

Pantheon Report

Generated at 2019-11-24 21:08:52 (UTC).
Data path: GCE London on `ens4` (*remote*) → GCE Sydney 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:

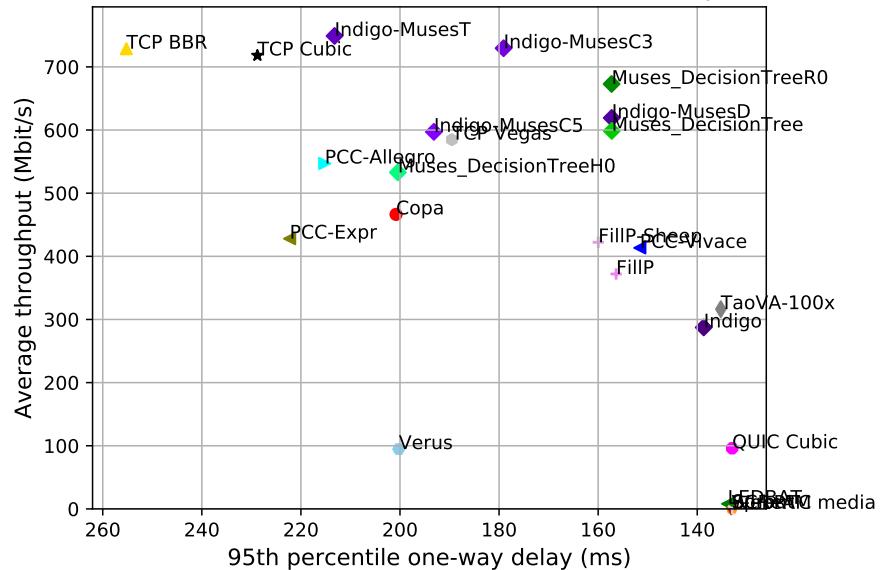
```
Linux 4.15.0-1044-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

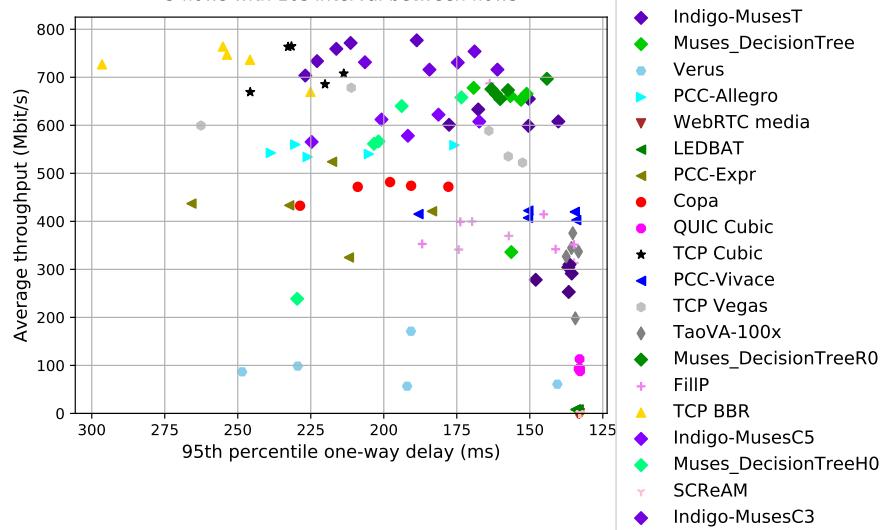
```
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec
third_party/fillp @ d6da1459332fce6963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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 Sydney, 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 Sydney, 5 runs of 30s each per scheme
3 flows with 10s interval between flows



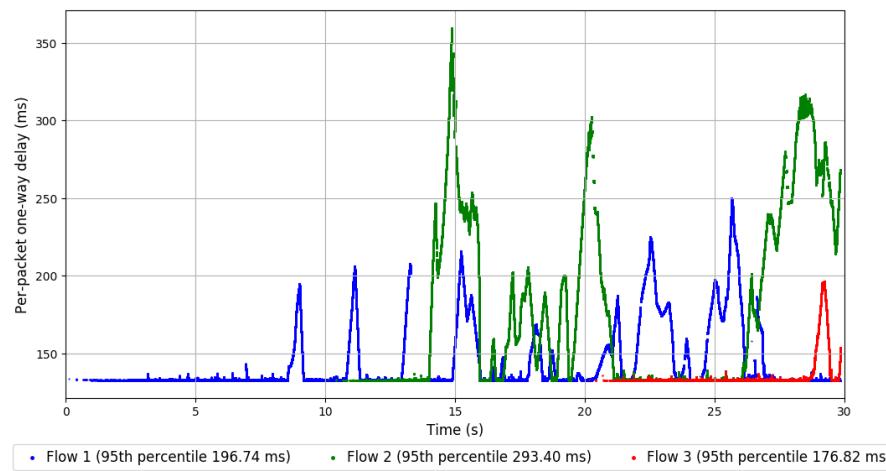
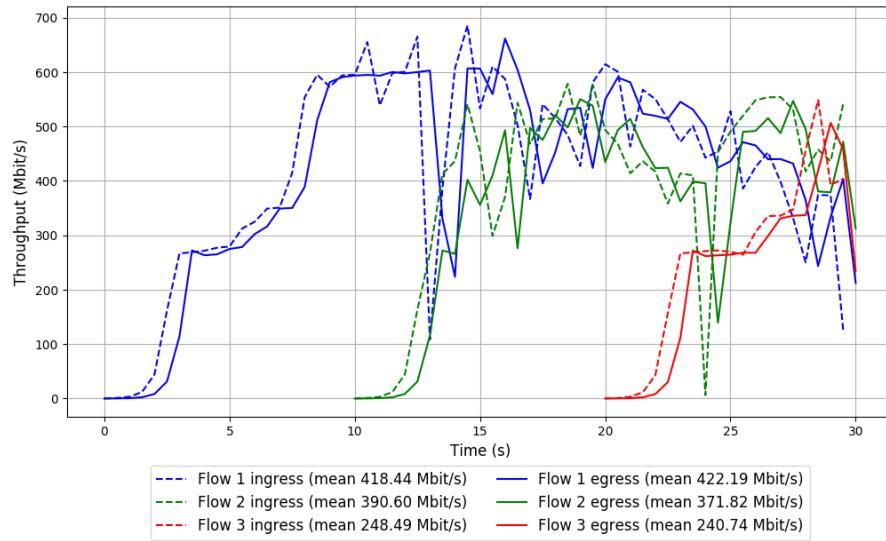
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	417.68	347.58	246.99	235.08	255.34	202.14	1.27	4.61	5.16
Copa		263.21	217.92	180.11	204.55	181.56	192.00	0.98	1.49	3.80
TCP Cubic		408.50	359.75	217.41	238.39	211.78	147.22	1.08	1.86	4.03
FillP		86.71	313.00	240.75	165.02	137.10	136.41	0.60	1.11	3.09
FillP-Sheep		147.70	304.87	223.95	174.21	135.98	136.06	1.08	1.25	3.16
Indigo		149.67	149.35	119.75	137.72	138.39	143.00	0.90	1.38	3.36
Indigo-MusesC3		439.61	356.31	251.92	183.86	171.56	138.15	0.58	1.35	4.89
Indigo-MusesC5		365.94	329.10	90.74	204.28	156.32	133.79	0.74	1.78	6.52
Indigo-MusesD		391.55	327.78	81.20	161.61	147.35	134.17	0.91	1.00	5.31
Indigo-MusesT		474.66	375.92	145.76	218.20	182.71	140.45	1.01	1.32	5.14
LEDBAT		5.22	3.44	1.66	133.87	133.60	133.63	1.79	2.69	5.42
Muses_DecisionTree		321.71	333.17	184.66	155.68	150.84	138.99	0.92	1.10	4.81
Muses_DecisionTreeH0		280.78	293.47	189.58	190.56	193.25	136.45	1.39	2.15	5.69
Muses_DecisionTreeR0		408.49	321.26	170.46	160.54	144.10	136.11	0.78	1.29	5.13
PCC-Allegro		295.22	269.72	226.72	196.59	223.16	214.49	1.84	2.50	3.81
PCC-Expr		257.08	193.51	132.14	227.06	166.75	216.17	2.57	1.89	3.82
QUIC Cubic		47.60	49.14	46.85	132.94	132.63	132.95	1.41	1.90	3.11
SCReAM		0.15	0.15	0.17	132.91	132.85	132.50	0.88	1.39	2.48
Sprout		0.65	0.65	0.63	132.74	132.88	132.74	0.85	1.52	2.90
TaoVA-100x		155.98	186.59	112.54	134.89	134.70	136.55	0.96	1.55	3.95
TCP Vegas		310.65	297.74	234.70	163.38	186.44	171.02	0.88	1.52	3.61
Verus		36.19	73.65	32.61	186.50	203.32	147.01	0.70	2.18	5.91
PCC-Vivace		264.52	177.11	97.62	174.93	137.40	141.12	1.07	1.88	4.35
WebRTC media		0.05	0.07	0.06	133.04	133.07	133.10	0.01	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-11-24 15:27:56
End at: 2019-11-24 15:28:26
Local clock offset: -0.072 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2019-11-24 18:58:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 747.12 Mbit/s
95th percentile per-packet one-way delay: 253.693 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 422.19 Mbit/s
95th percentile per-packet one-way delay: 196.744 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 371.82 Mbit/s
95th percentile per-packet one-way delay: 293.404 ms
Loss rate: 6.08%
-- Flow 3:
Average throughput: 240.74 Mbit/s
95th percentile per-packet one-way delay: 176.823 ms
Loss rate: 5.71%
```

Run 1: Report of TCP BBR — Data Link

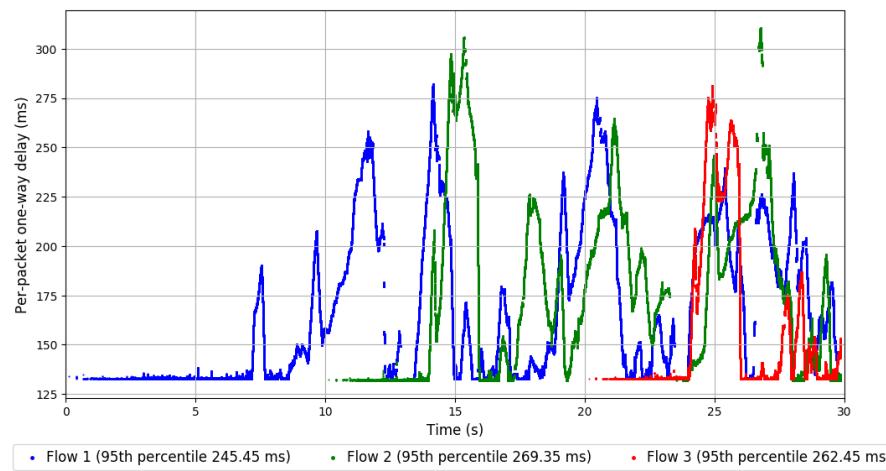
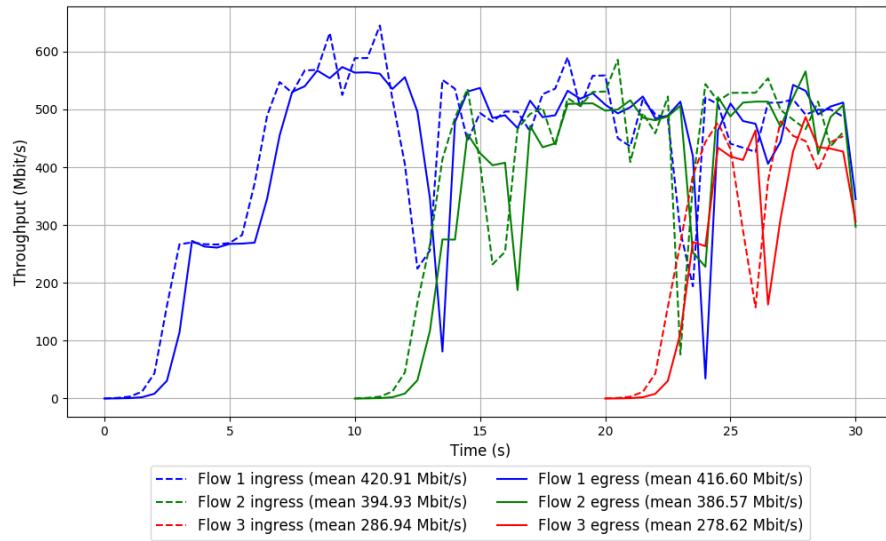


Run 2: Statistics of TCP BBR

```
Start at: 2019-11-24 16:11:16
End at: 2019-11-24 16:11:46
Local clock offset: -0.083 ms
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2019-11-24 18:58:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 763.95 Mbit/s
95th percentile per-packet one-way delay: 255.076 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 416.60 Mbit/s
95th percentile per-packet one-way delay: 245.452 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 386.57 Mbit/s
95th percentile per-packet one-way delay: 269.354 ms
Loss rate: 3.42%
-- Flow 3:
Average throughput: 278.62 Mbit/s
95th percentile per-packet one-way delay: 262.450 ms
Loss rate: 5.50%
```

Run 2: Report of TCP BBR — Data Link

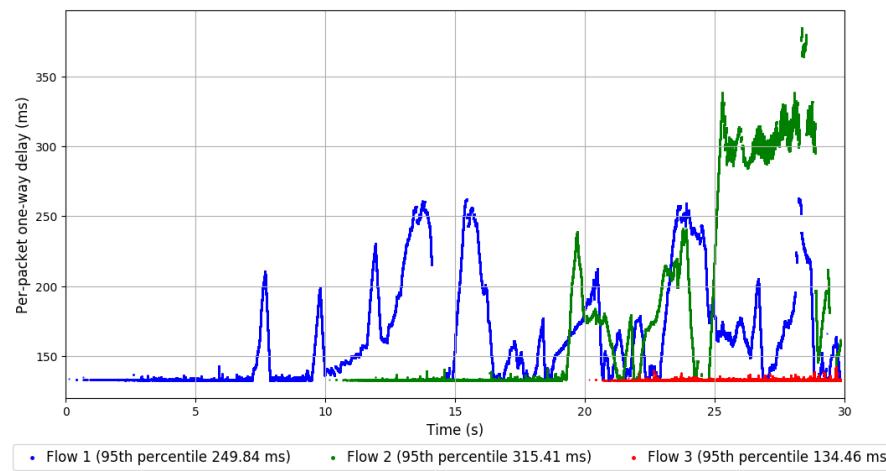
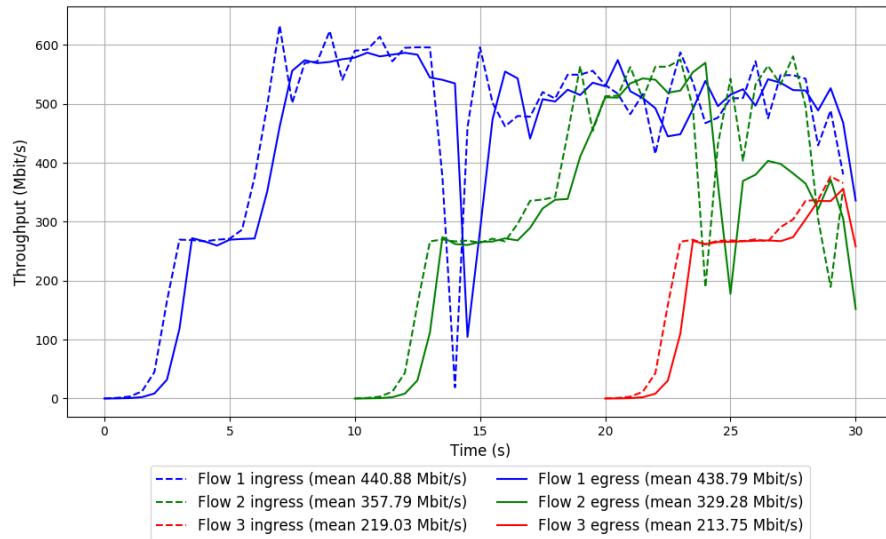


Run 3: Statistics of TCP BBR

```
Start at: 2019-11-24 16:54:44
End at: 2019-11-24 16:55:14
Local clock offset: -0.019 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2019-11-24 18:58:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 726.90 Mbit/s
95th percentile per-packet one-way delay: 296.471 ms
Loss rate: 4.21%
-- Flow 1:
Average throughput: 438.79 Mbit/s
95th percentile per-packet one-way delay: 249.839 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 329.28 Mbit/s
95th percentile per-packet one-way delay: 315.411 ms
Loss rate: 9.20%
-- Flow 3:
Average throughput: 213.75 Mbit/s
95th percentile per-packet one-way delay: 134.460 ms
Loss rate: 5.03%
```

Run 3: Report of TCP BBR — Data Link

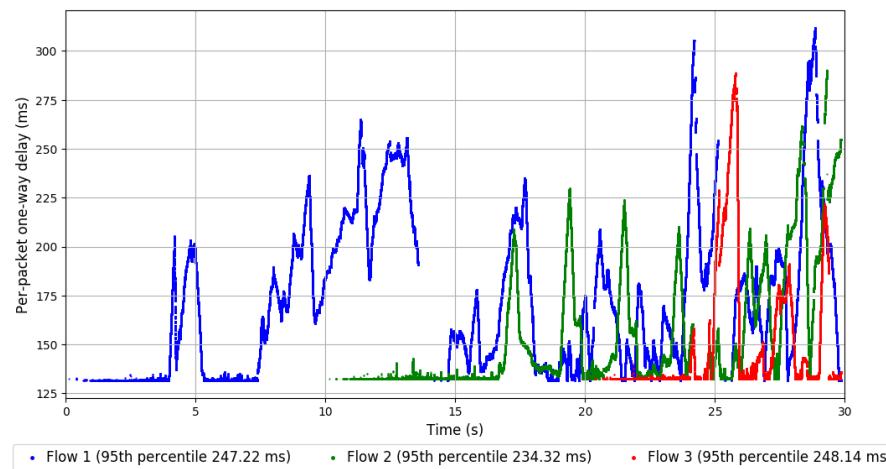
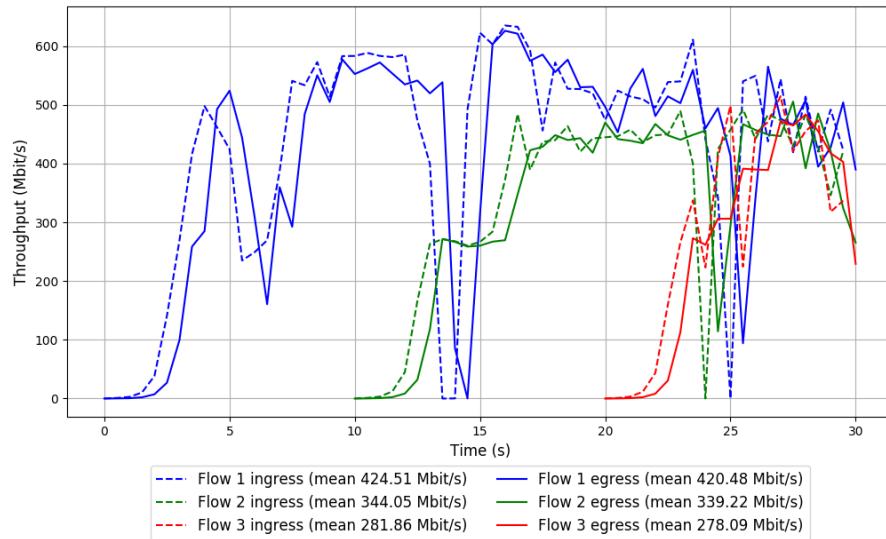


Run 4: Statistics of TCP BBR

```
Start at: 2019-11-24 17:37:35
End at: 2019-11-24 17:38:05
Local clock offset: -0.13 ms
Remote clock offset: 0.366 ms

# Below is generated by plot.py at 2019-11-24 18:58:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 736.31 Mbit/s
95th percentile per-packet one-way delay: 245.803 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 420.48 Mbit/s
95th percentile per-packet one-way delay: 247.217 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 339.22 Mbit/s
95th percentile per-packet one-way delay: 234.317 ms
Loss rate: 2.72%
-- Flow 3:
Average throughput: 278.09 Mbit/s
95th percentile per-packet one-way delay: 248.141 ms
Loss rate: 3.97%
```

Run 4: Report of TCP BBR — Data Link

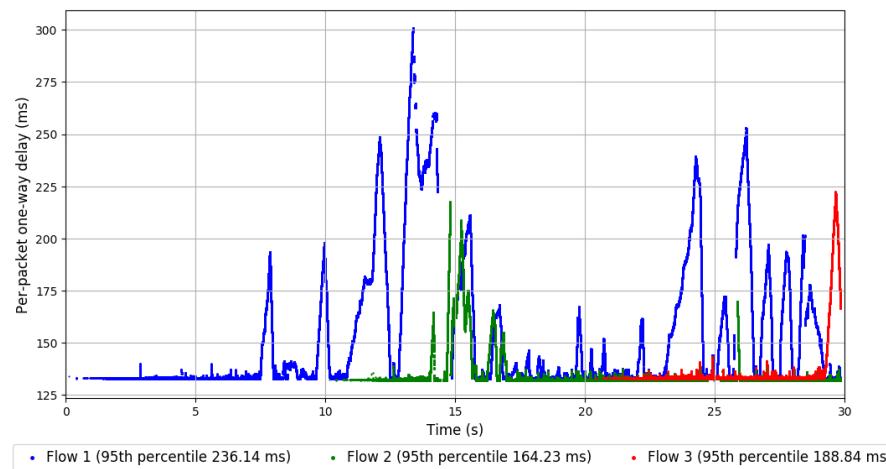
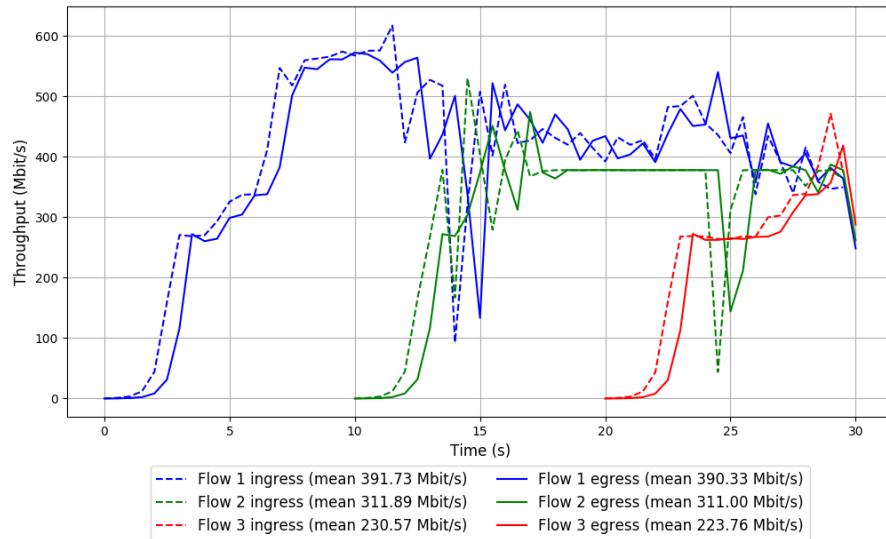


Run 5: Statistics of TCP BBR

```
Start at: 2019-11-24 18:20:48
End at: 2019-11-24 18:21:18
Local clock offset: -0.063 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2019-11-24 18:58:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 669.59 Mbit/s
95th percentile per-packet one-way delay: 225.111 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 390.33 Mbit/s
95th percentile per-packet one-way delay: 236.141 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 311.00 Mbit/s
95th percentile per-packet one-way delay: 164.234 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 223.76 Mbit/s
95th percentile per-packet one-way delay: 188.843 ms
Loss rate: 5.59%
```

Run 5: Report of TCP BBR — Data Link

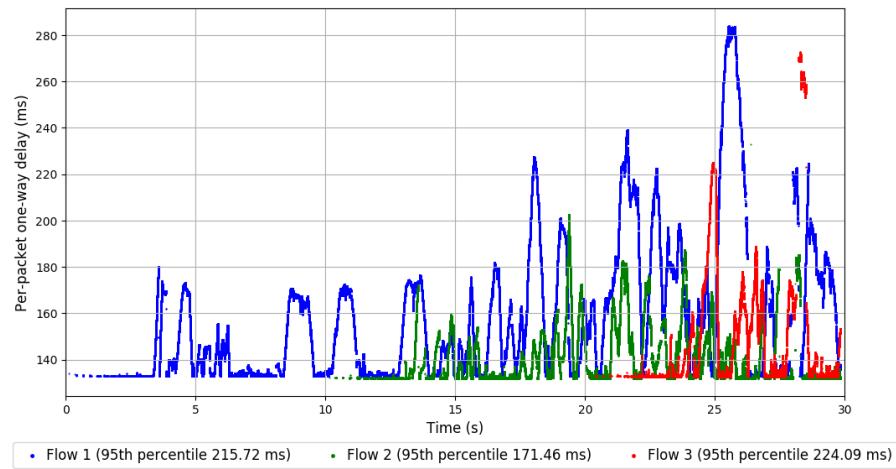
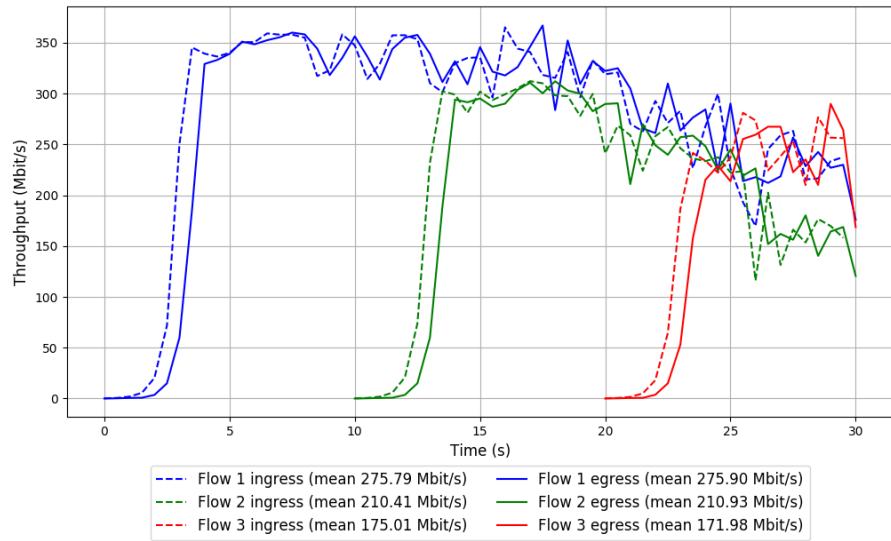


Run 1: Statistics of Copa

```
Start at: 2019-11-24 14:54:43
End at: 2019-11-24 14:55:13
Local clock offset: -0.088 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2019-11-24 19:00:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 471.81 Mbit/s
95th percentile per-packet one-way delay: 208.922 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 275.90 Mbit/s
95th percentile per-packet one-way delay: 215.716 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 210.93 Mbit/s
95th percentile per-packet one-way delay: 171.463 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 171.98 Mbit/s
95th percentile per-packet one-way delay: 224.086 ms
Loss rate: 4.37%
```

Run 1: Report of Copa — Data Link

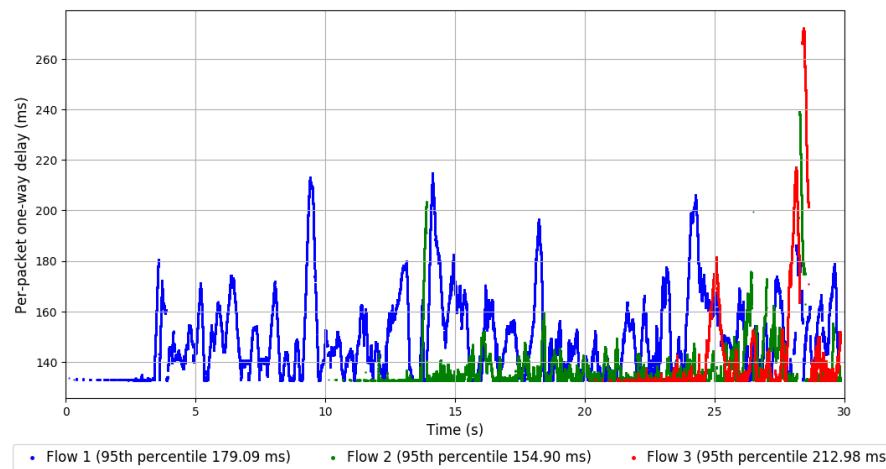
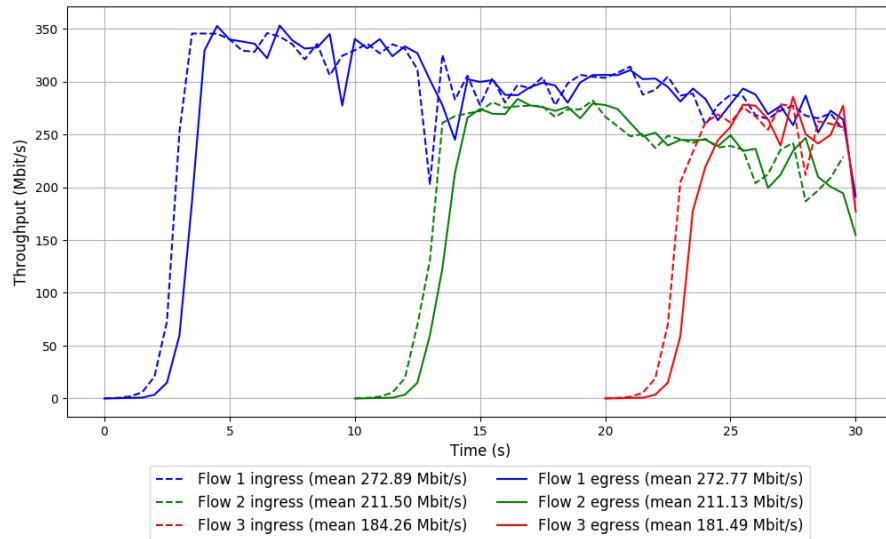


Run 2: Statistics of Copa

```
Start at: 2019-11-24 15:37:43
End at: 2019-11-24 15:38:13
Local clock offset: -0.034 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2019-11-24 19:00:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 471.98 Mbit/s
95th percentile per-packet one-way delay: 177.879 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 272.77 Mbit/s
95th percentile per-packet one-way delay: 179.088 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 211.13 Mbit/s
95th percentile per-packet one-way delay: 154.900 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 181.49 Mbit/s
95th percentile per-packet one-way delay: 212.983 ms
Loss rate: 4.13%
```

Run 2: Report of Copa — Data Link

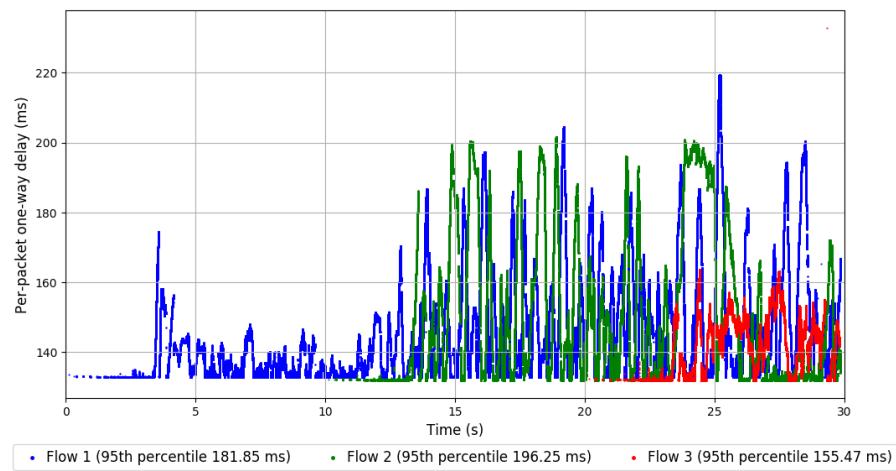
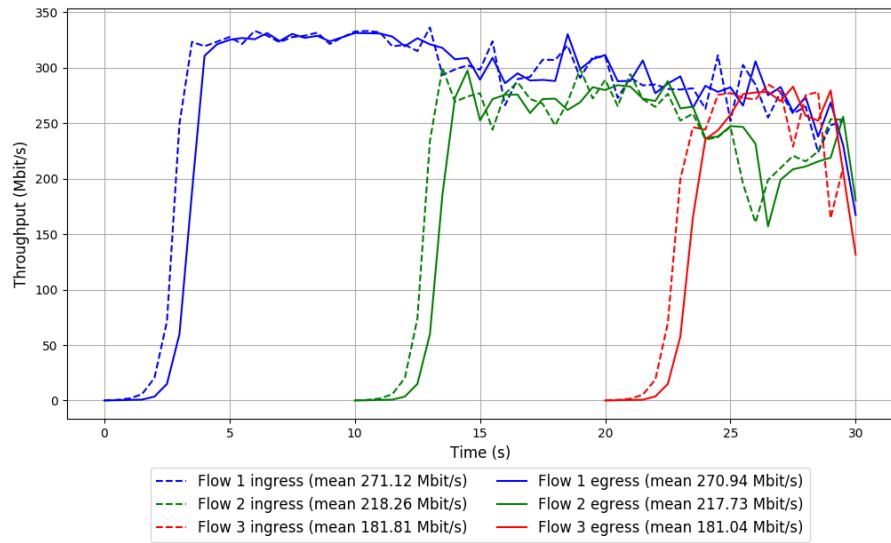


Run 3: Statistics of Copa

```
Start at: 2019-11-24 16:21:16
End at: 2019-11-24 16:21:46
Local clock offset: -0.15 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2019-11-24 19:01:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 474.08 Mbit/s
95th percentile per-packet one-way delay: 190.642 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 270.94 Mbit/s
95th percentile per-packet one-way delay: 181.854 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 217.73 Mbit/s
95th percentile per-packet one-way delay: 196.254 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 181.04 Mbit/s
95th percentile per-packet one-way delay: 155.474 ms
Loss rate: 3.15%
```

Run 3: Report of Copa — Data Link

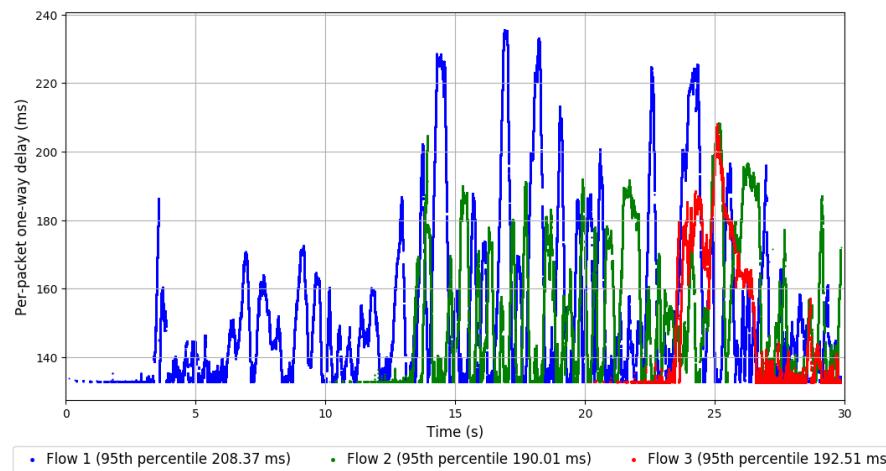
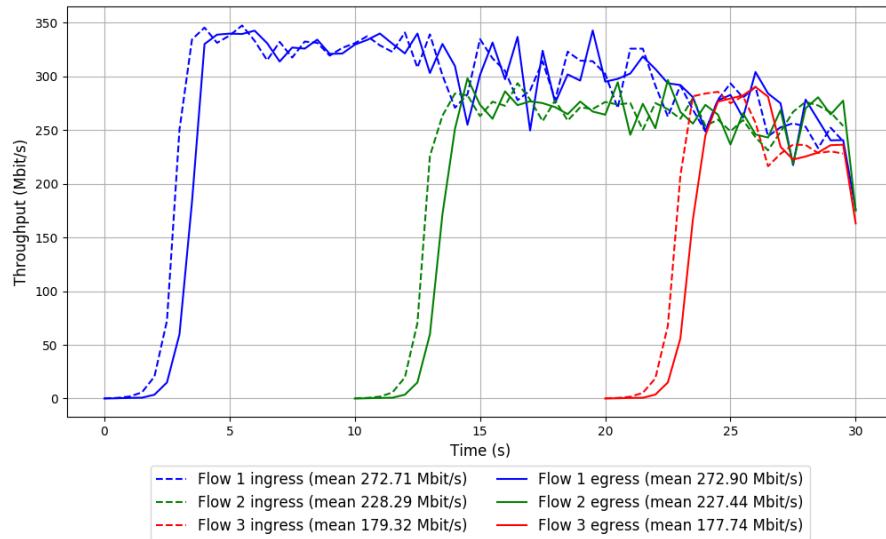


Run 4: Statistics of Copa

```
Start at: 2019-11-24 17:04:25
End at: 2019-11-24 17:04:55
Local clock offset: -0.124 ms
Remote clock offset: -0.087 ms

# Below is generated by plot.py at 2019-11-24 19:14:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 481.71 Mbit/s
95th percentile per-packet one-way delay: 197.847 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 272.90 Mbit/s
95th percentile per-packet one-way delay: 208.372 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 227.44 Mbit/s
95th percentile per-packet one-way delay: 190.008 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 177.74 Mbit/s
95th percentile per-packet one-way delay: 192.507 ms
Loss rate: 3.53%
```

Run 4: Report of Copa — Data Link

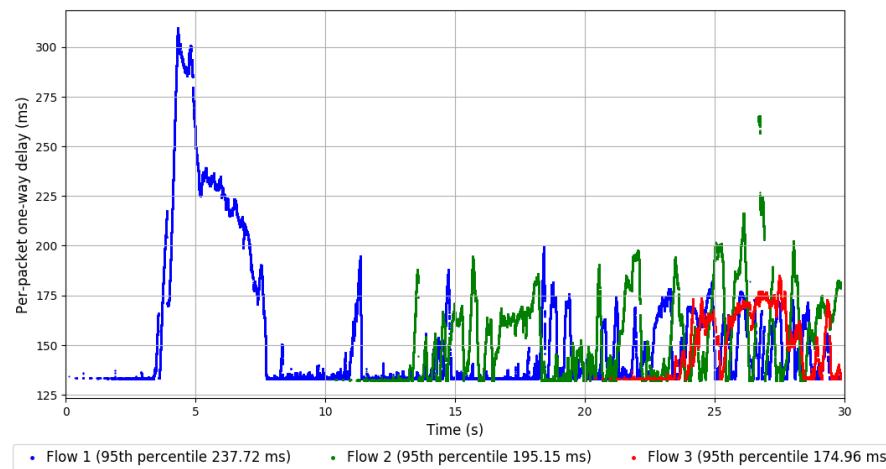
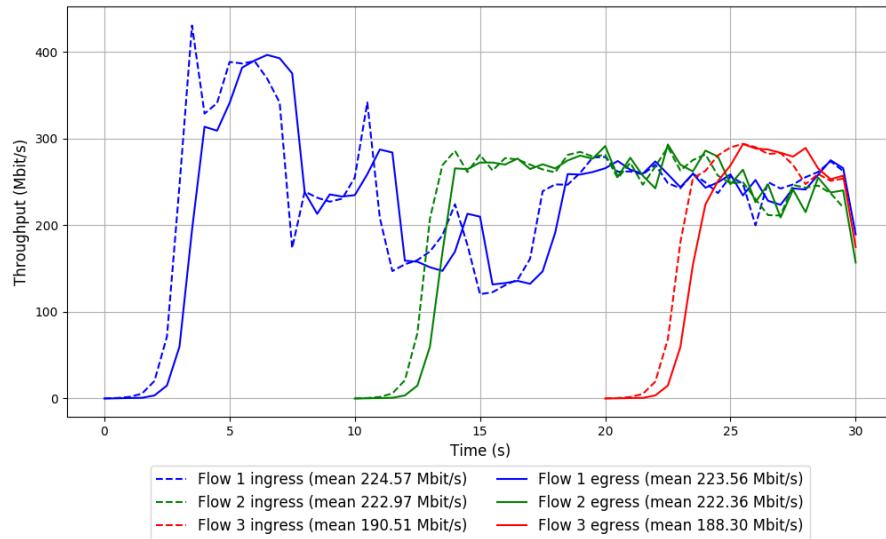


Run 5: Statistics of Copa

```
Start at: 2019-11-24 17:47:05
End at: 2019-11-24 17:47:35
Local clock offset: 0.228 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2019-11-24 19:14:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 432.48 Mbit/s
95th percentile per-packet one-way delay: 228.669 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 223.56 Mbit/s
95th percentile per-packet one-way delay: 237.716 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 222.36 Mbit/s
95th percentile per-packet one-way delay: 195.153 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 188.30 Mbit/s
95th percentile per-packet one-way delay: 174.959 ms
Loss rate: 3.80%
```

Run 5: Report of Copa — Data Link

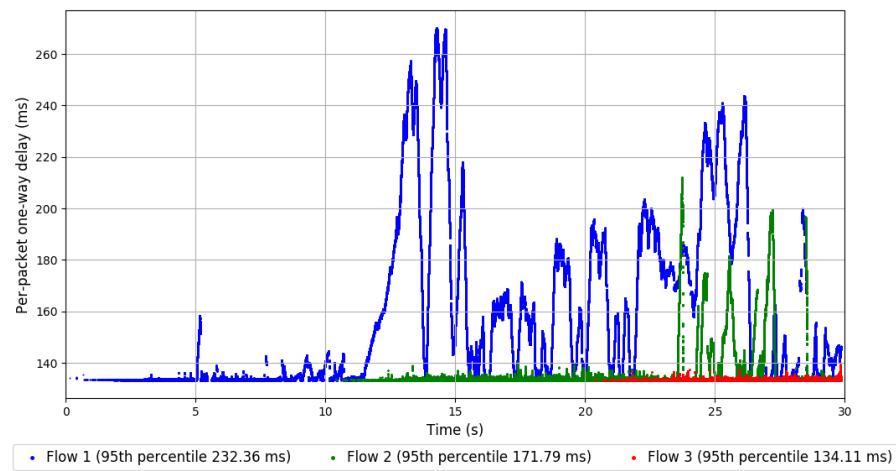
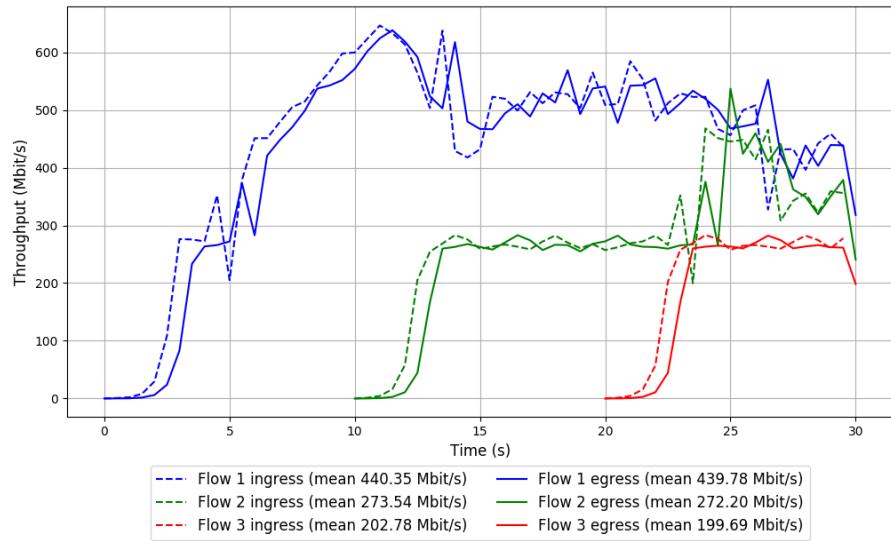


Run 1: Statistics of TCP Cubic

```
Start at: 2019-11-24 15:10:00
End at: 2019-11-24 15:10:30
Local clock offset: 0.249 ms
Remote clock offset: 0.101 ms

# Below is generated by plot.py at 2019-11-24 19:14:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 685.53 Mbit/s
95th percentile per-packet one-way delay: 220.115 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 439.78 Mbit/s
95th percentile per-packet one-way delay: 232.359 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 272.20 Mbit/s
95th percentile per-packet one-way delay: 171.795 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 199.69 Mbit/s
95th percentile per-packet one-way delay: 134.107 ms
Loss rate: 4.15%
```

Run 1: Report of TCP Cubic — Data Link

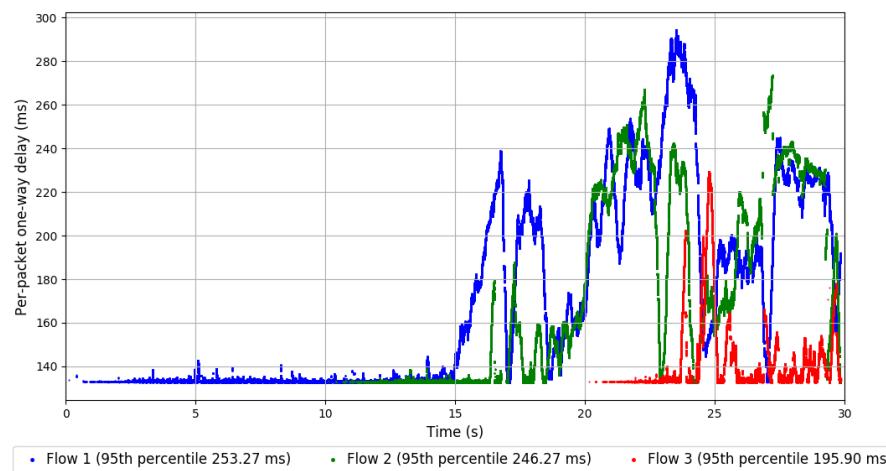
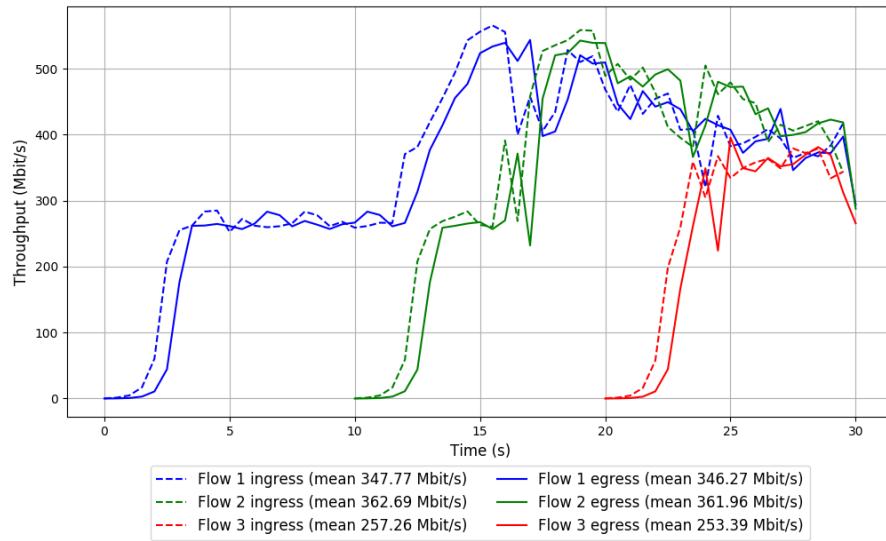


Run 2: Statistics of TCP Cubic

```
Start at: 2019-11-24 15:53:12
End at: 2019-11-24 15:53:42
Local clock offset: -0.089 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2019-11-24 19:14:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 669.18 Mbit/s
95th percentile per-packet one-way delay: 245.734 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 346.27 Mbit/s
95th percentile per-packet one-way delay: 253.269 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 361.96 Mbit/s
95th percentile per-packet one-way delay: 246.268 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 253.39 Mbit/s
95th percentile per-packet one-way delay: 195.898 ms
Loss rate: 4.12%
```

Run 2: Report of TCP Cubic — Data Link

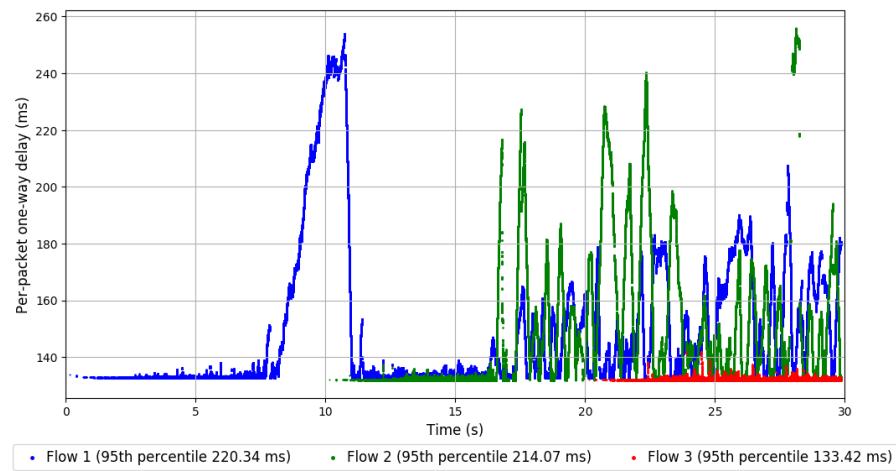
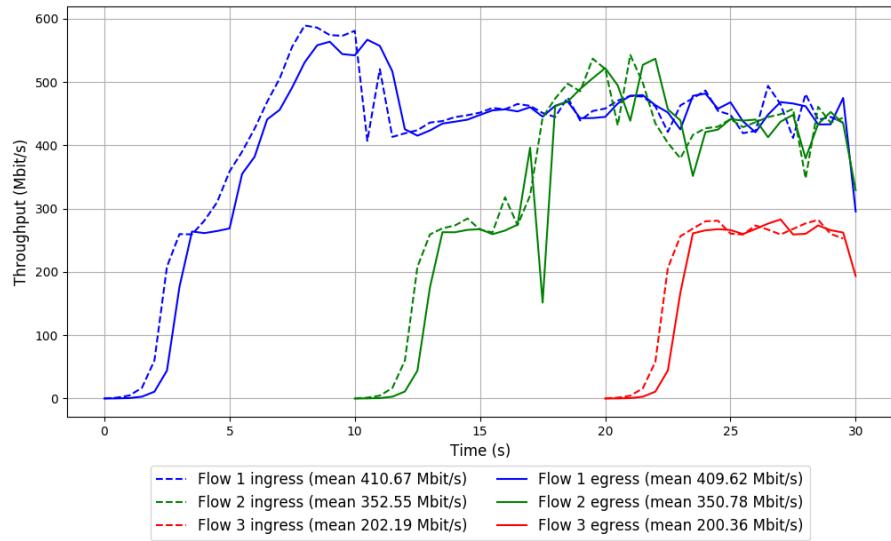


Run 3: Statistics of TCP Cubic

