

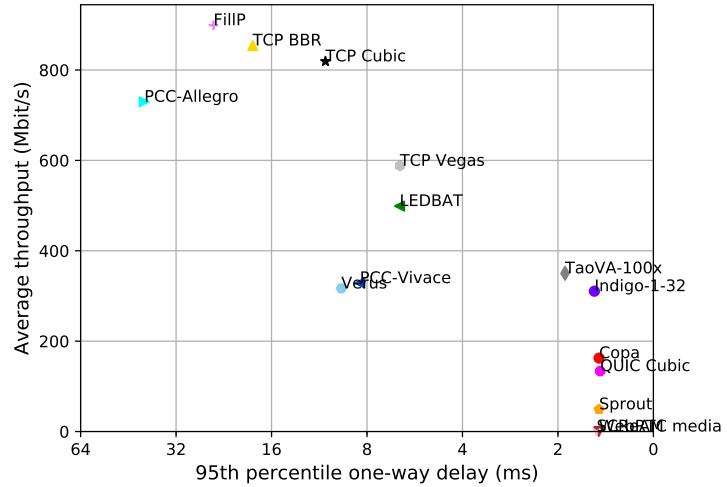
Pantheon Report

Generated at 2018-04-25 04:07:36 (UTC).
Data path: Stanford Ethernet (*remote*) → AWS California 1 Ethernet (*local*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

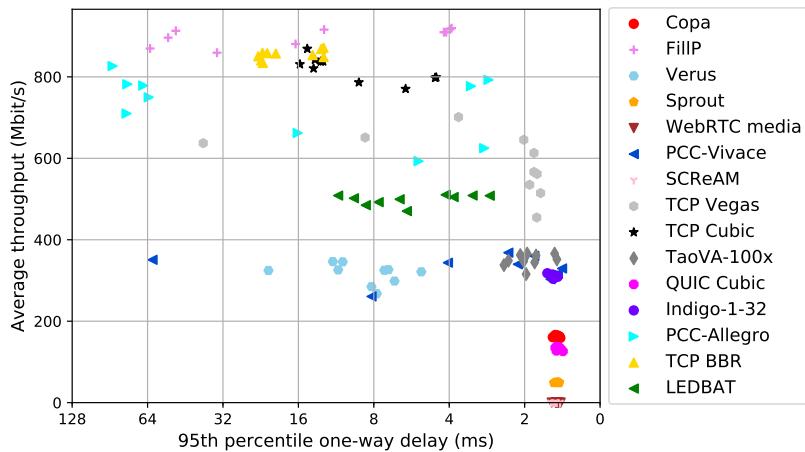
```
Git summary:  
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c  
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50  
  M datagrump/sender.cc  
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44  
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec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

third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581

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



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	494.80	380.58	321.38	17.53	20.07	6.35	0.05	0.10	0.23
TCP Cubic	10	458.86	385.85	312.64	11.57	7.50	4.60	0.05	0.10	0.24
LEDBAT	10	287.69	231.08	175.40	6.84	4.13	2.90	0.06	0.12	0.19
PCC-Allegro	10	568.84	167.59	151.00	46.98	2.59	2.24	1.42	0.16	0.25
QUIC Cubic	10	72.20	65.28	55.22	1.11	1.12	1.12	0.06	0.09	0.21
SCReAM	10	0.22	0.22	0.22	1.19	1.19	1.18	0.03	0.00	0.28
WebRTC media	10	0.05	0.05	0.05	1.13	1.14	1.16	0.01	0.01	0.00
Sprout	10	24.78	24.71	24.37	1.14	1.13	1.13	0.04	0.06	0.25
TaoVA-100x	10	201.39	169.51	109.09	1.68	2.16	1.66	0.04	0.05	0.17
TCP Vegas	10	263.66	338.78	299.07	5.48	3.08	1.99	0.05	0.08	0.21
Verus	10	192.41	137.19	100.72	10.39	9.45	3.12	0.21	0.10	0.14
Copa	10	85.17	82.61	67.76	1.13	1.15	1.16	0.05	0.08	0.19
FillP	10	500.79	418.78	362.81	21.66	10.54	6.60	0.51	0.31	0.37
Indigo-1-32	10	169.51	155.47	116.07	1.24	1.32	1.25	0.05	0.08	0.17
PCC-Vivace	10	233.38	111.47	64.31	18.07	1.19	1.16	0.30	0.08	0.28
PCC-Expr	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

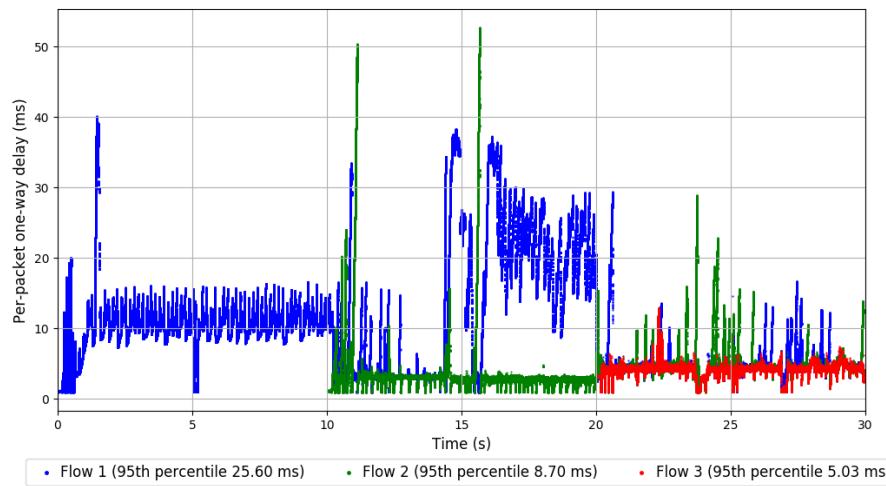
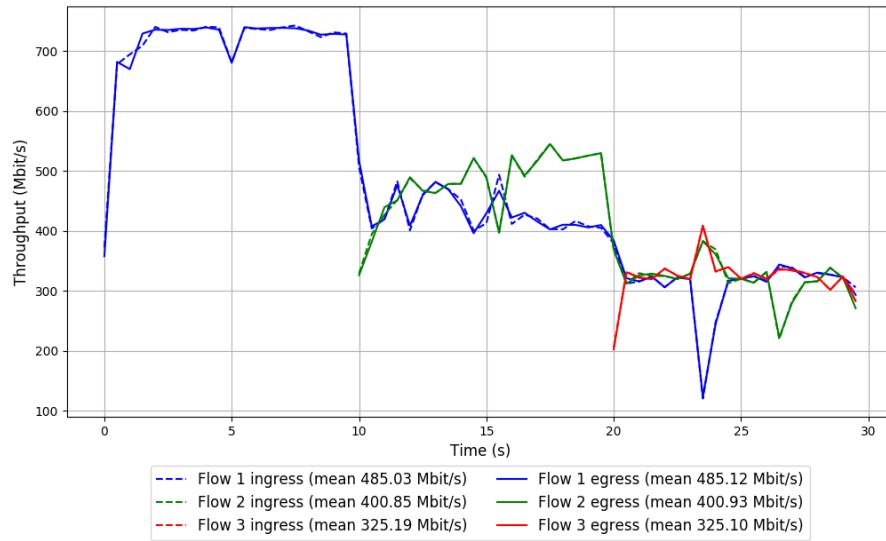
↳

Run 1: Statistics of TCP BBR

```
Start at: 2018-04-24 17:14:08
End at: 2018-04-24 17:14:38
Local clock offset: 0.393 ms
Remote clock offset: -4.8 ms

# Below is generated by plot.py at 2018-04-25 02:16:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 859.16 Mbit/s
95th percentile per-packet one-way delay: 22.258 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 485.12 Mbit/s
95th percentile per-packet one-way delay: 25.601 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 400.93 Mbit/s
95th percentile per-packet one-way delay: 8.699 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 325.10 Mbit/s
95th percentile per-packet one-way delay: 5.033 ms
Loss rate: 0.22%
```

Run 1: Report of TCP BBR — Data Link

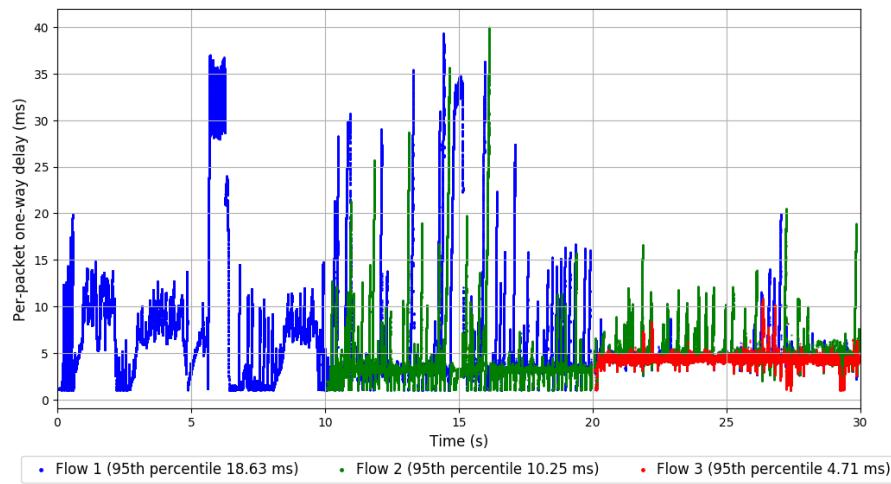
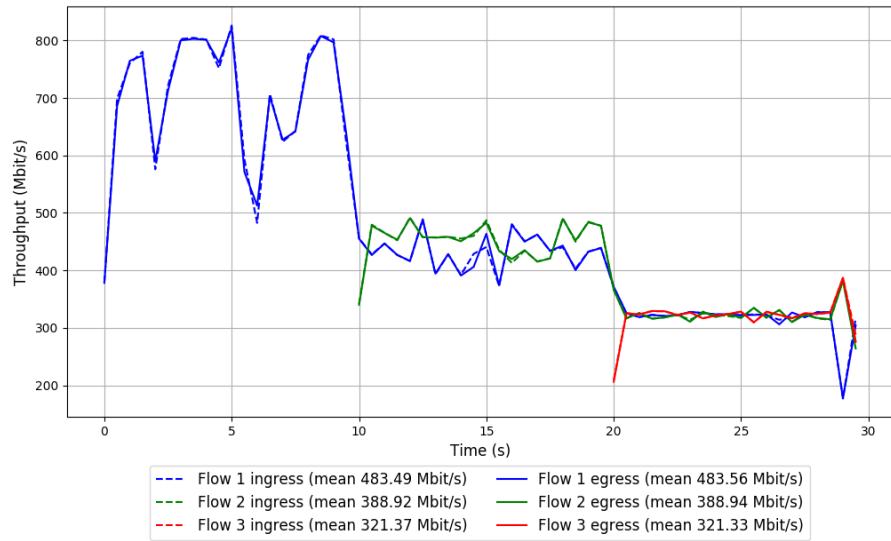


Run 2: Statistics of TCP BBR

```
Start at: 2018-04-24 17:40:45
End at: 2018-04-24 17:41:15
Local clock offset: 0.244 ms
Remote clock offset: -6.12 ms

# Below is generated by plot.py at 2018-04-25 02:16:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 848.63 Mbit/s
95th percentile per-packet one-way delay: 12.687 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 483.56 Mbit/s
95th percentile per-packet one-way delay: 18.634 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 388.94 Mbit/s
95th percentile per-packet one-way delay: 10.253 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 321.33 Mbit/s
95th percentile per-packet one-way delay: 4.713 ms
Loss rate: 0.23%
```

Run 2: Report of TCP BBR — Data Link

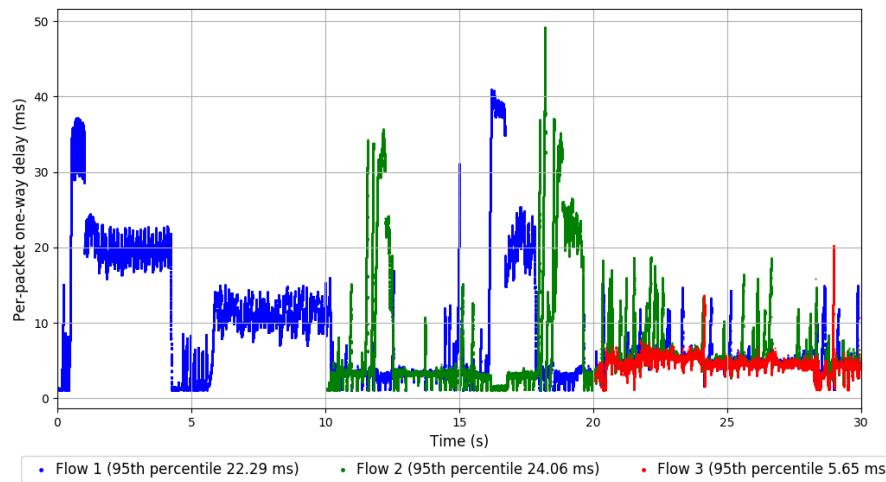
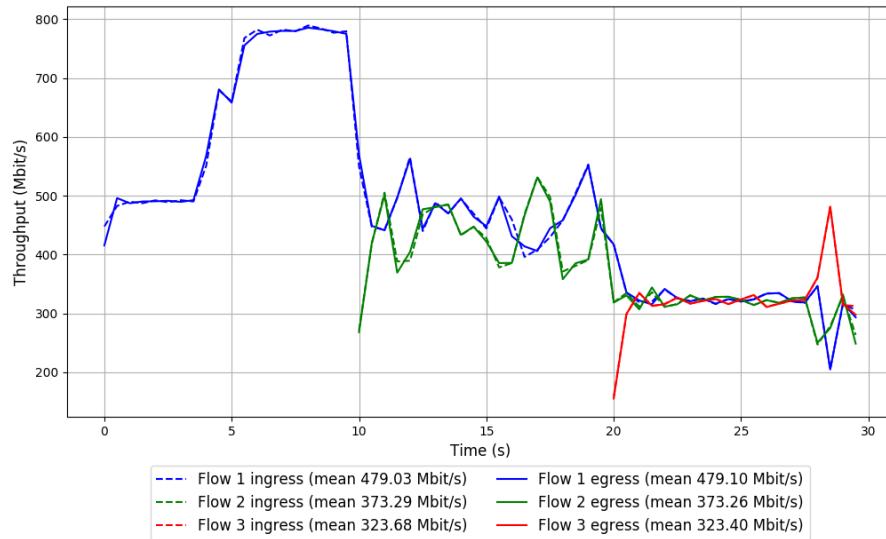


Run 3: Statistics of TCP BBR

```
Start at: 2018-04-24 18:07:21
End at: 2018-04-24 18:07:51
Local clock offset: -0.724 ms
Remote clock offset: -5.378 ms

# Below is generated by plot.py at 2018-04-25 02:16:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 834.20 Mbit/s
95th percentile per-packet one-way delay: 22.171 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 479.10 Mbit/s
95th percentile per-packet one-way delay: 22.290 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 373.26 Mbit/s
95th percentile per-packet one-way delay: 24.062 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 323.40 Mbit/s
95th percentile per-packet one-way delay: 5.654 ms
Loss rate: 0.24%
```

Run 3: Report of TCP BBR — Data Link

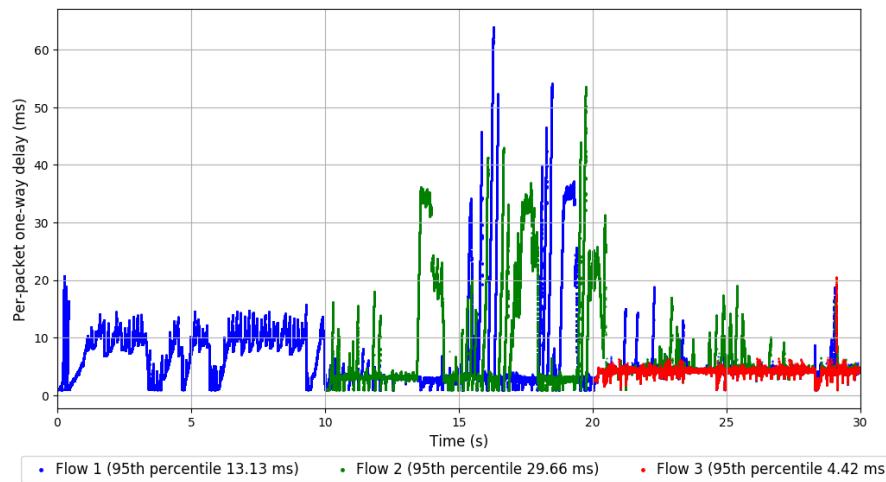
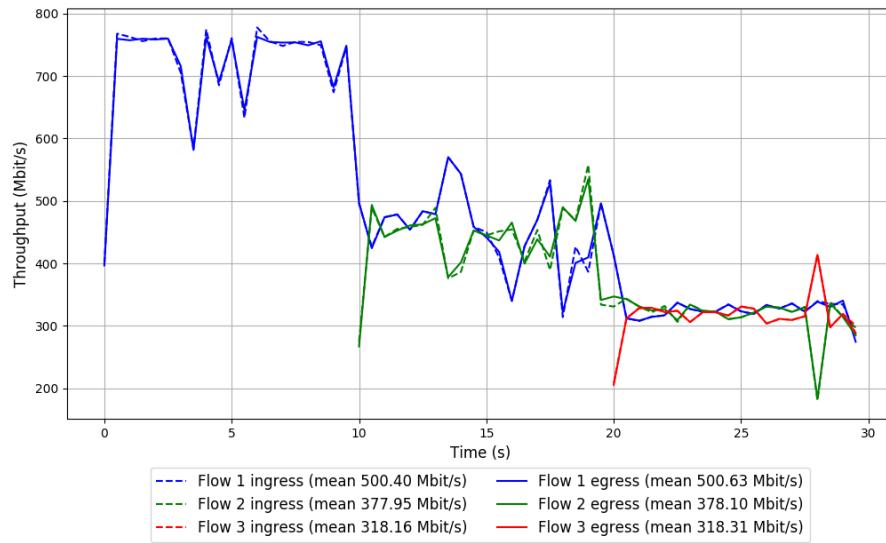


Run 4: Statistics of TCP BBR

```
Start at: 2018-04-24 18:33:57
End at: 2018-04-24 18:34:27
Local clock offset: -1.671 ms
Remote clock offset: -5.636 ms

# Below is generated by plot.py at 2018-04-25 02:16:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 857.35 Mbit/s
95th percentile per-packet one-way delay: 19.688 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 500.63 Mbit/s
95th percentile per-packet one-way delay: 13.128 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 378.10 Mbit/s
95th percentile per-packet one-way delay: 29.656 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 318.31 Mbit/s
95th percentile per-packet one-way delay: 4.425 ms
Loss rate: 0.23%
```

Run 4: Report of TCP BBR — Data Link

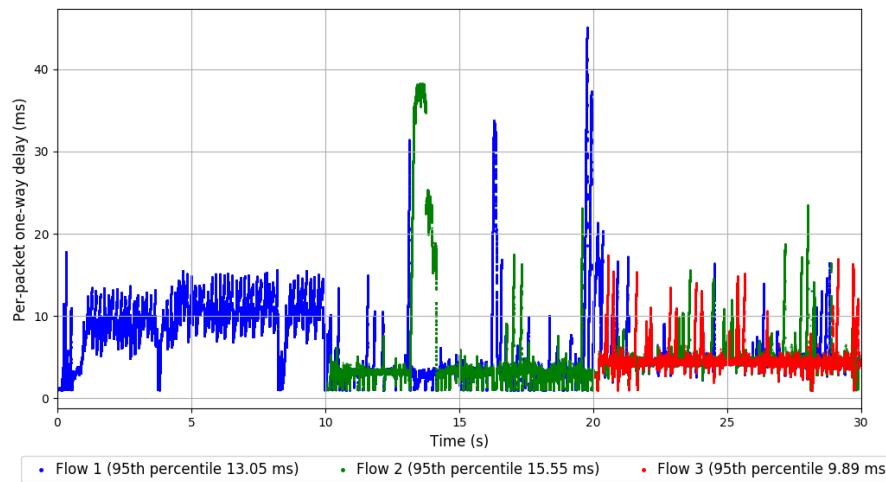
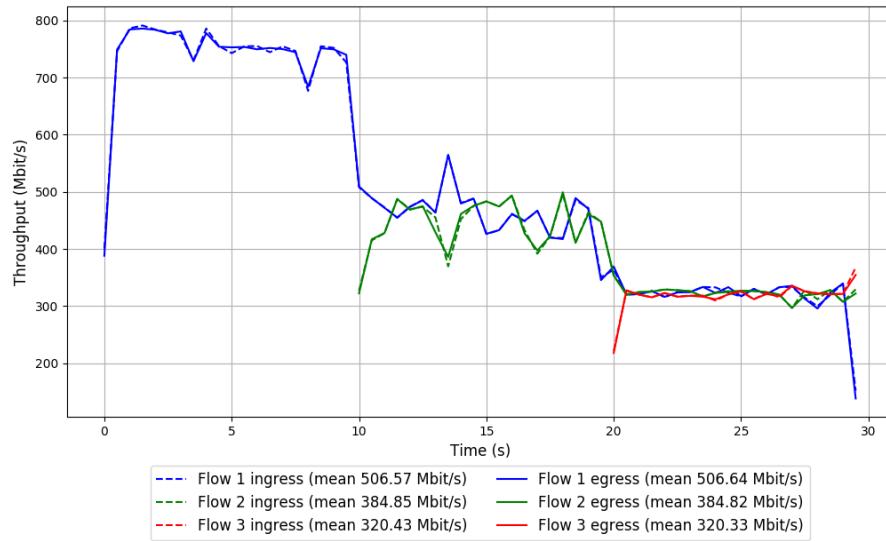


Run 5: Statistics of TCP BBR

```
Start at: 2018-04-24 19:00:23
End at: 2018-04-24 19:00:53
Local clock offset: 0.302 ms
Remote clock offset: -6.471 ms

# Below is generated by plot.py at 2018-04-25 02:16:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 868.52 Mbit/s
95th percentile per-packet one-way delay: 12.976 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 506.64 Mbit/s
95th percentile per-packet one-way delay: 13.046 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 384.82 Mbit/s
95th percentile per-packet one-way delay: 15.553 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 320.33 Mbit/s
95th percentile per-packet one-way delay: 9.890 ms
Loss rate: 0.25%
```

Run 5: Report of TCP BBR — Data Link

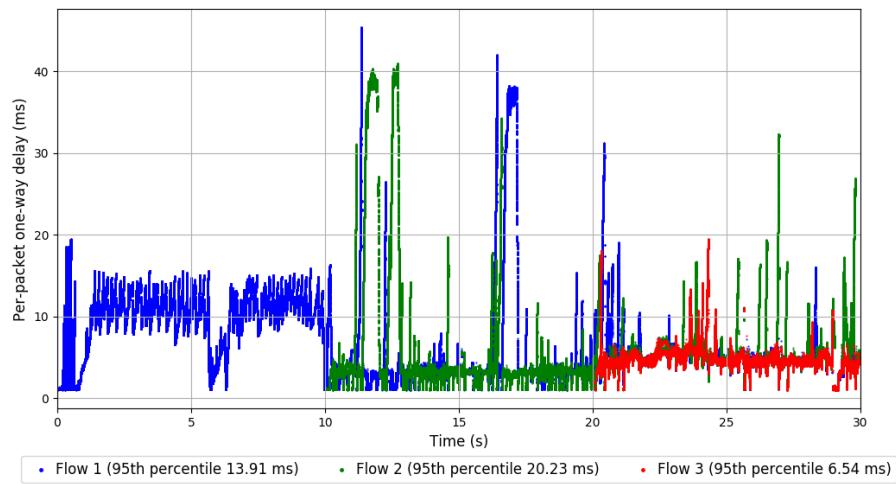
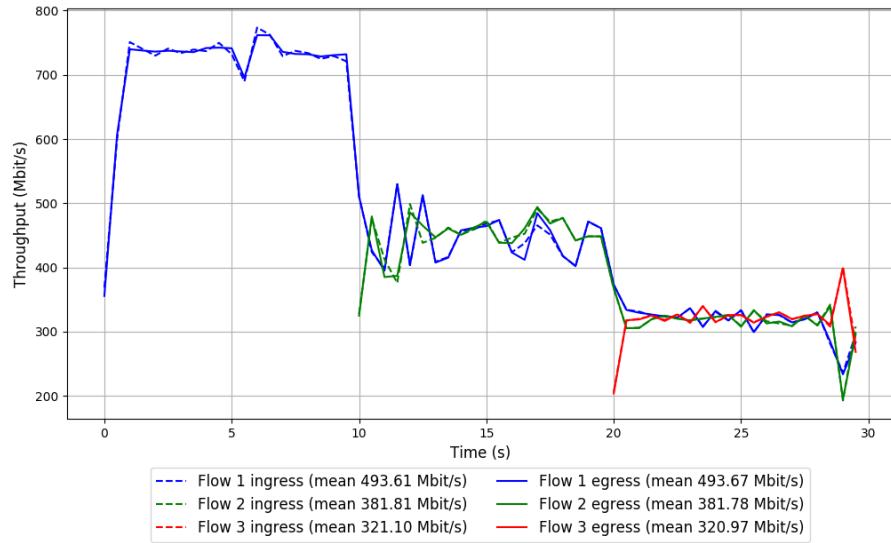


Run 6: Statistics of TCP BBR

```
Start at: 2018-04-24 19:27:05
End at: 2018-04-24 19:27:35
Local clock offset: 0.723 ms
Remote clock offset: -6.123 ms

# Below is generated by plot.py at 2018-04-25 02:16:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 853.55 Mbit/s
95th percentile per-packet one-way delay: 14.031 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 493.67 Mbit/s
95th percentile per-packet one-way delay: 13.912 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 381.78 Mbit/s
95th percentile per-packet one-way delay: 20.227 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 320.97 Mbit/s
95th percentile per-packet one-way delay: 6.544 ms
Loss rate: 0.24%
```

Run 6: Report of TCP BBR — Data Link

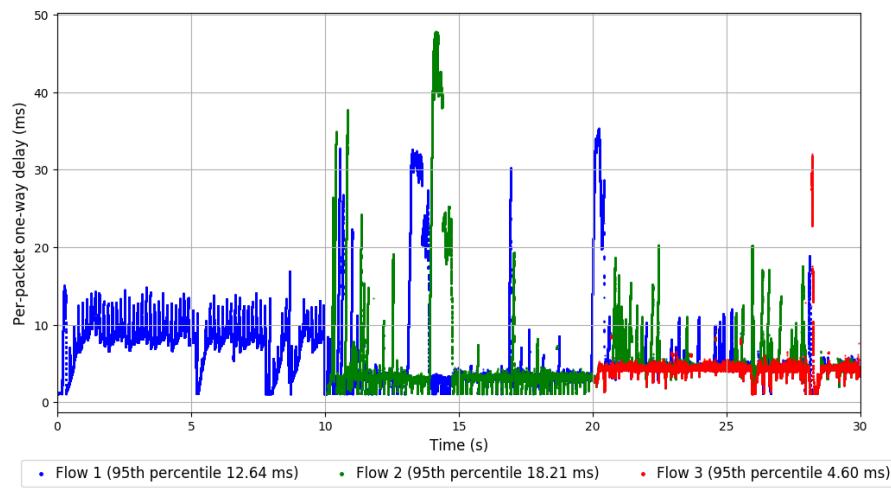
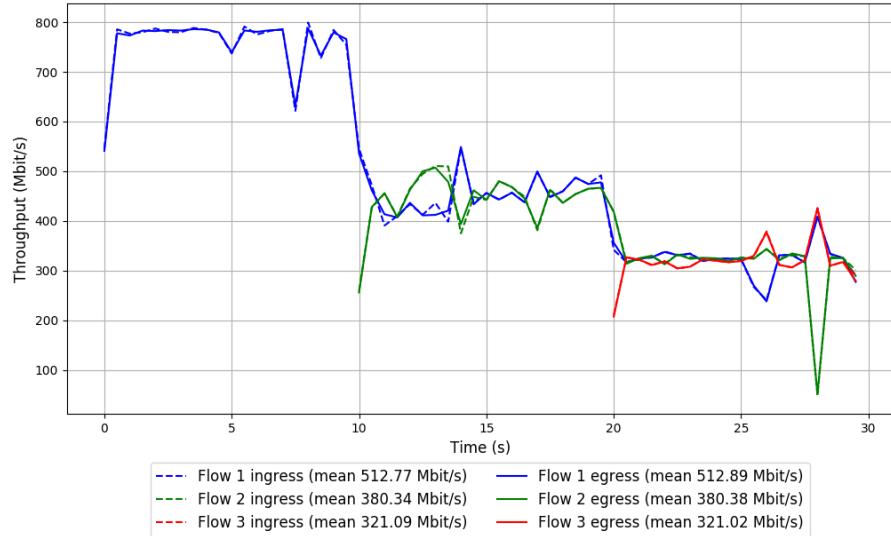


Run 7: Statistics of TCP BBR

```
Start at: 2018-04-24 19:53:42
End at: 2018-04-24 19:54:12
Local clock offset: 0.999 ms
Remote clock offset: -5.427 ms

# Below is generated by plot.py at 2018-04-25 02:16:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 871.91 Mbit/s
95th percentile per-packet one-way delay: 12.707 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 512.89 Mbit/s
95th percentile per-packet one-way delay: 12.639 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 380.38 Mbit/s
95th percentile per-packet one-way delay: 18.210 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 321.02 Mbit/s
95th percentile per-packet one-way delay: 4.602 ms
Loss rate: 0.22%
```

Run 7: Report of TCP BBR — Data Link

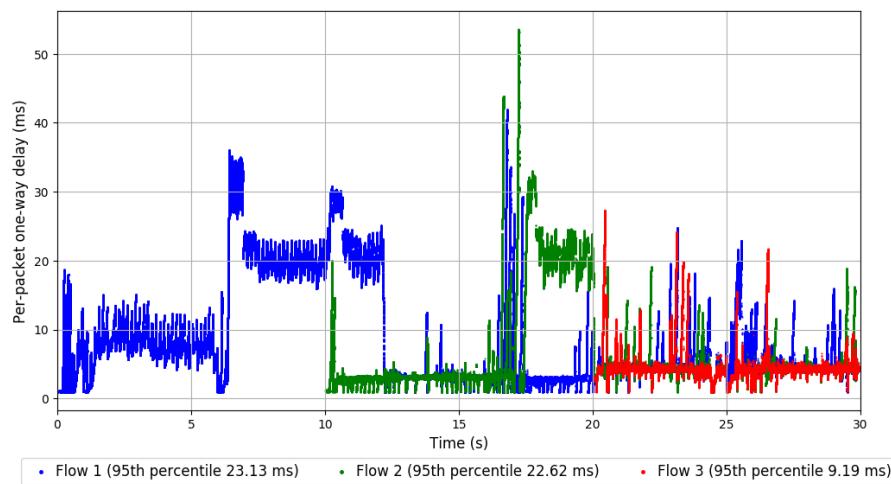
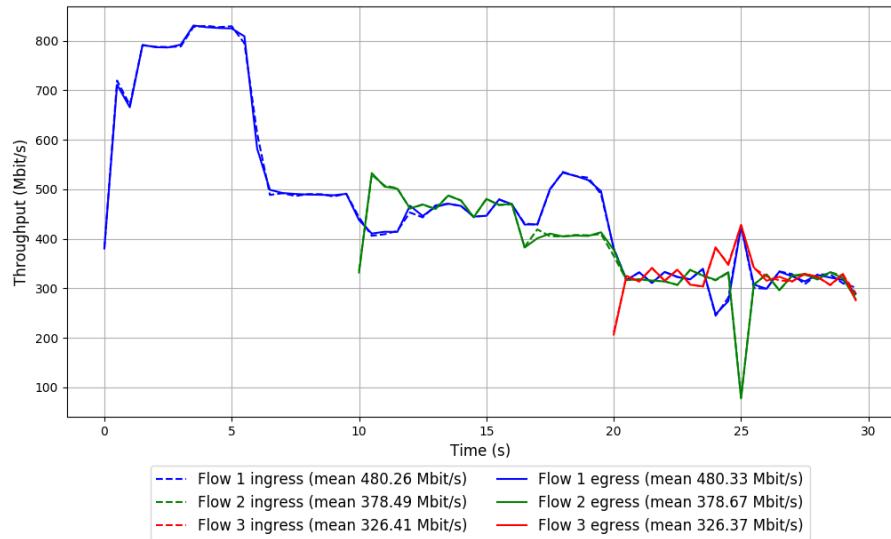


Run 8: Statistics of TCP BBR

```
Start at: 2018-04-24 20:20:14
End at: 2018-04-24 20:20:44
Local clock offset: 0.442 ms
Remote clock offset: -5.167 ms

# Below is generated by plot.py at 2018-04-25 02:16:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 840.47 Mbit/s
95th percentile per-packet one-way delay: 22.541 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 480.33 Mbit/s
95th percentile per-packet one-way delay: 23.131 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 378.67 Mbit/s
95th percentile per-packet one-way delay: 22.624 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 326.37 Mbit/s
95th percentile per-packet one-way delay: 9.190 ms
Loss rate: 0.23%
```

Run 8: Report of TCP BBR — Data Link

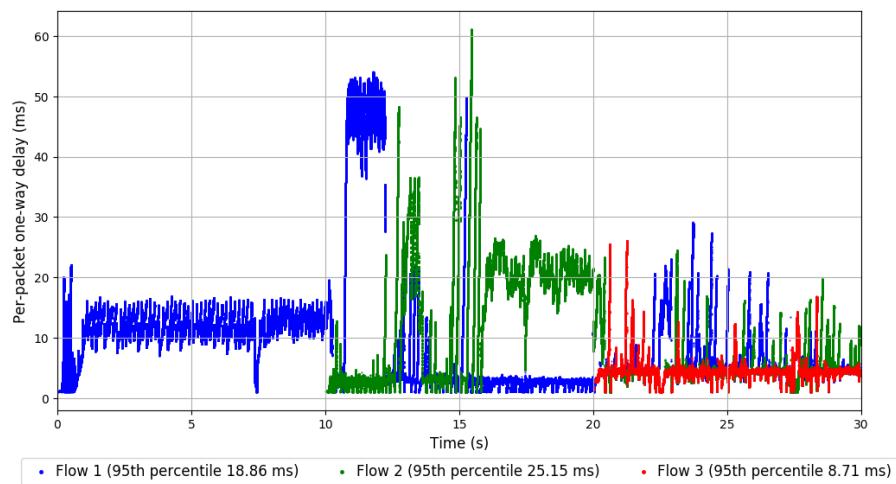
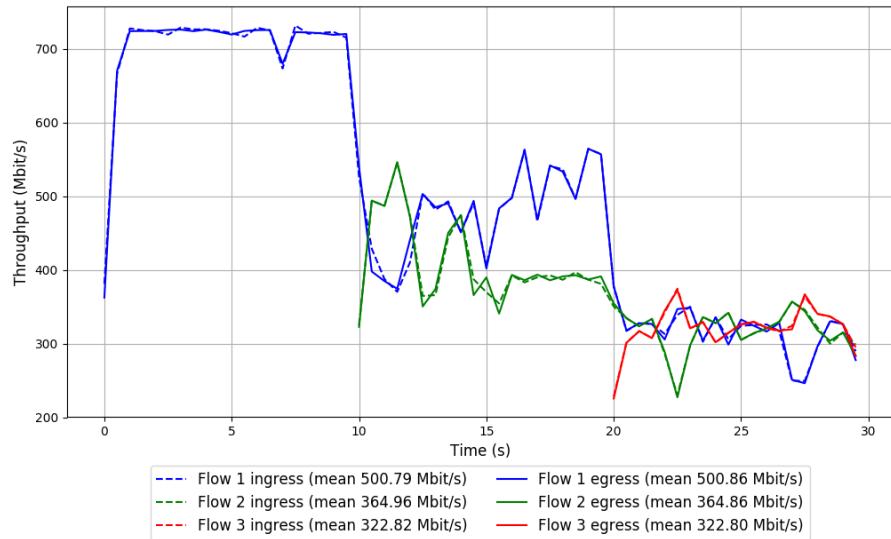


Run 9: Statistics of TCP BBR

```
Start at: 2018-04-24 20:46:42
End at: 2018-04-24 20:47:12
Local clock offset: 0.526 ms
Remote clock offset: -5.19 ms

# Below is generated by plot.py at 2018-04-25 02:28:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 850.71 Mbit/s
95th percentile per-packet one-way delay: 23.142 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 500.86 Mbit/s
95th percentile per-packet one-way delay: 18.855 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 364.86 Mbit/s
95th percentile per-packet one-way delay: 25.151 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 322.80 Mbit/s
95th percentile per-packet one-way delay: 8.708 ms
Loss rate: 0.23%
```

Run 9: Report of TCP BBR — Data Link

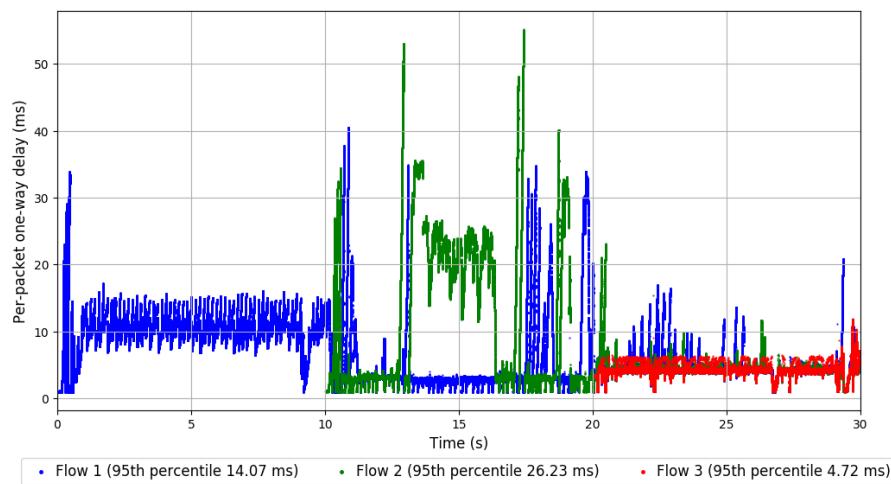
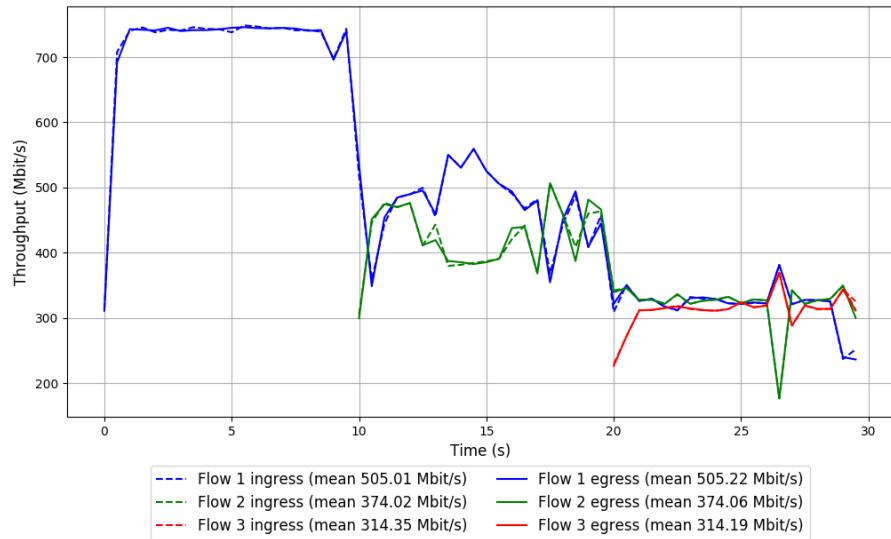


Run 10: Statistics of TCP BBR

```
Start at: 2018-04-24 21:13:20
End at: 2018-04-24 21:13:50
Local clock offset: 0.391 ms
Remote clock offset: -5.344 ms

# Below is generated by plot.py at 2018-04-25 02:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 858.18 Mbit/s
95th percentile per-packet one-way delay: 21.282 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 505.22 Mbit/s
95th percentile per-packet one-way delay: 14.069 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 374.06 Mbit/s
95th percentile per-packet one-way delay: 26.235 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 314.19 Mbit/s
95th percentile per-packet one-way delay: 4.719 ms
Loss rate: 0.26%
```

Run 10: Report of TCP BBR — Data Link

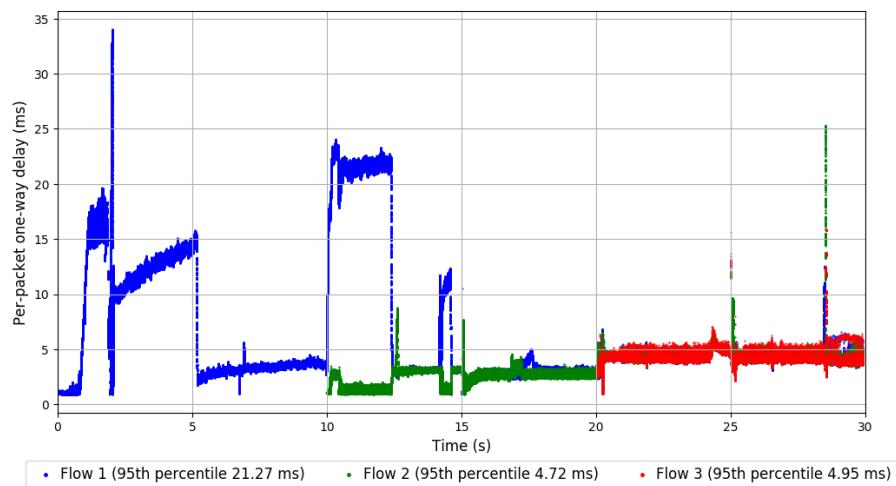
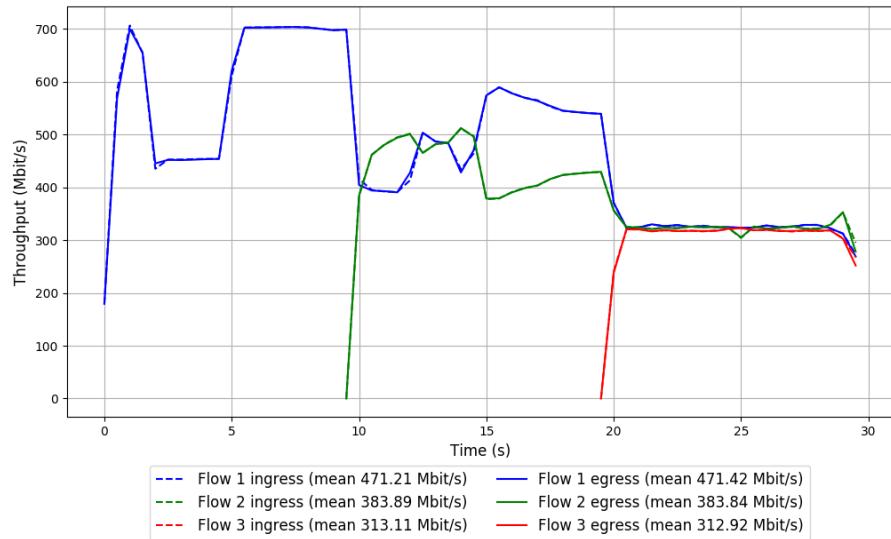


```
Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 17:12:18
End at: 2018-04-24 17:12:48
Local clock offset: 0.304 ms
Remote clock offset: -4.902 ms

# Below is generated by plot.py at 2018-04-25 02:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 830.93 Mbit/s
95th percentile per-packet one-way delay: 15.778 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 471.42 Mbit/s
95th percentile per-packet one-way delay: 21.271 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 383.84 Mbit/s
95th percentile per-packet one-way delay: 4.724 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 312.92 Mbit/s
95th percentile per-packet one-way delay: 4.954 ms
Loss rate: 0.30%
```

Run 1: Report of TCP Cubic — Data Link

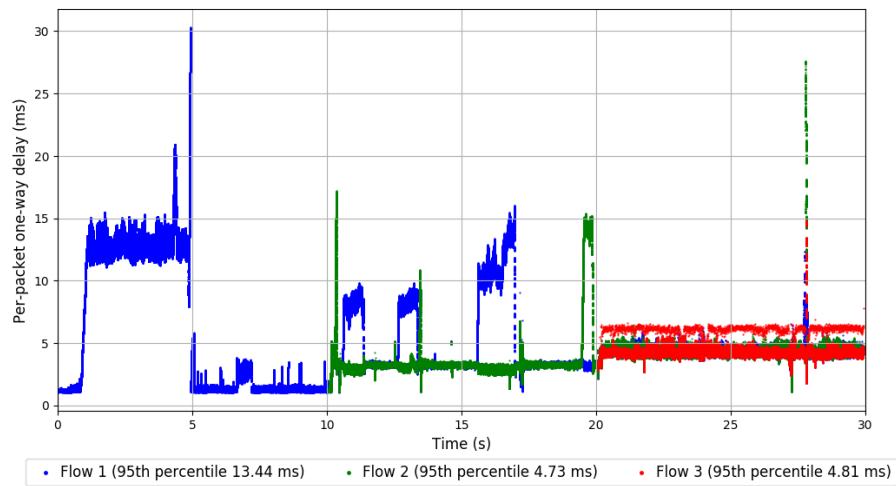
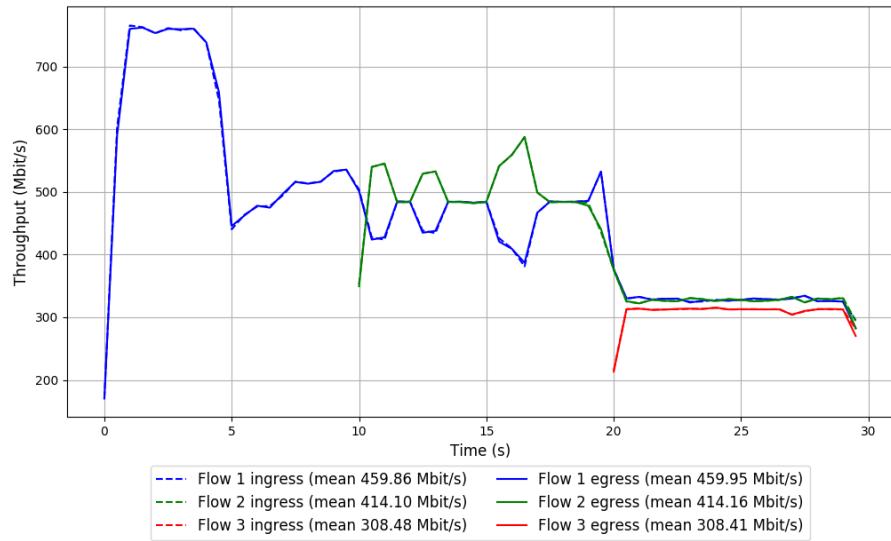


Run 2: Statistics of TCP Cubic

```
Start at: 2018-04-24 17:38:55
End at: 2018-04-24 17:39:25
Local clock offset: 0.32 ms
Remote clock offset: -6.097 ms

# Below is generated by plot.py at 2018-04-25 02:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 837.52 Mbit/s
95th percentile per-packet one-way delay: 13.028 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 459.95 Mbit/s
95th percentile per-packet one-way delay: 13.442 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 414.16 Mbit/s
95th percentile per-packet one-way delay: 4.726 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 308.41 Mbit/s
95th percentile per-packet one-way delay: 4.807 ms
Loss rate: 0.22%
```

Run 2: Report of TCP Cubic — Data Link

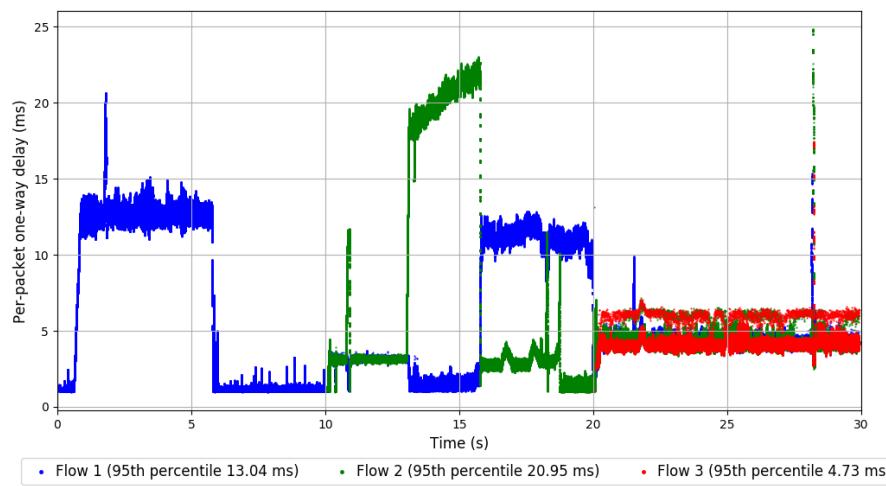
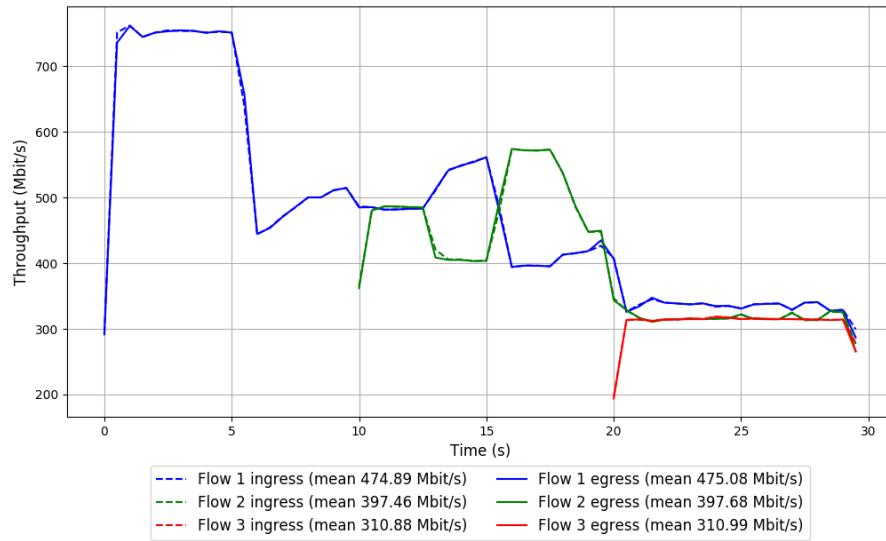


Run 3: Statistics of TCP Cubic

```
Start at: 2018-04-24 18:05:32
End at: 2018-04-24 18:06:02
Local clock offset: -0.731 ms
Remote clock offset: -5.475 ms

# Below is generated by plot.py at 2018-04-25 02:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 842.11 Mbit/s
95th percentile per-packet one-way delay: 13.743 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 475.08 Mbit/s
95th percentile per-packet one-way delay: 13.043 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 397.68 Mbit/s
95th percentile per-packet one-way delay: 20.949 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 310.99 Mbit/s
95th percentile per-packet one-way delay: 4.732 ms
Loss rate: 0.25%
```

Run 3: Report of TCP Cubic — Data Link

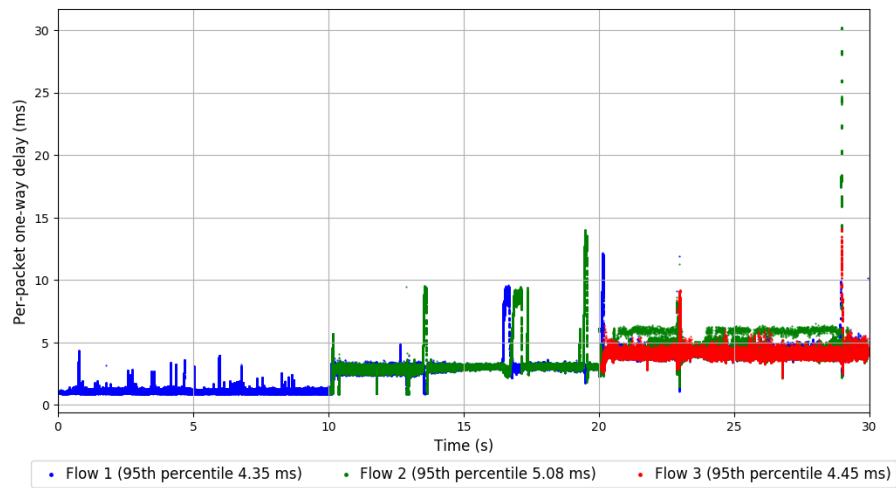
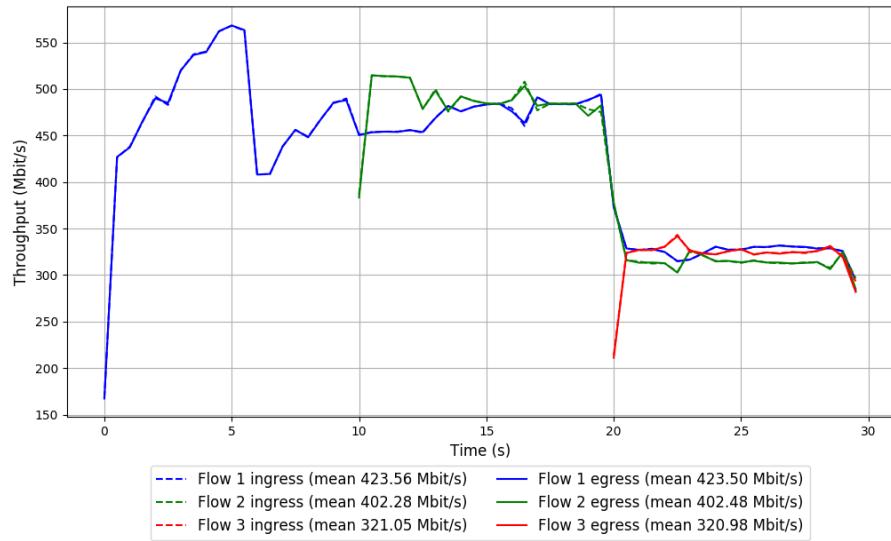


Run 4: Statistics of TCP Cubic

```
Start at: 2018-04-24 18:32:08
End at: 2018-04-24 18:32:38
Local clock offset: -1.629 ms
Remote clock offset: -5.427 ms

# Below is generated by plot.py at 2018-04-25 02:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 797.65 Mbit/s
95th percentile per-packet one-way delay: 4.556 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 423.50 Mbit/s
95th percentile per-packet one-way delay: 4.350 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 402.48 Mbit/s
95th percentile per-packet one-way delay: 5.082 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 320.98 Mbit/s
95th percentile per-packet one-way delay: 4.454 ms
Loss rate: 0.22%
```

Run 4: Report of TCP Cubic — Data Link

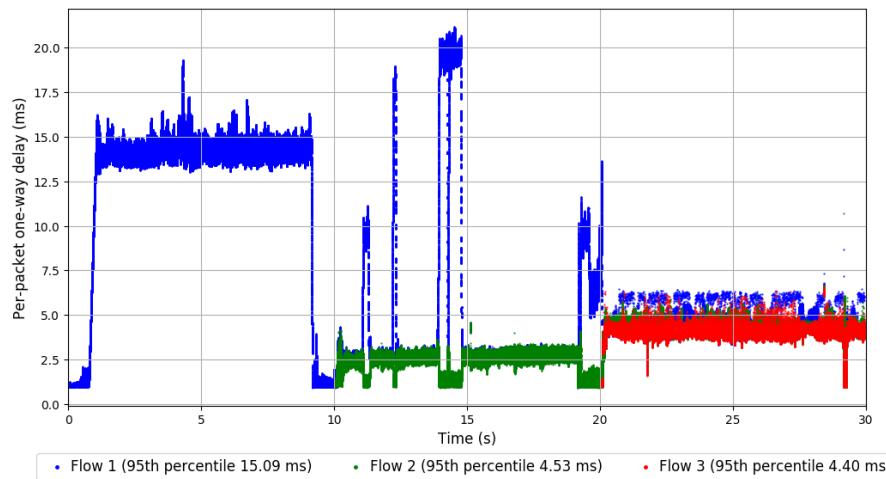
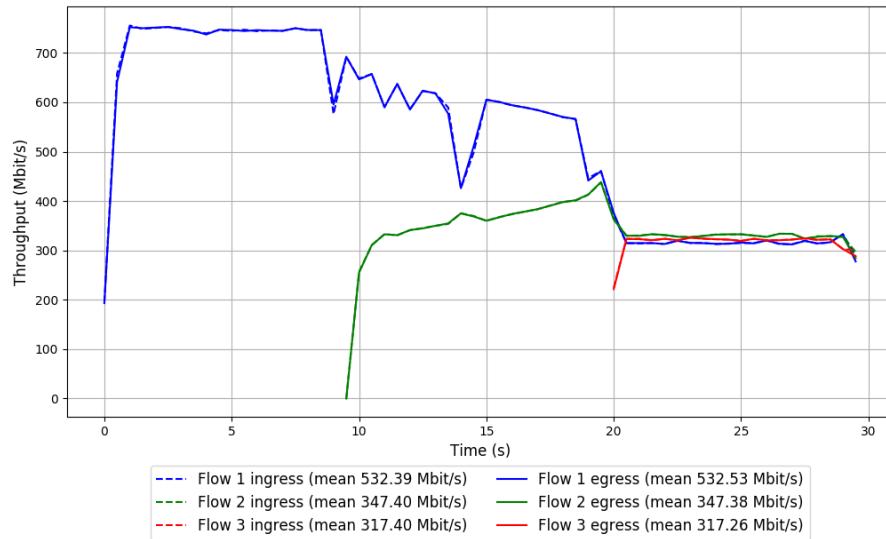


Run 5: Statistics of TCP Cubic

```
Start at: 2018-04-24 18:58:32
End at: 2018-04-24 18:59:02
Local clock offset: 0.182 ms
Remote clock offset: -6.421 ms

# Below is generated by plot.py at 2018-04-25 02:29:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 868.98 Mbit/s
95th percentile per-packet one-way delay: 14.745 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 532.53 Mbit/s
95th percentile per-packet one-way delay: 15.087 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 347.38 Mbit/s
95th percentile per-packet one-way delay: 4.527 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 317.26 Mbit/s
95th percentile per-packet one-way delay: 4.404 ms
Loss rate: 0.24%
```

Run 5: Report of TCP Cubic — Data Link

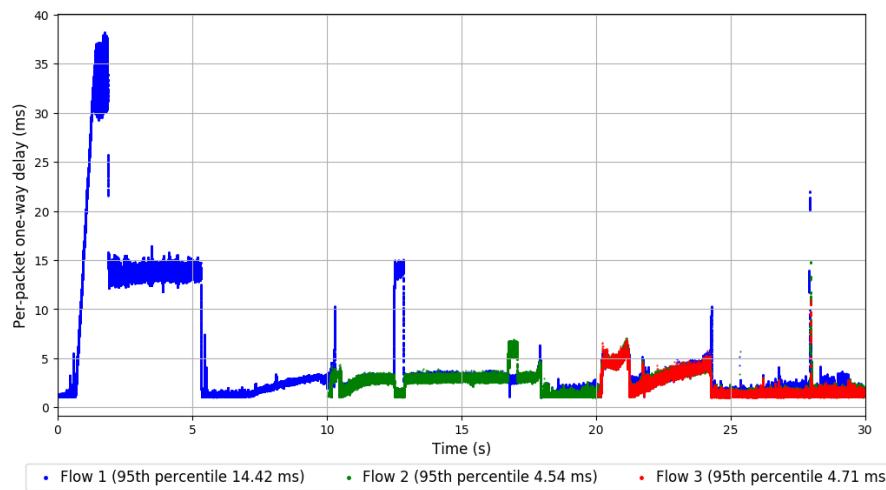
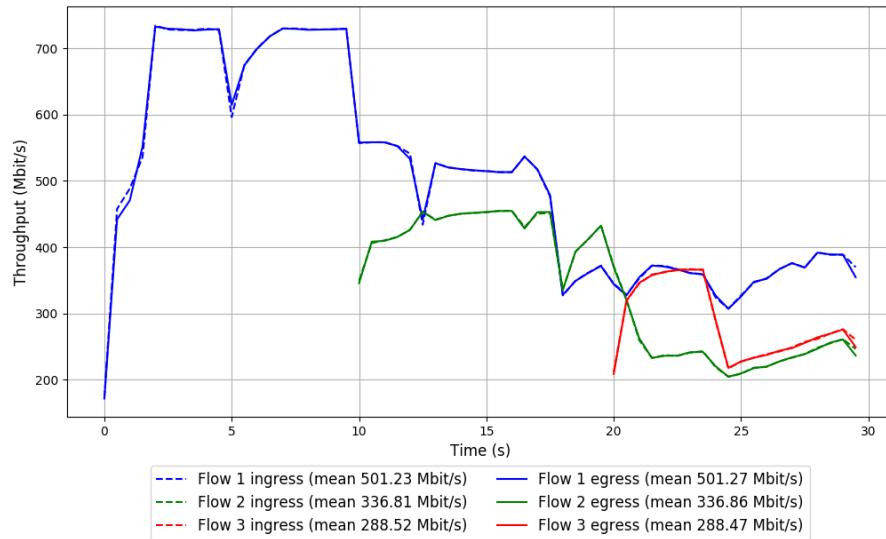


Run 6: Statistics of TCP Cubic

```
Start at: 2018-04-24 19:25:15
End at: 2018-04-24 19:25:45
Local clock offset: 0.748 ms
Remote clock offset: -6.117 ms

# Below is generated by plot.py at 2018-04-25 02:29:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 820.72 Mbit/s
95th percentile per-packet one-way delay: 13.920 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 501.27 Mbit/s
95th percentile per-packet one-way delay: 14.423 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 336.86 Mbit/s
95th percentile per-packet one-way delay: 4.535 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 288.47 Mbit/s
95th percentile per-packet one-way delay: 4.705 ms
Loss rate: 0.22%
```

Run 6: Report of TCP Cubic — Data Link

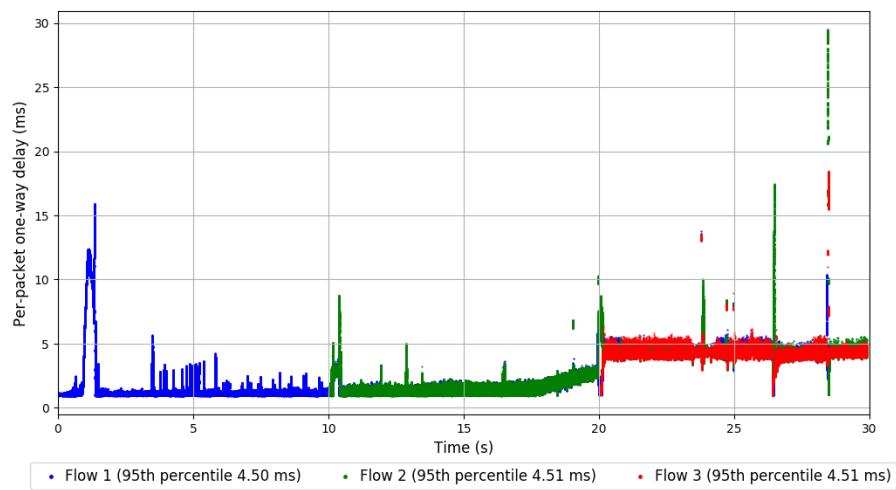
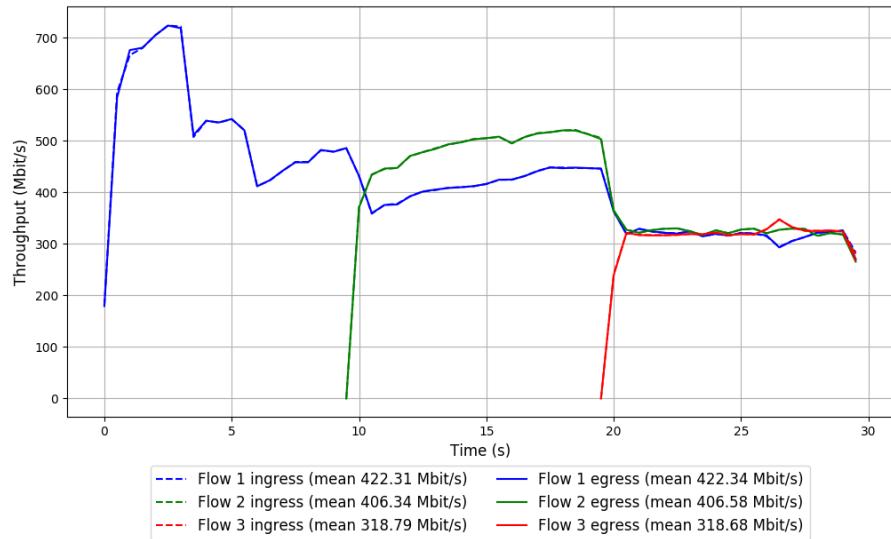


Run 7: Statistics of TCP Cubic

```
Start at: 2018-04-24 19:51:54
End at: 2018-04-24 19:52:24
Local clock offset: 1.056 ms
Remote clock offset: -5.394 ms

