

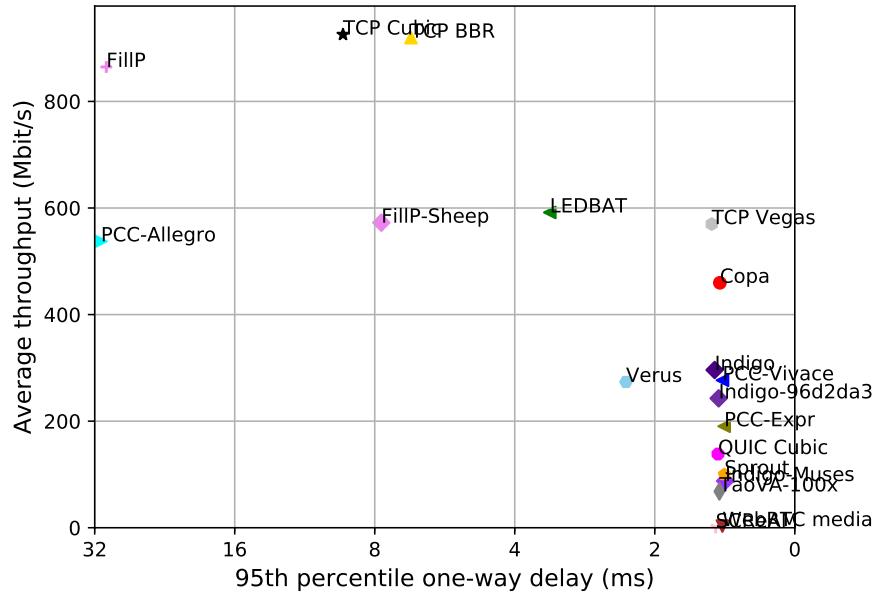
Pantheon Report

Generated at 2018-11-30 18:43:35 (UTC).
Data path: Stanford on `eno1` (*remote*) → AWS California 1 on `ens5` (*local*).
Repeated the test of 19 congestion control schemes 5 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

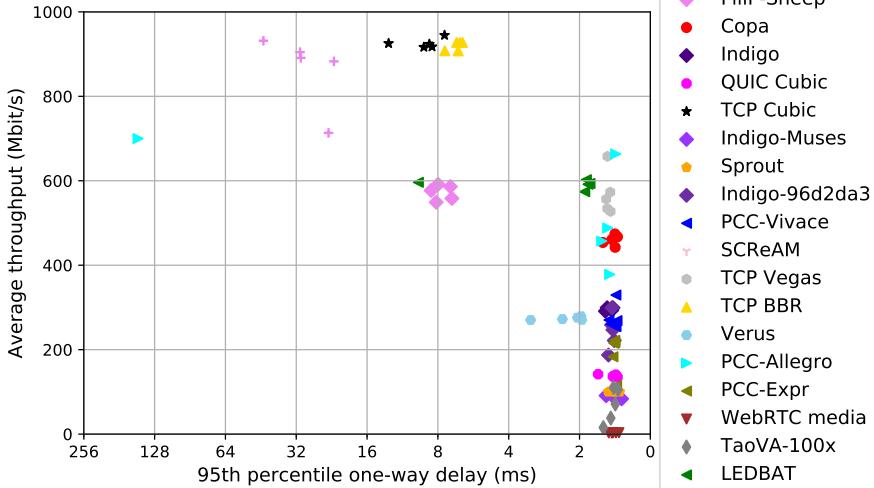
```
System info:  
Linux 4.15.0-1027-aws  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
Git summary:  
branch: muses @ 7b6dad87cde3ab65f7c4052140eb54098aa58e9d  
third_party/fillp @ d6da1459332fce6963885d7eba17e6a32d4519  
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9  
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4  
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third_party/indigo-96d2da3 @ 8413272d46f8aa0bc967ed7048b6a8f994abb95  
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf  
third_party/muses @ 65ac1b19bbefed0c6349ae986009b4fa8643c40a  
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd  
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-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2  
M src/ScreamClient  
M src/ScreamServer  
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26  
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 @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Stanford to AWS California 1, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from Stanford to AWS California 1, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows



4

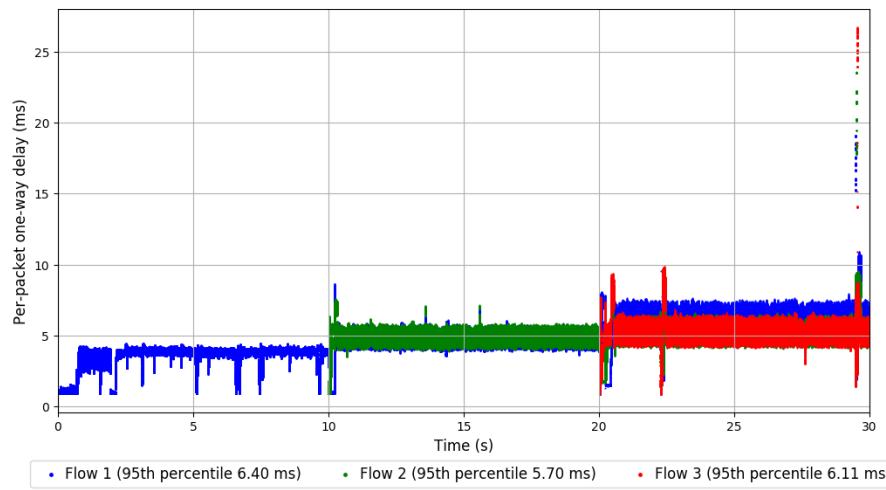
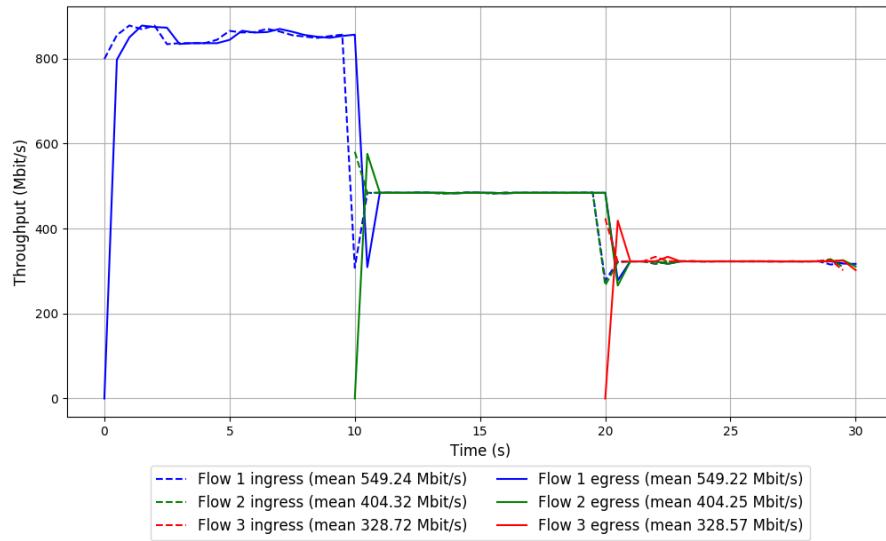
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	540.62	404.89	328.82	6.75	6.02	6.46	0.02	0.03	0.07
Copa	5	285.40	202.76	118.19	1.08	1.05	1.03	0.00	0.01	0.02
TCP Cubic	5	550.72	402.34	320.73	9.70	7.65	7.84	0.02	0.03	0.07
FillP	5	580.77	304.41	246.31	30.62	20.85	26.61	0.09	0.05	0.15
FillP-Sheep	5	423.22	204.83	39.47	8.25	4.42	3.62	0.00	0.01	0.00
Indigo	5	159.06	146.05	121.09	1.09	1.17	1.26	0.00	0.00	0.02
Indigo-96d2da3	5	128.73	114.59	114.10	1.08	1.08	1.09	0.01	0.00	0.01
LEDBAT	5	366.42	250.45	176.08	3.78	1.90	1.64	0.00	0.00	0.02
Indigo-Muses	5	43.39	42.87	47.56	1.00	0.99	0.96	0.01	0.01	0.01
PCC-Allegro	5	414.61	125.47	119.89	33.27	2.37	1.33	0.00	0.01	0.02
PCC-Expr	5	149.84	52.29	17.64	1.02	0.97	0.96	0.00	0.00	0.01
QUIC Cubic	5	74.41	67.64	56.83	1.10	1.09	1.08	0.00	0.01	0.02
SCReAM	5	0.22	0.22	0.22	1.13	1.12	1.11	0.00	0.00	0.07
Sprout	5	50.23	50.13	49.88	1.01	0.99	0.99	0.01	0.02	0.04
TaoVA-100x	5	34.47	31.32	38.48	1.08	1.07	1.08	0.00	0.01	0.02
TCP Vegas	5	290.66	284.50	269.38	1.17	1.21	1.24	0.01	0.01	0.02
Verus	5	179.39	106.46	70.99	2.43	1.60	1.29	0.00	0.00	0.01
PCC-Vivace	5	176.46	114.59	73.02	1.03	1.04	1.09	0.00	0.01	0.01
WebRTC media	5	1.58	1.08	0.44	1.04	1.03	1.03	0.02	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-11-30 15:25:54
End at: 2018-11-30 15:26:24
Local clock offset: 2.532 ms
Remote clock offset: 1.144 ms

# Below is generated by plot.py at 2018-11-30 17:55:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 927.64 Mbit/s
95th percentile per-packet one-way delay: 6.289 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 549.22 Mbit/s
95th percentile per-packet one-way delay: 6.404 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 404.25 Mbit/s
95th percentile per-packet one-way delay: 5.699 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 328.57 Mbit/s
95th percentile per-packet one-way delay: 6.106 ms
Loss rate: 0.06%
```

Run 1: Report of TCP BBR — Data Link

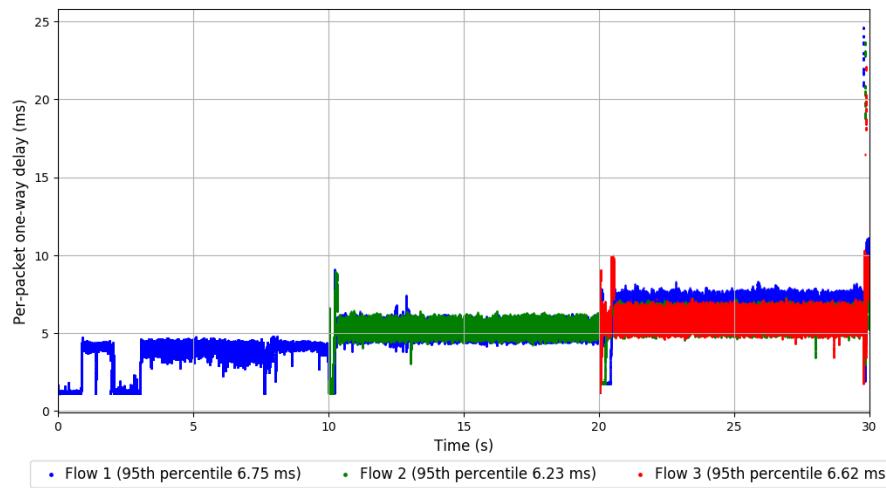
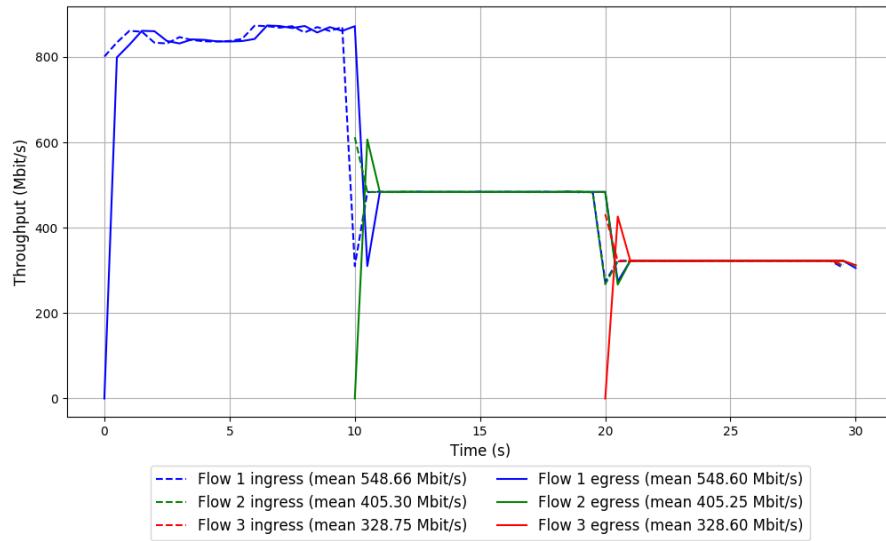


Run 2: Statistics of TCP BBR

```
Start at: 2018-11-30 15:53:41
End at: 2018-11-30 15:54:11
Local clock offset: 1.355 ms
Remote clock offset: 1.028 ms

# Below is generated by plot.py at 2018-11-30 17:56:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 927.76 Mbit/s
95th percentile per-packet one-way delay: 6.658 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 548.60 Mbit/s
95th percentile per-packet one-way delay: 6.750 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 405.25 Mbit/s
95th percentile per-packet one-way delay: 6.226 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 328.60 Mbit/s
95th percentile per-packet one-way delay: 6.619 ms
Loss rate: 0.07%
```

Run 2: Report of TCP BBR — Data Link

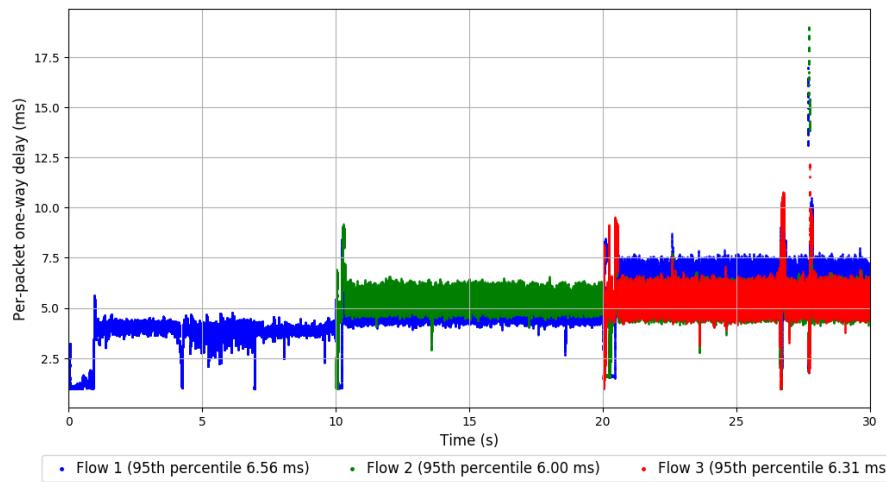
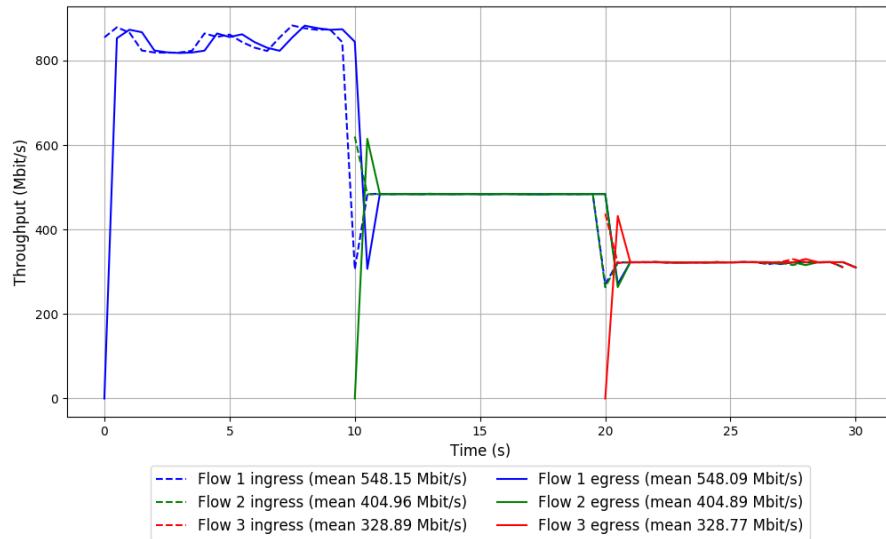


Run 3: Statistics of TCP BBR

```
Start at: 2018-11-30 16:21:29
End at: 2018-11-30 16:21:59
Local clock offset: -0.173 ms
Remote clock offset: 0.034 ms

# Below is generated by plot.py at 2018-11-30 17:56:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 927.24 Mbit/s
95th percentile per-packet one-way delay: 6.452 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 548.09 Mbit/s
95th percentile per-packet one-way delay: 6.564 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 404.89 Mbit/s
95th percentile per-packet one-way delay: 6.003 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 328.77 Mbit/s
95th percentile per-packet one-way delay: 6.314 ms
Loss rate: 0.06%
```

Run 3: Report of TCP BBR — Data Link

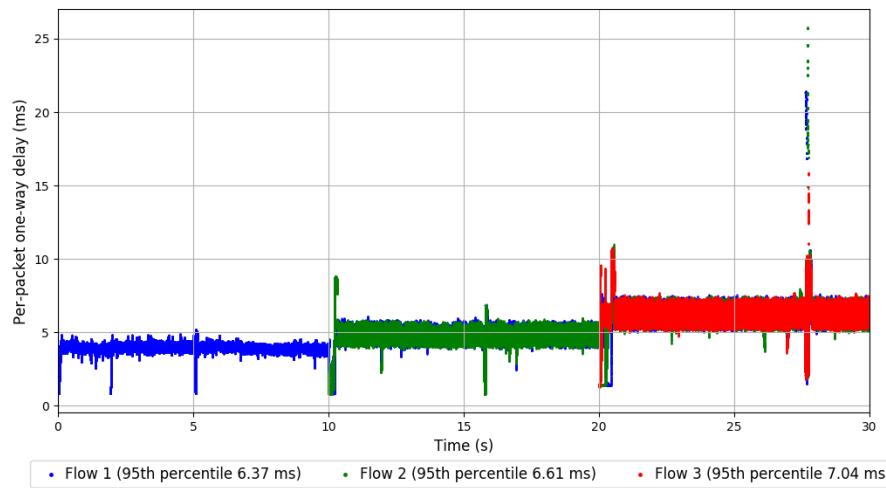
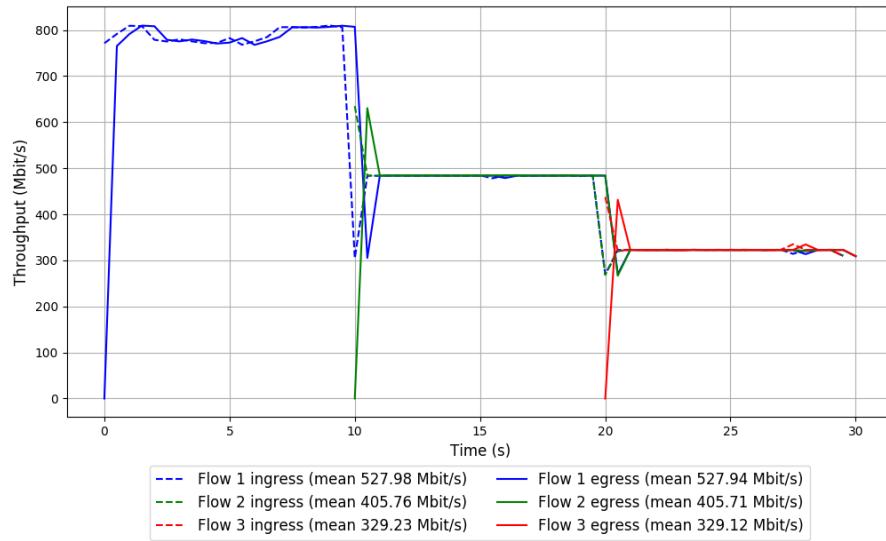


Run 4: Statistics of TCP BBR

```
Start at: 2018-11-30 16:48:58
End at: 2018-11-30 16:49:28
Local clock offset: -0.254 ms
Remote clock offset: -2.713 ms

# Below is generated by plot.py at 2018-11-30 17:56:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 907.66 Mbit/s
95th percentile per-packet one-way delay: 6.556 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 527.94 Mbit/s
95th percentile per-packet one-way delay: 6.370 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 405.71 Mbit/s
95th percentile per-packet one-way delay: 6.608 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 329.12 Mbit/s
95th percentile per-packet one-way delay: 7.042 ms
Loss rate: 0.07%
```

Run 4: Report of TCP BBR — Data Link

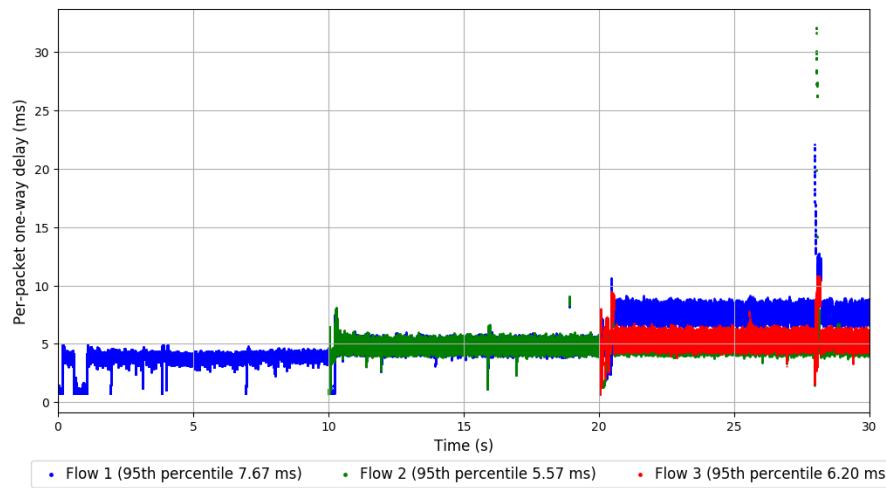
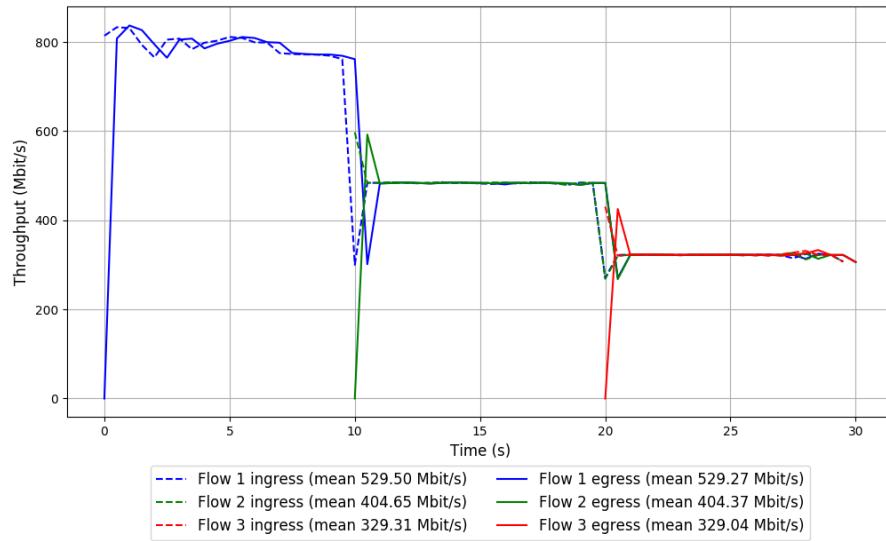


Run 5: Statistics of TCP BBR

```
Start at: 2018-11-30 17:16:31
End at: 2018-11-30 17:17:01
Local clock offset: 0.258 ms
Remote clock offset: -3.837 ms

# Below is generated by plot.py at 2018-11-30 17:56:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 907.86 Mbit/s
95th percentile per-packet one-way delay: 7.477 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 529.27 Mbit/s
95th percentile per-packet one-way delay: 7.669 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 404.37 Mbit/s
95th percentile per-packet one-way delay: 5.574 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 329.04 Mbit/s
95th percentile per-packet one-way delay: 6.199 ms
Loss rate: 0.11%
```

Run 5: Report of TCP BBR — Data Link

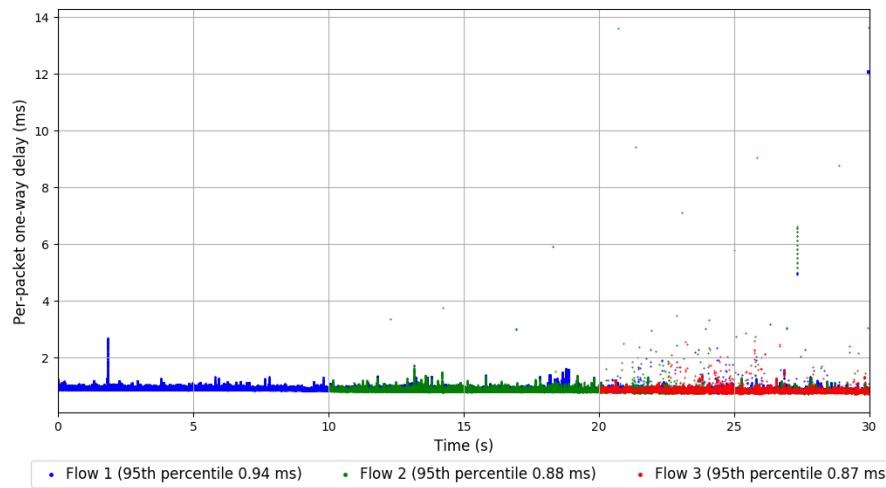
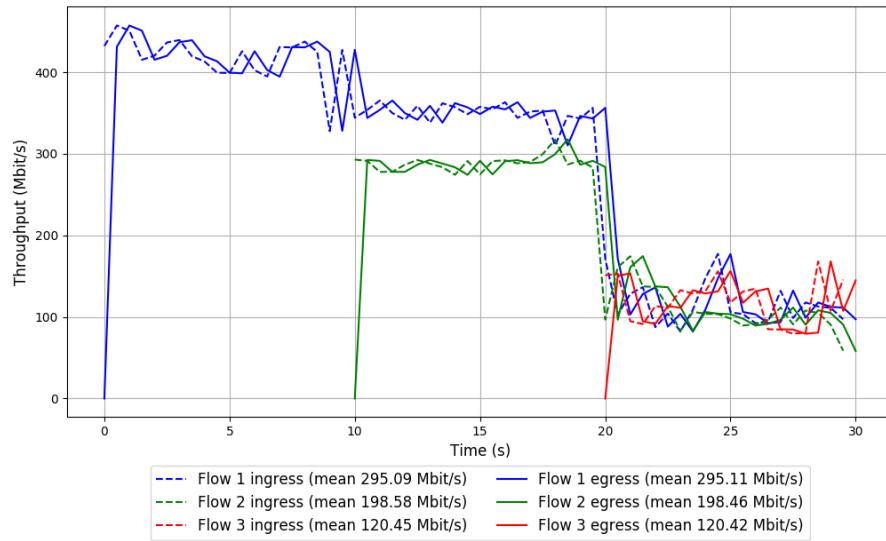


Run 1: Statistics of Copa

```
Start at: 2018-11-30 15:20:05
End at: 2018-11-30 15:20:35
Local clock offset: 1.61 ms
Remote clock offset: 0.91 ms

# Below is generated by plot.py at 2018-11-30 17:56:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 467.22 Mbit/s
95th percentile per-packet one-way delay: 0.929 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 295.11 Mbit/s
95th percentile per-packet one-way delay: 0.938 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 198.46 Mbit/s
95th percentile per-packet one-way delay: 0.875 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 120.42 Mbit/s
95th percentile per-packet one-way delay: 0.869 ms
Loss rate: 0.04%
```

Run 1: Report of Copa — Data Link

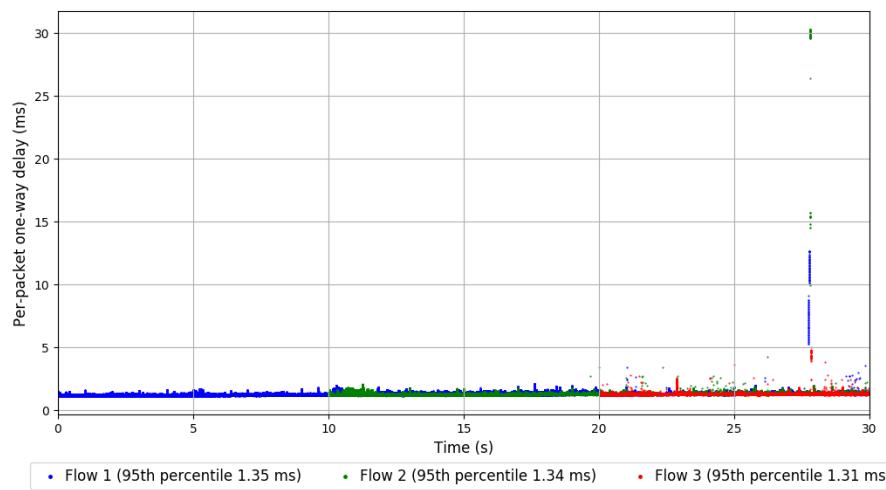
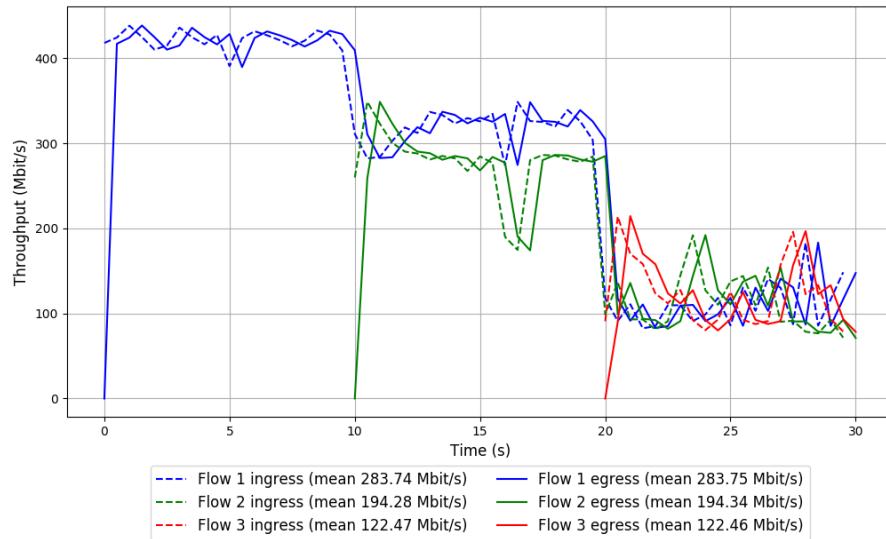


Run 2: Statistics of Copa

```
Start at: 2018-11-30 15:47:58
End at: 2018-11-30 15:48:28
Local clock offset: 2.744 ms
Remote clock offset: 0.872 ms

# Below is generated by plot.py at 2018-11-30 17:56:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 453.83 Mbit/s
95th percentile per-packet one-way delay: 1.340 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 283.75 Mbit/s
95th percentile per-packet one-way delay: 1.347 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 194.34 Mbit/s
95th percentile per-packet one-way delay: 1.340 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 122.46 Mbit/s
95th percentile per-packet one-way delay: 1.314 ms
Loss rate: 0.03%
```

Run 2: Report of Copa — Data Link

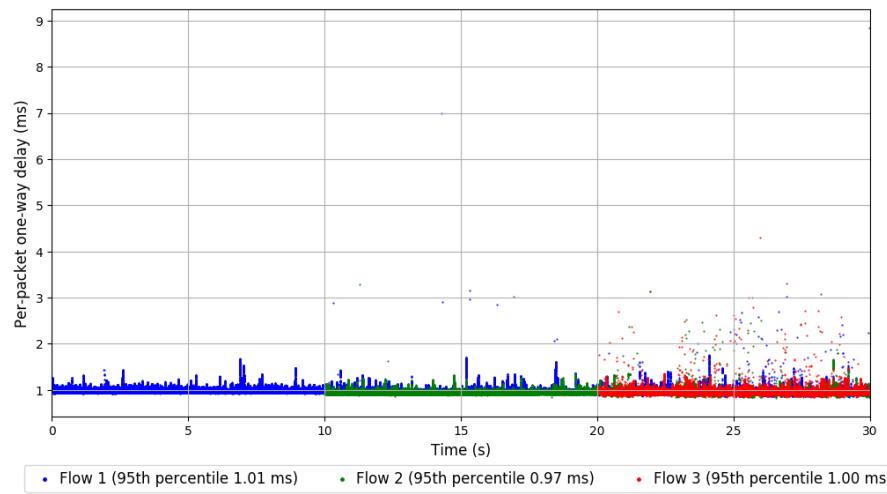
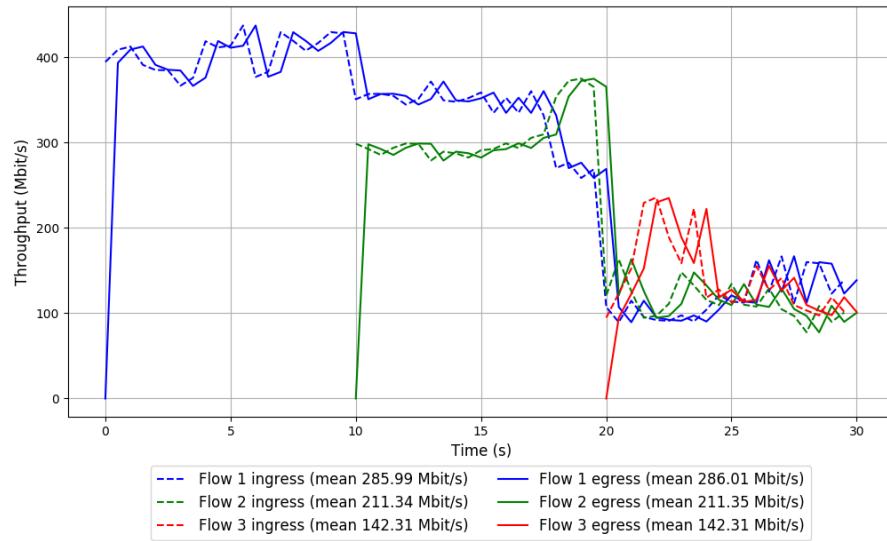


Run 3: Statistics of Copa

```
Start at: 2018-11-30 16:15:38
End at: 2018-11-30 16:16:08
Local clock offset: -0.249 ms
Remote clock offset: 0.183 ms

# Below is generated by plot.py at 2018-11-30 17:56:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 474.02 Mbit/s
95th percentile per-packet one-way delay: 1.001 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 286.01 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 211.35 Mbit/s
95th percentile per-packet one-way delay: 0.971 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 142.31 Mbit/s
95th percentile per-packet one-way delay: 0.997 ms
Loss rate: 0.02%
```

Run 3: Report of Copa — Data Link

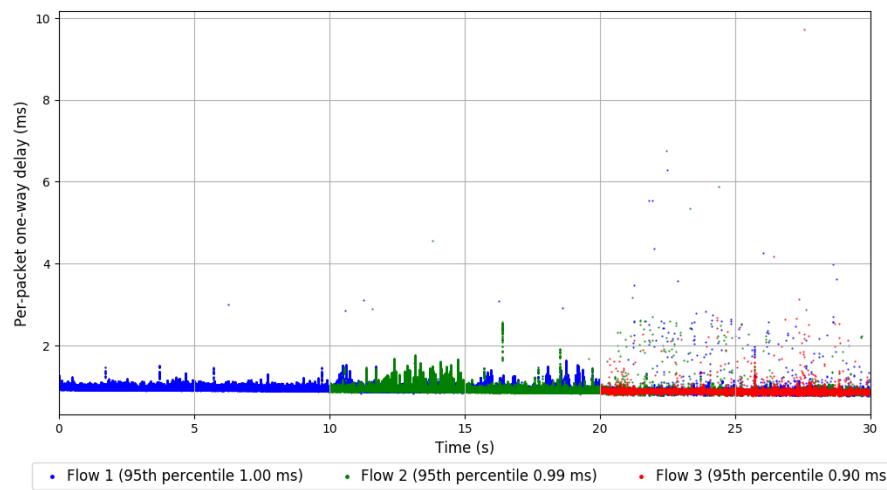
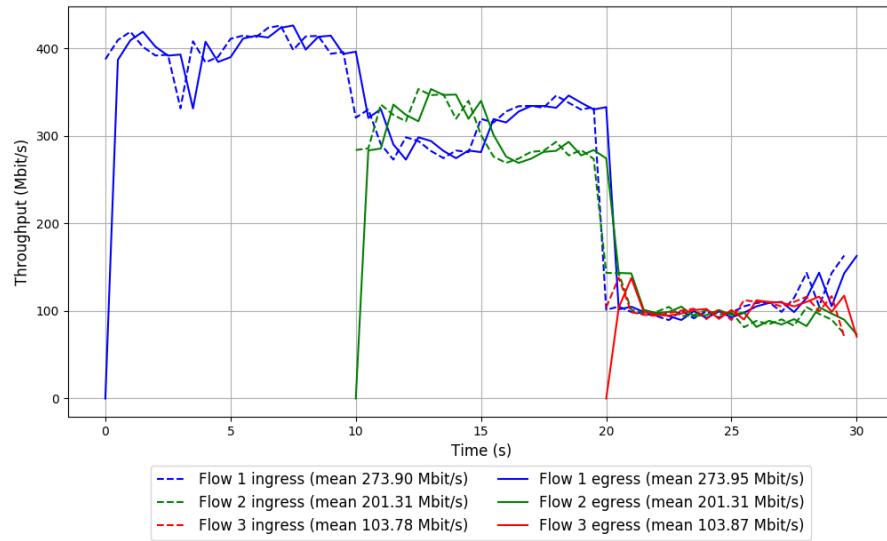


Run 4: Statistics of Copa

```
Start at: 2018-11-30 16:43:11
End at: 2018-11-30 16:43:41
Local clock offset: -0.271 ms
Remote clock offset: -1.858 ms

# Below is generated by plot.py at 2018-11-30 18:04:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 442.44 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 273.95 Mbit/s
95th percentile per-packet one-way delay: 0.998 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 201.31 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 103.87 Mbit/s
95th percentile per-packet one-way delay: 0.902 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

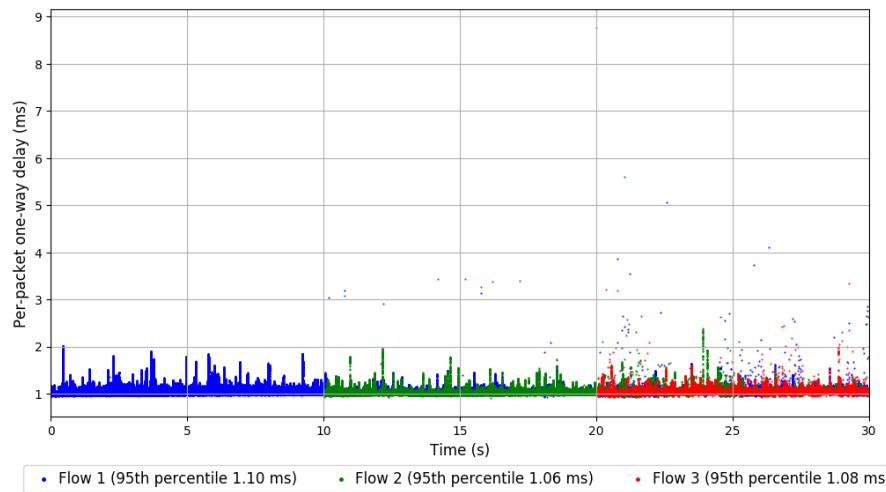
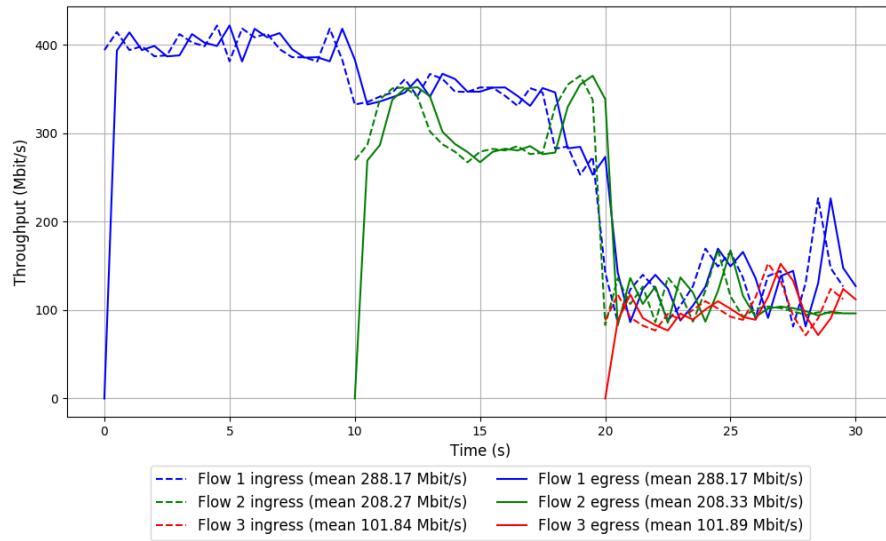


Run 5: Statistics of Copa

```
Start at: 2018-11-30 17:10:47
End at: 2018-11-30 17:11:17
Local clock offset: -0.344 ms
Remote clock offset: -4.363 ms