```
Start at: 2019-11-24 16:36:30
End at: 2019-11-24 16:37:00
Local clock offset: -0.102 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2019-11-24 19:14:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 707.70 Mbit/s
95th percentile per-packet one-way delay: 213.711 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 409.62 Mbit/s
95th percentile per-packet one-way delay: 220.341 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 350.78 Mbit/s
95th percentile per-packet one-way delay: 214.069 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 200.36 Mbit/s
95th percentile per-packet one-way delay: 133.422 ms
Loss rate: 3.54%
```

Run 3: Report of TCP Cubic — Data Link

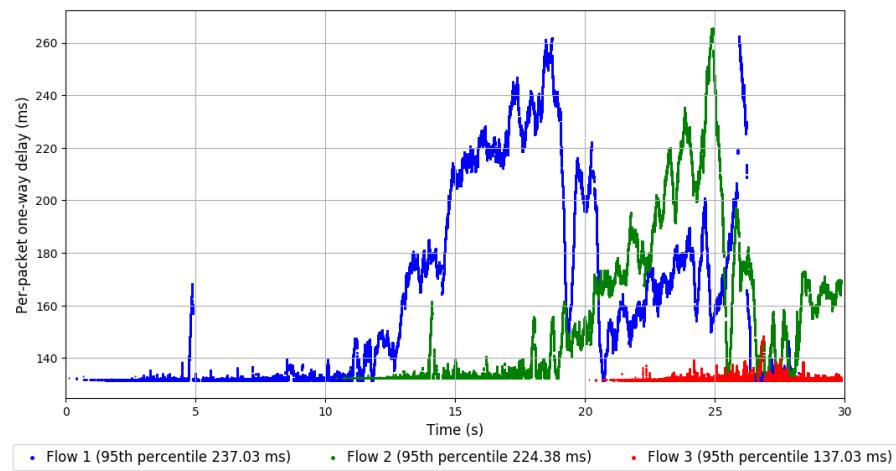
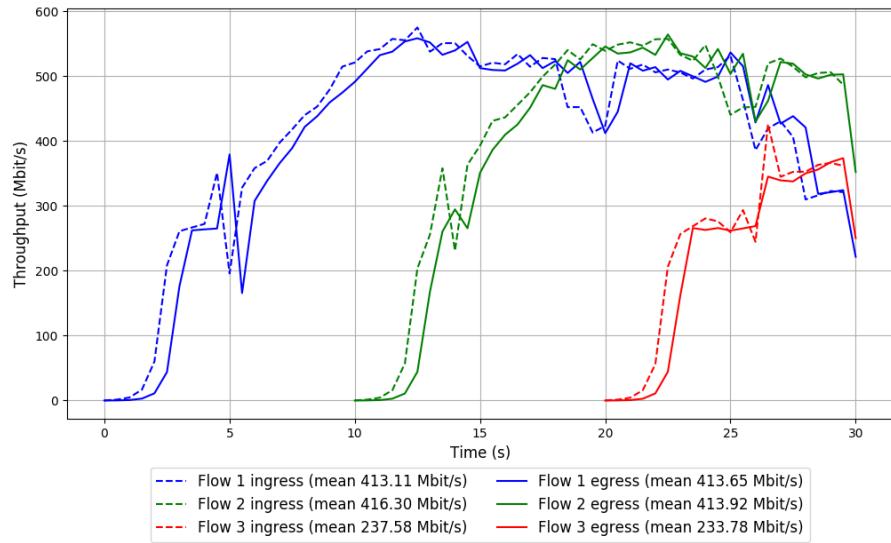


Run 4: Statistics of TCP Cubic

```
Start at: 2019-11-24 17:19:51
End at: 2019-11-24 17:20:21
Local clock offset: -0.113 ms
Remote clock offset: 0.322 ms

# Below is generated by plot.py at 2019-11-24 19:15:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 764.46 Mbit/s
95th percentile per-packet one-way delay: 231.617 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 413.65 Mbit/s
95th percentile per-packet one-way delay: 237.033 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 413.92 Mbit/s
95th percentile per-packet one-way delay: 224.378 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 233.78 Mbit/s
95th percentile per-packet one-way delay: 137.025 ms
Loss rate: 4.21%
```

Run 4: Report of TCP Cubic — Data Link

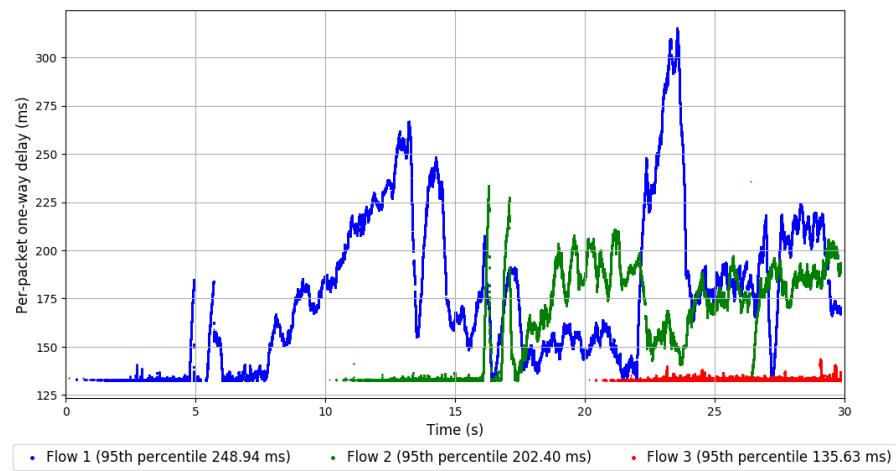
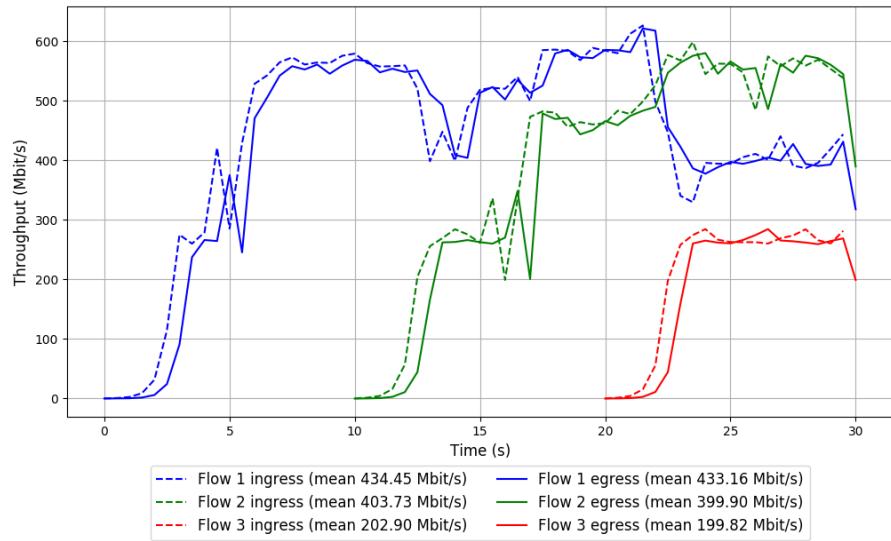


Run 5: Statistics of TCP Cubic

```
Start at: 2019-11-24 18:02:57
End at: 2019-11-24 18:03:27
Local clock offset: -0.118 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2019-11-24 19:15:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 763.52 Mbit/s
95th percentile per-packet one-way delay: 232.742 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 433.16 Mbit/s
95th percentile per-packet one-way delay: 248.939 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 399.90 Mbit/s
95th percentile per-packet one-way delay: 202.400 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 199.82 Mbit/s
95th percentile per-packet one-way delay: 135.628 ms
Loss rate: 4.13%
```

Run 5: Report of TCP Cubic — Data Link

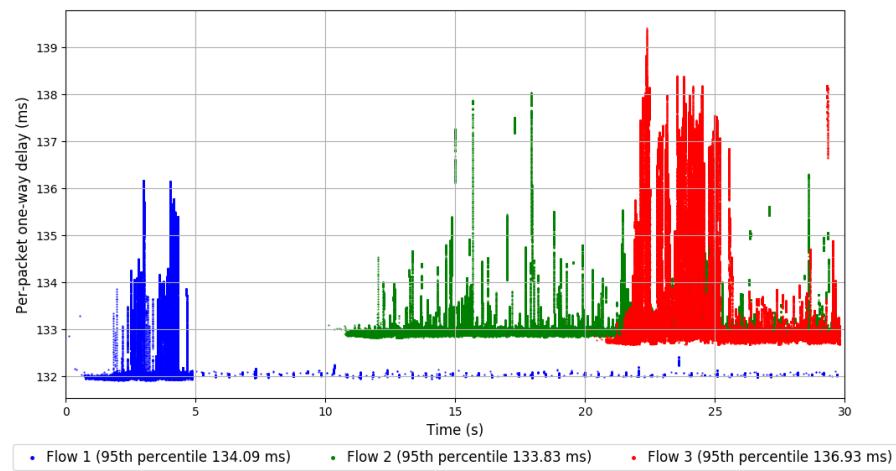
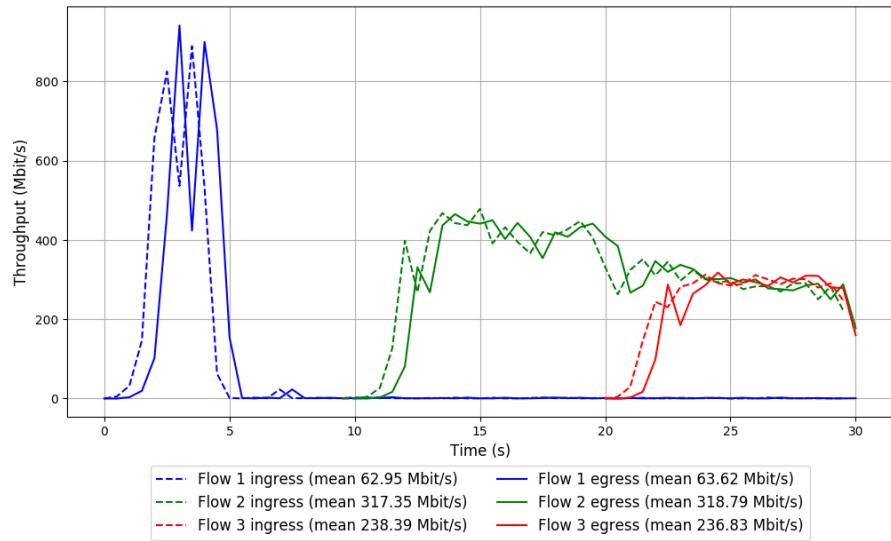


```
Run 1: Statistics of FillP

Start at: 2019-11-24 15:01:33
End at: 2019-11-24 15:02:03
Local clock offset: -0.099 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2019-11-24 19:15:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 351.65 Mbit/s
95th percentile per-packet one-way delay: 134.877 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 63.62 Mbit/s
95th percentile per-packet one-way delay: 134.090 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 318.79 Mbit/s
95th percentile per-packet one-way delay: 133.829 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 236.83 Mbit/s
95th percentile per-packet one-way delay: 136.929 ms
Loss rate: 3.46%
```

Run 1: Report of FillP — Data Link

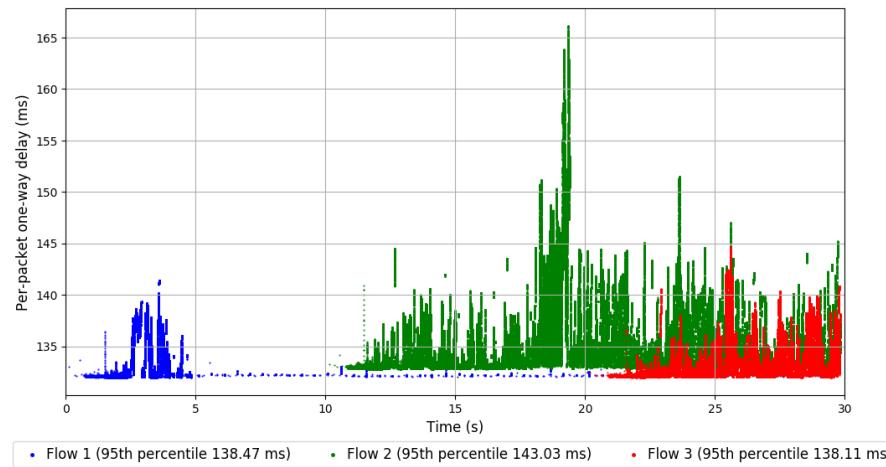
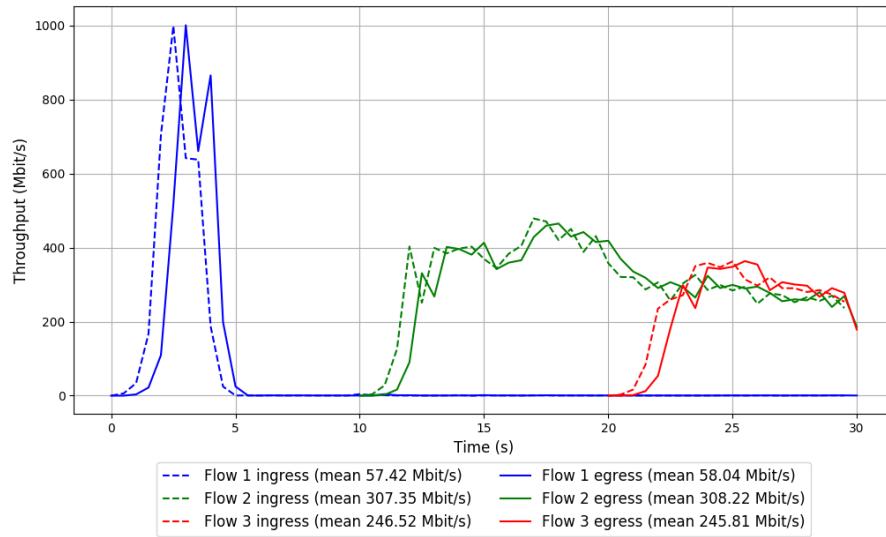


Run 2: Statistics of FillP

```
Start at: 2019-11-24 15:44:36
End at: 2019-11-24 15:45:06
Local clock offset: -0.043 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2019-11-24 19:17:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 341.96 Mbit/s
95th percentile per-packet one-way delay: 141.152 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 58.04 Mbit/s
95th percentile per-packet one-way delay: 138.475 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 308.22 Mbit/s
95th percentile per-packet one-way delay: 143.033 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 245.81 Mbit/s
95th percentile per-packet one-way delay: 138.110 ms
Loss rate: 3.06%
```

Run 2: Report of FillP — Data Link

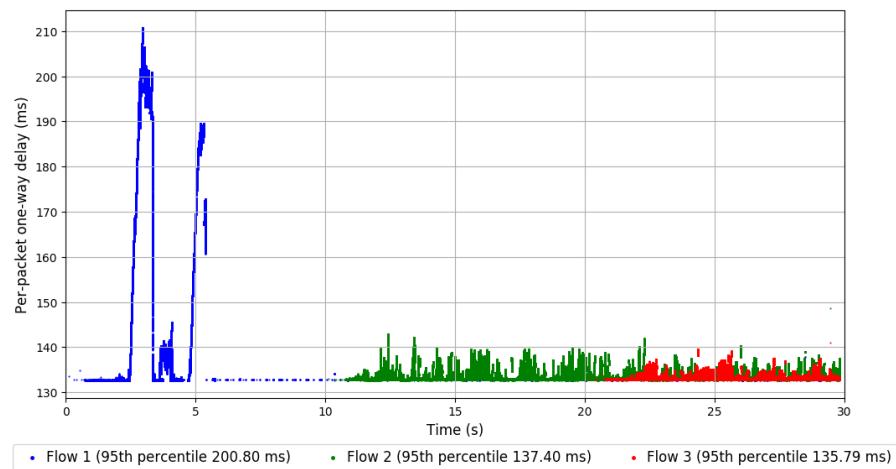
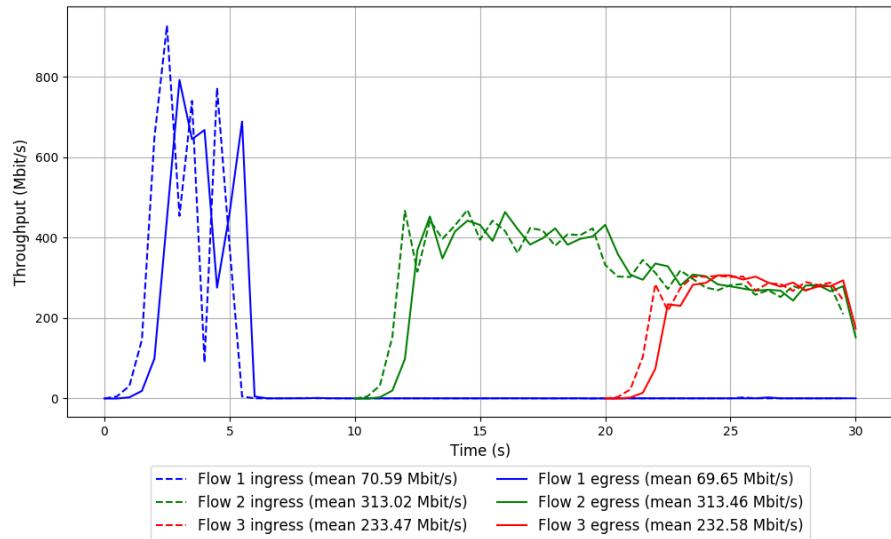


Run 3: Statistics of FillP

```
Start at: 2019-11-24 16:27:57
End at: 2019-11-24 16:28:27
Local clock offset: -0.068 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2019-11-24 19:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 352.96 Mbit/s
95th percentile per-packet one-way delay: 186.833 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 69.65 Mbit/s
95th percentile per-packet one-way delay: 200.802 ms
Loss rate: 2.28%
-- Flow 2:
Average throughput: 313.46 Mbit/s
95th percentile per-packet one-way delay: 137.404 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 232.58 Mbit/s
95th percentile per-packet one-way delay: 135.795 ms
Loss rate: 3.21%
```

Run 3: Report of FillP — Data Link

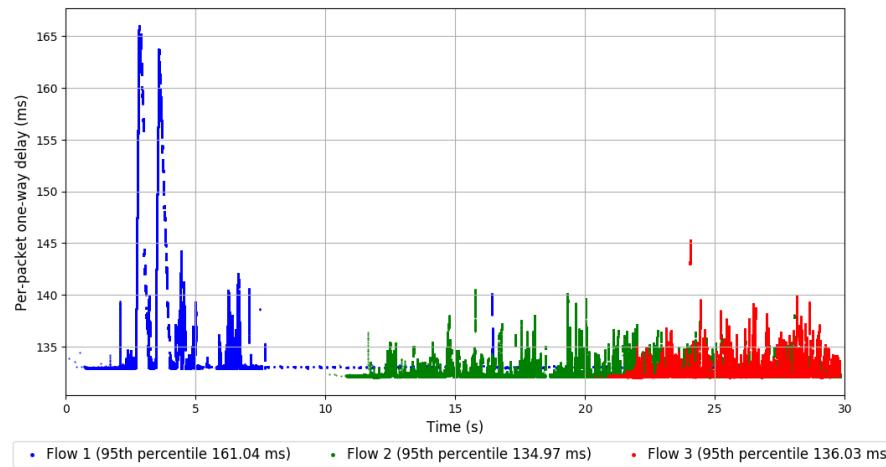
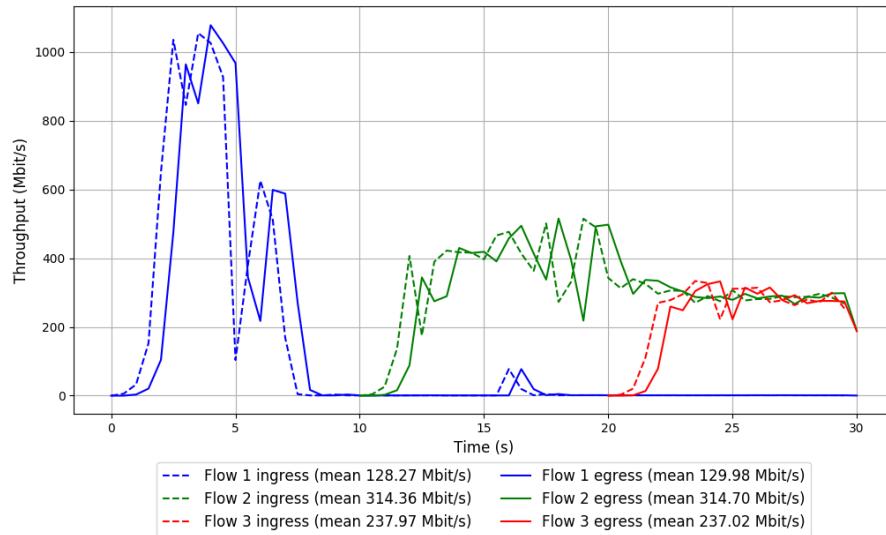


Run 4: Statistics of FillP

```
Start at: 2019-11-24 17:11:18
End at: 2019-11-24 17:11:48
Local clock offset: -0.053 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2019-11-24 19:21:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 414.59 Mbit/s
95th percentile per-packet one-way delay: 145.227 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 129.98 Mbit/s
95th percentile per-packet one-way delay: 161.045 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 314.70 Mbit/s
95th percentile per-packet one-way delay: 134.968 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 237.02 Mbit/s
95th percentile per-packet one-way delay: 136.032 ms
Loss rate: 3.25%
```

Run 4: Report of FillP — Data Link

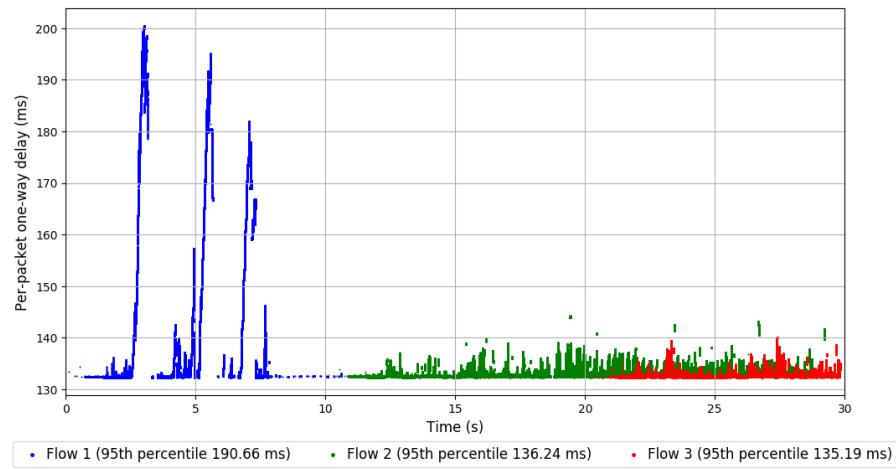
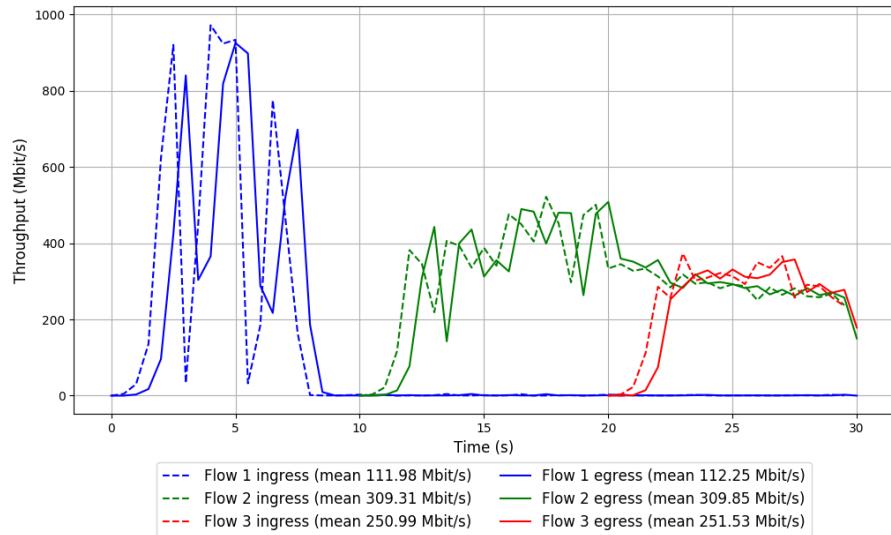


Run 5: Statistics of FillP

```
Start at: 2019-11-24 17:53:58
End at: 2019-11-24 17:54:28
Local clock offset: 0.229 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2019-11-24 19:21:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.94 Mbit/s
95th percentile per-packet one-way delay: 173.791 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 112.25 Mbit/s
95th percentile per-packet one-way delay: 190.665 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 309.85 Mbit/s
95th percentile per-packet one-way delay: 136.244 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 251.53 Mbit/s
95th percentile per-packet one-way delay: 135.192 ms
Loss rate: 2.48%
```

Run 5: Report of FillP — Data Link

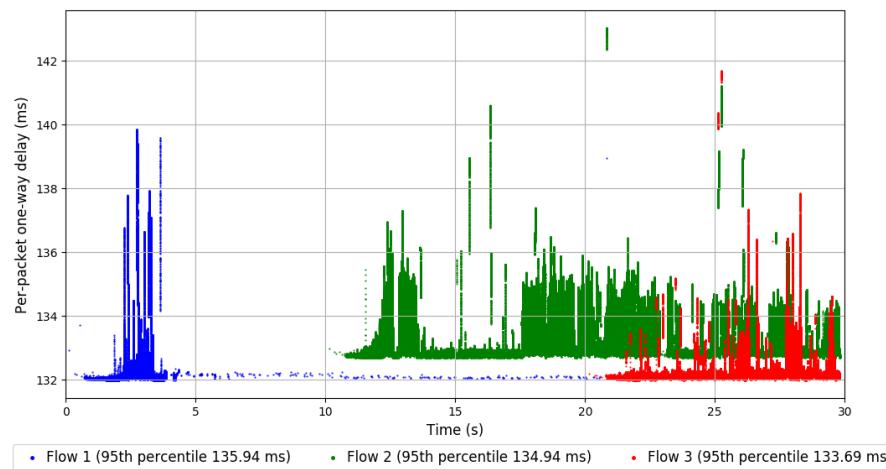
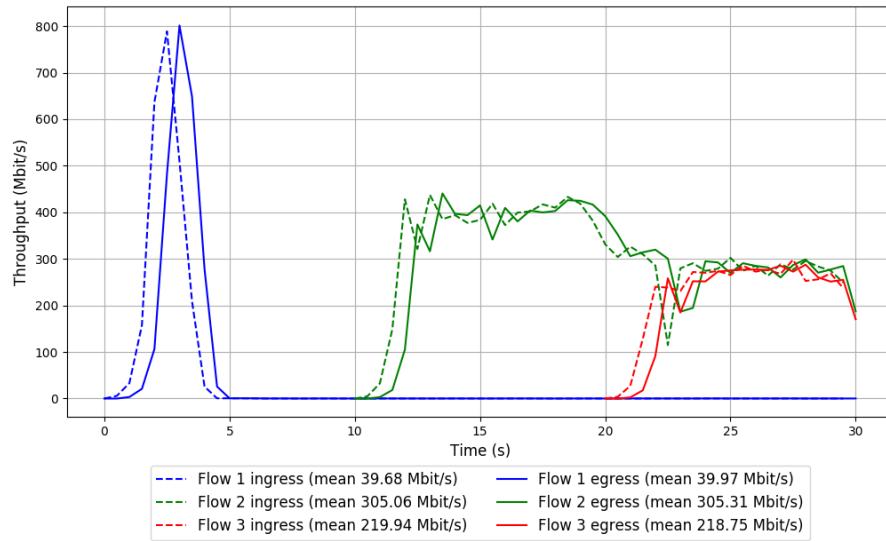


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-11-24 15:08:25
End at: 2019-11-24 15:08:55
Local clock offset: -0.099 ms
Remote clock offset: 0.111 ms

# Below is generated by plot.py at 2019-11-24 19:21:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 313.37 Mbit/s
95th percentile per-packet one-way delay: 134.856 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 39.97 Mbit/s
95th percentile per-packet one-way delay: 135.940 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 305.31 Mbit/s
95th percentile per-packet one-way delay: 134.937 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 218.75 Mbit/s
95th percentile per-packet one-way delay: 133.688 ms
Loss rate: 3.36%
```

Run 1: Report of FillP-Sheep — Data Link

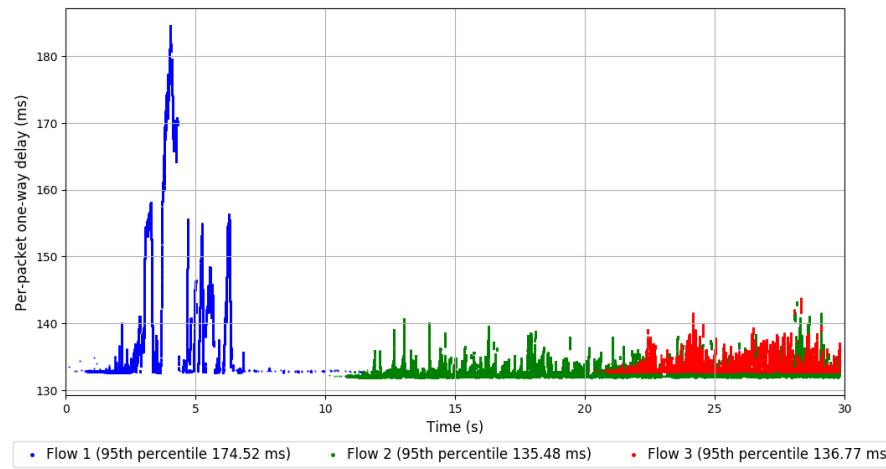
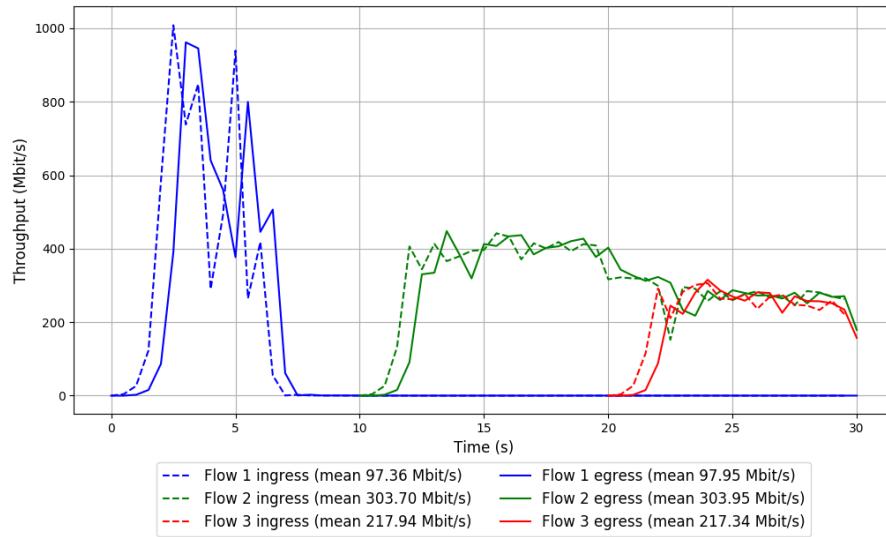


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-11-24 15:51:33
End at: 2019-11-24 15:52:03
Local clock offset: -0.076 ms
Remote clock offset: 0.07 ms

# Below is generated by plot.py at 2019-11-24 19:22:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 369.75 Mbit/s
95th percentile per-packet one-way delay: 157.200 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 97.95 Mbit/s
95th percentile per-packet one-way delay: 174.519 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 303.95 Mbit/s
95th percentile per-packet one-way delay: 135.480 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 217.34 Mbit/s
95th percentile per-packet one-way delay: 136.774 ms
Loss rate: 3.02%
```

Run 2: Report of FillP-Sheep — Data Link

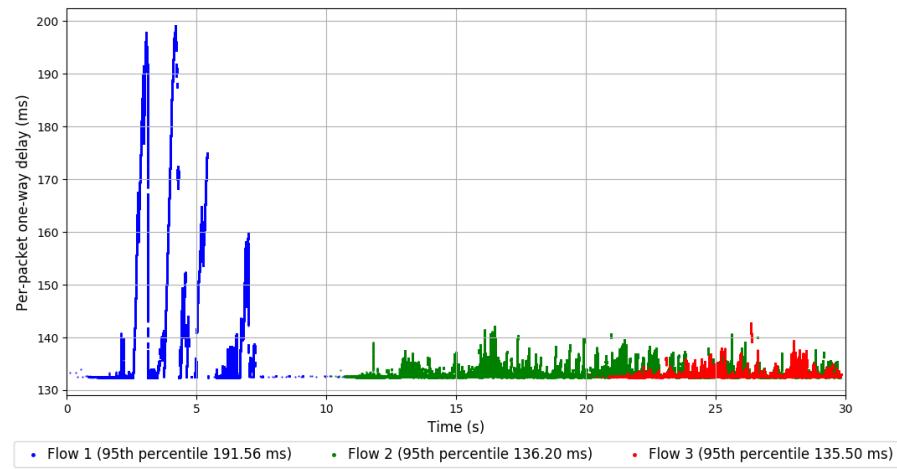
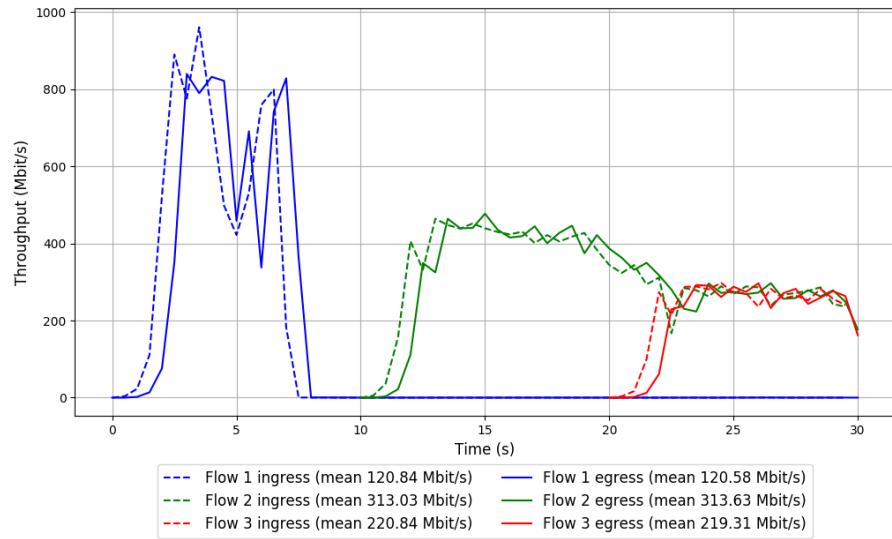


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-11-24 16:34:50
End at: 2019-11-24 16:35:20
Local clock offset: -0.058 ms
Remote clock offset: 0.298 ms

# Below is generated by plot.py at 2019-11-24 19:24:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 399.58 Mbit/s
95th percentile per-packet one-way delay: 169.764 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 120.58 Mbit/s
95th percentile per-packet one-way delay: 191.563 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 313.63 Mbit/s
95th percentile per-packet one-way delay: 136.198 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 219.31 Mbit/s
95th percentile per-packet one-way delay: 135.504 ms
Loss rate: 3.25%
```

Run 3: Report of FillP-Sheep — Data Link

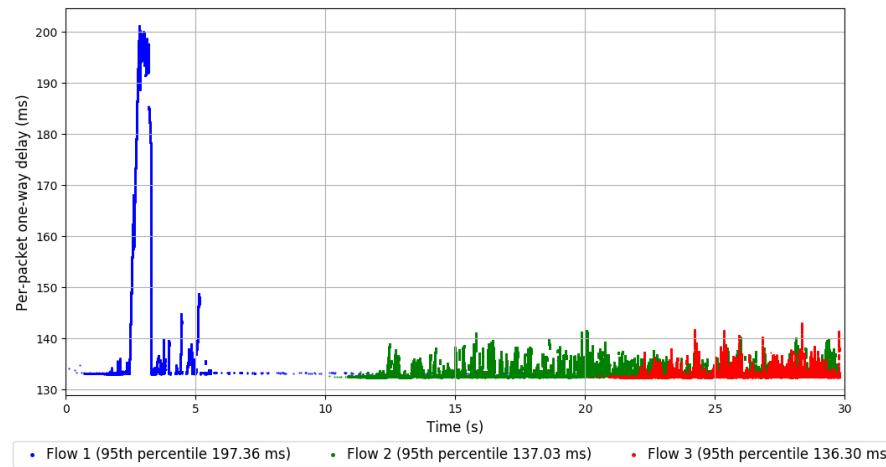
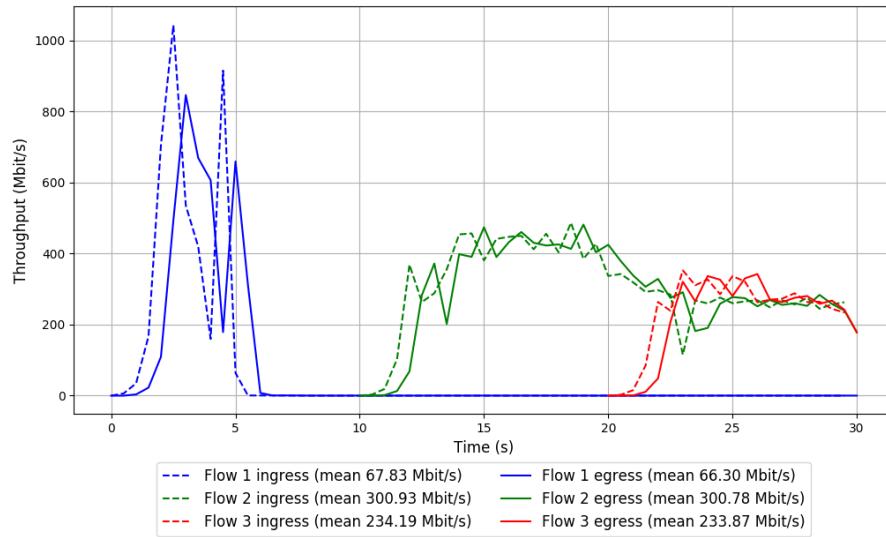


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-11-24 17:18:15
End at: 2019-11-24 17:18:45
Local clock offset: 0.228 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2019-11-24 19:24:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 341.25 Mbit/s
95th percentile per-packet one-way delay: 174.352 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 66.30 Mbit/s
95th percentile per-packet one-way delay: 197.358 ms
Loss rate: 3.51%
-- Flow 2:
Average throughput: 300.78 Mbit/s
95th percentile per-packet one-way delay: 137.034 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 233.87 Mbit/s
95th percentile per-packet one-way delay: 136.304 ms
Loss rate: 2.87%
```

Run 4: Report of FillP-Sheep — Data Link

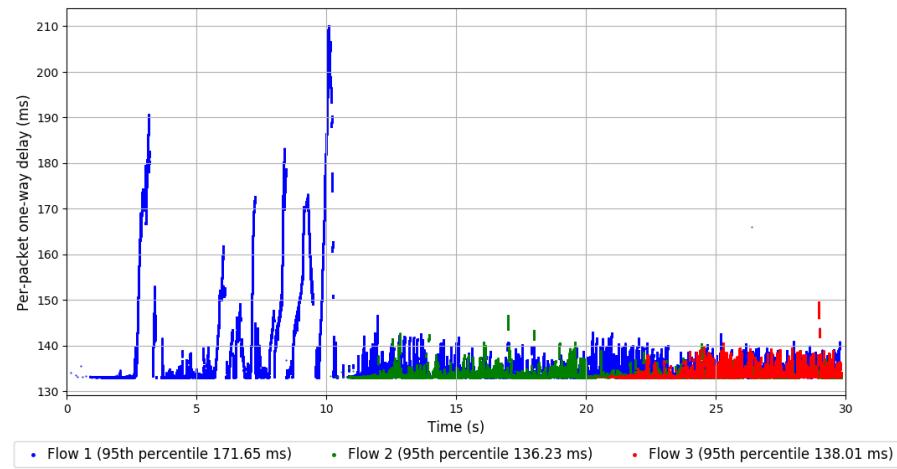
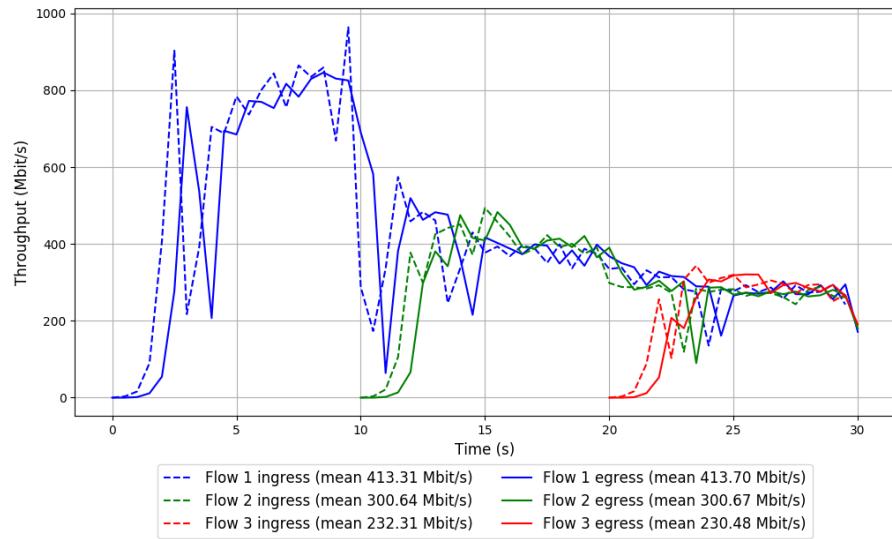


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-11-24 18:01:03
End at: 2019-11-24 18:01:33
Local clock offset: 0.211 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2019-11-24 19:33:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 687.40 Mbit/s
95th percentile per-packet one-way delay: 163.718 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 413.70 Mbit/s
95th percentile per-packet one-way delay: 171.649 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 300.67 Mbit/s
95th percentile per-packet one-way delay: 136.231 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 230.48 Mbit/s
95th percentile per-packet one-way delay: 138.007 ms
Loss rate: 3.28%
```

Run 5: Report of FillP-Sheep — Data Link

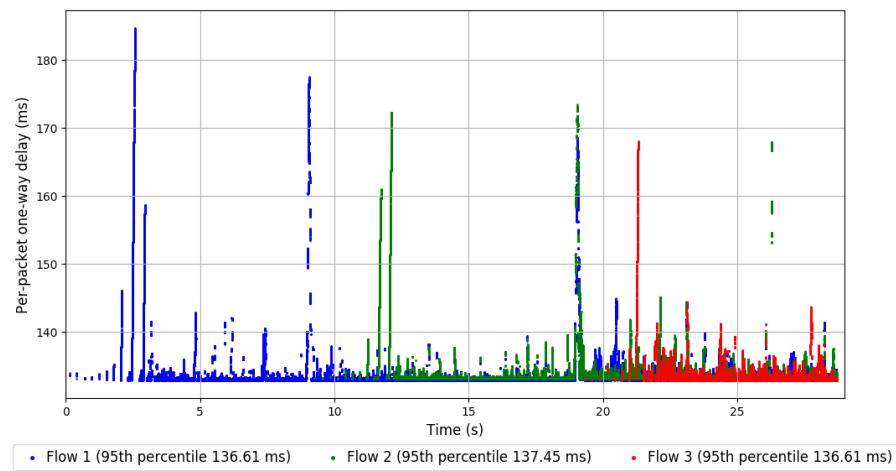
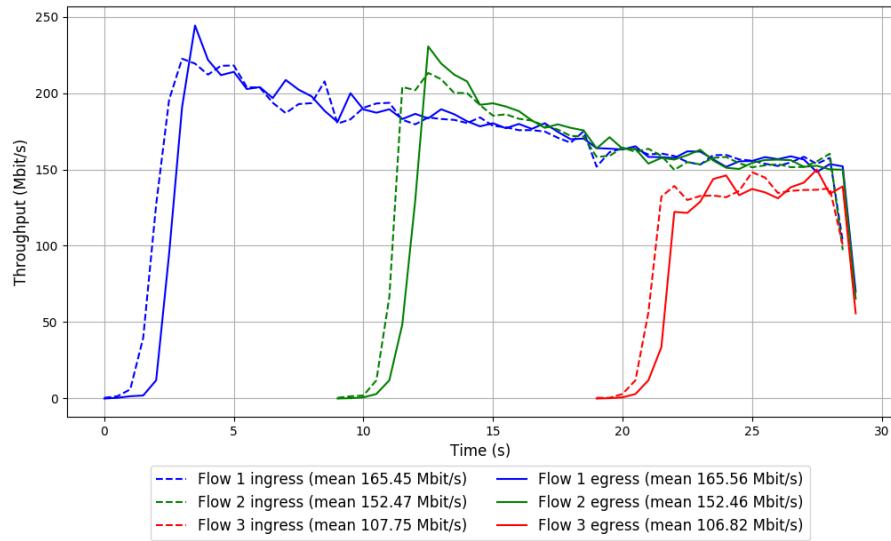


Run 1: Statistics of Indigo

```
Start at: 2019-11-24 14:52:51
End at: 2019-11-24 14:53:21
Local clock offset: 0.19 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2019-11-24 19:33:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 304.28 Mbit/s
95th percentile per-packet one-way delay: 136.800 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 165.56 Mbit/s
95th percentile per-packet one-way delay: 136.610 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 152.46 Mbit/s
95th percentile per-packet one-way delay: 137.448 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 106.82 Mbit/s
95th percentile per-packet one-way delay: 136.608 ms
Loss rate: 3.61%
```

Run 1: Report of Indigo — Data Link

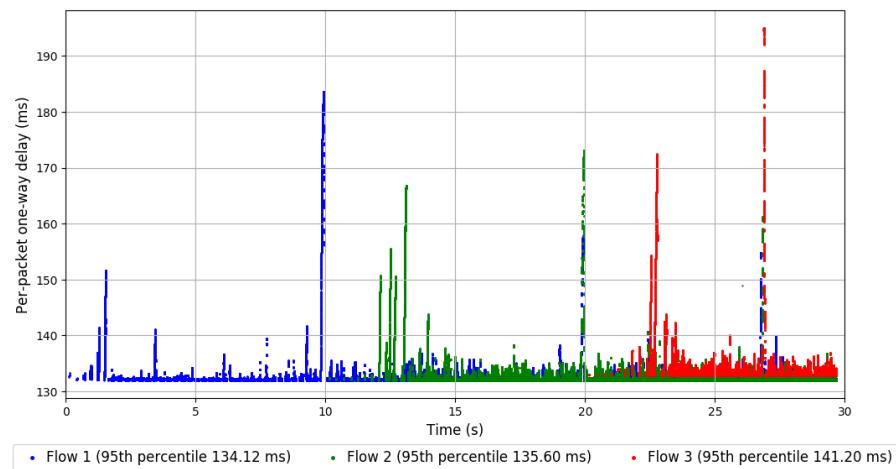
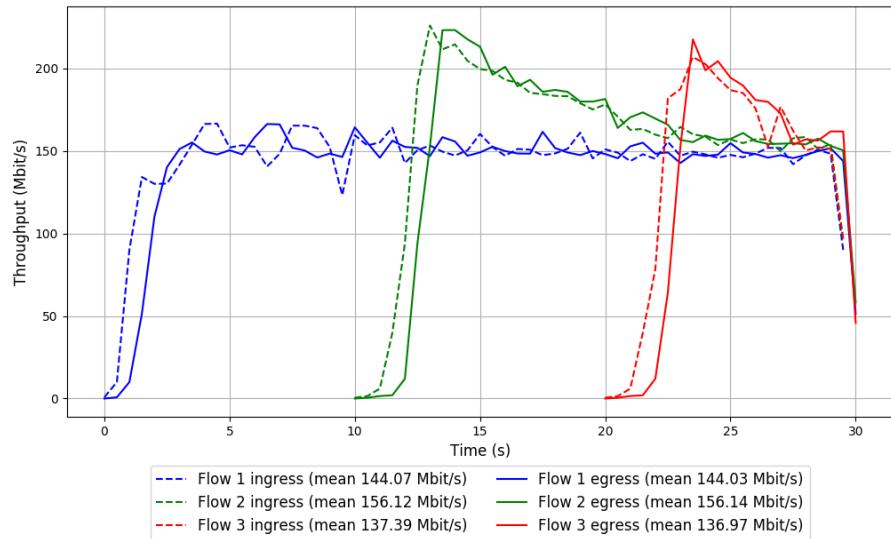


Run 2: Statistics of Indigo

```
Start at: 2019-11-24 15:35:51
End at: 2019-11-24 15:36:21
Local clock offset: -0.082 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2019-11-24 19:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 291.40 Mbit/s
95th percentile per-packet one-way delay: 135.649 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 144.03 Mbit/s
95th percentile per-packet one-way delay: 134.121 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 156.14 Mbit/s
95th percentile per-packet one-way delay: 135.602 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 136.97 Mbit/s
95th percentile per-packet one-way delay: 141.196 ms
Loss rate: 3.03%
```

Run 2: Report of Indigo — Data Link

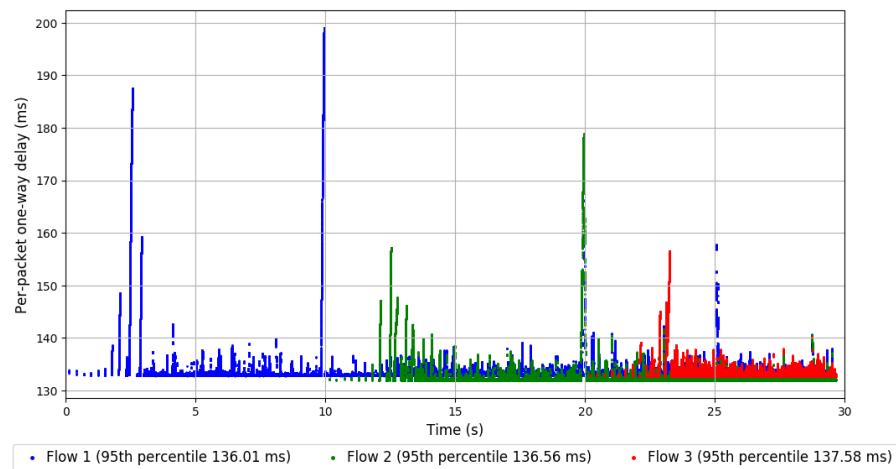
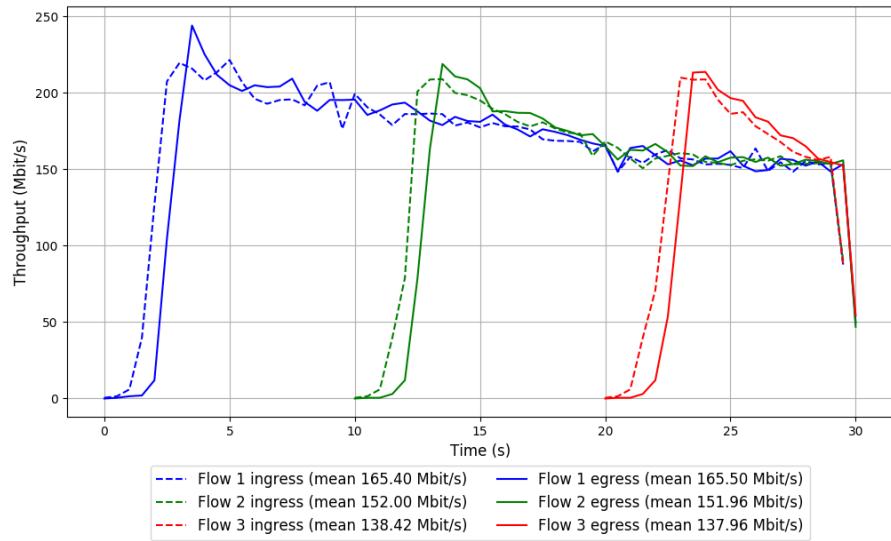


