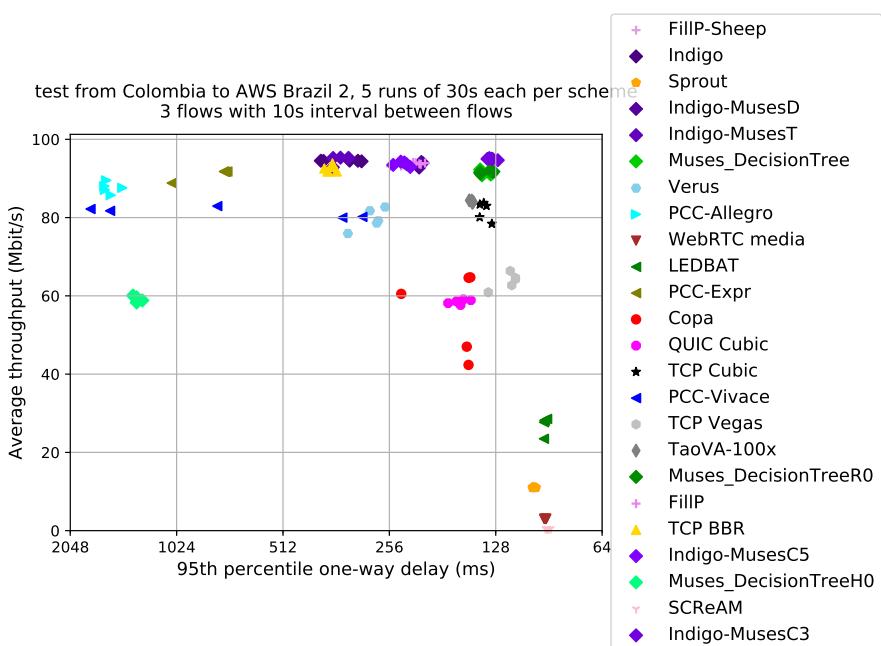
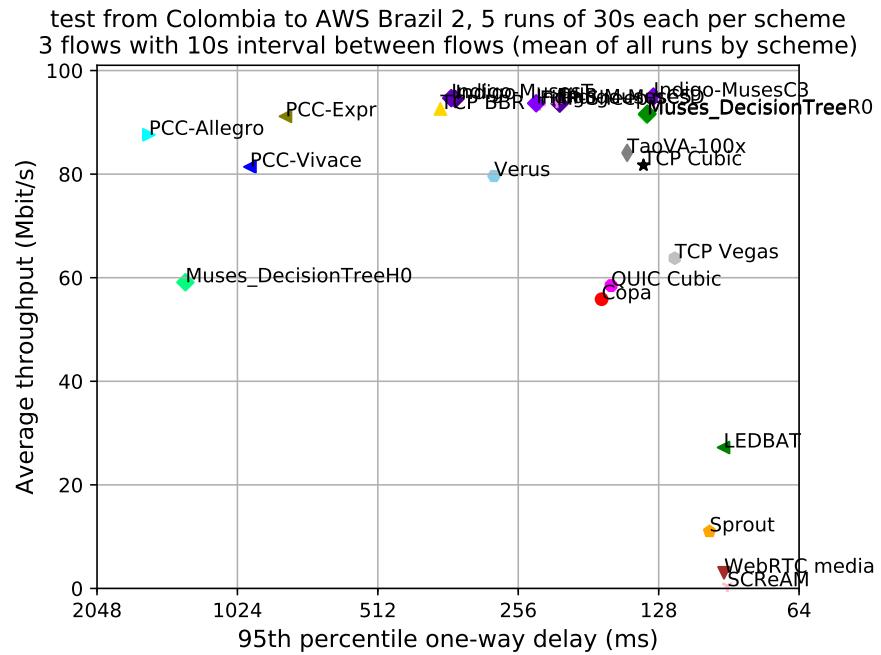


Pantheon Report

Generated at 2019-12-11 17:38:10 (UTC).
Data path: Colombia on p4p1 (*remote*) → AWS Brazil 2 on ens5 (*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 gps.ntp.br and have been applied to correct the timestamps in logs.

```
System info:  
Linux 4.15.0-1054-aws  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
Git summary:  
branch: muses @ 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
```



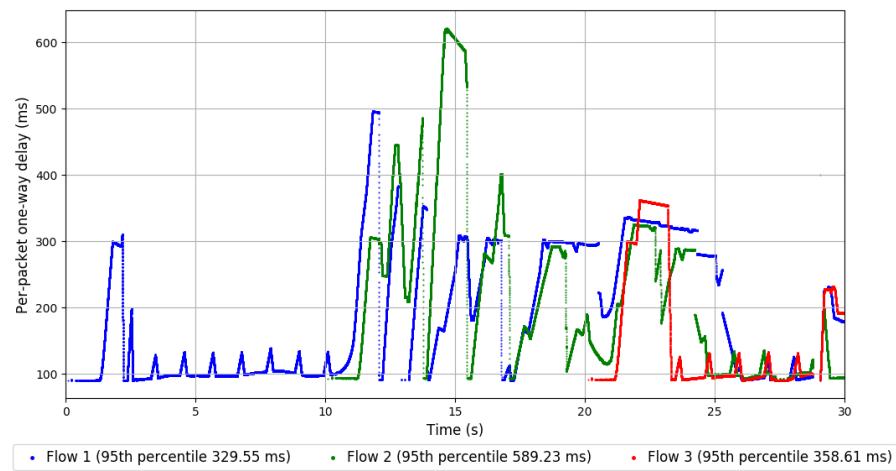
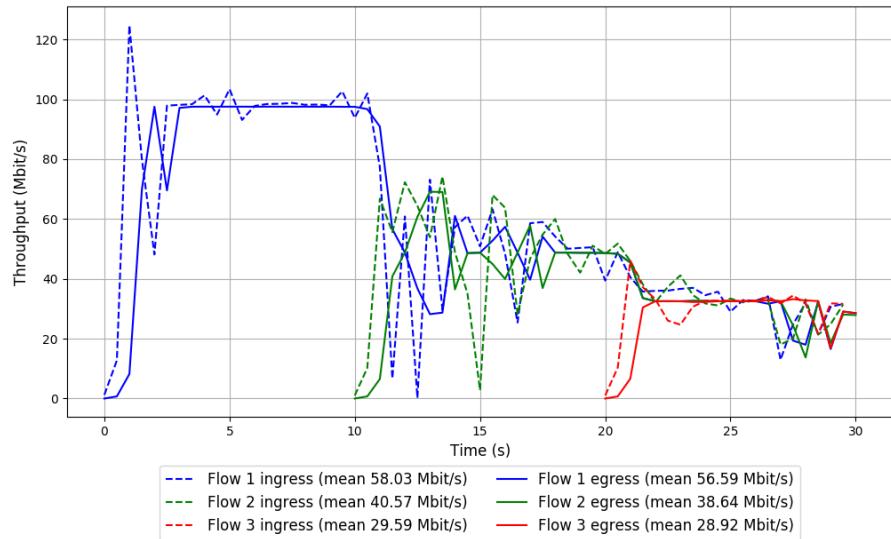
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	56.76	38.80	30.48	343.94	459.58	355.57	2.61	4.49	5.74
Copa		11.23	47.97	43.90	169.11	155.97	130.06	0.38	0.29	1.25
TCP Cubic		49.41	33.96	29.60	147.71	129.79	147.14	0.37	0.64	1.91
FillP		57.74	39.39	30.23	217.66	208.72	233.02	1.10	2.28	3.52
FillP-Sheep		57.15	39.36	30.71	224.51	225.21	234.72	0.66	1.75	2.67
Indigo		58.74	39.25	29.86	355.60	135.72	121.10	4.27	0.94	1.86
Indigo-MusesC3		60.84	40.07	30.35	126.83	123.49	143.84	1.73	3.69	2.83
Indigo-MusesC5		58.66	41.24	30.11	226.02	248.86	267.47	2.53	4.08	7.61
Indigo-MusesD		61.55	37.12	29.73	213.30	138.82	174.77	5.58	2.09	5.69
Indigo-MusesT		60.22	40.08	31.40	301.85	353.92	411.89	6.42	6.45	9.14
LEDBAT		17.36	11.99	5.75	92.65	92.52	92.53	0.84	1.40	2.78
Muses_DecisionTree		55.92	38.99	30.64	130.01	137.74	171.17	0.48	0.89	1.95
Muses_DecisionTreeH0		33.21	25.30	28.61	1272.48	1410.24	1302.05	15.20	26.30	22.76
Muses_DecisionTreeR0		55.93	39.01	30.34	130.59	130.76	191.34	0.48	0.84	1.83
PCC-Allegro		54.86	34.61	29.81	1503.05	959.32	1529.73	26.00	11.83	17.68
PCC-Expr		56.76	38.55	26.89	827.23	711.96	334.56	34.21	17.59	7.22
QUIC Cubic		35.14	23.14	24.35	131.80	193.62	204.42	0.43	1.32	2.05
SCReAM		0.22	0.22	0.22	90.00	90.80	90.44	0.46	0.82	1.31
Sprout		5.72	5.50	5.08	98.90	99.60	101.08	0.47	0.70	1.83
TaoVA-100x		44.41	25.67	74.06	148.51	158.95	117.49	0.03	0.06	1.70
TCP Vegas		37.50	30.44	18.32	109.38	109.65	215.67	0.39	0.84	1.64
Verus		50.54	30.63	26.63	264.72	388.77	291.34	0.50	1.45	2.04
PCC-Vivace		51.82	32.63	24.21	1007.50	276.60	253.27	3.14	2.53	2.43
WebRTC media		1.67	0.97	0.40	92.07	91.28	92.16	0.34	0.51	1.07

Run 1: Statistics of TCP BBR

```
Start at: 2019-12-11 15:09:18
End at: 2019-12-11 15:09:48
Local clock offset: -7.512 ms
Remote clock offset: -8.599 ms

# Below is generated by plot.py at 2019-12-11 17:24:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.78 Mbit/s
95th percentile per-packet one-way delay: 360.828 ms
Loss rate: 3.71%
-- Flow 1:
Average throughput: 56.59 Mbit/s
95th percentile per-packet one-way delay: 329.548 ms
Loss rate: 2.92%
-- Flow 2:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 589.233 ms
Loss rate: 5.43%
-- Flow 3:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 358.607 ms
Loss rate: 3.62%
```

Run 1: Report of TCP BBR — Data Link

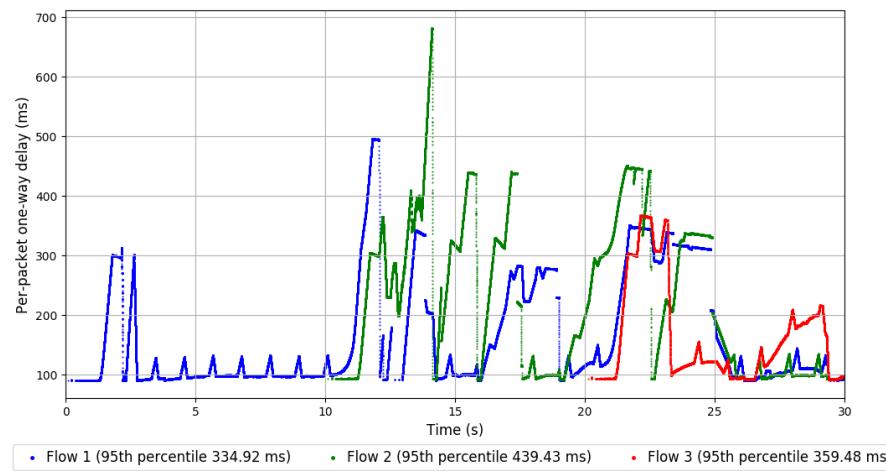
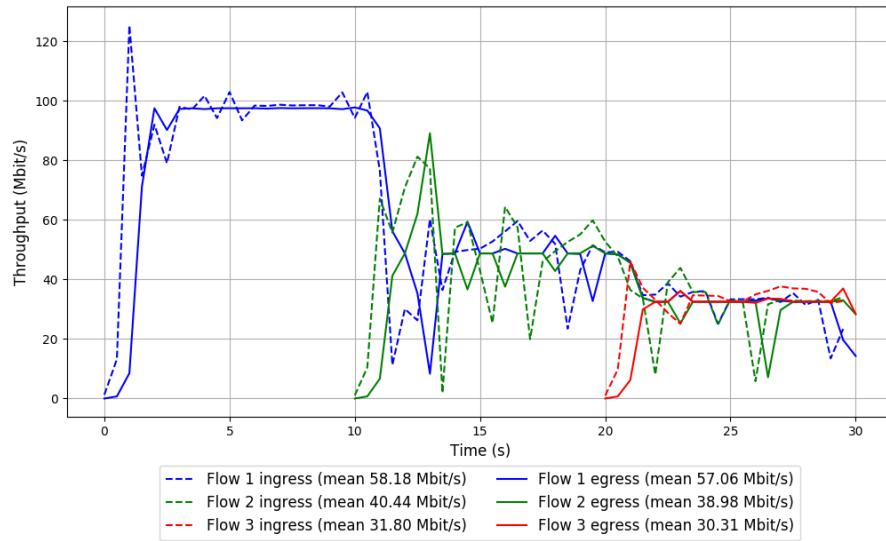


Run 2: Statistics of TCP BBR

```
Start at: 2019-12-11 15:39:32
End at: 2019-12-11 15:40:02
Local clock offset: -7.498 ms
Remote clock offset: -9.758 ms

# Below is generated by plot.py at 2019-12-11 17:24:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 374.227 ms
Loss rate: 3.31%
-- Flow 1:
Average throughput: 57.06 Mbit/s
95th percentile per-packet one-way delay: 334.922 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 439.429 ms
Loss rate: 4.29%
-- Flow 3:
Average throughput: 30.31 Mbit/s
95th percentile per-packet one-way delay: 359.475 ms
Loss rate: 6.04%
```

Run 2: Report of TCP BBR — Data Link

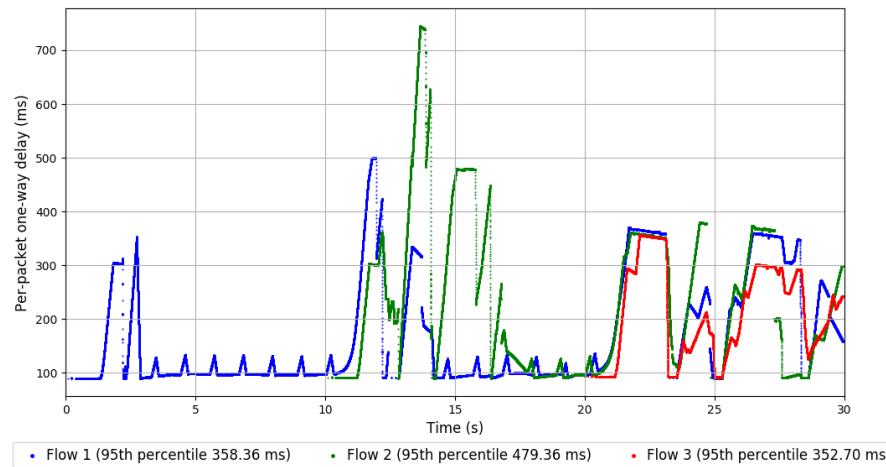
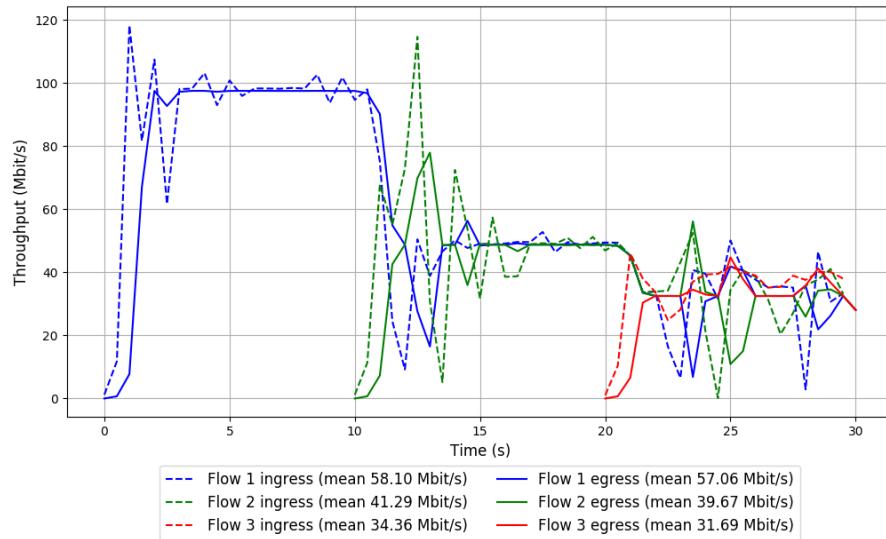


Run 3: Statistics of TCP BBR

```
Start at: 2019-12-11 16:09:50
End at: 2019-12-11 16:10:20
Local clock offset: -7.623 ms
Remote clock offset: -8.804 ms

# Below is generated by plot.py at 2019-12-11 17:24:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.85 Mbit/s
95th percentile per-packet one-way delay: 370.909 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 57.06 Mbit/s
95th percentile per-packet one-way delay: 358.362 ms
Loss rate: 2.24%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 479.355 ms
Loss rate: 4.61%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 352.704 ms
Loss rate: 9.09%
```

Run 3: Report of TCP BBR — Data Link

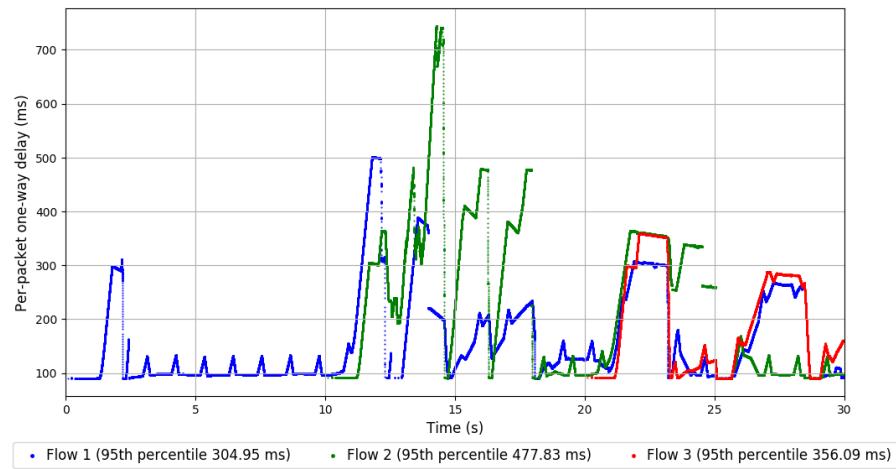
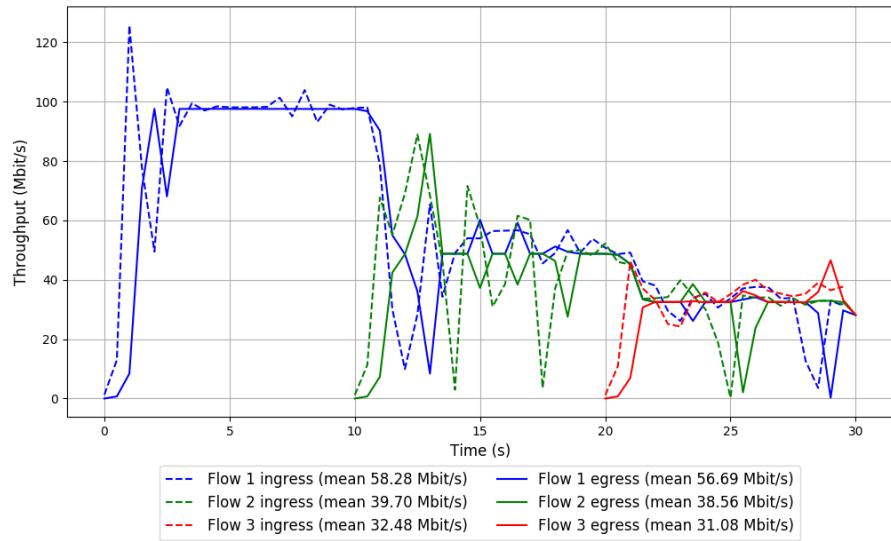


Run 4: Statistics of TCP BBR

```
Start at: 2019-12-11 16:40:08
End at: 2019-12-11 16:40:38
Local clock offset: -5.871 ms
Remote clock offset: -9.277 ms

# Below is generated by plot.py at 2019-12-11 17:24:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.55 Mbit/s
95th percentile per-packet one-way delay: 391.148 ms
Loss rate: 3.56%
-- Flow 1:
Average throughput: 56.69 Mbit/s
95th percentile per-packet one-way delay: 304.955 ms
Loss rate: 3.18%
-- Flow 2:
Average throughput: 38.56 Mbit/s
95th percentile per-packet one-way delay: 477.827 ms
Loss rate: 3.53%
-- Flow 3:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 356.089 ms
Loss rate: 5.65%
```

Run 4: Report of TCP BBR — Data Link

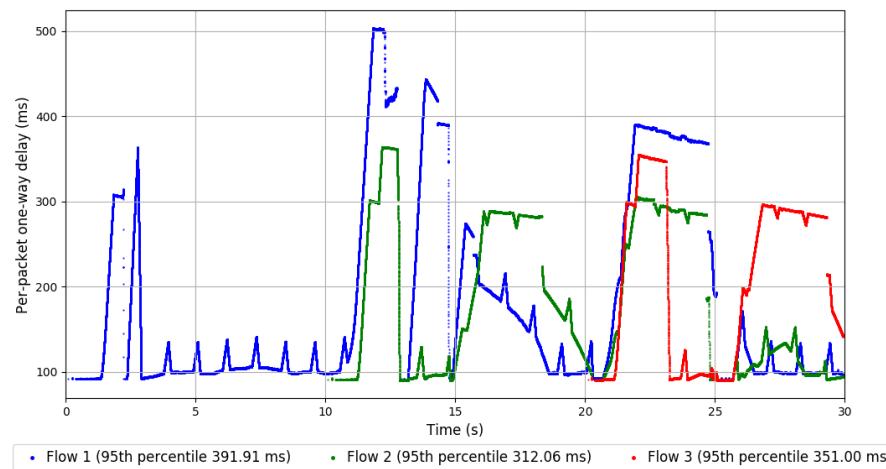
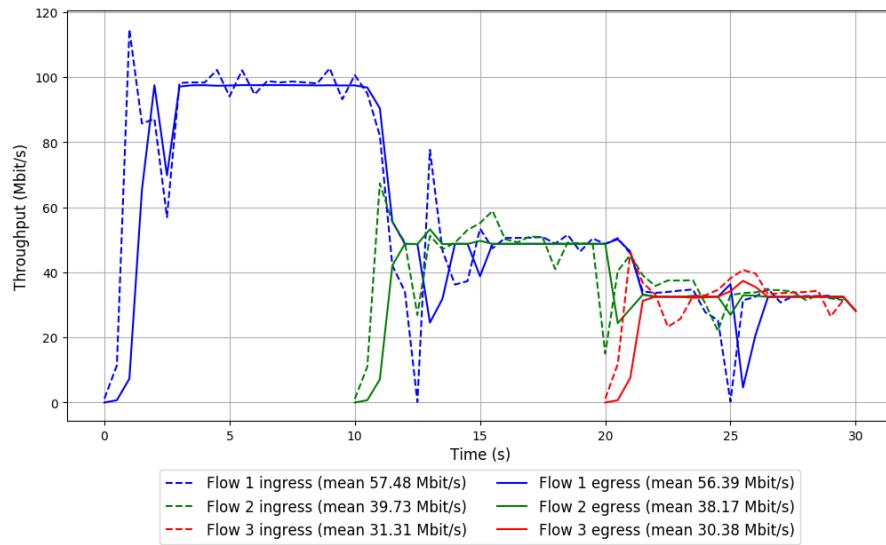


Run 5: Statistics of TCP BBR

```
Start at: 2019-12-11 17:10:26
End at: 2019-12-11 17:10:56
Local clock offset: -6.537 ms
Remote clock offset: -9.051 ms

# Below is generated by plot.py at 2019-12-11 17:24:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 382.688 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 56.39 Mbit/s
95th percentile per-packet one-way delay: 391.909 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 38.17 Mbit/s
95th percentile per-packet one-way delay: 312.061 ms
Loss rate: 4.59%
-- Flow 3:
Average throughput: 30.38 Mbit/s
95th percentile per-packet one-way delay: 350.995 ms
Loss rate: 4.32%
```

Run 5: Report of TCP BBR — Data Link

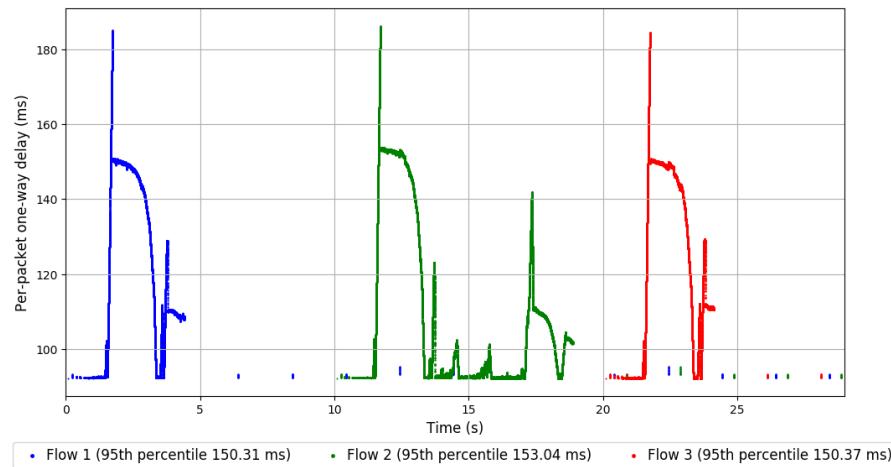
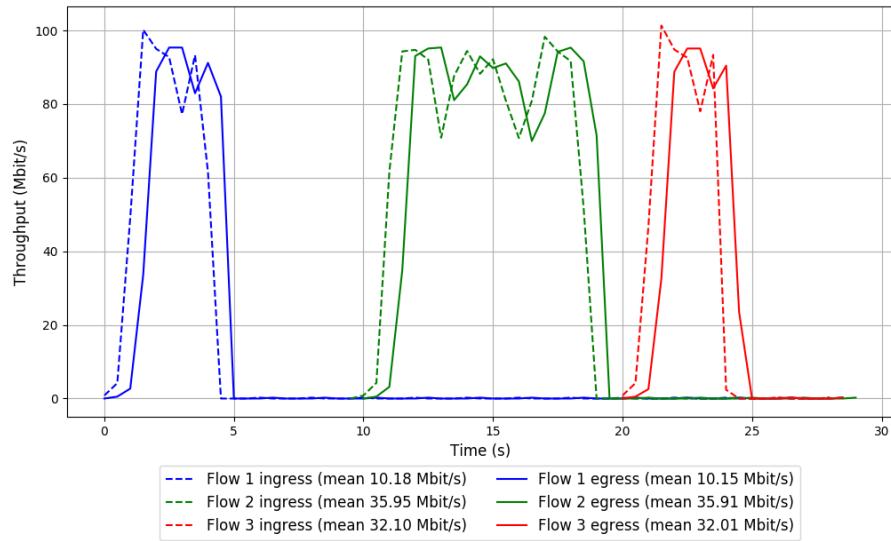


Run 1: Statistics of Copa

```
Start at: 2019-12-11 15:15:35
End at: 2019-12-11 15:16:05
Local clock offset: -6.647 ms
Remote clock offset: -8.857 ms

# Below is generated by plot.py at 2019-12-11 17:24:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.35 Mbit/s
95th percentile per-packet one-way delay: 152.838 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 10.15 Mbit/s
95th percentile per-packet one-way delay: 150.312 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 35.91 Mbit/s
95th percentile per-packet one-way delay: 153.044 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 32.01 Mbit/s
95th percentile per-packet one-way delay: 150.368 ms
Loss rate: 0.28%
```

Run 1: Report of Copa — Data Link

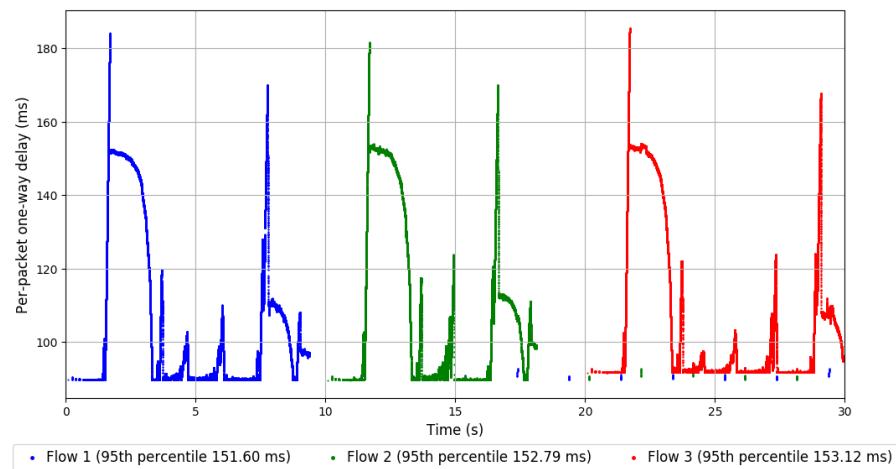
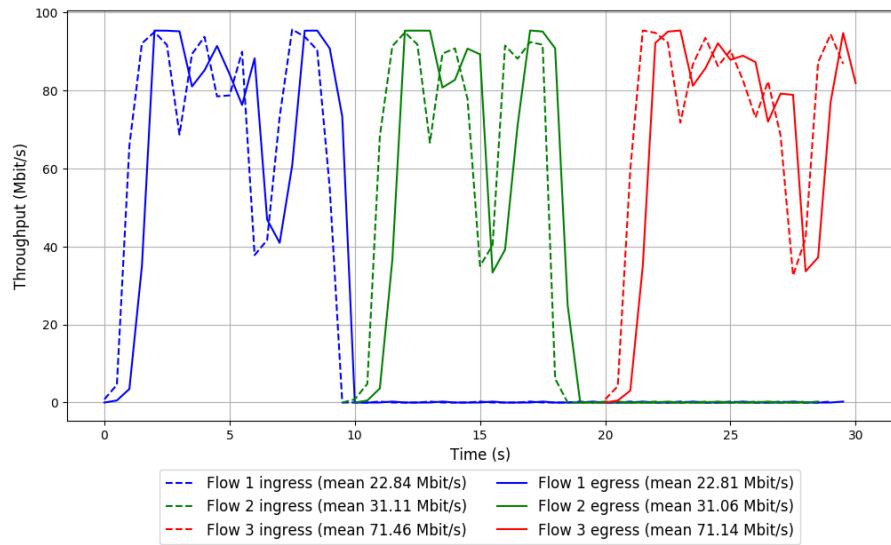


Run 2: Statistics of Copa

```
Start at: 2019-12-11 15:45:49
End at: 2019-12-11 15:46:19
Local clock offset: -7.695 ms
Remote clock offset: -9.728 ms

# Below is generated by plot.py at 2019-12-11 17:25:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.62 Mbit/s
95th percentile per-packet one-way delay: 152.767 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 22.81 Mbit/s
95th percentile per-packet one-way delay: 151.598 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 152.786 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 71.14 Mbit/s
95th percentile per-packet one-way delay: 153.121 ms
Loss rate: 1.85%
```

Run 2: Report of Copa — Data Link

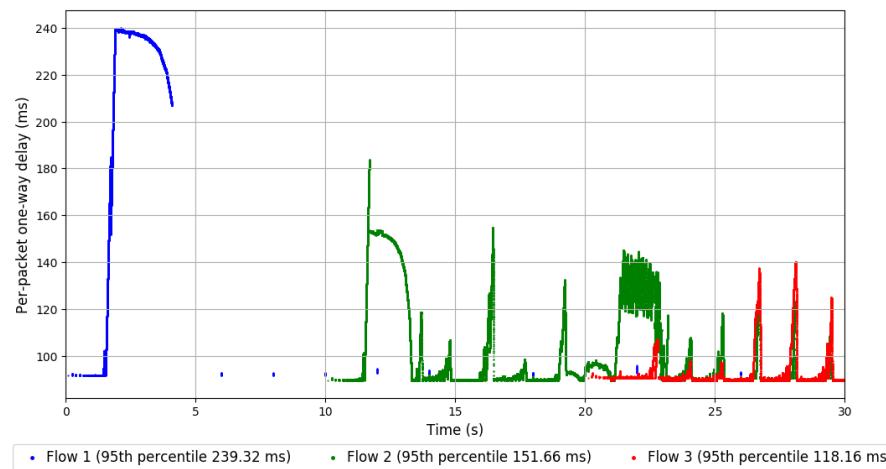
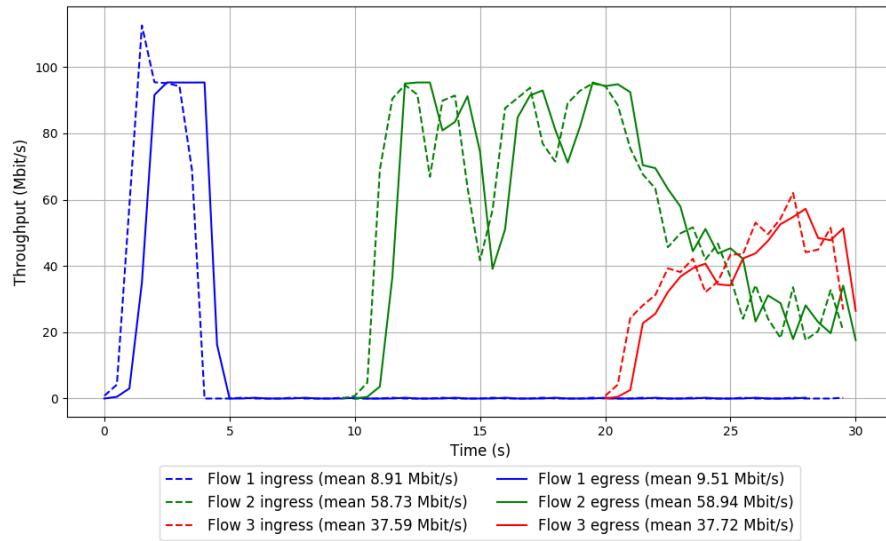


Run 3: Statistics of Copa

```
Start at: 2019-12-11 16:16:08
End at: 2019-12-11 16:16:38
Local clock offset: -7.354 ms
Remote clock offset: -9.527 ms

# Below is generated by plot.py at 2019-12-11 17:25:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.51 Mbit/s
95th percentile per-packet one-way delay: 237.006 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 239.317 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 151.660 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 118.160 ms
Loss rate: 1.05%
```

Run 3: Report of Copa — Data Link

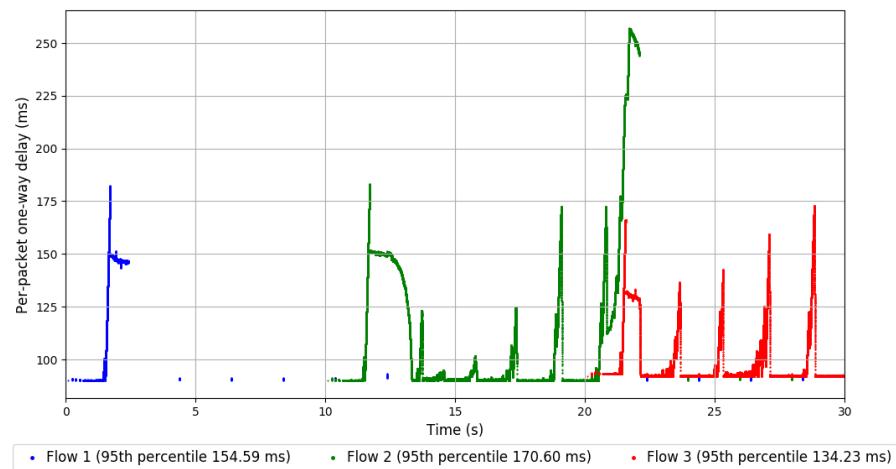
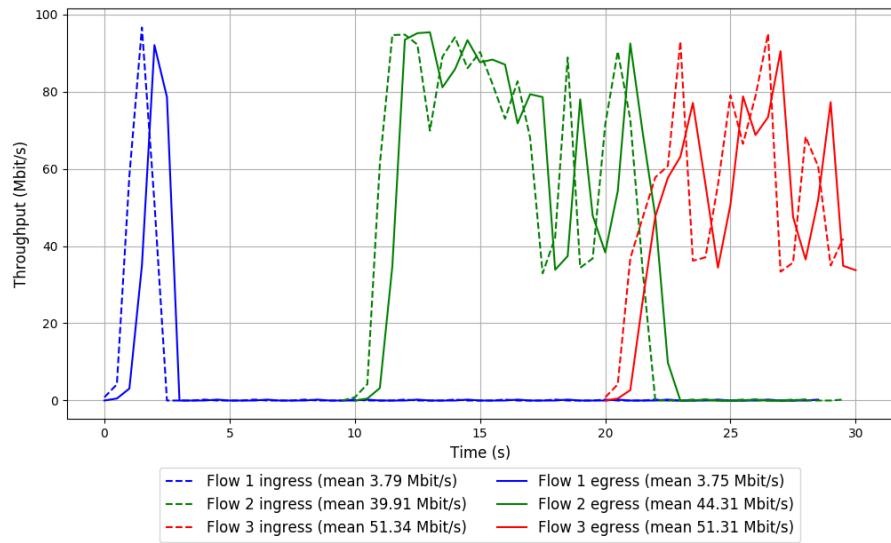


Run 4: Statistics of Copa

```
Start at: 2019-12-11 16:46:25
End at: 2019-12-11 16:46:55
Local clock offset: -5.695 ms
Remote clock offset: -9.288 ms

# Below is generated by plot.py at 2019-12-11 17:25:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 154.601 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 154.589 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 44.31 Mbit/s
95th percentile per-packet one-way delay: 170.603 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 51.31 Mbit/s
95th percentile per-packet one-way delay: 134.229 ms
Loss rate: 1.45%
```

Run 4: Report of Copa — Data Link

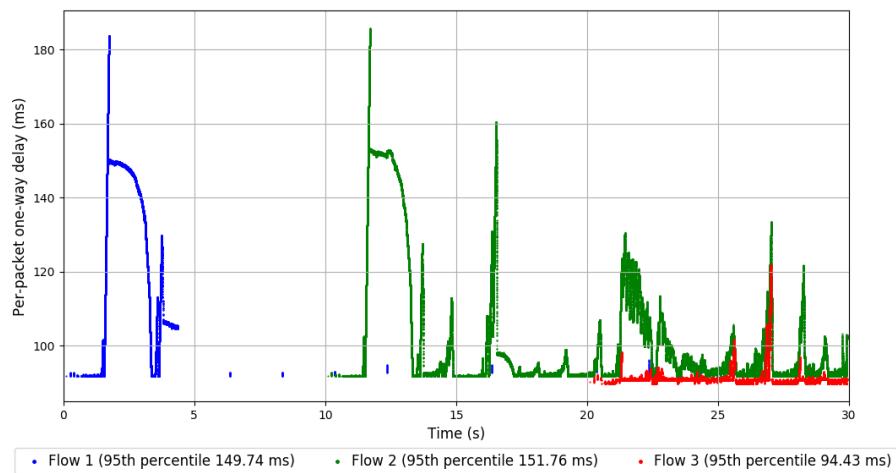
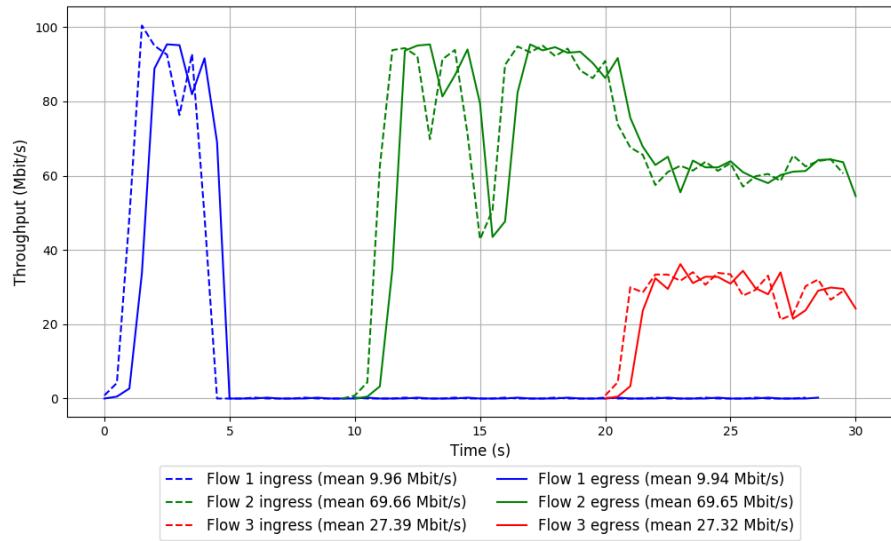


Run 5: Statistics of Copa

```
Start at: 2019-12-11 17:16:44
End at: 2019-12-11 17:17:14
Local clock offset: -6.213 ms
Remote clock offset: -8.209 ms

# Below is generated by plot.py at 2019-12-11 17:26:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.73 Mbit/s
95th percentile per-packet one-way delay: 151.026 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 9.94 Mbit/s
95th percentile per-packet one-way delay: 149.742 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 69.65 Mbit/s
95th percentile per-packet one-way delay: 151.760 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 27.32 Mbit/s
95th percentile per-packet one-way delay: 94.428 ms
Loss rate: 1.61%
```

Run 5: Report of Copa — Data Link

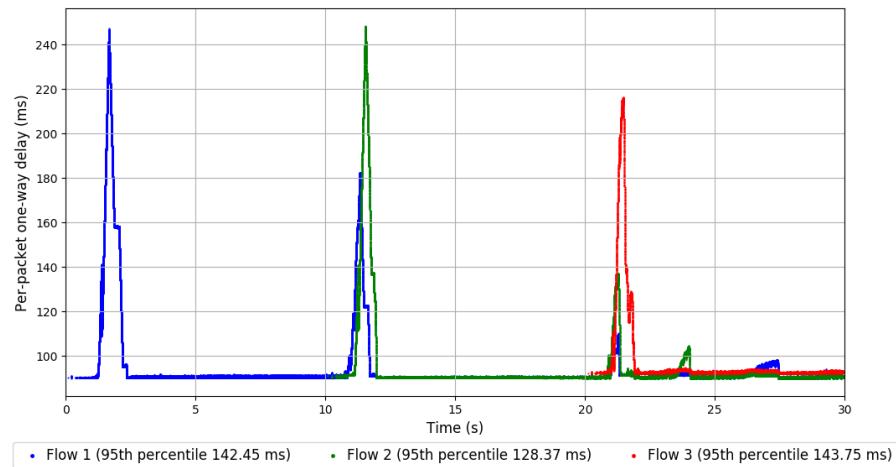
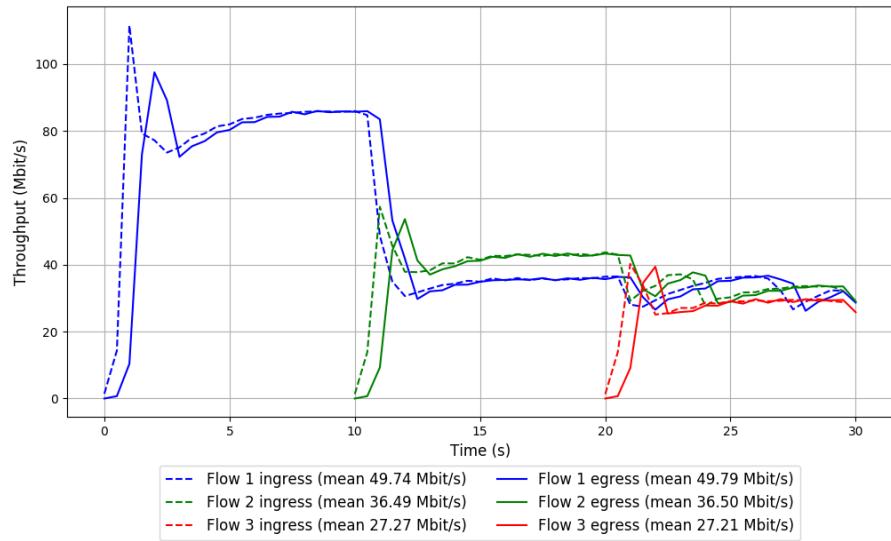


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-12-11 15:08:02
End at: 2019-12-11 15:08:32
Local clock offset: -8.406 ms
Remote clock offset: -9.227 ms

# Below is generated by plot.py at 2019-12-11 17:26:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.00 Mbit/s
95th percentile per-packet one-way delay: 135.976 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 142.454 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 36.50 Mbit/s
95th percentile per-packet one-way delay: 128.366 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 27.21 Mbit/s
95th percentile per-packet one-way delay: 143.750 ms
Loss rate: 1.61%
```

Run 1: Report of TCP Cubic — Data Link

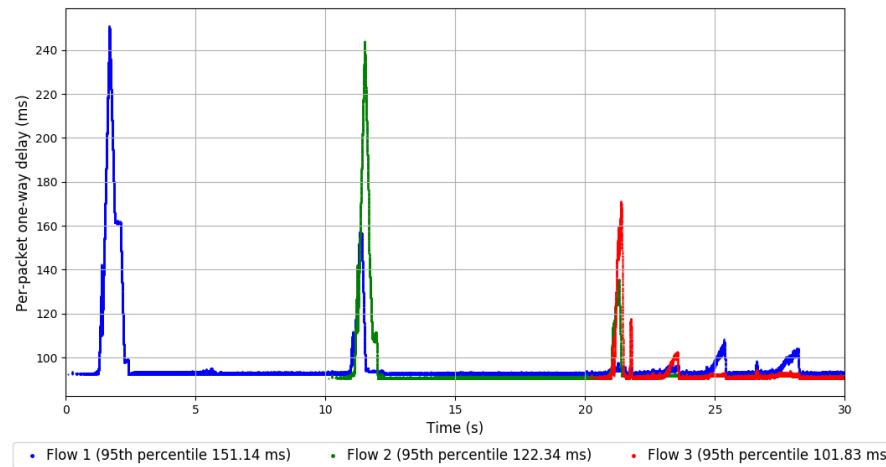
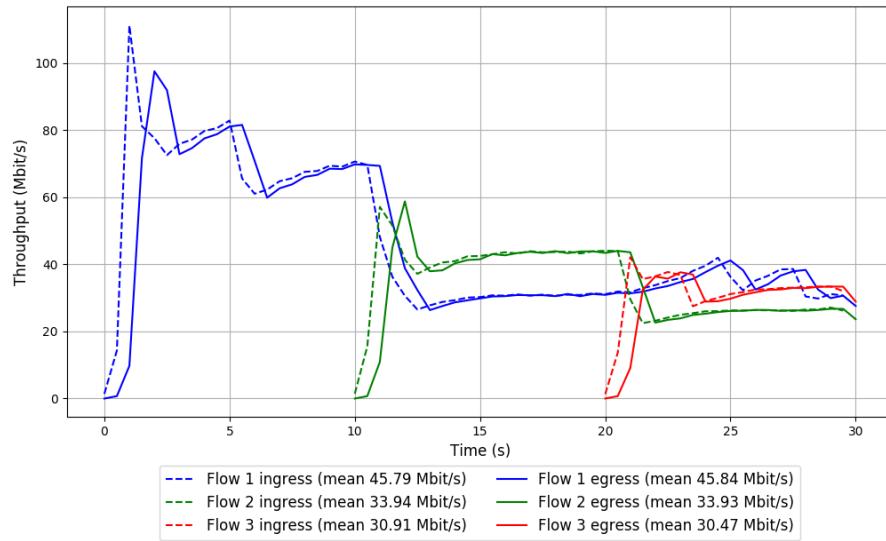


Run 2: Statistics of TCP Cubic

```
Start at: 2019-12-11 15:38:17
End at: 2019-12-11 15:38:47
Local clock offset: -6.752 ms
Remote clock offset: -9.721 ms

# Below is generated by plot.py at 2019-12-11 17:26:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.42 Mbit/s
95th percentile per-packet one-way delay: 131.291 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 45.84 Mbit/s
95th percentile per-packet one-way delay: 151.144 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 33.93 Mbit/s
95th percentile per-packet one-way delay: 122.340 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 101.826 ms
Loss rate: 2.80%
```

Run 2: Report of TCP Cubic — Data Link

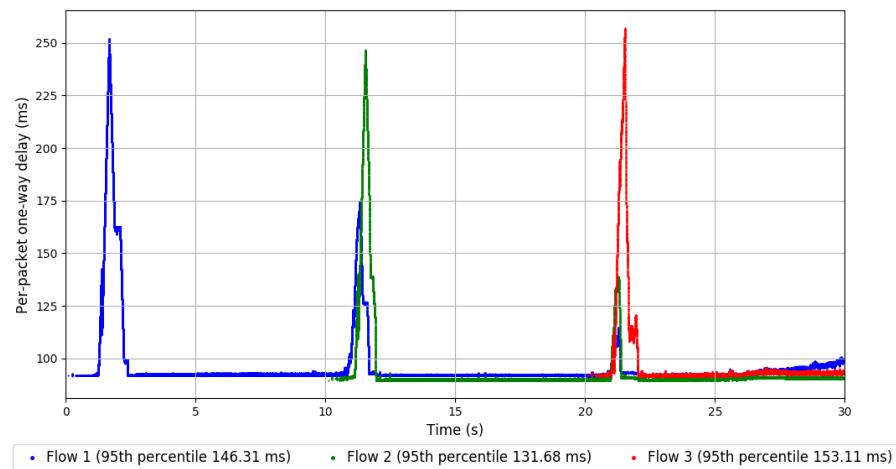
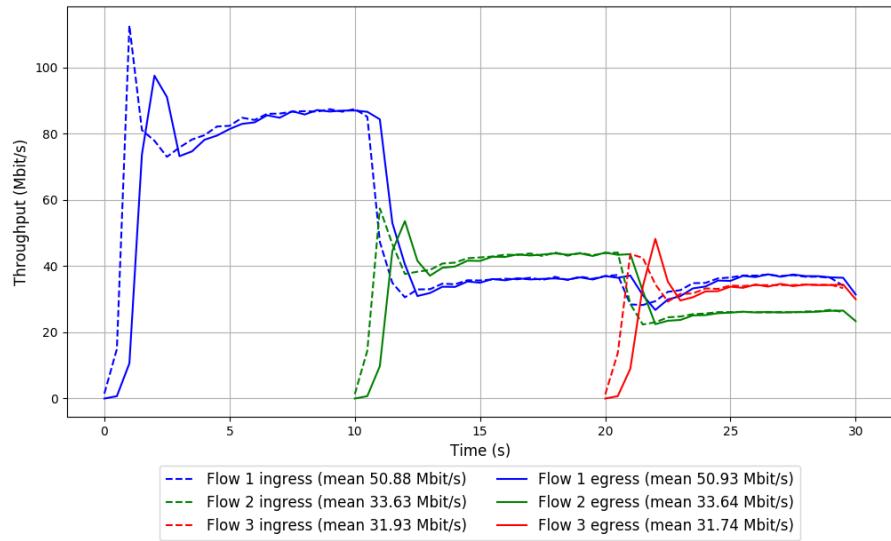


Run 3: Statistics of TCP Cubic

```
Start at: 2019-12-11 16:08:34
End at: 2019-12-11 16:09:04
Local clock offset: -7.897 ms
Remote clock offset: -8.783 ms