# Below is generated by plot.py at 2018-04-25 02:40:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 798.79 Mbit/s
95th percentile per-packet one-way delay: 4.506 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 422.34 Mbit/s
95th percentile per-packet one-way delay: 4.495 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 406.58 Mbit/s
95th percentile per-packet one-way delay: 4.513 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.68 Mbit/s
95th percentile per-packet one-way delay: 4.515 ms
Loss rate: 0.24%
```

Run 7: Report of TCP Cubic — Data Link

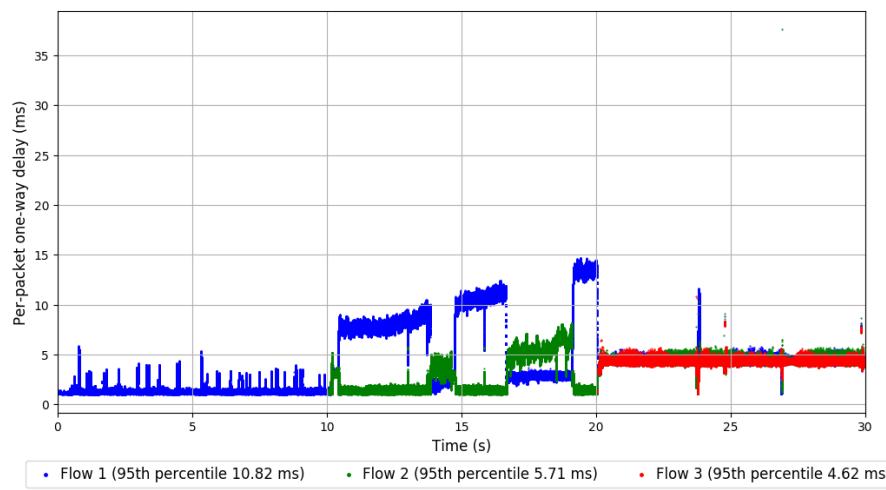
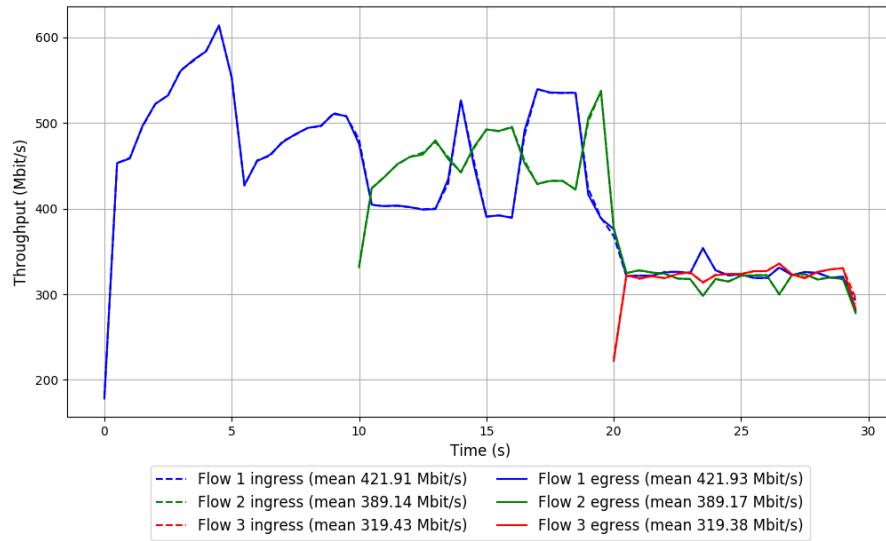


Run 8: Statistics of TCP Cubic

```
Start at: 2018-04-24 20:18:26
End at: 2018-04-24 20:18:56
Local clock offset: 0.434 ms
Remote clock offset: -5.263 ms

# Below is generated by plot.py at 2018-04-25 02:40:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 786.53 Mbit/s
95th percentile per-packet one-way delay: 9.177 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 421.93 Mbit/s
95th percentile per-packet one-way delay: 10.820 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 389.17 Mbit/s
95th percentile per-packet one-way delay: 5.707 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 319.38 Mbit/s
95th percentile per-packet one-way delay: 4.622 ms
Loss rate: 0.24%
```

Run 8: Report of TCP Cubic — Data Link

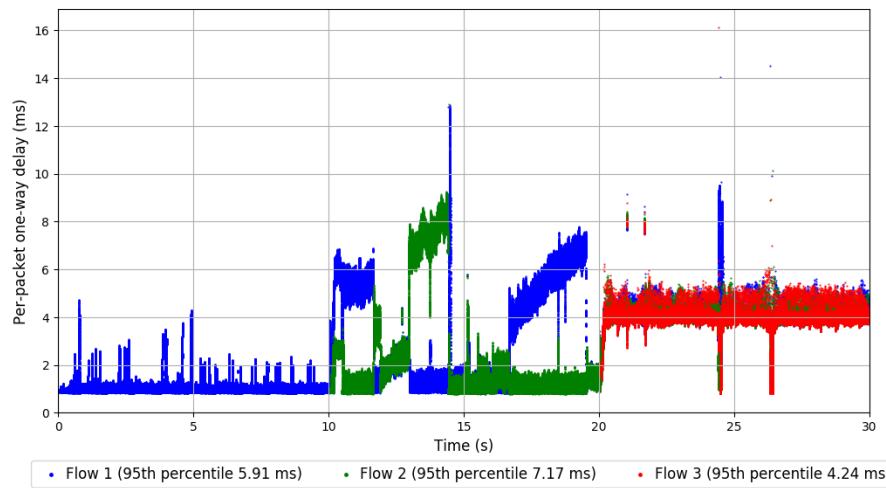
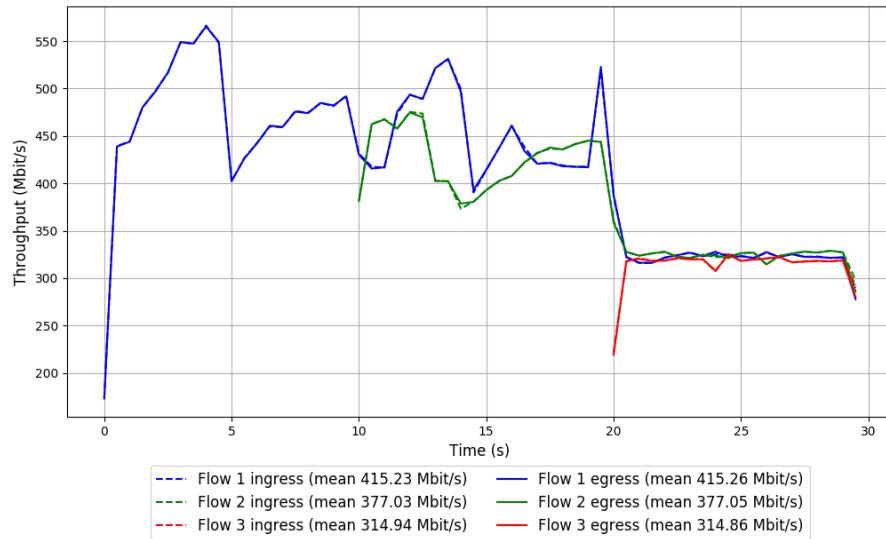


Run 9: Statistics of TCP Cubic

```
Start at: 2018-04-24 20:44:55
End at: 2018-04-24 20:45:25
Local clock offset: 0.406 ms
Remote clock offset: -5.084 ms

# Below is generated by plot.py at 2018-04-25 02:40:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 770.48 Mbit/s
95th percentile per-packet one-way delay: 5.974 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 415.26 Mbit/s
95th percentile per-packet one-way delay: 5.914 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 377.05 Mbit/s
95th percentile per-packet one-way delay: 7.167 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 314.86 Mbit/s
95th percentile per-packet one-way delay: 4.240 ms
Loss rate: 0.24%
```

Run 9: Report of TCP Cubic — Data Link

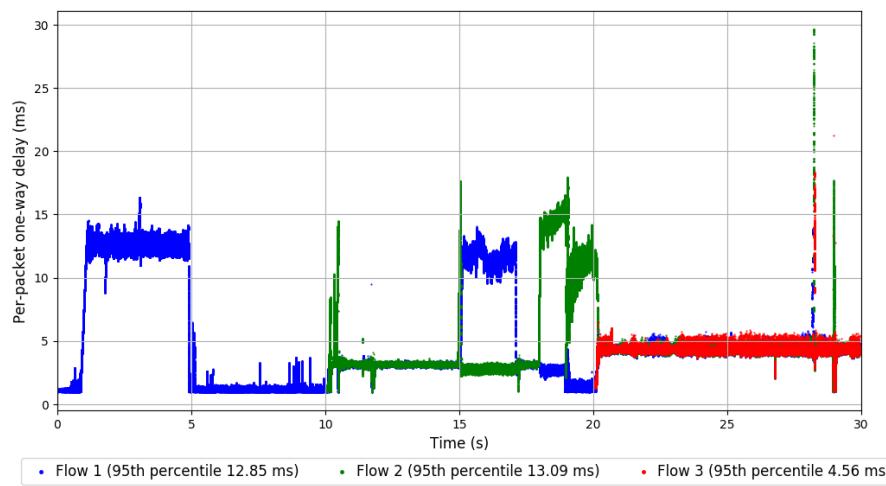
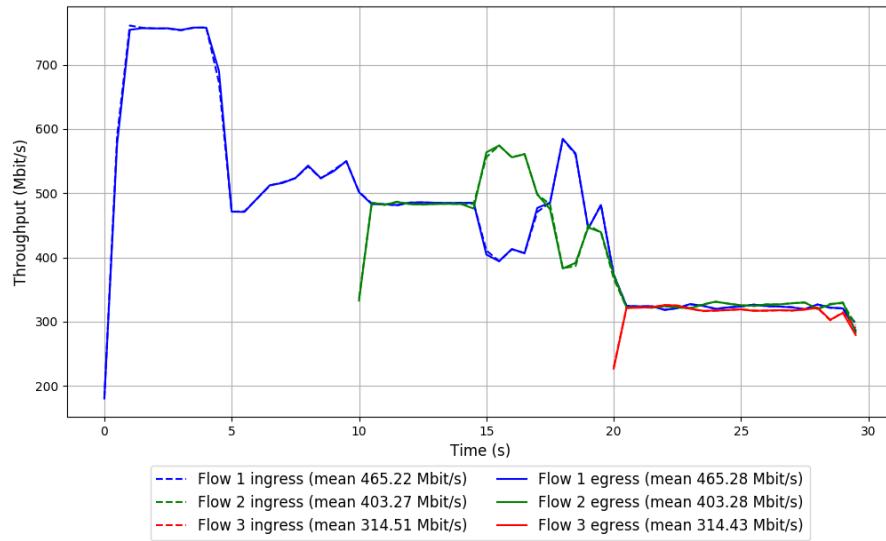


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-04-24 21:11:30
End at: 2018-04-24 21:12:00
Local clock offset: 0.357 ms
Remote clock offset: -5.404 ms

# Below is generated by plot.py at 2018-04-25 02:40:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 837.97 Mbit/s
95th percentile per-packet one-way delay: 12.748 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 465.28 Mbit/s
95th percentile per-packet one-way delay: 12.847 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 403.28 Mbit/s
95th percentile per-packet one-way delay: 13.091 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 314.43 Mbit/s
95th percentile per-packet one-way delay: 4.564 ms
Loss rate: 0.22%
```

Run 10: Report of TCP Cubic — Data Link

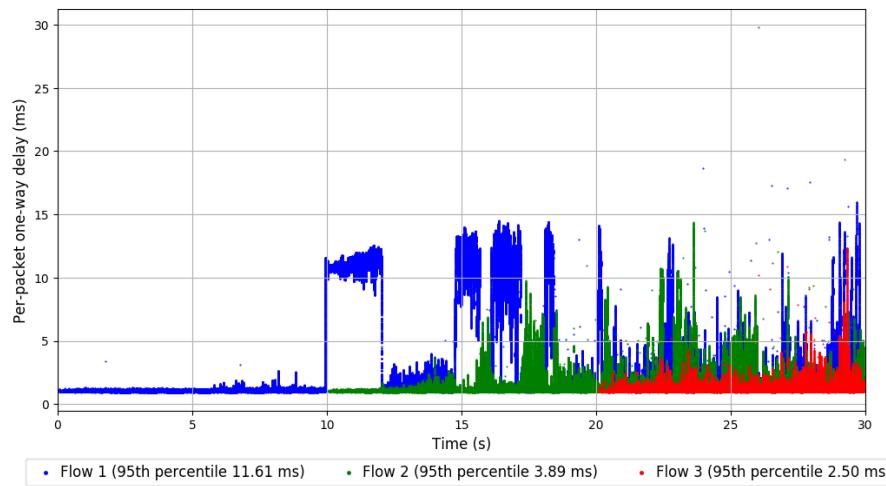
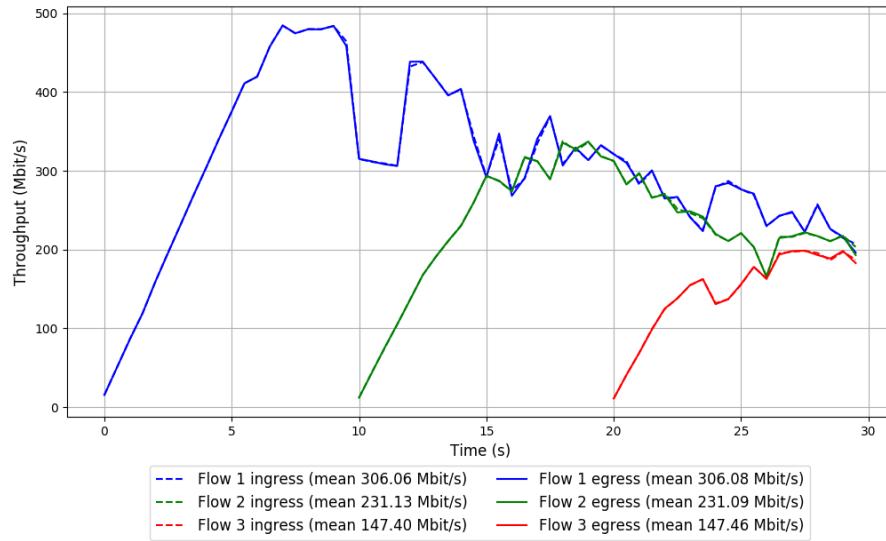


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-24 17:06:17
End at: 2018-04-24 17:06:47
Local clock offset: 0.336 ms
Remote clock offset: -5.012 ms

# Below is generated by plot.py at 2018-04-25 02:40:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 508.50 Mbit/s
95th percentile per-packet one-way delay: 11.107 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 306.08 Mbit/s
95th percentile per-packet one-way delay: 11.606 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 231.09 Mbit/s
95th percentile per-packet one-way delay: 3.888 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 147.46 Mbit/s
95th percentile per-packet one-way delay: 2.501 ms
Loss rate: 0.16%
```

Run 1: Report of LEDBAT — Data Link

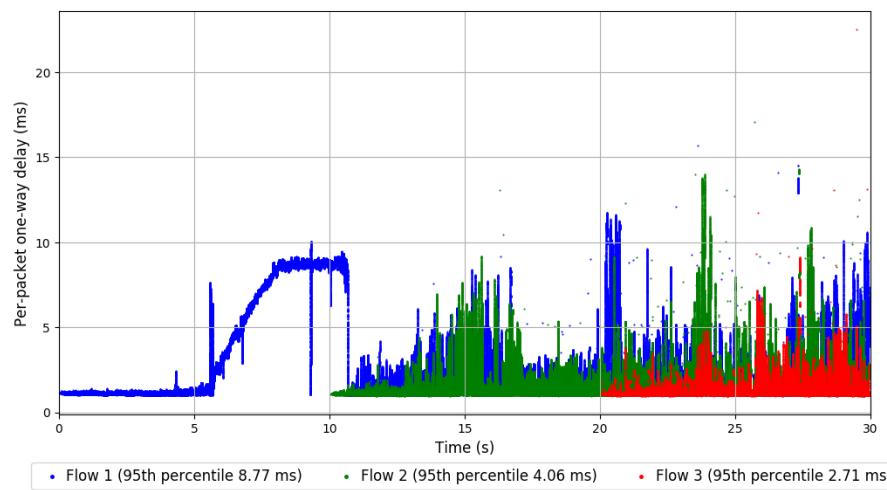
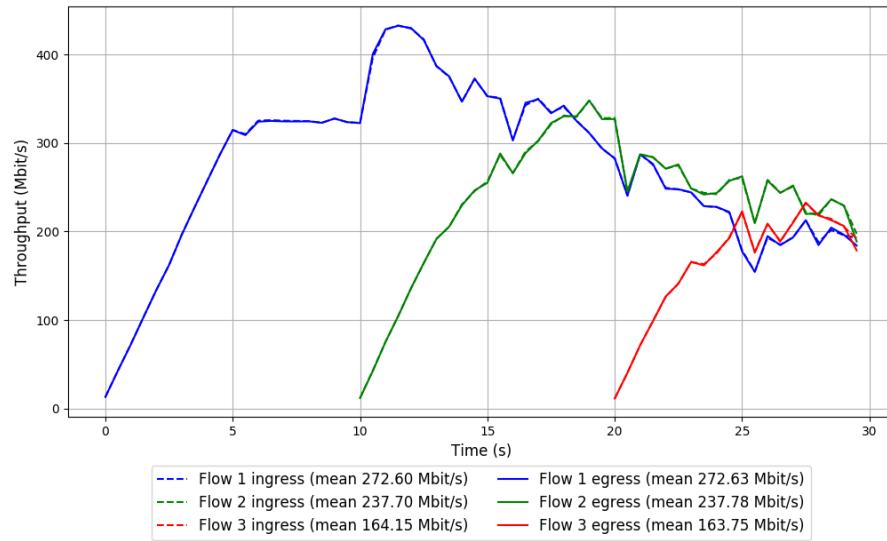


Run 2: Statistics of LEDBAT

```
Start at: 2018-04-24 17:32:57
End at: 2018-04-24 17:33:27
Local clock offset: 0.46 ms
Remote clock offset: -5.912 ms

# Below is generated by plot.py at 2018-04-25 02:40:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 484.87 Mbit/s
95th percentile per-packet one-way delay: 8.617 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 272.63 Mbit/s
95th percentile per-packet one-way delay: 8.766 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 237.78 Mbit/s
95th percentile per-packet one-way delay: 4.056 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 163.75 Mbit/s
95th percentile per-packet one-way delay: 2.710 ms
Loss rate: 0.44%
```

Run 2: Report of LEDBAT — Data Link

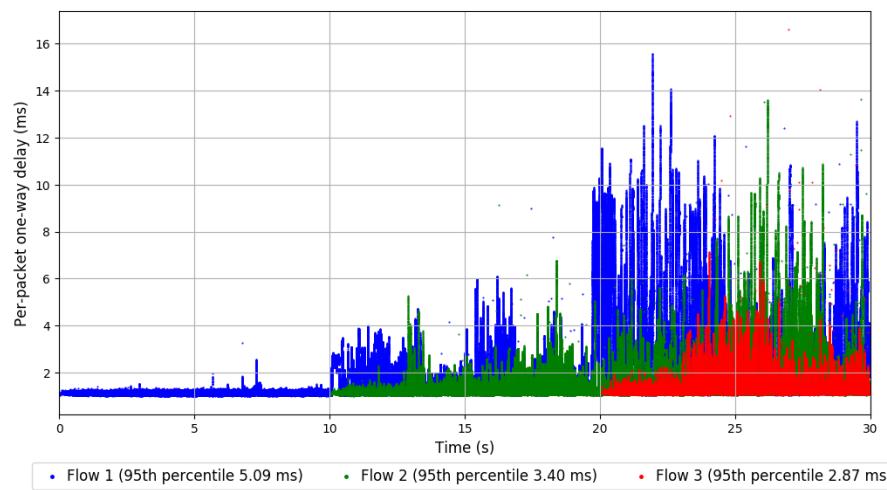
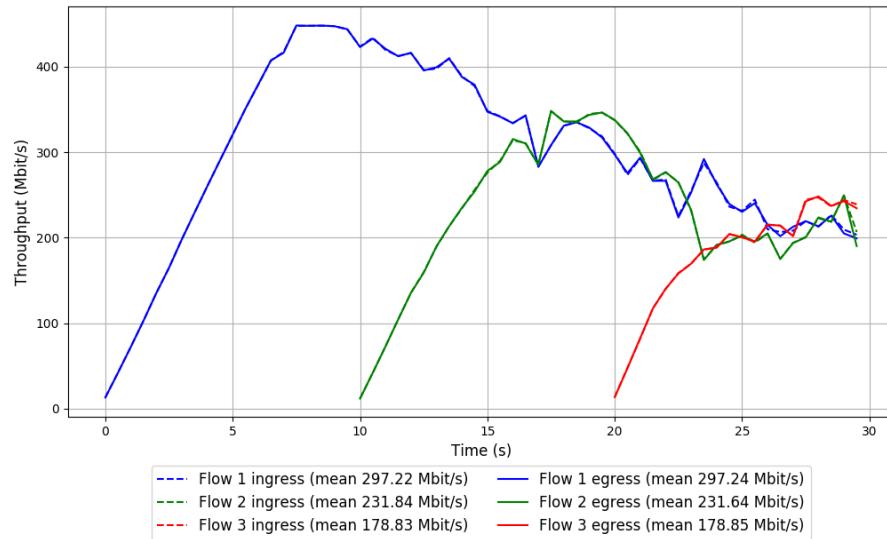


Run 3: Statistics of LEDBAT

```
Start at: 2018-04-24 17:59:35
End at: 2018-04-24 18:00:05
Local clock offset: -0.425 ms
Remote clock offset: -5.762 ms

# Below is generated by plot.py at 2018-04-25 02:40:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 510.42 Mbit/s
95th percentile per-packet one-way delay: 4.135 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 297.24 Mbit/s
95th percentile per-packet one-way delay: 5.092 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 231.64 Mbit/s
95th percentile per-packet one-way delay: 3.395 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 178.85 Mbit/s
95th percentile per-packet one-way delay: 2.872 ms
Loss rate: 0.17%
```

Run 3: Report of LEDBAT — Data Link

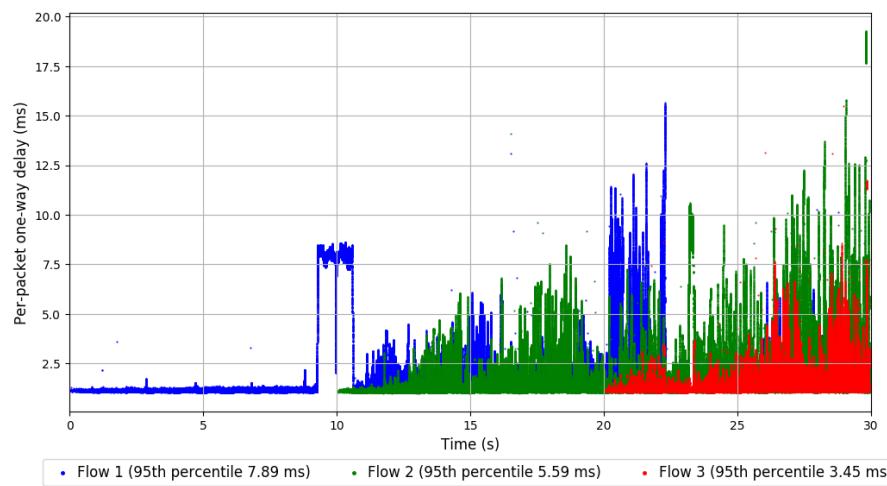
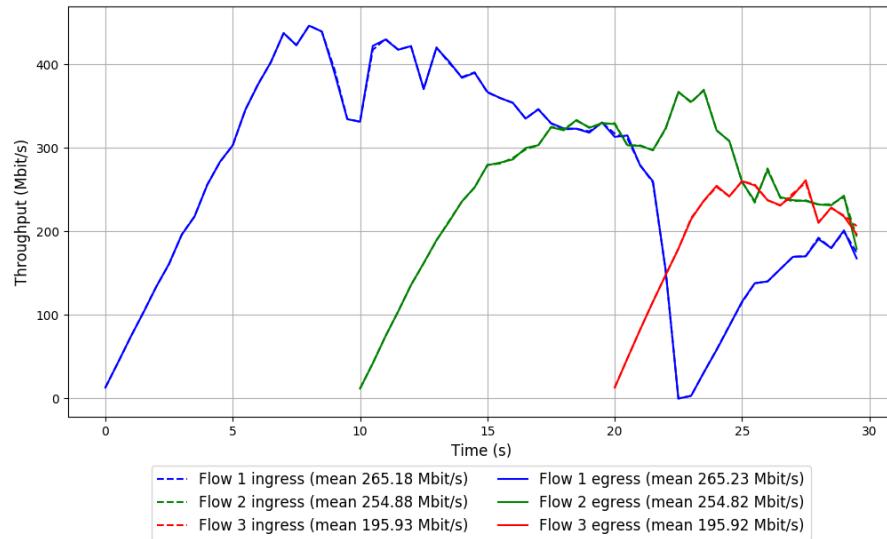


Run 4: Statistics of LEDBAT

```
Start at: 2018-04-24 18:26:09
End at: 2018-04-24 18:26:39
Local clock offset: -1.351 ms
Remote clock offset: -4.956 ms

# Below is generated by plot.py at 2018-04-25 02:40:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 499.41 Mbit/s
95th percentile per-packet one-way delay: 6.312 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 265.23 Mbit/s
95th percentile per-packet one-way delay: 7.888 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 254.82 Mbit/s
95th percentile per-packet one-way delay: 5.589 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 195.92 Mbit/s
95th percentile per-packet one-way delay: 3.449 ms
Loss rate: 0.28%
```

Run 4: Report of LEDBAT — Data Link

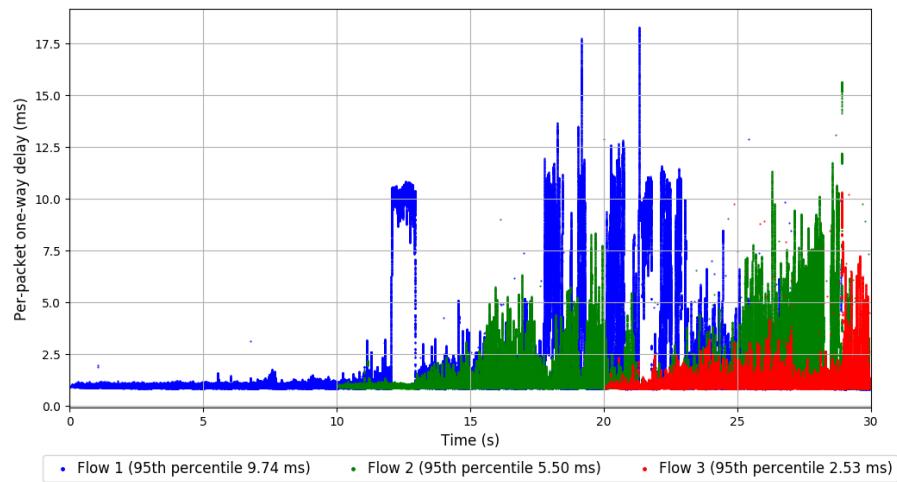
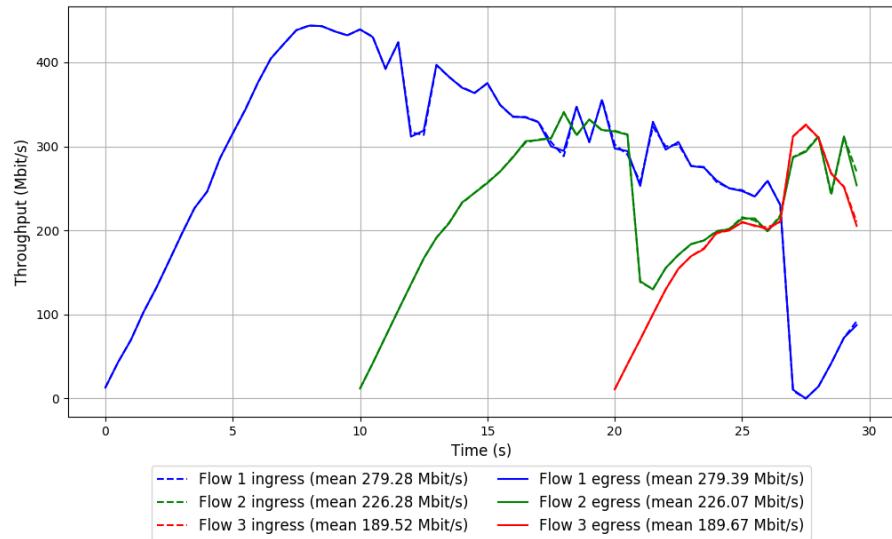


Run 5: Statistics of LEDBAT

```
Start at: 2018-04-24 18:52:30
End at: 2018-04-24 18:53:00
Local clock offset: -0.3 ms
Remote clock offset: -6.325 ms

# Below is generated by plot.py at 2018-04-25 02:43:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 492.37 Mbit/s
95th percentile per-packet one-way delay: 7.654 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 279.39 Mbit/s
95th percentile per-packet one-way delay: 9.738 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 226.07 Mbit/s
95th percentile per-packet one-way delay: 5.499 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 189.67 Mbit/s
95th percentile per-packet one-way delay: 2.531 ms
Loss rate: 0.18%
```

Run 5: Report of LEDBAT — Data Link

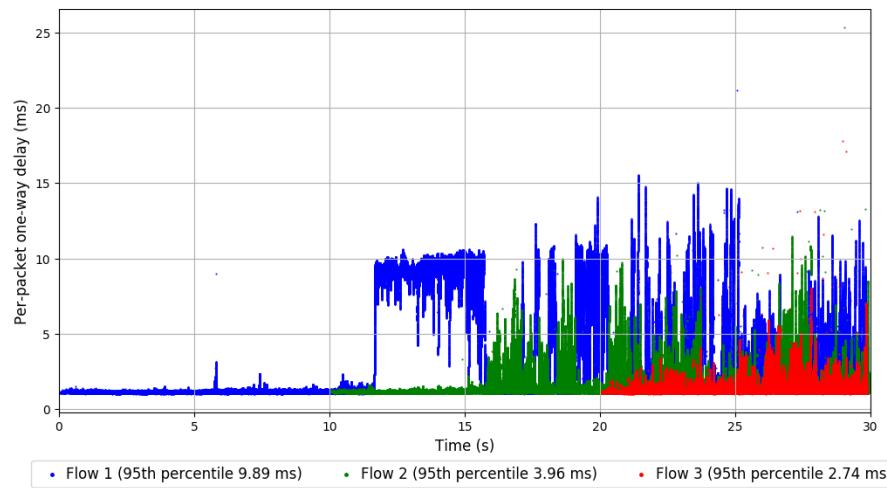
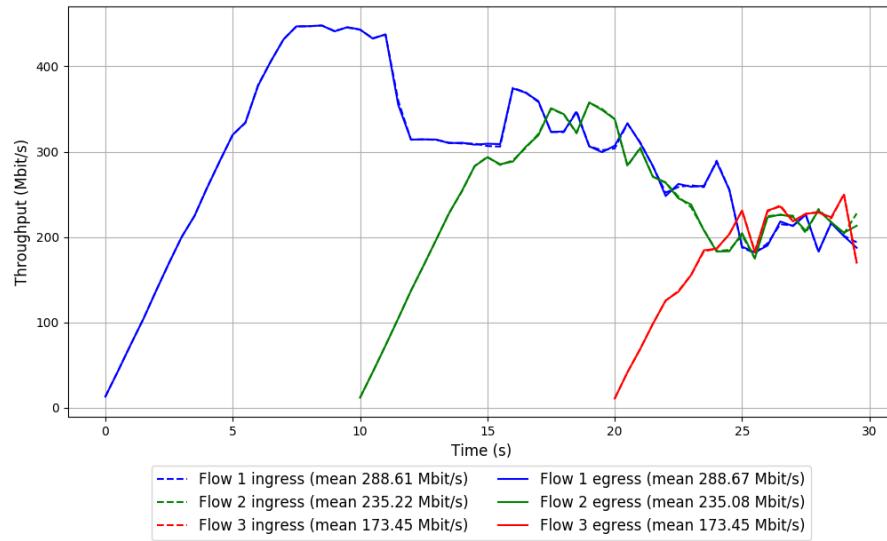


Run 6: Statistics of LEDBAT

```
Start at: 2018-04-24 19:19:15
End at: 2018-04-24 19:19:45
Local clock offset: 0.825 ms
Remote clock offset: -6.149 ms

# Below is generated by plot.py at 2018-04-25 02:44:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 501.93 Mbit/s
95th percentile per-packet one-way delay: 9.608 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 288.67 Mbit/s
95th percentile per-packet one-way delay: 9.887 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 235.08 Mbit/s
95th percentile per-packet one-way delay: 3.961 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 173.45 Mbit/s
95th percentile per-packet one-way delay: 2.741 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

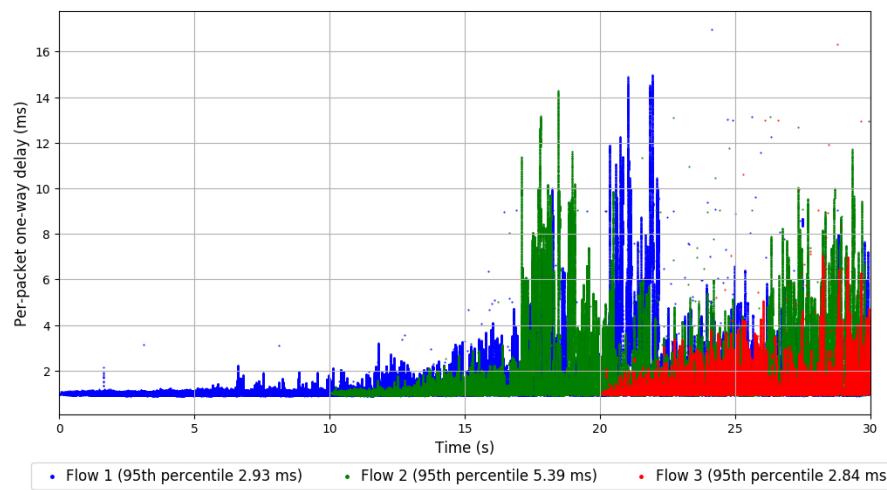
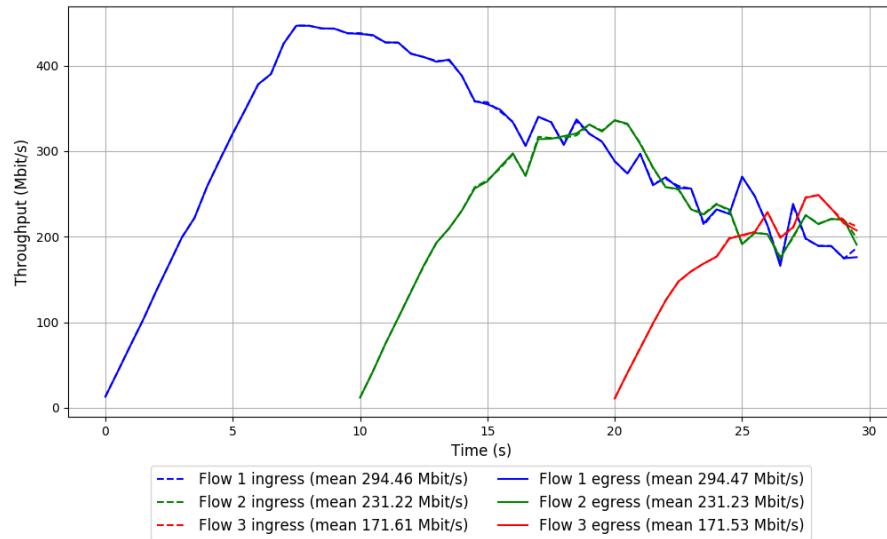


Run 7: Statistics of LEDBAT

```
Start at: 2018-04-24 19:45:54
End at: 2018-04-24 19:46:24
Local clock offset: 1.048 ms
Remote clock offset: -5.55 ms

# Below is generated by plot.py at 2018-04-25 02:44:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 504.88 Mbit/s
95th percentile per-packet one-way delay: 3.843 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 294.47 Mbit/s
95th percentile per-packet one-way delay: 2.932 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 231.23 Mbit/s
95th percentile per-packet one-way delay: 5.389 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 171.53 Mbit/s
95th percentile per-packet one-way delay: 2.836 ms
Loss rate: 0.23%
```

Run 7: Report of LEDBAT — Data Link

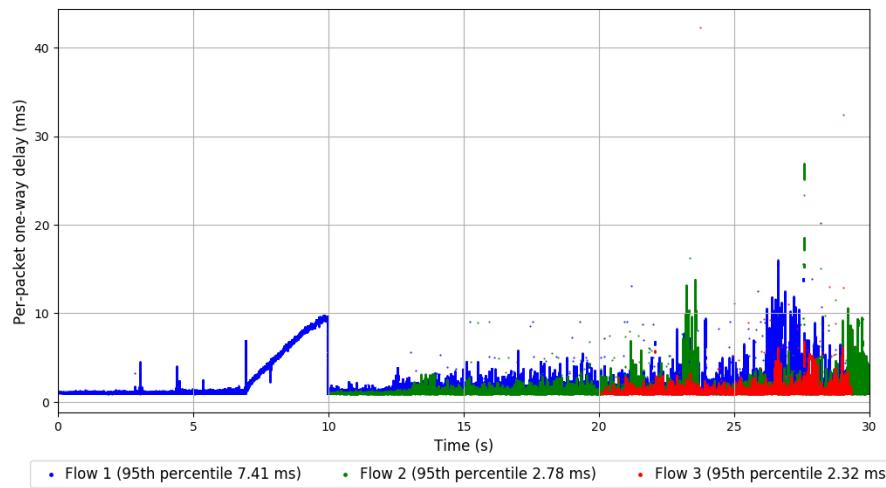
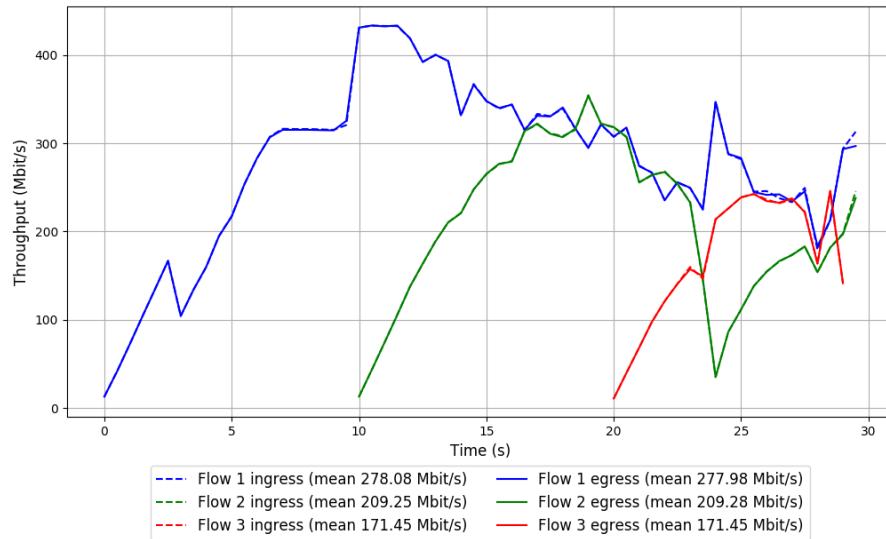


Run 8: Statistics of LEDBAT

```
Start at: 2018-04-24 20:12:25
End at: 2018-04-24 20:12:55
Local clock offset: 0.382 ms
Remote clock offset: -5.207 ms

# Below is generated by plot.py at 2018-04-25 02:44:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 470.37 Mbit/s
95th percentile per-packet one-way delay: 5.906 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 277.98 Mbit/s
95th percentile per-packet one-way delay: 7.409 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 209.28 Mbit/s
95th percentile per-packet one-way delay: 2.778 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 171.45 Mbit/s
95th percentile per-packet one-way delay: 2.317 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

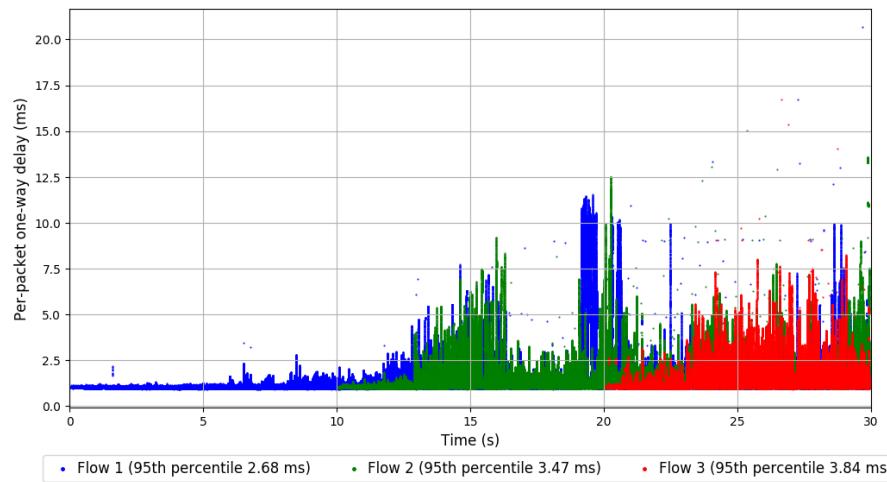
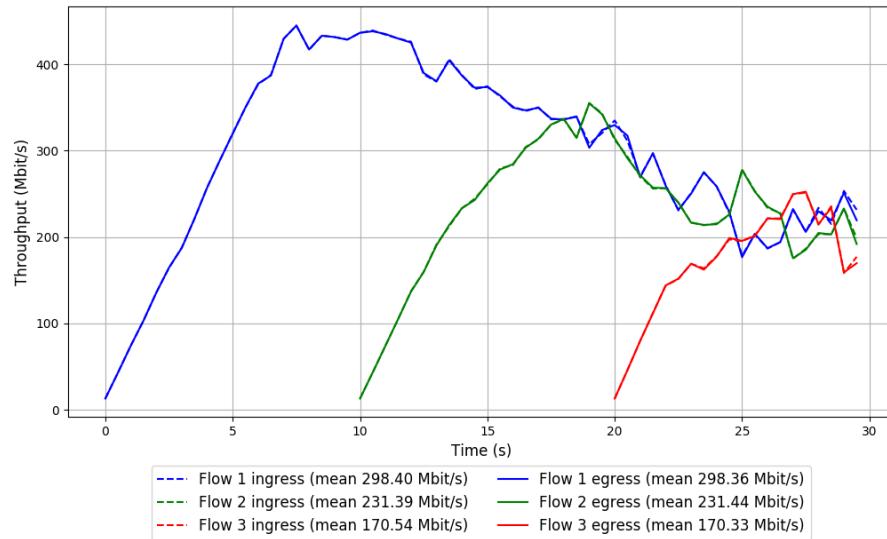


Run 9: Statistics of LEDBAT

```
Start at: 2018-04-24 20:38:56
End at: 2018-04-24 20:39:26
Local clock offset: 0.475 ms
Remote clock offset: -5.136 ms

# Below is generated by plot.py at 2018-04-25 02:47:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 508.63 Mbit/s
95th percentile per-packet one-way delay: 3.228 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 298.36 Mbit/s
95th percentile per-packet one-way delay: 2.683 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 231.44 Mbit/s
95th percentile per-packet one-way delay: 3.473 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 170.33 Mbit/s
95th percentile per-packet one-way delay: 3.837 ms
Loss rate: 0.24%
```

Run 9: Report of LEDBAT — Data Link

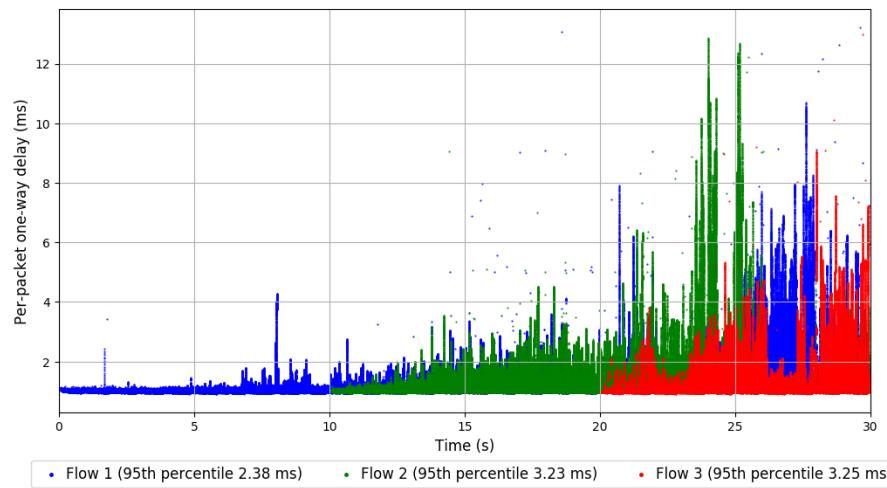
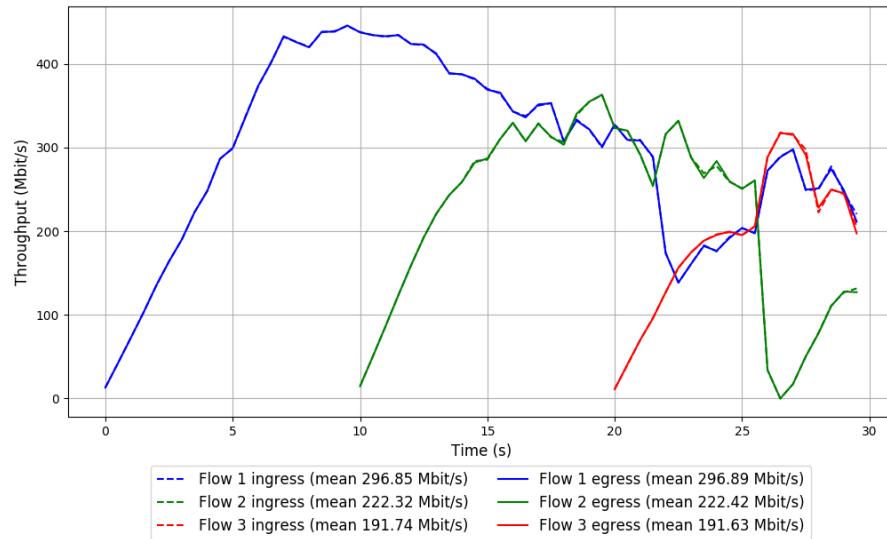


Run 10: Statistics of LEDBAT

```
Start at: 2018-04-24 21:05:31
End at: 2018-04-24 21:06:01
Local clock offset: 0.385 ms
Remote clock offset: -5.394 ms

# Below is generated by plot.py at 2018-04-25 02:47:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 508.14 Mbit/s
95th percentile per-packet one-way delay: 2.758 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 296.89 Mbit/s
95th percentile per-packet one-way delay: 2.377 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 222.42 Mbit/s
95th percentile per-packet one-way delay: 3.232 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 191.63 Mbit/s
95th percentile per-packet one-way delay: 3.246 ms
Loss rate: 0.23%
```

Run 10: Report of LEDBAT — Data Link

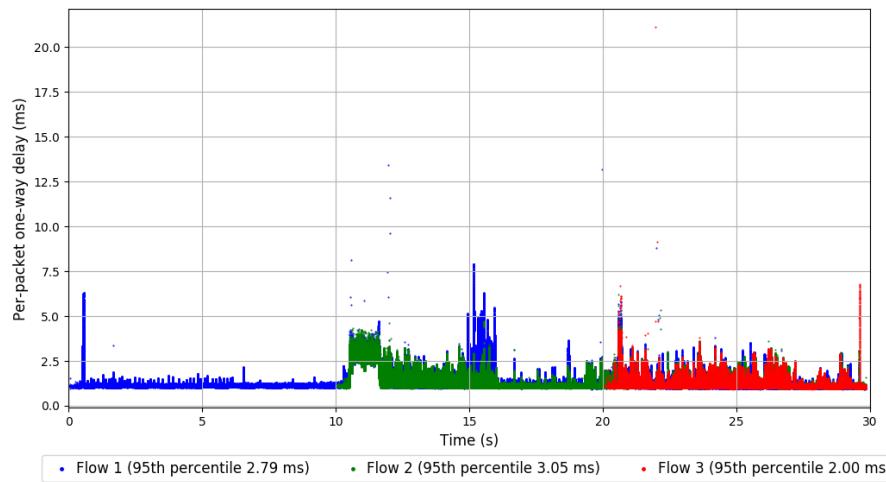
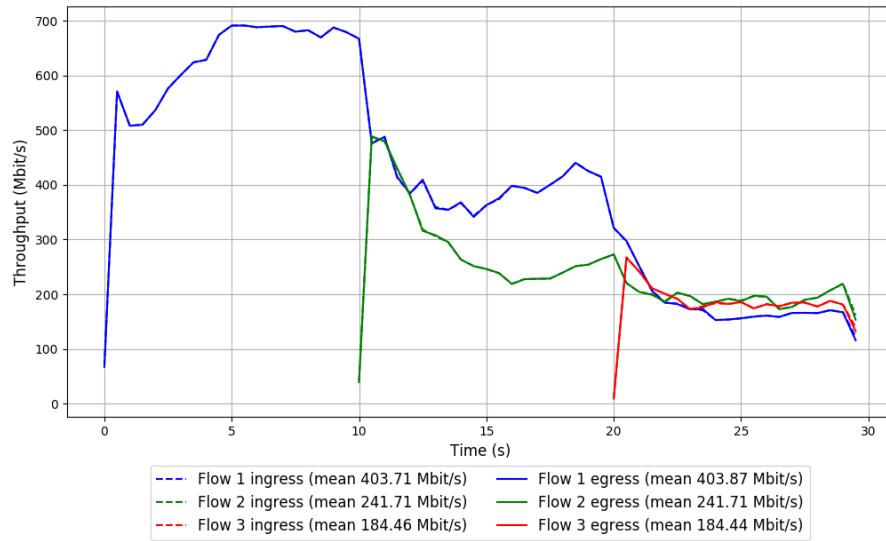


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-04-24 17:23:50
End at: 2018-04-24 17:24:20
Local clock offset: 0.457 ms
Remote clock offset: -5.229 ms

# Below is generated by plot.py at 2018-04-25 02:48:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 624.90 Mbit/s
95th percentile per-packet one-way delay: 2.899 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 403.87 Mbit/s
95th percentile per-packet one-way delay: 2.792 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 241.71 Mbit/s
95th percentile per-packet one-way delay: 3.047 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 184.44 Mbit/s
95th percentile per-packet one-way delay: 2.002 ms
Loss rate: 0.21%
```

Run 1: Report of PCC-Allegro — Data Link

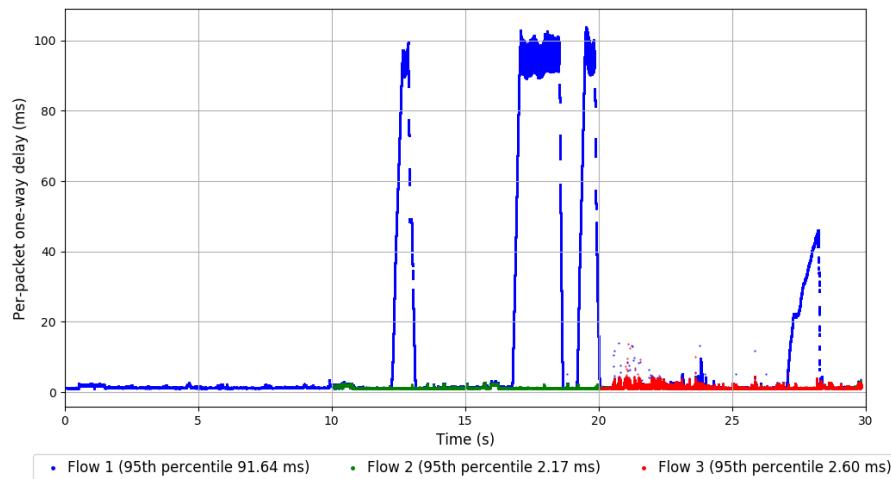
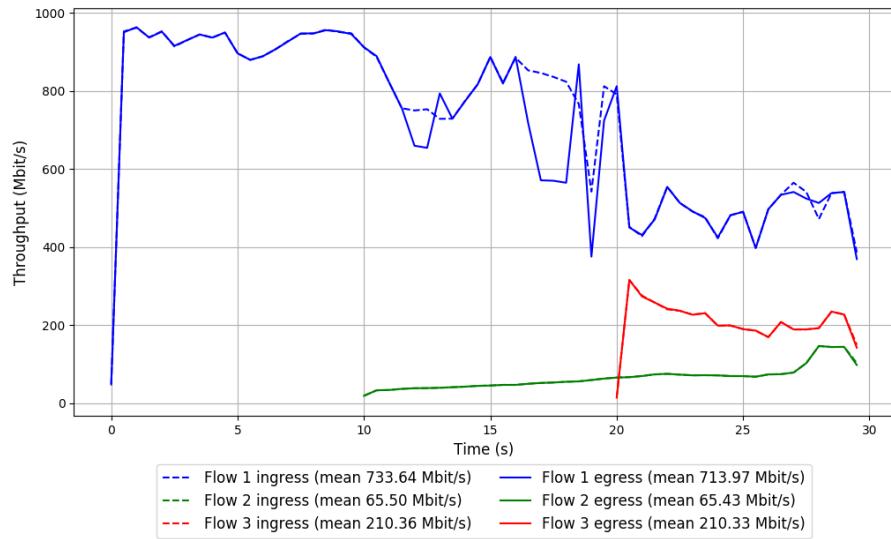


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-04-24 17:50:26
End at: 2018-04-24 17:50:56
Local clock offset: -0.082 ms
Remote clock offset: -6.215 ms

# Below is generated by plot.py at 2018-04-25 02:53:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 826.44 Mbit/s
95th percentile per-packet one-way delay: 88.249 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 713.97 Mbit/s
95th percentile per-packet one-way delay: 91.639 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 65.43 Mbit/s
95th percentile per-packet one-way delay: 2.166 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 210.33 Mbit/s
95th percentile per-packet one-way delay: 2.596 ms
Loss rate: 0.19%
```

Run 2: Report of PCC-Allegro — Data Link

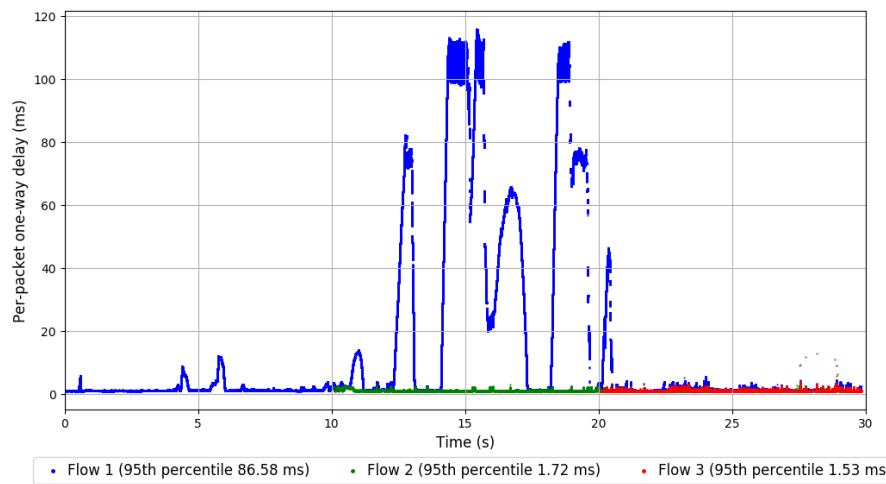
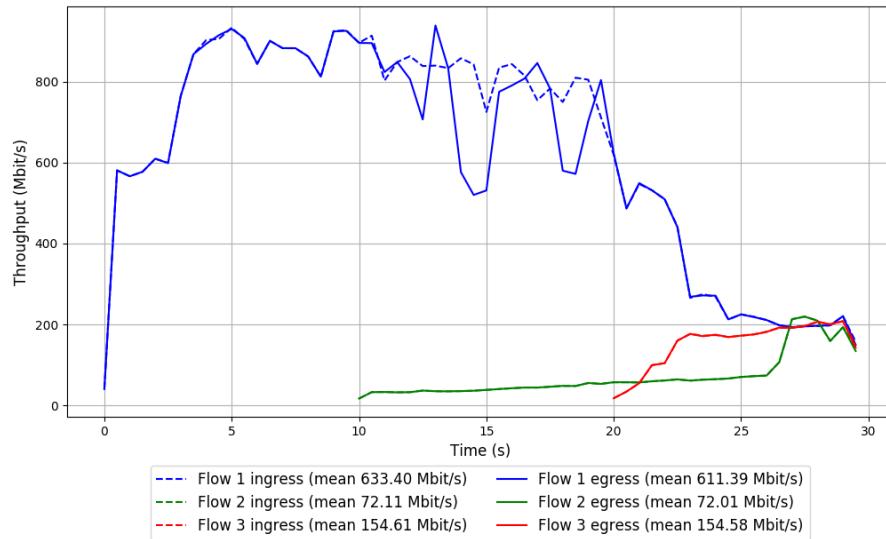


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-04-24 18:17:03
End at: 2018-04-24 18:17:33
Local clock offset: -1.06 ms
Remote clock offset: -5.159 ms

# Below is generated by plot.py at 2018-04-25 02:54:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 709.95 Mbit/s
95th percentile per-packet one-way delay: 77.625 ms
Loss rate: 3.09%
-- Flow 1:
Average throughput: 611.39 Mbit/s
95th percentile per-packet one-way delay: 86.581 ms
Loss rate: 3.53%
-- Flow 2:
Average throughput: 72.01 Mbit/s
95th percentile per-packet one-way delay: 1.715 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 154.58 Mbit/s
95th percentile per-packet one-way delay: 1.535 ms
Loss rate: 0.26%
```

Run 3: Report of PCC-Allegro — Data Link

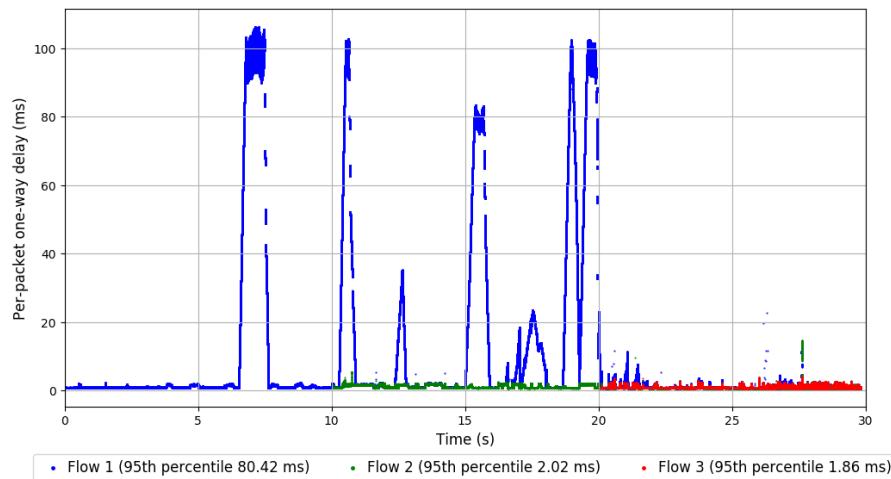
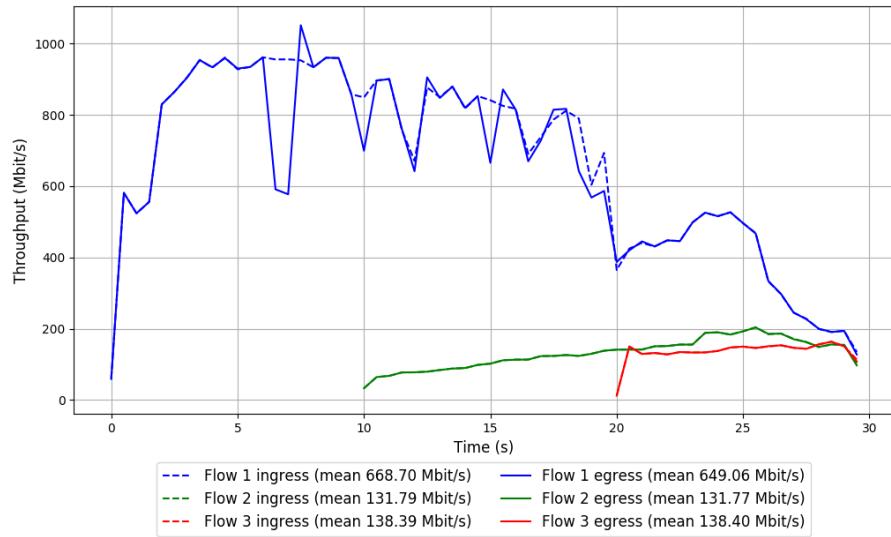


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-04-24 18:43:21
End at: 2018-04-24 18:43:51
Local clock offset: -1.826 ms
Remote clock offset: -6.16 ms

# Below is generated by plot.py at 2018-04-25 02:56:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 781.96 Mbit/s
95th percentile per-packet one-way delay: 77.046 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 649.06 Mbit/s
95th percentile per-packet one-way delay: 80.419 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 131.77 Mbit/s
95th percentile per-packet one-way delay: 2.024 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 138.40 Mbit/s
95th percentile per-packet one-way delay: 1.856 ms
Loss rate: 0.21%
```

Run 4: Report of PCC-Allegro — Data Link

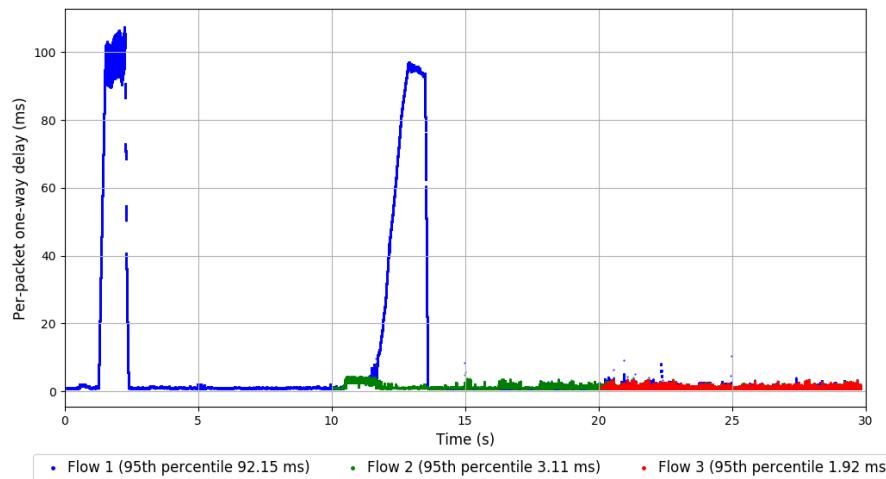
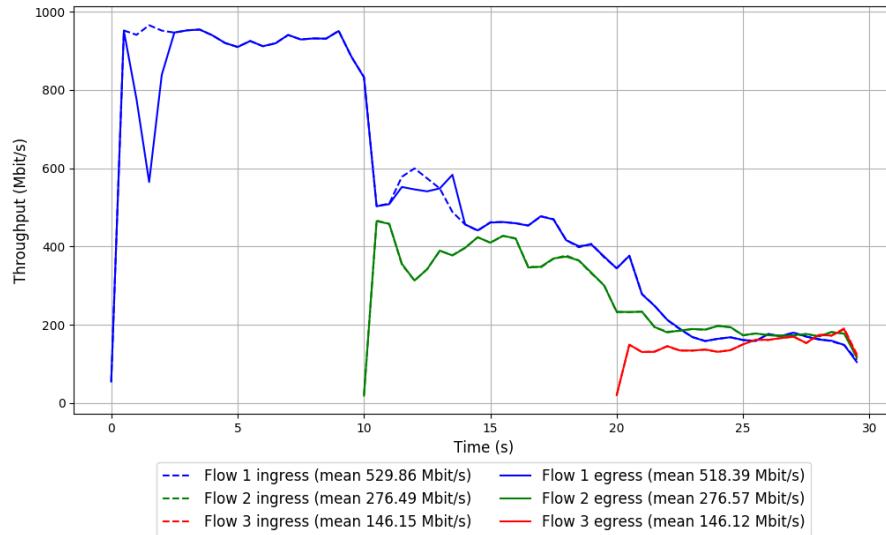


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-04-24 19:10:06
End at: 2018-04-24 19:10:36
Local clock offset: 0.695 ms
Remote clock offset: -6.213 ms

# Below is generated by plot.py at 2018-04-25 02:56:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 749.83 Mbit/s
95th percentile per-packet one-way delay: 63.309 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 518.39 Mbit/s
95th percentile per-packet one-way delay: 92.146 ms
Loss rate: 2.23%
-- Flow 2:
Average throughput: 276.57 Mbit/s
95th percentile per-packet one-way delay: 3.111 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 146.12 Mbit/s
95th percentile per-packet one-way delay: 1.916 ms
Loss rate: 0.23%
```