# Below is generated by plot.py at 2018-11-30 18:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 460.69 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 288.17 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 208.33 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 101.89 Mbit/s
95th percentile per-packet one-way delay: 1.084 ms
Loss rate: 0.02%
```

Run 5: Report of Copa — Data Link

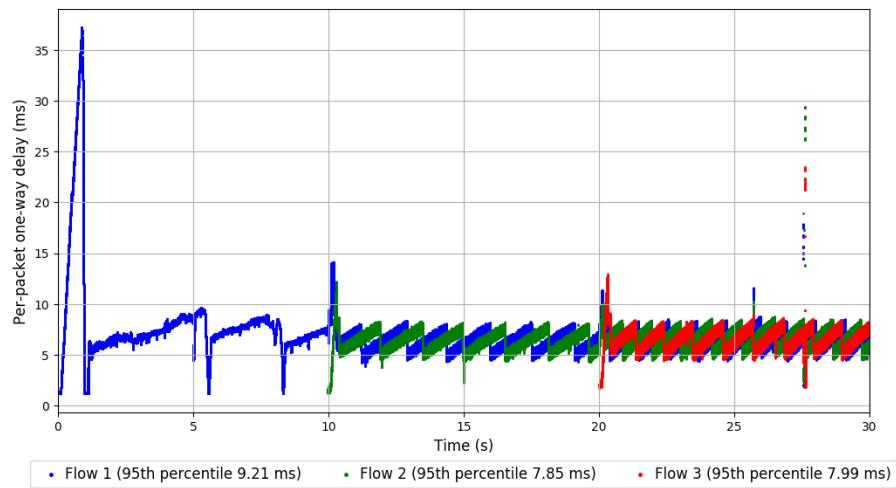
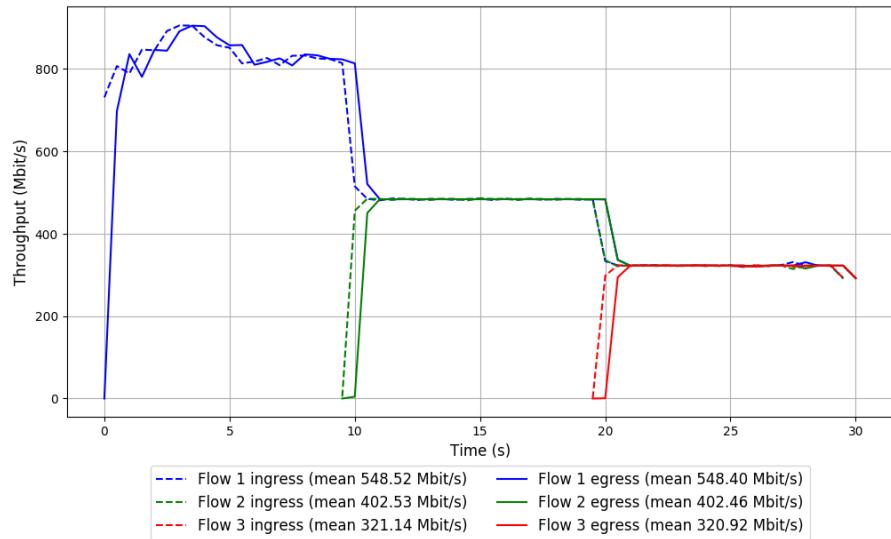


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-11-30 15:46:14
End at: 2018-11-30 15:46:44
Local clock offset: 3.387 ms
Remote clock offset: 0.824 ms

# Below is generated by plot.py at 2018-11-30 18:05:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 923.50 Mbit/s
95th percentile per-packet one-way delay: 8.694 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 548.40 Mbit/s
95th percentile per-packet one-way delay: 9.215 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 402.46 Mbit/s
95th percentile per-packet one-way delay: 7.847 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 320.92 Mbit/s
95th percentile per-packet one-way delay: 7.994 ms
Loss rate: 0.08%
```

Run 1: Report of TCP Cubic — Data Link

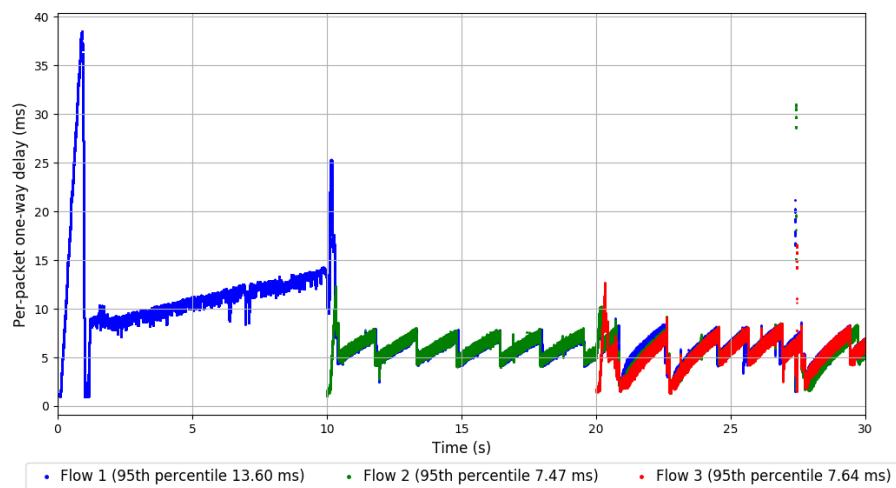
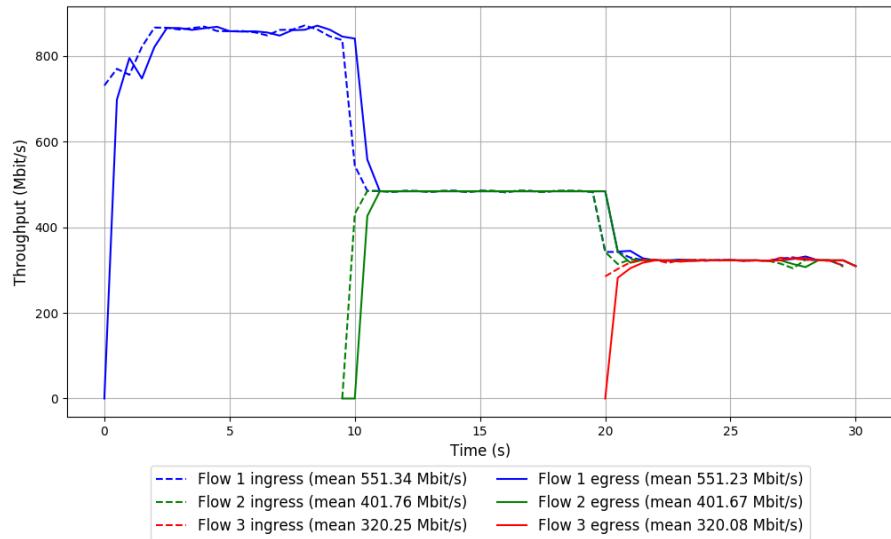


Run 2: Statistics of TCP Cubic

```
Start at: 2018-11-30 16:13:54
End at: 2018-11-30 16:14:24
Local clock offset: -0.207 ms
Remote clock offset: 0.259 ms

# Below is generated by plot.py at 2018-11-30 18:05:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 925.34 Mbit/s
95th percentile per-packet one-way delay: 12.962 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 551.23 Mbit/s
95th percentile per-packet one-way delay: 13.604 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 401.67 Mbit/s
95th percentile per-packet one-way delay: 7.469 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 320.08 Mbit/s
95th percentile per-packet one-way delay: 7.639 ms
Loss rate: 0.08%
```

Run 2: Report of TCP Cubic — Data Link

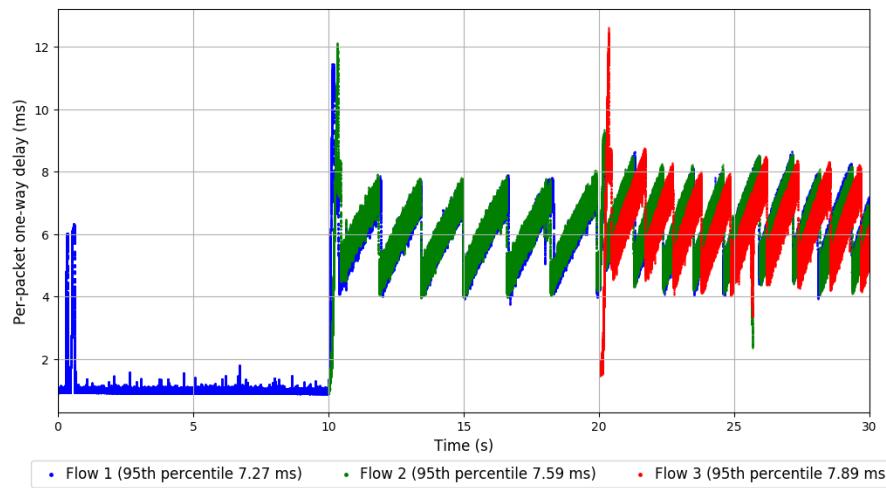
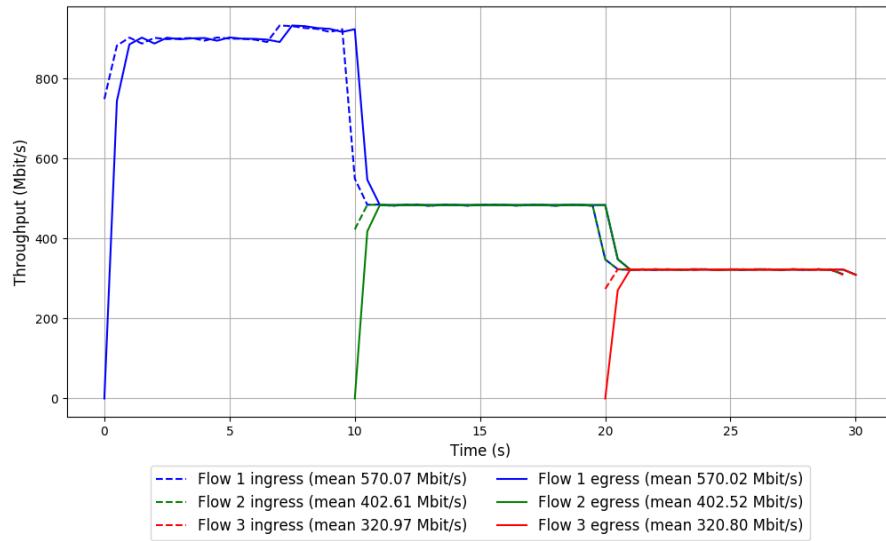


Run 3: Statistics of TCP Cubic

```
Start at: 2018-11-30 16:41:27
End at: 2018-11-30 16:41:57
Local clock offset: -0.262 ms
Remote clock offset: -1.456 ms

# Below is generated by plot.py at 2018-11-30 18:06:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 944.72 Mbit/s
95th percentile per-packet one-way delay: 7.496 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 570.02 Mbit/s
95th percentile per-packet one-way delay: 7.271 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 402.52 Mbit/s
95th percentile per-packet one-way delay: 7.594 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 320.80 Mbit/s
95th percentile per-packet one-way delay: 7.889 ms
Loss rate: 0.07%
```

Run 3: Report of TCP Cubic — Data Link

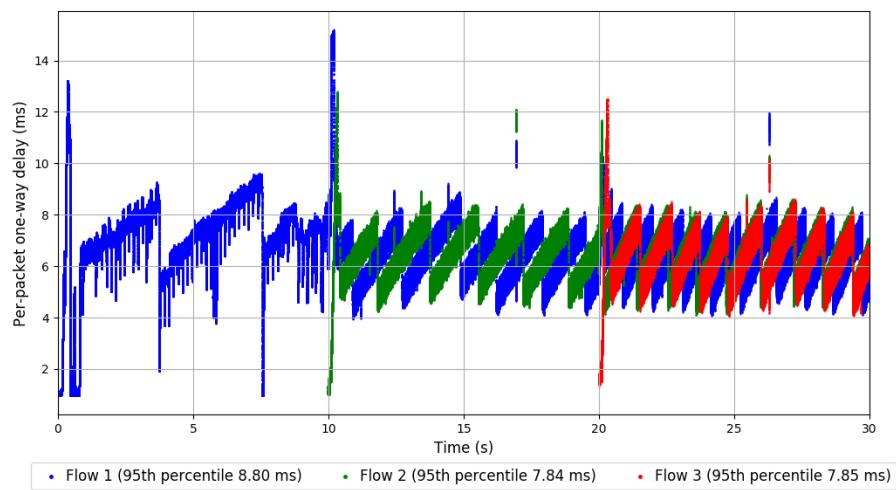
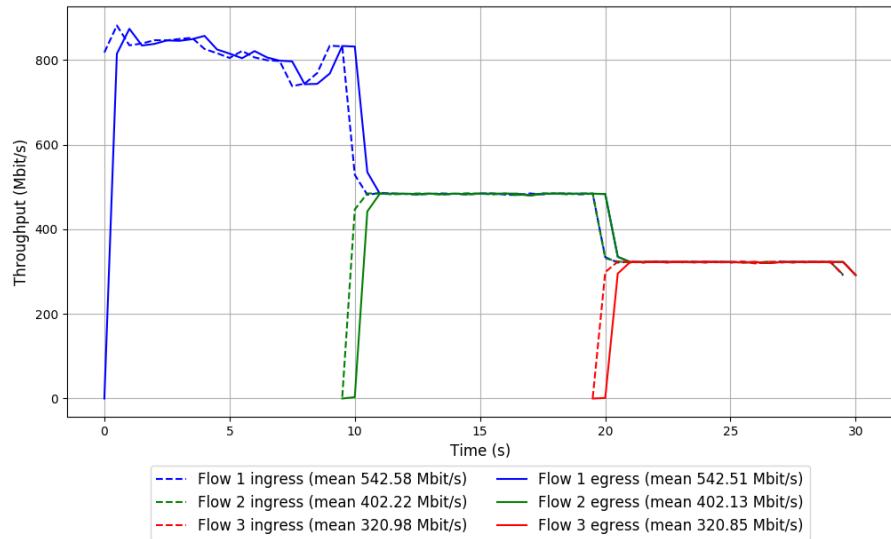


Run 4: Statistics of TCP Cubic

```
Start at: 2018-11-30 17:09:03
End at: 2018-11-30 17:09:33
Local clock offset: -0.31 ms
Remote clock offset: -4.284 ms

# Below is generated by plot.py at 2018-11-30 18:06:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 917.40 Mbit/s
95th percentile per-packet one-way delay: 8.473 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 542.51 Mbit/s
95th percentile per-packet one-way delay: 8.804 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 402.13 Mbit/s
95th percentile per-packet one-way delay: 7.839 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 320.85 Mbit/s
95th percentile per-packet one-way delay: 7.846 ms
Loss rate: 0.07%
```

Run 4: Report of TCP Cubic — Data Link

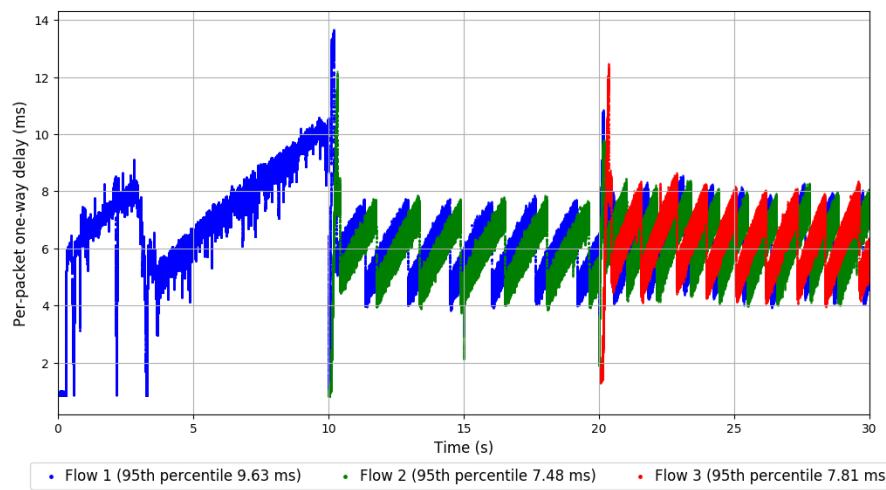
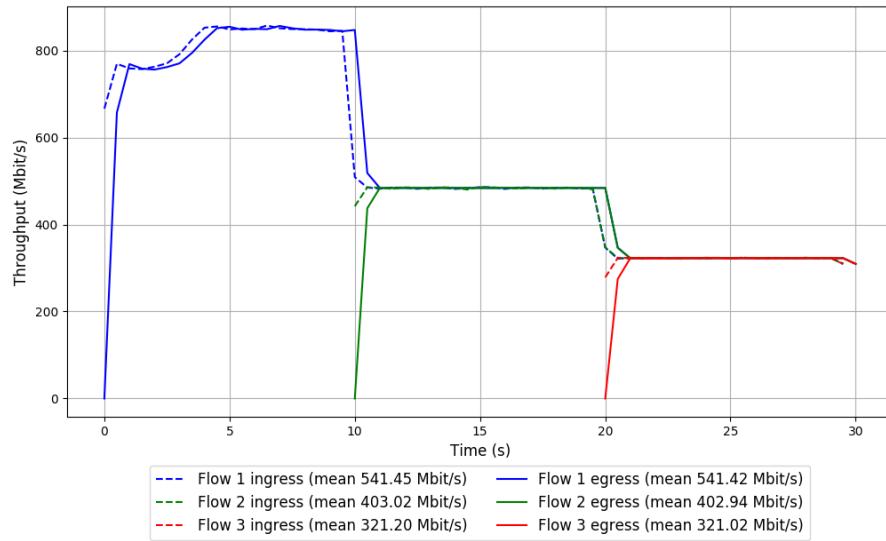


Run 5: Statistics of TCP Cubic

```
Start at: 2018-11-30 17:36:42
End at: 2018-11-30 17:37:12
Local clock offset: 3.316 ms
Remote clock offset: -3.576 ms

# Below is generated by plot.py at 2018-11-30 18:06:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 916.46 Mbit/s
95th percentile per-packet one-way delay: 9.180 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 541.42 Mbit/s
95th percentile per-packet one-way delay: 9.627 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 402.94 Mbit/s
95th percentile per-packet one-way delay: 7.478 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 321.02 Mbit/s
95th percentile per-packet one-way delay: 7.814 ms
Loss rate: 0.07%
```

Run 5: Report of TCP Cubic — Data Link

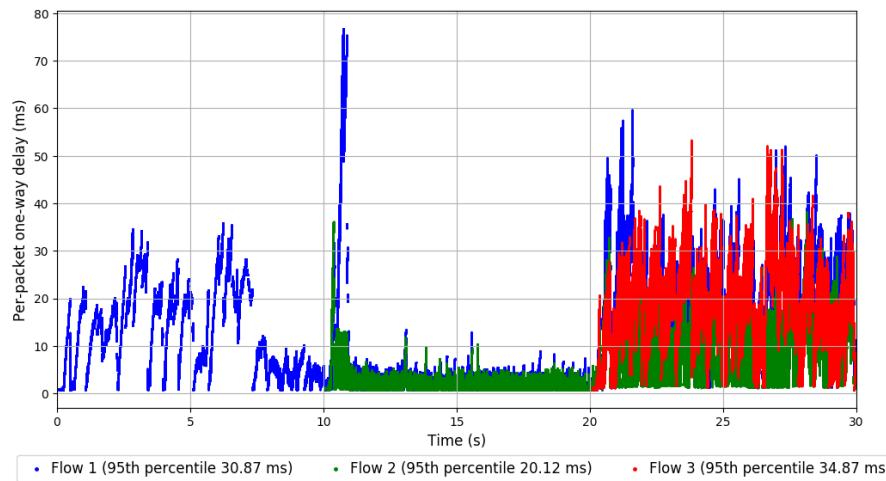
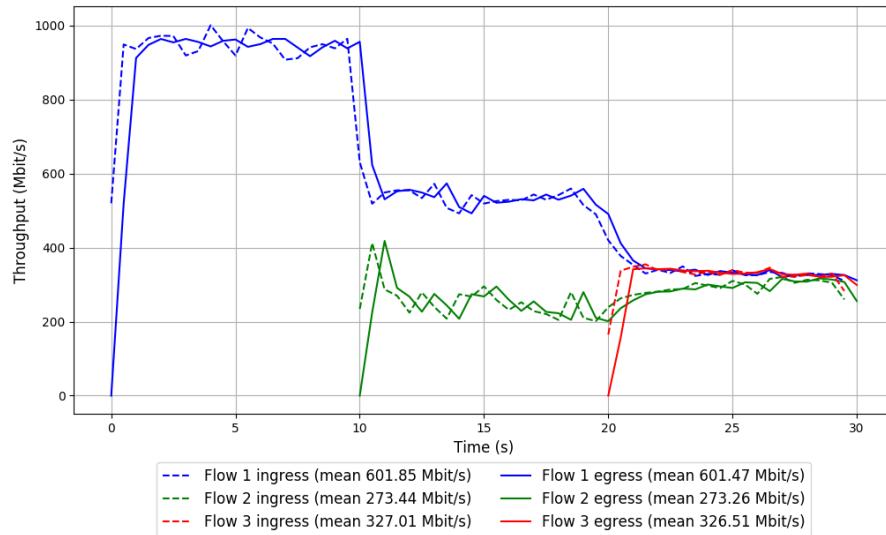


Run 1: Statistics of FillP

```
Start at: 2018-11-30 15:43:17
End at: 2018-11-30 15:43:47
Local clock offset: 3.909 ms
Remote clock offset: 0.82 ms

# Below is generated by plot.py at 2018-11-30 18:08:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 891.04 Mbit/s
95th percentile per-packet one-way delay: 30.595 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 601.47 Mbit/s
95th percentile per-packet one-way delay: 30.869 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 273.26 Mbit/s
95th percentile per-packet one-way delay: 20.123 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 326.51 Mbit/s
95th percentile per-packet one-way delay: 34.869 ms
Loss rate: 0.08%
```

Run 1: Report of FillP — Data Link

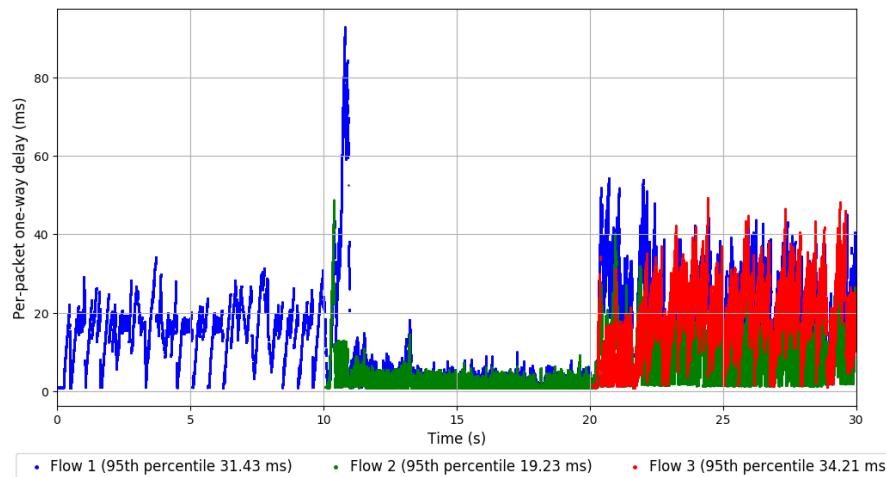
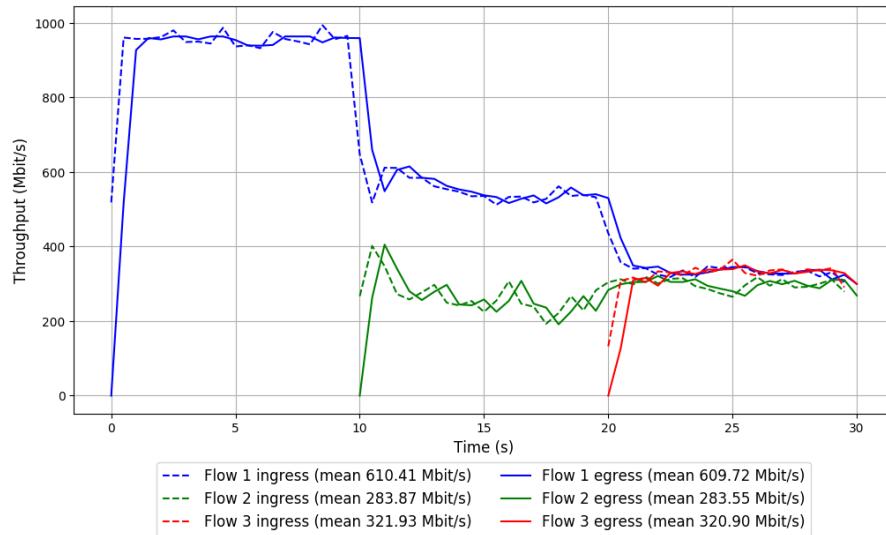


Run 2: Statistics of FillP

```
Start at: 2018-11-30 16:10:56
End at: 2018-11-30 16:11:26
Local clock offset: -0.097 ms
Remote clock offset: 0.46 ms

# Below is generated by plot.py at 2018-11-30 18:17:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 904.63 Mbit/s
95th percentile per-packet one-way delay: 30.850 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 609.72 Mbit/s
95th percentile per-packet one-way delay: 31.425 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 283.55 Mbit/s
95th percentile per-packet one-way delay: 19.225 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 320.90 Mbit/s
95th percentile per-packet one-way delay: 34.214 ms
Loss rate: 0.33%
```

Run 2: Report of FillP — Data Link

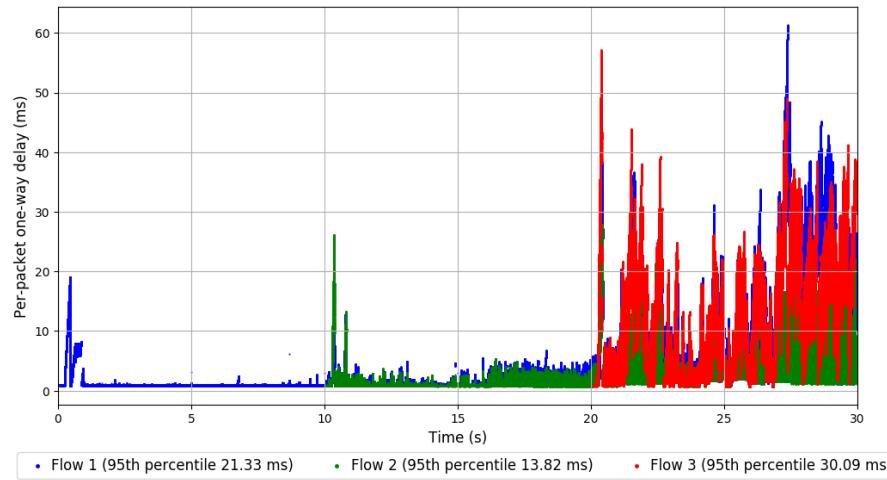
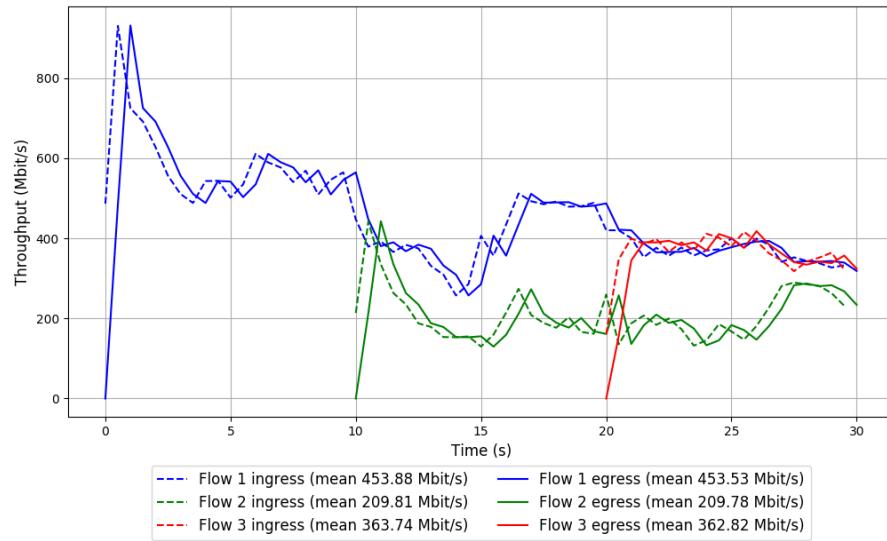


Run 3: Statistics of FillP

```
Start at: 2018-11-30 16:38:35
End at: 2018-11-30 16:39:05
Local clock offset: -0.239 ms
Remote clock offset: -0.601 ms

# Below is generated by plot.py at 2018-11-30 18:17:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 713.35 Mbit/s
95th percentile per-packet one-way delay: 23.330 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 453.53 Mbit/s
95th percentile per-packet one-way delay: 21.328 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 209.78 Mbit/s
95th percentile per-packet one-way delay: 13.823 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 362.82 Mbit/s
95th percentile per-packet one-way delay: 30.088 ms
Loss rate: 0.29%
```

Run 3: Report of FillP — Data Link

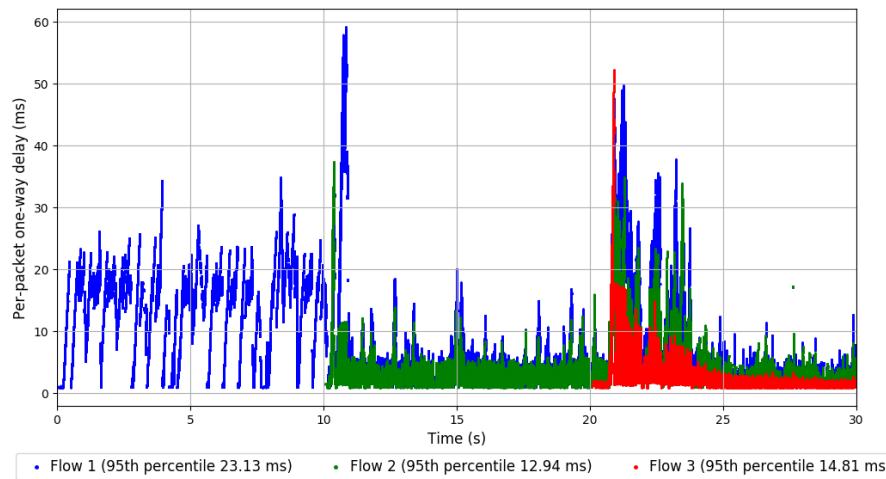
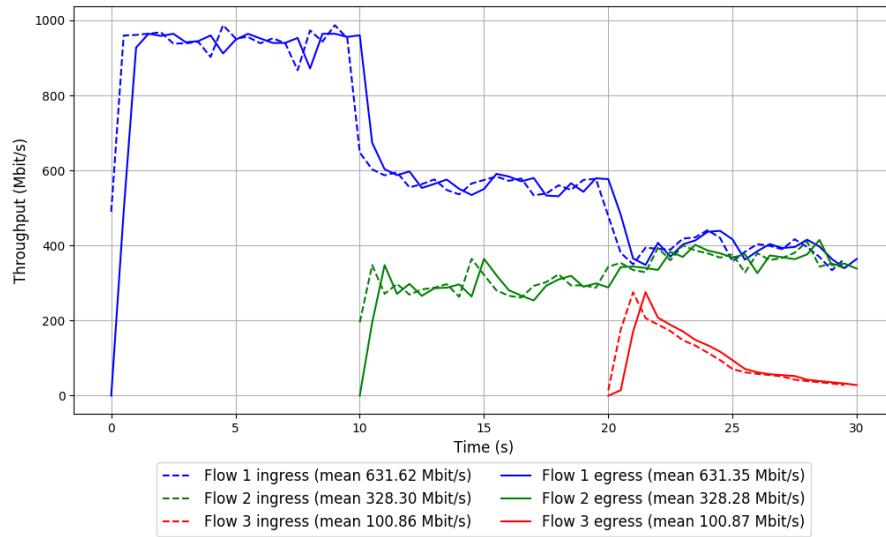


Run 4: Statistics of FillP

```
Start at: 2018-11-30 17:06:07
End at: 2018-11-30 17:06:37
Local clock offset: -0.304 ms
Remote clock offset: -4.131 ms

# Below is generated by plot.py at 2018-11-30 18:17:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 882.84 Mbit/s
95th percentile per-packet one-way delay: 22.136 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 631.35 Mbit/s
95th percentile per-packet one-way delay: 23.130 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 328.28 Mbit/s
95th percentile per-packet one-way delay: 12.935 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 100.87 Mbit/s
95th percentile per-packet one-way delay: 14.813 ms
Loss rate: 0.01%
```

Run 4: Report of FillP — Data Link

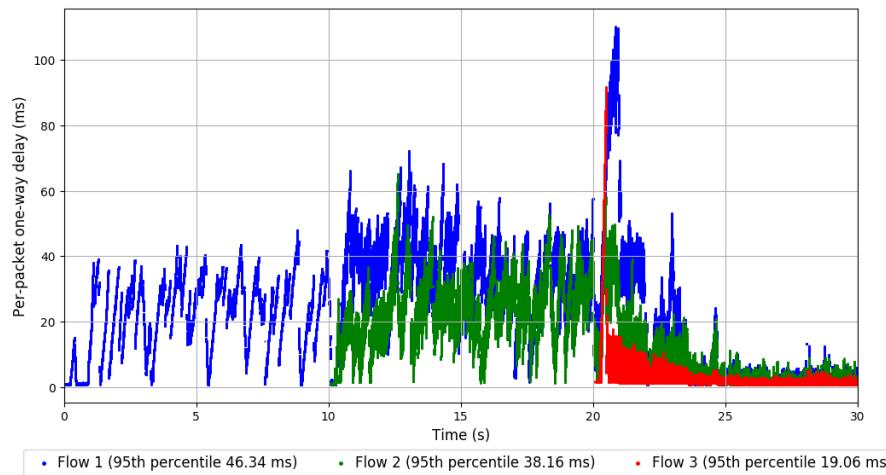
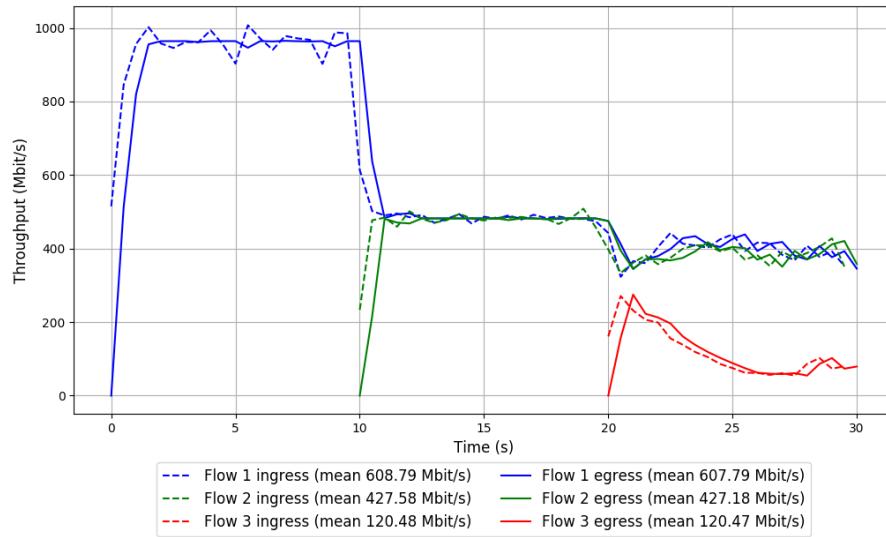


Run 5: Statistics of FillP

```
Start at: 2018-11-30 17:33:44
End at: 2018-11-30 17:34:14
Local clock offset: 3.096 ms
Remote clock offset: -3.647 ms

# Below is generated by plot.py at 2018-11-30 18:18:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 931.63 Mbit/s
95th percentile per-packet one-way delay: 44.137 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 607.79 Mbit/s
95th percentile per-packet one-way delay: 46.338 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 427.18 Mbit/s
95th percentile per-packet one-way delay: 38.156 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 120.47 Mbit/s
95th percentile per-packet one-way delay: 19.064 ms
Loss rate: 0.02%
```

Run 5: Report of FillP — Data Link

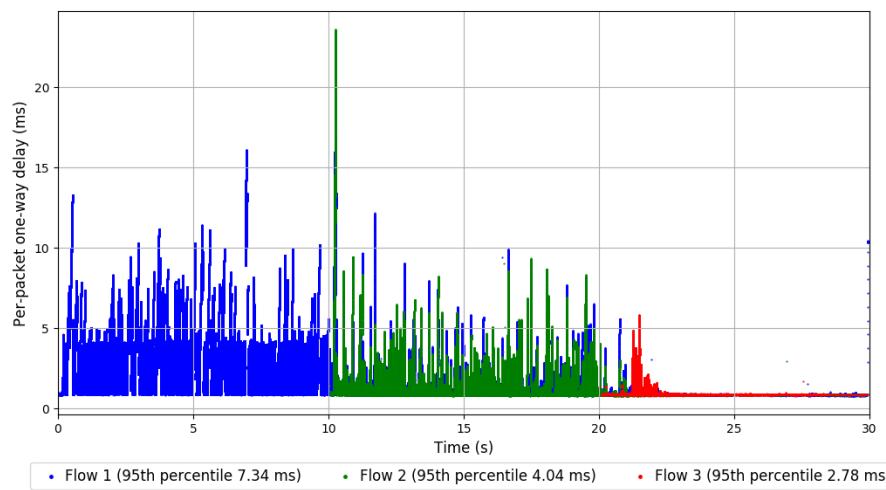
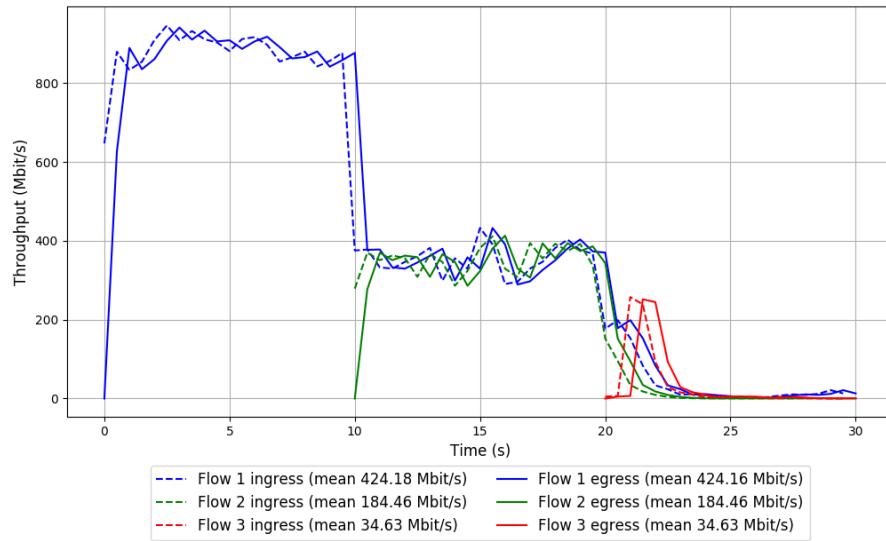


Run 1: Statistics of FillP-Sheep

```
Start at: 2018-11-30 15:21:49
End at: 2018-11-30 15:22:19
Local clock offset: 1.92 ms
Remote clock offset: 0.973 ms

# Below is generated by plot.py at 2018-11-30 18:18:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 558.19 Mbit/s
95th percentile per-packet one-way delay: 6.975 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 424.16 Mbit/s
95th percentile per-packet one-way delay: 7.338 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 184.46 Mbit/s
95th percentile per-packet one-way delay: 4.039 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 2.781 ms
Loss rate: 0.00%
```

Run 1: Report of FillP-Sheep — Data Link

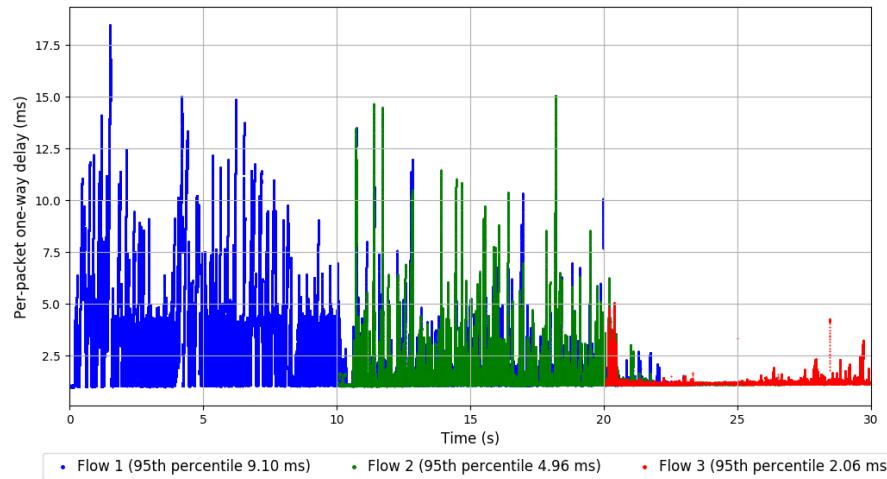
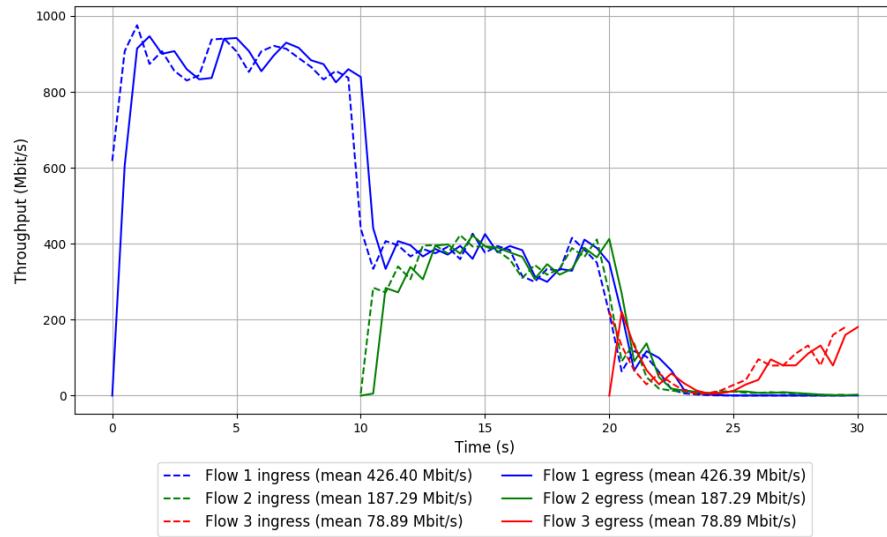


