

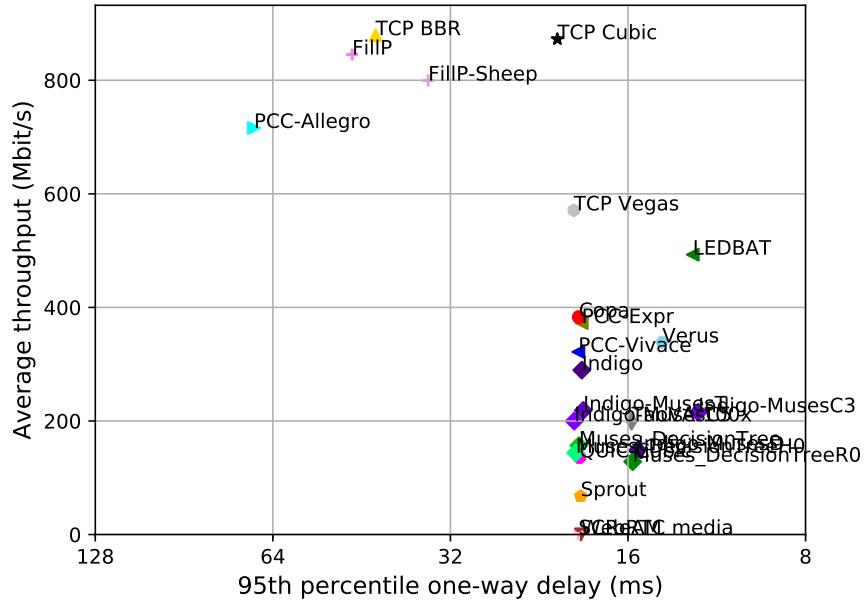
Pantheon Report

Generated at 2019-12-11 19:00:44 (UTC).
Data path: Stanford on `eno1` (*remote*) → AWS California 1 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 `time.stanford.edu` and have been applied to correct the timestamps in logs.

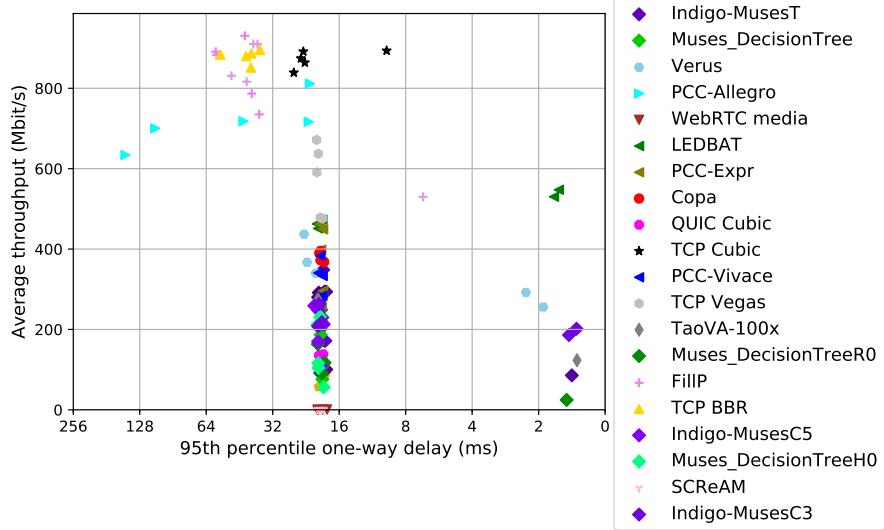
```
System info:  
Linux 4.15.0-1054-aws  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
 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

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



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



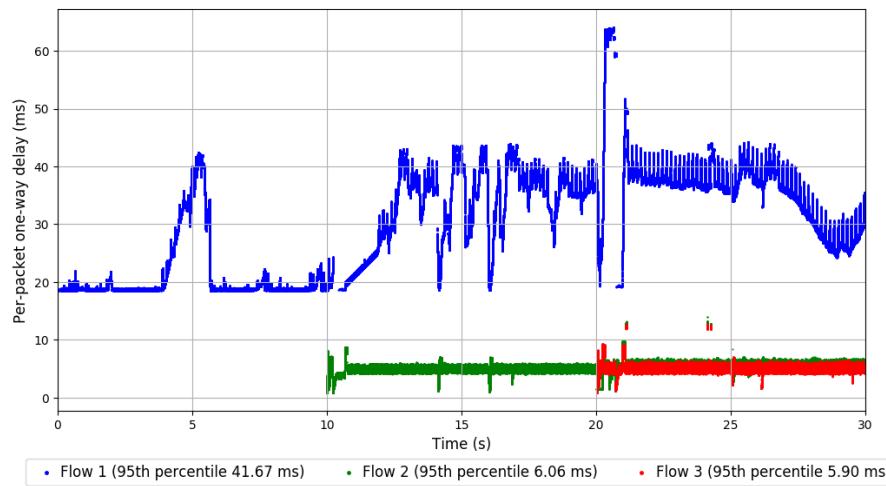
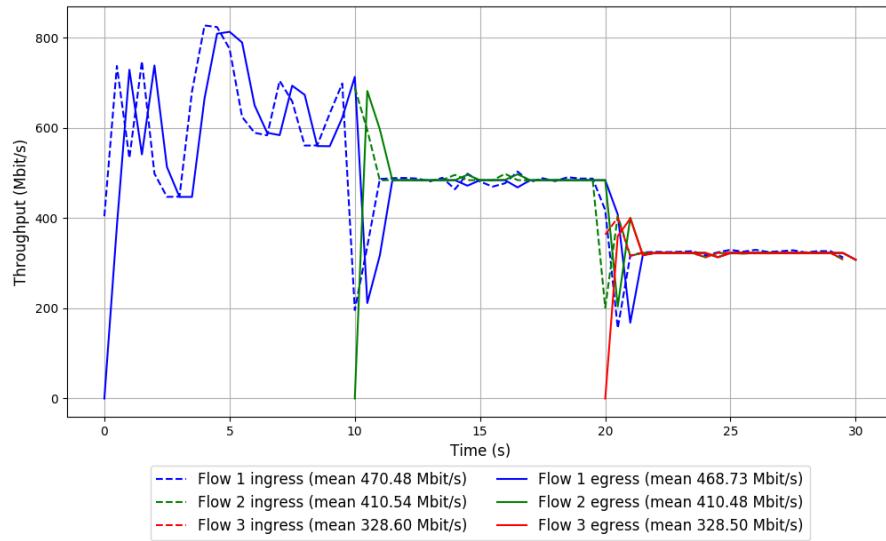
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	502.27	402.55	328.66	20.86	32.86	31.96	0.16	0.44	0.45
Copa		235.17	169.77	105.24	4.64	8.23	12.20	0.00	0.02	0.10
TCP Cubic		489.08	412.05	327.60	18.40	14.54	11.06	0.04	0.06	0.11
FillP		530.24	316.13	317.15	43.93	30.40	41.66	0.31	0.14	0.31
FillP-Sheep		521.96	312.66	210.80	35.73	24.43	23.82	0.15	0.06	0.18
Indigo		155.68	141.73	120.79	15.59	15.59	1.17	0.03	0.08	0.02
Indigo-MusesC3		171.77	58.24	30.35	8.14	12.19	15.54	0.01	0.03	0.37
Indigo-MusesC5		153.66	57.88	41.10	16.01	11.97	8.10	0.03	0.03	0.17
Indigo-MusesD		111.99	41.54	42.79	4.54	8.15	11.96	0.02	0.03	0.20
Indigo-MusesT		178.89	45.18	46.16	11.99	0.83	15.31	0.01	0.02	0.26
LEDBAT		285.98	217.81	186.52	12.00	12.80	5.33	0.03	0.09	0.07
Muses_DecisionTree		124.82	42.05	13.53	15.60	15.56	8.20	0.01	0.05	0.07
Muses_DecisionTreeH0		83.27	74.98	35.16	8.49	15.59	8.35	0.01	0.03	0.06
Muses_DecisionTreeR0		92.96	47.99	11.77	12.03	11.92	11.90	0.01	0.04	0.10
PCC-Allegro		579.62	123.56	165.51	39.84	41.44	12.94	0.03	0.12	0.11
PCC-Expr		262.34	152.05	27.49	12.12	11.97	8.16	0.03	0.09	0.15
QUIC Cubic		73.17	66.81	54.96	11.97	19.12	8.45	0.03	0.09	0.11
SCReAM		0.22	0.22	0.22	8.20	19.43	8.35	0.03	0.19	0.07
Sprout		29.70	34.89	44.78	15.71	11.98	4.47	0.09	0.02	0.08
TaoVA-100x		118.89	72.93	96.99	8.57	4.66	15.84	0.01	0.02	0.12
TCP Vegas		262.24	343.13	240.97	12.47	12.33	5.55	0.04	0.05	0.05
Verus		196.82	166.82	92.92	10.90	6.30	9.17	0.03	0.03	0.04
PCC-Vivace		216.66	111.63	93.28	12.13	12.10	11.91	0.02	0.06	0.10
WebRTC media		0.05	0.05	0.18	11.78	8.18	12.24	0.02	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-12-11 15:06:01
End at: 2019-12-11 15:06:31
Local clock offset: 3.155 ms
Remote clock offset: 5.459 ms

# Below is generated by plot.py at 2019-12-11 18:02:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 851.50 Mbit/s
95th percentile per-packet one-way delay: 40.181 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 468.73 Mbit/s
95th percentile per-packet one-way delay: 41.675 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 410.48 Mbit/s
95th percentile per-packet one-way delay: 6.063 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 328.50 Mbit/s
95th percentile per-packet one-way delay: 5.902 ms
Loss rate: 0.06%
```

Run 1: Report of TCP BBR — Data Link

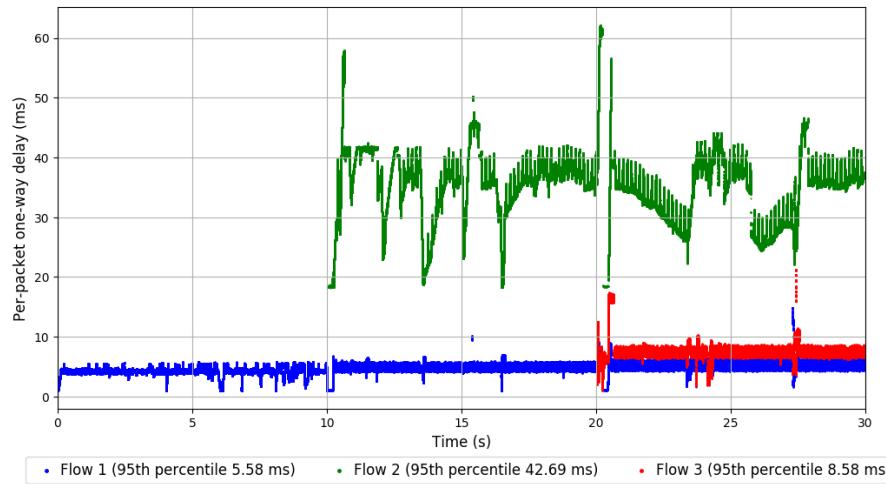
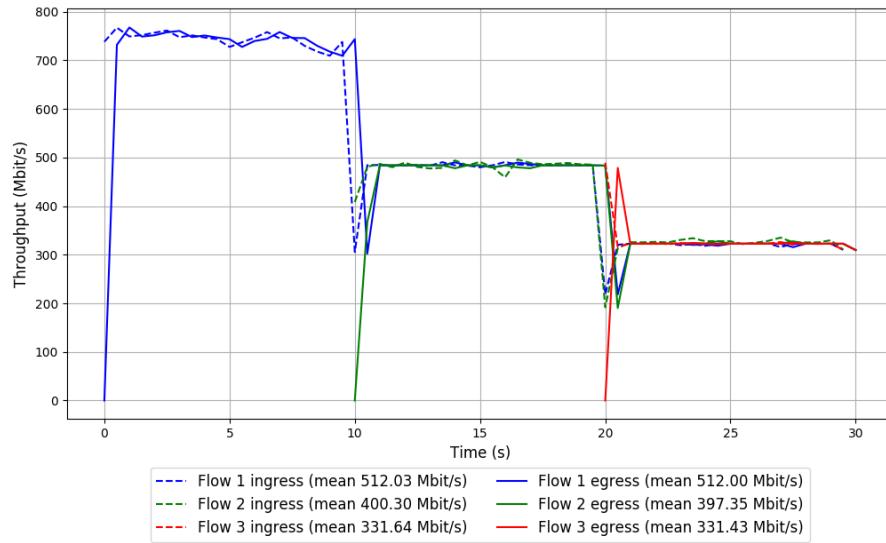


Run 2: Statistics of TCP BBR

```
Start at: 2019-12-11 15:41:03
End at: 2019-12-11 15:41:33
Local clock offset: 3.365 ms
Remote clock offset: 9.834 ms

# Below is generated by plot.py at 2019-12-11 18:03:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 886.58 Mbit/s
95th percentile per-packet one-way delay: 39.980 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 512.00 Mbit/s
95th percentile per-packet one-way delay: 5.576 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 397.35 Mbit/s
95th percentile per-packet one-way delay: 42.689 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 331.43 Mbit/s
95th percentile per-packet one-way delay: 8.583 ms
Loss rate: 0.09%
```

Run 2: Report of TCP BBR — Data Link

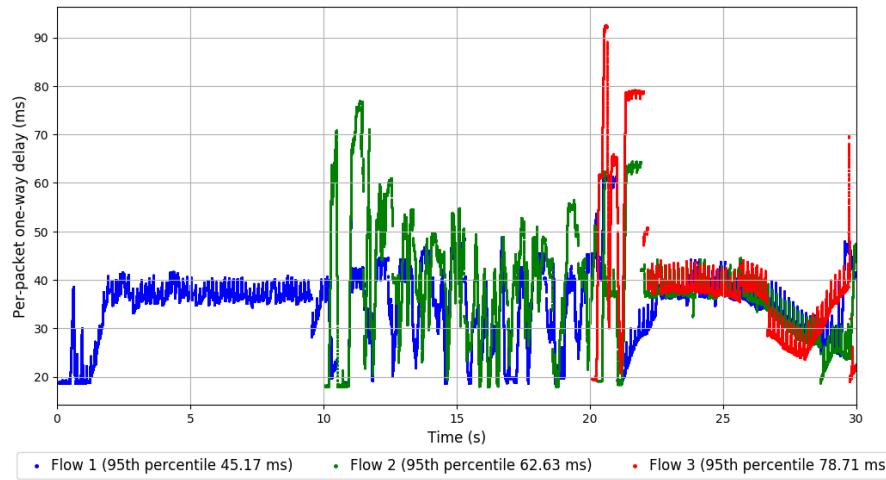
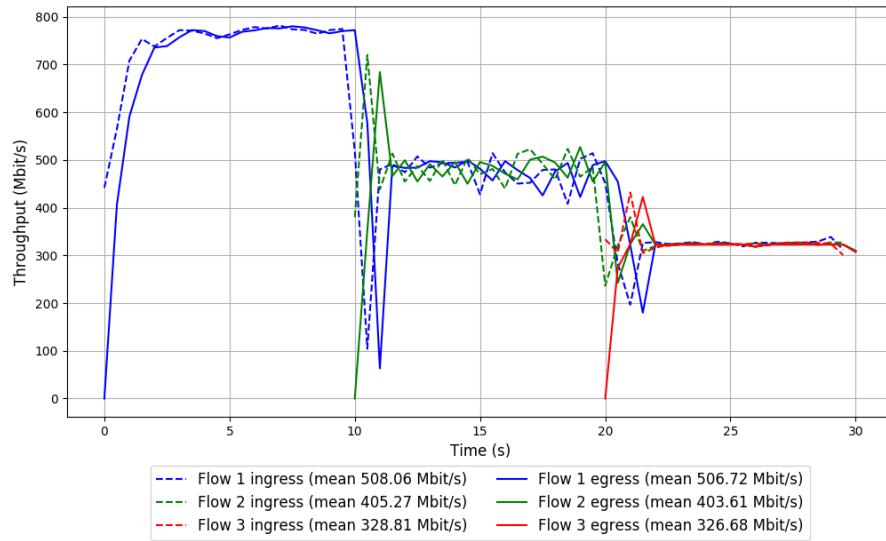


Run 3: Statistics of TCP BBR

```
Start at: 2019-12-11 16:15:40
End at: 2019-12-11 16:16:10
Local clock offset: 3.015 ms
Remote clock offset: -1.363 ms

# Below is generated by plot.py at 2019-12-11 18:03:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 883.74 Mbit/s
95th percentile per-packet one-way delay: 55.276 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 506.72 Mbit/s
95th percentile per-packet one-way delay: 45.171 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 403.61 Mbit/s
95th percentile per-packet one-way delay: 62.631 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 326.68 Mbit/s
95th percentile per-packet one-way delay: 78.713 ms
Loss rate: 0.86%
```

Run 3: Report of TCP BBR — Data Link

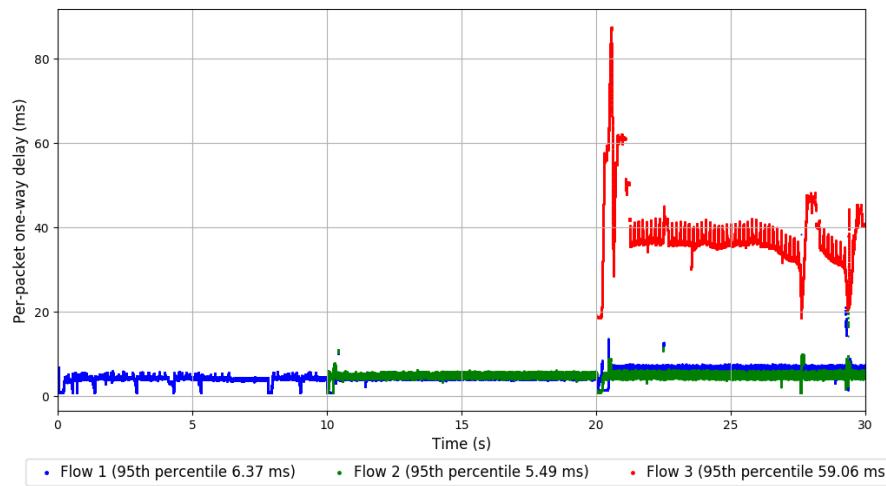
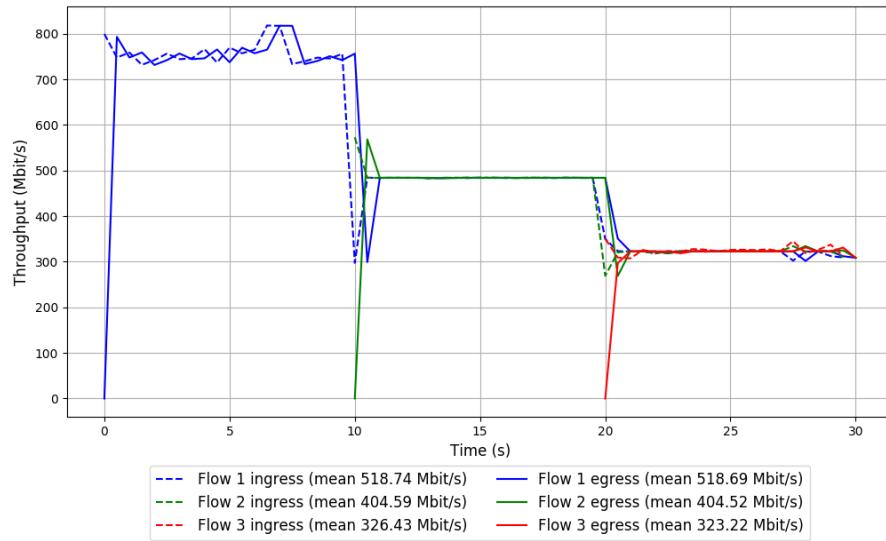


Run 4: Statistics of TCP BBR

```
Start at: 2019-12-11 16:50:45
End at: 2019-12-11 16:51:15
Local clock offset: 2.866 ms
Remote clock offset: -4.857 ms

# Below is generated by plot.py at 2019-12-11 18:03:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 895.37 Mbit/s
95th percentile per-packet one-way delay: 36.561 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 518.69 Mbit/s
95th percentile per-packet one-way delay: 6.365 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 404.52 Mbit/s
95th percentile per-packet one-way delay: 5.492 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 323.22 Mbit/s
95th percentile per-packet one-way delay: 59.064 ms
Loss rate: 1.17%
```

Run 4: Report of TCP BBR — Data Link

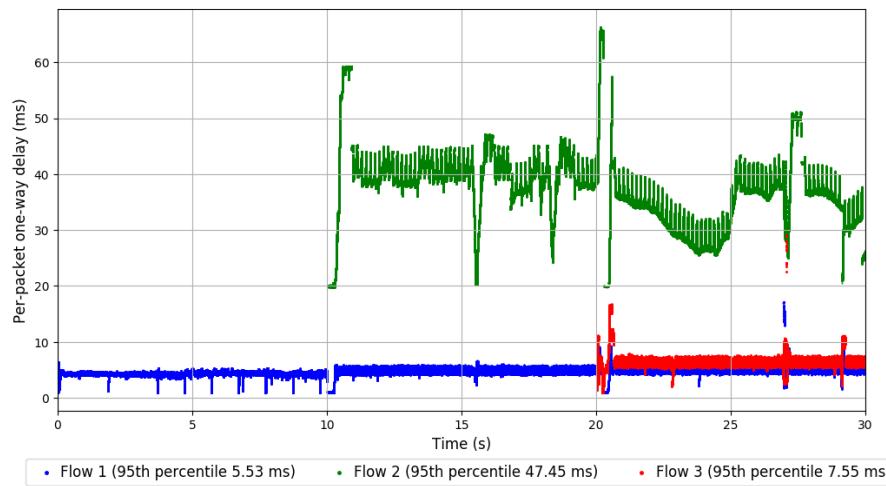
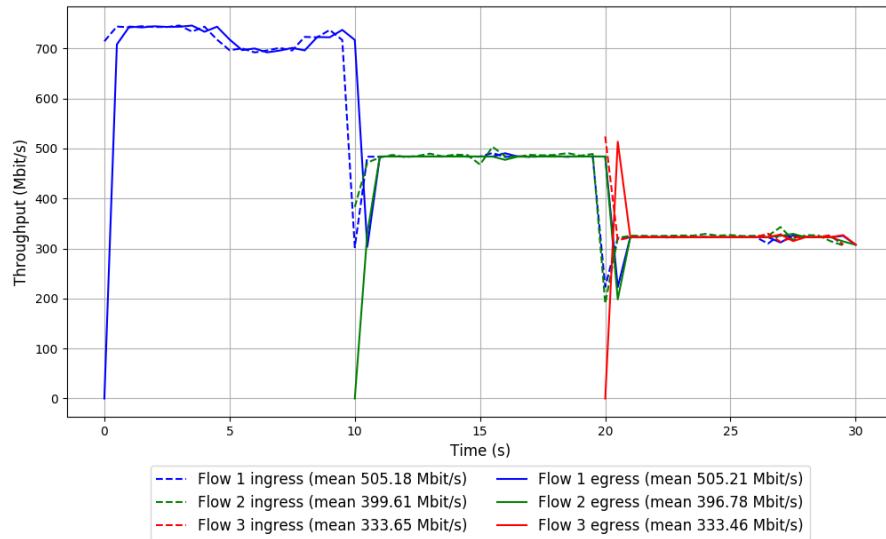


Run 5: Statistics of TCP BBR

```
Start at: 2019-12-11 17:25:52
End at: 2019-12-11 17:26:22
Local clock offset: 3.502 ms
Remote clock offset: 3.561 ms

# Below is generated by plot.py at 2019-12-11 18:03:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 879.91 Mbit/s
95th percentile per-packet one-way delay: 42.280 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 505.21 Mbit/s
95th percentile per-packet one-way delay: 5.532 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 396.78 Mbit/s
95th percentile per-packet one-way delay: 47.449 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 333.46 Mbit/s
95th percentile per-packet one-way delay: 7.546 ms
Loss rate: 0.07%
```

Run 5: Report of TCP BBR — Data Link

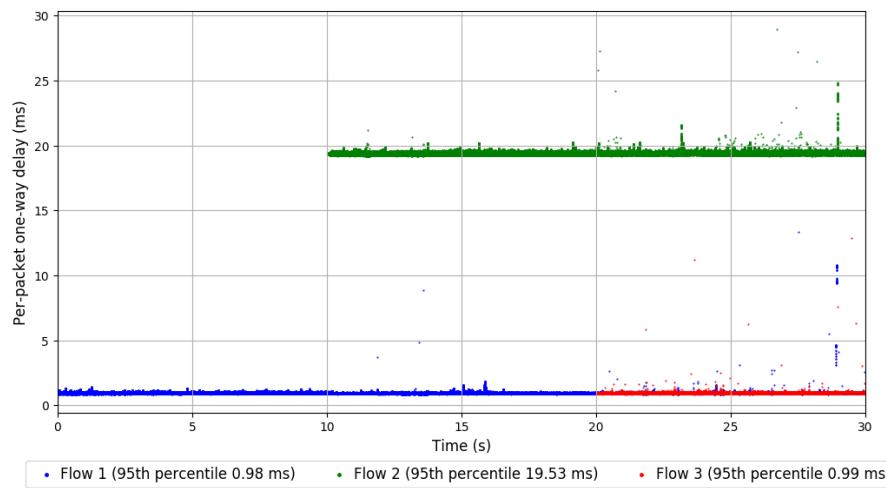
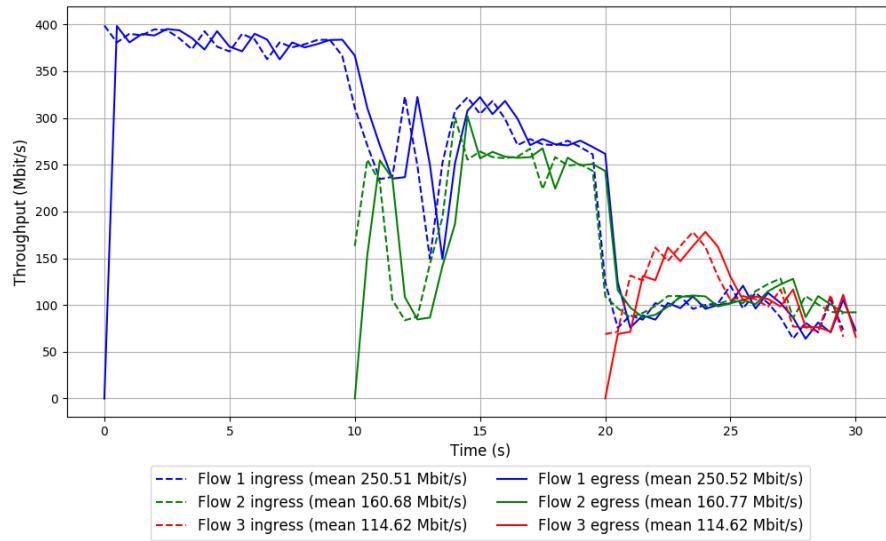


Run 1: Statistics of Copa

```
Start at: 2019-12-11 15:14:44
End at: 2019-12-11 15:15:14
Local clock offset: 3.21 ms
Remote clock offset: 6.655 ms

# Below is generated by plot.py at 2019-12-11 18:03:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 395.43 Mbit/s
95th percentile per-packet one-way delay: 19.455 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 250.52 Mbit/s
95th percentile per-packet one-way delay: 0.983 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 160.77 Mbit/s
95th percentile per-packet one-way delay: 19.530 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 114.62 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 0.01%
```