Run 5: Report of PCC-Allegro — Data Link

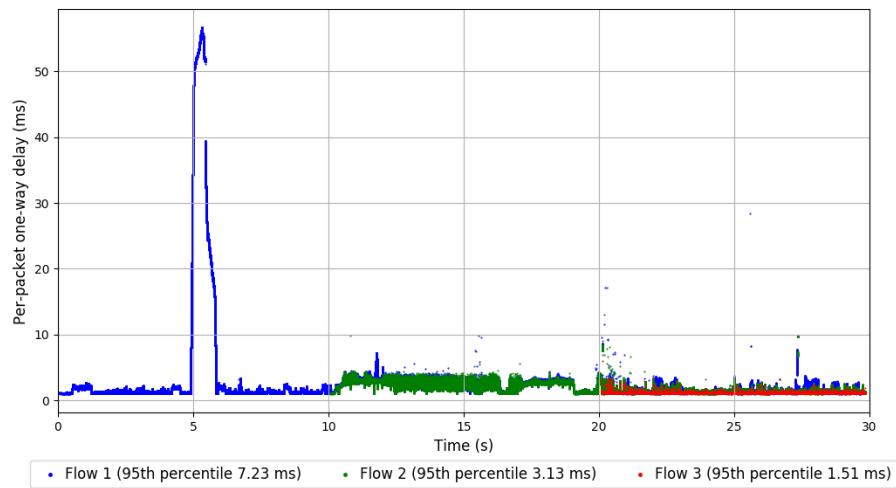
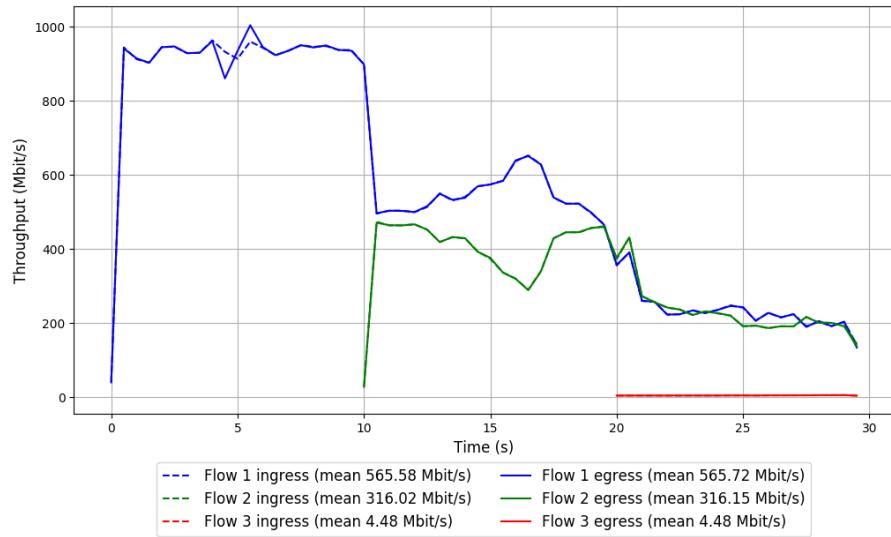


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-04-24 19:36:45
End at: 2018-04-24 19:37:15
Local clock offset: 0.842 ms
Remote clock offset: -6.064 ms

# Below is generated by plot.py at 2018-04-25 02:56:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 777.04 Mbit/s
95th percentile per-packet one-way delay: 3.275 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 565.72 Mbit/s
95th percentile per-packet one-way delay: 7.234 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 316.15 Mbit/s
95th percentile per-packet one-way delay: 3.129 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 1.513 ms
Loss rate: 0.25%
```

Run 6: Report of PCC-Allegro — Data Link

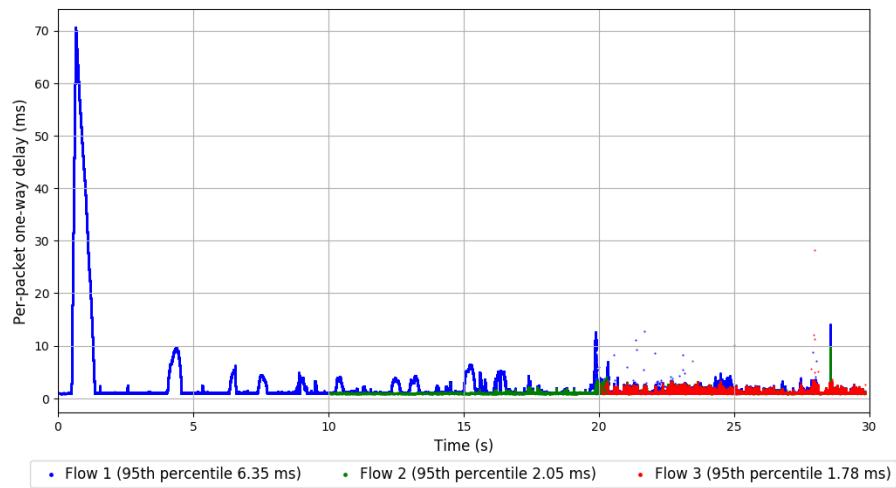
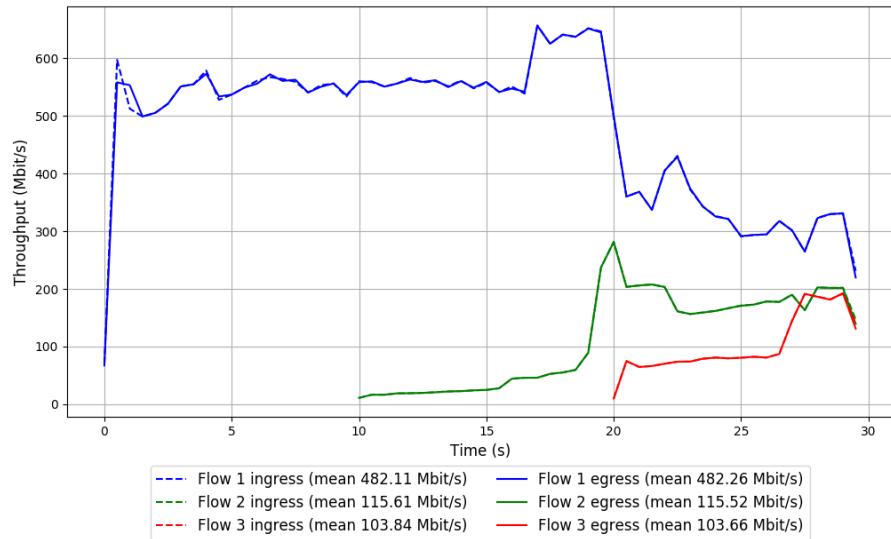


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-04-24 20:03:22
End at: 2018-04-24 20:03:52
Local clock offset: 0.462 ms
Remote clock offset: -5.266 ms

# Below is generated by plot.py at 2018-04-25 02:56:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 592.97 Mbit/s
95th percentile per-packet one-way delay: 5.301 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 482.26 Mbit/s
95th percentile per-packet one-way delay: 6.351 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 115.52 Mbit/s
95th percentile per-packet one-way delay: 2.052 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 103.66 Mbit/s
95th percentile per-packet one-way delay: 1.778 ms
Loss rate: 0.36%
```

Run 7: Report of PCC-Allegro — Data Link

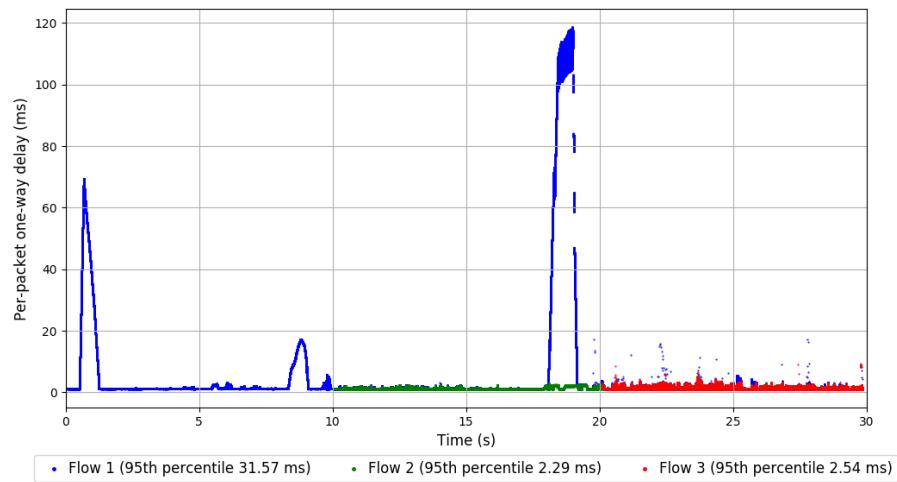
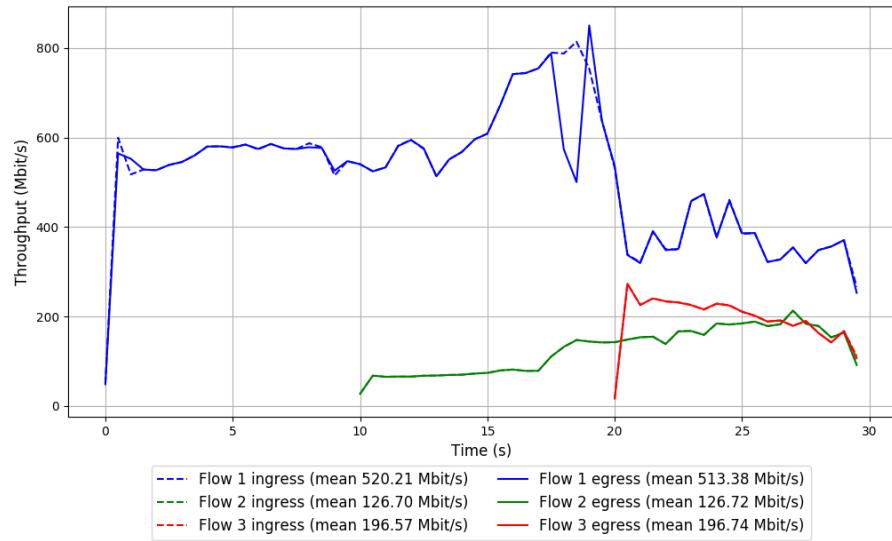


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-04-24 20:29:50
End at: 2018-04-24 20:30:20
Local clock offset: 0.464 ms
Remote clock offset: -5.248 ms

# Below is generated by plot.py at 2018-04-25 02:57:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 662.16 Mbit/s
95th percentile per-packet one-way delay: 16.092 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 513.38 Mbit/s
95th percentile per-packet one-way delay: 31.569 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 126.72 Mbit/s
95th percentile per-packet one-way delay: 2.294 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 196.74 Mbit/s
95th percentile per-packet one-way delay: 2.536 ms
Loss rate: 0.13%
```

Run 8: Report of PCC-Allegro — Data Link

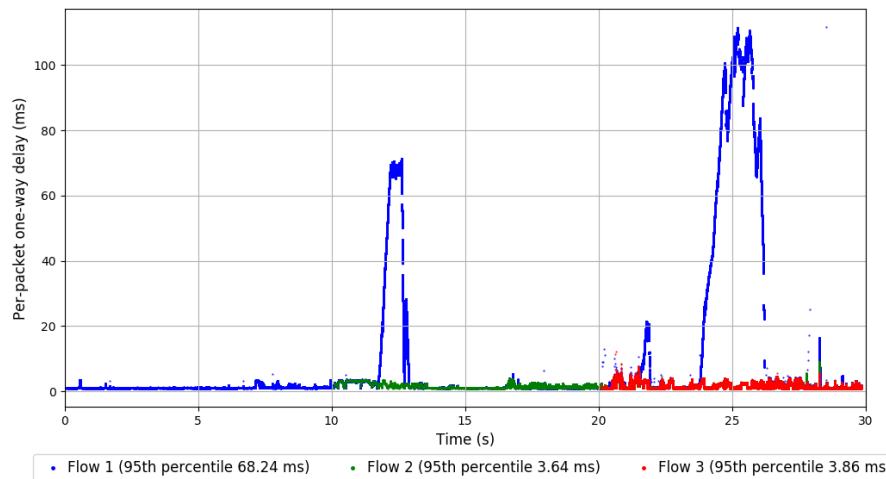
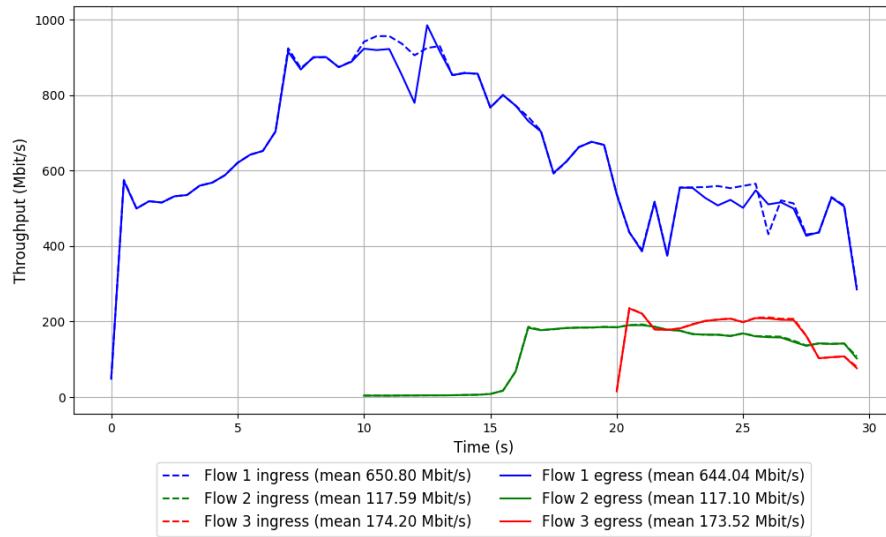


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-04-24 20:56:21
End at: 2018-04-24 20:56:51
Local clock offset: 0.594 ms
Remote clock offset: -5.335 ms

# Below is generated by plot.py at 2018-04-25 03:01:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 778.70 Mbit/s
95th percentile per-packet one-way delay: 66.542 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 644.04 Mbit/s
95th percentile per-packet one-way delay: 68.238 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 117.10 Mbit/s
95th percentile per-packet one-way delay: 3.642 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 173.52 Mbit/s
95th percentile per-packet one-way delay: 3.857 ms
Loss rate: 0.57%
```

Run 9: Report of PCC-Allegro — Data Link

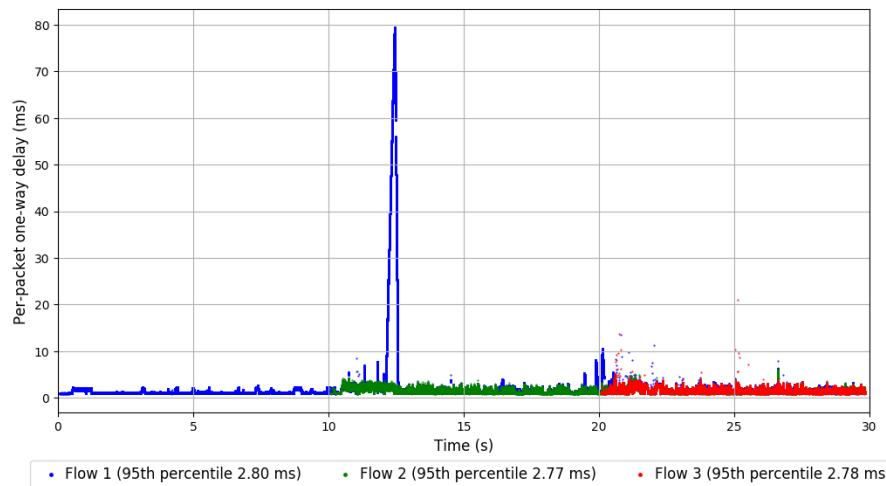
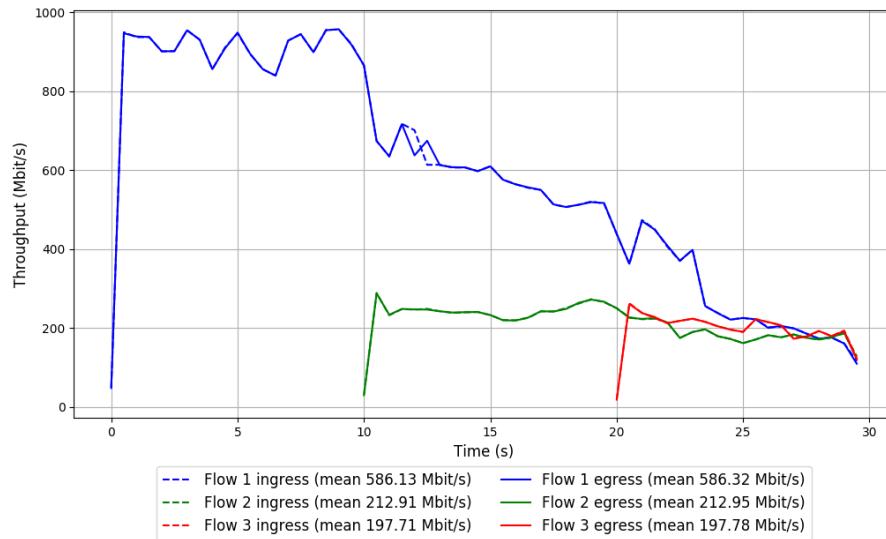


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-04-24 21:23:03
End at: 2018-04-24 21:23:33
Local clock offset: 0.263 ms
Remote clock offset: -5.358 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 792.60 Mbit/s
95th percentile per-packet one-way delay: 2.787 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 586.32 Mbit/s
95th percentile per-packet one-way delay: 2.798 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 212.95 Mbit/s
95th percentile per-packet one-way delay: 2.767 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 197.78 Mbit/s
95th percentile per-packet one-way delay: 2.784 ms
Loss rate: 0.12%
```

Run 10: Report of PCC-Allegro — Data Link

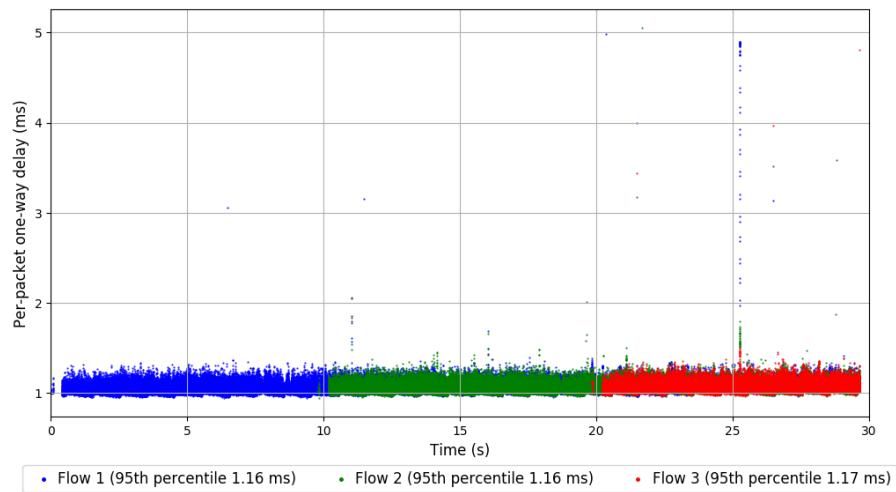
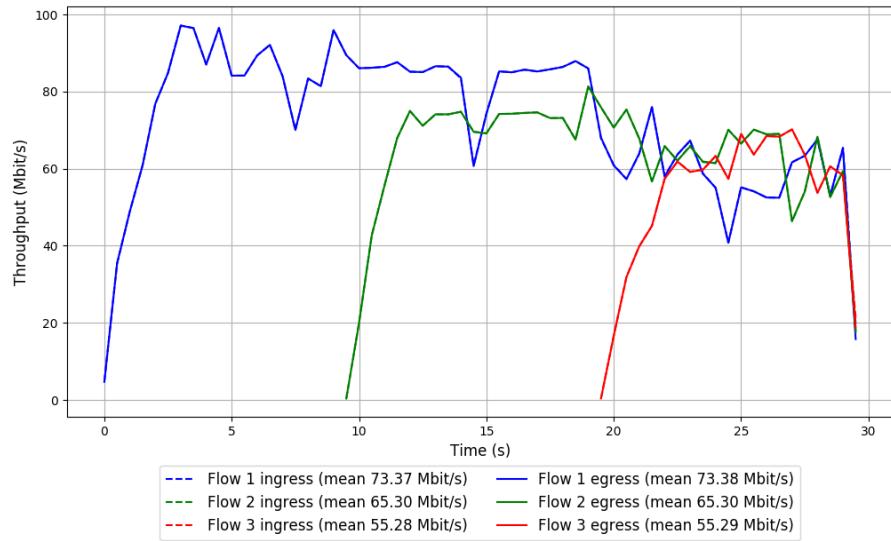


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-24 17:10:54
End at: 2018-04-24 17:11:24
Local clock offset: 0.368 ms
Remote clock offset: -4.933 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 135.46 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 73.38 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 65.30 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 55.29 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.24%
```

Run 1: Report of QUIC Cubic — Data Link

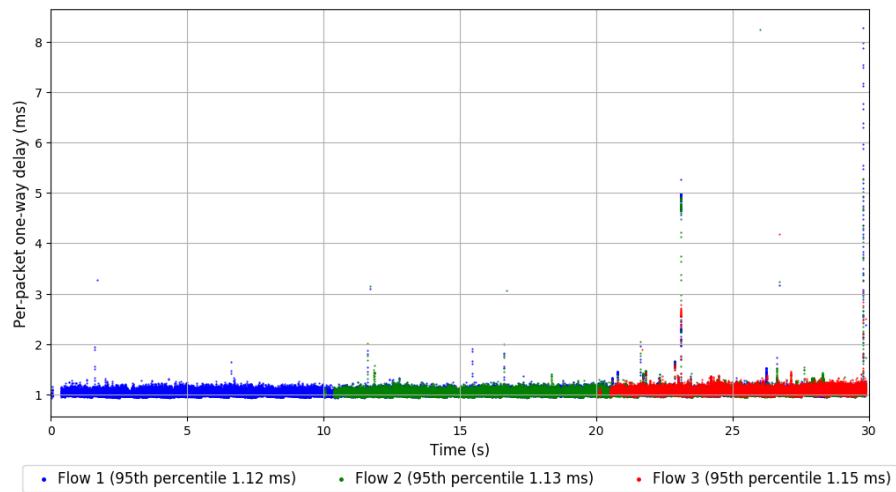
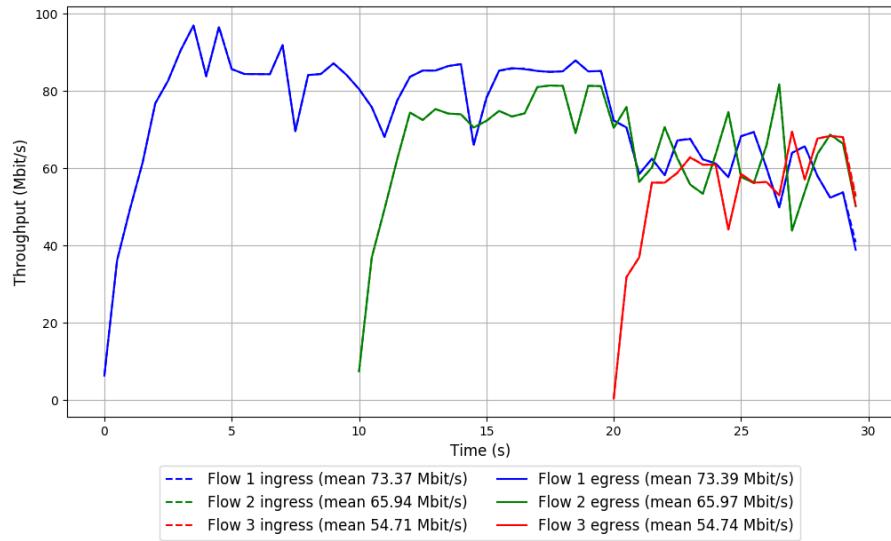


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-04-24 17:37:31
End at: 2018-04-24 17:38:01
Local clock offset: 0.356 ms
Remote clock offset: -6.018 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 135.25 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 73.39 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 65.97 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 54.74 Mbit/s
95th percentile per-packet one-way delay: 1.154 ms
Loss rate: 0.26%
```

Run 2: Report of QUIC Cubic — Data Link

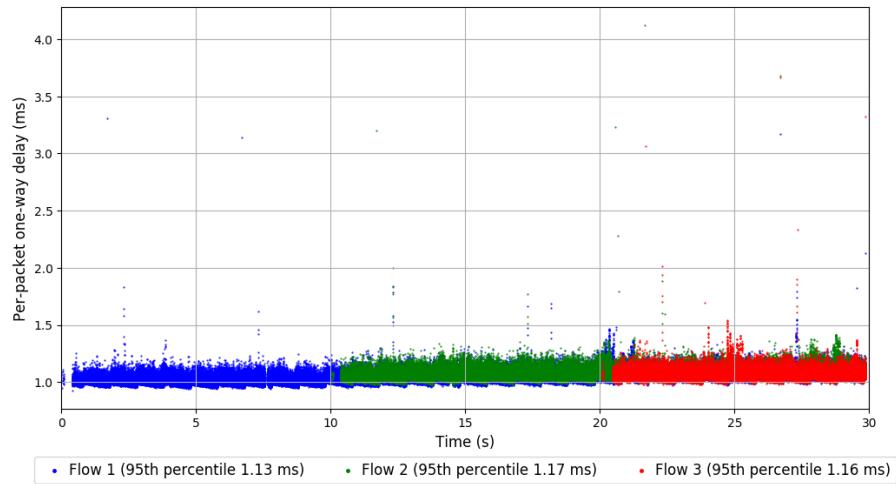
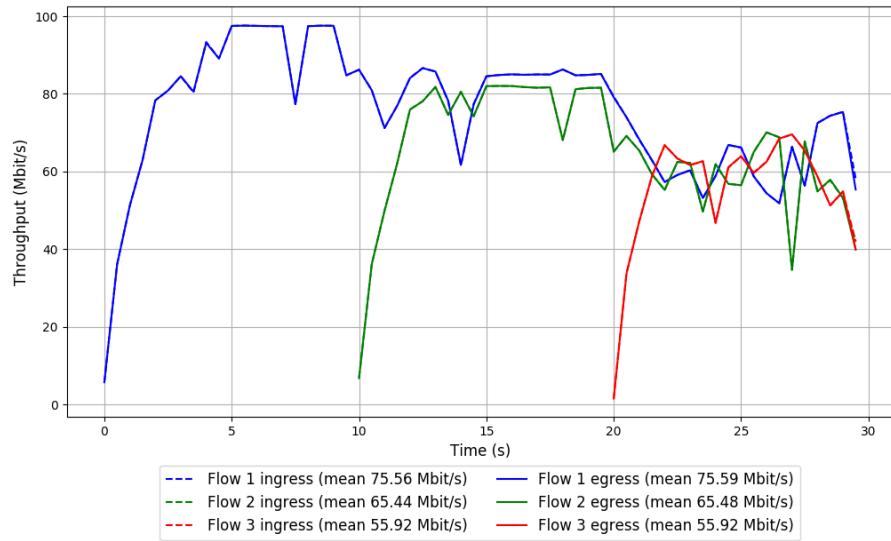


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-04-24 18:04:08
End at: 2018-04-24 18:04:38
Local clock offset: -0.668 ms
Remote clock offset: -5.542 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 137.48 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 75.59 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 65.48 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.18%
```

Run 3: Report of QUIC Cubic — Data Link

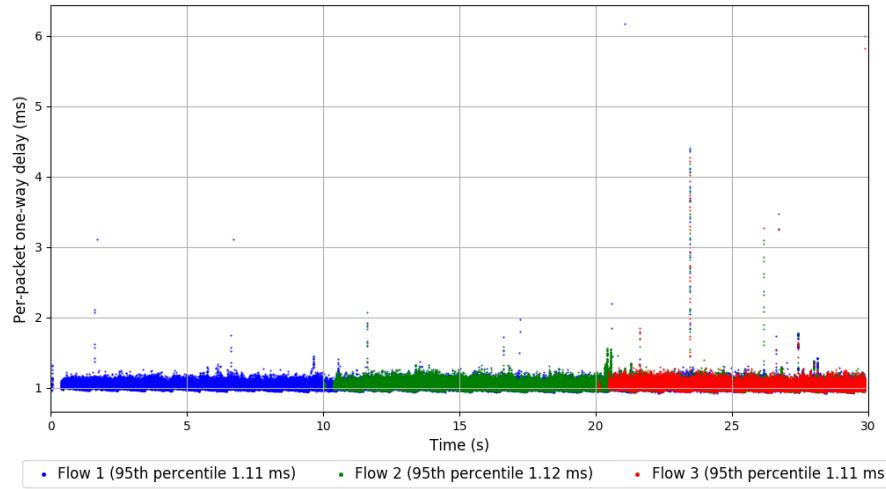
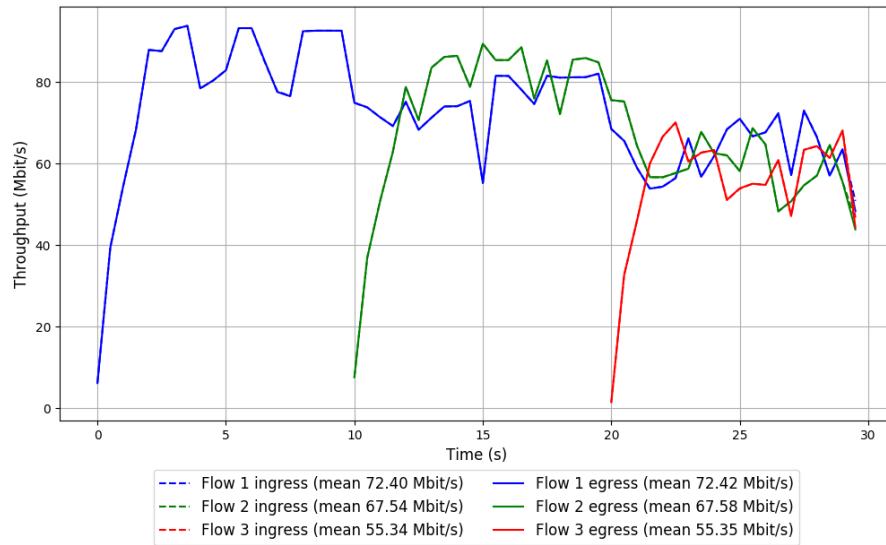


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-04-24 18:30:44
End at: 2018-04-24 18:31:14
Local clock offset: -1.486 ms
Remote clock offset: -5.252 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 135.54 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 72.42 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 67.58 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 55.35 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.23%
```

Run 4: Report of QUIC Cubic — Data Link

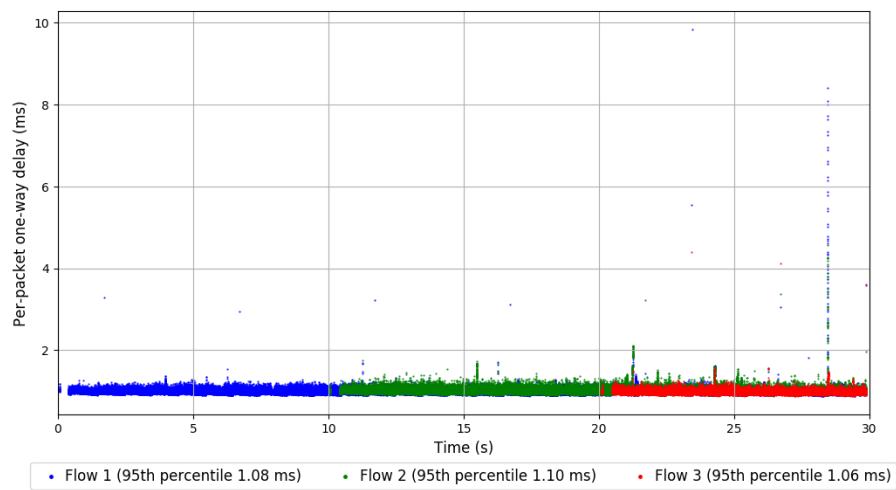
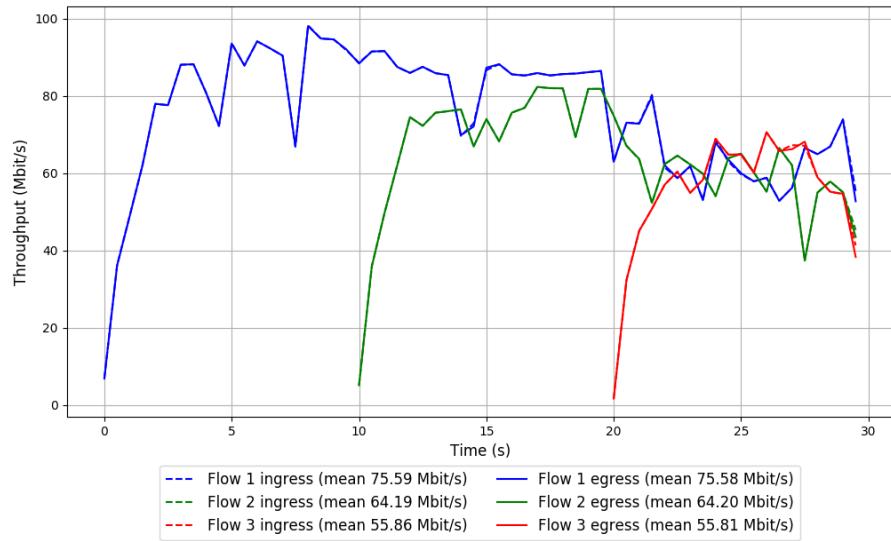


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-04-24 18:57:07
End at: 2018-04-24 18:57:37
Local clock offset: 0.08 ms
Remote clock offset: -6.437 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 136.61 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 75.58 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 64.20 Mbit/s
95th percentile per-packet one-way delay: 1.104 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 55.81 Mbit/s
95th percentile per-packet one-way delay: 1.065 ms
Loss rate: 0.27%
```

Run 5: Report of QUIC Cubic — Data Link

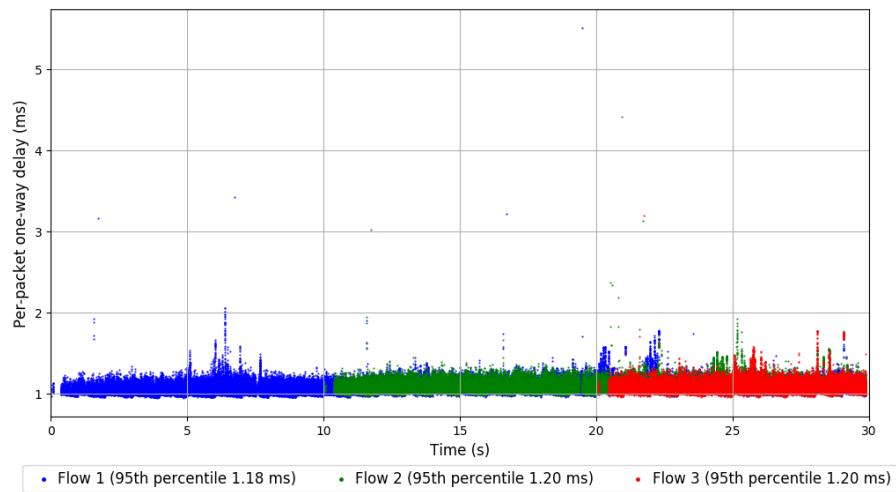
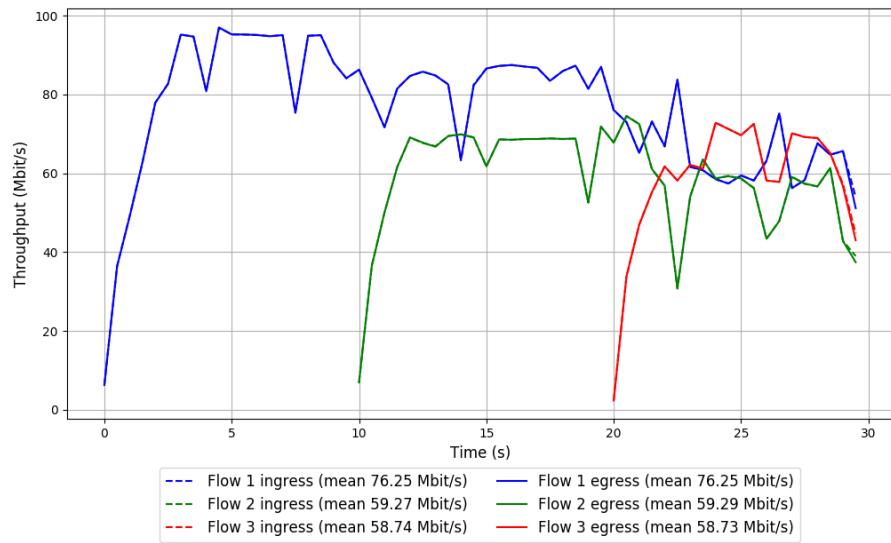


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-04-24 19:23:51
End at: 2018-04-24 19:24:21
Local clock offset: 0.76 ms
Remote clock offset: -6.059 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 135.04 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 76.25 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 58.73 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.21%
```

Run 6: Report of QUIC Cubic — Data Link

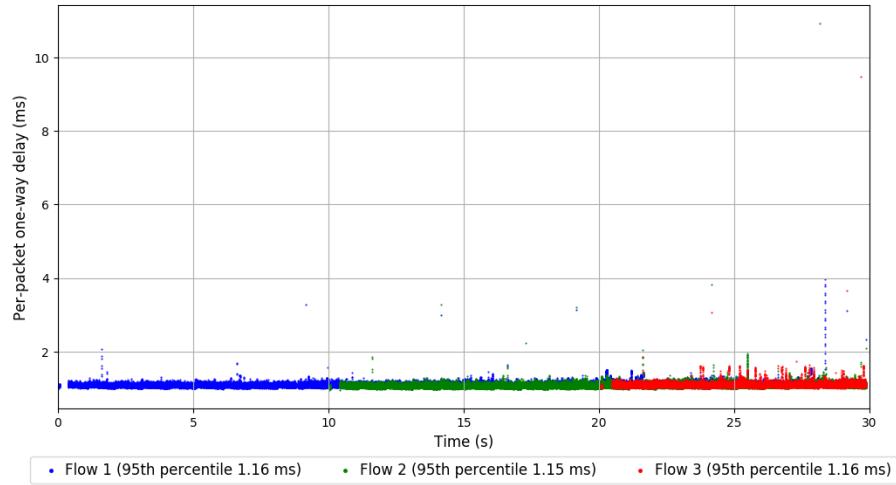
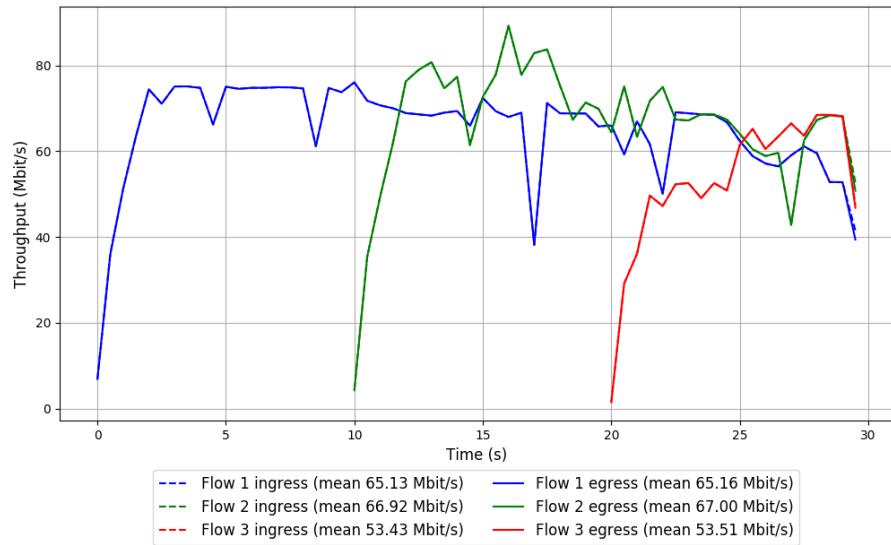


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-04-24 19:50:30
End at: 2018-04-24 19:51:00
Local clock offset: 1.164 ms
Remote clock offset: -5.497 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 127.33 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 65.16 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 67.00 Mbit/s
95th percentile per-packet one-way delay: 1.147 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 53.51 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.09%
```

Run 7: Report of QUIC Cubic — Data Link

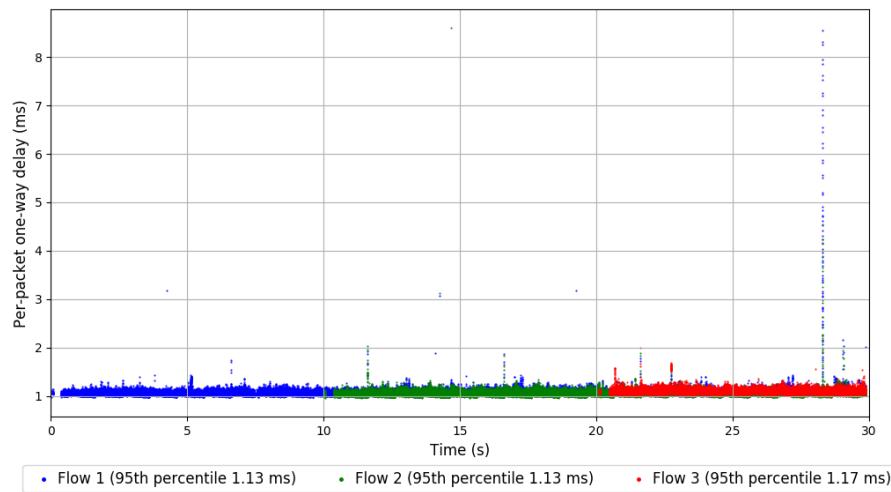
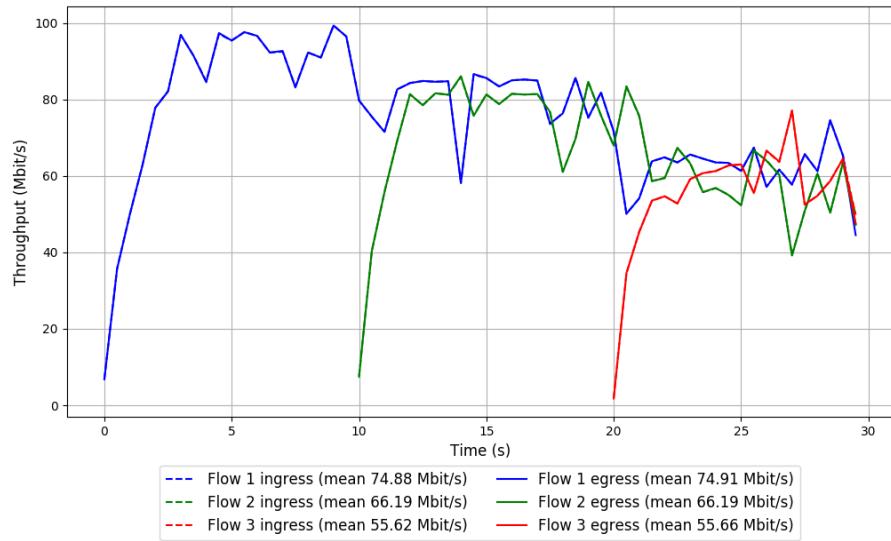


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-04-24 20:17:02
End at: 2018-04-24 20:17:32
Local clock offset: 0.424 ms
Remote clock offset: -5.26 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 137.17 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 74.91 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 66.19 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 55.66 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.22%
```

Run 8: Report of QUIC Cubic — Data Link

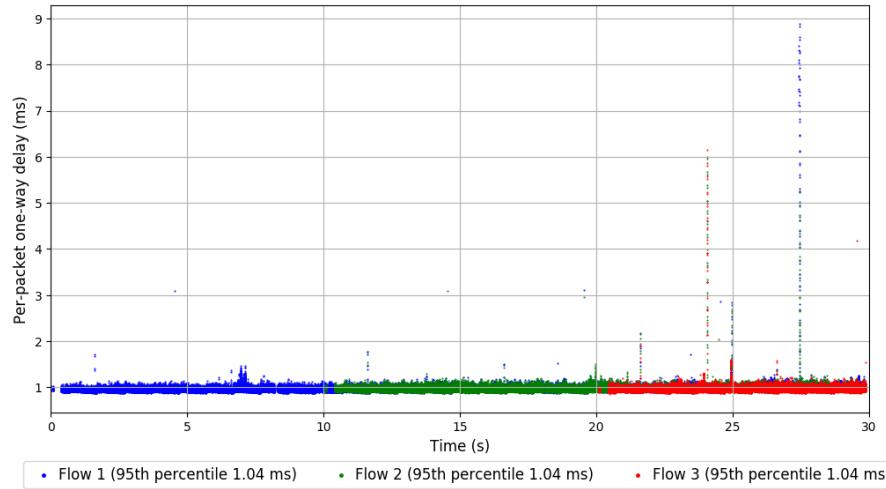
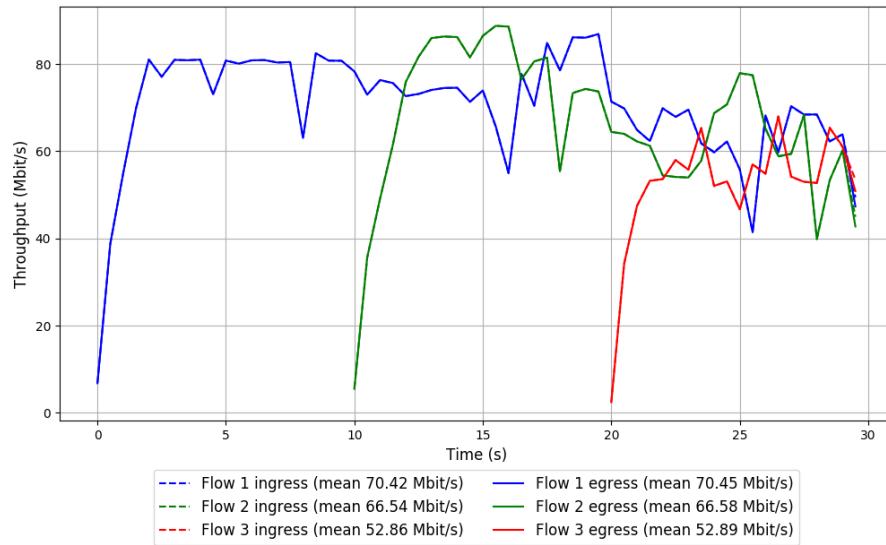


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-04-24 20:43:31
End at: 2018-04-24 20:44:01
Local clock offset: 0.398 ms
Remote clock offset: -5.165 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 132.09 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 70.45 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 66.58 Mbit/s
95th percentile per-packet one-way delay: 1.043 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.25%
```

Run 9: Report of QUIC Cubic — Data Link

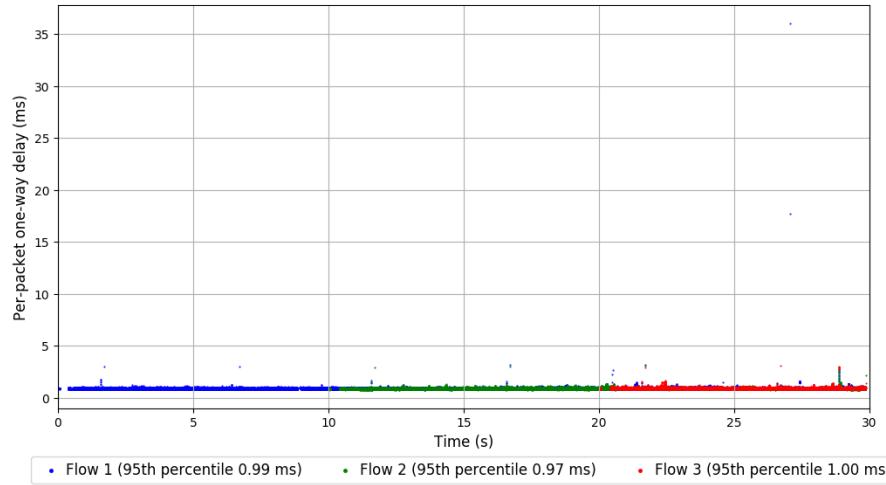
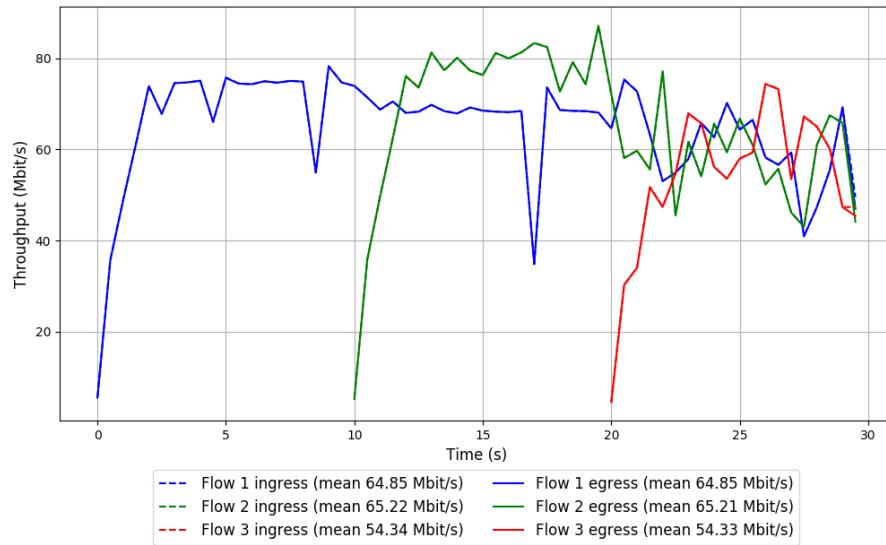


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-04-24 21:10:06
End at: 2018-04-24 21:10:36
Local clock offset: 0.343 ms
Remote clock offset: -5.291 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 126.10 Mbit/s
95th percentile per-packet one-way delay: 0.984 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 64.85 Mbit/s
95th percentile per-packet one-way delay: 0.987 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 65.21 Mbit/s
95th percentile per-packet one-way delay: 0.967 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 54.33 Mbit/s
95th percentile per-packet one-way delay: 0.996 ms
Loss rate: 0.19%
```

Run 10: Report of QUIC Cubic — Data Link

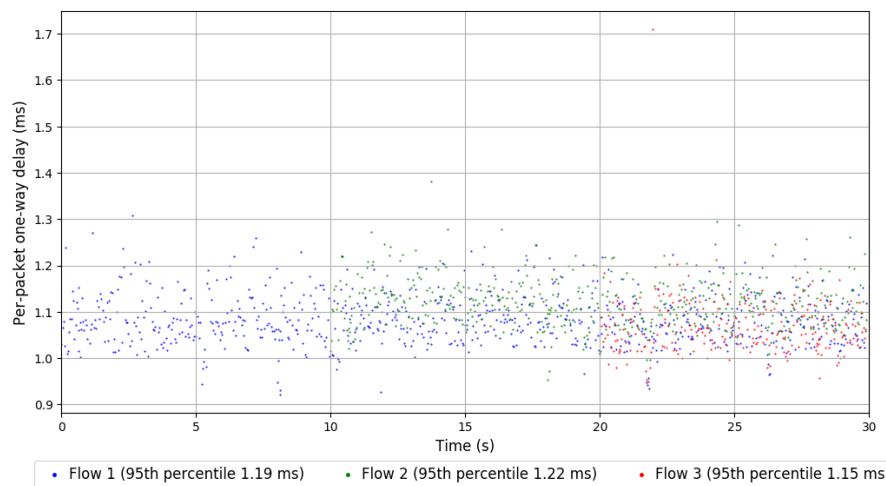
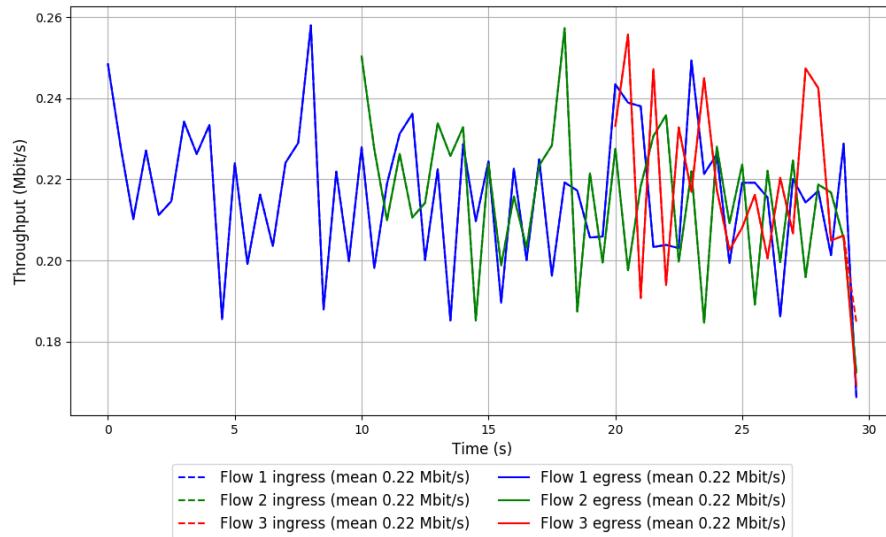


```
Run 1: Statistics of SCReAM

Start at: 2018-04-24 17:19:12
End at: 2018-04-24 17:19:42
Local clock offset: 0.368 ms
Remote clock offset: -4.649 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.147 ms
Loss rate: 0.35%
```

Run 1: Report of SCReAM — Data Link

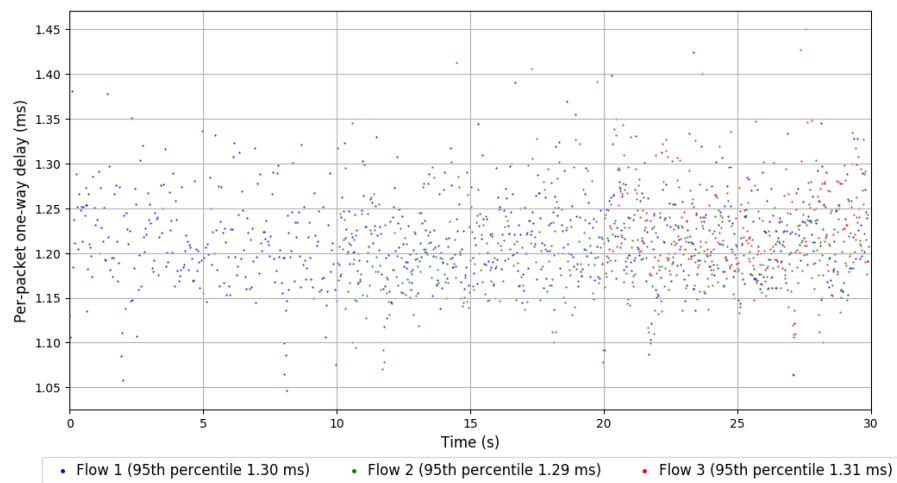
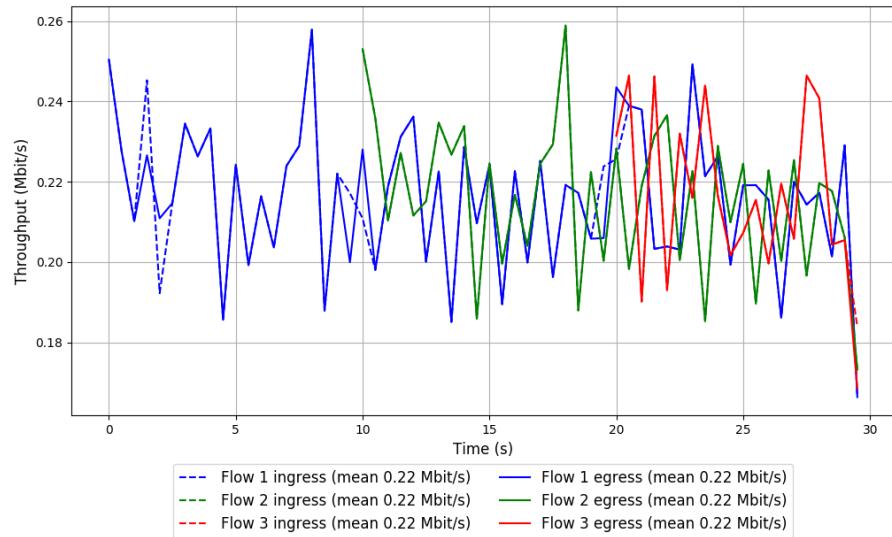


Run 2: Statistics of SCReAM

```
Start at: 2018-04-24 17:45:50
End at: 2018-04-24 17:46:20
Local clock offset: 0.08 ms
Remote clock offset: -6.192 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.303 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.314 ms
Loss rate: 0.35%
```

Run 2: Report of SCReAM — Data Link

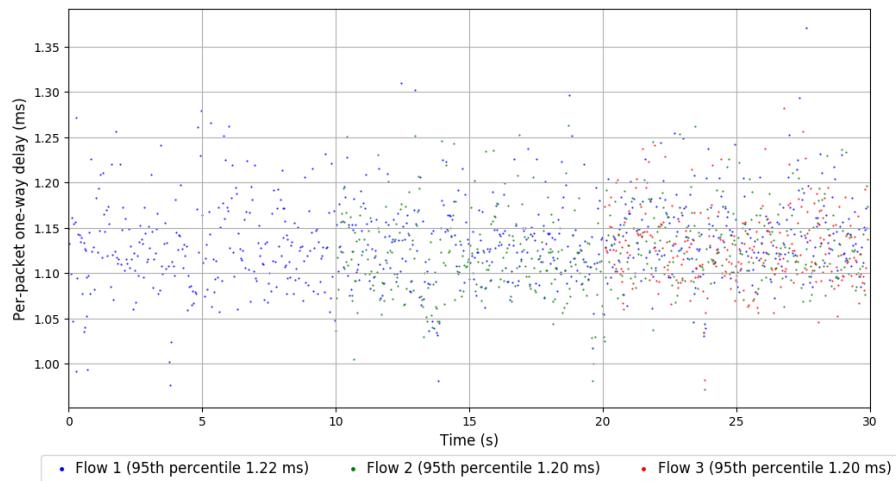
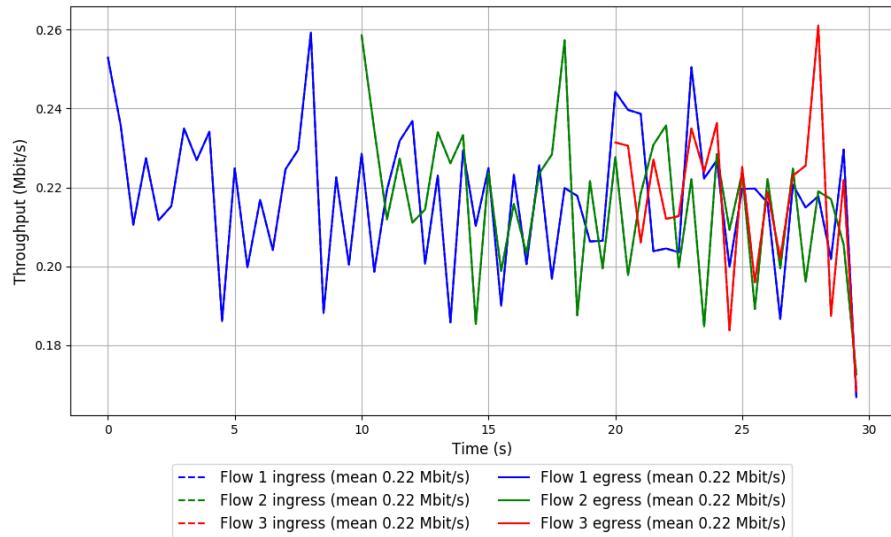


Run 3: Statistics of SCReAM

```
Start at: 2018-04-24 18:12:28
End at: 2018-04-24 18:12:58
Local clock offset: -0.996 ms
Remote clock offset: -5.258 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

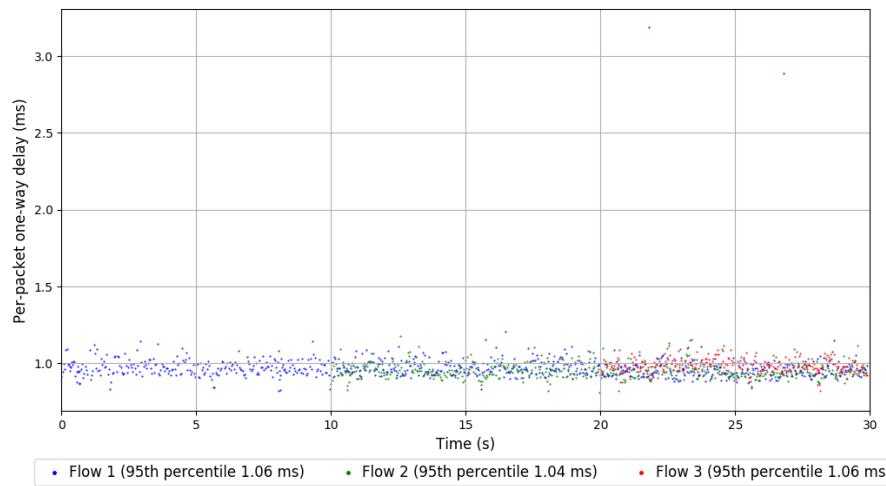
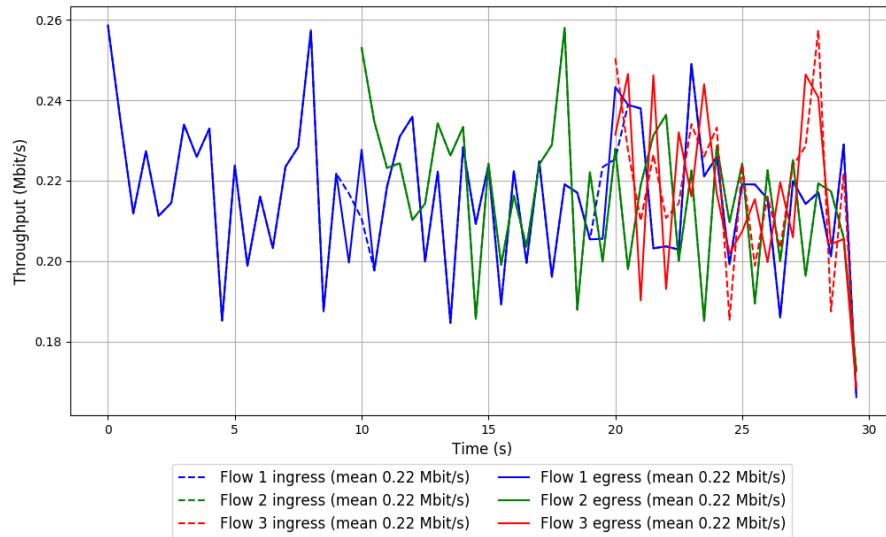


Run 4: Statistics of SCReAM

```
Start at: 2018-04-24 18:38:46
End at: 2018-04-24 18:39:16
Local clock offset: -1.86 ms
Remote clock offset: -5.873 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.062 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.045 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 0.35%
```

Run 4: Report of SCReAM — Data Link

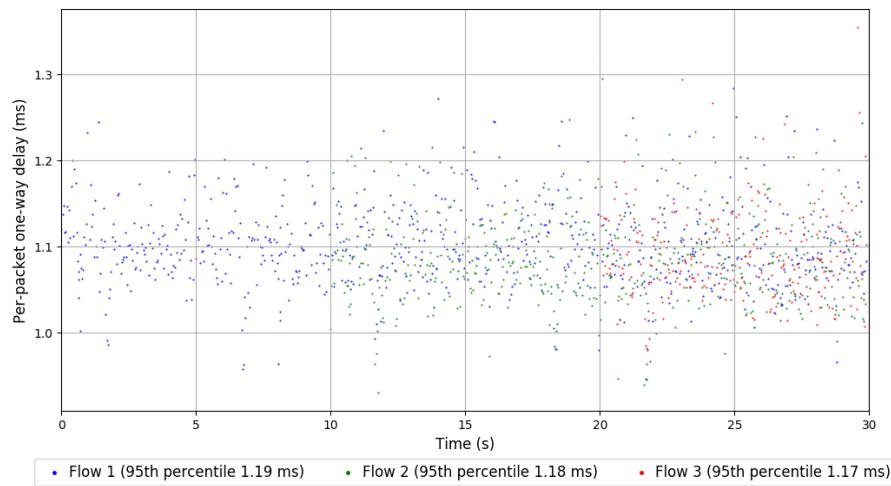
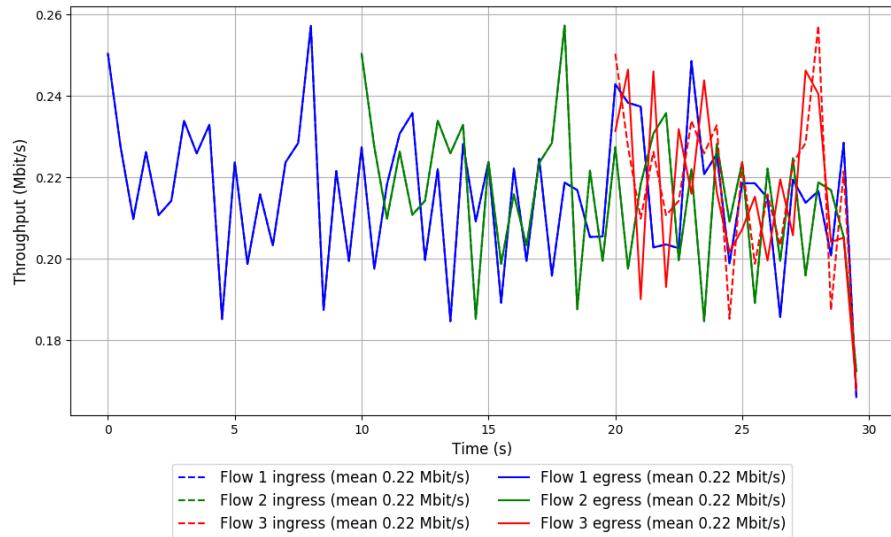