Run 3: Statistics of Indigo

```
Start at: 2019-11-24 16:19:22
End at: 2019-11-24 16:19:52
Local clock offset: -0.071 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2019-11-24 19:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 310.11 Mbit/s
95th percentile per-packet one-way delay: 136.380 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 165.50 Mbit/s
95th percentile per-packet one-way delay: 136.008 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 151.96 Mbit/s
95th percentile per-packet one-way delay: 136.558 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 137.96 Mbit/s
95th percentile per-packet one-way delay: 137.578 ms
Loss rate: 3.05%
```

Run 3: Report of Indigo — Data Link

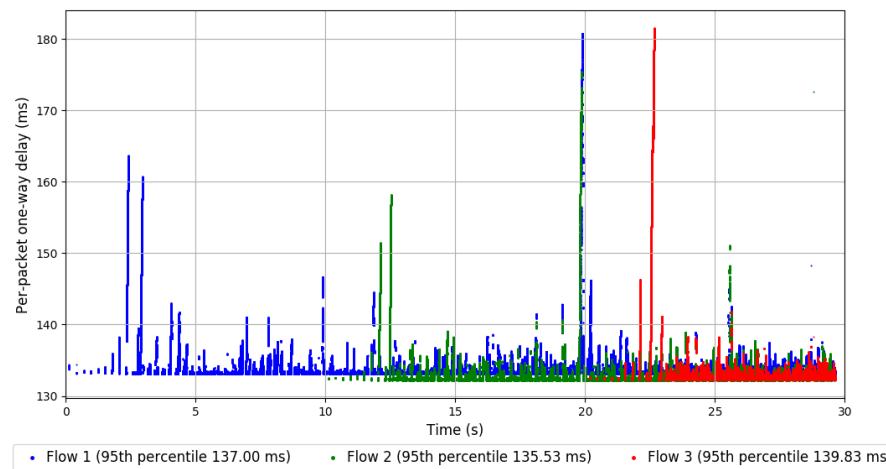
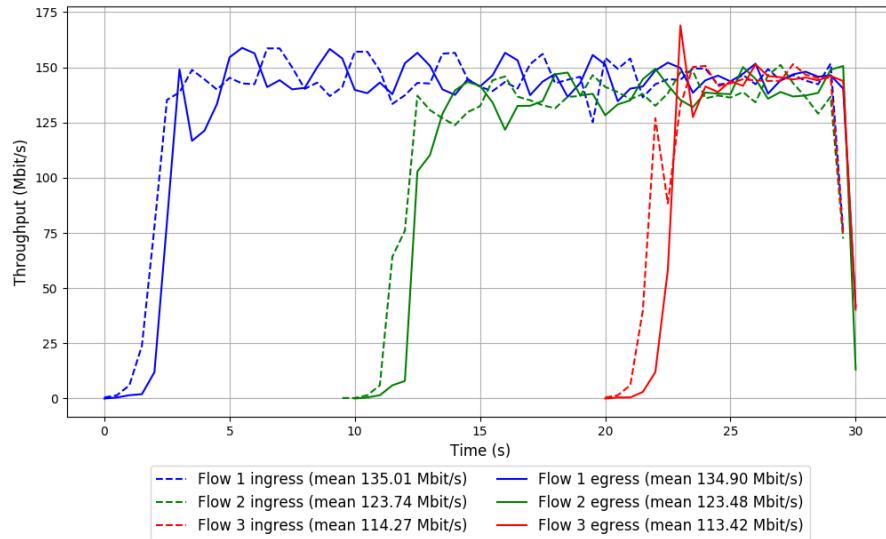


Run 4: Statistics of Indigo

```
Start at: 2019-11-24 17:02:36
End at: 2019-11-24 17:03:06
Local clock offset: -0.113 ms
Remote clock offset: -0.393 ms

# Below is generated by plot.py at 2019-11-24 19:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 252.92 Mbit/s
95th percentile per-packet one-way delay: 136.658 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 134.90 Mbit/s
95th percentile per-packet one-way delay: 136.997 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 123.48 Mbit/s
95th percentile per-packet one-way delay: 135.525 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 113.42 Mbit/s
95th percentile per-packet one-way delay: 139.832 ms
Loss rate: 3.46%
```

Run 4: Report of Indigo — Data Link

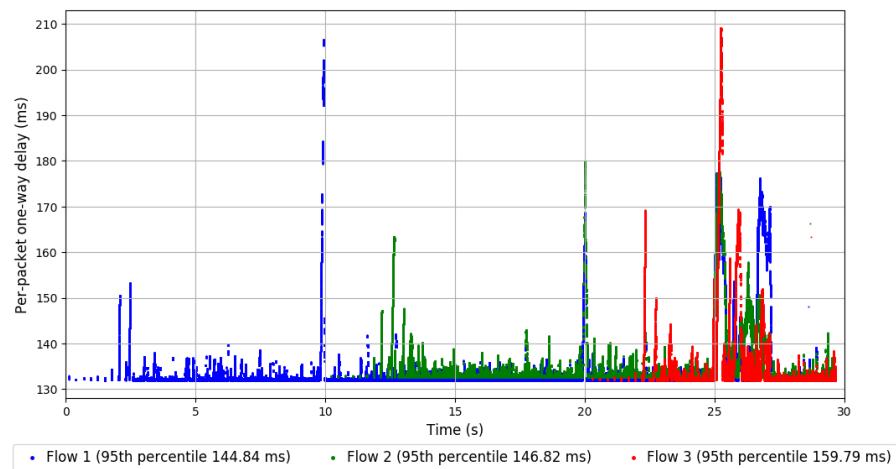
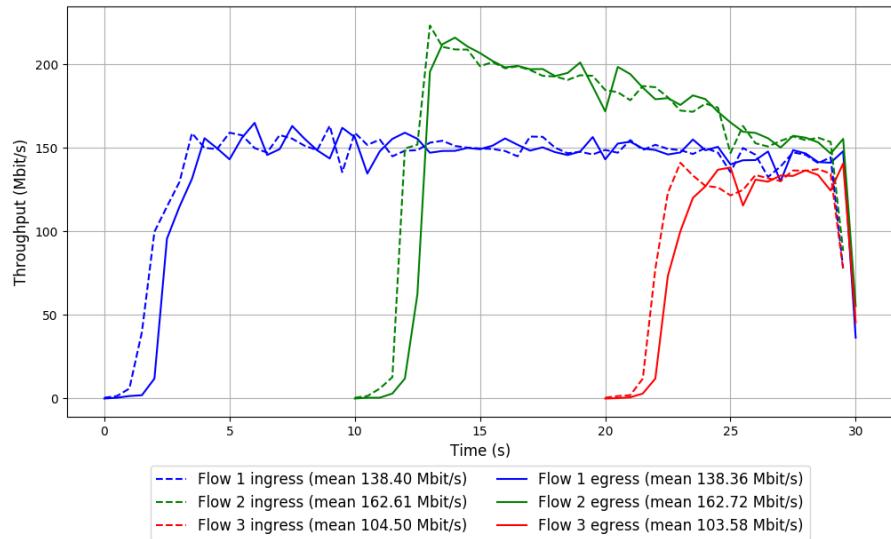


Run 5: Statistics of Indigo

```
Start at: 2019-11-24 17:45:14
End at: 2019-11-24 17:45:44
Local clock offset: -0.121 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2019-11-24 19:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 278.28 Mbit/s
95th percentile per-packet one-way delay: 147.970 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 138.36 Mbit/s
95th percentile per-packet one-way delay: 144.839 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 162.72 Mbit/s
95th percentile per-packet one-way delay: 146.823 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 103.58 Mbit/s
95th percentile per-packet one-way delay: 159.791 ms
Loss rate: 3.63%
```

Run 5: Report of Indigo — Data Link

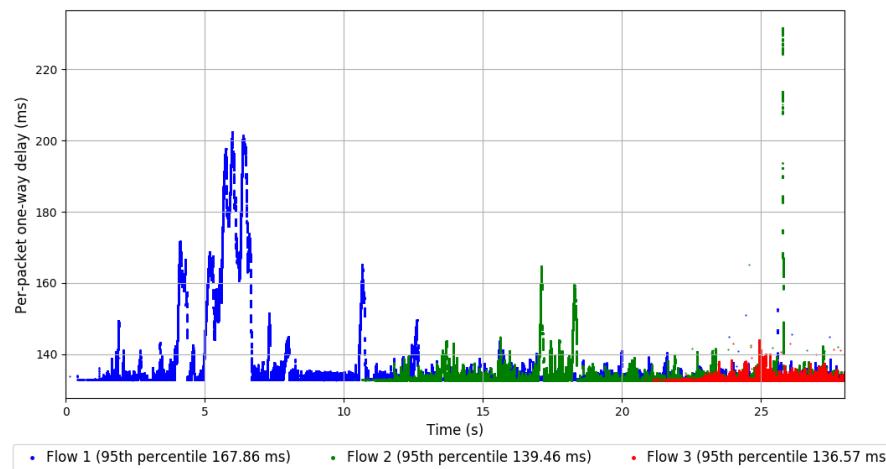
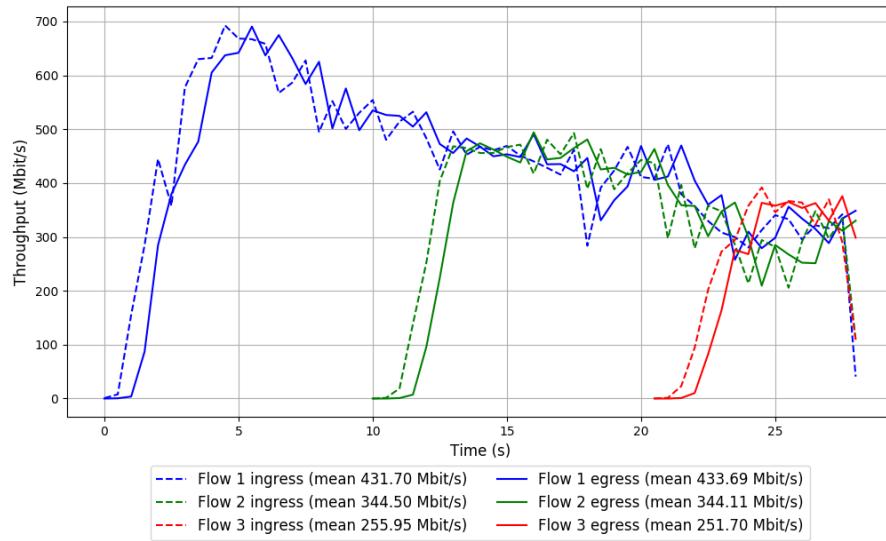


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 15:33:52
End at: 2019-11-24 15:34:22
Local clock offset: -0.054 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2019-11-24 19:36:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 715.99 Mbit/s
95th percentile per-packet one-way delay: 161.079 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 433.69 Mbit/s
95th percentile per-packet one-way delay: 167.856 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 344.11 Mbit/s
95th percentile per-packet one-way delay: 139.459 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 251.70 Mbit/s
95th percentile per-packet one-way delay: 136.575 ms
Loss rate: 5.19%
```

Run 1: Report of Indigo-MusesC3 — Data Link

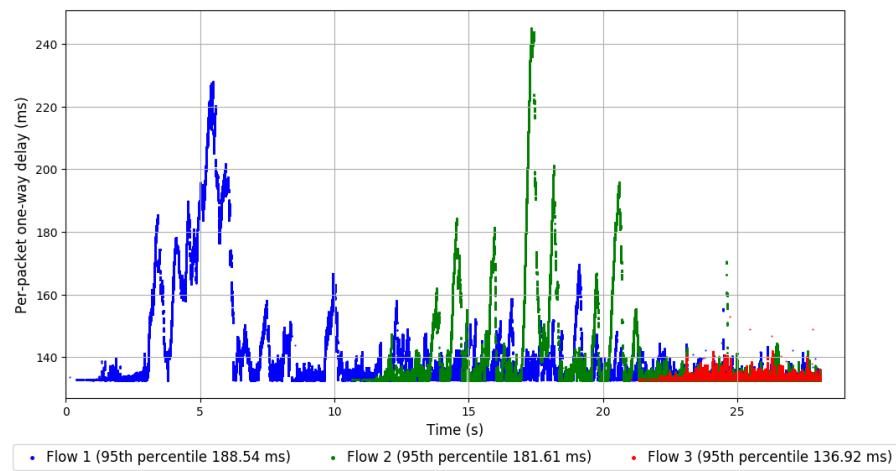
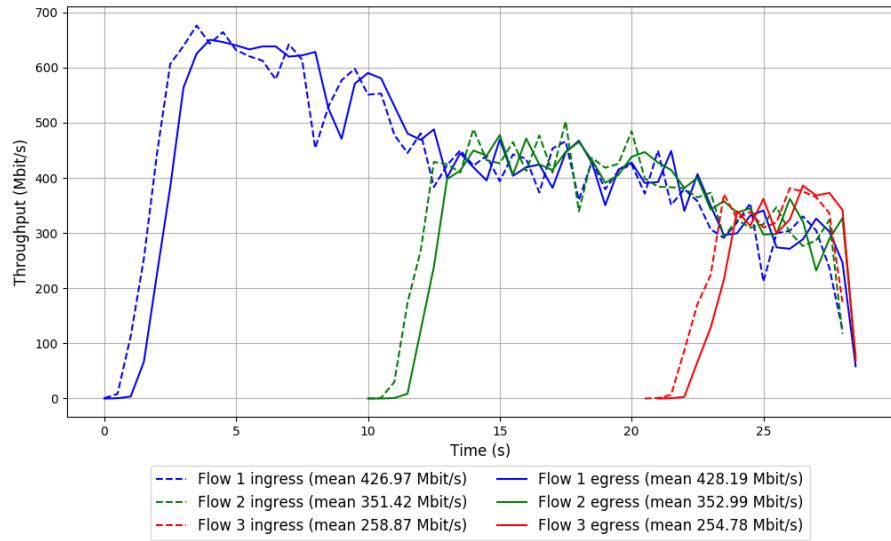


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 16:17:23
End at: 2019-11-24 16:17:53
Local clock offset: -0.118 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2019-11-24 19:37:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 715.88 Mbit/s
95th percentile per-packet one-way delay: 184.353 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 428.19 Mbit/s
95th percentile per-packet one-way delay: 188.537 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 352.99 Mbit/s
95th percentile per-packet one-way delay: 181.612 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 254.78 Mbit/s
95th percentile per-packet one-way delay: 136.922 ms
Loss rate: 5.17%
```

Run 2: Report of Indigo-MusesC3 — Data Link

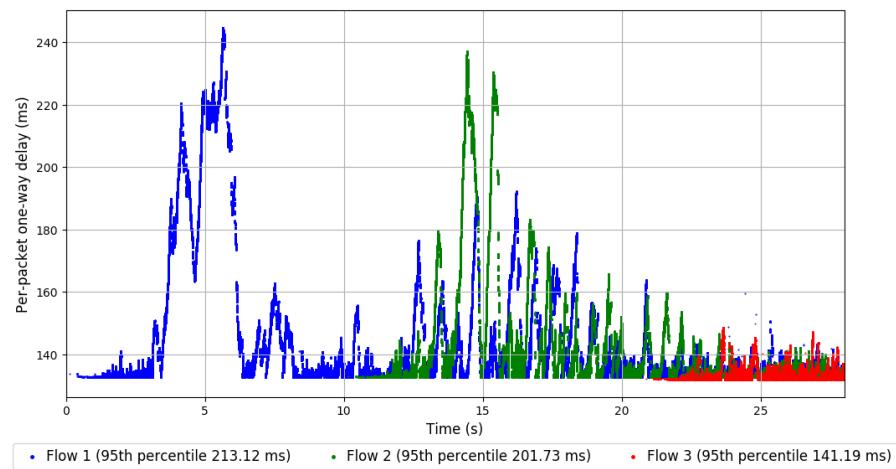
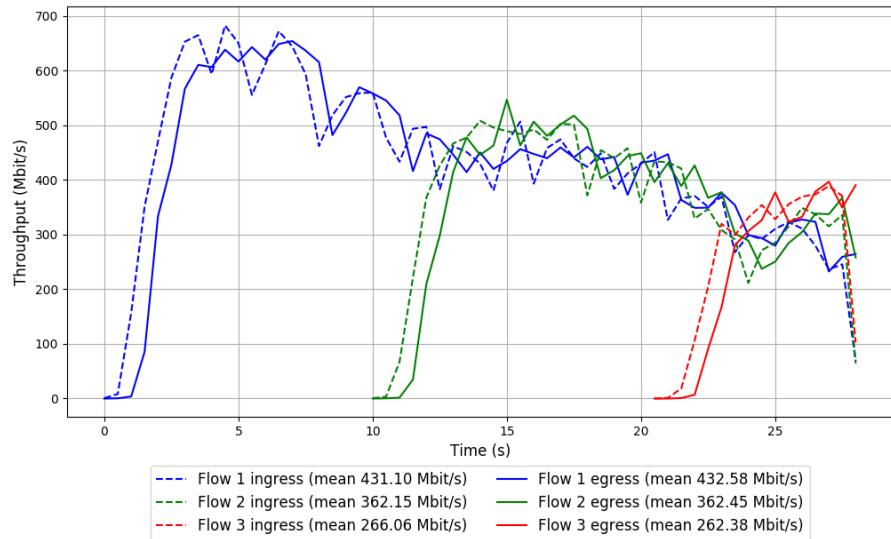


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 17:00:36
End at: 2019-11-24 17:01:06
Local clock offset: -0.115 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2019-11-24 19:43:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 731.34 Mbit/s
95th percentile per-packet one-way delay: 206.449 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 432.58 Mbit/s
95th percentile per-packet one-way delay: 213.122 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 362.45 Mbit/s
95th percentile per-packet one-way delay: 201.728 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 262.38 Mbit/s
95th percentile per-packet one-way delay: 141.190 ms
Loss rate: 4.99%
```

Run 3: Report of Indigo-MusesC3 — Data Link

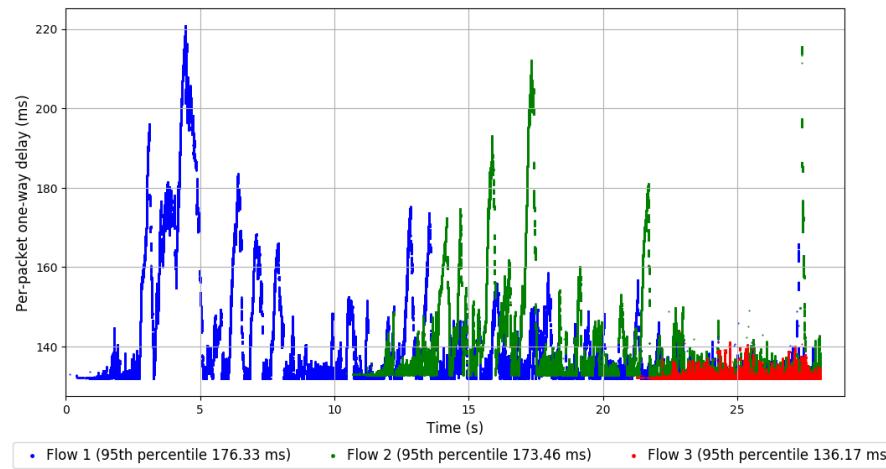
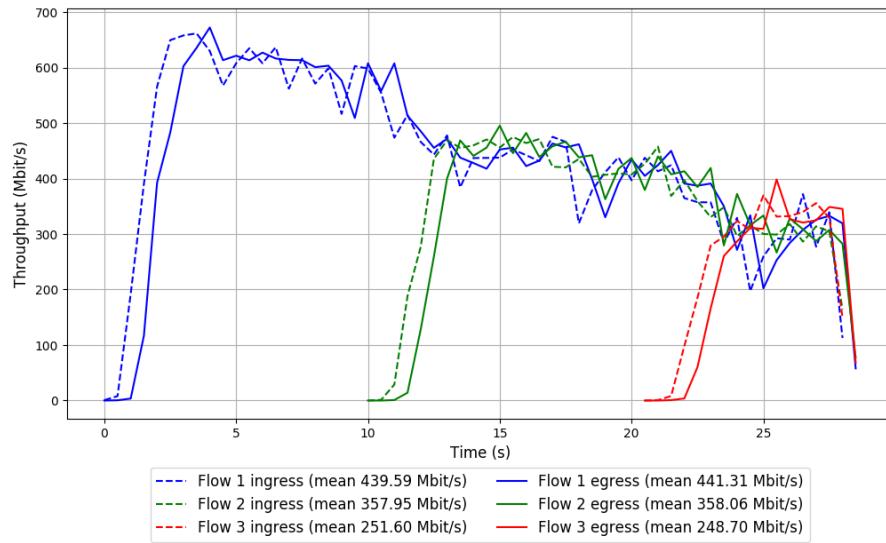


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 17:43:11
End at: 2019-11-24 17:43:41
Local clock offset: -0.071 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2019-11-24 19:44:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 730.69 Mbit/s
95th percentile per-packet one-way delay: 174.662 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 441.31 Mbit/s
95th percentile per-packet one-way delay: 176.332 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 358.06 Mbit/s
95th percentile per-packet one-way delay: 173.461 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 248.70 Mbit/s
95th percentile per-packet one-way delay: 136.167 ms
Loss rate: 4.73%
```

Run 4: Report of Indigo-MusesC3 — Data Link

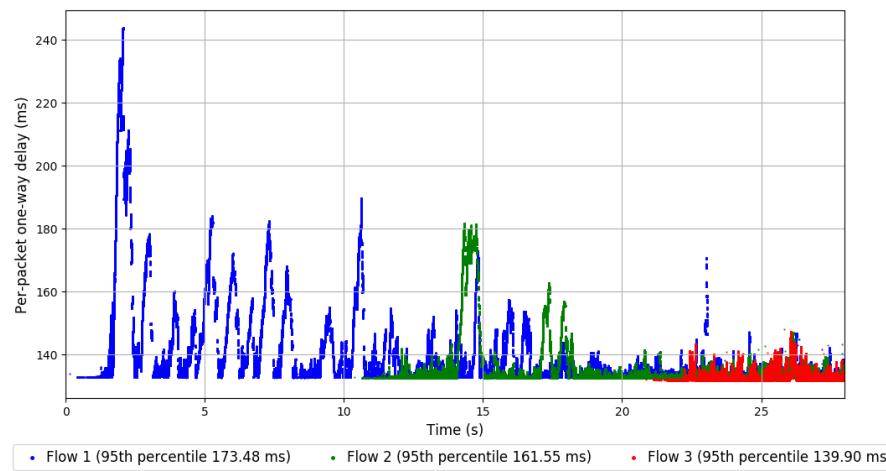
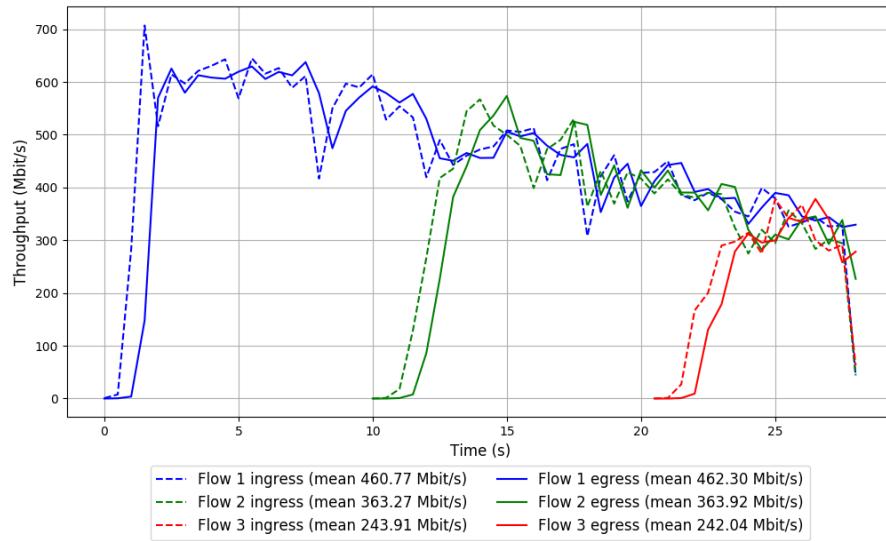


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 18:26:46
End at: 2019-11-24 18:27:16
Local clock offset: -0.04 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2019-11-24 19:45:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 753.87 Mbit/s
95th percentile per-packet one-way delay: 168.910 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 462.30 Mbit/s
95th percentile per-packet one-way delay: 173.476 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 363.92 Mbit/s
95th percentile per-packet one-way delay: 161.546 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 242.04 Mbit/s
95th percentile per-packet one-way delay: 139.901 ms
Loss rate: 4.35%
```

Run 5: Report of Indigo-MusesC3 — Data Link

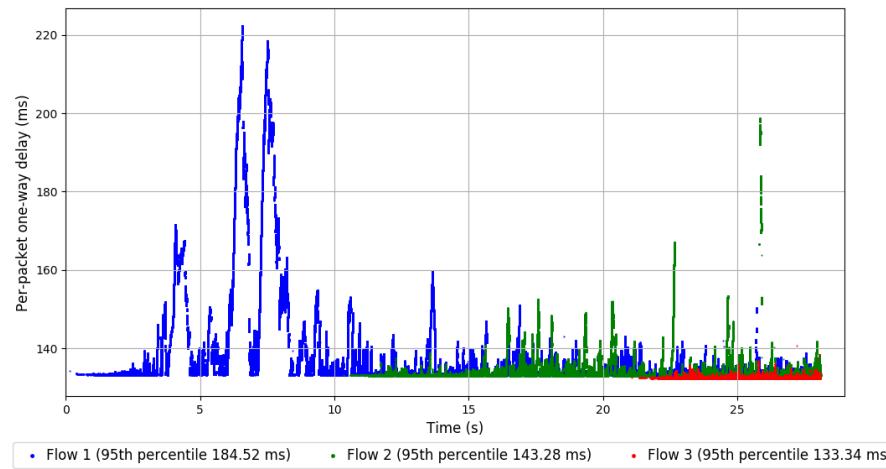
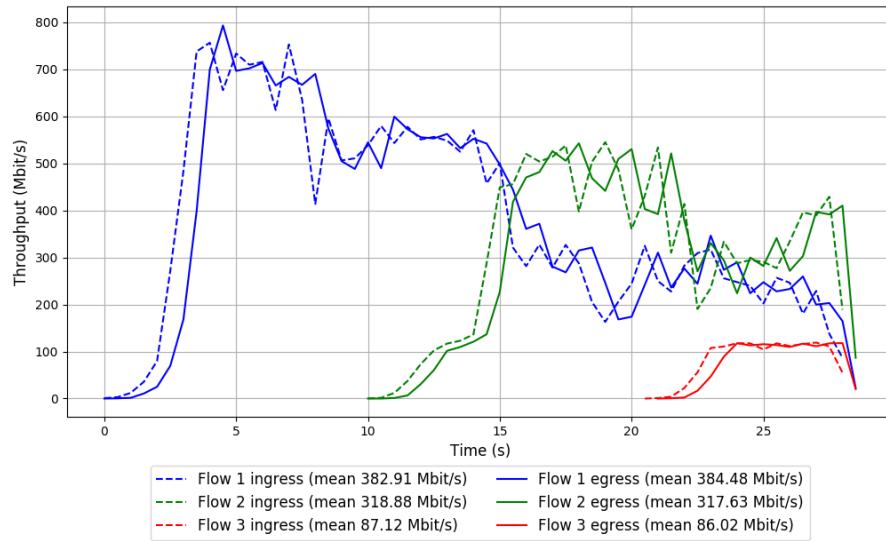


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 15:30:05
End at: 2019-11-24 15:30:35
Local clock offset: 0.271 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2019-11-24 19:45:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 607.83 Mbit/s
95th percentile per-packet one-way delay: 167.300 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 384.48 Mbit/s
95th percentile per-packet one-way delay: 184.522 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 317.63 Mbit/s
95th percentile per-packet one-way delay: 143.279 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 86.02 Mbit/s
95th percentile per-packet one-way delay: 133.335 ms
Loss rate: 4.89%
```

Run 1: Report of Indigo-MusesC5 — Data Link

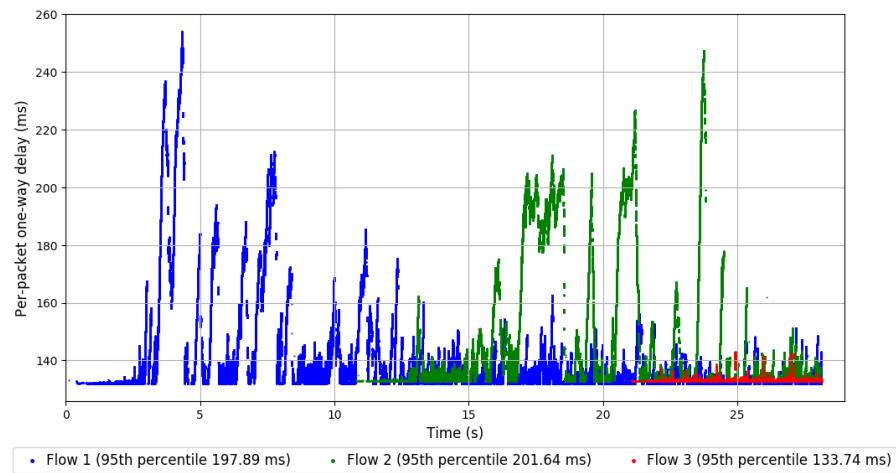
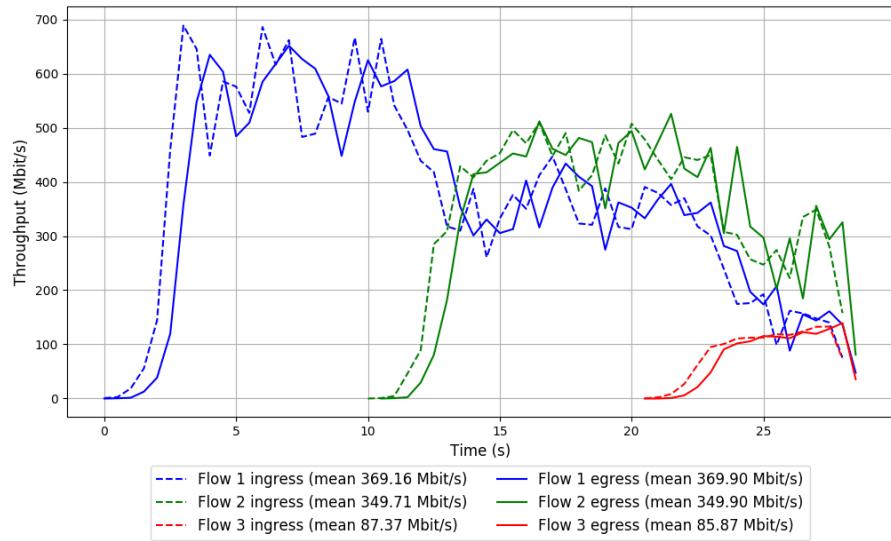


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 16:13:30
End at: 2019-11-24 16:14:00
Local clock offset: -0.098 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2019-11-24 19:45:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 612.03 Mbit/s
95th percentile per-packet one-way delay: 200.776 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 369.90 Mbit/s
95th percentile per-packet one-way delay: 197.888 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 349.90 Mbit/s
95th percentile per-packet one-way delay: 201.642 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 133.735 ms
Loss rate: 5.20%
```

Run 2: Report of Indigo-MusesC5 — Data Link

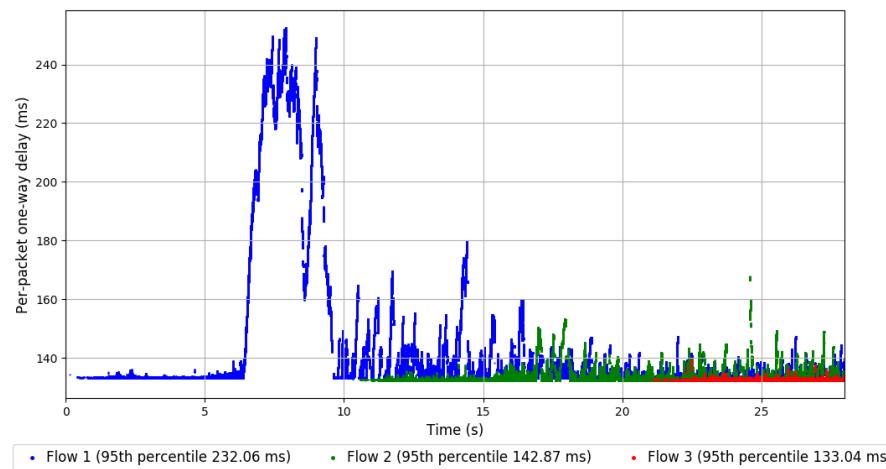
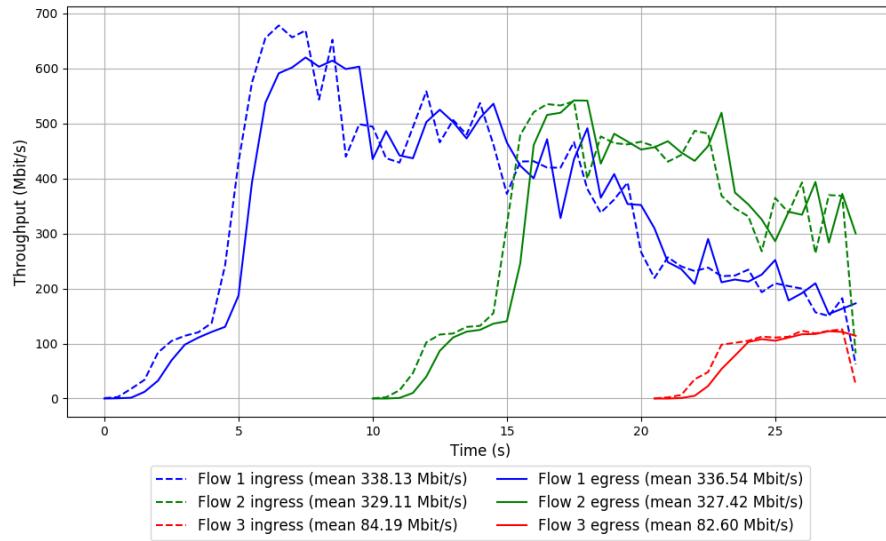


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 16:56:50
End at: 2019-11-24 16:57:20
Local clock offset: 0.254 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2019-11-24 19:45:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 565.40 Mbit/s
95th percentile per-packet one-way delay: 224.702 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 336.54 Mbit/s
95th percentile per-packet one-way delay: 232.061 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 327.42 Mbit/s
95th percentile per-packet one-way delay: 142.871 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 82.60 Mbit/s
95th percentile per-packet one-way delay: 133.042 ms
Loss rate: 5.55%
```

Run 3: Report of Indigo-MusesC5 — Data Link

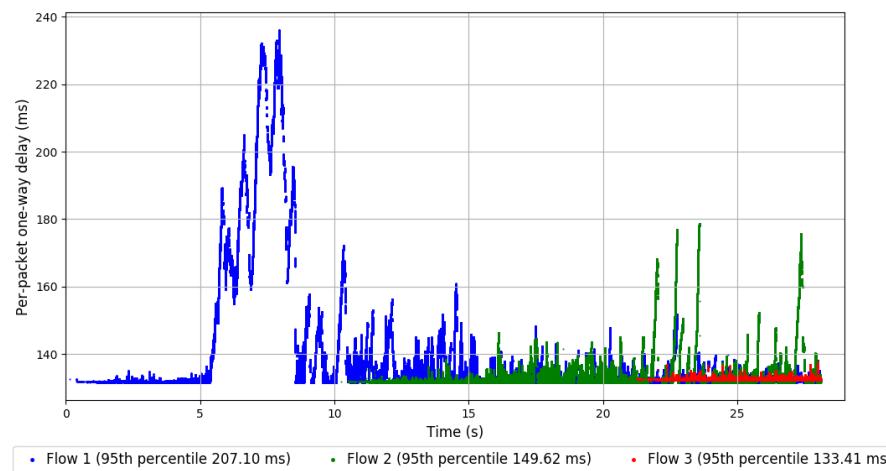
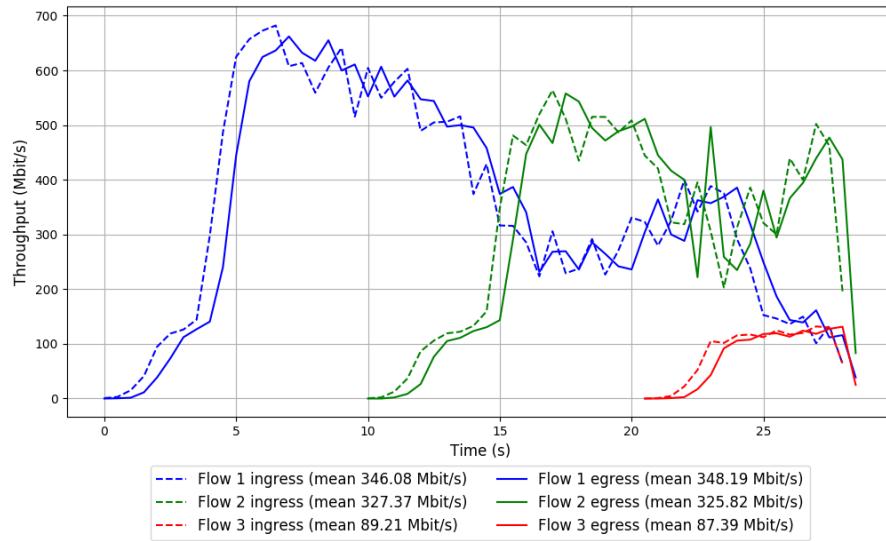


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 17:39:44
End at: 2019-11-24 17:40:14
Local clock offset: -0.109 ms
Remote clock offset: 0.343 ms

# Below is generated by plot.py at 2019-11-24 19:48:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 578.17 Mbit/s
95th percentile per-packet one-way delay: 191.748 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 348.19 Mbit/s
95th percentile per-packet one-way delay: 207.098 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 325.82 Mbit/s
95th percentile per-packet one-way delay: 149.625 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 87.39 Mbit/s
95th percentile per-packet one-way delay: 133.412 ms
Loss rate: 5.59%
```

Run 4: Report of Indigo-MusesC5 — Data Link

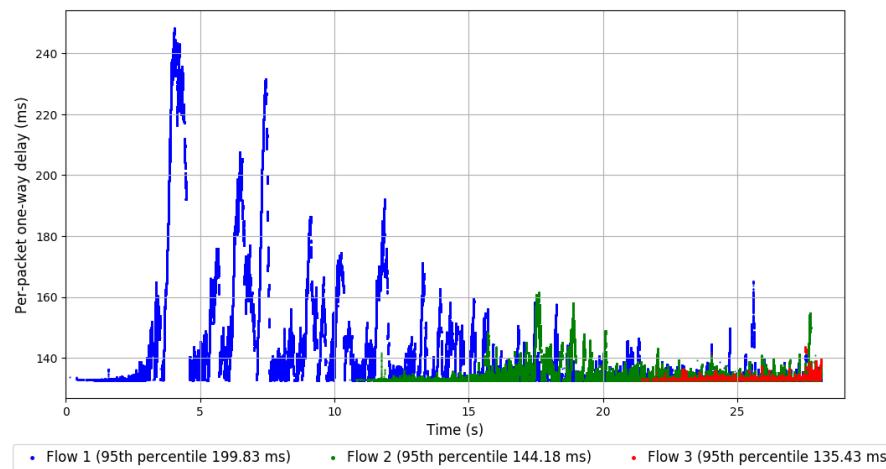
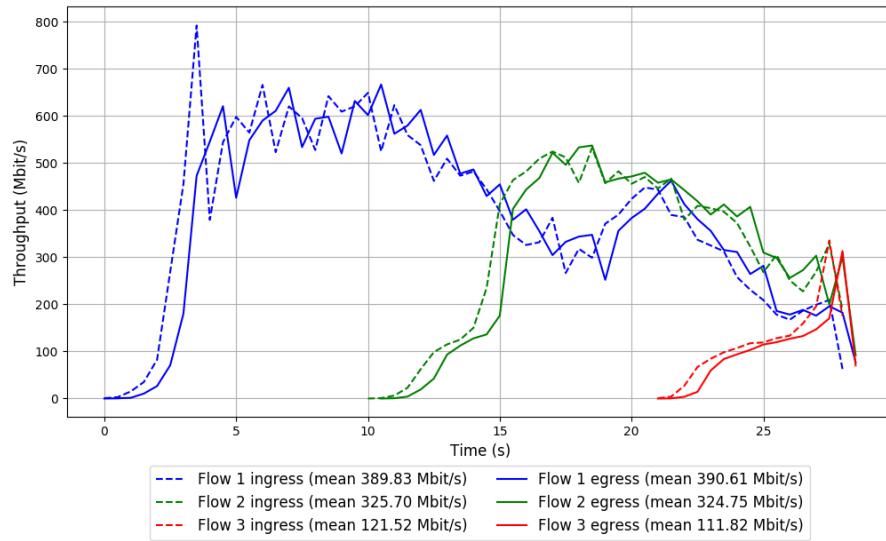


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 18:22:51
End at: 2019-11-24 18:23:21
Local clock offset: -0.059 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2019-11-24 19:49:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 622.14 Mbit/s
95th percentile per-packet one-way delay: 181.272 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 390.61 Mbit/s
95th percentile per-packet one-way delay: 199.832 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 324.75 Mbit/s
95th percentile per-packet one-way delay: 144.182 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 111.82 Mbit/s
95th percentile per-packet one-way delay: 135.430 ms
Loss rate: 11.39%
```

Run 5: Report of Indigo-MusesC5 — Data Link

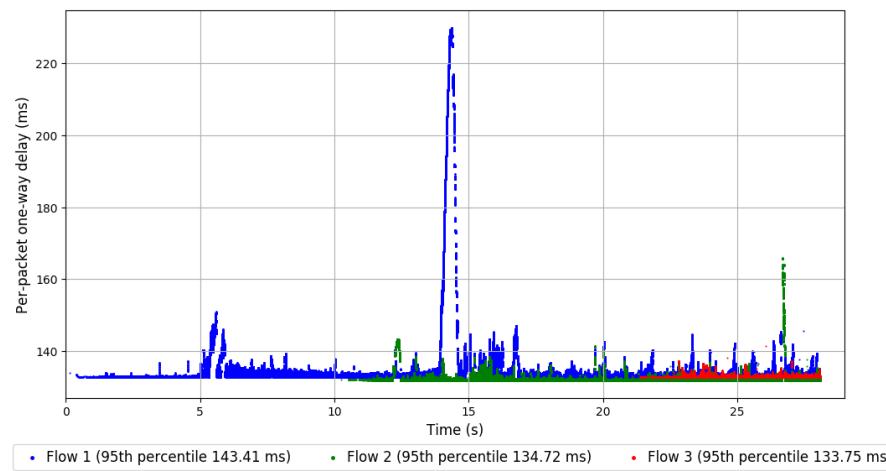
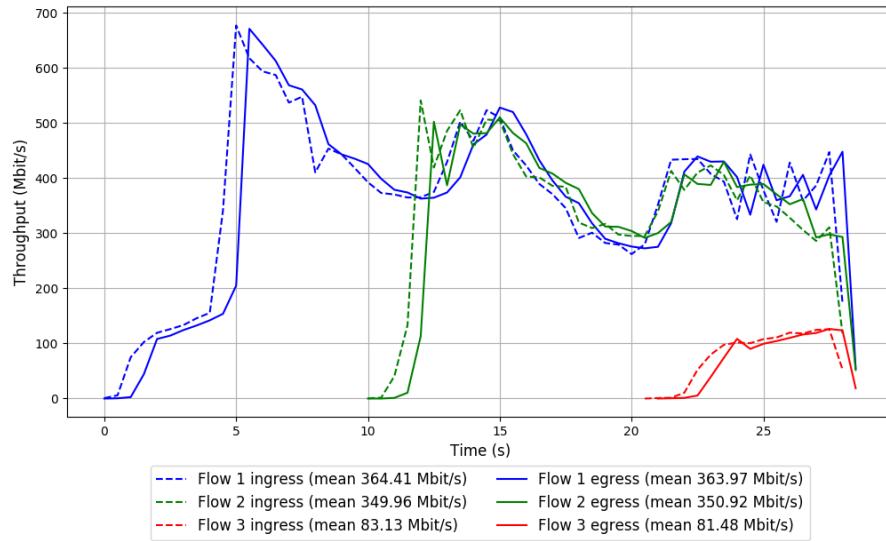


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 15:14:04
End at: 2019-11-24 15:14:34
Local clock offset: -0.134 ms
Remote clock offset: 0.194 ms

# Below is generated by plot.py at 2019-11-24 19:54:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 608.00 Mbit/s
95th percentile per-packet one-way delay: 140.230 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 363.97 Mbit/s
95th percentile per-packet one-way delay: 143.411 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 350.92 Mbit/s
95th percentile per-packet one-way delay: 134.717 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: 133.746 ms
Loss rate: 5.59%
```

Run 1: Report of Indigo-MusesD — Data Link

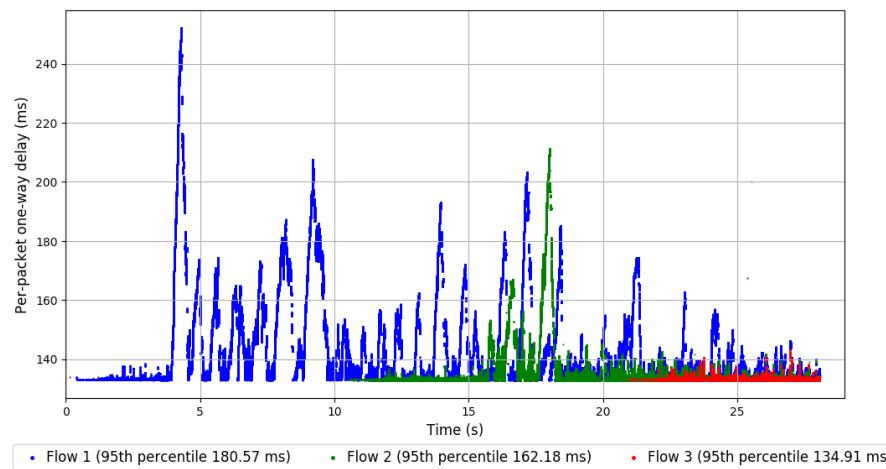
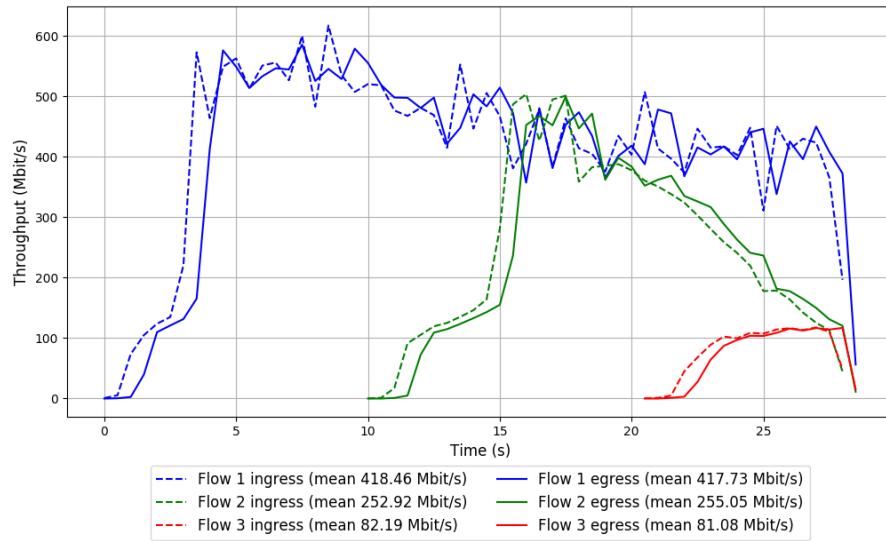


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 15:57:17
End at: 2019-11-24 15:57:47
Local clock offset: 0.019 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2019-11-24 19:54:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 601.04 Mbit/s
95th percentile per-packet one-way delay: 177.642 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 417.73 Mbit/s
95th percentile per-packet one-way delay: 180.575 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 255.05 Mbit/s
95th percentile per-packet one-way delay: 162.177 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 81.08 Mbit/s
95th percentile per-packet one-way delay: 134.910 ms
Loss rate: 4.80%
```

Run 2: Report of Indigo-MusesD — Data Link

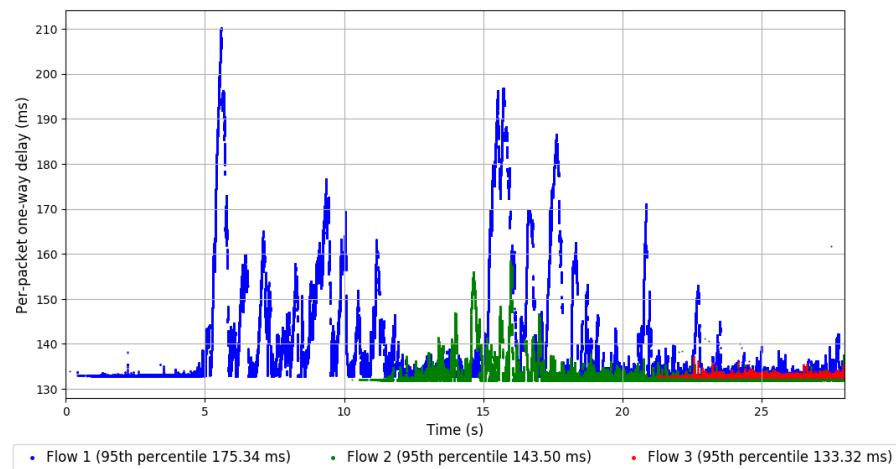
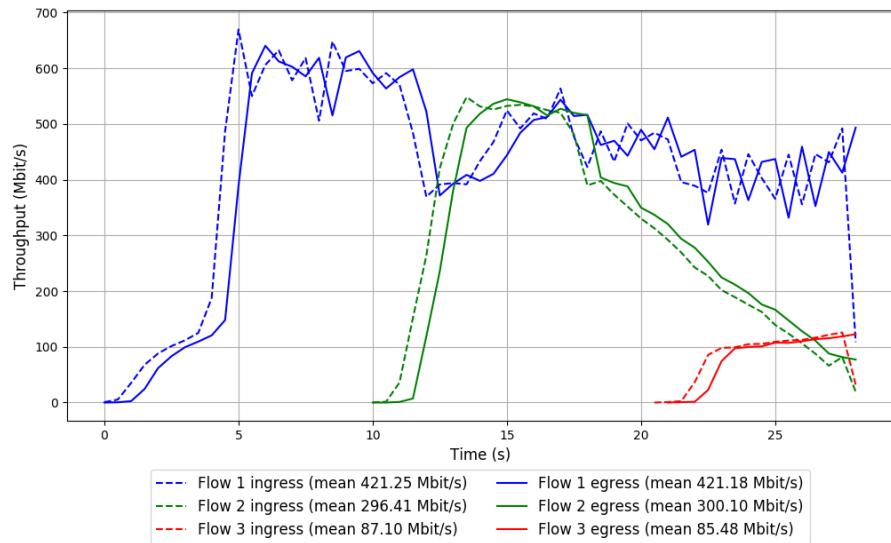


