

Pantheon Report

Generated at 2019-11-24 09:55:15 (UTC).
Data path: GCE London on `ens4` (*remote*) → GCE Tokyo on `ens4` (*local*).
Repeated the test of 24 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.google.com` and have been applied to correct the timestamps in logs.

System info:

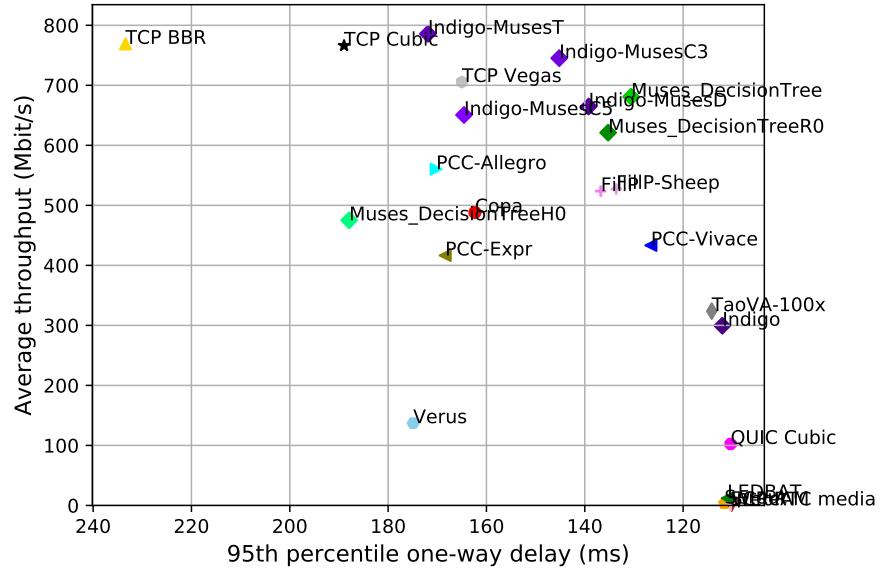
```
Linux 4.15.0-1044-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

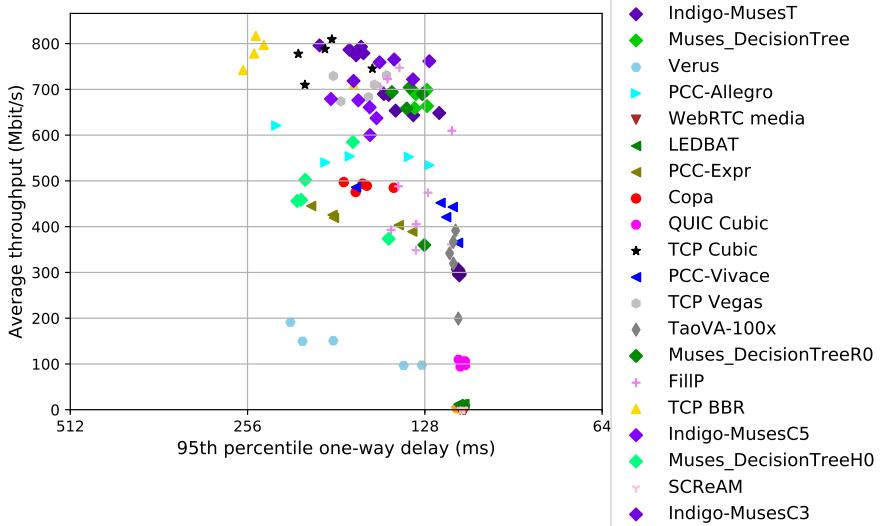
```
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec
third_party/fillp @ d6da1459332fce6963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
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 GCE London to GCE Tokyo, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE London to GCE Tokyo, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows



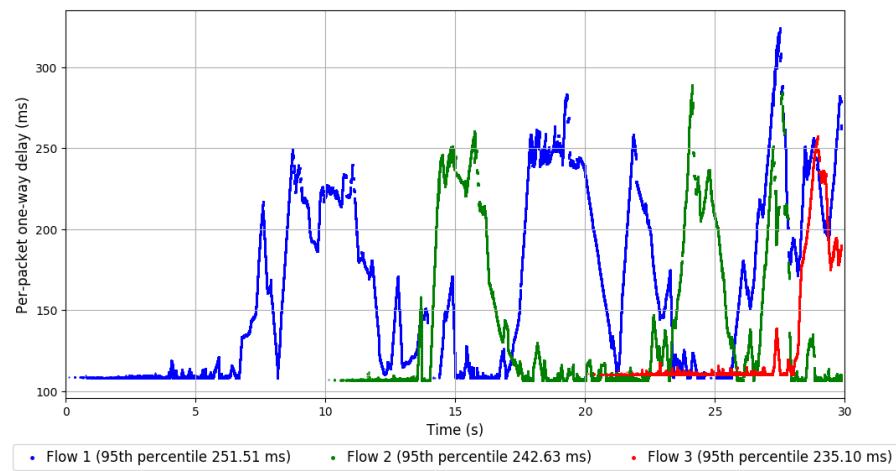
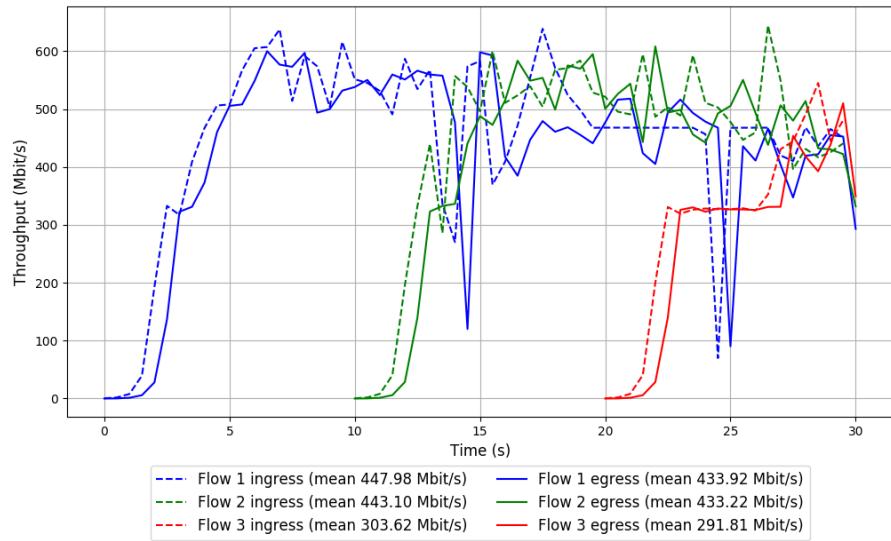
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	425.86	377.74	282.50	235.99	228.94	144.36	2.94	3.34	3.95
Copa	5	260.63	248.43	191.79	162.41	156.89	166.30	0.65	1.13	3.15
TCP Cubic	5	411.33	386.78	299.39	170.71	188.41	167.25	0.82	1.33	3.30
FillP	5	239.24	319.39	223.91	151.03	115.51	113.43	0.97	0.95	2.71
FillP-Sheep	5	243.25	315.82	229.69	149.16	114.20	112.53	0.92	0.97	2.60
Indigo	5	156.63	151.65	128.59	112.48	110.70	110.59	0.78	1.19	2.72
Indigo-MusesC3	5	443.06	367.19	269.16	153.39	121.76	115.98	0.56	1.11	3.91
Indigo-MusesC5	5	387.78	330.22	215.00	173.51	143.35	115.18	0.60	0.90	6.37
Indigo-MusesD	5	410.09	350.09	123.90	146.51	131.98	110.01	0.56	1.26	3.91
Indigo-MusesT	5	483.82	402.37	186.98	177.62	132.74	114.13	0.76	1.06	4.29
LEDBAT	5	7.90	5.08	2.48	108.82	110.58	110.17	1.42	2.21	4.43
Muses_DecisionTree	5	403.62	329.85	192.25	135.96	116.61	115.16	0.49	1.08	3.56
Muses_DecisionTreeH0	5	220.08	281.58	221.19	183.25	178.24	148.27	3.21	1.89	2.57
Muses_DecisionTreeR0	5	319.69	354.79	216.07	138.85	131.81	113.61	0.64	1.09	3.71
PCC-Allegro	5	308.92	268.88	225.95	167.59	169.98	164.69	2.05	2.35	2.94
PCC-Expr	5	238.59	184.14	172.19	168.21	124.01	179.08	1.76	1.70	3.24
QUIC Cubic	5	59.64	42.65	43.69	109.24	107.62	108.31	0.68	2.02	0.94
SCReAM	5	0.21	0.22	0.22	110.14	108.39	108.32	0.71	1.16	2.15
Sprout	5	1.97	1.33	1.07	110.43	109.31	108.89	0.77	1.30	3.02
TaoVA-100x	5	157.75	184.51	133.10	113.11	112.63	114.81	0.77	1.28	2.29
TCP Vegas	5	377.30	352.31	287.82	144.43	159.71	213.08	0.76	1.03	3.40
Verus	5	79.64	61.10	59.14	161.51	161.15	135.90	1.00	0.45	2.78
PCC-Vivace	5	265.25	189.23	131.54	121.62	138.63	121.40	0.83	1.19	3.70
WebRTC media	5	0.06	0.06	0.06	109.09	108.13	108.93	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-11-24 03:52:34
End at: 2019-11-24 03:53:04
Local clock offset: 0.052 ms
Remote clock offset: -0.188 ms

# Below is generated by plot.py at 2019-11-24 07:23:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 817.00 Mbit/s
95th percentile per-packet one-way delay: 247.949 ms
Loss rate: 3.91%
-- Flow 1:
Average throughput: 433.92 Mbit/s
95th percentile per-packet one-way delay: 251.512 ms
Loss rate: 3.85%
-- Flow 2:
Average throughput: 433.22 Mbit/s
95th percentile per-packet one-way delay: 242.634 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 291.81 Mbit/s
95th percentile per-packet one-way delay: 235.104 ms
Loss rate: 6.02%
```

Run 1: Report of TCP BBR — Data Link

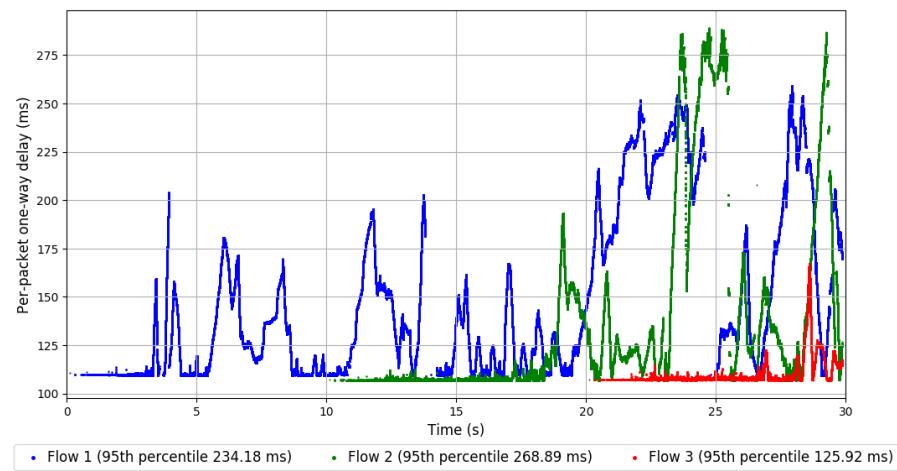
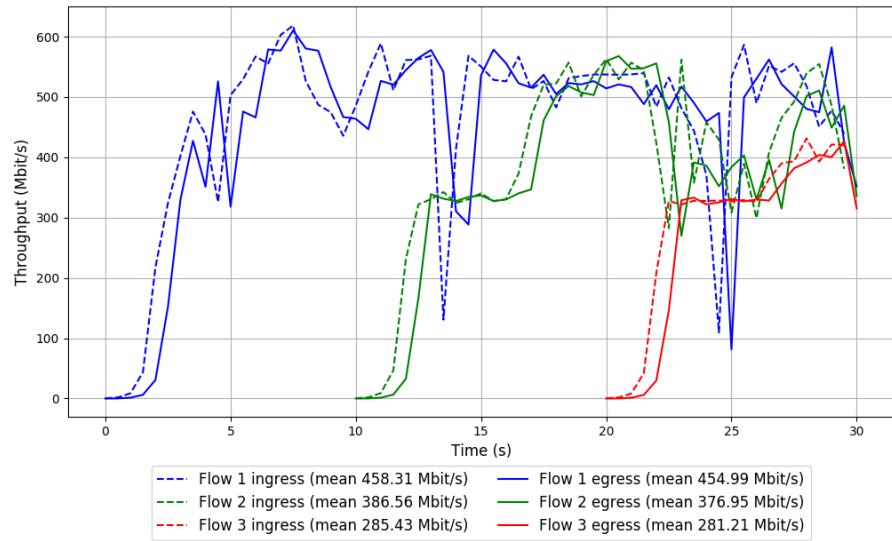


Run 2: Statistics of TCP BBR

```
Start at: 2019-11-24 04:35:07
End at: 2019-11-24 04:35:37
Local clock offset: -0.059 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2019-11-24 07:23:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 797.39 Mbit/s
95th percentile per-packet one-way delay: 240.246 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 454.99 Mbit/s
95th percentile per-packet one-way delay: 234.178 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 376.95 Mbit/s
95th percentile per-packet one-way delay: 268.890 ms
Loss rate: 3.53%
-- Flow 3:
Average throughput: 281.21 Mbit/s
95th percentile per-packet one-way delay: 125.922 ms
Loss rate: 3.60%
```

Run 2: Report of TCP BBR — Data Link

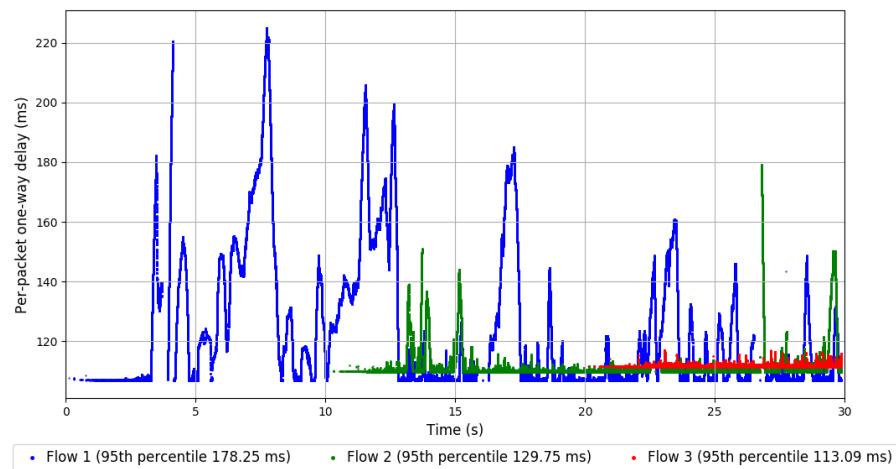
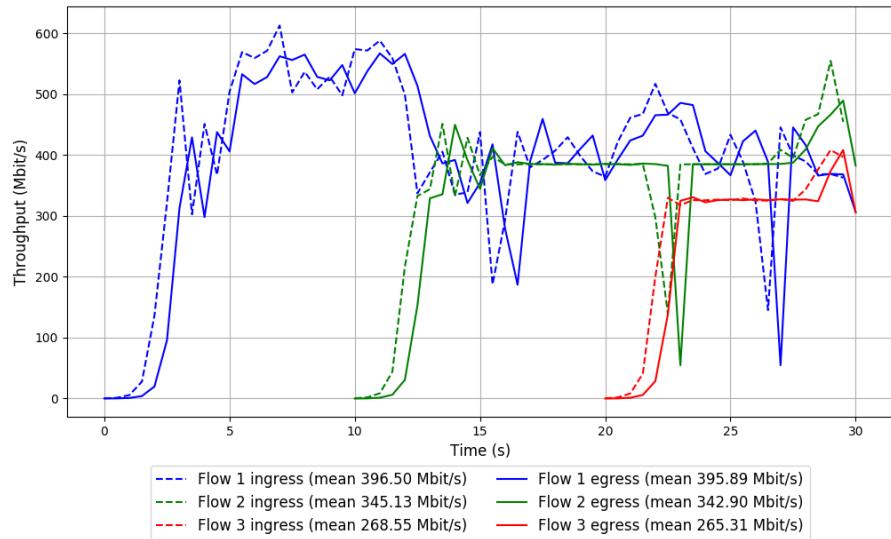


Run 3: Statistics of TCP BBR

```
Start at: 2019-11-24 05:17:51
End at: 2019-11-24 05:18:21
Local clock offset: -0.058 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2019-11-24 07:23:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 710.46 Mbit/s
95th percentile per-packet one-way delay: 169.040 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 395.89 Mbit/s
95th percentile per-packet one-way delay: 178.247 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 342.90 Mbit/s
95th percentile per-packet one-way delay: 129.755 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 265.31 Mbit/s
95th percentile per-packet one-way delay: 113.093 ms
Loss rate: 3.42%
```

Run 3: Report of TCP BBR — Data Link

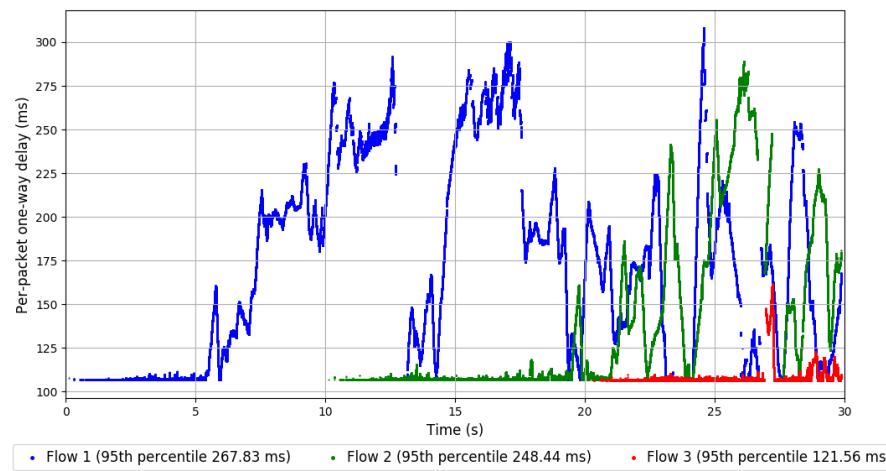
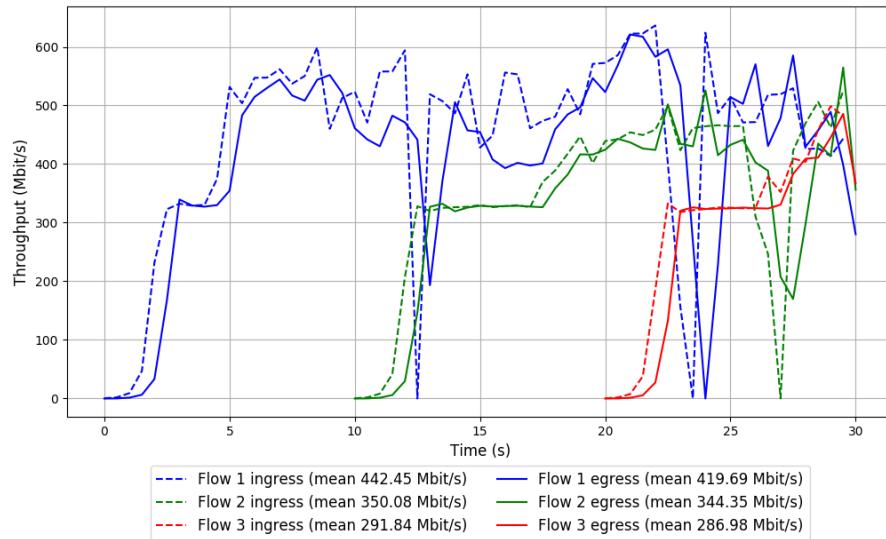


Run 4: Statistics of TCP BBR

```
Start at: 2019-11-24 05:59:47
End at: 2019-11-24 06:00:17
Local clock offset: -0.179 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2019-11-24 07:23:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 742.16 Mbit/s
95th percentile per-packet one-way delay: 260.450 ms
Loss rate: 4.64%
-- Flow 1:
Average throughput: 419.69 Mbit/s
95th percentile per-packet one-way delay: 267.835 ms
Loss rate: 5.84%
-- Flow 2:
Average throughput: 344.35 Mbit/s
95th percentile per-packet one-way delay: 248.445 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 286.98 Mbit/s
95th percentile per-packet one-way delay: 121.565 ms
Loss rate: 3.82%
```

Run 4: Report of TCP BBR — Data Link

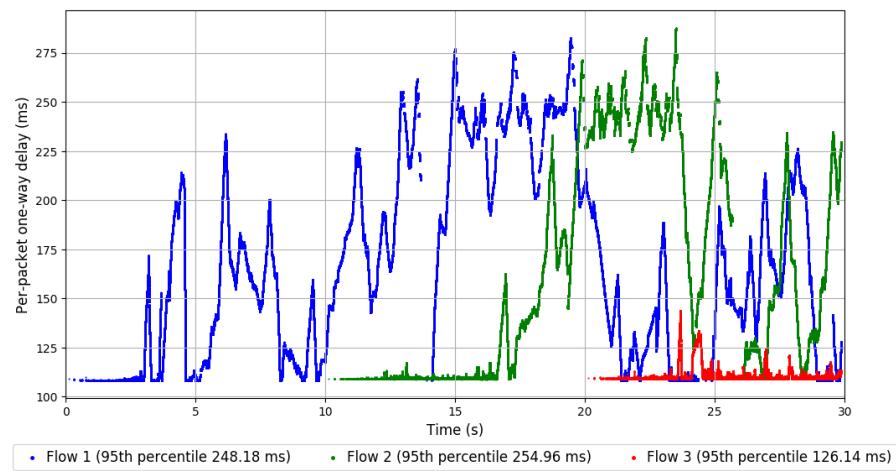
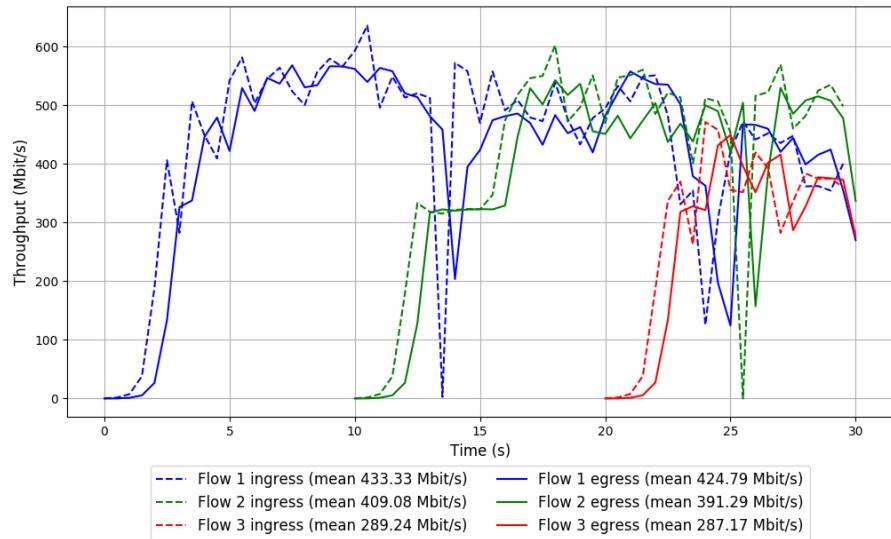


Run 5: Statistics of TCP BBR

```
Start at: 2019-11-24 06:41:58
End at: 2019-11-24 06:42:28
Local clock offset: -0.196 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2019-11-24 07:23:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 778.50 Mbit/s
95th percentile per-packet one-way delay: 249.431 ms
Loss rate: 3.64%
-- Flow 1:
Average throughput: 424.79 Mbit/s
95th percentile per-packet one-way delay: 248.176 ms
Loss rate: 2.69%
-- Flow 2:
Average throughput: 391.29 Mbit/s
95th percentile per-packet one-way delay: 254.963 ms
Loss rate: 5.40%
-- Flow 3:
Average throughput: 287.17 Mbit/s
95th percentile per-packet one-way delay: 126.135 ms
Loss rate: 2.91%
```

Run 5: Report of TCP BBR — Data Link

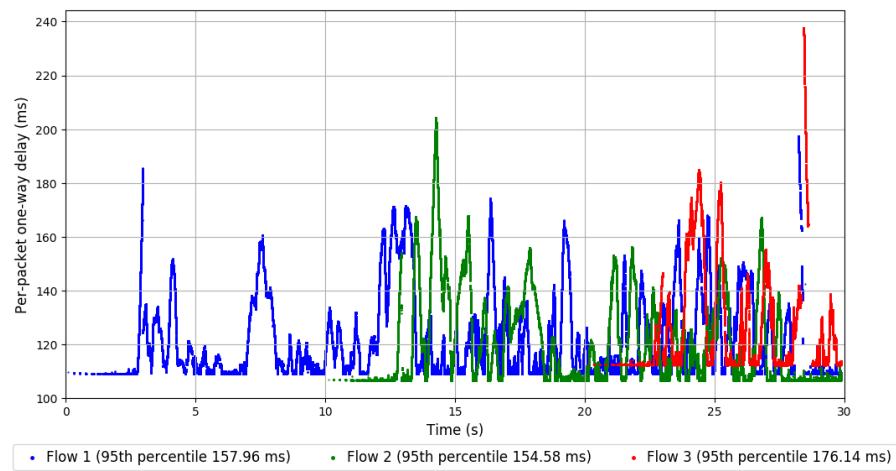
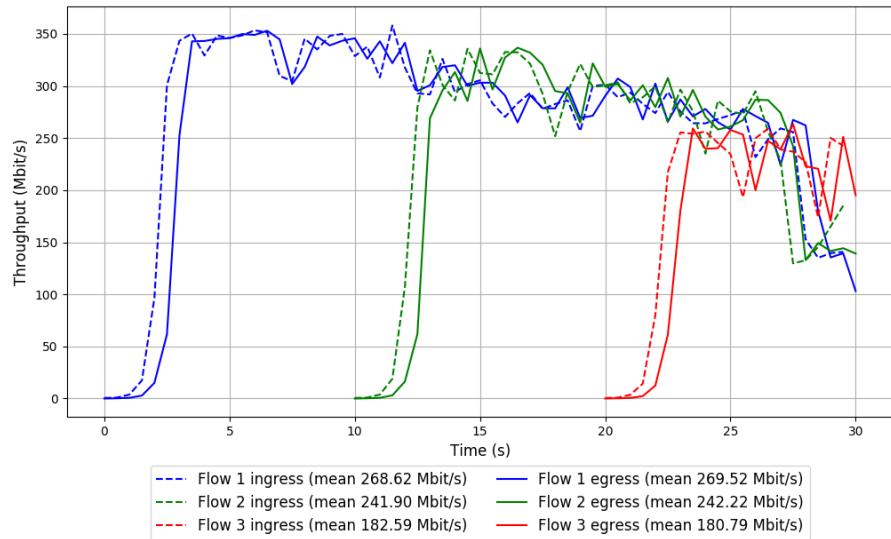


Run 1: Statistics of Copa

```
Start at: 2019-11-24 03:28:03
End at: 2019-11-24 03:28:33
Local clock offset: -0.032 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2019-11-24 07:25:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 489.40 Mbit/s
95th percentile per-packet one-way delay: 160.593 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 269.52 Mbit/s
95th percentile per-packet one-way delay: 157.961 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 242.22 Mbit/s
95th percentile per-packet one-way delay: 154.584 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 180.79 Mbit/s
95th percentile per-packet one-way delay: 176.137 ms
Loss rate: 3.19%
```

Run 1: Report of Copa — Data Link

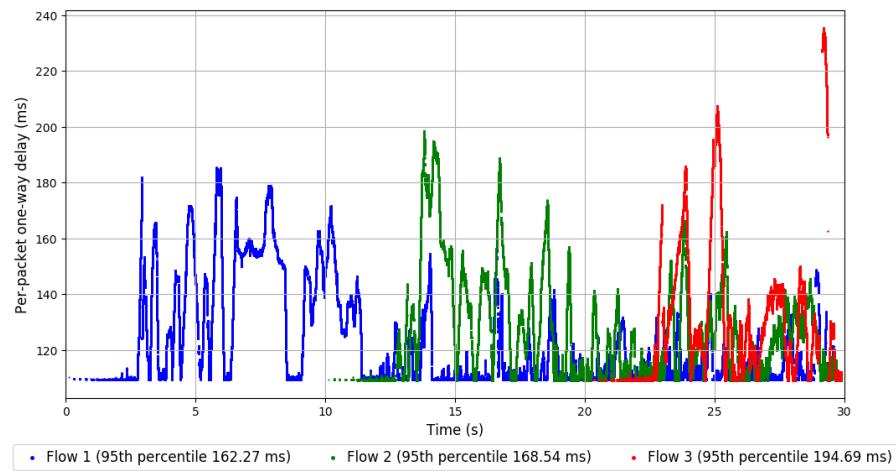
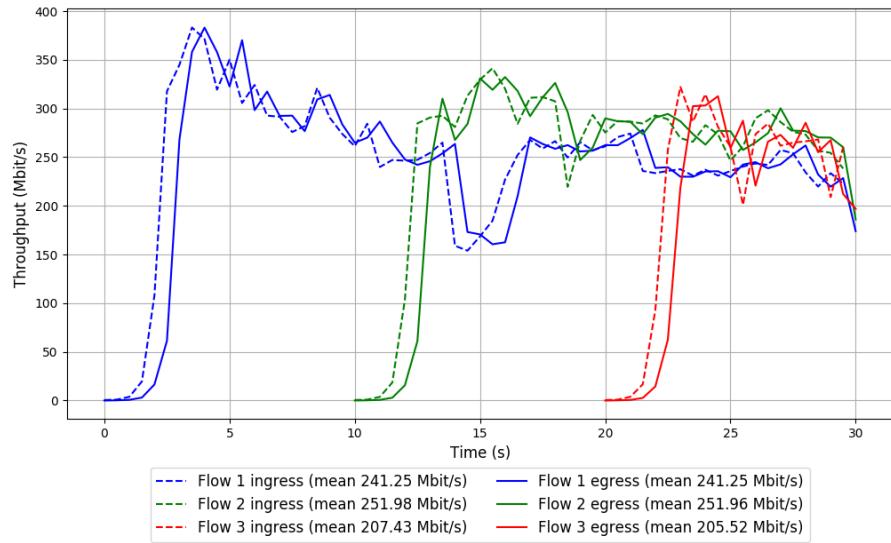


Run 2: Statistics of Copa

```
Start at: 2019-11-24 04:10:48
End at: 2019-11-24 04:11:18
Local clock offset: 0.079 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2019-11-24 07:25:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 475.68 Mbit/s
95th percentile per-packet one-way delay: 167.729 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 241.25 Mbit/s
95th percentile per-packet one-way delay: 162.270 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 251.96 Mbit/s
95th percentile per-packet one-way delay: 168.543 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 205.52 Mbit/s
95th percentile per-packet one-way delay: 194.688 ms
Loss rate: 3.08%
```

Run 2: Report of Copa — Data Link

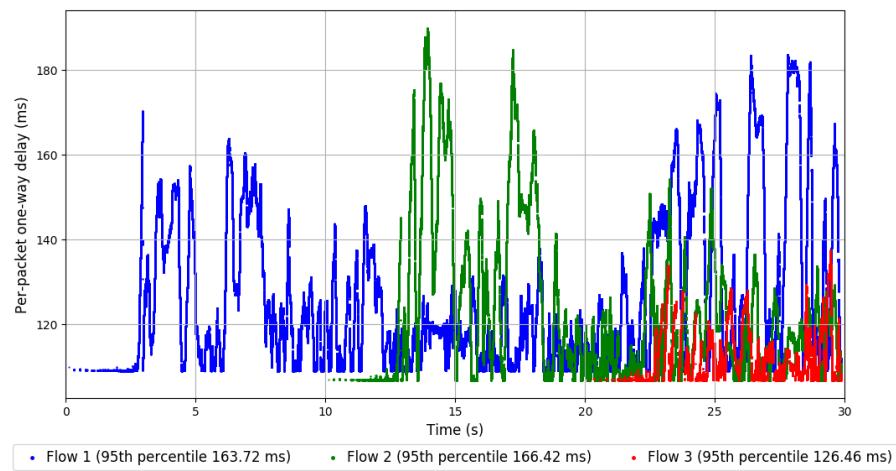
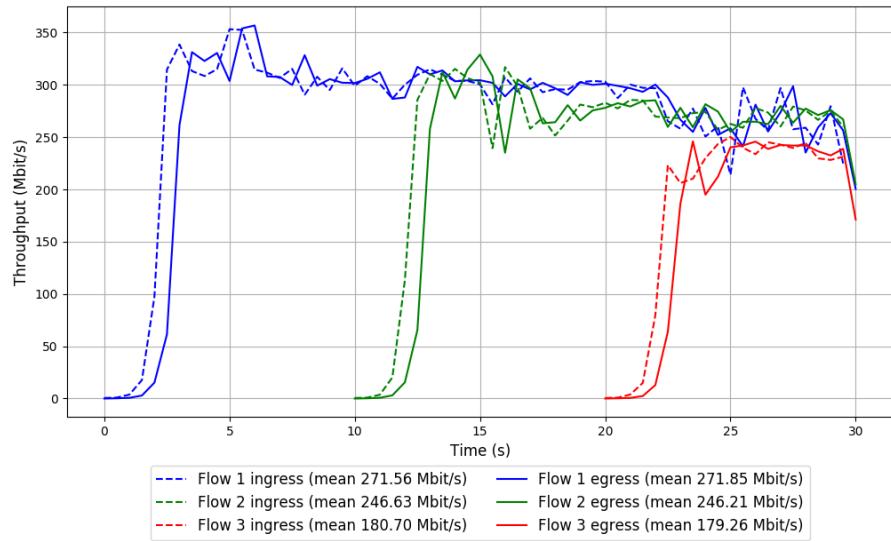


Run 3: Statistics of Copa

```
Start at: 2019-11-24 04:53:27
End at: 2019-11-24 04:53:57
Local clock offset: -0.068 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2019-11-24 07:25:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 493.97 Mbit/s
95th percentile per-packet one-way delay: 163.196 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 271.85 Mbit/s
95th percentile per-packet one-way delay: 163.722 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 246.21 Mbit/s
95th percentile per-packet one-way delay: 166.419 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 179.26 Mbit/s
95th percentile per-packet one-way delay: 126.461 ms
Loss rate: 2.95%
```

Run 3: Report of Copa — Data Link

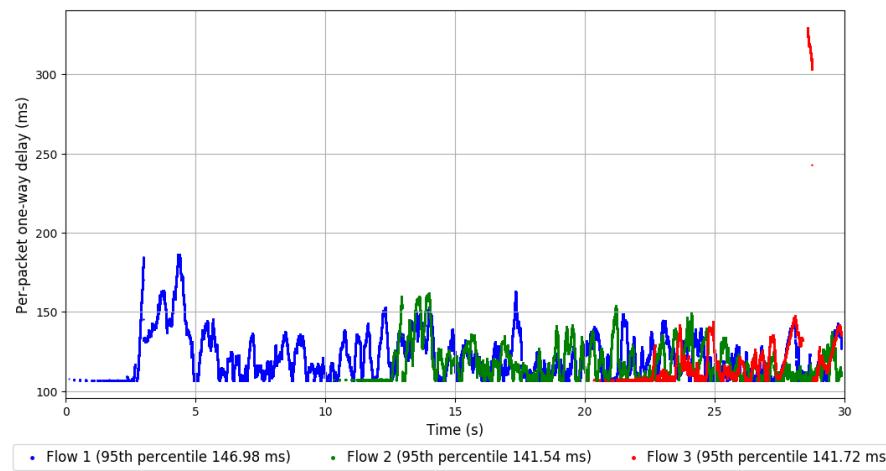
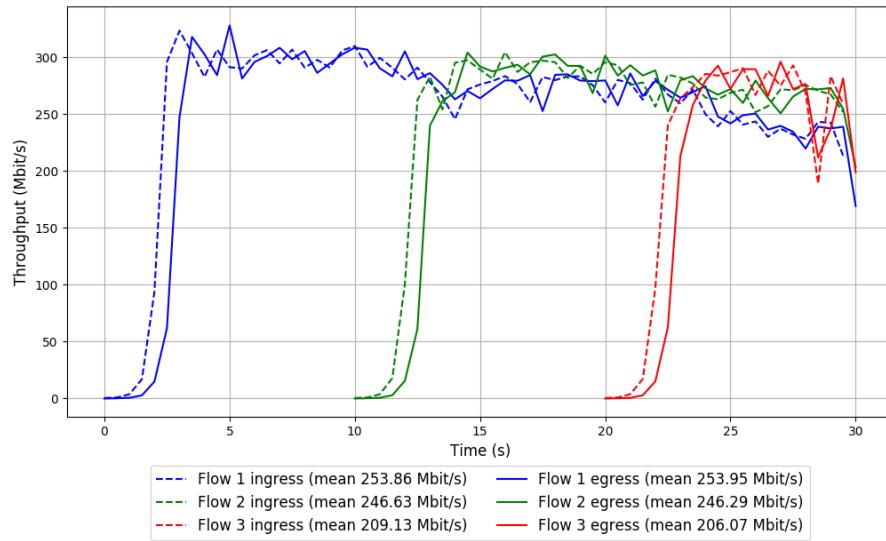


Run 4: Statistics of Copa

```
Start at: 2019-11-24 05:36:04
End at: 2019-11-24 05:36:34
Local clock offset: 0.094 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2019-11-24 07:39:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 484.92 Mbit/s
95th percentile per-packet one-way delay: 144.520 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 253.95 Mbit/s
95th percentile per-packet one-way delay: 146.981 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 246.29 Mbit/s
95th percentile per-packet one-way delay: 141.543 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 206.07 Mbit/s
95th percentile per-packet one-way delay: 141.717 ms
Loss rate: 3.62%
```

Run 4: Report of Copa — Data Link

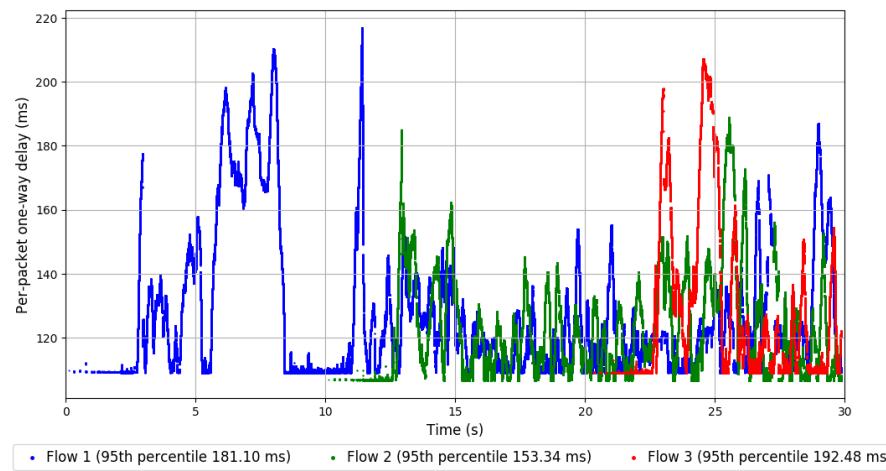
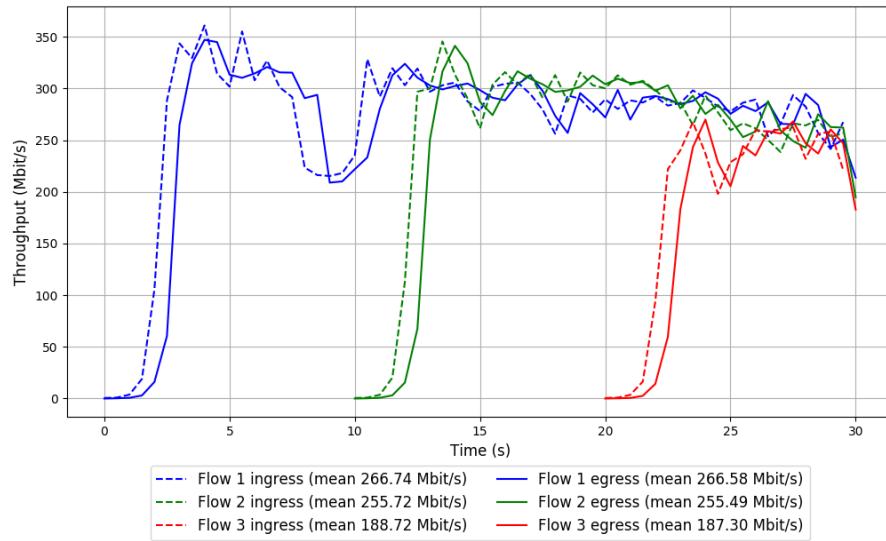


Run 5: Statistics of Copa

```
Start at: 2019-11-24 06:17:47
End at: 2019-11-24 06:18:17
Local clock offset: 0.035 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2019-11-24 07:41:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 497.41 Mbit/s
95th percentile per-packet one-way delay: 175.711 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 266.58 Mbit/s
95th percentile per-packet one-way delay: 181.096 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 255.49 Mbit/s
95th percentile per-packet one-way delay: 153.340 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 187.30 Mbit/s
95th percentile per-packet one-way delay: 192.482 ms
Loss rate: 2.92%
```

Run 5: Report of Copa — Data Link

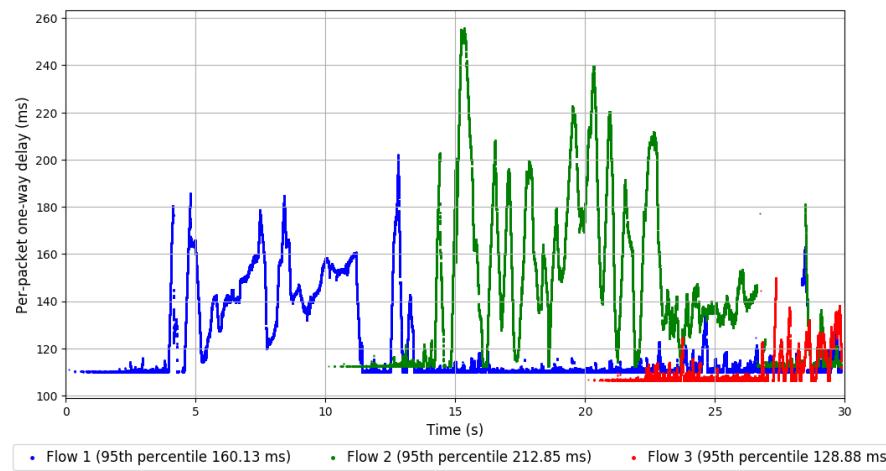
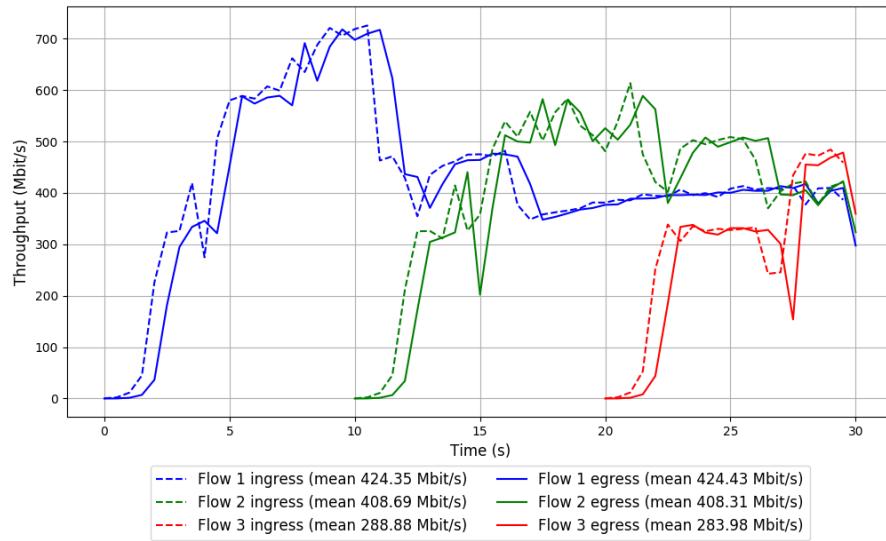


Run 1: Statistics of TCP Cubic

```
Start at: 2019-11-24 03:58:31
End at: 2019-11-24 03:59:01
Local clock offset: -0.199 ms
Remote clock offset: -0.104 ms

# Below is generated by plot.py at 2019-11-24 07:41:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 788.42 Mbit/s
95th percentile per-packet one-way delay: 189.167 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 424.43 Mbit/s
95th percentile per-packet one-way delay: 160.131 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 408.31 Mbit/s
95th percentile per-packet one-way delay: 212.849 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 283.98 Mbit/s
95th percentile per-packet one-way delay: 128.878 ms
Loss rate: 3.85%
```

Run 1: Report of TCP Cubic — Data Link

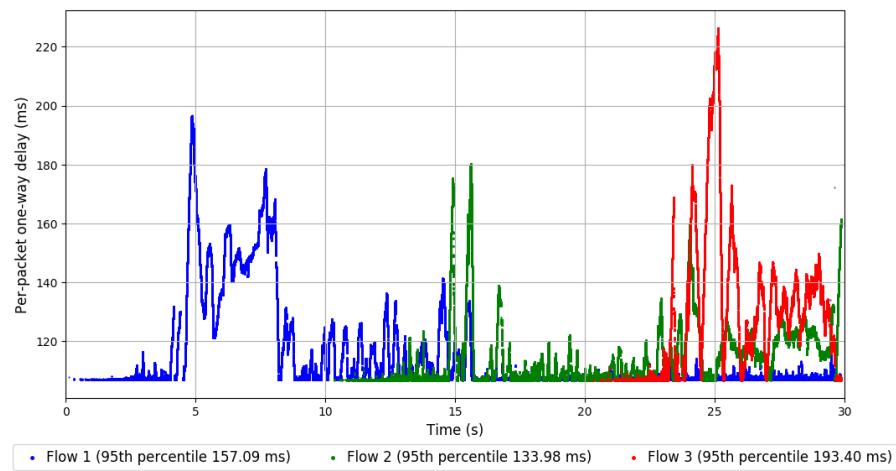
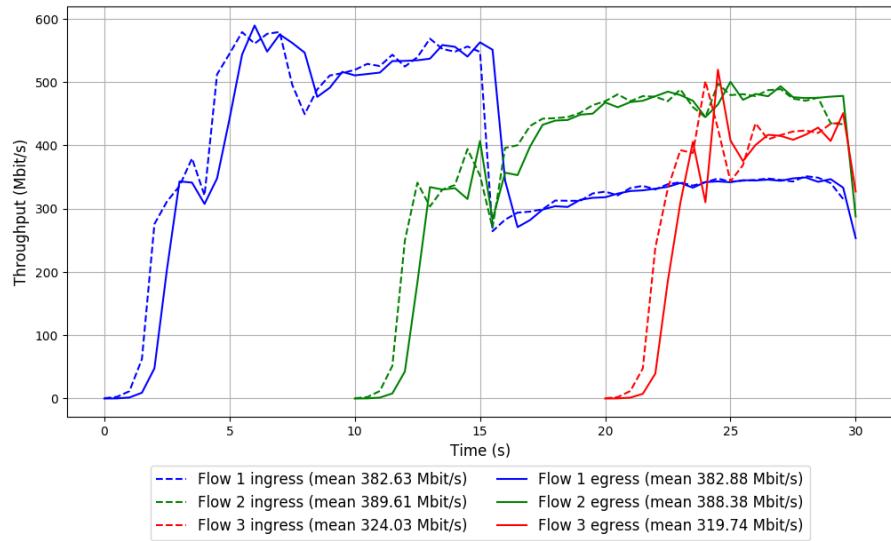


Run 2: Statistics of TCP Cubic

```
Start at: 2019-11-24 04:41:03
End at: 2019-11-24 04:41:33
Local clock offset: -0.078 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2019-11-24 07:41:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 745.29 Mbit/s
95th percentile per-packet one-way delay: 157.101 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 382.88 Mbit/s
95th percentile per-packet one-way delay: 157.085 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 388.38 Mbit/s
95th percentile per-packet one-way delay: 133.978 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 319.74 Mbit/s
95th percentile per-packet one-way delay: 193.400 ms
Loss rate: 3.33%
```

Run 2: Report of TCP Cubic — Data Link

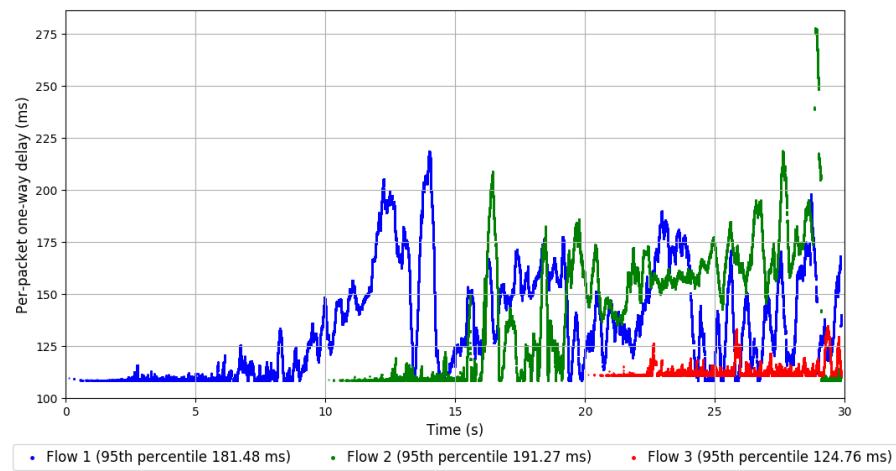
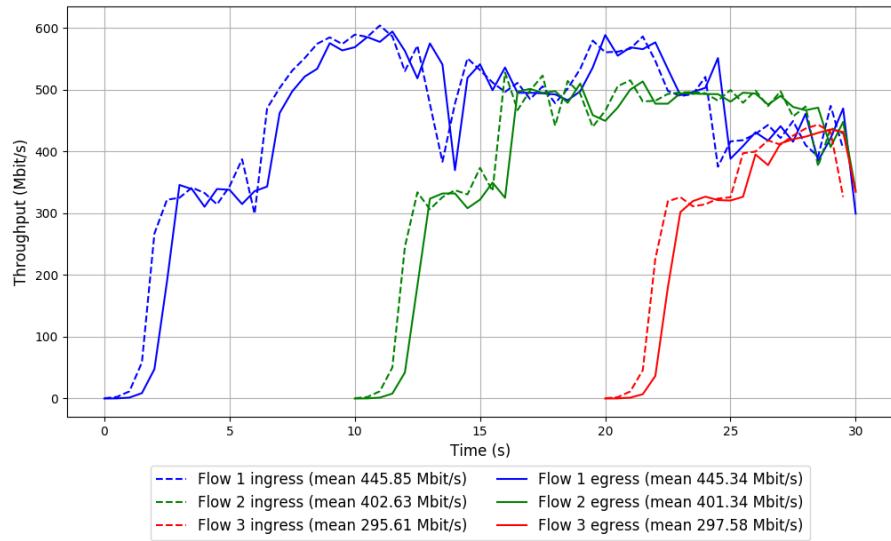


Run 3: Statistics of TCP Cubic

```
Start at: 2019-11-24 05:23:46
End at: 2019-11-24 05:24:16
Local clock offset: -0.127 ms
Remote clock offset: 0.297 ms