Run 5: Statistics of SCReAM

```
Start at: 2018-04-24 19:05:29
End at: 2018-04-24 19:05:59
Local clock offset: 0.45 ms
Remote clock offset: -6.384 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.35%
```

Run 5: Report of SCReAM — Data Link

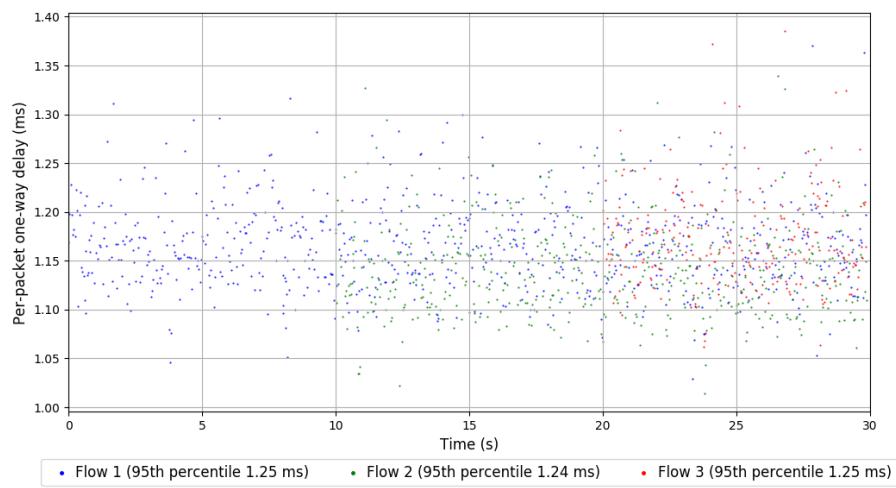
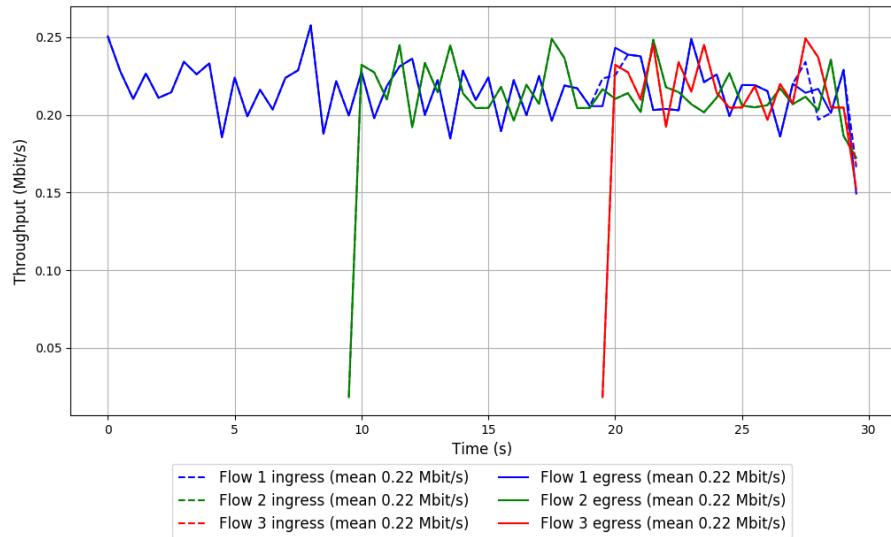


Run 6: Statistics of SCReAM

```
Start at: 2018-04-24 19:32:07
End at: 2018-04-24 19:32:37
Local clock offset: 0.76 ms
Remote clock offset: -6.098 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.35%
```

Run 6: Report of SCReAM — Data Link

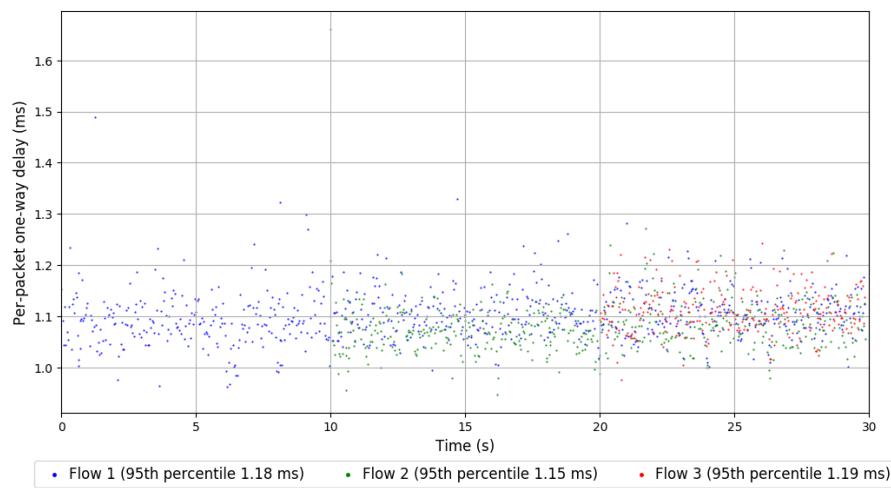
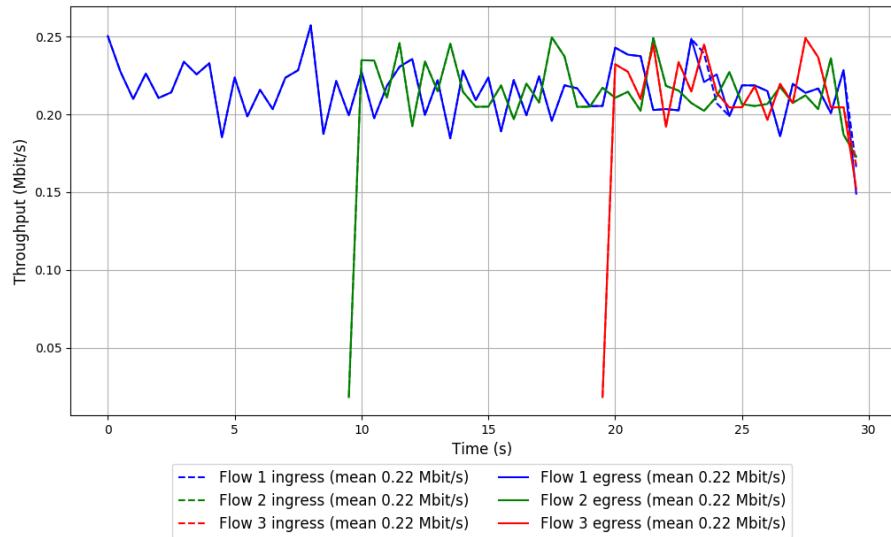


Run 7: Statistics of SCReAM

```
Start at: 2018-04-24 19:58:44
End at: 2018-04-24 19:59:14
Local clock offset: 0.654 ms
Remote clock offset: -5.286 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.35%
```

Run 7: Report of SCReAM — Data Link

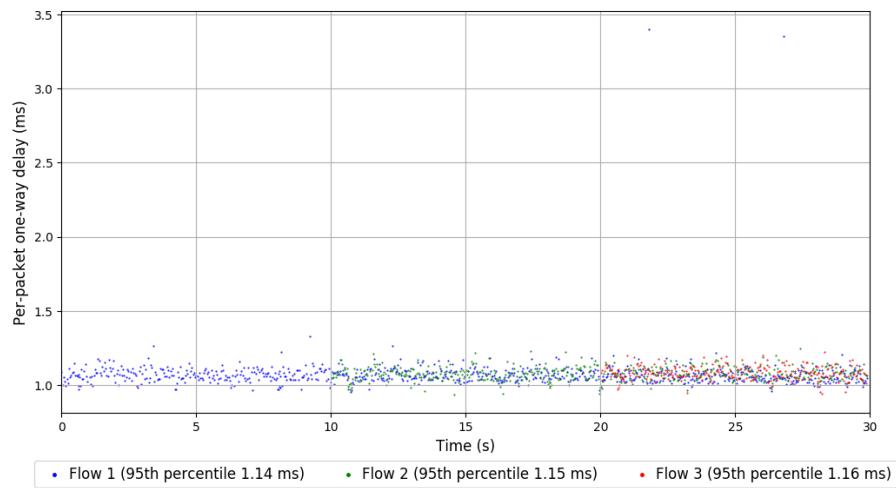
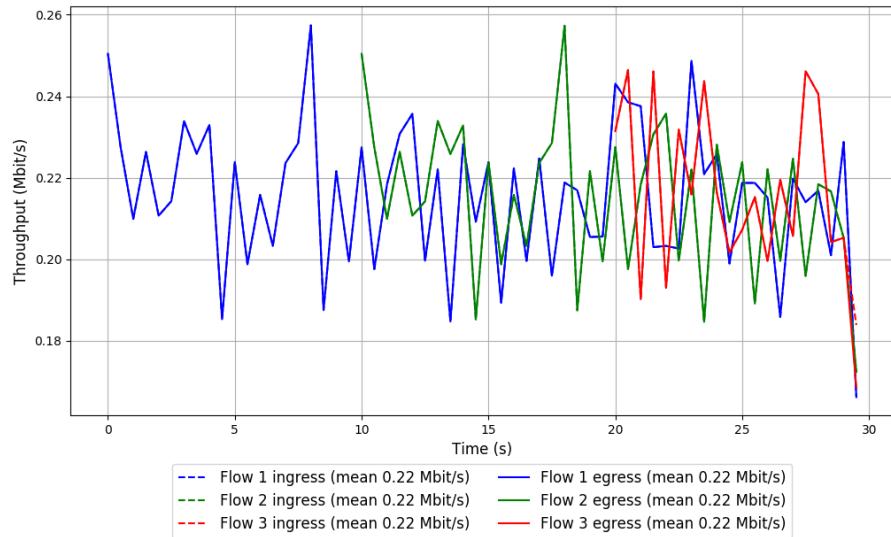


Run 8: Statistics of SCReAM

```
Start at: 2018-04-24 20:25:13
End at: 2018-04-24 20:25:43
Local clock offset: 0.432 ms
Remote clock offset: -5.175 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.35%
```

Run 8: Report of SCReAM — Data Link

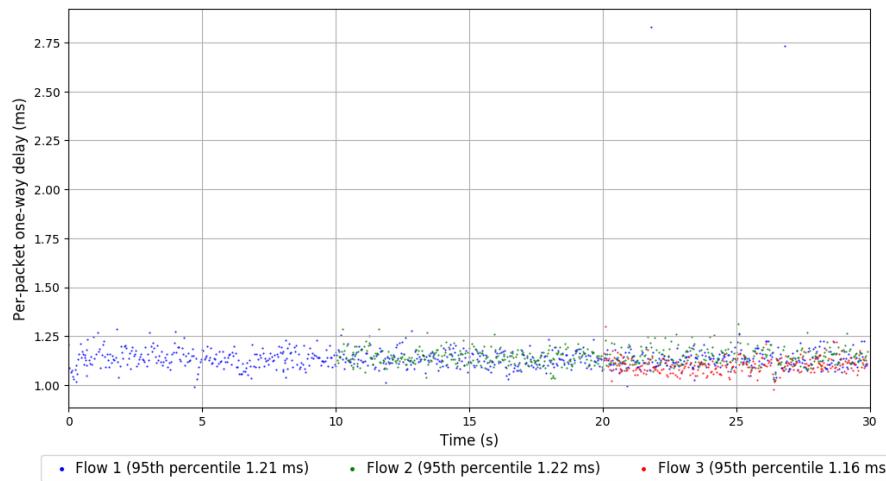
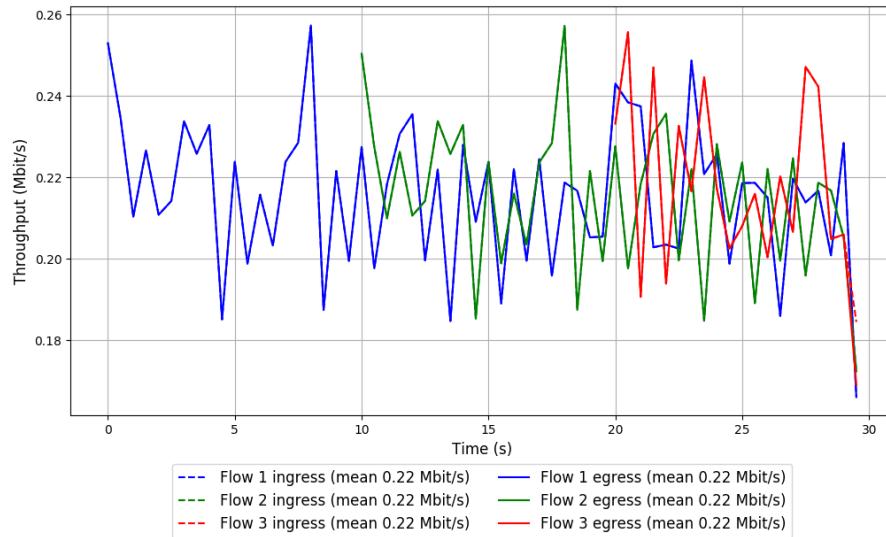


Run 9: Statistics of SCReAM

```
Start at: 2018-04-24 20:51:43
End at: 2018-04-24 20:52:13
Local clock offset: 0.554 ms
Remote clock offset: -5.27 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.35%
```

Run 9: Report of SCReAM — Data Link

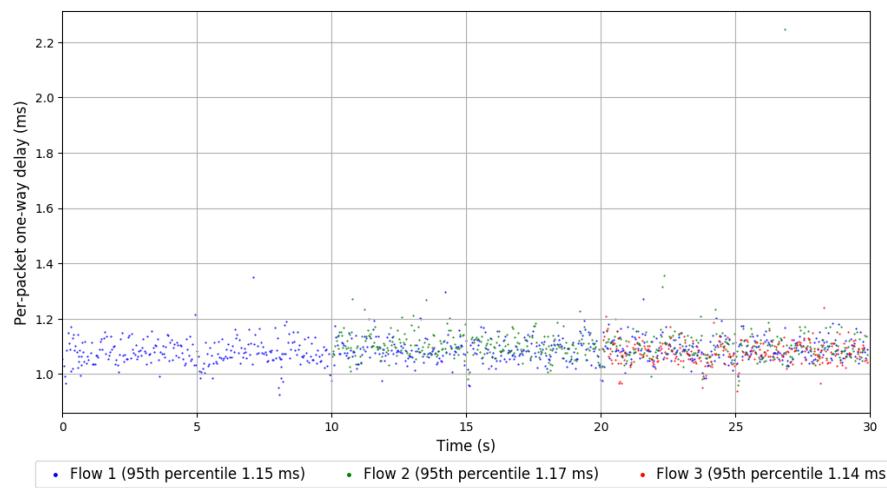
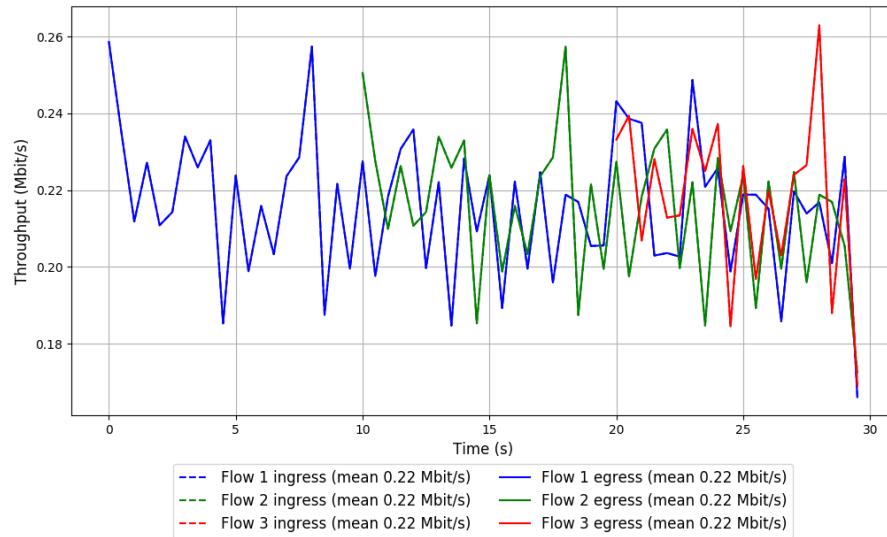


Run 10: Statistics of SCReAM

```
Start at: 2018-04-24 21:18:24
End at: 2018-04-24 21:18:54
Local clock offset: 0.28 ms
Remote clock offset: -5.397 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.154 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

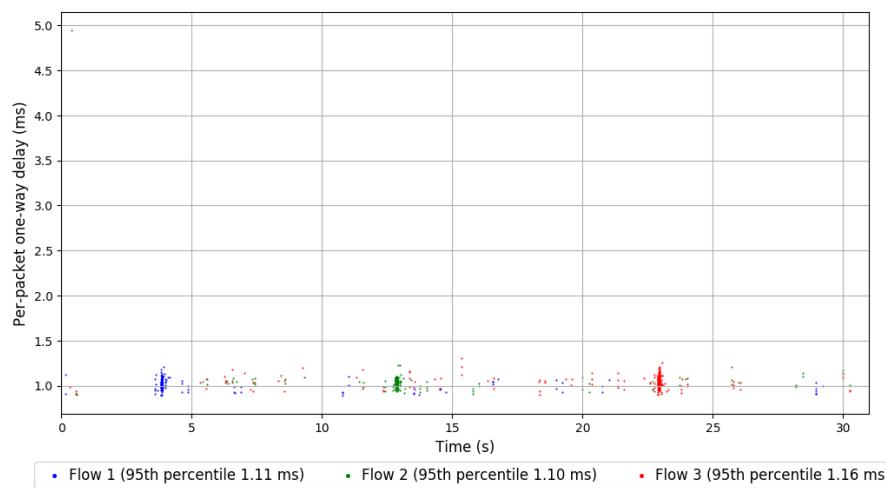
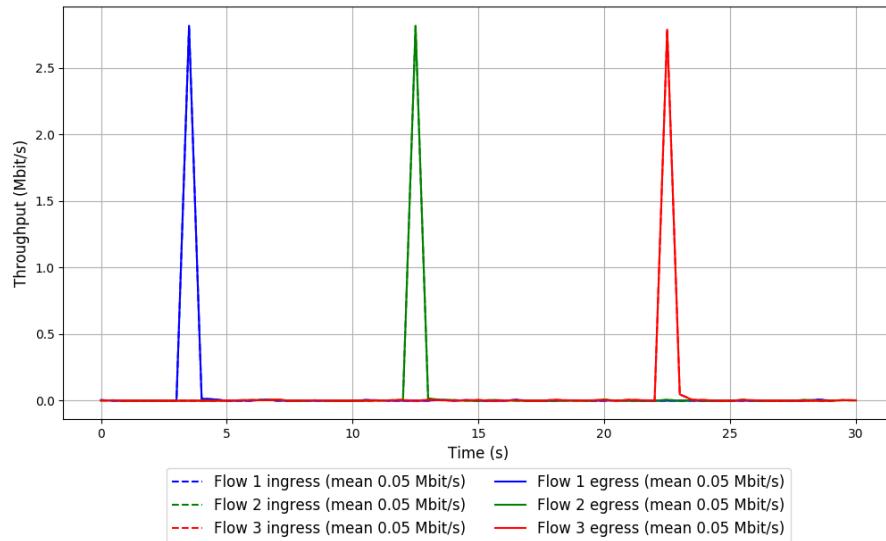


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-24 17:04:58
End at: 2018-04-24 17:05:28
Local clock offset: 0.267 ms
Remote clock offset: -5.078 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.104 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

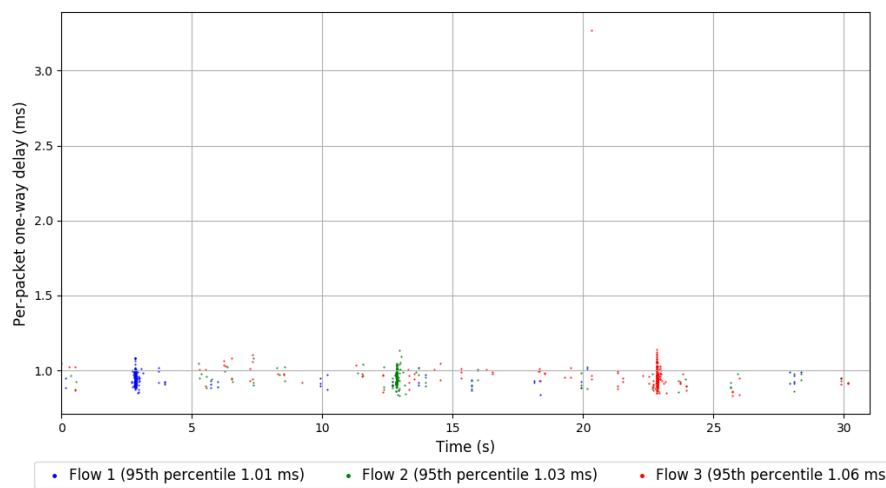
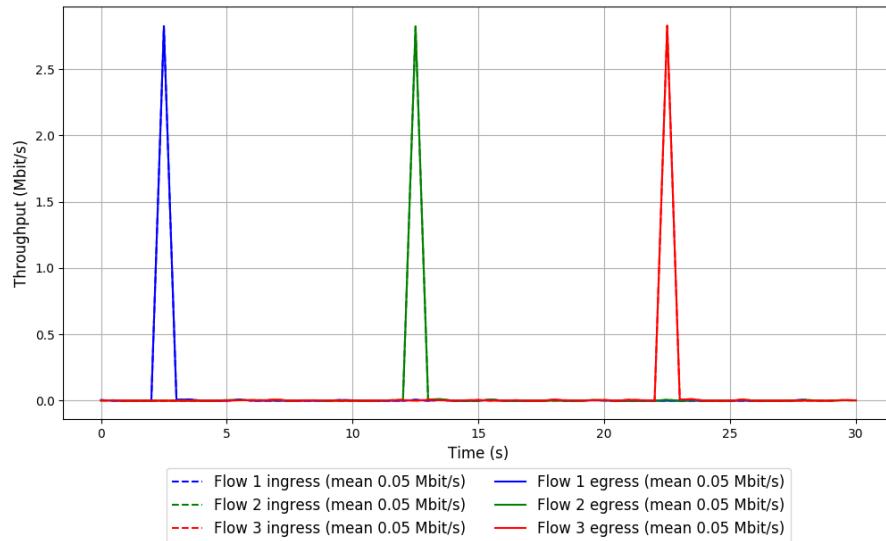


Run 2: Statistics of WebRTC media

```
Start at: 2018-04-24 17:31:38
End at: 2018-04-24 17:32:08
Local clock offset: 0.387 ms
Remote clock offset: -5.81 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.015 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.035 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.064 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

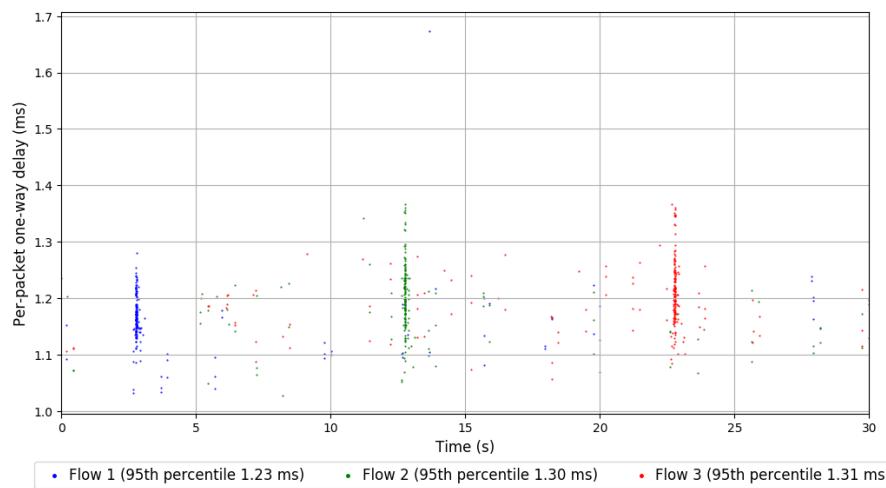
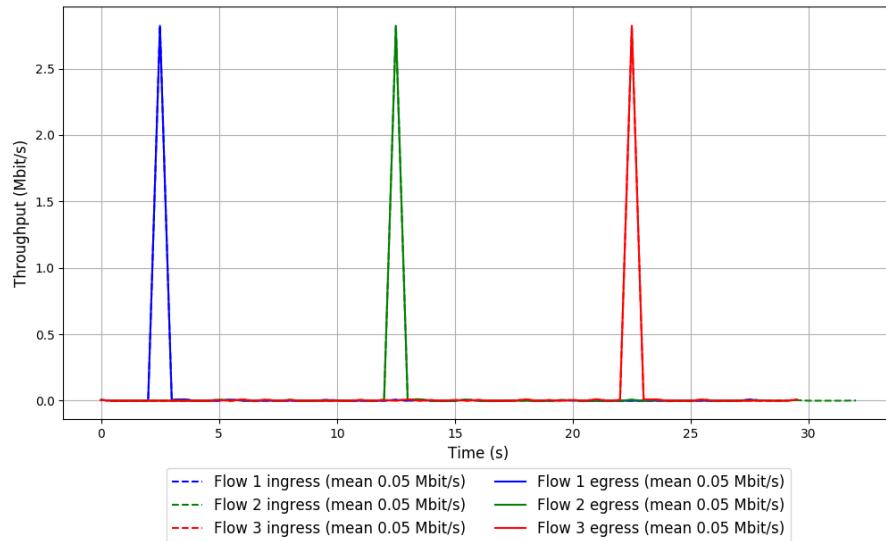


Run 3: Statistics of WebRTC media

```
Start at: 2018-04-24 17:58:16
End at: 2018-04-24 17:58:46
Local clock offset: -0.383 ms
Remote clock offset: -5.894 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.234 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.296 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.315 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

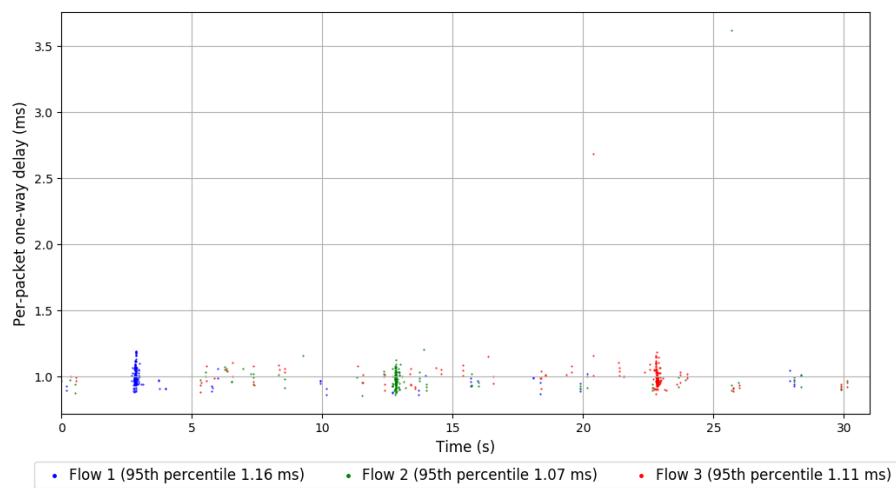
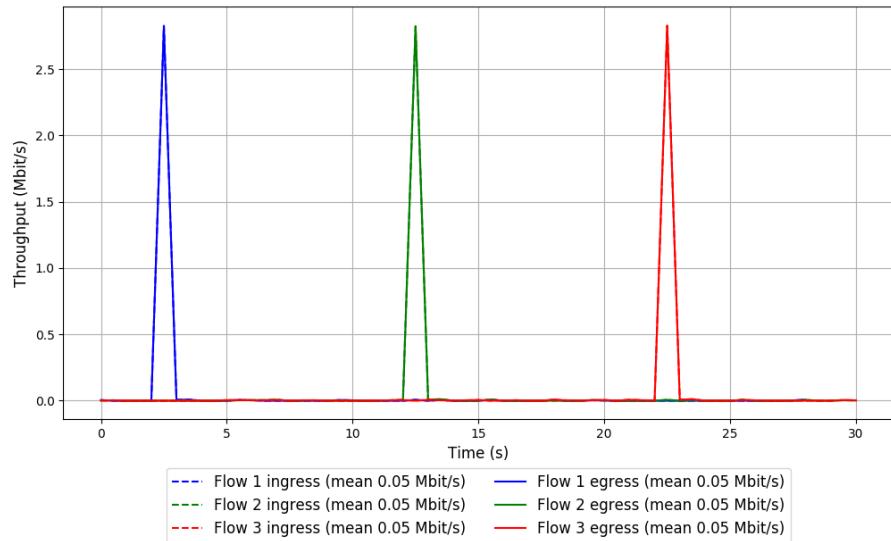


Run 4: Statistics of WebRTC media

```
Start at: 2018-04-24 18:24:50
End at: 2018-04-24 18:25:20
Local clock offset: -1.414 ms
Remote clock offset: -4.93 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

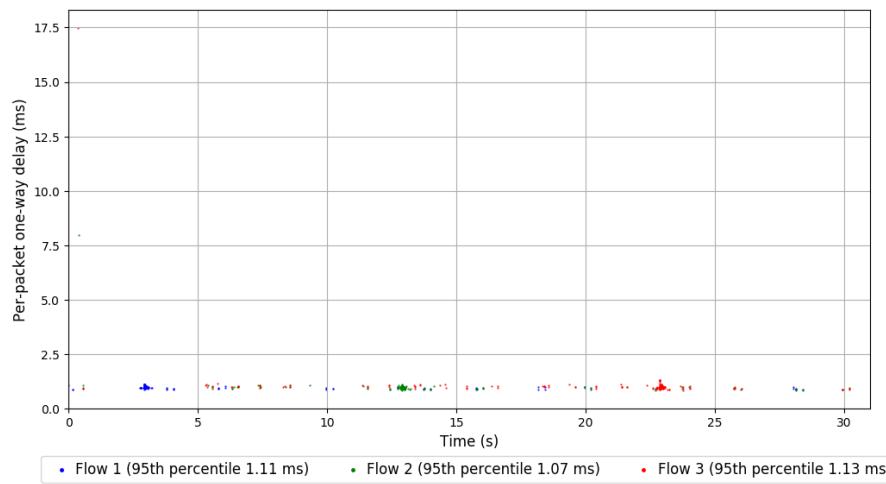
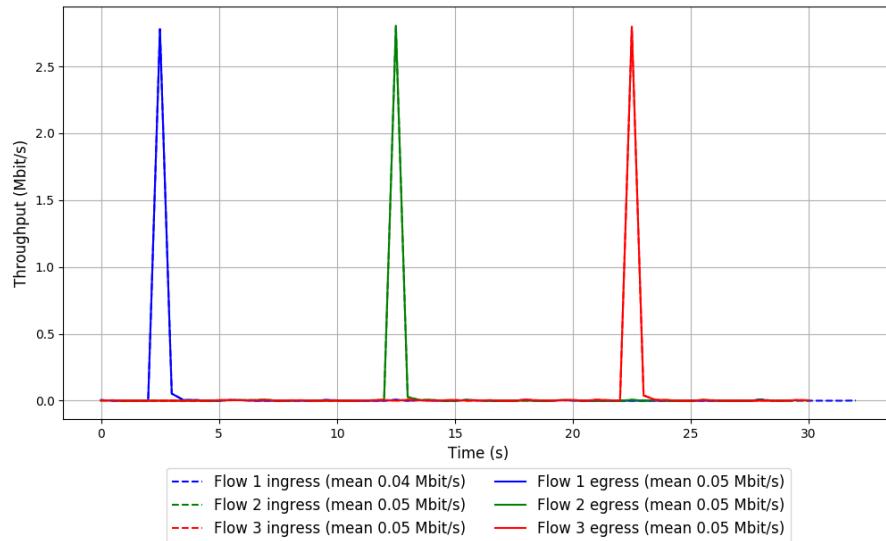


Run 5: Statistics of WebRTC media

```
Start at: 2018-04-24 18:51:11
End at: 2018-04-24 18:51:41
Local clock offset: -0.479 ms
Remote clock offset: -6.372 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.102 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.113 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.075 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

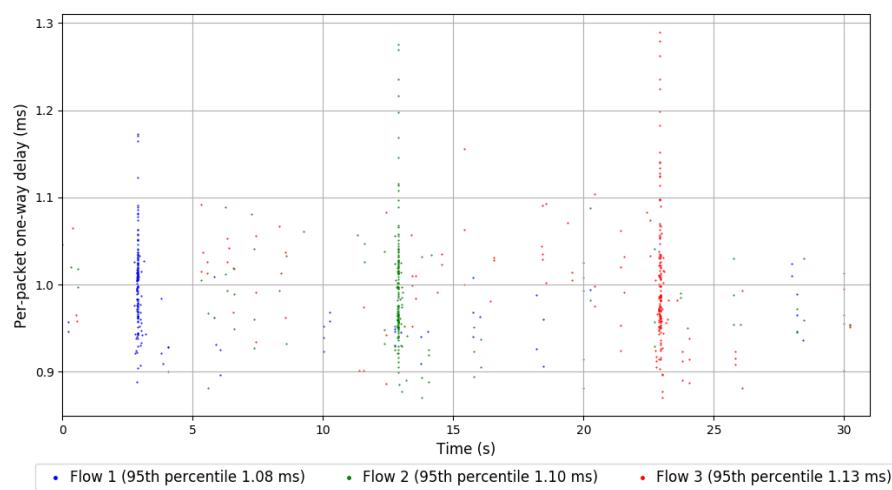
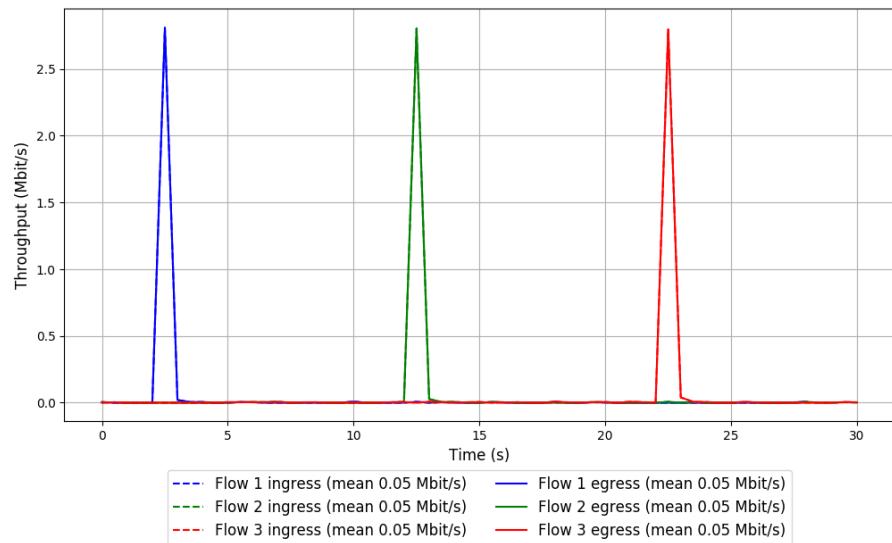


Run 6: Statistics of WebRTC media

```
Start at: 2018-04-24 19:17:57
End at: 2018-04-24 19:18:27
Local clock offset: 0.789 ms
Remote clock offset: -6.104 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.097 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

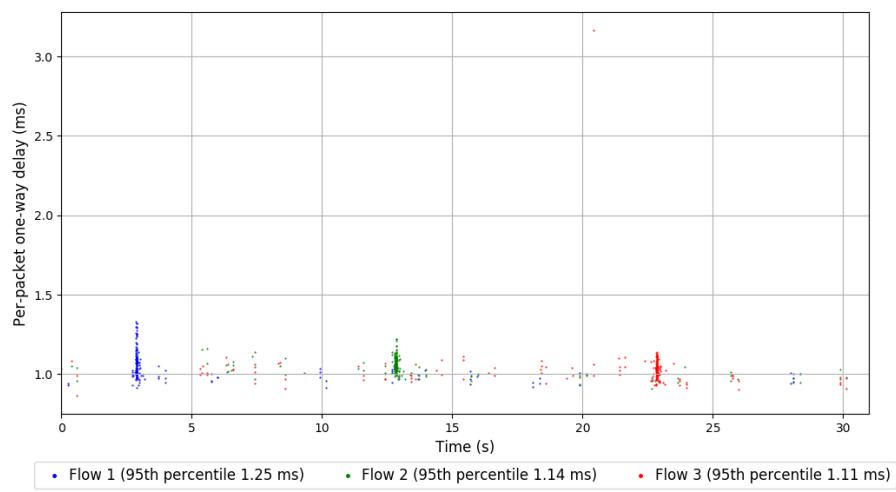
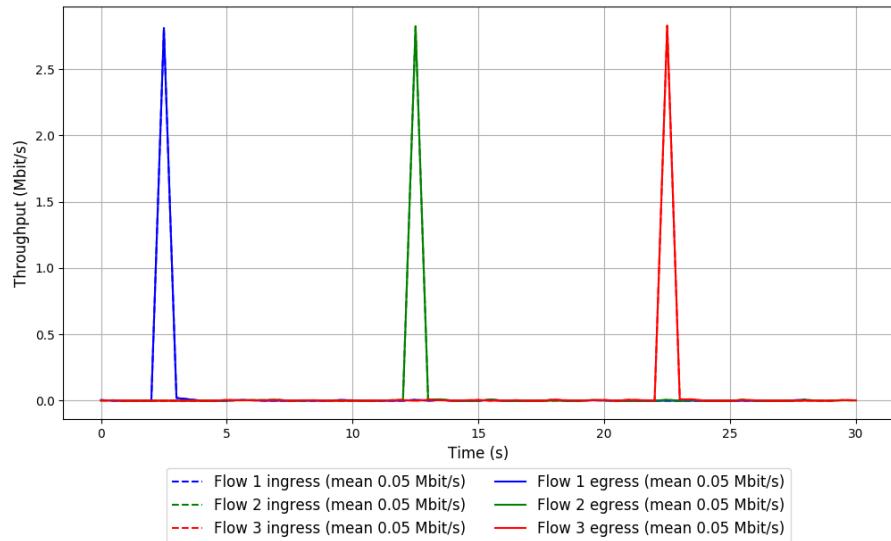


Run 7: Statistics of WebRTC media

```
Start at: 2018-04-24 19:44:35
End at: 2018-04-24 19:45:05
Local clock offset: 1.021 ms
Remote clock offset: -5.587 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

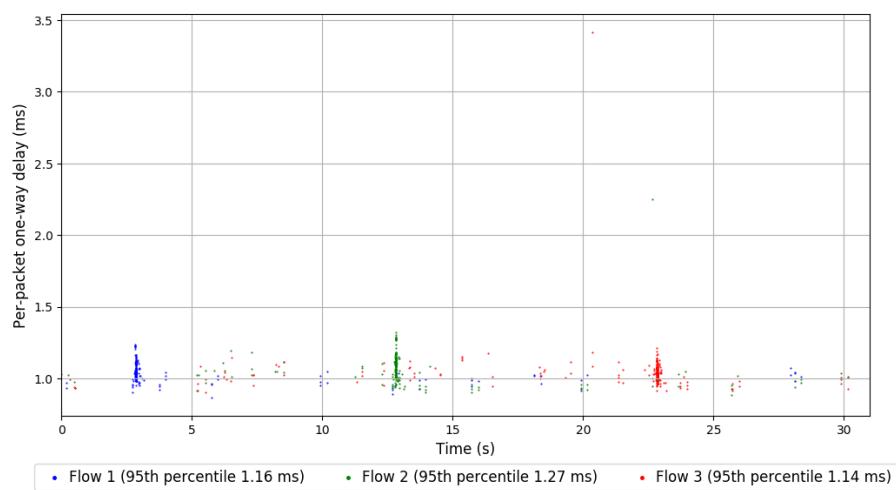
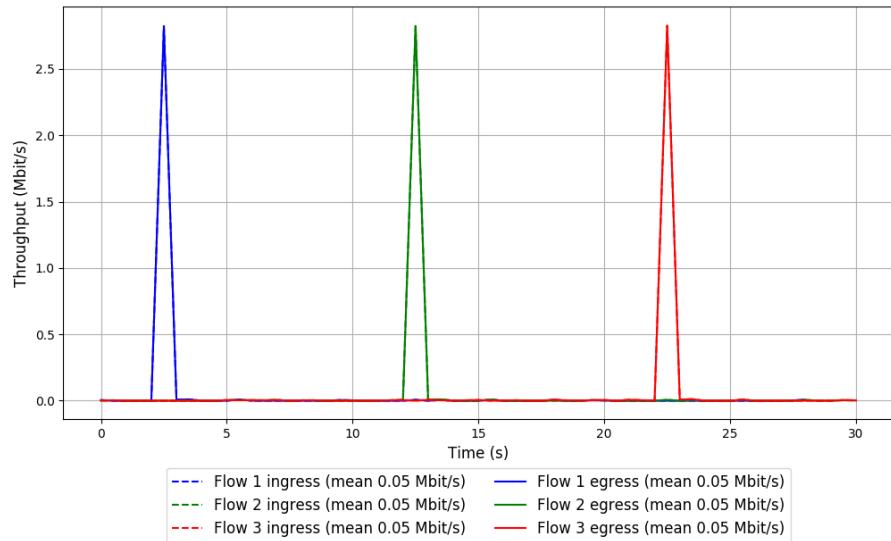


Run 8: Statistics of WebRTC media

```
Start at: 2018-04-24 20:11:07
End at: 2018-04-24 20:11:37
Local clock offset: 0.384 ms
Remote clock offset: -5.203 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

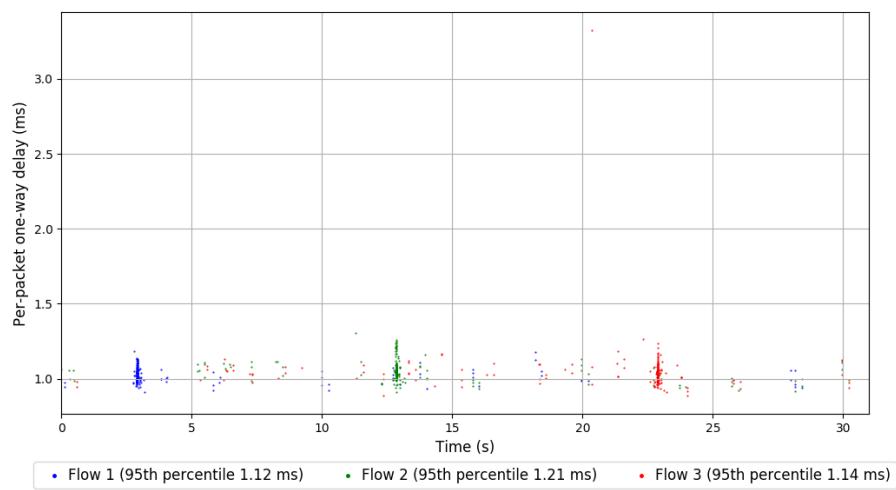
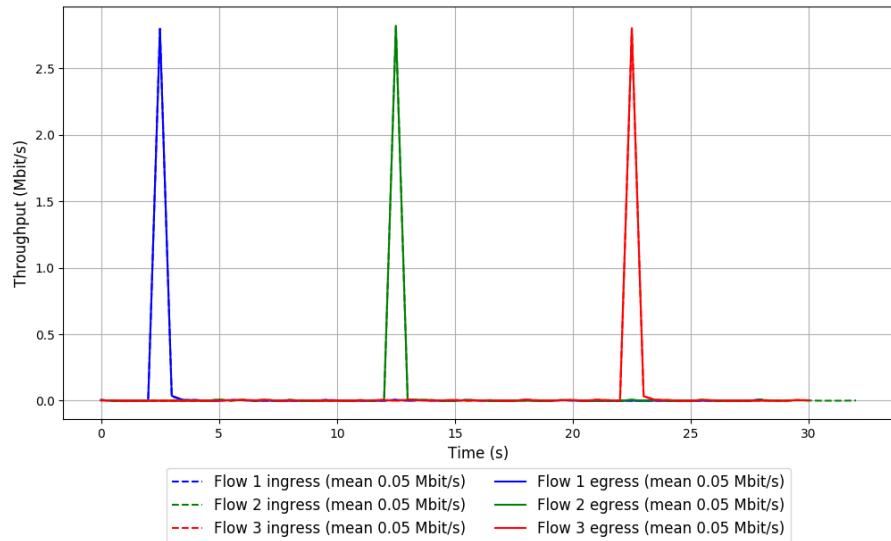


Run 9: Statistics of WebRTC media

```
Start at: 2018-04-24 20:37:38
End at: 2018-04-24 20:38:08
Local clock offset: 0.398 ms
Remote clock offset: -5.197 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.122 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

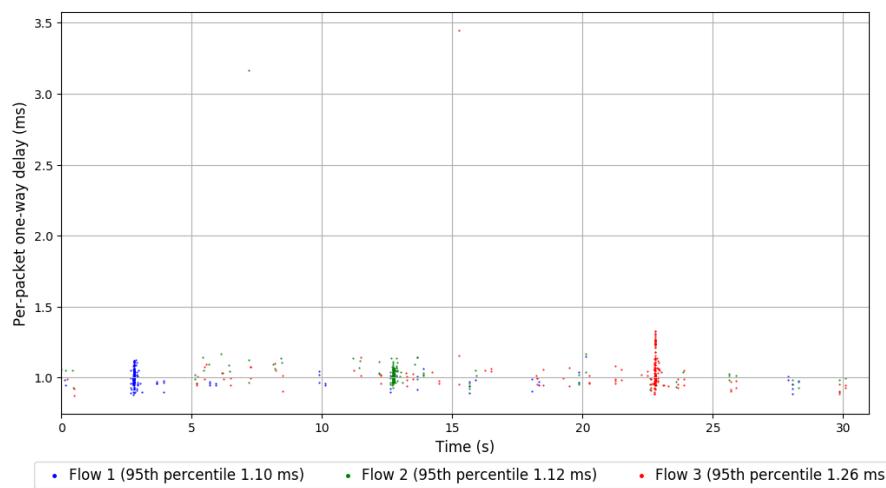
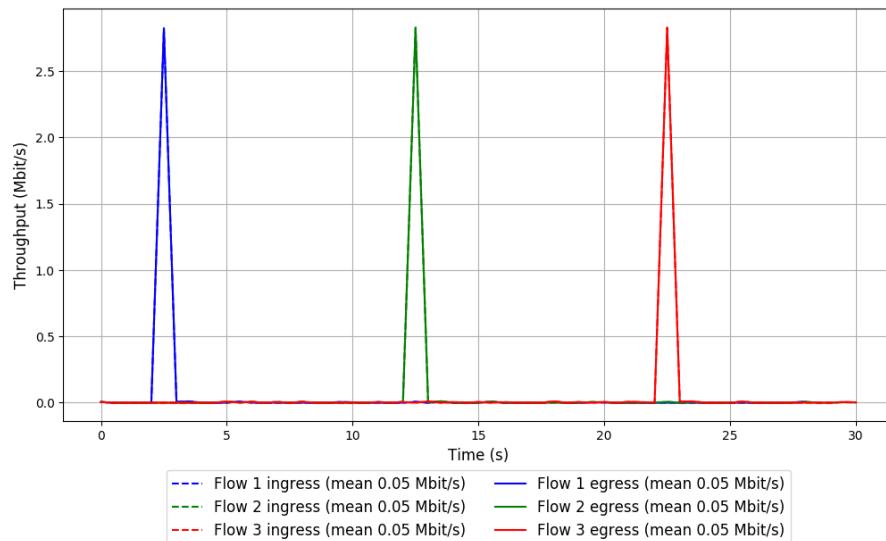


Run 10: Statistics of WebRTC media

```
Start at: 2018-04-24 21:04:12
End at: 2018-04-24 21:04:42
Local clock offset: 0.506 ms
Remote clock offset: -5.268 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.104 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.263 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

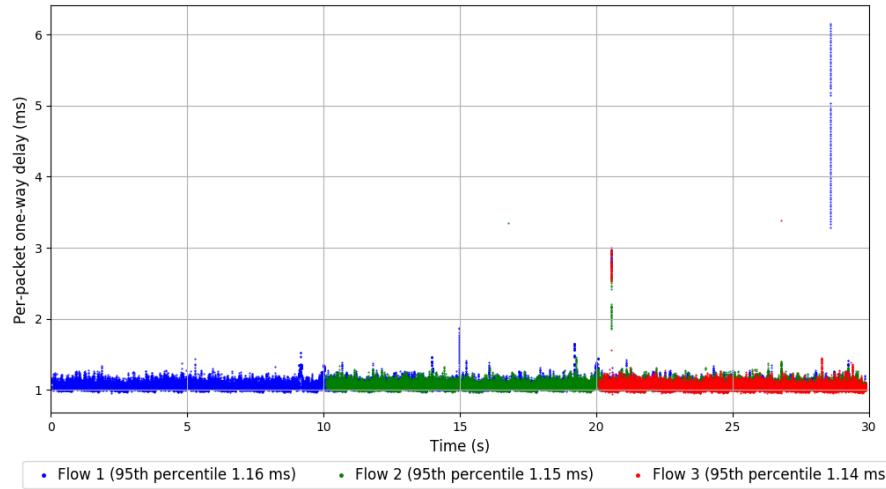
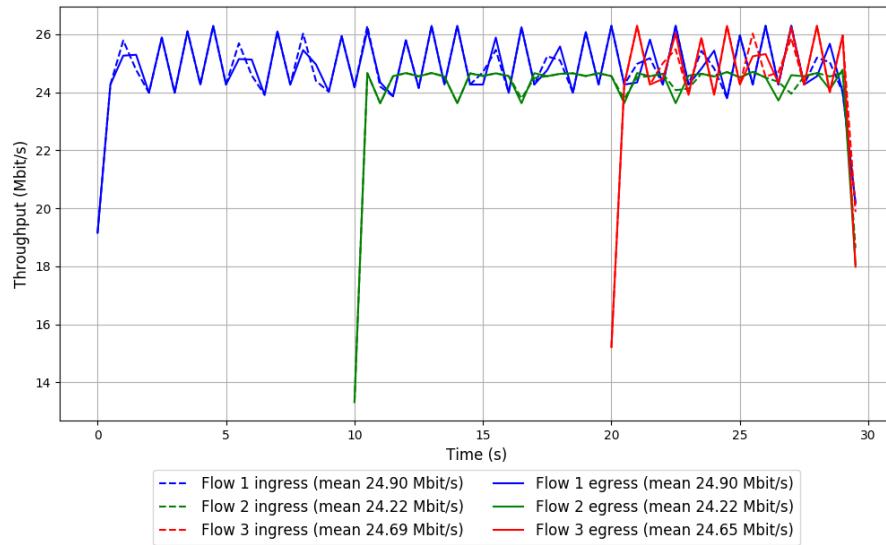


Run 1: Statistics of Sprout

```
Start at: 2018-04-24 17:09:34
End at: 2018-04-24 17:10:04
Local clock offset: 0.389 ms
Remote clock offset: -4.903 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.08 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 1.154 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 1.135 ms
Loss rate: 0.39%
```

Run 1: Report of Sprout — Data Link

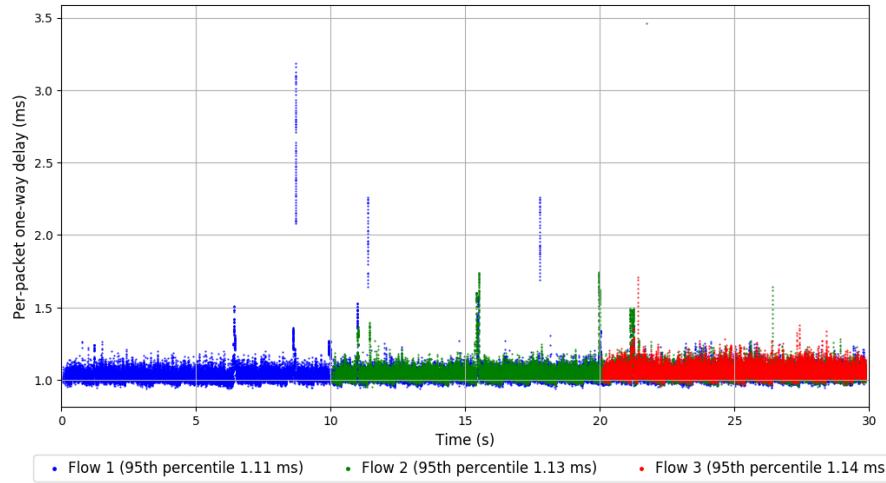
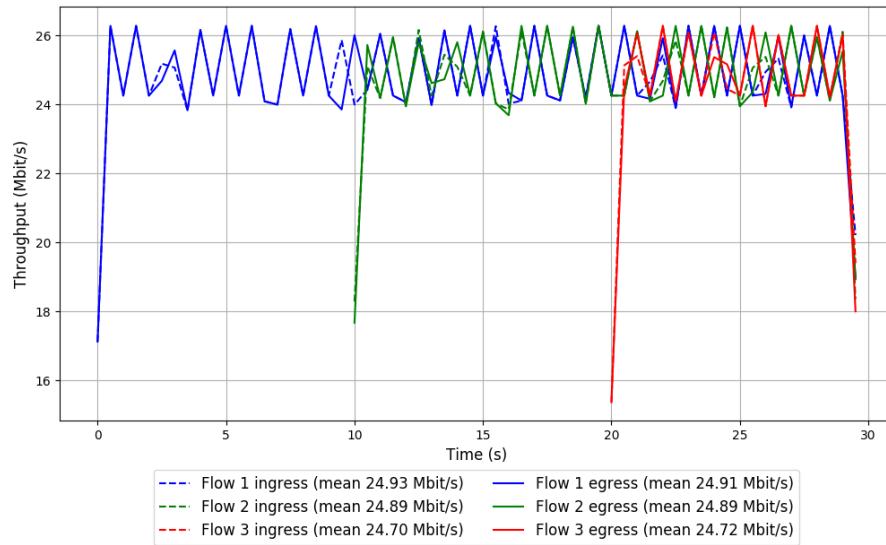


Run 2: Statistics of Sprout

```
Start at: 2018-04-24 17:36:11
End at: 2018-04-24 17:36:41
Local clock offset: 0.395 ms
Remote clock offset: -5.95 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.57 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 1.114 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.29%
```

Run 2: Report of Sprout — Data Link

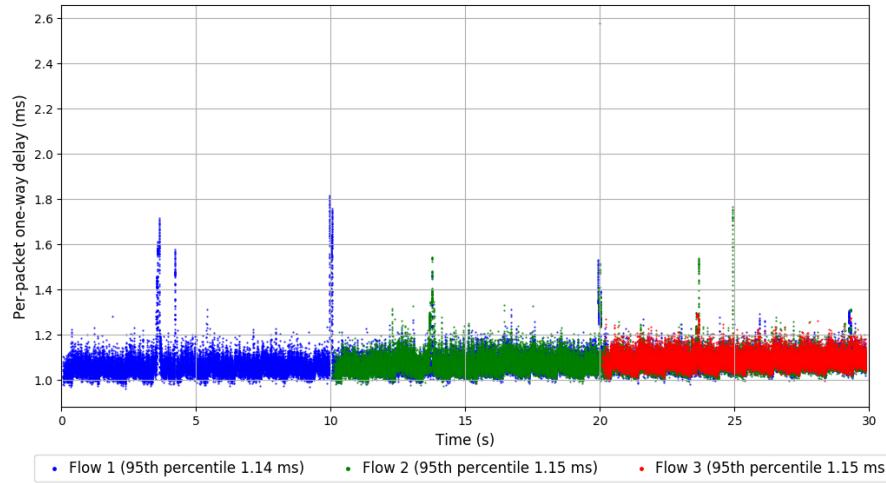
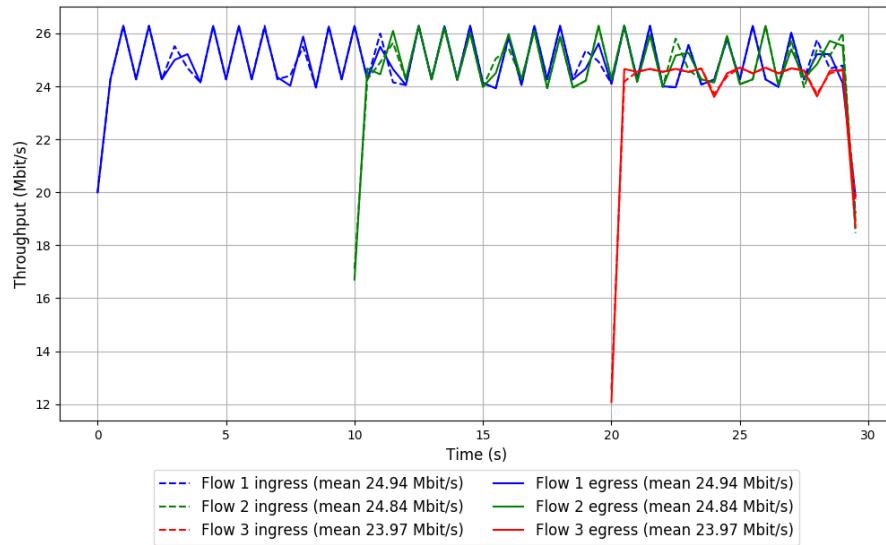


Run 3: Statistics of Sprout

```
Start at: 2018-04-24 18:02:48
End at: 2018-04-24 18:03:18
Local clock offset: -0.547 ms
Remote clock offset: -5.518 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.31 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.94 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 1.147 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.21%
```

Run 3: Report of Sprout — Data Link

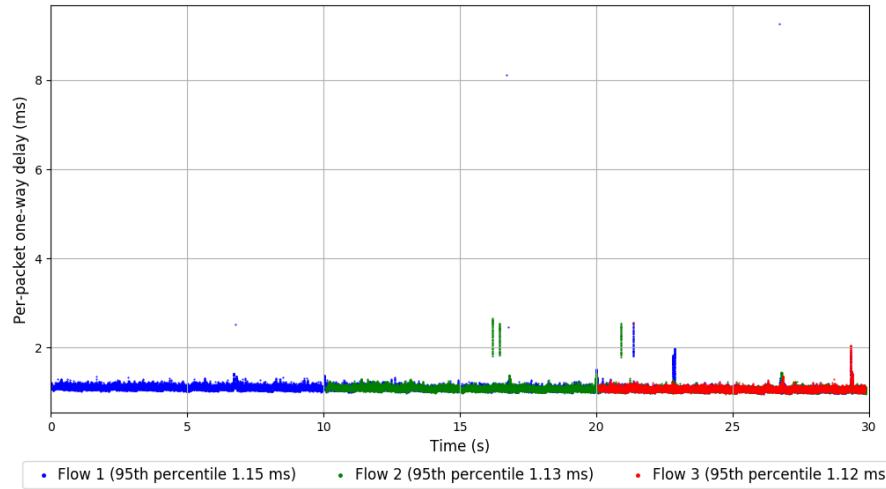
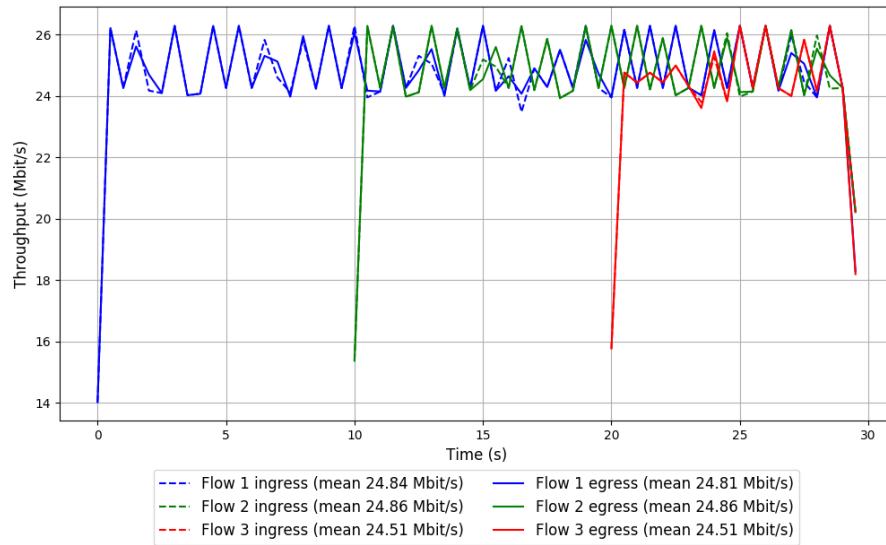


Run 4: Statistics of Sprout

```
Start at: 2018-04-24 18:29:25
End at: 2018-04-24 18:29:55
Local clock offset: -1.441 ms
Remote clock offset: -5.057 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.35 Mbit/s
95th percentile per-packet one-way delay: 1.143 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.81 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.42%
```

Run 4: Report of Sprout — Data Link

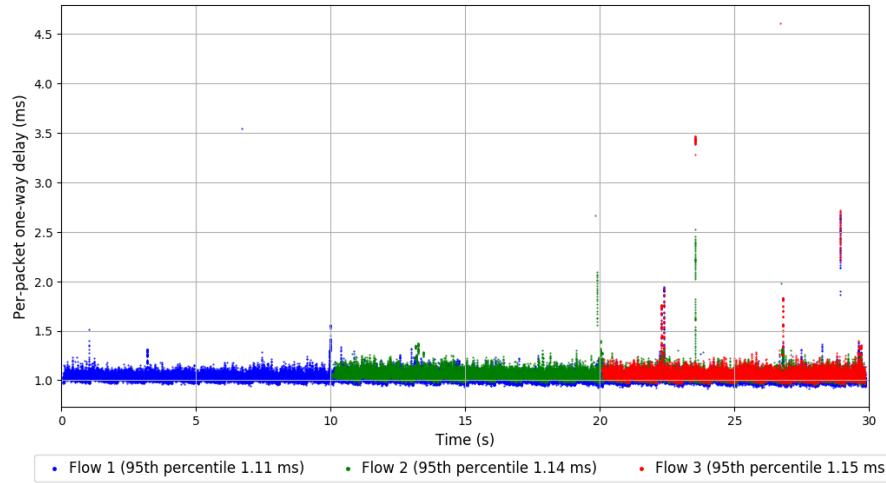
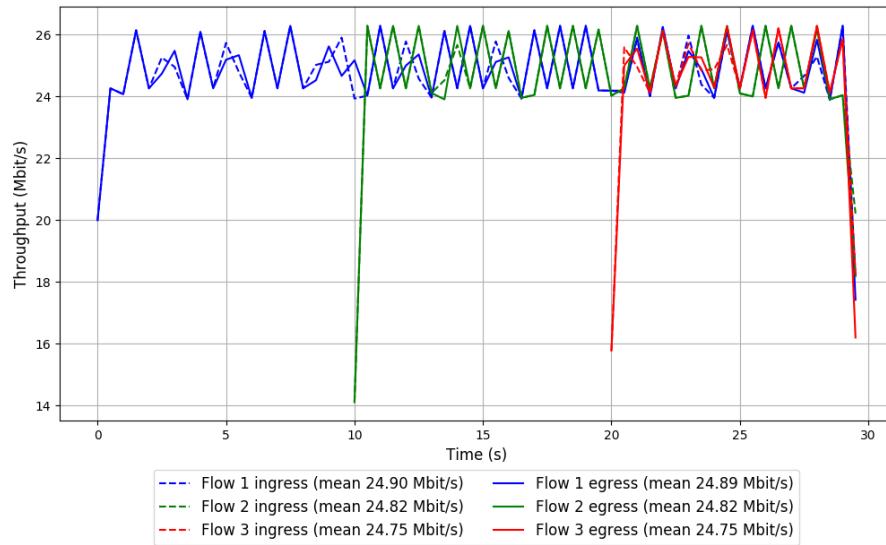


Run 5: Statistics of Sprout

```
Start at: 2018-04-24 18:55:48
End at: 2018-04-24 18:56:18
Local clock offset: -0.006 ms
Remote clock offset: -6.427 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.46 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 1.143 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.42%
```