Run 1: Report of Copa — Data Link

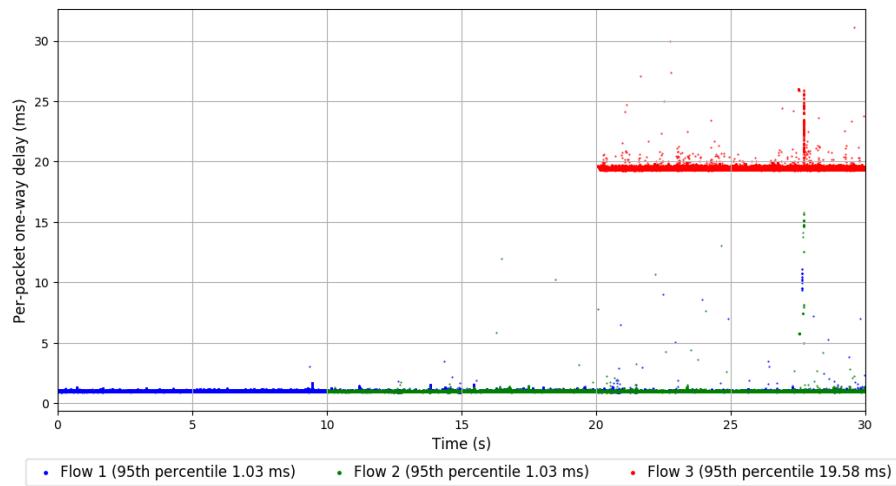
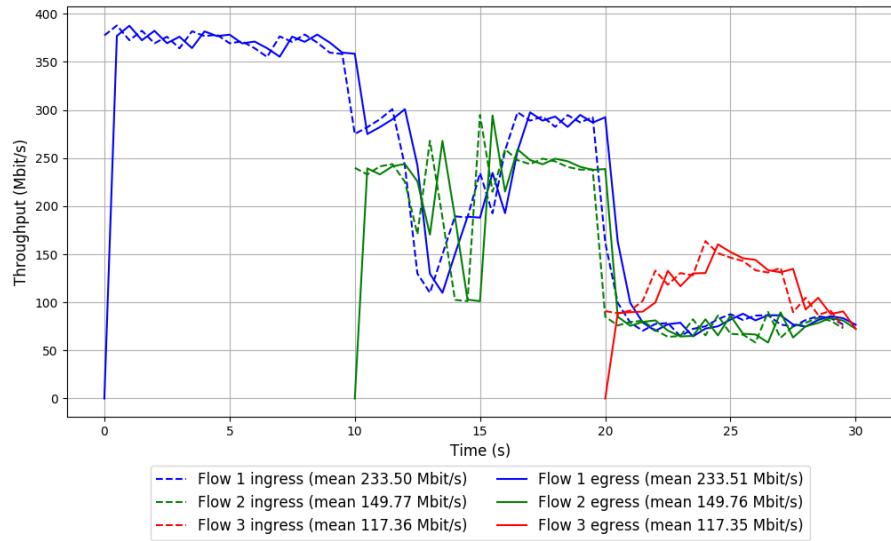


Run 2: Statistics of Copa

```
Start at: 2019-12-11 15:49:43
End at: 2019-12-11 15:50:13
Local clock offset: 3.222 ms
Remote clock offset: 10.857 ms

# Below is generated by plot.py at 2019-12-11 18:03:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 372.07 Mbit/s
95th percentile per-packet one-way delay: 19.446 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 233.51 Mbit/s
95th percentile per-packet one-way delay: 1.029 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 149.76 Mbit/s
95th percentile per-packet one-way delay: 1.027 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 117.35 Mbit/s
95th percentile per-packet one-way delay: 19.576 ms
Loss rate: 0.21%
```

Run 2: Report of Copa — Data Link

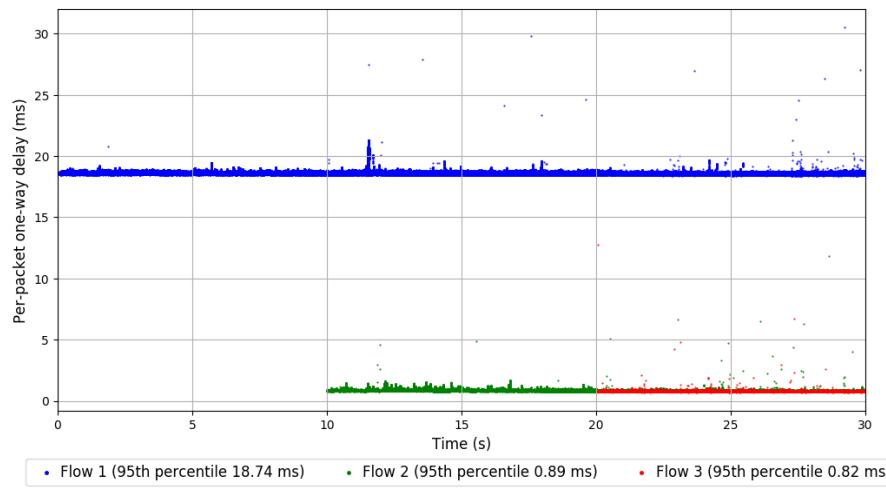
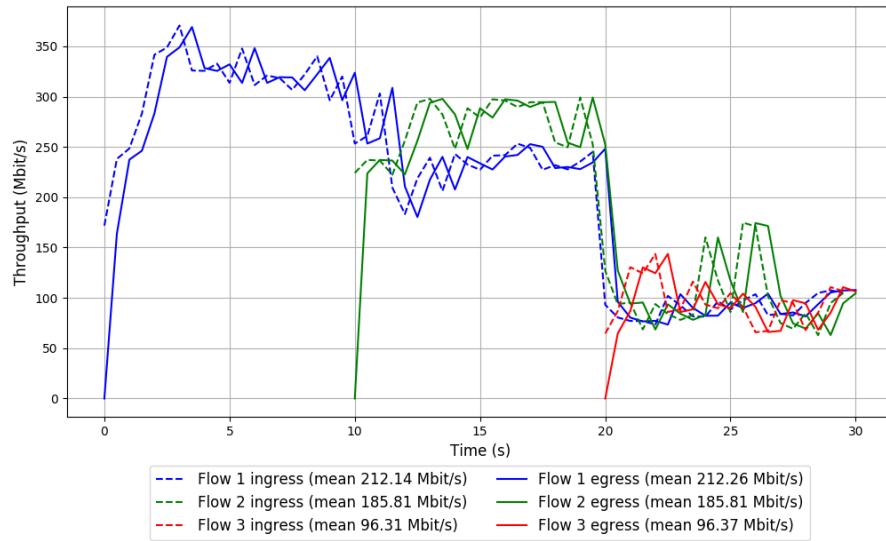


Run 3: Statistics of Copa

```
Start at: 2019-12-11 16:24:26
End at: 2019-12-11 16:24:56
Local clock offset: 2.958 ms
Remote clock offset: -2.514 ms

# Below is generated by plot.py at 2019-12-11 18:03:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 368.04 Mbit/s
95th percentile per-packet one-way delay: 18.710 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 212.26 Mbit/s
95th percentile per-packet one-way delay: 18.736 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 185.81 Mbit/s
95th percentile per-packet one-way delay: 0.890 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 0.824 ms
Loss rate: 0.02%
```

Run 3: Report of Copa — Data Link

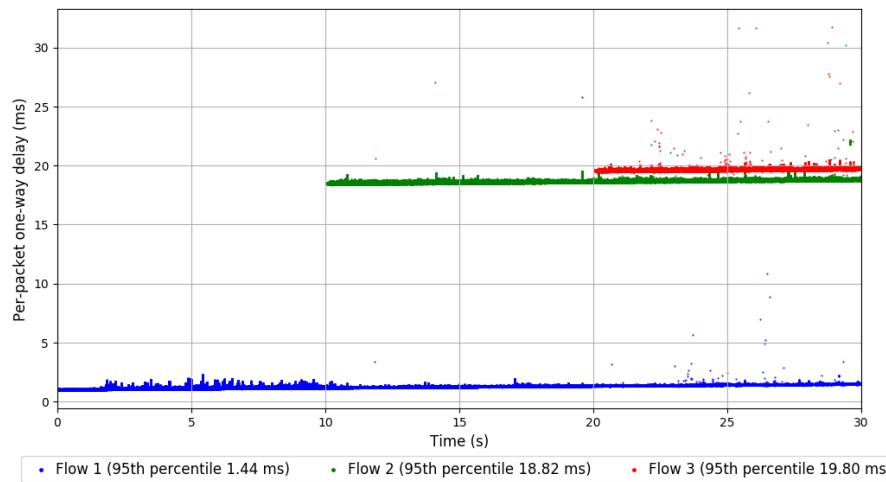
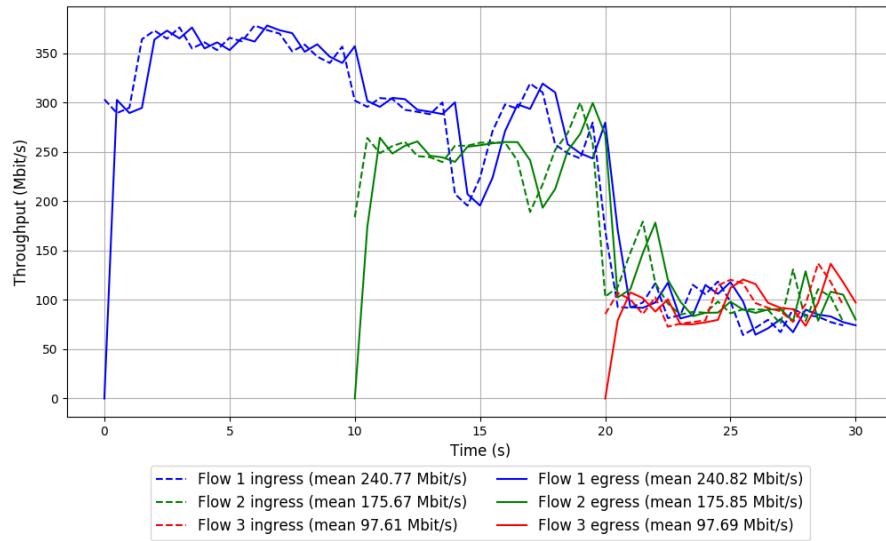


Run 4: Statistics of Copa

```
Start at: 2019-12-11 16:59:26
End at: 2019-12-11 16:59:56
Local clock offset: 2.847 ms
Remote clock offset: -5.474 ms

# Below is generated by plot.py at 2019-12-11 18:08:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 390.08 Mbit/s
95th percentile per-packet one-way delay: 19.635 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 240.82 Mbit/s
95th percentile per-packet one-way delay: 1.436 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 175.85 Mbit/s
95th percentile per-packet one-way delay: 18.823 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 97.69 Mbit/s
95th percentile per-packet one-way delay: 19.797 ms
Loss rate: 0.17%
```

Run 4: Report of Copa — Data Link

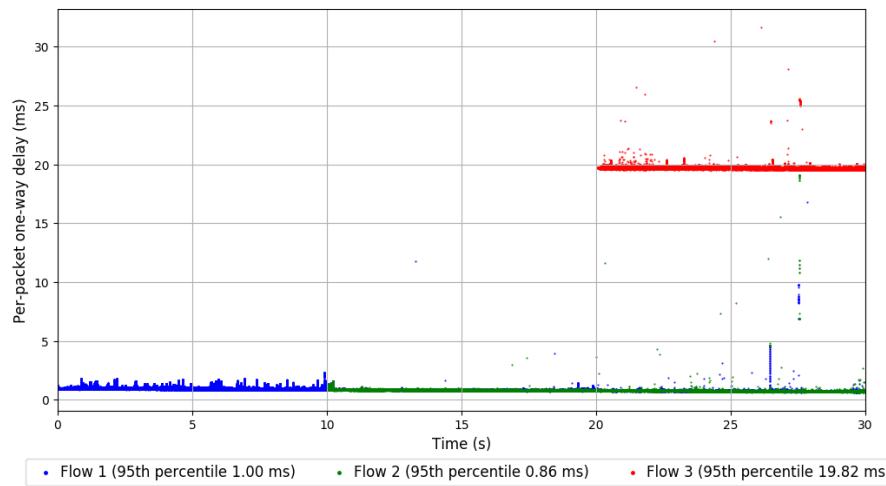
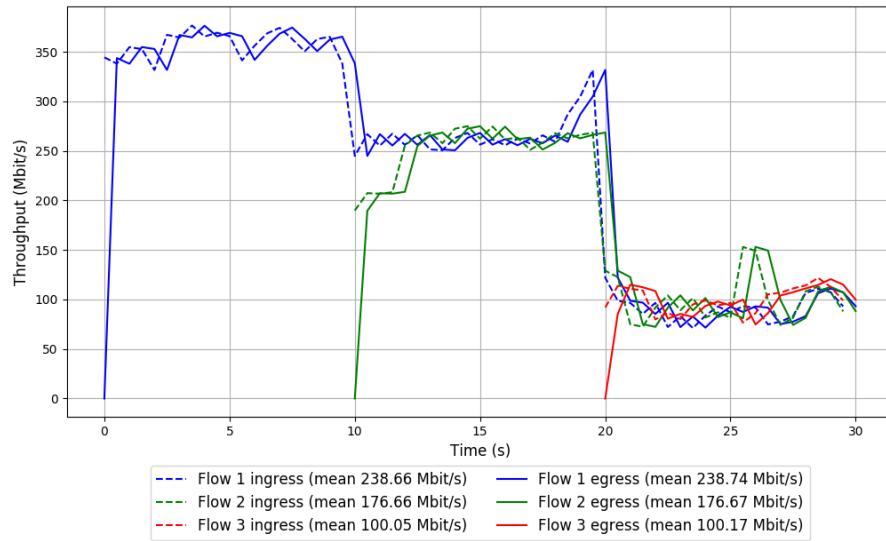


Run 5: Statistics of Copa

```
Start at: 2019-12-11 17:34:29
End at: 2019-12-11 17:34:59
Local clock offset: 3.626 ms
Remote clock offset: 3.826 ms

# Below is generated by plot.py at 2019-12-11 18:08:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 389.47 Mbit/s
95th percentile per-packet one-way delay: 19.669 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 238.74 Mbit/s
95th percentile per-packet one-way delay: 0.997 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.67 Mbit/s
95th percentile per-packet one-way delay: 0.864 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 100.17 Mbit/s
95th percentile per-packet one-way delay: 19.819 ms
Loss rate: 0.11%
```

Run 5: Report of Copa — Data Link

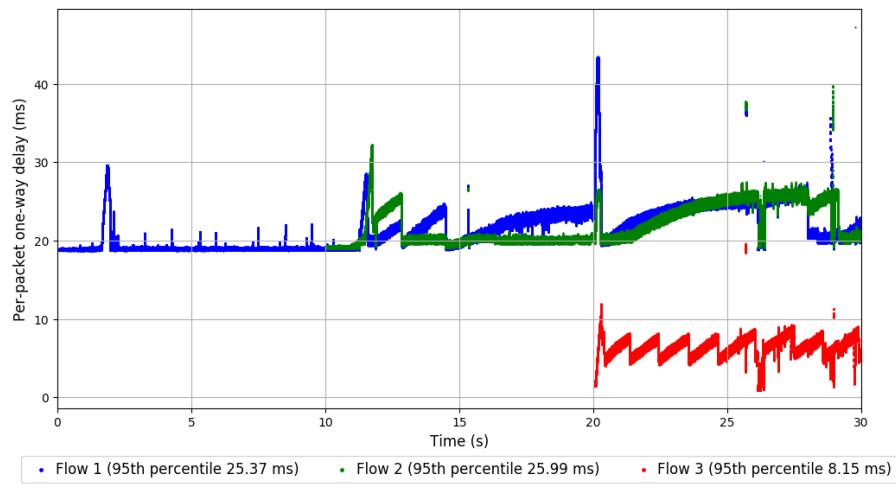
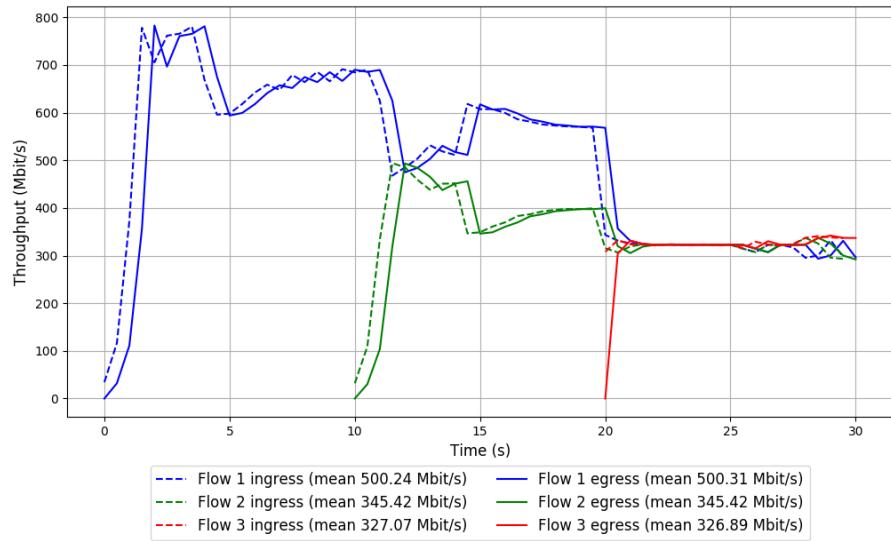


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-12-11 14:56:00
End at: 2019-12-11 14:56:30
Local clock offset: 3.127 ms
Remote clock offset: 3.43 ms

# Below is generated by plot.py at 2019-12-11 18:10:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 838.96 Mbit/s
95th percentile per-packet one-way delay: 25.681 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 500.31 Mbit/s
95th percentile per-packet one-way delay: 25.366 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 345.42 Mbit/s
95th percentile per-packet one-way delay: 25.989 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 326.89 Mbit/s
95th percentile per-packet one-way delay: 8.154 ms
Loss rate: 0.07%
```

Run 1: Report of TCP Cubic — Data Link

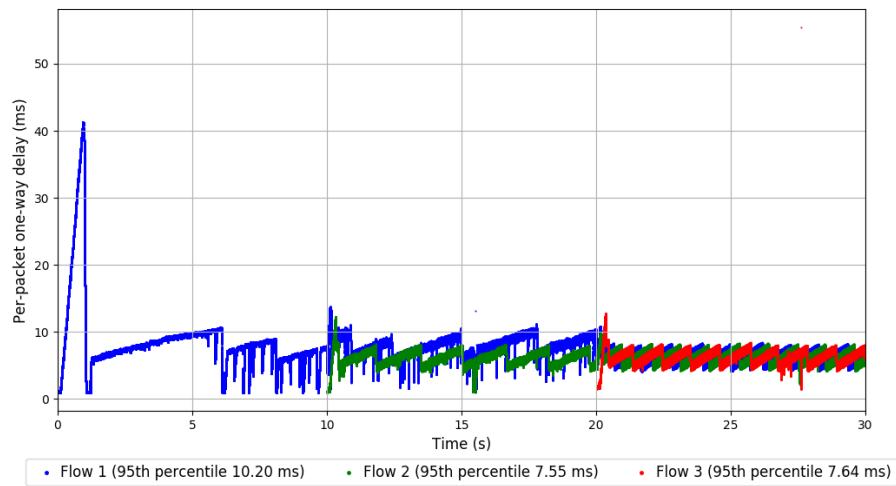
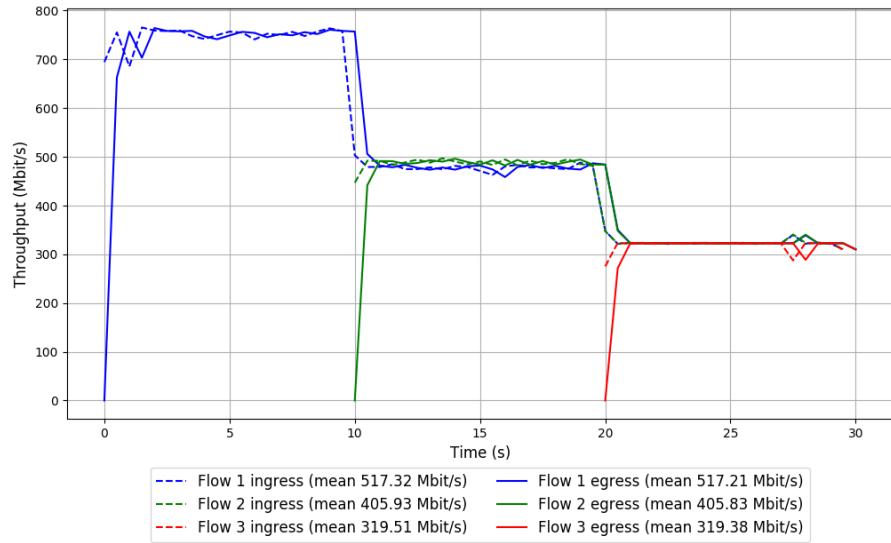


Run 2: Statistics of TCP Cubic

```
Start at: 2019-12-11 15:30:50
End at: 2019-12-11 15:31:20
Local clock offset: 3.365 ms
Remote clock offset: 8.661 ms

# Below is generated by plot.py at 2019-12-11 18:11:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 893.59 Mbit/s
95th percentile per-packet one-way delay: 9.756 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 517.21 Mbit/s
95th percentile per-packet one-way delay: 10.199 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 405.83 Mbit/s
95th percentile per-packet one-way delay: 7.546 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 319.38 Mbit/s
95th percentile per-packet one-way delay: 7.636 ms
Loss rate: 0.06%
```

Run 2: Report of TCP Cubic — Data Link

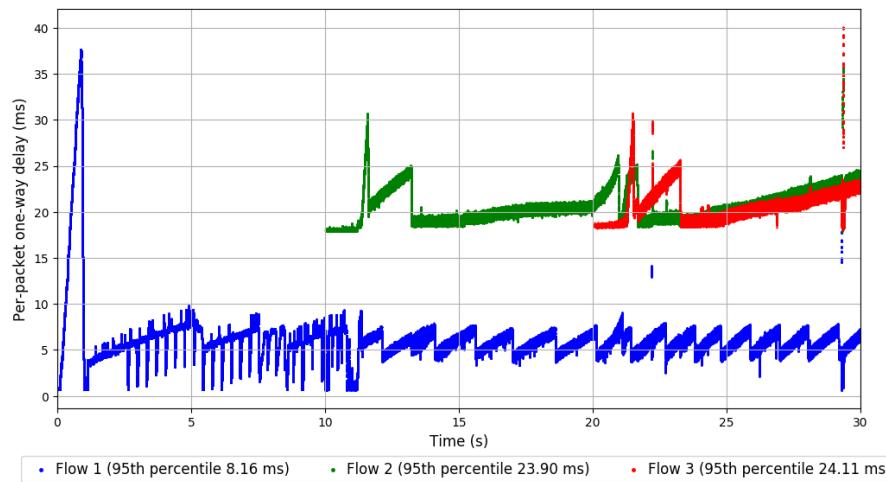
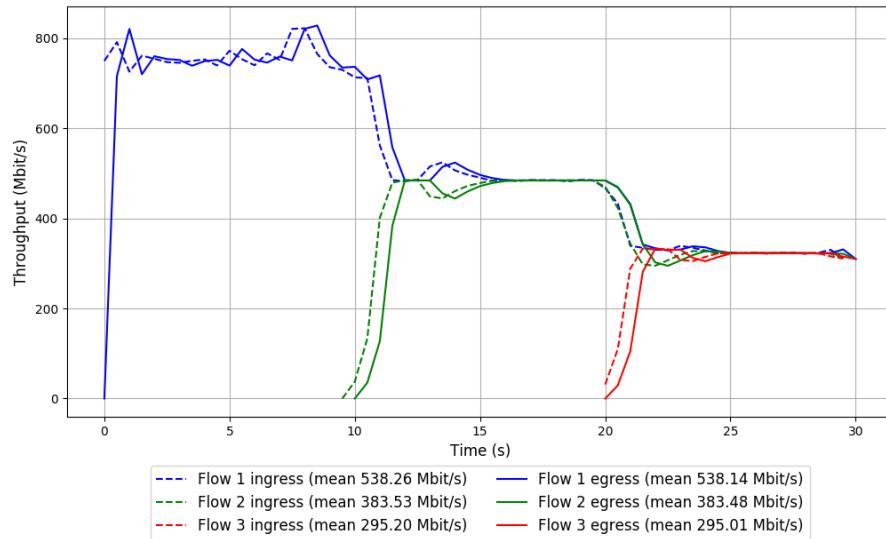


Run 3: Statistics of TCP Cubic

```
Start at: 2019-12-11 16:05:46
End at: 2019-12-11 16:06:16
Local clock offset: 3.165 ms
Remote clock offset: 0.876 ms

# Below is generated by plot.py at 2019-12-11 18:12:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 891.37 Mbit/s
95th percentile per-packet one-way delay: 23.249 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 538.14 Mbit/s
95th percentile per-packet one-way delay: 8.159 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 383.48 Mbit/s
95th percentile per-packet one-way delay: 23.904 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 295.01 Mbit/s
95th percentile per-packet one-way delay: 24.115 ms
Loss rate: 0.26%
```

Run 3: Report of TCP Cubic — Data Link

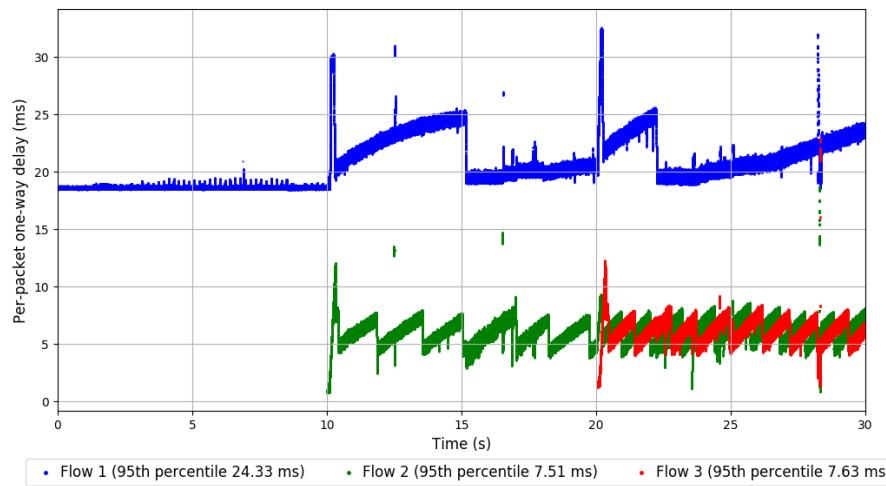
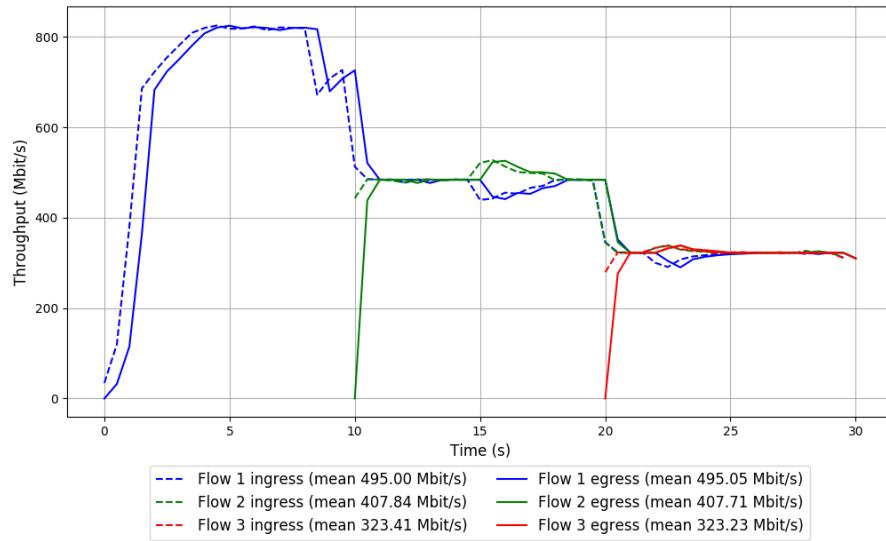


Run 4: Statistics of TCP Cubic