Run 2: Statistics of FillP-Sheep

```
Start at: 2018-11-30 15:49:41
End at: 2018-11-30 15:50:11
Local clock offset: 2.213 ms
Remote clock offset: 0.994 ms

# Below is generated by plot.py at 2018-11-30 18:18:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 577.02 Mbit/s
95th percentile per-packet one-way delay: 8.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 426.39 Mbit/s
95th percentile per-packet one-way delay: 9.098 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 187.29 Mbit/s
95th percentile per-packet one-way delay: 4.956 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 78.89 Mbit/s
95th percentile per-packet one-way delay: 2.055 ms
Loss rate: 0.00%
```

Run 2: Report of FillP-Sheep — Data Link

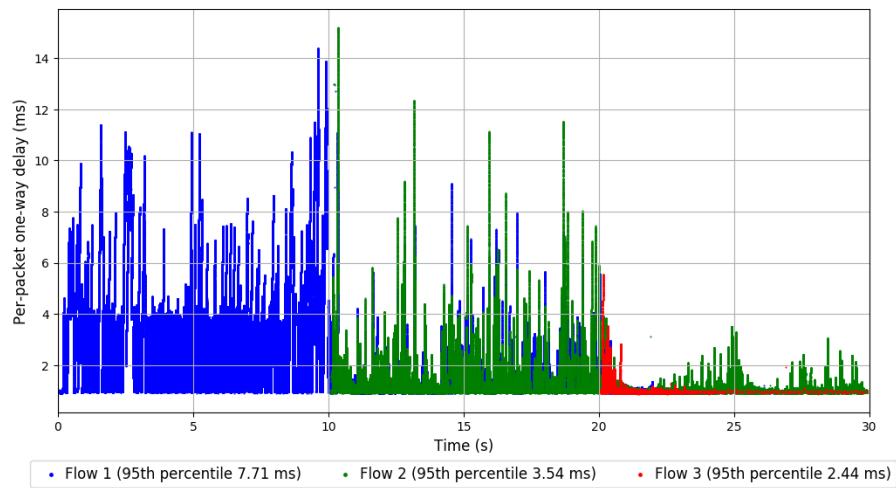
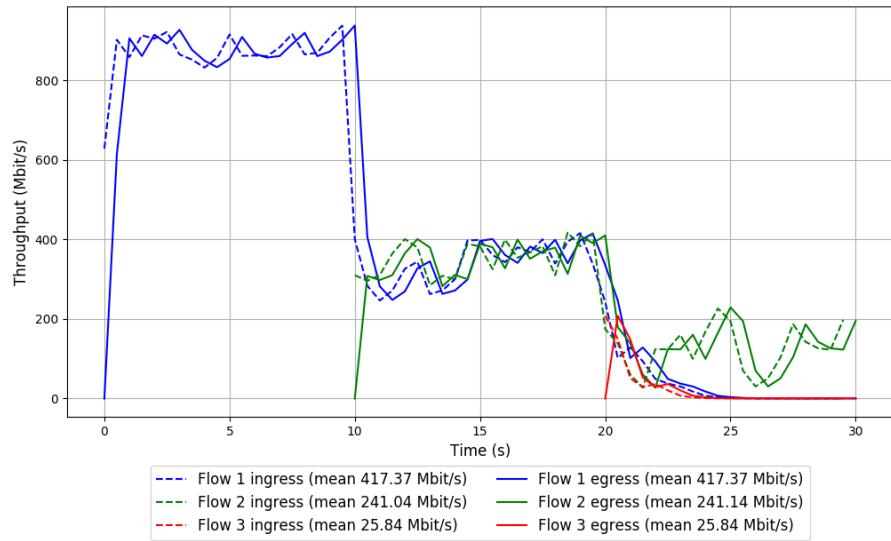


Run 3: Statistics of FillP-Sheep

```
Start at: 2018-11-30 16:17:22
End at: 2018-11-30 16:17:52
Local clock offset: -0.198 ms
Remote clock offset: 0.147 ms

# Below is generated by plot.py at 2018-11-30 18:18:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 586.28 Mbit/s
95th percentile per-packet one-way delay: 7.079 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 417.37 Mbit/s
95th percentile per-packet one-way delay: 7.715 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 241.14 Mbit/s
95th percentile per-packet one-way delay: 3.535 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 25.84 Mbit/s
95th percentile per-packet one-way delay: 2.443 ms
Loss rate: 0.00%
```

Run 3: Report of FillP-Sheep — Data Link

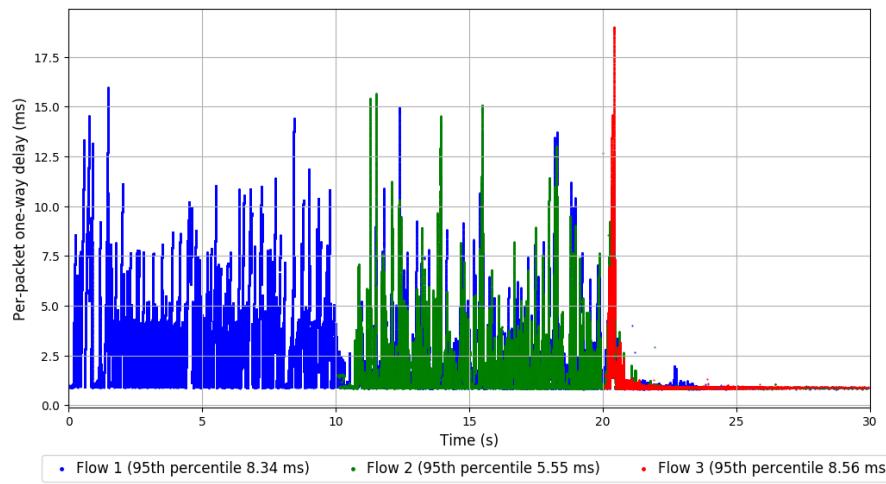
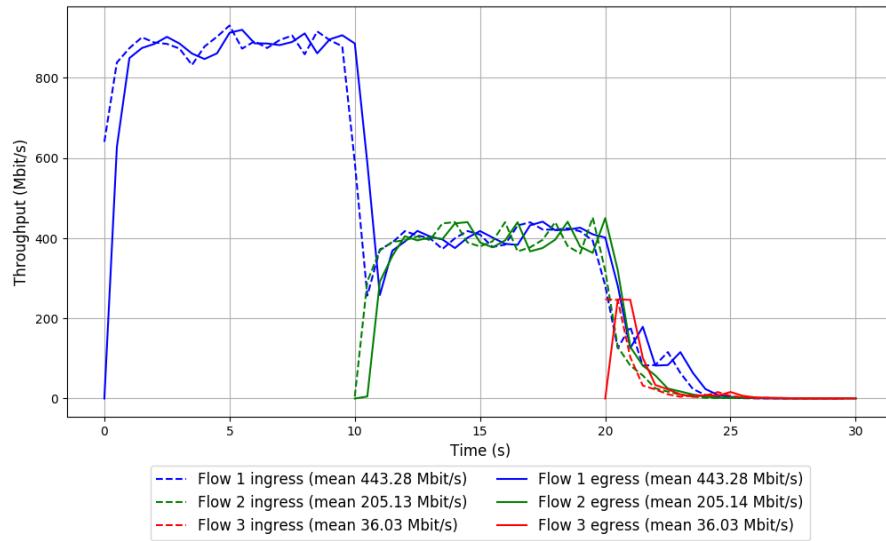


Run 4: Statistics of FillP-Sheep

```
Start at: 2018-11-30 16:44:53
End at: 2018-11-30 16:45:23
Local clock offset: -0.279 ms
Remote clock offset: -2.199 ms

# Below is generated by plot.py at 2018-11-30 18:18:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 591.47 Mbit/s
95th percentile per-packet one-way delay: 7.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 443.28 Mbit/s
95th percentile per-packet one-way delay: 8.341 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 205.14 Mbit/s
95th percentile per-packet one-way delay: 5.550 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 8.559 ms
Loss rate: 0.00%
```

Run 4: Report of FillP-Sheep — Data Link

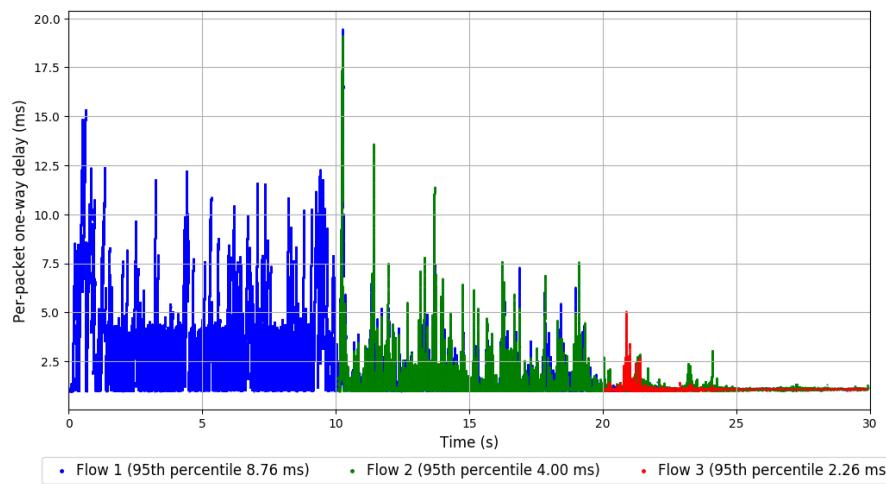
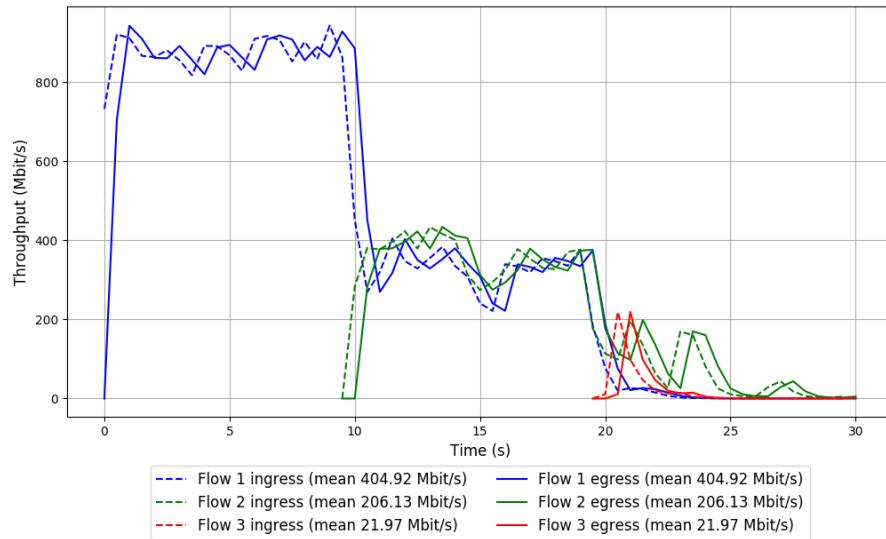


Run 5: Statistics of FillP-Sheep

```
Start at: 2018-11-30 17:12:29
End at: 2018-11-30 17:13:00
Local clock offset: -0.338 ms
Remote clock offset: -4.196 ms

# Below is generated by plot.py at 2018-11-30 18:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 549.24 Mbit/s
95th percentile per-packet one-way delay: 8.134 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 404.92 Mbit/s
95th percentile per-packet one-way delay: 8.757 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 206.13 Mbit/s
95th percentile per-packet one-way delay: 3.995 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.97 Mbit/s
95th percentile per-packet one-way delay: 2.260 ms
Loss rate: 0.00%
```

Run 5: Report of FillP-Sheep — Data Link

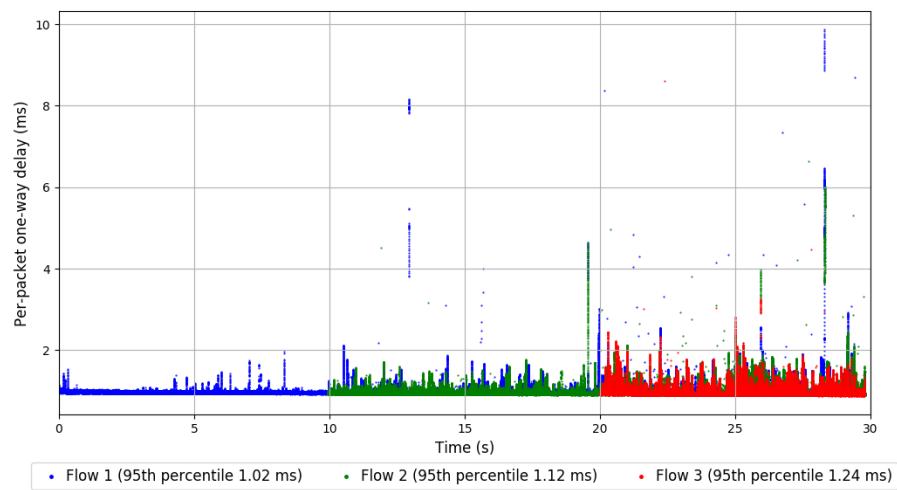
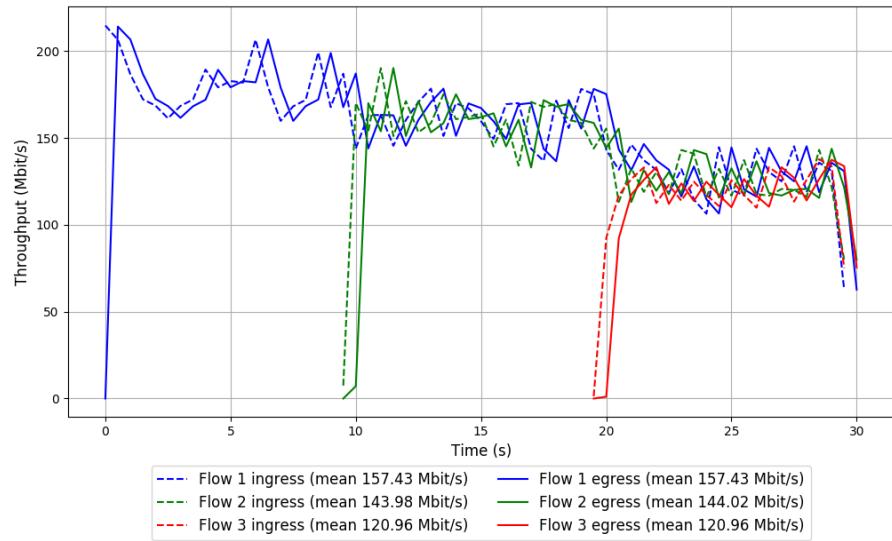


Run 1: Statistics of Indigo

```
Start at: 2018-11-30 15:34:29
End at: 2018-11-30 15:34:59
Local clock offset: 3.355 ms
Remote clock offset: 0.812 ms

# Below is generated by plot.py at 2018-11-30 18:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.19 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 157.43 Mbit/s
95th percentile per-packet one-way delay: 1.023 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 144.02 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 120.96 Mbit/s
95th percentile per-packet one-way delay: 1.237 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

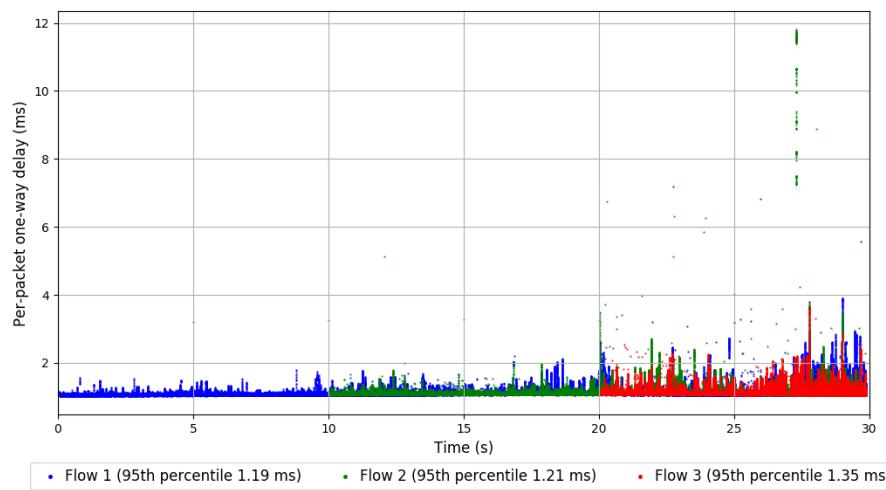
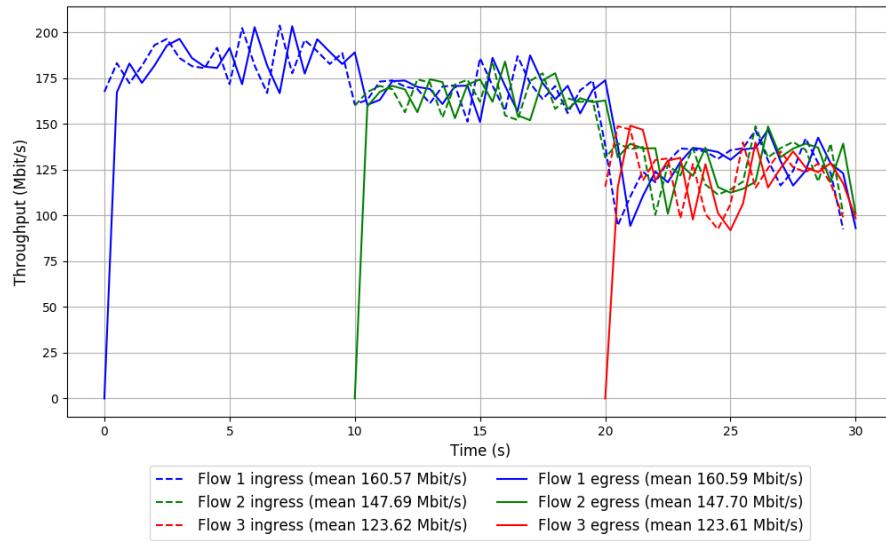


Run 2: Statistics of Indigo

```
Start at: 2018-11-30 16:02:12
End at: 2018-11-30 16:02:42
Local clock offset: 0.331 ms
Remote clock offset: 1.368 ms

# Below is generated by plot.py at 2018-11-30 18:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 299.39 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 160.59 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 147.70 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 123.61 Mbit/s
95th percentile per-packet one-way delay: 1.351 ms
Loss rate: 0.02%
```

Run 2: Report of Indigo — Data Link

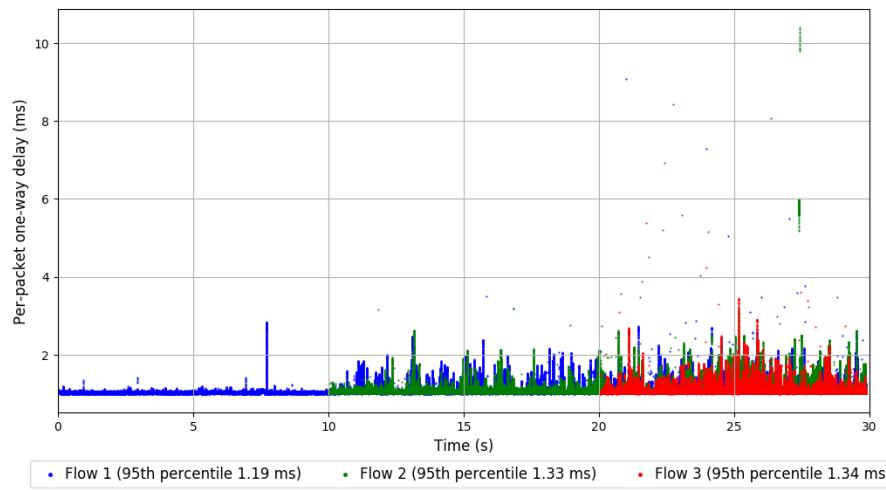
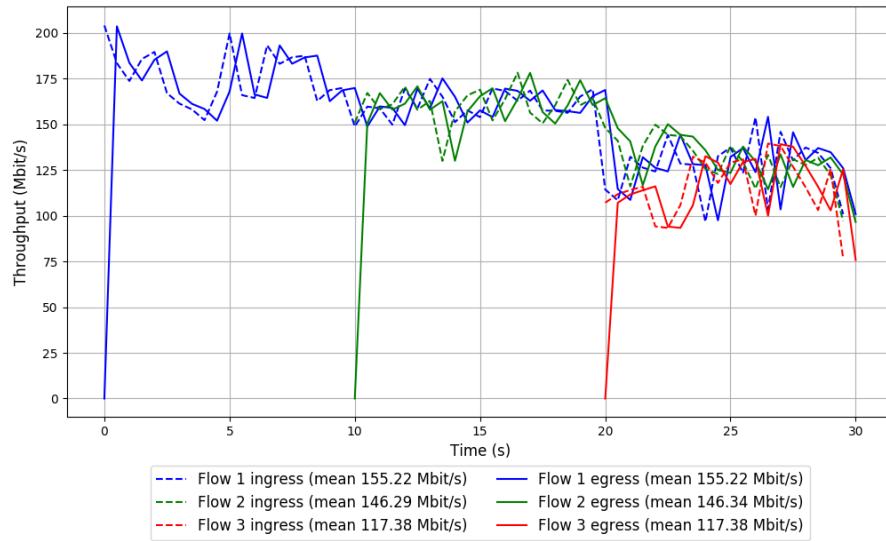


Run 3: Statistics of Indigo

```
Start at: 2018-11-30 16:29:56
End at: 2018-11-30 16:30:26
Local clock offset: -0.174 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-11-30 18:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 291.12 Mbit/s
95th percentile per-packet one-way delay: 1.269 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 155.22 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 146.34 Mbit/s
95th percentile per-packet one-way delay: 1.329 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 117.38 Mbit/s
95th percentile per-packet one-way delay: 1.345 ms
Loss rate: 0.05%
```

Run 3: Report of Indigo — Data Link

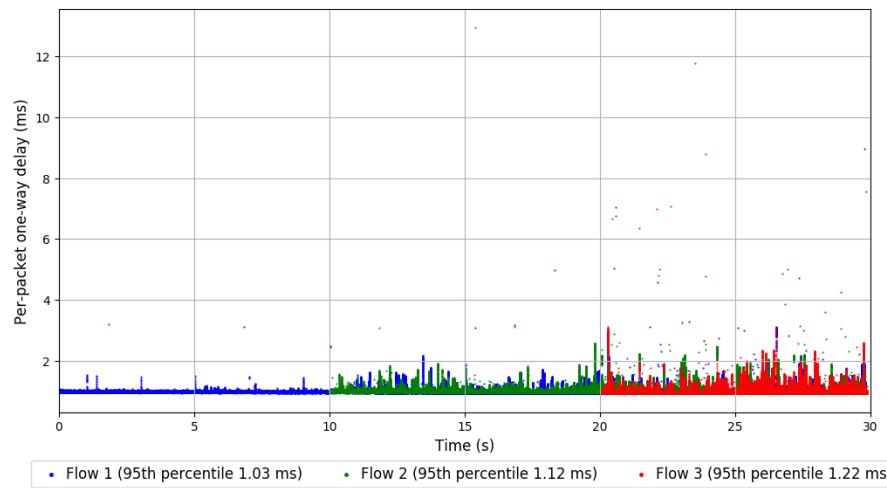
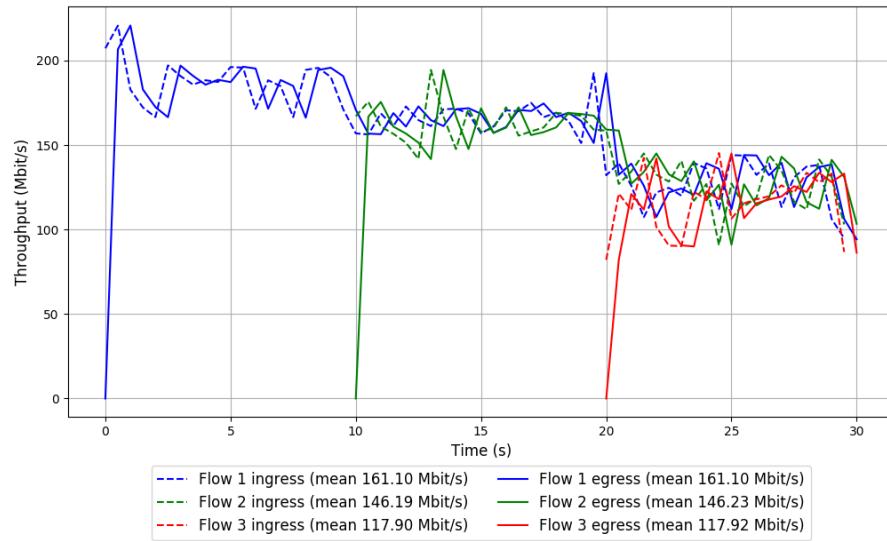


Run 4: Statistics of Indigo

```
Start at: 2018-11-30 16:57:22
End at: 2018-11-30 16:57:52
Local clock offset: -0.257 ms
Remote clock offset: -3.624 ms

# Below is generated by plot.py at 2018-11-30 18:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 297.05 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 161.10 Mbit/s
95th percentile per-packet one-way delay: 1.027 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 146.23 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 117.92 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.03%
```

Run 4: Report of Indigo — Data Link

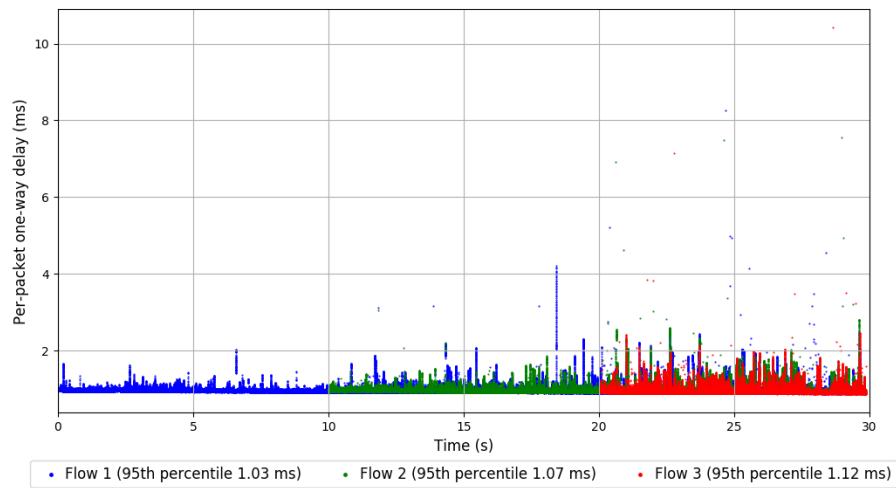
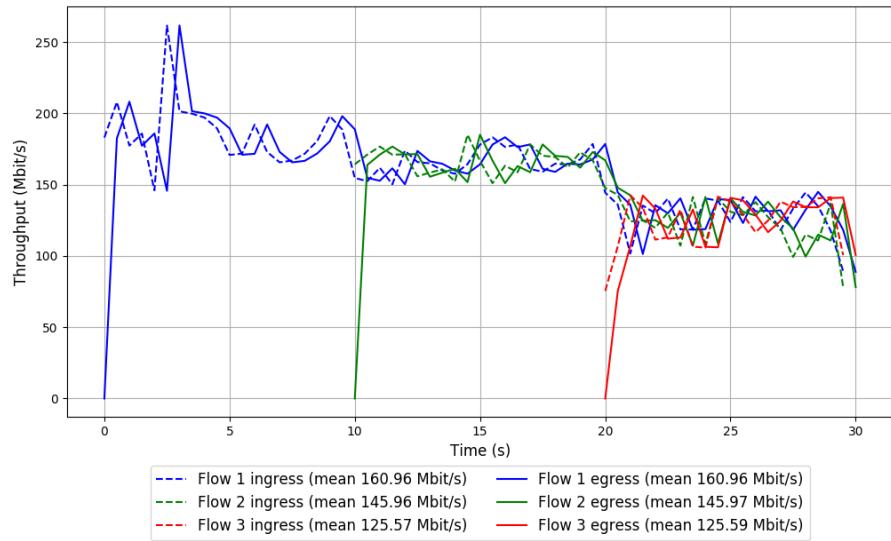


Run 5: Statistics of Indigo

```
Start at: 2018-11-30 17:25:00
End at: 2018-11-30 17:25:30
Local clock offset: 2.183 ms
Remote clock offset: -3.664 ms

# Below is generated by plot.py at 2018-11-30 18:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 299.30 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 160.96 Mbit/s
95th percentile per-packet one-way delay: 1.029 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 145.97 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 125.59 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo — Data Link

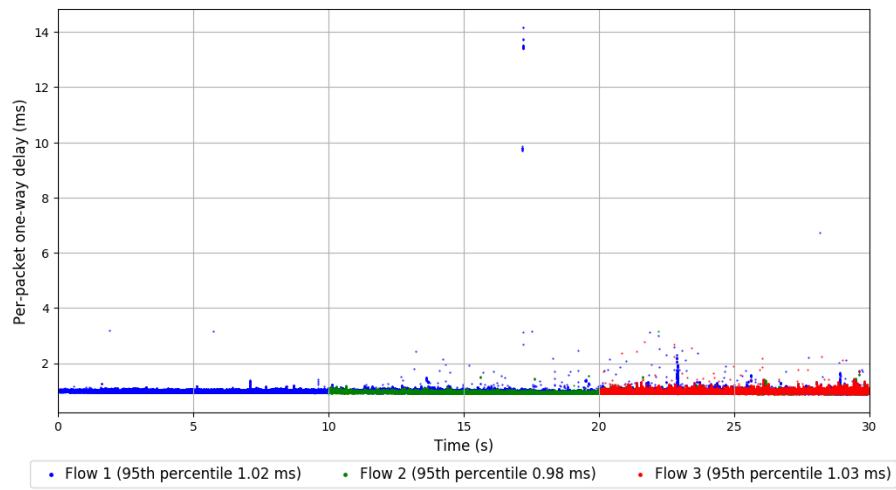
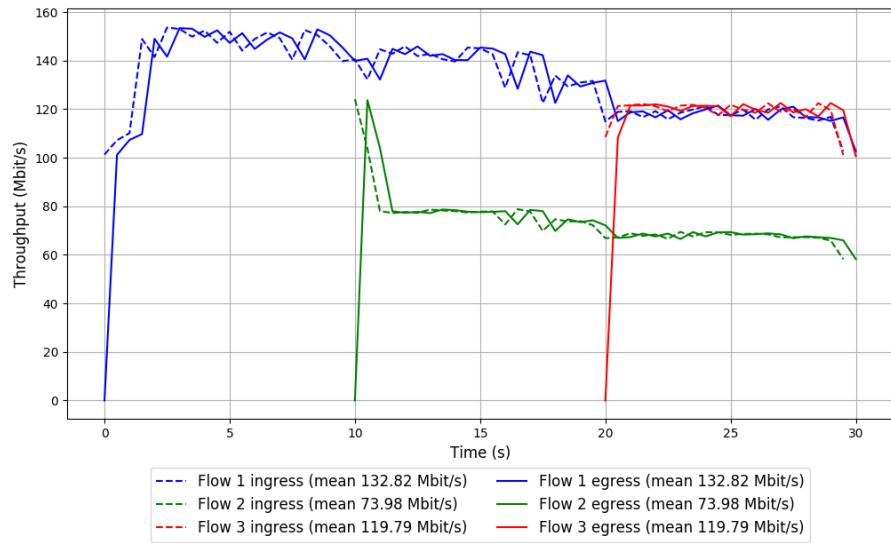


```
Run 1: Statistics of Indigo-96d2da3
```

```
Start at: 2018-11-30 15:33:07
End at: 2018-11-30 15:33:37
Local clock offset: 3.255 ms
Remote clock offset: 0.858 ms

# Below is generated by plot.py at 2018-11-30 18:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 221.76 Mbit/s
95th percentile per-packet one-way delay: 1.019 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 132.82 Mbit/s
95th percentile per-packet one-way delay: 1.022 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 73.98 Mbit/s
95th percentile per-packet one-way delay: 0.985 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 119.79 Mbit/s
95th percentile per-packet one-way delay: 1.035 ms
Loss rate: 0.02%
```

Run 1: Report of Indigo-96d2da3 — Data Link

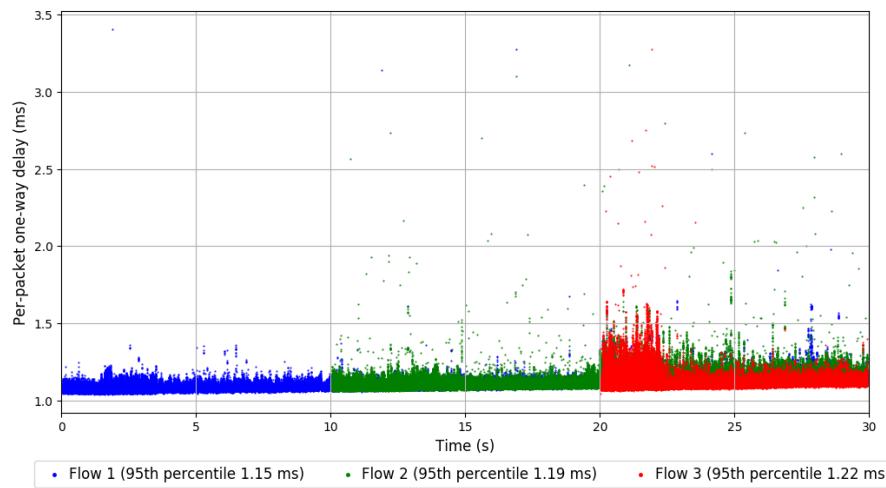
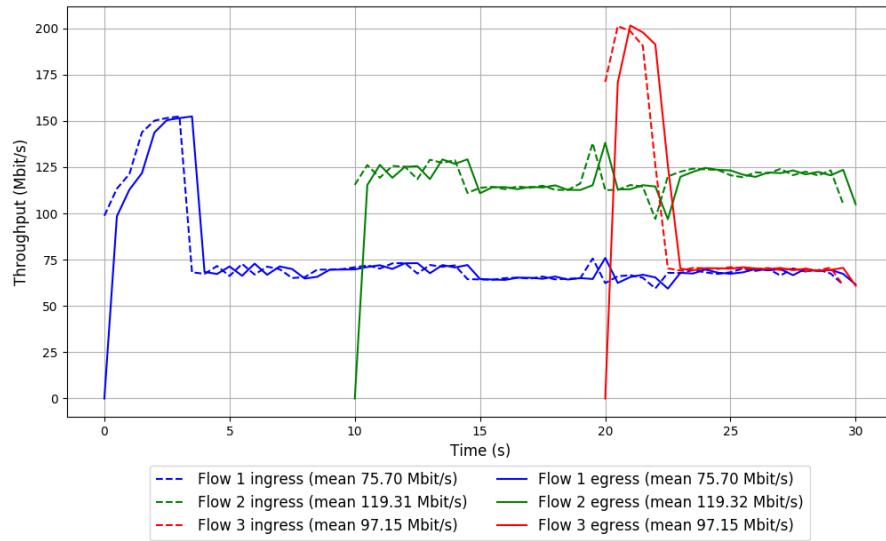


Run 2: Statistics of Indigo-96d2da3

```
Start at: 2018-11-30 16:00:52
End at: 2018-11-30 16:01:22
Local clock offset: 0.421 ms
Remote clock offset: 1.284 ms

# Below is generated by plot.py at 2018-11-30 18:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 187.34 Mbit/s
95th percentile per-packet one-way delay: 1.182 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 75.70 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 119.32 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.01%
```

Run 2: Report of Indigo-96d2da3 — Data Link

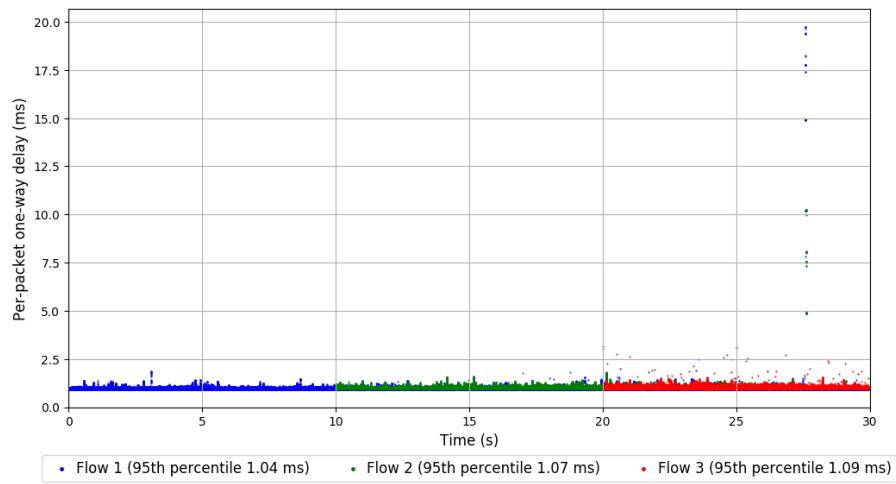
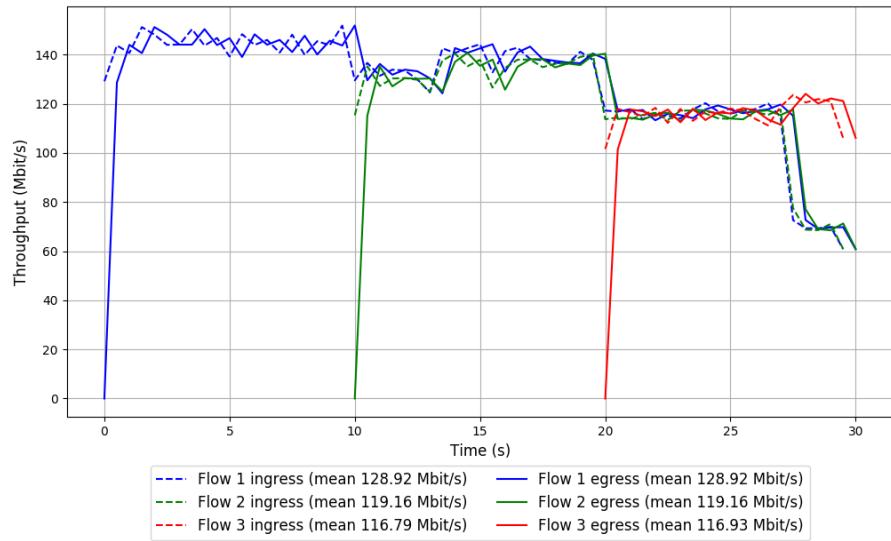


Run 3: Statistics of Indigo-96d2da3

```
Start at: 2018-11-30 16:28:34
End at: 2018-11-30 16:29:04
Local clock offset: -0.168 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-11-30 18:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 246.95 Mbit/s
95th percentile per-packet one-way delay: 1.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 128.92 Mbit/s
95th percentile per-packet one-way delay: 1.036 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.16 Mbit/s
95th percentile per-packet one-way delay: 1.069 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.93 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-96d2da3 — Data Link

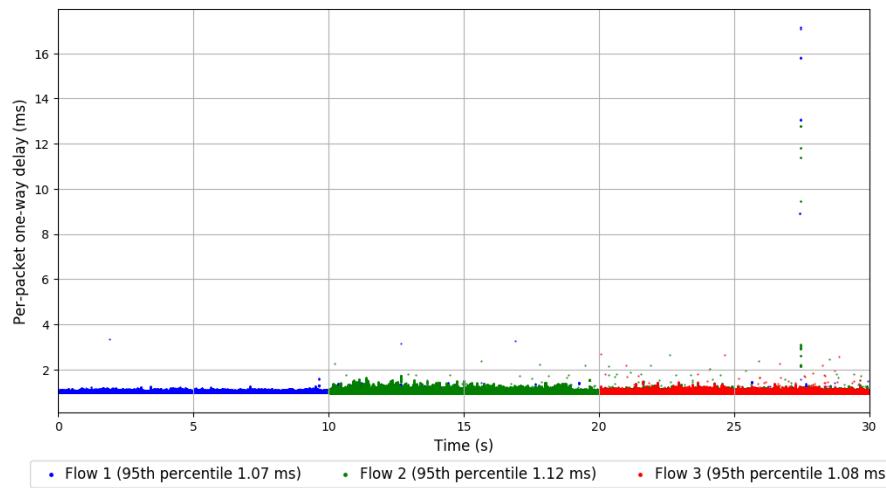
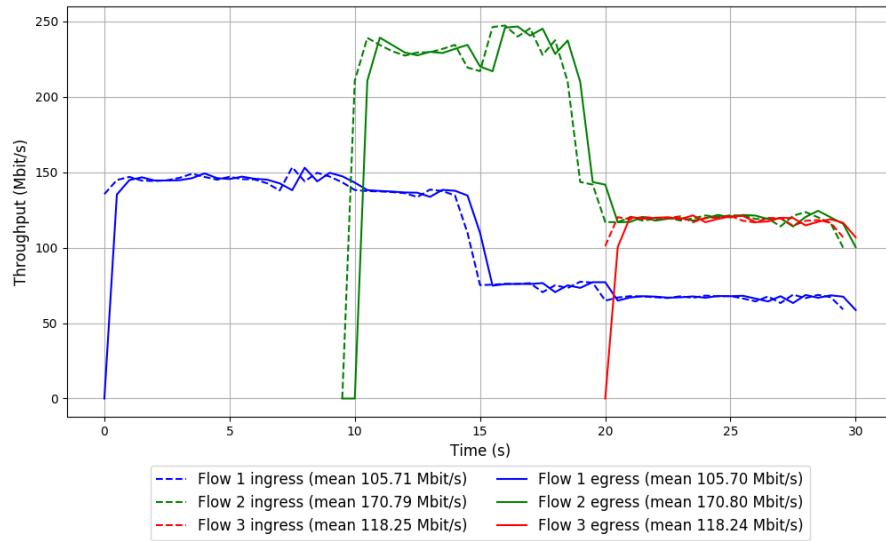


Run 4: Statistics of Indigo-96d2da3