# Below is generated by plot.py at 2019-12-11 17:26:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.73 Mbit/s
95th percentile per-packet one-way delay: 138.431 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 50.93 Mbit/s
95th percentile per-packet one-way delay: 146.313 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: 131.680 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 153.109 ms
Loss rate: 2.00%
```

Run 3: Report of TCP Cubic — Data Link

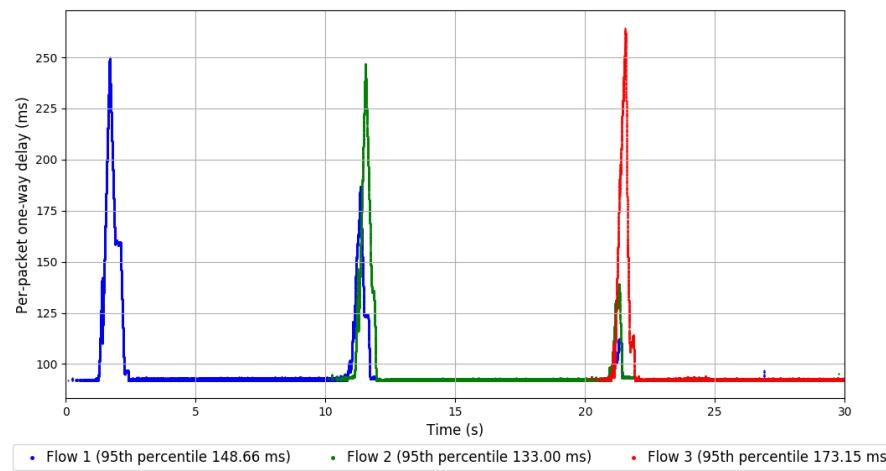
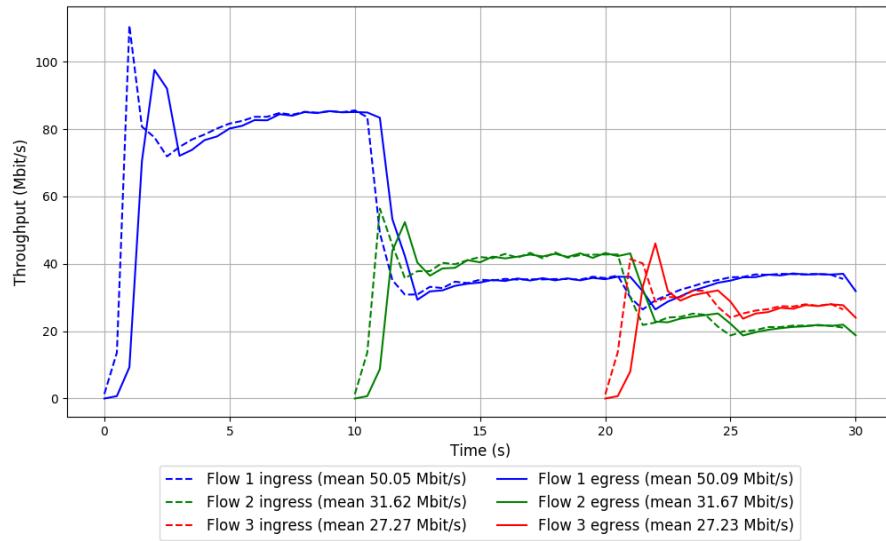


Run 4: Statistics of TCP Cubic

```
Start at: 2019-12-11 16:38:52
End at: 2019-12-11 16:39:22
Local clock offset: -5.899 ms
Remote clock offset: -9.145 ms

# Below is generated by plot.py at 2019-12-11 17:26:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.08 Mbit/s
95th percentile per-packet one-way delay: 142.118 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 50.09 Mbit/s
95th percentile per-packet one-way delay: 148.662 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 133.005 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 27.23 Mbit/s
95th percentile per-packet one-way delay: 173.148 ms
Loss rate: 1.52%
```

Run 4: Report of TCP Cubic — Data Link

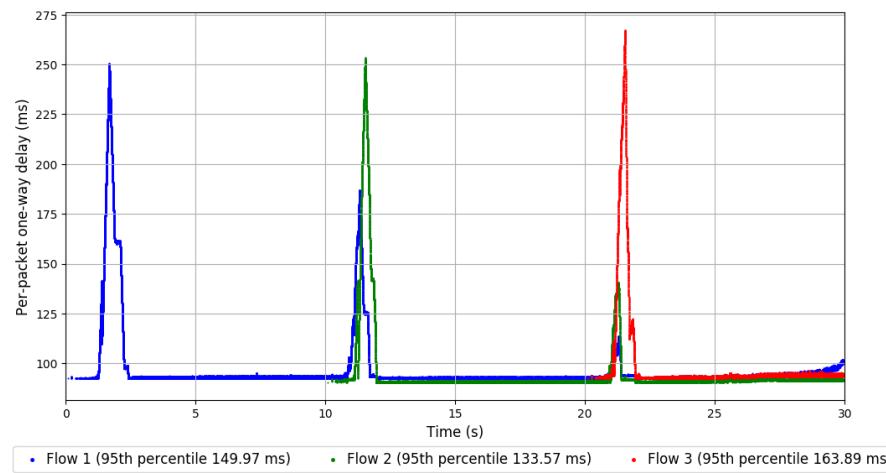
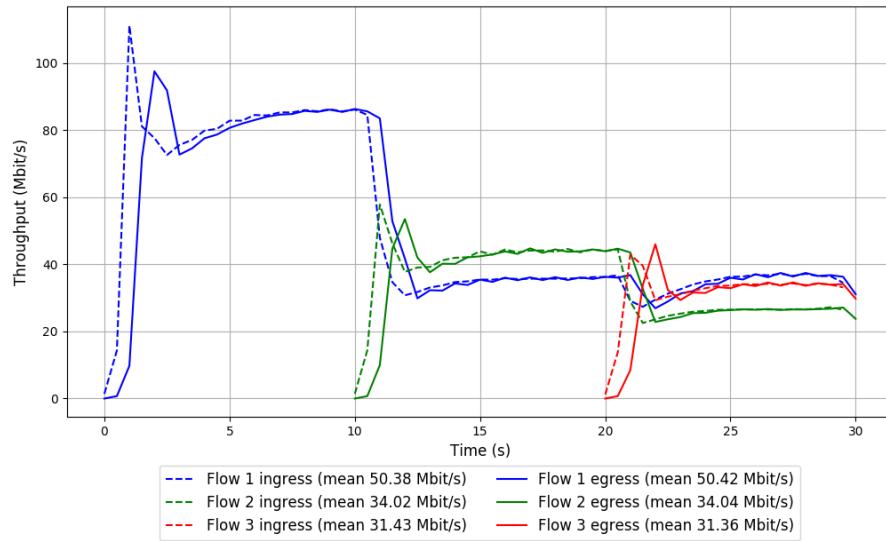


Run 5: Statistics of TCP Cubic

```
Start at: 2019-12-11 17:09:09
End at: 2019-12-11 17:09:39
Local clock offset: -5.689 ms
Remote clock offset: -8.994 ms

# Below is generated by plot.py at 2019-12-11 17:26:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.36 Mbit/s
95th percentile per-packet one-way delay: 141.988 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 50.42 Mbit/s
95th percentile per-packet one-way delay: 149.973 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 34.04 Mbit/s
95th percentile per-packet one-way delay: 133.571 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 31.36 Mbit/s
95th percentile per-packet one-way delay: 163.892 ms
Loss rate: 1.63%
```

Run 5: Report of TCP Cubic — Data Link

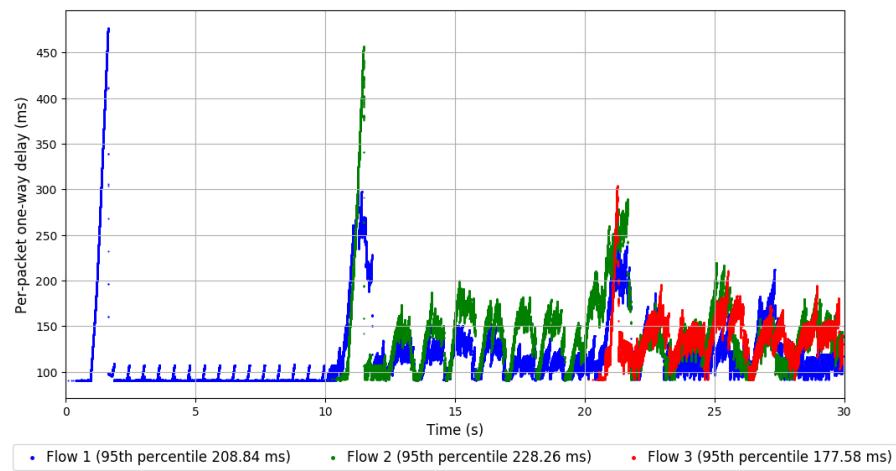
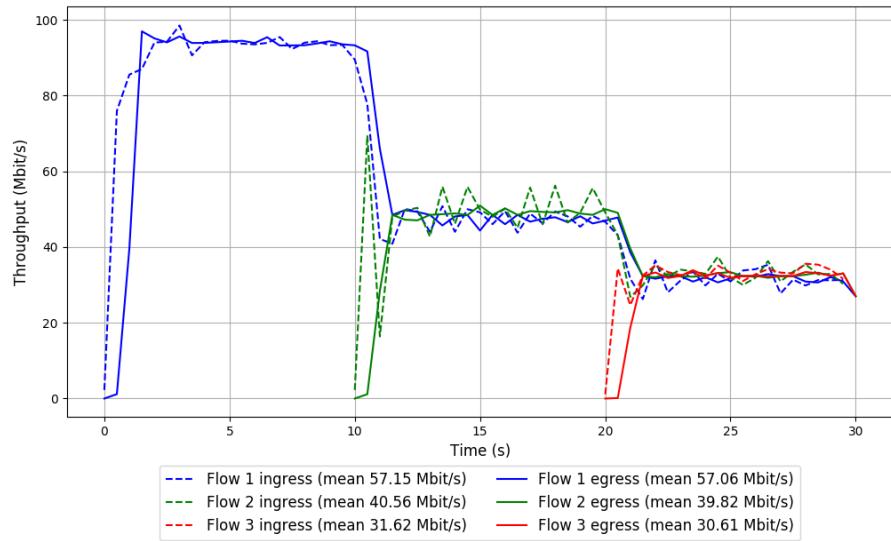


```
Run 1: Statistics of FillP

Start at: 2019-12-11 14:57:57
End at: 2019-12-11 14:58:27
Local clock offset: -6.312 ms
Remote clock offset: -9.454 ms

# Below is generated by plot.py at 2019-12-11 17:26:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.59 Mbit/s
95th percentile per-packet one-way delay: 208.725 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 57.06 Mbit/s
95th percentile per-packet one-way delay: 208.845 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 228.259 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 177.576 ms
Loss rate: 4.39%
```

Run 1: Report of FillP — Data Link

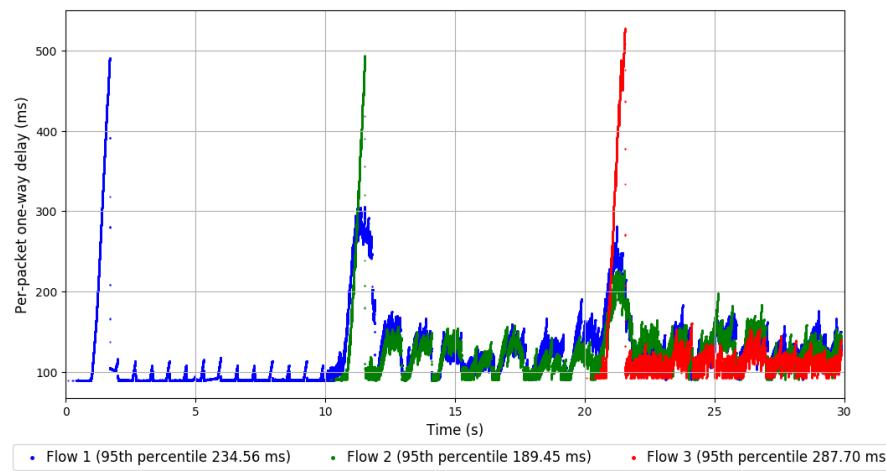
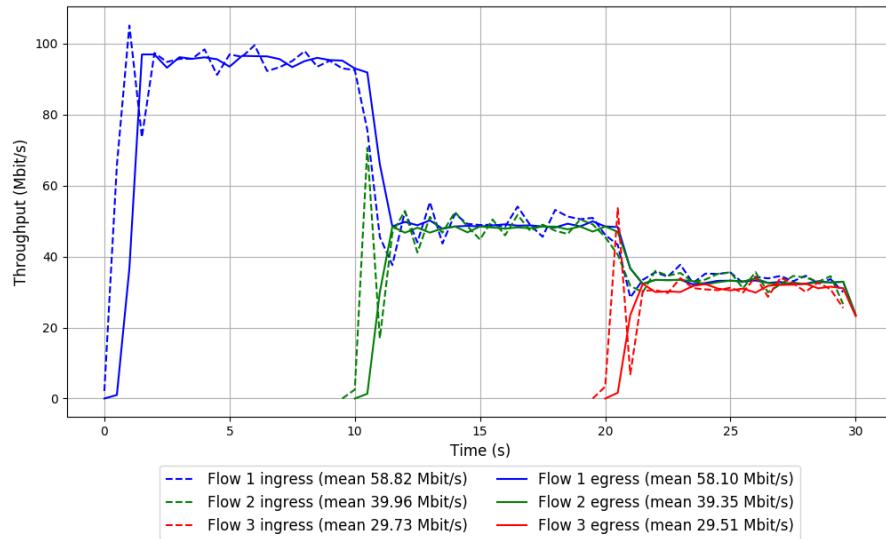


Run 2: Statistics of FillP

```
Start at: 2019-12-11 15:28:12
End at: 2019-12-11 15:28:42
Local clock offset: -6.449 ms
Remote clock offset: -8.918 ms

# Below is generated by plot.py at 2019-12-11 17:26:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 215.766 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 234.555 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 189.448 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 29.51 Mbit/s
95th percentile per-packet one-way delay: 287.698 ms
Loss rate: 1.93%
```

Run 2: Report of FillP — Data Link

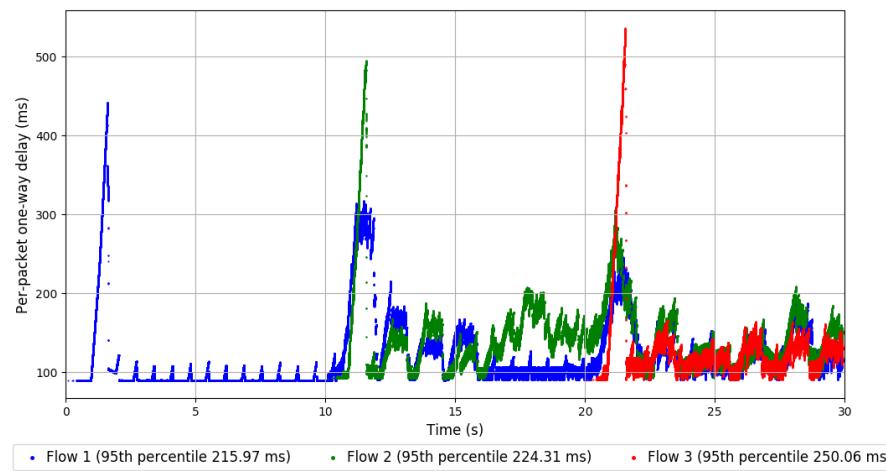
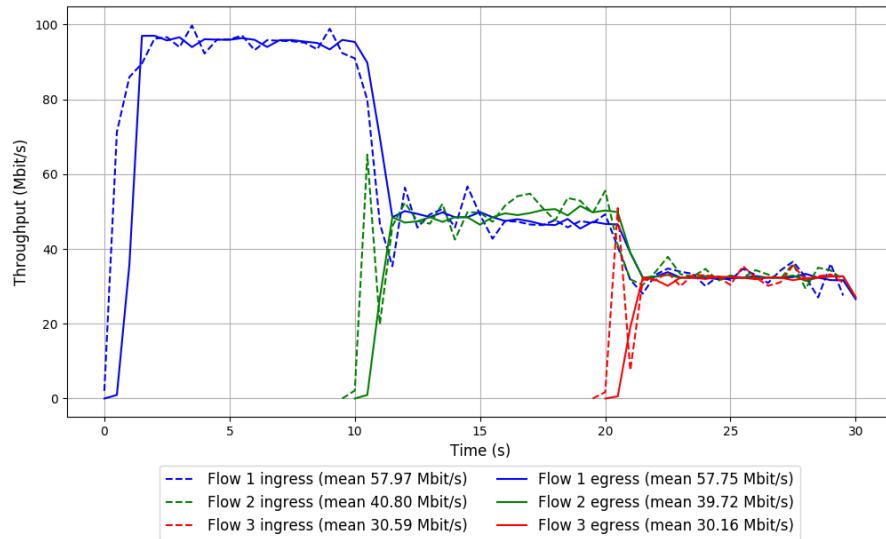


Run 3: Statistics of FillP

```
Start at: 2019-12-11 15:58:29
End at: 2019-12-11 15:58:59
Local clock offset: -7.56 ms
Remote clock offset: -8.878 ms

# Below is generated by plot.py at 2019-12-11 17:26:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 219.316 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 215.969 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 224.310 ms
Loss rate: 3.33%
-- Flow 3:
Average throughput: 30.16 Mbit/s
95th percentile per-packet one-way delay: 250.061 ms
Loss rate: 2.70%
```

Run 3: Report of FillP — Data Link

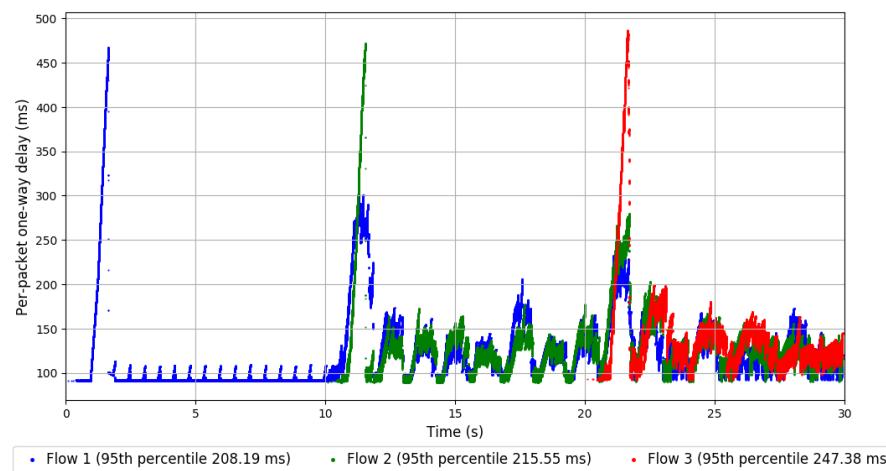
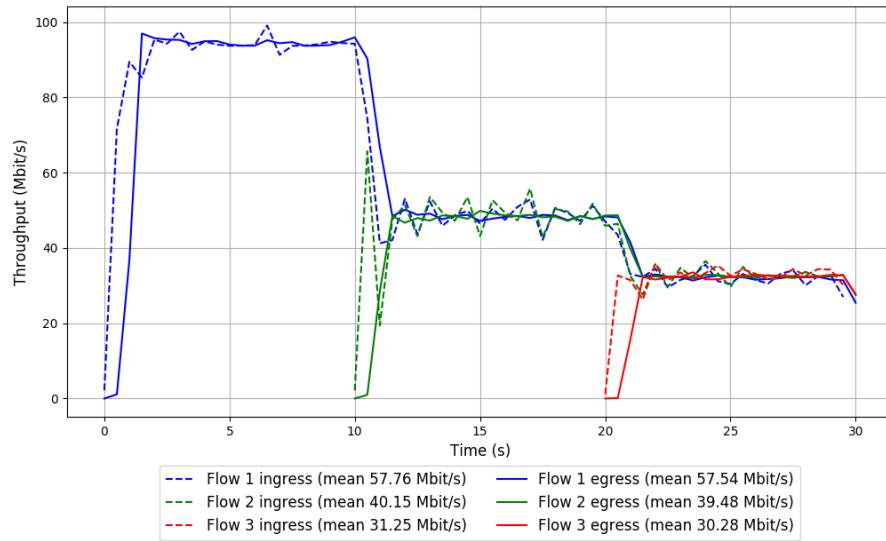


Run 4: Statistics of FillP

```
Start at: 2019-12-11 16:28:48
End at: 2019-12-11 16:29:18
Local clock offset: -6.65 ms
Remote clock offset: -9.22 ms

# Below is generated by plot.py at 2019-12-11 17:26:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 210.553 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 57.54 Mbit/s
95th percentile per-packet one-way delay: 208.189 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 39.48 Mbit/s
95th percentile per-packet one-way delay: 215.546 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 247.380 ms
Loss rate: 4.45%
```

Run 4: Report of FillP — Data Link

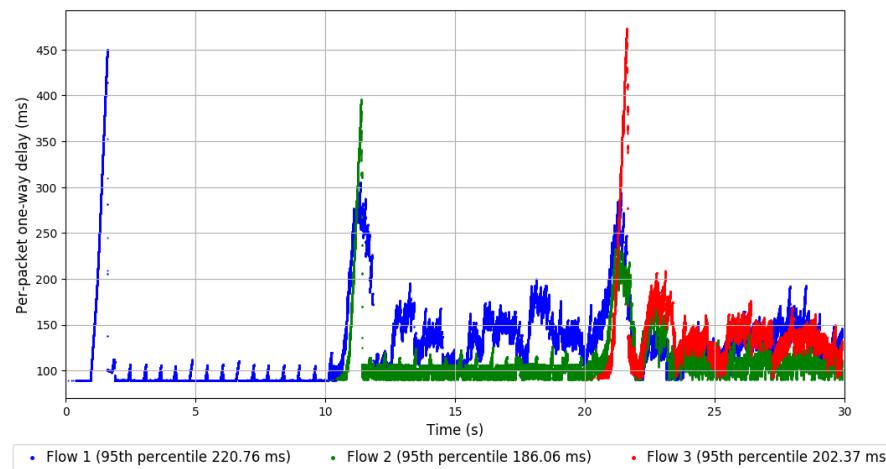
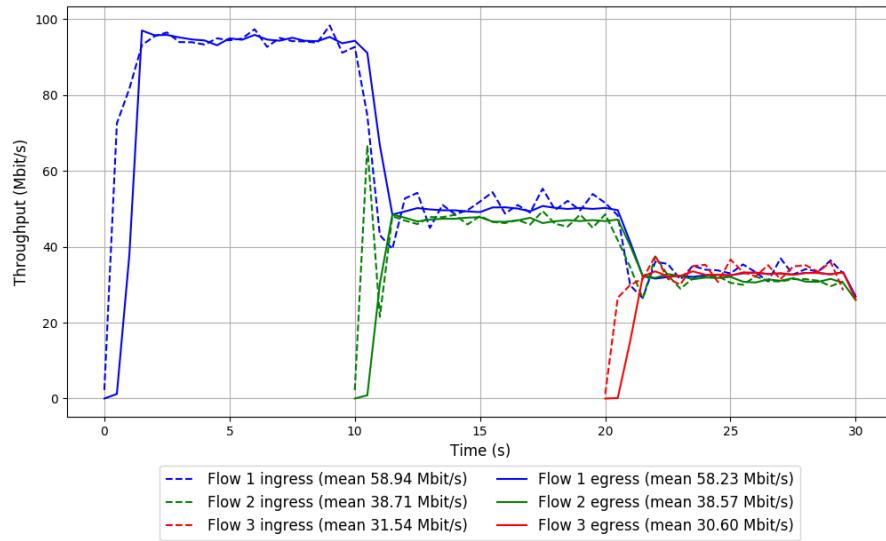


Run 5: Statistics of FillP

```
Start at: 2019-12-11 16:59:03
End at: 2019-12-11 16:59:33
Local clock offset: -6.296 ms
Remote clock offset: -8.969 ms

# Below is generated by plot.py at 2019-12-11 17:26:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 202.868 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: 220.762 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 38.57 Mbit/s
95th percentile per-packet one-way delay: 186.058 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 30.60 Mbit/s
95th percentile per-packet one-way delay: 202.369 ms
Loss rate: 4.15%
```

Run 5: Report of FillP — Data Link

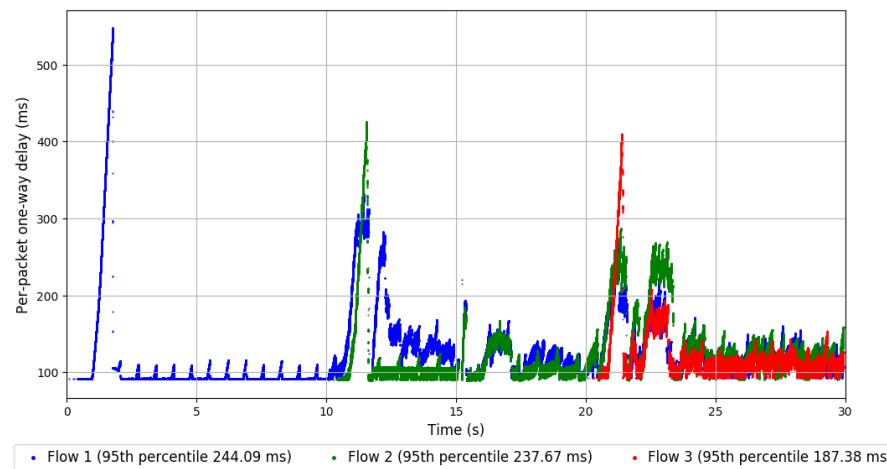
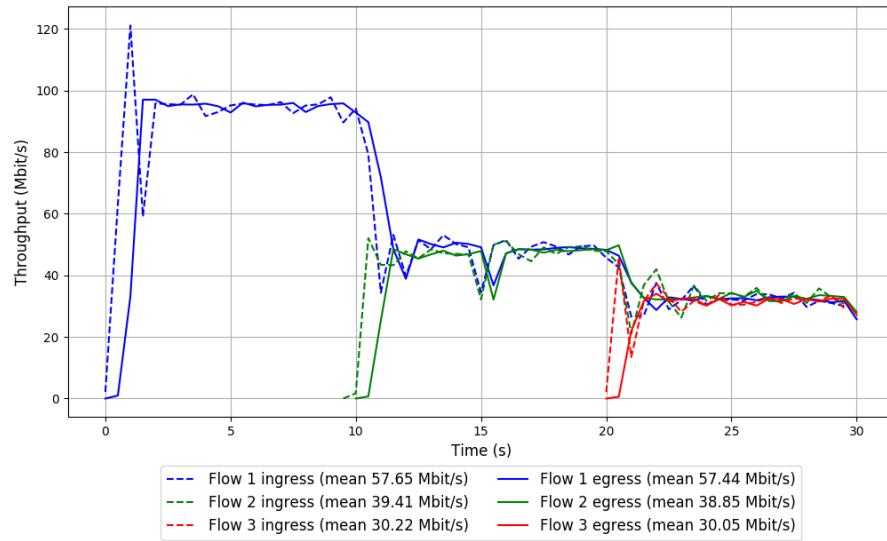


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-12-11 14:56:41
End at: 2019-12-11 14:57:11
Local clock offset: -6.79 ms
Remote clock offset: -8.879 ms

# Below is generated by plot.py at 2019-12-11 17:26:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 237.226 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 57.44 Mbit/s
95th percentile per-packet one-way delay: 244.086 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 38.85 Mbit/s
95th percentile per-packet one-way delay: 237.666 ms
Loss rate: 2.04%
-- Flow 3:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 187.381 ms
Loss rate: 1.99%
```

Run 1: Report of FillP-Sheep — Data Link

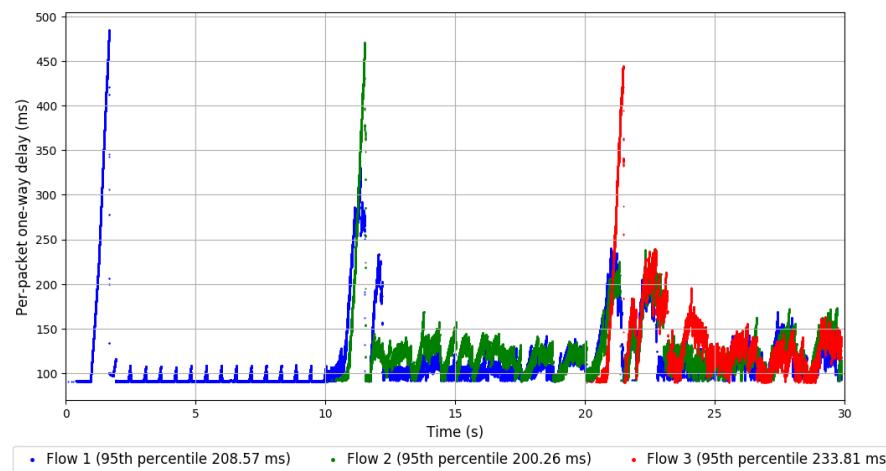
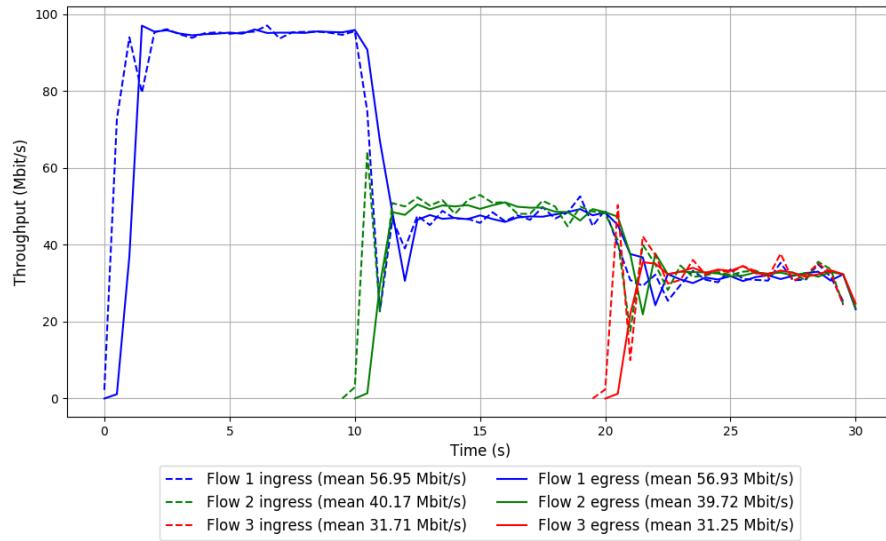


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-12-11 15:26:56
End at: 2019-12-11 15:27:26
Local clock offset: -7.113 ms
Remote clock offset: -8.809 ms

# Below is generated by plot.py at 2019-12-11 17:27:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.63 Mbit/s
95th percentile per-packet one-way delay: 208.673 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: 208.567 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 200.264 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 233.805 ms
Loss rate: 2.69%
```

Run 2: Report of FillP-Sheep — Data Link

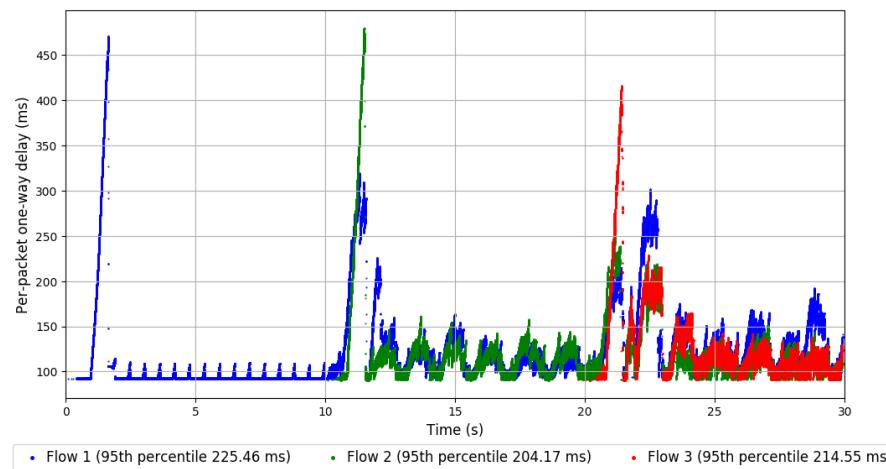
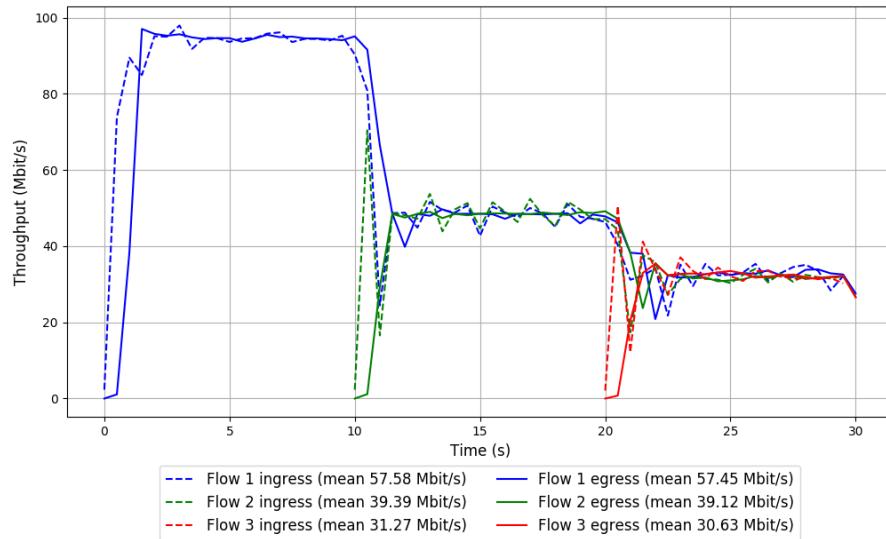


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-12-11 15:57:14
End at: 2019-12-11 15:57:44
Local clock offset: -7.519 ms
Remote clock offset: -9.627 ms

# Below is generated by plot.py at 2019-12-11 17:27:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 215.215 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 57.45 Mbit/s
95th percentile per-packet one-way delay: 225.457 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 204.168 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 214.551 ms
Loss rate: 3.25%
```

Run 3: Report of FillP-Sheep — Data Link

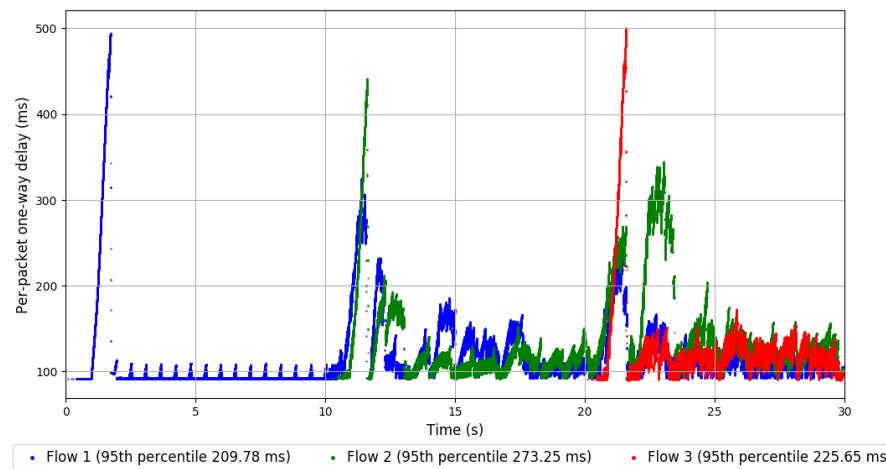
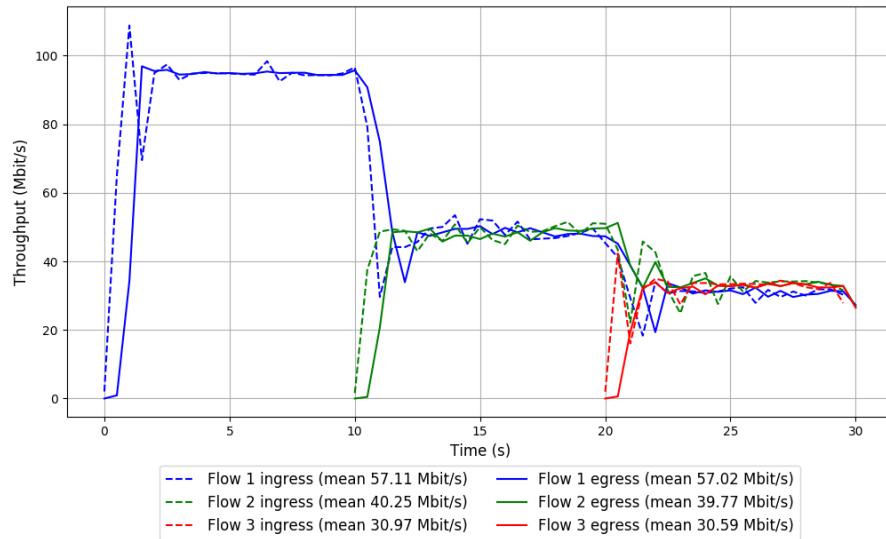


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-12-11 16:27:32
End at: 2019-12-11 16:28:02
Local clock offset: -6.747 ms
Remote clock offset: -9.239 ms

# Below is generated by plot.py at 2019-12-11 17:27:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 236.104 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 57.02 Mbit/s
95th percentile per-packet one-way delay: 209.777 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 273.249 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 225.648 ms
Loss rate: 2.61%
```

Run 4: Report of FillP-Sheep — Data Link

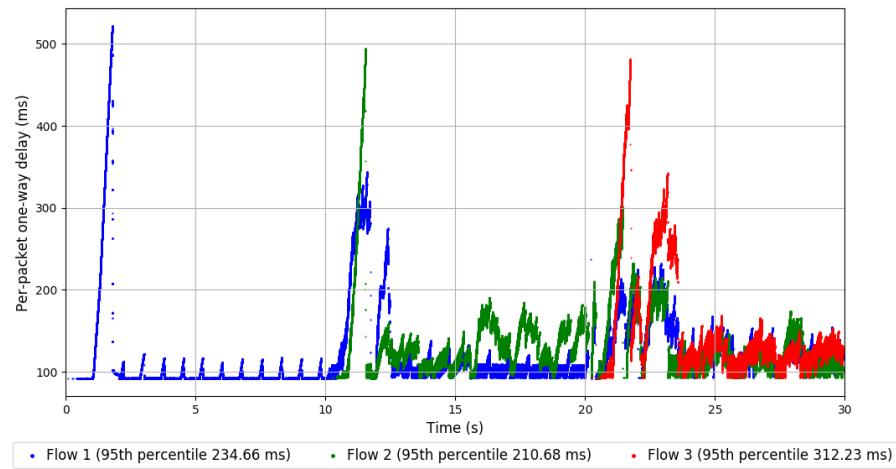
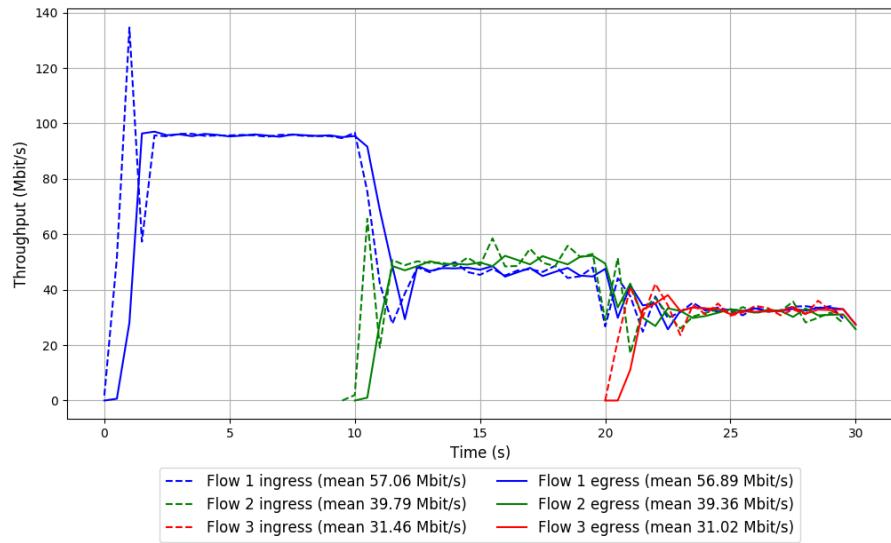


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-12-11 16:57:48
End at: 2019-12-11 16:58:18
Local clock offset: -5.613 ms
Remote clock offset: -9.048 ms

# Below is generated by plot.py at 2019-12-11 17:28:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 253.962 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 234.656 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 210.683 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 312.229 ms
Loss rate: 2.80%
```

Run 5: Report of FillP-Sheep — Data Link

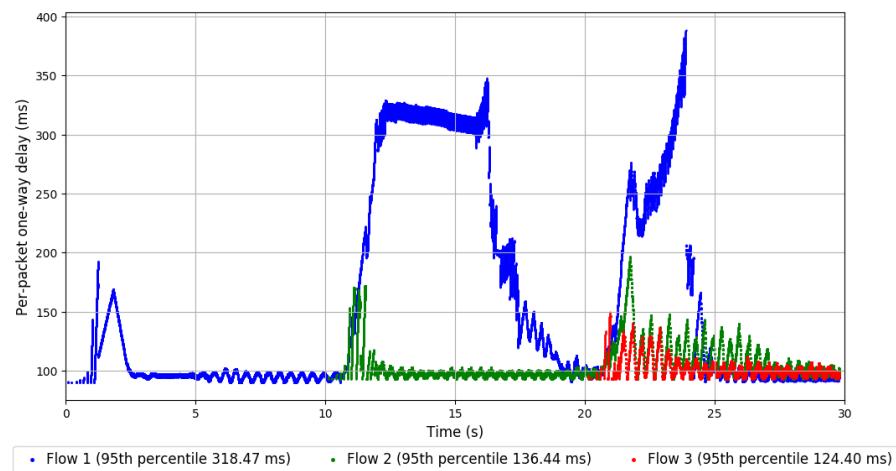
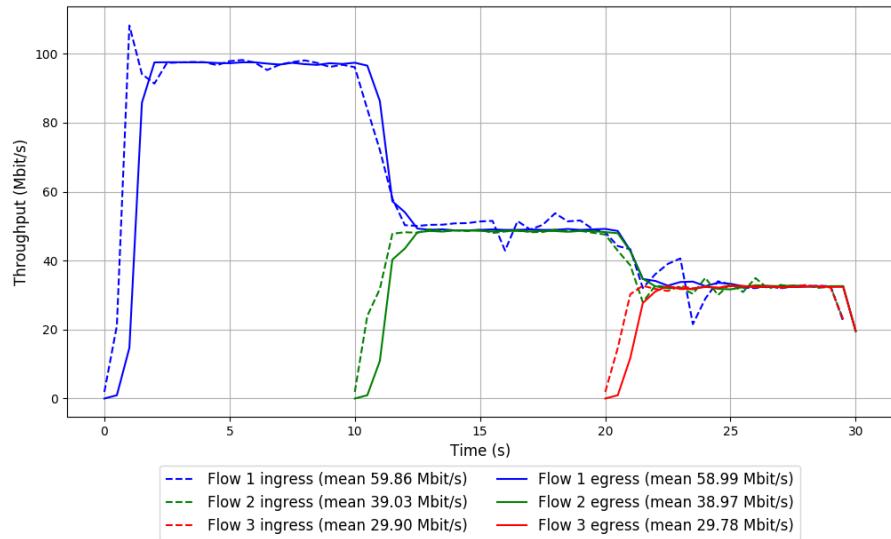


Run 1: Statistics of Indigo

```
Start at: 2019-12-11 14:55:23
End at: 2019-12-11 14:55:53
Local clock offset: -5.864 ms
Remote clock offset: -8.801 ms

# Below is generated by plot.py at 2019-12-11 17:28:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.52 Mbit/s
95th percentile per-packet one-way delay: 314.297 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 58.99 Mbit/s
95th percentile per-packet one-way delay: 318.467 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 136.441 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 29.78 Mbit/s
95th percentile per-packet one-way delay: 124.396 ms
Loss rate: 1.82%
```

Run 1: Report of Indigo — Data Link

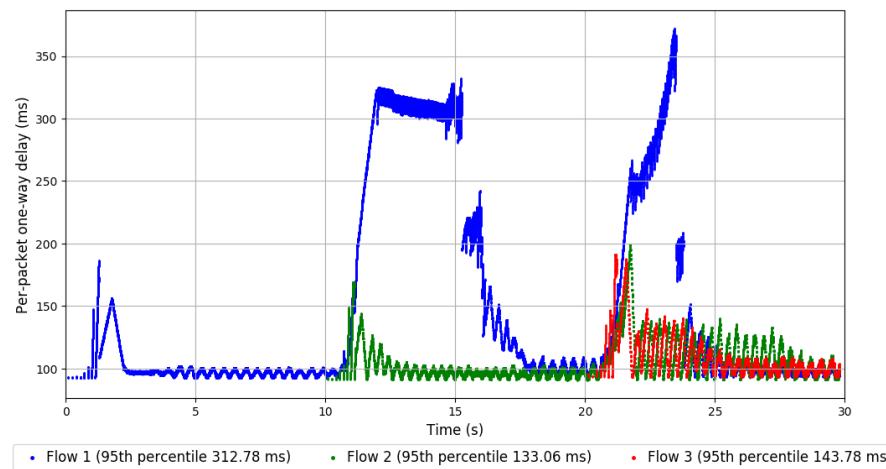
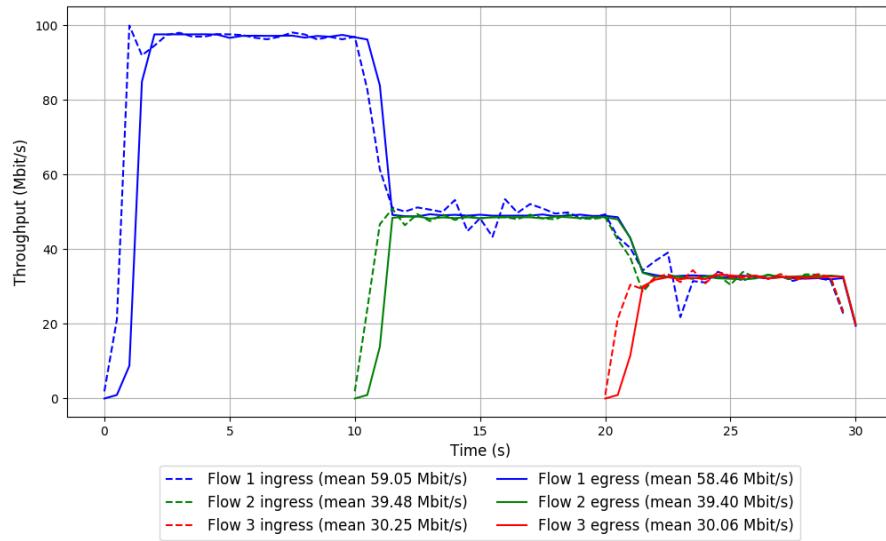


Run 2: Statistics of Indigo

```
Start at: 2019-12-11 15:25:39
End at: 2019-12-11 15:26:09
Local clock offset: -6.455 ms
Remote clock offset: -9.521 ms

# Below is generated by plot.py at 2019-12-11 17:28:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 306.771 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 58.46 Mbit/s
95th percentile per-packet one-way delay: 312.781 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 133.061 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 30.06 Mbit/s
95th percentile per-packet one-way delay: 143.780 ms
Loss rate: 2.07%
```

Run 2: Report of Indigo — Data Link

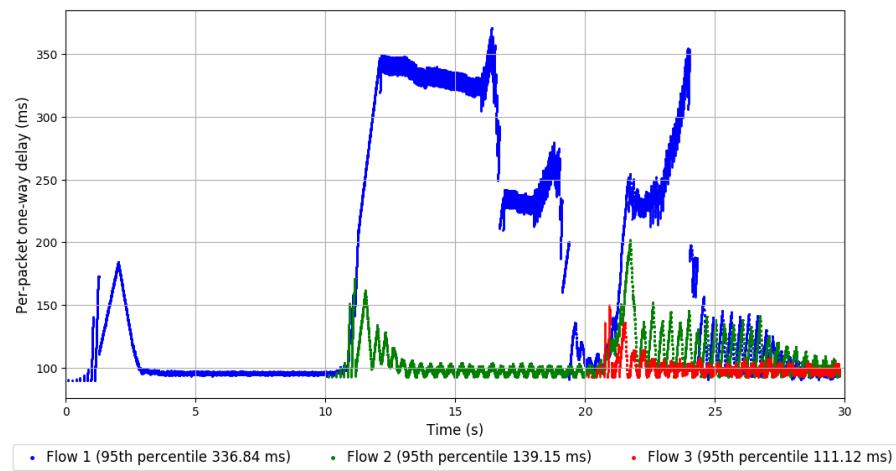
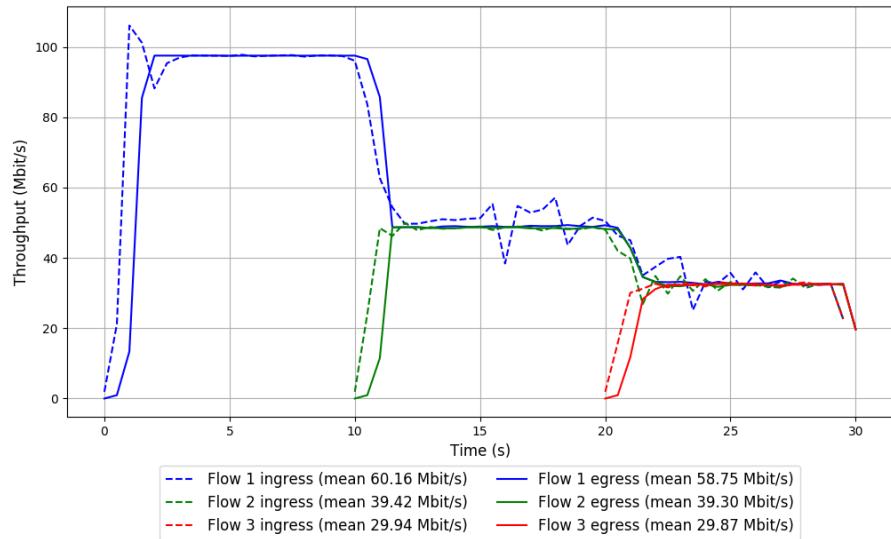


Run 3: Statistics of Indigo

```
Start at: 2019-12-11 15:55:56
End at: 2019-12-11 15:56:26
Local clock offset: -8.163 ms
Remote clock offset: -9.577 ms

# Below is generated by plot.py at 2019-12-11 17:28:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 331.728 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 58.75 Mbit/s
95th percentile per-packet one-way delay: 336.841 ms
Loss rate: 2.79%
-- Flow 2:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 139.145 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 111.118 ms
Loss rate: 1.68%
```