Run 5: Report of Sprout — Data Link

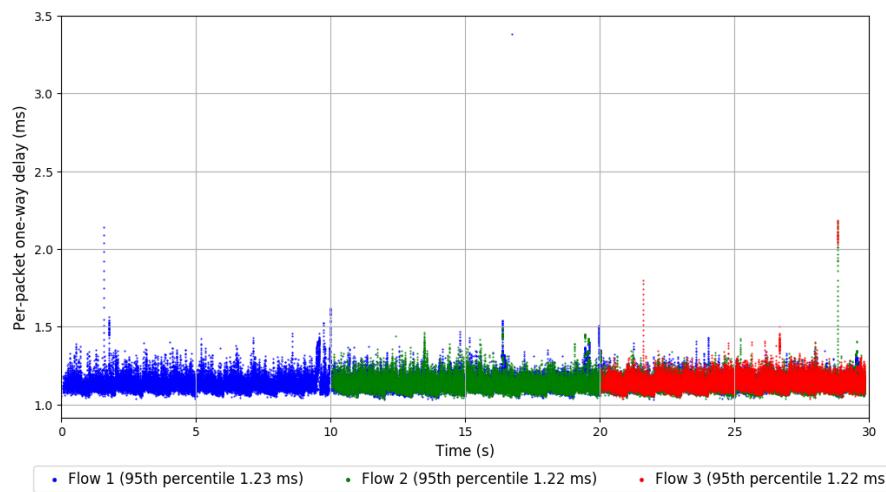
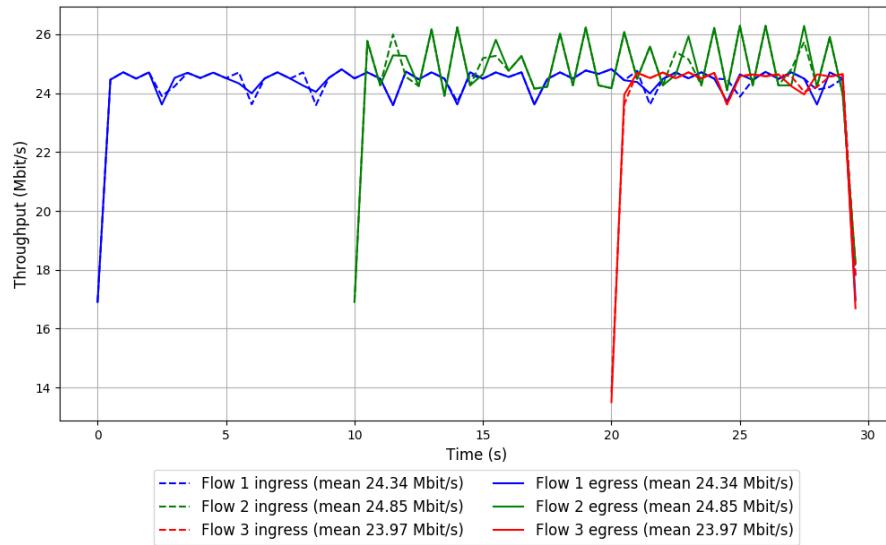


Run 6: Statistics of Sprout

```
Start at: 2018-04-24 19:22:31
End at: 2018-04-24 19:23:01
Local clock offset: 0.786 ms
Remote clock offset: -6.111 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 1.230 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.22%
```

Run 6: Report of Sprout — Data Link

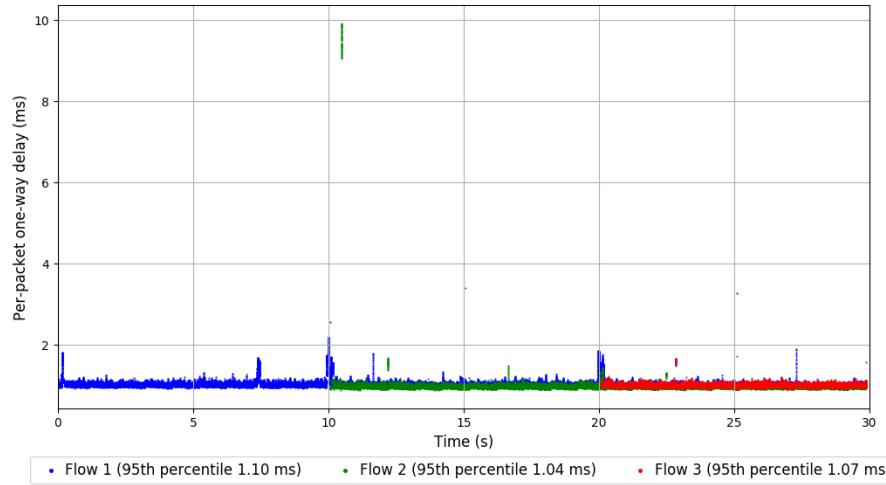
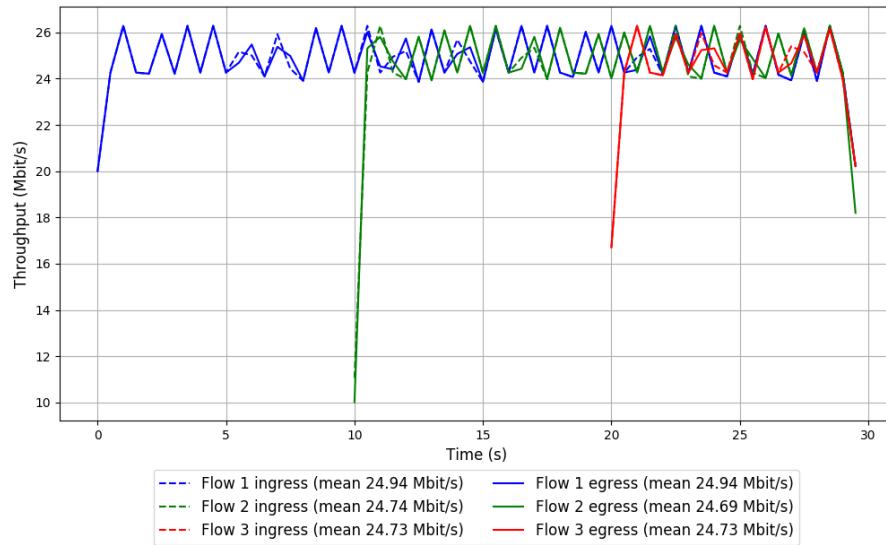


Run 7: Statistics of Sprout

```
Start at: 2018-04-24 19:49:10
End at: 2018-04-24 19:49:40
Local clock offset: 1.04 ms
Remote clock offset: -5.524 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.47 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.94 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 1.042 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 1.069 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

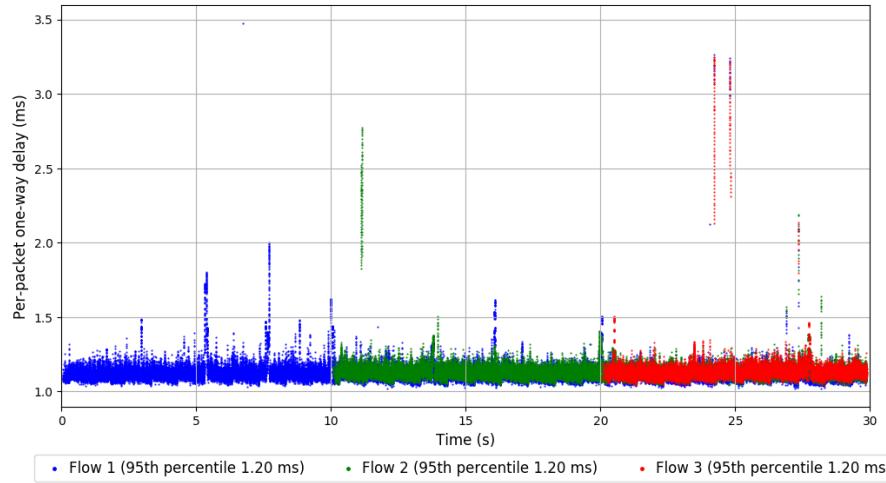
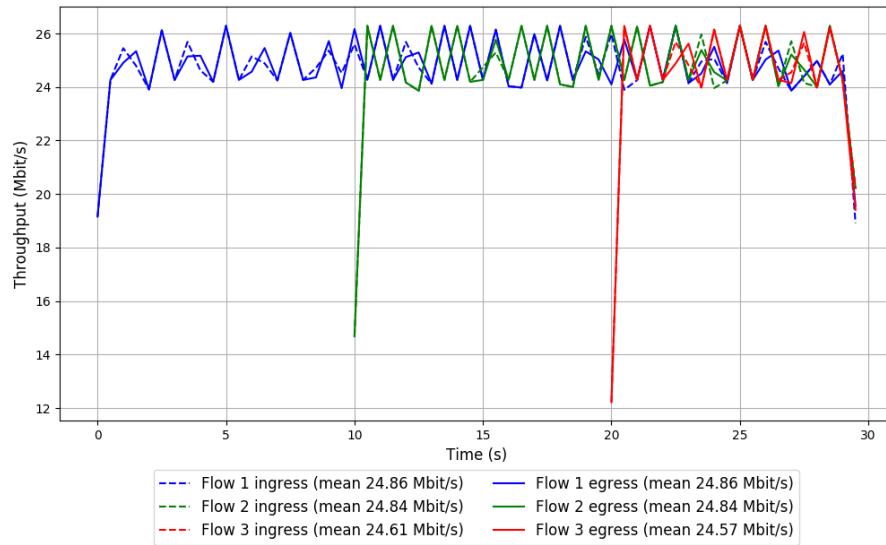


Run 8: Statistics of Sprout

```
Start at: 2018-04-24 20:15:42
End at: 2018-04-24 20:16:12
Local clock offset: 0.441 ms
Remote clock offset: -5.25 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 1.202 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.17%
```

Run 8: Report of Sprout — Data Link

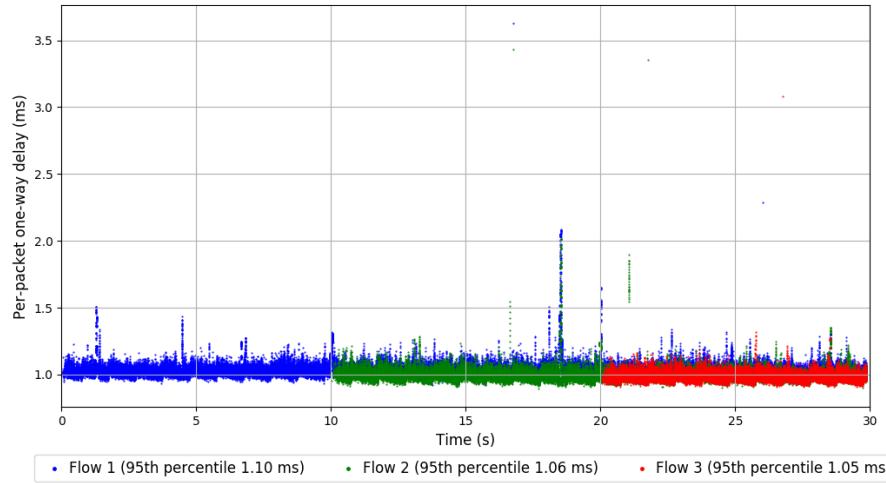
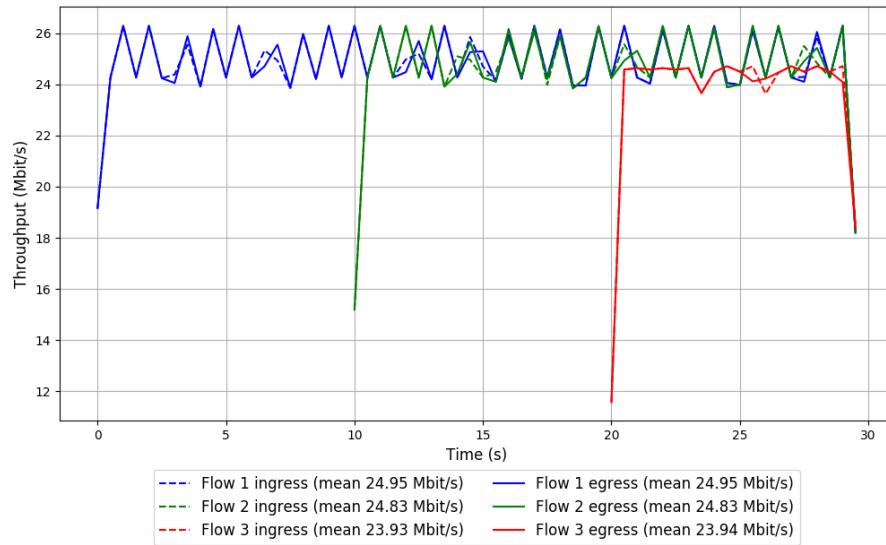


Run 9: Statistics of Sprout

```
Start at: 2018-04-24 20:42:11
End at: 2018-04-24 20:42:41
Local clock offset: 0.419 ms
Remote clock offset: -5.161 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.30 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 1.102 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.83 Mbit/s
95th percentile per-packet one-way delay: 1.064 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 1.047 ms
Loss rate: 0.18%
```

Run 9: Report of Sprout — Data Link

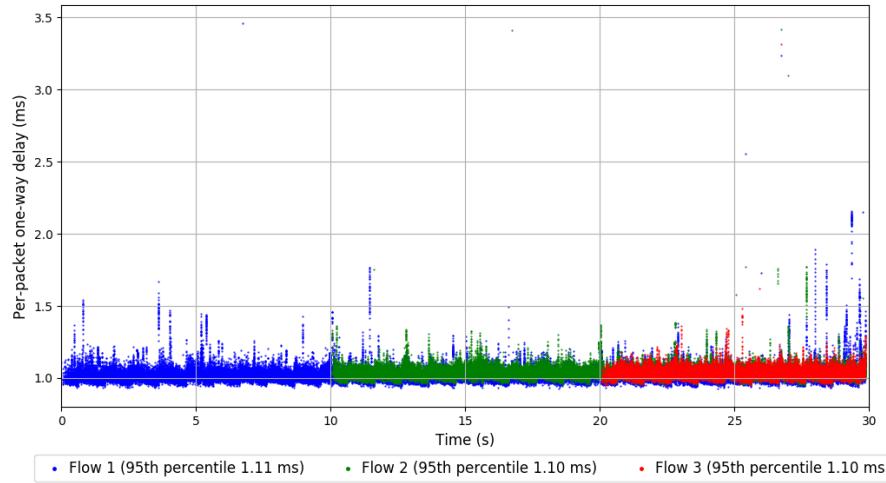
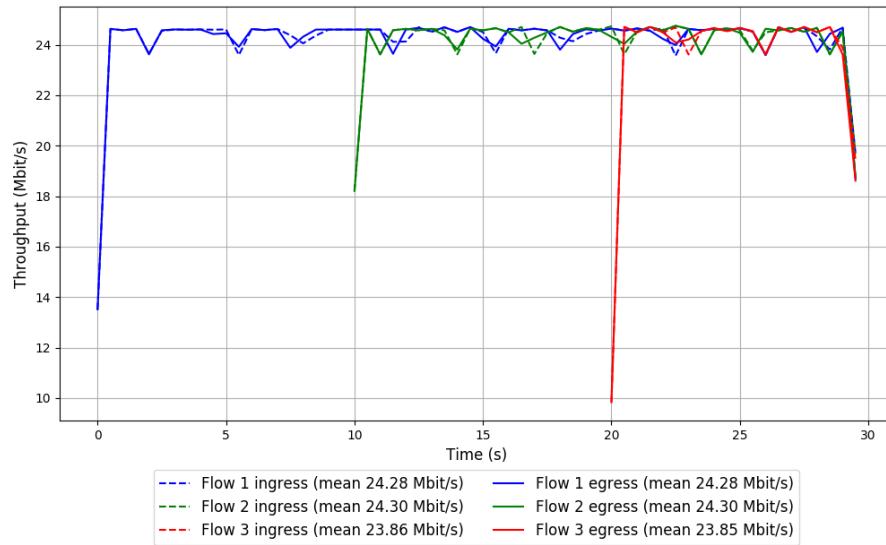


Run 10: Statistics of Sprout

```
Start at: 2018-04-24 21:08:46
End at: 2018-04-24 21:09:16
Local clock offset: 0.435 ms
Remote clock offset: -5.31 ms

# Below is generated by plot.py at 2018-04-25 03:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.29 Mbit/s
95th percentile per-packet one-way delay: 1.104 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 23.85 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.23%
```

Run 10: Report of Sprout — Data Link

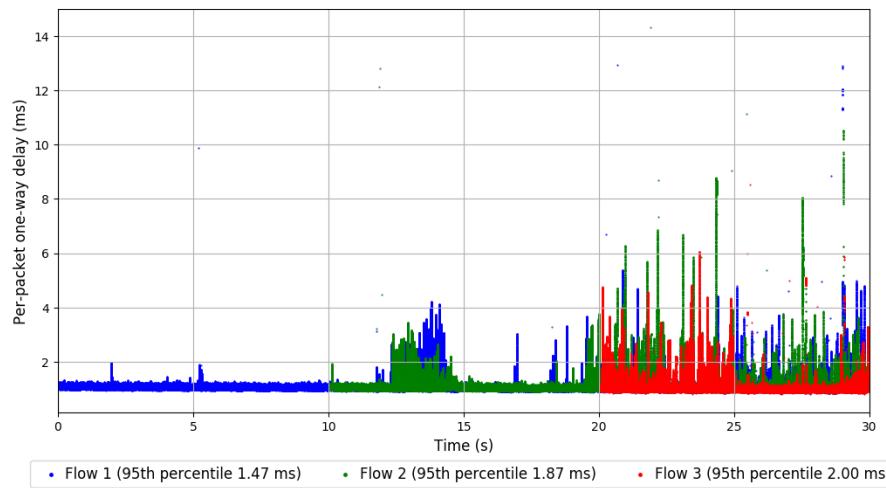
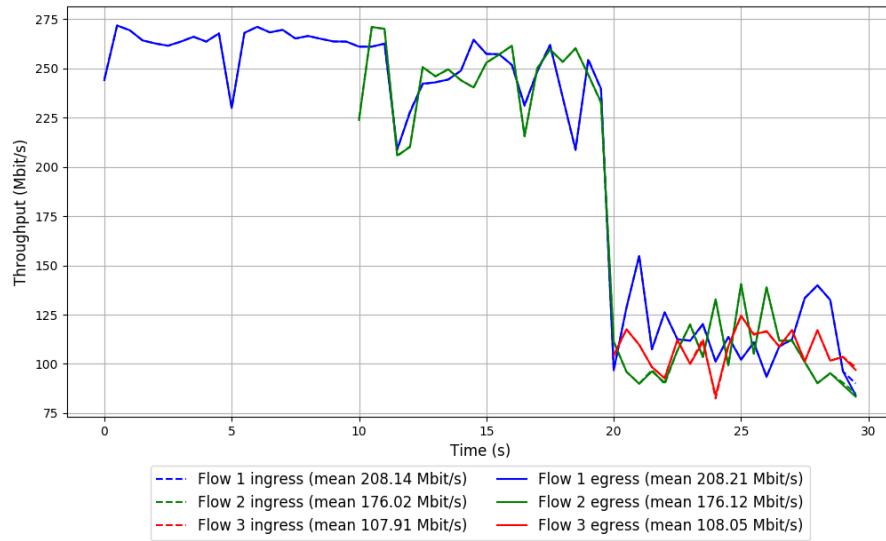


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-04-24 17:20:31
End at: 2018-04-24 17:21:01
Local clock offset: 0.466 ms
Remote clock offset: -4.668 ms

# Below is generated by plot.py at 2018-04-25 03:11:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 361.10 Mbit/s
95th percentile per-packet one-way delay: 1.697 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 208.21 Mbit/s
95th percentile per-packet one-way delay: 1.470 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 176.12 Mbit/s
95th percentile per-packet one-way delay: 1.873 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 108.05 Mbit/s
95th percentile per-packet one-way delay: 1.995 ms
Loss rate: 0.07%
```

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

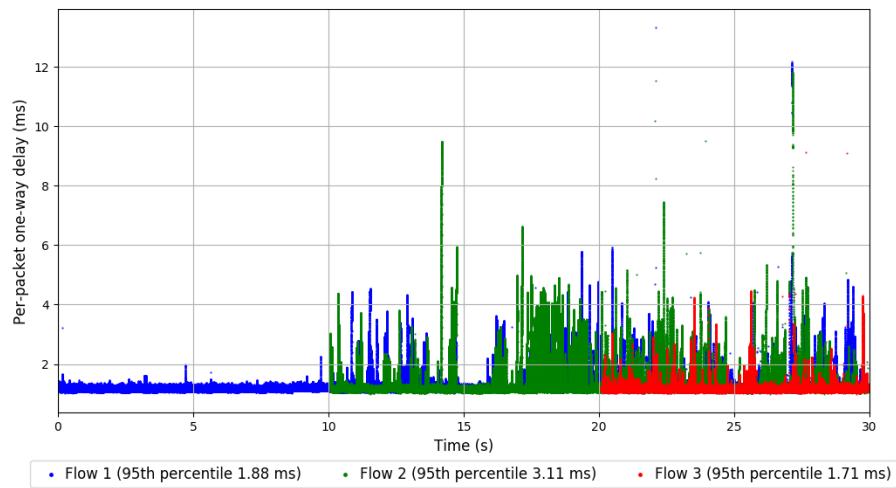
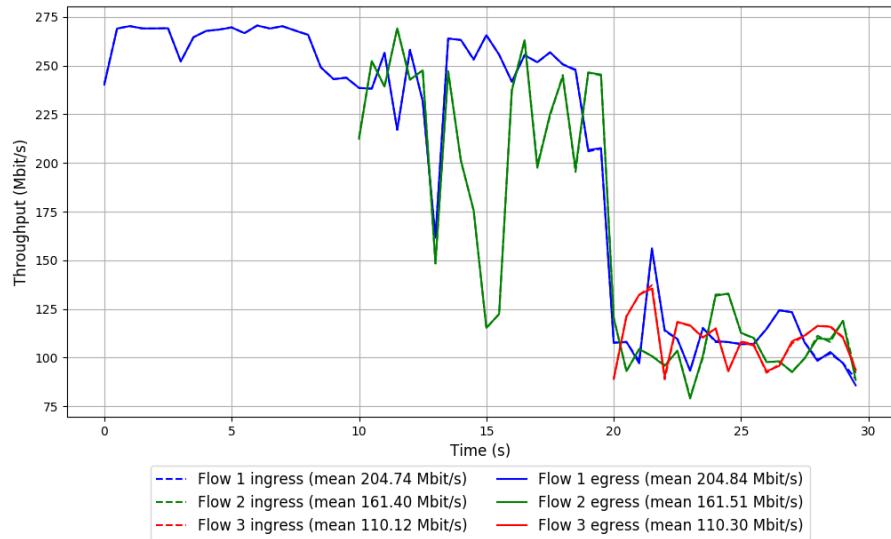


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-04-24 17:47:09
End at: 2018-04-24 17:47:39
Local clock offset: 0.03 ms
Remote clock offset: -6.215 ms

# Below is generated by plot.py at 2018-04-25 03:11:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.68 Mbit/s
95th percentile per-packet one-way delay: 2.322 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 204.84 Mbit/s
95th percentile per-packet one-way delay: 1.878 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 161.51 Mbit/s
95th percentile per-packet one-way delay: 3.107 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 110.30 Mbit/s
95th percentile per-packet one-way delay: 1.714 ms
Loss rate: 0.04%
```

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

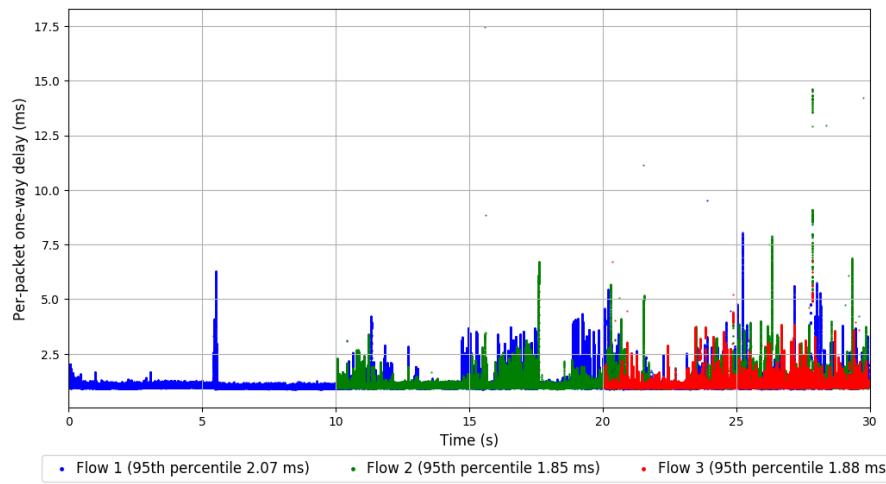
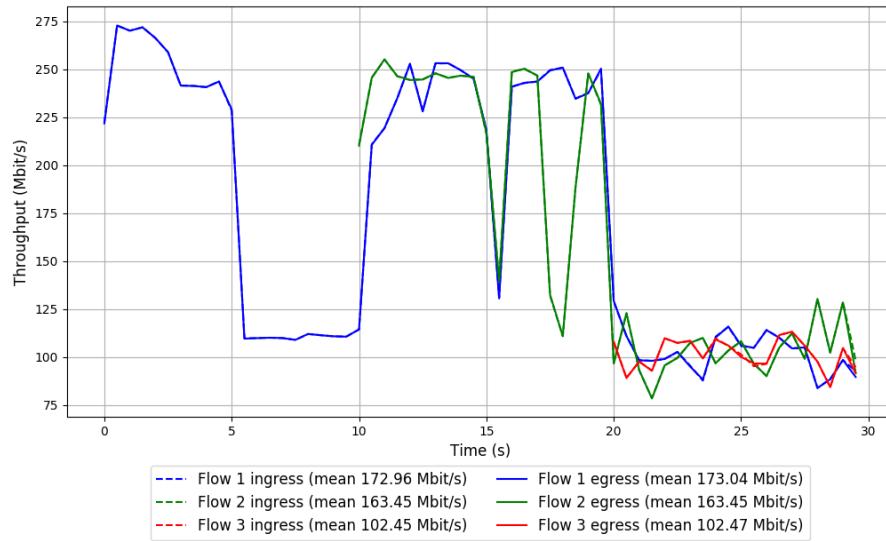


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-04-24 18:13:46
End at: 2018-04-24 18:14:16
Local clock offset: -1.003 ms
Remote clock offset: -5.174 ms

# Below is generated by plot.py at 2018-04-25 03:11:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 315.66 Mbit/s
95th percentile per-packet one-way delay: 1.961 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 173.04 Mbit/s
95th percentile per-packet one-way delay: 2.067 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 163.45 Mbit/s
95th percentile per-packet one-way delay: 1.848 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 102.47 Mbit/s
95th percentile per-packet one-way delay: 1.882 ms
Loss rate: 0.16%
```

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

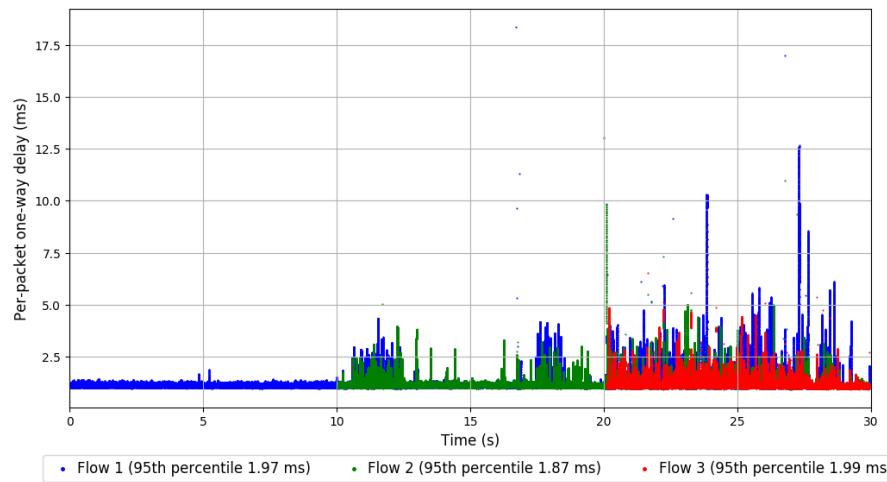
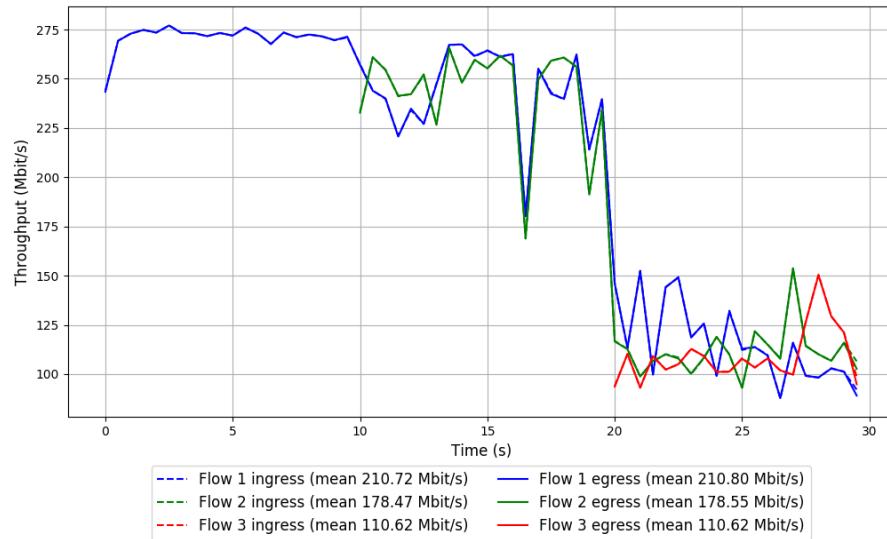


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-04-24 18:40:05
End at: 2018-04-24 18:40:35
Local clock offset: -1.789 ms
Remote clock offset: -6.014 ms

# Below is generated by plot.py at 2018-04-25 03:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.96 Mbit/s
95th percentile per-packet one-way delay: 1.933 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 210.80 Mbit/s
95th percentile per-packet one-way delay: 1.967 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 178.55 Mbit/s
95th percentile per-packet one-way delay: 1.872 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 110.62 Mbit/s
95th percentile per-packet one-way delay: 1.989 ms
Loss rate: 0.18%
```

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

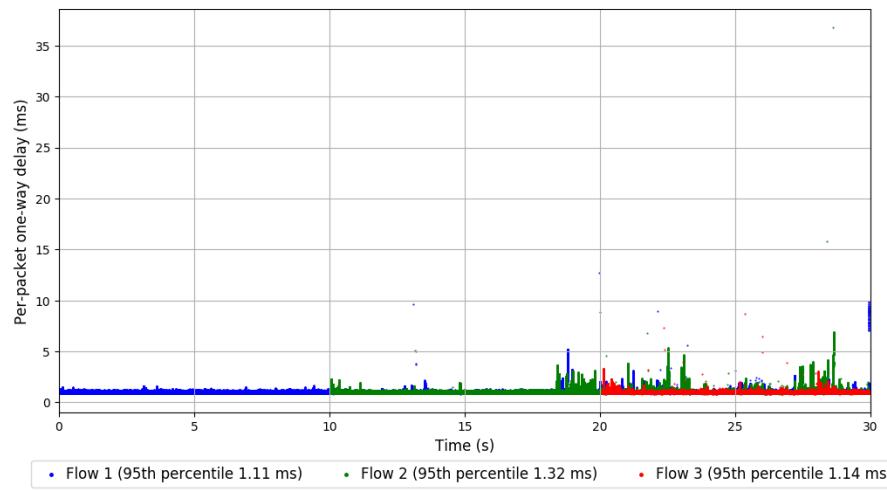
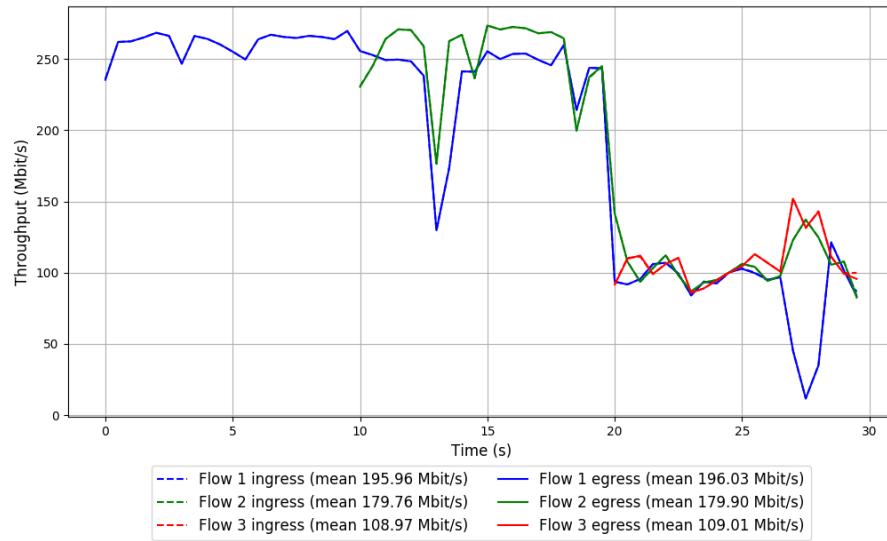


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-04-24 19:06:48
End at: 2018-04-24 19:07:18
Local clock offset: 0.492 ms
Remote clock offset: -6.303 ms

# Below is generated by plot.py at 2018-04-25 03:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 351.82 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 196.03 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 179.90 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 109.01 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.21%
```

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

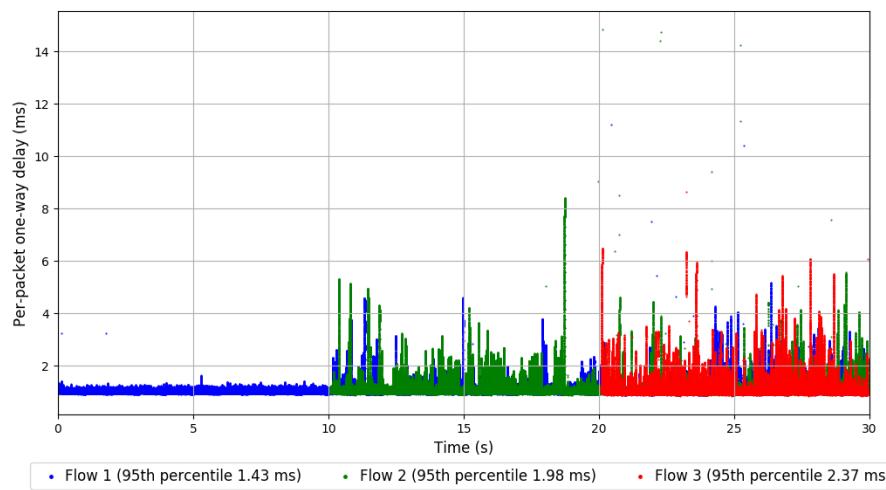
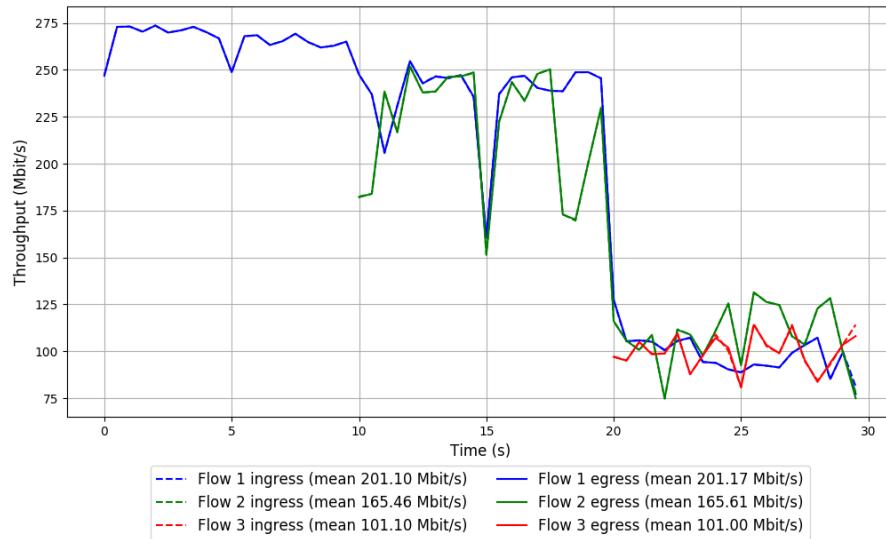


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-04-24 19:33:25
End at: 2018-04-24 19:33:55
Local clock offset: 0.718 ms
Remote clock offset: -6.101 ms

# Below is generated by plot.py at 2018-04-25 03:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 344.48 Mbit/s
95th percentile per-packet one-way delay: 1.734 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 201.17 Mbit/s
95th percentile per-packet one-way delay: 1.431 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 165.61 Mbit/s
95th percentile per-packet one-way delay: 1.975 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 101.00 Mbit/s
95th percentile per-packet one-way delay: 2.373 ms
Loss rate: 0.31%
```

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

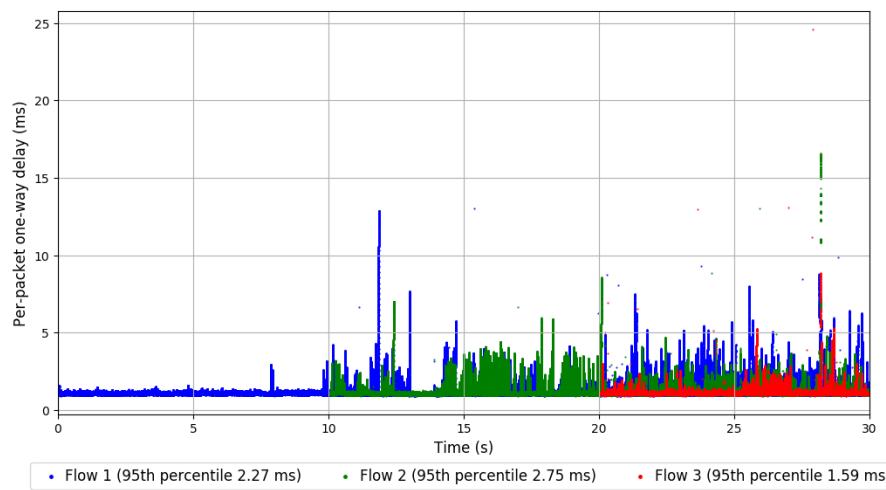
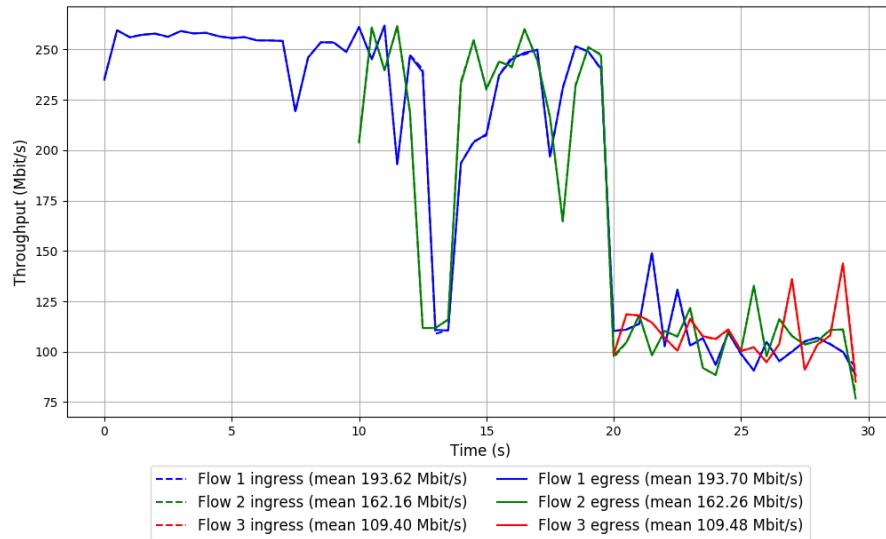


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-04-24 20:00:02
End at: 2018-04-24 20:00:32
Local clock offset: 0.668 ms
Remote clock offset: -5.254 ms

# Below is generated by plot.py at 2018-04-25 03:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 337.74 Mbit/s
95th percentile per-packet one-way delay: 2.419 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 193.70 Mbit/s
95th percentile per-packet one-way delay: 2.268 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 162.26 Mbit/s
95th percentile per-packet one-way delay: 2.746 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 109.48 Mbit/s
95th percentile per-packet one-way delay: 1.594 ms
Loss rate: 0.13%
```

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

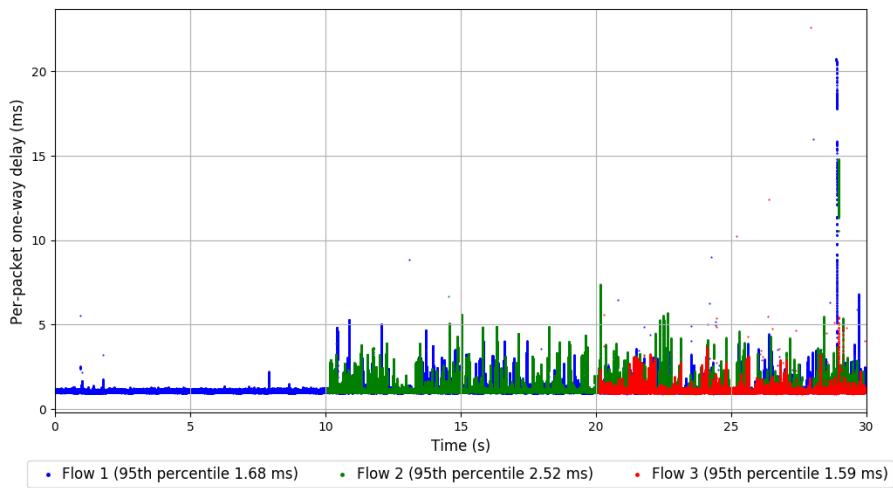
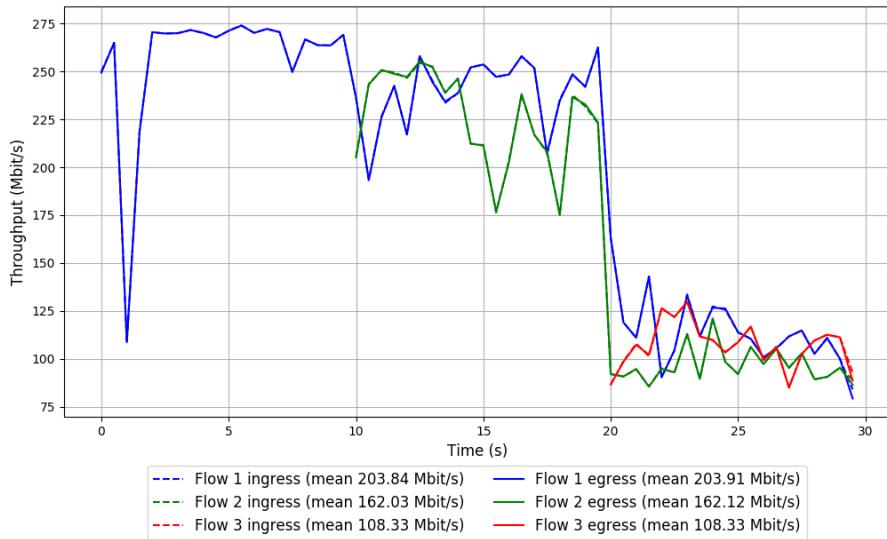


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-04-24 20:26:32
End at: 2018-04-24 20:27:02
Local clock offset: 0.444 ms
Remote clock offset: -5.196 ms

# Below is generated by plot.py at 2018-04-25 03:14:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 347.36 Mbit/s
95th percentile per-packet one-way delay: 2.017 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 203.91 Mbit/s
95th percentile per-packet one-way delay: 1.684 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 162.12 Mbit/s
95th percentile per-packet one-way delay: 2.515 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 108.33 Mbit/s
95th percentile per-packet one-way delay: 1.587 ms
Loss rate: 0.21%
```

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

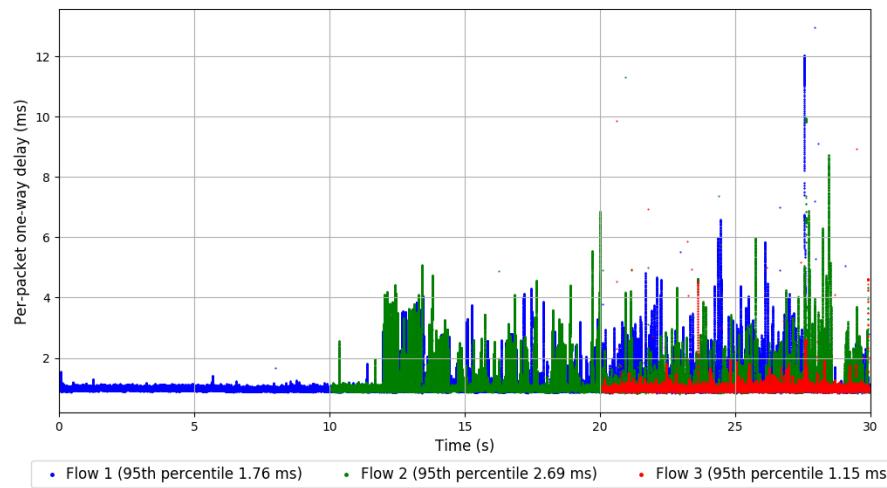
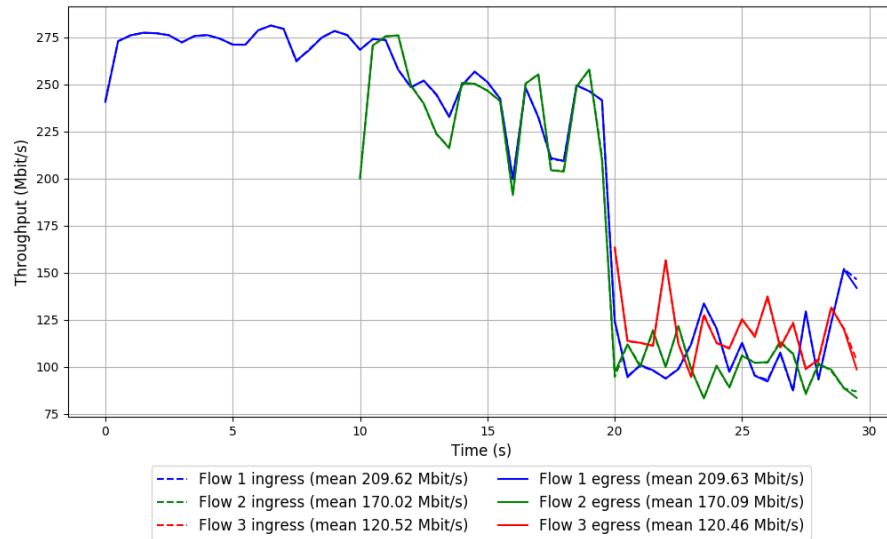


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-04-24 20:53:01
End at: 2018-04-24 20:53:31
Local clock offset: 0.55 ms
Remote clock offset: -5.207 ms

# Below is generated by plot.py at 2018-04-25 03:20:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 362.33 Mbit/s
95th percentile per-packet one-way delay: 2.081 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 209.63 Mbit/s
95th percentile per-packet one-way delay: 1.763 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 170.09 Mbit/s
95th percentile per-packet one-way delay: 2.693 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 120.46 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.23%
```

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

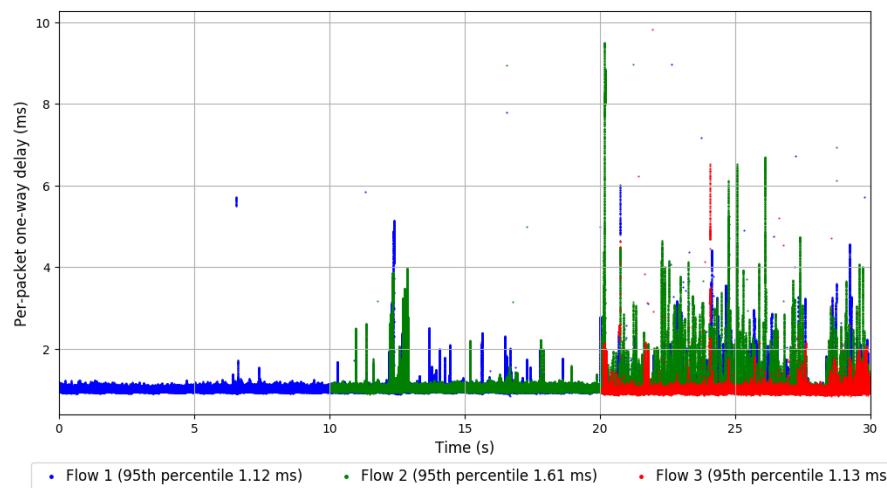
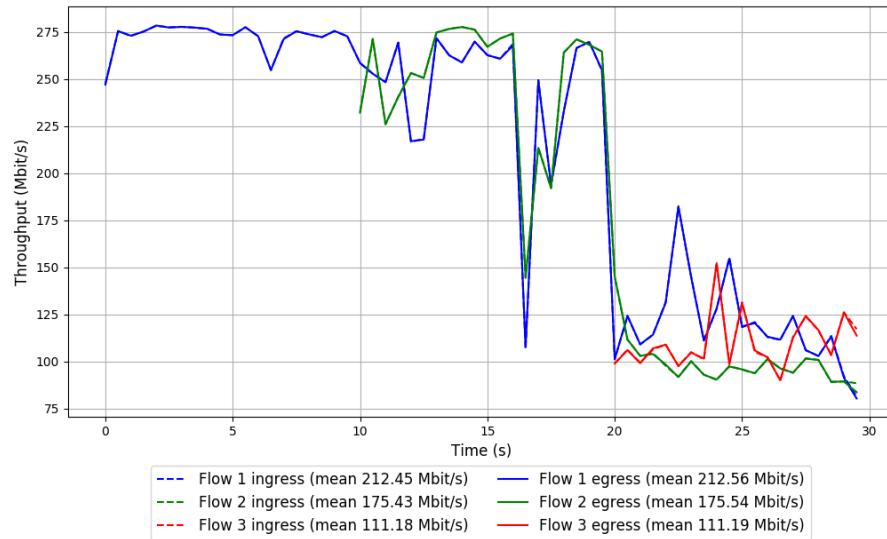


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-04-24 21:19:42
End at: 2018-04-24 21:20:12
Local clock offset: 0.361 ms
Remote clock offset: -5.295 ms

# Below is generated by plot.py at 2018-04-25 03:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.98 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 212.56 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 175.54 Mbit/s
95th percentile per-packet one-way delay: 1.612 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 111.19 Mbit/s
95th percentile per-packet one-way delay: 1.129 ms
Loss rate: 0.18%
```

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

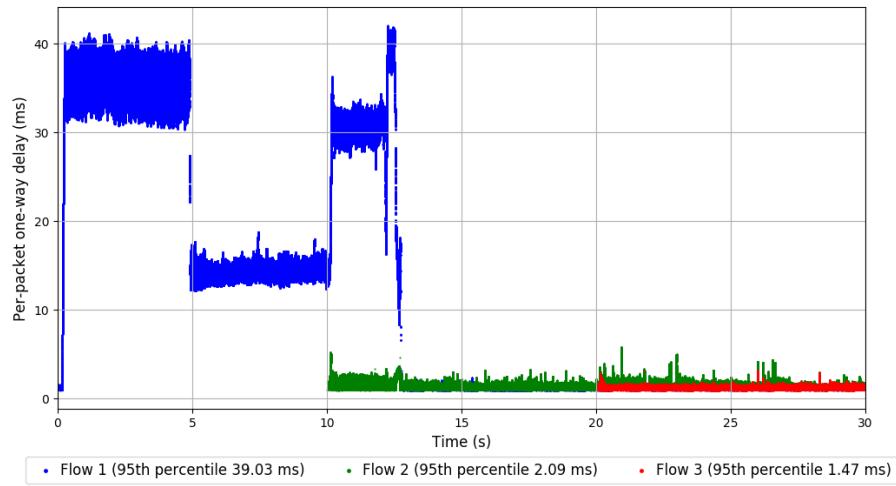
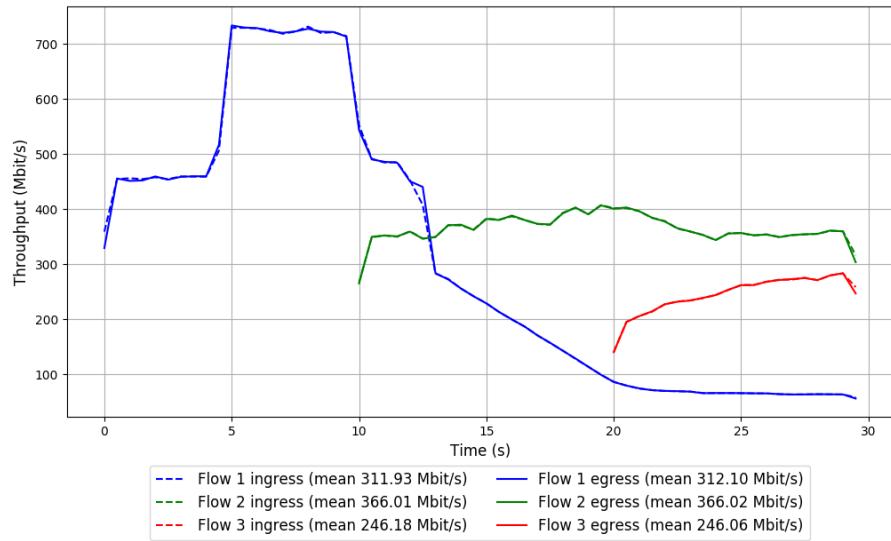


Run 1: Statistics of TCP Vegas

```
Start at: 2018-04-24 17:17:30
End at: 2018-04-24 17:18:00
Local clock offset: 0.361 ms
Remote clock offset: -4.72 ms

# Below is generated by plot.py at 2018-04-25 03:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 637.22 Mbit/s
95th percentile per-packet one-way delay: 38.367 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 312.10 Mbit/s
95th percentile per-packet one-way delay: 39.035 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 366.02 Mbit/s
95th percentile per-packet one-way delay: 2.093 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 246.06 Mbit/s
95th percentile per-packet one-way delay: 1.471 ms
Loss rate: 0.24%
```

Run 1: Report of TCP Vegas — Data Link

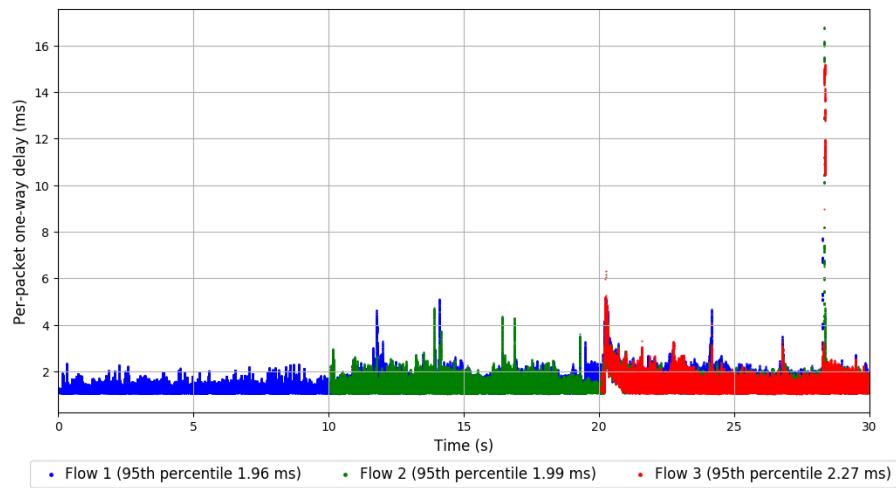
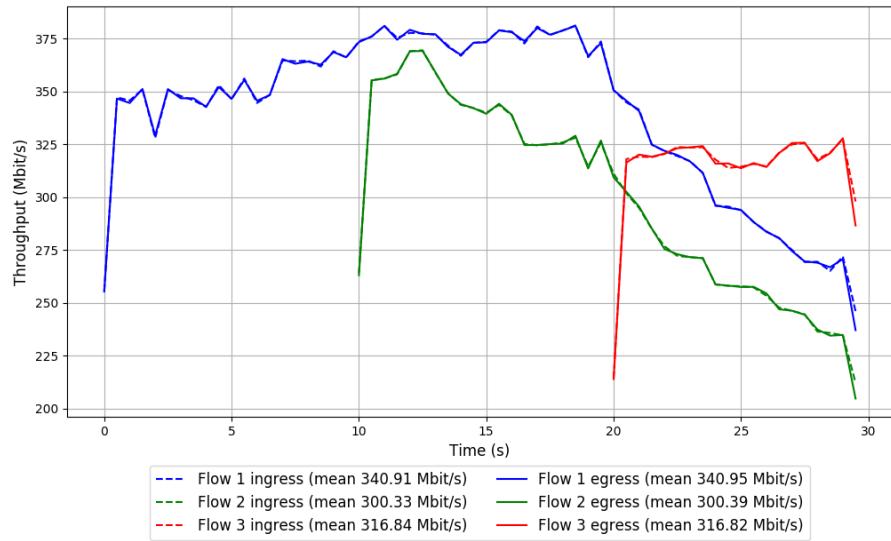


Run 2: Statistics of TCP Vegas

```
Start at: 2018-04-24 17:44:08
End at: 2018-04-24 17:44:38
Local clock offset: 0.154 ms
Remote clock offset: -6.18 ms

# Below is generated by plot.py at 2018-04-25 03:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 645.47 Mbit/s
95th percentile per-packet one-way delay: 2.016 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 340.95 Mbit/s
95th percentile per-packet one-way delay: 1.962 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 300.39 Mbit/s
95th percentile per-packet one-way delay: 1.986 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 316.82 Mbit/s
95th percentile per-packet one-way delay: 2.270 ms
Loss rate: 0.20%
```

Run 2: Report of TCP Vegas — Data Link

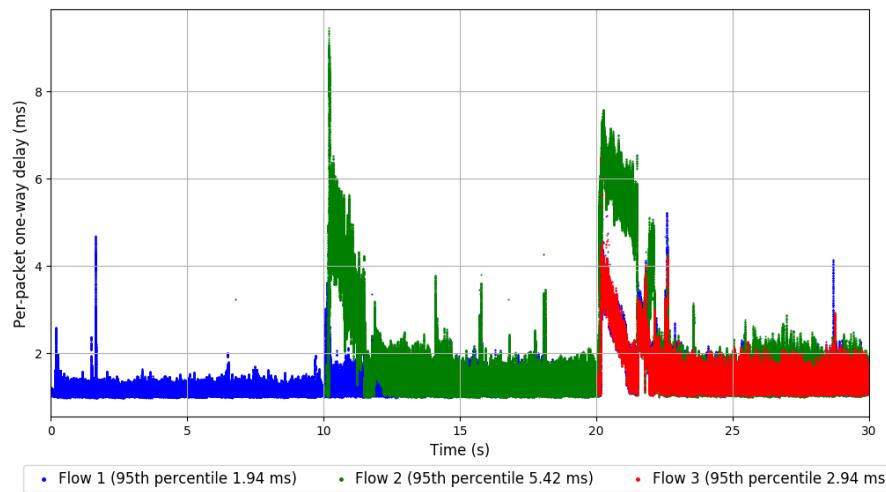
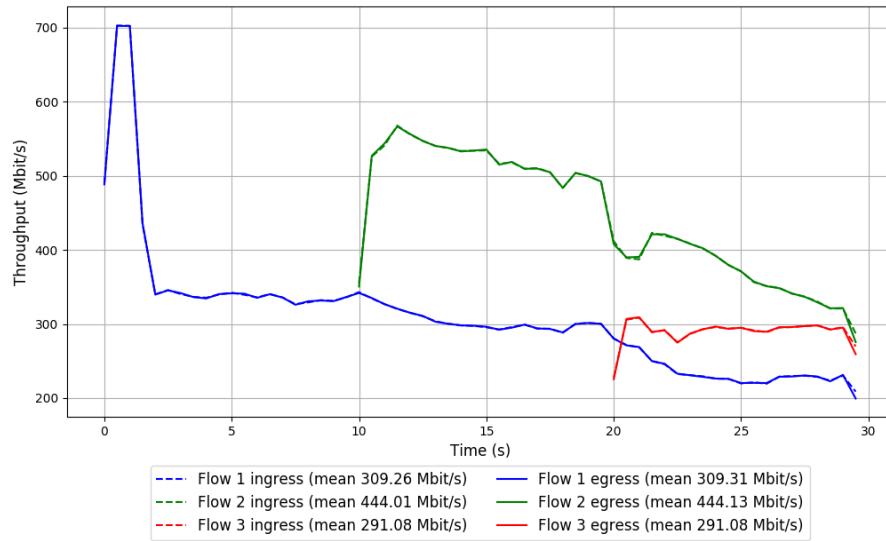


Run 3: Statistics of TCP Vegas

```
Start at: 2018-04-24 18:10:43
End at: 2018-04-24 18:11:13
Local clock offset: -0.842 ms
Remote clock offset: -5.254 ms

# Below is generated by plot.py at 2018-04-25 03:21:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 701.24 Mbit/s
95th percentile per-packet one-way delay: 3.673 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 309.31 Mbit/s
95th percentile per-packet one-way delay: 1.938 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 444.13 Mbit/s
95th percentile per-packet one-way delay: 5.425 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 291.08 Mbit/s
95th percentile per-packet one-way delay: 2.945 ms
Loss rate: 0.20%
```

Run 3: Report of TCP Vegas — Data Link

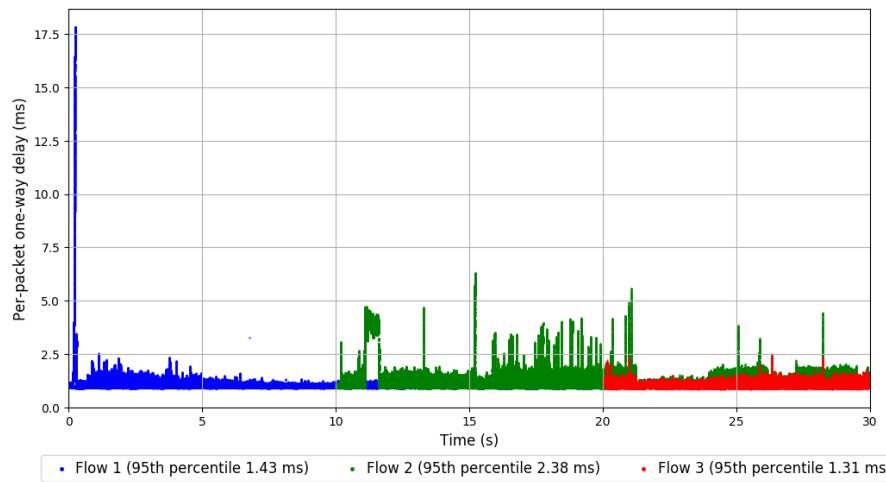
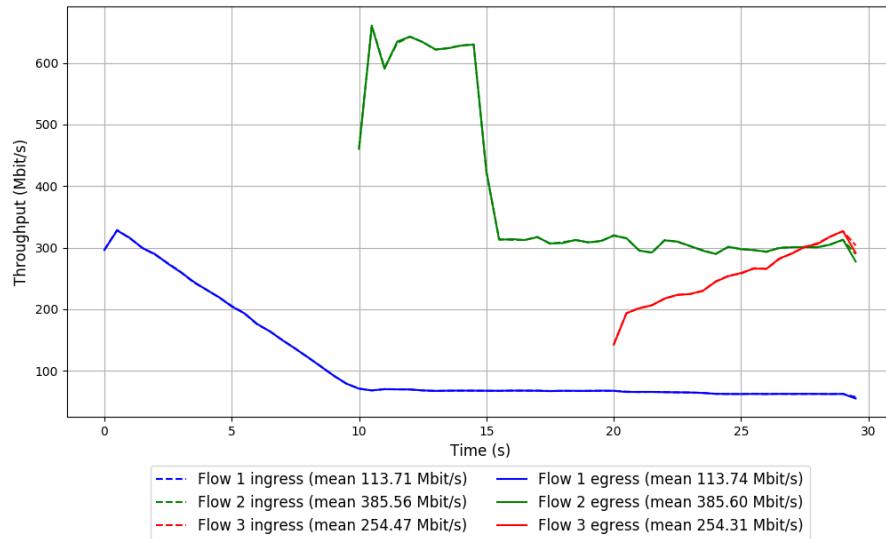


Run 4: Statistics of TCP Vegas

```
Start at: 2018-04-24 18:37:10
End at: 2018-04-24 18:37:40
Local clock offset: -1.764 ms
Remote clock offset: -5.801 ms