# Below is generated by plot.py at 2019-11-24 07:41:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 809.27 Mbit/s
95th percentile per-packet one-way delay: 184.112 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 445.34 Mbit/s
95th percentile per-packet one-way delay: 181.481 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 401.34 Mbit/s
95th percentile per-packet one-way delay: 191.272 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 297.58 Mbit/s
95th percentile per-packet one-way delay: 124.759 ms
Loss rate: 1.58%
```

Run 3: Report of TCP Cubic — Data Link

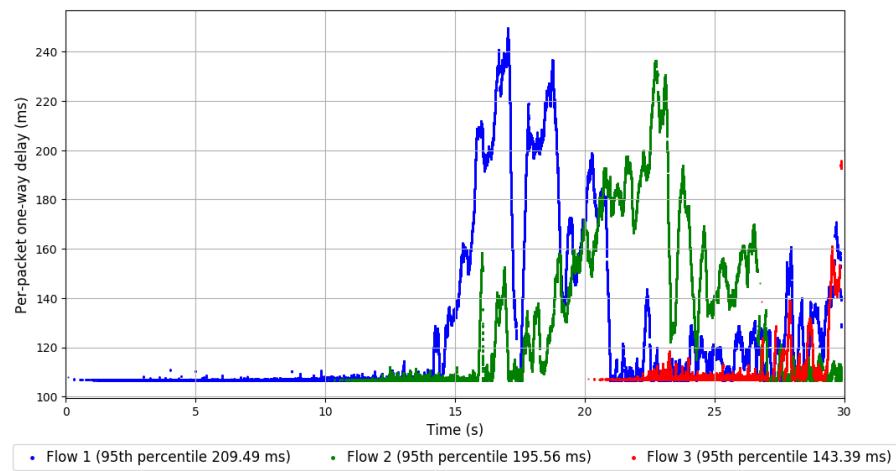
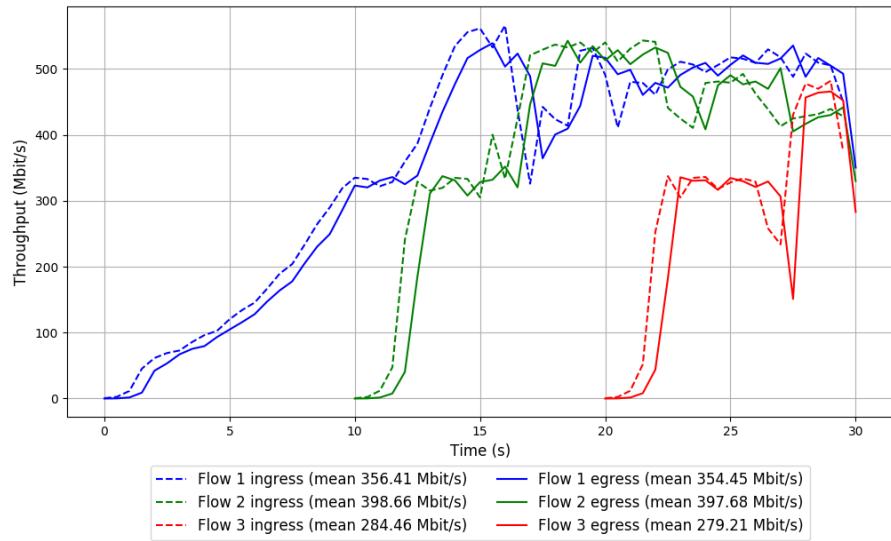


Run 4: Statistics of TCP Cubic

```
Start at: 2019-11-24 06:05:41
End at: 2019-11-24 06:06:11
Local clock offset: -0.012 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2019-11-24 07:41:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 709.84 Mbit/s
95th percentile per-packet one-way delay: 204.548 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 354.45 Mbit/s
95th percentile per-packet one-way delay: 209.494 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 397.68 Mbit/s
95th percentile per-packet one-way delay: 195.565 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 279.21 Mbit/s
95th percentile per-packet one-way delay: 143.394 ms
Loss rate: 3.97%
```

Run 4: Report of TCP Cubic — Data Link

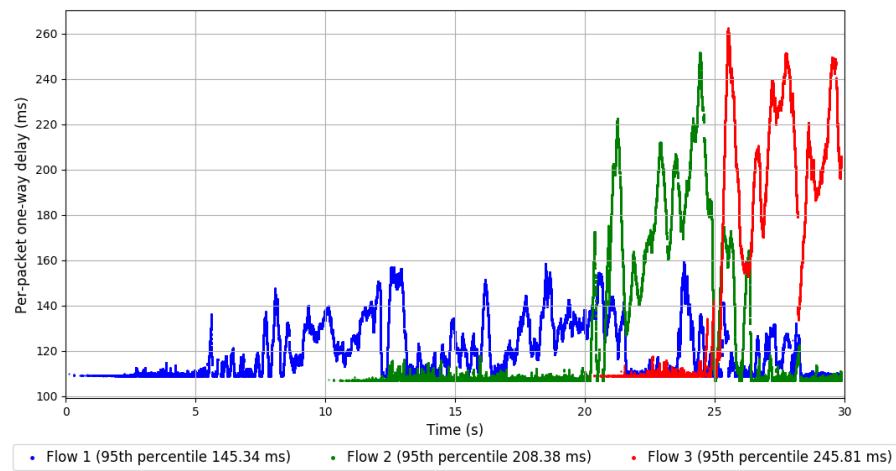
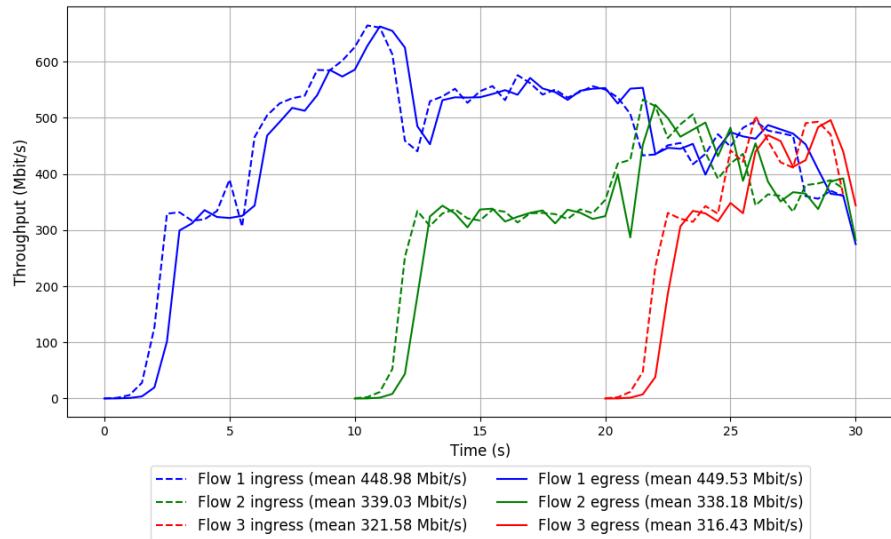


Run 5: Statistics of TCP Cubic

```
Start at: 2019-11-24 06:48:00
End at: 2019-11-24 06:48:30
Local clock offset: -0.027 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2019-11-24 07:41:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 777.63 Mbit/s
95th percentile per-packet one-way delay: 209.877 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 449.53 Mbit/s
95th percentile per-packet one-way delay: 145.337 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 338.18 Mbit/s
95th percentile per-packet one-way delay: 208.378 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 316.43 Mbit/s
95th percentile per-packet one-way delay: 245.813 ms
Loss rate: 3.76%
```

Run 5: Report of TCP Cubic — Data Link

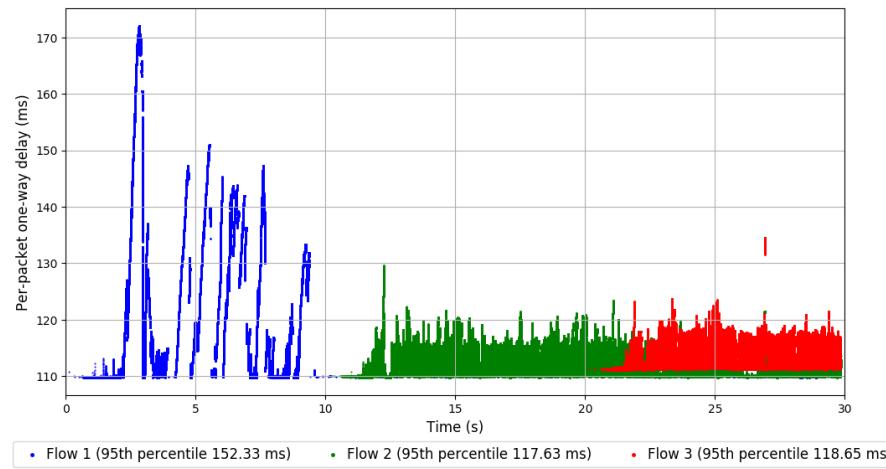
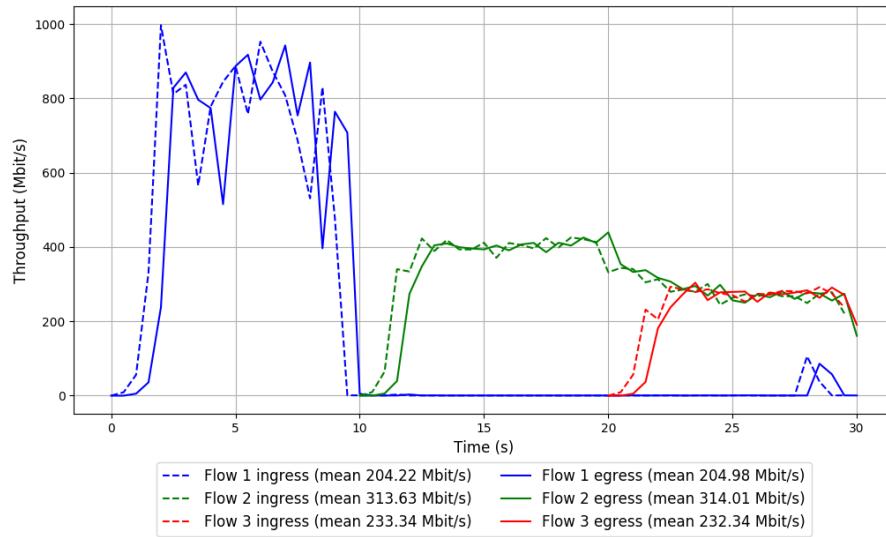


```
Run 1: Statistics of FillP

Start at: 2019-11-24 03:19:39
End at: 2019-11-24 03:20:09
Local clock offset: -0.144 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2019-11-24 07:41:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 488.18 Mbit/s
95th percentile per-packet one-way delay: 141.971 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 204.98 Mbit/s
95th percentile per-packet one-way delay: 152.332 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 314.01 Mbit/s
95th percentile per-packet one-way delay: 117.632 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 232.34 Mbit/s
95th percentile per-packet one-way delay: 118.649 ms
Loss rate: 2.62%
```

Run 1: Report of FillP — Data Link

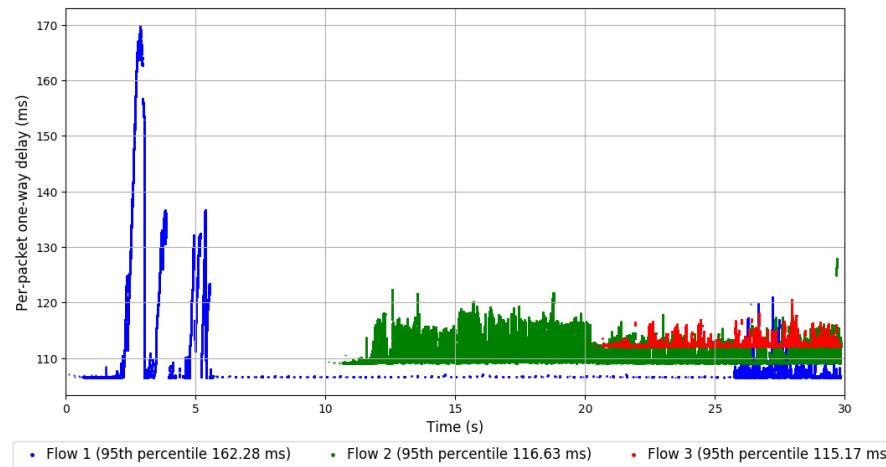
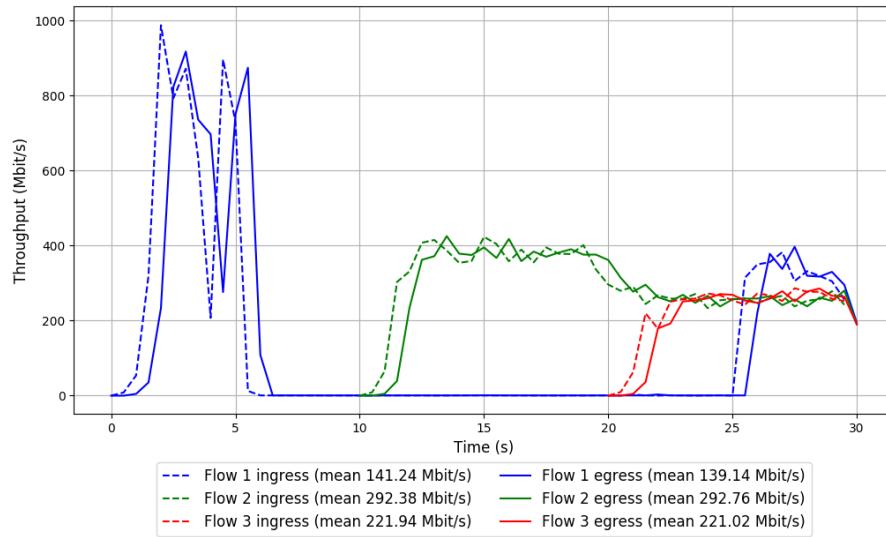


Run 2: Statistics of FillP

```
Start at: 2019-11-24 04:02:27
End at: 2019-11-24 04:02:57
Local clock offset: -0.133 ms
Remote clock offset: -0.128 ms

# Below is generated by plot.py at 2019-11-24 07:47:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 405.35 Mbit/s
95th percentile per-packet one-way delay: 132.416 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 139.14 Mbit/s
95th percentile per-packet one-way delay: 162.284 ms
Loss rate: 2.21%
-- Flow 2:
Average throughput: 292.76 Mbit/s
95th percentile per-packet one-way delay: 116.631 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 221.02 Mbit/s
95th percentile per-packet one-way delay: 115.175 ms
Loss rate: 2.86%
```

Run 2: Report of FillP — Data Link

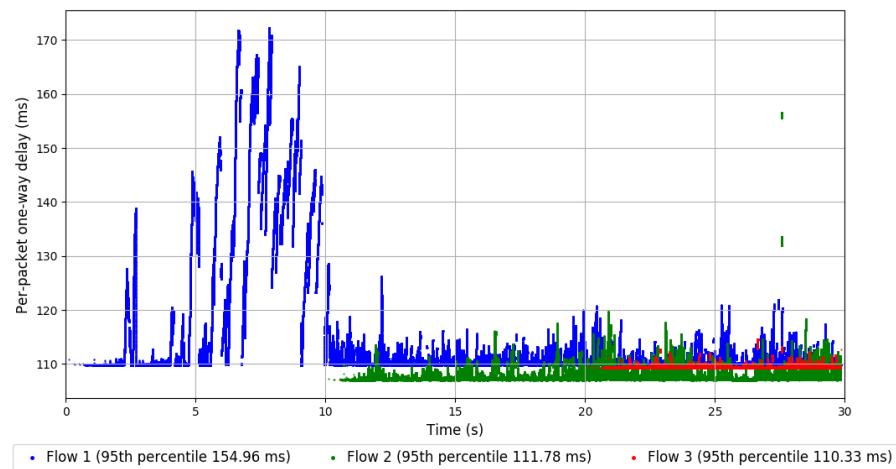
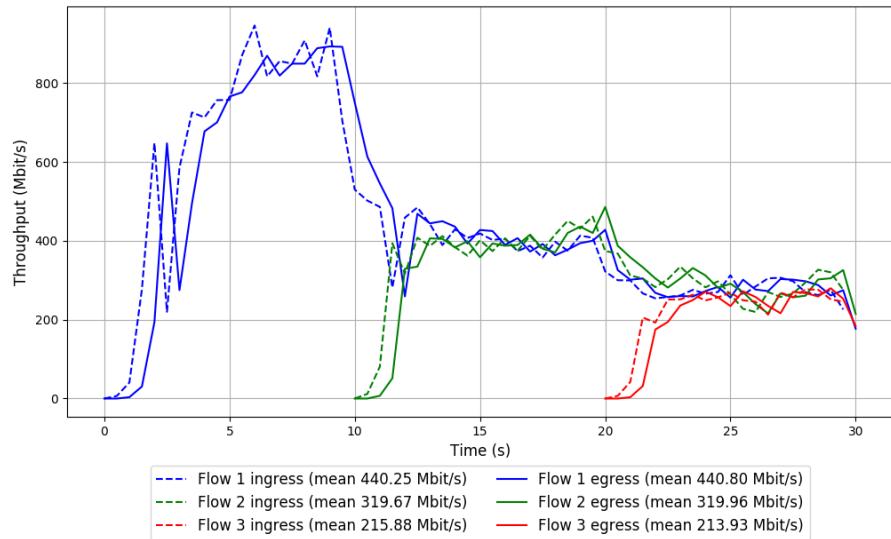


Run 3: Statistics of FillP

```
Start at: 2019-11-24 04:44:54
End at: 2019-11-24 04:45:24
Local clock offset: 0.149 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2019-11-24 07:56:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 722.63 Mbit/s
95th percentile per-packet one-way delay: 148.134 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 440.80 Mbit/s
95th percentile per-packet one-way delay: 154.956 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 319.96 Mbit/s
95th percentile per-packet one-way delay: 111.778 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 213.93 Mbit/s
95th percentile per-packet one-way delay: 110.327 ms
Loss rate: 2.90%
```

Run 3: Report of FillP — Data Link

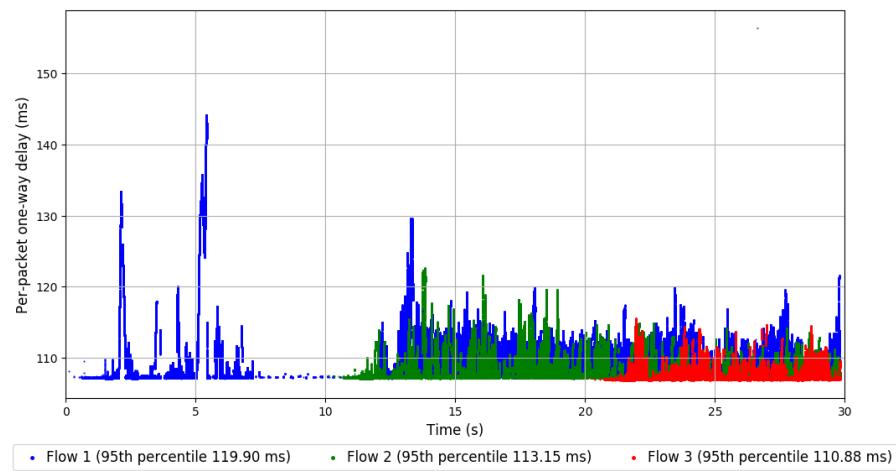
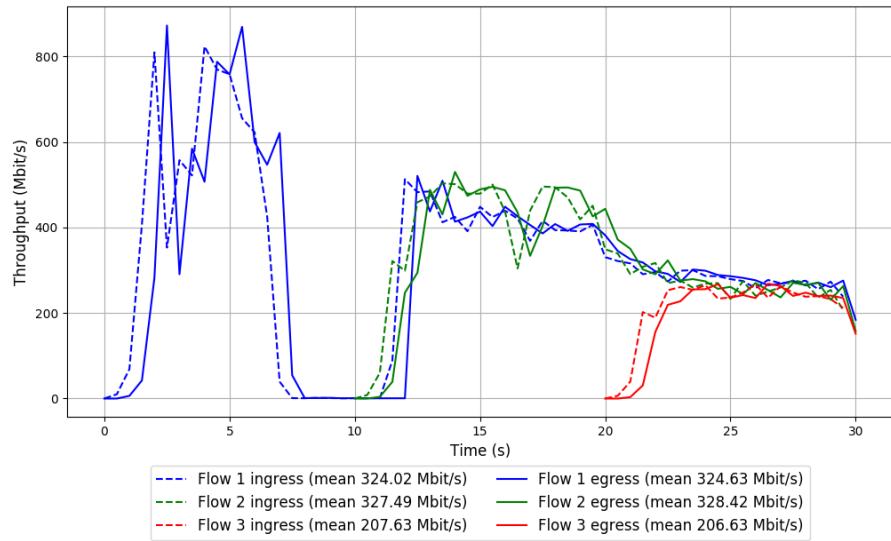


Run 4: Statistics of FillP

```
Start at: 2019-11-24 05:27:42
End at: 2019-11-24 05:28:12
Local clock offset: -0.08 ms
Remote clock offset: -0.44 ms

# Below is generated by plot.py at 2019-11-24 07:56:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 609.67 Mbit/s
95th percentile per-packet one-way delay: 115.138 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 324.63 Mbit/s
95th percentile per-packet one-way delay: 119.902 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 328.42 Mbit/s
95th percentile per-packet one-way delay: 113.147 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 206.63 Mbit/s
95th percentile per-packet one-way delay: 110.883 ms
Loss rate: 2.65%
```

Run 4: Report of FillP — Data Link

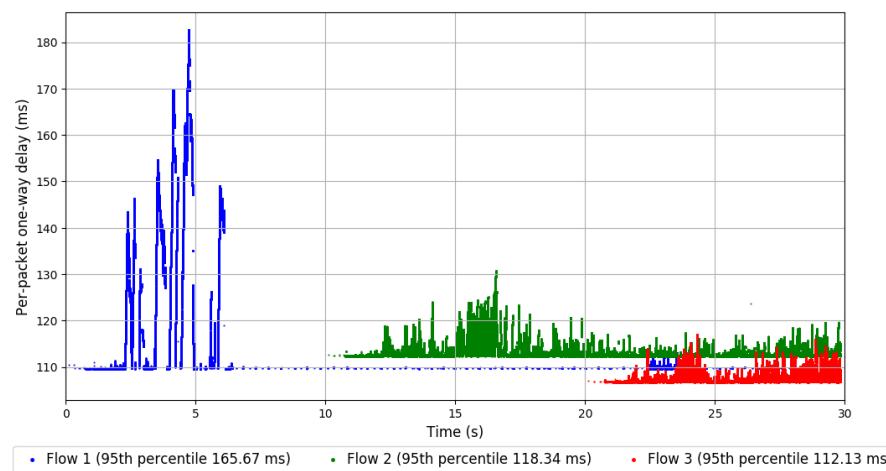
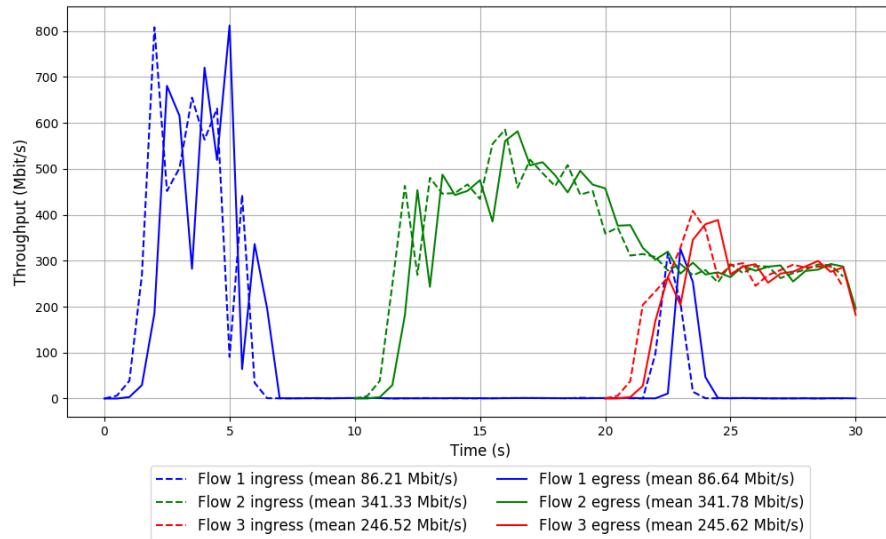


Run 5: Statistics of FillP

```
Start at: 2019-11-24 06:09:35
End at: 2019-11-24 06:10:05
Local clock offset: 0.068 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2019-11-24 07:56:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 392.78 Mbit/s
95th percentile per-packet one-way delay: 146.061 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 165.670 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 341.78 Mbit/s
95th percentile per-packet one-way delay: 118.342 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 245.62 Mbit/s
95th percentile per-packet one-way delay: 112.126 ms
Loss rate: 2.52%
```

Run 5: Report of FillP — Data Link

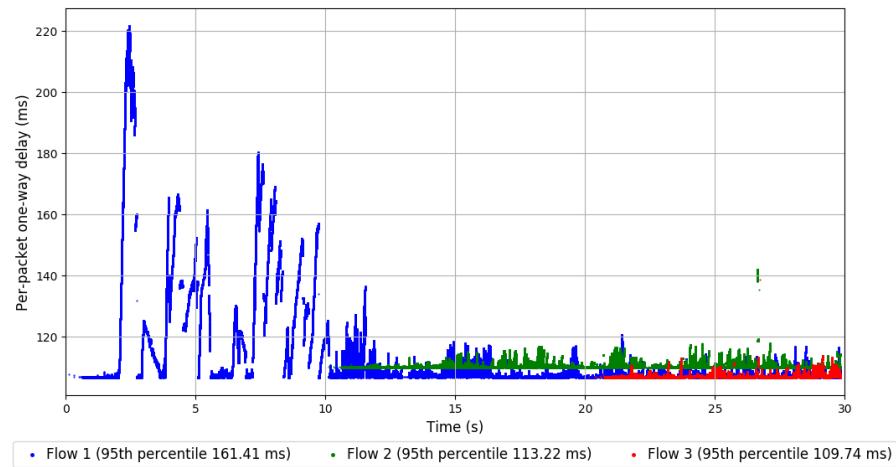
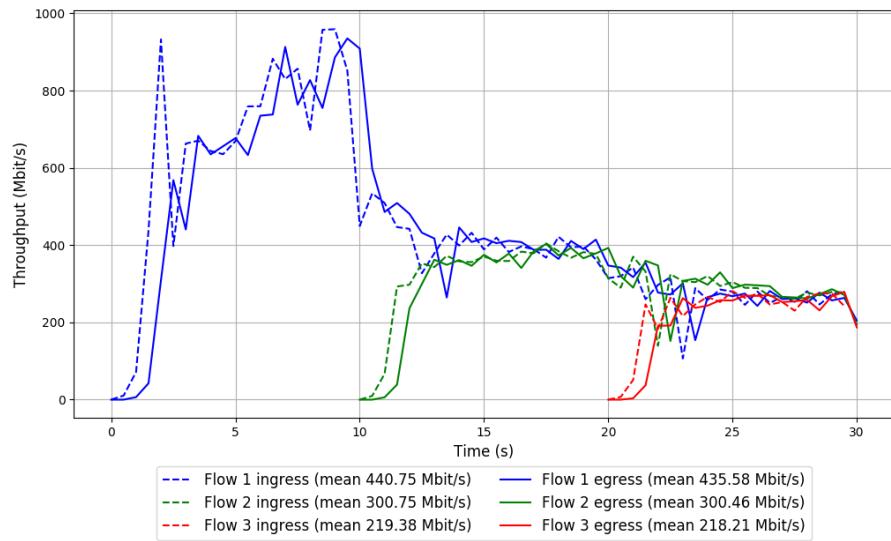


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-11-24 03:34:02
End at: 2019-11-24 03:34:32
Local clock offset: 0.039 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2019-11-24 07:57:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 705.77 Mbit/s
95th percentile per-packet one-way delay: 152.413 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 435.58 Mbit/s
95th percentile per-packet one-way delay: 161.410 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 300.46 Mbit/s
95th percentile per-packet one-way delay: 113.215 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 218.21 Mbit/s
95th percentile per-packet one-way delay: 109.740 ms
Loss rate: 2.72%
```

Run 1: Report of FillP-Sheep — Data Link

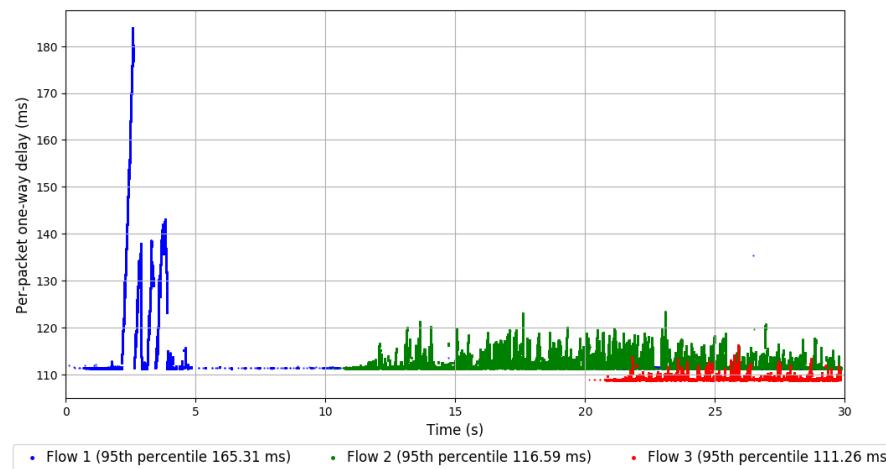
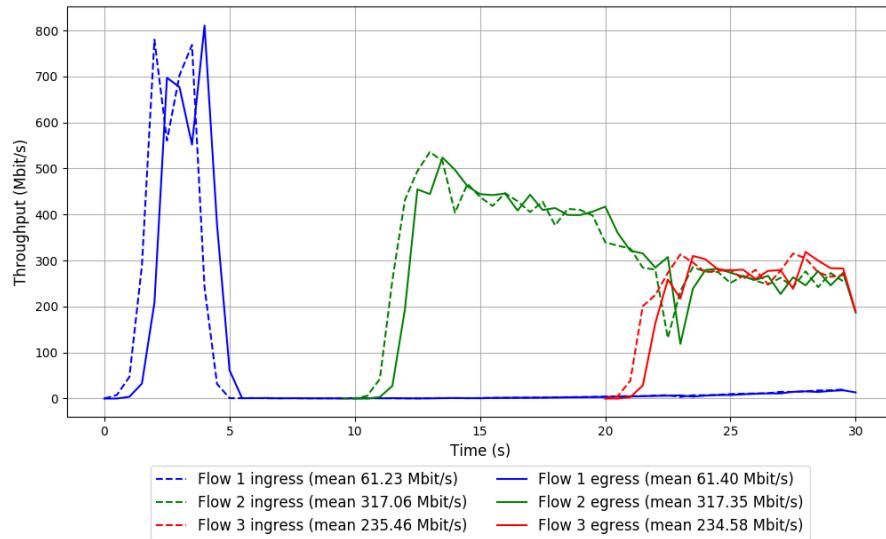


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-11-24 04:16:42
End at: 2019-11-24 04:17:12
Local clock offset: -0.07 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2019-11-24 07:57:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.54 Mbit/s
95th percentile per-packet one-way delay: 132.494 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 61.40 Mbit/s
95th percentile per-packet one-way delay: 165.312 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 317.35 Mbit/s
95th percentile per-packet one-way delay: 116.591 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 234.58 Mbit/s
95th percentile per-packet one-way delay: 111.263 ms
Loss rate: 2.66%
```

Run 2: Report of FillP-Sheep — Data Link

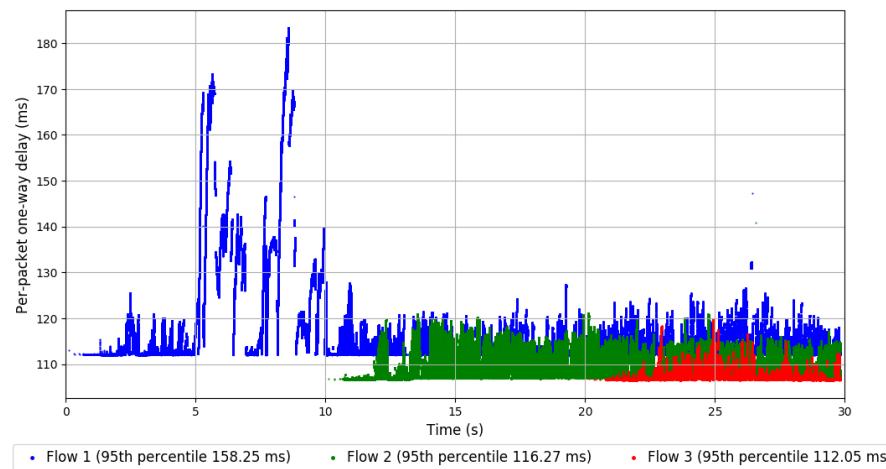
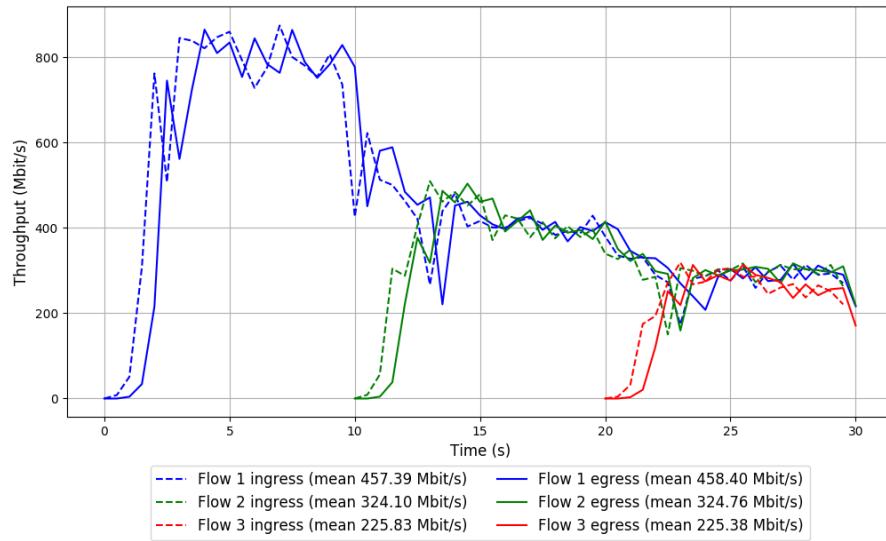


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-11-24 04:59:28
End at: 2019-11-24 04:59:58
Local clock offset: -0.227 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2019-11-24 07:59:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 747.20 Mbit/s
95th percentile per-packet one-way delay: 141.362 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 458.40 Mbit/s
95th percentile per-packet one-way delay: 158.247 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 324.76 Mbit/s
95th percentile per-packet one-way delay: 116.265 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 225.38 Mbit/s
95th percentile per-packet one-way delay: 112.046 ms
Loss rate: 2.37%
```

Run 3: Report of FillP-Sheep — Data Link

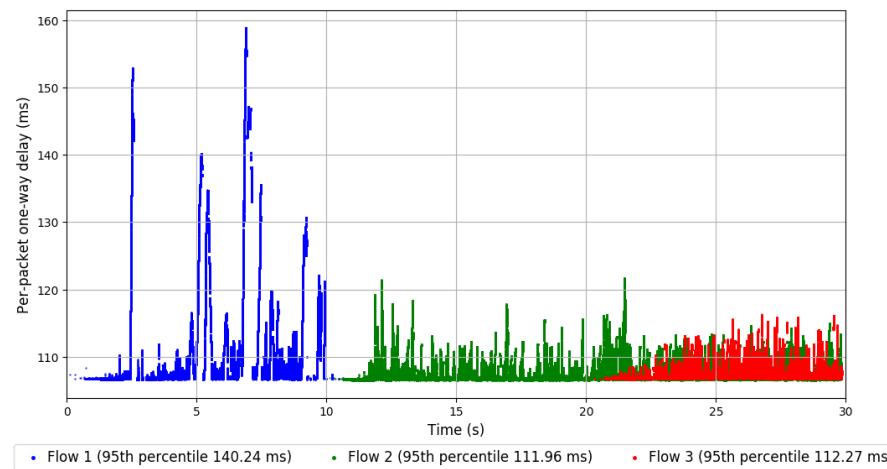
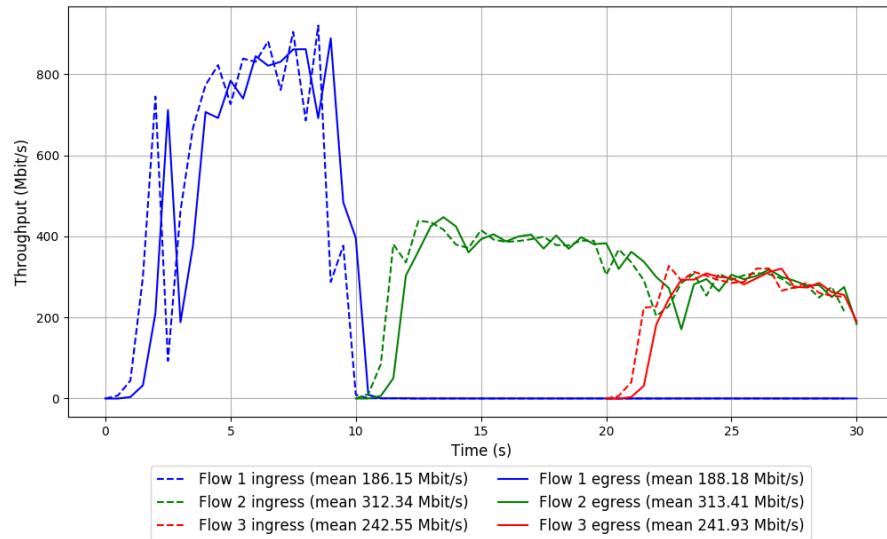


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-11-24 05:42:00
End at: 2019-11-24 05:42:30
Local clock offset: -0.08 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2019-11-24 07:59:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 474.33 Mbit/s
95th percentile per-packet one-way delay: 126.456 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 188.18 Mbit/s
95th percentile per-packet one-way delay: 140.244 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 313.41 Mbit/s
95th percentile per-packet one-way delay: 111.963 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 241.93 Mbit/s
95th percentile per-packet one-way delay: 112.271 ms
Loss rate: 2.44%
```

Run 4: Report of FillP-Sheep — Data Link

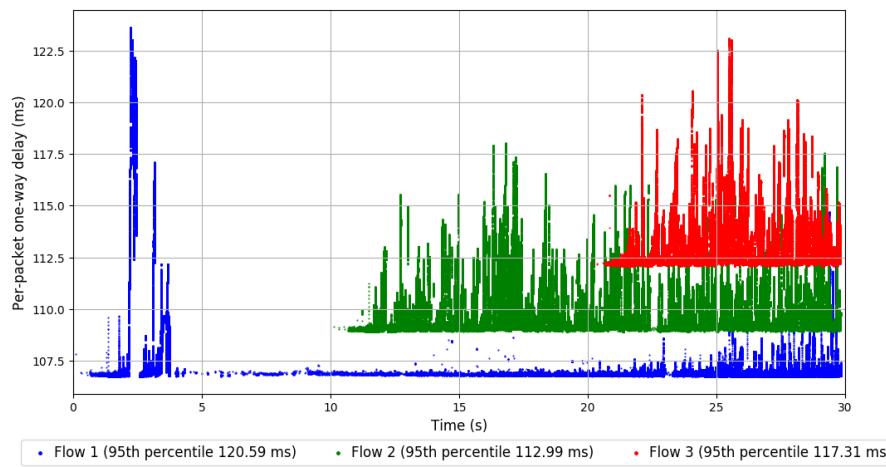
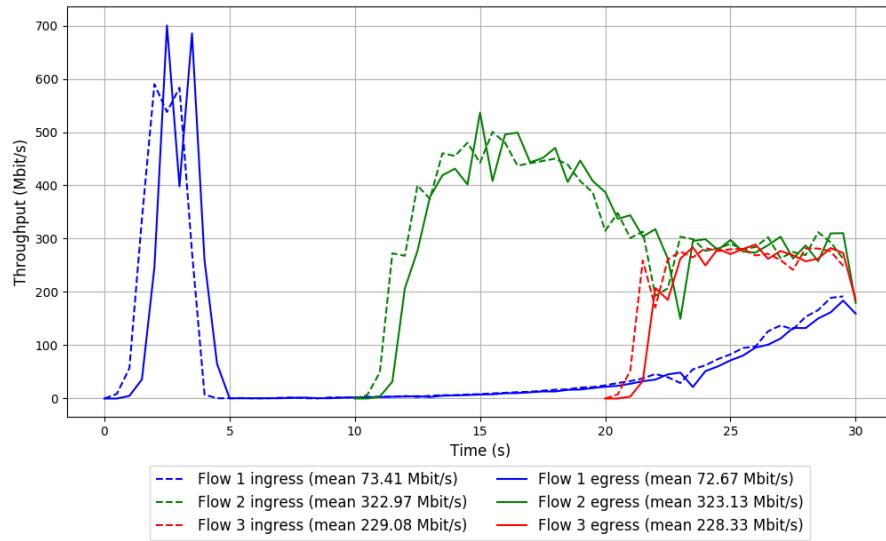


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-11-24 06:23:47
End at: 2019-11-24 06:24:17
Local clock offset: -0.18 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2019-11-24 07:59:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 361.17 Mbit/s
95th percentile per-packet one-way delay: 115.330 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 72.67 Mbit/s
95th percentile per-packet one-way delay: 120.592 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 323.13 Mbit/s
95th percentile per-packet one-way delay: 112.989 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 228.33 Mbit/s
95th percentile per-packet one-way delay: 117.315 ms
Loss rate: 2.79%
```

Run 5: Report of FillP-Sheep — Data Link

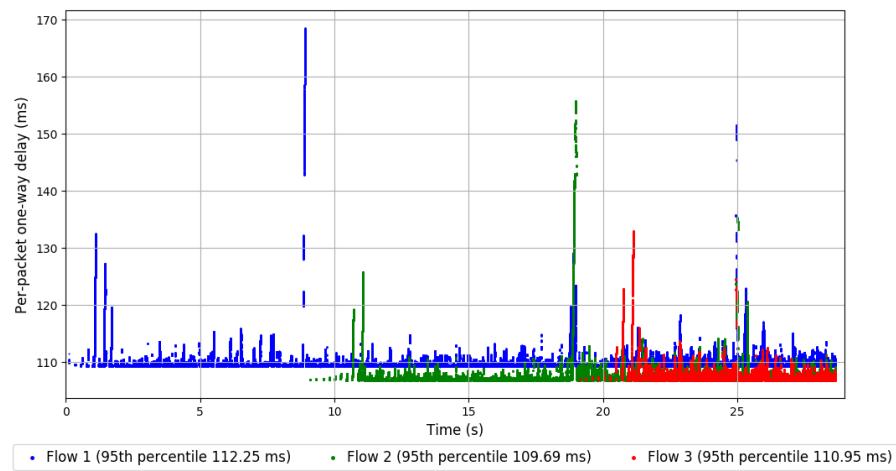
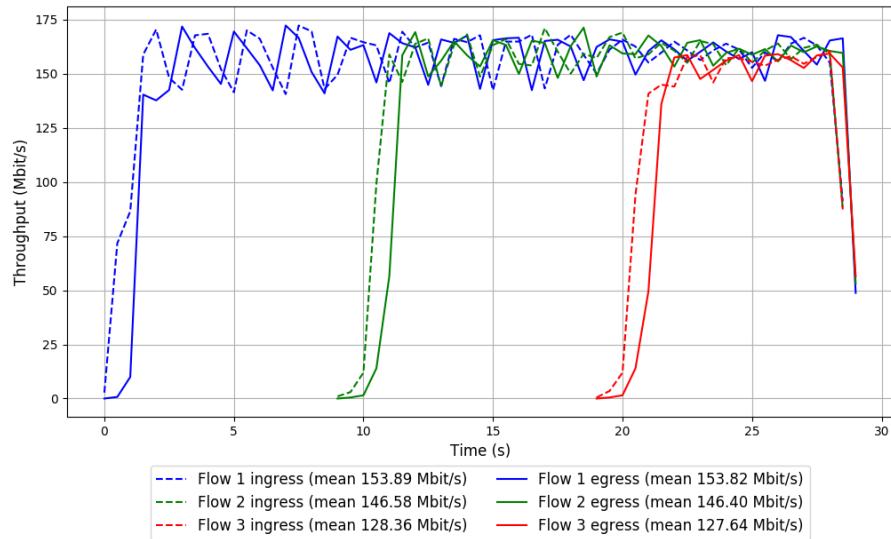


Run 1: Statistics of Indigo

```
Start at: 2019-11-24 03:32:14
End at: 2019-11-24 03:32:44
Local clock offset: -0.02 ms
Remote clock offset: 0.033 ms

# Below is generated by plot.py at 2019-11-24 08:00:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 296.65 Mbit/s
95th percentile per-packet one-way delay: 111.638 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 153.82 Mbit/s
95th percentile per-packet one-way delay: 112.254 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 146.40 Mbit/s
95th percentile per-packet one-way delay: 109.692 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 127.64 Mbit/s
95th percentile per-packet one-way delay: 110.953 ms
Loss rate: 2.76%
```

Run 1: Report of Indigo — Data Link

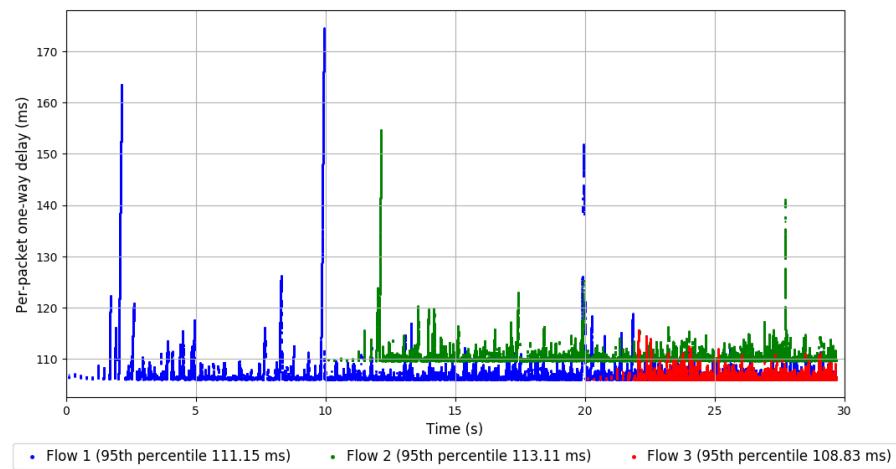
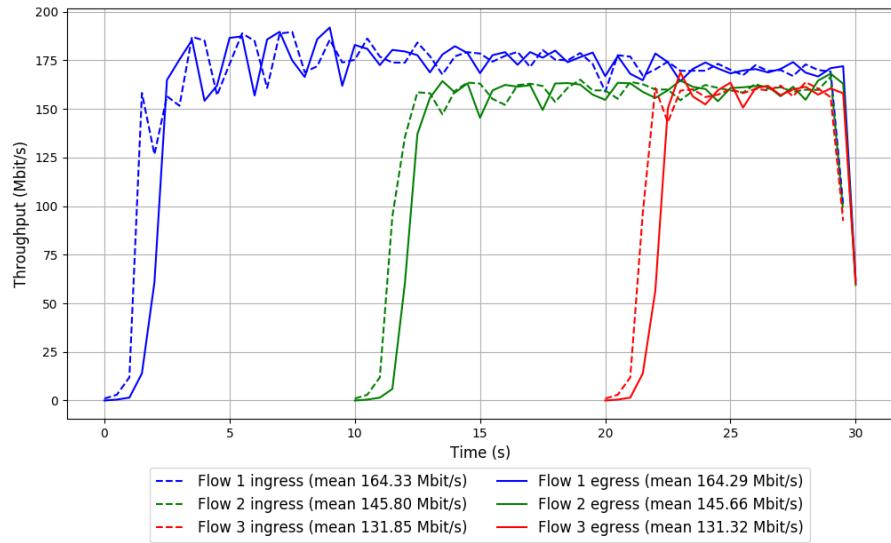


Run 2: Statistics of Indigo

```
Start at: 2019-11-24 04:14:52
End at: 2019-11-24 04:15:22
Local clock offset: -0.077 ms
Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2019-11-24 08:00:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 303.08 Mbit/s
95th percentile per-packet one-way delay: 112.115 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 164.29 Mbit/s
95th percentile per-packet one-way delay: 111.148 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 145.66 Mbit/s
95th percentile per-packet one-way delay: 113.110 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 131.32 Mbit/s
95th percentile per-packet one-way delay: 108.834 ms
Loss rate: 2.61%
```

Run 2: Report of Indigo — Data Link

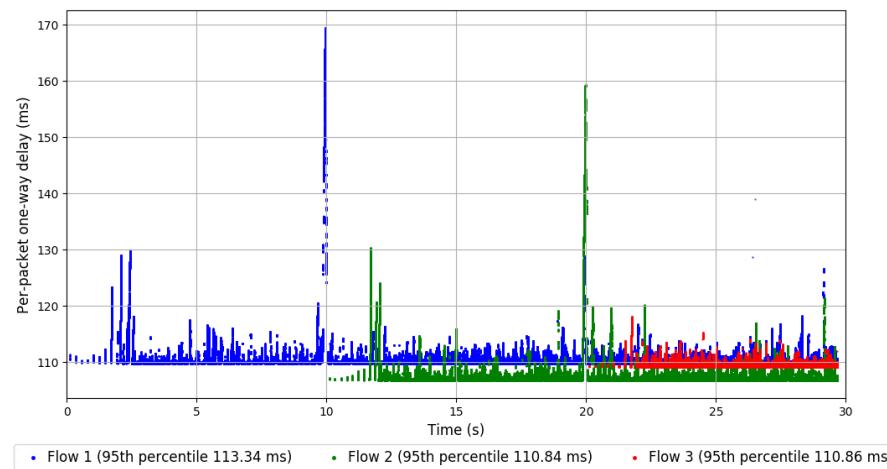
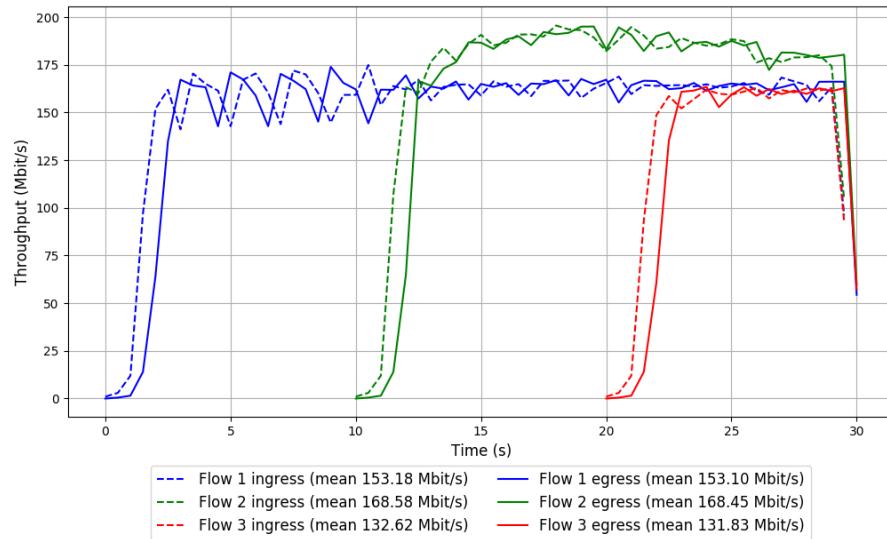