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 16:40:36
End at: 2019-11-24 16:41:06
Local clock offset: -0.082 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2019-11-24 19:55:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 632.99 Mbit/s
95th percentile per-packet one-way delay: 167.652 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 421.18 Mbit/s
95th percentile per-packet one-way delay: 175.335 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 300.10 Mbit/s
95th percentile per-packet one-way delay: 143.502 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 85.48 Mbit/s
95th percentile per-packet one-way delay: 133.316 ms
Loss rate: 5.49%
```

Run 3: Report of Indigo-MusesD — Data Link

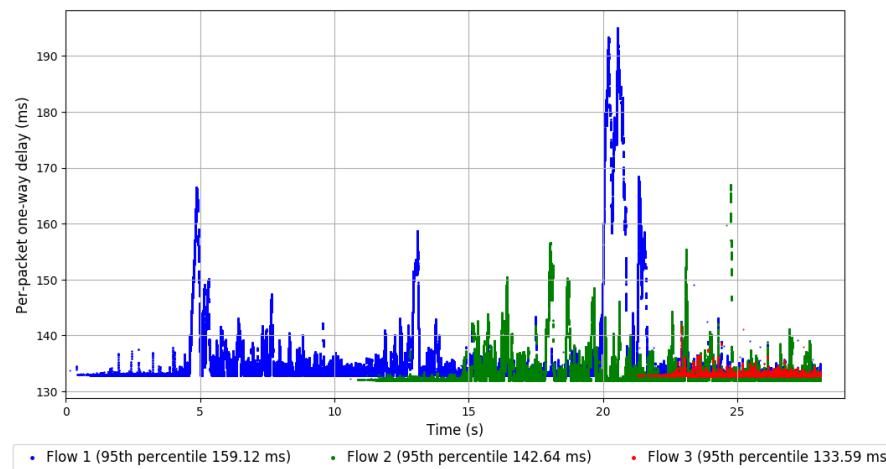
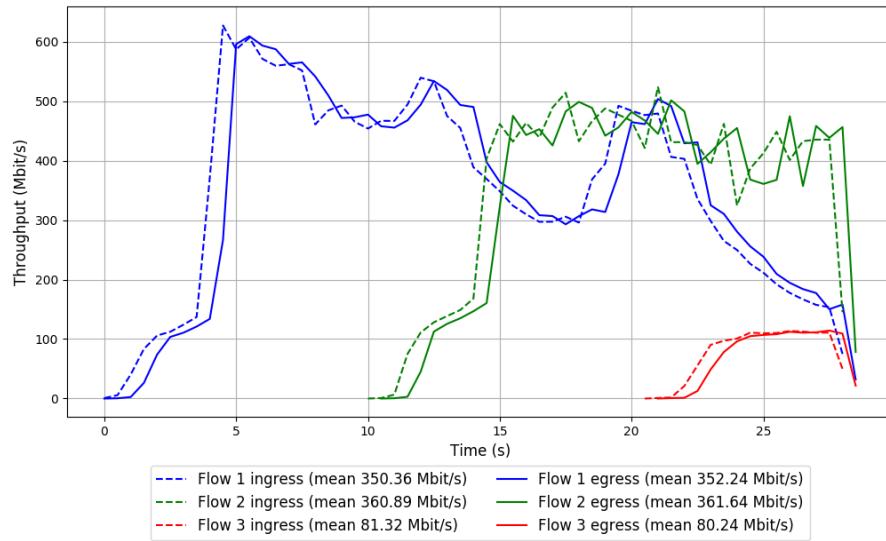


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 17:24:00
End at: 2019-11-24 17:24:30
Local clock offset: -0.112 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2019-11-24 19:55:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 598.81 Mbit/s
95th percentile per-packet one-way delay: 150.430 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 352.24 Mbit/s
95th percentile per-packet one-way delay: 159.124 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 361.64 Mbit/s
95th percentile per-packet one-way delay: 142.643 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 80.24 Mbit/s
95th percentile per-packet one-way delay: 133.585 ms
Loss rate: 4.88%
```

Run 4: Report of Indigo-MusesD — Data Link

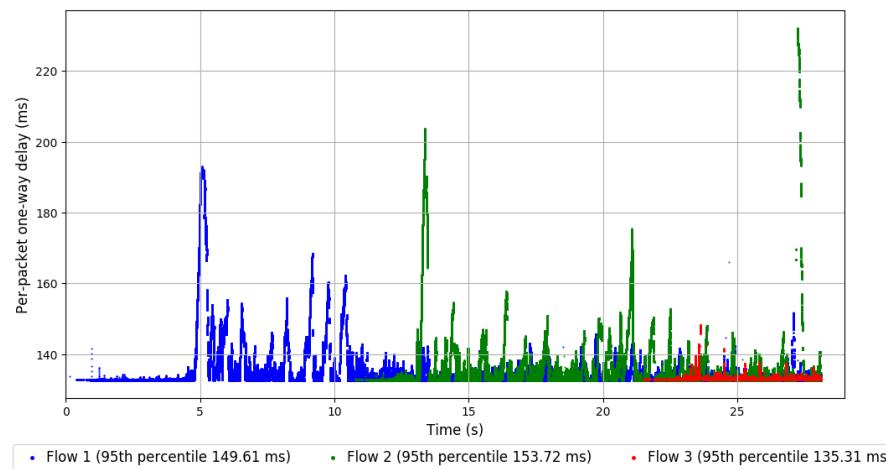
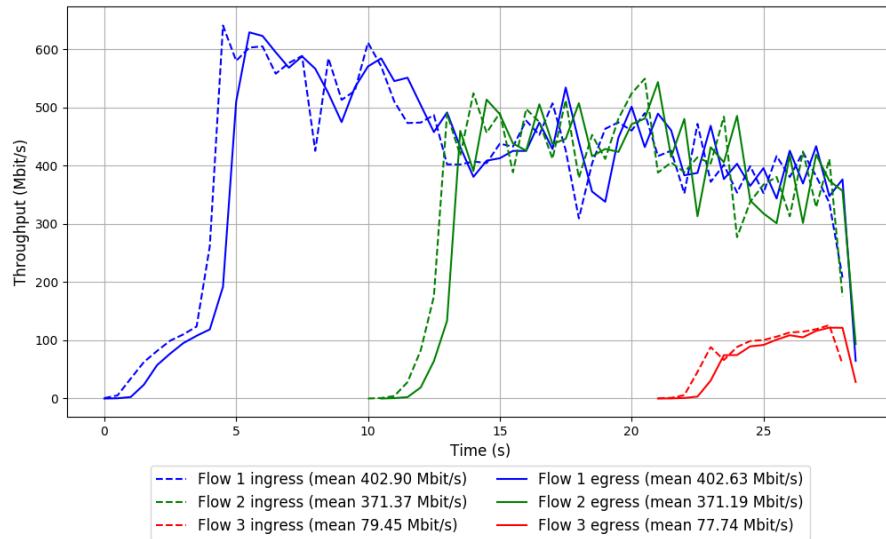


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 18:07:07
End at: 2019-11-24 18:07:37
Local clock offset: -0.11 ms
Remote clock offset: -0.0 ms

# Below is generated by plot.py at 2019-11-24 19:56:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 655.02 Mbit/s
95th percentile per-packet one-way delay: 150.334 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 402.63 Mbit/s
95th percentile per-packet one-way delay: 149.606 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 371.19 Mbit/s
95th percentile per-packet one-way delay: 153.715 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 77.74 Mbit/s
95th percentile per-packet one-way delay: 135.314 ms
Loss rate: 5.80%
```

Run 5: Report of Indigo-MusesD — Data Link

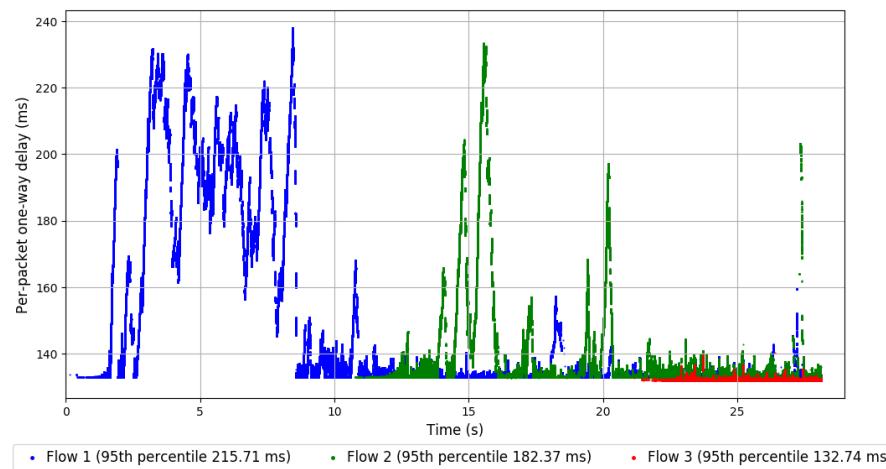
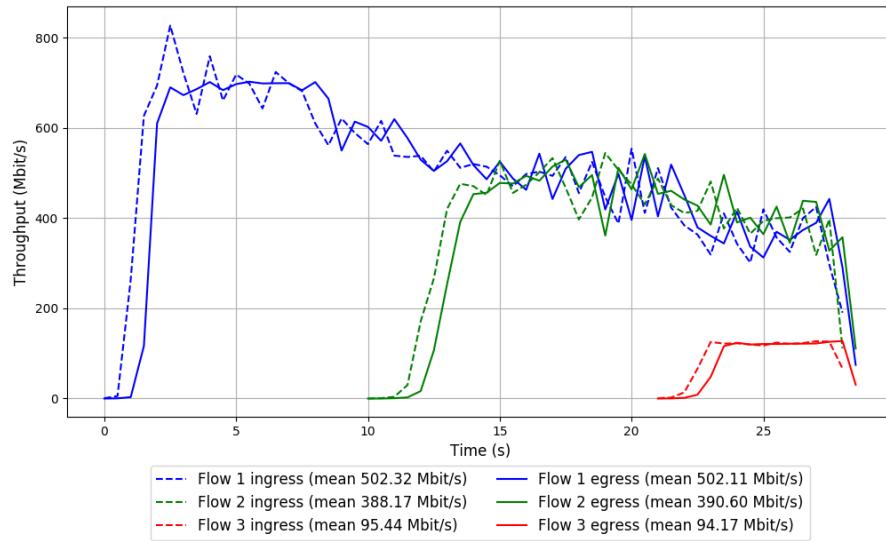


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 15:06:23
End at: 2019-11-24 15:06:53
Local clock offset: -0.124 ms
Remote clock offset: 0.079 ms

# Below is generated by plot.py at 2019-11-24 19:59:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 771.45 Mbit/s
95th percentile per-packet one-way delay: 211.359 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 502.11 Mbit/s
95th percentile per-packet one-way delay: 215.714 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 390.60 Mbit/s
95th percentile per-packet one-way delay: 182.366 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 132.740 ms
Loss rate: 5.00%
```

Run 1: Report of Indigo-MusesT — Data Link

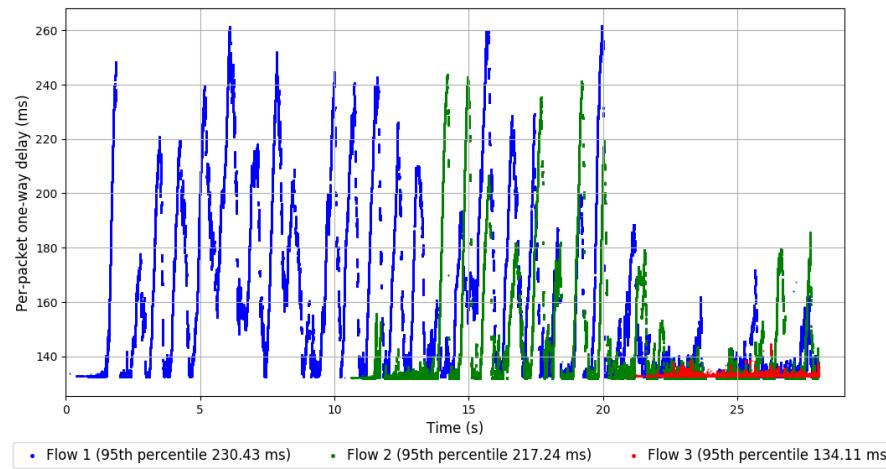
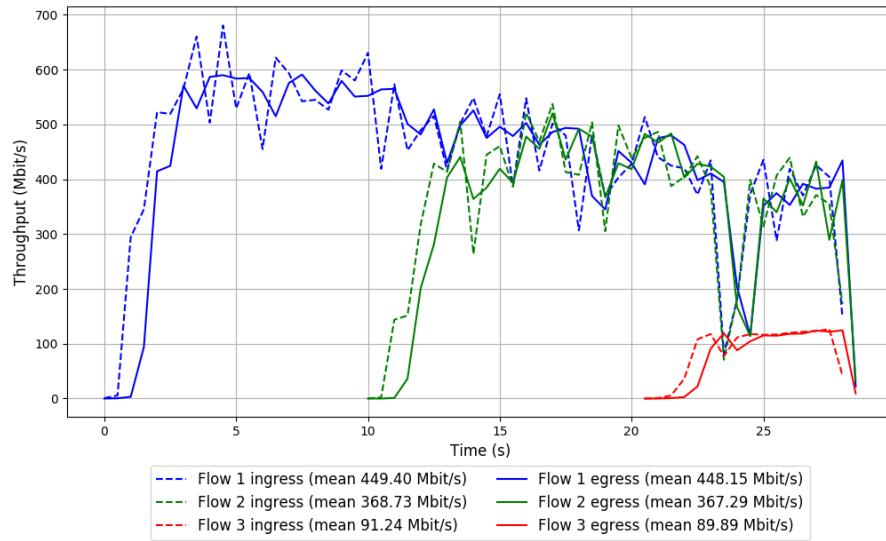


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 15:49:32
End at: 2019-11-24 15:50:02
Local clock offset: -0.118 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2019-11-24 20:00:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 703.61 Mbit/s
95th percentile per-packet one-way delay: 226.875 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 448.15 Mbit/s
95th percentile per-packet one-way delay: 230.433 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 367.29 Mbit/s
95th percentile per-packet one-way delay: 217.238 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: 134.111 ms
Loss rate: 5.01%
```

Run 2: Report of Indigo-MusesT — Data Link

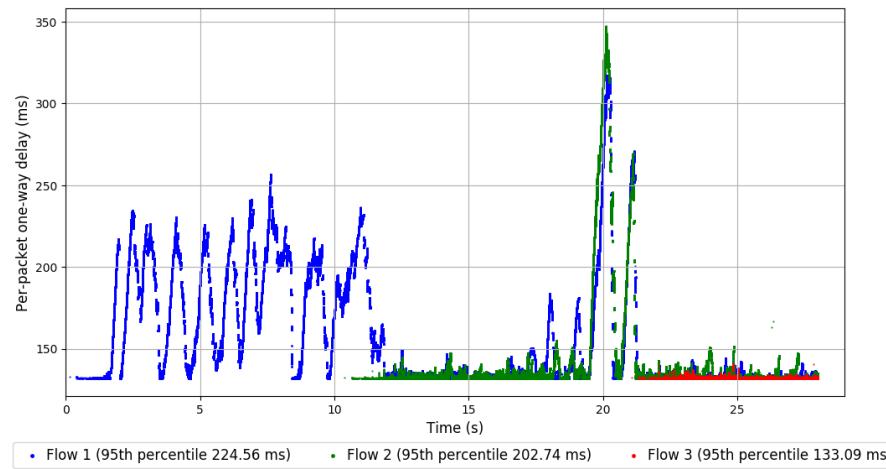
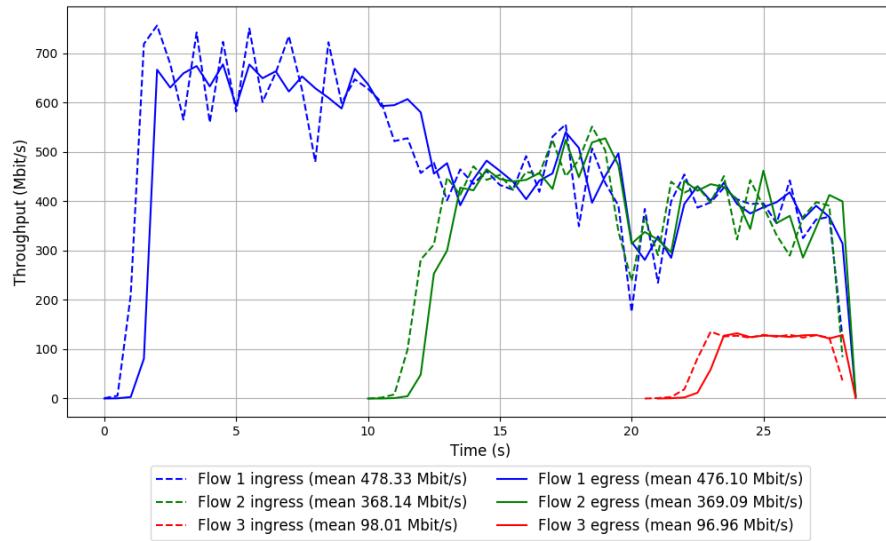


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 16:32:50
End at: 2019-11-24 16:33:20
Local clock offset: -0.101 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2019-11-24 20:03:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 733.63 Mbit/s
95th percentile per-packet one-way delay: 222.849 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 476.10 Mbit/s
95th percentile per-packet one-way delay: 224.560 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 369.09 Mbit/s
95th percentile per-packet one-way delay: 202.741 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 133.091 ms
Loss rate: 4.71%
```

Run 3: Report of Indigo-MusesT — Data Link

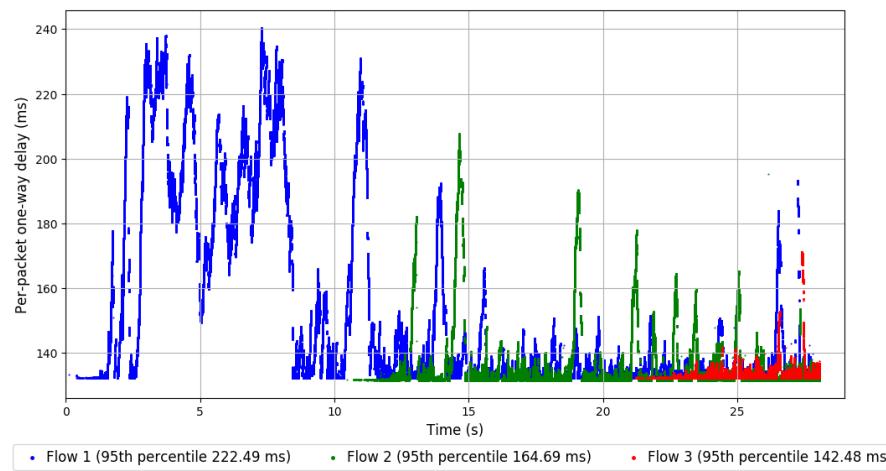
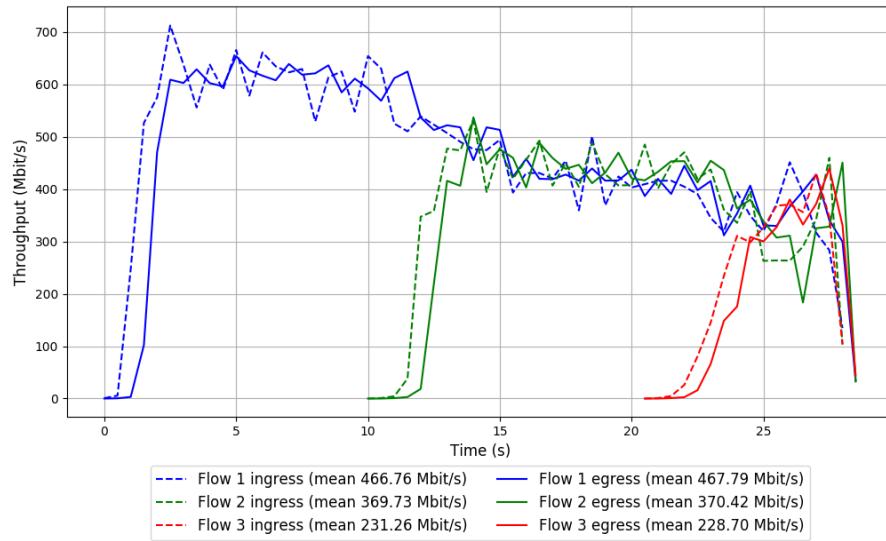


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 17:16:12
End at: 2019-11-24 17:16:42
Local clock offset: -0.139 ms
Remote clock offset: 0.291 ms

# Below is generated by plot.py at 2019-11-24 20:08:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 759.19 Mbit/s
95th percentile per-packet one-way delay: 216.254 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 467.79 Mbit/s
95th percentile per-packet one-way delay: 222.492 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 370.42 Mbit/s
95th percentile per-packet one-way delay: 164.687 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 228.70 Mbit/s
95th percentile per-packet one-way delay: 142.476 ms
Loss rate: 4.69%
```

Run 4: Report of Indigo-MusesT — Data Link

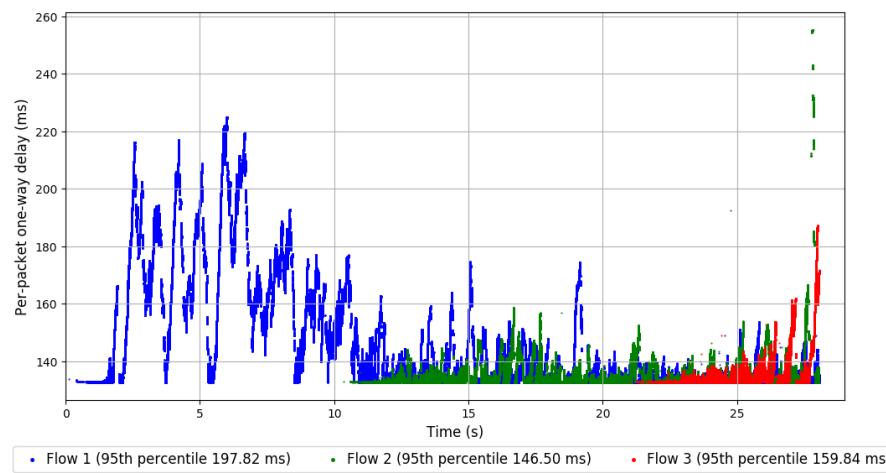
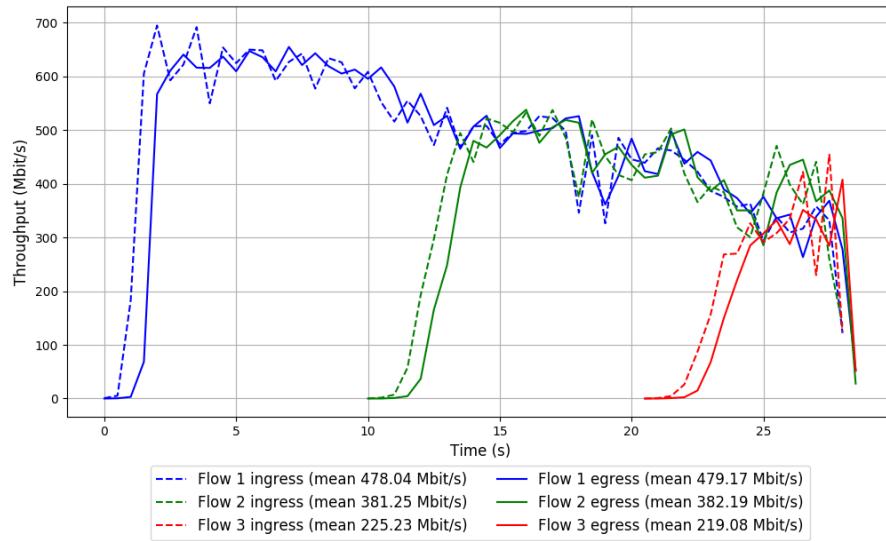


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 17:59:00
End at: 2019-11-24 17:59:30
Local clock offset: -0.186 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2019-11-24 20:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 776.98 Mbit/s
95th percentile per-packet one-way delay: 188.713 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 479.17 Mbit/s
95th percentile per-packet one-way delay: 197.819 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 382.19 Mbit/s
95th percentile per-packet one-way delay: 146.497 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 219.08 Mbit/s
95th percentile per-packet one-way delay: 159.840 ms
Loss rate: 6.28%
```

Run 5: Report of Indigo-MusesT — Data Link

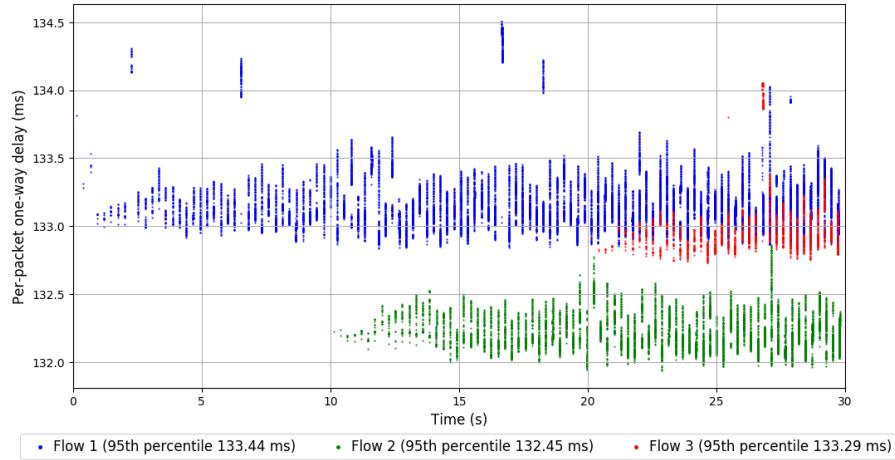
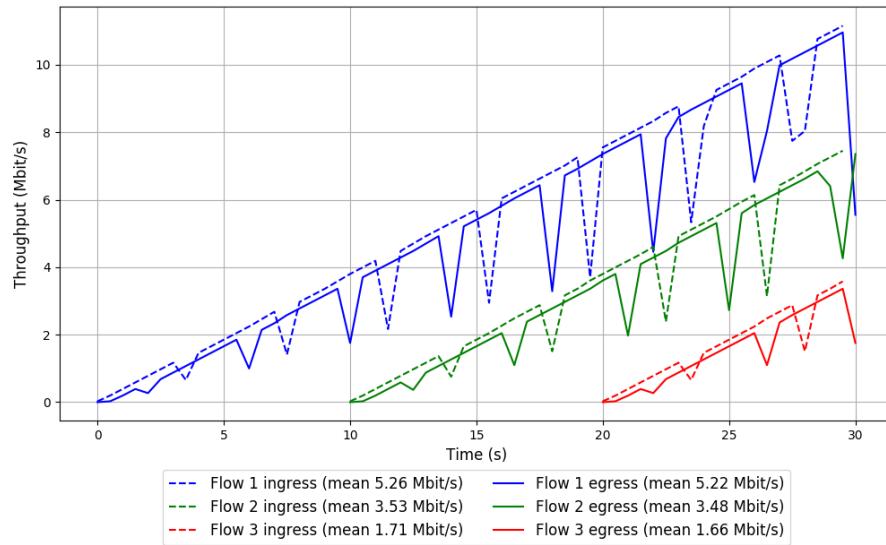


Run 1: Statistics of LEDBAT

```
Start at: 2019-11-24 15:05:03
End at: 2019-11-24 15:05:33
Local clock offset: -0.096 ms
Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2019-11-24 20:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 133.401 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 133.440 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 132.453 ms
Loss rate: 2.67%
-- Flow 3:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 133.294 ms
Loss rate: 5.42%
```

Run 1: Report of LEDBAT — Data Link

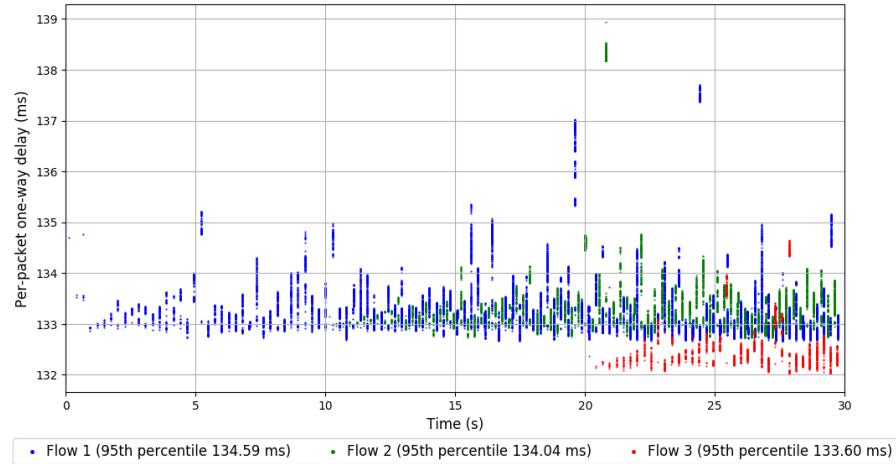
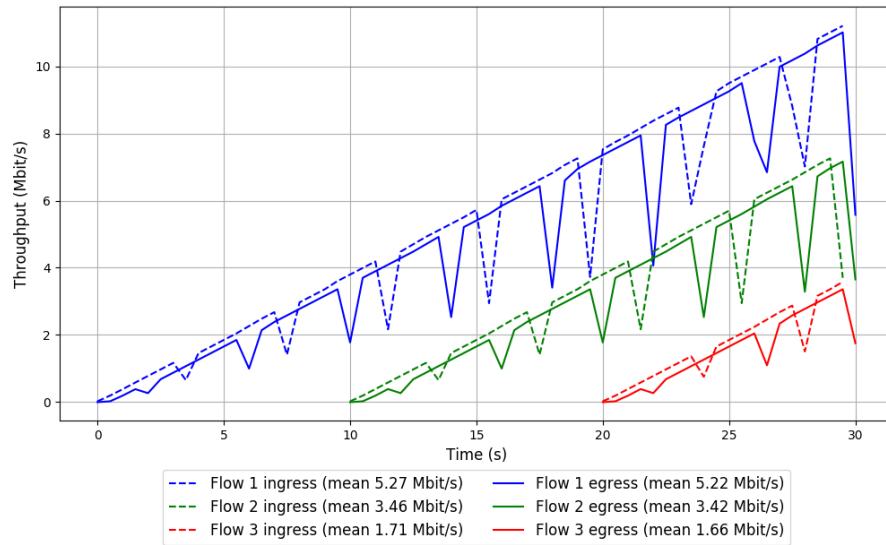


Run 2: Statistics of LEDBAT

```
Start at: 2019-11-24 15:48:12
End at: 2019-11-24 15:48:42
Local clock offset: -0.064 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2019-11-24 20:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 134.348 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 134.588 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 134.044 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 133.598 ms
Loss rate: 5.43%
```

Run 2: Report of LEDBAT — Data Link

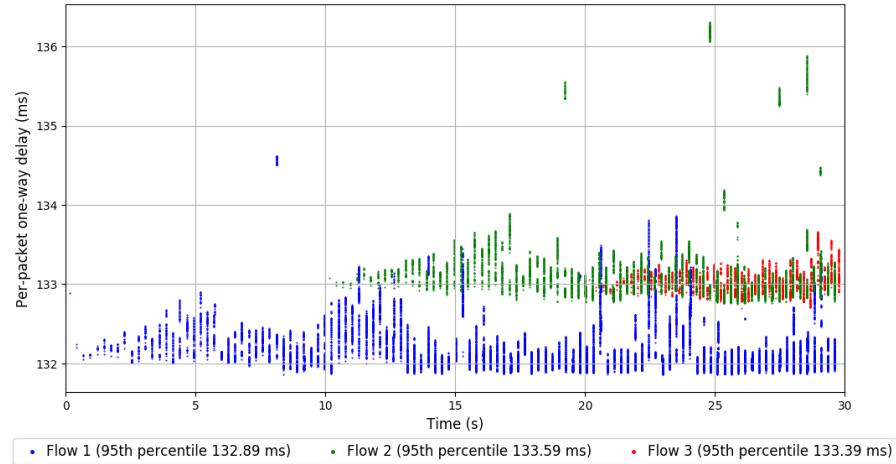
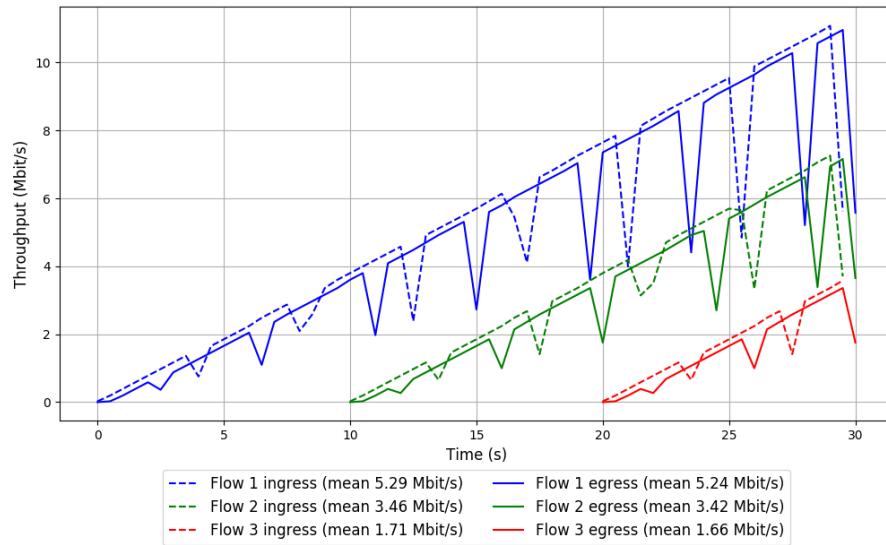


Run 3: Statistics of LEDBAT

```
Start at: 2019-11-24 16:31:30
End at: 2019-11-24 16:32:00
Local clock offset: -0.122 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2019-11-24 20:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 133.288 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 5.24 Mbit/s
95th percentile per-packet one-way delay: 132.890 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 133.586 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 133.393 ms
Loss rate: 5.42%
```

Run 3: Report of LEDBAT — Data Link

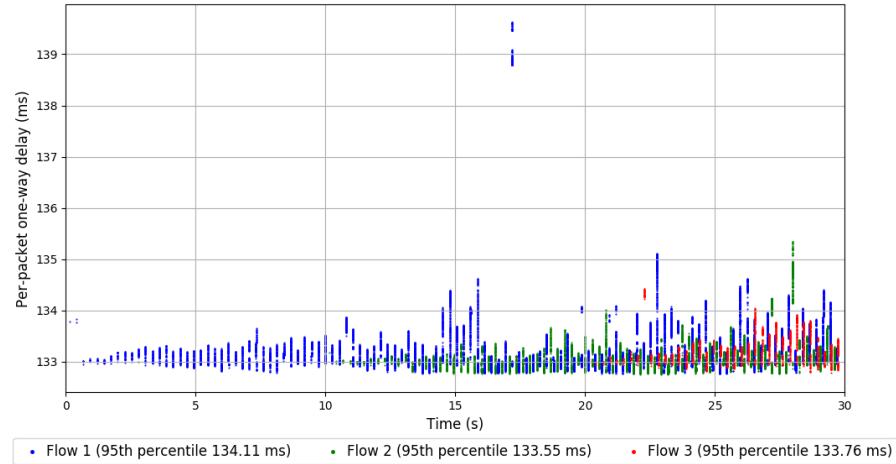
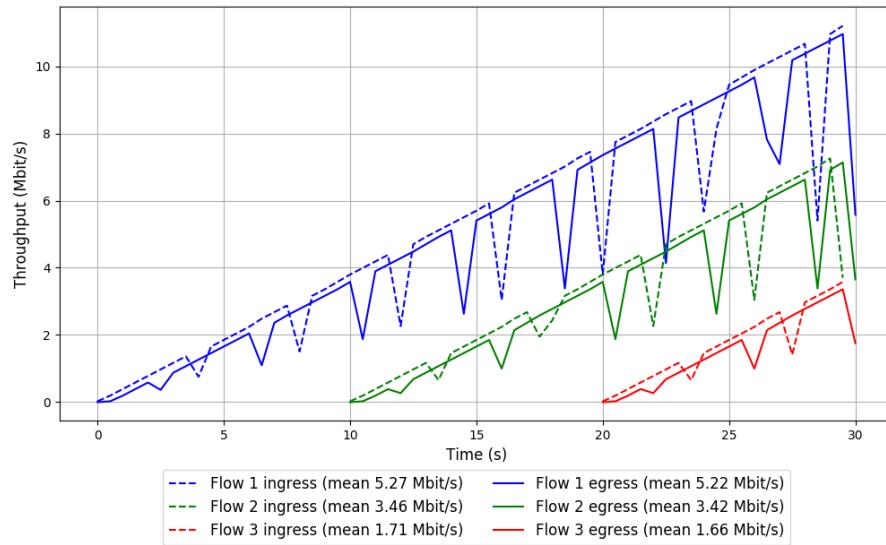


Run 4: Statistics of LEDBAT

```
Start at: 2019-11-24 17:14:52
End at: 2019-11-24 17:15:22
Local clock offset: -0.046 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2019-11-24 20:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 134.022 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 134.106 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 133.553 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 133.762 ms
Loss rate: 5.42%
```

Run 4: Report of LEDBAT — Data Link

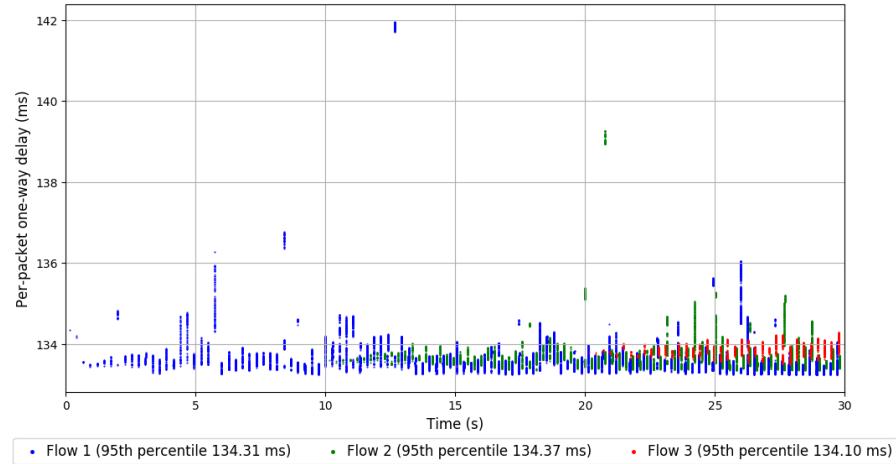
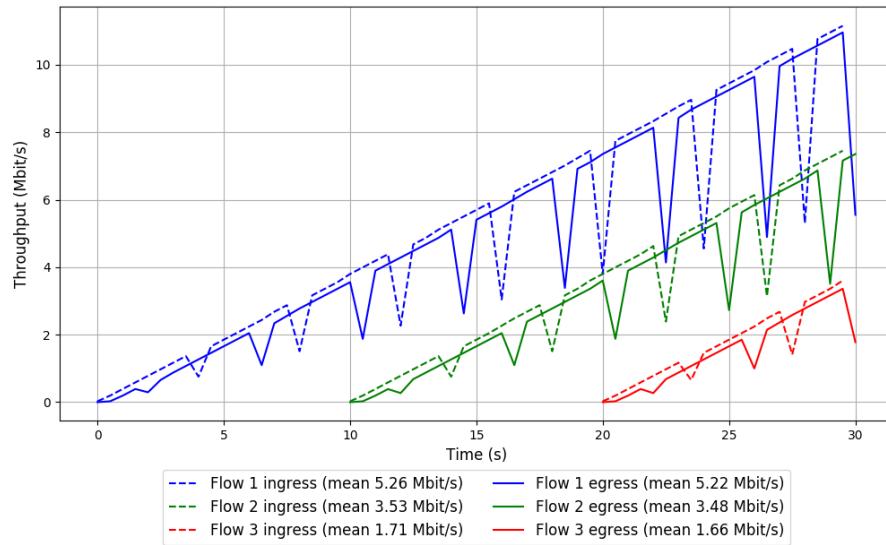


Run 5: Statistics of LEDBAT

```
Start at: 2019-11-24 17:57:39
End at: 2019-11-24 17:58:09
Local clock offset: 0.173 ms
Remote clock offset: -0.372 ms

# Below is generated by plot.py at 2019-11-24 20:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 134.278 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 134.308 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 134.371 ms
Loss rate: 2.67%
-- Flow 3:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 134.098 ms
Loss rate: 5.42%
```

Run 5: Report of LEDBAT — Data Link

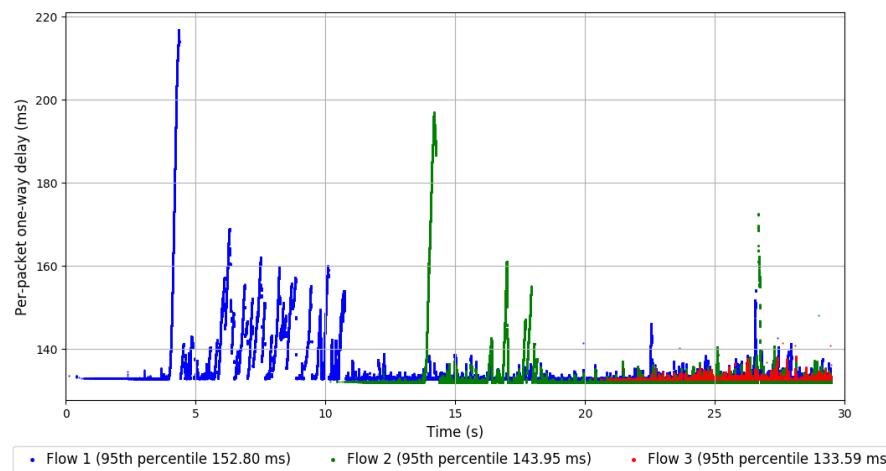
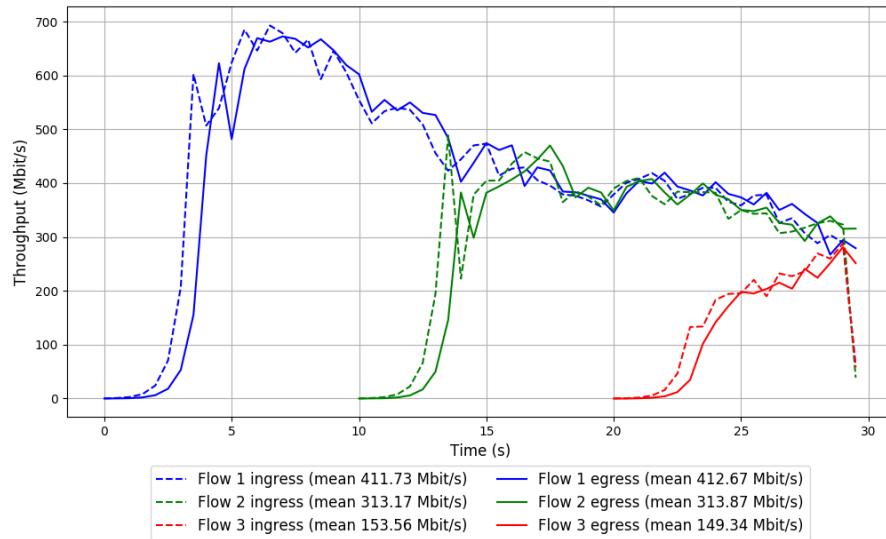


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 15:22:34
End at: 2019-11-24 15:23:04
Local clock offset: -0.112 ms
Remote clock offset: 0.083 ms

# Below is generated by plot.py at 2019-11-24 20:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 665.57 Mbit/s
95th percentile per-packet one-way delay: 151.087 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 412.67 Mbit/s
95th percentile per-packet one-way delay: 152.804 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 313.87 Mbit/s
95th percentile per-packet one-way delay: 143.946 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 149.34 Mbit/s
95th percentile per-packet one-way delay: 133.587 ms
Loss rate: 5.49%
```

Run 1: Report of Muses_DecisionTree — Data Link

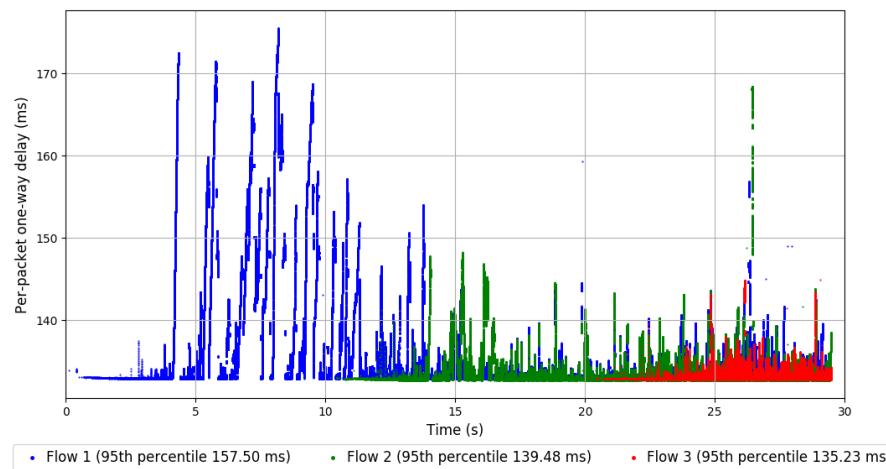
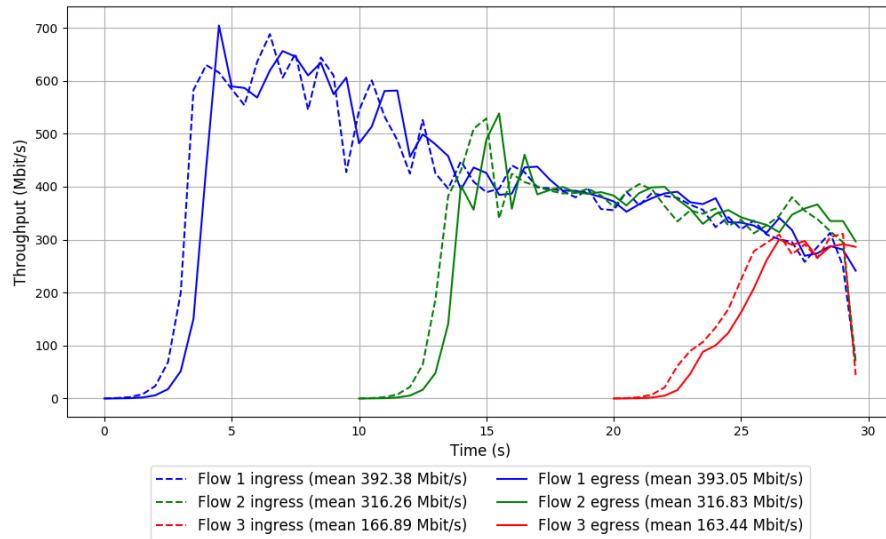


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 16:05:51
End at: 2019-11-24 16:06:21
Local clock offset: -0.052 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2019-11-24 20:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 653.08 Mbit/s
95th percentile per-packet one-way delay: 153.010 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 393.05 Mbit/s
95th percentile per-packet one-way delay: 157.499 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 316.83 Mbit/s
95th percentile per-packet one-way delay: 139.484 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 163.44 Mbit/s
95th percentile per-packet one-way delay: 135.232 ms
Loss rate: 4.84%
```

Run 2: Report of Muses_DecisionTree — Data Link

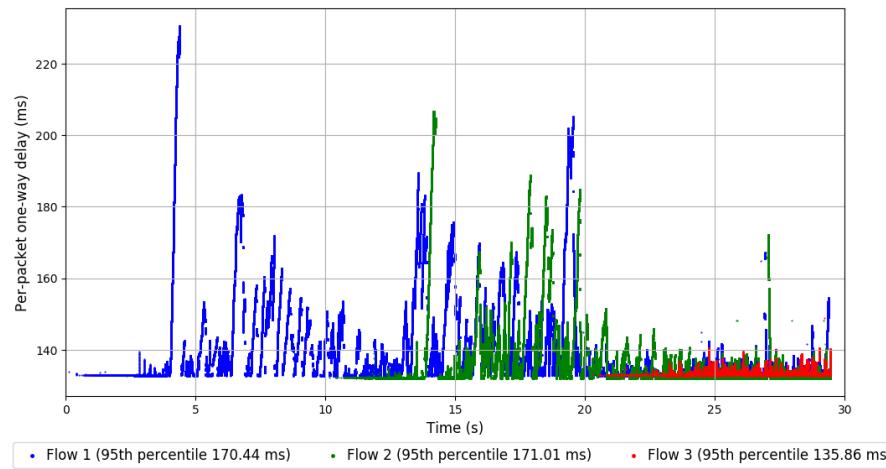
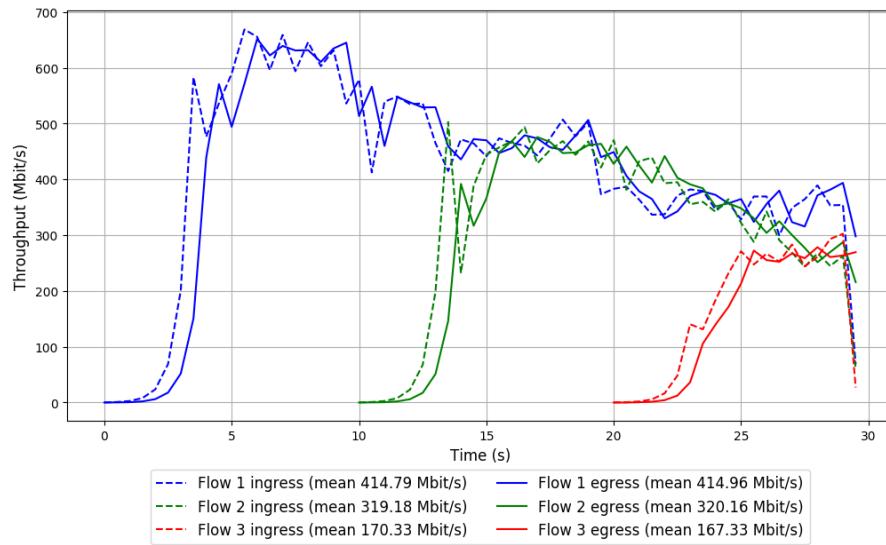