```
Start at: 2018-11-30 16:55:59
End at: 2018-11-30 16:56:29
Local clock offset: -0.25 ms
Remote clock offset: -3.543 ms

# Below is generated by plot.py at 2018-11-30 18:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 258.64 Mbit/s
95th percentile per-packet one-way delay: 1.095 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 105.70 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 170.80 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 118.24 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo-96d2da3 — Data Link

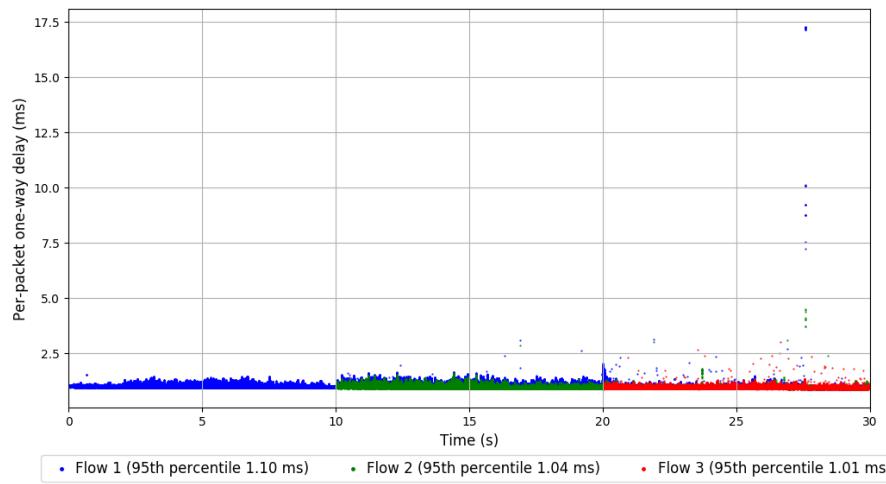
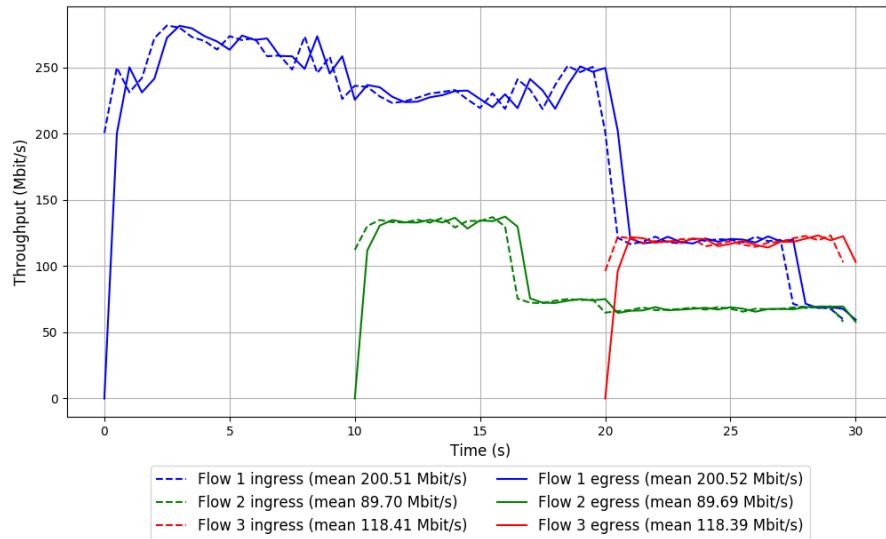


Run 5: Statistics of Indigo-96d2da3

```
Start at: 2018-11-30 17:23:36
End at: 2018-11-30 17:24:06
Local clock offset: 1.976 ms
Remote clock offset: -3.69 ms

# Below is generated by plot.py at 2018-11-30 18:22:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 299.34 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 200.52 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 89.69 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 118.39 Mbit/s
95th percentile per-packet one-way delay: 1.007 ms
Loss rate: 0.02%
```

Run 5: Report of Indigo-96d2da3 — Data Link

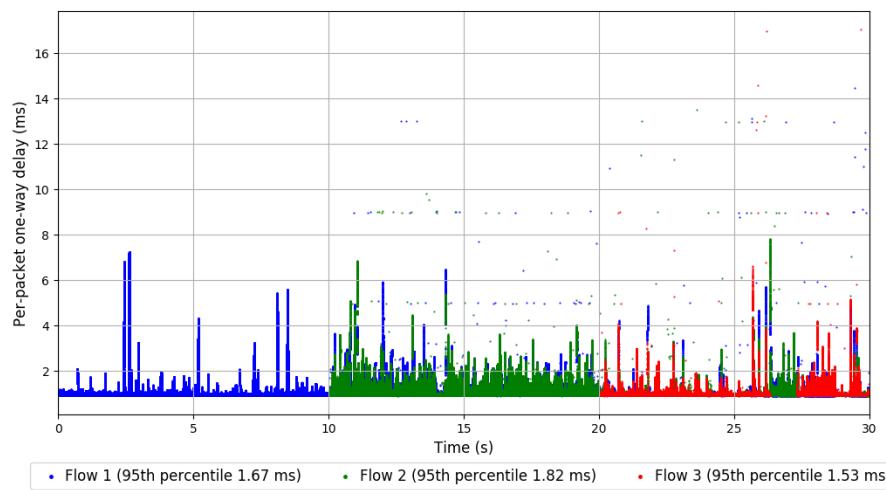
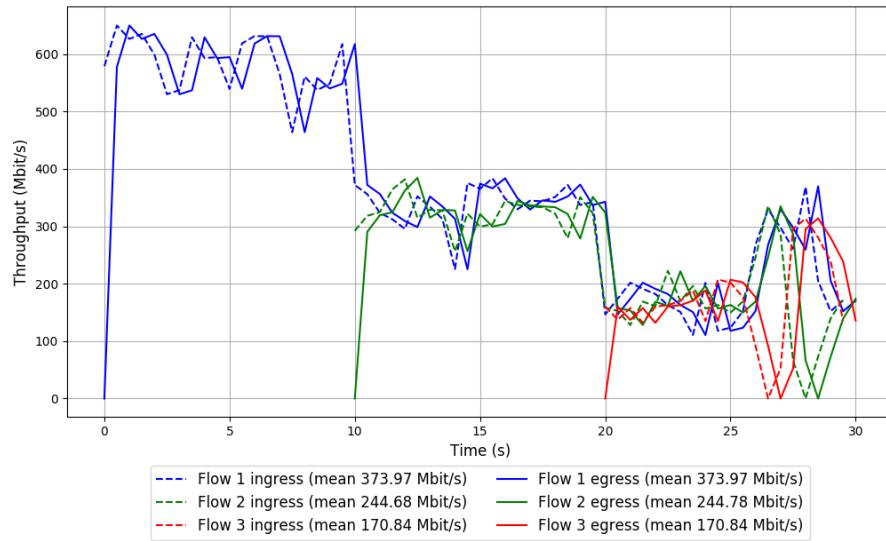


Run 1: Statistics of LEDBAT

```
Start at: 2018-11-30 15:37:30
End at: 2018-11-30 15:38:00
Local clock offset: 3.572 ms
Remote clock offset: 0.748 ms

# Below is generated by plot.py at 2018-11-30 18:26:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 593.56 Mbit/s
95th percentile per-packet one-way delay: 1.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 373.97 Mbit/s
95th percentile per-packet one-way delay: 1.671 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 244.78 Mbit/s
95th percentile per-packet one-way delay: 1.822 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 170.84 Mbit/s
95th percentile per-packet one-way delay: 1.533 ms
Loss rate: 0.02%
```

Run 1: Report of LEDBAT — Data Link

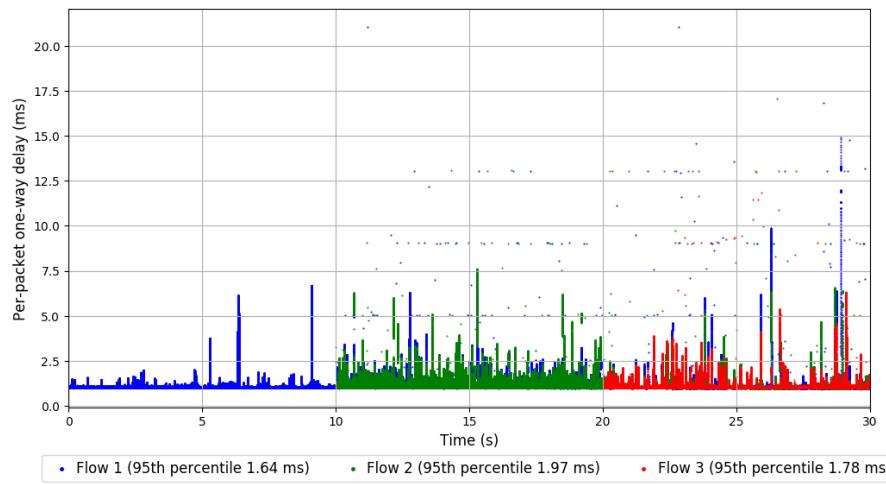
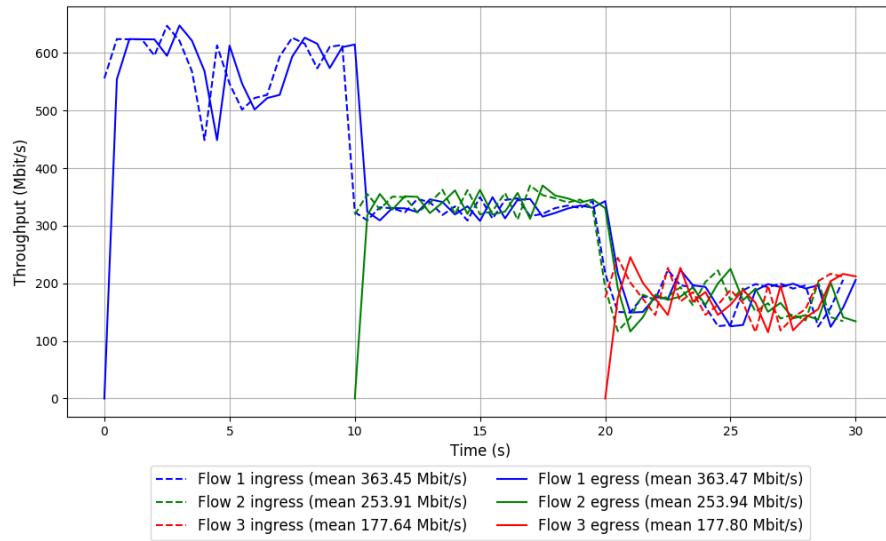


Run 2: Statistics of LEDBAT

```
Start at: 2018-11-30 16:05:10
End at: 2018-11-30 16:05:40
Local clock offset: 0.142 ms
Remote clock offset: 0.95 ms

# Below is generated by plot.py at 2018-11-30 18:26:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 591.60 Mbit/s
95th percentile per-packet one-way delay: 1.762 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 363.47 Mbit/s
95th percentile per-packet one-way delay: 1.641 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 253.94 Mbit/s
95th percentile per-packet one-way delay: 1.965 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 177.80 Mbit/s
95th percentile per-packet one-way delay: 1.776 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

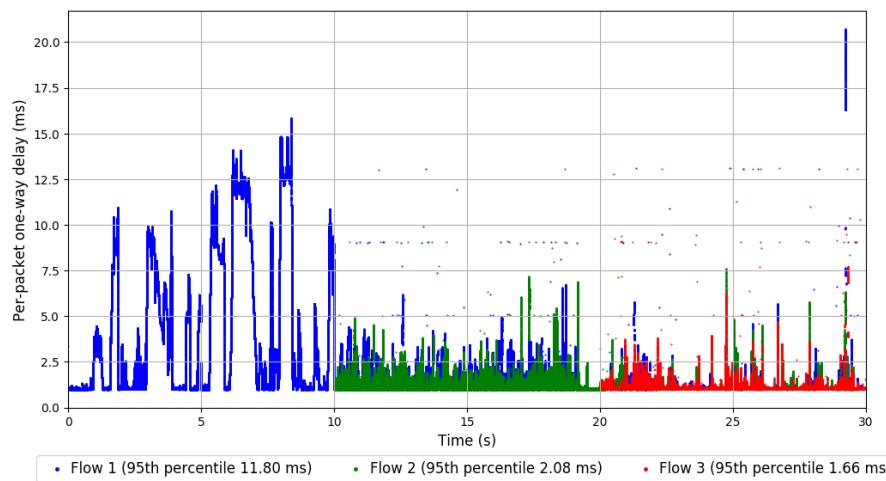
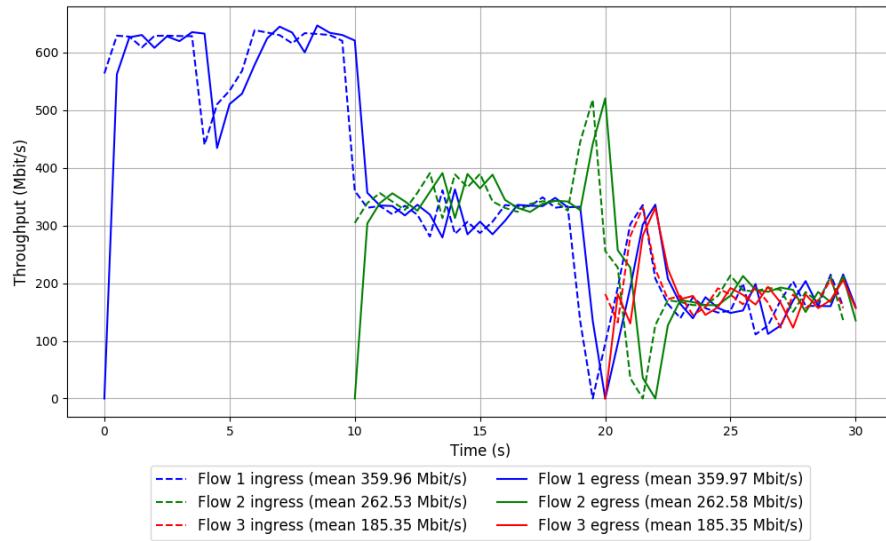


Run 3: Statistics of LEDBAT

```
Start at: 2018-11-30 16:32:55
End at: 2018-11-30 16:33:25
Local clock offset: -0.194 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-11-30 18:27:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 596.34 Mbit/s
95th percentile per-packet one-way delay: 9.689 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 359.97 Mbit/s
95th percentile per-packet one-way delay: 11.800 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 262.58 Mbit/s
95th percentile per-packet one-way delay: 2.081 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 185.35 Mbit/s
95th percentile per-packet one-way delay: 1.662 ms
Loss rate: 0.01%
```

Run 3: Report of LEDBAT — Data Link

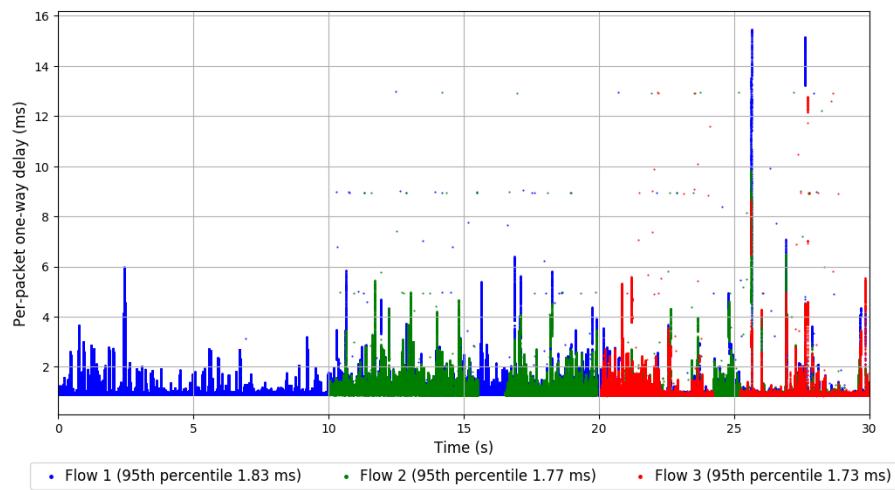
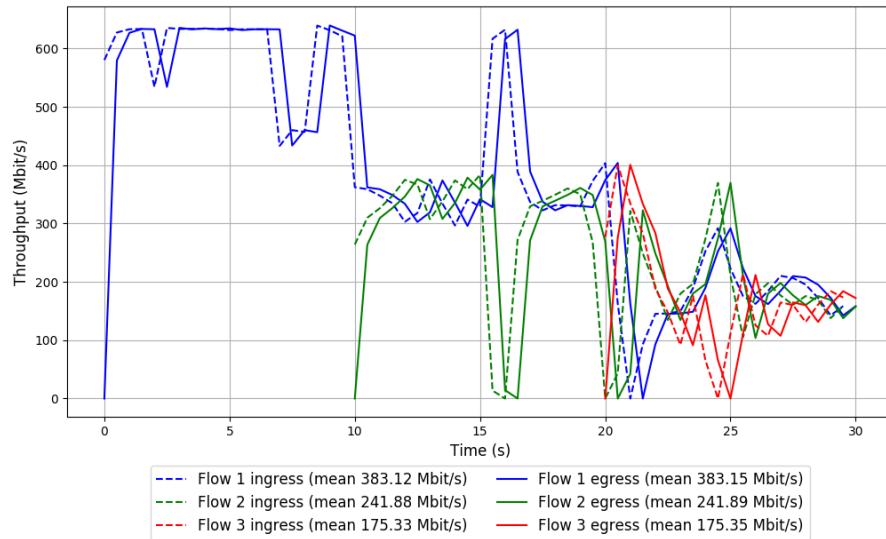


Run 4: Statistics of LEDBAT

```
Start at: 2018-11-30 17:00:22
End at: 2018-11-30 17:00:52
Local clock offset: -0.272 ms
Remote clock offset: -3.758 ms

# Below is generated by plot.py at 2018-11-30 18:27:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 602.56 Mbit/s
95th percentile per-packet one-way delay: 1.807 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 383.15 Mbit/s
95th percentile per-packet one-way delay: 1.829 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 241.89 Mbit/s
95th percentile per-packet one-way delay: 1.774 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 175.35 Mbit/s
95th percentile per-packet one-way delay: 1.727 ms
Loss rate: 0.04%
```

Run 4: Report of LEDBAT — Data Link

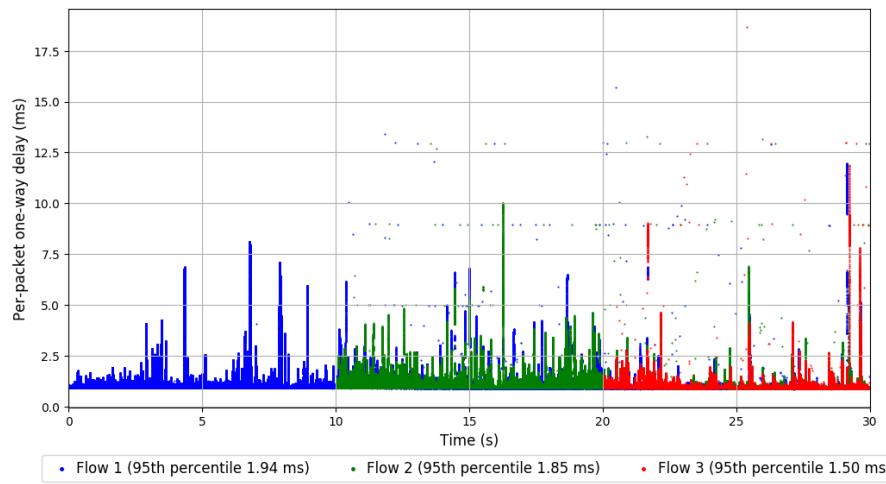
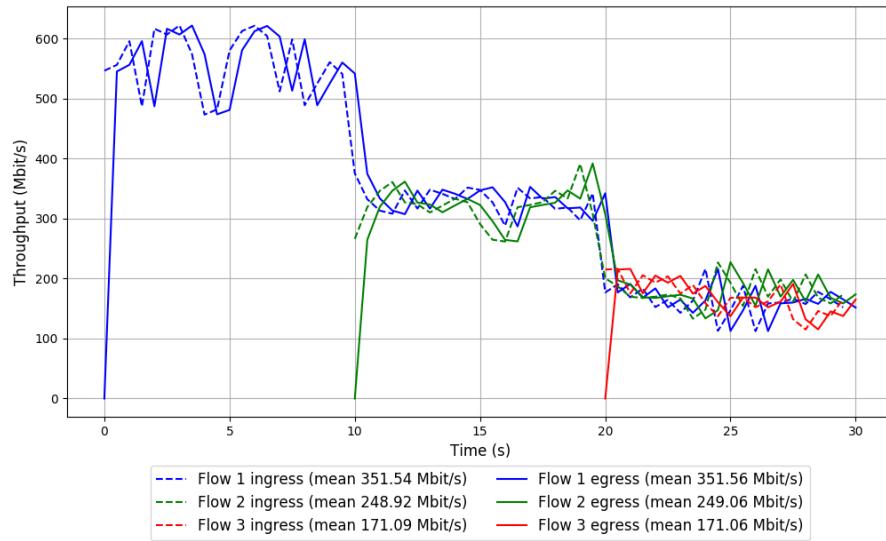


Run 5: Statistics of LEDBAT

```
Start at: 2018-11-30 17:27:58
End at: 2018-11-30 17:28:28
Local clock offset: 2.566 ms
Remote clock offset: -3.629 ms

# Below is generated by plot.py at 2018-11-30 18:27:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 574.13 Mbit/s
95th percentile per-packet one-way delay: 1.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 351.56 Mbit/s
95th percentile per-packet one-way delay: 1.936 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 249.06 Mbit/s
95th percentile per-packet one-way delay: 1.847 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 171.06 Mbit/s
95th percentile per-packet one-way delay: 1.501 ms
Loss rate: 0.03%
```

Run 5: Report of LEDBAT — Data Link

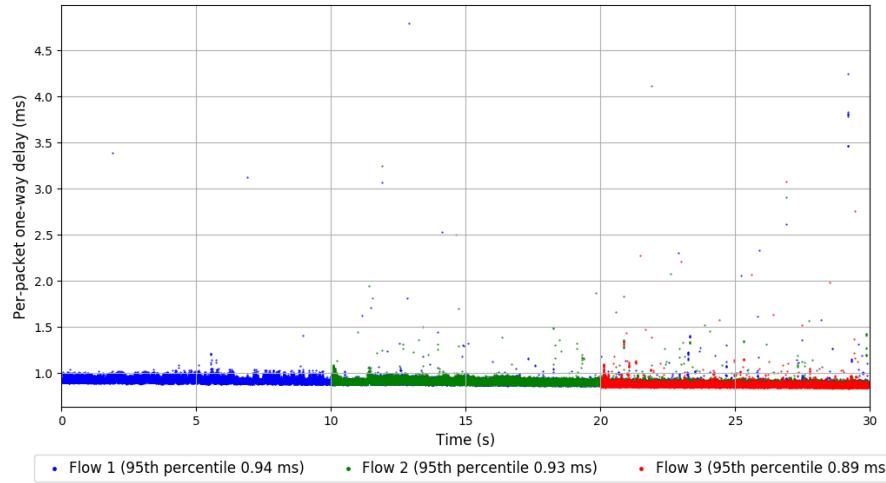
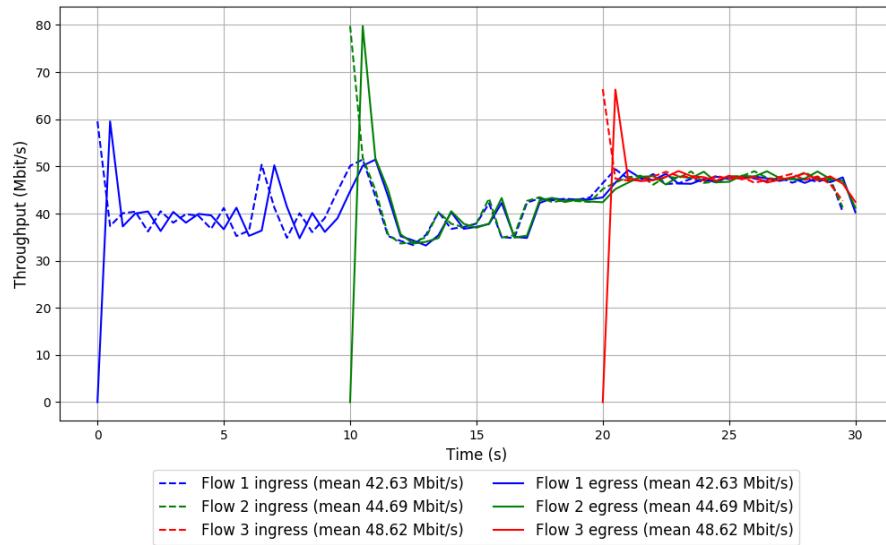


Run 1: Statistics of Indigo-Muses

```
Start at: 2018-11-30 15:24:38
End at: 2018-11-30 15:25:08
Local clock offset: 2.359 ms
Remote clock offset: 1.115 ms

# Below is generated by plot.py at 2018-11-30 18:27:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 0.936 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 42.63 Mbit/s
95th percentile per-packet one-way delay: 0.945 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 44.69 Mbit/s
95th percentile per-packet one-way delay: 0.929 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 48.62 Mbit/s
95th percentile per-packet one-way delay: 0.894 ms
Loss rate: 0.02%
```

Run 1: Report of Indigo-Muses — Data Link

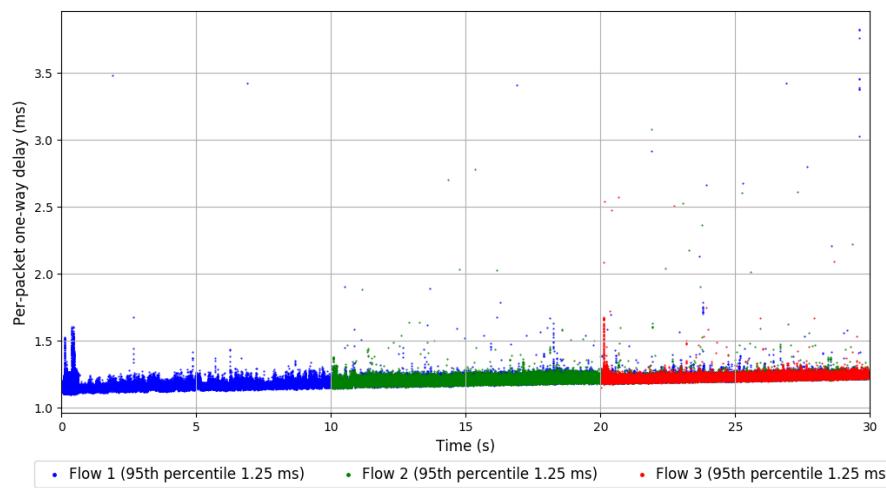
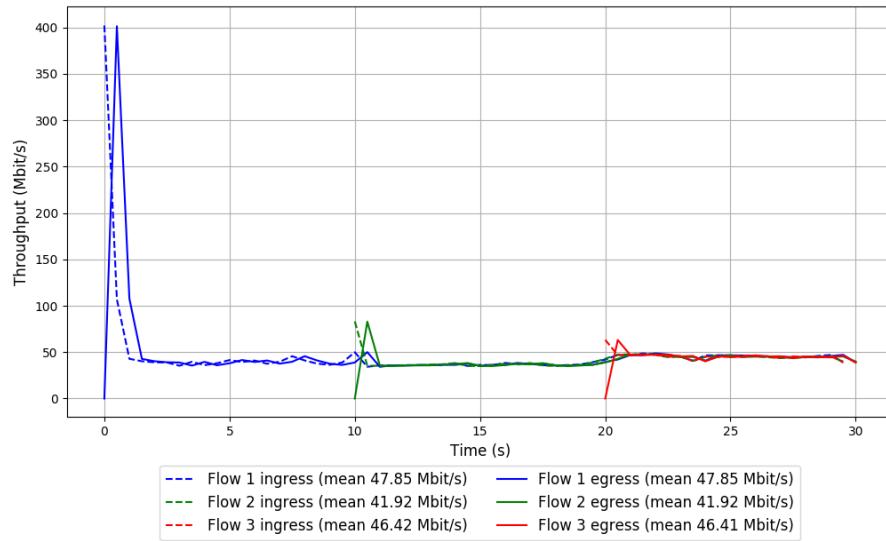


Run 2: Statistics of Indigo-Muses

```
Start at: 2018-11-30 15:52:24
End at: 2018-11-30 15:52:54
Local clock offset: 1.578 ms
Remote clock offset: 0.983 ms

# Below is generated by plot.py at 2018-11-30 18:27:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 47.85 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 41.92 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.02%
```

Run 2: Report of Indigo-Muses — Data Link

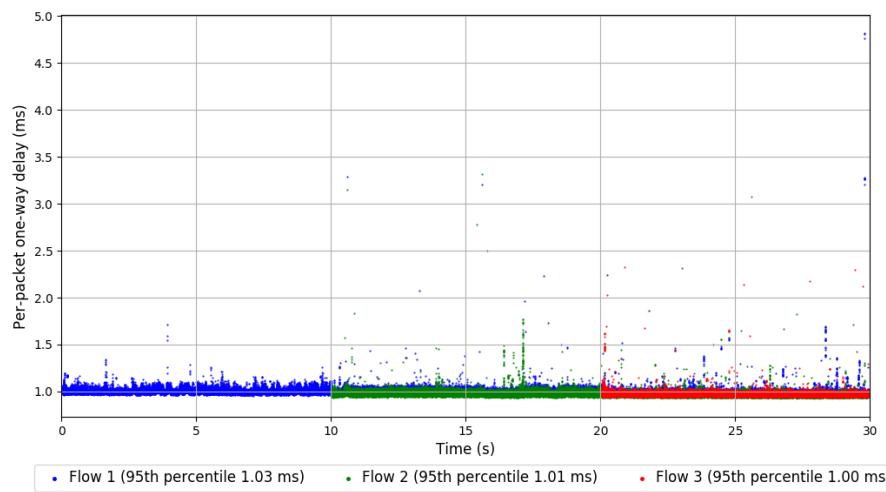
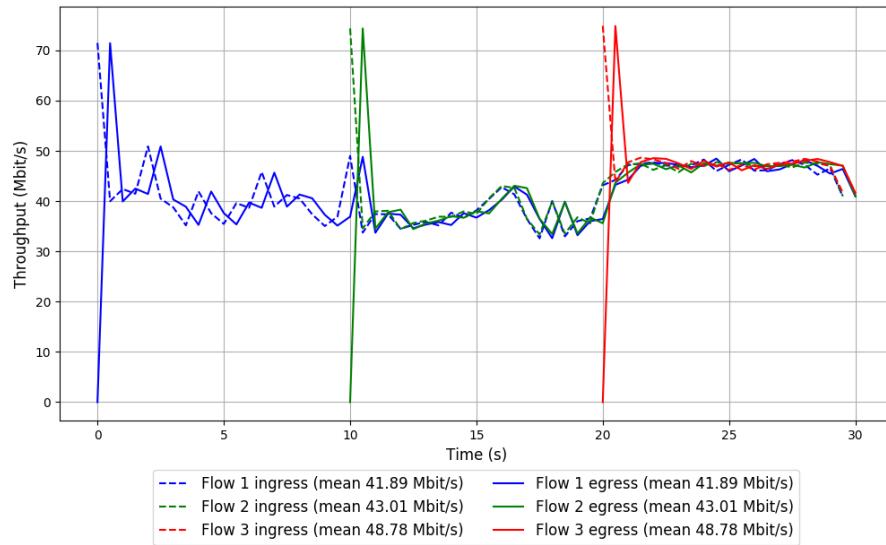


Run 3: Statistics of Indigo-Muses

```
Start at: 2018-11-30 16:20:12
End at: 2018-11-30 16:20:42
Local clock offset: -0.165 ms
Remote clock offset: 0.094 ms

# Below is generated by plot.py at 2018-11-30 18:27:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 1.025 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 41.89 Mbit/s
95th percentile per-packet one-way delay: 1.035 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.01 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 48.78 Mbit/s
95th percentile per-packet one-way delay: 0.998 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo-Muses — Data Link

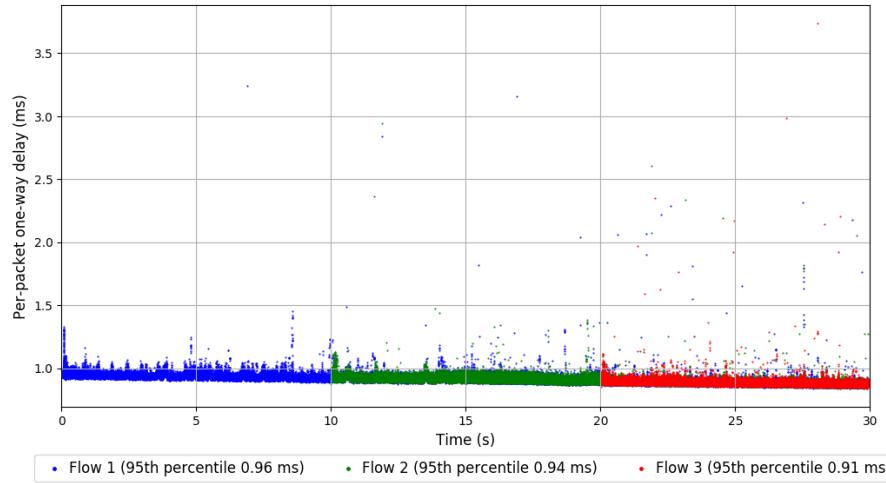
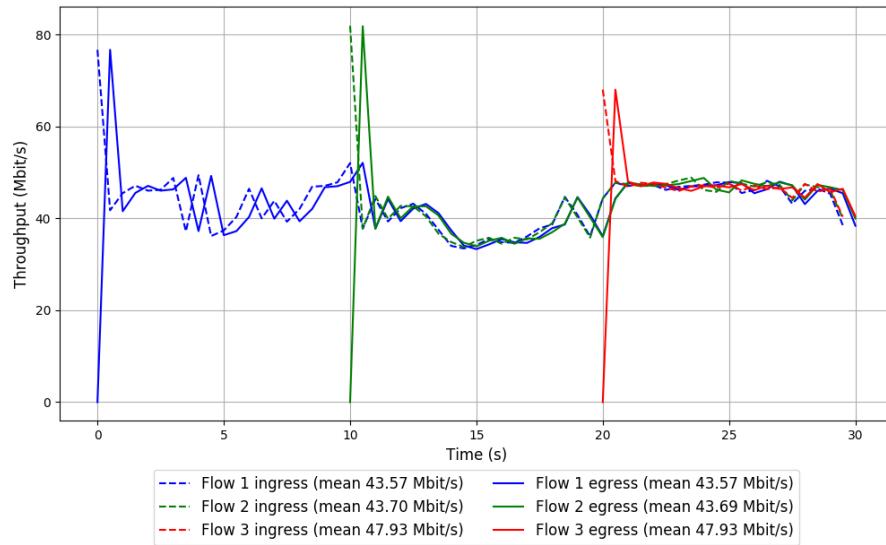


Run 4: Statistics of Indigo-Muses

```
Start at: 2018-11-30 16:47:41
End at: 2018-11-30 16:48:11
Local clock offset: -0.268 ms
Remote clock offset: -2.624 ms

# Below is generated by plot.py at 2018-11-30 18:27:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.54 Mbit/s
95th percentile per-packet one-way delay: 0.955 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 43.57 Mbit/s
95th percentile per-packet one-way delay: 0.964 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 43.69 Mbit/s
95th percentile per-packet one-way delay: 0.944 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 47.93 Mbit/s
95th percentile per-packet one-way delay: 0.914 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo-Muses — Data Link

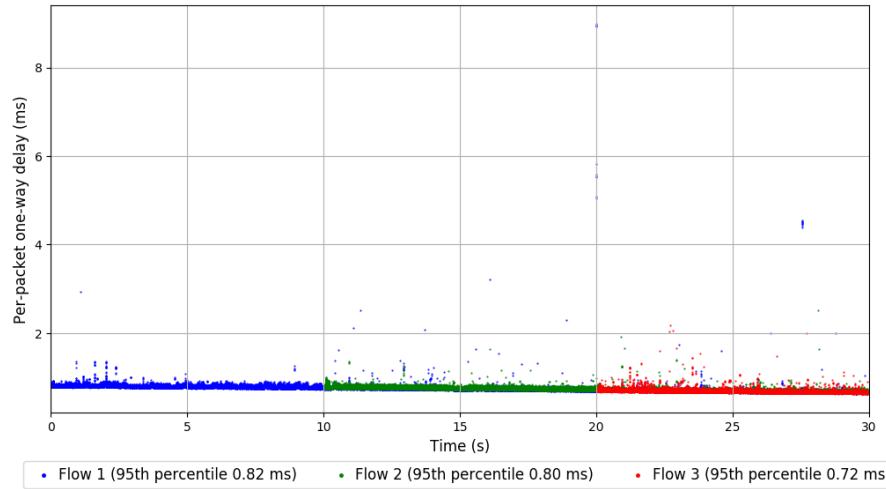
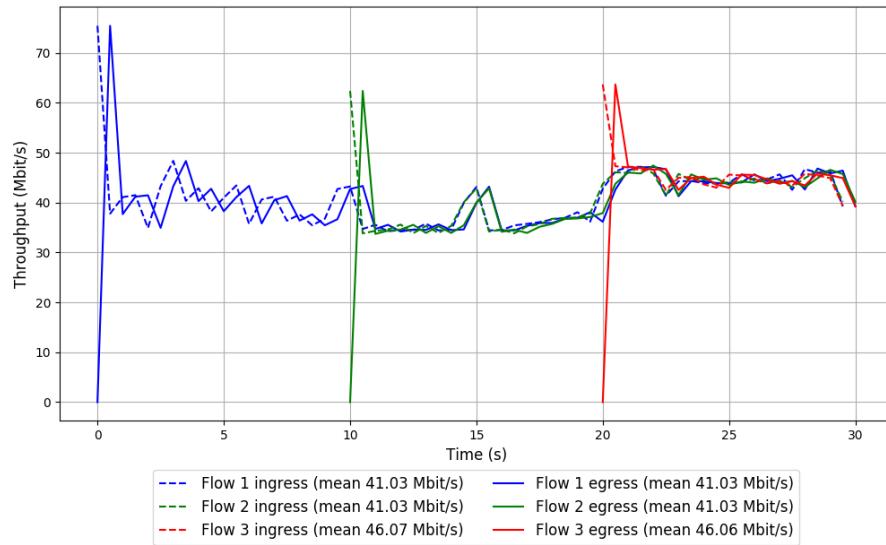


Run 5: Statistics of Indigo-Muses

```
Start at: 2018-11-30 17:15:14
End at: 2018-11-30 17:15:44
Local clock offset: -0.219 ms
Remote clock offset: -3.954 ms

# Below is generated by plot.py at 2018-11-30 18:27:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.59 Mbit/s
95th percentile per-packet one-way delay: 0.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 0.822 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 0.795 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.06 Mbit/s
95th percentile per-packet one-way delay: 0.725 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo-Muses — Data Link