```
Start at: 2019-12-11 16:40:34
End at: 2019-12-11 16:41:04
Local clock offset: 2.861 ms
Remote clock offset: -3.968 ms

# Below is generated by plot.py at 2019-12-11 18:12:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 874.26 Mbit/s
95th percentile per-packet one-way delay: 23.835 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 495.05 Mbit/s
95th percentile per-packet one-way delay: 24.328 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 407.71 Mbit/s
95th percentile per-packet one-way delay: 7.506 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 323.23 Mbit/s
95th percentile per-packet one-way delay: 7.633 ms
Loss rate: 0.08%
```

Run 4: Report of TCP Cubic — Data Link

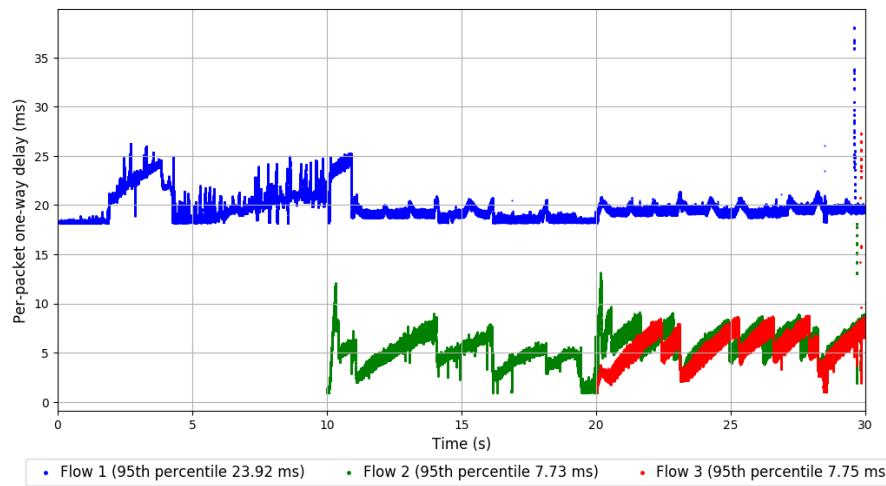
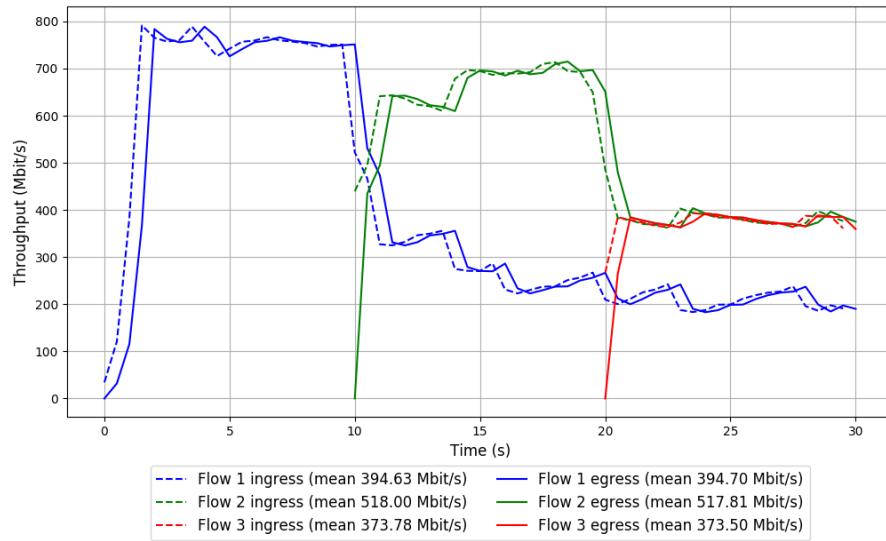


Run 5: Statistics of TCP Cubic

```
Start at: 2019-12-11 17:15:36
End at: 2019-12-11 17:16:06
Local clock offset: 3.232 ms
Remote clock offset: 2.312 ms

# Below is generated by plot.py at 2019-12-11 18:12:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 863.96 Mbit/s
95th percentile per-packet one-way delay: 22.882 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 394.70 Mbit/s
95th percentile per-packet one-way delay: 23.924 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 517.81 Mbit/s
95th percentile per-packet one-way delay: 7.732 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 373.50 Mbit/s
95th percentile per-packet one-way delay: 7.749 ms
Loss rate: 0.09%
```

Run 5: Report of TCP Cubic — Data Link

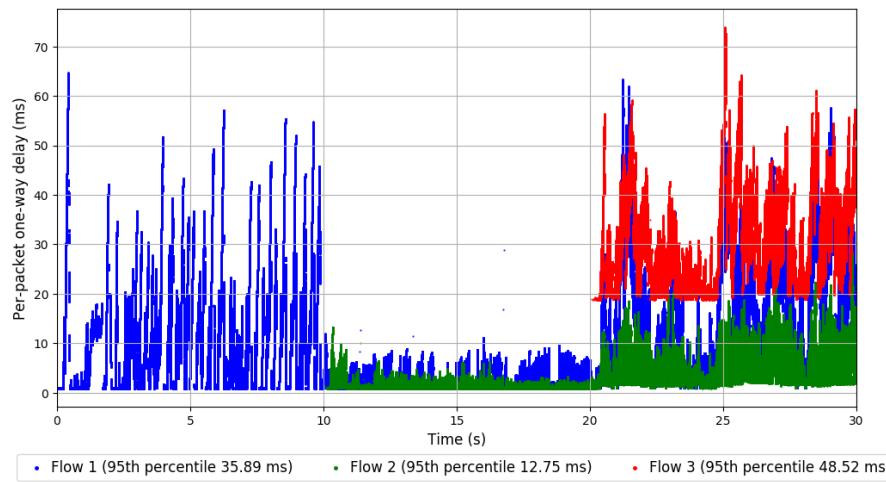
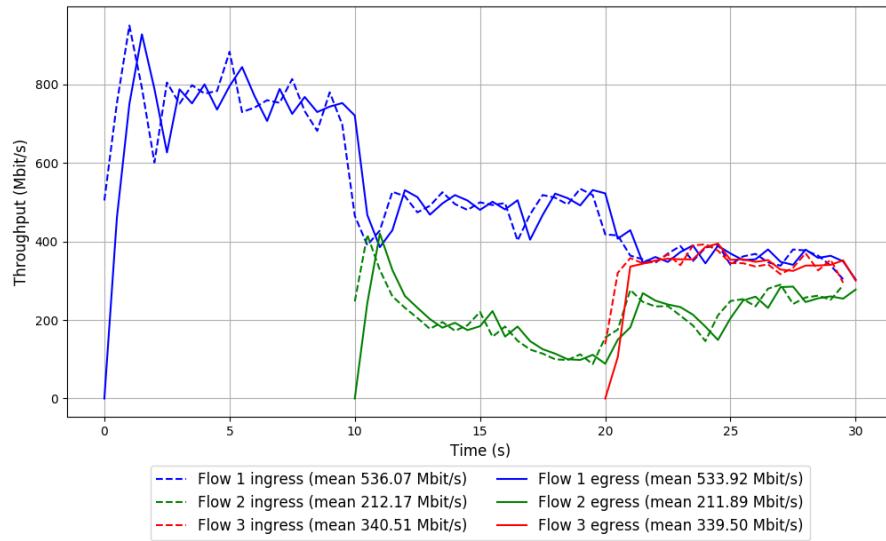


```
Run 1: Statistics of FillP

Start at: 2019-12-11 15:19:16
End at: 2019-12-11 15:19:46
Local clock offset: 3.256 ms
Remote clock offset: 7.254 ms

# Below is generated by plot.py at 2019-12-11 18:13:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 786.84 Mbit/s
95th percentile per-packet one-way delay: 39.832 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 533.92 Mbit/s
95th percentile per-packet one-way delay: 35.886 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 211.89 Mbit/s
95th percentile per-packet one-way delay: 12.750 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 339.50 Mbit/s
95th percentile per-packet one-way delay: 48.521 ms
Loss rate: 0.34%
```

Run 1: Report of FillP — Data Link

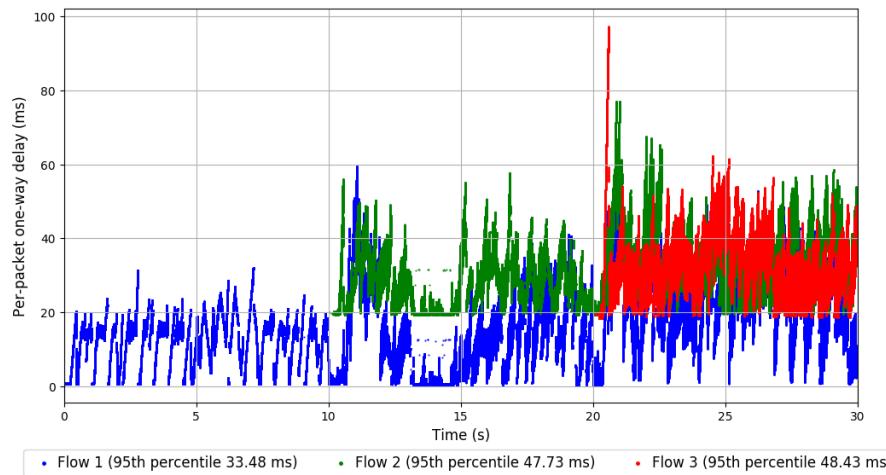
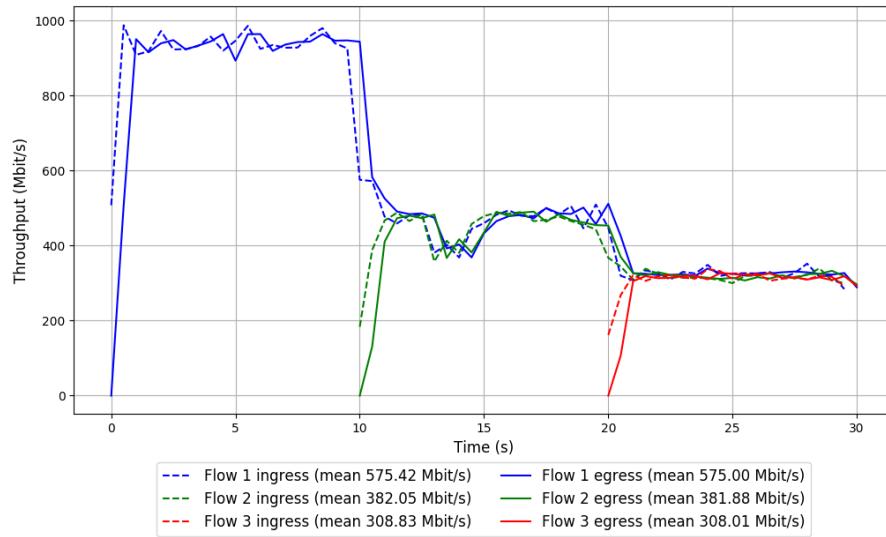


Run 2: Statistics of FillP

```
Start at: 2019-12-11 15:54:13
End at: 2019-12-11 15:54:43
Local clock offset: 3.197 ms
Remote clock offset: 7.357 ms

# Below is generated by plot.py at 2019-12-11 18:21:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 930.49 Mbit/s
95th percentile per-packet one-way delay: 42.781 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 575.00 Mbit/s
95th percentile per-packet one-way delay: 33.475 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 381.88 Mbit/s
95th percentile per-packet one-way delay: 47.734 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 308.01 Mbit/s
95th percentile per-packet one-way delay: 48.427 ms
Loss rate: 0.34%
```

Run 2: Report of FillP — Data Link

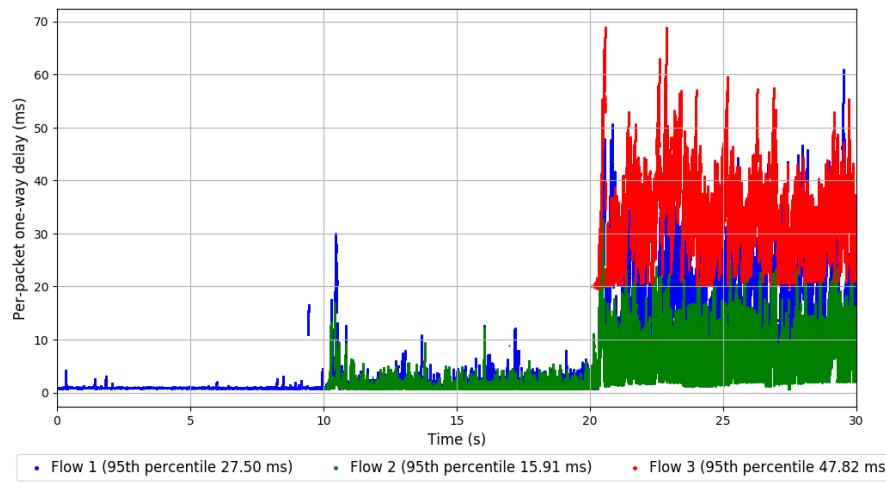
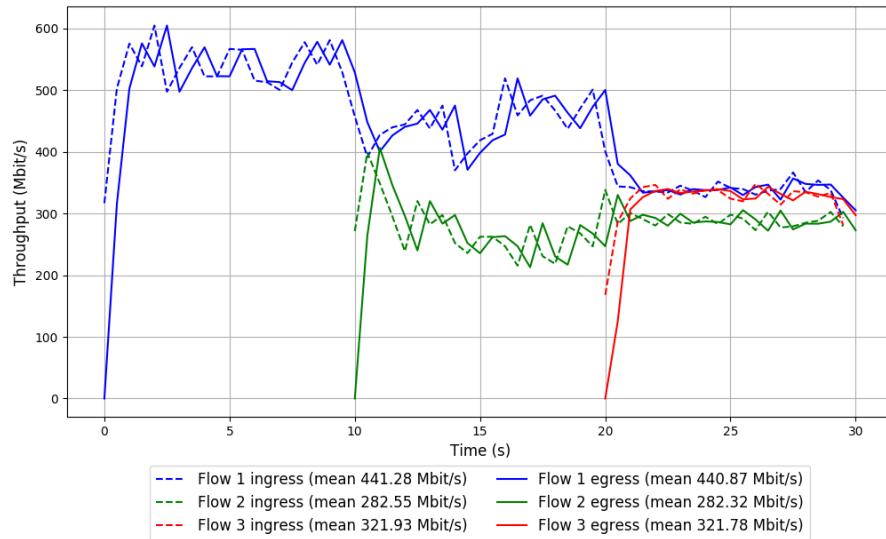


Run 3: Statistics of FillP

```
Start at: 2019-12-11 16:28:52
End at: 2019-12-11 16:29:22
Local clock offset: 2.921 ms
Remote clock offset: -2.973 ms

# Below is generated by plot.py at 2019-12-11 18:21:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 735.18 Mbit/s
95th percentile per-packet one-way delay: 36.825 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 440.87 Mbit/s
95th percentile per-packet one-way delay: 27.501 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 282.32 Mbit/s
95th percentile per-packet one-way delay: 15.914 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 321.78 Mbit/s
95th percentile per-packet one-way delay: 47.822 ms
Loss rate: 0.26%
```

Run 3: Report of FillP — Data Link

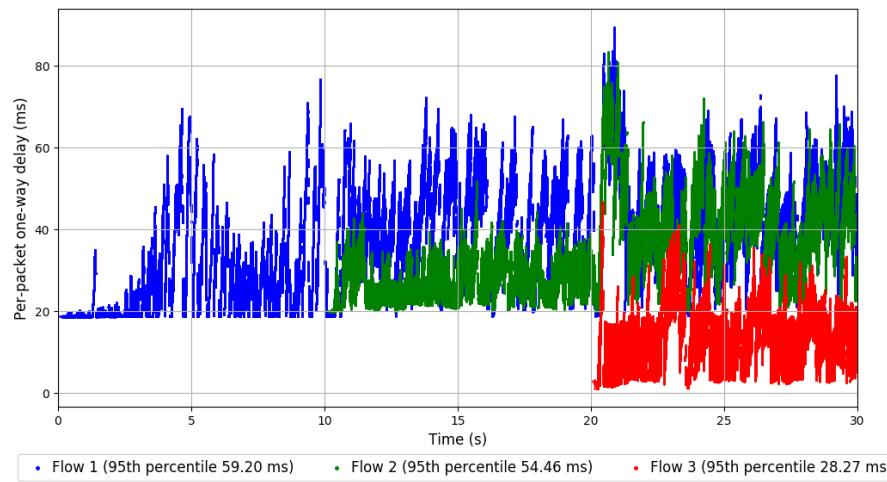
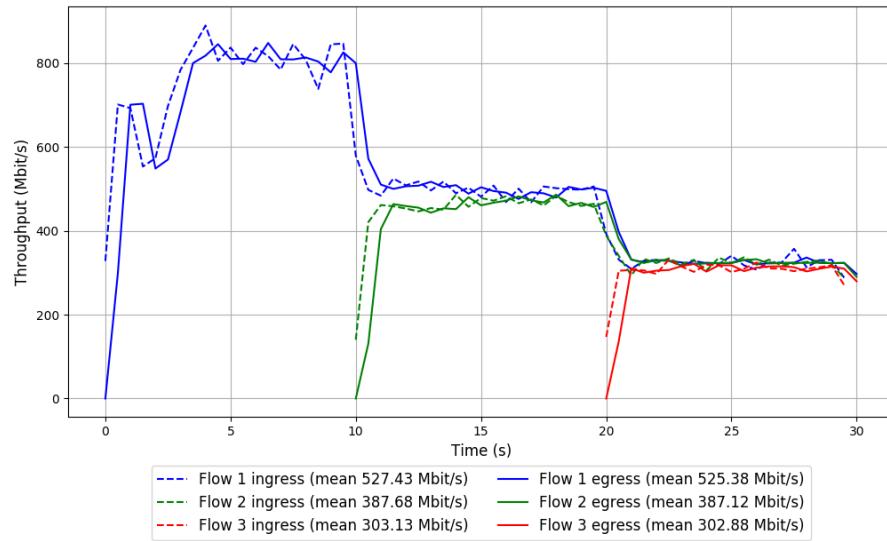


Run 4: Statistics of FillP

```
Start at: 2019-12-11 17:03:55
End at: 2019-12-11 17:04:25
Local clock offset: 2.856 ms
Remote clock offset: -1.866 ms

# Below is generated by plot.py at 2019-12-11 18:22:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 883.11 Mbit/s
95th percentile per-packet one-way delay: 57.389 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 525.38 Mbit/s
95th percentile per-packet one-way delay: 59.202 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 387.12 Mbit/s
95th percentile per-packet one-way delay: 54.462 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 302.88 Mbit/s
95th percentile per-packet one-way delay: 28.269 ms
Loss rate: 0.12%
```

Run 4: Report of FillP — Data Link

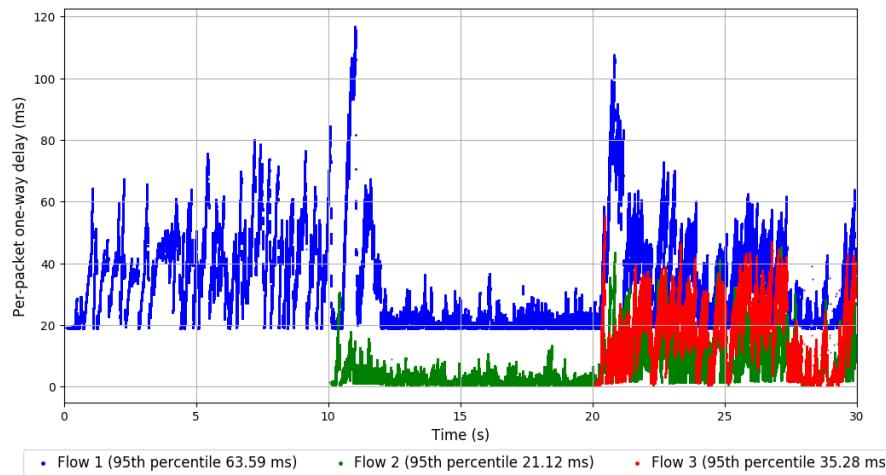
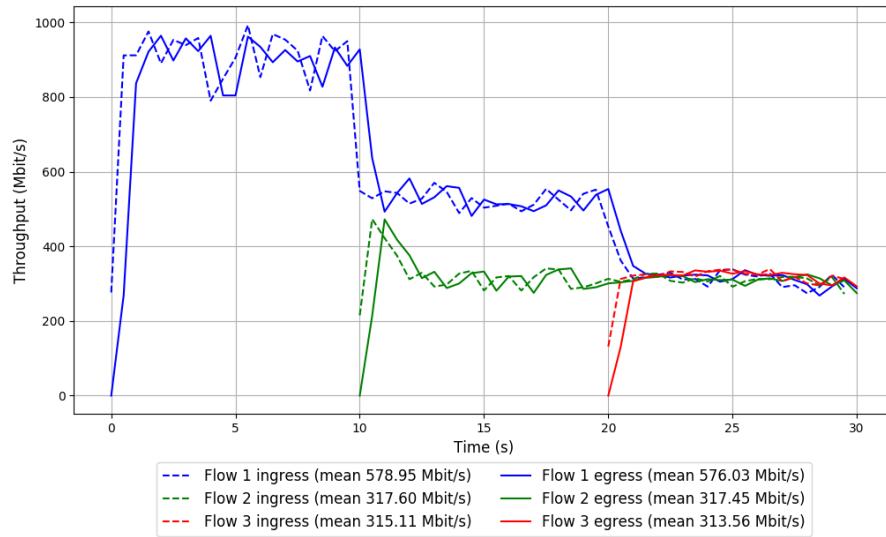


```
Run 5: Statistics of FillP
```

```
Start at: 2019-12-11 17:38:58
End at: 2019-12-11 17:39:28
Local clock offset: 3.659 ms
Remote clock offset: 2.318 ms

# Below is generated by plot.py at 2019-12-11 18:23:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 890.96 Mbit/s
95th percentile per-packet one-way delay: 57.967 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 576.03 Mbit/s
95th percentile per-packet one-way delay: 63.595 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 317.45 Mbit/s
95th percentile per-packet one-way delay: 21.117 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 313.56 Mbit/s
95th percentile per-packet one-way delay: 35.279 ms
Loss rate: 0.48%
```

Run 5: Report of FillP — Data Link

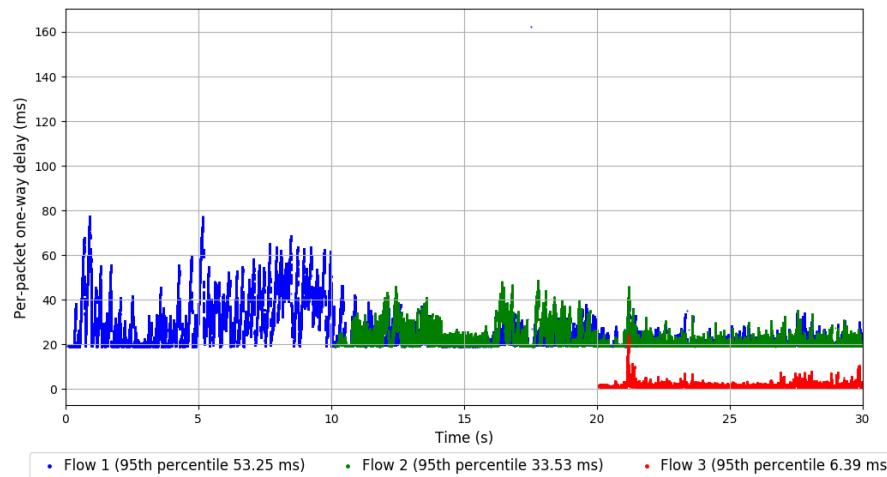
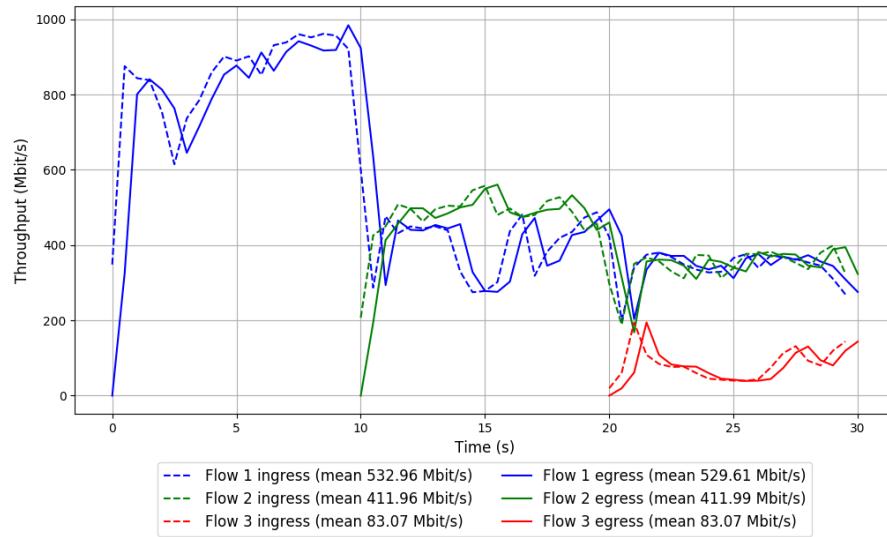


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-12-11 14:59:11
End at: 2019-12-11 14:59:41
Local clock offset: 3.136 ms
Remote clock offset: 4.101 ms

# Below is generated by plot.py at 2019-12-11 18:23:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 831.06 Mbit/s
95th percentile per-packet one-way delay: 49.211 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 529.61 Mbit/s
95th percentile per-packet one-way delay: 53.253 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 411.99 Mbit/s
95th percentile per-packet one-way delay: 33.532 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 83.07 Mbit/s
95th percentile per-packet one-way delay: 6.388 ms
Loss rate: 0.02%
```