Run 3: Report of Indigo — Data Link

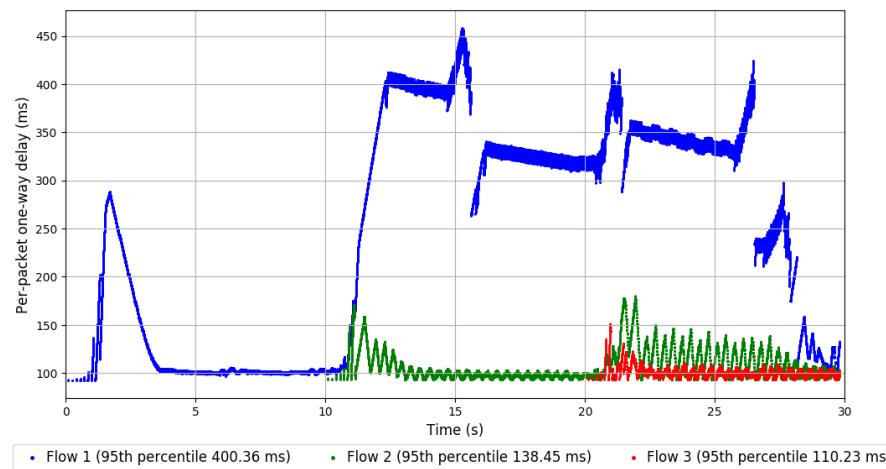
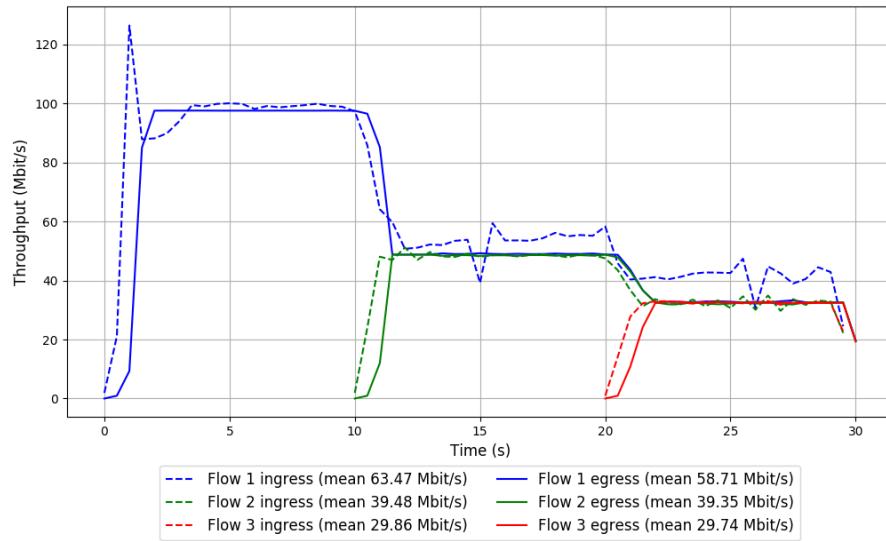


Run 4: Statistics of Indigo

```
Start at: 2019-12-11 16:26:14
End at: 2019-12-11 16:26:44
Local clock offset: -6.018 ms
Remote clock offset: -9.137 ms

# Below is generated by plot.py at 2019-12-11 17:28:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 393.365 ms
Loss rate: 5.51%
-- Flow 1:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 400.363 ms
Loss rate: 7.94%
-- Flow 2:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 138.447 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 29.74 Mbit/s
95th percentile per-packet one-way delay: 110.230 ms
Loss rate: 1.83%
```

Run 4: Report of Indigo — Data Link

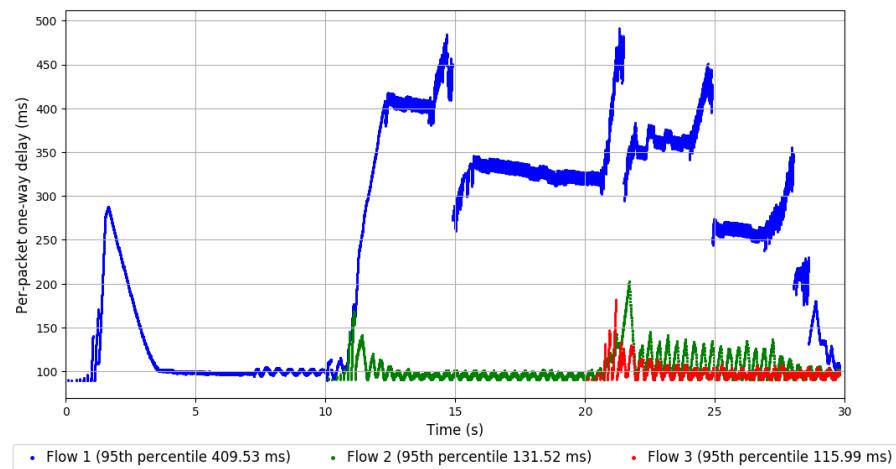
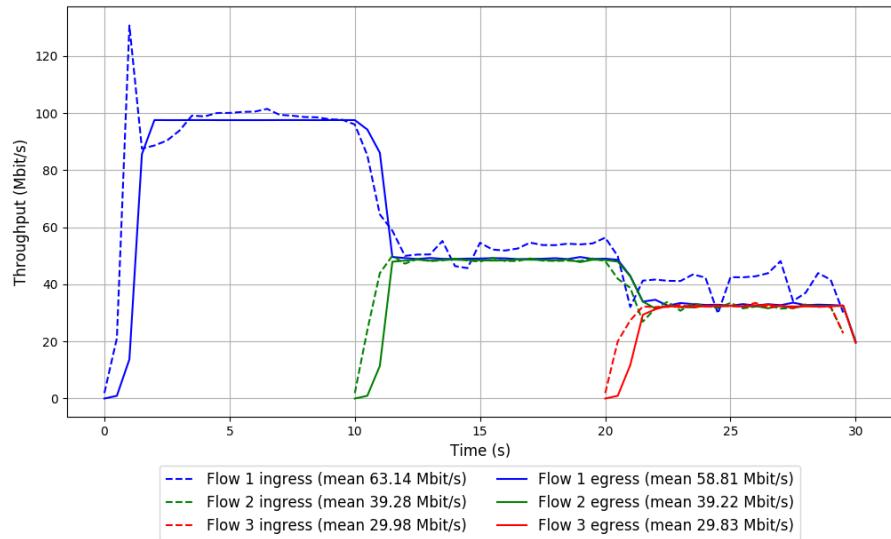


Run 5: Statistics of Indigo

```
Start at: 2019-12-11 16:56:30
End at: 2019-12-11 16:57:00
Local clock offset: -6.296 ms
Remote clock offset: -9.165 ms

# Below is generated by plot.py at 2019-12-11 17:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.52 Mbit/s
95th percentile per-packet one-way delay: 400.220 ms
Loss rate: 5.06%
-- Flow 1:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 409.528 ms
Loss rate: 7.29%
-- Flow 2:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 131.518 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 115.994 ms
Loss rate: 1.89%
```

Run 5: Report of Indigo — Data Link

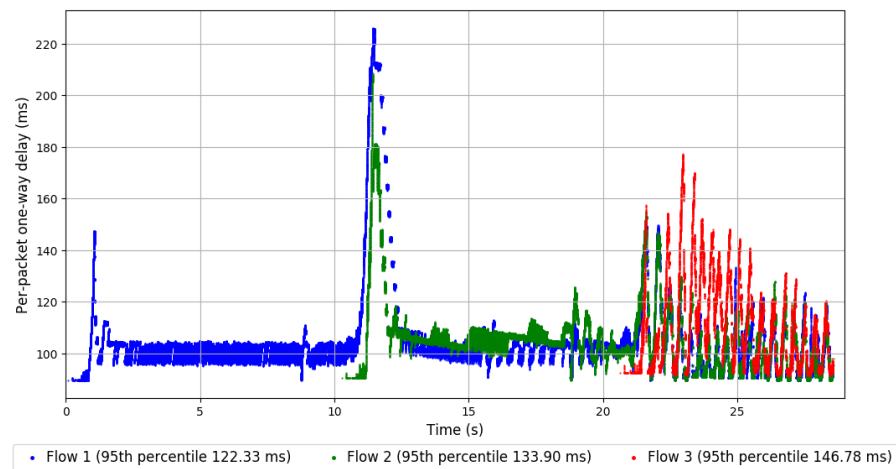
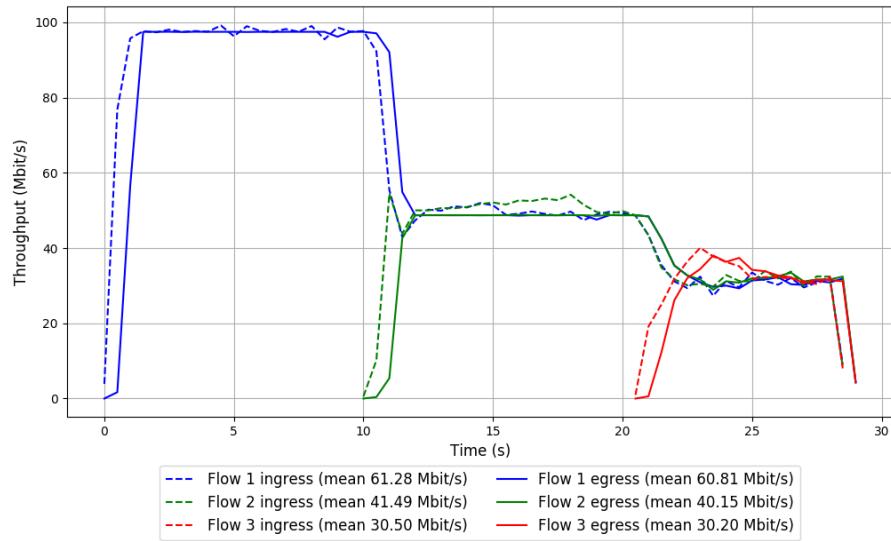


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 15:16:51
End at: 2019-12-11 15:17:21
Local clock offset: -7.236 ms
Remote clock offset: -8.993 ms

# Below is generated by plot.py at 2019-12-11 17:28:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 135.113 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 60.81 Mbit/s
95th percentile per-packet one-way delay: 122.328 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 133.895 ms
Loss rate: 3.95%
-- Flow 3:
Average throughput: 30.20 Mbit/s
95th percentile per-packet one-way delay: 146.780 ms
Loss rate: 2.69%
```

Run 1: Report of Indigo-MusesC3 — Data Link

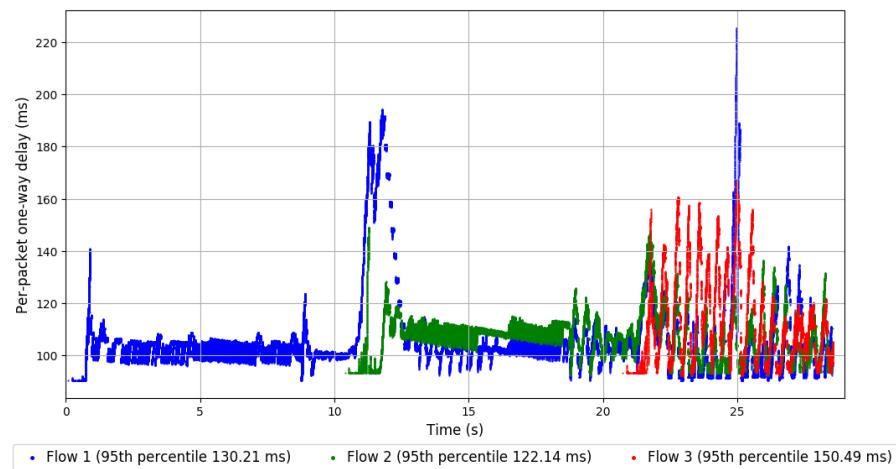
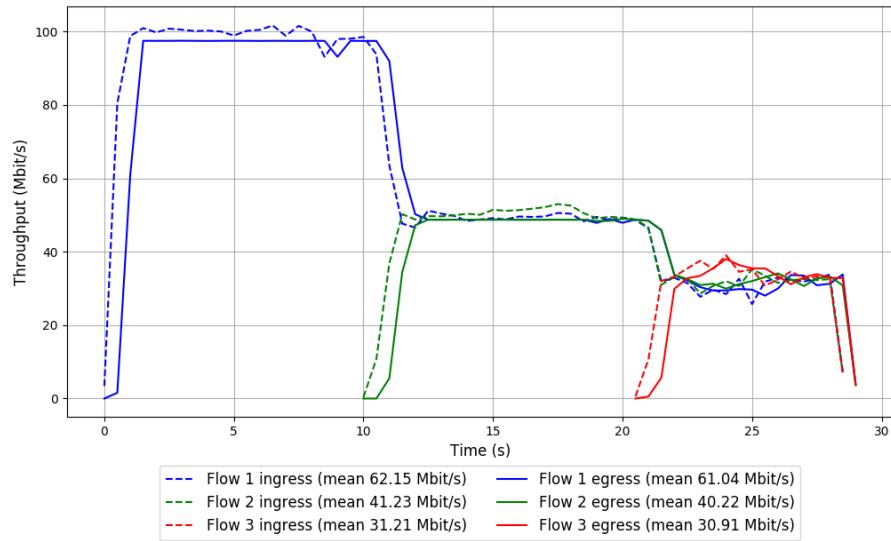


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 15:47:07
End at: 2019-12-11 15:47:37
Local clock offset: -7.038 ms
Remote clock offset: -9.778 ms

# Below is generated by plot.py at 2019-12-11 17:28:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 133.435 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 61.04 Mbit/s
95th percentile per-packet one-way delay: 130.207 ms
Loss rate: 2.26%
-- Flow 2:
Average throughput: 40.22 Mbit/s
95th percentile per-packet one-way delay: 122.141 ms
Loss rate: 3.14%
-- Flow 3:
Average throughput: 30.91 Mbit/s
95th percentile per-packet one-way delay: 150.488 ms
Loss rate: 2.68%
```

Run 2: Report of Indigo-MusesC3 — Data Link

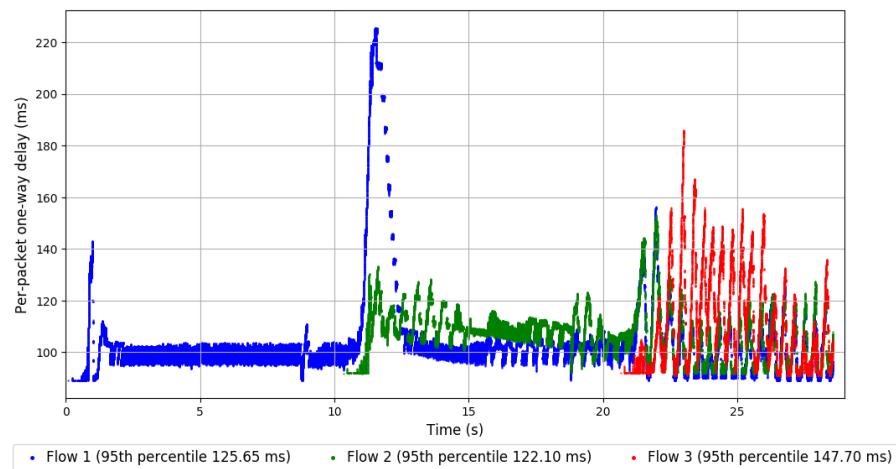
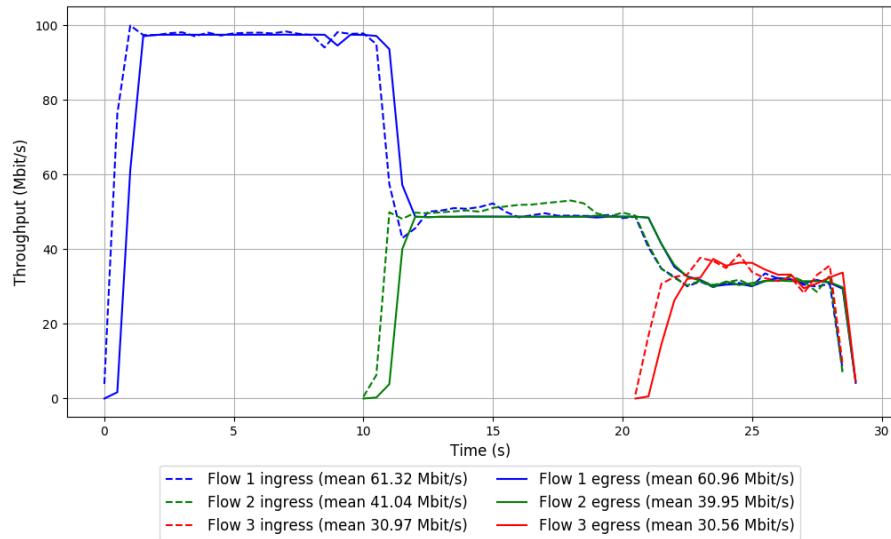


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 16:17:25
End at: 2019-12-11 16:17:55
Local clock offset: -7.249 ms
Remote clock offset: -8.804 ms

# Below is generated by plot.py at 2019-12-11 17:28:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 131.360 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 60.96 Mbit/s
95th percentile per-packet one-way delay: 125.646 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 39.95 Mbit/s
95th percentile per-packet one-way delay: 122.100 ms
Loss rate: 3.37%
-- Flow 3:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 147.696 ms
Loss rate: 2.99%
```

Run 3: Report of Indigo-MusesC3 — Data Link

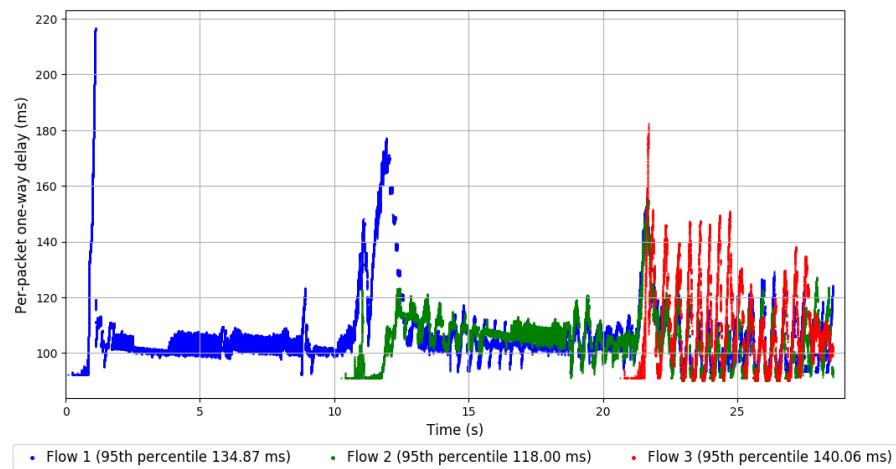
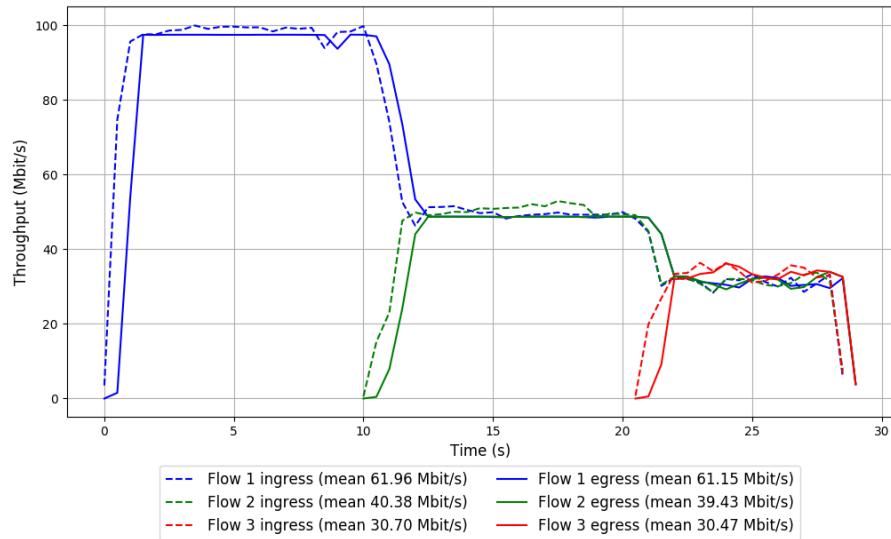


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 16:47:41
End at: 2019-12-11 16:48:11
Local clock offset: -5.675 ms
Remote clock offset: -9.272 ms

# Below is generated by plot.py at 2019-12-11 17:28:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 130.645 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 61.15 Mbit/s
95th percentile per-packet one-way delay: 134.873 ms
Loss rate: 1.80%
-- Flow 2:
Average throughput: 39.43 Mbit/s
95th percentile per-packet one-way delay: 117.997 ms
Loss rate: 3.06%
-- Flow 3:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 140.059 ms
Loss rate: 2.45%
```

Run 4: Report of Indigo-MusesC3 — Data Link

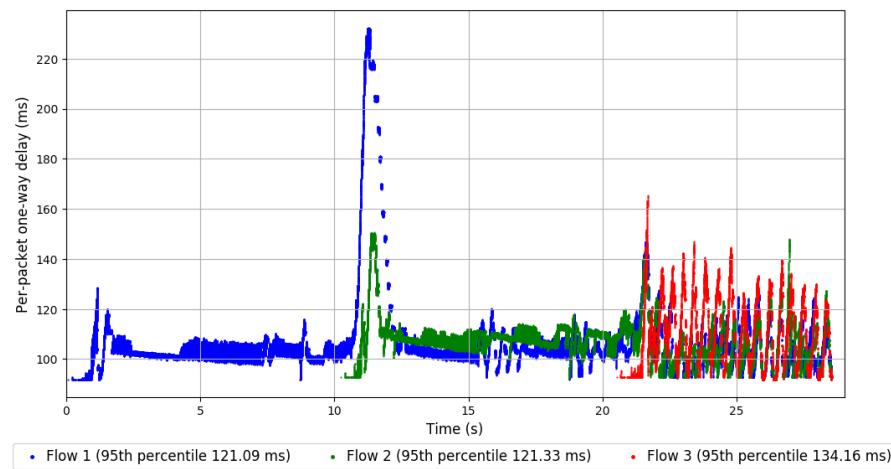
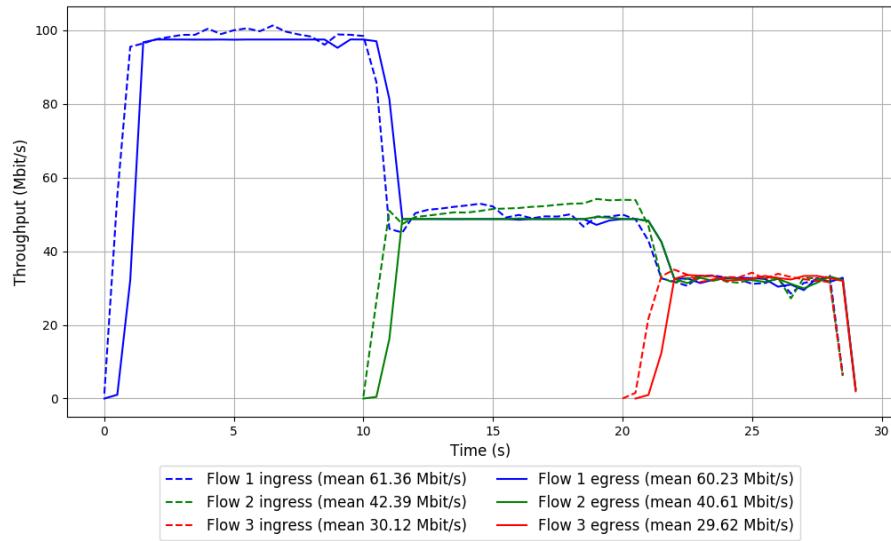


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 17:18:02
End at: 2019-12-11 17:18:32
Local clock offset: -6.945 ms
Remote clock offset: -8.889 ms

# Below is generated by plot.py at 2019-12-11 17:28:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.66 Mbit/s
95th percentile per-packet one-way delay: 126.289 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 60.23 Mbit/s
95th percentile per-packet one-way delay: 121.093 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 40.61 Mbit/s
95th percentile per-packet one-way delay: 121.333 ms
Loss rate: 4.92%
-- Flow 3:
Average throughput: 29.62 Mbit/s
95th percentile per-packet one-way delay: 134.155 ms
Loss rate: 3.36%
```

Run 5: Report of Indigo-MusesC3 — Data Link

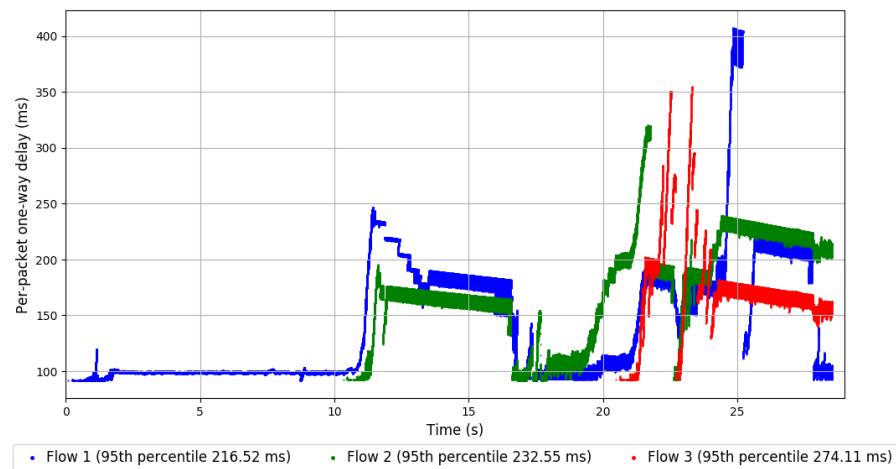
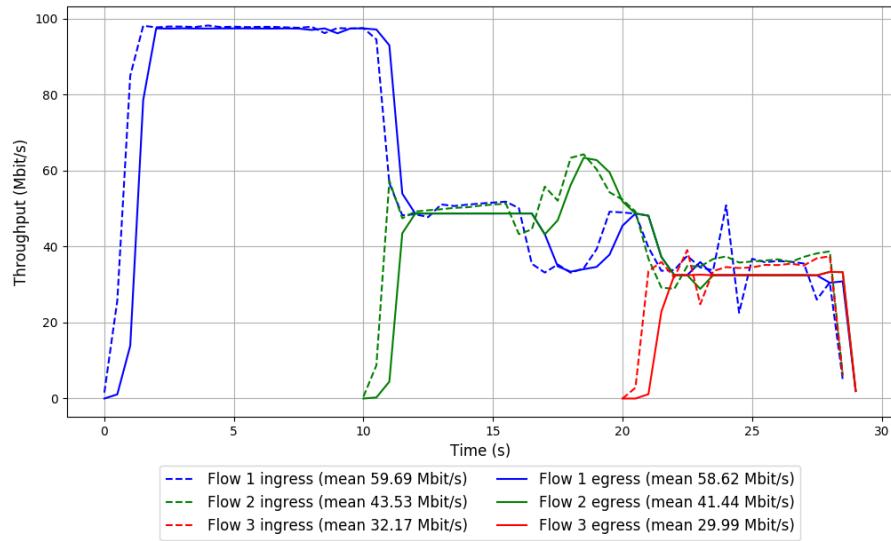


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 15:00:30
End at: 2019-12-11 15:01:00
Local clock offset: -7.457 ms
Remote clock offset: -8.839 ms

# Below is generated by plot.py at 2019-12-11 17:28:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 228.589 ms
Loss rate: 3.77%
-- Flow 1:
Average throughput: 58.62 Mbit/s
95th percentile per-packet one-way delay: 216.518 ms
Loss rate: 2.26%
-- Flow 2:
Average throughput: 41.44 Mbit/s
95th percentile per-packet one-way delay: 232.550 ms
Loss rate: 5.50%
-- Flow 3:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 274.111 ms
Loss rate: 8.35%
```

Run 1: Report of Indigo-MusesC5 — Data Link

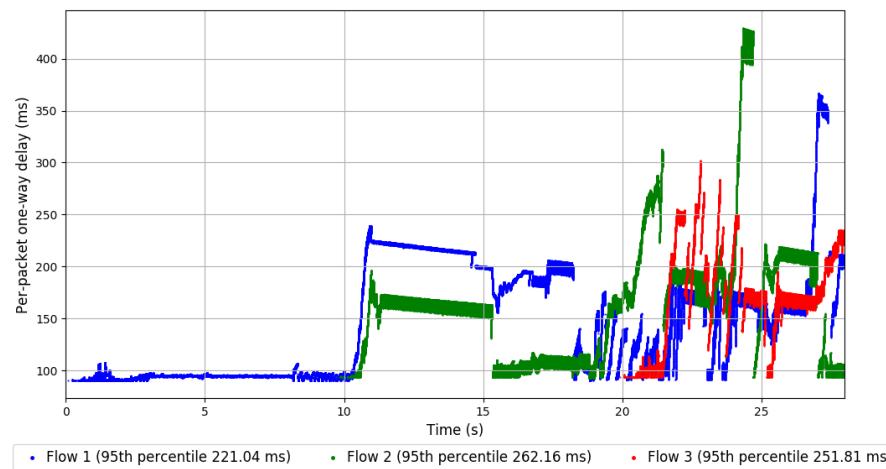
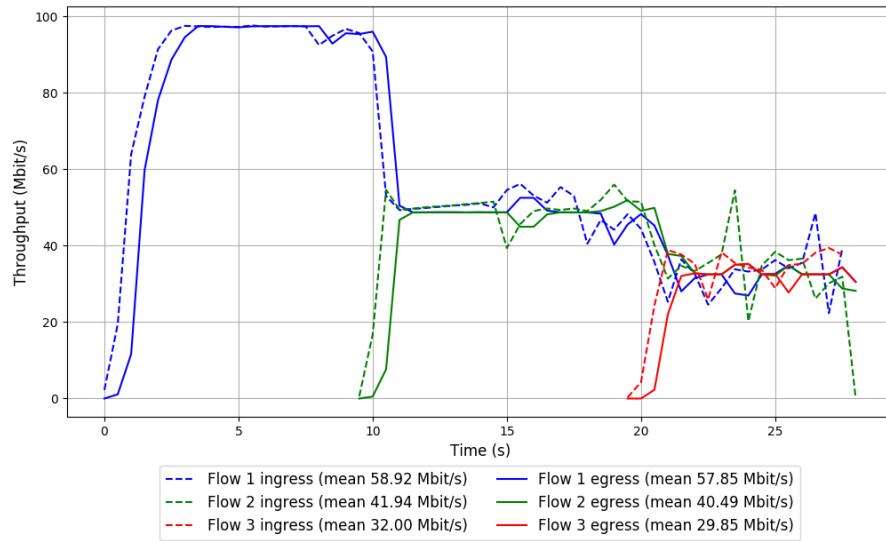


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 15:30:45
End at: 2019-12-11 15:31:15
Local clock offset: -6.507 ms
Remote clock offset: -9.634 ms

# Below is generated by plot.py at 2019-12-11 17:29:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 223.517 ms
Loss rate: 3.40%
-- Flow 1:
Average throughput: 57.85 Mbit/s
95th percentile per-packet one-way delay: 221.040 ms
Loss rate: 2.26%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 262.163 ms
Loss rate: 4.18%
-- Flow 3:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 251.812 ms
Loss rate: 8.26%
```

Run 2: Report of Indigo-MusesC5 — Data Link

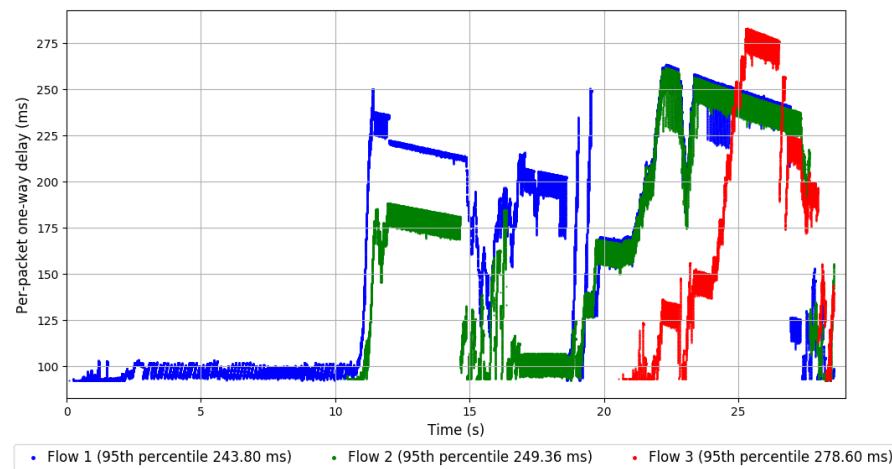
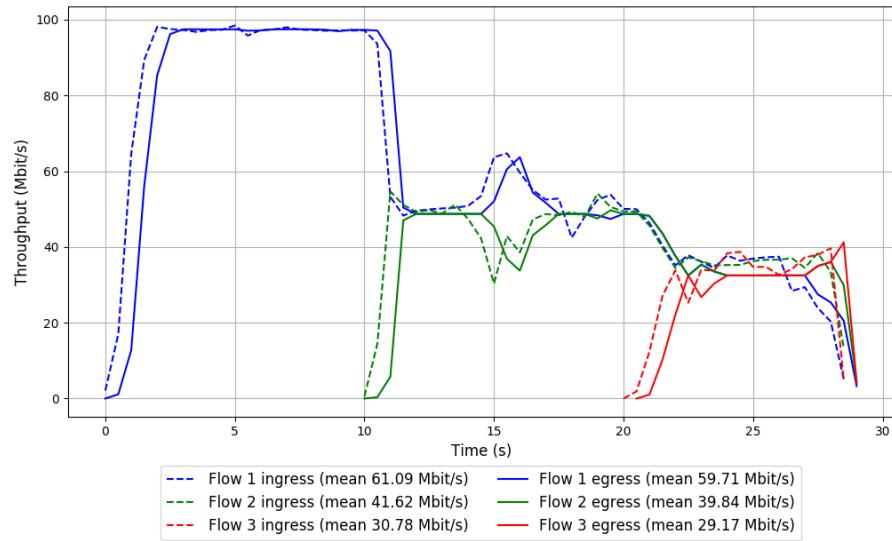


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 16:01:02
End at: 2019-12-11 16:01:32
Local clock offset: -7.62 ms
Remote clock offset: -9.506 ms

# Below is generated by plot.py at 2019-12-11 17:29:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.46 Mbit/s
95th percentile per-packet one-way delay: 249.729 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 59.71 Mbit/s
95th percentile per-packet one-way delay: 243.804 ms
Loss rate: 2.73%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 249.359 ms
Loss rate: 5.02%
-- Flow 3:
Average throughput: 29.17 Mbit/s
95th percentile per-packet one-way delay: 278.598 ms
Loss rate: 6.87%
```

Run 3: Report of Indigo-MusesC5 — Data Link

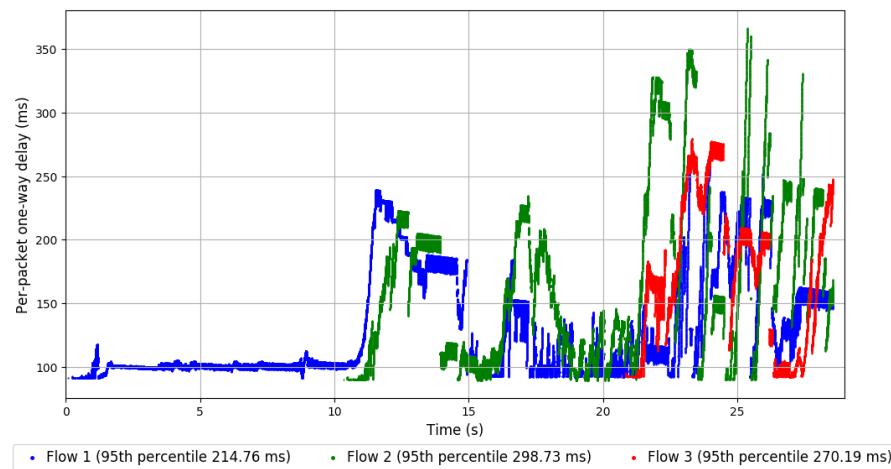
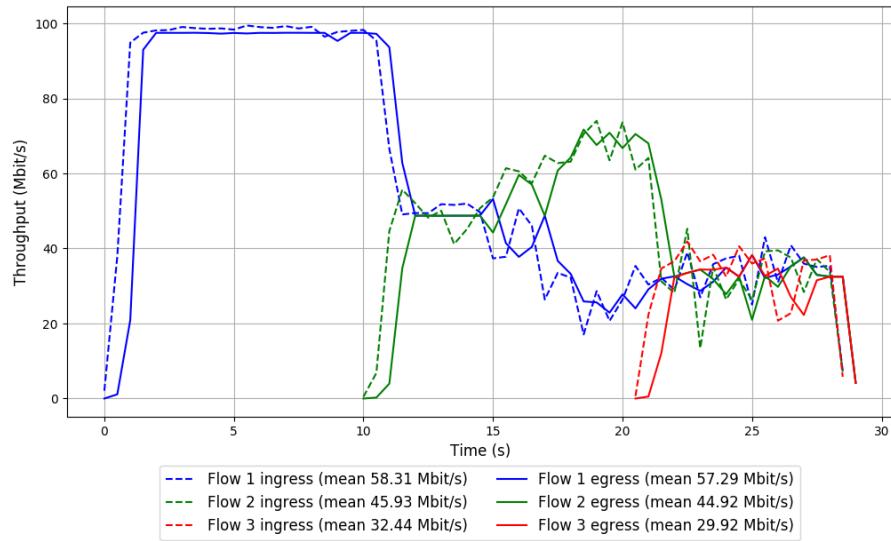


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 16:31:20
End at: 2019-12-11 16:31:50
Local clock offset: -6.627 ms
Remote clock offset: -9.177 ms

# Below is generated by plot.py at 2019-12-11 17:29:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: 237.619 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 57.29 Mbit/s
95th percentile per-packet one-way delay: 214.758 ms
Loss rate: 2.20%
-- Flow 2:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 298.733 ms
Loss rate: 2.88%
-- Flow 3:
Average throughput: 29.92 Mbit/s
95th percentile per-packet one-way delay: 270.190 ms
Loss rate: 9.39%
```

Run 4: Report of Indigo-MusesC5 — Data Link

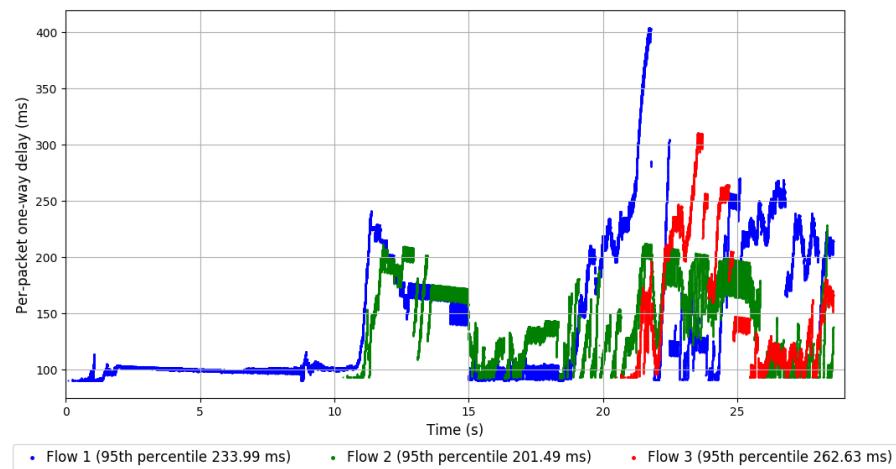
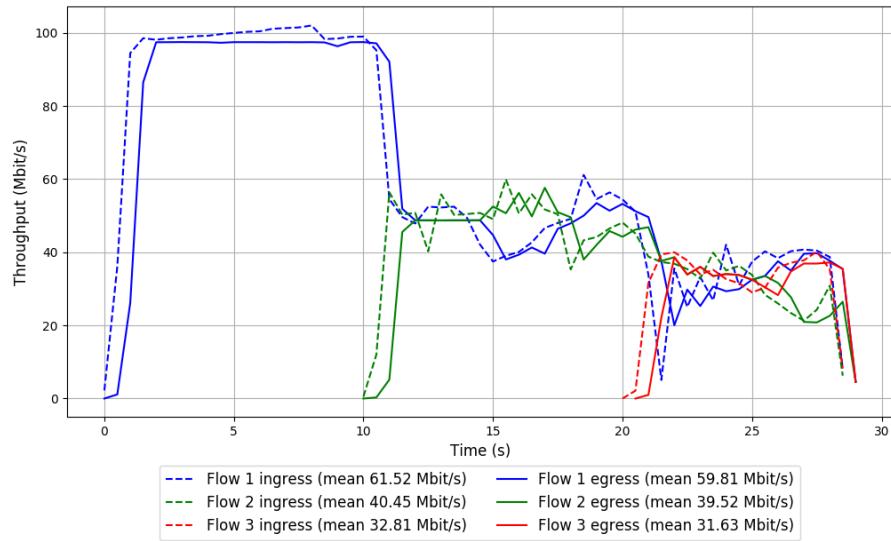


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 17:01:36
End at: 2019-12-11 17:02:06
Local clock offset: -6.379 ms
Remote clock offset: -9.631 ms

# Below is generated by plot.py at 2019-12-11 17:29:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 232.143 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 59.81 Mbit/s
95th percentile per-packet one-way delay: 233.993 ms
Loss rate: 3.20%
-- Flow 2:
Average throughput: 39.52 Mbit/s
95th percentile per-packet one-way delay: 201.491 ms
Loss rate: 2.83%
-- Flow 3:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 262.627 ms
Loss rate: 5.20%
```

Run 5: Report of Indigo-MusesC5 — Data Link

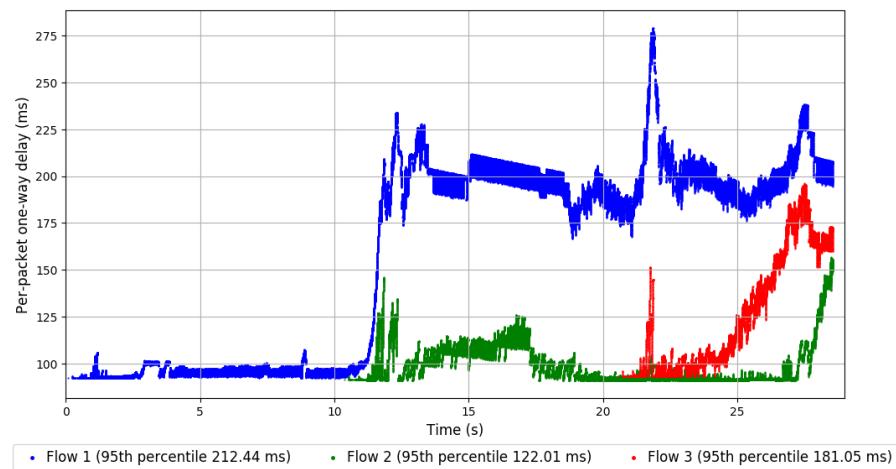
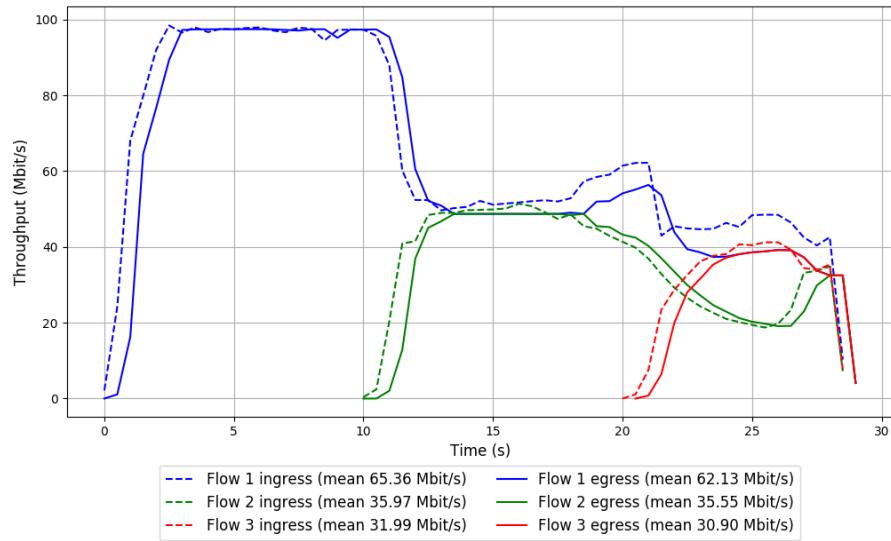


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 15:05:32
End at: 2019-12-11 15:06:02
Local clock offset: -8.097 ms
Remote clock offset: -9.261 ms

# Below is generated by plot.py at 2019-12-11 17:29:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 209.153 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 62.13 Mbit/s
95th percentile per-packet one-way delay: 212.440 ms
Loss rate: 5.40%
-- Flow 2:
Average throughput: 35.55 Mbit/s
95th percentile per-packet one-way delay: 122.014 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 181.048 ms
Loss rate: 5.08%
```

Run 1: Report of Indigo-MusesD — Data Link

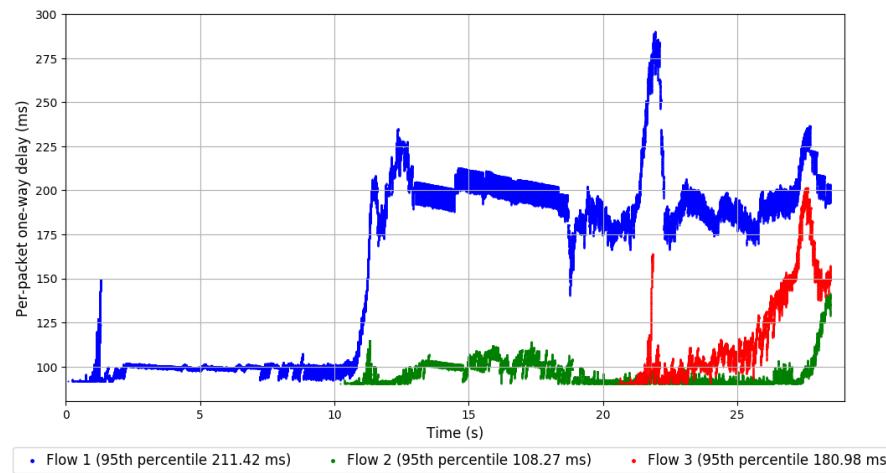
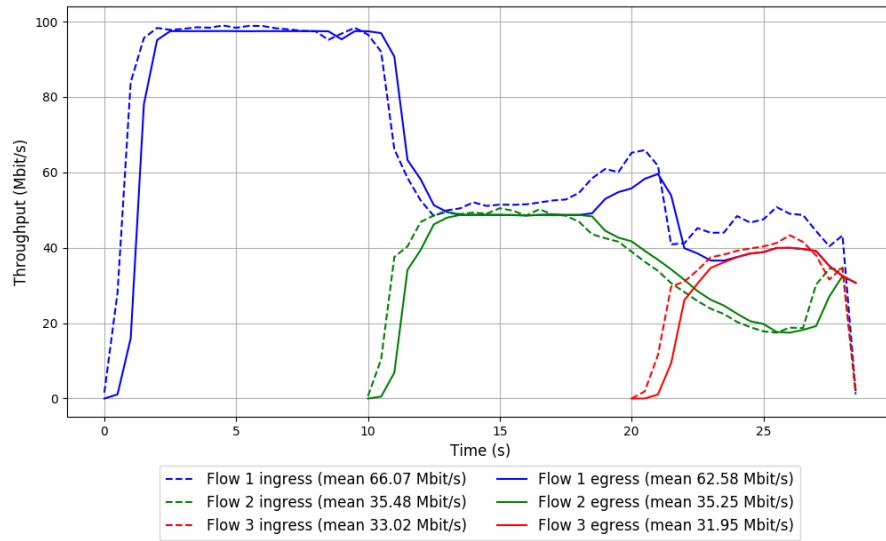


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 15:35:47
End at: 2019-12-11 15:36:17
Local clock offset: -7.379 ms
Remote clock offset: -9.691 ms

# Below is generated by plot.py at 2019-12-11 17:30:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 207.841 ms
Loss rate: 4.66%
-- Flow 1:
Average throughput: 62.58 Mbit/s
95th percentile per-packet one-way delay: 211.420 ms
Loss rate: 5.75%
-- Flow 2:
Average throughput: 35.25 Mbit/s
95th percentile per-packet one-way delay: 108.266 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 31.95 Mbit/s
95th percentile per-packet one-way delay: 180.982 ms
Loss rate: 4.89%
```

Run 2: Report of Indigo-MusesD — Data Link

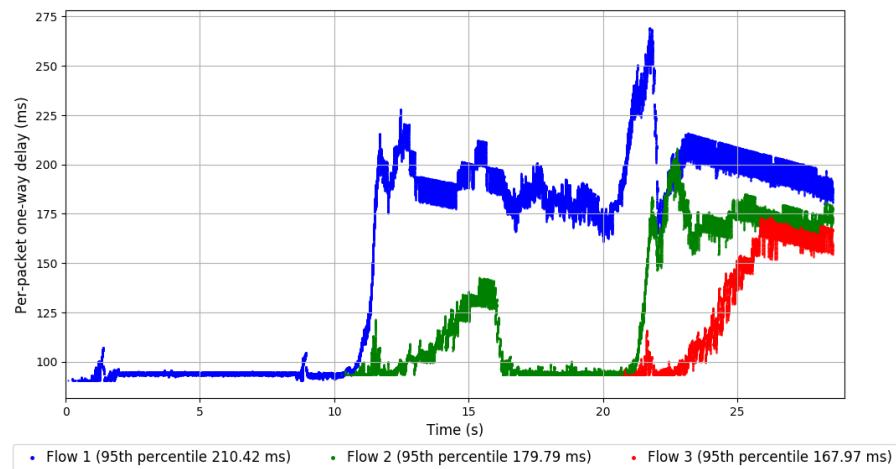
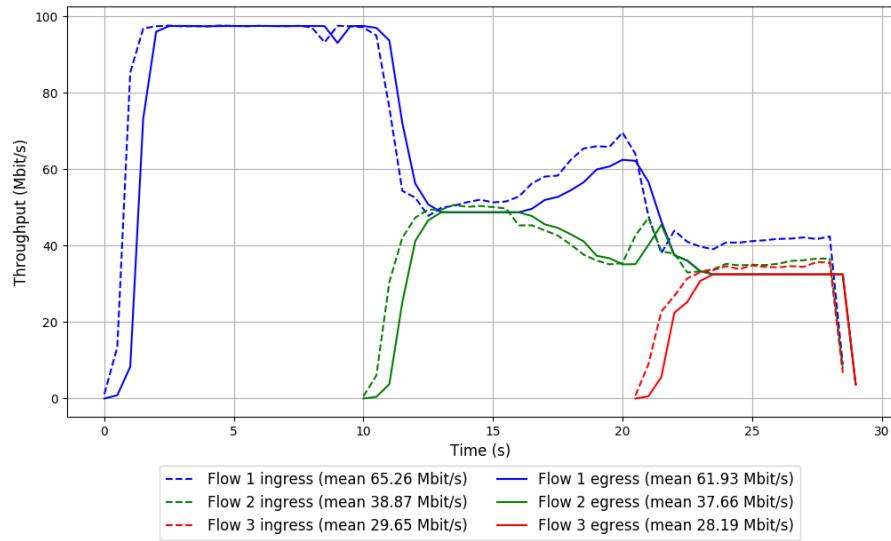


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 16:06:04
End at: 2019-12-11 16:06:34
Local clock offset: -7.835 ms
Remote clock offset: -9.482 ms