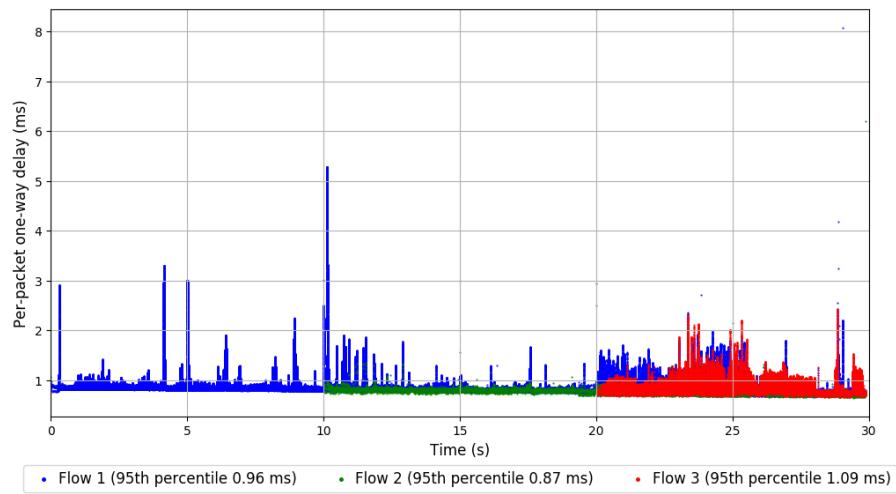
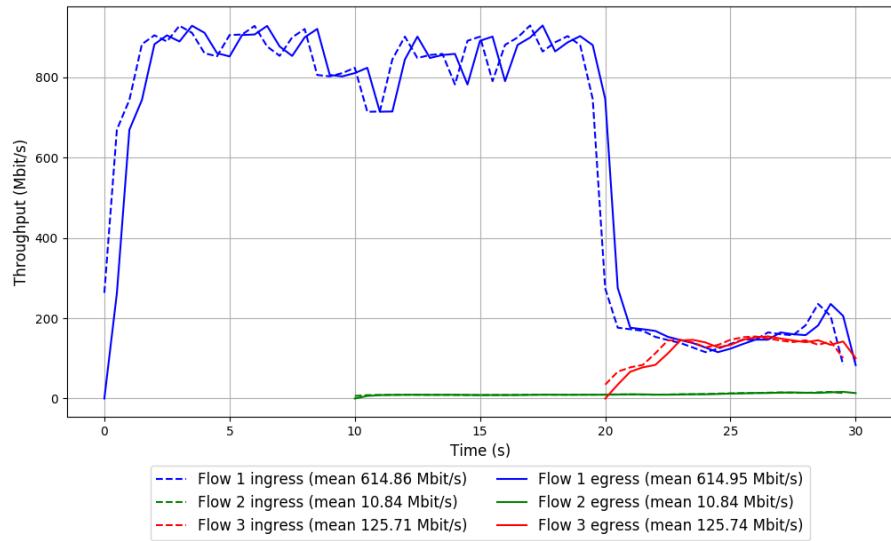


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-11-30 15:28:55
End at: 2018-11-30 15:29:25
Local clock offset: 2.873 ms
Remote clock offset: 1.307 ms

# Below is generated by plot.py at 2018-11-30 18:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 663.47 Mbit/s
95th percentile per-packet one-way delay: 0.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 614.95 Mbit/s
95th percentile per-packet one-way delay: 0.961 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.84 Mbit/s
95th percentile per-packet one-way delay: 0.871 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 125.74 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.02%
```

Run 1: Report of PCC-Allegro — Data Link

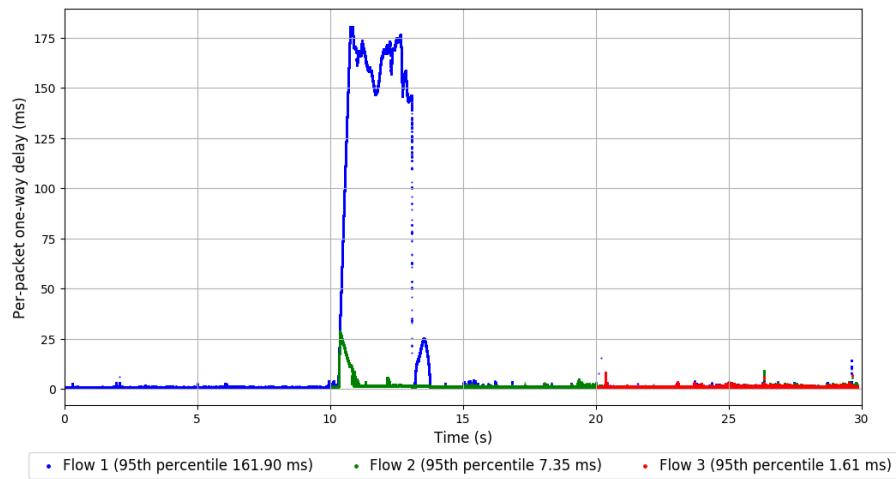
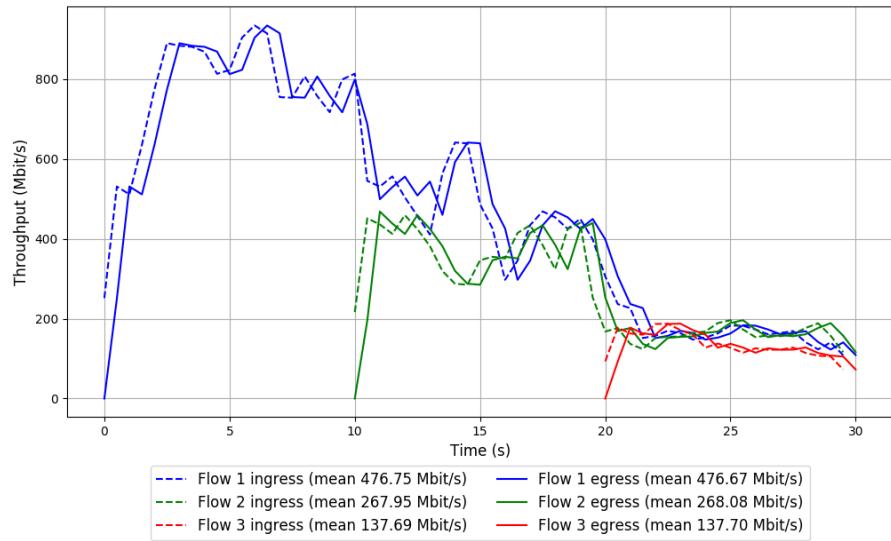


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-11-30 15:56:41
End at: 2018-11-30 15:57:11
Local clock offset: 0.876 ms
Remote clock offset: 1.137 ms

# Below is generated by plot.py at 2018-11-30 18:31:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 699.88 Mbit/s
95th percentile per-packet one-way delay: 150.479 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 476.67 Mbit/s
95th percentile per-packet one-way delay: 161.897 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 268.08 Mbit/s
95th percentile per-packet one-way delay: 7.354 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 137.70 Mbit/s
95th percentile per-packet one-way delay: 1.611 ms
Loss rate: 0.01%
```

Run 2: Report of PCC-Allegro — Data Link

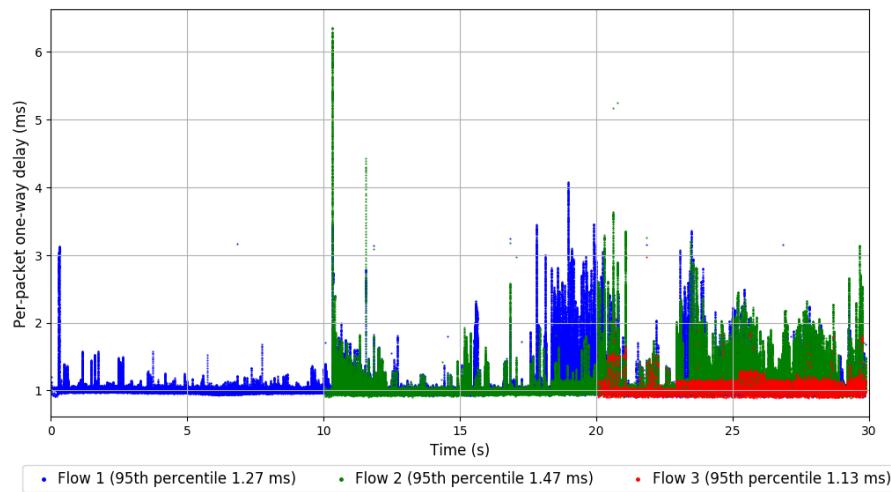
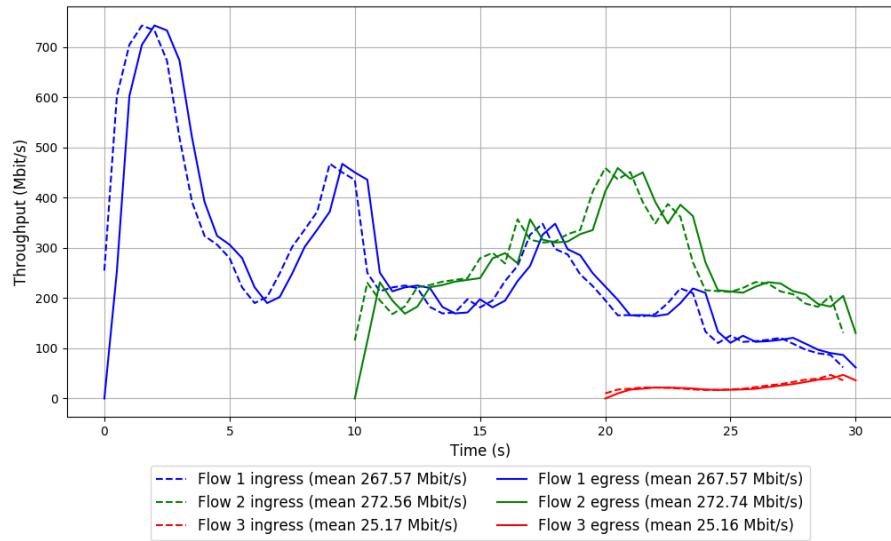


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-11-30 16:24:29
End at: 2018-11-30 16:24:59
Local clock offset: -0.176 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-11-30 18:31:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 457.06 Mbit/s
95th percentile per-packet one-way delay: 1.372 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 267.57 Mbit/s
95th percentile per-packet one-way delay: 1.271 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 272.74 Mbit/s
95th percentile per-packet one-way delay: 1.469 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.03%
```

Run 3: Report of PCC-Allegro — Data Link

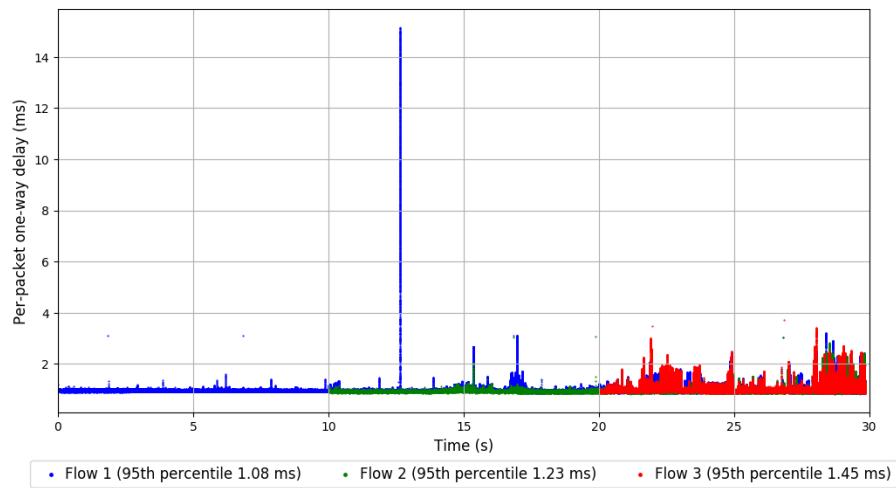
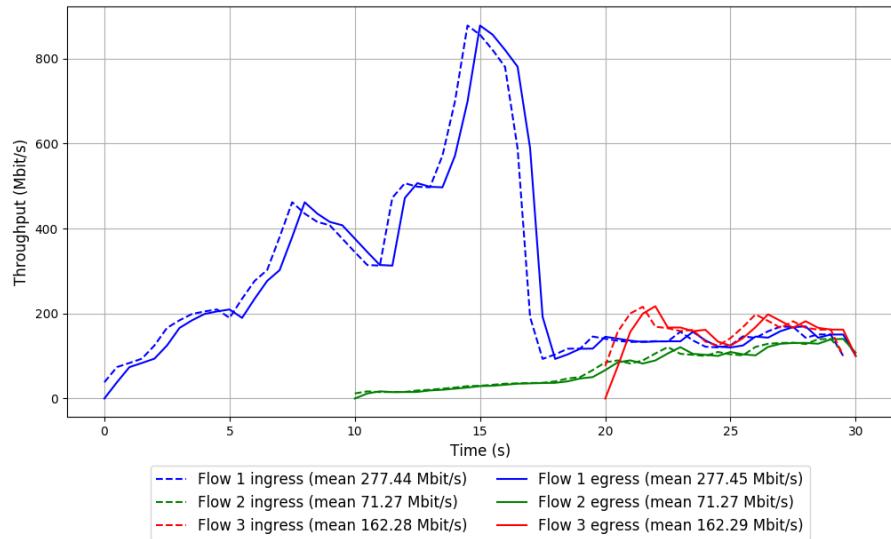


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-11-30 16:51:57
End at: 2018-11-30 16:52:27
Local clock offset: -0.256 ms
Remote clock offset: -3.168 ms

# Below is generated by plot.py at 2018-11-30 18:31:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 378.28 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 277.45 Mbit/s
95th percentile per-packet one-way delay: 1.077 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.27 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 162.29 Mbit/s
95th percentile per-packet one-way delay: 1.454 ms
Loss rate: 0.02%
```

Run 4: Report of PCC-Allegro — Data Link

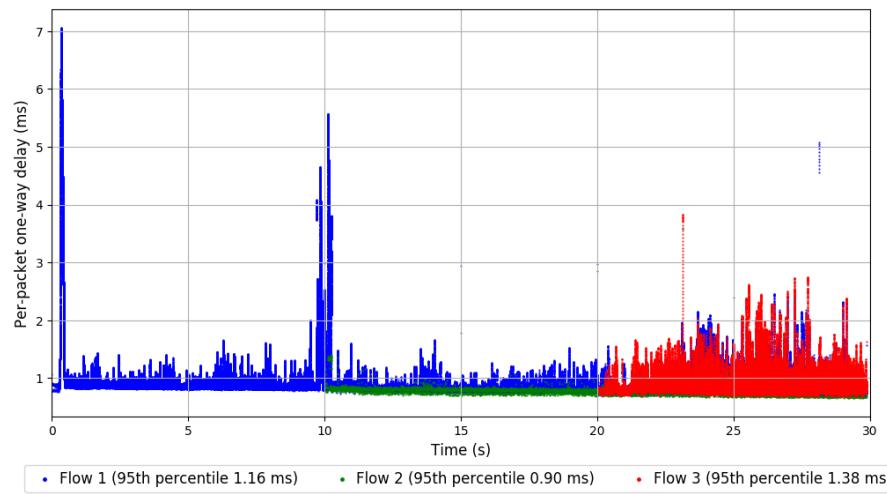
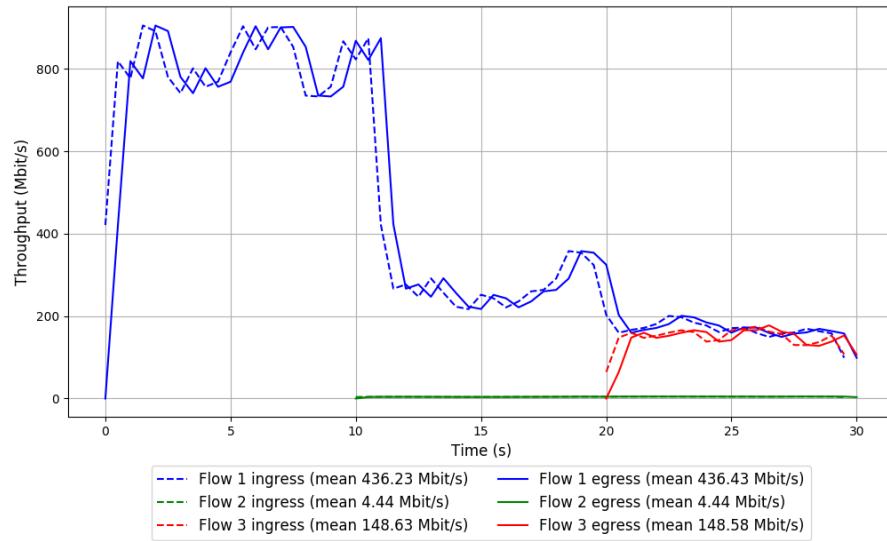


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-11-30 17:19:31
End at: 2018-11-30 17:20:01
Local clock offset: 1.097 ms
Remote clock offset: -3.749 ms

# Below is generated by plot.py at 2018-11-30 18:32:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 488.30 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 436.43 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 0.904 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 148.58 Mbit/s
95th percentile per-packet one-way delay: 1.380 ms
Loss rate: 0.04%
```

Run 5: Report of PCC-Allegro — Data Link

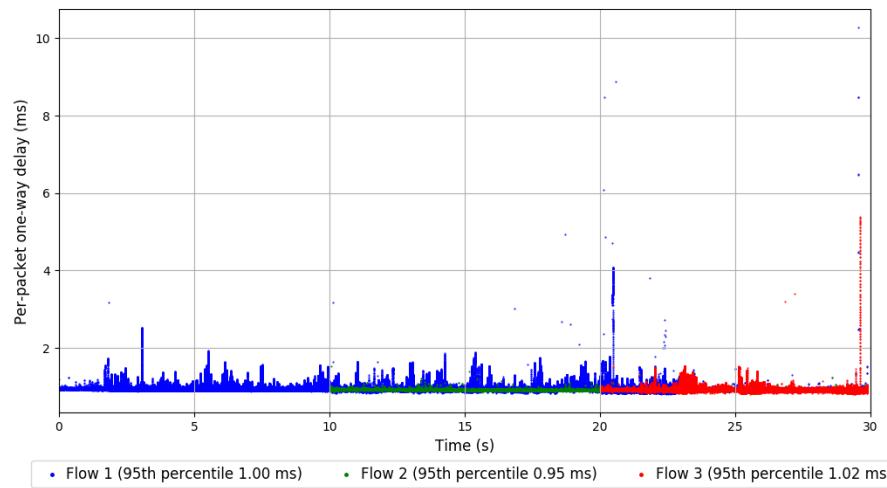
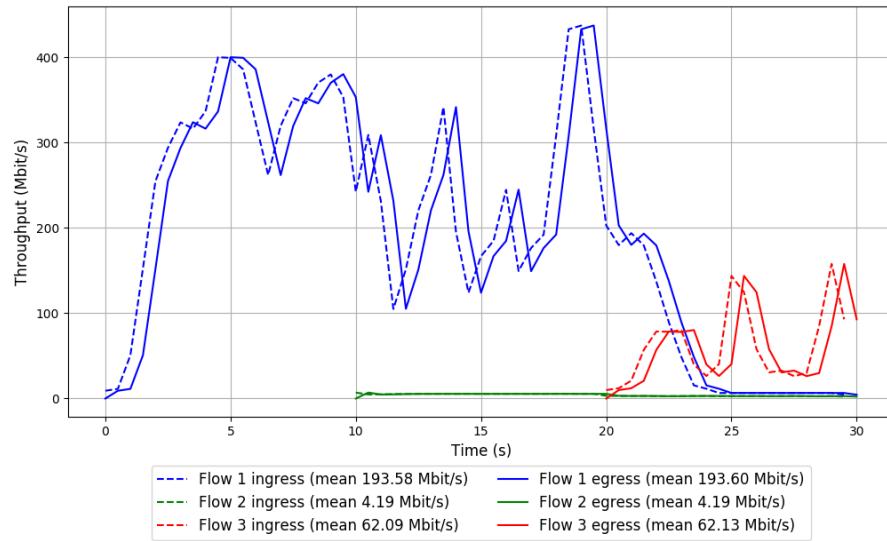


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-11-30 15:41:50
End at: 2018-11-30 15:42:20
Local clock offset: 3.829 ms
Remote clock offset: 0.777 ms

# Below is generated by plot.py at 2018-11-30 18:32:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 216.87 Mbit/s
95th percentile per-packet one-way delay: 1.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.60 Mbit/s
95th percentile per-packet one-way delay: 0.999 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 0.951 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.13 Mbit/s
95th percentile per-packet one-way delay: 1.016 ms
Loss rate: 0.03%
```

Run 1: Report of PCC-Expr — Data Link

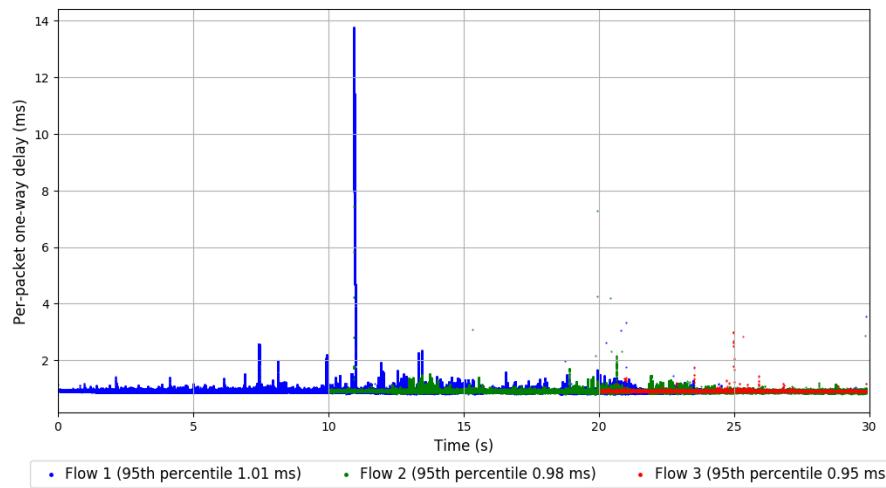
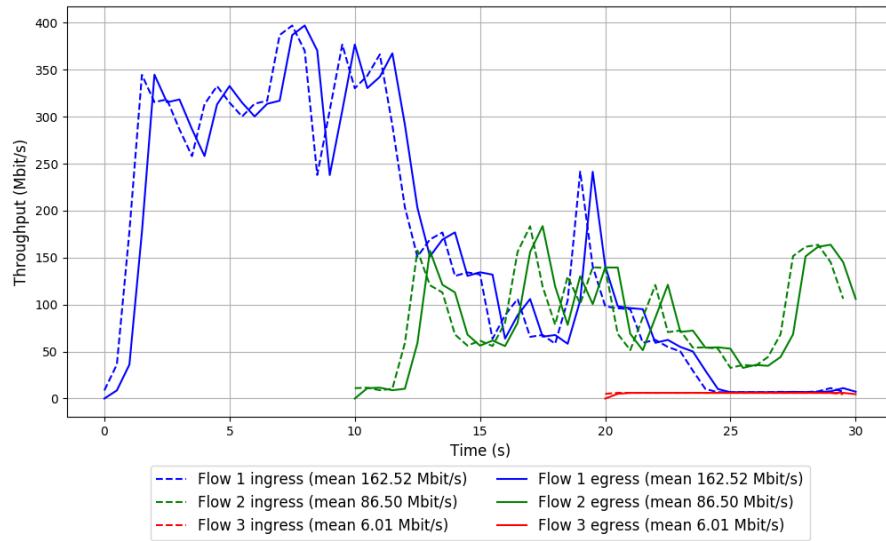


Run 2: Statistics of PCC-Expr

```
Start at: 2018-11-30 16:09:29
End at: 2018-11-30 16:09:59
Local clock offset: -0.067 ms
Remote clock offset: 0.601 ms

# Below is generated by plot.py at 2018-11-30 18:32:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 222.00 Mbit/s
95th percentile per-packet one-way delay: 1.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 162.52 Mbit/s
95th percentile per-packet one-way delay: 1.014 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 86.50 Mbit/s
95th percentile per-packet one-way delay: 0.984 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 6.01 Mbit/s
95th percentile per-packet one-way delay: 0.952 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Expr — Data Link

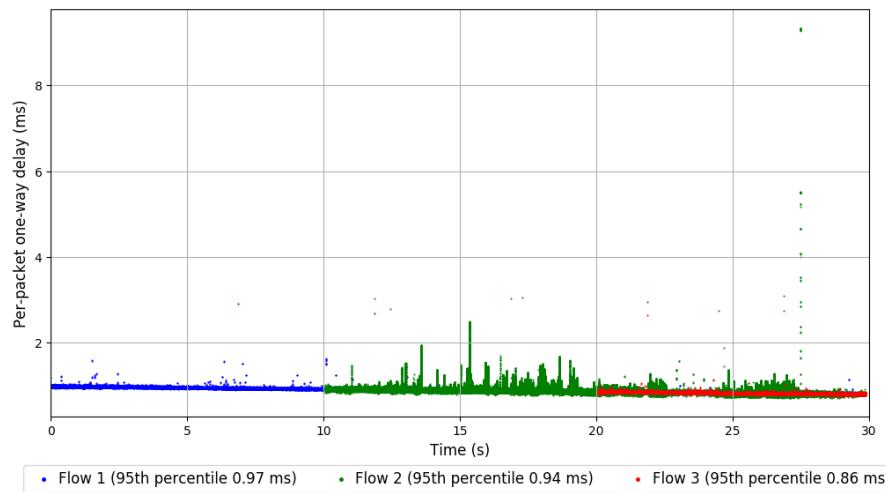
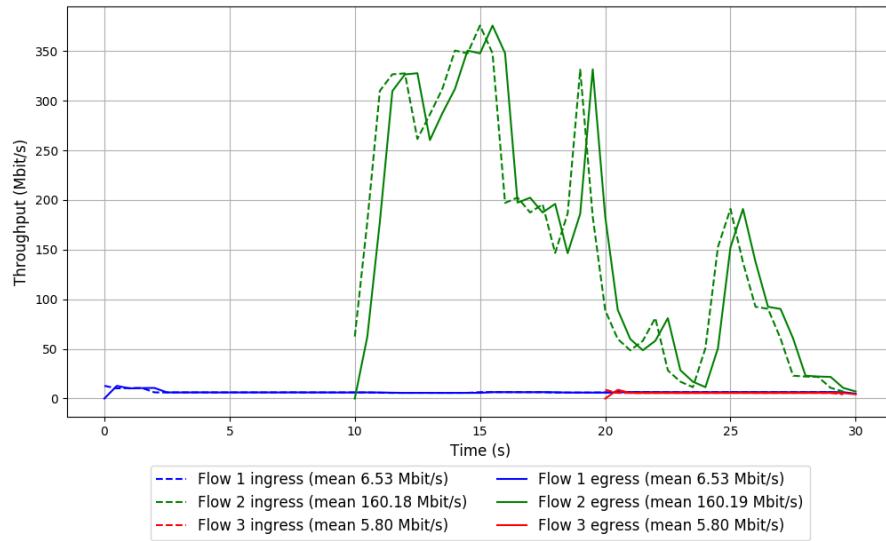


Run 3: Statistics of PCC-Expr

```
Start at: 2018-11-30 16:37:14
End at: 2018-11-30 16:37:44
Local clock offset: -0.241 ms
Remote clock offset: -0.19 ms

# Below is generated by plot.py at 2018-11-30 18:32:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 115.02 Mbit/s
95th percentile per-packet one-way delay: 0.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: 0.975 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 160.19 Mbit/s
95th percentile per-packet one-way delay: 0.942 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.80 Mbit/s
95th percentile per-packet one-way delay: 0.861 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Expr — Data Link

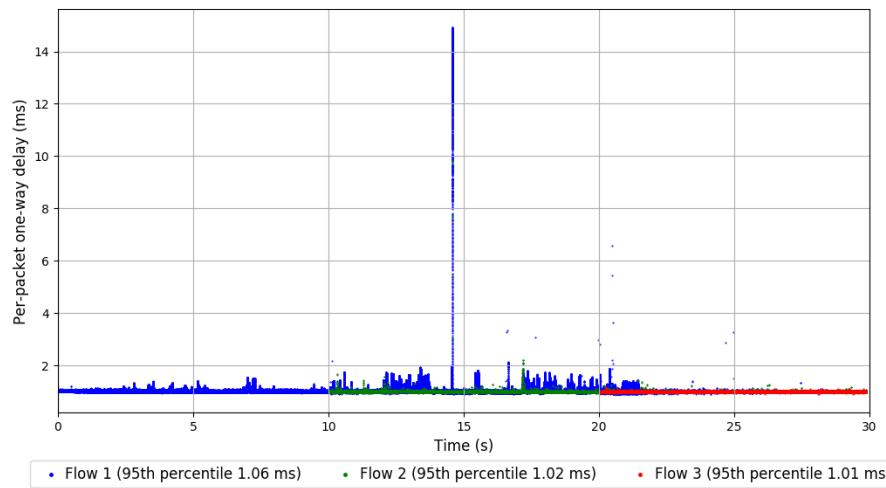
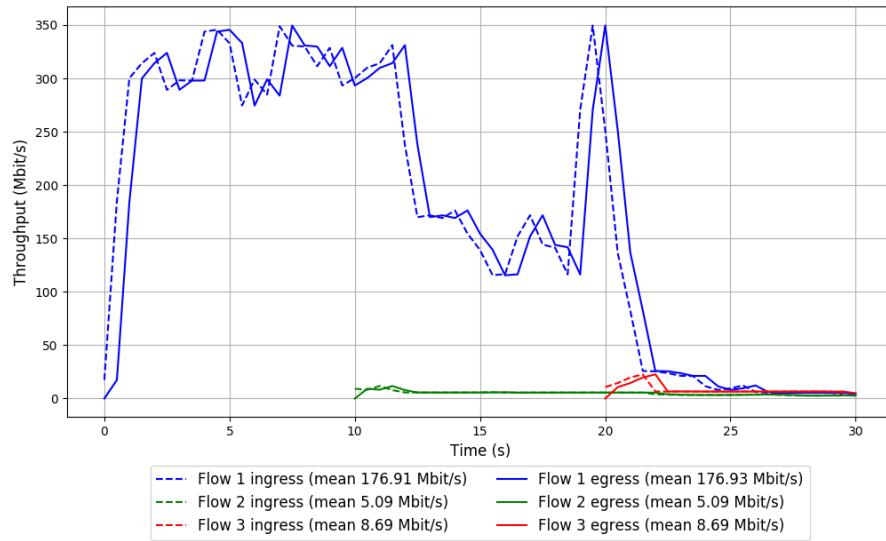


Run 4: Statistics of PCC-Expr

```
Start at: 2018-11-30 17:04:42
End at: 2018-11-30 17:05:12
Local clock offset: -0.291 ms
Remote clock offset: -4.066 ms

# Below is generated by plot.py at 2018-11-30 18:33:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 183.17 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.93 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 1.020 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.69 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 0.01%
```

Run 4: Report of PCC-Expr — Data Link

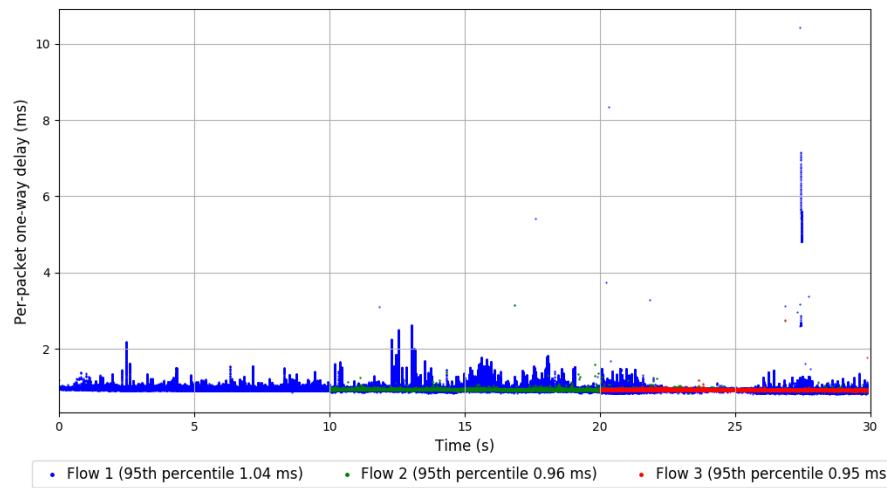
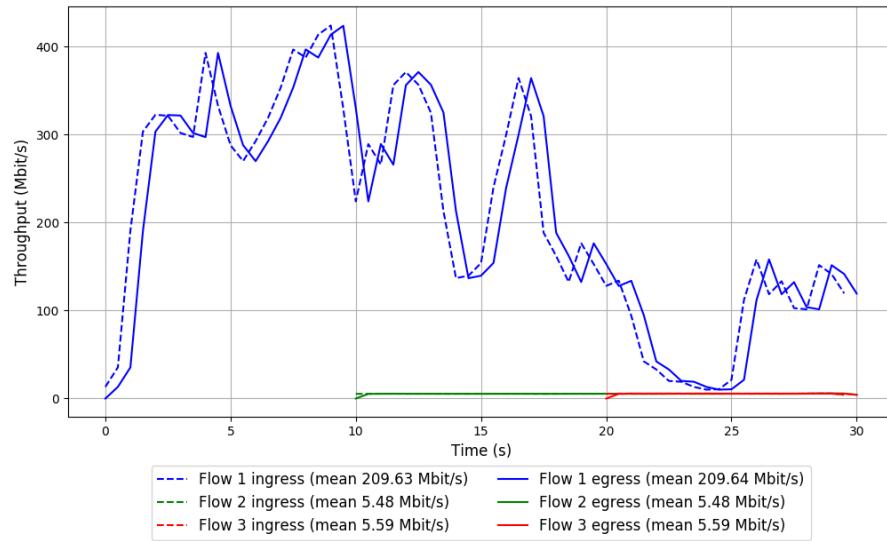


Run 5: Statistics of PCC-Expr

```
Start at: 2018-11-30 17:32:17
End at: 2018-11-30 17:32:47
Local clock offset: 3.001 ms
Remote clock offset: -3.61 ms

# Below is generated by plot.py at 2018-11-30 18:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 215.12 Mbit/s
95th percentile per-packet one-way delay: 1.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.64 Mbit/s
95th percentile per-packet one-way delay: 1.038 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.48 Mbit/s
95th percentile per-packet one-way delay: 0.959 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 0.951 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Expr — Data Link

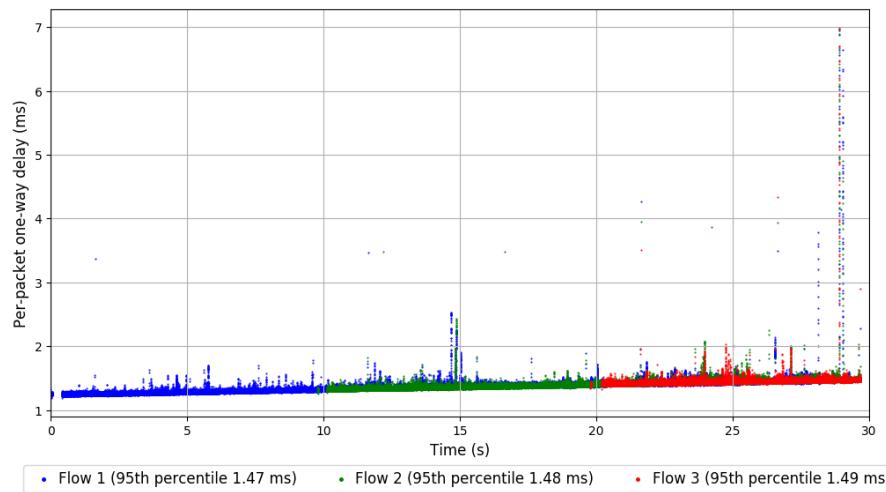
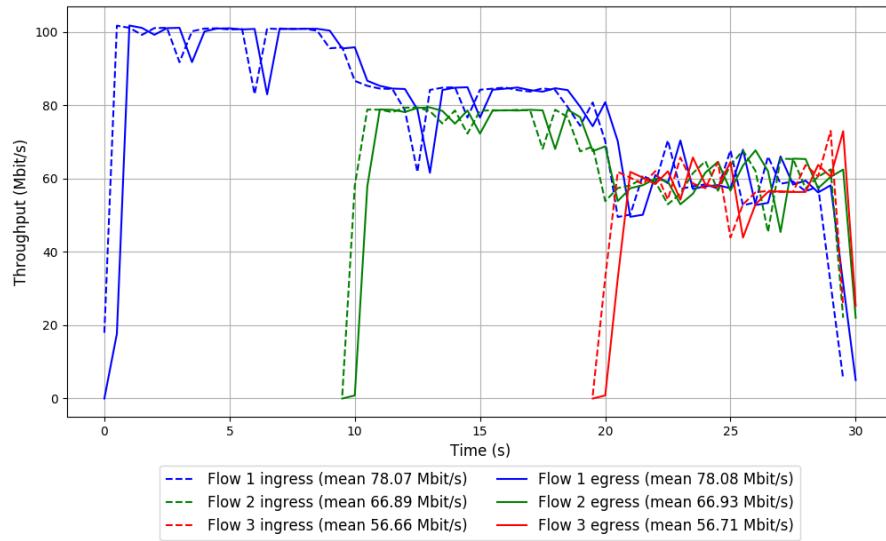


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-11-30 15:44:55
End at: 2018-11-30 15:45:25
Local clock offset: 3.997 ms
Remote clock offset: 0.79 ms

# Below is generated by plot.py at 2018-11-30 18:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 141.88 Mbit/s
95th percentile per-packet one-way delay: 1.475 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 78.08 Mbit/s
95th percentile per-packet one-way delay: 1.465 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 66.93 Mbit/s
95th percentile per-packet one-way delay: 1.477 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 56.71 Mbit/s
95th percentile per-packet one-way delay: 1.487 ms
Loss rate: 0.02%
```

Run 1: Report of QUIC Cubic — Data Link

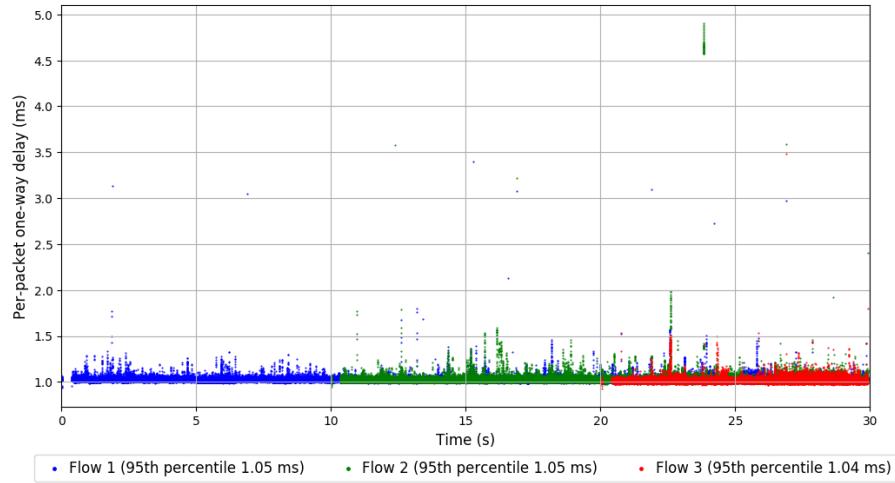
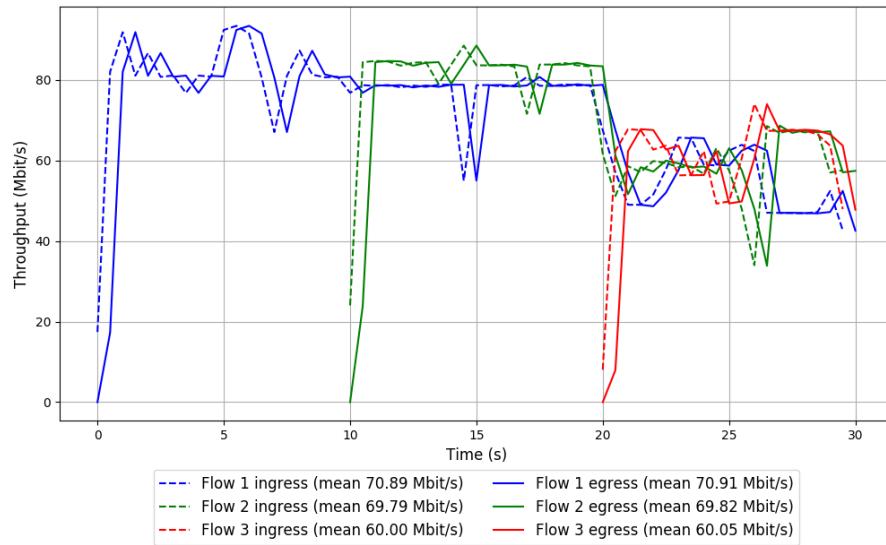


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-11-30 16:12:35
End at: 2018-11-30 16:13:05
Local clock offset: -0.163 ms
Remote clock offset: 0.321 ms