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 16:49:20
End at: 2019-11-24 16:49:50
Local clock offset: -0.024 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2019-11-24 20:09:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 677.94 Mbit/s
95th percentile per-packet one-way delay: 169.232 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 414.96 Mbit/s
95th percentile per-packet one-way delay: 170.435 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 320.16 Mbit/s
95th percentile per-packet one-way delay: 171.013 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 167.33 Mbit/s
95th percentile per-packet one-way delay: 135.857 ms
Loss rate: 4.54%
```

Run 3: Report of Muses_DecisionTree — Data Link

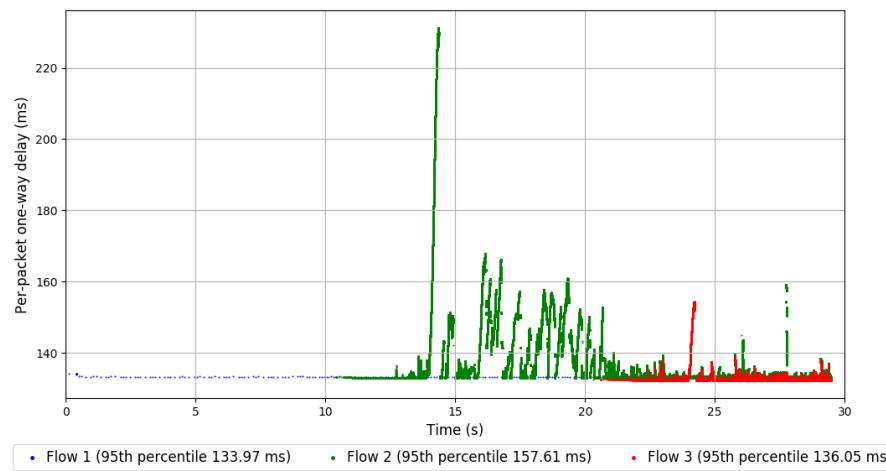
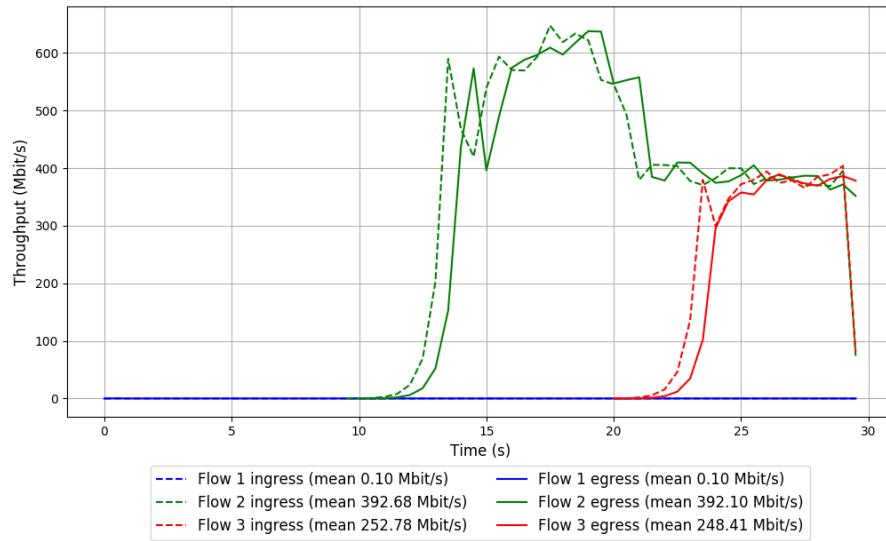


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 17:32:33
End at: 2019-11-24 17:33:03
Local clock offset: 0.246 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2019-11-24 20:09:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 335.97 Mbit/s
95th percentile per-packet one-way delay: 156.330 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 133.968 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 392.10 Mbit/s
95th percentile per-packet one-way delay: 157.606 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 248.41 Mbit/s
95th percentile per-packet one-way delay: 136.054 ms
Loss rate: 4.50%
```

Run 4: Report of Muses_DecisionTree — Data Link

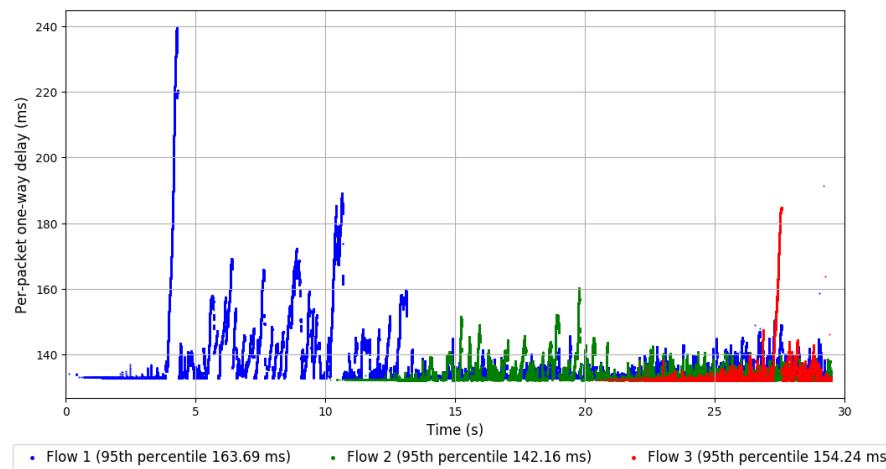
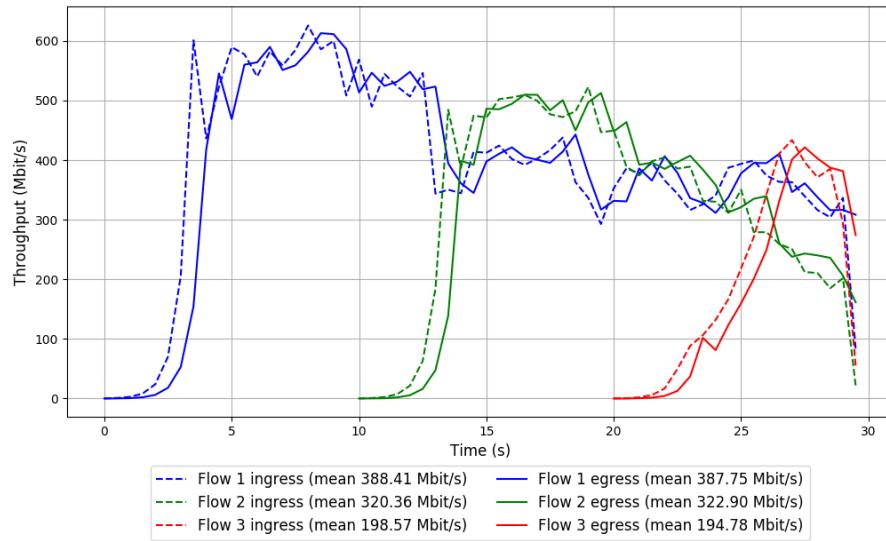


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 18:15:24
End at: 2019-11-24 18:15:54
Local clock offset: 0.258 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2019-11-24 20:13:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 660.83 Mbit/s
95th percentile per-packet one-way delay: 156.619 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 387.75 Mbit/s
95th percentile per-packet one-way delay: 163.686 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 322.90 Mbit/s
95th percentile per-packet one-way delay: 142.158 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 194.78 Mbit/s
95th percentile per-packet one-way delay: 154.244 ms
Loss rate: 4.68%
```

Run 5: Report of Muses_DecisionTree — Data Link

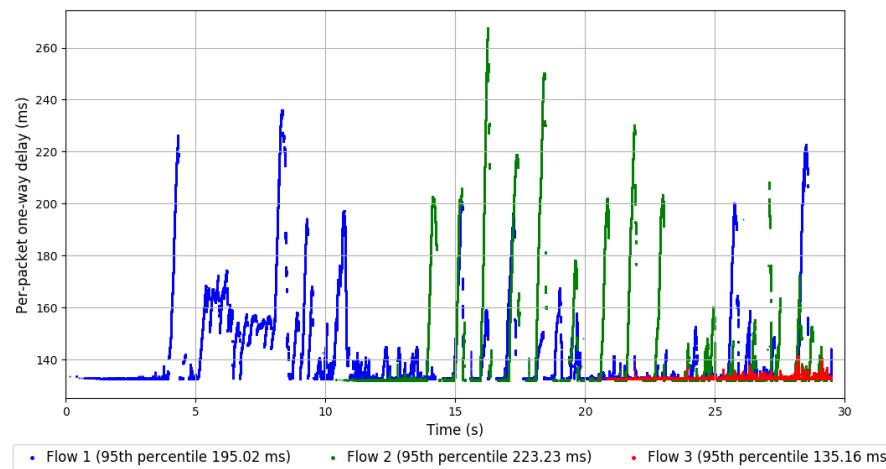
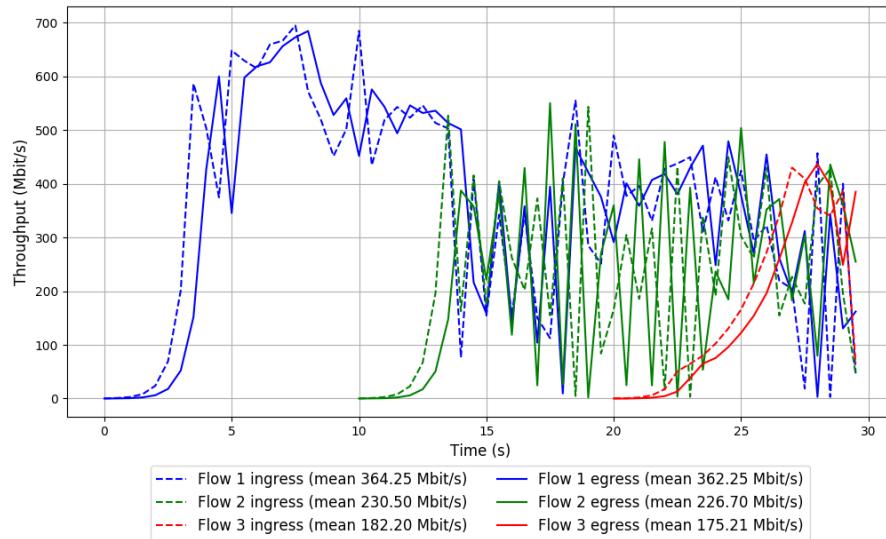


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 15:31:58
End at: 2019-11-24 15:32:28
Local clock offset: -0.067 ms
Remote clock offset: 0.044 ms

# Below is generated by plot.py at 2019-11-24 20:15:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 566.46 Mbit/s
95th percentile per-packet one-way delay: 201.828 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 362.25 Mbit/s
95th percentile per-packet one-way delay: 195.023 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 226.70 Mbit/s
95th percentile per-packet one-way delay: 223.231 ms
Loss rate: 2.99%
-- Flow 3:
Average throughput: 175.21 Mbit/s
95th percentile per-packet one-way delay: 135.158 ms
Loss rate: 6.10%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

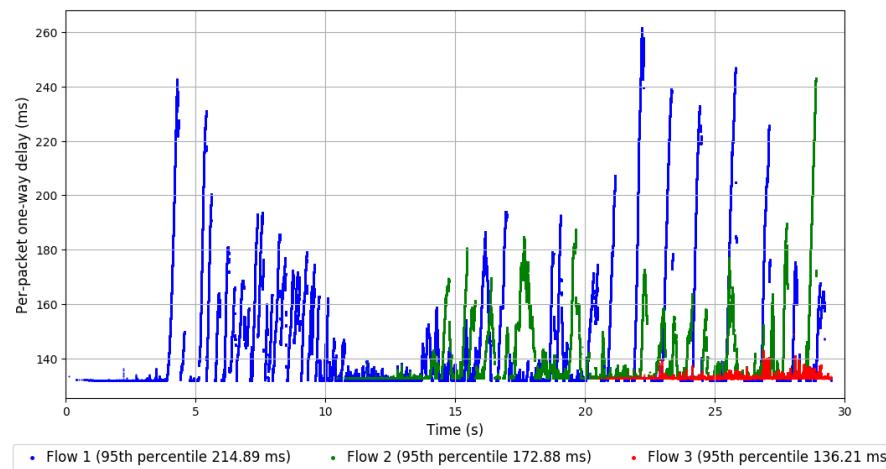
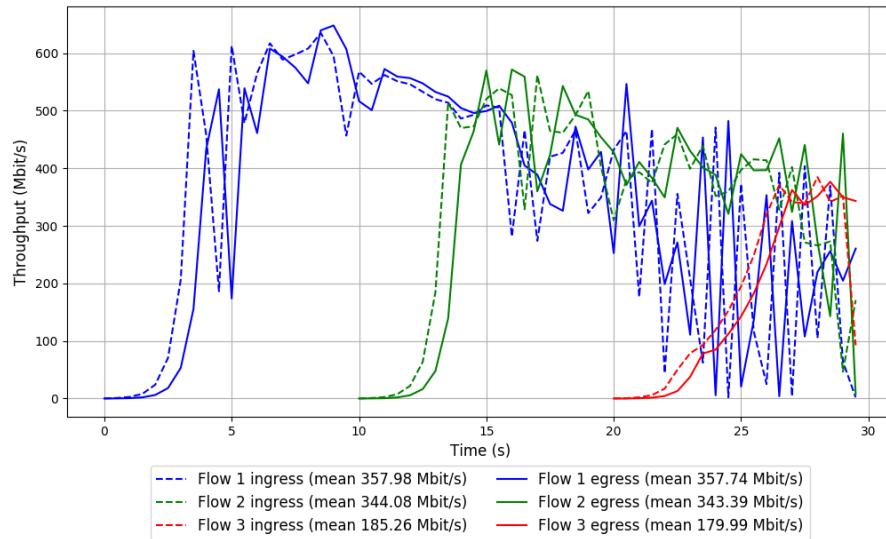


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 16:15:24
End at: 2019-11-24 16:15:54
Local clock offset: -0.16 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2019-11-24 20:18:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 640.00 Mbit/s
95th percentile per-packet one-way delay: 193.855 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 357.74 Mbit/s
95th percentile per-packet one-way delay: 214.891 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 343.39 Mbit/s
95th percentile per-packet one-way delay: 172.885 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 179.99 Mbit/s
95th percentile per-packet one-way delay: 136.214 ms
Loss rate: 5.57%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

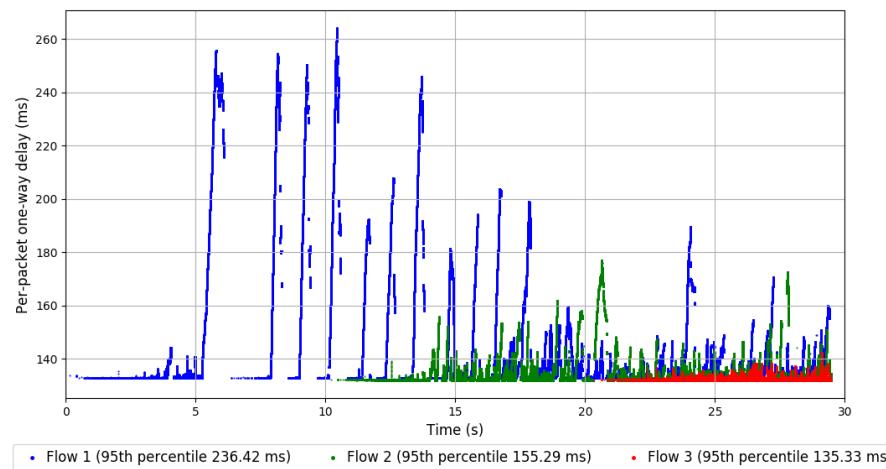
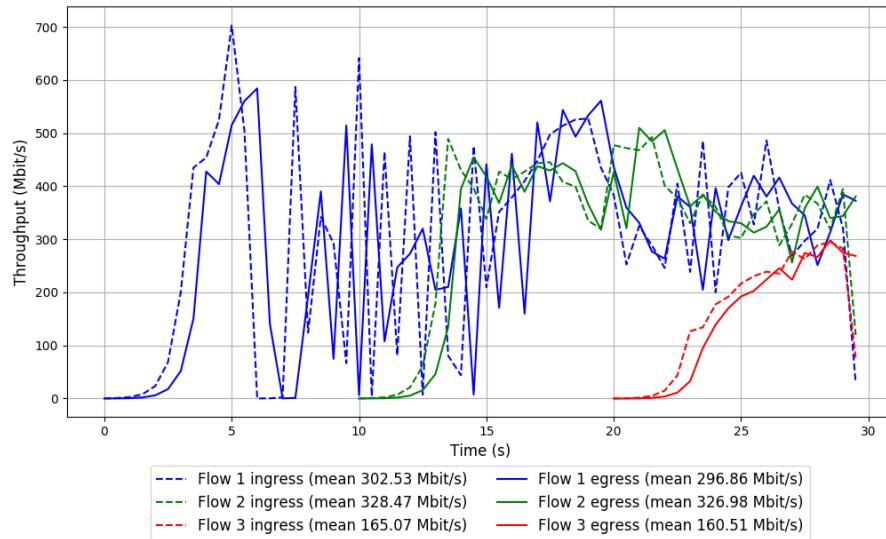


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 16:58:42
End at: 2019-11-24 16:59:12
Local clock offset: -0.093 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2019-11-24 20:19:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 561.42 Mbit/s
95th percentile per-packet one-way delay: 203.358 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 296.86 Mbit/s
95th percentile per-packet one-way delay: 236.423 ms
Loss rate: 2.63%
-- Flow 2:
Average throughput: 326.98 Mbit/s
95th percentile per-packet one-way delay: 155.291 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 160.51 Mbit/s
95th percentile per-packet one-way delay: 135.333 ms
Loss rate: 5.66%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

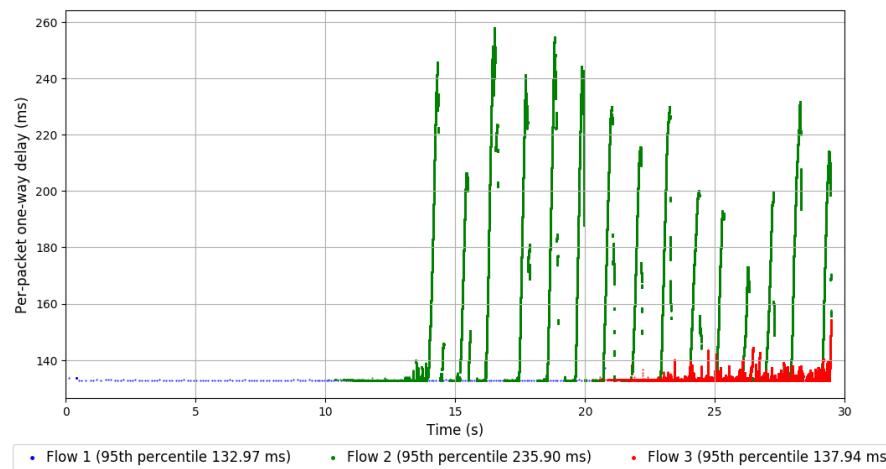
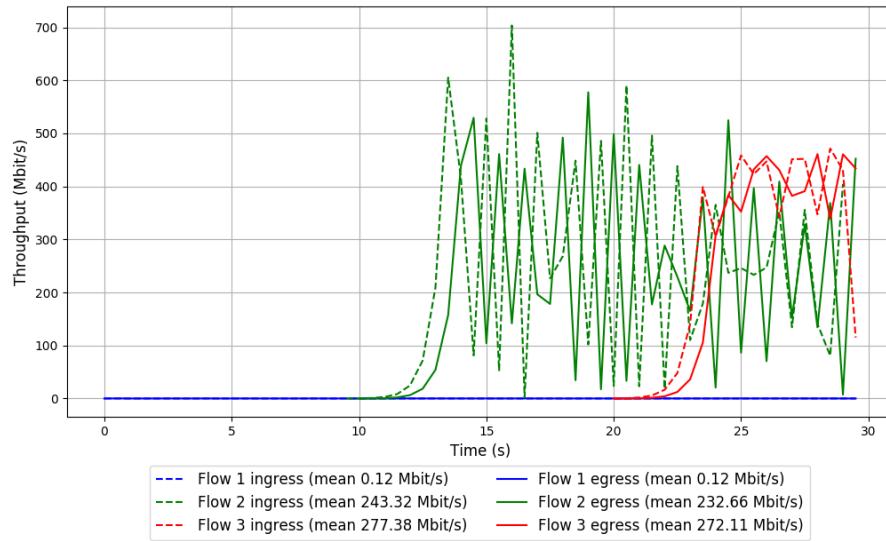


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 17:41:36
End at: 2019-11-24 17:42:06
Local clock offset: -0.111 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2019-11-24 20:19:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 238.69 Mbit/s
95th percentile per-packet one-way delay: 229.668 ms
Loss rate: 4.45%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 132.965 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 232.66 Mbit/s
95th percentile per-packet one-way delay: 235.899 ms
Loss rate: 4.33%
-- Flow 3:
Average throughput: 272.11 Mbit/s
95th percentile per-packet one-way delay: 137.936 ms
Loss rate: 4.68%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

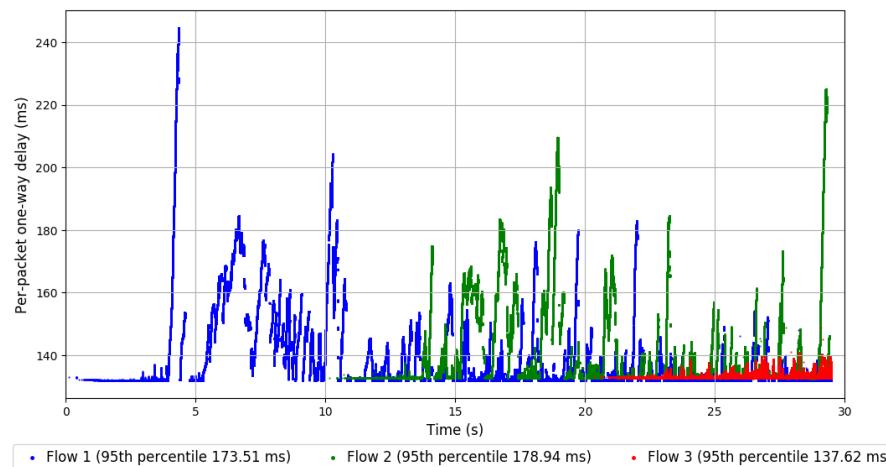
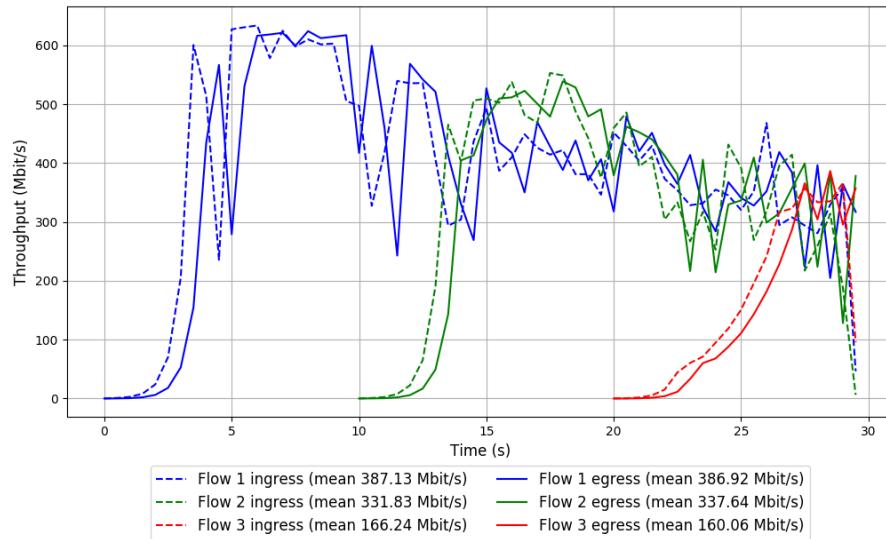


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 18:24:47
End at: 2019-11-24 18:25:17
Local clock offset: -0.063 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2019-11-24 20:21:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 658.10 Mbit/s
95th percentile per-packet one-way delay: 173.414 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 386.92 Mbit/s
95th percentile per-packet one-way delay: 173.509 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 337.64 Mbit/s
95th percentile per-packet one-way delay: 178.942 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 160.06 Mbit/s
95th percentile per-packet one-way delay: 137.624 ms
Loss rate: 6.45%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

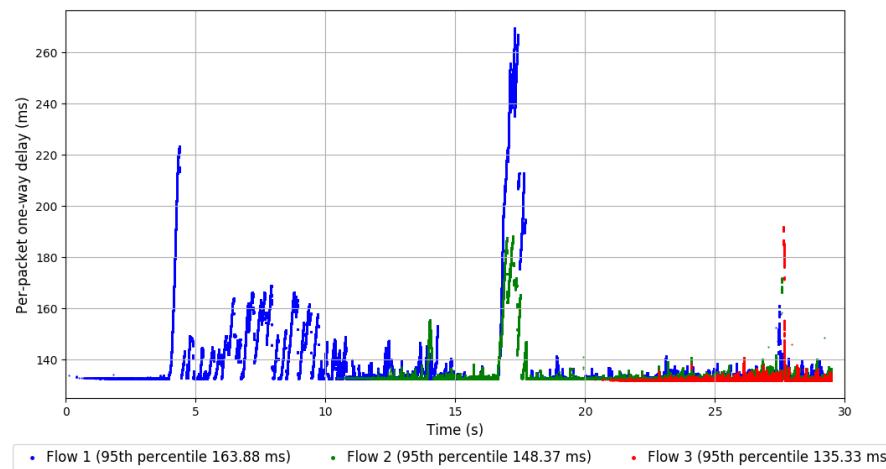
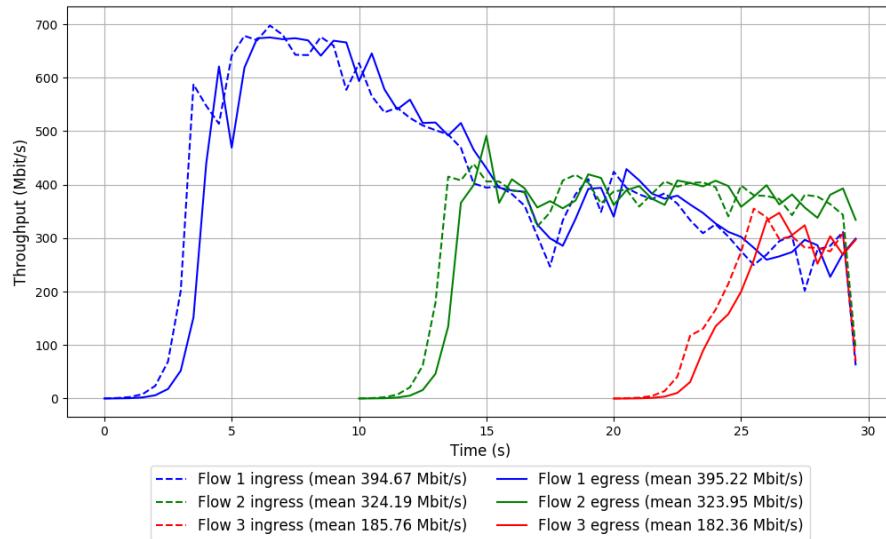


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 15:24:32
End at: 2019-11-24 15:25:02
Local clock offset: -0.15 ms
Remote clock offset: 0.053 ms

# Below is generated by plot.py at 2019-11-24 20:21:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 664.61 Mbit/s
95th percentile per-packet one-way delay: 161.528 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 395.22 Mbit/s
95th percentile per-packet one-way delay: 163.885 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 323.95 Mbit/s
95th percentile per-packet one-way delay: 148.373 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 182.36 Mbit/s
95th percentile per-packet one-way delay: 135.327 ms
Loss rate: 4.61%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

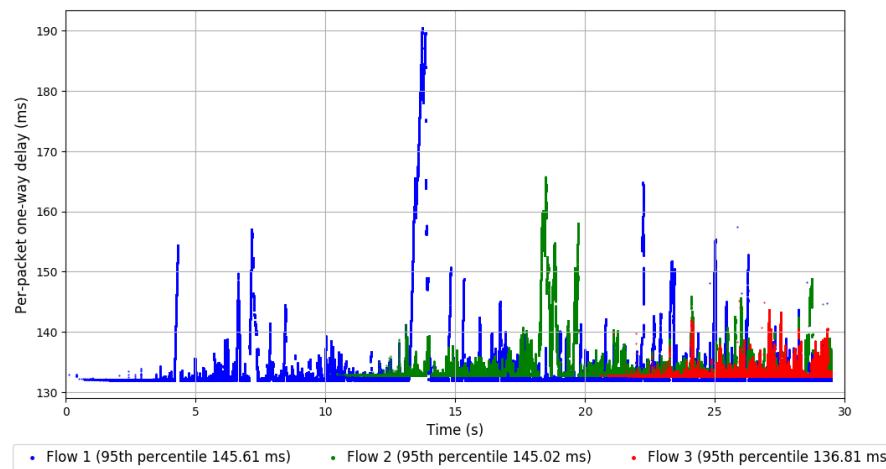
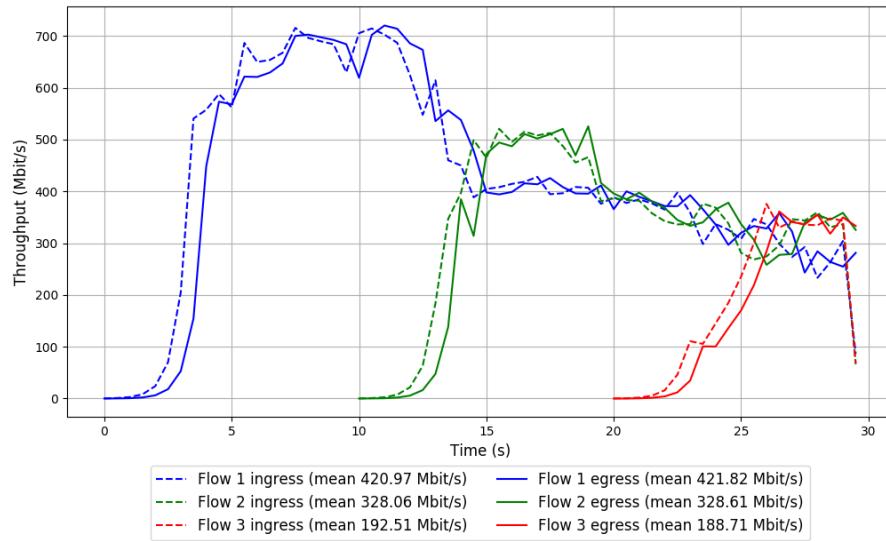


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 16:07:49
End at: 2019-11-24 16:08:19
Local clock offset: -0.104 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2019-11-24 20:23:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 696.86 Mbit/s
95th percentile per-packet one-way delay: 144.145 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 421.82 Mbit/s
95th percentile per-packet one-way delay: 145.611 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 328.61 Mbit/s
95th percentile per-packet one-way delay: 145.020 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 188.71 Mbit/s
95th percentile per-packet one-way delay: 136.814 ms
Loss rate: 4.75%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

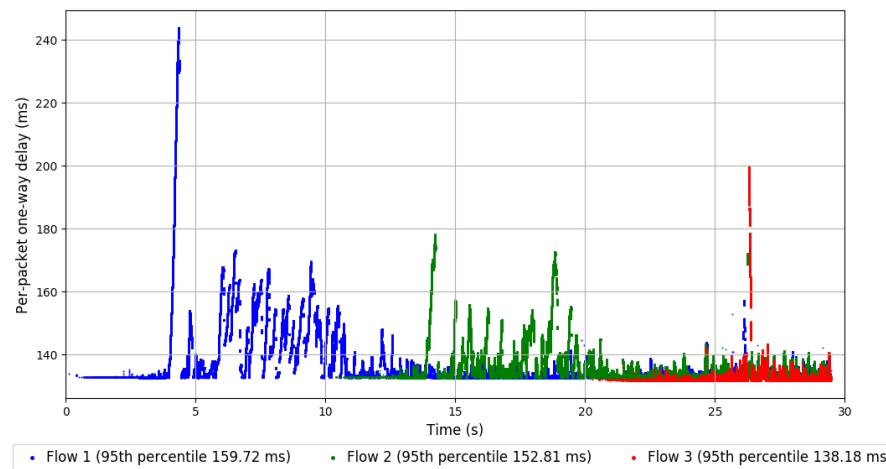
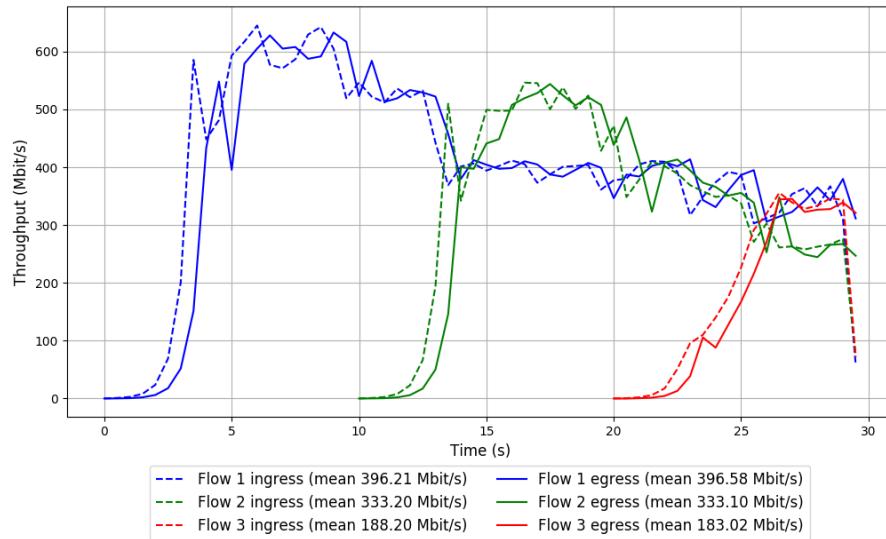


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 16:51:20
End at: 2019-11-24 16:51:50
Local clock offset: -0.076 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2019-11-24 20:26:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 673.17 Mbit/s
95th percentile per-packet one-way delay: 157.474 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 396.58 Mbit/s
95th percentile per-packet one-way delay: 159.717 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 333.10 Mbit/s
95th percentile per-packet one-way delay: 152.815 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 183.02 Mbit/s
95th percentile per-packet one-way delay: 138.176 ms
Loss rate: 5.49%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

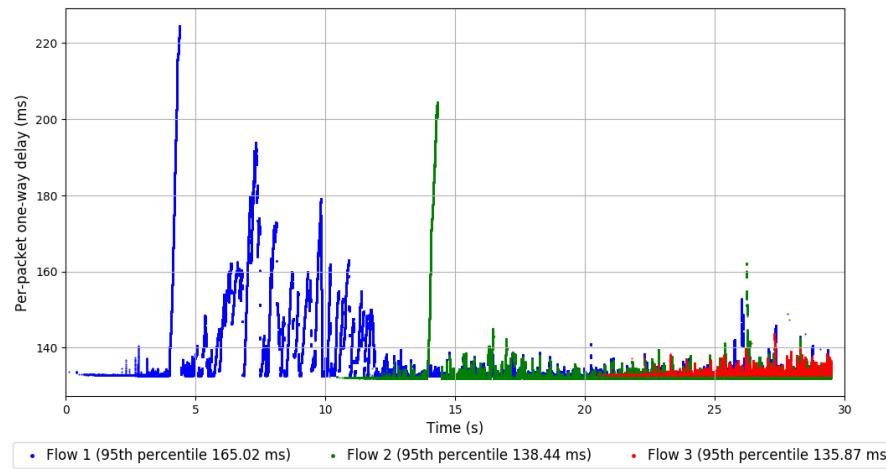
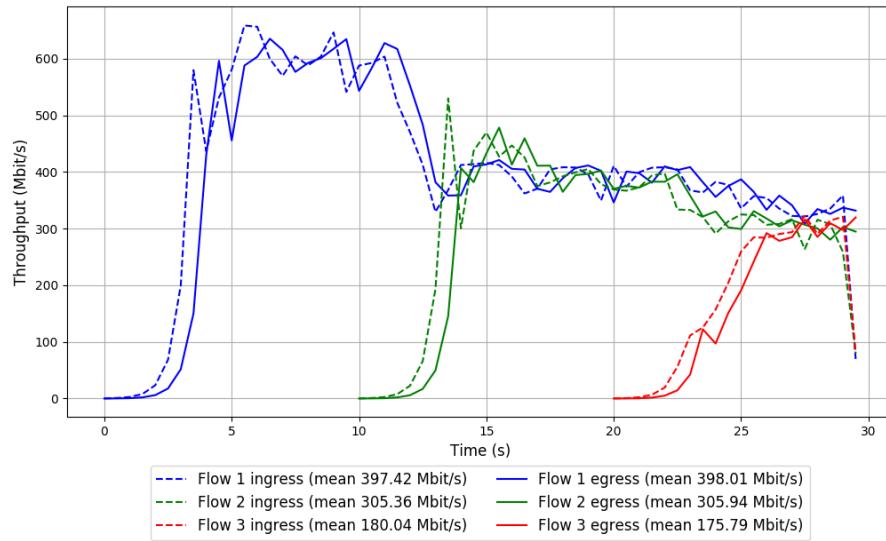


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 17:34:12
End at: 2019-11-24 17:34:42
Local clock offset: -0.11 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2019-11-24 20:26:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 654.72 Mbit/s
95th percentile per-packet one-way delay: 160.157 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 398.01 Mbit/s
95th percentile per-packet one-way delay: 165.016 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 305.94 Mbit/s
95th percentile per-packet one-way delay: 138.443 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 175.79 Mbit/s
95th percentile per-packet one-way delay: 135.870 ms
Loss rate: 5.09%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

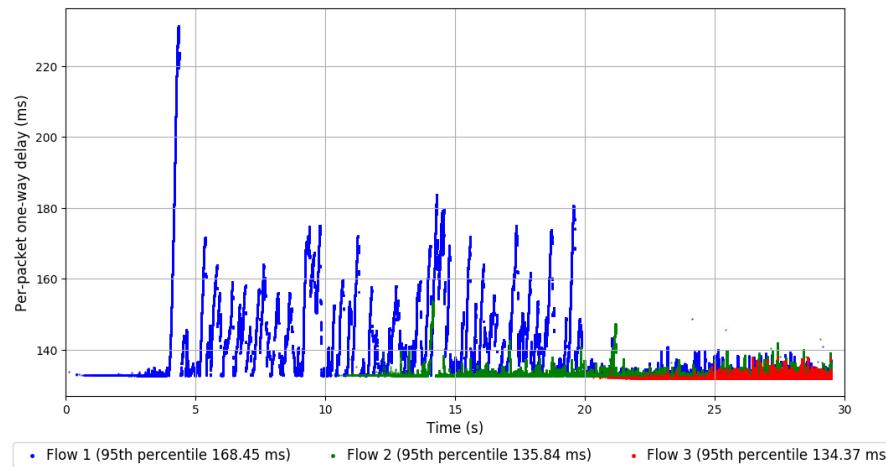
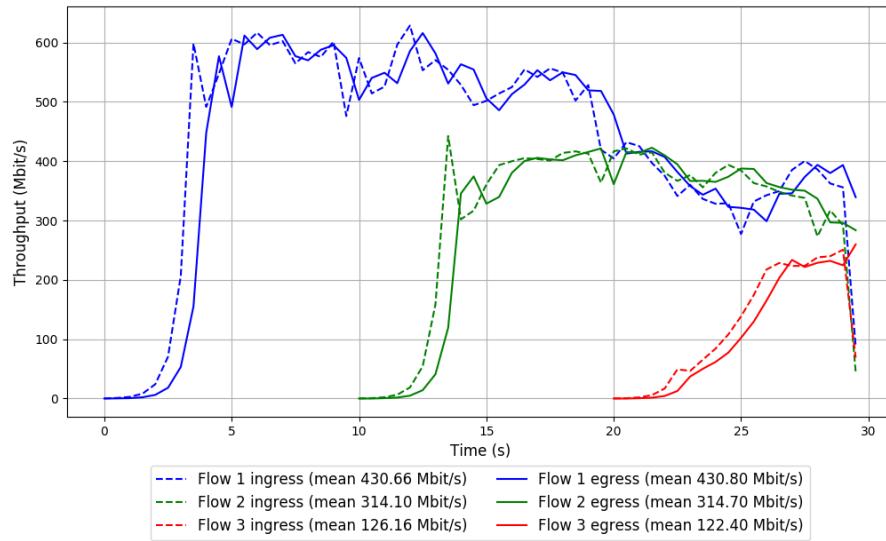


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 18:17:23
End at: 2019-11-24 18:17:53
Local clock offset: -0.073 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2019-11-24 20:28:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 675.30 Mbit/s
95th percentile per-packet one-way delay: 163.131 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 430.80 Mbit/s
95th percentile per-packet one-way delay: 168.448 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 314.70 Mbit/s
95th percentile per-packet one-way delay: 135.841 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 122.40 Mbit/s
95th percentile per-packet one-way delay: 134.372 ms
Loss rate: 5.72%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

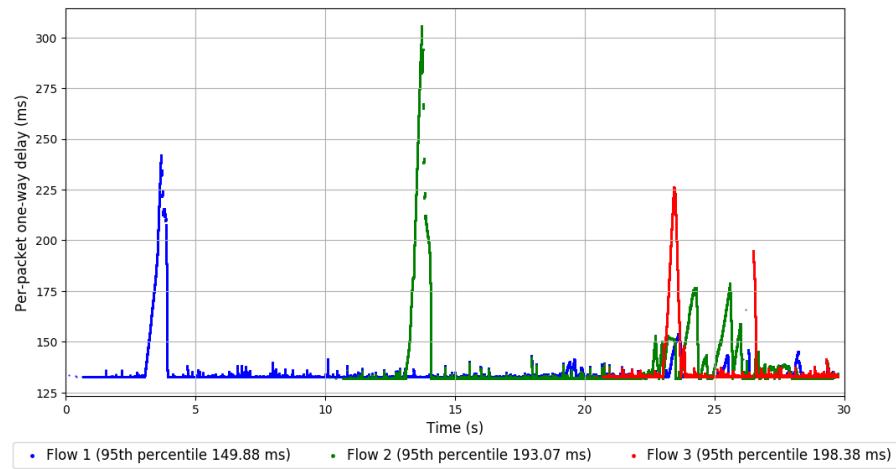
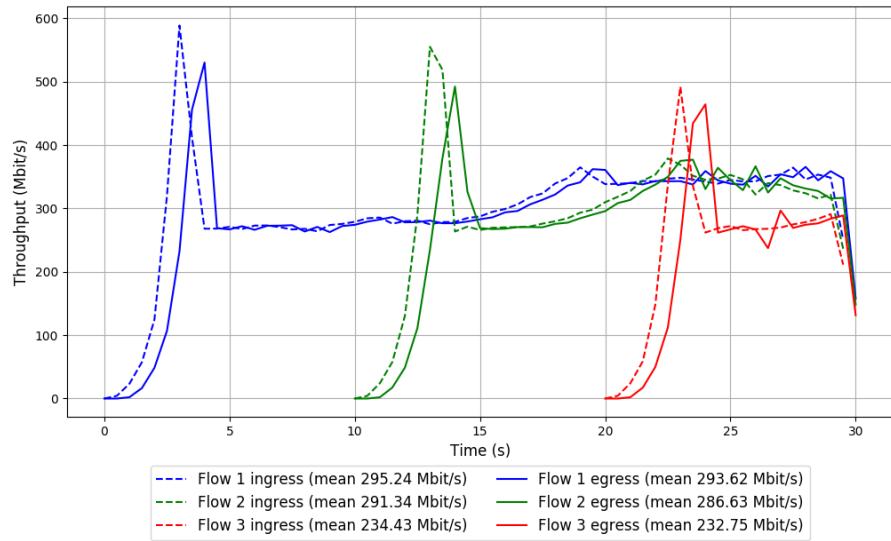


Run 1: Statistics of PCC-Allegro

```
Start at: 2019-11-24 15:12:01
End at: 2019-11-24 15:12:31
Local clock offset: -0.034 ms
Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2019-11-24 20:39:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 558.61 Mbit/s
95th percentile per-packet one-way delay: 175.819 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 293.62 Mbit/s
95th percentile per-packet one-way delay: 149.879 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 286.63 Mbit/s
95th percentile per-packet one-way delay: 193.069 ms
Loss rate: 2.94%
-- Flow 3:
Average throughput: 232.75 Mbit/s
95th percentile per-packet one-way delay: 198.381 ms
Loss rate: 3.41%
```

Run 1: Report of PCC-Allegro — Data Link

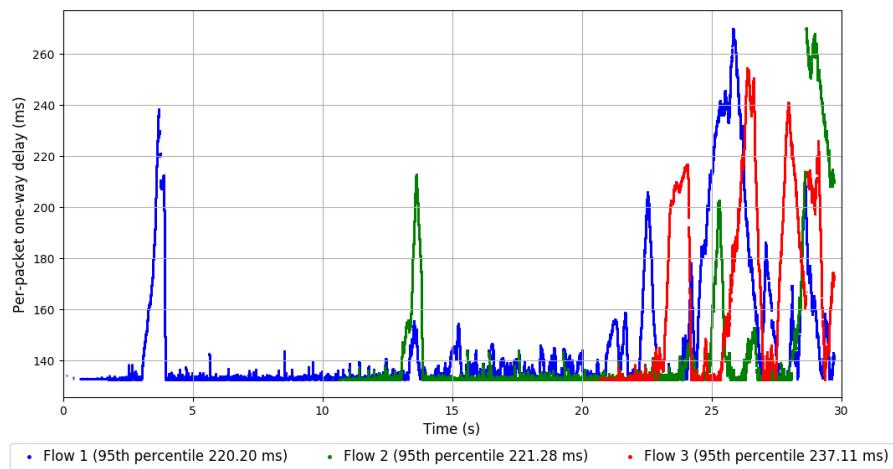
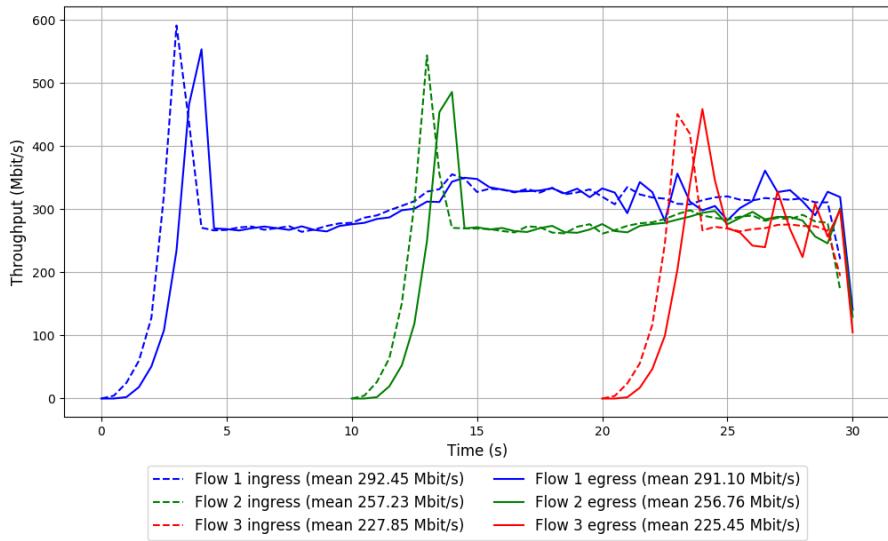


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-11-24 15:55:15
End at: 2019-11-24 15:55:45
Local clock offset: -0.124 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2019-11-24 20:39:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 534.00 Mbit/s
95th percentile per-packet one-way delay: 226.050 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 291.10 Mbit/s
95th percentile per-packet one-way delay: 220.200 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 256.76 Mbit/s
95th percentile per-packet one-way delay: 221.282 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 225.45 Mbit/s
95th percentile per-packet one-way delay: 237.107 ms
Loss rate: 3.73%
```

Run 2: Report of PCC-Allegro — Data Link

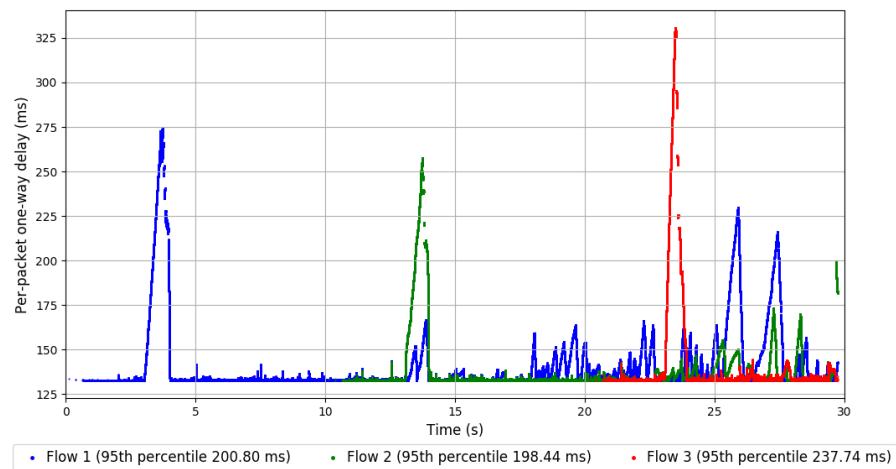
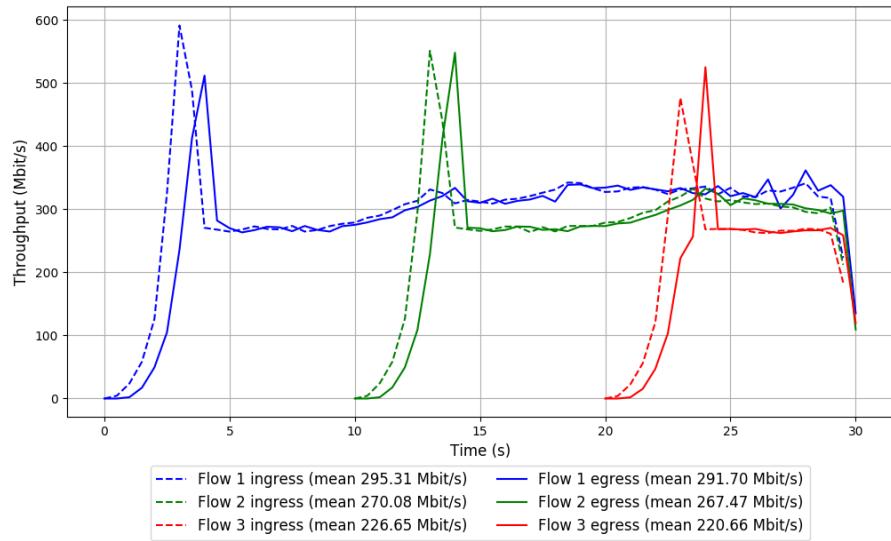