# Below is generated by plot.py at 2019-12-11 17:30:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 206.197 ms
Loss rate: 5.18%
-- Flow 1:
Average throughput: 61.93 Mbit/s
95th percentile per-packet one-way delay: 210.417 ms
Loss rate: 5.53%
-- Flow 2:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 179.792 ms
Loss rate: 3.83%
-- Flow 3:
Average throughput: 28.19 Mbit/s
95th percentile per-packet one-way delay: 167.969 ms
Loss rate: 6.47%
```

Run 3: Report of Indigo-MusesD — Data Link

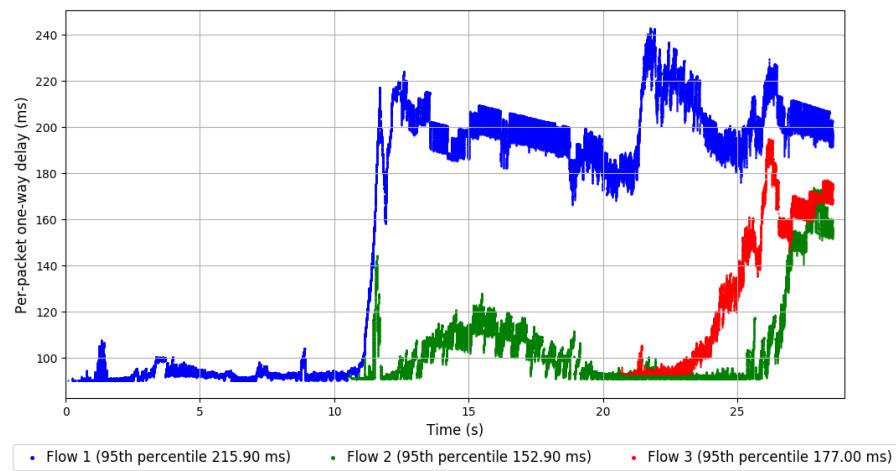
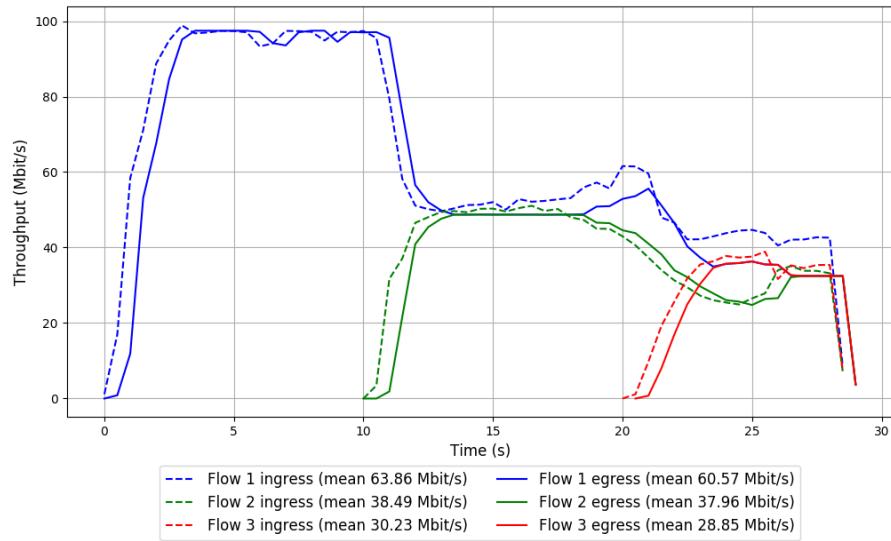


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 16:36:23
End at: 2019-12-11 16:36:53
Local clock offset: -5.917 ms
Remote clock offset: -9.328 ms

# Below is generated by plot.py at 2019-12-11 17:30:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 210.849 ms
Loss rate: 4.77%
-- Flow 1:
Average throughput: 60.57 Mbit/s
95th percentile per-packet one-way delay: 215.896 ms
Loss rate: 5.60%
-- Flow 2:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 152.897 ms
Loss rate: 2.14%
-- Flow 3:
Average throughput: 28.85 Mbit/s
95th percentile per-packet one-way delay: 177.004 ms
Loss rate: 6.11%
```

Run 4: Report of Indigo-MusesD — Data Link

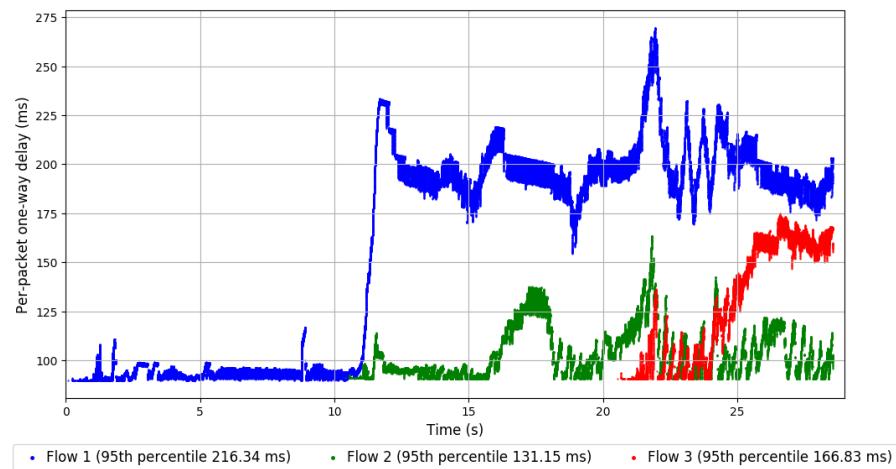
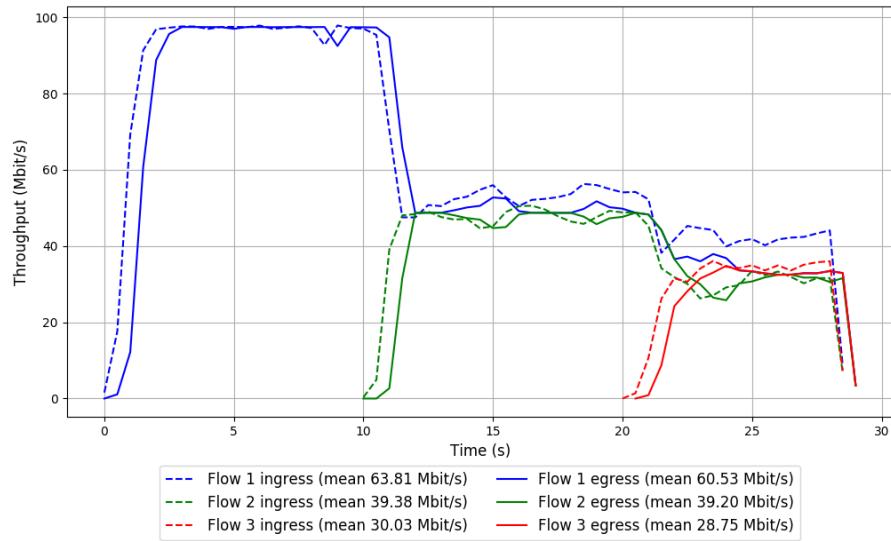


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 17:06:39
End at: 2019-12-11 17:07:09
Local clock offset: -6.301 ms
Remote clock offset: -8.952 ms

# Below is generated by plot.py at 2019-12-11 17:30:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.63 Mbit/s
95th percentile per-packet one-way delay: 208.959 ms
Loss rate: 4.50%
-- Flow 1:
Average throughput: 60.53 Mbit/s
95th percentile per-packet one-way delay: 216.341 ms
Loss rate: 5.60%
-- Flow 2:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 131.148 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 28.75 Mbit/s
95th percentile per-packet one-way delay: 166.827 ms
Loss rate: 5.91%
```

Run 5: Report of Indigo-MusesD — Data Link

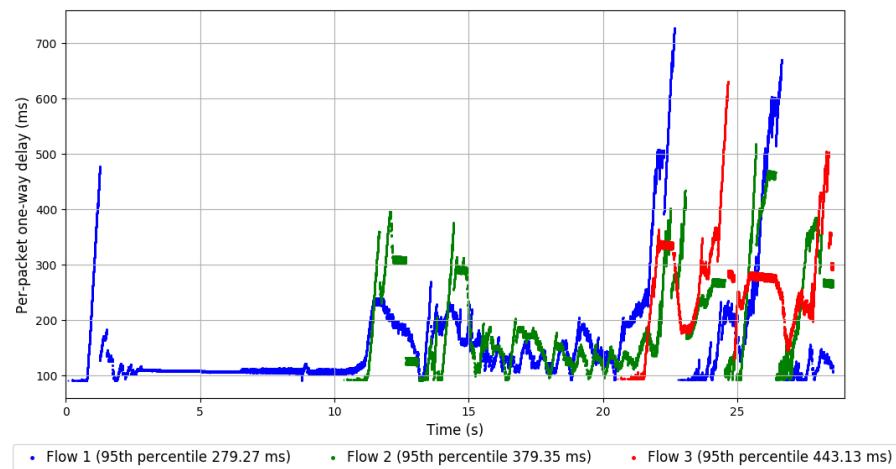
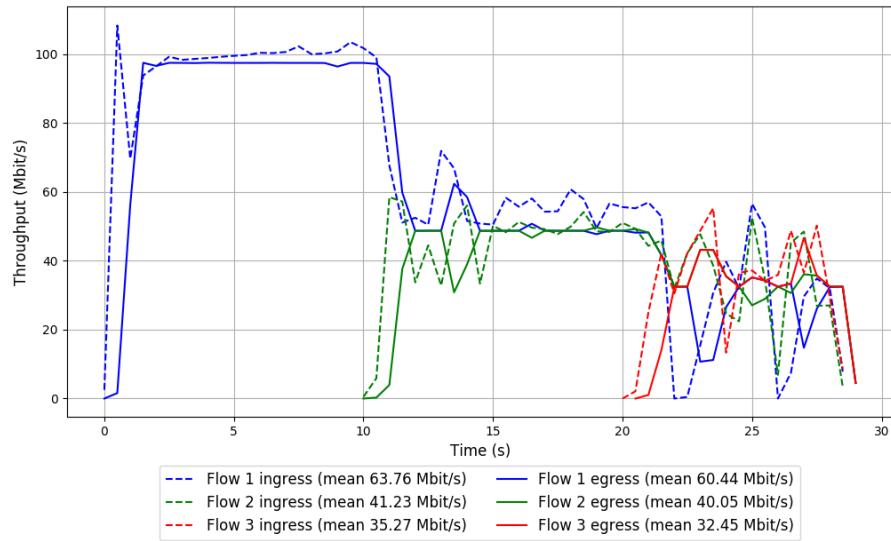


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 14:51:40
End at: 2019-12-11 14:52:10
Local clock offset: -5.14 ms
Remote clock offset: -9.665 ms

# Below is generated by plot.py at 2019-12-11 17:30:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 369.348 ms
Loss rate: 5.49%
-- Flow 1:
Average throughput: 60.44 Mbit/s
95th percentile per-packet one-way delay: 279.266 ms
Loss rate: 5.65%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 379.347 ms
Loss rate: 3.54%
-- Flow 3:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 443.126 ms
Loss rate: 9.55%
```

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

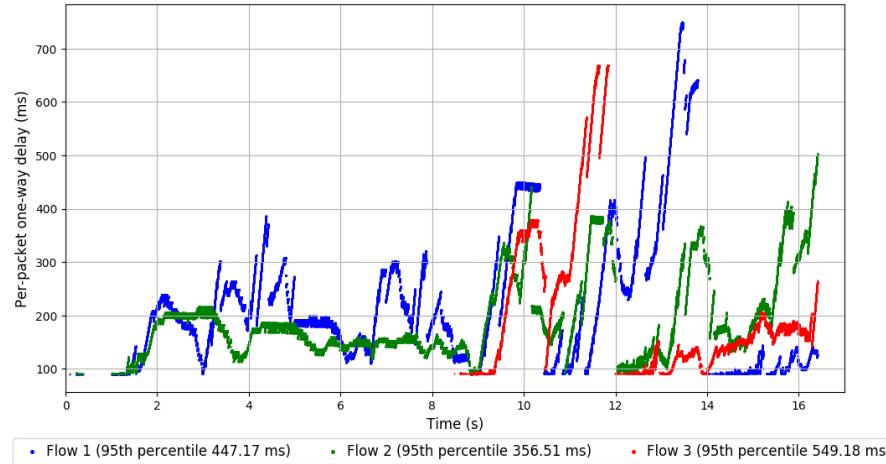
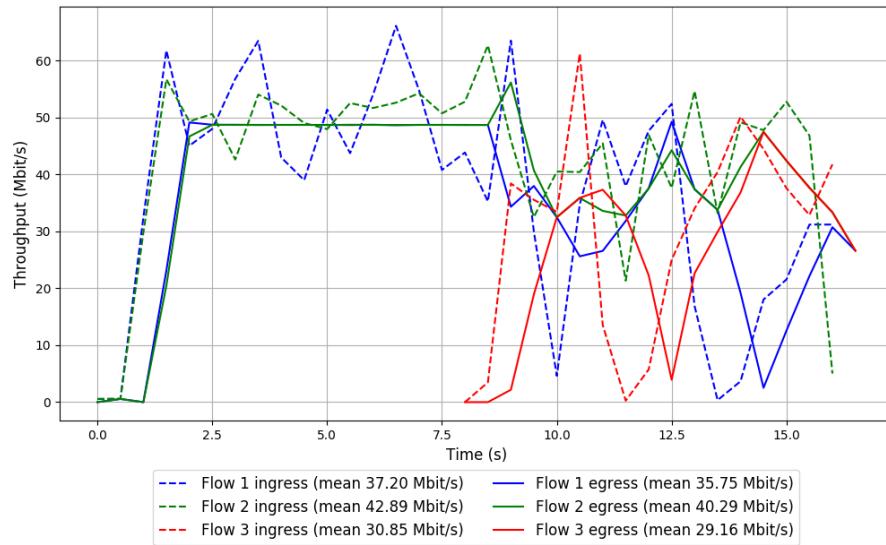
Start at: 2019-12-11 15:21:57

End at: 2019-12-11 15:22:27

Local clock offset: -7.079 ms

Remote clock offset: -9.181 ms

Run 2: Report of Indigo-MusesT — Data Link

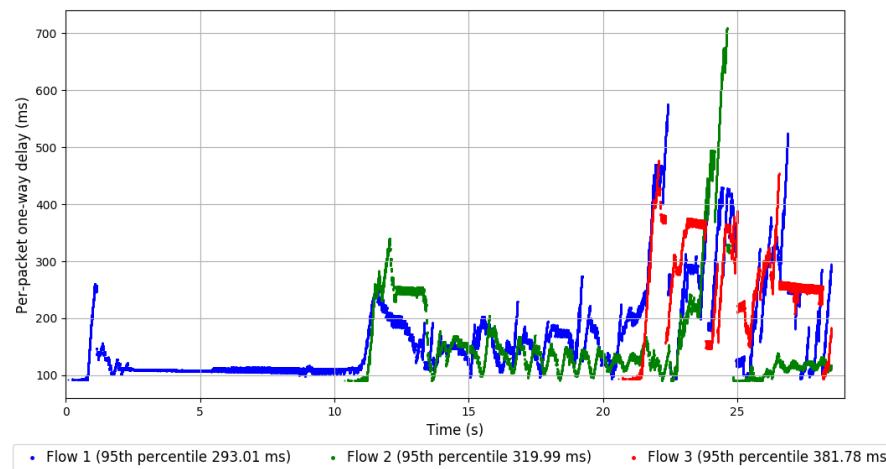
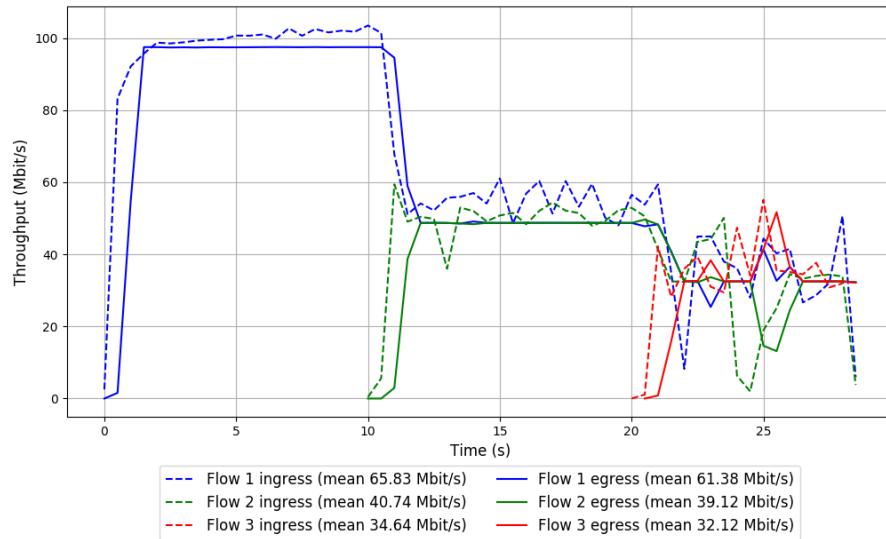


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 15:52:13
End at: 2019-12-11 15:52:43
Local clock offset: -7.252 ms
Remote clock offset: -9.0 ms

# Below is generated by plot.py at 2019-12-11 17:31:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 352.063 ms
Loss rate: 6.58%
-- Flow 1:
Average throughput: 61.38 Mbit/s
95th percentile per-packet one-way delay: 293.009 ms
Loss rate: 7.21%
-- Flow 2:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 319.994 ms
Loss rate: 4.70%
-- Flow 3:
Average throughput: 32.12 Mbit/s
95th percentile per-packet one-way delay: 381.776 ms
Loss rate: 7.33%
```

Run 3: Report of Indigo-MusesT — Data Link

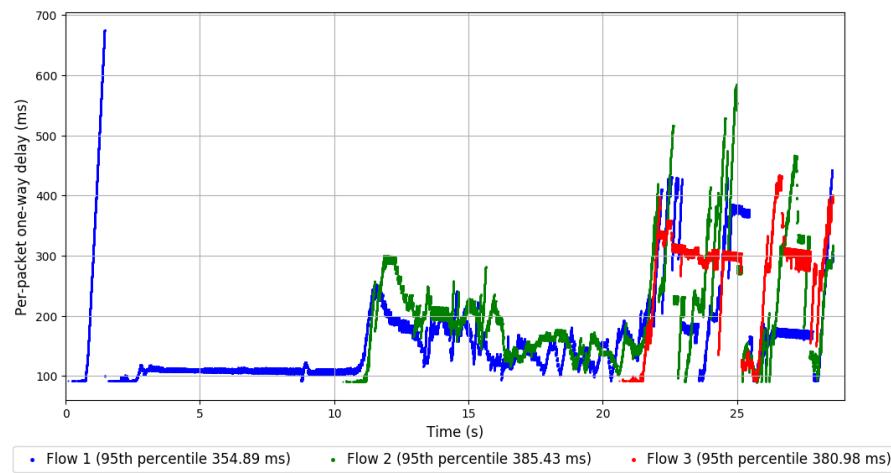
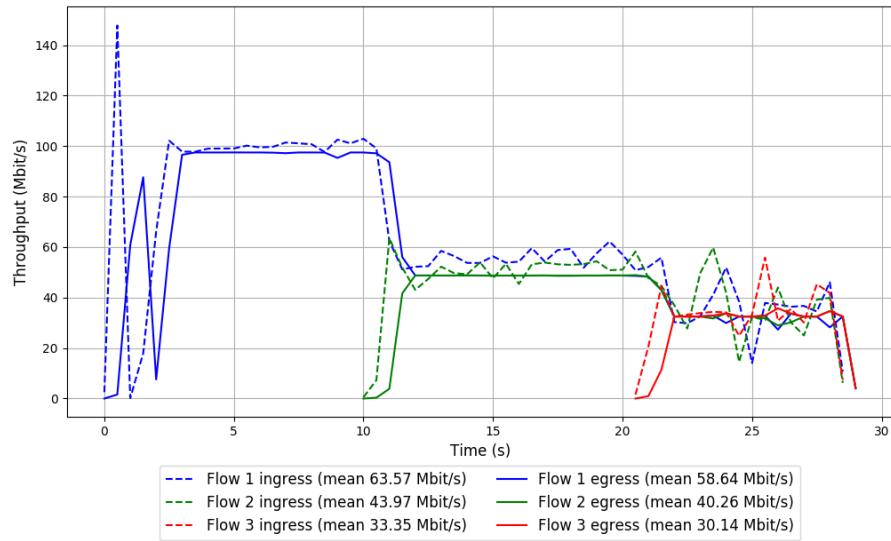


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 16:22:31
End at: 2019-12-11 16:23:01
Local clock offset: -6.837 ms
Remote clock offset: -9.241 ms

# Below is generated by plot.py at 2019-12-11 17:31:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 369.993 ms
Loss rate: 8.72%
-- Flow 1:
Average throughput: 58.64 Mbit/s
95th percentile per-packet one-way delay: 354.886 ms
Loss rate: 8.19%
-- Flow 2:
Average throughput: 40.26 Mbit/s
95th percentile per-packet one-way delay: 385.428 ms
Loss rate: 9.11%
-- Flow 3:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 380.976 ms
Loss rate: 11.08%
```

Run 4: Report of Indigo-MusesT — Data Link

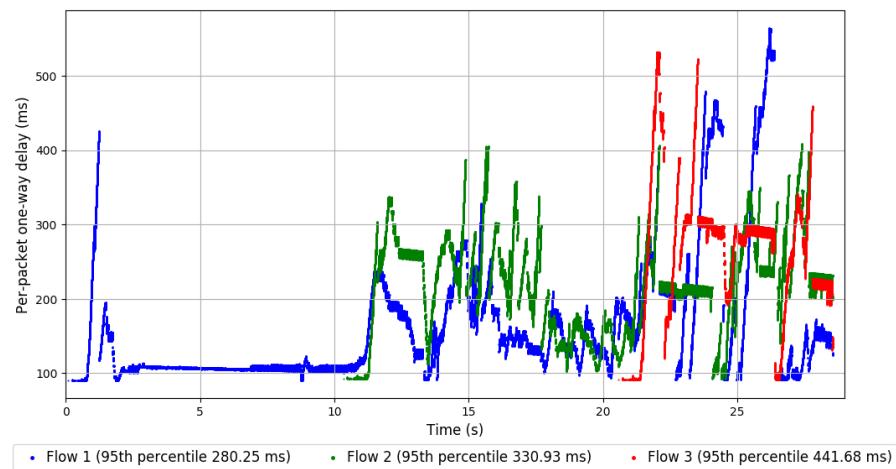
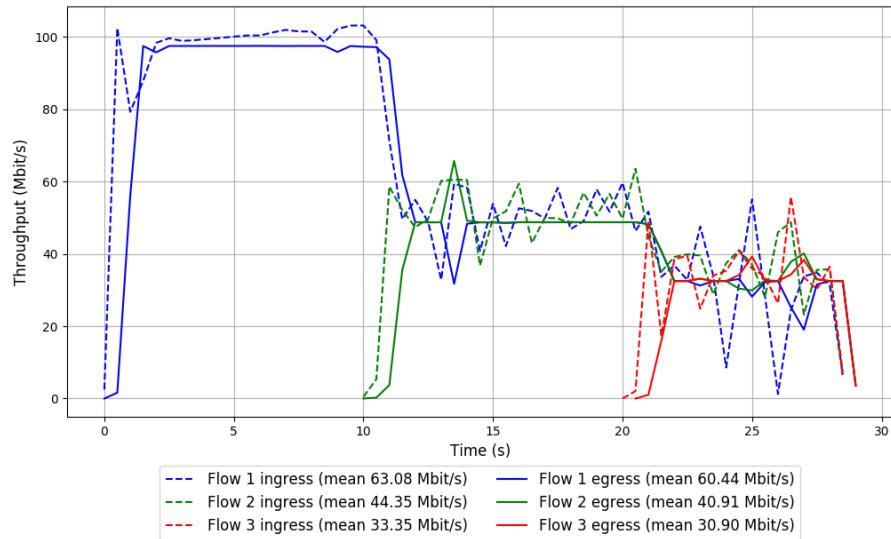


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 16:52:47
End at: 2019-12-11 16:53:17
Local clock offset: -6.324 ms
Remote clock offset: -9.878 ms

# Below is generated by plot.py at 2019-12-11 17:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 334.068 ms
Loss rate: 6.07%
-- Flow 1:
Average throughput: 60.44 Mbit/s
95th percentile per-packet one-way delay: 280.245 ms
Loss rate: 4.62%
-- Flow 2:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 330.925 ms
Loss rate: 8.44%
-- Flow 3:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 441.678 ms
Loss rate: 8.60%
```

Run 5: Report of Indigo-MusesT — Data Link

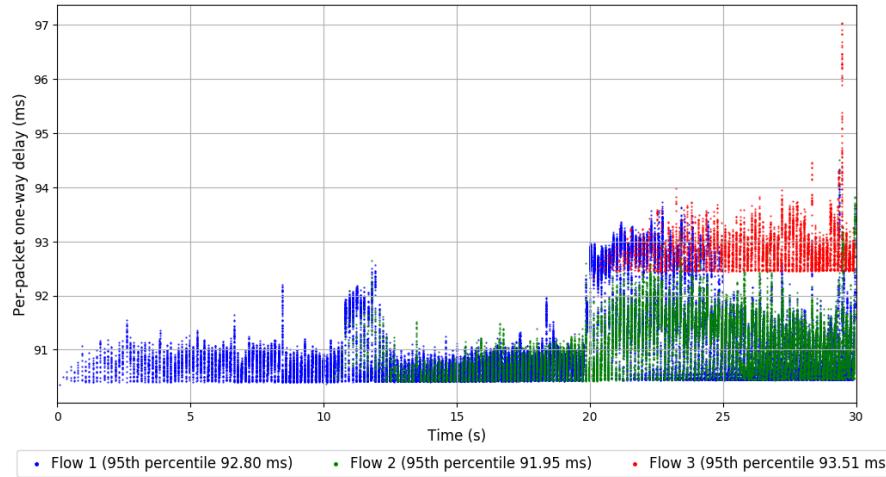
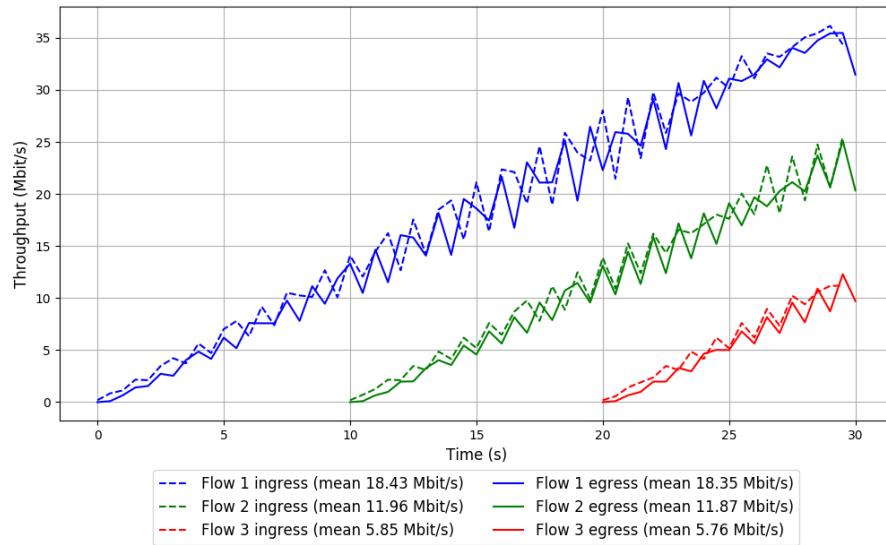


Run 1: Statistics of LEDBAT

```
Start at: 2019-12-11 15:06:49
End at: 2019-12-11 15:07:19
Local clock offset: -7.488 ms
Remote clock offset: -8.71 ms

# Below is generated by plot.py at 2019-12-11 17:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.13 Mbit/s
95th percentile per-packet one-way delay: 92.898 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 18.35 Mbit/s
95th percentile per-packet one-way delay: 92.803 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 11.87 Mbit/s
95th percentile per-packet one-way delay: 91.947 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 5.76 Mbit/s
95th percentile per-packet one-way delay: 93.513 ms
Loss rate: 2.89%
```

Run 1: Report of LEDBAT — Data Link

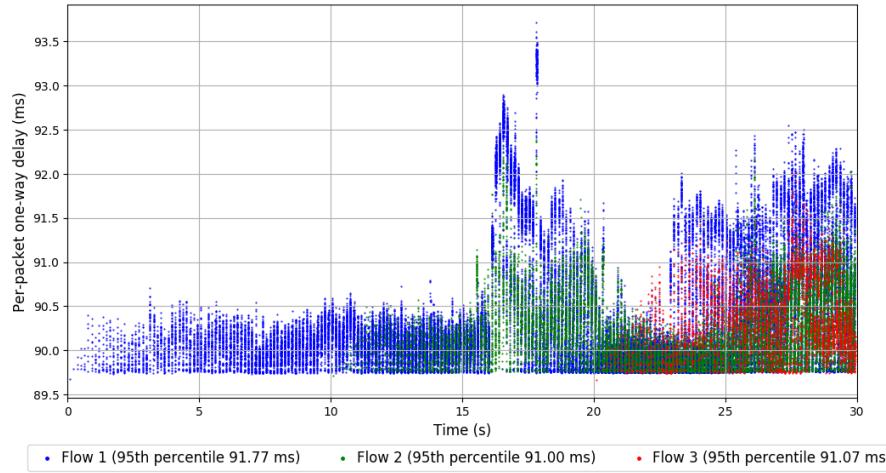
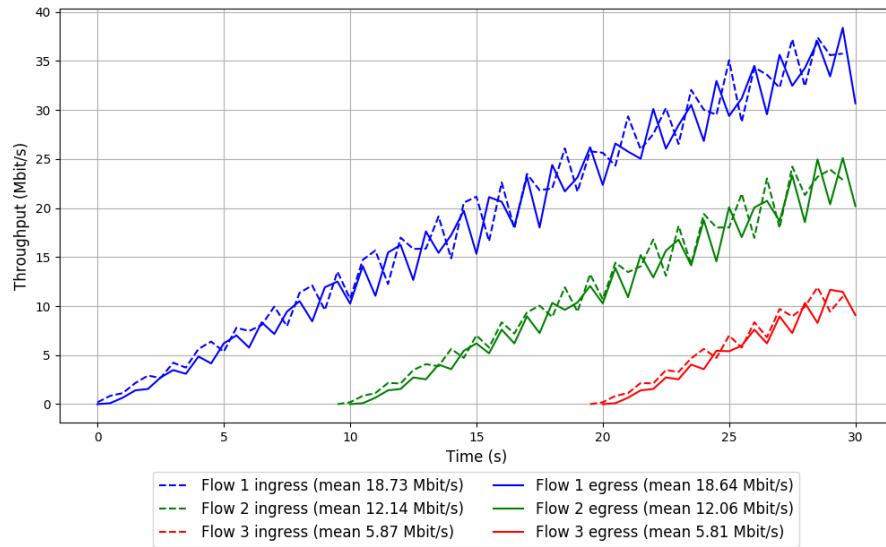


Run 2: Statistics of LEDBAT

```
Start at: 2019-12-11 15:37:03
End at: 2019-12-11 15:37:33
Local clock offset: -7.417 ms
Remote clock offset: -9.689 ms

# Below is generated by plot.py at 2019-12-11 17:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.56 Mbit/s
95th percentile per-packet one-way delay: 91.585 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 18.64 Mbit/s
95th percentile per-packet one-way delay: 91.767 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 90.995 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 5.81 Mbit/s
95th percentile per-packet one-way delay: 91.070 ms
Loss rate: 2.50%
```

Run 2: Report of LEDBAT — Data Link

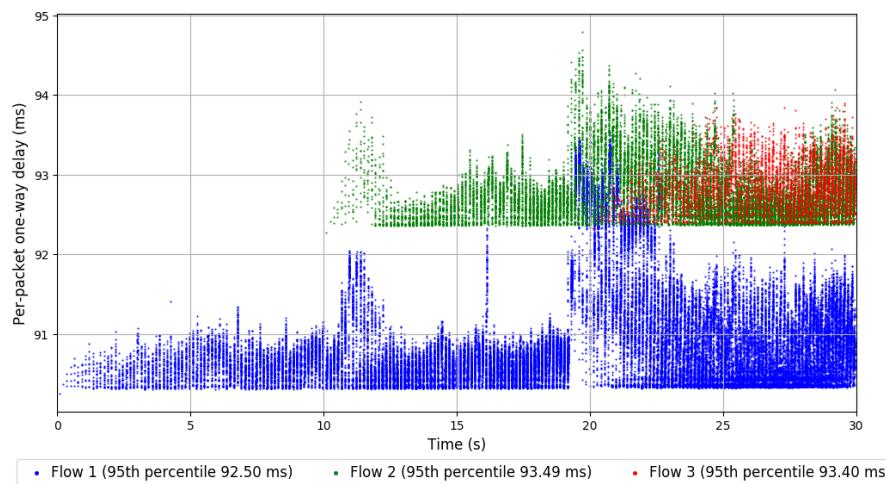
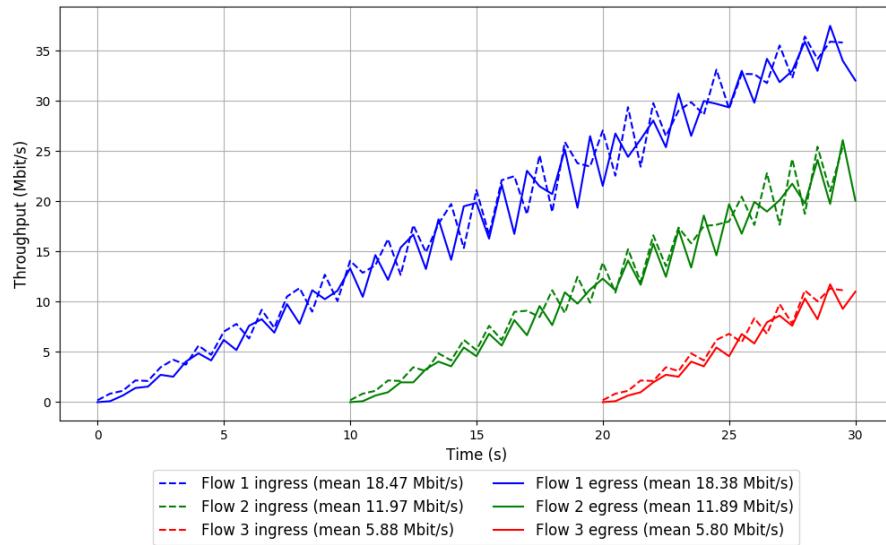


Run 3: Statistics of LEDBAT

```
Start at: 2019-12-11 16:07:21
End at: 2019-12-11 16:07:51
Local clock offset: -8.588 ms
Remote clock offset: -10.043 ms

# Below is generated by plot.py at 2019-12-11 17:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.19 Mbit/s
95th percentile per-packet one-way delay: 93.210 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 18.38 Mbit/s
95th percentile per-packet one-way delay: 92.503 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 93.491 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 5.80 Mbit/s
95th percentile per-packet one-way delay: 93.403 ms
Loss rate: 2.84%
```

Run 3: Report of LEDBAT — Data Link

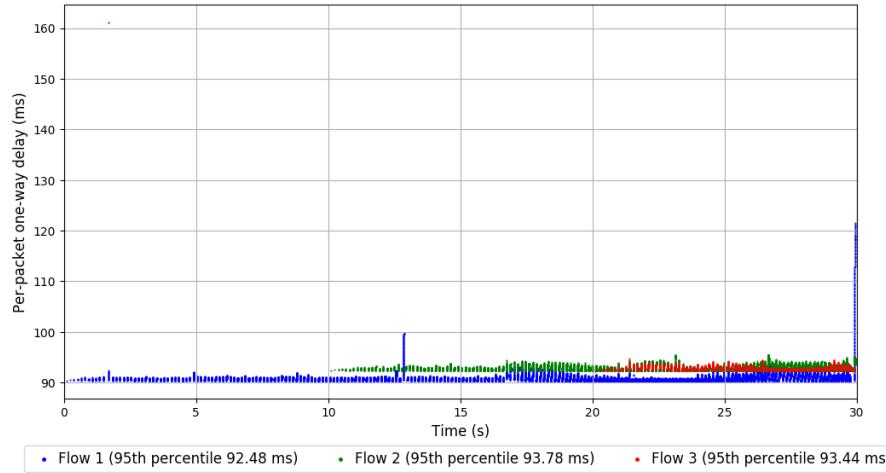
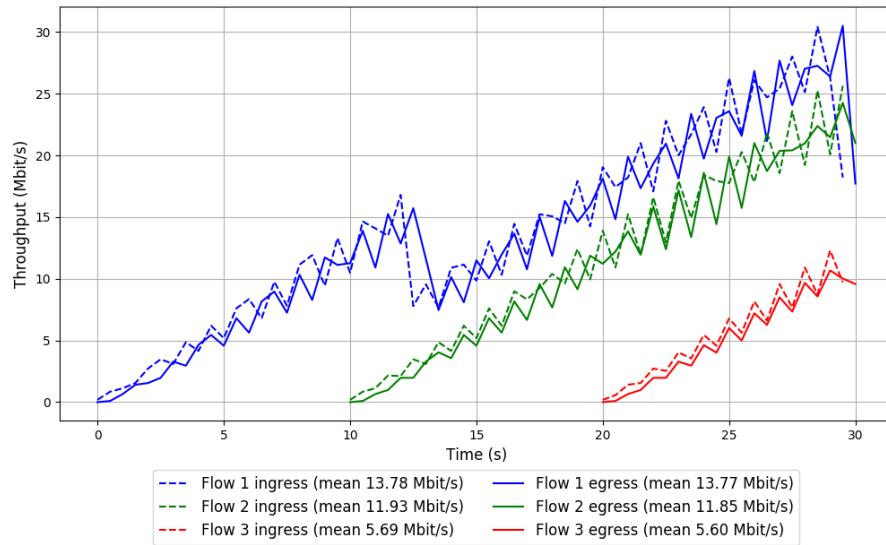


Run 4: Statistics of LEDBAT

```
Start at: 2019-12-11 16:37:39
End at: 2019-12-11 16:38:09
Local clock offset: -5.918 ms
Remote clock offset: -9.334 ms

# Below is generated by plot.py at 2019-12-11 17:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.48 Mbit/s
95th percentile per-packet one-way delay: 93.510 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 13.77 Mbit/s
95th percentile per-packet one-way delay: 92.483 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 93.775 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 5.60 Mbit/s
95th percentile per-packet one-way delay: 93.439 ms
Loss rate: 2.92%
```

Run 4: Report of LEDBAT — Data Link

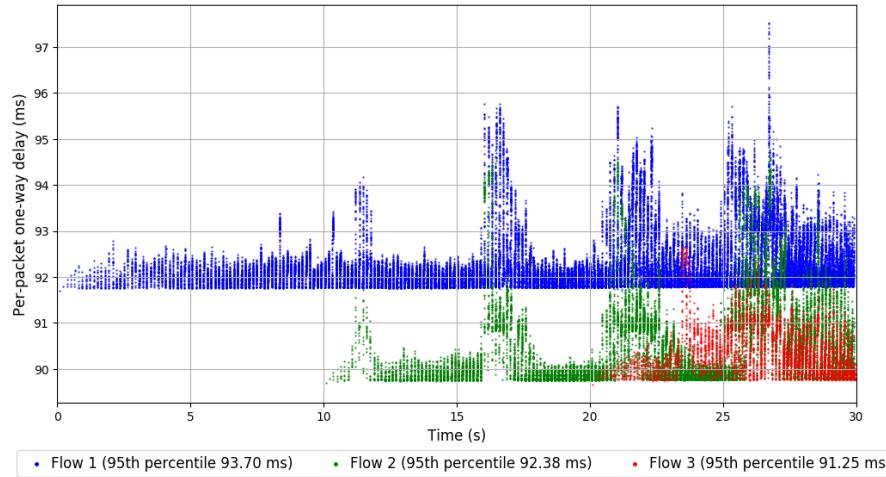
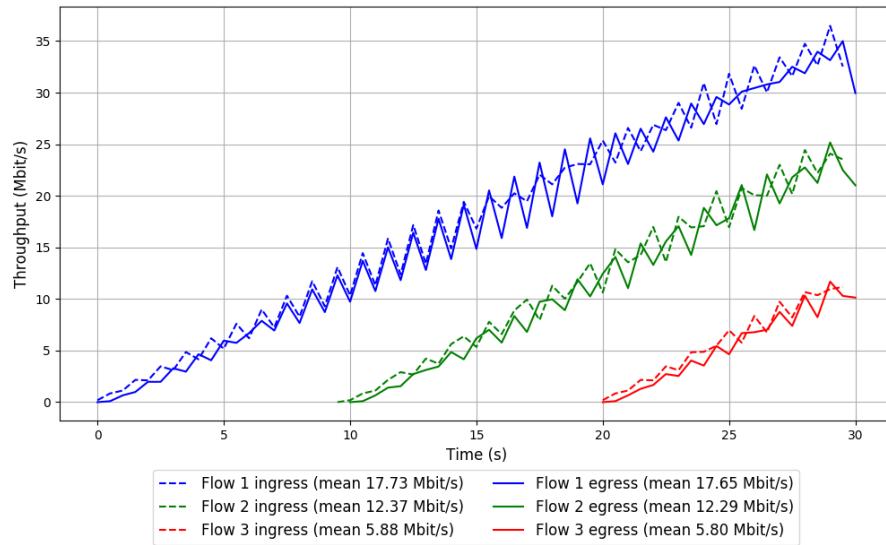


Run 5: Statistics of LEDBAT

```
Start at: 2019-12-11 17:07:56
End at: 2019-12-11 17:08:26
Local clock offset: -6.309 ms
Remote clock offset: -8.943 ms

# Below is generated by plot.py at 2019-12-11 17:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.70 Mbit/s
95th percentile per-packet one-way delay: 93.451 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 17.65 Mbit/s
95th percentile per-packet one-way delay: 93.699 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 92.380 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 5.80 Mbit/s
95th percentile per-packet one-way delay: 91.246 ms
Loss rate: 2.74%
```

Run 5: Report of LEDBAT — Data Link

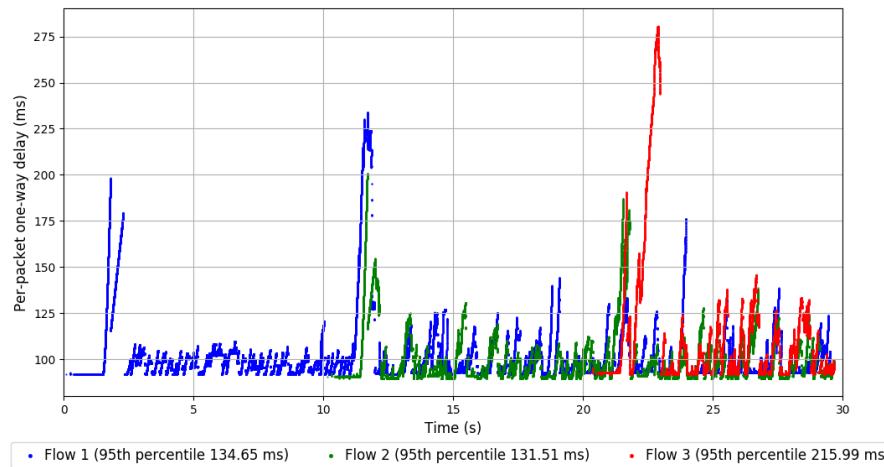
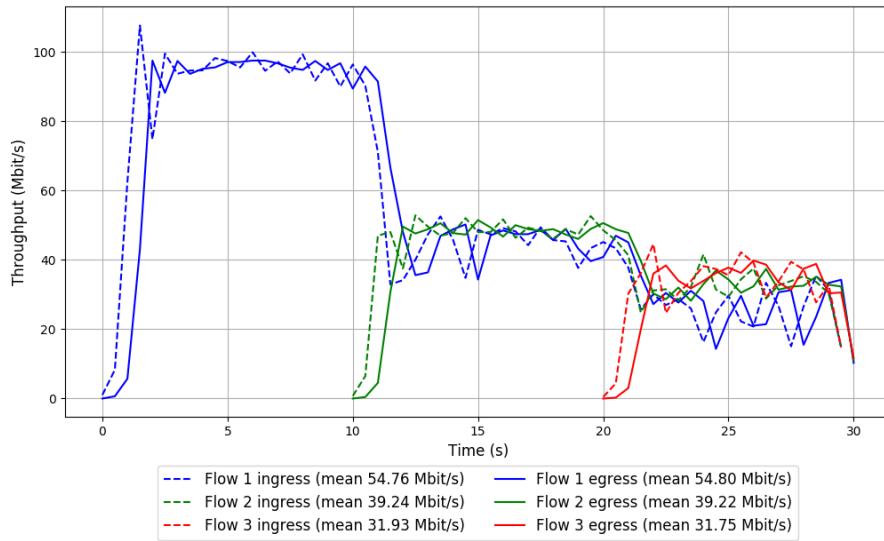


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 15:11:47
End at: 2019-12-11 15:12:17
Local clock offset: -7.053 ms
Remote clock offset: -8.168 ms

# Below is generated by plot.py at 2019-12-11 17:31:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 139.929 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 134.650 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 131.508 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 215.987 ms
Loss rate: 2.06%
```

Run 1: Report of Muses_DecisionTree — Data Link

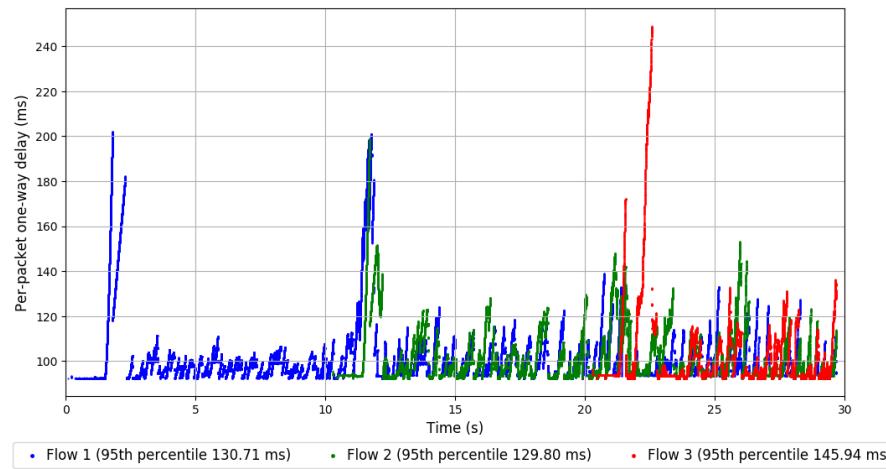
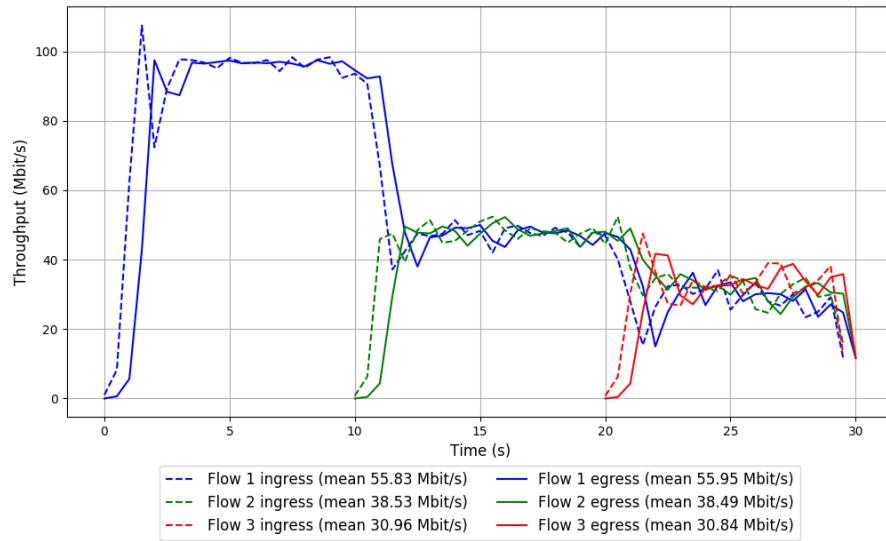


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 15:42:01
End at: 2019-12-11 15:42:31
Local clock offset: -6.865 ms
Remote clock offset: -9.742 ms

# Below is generated by plot.py at 2019-12-11 17:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: 131.047 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 55.95 Mbit/s
95th percentile per-packet one-way delay: 130.705 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 129.800 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 30.84 Mbit/s
95th percentile per-packet one-way delay: 145.938 ms
Loss rate: 1.81%
```

Run 2: Report of Muses_DecisionTree — Data Link

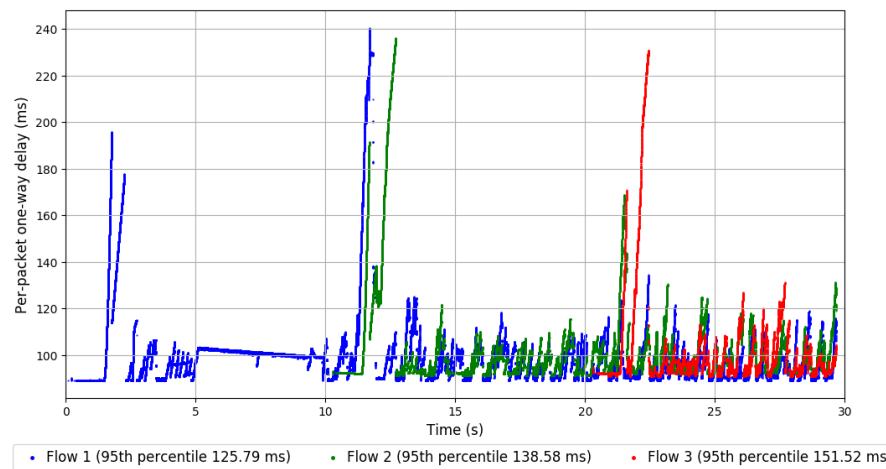
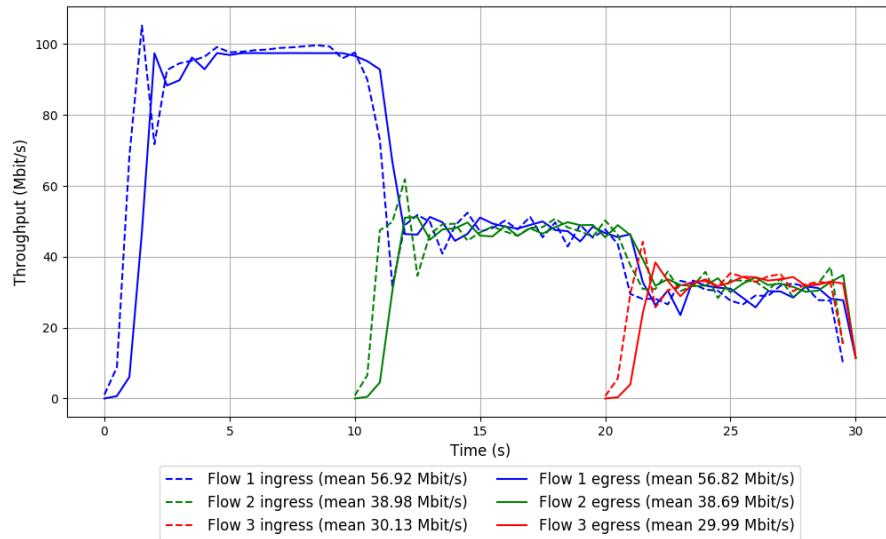


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 16:12:20
End at: 2019-12-11 16:12:50
Local clock offset: -7.794 ms
Remote clock offset: -8.864 ms

# Below is generated by plot.py at 2019-12-11 17:31:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 133.145 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 125.792 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 38.69 Mbit/s
95th percentile per-packet one-way delay: 138.576 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 151.516 ms
Loss rate: 1.90%
```

Run 3: Report of Muses_DecisionTree — Data Link

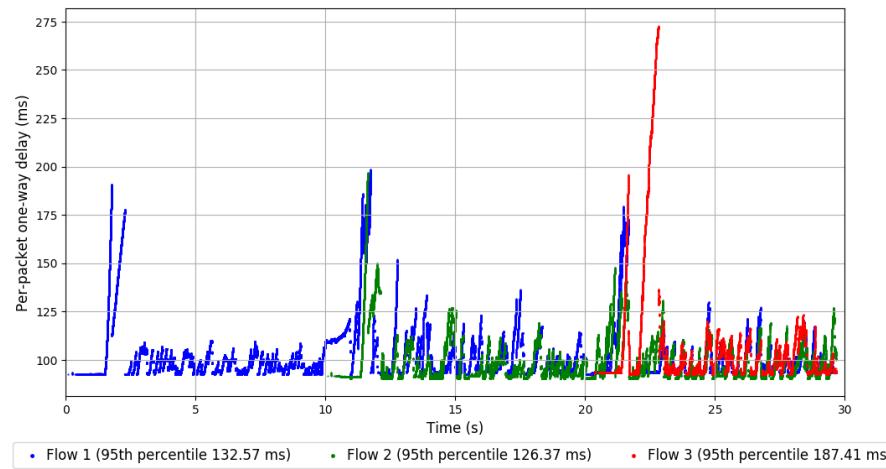
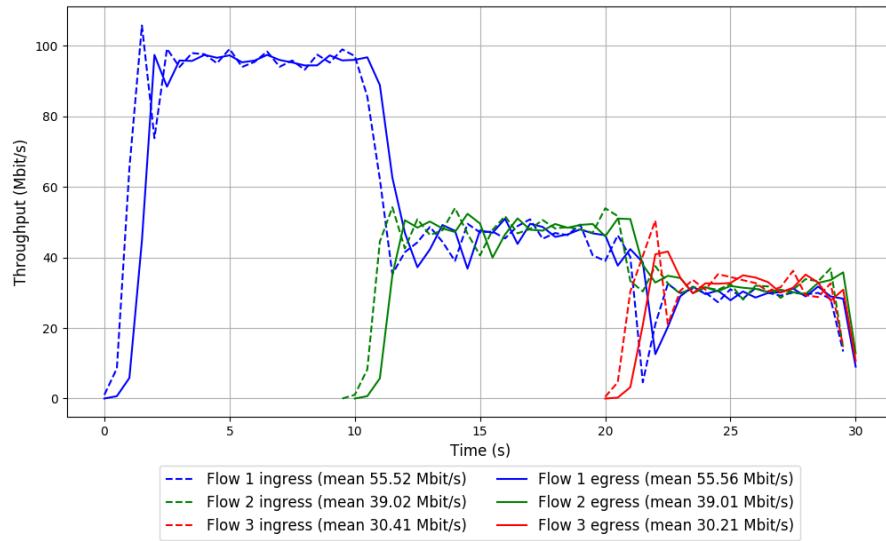