# Below is generated by plot.py at 2018-11-30 18:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 137.23 Mbit/s
95th percentile per-packet one-way delay: 1.050 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.91 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.82 Mbit/s
95th percentile per-packet one-way delay: 1.053 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 60.05 Mbit/s
95th percentile per-packet one-way delay: 1.042 ms
Loss rate: 0.02%
```

Run 2: Report of QUIC Cubic — Data Link

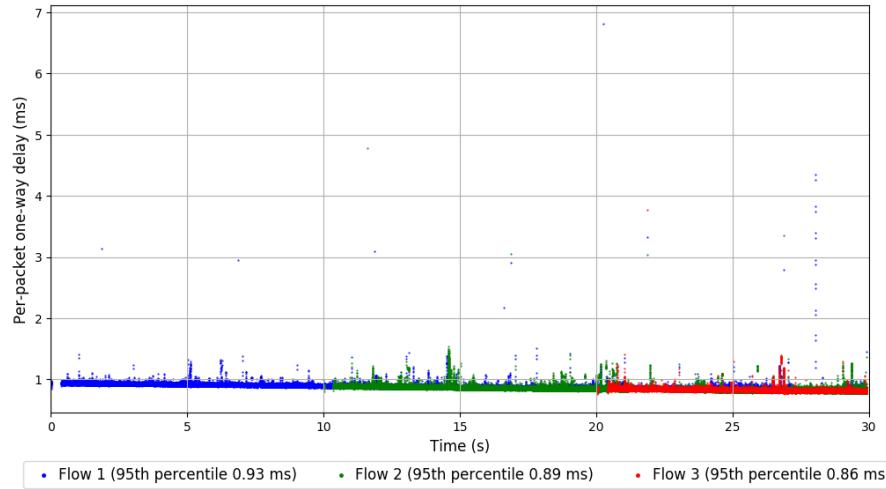
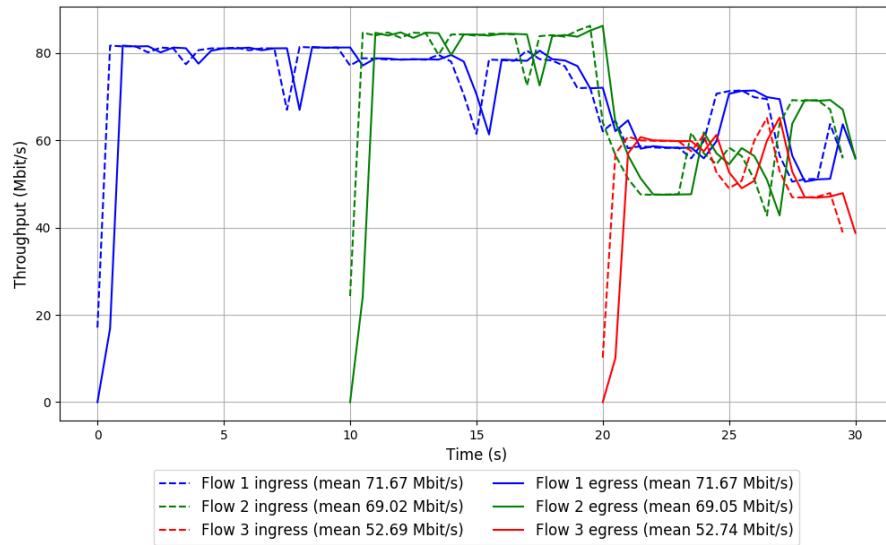


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-11-30 16:40:08
End at: 2018-11-30 16:40:38
Local clock offset: -0.241 ms
Remote clock offset: -1.09 ms

# Below is generated by plot.py at 2018-11-30 18:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 135.07 Mbit/s
95th percentile per-packet one-way delay: 0.925 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 71.67 Mbit/s
95th percentile per-packet one-way delay: 0.934 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.05 Mbit/s
95th percentile per-packet one-way delay: 0.892 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 52.74 Mbit/s
95th percentile per-packet one-way delay: 0.859 ms
Loss rate: 0.02%
```

Run 3: Report of QUIC Cubic — Data Link

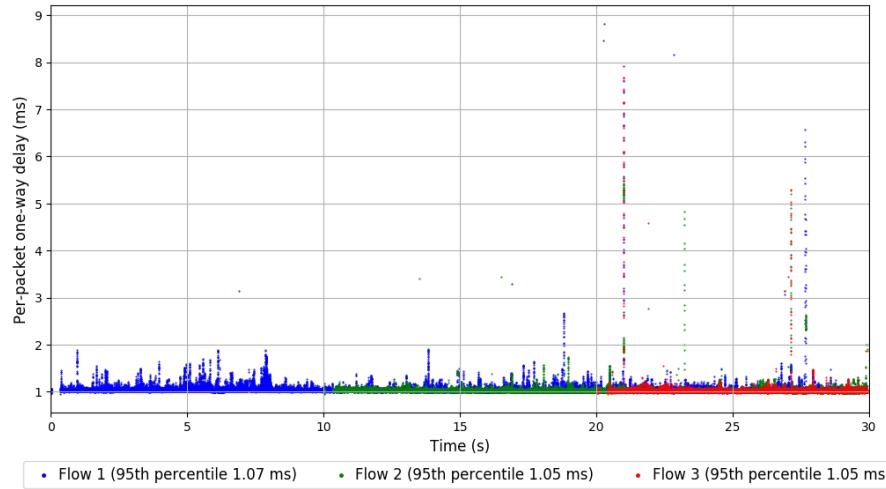
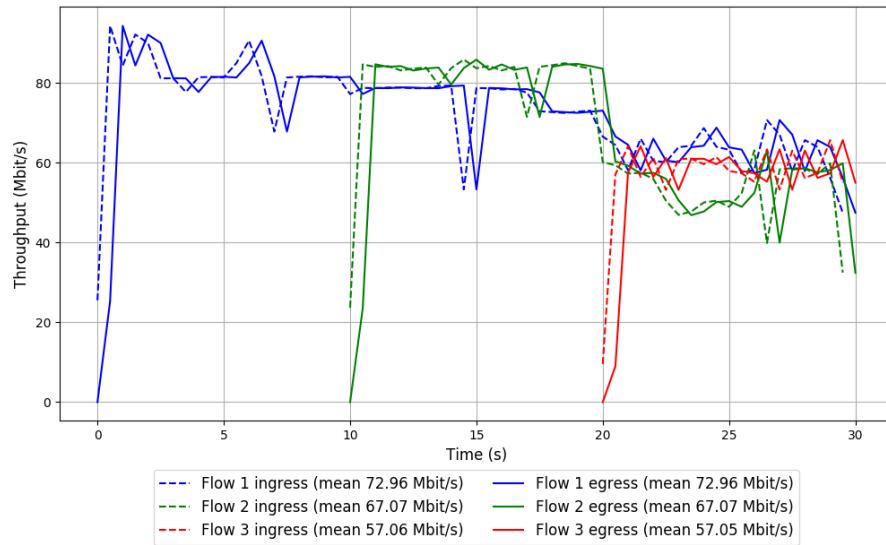


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-11-30 17:07:45
End at: 2018-11-30 17:08:15
Local clock offset: -0.29 ms
Remote clock offset: -4.224 ms

# Below is generated by plot.py at 2018-11-30 18:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 136.45 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 72.96 Mbit/s
95th percentile per-packet one-way delay: 1.069 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.07 Mbit/s
95th percentile per-packet one-way delay: 1.053 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.05 Mbit/s
95th percentile per-packet one-way delay: 1.047 ms
Loss rate: 0.02%
```

Run 4: Report of QUIC Cubic — Data Link

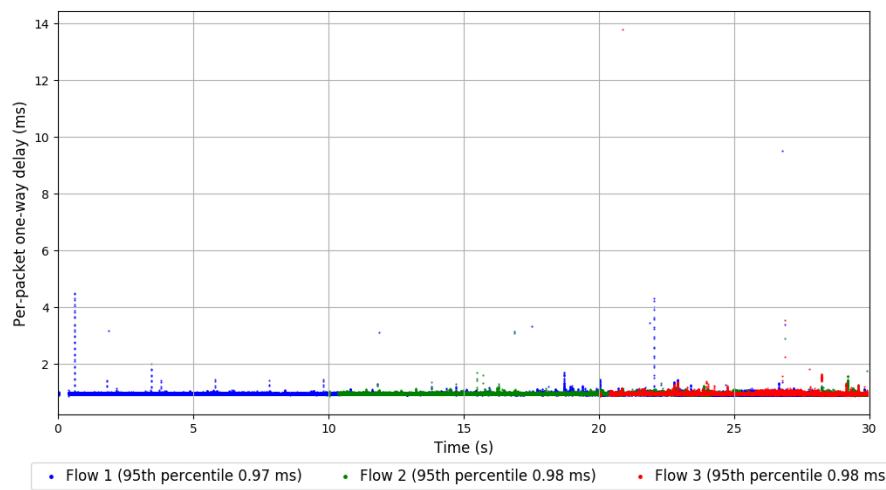
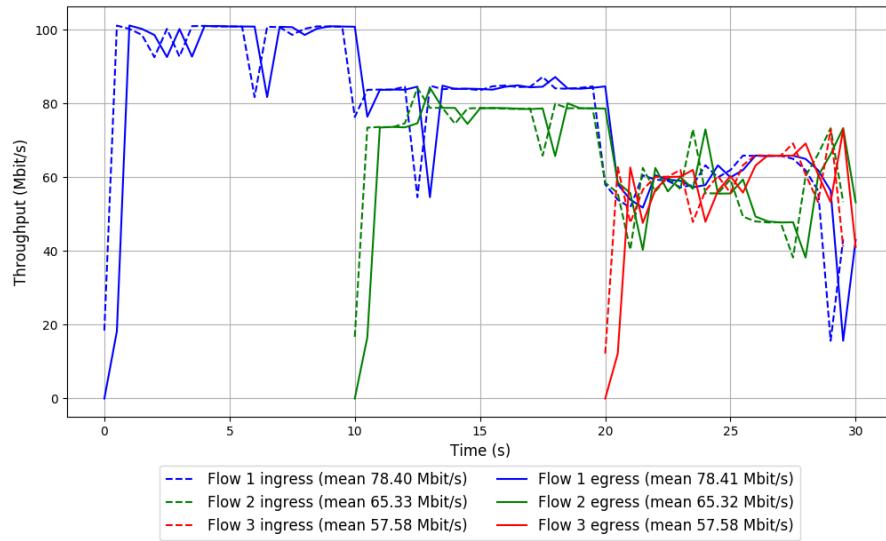


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-11-30 17:35:23
End at: 2018-11-30 17:35:53
Local clock offset: 3.222 ms
Remote clock offset: -3.652 ms

# Below is generated by plot.py at 2018-11-30 18:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 140.91 Mbit/s
95th percentile per-packet one-way delay: 0.974 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 78.41 Mbit/s
95th percentile per-packet one-way delay: 0.969 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.32 Mbit/s
95th percentile per-packet one-way delay: 0.980 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 57.58 Mbit/s
95th percentile per-packet one-way delay: 0.978 ms
Loss rate: 0.02%
```

Run 5: Report of QUIC Cubic — Data Link

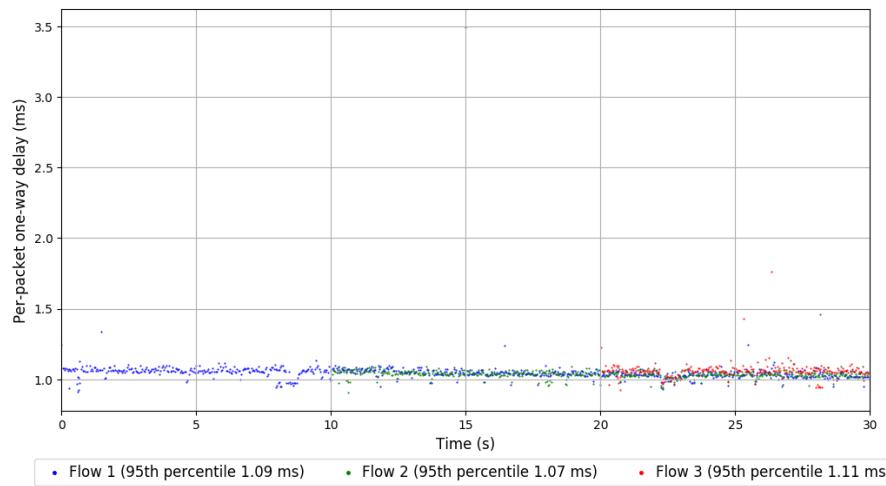
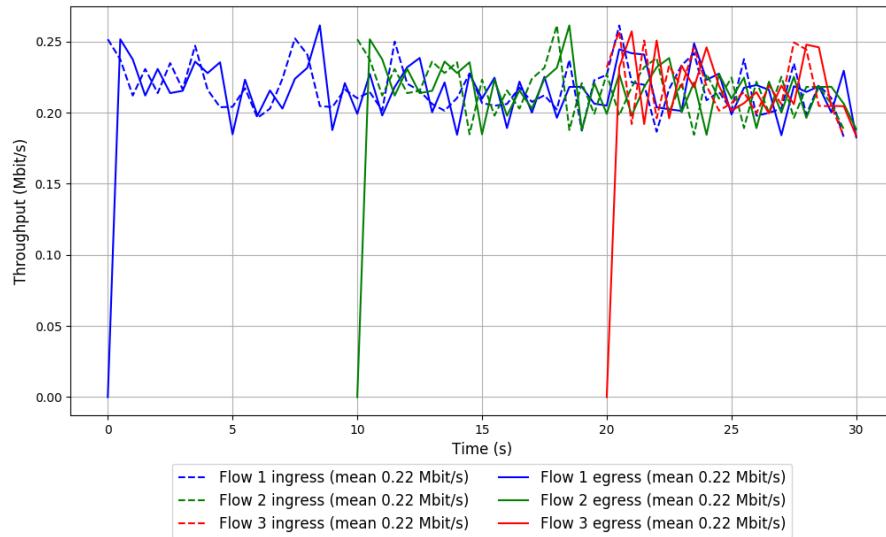


Run 1: Statistics of SCReAM

```
Start at: 2018-11-30 15:40:36
End at: 2018-11-30 15:41:06
Local clock offset: 3.762 ms
Remote clock offset: 0.739 ms

# Below is generated by plot.py at 2018-11-30 18:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.075 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

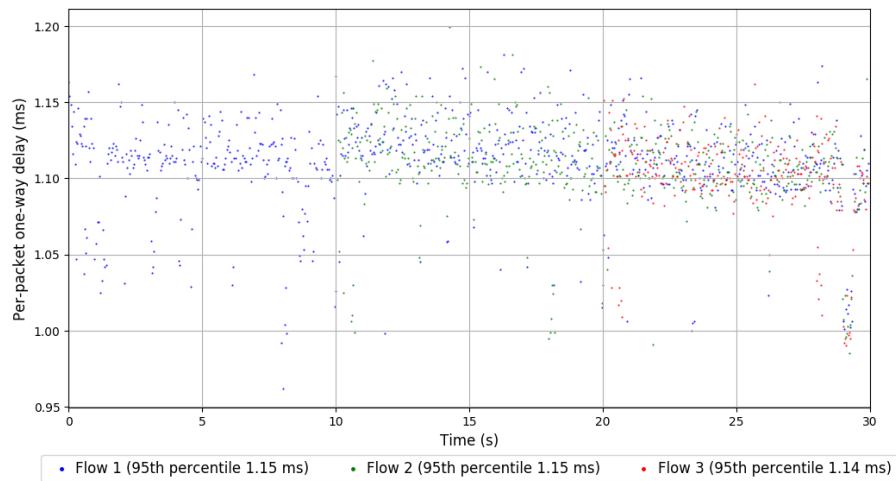
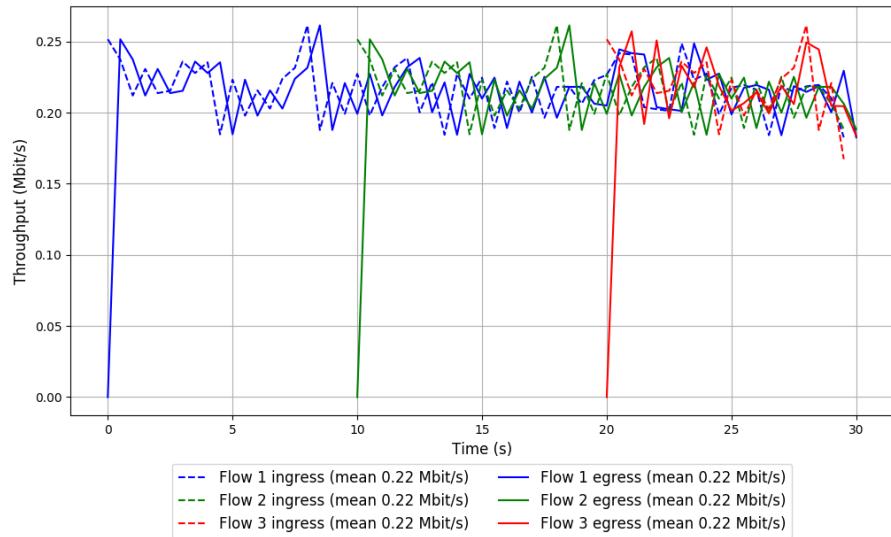


Run 2: Statistics of SCReAM

```
Start at: 2018-11-30 16:08:15
End at: 2018-11-30 16:08:45
Local clock offset: -0.014 ms
Remote clock offset: 0.616 ms

# Below is generated by plot.py at 2018-11-30 18:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

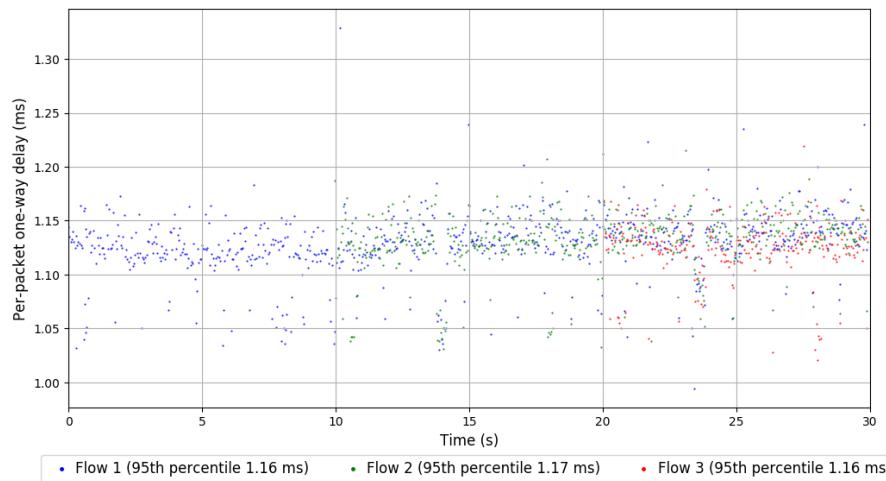
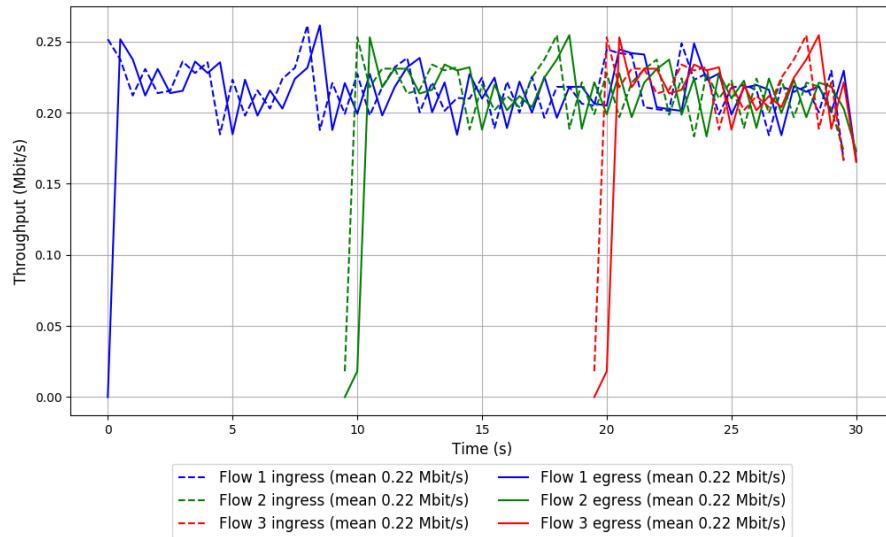


Run 3: Statistics of SCReAM

```
Start at: 2018-11-30 16:36:00
End at: 2018-11-30 16:36:30
Local clock offset: -0.221 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-11-30 18:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.167 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: 0.00%
```

Run 3: Report of SCReAM — Data Link

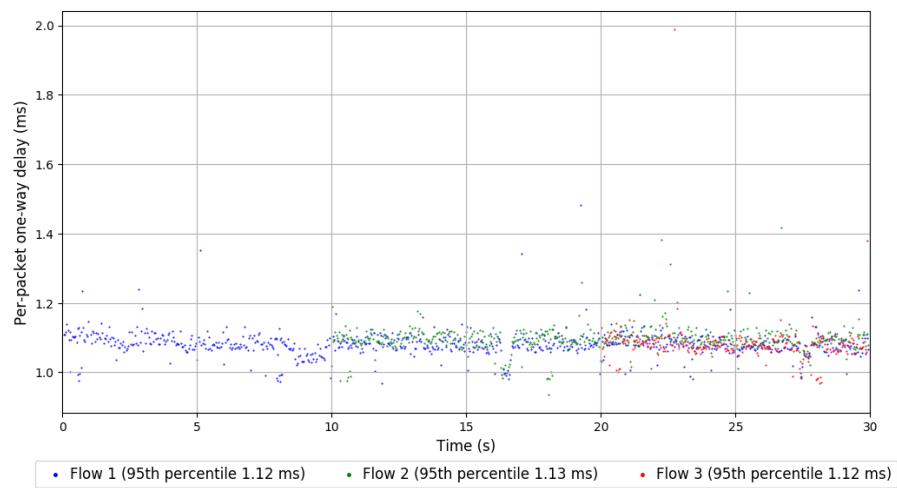
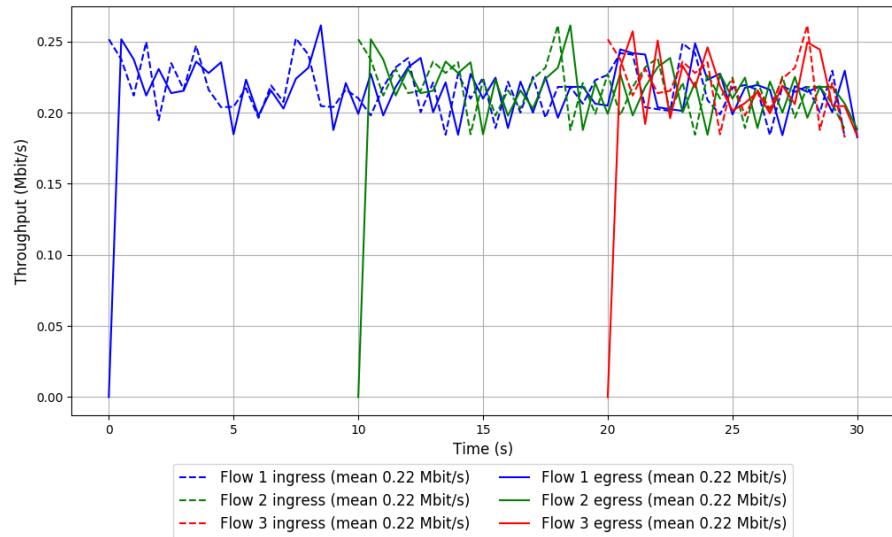


Run 4: Statistics of SCReAM

```
Start at: 2018-11-30 17:03:28
End at: 2018-11-30 17:03:58
Local clock offset: -0.274 ms
Remote clock offset: -3.987 ms

# Below is generated by plot.py at 2018-11-30 18:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.35%
```

Run 4: Report of SCReAM — Data Link

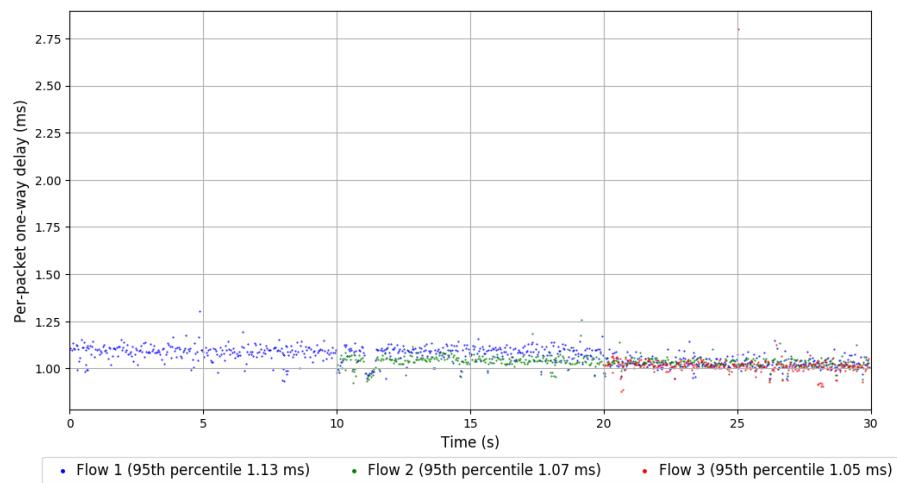
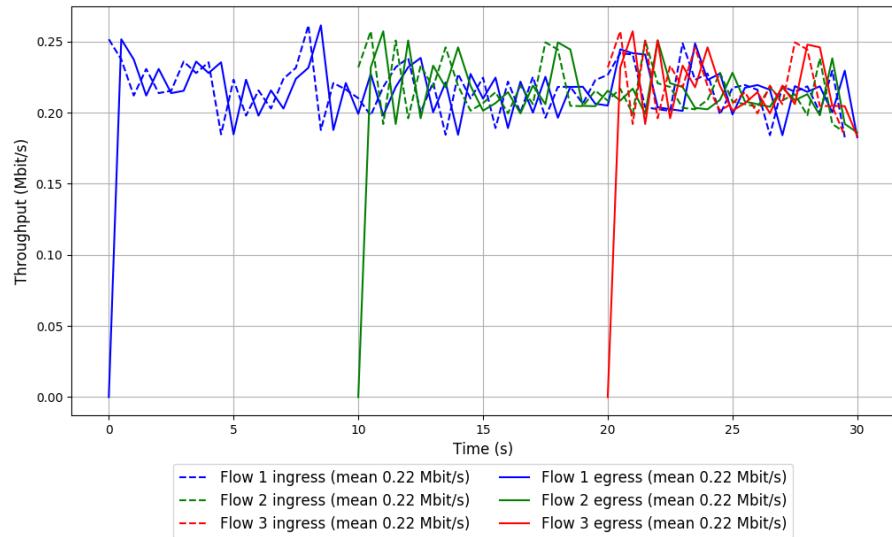


Run 5: Statistics of SCReAM

```
Start at: 2018-11-30 17:31:03
End at: 2018-11-30 17:31:33
Local clock offset: 2.876 ms
Remote clock offset: -3.626 ms

# Below is generated by plot.py at 2018-11-30 18:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.050 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

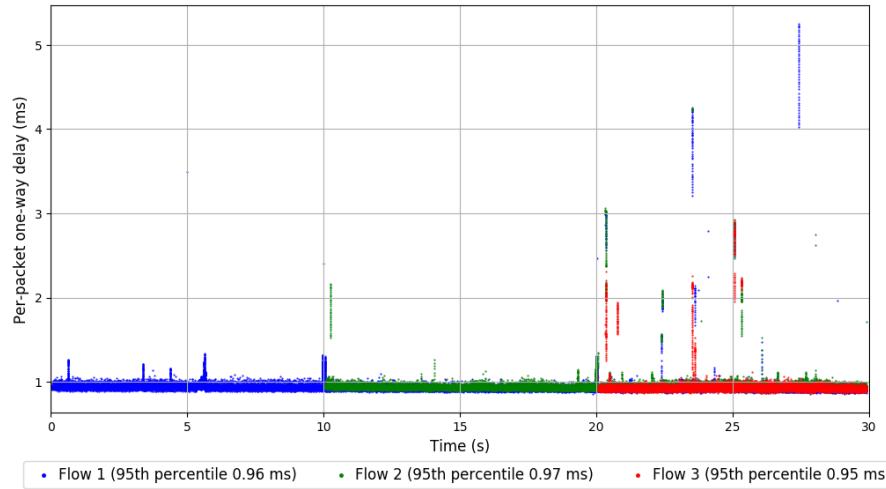
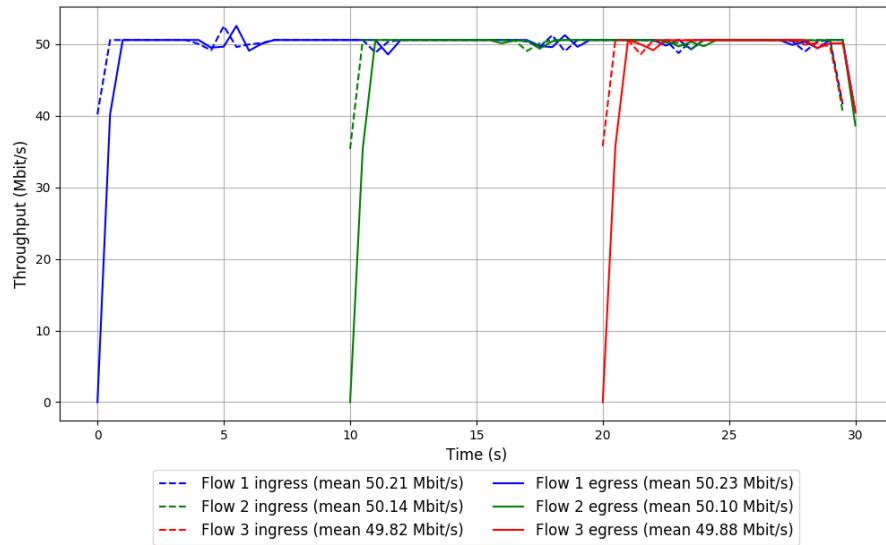


Run 1: Statistics of Sprout

```
Start at: 2018-11-30 15:27:39
End at: 2018-11-30 15:28:09
Local clock offset: 2.727 ms
Remote clock offset: 1.262 ms

# Below is generated by plot.py at 2018-11-30 18:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.91 Mbit/s
95th percentile per-packet one-way delay: 0.965 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 0.965 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 50.10 Mbit/s
95th percentile per-packet one-way delay: 0.968 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 49.88 Mbit/s
95th percentile per-packet one-way delay: 0.955 ms
Loss rate: 0.11%
```

Run 1: Report of Sprout — Data Link

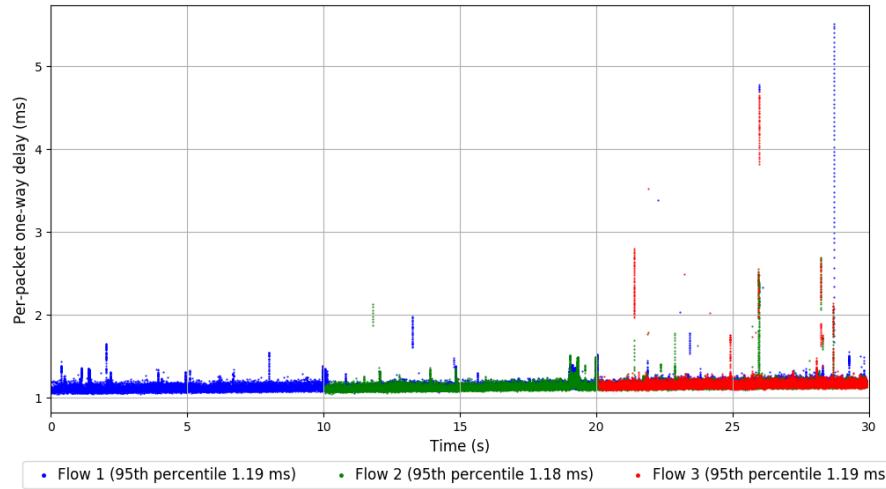
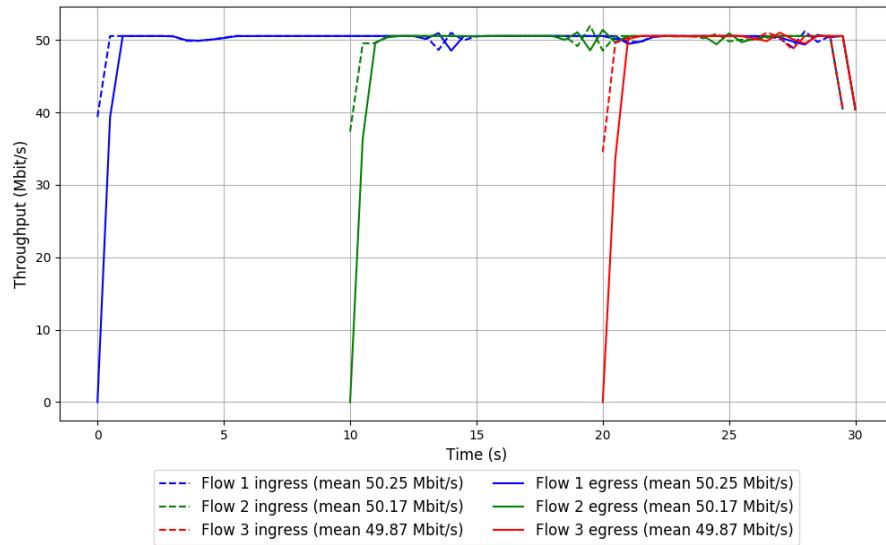


Run 2: Statistics of Sprout

```
Start at: 2018-11-30 15:55:25
End at: 2018-11-30 15:55:55
Local clock offset: 1.061 ms
Remote clock offset: 1.121 ms

# Below is generated by plot.py at 2018-11-30 18:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.98 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.87 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

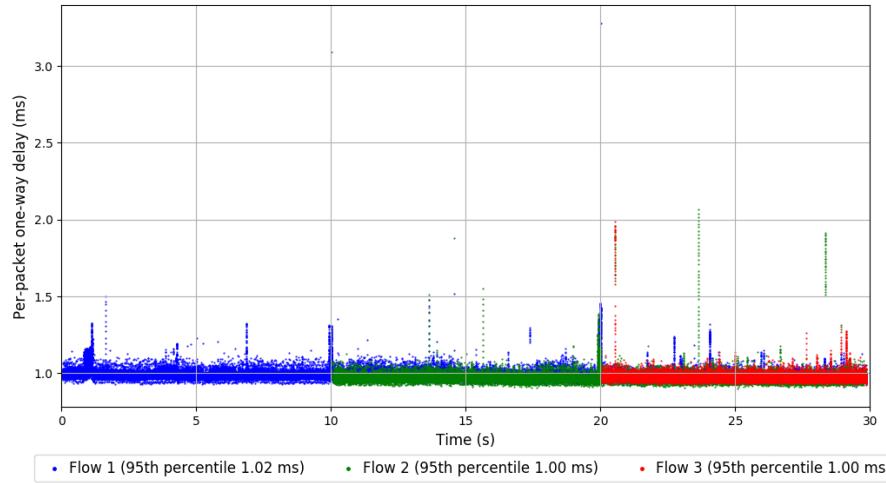
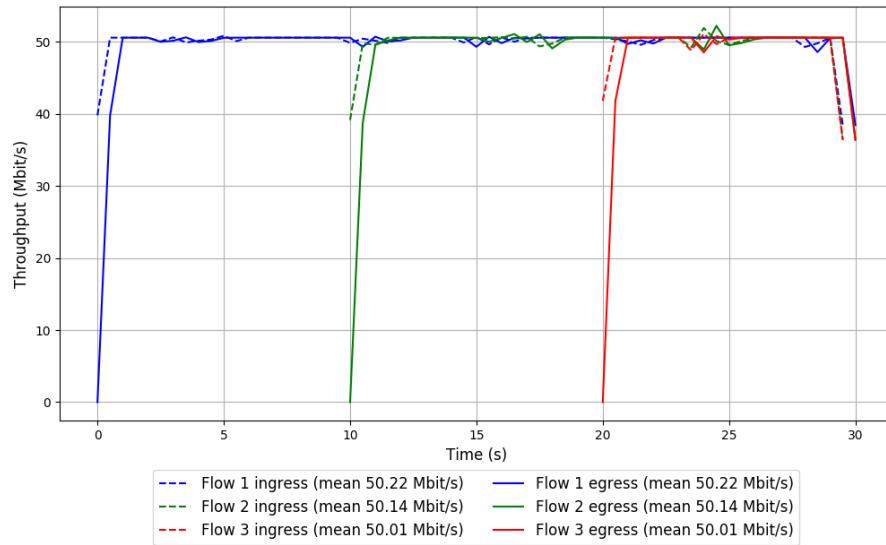


Run 3: Statistics of Sprout

```
Start at: 2018-11-30 16:23:13
End at: 2018-11-30 16:23:43
Local clock offset: -0.167 ms
Remote clock offset: 0.063 ms

# Below is generated by plot.py at 2018-11-30 18:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.06 Mbit/s
95th percentile per-packet one-way delay: 1.014 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 1.023 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 1.000 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.01 Mbit/s
95th percentile per-packet one-way delay: 1.005 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

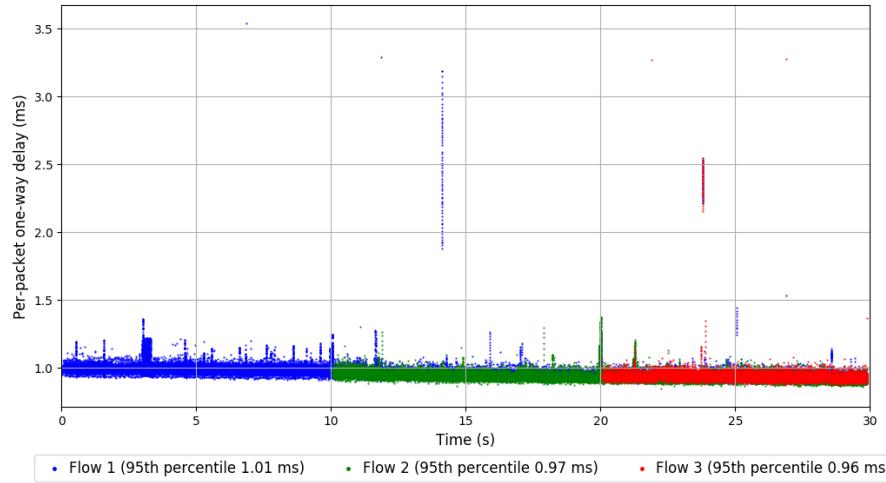
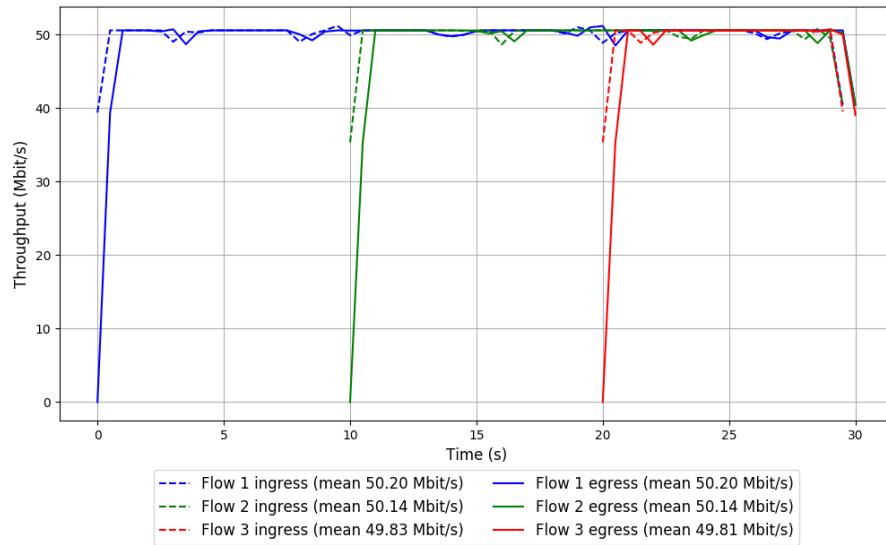


Run 4: Statistics of Sprout

```
Start at: 2018-11-30 16:50:41
End at: 2018-11-30 16:51:11
Local clock offset: -0.271 ms
Remote clock offset: -3.021 ms

# Below is generated by plot.py at 2018-11-30 18:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.90 Mbit/s
95th percentile per-packet one-way delay: 0.997 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.20 Mbit/s
95th percentile per-packet one-way delay: 1.009 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 0.972 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.81 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.10%
```

Run 4: Report of Sprout — Data Link

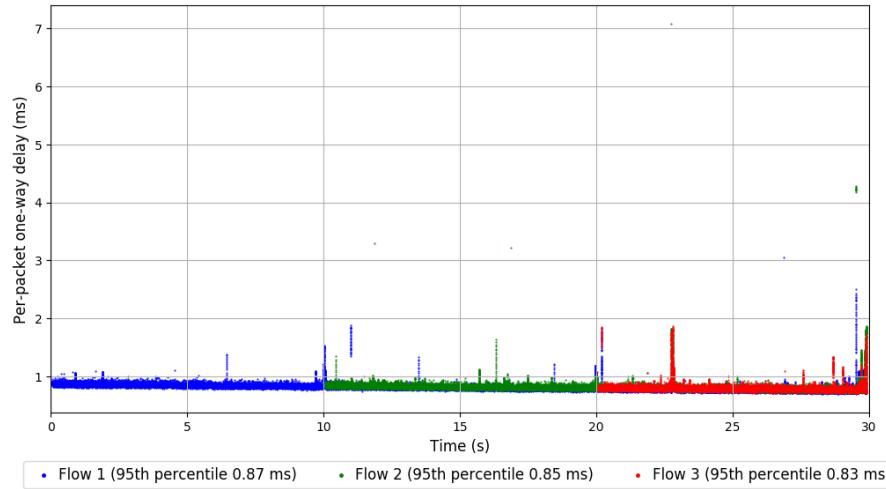
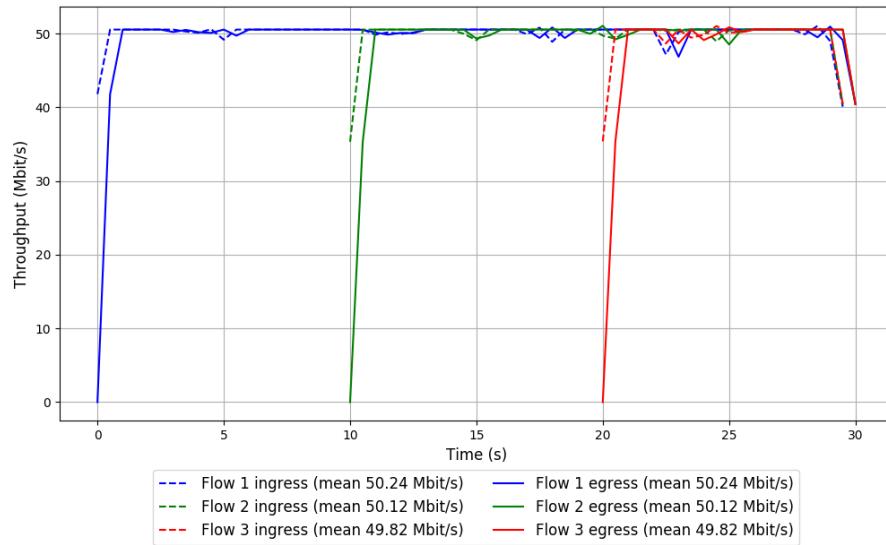


Run 5: Statistics of Sprout