Run 3: Statistics of Indigo

```
Start at: 2019-11-24 04:57:37
End at: 2019-11-24 04:58:07
Local clock offset: -0.214 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2019-11-24 08:05:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 307.14 Mbit/s
95th percentile per-packet one-way delay: 112.512 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 153.10 Mbit/s
95th percentile per-packet one-way delay: 113.345 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 168.45 Mbit/s
95th percentile per-packet one-way delay: 110.843 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 131.83 Mbit/s
95th percentile per-packet one-way delay: 110.859 ms
Loss rate: 2.74%
```

Run 3: Report of Indigo — Data Link

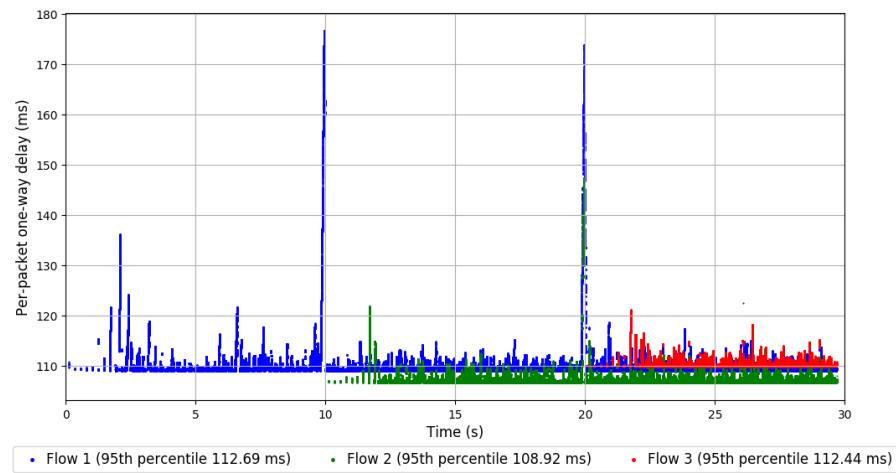
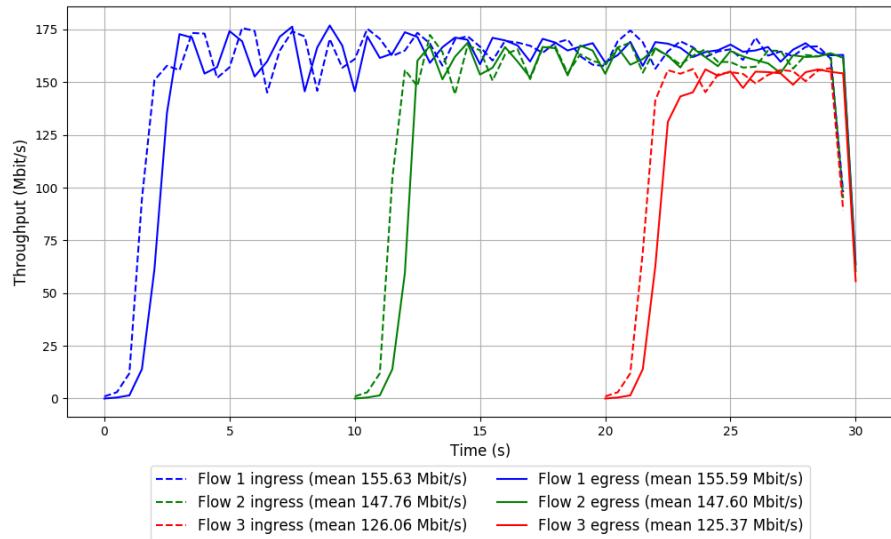


Run 4: Statistics of Indigo

```
Start at: 2019-11-24 05:40:10
End at: 2019-11-24 05:40:40
Local clock offset: 0.048 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2019-11-24 08:05:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.76 Mbit/s
95th percentile per-packet one-way delay: 111.832 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 155.59 Mbit/s
95th percentile per-packet one-way delay: 112.686 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 147.60 Mbit/s
95th percentile per-packet one-way delay: 108.919 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 125.37 Mbit/s
95th percentile per-packet one-way delay: 112.435 ms
Loss rate: 2.77%
```

Run 4: Report of Indigo — Data Link

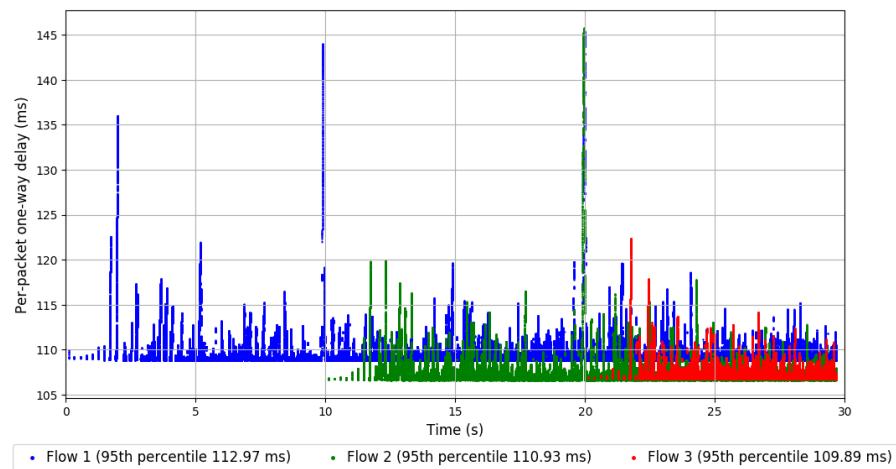
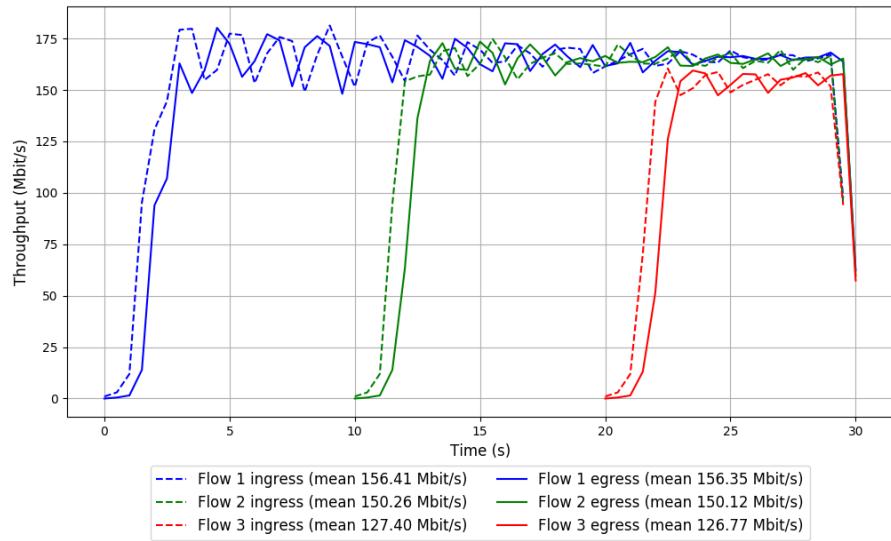


Run 5: Statistics of Indigo

```
Start at: 2019-11-24 06:21:57
End at: 2019-11-24 06:22:27
Local clock offset: -0.193 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2019-11-24 08:08:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 296.60 Mbit/s
95th percentile per-packet one-way delay: 112.037 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 156.35 Mbit/s
95th percentile per-packet one-way delay: 112.966 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 150.12 Mbit/s
95th percentile per-packet one-way delay: 110.932 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 126.77 Mbit/s
95th percentile per-packet one-way delay: 109.893 ms
Loss rate: 2.71%
```

Run 5: Report of Indigo — Data Link

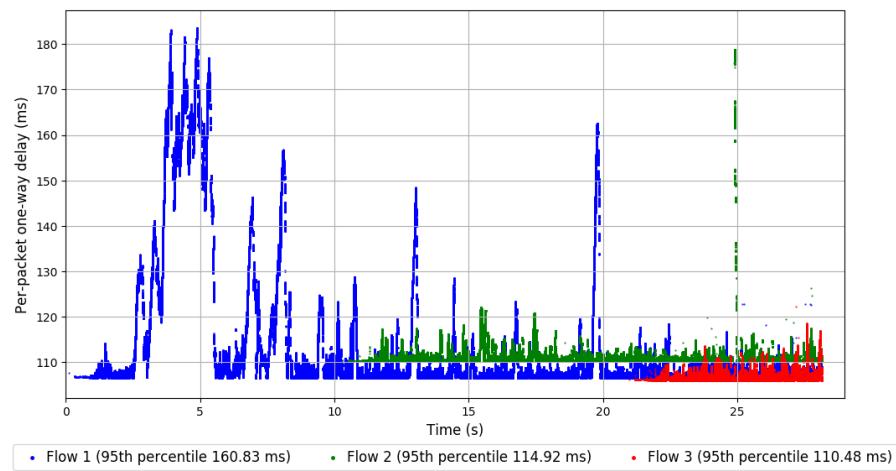
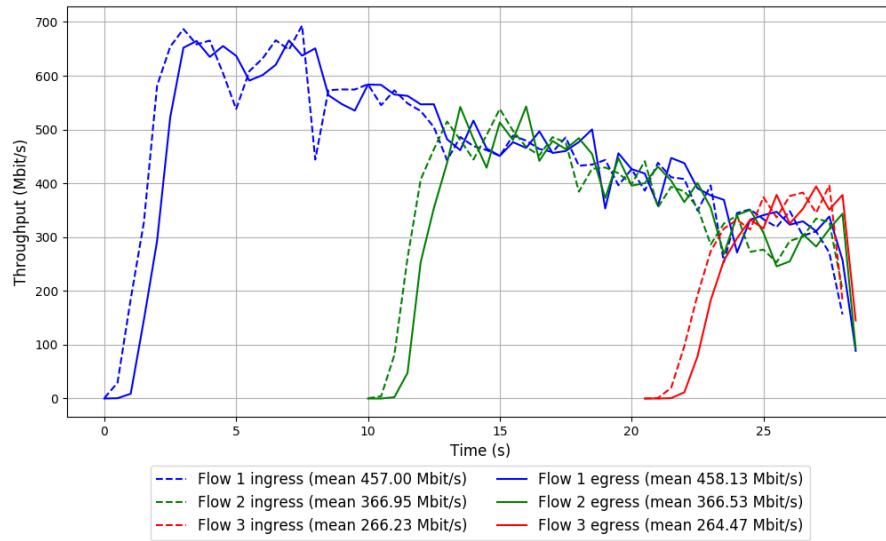


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 03:47:57
End at: 2019-11-24 03:48:27
Local clock offset: -0.033 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2019-11-24 08:12:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 759.21 Mbit/s
95th percentile per-packet one-way delay: 152.765 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 458.13 Mbit/s
95th percentile per-packet one-way delay: 160.833 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 366.53 Mbit/s
95th percentile per-packet one-way delay: 114.920 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 264.47 Mbit/s
95th percentile per-packet one-way delay: 110.484 ms
Loss rate: 3.55%
```

Run 1: Report of Indigo-MusesC3 — Data Link

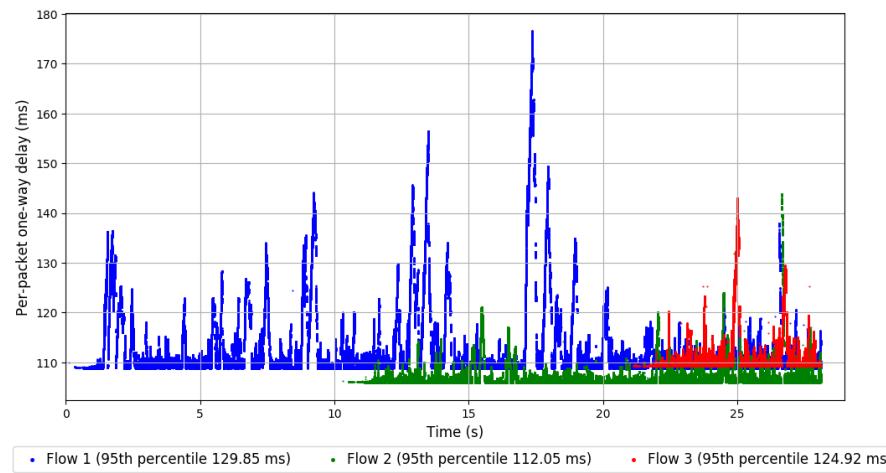
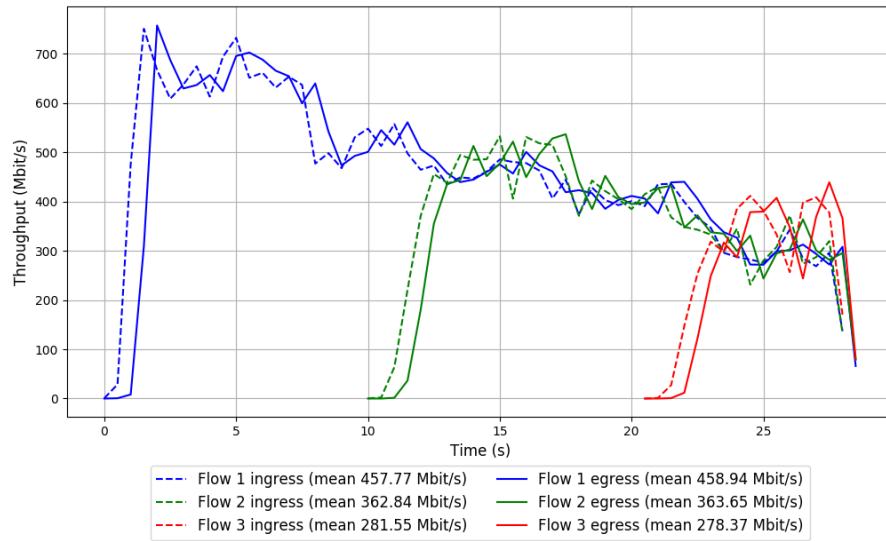


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 04:30:31
End at: 2019-11-24 04:31:01
Local clock offset: -0.096 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2019-11-24 08:12:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 761.61 Mbit/s
95th percentile per-packet one-way delay: 125.750 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 458.94 Mbit/s
95th percentile per-packet one-way delay: 129.847 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 363.65 Mbit/s
95th percentile per-packet one-way delay: 112.052 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 278.37 Mbit/s
95th percentile per-packet one-way delay: 124.921 ms
Loss rate: 4.07%
```

Run 2: Report of Indigo-MusesC3 — Data Link

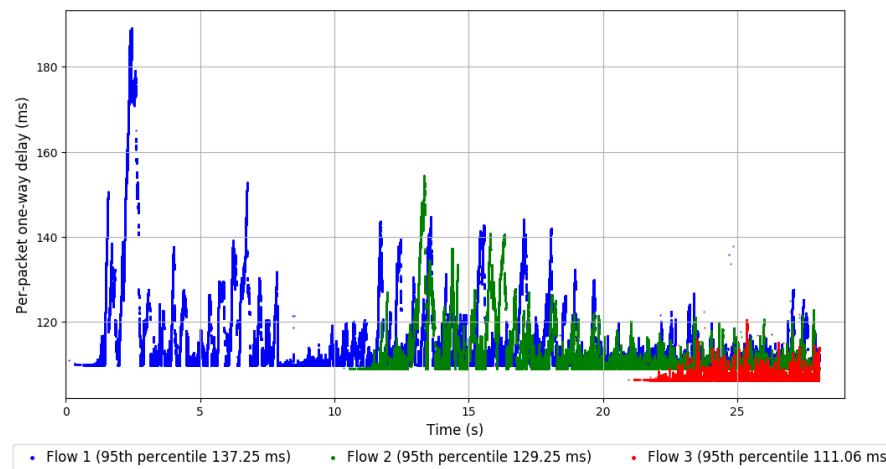
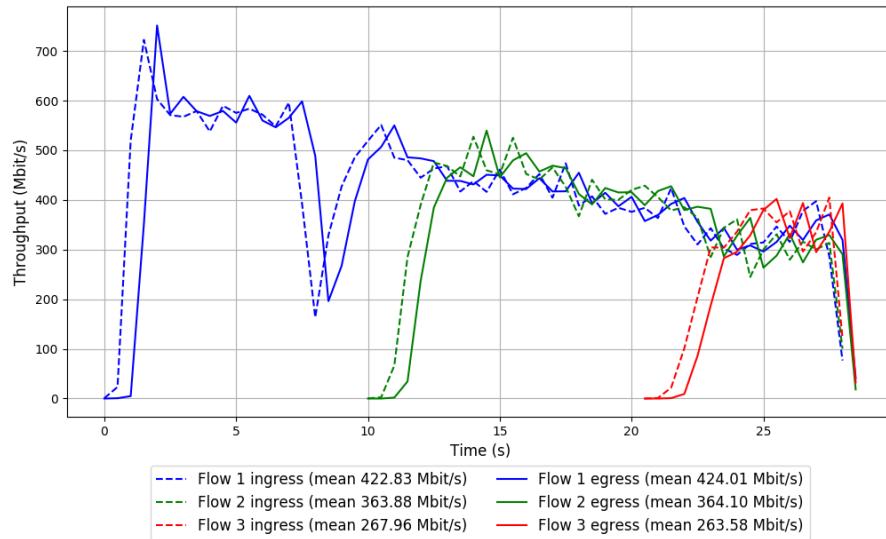


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 05:13:15
End at: 2019-11-24 05:13:45
Local clock offset: 0.056 ms
Remote clock offset: 0.33 ms

# Below is generated by plot.py at 2019-11-24 08:14:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 721.88 Mbit/s
95th percentile per-packet one-way delay: 134.059 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 424.01 Mbit/s
95th percentile per-packet one-way delay: 137.246 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 364.10 Mbit/s
95th percentile per-packet one-way delay: 129.248 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 263.58 Mbit/s
95th percentile per-packet one-way delay: 111.063 ms
Loss rate: 4.56%
```

Run 3: Report of Indigo-MusesC3 — Data Link

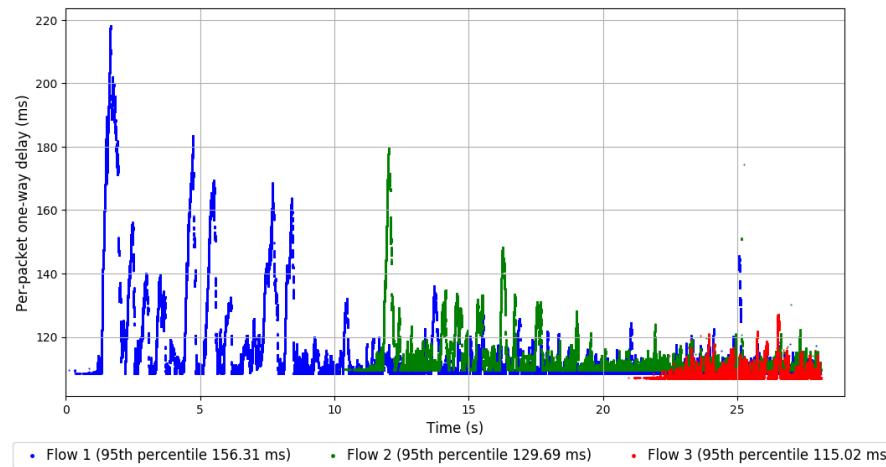
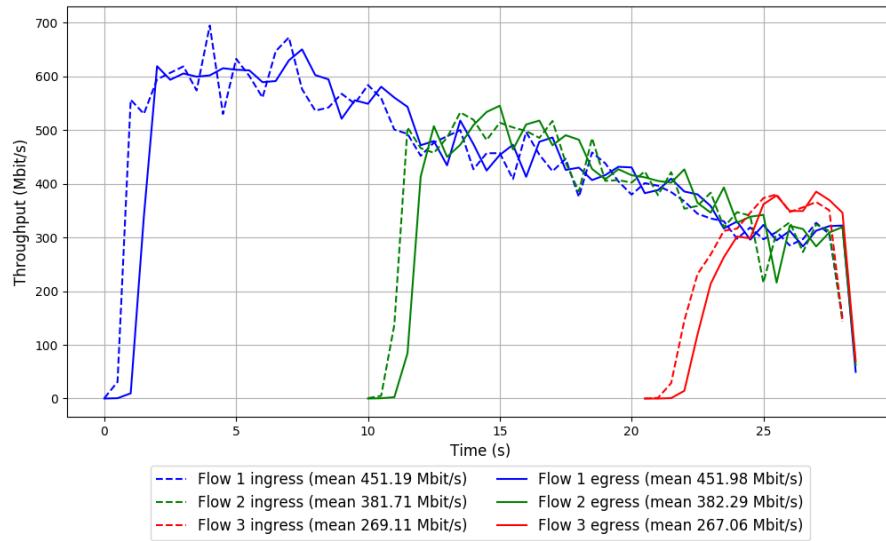


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 05:55:09
End at: 2019-11-24 05:55:39
Local clock offset: 0.078 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2019-11-24 08:15:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 765.24 Mbit/s
95th percentile per-packet one-way delay: 144.274 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 451.98 Mbit/s
95th percentile per-packet one-way delay: 156.306 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 382.29 Mbit/s
95th percentile per-packet one-way delay: 129.691 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 267.06 Mbit/s
95th percentile per-packet one-way delay: 115.018 ms
Loss rate: 3.68%
```

Run 4: Report of Indigo-MusesC3 — Data Link

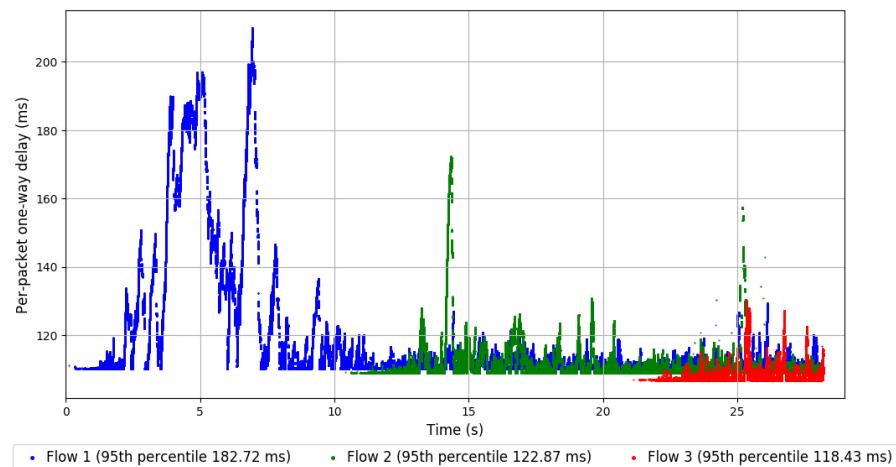
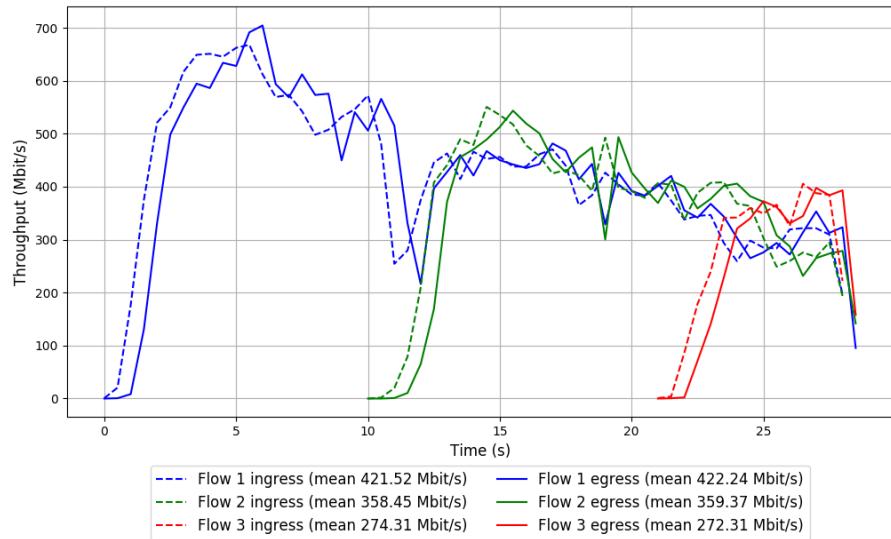


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 06:37:23
End at: 2019-11-24 06:37:53
Local clock offset: -0.137 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2019-11-24 08:16:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 718.47 Mbit/s
95th percentile per-packet one-way delay: 169.133 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 422.24 Mbit/s
95th percentile per-packet one-way delay: 182.723 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 359.37 Mbit/s
95th percentile per-packet one-way delay: 122.874 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 272.31 Mbit/s
95th percentile per-packet one-way delay: 118.427 ms
Loss rate: 3.69%
```

Run 5: Report of Indigo-MusesC3 — Data Link

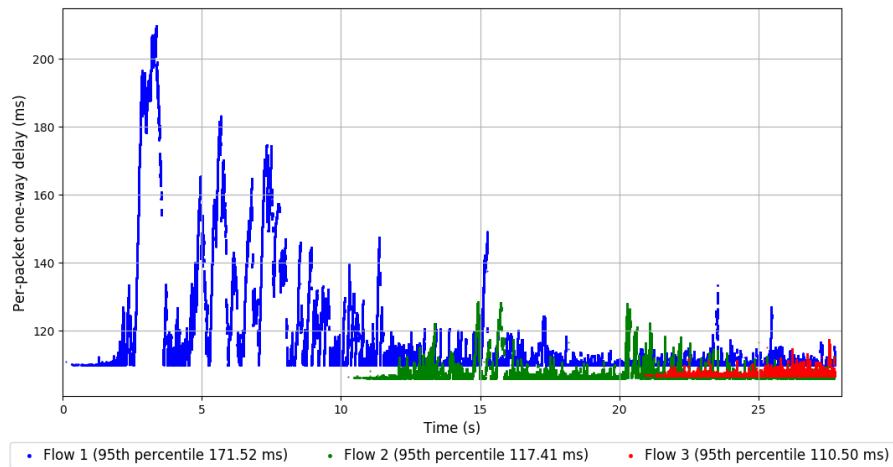
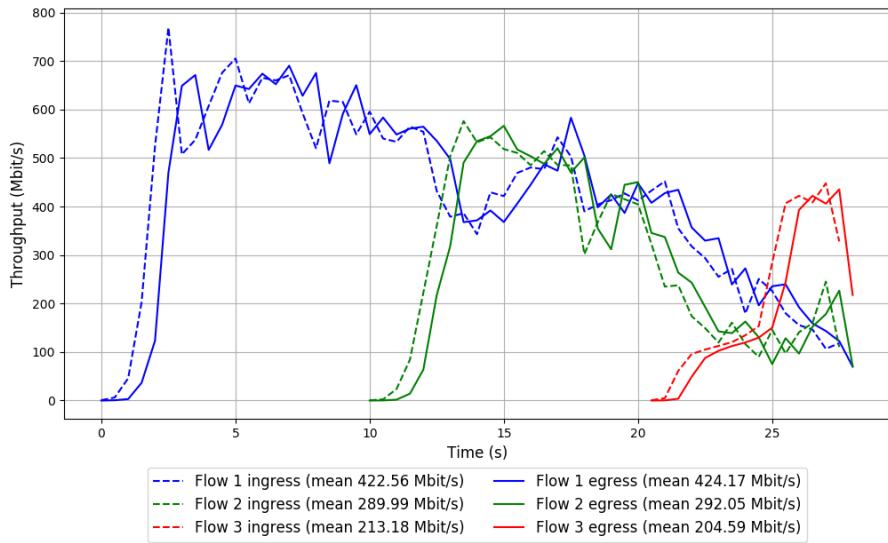


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 03:17:47
End at: 2019-11-24 03:18:17
Local clock offset: -0.126 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2019-11-24 08:18:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 660.74 Mbit/s
95th percentile per-packet one-way delay: 158.785 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 424.17 Mbit/s
95th percentile per-packet one-way delay: 171.517 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 292.05 Mbit/s
95th percentile per-packet one-way delay: 117.406 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 204.59 Mbit/s
95th percentile per-packet one-way delay: 110.501 ms
Loss rate: 6.88%
```

Run 1: Report of Indigo-MusesC5 — Data Link

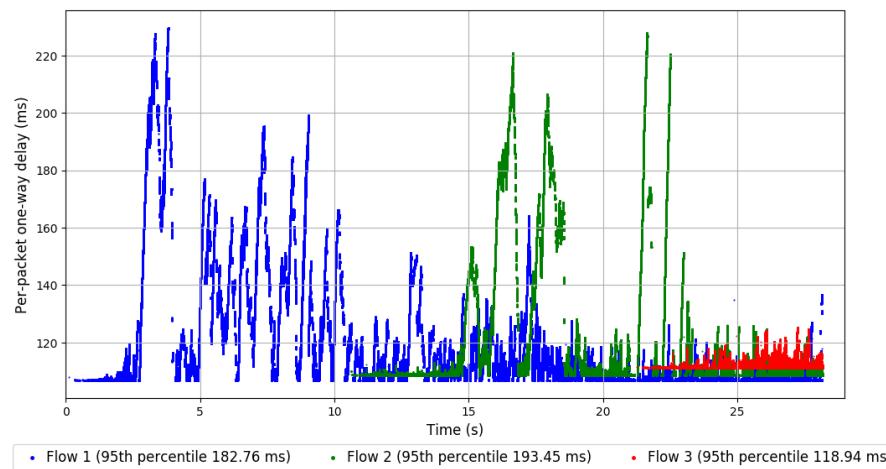
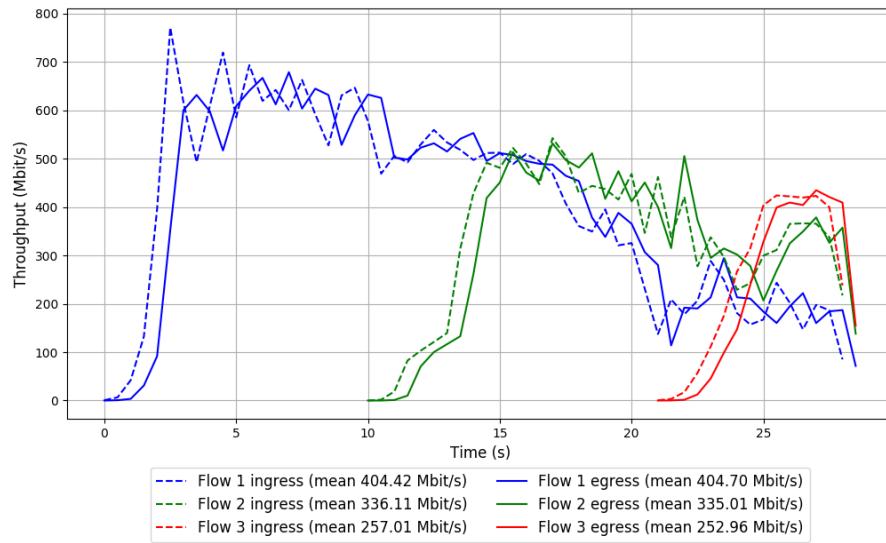


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 04:00:33
End at: 2019-11-24 04:01:03
Local clock offset: -0.219 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2019-11-24 08:19:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 678.94 Mbit/s
95th percentile per-packet one-way delay: 184.748 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 404.70 Mbit/s
95th percentile per-packet one-way delay: 182.763 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 335.01 Mbit/s
95th percentile per-packet one-way delay: 193.453 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 252.96 Mbit/s
95th percentile per-packet one-way delay: 118.937 ms
Loss rate: 4.64%
```

Run 2: Report of Indigo-MusesC5 — Data Link

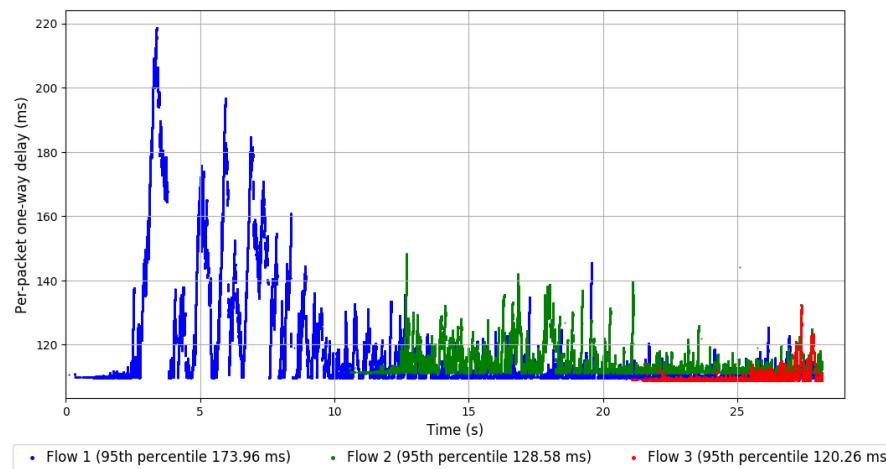
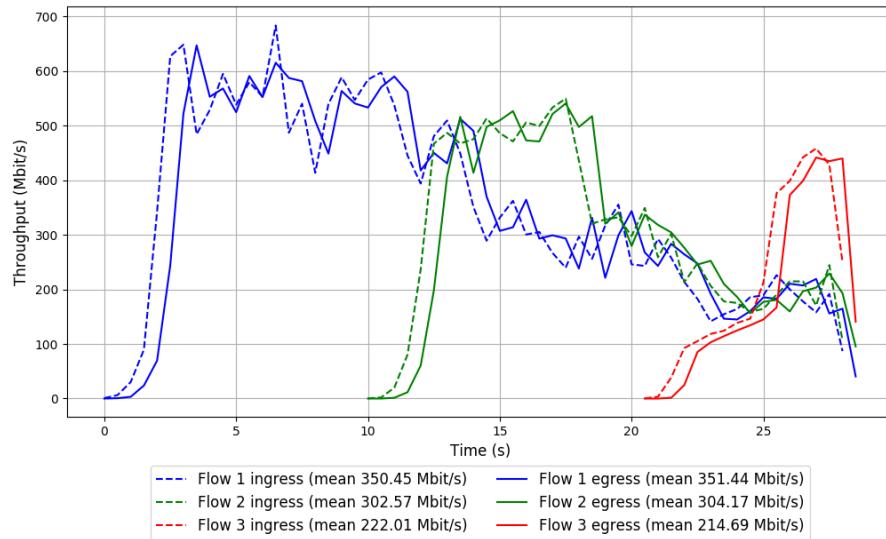


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 04:43:04
End at: 2019-11-24 04:43:34
Local clock offset: -0.154 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2019-11-24 08:20:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 600.12 Mbit/s
95th percentile per-packet one-way delay: 158.606 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 351.44 Mbit/s
95th percentile per-packet one-way delay: 173.962 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 304.17 Mbit/s
95th percentile per-packet one-way delay: 128.577 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 214.69 Mbit/s
95th percentile per-packet one-way delay: 120.261 ms
Loss rate: 6.15%
```

Run 3: Report of Indigo-MusesC5 — Data Link

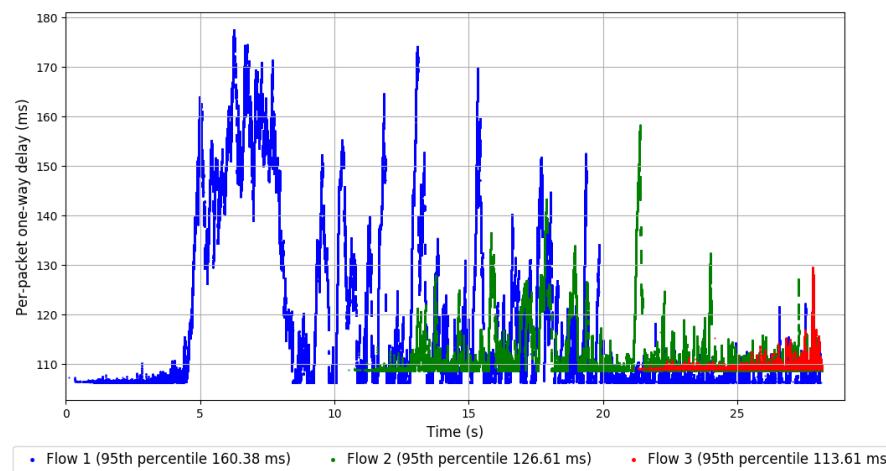
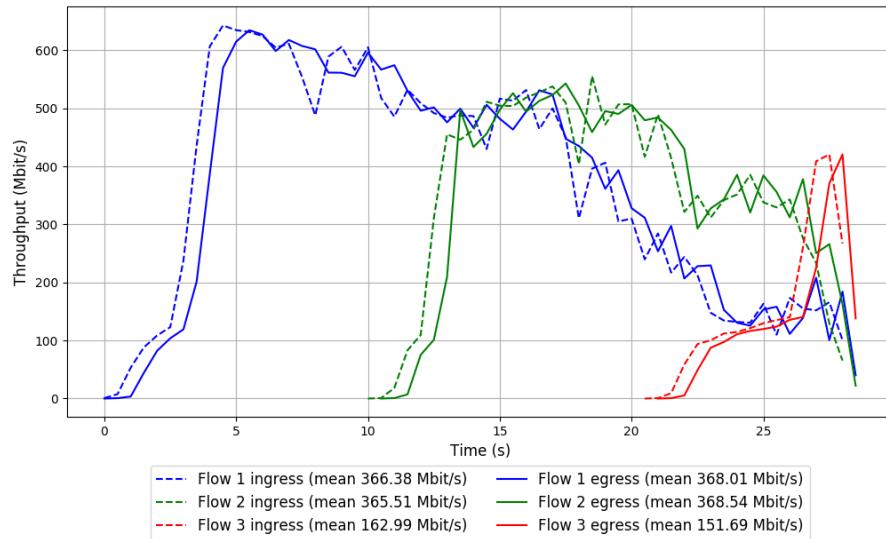


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 05:25:50
End at: 2019-11-24 05:26:20
Local clock offset: 0.06 ms
Remote clock offset: 0.272 ms

# Below is generated by plot.py at 2019-11-24 08:25:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 637.12 Mbit/s
95th percentile per-packet one-way delay: 154.644 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 368.01 Mbit/s
95th percentile per-packet one-way delay: 160.377 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 368.54 Mbit/s
95th percentile per-packet one-way delay: 126.608 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 151.69 Mbit/s
95th percentile per-packet one-way delay: 113.609 ms
Loss rate: 9.76%
```

Run 4: Report of Indigo-MusesC5 — Data Link

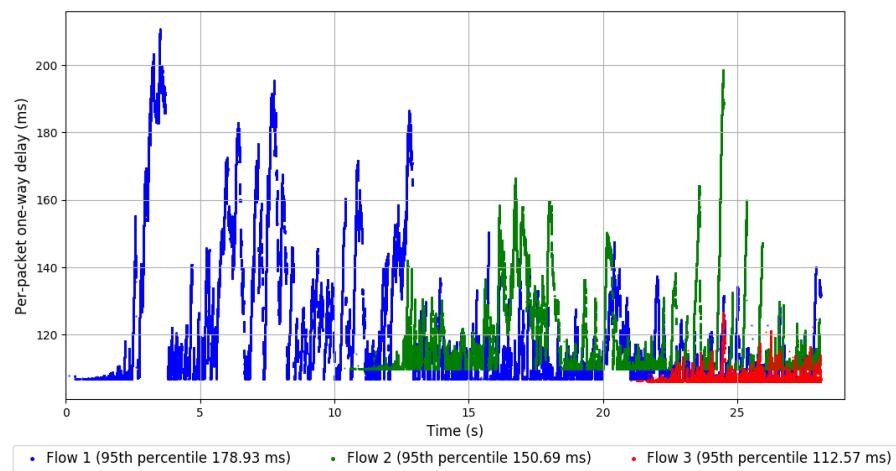
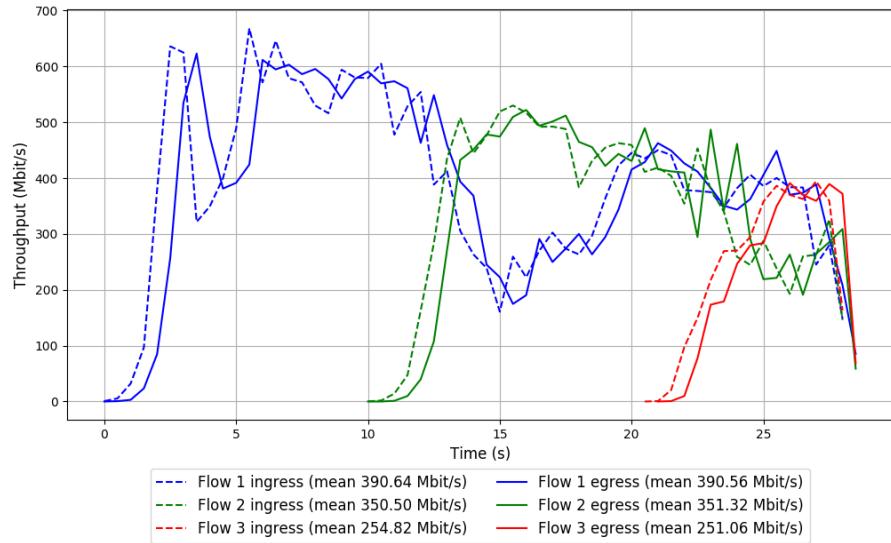


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 06:07:40
End at: 2019-11-24 06:08:10
Local clock offset: 0.079 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2019-11-24 08:26:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 676.04 Mbit/s
95th percentile per-packet one-way delay: 166.026 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 390.56 Mbit/s
95th percentile per-packet one-way delay: 178.928 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 351.32 Mbit/s
95th percentile per-packet one-way delay: 150.689 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 251.06 Mbit/s
95th percentile per-packet one-way delay: 112.569 ms
Loss rate: 4.41%
```

Run 5: Report of Indigo-MusesC5 — Data Link

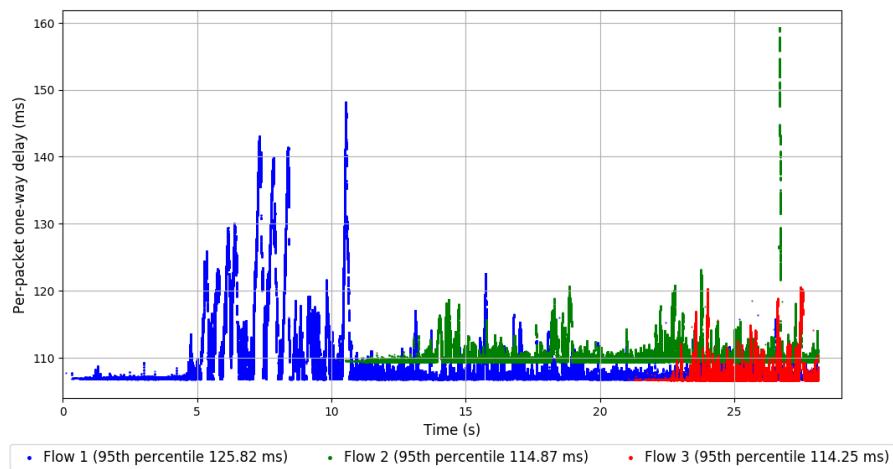
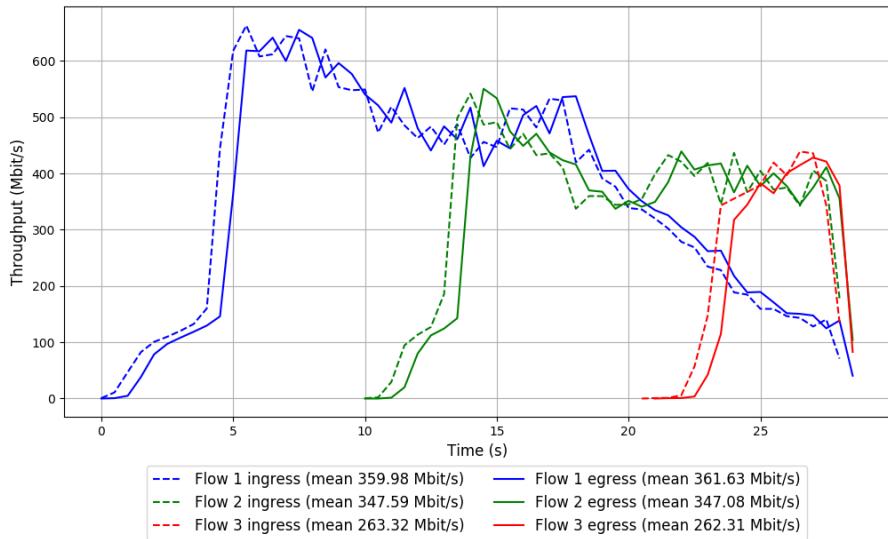


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 03:22:38
End at: 2019-11-24 03:23:08
Local clock offset: -0.164 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2019-11-24 08:27:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 648.30 Mbit/s
95th percentile per-packet one-way delay: 120.986 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 361.63 Mbit/s
95th percentile per-packet one-way delay: 125.821 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 347.08 Mbit/s
95th percentile per-packet one-way delay: 114.871 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 262.31 Mbit/s
95th percentile per-packet one-way delay: 114.251 ms
Loss rate: 3.36%
```

Run 1: Report of Indigo-MusesD — Data Link

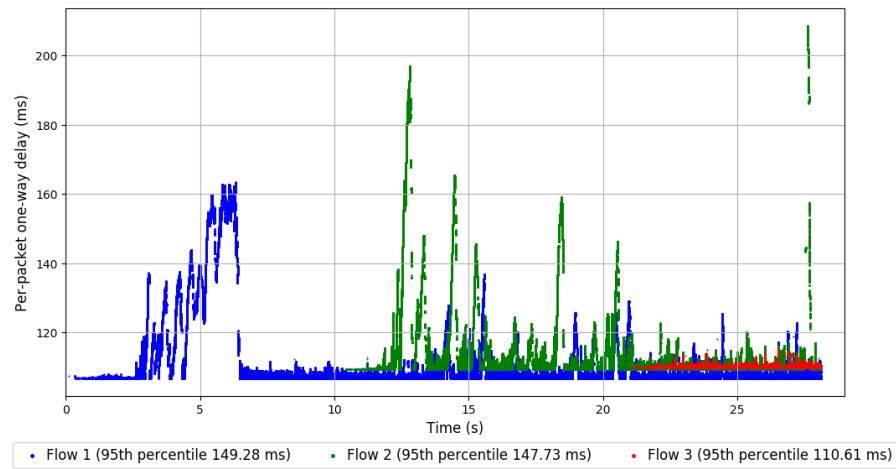
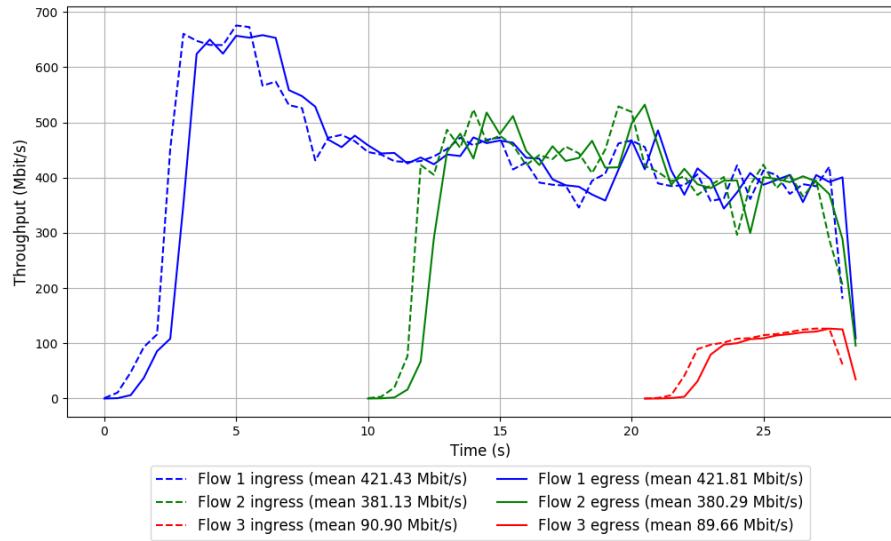


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 04:05:22
End at: 2019-11-24 04:05:52
Local clock offset: -0.07 ms
Remote clock offset: -0.141 ms

# Below is generated by plot.py at 2019-11-24 08:29:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 687.98 Mbit/s
95th percentile per-packet one-way delay: 147.489 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 421.81 Mbit/s
95th percentile per-packet one-way delay: 149.276 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 380.29 Mbit/s
95th percentile per-packet one-way delay: 147.730 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 110.610 ms
Loss rate: 4.31%
```

Run 2: Report of Indigo-MusesD — Data Link

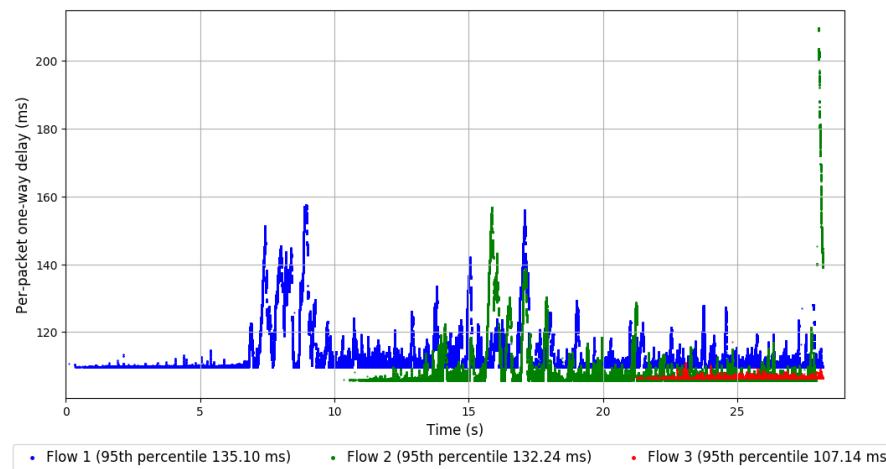
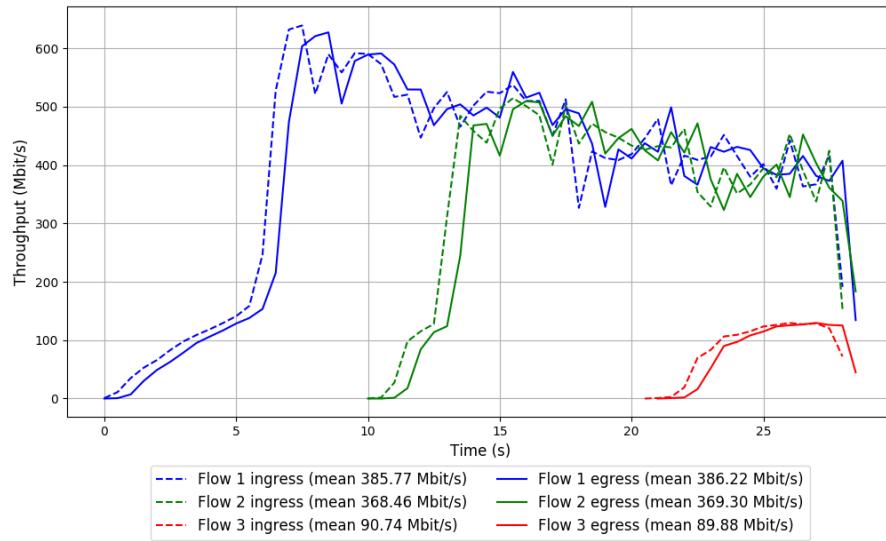