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 16:42:37
End at: 2019-12-11 16:43:07
Local clock offset: -5.767 ms
Remote clock offset: -9.373 ms

# Below is generated by plot.py at 2019-12-11 17:31:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.02 Mbit/s
95th percentile per-packet one-way delay: 132.296 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 55.56 Mbit/s
95th percentile per-packet one-way delay: 132.569 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 39.01 Mbit/s
95th percentile per-packet one-way delay: 126.373 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 187.406 ms
Loss rate: 2.07%
```

Run 4: Report of Muses_DecisionTree — Data Link

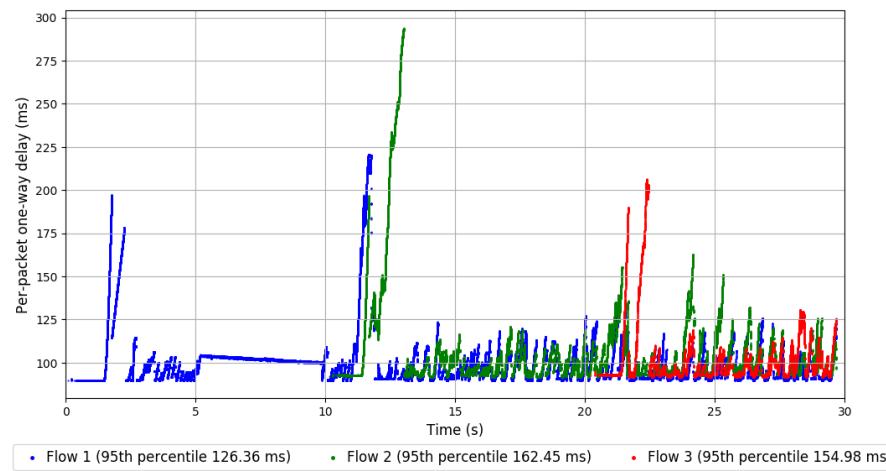
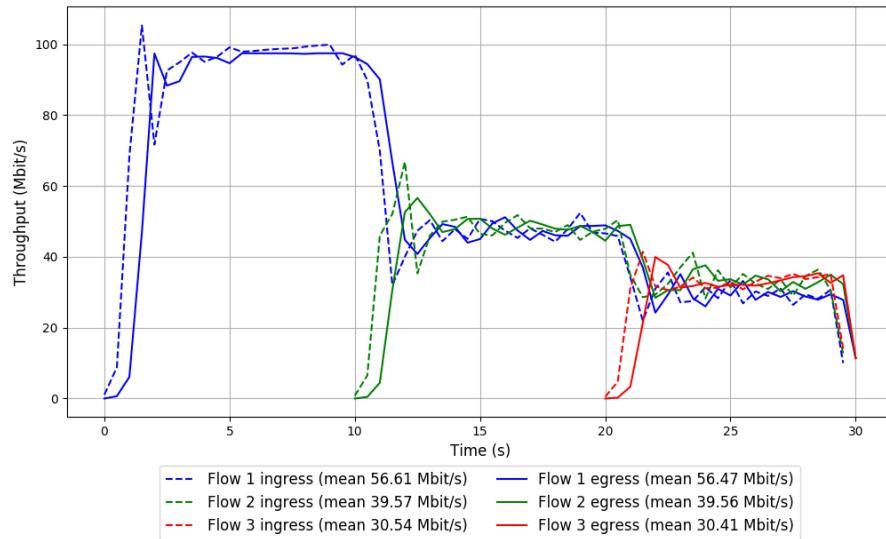


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 17:12:55
End at: 2019-12-11 17:13:25
Local clock offset: -6.73 ms
Remote clock offset: -8.894 ms

# Below is generated by plot.py at 2019-12-11 17:31:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 141.621 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 126.357 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 162.448 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: 154.978 ms
Loss rate: 1.93%
```

Run 5: Report of Muses_DecisionTree — Data Link

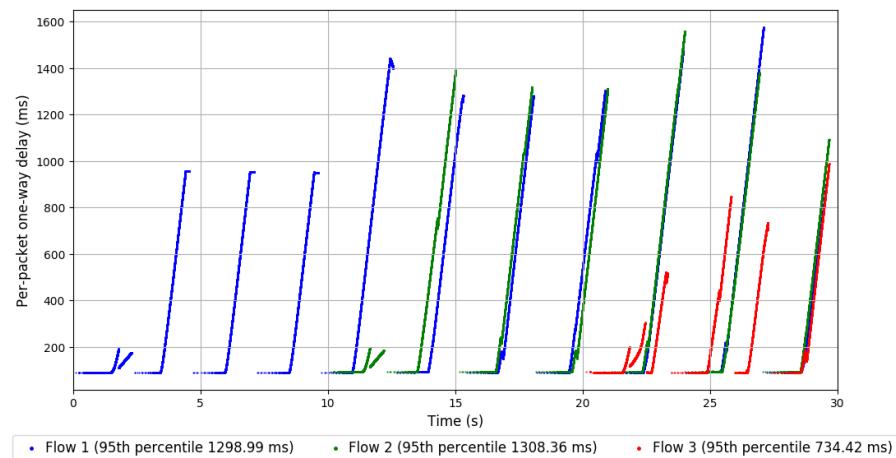
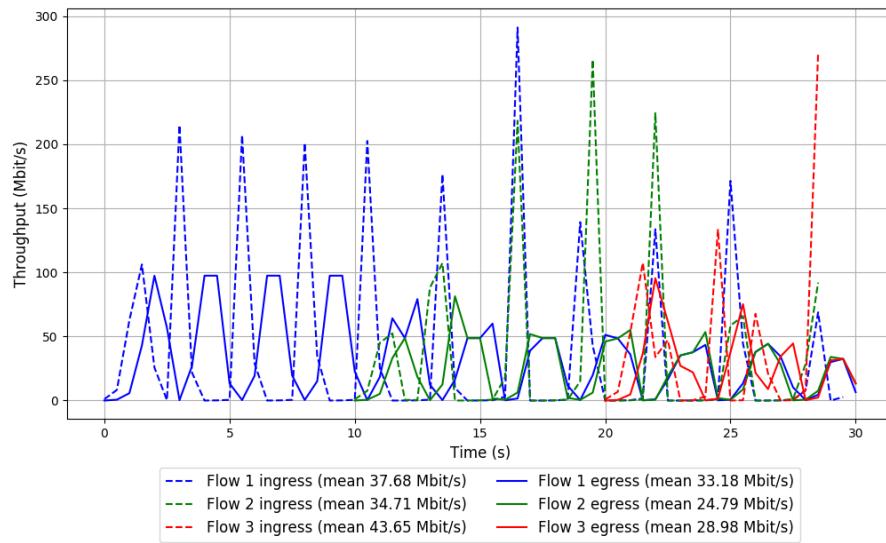


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 15:14:20
End at: 2019-12-11 15:14:50
Local clock offset: -6.756 ms
Remote clock offset: -9.356 ms

# Below is generated by plot.py at 2019-12-11 17:31:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.83 Mbit/s
95th percentile per-packet one-way delay: 1280.066 ms
Loss rate: 18.83%
-- Flow 1:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 1298.991 ms
Loss rate: 12.55%
-- Flow 2:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 1308.357 ms
Loss rate: 25.02%
-- Flow 3:
Average throughput: 28.98 Mbit/s
95th percentile per-packet one-way delay: 734.420 ms
Loss rate: 26.85%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

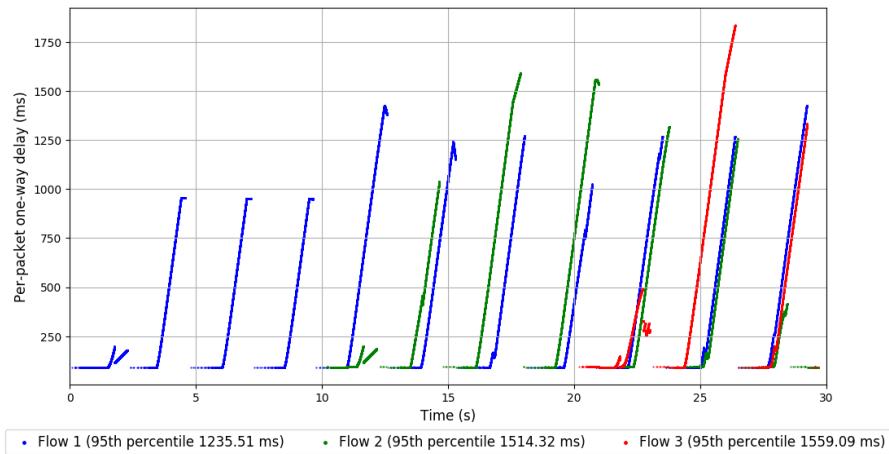
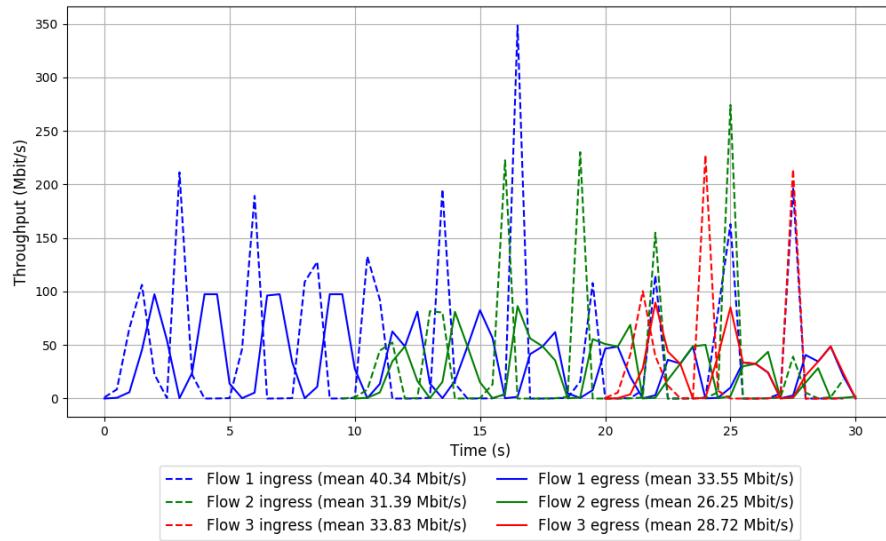


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 15:44:34
End at: 2019-12-11 15:45:04
Local clock offset: -7.011 ms
Remote clock offset: -9.74 ms

# Below is generated by plot.py at 2019-12-11 17:31:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.08 Mbit/s
95th percentile per-packet one-way delay: 1360.583 ms
Loss rate: 17.02%
-- Flow 1:
Average throughput: 33.55 Mbit/s
95th percentile per-packet one-way delay: 1235.511 ms
Loss rate: 17.23%
-- Flow 2:
Average throughput: 26.25 Mbit/s
95th percentile per-packet one-way delay: 1514.322 ms
Loss rate: 16.97%
-- Flow 3:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 1559.092 ms
Loss rate: 16.38%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

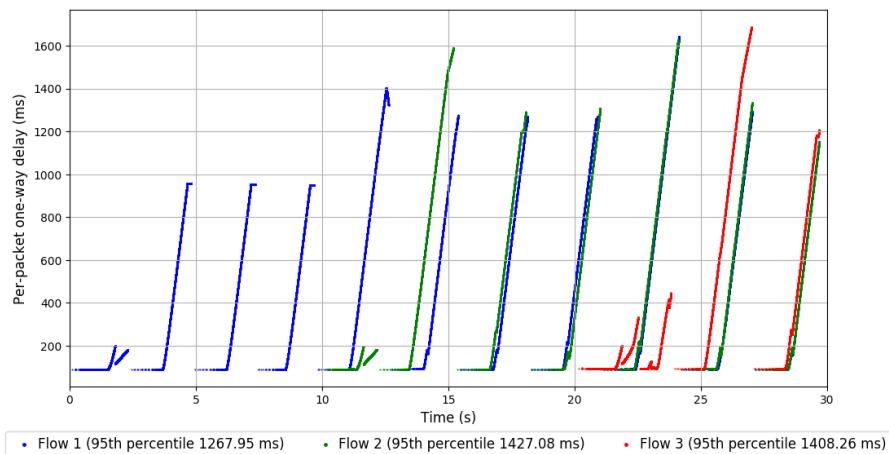
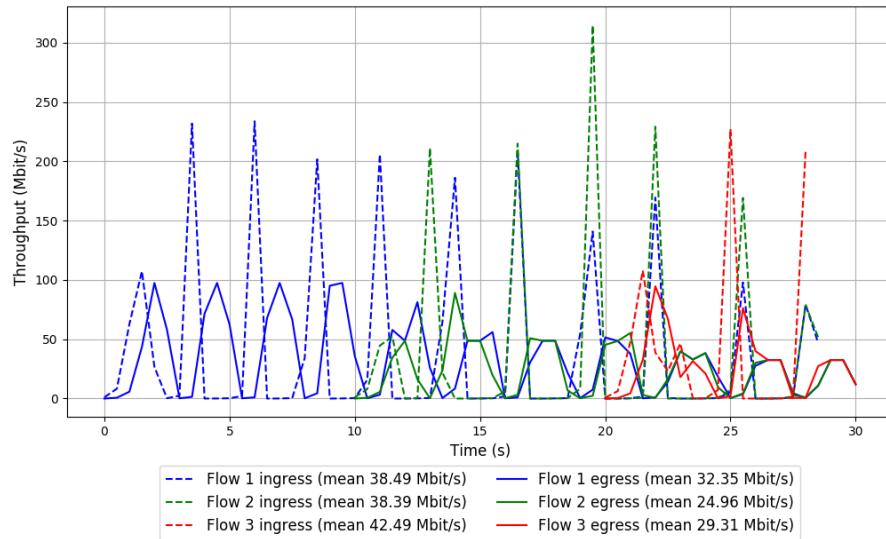


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 16:14:53
End at: 2019-12-11 16:15:23
Local clock offset: -6.726 ms
Remote clock offset: -9.188 ms

# Below is generated by plot.py at 2019-12-11 17:31:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 1328.730 ms
Loss rate: 20.40%
-- Flow 1:
Average throughput: 32.35 Mbit/s
95th percentile per-packet one-way delay: 1267.949 ms
Loss rate: 12.84%
-- Flow 2:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1427.081 ms
Loss rate: 31.31%
-- Flow 3:
Average throughput: 29.31 Mbit/s
95th percentile per-packet one-way delay: 1408.256 ms
Loss rate: 21.92%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

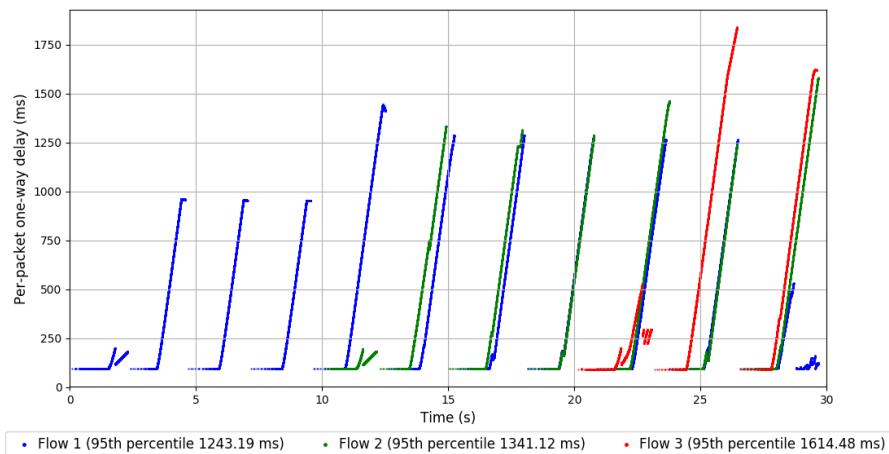
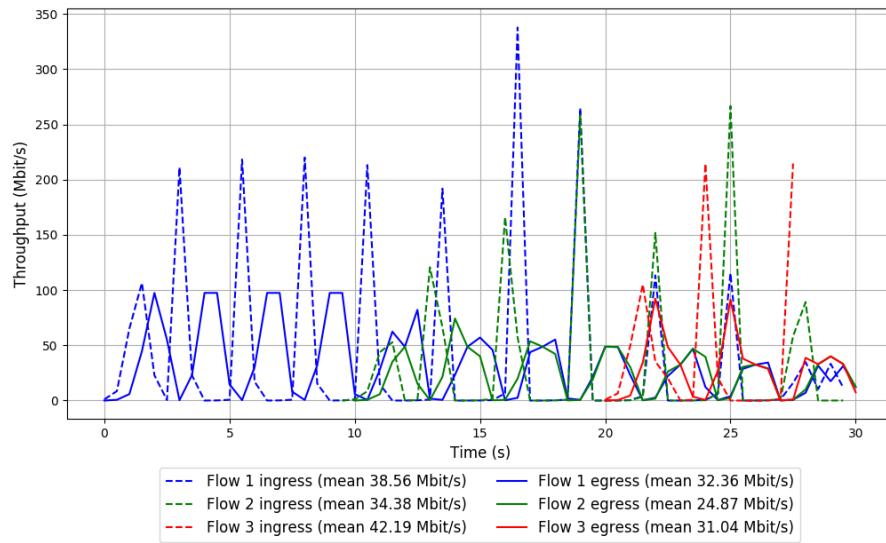


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 16:45:10
End at: 2019-12-11 16:45:40
Local clock offset: -5.715 ms
Remote clock offset: -9.306 ms

# Below is generated by plot.py at 2019-12-11 17:32:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.75 Mbit/s
95th percentile per-packet one-way delay: 1320.753 ms
Loss rate: 19.48%
-- Flow 1:
Average throughput: 32.36 Mbit/s
95th percentile per-packet one-way delay: 1243.193 ms
Loss rate: 16.45%
-- Flow 2:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 1341.121 ms
Loss rate: 28.17%
-- Flow 3:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 1614.478 ms
Loss rate: 12.25%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

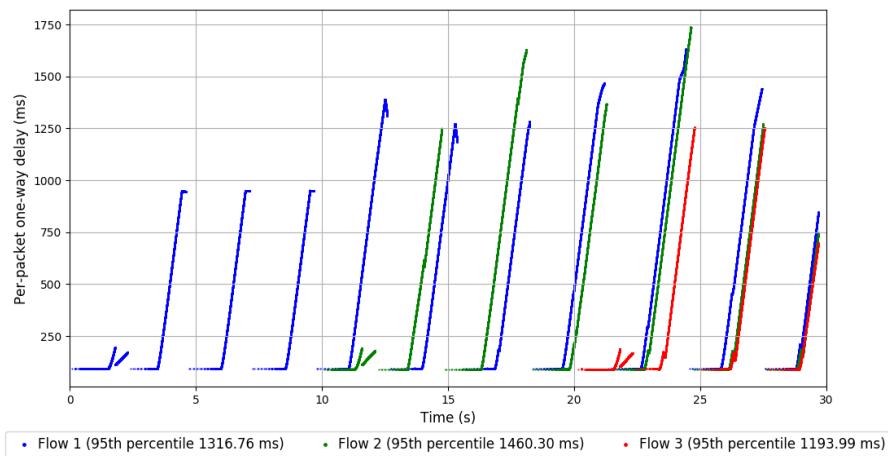
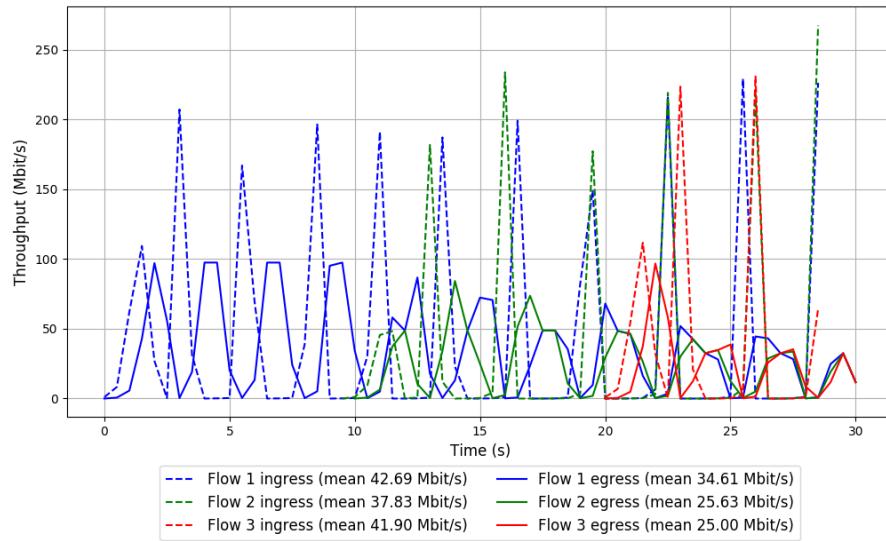


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 17:15:29
End at: 2019-12-11 17:15:59
Local clock offset: -6.191 ms
Remote clock offset: -8.277 ms

# Below is generated by plot.py at 2019-12-11 17:32:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.63 Mbit/s
95th percentile per-packet one-way delay: 1328.895 ms
Loss rate: 24.10%
-- Flow 1:
Average throughput: 34.61 Mbit/s
95th percentile per-packet one-way delay: 1316.762 ms
Loss rate: 16.93%
-- Flow 2:
Average throughput: 25.63 Mbit/s
95th percentile per-packet one-way delay: 1460.296 ms
Loss rate: 30.02%
-- Flow 3:
Average throughput: 25.00 Mbit/s
95th percentile per-packet one-way delay: 1193.990 ms
Loss rate: 36.38%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

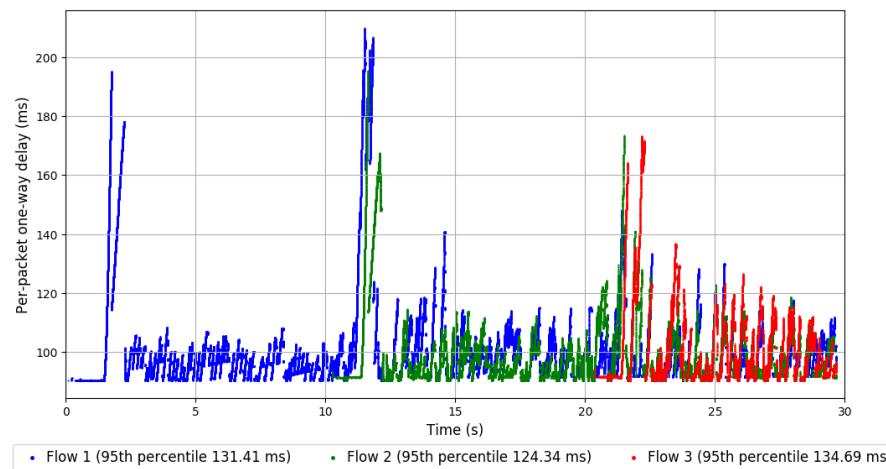
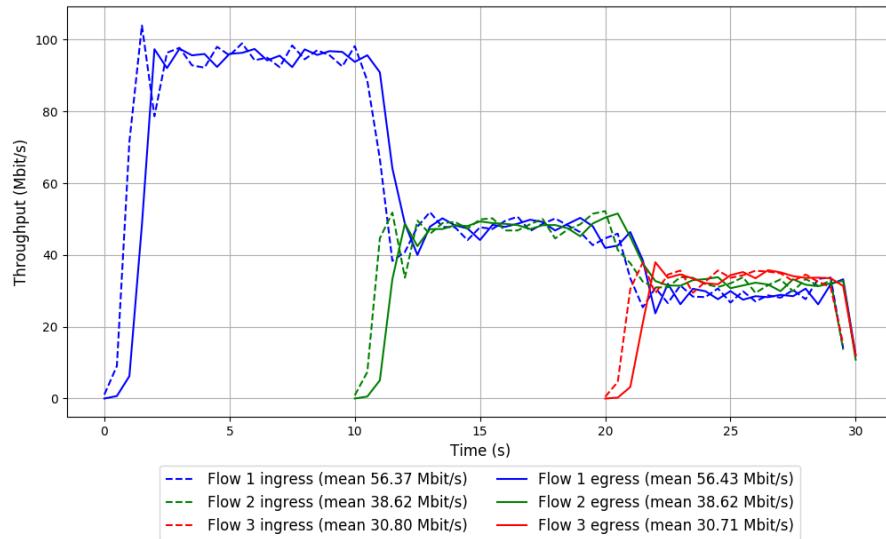


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 14:50:24
End at: 2019-12-11 14:50:54
Local clock offset: -4.695 ms
Remote clock offset: -8.9 ms

# Below is generated by plot.py at 2019-12-11 17:32:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 129.956 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 131.406 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 38.62 Mbit/s
95th percentile per-packet one-way delay: 124.344 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 134.686 ms
Loss rate: 1.74%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

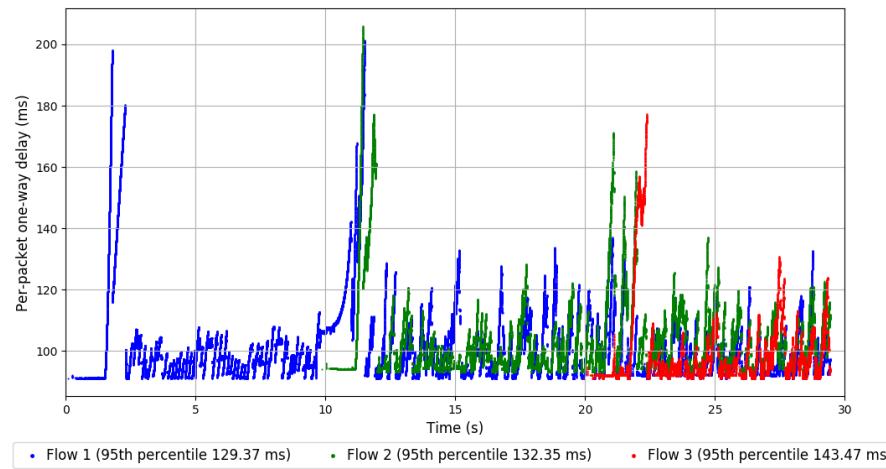
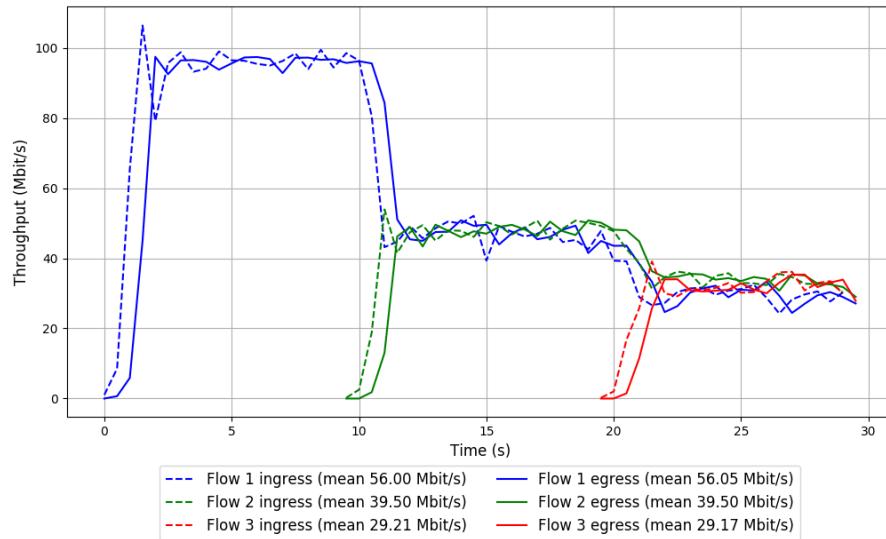


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 15:20:41
End at: 2019-12-11 15:21:11
Local clock offset: -6.401 ms
Remote clock offset: -9.857 ms

# Below is generated by plot.py at 2019-12-11 17:32:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.82 Mbit/s
95th percentile per-packet one-way delay: 131.062 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 56.05 Mbit/s
95th percentile per-packet one-way delay: 129.373 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 132.348 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 29.17 Mbit/s
95th percentile per-packet one-way delay: 143.467 ms
Loss rate: 1.57%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

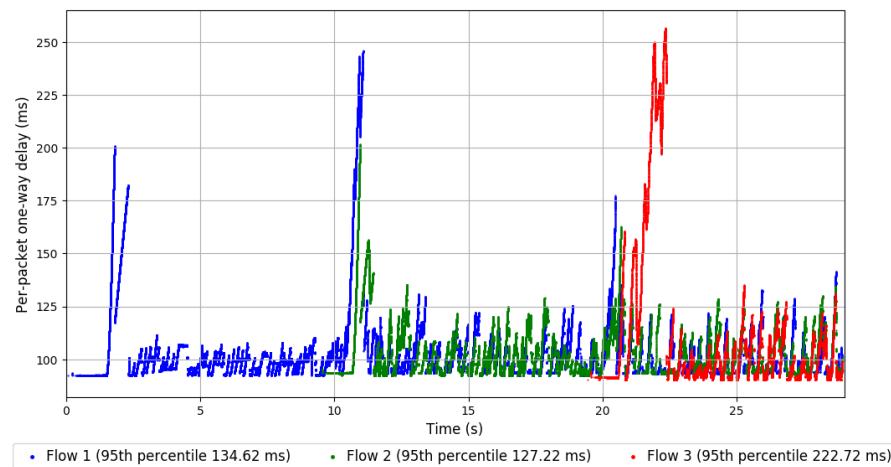
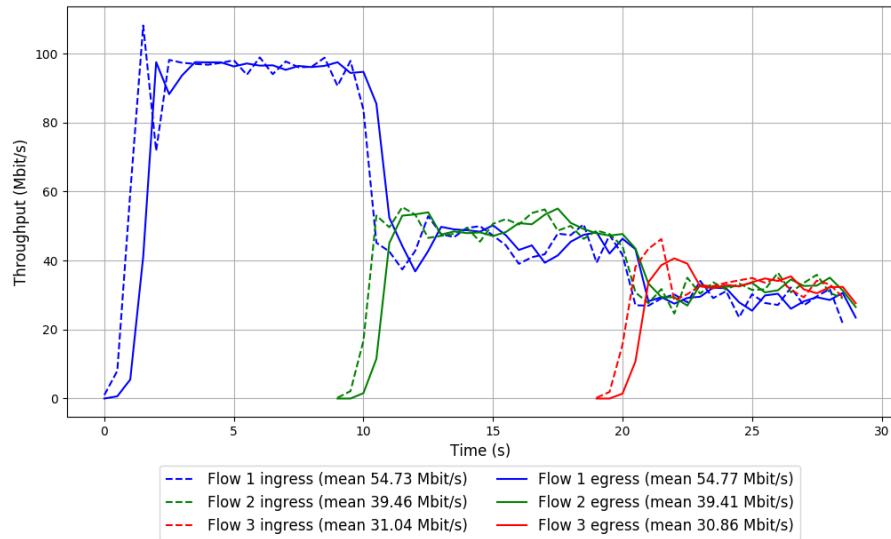


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 15:50:57
End at: 2019-12-11 15:51:27
Local clock offset: -7.197 ms
Remote clock offset: -9.637 ms

# Below is generated by plot.py at 2019-12-11 17:32:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.62 Mbit/s
95th percentile per-packet one-way delay: 141.667 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 54.77 Mbit/s
95th percentile per-packet one-way delay: 134.622 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 39.41 Mbit/s
95th percentile per-packet one-way delay: 127.223 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 30.86 Mbit/s
95th percentile per-packet one-way delay: 222.715 ms
Loss rate: 1.94%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

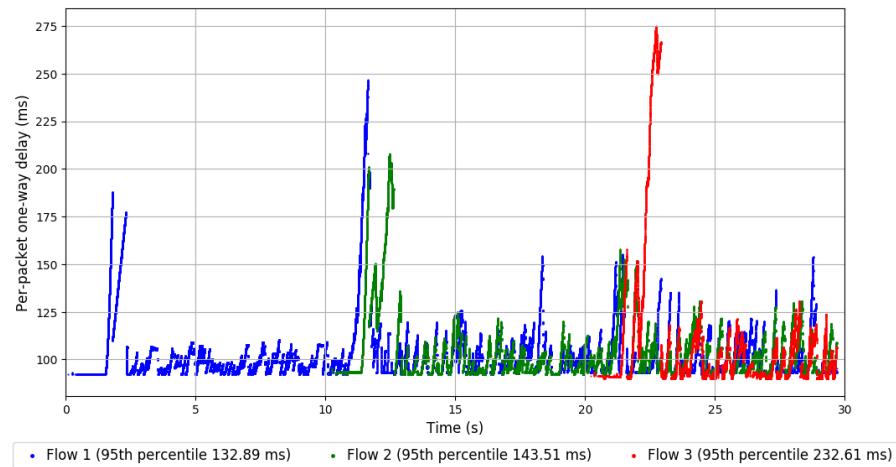
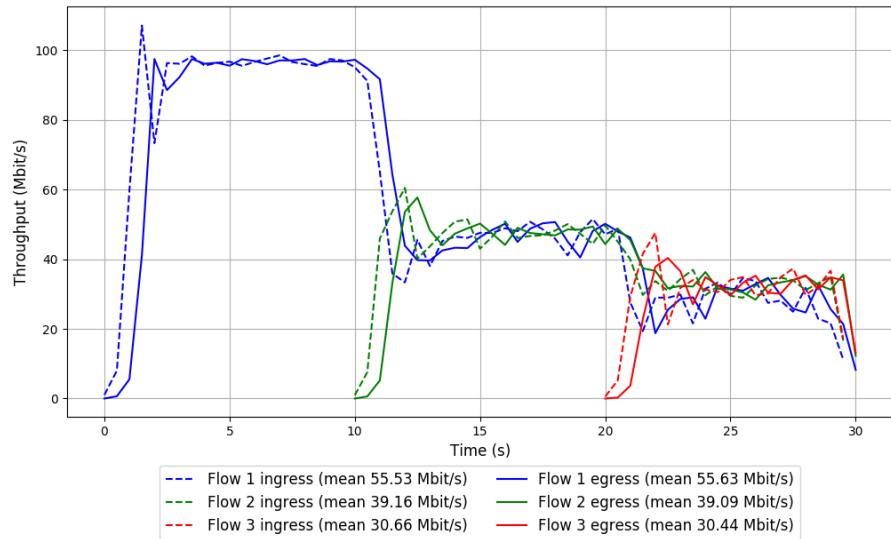


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 16:21:15
End at: 2019-12-11 16:21:45
Local clock offset: -6.893 ms
Remote clock offset: -9.844 ms

# Below is generated by plot.py at 2019-12-11 17:32:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.24 Mbit/s
95th percentile per-packet one-way delay: 141.325 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 55.63 Mbit/s
95th percentile per-packet one-way delay: 132.893 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 39.09 Mbit/s
95th percentile per-packet one-way delay: 143.514 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 30.44 Mbit/s
95th percentile per-packet one-way delay: 232.606 ms
Loss rate: 2.15%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

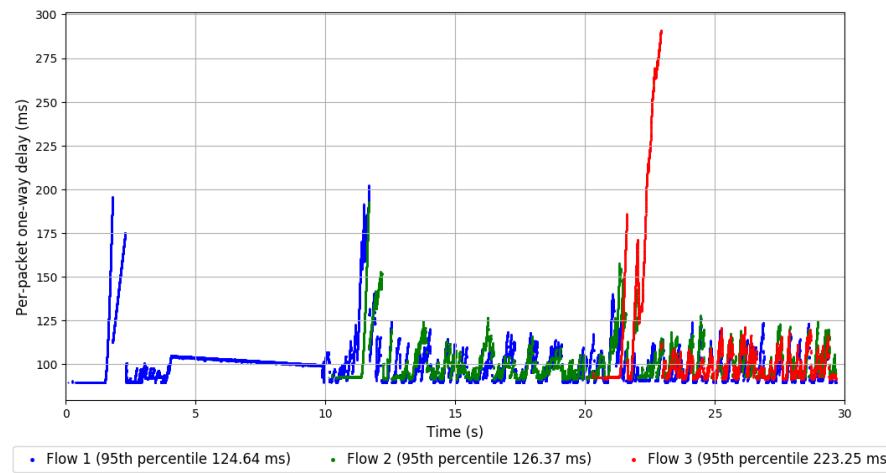
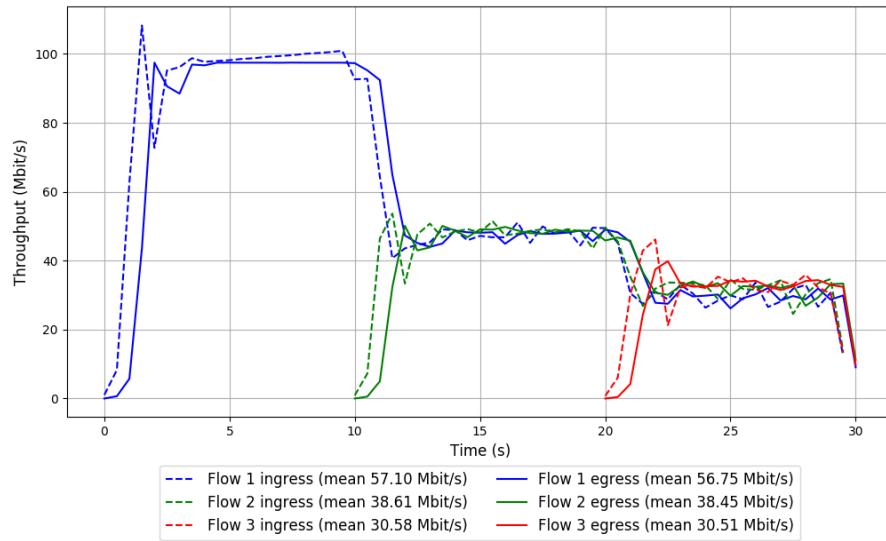


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 16:51:30
End at: 2019-12-11 16:52:00
Local clock offset: -6.351 ms
Remote clock offset: -9.176 ms

# Below is generated by plot.py at 2019-12-11 17:32:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 132.652 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 124.639 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 38.45 Mbit/s
95th percentile per-packet one-way delay: 126.371 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 223.249 ms
Loss rate: 1.73%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

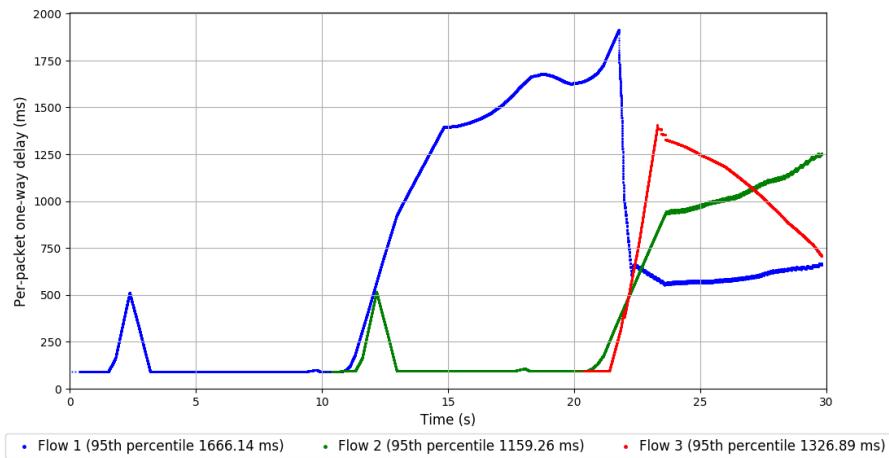
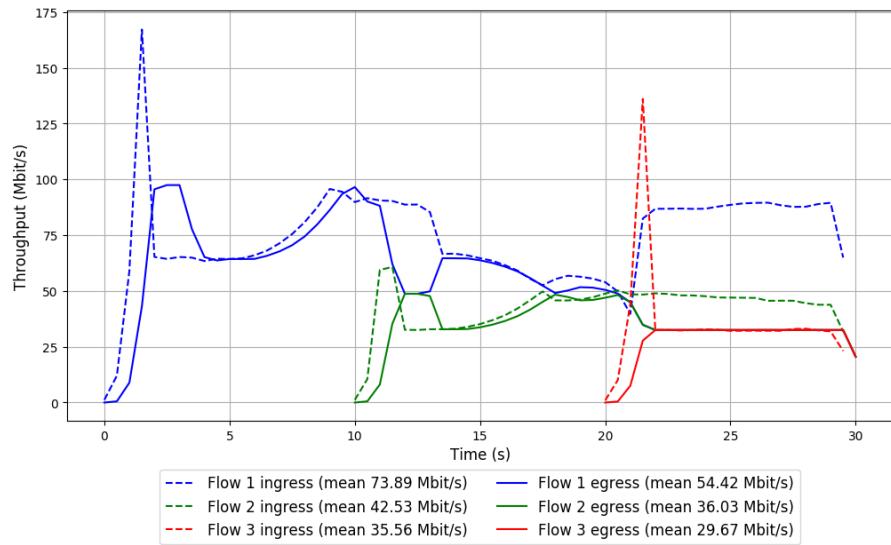


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-12-11 15:01:46
End at: 2019-12-11 15:02:16
Local clock offset: -7.647 ms
Remote clock offset: -9.484 ms

# Below is generated by plot.py at 2019-12-11 17:33:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.01 Mbit/s
95th percentile per-packet one-way delay: 1640.000 ms
Loss rate: 23.08%
-- Flow 1:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 1666.145 ms
Loss rate: 26.69%
-- Flow 2:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 1159.256 ms
Loss rate: 15.87%
-- Flow 3:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 1326.895 ms
Loss rate: 17.74%
```

Run 1: Report of PCC-Allegro — Data Link

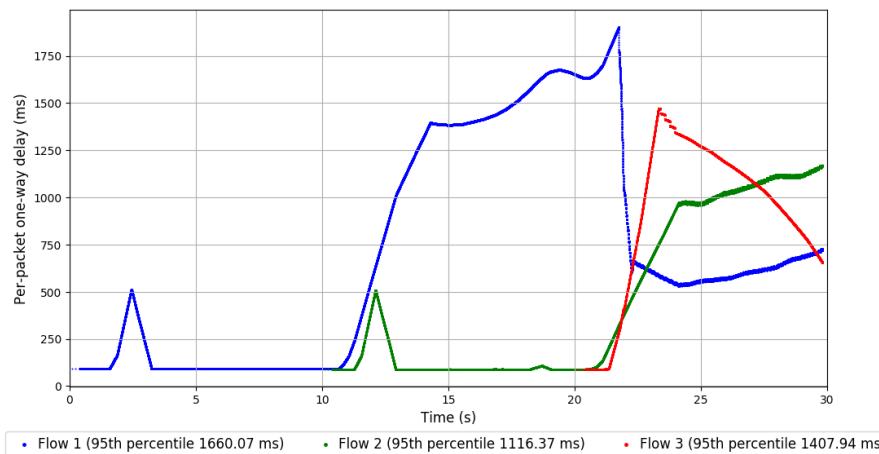
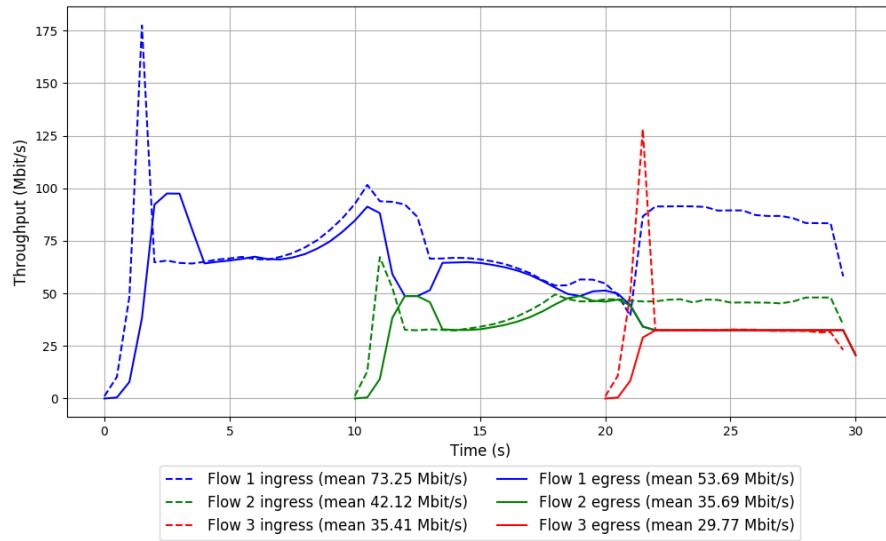


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-12-11 15:32:01
End at: 2019-12-11 15:32:31
Local clock offset: -7.231 ms
Remote clock offset: -9.07 ms

# Below is generated by plot.py at 2019-12-11 17:33:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.10 Mbit/s
95th percentile per-packet one-way delay: 1634.177 ms
Loss rate: 23.24%
-- Flow 1:
Average throughput: 53.69 Mbit/s
95th percentile per-packet one-way delay: 1660.072 ms
Loss rate: 27.05%
-- Flow 2:
Average throughput: 35.69 Mbit/s
95th percentile per-packet one-way delay: 1116.366 ms
Loss rate: 15.84%
-- Flow 3:
Average throughput: 29.77 Mbit/s
95th percentile per-packet one-way delay: 1407.945 ms
Loss rate: 17.11%
```

Run 2: Report of PCC-Allegro — Data Link

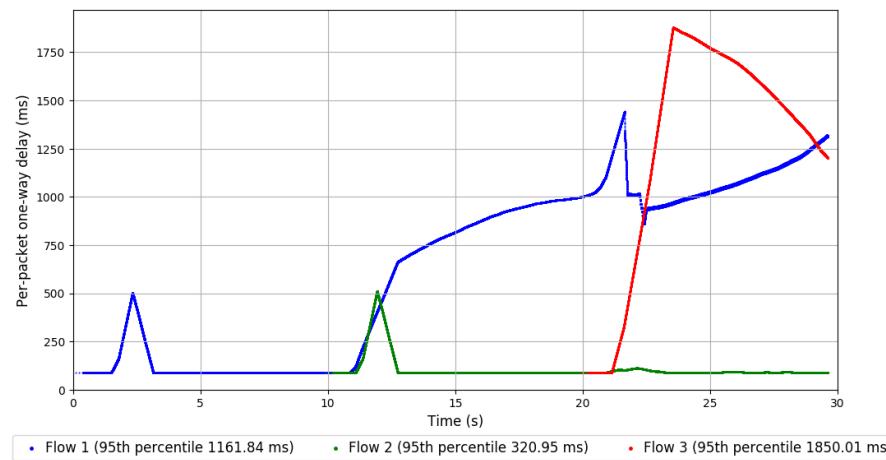
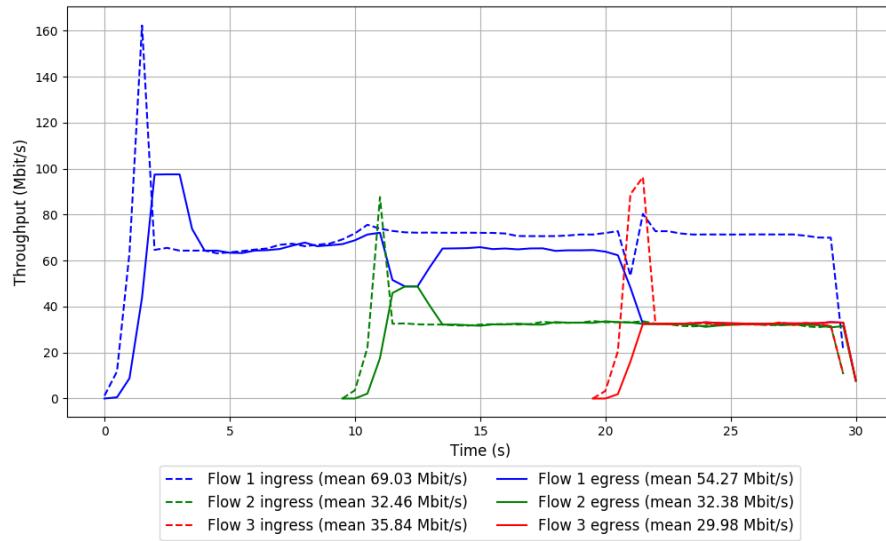


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-12-11 16:02:18
End at: 2019-12-11 16:02:48
Local clock offset: -7.736 ms
Remote clock offset: -8.8 ms

# Below is generated by plot.py at 2019-12-11 17:33:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.74 Mbit/s
95th percentile per-packet one-way delay: 1573.233 ms
Loss rate: 16.85%
-- Flow 1:
Average throughput: 54.27 Mbit/s
95th percentile per-packet one-way delay: 1161.840 ms
Loss rate: 21.73%
-- Flow 2:
Average throughput: 32.38 Mbit/s
95th percentile per-packet one-way delay: 320.946 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 29.98 Mbit/s
95th percentile per-packet one-way delay: 1850.014 ms
Loss rate: 17.52%
```

Run 3: Report of PCC-Allegro — Data Link

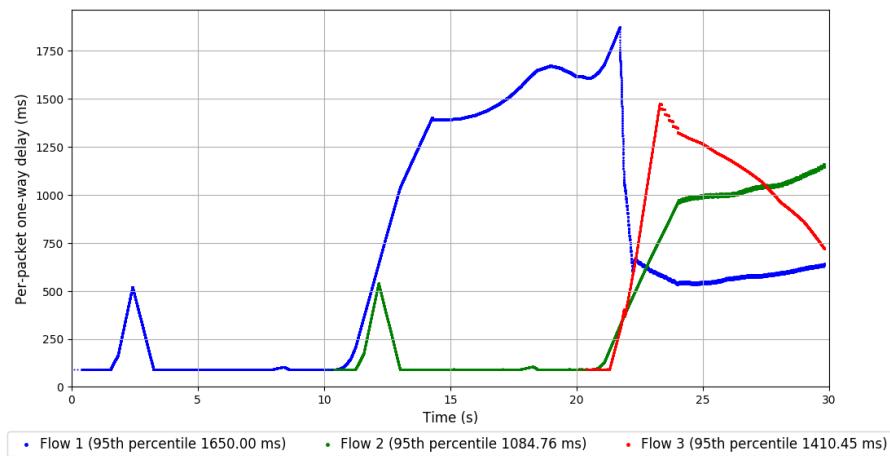
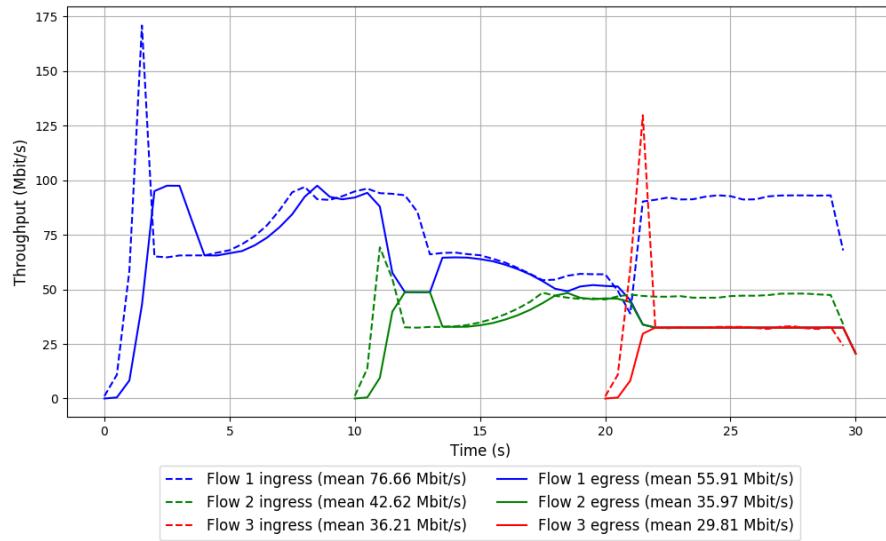


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-12-11 16:32:37
End at: 2019-12-11 16:33:07
Local clock offset: -6.692 ms
Remote clock offset: -9.902 ms

# Below is generated by plot.py at 2019-12-11 17:33:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 1619.928 ms
Loss rate: 23.81%
-- Flow 1:
Average throughput: 55.91 Mbit/s
95th percentile per-packet one-way delay: 1650.000 ms
Loss rate: 27.41%
-- Flow 2:
Average throughput: 35.97 Mbit/s
95th percentile per-packet one-way delay: 1084.759 ms
Loss rate: 16.18%
-- Flow 3:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 1410.449 ms
Loss rate: 18.84%
```