```
Start at: 2018-11-30 17:18:15
End at: 2018-11-30 17:18:45
Local clock offset: 0.797 ms
Remote clock offset: -3.756 ms

# Below is generated by plot.py at 2018-11-30 18:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.93 Mbit/s
95th percentile per-packet one-way delay: 0.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 0.870 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 0.851 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.82 Mbit/s
95th percentile per-packet one-way delay: 0.833 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

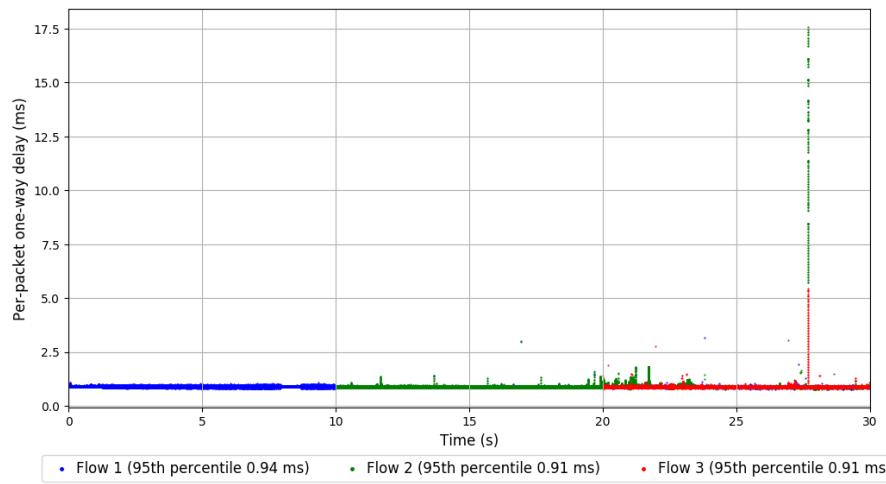
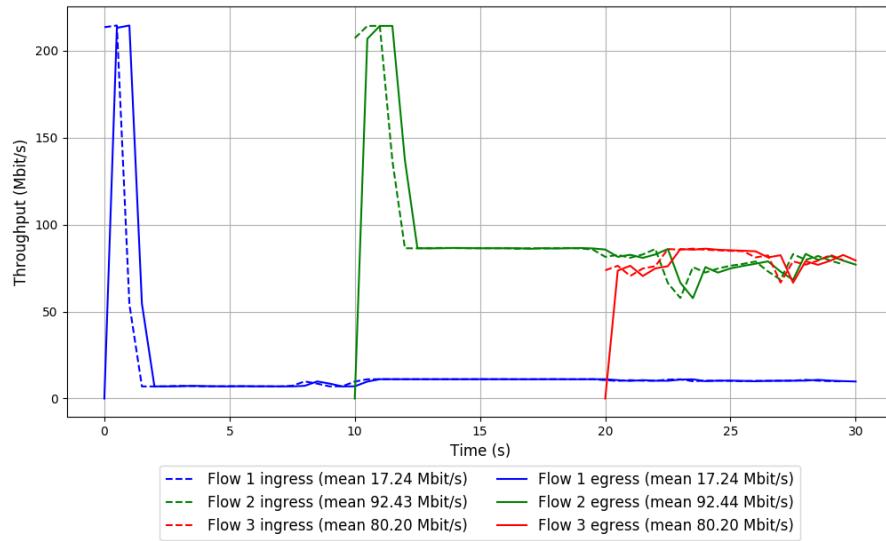


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-11-30 15:23:17
End at: 2018-11-30 15:23:47
Local clock offset: 2.174 ms
Remote clock offset: 1.044 ms

# Below is generated by plot.py at 2018-11-30 18:36:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 105.43 Mbit/s
95th percentile per-packet one-way delay: 0.911 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 17.24 Mbit/s
95th percentile per-packet one-way delay: 0.935 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 0.905 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 0.906 ms
Loss rate: 0.02%
```

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

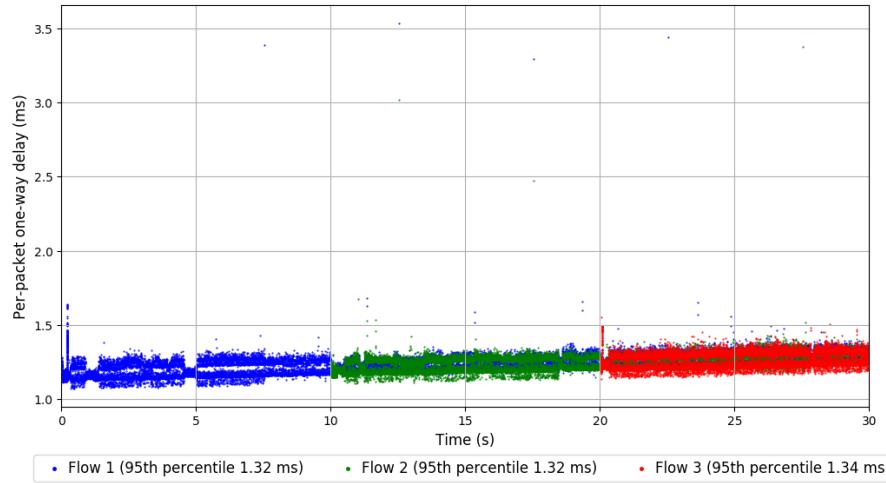
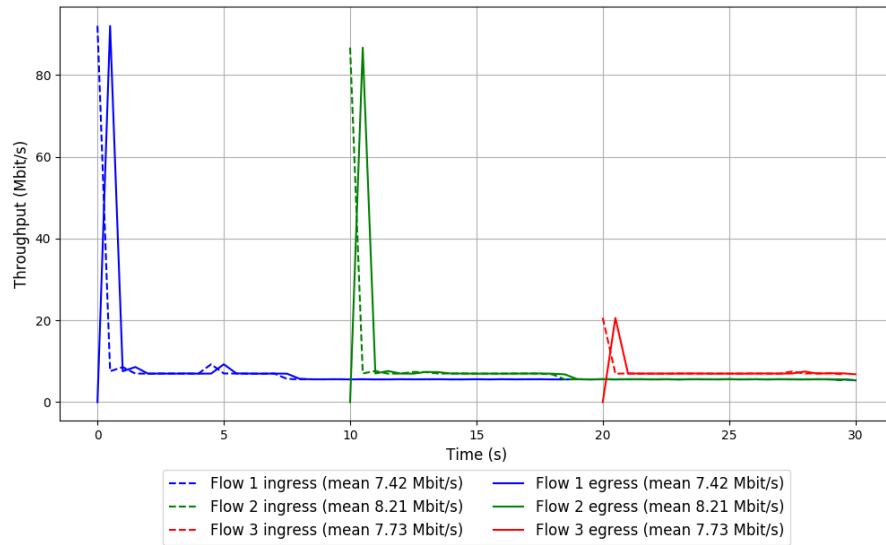


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-11-30 15:51:10
End at: 2018-11-30 15:51:40
Local clock offset: 1.86 ms
Remote clock offset: 0.946 ms

# Below is generated by plot.py at 2018-11-30 18:36:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: 1.328 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 1.325 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 1.318 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 7.73 Mbit/s
95th percentile per-packet one-way delay: 1.345 ms
Loss rate: 0.02%
```

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

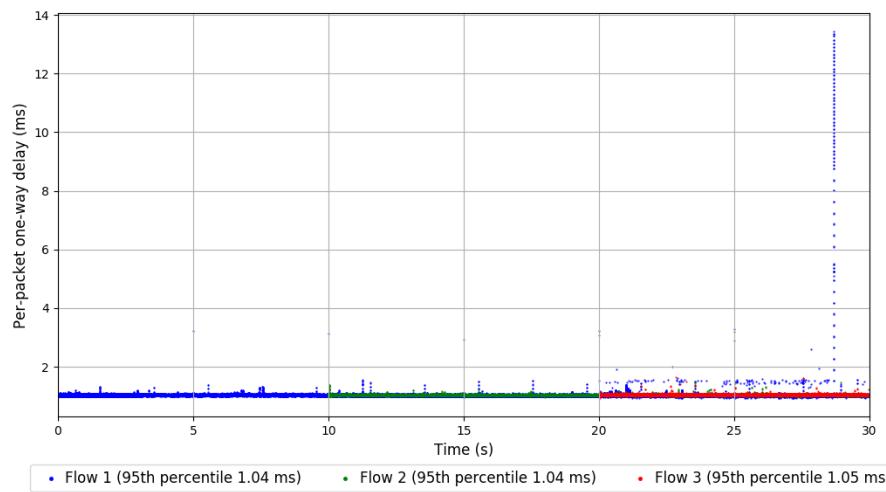
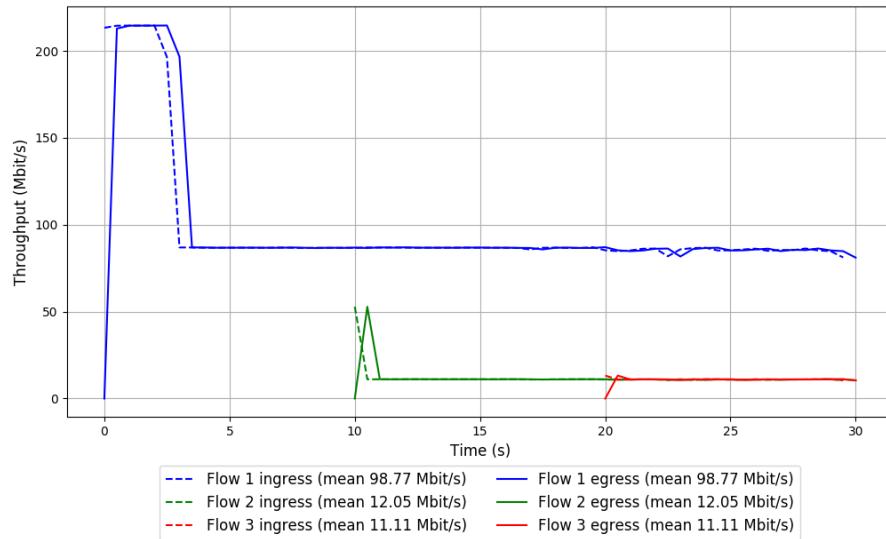


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-11-30 16:18:52
End at: 2018-11-30 16:19:22
Local clock offset: -0.199 ms
Remote clock offset: 0.049 ms

# Below is generated by plot.py at 2018-11-30 18:36:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 110.48 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 98.77 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 1.042 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 0.01%
```

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

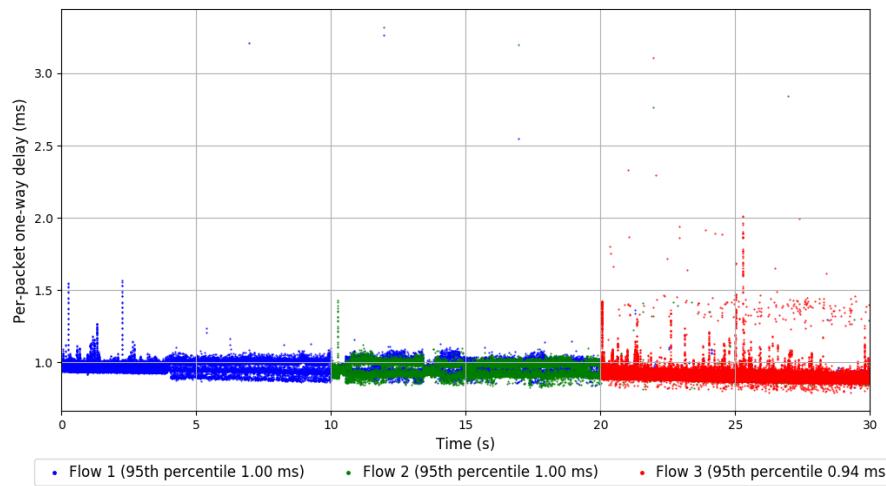
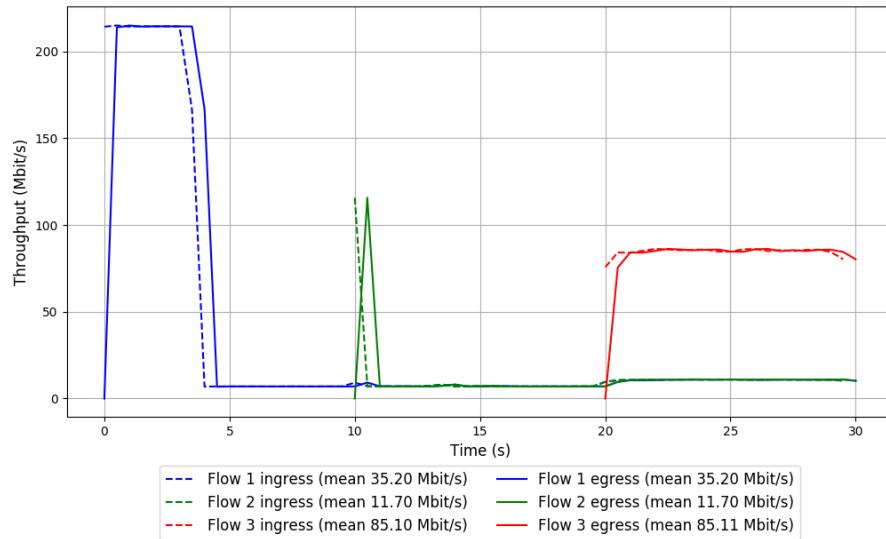


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-11-30 16:46:23
End at: 2018-11-30 16:46:53
Local clock offset: -0.268 ms
Remote clock offset: -2.436 ms

# Below is generated by plot.py at 2018-11-30 18:36:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.21 Mbit/s
95th percentile per-packet one-way delay: 0.989 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 35.20 Mbit/s
95th percentile per-packet one-way delay: 0.996 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.70 Mbit/s
95th percentile per-packet one-way delay: 0.997 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 85.11 Mbit/s
95th percentile per-packet one-way delay: 0.935 ms
Loss rate: 0.02%
```

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

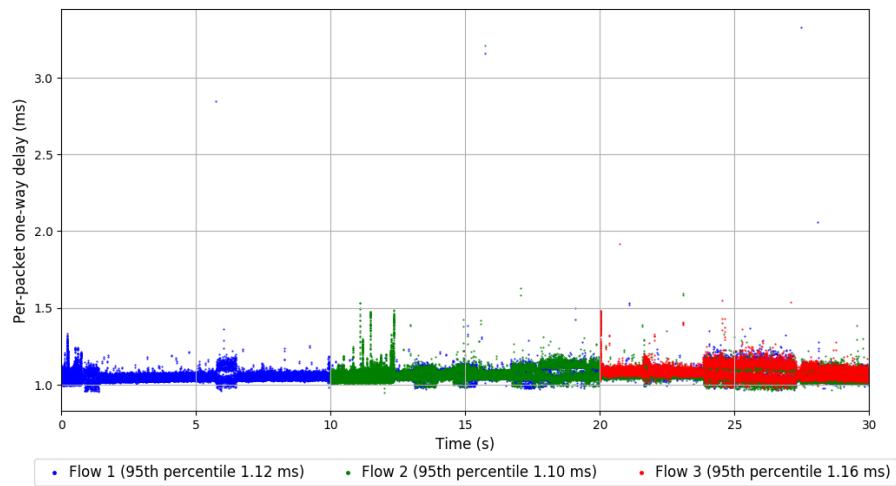
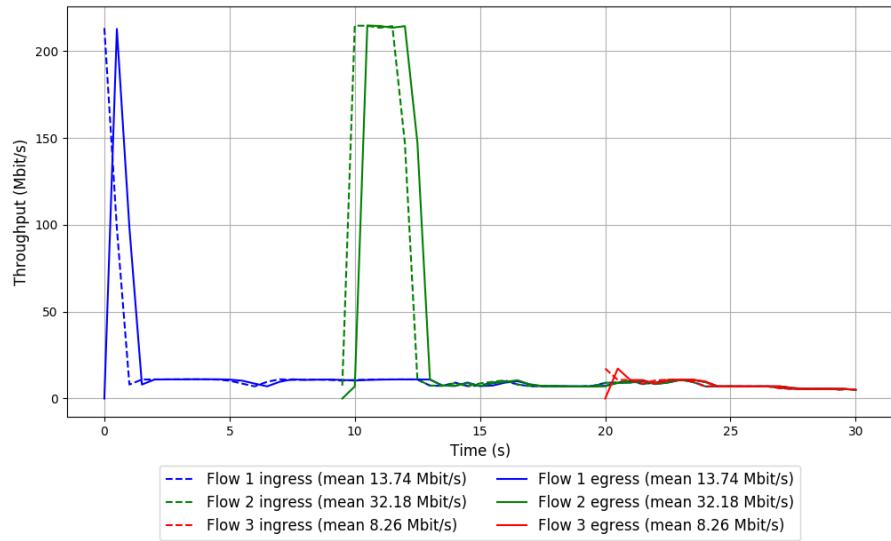


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-11-30 17:13:58
End at: 2018-11-30 17:14:28
Local clock offset: -0.34 ms
Remote clock offset: -4.054 ms

# Below is generated by plot.py at 2018-11-30 18:36:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.74 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.26 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.02%
```

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

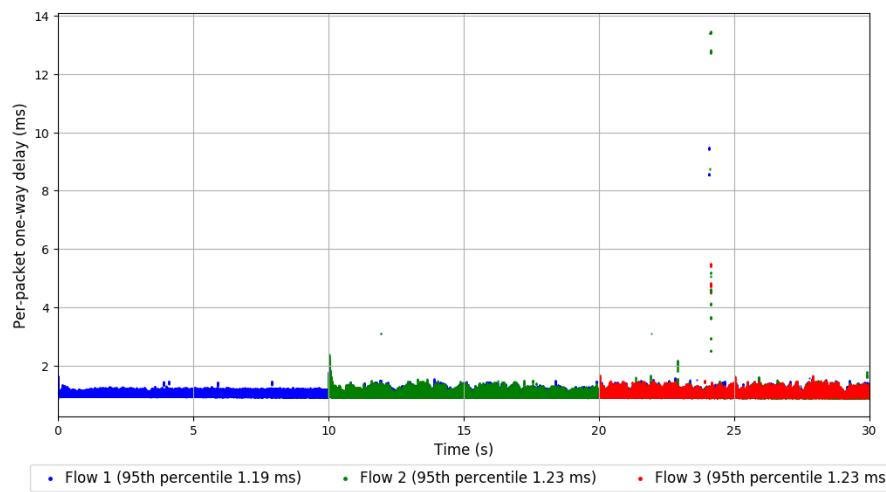
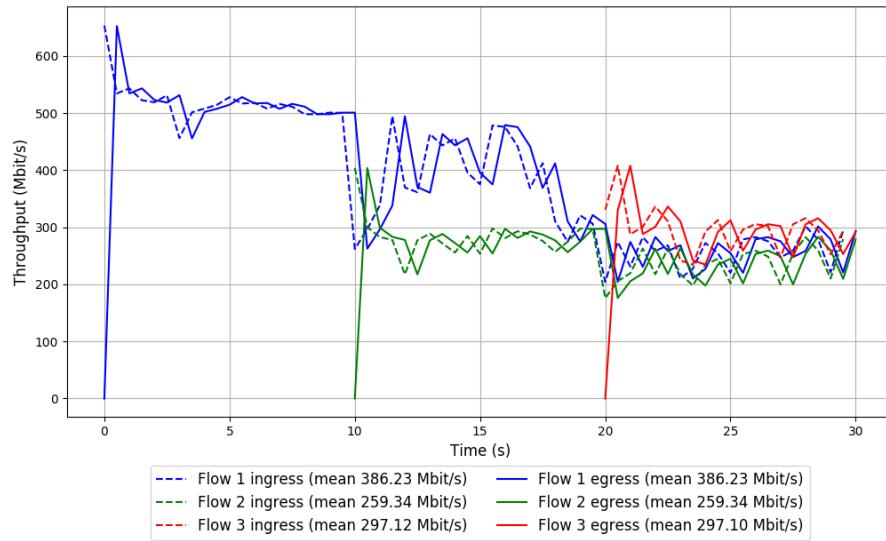


Run 1: Statistics of TCP Vegas

```
Start at: 2018-11-30 15:35:55
End at: 2018-11-30 15:36:25
Local clock offset: 3.453 ms
Remote clock offset: 0.772 ms

# Below is generated by plot.py at 2018-11-30 18:41:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 657.79 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 386.23 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 259.34 Mbit/s
95th percentile per-packet one-way delay: 1.230 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 297.10 Mbit/s
95th percentile per-packet one-way delay: 1.231 ms
Loss rate: 0.02%
```

Run 1: Report of TCP Vegas — Data Link

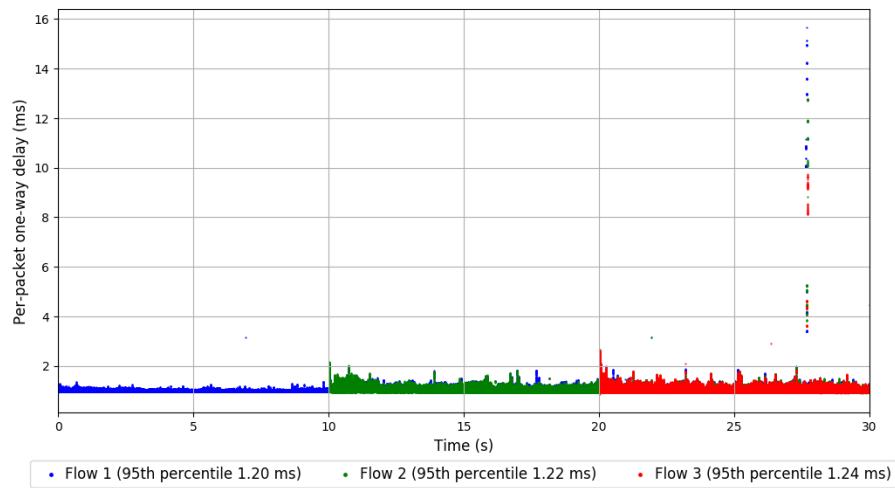
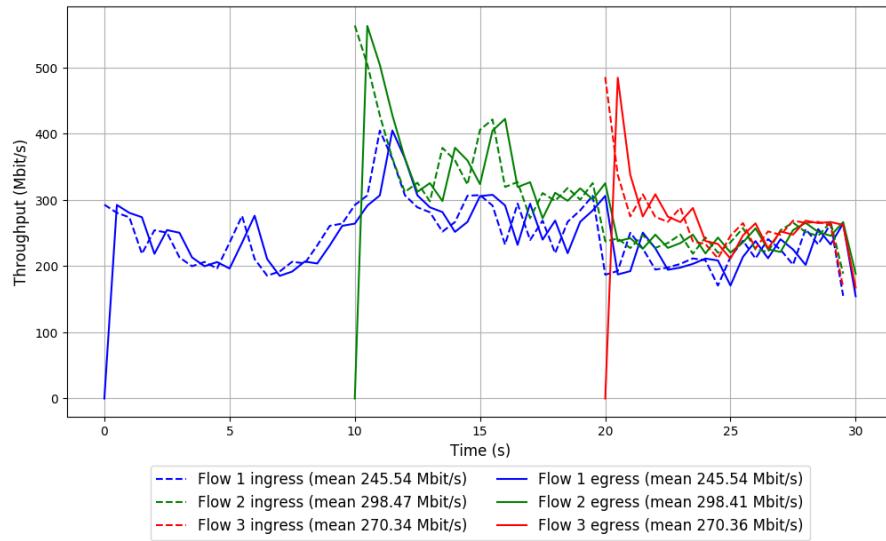


Run 2: Statistics of TCP Vegas

```
Start at: 2018-11-30 16:03:39
End at: 2018-11-30 16:04:09
Local clock offset: 0.217 ms
Remote clock offset: 1.223 ms

# Below is generated by plot.py at 2018-11-30 18:41:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 534.14 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 245.54 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 298.41 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 270.36 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.01%
```

Run 2: Report of TCP Vegas — Data Link

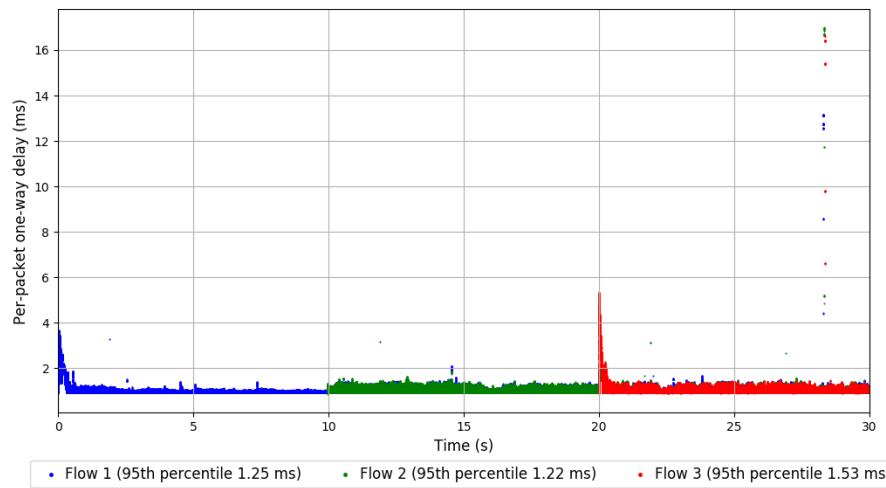
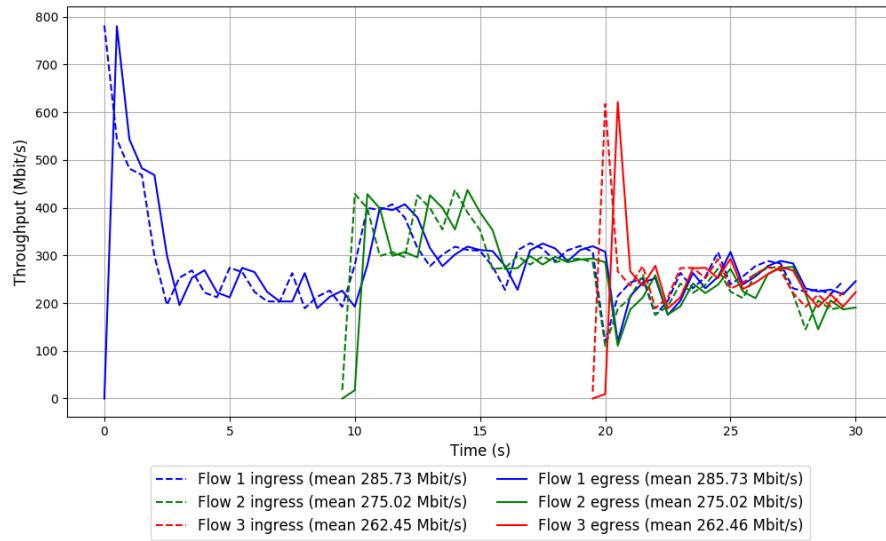


Run 3: Statistics of TCP Vegas

```
Start at: 2018-11-30 16:31:23
End at: 2018-11-30 16:31:53
Local clock offset: -0.184 ms
Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2018-11-30 18:41:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 556.52 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 285.73 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 275.02 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 262.46 Mbit/s
95th percentile per-packet one-way delay: 1.535 ms
Loss rate: 0.02%
```

Run 3: Report of TCP Vegas — Data Link

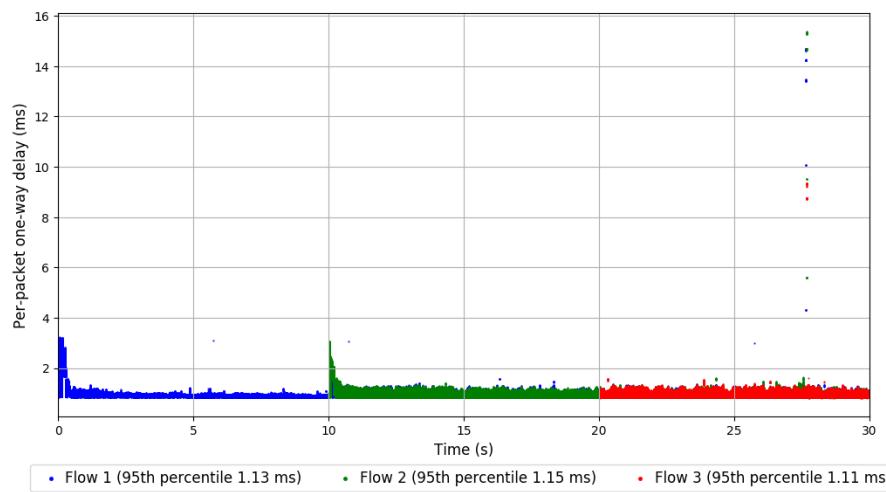
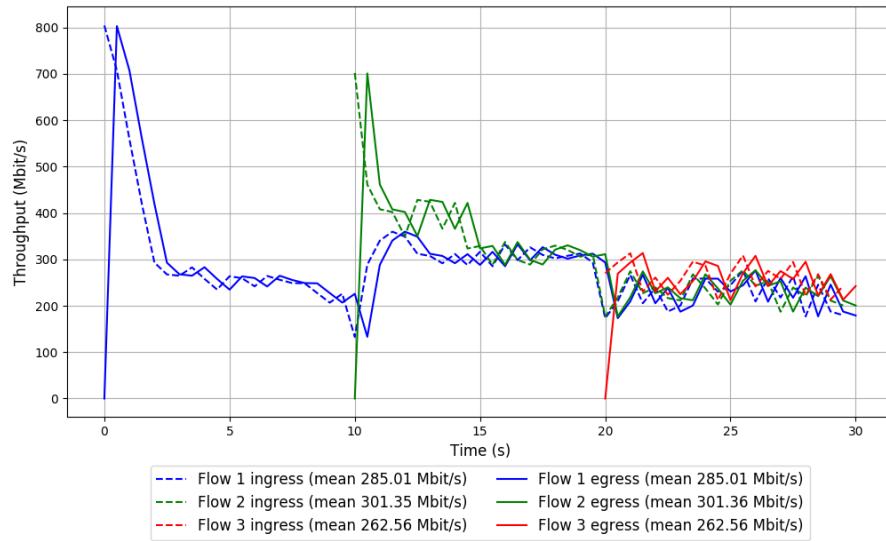


Run 4: Statistics of TCP Vegas

```
Start at: 2018-11-30 16:58:49
End at: 2018-11-30 16:59:19
Local clock offset: -0.269 ms
Remote clock offset: -3.626 ms

# Below is generated by plot.py at 2018-11-30 18:41:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 573.07 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 285.01 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 301.36 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 262.56 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.01%
```

Run 4: Report of TCP Vegas — Data Link

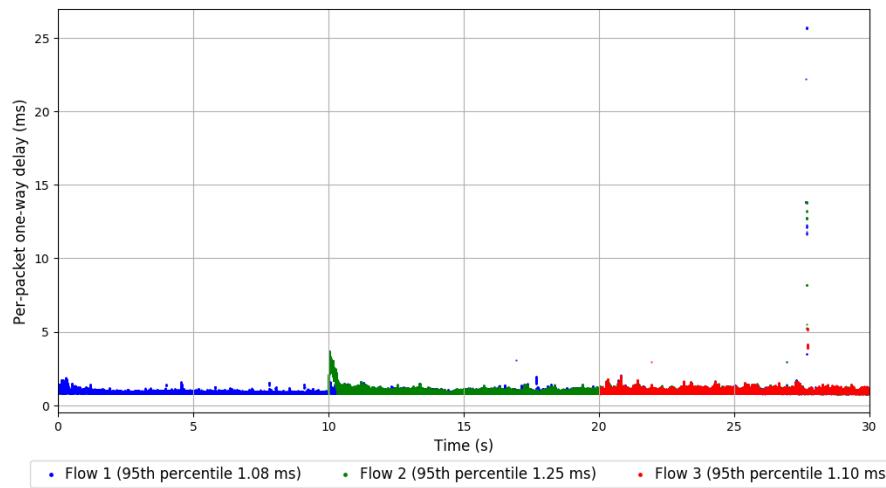
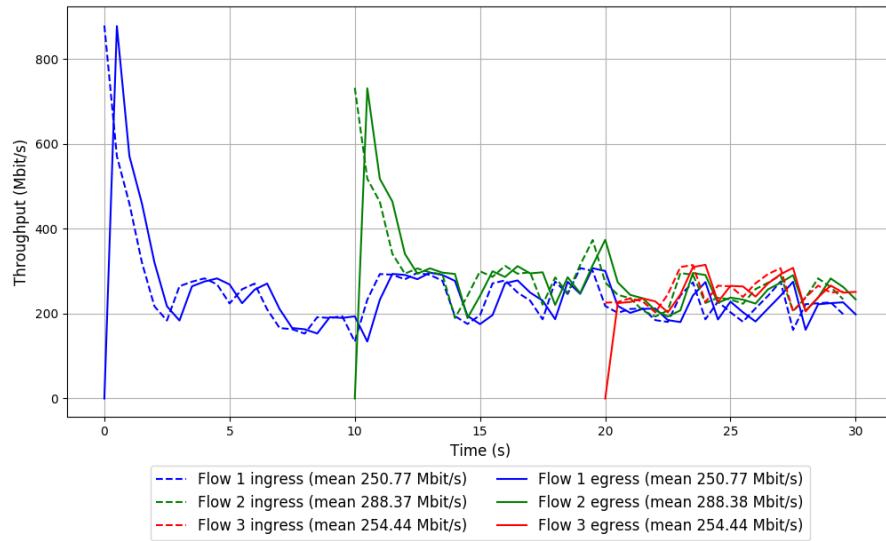


Run 5: Statistics of TCP Vegas

```
Start at: 2018-11-30 17:26:27
End at: 2018-11-30 17:26:57
Local clock offset: 2.366 ms
Remote clock offset: -3.566 ms

# Below is generated by plot.py at 2018-11-30 18:41:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 527.41 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 250.77 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 288.38 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 254.44 Mbit/s
95th percentile per-packet one-way delay: 1.104 ms
Loss rate: 0.02%
```

Run 5: Report of TCP Vegas — Data Link

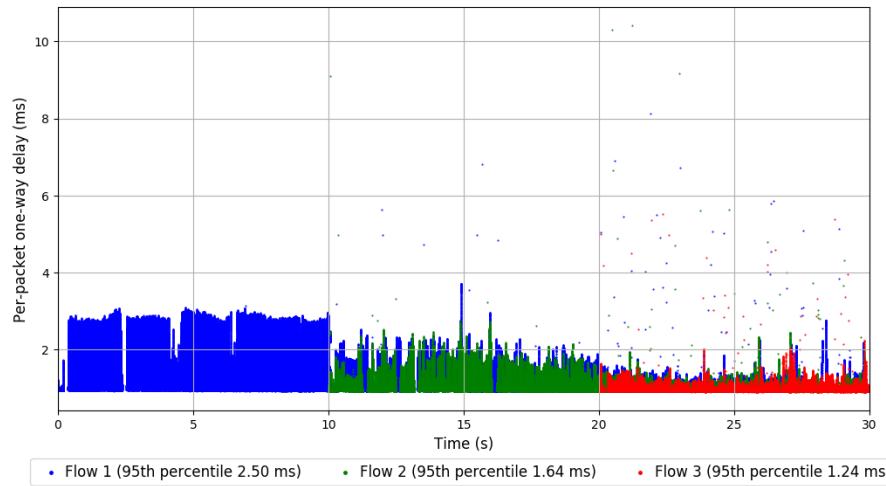
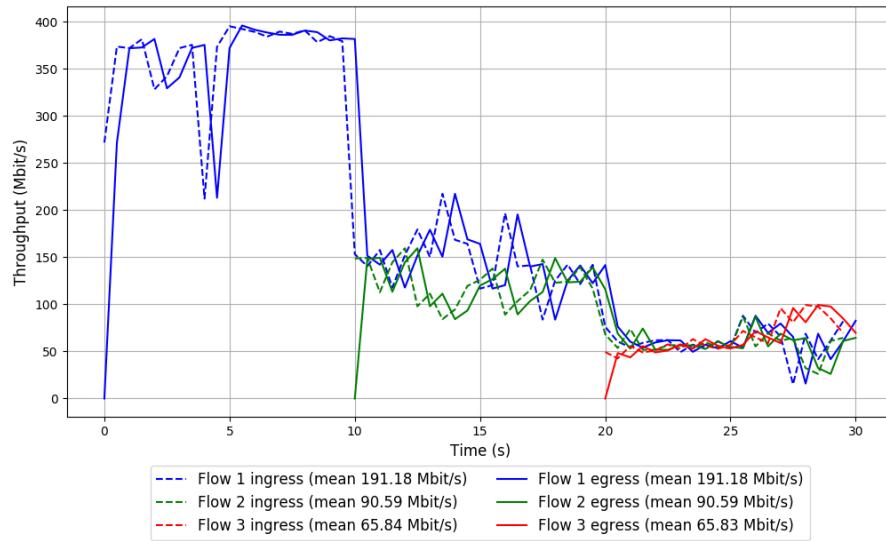


Run 1: Statistics of Verus

```
Start at: 2018-11-30 15:39:10
End at: 2018-11-30 15:39:40
Local clock offset: 3.679 ms
Remote clock offset: 0.739 ms

# Below is generated by plot.py at 2018-11-30 18:41:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 272.48 Mbit/s
95th percentile per-packet one-way delay: 2.365 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.18 Mbit/s
95th percentile per-packet one-way delay: 2.500 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 90.59 Mbit/s
95th percentile per-packet one-way delay: 1.641 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.83 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.00%
```

Run 1: Report of Verus — Data Link

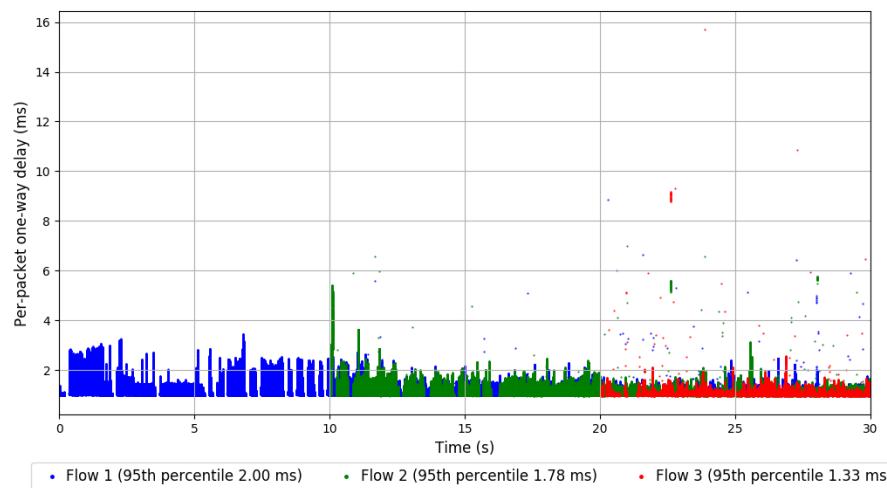
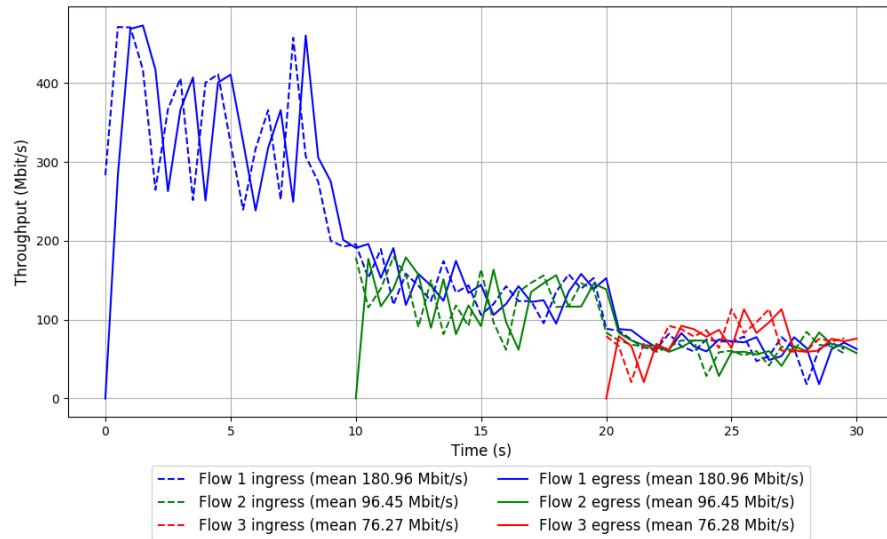


Run 2: Statistics of Verus