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-11-24 16:38:32
End at: 2019-11-24 16:39:02
Local clock offset: -0.085 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2019-11-24 20:42:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 540.07 Mbit/s
95th percentile per-packet one-way delay: 205.102 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 291.70 Mbit/s
95th percentile per-packet one-way delay: 200.796 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 267.47 Mbit/s
95th percentile per-packet one-way delay: 198.443 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 220.66 Mbit/s
95th percentile per-packet one-way delay: 237.742 ms
Loss rate: 5.27%
```

Run 3: Report of PCC-Allegro — Data Link

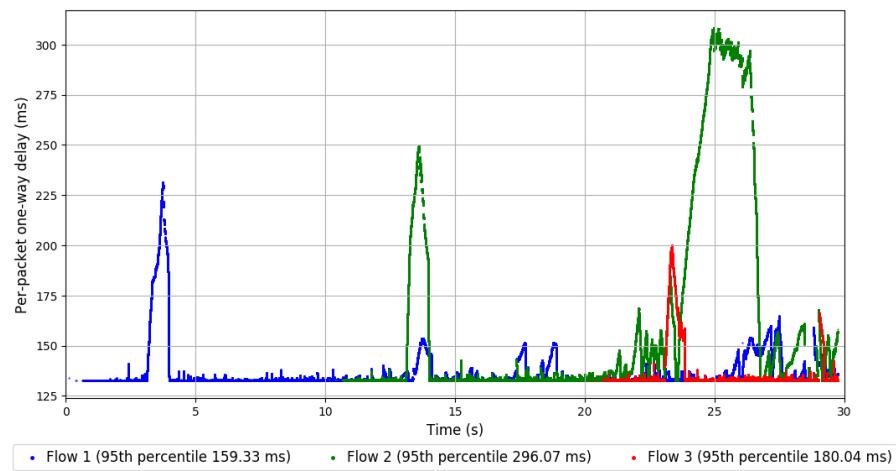
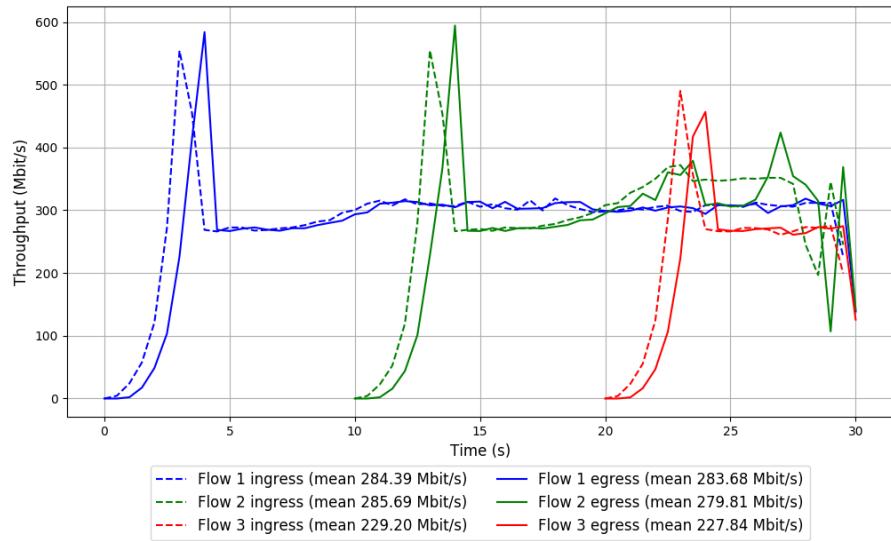


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-11-24 17:21:58
End at: 2019-11-24 17:22:28
Local clock offset: -0.137 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2019-11-24 20:42:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 542.44 Mbit/s
95th percentile per-packet one-way delay: 238.678 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 283.68 Mbit/s
95th percentile per-packet one-way delay: 159.334 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 279.81 Mbit/s
95th percentile per-packet one-way delay: 296.072 ms
Loss rate: 3.37%
-- Flow 3:
Average throughput: 227.84 Mbit/s
95th percentile per-packet one-way delay: 180.036 ms
Loss rate: 3.29%
```

Run 4: Report of PCC-Allegro — Data Link

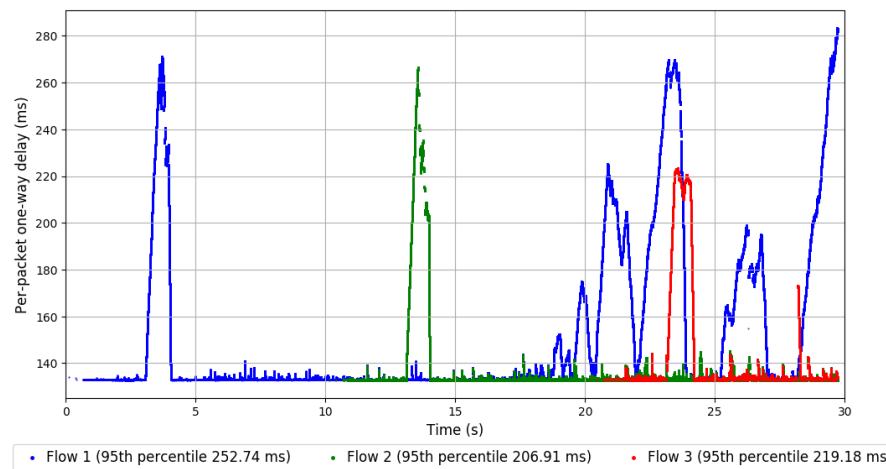
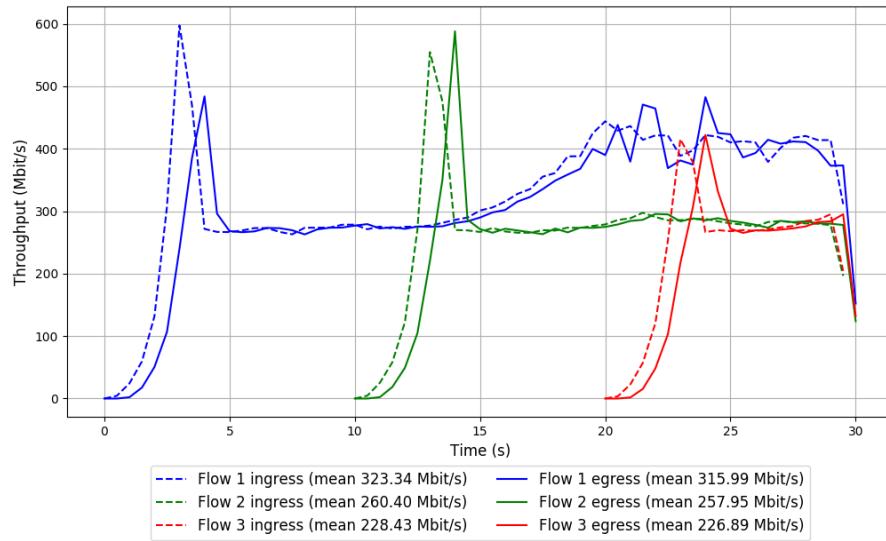


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-11-24 18:05:03
End at: 2019-11-24 18:05:33
Local clock offset: -0.153 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2019-11-24 20:44:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 559.92 Mbit/s
95th percentile per-packet one-way delay: 230.295 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 315.99 Mbit/s
95th percentile per-packet one-way delay: 252.740 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 257.95 Mbit/s
95th percentile per-packet one-way delay: 206.909 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 226.89 Mbit/s
95th percentile per-packet one-way delay: 219.177 ms
Loss rate: 3.37%
```

Run 5: Report of PCC-Allegro — Data Link

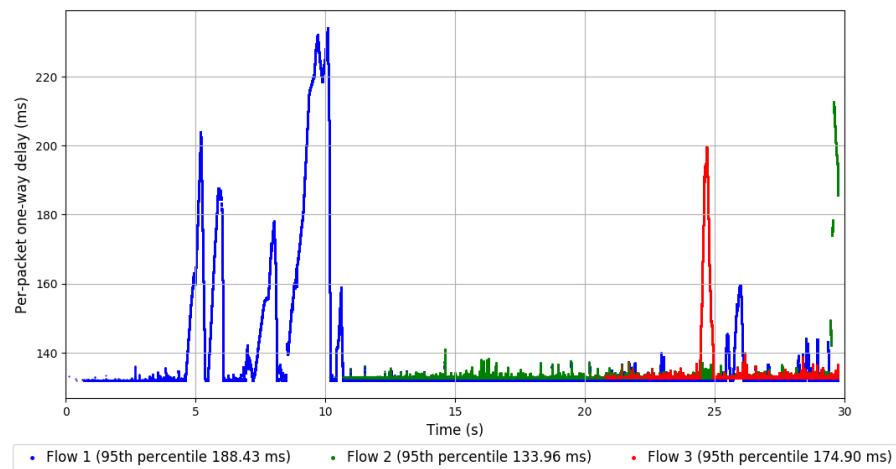
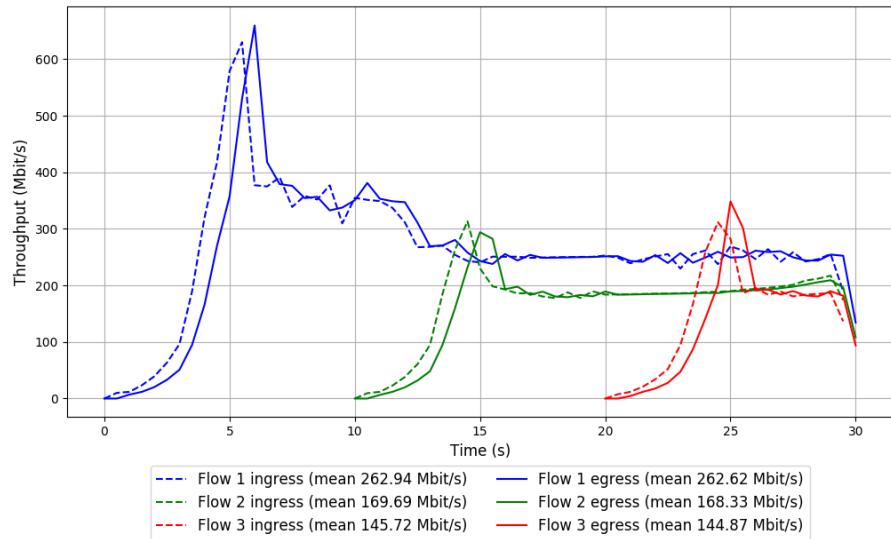


Run 1: Statistics of PCC-Expr

```
Start at: 2019-11-24 14:58:14
End at: 2019-11-24 14:58:44
Local clock offset: -0.153 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2019-11-24 20:44:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 420.92 Mbit/s
95th percentile per-packet one-way delay: 183.484 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 262.62 Mbit/s
95th percentile per-packet one-way delay: 188.426 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 168.33 Mbit/s
95th percentile per-packet one-way delay: 133.958 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 144.87 Mbit/s
95th percentile per-packet one-way delay: 174.895 ms
Loss rate: 3.28%
```

Run 1: Report of PCC-Expr — Data Link

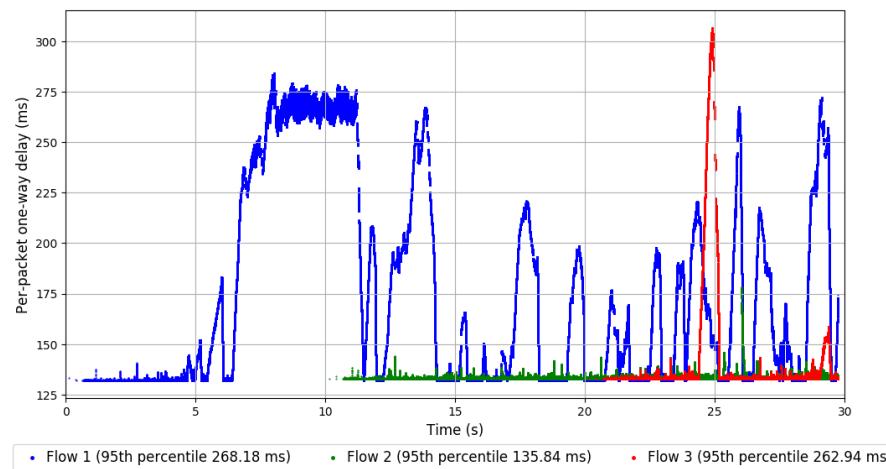
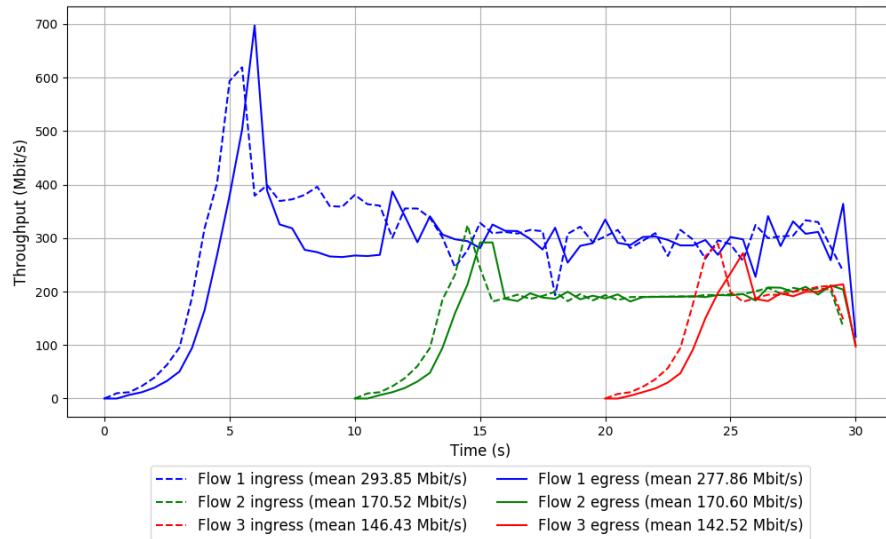


Run 2: Statistics of PCC-Expr

```
Start at: 2019-11-24 15:41:12
End at: 2019-11-24 15:41:42
Local clock offset: -0.11 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2019-11-24 20:44:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 436.97 Mbit/s
95th percentile per-packet one-way delay: 265.871 ms
Loss rate: 4.93%
-- Flow 1:
Average throughput: 277.86 Mbit/s
95th percentile per-packet one-way delay: 268.181 ms
Loss rate: 6.28%
-- Flow 2:
Average throughput: 170.60 Mbit/s
95th percentile per-packet one-way delay: 135.837 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 142.52 Mbit/s
95th percentile per-packet one-way delay: 262.940 ms
Loss rate: 5.30%
```

Run 2: Report of PCC-Expr — Data Link

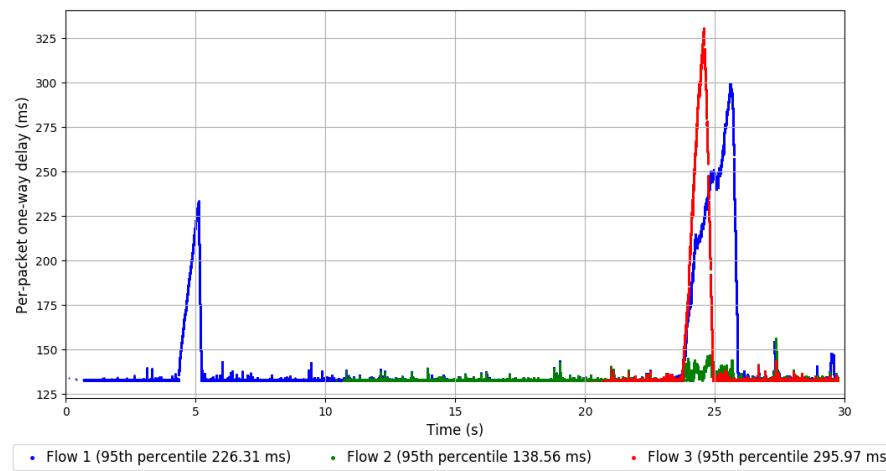
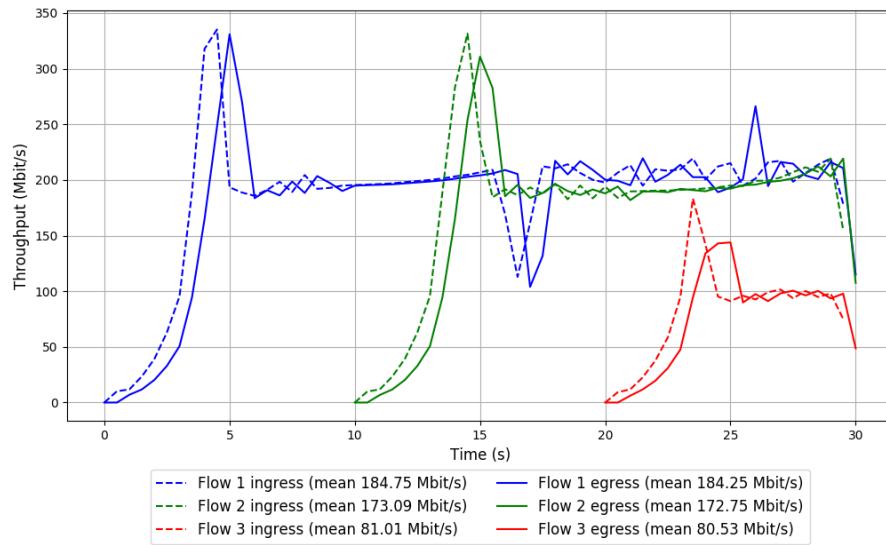


Run 3: Statistics of PCC-Expr

```
Start at: 2019-11-24 16:24:45
End at: 2019-11-24 16:25:15
Local clock offset: -0.126 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2019-11-24 20:44:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 324.71 Mbit/s
95th percentile per-packet one-way delay: 211.943 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 184.25 Mbit/s
95th percentile per-packet one-way delay: 226.305 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 172.75 Mbit/s
95th percentile per-packet one-way delay: 138.558 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 80.53 Mbit/s
95th percentile per-packet one-way delay: 295.967 ms
Loss rate: 3.28%
```

Run 3: Report of PCC-Expr — Data Link

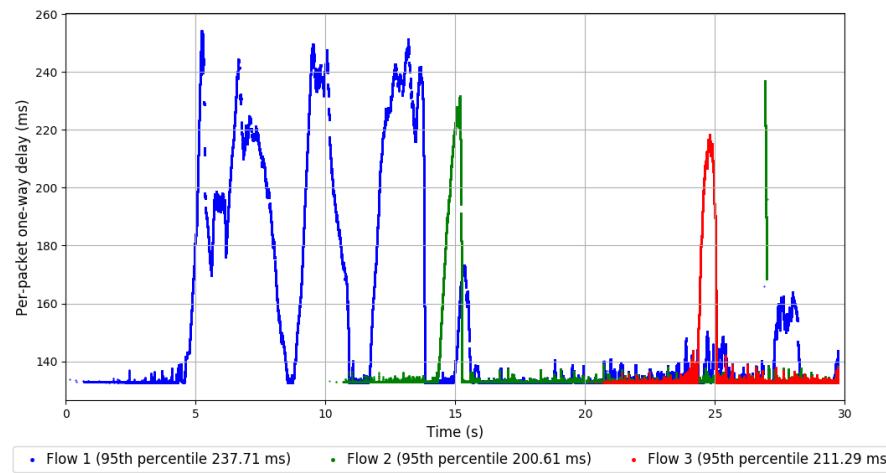
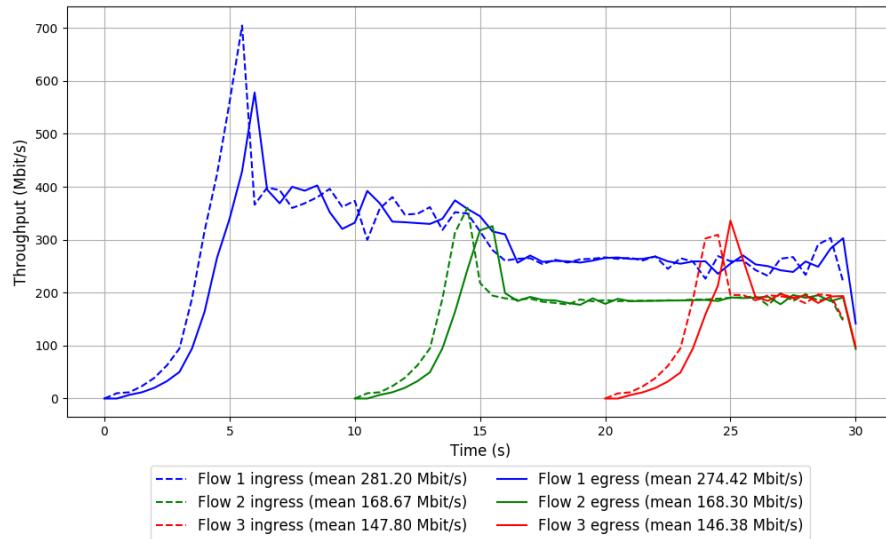


Run 4: Statistics of PCC-Expr

```
Start at: 2019-11-24 17:07:55
End at: 2019-11-24 17:08:25
Local clock offset: -0.083 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2019-11-24 20:54:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 433.28 Mbit/s
95th percentile per-packet one-way delay: 232.370 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 274.42 Mbit/s
95th percentile per-packet one-way delay: 237.708 ms
Loss rate: 3.28%
-- Flow 2:
Average throughput: 168.30 Mbit/s
95th percentile per-packet one-way delay: 200.609 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 146.38 Mbit/s
95th percentile per-packet one-way delay: 211.290 ms
Loss rate: 3.63%
```

Run 4: Report of PCC-Expr — Data Link

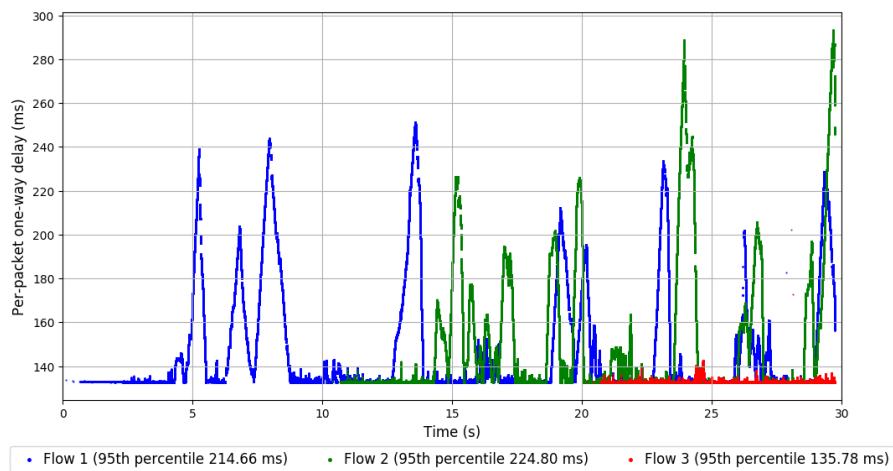
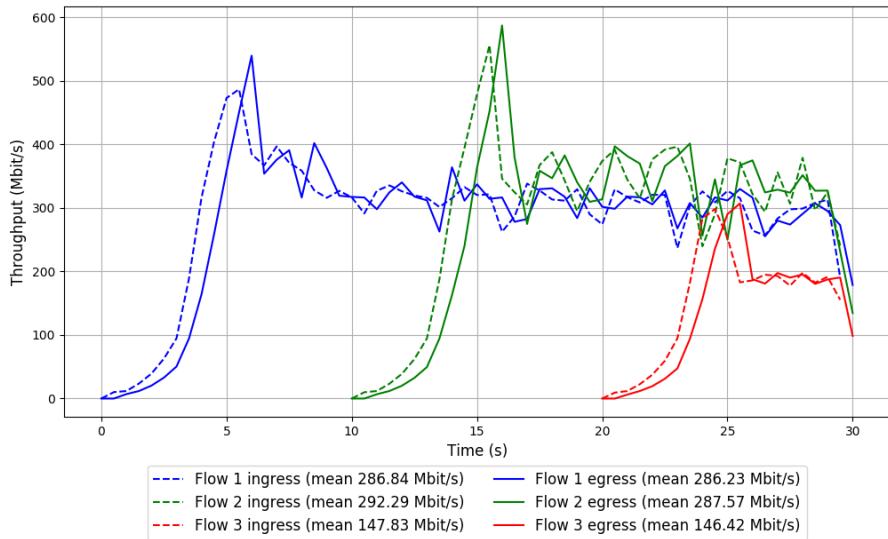


Run 5: Statistics of PCC-Expr

```
Start at: 2019-11-24 17:50:32
End at: 2019-11-24 17:51:02
Local clock offset: -0.164 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 524.04 Mbit/s
95th percentile per-packet one-way delay: 217.721 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 286.23 Mbit/s
95th percentile per-packet one-way delay: 214.655 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 287.57 Mbit/s
95th percentile per-packet one-way delay: 224.796 ms
Loss rate: 2.93%
-- Flow 3:
Average throughput: 146.42 Mbit/s
95th percentile per-packet one-way delay: 135.780 ms
Loss rate: 3.63%
```

Run 5: Report of PCC-Expr — Data Link

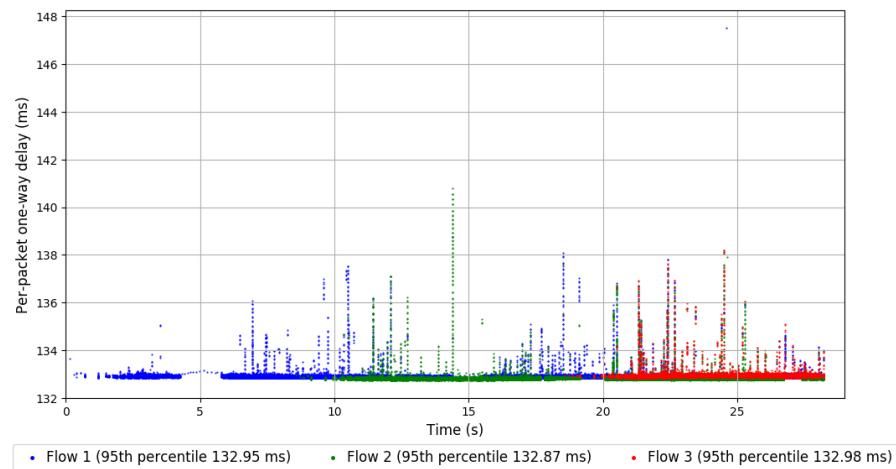
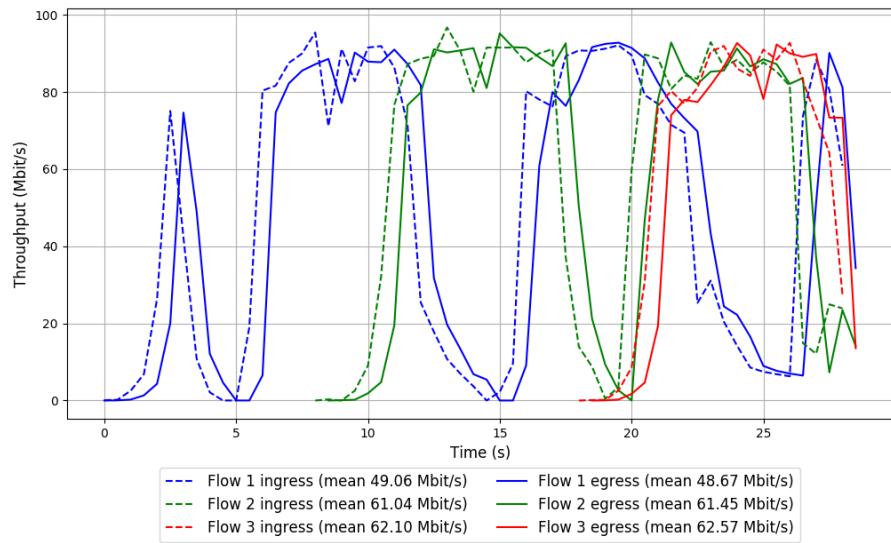


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-11-24 15:26:31
End at: 2019-11-24 15:27:01
Local clock offset: -0.062 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 113.12 Mbit/s
95th percentile per-packet one-way delay: 132.950 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 48.67 Mbit/s
95th percentile per-packet one-way delay: 132.948 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 61.45 Mbit/s
95th percentile per-packet one-way delay: 132.867 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 62.57 Mbit/s
95th percentile per-packet one-way delay: 132.978 ms
Loss rate: 1.96%
```

Run 1: Report of QUIC Cubic — Data Link

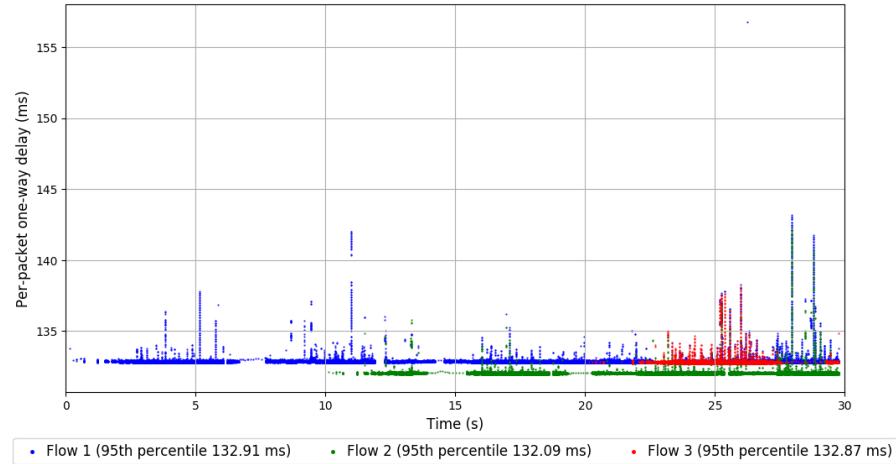
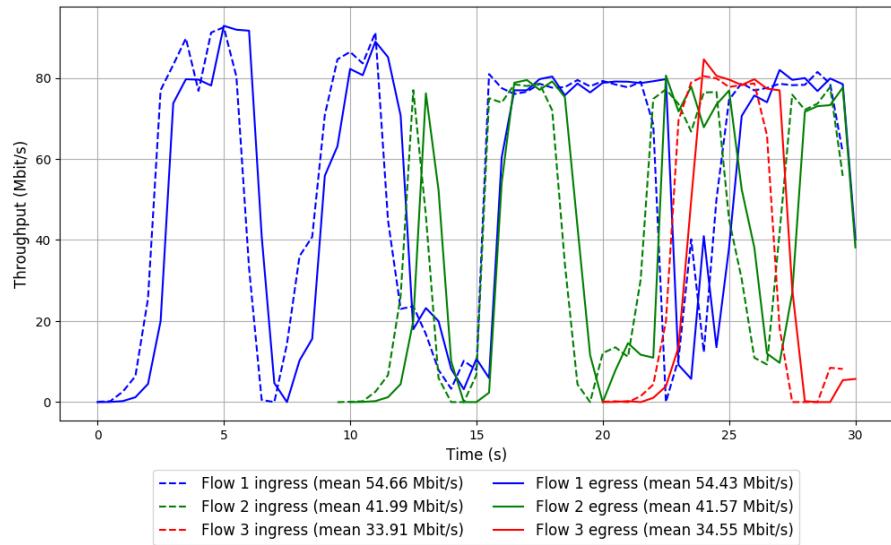


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-11-24 16:09:50
End at: 2019-11-24 16:10:20
Local clock offset: -0.109 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 132.899 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 54.43 Mbit/s
95th percentile per-packet one-way delay: 132.913 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 41.57 Mbit/s
95th percentile per-packet one-way delay: 132.090 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 34.55 Mbit/s
95th percentile per-packet one-way delay: 132.867 ms
Loss rate: 0.83%
```

Run 2: Report of QUIC Cubic — Data Link

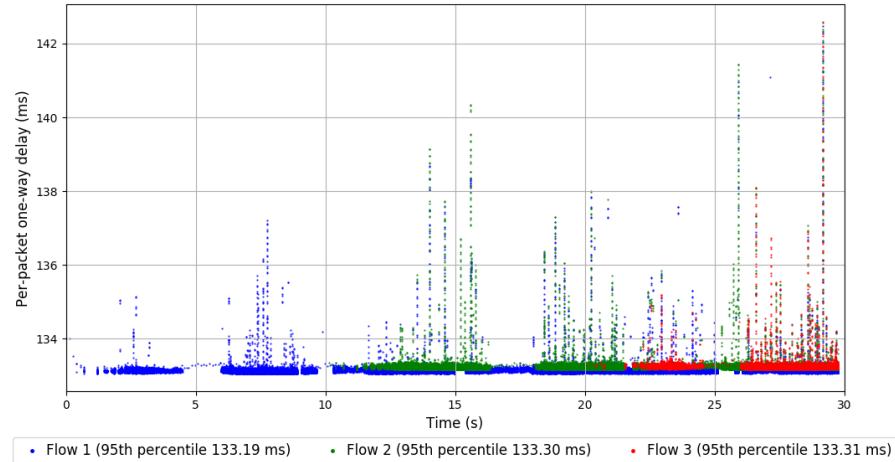
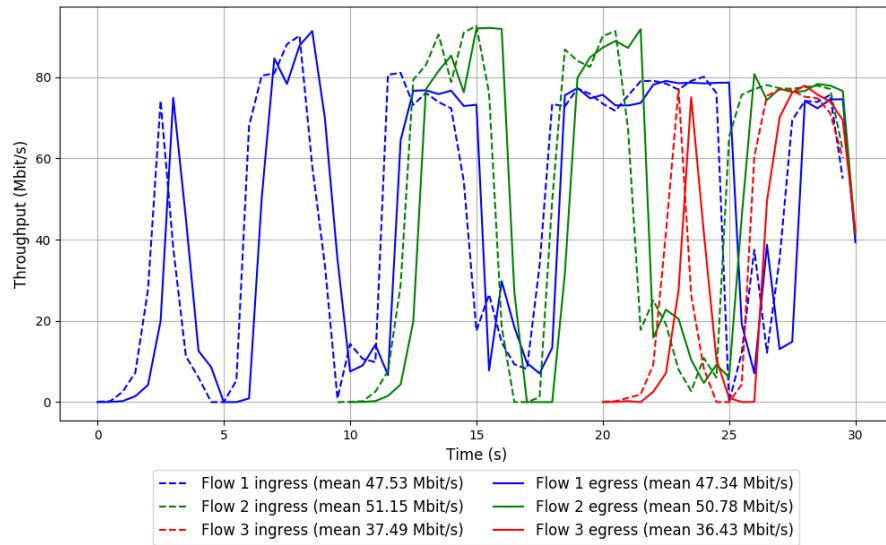


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-11-24 16:53:19
End at: 2019-11-24 16:53:49
Local clock offset: 0.285 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.80 Mbit/s
95th percentile per-packet one-way delay: 133.280 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 47.34 Mbit/s
95th percentile per-packet one-way delay: 133.188 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 133.298 ms
Loss rate: 2.05%
-- Flow 3:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 133.306 ms
Loss rate: 5.43%
```

Run 3: Report of QUIC Cubic — Data Link

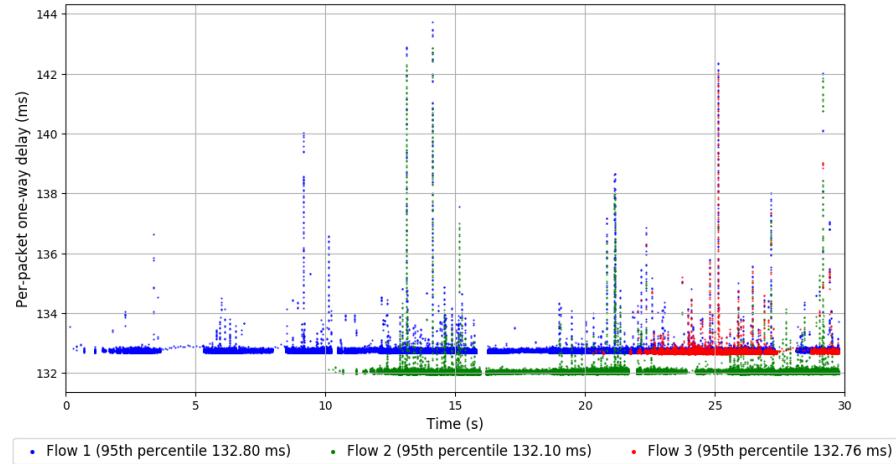
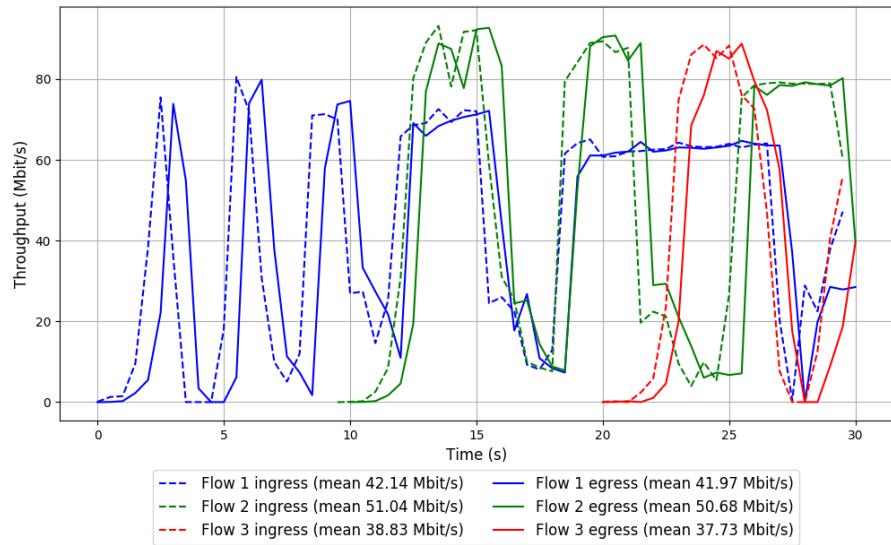


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-11-24 17:36:11
End at: 2019-11-24 17:36:41
Local clock offset: -0.09 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.82 Mbit/s
95th percentile per-packet one-way delay: 132.785 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 41.97 Mbit/s
95th percentile per-packet one-way delay: 132.803 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 50.68 Mbit/s
95th percentile per-packet one-way delay: 132.102 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 37.73 Mbit/s
95th percentile per-packet one-way delay: 132.763 ms
Loss rate: 5.46%
```

Run 4: Report of QUIC Cubic — Data Link

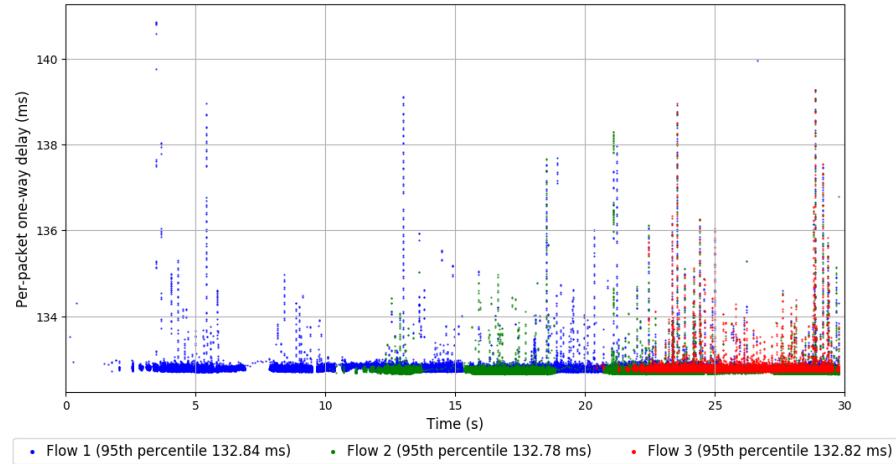
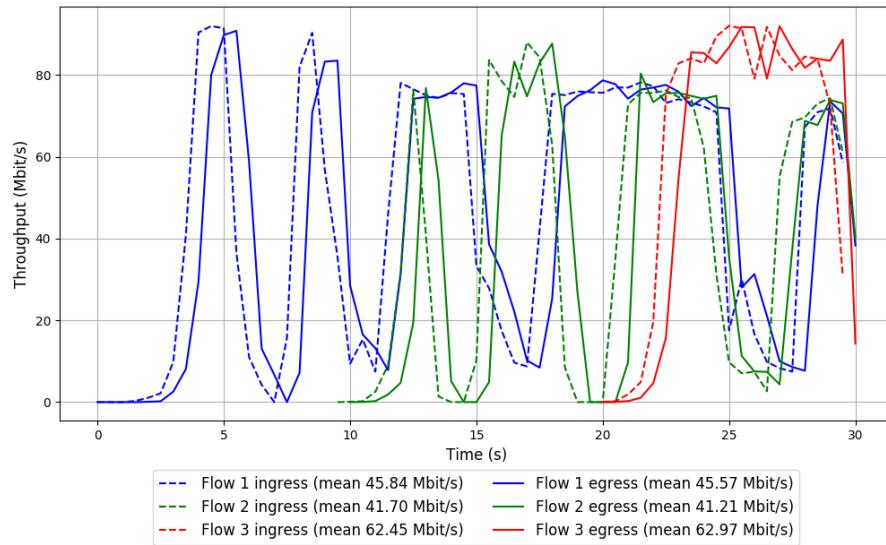


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-11-24 18:19:23
End at: 2019-11-24 18:19:53
Local clock offset: -0.01 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 132.829 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 45.57 Mbit/s
95th percentile per-packet one-way delay: 132.841 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 132.784 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 62.97 Mbit/s
95th percentile per-packet one-way delay: 132.823 ms
Loss rate: 1.88%
```

Run 5: Report of QUIC Cubic — Data Link

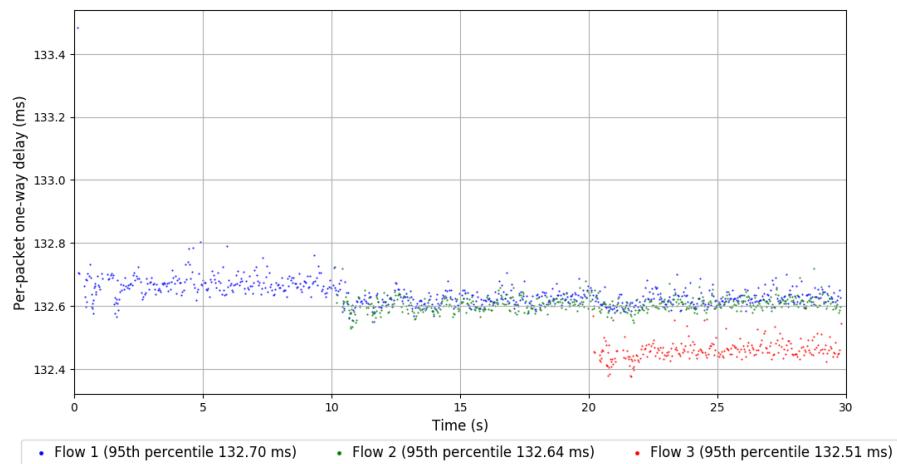
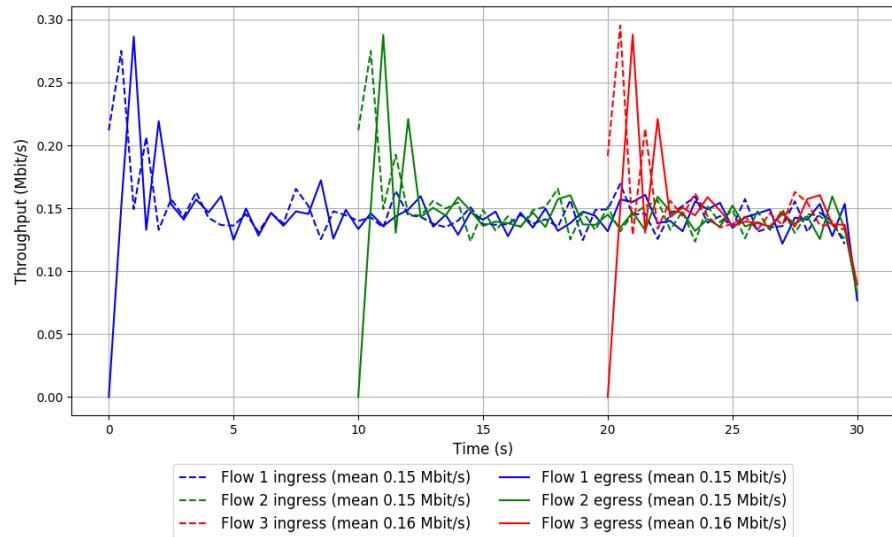


Run 1: Statistics of SCReAM

```
Start at: 2019-11-24 15:00:15
End at: 2019-11-24 15:00:45
Local clock offset: -0.101 ms
Remote clock offset: 0.369 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 132.686 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.700 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.641 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 132.510 ms
Loss rate: 2.45%
```

Run 1: Report of SCReAM — Data Link

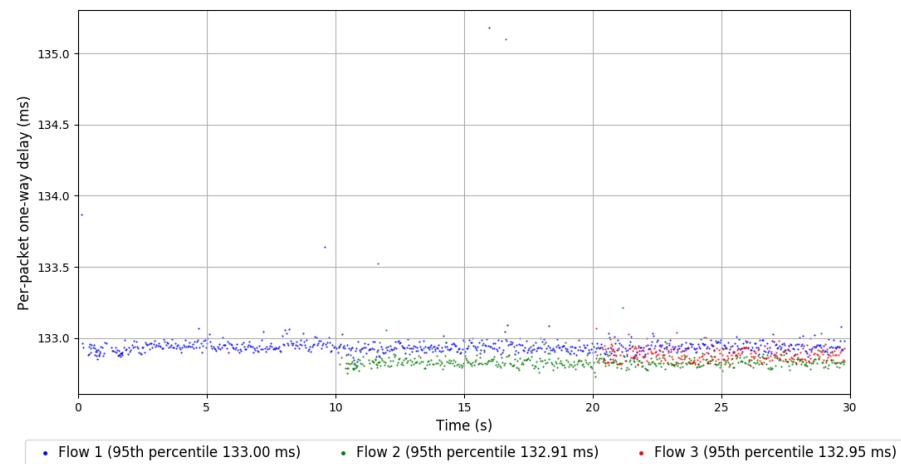
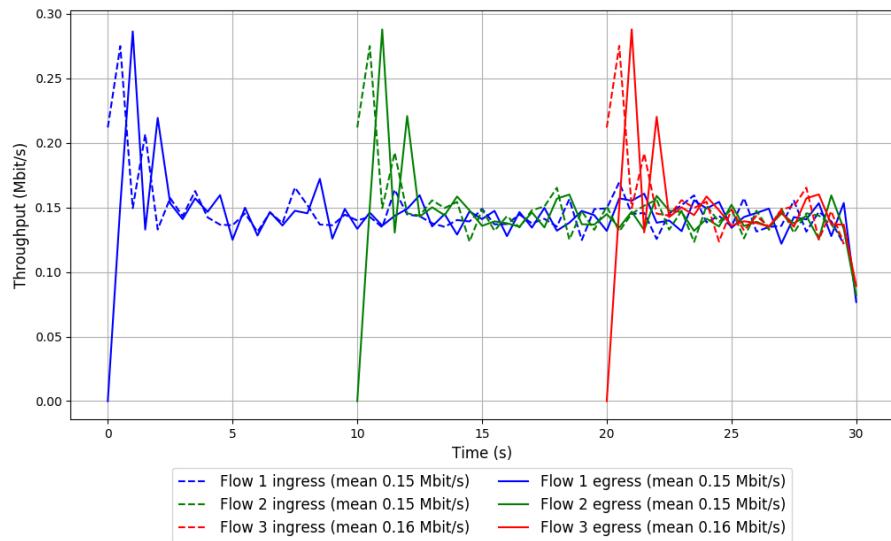


Run 2: Statistics of SCReAM

```
Start at: 2019-11-24 15:43:17
End at: 2019-11-24 15:43:47
Local clock offset: -0.036 ms
Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 132.984 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.996 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.905 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 132.951 ms
Loss rate: 2.45%
```

Run 2: Report of SCReAM — Data Link

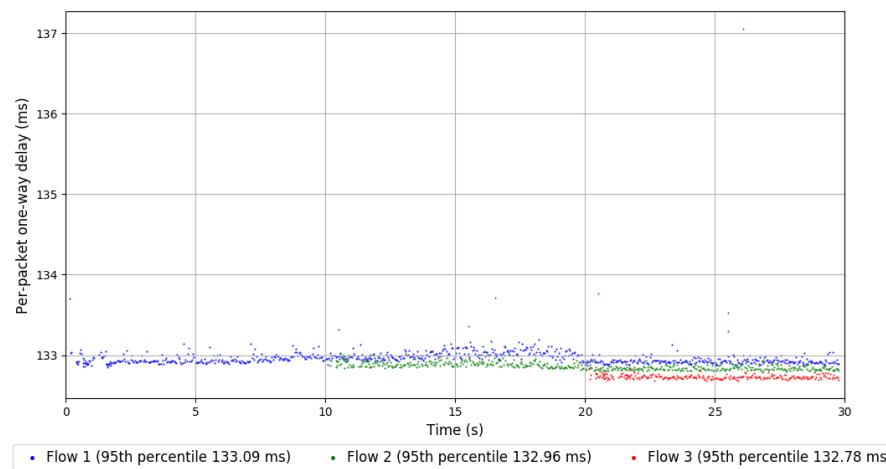
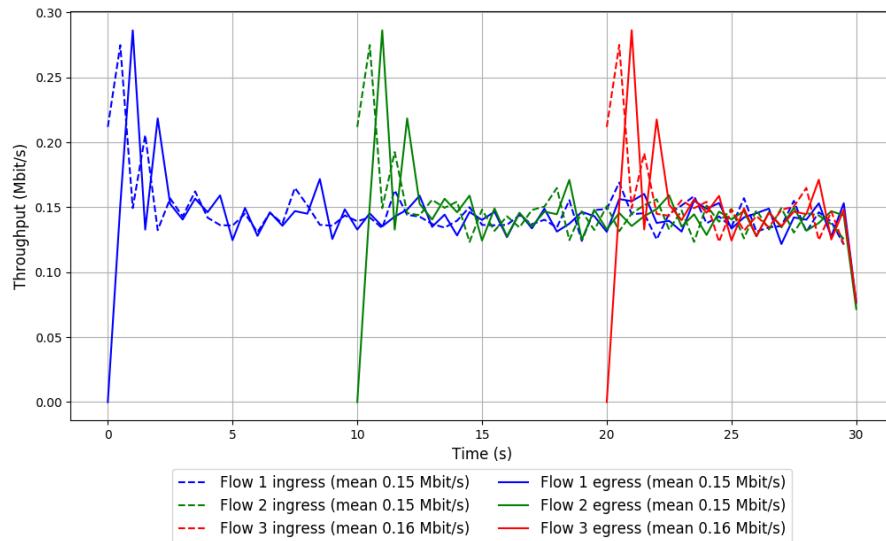


Run 3: Statistics of SCReAM

```
Start at: 2019-11-24 16:26:38
End at: 2019-11-24 16:27:08
Local clock offset: -0.105 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 133.053 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.088 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.956 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 132.780 ms
Loss rate: 2.45%
```