# Below is generated by plot.py at 2018-04-25 03:21:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 454.65 Mbit/s
95th percentile per-packet one-way delay: 1.679 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 113.74 Mbit/s
95th percentile per-packet one-way delay: 1.427 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 385.60 Mbit/s
95th percentile per-packet one-way delay: 2.379 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 254.31 Mbit/s
95th percentile per-packet one-way delay: 1.314 ms
Loss rate: 0.26%
```

Run 4: Report of TCP Vegas — Data Link

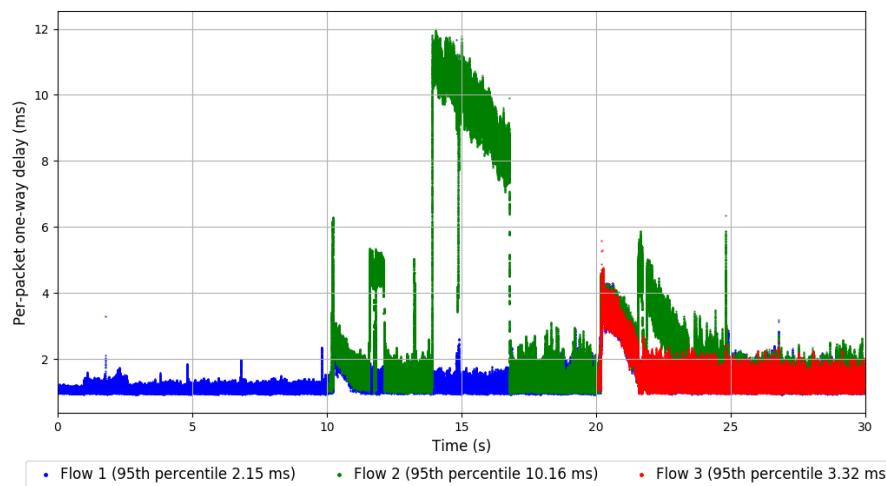
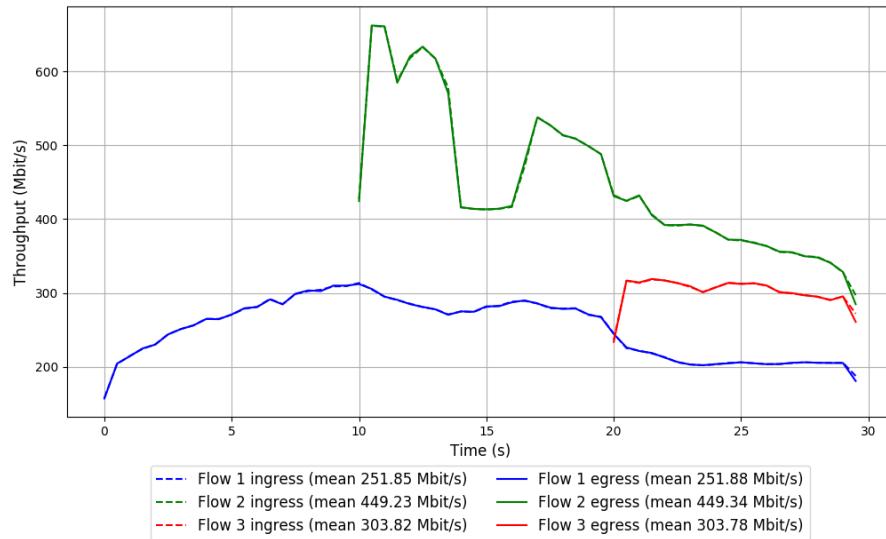


Run 5: Statistics of TCP Vegas

```
Start at: 2018-04-24 19:03:46
End at: 2018-04-24 19:04:16
Local clock offset: 0.385 ms
Remote clock offset: -6.458 ms

# Below is generated by plot.py at 2018-04-25 03:21:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 651.05 Mbit/s
95th percentile per-packet one-way delay: 8.665 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 251.88 Mbit/s
95th percentile per-packet one-way delay: 2.150 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 449.34 Mbit/s
95th percentile per-packet one-way delay: 10.159 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 303.78 Mbit/s
95th percentile per-packet one-way delay: 3.321 ms
Loss rate: 0.20%
```

Run 5: Report of TCP Vegas — Data Link

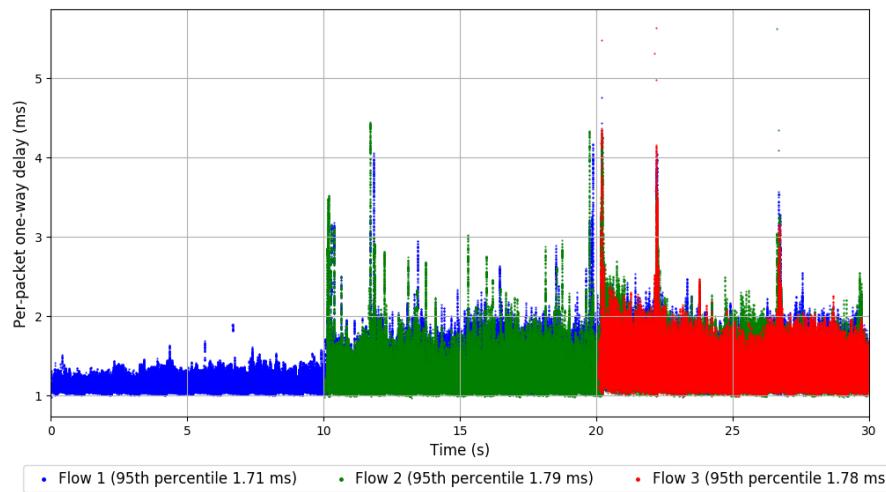
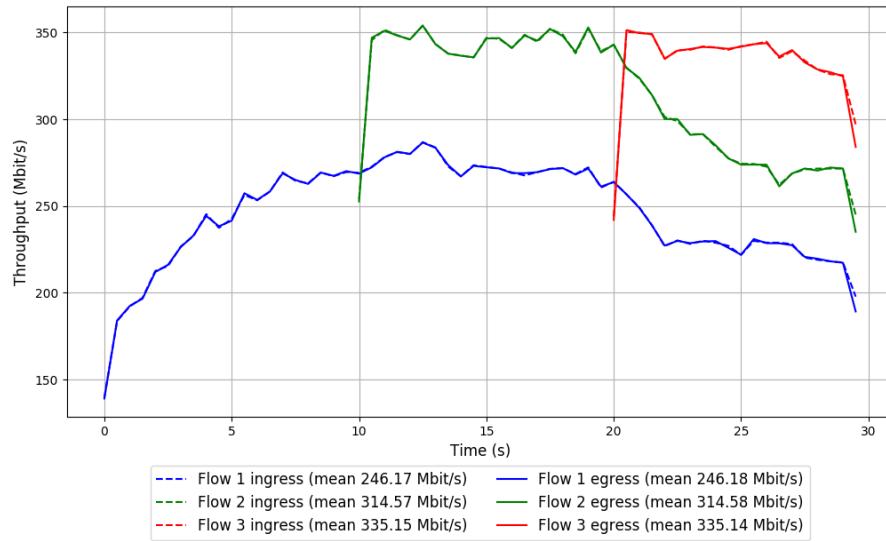


Run 6: Statistics of TCP Vegas

```
Start at: 2018-04-24 19:30:27
End at: 2018-04-24 19:30:57
Local clock offset: 0.76 ms
Remote clock offset: -6.094 ms

# Below is generated by plot.py at 2018-04-25 03:23:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 566.40 Mbit/s
95th percentile per-packet one-way delay: 1.754 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 246.18 Mbit/s
95th percentile per-packet one-way delay: 1.707 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 314.58 Mbit/s
95th percentile per-packet one-way delay: 1.793 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 335.14 Mbit/s
95th percentile per-packet one-way delay: 1.781 ms
Loss rate: 0.20%
```

Run 6: Report of TCP Vegas — Data Link

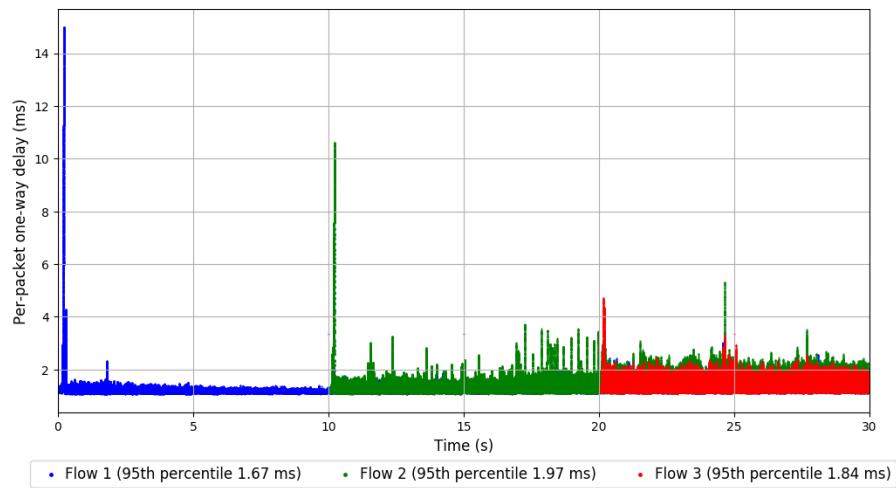
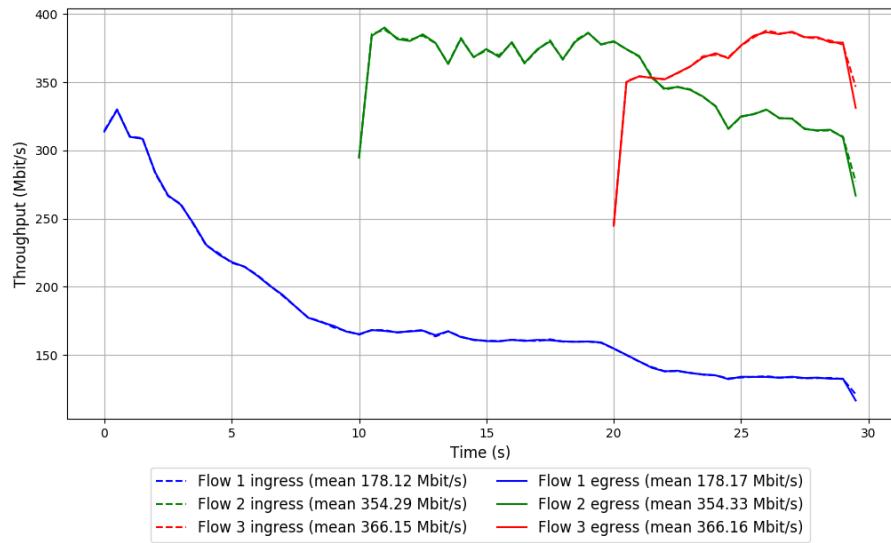


Run 7: Statistics of TCP Vegas

```
Start at: 2018-04-24 19:57:05
End at: 2018-04-24 19:57:35
Local clock offset: 0.817 ms
Remote clock offset: -5.378 ms

# Below is generated by plot.py at 2018-04-25 03:26:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 535.05 Mbit/s
95th percentile per-packet one-way delay: 1.867 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 178.17 Mbit/s
95th percentile per-packet one-way delay: 1.668 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 354.33 Mbit/s
95th percentile per-packet one-way delay: 1.966 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 366.16 Mbit/s
95th percentile per-packet one-way delay: 1.838 ms
Loss rate: 0.21%
```

Run 7: Report of TCP Vegas — Data Link

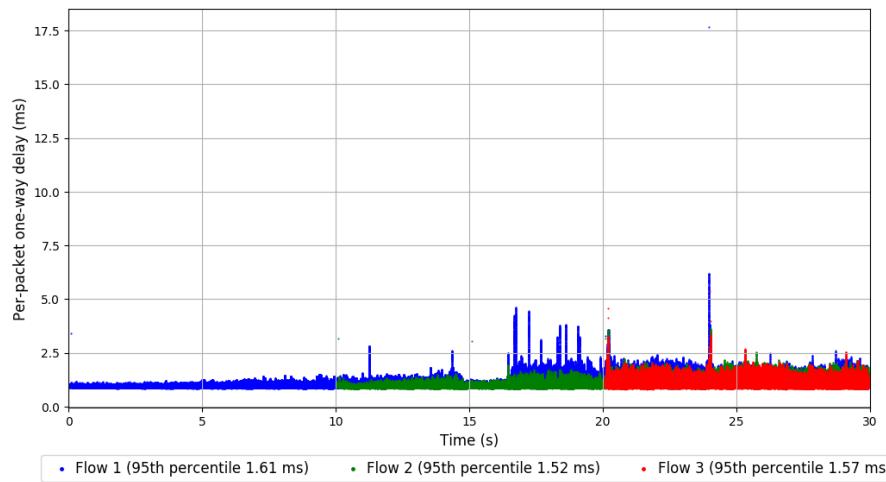
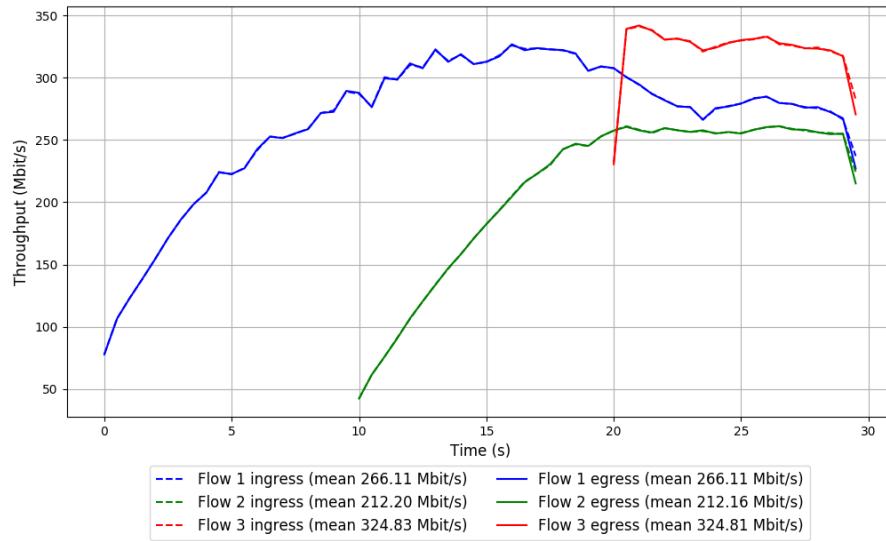


Run 8: Statistics of TCP Vegas

```
Start at: 2018-04-24 20:23:36
End at: 2018-04-24 20:24:06
Local clock offset: 0.327 ms
Remote clock offset: -5.202 ms

# Below is generated by plot.py at 2018-04-25 03:28:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 514.54 Mbit/s
95th percentile per-packet one-way delay: 1.578 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 266.11 Mbit/s
95th percentile per-packet one-way delay: 1.614 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 212.16 Mbit/s
95th percentile per-packet one-way delay: 1.519 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 324.81 Mbit/s
95th percentile per-packet one-way delay: 1.567 ms
Loss rate: 0.20%
```

Run 8: Report of TCP Vegas — Data Link

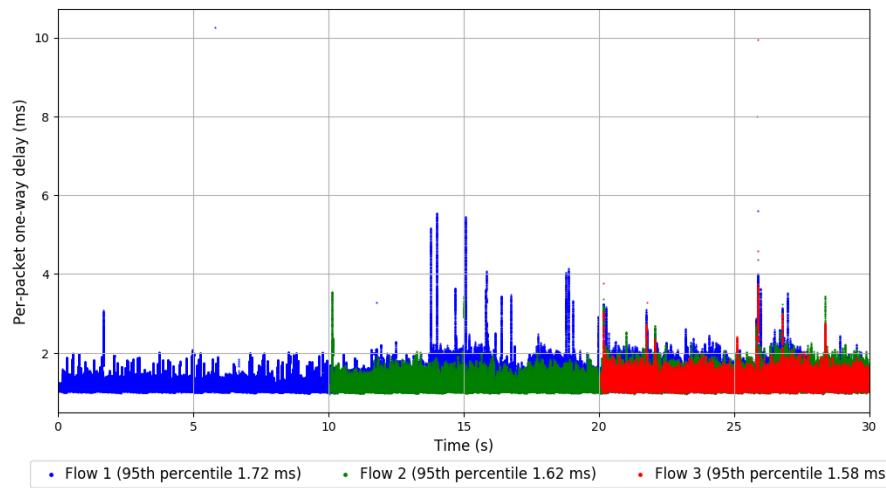
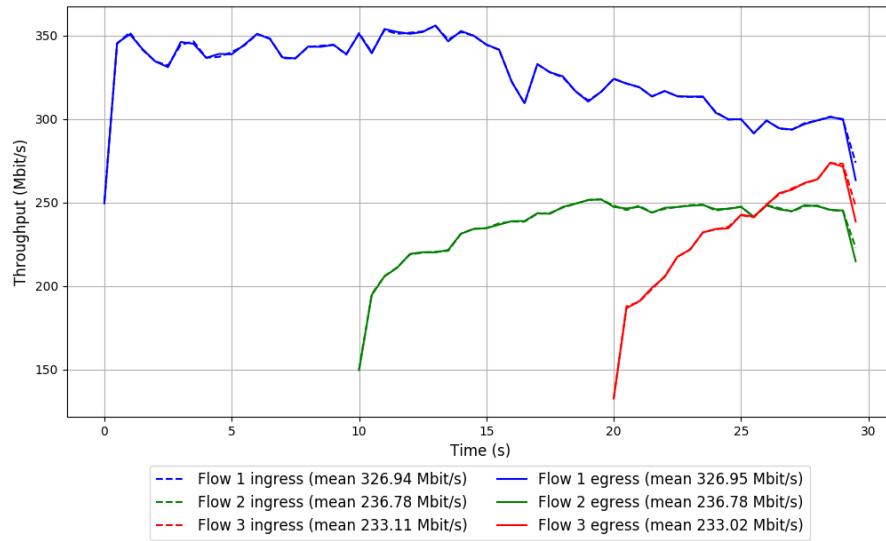


Run 9: Statistics of TCP Vegas

```
Start at: 2018-04-24 20:50:03
End at: 2018-04-24 20:50:33
Local clock offset: 0.54 ms
Remote clock offset: -5.271 ms

# Below is generated by plot.py at 2018-04-25 03:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 561.58 Mbit/s
95th percentile per-packet one-way delay: 1.671 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 326.95 Mbit/s
95th percentile per-packet one-way delay: 1.715 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 236.78 Mbit/s
95th percentile per-packet one-way delay: 1.617 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 233.02 Mbit/s
95th percentile per-packet one-way delay: 1.576 ms
Loss rate: 0.24%
```

Run 9: Report of TCP Vegas — Data Link

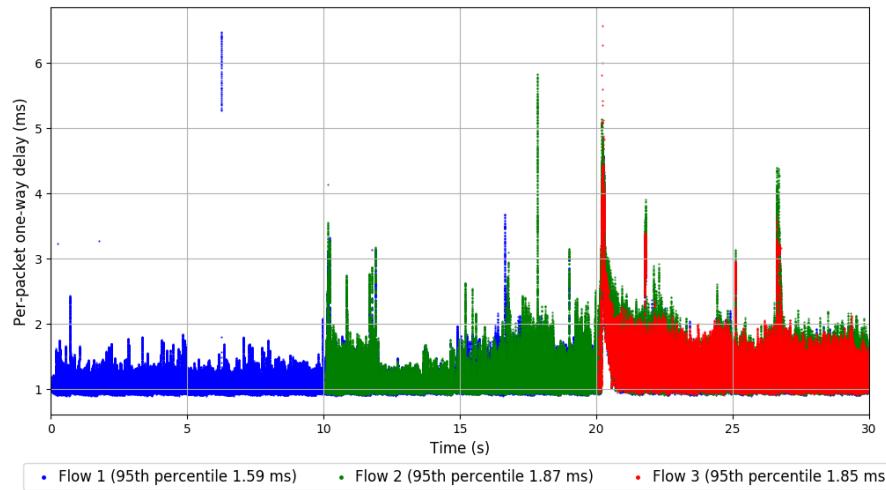
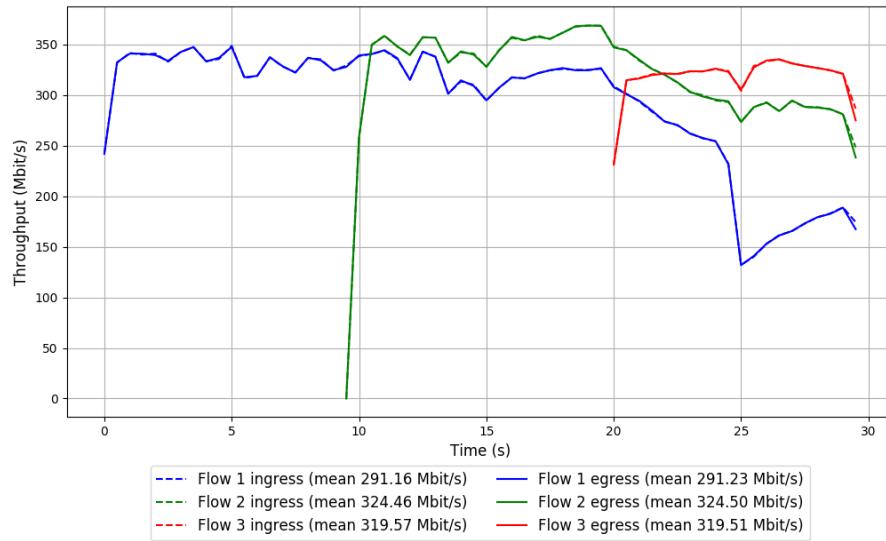


Run 10: Statistics of TCP Vegas

```
Start at: 2018-04-24 21:16:42
End at: 2018-04-24 21:17:12
Local clock offset: 0.374 ms
Remote clock offset: -5.295 ms

# Below is generated by plot.py at 2018-04-25 03:30:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 613.10 Mbit/s
95th percentile per-packet one-way delay: 1.753 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 291.23 Mbit/s
95th percentile per-packet one-way delay: 1.586 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 324.50 Mbit/s
95th percentile per-packet one-way delay: 1.868 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 319.51 Mbit/s
95th percentile per-packet one-way delay: 1.848 ms
Loss rate: 0.19%
```

Run 10: Report of TCP Vegas — Data Link

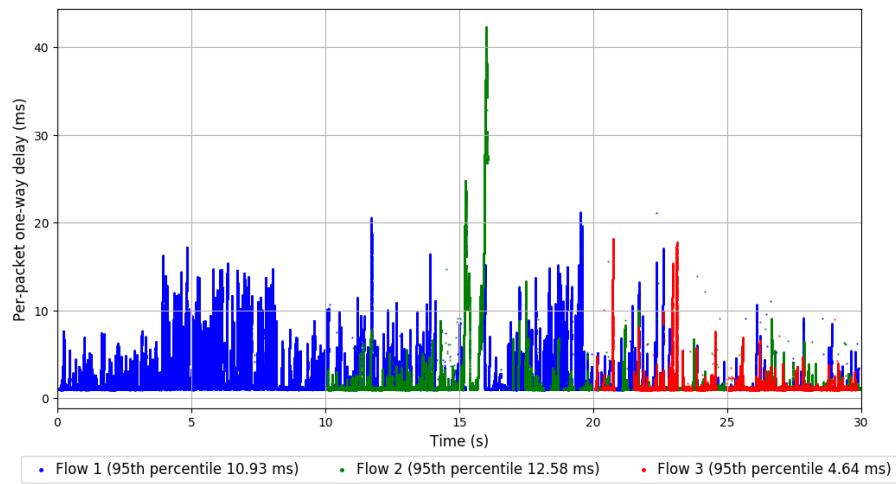
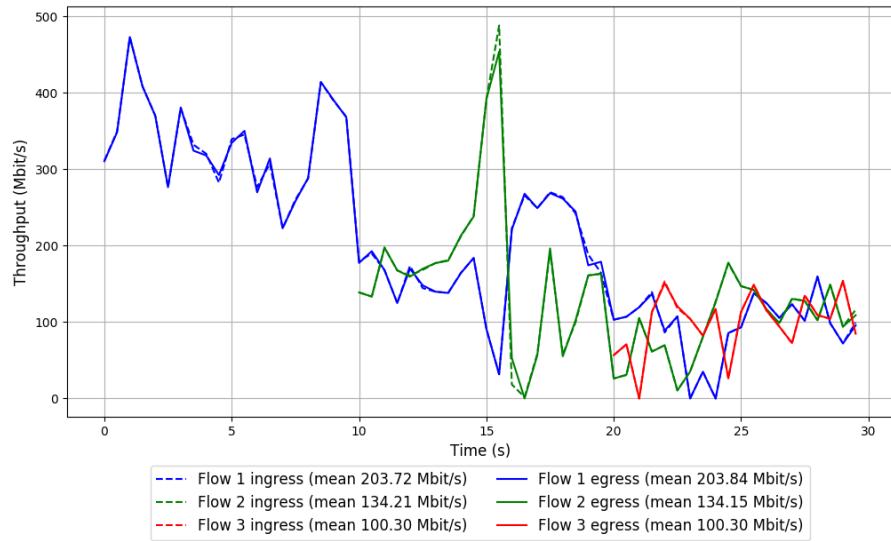


Run 1: Statistics of Verus

```
Start at: 2018-04-24 17:07:58
End at: 2018-04-24 17:08:28
Local clock offset: 0.38 ms
Remote clock offset: -4.942 ms

# Below is generated by plot.py at 2018-04-25 03:30:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 326.05 Mbit/s
95th percentile per-packet one-way delay: 11.099 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 203.84 Mbit/s
95th percentile per-packet one-way delay: 10.934 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 134.15 Mbit/s
95th percentile per-packet one-way delay: 12.583 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 100.30 Mbit/s
95th percentile per-packet one-way delay: 4.638 ms
Loss rate: 0.00%
```

Run 1: Report of Verus — Data Link

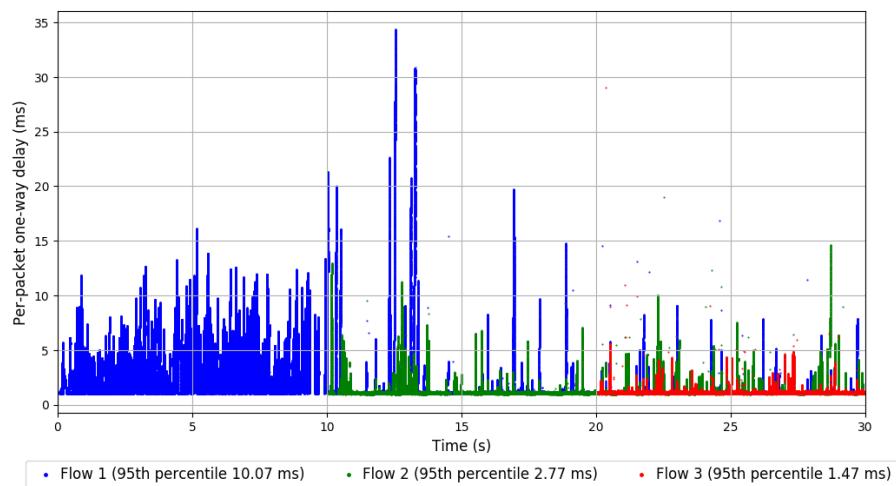
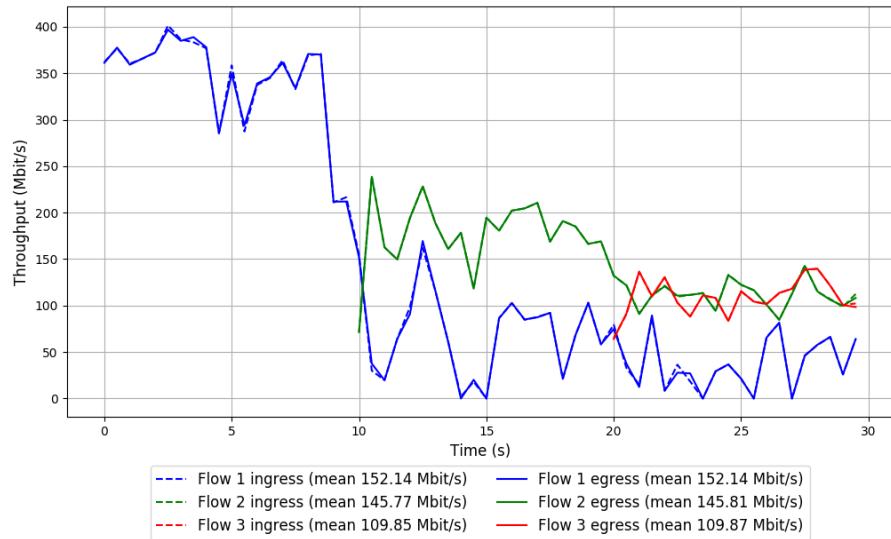


Run 2: Statistics of Verus

```
Start at: 2018-04-24 17:34:38
End at: 2018-04-24 17:35:08
Local clock offset: 0.467 ms
Remote clock offset: -5.917 ms

# Below is generated by plot.py at 2018-04-25 03:30:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 284.81 Mbit/s
95th percentile per-packet one-way delay: 8.175 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 152.14 Mbit/s
95th percentile per-packet one-way delay: 10.070 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 145.81 Mbit/s
95th percentile per-packet one-way delay: 2.775 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 109.87 Mbit/s
95th percentile per-packet one-way delay: 1.467 ms
Loss rate: 0.19%
```

Run 2: Report of Verus — Data Link

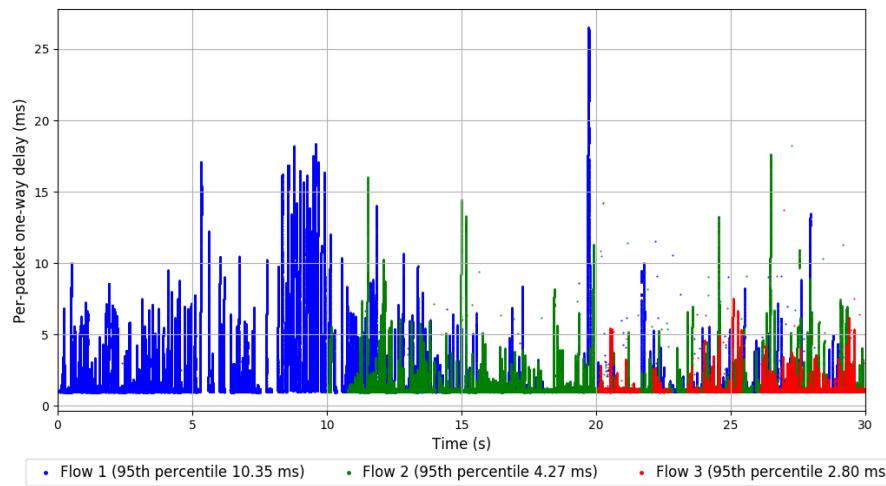
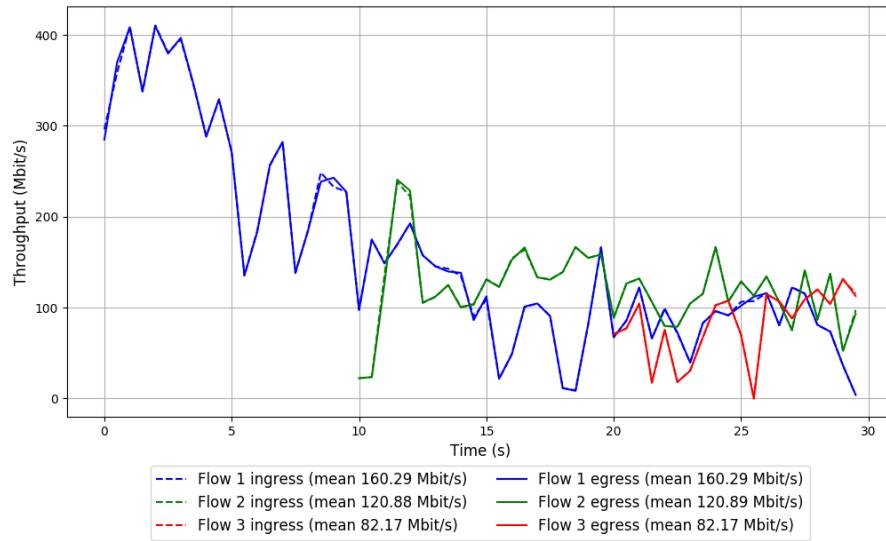


Run 3: Statistics of Verus

```
Start at: 2018-04-24 18:01:16
End at: 2018-04-24 18:01:46
Local clock offset: -0.48 ms
Remote clock offset: -5.572 ms

# Below is generated by plot.py at 2018-04-25 03:30:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 267.58 Mbit/s
95th percentile per-packet one-way delay: 7.786 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 160.29 Mbit/s
95th percentile per-packet one-way delay: 10.354 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 120.89 Mbit/s
95th percentile per-packet one-way delay: 4.266 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 82.17 Mbit/s
95th percentile per-packet one-way delay: 2.800 ms
Loss rate: 0.19%
```

Run 3: Report of Verus — Data Link

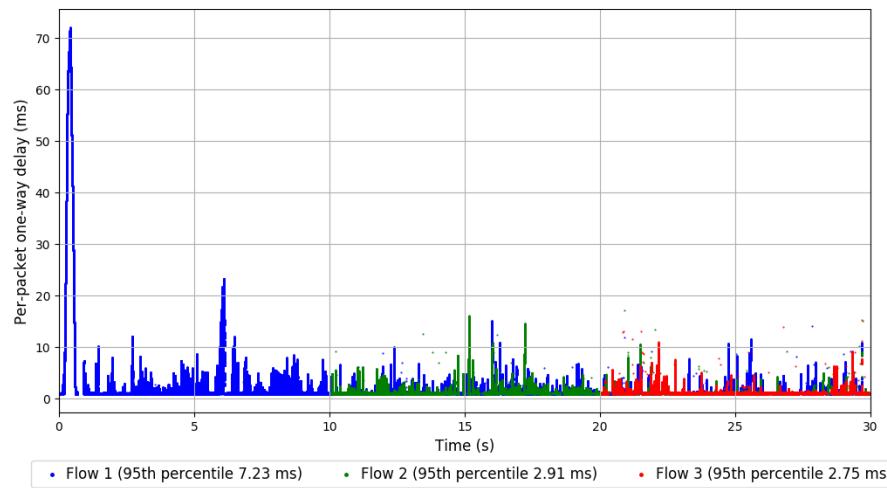
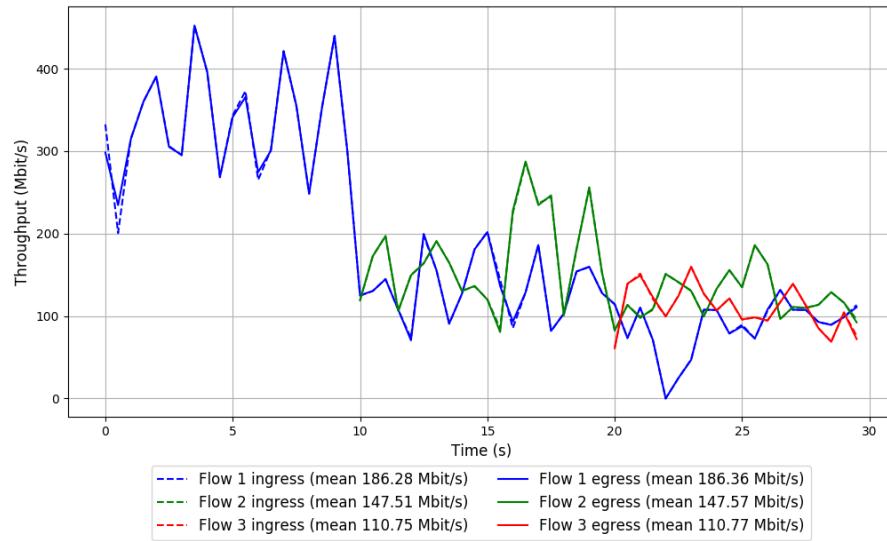


Run 4: Statistics of Verus

```
Start at: 2018-04-24 18:27:50
End at: 2018-04-24 18:28:20
Local clock offset: -1.488 ms
Remote clock offset: -4.876 ms

# Below is generated by plot.py at 2018-04-25 03:30:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 321.34 Mbit/s
95th percentile per-packet one-way delay: 5.171 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 186.36 Mbit/s
95th percentile per-packet one-way delay: 7.231 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 147.57 Mbit/s
95th percentile per-packet one-way delay: 2.907 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 110.77 Mbit/s
95th percentile per-packet one-way delay: 2.754 ms
Loss rate: 0.19%
```

Run 4: Report of Verus — Data Link

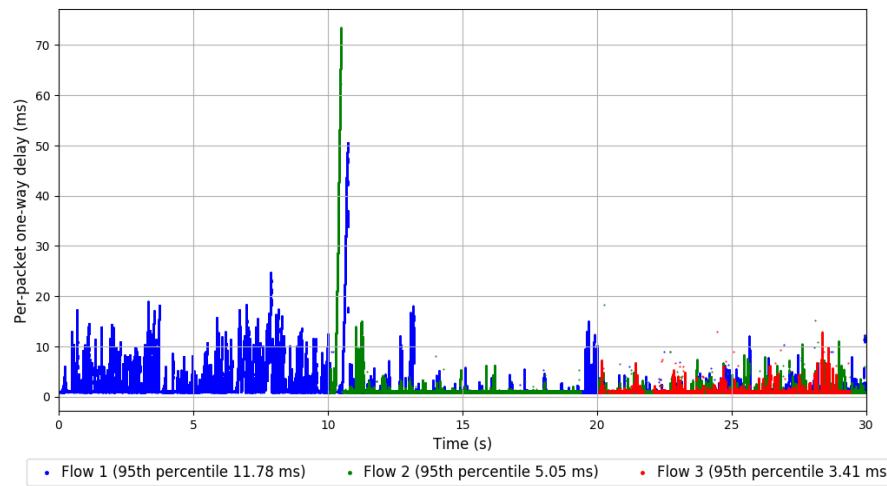
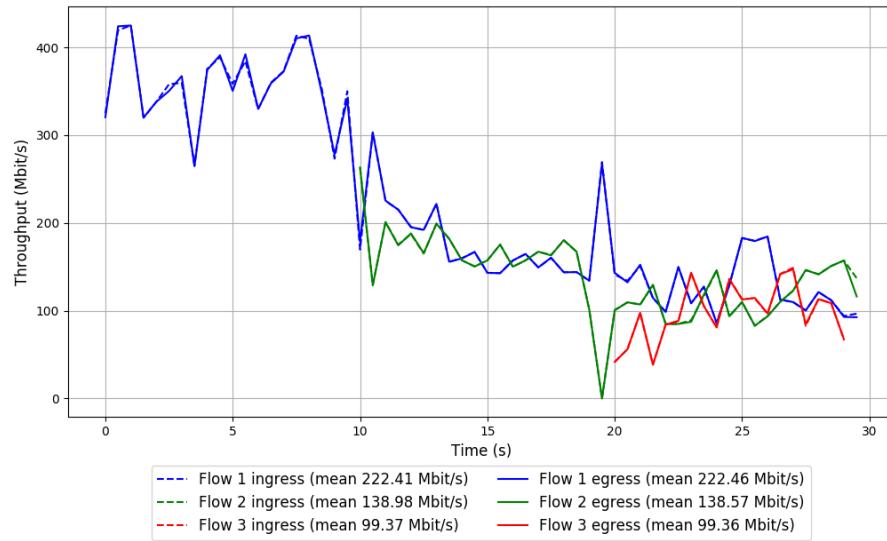


Run 5: Statistics of Verus

```
Start at: 2018-04-24 18:54:12
End at: 2018-04-24 18:54:42
Local clock offset: -0.158 ms
Remote clock offset: -6.336 ms

# Below is generated by plot.py at 2018-04-25 03:31:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 345.74 Mbit/s
95th percentile per-packet one-way delay: 10.647 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 222.46 Mbit/s
95th percentile per-packet one-way delay: 11.775 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 138.57 Mbit/s
95th percentile per-packet one-way delay: 5.055 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 99.36 Mbit/s
95th percentile per-packet one-way delay: 3.410 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link

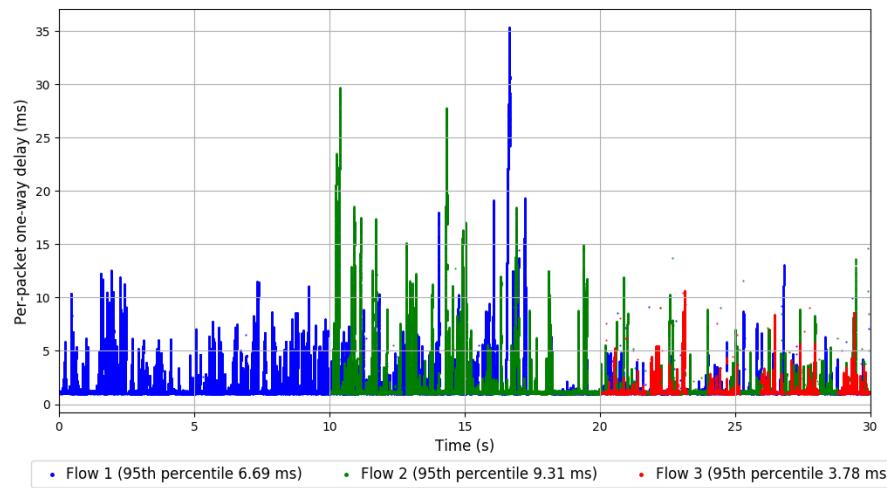
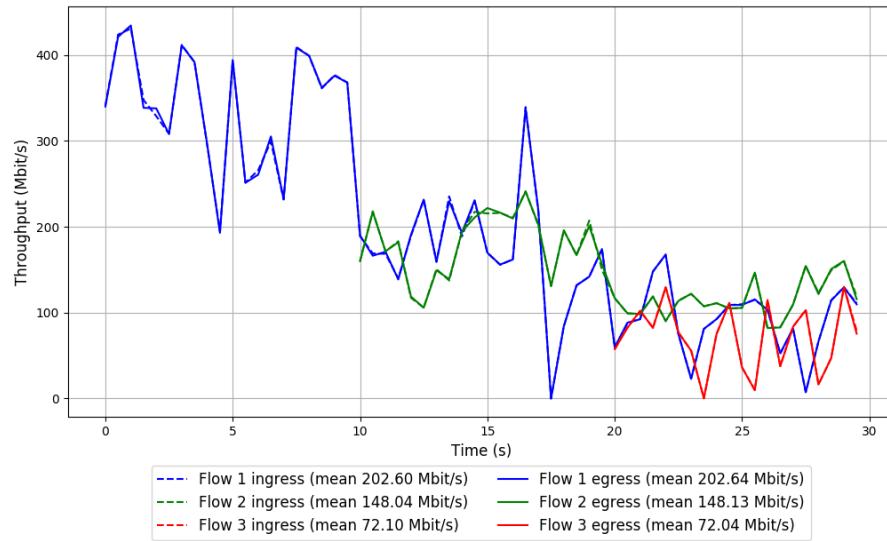


Run 6: Statistics of Verus

```
Start at: 2018-04-24 19:20:56
End at: 2018-04-24 19:21:26
Local clock offset: 0.802 ms
Remote clock offset: -6.048 ms

# Below is generated by plot.py at 2018-04-25 03:31:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 325.07 Mbit/s
95th percentile per-packet one-way delay: 7.264 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 202.64 Mbit/s
95th percentile per-packet one-way delay: 6.691 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 148.13 Mbit/s
95th percentile per-packet one-way delay: 9.312 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 72.04 Mbit/s
95th percentile per-packet one-way delay: 3.777 ms
Loss rate: 0.28%
```

Run 6: Report of Verus — Data Link

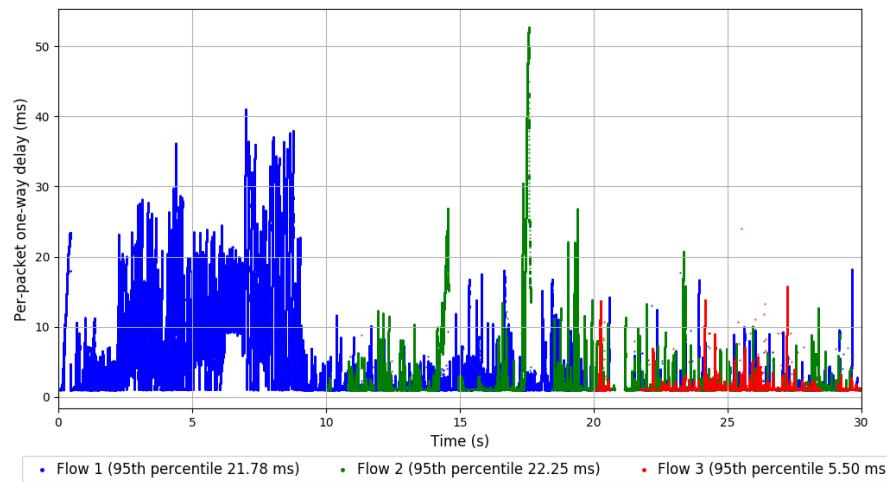
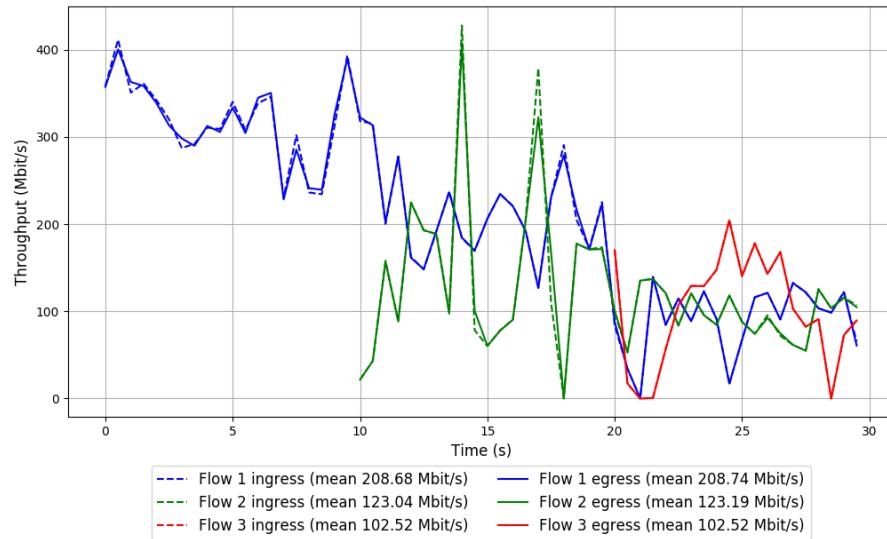


Run 7: Statistics of Verus

```
Start at: 2018-04-24 19:47:35
End at: 2018-04-24 19:48:05
Local clock offset: 1.081 ms
Remote clock offset: -5.575 ms

# Below is generated by plot.py at 2018-04-25 03:31:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 324.59 Mbit/s
95th percentile per-packet one-way delay: 21.067 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 208.74 Mbit/s
95th percentile per-packet one-way delay: 21.780 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 123.19 Mbit/s
95th percentile per-packet one-way delay: 22.249 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 102.52 Mbit/s
95th percentile per-packet one-way delay: 5.495 ms
Loss rate: 0.00%
```

Run 7: Report of Verus — Data Link

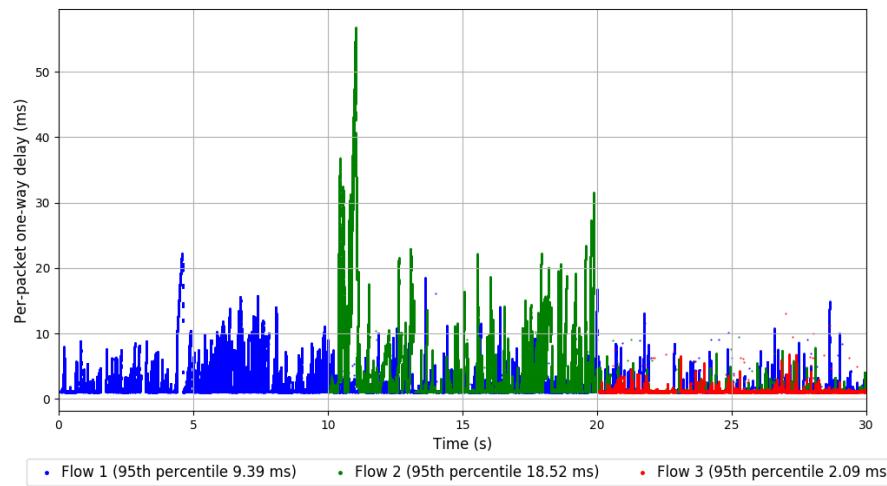
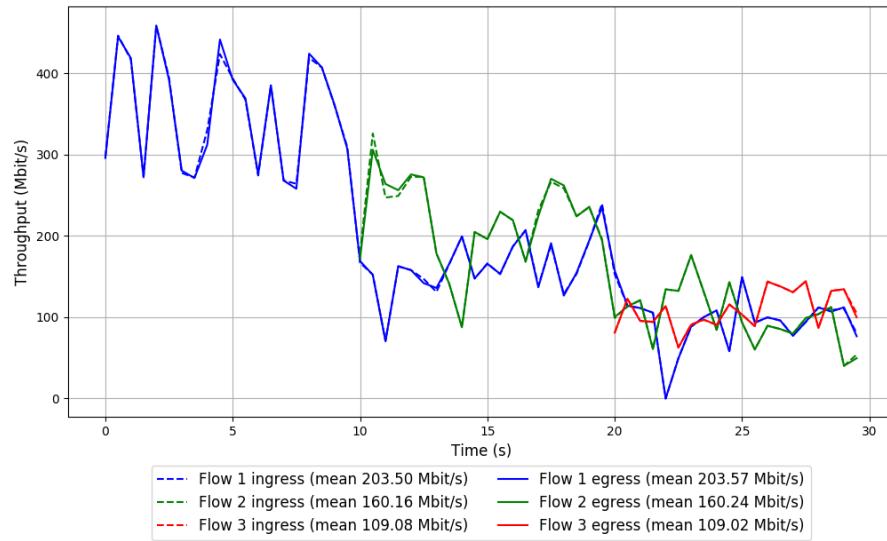


Run 8: Statistics of Verus

```
Start at: 2018-04-24 20:14:06
End at: 2018-04-24 20:14:36
Local clock offset: 0.464 ms
Remote clock offset: -5.165 ms

# Below is generated by plot.py at 2018-04-25 03:31:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 346.37 Mbit/s
95th percentile per-packet one-way delay: 11.660 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 203.57 Mbit/s
95th percentile per-packet one-way delay: 9.387 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 160.24 Mbit/s
95th percentile per-packet one-way delay: 18.522 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 109.02 Mbit/s
95th percentile per-packet one-way delay: 2.091 ms
Loss rate: 0.24%
```

Run 8: Report of Verus — Data Link

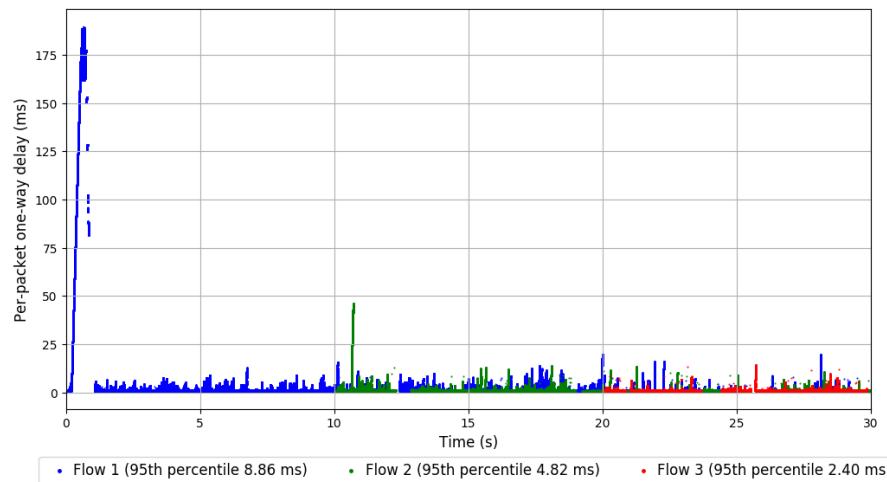
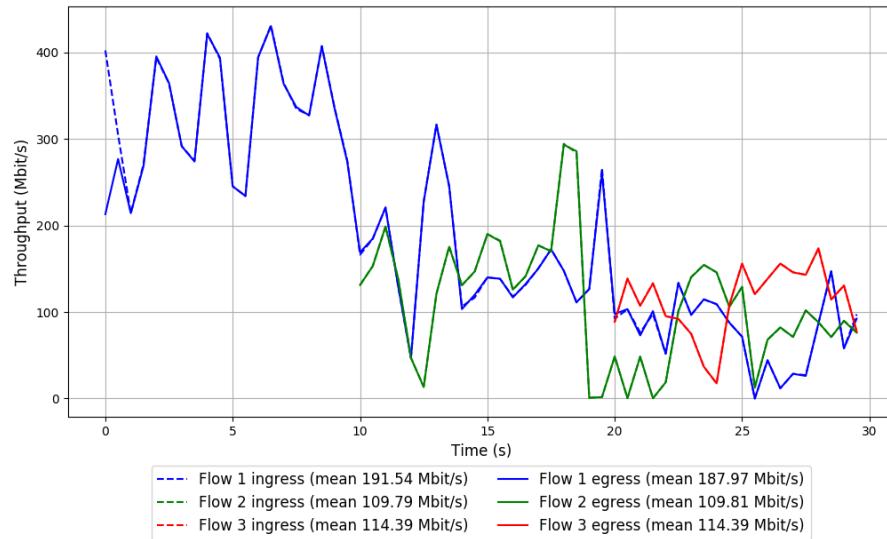


Run 9: Statistics of Verus

```
Start at: 2018-04-24 20:40:37
End at: 2018-04-24 20:41:07
Local clock offset: 0.408 ms
Remote clock offset: -5.2 ms

# Below is generated by plot.py at 2018-04-25 03:32:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 298.58 Mbit/s
95th percentile per-packet one-way delay: 6.613 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 187.97 Mbit/s
95th percentile per-packet one-way delay: 8.860 ms
Loss rate: 1.94%
-- Flow 2:
Average throughput: 109.81 Mbit/s
95th percentile per-packet one-way delay: 4.823 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 114.39 Mbit/s
95th percentile per-packet one-way delay: 2.399 ms
Loss rate: 0.00%
```

Run 9: Report of Verus — Data Link

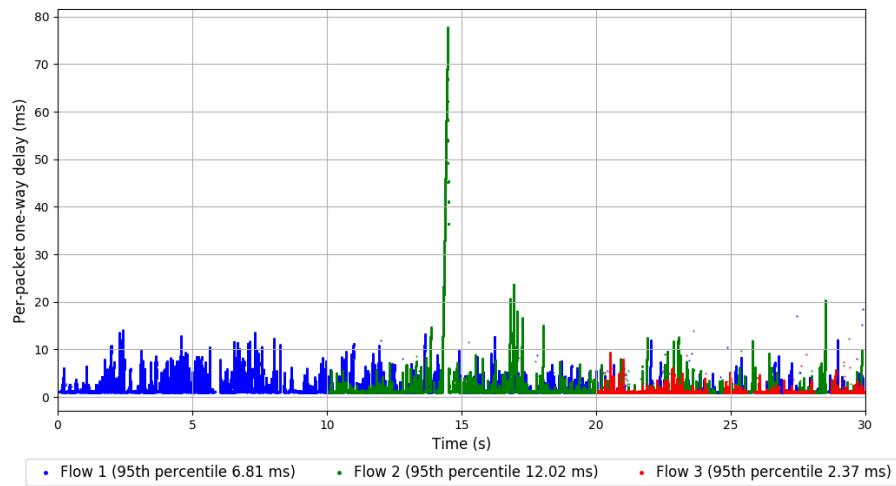
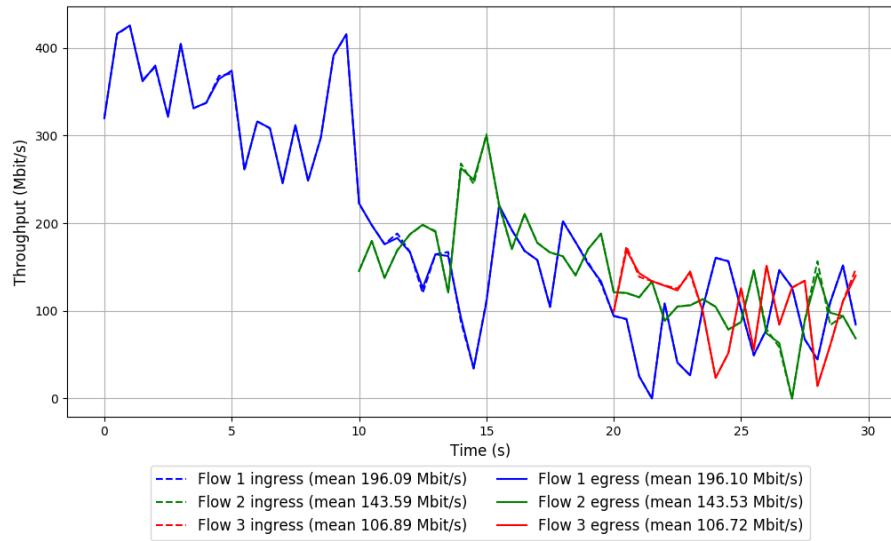


Run 10: Statistics of Verus

```
Start at: 2018-04-24 21:07:11
End at: 2018-04-24 21:07:41
Local clock offset: 0.387 ms
Remote clock offset: -5.389 ms

# Below is generated by plot.py at 2018-04-25 03:33:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 326.63 Mbit/s
95th percentile per-packet one-way delay: 6.995 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 196.10 Mbit/s
95th percentile per-packet one-way delay: 6.813 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 143.53 Mbit/s
95th percentile per-packet one-way delay: 12.023 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 106.72 Mbit/s
95th percentile per-packet one-way delay: 2.365 ms
Loss rate: 0.35%
```

Run 10: Report of Verus — Data Link

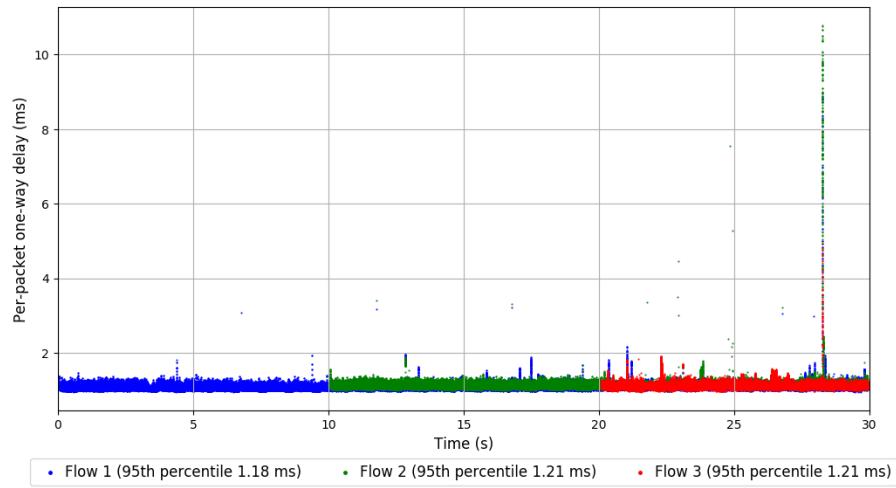
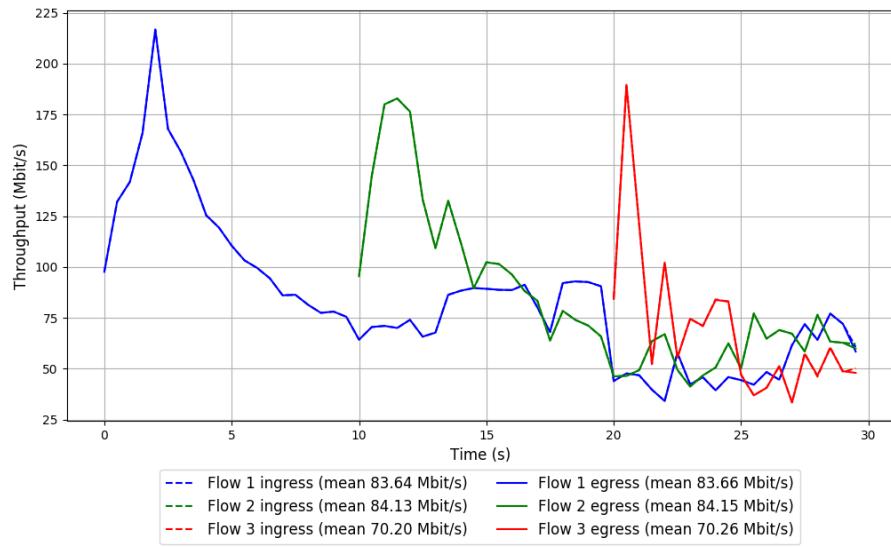


Run 1: Statistics of Copa

```
Start at: 2018-04-24 17:16:00
End at: 2018-04-24 17:16:30
Local clock offset: 0.423 ms
Remote clock offset: -4.768 ms

# Below is generated by plot.py at 2018-04-25 03:33:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 162.82 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 83.66 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 70.26 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.17%
```

Run 1: Report of Copa — Data Link

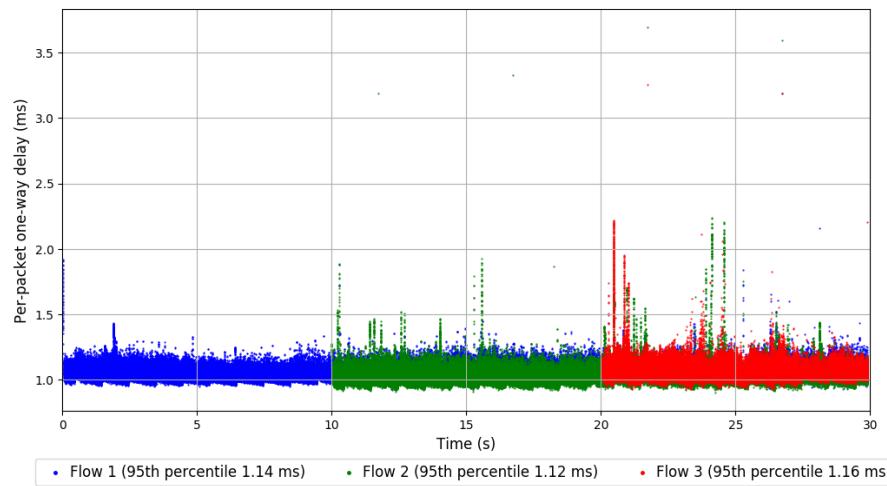
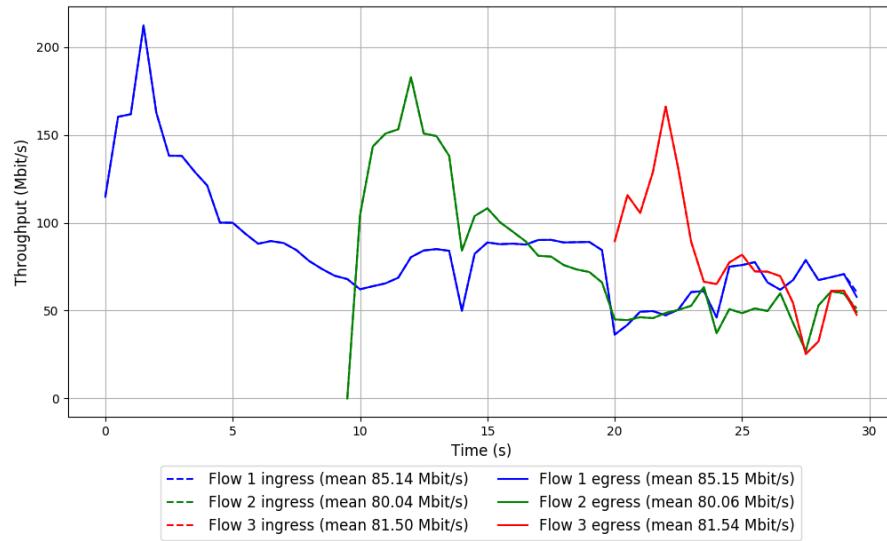


Run 2: Statistics of Copa

```
Start at: 2018-04-24 17:42:38
End at: 2018-04-24 17:43:08
Local clock offset: 0.201 ms
Remote clock offset: -6.078 ms

# Below is generated by plot.py at 2018-04-25 03:34:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 165.44 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 85.15 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 80.06 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 81.54 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.14%
```

Run 2: Report of Copa — Data Link

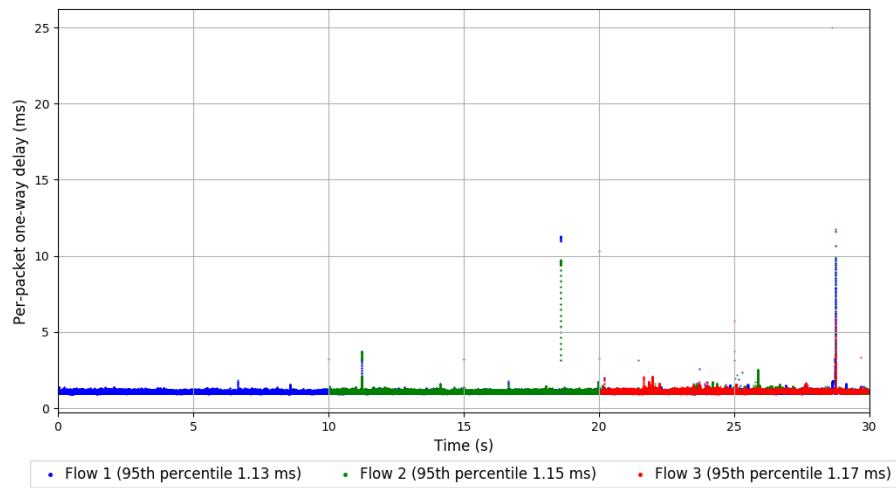
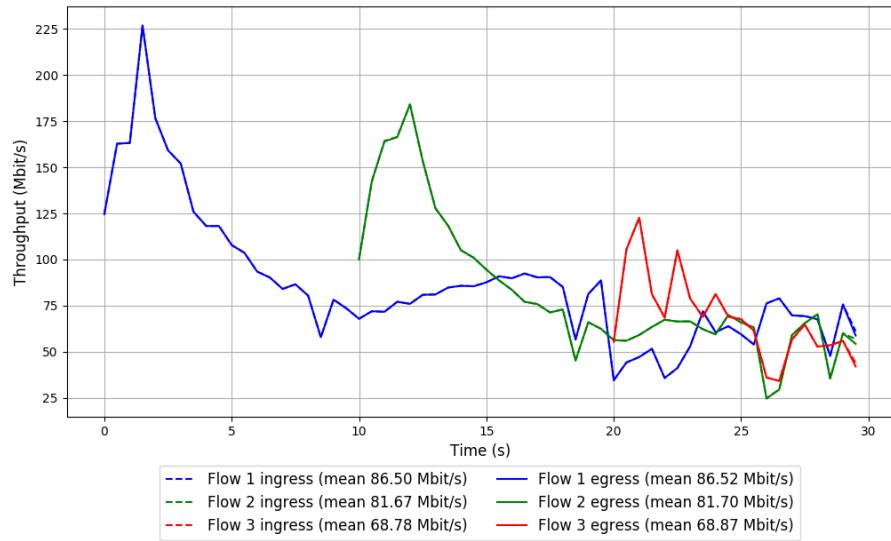