Run 4: Report of PCC-Allegro — Data Link

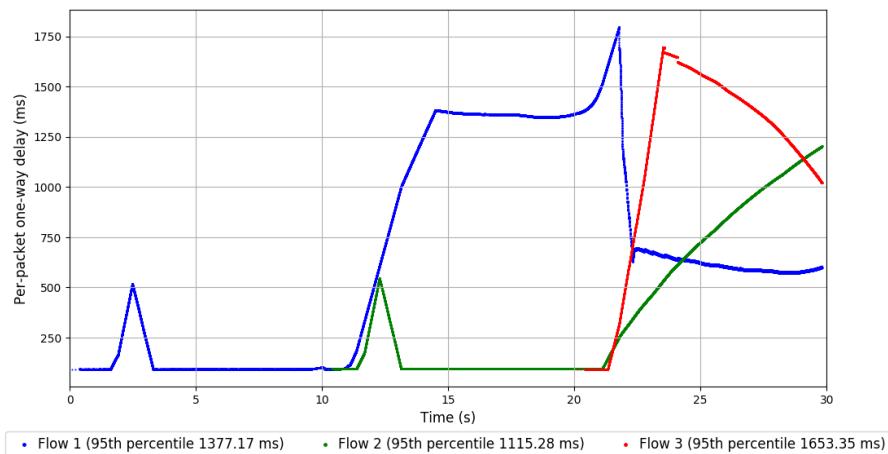
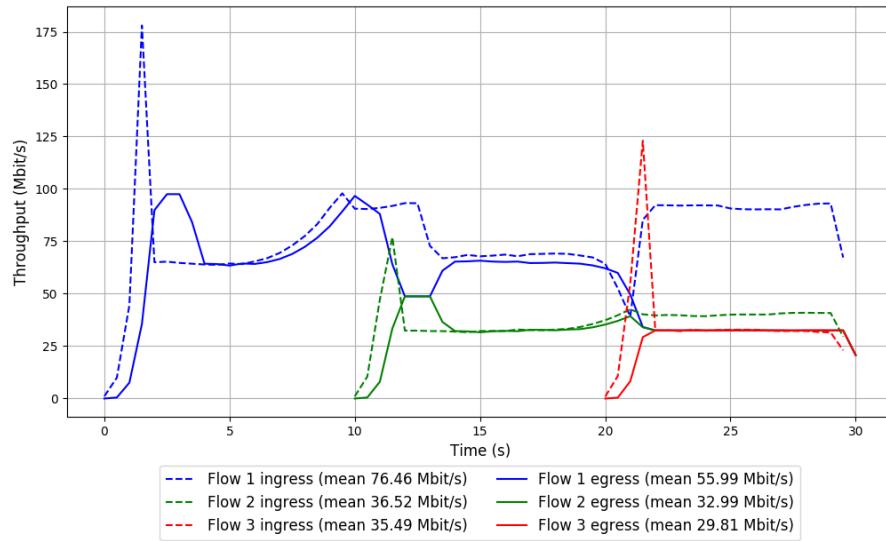


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-12-11 17:02:52
End at: 2019-12-11 17:03:23
Local clock offset: -5.594 ms
Remote clock offset: -8.905 ms

# Below is generated by plot.py at 2019-12-11 17:33:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.61 Mbit/s
95th percentile per-packet one-way delay: 1458.952 ms
Loss rate: 22.45%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 1377.173 ms
Loss rate: 27.12%
-- Flow 2:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 1115.280 ms
Loss rate: 10.29%
-- Flow 3:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 1653.350 ms
Loss rate: 17.17%
```

Run 5: Report of PCC-Allegro — Data Link

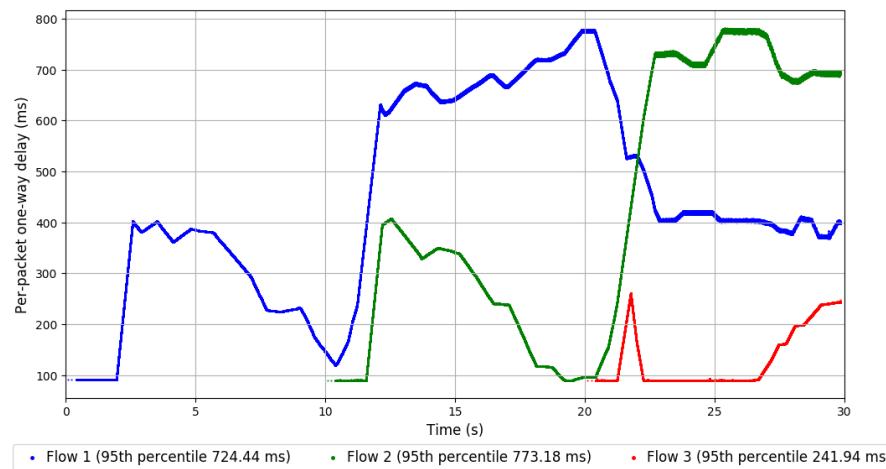
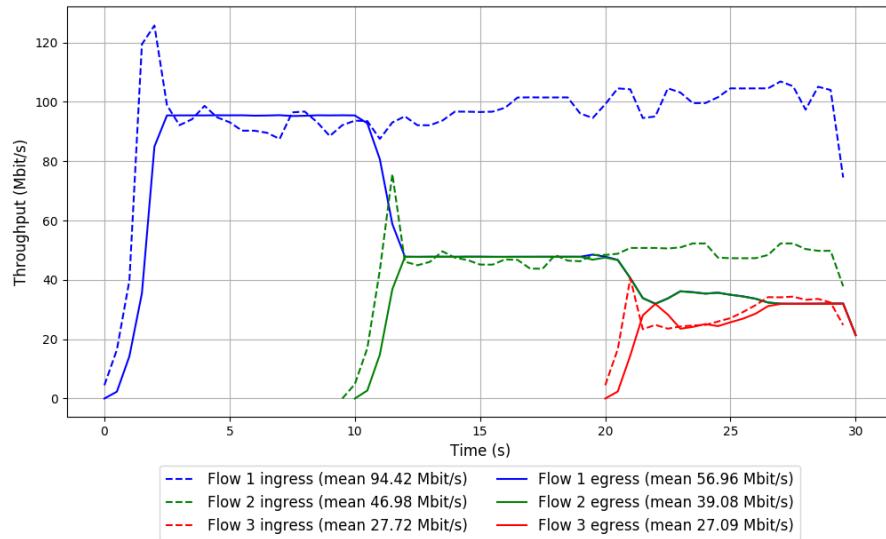


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-12-11 15:18:07
End at: 2019-12-11 15:18:37
Local clock offset: -7.18 ms
Remote clock offset: -8.84 ms

# Below is generated by plot.py at 2019-12-11 17:34:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.77 Mbit/s
95th percentile per-packet one-way delay: 735.647 ms
Loss rate: 32.26%
-- Flow 1:
Average throughput: 56.96 Mbit/s
95th percentile per-packet one-way delay: 724.444 ms
Loss rate: 39.96%
-- Flow 2:
Average throughput: 39.08 Mbit/s
95th percentile per-packet one-way delay: 773.185 ms
Loss rate: 17.39%
-- Flow 3:
Average throughput: 27.09 Mbit/s
95th percentile per-packet one-way delay: 241.936 ms
Loss rate: 3.64%
```

Run 1: Report of PCC-Expr — Data Link

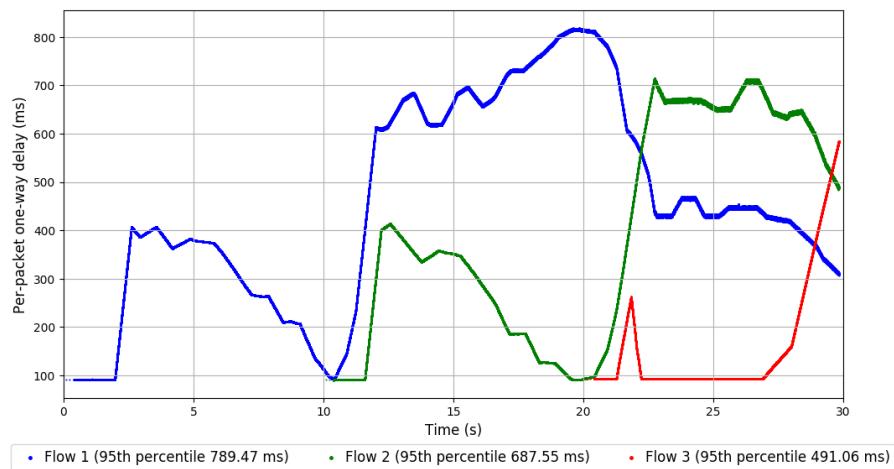
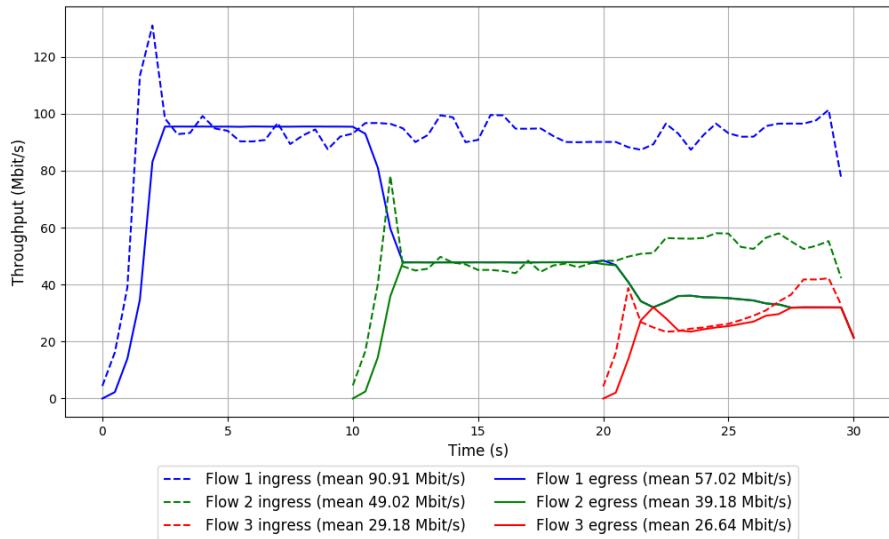


Run 2: Statistics of PCC-Expr

```
Start at: 2019-12-11 15:48:23
End at: 2019-12-11 15:48:53
Local clock offset: -7.784 ms
Remote clock offset: -9.821 ms

# Below is generated by plot.py at 2019-12-11 17:35:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 749.713 ms
Loss rate: 31.43%
-- Flow 1:
Average throughput: 57.02 Mbit/s
95th percentile per-packet one-way delay: 789.465 ms
Loss rate: 37.57%
-- Flow 2:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 687.554 ms
Loss rate: 20.62%
-- Flow 3:
Average throughput: 26.64 Mbit/s
95th percentile per-packet one-way delay: 491.063 ms
Loss rate: 10.01%
```

Run 2: Report of PCC-Expr — Data Link

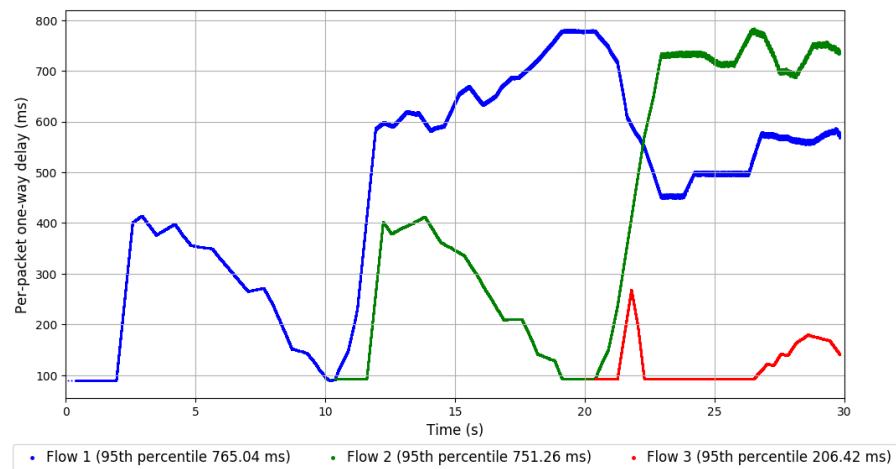
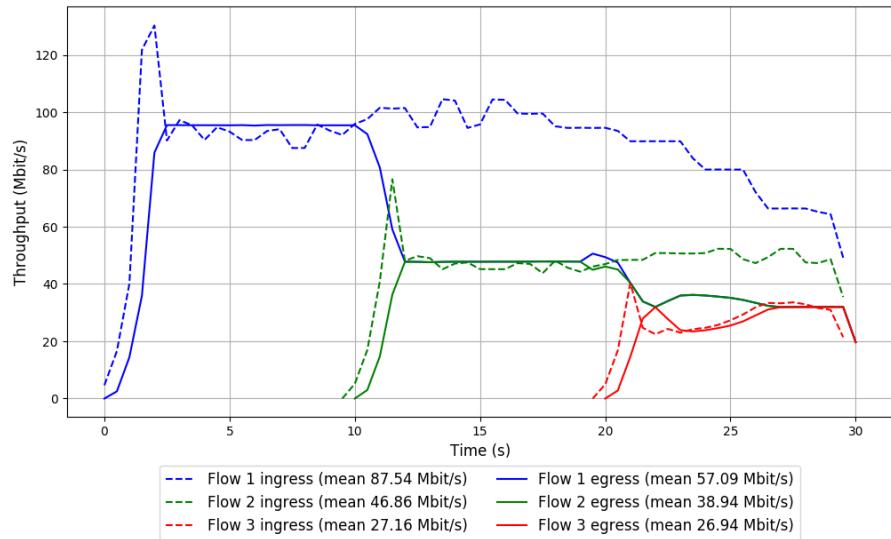


Run 3: Statistics of PCC-Expr

```
Start at: 2019-12-11 16:18:41
End at: 2019-12-11 16:19:11
Local clock offset: -6.428 ms
Remote clock offset: -8.665 ms

# Below is generated by plot.py at 2019-12-11 17:35:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.78 Mbit/s
95th percentile per-packet one-way delay: 752.701 ms
Loss rate: 28.48%
-- Flow 1:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 765.043 ms
Loss rate: 35.08%
-- Flow 2:
Average throughput: 38.94 Mbit/s
95th percentile per-packet one-way delay: 751.260 ms
Loss rate: 17.49%
-- Flow 3:
Average throughput: 26.94 Mbit/s
95th percentile per-packet one-way delay: 206.417 ms
Loss rate: 2.30%
```

Run 3: Report of PCC-Expr — Data Link

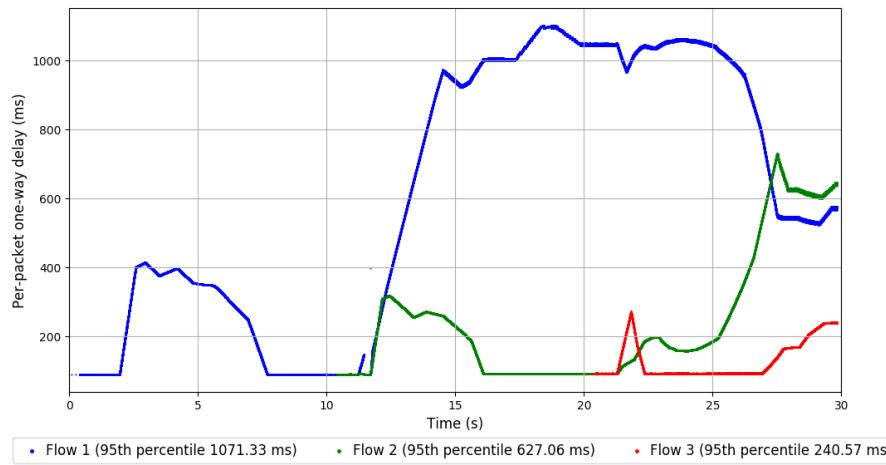
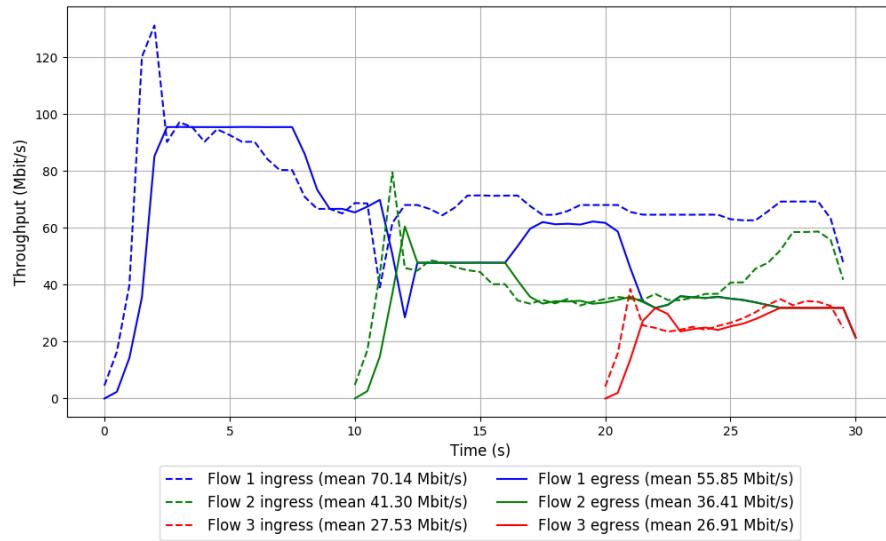


Run 4: Statistics of PCC-Expr

```
Start at: 2019-12-11 16:48:57
End at: 2019-12-11 16:49:27
Local clock offset: -5.723 ms
Remote clock offset: -9.988 ms

# Below is generated by plot.py at 2019-12-11 17:35:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.82 Mbit/s
95th percentile per-packet one-way delay: 1057.486 ms
Loss rate: 17.14%
-- Flow 1:
Average throughput: 55.85 Mbit/s
95th percentile per-packet one-way delay: 1071.330 ms
Loss rate: 20.73%
-- Flow 2:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 627.063 ms
Loss rate: 12.44%
-- Flow 3:
Average throughput: 26.91 Mbit/s
95th percentile per-packet one-way delay: 240.566 ms
Loss rate: 3.62%
```

Run 4: Report of PCC-Expr — Data Link

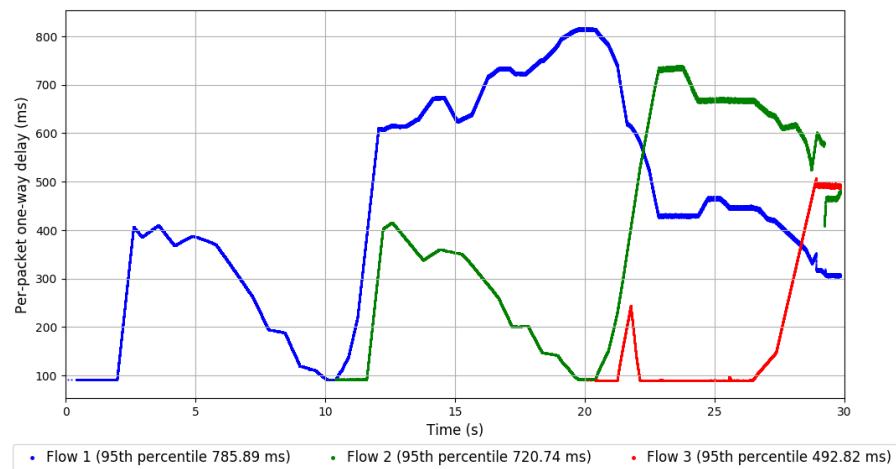
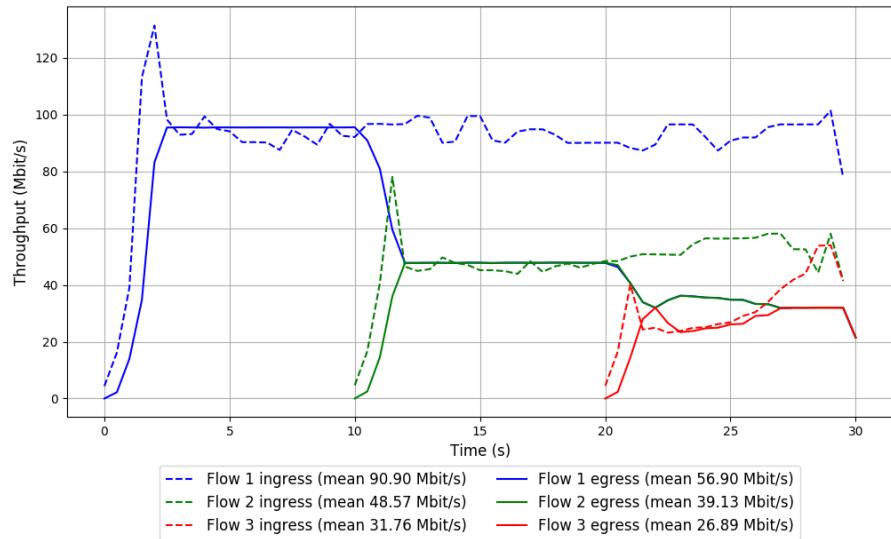


Run 5: Statistics of PCC-Expr

```
Start at: 2019-12-11 17:19:19
End at: 2019-12-11 17:19:49
Local clock offset: -6.993 ms
Remote clock offset: -8.242 ms

# Below is generated by plot.py at 2019-12-11 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 744.073 ms
Loss rate: 31.75%
-- Flow 1:
Average throughput: 56.90 Mbit/s
95th percentile per-packet one-way delay: 785.887 ms
Loss rate: 37.69%
-- Flow 2:
Average throughput: 39.13 Mbit/s
95th percentile per-packet one-way delay: 720.740 ms
Loss rate: 20.00%
-- Flow 3:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 492.824 ms
Loss rate: 16.52%
```

Run 5: Report of PCC-Expr — Data Link

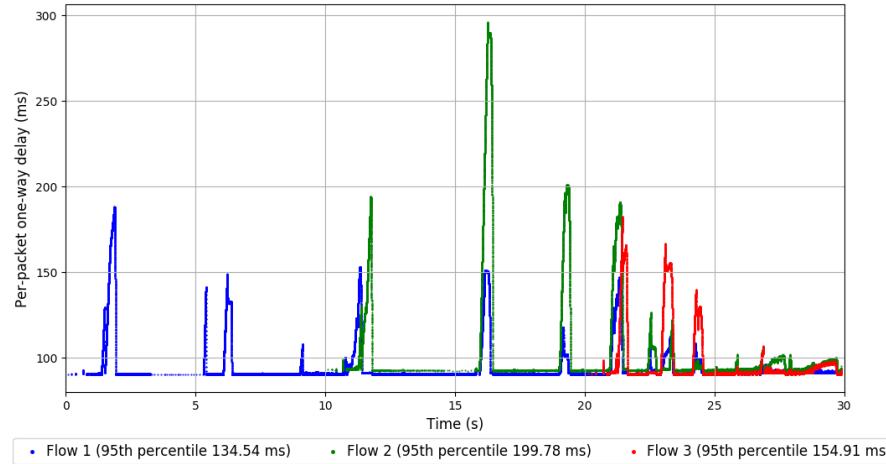
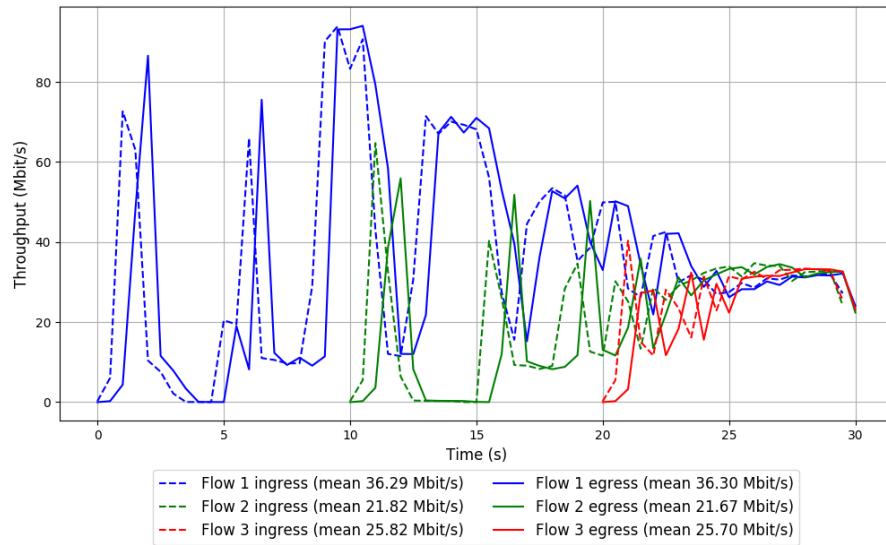


Run 1: Statistics of QUIC Cubic

```
Start at: 2019-12-11 15:19:26
End at: 2019-12-11 15:19:56
Local clock offset: -6.444 ms
Remote clock offset: -9.229 ms

# Below is generated by plot.py at 2019-12-11 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 158.033 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 134.538 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 21.67 Mbit/s
95th percentile per-packet one-way delay: 199.778 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 25.70 Mbit/s
95th percentile per-packet one-way delay: 154.906 ms
Loss rate: 1.84%
```

Run 1: Report of QUIC Cubic — Data Link

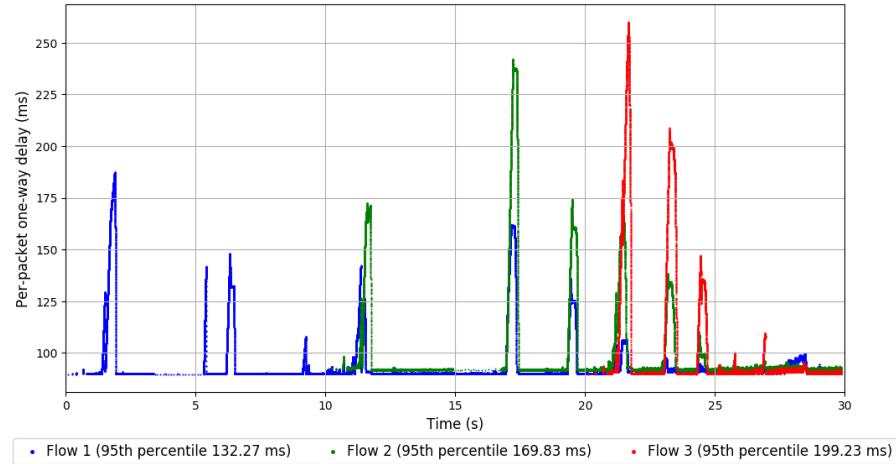
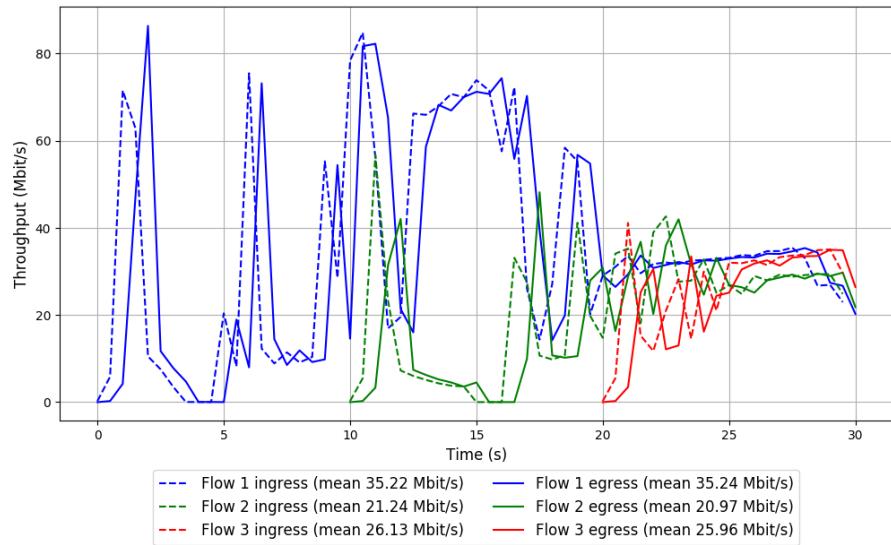


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-12-11 15:49:42
End at: 2019-12-11 15:50:12
Local clock offset: -7.152 ms
Remote clock offset: -9.039 ms

# Below is generated by plot.py at 2019-12-11 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.66 Mbit/s
95th percentile per-packet one-way delay: 160.958 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 35.24 Mbit/s
95th percentile per-packet one-way delay: 132.270 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 169.827 ms
Loss rate: 1.96%
-- Flow 3:
Average throughput: 25.96 Mbit/s
95th percentile per-packet one-way delay: 199.233 ms
Loss rate: 2.04%
```

Run 2: Report of QUIC Cubic — Data Link

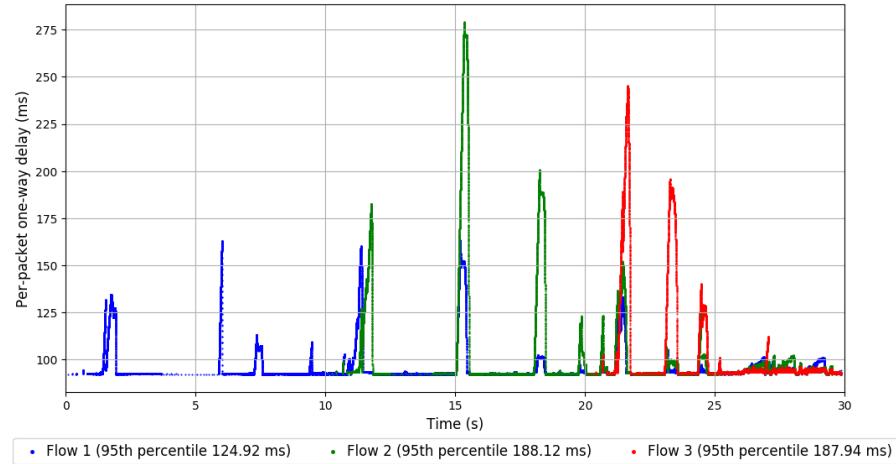
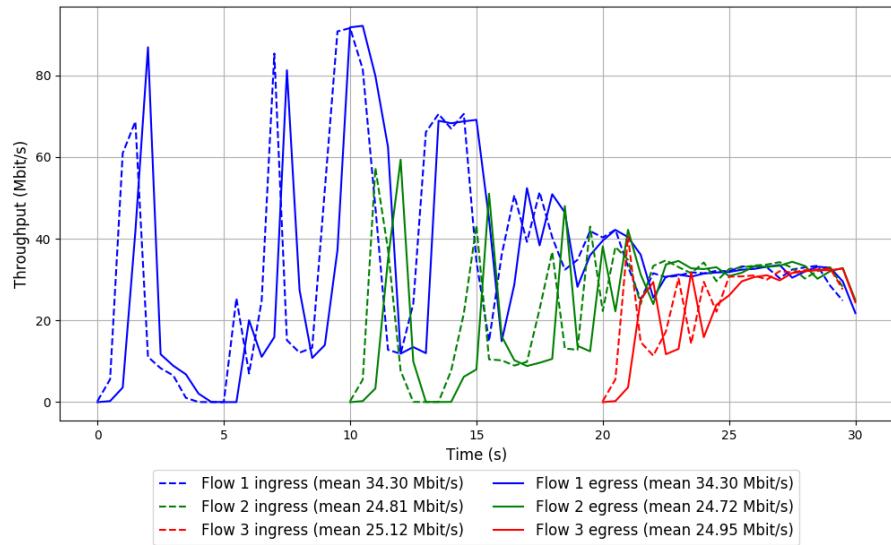


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-12-11 16:20:00
End at: 2019-12-11 16:20:30
Local clock offset: -6.296 ms
Remote clock offset: -9.426 ms

# Below is generated by plot.py at 2019-12-11 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.89 Mbit/s
95th percentile per-packet one-way delay: 150.550 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 34.30 Mbit/s
95th percentile per-packet one-way delay: 124.917 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 188.119 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 187.937 ms
Loss rate: 2.05%
```

Run 3: Report of QUIC Cubic — Data Link

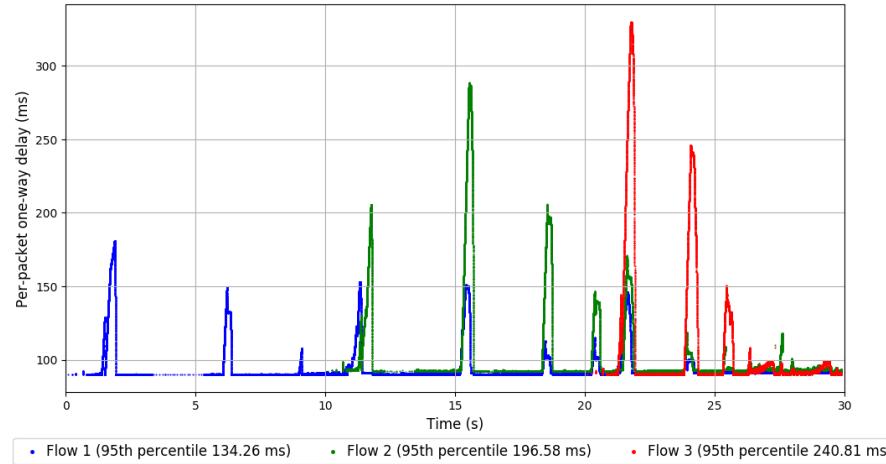
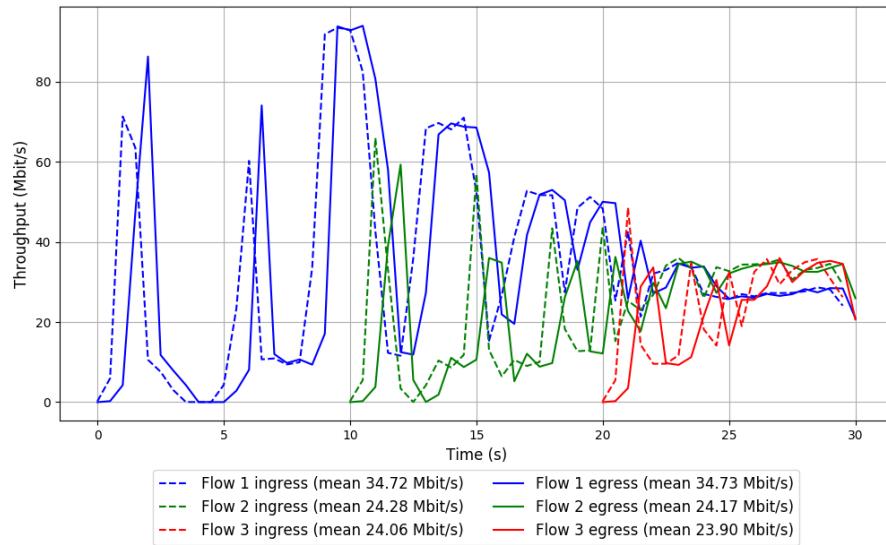


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-12-11 16:50:16
End at: 2019-12-11 16:50:46
Local clock offset: -6.356 ms
Remote clock offset: -9.887 ms

# Below is generated by plot.py at 2019-12-11 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 165.359 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 134.264 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 196.577 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 240.812 ms
Loss rate: 2.08%
```

Run 4: Report of QUIC Cubic — Data Link

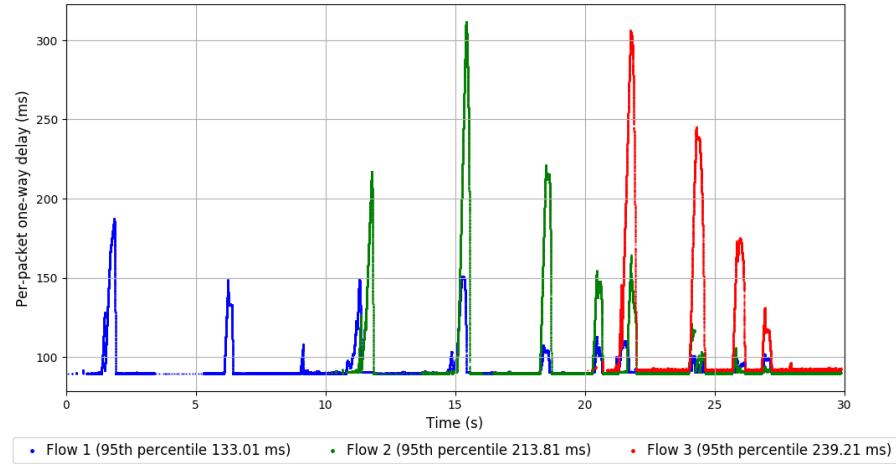
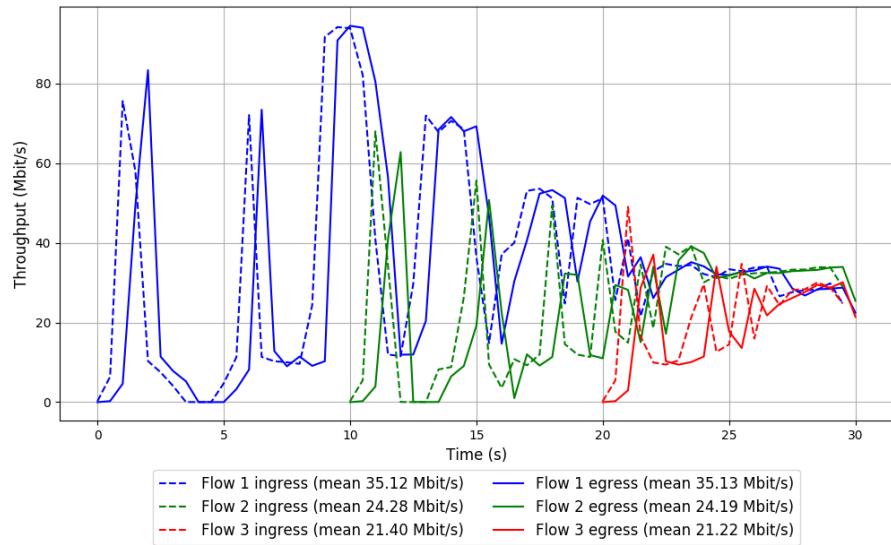


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-12-11 17:20:38
End at: 2019-12-11 17:21:08
Local clock offset: -7.1 ms
Remote clock offset: -8.788 ms

# Below is generated by plot.py at 2019-12-11 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.14 Mbit/s
95th percentile per-packet one-way delay: 174.598 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 133.006 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 213.806 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 21.22 Mbit/s
95th percentile per-packet one-way delay: 239.209 ms
Loss rate: 2.23%
```

Run 5: Report of QUIC Cubic — Data Link

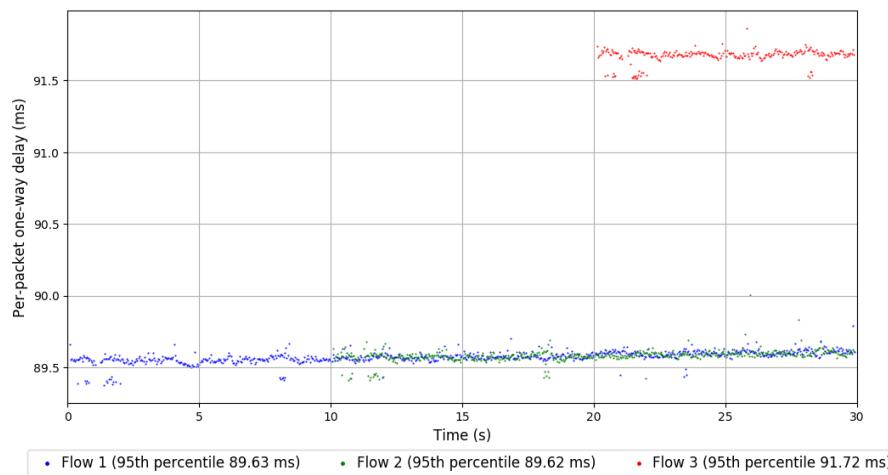
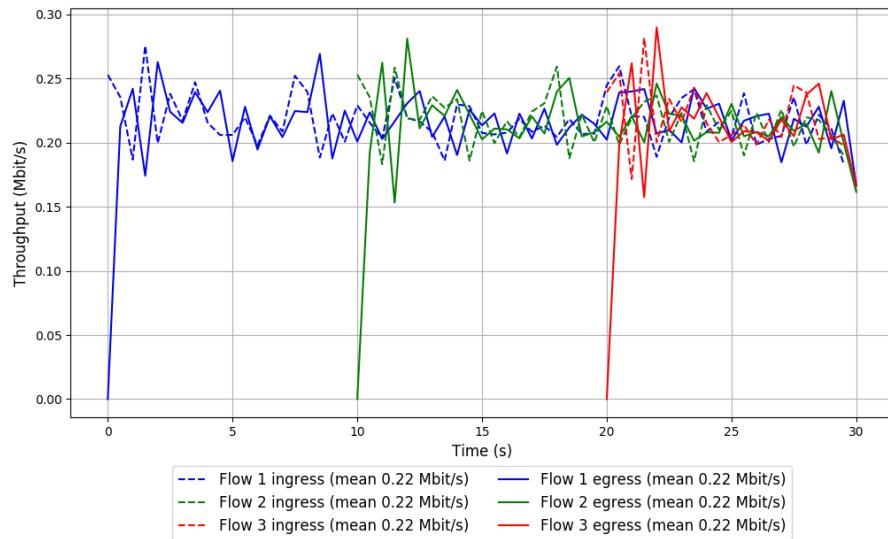


```
Run 1: Statistics of SCReAM

Start at: 2019-12-11 15:03:02
End at: 2019-12-11 15:03:32
Local clock offset: -7.761 ms
Remote clock offset: -8.669 ms

# Below is generated by plot.py at 2019-12-11 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 91.694 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.626 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.625 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.721 ms
Loss rate: 1.45%
```

Run 1: Report of SCReAM — Data Link

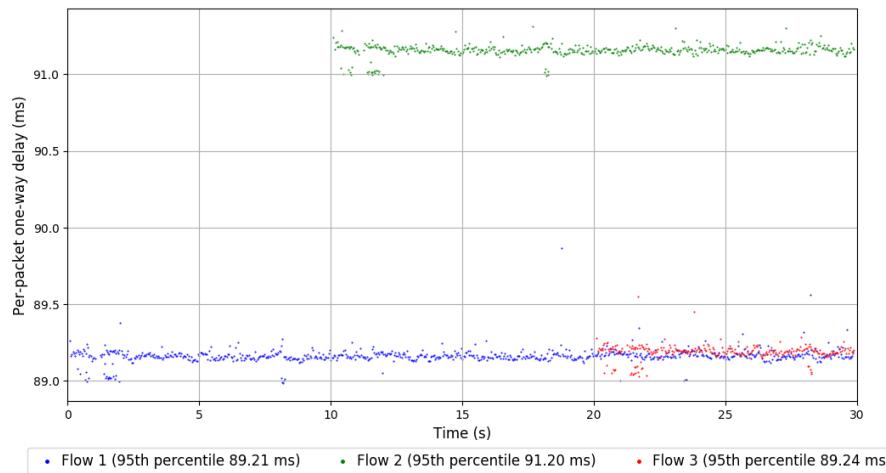
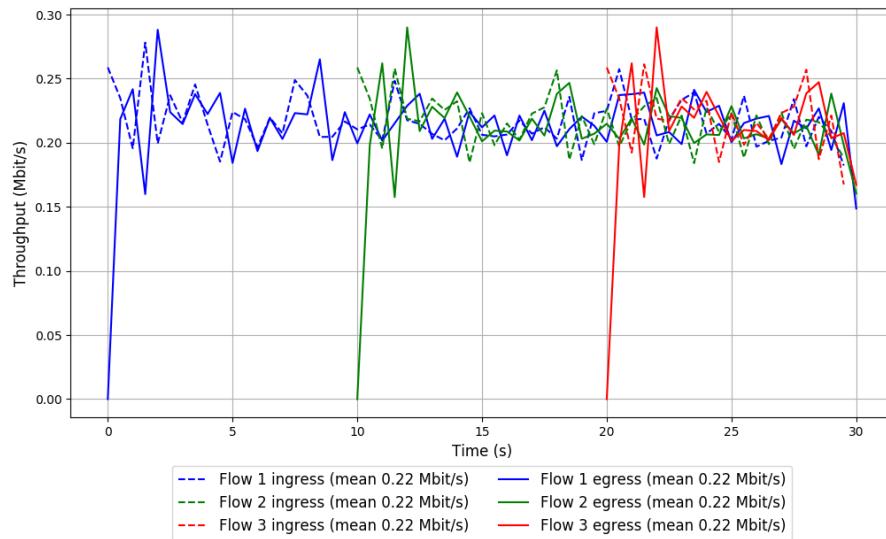


Run 2: Statistics of SCReAM

```
Start at: 2019-12-11 15:33:16
End at: 2019-12-11 15:33:46
Local clock offset: -7.27 ms
Remote clock offset: -9.042 ms

# Below is generated by plot.py at 2019-12-11 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 91.181 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.214 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.205 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.239 ms
Loss rate: 1.10%
```

Run 2: Report of SCReAM — Data Link

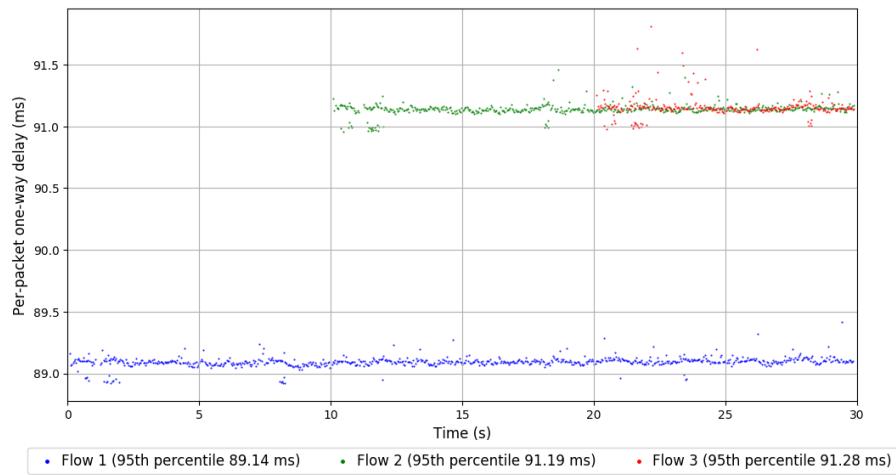
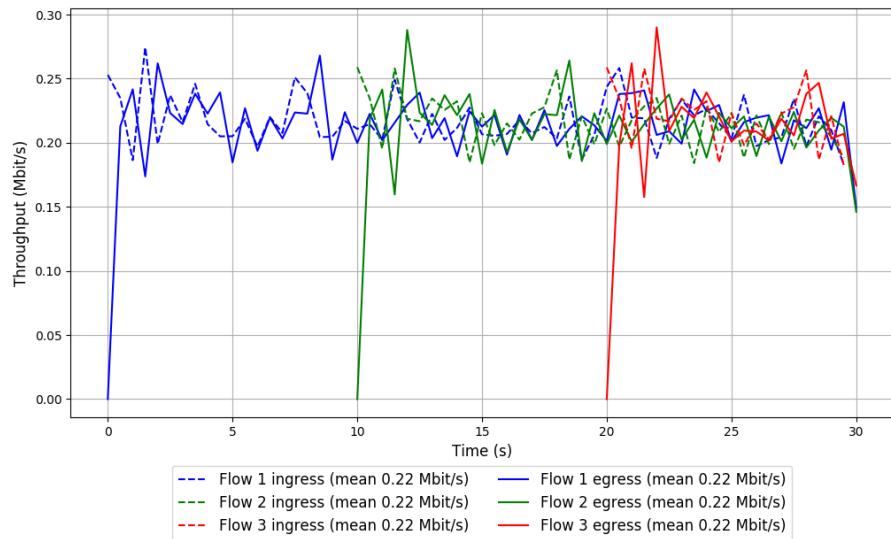


Run 3: Statistics of SCReAM

```
Start at: 2019-12-11 16:03:34
End at: 2019-12-11 16:04:04
Local clock offset: -8.425 ms
Remote clock offset: -8.856 ms

# Below is generated by plot.py at 2019-12-11 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 91.178 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.140 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.188 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.283 ms
Loss rate: 1.45%
```

Run 3: Report of SCReAM — Data Link

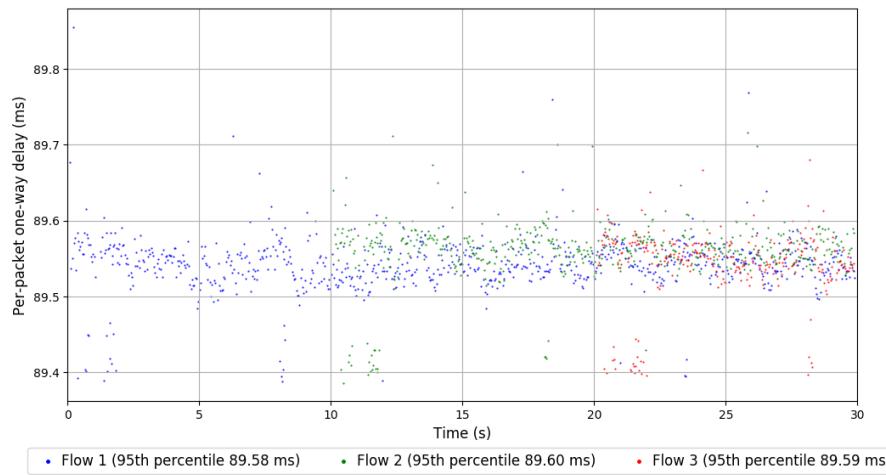
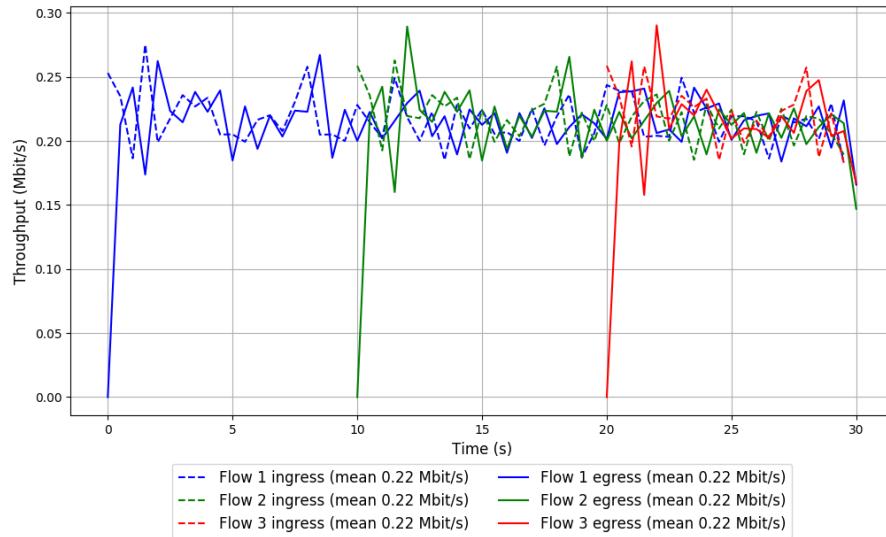