Run 3: Report of SCReAM — Data Link

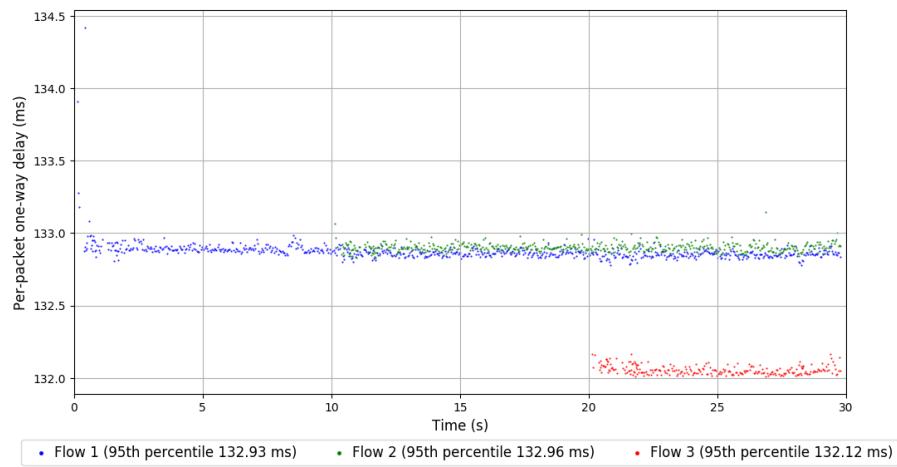
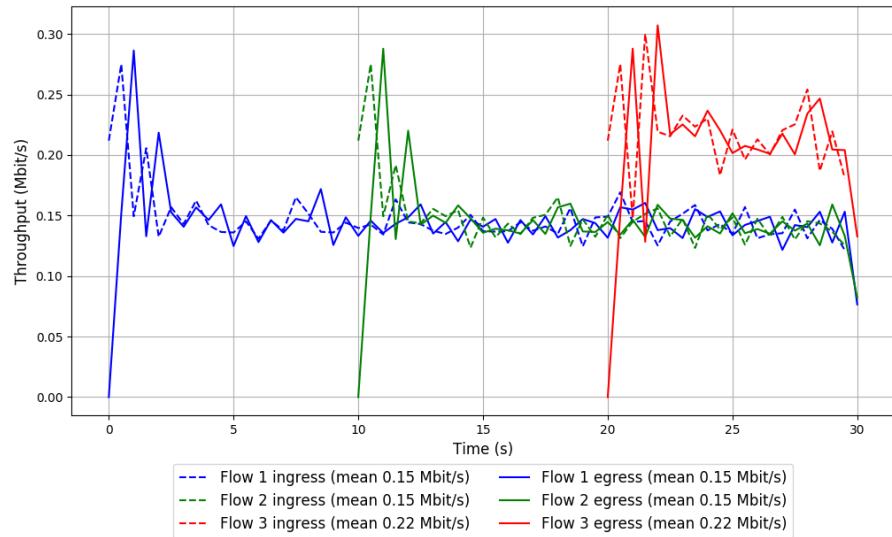


Run 4: Statistics of SCReAM

```
Start at: 2019-11-24 17:09:59
End at: 2019-11-24 17:10:29
Local clock offset: -0.113 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 132.941 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.934 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.955 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 132.115 ms
Loss rate: 2.60%
```

Run 4: Report of SCReAM — Data Link

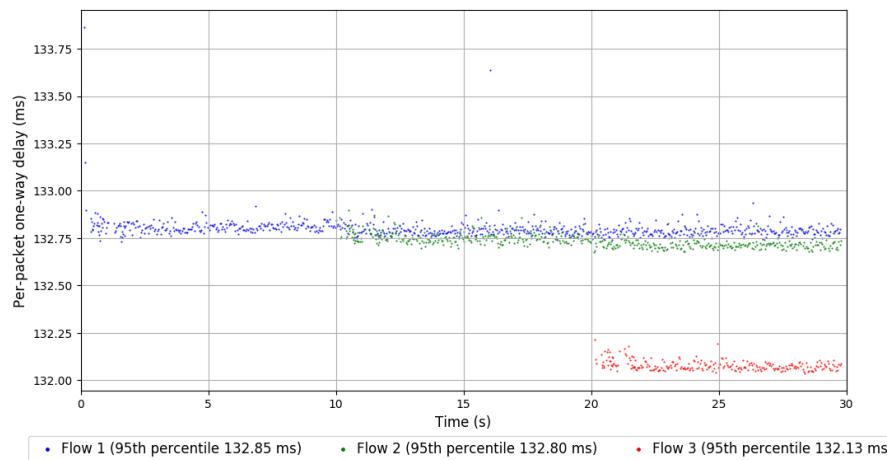
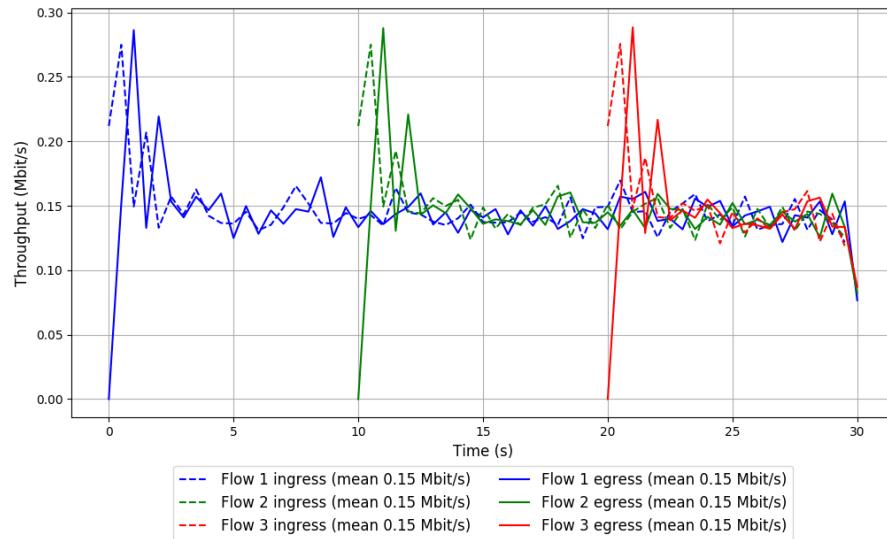


Run 5: Statistics of SCReAM

```
Start at: 2019-11-24 17:52:40
End at: 2019-11-24 17:53:10
Local clock offset: -0.145 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 132.837 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.849 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.799 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.129 ms
Loss rate: 2.44%
```

Run 5: Report of SCReAM — Data Link

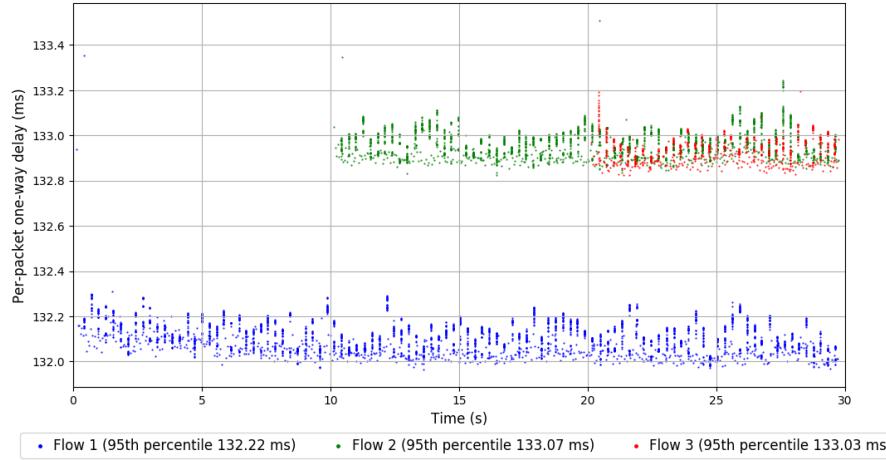
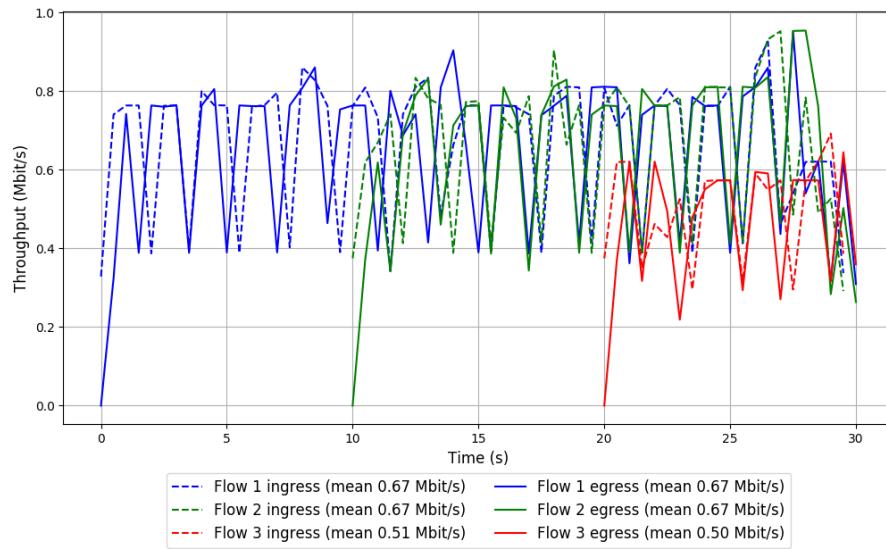


Run 1: Statistics of Sprout

```
Start at: 2019-11-24 15:19:24
End at: 2019-11-24 15:19:54
Local clock offset: -0.088 ms
Remote clock offset: 0.142 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 133.033 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 132.223 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 133.068 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 133.025 ms
Loss rate: 3.82%
```

Run 1: Report of Sprout — Data Link

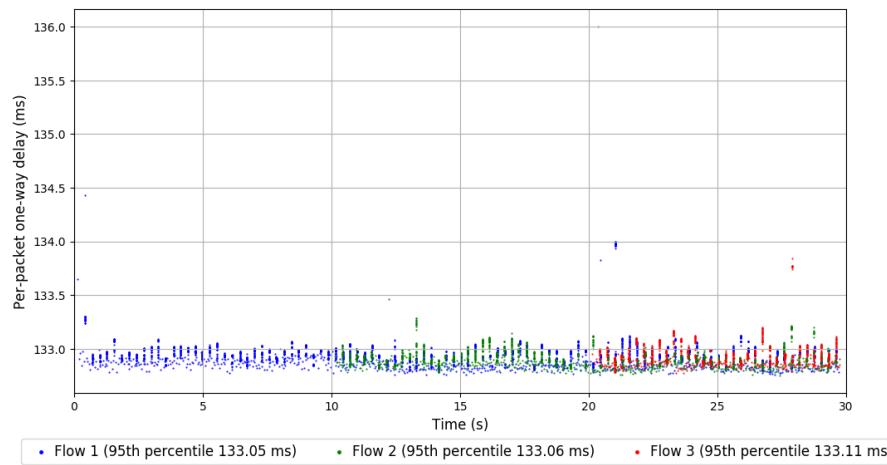
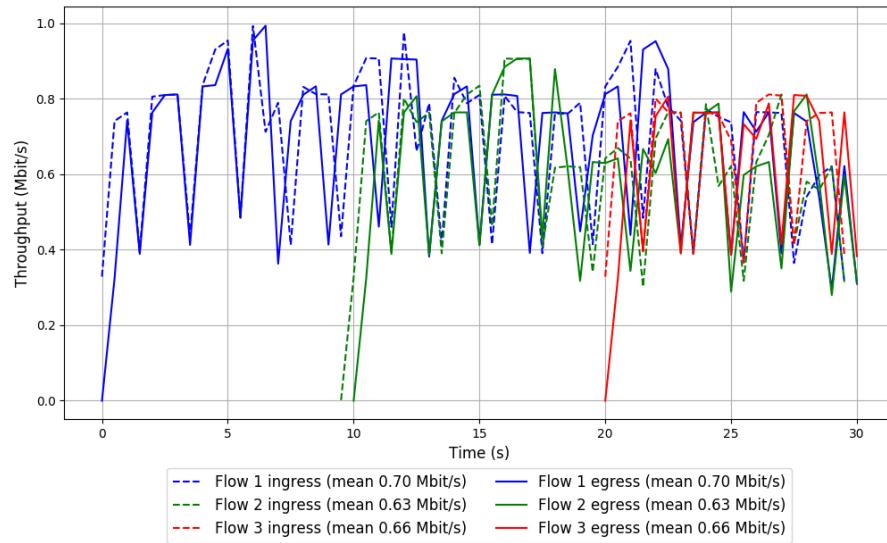


Run 2: Statistics of Sprout

```
Start at: 2019-11-24 16:02:38
End at: 2019-11-24 16:03:08
Local clock offset: -0.047 ms
Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 133.067 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 133.053 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 133.056 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 133.106 ms
Loss rate: 2.93%
```

Run 2: Report of Sprout — Data Link

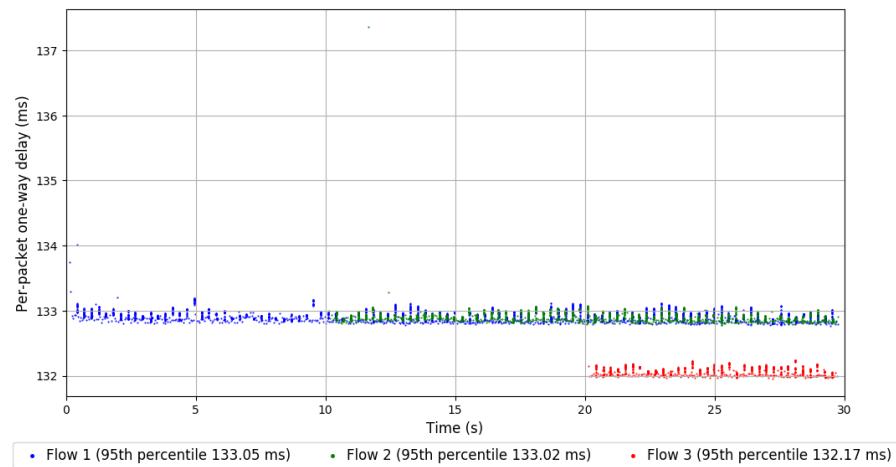
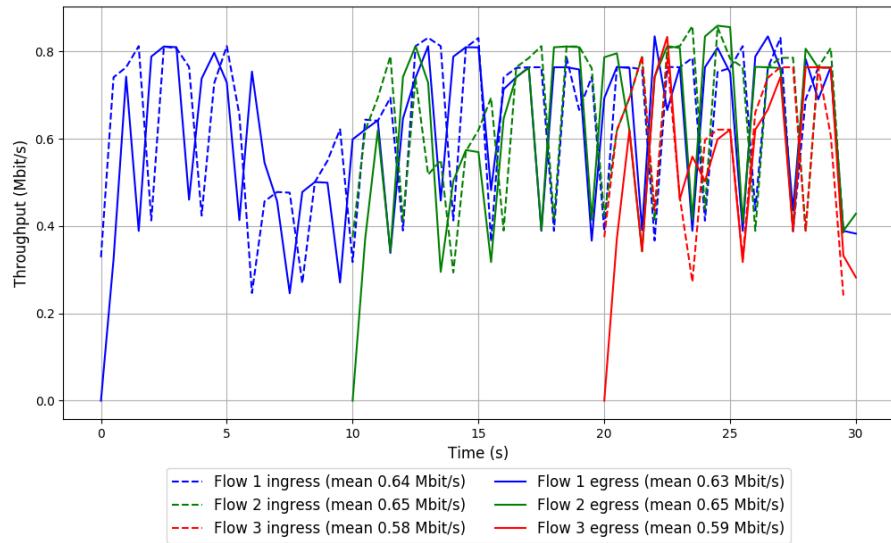


Run 3: Statistics of Sprout

```
Start at: 2019-11-24 16:46:07
End at: 2019-11-24 16:46:37
Local clock offset: -0.11 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 133.029 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 133.046 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 133.022 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 132.171 ms
Loss rate: 2.06%
```

Run 3: Report of Sprout — Data Link

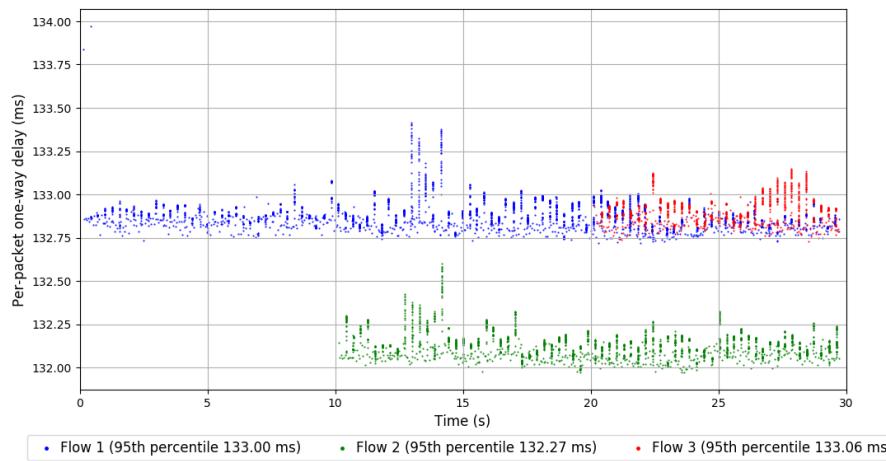
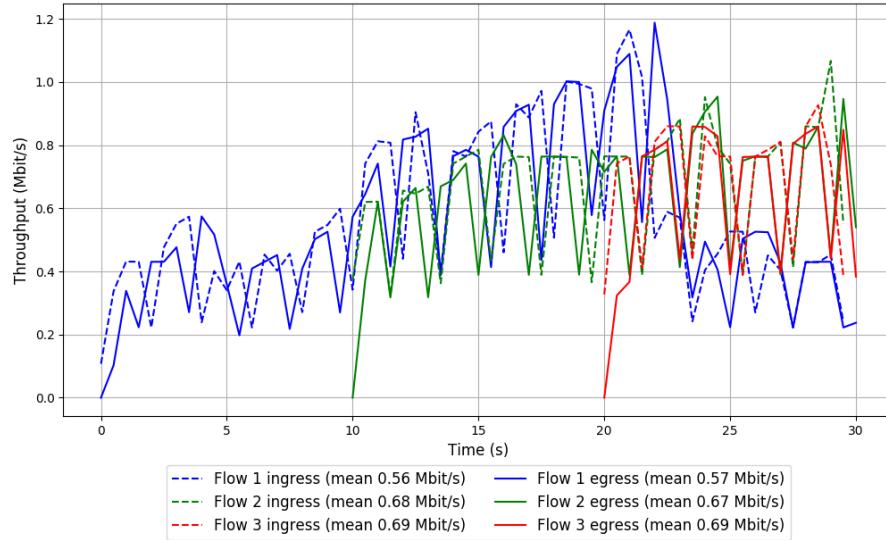


Run 4: Statistics of Sprout

```
Start at: 2019-11-24 17:29:21
End at: 2019-11-24 17:29:51
Local clock offset: -0.12 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 132.999 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 133.005 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 132.270 ms
Loss rate: 2.04%
-- Flow 3:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 133.064 ms
Loss rate: 2.80%
```

Run 4: Report of Sprout — Data Link

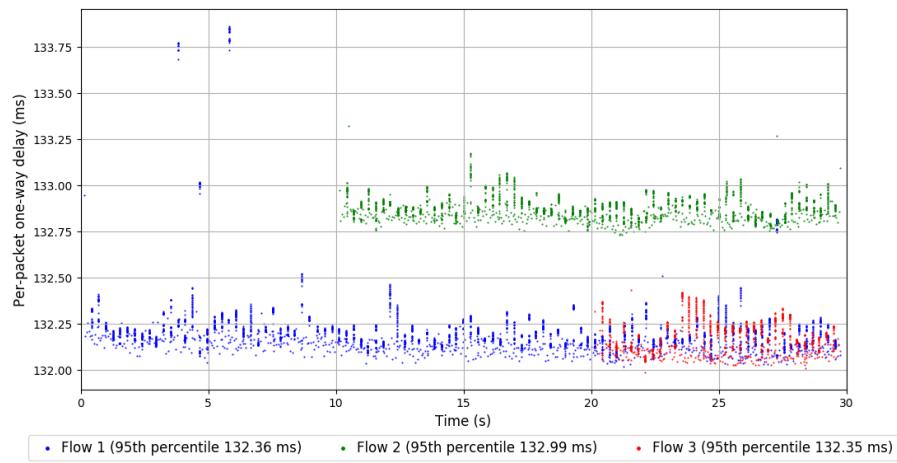
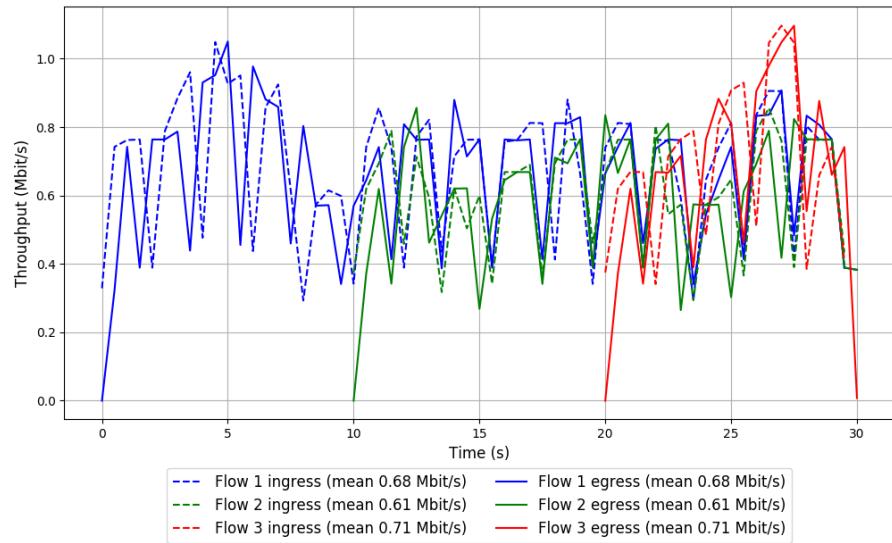


Run 5: Statistics of Sprout

```
Start at: 2019-11-24 18:12:11
End at: 2019-11-24 18:12:41
Local clock offset: -0.078 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 132.941 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 132.359 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 132.988 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 132.346 ms
Loss rate: 2.90%
```

Run 5: Report of Sprout — Data Link

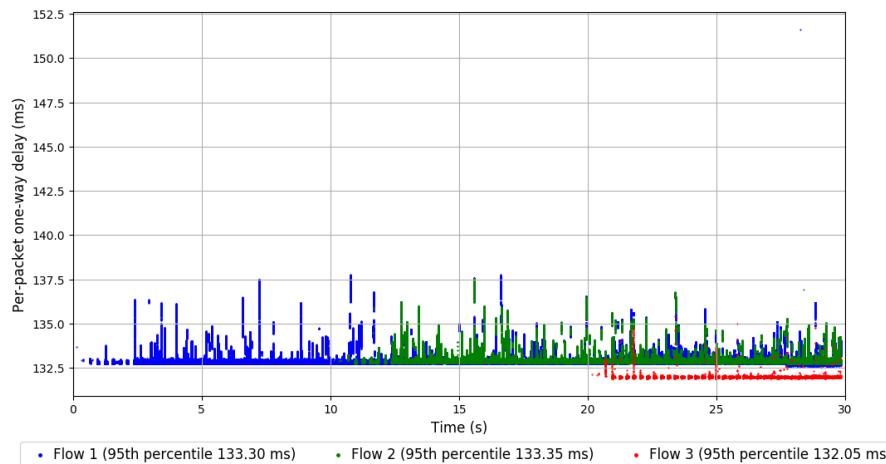
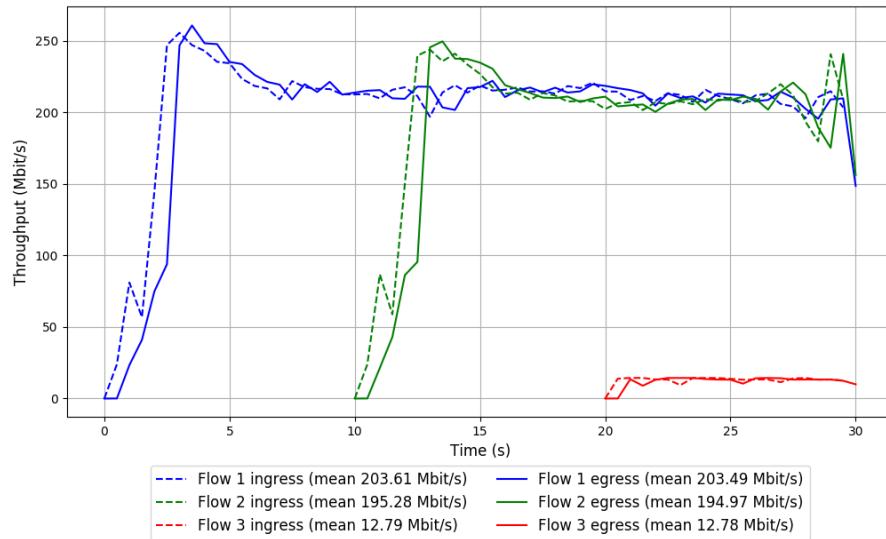


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-11-24 15:17:28
End at: 2019-11-24 15:17:58
Local clock offset: -0.103 ms
Remote clock offset: 0.208 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 336.93 Mbit/s
95th percentile per-packet one-way delay: 133.312 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 203.49 Mbit/s
95th percentile per-packet one-way delay: 133.300 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 194.97 Mbit/s
95th percentile per-packet one-way delay: 133.352 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 12.78 Mbit/s
95th percentile per-packet one-way delay: 132.054 ms
Loss rate: 2.78%
```

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

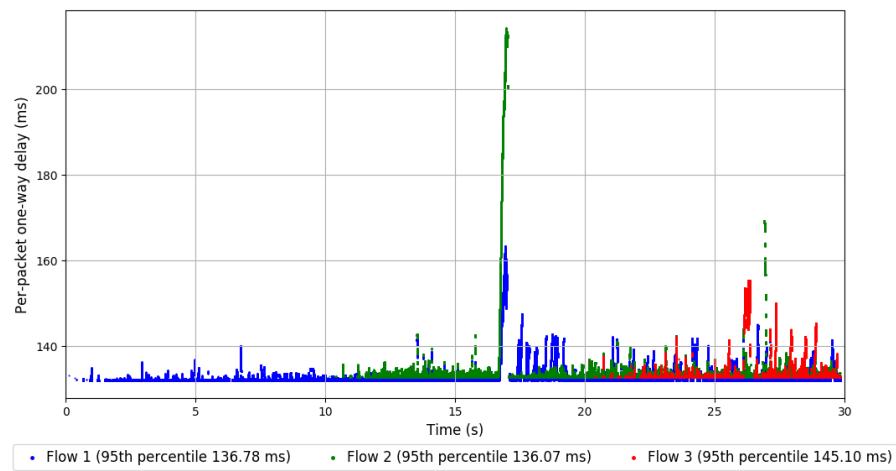
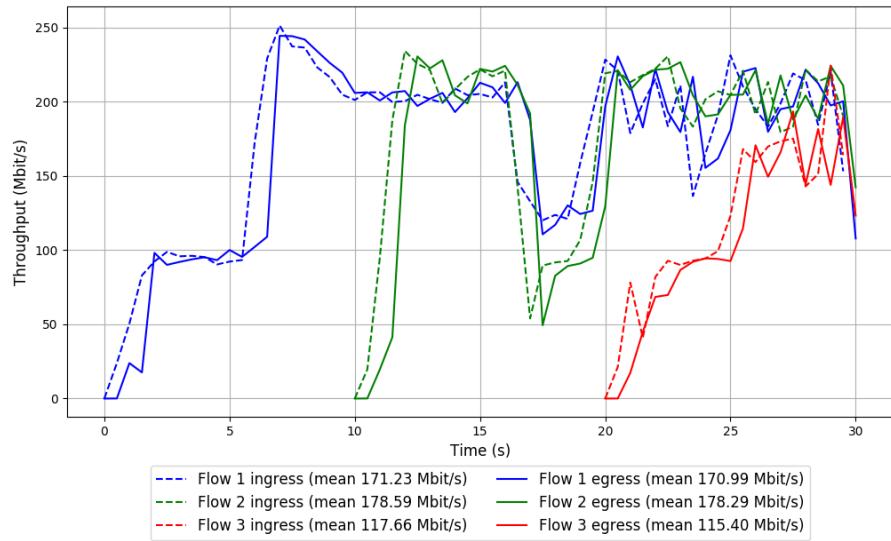


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-11-24 16:00:41
End at: 2019-11-24 16:01:11
Local clock offset: -0.112 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 326.82 Mbit/s
95th percentile per-packet one-way delay: 137.520 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 170.99 Mbit/s
95th percentile per-packet one-way delay: 136.775 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 178.29 Mbit/s
95th percentile per-packet one-way delay: 136.072 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 115.40 Mbit/s
95th percentile per-packet one-way delay: 145.097 ms
Loss rate: 4.52%
```

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

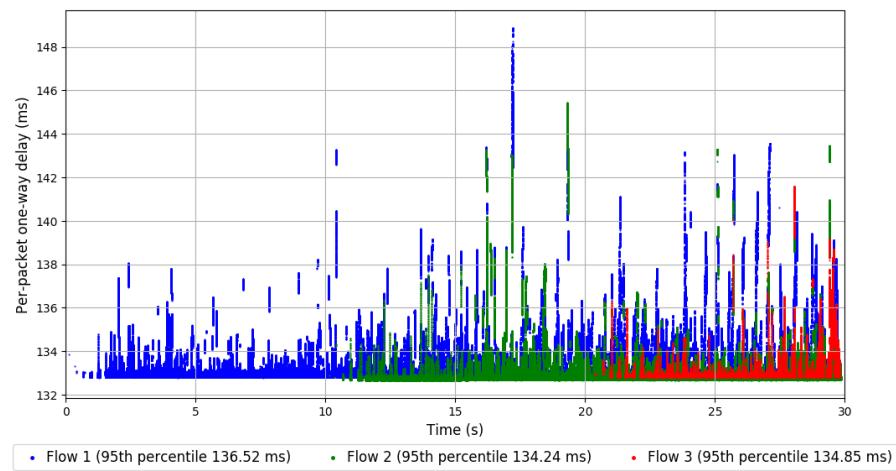
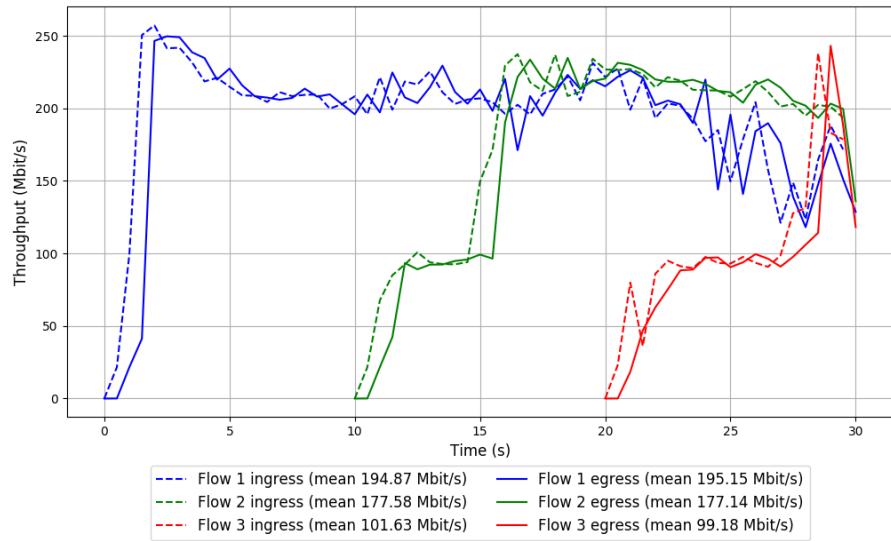


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-11-24 16:44:08
End at: 2019-11-24 16:44:38
Local clock offset: -0.085 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 344.42 Mbit/s
95th percentile per-packet one-way delay: 135.716 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 195.15 Mbit/s
95th percentile per-packet one-way delay: 136.522 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 177.14 Mbit/s
95th percentile per-packet one-way delay: 134.243 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 99.18 Mbit/s
95th percentile per-packet one-way delay: 134.854 ms
Loss rate: 5.52%
```

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

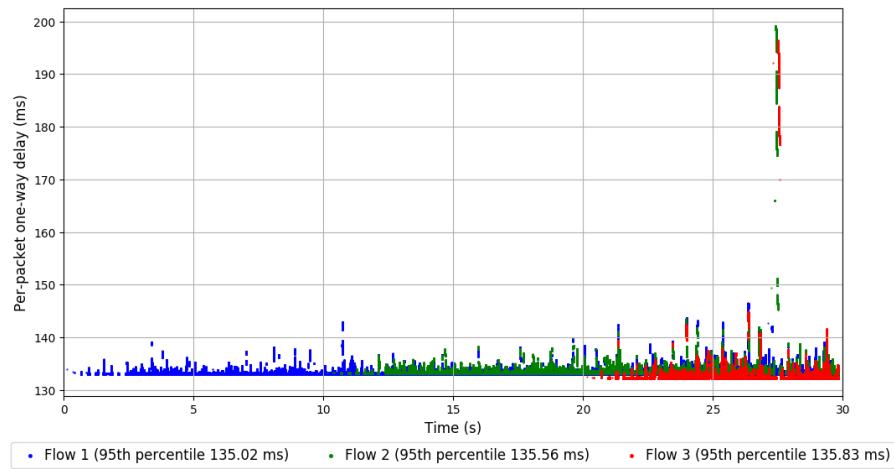
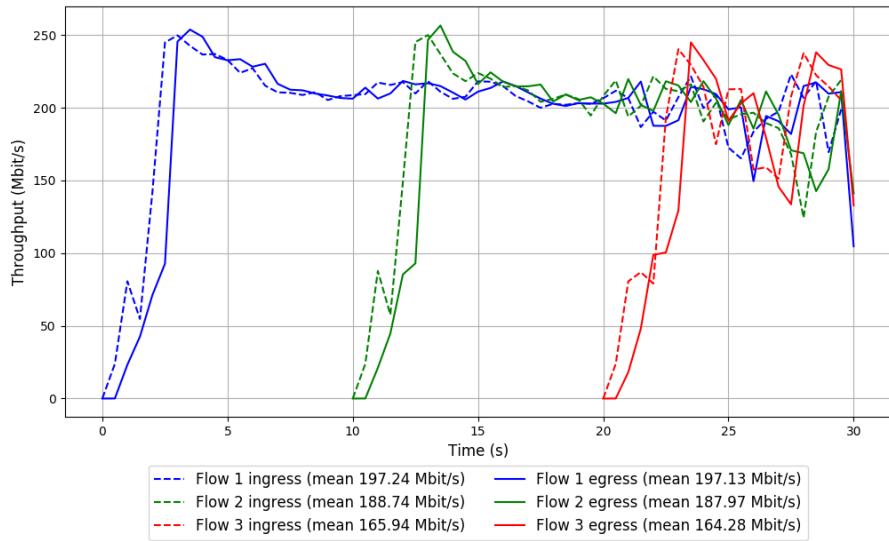


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-11-24 17:27:19
End at: 2019-11-24 17:27:49
Local clock offset: 0.212 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 375.35 Mbit/s
95th percentile per-packet one-way delay: 135.285 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 197.13 Mbit/s
95th percentile per-packet one-way delay: 135.020 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 187.97 Mbit/s
95th percentile per-packet one-way delay: 135.557 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 164.28 Mbit/s
95th percentile per-packet one-way delay: 135.827 ms
Loss rate: 3.64%
```

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

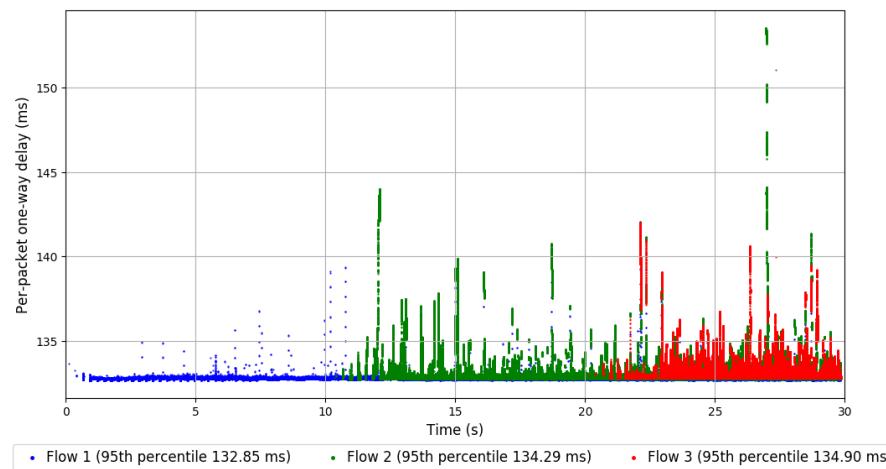
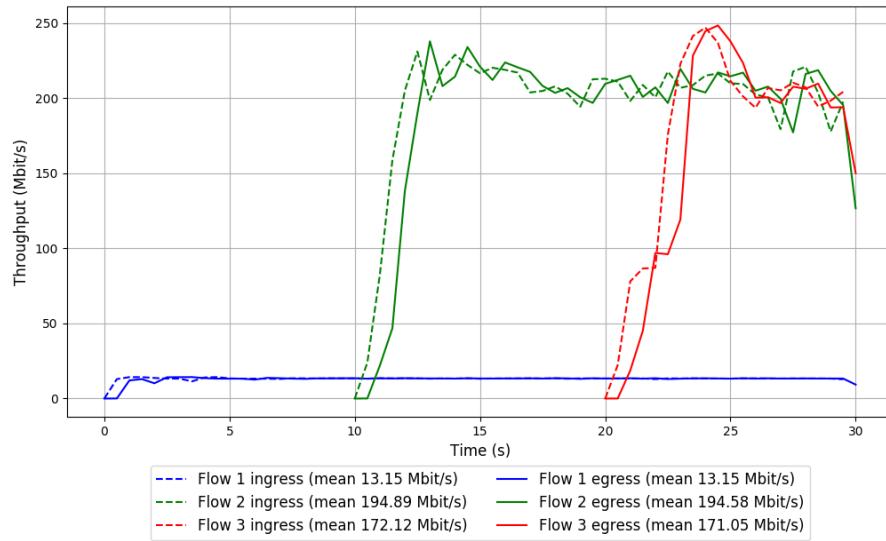


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-11-24 18:10:29
End at: 2019-11-24 18:10:59
Local clock offset: -0.108 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 198.01 Mbit/s
95th percentile per-packet one-way delay: 134.398 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 132.852 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 194.58 Mbit/s
95th percentile per-packet one-way delay: 134.295 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 171.05 Mbit/s
95th percentile per-packet one-way delay: 134.898 ms
Loss rate: 3.28%
```

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

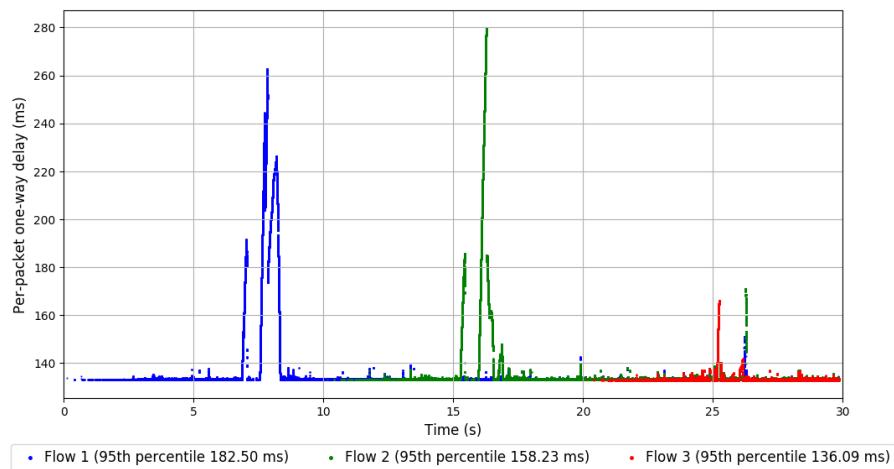
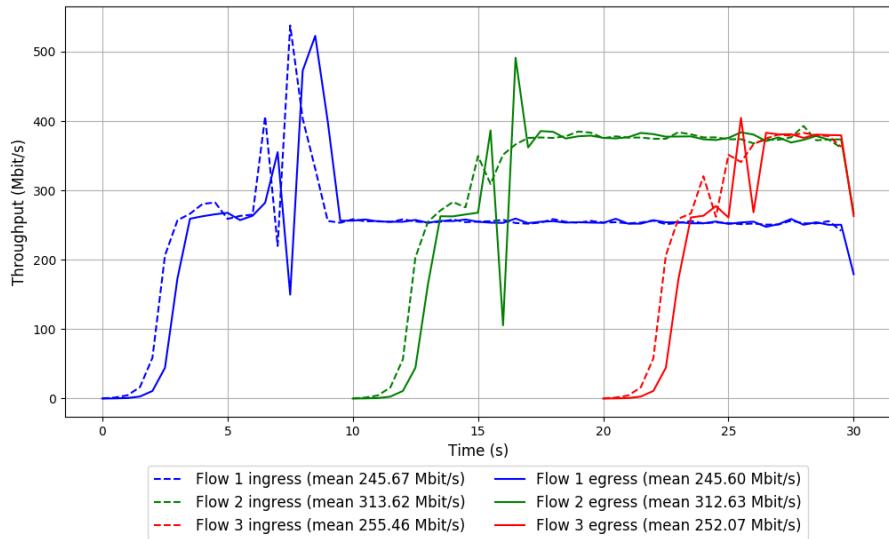


Run 1: Statistics of TCP Vegas

```
Start at: 2019-11-24 15:03:10
End at: 2019-11-24 15:03:40
Local clock offset: -0.074 ms
Remote clock offset: 0.066 ms

# Below is generated by plot.py at 2019-11-24 20:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 535.19 Mbit/s
95th percentile per-packet one-way delay: 157.372 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 245.60 Mbit/s
95th percentile per-packet one-way delay: 182.495 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 312.63 Mbit/s
95th percentile per-packet one-way delay: 158.226 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 252.07 Mbit/s
95th percentile per-packet one-way delay: 136.093 ms
Loss rate: 3.96%
```

Run 1: Report of TCP Vegas — Data Link

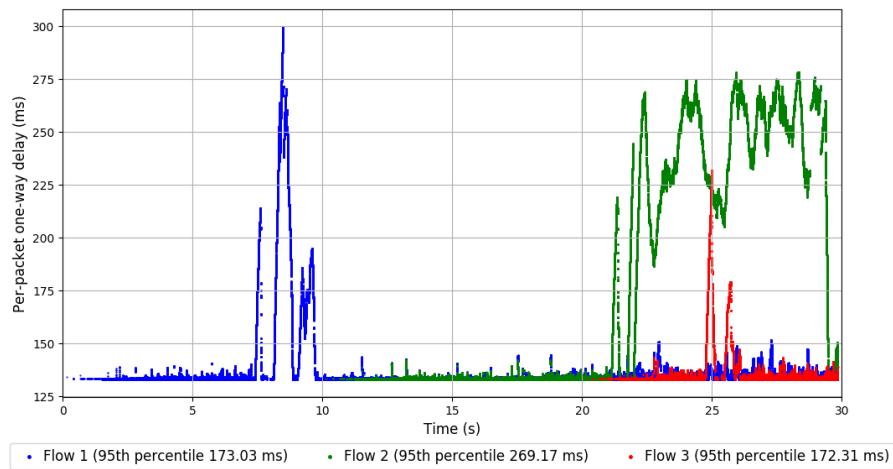
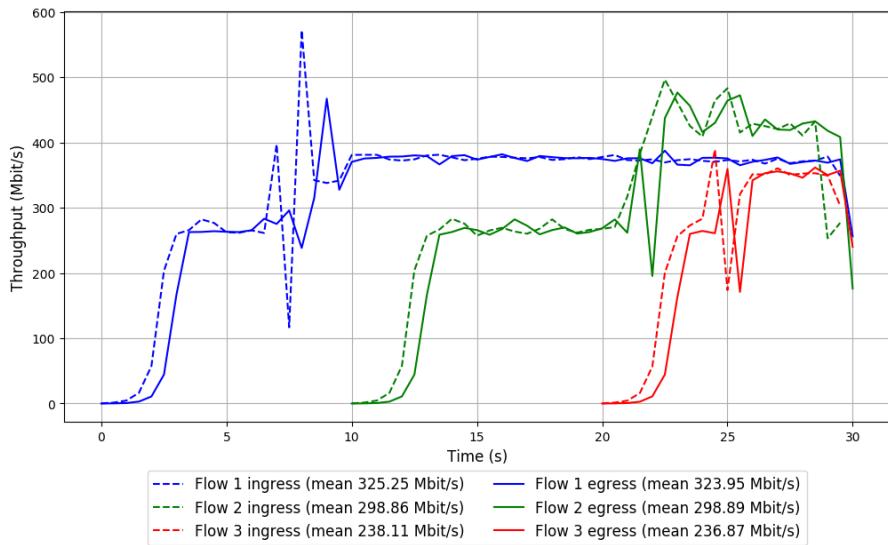


Run 2: Statistics of TCP Vegas

```
Start at: 2019-11-24 15:46:14
End at: 2019-11-24 15:46:44
Local clock offset: -0.06 ms
Remote clock offset: -0.317 ms

# Below is generated by plot.py at 2019-11-24 21:03:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 599.50 Mbit/s
95th percentile per-packet one-way delay: 262.620 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 323.95 Mbit/s
95th percentile per-packet one-way delay: 173.034 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 298.89 Mbit/s
95th percentile per-packet one-way delay: 269.167 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 236.87 Mbit/s
95th percentile per-packet one-way delay: 172.308 ms
Loss rate: 3.17%
```

Run 2: Report of TCP Vegas — Data Link

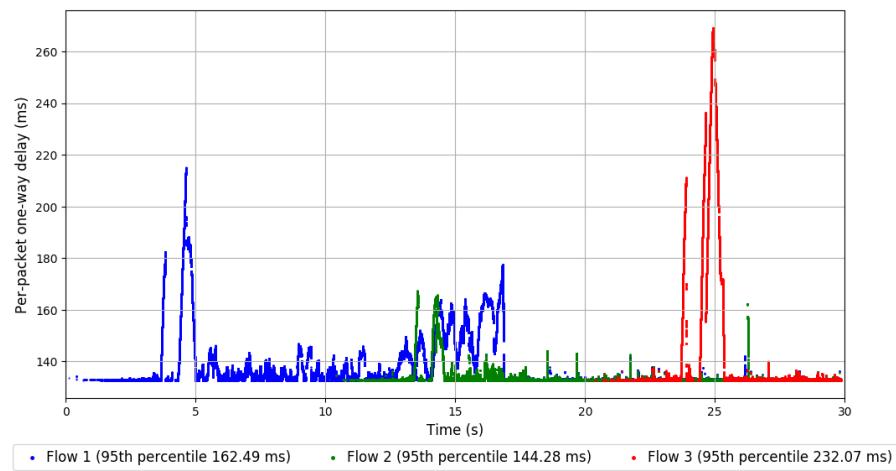
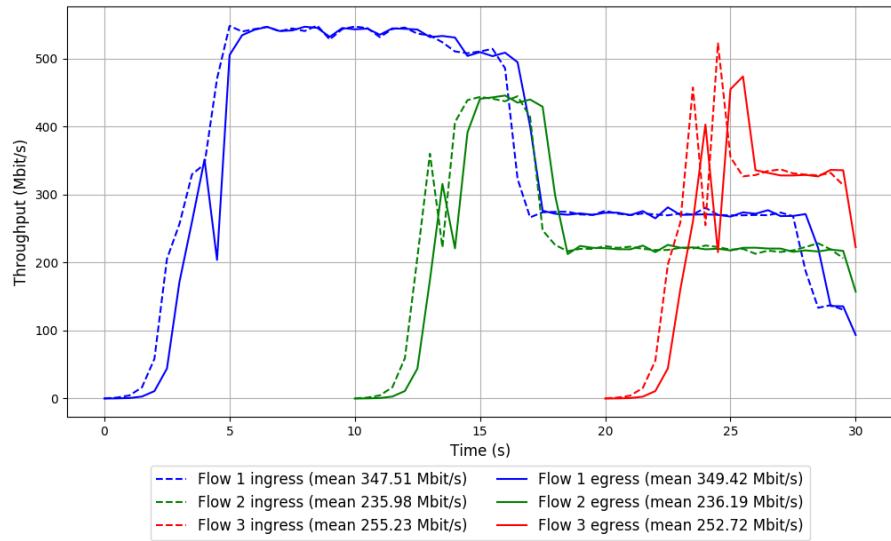


Run 3: Statistics of TCP Vegas

```
Start at: 2019-11-24 16:29:34
End at: 2019-11-24 16:30:04
Local clock offset: -0.092 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2019-11-24 21:05:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 588.55 Mbit/s
95th percentile per-packet one-way delay: 164.020 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 349.42 Mbit/s
95th percentile per-packet one-way delay: 162.493 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 236.19 Mbit/s
95th percentile per-packet one-way delay: 144.285 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 252.72 Mbit/s
95th percentile per-packet one-way delay: 232.068 ms
Loss rate: 3.62%
```

Run 3: Report of TCP Vegas — Data Link

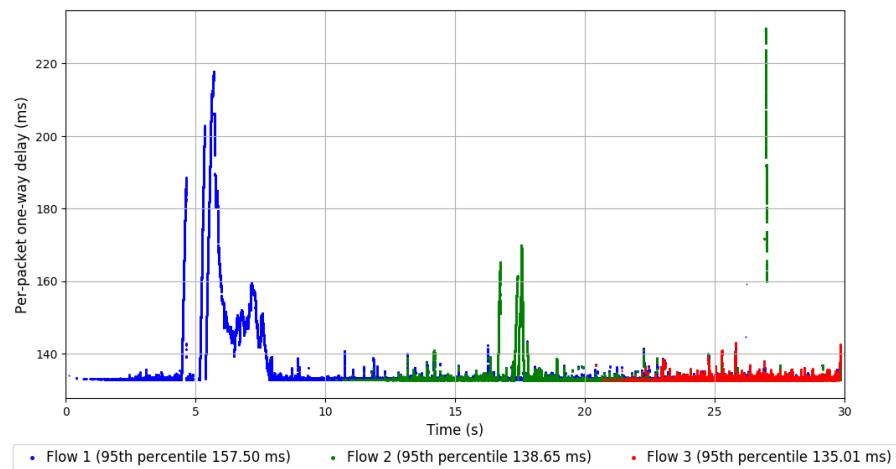
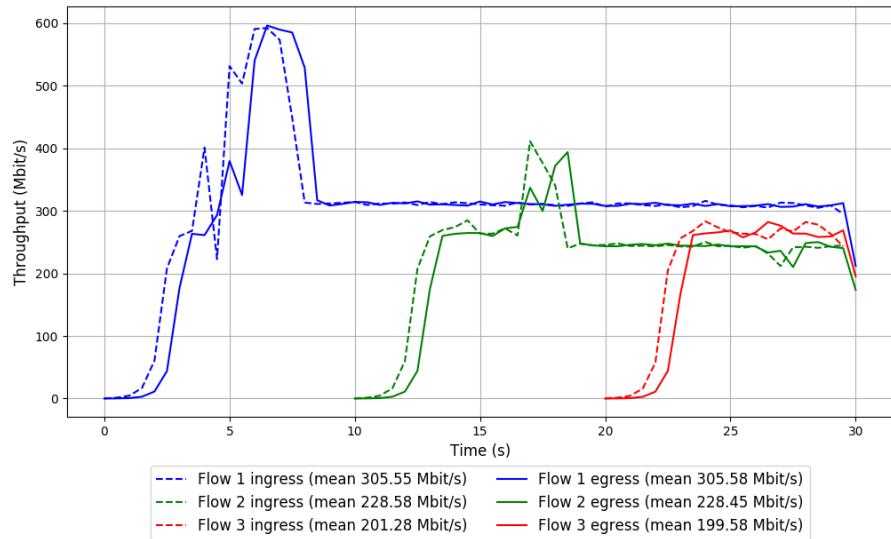


Run 4: Statistics of TCP Vegas