Run 3: Statistics of Copa

```
Start at: 2018-04-24 18:09:13
End at: 2018-04-24 18:09:43
Local clock offset: -0.86 ms
Remote clock offset: -5.345 ms

# Below is generated by plot.py at 2018-04-25 03:35:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 163.62 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 86.52 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 81.70 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 68.87 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.15%
```

Run 3: Report of Copa — Data Link

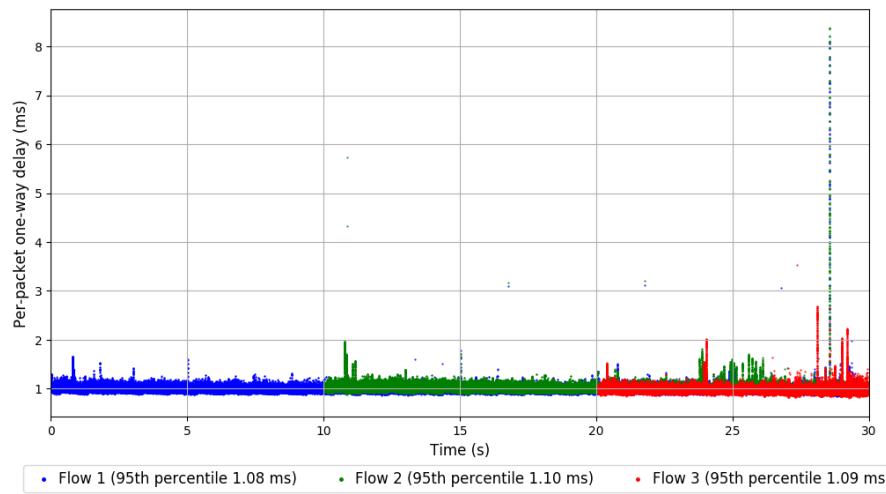
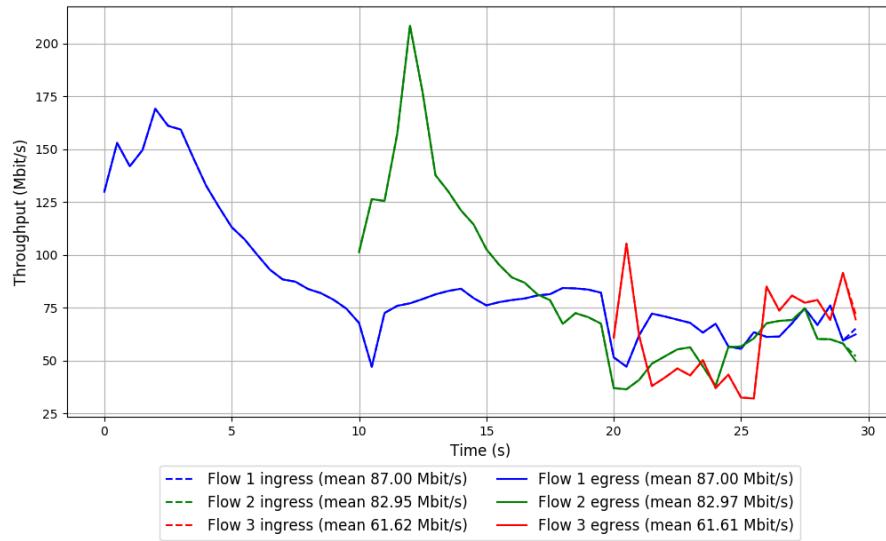


Run 4: Statistics of Copa

```
Start at: 2018-04-24 18:35:41
End at: 2018-04-24 18:36:11
Local clock offset: -1.747 ms
Remote clock offset: -5.771 ms

# Below is generated by plot.py at 2018-04-25 03:35:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 162.59 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 87.00 Mbit/s
95th percentile per-packet one-way delay: 1.076 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 82.97 Mbit/s
95th percentile per-packet one-way delay: 1.104 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.21%
```

Run 4: Report of Copa — Data Link

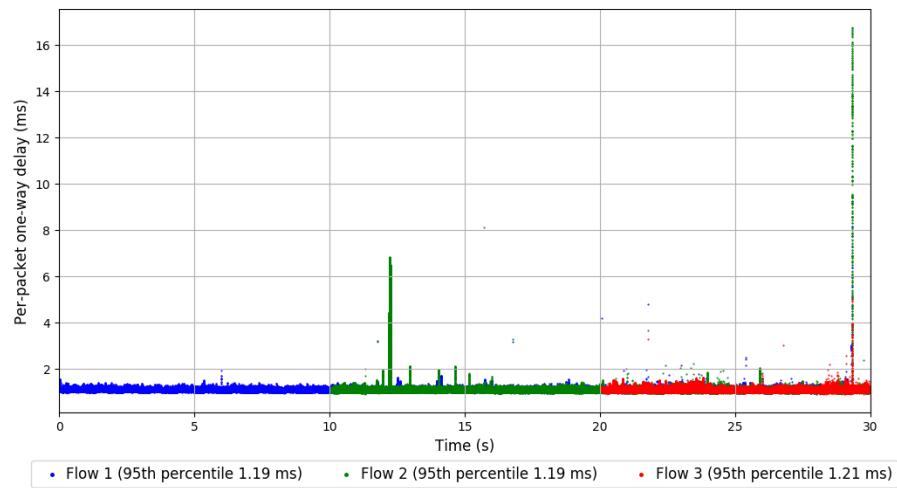
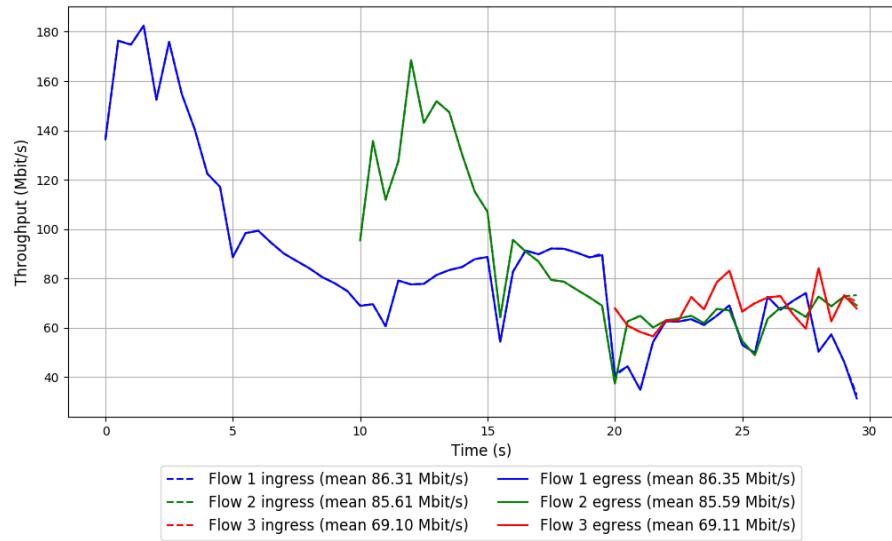


Run 5: Statistics of Copa

```
Start at: 2018-04-24 19:02:16
End at: 2018-04-24 19:02:46
Local clock offset: 0.382 ms
Remote clock offset: -6.507 ms

# Below is generated by plot.py at 2018-04-25 03:36:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 166.10 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 86.35 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 85.59 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 69.11 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.21%
```

Run 5: Report of Copa — Data Link

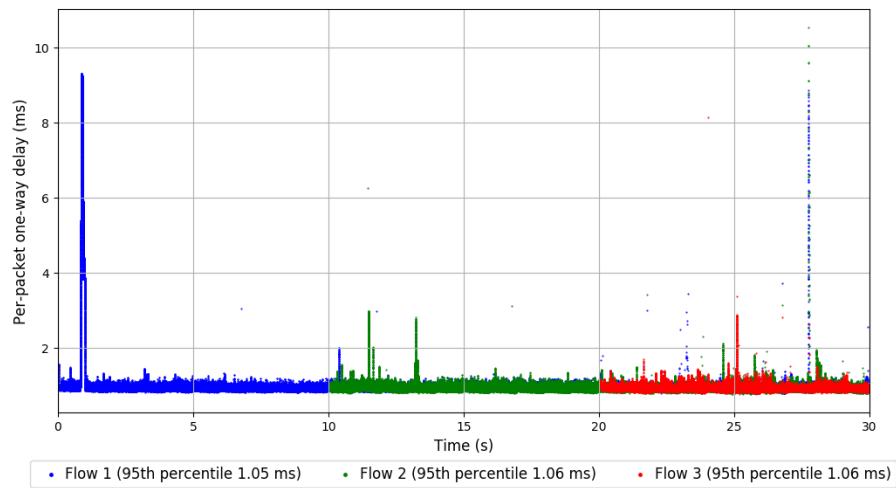
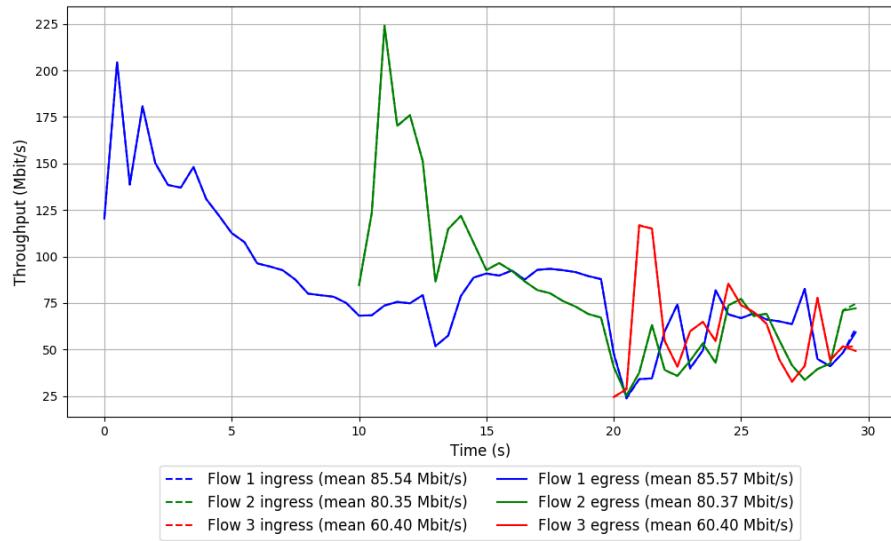


Run 6: Statistics of Copa

```
Start at: 2018-04-24 19:28:57
End at: 2018-04-24 19:29:27
Local clock offset: 0.654 ms
Remote clock offset: -6.031 ms

# Below is generated by plot.py at 2018-04-25 03:36:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 158.99 Mbit/s
95th percentile per-packet one-way delay: 1.053 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 85.57 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 80.37 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 60.40 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.21%
```

Run 6: Report of Copa — Data Link

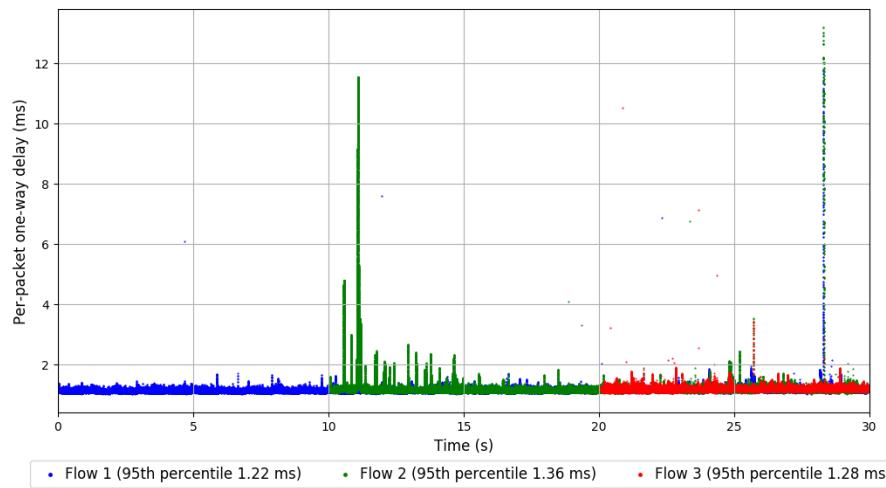
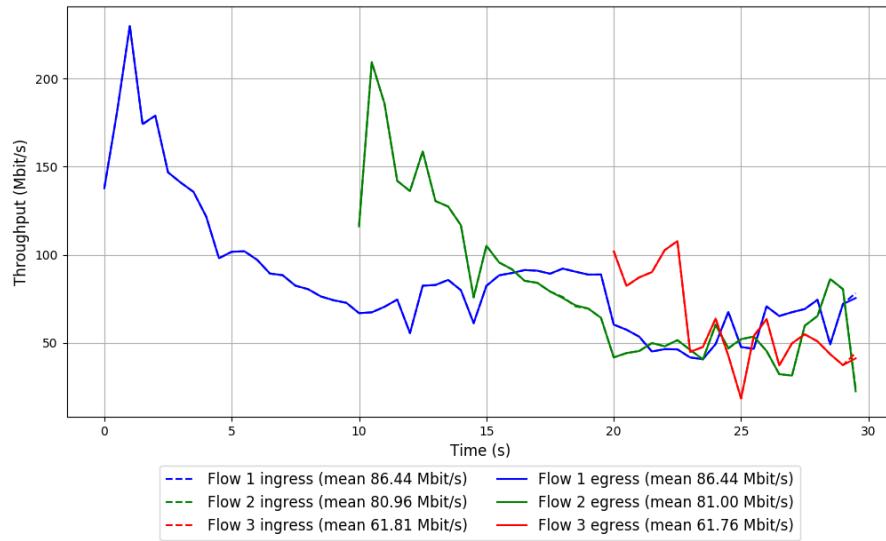


Run 7: Statistics of Copa

```
Start at: 2018-04-24 19:55:35
End at: 2018-04-24 19:56:05
Local clock offset: 0.877 ms
Remote clock offset: -5.394 ms

# Below is generated by plot.py at 2018-04-25 03:37:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 160.69 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 86.44 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 81.00 Mbit/s
95th percentile per-packet one-way delay: 1.357 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 61.76 Mbit/s
95th percentile per-packet one-way delay: 1.277 ms
Loss rate: 0.25%
```

Run 7: Report of Copa — Data Link

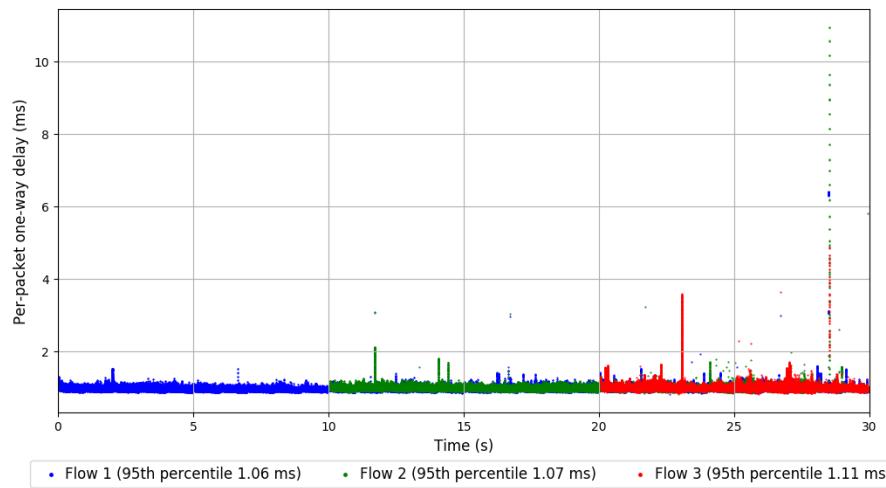
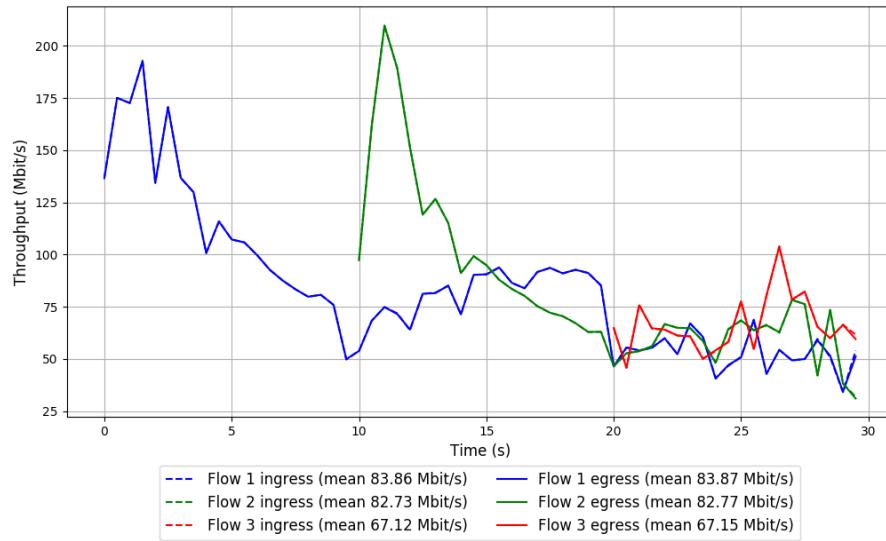


Run 8: Statistics of Copa

```
Start at: 2018-04-24 20:22:05
End at: 2018-04-24 20:22:35
Local clock offset: 0.348 ms
Remote clock offset: -5.239 ms

# Below is generated by plot.py at 2018-04-25 03:38:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 161.07 Mbit/s
95th percentile per-packet one-way delay: 1.072 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 83.87 Mbit/s
95th percentile per-packet one-way delay: 1.060 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 67.15 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.17%
```

Run 8: Report of Copa — Data Link

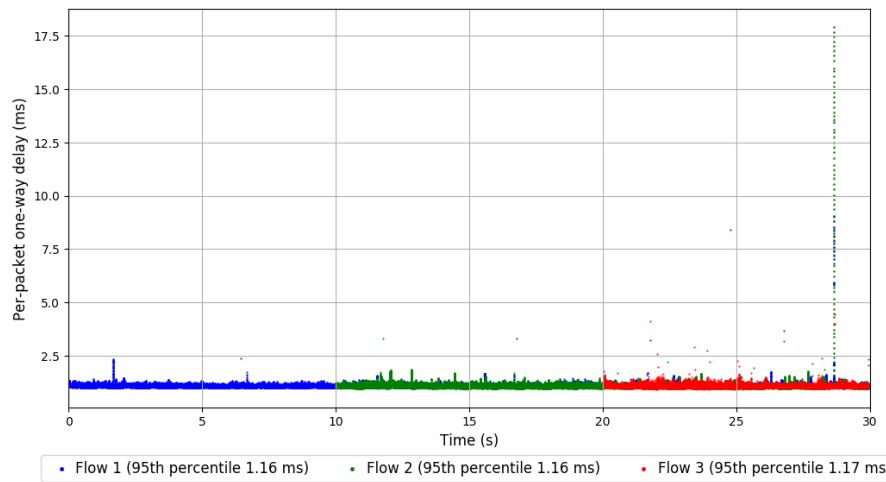
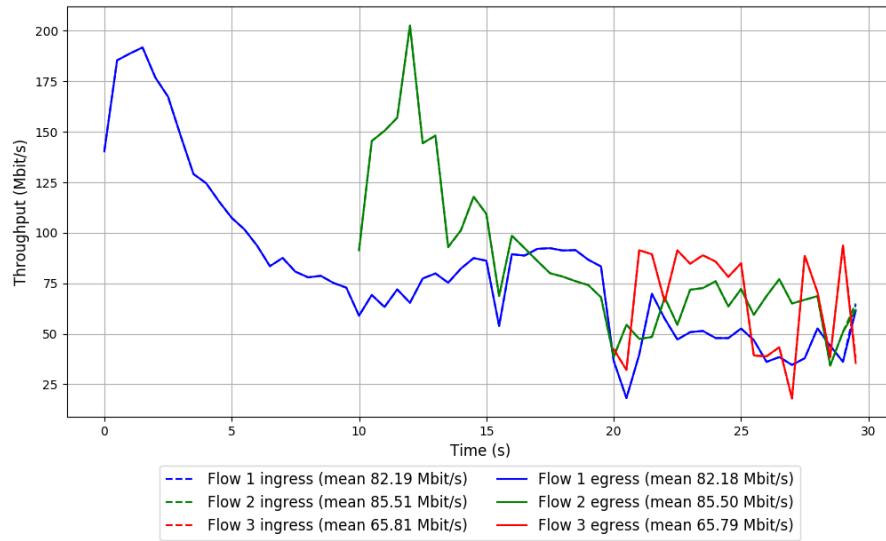


Run 9: Statistics of Copa

```
Start at: 2018-04-24 20:48:34
End at: 2018-04-24 20:49:04
Local clock offset: 0.527 ms
Remote clock offset: -5.263 ms

# Below is generated by plot.py at 2018-04-25 03:38:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 160.75 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 82.18 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 85.50 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 65.79 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.21%
```

Run 9: Report of Copa — Data Link

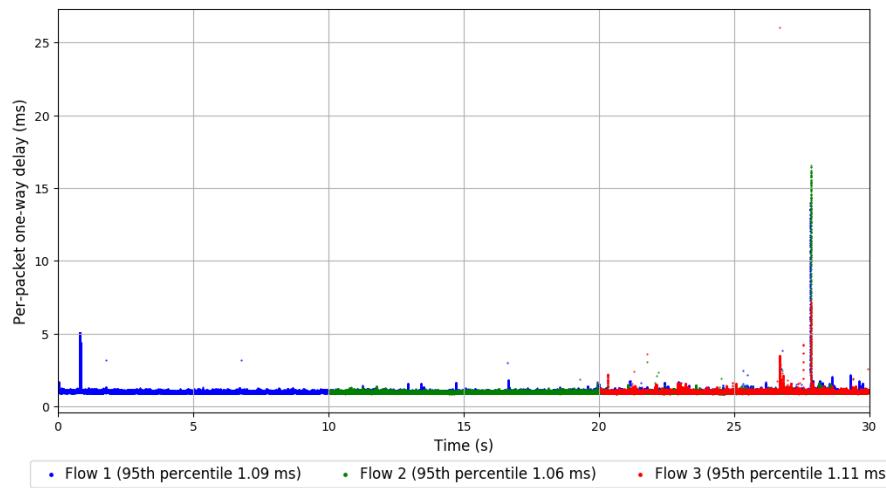
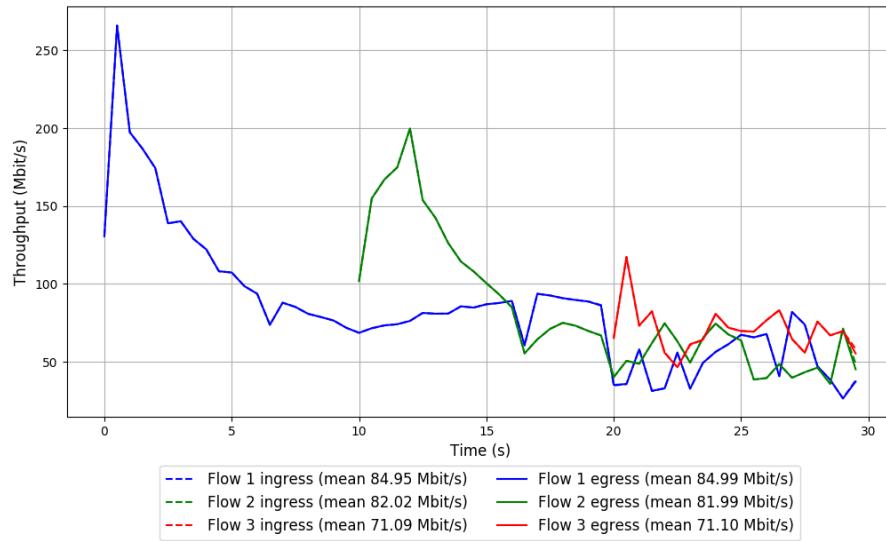


Run 10: Statistics of Copa

```
Start at: 2018-04-24 21:15:12
End at: 2018-04-24 21:15:42
Local clock offset: 0.396 ms
Remote clock offset: -5.289 ms

# Below is generated by plot.py at 2018-04-25 03:39:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 163.04 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 84.99 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 81.99 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 71.10 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.21%
```

Run 10: Report of Copa — Data Link

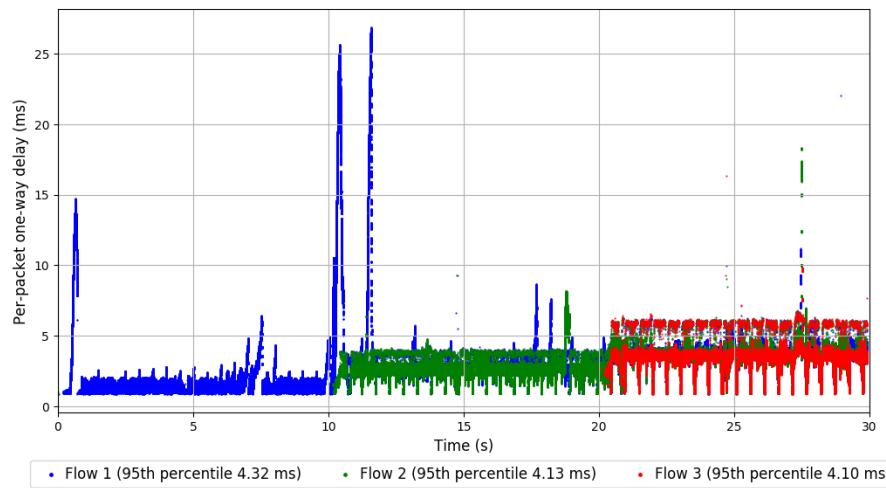
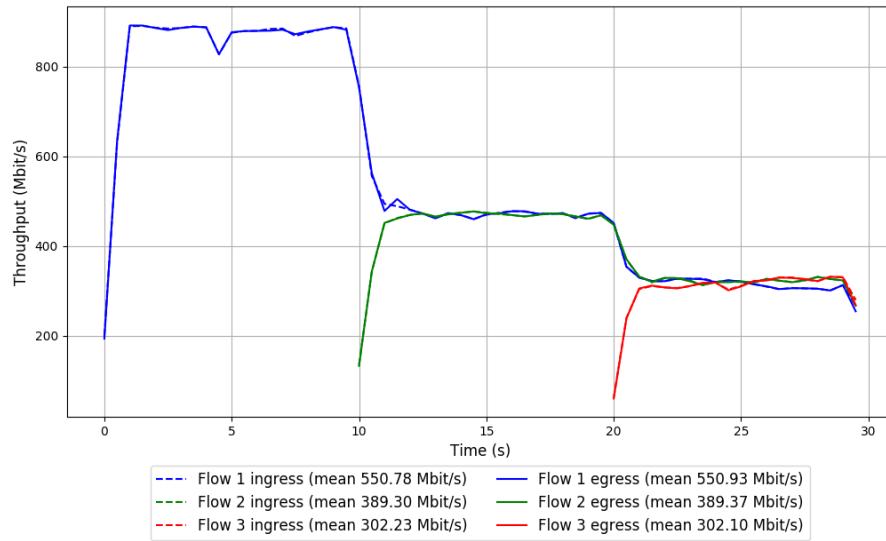


Run 1: Statistics of FillP

```
Start at: 2018-04-24 16:58:48
End at: 2018-04-24 16:59:18
Local clock offset: 0.187 ms
Remote clock offset: -5.152 ms

# Below is generated by plot.py at 2018-04-25 03:50:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 909.77 Mbit/s
95th percentile per-packet one-way delay: 4.200 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 550.93 Mbit/s
95th percentile per-packet one-way delay: 4.318 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 389.37 Mbit/s
95th percentile per-packet one-way delay: 4.130 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 302.10 Mbit/s
95th percentile per-packet one-way delay: 4.097 ms
Loss rate: 0.24%
```

Run 1: Report of FillP — Data Link

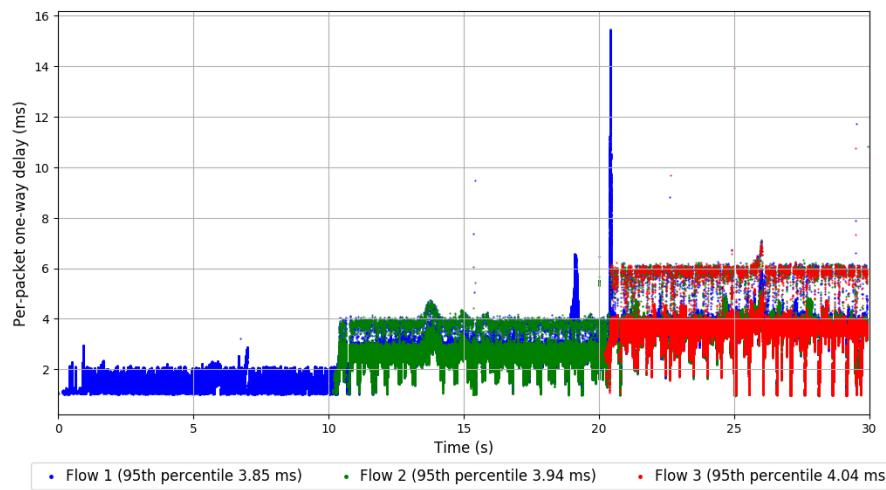
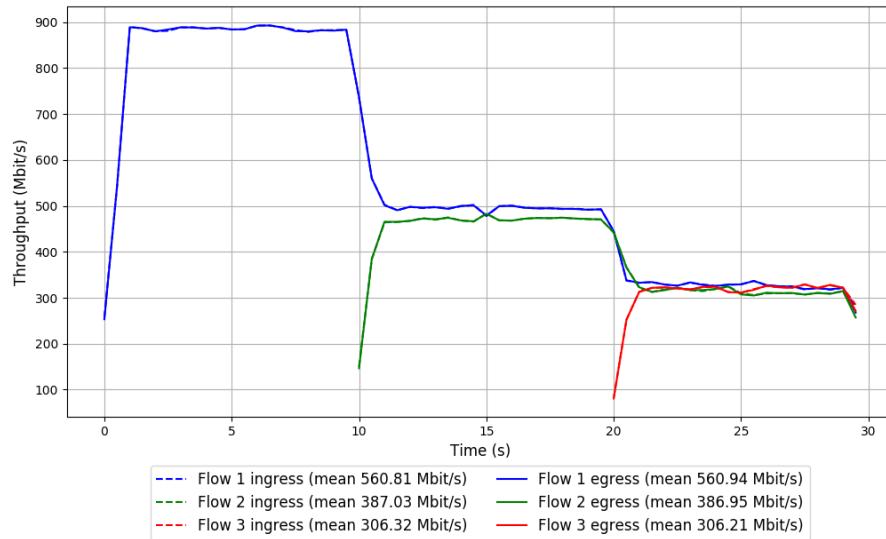


Run 2: Statistics of FillP

```
Start at: 2018-04-24 17:25:27
End at: 2018-04-24 17:25:57
Local clock offset: 0.477 ms
Remote clock offset: -5.396 ms

# Below is generated by plot.py at 2018-04-25 03:50:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 919.56 Mbit/s
95th percentile per-packet one-way delay: 3.913 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 560.94 Mbit/s
95th percentile per-packet one-way delay: 3.855 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 386.95 Mbit/s
95th percentile per-packet one-way delay: 3.941 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 306.21 Mbit/s
95th percentile per-packet one-way delay: 4.037 ms
Loss rate: 0.24%
```

Run 2: Report of FillP — Data Link

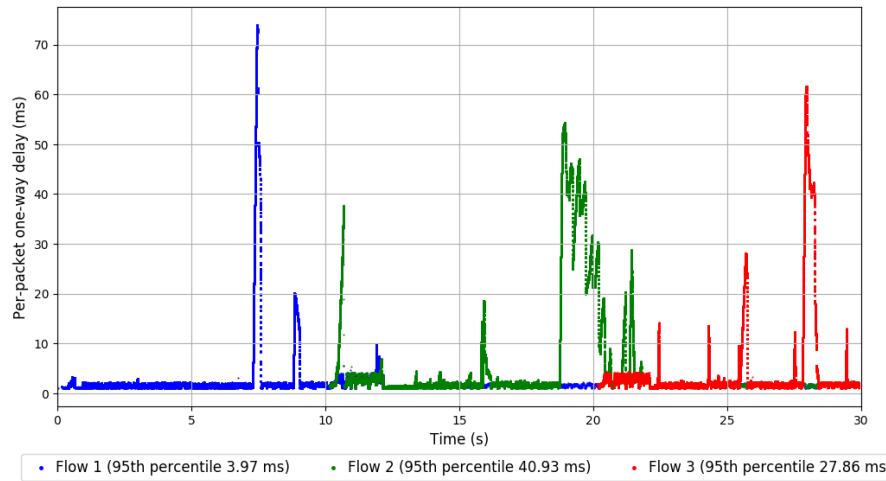
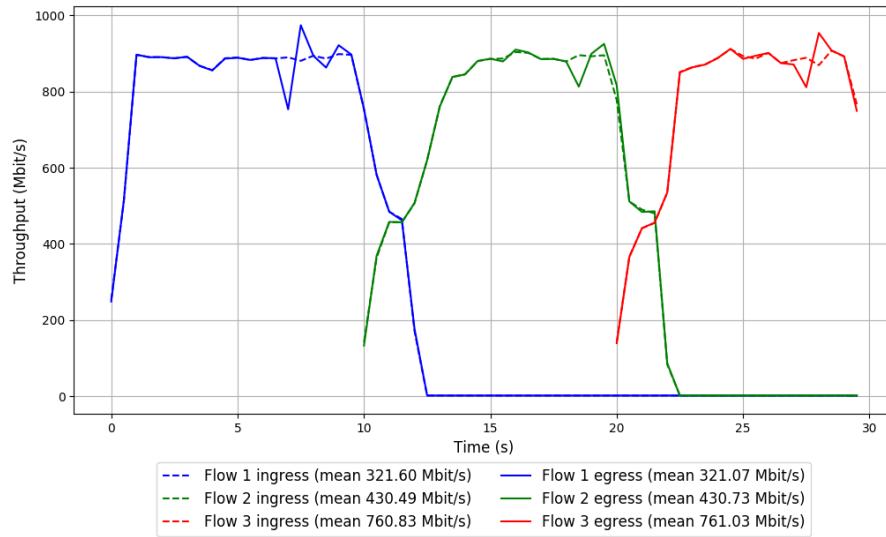


Run 3: Statistics of FillP

```
Start at: 2018-04-24 17:52:08
End at: 2018-04-24 17:52:38
Local clock offset: -0.135 ms
Remote clock offset: -6.224 ms

# Below is generated by plot.py at 2018-04-25 03:50:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 859.31 Mbit/s
95th percentile per-packet one-way delay: 33.792 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 321.07 Mbit/s
95th percentile per-packet one-way delay: 3.974 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 430.73 Mbit/s
95th percentile per-packet one-way delay: 40.928 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 761.03 Mbit/s
95th percentile per-packet one-way delay: 27.864 ms
Loss rate: 0.16%
```

Run 3: Report of FillP — Data Link

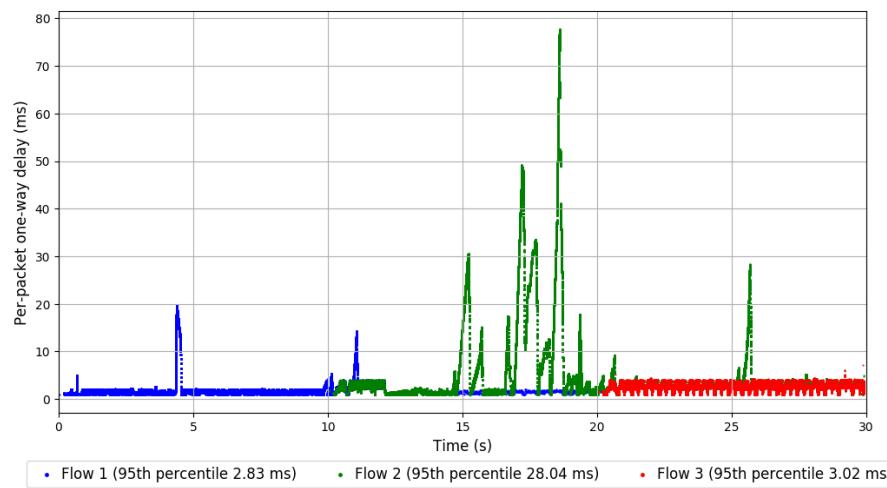
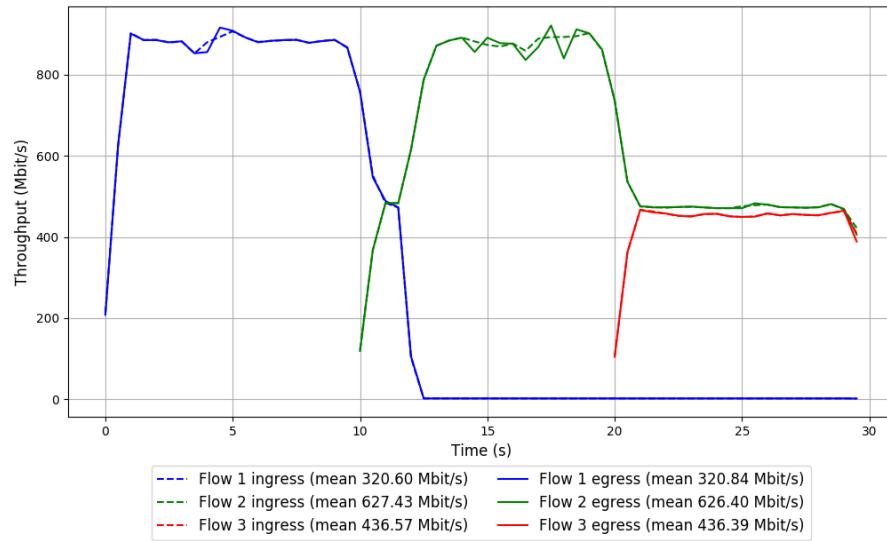


Run 4: Statistics of FillP

```
Start at: 2018-04-24 18:18:42
End at: 2018-04-24 18:19:12
Local clock offset: -1.19 ms
Remote clock offset: -5.111 ms

# Below is generated by plot.py at 2018-04-25 03:50:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 880.76 Mbit/s
95th percentile per-packet one-way delay: 16.423 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 320.84 Mbit/s
95th percentile per-packet one-way delay: 2.828 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 626.40 Mbit/s
95th percentile per-packet one-way delay: 28.038 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 436.39 Mbit/s
95th percentile per-packet one-way delay: 3.015 ms
Loss rate: 0.25%
```

Run 4: Report of FillP — Data Link

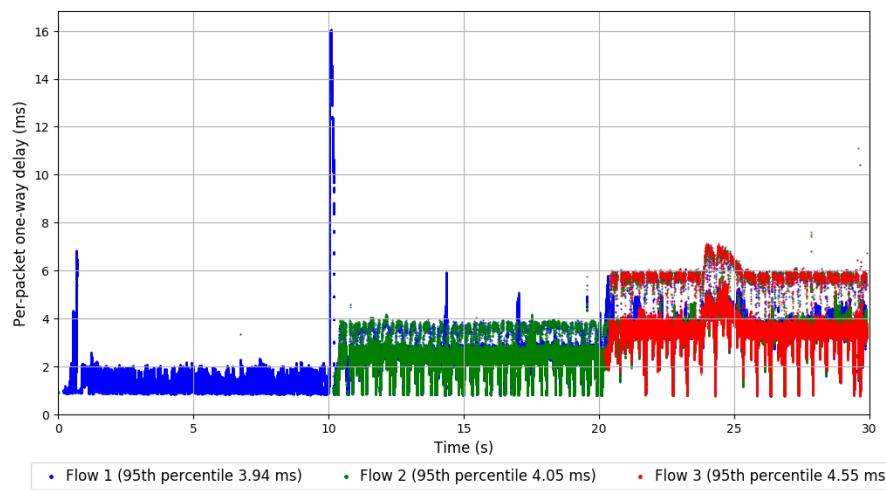
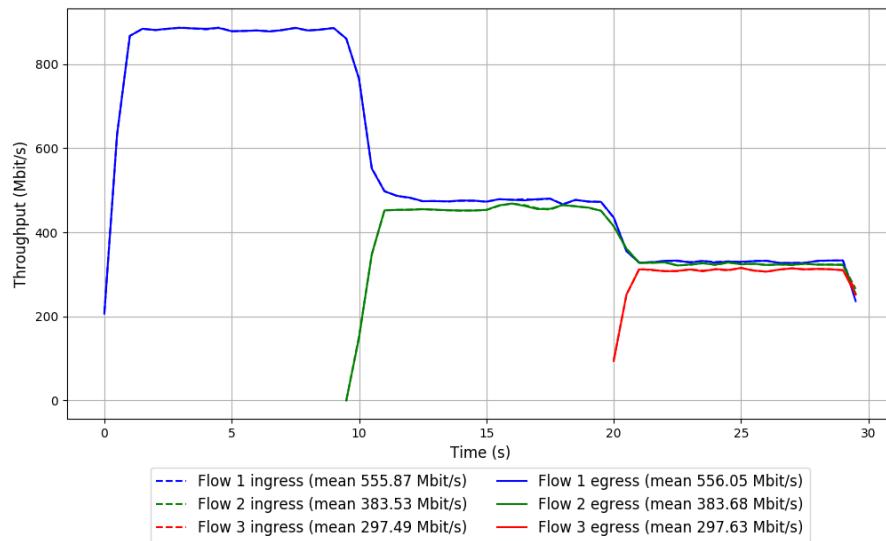


Run 5: Statistics of FillP

```
Start at: 2018-04-24 18:45:02
End at: 2018-04-24 18:45:32
Local clock offset: -1.435 ms
Remote clock offset: -6.221 ms

# Below is generated by plot.py at 2018-04-25 03:52:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 909.78 Mbit/s
95th percentile per-packet one-way delay: 4.113 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 556.05 Mbit/s
95th percentile per-packet one-way delay: 3.945 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 383.68 Mbit/s
95th percentile per-packet one-way delay: 4.047 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 297.63 Mbit/s
95th percentile per-packet one-way delay: 4.549 ms
Loss rate: 0.25%
```

Run 5: Report of FillP — Data Link

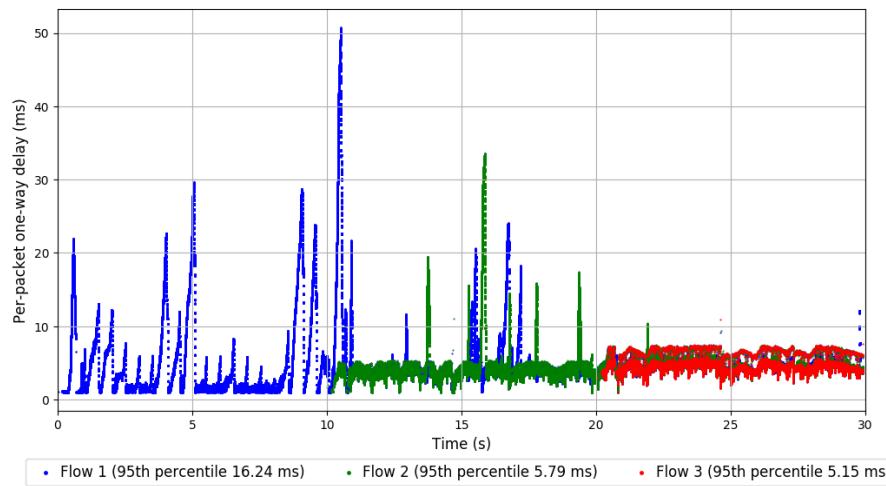
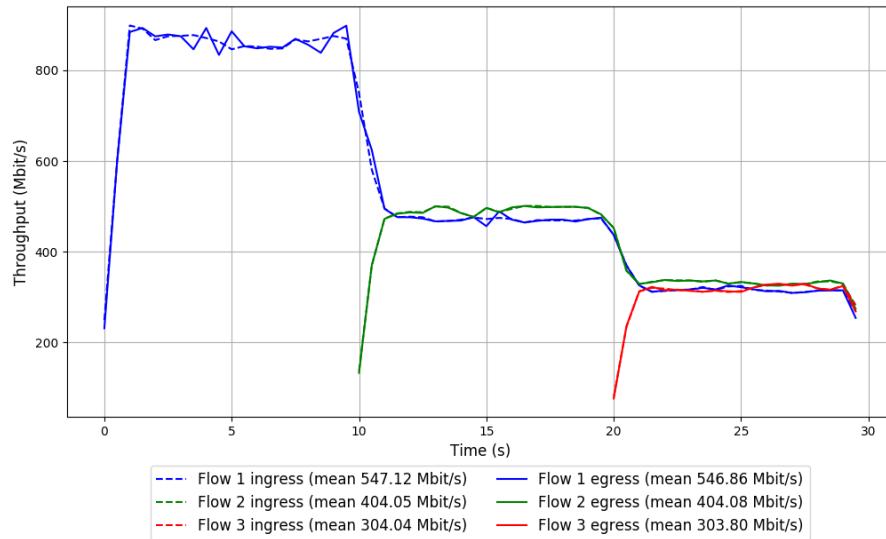


Run 6: Statistics of FillP

```
Start at: 2018-04-24 19:11:46
End at: 2018-04-24 19:12:16
Local clock offset: 0.734 ms
Remote clock offset: -6.227 ms

# Below is generated by plot.py at 2018-04-25 03:52:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 916.05 Mbit/s
95th percentile per-packet one-way delay: 12.636 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 546.86 Mbit/s
95th percentile per-packet one-way delay: 16.238 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 404.08 Mbit/s
95th percentile per-packet one-way delay: 5.789 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 303.80 Mbit/s
95th percentile per-packet one-way delay: 5.146 ms
Loss rate: 0.30%
```

Run 6: Report of FillP — Data Link

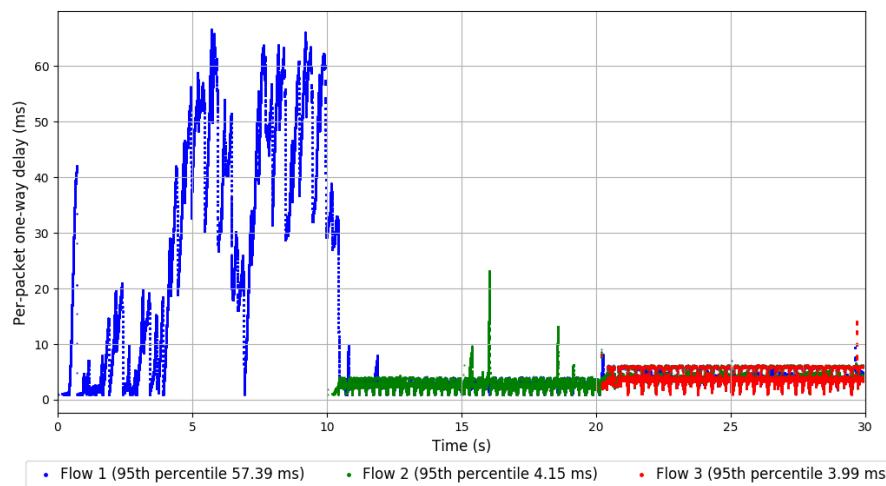
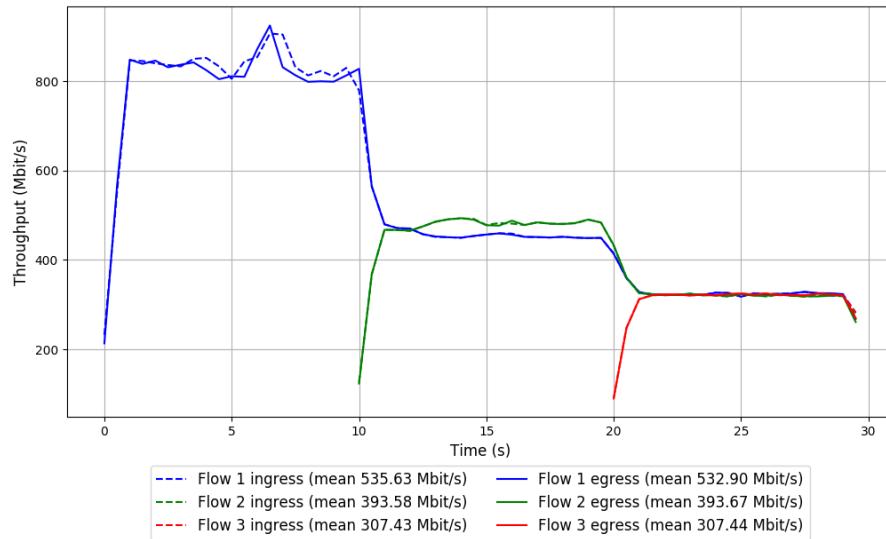


Run 7: Statistics of FillP

```
Start at: 2018-04-24 19:38:25
End at: 2018-04-24 19:38:55
Local clock offset: 0.806 ms
Remote clock offset: -5.934 ms

# Below is generated by plot.py at 2018-04-25 03:52:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 896.28 Mbit/s
95th percentile per-packet one-way delay: 52.966 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 532.90 Mbit/s
95th percentile per-packet one-way delay: 57.394 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 393.67 Mbit/s
95th percentile per-packet one-way delay: 4.147 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 307.44 Mbit/s
95th percentile per-packet one-way delay: 3.986 ms
Loss rate: 0.24%
```

Run 7: Report of FillP — Data Link

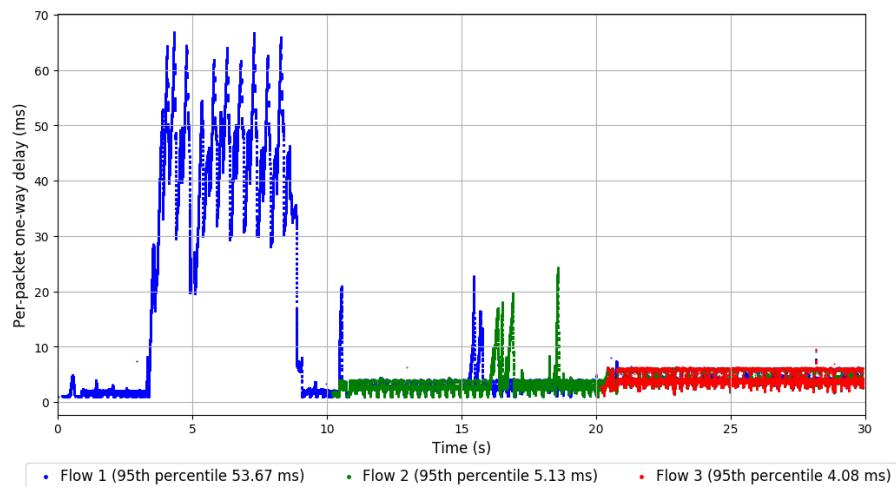
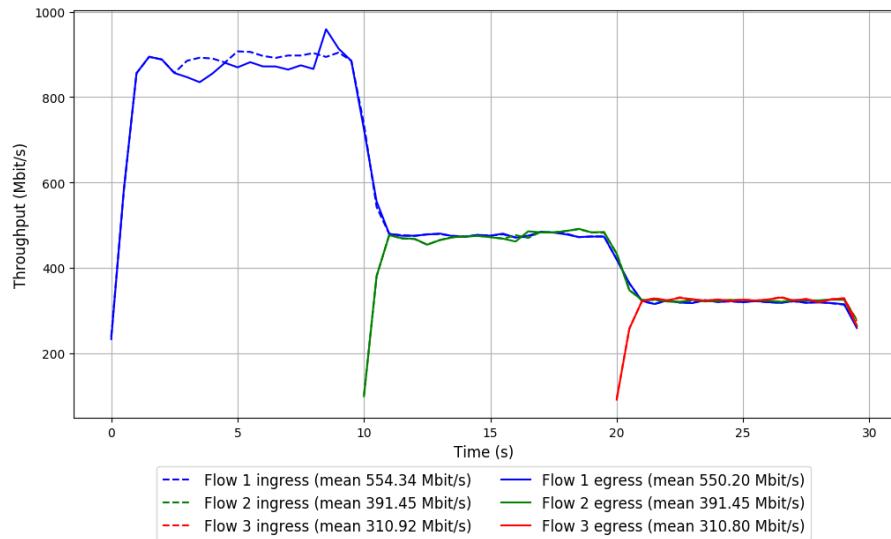


Run 8: Statistics of FillP

```
Start at: 2018-04-24 20:04:57
End at: 2018-04-24 20:05:27
Local clock offset: 0.533 ms
Remote clock offset: -5.266 ms

# Below is generated by plot.py at 2018-04-25 03:53:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 913.05 Mbit/s
95th percentile per-packet one-way delay: 49.364 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 550.20 Mbit/s
95th percentile per-packet one-way delay: 53.666 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 391.45 Mbit/s
95th percentile per-packet one-way delay: 5.126 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 310.80 Mbit/s
95th percentile per-packet one-way delay: 4.078 ms
Loss rate: 0.23%
```

Run 8: Report of FillP — Data Link

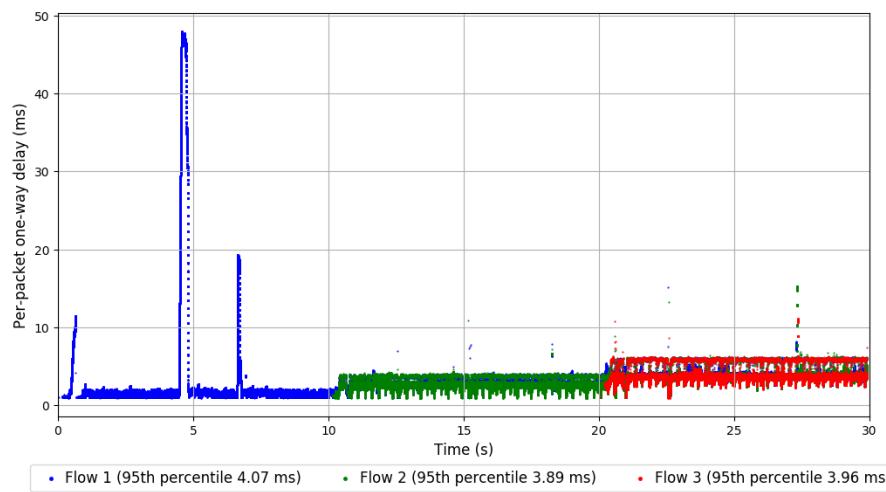
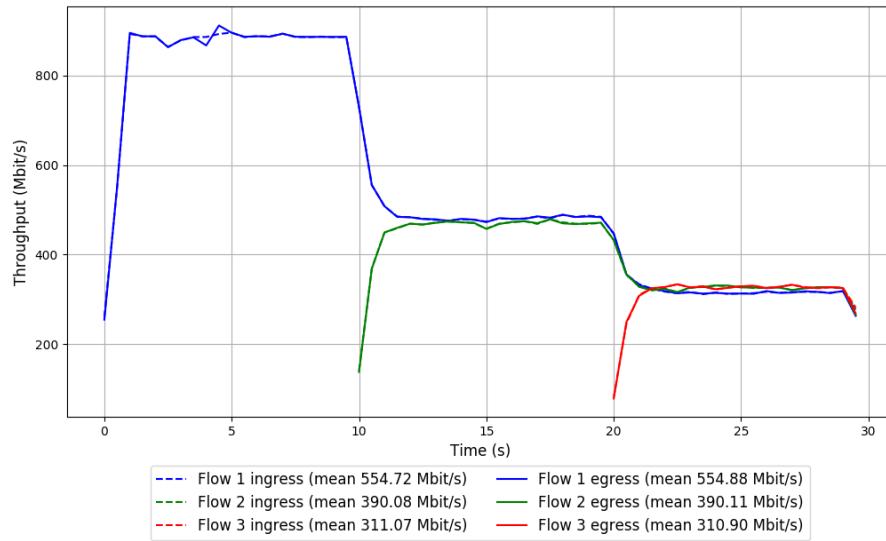


Run 9: Statistics of FillP

```
Start at: 2018-04-24 20:31:27
End at: 2018-04-24 20:31:57
Local clock offset: 0.387 ms
Remote clock offset: -5.239 ms

# Below is generated by plot.py at 2018-04-25 04:04:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 916.92 Mbit/s
95th percentile per-packet one-way delay: 3.968 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 554.88 Mbit/s
95th percentile per-packet one-way delay: 4.071 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 390.11 Mbit/s
95th percentile per-packet one-way delay: 3.894 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 310.90 Mbit/s
95th percentile per-packet one-way delay: 3.961 ms
Loss rate: 0.25%
```

Run 9: Report of FillP — Data Link

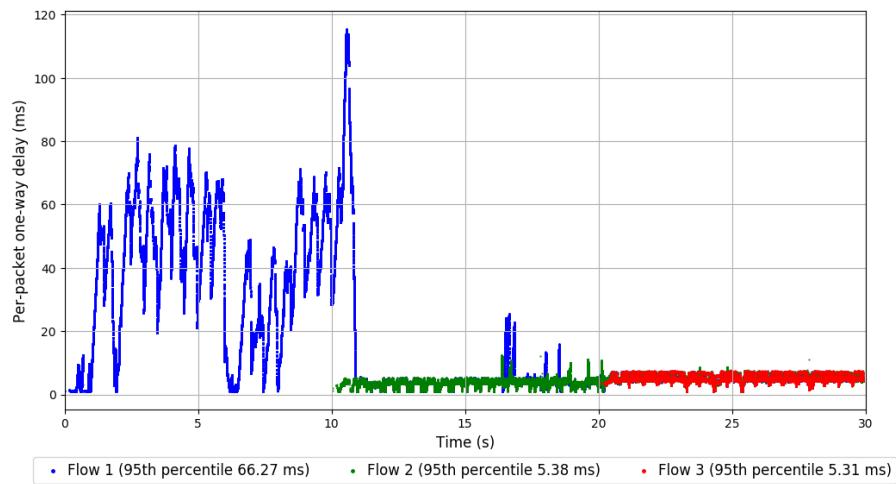
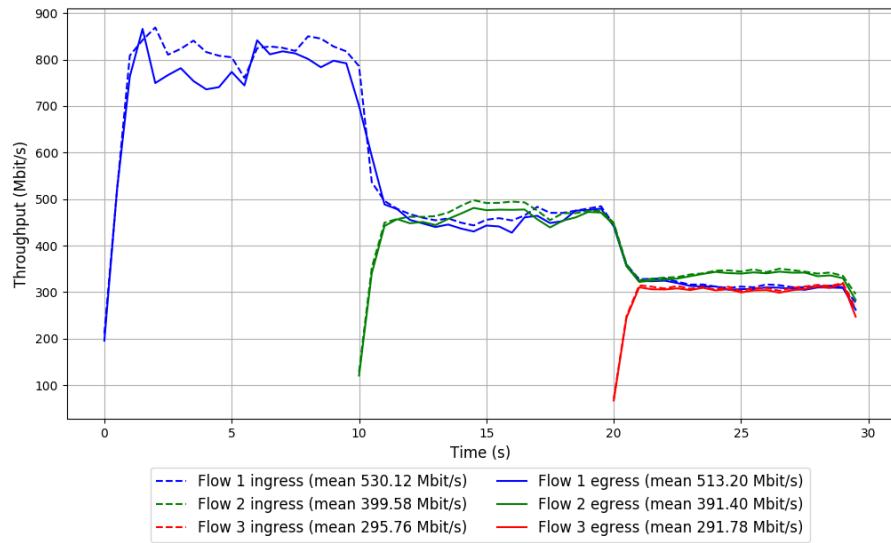


Run 10: Statistics of FillP

```
Start at: 2018-04-24 20:58:01
End at: 2018-04-24 20:58:31
Local clock offset: 0.624 ms
Remote clock offset: -5.356 ms

# Below is generated by plot.py at 2018-04-25 04:04:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 869.70 Mbit/s
95th percentile per-packet one-way delay: 62.549 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 513.20 Mbit/s
95th percentile per-packet one-way delay: 66.270 ms
Loss rate: 3.25%
-- Flow 2:
Average throughput: 391.40 Mbit/s
95th percentile per-packet one-way delay: 5.383 ms
Loss rate: 2.14%
-- Flow 3:
Average throughput: 291.78 Mbit/s
95th percentile per-packet one-way delay: 5.307 ms
Loss rate: 1.52%
```

Run 10: Report of FillP — Data Link

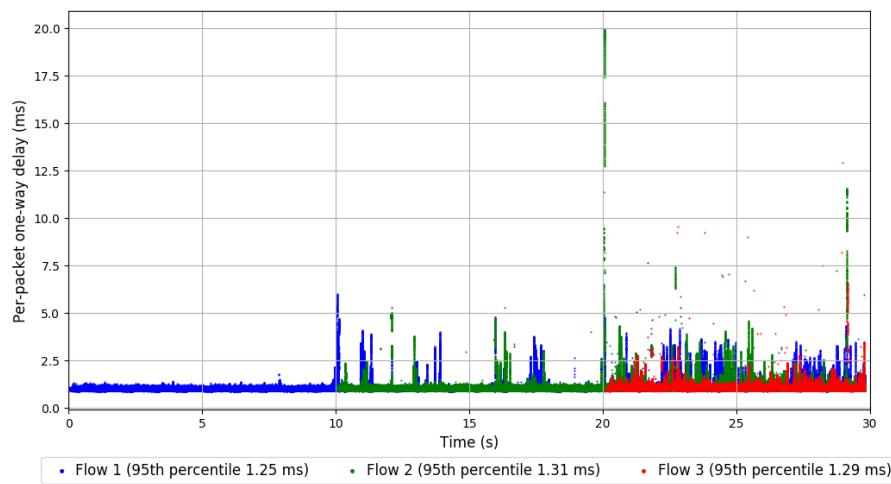
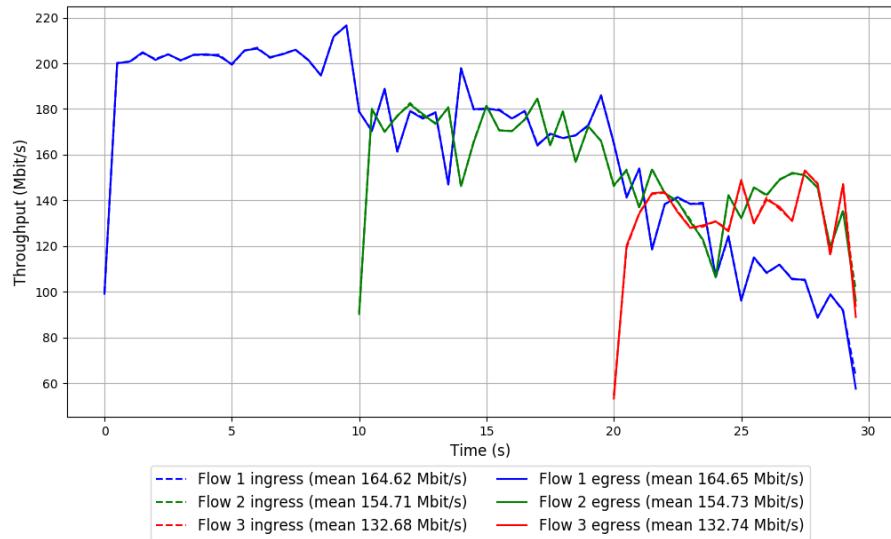


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-04-24 17:03:24
End at: 2018-04-24 17:03:54
Local clock offset: 0.222 ms
Remote clock offset: -5.123 ms