Run 4: Statistics of SCReAM

```
Start at: 2019-12-11 16:33:52
End at: 2019-12-11 16:34:22
Local clock offset: -6.612 ms
Remote clock offset: -9.251 ms

# Below is generated by plot.py at 2019-12-11 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 89.595 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.584 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.600 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.593 ms
Loss rate: 1.45%
```

Run 4: Report of SCReAM — Data Link

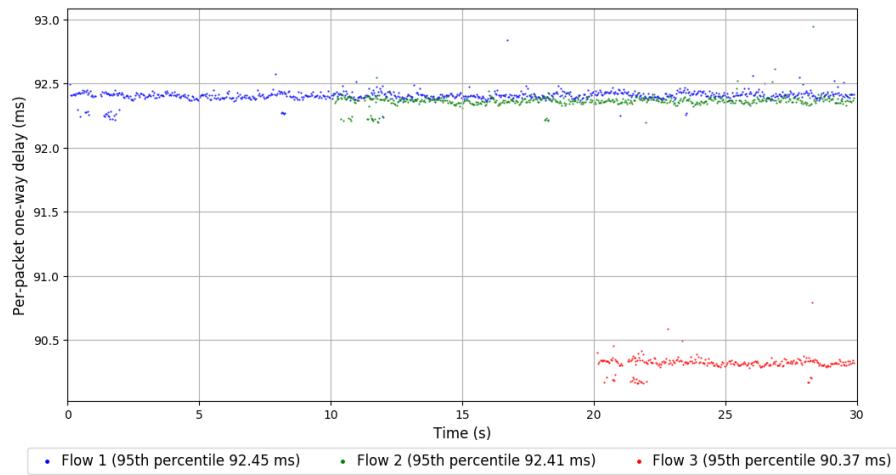
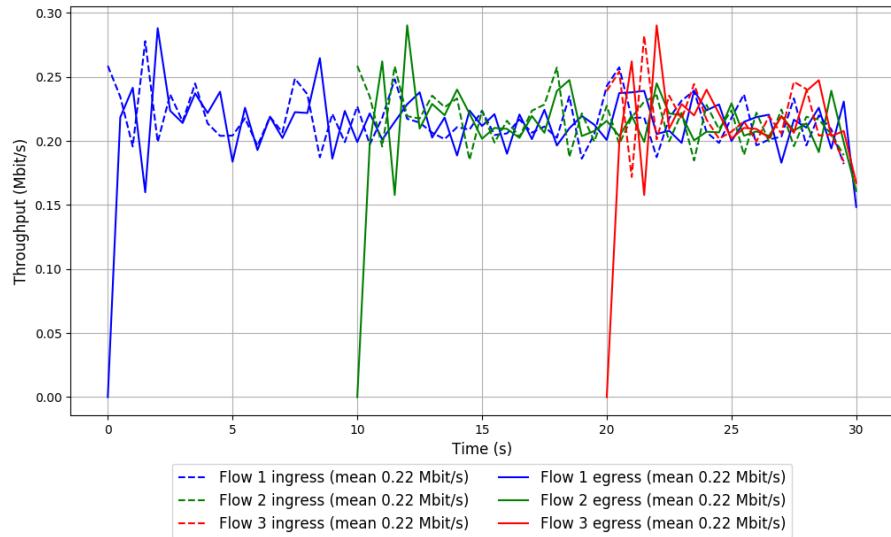


Run 5: Statistics of SCReAM

```
Start at: 2019-12-11 17:04:08
End at: 2019-12-11 17:04:38
Local clock offset: -5.608 ms
Remote clock offset: -8.939 ms

# Below is generated by plot.py at 2019-12-11 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 92.439 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 92.450 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 92.405 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.367 ms
Loss rate: 1.10%
```

Run 5: Report of SCReAM — Data Link

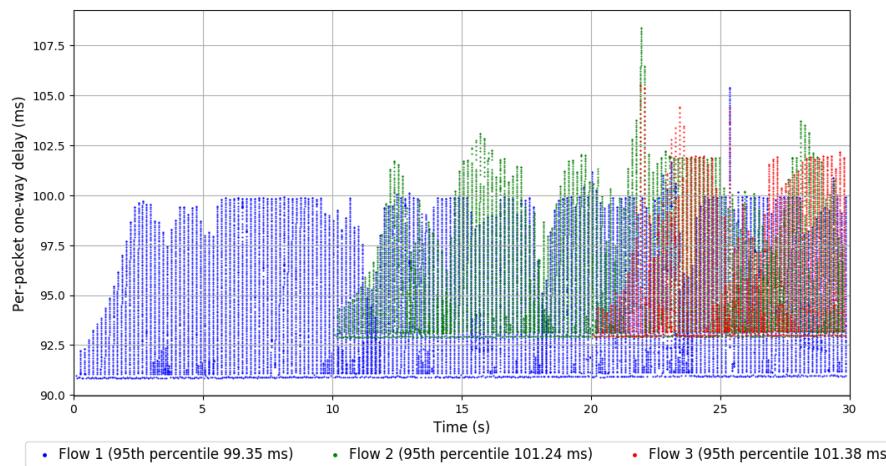
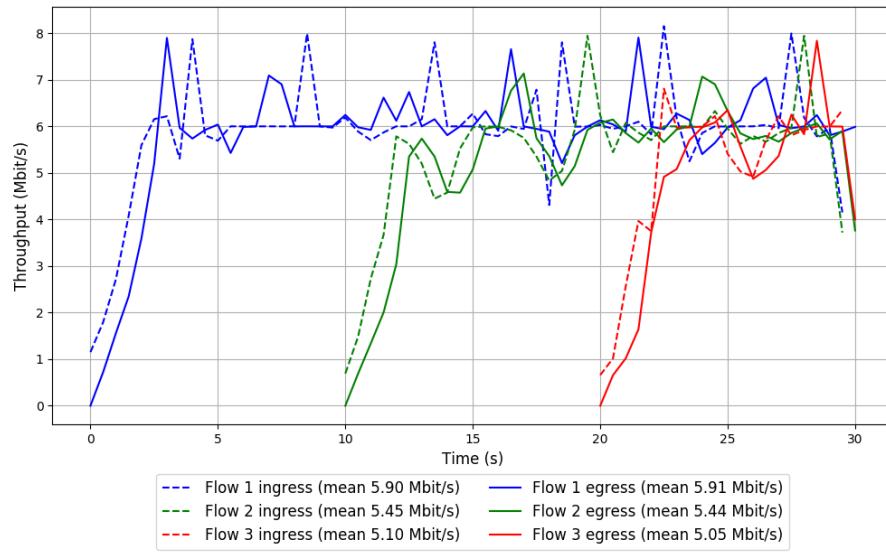


Run 1: Statistics of Sprout

```
Start at: 2019-12-11 14:54:11
End at: 2019-12-11 14:54:41
Local clock offset: -5.659 ms
Remote clock offset: -9.57 ms

# Below is generated by plot.py at 2019-12-11 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 100.398 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 5.91 Mbit/s
95th percentile per-packet one-way delay: 99.349 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 5.44 Mbit/s
95th percentile per-packet one-way delay: 101.239 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 5.05 Mbit/s
95th percentile per-packet one-way delay: 101.376 ms
Loss rate: 2.34%
```

Run 1: Report of Sprout — Data Link

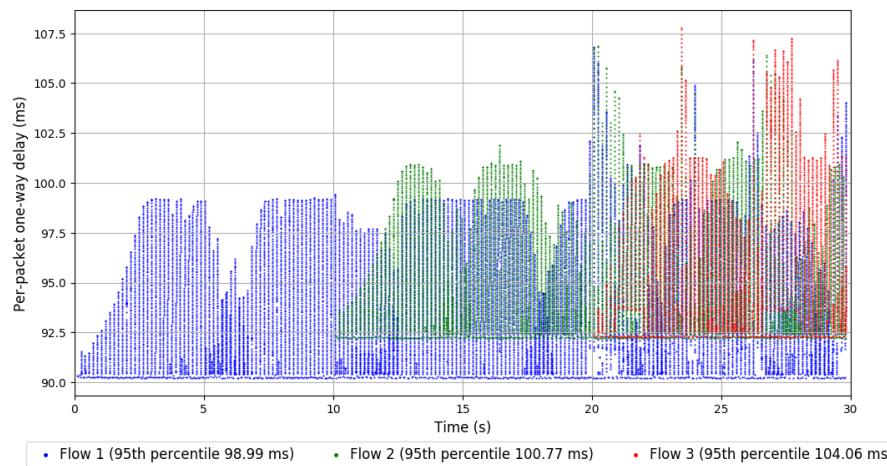
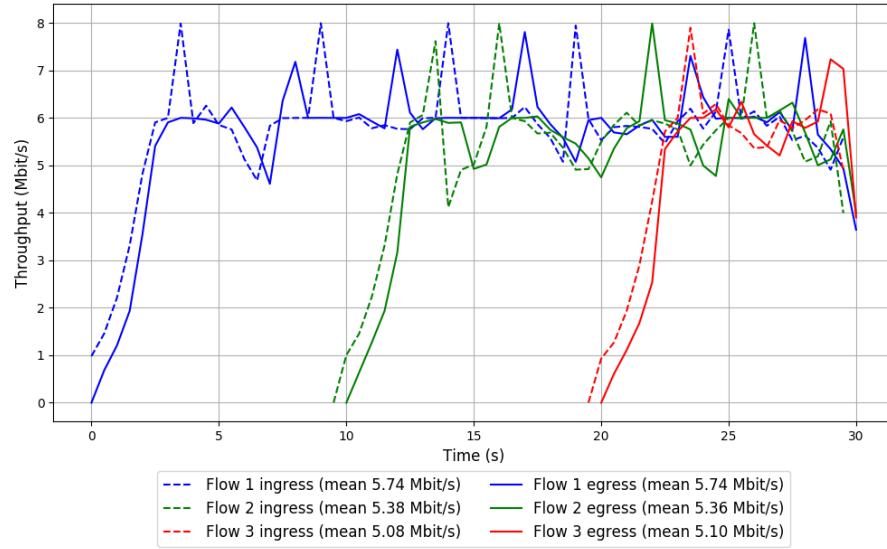


Run 2: Statistics of Sprout

```
Start at: 2019-12-11 15:24:26
End at: 2019-12-11 15:24:57
Local clock offset: -6.382 ms
Remote clock offset: -9.372 ms

# Below is generated by plot.py at 2019-12-11 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 100.775 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 5.74 Mbit/s
95th percentile per-packet one-way delay: 98.990 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 5.36 Mbit/s
95th percentile per-packet one-way delay: 100.774 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 5.10 Mbit/s
95th percentile per-packet one-way delay: 104.059 ms
Loss rate: 0.99%
```

Run 2: Report of Sprout — Data Link

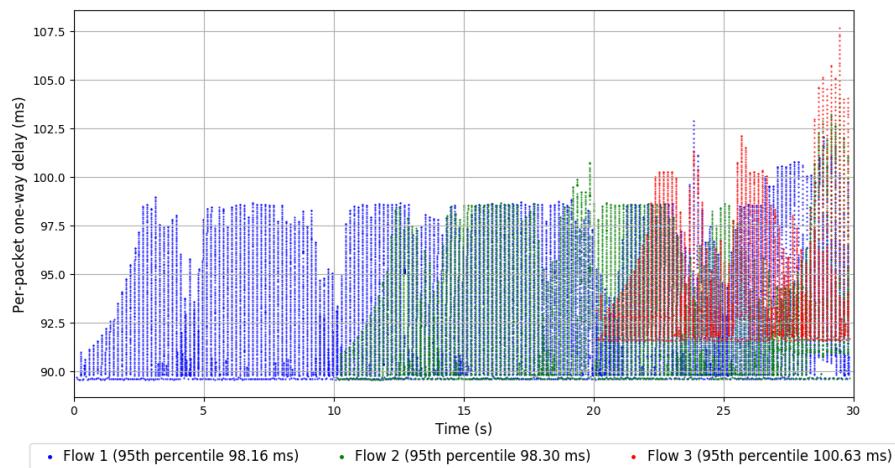
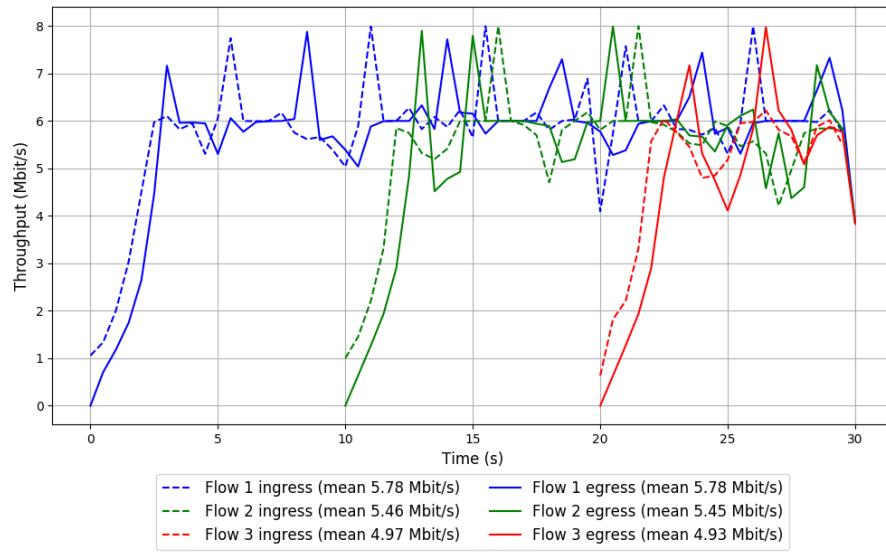


Run 3: Statistics of Sprout

```
Start at: 2019-12-11 15:54:44
End at: 2019-12-11 15:55:14
Local clock offset: -8.049 ms
Remote clock offset: -9.545 ms

# Below is generated by plot.py at 2019-12-11 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.00 Mbit/s
95th percentile per-packet one-way delay: 98.479 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 5.78 Mbit/s
95th percentile per-packet one-way delay: 98.158 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 98.295 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 4.93 Mbit/s
95th percentile per-packet one-way delay: 100.628 ms
Loss rate: 1.97%
```

Run 3: Report of Sprout — Data Link

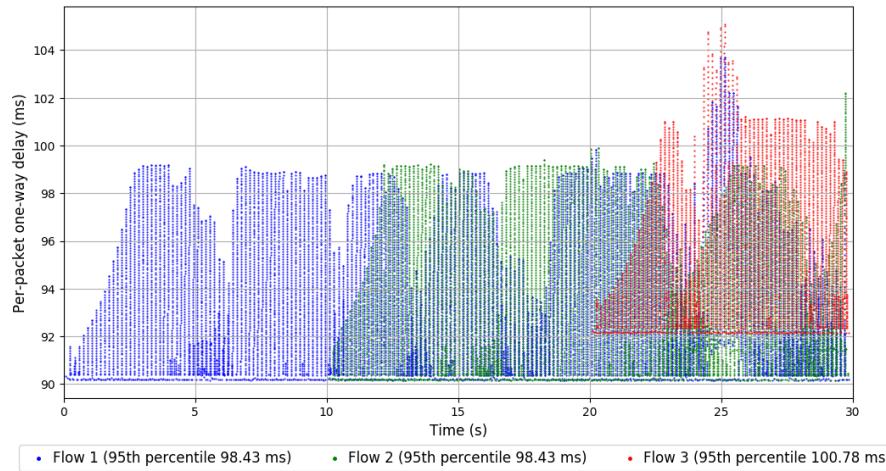
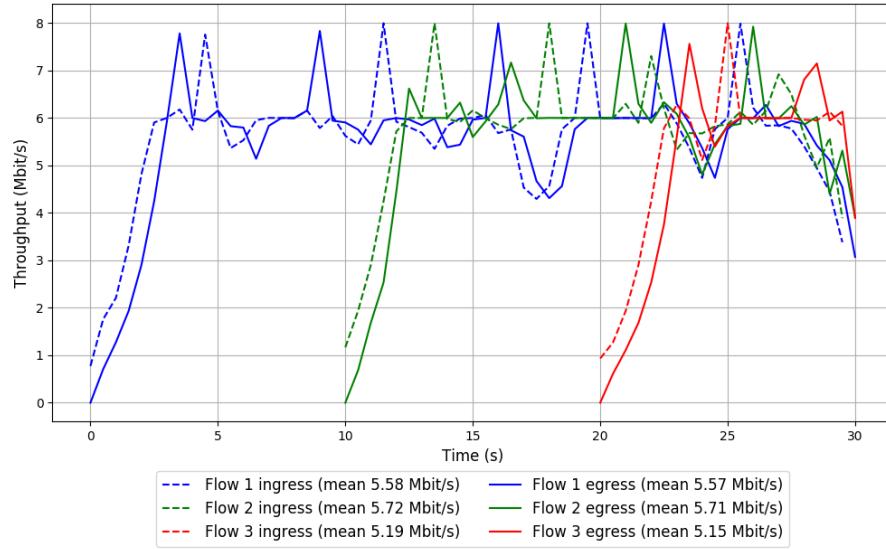


Run 4: Statistics of Sprout

```
Start at: 2019-12-11 16:25:02
End at: 2019-12-11 16:25:32
Local clock offset: -6.057 ms
Remote clock offset: -9.302 ms

# Below is generated by plot.py at 2019-12-11 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.05 Mbit/s
95th percentile per-packet one-way delay: 98.852 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 5.57 Mbit/s
95th percentile per-packet one-way delay: 98.426 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 5.71 Mbit/s
95th percentile per-packet one-way delay: 98.428 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 5.15 Mbit/s
95th percentile per-packet one-way delay: 100.785 ms
Loss rate: 1.90%
```

Run 4: Report of Sprout — Data Link

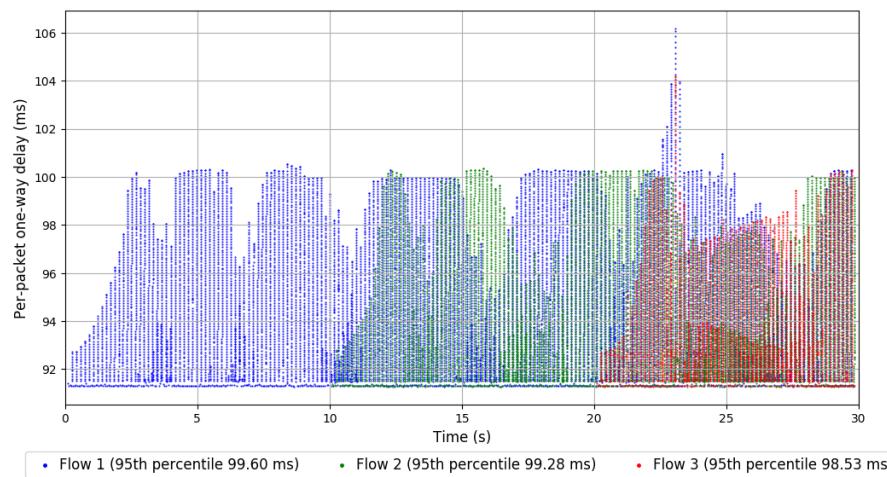
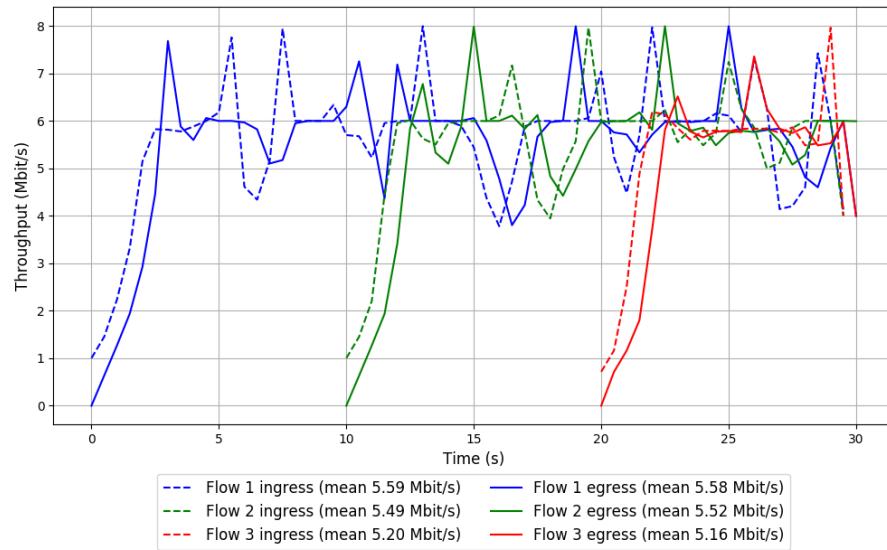


Run 5: Statistics of Sprout

```
Start at: 2019-12-11 16:55:18
End at: 2019-12-11 16:55:48
Local clock offset: -6.301 ms
Remote clock offset: -9.101 ms

# Below is generated by plot.py at 2019-12-11 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 99.399 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 99.601 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 5.52 Mbit/s
95th percentile per-packet one-way delay: 99.282 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.16 Mbit/s
95th percentile per-packet one-way delay: 98.534 ms
Loss rate: 1.95%
```

Run 5: Report of Sprout — Data Link

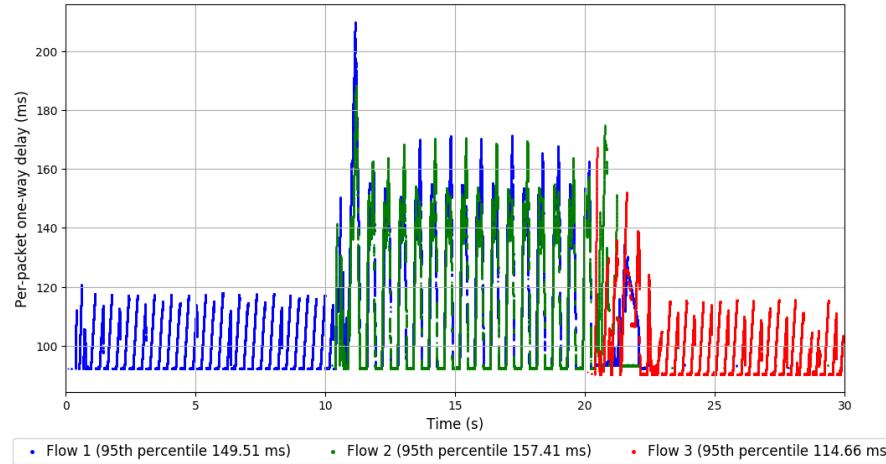
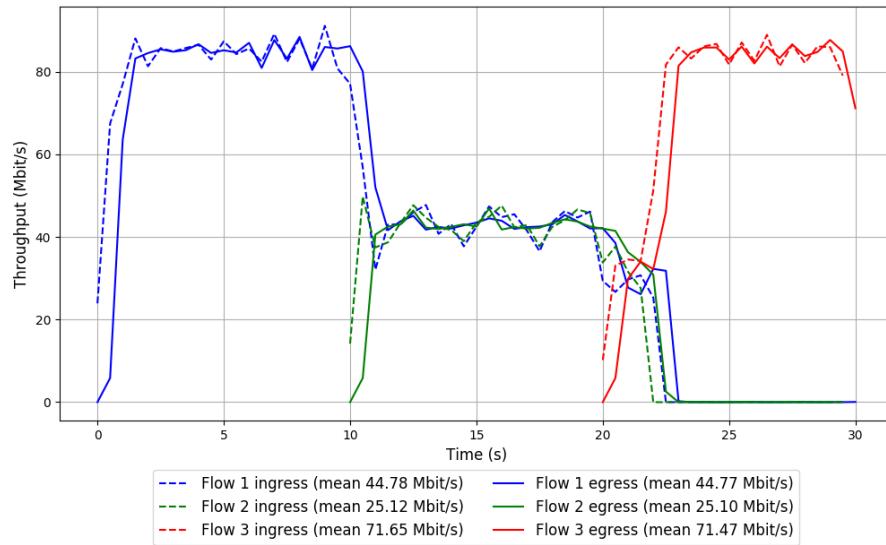


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-12-11 15:04:13
End at: 2019-12-11 15:04:43
Local clock offset: -7.185 ms
Remote clock offset: -8.581 ms

# Below is generated by plot.py at 2019-12-11 17:36:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.36 Mbit/s
95th percentile per-packet one-way delay: 149.685 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 44.77 Mbit/s
95th percentile per-packet one-way delay: 149.506 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 25.10 Mbit/s
95th percentile per-packet one-way delay: 157.415 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 71.47 Mbit/s
95th percentile per-packet one-way delay: 114.659 ms
Loss rate: 1.63%
```

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

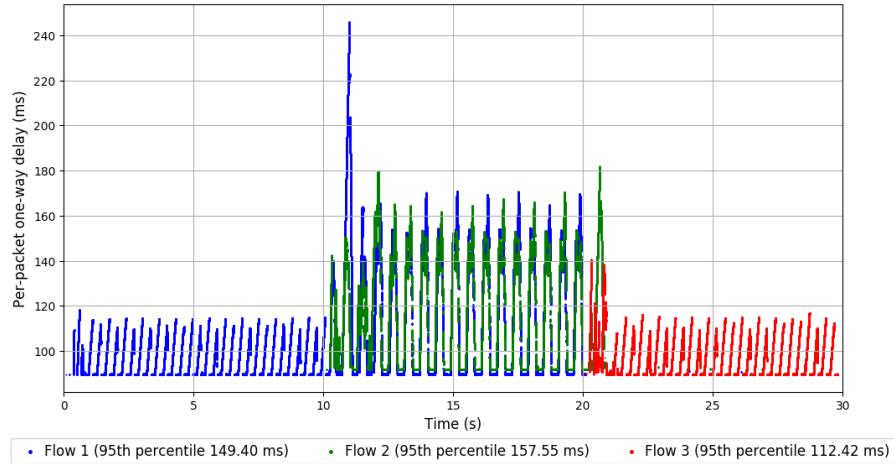
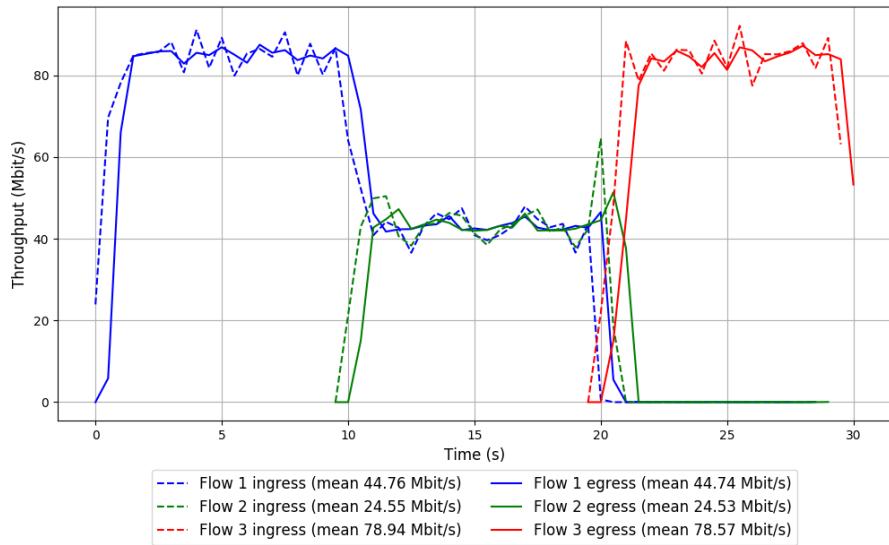


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-12-11 15:34:27
End at: 2019-12-11 15:34:58
Local clock offset: -6.617 ms
Remote clock offset: -8.931 ms

# Below is generated by plot.py at 2019-12-11 17:36:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 149.012 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 149.397 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 157.552 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 78.57 Mbit/s
95th percentile per-packet one-way delay: 112.418 ms
Loss rate: 1.85%
```

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

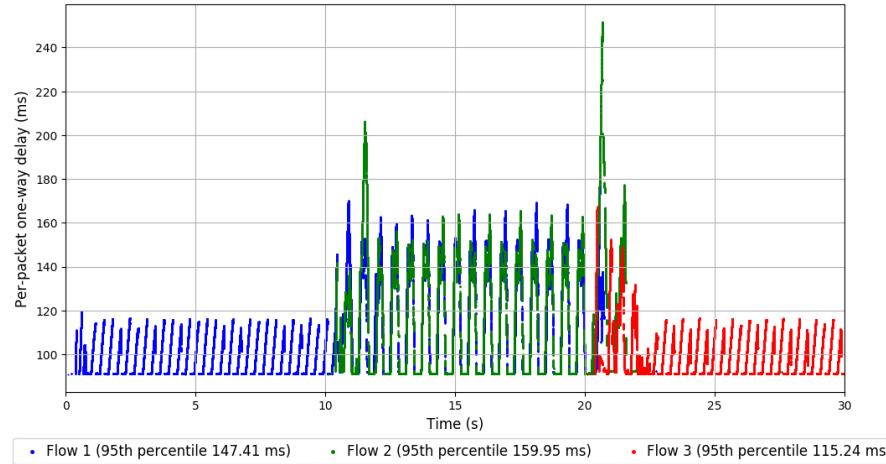
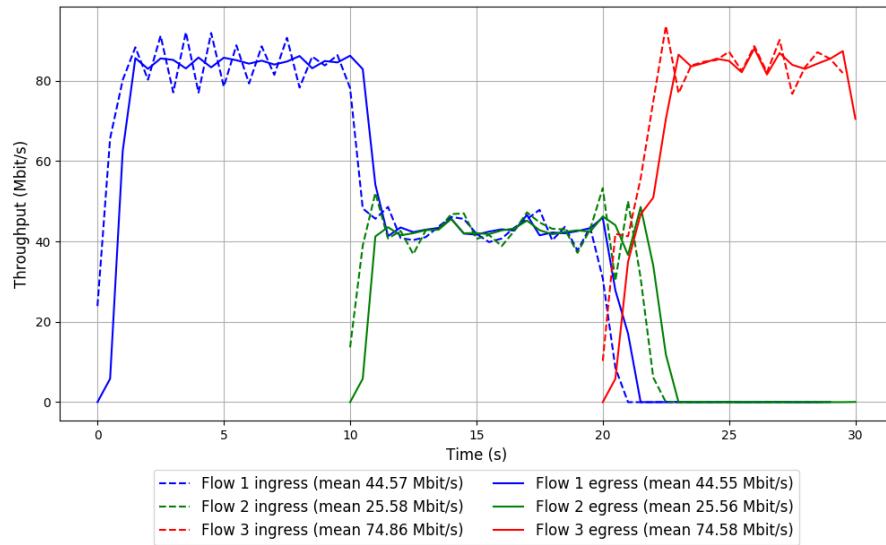


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-12-11 16:04:45
End at: 2019-12-11 16:05:15
Local clock offset: -8.532 ms
Remote clock offset: -8.792 ms

# Below is generated by plot.py at 2019-12-11 17:36:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.02 Mbit/s
95th percentile per-packet one-way delay: 148.178 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 44.55 Mbit/s
95th percentile per-packet one-way delay: 147.411 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 25.56 Mbit/s
95th percentile per-packet one-way delay: 159.949 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 74.58 Mbit/s
95th percentile per-packet one-way delay: 115.238 ms
Loss rate: 1.77%
```

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

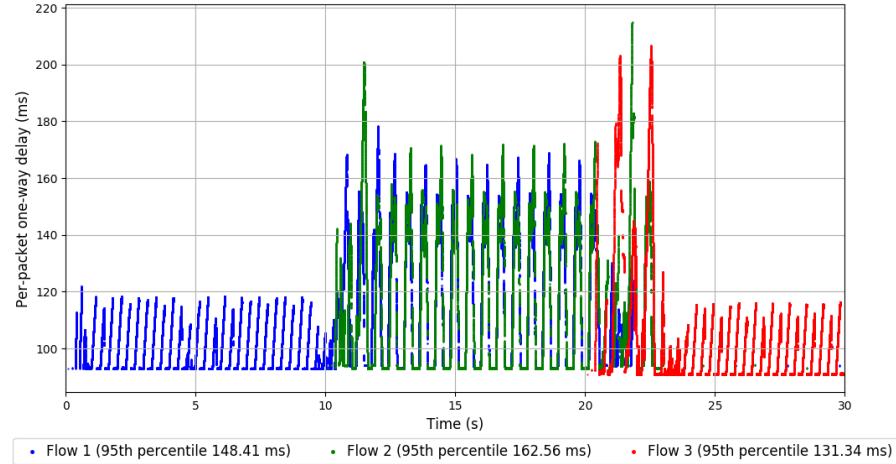
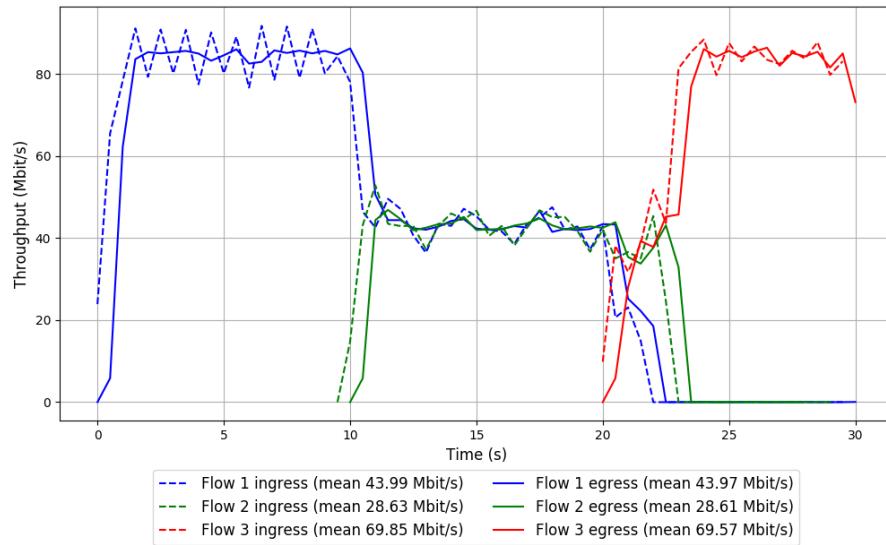


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-12-11 16:35:03
End at: 2019-12-11 16:35:33
Local clock offset: -5.932 ms
Remote clock offset: -9.967 ms

# Below is generated by plot.py at 2019-12-11 17:36:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.40 Mbit/s
95th percentile per-packet one-way delay: 152.091 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 43.97 Mbit/s
95th percentile per-packet one-way delay: 148.407 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 28.61 Mbit/s
95th percentile per-packet one-way delay: 162.557 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 69.57 Mbit/s
95th percentile per-packet one-way delay: 131.337 ms
Loss rate: 1.77%
```

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

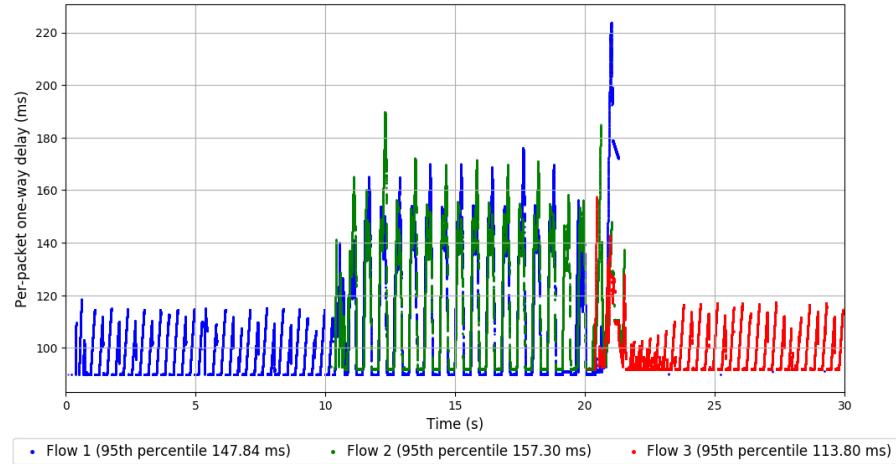
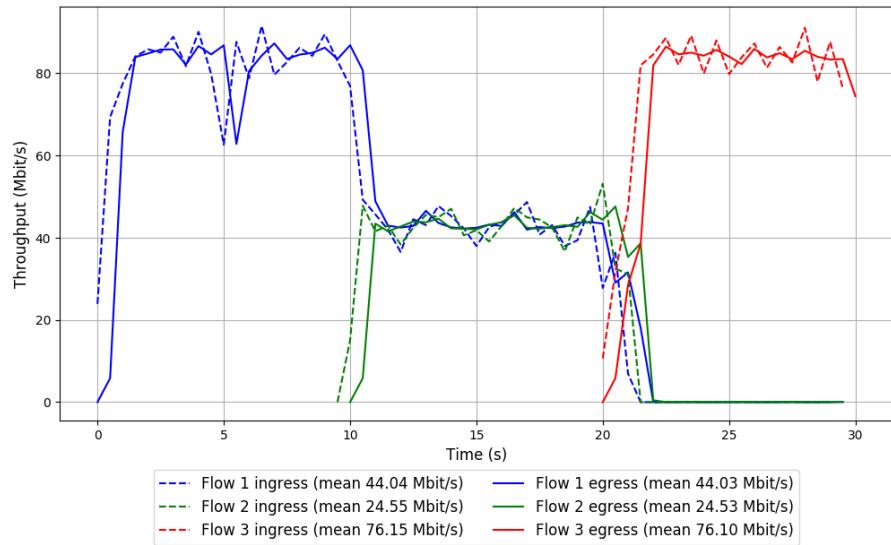


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-12-11 17:05:19
End at: 2019-12-11 17:05:49
Local clock offset: -5.606 ms
Remote clock offset: -8.423 ms

# Below is generated by plot.py at 2019-12-11 17:36:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: 148.895 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 44.03 Mbit/s
95th percentile per-packet one-way delay: 147.842 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 157.299 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 76.10 Mbit/s
95th percentile per-packet one-way delay: 113.797 ms
Loss rate: 1.47%
```

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

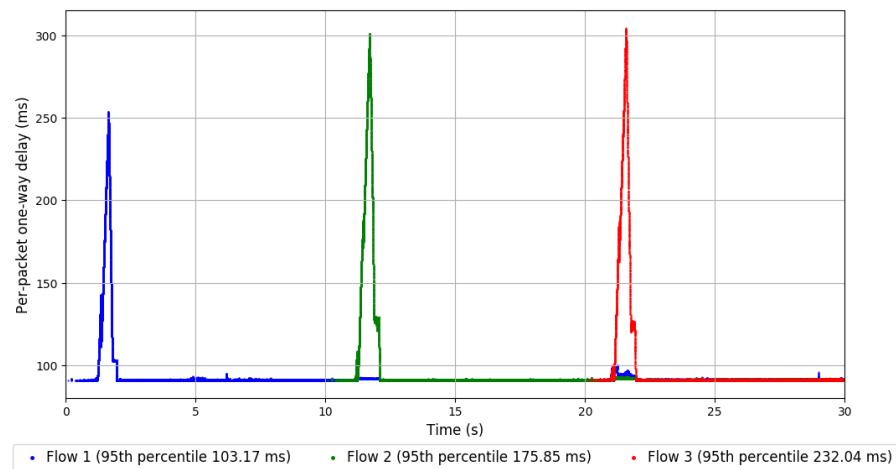
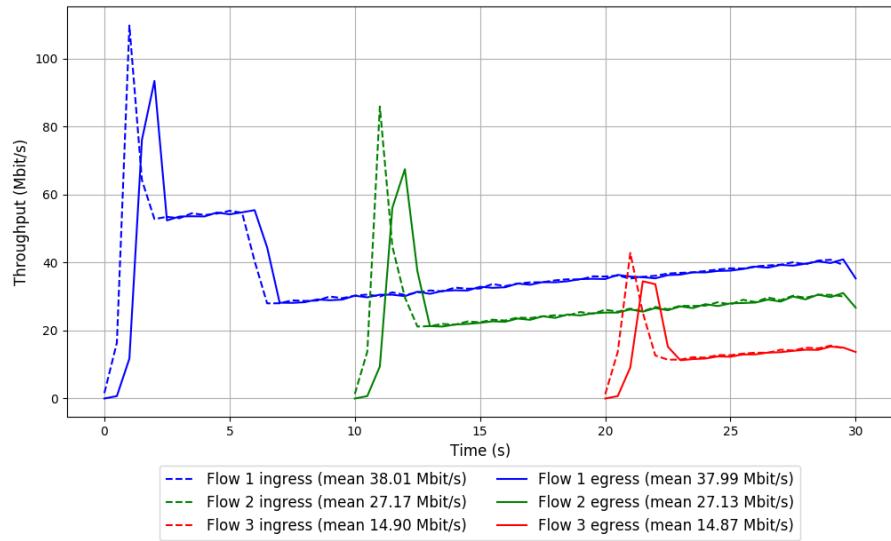


Run 1: Statistics of TCP Vegas

```
Start at: 2019-12-11 14:52:56
End at: 2019-12-11 14:53:26
Local clock offset: -5.364 ms
Remote clock offset: -9.591 ms

# Below is generated by plot.py at 2019-12-11 17:36:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.91 Mbit/s
95th percentile per-packet one-way delay: 134.373 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 103.167 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 27.13 Mbit/s
95th percentile per-packet one-way delay: 175.847 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 14.87 Mbit/s
95th percentile per-packet one-way delay: 232.045 ms
Loss rate: 1.61%
```

Run 1: Report of TCP Vegas — Data Link

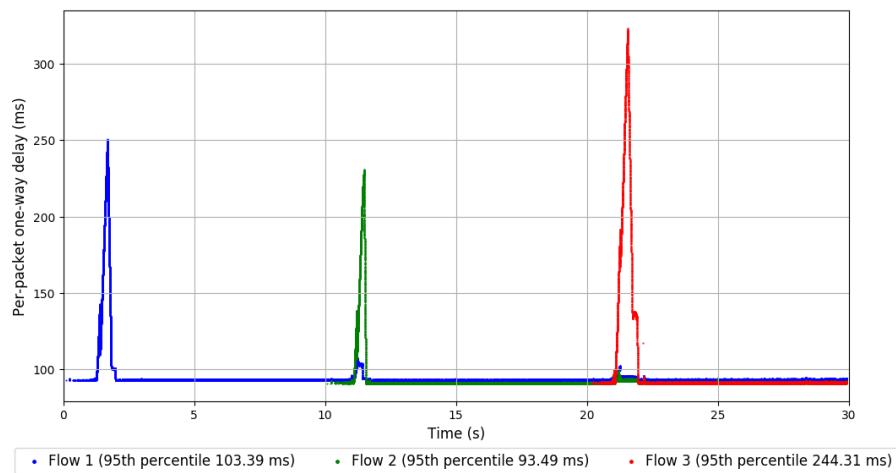
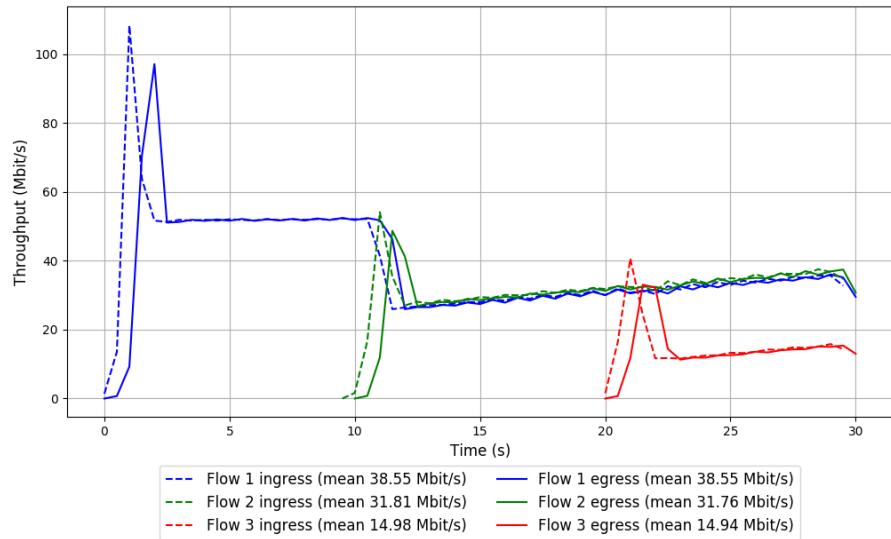


Run 2: Statistics of TCP Vegas

```
Start at: 2019-12-11 15:23:12
End at: 2019-12-11 15:23:42
Local clock offset: -6.379 ms
Remote clock offset: -9.891 ms

# Below is generated by plot.py at 2019-12-11 17:36:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.59 Mbit/s
95th percentile per-packet one-way delay: 112.566 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 103.394 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 93.492 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 14.94 Mbit/s
95th percentile per-packet one-way delay: 244.312 ms
Loss rate: 1.65%
```

Run 2: Report of TCP Vegas — Data Link

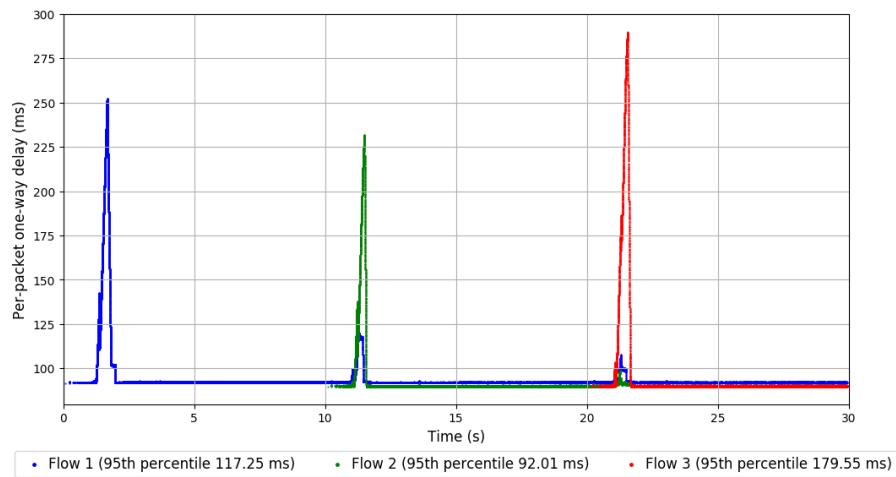
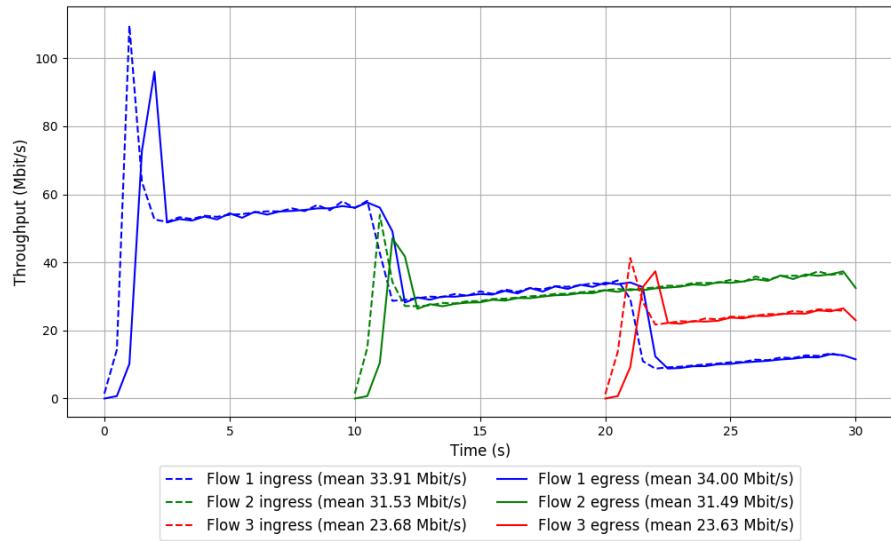


Run 3: Statistics of TCP Vegas

```
Start at: 2019-12-11 15:53:29
End at: 2019-12-11 15:53:59
Local clock offset: -7.292 ms
Remote clock offset: -8.953 ms

# Below is generated by plot.py at 2019-12-11 17:36:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.70 Mbit/s
95th percentile per-packet one-way delay: 115.336 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 34.00 Mbit/s
95th percentile per-packet one-way delay: 117.250 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 92.011 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 23.63 Mbit/s
95th percentile per-packet one-way delay: 179.549 ms
Loss rate: 1.62%
```

Run 3: Report of TCP Vegas — Data Link

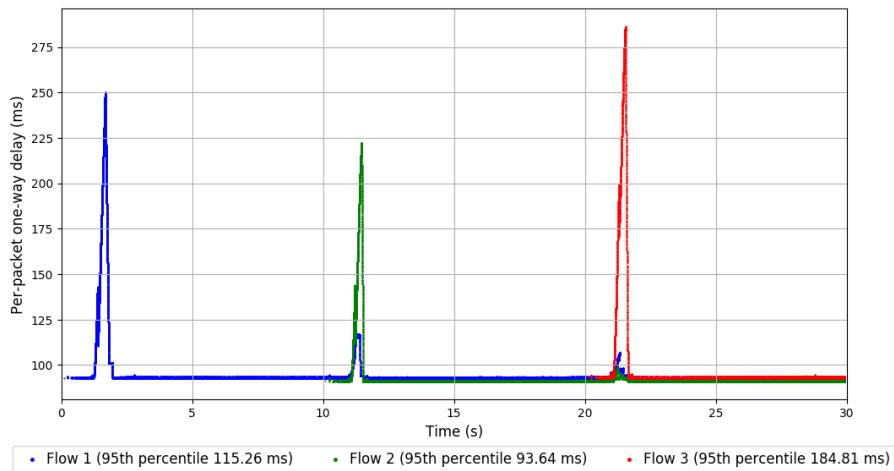
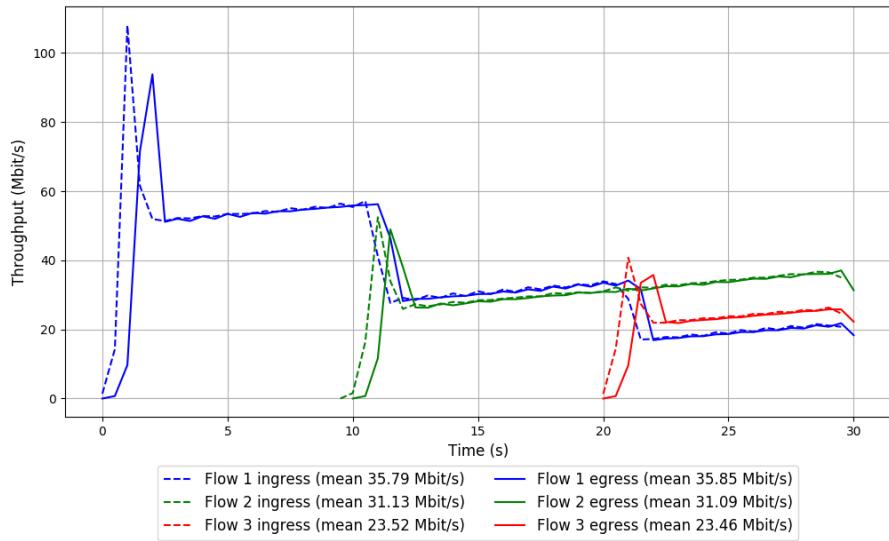


Run 4: Statistics of TCP Vegas

```
Start at: 2019-12-11 16:23:47
End at: 2019-12-11 16:24:17
Local clock offset: -6.097 ms
Remote clock offset: -9.812 ms