Run 1: Report of FillP-Sheep — Data Link

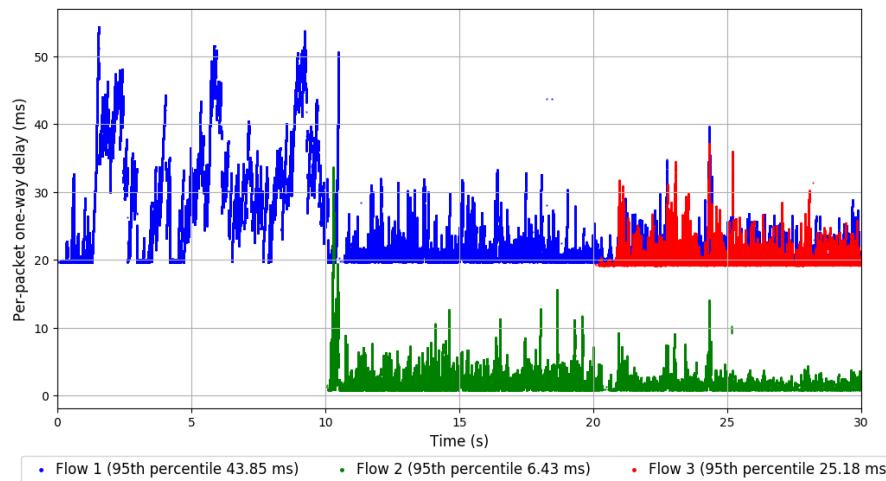
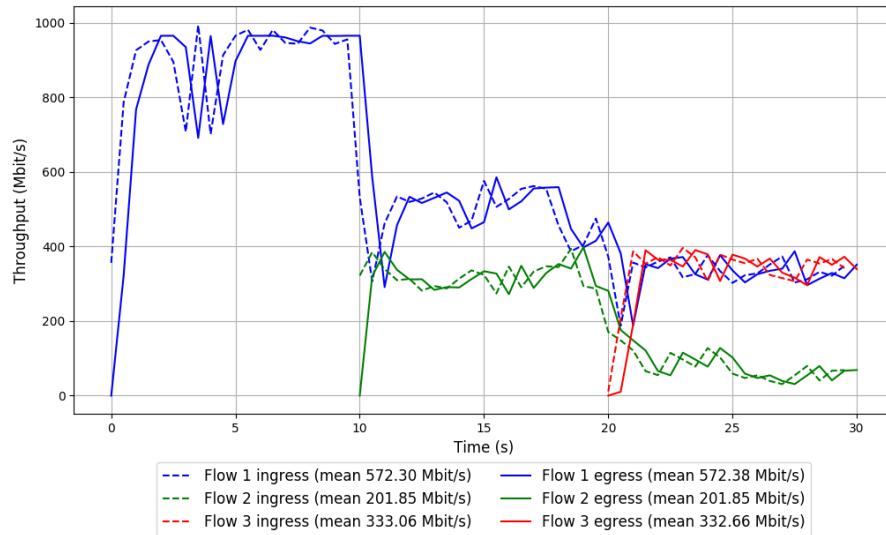


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-12-11 15:34:09
End at: 2019-12-11 15:34:40
Local clock offset: 3.369 ms
Remote clock offset: 9.145 ms

# Below is generated by plot.py at 2019-12-11 18:23:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 816.41 Mbit/s
95th percentile per-packet one-way delay: 41.967 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 572.38 Mbit/s
95th percentile per-packet one-way delay: 43.854 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 201.85 Mbit/s
95th percentile per-packet one-way delay: 6.427 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 332.66 Mbit/s
95th percentile per-packet one-way delay: 25.175 ms
Loss rate: 0.24%
```

Run 2: Report of FillP-Sheep — Data Link

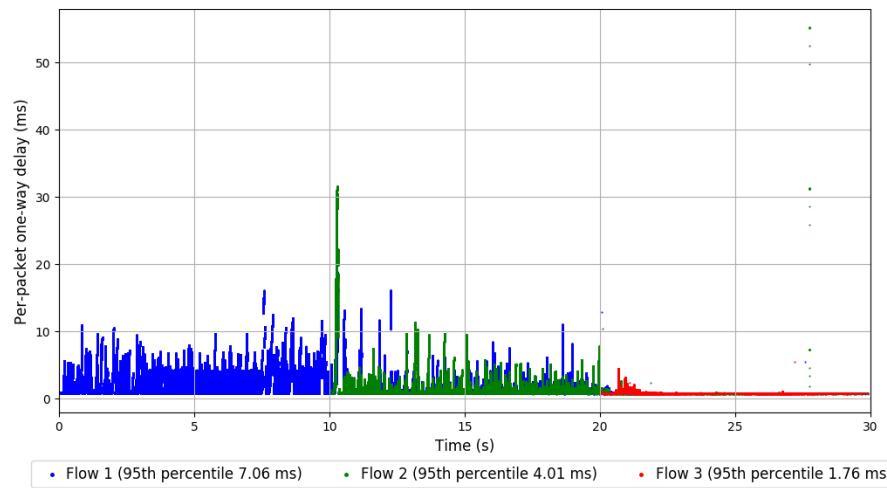
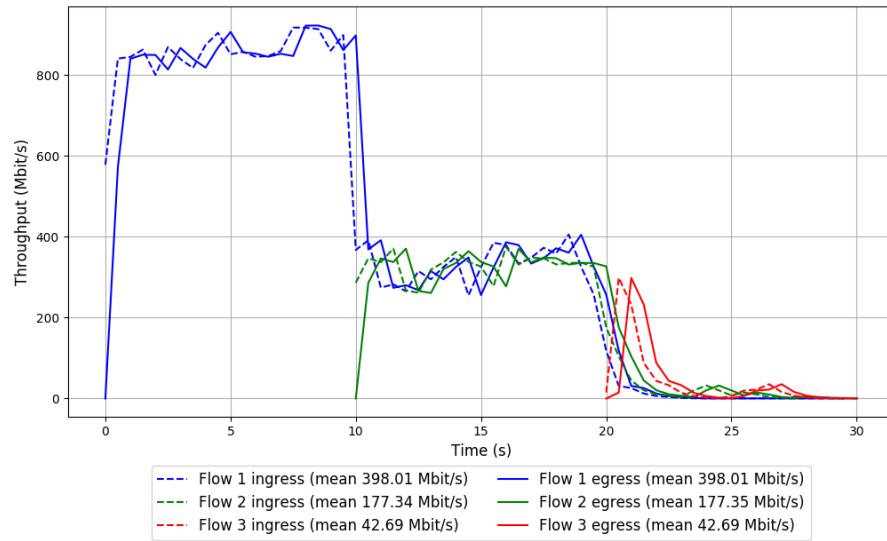


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-12-11 16:08:59
End at: 2019-12-11 16:09:29
Local clock offset: 3.18 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2019-12-11 18:23:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 529.94 Mbit/s
95th percentile per-packet one-way delay: 6.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 398.01 Mbit/s
95th percentile per-packet one-way delay: 7.060 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.35 Mbit/s
95th percentile per-packet one-way delay: 4.010 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.69 Mbit/s
95th percentile per-packet one-way delay: 1.758 ms
Loss rate: 0.00%
```

Run 3: Report of FillP-Sheep — Data Link

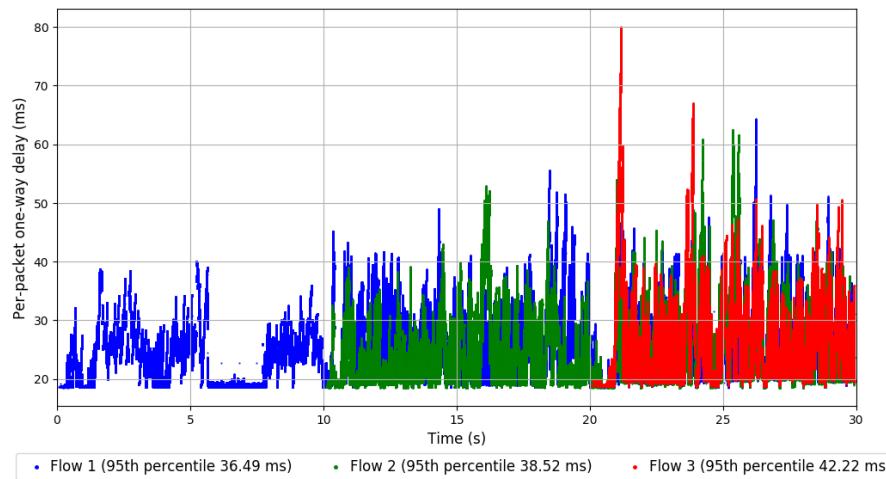
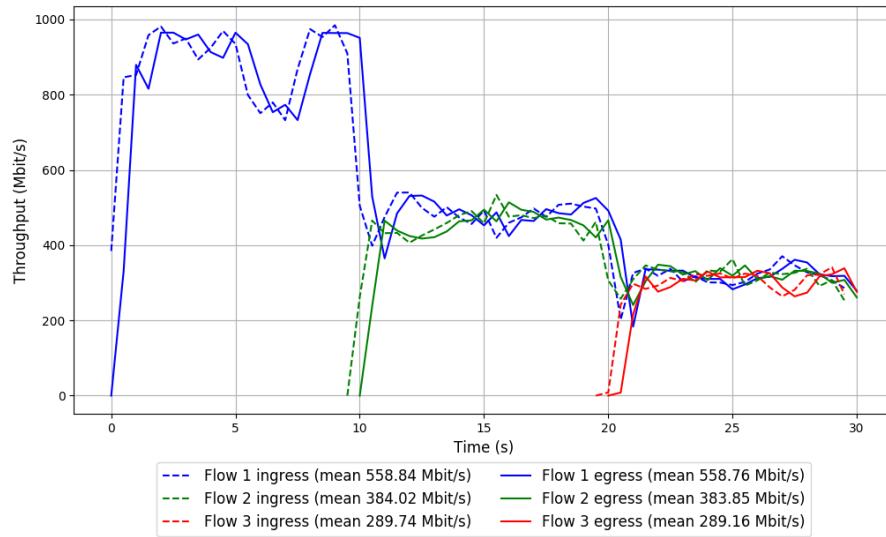


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-12-11 16:43:50
End at: 2019-12-11 16:44:20
Local clock offset: 2.893 ms
Remote clock offset: -4.321 ms

# Below is generated by plot.py at 2019-12-11 18:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 910.12 Mbit/s
95th percentile per-packet one-way delay: 37.501 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 558.76 Mbit/s
95th percentile per-packet one-way delay: 36.494 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 383.85 Mbit/s
95th percentile per-packet one-way delay: 38.522 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 289.16 Mbit/s
95th percentile per-packet one-way delay: 42.220 ms
Loss rate: 0.26%
```

Run 4: Report of FillP-Sheep — Data Link

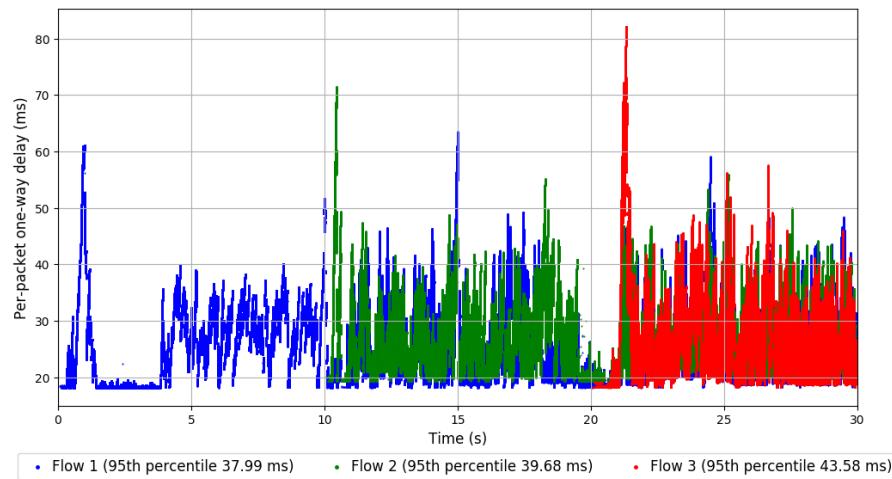
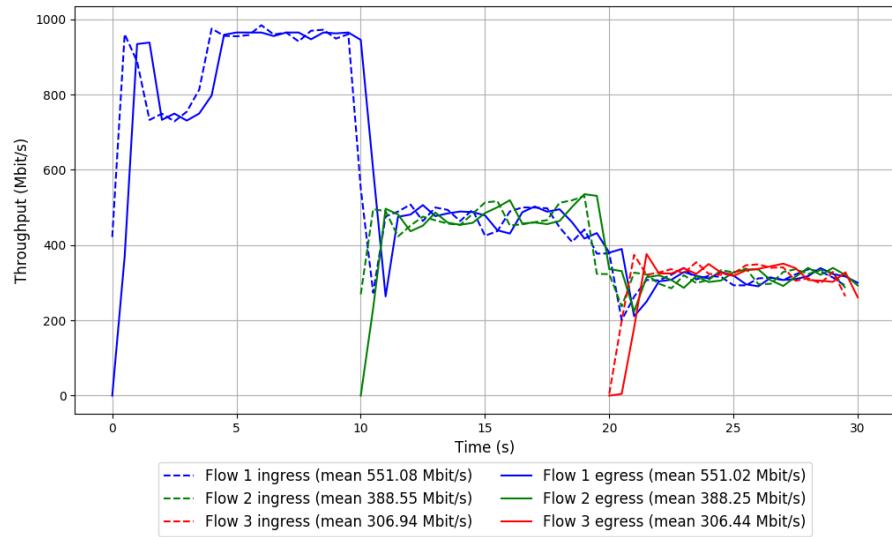


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-12-11 17:18:54
End at: 2019-12-11 17:19:24
Local clock offset: 3.34 ms
Remote clock offset: 2.827 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 910.23 Mbit/s
95th percentile per-packet one-way delay: 39.159 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 551.02 Mbit/s
95th percentile per-packet one-way delay: 37.993 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 388.25 Mbit/s
95th percentile per-packet one-way delay: 39.678 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 306.44 Mbit/s
95th percentile per-packet one-way delay: 43.575 ms
Loss rate: 0.37%
```

Run 5: Report of FillP-Sheep — Data Link

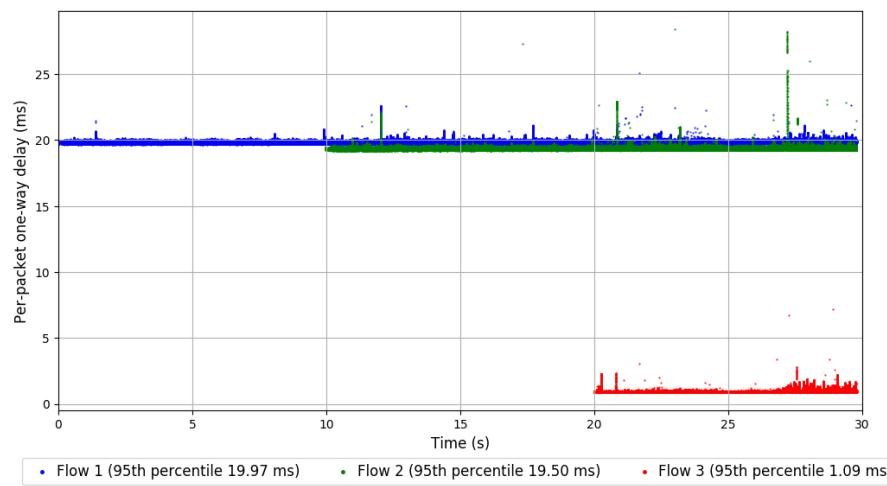
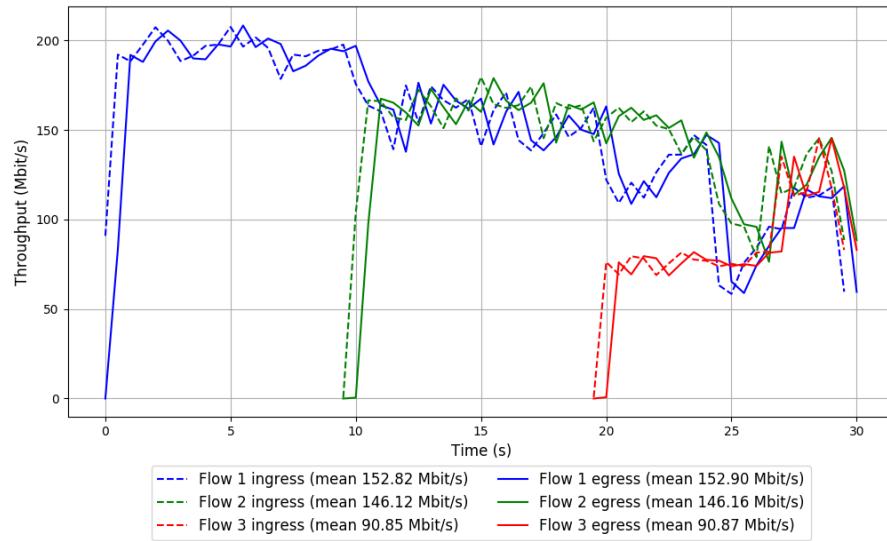


Run 1: Statistics of Indigo

```
Start at: 2019-12-11 15:09:01
End at: 2019-12-11 15:09:31
Local clock offset: 3.144 ms
Remote clock offset: 5.885 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 280.14 Mbit/s
95th percentile per-packet one-way delay: 19.931 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 152.90 Mbit/s
95th percentile per-packet one-way delay: 19.967 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 146.16 Mbit/s
95th percentile per-packet one-way delay: 19.498 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

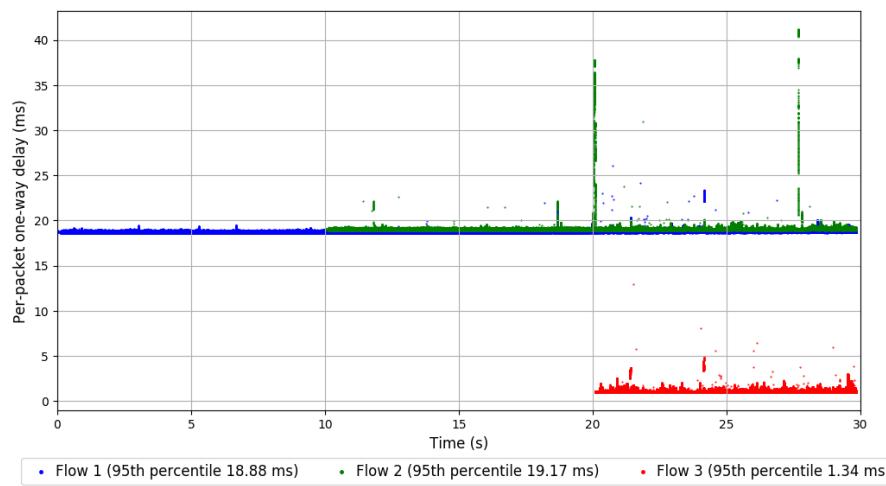
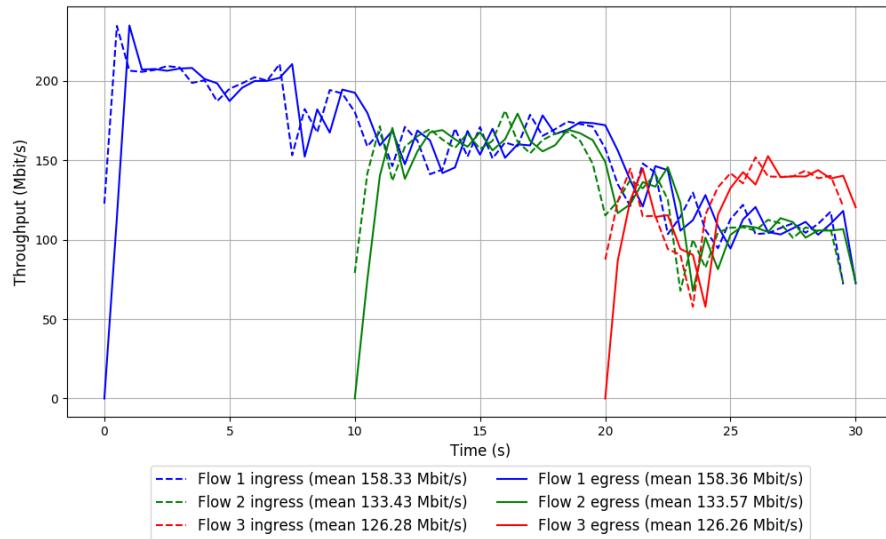


Run 2: Statistics of Indigo

```
Start at: 2019-12-11 15:44:03
End at: 2019-12-11 15:44:33
Local clock offset: 3.31 ms
Remote clock offset: 10.205 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 288.42 Mbit/s
95th percentile per-packet one-way delay: 19.097 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 158.36 Mbit/s
95th percentile per-packet one-way delay: 18.882 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 133.57 Mbit/s
95th percentile per-packet one-way delay: 19.167 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 126.26 Mbit/s
95th percentile per-packet one-way delay: 1.341 ms
Loss rate: 0.03%
```

Run 2: Report of Indigo — Data Link

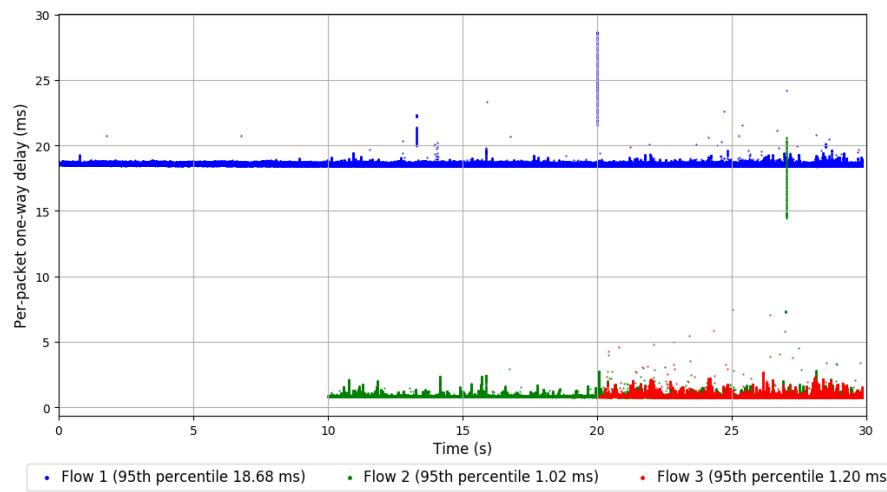
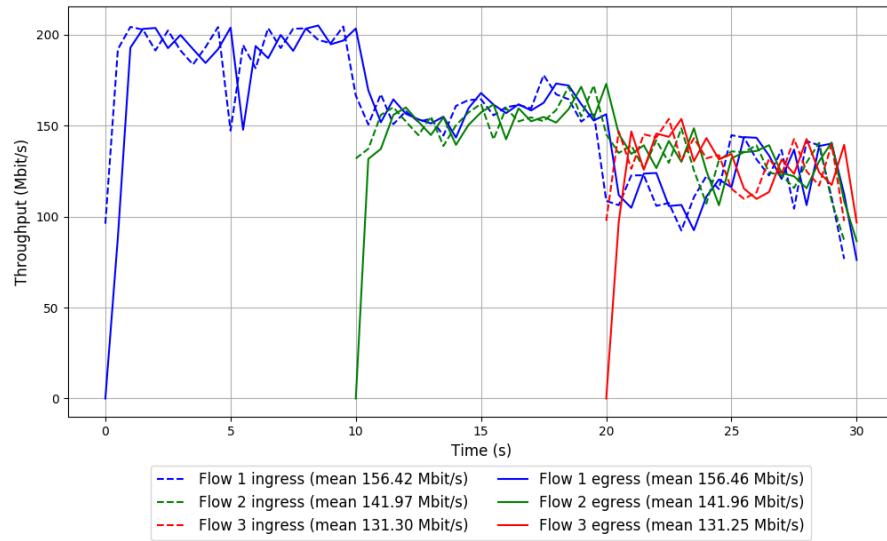


Run 3: Statistics of Indigo

```
Start at: 2019-12-11 16:18:43
End at: 2019-12-11 16:19:13
Local clock offset: 2.983 ms
Remote clock offset: -1.851 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.87 Mbit/s
95th percentile per-packet one-way delay: 18.650 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 156.46 Mbit/s
95th percentile per-packet one-way delay: 18.682 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 141.96 Mbit/s
95th percentile per-packet one-way delay: 1.018 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 131.25 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.05%
```

Run 3: Report of Indigo — Data Link

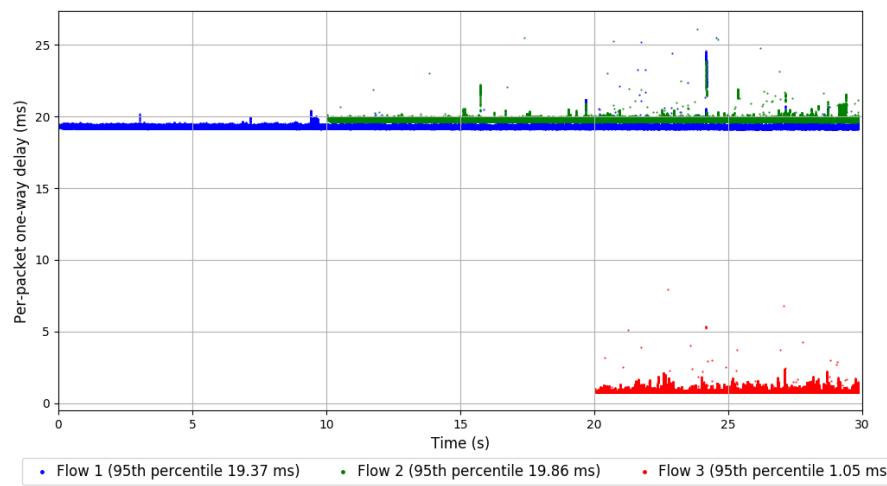
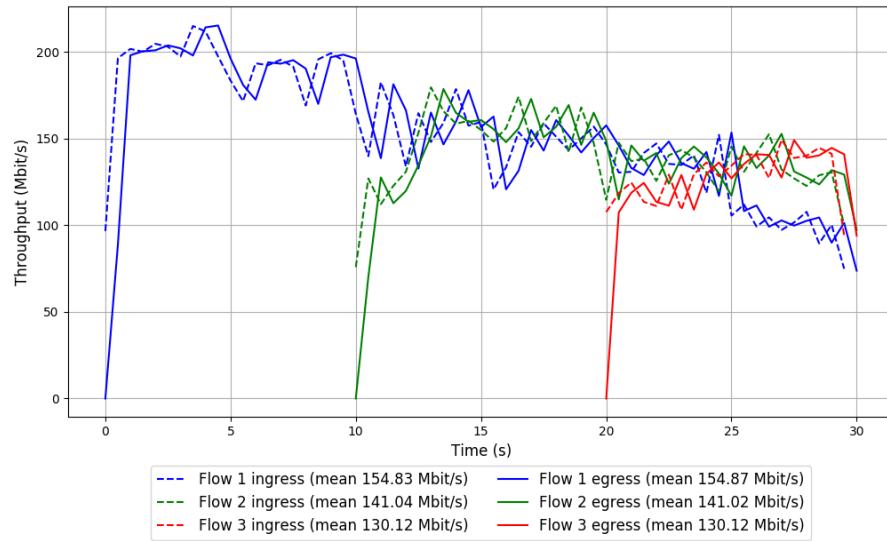


Run 4: Statistics of Indigo

```
Start at: 2019-12-11 16:53:45
End at: 2019-12-11 16:54:15
Local clock offset: 2.849 ms
Remote clock offset: -5.136 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 291.46 Mbit/s
95th percentile per-packet one-way delay: 19.796 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 154.87 Mbit/s
95th percentile per-packet one-way delay: 19.367 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 141.02 Mbit/s
95th percentile per-packet one-way delay: 19.858 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 130.12 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo — Data Link

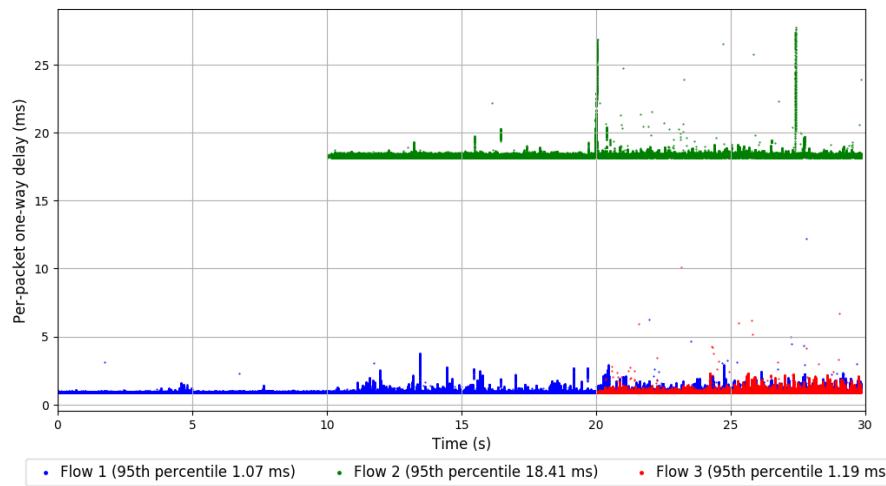
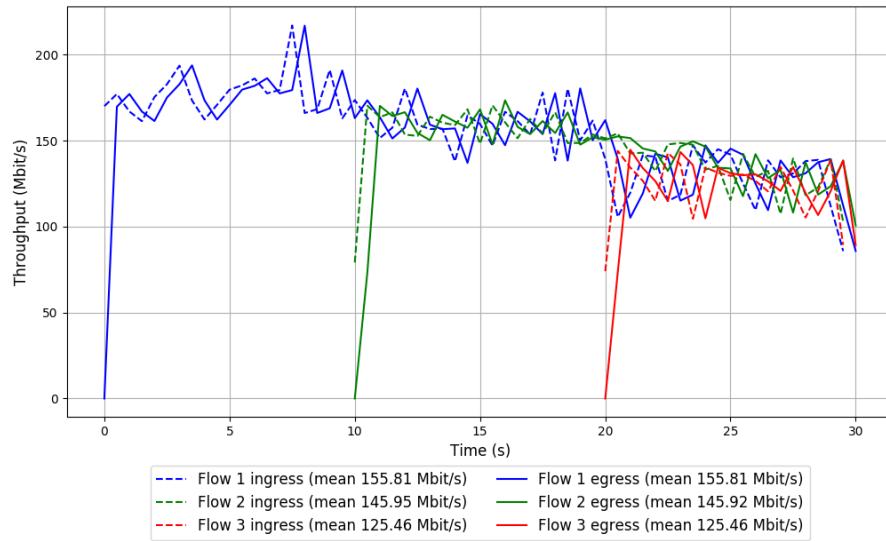


Run 5: Statistics of Indigo

```
Start at: 2019-12-11 17:28:52
End at: 2019-12-11 17:29:22
Local clock offset: 3.559 ms
Remote clock offset: 3.859 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.82 Mbit/s
95th percentile per-packet one-way delay: 18.335 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 155.81 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 145.92 Mbit/s
95th percentile per-packet one-way delay: 18.405 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 125.46 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.02%
```

Run 5: Report of Indigo — Data Link

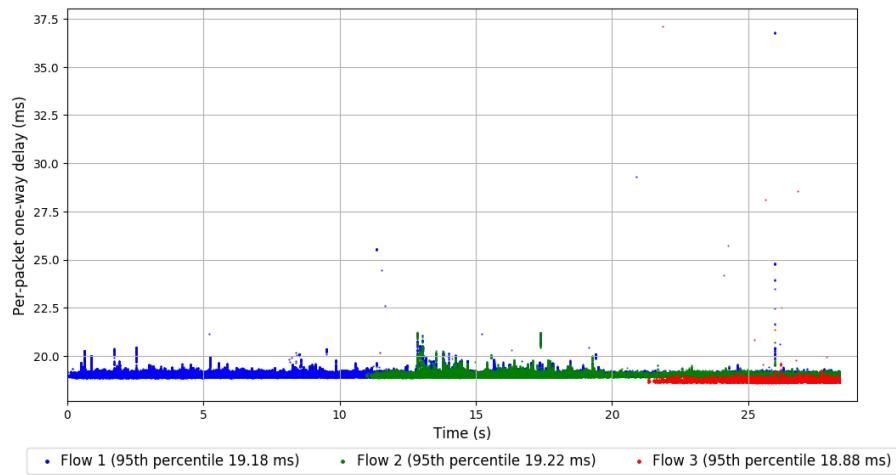
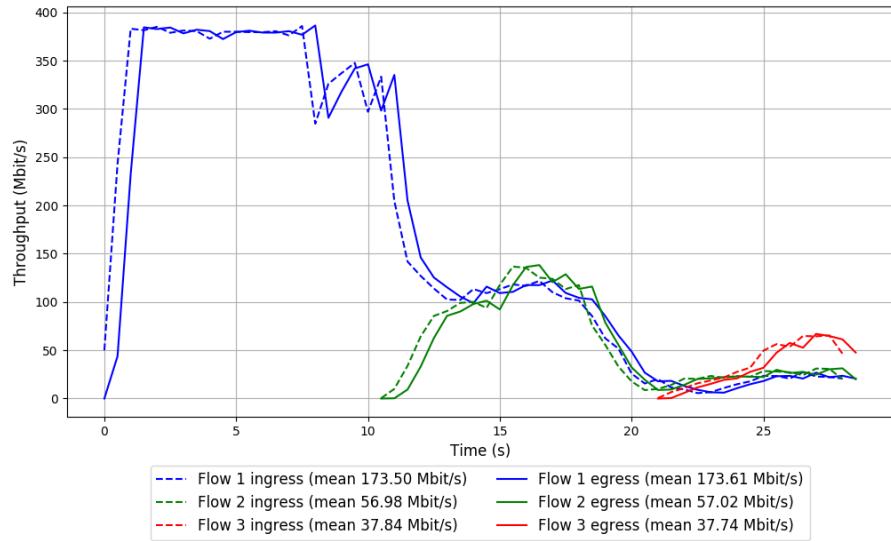


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 15:12:02
End at: 2019-12-11 15:12:32
Local clock offset: 3.172 ms
Remote clock offset: 6.224 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 217.97 Mbit/s
95th percentile per-packet one-way delay: 19.180 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 173.61 Mbit/s
95th percentile per-packet one-way delay: 19.179 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 57.02 Mbit/s
95th percentile per-packet one-way delay: 19.220 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 37.74 Mbit/s
95th percentile per-packet one-way delay: 18.882 ms
Loss rate: 0.63%
```

Run 1: Report of Indigo-MusesC3 — Data Link

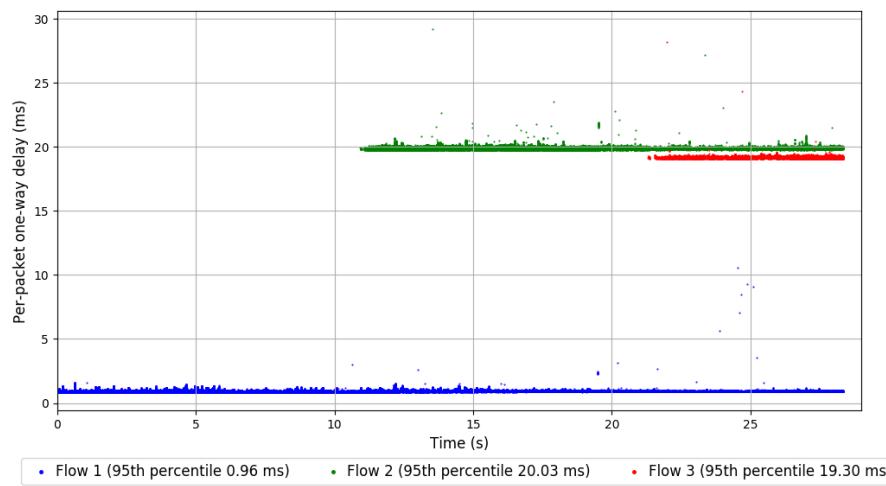
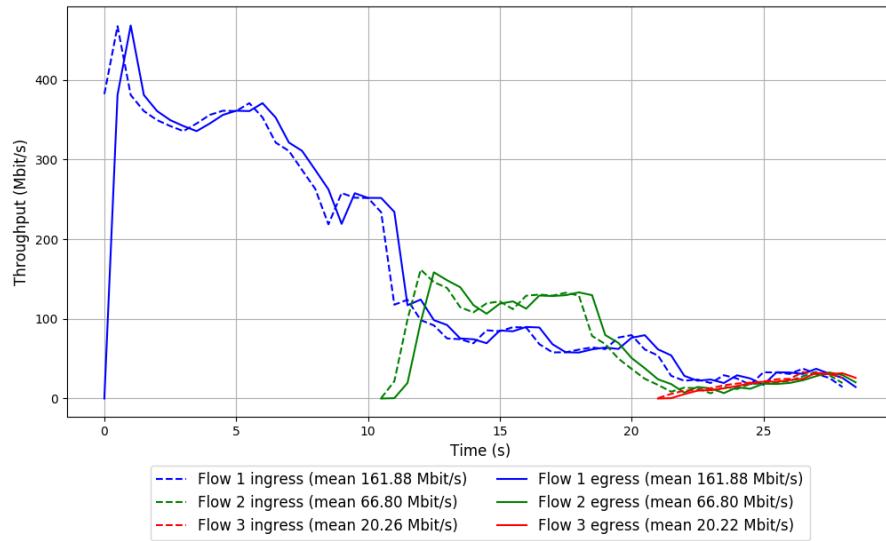


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 15:47:00
End at: 2019-12-11 15:47:30
Local clock offset: 3.252 ms
Remote clock offset: 10.619 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 207.98 Mbit/s
95th percentile per-packet one-way delay: 19.926 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 161.88 Mbit/s
95th percentile per-packet one-way delay: 0.956 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.80 Mbit/s
95th percentile per-packet one-way delay: 20.029 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 20.22 Mbit/s
95th percentile per-packet one-way delay: 19.304 ms
Loss rate: 0.49%
```

Run 2: Report of Indigo-MusesC3 — Data Link

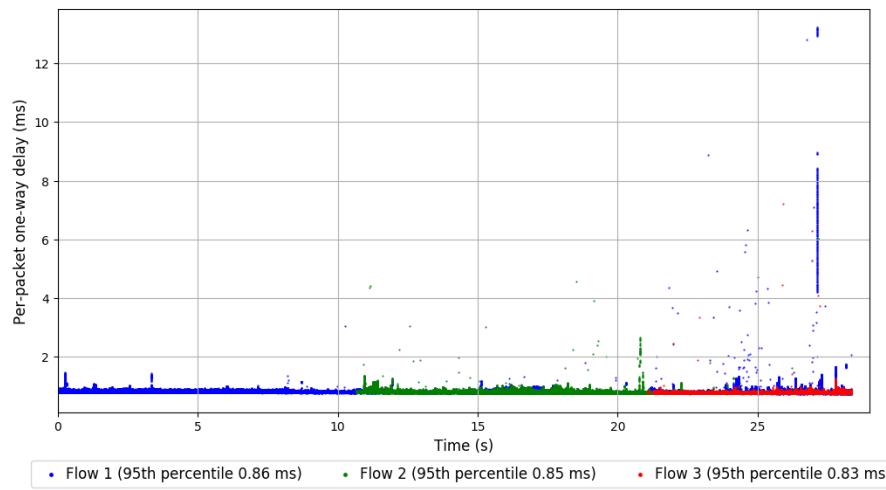
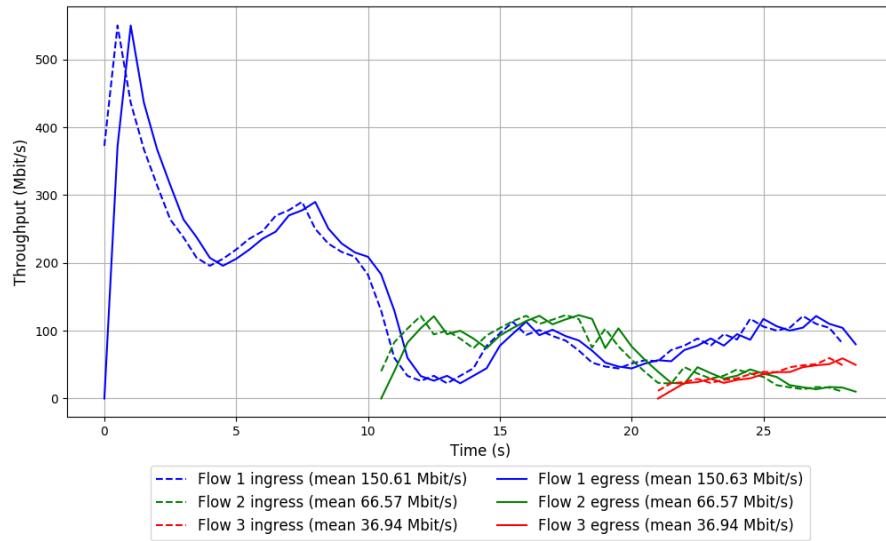


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 16:21:43
End at: 2019-12-11 16:22:13
Local clock offset: 2.975 ms
Remote clock offset: -2.195 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 201.59 Mbit/s
95th percentile per-packet one-way delay: 0.861 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 150.63 Mbit/s
95th percentile per-packet one-way delay: 0.863 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 0.852 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.94 Mbit/s
95th percentile per-packet one-way delay: 0.827 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesC3 — Data Link

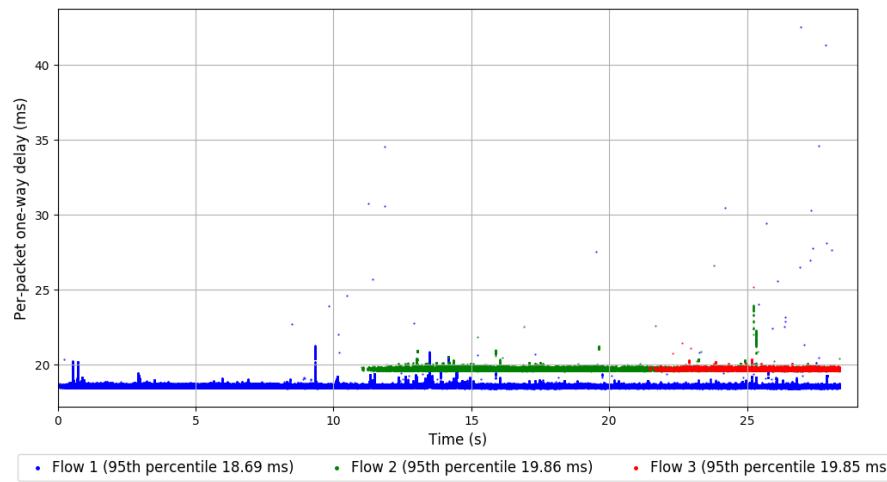
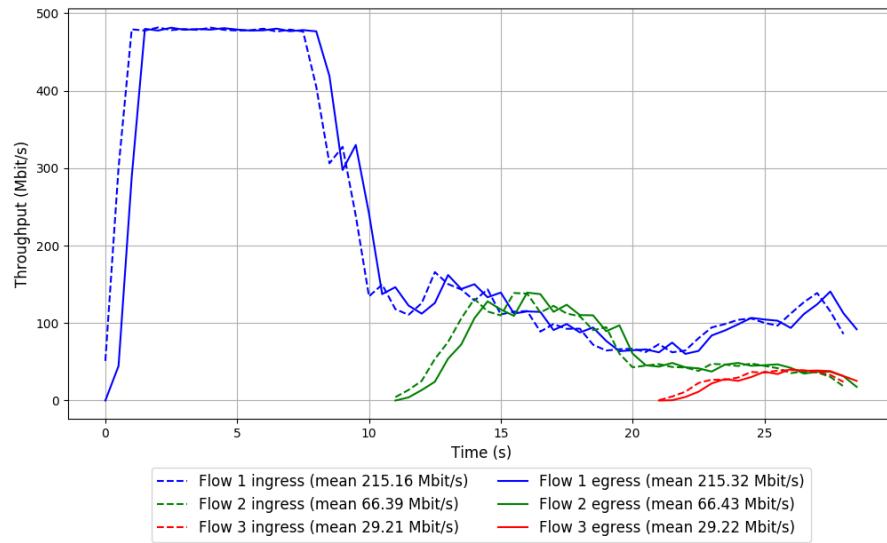


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 16:56:44
End at: 2019-12-11 16:57:14
Local clock offset: 2.867 ms
Remote clock offset: -5.403 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 263.04 Mbit/s
95th percentile per-packet one-way delay: 19.766 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 215.32 Mbit/s
95th percentile per-packet one-way delay: 18.692 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 66.43 Mbit/s
95th percentile per-packet one-way delay: 19.859 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.22 Mbit/s
95th percentile per-packet one-way delay: 19.847 ms
Loss rate: 0.20%
```

Run 4: Report of Indigo-MusesC3 — Data Link

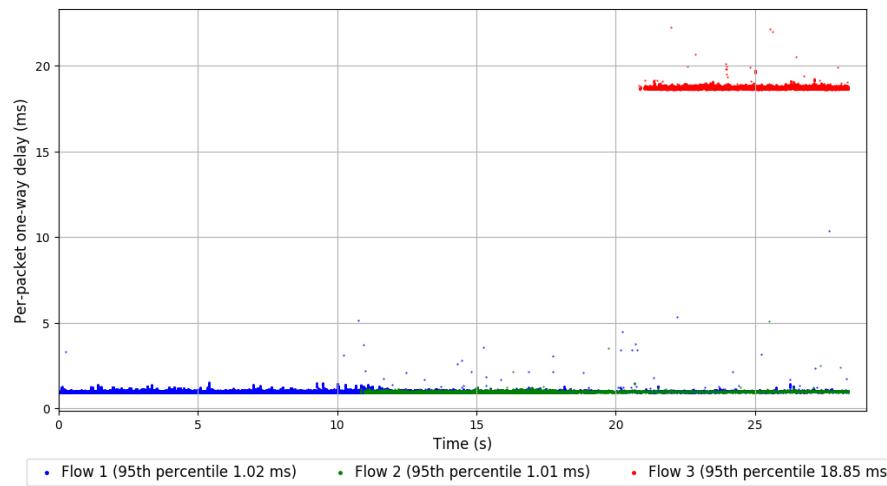
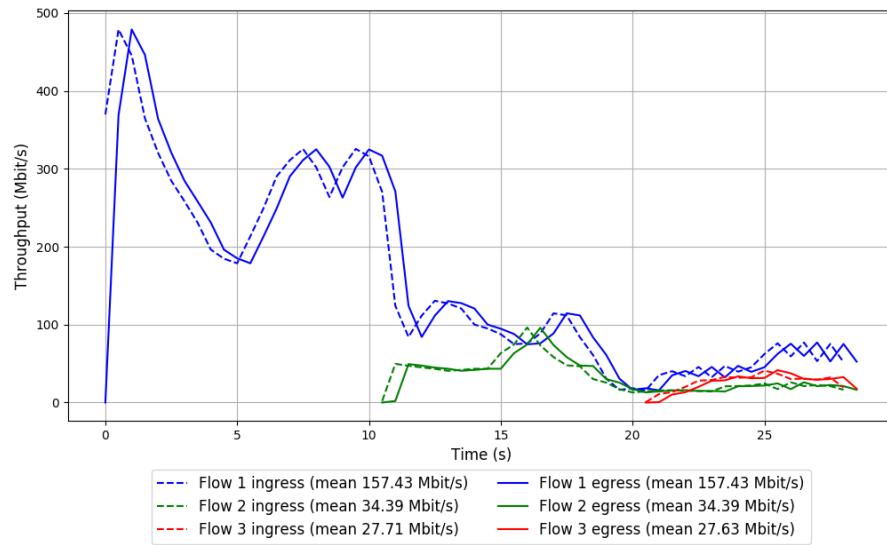


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 17:31:50
End at: 2019-12-11 17:32:20
Local clock offset: 3.575 ms
Remote clock offset: 3.979 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 185.97 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 157.43 Mbit/s
95th percentile per-packet one-way delay: 1.021 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.39 Mbit/s
95th percentile per-packet one-way delay: 1.007 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.63 Mbit/s
95th percentile per-packet one-way delay: 18.851 ms
Loss rate: 0.55%
```

Run 5: Report of Indigo-MusesC3 — Data Link

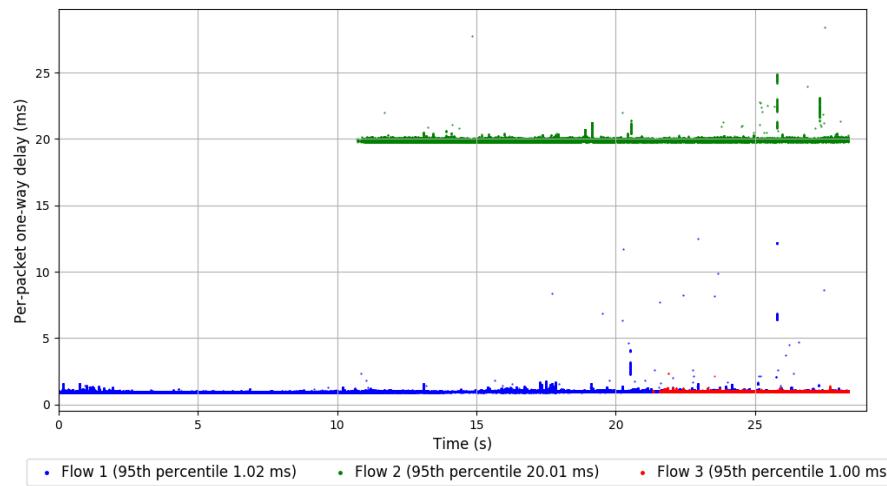
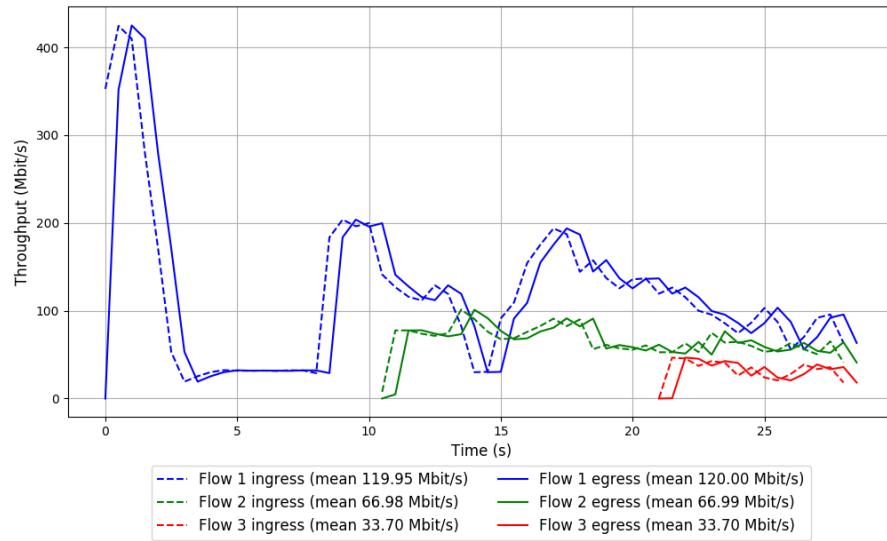


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 15:16:23
End at: 2019-12-11 15:16:53
Local clock offset: 3.22 ms
Remote clock offset: 6.86 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 170.03 Mbit/s
95th percentile per-packet one-way delay: 19.936 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 120.00 Mbit/s
95th percentile per-packet one-way delay: 1.017 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.99 Mbit/s
95th percentile per-packet one-way delay: 20.014 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 33.70 Mbit/s
95th percentile per-packet one-way delay: 1.005 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesC5 — Data Link

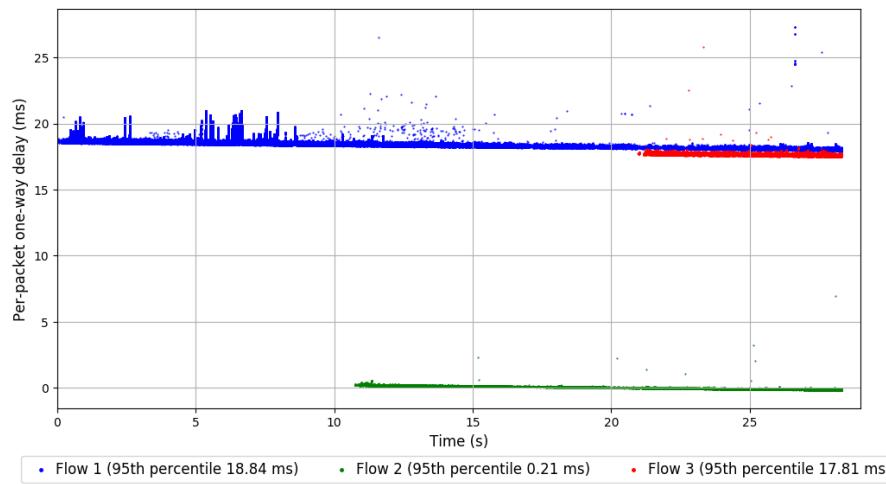
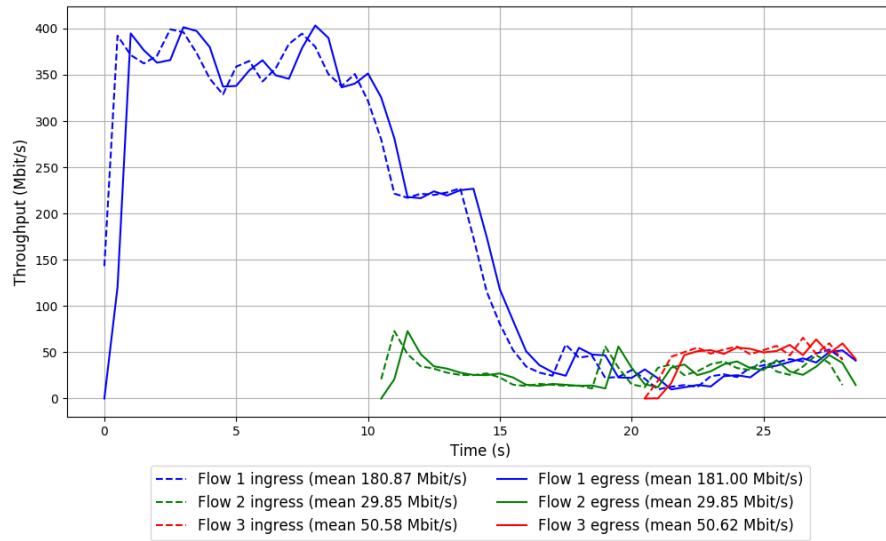


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 15:51:21
End at: 2019-12-11 15:51:51
Local clock offset: 3.186 ms
Remote clock offset: 10.801 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 212.71 Mbit/s
95th percentile per-packet one-way delay: 18.800 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 181.00 Mbit/s
95th percentile per-packet one-way delay: 18.844 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 0.207 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.62 Mbit/s
95th percentile per-packet one-way delay: 17.813 ms
Loss rate: 0.19%
```

Run 2: Report of Indigo-MusesC5 — Data Link

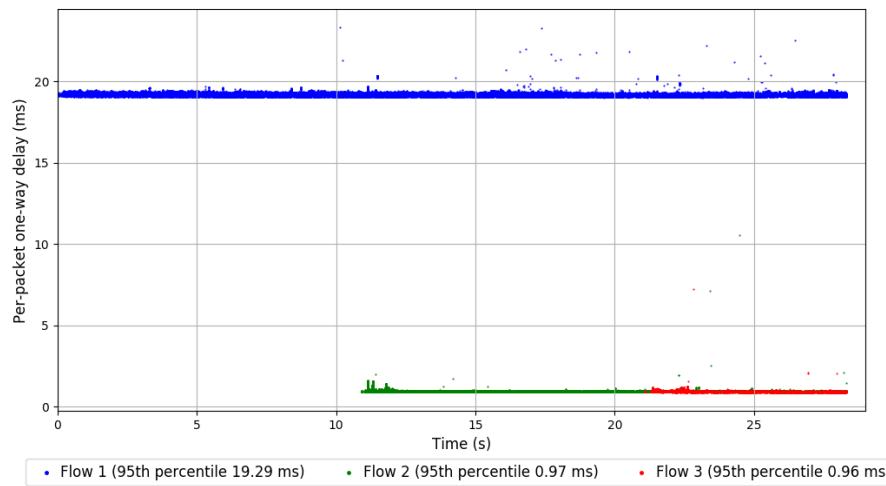
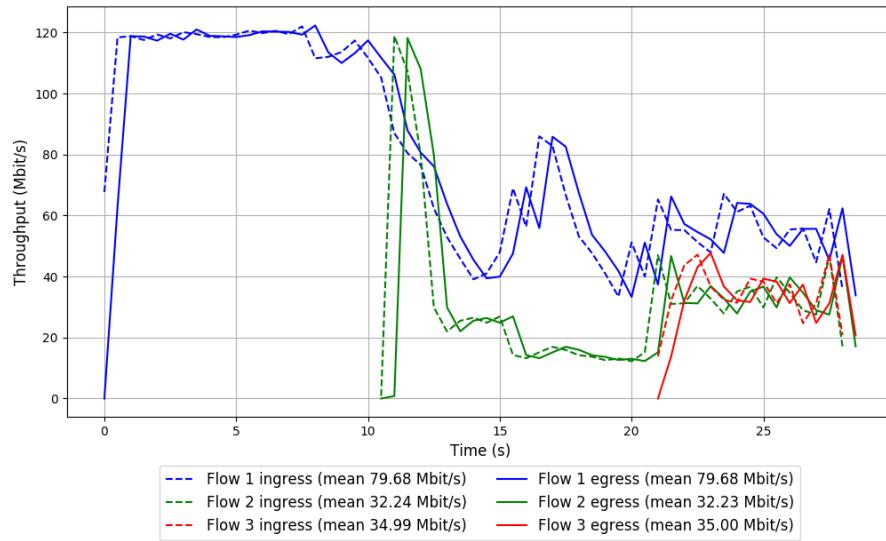


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 16:26:03
End at: 2019-12-11 16:26:33
Local clock offset: 2.923 ms
Remote clock offset: -2.8 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 108.46 Mbit/s
95th percentile per-packet one-way delay: 19.271 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 79.68 Mbit/s
95th percentile per-packet one-way delay: 19.285 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 0.969 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 0.962 ms
Loss rate: 0.02%
```

Run 3: Report of Indigo-MusesC5 — Data Link

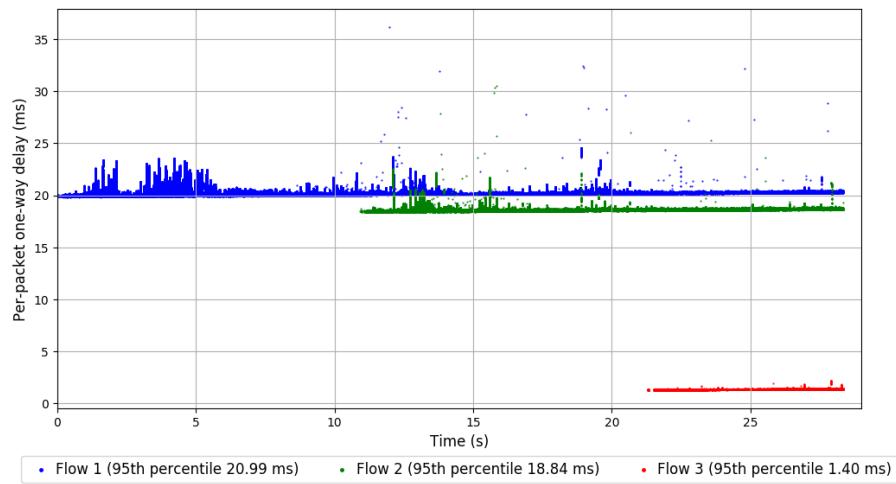
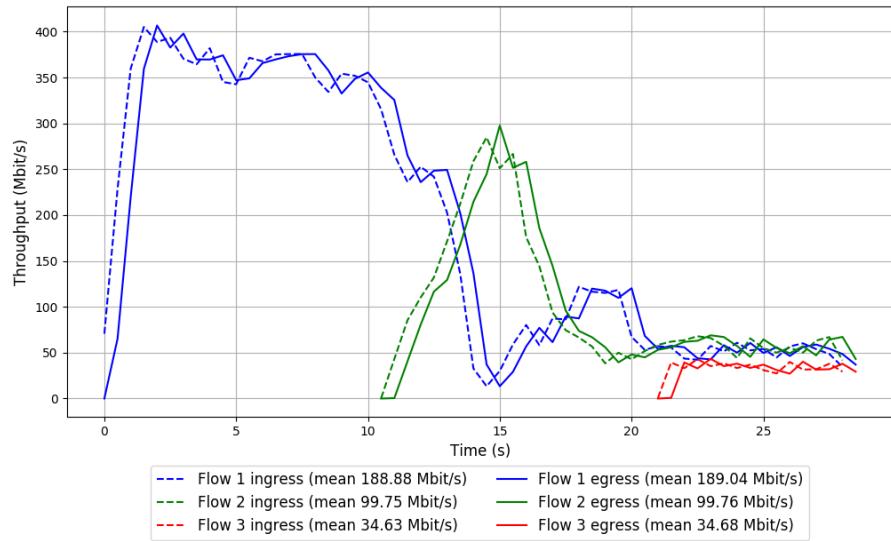


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 17:01:05
End at: 2019-12-11 17:01:35
Local clock offset: 2.853 ms
Remote clock offset: -3.91 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 259.01 Mbit/s
95th percentile per-packet one-way delay: 20.747 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 189.04 Mbit/s
95th percentile per-packet one-way delay: 20.993 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.76 Mbit/s
95th percentile per-packet one-way delay: 18.837 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 1.402 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo-MusesC5 — Data Link

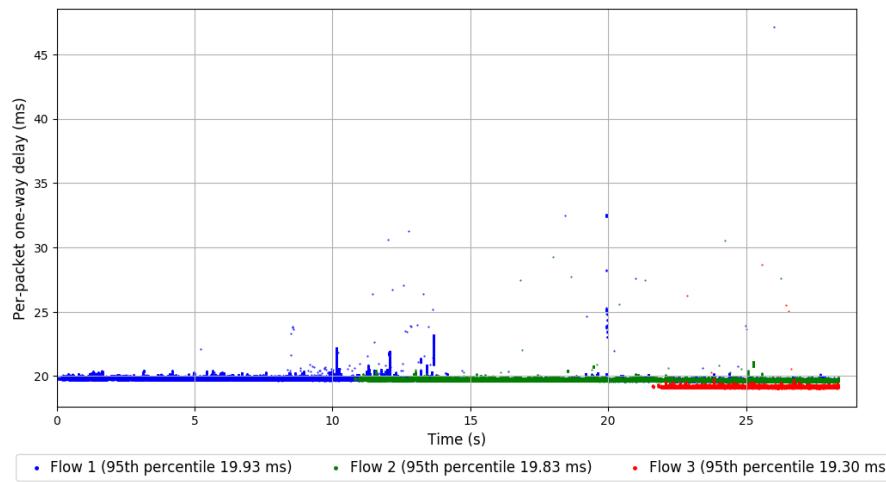
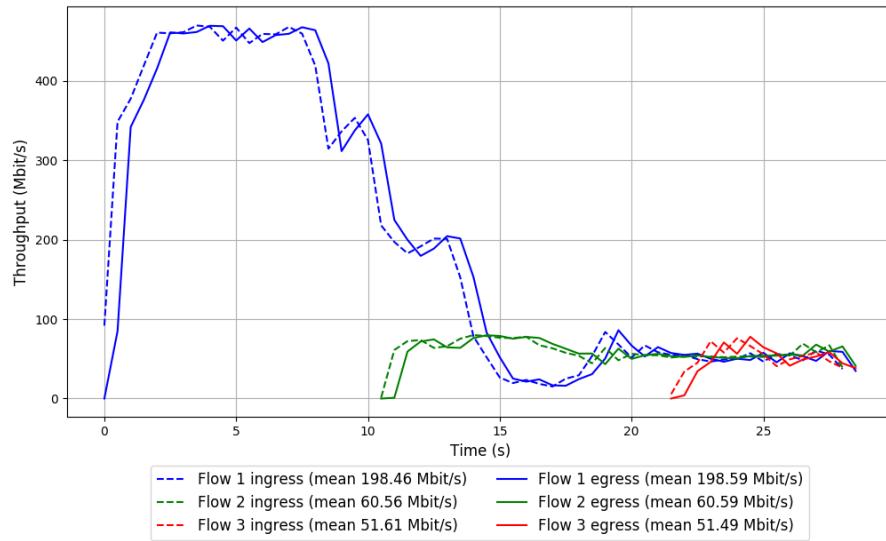


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 17:36:07
End at: 2019-12-11 17:36:37
Local clock offset: 3.616 ms
Remote clock offset: 3.178 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 248.34 Mbit/s
95th percentile per-packet one-way delay: 19.918 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 198.59 Mbit/s
95th percentile per-packet one-way delay: 19.931 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 60.59 Mbit/s
95th percentile per-packet one-way delay: 19.829 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 51.49 Mbit/s
95th percentile per-packet one-way delay: 19.304 ms
Loss rate: 0.62%
```

Run 5: Report of Indigo-MusesC5 — Data Link

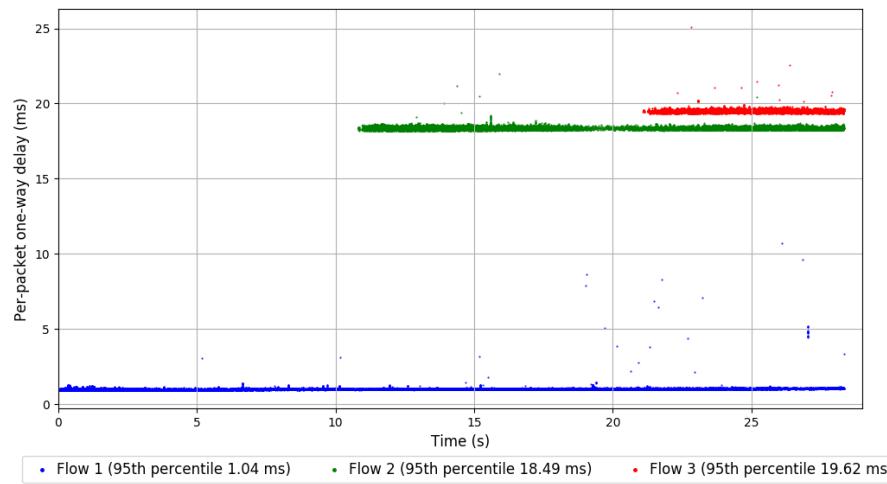
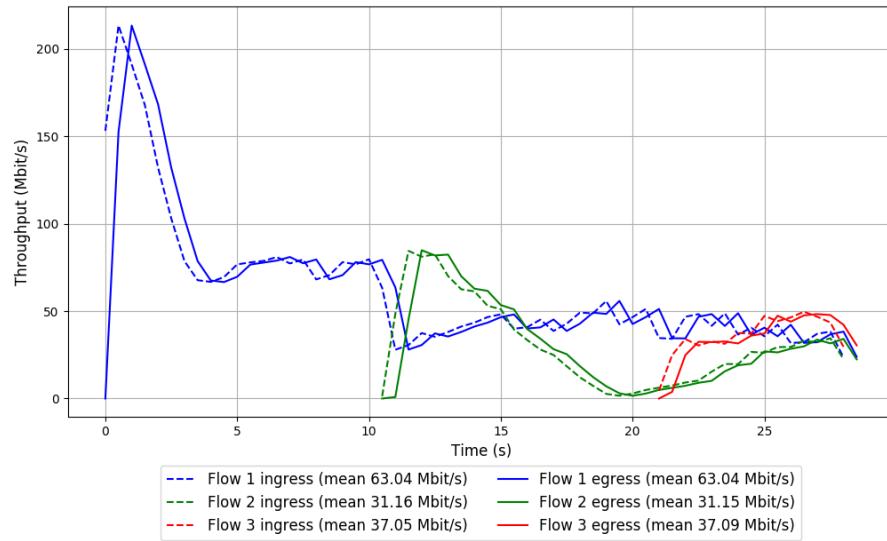


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 15:02:08
End at: 2019-12-11 15:02:38
Local clock offset: 3.135 ms
Remote clock offset: 4.694 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.80 Mbit/s
95th percentile per-packet one-way delay: 19.487 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 63.04 Mbit/s
95th percentile per-packet one-way delay: 1.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 18.488 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 37.09 Mbit/s
95th percentile per-packet one-way delay: 19.623 ms
Loss rate: 0.28%
```

Run 1: Report of Indigo-MusesD — Data Link

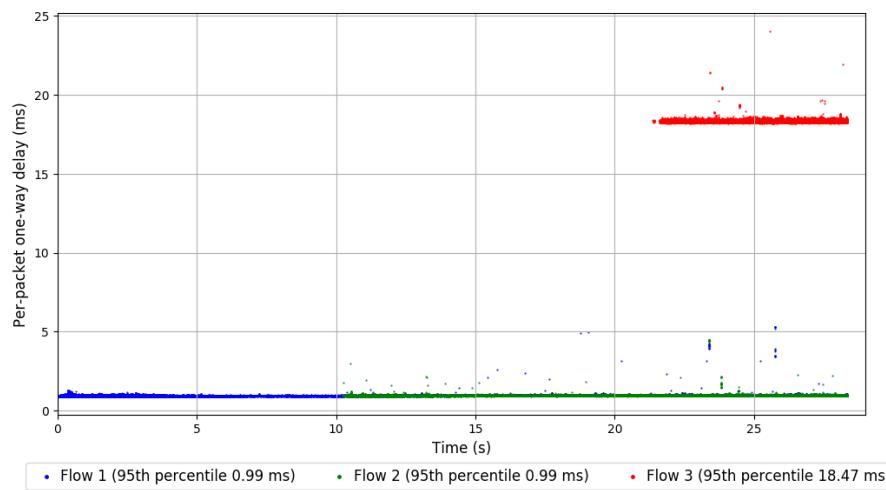
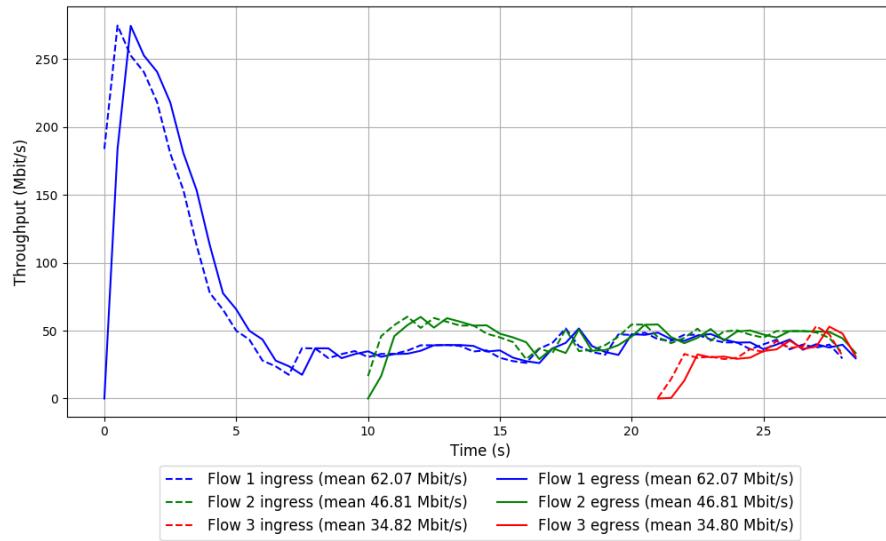


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 15:37:06
End at: 2019-12-11 15:37:36
Local clock offset: 3.394 ms
Remote clock offset: 9.423 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.51 Mbit/s
95th percentile per-packet one-way delay: 18.305 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 62.07 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.81 Mbit/s
95th percentile per-packet one-way delay: 0.995 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.80 Mbit/s
95th percentile per-packet one-way delay: 18.466 ms
Loss rate: 0.24%
```

Run 2: Report of Indigo-MusesD — Data Link

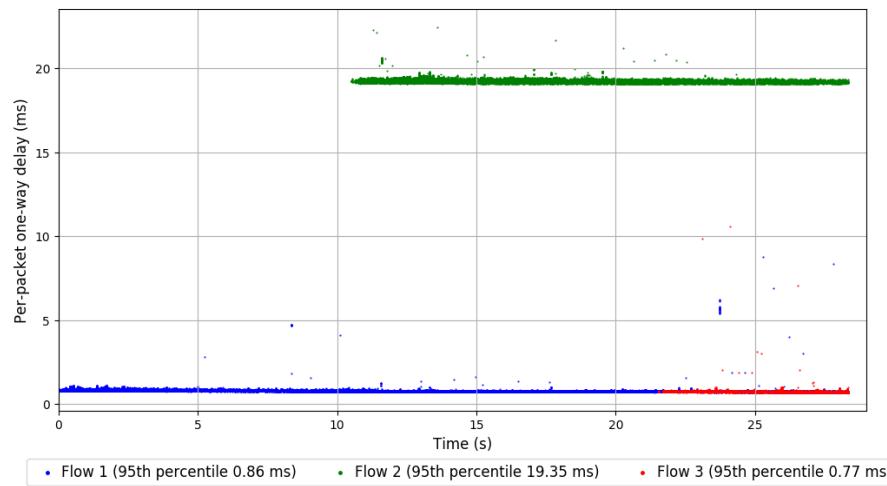
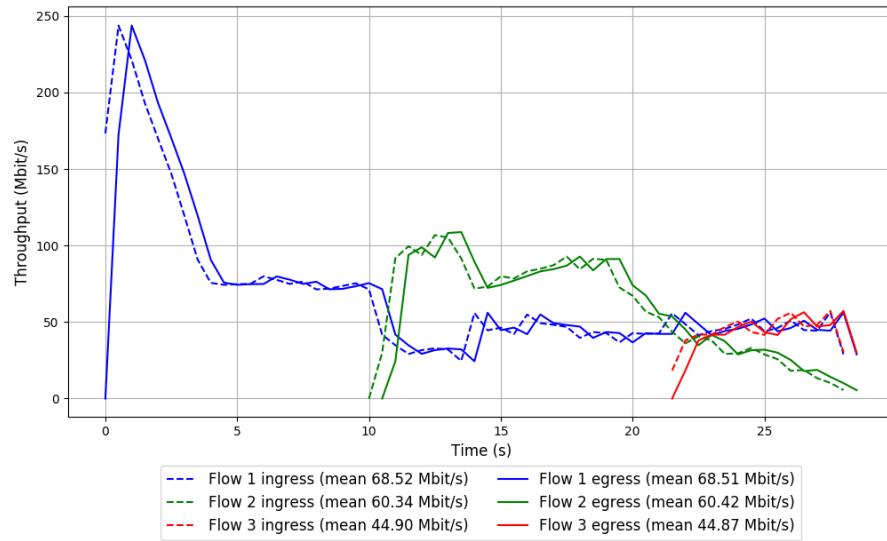


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 16:11:47
End at: 2019-12-11 16:12:17
Local clock offset: 3.106 ms
Remote clock offset: -0.65 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 117.32 Mbit/s
95th percentile per-packet one-way delay: 19.292 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 0.858 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.42 Mbit/s
95th percentile per-packet one-way delay: 19.354 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 44.87 Mbit/s
95th percentile per-packet one-way delay: 0.769 ms
Loss rate: 0.09%
```

Run 3: Report of Indigo-MusesD — Data Link

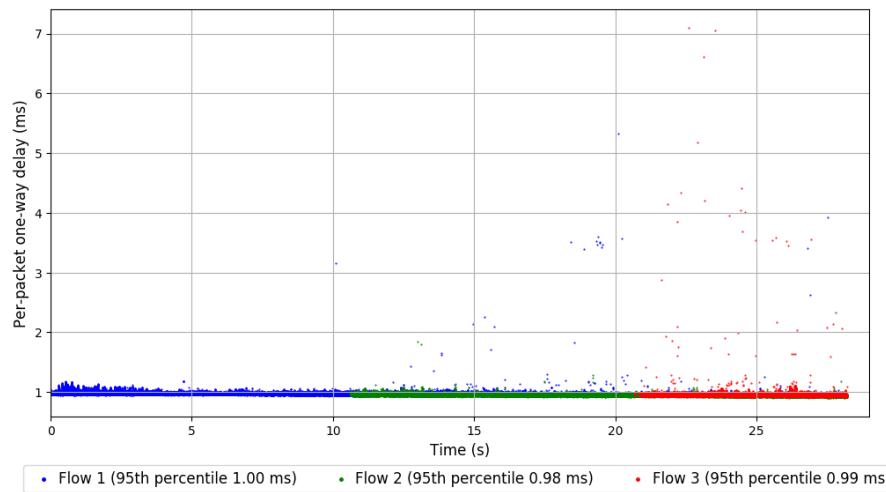
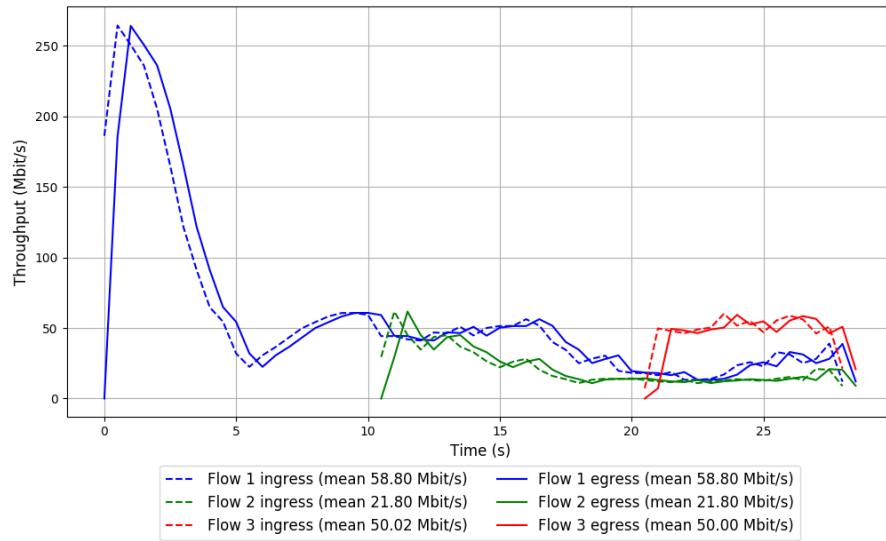


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 16:46:49
End at: 2019-12-11 16:47:19
Local clock offset: 2.877 ms
Remote clock offset: -4.66 ms

# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.70 Mbit/s
95th percentile per-packet one-way delay: 1.001 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 1.005 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.80 Mbit/s
95th percentile per-packet one-way delay: 0.979 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 0.989 ms
Loss rate: 0.05%
```

Run 4: Report of Indigo-MusesD — Data Link

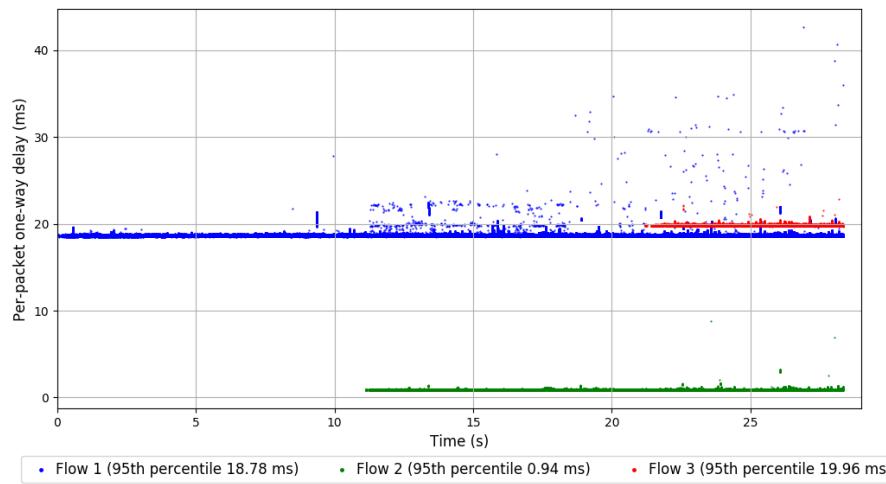
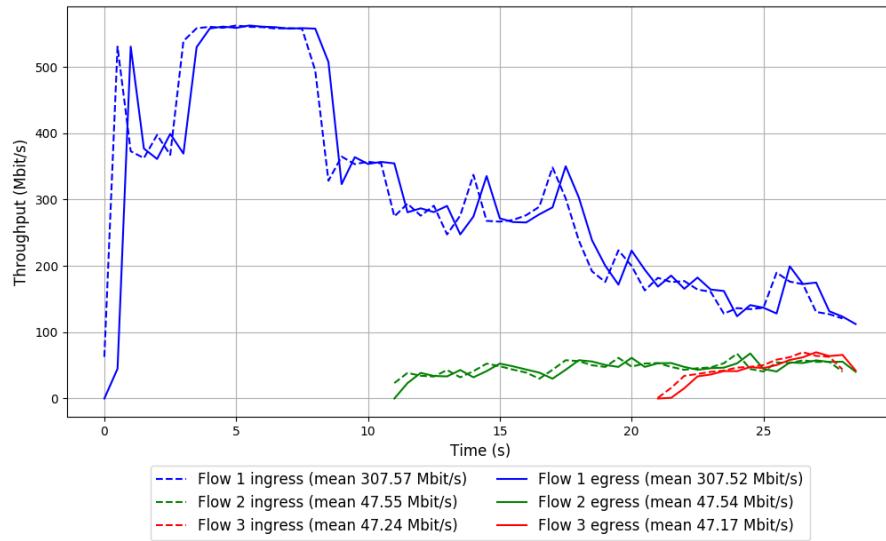


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 17:21:53
End at: 2019-12-11 17:22:23
Local clock offset: 3.403 ms
Remote clock offset: 3.277 ms

# Below is generated by plot.py at 2019-12-11 18:32:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.32 Mbit/s
95th percentile per-packet one-way delay: 18.895 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 307.52 Mbit/s
95th percentile per-packet one-way delay: 18.777 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 47.54 Mbit/s
95th percentile per-packet one-way delay: 0.942 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 47.17 Mbit/s
95th percentile per-packet one-way delay: 19.961 ms
Loss rate: 0.36%
```

Run 5: Report of Indigo-MusesD — Data Link

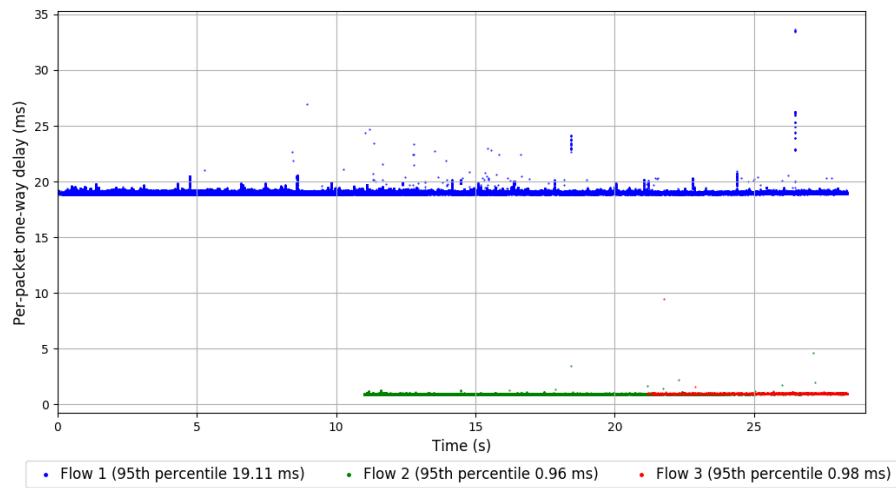
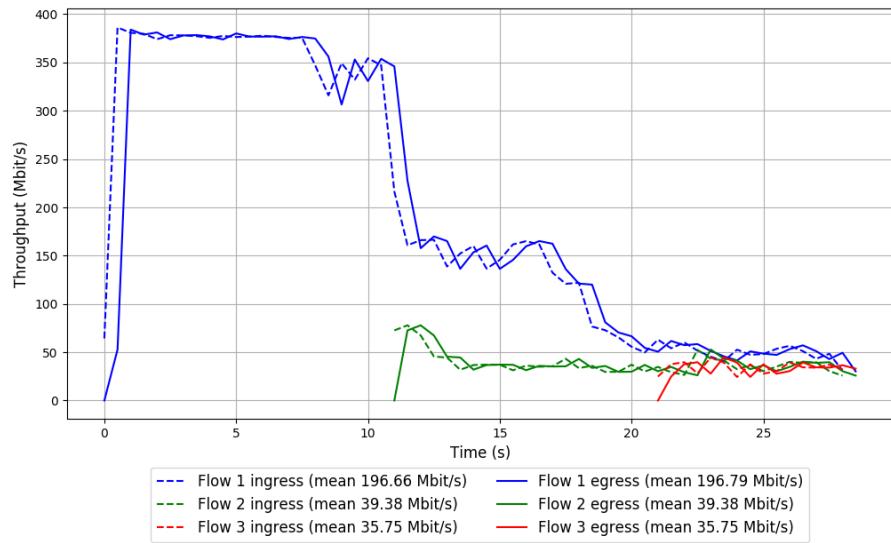


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 15:24:02
End at: 2019-12-11 15:24:32
Local clock offset: 3.315 ms
Remote clock offset: 7.898 ms

# Below is generated by plot.py at 2019-12-11 18:32:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 229.93 Mbit/s
95th percentile per-packet one-way delay: 19.101 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 196.79 Mbit/s
95th percentile per-packet one-way delay: 19.112 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 0.981 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesT — Data Link

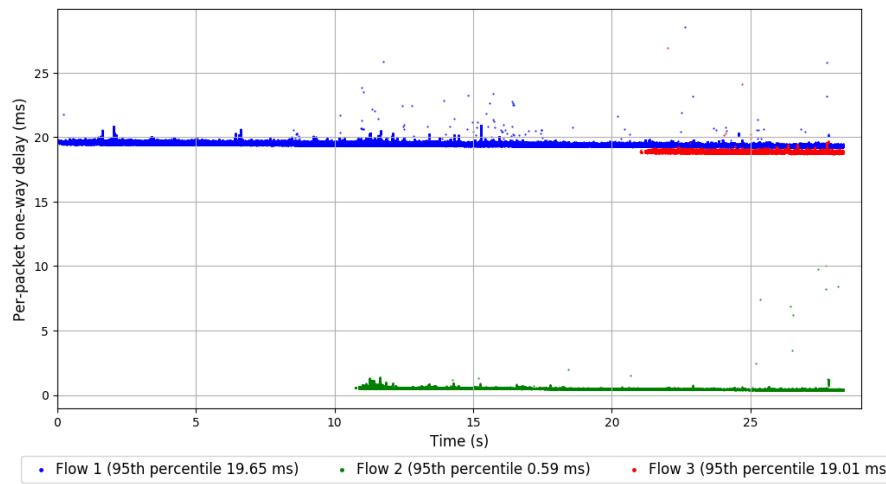
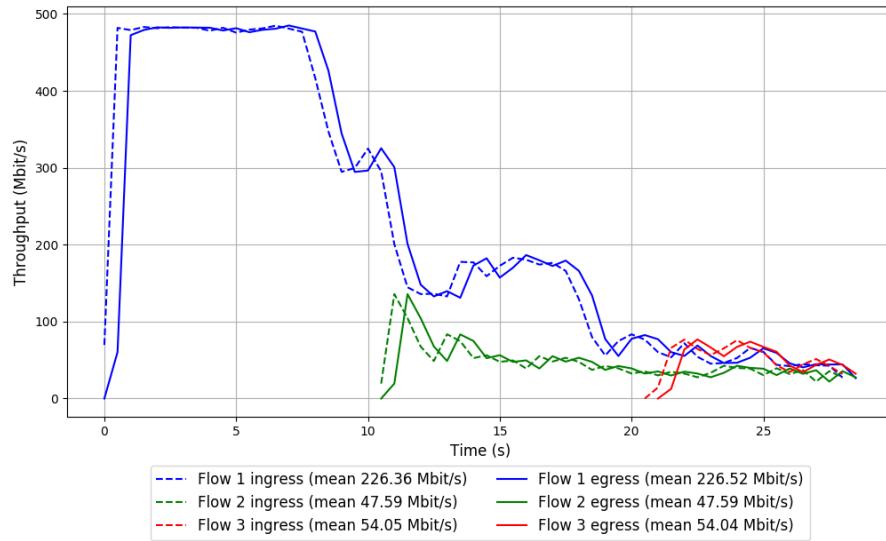


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 15:58:58
End at: 2019-12-11 15:59:28
Local clock offset: 3.168 ms
Remote clock offset: 3.834 ms

# Below is generated by plot.py at 2019-12-11 18:32:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 270.02 Mbit/s
95th percentile per-packet one-way delay: 19.644 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 226.52 Mbit/s
95th percentile per-packet one-way delay: 19.652 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 47.59 Mbit/s
95th percentile per-packet one-way delay: 0.590 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 54.04 Mbit/s
95th percentile per-packet one-way delay: 19.009 ms
Loss rate: 0.18%
```

Run 2: Report of Indigo-MusesT — Data Link

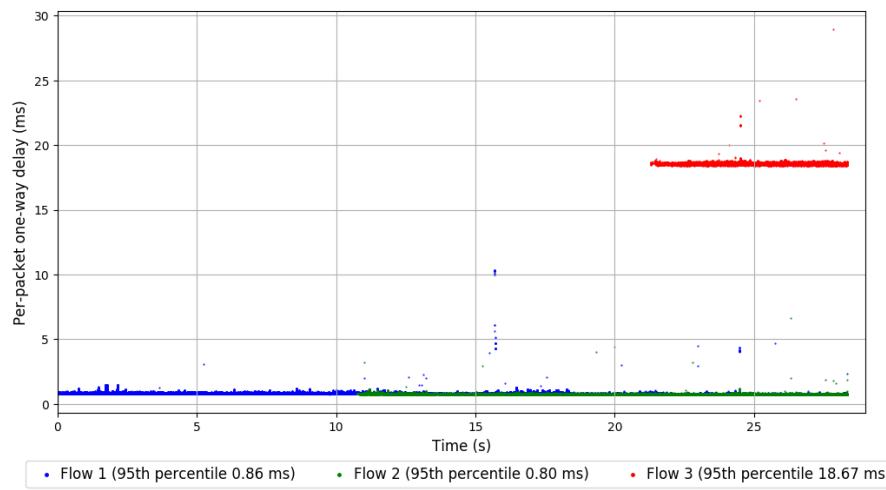
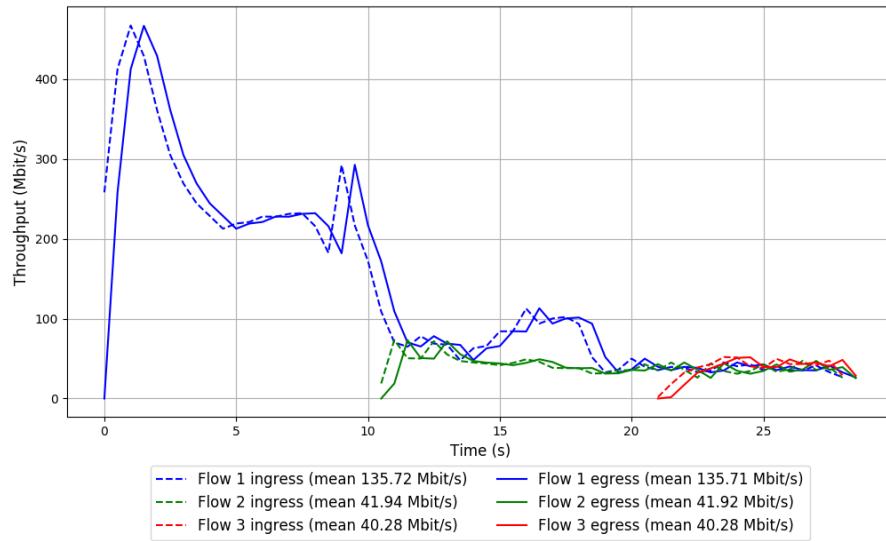


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 16:33:41
End at: 2019-12-11 16:34:11
Local clock offset: 2.889 ms
Remote clock offset: -3.345 ms

# Below is generated by plot.py at 2019-12-11 18:32:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 171.76 Mbit/s
95th percentile per-packet one-way delay: 18.486 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 135.71 Mbit/s
95th percentile per-packet one-way delay: 0.858 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 41.92 Mbit/s
95th percentile per-packet one-way delay: 0.800 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 18.672 ms
Loss rate: 0.32%
```

Run 3: Report of Indigo-MusesT — Data Link

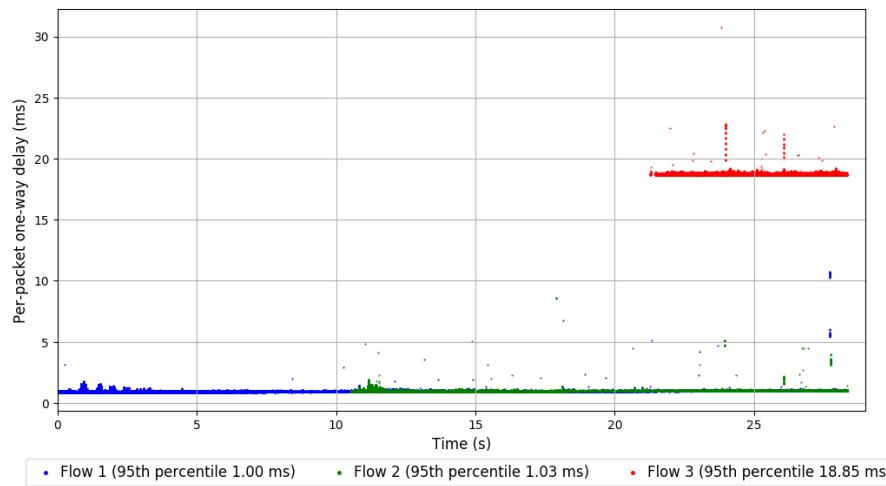
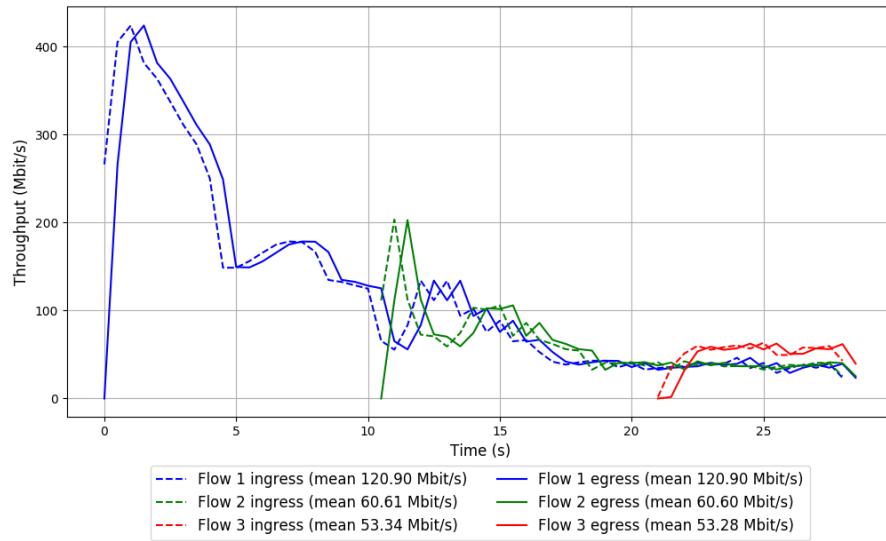


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 17:08:38
End at: 2019-12-11 17:09:08
Local clock offset: 2.823 ms
Remote clock offset: 0.496 ms

# Below is generated by plot.py at 2019-12-11 18:32:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 172.29 Mbit/s
95th percentile per-packet one-way delay: 18.717 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 120.90 Mbit/s
95th percentile per-packet one-way delay: 0.997 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.60 Mbit/s
95th percentile per-packet one-way delay: 1.032 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 53.28 Mbit/s
95th percentile per-packet one-way delay: 18.854 ms
Loss rate: 0.51%
```

Run 4: Report of Indigo-MusesT — Data Link

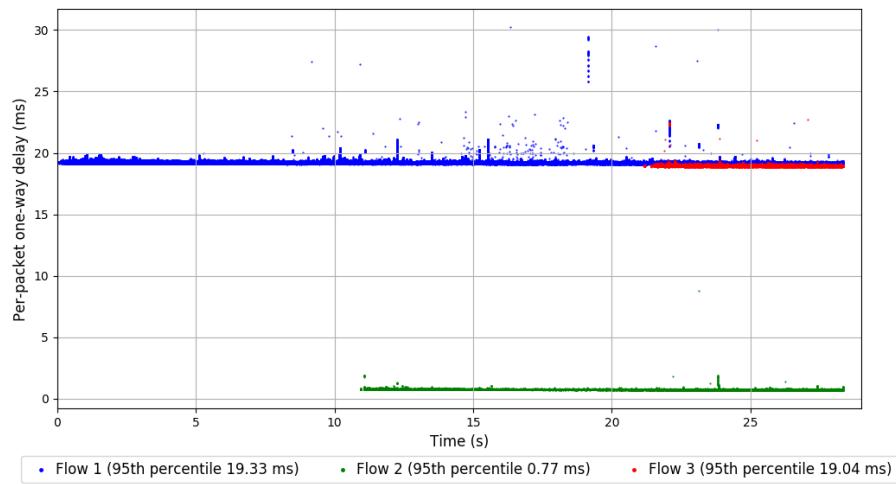
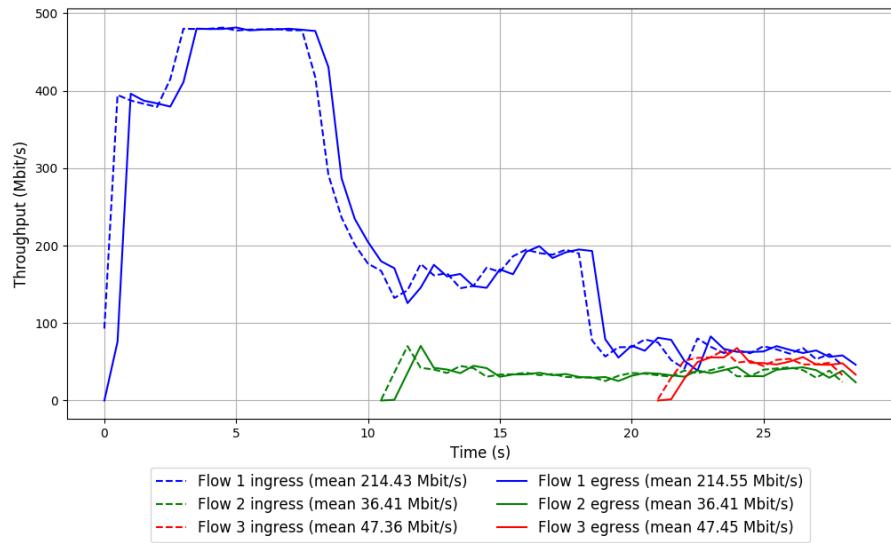


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 17:43:45
End at: 2019-12-11 17:44:15
Local clock offset: 3.687 ms
Remote clock offset: 1.362 ms

# Below is generated by plot.py at 2019-12-11 18:32:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 248.97 Mbit/s
95th percentile per-packet one-way delay: 19.321 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 214.55 Mbit/s
95th percentile per-packet one-way delay: 19.331 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 0.774 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 47.45 Mbit/s
95th percentile per-packet one-way delay: 19.041 ms
Loss rate: 0.28%
```

Run 5: Report of Indigo-MusesT — Data Link

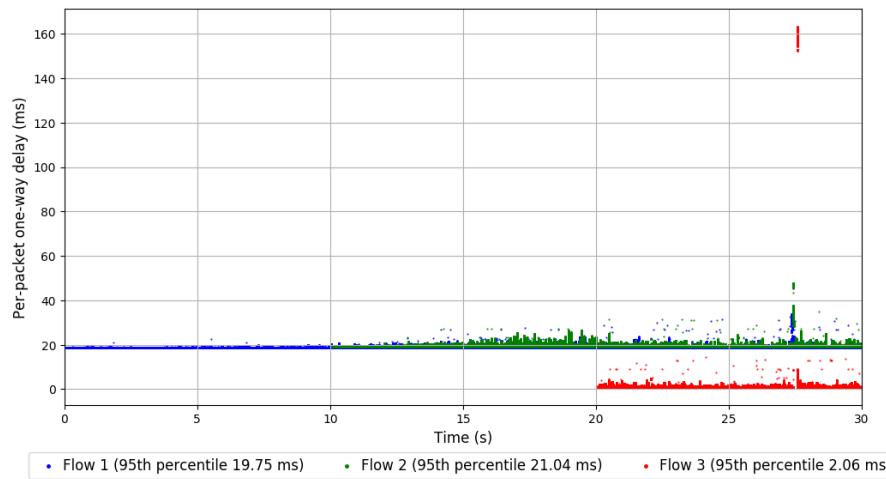
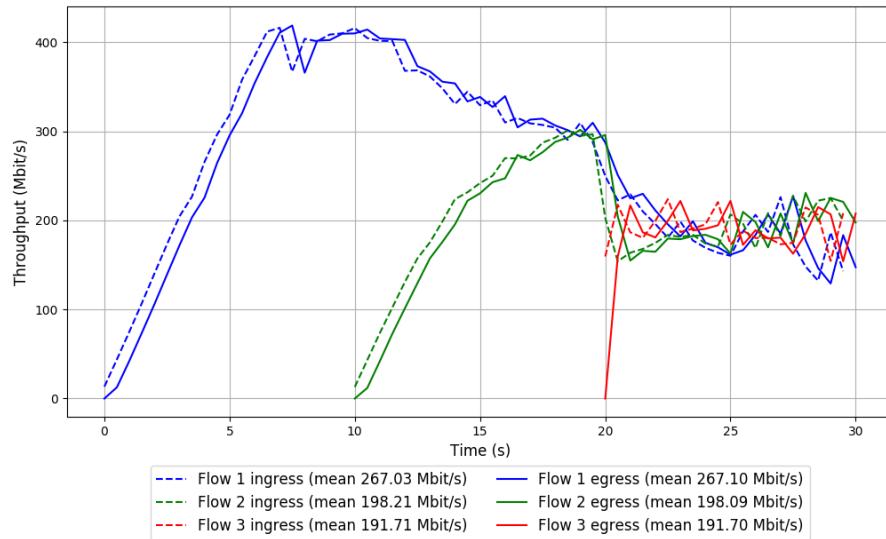


```
Run 1: Statistics of LEDBAT

Start at: 2019-12-11 15:20:52
End at: 2019-12-11 15:21:22
Local clock offset: 3.284 ms
Remote clock offset: 7.466 ms

# Below is generated by plot.py at 2019-12-11 18:35:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 462.60 Mbit/s
95th percentile per-packet one-way delay: 20.194 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 267.10 Mbit/s
95th percentile per-packet one-way delay: 19.753 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 198.09 Mbit/s
95th percentile per-packet one-way delay: 21.038 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 191.70 Mbit/s
95th percentile per-packet one-way delay: 2.060 ms
Loss rate: 0.02%
```

Run 1: Report of LEDBAT — Data Link

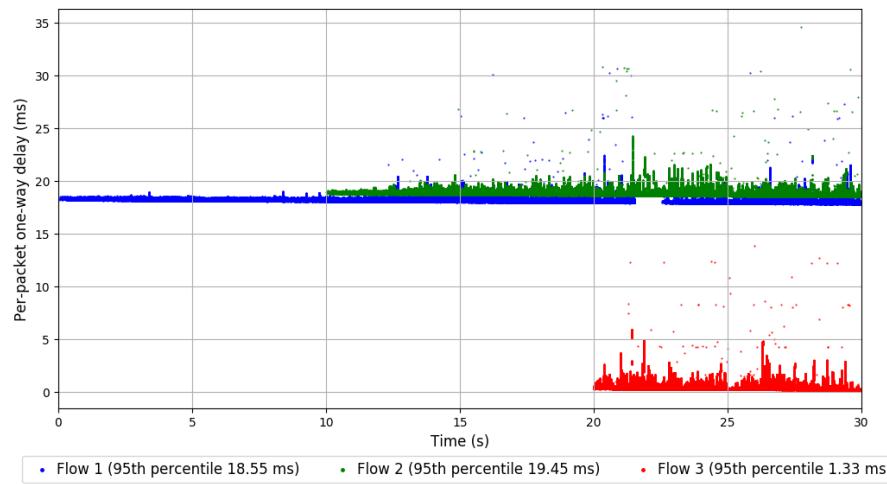
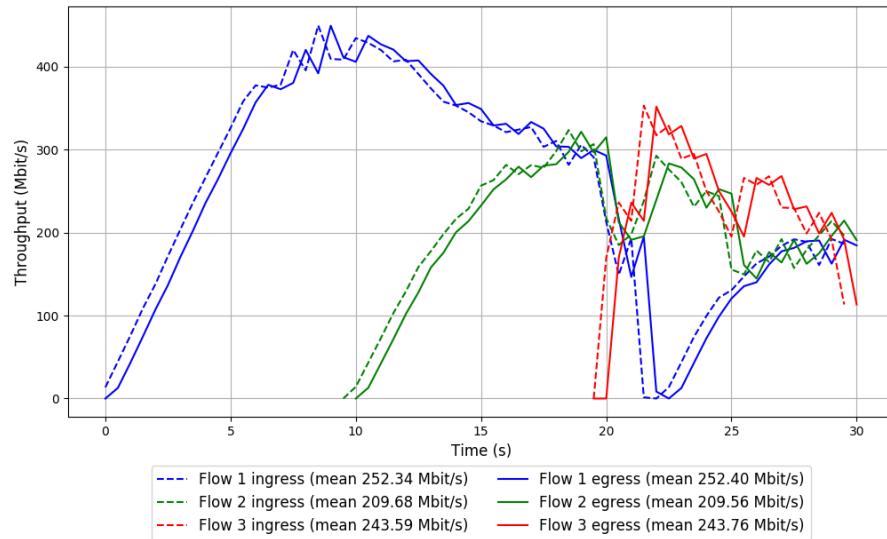


Run 2: Statistics of LEDBAT

```
Start at: 2019-12-11 15:55:52
End at: 2019-12-11 15:56:22
Local clock offset: 3.173 ms
Remote clock offset: 6.054 ms

# Below is generated by plot.py at 2019-12-11 18:36:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 473.04 Mbit/s
95th percentile per-packet one-way delay: 19.060 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 252.40 Mbit/s
95th percentile per-packet one-way delay: 18.552 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 209.56 Mbit/s
95th percentile per-packet one-way delay: 19.455 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 243.76 Mbit/s
95th percentile per-packet one-way delay: 1.331 ms
Loss rate: 0.01%
```

Run 2: Report of LEDBAT — Data Link

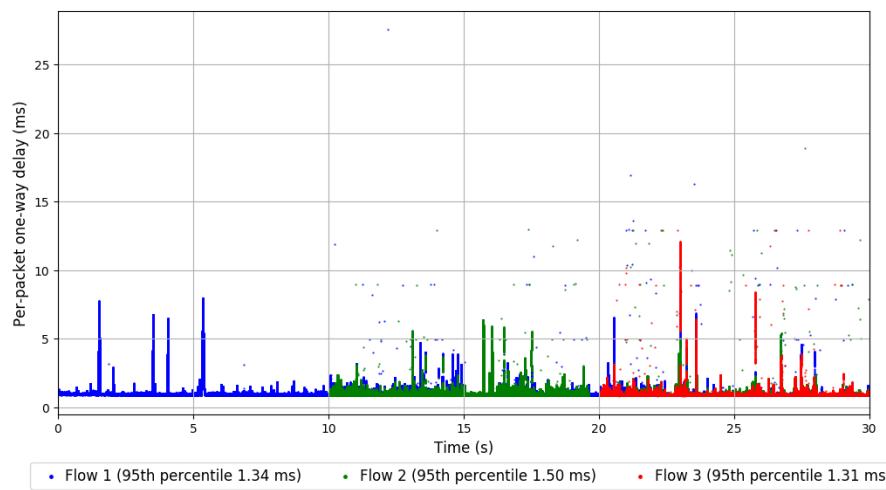
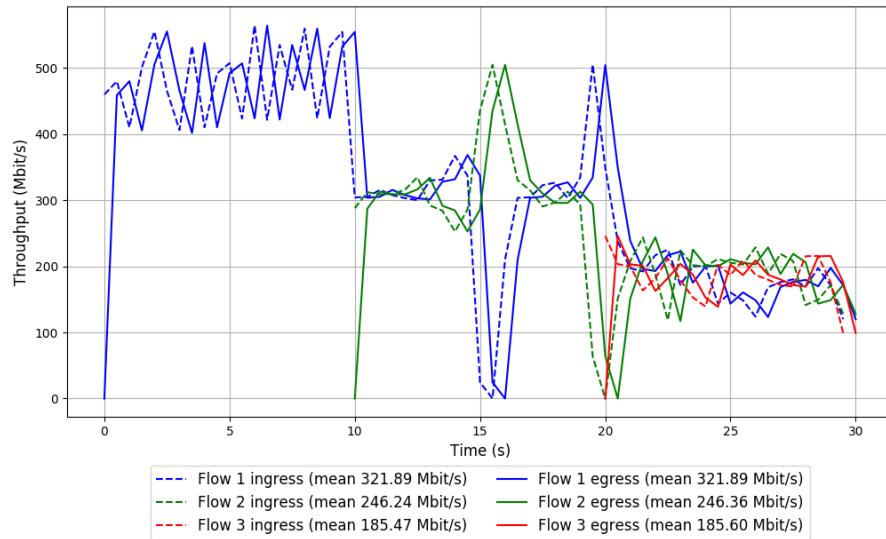