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 04:48:02
End at: 2019-11-24 04:48:32
Local clock offset: -0.372 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2019-11-24 08:29:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 643.59 Mbit/s
95th percentile per-packet one-way delay: 133.899 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 386.22 Mbit/s
95th percentile per-packet one-way delay: 135.104 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 369.30 Mbit/s
95th percentile per-packet one-way delay: 132.243 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: 107.142 ms
Loss rate: 3.83%
```

Run 3: Report of Indigo-MusesD — Data Link

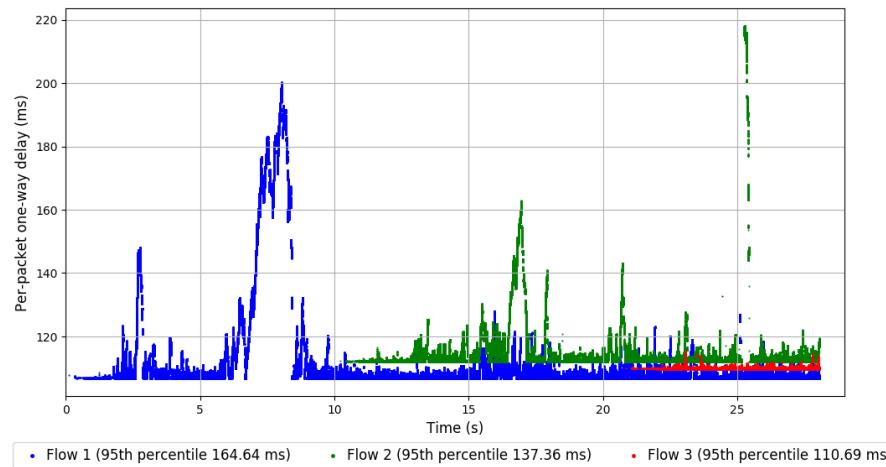
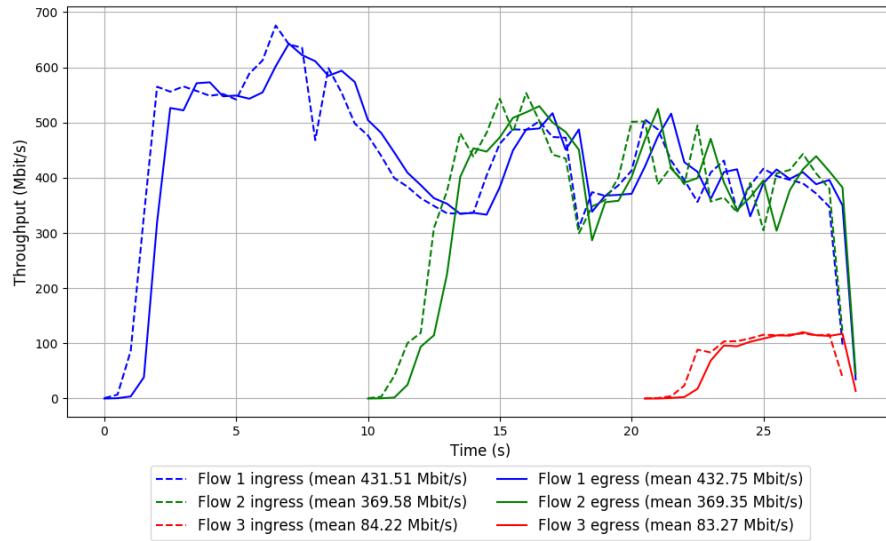


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 05:30:46
End at: 2019-11-24 05:31:16
Local clock offset: 0.126 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2019-11-24 08:32:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 689.80 Mbit/s
95th percentile per-packet one-way delay: 150.225 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 432.75 Mbit/s
95th percentile per-packet one-way delay: 164.641 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 369.35 Mbit/s
95th percentile per-packet one-way delay: 137.356 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 83.27 Mbit/s
95th percentile per-packet one-way delay: 110.691 ms
Loss rate: 4.09%
```

Run 4: Report of Indigo-MusesD — Data Link

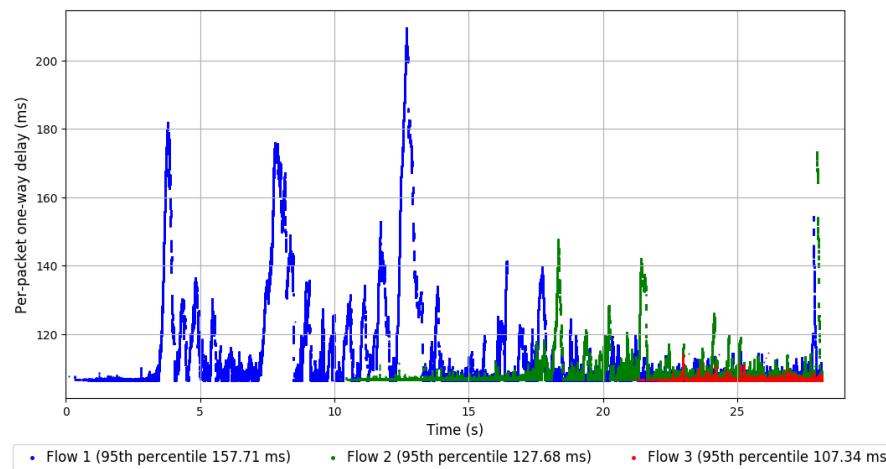
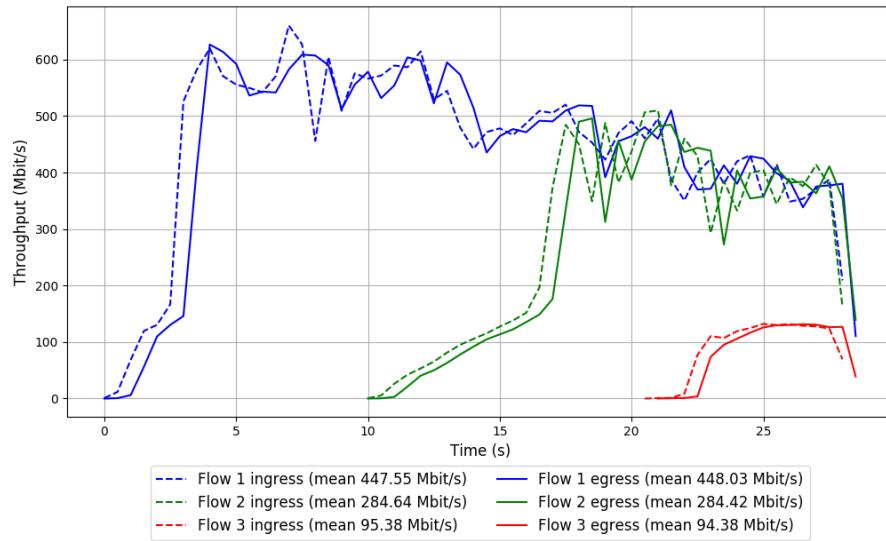


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 06:12:29
End at: 2019-11-24 06:12:59
Local clock offset: -0.141 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2019-11-24 08:32:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 653.53 Mbit/s
95th percentile per-packet one-way delay: 143.489 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 448.03 Mbit/s
95th percentile per-packet one-way delay: 157.714 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 284.42 Mbit/s
95th percentile per-packet one-way delay: 127.677 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 107.336 ms
Loss rate: 3.97%
```

Run 5: Report of Indigo-MusesD — Data Link

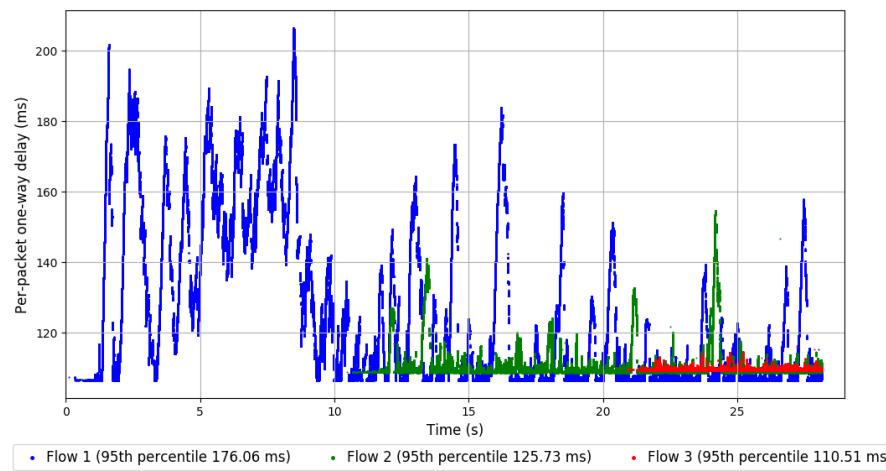
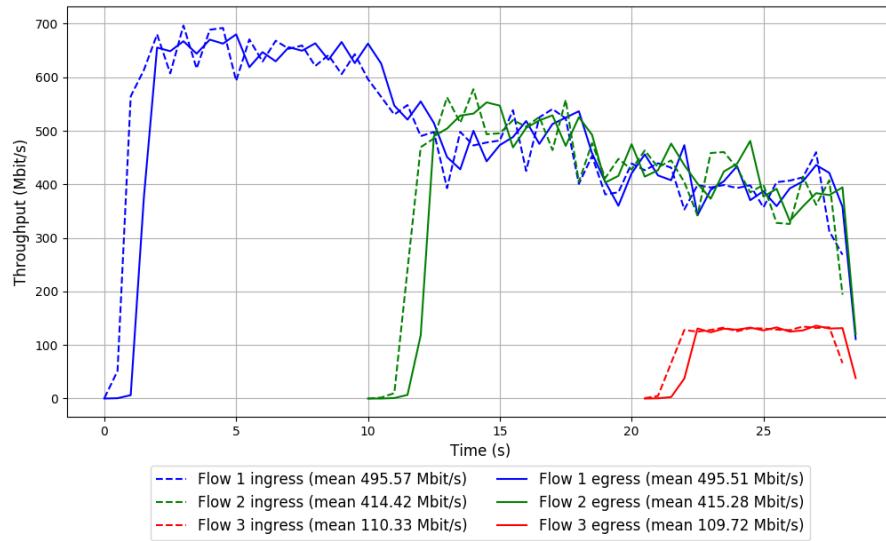


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 03:54:45
End at: 2019-11-24 03:55:15
Local clock offset: -0.128 ms
Remote clock offset: -0.104 ms

# Below is generated by plot.py at 2019-11-24 08:36:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 786.58 Mbit/s
95th percentile per-packet one-way delay: 171.842 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 495.51 Mbit/s
95th percentile per-packet one-way delay: 176.059 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 415.28 Mbit/s
95th percentile per-packet one-way delay: 125.729 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 109.72 Mbit/s
95th percentile per-packet one-way delay: 110.512 ms
Loss rate: 3.53%
```

Run 1: Report of Indigo-MusesT — Data Link

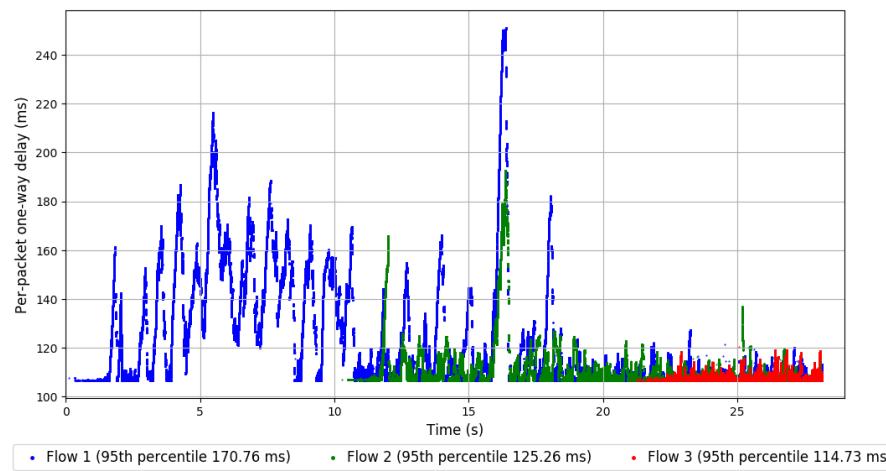
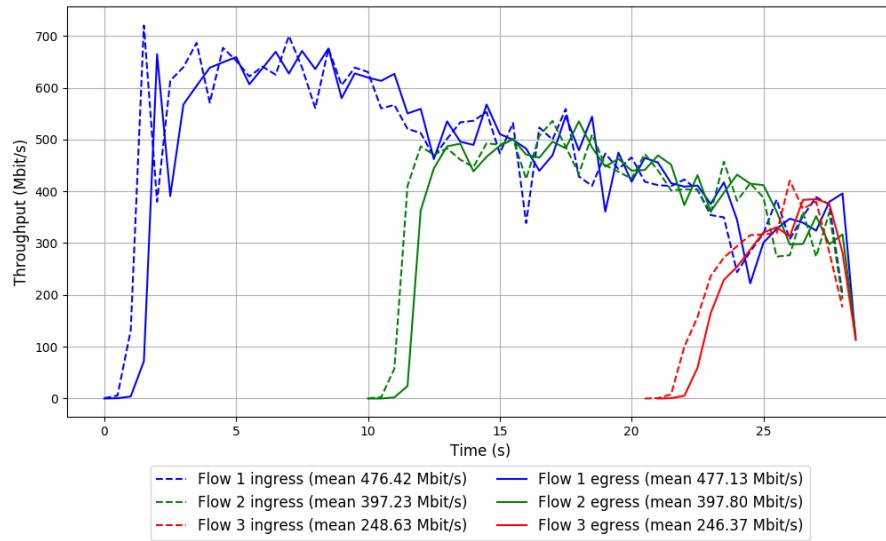


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 04:37:14
End at: 2019-11-24 04:37:44
Local clock offset: -0.085 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2019-11-24 08:41:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 793.05 Mbit/s
95th percentile per-packet one-way delay: 164.271 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 477.13 Mbit/s
95th percentile per-packet one-way delay: 170.762 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 397.80 Mbit/s
95th percentile per-packet one-way delay: 125.256 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 246.37 Mbit/s
95th percentile per-packet one-way delay: 114.729 ms
Loss rate: 3.82%
```

Run 2: Report of Indigo-MusesT — Data Link

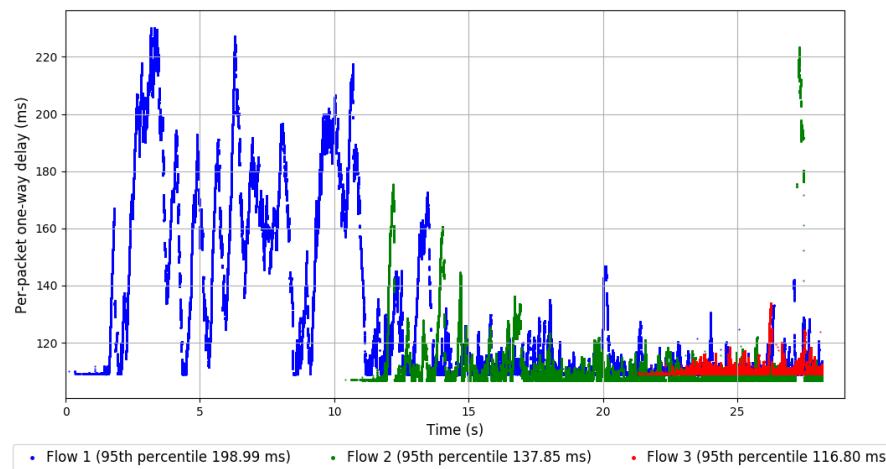
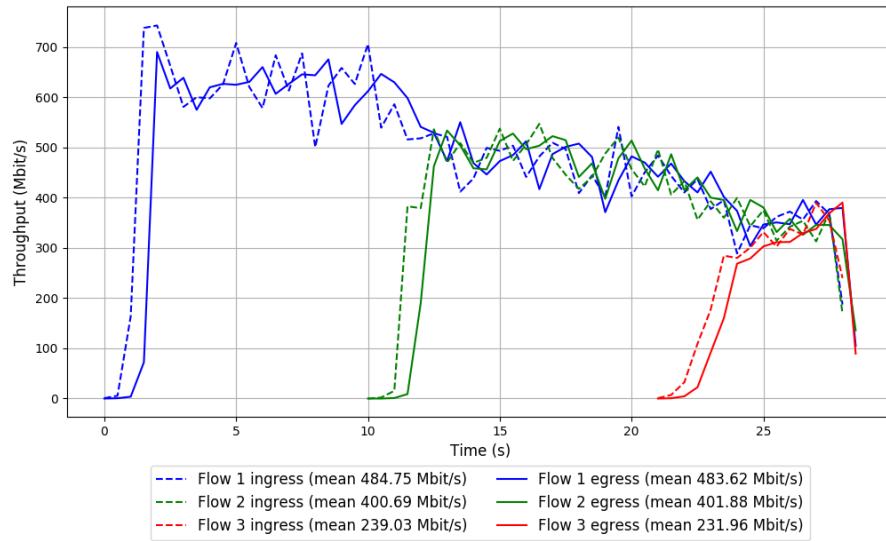


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 05:19:53
End at: 2019-11-24 05:20:23
Local clock offset: -0.151 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2019-11-24 08:42:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 796.18 Mbit/s
95th percentile per-packet one-way delay: 193.208 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 483.62 Mbit/s
95th percentile per-packet one-way delay: 198.990 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 401.88 Mbit/s
95th percentile per-packet one-way delay: 137.849 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 231.96 Mbit/s
95th percentile per-packet one-way delay: 116.795 ms
Loss rate: 5.91%
```

Run 3: Report of Indigo-MusesT — Data Link

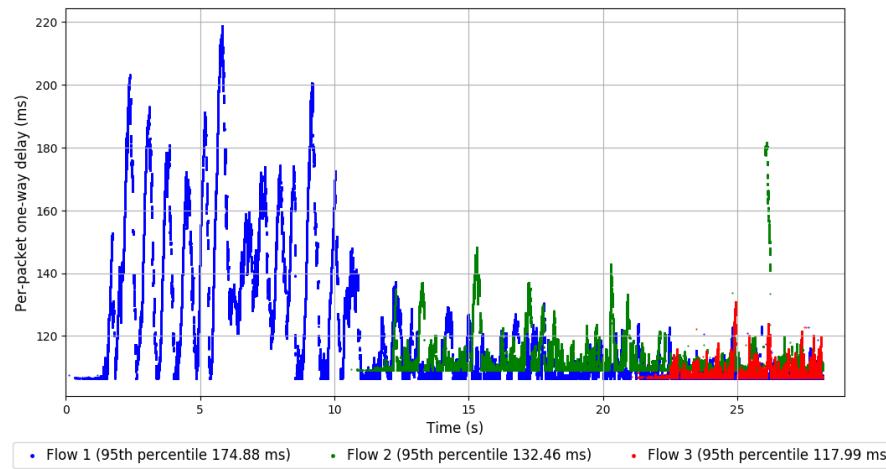
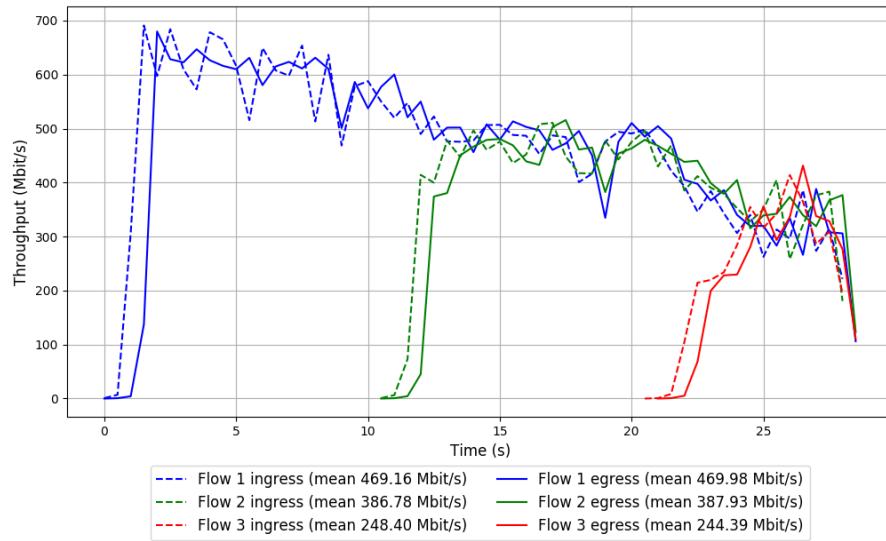


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 06:01:50
End at: 2019-11-24 06:02:20
Local clock offset: -0.143 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2019-11-24 08:43:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 774.45 Mbit/s
95th percentile per-packet one-way delay: 167.457 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 469.98 Mbit/s
95th percentile per-packet one-way delay: 174.883 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 387.93 Mbit/s
95th percentile per-packet one-way delay: 132.460 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 244.39 Mbit/s
95th percentile per-packet one-way delay: 117.994 ms
Loss rate: 4.55%
```

Run 4: Report of Indigo-MusesT — Data Link

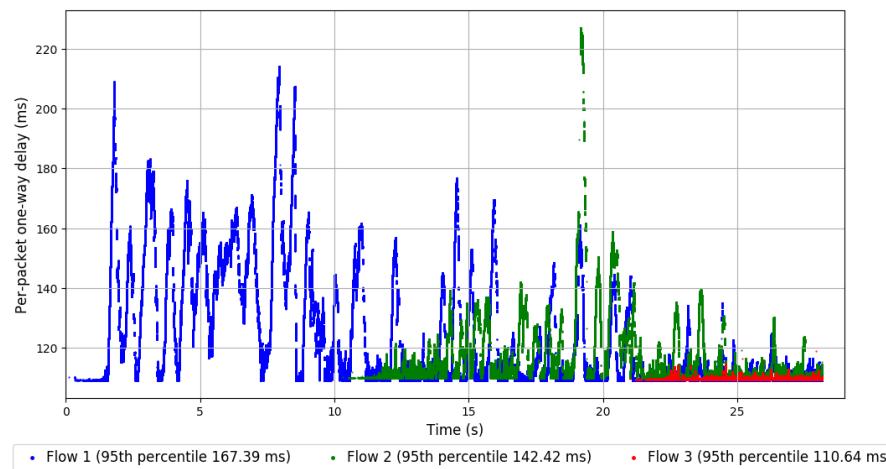
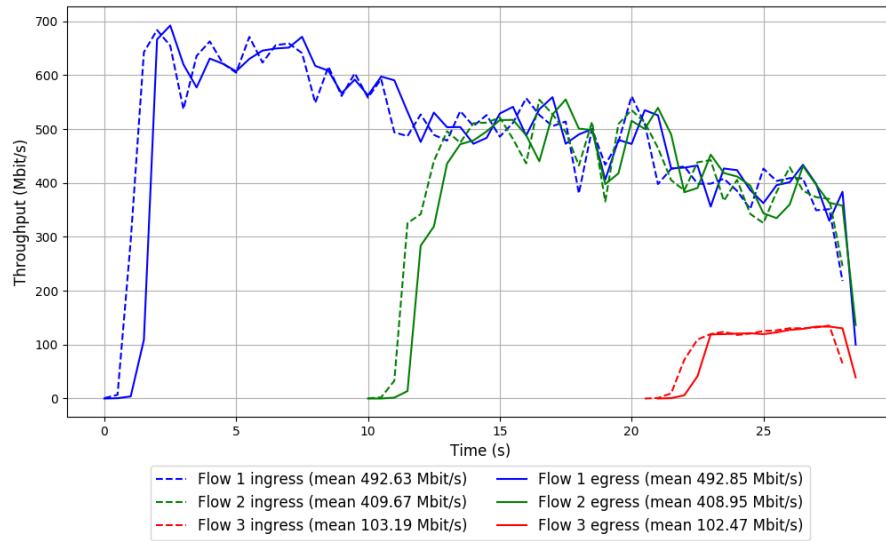


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 06:44:07
End at: 2019-11-24 06:44:37
Local clock offset: -0.16 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2019-11-24 08:44:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 778.98 Mbit/s
95th percentile per-packet one-way delay: 162.737 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 492.85 Mbit/s
95th percentile per-packet one-way delay: 167.392 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 408.95 Mbit/s
95th percentile per-packet one-way delay: 142.416 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 102.47 Mbit/s
95th percentile per-packet one-way delay: 110.640 ms
Loss rate: 3.66%
```

Run 5: Report of Indigo-MusesT — Data Link

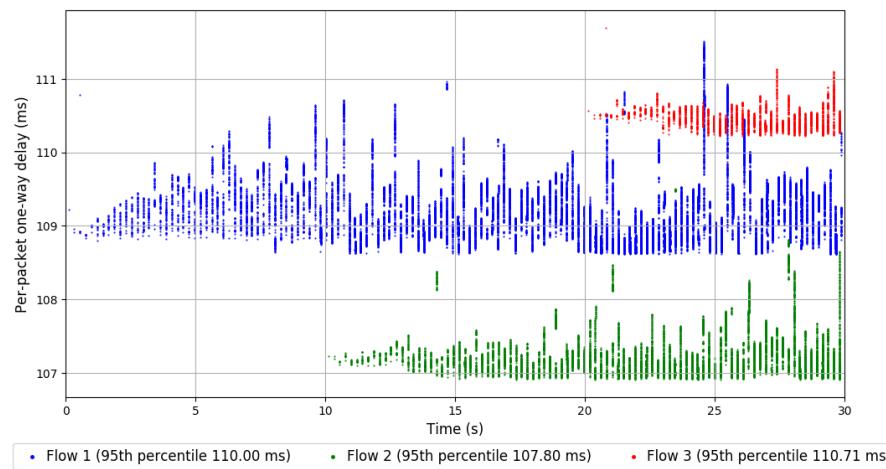
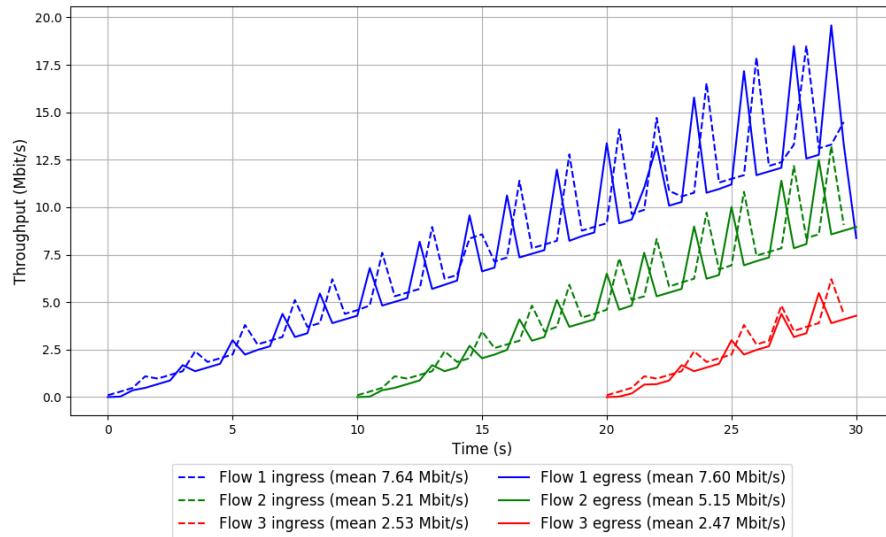


Run 1: Statistics of LEDBAT

```
Start at: 2019-11-24 03:44:41
End at: 2019-11-24 03:45:11
Local clock offset: -0.047 ms
Remote clock offset: -0.456 ms

# Below is generated by plot.py at 2019-11-24 08:44:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.81 Mbit/s
95th percentile per-packet one-way delay: 110.419 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 7.60 Mbit/s
95th percentile per-packet one-way delay: 110.000 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 5.15 Mbit/s
95th percentile per-packet one-way delay: 107.800 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 110.711 ms
Loss rate: 4.43%
```

Run 1: Report of LEDBAT — Data Link

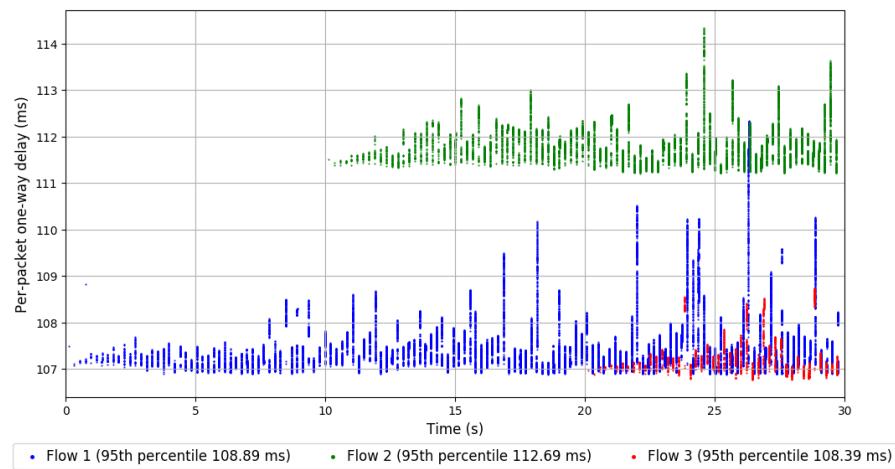
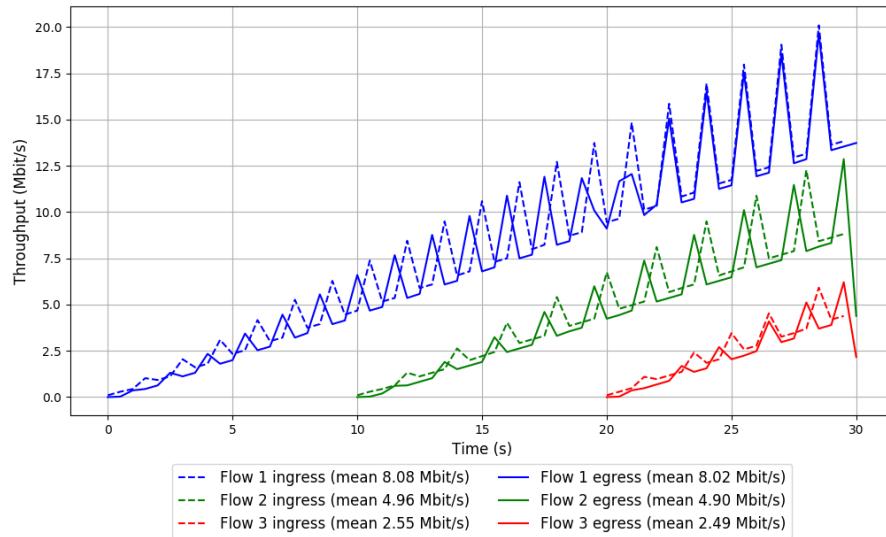


Run 2: Statistics of LEDBAT

```
Start at: 2019-11-24 04:27:14
End at: 2019-11-24 04:27:44
Local clock offset: -0.061 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2019-11-24 08:44:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 112.097 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 8.02 Mbit/s
95th percentile per-packet one-way delay: 108.889 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 112.686 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 108.395 ms
Loss rate: 4.43%
```

Run 2: Report of LEDBAT — Data Link

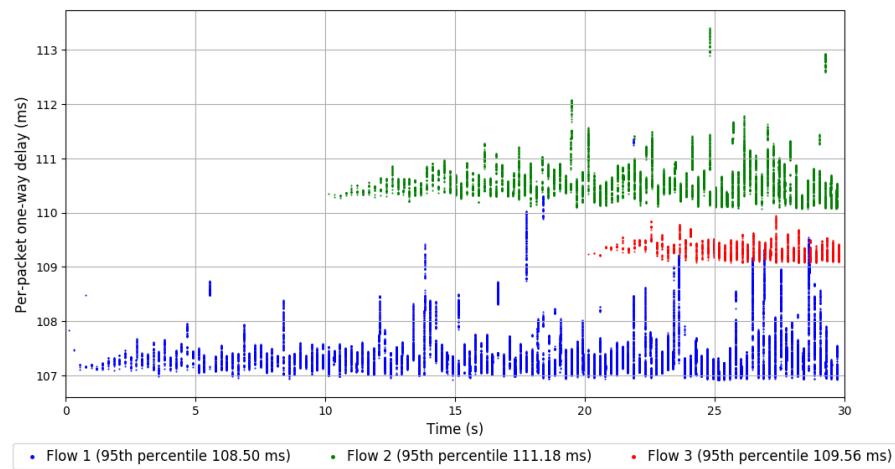
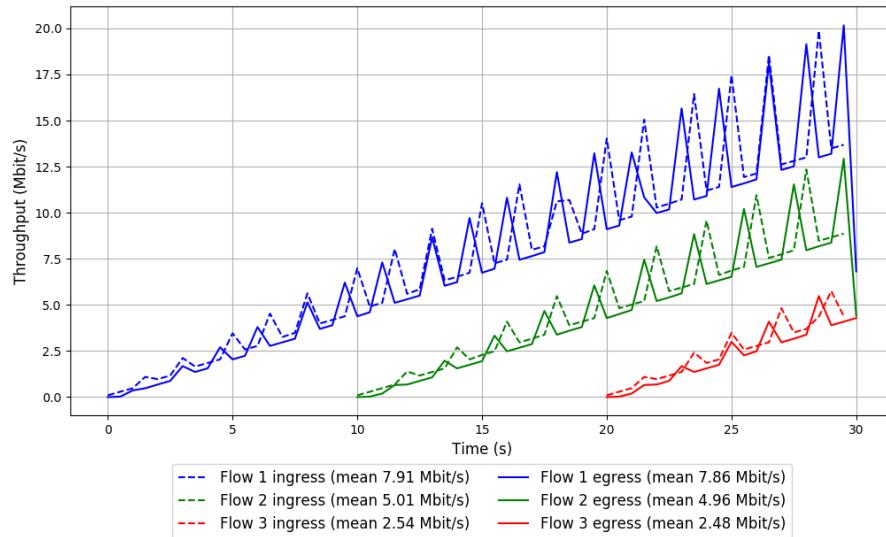


Run 3: Statistics of LEDBAT

```
Start at: 2019-11-24 05:09:57
End at: 2019-11-24 05:10:27
Local clock offset: -0.075 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2019-11-24 08:44:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 110.819 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 108.495 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 4.96 Mbit/s
95th percentile per-packet one-way delay: 111.178 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 109.562 ms
Loss rate: 4.42%
```

Run 3: Report of LEDBAT — Data Link

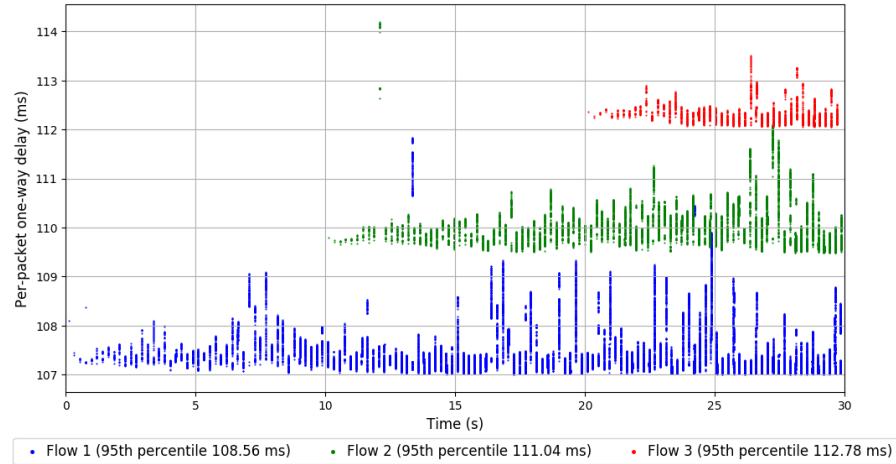
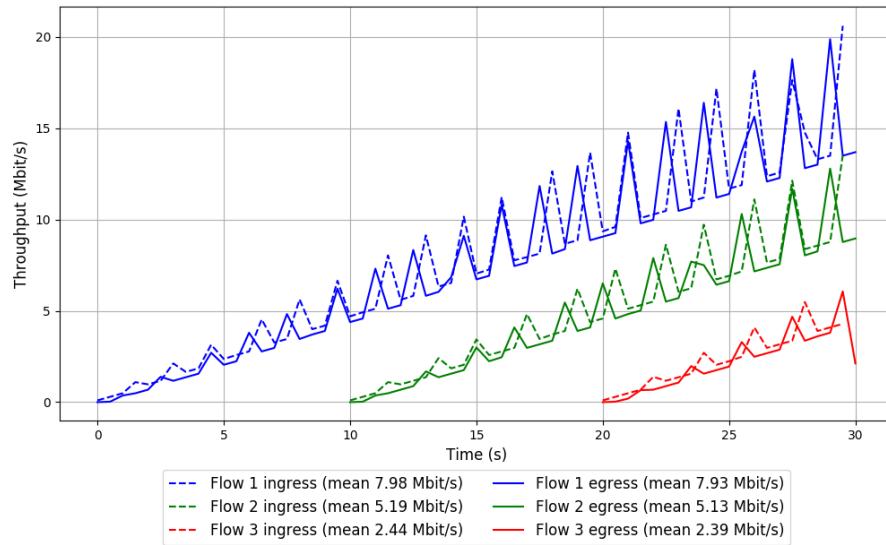


Run 4: Statistics of LEDBAT

```
Start at: 2019-11-24 05:51:53
End at: 2019-11-24 05:52:23
Local clock offset: -0.075 ms
Remote clock offset: -0.153 ms

# Below is generated by plot.py at 2019-11-24 08:44:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 112.164 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 108.558 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 5.13 Mbit/s
95th percentile per-packet one-way delay: 111.040 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 112.780 ms
Loss rate: 4.53%
```

Run 4: Report of LEDBAT — Data Link

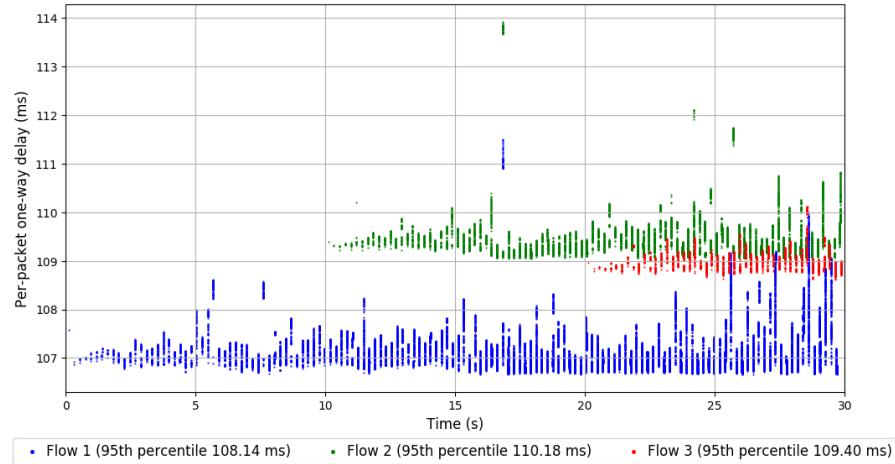
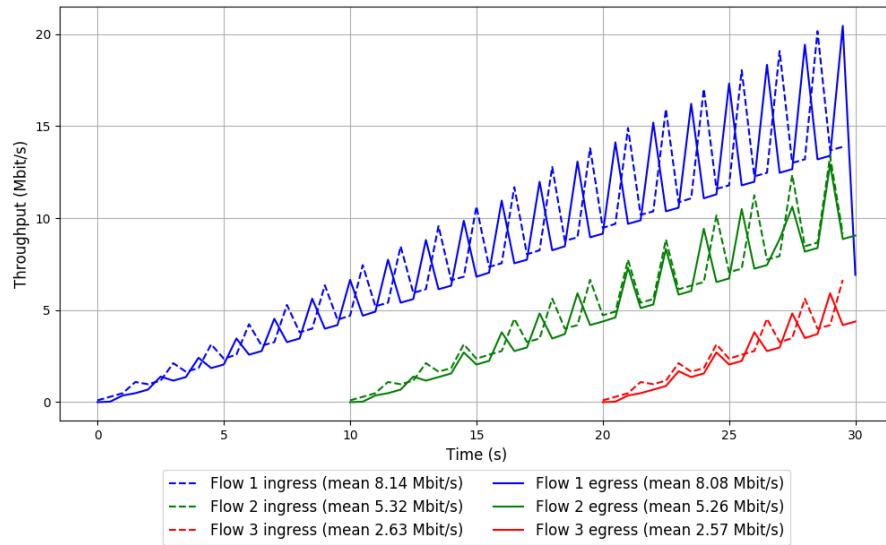


Run 5: Statistics of LEDBAT

```
Start at: 2019-11-24 06:34:08
End at: 2019-11-24 06:34:38
Local clock offset: -0.024 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2019-11-24 08:44:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 109.661 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 108.143 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 5.26 Mbit/s
95th percentile per-packet one-way delay: 110.176 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 109.402 ms
Loss rate: 4.33%
```

Run 5: Report of LEDBAT — Data Link

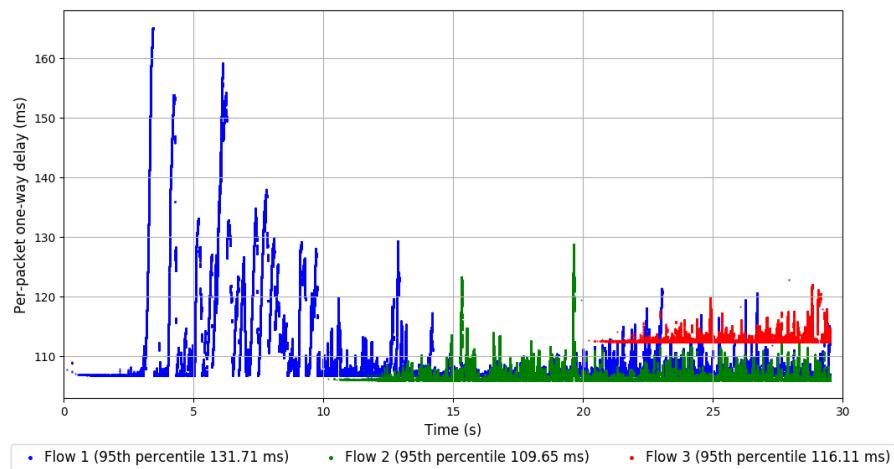
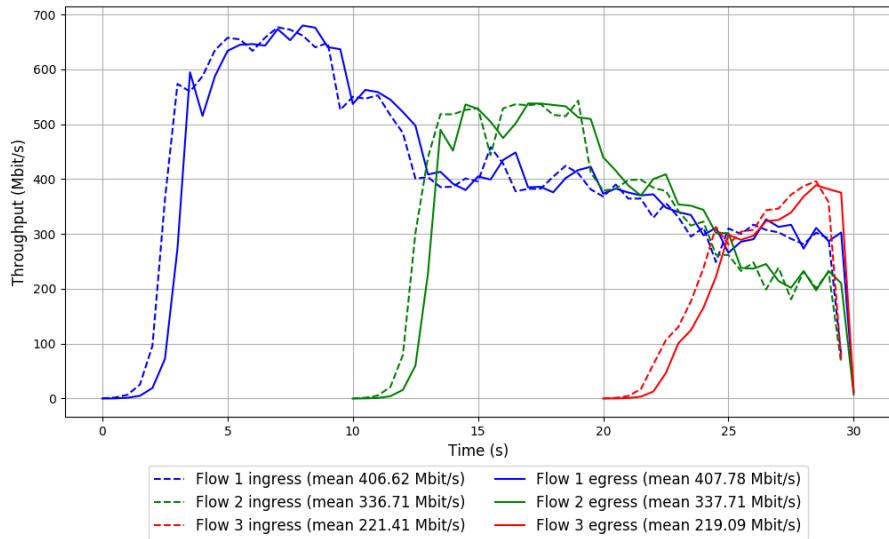


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 03:35:52
End at: 2019-11-24 03:36:22
Local clock offset: -0.105 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2019-11-24 08:47:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 698.93 Mbit/s
95th percentile per-packet one-way delay: 126.992 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 407.78 Mbit/s
95th percentile per-packet one-way delay: 131.711 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 337.71 Mbit/s
95th percentile per-packet one-way delay: 109.648 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 219.09 Mbit/s
95th percentile per-packet one-way delay: 116.108 ms
Loss rate: 3.37%
```

Run 1: Report of Muses_DecisionTree — Data Link

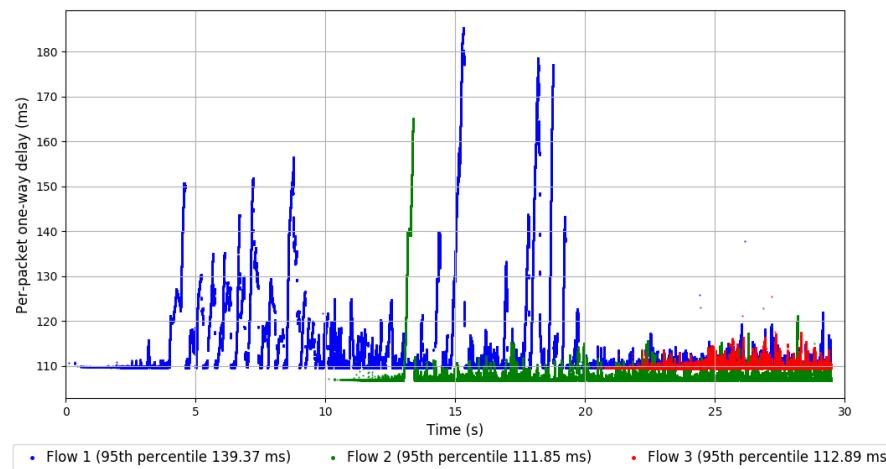
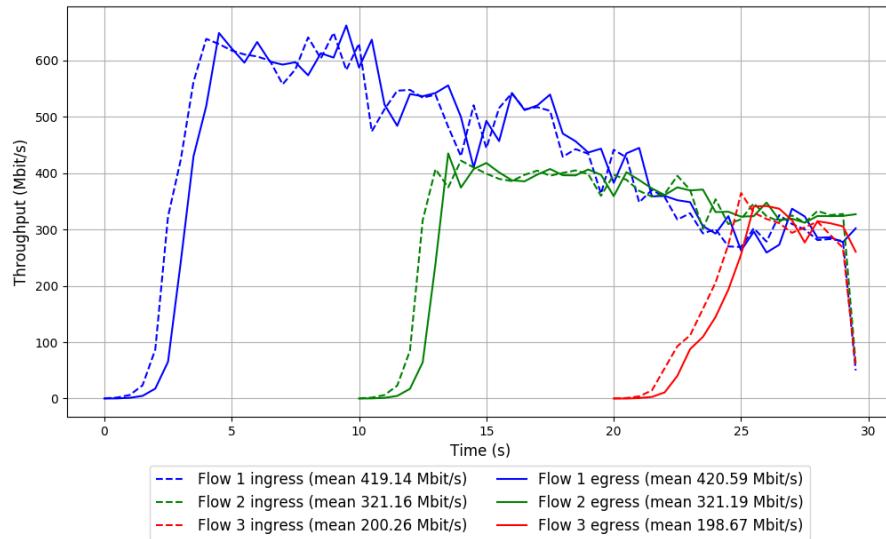


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 04:18:16
End at: 2019-11-24 04:18:46
Local clock offset: -0.135 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2019-11-24 08:47:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 694.42 Mbit/s
95th percentile per-packet one-way delay: 133.299 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 420.59 Mbit/s
95th percentile per-packet one-way delay: 139.374 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 321.19 Mbit/s
95th percentile per-packet one-way delay: 111.852 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 198.67 Mbit/s
95th percentile per-packet one-way delay: 112.895 ms
Loss rate: 3.12%
```

Run 2: Report of Muses_DecisionTree — Data Link

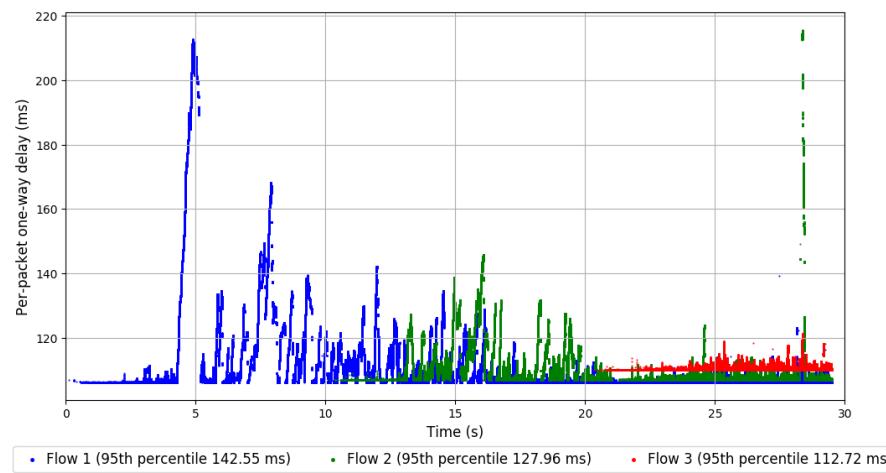
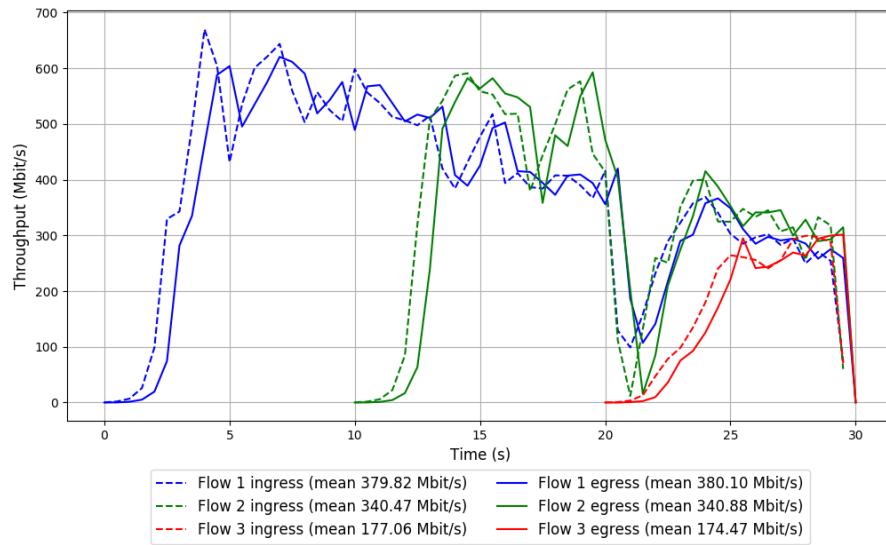