```
Start at: 2018-11-30 16:06:50
End at: 2018-11-30 16:07:20
Local clock offset: 0.054 ms
Remote clock offset: 0.774 ms

# Below is generated by plot.py at 2018-11-30 18:41:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 270.52 Mbit/s
95th percentile per-packet one-way delay: 1.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.96 Mbit/s
95th percentile per-packet one-way delay: 1.998 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 1.785 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 76.28 Mbit/s
95th percentile per-packet one-way delay: 1.327 ms
Loss rate: 0.02%
```

Run 2: Report of Verus — Data Link

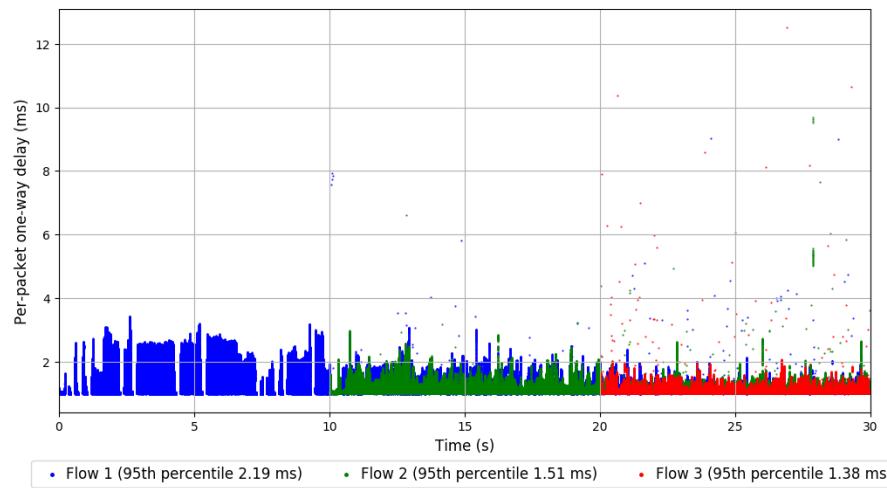
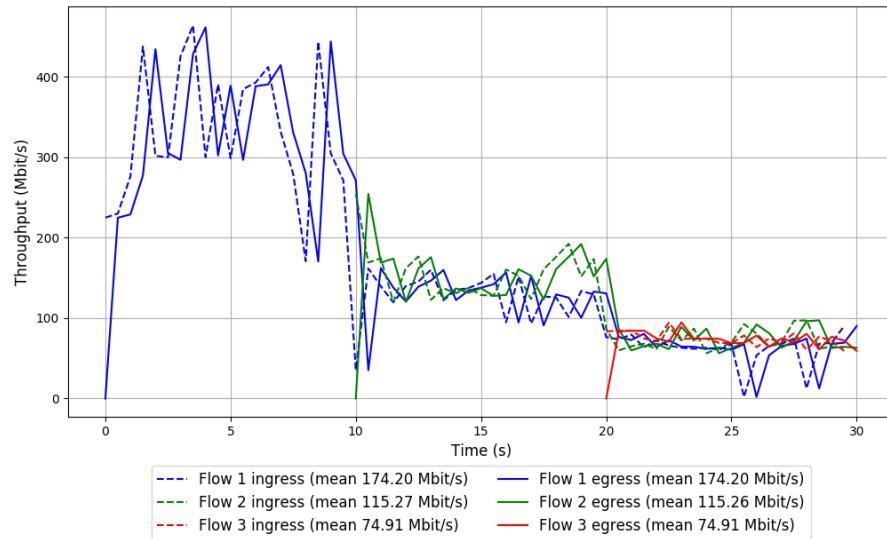


Run 3: Statistics of Verus

```
Start at: 2018-11-30 16:34:35
End at: 2018-11-30 16:35:05
Local clock offset: -0.218 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-11-30 18:41:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 275.79 Mbit/s
95th percentile per-packet one-way delay: 2.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 174.20 Mbit/s
95th percentile per-packet one-way delay: 2.189 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 115.26 Mbit/s
95th percentile per-packet one-way delay: 1.510 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 74.91 Mbit/s
95th percentile per-packet one-way delay: 1.375 ms
Loss rate: 0.00%
```

Run 3: Report of Verus — Data Link

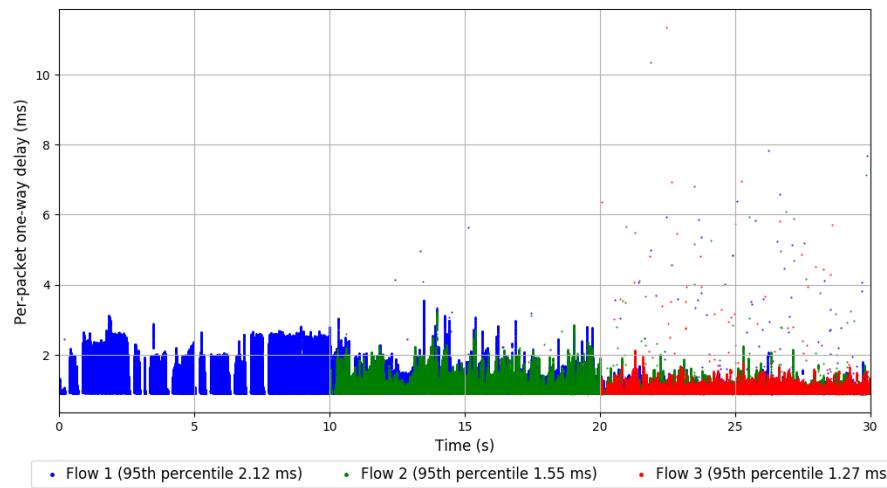
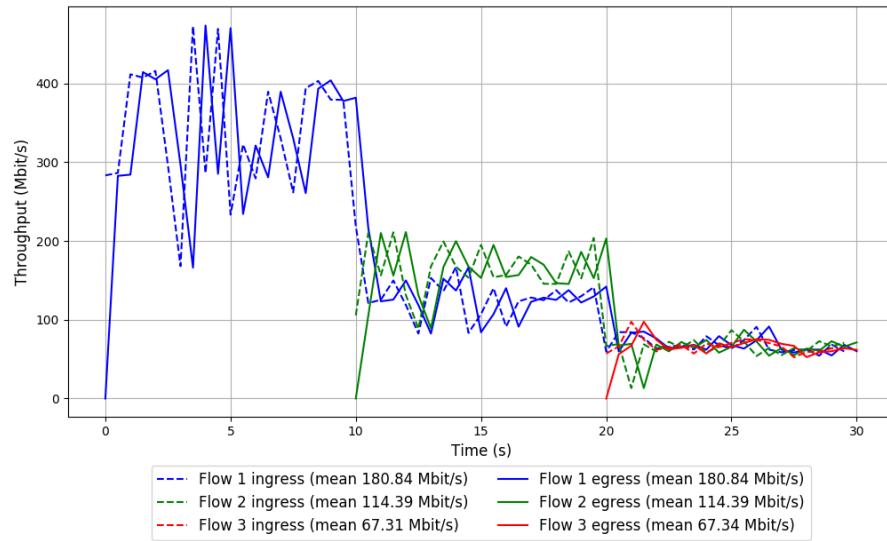


Run 4: Statistics of Verus

```
Start at: 2018-11-30 17:02:02
End at: 2018-11-30 17:02:32
Local clock offset: -0.268 ms
Remote clock offset: -3.853 ms

# Below is generated by plot.py at 2018-11-30 18:42:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 279.23 Mbit/s
95th percentile per-packet one-way delay: 1.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.84 Mbit/s
95th percentile per-packet one-way delay: 2.116 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 114.39 Mbit/s
95th percentile per-packet one-way delay: 1.546 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.34 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.03%
```

Run 4: Report of Verus — Data Link

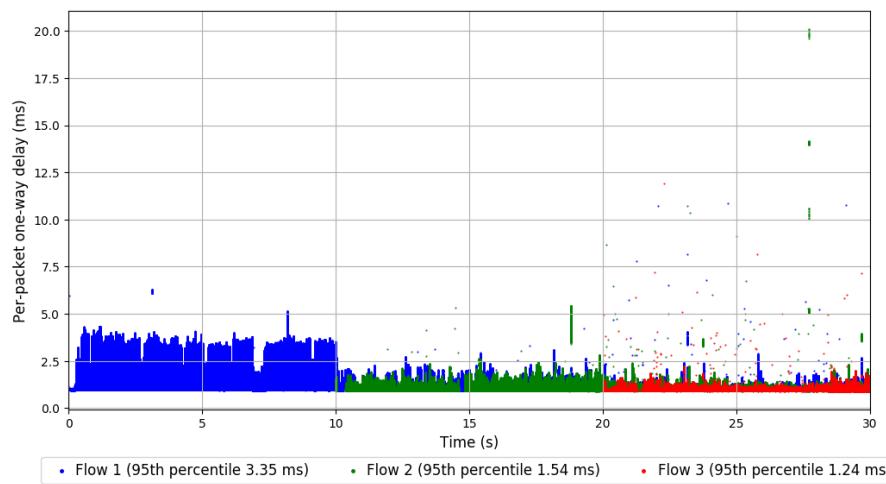
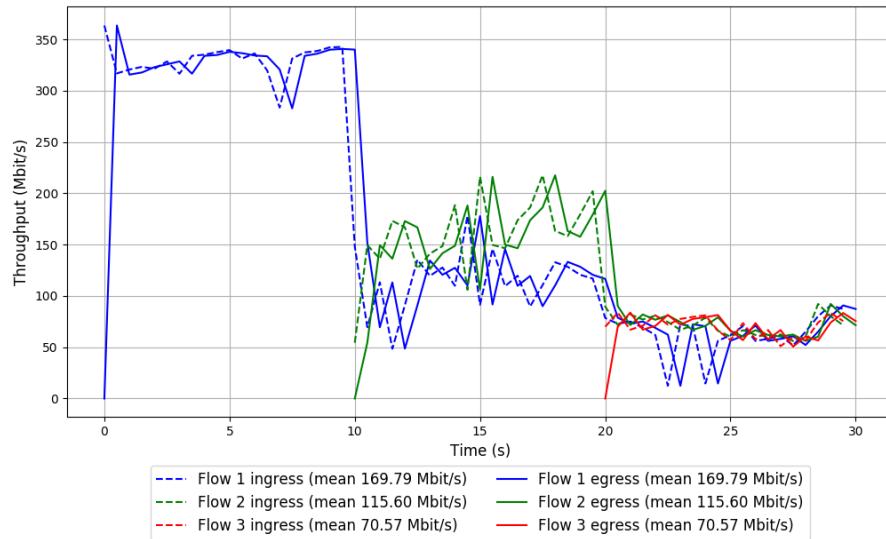


Run 5: Statistics of Verus

```
Start at: 2018-11-30 17:29:37
End at: 2018-11-30 17:30:07
Local clock offset: 2.758 ms
Remote clock offset: -3.618 ms

# Below is generated by plot.py at 2018-11-30 18:42:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 270.22 Mbit/s
95th percentile per-packet one-way delay: 3.228 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 169.79 Mbit/s
95th percentile per-packet one-way delay: 3.350 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 115.60 Mbit/s
95th percentile per-packet one-way delay: 1.543 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.57 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link

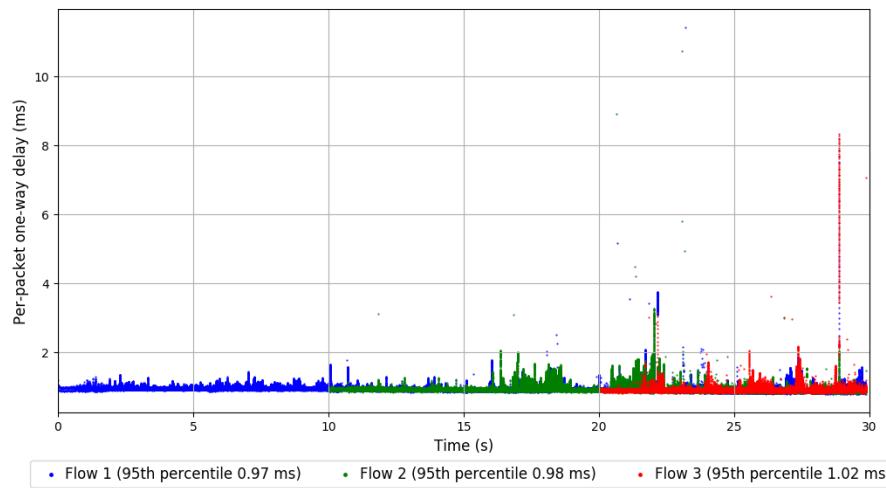
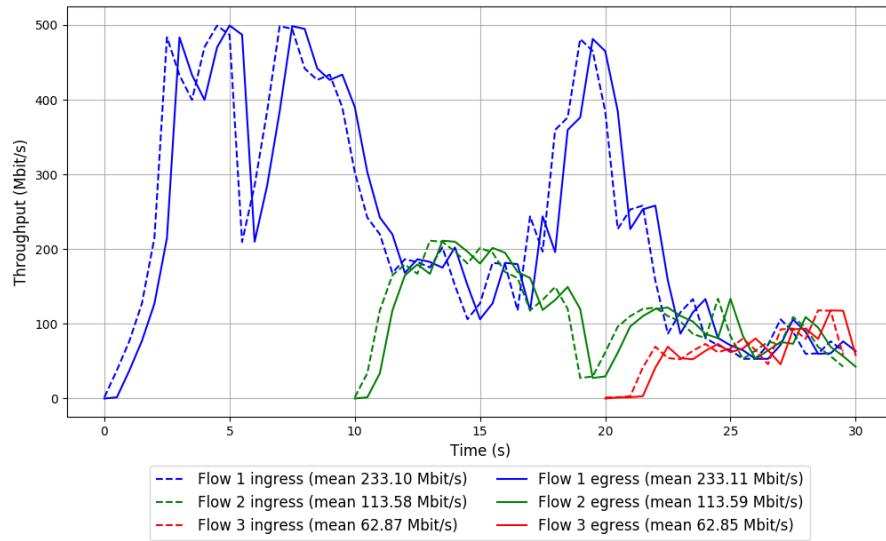


```
Run 1: Statistics of PCC-Vivace

Start at: 2018-11-30 15:31:38
End at: 2018-11-30 15:32:08
Local clock offset: 3.126 ms
Remote clock offset: 0.942 ms

# Below is generated by plot.py at 2018-11-30 18:43:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 329.35 Mbit/s
95th percentile per-packet one-way delay: 0.973 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.11 Mbit/s
95th percentile per-packet one-way delay: 0.971 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 113.59 Mbit/s
95th percentile per-packet one-way delay: 0.981 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.85 Mbit/s
95th percentile per-packet one-way delay: 1.017 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Vivace — Data Link

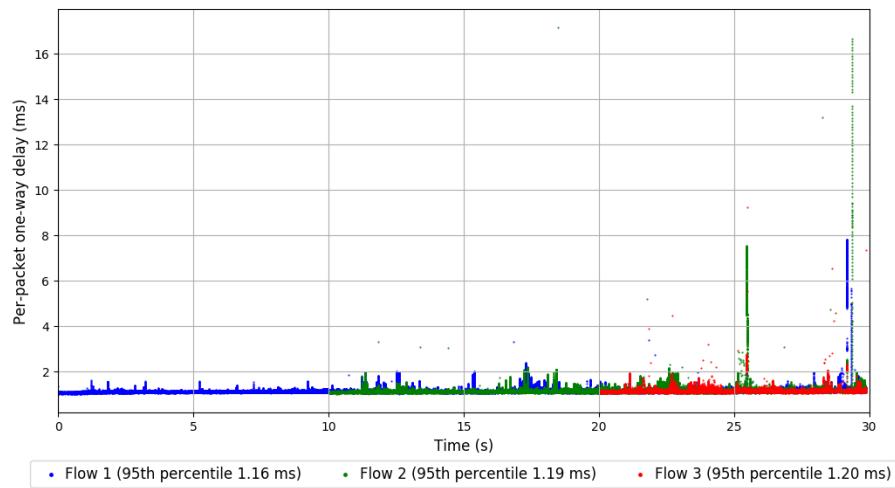
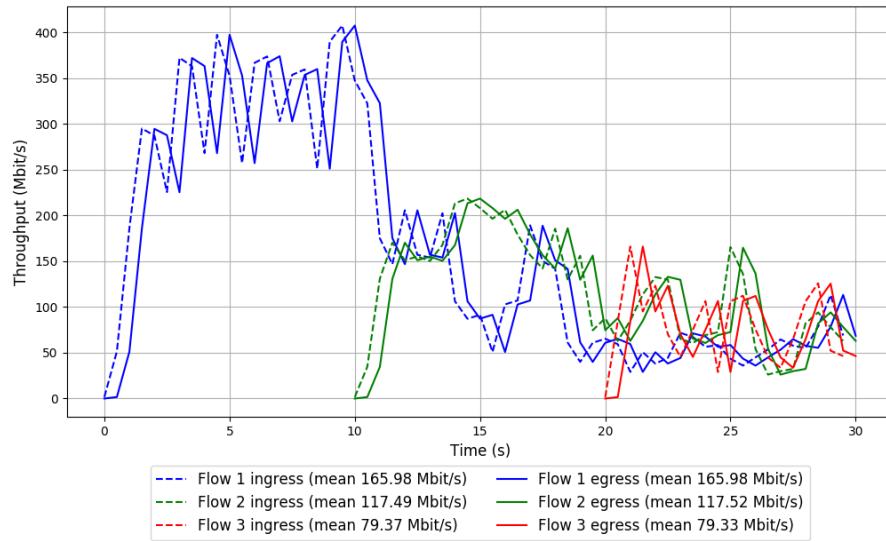


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-11-30 15:59:26
End at: 2018-11-30 15:59:56
Local clock offset: 0.578 ms
Remote clock offset: 1.227 ms

# Below is generated by plot.py at 2018-11-30 18:43:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 270.26 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 165.98 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 117.52 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 79.33 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.01%
```

Run 2: Report of PCC-Vivace — Data Link

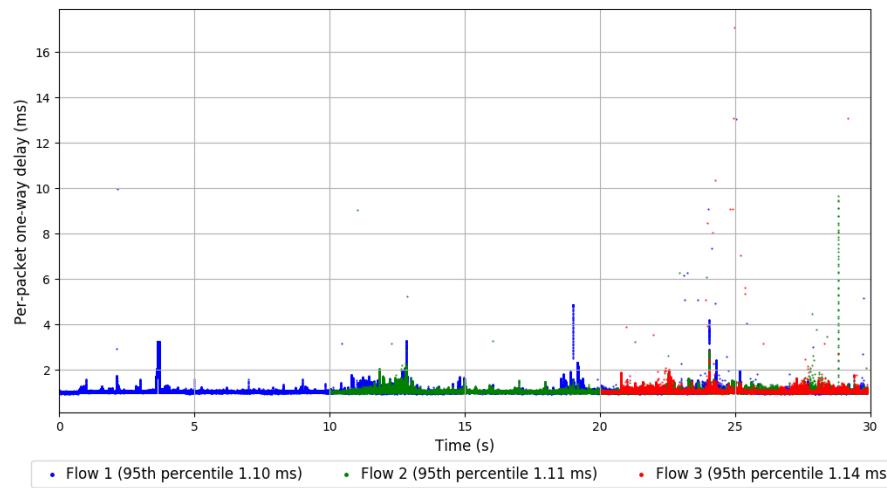
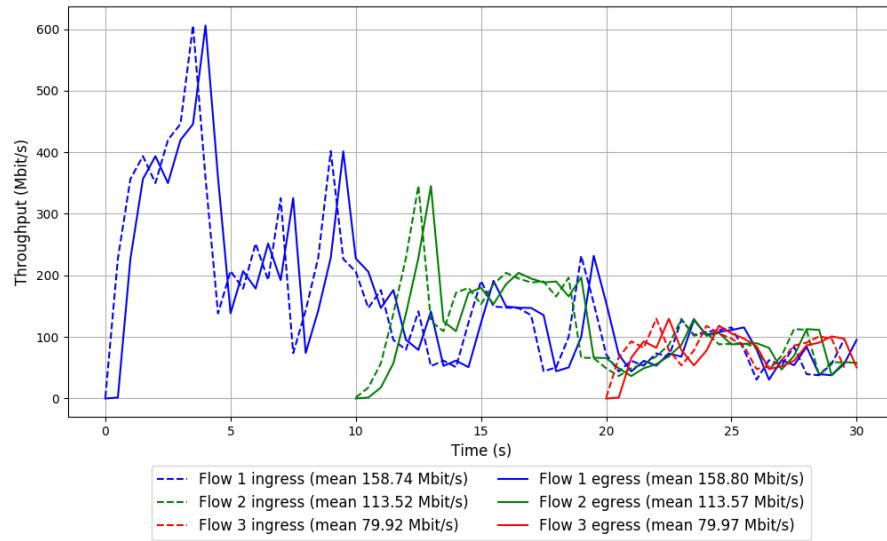


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-11-30 16:27:08
End at: 2018-11-30 16:27:38
Local clock offset: -0.162 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-11-30 18:43:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 260.71 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 158.80 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 113.57 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 79.97 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Vivace — Data Link

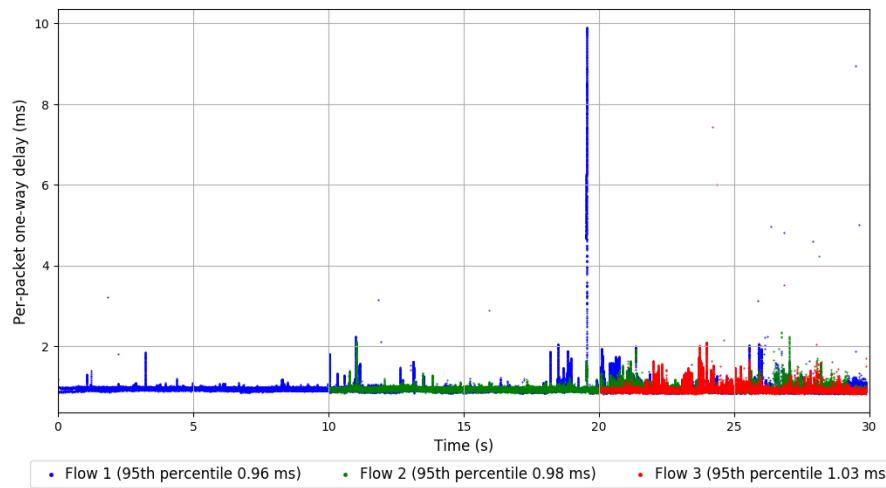
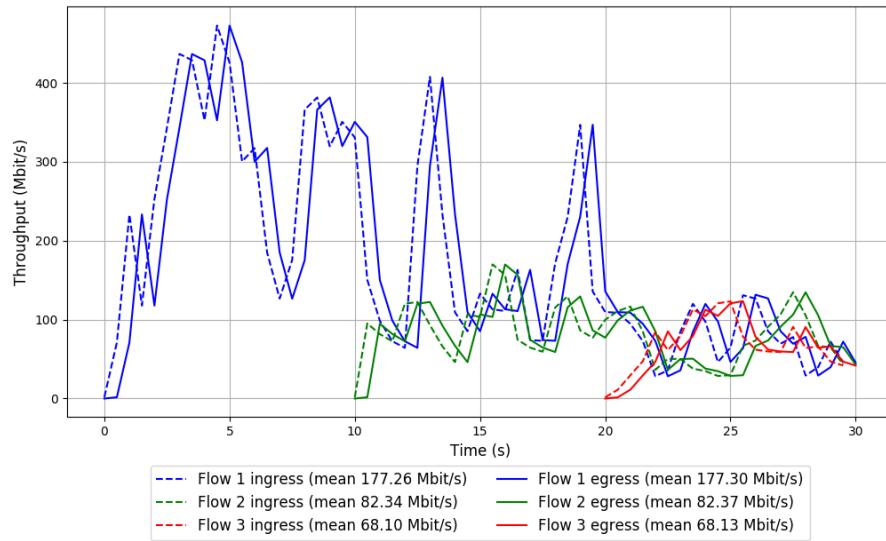


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-11-30 16:54:34
End at: 2018-11-30 16:55:04
Local clock offset: -0.253 ms
Remote clock offset: -3.392 ms

# Below is generated by plot.py at 2018-11-30 18:43:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 254.57 Mbit/s
95th percentile per-packet one-way delay: 0.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.30 Mbit/s
95th percentile per-packet one-way delay: 0.965 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 82.37 Mbit/s
95th percentile per-packet one-way delay: 0.985 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 68.13 Mbit/s
95th percentile per-packet one-way delay: 1.029 ms
Loss rate: 0.01%
```

Run 4: Report of PCC-Vivace — Data Link

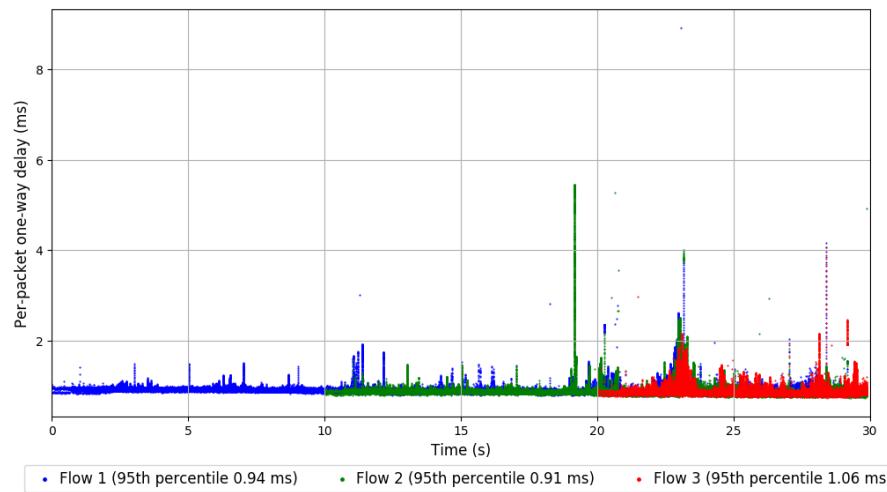
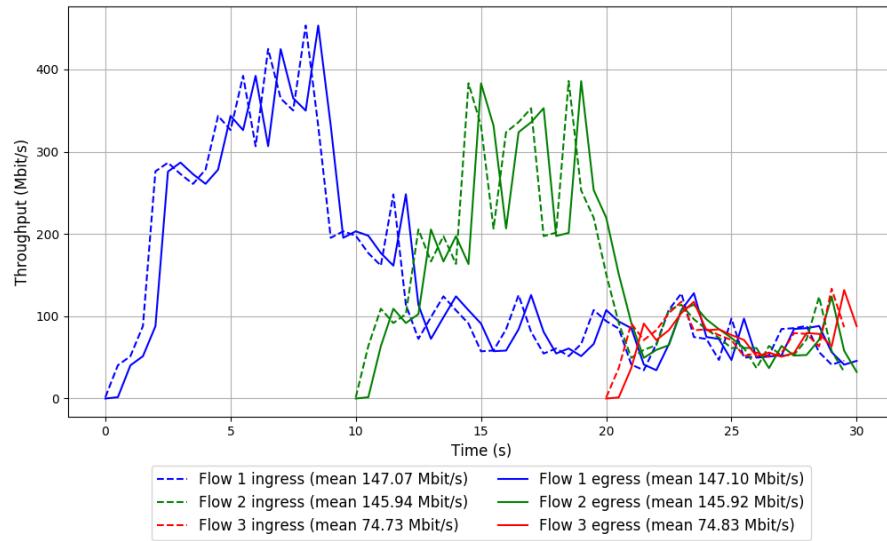


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-11-30 17:22:10
End at: 2018-11-30 17:22:40
Local clock offset: 1.725 ms
Remote clock offset: -3.679 ms

# Below is generated by plot.py at 2018-11-30 18:43:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 268.81 Mbit/s
95th percentile per-packet one-way delay: 0.942 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.10 Mbit/s
95th percentile per-packet one-way delay: 0.944 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 145.92 Mbit/s
95th percentile per-packet one-way delay: 0.911 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 74.83 Mbit/s
95th percentile per-packet one-way delay: 1.064 ms
Loss rate: 0.03%
```

Run 5: Report of PCC-Vivace — Data Link

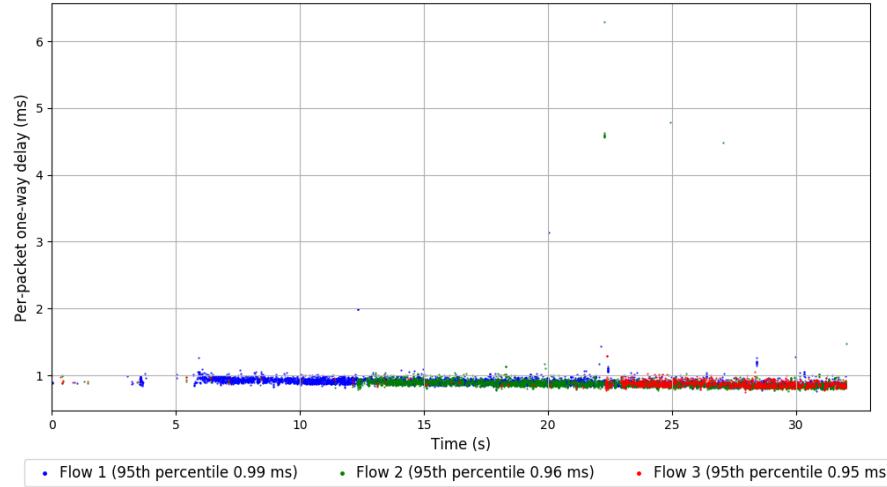
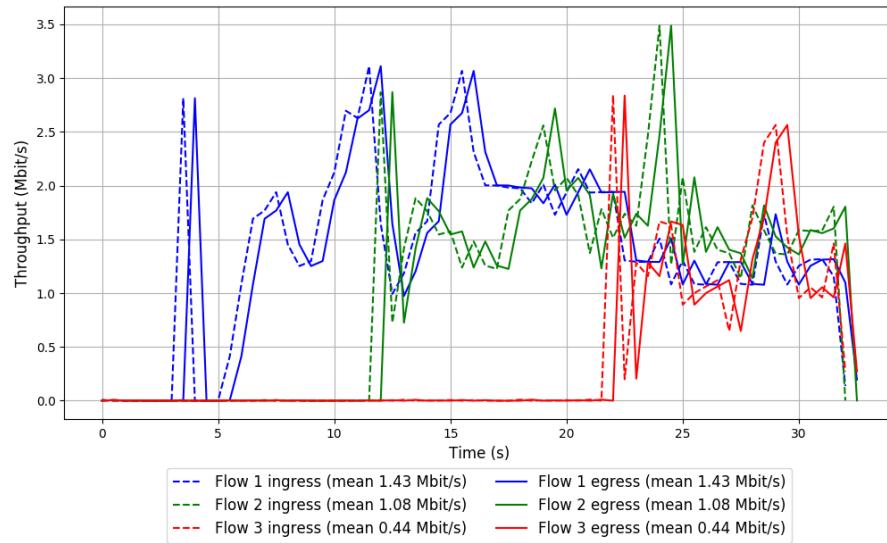


Run 1: Statistics of WebRTC media

```
Start at: 2018-11-30 15:30:25
End at: 2018-11-30 15:30:55
Local clock offset: 3.016 ms
Remote clock offset: 1.079 ms

# Below is generated by plot.py at 2018-11-30 18:43:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 0.973 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 0.986 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 0.956 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 0.948 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

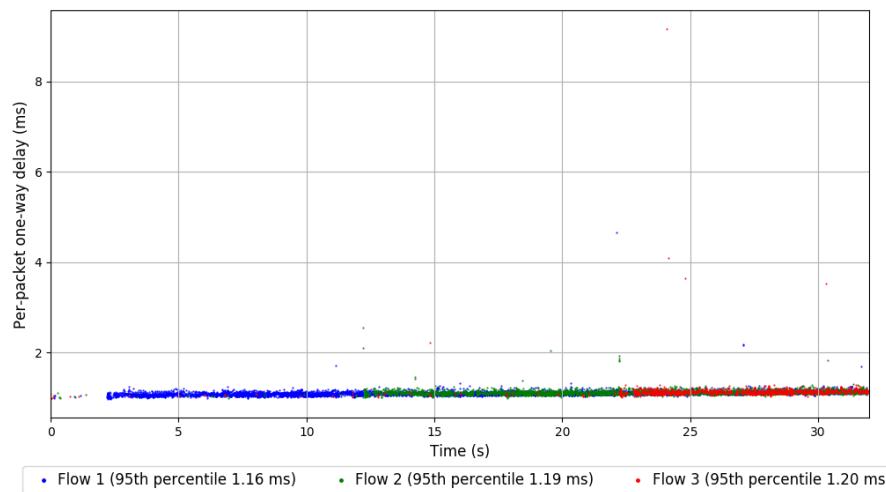
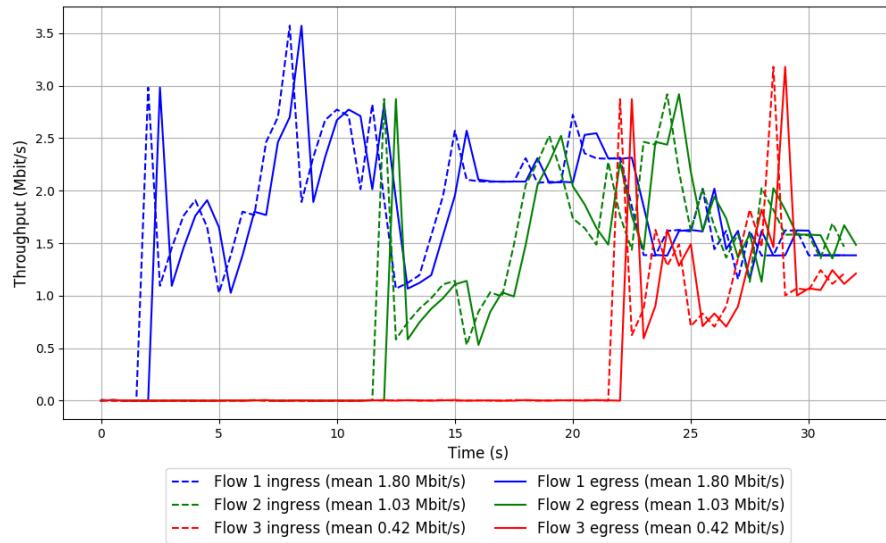


Run 2: Statistics of WebRTC media

```
Start at: 2018-11-30 15:58:12
End at: 2018-11-30 15:58:42
Local clock offset: 0.688 ms
Remote clock offset: 1.193 ms

# Below is generated by plot.py at 2018-11-30 18:43:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

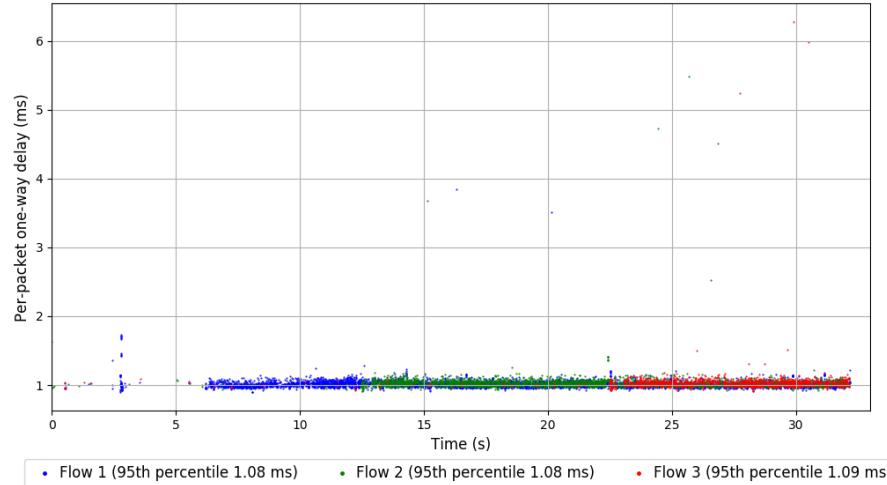
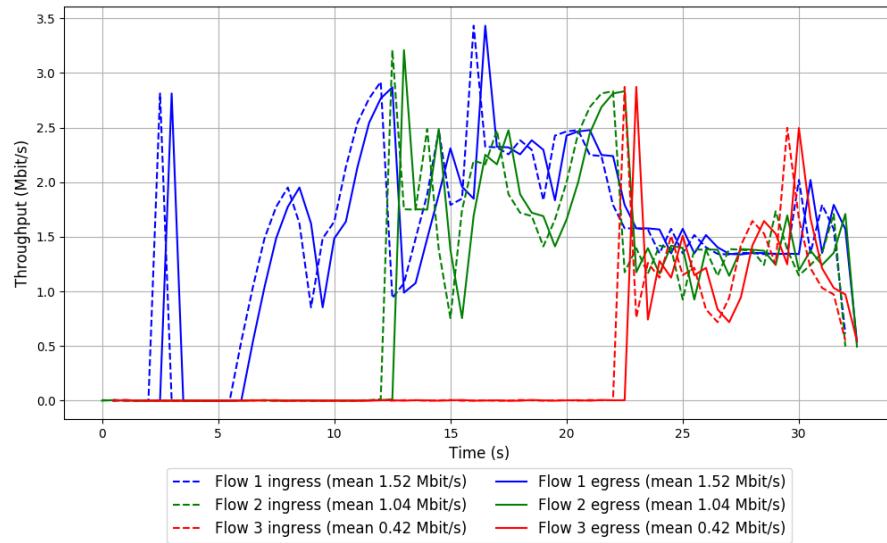


Run 3: Statistics of WebRTC media

```
Start at: 2018-11-30 16:25:54
End at: 2018-11-30 16:26:24
Local clock offset: -0.167 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-11-30 18:43:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

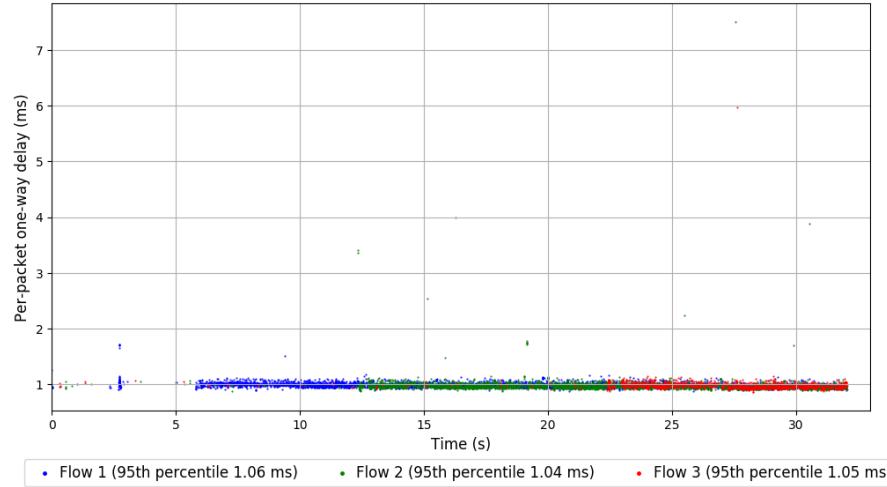
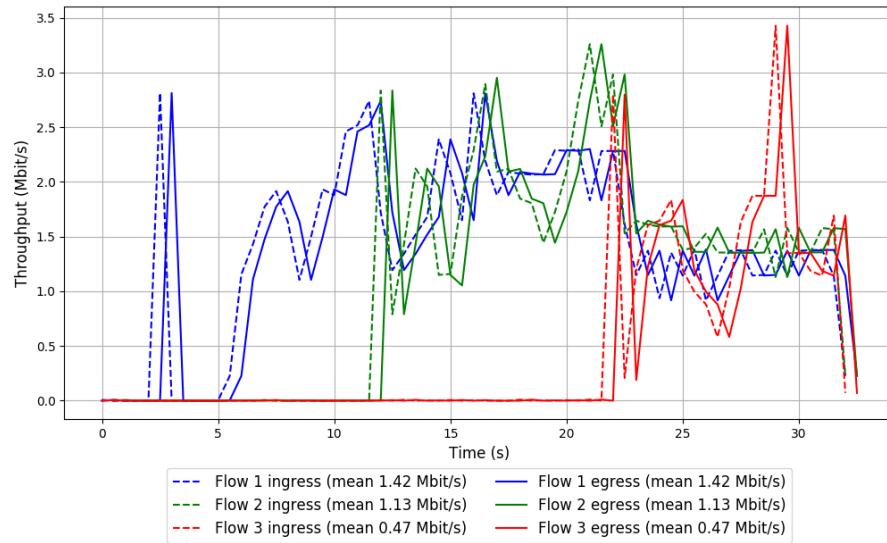


Run 4: Statistics of WebRTC media

```
Start at: 2018-11-30 16:53:20
End at: 2018-11-30 16:53:50
Local clock offset: -0.235 ms
Remote clock offset: -3.298 ms

# Below is generated by plot.py at 2018-11-30 18:43:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 1.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 1.045 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2018-11-30 17:20:56
End at: 2018-11-30 17:21:26
Local clock offset: 1.471 ms
Remote clock offset: -3.636 ms

# Below is generated by plot.py at 2018-11-30 18:43:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.31 Mbit/s
95th percentile per-packet one-way delay: 0.887 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 0.900 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 0.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 0.850 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