```
Start at: 2019-11-24 17:12:59
End at: 2019-11-24 17:13:29
Local clock offset: -0.108 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2019-11-24 21:05:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 522.26 Mbit/s
95th percentile per-packet one-way delay: 152.494 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 305.58 Mbit/s
95th percentile per-packet one-way delay: 157.498 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 228.45 Mbit/s
95th percentile per-packet one-way delay: 138.652 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 199.58 Mbit/s
95th percentile per-packet one-way delay: 135.015 ms
Loss rate: 3.52%
```

Run 4: Report of TCP Vegas — Data Link

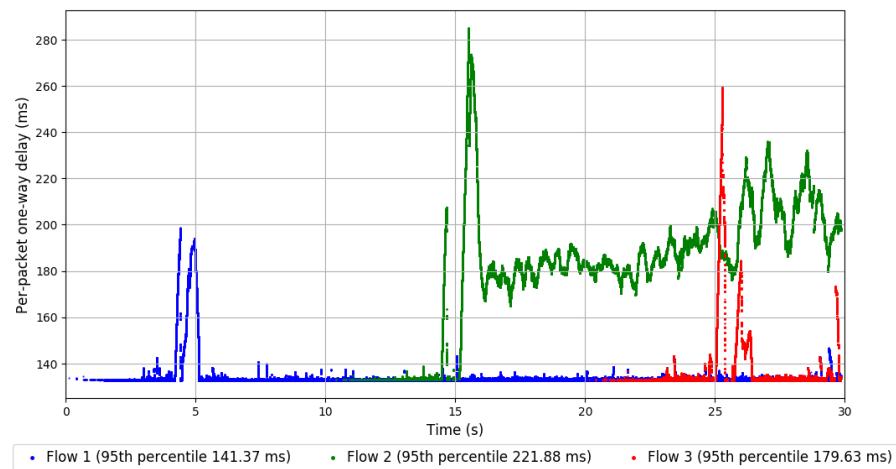
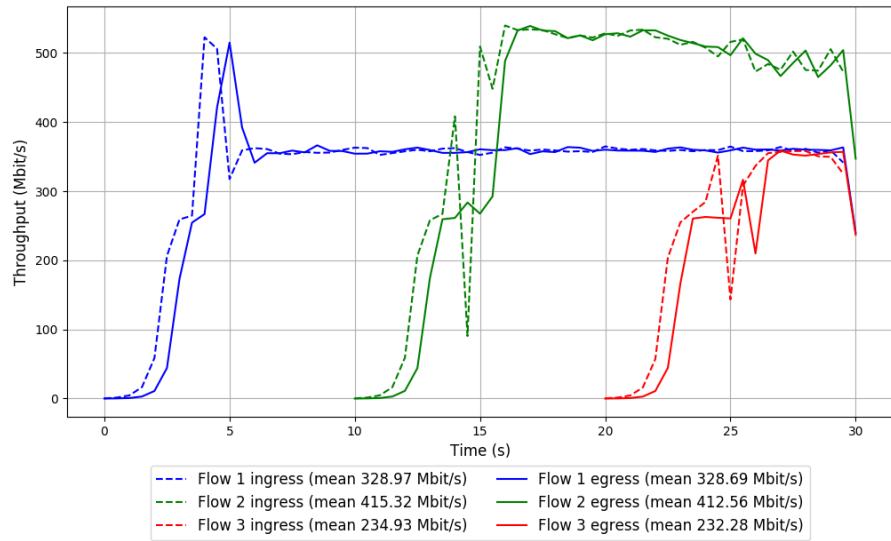


Run 5: Statistics of TCP Vegas

```
Start at: 2019-11-24 17:55:38
End at: 2019-11-24 17:56:08
Local clock offset: -0.152 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2019-11-24 21:07:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 678.25 Mbit/s
95th percentile per-packet one-way delay: 211.143 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 328.69 Mbit/s
95th percentile per-packet one-way delay: 141.368 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 412.56 Mbit/s
95th percentile per-packet one-way delay: 221.884 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 232.28 Mbit/s
95th percentile per-packet one-way delay: 179.627 ms
Loss rate: 3.77%
```

Run 5: Report of TCP Vegas — Data Link

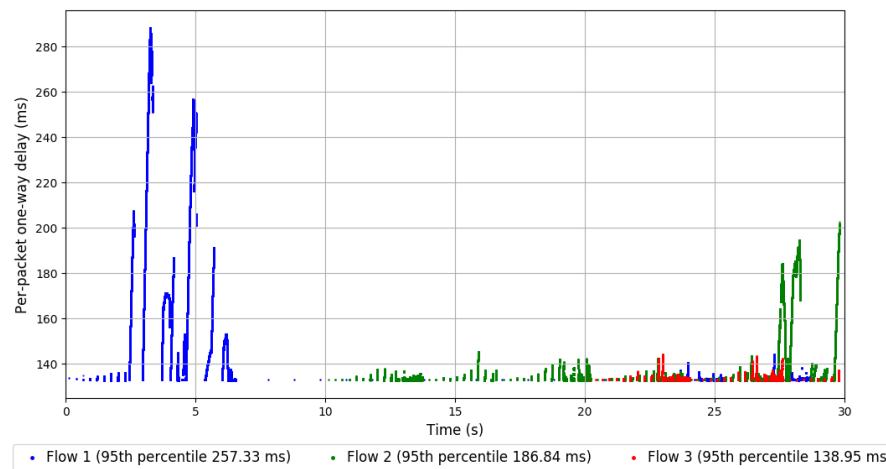
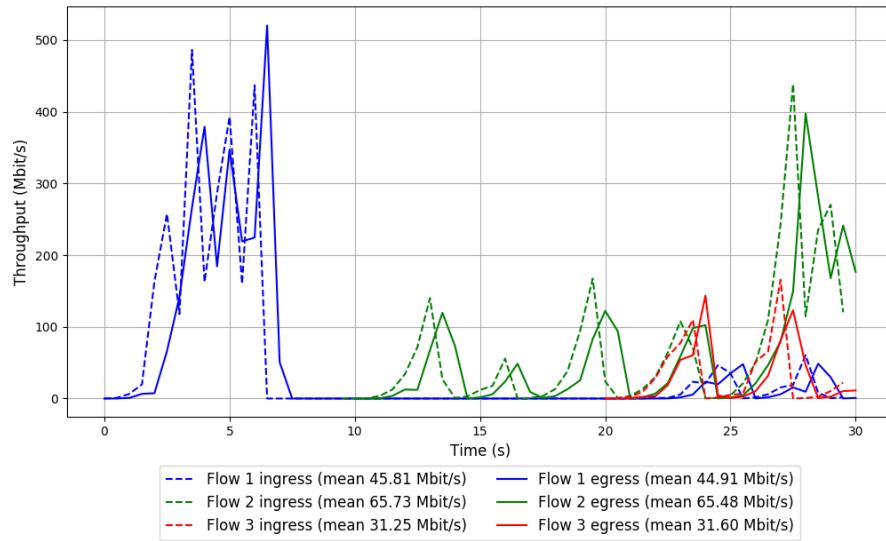


Run 1: Statistics of Verus

```
Start at: 2019-11-24 15:15:58
End at: 2019-11-24 15:16:28
Local clock offset: -0.13 ms
Remote clock offset: 0.19 ms

# Below is generated by plot.py at 2019-11-24 21:07:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 98.56 Mbit/s
95th percentile per-packet one-way delay: 229.462 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 44.91 Mbit/s
95th percentile per-packet one-way delay: 257.328 ms
Loss rate: 2.83%
-- Flow 2:
Average throughput: 65.48 Mbit/s
95th percentile per-packet one-way delay: 186.836 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 138.947 ms
Loss rate: 1.78%
```

Run 1: Report of Verus — Data Link

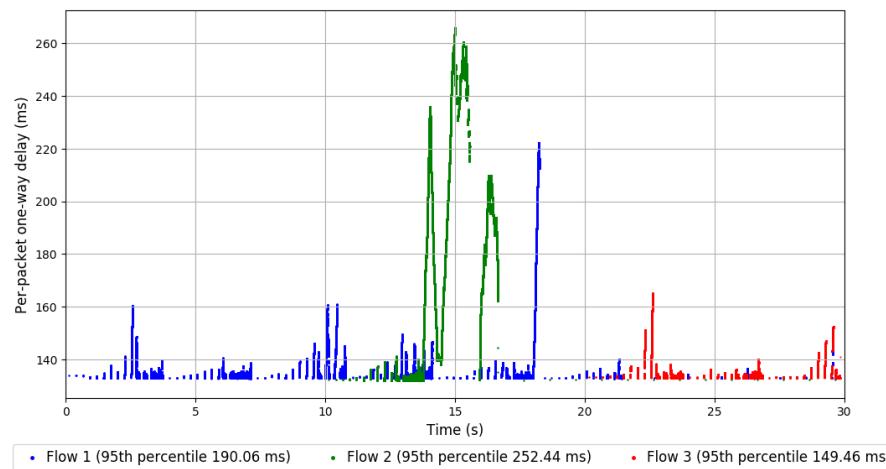
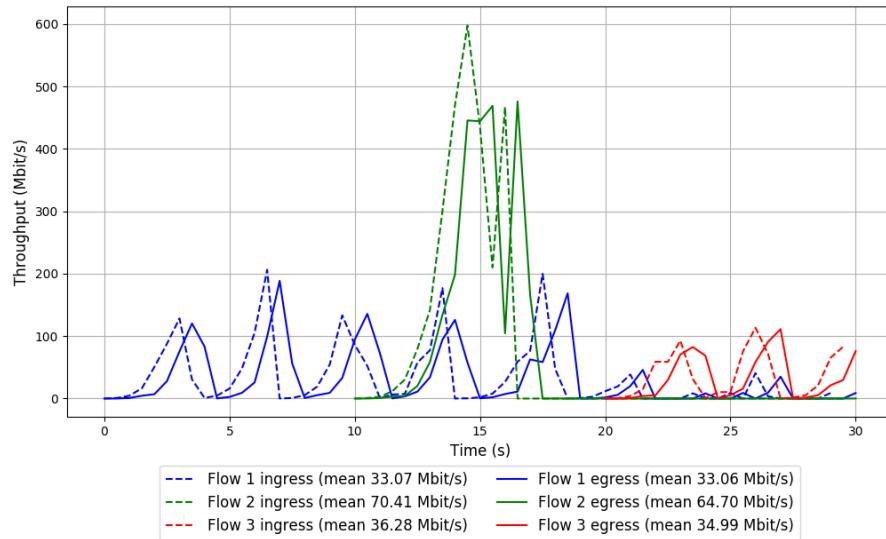


Run 2: Statistics of Verus

```
Start at: 2019-11-24 15:59:13
End at: 2019-11-24 15:59:43
Local clock offset: -0.056 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2019-11-24 21:07:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 248.498 ms
Loss rate: 4.90%
-- Flow 1:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 190.057 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.70 Mbit/s
95th percentile per-packet one-way delay: 252.437 ms
Loss rate: 8.10%
-- Flow 3:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 149.457 ms
Loss rate: 5.92%
```

Run 2: Report of Verus — Data Link

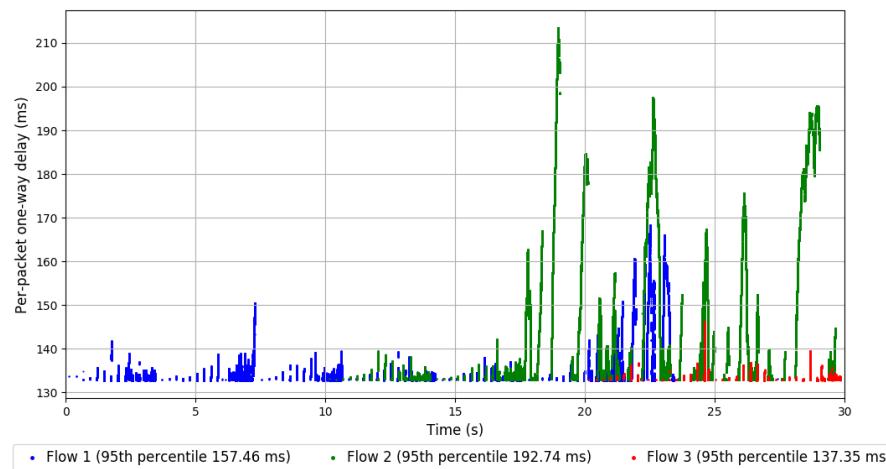
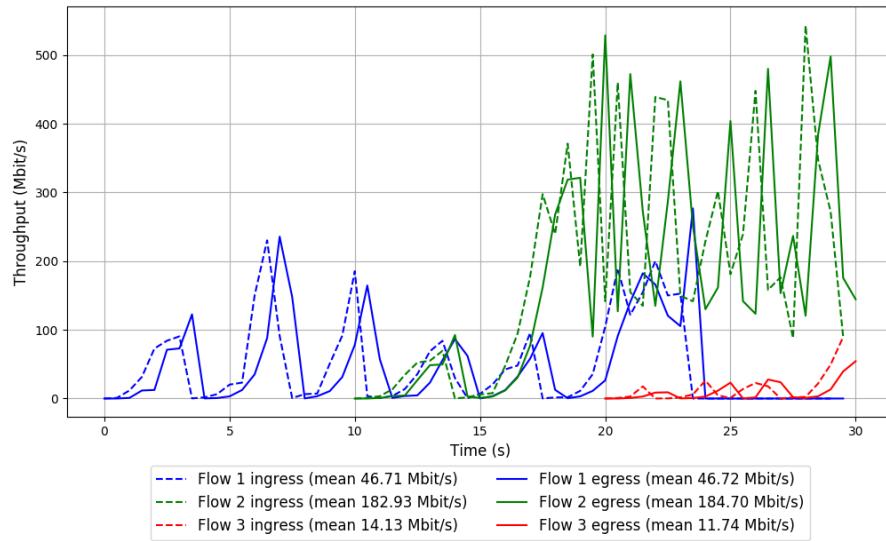


Run 3: Statistics of Verus

```
Start at: 2019-11-24 16:42:31
End at: 2019-11-24 16:43:01
Local clock offset: -0.068 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2019-11-24 21:07:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 171.17 Mbit/s
95th percentile per-packet one-way delay: 190.692 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 46.72 Mbit/s
95th percentile per-packet one-way delay: 157.457 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 184.70 Mbit/s
95th percentile per-packet one-way delay: 192.739 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 137.348 ms
Loss rate: 19.17%
```

Run 3: Report of Verus — Data Link

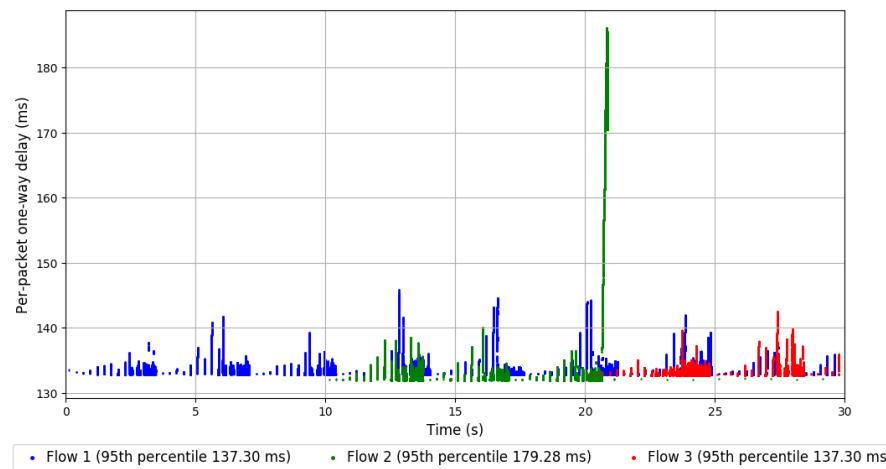
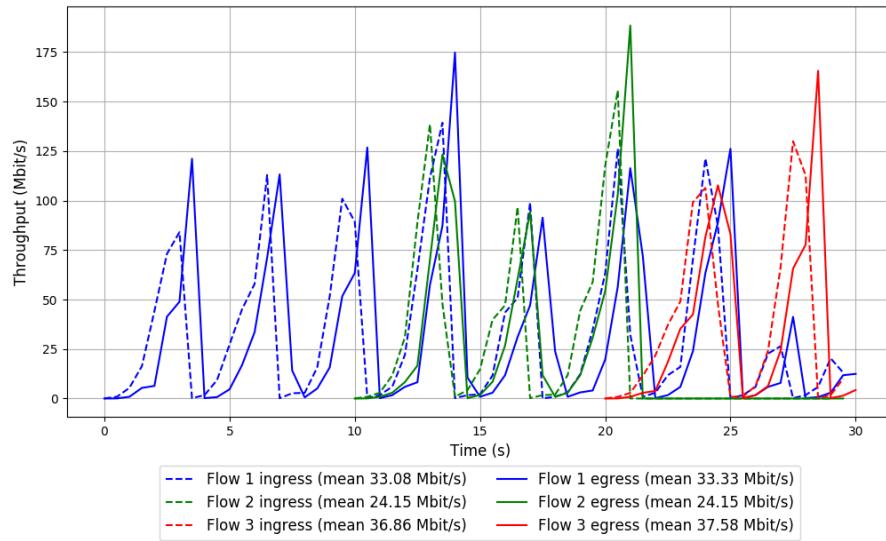


Run 4: Statistics of Verus

```
Start at: 2019-11-24 17:25:53
End at: 2019-11-24 17:26:23
Local clock offset: -0.147 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2019-11-24 21:07:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.82 Mbit/s
95th percentile per-packet one-way delay: 140.568 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 33.33 Mbit/s
95th percentile per-packet one-way delay: 137.304 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 179.283 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.58 Mbit/s
95th percentile per-packet one-way delay: 137.300 ms
Loss rate: 0.82%
```

Run 4: Report of Verus — Data Link

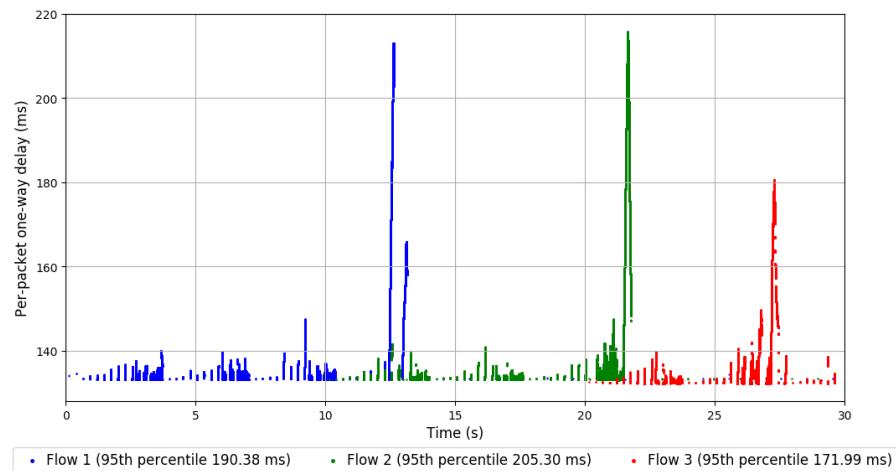
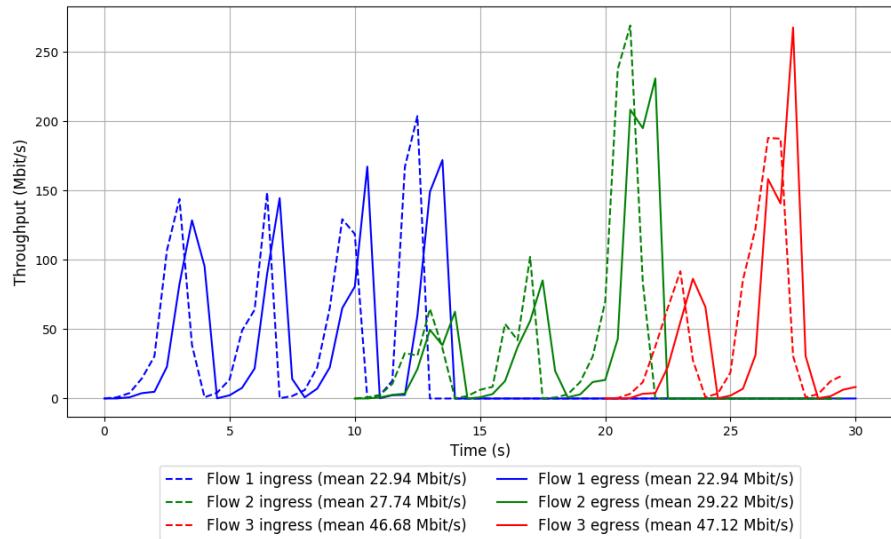


Run 5: Statistics of Verus

```
Start at: 2019-11-24 18:09:03
End at: 2019-11-24 18:09:33
Local clock offset: 0.199 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2019-11-24 21:07:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 191.996 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 22.94 Mbit/s
95th percentile per-packet one-way delay: 190.376 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.22 Mbit/s
95th percentile per-packet one-way delay: 205.302 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.12 Mbit/s
95th percentile per-packet one-way delay: 171.990 ms
Loss rate: 1.86%
```

Run 5: Report of Verus — Data Link

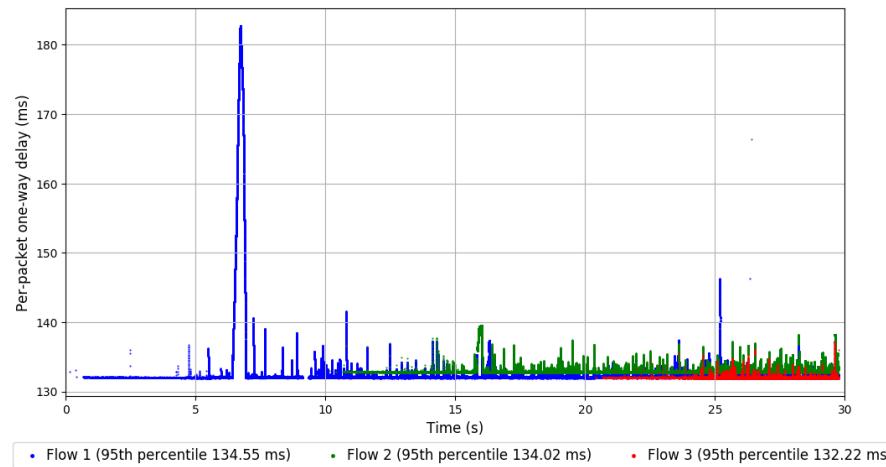
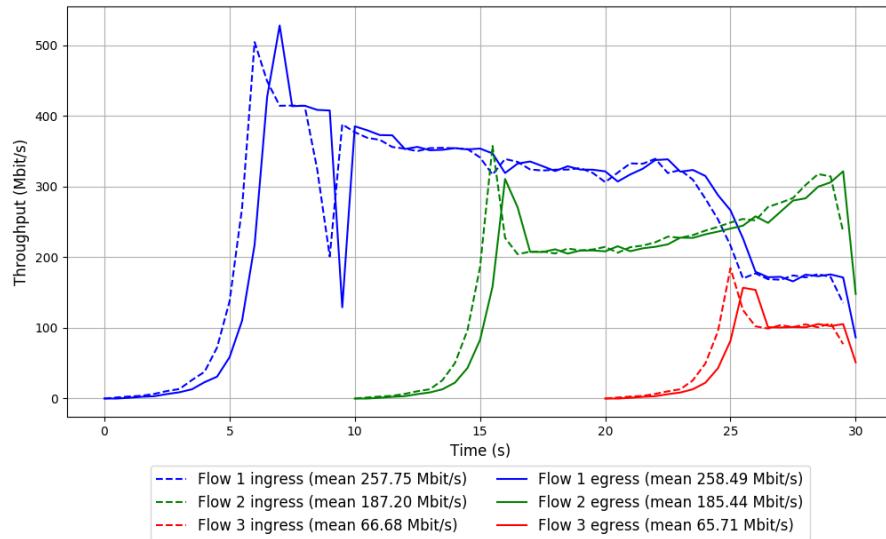


```
Run 1: Statistics of PCC-Vivace

Start at: 2019-11-24 15:20:43
End at: 2019-11-24 15:21:13
Local clock offset: 0.242 ms
Remote clock offset: 0.443 ms

# Below is generated by plot.py at 2019-11-24 21:07:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 402.48 Mbit/s
95th percentile per-packet one-way delay: 134.106 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 258.49 Mbit/s
95th percentile per-packet one-way delay: 134.547 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 185.44 Mbit/s
95th percentile per-packet one-way delay: 134.024 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 65.71 Mbit/s
95th percentile per-packet one-way delay: 132.221 ms
Loss rate: 4.07%
```

Run 1: Report of PCC-Vivace — Data Link

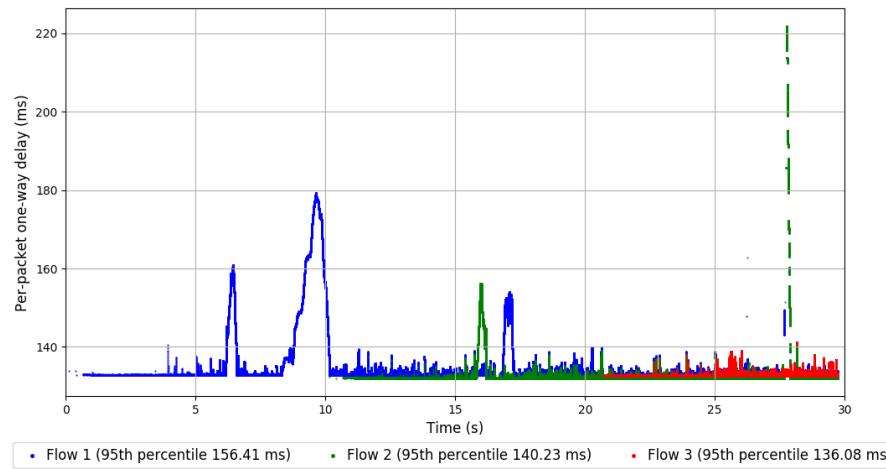
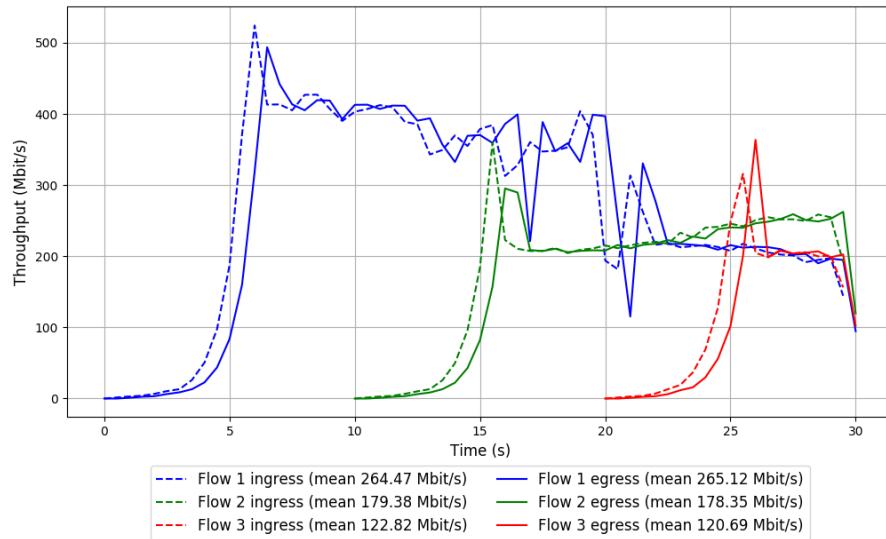


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-11-24 16:03:57
End at: 2019-11-24 16:04:27
Local clock offset: -0.105 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2019-11-24 21:07:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 422.31 Mbit/s
95th percentile per-packet one-way delay: 150.507 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 265.12 Mbit/s
95th percentile per-packet one-way delay: 156.411 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 178.35 Mbit/s
95th percentile per-packet one-way delay: 140.232 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 120.69 Mbit/s
95th percentile per-packet one-way delay: 136.077 ms
Loss rate: 4.40%
```

Run 2: Report of PCC-Vivace — Data Link

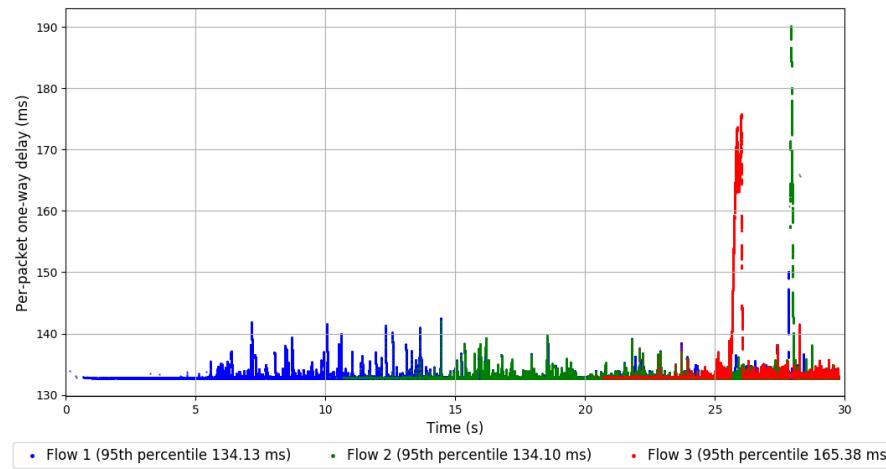
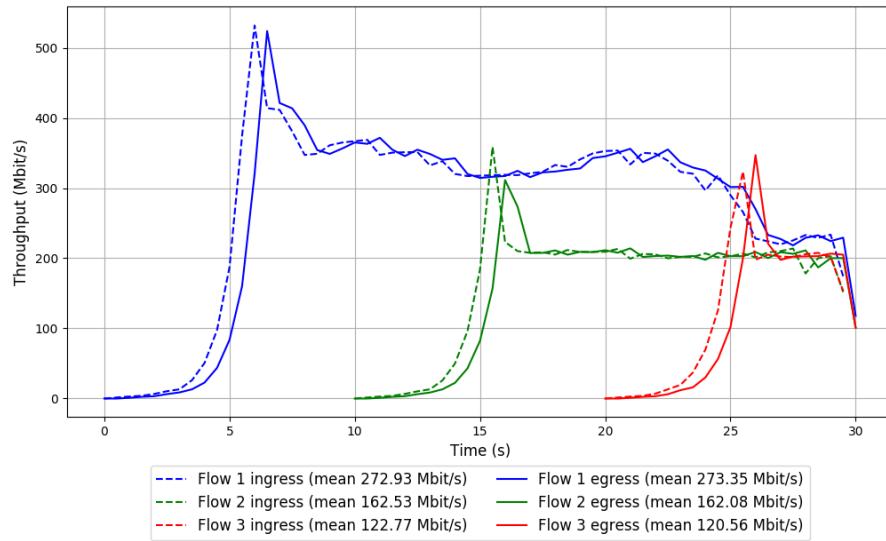


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-11-24 16:47:26
End at: 2019-11-24 16:47:56
Local clock offset: -0.064 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2019-11-24 21:08:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 419.73 Mbit/s
95th percentile per-packet one-way delay: 134.597 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 273.35 Mbit/s
95th percentile per-packet one-way delay: 134.128 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 162.08 Mbit/s
95th percentile per-packet one-way delay: 134.102 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 120.56 Mbit/s
95th percentile per-packet one-way delay: 165.385 ms
Loss rate: 4.44%
```

Run 3: Report of PCC-Vivace — Data Link

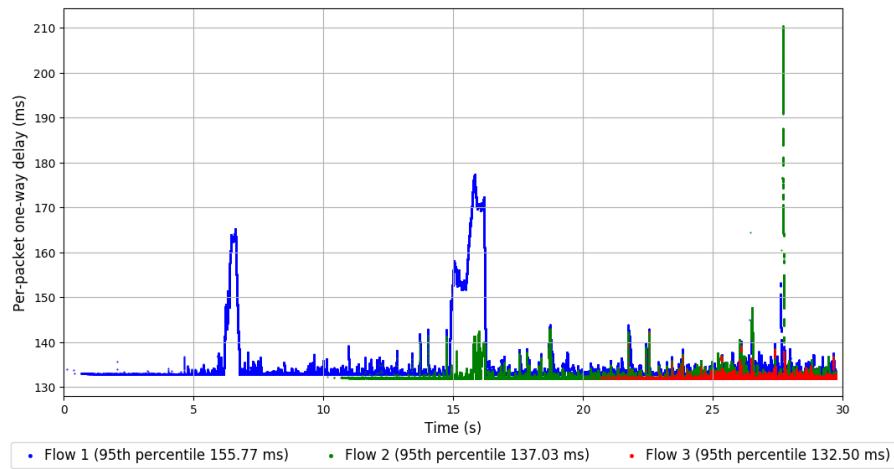
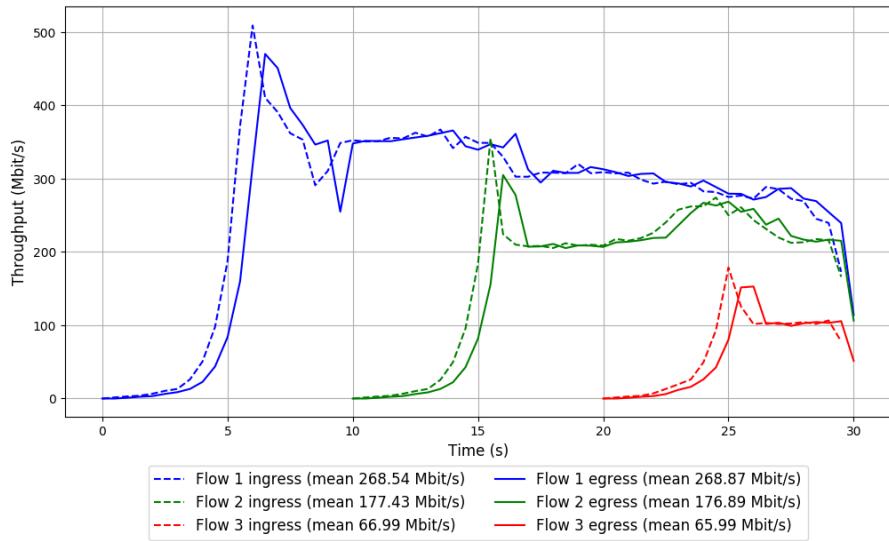


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-11-24 17:30:40
End at: 2019-11-24 17:31:10
Local clock offset: -0.159 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2019-11-24 21:08:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 407.32 Mbit/s
95th percentile per-packet one-way delay: 150.612 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 268.87 Mbit/s
95th percentile per-packet one-way delay: 155.772 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 176.89 Mbit/s
95th percentile per-packet one-way delay: 137.031 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 65.99 Mbit/s
95th percentile per-packet one-way delay: 132.505 ms
Loss rate: 4.13%
```

Run 4: Report of PCC-Vivace — Data Link

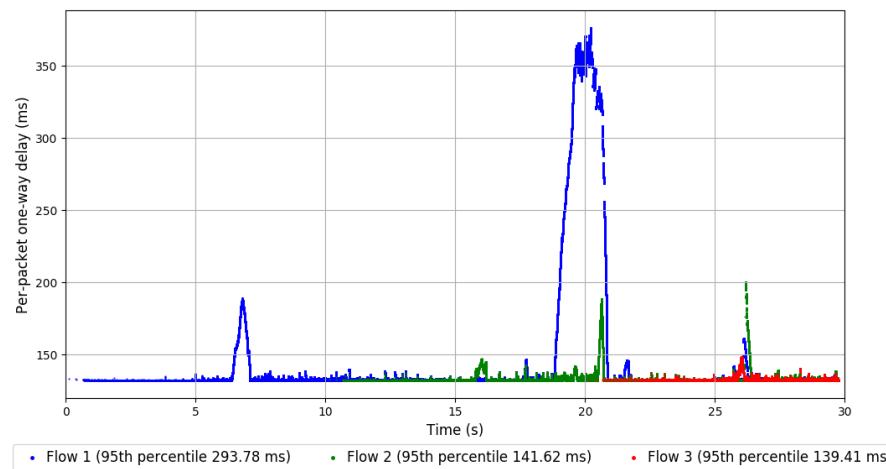
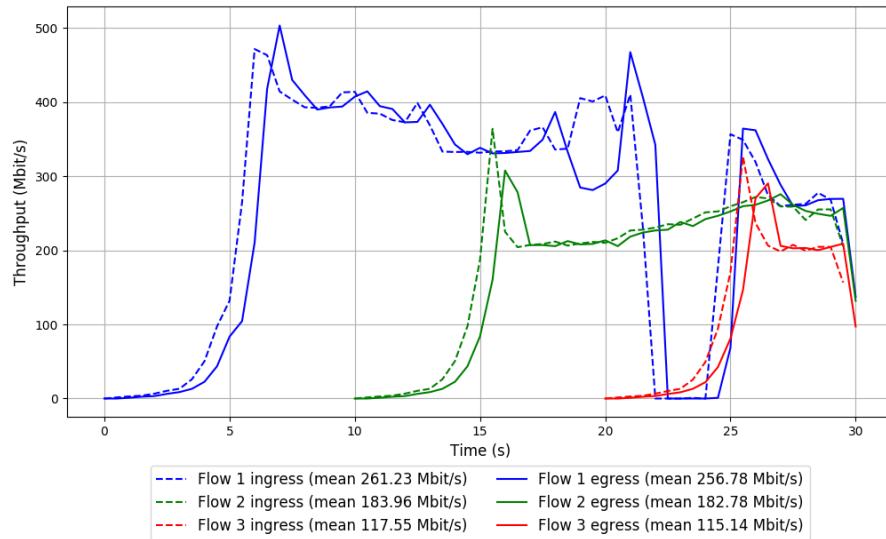


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-11-24 18:13:30
End at: 2019-11-24 18:14:00
Local clock offset: -0.067 ms
Remote clock offset: 0.351 ms

# Below is generated by plot.py at 2019-11-24 21:08:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 415.08 Mbit/s
95th percentile per-packet one-way delay: 188.120 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 256.78 Mbit/s
95th percentile per-packet one-way delay: 293.782 ms
Loss rate: 2.58%
-- Flow 2:
Average throughput: 182.78 Mbit/s
95th percentile per-packet one-way delay: 141.616 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 115.14 Mbit/s
95th percentile per-packet one-way delay: 139.409 ms
Loss rate: 4.70%
```

Run 5: Report of PCC-Vivace — Data Link

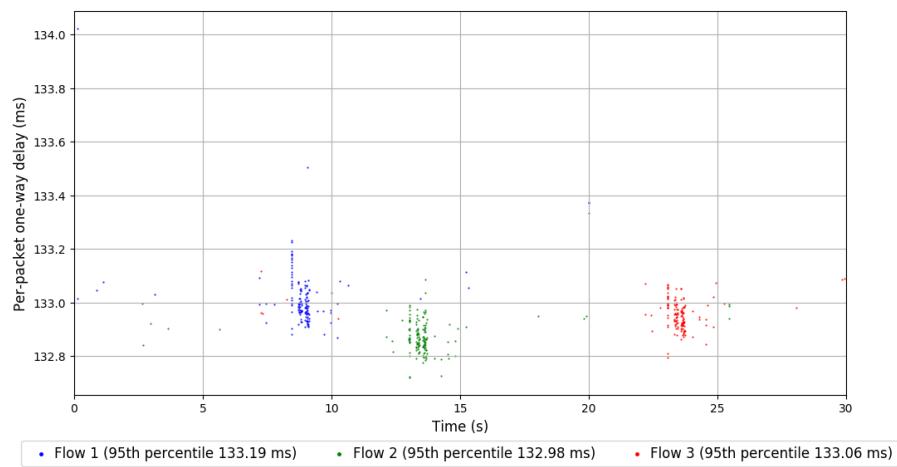
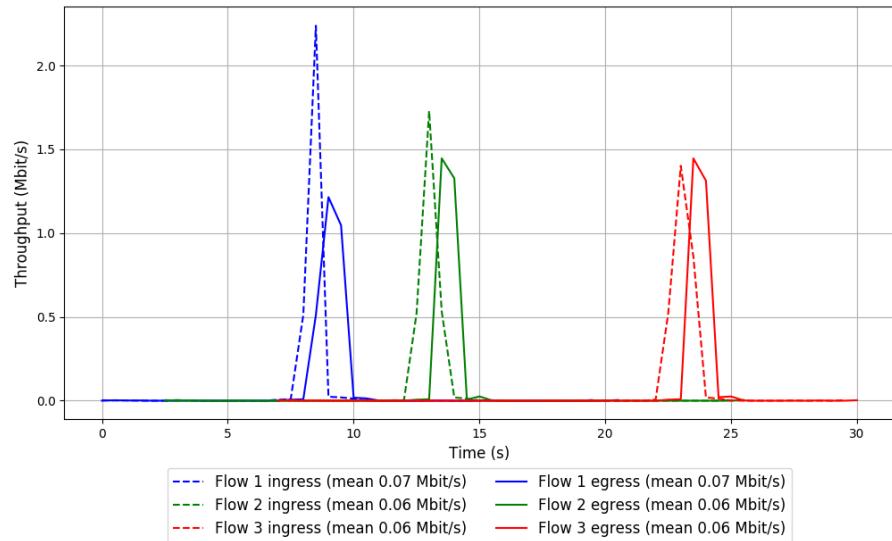


Run 1: Statistics of WebRTC media

```
Start at: 2019-11-24 14:56:55
End at: 2019-11-24 14:57:25
Local clock offset: -0.133 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2019-11-24 21:08:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 133.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 133.191 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 132.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 133.058 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

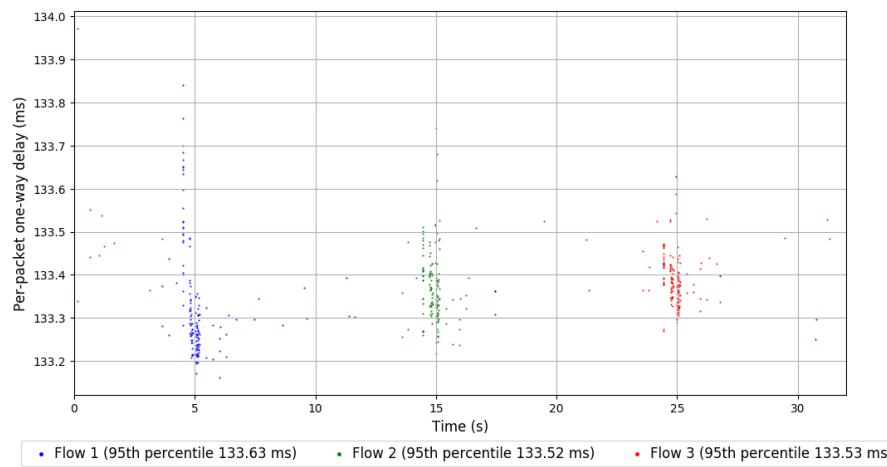
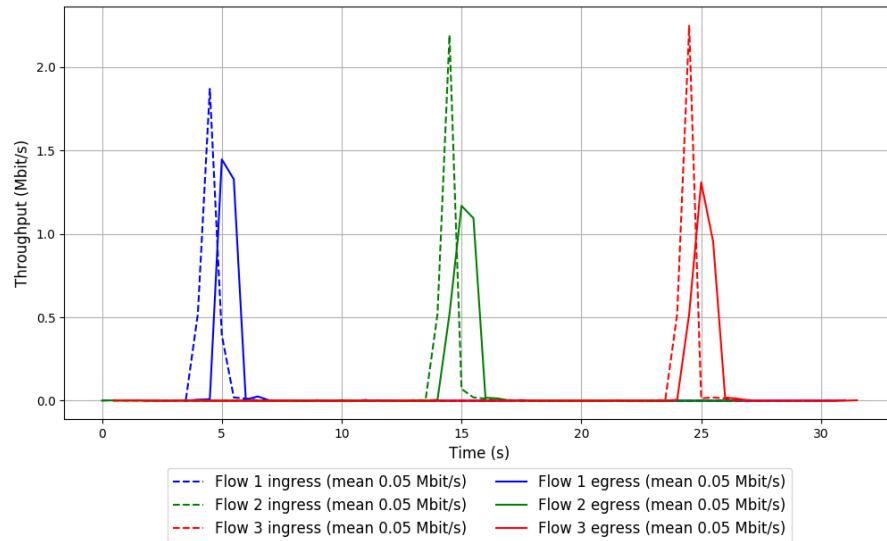


Run 2: Statistics of WebRTC media

```
Start at: 2019-11-24 15:39:54
End at: 2019-11-24 15:40:24
Local clock offset: -0.078 ms
Remote clock offset: -0.406 ms

# Below is generated by plot.py at 2019-11-24 21:08:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 133.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.634 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.516 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.529 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

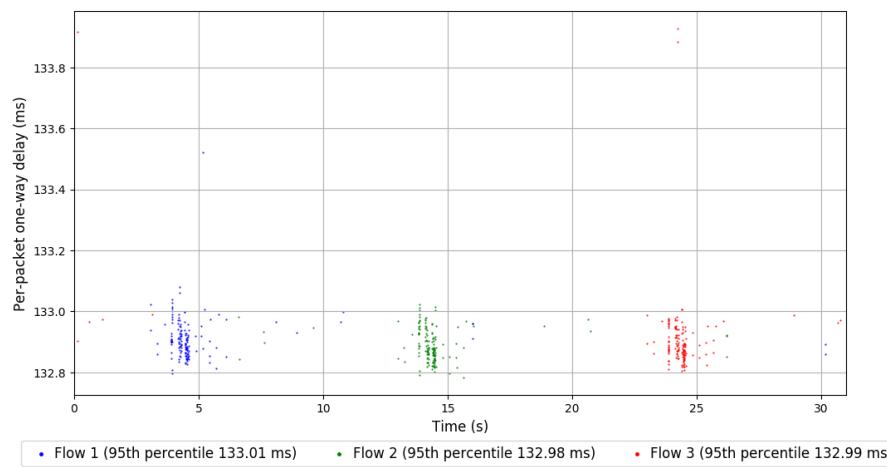
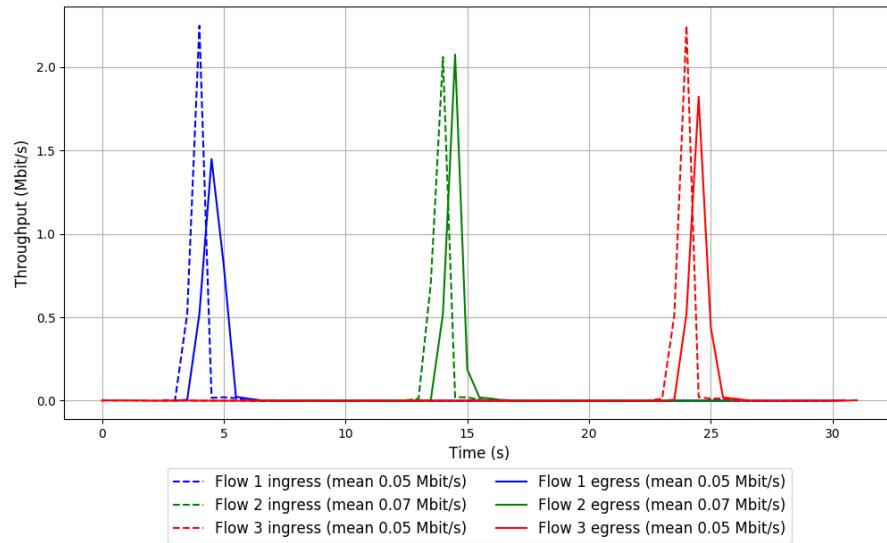


Run 3: Statistics of WebRTC media

```
Start at: 2019-11-24 16:23:27
End at: 2019-11-24 16:23:57
Local clock offset: -0.116 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2019-11-24 21:08:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 132.997 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.006 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 132.981 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.988 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

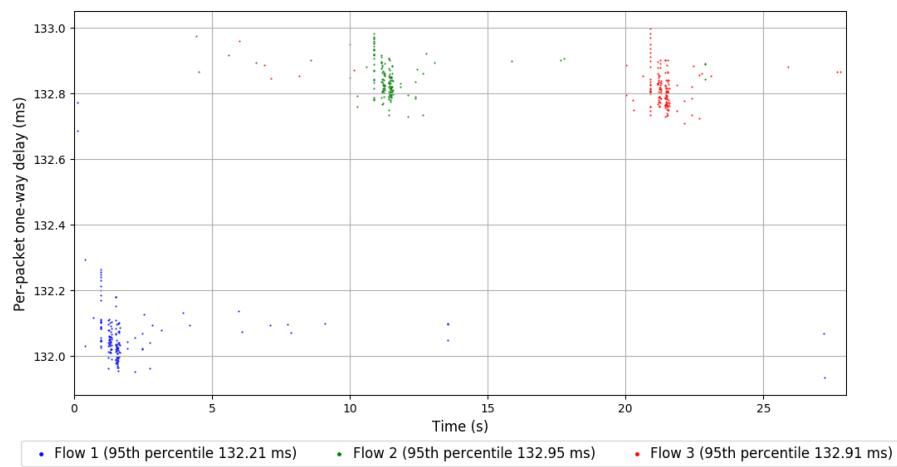
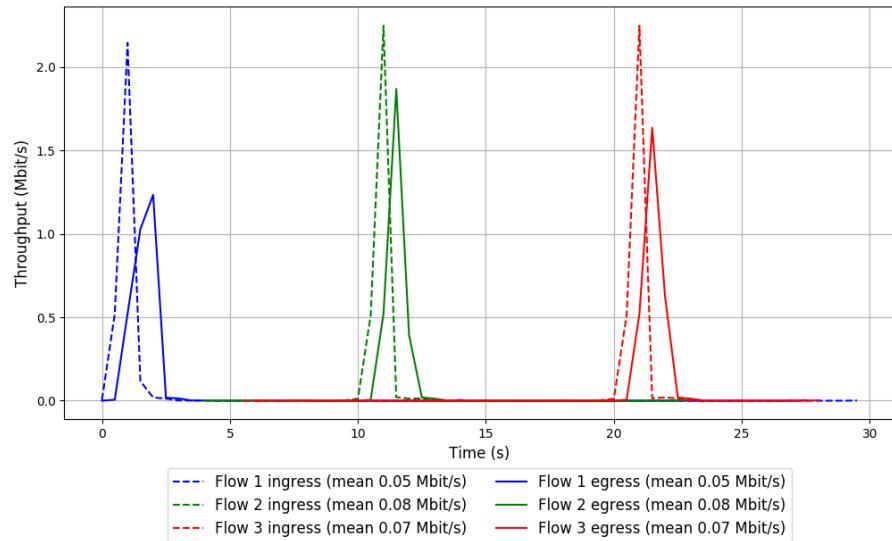


Run 4: Statistics of WebRTC media

```
Start at: 2019-11-24 17:06:37
End at: 2019-11-24 17:07:07
Local clock offset: -0.103 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2019-11-24 21:08:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.918 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.214 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 132.951 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 132.912 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-11-24 17:49:14
End at: 2019-11-24 17:49:44
Local clock offset: -0.096 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2019-11-24 21:08:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 133.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.132 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 132.950 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.032 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