# Below is generated by plot.py at 2018-04-25 04:04:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 310.41 Mbit/s
95th percentile per-packet one-way delay: 1.276 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 164.65 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 154.73 Mbit/s
95th percentile per-packet one-way delay: 1.308 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 132.74 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.17%
```

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

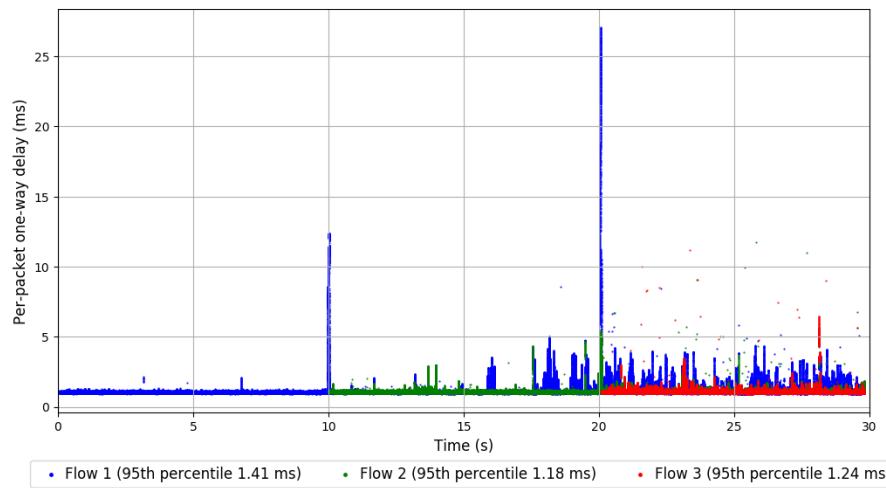
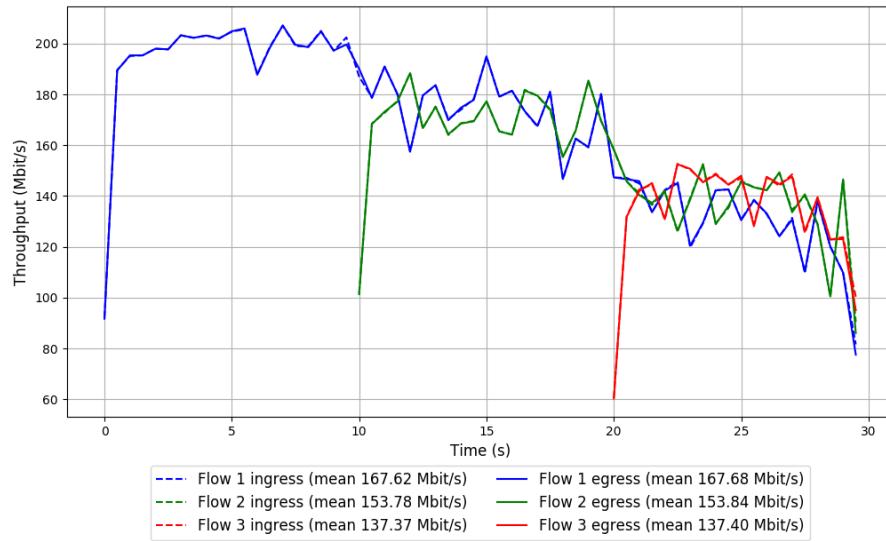


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-04-24 17:30:04
End at: 2018-04-24 17:30:34
Local clock offset: 0.454 ms
Remote clock offset: -5.756 ms

# Below is generated by plot.py at 2018-04-25 04:04:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 314.69 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 167.68 Mbit/s
95th percentile per-packet one-way delay: 1.406 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 153.84 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 137.40 Mbit/s
95th percentile per-packet one-way delay: 1.237 ms
Loss rate: 0.23%
```

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

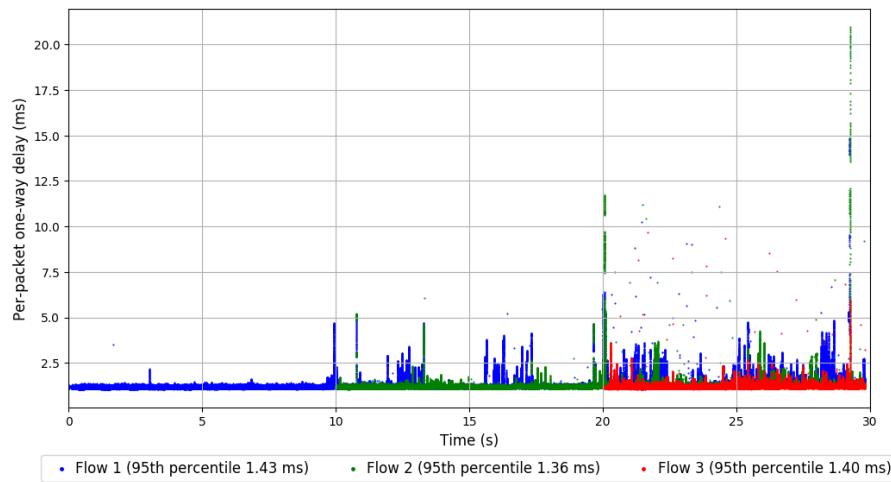
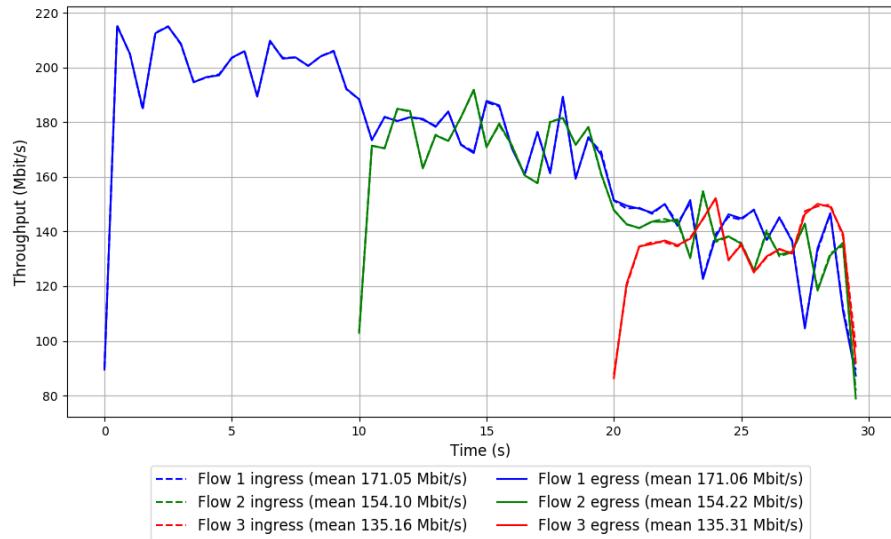


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-04-24 17:56:42
End at: 2018-04-24 17:57:12
Local clock offset: -0.316 ms
Remote clock offset: -5.995 ms

# Below is generated by plot.py at 2018-04-25 04:04:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 317.80 Mbit/s
95th percentile per-packet one-way delay: 1.398 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 171.06 Mbit/s
95th percentile per-packet one-way delay: 1.430 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 154.22 Mbit/s
95th percentile per-packet one-way delay: 1.361 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 135.31 Mbit/s
95th percentile per-packet one-way delay: 1.400 ms
Loss rate: 0.21%
```

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

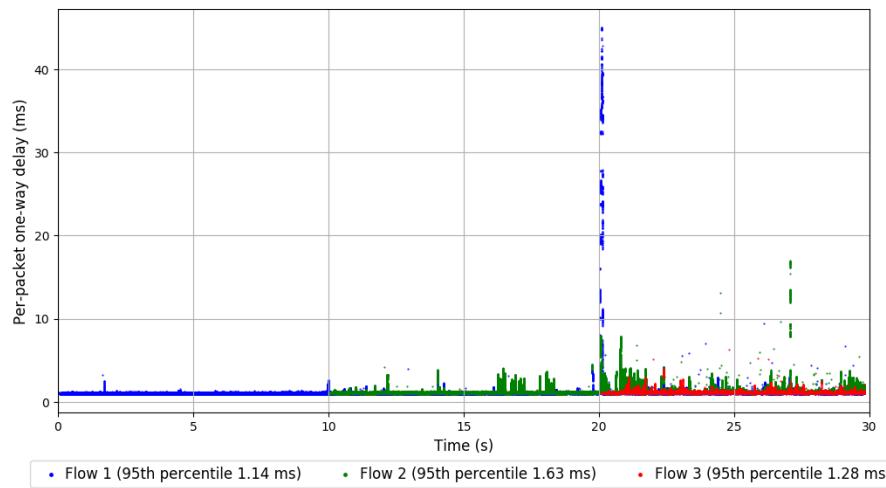
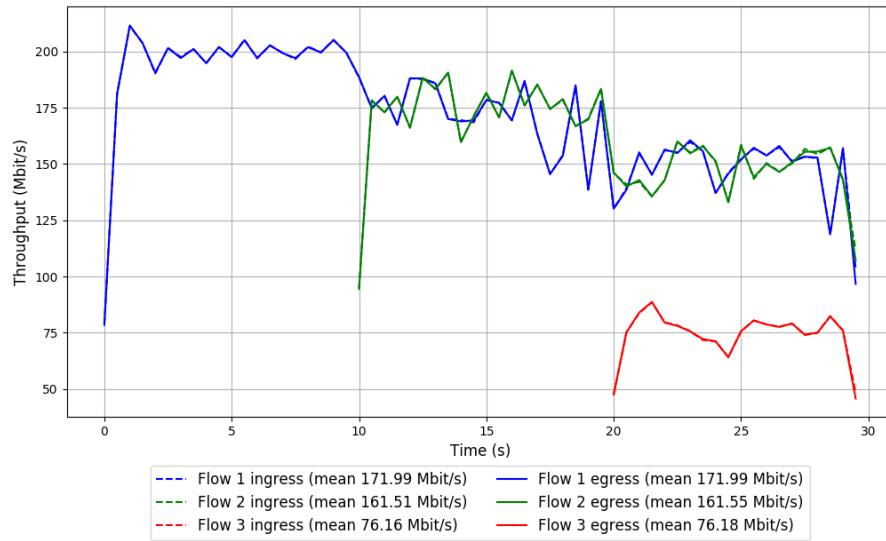


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-04-24 18:23:17
End at: 2018-04-24 18:23:47
Local clock offset: -1.369 ms
Remote clock offset: -5.03 ms

# Below is generated by plot.py at 2018-04-25 04:04:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 304.06 Mbit/s
95th percentile per-packet one-way delay: 1.249 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 171.99 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 161.55 Mbit/s
95th percentile per-packet one-way delay: 1.627 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 76.18 Mbit/s
95th percentile per-packet one-way delay: 1.283 ms
Loss rate: 0.20%
```

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

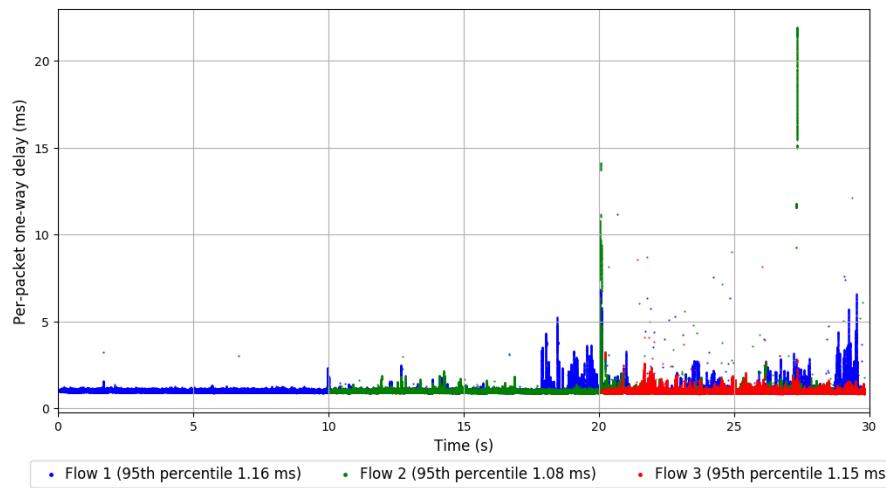
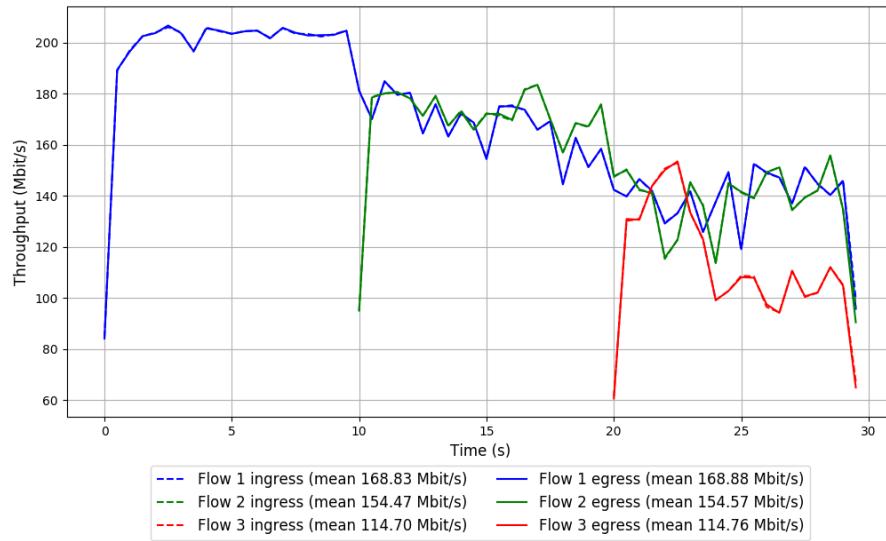


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-04-24 18:49:37
End at: 2018-04-24 18:50:07
Local clock offset: -0.645 ms
Remote clock offset: -6.324 ms

# Below is generated by plot.py at 2018-04-25 04:04:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 308.97 Mbit/s
95th percentile per-packet one-way delay: 1.126 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 168.88 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 154.57 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 114.76 Mbit/s
95th percentile per-packet one-way delay: 1.154 ms
Loss rate: 0.12%
```

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

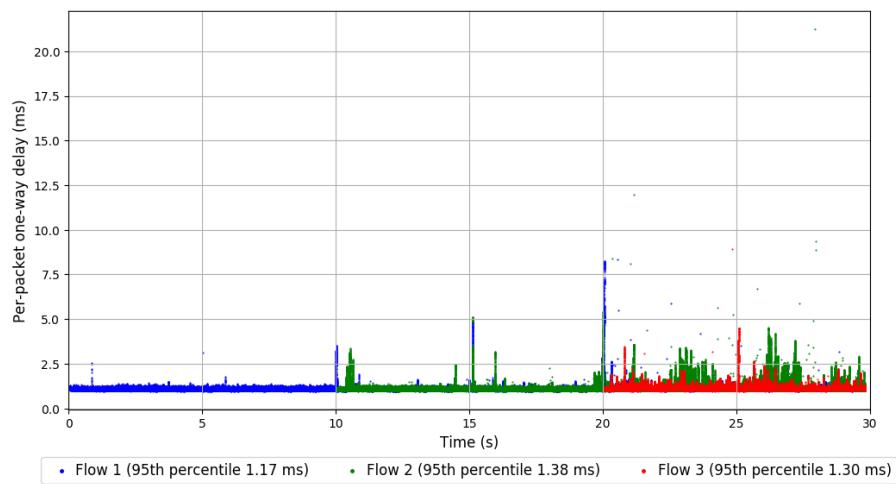
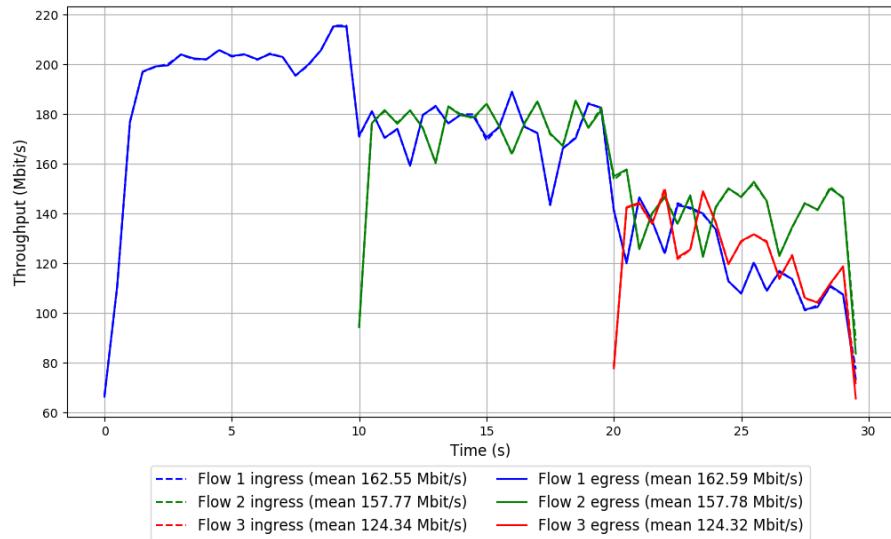


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-04-24 19:16:23
End at: 2018-04-24 19:16:53
Local clock offset: 0.888 ms
Remote clock offset: -6.166 ms

# Below is generated by plot.py at 2018-04-25 04:04:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 308.06 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 162.59 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 157.78 Mbit/s
95th percentile per-packet one-way delay: 1.383 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 124.32 Mbit/s
95th percentile per-packet one-way delay: 1.305 ms
Loss rate: 0.22%
```

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

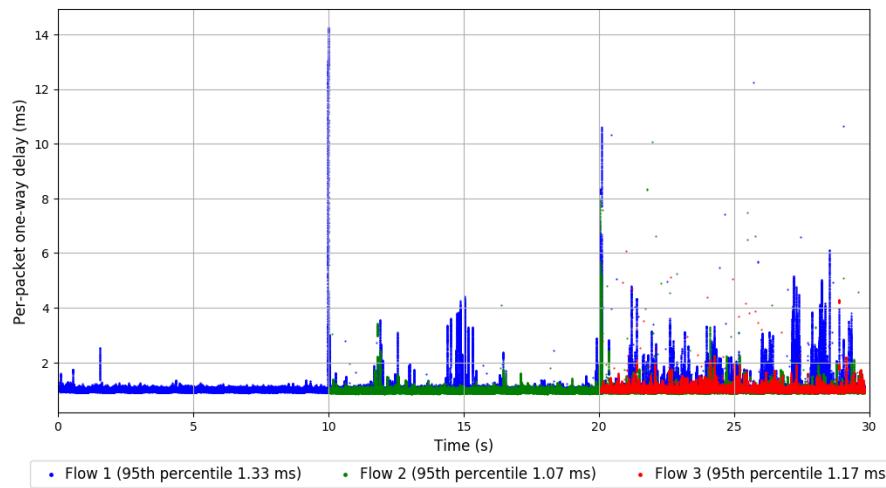
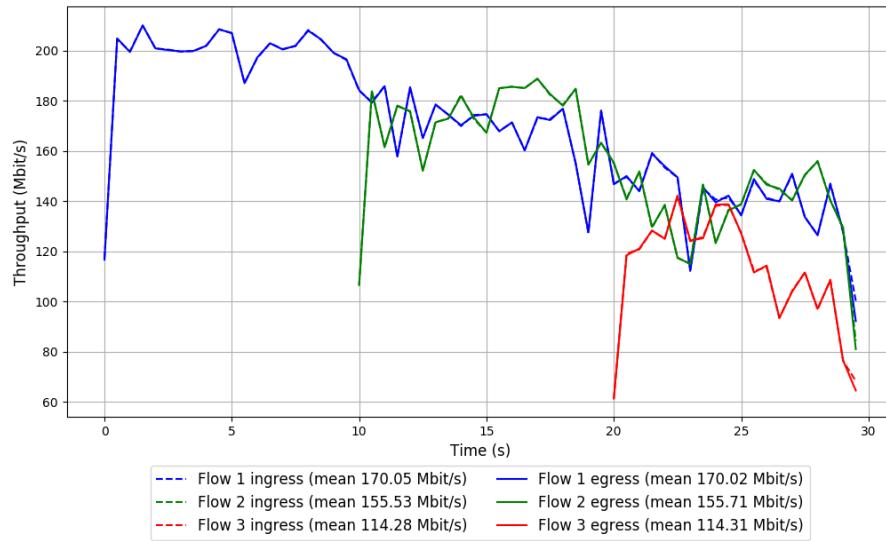


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-04-24 19:43:01
End at: 2018-04-24 19:43:31
Local clock offset: 0.969 ms
Remote clock offset: -5.631 ms

# Below is generated by plot.py at 2018-04-25 04:04:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 310.82 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 170.02 Mbit/s
95th percentile per-packet one-way delay: 1.330 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 155.71 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 114.31 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.17%
```

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

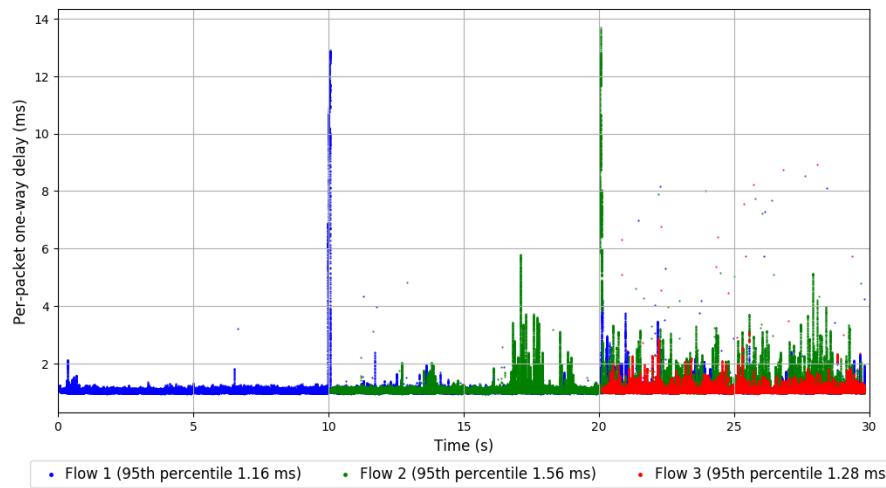
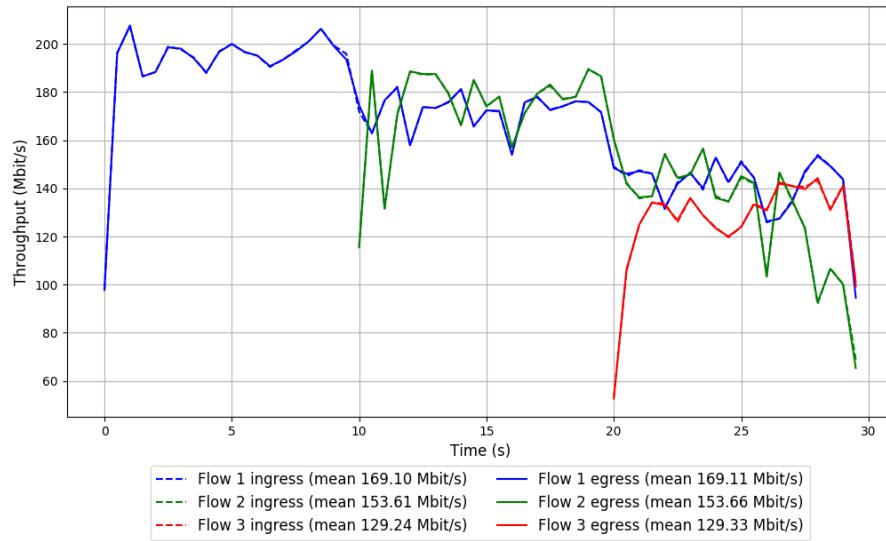


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-04-24 20:09:33
End at: 2018-04-24 20:10:03
Local clock offset: 0.486 ms
Remote clock offset: -5.157 ms

# Below is generated by plot.py at 2018-04-25 04:04:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 313.22 Mbit/s
95th percentile per-packet one-way delay: 1.259 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 169.11 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 153.66 Mbit/s
95th percentile per-packet one-way delay: 1.557 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 129.33 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.12%
```

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

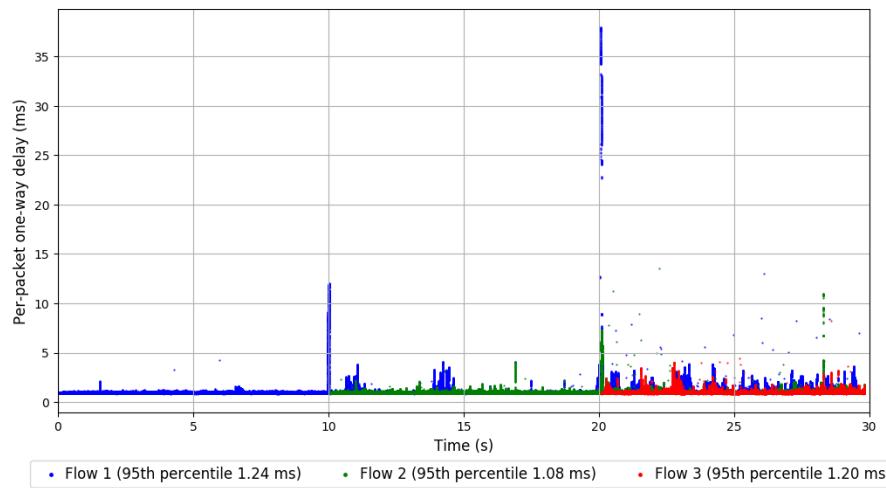
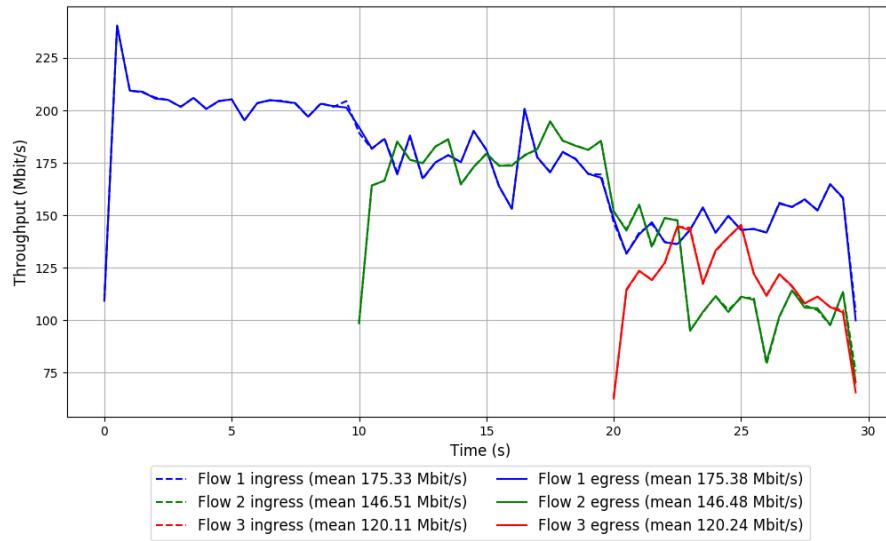


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-04-24 20:36:03
End at: 2018-04-24 20:36:33
Local clock offset: 0.394 ms
Remote clock offset: -5.135 ms

# Below is generated by plot.py at 2018-04-25 04:04:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 311.77 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 175.38 Mbit/s
95th percentile per-packet one-way delay: 1.240 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 146.48 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 120.24 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.14%
```

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

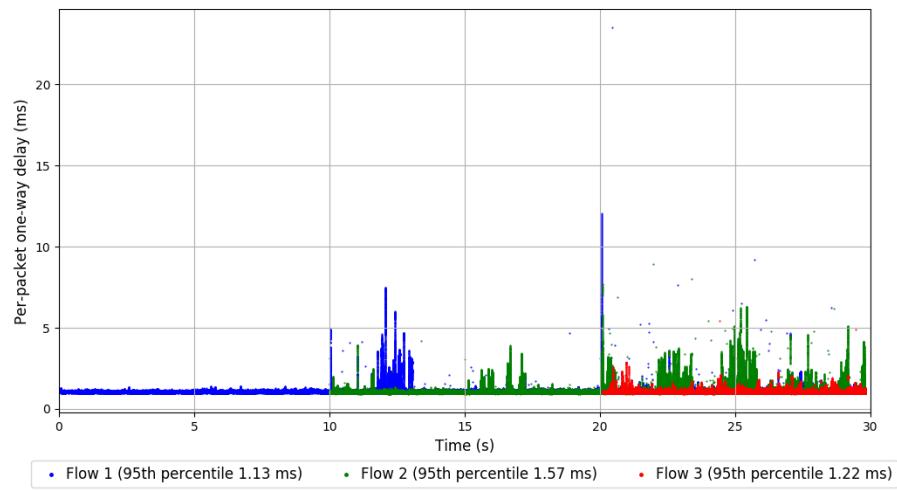
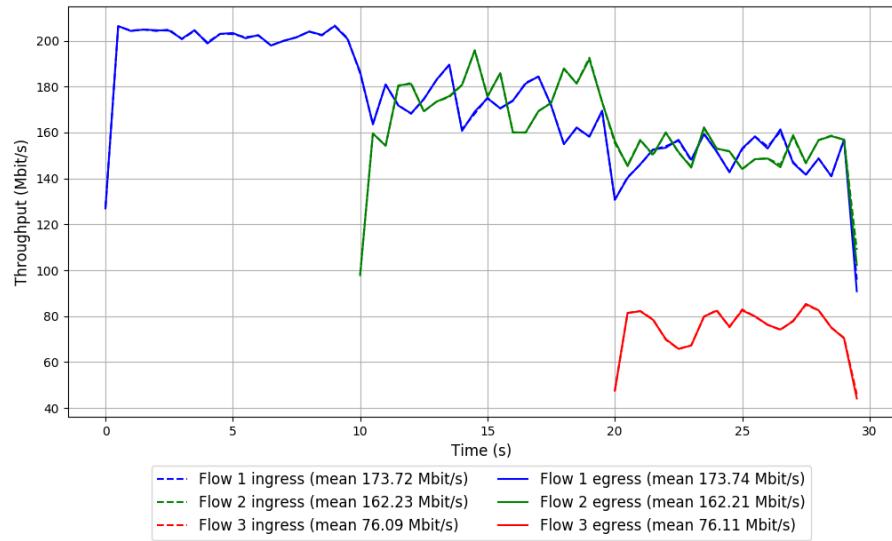


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-04-24 21:02:38
End at: 2018-04-24 21:03:08
Local clock offset: 0.436 ms
Remote clock offset: -5.376 ms

# Below is generated by plot.py at 2018-04-25 04:04:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 306.26 Mbit/s
95th percentile per-packet one-way delay: 1.214 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 173.74 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 162.21 Mbit/s
95th percentile per-packet one-way delay: 1.574 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 76.11 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.14%
```

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

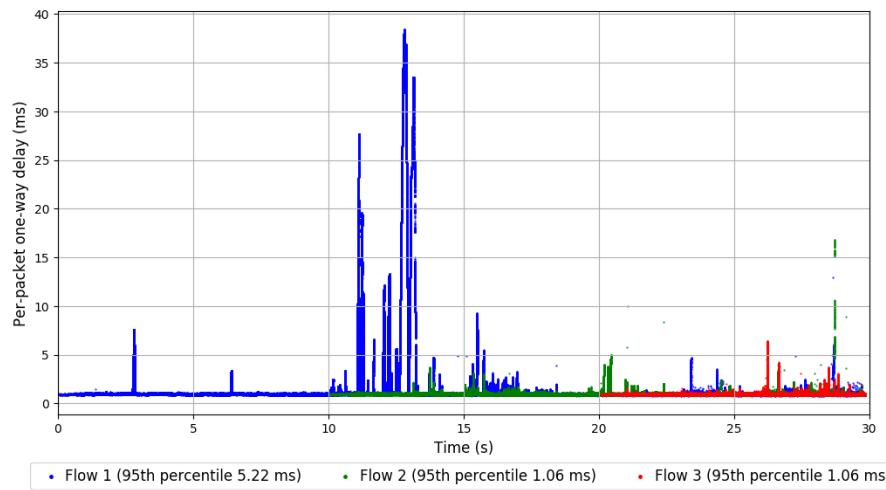
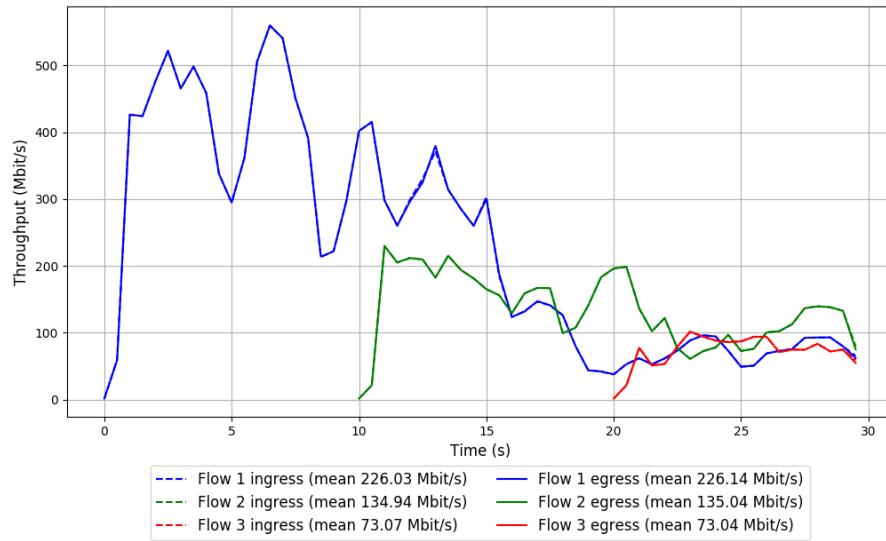


```
Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 17:22:14
End at: 2018-04-24 17:22:44
Local clock offset: 0.366 ms
Remote clock offset: -4.999 ms

# Below is generated by plot.py at 2018-04-25 04:04:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 339.81 Mbit/s
95th percentile per-packet one-way delay: 2.129 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 226.14 Mbit/s
95th percentile per-packet one-way delay: 5.216 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 135.04 Mbit/s
95th percentile per-packet one-way delay: 1.062 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 73.04 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.28%
```

Run 1: Report of PCC-Vivace — Data Link

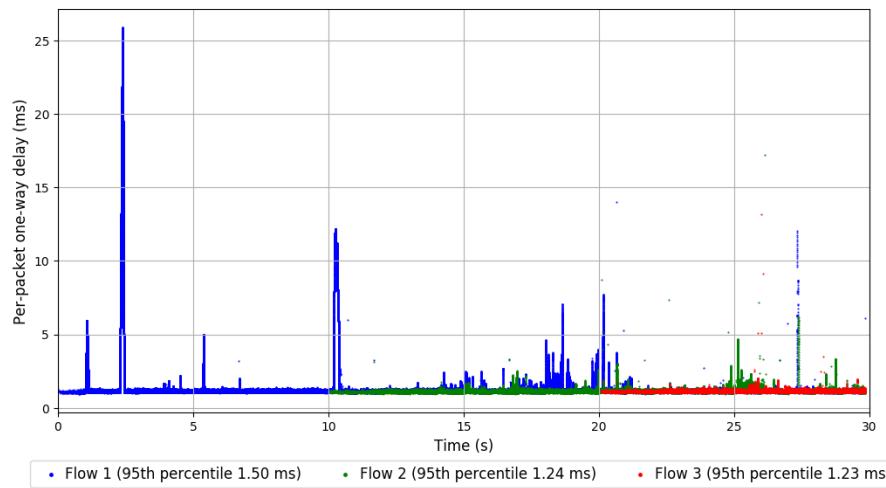
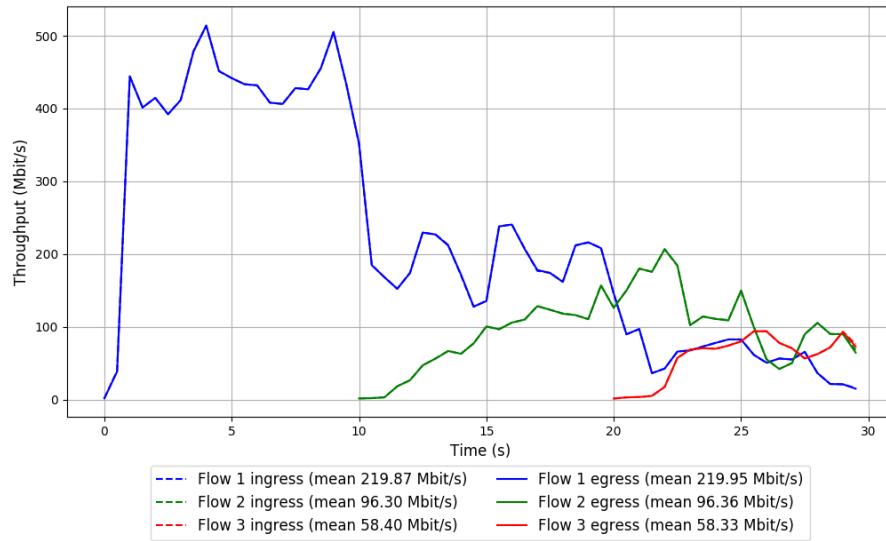


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-04-24 17:48:52
End at: 2018-04-24 17:49:22
Local clock offset: -0.033 ms
Remote clock offset: -6.215 ms

# Below is generated by plot.py at 2018-04-25 04:04:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 303.08 Mbit/s
95th percentile per-packet one-way delay: 1.315 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 219.95 Mbit/s
95th percentile per-packet one-way delay: 1.502 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 58.33 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.31%
```

Run 2: Report of PCC-Vivace — Data Link

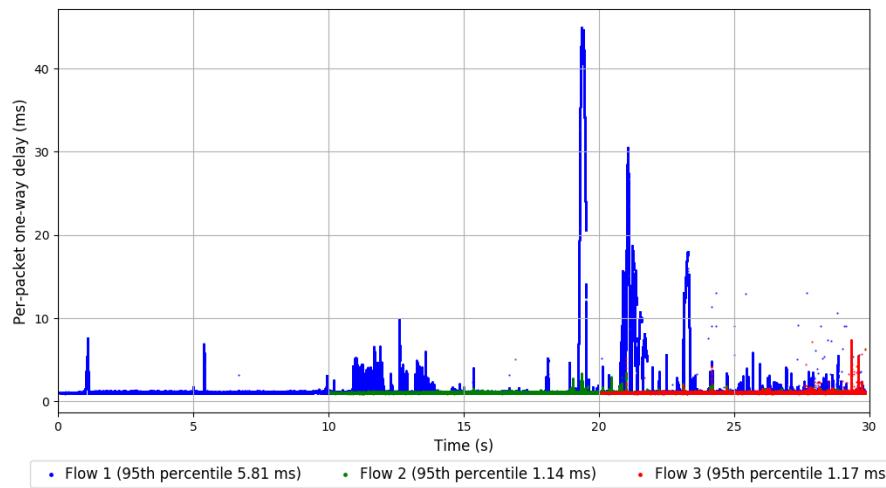
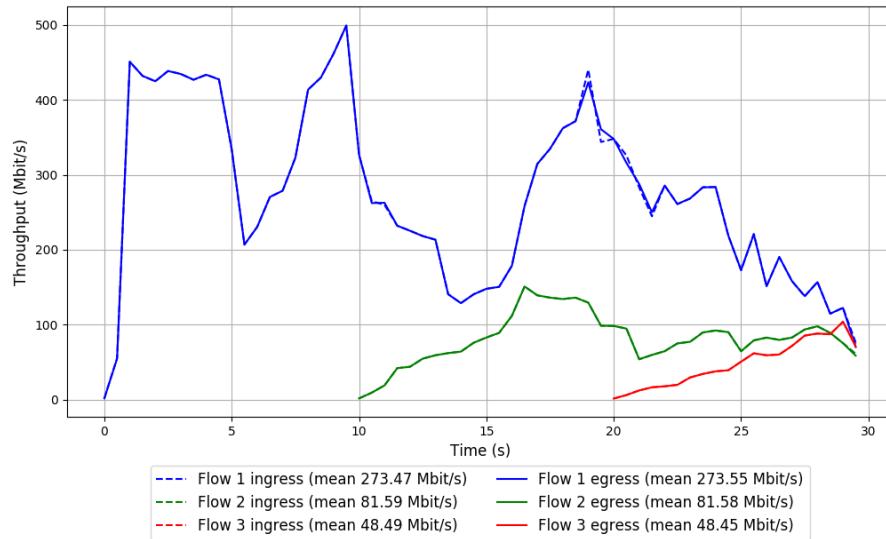


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-04-24 18:15:26
End at: 2018-04-24 18:15:56
Local clock offset: -0.996 ms
Remote clock offset: -5.099 ms

# Below is generated by plot.py at 2018-04-25 04:05:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 343.64 Mbit/s
95th percentile per-packet one-way delay: 4.049 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 273.55 Mbit/s
95th percentile per-packet one-way delay: 5.808 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 81.58 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 48.45 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.32%
```

Run 3: Report of PCC-Vivace — Data Link

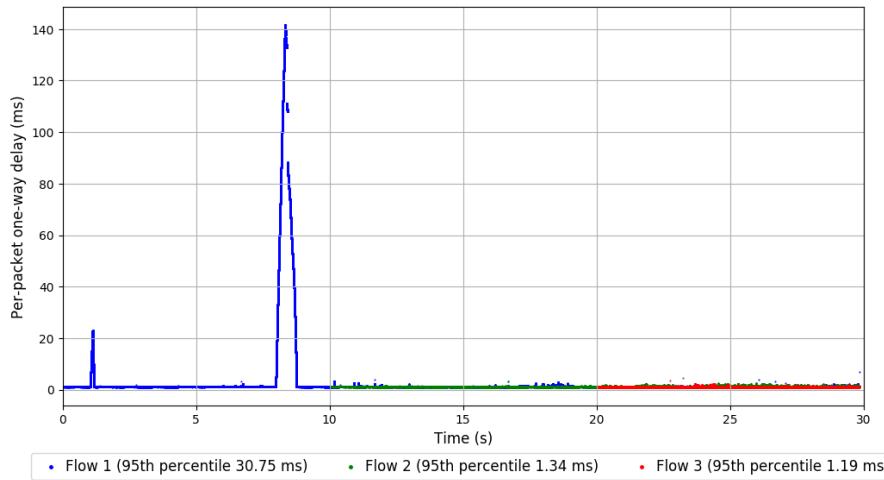
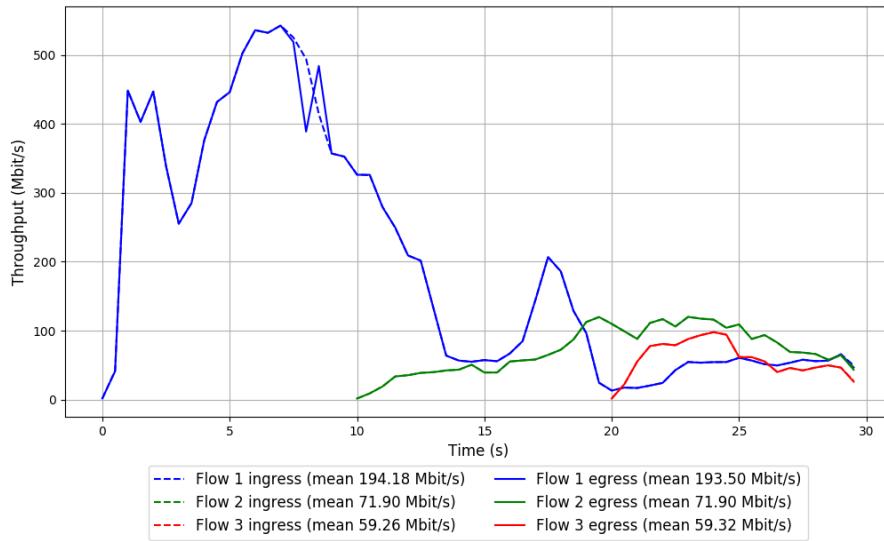


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-04-24 18:41:48
End at: 2018-04-24 18:42:18
Local clock offset: -1.822 ms
Remote clock offset: -6.106 ms

# Below is generated by plot.py at 2018-04-25 04:05:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 260.72 Mbit/s
95th percentile per-packet one-way delay: 8.173 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 193.50 Mbit/s
95th percentile per-packet one-way delay: 30.749 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 71.90 Mbit/s
95th percentile per-packet one-way delay: 1.338 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 59.32 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.10%
```

Run 4: Report of PCC-Vivace — Data Link

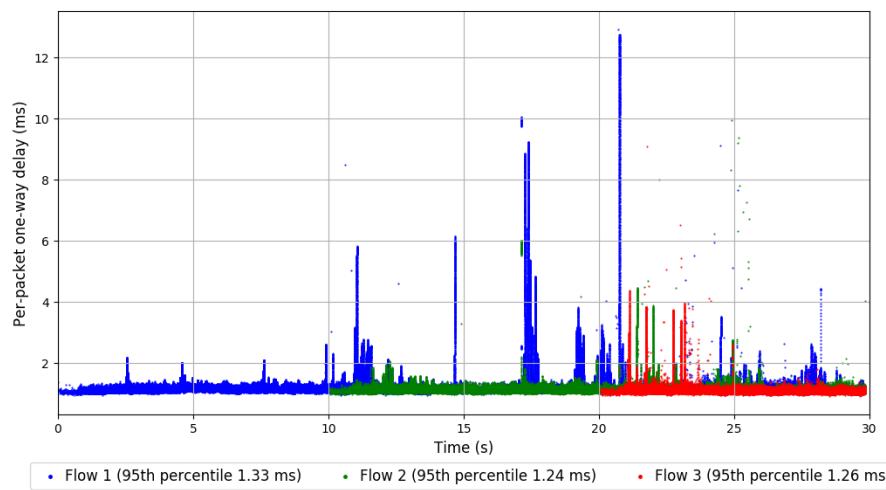
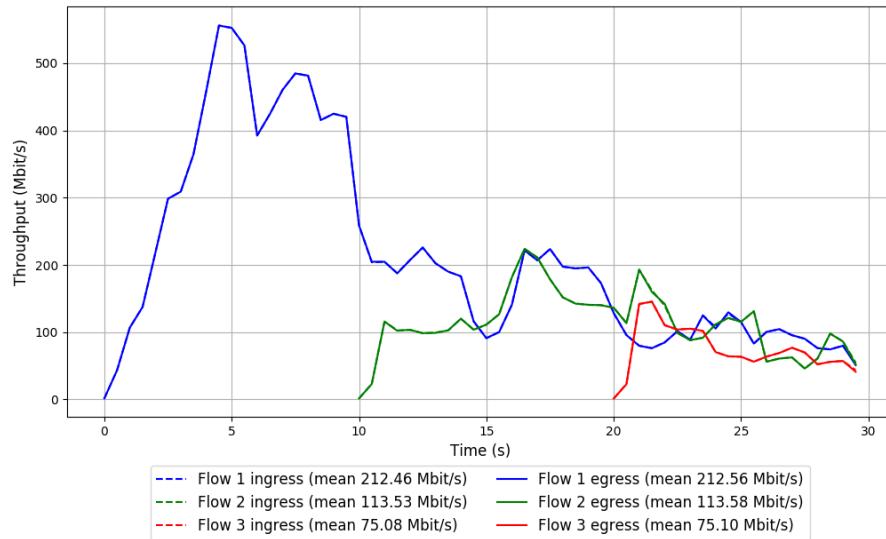


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-04-24 19:08:30
End at: 2018-04-24 19:09:00
Local clock offset: 0.639 ms
Remote clock offset: -6.294 ms

# Below is generated by plot.py at 2018-04-25 04:06:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 312.65 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 212.56 Mbit/s
95th percentile per-packet one-way delay: 1.326 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 113.58 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 75.10 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.17%
```

Run 5: Report of PCC-Vivace — Data Link

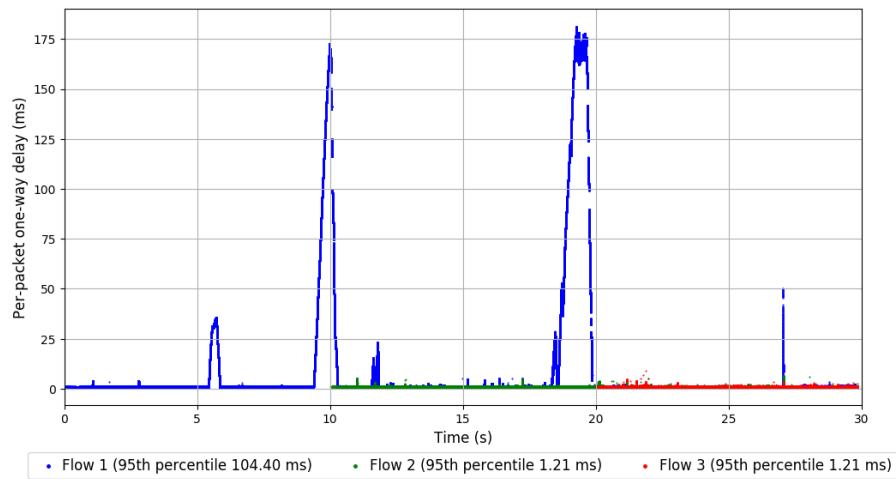
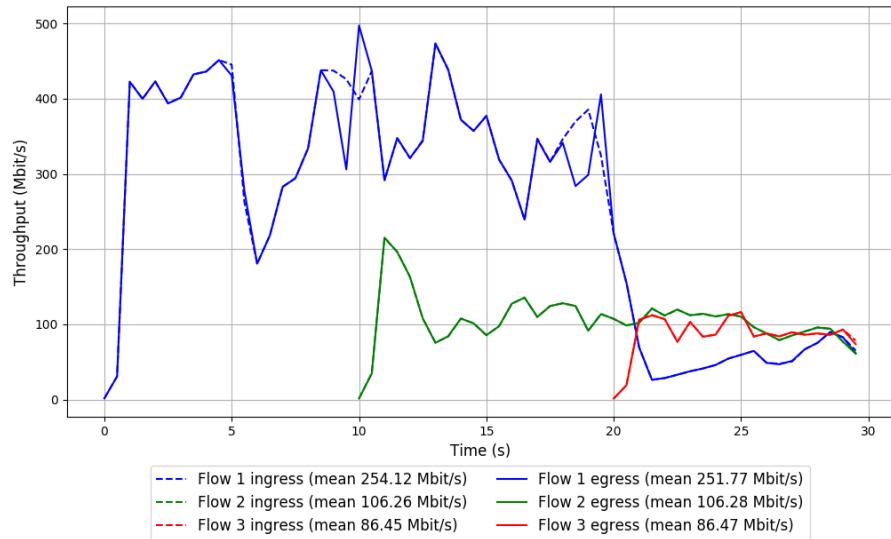


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-04-24 19:35:08
End at: 2018-04-24 19:35:38
Local clock offset: 0.79 ms
Remote clock offset: -6.111 ms

# Below is generated by plot.py at 2018-04-25 04:06:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 350.77 Mbit/s
95th percentile per-packet one-way delay: 61.148 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 251.77 Mbit/s
95th percentile per-packet one-way delay: 104.402 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 106.28 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 86.47 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.31%
```

Run 6: Report of PCC-Vivace — Data Link

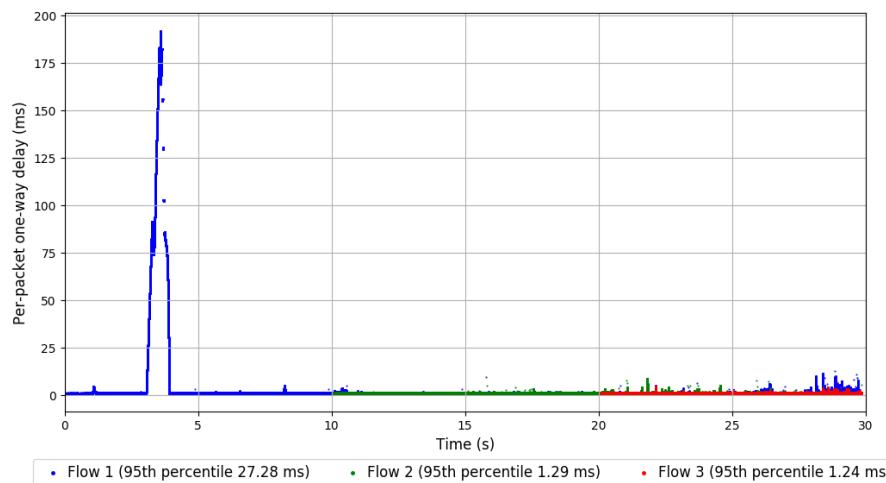
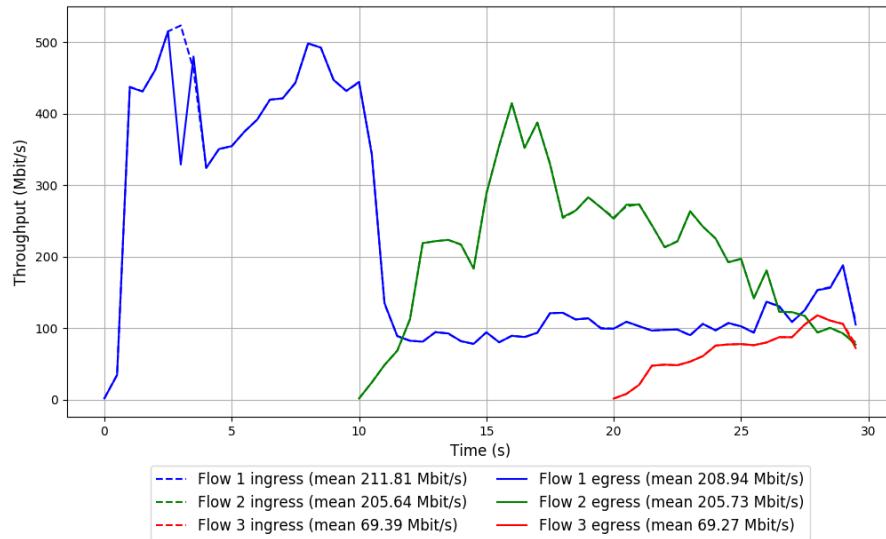


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-04-24 20:01:44
End at: 2018-04-24 20:02:14
Local clock offset: 0.619 ms
Remote clock offset: -5.311 ms

# Below is generated by plot.py at 2018-04-25 04:07:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 368.35 Mbit/s
95th percentile per-packet one-way delay: 2.324 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 208.94 Mbit/s
95th percentile per-packet one-way delay: 27.278 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 205.73 Mbit/s
95th percentile per-packet one-way delay: 1.290 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 69.27 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.39%
```

Run 7: Report of PCC-Vivace — Data Link

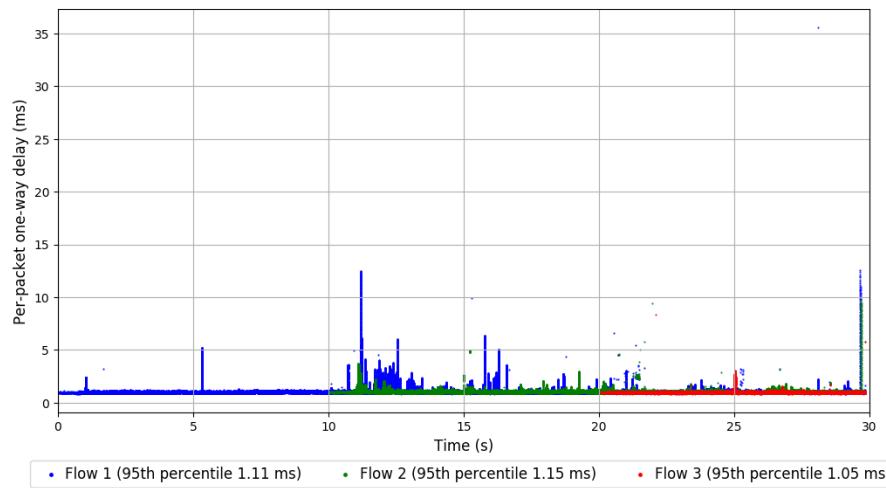
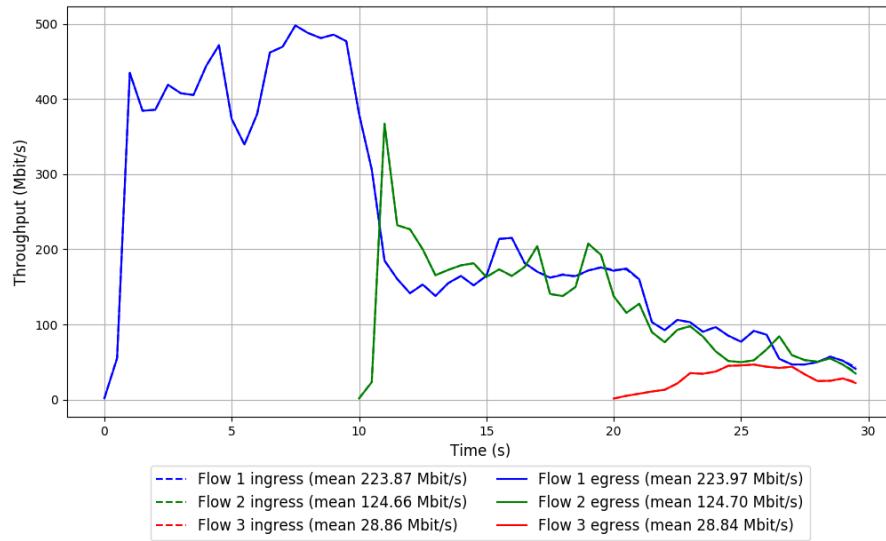


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-04-24 20:28:14
End at: 2018-04-24 20:28:44
Local clock offset: 0.361 ms
Remote clock offset: -5.227 ms

# Below is generated by plot.py at 2018-04-25 04:07:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 316.23 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 223.97 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 124.70 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 28.84 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.24%
```

Run 8: Report of PCC-Vivace — Data Link

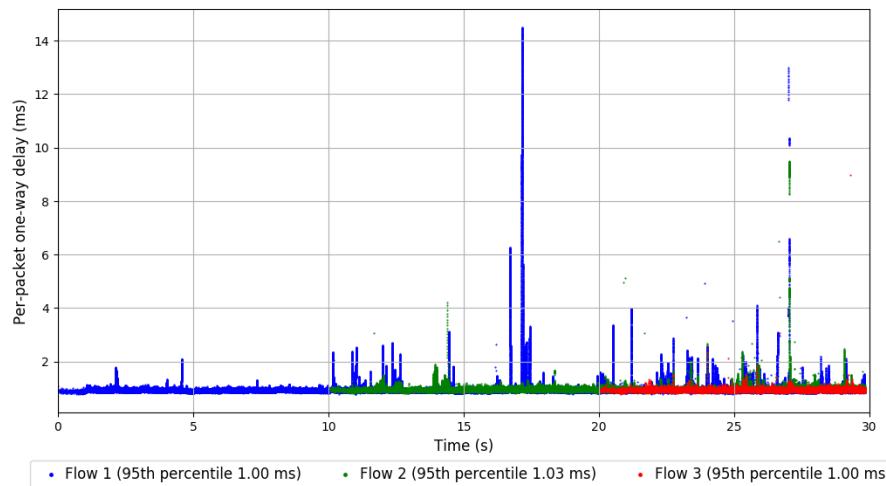
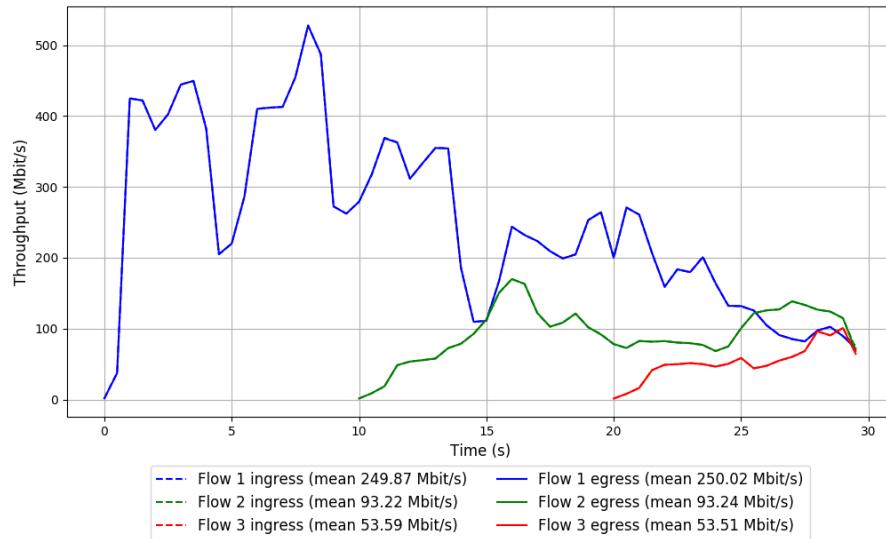


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-04-24 20:54:44
End at: 2018-04-24 20:55:14
Local clock offset: 0.484 ms
Remote clock offset: -5.271 ms

# Below is generated by plot.py at 2018-04-25 04:07:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 329.49 Mbit/s
95th percentile per-packet one-way delay: 1.009 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 250.02 Mbit/s
95th percentile per-packet one-way delay: 0.996 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 1.035 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 53.51 Mbit/s
95th percentile per-packet one-way delay: 1.003 ms
Loss rate: 0.33%
```

Run 9: Report of PCC-Vivace — Data Link

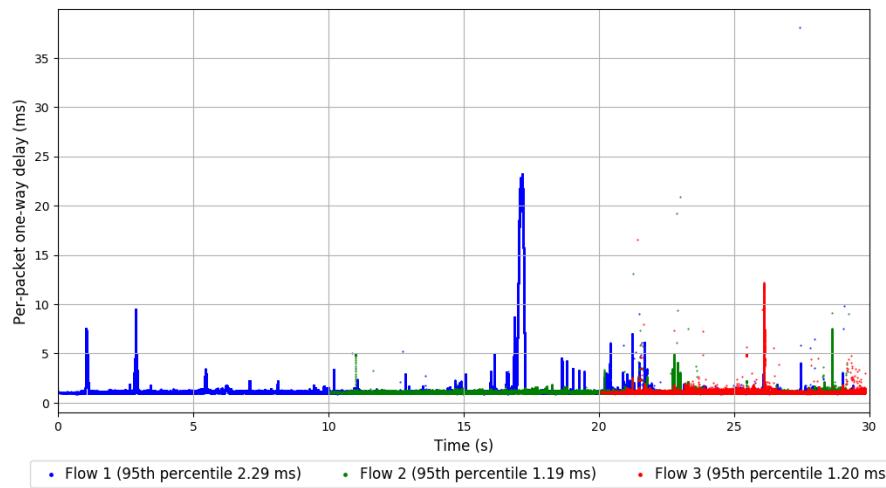
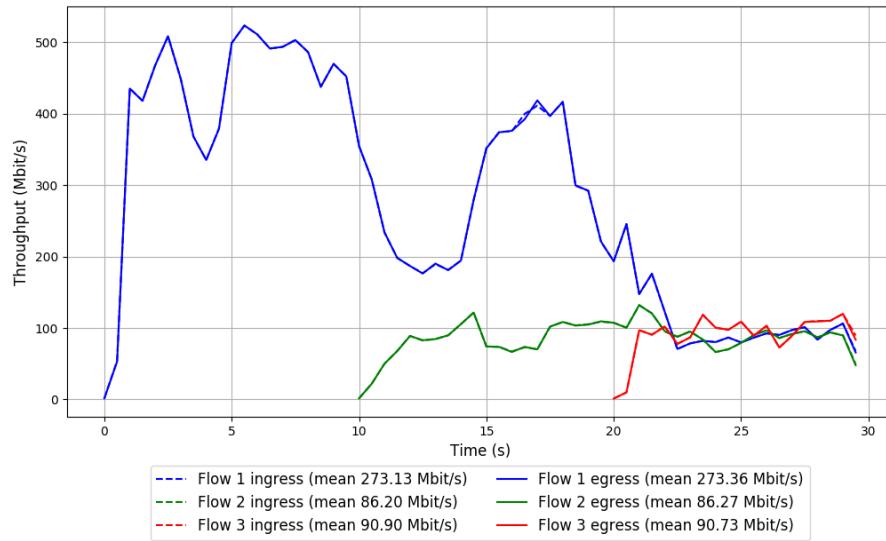


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-04-24 21:21:26
End at: 2018-04-24 21:21:56
Local clock offset: 0.292 ms
Remote clock offset: -5.401 ms

# Below is generated by plot.py at 2018-04-25 04:07:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 360.38 Mbit/s
95th percentile per-packet one-way delay: 1.744 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 273.36 Mbit/s
95th percentile per-packet one-way delay: 2.285 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 86.27 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.36%
```

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 17:02:05

End at: 2018-04-24 17:02:35

Local clock offset: 0.2 ms

Remote clock offset: -5.143 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 17:28:45
End at: 2018-04-24 17:29:15
Local clock offset: 0.487 ms
Remote clock offset: -5.679 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 17:55:24

End at: 2018-04-24 17:55:54

Local clock offset: -0.24 ms

Remote clock offset: -6.085 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 18:21:58

End at: 2018-04-24 18:22:28

Local clock offset: -1.296 ms

Remote clock offset: -5.045 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 18:48:18
End at: 2018-04-24 18:48:48
Local clock offset: -0.821 ms
Remote clock offset: -6.303 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 19:15:04

End at: 2018-04-24 19:15:34

Local clock offset: 0.862 ms

Remote clock offset: -6.056 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 19:41:43

End at: 2018-04-24 19:42:13

Local clock offset: 0.943 ms

Remote clock offset: -5.773 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 20:08:15
End at: 2018-04-24 20:08:45
Local clock offset: 0.501 ms
Remote clock offset: -5.137 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 20:34:45
End at: 2018-04-24 20:35:15
Local clock offset: 0.46 ms
Remote clock offset: -5.203 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 21:01:20

End at: 2018-04-24 21:01:50

Local clock offset: 0.573 ms

Remote clock offset: -5.311 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing