TCP BBR — Data Link

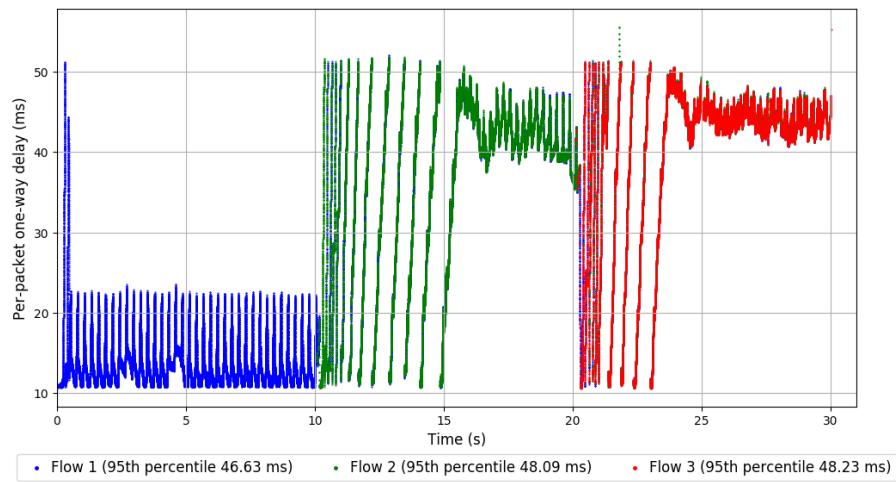
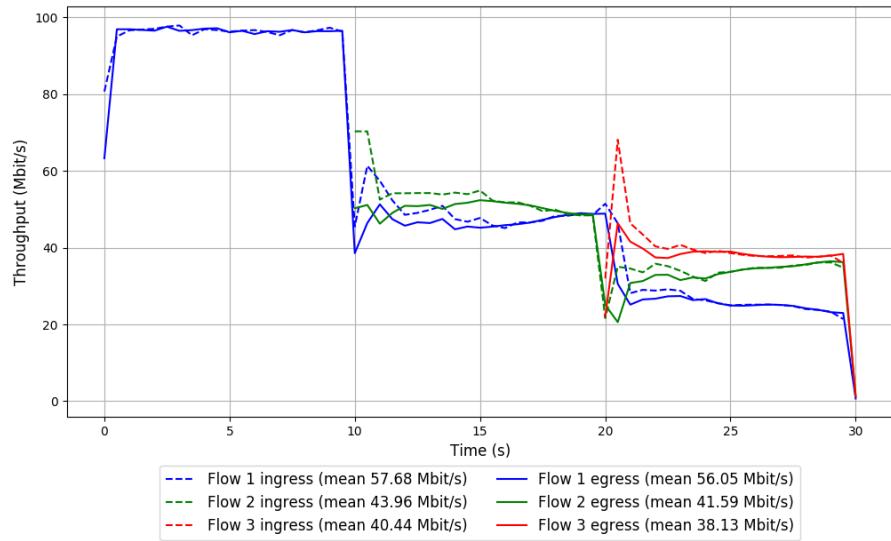


Run 4: Statistics of TCP BBR

```
Start at: 2018-02-28 04:49:02
End at: 2018-02-28 04:49:32
Local clock offset: 3.805 ms
Remote clock offset: 20.372 ms

# Below is generated by plot.py at 2018-02-28 07:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 47.498 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 56.05 Mbit/s
95th percentile per-packet one-way delay: 46.627 ms
Loss rate: 2.73%
-- Flow 2:
Average throughput: 41.59 Mbit/s
95th percentile per-packet one-way delay: 48.090 ms
Loss rate: 5.27%
-- Flow 3:
Average throughput: 38.13 Mbit/s
95th percentile per-packet one-way delay: 48.233 ms
Loss rate: 5.53%
```

Run 4: Report of TCP BBR — Data Link

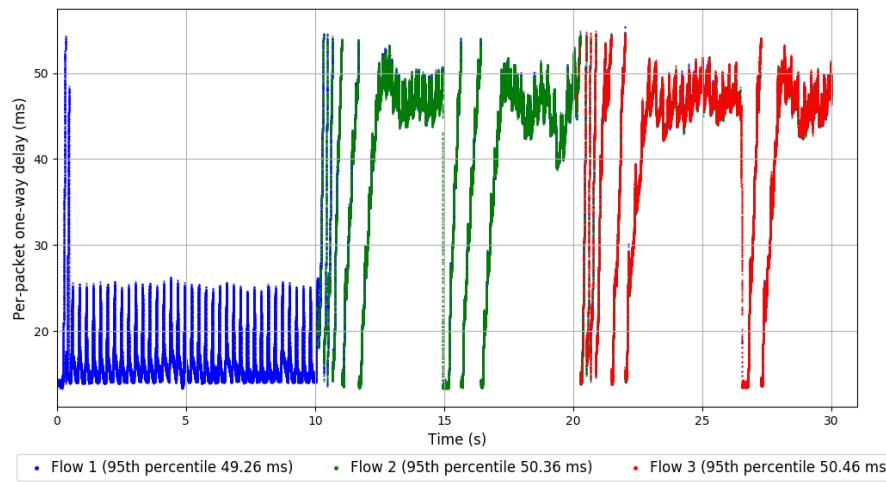
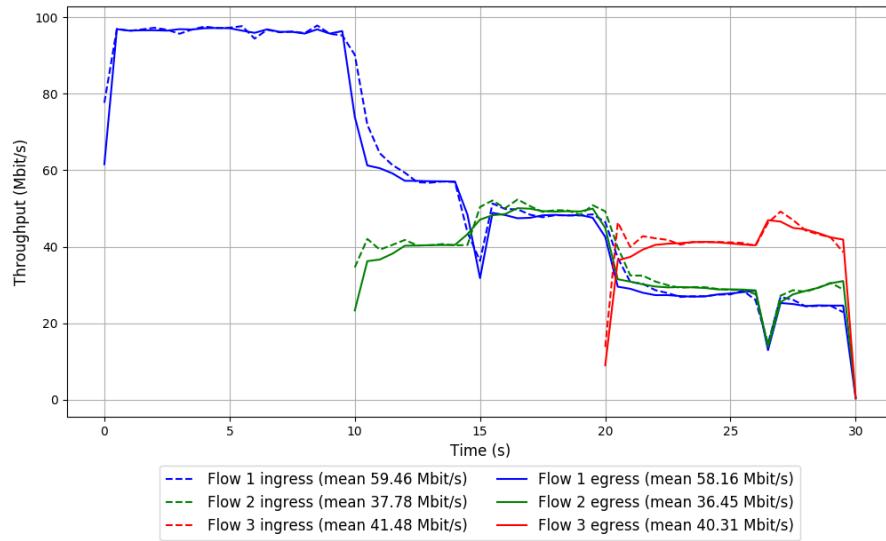


Run 5: Statistics of TCP BBR

```
Start at: 2018-02-28 05:10:27
End at: 2018-02-28 05:10:57
Local clock offset: 1.876 ms
Remote clock offset: -0.281 ms

# Below is generated by plot.py at 2018-02-28 07:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 49.840 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 58.16 Mbit/s
95th percentile per-packet one-way delay: 49.259 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 50.364 ms
Loss rate: 3.36%
-- Flow 3:
Average throughput: 40.31 Mbit/s
95th percentile per-packet one-way delay: 50.462 ms
Loss rate: 2.83%
```

Run 5: Report of TCP BBR — Data Link

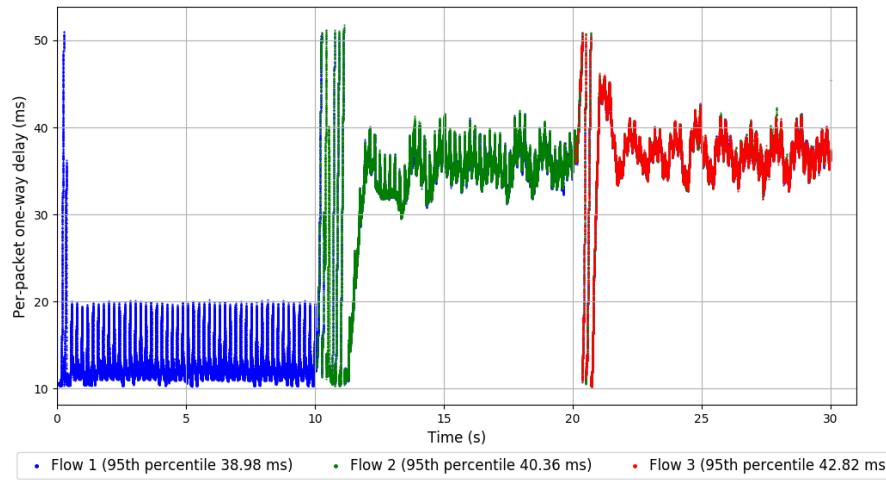
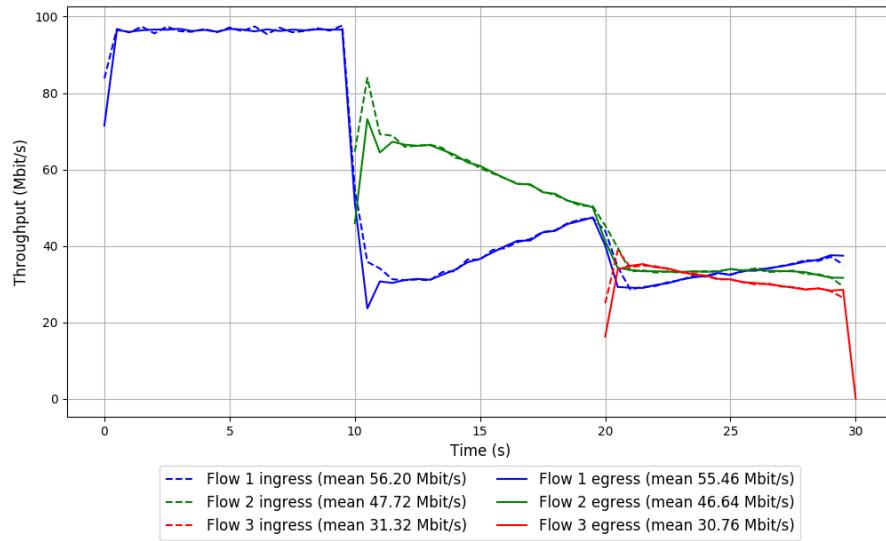


Run 6: Statistics of TCP BBR

```
Start at: 2018-02-28 05:31:44
End at: 2018-02-28 05:32:14
Local clock offset: 3.458 ms
Remote clock offset: -4.847 ms

# Below is generated by plot.py at 2018-02-28 07:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 39.892 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 55.46 Mbit/s
95th percentile per-packet one-way delay: 38.978 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 46.64 Mbit/s
95th percentile per-packet one-way delay: 40.360 ms
Loss rate: 2.16%
-- Flow 3:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 42.822 ms
Loss rate: 1.72%
```

Run 6: Report of TCP BBR — Data Link

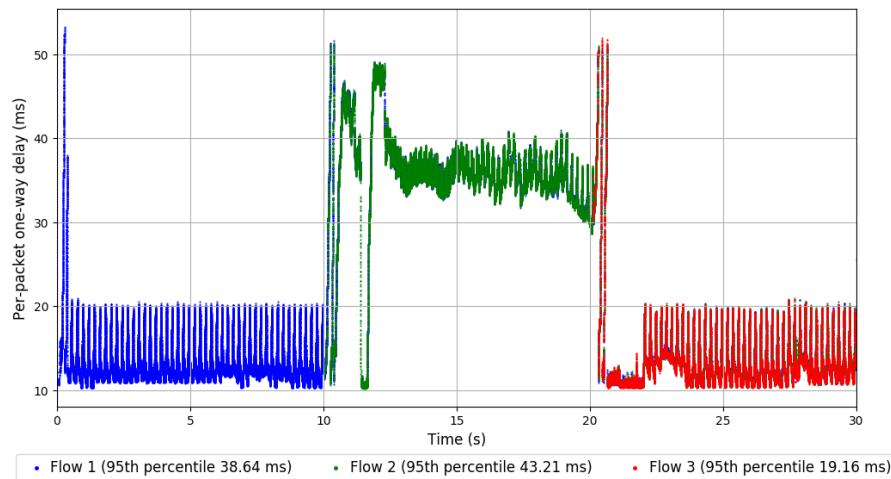
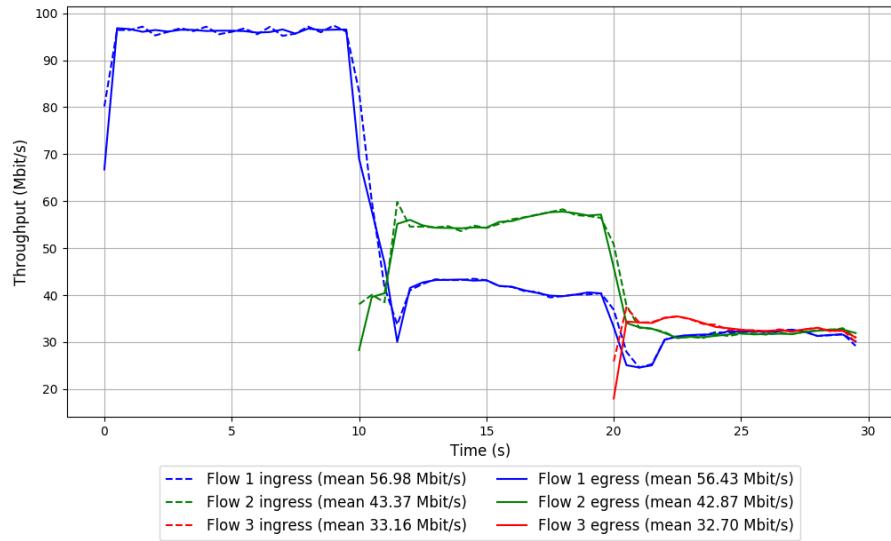


Run 7: Statistics of TCP BBR

```
Start at: 2018-02-28 05:53:13
End at: 2018-02-28 05:53:43
Local clock offset: 2.788 ms
Remote clock offset: -4.276 ms

# Below is generated by plot.py at 2018-02-28 07:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 39.483 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 38.642 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 42.87 Mbit/s
95th percentile per-packet one-way delay: 43.212 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 1.54%
```

Run 7: Report of TCP BBR — Data Link

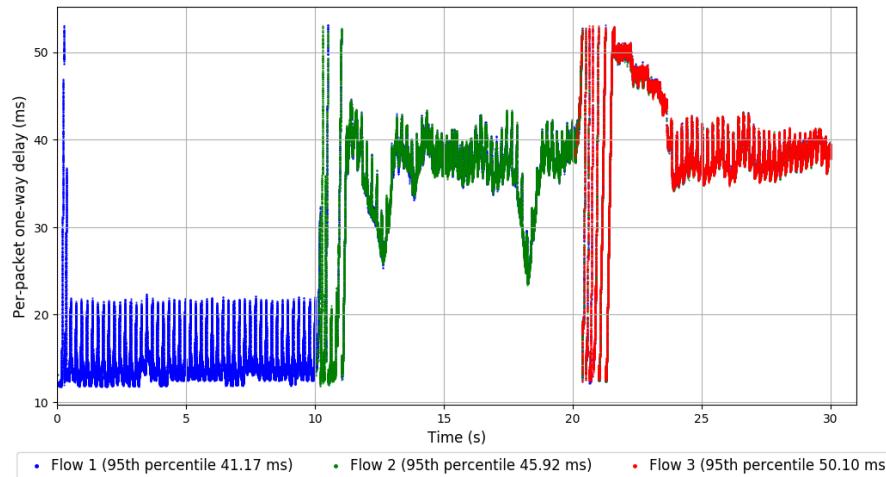
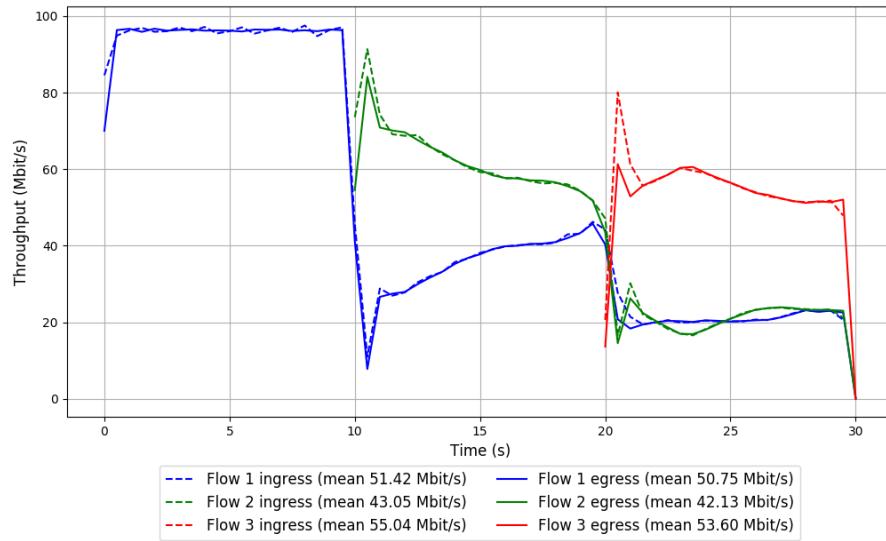


Run 8: Statistics of TCP BBR

```
Start at: 2018-02-28 06:14:28
End at: 2018-02-28 06:14:58
Local clock offset: 0.868 ms
Remote clock offset: -5.914 ms

# Below is generated by plot.py at 2018-02-28 07:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 47.102 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 50.75 Mbit/s
95th percentile per-packet one-way delay: 41.168 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 42.13 Mbit/s
95th percentile per-packet one-way delay: 45.919 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 53.60 Mbit/s
95th percentile per-packet one-way delay: 50.100 ms
Loss rate: 2.61%
```

Run 8: Report of TCP BBR — Data Link

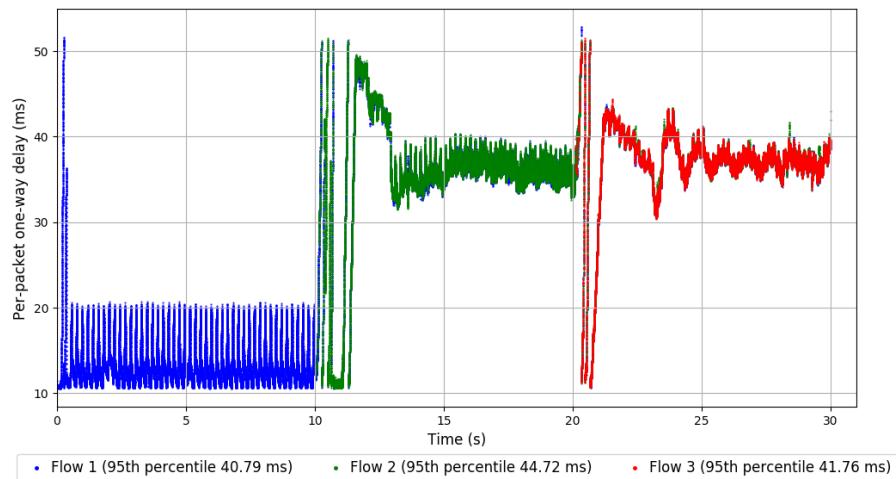
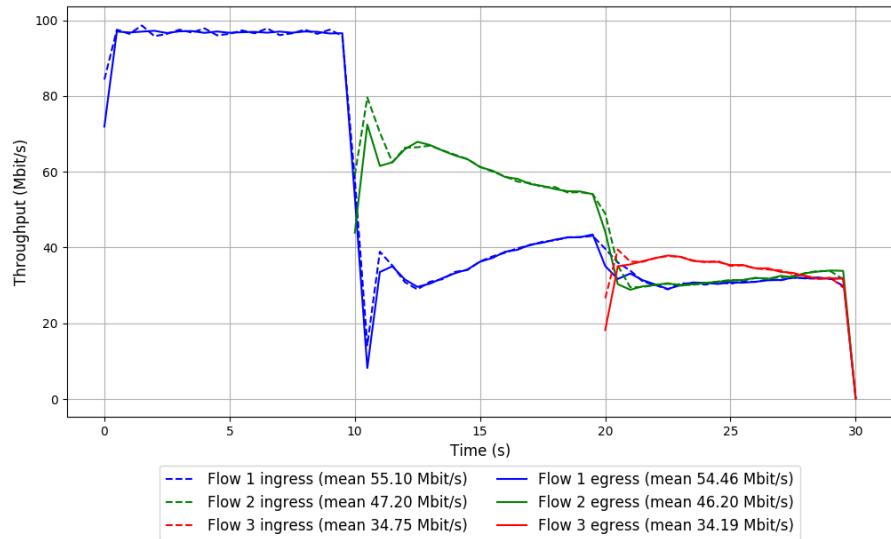


Run 9: Statistics of TCP BBR

```
Start at: 2018-02-28 06:35:48
End at: 2018-02-28 06:36:18
Local clock offset: 2.461 ms
Remote clock offset: -8.021 ms

# Below is generated by plot.py at 2018-02-28 07:41:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: 42.651 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 54.46 Mbit/s
95th percentile per-packet one-way delay: 40.794 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 46.20 Mbit/s
95th percentile per-packet one-way delay: 44.723 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 34.19 Mbit/s
95th percentile per-packet one-way delay: 41.764 ms
Loss rate: 1.52%
```

Run 9: Report of TCP BBR — Data Link

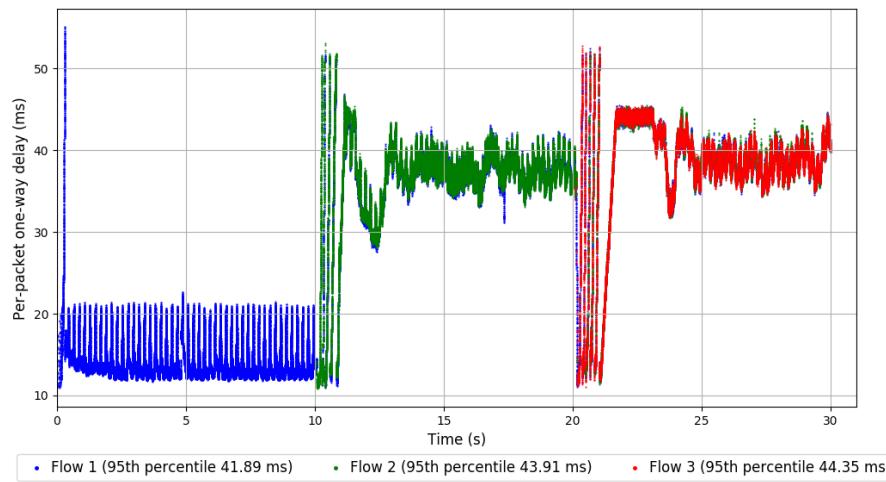
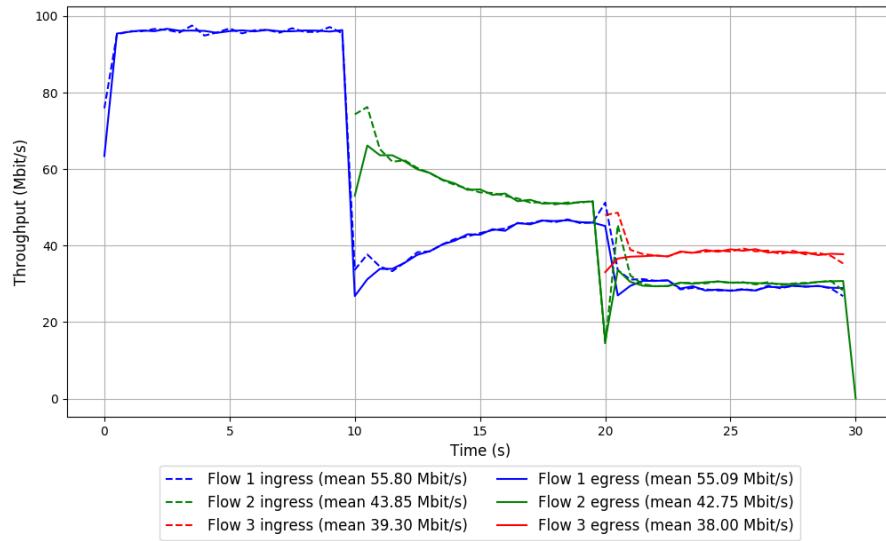


Run 10: Statistics of TCP BBR

```
Start at: 2018-02-28 06:57:09
End at: 2018-02-28 06:57:39
Local clock offset: 4.451 ms
Remote clock offset: -2.991 ms

# Below is generated by plot.py at 2018-02-28 07:41:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 43.770 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 55.09 Mbit/s
95th percentile per-packet one-way delay: 41.889 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 42.75 Mbit/s
95th percentile per-packet one-way delay: 43.906 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 44.355 ms
Loss rate: 3.34%
```

Run 10: Report of TCP BBR — Data Link

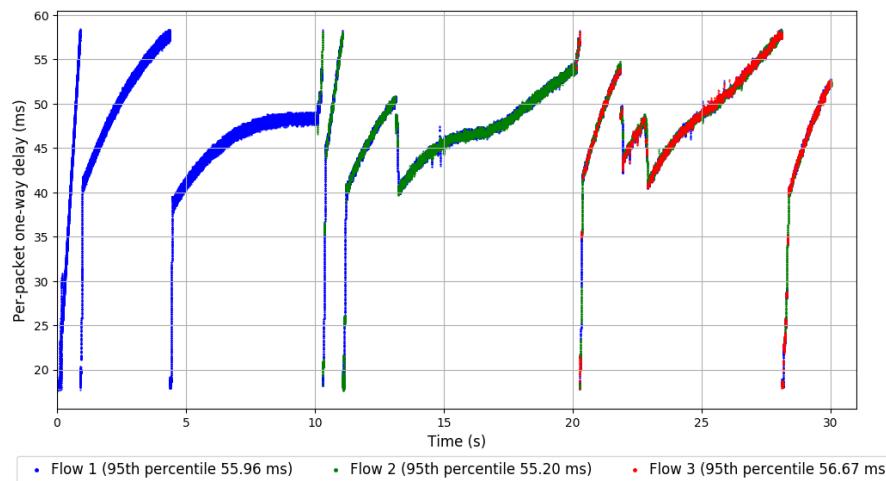
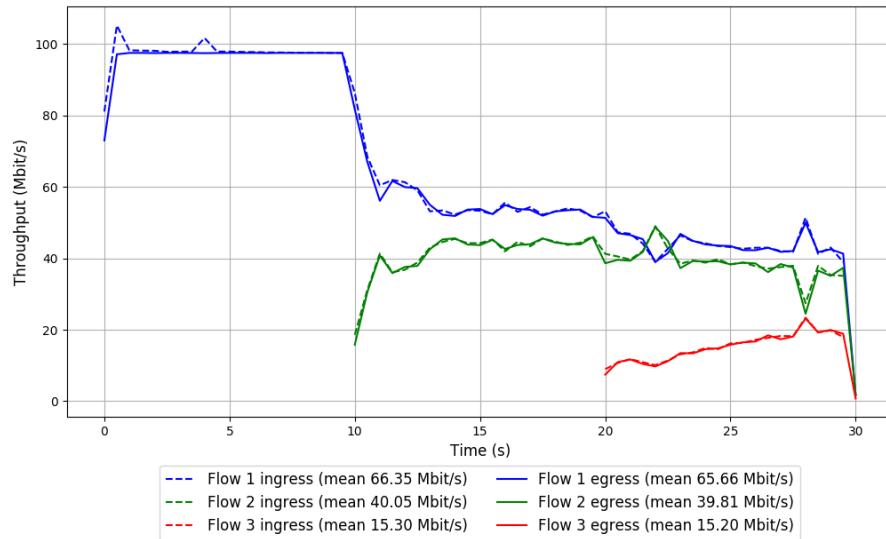


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-02-28 03:31:23
End at: 2018-02-28 03:31:53
Local clock offset: -4.279 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-02-28 07:41:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 55.881 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 65.66 Mbit/s
95th percentile per-packet one-way delay: 55.958 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 55.204 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 15.20 Mbit/s
95th percentile per-packet one-way delay: 56.673 ms
Loss rate: 0.66%
```

Run 1: Report of TCP Cubic — Data Link

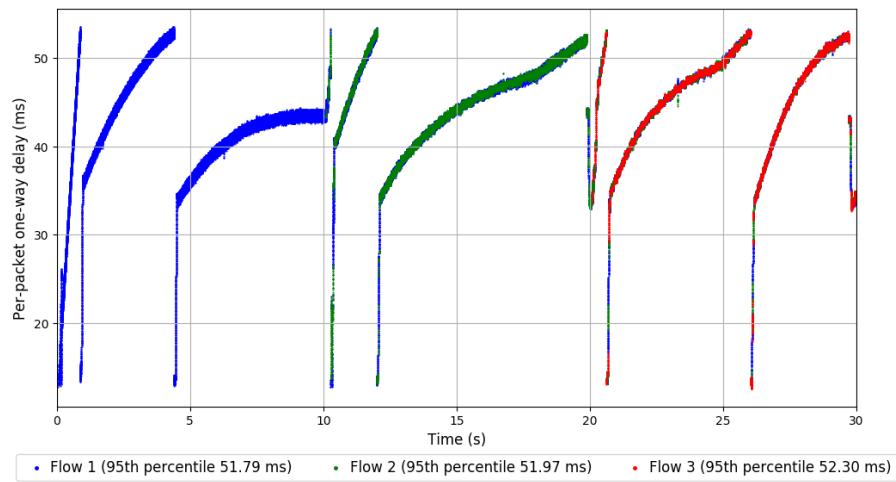
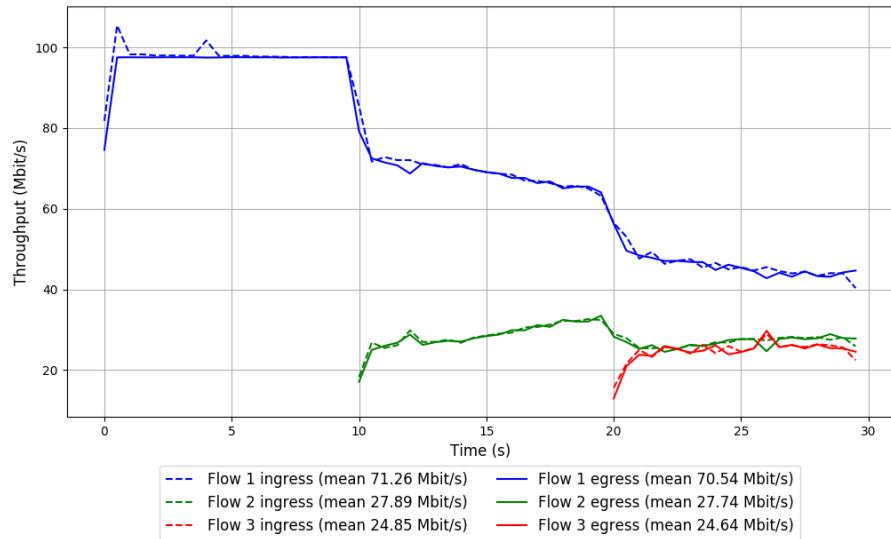


Run 2: Statistics of TCP Cubic

```
Start at: 2018-02-28 03:52:44
End at: 2018-02-28 03:53:14
Local clock offset: 2.422 ms
Remote clock offset: 7.057 ms

# Below is generated by plot.py at 2018-02-28 07:41:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 51.846 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 70.54 Mbit/s
95th percentile per-packet one-way delay: 51.790 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 27.74 Mbit/s
95th percentile per-packet one-way delay: 51.969 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 52.304 ms
Loss rate: 0.83%
```

Run 2: Report of TCP Cubic — Data Link

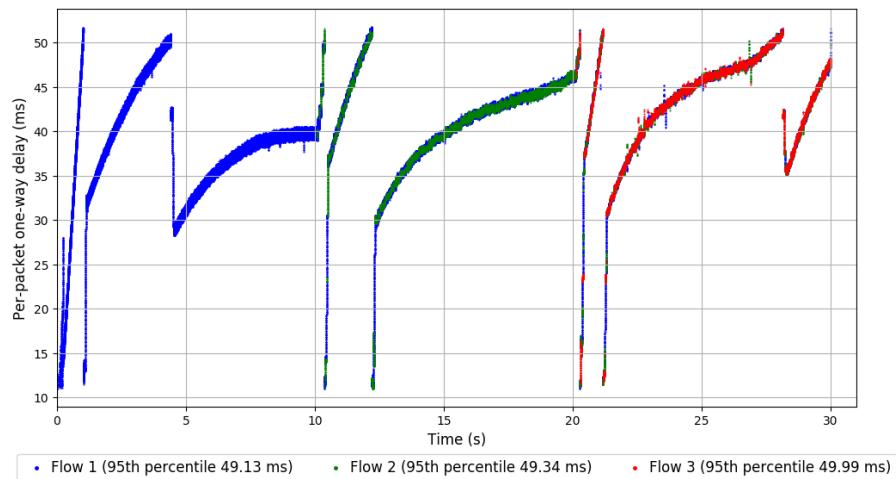
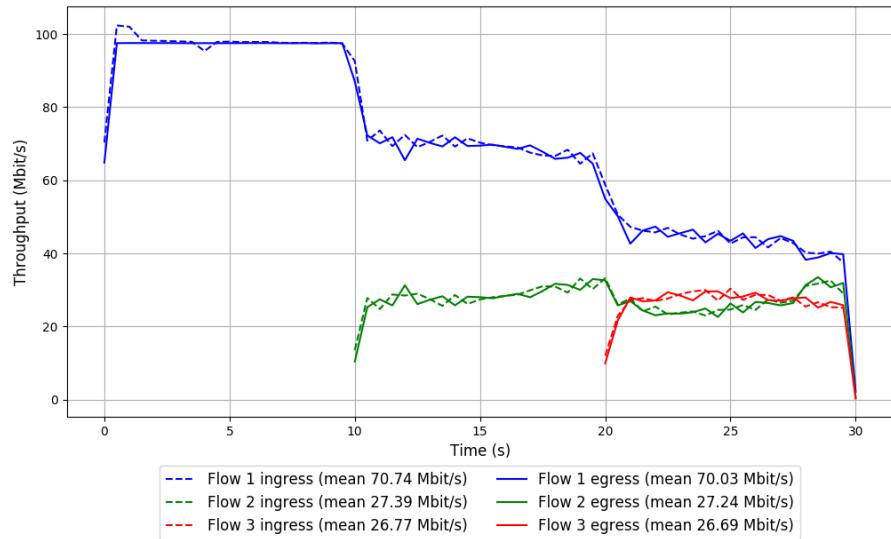


Run 3: Statistics of TCP Cubic

```
Start at: 2018-02-28 04:14:23
End at: 2018-02-28 04:14:53
Local clock offset: 4.384 ms
Remote clock offset: 14.198 ms

# Below is generated by plot.py at 2018-02-28 07:41:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 49.305 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 70.03 Mbit/s
95th percentile per-packet one-way delay: 49.133 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 27.24 Mbit/s
95th percentile per-packet one-way delay: 49.337 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 26.69 Mbit/s
95th percentile per-packet one-way delay: 49.986 ms
Loss rate: 0.31%
```

Run 3: Report of TCP Cubic — Data Link

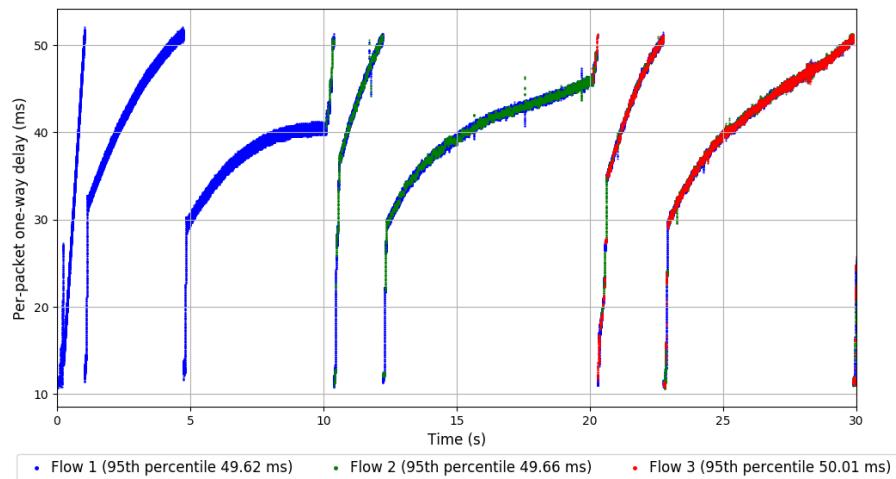
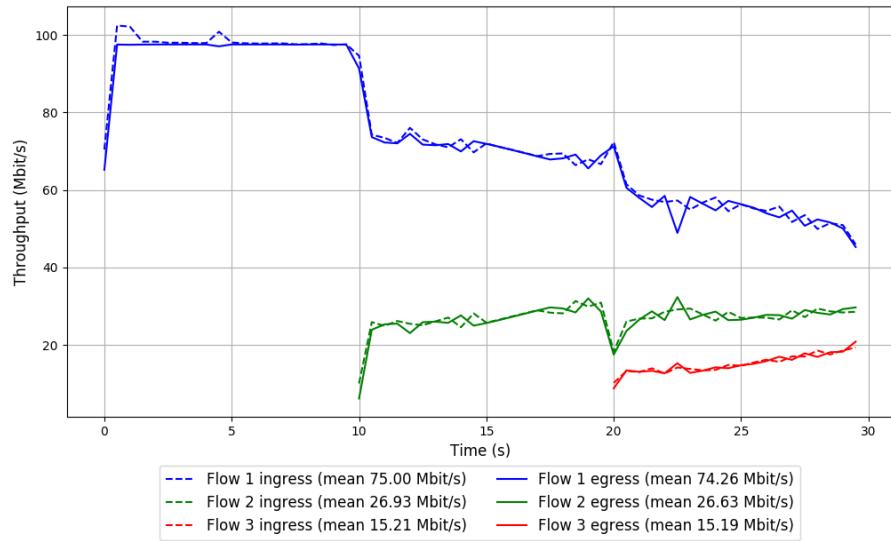


Run 4: Statistics of TCP Cubic

```
Start at: 2018-02-28 04:35:55
End at: 2018-02-28 04:36:25
Local clock offset: 3.806 ms
Remote clock offset: 17.334 ms

# Below is generated by plot.py at 2018-02-28 07:41:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 49.682 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 74.26 Mbit/s
95th percentile per-packet one-way delay: 49.619 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 26.63 Mbit/s
95th percentile per-packet one-way delay: 49.656 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 50.009 ms
Loss rate: 0.36%
```

Run 4: Report of TCP Cubic — Data Link

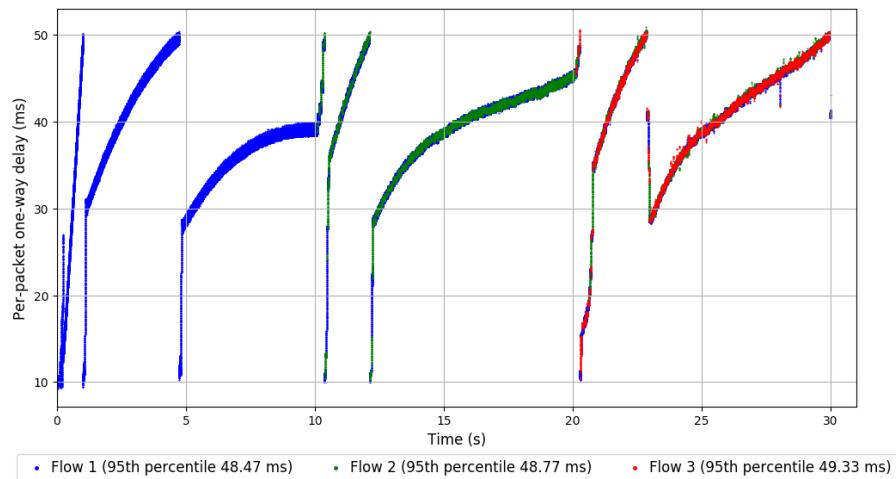
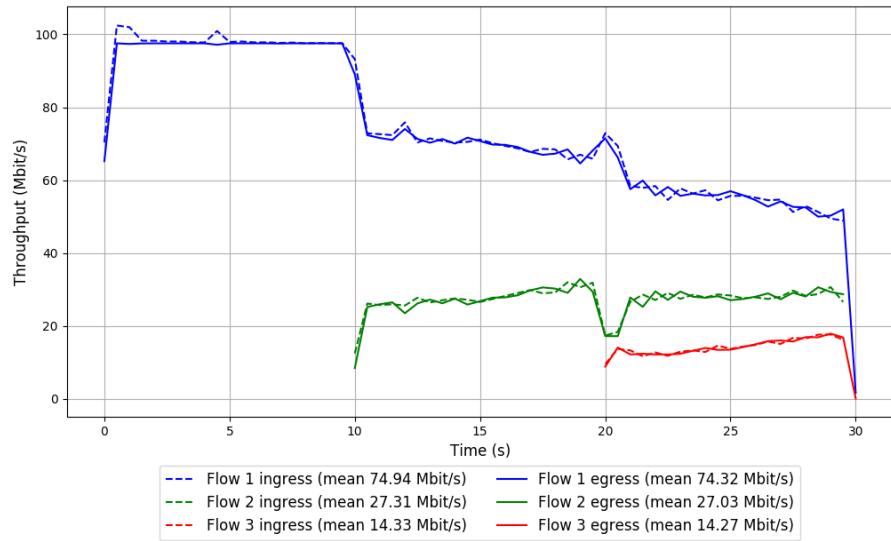


Run 5: Statistics of TCP Cubic

```
Start at: 2018-02-28 04:57:20
End at: 2018-02-28 04:57:50
Local clock offset: 4.629 ms
Remote clock offset: 13.478 ms

# Below is generated by plot.py at 2018-02-28 07:41:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 48.585 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 74.32 Mbit/s
95th percentile per-packet one-way delay: 48.466 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 27.03 Mbit/s
95th percentile per-packet one-way delay: 48.775 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 49.332 ms
Loss rate: 0.41%
```

Run 5: Report of TCP Cubic — Data Link

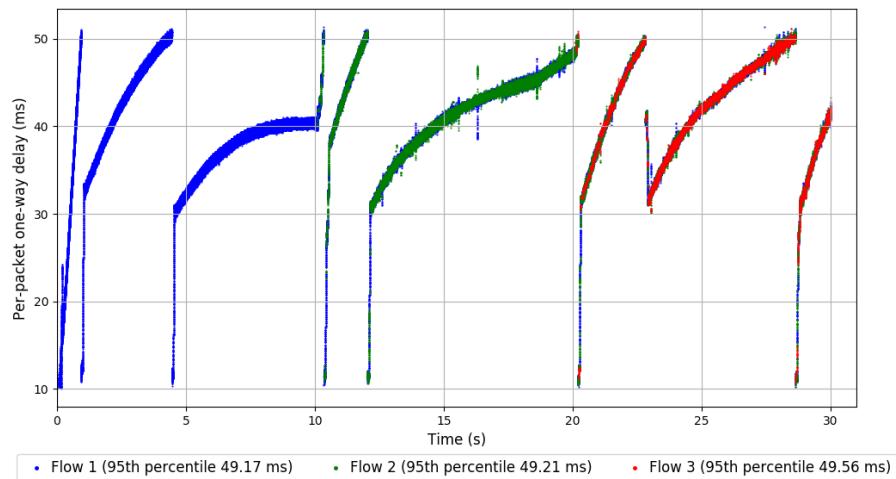
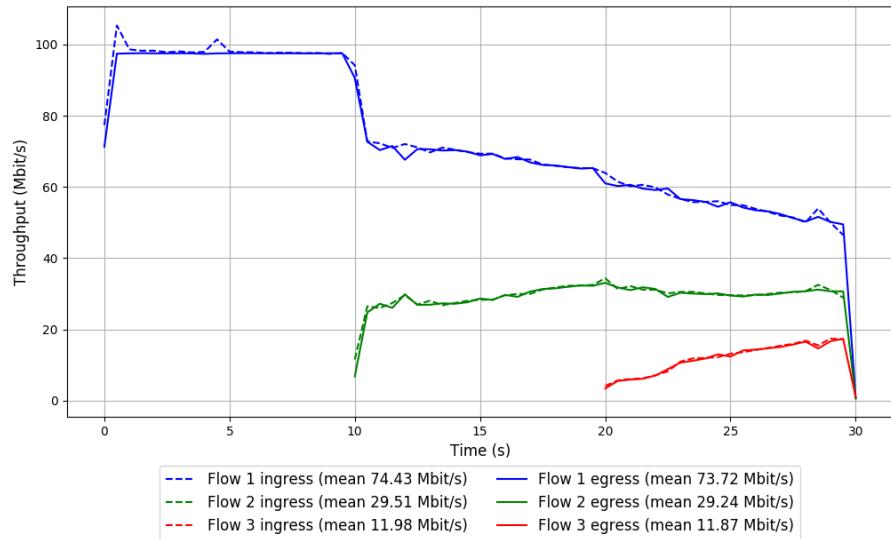


Run 6: Statistics of TCP Cubic

```
Start at: 2018-02-28 05:18:44
End at: 2018-02-28 05:19:14
Local clock offset: 4.307 ms
Remote clock offset: -4.273 ms

# Below is generated by plot.py at 2018-02-28 07:41:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 49.213 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 73.72 Mbit/s
95th percentile per-packet one-way delay: 49.173 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 29.24 Mbit/s
95th percentile per-packet one-way delay: 49.206 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 11.87 Mbit/s
95th percentile per-packet one-way delay: 49.561 ms
Loss rate: 1.01%
```

Run 6: Report of TCP Cubic — Data Link

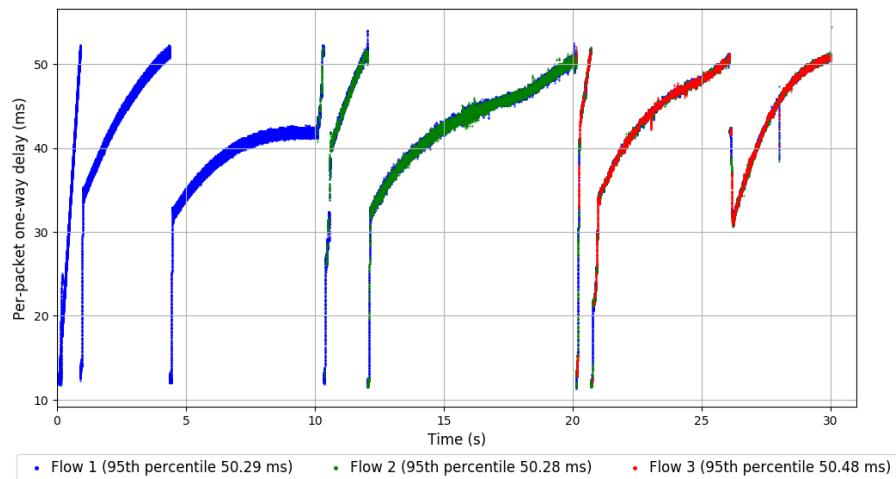
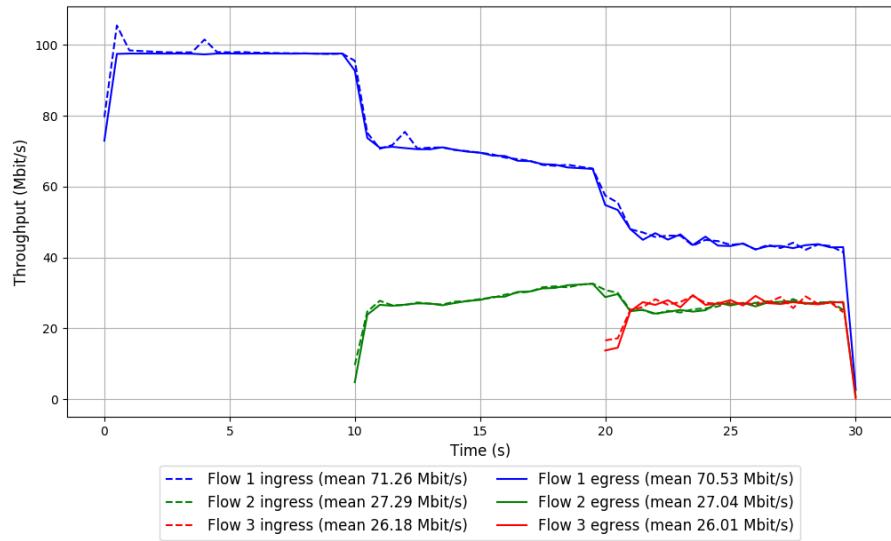


Run 7: Statistics of TCP Cubic

```
Start at: 2018-02-28 05:40:02
End at: 2018-02-28 05:40:32
Local clock offset: 1.364 ms
Remote clock offset: -4.234 ms

# Below is generated by plot.py at 2018-02-28 07:42:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 50.356 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 70.53 Mbit/s
95th percentile per-packet one-way delay: 50.290 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 27.04 Mbit/s
95th percentile per-packet one-way delay: 50.276 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 26.01 Mbit/s
95th percentile per-packet one-way delay: 50.481 ms
Loss rate: 0.64%
```

Run 7: Report of TCP Cubic — Data Link

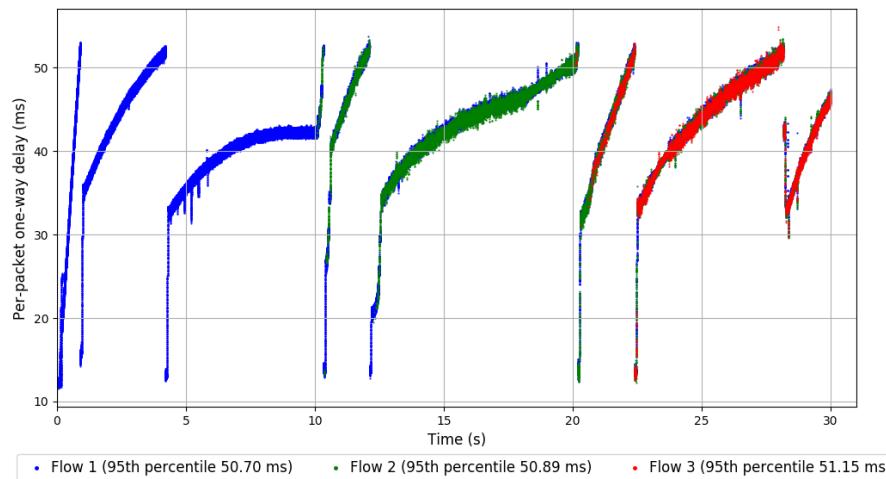
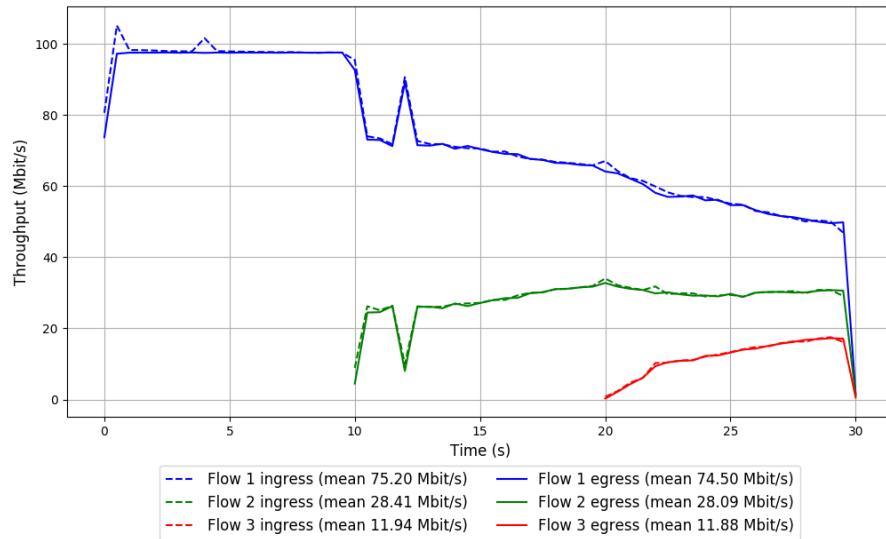


Run 8: Statistics of TCP Cubic

```
Start at: 2018-02-28 06:01:21
End at: 2018-02-28 06:01:51
Local clock offset: 0.747 ms
Remote clock offset: -5.656 ms

# Below is generated by plot.py at 2018-02-28 07:42:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 50.766 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 74.50 Mbit/s
95th percentile per-packet one-way delay: 50.696 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 28.09 Mbit/s
95th percentile per-packet one-way delay: 50.890 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 51.148 ms
Loss rate: 0.55%
```

Run 8: Report of TCP Cubic — Data Link

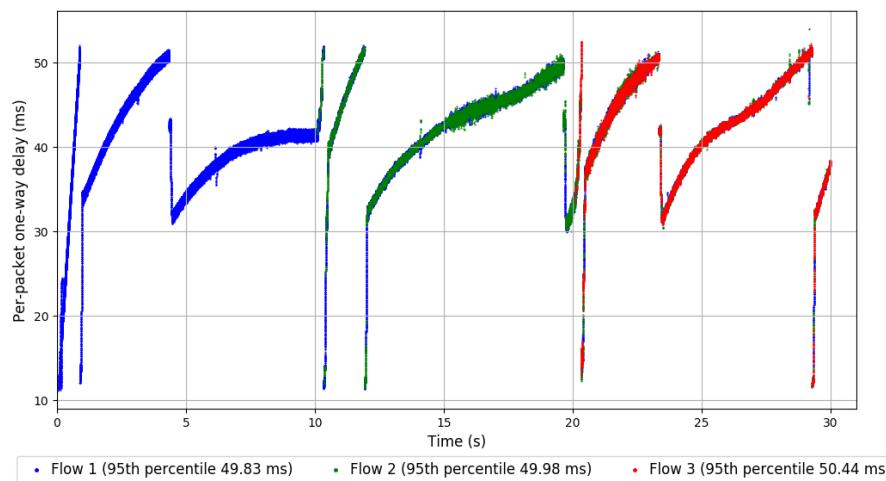
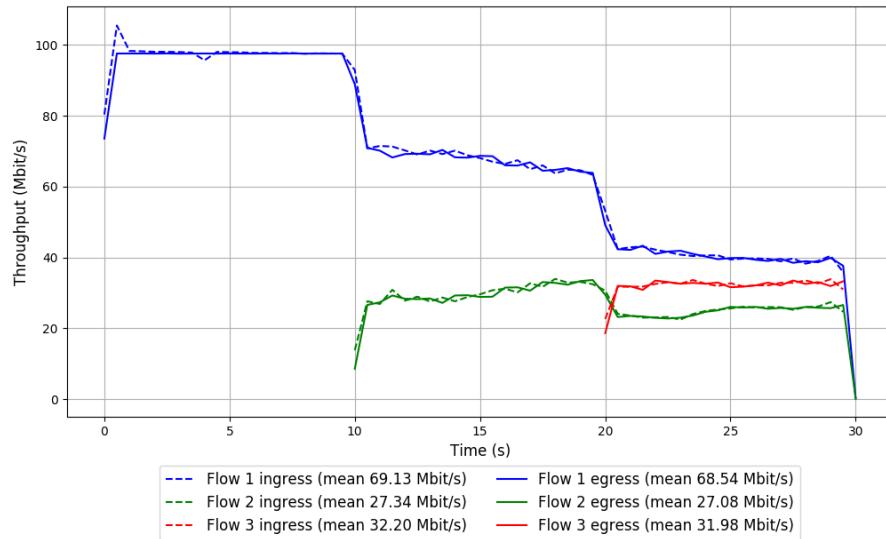


Run 9: Statistics of TCP Cubic

```
Start at: 2018-02-28 06:22:36
End at: 2018-02-28 06:23:06
Local clock offset: 2.672 ms
Remote clock offset: -5.474 ms

# Below is generated by plot.py at 2018-02-28 07:42:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 49.986 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 68.54 Mbit/s
95th percentile per-packet one-way delay: 49.825 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 27.08 Mbit/s
95th percentile per-packet one-way delay: 49.981 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 31.98 Mbit/s
95th percentile per-packet one-way delay: 50.437 ms
Loss rate: 0.66%
```

Run 9: Report of TCP Cubic — Data Link

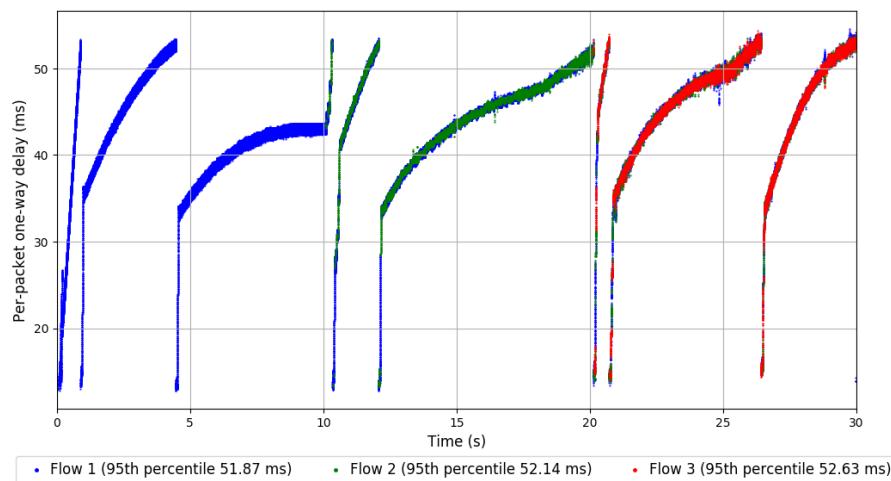
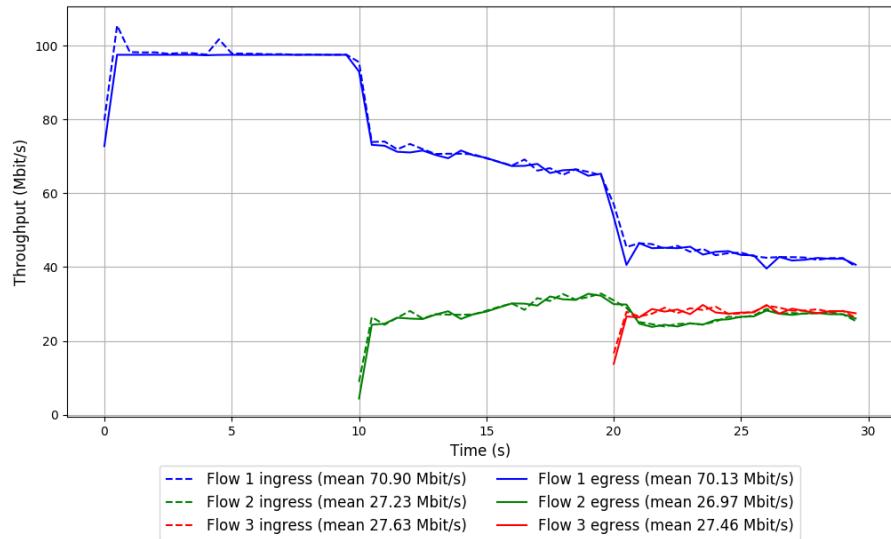


Run 10: Statistics of TCP Cubic

```
Start at: 2018-02-28 06:43:57
End at: 2018-02-28 06:44:27
Local clock offset: 1.314 ms
Remote clock offset: -4.699 ms

# Below is generated by plot.py at 2018-02-28 07:42:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 51.981 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 70.13 Mbit/s
95th percentile per-packet one-way delay: 51.871 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 52.137 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 27.46 Mbit/s
95th percentile per-packet one-way delay: 52.631 ms
Loss rate: 1.00%
```

Run 10: Report of TCP Cubic — Data Link

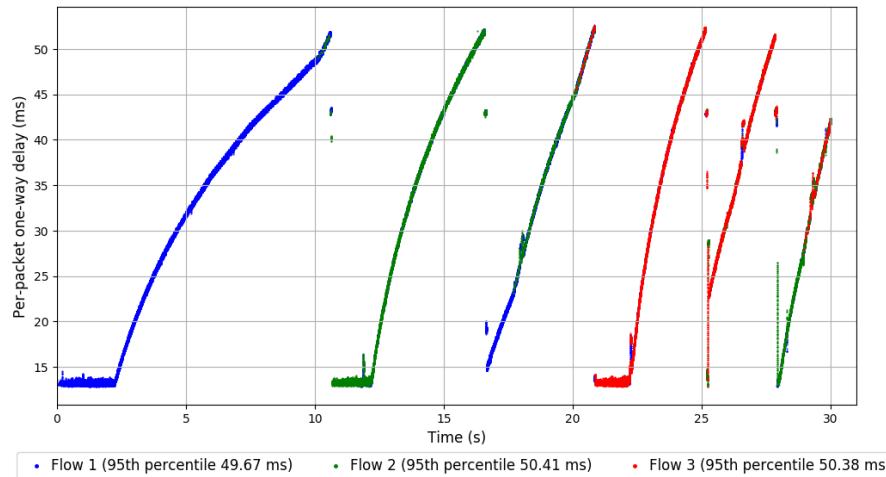
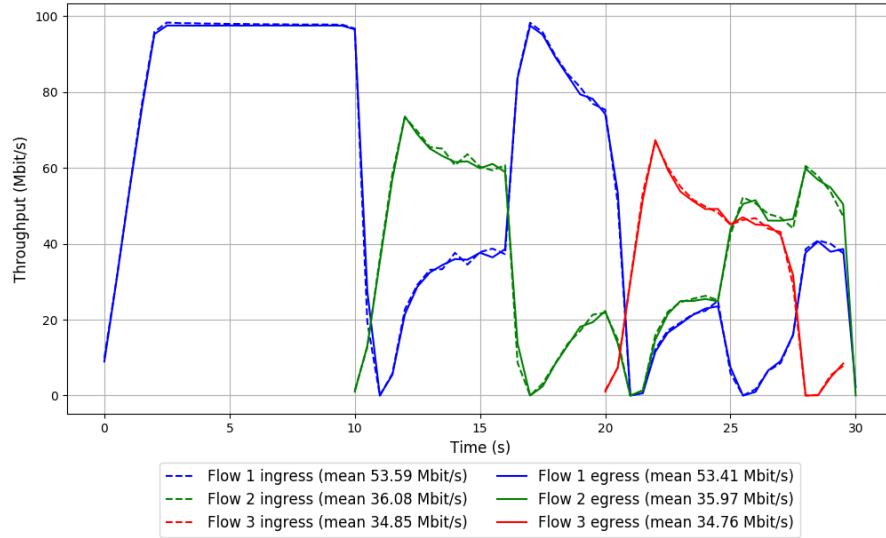


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-02-28 03:32:34
End at: 2018-02-28 03:33:04
Local clock offset: 0.635 ms
Remote clock offset: 0.141 ms

# Below is generated by plot.py at 2018-02-28 07:42:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.82 Mbit/s
95th percentile per-packet one-way delay: 50.070 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 53.41 Mbit/s
95th percentile per-packet one-way delay: 49.666 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 35.97 Mbit/s
95th percentile per-packet one-way delay: 50.415 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 50.383 ms
Loss rate: 0.29%
```

Run 1: Report of LEDBAT — Data Link

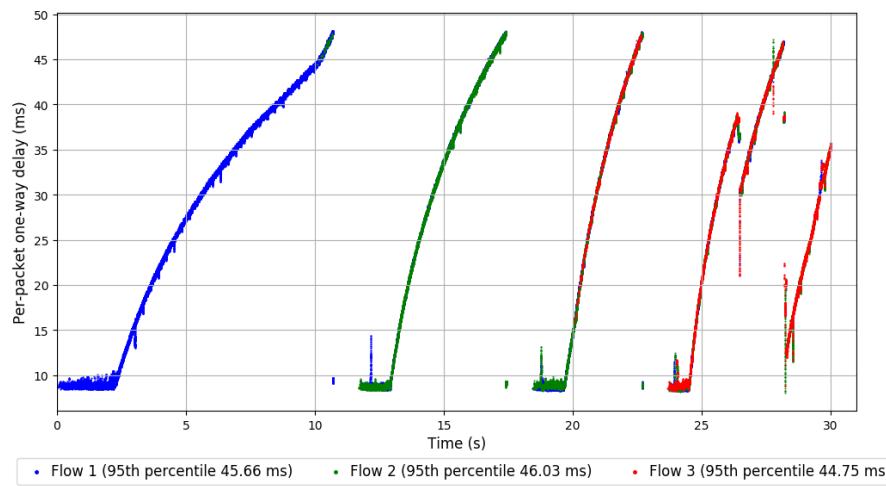
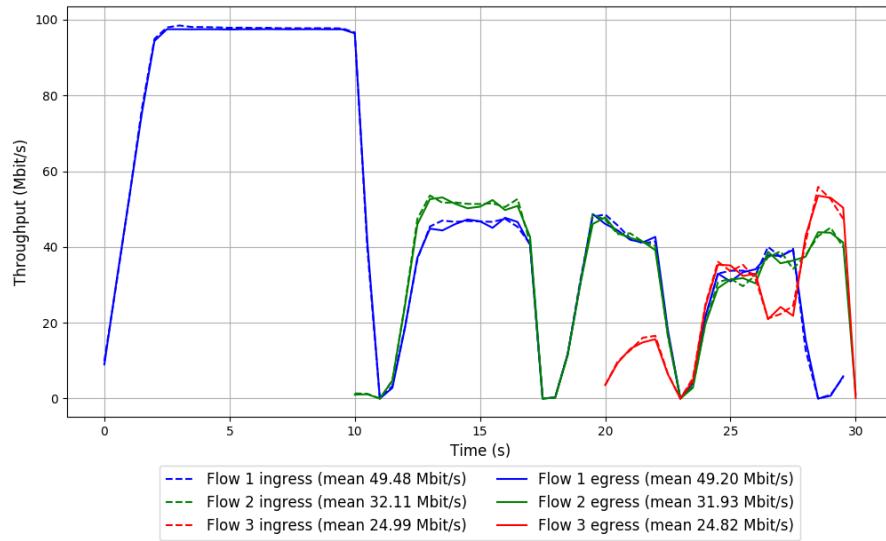


Run 2: Statistics of LEDBAT

```
Start at: 2018-02-28 03:53:55
End at: 2018-02-28 03:54:25
Local clock offset: 6.283 ms
Remote clock offset: 7.202 ms

# Below is generated by plot.py at 2018-02-28 07:42:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.66 Mbit/s
95th percentile per-packet one-way delay: 45.722 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 45.663 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 46.034 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 44.748 ms
Loss rate: 0.48%
```

Run 2: Report of LEDBAT — Data Link

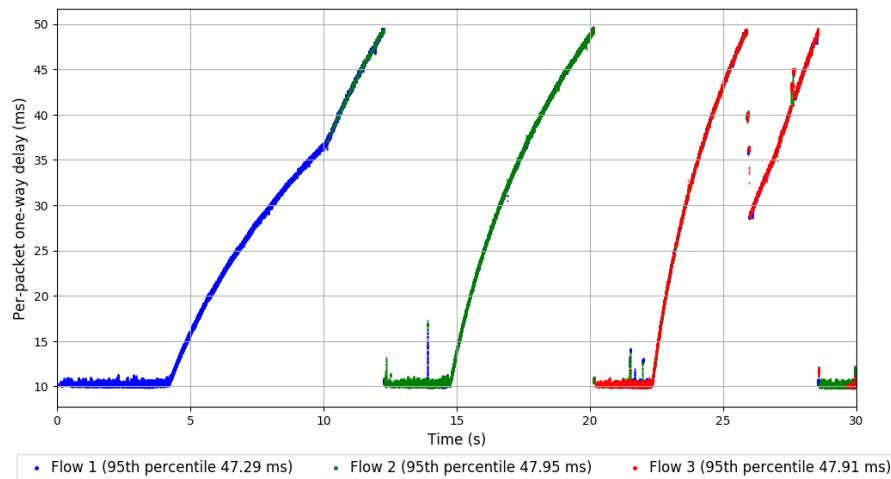
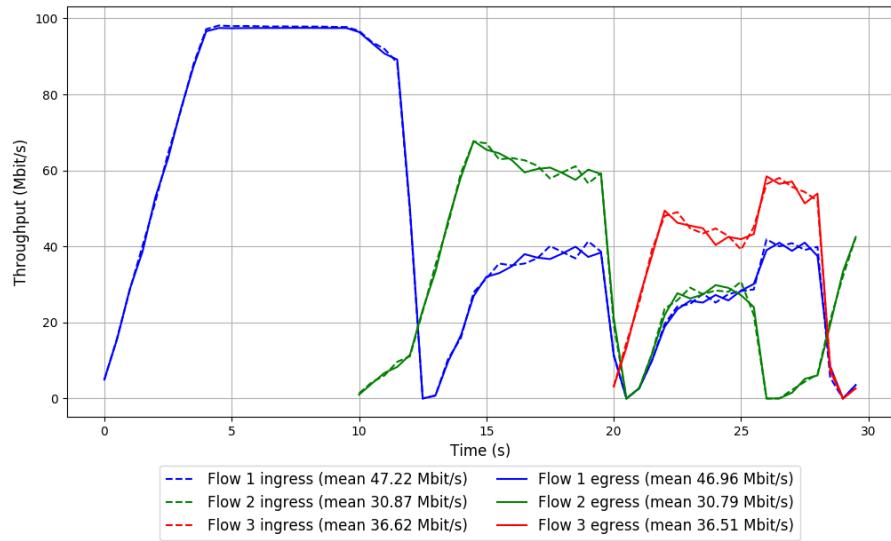


Run 3: Statistics of LEDBAT

```
Start at: 2018-02-28 04:15:34
End at: 2018-02-28 04:16:04
Local clock offset: 5.239 ms
Remote clock offset: 14.27 ms

# Below is generated by plot.py at 2018-02-28 07:42:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.47 Mbit/s
95th percentile per-packet one-way delay: 47.639 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 46.96 Mbit/s
95th percentile per-packet one-way delay: 47.291 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 30.79 Mbit/s
95th percentile per-packet one-way delay: 47.953 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 36.51 Mbit/s
95th percentile per-packet one-way delay: 47.907 ms
Loss rate: 0.68%
```

Run 3: Report of LEDBAT — Data Link

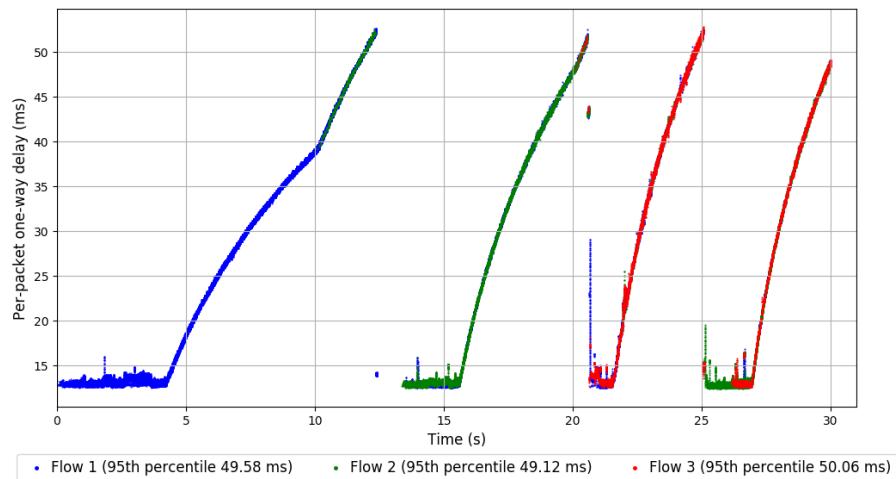
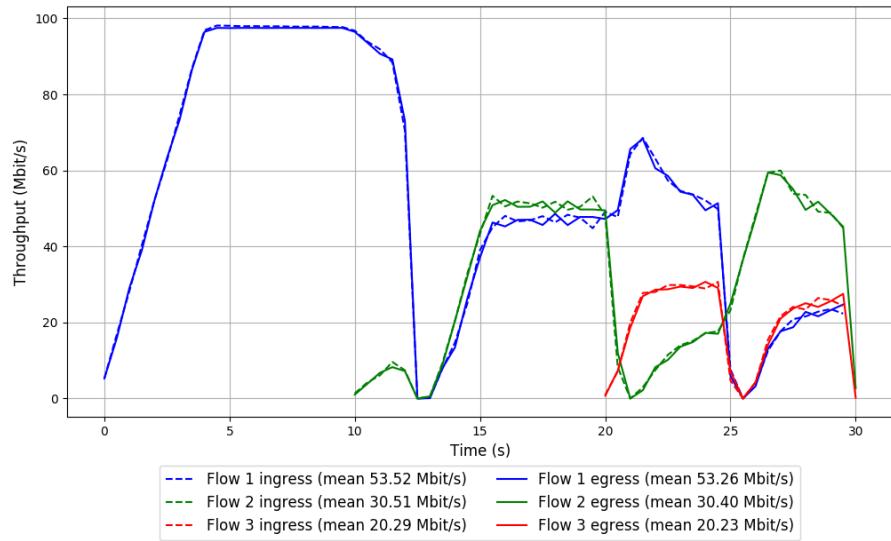


Run 4: Statistics of LEDBAT

```
Start at: 2018-02-28 04:37:05
End at: 2018-02-28 04:37:35
Local clock offset: 2.408 ms
Remote clock offset: 18.019 ms

# Below is generated by plot.py at 2018-02-28 07:42:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.14 Mbit/s
95th percentile per-packet one-way delay: 49.467 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 53.26 Mbit/s
95th percentile per-packet one-way delay: 49.583 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 49.116 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 20.23 Mbit/s
95th percentile per-packet one-way delay: 50.062 ms
Loss rate: 0.27%
```

Run 4: Report of LEDBAT — Data Link

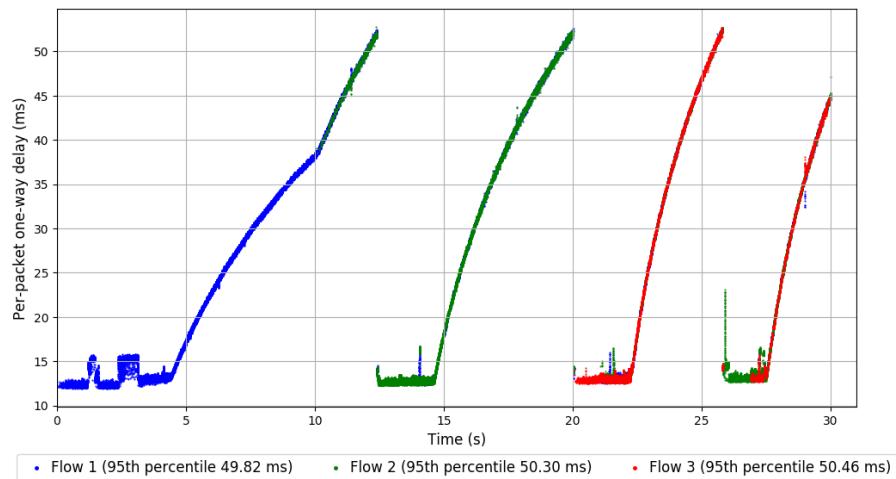
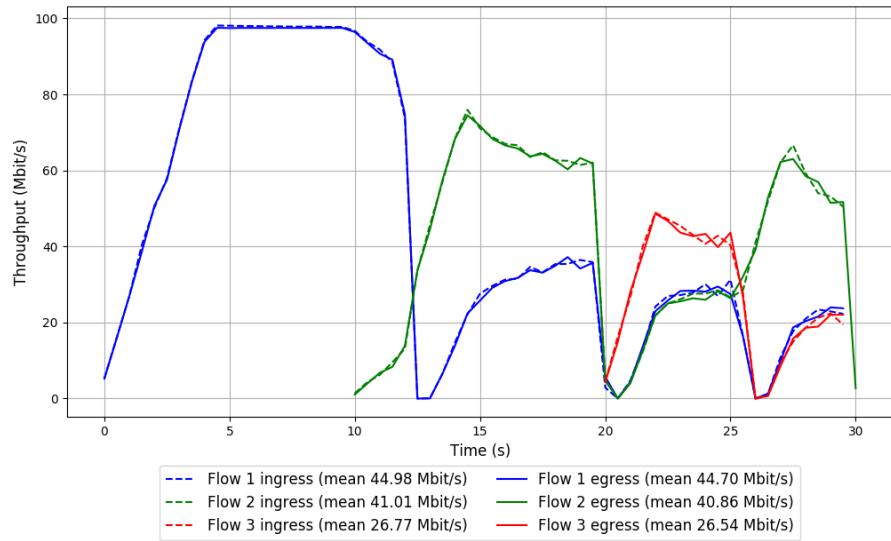


Run 5: Statistics of LEDBAT

```
Start at: 2018-02-28 04:58:31
End at: 2018-02-28 04:59:01
Local clock offset: 3.333 ms
Remote clock offset: 12.526 ms

# Below is generated by plot.py at 2018-02-28 07:43:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.63 Mbit/s
95th percentile per-packet one-way delay: 50.061 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 44.70 Mbit/s
95th percentile per-packet one-way delay: 49.824 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 40.86 Mbit/s
95th percentile per-packet one-way delay: 50.303 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 26.54 Mbit/s
95th percentile per-packet one-way delay: 50.463 ms
Loss rate: 0.57%
```

Run 5: Report of LEDBAT — Data Link

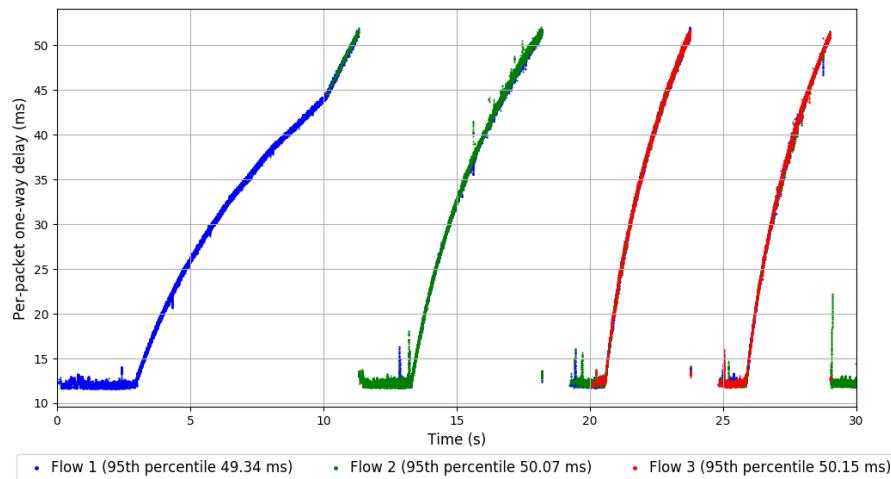
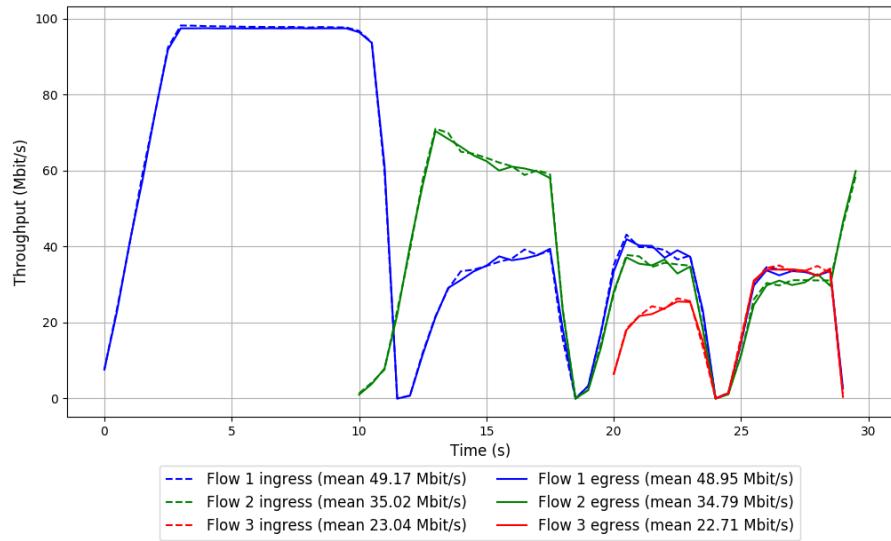


Run 6: Statistics of LEDBAT

```
Start at: 2018-02-28 05:19:54
End at: 2018-02-28 05:20:24
Local clock offset: 1.914 ms
Remote clock offset: -5.378 ms

# Below is generated by plot.py at 2018-02-28 07:43:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.35 Mbit/s
95th percentile per-packet one-way delay: 49.741 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 48.95 Mbit/s
95th percentile per-packet one-way delay: 49.336 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 34.79 Mbit/s
95th percentile per-packet one-way delay: 50.071 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 22.71 Mbit/s
95th percentile per-packet one-way delay: 50.145 ms
Loss rate: 1.40%
```

Run 6: Report of LEDBAT — Data Link

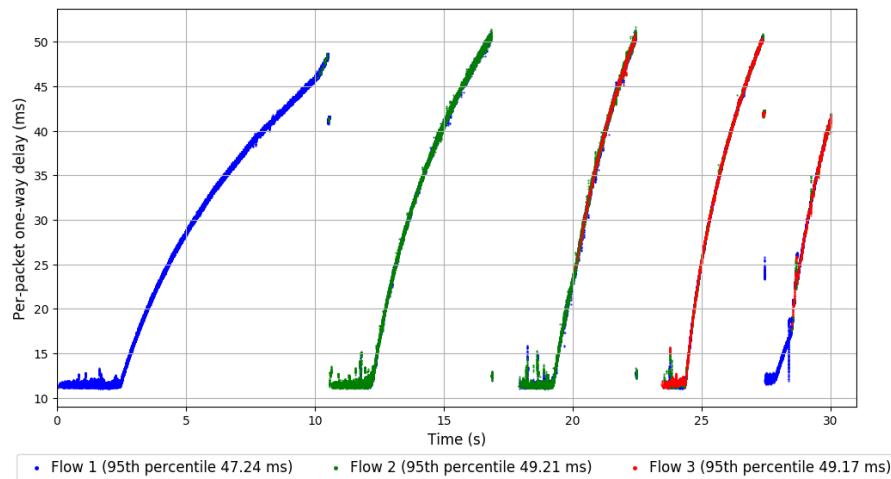
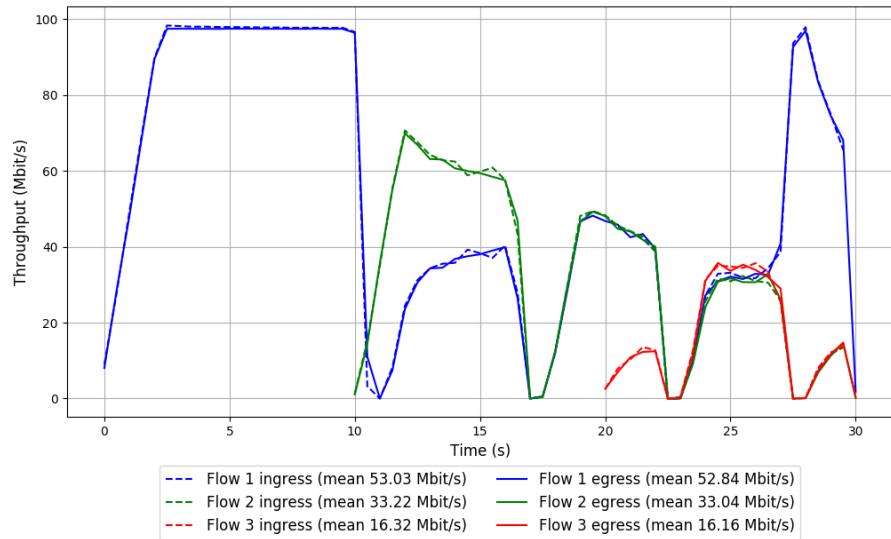


Run 7: Statistics of LEDBAT

```
Start at: 2018-02-28 05:41:13
End at: 2018-02-28 05:41:43
Local clock offset: 1.637 ms
Remote clock offset: -3.913 ms

# Below is generated by plot.py at 2018-02-28 07:43:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.17 Mbit/s
95th percentile per-packet one-way delay: 48.205 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 52.84 Mbit/s
95th percentile per-packet one-way delay: 47.236 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 33.04 Mbit/s
95th percentile per-packet one-way delay: 49.213 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 16.16 Mbit/s
95th percentile per-packet one-way delay: 49.168 ms
Loss rate: 0.80%
```

Run 7: Report of LEDBAT — Data Link

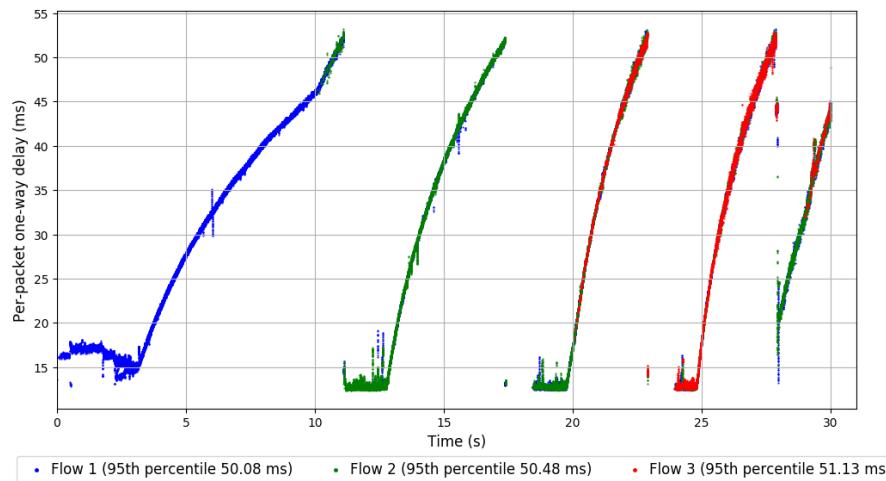
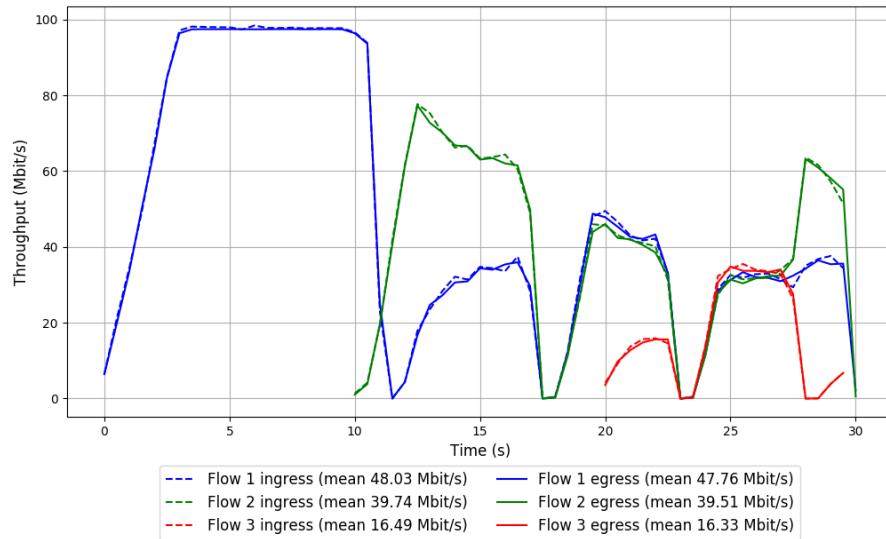


Run 8: Statistics of LEDBAT

```
Start at: 2018-02-28 06:02:32
End at: 2018-02-28 06:03:02
Local clock offset: 0.528 ms
Remote clock offset: -5.082 ms

# Below is generated by plot.py at 2018-02-28 07:43:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.44 Mbit/s
95th percentile per-packet one-way delay: 50.298 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 47.76 Mbit/s
95th percentile per-packet one-way delay: 50.082 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 50.484 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 16.33 Mbit/s
95th percentile per-packet one-way delay: 51.135 ms
Loss rate: 0.72%
```

Run 8: Report of LEDBAT — Data Link

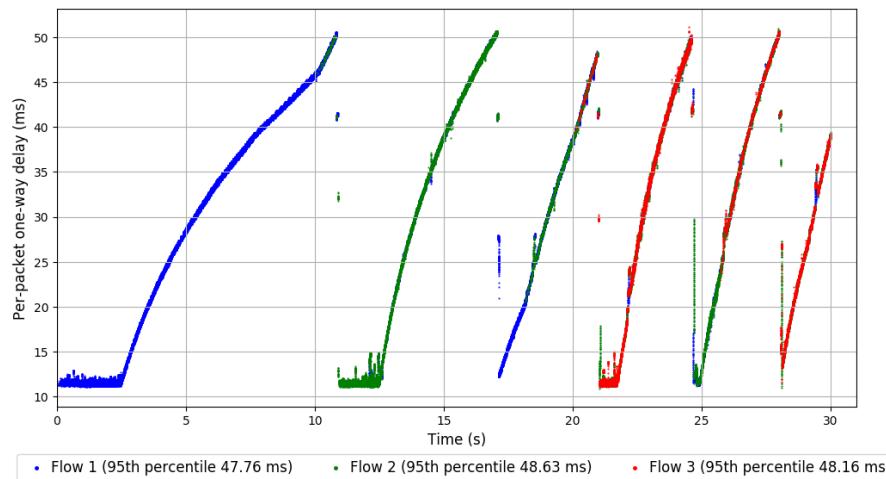
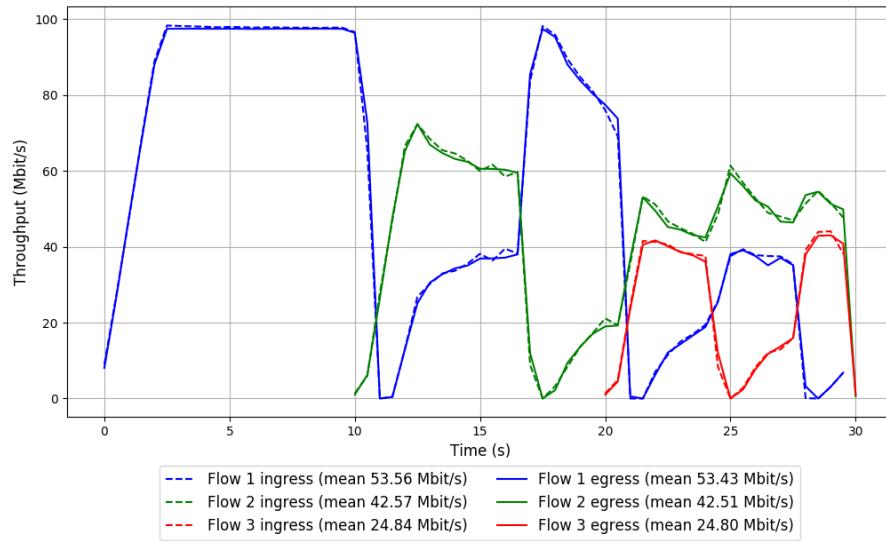


Run 9: Statistics of LEDBAT

```
Start at: 2018-02-28 06:23:46
End at: 2018-02-28 06:24:16
Local clock offset: 1.727 ms
Remote clock offset: -6.62 ms

# Below is generated by plot.py at 2018-02-28 07:43:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: 48.138 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 53.43 Mbit/s
95th percentile per-packet one-way delay: 47.762 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 42.51 Mbit/s
95th percentile per-packet one-way delay: 48.626 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 48.163 ms
Loss rate: 0.17%
```

Run 9: Report of LEDBAT — Data Link

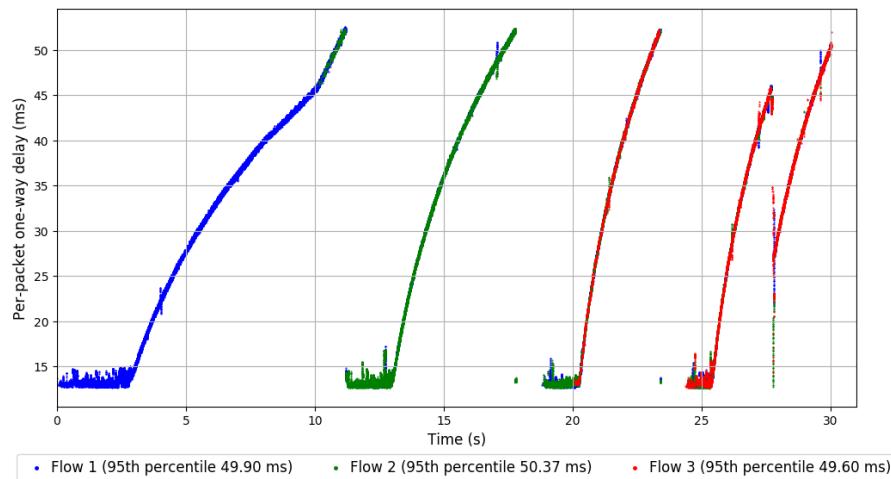
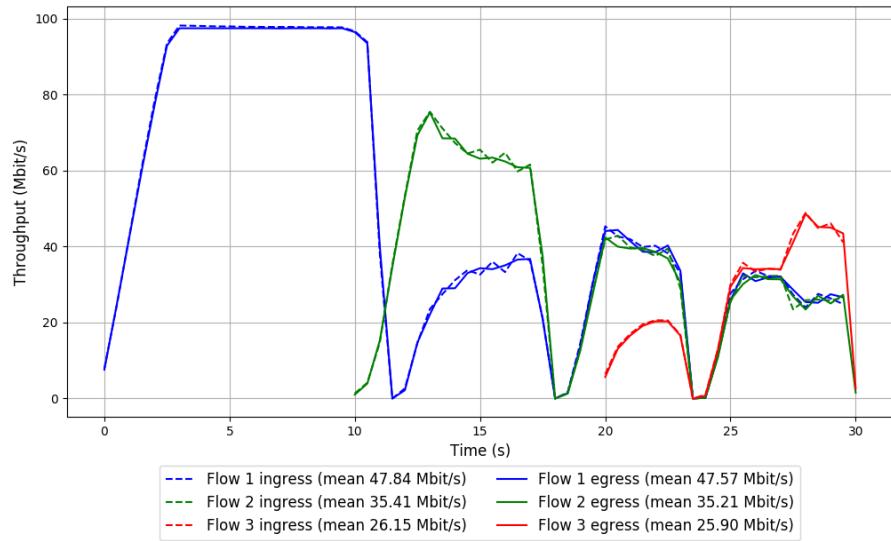


Run 10: Statistics of LEDBAT

```
Start at: 2018-02-28 06:45:07
End at: 2018-02-28 06:45:37
Local clock offset: 0.729 ms
Remote clock offset: -5.094 ms

# Below is generated by plot.py at 2018-02-28 07:43:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.55 Mbit/s
95th percentile per-packet one-way delay: 50.093 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 47.57 Mbit/s
95th percentile per-packet one-way delay: 49.901 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 35.21 Mbit/s
95th percentile per-packet one-way delay: 50.371 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 25.90 Mbit/s
95th percentile per-packet one-way delay: 49.596 ms
Loss rate: 0.55%
```

Run 10: Report of LEDBAT — Data Link

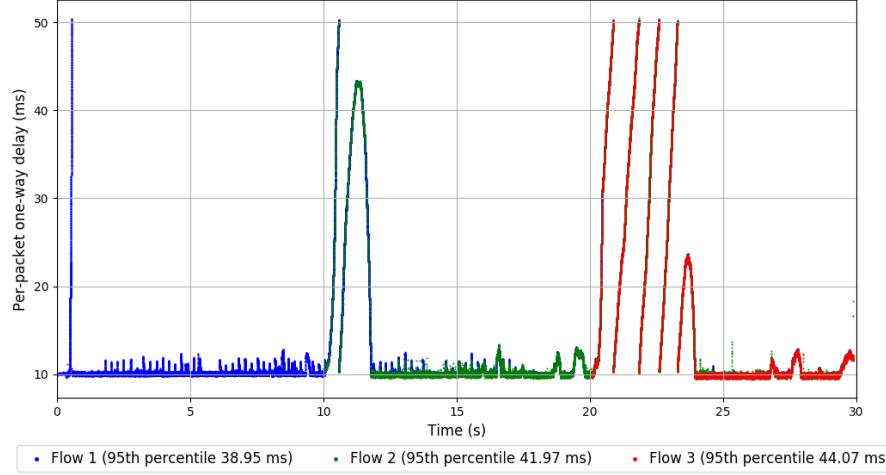
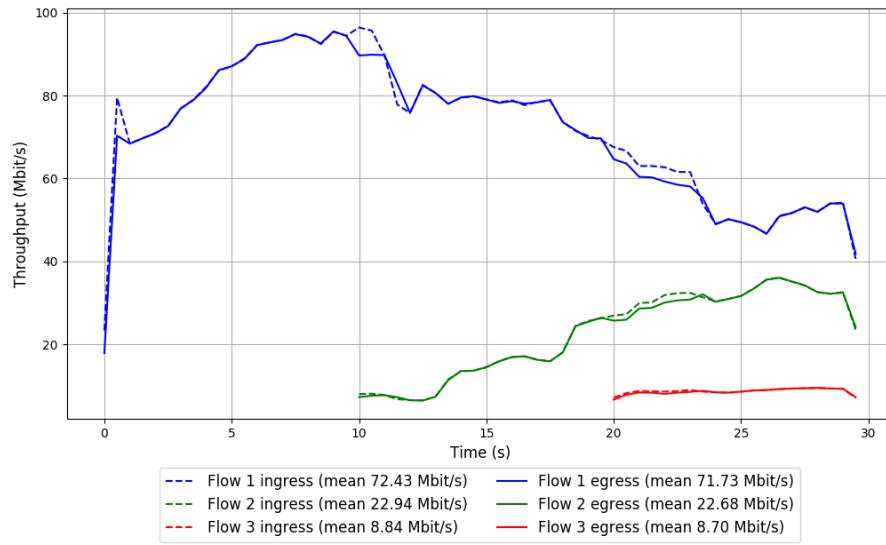


Run 1: Statistics of PCC

```
Start at: 2018-02-28 03:49:17
End at: 2018-02-28 03:49:47
Local clock offset: 4.847 ms
Remote clock offset: 4.273 ms

# Below is generated by plot.py at 2018-02-28 07:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.67 Mbit/s
95th percentile per-packet one-way delay: 39.931 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 71.73 Mbit/s
95th percentile per-packet one-way delay: 38.953 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 22.68 Mbit/s
95th percentile per-packet one-way delay: 41.973 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 44.072 ms
Loss rate: 1.54%
```

Run 1: Report of PCC — Data Link

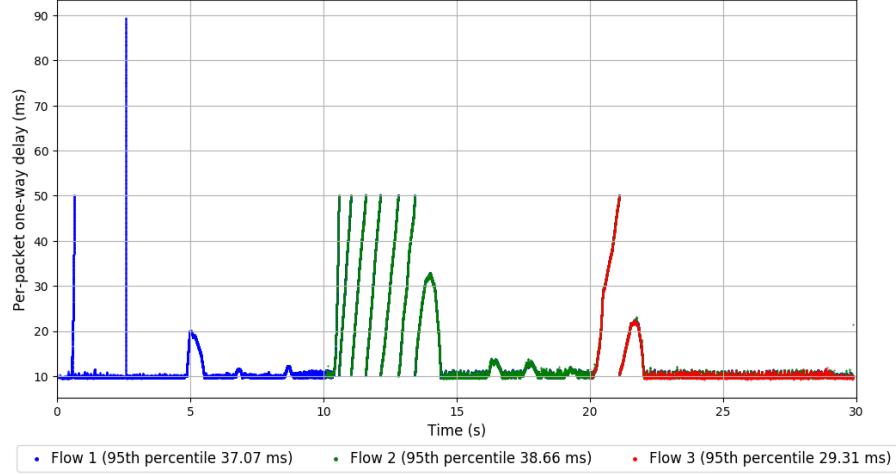
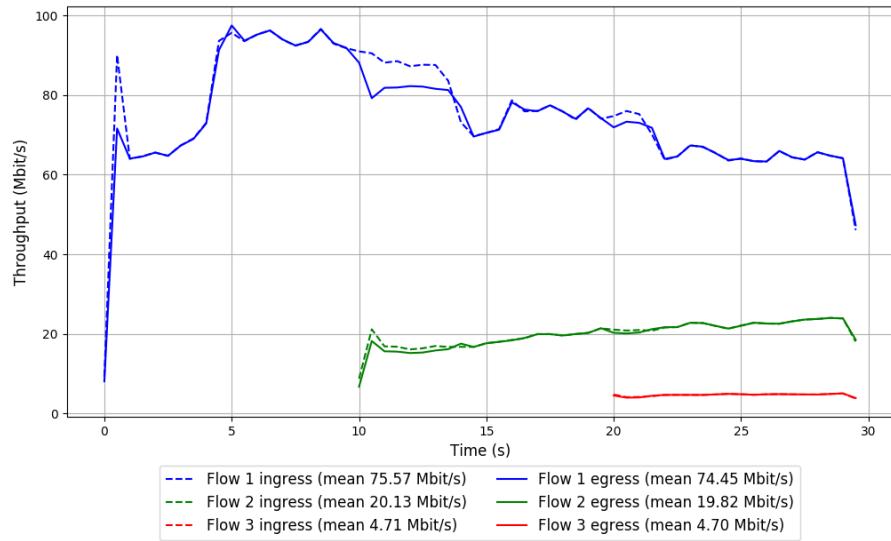


Run 2: Statistics of PCC

```
Start at: 2018-02-28 04:10:52
End at: 2018-02-28 04:11:22
Local clock offset: 6.151 ms
Remote clock offset: 13.86 ms

# Below is generated by plot.py at 2018-02-28 07:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.15 Mbit/s
95th percentile per-packet one-way delay: 37.235 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 74.45 Mbit/s
95th percentile per-packet one-way delay: 37.070 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 19.82 Mbit/s
95th percentile per-packet one-way delay: 38.663 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 29.312 ms
Loss rate: 0.34%
```

Run 2: Report of PCC — Data Link

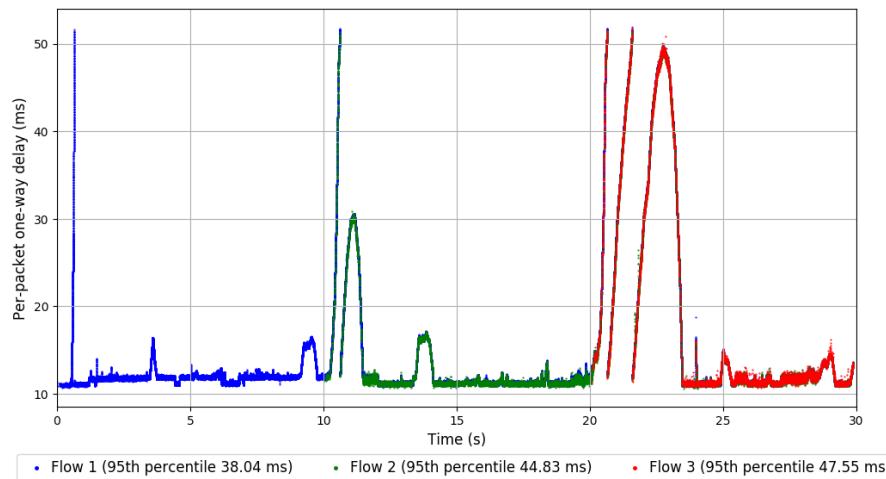
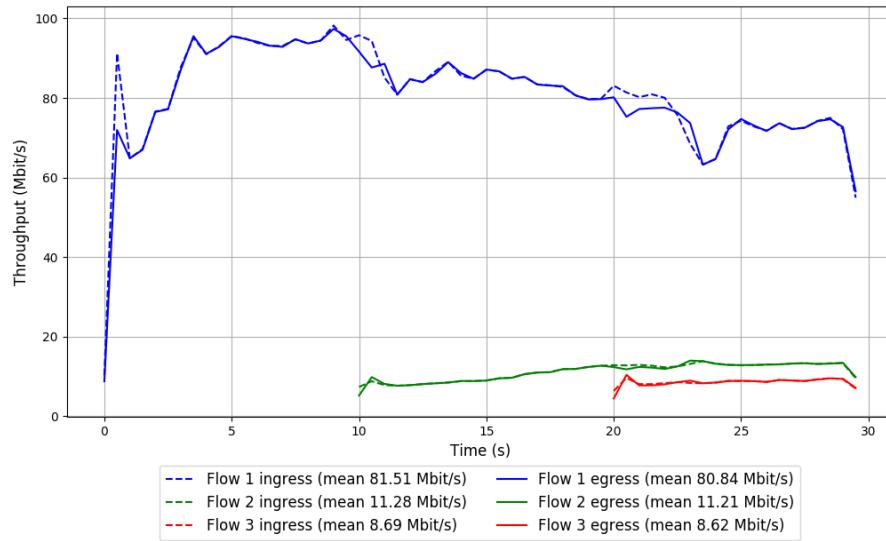


Run 3: Statistics of PCC

```
Start at: 2018-02-28 04:32:27
End at: 2018-02-28 04:32:57
Local clock offset: 5.269 ms
Remote clock offset: 18.352 ms

# Below is generated by plot.py at 2018-02-28 07:44:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 40.285 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 80.84 Mbit/s
95th percentile per-packet one-way delay: 38.036 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 11.21 Mbit/s
95th percentile per-packet one-way delay: 44.834 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 8.62 Mbit/s
95th percentile per-packet one-way delay: 47.552 ms
Loss rate: 0.76%
```

Run 3: Report of PCC — Data Link

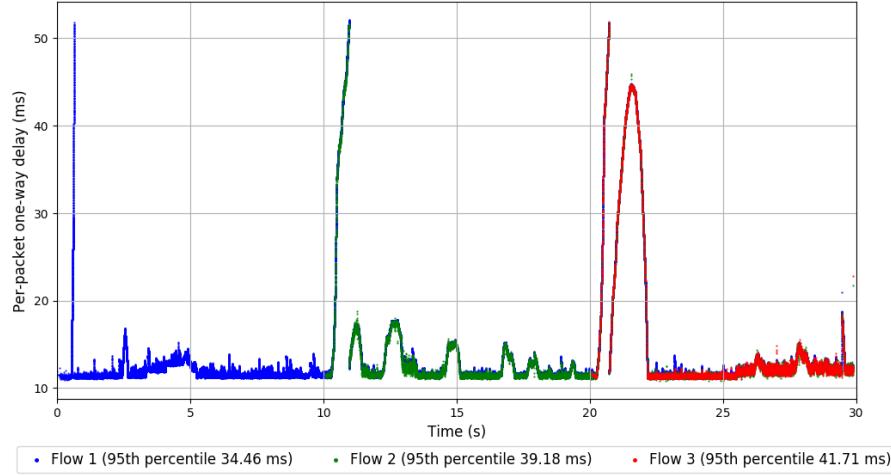
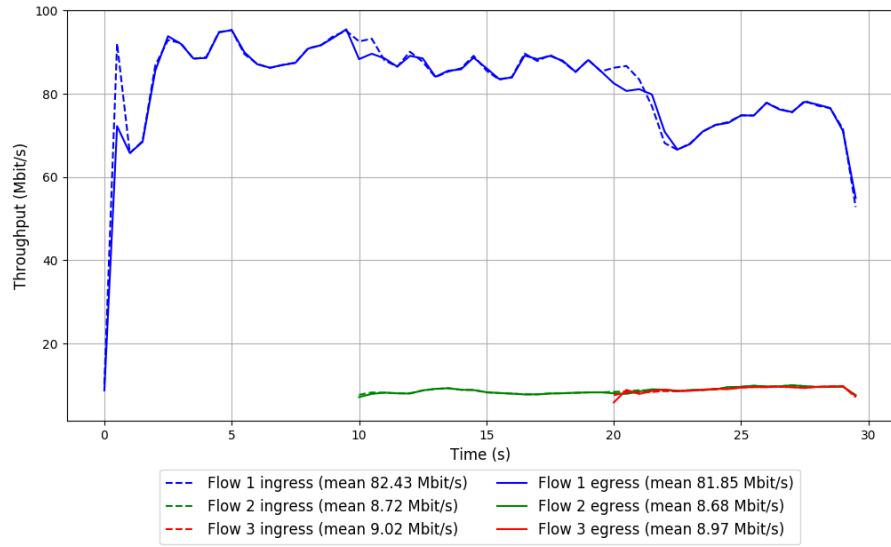


Run 4: Statistics of PCC

```
Start at: 2018-02-28 04:53:51
End at: 2018-02-28 04:54:21
Local clock offset: 2.356 ms
Remote clock offset: 20.274 ms

# Below is generated by plot.py at 2018-02-28 07:44:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: 35.716 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 81.85 Mbit/s
95th percentile per-packet one-way delay: 34.463 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 8.68 Mbit/s
95th percentile per-packet one-way delay: 39.177 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 8.97 Mbit/s
95th percentile per-packet one-way delay: 41.707 ms
Loss rate: 0.38%
```

Run 4: Report of PCC — Data Link

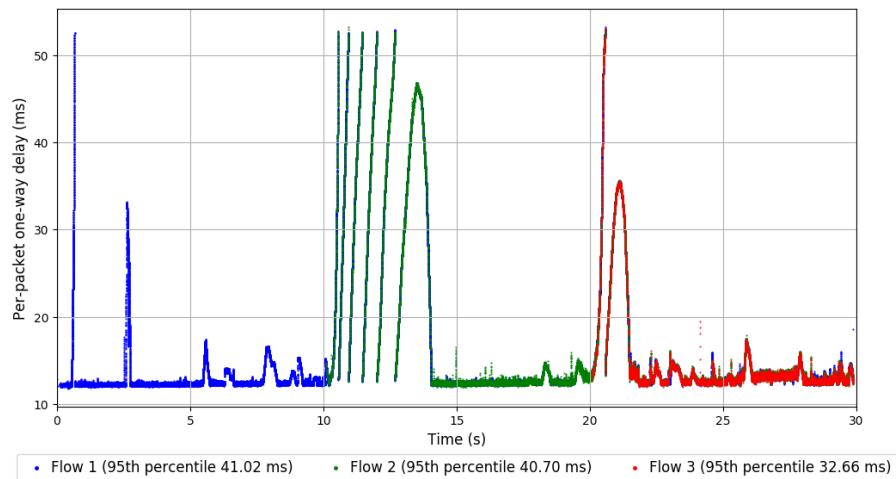
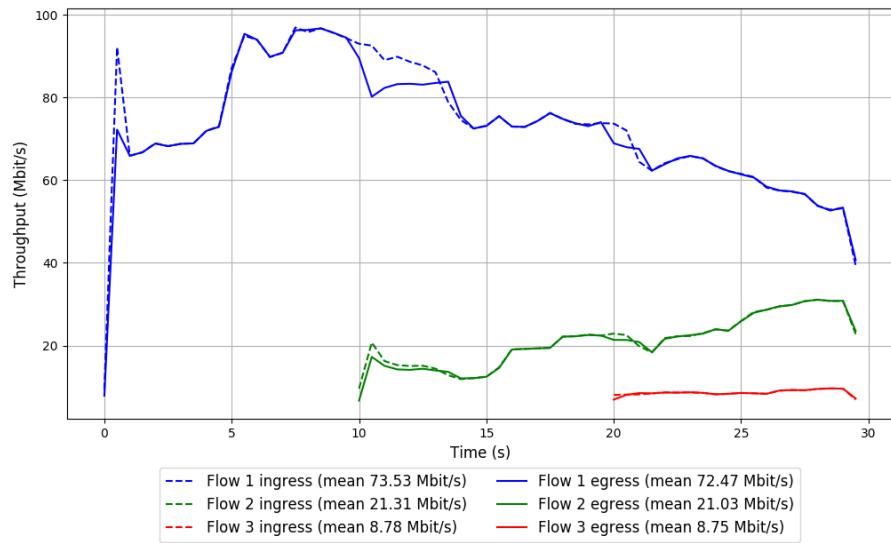


Run 5: Statistics of PCC

```
Start at: 2018-02-28 05:15:16
End at: 2018-02-28 05:15:46
Local clock offset: 2.175 ms
Remote clock offset: -3.048 ms

# Below is generated by plot.py at 2018-02-28 07:44:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.34 Mbit/s
95th percentile per-packet one-way delay: 40.691 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 72.47 Mbit/s
95th percentile per-packet one-way delay: 41.019 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 21.03 Mbit/s
95th percentile per-packet one-way delay: 40.701 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 8.75 Mbit/s
95th percentile per-packet one-way delay: 32.660 ms
Loss rate: 0.37%
```

Run 5: Report of PCC — Data Link

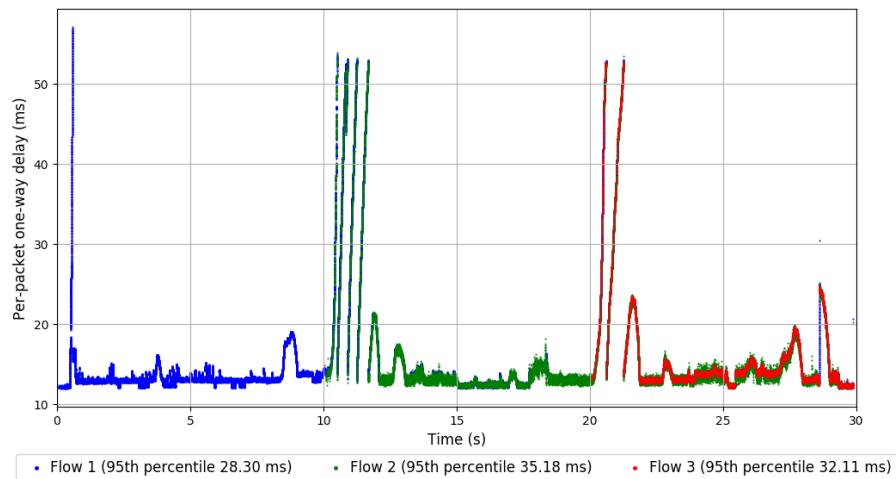
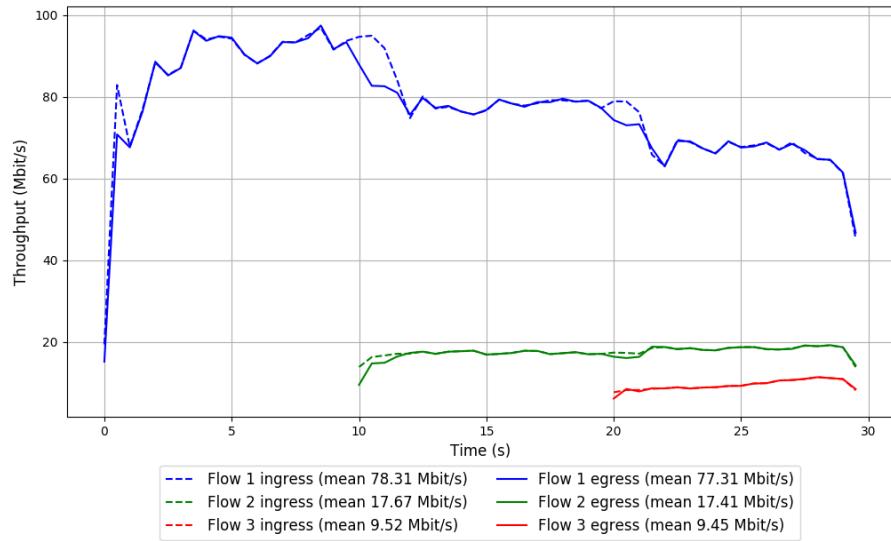


Run 6: Statistics of PCC

```
Start at: 2018-02-28 05:36:35
End at: 2018-02-28 05:37:05
Local clock offset: 0.701 ms
Remote clock offset: -4.585 ms

# Below is generated by plot.py at 2018-02-28 07:45:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 29.568 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 77.31 Mbit/s
95th percentile per-packet one-way delay: 28.299 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 17.41 Mbit/s
95th percentile per-packet one-way delay: 35.182 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 32.107 ms
Loss rate: 0.68%
```

Run 6: Report of PCC — Data Link

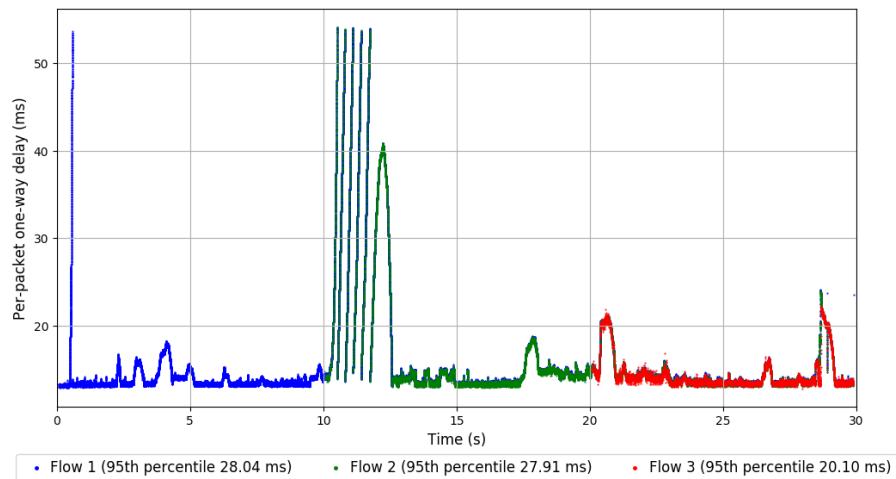
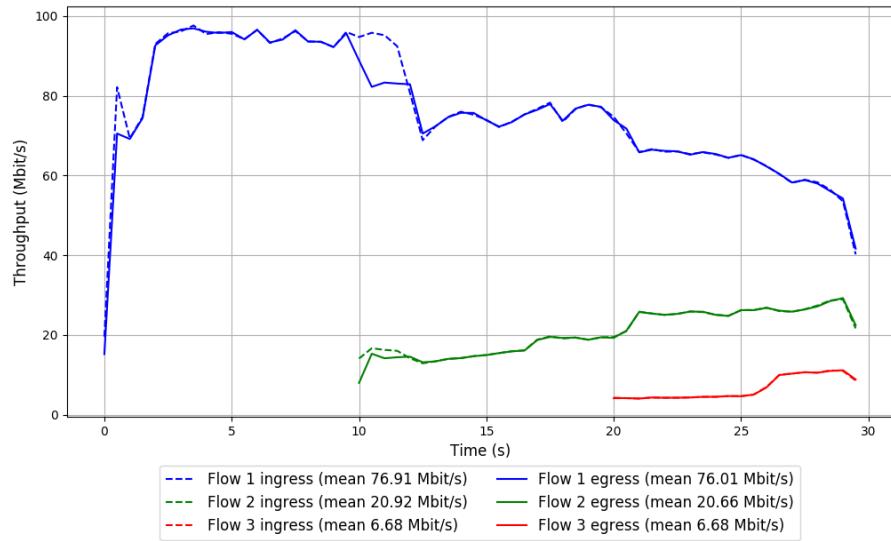


Run 7: Statistics of PCC

```
Start at: 2018-02-28 05:57:56
End at: 2018-02-28 05:58:26
Local clock offset: 0.059 ms
Remote clock offset: -4.735 ms

# Below is generated by plot.py at 2018-02-28 07:45:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: 27.375 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 76.01 Mbit/s
95th percentile per-packet one-way delay: 28.042 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 27.905 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 20.102 ms
Loss rate: 0.00%
```

Run 7: Report of PCC — Data Link

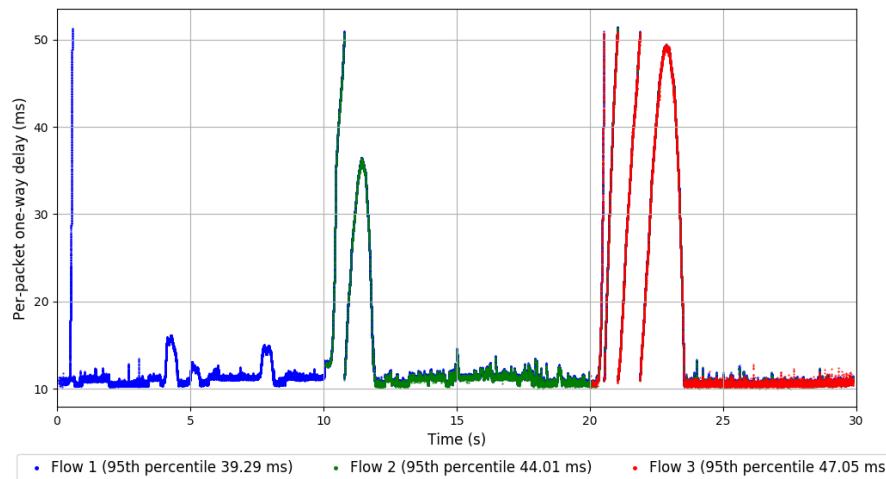
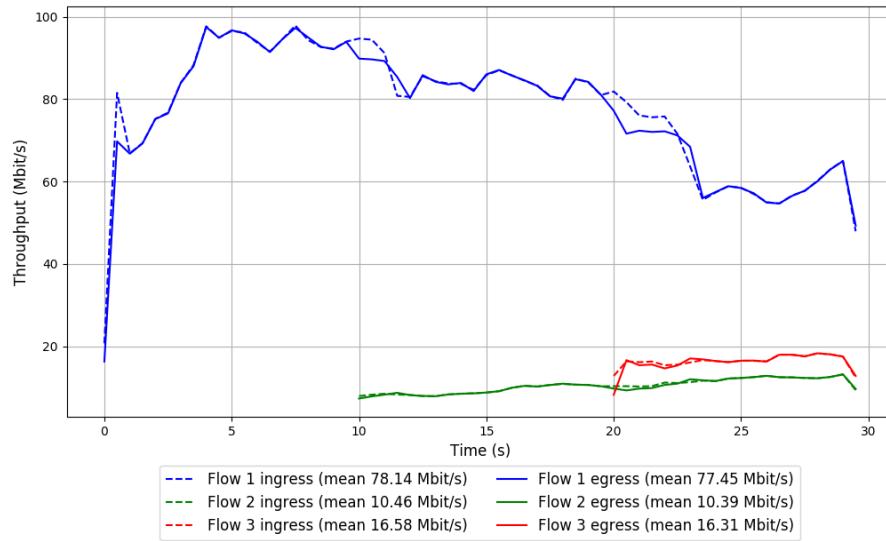


Run 8: Statistics of PCC

```
Start at: 2018-02-28 06:19:10
End at: 2018-02-28 06:19:40
Local clock offset: 2.274 ms
Remote clock offset: -6.556 ms

# Below is generated by plot.py at 2018-02-28 07:45:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.74 Mbit/s
95th percentile per-packet one-way delay: 40.974 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 77.45 Mbit/s
95th percentile per-packet one-way delay: 39.293 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 10.39 Mbit/s
95th percentile per-packet one-way delay: 44.007 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 16.31 Mbit/s
95th percentile per-packet one-way delay: 47.051 ms
Loss rate: 1.60%
```

Run 8: Report of PCC — Data Link

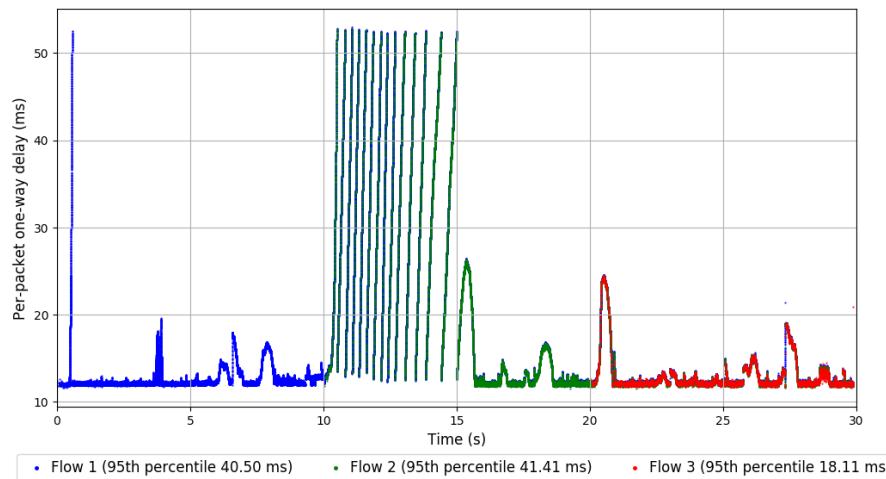
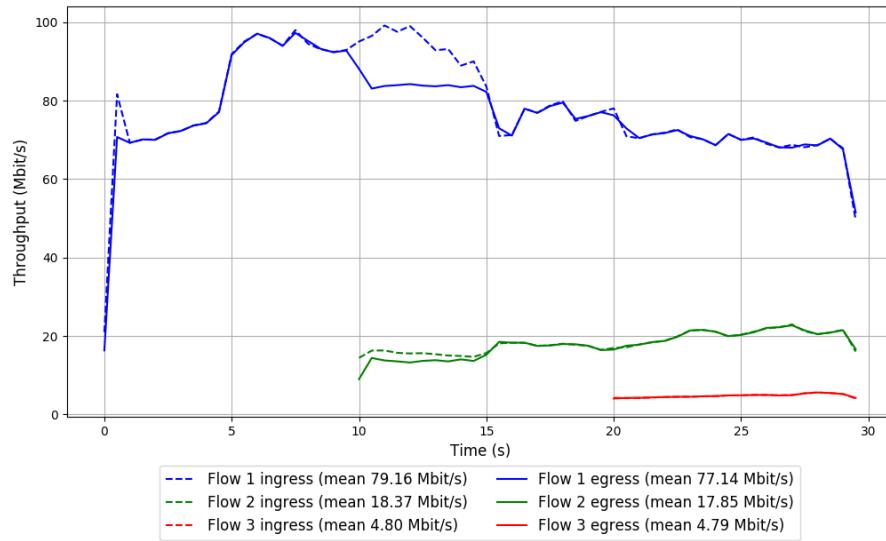


Run 9: Statistics of PCC

```
Start at: 2018-02-28 06:40:31
End at: 2018-02-28 06:41:01
Local clock offset: 1.142 ms
Remote clock offset: -6.439 ms

# Below is generated by plot.py at 2018-02-28 07:45:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: 40.419 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 77.14 Mbit/s
95th percentile per-packet one-way delay: 40.497 ms
Loss rate: 2.55%
-- Flow 2:
Average throughput: 17.85 Mbit/s
95th percentile per-packet one-way delay: 41.405 ms
Loss rate: 2.86%
-- Flow 3:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 18.115 ms
Loss rate: 0.00%
```

Run 9: Report of PCC — Data Link

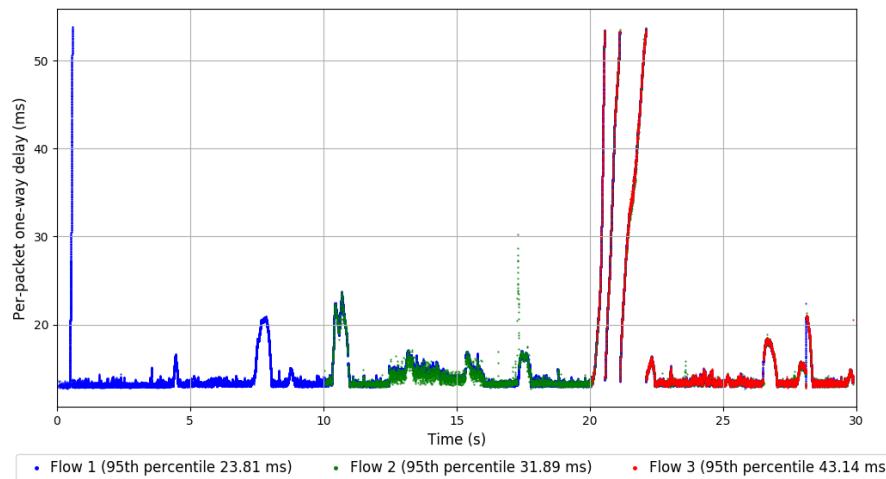
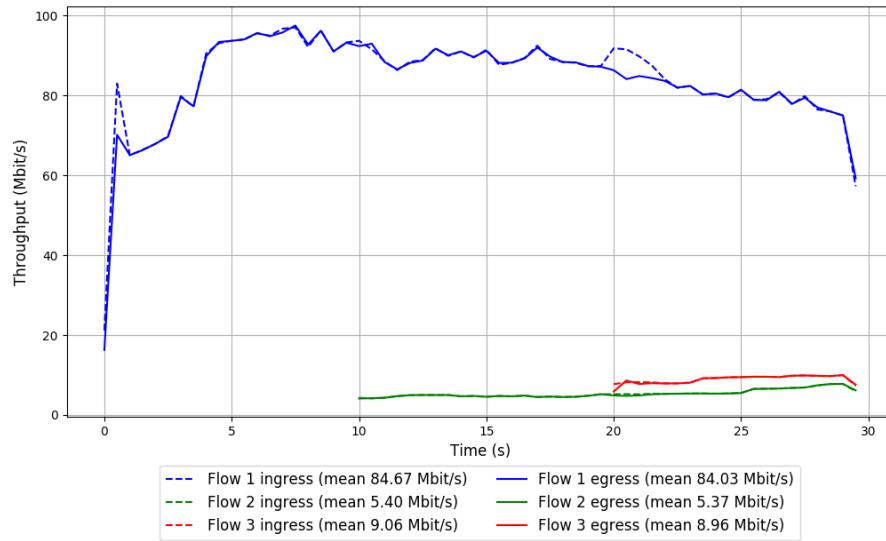


Run 10: Statistics of PCC

```
Start at: 2018-02-28 07:02:06
End at: 2018-02-28 07:02:36
Local clock offset: 1.583 ms
Remote clock offset: -3.567 ms

# Below is generated by plot.py at 2018-02-28 07:45:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.54 Mbit/s
95th percentile per-packet one-way delay: 25.836 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 84.03 Mbit/s
95th percentile per-packet one-way delay: 23.811 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 5.37 Mbit/s
95th percentile per-packet one-way delay: 31.891 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 43.143 ms
Loss rate: 1.07%
```

Run 10: Report of PCC — Data Link

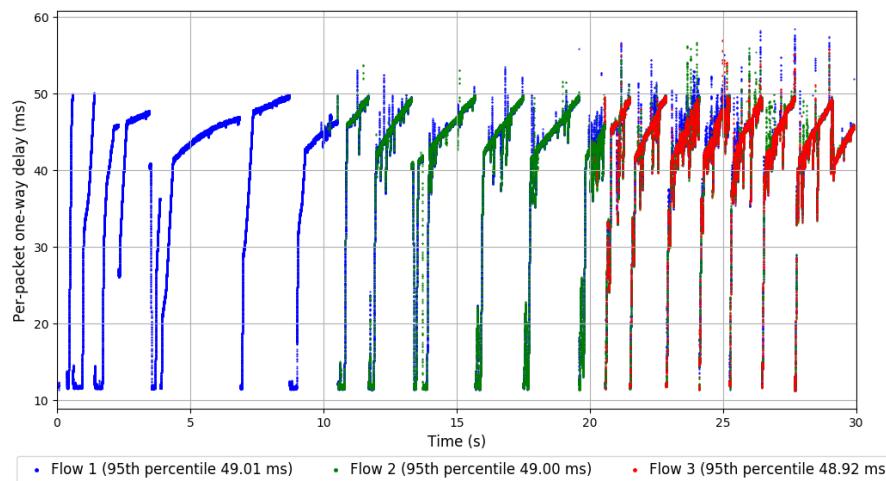
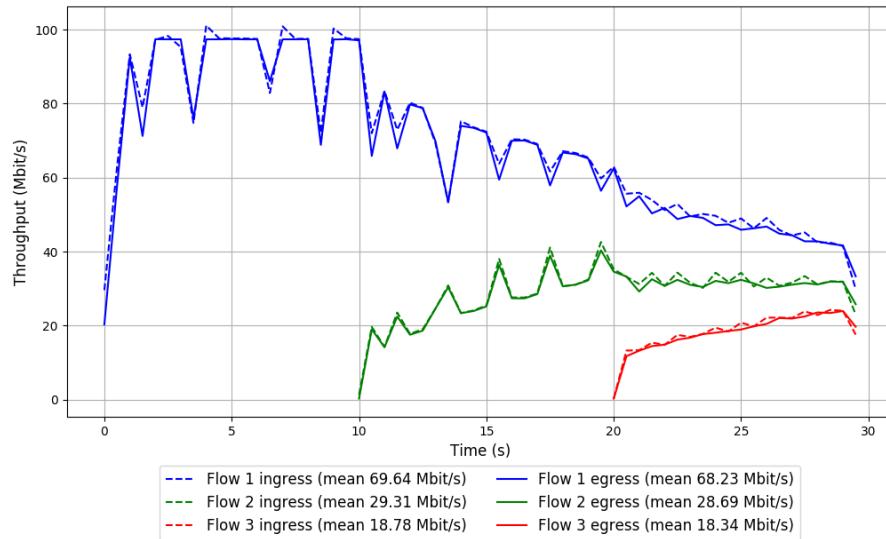


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2018-02-28 03:46:56
End at: 2018-02-28 03:47:26
Local clock offset: 2.856 ms
Remote clock offset: 2.292 ms

# Below is generated by plot.py at 2018-02-28 07:46:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 49.003 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 68.23 Mbit/s
95th percentile per-packet one-way delay: 49.009 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 28.69 Mbit/s
95th percentile per-packet one-way delay: 48.998 ms
Loss rate: 2.11%
-- Flow 3:
Average throughput: 18.34 Mbit/s
95th percentile per-packet one-way delay: 48.917 ms
Loss rate: 2.33%
```

Run 1: Report of QUIC Cubic — Data Link

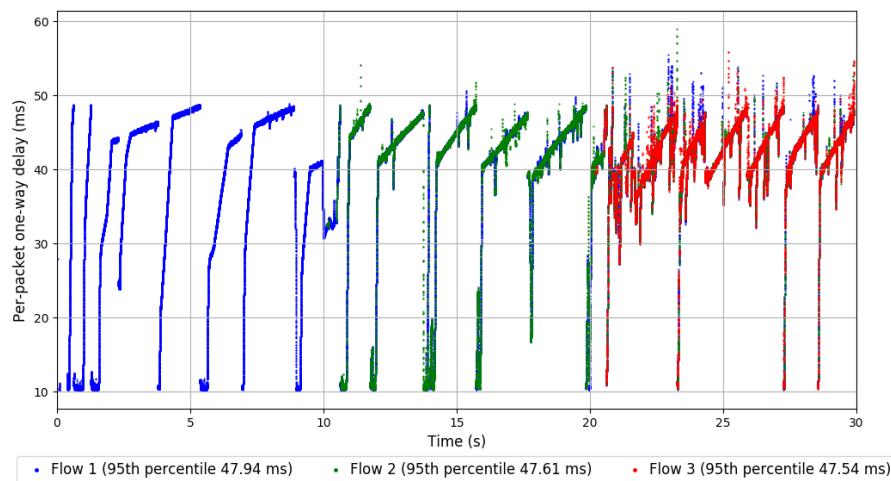
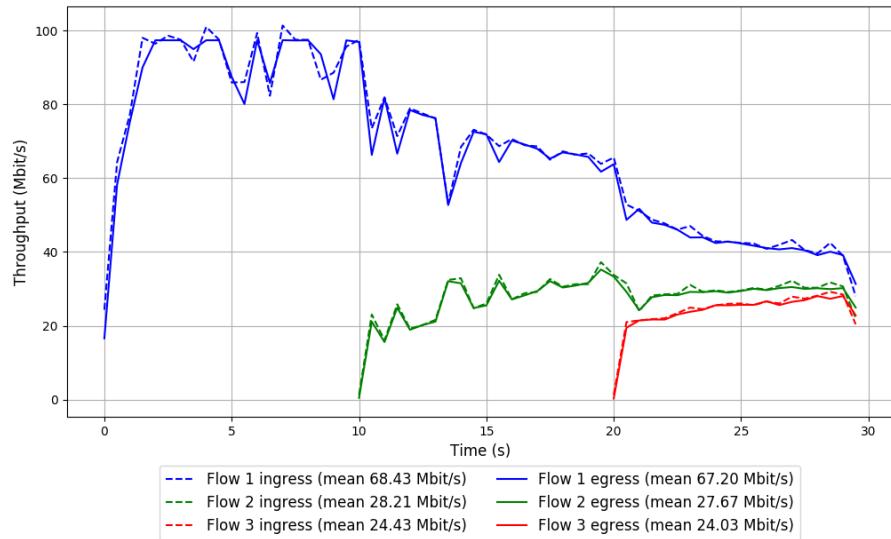


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-02-28 04:08:27
End at: 2018-02-28 04:08:57
Local clock offset: 4.583 ms
Remote clock offset: 12.583 ms

# Below is generated by plot.py at 2018-02-28 07:46:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 47.865 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 67.20 Mbit/s
95th percentile per-packet one-way delay: 47.942 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 27.67 Mbit/s
95th percentile per-packet one-way delay: 47.607 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 47.540 ms
Loss rate: 1.57%
```

Run 2: Report of QUIC Cubic — Data Link

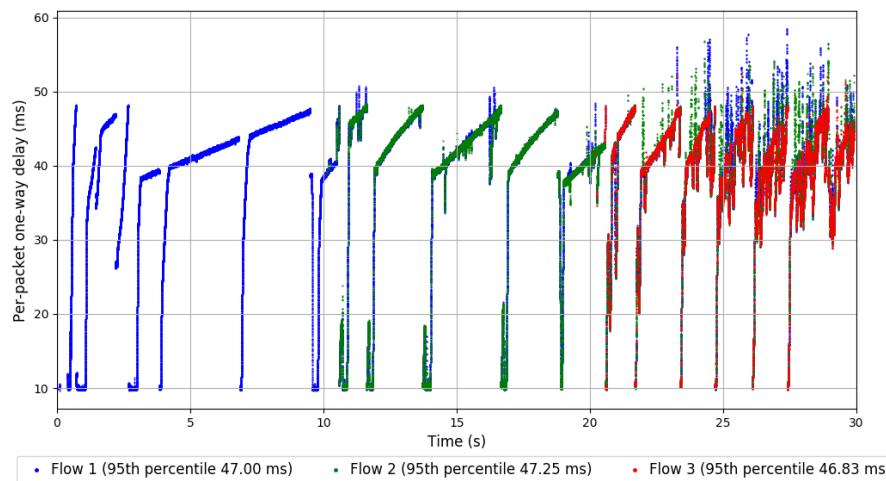
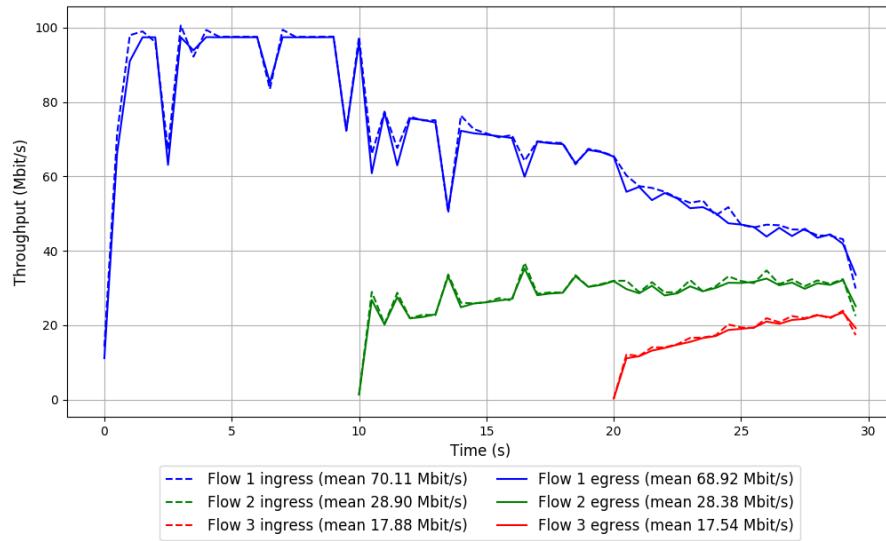


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-02-28 04:30:02
End at: 2018-02-28 04:30:32
Local clock offset: 4.505 ms
Remote clock offset: 16.208 ms

# Below is generated by plot.py at 2018-02-28 07:46:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 47.036 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 68.92 Mbit/s
95th percentile per-packet one-way delay: 47.002 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 47.248 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 17.54 Mbit/s
95th percentile per-packet one-way delay: 46.826 ms
Loss rate: 1.88%
```

Run 3: Report of QUIC Cubic — Data Link

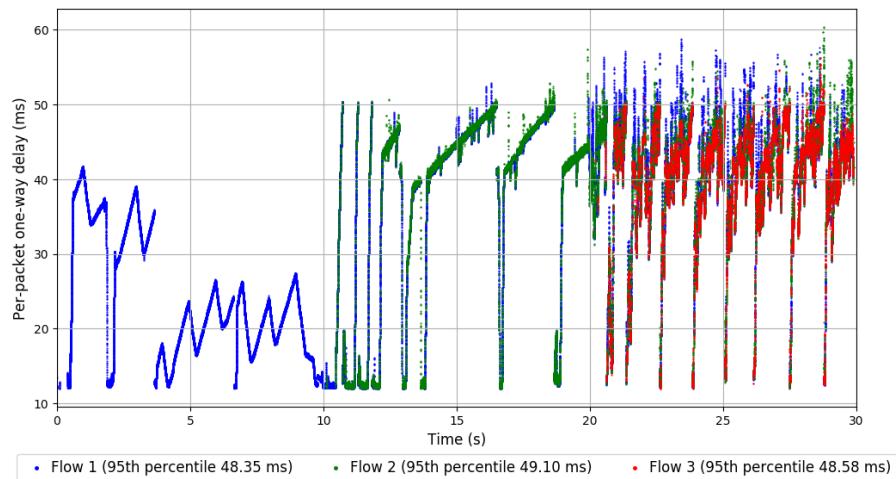
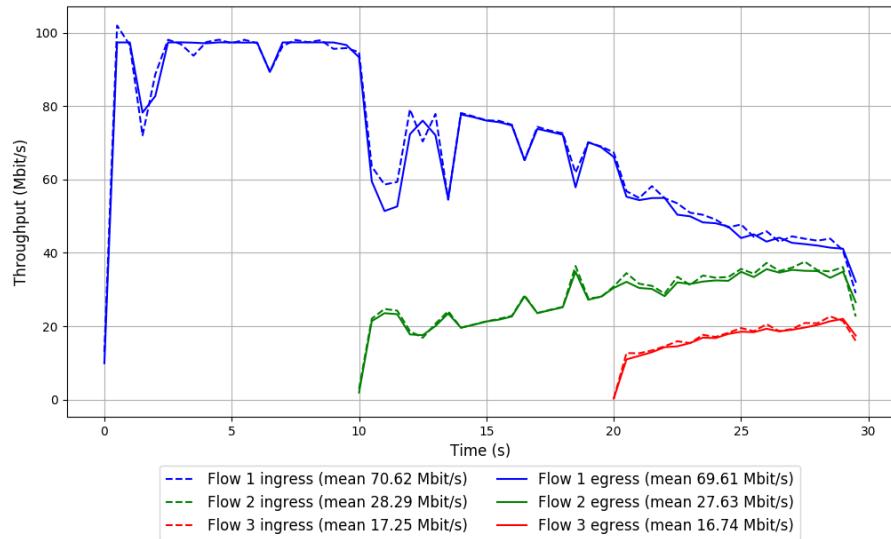


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-02-28 04:51:28
End at: 2018-02-28 04:51:58
Local clock offset: 2.498 ms
Remote clock offset: 21.019 ms

# Below is generated by plot.py at 2018-02-28 07:46:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 48.540 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 69.61 Mbit/s
95th percentile per-packet one-way delay: 48.348 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 27.63 Mbit/s
95th percentile per-packet one-way delay: 49.097 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 16.74 Mbit/s
95th percentile per-packet one-way delay: 48.580 ms
Loss rate: 2.89%
```

Run 4: Report of QUIC Cubic — Data Link

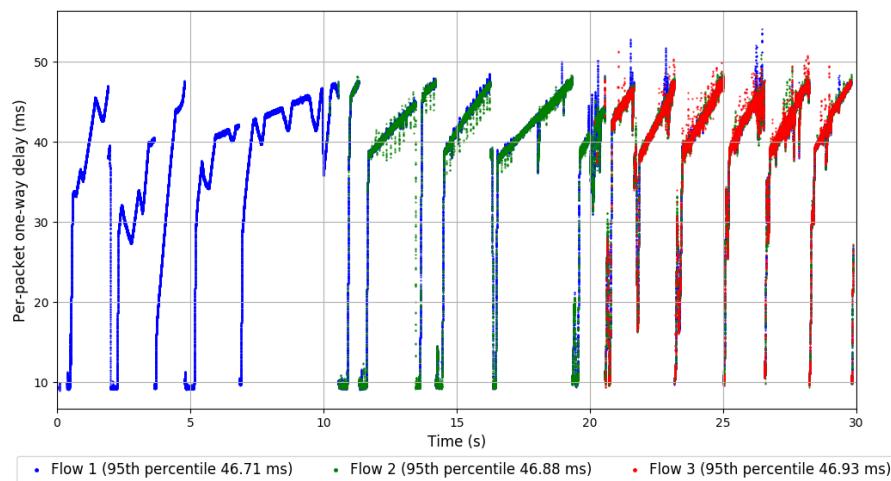
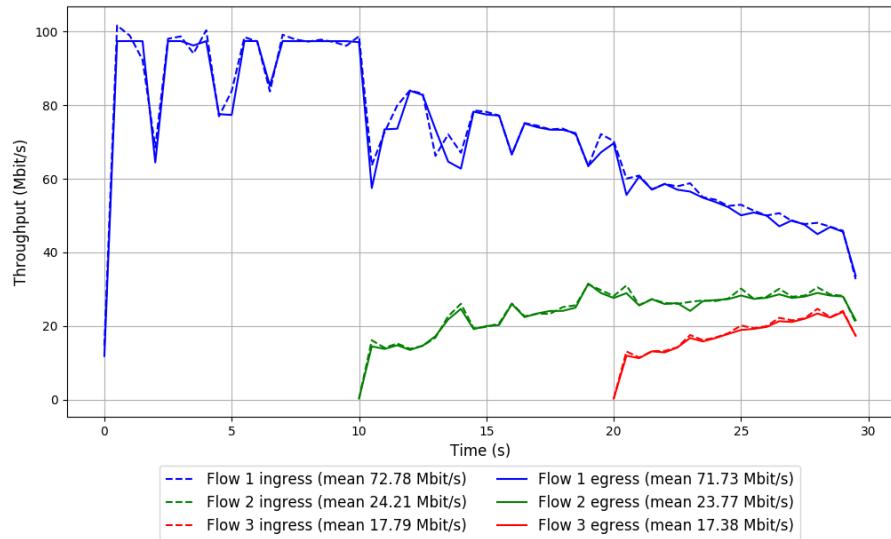


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-02-28 05:12:50
End at: 2018-02-28 05:13:20
Local clock offset: 4.236 ms
Remote clock offset: -3.015 ms

# Below is generated by plot.py at 2018-02-28 07:46:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 46.776 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 71.73 Mbit/s
95th percentile per-packet one-way delay: 46.706 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 23.77 Mbit/s
95th percentile per-packet one-way delay: 46.881 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 17.38 Mbit/s
95th percentile per-packet one-way delay: 46.933 ms
Loss rate: 2.32%
```

Run 5: Report of QUIC Cubic — Data Link

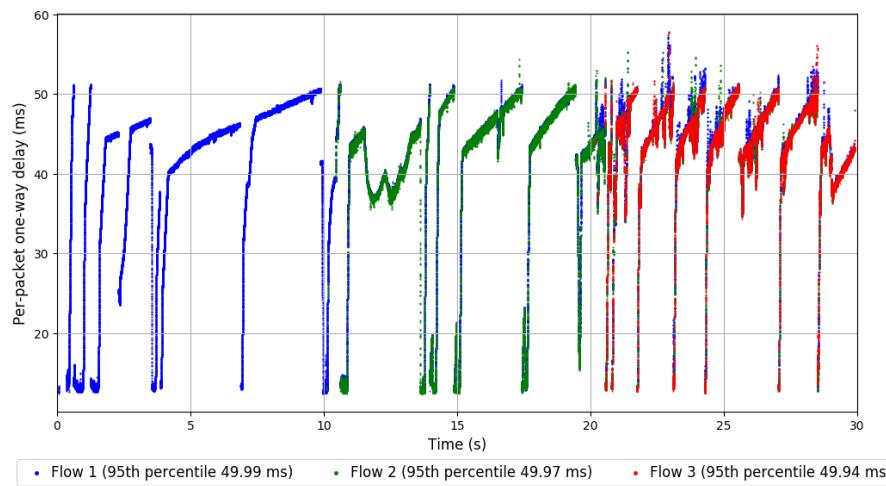
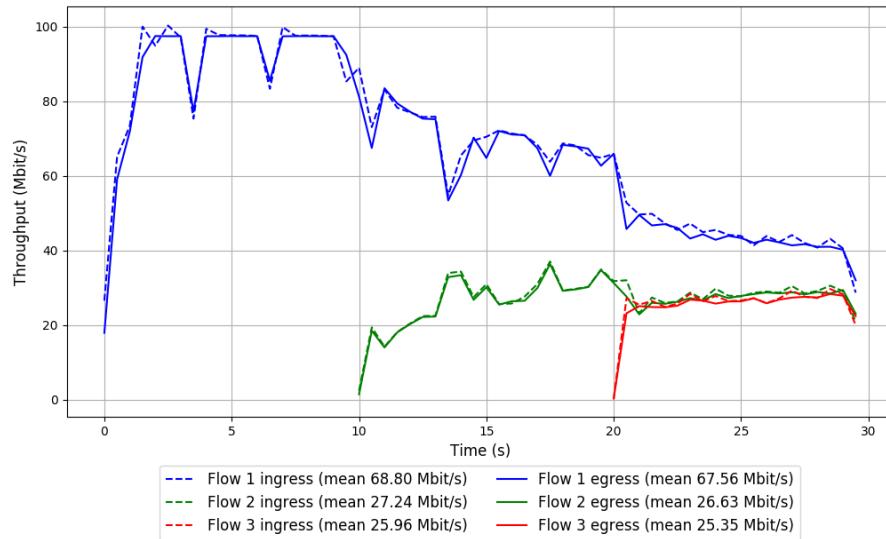


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-02-28 05:34:07
End at: 2018-02-28 05:34:37
Local clock offset: 0.499 ms
Remote clock offset: -4.774 ms

# Below is generated by plot.py at 2018-02-28 07:46:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 49.980 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 67.56 Mbit/s
95th percentile per-packet one-way delay: 49.987 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 26.63 Mbit/s
95th percentile per-packet one-way delay: 49.972 ms
Loss rate: 2.10%
-- Flow 3:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 49.943 ms
Loss rate: 2.34%
```

Run 6: Report of QUIC Cubic — Data Link

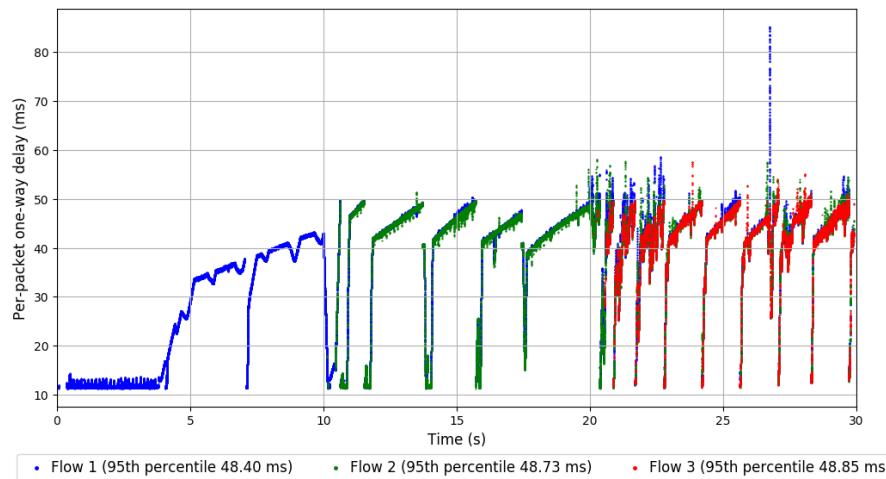
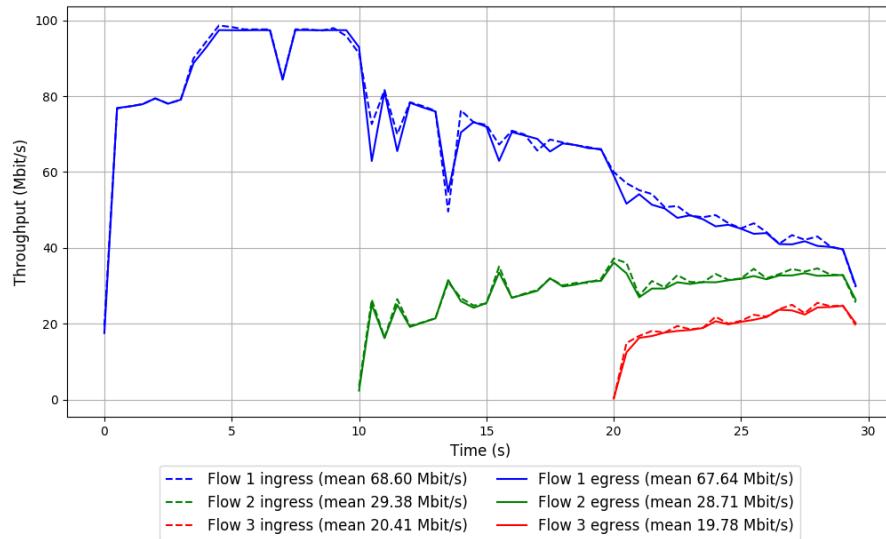


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-02-28 05:55:36
End at: 2018-02-28 05:56:06
Local clock offset: 1.701 ms
Remote clock offset: -4.551 ms

# Below is generated by plot.py at 2018-02-28 07:46:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 48.502 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 67.64 Mbit/s
95th percentile per-packet one-way delay: 48.398 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 28.71 Mbit/s
95th percentile per-packet one-way delay: 48.732 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 48.848 ms
Loss rate: 3.01%
```

Run 7: Report of QUIC Cubic — Data Link

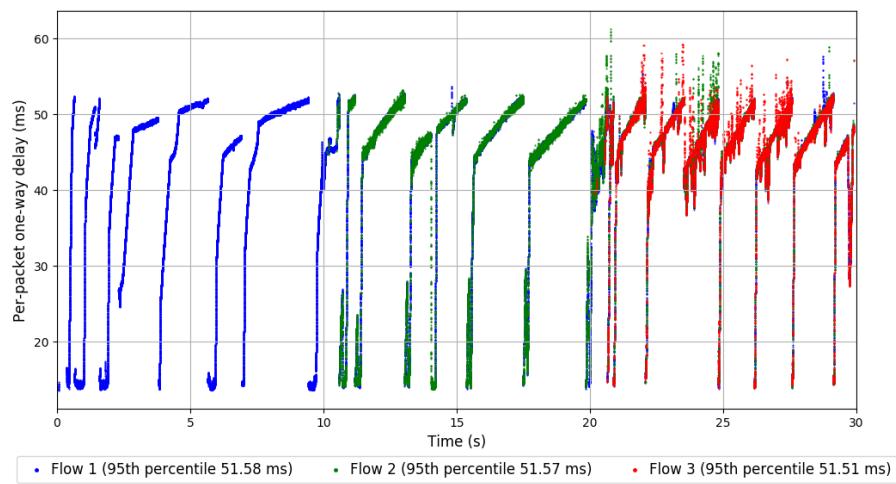
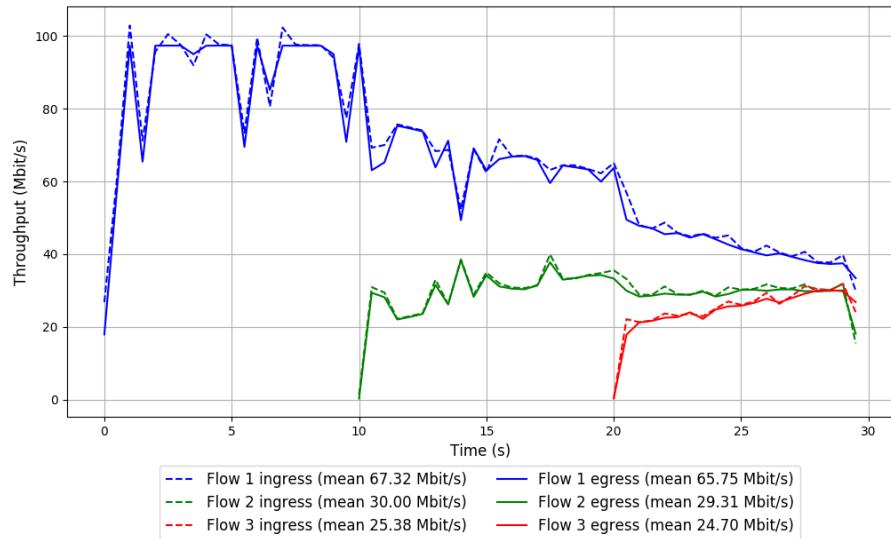


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-02-28 06:16:50
End at: 2018-02-28 06:17:20
Local clock offset: -0.567 ms
Remote clock offset: -5.691 ms

# Below is generated by plot.py at 2018-02-28 07:46:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 51.577 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 65.75 Mbit/s
95th percentile per-packet one-way delay: 51.584 ms
Loss rate: 2.20%
-- Flow 2:
Average throughput: 29.31 Mbit/s
95th percentile per-packet one-way delay: 51.569 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 51.513 ms
Loss rate: 2.47%
```

Run 8: Report of QUIC Cubic — Data Link

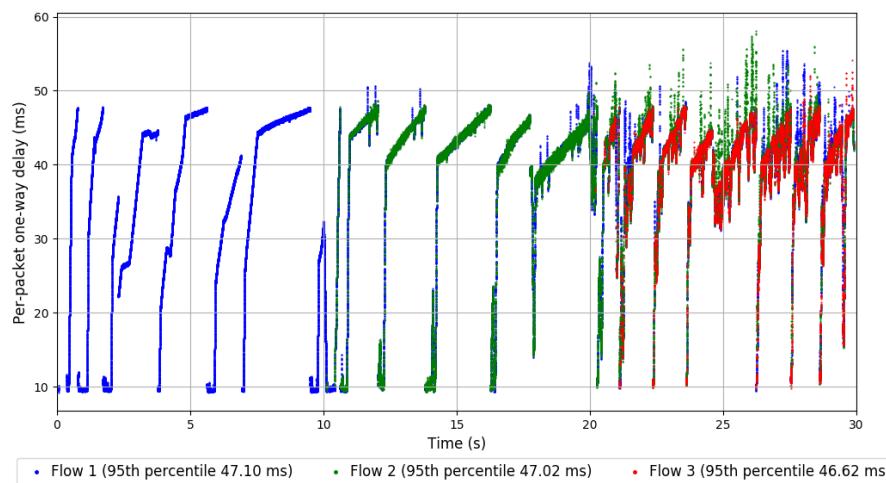
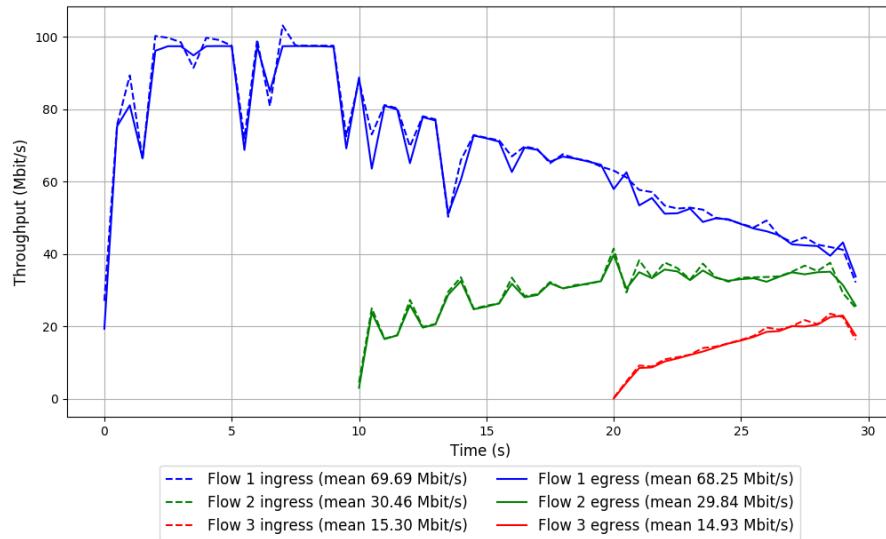


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-02-28 06:38:11
End at: 2018-02-28 06:38:41
Local clock offset: 4.201 ms
Remote clock offset: -6.756 ms

# Below is generated by plot.py at 2018-02-28 07:47:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 47.068 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 68.25 Mbit/s
95th percentile per-packet one-way delay: 47.099 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 29.84 Mbit/s
95th percentile per-packet one-way delay: 47.018 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 14.93 Mbit/s
95th percentile per-packet one-way delay: 46.620 ms
Loss rate: 2.39%
```

Run 9: Report of QUIC Cubic — Data Link

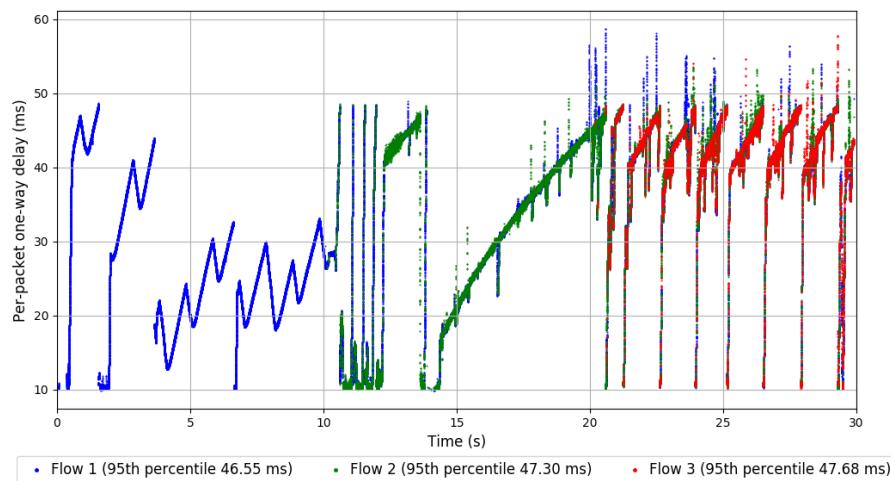
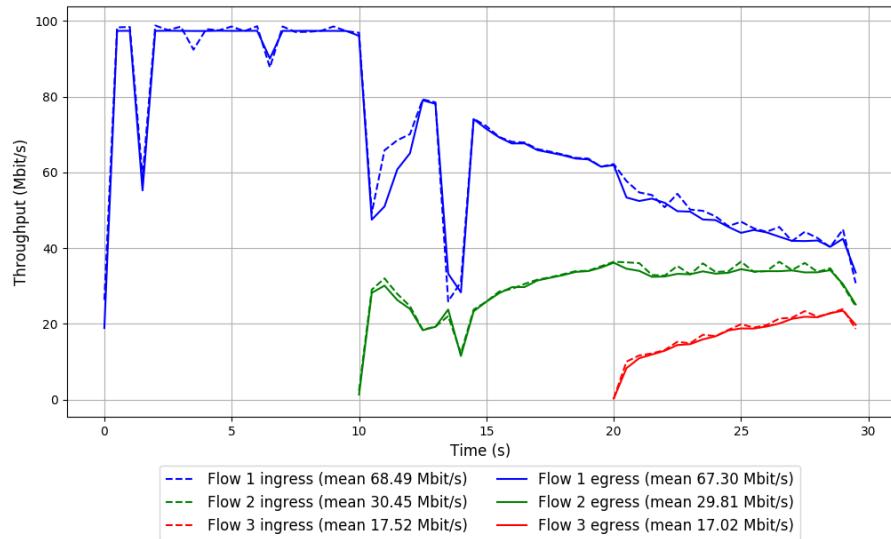


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-02-28 06:59:38
End at: 2018-02-28 07:00:08
Local clock offset: 4.649 ms
Remote clock offset: -3.291 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 46.851 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 67.30 Mbit/s
95th percentile per-packet one-way delay: 46.547 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 47.298 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 17.02 Mbit/s
95th percentile per-packet one-way delay: 47.683 ms
Loss rate: 2.85%
```

Run 10: Report of QUIC Cubic — Data Link

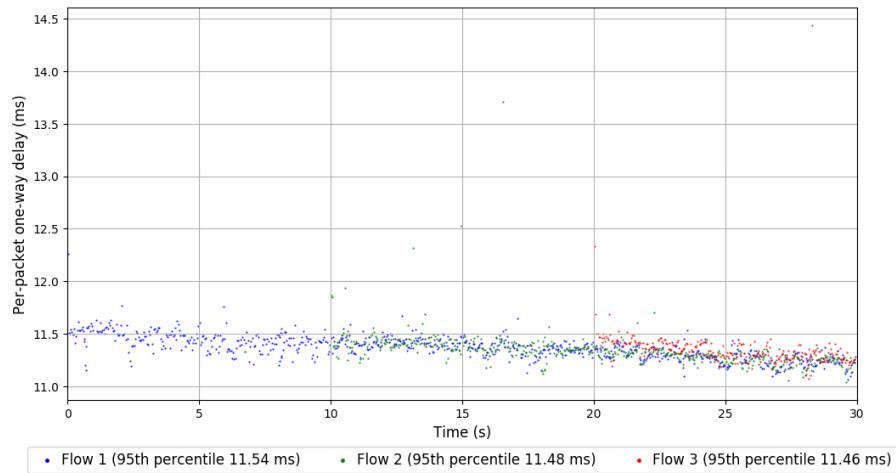
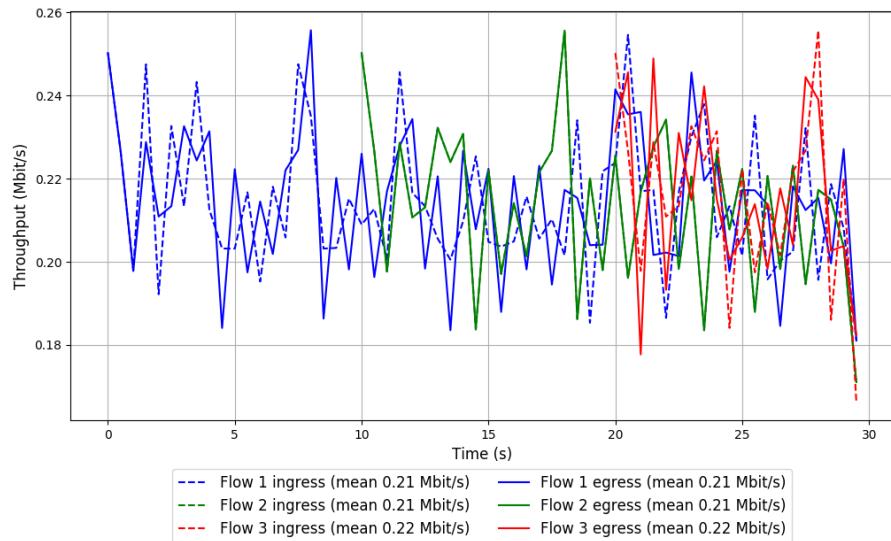


```
Run 1: Statistics of SCReAM

Start at: 2018-02-28 03:51:38
End at: 2018-02-28 03:52:08
Local clock offset: 3.709 ms
Remote clock offset: 6.273 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 11.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.544 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.481 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.465 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

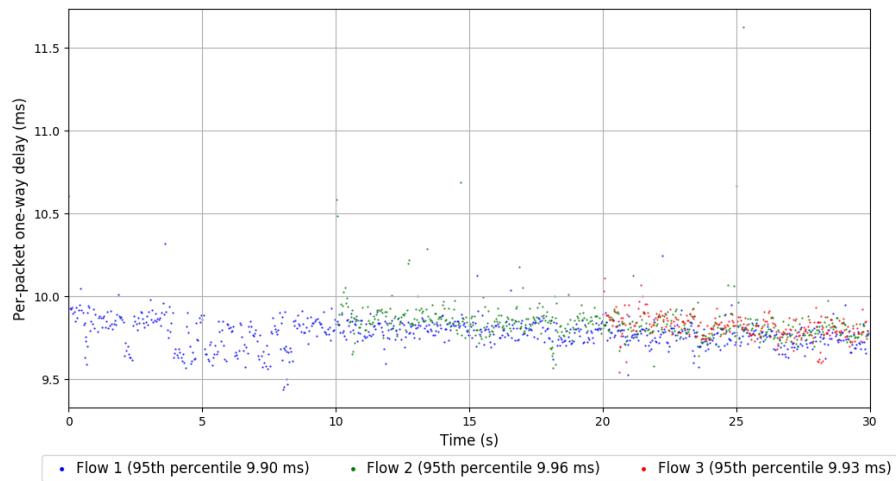
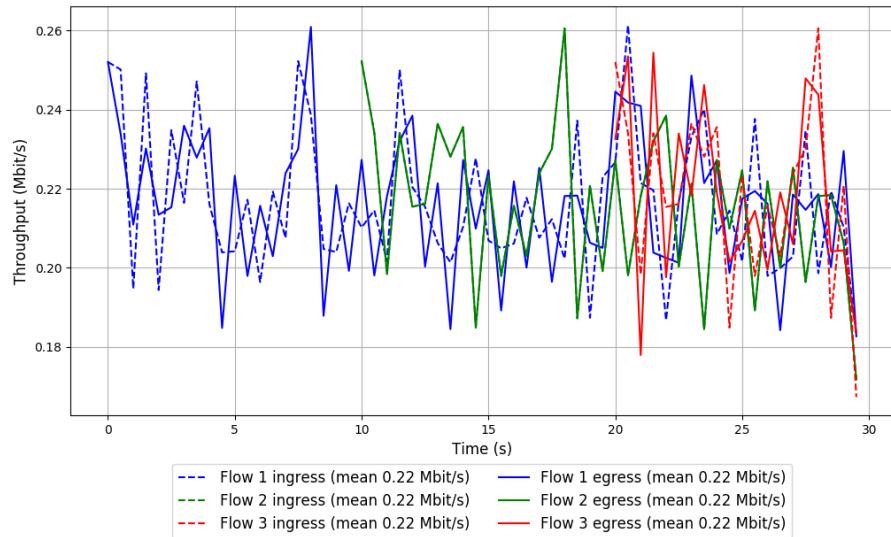


Run 2: Statistics of SCReAM

```
Start at: 2018-02-28 04:13:15
End at: 2018-02-28 04:13:45
Local clock offset: 5.189 ms
Remote clock offset: 13.497 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 9.928 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.902 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.960 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.926 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

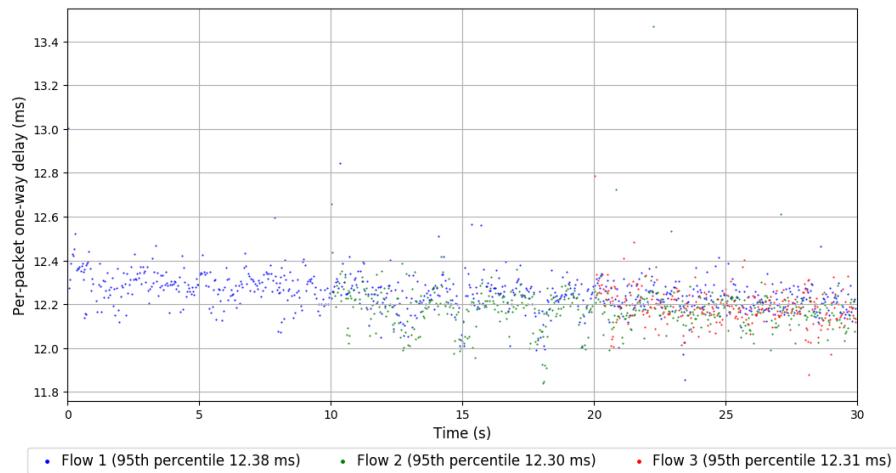
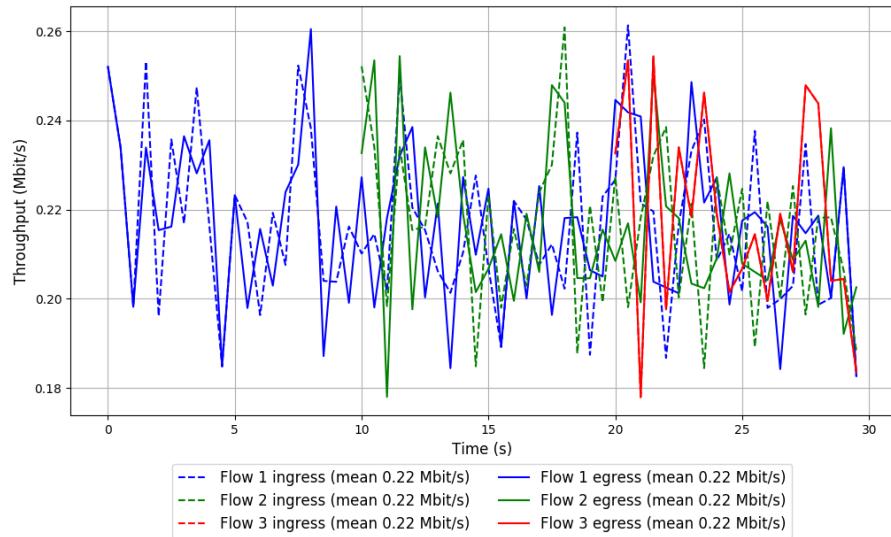


Run 3: Statistics of SCReAM

```
Start at: 2018-02-28 04:34:49
End at: 2018-02-28 04:35:19
Local clock offset: 2.65 ms
Remote clock offset: 17.364 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 12.356 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 12.379 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 12.303 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 12.313 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

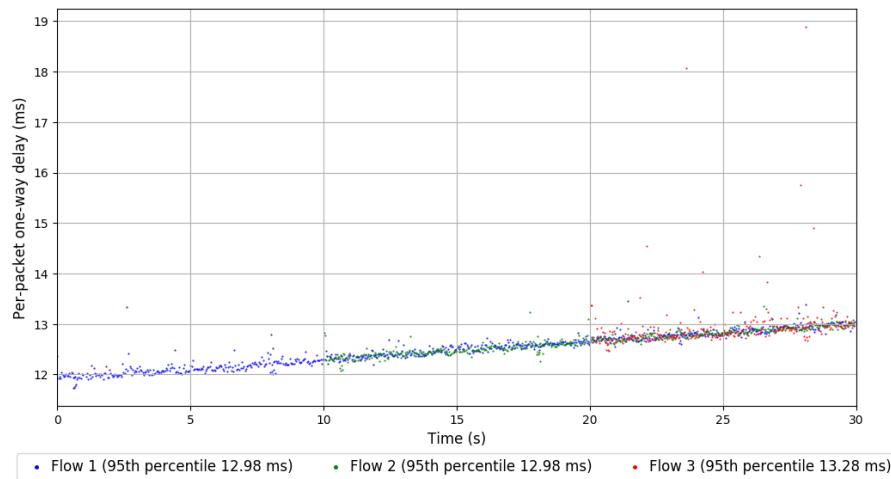
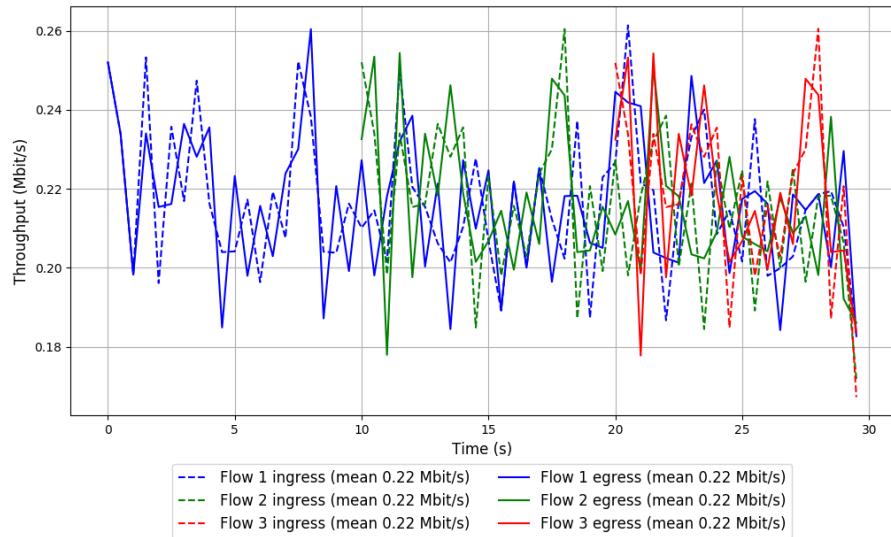


Run 4: Statistics of SCReAM

```
Start at: 2018-02-28 04:56:14
End at: 2018-02-28 04:56:44
Local clock offset: 3.512 ms
Remote clock offset: 17.163 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 13.027 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 12.980 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 12.977 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 13.278 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

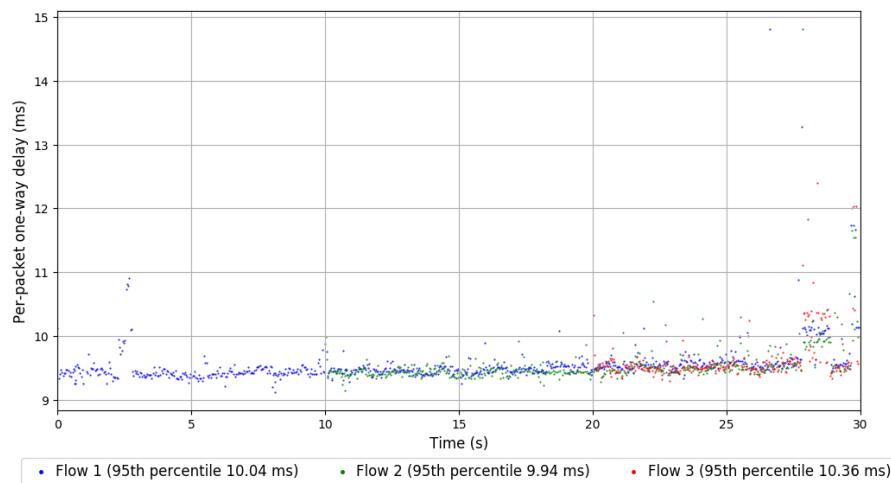
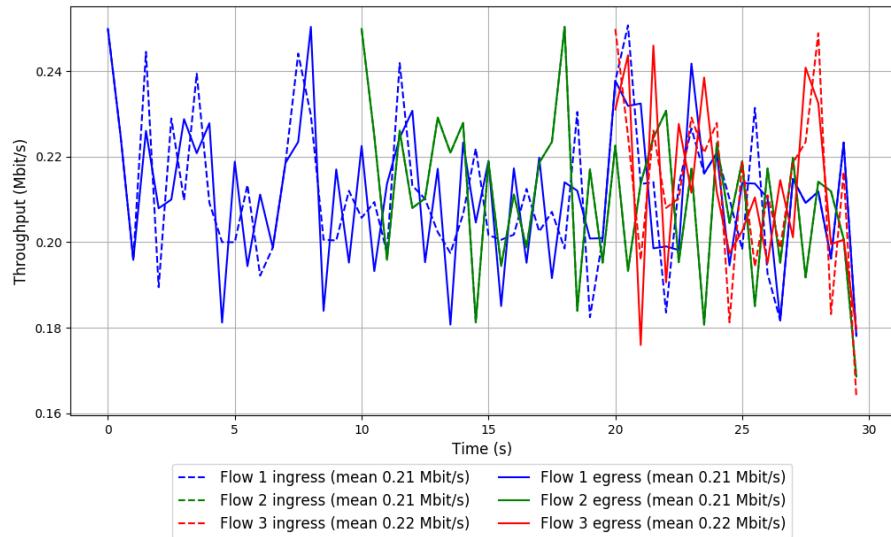


Run 5: Statistics of SCReAM

```
Start at: 2018-02-28 05:17:38
End at: 2018-02-28 05:18:08
Local clock offset: 3.946 ms
Remote clock offset: -4.956 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 10.089 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.045 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.944 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.358 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

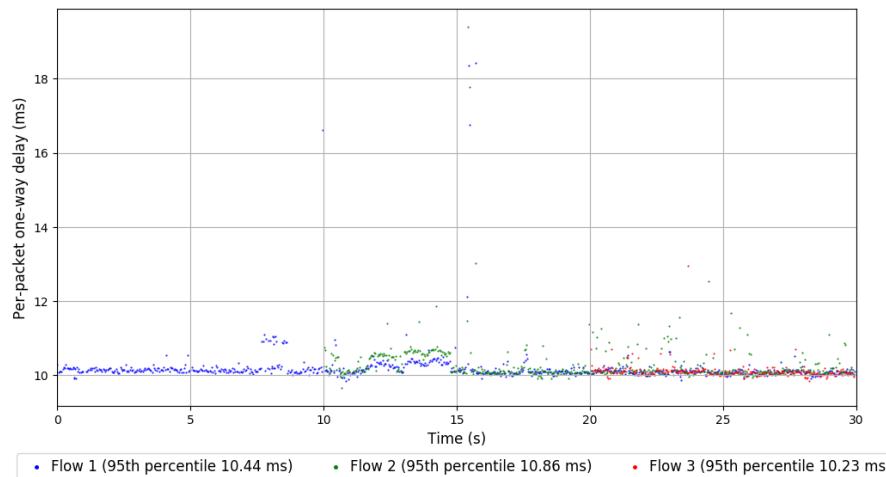
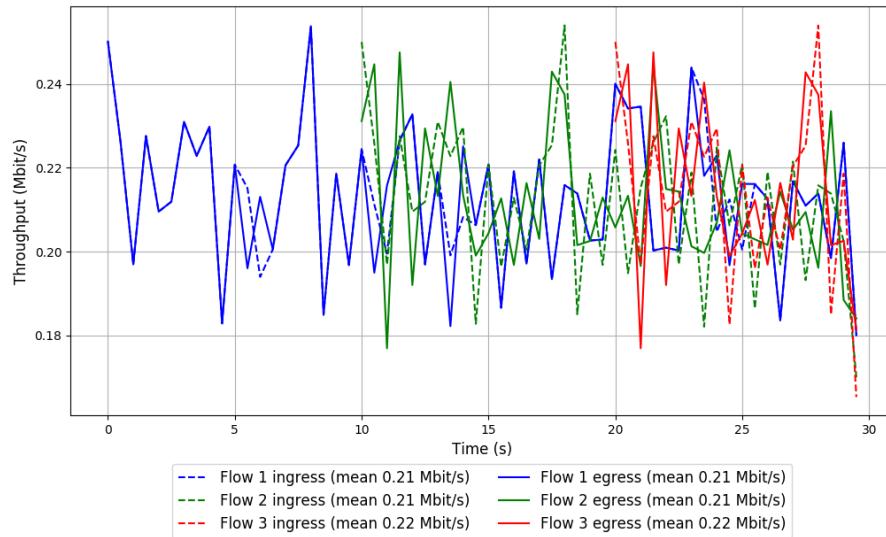


Run 6: Statistics of SCReAM

```
Start at: 2018-02-28 05:38:57
End at: 2018-02-28 05:39:27
Local clock offset: 3.209 ms
Remote clock offset: -3.738 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 10.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.443 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.233 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

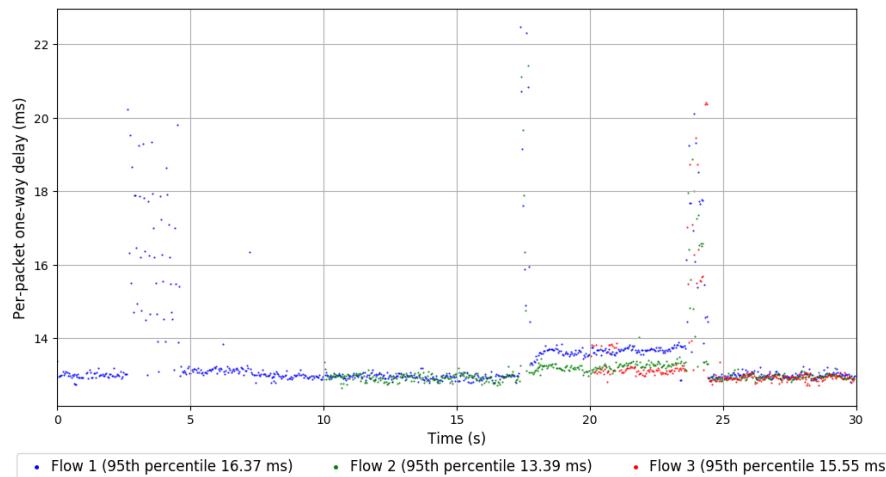
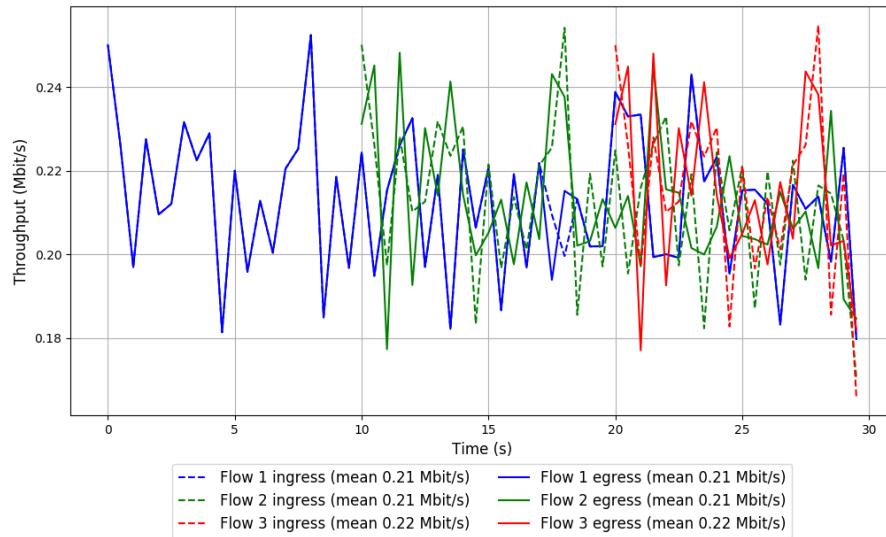


Run 7: Statistics of SCReAM

```
Start at: 2018-02-28 06:00:16
End at: 2018-02-28 06:00:46
Local clock offset: 0.223 ms
Remote clock offset: -4.948 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.370 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.388 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.548 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

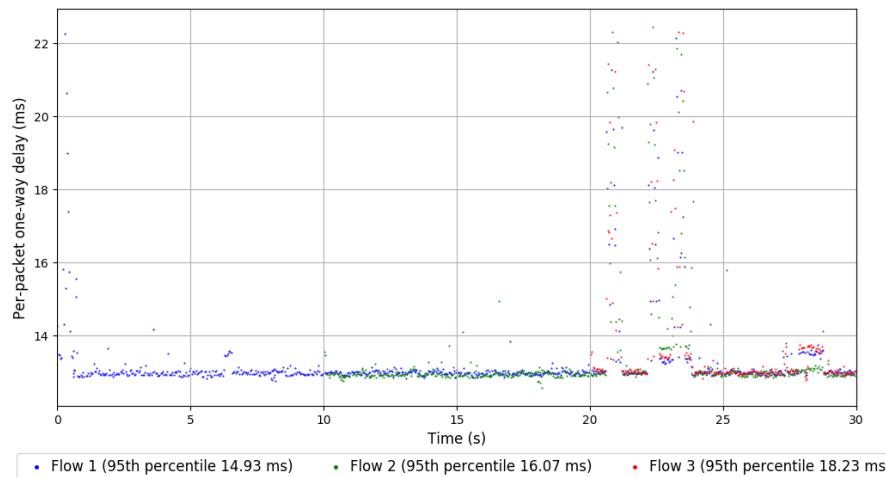
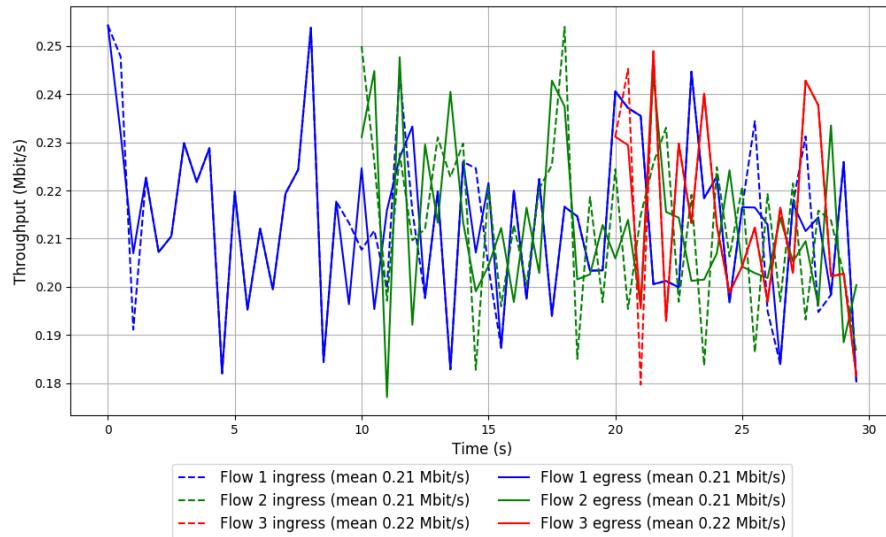


Run 8: Statistics of SCReAM

```
Start at: 2018-02-28 06:21:31
End at: 2018-02-28 06:22:01
Local clock offset: 0.478 ms
Remote clock offset: -6.03 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 16.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.934 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.065 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.230 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

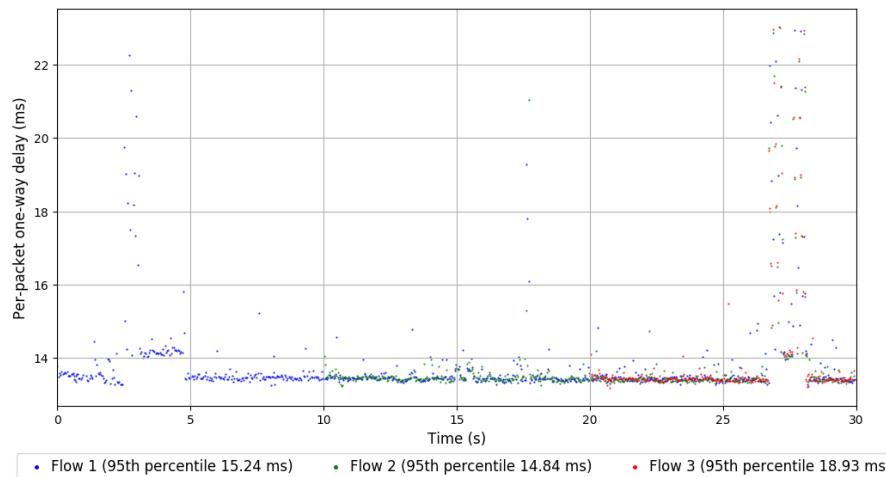
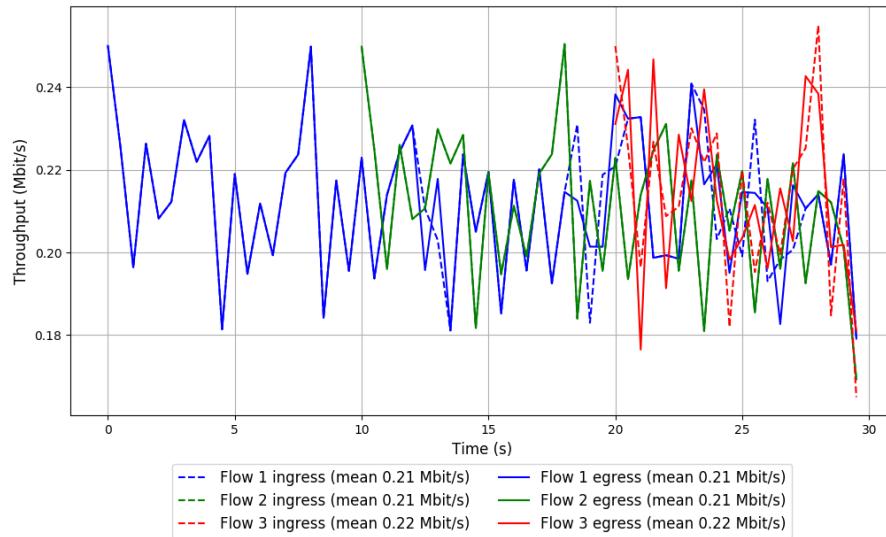


Run 9: Statistics of SCReAM

```
Start at: 2018-02-28 06:42:52
End at: 2018-02-28 06:43:22
Local clock offset: -0.585 ms
Remote clock offset: -6.147 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 15.814 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.240 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.934 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

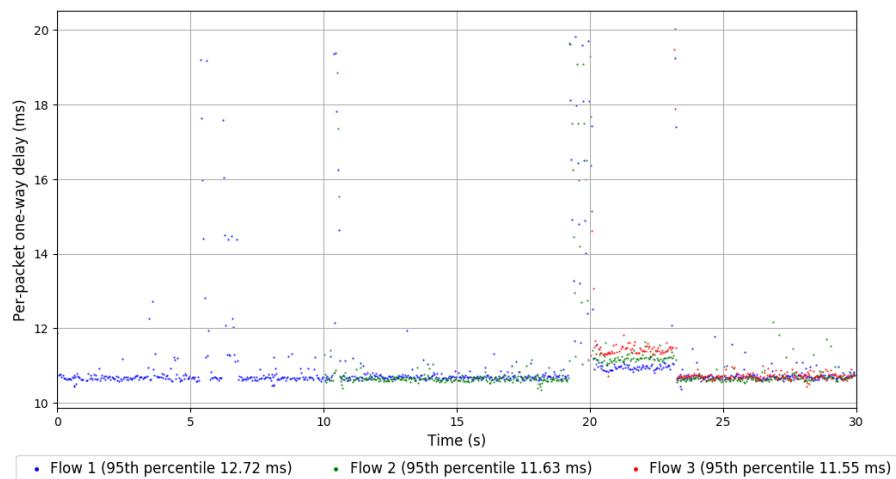
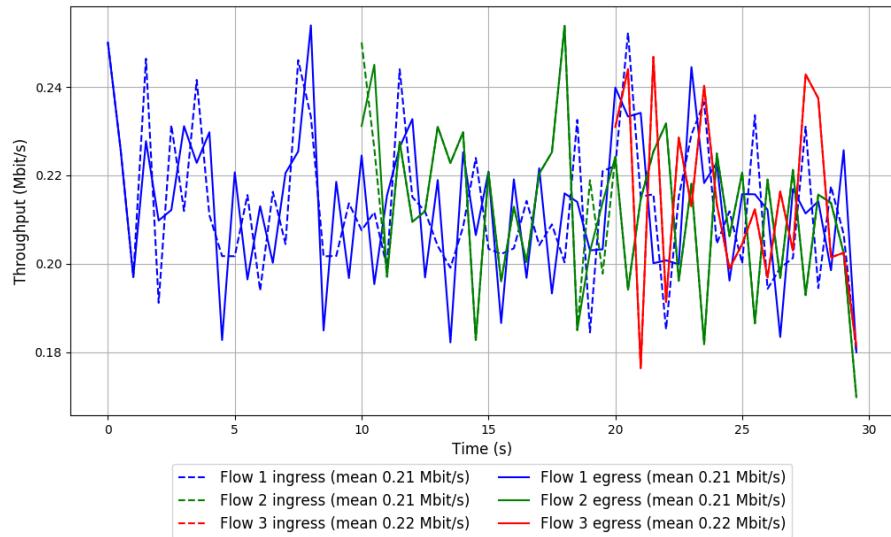


Run 10: Statistics of SCReAM

```
Start at: 2018-02-28 07:04:29
End at: 2018-02-28 07:04:59
Local clock offset: 4.798 ms
Remote clock offset: -2.956 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 11.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.725 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.630 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.555 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

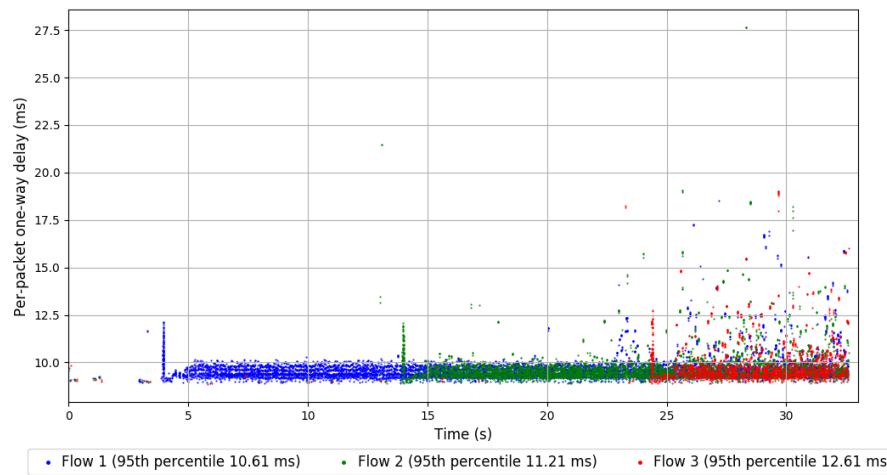
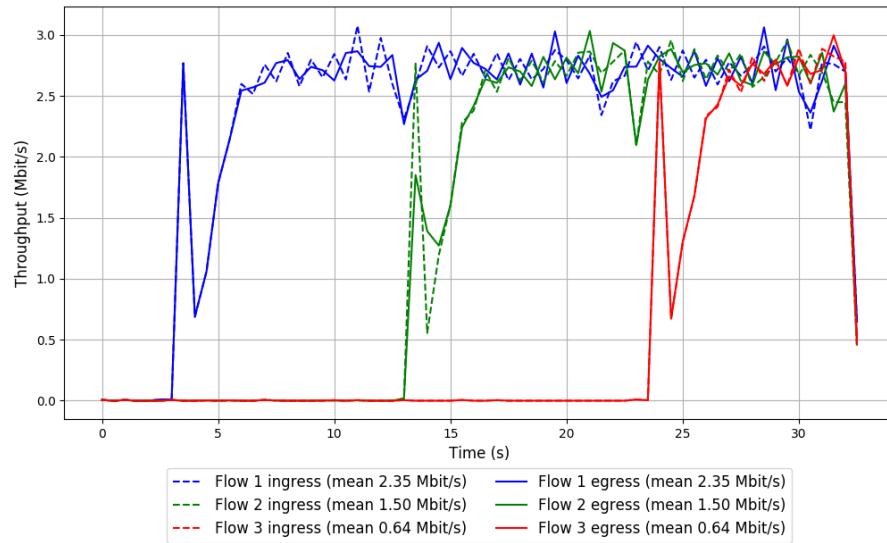


Run 1: Statistics of WebRTC media

```
Start at: 2018-02-28 03:34:59
End at: 2018-02-28 03:35:29
Local clock offset: 4.39 ms
Remote clock offset: 0.125 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 11.244 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 10.609 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 11.214 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 12.612 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

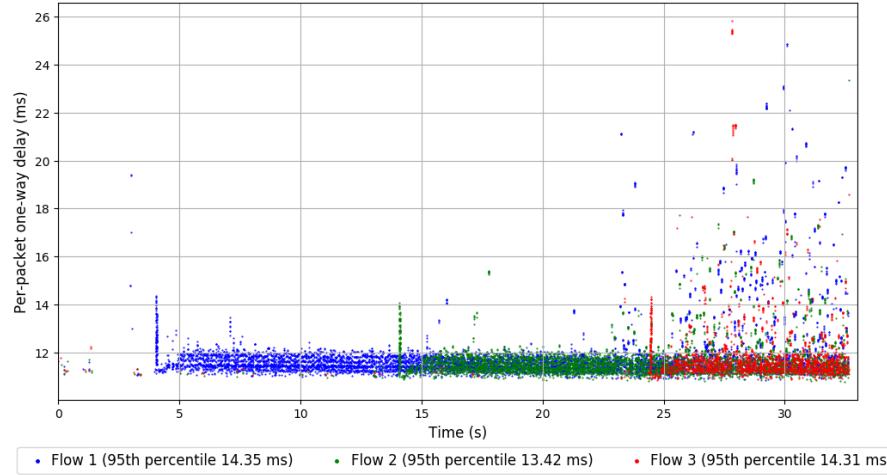
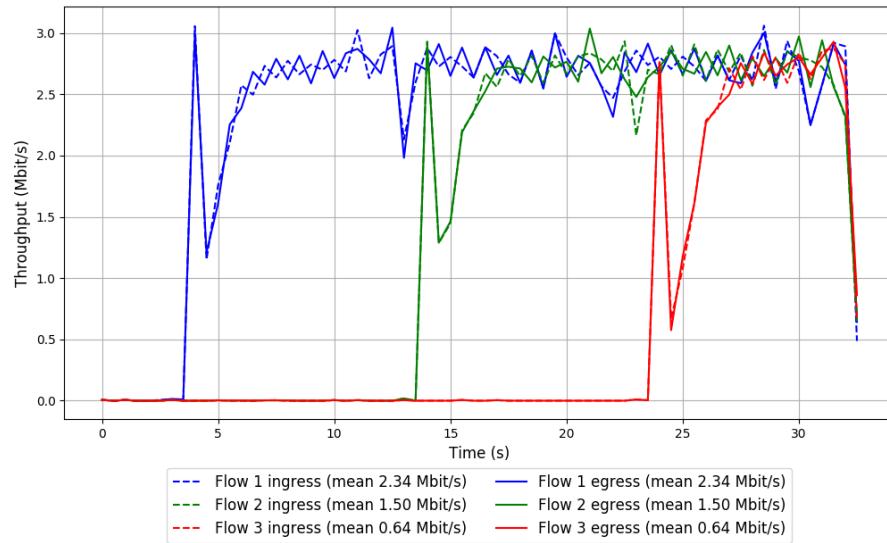


Run 2: Statistics of WebRTC media

```
Start at: 2018-02-28 03:56:30
End at: 2018-02-28 03:57:00
Local clock offset: 4.522 ms
Remote clock offset: 9.59 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 13.990 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 14.351 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 13.418 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 14.313 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

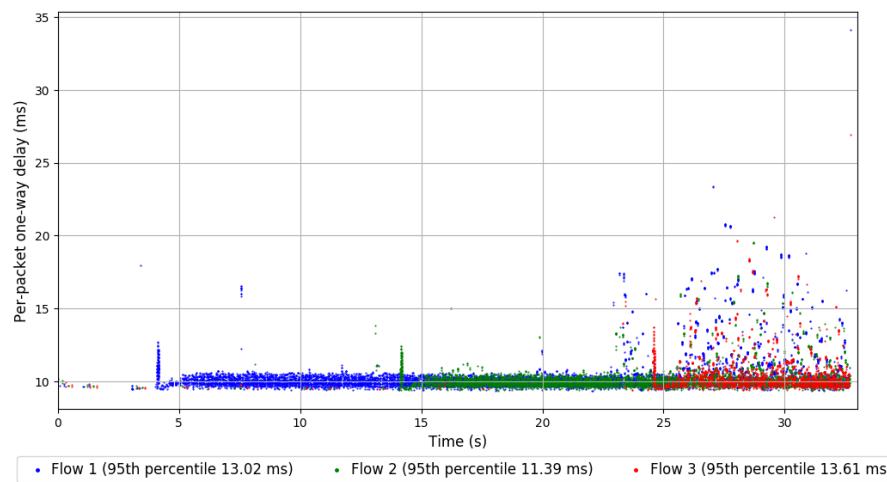
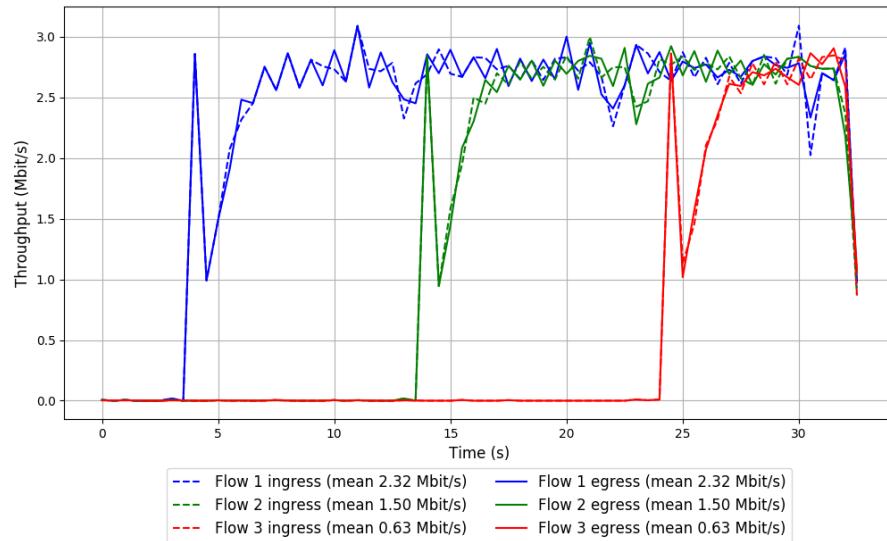


Run 3: Statistics of WebRTC media

```
Start at: 2018-02-28 04:18:01
End at: 2018-02-28 04:18:31
Local clock offset: 5.81 ms
Remote clock offset: 15.205 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 12.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 13.015 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 11.387 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 13.614 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

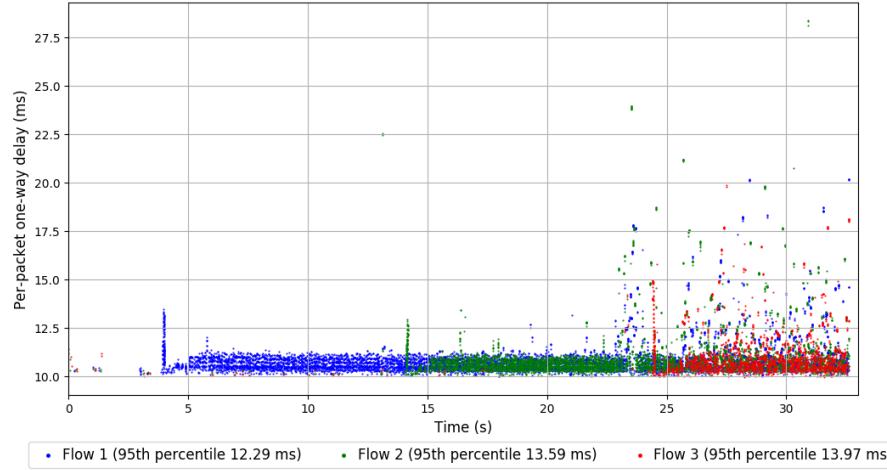
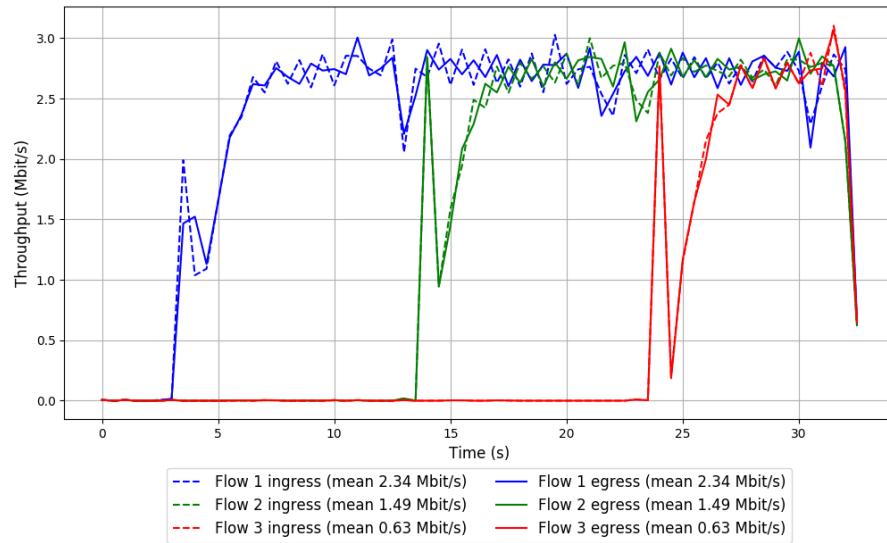


Run 4: Statistics of WebRTC media

```
Start at: 2018-02-28 04:39:28
End at: 2018-02-28 04:39:58
Local clock offset: 4.496 ms
Remote clock offset: 18.485 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 12.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 12.287 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 13.585 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 13.967 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

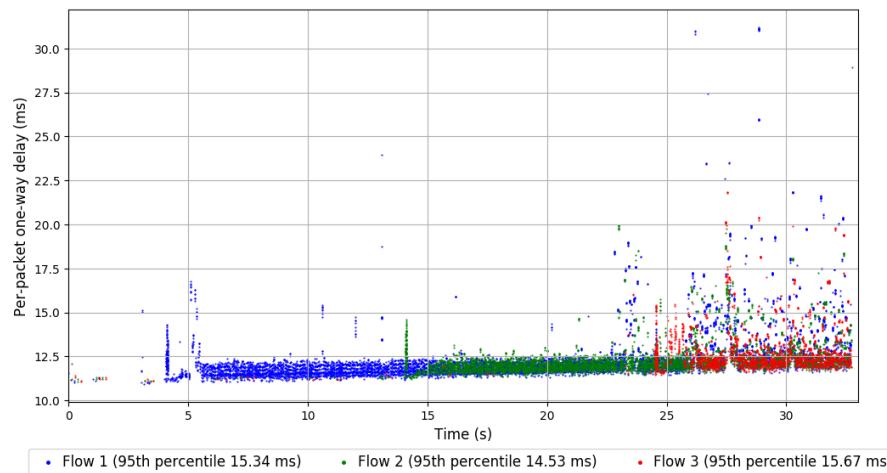
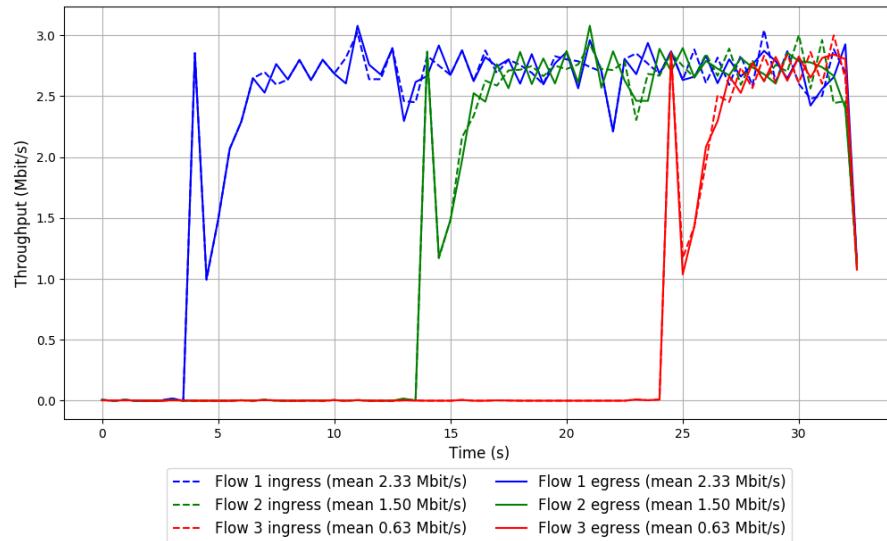


```
Run 5: Statistics of WebRTC media

Start at: 2018-02-28 05:00:55
End at: 2018-02-28 05:01:25
Local clock offset: 3.89 ms
Remote clock offset: 8.711 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 15.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 15.341 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 14.529 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 15.669 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

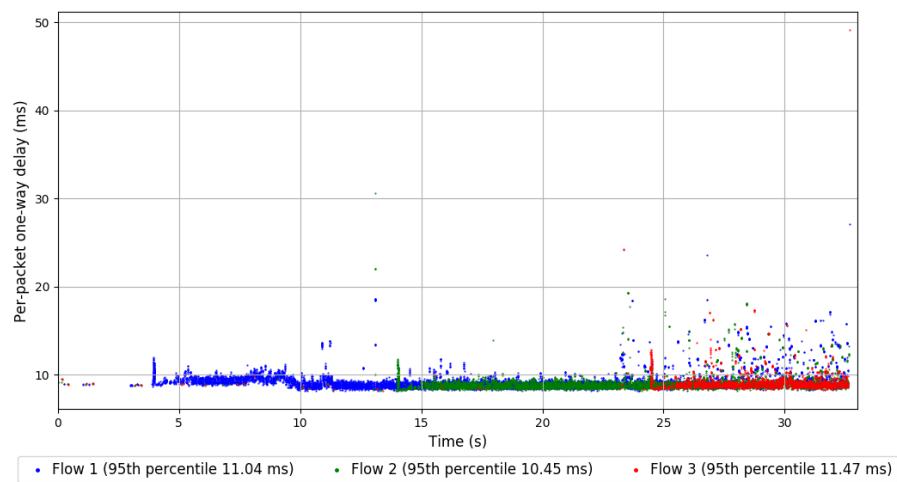
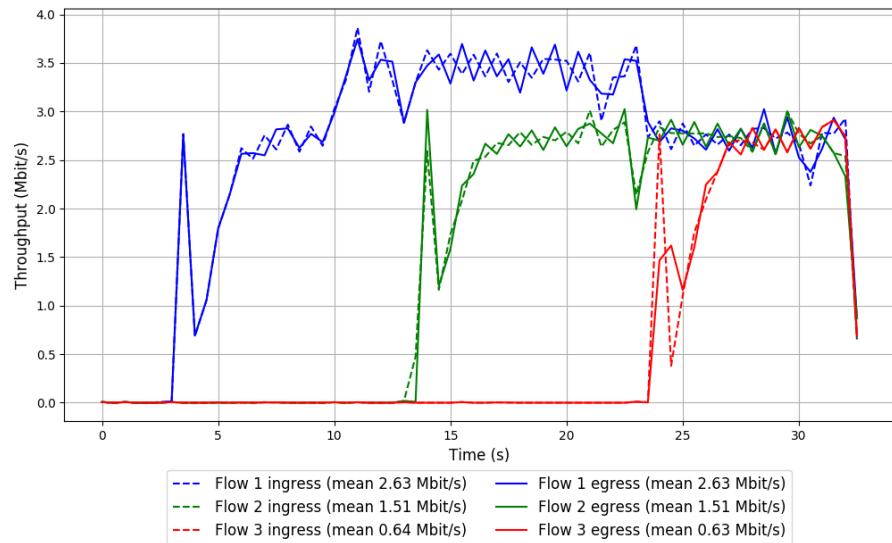


Run 6: Statistics of WebRTC media

```
Start at: 2018-02-28 05:22:16
End at: 2018-02-28 05:22:46
Local clock offset: 3.795 ms
Remote clock offset: -6.847 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 11.009 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 11.043 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 10.452 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 11.469 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

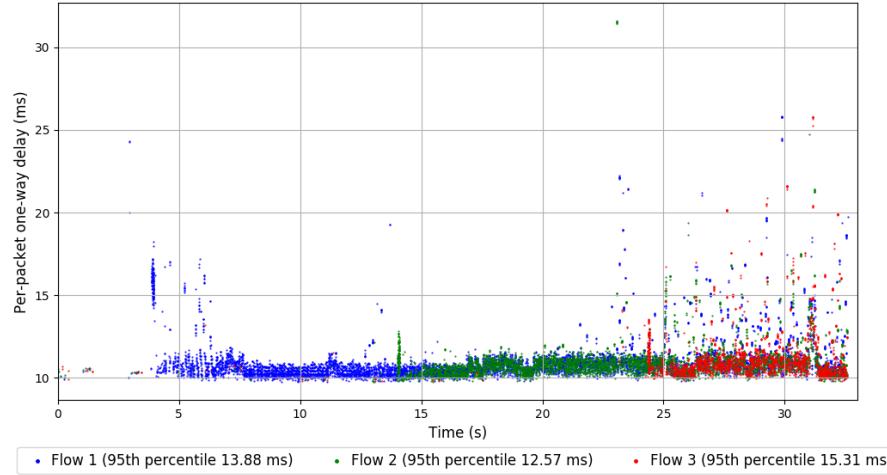
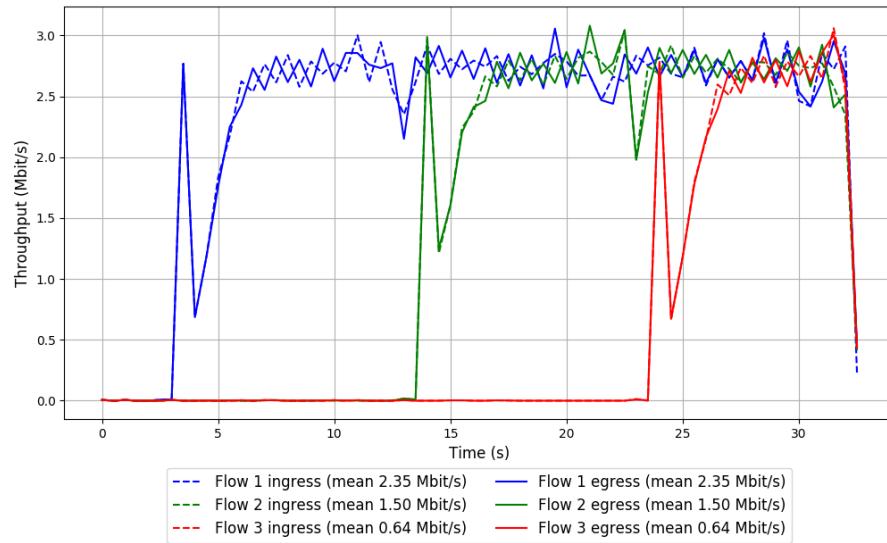


Run 7: Statistics of WebRTC media

```
Start at: 2018-02-28 05:43:41
End at: 2018-02-28 05:44:11
Local clock offset: 2.716 ms
Remote clock offset: -3.847 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 13.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 13.881 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 12.570 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 15.314 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

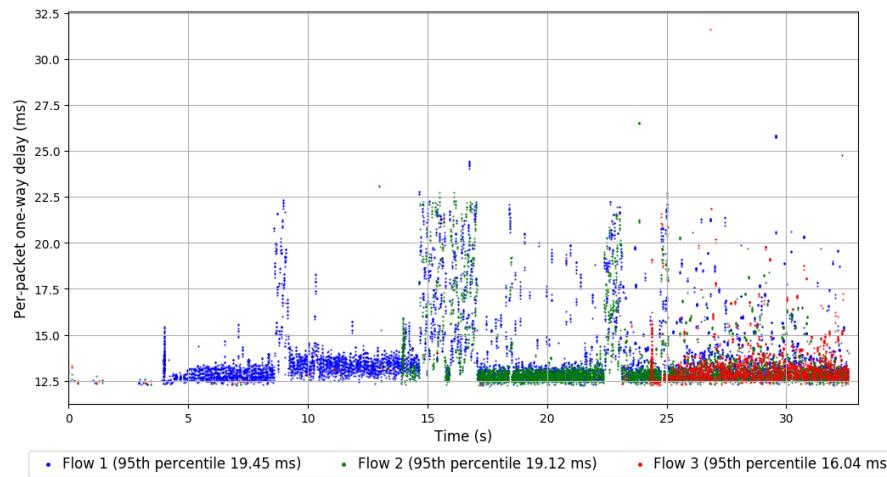
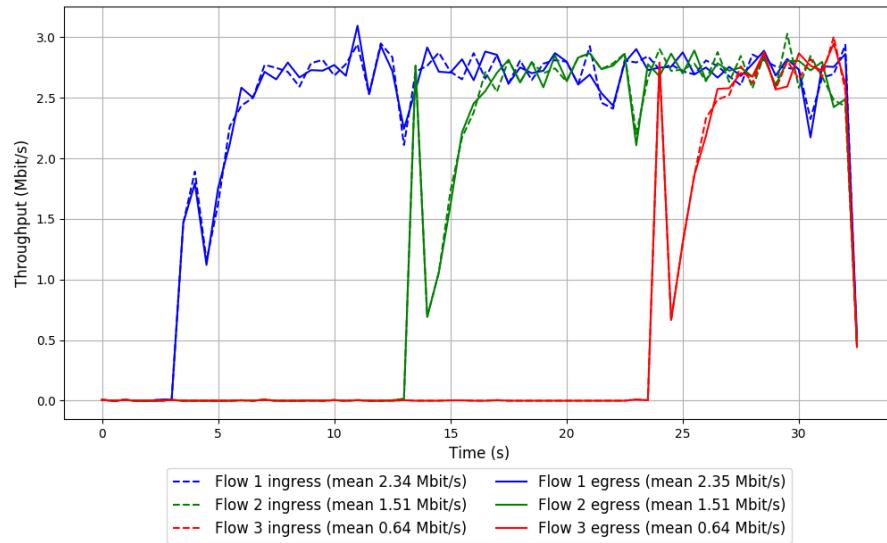


Run 8: Statistics of WebRTC media

```
Start at: 2018-02-28 06:04:57
End at: 2018-02-28 06:05:27
Local clock offset: 0.302 ms
Remote clock offset: -5.348 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 19.051 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 19.455 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 16.044 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

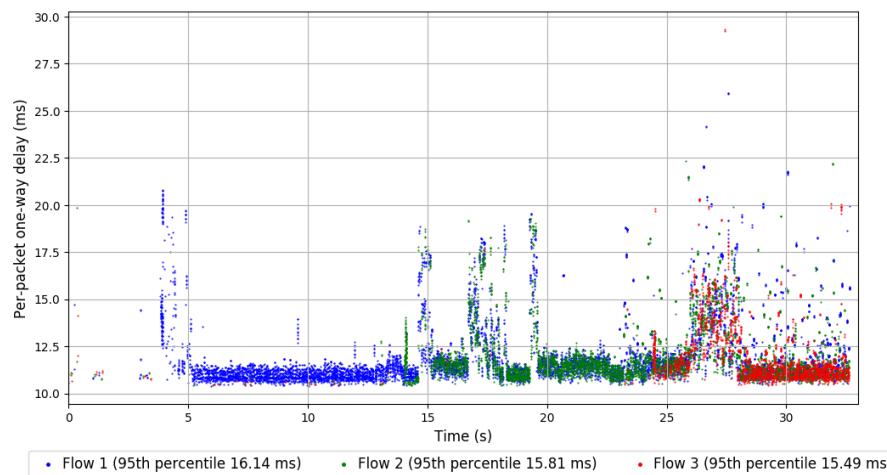
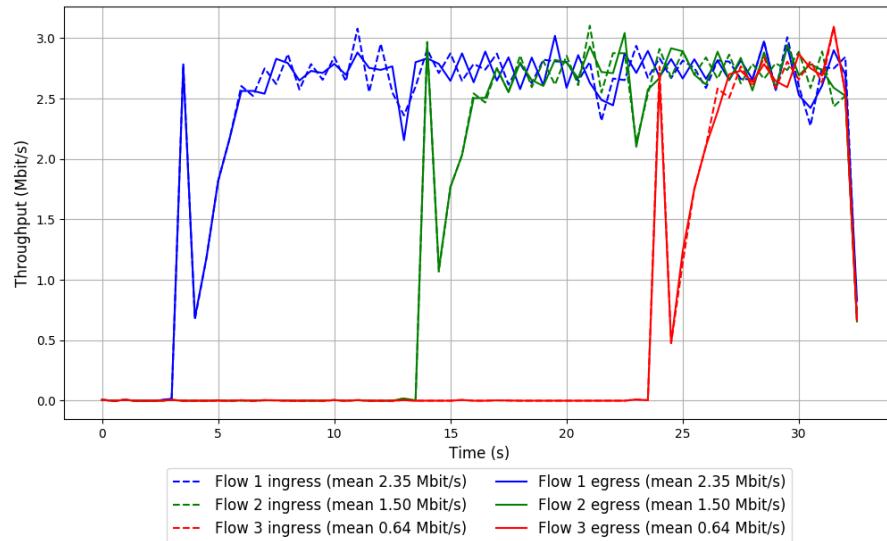


Run 9: Statistics of WebRTC media

```
Start at: 2018-02-28 06:26:12
End at: 2018-02-28 06:26:42
Local clock offset: 1.719 ms
Remote clock offset: -7.403 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 15.879 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 16.137 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 15.813 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 15.495 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

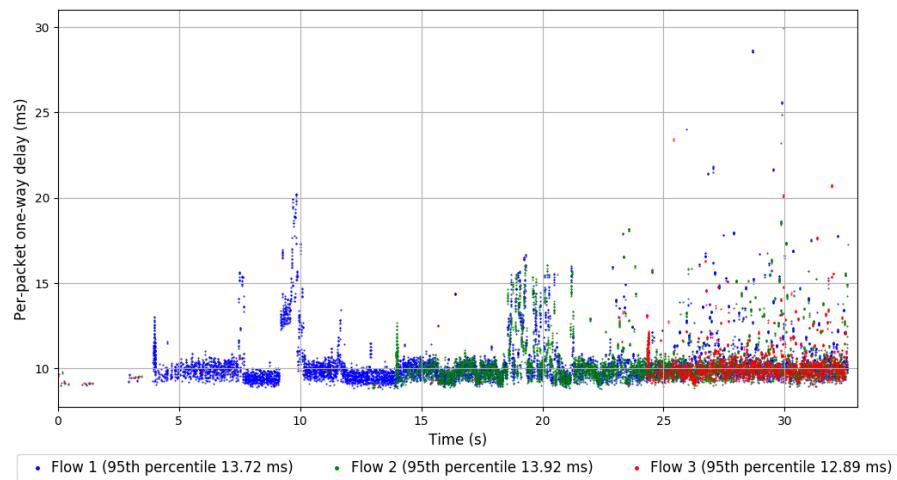
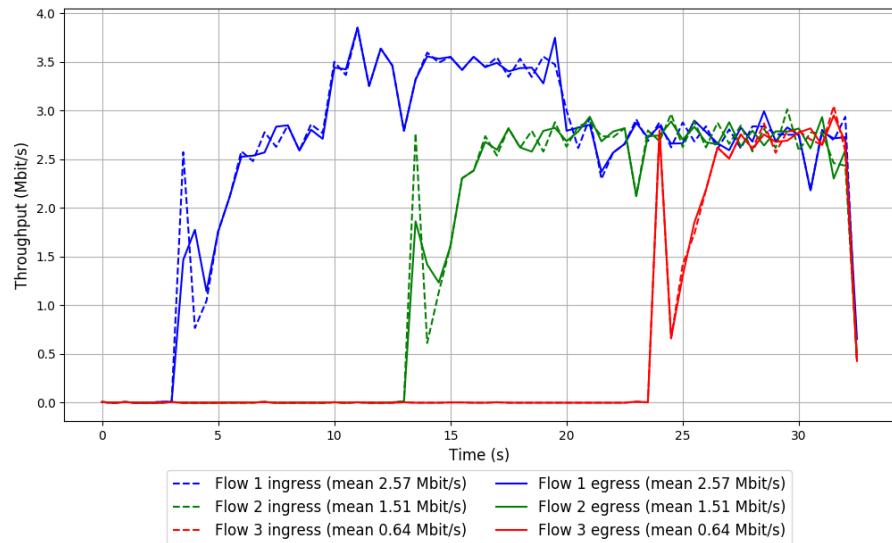


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-02-28 06:47:34
End at: 2018-02-28 06:48:04
Local clock offset: 4.512 ms
Remote clock offset: -4.568 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 13.659 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 13.724 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 13.921 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 12.890 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

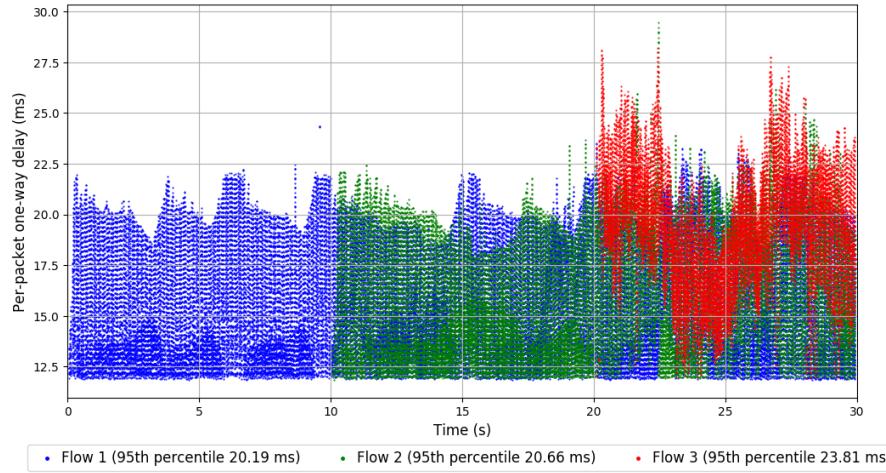
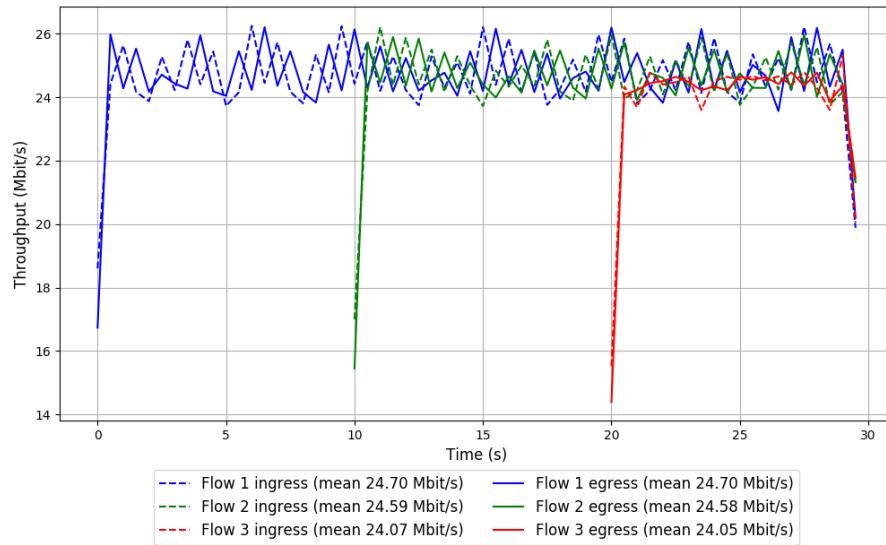


Run 1: Statistics of Sprout

```
Start at: 2018-02-28 03:37:19
End at: 2018-02-28 03:37:49
Local clock offset: 2.138 ms
Remote clock offset: 0.556 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 21.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 20.193 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 20.659 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 23.809 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

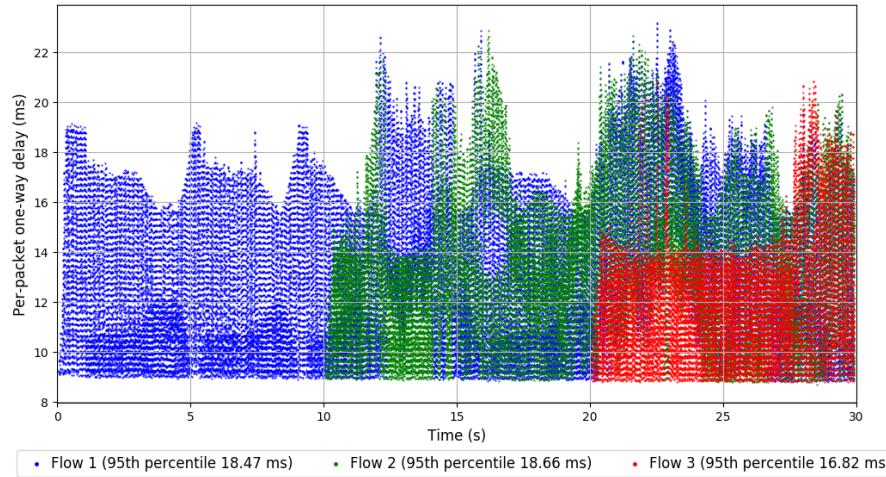
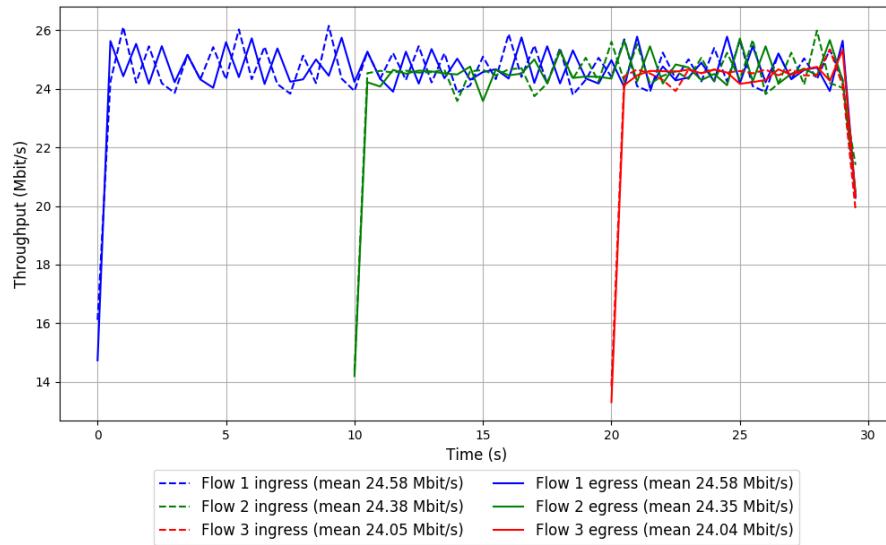


Run 2: Statistics of Sprout

```
Start at: 2018-02-28 03:58:53
End at: 2018-02-28 03:59:23
Local clock offset: 5.709 ms
Remote clock offset: 9.413 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.72 Mbit/s
95th percentile per-packet one-way delay: 18.357 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 18.470 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 18.665 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 16.821 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

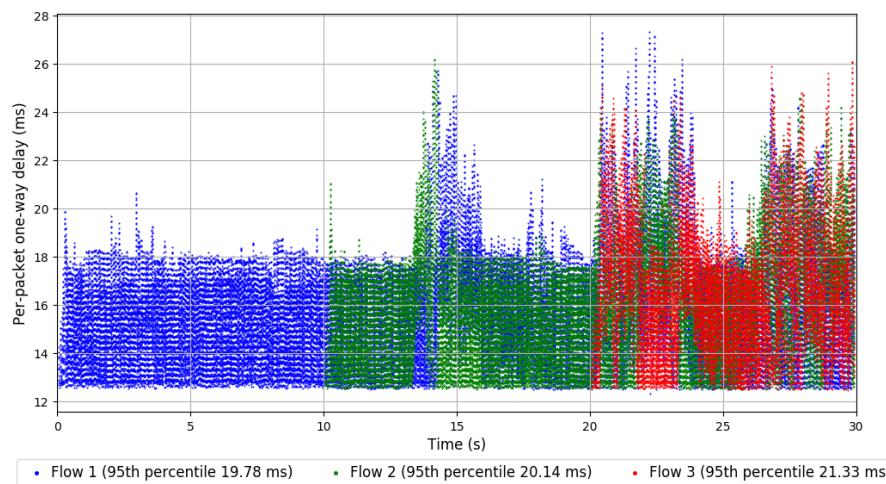
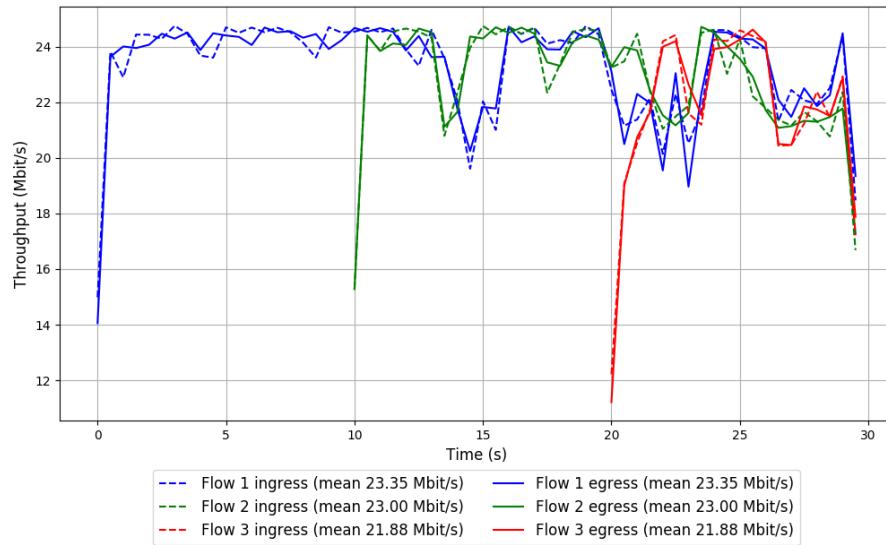


Run 3: Statistics of Sprout

```
Start at: 2018-02-28 04:20:22
End at: 2018-02-28 04:20:52
Local clock offset: 2.54 ms
Remote clock offset: 15.162 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.88 Mbit/s
95th percentile per-packet one-way delay: 20.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 19.783 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.00 Mbit/s
95th percentile per-packet one-way delay: 20.135 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.88 Mbit/s
95th percentile per-packet one-way delay: 21.333 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

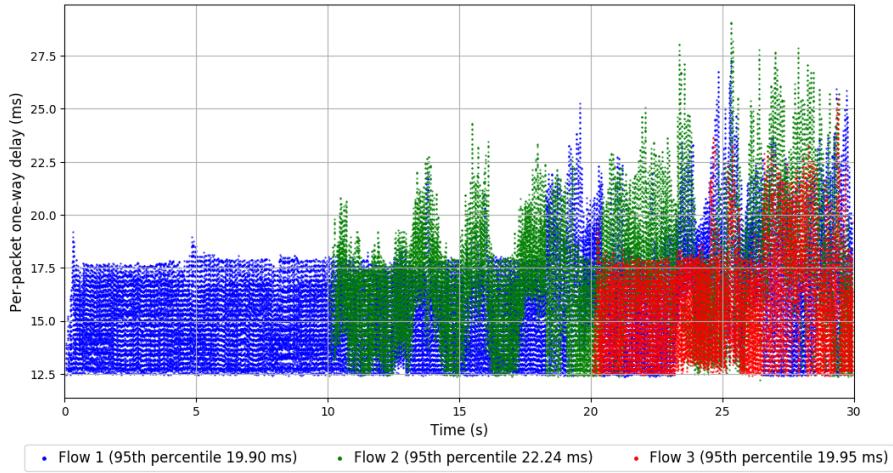
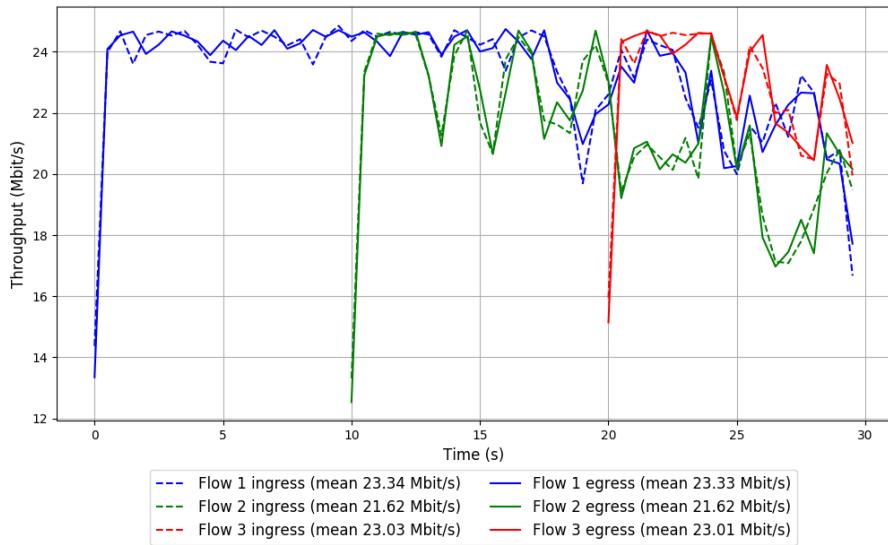


Run 4: Statistics of Sprout

```
Start at: 2018-02-28 04:41:50
End at: 2018-02-28 04:42:20
Local clock offset: 3.136 ms
Remote clock offset: 19.822 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.31 Mbit/s
95th percentile per-packet one-way delay: 20.889 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.33 Mbit/s
95th percentile per-packet one-way delay: 19.898 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.62 Mbit/s
95th percentile per-packet one-way delay: 22.240 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.01 Mbit/s
95th percentile per-packet one-way delay: 19.947 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

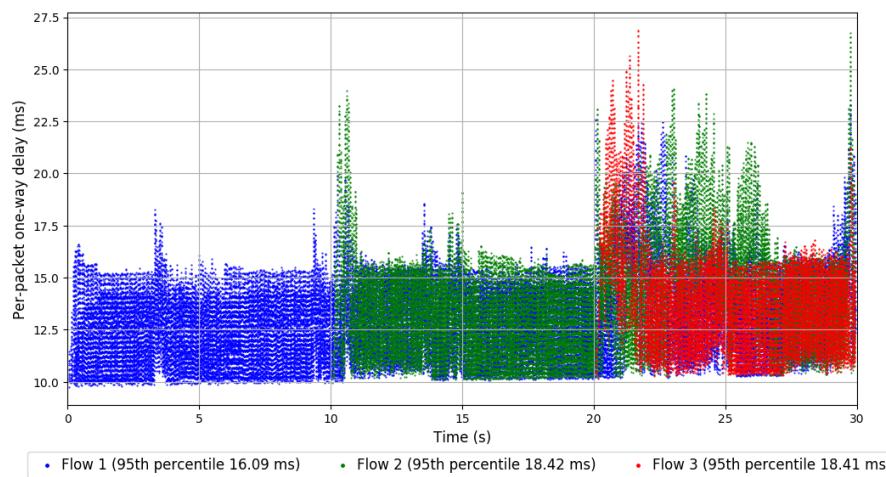
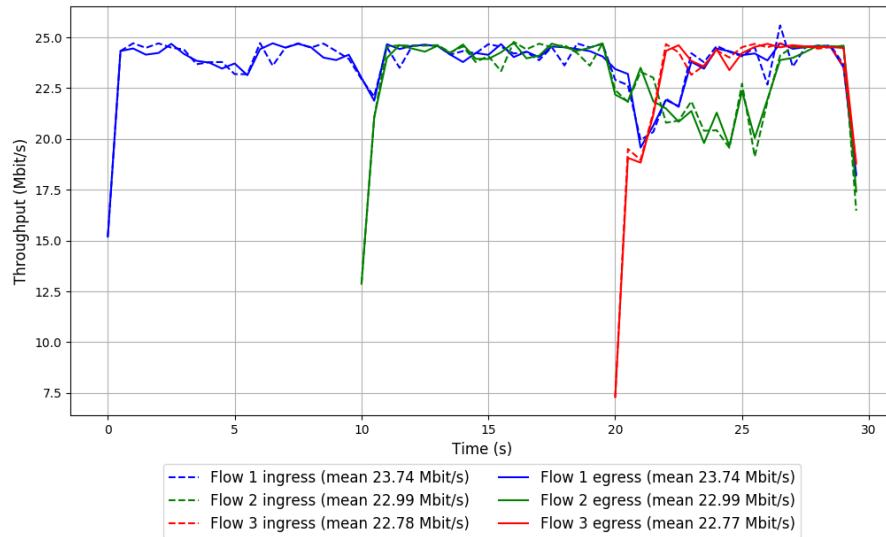


Run 5: Statistics of Sprout

```
Start at: 2018-02-28 05:03:15
End at: 2018-02-28 05:03:45
Local clock offset: 4.467 ms
Remote clock offset: 4.895 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.53 Mbit/s
95th percentile per-packet one-way delay: 17.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.74 Mbit/s
95th percentile per-packet one-way delay: 16.094 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.99 Mbit/s
95th percentile per-packet one-way delay: 18.421 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.77 Mbit/s
95th percentile per-packet one-way delay: 18.409 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

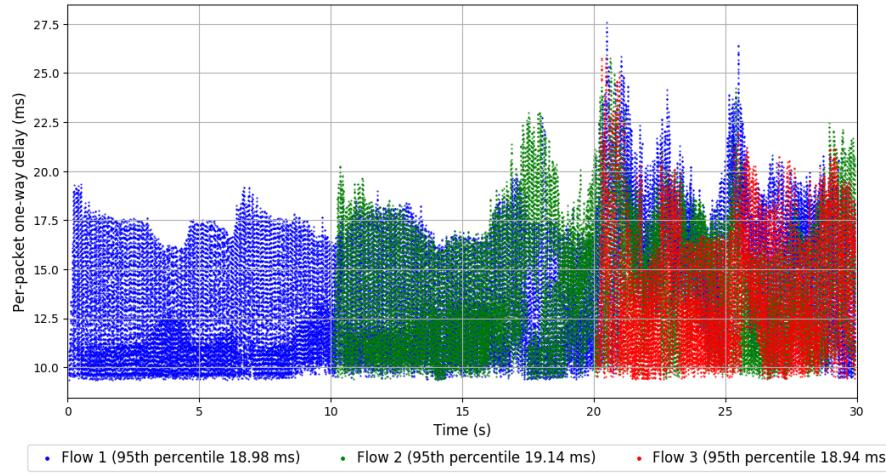
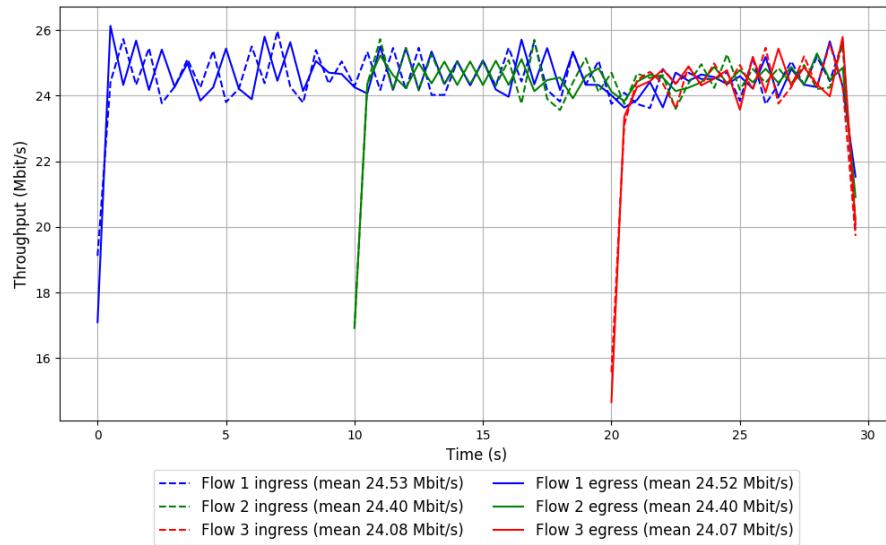


Run 6: Statistics of Sprout

```
Start at: 2018-02-28 05:24:35
End at: 2018-02-28 05:25:05
Local clock offset: 4.083 ms
Remote clock offset: -6.157 ms

# Below is generated by plot.py at 2018-02-28 07:47:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.71 Mbit/s
95th percentile per-packet one-way delay: 19.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 18.979 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 19.143 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 18.937 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

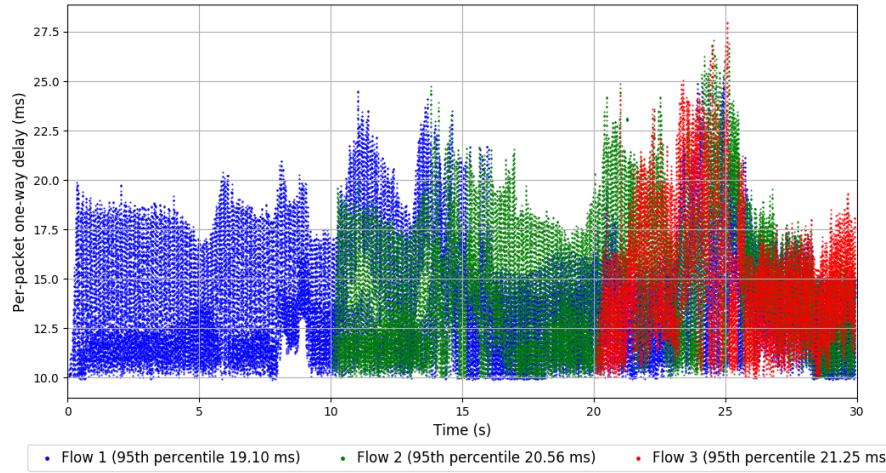
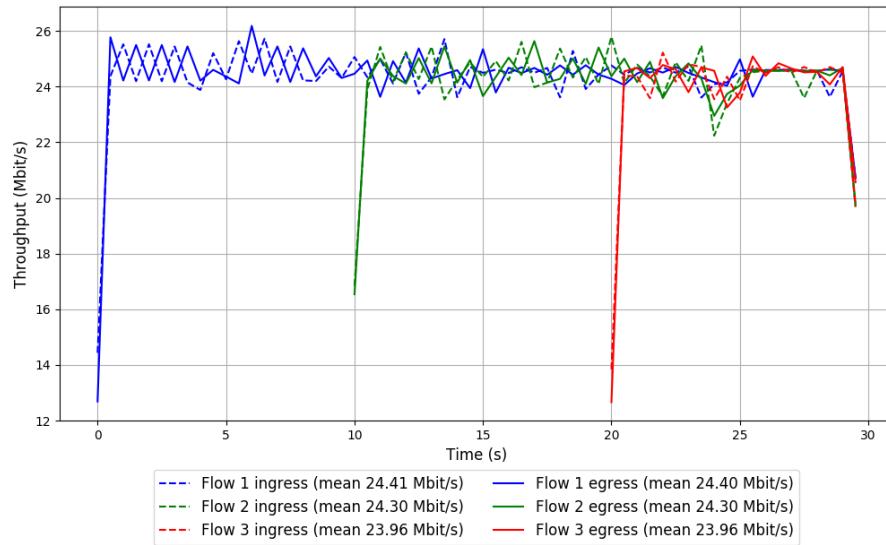


Run 7: Statistics of Sprout

```
Start at: 2018-02-28 05:46:02
End at: 2018-02-28 05:46:32
Local clock offset: 2.774 ms
Remote clock offset: -3.754 ms

# Below is generated by plot.py at 2018-02-28 07:48:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 20.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 19.102 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 20.564 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 21.247 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

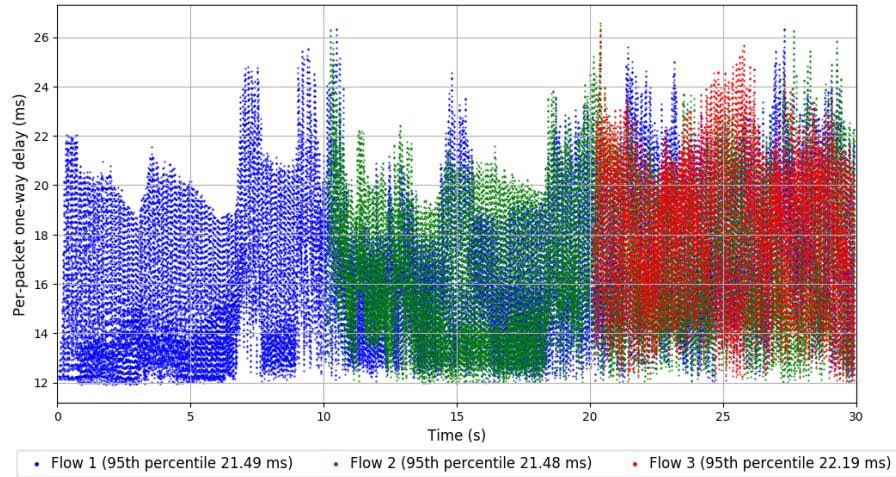
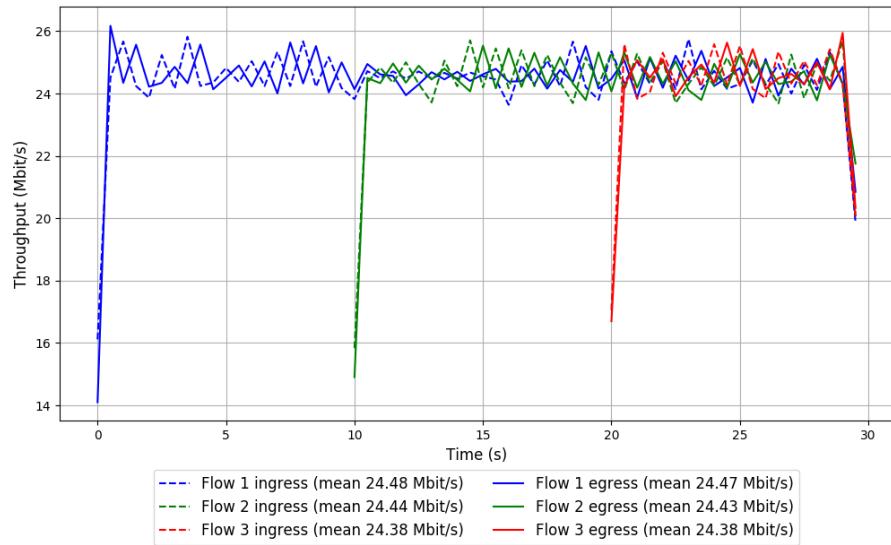


Run 8: Statistics of Sprout

```
Start at: 2018-02-28 06:07:20
End at: 2018-02-28 06:07:50
Local clock offset: 0.951 ms
Remote clock offset: -5.382 ms

# Below is generated by plot.py at 2018-02-28 07:48:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.77 Mbit/s
95th percentile per-packet one-way delay: 21.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 21.494 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 21.476 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 22.191 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

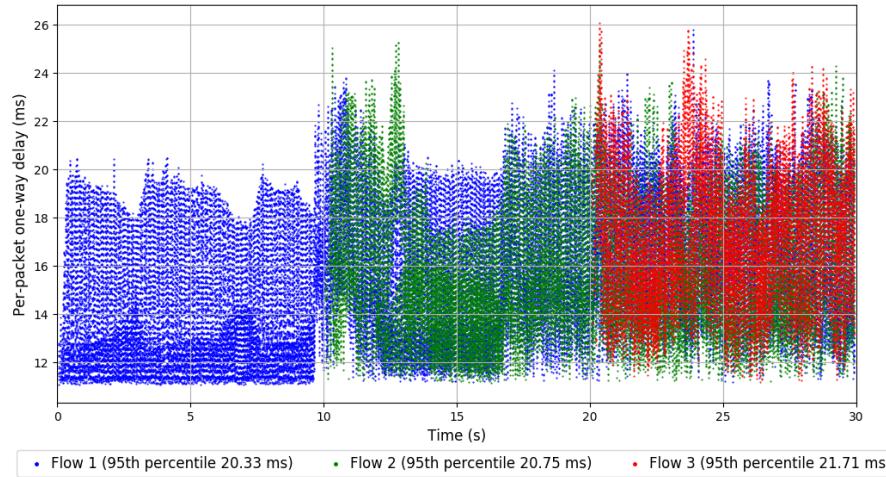
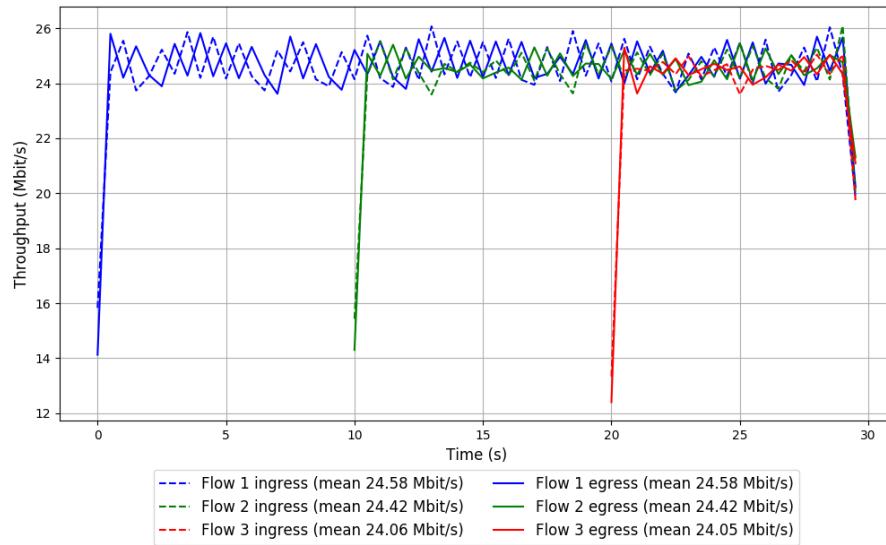


Run 9: Statistics of Sprout

```
Start at: 2018-02-28 06:28:32
End at: 2018-02-28 06:29:02
Local clock offset: 1.767 ms
Remote clock offset: -7.305 ms

# Below is generated by plot.py at 2018-02-28 07:48:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 20.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 20.333 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 20.754 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 21.714 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

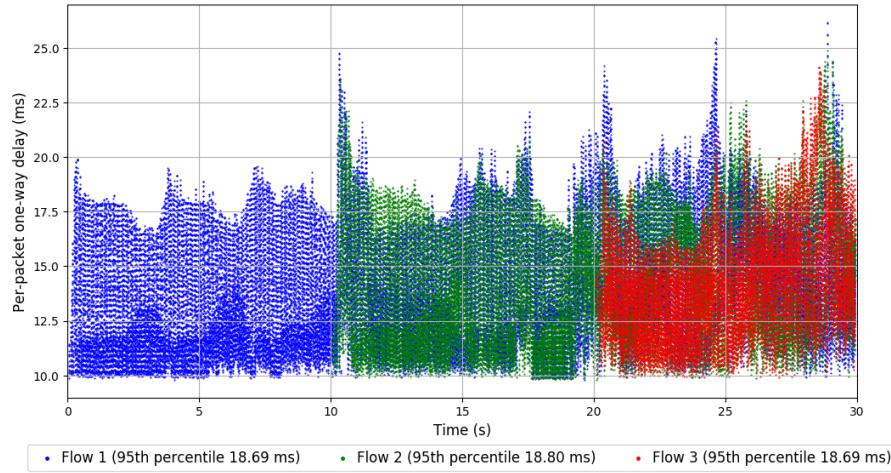
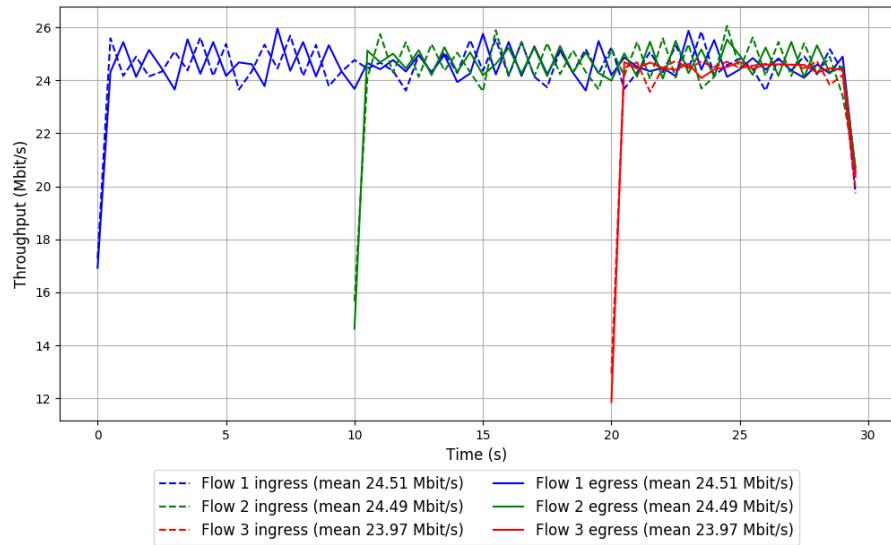


Run 10: Statistics of Sprout

```
Start at: 2018-02-28 06:49:56
End at: 2018-02-28 06:50:26
Local clock offset: 4.021 ms
Remote clock offset: -4.002 ms

# Below is generated by plot.py at 2018-02-28 07:48:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.71 Mbit/s
95th percentile per-packet one-way delay: 18.733 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 18.691 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 18.799 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 18.689 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

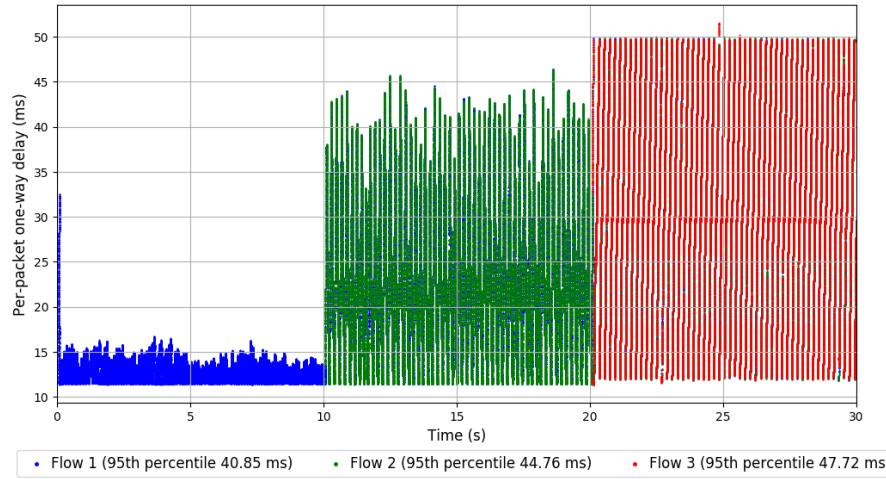
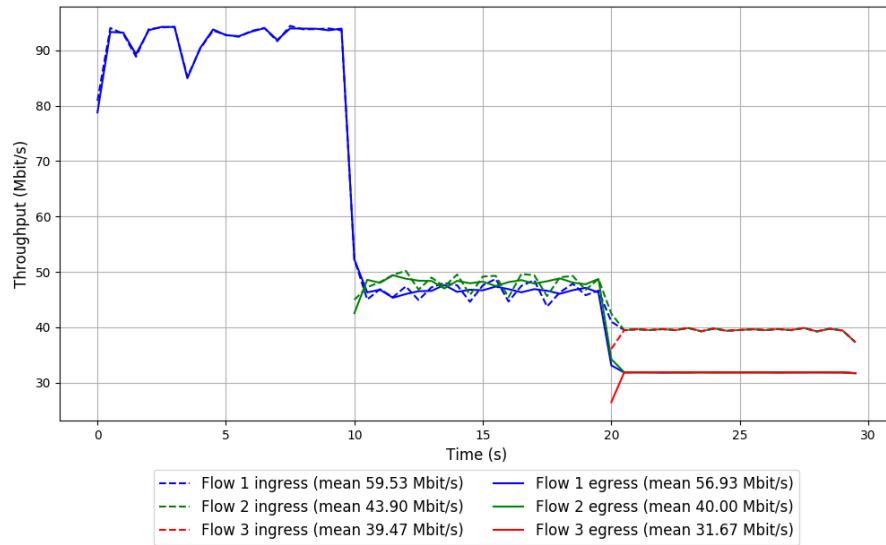


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-02-28 03:36:04
End at: 2018-02-28 03:36:34
Local clock offset: 2.423 ms
Remote clock offset: 0.349 ms

# Below is generated by plot.py at 2018-02-28 07:50:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.10 Mbit/s
95th percentile per-packet one-way delay: 43.898 ms
Loss rate: 7.57%
-- Flow 1:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: 40.849 ms
Loss rate: 4.31%
-- Flow 2:
Average throughput: 40.00 Mbit/s
95th percentile per-packet one-way delay: 44.759 ms
Loss rate: 8.80%
-- Flow 3:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 47.721 ms
Loss rate: 19.61%
```

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

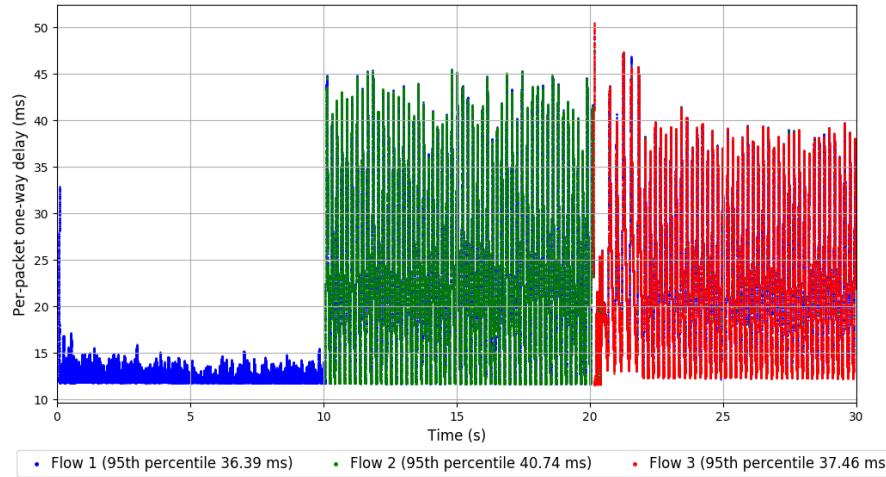
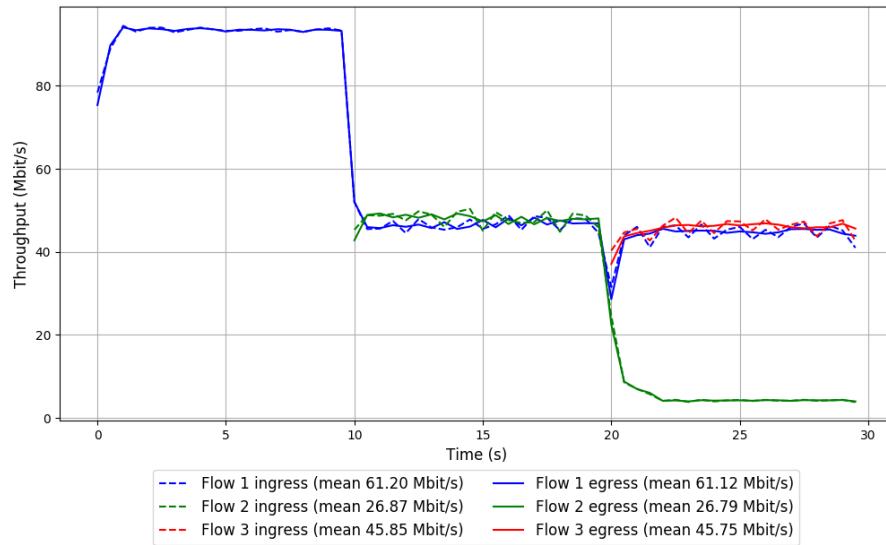


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-02-28 03:57:37
End at: 2018-02-28 03:58:07
Local clock offset: 3.584 ms
Remote clock offset: 9.585 ms

# Below is generated by plot.py at 2018-02-28 07:50:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 37.911 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 61.12 Mbit/s
95th percentile per-packet one-way delay: 36.392 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 26.79 Mbit/s
95th percentile per-packet one-way delay: 40.745 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 45.75 Mbit/s
95th percentile per-packet one-way delay: 37.459 ms
Loss rate: 0.19%
```

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

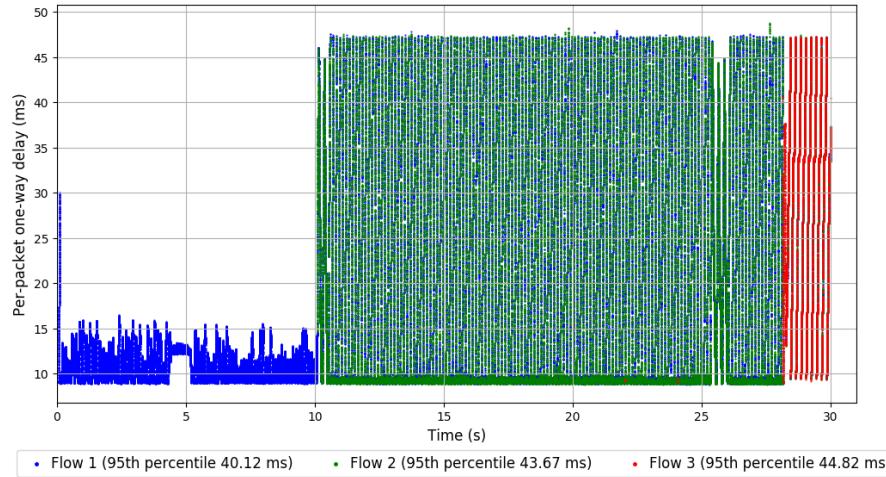
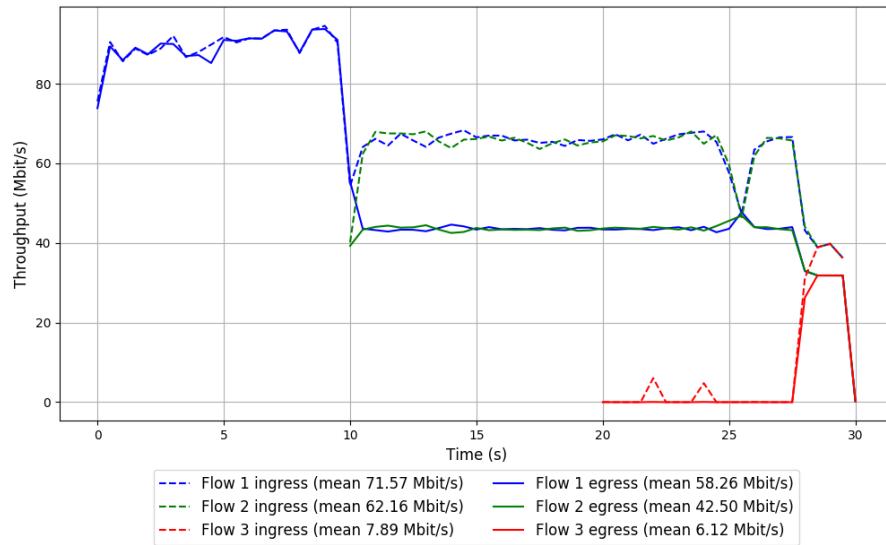


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-02-28 04:19:07
End at: 2018-02-28 04:19:37
Local clock offset: 5.714 ms
Remote clock offset: 14.503 ms

# Below is generated by plot.py at 2018-02-28 07:50:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.61 Mbit/s
95th percentile per-packet one-way delay: 42.045 ms
Loss rate: 23.26%
-- Flow 1:
Average throughput: 58.26 Mbit/s
95th percentile per-packet one-way delay: 40.124 ms
Loss rate: 18.52%
-- Flow 2:
Average throughput: 42.50 Mbit/s
95th percentile per-packet one-way delay: 43.667 ms
Loss rate: 31.53%
-- Flow 3:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 44.824 ms
Loss rate: 22.25%
```

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

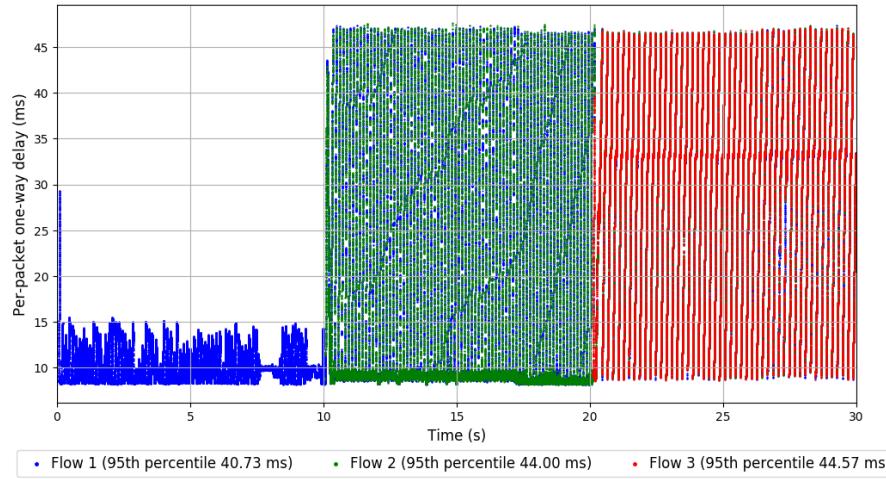
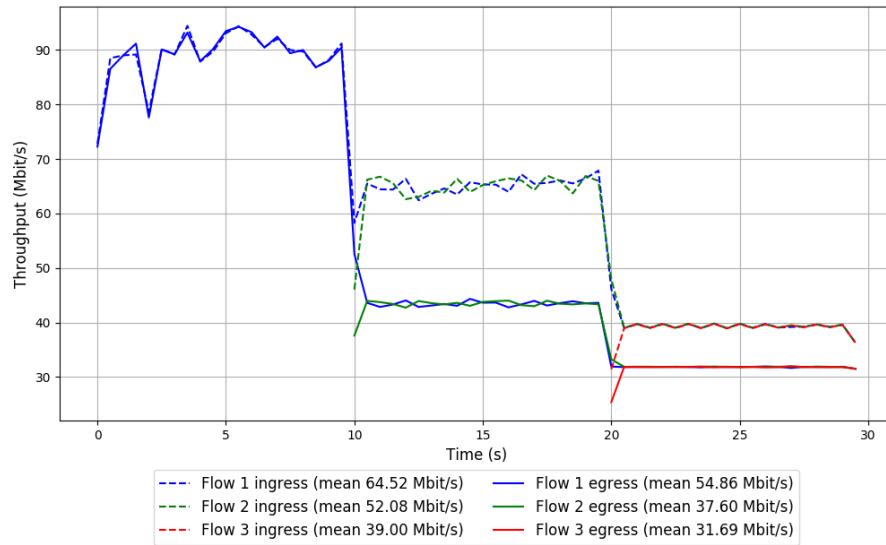


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-02-28 04:40:34
End at: 2018-02-28 04:41:04
Local clock offset: 5.902 ms
Remote clock offset: 18.14 ms

# Below is generated by plot.py at 2018-02-28 07:50:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.41 Mbit/s
95th percentile per-packet one-way delay: 42.808 ms
Loss rate: 19.32%
-- Flow 1:
Average throughput: 54.86 Mbit/s
95th percentile per-packet one-way delay: 40.729 ms
Loss rate: 14.90%
-- Flow 2:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 43.996 ms
Loss rate: 27.73%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 44.567 ms
Loss rate: 18.80%
```

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

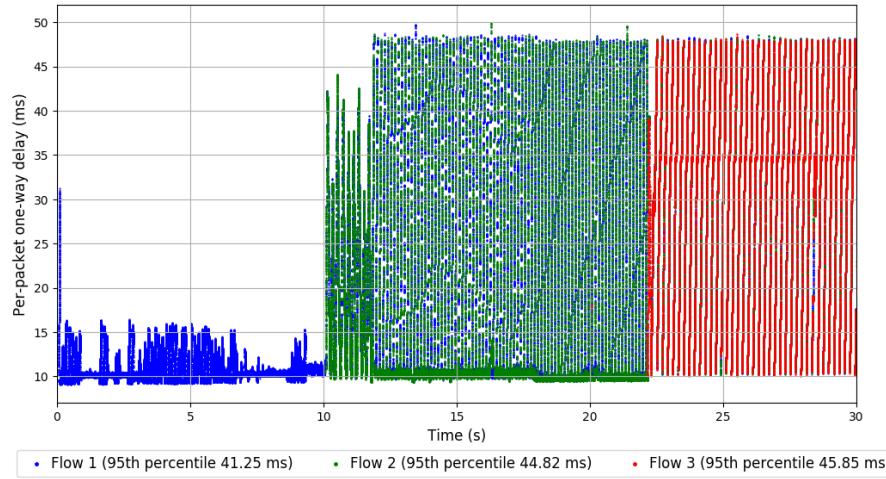
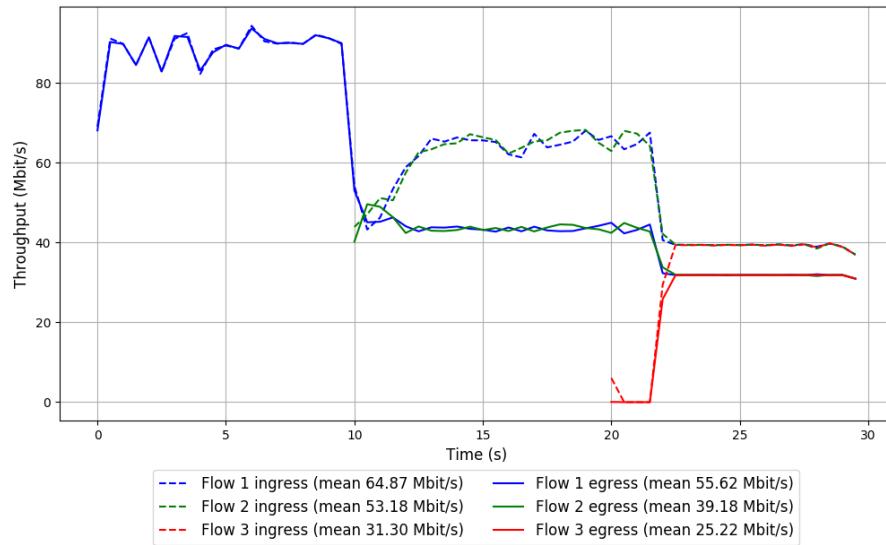


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-02-28 05:02:01
End at: 2018-02-28 05:02:31
Local clock offset: 5.37 ms
Remote clock offset: 6.616 ms

# Below is generated by plot.py at 2018-02-28 07:50:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 43.536 ms
Loss rate: 18.57%
-- Flow 1:
Average throughput: 55.62 Mbit/s
95th percentile per-packet one-way delay: 41.248 ms
Loss rate: 14.24%
-- Flow 2:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 44.819 ms
Loss rate: 26.28%
-- Flow 3:
Average throughput: 25.22 Mbit/s
95th percentile per-packet one-way delay: 45.855 ms
Loss rate: 19.34%
```

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

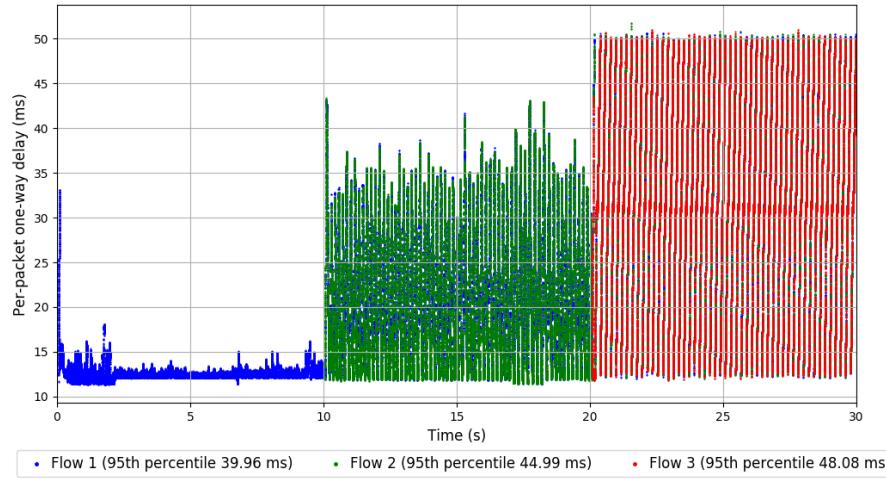
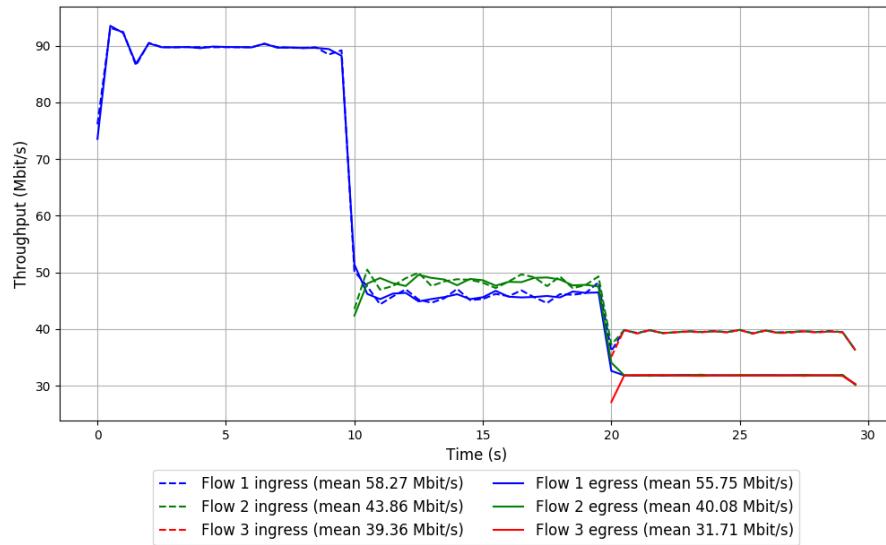


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-02-28 05:23:22
End at: 2018-02-28 05:23:52
Local clock offset: 1.714 ms
Remote clock offset: -6.248 ms

# Below is generated by plot.py at 2018-02-28 07:50:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 44.180 ms
Loss rate: 7.54%
-- Flow 1:
Average throughput: 55.75 Mbit/s
95th percentile per-packet one-way delay: 39.963 ms
Loss rate: 4.33%
-- Flow 2:
Average throughput: 40.08 Mbit/s
95th percentile per-packet one-way delay: 44.993 ms
Loss rate: 8.60%
-- Flow 3:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 48.081 ms
Loss rate: 19.49%
```

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

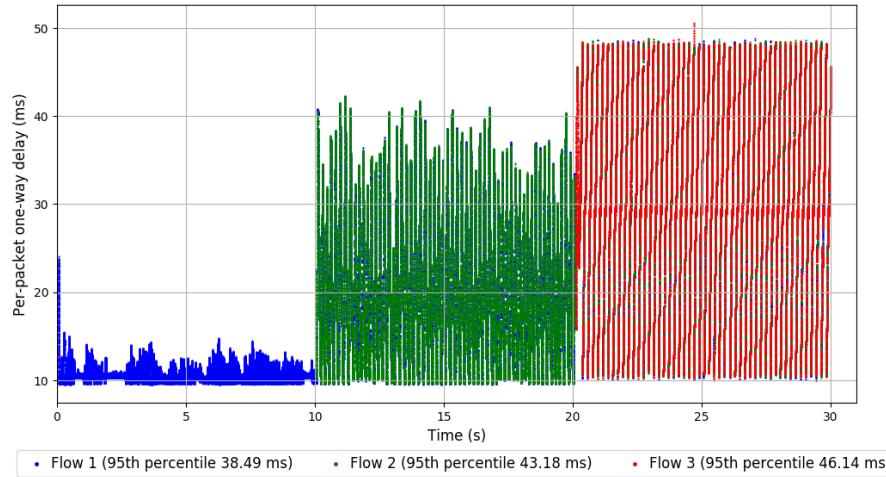
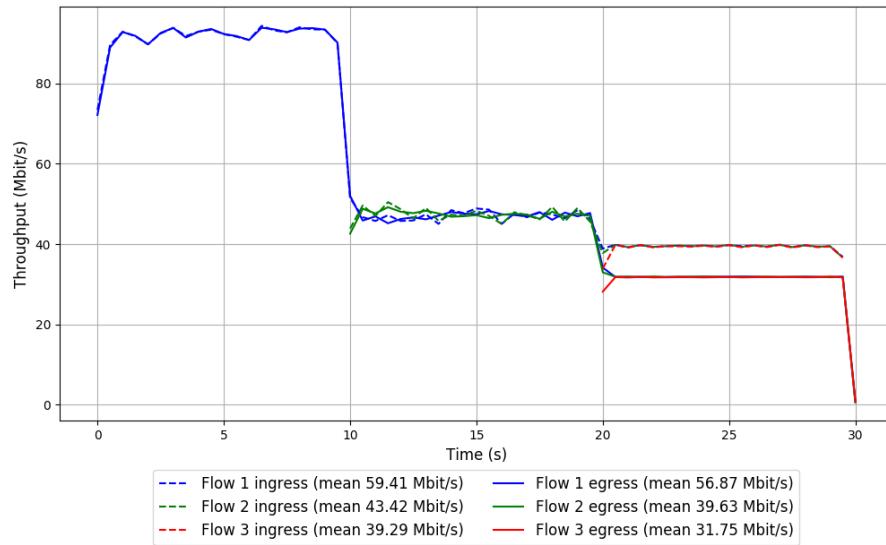


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-02-28 05:44:47
End at: 2018-02-28 05:45:17
Local clock offset: 3.113 ms
Remote clock offset: -3.787 ms

# Below is generated by plot.py at 2018-02-28 07:50:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.82 Mbit/s
95th percentile per-packet one-way delay: 42.271 ms
Loss rate: 7.33%
-- Flow 1:
Average throughput: 56.87 Mbit/s
95th percentile per-packet one-way delay: 38.495 ms
Loss rate: 4.17%
-- Flow 2:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 43.177 ms
Loss rate: 8.56%
-- Flow 3:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 46.141 ms
Loss rate: 19.00%
```

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

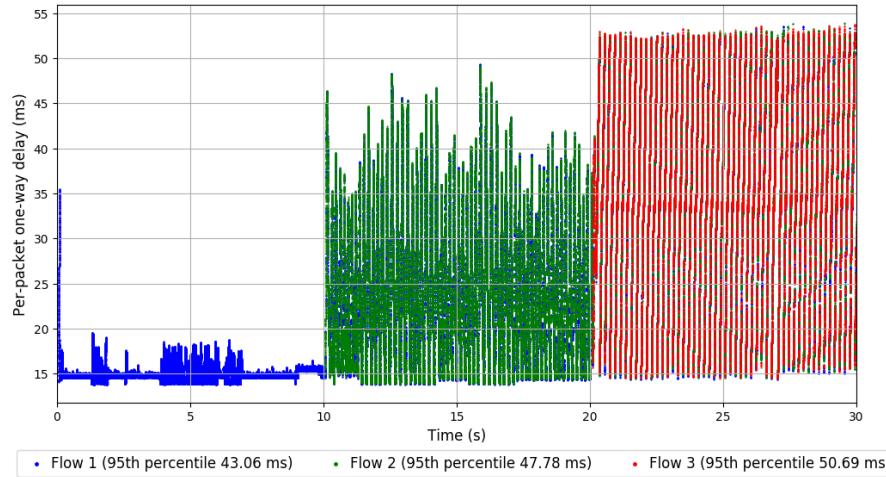
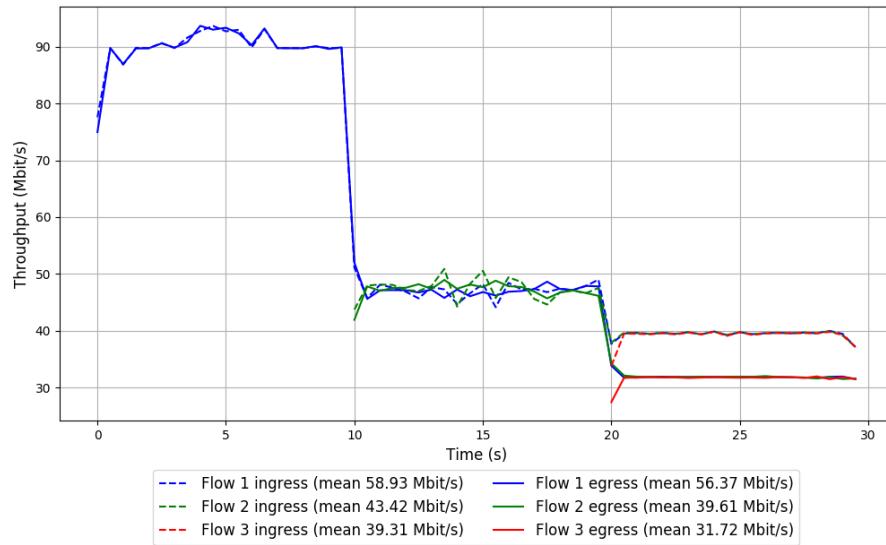


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-02-28 06:06:03
End at: 2018-02-28 06:06:33
Local clock offset: -0.613 ms
Remote clock offset: -4.972 ms

# Below is generated by plot.py at 2018-02-28 07:50:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 46.811 ms
Loss rate: 7.50%
-- Flow 1:
Average throughput: 56.37 Mbit/s
95th percentile per-packet one-way delay: 43.056 ms
Loss rate: 4.28%
-- Flow 2:
Average throughput: 39.61 Mbit/s
95th percentile per-packet one-way delay: 47.779 ms
Loss rate: 8.72%
-- Flow 3:
Average throughput: 31.72 Mbit/s
95th percentile per-packet one-way delay: 50.686 ms
Loss rate: 19.36%
```

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

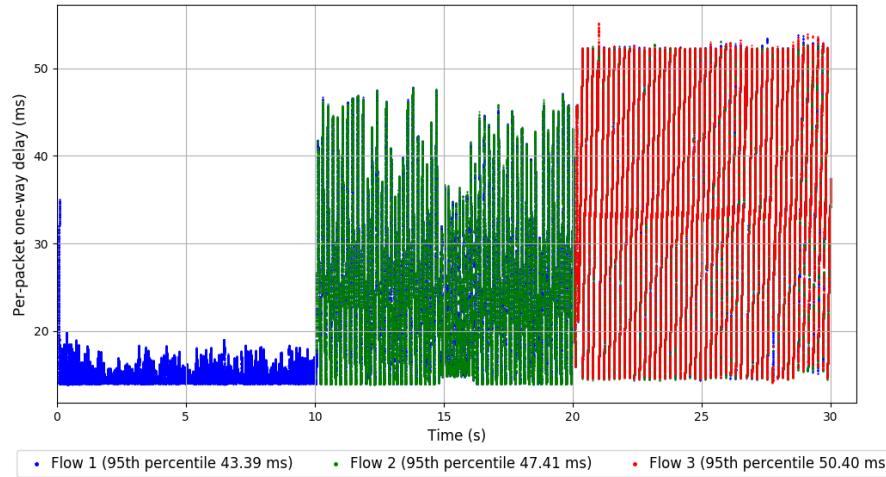
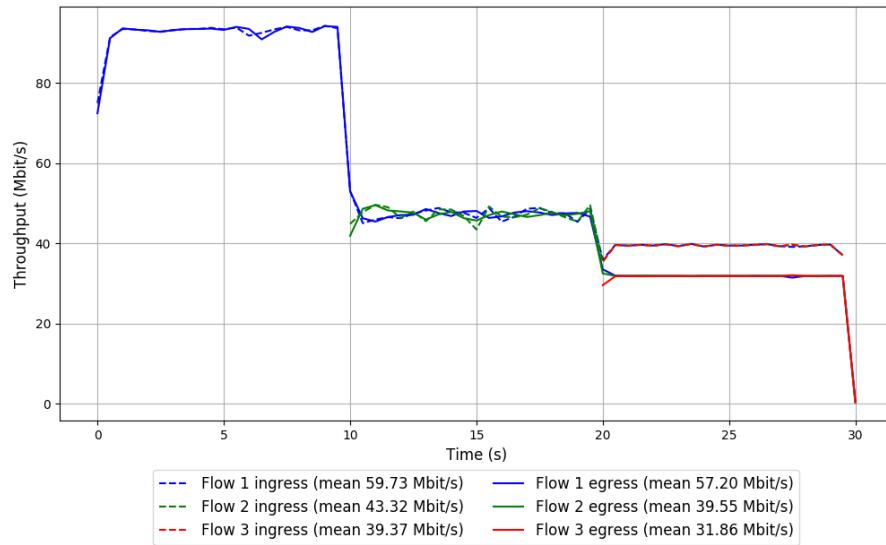


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-02-28 06:27:17
End at: 2018-02-28 06:27:47
Local clock offset: -0.66 ms
Remote clock offset: -6.679 ms

# Below is generated by plot.py at 2018-02-28 07:52:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 46.581 ms
Loss rate: 7.33%
-- Flow 1:
Average throughput: 57.20 Mbit/s
95th percentile per-packet one-way delay: 43.393 ms
Loss rate: 4.16%
-- Flow 2:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 47.407 ms
Loss rate: 8.60%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 50.399 ms
Loss rate: 19.00%
```

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

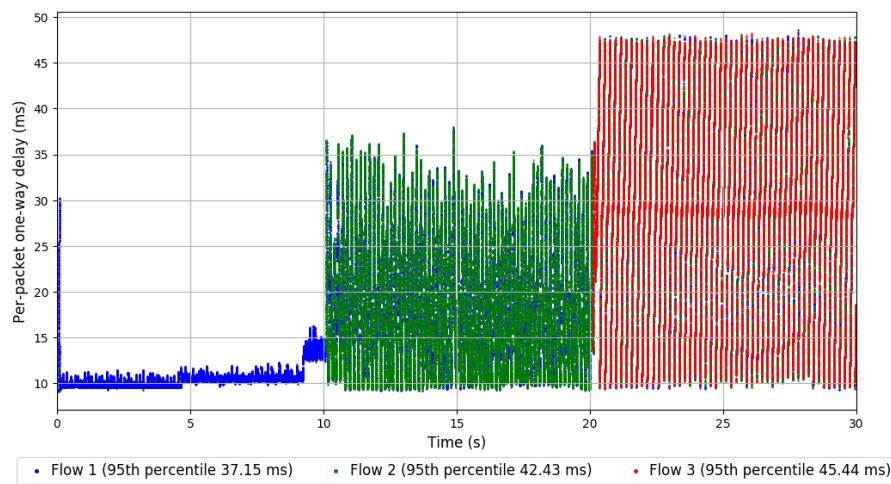
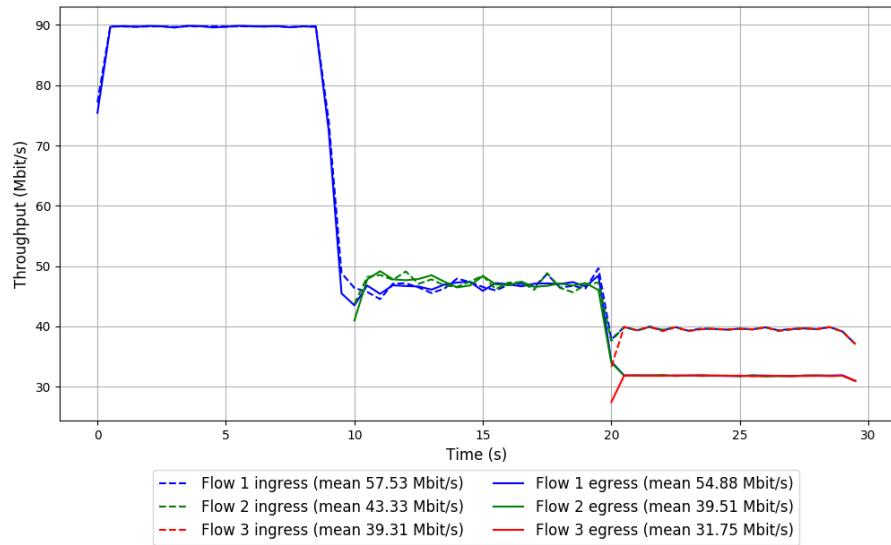


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-02-28 06:48:40
End at: 2018-02-28 06:49:10
Local clock offset: 4.191 ms
Remote clock offset: -5.044 ms

# Below is generated by plot.py at 2018-02-28 07:52:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 41.661 ms
Loss rate: 7.74%
-- Flow 1:
Average throughput: 54.88 Mbit/s
95th percentile per-packet one-way delay: 37.153 ms
Loss rate: 4.57%
-- Flow 2:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 42.426 ms
Loss rate: 8.80%
-- Flow 3:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 45.443 ms
Loss rate: 19.36%
```

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

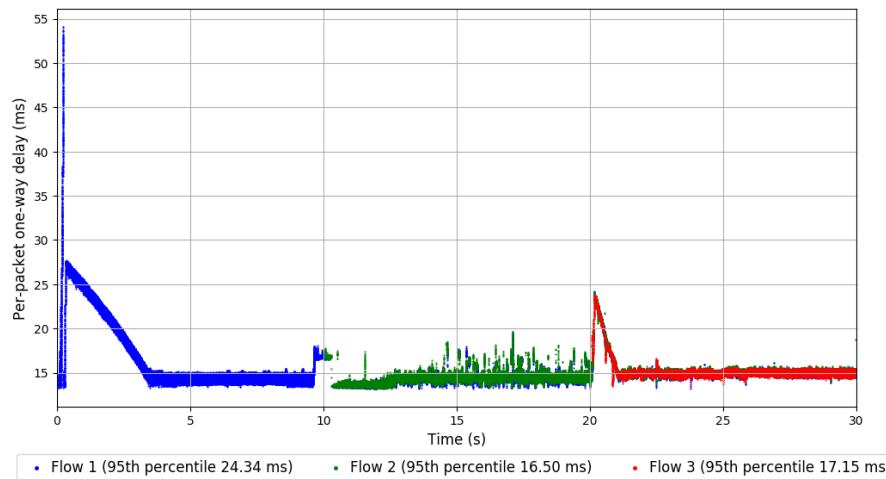
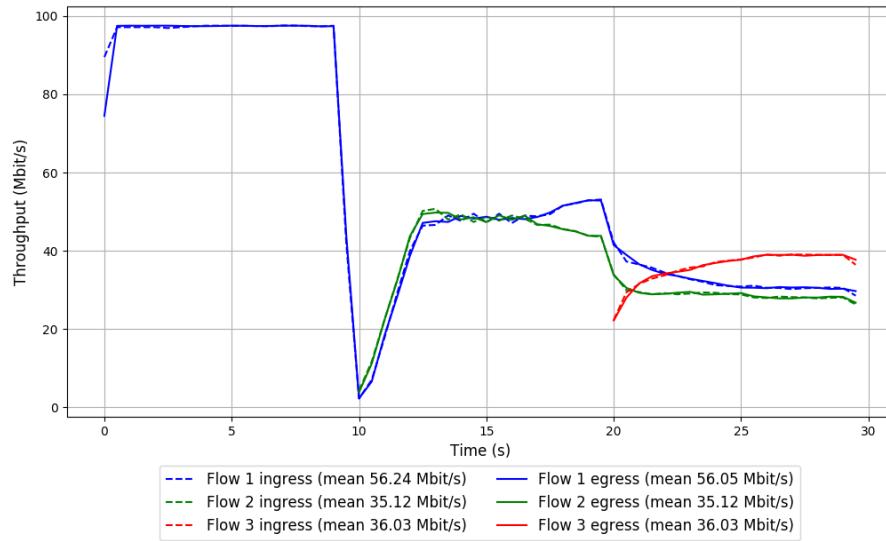


Run 1: Statistics of TCP Vegas

```
Start at: 2018-02-28 03:42:07
End at: 2018-02-28 03:42:37
Local clock offset: 1.489 ms
Remote clock offset: 1.345 ms

# Below is generated by plot.py at 2018-02-28 07:52:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 22.810 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.05 Mbit/s
95th percentile per-packet one-way delay: 24.337 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 35.12 Mbit/s
95th percentile per-packet one-way delay: 16.499 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 17.148 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

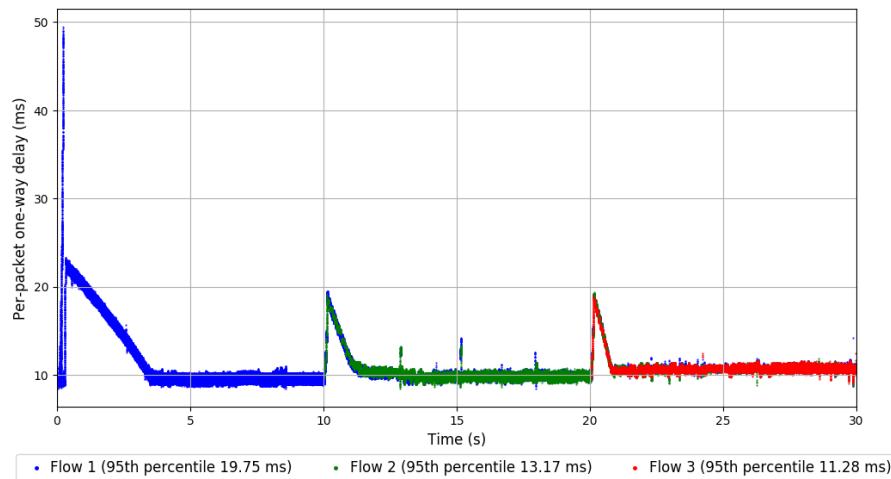
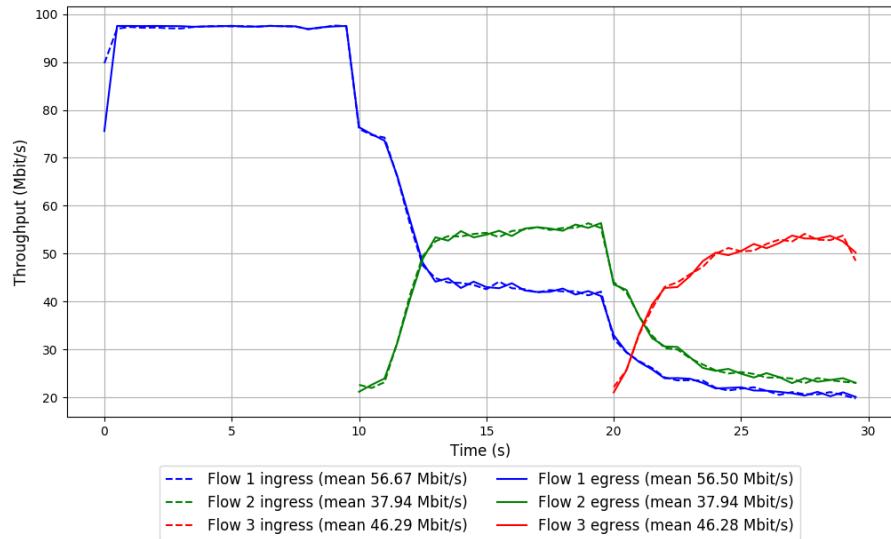


Run 2: Statistics of TCP Vegas

```
Start at: 2018-02-28 04:03:38
End at: 2018-02-28 04:04:08
Local clock offset: 5.737 ms
Remote clock offset: 10.342 ms

# Below is generated by plot.py at 2018-02-28 07:52:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 18.034 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 56.50 Mbit/s
95th percentile per-packet one-way delay: 19.754 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 13.172 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.28 Mbit/s
95th percentile per-packet one-way delay: 11.280 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

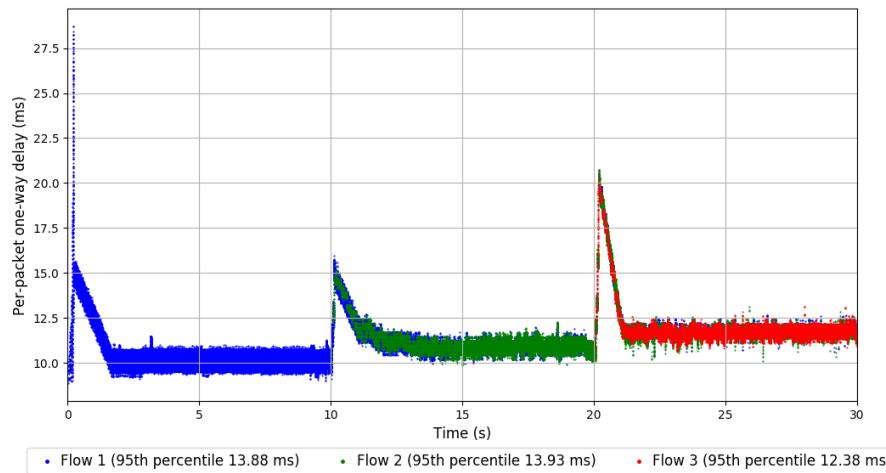
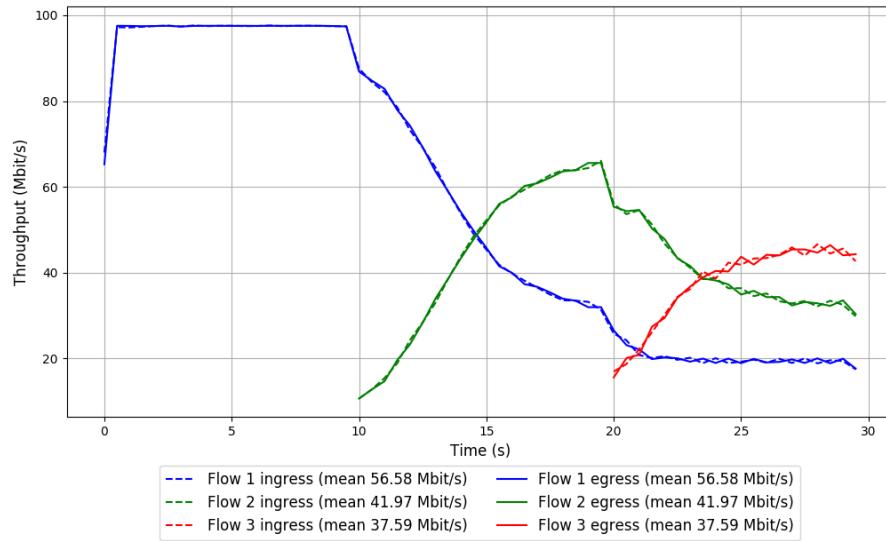


Run 3: Statistics of TCP Vegas

```
Start at: 2018-02-28 04:25:15
End at: 2018-02-28 04:25:45
Local clock offset: 5.783 ms
Remote clock offset: 15.565 ms

# Below is generated by plot.py at 2018-02-28 07:52:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 13.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 13.883 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.97 Mbit/s
95th percentile per-packet one-way delay: 13.930 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.59 Mbit/s
95th percentile per-packet one-way delay: 12.375 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

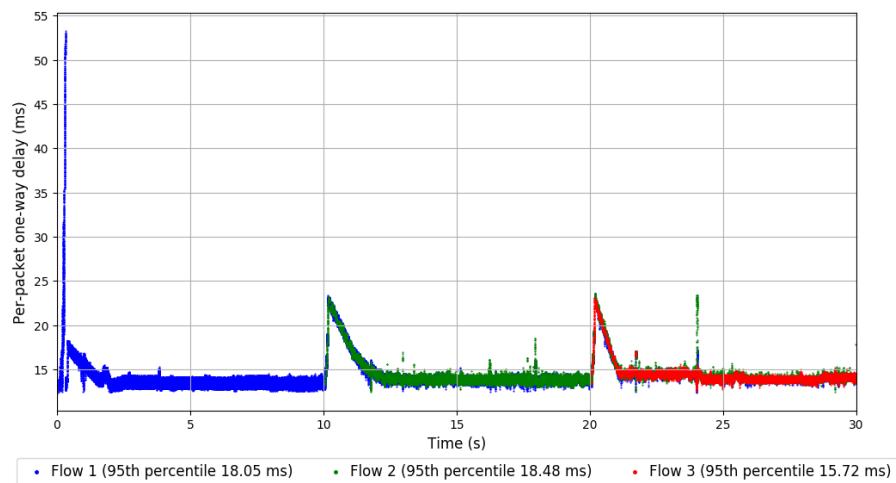
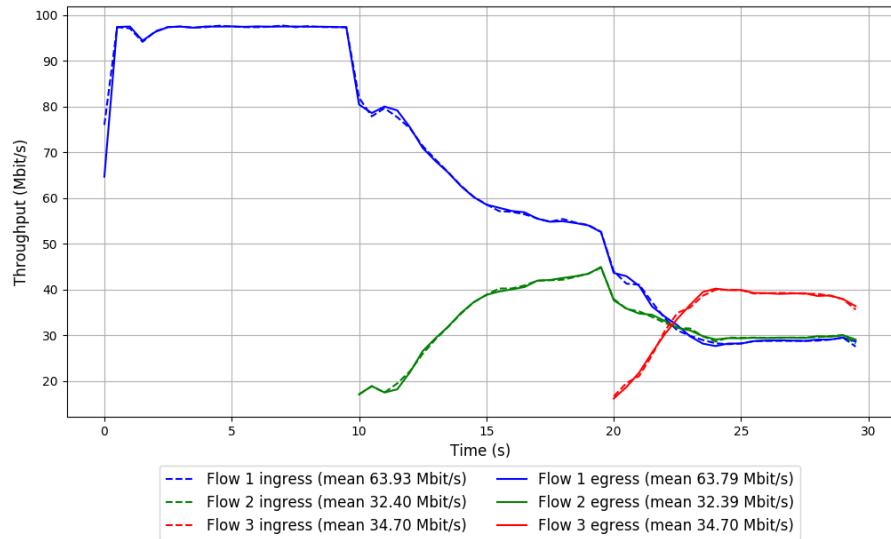


Run 4: Statistics of TCP Vegas

```
Start at: 2018-02-28 04:46:39
End at: 2018-02-28 04:47:09
Local clock offset: 2.346 ms
Remote clock offset: 20.07 ms

# Below is generated by plot.py at 2018-02-28 07:52:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 18.006 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 63.79 Mbit/s
95th percentile per-packet one-way delay: 18.048 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 18.479 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.70 Mbit/s
95th percentile per-packet one-way delay: 15.717 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

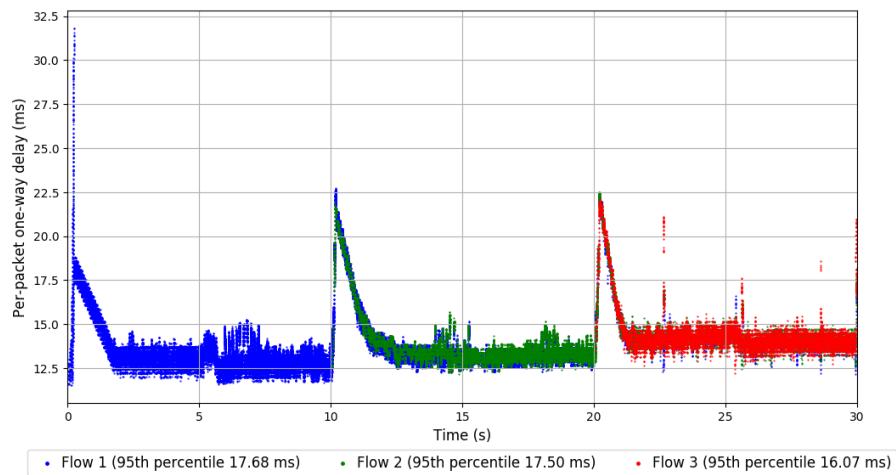
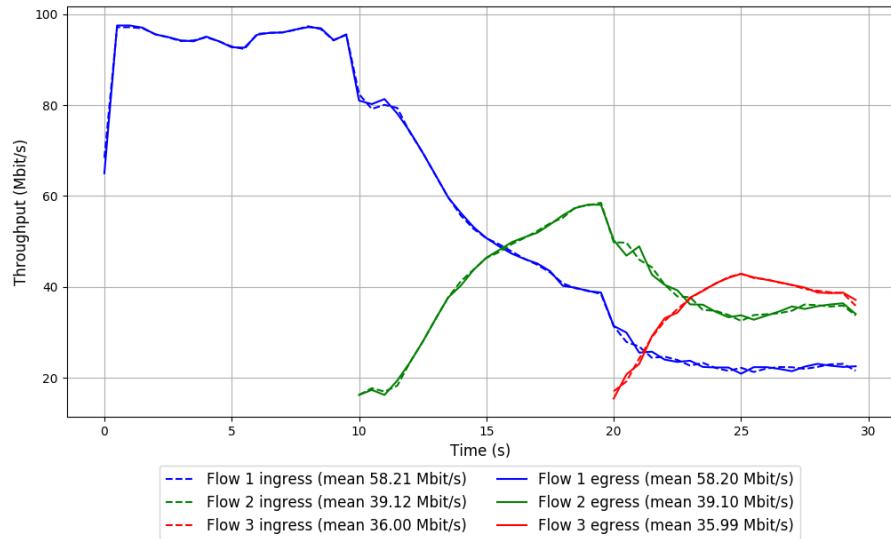


Run 5: Statistics of TCP Vegas

```
Start at: 2018-02-28 05:08:04
End at: 2018-02-28 05:08:34
Local clock offset: 4.367 ms
Remote clock offset: 2.044 ms

# Below is generated by plot.py at 2018-02-28 07:52:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 17.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 17.682 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.10 Mbit/s
95th percentile per-packet one-way delay: 17.505 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 35.99 Mbit/s
95th percentile per-packet one-way delay: 16.073 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

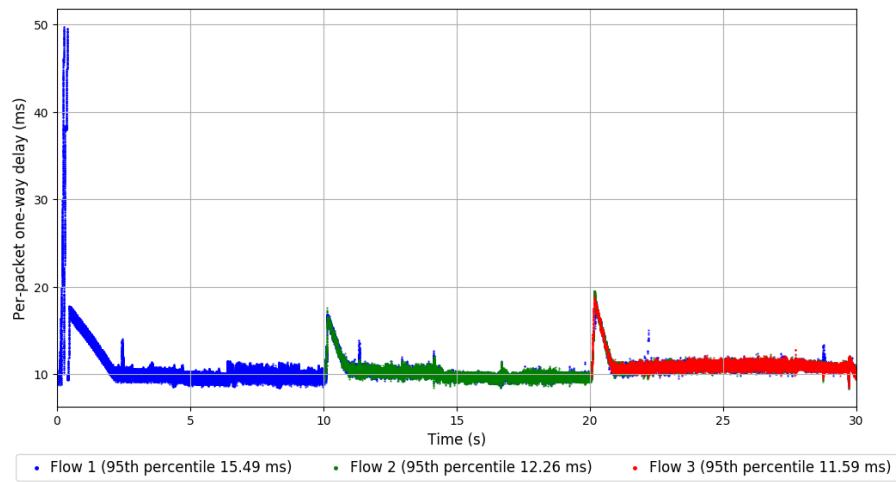
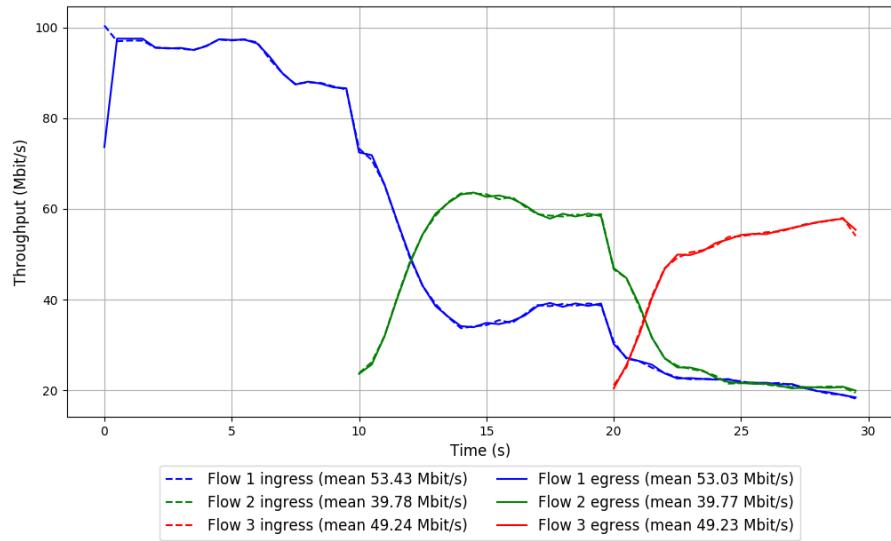


Run 6: Statistics of TCP Vegas

```
Start at: 2018-02-28 05:29:20
End at: 2018-02-28 05:29:50
Local clock offset: 4.208 ms
Remote clock offset: -6.962 ms

# Below is generated by plot.py at 2018-02-28 07:52:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 14.554 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 53.03 Mbit/s
95th percentile per-packet one-way delay: 15.495 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 12.263 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.23 Mbit/s
95th percentile per-packet one-way delay: 11.592 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

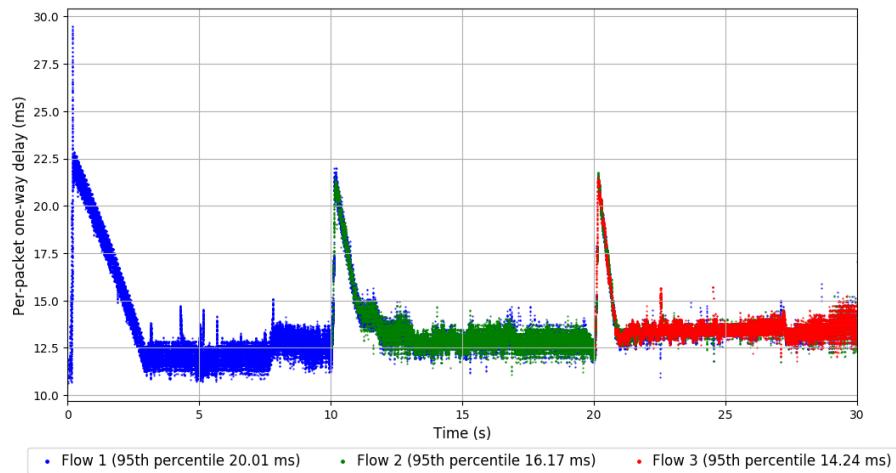
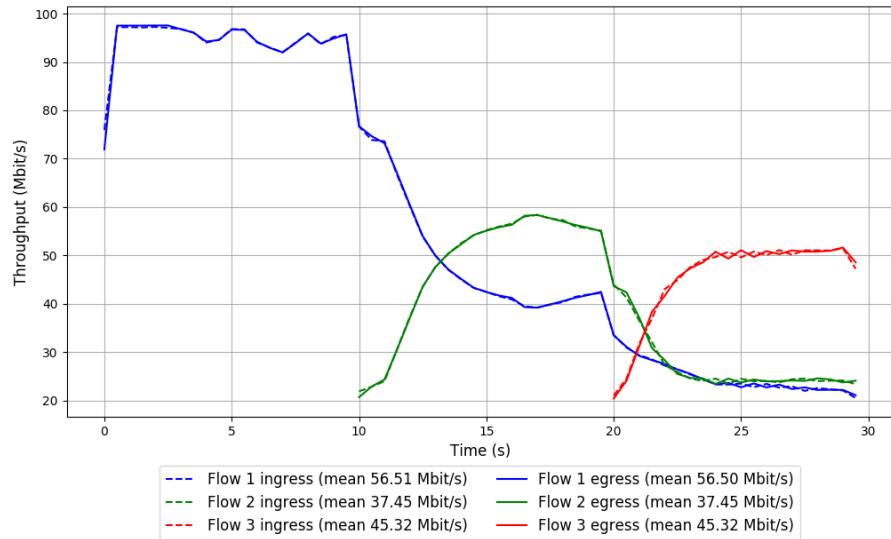


Run 7: Statistics of TCP Vegas

```
Start at: 2018-02-28 05:50:49
End at: 2018-02-28 05:51:19
Local clock offset: 1.774 ms
Remote clock offset: -4.534 ms

# Below is generated by plot.py at 2018-02-28 07:53:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 19.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.50 Mbit/s
95th percentile per-packet one-way delay: 20.014 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.45 Mbit/s
95th percentile per-packet one-way delay: 16.166 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.32 Mbit/s
95th percentile per-packet one-way delay: 14.241 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link

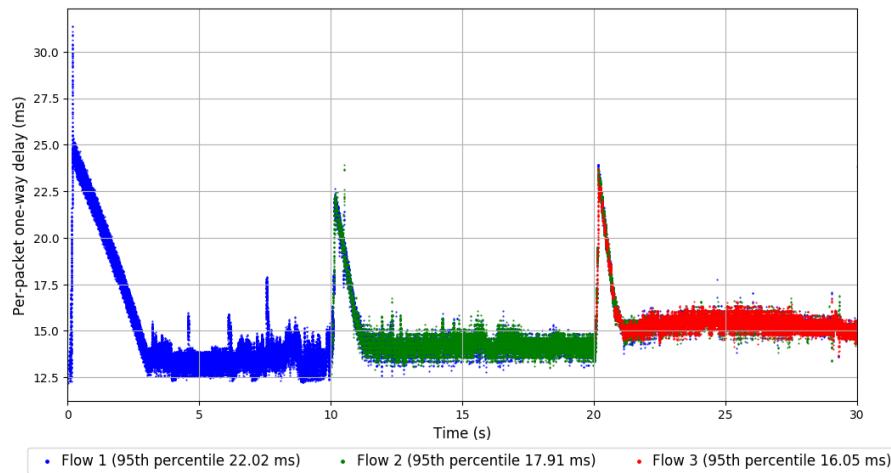
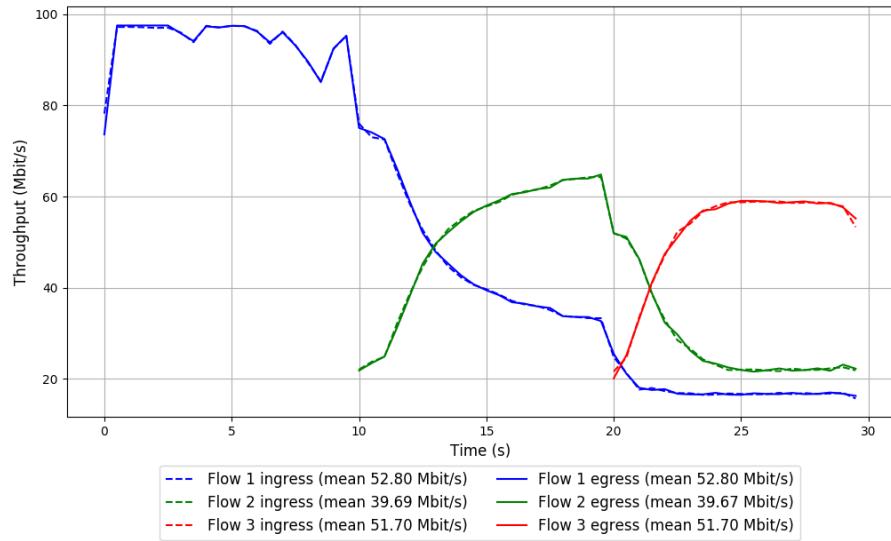


Run 8: Statistics of TCP Vegas

```
Start at: 2018-02-28 06:12:05
End at: 2018-02-28 06:12:35
Local clock offset: 0.989 ms
Remote clock offset: -5.084 ms

# Below is generated by plot.py at 2018-02-28 07:53:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 20.874 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.80 Mbit/s
95th percentile per-packet one-way delay: 22.023 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 17.913 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.70 Mbit/s
95th percentile per-packet one-way delay: 16.047 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

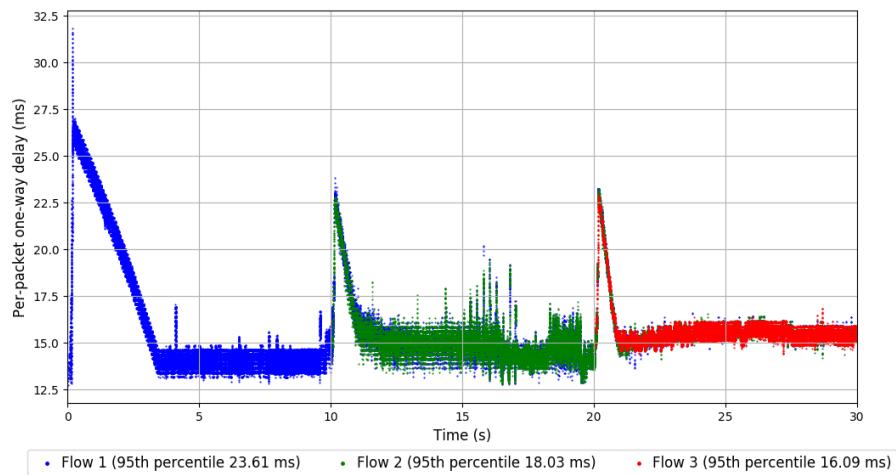
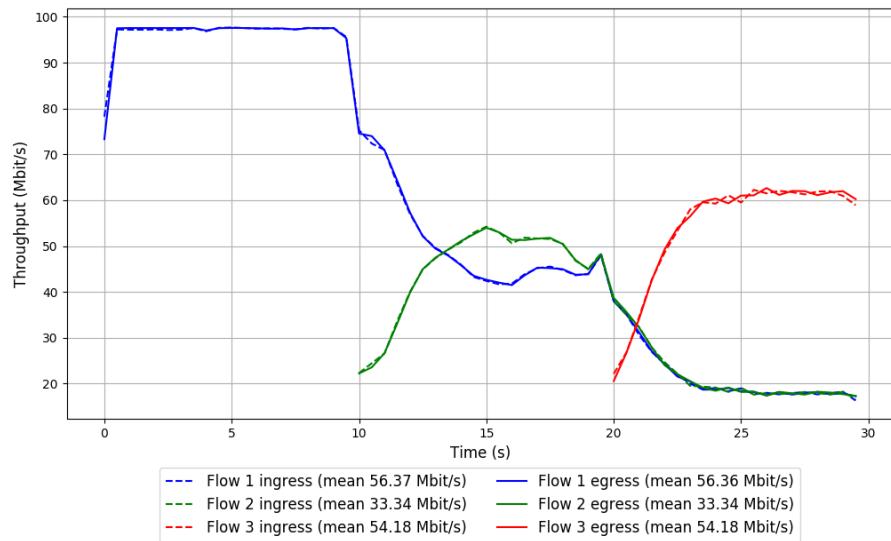


Run 9: Statistics of TCP Vegas

```
Start at: 2018-02-28 06:33:23
End at: 2018-02-28 06:33:53
Local clock offset: 2.007 ms
Remote clock offset: -6.035 ms

# Below is generated by plot.py at 2018-02-28 07:53:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 21.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.36 Mbit/s
95th percentile per-packet one-way delay: 23.612 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.34 Mbit/s
95th percentile per-packet one-way delay: 18.032 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.18 Mbit/s
95th percentile per-packet one-way delay: 16.088 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

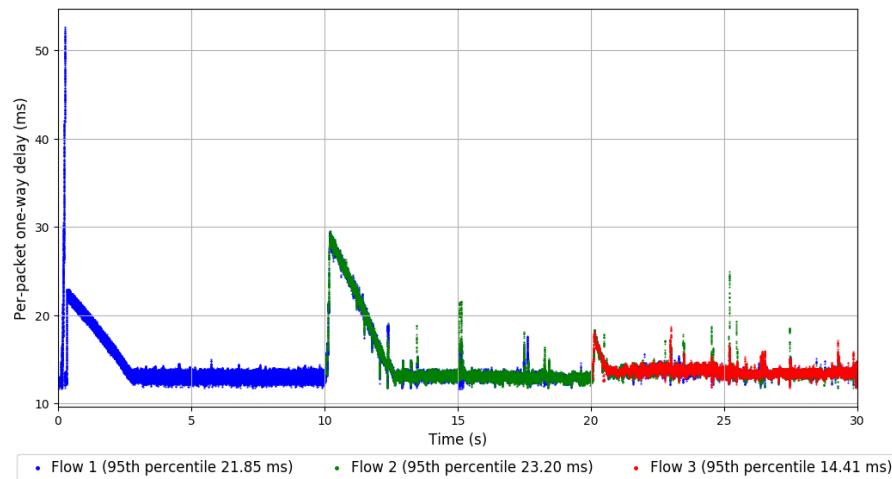
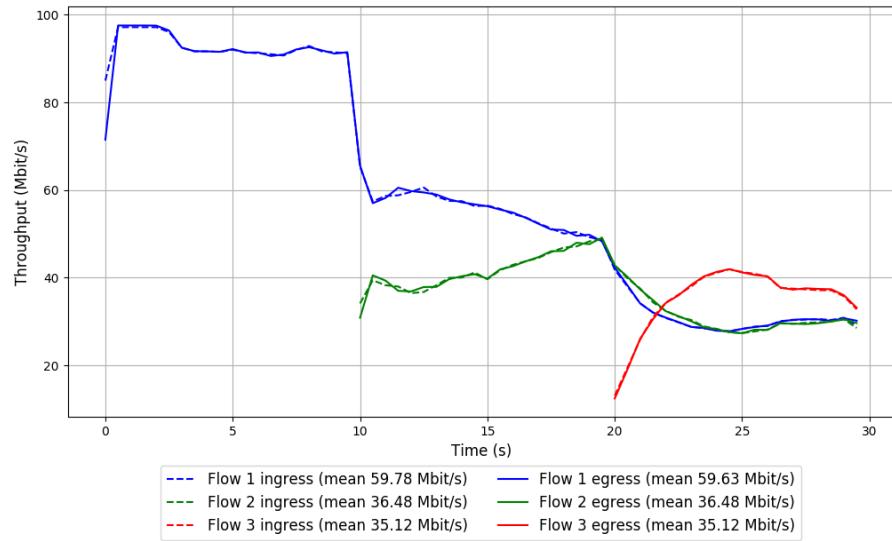


Run 10: Statistics of TCP Vegas

```
Start at: 2018-02-28 06:54:40
End at: 2018-02-28 06:55:10
Local clock offset: 1.339 ms
Remote clock offset: -4.785 ms

# Below is generated by plot.py at 2018-02-28 07:53:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 21.611 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 59.63 Mbit/s
95th percentile per-packet one-way delay: 21.853 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 36.48 Mbit/s
95th percentile per-packet one-way delay: 23.205 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.12 Mbit/s
95th percentile per-packet one-way delay: 14.415 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

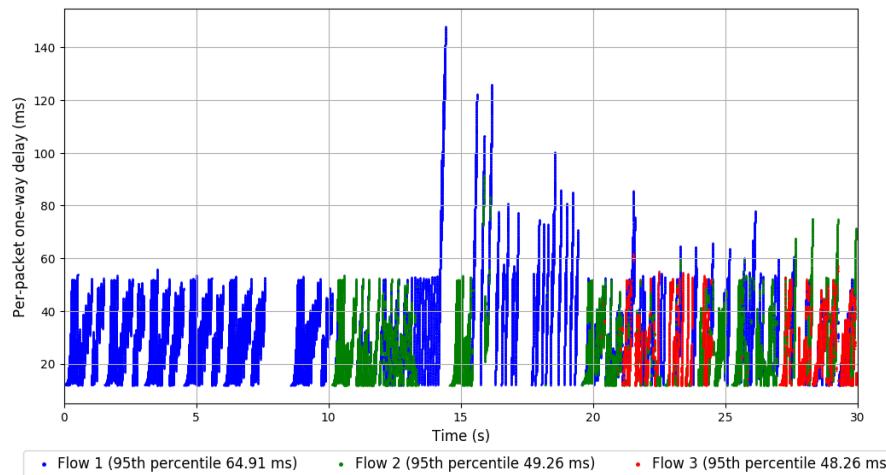
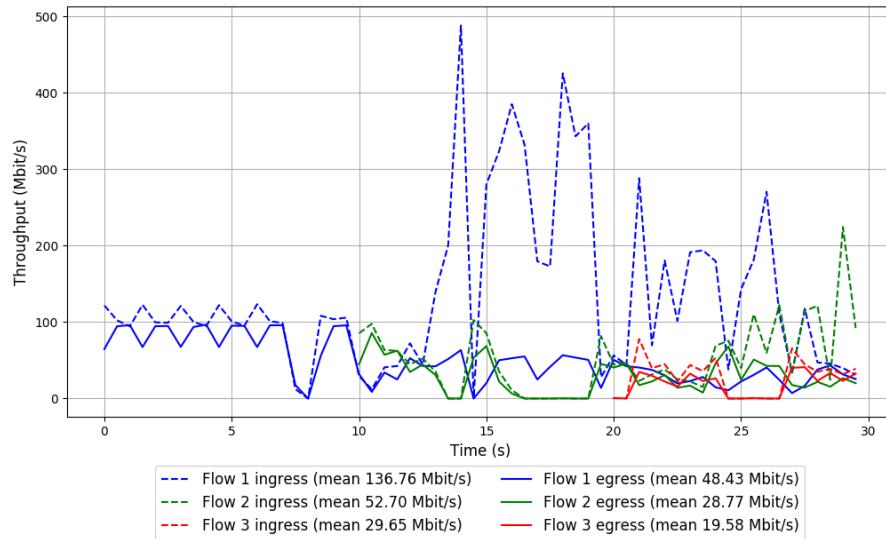


Run 1: Statistics of Verus

```
Start at: 2018-02-28 03:38:27
End at: 2018-02-28 03:38:57
Local clock offset: 2.056 ms
Remote clock offset: 0.446 ms

# Below is generated by plot.py at 2018-02-28 07:53:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.84 Mbit/s
95th percentile per-packet one-way delay: 56.845 ms
Loss rate: 59.26%
-- Flow 1:
Average throughput: 48.43 Mbit/s
95th percentile per-packet one-way delay: 64.910 ms
Loss rate: 64.59%
-- Flow 2:
Average throughput: 28.77 Mbit/s
95th percentile per-packet one-way delay: 49.263 ms
Loss rate: 45.32%
-- Flow 3:
Average throughput: 19.58 Mbit/s
95th percentile per-packet one-way delay: 48.260 ms
Loss rate: 34.09%
```

Run 1: Report of Verus — Data Link

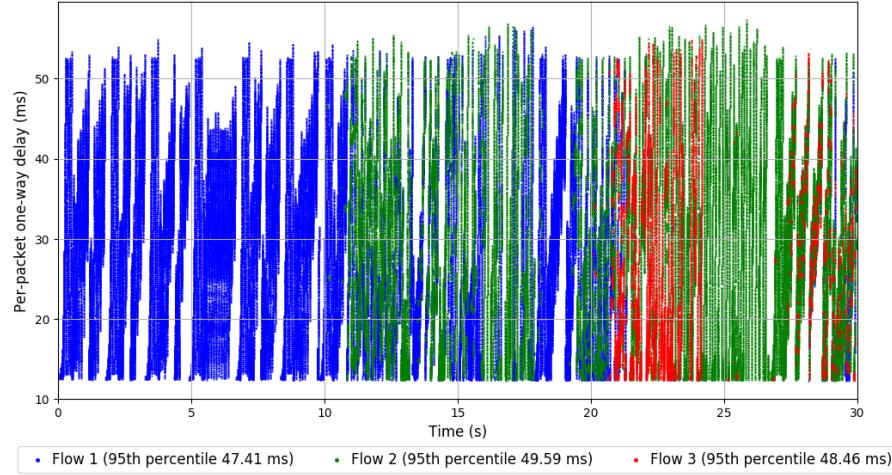
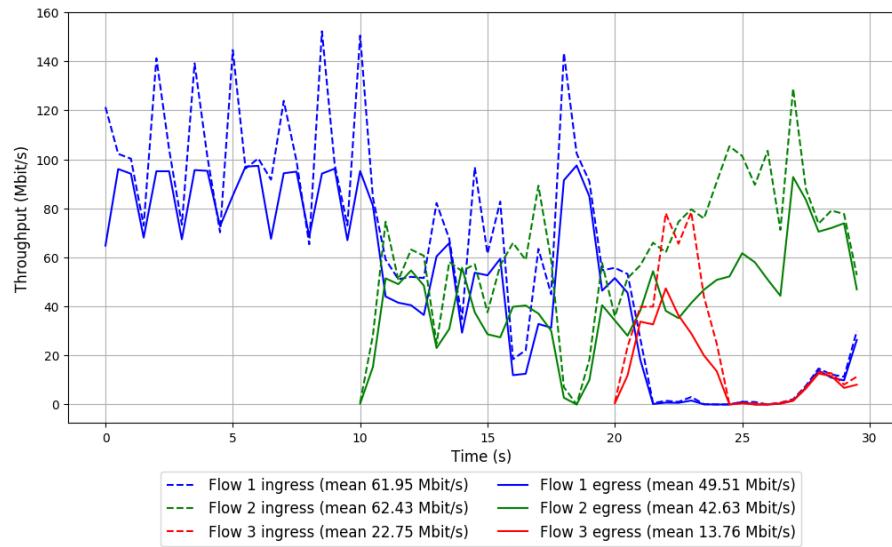


Run 2: Statistics of Verus

```
Start at: 2018-02-28 04:00:00
End at: 2018-02-28 04:00:30
Local clock offset: 1.865 ms
Remote clock offset: 9.461 ms

# Below is generated by plot.py at 2018-02-28 07:53:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.40 Mbit/s
95th percentile per-packet one-way delay: 48.280 ms
Loss rate: 25.74%
-- Flow 1:
Average throughput: 49.51 Mbit/s
95th percentile per-packet one-way delay: 47.413 ms
Loss rate: 20.03%
-- Flow 2:
Average throughput: 42.63 Mbit/s
95th percentile per-packet one-way delay: 49.587 ms
Loss rate: 31.76%
-- Flow 3:
Average throughput: 13.76 Mbit/s
95th percentile per-packet one-way delay: 48.459 ms
Loss rate: 39.52%
```

Run 2: Report of Verus — Data Link

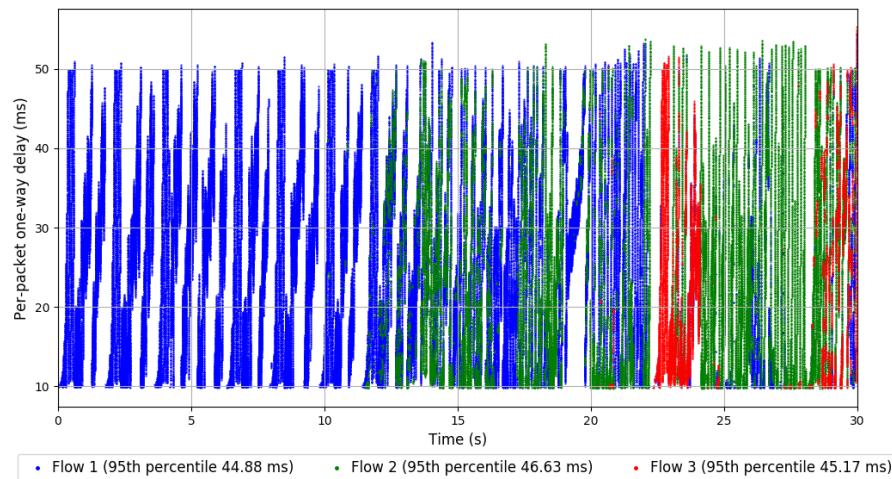
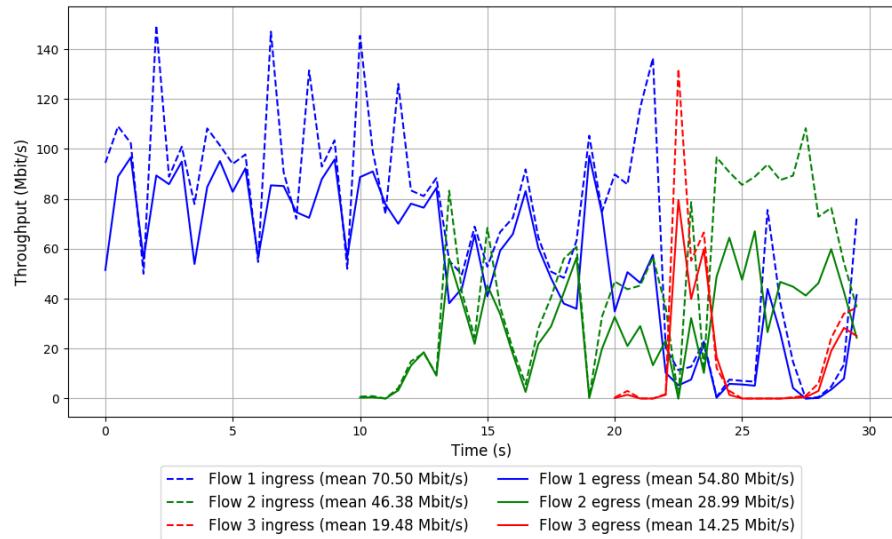


Run 3: Statistics of Verus

```
Start at: 2018-02-28 04:21:30
End at: 2018-02-28 04:22:00
Local clock offset: 5.777 ms
Remote clock offset: 15.853 ms

# Below is generated by plot.py at 2018-02-28 07:54:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.68 Mbit/s
95th percentile per-packet one-way delay: 45.359 ms
Loss rate: 26.84%
-- Flow 1:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 44.880 ms
Loss rate: 22.17%
-- Flow 2:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: 46.627 ms
Loss rate: 37.56%
-- Flow 3:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: 45.166 ms
Loss rate: 26.53%
```

Run 3: Report of Verus — Data Link

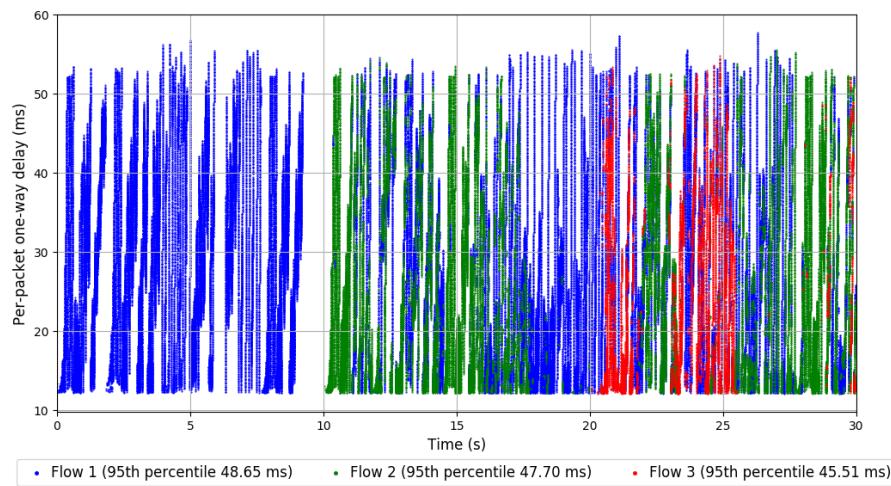
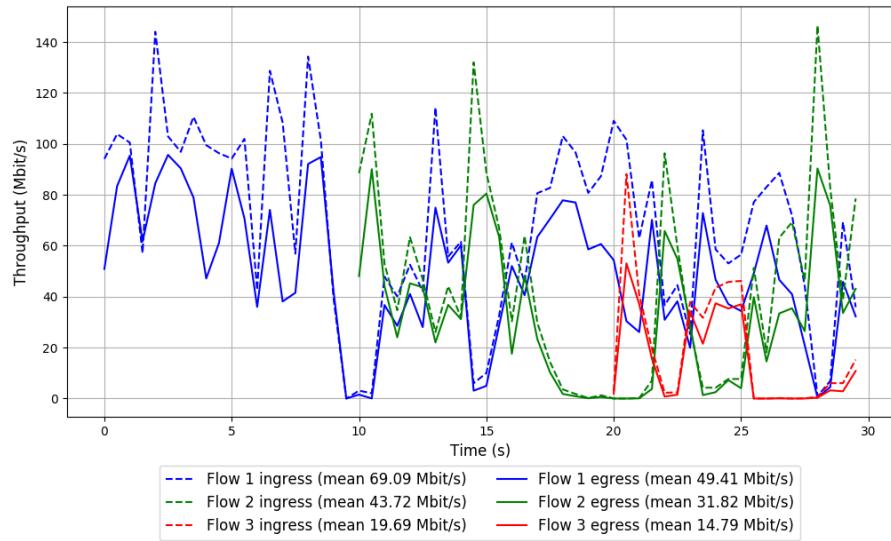


Run 4: Statistics of Verus

```
Start at: 2018-02-28 04:42:59
End at: 2018-02-28 04:43:29
Local clock offset: 2.339 ms
Remote clock offset: 18.947 ms

# Below is generated by plot.py at 2018-02-28 07:54:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.49 Mbit/s
95th percentile per-packet one-way delay: 48.232 ms
Loss rate: 27.87%
-- Flow 1:
Average throughput: 49.41 Mbit/s
95th percentile per-packet one-way delay: 48.648 ms
Loss rate: 28.45%
-- Flow 2:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 47.704 ms
Loss rate: 27.18%
-- Flow 3:
Average throughput: 14.79 Mbit/s
95th percentile per-packet one-way delay: 45.507 ms
Loss rate: 24.87%
```

Run 4: Report of Verus — Data Link

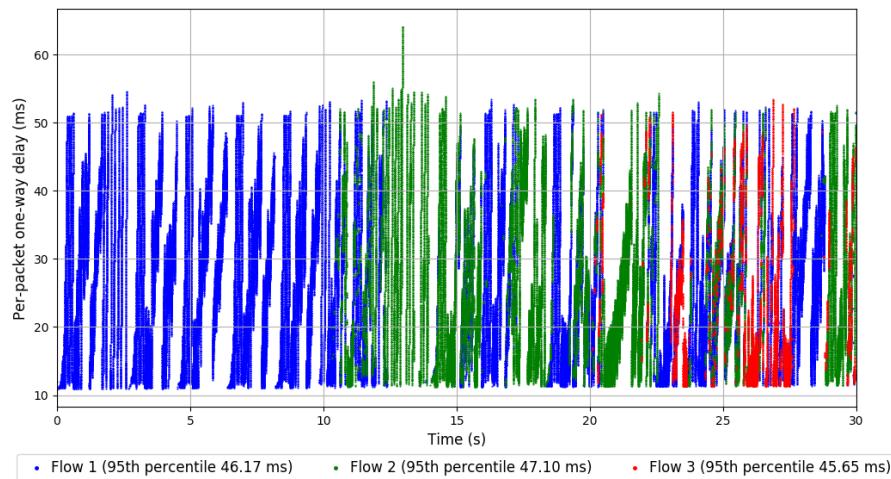
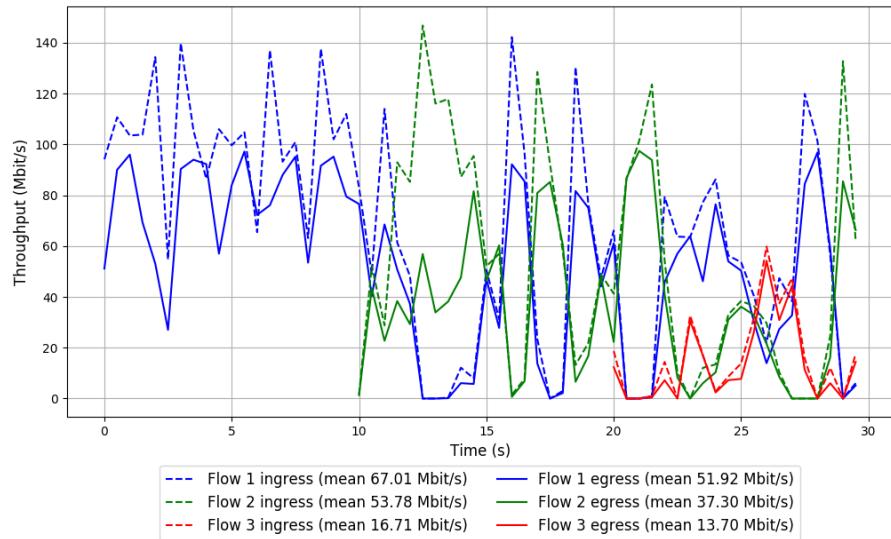


Run 5: Statistics of Verus

```
Start at: 2018-02-28 05:04:23
End at: 2018-02-28 05:04:53
Local clock offset: 3.632 ms
Remote clock offset: 3.962 ms

# Below is generated by plot.py at 2018-02-28 07:54:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.98 Mbit/s
95th percentile per-packet one-way delay: 46.433 ms
Loss rate: 24.83%
-- Flow 1:
Average throughput: 51.92 Mbit/s
95th percentile per-packet one-way delay: 46.169 ms
Loss rate: 22.41%
-- Flow 2:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 47.098 ms
Loss rate: 30.53%
-- Flow 3:
Average throughput: 13.70 Mbit/s
95th percentile per-packet one-way delay: 45.650 ms
Loss rate: 17.77%
```

Run 5: Report of Verus — Data Link

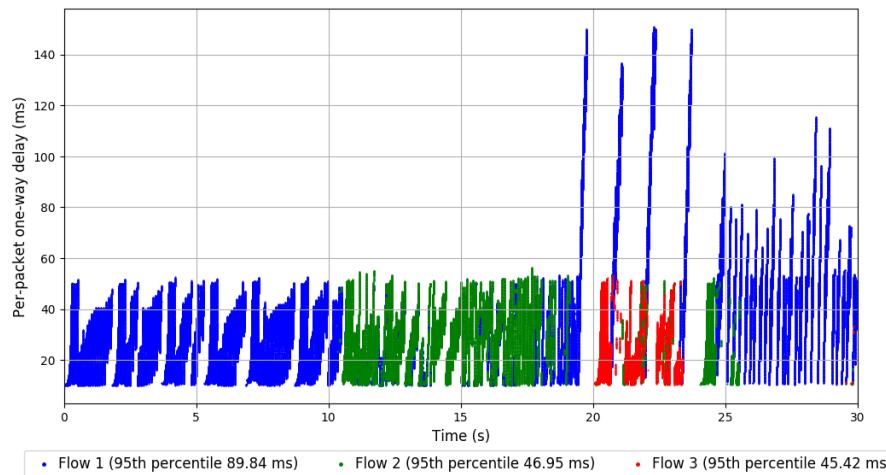
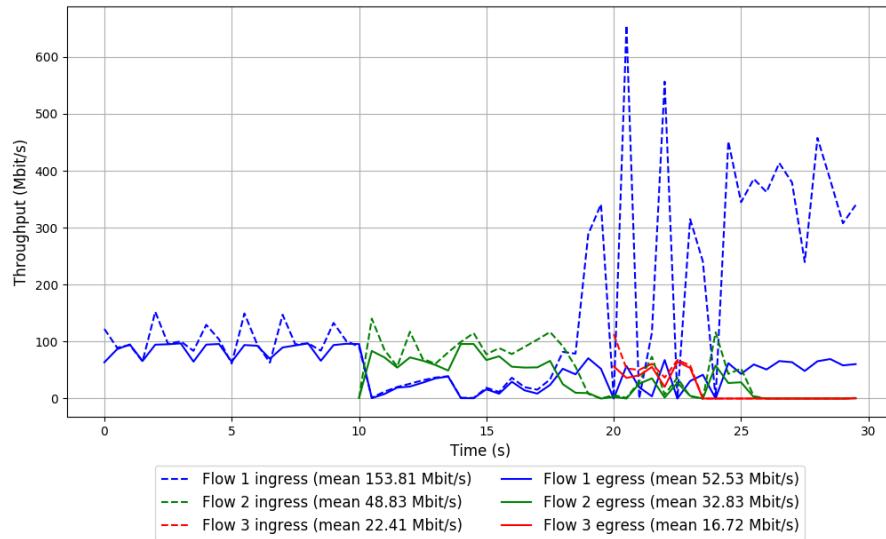


Run 6: Statistics of Verus

```
Start at: 2018-02-28 05:25:42
End at: 2018-02-28 05:26:12
Local clock offset: 1.89 ms
Remote clock offset: -7.821 ms

# Below is generated by plot.py at 2018-02-28 07:54:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 74.120 ms
Loss rate: 58.84%
-- Flow 1:
Average throughput: 52.53 Mbit/s
95th percentile per-packet one-way delay: 89.842 ms
Loss rate: 65.81%
-- Flow 2:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 46.954 ms
Loss rate: 32.94%
-- Flow 3:
Average throughput: 16.72 Mbit/s
95th percentile per-packet one-way delay: 45.422 ms
Loss rate: 25.59%
```

Run 6: Report of Verus — Data Link

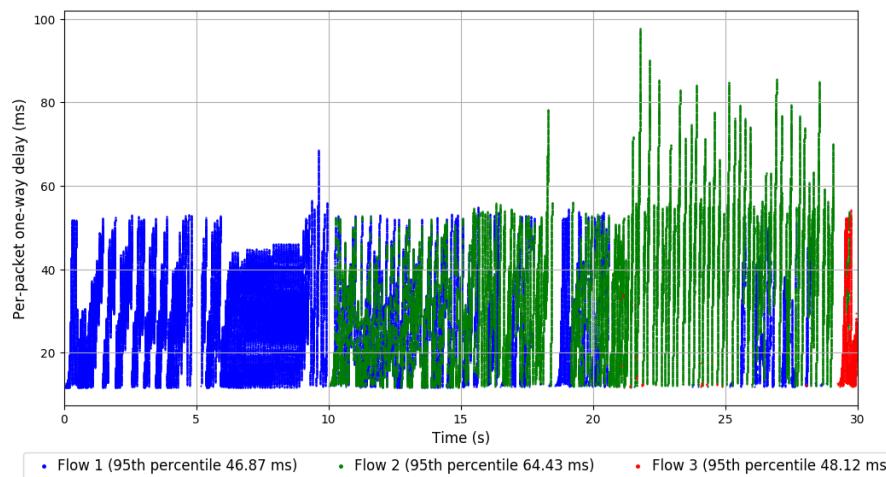
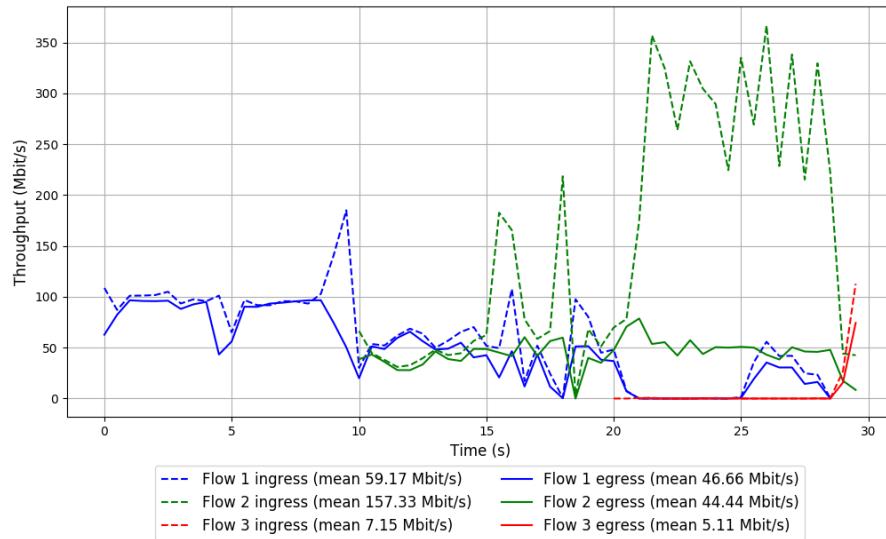


Run 7: Statistics of Verus

```
Start at: 2018-02-28 05:47:11
End at: 2018-02-28 05:47:41
Local clock offset: 1.315 ms
Remote clock offset: -3.43 ms

# Below is generated by plot.py at 2018-02-28 07:55:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.74 Mbit/s
95th percentile per-packet one-way delay: 52.500 ms
Loss rate: 53.62%
-- Flow 1:
Average throughput: 46.66 Mbit/s
95th percentile per-packet one-way delay: 46.872 ms
Loss rate: 21.62%
-- Flow 2:
Average throughput: 44.44 Mbit/s
95th percentile per-packet one-way delay: 64.433 ms
Loss rate: 71.72%
-- Flow 3:
Average throughput: 5.11 Mbit/s
95th percentile per-packet one-way delay: 48.115 ms
Loss rate: 35.78%
```

Run 7: Report of Verus — Data Link

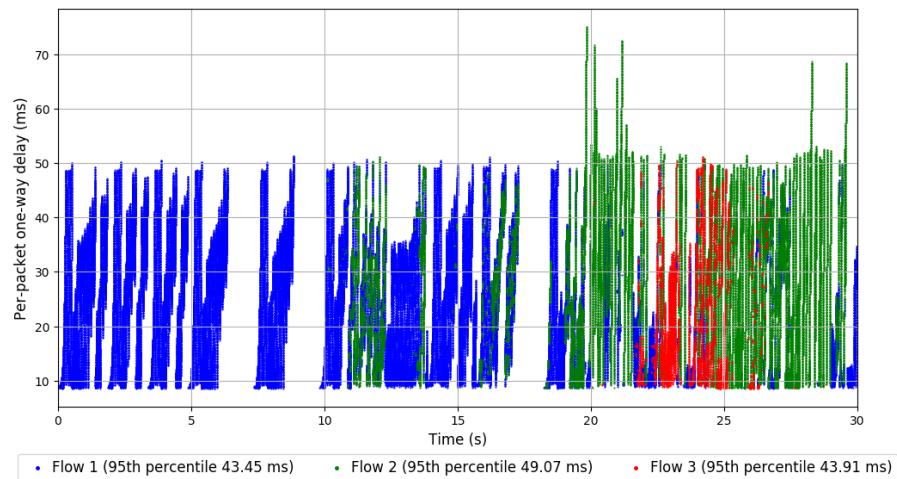
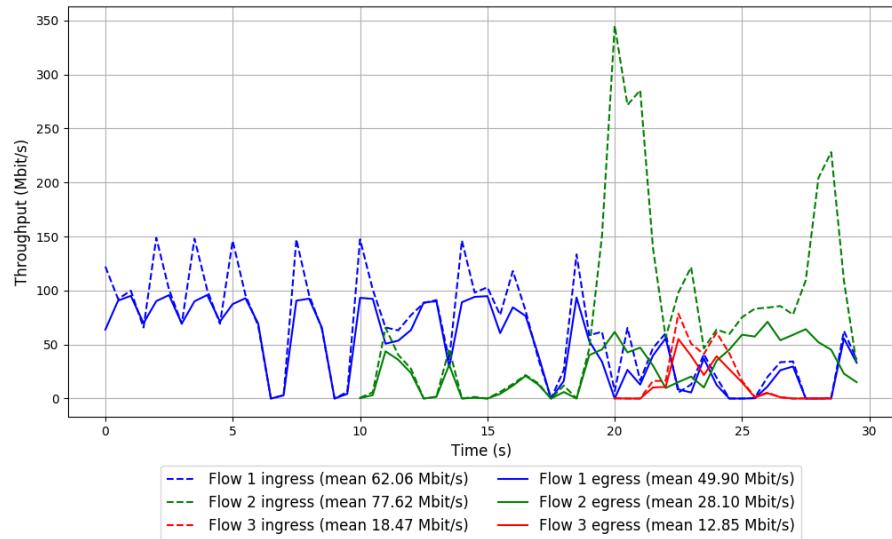


Run 8: Statistics of Verus

```
Start at: 2018-02-28 06:08:27
End at: 2018-02-28 06:08:57
Local clock offset: 4.389 ms
Remote clock offset: -5.276 ms

# Below is generated by plot.py at 2018-02-28 07:55:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.03 Mbit/s
95th percentile per-packet one-way delay: 45.400 ms
Loss rate: 39.01%
-- Flow 1:
Average throughput: 49.90 Mbit/s
95th percentile per-packet one-way delay: 43.453 ms
Loss rate: 19.53%
-- Flow 2:
Average throughput: 28.10 Mbit/s
95th percentile per-packet one-way delay: 49.067 ms
Loss rate: 63.69%
-- Flow 3:
Average throughput: 12.85 Mbit/s
95th percentile per-packet one-way delay: 43.913 ms
Loss rate: 31.78%
```

Run 8: Report of Verus — Data Link

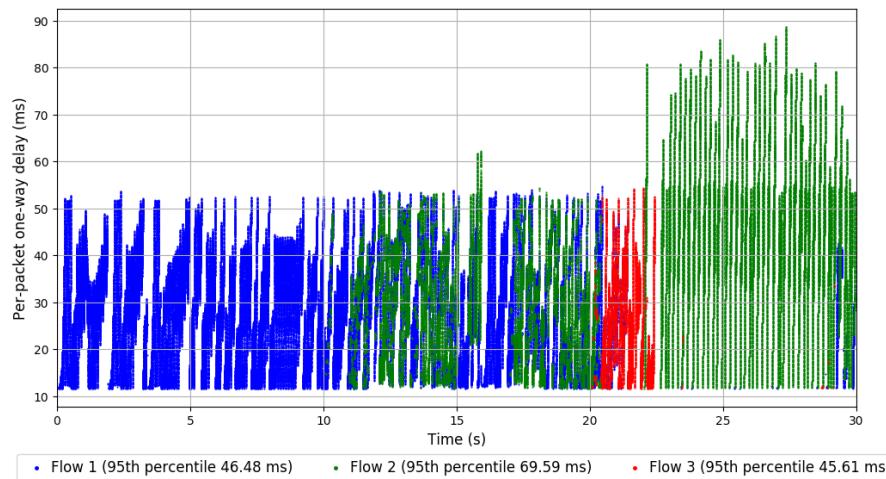
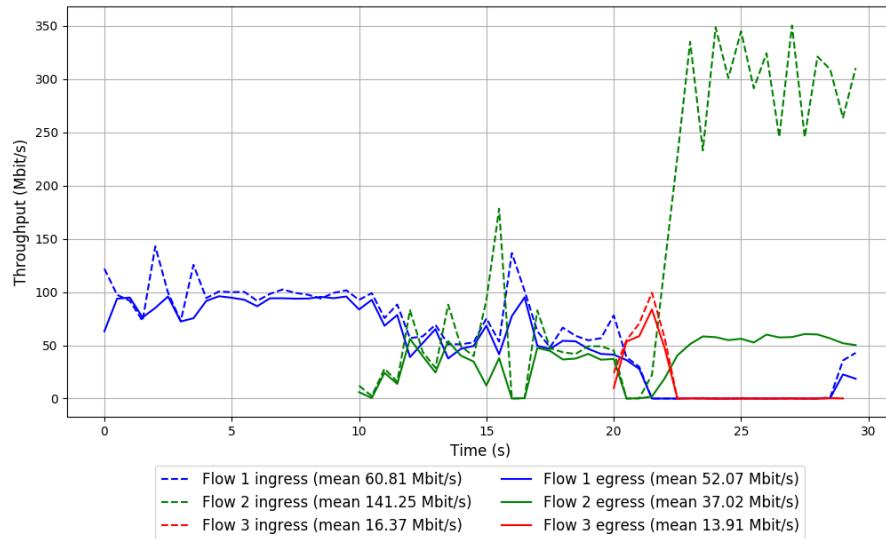


Run 9: Statistics of Verus

```
Start at: 2018-02-28 06:29:39
End at: 2018-02-28 06:30:09
Local clock offset: 0.808 ms
Remote clock offset: -7.819 ms

# Below is generated by plot.py at 2018-02-28 07:55:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.86 Mbit/s
95th percentile per-packet one-way delay: 53.379 ms
Loss rate: 49.39%
-- Flow 1:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 46.483 ms
Loss rate: 14.43%
-- Flow 2:
Average throughput: 37.02 Mbit/s
95th percentile per-packet one-way delay: 69.587 ms
Loss rate: 73.78%
-- Flow 3:
Average throughput: 13.91 Mbit/s
95th percentile per-packet one-way delay: 45.612 ms
Loss rate: 17.33%
```

Run 9: Report of Verus — Data Link

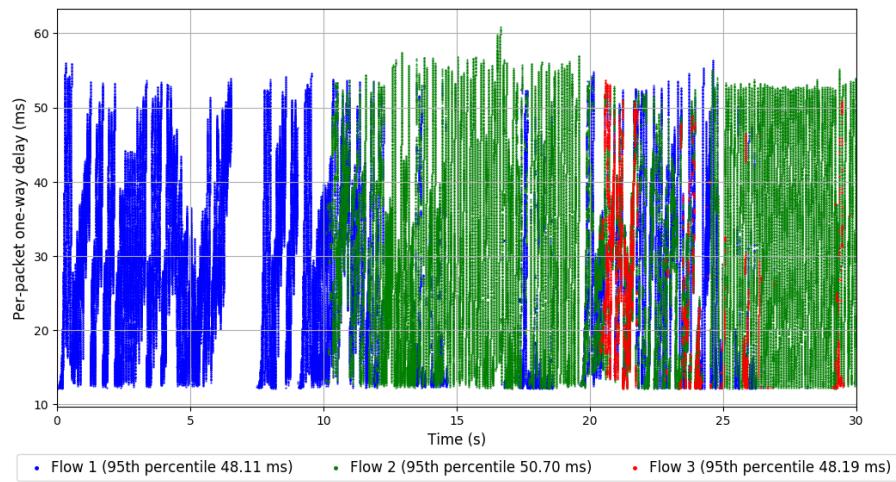
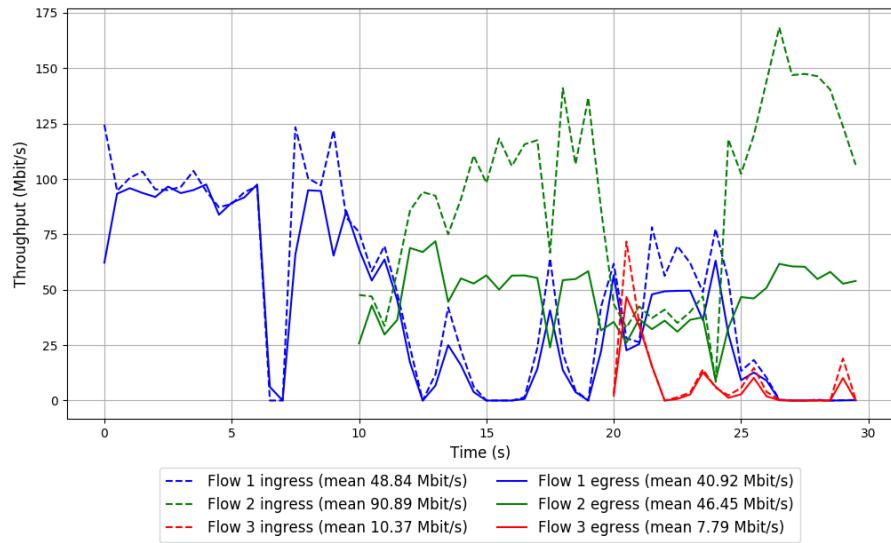


Run 10: Statistics of Verus

```
Start at: 2018-02-28 06:51:04
End at: 2018-02-28 06:51:34
Local clock offset: 1.95 ms
Remote clock offset: -3.601 ms

# Below is generated by plot.py at 2018-02-28 07:55:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.28 Mbit/s
95th percentile per-packet one-way delay: 49.347 ms
Loss rate: 33.95%
-- Flow 1:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 48.106 ms
Loss rate: 16.12%
-- Flow 2:
Average throughput: 46.45 Mbit/s
95th percentile per-packet one-way delay: 50.695 ms
Loss rate: 48.82%
-- Flow 3:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 48.193 ms
Loss rate: 25.22%
```

Run 10: Report of Verus — Data Link

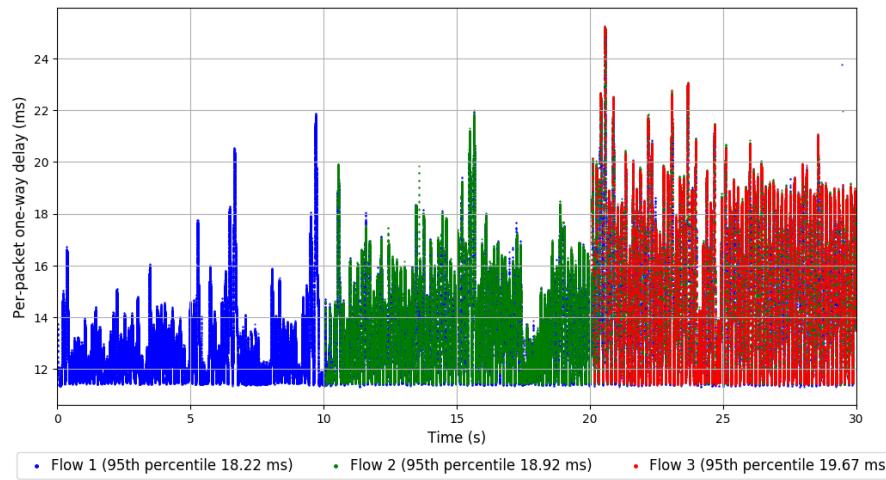
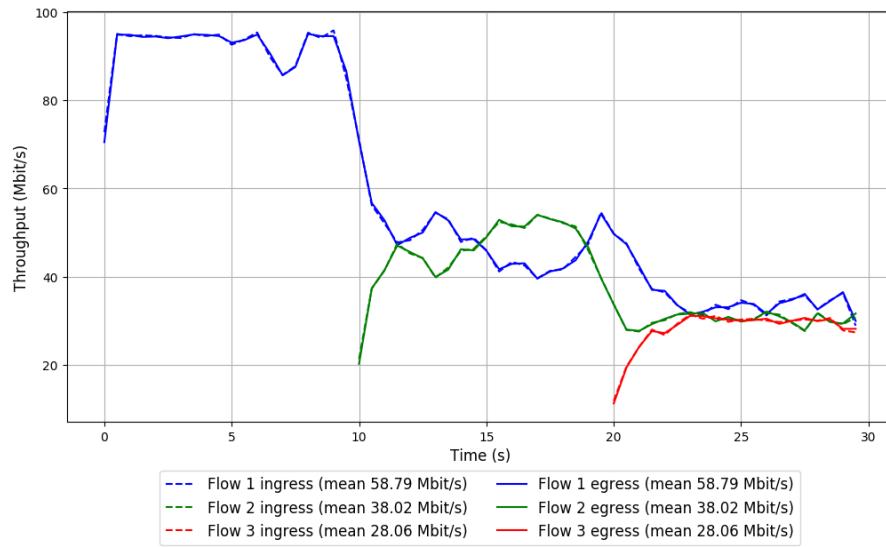


Run 1: Statistics of Copa

```
Start at: 2018-02-28 03:40:52
End at: 2018-02-28 03:41:22
Local clock offset: 3.118 ms
Remote clock offset: 1.027 ms

# Below is generated by plot.py at 2018-02-28 07:56:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 18.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.79 Mbit/s
95th percentile per-packet one-way delay: 18.223 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 18.917 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.06 Mbit/s
95th percentile per-packet one-way delay: 19.667 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link

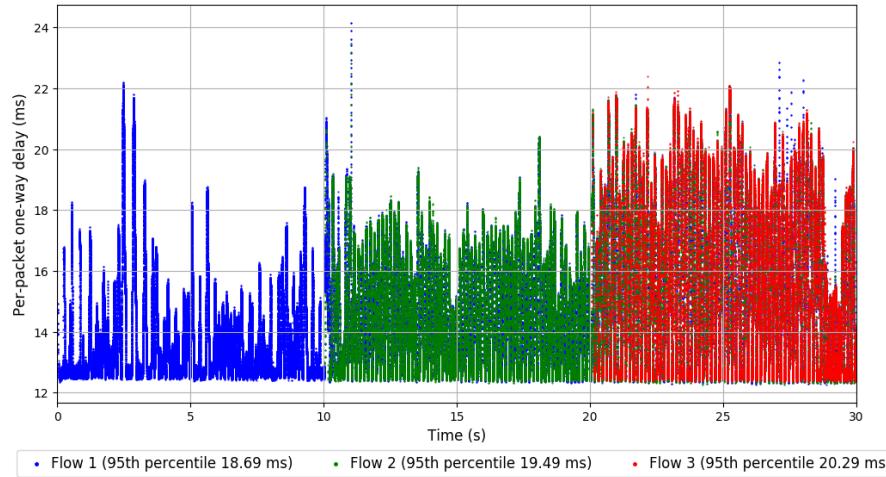
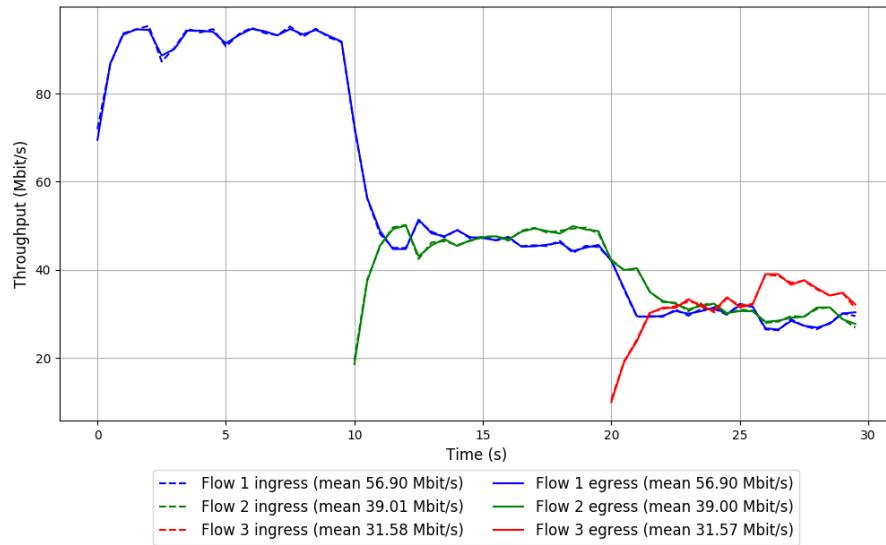


Run 2: Statistics of Copa

```
Start at: 2018-02-28 04:02:25
End at: 2018-02-28 04:02:55
Local clock offset: 2.665 ms
Remote clock offset: 10.846 ms

# Below is generated by plot.py at 2018-02-28 07:56:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 19.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.90 Mbit/s
95th percentile per-packet one-way delay: 18.686 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.00 Mbit/s
95th percentile per-packet one-way delay: 19.493 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 20.285 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

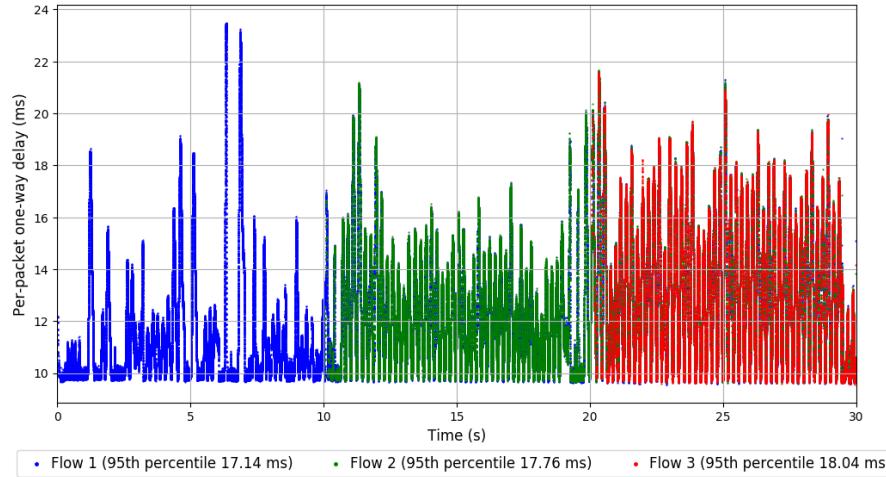
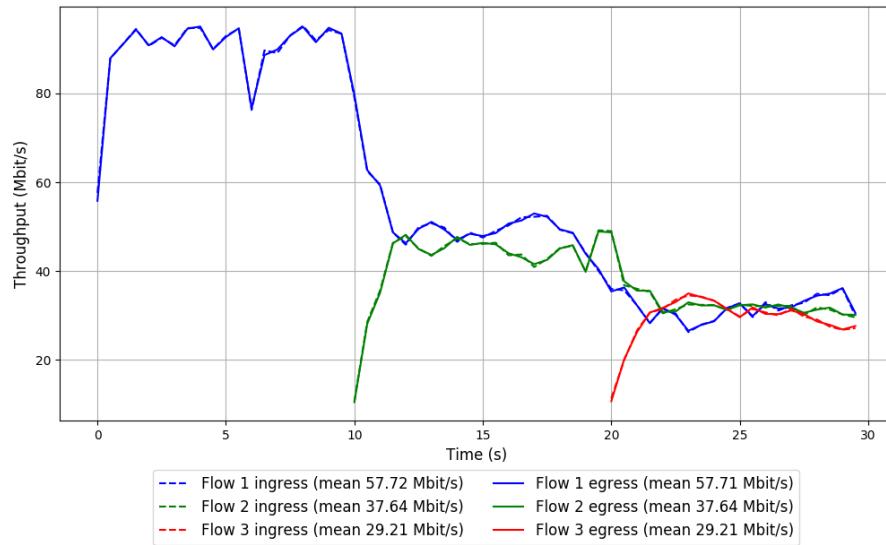


Run 3: Statistics of Copa

```
Start at: 2018-02-28 04:23:54
End at: 2018-02-28 04:24:24
Local clock offset: 6.317 ms
Remote clock offset: 16.615 ms

# Below is generated by plot.py at 2018-02-28 07:56:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 17.520 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.71 Mbit/s
95th percentile per-packet one-way delay: 17.140 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 17.761 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.21 Mbit/s
95th percentile per-packet one-way delay: 18.043 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

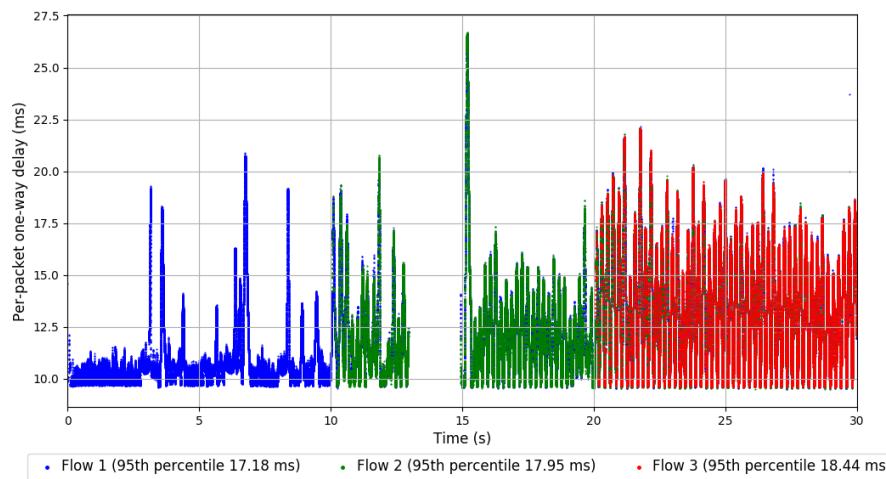
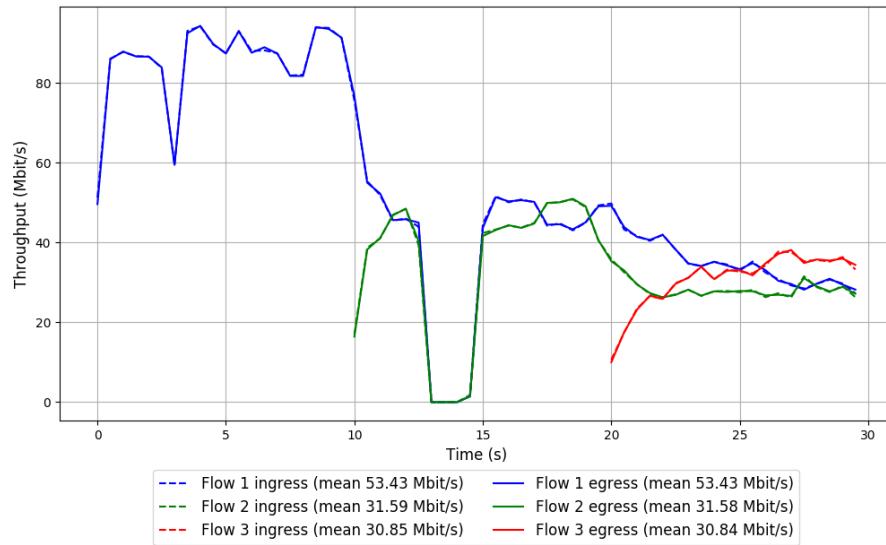


Run 4: Statistics of Copa

```
Start at: 2018-02-28 04:45:24
End at: 2018-02-28 04:45:54
Local clock offset: -2.227 ms
Remote clock offset: 12.332 ms

# Below is generated by plot.py at 2018-02-28 07:57:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.70 Mbit/s
95th percentile per-packet one-way delay: 17.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.43 Mbit/s
95th percentile per-packet one-way delay: 17.176 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 17.951 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.84 Mbit/s
95th percentile per-packet one-way delay: 18.442 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

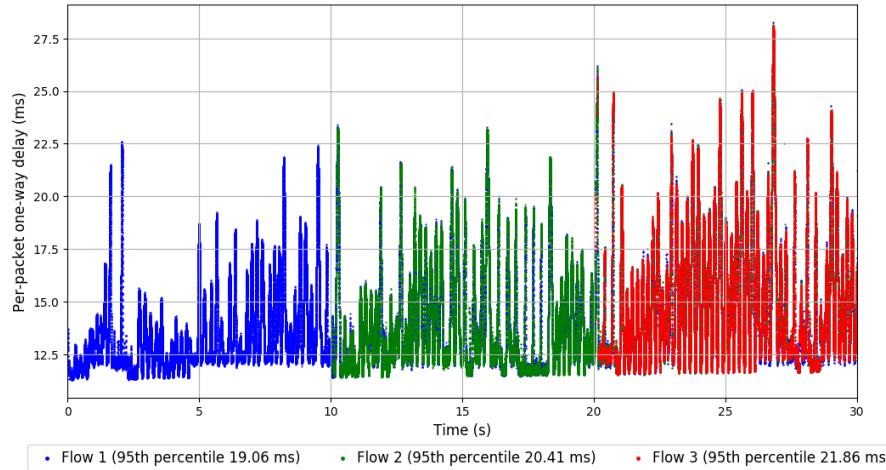
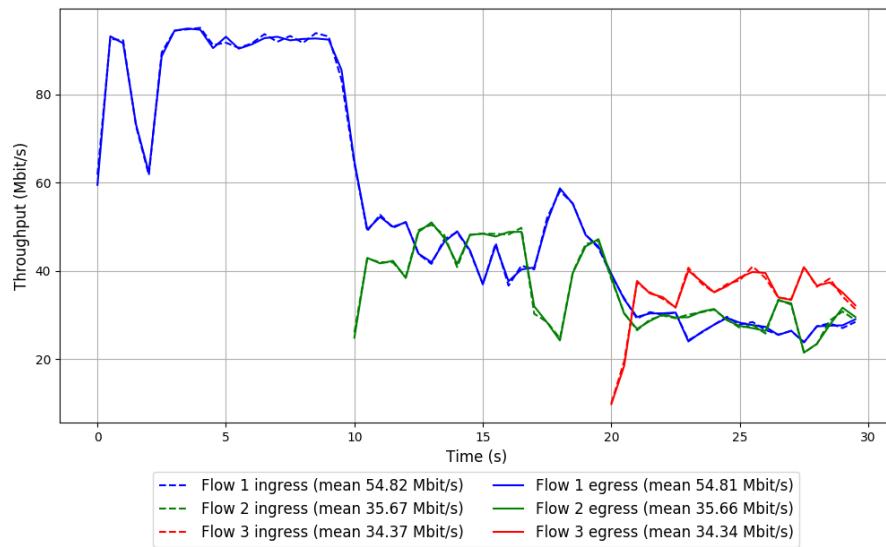


Run 5: Statistics of Copa

```
Start at: 2018-02-28 05:06:49
End at: 2018-02-28 05:07:19
Local clock offset: 3.102 ms
Remote clock offset: 1.457 ms

# Below is generated by plot.py at 2018-02-28 07:57:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 19.975 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.81 Mbit/s
95th percentile per-packet one-way delay: 19.064 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.66 Mbit/s
95th percentile per-packet one-way delay: 20.409 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 21.865 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

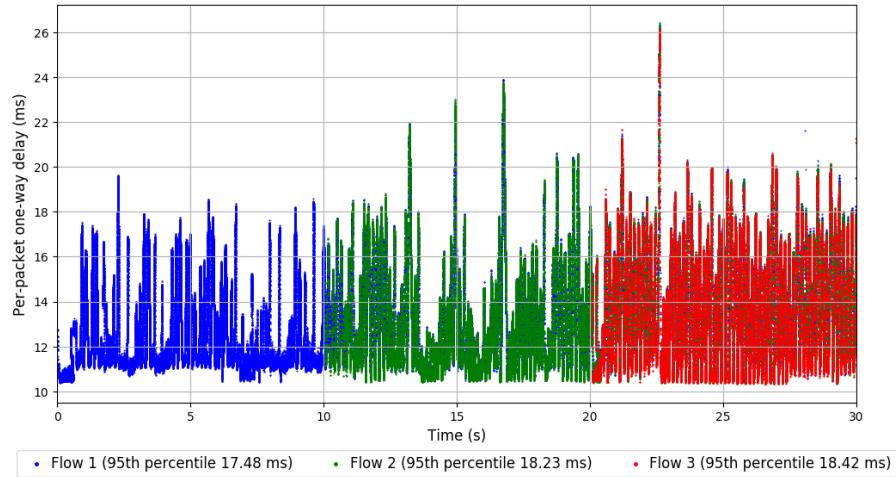
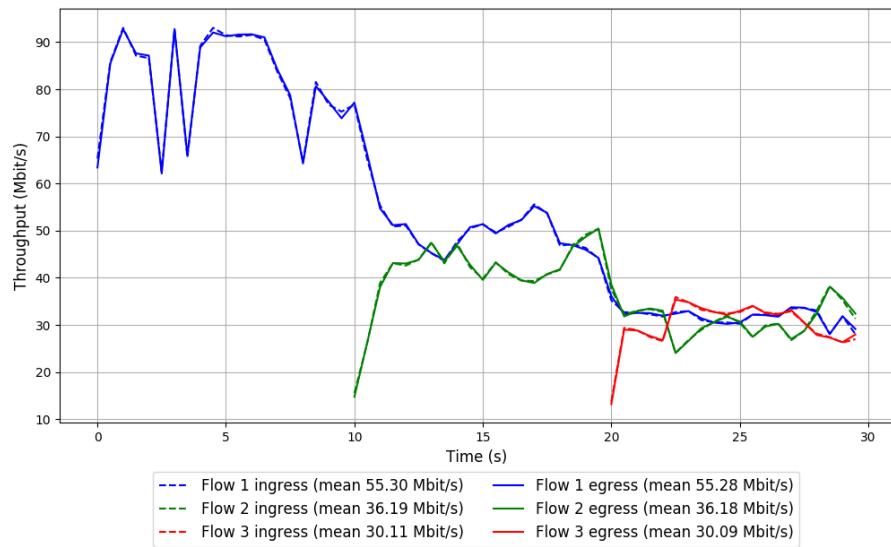


Run 6: Statistics of Copa

```
Start at: 2018-02-28 05:28:07
End at: 2018-02-28 05:28:37
Local clock offset: 1.497 ms
Remote clock offset: -8.403 ms

# Below is generated by plot.py at 2018-02-28 07:57:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.37 Mbit/s
95th percentile per-packet one-way delay: 17.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 17.477 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.18 Mbit/s
95th percentile per-packet one-way delay: 18.235 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 18.420 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

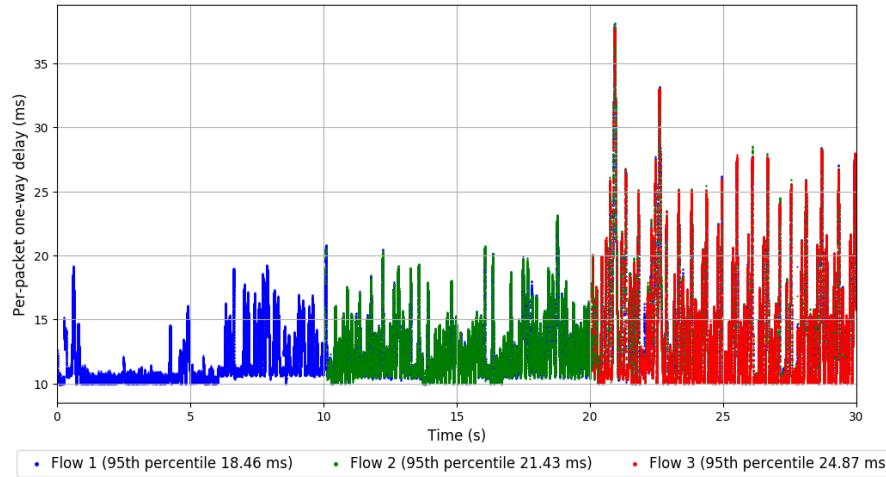
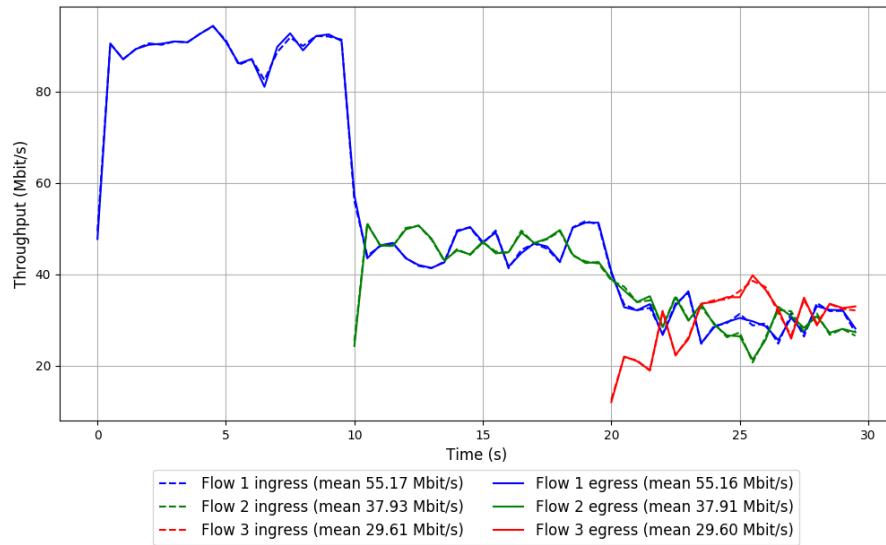


Run 7: Statistics of Copa

```
Start at: 2018-02-28 05:49:36
End at: 2018-02-28 05:50:06
Local clock offset: 2.095 ms
Remote clock offset: -4.76 ms

# Below is generated by plot.py at 2018-02-28 07:57:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.24 Mbit/s
95th percentile per-packet one-way delay: 20.396 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.16 Mbit/s
95th percentile per-packet one-way delay: 18.459 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 21.434 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 24.872 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

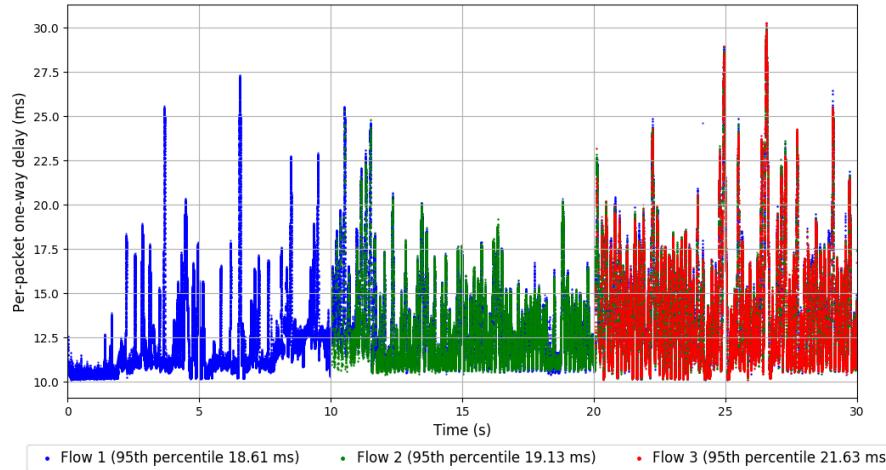
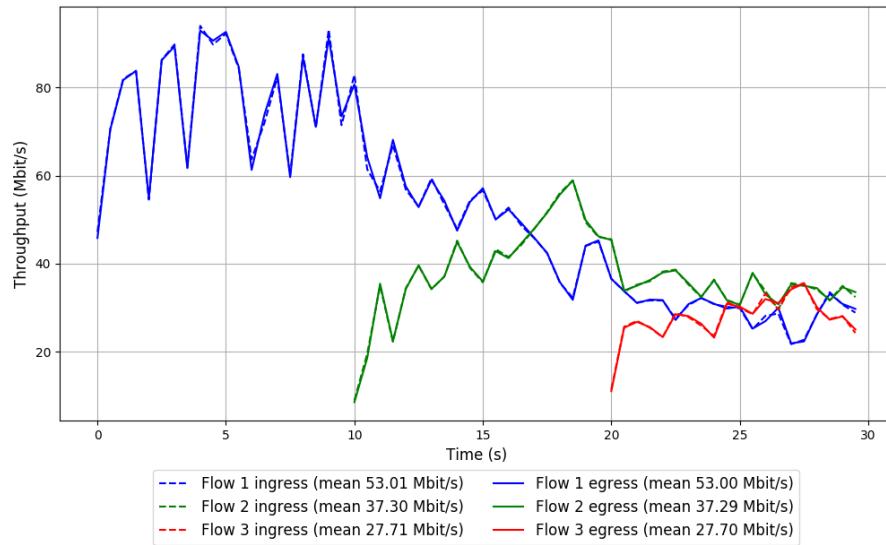


Run 8: Statistics of Copa

```
Start at: 2018-02-28 06:10:49
End at: 2018-02-28 06:11:19
Local clock offset: 3.774 ms
Remote clock offset: -4.416 ms

# Below is generated by plot.py at 2018-02-28 07:57:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.03 Mbit/s
95th percentile per-packet one-way delay: 19.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.00 Mbit/s
95th percentile per-packet one-way delay: 18.608 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: 19.127 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.70 Mbit/s
95th percentile per-packet one-way delay: 21.633 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

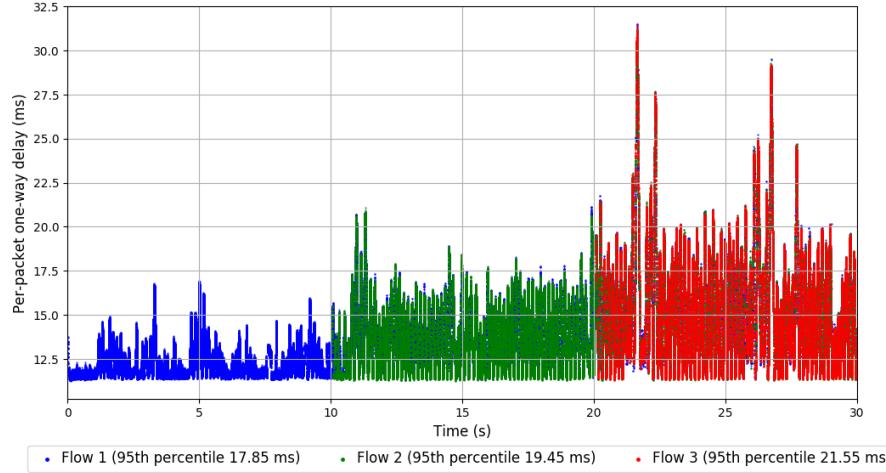
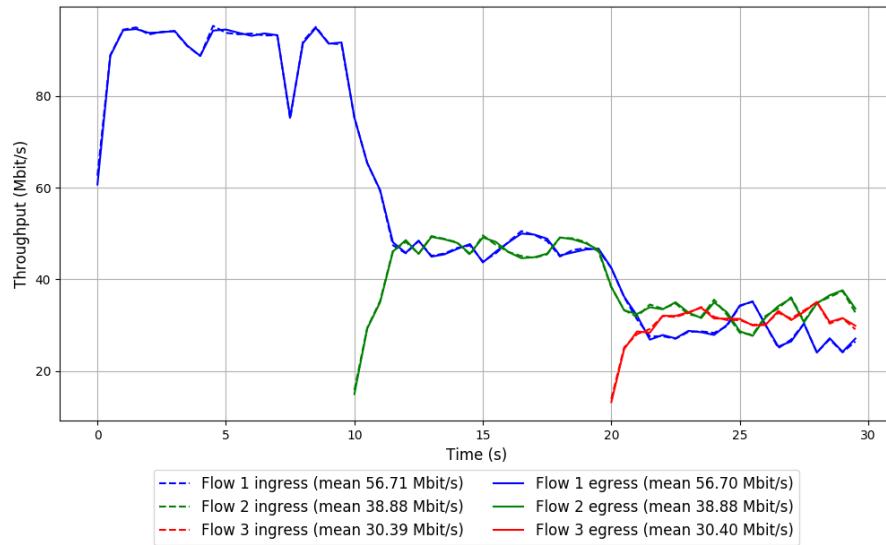


Run 9: Statistics of Copa

```
Start at: 2018-02-28 06:32:08
End at: 2018-02-28 06:32:38
Local clock offset: 2.479 ms
Remote clock offset: -6.877 ms

# Below is generated by plot.py at 2018-02-28 07:58:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.68 Mbit/s
95th percentile per-packet one-way delay: 18.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.70 Mbit/s
95th percentile per-packet one-way delay: 17.851 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 19.445 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 21.546 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

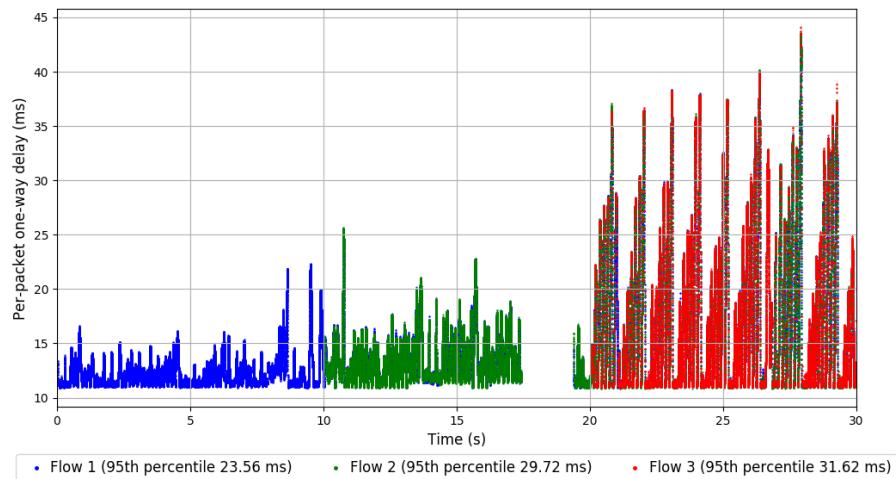
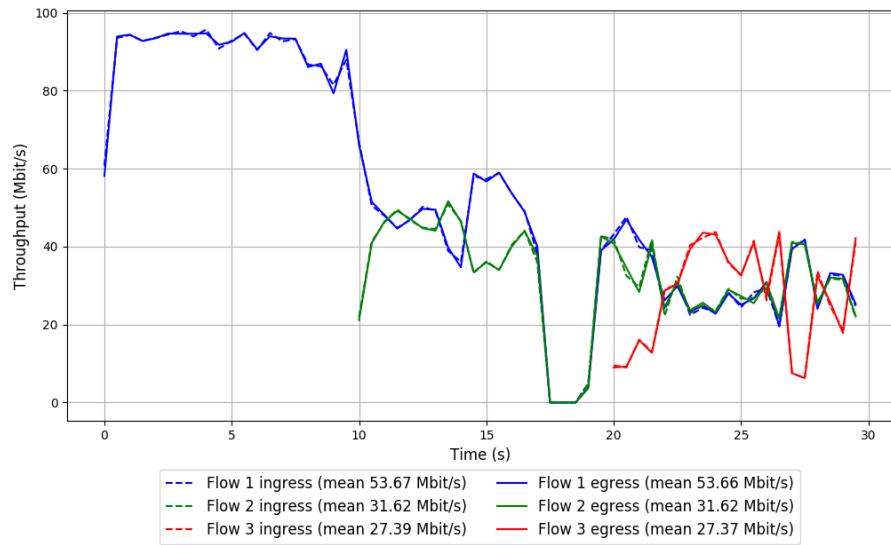


Run 10: Statistics of Copa

```
Start at: 2018-02-28 06:53:27
End at: 2018-02-28 06:53:57
Local clock offset: 2.755 ms
Remote clock offset: -4.012 ms

# Below is generated by plot.py at 2018-02-28 07:58:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.80 Mbit/s
95th percentile per-packet one-way delay: 27.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.66 Mbit/s
95th percentile per-packet one-way delay: 23.556 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 29.724 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.37 Mbit/s
95th percentile per-packet one-way delay: 31.618 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

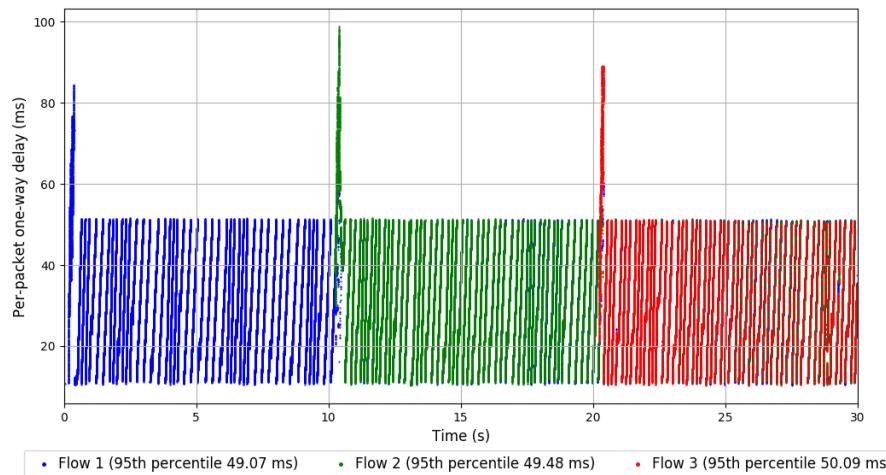
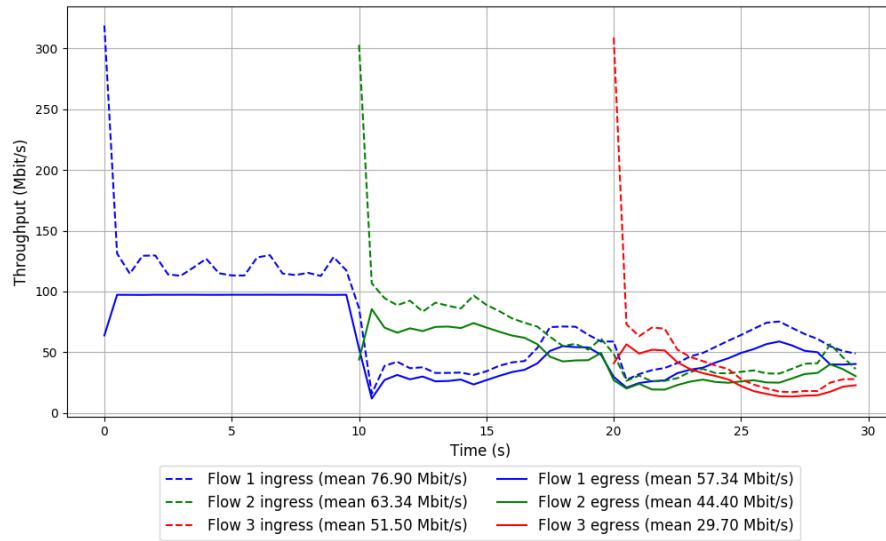


```
Run 1: Statistics of FillP

Start at: 2018-02-28 03:48:07
End at: 2018-02-28 03:48:37
Local clock offset: 4.008 ms
Remote clock offset: 3.27 ms

# Below is generated by plot.py at 2018-02-28 07:58:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 49.294 ms
Loss rate: 28.90%
-- Flow 1:
Average throughput: 57.34 Mbit/s
95th percentile per-packet one-way delay: 49.066 ms
Loss rate: 25.37%
-- Flow 2:
Average throughput: 44.40 Mbit/s
95th percentile per-packet one-way delay: 49.476 ms
Loss rate: 29.94%
-- Flow 3:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: 50.086 ms
Loss rate: 42.24%
```

Run 1: Report of FillP — Data Link

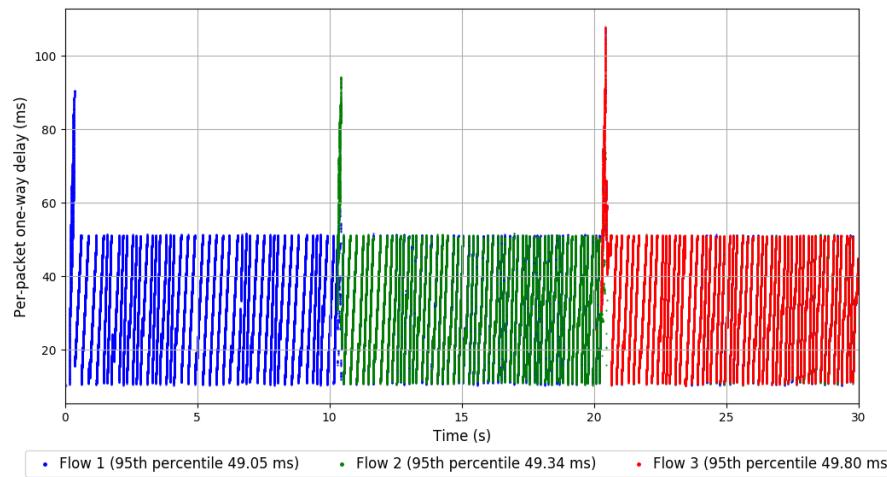
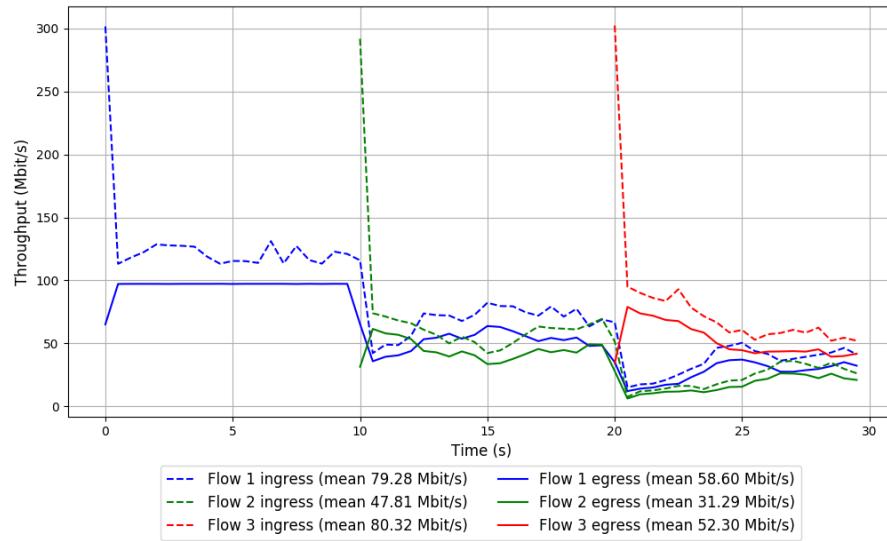


Run 2: Statistics of FillP

```
Start at: 2018-02-28 04:09:39
End at: 2018-02-28 04:10:09
Local clock offset: 3.352 ms
Remote clock offset: 11.623 ms

# Below is generated by plot.py at 2018-02-28 07:58:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 49.251 ms
Loss rate: 29.69%
-- Flow 1:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 49.053 ms
Loss rate: 25.99%
-- Flow 2:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 49.338 ms
Loss rate: 34.51%
-- Flow 3:
Average throughput: 52.30 Mbit/s
95th percentile per-packet one-way delay: 49.805 ms
Loss rate: 34.92%
```

Run 2: Report of FillP — Data Link

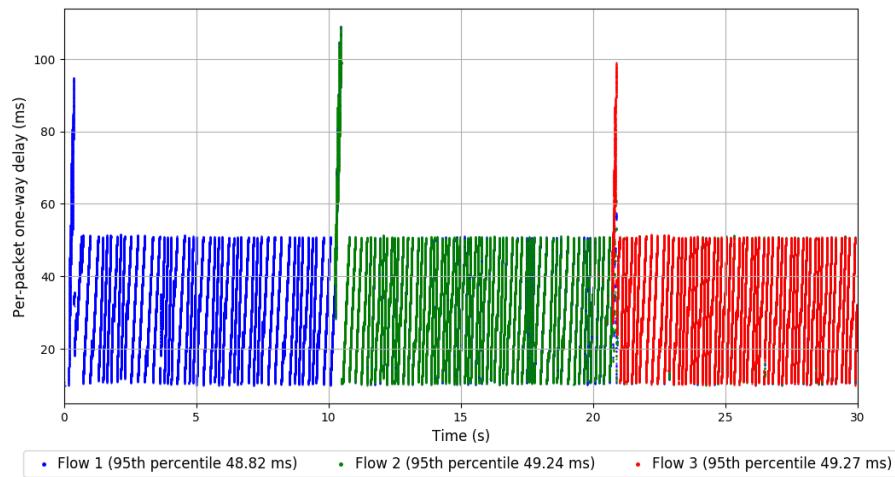
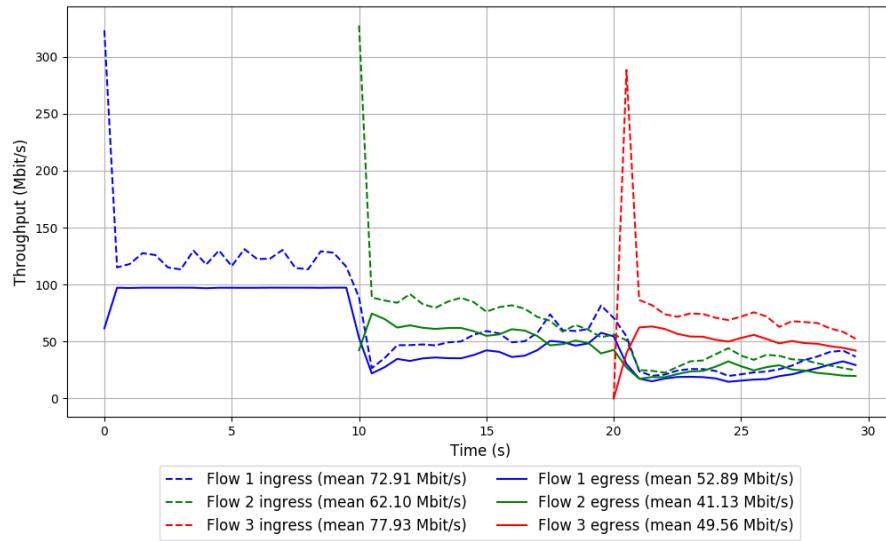


Run 3: Statistics of FillP

```
Start at: 2018-02-28 04:31:16
End at: 2018-02-28 04:31:46
Local clock offset: 5.071 ms
Remote clock offset: 17.101 ms

# Below is generated by plot.py at 2018-02-28 07:59:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 49.018 ms
Loss rate: 30.98%
-- Flow 1:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 48.819 ms
Loss rate: 27.42%
-- Flow 2:
Average throughput: 41.13 Mbit/s
95th percentile per-packet one-way delay: 49.240 ms
Loss rate: 33.83%
-- Flow 3:
Average throughput: 49.56 Mbit/s
95th percentile per-packet one-way delay: 49.273 ms
Loss rate: 36.47%
```

Run 3: Report of FillP — Data Link

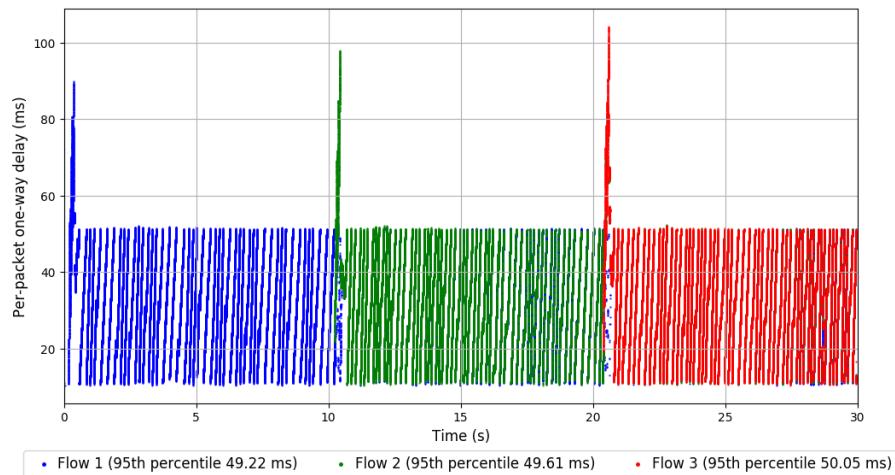
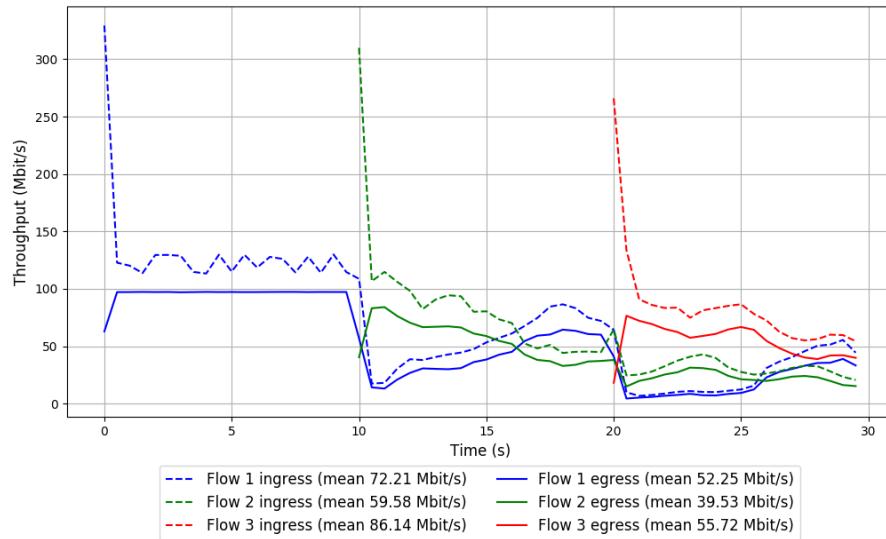


Run 4: Statistics of FillP

```
Start at: 2018-02-28 04:52:40
End at: 2018-02-28 04:53:10
Local clock offset: 4.237 ms
Remote clock offset: 21.298 ms

# Below is generated by plot.py at 2018-02-28 07:59:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 49.472 ms
Loss rate: 31.15%
-- Flow 1:
Average throughput: 52.25 Mbit/s
95th percentile per-packet one-way delay: 49.218 ms
Loss rate: 27.63%
-- Flow 2:
Average throughput: 39.53 Mbit/s
95th percentile per-packet one-way delay: 49.608 ms
Loss rate: 33.70%
-- Flow 3:
Average throughput: 55.72 Mbit/s
95th percentile per-packet one-way delay: 50.053 ms
Loss rate: 36.49%
```

Run 4: Report of FillP — Data Link

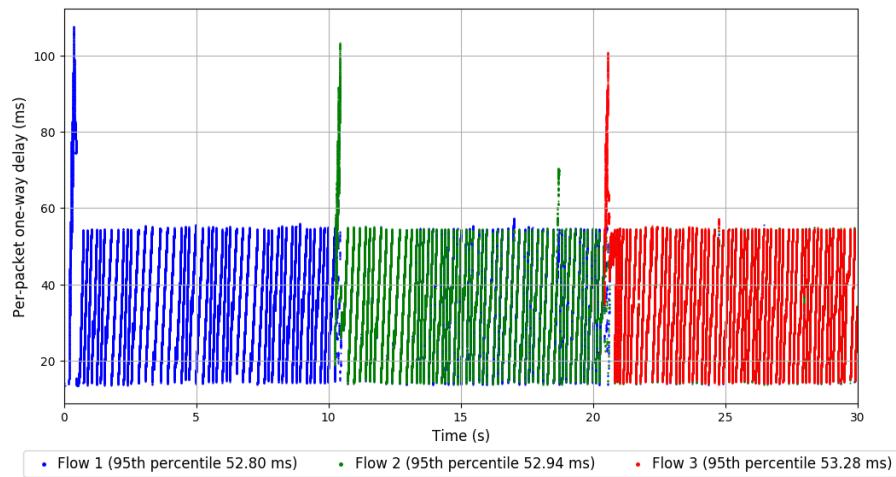
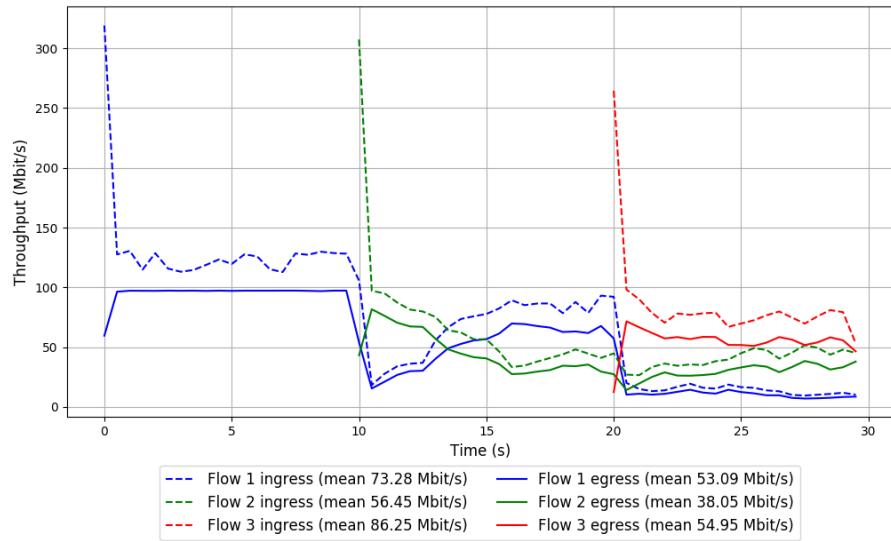


Run 5: Statistics of FillP

```
Start at: 2018-02-28 05:14:02
End at: 2018-02-28 05:14:32
Local clock offset: 1.46 ms
Remote clock offset: -1.824 ms

# Below is generated by plot.py at 2018-02-28 07:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 52.932 ms
Loss rate: 30.68%
-- Flow 1:
Average throughput: 53.09 Mbit/s
95th percentile per-packet one-way delay: 52.800 ms
Loss rate: 27.50%
-- Flow 2:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 52.944 ms
Loss rate: 32.59%
-- Flow 3:
Average throughput: 54.95 Mbit/s
95th percentile per-packet one-way delay: 53.282 ms
Loss rate: 36.30%
```

Run 5: Report of FillP — Data Link

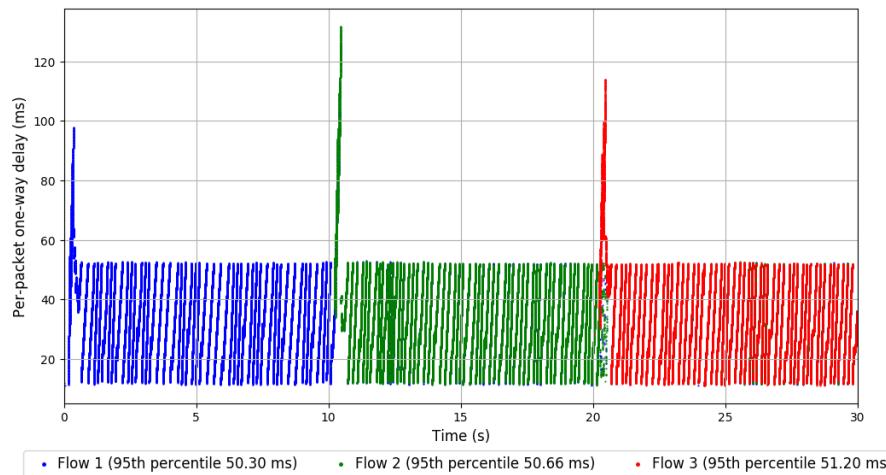
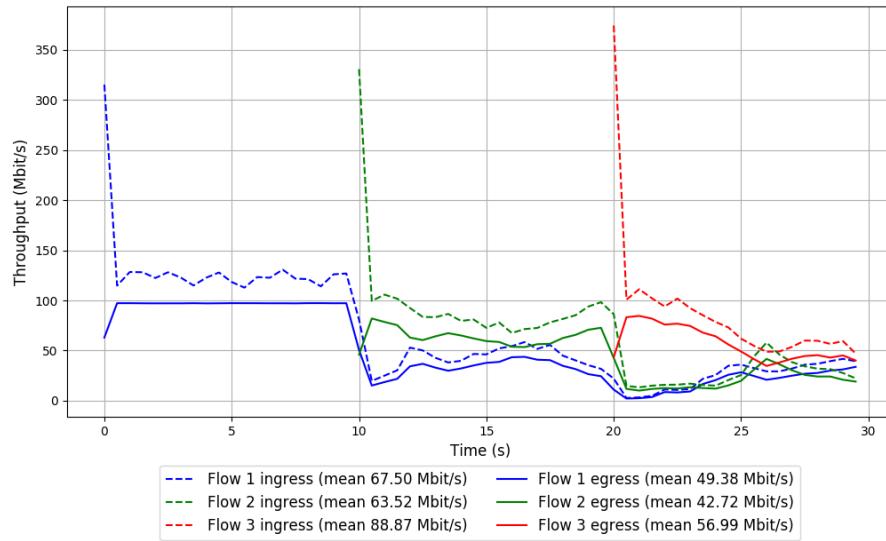


Run 6: Statistics of FillP

```
Start at: 2018-02-28 05:35:21
End at: 2018-02-28 05:35:51
Local clock offset: 1.056 ms
Remote clock offset: -5.24 ms

# Below is generated by plot.py at 2018-02-28 07:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: 50.573 ms
Loss rate: 30.52%
-- Flow 1:
Average throughput: 49.38 Mbit/s
95th percentile per-packet one-way delay: 50.302 ms
Loss rate: 26.78%
-- Flow 2:
Average throughput: 42.72 Mbit/s
95th percentile per-packet one-way delay: 50.665 ms
Loss rate: 32.79%
-- Flow 3:
Average throughput: 56.99 Mbit/s
95th percentile per-packet one-way delay: 51.200 ms
Loss rate: 35.82%
```

Run 6: Report of FillP — Data Link

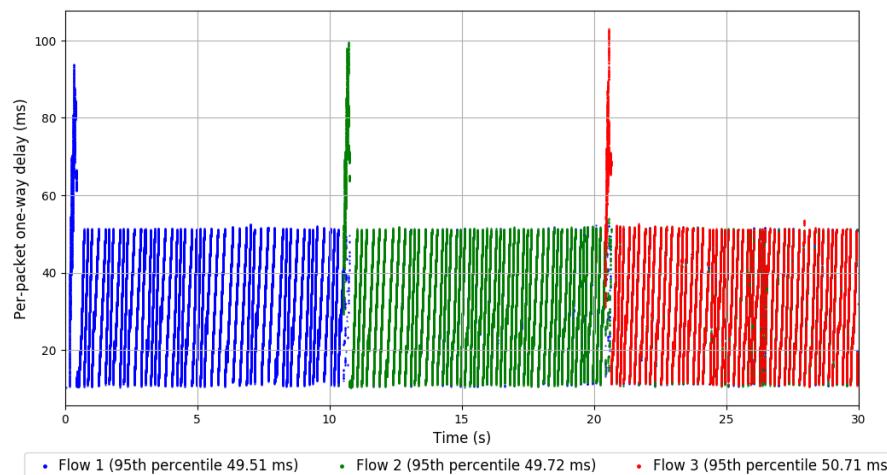
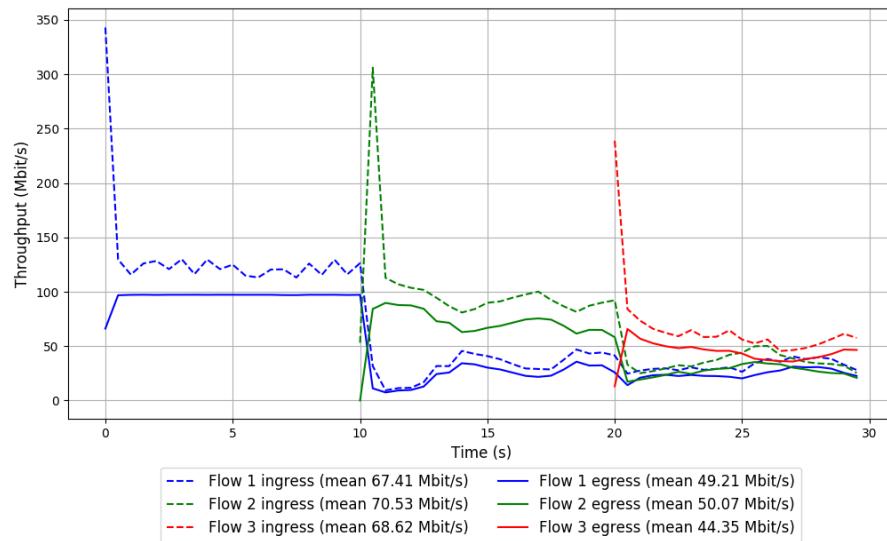


Run 7: Statistics of FillP

```
Start at: 2018-02-28 05:56:47
End at: 2018-02-28 05:57:17
Local clock offset: 3.11 ms
Remote clock offset: -4.255 ms

# Below is generated by plot.py at 2018-02-28 08:00:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 49.744 ms
Loss rate: 29.45%
-- Flow 1:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 49.511 ms
Loss rate: 26.98%
-- Flow 2:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 49.716 ms
Loss rate: 30.07%
-- Flow 3:
Average throughput: 44.35 Mbit/s
95th percentile per-packet one-way delay: 50.709 ms
Loss rate: 35.45%
```

Run 7: Report of FillP — Data Link

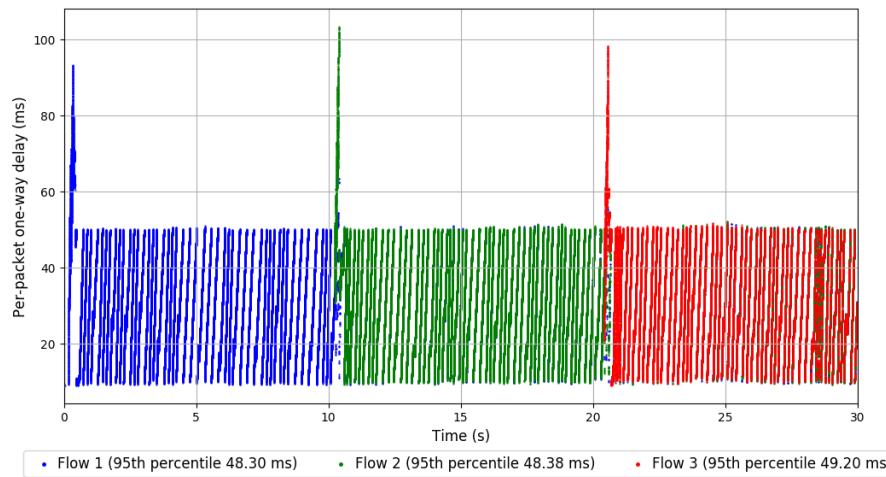
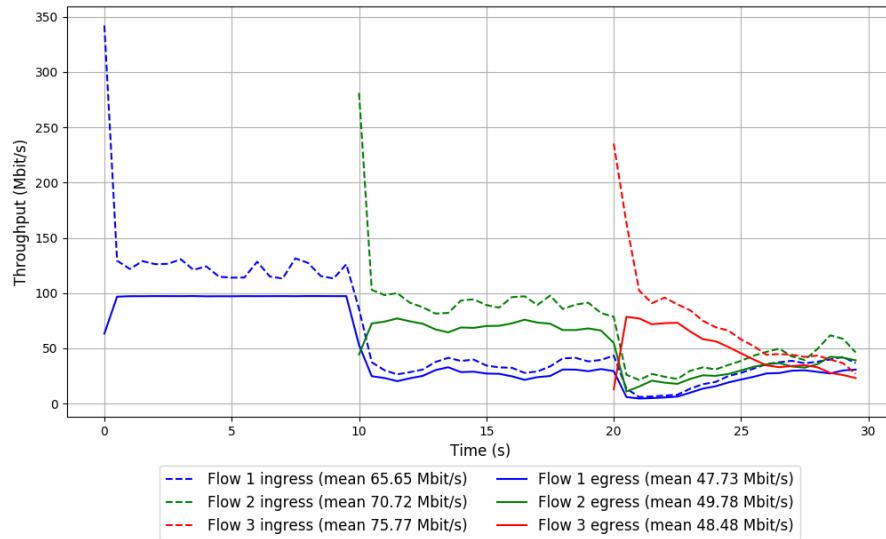


Run 8: Statistics of FillP

```
Start at: 2018-02-28 06:18:01
End at: 2018-02-28 06:18:31
Local clock offset: 4.349 ms
Remote clock offset: -5.381 ms

# Below is generated by plot.py at 2018-02-28 08:00:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 48.475 ms
Loss rate: 29.84%
-- Flow 1:
Average throughput: 47.73 Mbit/s
95th percentile per-packet one-way delay: 48.302 ms
Loss rate: 27.24%
-- Flow 2:
Average throughput: 49.78 Mbit/s
95th percentile per-packet one-way delay: 48.380 ms
Loss rate: 29.67%
-- Flow 3:
Average throughput: 48.48 Mbit/s
95th percentile per-packet one-way delay: 49.198 ms
Loss rate: 36.97%
```

Run 8: Report of FillP — Data Link

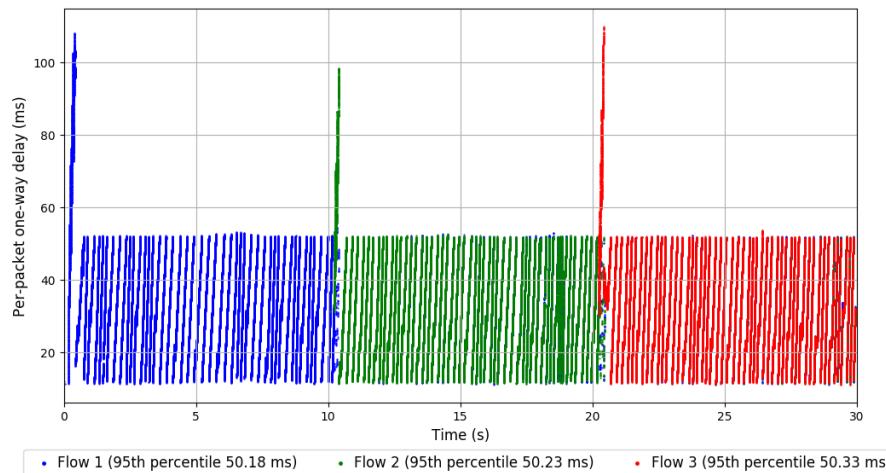
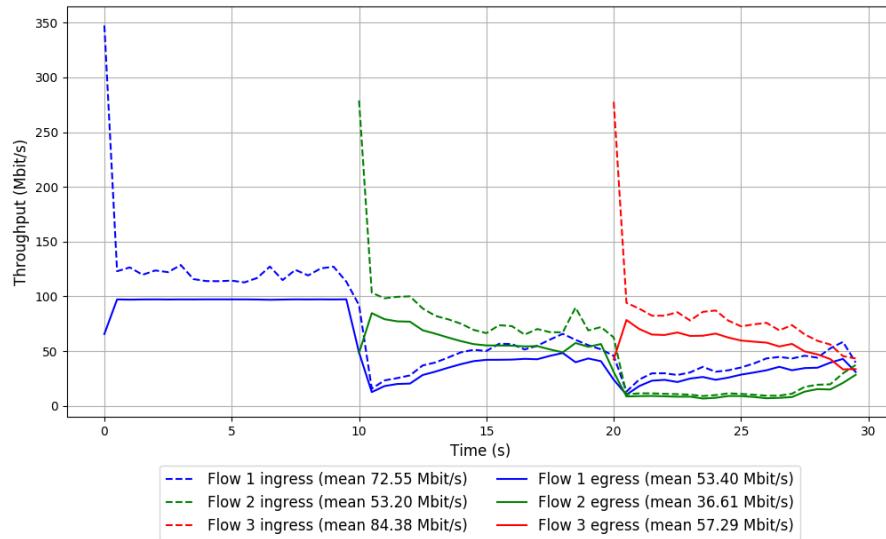


Run 9: Statistics of FillP

```
Start at: 2018-02-28 06:39:21
End at: 2018-02-28 06:39:51
Local clock offset: 2.297 ms
Remote clock offset: -6.395 ms

# Below is generated by plot.py at 2018-02-28 08:00:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 50.218 ms
Loss rate: 28.78%
-- Flow 1:
Average throughput: 53.40 Mbit/s
95th percentile per-packet one-way delay: 50.179 ms
Loss rate: 26.35%
-- Flow 2:
Average throughput: 36.61 Mbit/s
95th percentile per-packet one-way delay: 50.231 ms
Loss rate: 31.15%
-- Flow 3:
Average throughput: 57.29 Mbit/s
95th percentile per-packet one-way delay: 50.325 ms
Loss rate: 32.07%
```

Run 9: Report of FillP — Data Link

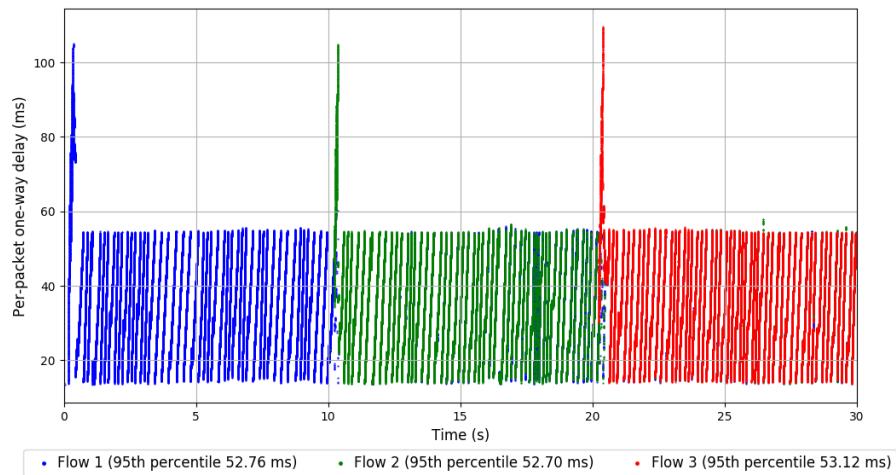
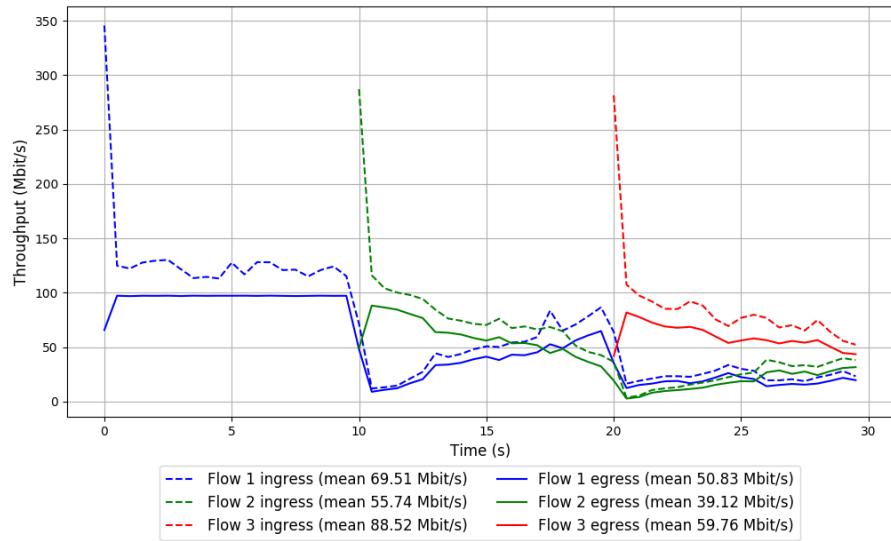


Run 10: Statistics of FillP

```
Start at: 2018-02-28 07:00:54
End at: 2018-02-28 07:01:24
Local clock offset: 1.017 ms
Remote clock offset: -3.52 ms

# Below is generated by plot.py at 2018-02-28 08:00:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: 52.822 ms
Loss rate: 28.83%
-- Flow 1:
Average throughput: 50.83 Mbit/s
95th percentile per-packet one-way delay: 52.761 ms
Loss rate: 26.81%
-- Flow 2:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 52.697 ms
Loss rate: 29.75%
-- Flow 3:
Average throughput: 59.76 Mbit/s
95th percentile per-packet one-way delay: 53.124 ms
Loss rate: 32.43%
```

Run 10: Report of FillP — Data Link

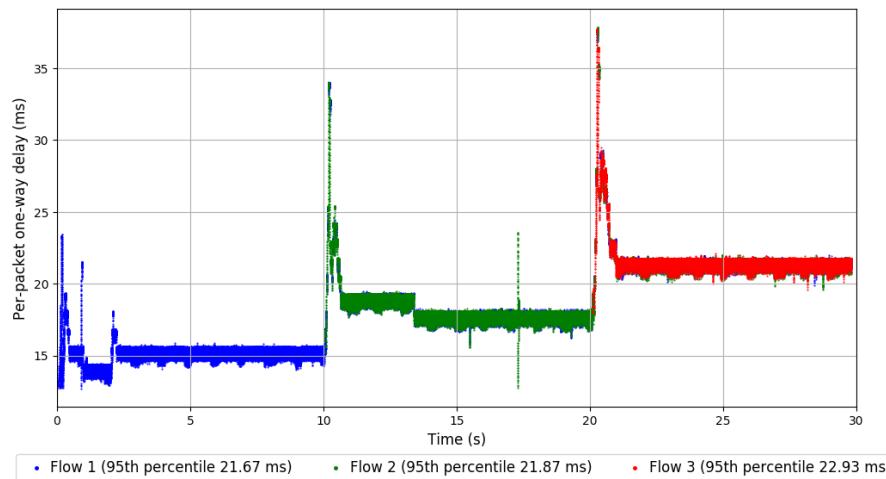
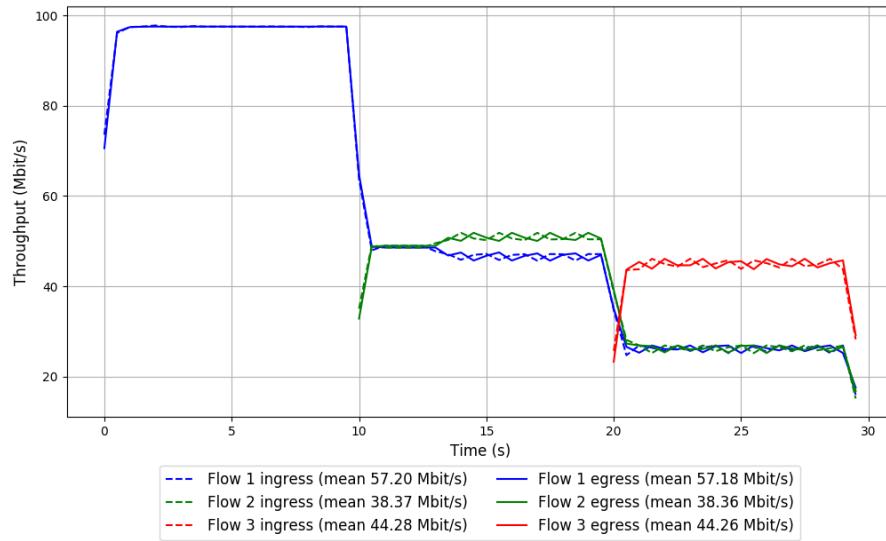


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-02-28 03:33:46
End at: 2018-02-28 03:34:16
Local clock offset: 1.451 ms
Remote clock offset: 0.748 ms

# Below is generated by plot.py at 2018-02-28 08:00:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 21.735 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.18 Mbit/s
95th percentile per-packet one-way delay: 21.668 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.36 Mbit/s
95th percentile per-packet one-way delay: 21.869 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.26 Mbit/s
95th percentile per-packet one-way delay: 22.927 ms
Loss rate: 0.00%
```

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

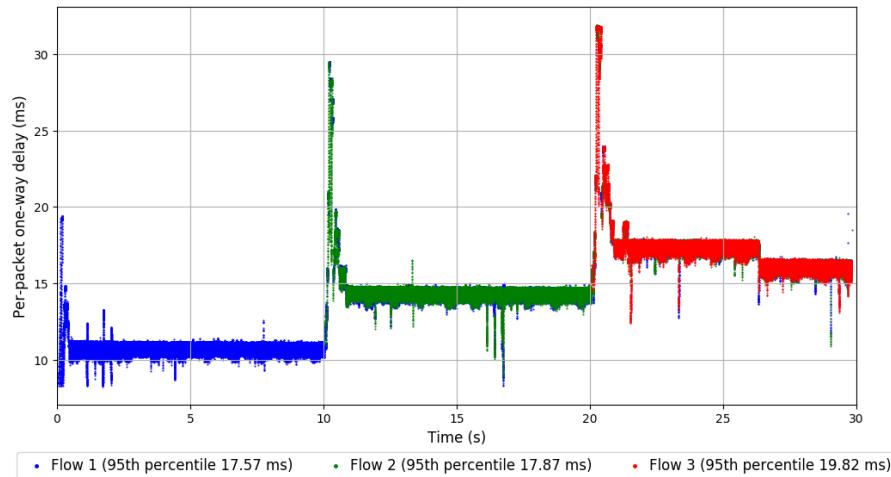
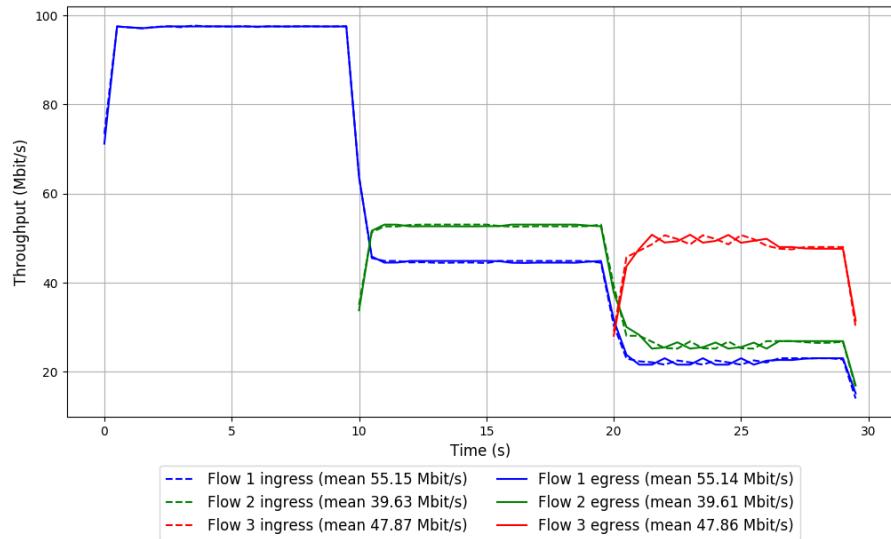


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-02-28 03:55:12
End at: 2018-02-28 03:55:42
Local clock offset: 6.326 ms
Remote clock offset: 7.761 ms

# Below is generated by plot.py at 2018-02-28 08:00:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 17.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.14 Mbit/s
95th percentile per-packet one-way delay: 17.575 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.61 Mbit/s
95th percentile per-packet one-way delay: 17.867 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.86 Mbit/s
95th percentile per-packet one-way delay: 19.815 ms
Loss rate: 0.00%
```

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

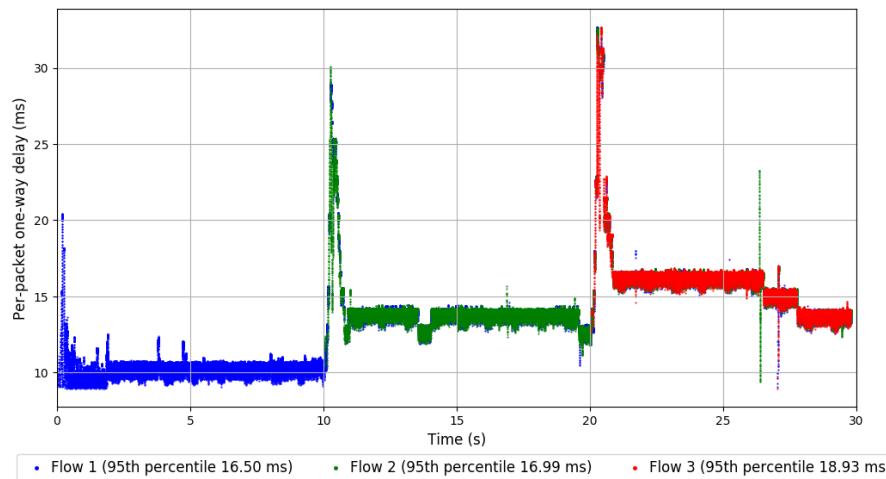
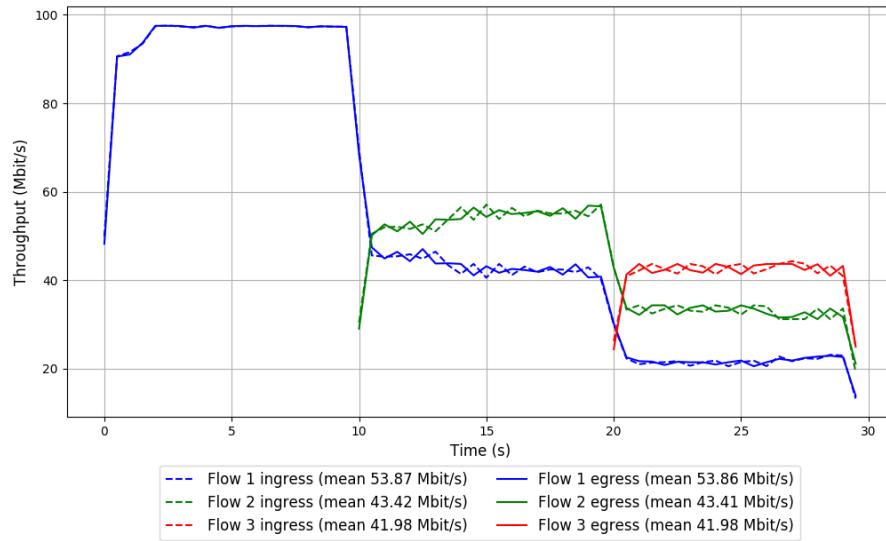


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-02-28 04:16:46
End at: 2018-02-28 04:17:17
Local clock offset: 5.508 ms
Remote clock offset: 13.893 ms

# Below is generated by plot.py at 2018-02-28 08:00:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 16.588 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.86 Mbit/s
95th percentile per-packet one-way delay: 16.500 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.41 Mbit/s
95th percentile per-packet one-way delay: 16.990 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.98 Mbit/s
95th percentile per-packet one-way delay: 18.928 ms
Loss rate: 0.00%
```

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

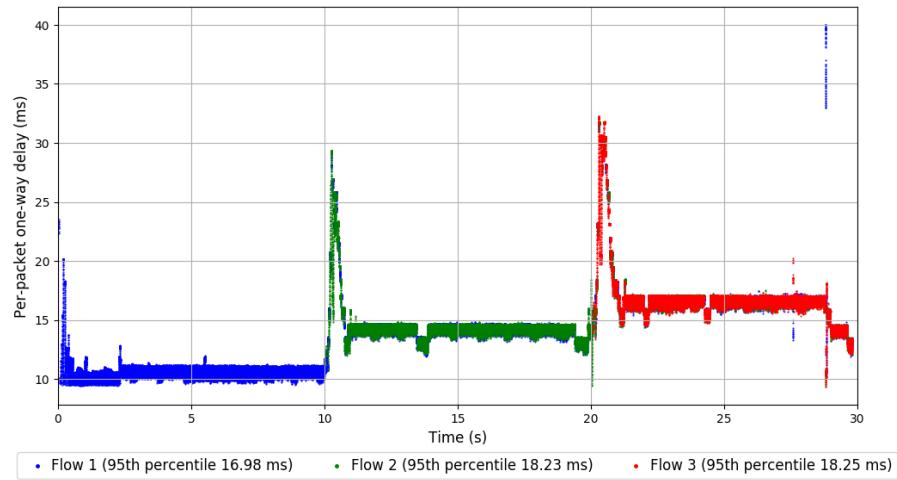
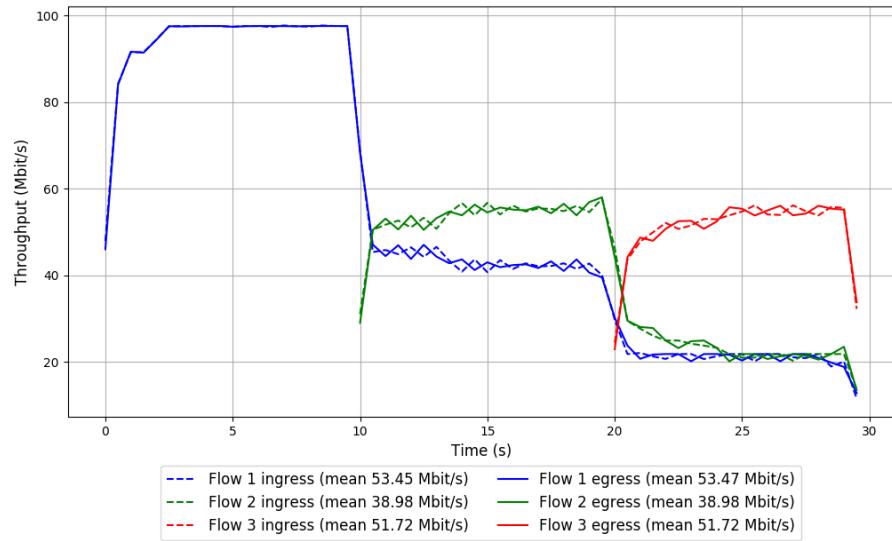


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-02-28 04:38:16
End at: 2018-02-28 04:38:46
Local clock offset: 4.627 ms
Remote clock offset: 17.479 ms

# Below is generated by plot.py at 2018-02-28 08:00:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 17.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.47 Mbit/s
95th percentile per-packet one-way delay: 16.978 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 18.233 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 51.72 Mbit/s
95th percentile per-packet one-way delay: 18.254 ms
Loss rate: 0.00%
```

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

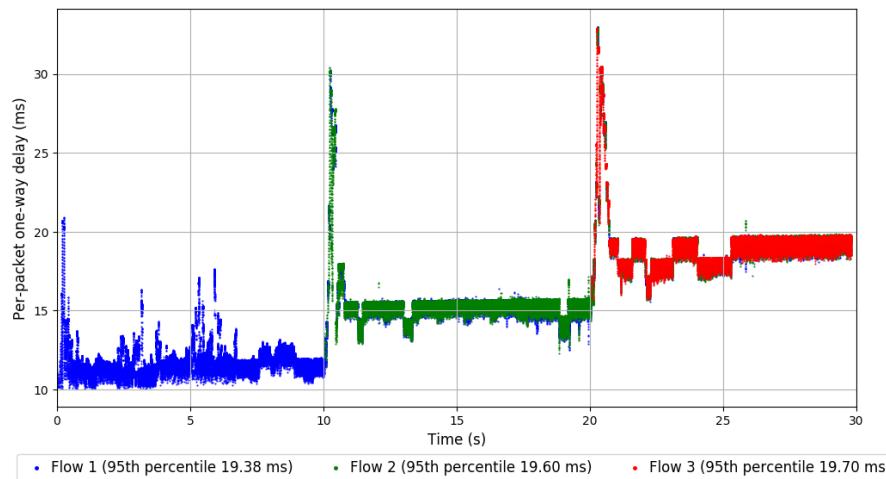
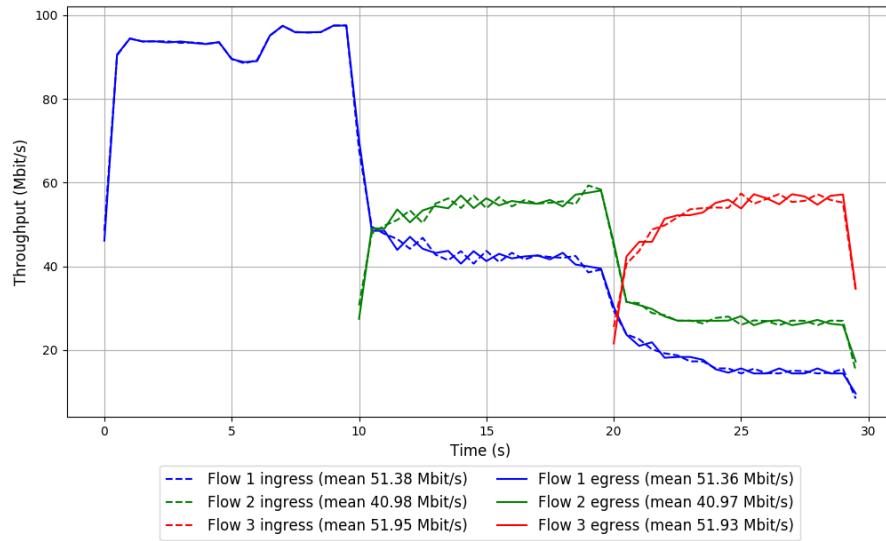


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-02-28 04:59:42
End at: 2018-02-28 05:00:12
Local clock offset: 5.081 ms
Remote clock offset: 10.446 ms

# Below is generated by plot.py at 2018-02-28 08:01:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.51 Mbit/s
95th percentile per-packet one-way delay: 19.586 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.36 Mbit/s
95th percentile per-packet one-way delay: 19.381 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 19.604 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.93 Mbit/s
95th percentile per-packet one-way delay: 19.705 ms
Loss rate: 0.00%
```

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

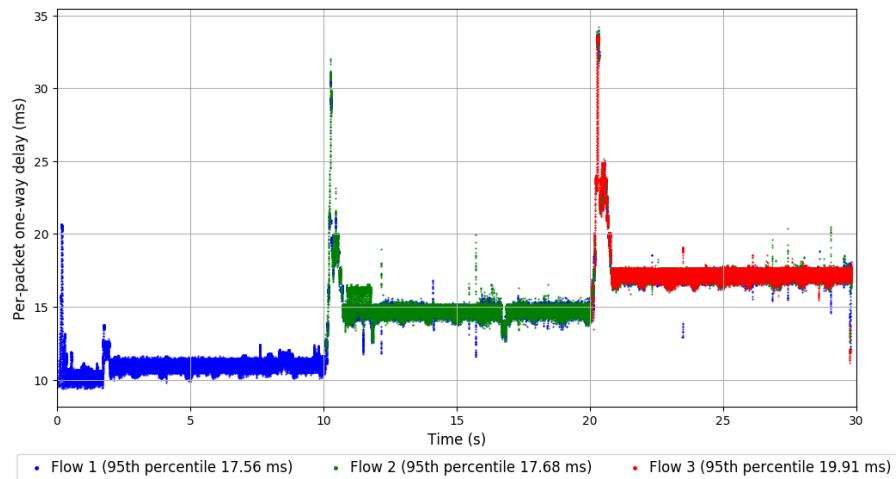
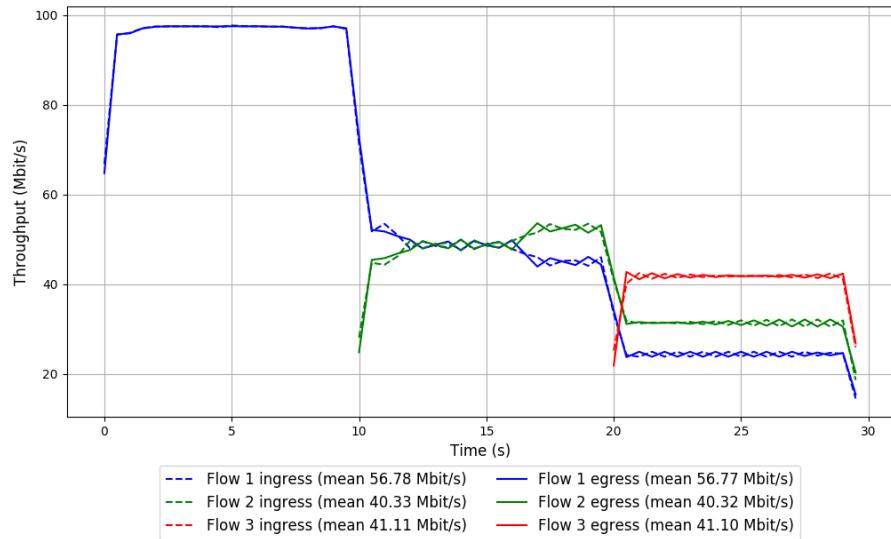


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-02-28 05:21:05
End at: 2018-02-28 05:21:35
Local clock offset: 4.155 ms
Remote clock offset: -5.771 ms

# Below is generated by plot.py at 2018-02-28 08:01:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 17.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.77 Mbit/s
95th percentile per-packet one-way delay: 17.560 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 17.677 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.10 Mbit/s
95th percentile per-packet one-way delay: 19.914 ms
Loss rate: 0.00%
```

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

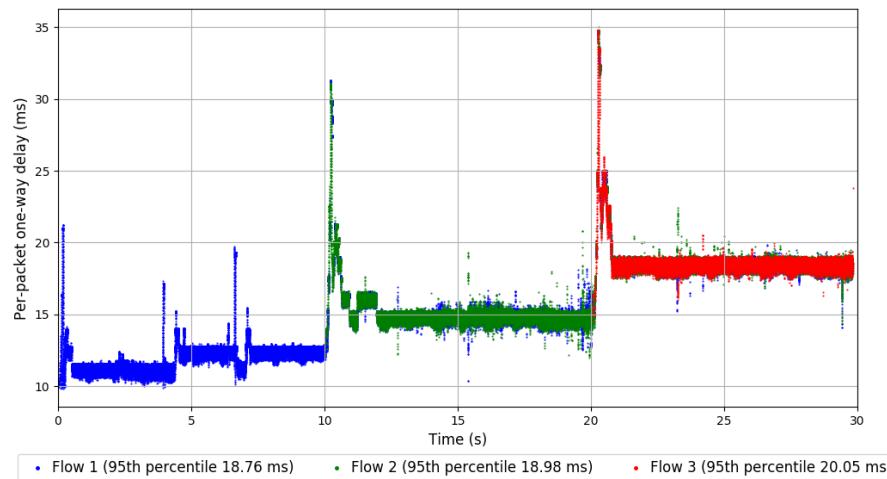
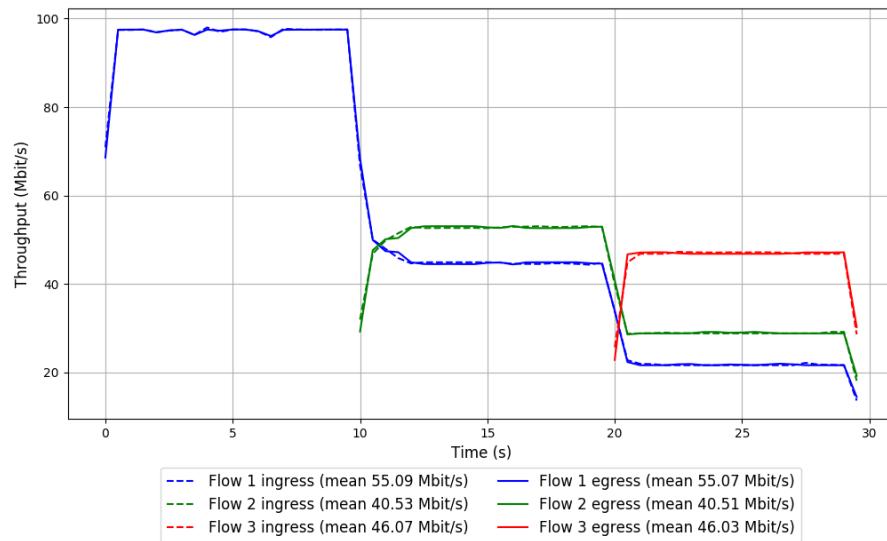


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-02-28 05:42:29
End at: 2018-02-28 05:42:59
Local clock offset: 3.159 ms
Remote clock offset: -3.677 ms

# Below is generated by plot.py at 2018-02-28 08:01:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 18.862 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.07 Mbit/s
95th percentile per-packet one-way delay: 18.764 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 18.982 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.03 Mbit/s
95th percentile per-packet one-way delay: 20.048 ms
Loss rate: 0.01%
```

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

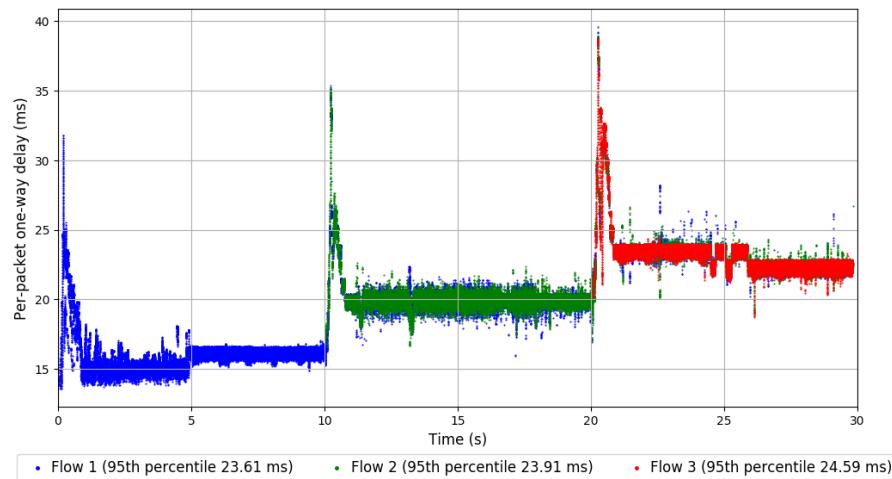
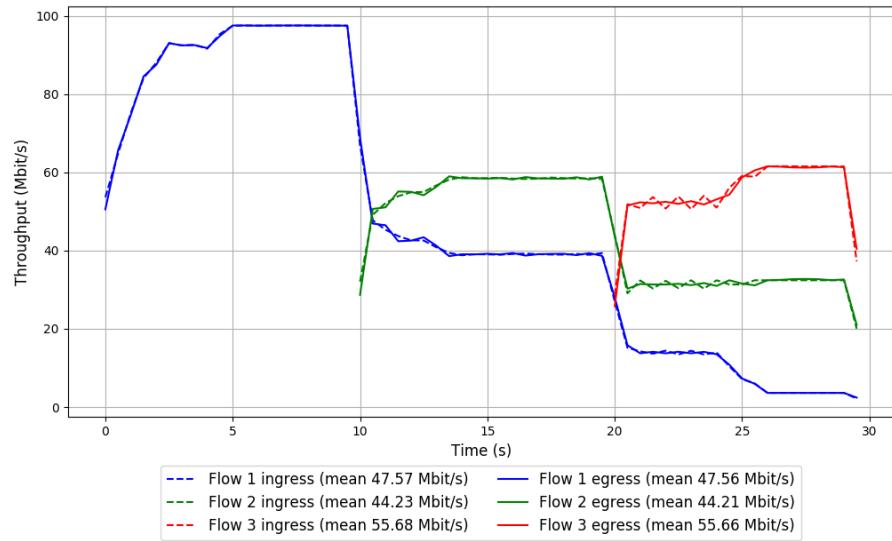


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-02-28 06:03:44
End at: 2018-02-28 06:04:14
Local clock offset: -0.753 ms
Remote clock offset: -5.228 ms

# Below is generated by plot.py at 2018-02-28 08:02:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.08 Mbit/s
95th percentile per-packet one-way delay: 23.890 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.56 Mbit/s
95th percentile per-packet one-way delay: 23.605 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.21 Mbit/s
95th percentile per-packet one-way delay: 23.914 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.66 Mbit/s
95th percentile per-packet one-way delay: 24.588 ms
Loss rate: 0.00%
```

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

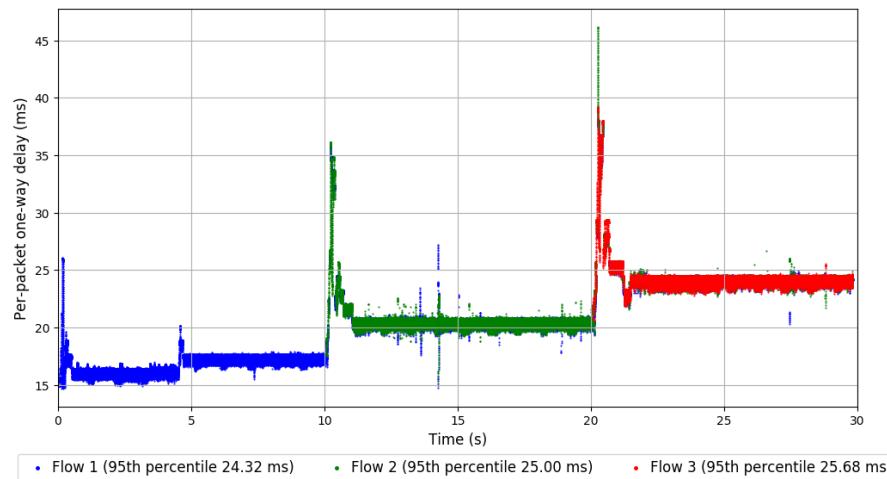
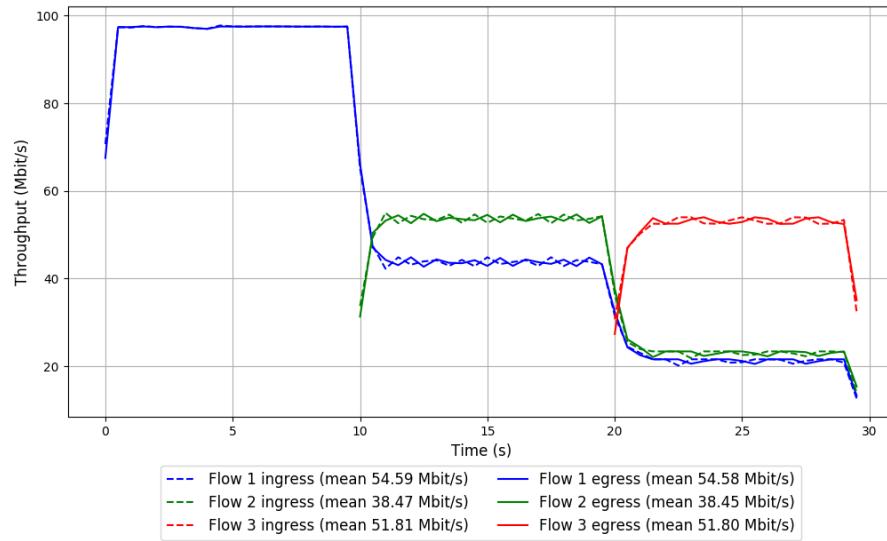


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-02-28 06:24:58
End at: 2018-02-28 06:25:28
Local clock offset: -1.25 ms
Remote clock offset: -6.154 ms

# Below is generated by plot.py at 2018-02-28 08:02:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 24.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.58 Mbit/s
95th percentile per-packet one-way delay: 24.319 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.45 Mbit/s
95th percentile per-packet one-way delay: 25.003 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.80 Mbit/s
95th percentile per-packet one-way delay: 25.683 ms
Loss rate: 0.00%
```

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

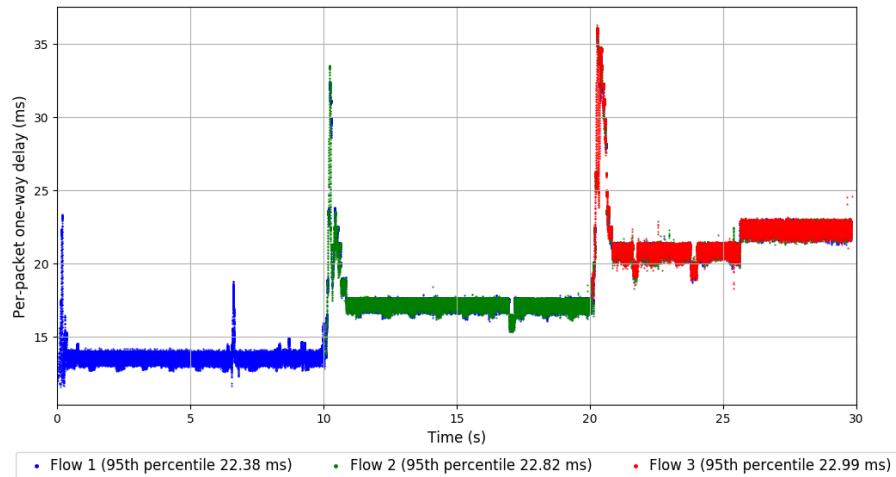
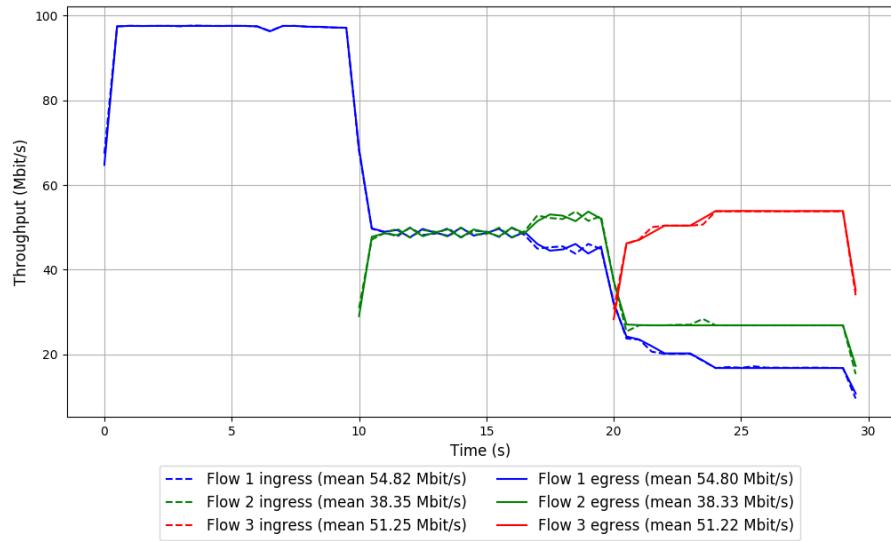


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-02-28 06:46:20
End at: 2018-02-28 06:46:50
Local clock offset: 2.096 ms
Remote clock offset: -4.888 ms

# Below is generated by plot.py at 2018-02-28 08:02:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 22.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 22.382 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 22.816 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.22 Mbit/s
95th percentile per-packet one-way delay: 22.986 ms
Loss rate: 0.00%
```

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

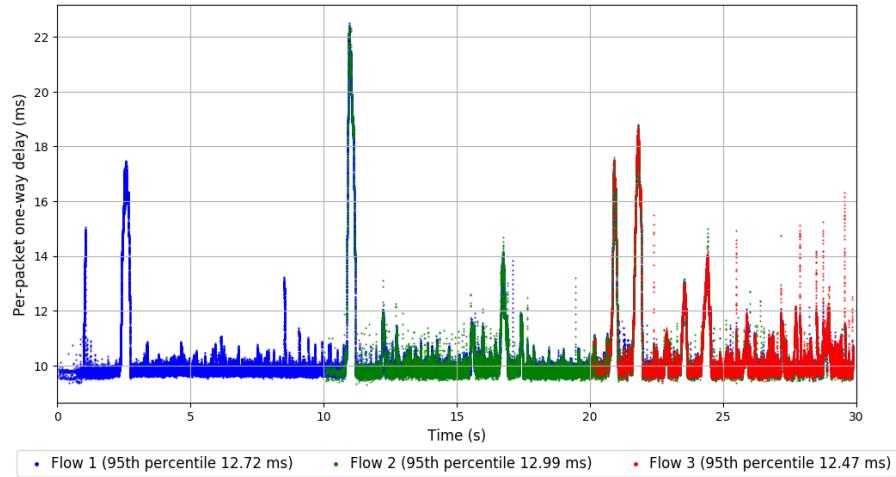
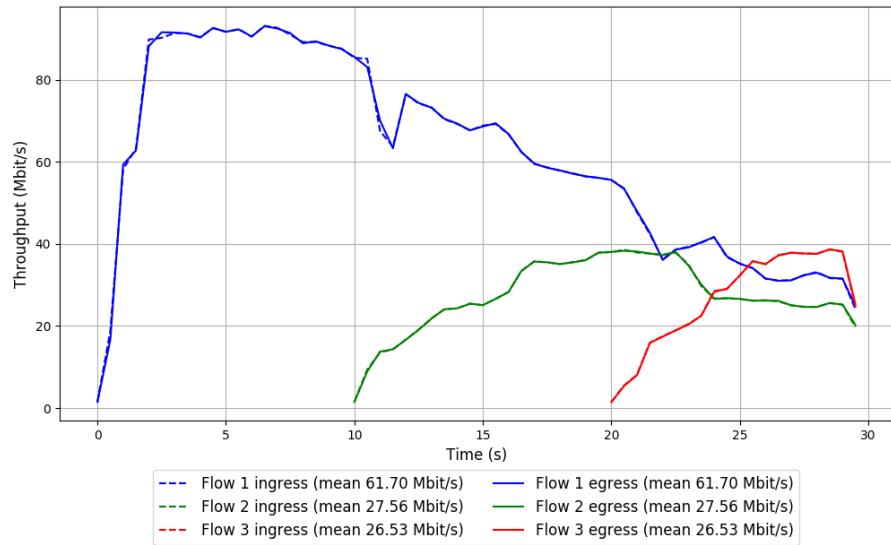


Run 1: Statistics of Vivace-latency

```
Start at: 2018-02-28 03:43:17
End at: 2018-02-28 03:43:47
Local clock offset: 5.466 ms
Remote clock offset: 1.706 ms

# Below is generated by plot.py at 2018-02-28 08:02:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.77 Mbit/s
95th percentile per-packet one-way delay: 12.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.70 Mbit/s
95th percentile per-packet one-way delay: 12.721 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.56 Mbit/s
95th percentile per-packet one-way delay: 12.989 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.53 Mbit/s
95th percentile per-packet one-way delay: 12.473 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-latency — Data Link

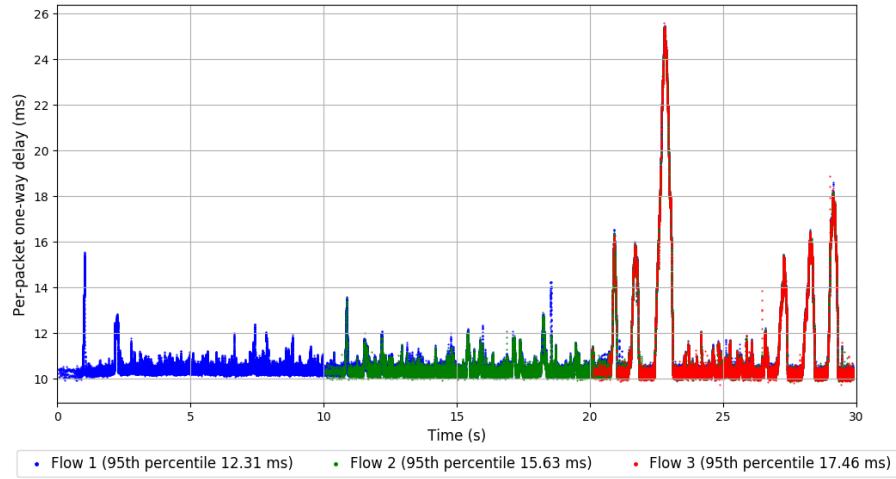
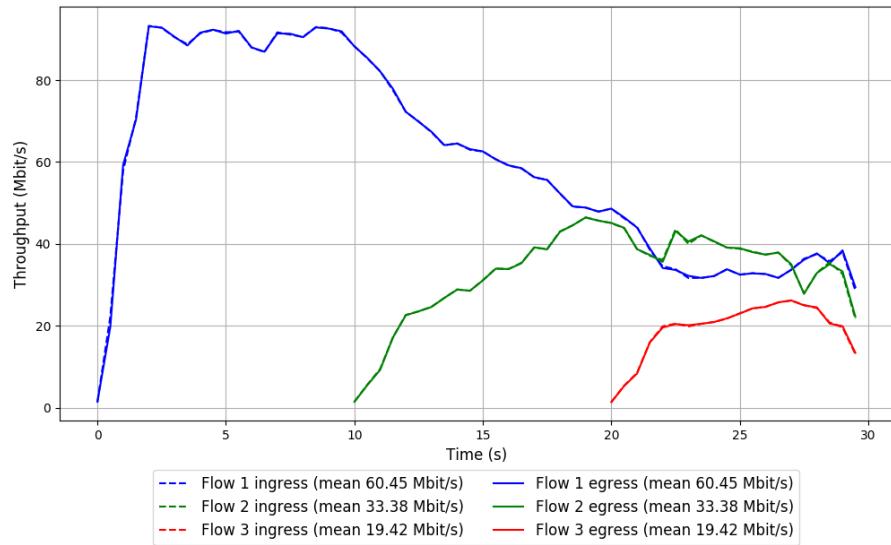


Run 2: Statistics of Vivace-latency

```
Start at: 2018-02-28 04:04:50
End at: 2018-02-28 04:05:20
Local clock offset: 4.027 ms
Remote clock offset: 10.642 ms

# Below is generated by plot.py at 2018-02-28 08:02:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.04 Mbit/s
95th percentile per-packet one-way delay: 14.266 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.45 Mbit/s
95th percentile per-packet one-way delay: 12.307 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.38 Mbit/s
95th percentile per-packet one-way delay: 15.633 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.42 Mbit/s
95th percentile per-packet one-way delay: 17.456 ms
Loss rate: 0.00%
```

Run 2: Report of Vivace-latency — Data Link

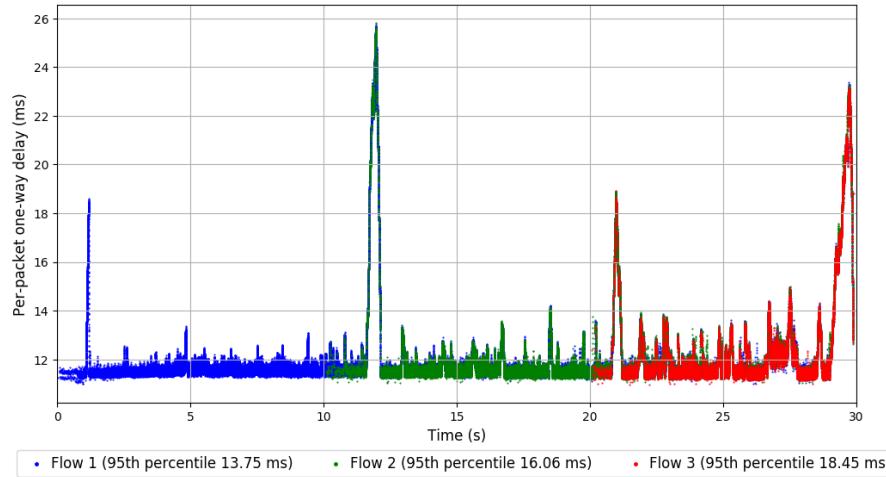
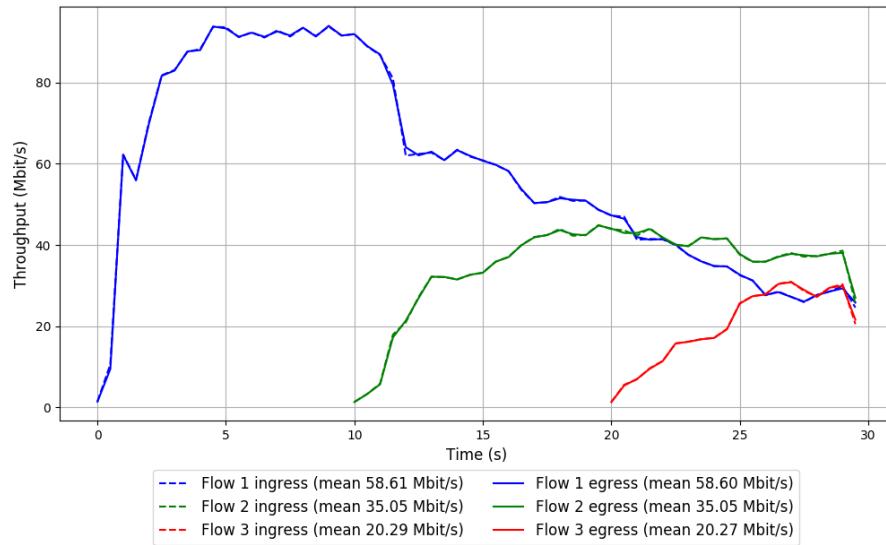


Run 3: Statistics of Vivace-latency

```
Start at: 2018-02-28 04:26:26
End at: 2018-02-28 04:26:56
Local clock offset: 4.464 ms
Remote clock offset: 16.848 ms

# Below is generated by plot.py at 2018-02-28 08:03:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.55 Mbit/s
95th percentile per-packet one-way delay: 15.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 13.750 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.05 Mbit/s
95th percentile per-packet one-way delay: 16.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.27 Mbit/s
95th percentile per-packet one-way delay: 18.448 ms
Loss rate: 0.00%
```

Run 3: Report of Vivace-latency — Data Link

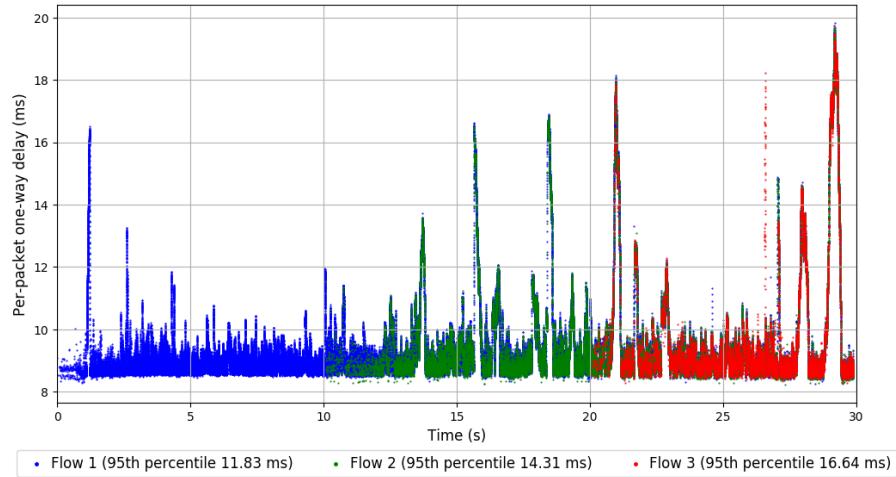
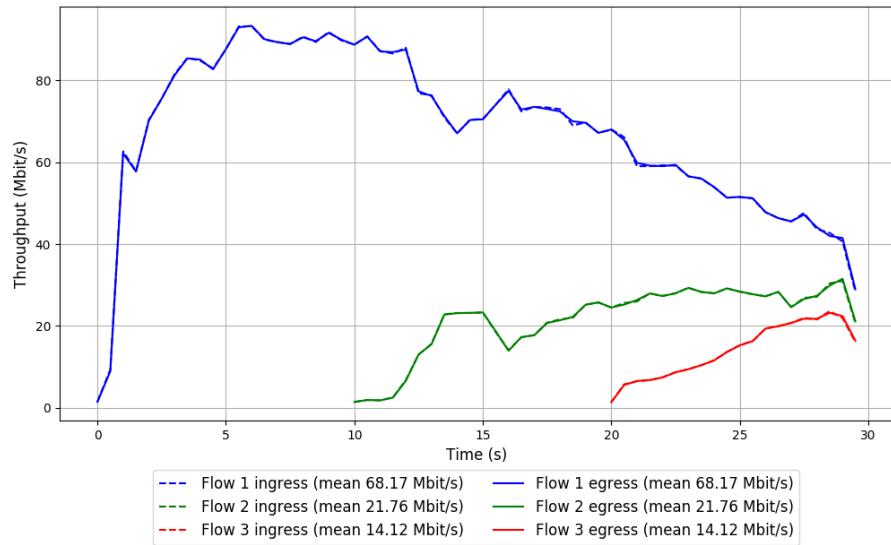


Run 4: Statistics of Vivace-latency

```
Start at: 2018-02-28 04:47:50
End at: 2018-02-28 04:48:20
Local clock offset: 5.103 ms
Remote clock offset: 19.147 ms

# Below is generated by plot.py at 2018-02-28 08:03:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 12.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.17 Mbit/s
95th percentile per-packet one-way delay: 11.829 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.76 Mbit/s
95th percentile per-packet one-way delay: 14.310 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.12 Mbit/s
95th percentile per-packet one-way delay: 16.635 ms
Loss rate: 0.00%
```

Run 4: Report of Vivace-latency — Data Link

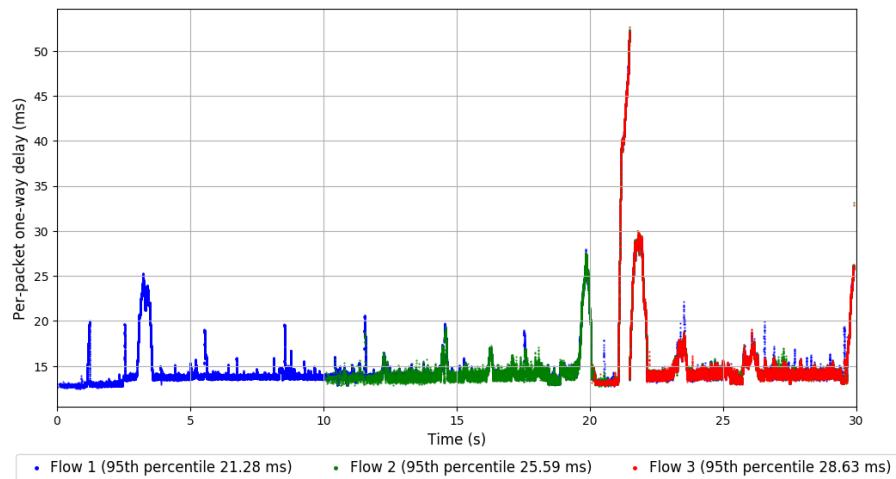
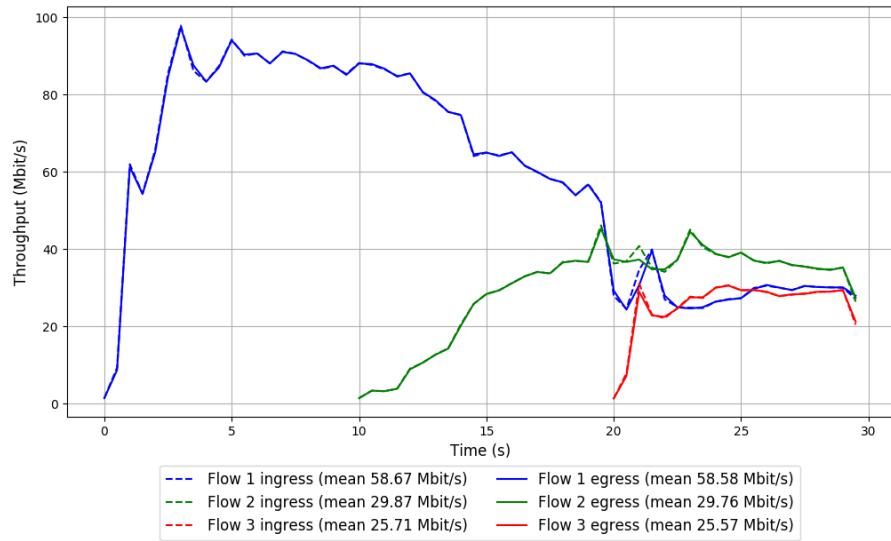


Run 5: Statistics of Vivace-latency

```
Start at: 2018-02-28 05:09:15
End at: 2018-02-28 05:09:45
Local clock offset: 1.942 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-02-28 08:03:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 22.862 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.58 Mbit/s
95th percentile per-packet one-way delay: 21.283 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 29.76 Mbit/s
95th percentile per-packet one-way delay: 25.594 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 25.57 Mbit/s
95th percentile per-packet one-way delay: 28.634 ms
Loss rate: 0.39%
```

Run 5: Report of Vivace-latency — Data Link

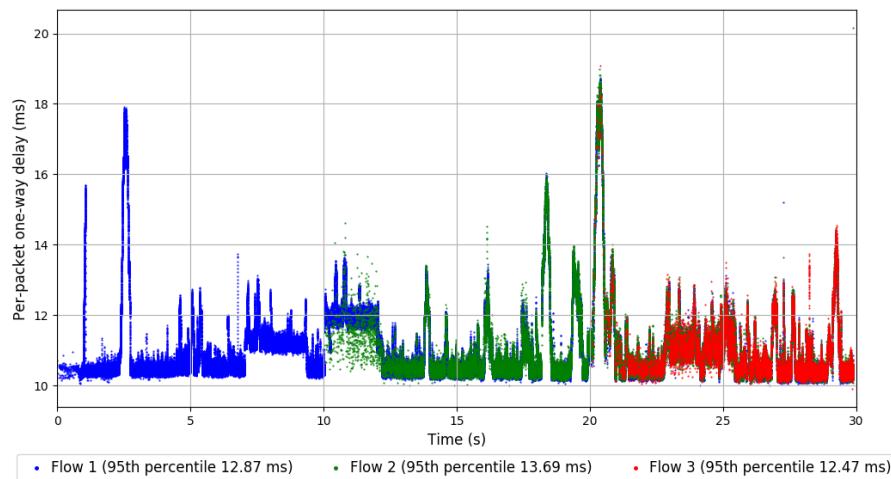
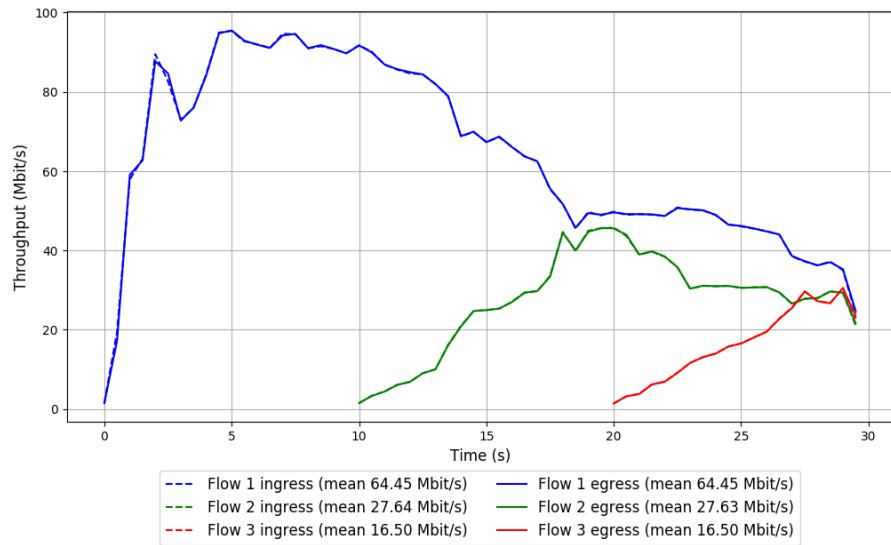


Run 6: Statistics of Vivace-latency

```
Start at: 2018-02-28 05:30:31
End at: 2018-02-28 05:31:01
Local clock offset: 2.602 ms
Remote clock offset: -6.216 ms

# Below is generated by plot.py at 2018-02-28 08:03:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.25 Mbit/s
95th percentile per-packet one-way delay: 13.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.45 Mbit/s
95th percentile per-packet one-way delay: 12.872 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.63 Mbit/s
95th percentile per-packet one-way delay: 13.689 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.50 Mbit/s
95th percentile per-packet one-way delay: 12.475 ms
Loss rate: 0.00%
```

Run 6: Report of Vivace-latency — Data Link

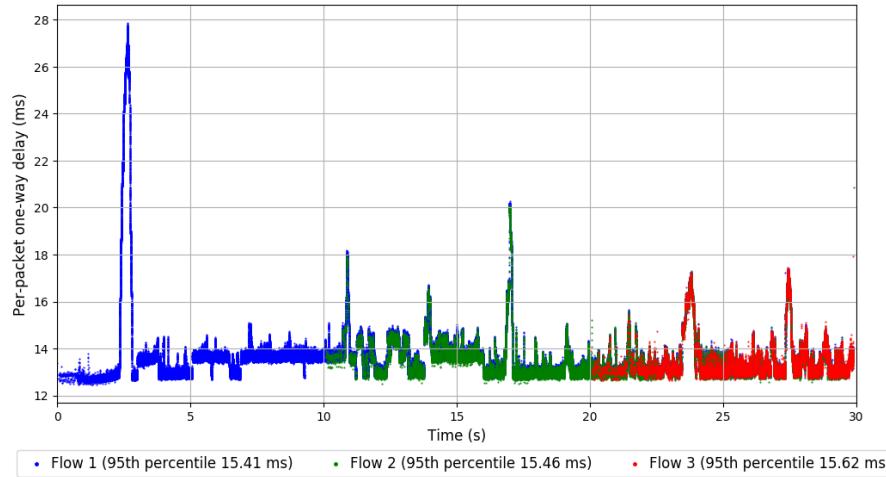
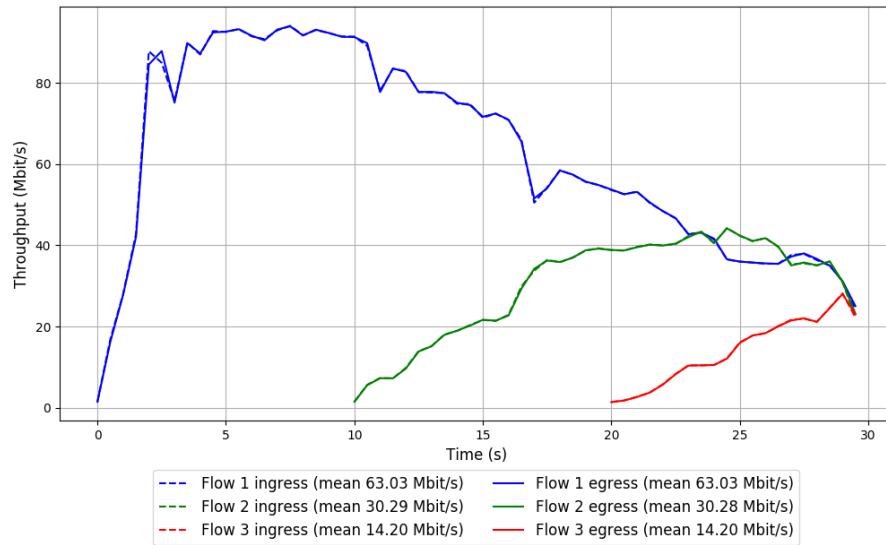


Run 7: Statistics of Vivace-latency

```
Start at: 2018-02-28 05:51:59
End at: 2018-02-28 05:52:29
Local clock offset: 0.64 ms
Remote clock offset: -3.828 ms

# Below is generated by plot.py at 2018-02-28 08:03:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.82 Mbit/s
95th percentile per-packet one-way delay: 15.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.03 Mbit/s
95th percentile per-packet one-way delay: 15.406 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 15.461 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.20 Mbit/s
95th percentile per-packet one-way delay: 15.617 ms
Loss rate: 0.01%
```

Run 7: Report of Vivace-latency — Data Link

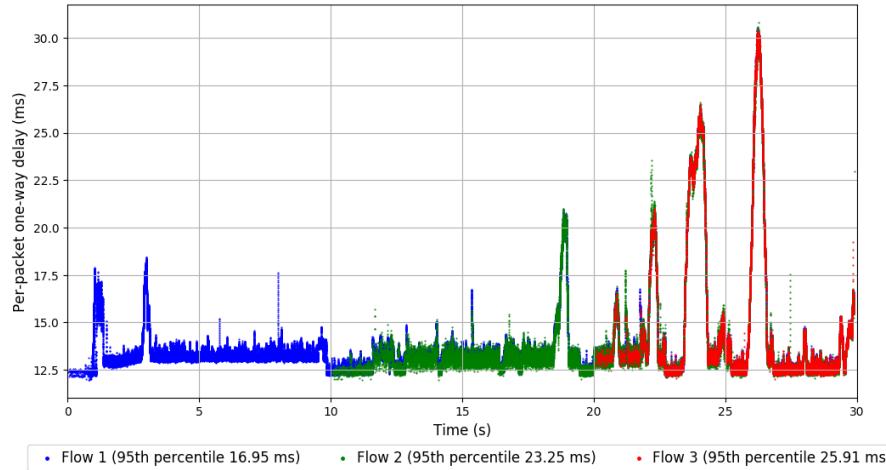
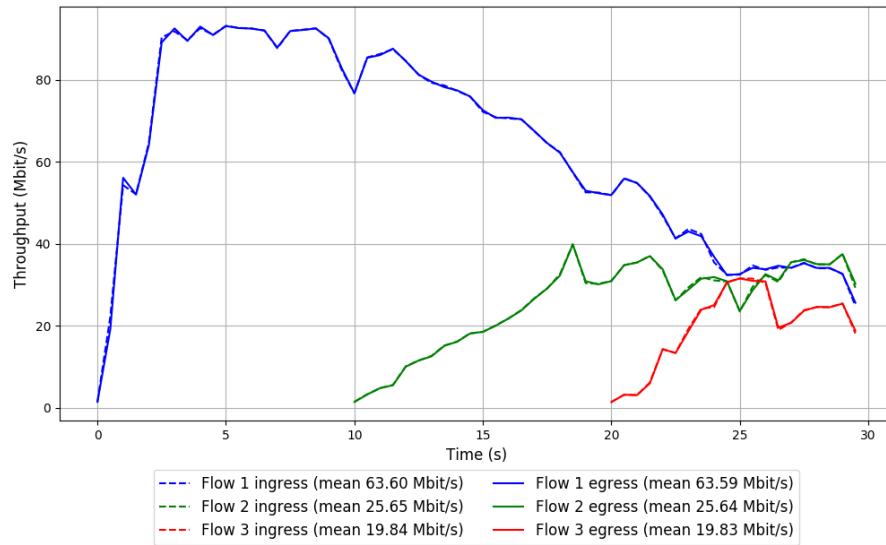


Run 8: Statistics of Vivace-latency

```
Start at: 2018-02-28 06:13:16
End at: 2018-02-28 06:13:46
Local clock offset: 0.983 ms
Remote clock offset: -5.248 ms

# Below is generated by plot.py at 2018-02-28 08:03:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.16 Mbit/s
95th percentile per-packet one-way delay: 20.060 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.59 Mbit/s
95th percentile per-packet one-way delay: 16.954 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 25.64 Mbit/s
95th percentile per-packet one-way delay: 23.255 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.83 Mbit/s
95th percentile per-packet one-way delay: 25.914 ms
Loss rate: 0.00%
```

Run 8: Report of Vivace-latency — Data Link

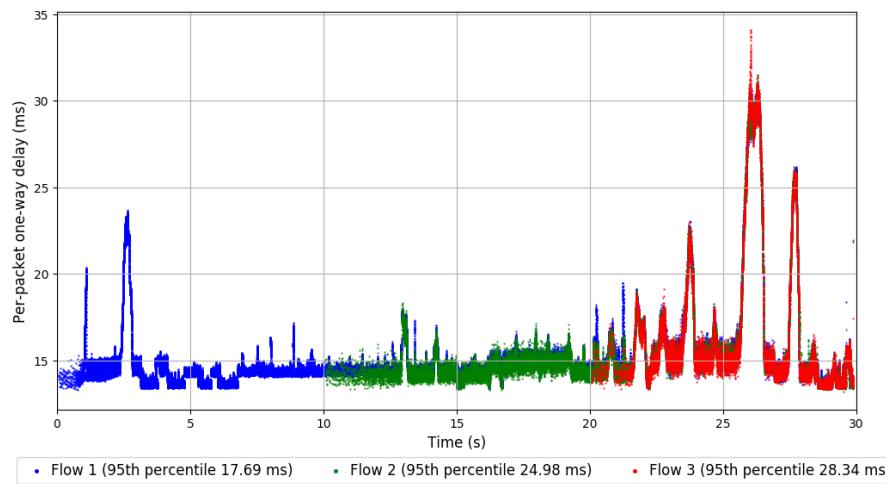
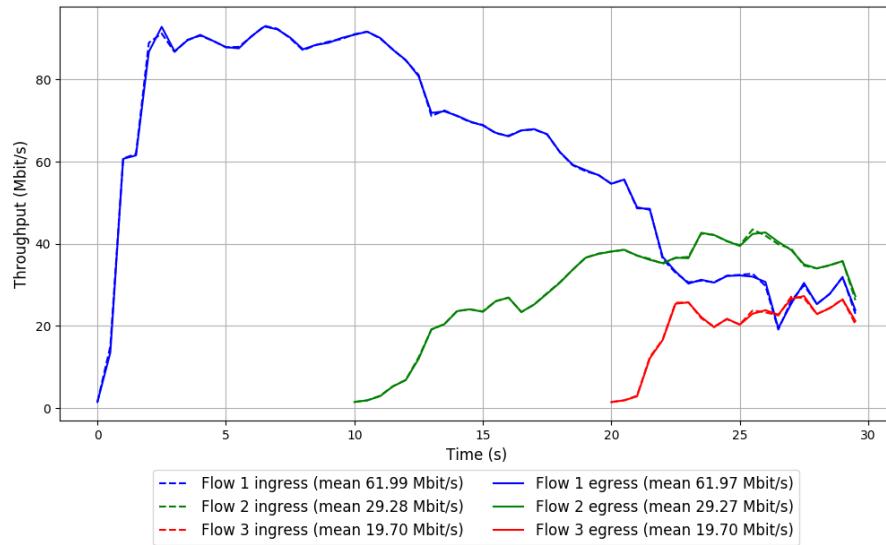


Run 9: Statistics of Vivace-latency

```
Start at: 2018-02-28 06:34:36
End at: 2018-02-28 06:35:06
Local clock offset: -0.315 ms
Remote clock offset: -7.891 ms

# Below is generated by plot.py at 2018-02-28 08:03:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.93 Mbit/s
95th percentile per-packet one-way delay: 21.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.97 Mbit/s
95th percentile per-packet one-way delay: 17.691 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.27 Mbit/s
95th percentile per-packet one-way delay: 24.984 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.70 Mbit/s
95th percentile per-packet one-way delay: 28.339 ms
Loss rate: 0.00%
```

Run 9: Report of Vivace-latency — Data Link

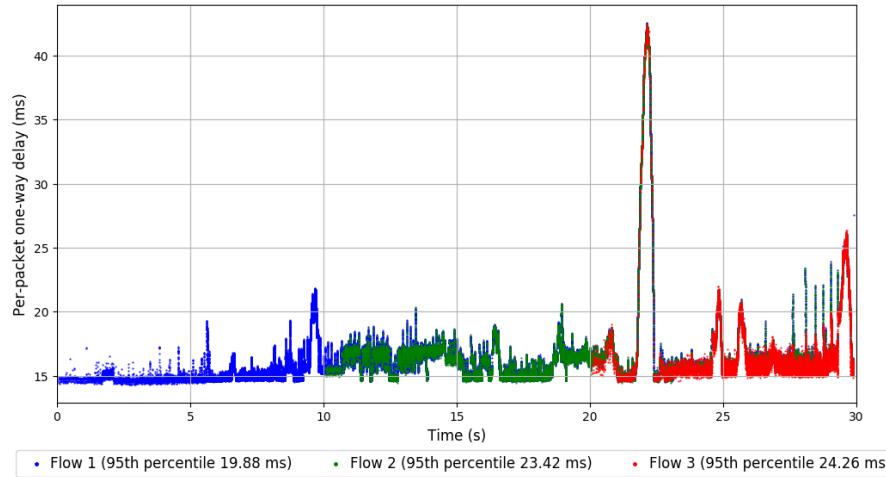
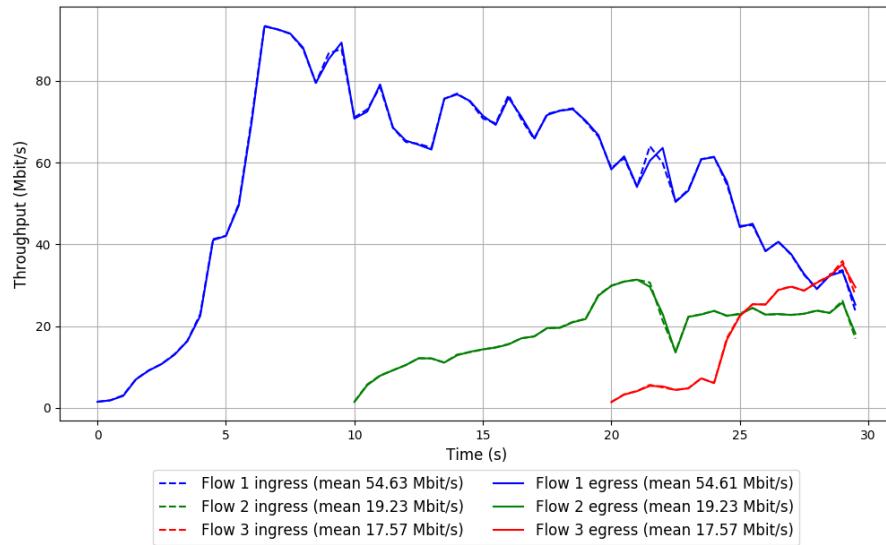


Run 10: Statistics of Vivace-latency

```
Start at: 2018-02-28 06:55:54
End at: 2018-02-28 06:56:24
Local clock offset: -0.537 ms
Remote clock offset: -3.855 ms

# Below is generated by plot.py at 2018-02-28 08:03:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.18 Mbit/s
95th percentile per-packet one-way delay: 20.560 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.61 Mbit/s
95th percentile per-packet one-way delay: 19.882 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 19.23 Mbit/s
95th percentile per-packet one-way delay: 23.416 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.57 Mbit/s
95th percentile per-packet one-way delay: 24.259 ms
Loss rate: 0.00%
```

Run 10: Report of Vivace-latency — Data Link

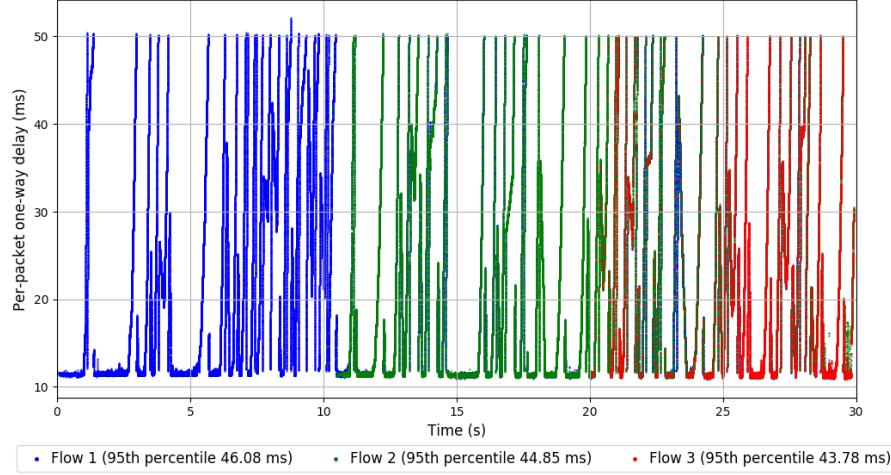
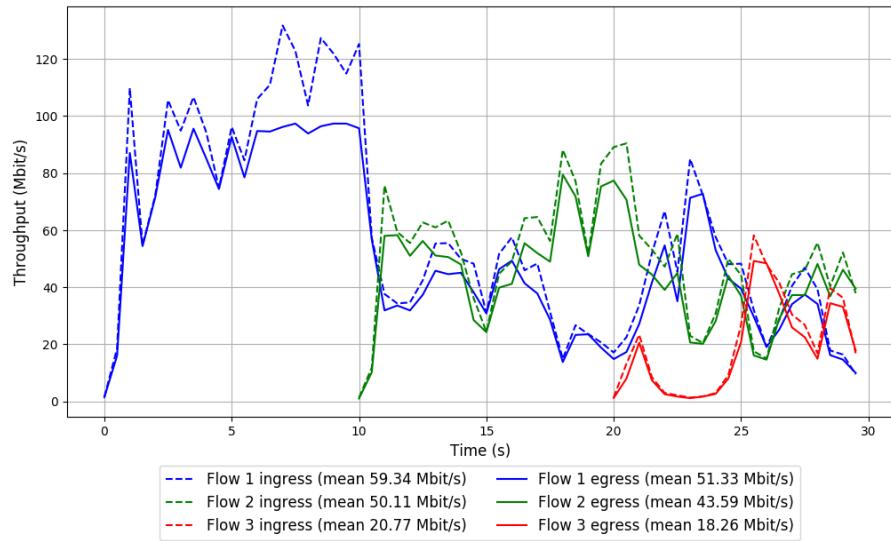


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-28 03:50:26
End at: 2018-02-28 03:50:56
Local clock offset: 2.939 ms
Remote clock offset: 4.652 ms

# Below is generated by plot.py at 2018-02-28 08:04:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 45.674 ms
Loss rate: 13.18%
-- Flow 1:
Average throughput: 51.33 Mbit/s
95th percentile per-packet one-way delay: 46.081 ms
Loss rate: 13.45%
-- Flow 2:
Average throughput: 43.59 Mbit/s
95th percentile per-packet one-way delay: 44.853 ms
Loss rate: 12.97%
-- Flow 3:
Average throughput: 18.26 Mbit/s
95th percentile per-packet one-way delay: 43.784 ms
Loss rate: 11.90%
```

Run 1: Report of Vivace-loss — Data Link

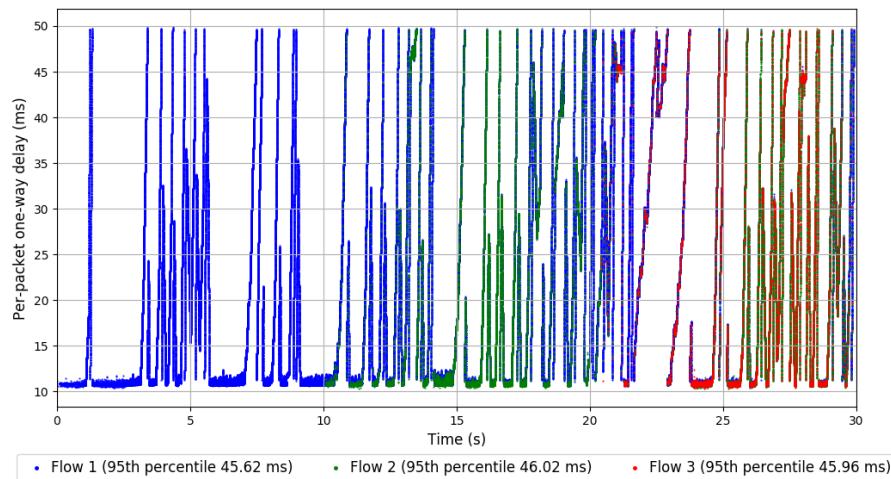
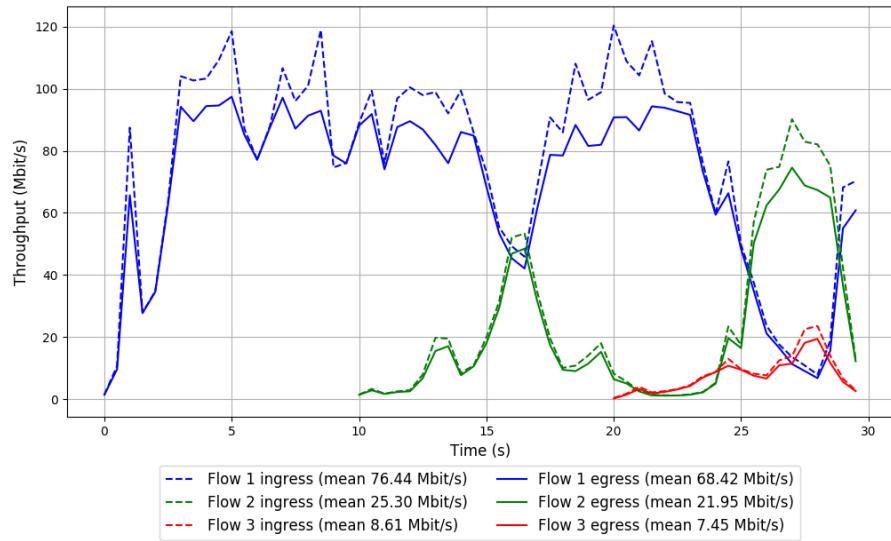


Run 2: Statistics of Vivace-loss

```
Start at: 2018-02-28 04:12:02
End at: 2018-02-28 04:12:32
Local clock offset: 3.937 ms
Remote clock offset: 12.931 ms

# Below is generated by plot.py at 2018-02-28 08:04:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.47 Mbit/s
95th percentile per-packet one-way delay: 45.682 ms
Loss rate: 11.00%
-- Flow 1:
Average throughput: 68.42 Mbit/s
95th percentile per-packet one-way delay: 45.623 ms
Loss rate: 10.43%
-- Flow 2:
Average throughput: 21.95 Mbit/s
95th percentile per-packet one-way delay: 46.019 ms
Loss rate: 13.16%
-- Flow 3:
Average throughput: 7.45 Mbit/s
95th percentile per-packet one-way delay: 45.961 ms
Loss rate: 13.50%
```

Run 2: Report of Vivace-loss — Data Link

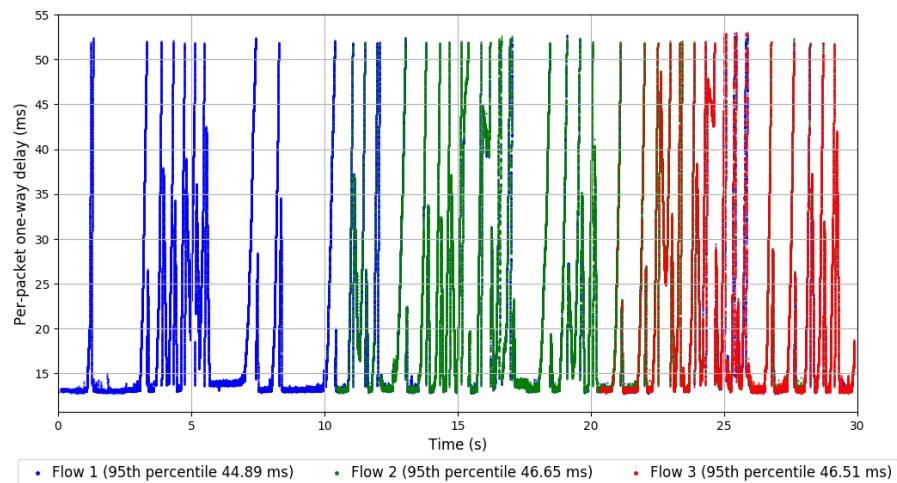
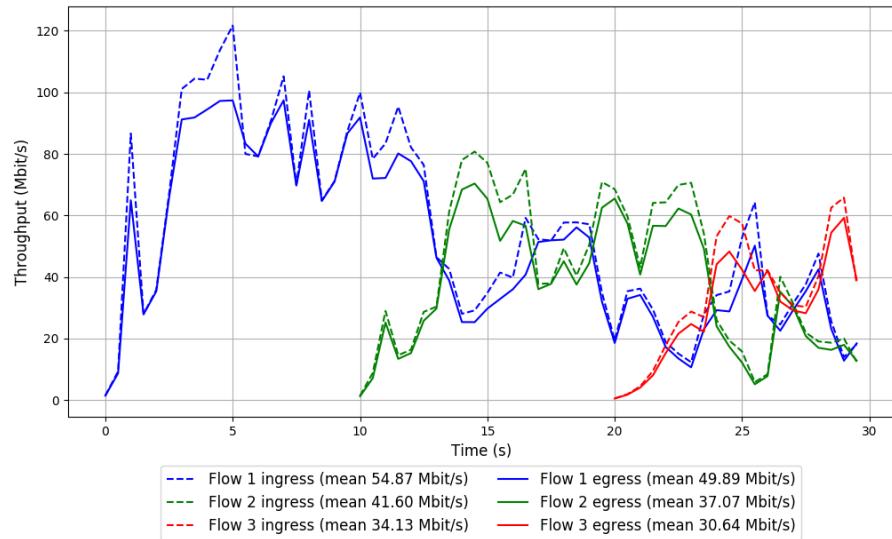


Run 3: Statistics of Vivace-loss

```
Start at: 2018-02-28 04:33:36
End at: 2018-02-28 04:34:06
Local clock offset: 2.901 ms
Remote clock offset: 18.295 ms

# Below is generated by plot.py at 2018-02-28 08:04:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 45.757 ms
Loss rate: 10.01%
-- Flow 1:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 44.893 ms
Loss rate: 9.06%
-- Flow 2:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 46.650 ms
Loss rate: 10.88%
-- Flow 3:
Average throughput: 30.64 Mbit/s
95th percentile per-packet one-way delay: 46.512 ms
Loss rate: 12.49%
```

Run 3: Report of Vivace-loss — Data Link

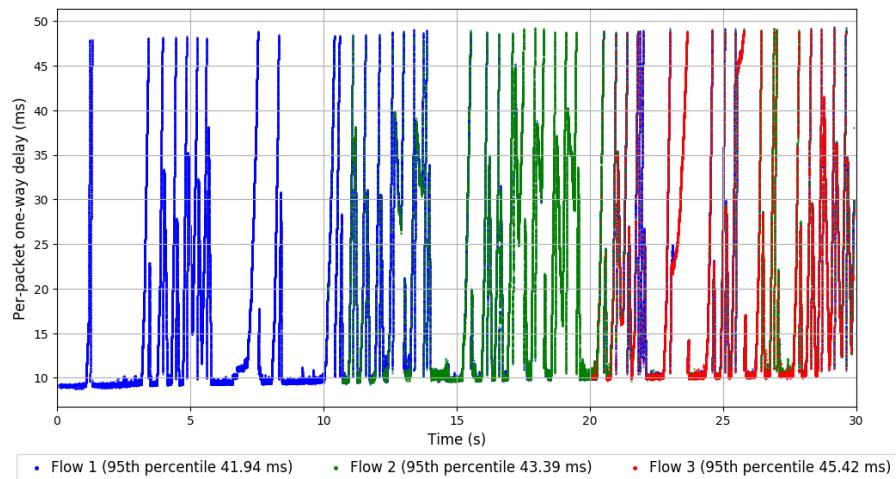
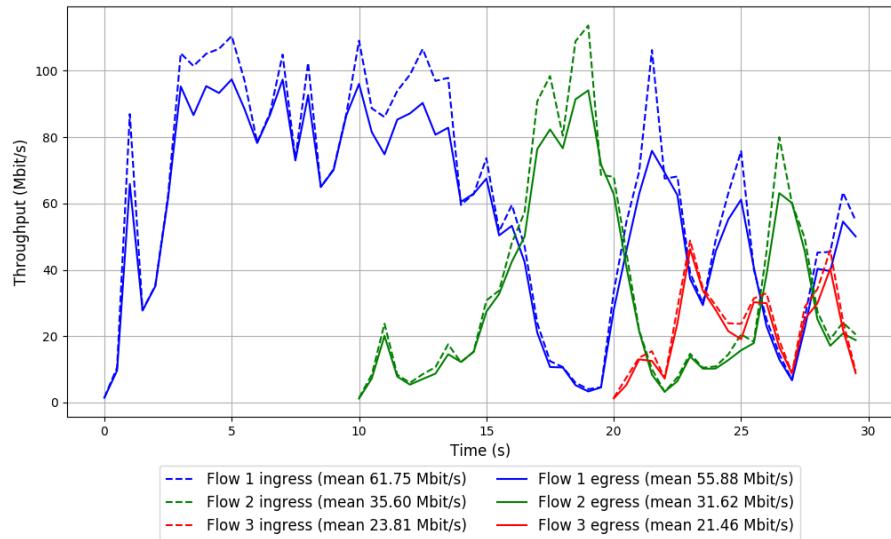


Run 4: Statistics of Vivace-loss

```
Start at: 2018-02-28 04:55:01
End at: 2018-02-28 04:55:31
Local clock offset: 5.182 ms
Remote clock offset: 19.014 ms

# Below is generated by plot.py at 2018-02-28 08:04:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: 42.818 ms
Loss rate: 9.87%
-- Flow 1:
Average throughput: 55.88 Mbit/s
95th percentile per-packet one-way delay: 41.939 ms
Loss rate: 9.45%
-- Flow 2:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 43.392 ms
Loss rate: 11.05%
-- Flow 3:
Average throughput: 21.46 Mbit/s
95th percentile per-packet one-way delay: 45.417 ms
Loss rate: 9.67%
```

Run 4: Report of Vivace-loss — Data Link

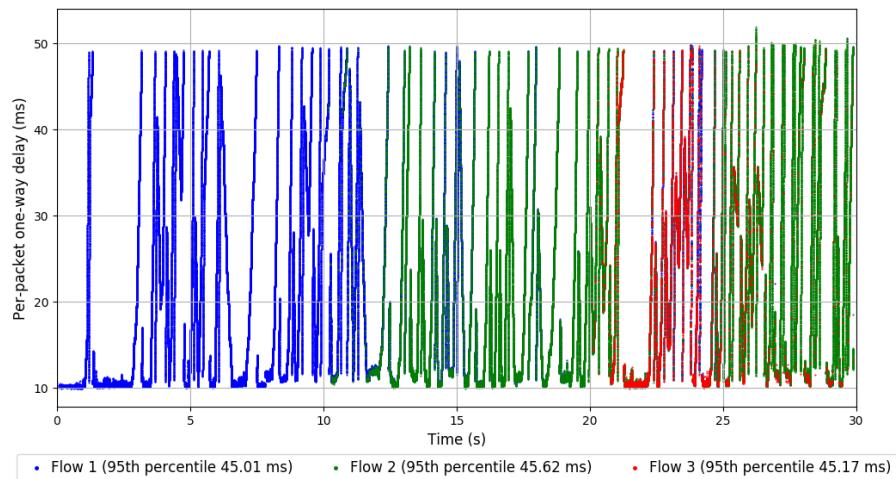
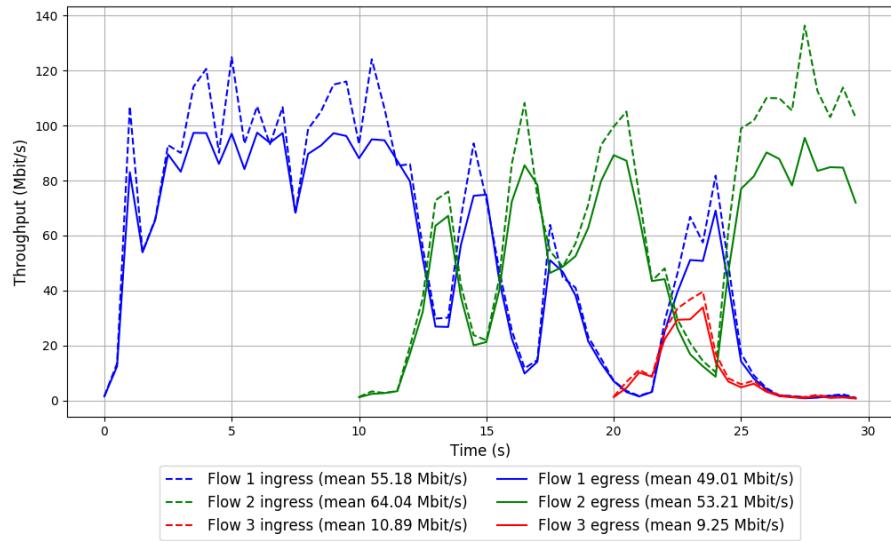


Run 5: Statistics of Vivace-loss

```
Start at: 2018-02-28 05:16:26
End at: 2018-02-28 05:16:56
Local clock offset: 2.648 ms
Remote clock offset: -4.928 ms

# Below is generated by plot.py at 2018-02-28 08:04:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.38 Mbit/s
95th percentile per-packet one-way delay: 45.260 ms
Loss rate: 13.76%
-- Flow 1:
Average throughput: 49.01 Mbit/s
95th percentile per-packet one-way delay: 45.007 ms
Loss rate: 11.17%
-- Flow 2:
Average throughput: 53.21 Mbit/s
95th percentile per-packet one-way delay: 45.616 ms
Loss rate: 17.00%
-- Flow 3:
Average throughput: 9.25 Mbit/s
95th percentile per-packet one-way delay: 45.175 ms
Loss rate: 15.19%
```

Run 5: Report of Vivace-loss — Data Link

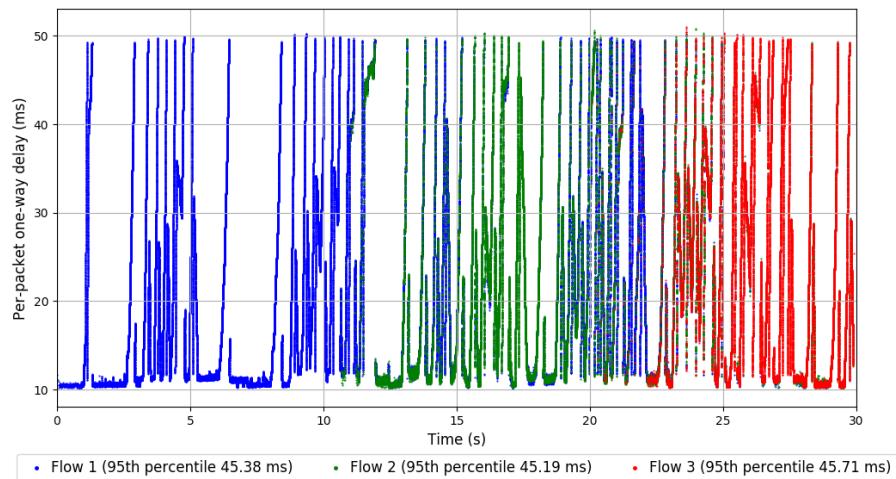
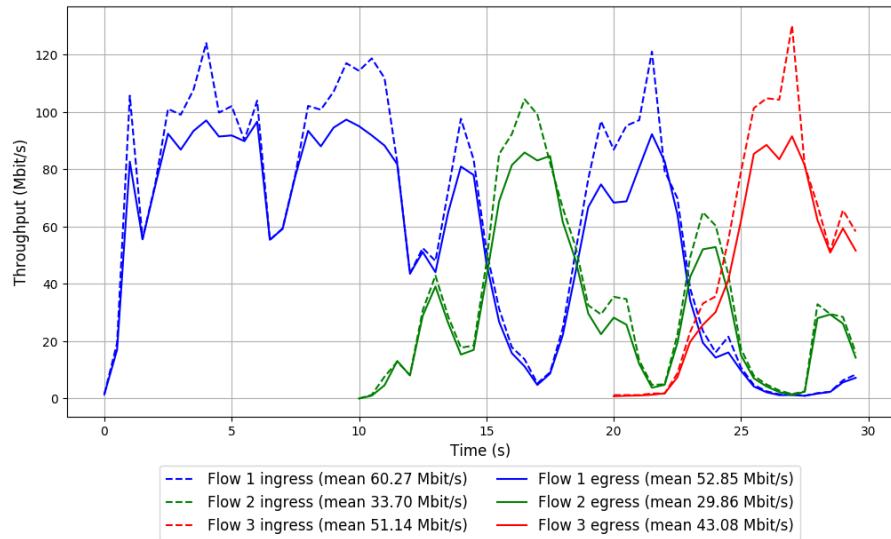


Run 6: Statistics of Vivace-loss

```
Start at: 2018-02-28 05:37:44
End at: 2018-02-28 05:38:14
Local clock offset: 2.565 ms
Remote clock offset: -4.178 ms

# Below is generated by plot.py at 2018-02-28 08:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.59 Mbit/s
95th percentile per-packet one-way delay: 45.320 ms
Loss rate: 12.98%
-- Flow 1:
Average throughput: 52.85 Mbit/s
95th percentile per-packet one-way delay: 45.380 ms
Loss rate: 12.31%
-- Flow 2:
Average throughput: 29.86 Mbit/s
95th percentile per-packet one-way delay: 45.185 ms
Loss rate: 12.60%
-- Flow 3:
Average throughput: 43.08 Mbit/s
95th percentile per-packet one-way delay: 45.709 ms
Loss rate: 15.90%
```

Run 6: Report of Vivace-loss — Data Link

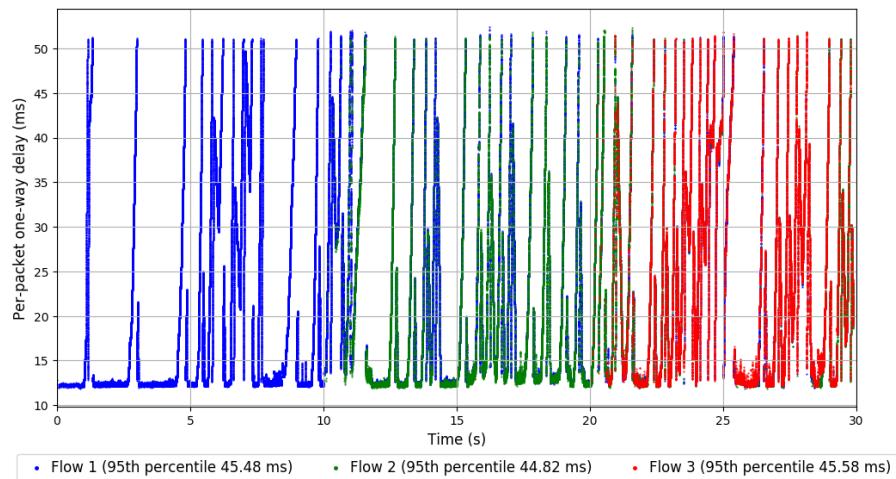
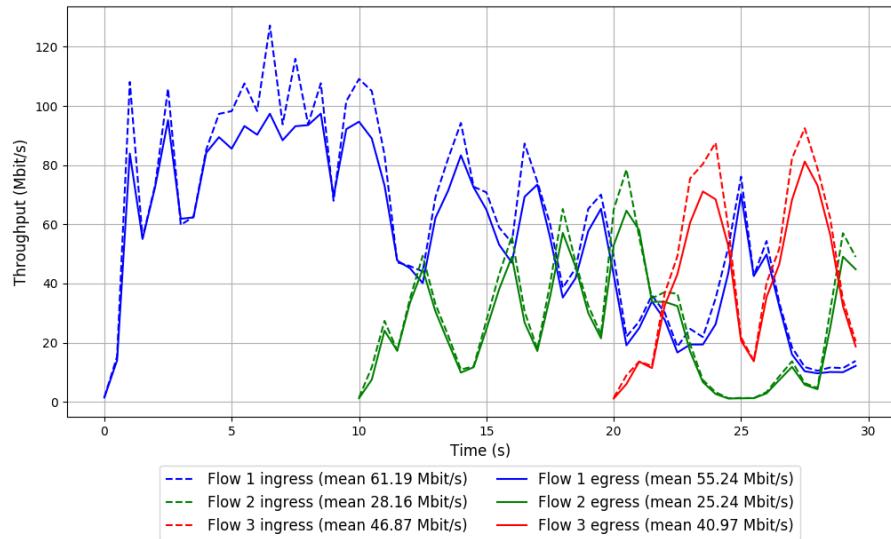


Run 7: Statistics of Vivace-loss

```
Start at: 2018-02-28 05:59:05
End at: 2018-02-28 05:59:35
Local clock offset: -3.142 ms
Remote clock offset: -8.963 ms

# Below is generated by plot.py at 2018-02-28 08:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 45.353 ms
Loss rate: 10.29%
-- Flow 1:
Average throughput: 55.24 Mbit/s
95th percentile per-packet one-way delay: 45.477 ms
Loss rate: 9.70%
-- Flow 2:
Average throughput: 25.24 Mbit/s
95th percentile per-packet one-way delay: 44.822 ms
Loss rate: 10.35%
-- Flow 3:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 45.578 ms
Loss rate: 12.53%
```

Run 7: Report of Vivace-loss — Data Link

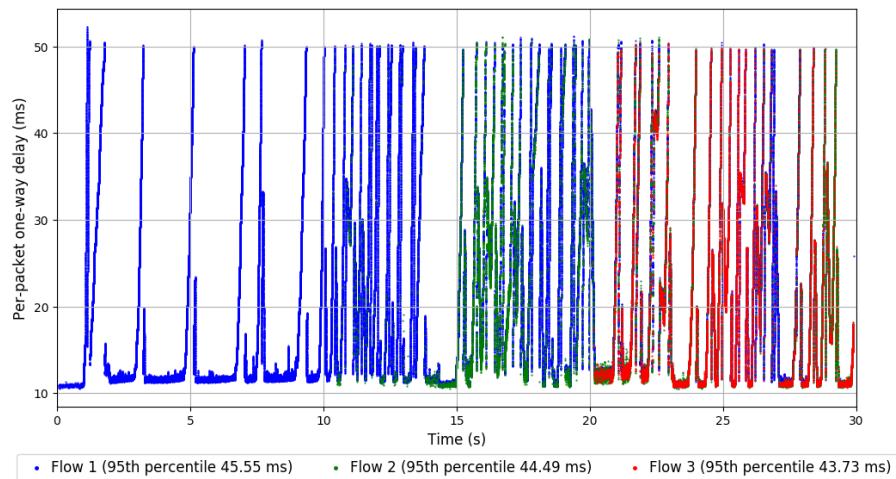
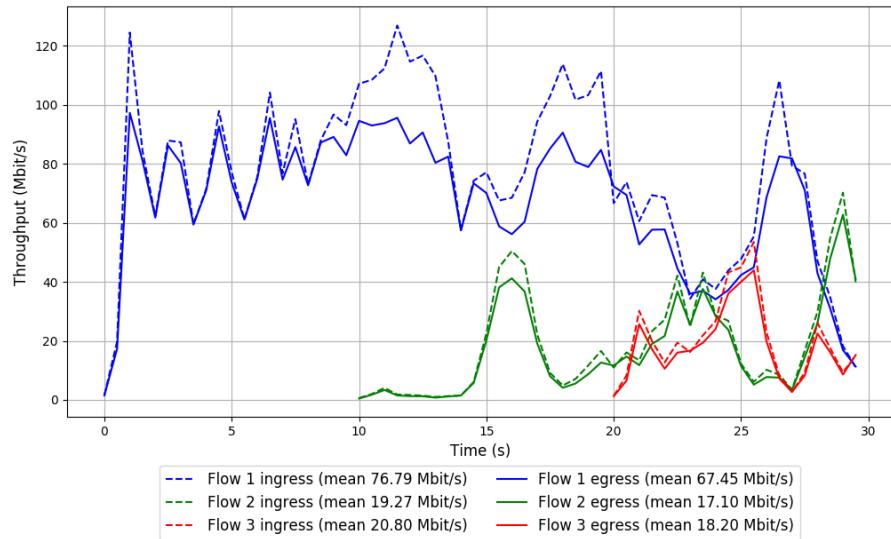


Run 8: Statistics of Vivace-loss

```
Start at: 2018-02-28 06:20:19
End at: 2018-02-28 06:20:49
Local clock offset: 2.494 ms
Remote clock offset: -5.911 ms

# Below is generated by plot.py at 2018-02-28 08:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.65 Mbit/s
95th percentile per-packet one-way delay: 45.297 ms
Loss rate: 12.20%
-- Flow 1:
Average throughput: 67.45 Mbit/s
95th percentile per-packet one-way delay: 45.546 ms
Loss rate: 12.13%
-- Flow 2:
Average throughput: 17.10 Mbit/s
95th percentile per-packet one-way delay: 44.495 ms
Loss rate: 12.35%
-- Flow 3:
Average throughput: 18.20 Mbit/s
95th percentile per-packet one-way delay: 43.731 ms
Loss rate: 12.68%
```

Run 8: Report of Vivace-loss — Data Link

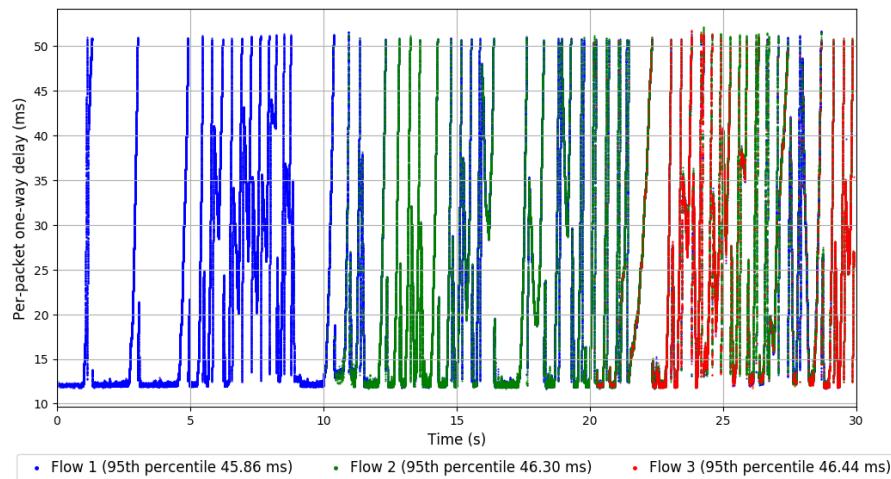
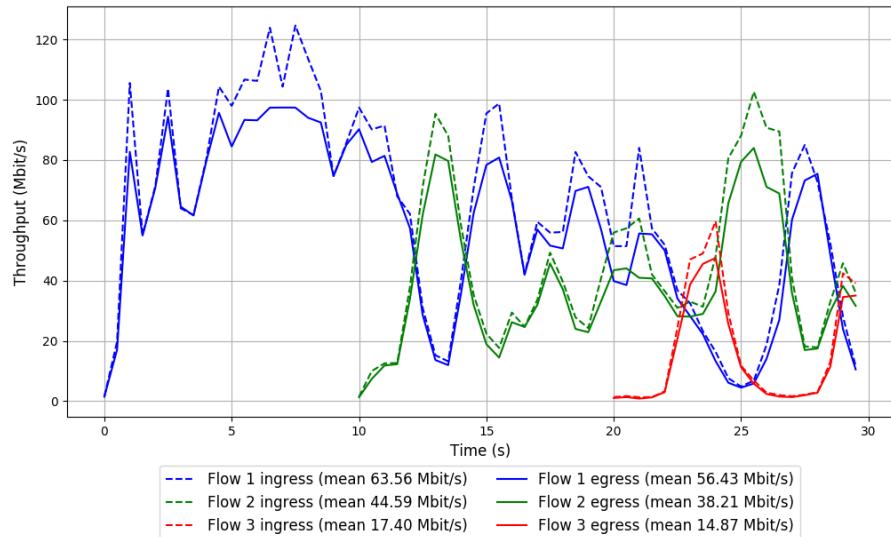


Run 9: Statistics of Vivace-loss

```
Start at: 2018-02-28 06:41:41
End at: 2018-02-28 06:42:11
Local clock offset: 1.242 ms
Remote clock offset: -5.961 ms

# Below is generated by plot.py at 2018-02-28 08:05:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 46.031 ms
Loss rate: 12.29%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 45.860 ms
Loss rate: 11.19%
-- Flow 2:
Average throughput: 38.21 Mbit/s
95th percentile per-packet one-way delay: 46.302 ms
Loss rate: 14.26%
-- Flow 3:
Average throughput: 14.87 Mbit/s
95th percentile per-packet one-way delay: 46.439 ms
Loss rate: 14.38%
```

Run 9: Report of Vivace-loss — Data Link

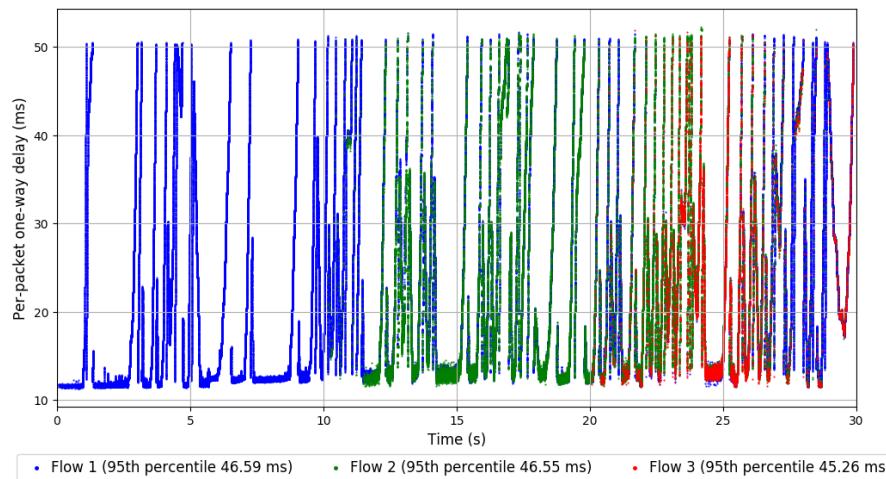
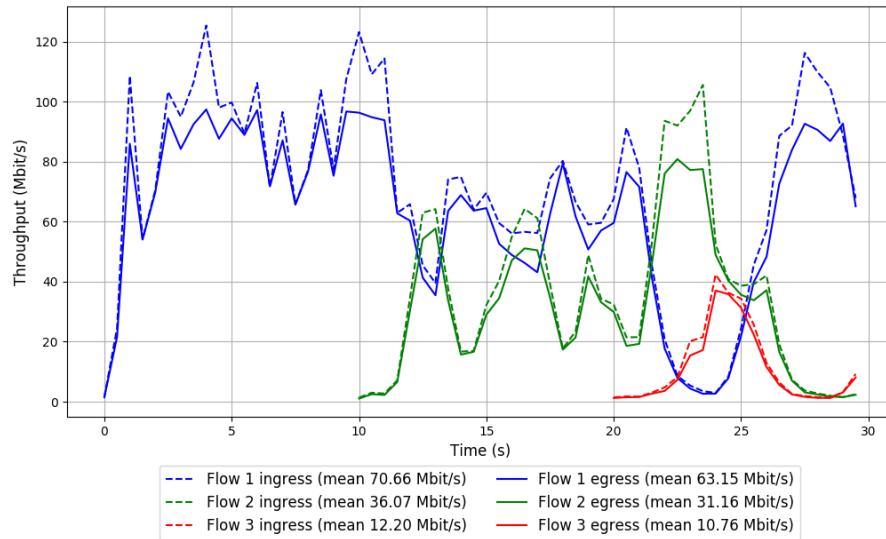


Run 10: Statistics of Vivace-loss

```
Start at: 2018-02-28 07:03:15
End at: 2018-02-28 07:03:45
Local clock offset: 3.32 ms
Remote clock offset: -3.303 ms

# Below is generated by plot.py at 2018-02-28 08:06:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 46.533 ms
Loss rate: 11.39%
-- Flow 1:
Average throughput: 63.15 Mbit/s
95th percentile per-packet one-way delay: 46.585 ms
Loss rate: 10.61%
-- Flow 2:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 46.553 ms
Loss rate: 13.62%
-- Flow 3:
Average throughput: 10.76 Mbit/s
95th percentile per-packet one-way delay: 45.257 ms
Loss rate: 11.79%
```

Run 10: Report of Vivace-loss — Data Link

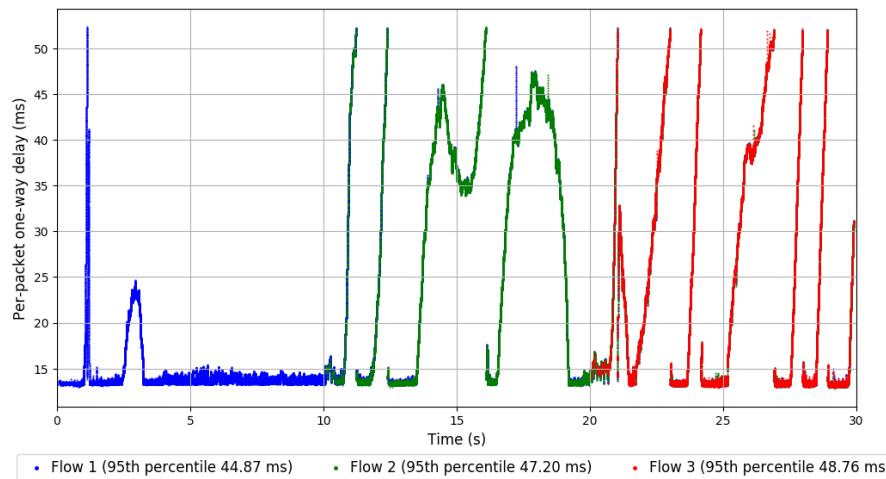
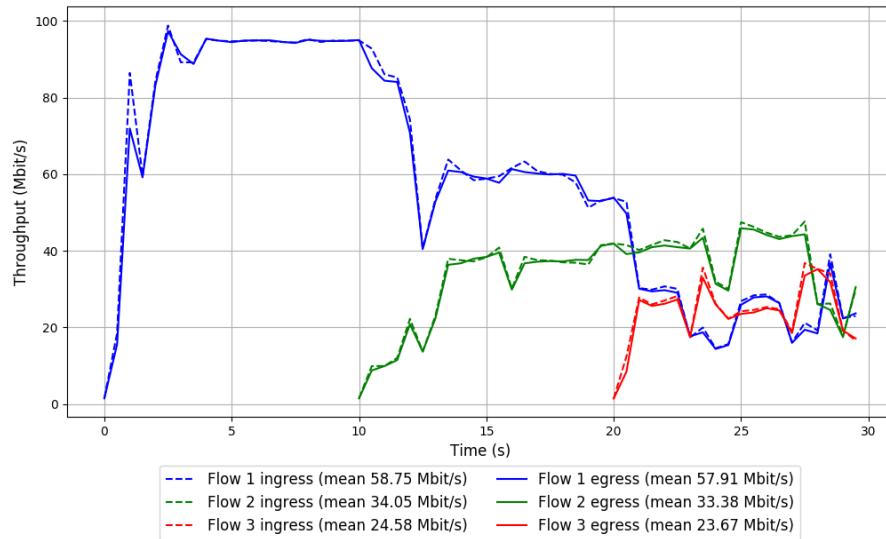


Run 1: Statistics of Vivace-LTE

```
Start at: 2018-02-28 03:45:42
End at: 2018-02-28 03:46:12
Local clock offset: 1.758 ms
Remote clock offset: 1.84 ms

# Below is generated by plot.py at 2018-02-28 08:06:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.93 Mbit/s
95th percentile per-packet one-way delay: 46.097 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 57.91 Mbit/s
95th percentile per-packet one-way delay: 44.872 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 33.38 Mbit/s
95th percentile per-packet one-way delay: 47.203 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 23.67 Mbit/s
95th percentile per-packet one-way delay: 48.755 ms
Loss rate: 3.53%
```

Run 1: Report of Vivace-LTE — Data Link

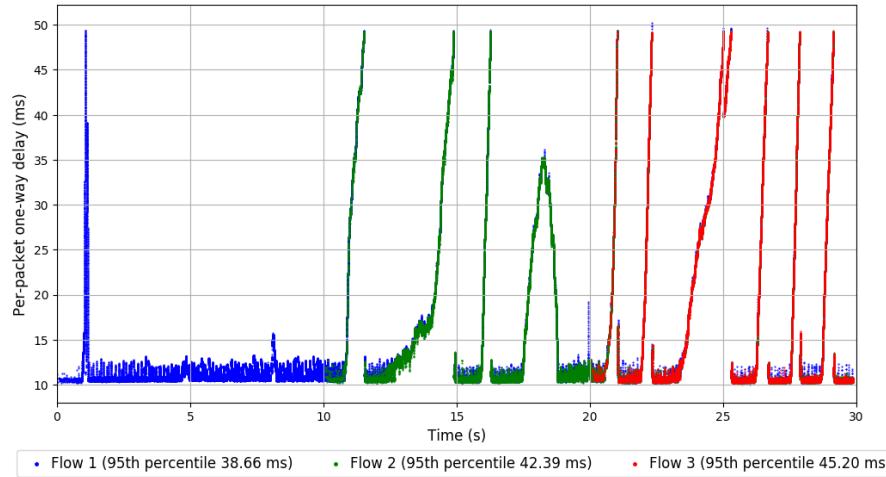
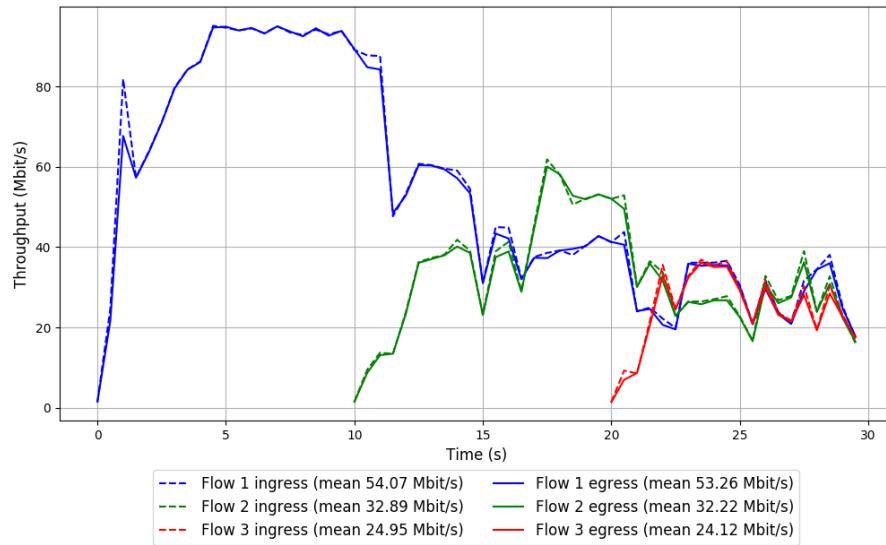


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-02-28 04:07:13
End at: 2018-02-28 04:07:43
Local clock offset: 5.333 ms
Remote clock offset: 13.014 ms

# Below is generated by plot.py at 2018-02-28 08:06:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.62 Mbit/s
95th percentile per-packet one-way delay: 41.206 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 53.26 Mbit/s
95th percentile per-packet one-way delay: 38.660 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 32.22 Mbit/s
95th percentile per-packet one-way delay: 42.388 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: 45.204 ms
Loss rate: 3.35%
```

Run 2: Report of Vivace-LTE — Data Link

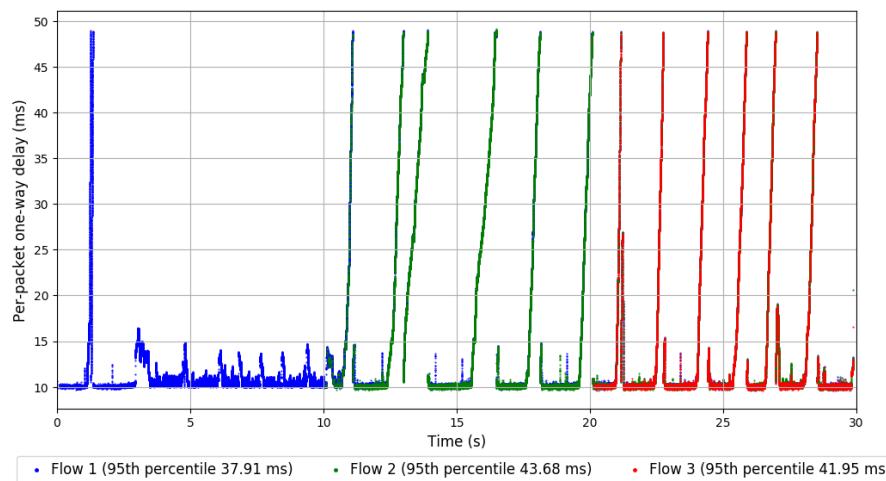
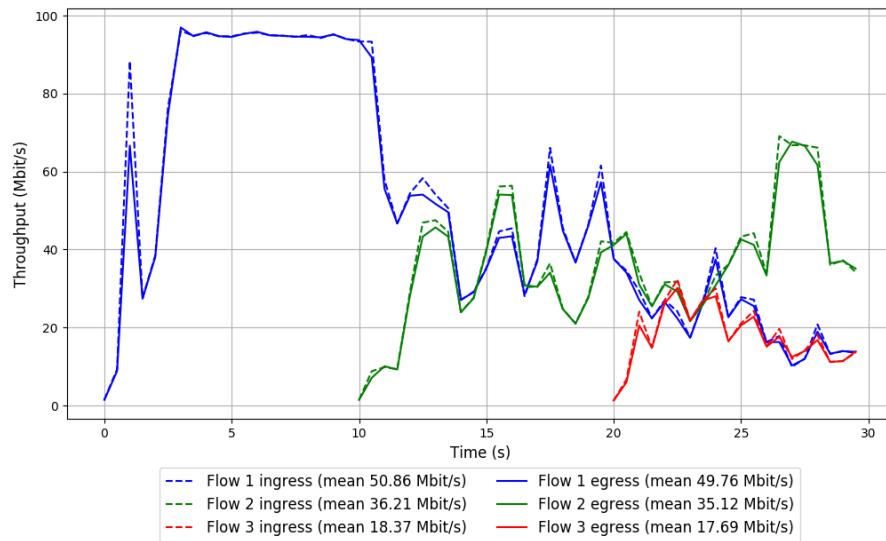


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-02-28 04:28:50
End at: 2018-02-28 04:29:20
Local clock offset: 4.042 ms
Remote clock offset: 15.699 ms

# Below is generated by plot.py at 2018-02-28 08:06:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.91 Mbit/s
95th percentile per-packet one-way delay: 41.042 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 49.76 Mbit/s
95th percentile per-packet one-way delay: 37.914 ms
Loss rate: 2.15%
-- Flow 2:
Average throughput: 35.12 Mbit/s
95th percentile per-packet one-way delay: 43.684 ms
Loss rate: 2.98%
-- Flow 3:
Average throughput: 17.69 Mbit/s
95th percentile per-packet one-way delay: 41.948 ms
Loss rate: 4.00%
```

Run 3: Report of Vivace-LTE — Data Link

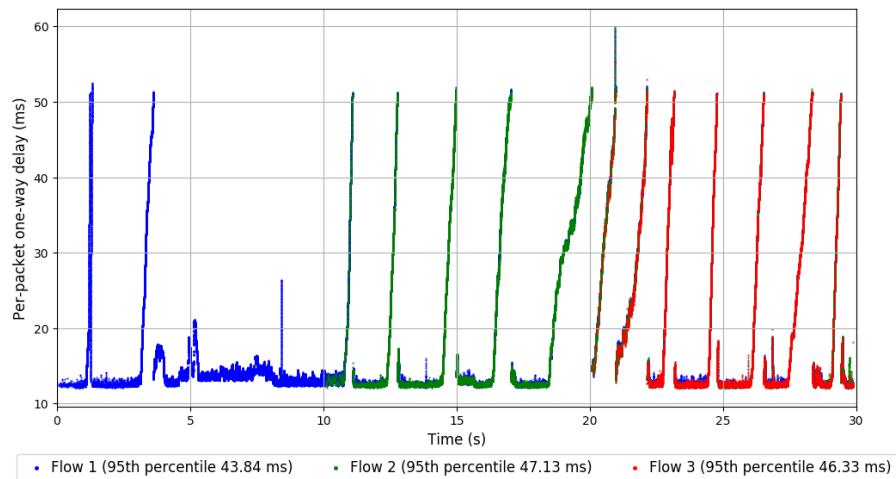
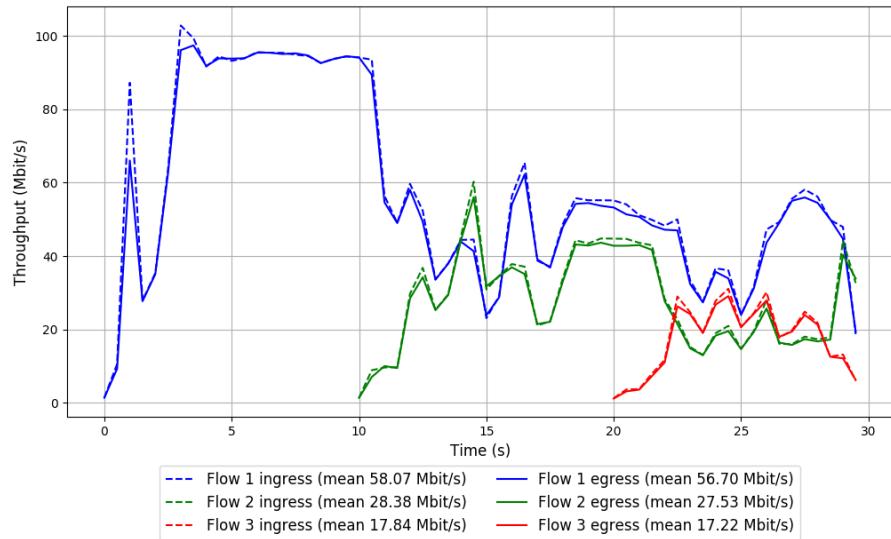


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-02-28 04:50:13
End at: 2018-02-28 04:50:43
Local clock offset: 2.172 ms
Remote clock offset: 20.712 ms

# Below is generated by plot.py at 2018-02-28 08:06:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.65 Mbit/s
95th percentile per-packet one-way delay: 45.217 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 56.70 Mbit/s
95th percentile per-packet one-way delay: 43.840 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 27.53 Mbit/s
95th percentile per-packet one-way delay: 47.133 ms
Loss rate: 3.01%
-- Flow 3:
Average throughput: 17.22 Mbit/s
95th percentile per-packet one-way delay: 46.330 ms
Loss rate: 3.78%
```

Run 4: Report of Vivace-LTE — Data Link

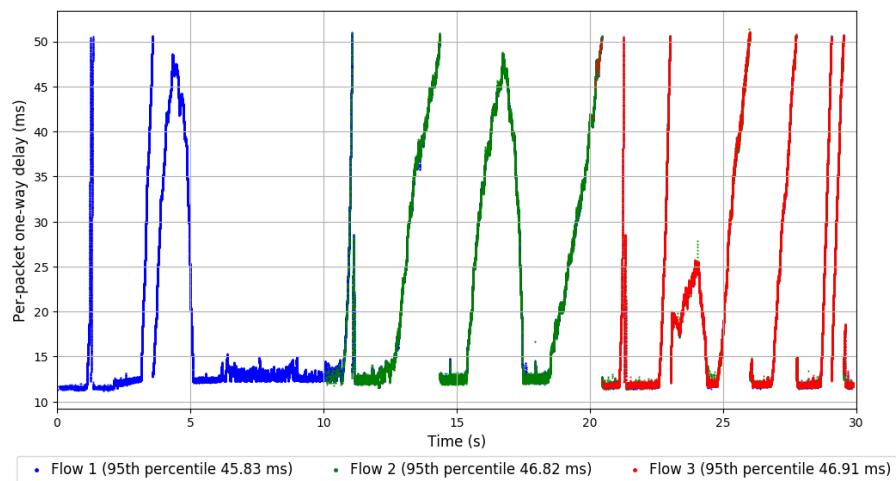
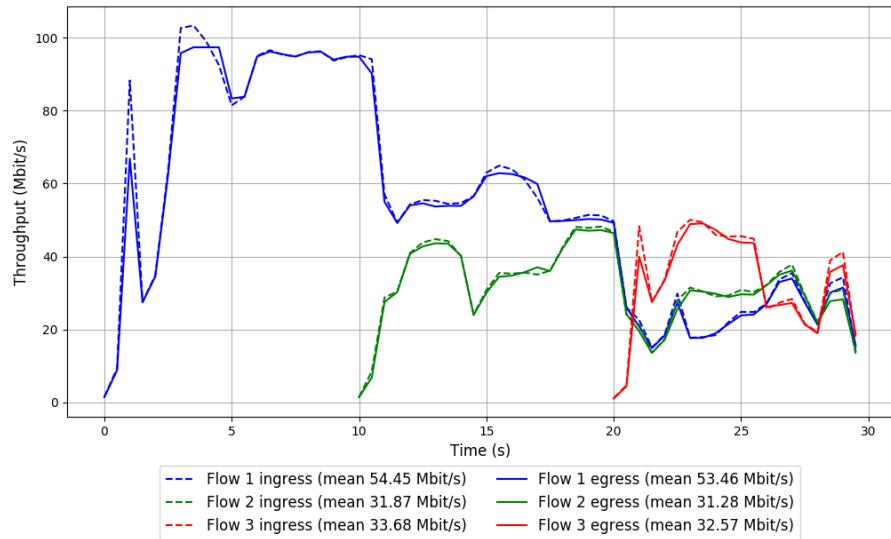


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-02-28 05:11:38
End at: 2018-02-28 05:12:08
Local clock offset: 3.215 ms
Remote clock offset: -1.291 ms

# Below is generated by plot.py at 2018-02-28 08:06:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.96 Mbit/s
95th percentile per-packet one-way delay: 46.311 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 53.46 Mbit/s
95th percentile per-packet one-way delay: 45.831 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 46.816 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 46.913 ms
Loss rate: 3.58%
```

Run 5: Report of Vivace-LTE — Data Link

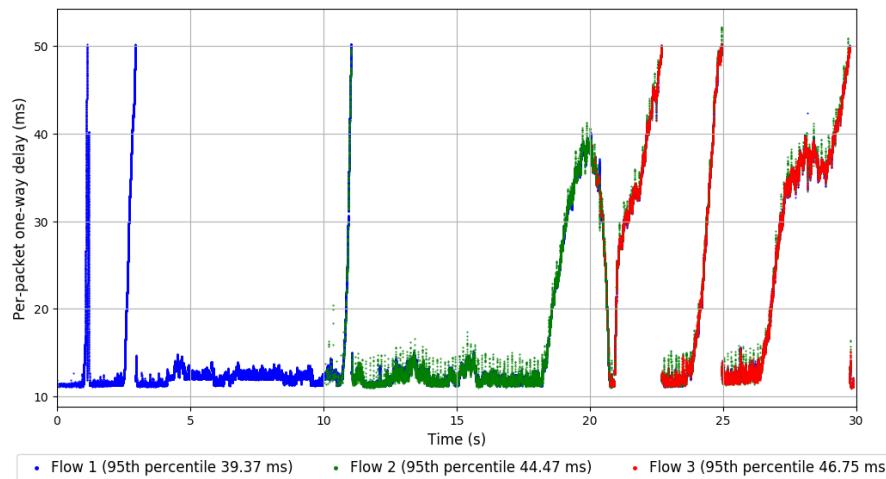
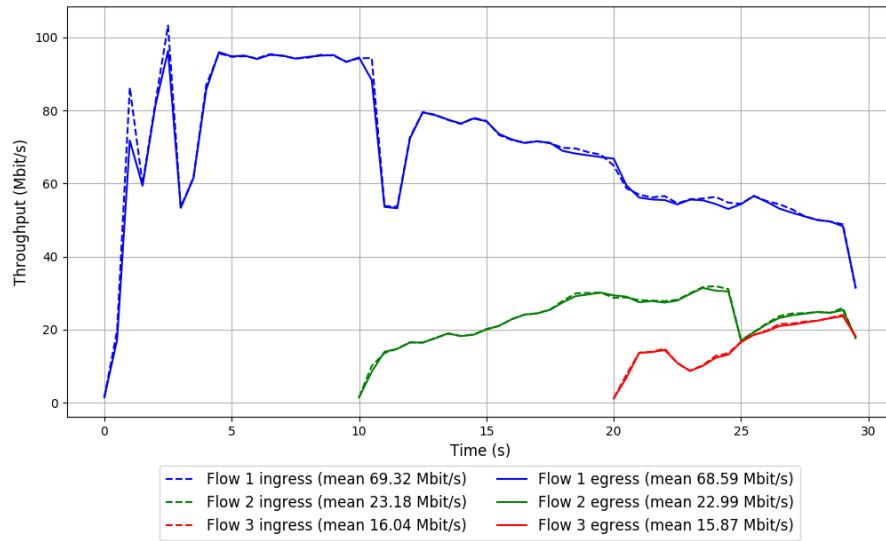


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-02-28 05:32:55
End at: 2018-02-28 05:33:25
Local clock offset: 0.365 ms
Remote clock offset: -6.578 ms

# Below is generated by plot.py at 2018-02-28 08:06:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.09 Mbit/s
95th percentile per-packet one-way delay: 41.615 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 68.59 Mbit/s
95th percentile per-packet one-way delay: 39.370 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 22.99 Mbit/s
95th percentile per-packet one-way delay: 44.472 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 15.87 Mbit/s
95th percentile per-packet one-way delay: 46.747 ms
Loss rate: 1.30%
```

Run 6: Report of Vivace-LTE — Data Link

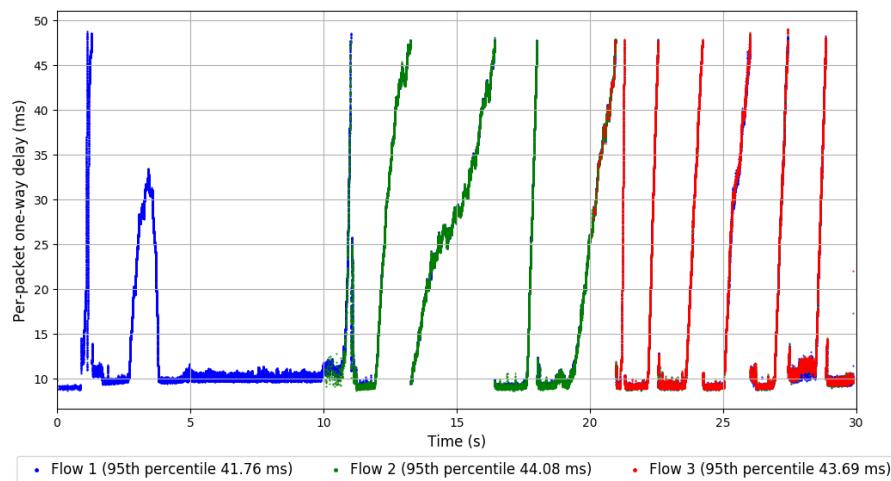
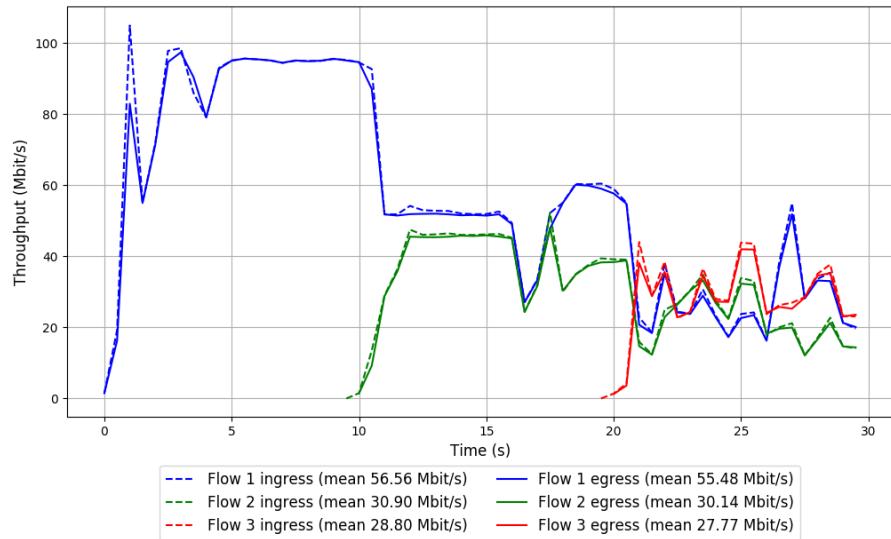


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-02-28 05:54:24
End at: 2018-02-28 05:54:54
Local clock offset: 4.275 ms
Remote clock offset: -4.319 ms

# Below is generated by plot.py at 2018-02-28 08:06:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 42.945 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 55.48 Mbit/s
95th percentile per-packet one-way delay: 41.763 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 44.084 ms
Loss rate: 2.45%
-- Flow 3:
Average throughput: 27.77 Mbit/s
95th percentile per-packet one-way delay: 43.687 ms
Loss rate: 3.63%
```

Run 7: Report of Vivace-LTE — Data Link

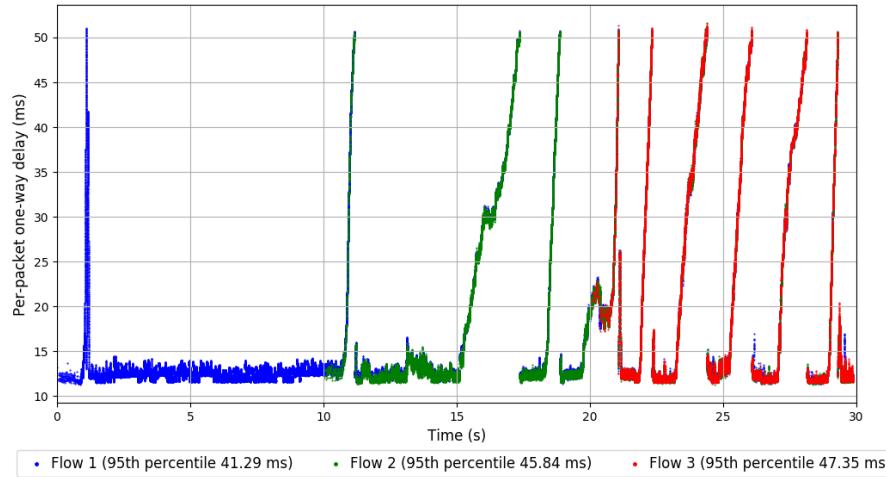
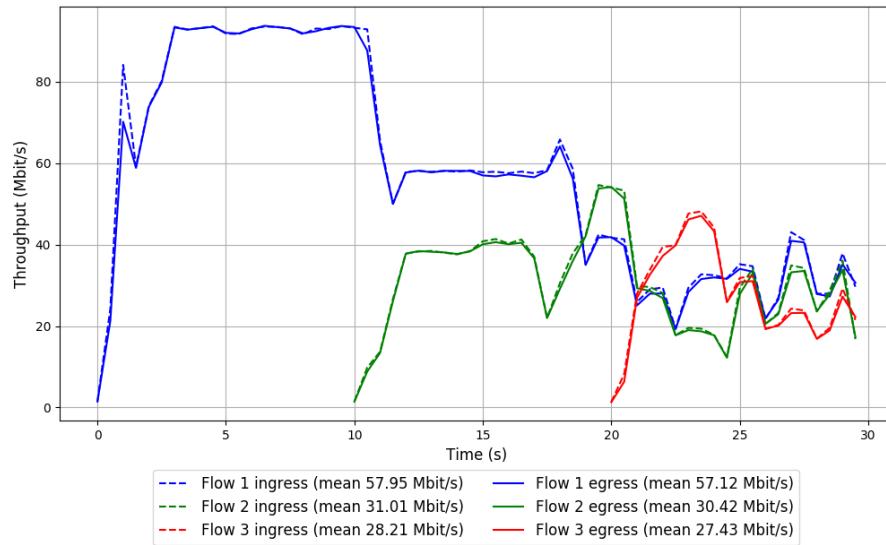


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-02-28 06:15:38
End at: 2018-02-28 06:16:08
Local clock offset: 1.108 ms
Remote clock offset: -6.038 ms

# Below is generated by plot.py at 2018-02-28 08:06:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.38 Mbit/s
95th percentile per-packet one-way delay: 44.423 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 57.12 Mbit/s
95th percentile per-packet one-way delay: 41.292 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 45.838 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 27.43 Mbit/s
95th percentile per-packet one-way delay: 47.353 ms
Loss rate: 2.87%
```

Run 8: Report of Vivace-LTE — Data Link

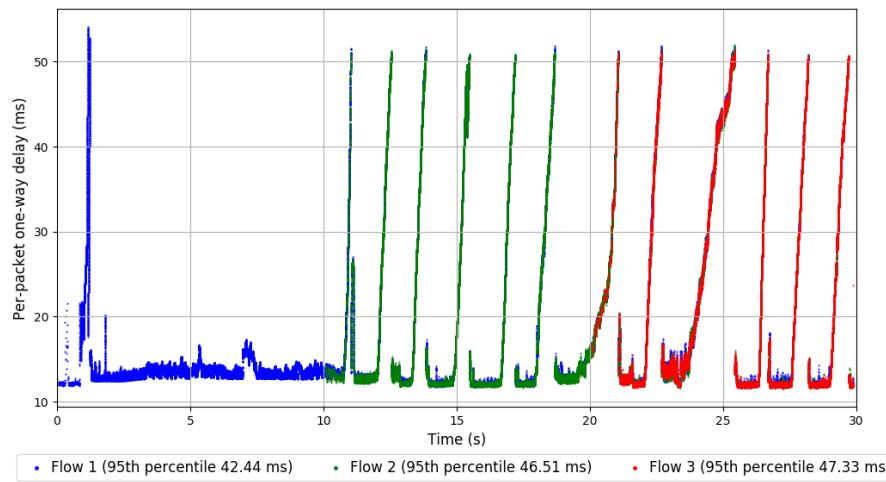
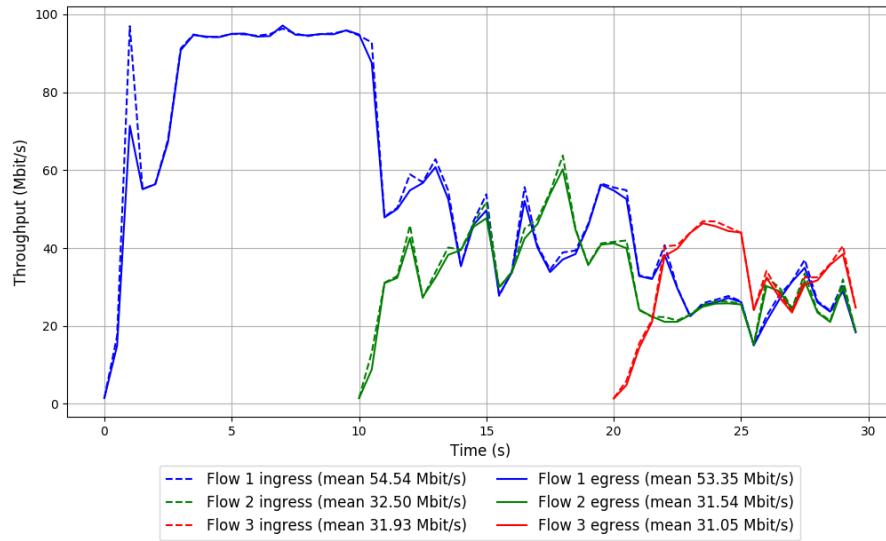


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-02-28 06:36:58
End at: 2018-02-28 06:37:28
Local clock offset: 1.622 ms
Remote clock offset: -7.377 ms

# Below is generated by plot.py at 2018-02-28 08:06:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 44.930 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 53.35 Mbit/s
95th percentile per-packet one-way delay: 42.438 ms
Loss rate: 2.20%
-- Flow 2:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 46.514 ms
Loss rate: 2.97%
-- Flow 3:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 47.327 ms
Loss rate: 2.68%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-02-28 06:58:24
End at: 2018-02-28 06:58:54
Local clock offset: 2.319 ms
Remote clock offset: -3.431 ms

# Below is generated by plot.py at 2018-02-28 08:06:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.06 Mbit/s
95th percentile per-packet one-way delay: 44.731 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 53.18 Mbit/s
95th percentile per-packet one-way delay: 41.992 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 40.16 Mbit/s
95th percentile per-packet one-way delay: 46.654 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 18.76 Mbit/s
95th percentile per-packet one-way delay: 47.838 ms
Loss rate: 3.64%
```

Run 10: Report of Vivace-LTE — Data Link