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 05:01:19
End at: 2019-11-24 05:01:49
Local clock offset: -0.004 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2019-11-24 08:47:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 658.76 Mbit/s
95th percentile per-packet one-way delay: 133.172 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 380.10 Mbit/s
95th percentile per-packet one-way delay: 142.554 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 340.88 Mbit/s
95th percentile per-packet one-way delay: 127.960 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 174.47 Mbit/s
95th percentile per-packet one-way delay: 112.719 ms
Loss rate: 3.75%
```

Run 3: Report of Muses_DecisionTree — Data Link

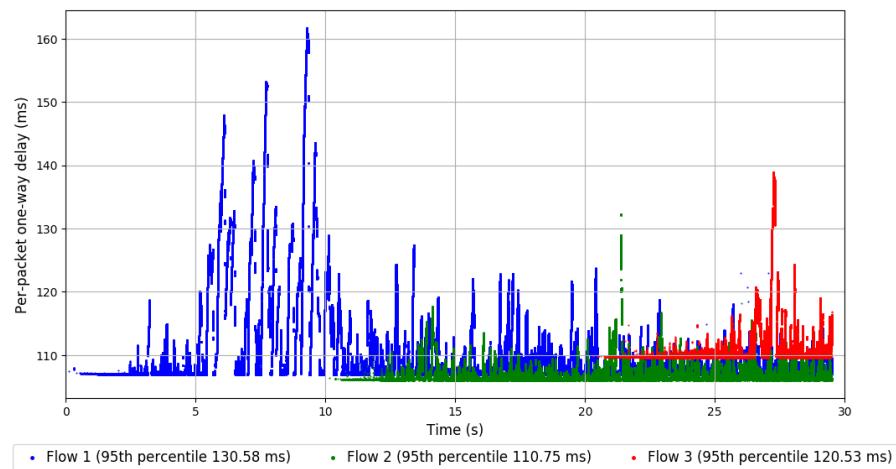
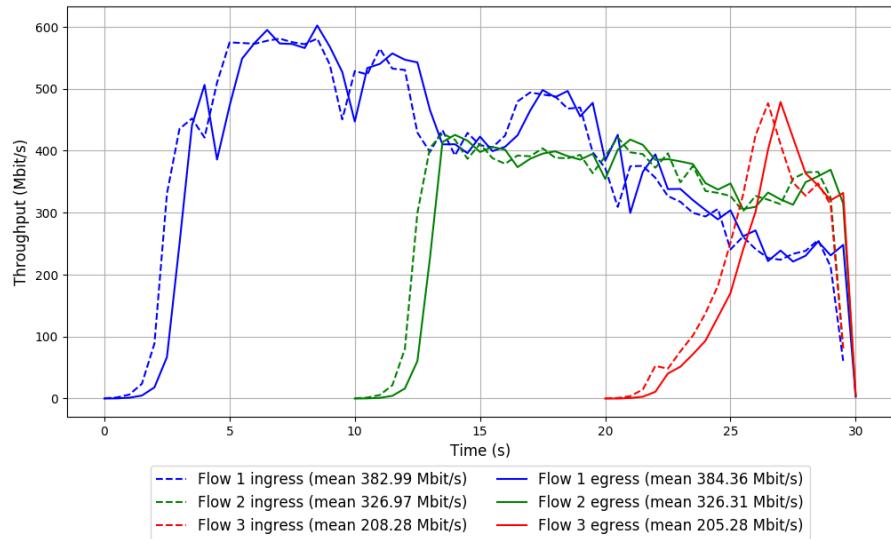


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 05:43:40
End at: 2019-11-24 05:44:10
Local clock offset: -0.043 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2019-11-24 08:50:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 663.35 Mbit/s
95th percentile per-packet one-way delay: 126.873 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 384.36 Mbit/s
95th percentile per-packet one-way delay: 130.580 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 326.31 Mbit/s
95th percentile per-packet one-way delay: 110.749 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 205.28 Mbit/s
95th percentile per-packet one-way delay: 120.534 ms
Loss rate: 3.74%
```

Run 4: Report of Muses_DecisionTree — Data Link

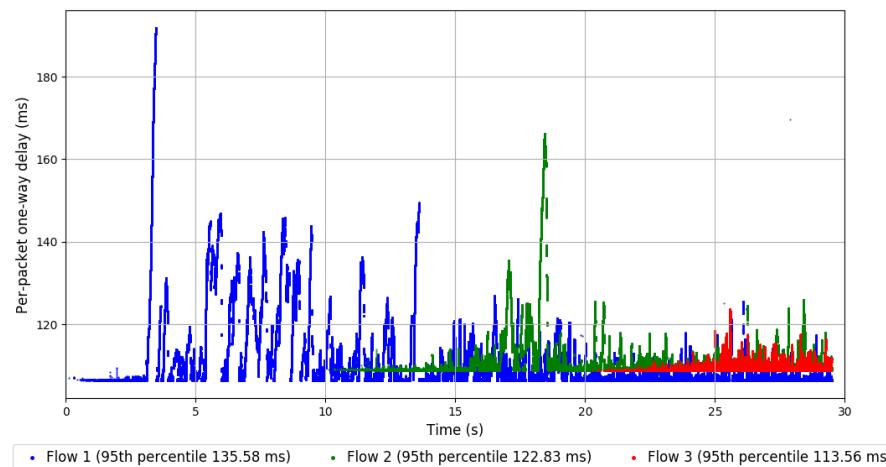
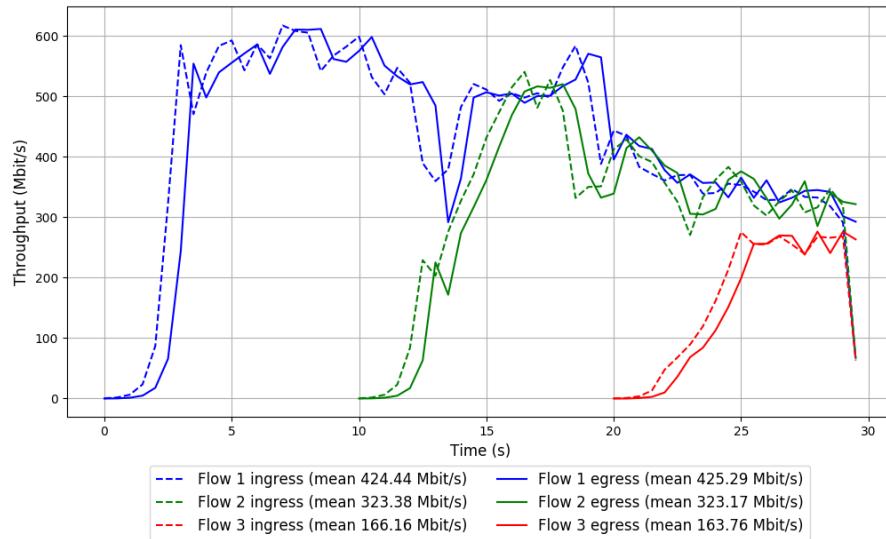


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 06:25:21
End at: 2019-11-24 06:25:51
Local clock offset: -0.281 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2019-11-24 08:55:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 689.72 Mbit/s
95th percentile per-packet one-way delay: 132.587 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 425.29 Mbit/s
95th percentile per-packet one-way delay: 135.584 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 323.17 Mbit/s
95th percentile per-packet one-way delay: 122.835 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 163.76 Mbit/s
95th percentile per-packet one-way delay: 113.561 ms
Loss rate: 3.83%
```

Run 5: Report of Muses_DecisionTree — Data Link

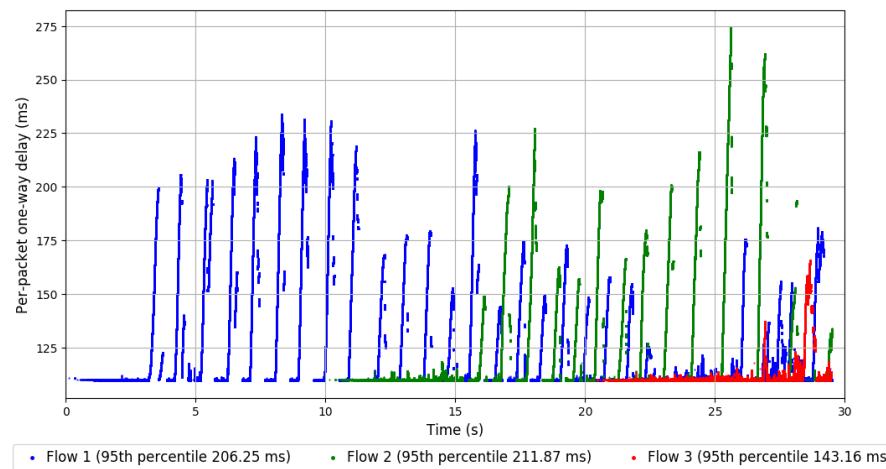
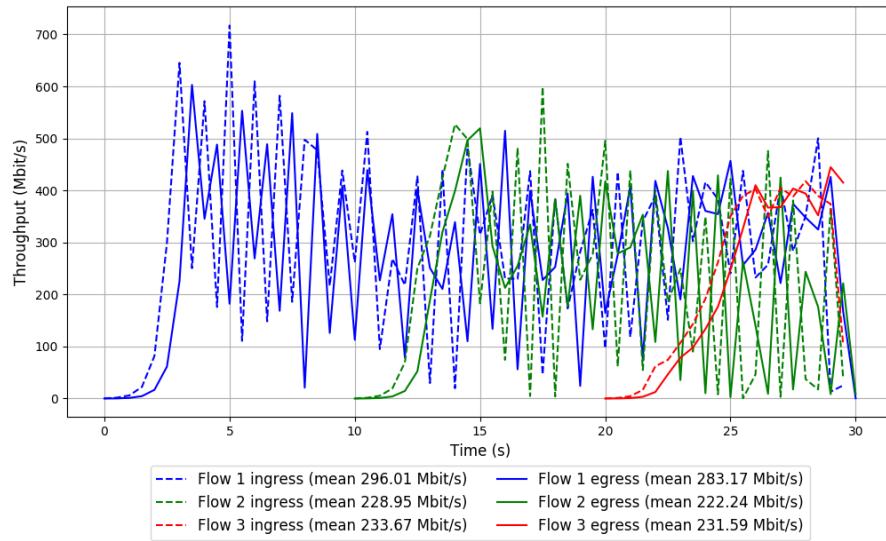


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 03:39:05
End at: 2019-11-24 03:39:35
Local clock offset: -0.066 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2019-11-24 08:55:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 502.33 Mbit/s
95th percentile per-packet one-way delay: 204.291 ms
Loss rate: 4.42%
-- Flow 1:
Average throughput: 283.17 Mbit/s
95th percentile per-packet one-way delay: 206.250 ms
Loss rate: 5.06%
-- Flow 2:
Average throughput: 222.24 Mbit/s
95th percentile per-packet one-way delay: 211.870 ms
Loss rate: 3.64%
-- Flow 3:
Average throughput: 231.59 Mbit/s
95th percentile per-packet one-way delay: 143.156 ms
Loss rate: 3.47%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

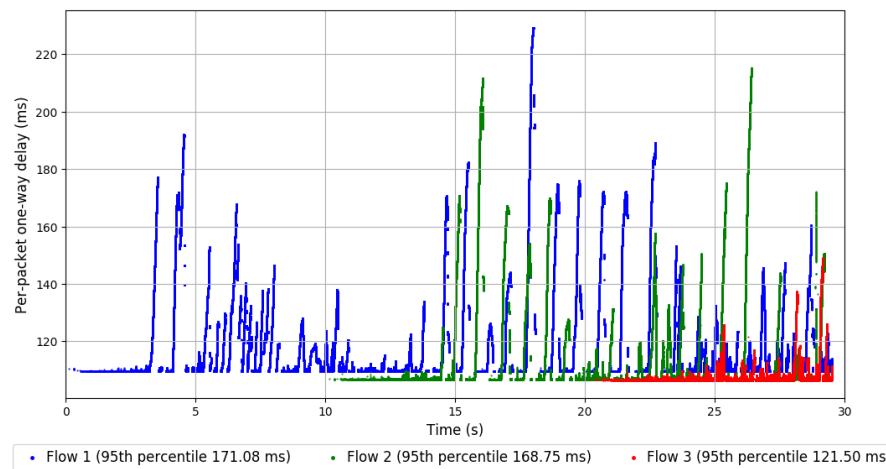
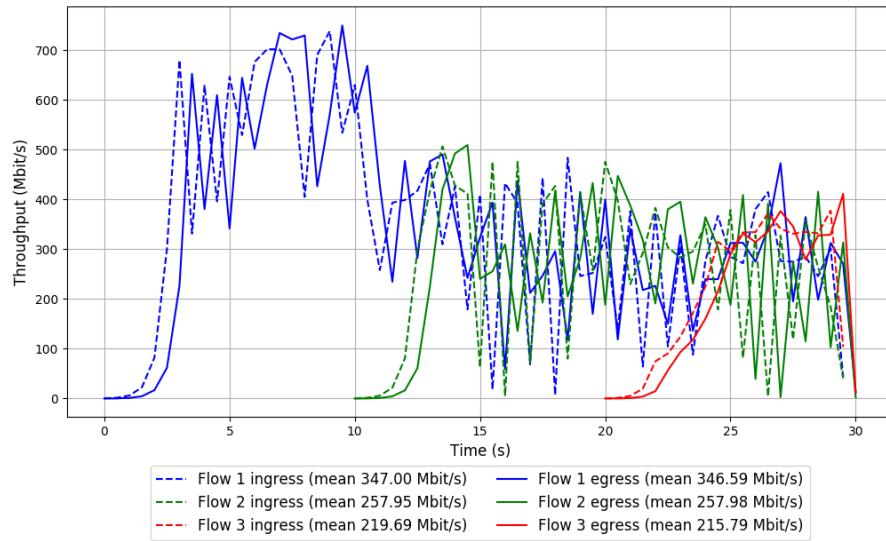


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 04:21:28
End at: 2019-11-24 04:21:58
Local clock offset: -0.226 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2019-11-24 08:55:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 584.88 Mbit/s
95th percentile per-packet one-way delay: 169.535 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 346.59 Mbit/s
95th percentile per-packet one-way delay: 171.077 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 257.98 Mbit/s
95th percentile per-packet one-way delay: 168.753 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 215.79 Mbit/s
95th percentile per-packet one-way delay: 121.500 ms
Loss rate: 4.02%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

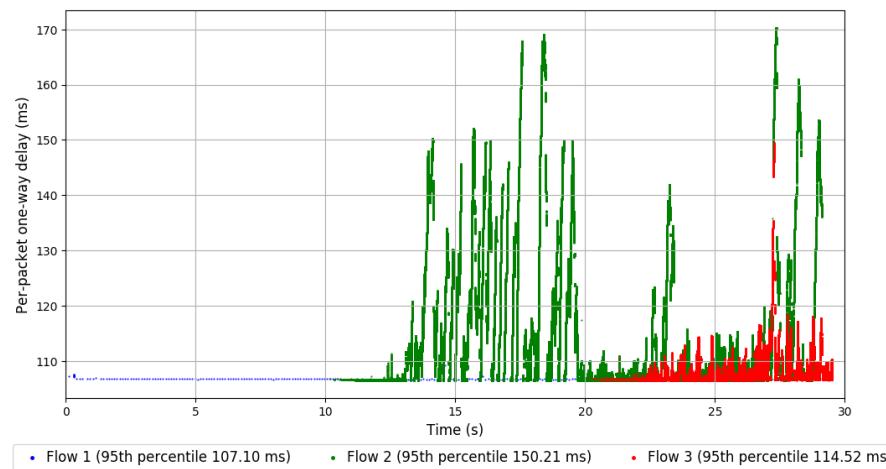
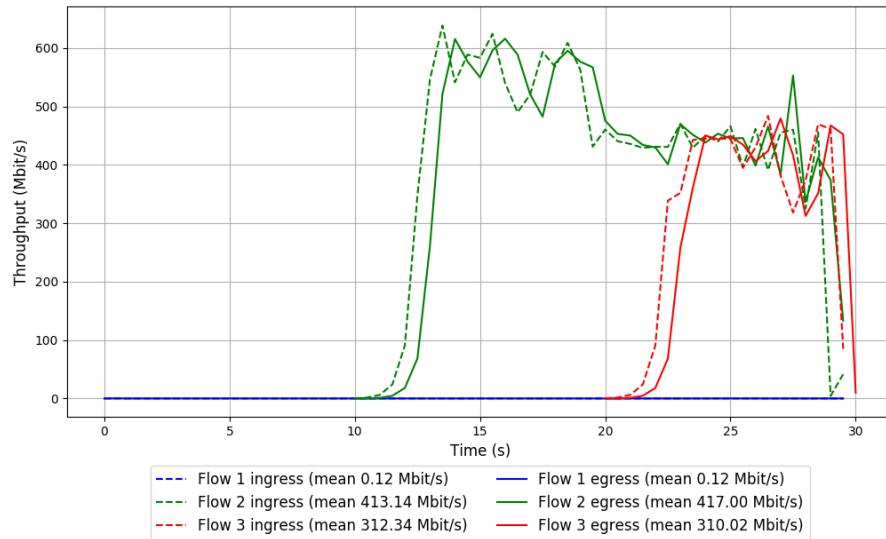


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 05:04:30
End at: 2019-11-24 05:05:00
Local clock offset: -0.199 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2019-11-24 08:55:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 373.49 Mbit/s
95th percentile per-packet one-way delay: 147.430 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 107.099 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 417.00 Mbit/s
95th percentile per-packet one-way delay: 150.207 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 310.02 Mbit/s
95th percentile per-packet one-way delay: 114.522 ms
Loss rate: 3.00%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

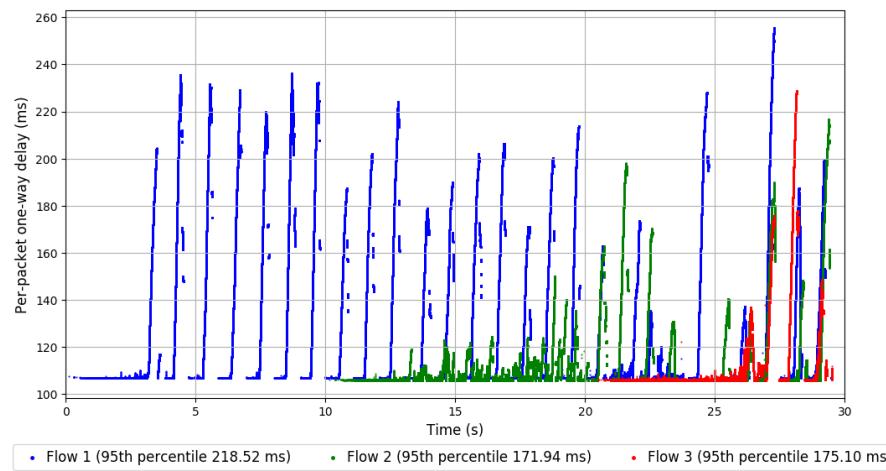
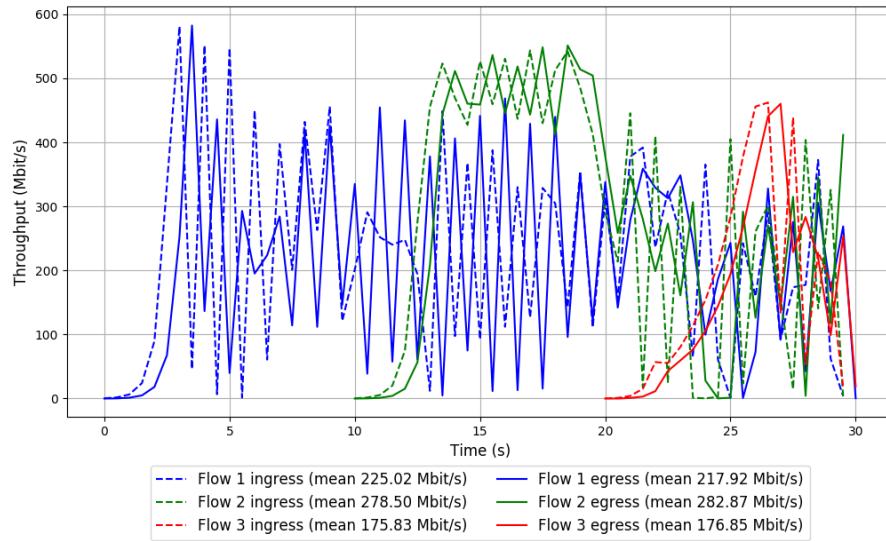


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 05:46:51
End at: 2019-11-24 05:47:21
Local clock offset: -0.028 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2019-11-24 08:56:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 458.62 Mbit/s
95th percentile per-packet one-way delay: 207.602 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 217.92 Mbit/s
95th percentile per-packet one-way delay: 218.521 ms
Loss rate: 3.87%
-- Flow 2:
Average throughput: 282.87 Mbit/s
95th percentile per-packet one-way delay: 171.939 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 176.85 Mbit/s
95th percentile per-packet one-way delay: 175.104 ms
Loss rate: 1.76%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

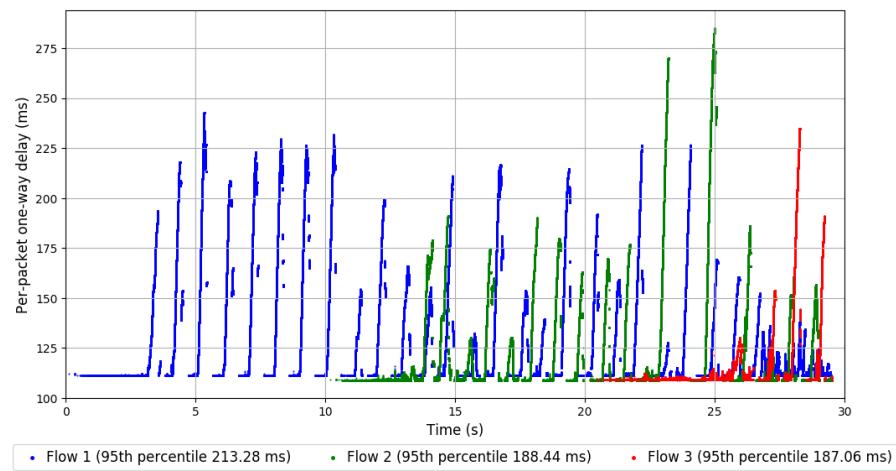
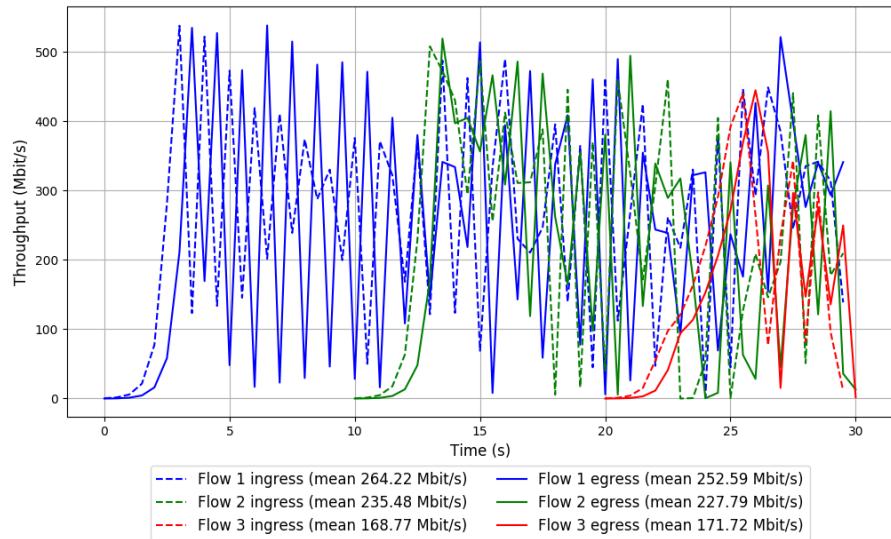


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 06:28:34
End at: 2019-11-24 06:29:04
Local clock offset: -0.081 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2019-11-24 08:56:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 456.22 Mbit/s
95th percentile per-packet one-way delay: 210.779 ms
Loss rate: 4.42%
-- Flow 1:
Average throughput: 252.59 Mbit/s
95th percentile per-packet one-way delay: 213.282 ms
Loss rate: 5.25%
-- Flow 2:
Average throughput: 227.79 Mbit/s
95th percentile per-packet one-way delay: 188.441 ms
Loss rate: 4.35%
-- Flow 3:
Average throughput: 171.72 Mbit/s
95th percentile per-packet one-way delay: 187.063 ms
Loss rate: 0.60%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

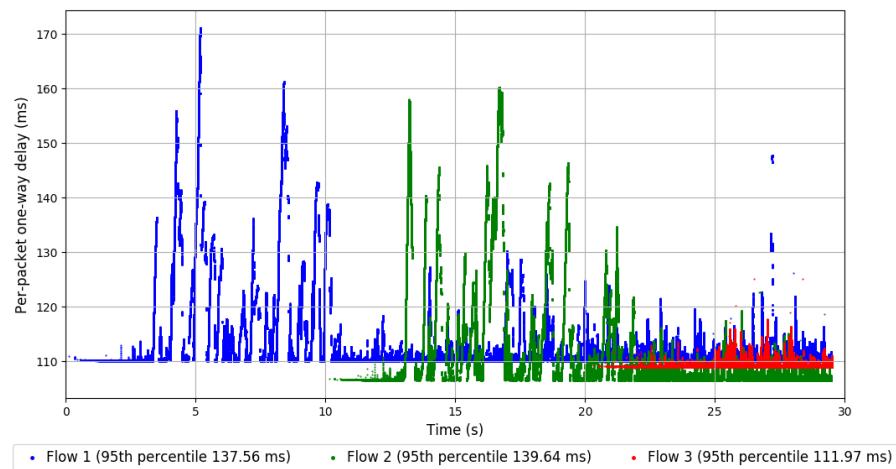
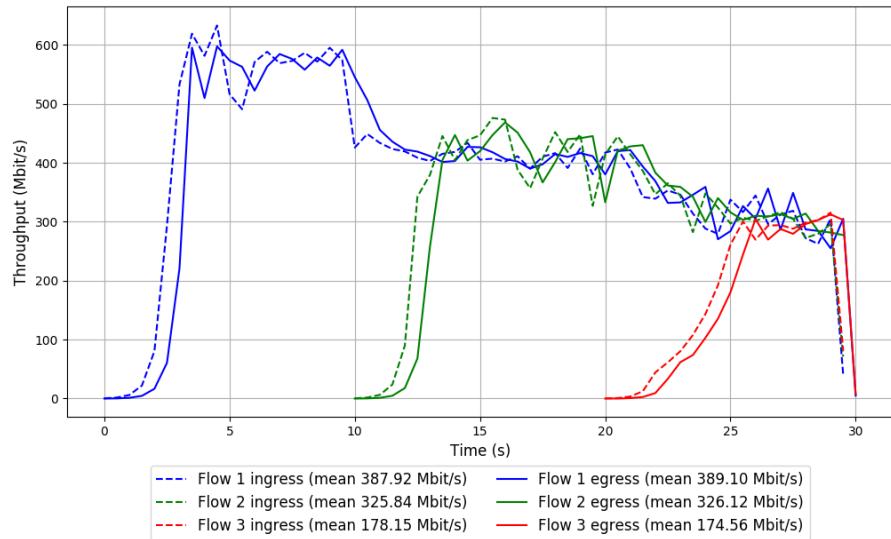


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 03:42:47
End at: 2019-11-24 03:43:17
Local clock offset: -0.036 ms
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2019-11-24 09:01:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 658.22 Mbit/s
95th percentile per-packet one-way delay: 137.387 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 389.10 Mbit/s
95th percentile per-packet one-way delay: 137.555 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 326.12 Mbit/s
95th percentile per-packet one-way delay: 139.636 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 174.56 Mbit/s
95th percentile per-packet one-way delay: 111.972 ms
Loss rate: 4.28%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

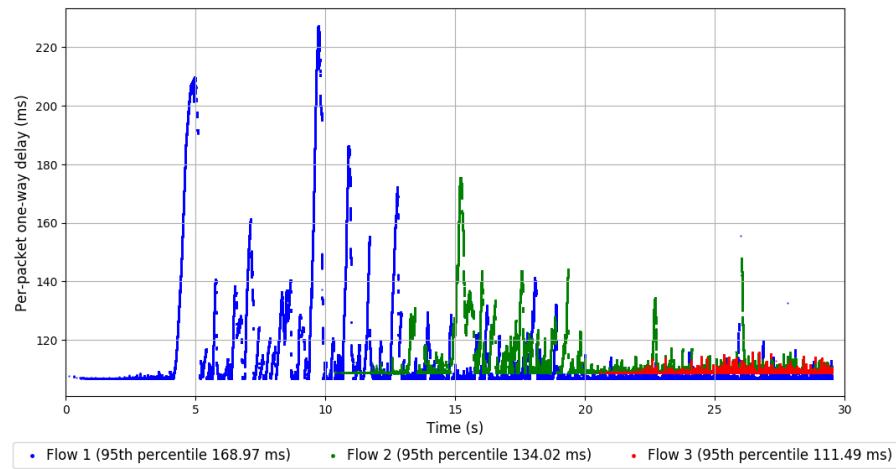
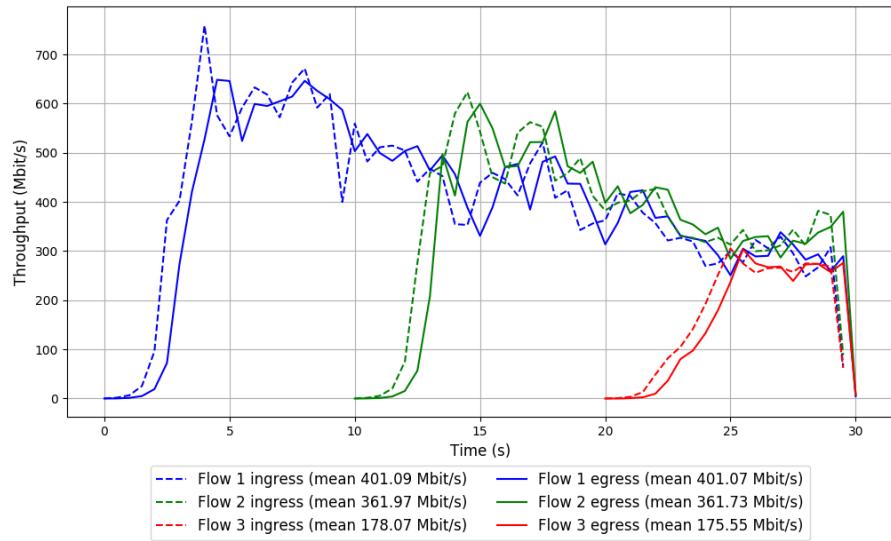


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 04:25:18
End at: 2019-11-24 04:25:48
Local clock offset: -0.094 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2019-11-24 09:05:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 694.03 Mbit/s
95th percentile per-packet one-way delay: 145.618 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 401.07 Mbit/s
95th percentile per-packet one-way delay: 168.968 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 361.73 Mbit/s
95th percentile per-packet one-way delay: 134.019 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 175.55 Mbit/s
95th percentile per-packet one-way delay: 111.494 ms
Loss rate: 3.72%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

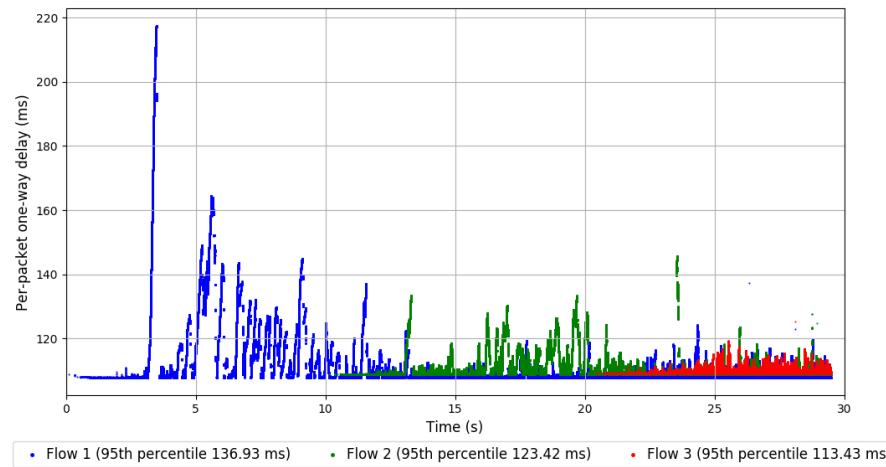
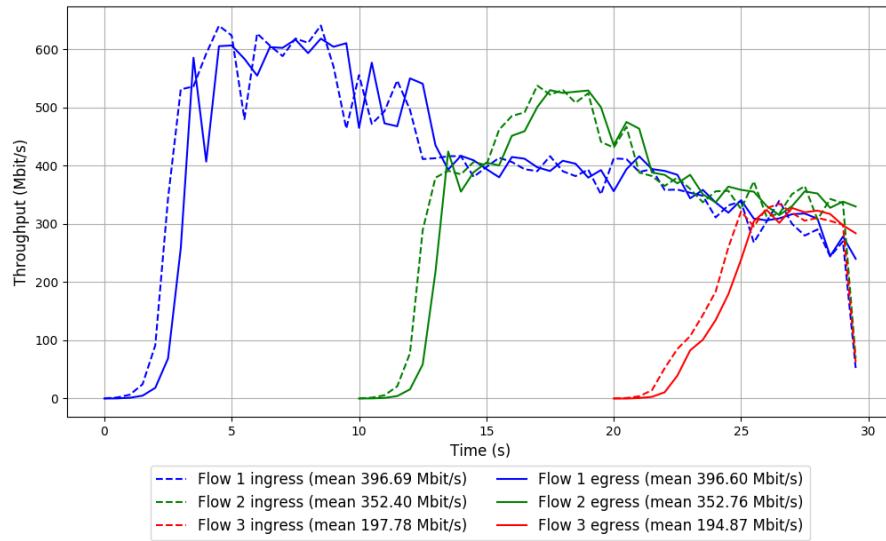


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 05:08:00
End at: 2019-11-24 05:08:30
Local clock offset: -0.19 ms
Remote clock offset: 0.353 ms

# Below is generated by plot.py at 2019-11-24 09:06:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 689.73 Mbit/s
95th percentile per-packet one-way delay: 129.219 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 396.60 Mbit/s
95th percentile per-packet one-way delay: 136.931 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 352.76 Mbit/s
95th percentile per-packet one-way delay: 123.420 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 194.87 Mbit/s
95th percentile per-packet one-way delay: 113.428 ms
Loss rate: 3.77%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

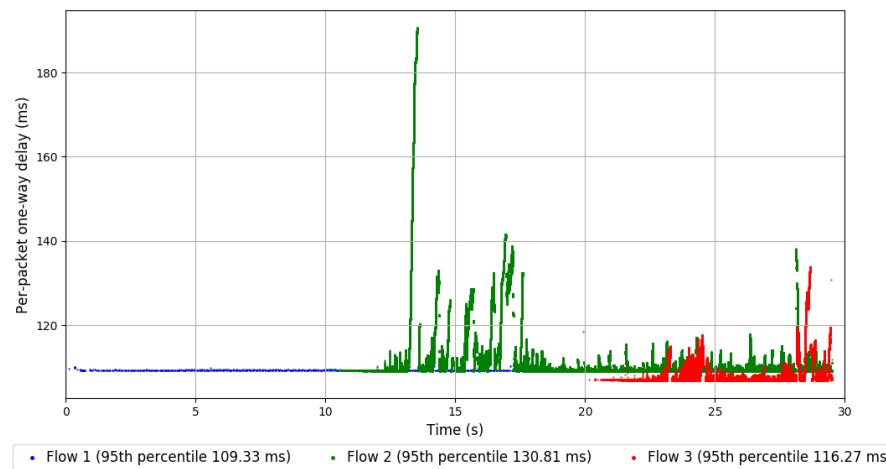
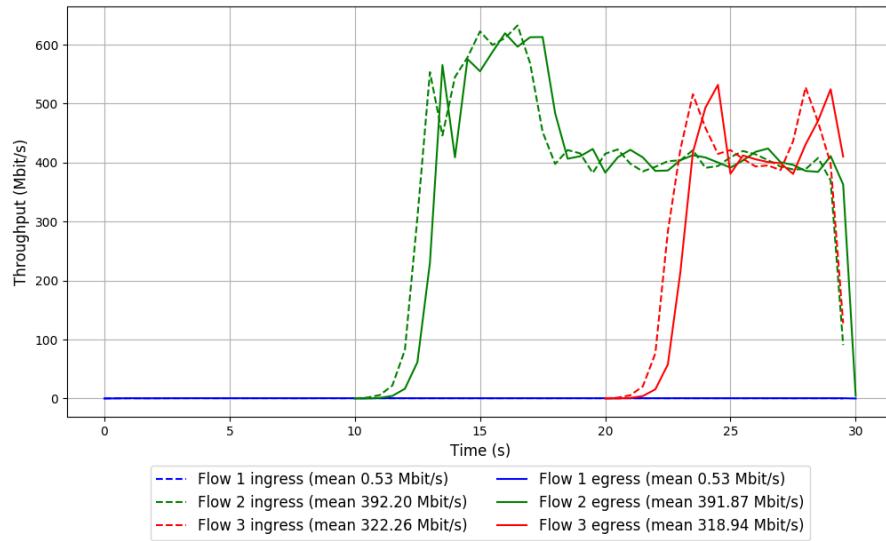


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 05:50:14
End at: 2019-11-24 05:50:44
Local clock offset: 0.02 ms
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2019-11-24 09:06:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 359.90 Mbit/s
95th percentile per-packet one-way delay: 128.235 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 109.329 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 391.87 Mbit/s
95th percentile per-packet one-way delay: 130.810 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 318.94 Mbit/s
95th percentile per-packet one-way delay: 116.266 ms
Loss rate: 3.39%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

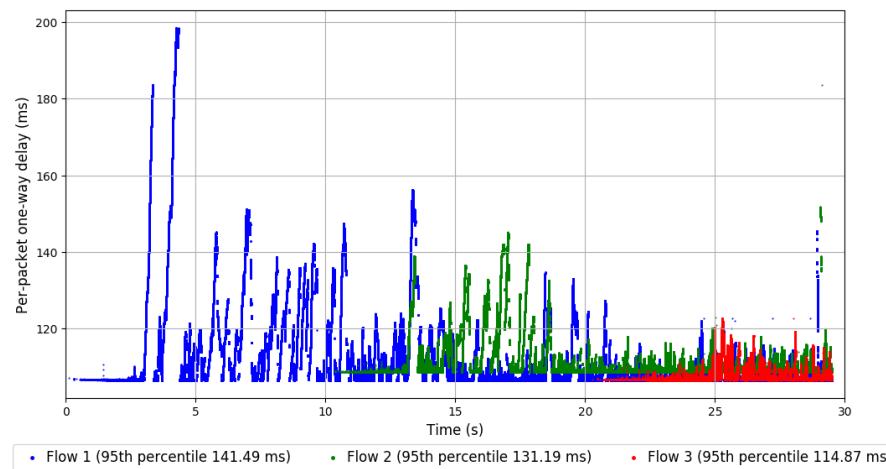
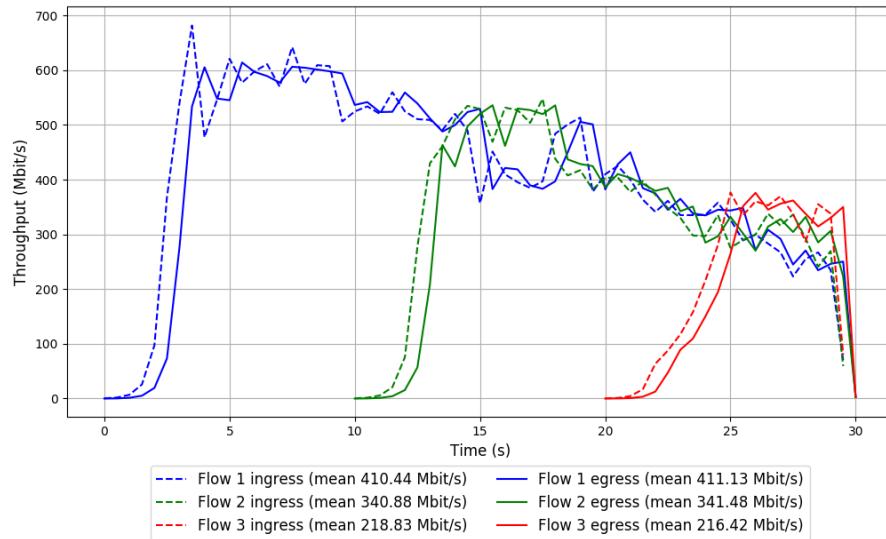


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 06:32:11
End at: 2019-11-24 06:32:41
Local clock offset: -0.213 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2019-11-24 09:09:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 703.98 Mbit/s
95th percentile per-packet one-way delay: 135.787 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 411.13 Mbit/s
95th percentile per-packet one-way delay: 141.485 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 341.48 Mbit/s
95th percentile per-packet one-way delay: 131.189 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 216.42 Mbit/s
95th percentile per-packet one-way delay: 114.867 ms
Loss rate: 3.38%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

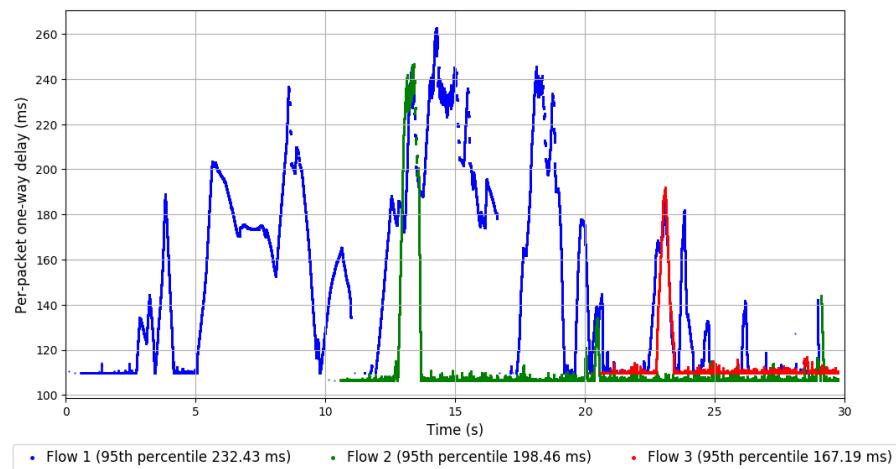
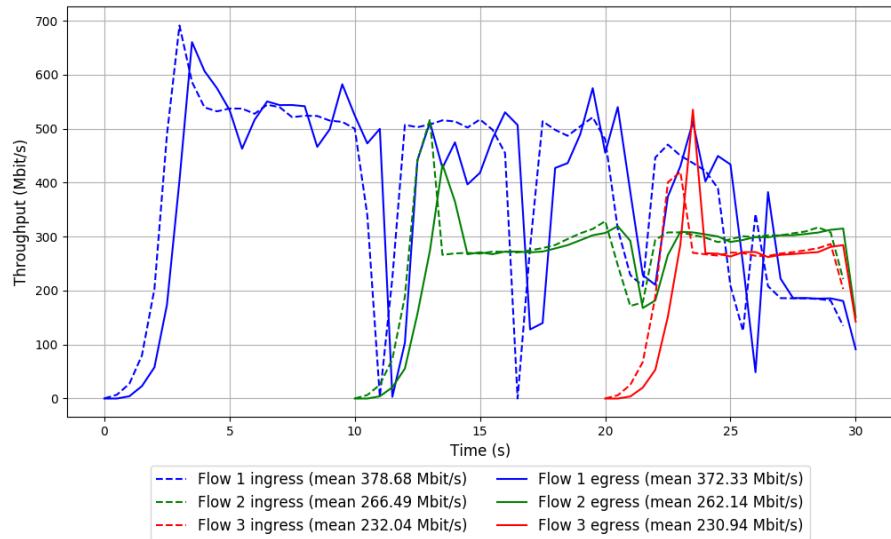


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-11-24 03:30:12
End at: 2019-11-24 03:30:42
Local clock offset: -0.121 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2019-11-24 09:21:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 620.84 Mbit/s
95th percentile per-packet one-way delay: 228.724 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 372.33 Mbit/s
95th percentile per-packet one-way delay: 232.425 ms
Loss rate: 2.41%
-- Flow 2:
Average throughput: 262.14 Mbit/s
95th percentile per-packet one-way delay: 198.455 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 230.94 Mbit/s
95th percentile per-packet one-way delay: 167.190 ms
Loss rate: 2.71%
```

Run 1: Report of PCC-Allegro — Data Link

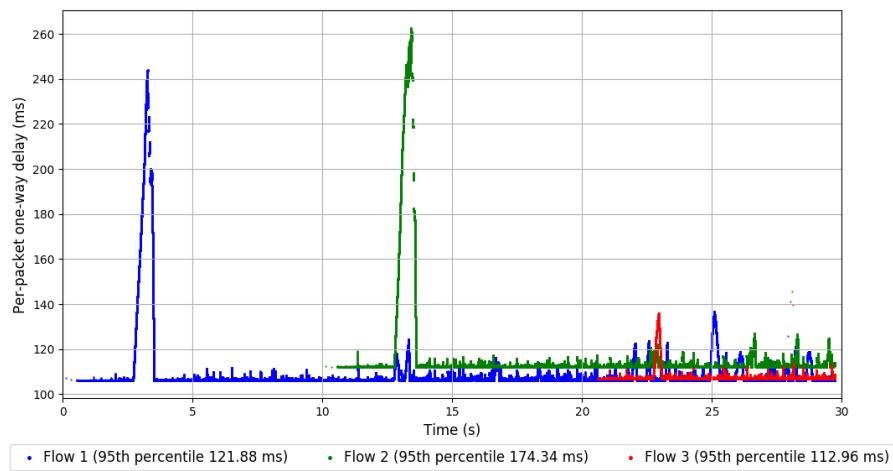
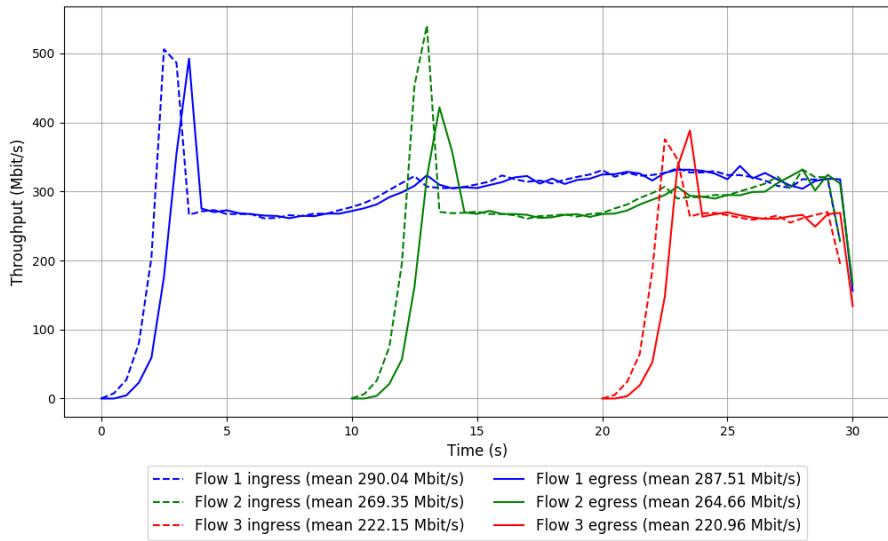


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-11-24 04:12:56
End at: 2019-11-24 04:13:26
Local clock offset: -0.05 ms
Remote clock offset: -0.105 ms

# Below is generated by plot.py at 2019-11-24 09:21:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 534.35 Mbit/s
95th percentile per-packet one-way delay: 125.753 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 287.51 Mbit/s
95th percentile per-packet one-way delay: 121.876 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 264.66 Mbit/s
95th percentile per-packet one-way delay: 174.335 ms
Loss rate: 2.84%
-- Flow 3:
Average throughput: 220.96 Mbit/s
95th percentile per-packet one-way delay: 112.956 ms
Loss rate: 2.74%
```

Run 2: Report of PCC-Allegro — Data Link

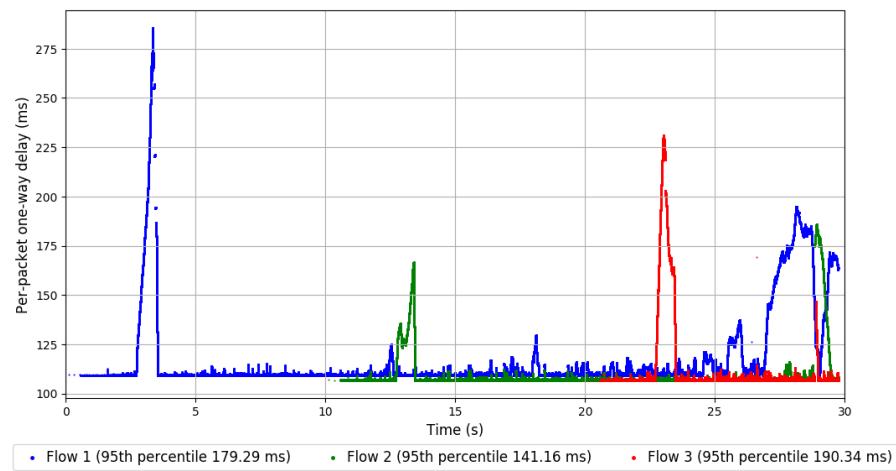
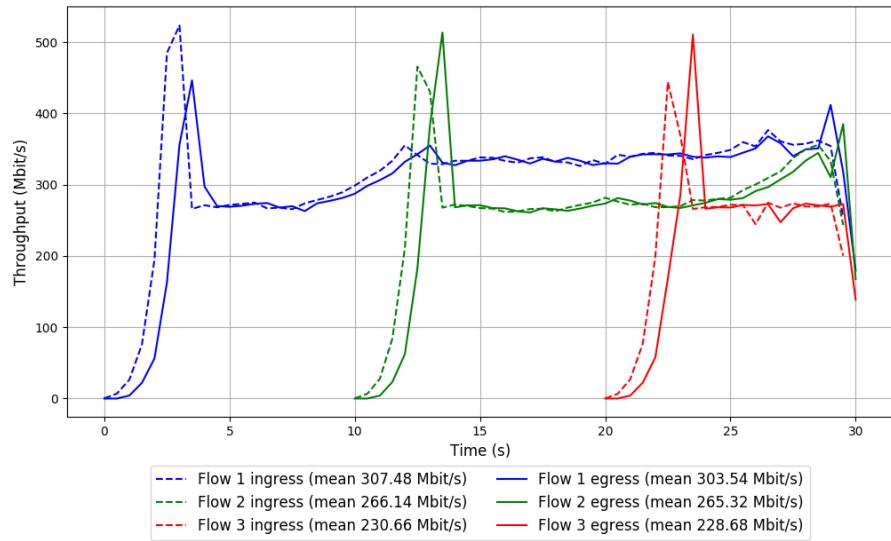


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-11-24 04:55:38
End at: 2019-11-24 04:56:08
Local clock offset: -0.101 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2019-11-24 09:21:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 553.54 Mbit/s
95th percentile per-packet one-way delay: 171.618 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 303.54 Mbit/s
95th percentile per-packet one-way delay: 179.288 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 265.32 Mbit/s
95th percentile per-packet one-way delay: 141.160 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 228.68 Mbit/s
95th percentile per-packet one-way delay: 190.336 ms
Loss rate: 3.01%
```

Run 3: Report of PCC-Allegro — Data Link

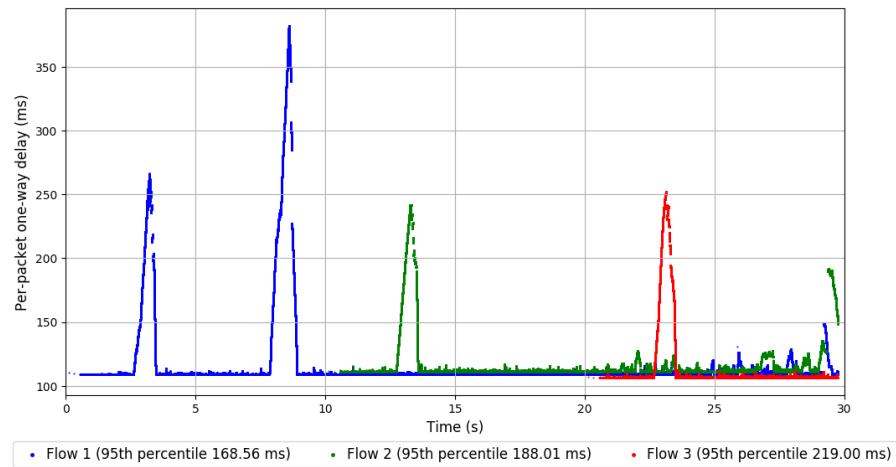
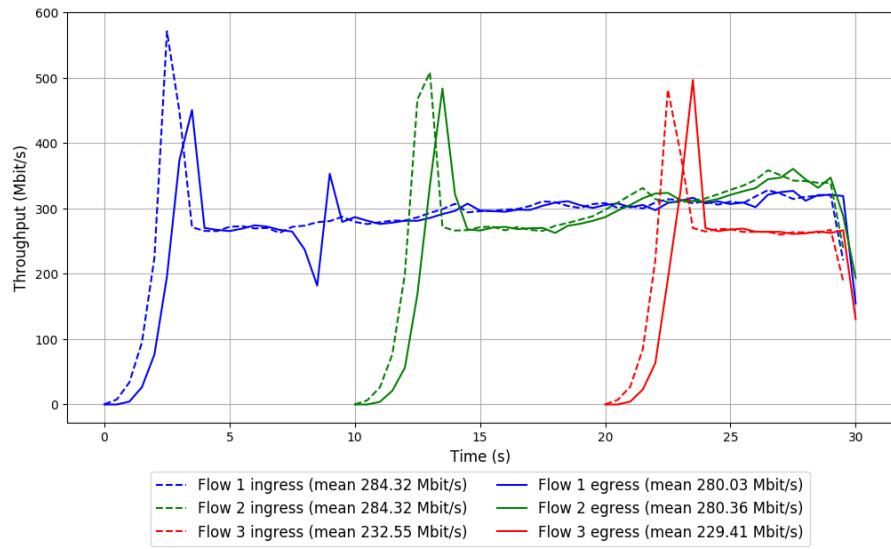


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-11-24 05:38:13
End at: 2019-11-24 05:38:43
Local clock offset: -0.137 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2019-11-24 09:23:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 540.19 Mbit/s
95th percentile per-packet one-way delay: 188.812 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 280.03 Mbit/s
95th percentile per-packet one-way delay: 168.555 ms
Loss rate: 2.24%
-- Flow 2:
Average throughput: 280.36 Mbit/s
95th percentile per-packet one-way delay: 188.012 ms
Loss rate: 2.48%
-- Flow 3:
Average throughput: 229.41 Mbit/s
95th percentile per-packet one-way delay: 218.999 ms
Loss rate: 3.54%
```

Run 4: Report of PCC-Allegro — Data Link

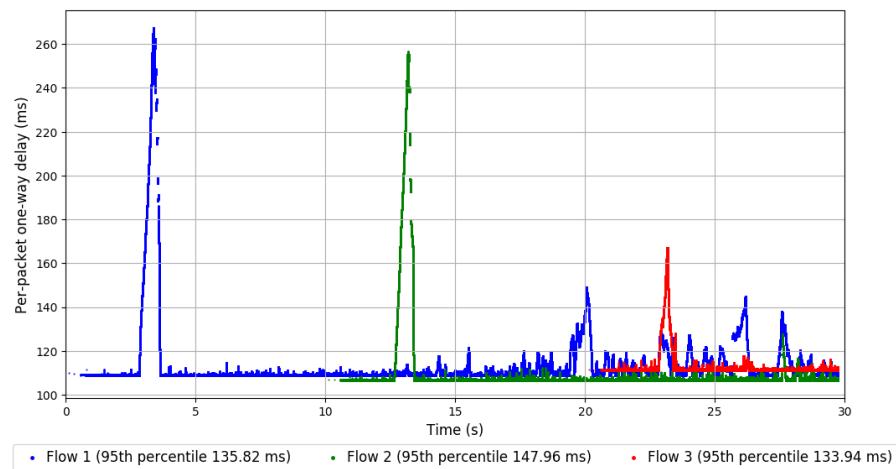
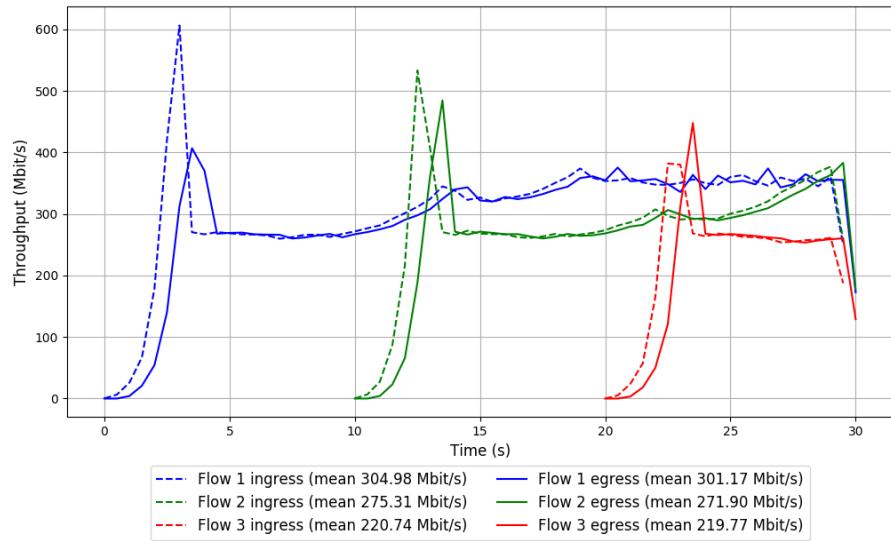


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-11-24 06:19:58
End at: 2019-11-24 06:20:28
Local clock offset: -0.069 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2019-11-24 09:24:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 552.47 Mbit/s
95th percentile per-packet one-way delay: 136.227 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 301.17 Mbit/s
95th percentile per-packet one-way delay: 135.825 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 271.90 Mbit/s
95th percentile per-packet one-way delay: 147.956 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 219.77 Mbit/s
95th percentile per-packet one-way delay: 133.945 ms
Loss rate: 2.69%
```

Run 5: Report of PCC-Allegro — Data Link

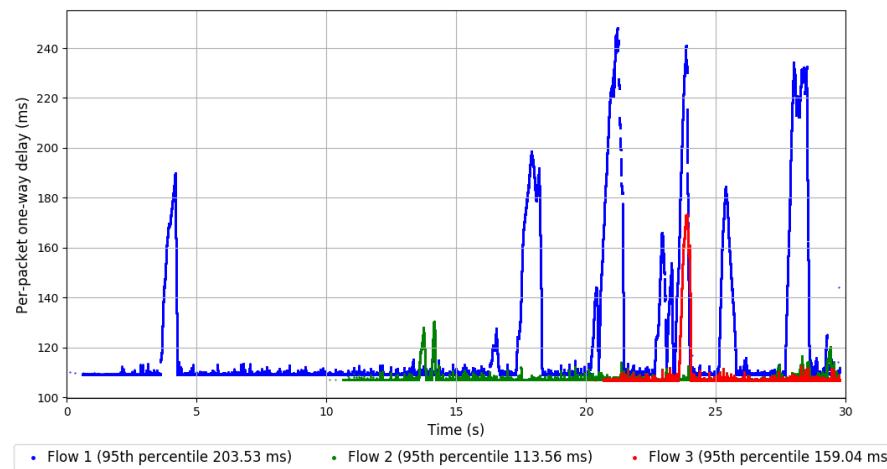
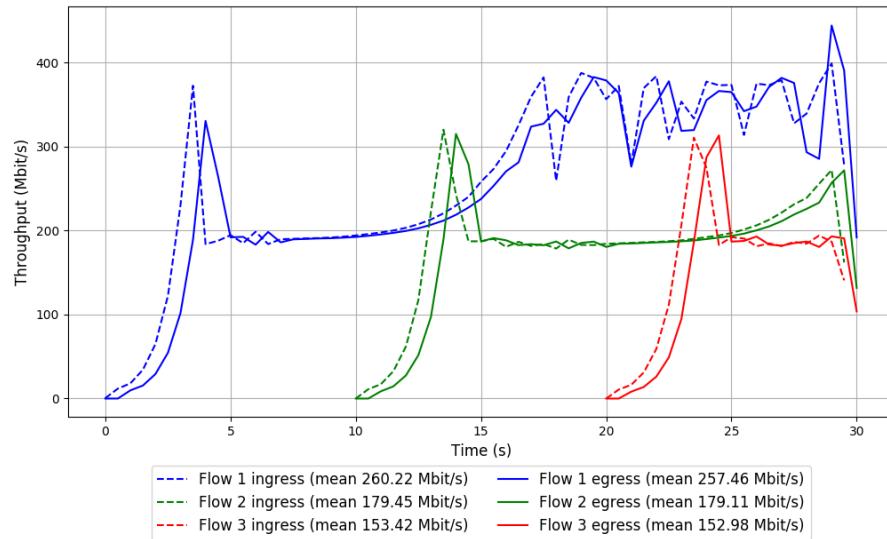


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-11-24 03:46:00
End at: 2019-11-24 03:46:30
Local clock offset: 0.125 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2019-11-24 09:24:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 425.79 Mbit/s
95th percentile per-packet one-way delay: 183.636 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 257.46 Mbit/s
95th percentile per-packet one-way delay: 203.526 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 179.11 Mbit/s
95th percentile per-packet one-way delay: 113.564 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 152.98 Mbit/s
95th percentile per-packet one-way delay: 159.039 ms
Loss rate: 2.49%
```

Run 1: Report of PCC-Expr — Data Link

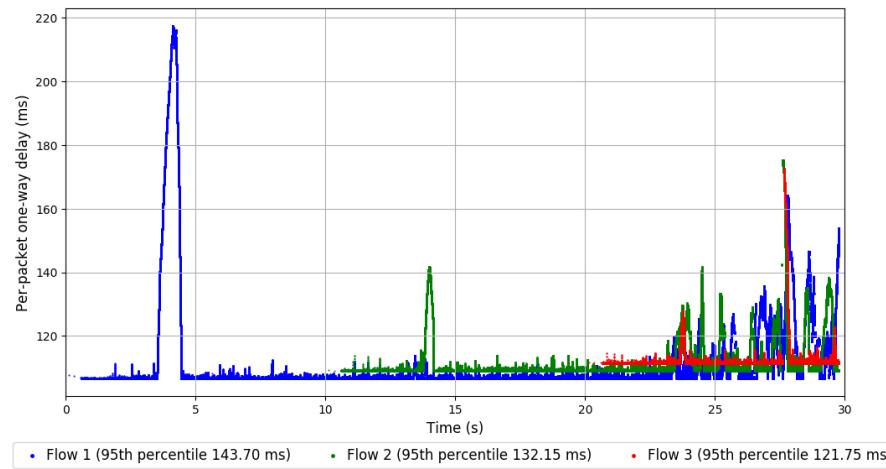
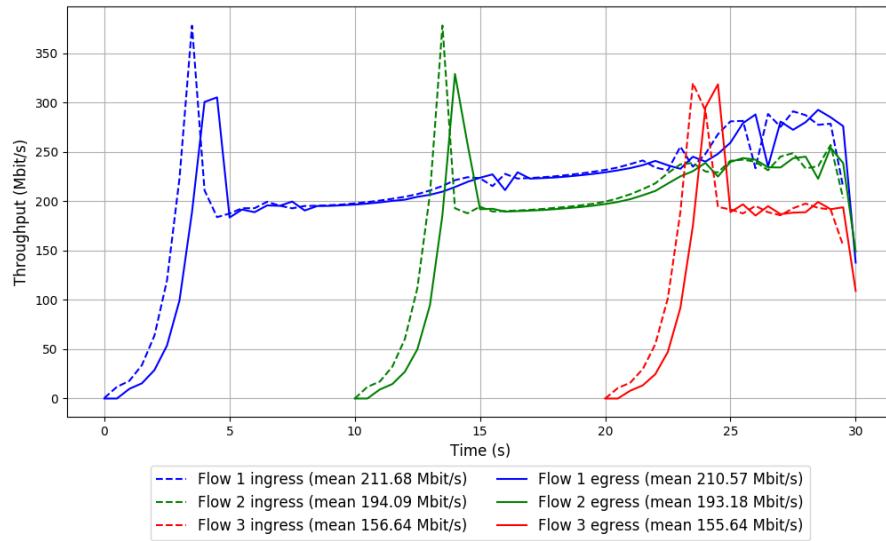


Run 2: Statistics of PCC-Expr

```
Start at: 2019-11-24 04:28:32
End at: 2019-11-24 04:29:02
Local clock offset: -0.062 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2019-11-24 09:24:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 389.13 Mbit/s
95th percentile per-packet one-way delay: 134.404 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 210.57 Mbit/s
95th percentile per-packet one-way delay: 143.703 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 193.18 Mbit/s
95th percentile per-packet one-way delay: 132.149 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 155.64 Mbit/s
95th percentile per-packet one-way delay: 121.752 ms
Loss rate: 2.89%
```

Run 2: Report of PCC-Expr — Data Link

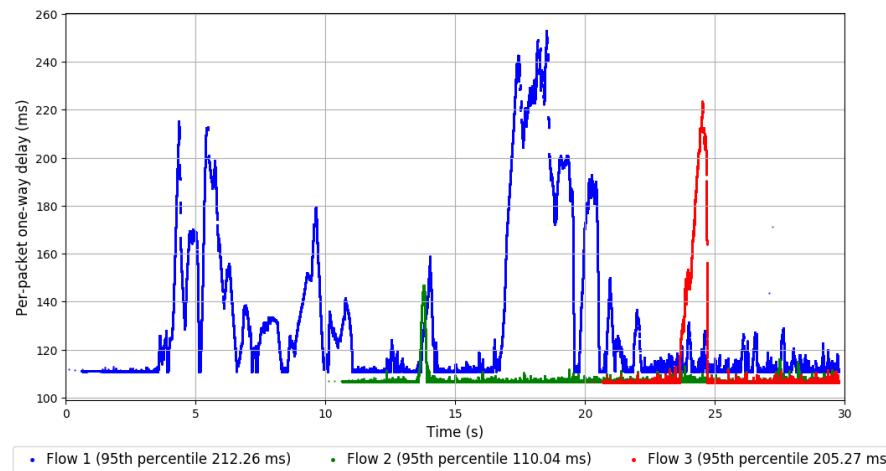
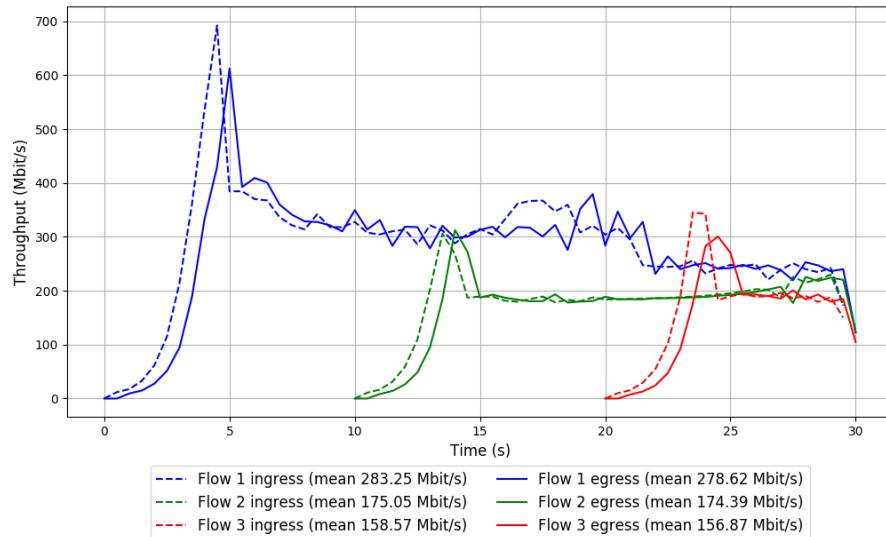


Run 3: Statistics of PCC-Expr

```
Start at: 2019-11-24 05:11:15
End at: 2019-11-24 05:11:45
Local clock offset: 0.075 ms
Remote clock offset: 0.339 ms

# Below is generated by plot.py at 2019-11-24 09:28:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 445.15 Mbit/s
95th percentile per-packet one-way delay: 199.649 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 278.62 Mbit/s
95th percentile per-packet one-way delay: 212.262 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 174.39 Mbit/s
95th percentile per-packet one-way delay: 110.044 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 156.87 Mbit/s
95th percentile per-packet one-way delay: 205.268 ms
Loss rate: 3.27%
```

Run 3: Report of PCC-Expr — Data Link

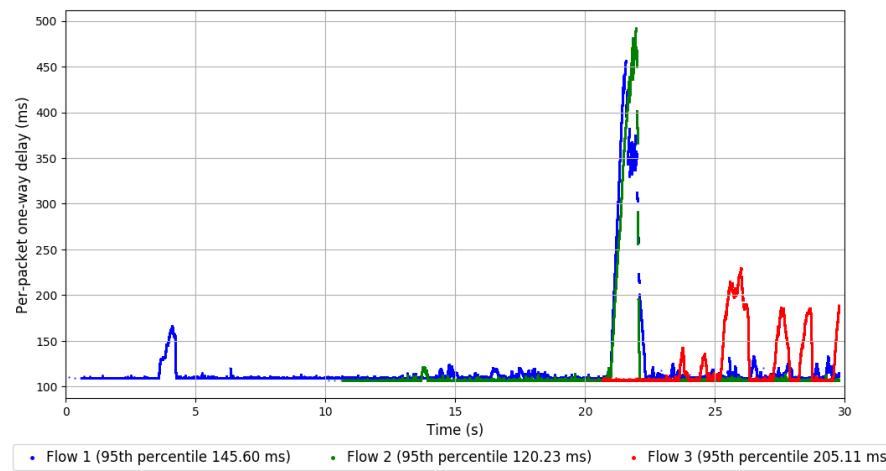
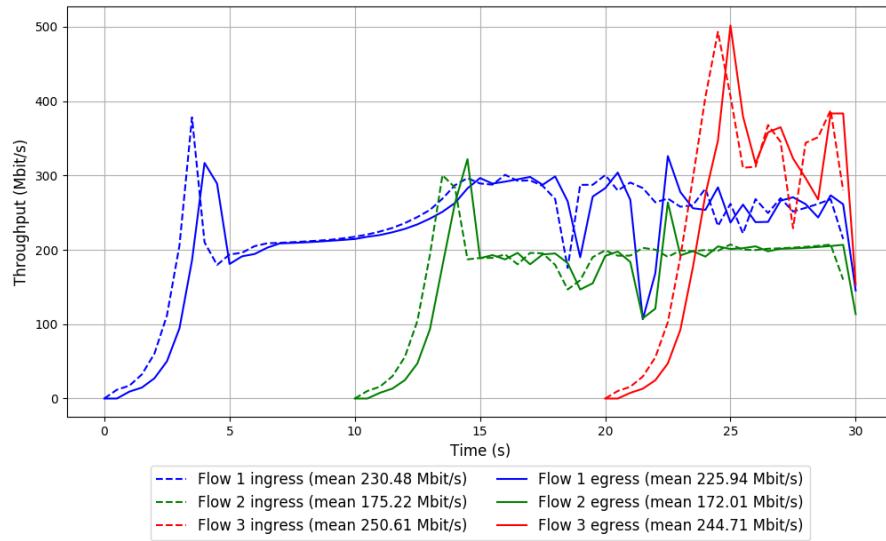


Run 4: Statistics of PCC-Expr

```
Start at: 2019-11-24 05:53:11
End at: 2019-11-24 05:53:41
Local clock offset: -0.142 ms
Remote clock offset: -0.471 ms

# Below is generated by plot.py at 2019-11-24 09:35:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 419.32 Mbit/s
95th percentile per-packet one-way delay: 182.584 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 225.94 Mbit/s
95th percentile per-packet one-way delay: 145.596 ms
Loss rate: 2.70%
-- Flow 2:
Average throughput: 172.01 Mbit/s
95th percentile per-packet one-way delay: 120.230 ms
Loss rate: 2.91%
-- Flow 3:
Average throughput: 244.71 Mbit/s
95th percentile per-packet one-way delay: 205.111 ms
Loss rate: 4.51%
```

Run 4: Report of PCC-Expr — Data Link

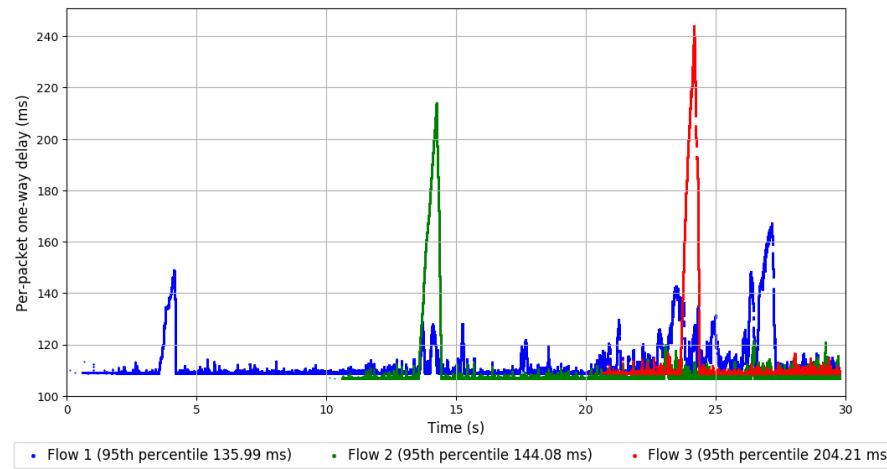
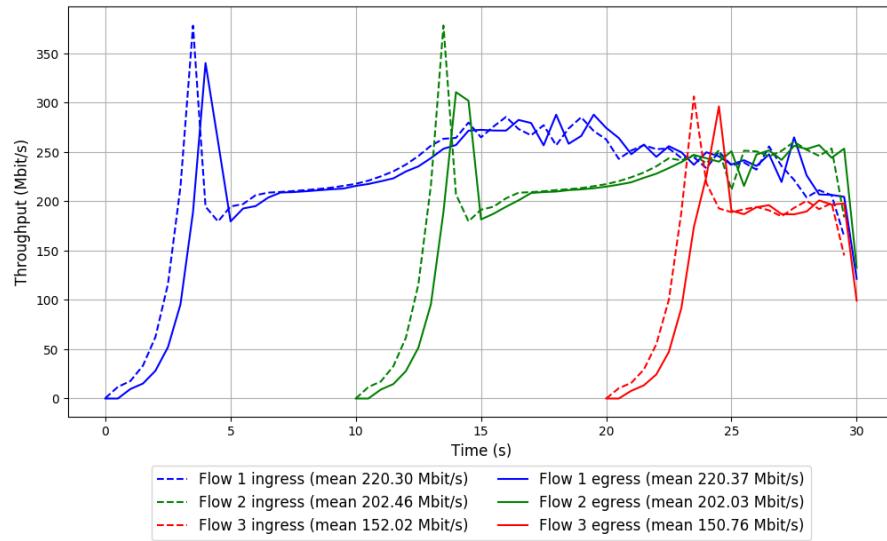


Run 5: Statistics of PCC-Expr

```
Start at: 2019-11-24 06:35:26
End at: 2019-11-24 06:35:56
Local clock offset: -0.043 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2019-11-24 09:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 403.26 Mbit/s
95th percentile per-packet one-way delay: 141.734 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 220.37 Mbit/s
95th percentile per-packet one-way delay: 135.987 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 202.03 Mbit/s
95th percentile per-packet one-way delay: 144.079 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 150.76 Mbit/s
95th percentile per-packet one-way delay: 204.213 ms
Loss rate: 3.04%
```

Run 5: Report of PCC-Expr — Data Link

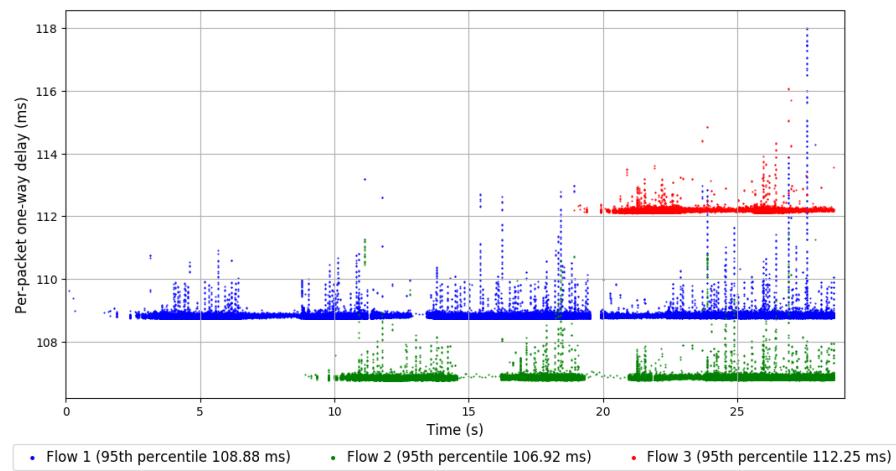
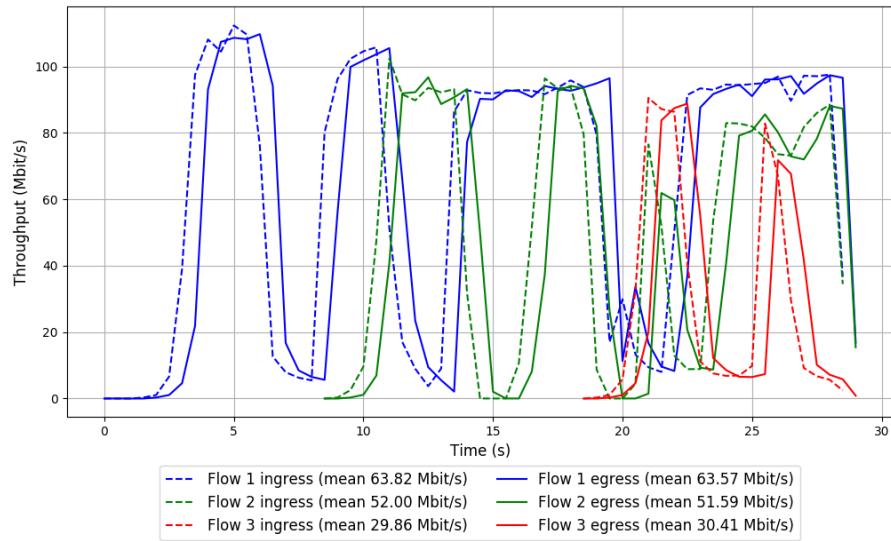


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-11-24 03:51:11
End at: 2019-11-24 03:51:41
Local clock offset: -0.051 ms
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2019-11-24 09:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 109.55 Mbit/s
95th percentile per-packet one-way delay: 112.170 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 108.882 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 51.59 Mbit/s
95th percentile per-packet one-way delay: 106.915 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: 112.249 ms
Loss rate: 0.47%
```

Run 1: Report of QUIC Cubic — Data Link

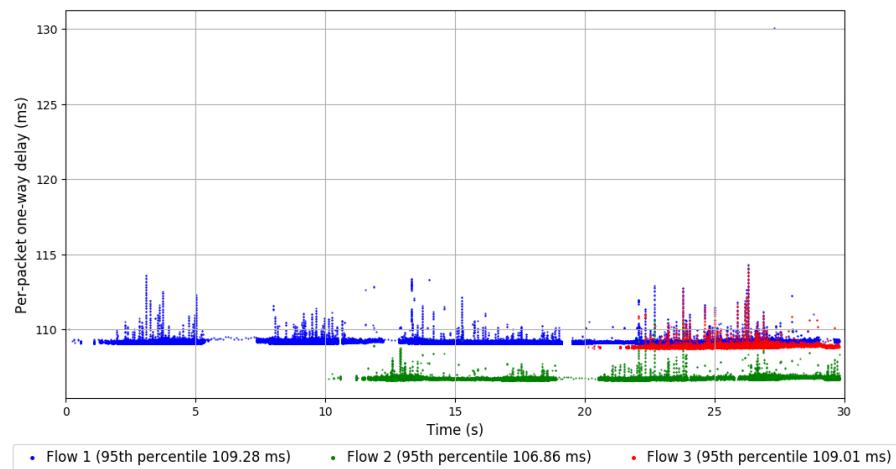
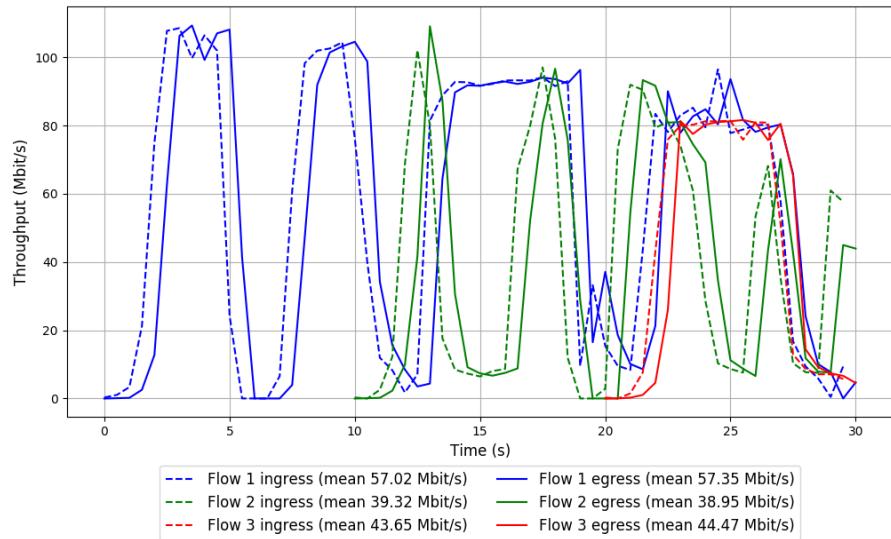


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-11-24 04:33:44
End at: 2019-11-24 04:34:14
Local clock offset: -0.128 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2019-11-24 09:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.65 Mbit/s
95th percentile per-packet one-way delay: 109.249 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: 109.277 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 38.95 Mbit/s
95th percentile per-packet one-way delay: 106.860 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 44.47 Mbit/s
95th percentile per-packet one-way delay: 109.007 ms
Loss rate: 0.36%
```

Run 2: Report of QUIC Cubic — Data Link

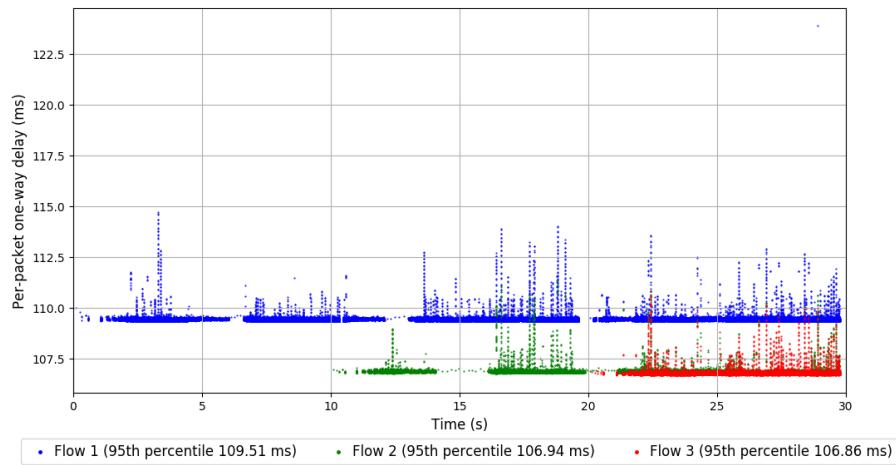
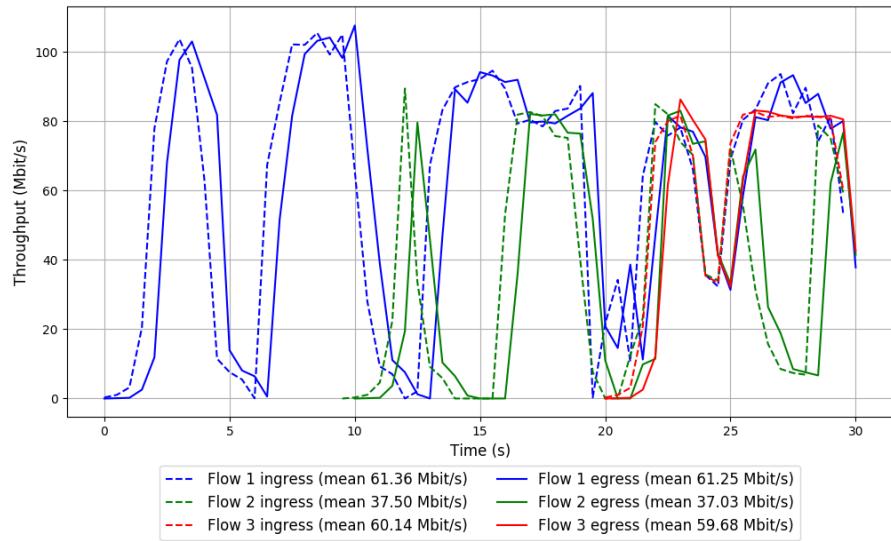


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-11-24 05:16:28
End at: 2019-11-24 05:16:58
Local clock offset: 0.02 ms
Remote clock offset: -0.105 ms

# Below is generated by plot.py at 2019-11-24 09:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 105.22 Mbit/s
95th percentile per-packet one-way delay: 109.485 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 61.25 Mbit/s
95th percentile per-packet one-way delay: 109.506 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 37.03 Mbit/s
95th percentile per-packet one-way delay: 106.935 ms
Loss rate: 2.31%
-- Flow 3:
Average throughput: 59.68 Mbit/s
95th percentile per-packet one-way delay: 106.856 ms
Loss rate: 2.95%
```

Run 3: Report of QUIC Cubic — Data Link

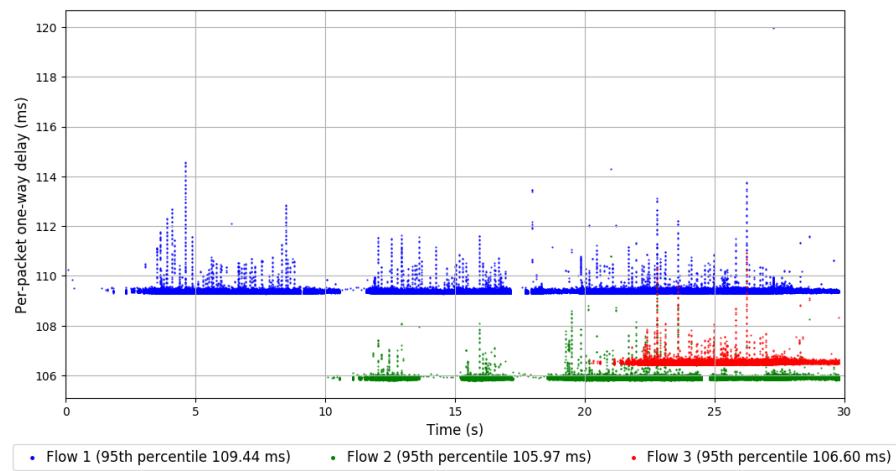
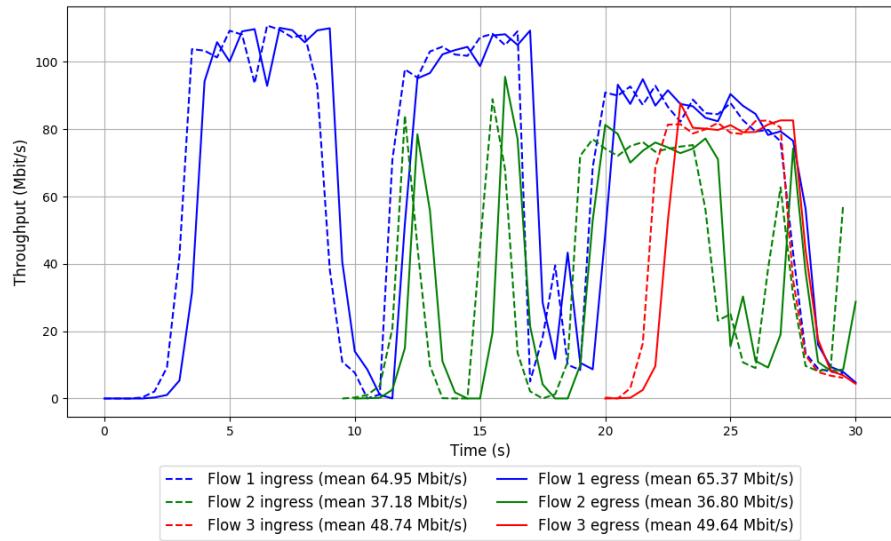


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-11-24 05:58:24
End at: 2019-11-24 05:58:54
Local clock offset: -0.165 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2019-11-24 09:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 105.95 Mbit/s
95th percentile per-packet one-way delay: 109.420 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 65.37 Mbit/s
95th percentile per-packet one-way delay: 109.438 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 105.966 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 49.64 Mbit/s
95th percentile per-packet one-way delay: 106.598 ms
Loss rate: 0.33%
```

Run 4: Report of QUIC Cubic — Data Link

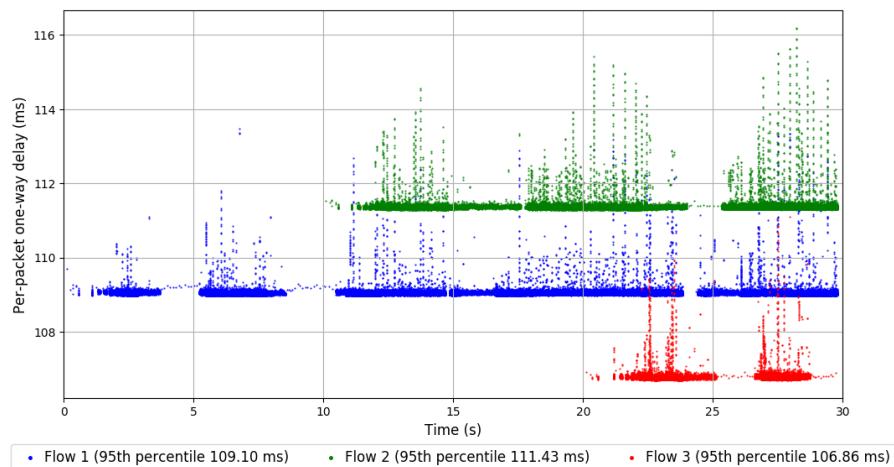
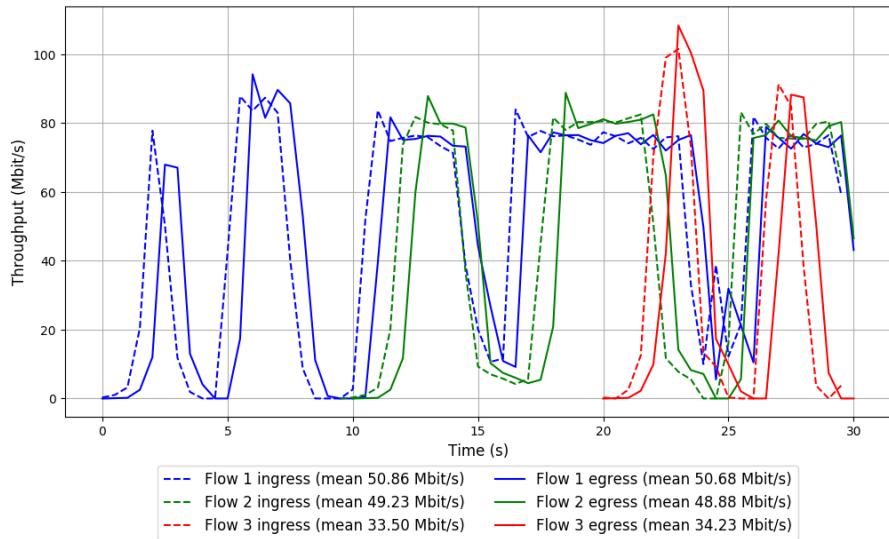


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-11-24 06:40:36
End at: 2019-11-24 06:41:06
Local clock offset: -0.102 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2019-11-24 09:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 111.380 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 50.68 Mbit/s
95th percentile per-packet one-way delay: 109.103 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 111.428 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 34.23 Mbit/s
95th percentile per-packet one-way delay: 106.861 ms
Loss rate: 0.57%
```

Run 5: Report of QUIC Cubic — Data Link

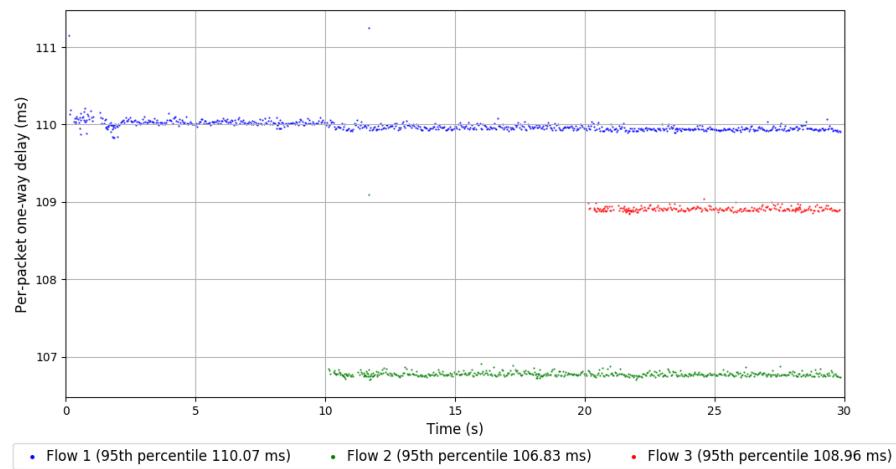
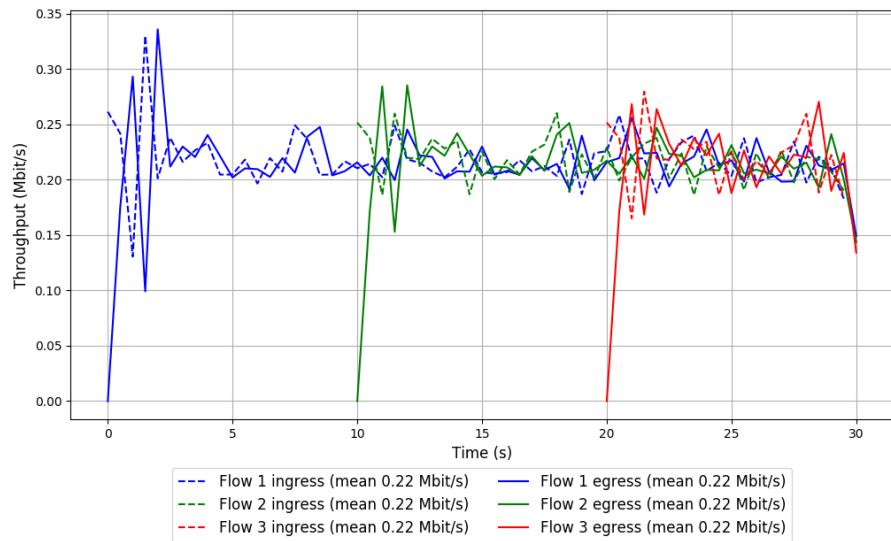


Run 1: Statistics of SCReAM

```
Start at: 2019-11-24 03:37:48
End at: 2019-11-24 03:38:18
Local clock offset: -0.055 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2019-11-24 09:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 110.049 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.071 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.832 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.961 ms
Loss rate: 2.22%
```

Run 1: Report of SCReAM — Data Link

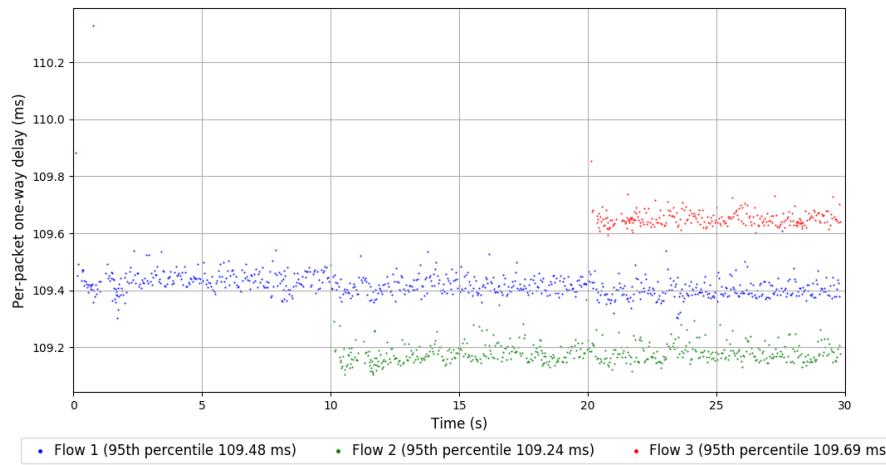
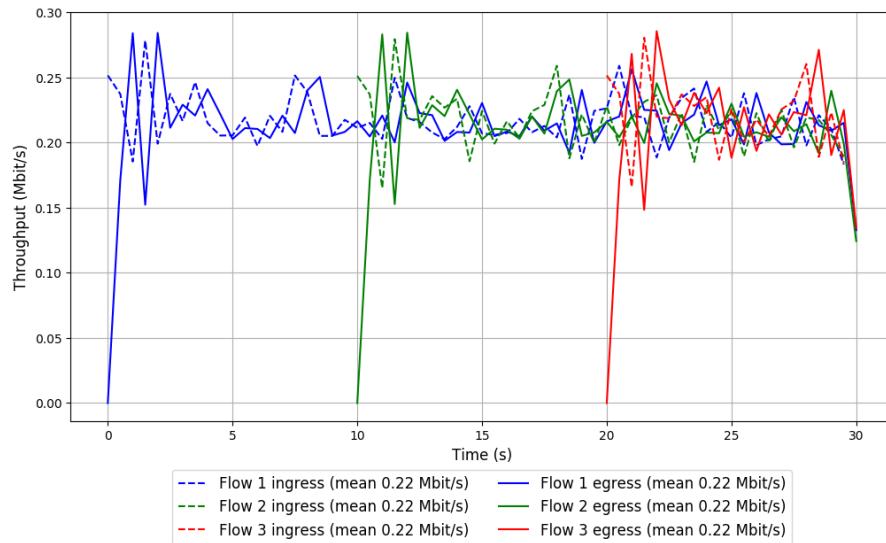


Run 2: Statistics of SCReAM

```
Start at: 2019-11-24 04:20:12
End at: 2019-11-24 04:20:42
Local clock offset: -0.093 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2019-11-24 09:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 109.661 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.478 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.243 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.693 ms
Loss rate: 2.22%
```

Run 2: Report of SCReAM — Data Link

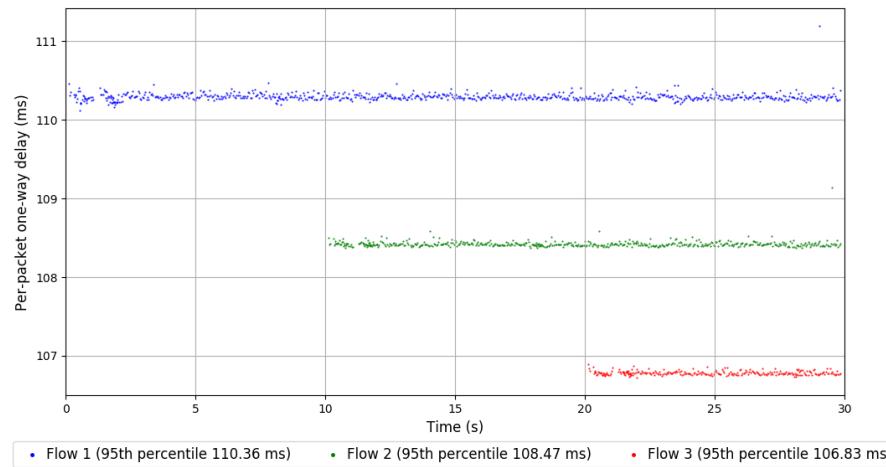
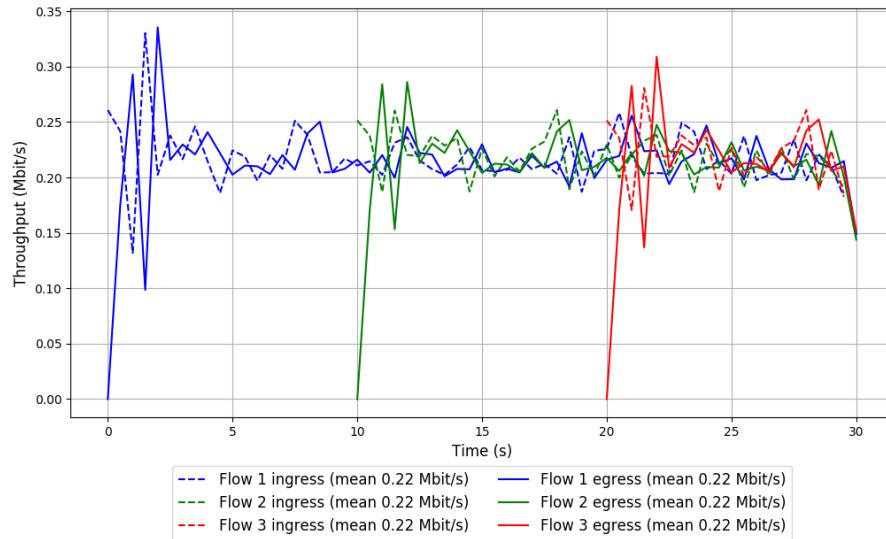


Run 3: Statistics of SCReAM

```
Start at: 2019-11-24 05:03:14
End at: 2019-11-24 05:03:44
Local clock offset: -0.109 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2019-11-24 09:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 110.343 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.359 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.469 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.832 ms
Loss rate: 1.85%
```

Run 3: Report of SCReAM — Data Link

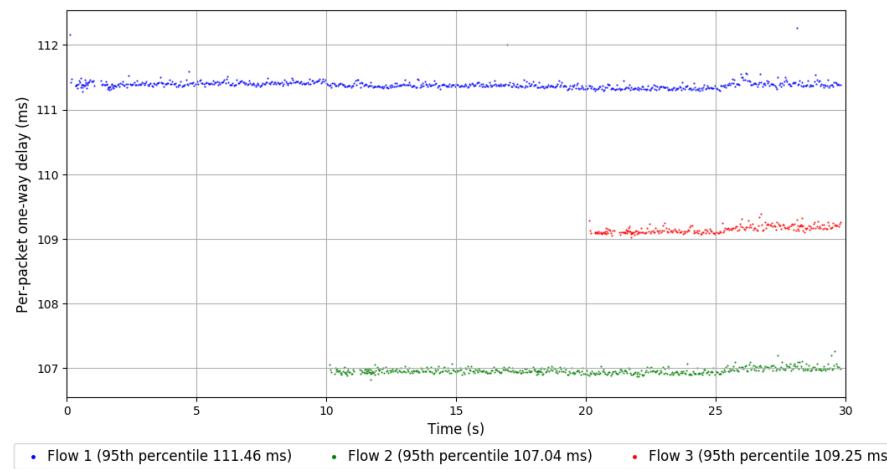
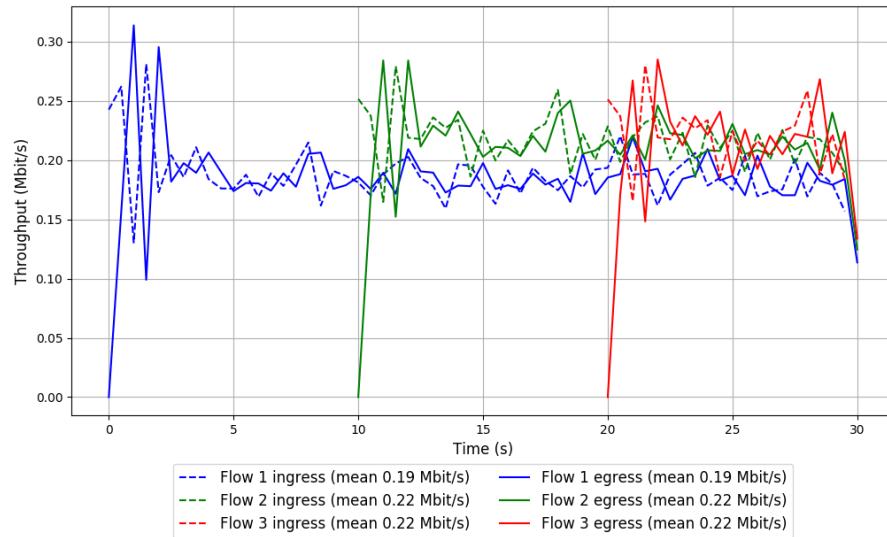


Run 4: Statistics of SCReAM

```
Start at: 2019-11-24 05:45:35
End at: 2019-11-24 05:46:05
Local clock offset: -0.128 ms
Remote clock offset: -0.13 ms

# Below is generated by plot.py at 2019-11-24 09:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.438 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.458 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.042 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.248 ms
Loss rate: 2.22%
```

Run 4: Report of SCReAM — Data Link

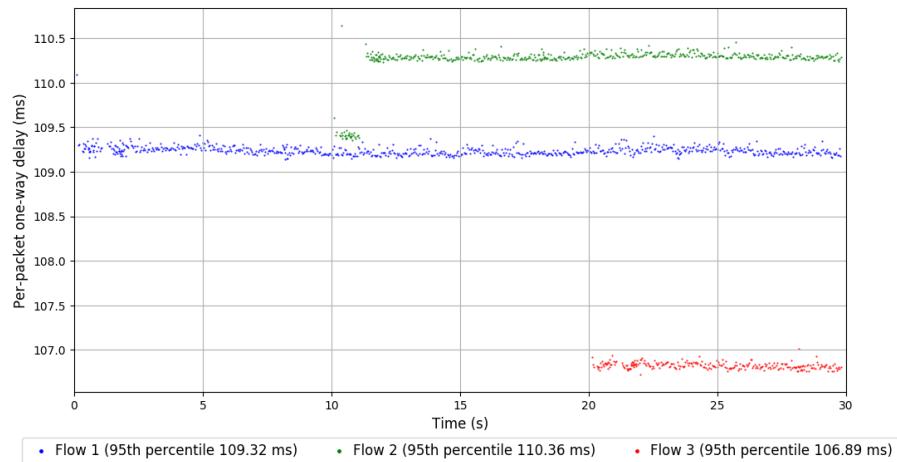
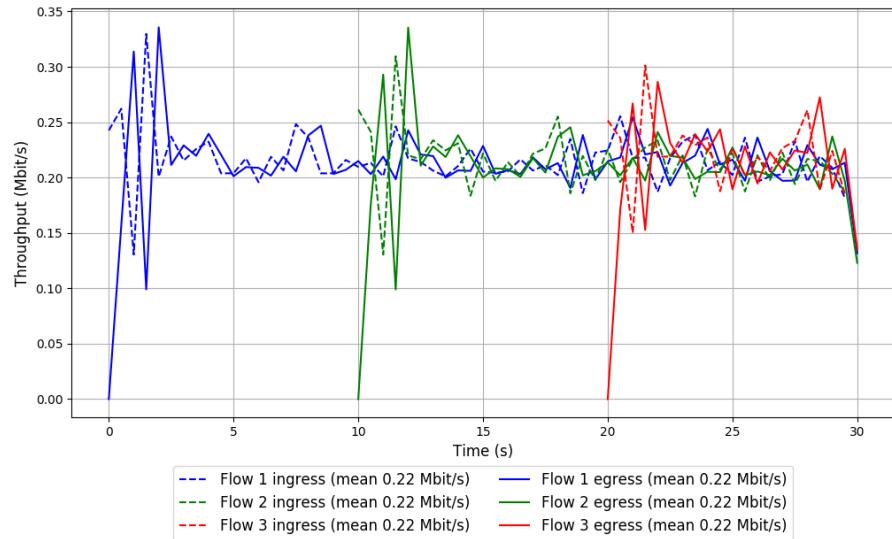


Run 5: Statistics of SCReAM

```
Start at: 2019-11-24 06:27:17
End at: 2019-11-24 06:27:47
Local clock offset: -0.044 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2019-11-24 09:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 110.327 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.316 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.361 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.886 ms
Loss rate: 2.23%
```

Run 5: Report of SCReAM — Data Link

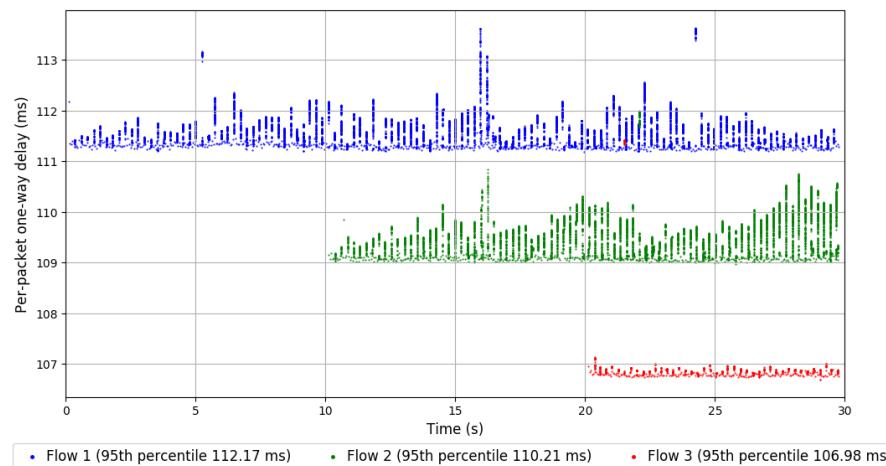
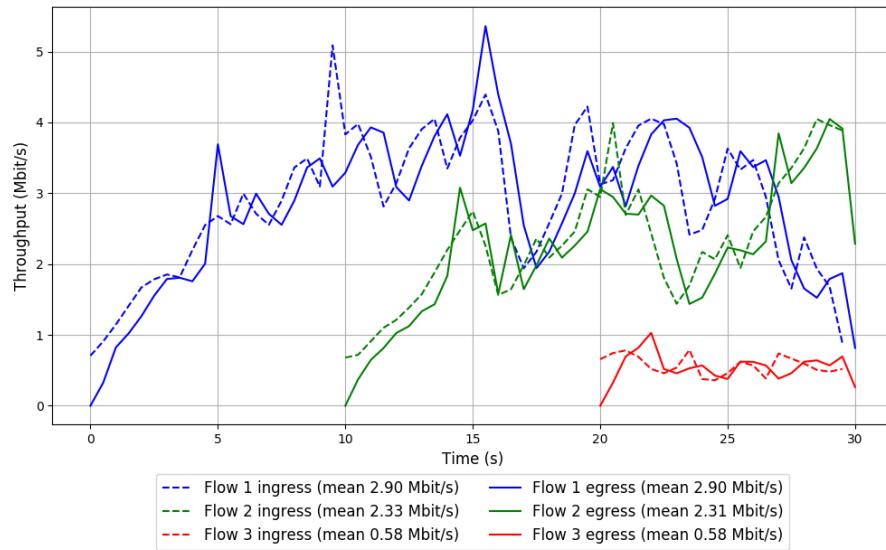


Run 1: Statistics of Sprout

```
Start at: 2019-11-24 03:21:20
End at: 2019-11-24 03:21:50
Local clock offset: -0.067 ms
Remote clock offset: 0.044 ms

# Below is generated by plot.py at 2019-11-24 09:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 112.048 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 112.167 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 110.212 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 106.981 ms
Loss rate: 2.26%
```

Run 1: Report of Sprout — Data Link

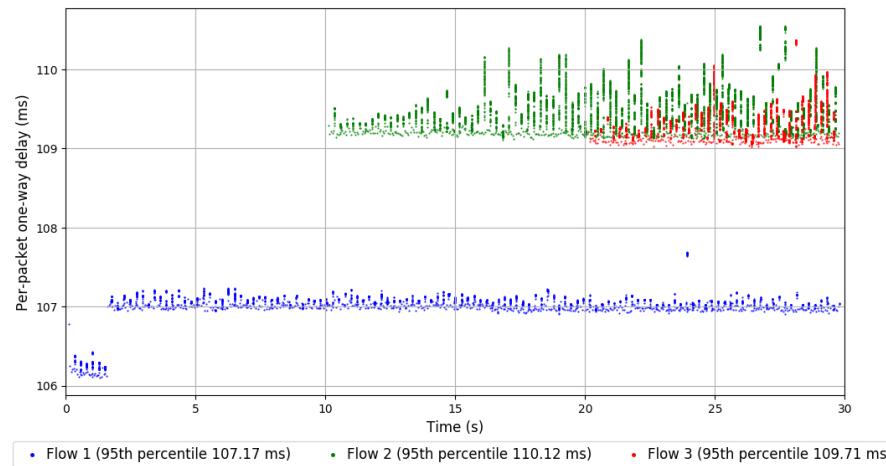
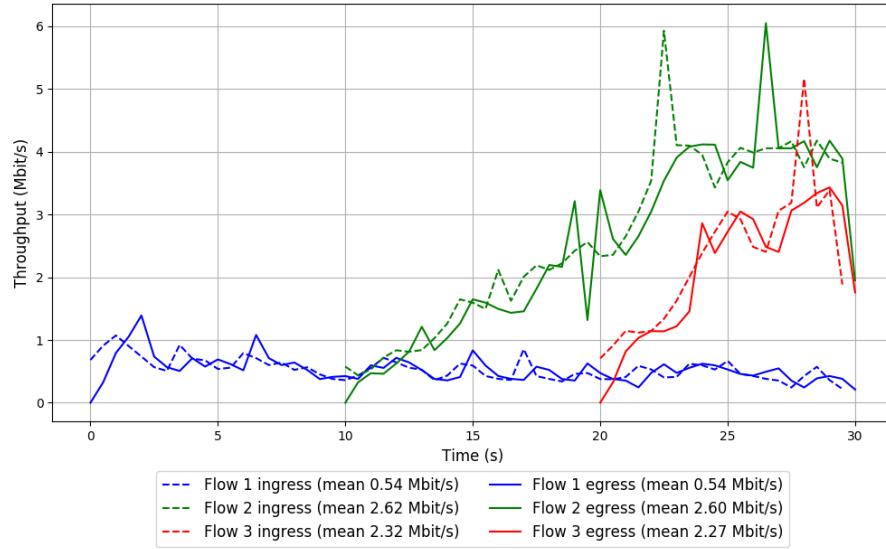


Run 2: Statistics of Sprout

```
Start at: 2019-11-24 04:04:04
End at: 2019-11-24 04:04:34
Local clock offset: -0.078 ms
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2019-11-24 09:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 109.972 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 107.166 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 110.117 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 109.713 ms
Loss rate: 4.10%
```

Run 2: Report of Sprout — Data Link

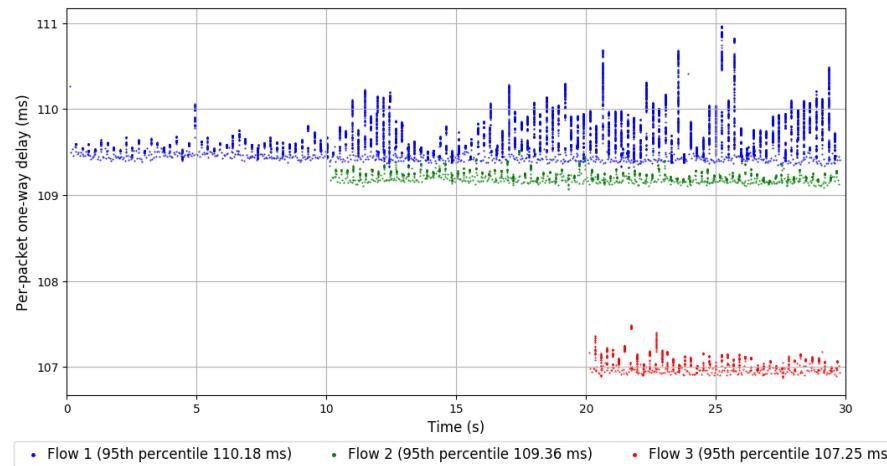
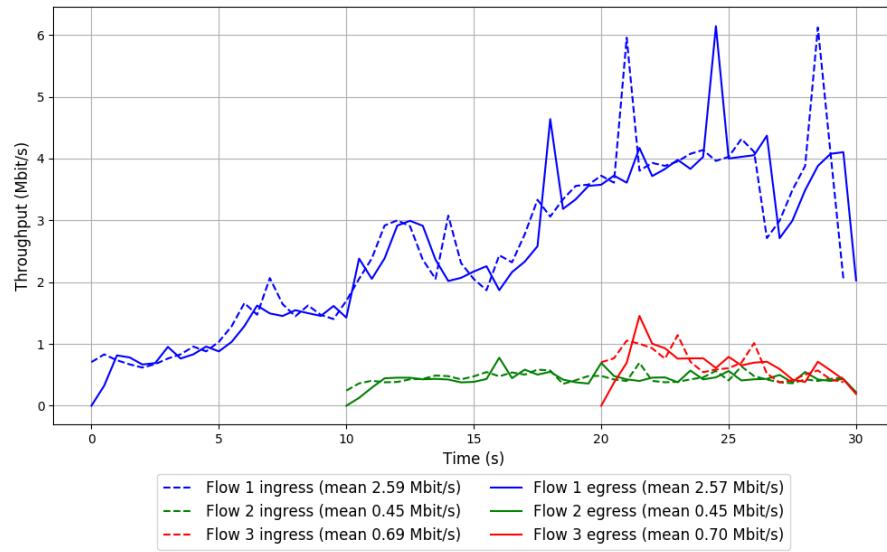


Run 3: Statistics of Sprout

```
Start at: 2019-11-24 04:46:45
End at: 2019-11-24 04:47:15
Local clock offset: -0.054 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2019-11-24 09:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 110.128 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 110.176 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 109.359 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 107.245 ms
Loss rate: 1.42%
```

Run 3: Report of Sprout — Data Link

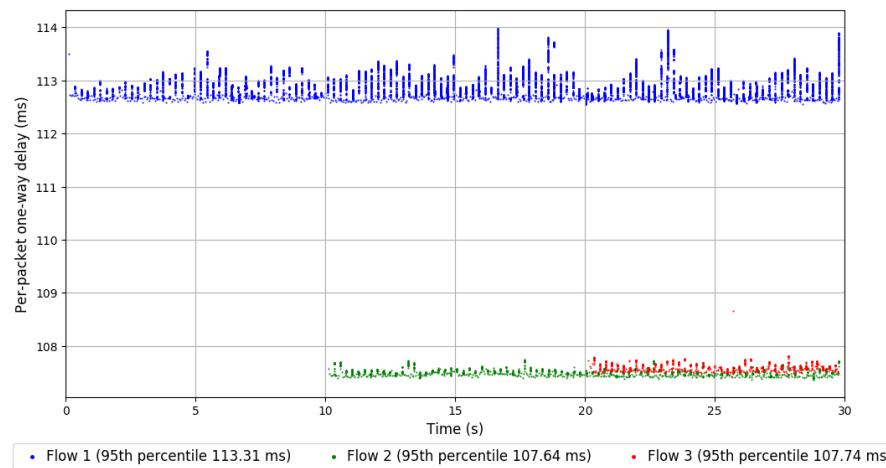
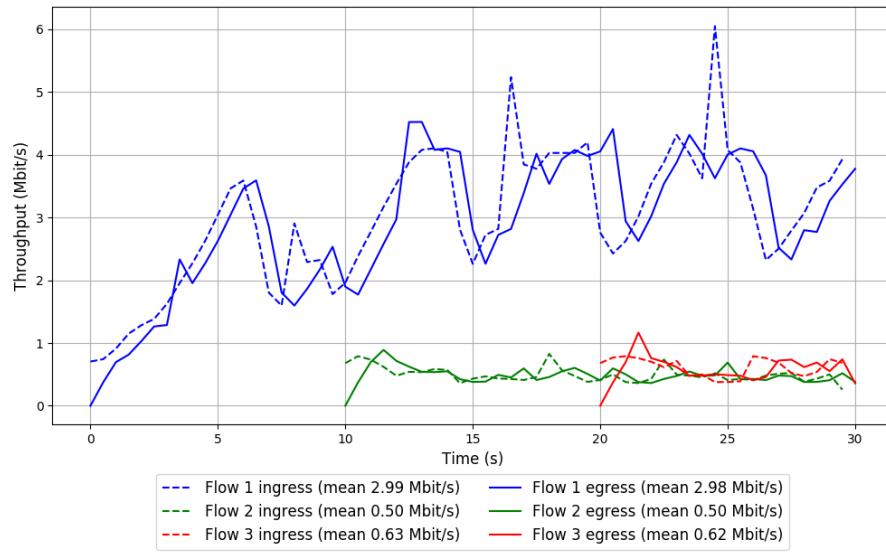


Run 4: Statistics of Sprout

```
Start at: 2019-11-24 05:29:29
End at: 2019-11-24 05:29:59
Local clock offset: 0.098 ms
Remote clock offset: -0.464 ms

# Below is generated by plot.py at 2019-11-24 09:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 113.268 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 113.315 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 107.644 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 107.741 ms
Loss rate: 2.69%
```

Run 4: Report of Sprout — Data Link

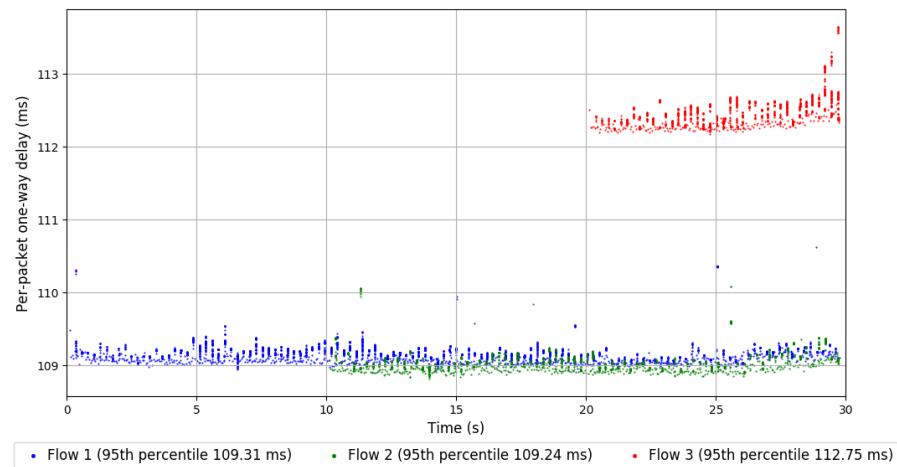
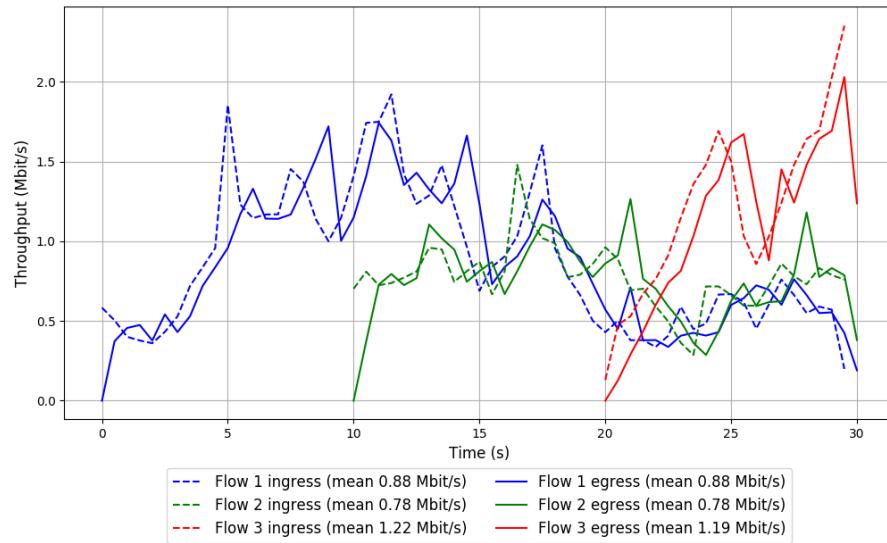


Run 5: Statistics of Sprout

```
Start at: 2019-11-24 06:11:12
End at: 2019-11-24 06:11:42
Local clock offset: -0.084 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2019-11-24 09:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 112.597 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 0.88 Mbit/s
95th percentile per-packet one-way delay: 109.310 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 109.239 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 112.749 ms
Loss rate: 4.65%
```

Run 5: Report of Sprout — Data Link

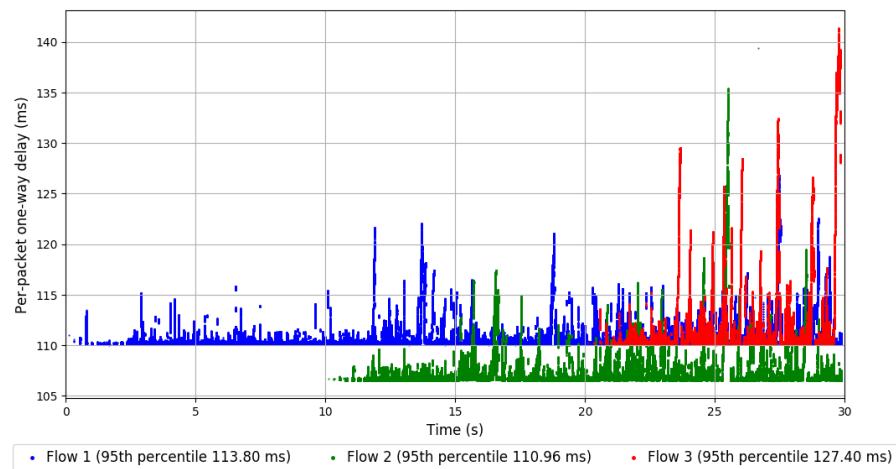
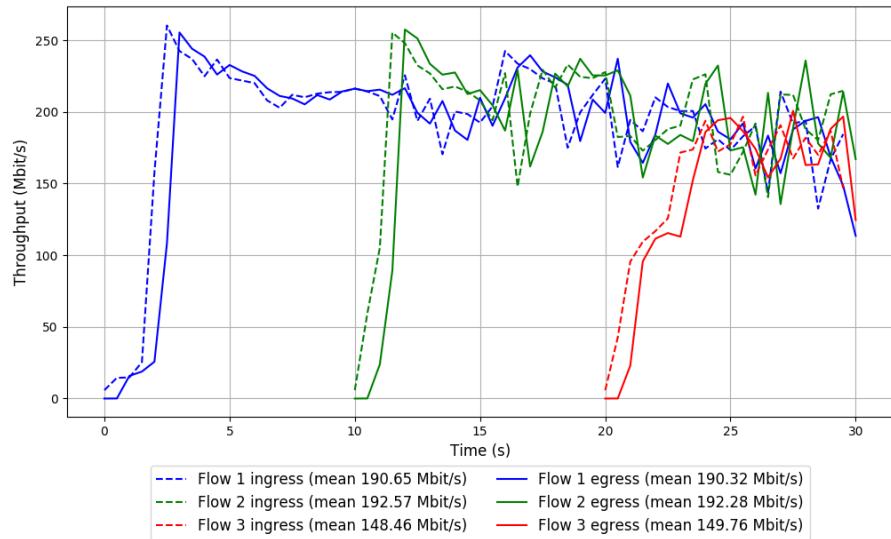


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-11-24 03:40:51
End at: 2019-11-24 03:41:21
Local clock offset: -0.059 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2019-11-24 09:39:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 366.79 Mbit/s
95th percentile per-packet one-way delay: 114.517 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 190.32 Mbit/s
95th percentile per-packet one-way delay: 113.804 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 192.28 Mbit/s
95th percentile per-packet one-way delay: 110.964 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 149.76 Mbit/s
95th percentile per-packet one-way delay: 127.396 ms
Loss rate: 1.66%
```

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

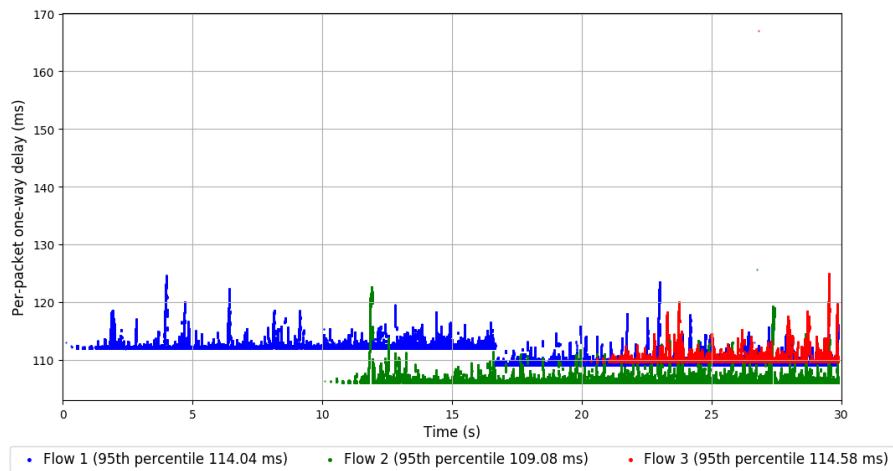
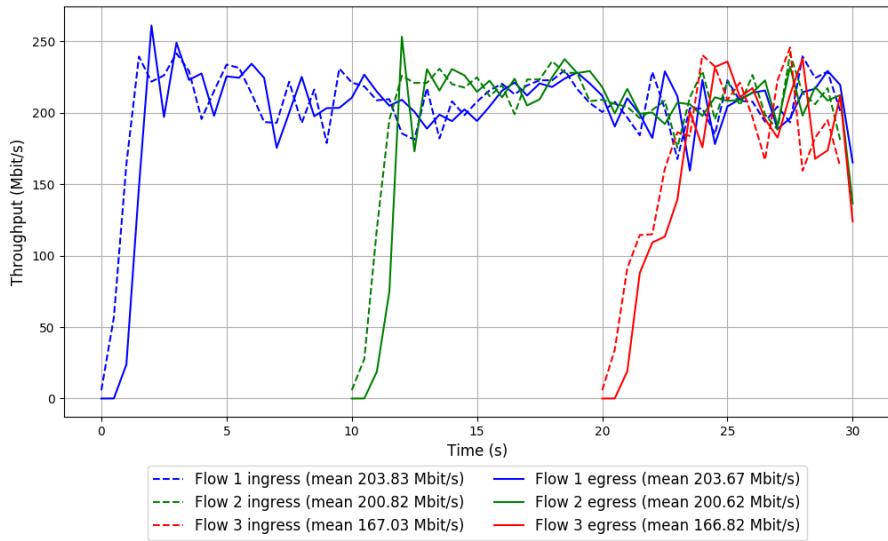


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-11-24 04:23:20
End at: 2019-11-24 04:23:50
Local clock offset: -0.073 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2019-11-24 09:40:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 391.49 Mbit/s
95th percentile per-packet one-way delay: 113.496 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 203.67 Mbit/s
95th percentile per-packet one-way delay: 114.037 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 200.62 Mbit/s
95th percentile per-packet one-way delay: 109.079 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 166.82 Mbit/s
95th percentile per-packet one-way delay: 114.583 ms
Loss rate: 2.34%
```

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

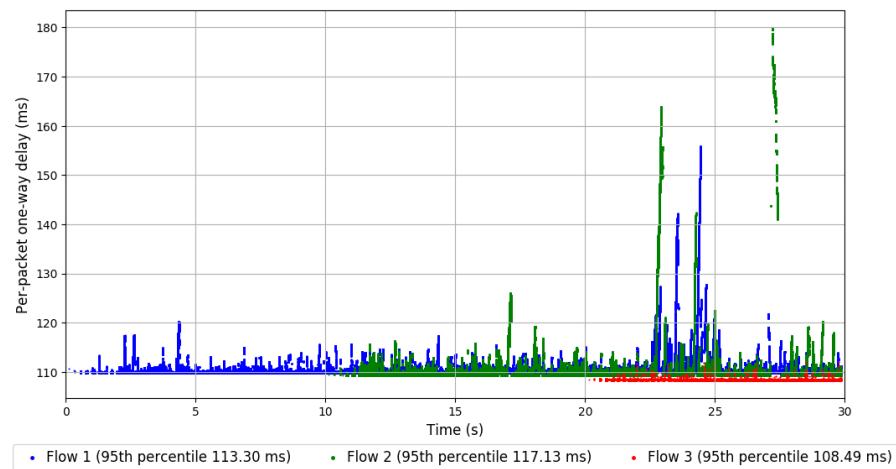
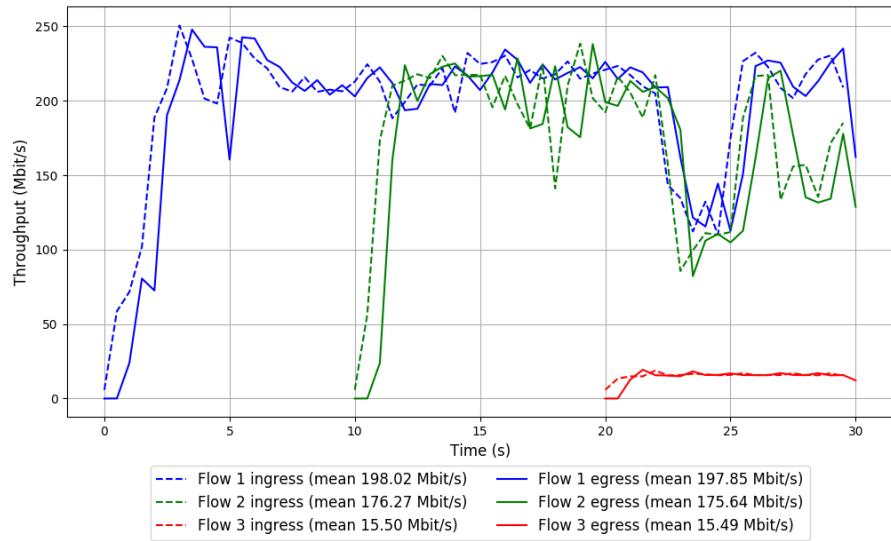


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-11-24 05:06:09
End at: 2019-11-24 05:06:39
Local clock offset: -0.059 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2019-11-24 09:40:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 319.46 Mbit/s
95th percentile per-packet one-way delay: 114.458 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 197.85 Mbit/s
95th percentile per-packet one-way delay: 113.304 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 175.64 Mbit/s
95th percentile per-packet one-way delay: 117.130 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 15.49 Mbit/s
95th percentile per-packet one-way delay: 108.491 ms
Loss rate: 2.29%
```

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

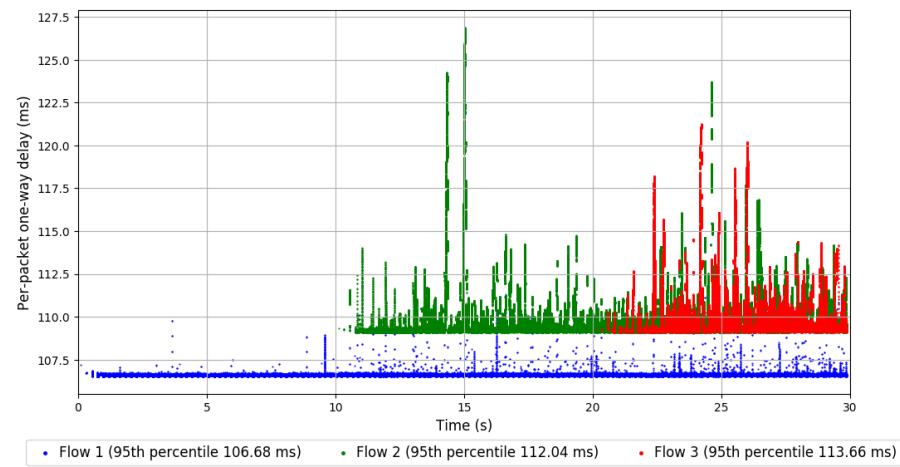
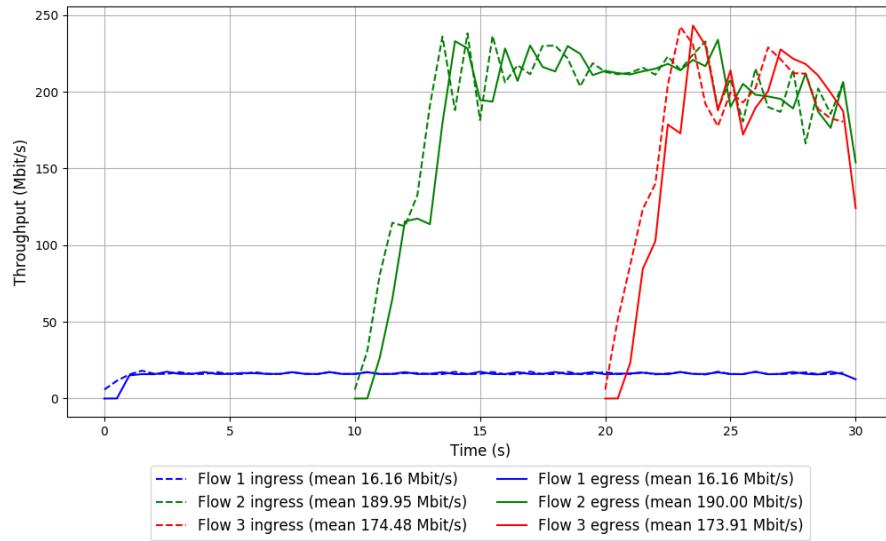


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-11-24 05:48:35
End at: 2019-11-24 05:49:05
Local clock offset: -0.159 ms
Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2019-11-24 09:40:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 199.16 Mbit/s
95th percentile per-packet one-way delay: 112.293 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 16.16 Mbit/s
95th percentile per-packet one-way delay: 106.682 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 190.00 Mbit/s
95th percentile per-packet one-way delay: 112.040 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 173.91 Mbit/s
95th percentile per-packet one-way delay: 113.657 ms
Loss rate: 2.54%
```

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

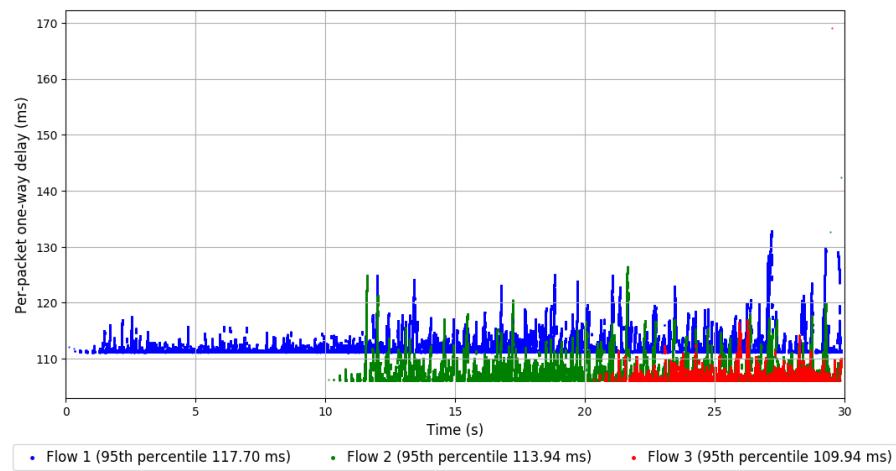
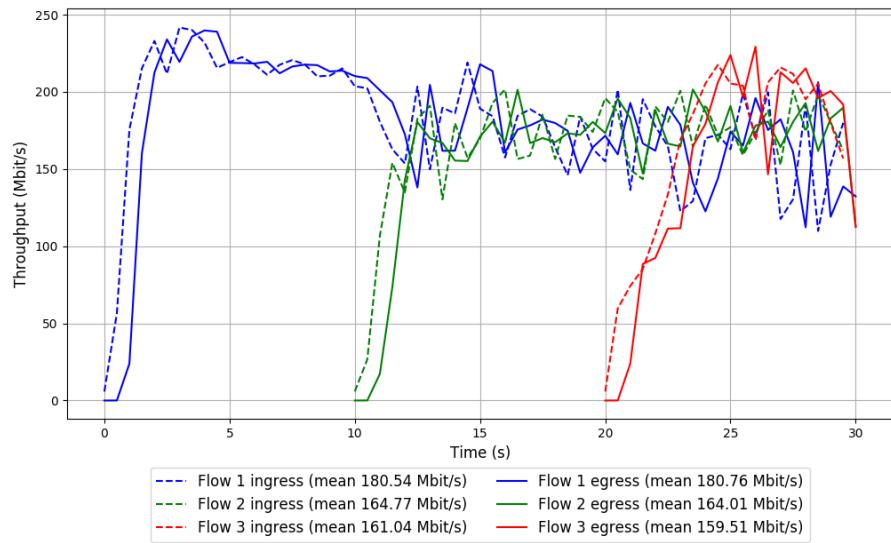


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-11-24 06:30:18
End at: 2019-11-24 06:30:48
Local clock offset: -0.11 ms
Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2019-11-24 09:40:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 341.83 Mbit/s
95th percentile per-packet one-way delay: 116.155 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 180.76 Mbit/s
95th percentile per-packet one-way delay: 117.701 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 164.01 Mbit/s
95th percentile per-packet one-way delay: 113.944 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 159.51 Mbit/s
95th percentile per-packet one-way delay: 109.938 ms
Loss rate: 2.63%
```

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

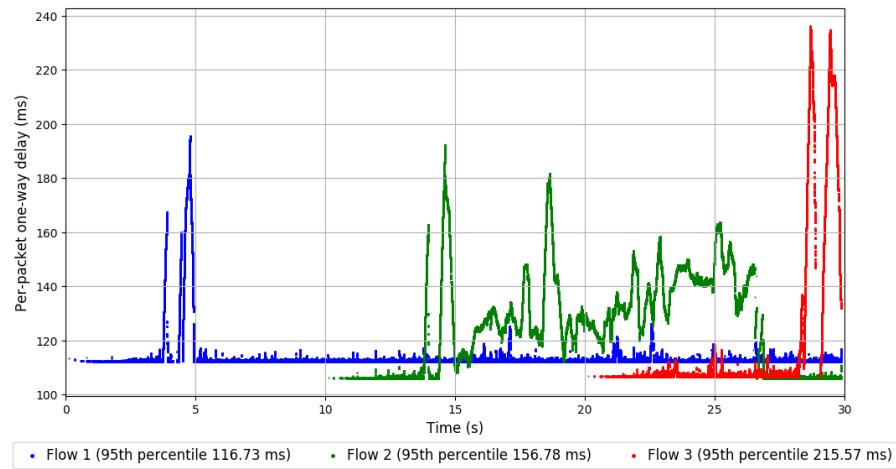
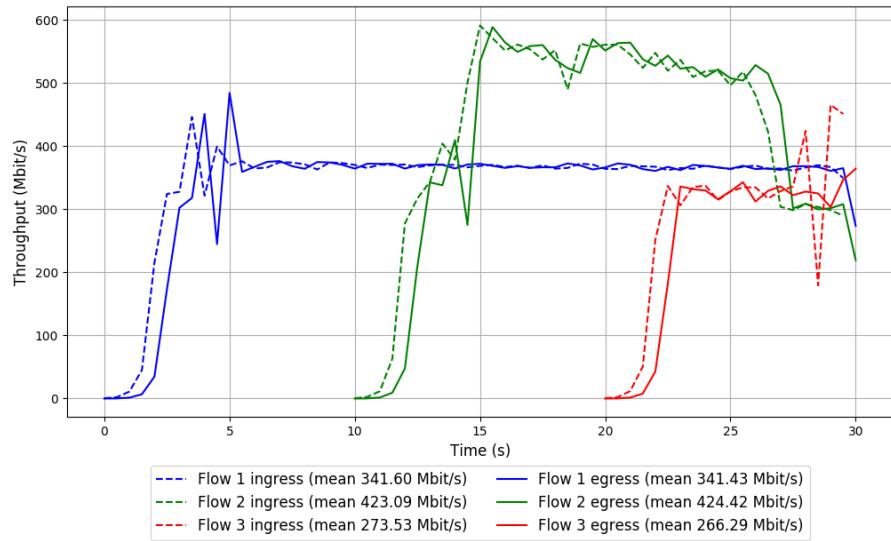


Run 1: Statistics of TCP Vegas

```
Start at: 2019-11-24 03:24:29
End at: 2019-11-24 03:24:59
Local clock offset: -0.024 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2019-11-24 09:44:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 710.38 Mbit/s
95th percentile per-packet one-way delay: 155.915 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 341.43 Mbit/s
95th percentile per-packet one-way delay: 116.726 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 424.42 Mbit/s
95th percentile per-packet one-way delay: 156.784 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 266.29 Mbit/s
95th percentile per-packet one-way delay: 215.575 ms
Loss rate: 4.77%
```

Run 1: Report of TCP Vegas — Data Link

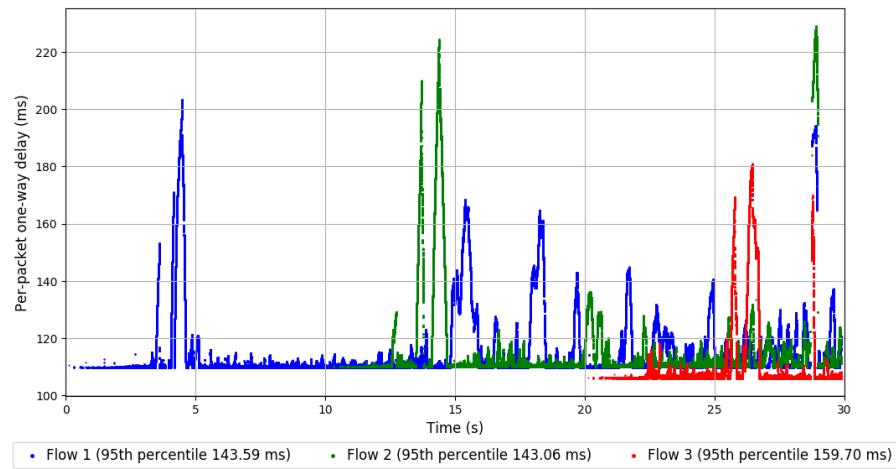
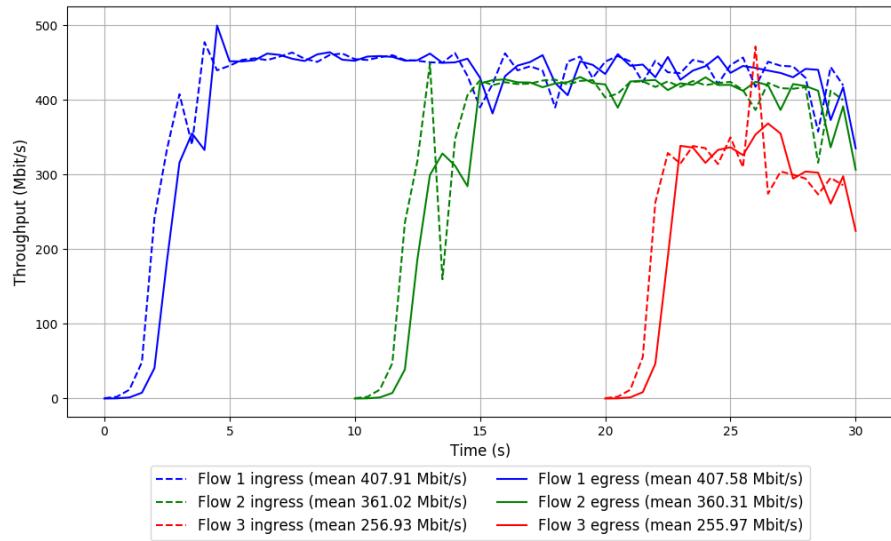


Run 2: Statistics of TCP Vegas

```
Start at: 2019-11-24 04:07:16
End at: 2019-11-24 04:07:46
Local clock offset: -0.049 ms
Remote clock offset: -0.156 ms

# Below is generated by plot.py at 2019-11-24 09:49:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 730.67 Mbit/s
95th percentile per-packet one-way delay: 148.643 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 407.58 Mbit/s
95th percentile per-packet one-way delay: 143.585 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 360.31 Mbit/s
95th percentile per-packet one-way delay: 143.055 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 255.97 Mbit/s
95th percentile per-packet one-way delay: 159.696 ms
Loss rate: 2.52%
```

Run 2: Report of TCP Vegas — Data Link

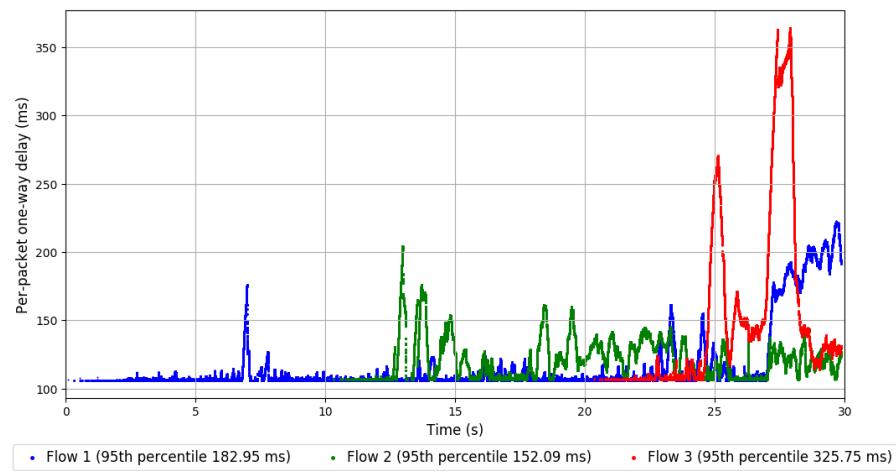
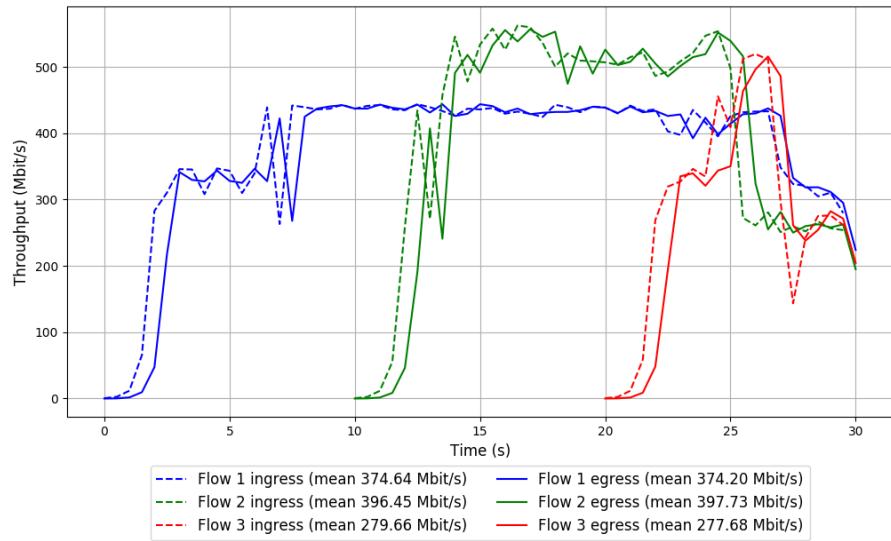


Run 3: Statistics of TCP Vegas

```
Start at: 2019-11-24 04:49:54
End at: 2019-11-24 04:50:24
Local clock offset: -0.092 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2019-11-24 09:51:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 729.19 Mbit/s
95th percentile per-packet one-way delay: 183.058 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 374.20 Mbit/s
95th percentile per-packet one-way delay: 182.951 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 397.73 Mbit/s
95th percentile per-packet one-way delay: 152.089 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 277.68 Mbit/s
95th percentile per-packet one-way delay: 325.745 ms
Loss rate: 2.83%
```

Run 3: Report of TCP Vegas — Data Link

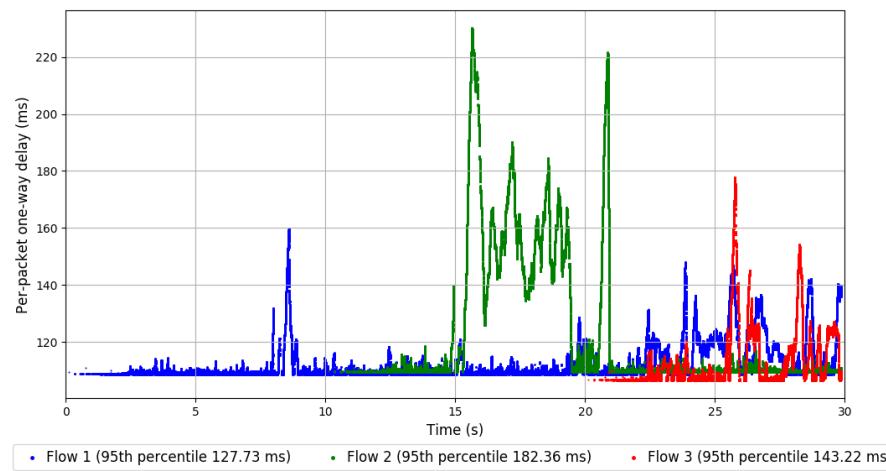
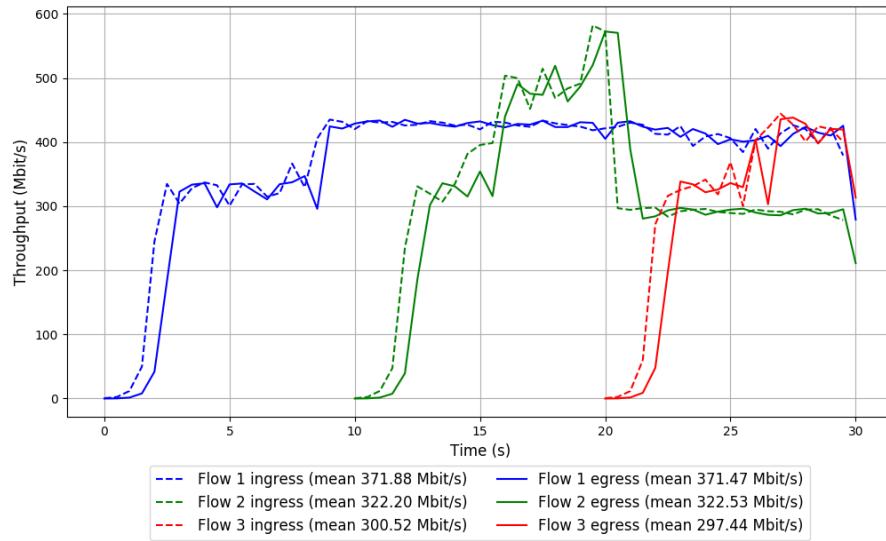


Run 4: Statistics of TCP Vegas

```
Start at: 2019-11-24 05:32:41
End at: 2019-11-24 05:38:11
Local clock offset: -0.1 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2019-11-24 09:51:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 683.09 Mbit/s
95th percentile per-packet one-way delay: 159.559 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 371.47 Mbit/s
95th percentile per-packet one-way delay: 127.735 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 322.53 Mbit/s
95th percentile per-packet one-way delay: 182.359 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 297.44 Mbit/s
95th percentile per-packet one-way delay: 143.221 ms
Loss rate: 3.15%
```

Run 4: Report of TCP Vegas — Data Link

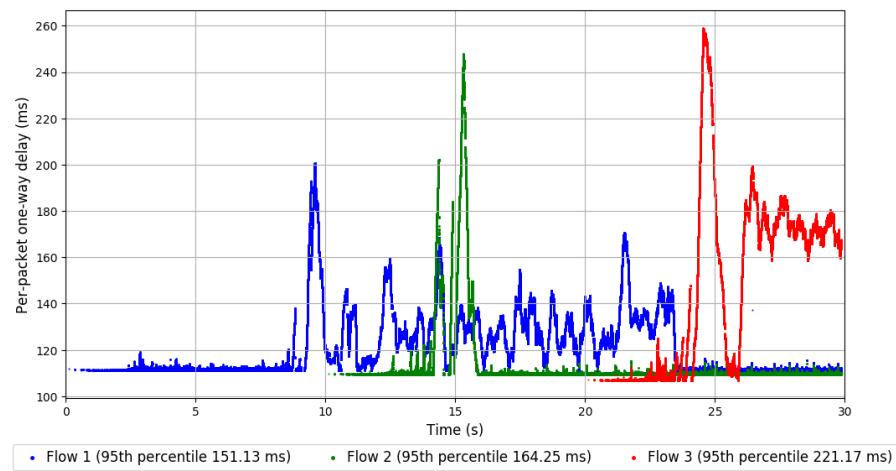
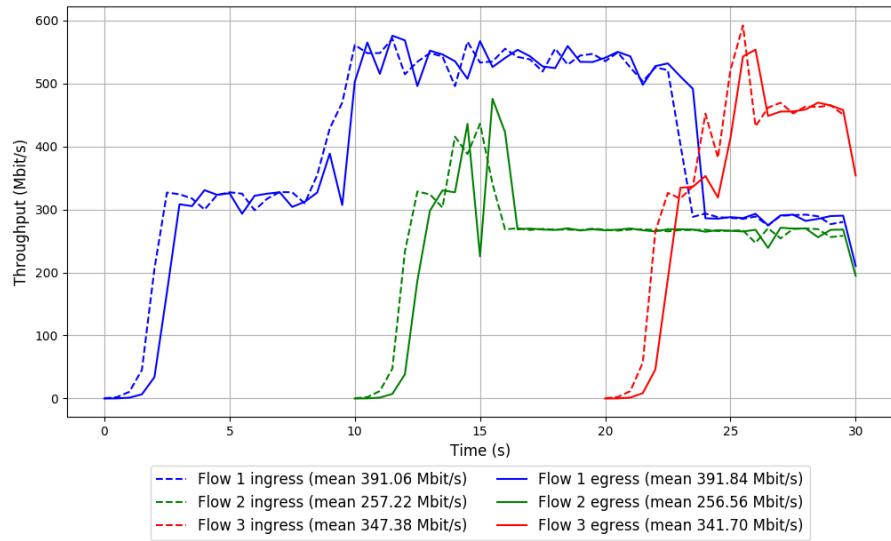


Run 5: Statistics of TCP Vegas

```
Start at: 2019-11-24 06:14:22
End at: 2019-11-24 06:14:52
Local clock offset: -0.098 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2019-11-24 09:52:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 674.04 Mbit/s
95th percentile per-packet one-way delay: 177.766 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 391.84 Mbit/s
95th percentile per-packet one-way delay: 151.134 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 256.56 Mbit/s
95th percentile per-packet one-way delay: 164.246 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 341.70 Mbit/s
95th percentile per-packet one-way delay: 221.169 ms
Loss rate: 3.74%
```

Run 5: Report of TCP Vegas — Data Link

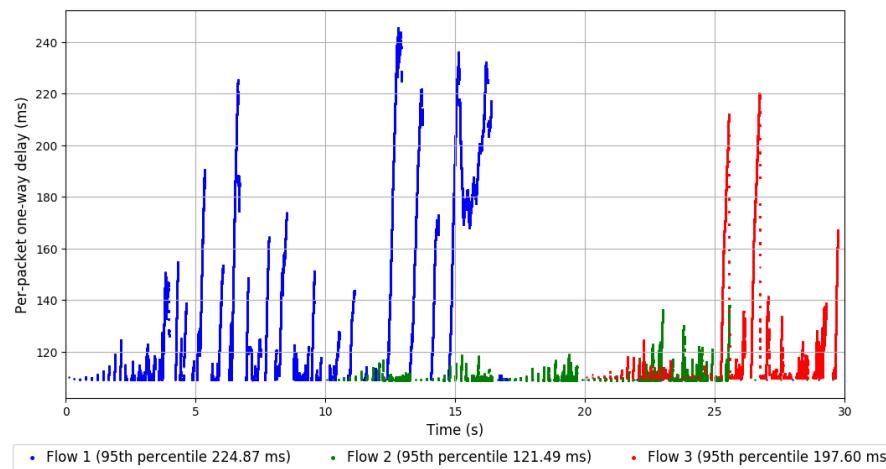
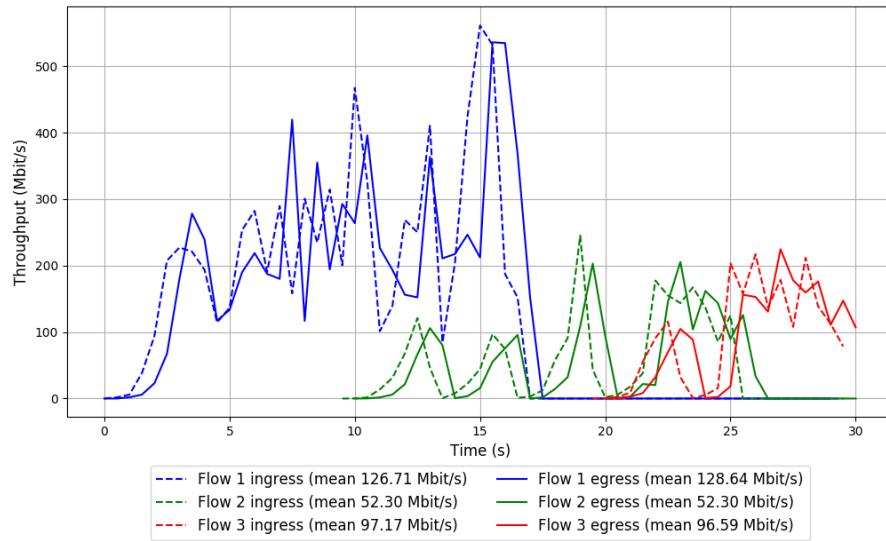


Run 1: Statistics of Verus

```
Start at: 2019-11-24 03:26:27
End at: 2019-11-24 03:26:58
Local clock offset: -0.042 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2019-11-24 09:52:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 191.24 Mbit/s
95th percentile per-packet one-way delay: 216.487 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 128.64 Mbit/s
95th percentile per-packet one-way delay: 224.866 ms
Loss rate: 1.88%
-- Flow 2:
Average throughput: 52.30 Mbit/s
95th percentile per-packet one-way delay: 121.488 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 197.604 ms
Loss rate: 0.00%
```

Run 1: Report of Verus — Data Link

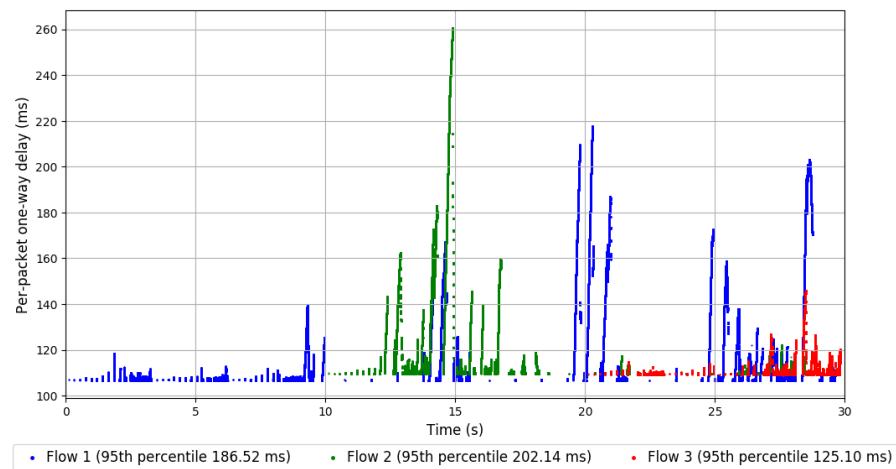
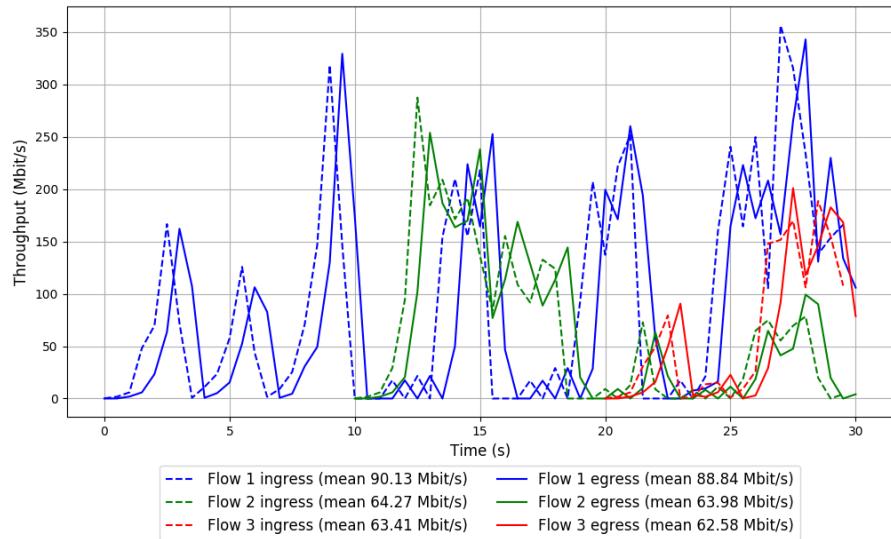


Run 2: Statistics of Verus

```
Start at: 2019-11-24 04:09:15
End at: 2019-11-24 04:09:45
Local clock offset: -0.09 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2019-11-24 09:52:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 150.79 Mbit/s
95th percentile per-packet one-way delay: 183.054 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 88.84 Mbit/s
95th percentile per-packet one-way delay: 186.517 ms
Loss rate: 2.87%
-- Flow 2:
Average throughput: 63.98 Mbit/s
95th percentile per-packet one-way delay: 202.136 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 62.58 Mbit/s
95th percentile per-packet one-way delay: 125.096 ms
Loss rate: 3.57%
```

Run 2: Report of Verus — Data Link

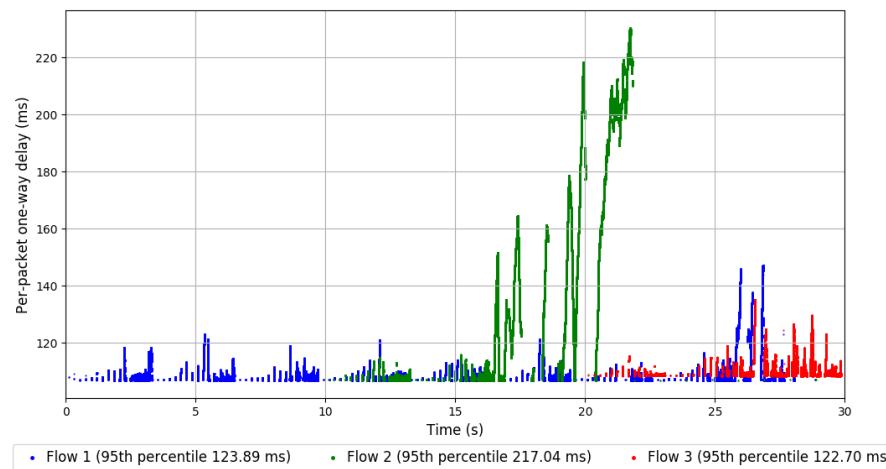
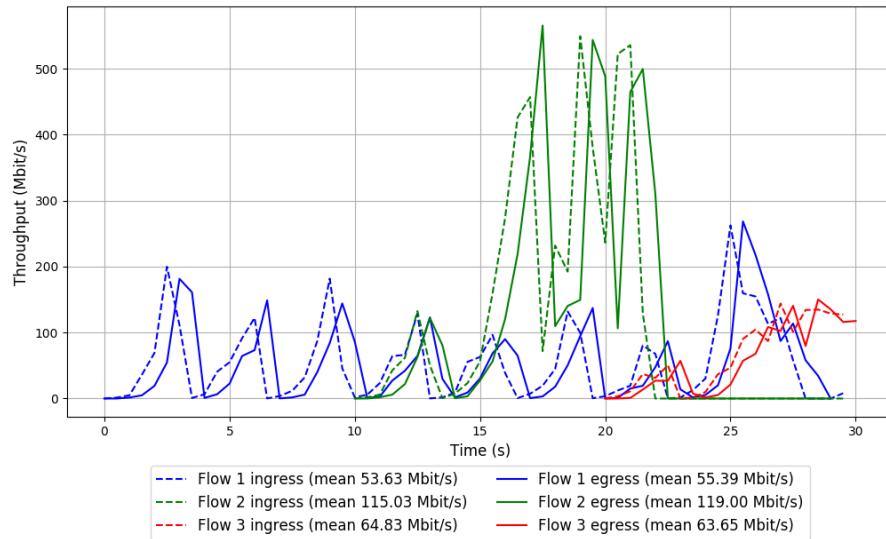


Run 3: Statistics of Verus

```
Start at: 2019-11-24 04:51:53
End at: 2019-11-24 04:52:23
Local clock offset: -0.026 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2019-11-24 09:52:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 149.48 Mbit/s
95th percentile per-packet one-way delay: 206.484 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 55.39 Mbit/s
95th percentile per-packet one-way delay: 123.887 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 119.00 Mbit/s
95th percentile per-packet one-way delay: 217.037 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 63.65 Mbit/s
95th percentile per-packet one-way delay: 122.704 ms
Loss rate: 3.46%
```

Run 3: Report of Verus — Data Link

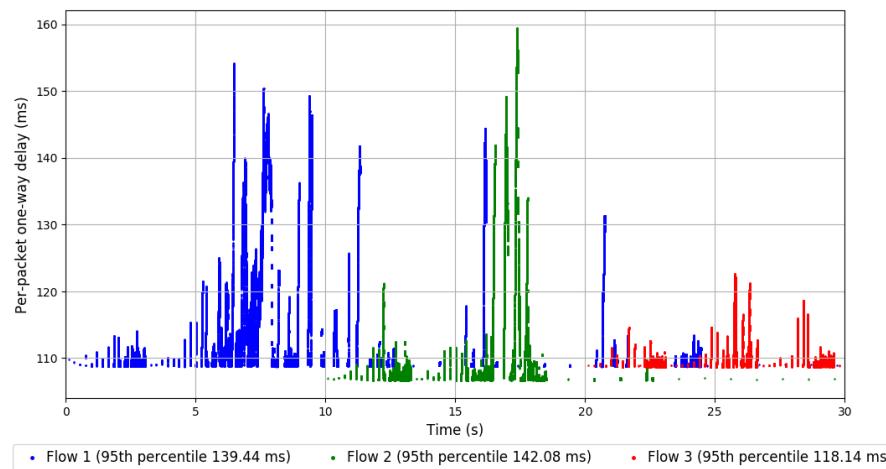
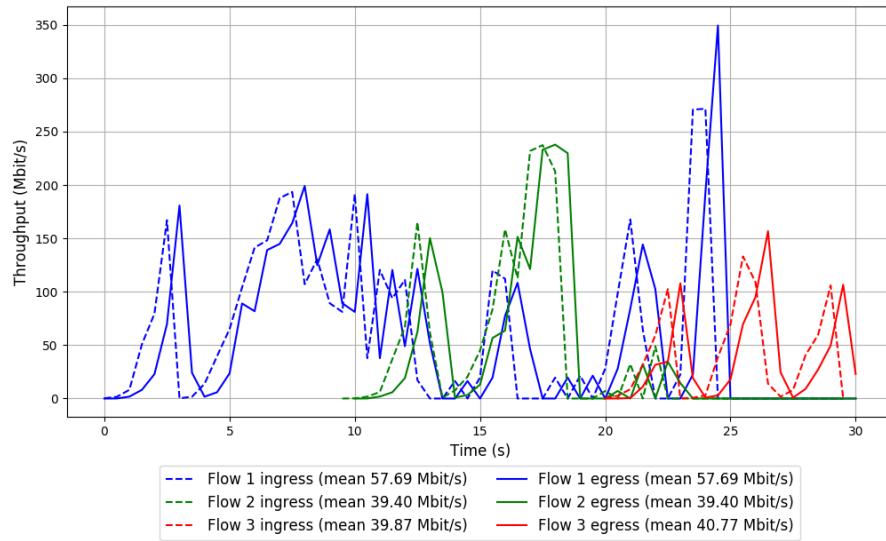


Run 4: Statistics of Verus

```
Start at: 2019-11-24 05:34:37
End at: 2019-11-24 05:35:07
Local clock offset: -0.142 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2019-11-24 09:52:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 139.030 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.69 Mbit/s
95th percentile per-packet one-way delay: 139.440 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 142.076 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.77 Mbit/s
95th percentile per-packet one-way delay: 118.143 ms
Loss rate: 0.02%
```

Run 4: Report of Verus — Data Link

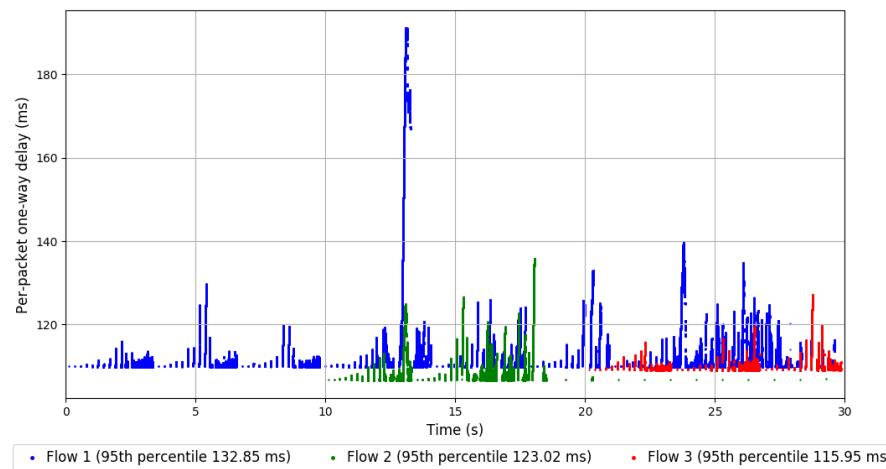
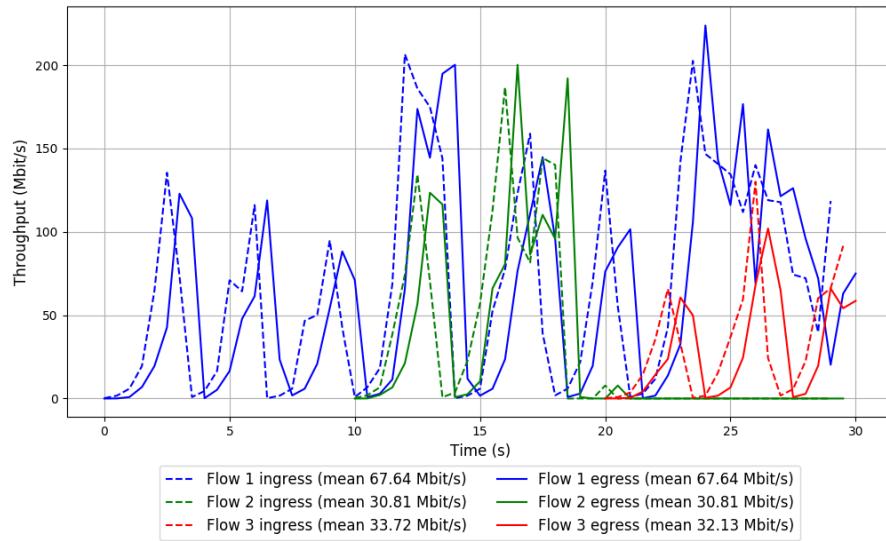


Run 5: Statistics of Verus

```
Start at: 2019-11-24 06:16:18
End at: 2019-11-24 06:16:48
Local clock offset: -0.201 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2019-11-24 09:52:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 129.482 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 67.64 Mbit/s
95th percentile per-packet one-way delay: 132.853 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.81 Mbit/s
95th percentile per-packet one-way delay: 123.020 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 115.955 ms
Loss rate: 6.83%
```

Run 5: Report of Verus — Data Link

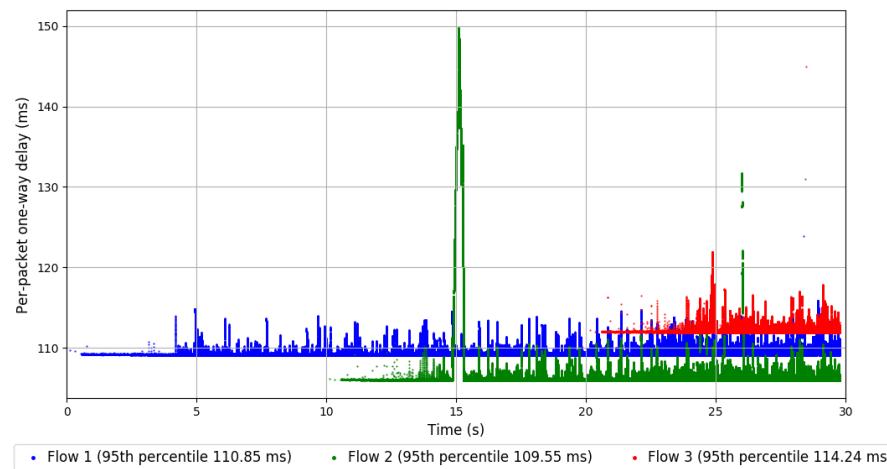
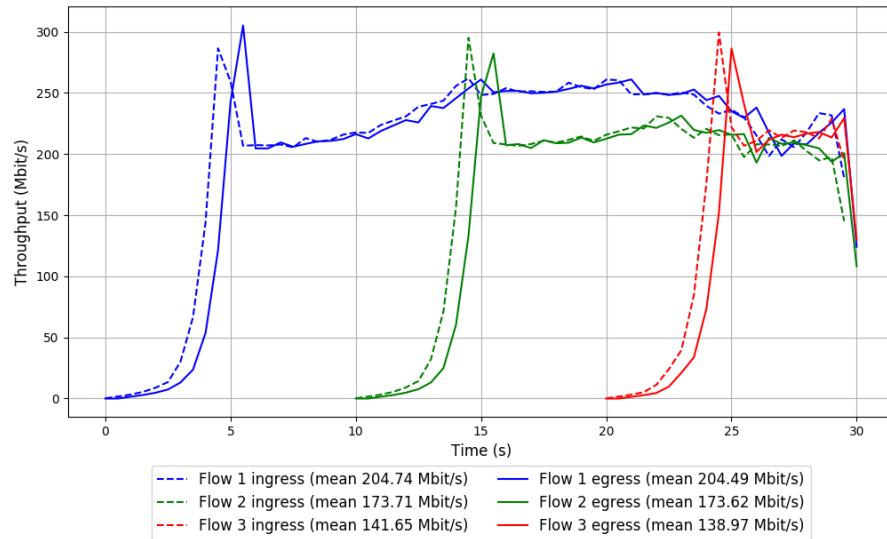


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-11-24 03:56:44
End at: 2019-11-24 03:57:14
Local clock offset: -0.063 ms
Remote clock offset: -0.15 ms

# Below is generated by plot.py at 2019-11-24 09:53:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 364.65 Mbit/s
95th percentile per-packet one-way delay: 112.403 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 204.49 Mbit/s
95th percentile per-packet one-way delay: 110.848 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 173.62 Mbit/s
95th percentile per-packet one-way delay: 109.552 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 138.97 Mbit/s
95th percentile per-packet one-way delay: 114.237 ms
Loss rate: 4.10%
```

Run 1: Report of PCC-Vivace — Data Link

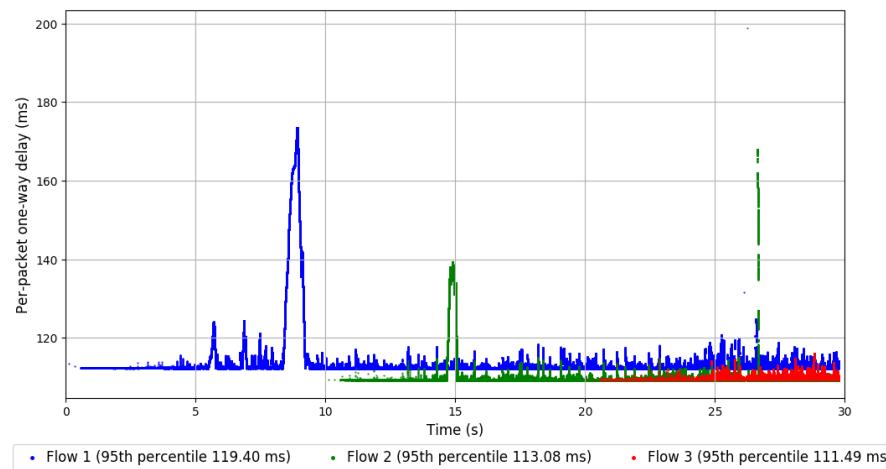
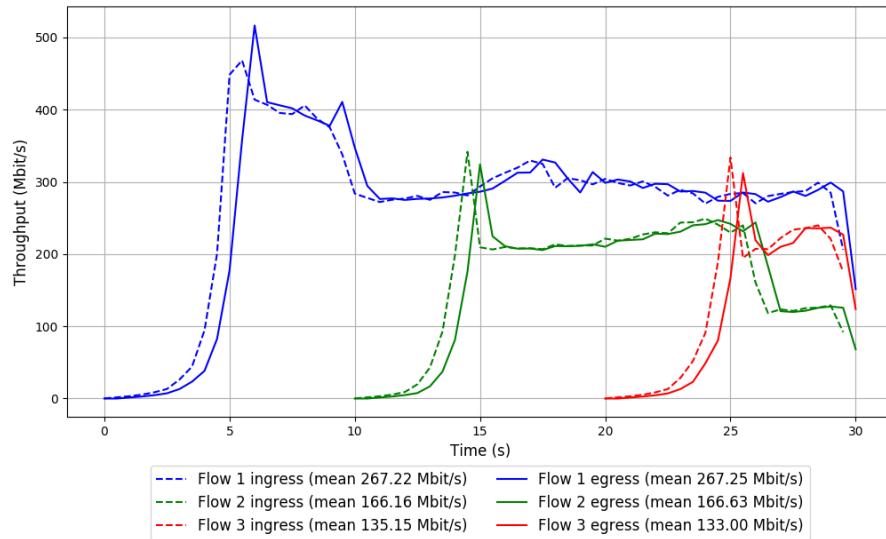


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-11-24 04:39:14
End at: 2019-11-24 04:39:44
Local clock offset: 0.015 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2019-11-24 09:54:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 420.87 Mbit/s
95th percentile per-packet one-way delay: 117.751 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 267.25 Mbit/s
95th percentile per-packet one-way delay: 119.402 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 166.63 Mbit/s
95th percentile per-packet one-way delay: 113.078 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 133.00 Mbit/s
95th percentile per-packet one-way delay: 111.491 ms
Loss rate: 3.76%
```

Run 2: Report of PCC-Vivace — Data Link

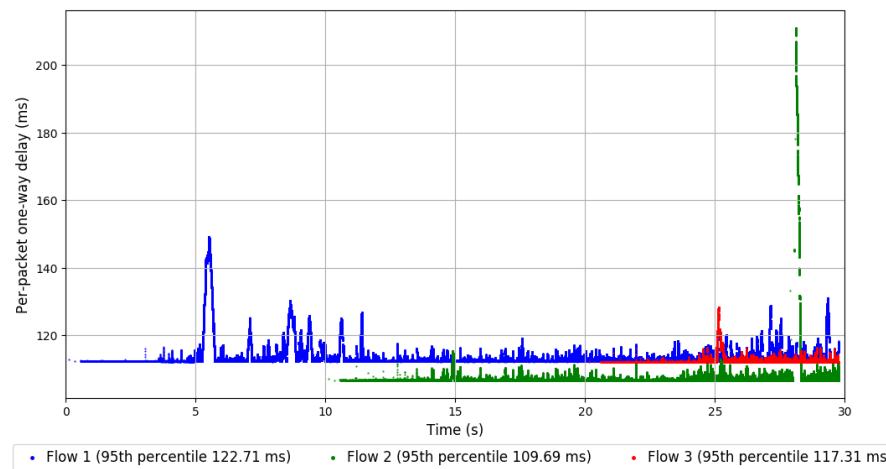
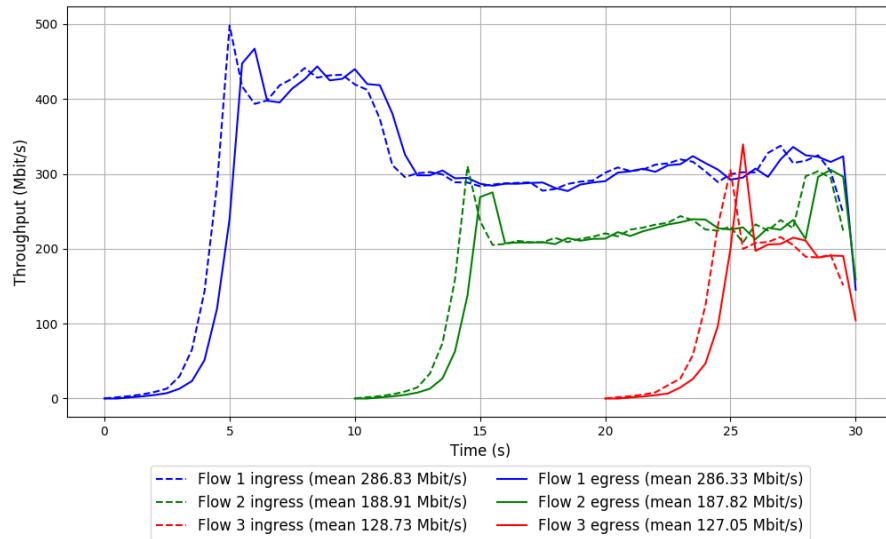


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-11-24 05:21:53
End at: 2019-11-24 05:22:23
Local clock offset: -0.18 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2019-11-24 09:54:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 452.09 Mbit/s
95th percentile per-packet one-way delay: 120.361 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 286.33 Mbit/s
95th percentile per-packet one-way delay: 122.713 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 187.82 Mbit/s
95th percentile per-packet one-way delay: 109.690 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 127.05 Mbit/s
95th percentile per-packet one-way delay: 117.313 ms
Loss rate: 3.55%
```

Run 3: Report of PCC-Vivace — Data Link

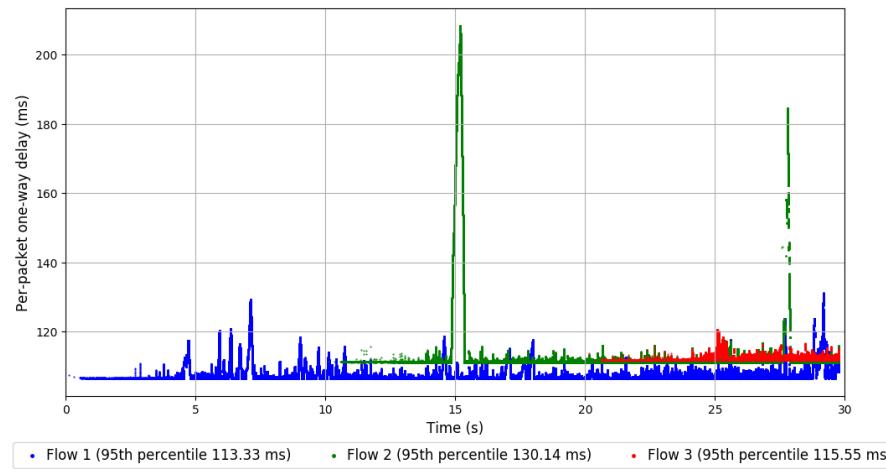
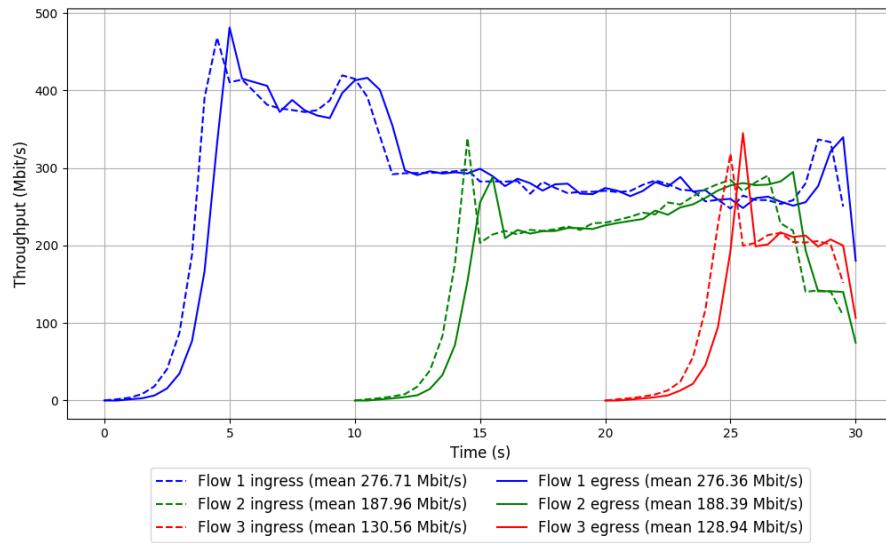


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-11-24 06:03:49
End at: 2019-11-24 06:04:19
Local clock offset: -0.119 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2019-11-24 09:55:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 442.99 Mbit/s
95th percentile per-packet one-way delay: 114.773 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 276.36 Mbit/s
95th percentile per-packet one-way delay: 113.335 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 188.39 Mbit/s
95th percentile per-packet one-way delay: 130.140 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 128.94 Mbit/s
95th percentile per-packet one-way delay: 115.550 ms
Loss rate: 3.55%
```

Run 4: Report of PCC-Vivace — Data Link

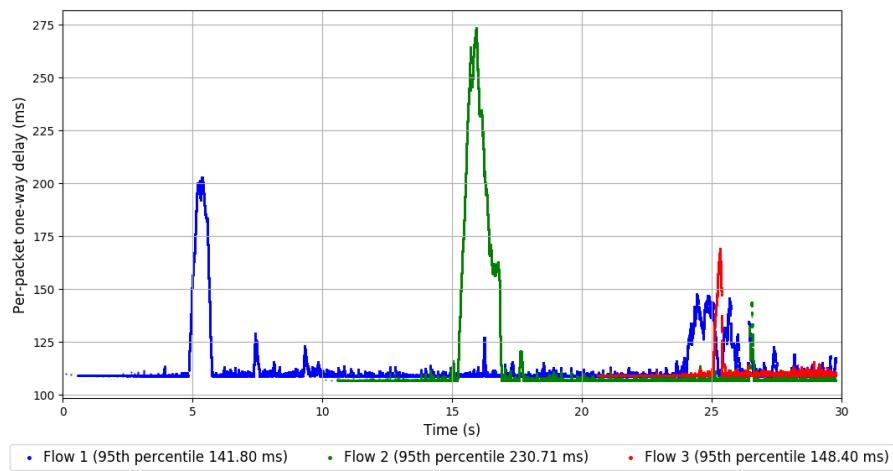
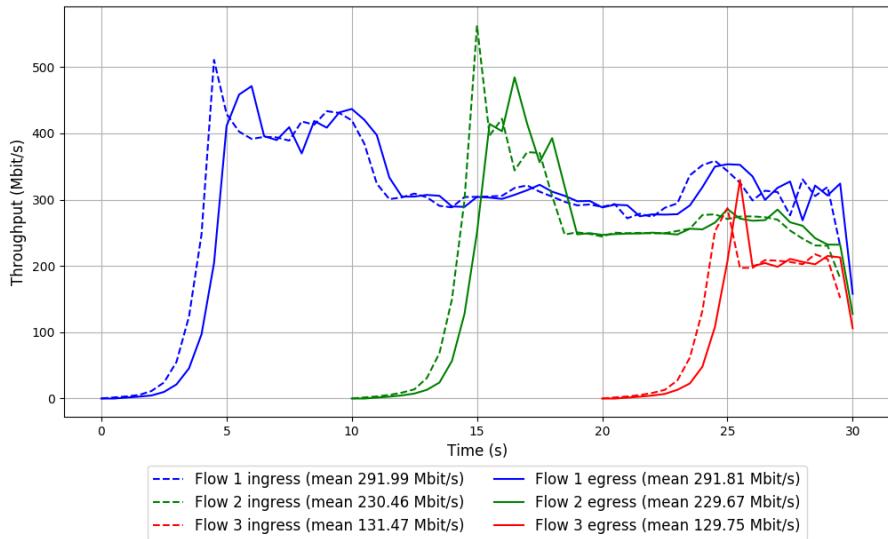


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-11-24 06:46:06
End at: 2019-11-24 06:46:36
Local clock offset: 0.035 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2019-11-24 09:55:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 486.13 Mbit/s
95th percentile per-packet one-way delay: 167.492 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 291.81 Mbit/s
95th percentile per-packet one-way delay: 141.803 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 229.67 Mbit/s
95th percentile per-packet one-way delay: 230.713 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 129.75 Mbit/s
95th percentile per-packet one-way delay: 148.403 ms
Loss rate: 3.52%
```

Run 5: Report of PCC-Vivace — Data Link

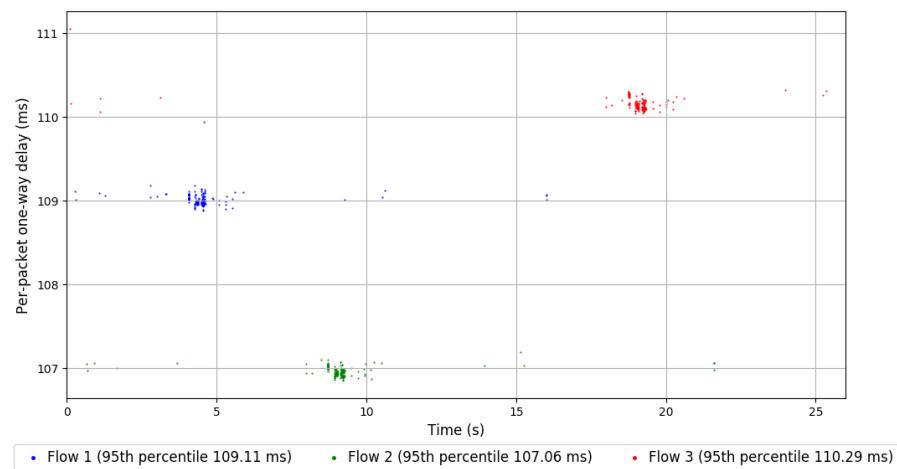
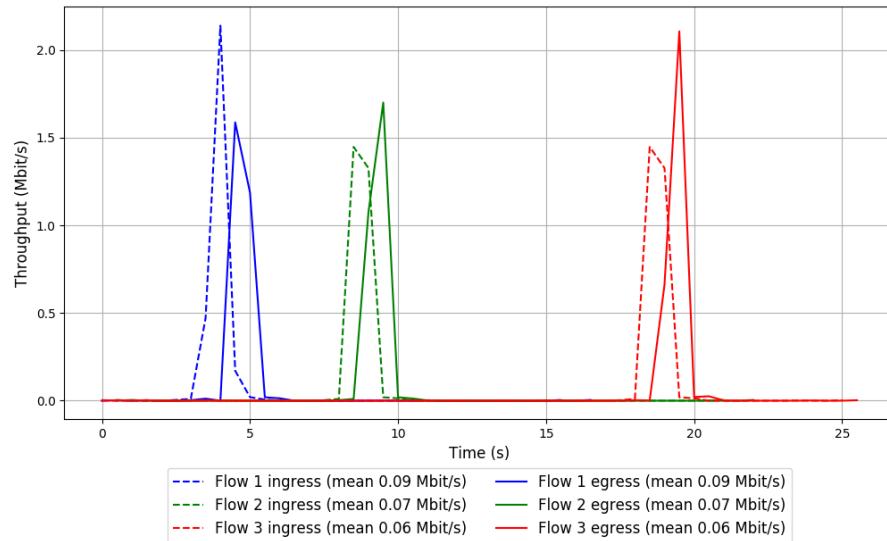


```
Run 1: Statistics of WebRTC media
```

```
Start at: 2019-11-24 03:49:55
End at: 2019-11-24 03:50:25
Local clock offset: 0.049 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2019-11-24 09:55:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 110.241 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 109.115 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 107.063 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 110.286 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

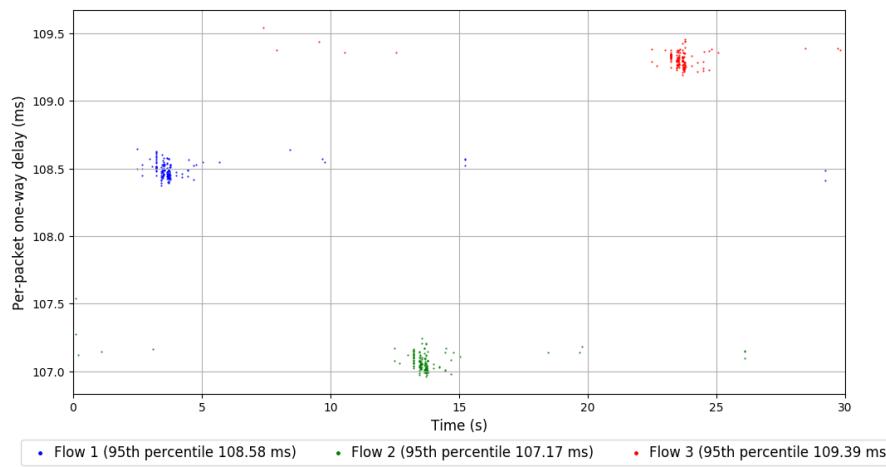
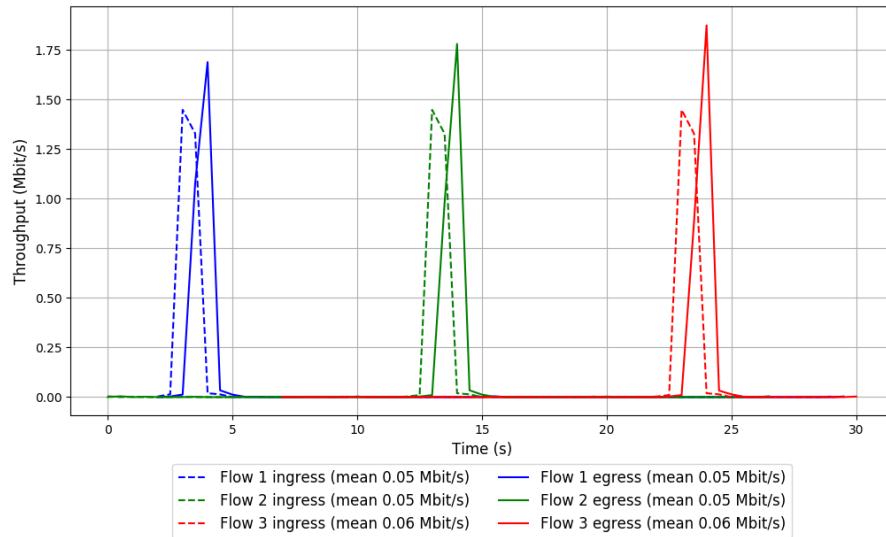


Run 2: Statistics of WebRTC media

```
Start at: 2019-11-24 04:32:28
End at: 2019-11-24 04:32:58
Local clock offset: -0.01 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2019-11-24 09:55:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 108.582 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 107.173 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 109.390 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

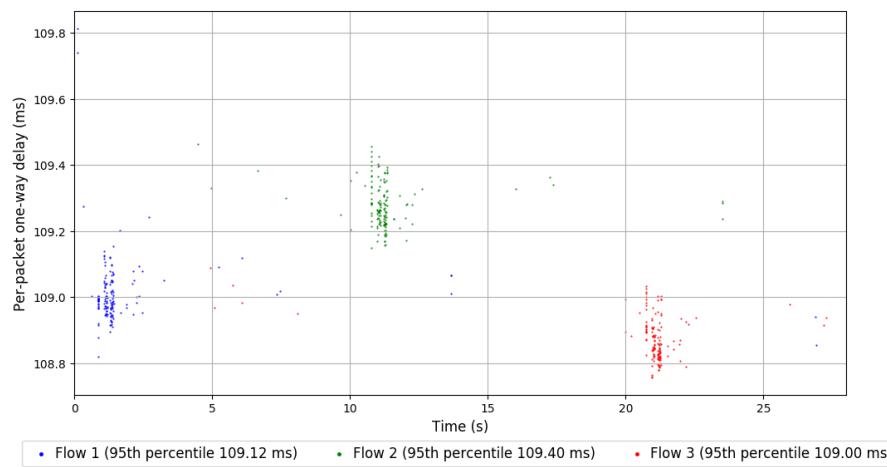
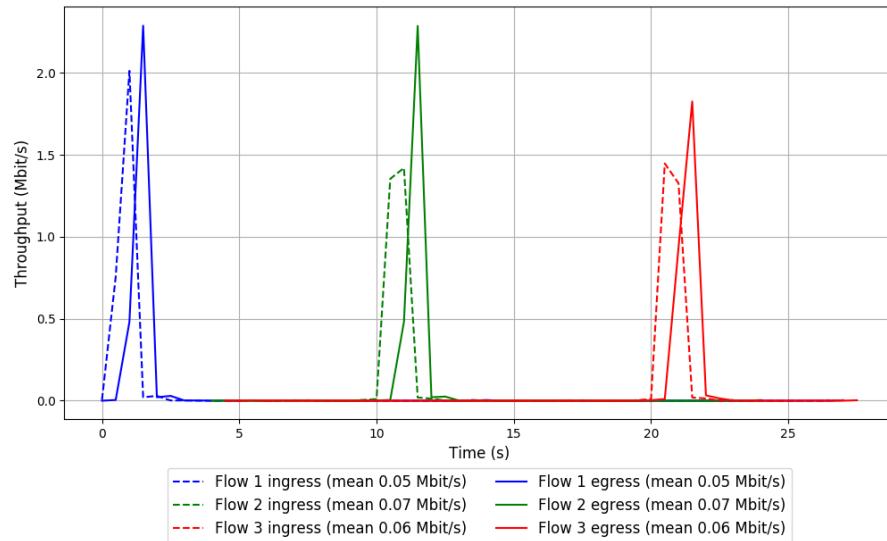


Run 3: Statistics of WebRTC media

```
Start at: 2019-11-24 05:15:12
End at: 2019-11-24 05:15:42
Local clock offset: -0.068 ms
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2019-11-24 09:55:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 109.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.123 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 109.397 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 109.003 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

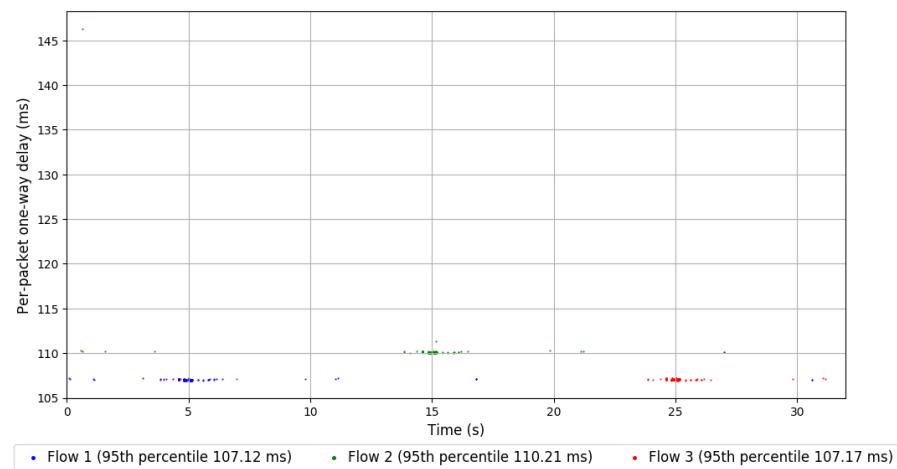
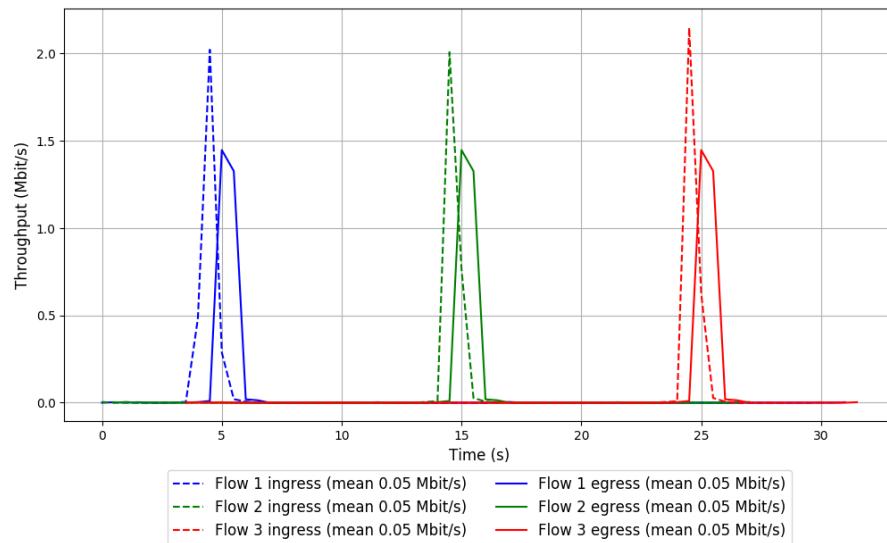


Run 4: Statistics of WebRTC media

```
Start at: 2019-11-24 05:57:08
End at: 2019-11-24 05:57:38
Local clock offset: 0.237 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2019-11-24 09:55:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 110.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 107.125 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 110.207 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 107.165 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-11-24 06:39:20
End at: 2019-11-24 06:39:50
Local clock offset: -0.108 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2019-11-24 09:55:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 111.452 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 111.504 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 106.833 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 108.795 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