# Below is generated by plot.py at 2019-12-11 17:36:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.24 Mbit/s
95th percentile per-packet one-way delay: 112.542 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 35.85 Mbit/s
95th percentile per-packet one-way delay: 115.263 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 31.09 Mbit/s
95th percentile per-packet one-way delay: 93.641 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 184.806 ms
Loss rate: 1.63%
```

Run 4: Report of TCP Vegas — Data Link

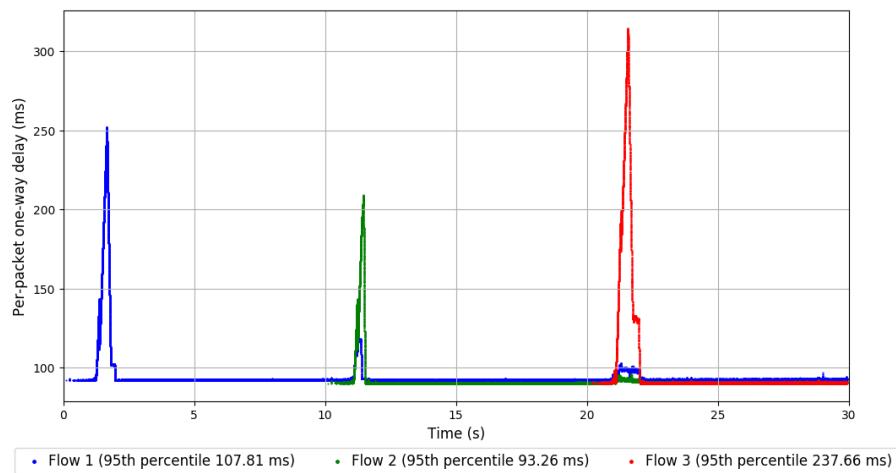
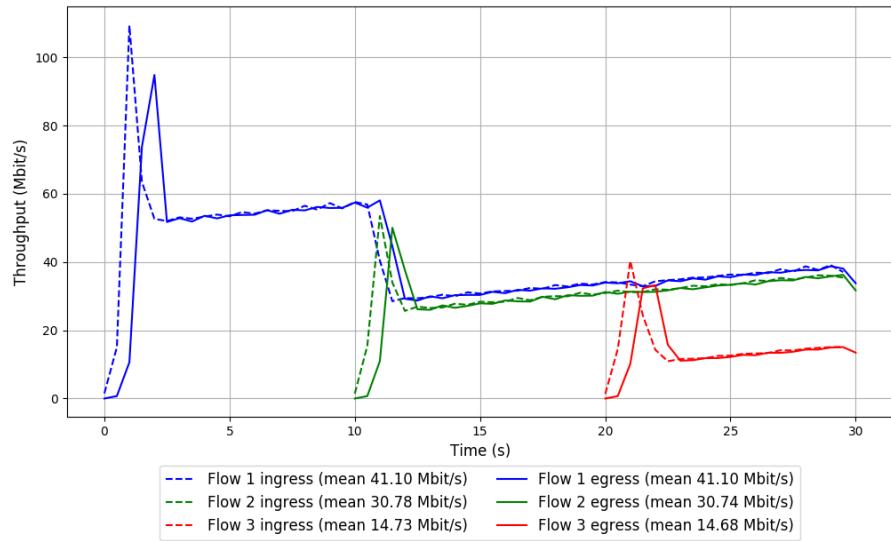


Run 5: Statistics of TCP Vegas

```
Start at: 2019-12-11 16:54:03
End at: 2019-12-11 16:54:33
Local clock offset: -6.311 ms
Remote clock offset: -9.866 ms

# Below is generated by plot.py at 2019-12-11 17:36:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.36 Mbit/s
95th percentile per-packet one-way delay: 116.474 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 41.10 Mbit/s
95th percentile per-packet one-way delay: 107.809 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 30.74 Mbit/s
95th percentile per-packet one-way delay: 93.264 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 14.68 Mbit/s
95th percentile per-packet one-way delay: 237.660 ms
Loss rate: 1.67%
```

Run 5: Report of TCP Vegas — Data Link

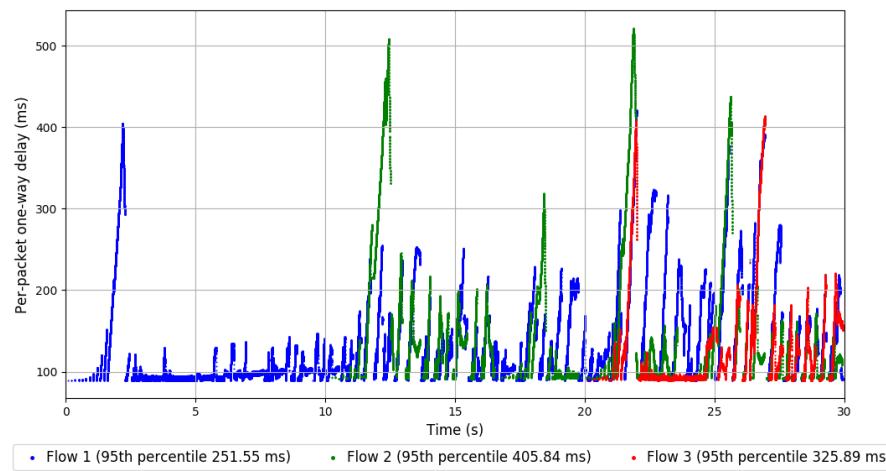
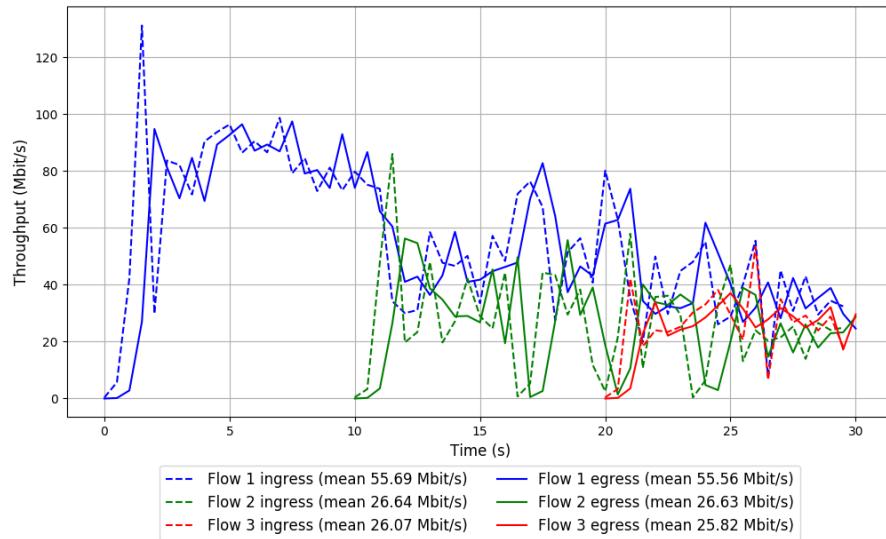


Run 1: Statistics of Verus

```
Start at: 2019-12-11 15:13:03
End at: 2019-12-11 15:13:33
Local clock offset: -7.603 ms
Remote clock offset: -8.457 ms

# Below is generated by plot.py at 2019-12-11 17:37:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.74 Mbit/s
95th percentile per-packet one-way delay: 290.667 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 55.56 Mbit/s
95th percentile per-packet one-way delay: 251.552 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 26.63 Mbit/s
95th percentile per-packet one-way delay: 405.843 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 25.82 Mbit/s
95th percentile per-packet one-way delay: 325.888 ms
Loss rate: 0.66%
```

Run 1: Report of Verus — Data Link

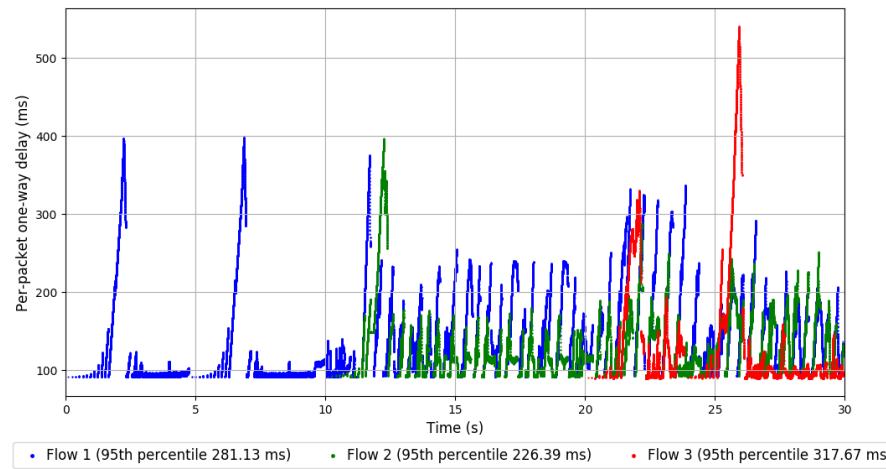
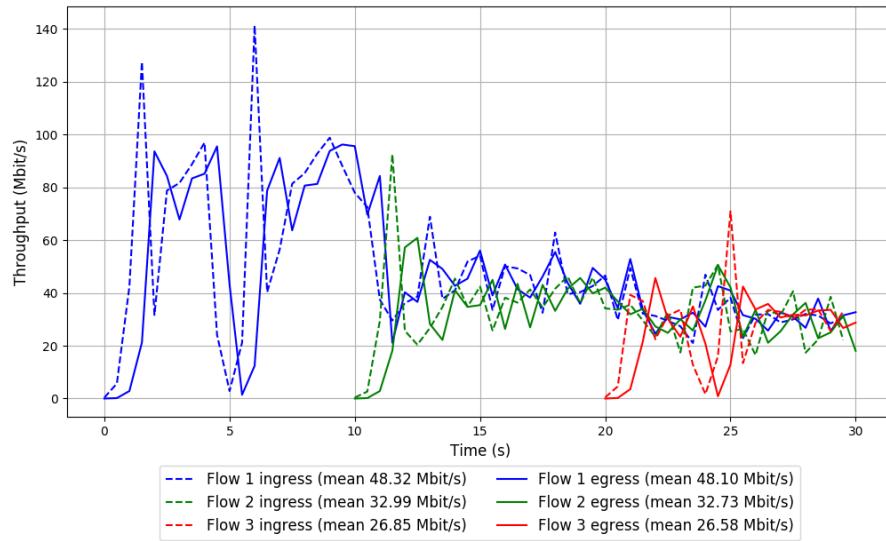


Run 2: Statistics of Verus

```
Start at: 2019-12-11 15:43:17
End at: 2019-12-11 15:43:47
Local clock offset: -7.597 ms
Remote clock offset: -9.81 ms

# Below is generated by plot.py at 2019-12-11 17:37:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: 277.976 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 48.10 Mbit/s
95th percentile per-packet one-way delay: 281.135 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 226.388 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 26.58 Mbit/s
95th percentile per-packet one-way delay: 317.666 ms
Loss rate: 2.36%
```

Run 2: Report of Verus — Data Link

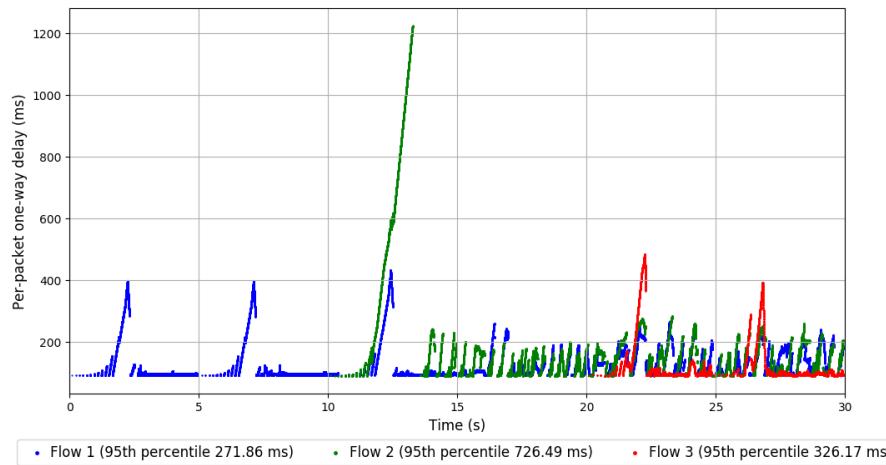
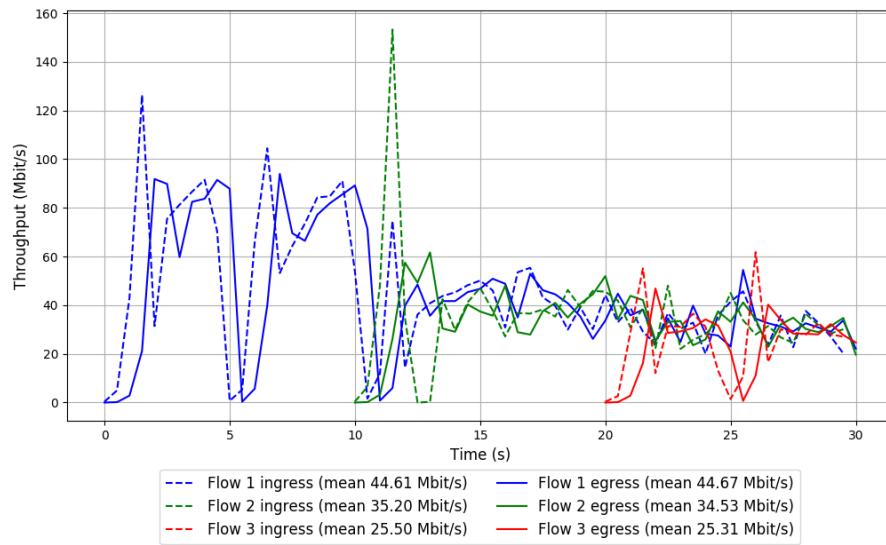


Run 3: Statistics of Verus

```
Start at: 2019-12-11 16:13:36
End at: 2019-12-11 16:14:06
Local clock offset: -7.616 ms
Remote clock offset: -9.241 ms

# Below is generated by plot.py at 2019-12-11 17:37:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.94 Mbit/s
95th percentile per-packet one-way delay: 335.496 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 44.67 Mbit/s
95th percentile per-packet one-way delay: 271.862 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 726.486 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 25.31 Mbit/s
95th percentile per-packet one-way delay: 326.166 ms
Loss rate: 2.13%
```

Run 3: Report of Verus — Data Link

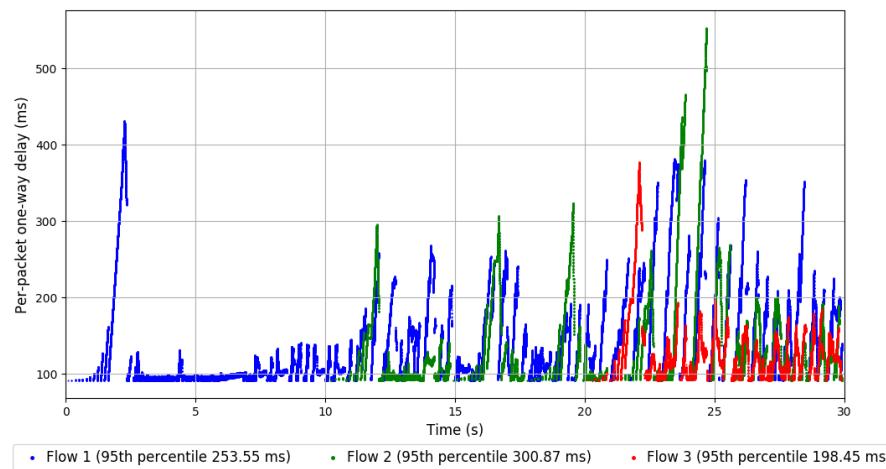
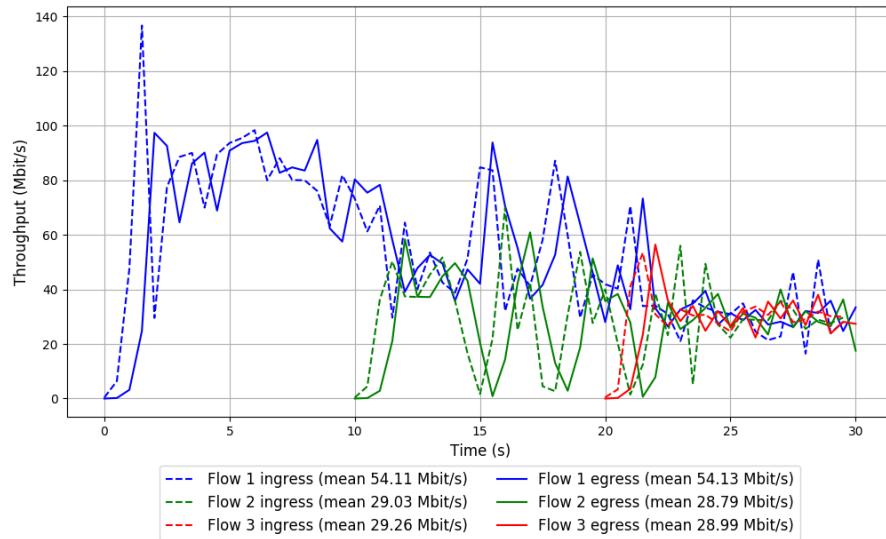


Run 4: Statistics of Verus

```
Start at: 2019-12-11 16:43:53
End at: 2019-12-11 16:44:23
Local clock offset: -6.438 ms
Remote clock offset: -9.248 ms

# Below is generated by plot.py at 2019-12-11 17:37:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.71 Mbit/s
95th percentile per-packet one-way delay: 263.280 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 54.13 Mbit/s
95th percentile per-packet one-way delay: 253.553 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 28.79 Mbit/s
95th percentile per-packet one-way delay: 300.871 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: 198.446 ms
Loss rate: 2.83%
```

Run 4: Report of Verus — Data Link

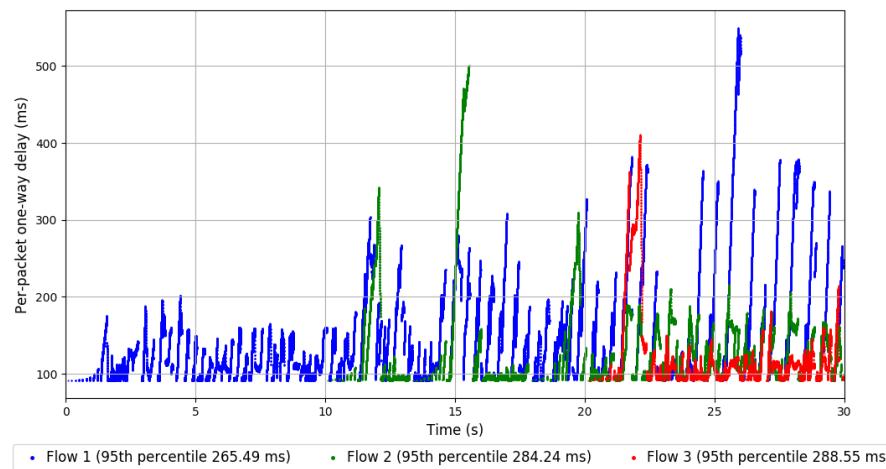
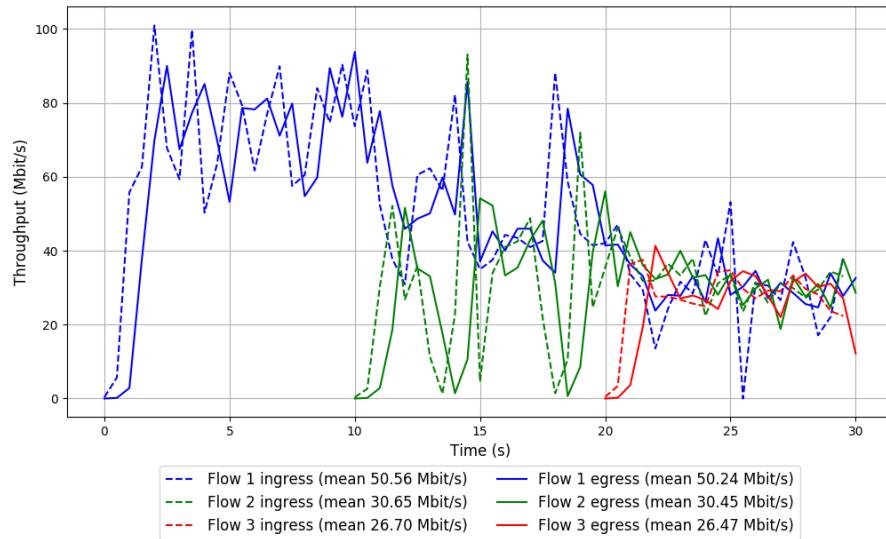


Run 5: Statistics of Verus

```
Start at: 2019-12-11 17:14:12
End at: 2019-12-11 17:14:42
Local clock offset: -6.129 ms
Remote clock offset: -8.284 ms

# Below is generated by plot.py at 2019-12-11 17:37:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.17 Mbit/s
95th percentile per-packet one-way delay: 275.191 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 265.491 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 284.237 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 288.550 ms
Loss rate: 2.23%
```

Run 5: Report of Verus — Data Link

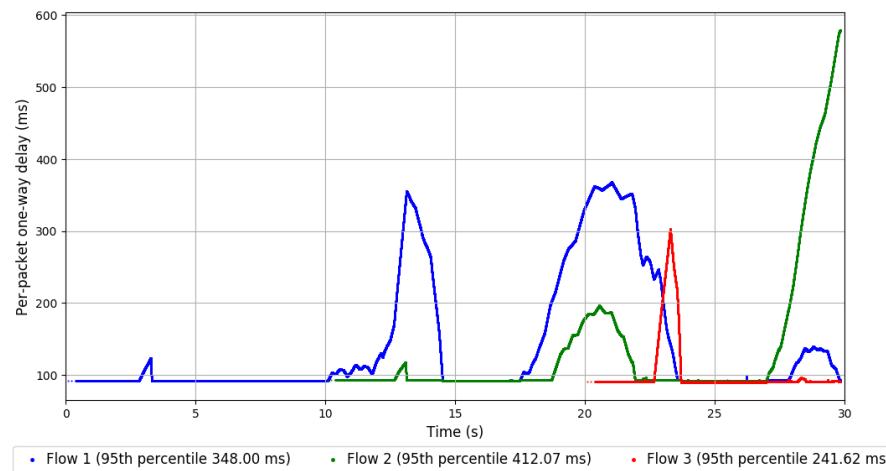
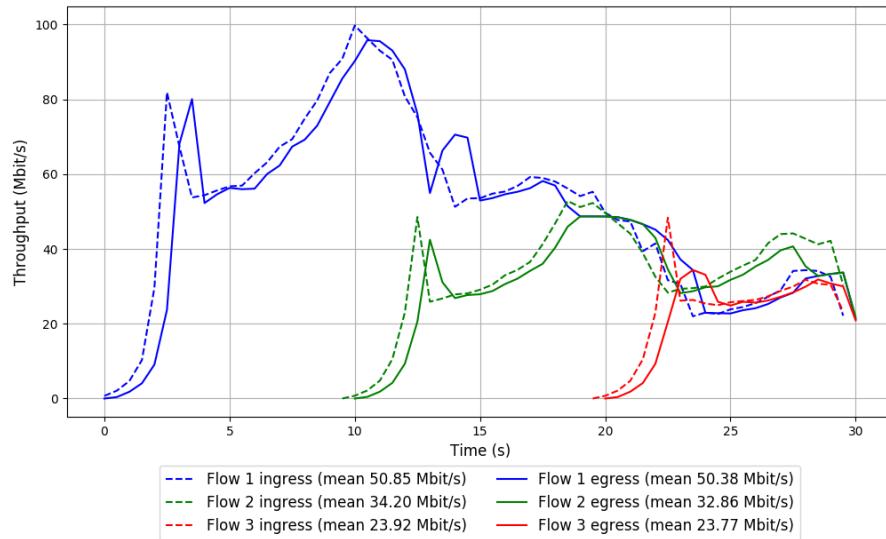


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-12-11 14:59:13
End at: 2019-12-11 14:59:43
Local clock offset: -7.294 ms
Remote clock offset: -9.479 ms

# Below is generated by plot.py at 2019-12-11 17:37:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.99 Mbit/s
95th percentile per-packet one-way delay: 347.798 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 347.997 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 412.071 ms
Loss rate: 4.59%
-- Flow 3:
Average throughput: 23.77 Mbit/s
95th percentile per-packet one-way delay: 241.615 ms
Loss rate: 2.03%
```

Run 1: Report of PCC-Vivace — Data Link

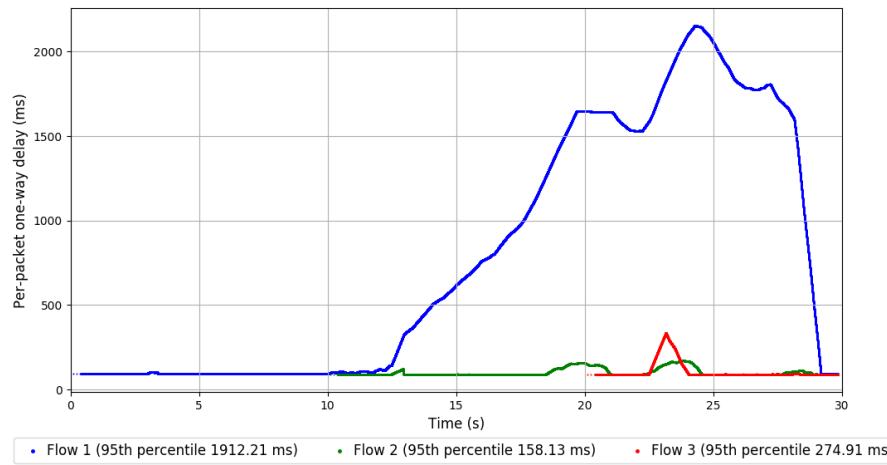
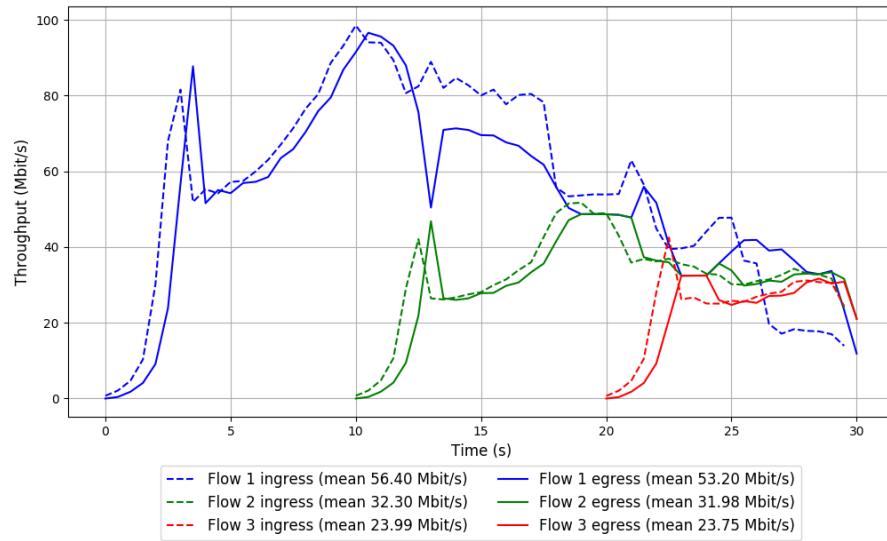


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-12-11 15:29:27
End at: 2019-12-11 15:29:57
Local clock offset: -7.161 ms
Remote clock offset: -9.615 ms

# Below is generated by plot.py at 2019-12-11 17:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.19 Mbit/s
95th percentile per-packet one-way delay: 1795.015 ms
Loss rate: 4.64%
-- Flow 1:
Average throughput: 53.20 Mbit/s
95th percentile per-packet one-way delay: 1912.215 ms
Loss rate: 6.10%
-- Flow 2:
Average throughput: 31.98 Mbit/s
95th percentile per-packet one-way delay: 158.132 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 274.907 ms
Loss rate: 2.36%
```

Run 2: Report of PCC-Vivace — Data Link

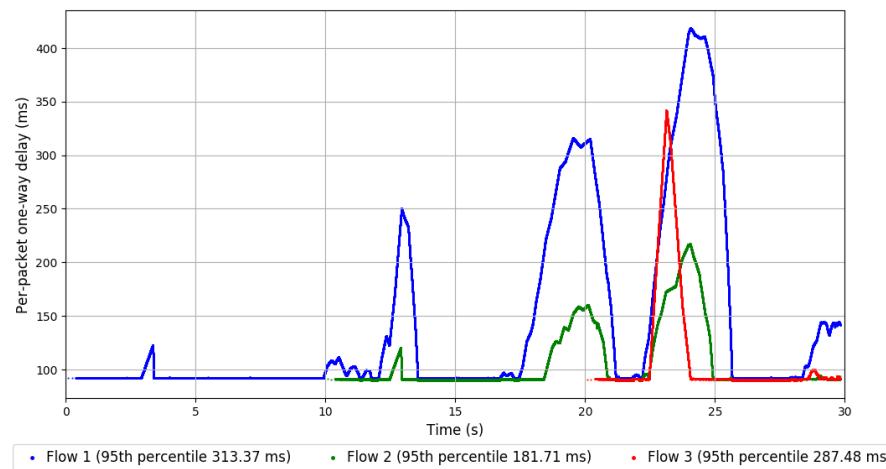
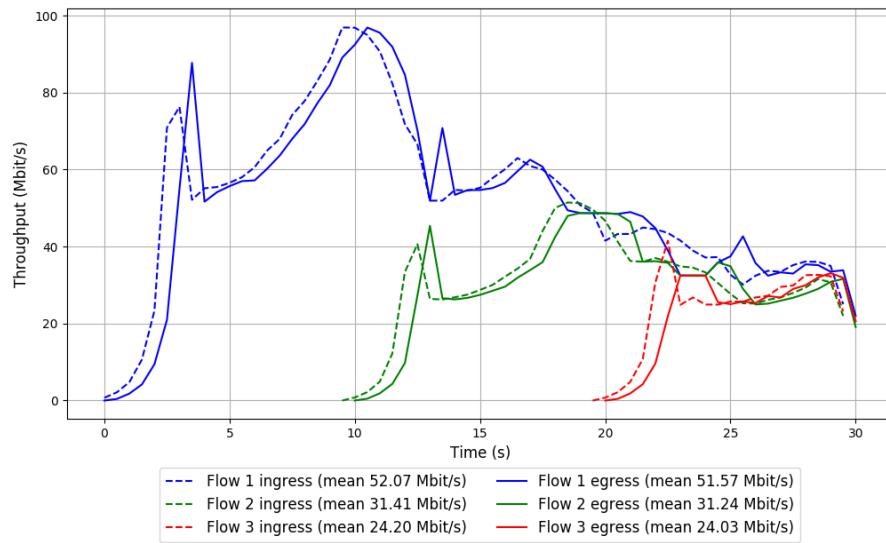


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-12-11 15:59:45
End at: 2019-12-11 16:00:15
Local clock offset: -7.626 ms
Remote clock offset: -9.514 ms

# Below is generated by plot.py at 2019-12-11 17:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.17 Mbit/s
95th percentile per-packet one-way delay: 305.238 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 51.57 Mbit/s
95th percentile per-packet one-way delay: 313.373 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 181.714 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 287.476 ms
Loss rate: 2.13%
```

Run 3: Report of PCC-Vivace — Data Link

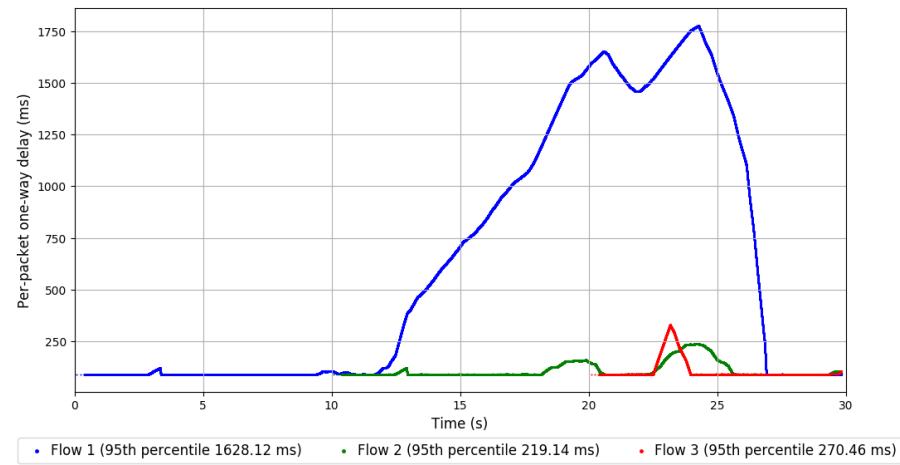
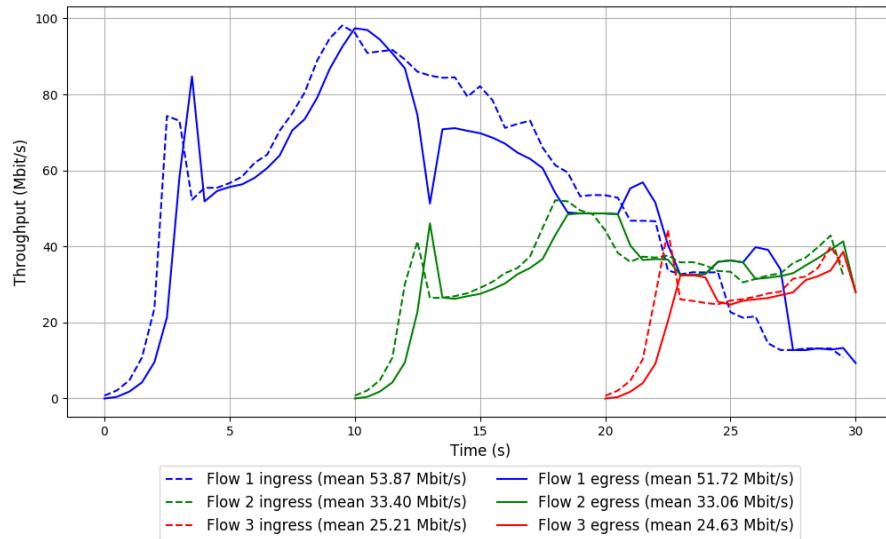


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-12-11 16:30:03
End at: 2019-12-11 16:30:33
Local clock offset: -6.649 ms
Remote clock offset: -9.877 ms

# Below is generated by plot.py at 2019-12-11 17:38:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.73 Mbit/s
95th percentile per-packet one-way delay: 1579.829 ms
Loss rate: 3.64%
-- Flow 1:
Average throughput: 51.72 Mbit/s
95th percentile per-packet one-way delay: 1628.123 ms
Loss rate: 4.42%
-- Flow 2:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 219.141 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 270.464 ms
Loss rate: 3.68%
```

Run 4: Report of PCC-Vivace — Data Link

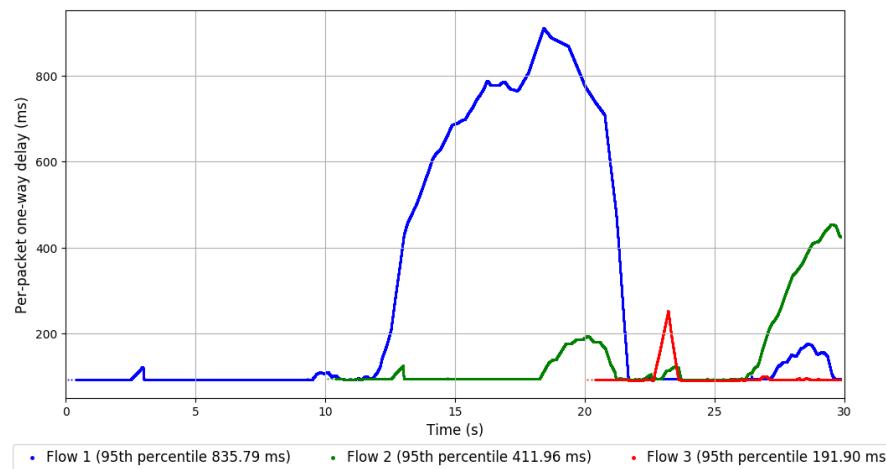
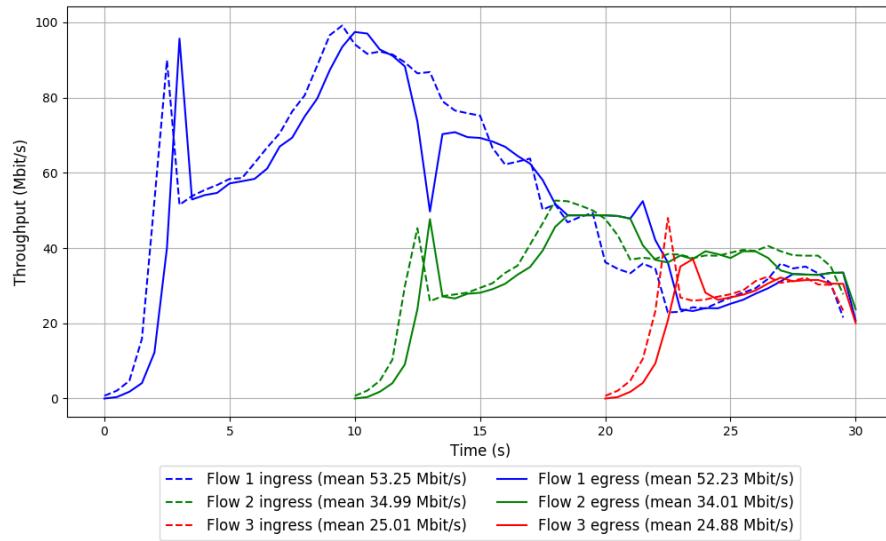


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-12-11 17:00:19
End at: 2019-12-11 17:00:49
Local clock offset: -5.659 ms
Remote clock offset: -9.572 ms

# Below is generated by plot.py at 2019-12-11 17:38:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.93 Mbit/s
95th percentile per-packet one-way delay: 785.674 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 52.23 Mbit/s
95th percentile per-packet one-way delay: 835.795 ms
Loss rate: 2.38%
-- Flow 2:
Average throughput: 34.01 Mbit/s
95th percentile per-packet one-way delay: 411.964 ms
Loss rate: 3.46%
-- Flow 3:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 191.898 ms
Loss rate: 1.94%
```

Run 5: Report of PCC-Vivace — Data Link

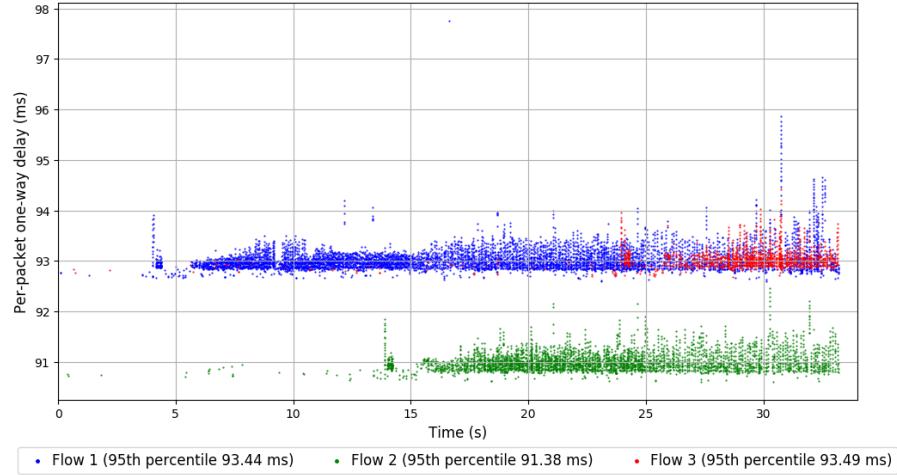
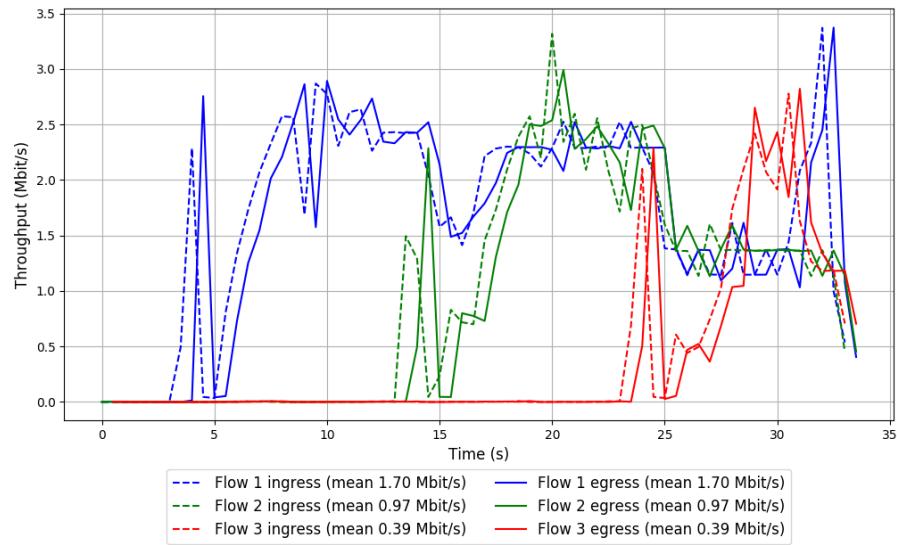


```
Run 1: Statistics of WebRTC media
```

```
Start at: 2019-12-11 15:10:36
End at: 2019-12-11 15:11:06
Local clock offset: -7.251 ms
Remote clock offset: -9.247 ms

# Below is generated by plot.py at 2019-12-11 17:38:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 93.369 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 93.436 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 91.384 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 93.491 ms
Loss rate: 0.94%
```

Run 1: Report of WebRTC media — Data Link

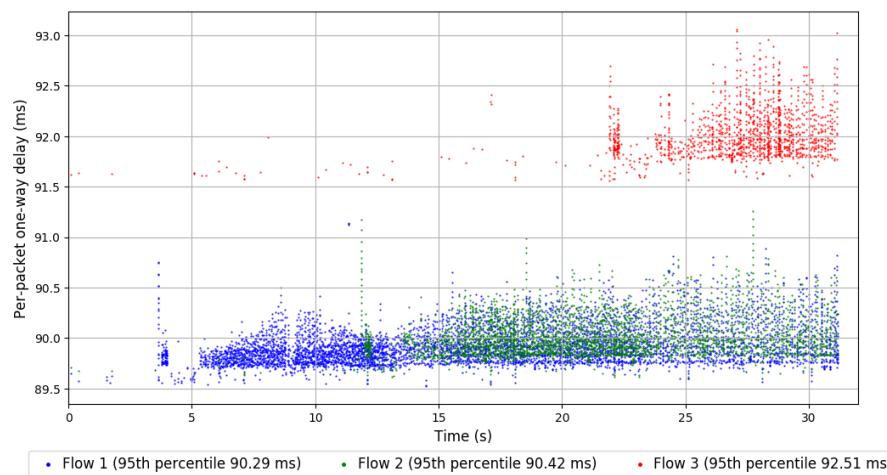
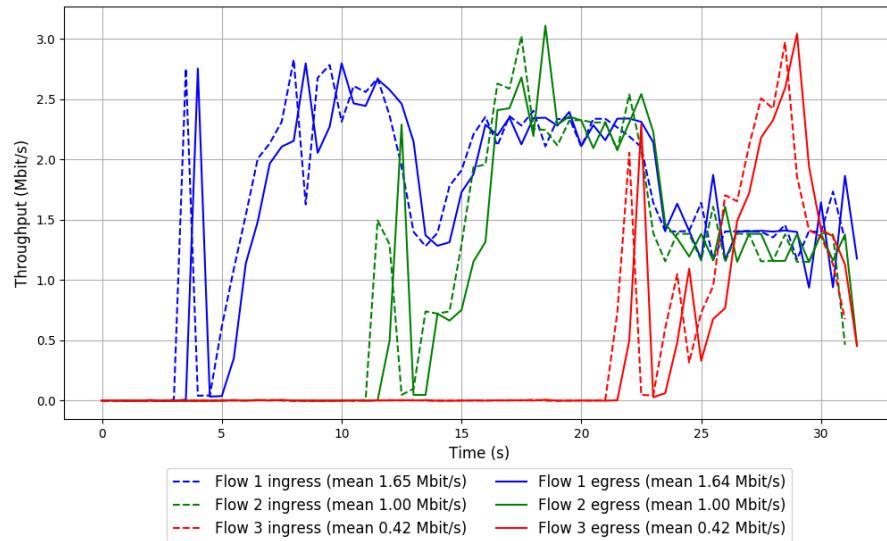


Run 2: Statistics of WebRTC media

```
Start at: 2019-12-11 15:40:50
End at: 2019-12-11 15:41:20
Local clock offset: -7.533 ms
Remote clock offset: -9.736 ms

# Below is generated by plot.py at 2019-12-11 17:38:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 92.051 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 90.293 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 90.417 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 92.513 ms
Loss rate: 1.70%
```

Run 2: Report of WebRTC media — Data Link

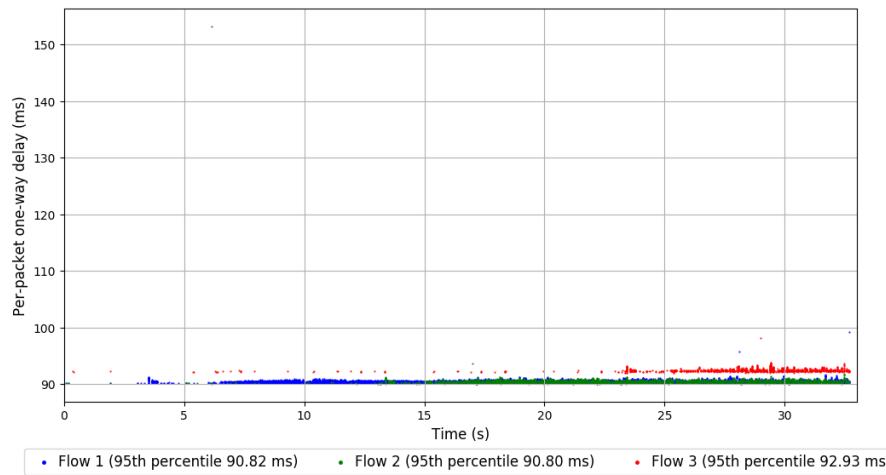
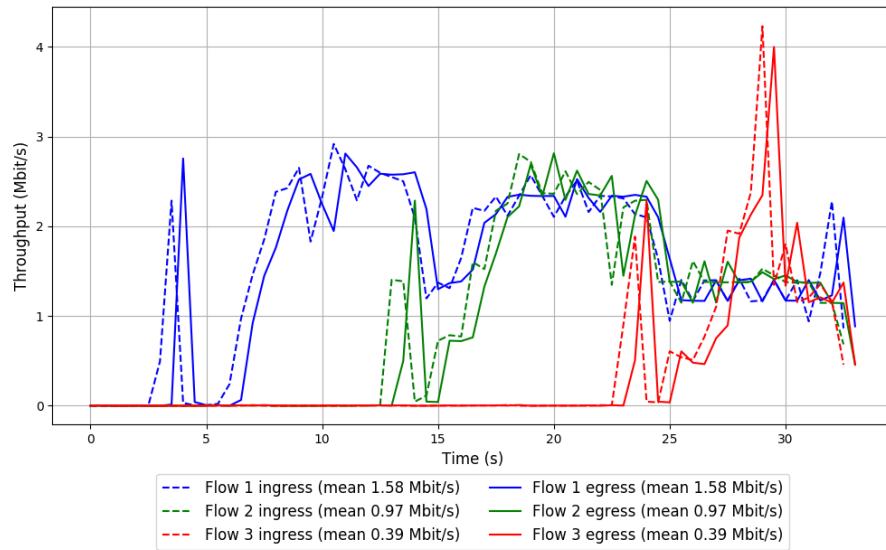


Run 3: Statistics of WebRTC media

```
Start at: 2019-12-11 16:11:08
End at: 2019-12-11 16:11:38
Local clock offset: -7.385 ms
Remote clock offset: -9.475 ms

# Below is generated by plot.py at 2019-12-11 17:38:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 92.451 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 90.820 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 90.801 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 92.932 ms
Loss rate: 0.89%
```

Run 3: Report of WebRTC media — Data Link

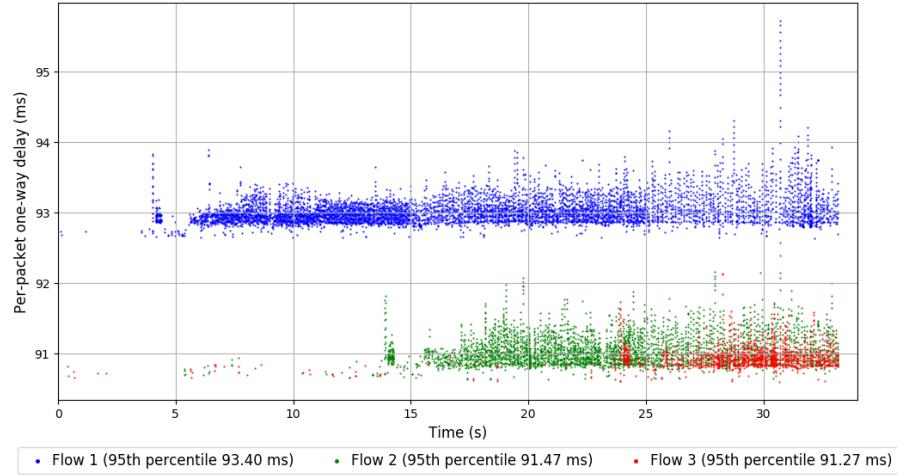
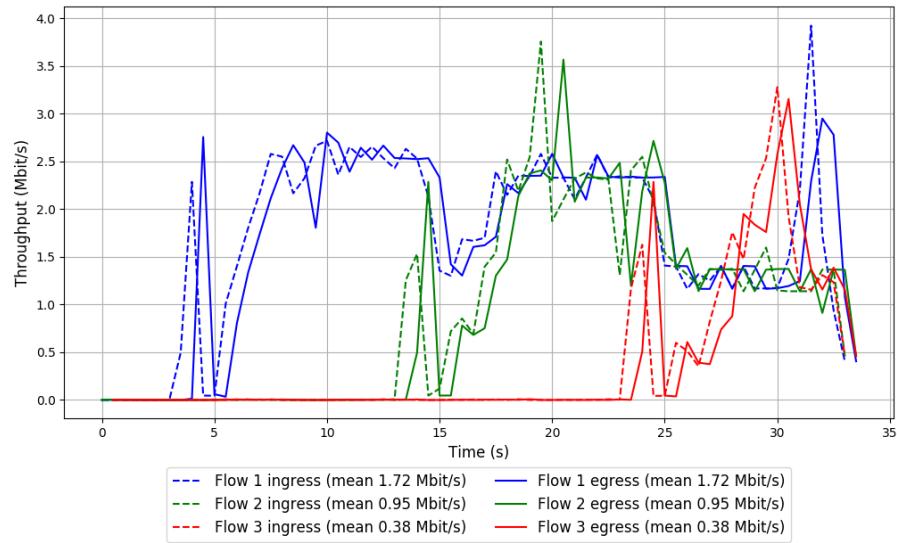


Run 4: Statistics of WebRTC media

```
Start at: 2019-12-11 16:41:25
End at: 2019-12-11 16:41:55
Local clock offset: -5.801 ms
Remote clock offset: -9.861 ms

# Below is generated by plot.py at 2019-12-11 17:38:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 93.299 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 93.403 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 91.468 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 91.267 ms
Loss rate: 0.93%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-12-11 17:11:44
End at: 2019-12-11 17:12:14
Local clock offset: -6.584 ms
Remote clock offset: -8.952 ms

# Below is generated by plot.py at 2019-12-11 17:38:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 92.343 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 92.378 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 92.335 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 90.604 ms
Loss rate: 0.87%
```

Run 5: Report of WebRTC media — Data Link