Run 3: Statistics of LEDBAT

```
Start at: 2019-12-11 16:30:26
End at: 2019-12-11 16:30:56
Local clock offset: 2.904 ms
Remote clock offset: -3.189 ms

# Below is generated by plot.py at 2019-12-11 18:37:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 547.46 Mbit/s
95th percentile per-packet one-way delay: 1.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 321.89 Mbit/s
95th percentile per-packet one-way delay: 1.341 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 246.36 Mbit/s
95th percentile per-packet one-way delay: 1.502 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 185.60 Mbit/s
95th percentile per-packet one-way delay: 1.310 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

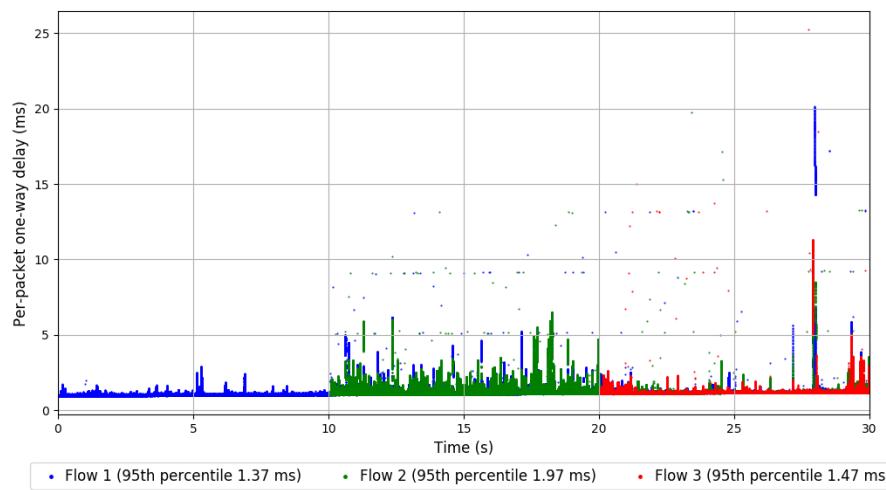
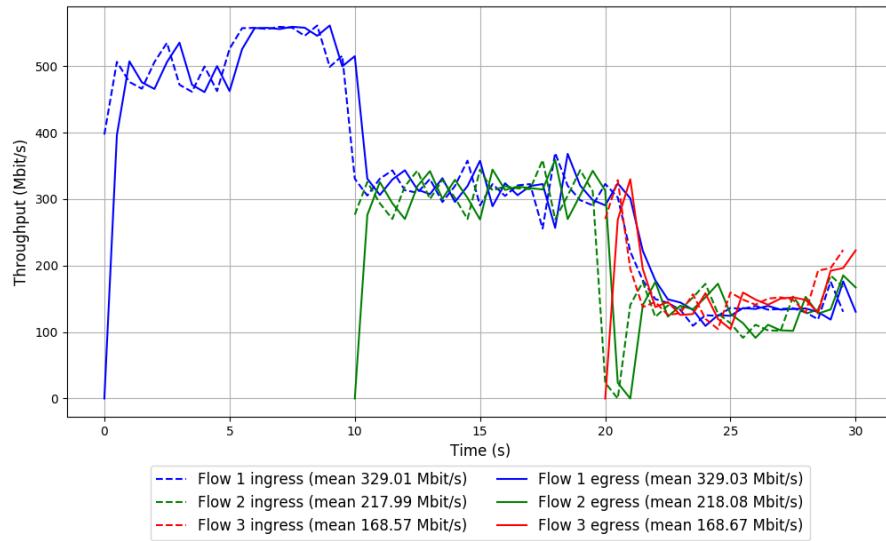


Run 4: Statistics of LEDBAT

```
Start at: 2019-12-11 17:05:34
End at: 2019-12-11 17:06:04
Local clock offset: 2.832 ms
Remote clock offset: -0.899 ms

# Below is generated by plot.py at 2019-12-11 18:37:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 530.08 Mbit/s
95th percentile per-packet one-way delay: 1.538 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 329.03 Mbit/s
95th percentile per-packet one-way delay: 1.366 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 218.08 Mbit/s
95th percentile per-packet one-way delay: 1.966 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 168.67 Mbit/s
95th percentile per-packet one-way delay: 1.465 ms
Loss rate: 0.03%
```

Run 4: Report of LEDBAT — Data Link

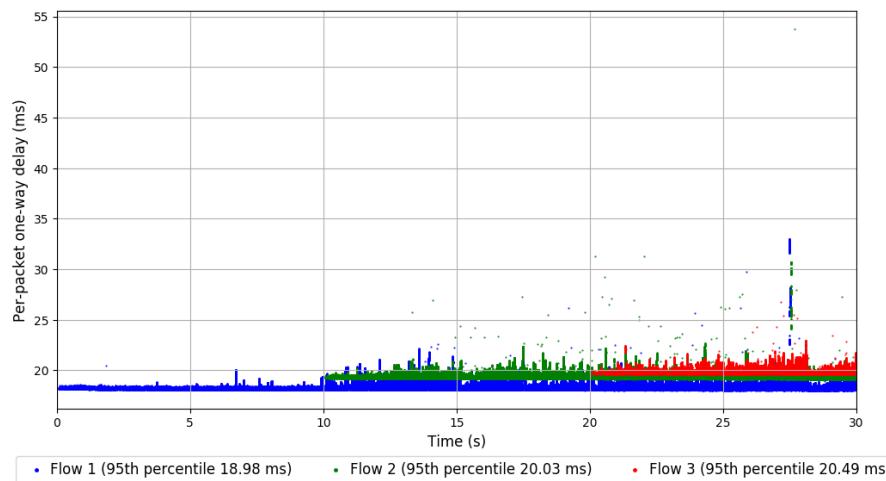
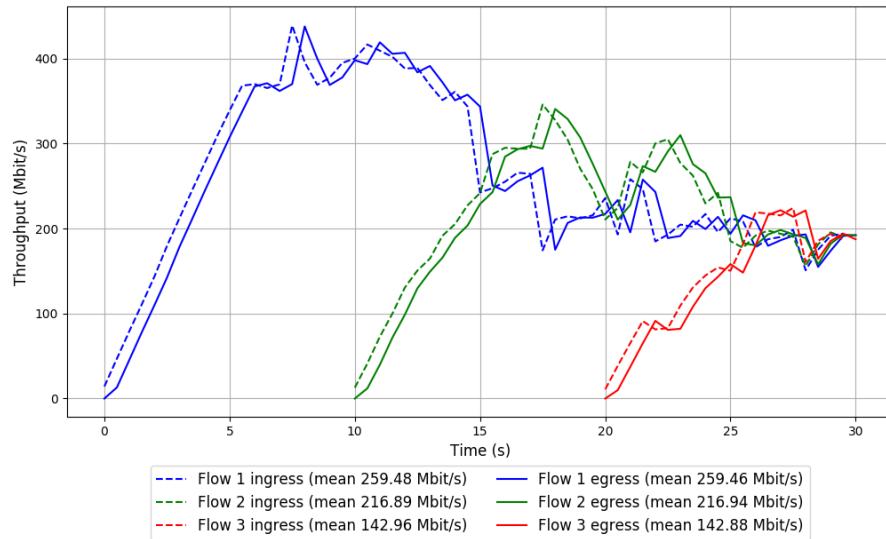


Run 5: Statistics of LEDBAT

```
Start at: 2019-12-11 17:40:37
End at: 2019-12-11 17:41:07
Local clock offset: 3.674 ms
Remote clock offset: 1.893 ms

# Below is generated by plot.py at 2019-12-11 18:37:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 451.24 Mbit/s
95th percentile per-packet one-way delay: 19.953 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 259.46 Mbit/s
95th percentile per-packet one-way delay: 18.976 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 216.94 Mbit/s
95th percentile per-packet one-way delay: 20.027 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 142.88 Mbit/s
95th percentile per-packet one-way delay: 20.491 ms
Loss rate: 0.27%
```

Run 5: Report of LEDBAT — Data Link

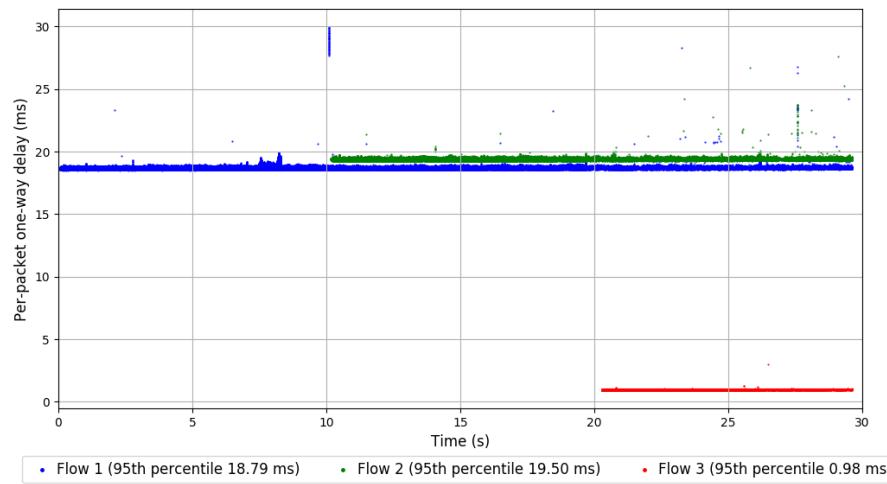
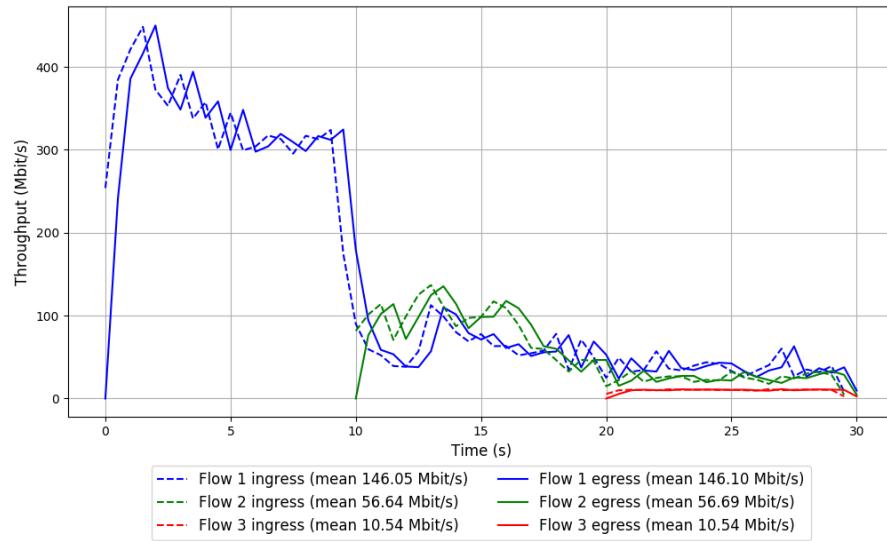


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 15:13:23
End at: 2019-12-11 15:13:53
Local clock offset: 3.209 ms
Remote clock offset: 6.491 ms

# Below is generated by plot.py at 2019-12-11 18:37:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 186.71 Mbit/s
95th percentile per-packet one-way delay: 19.411 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 146.10 Mbit/s
95th percentile per-packet one-way delay: 18.785 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 56.69 Mbit/s
95th percentile per-packet one-way delay: 19.503 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 10.54 Mbit/s
95th percentile per-packet one-way delay: 0.982 ms
Loss rate: 0.01%
```

Run 1: Report of Muses_DecisionTree — Data Link

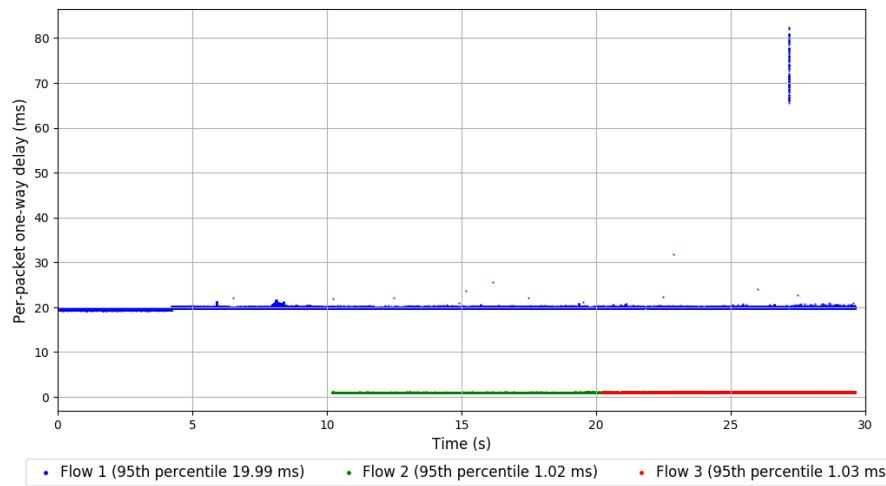
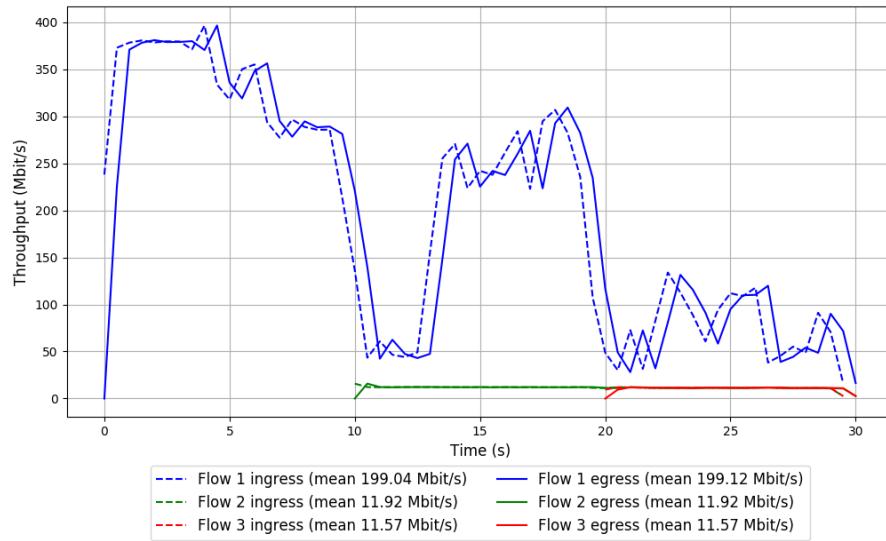


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 15:48:21
End at: 2019-12-11 15:48:51
Local clock offset: 3.252 ms
Remote clock offset: 10.721 ms

# Below is generated by plot.py at 2019-12-11 18:37:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 210.62 Mbit/s
95th percentile per-packet one-way delay: 19.989 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 199.12 Mbit/s
95th percentile per-packet one-way delay: 19.992 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 1.024 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 0.01%
```

Run 2: Report of Muses_DecisionTree — Data Link

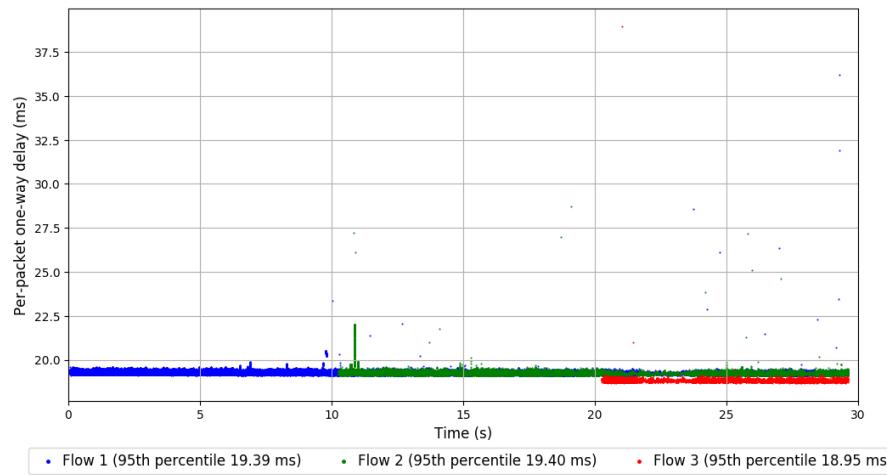
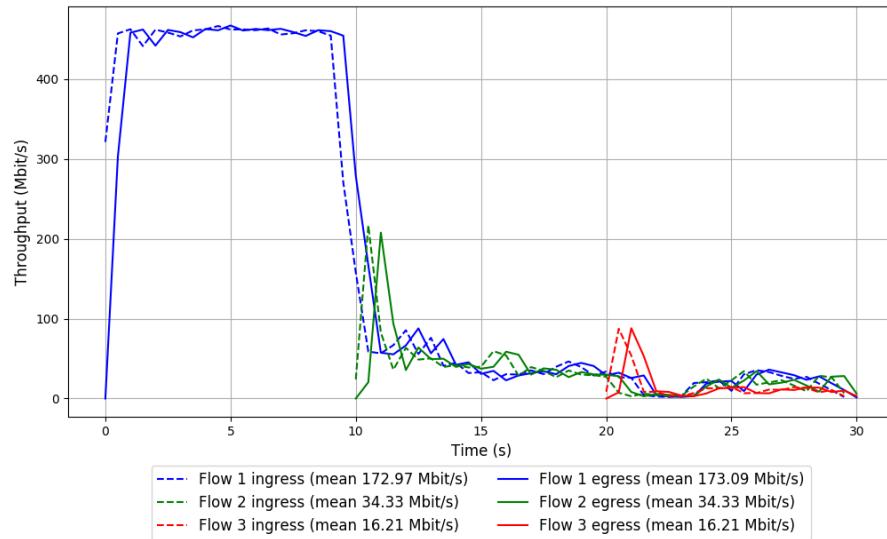


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 16:23:04
End at: 2019-12-11 16:23:34
Local clock offset: 2.953 ms
Remote clock offset: -2.373 ms

# Below is generated by plot.py at 2019-12-11 18:37:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 200.64 Mbit/s
95th percentile per-packet one-way delay: 19.389 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 173.09 Mbit/s
95th percentile per-packet one-way delay: 19.390 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 19.396 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 16.21 Mbit/s
95th percentile per-packet one-way delay: 18.948 ms
Loss rate: 0.20%
```

Run 3: Report of Muses_DecisionTree — Data Link

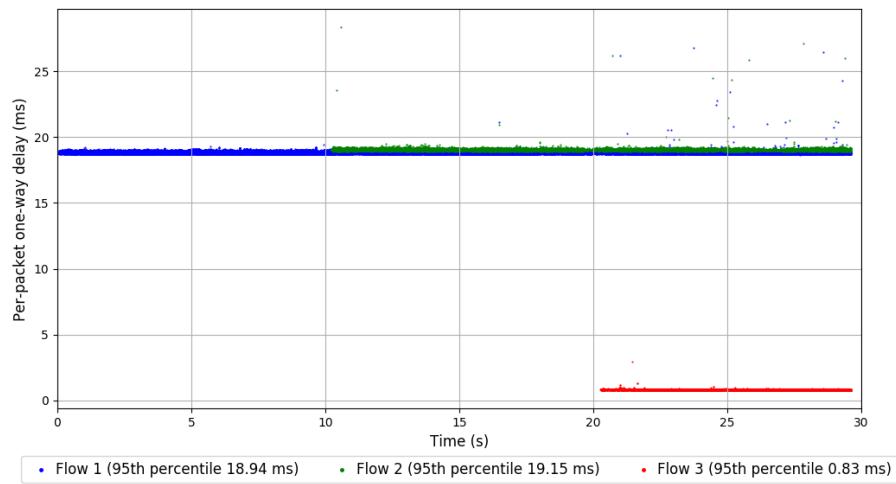
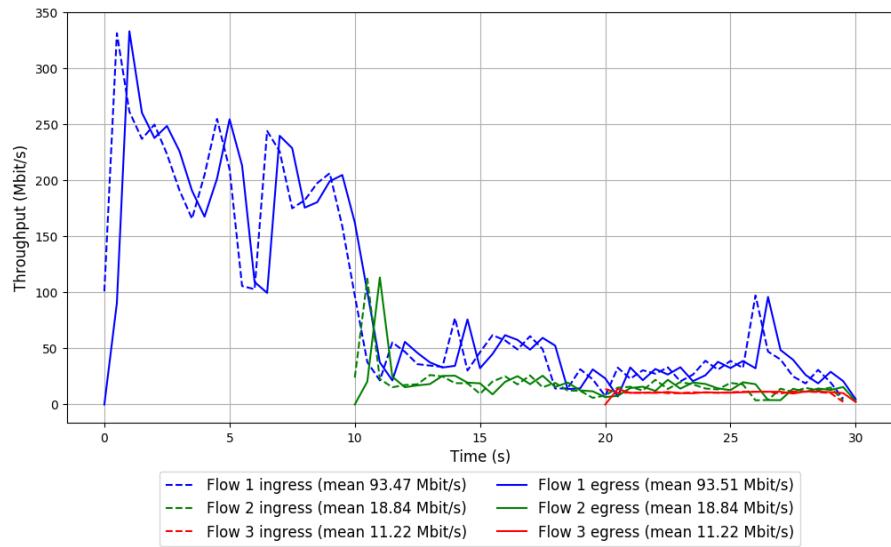


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 16:58:07
End at: 2019-12-11 16:58:37
Local clock offset: 2.867 ms
Remote clock offset: -5.52 ms

# Below is generated by plot.py at 2019-12-11 18:37:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 109.38 Mbit/s
95th percentile per-packet one-way delay: 19.046 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 18.937 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 18.84 Mbit/s
95th percentile per-packet one-way delay: 19.154 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 0.834 ms
Loss rate: 0.02%
```

Run 4: Report of Muses_DecisionTree — Data Link

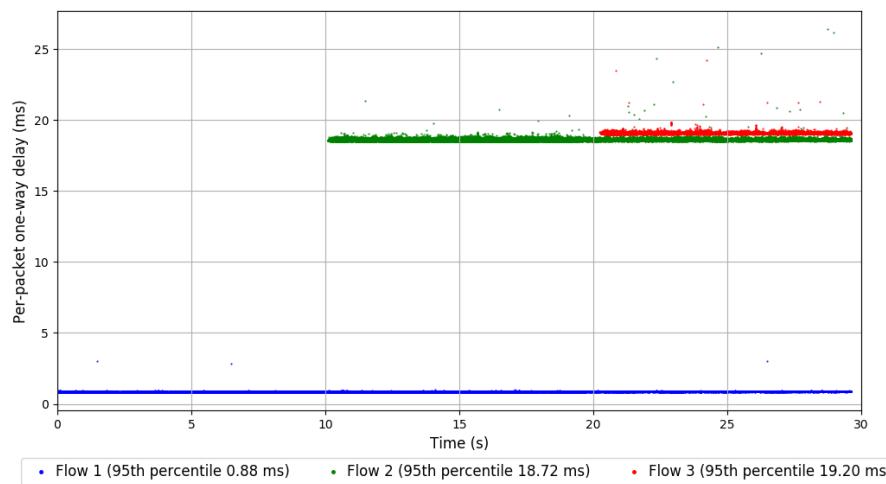
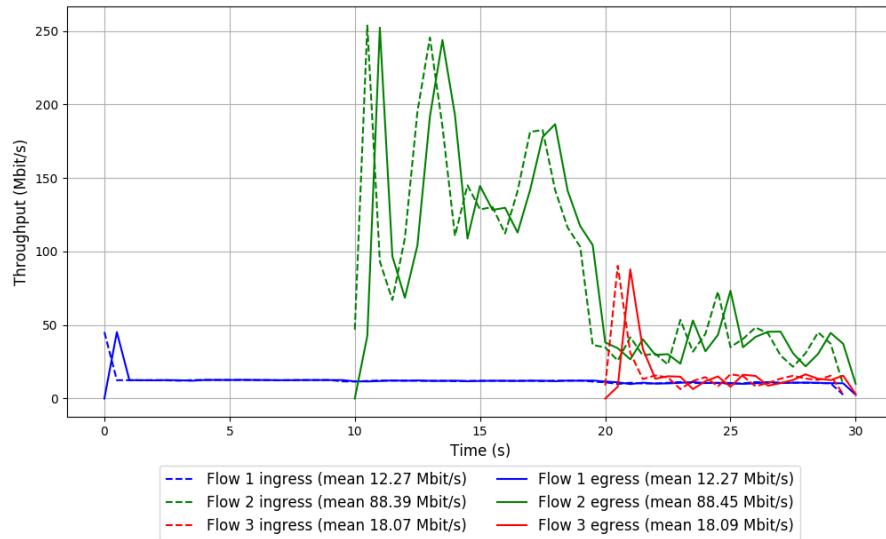


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 17:33:11
End at: 2019-12-11 17:33:41
Local clock offset: 3.592 ms
Remote clock offset: 4.155 ms

# Below is generated by plot.py at 2019-12-11 18:37:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.29 Mbit/s
95th percentile per-packet one-way delay: 19.063 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 0.883 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 88.45 Mbit/s
95th percentile per-packet one-way delay: 18.722 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 18.09 Mbit/s
95th percentile per-packet one-way delay: 19.202 ms
Loss rate: 0.11%
```

Run 5: Report of Muses_DecisionTree — Data Link

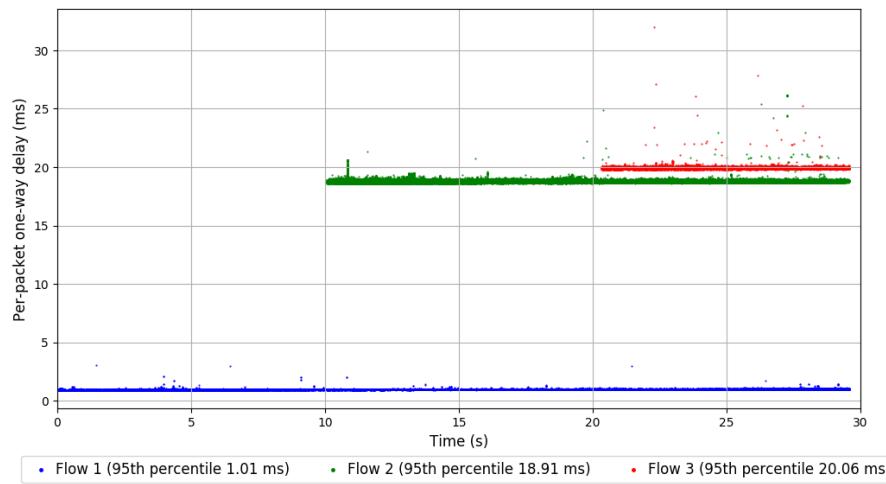
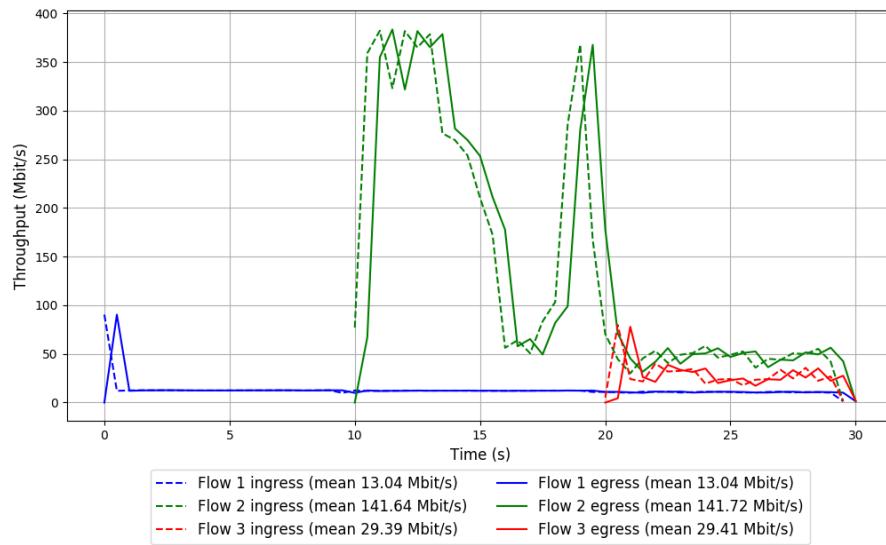


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 15:03:26
End at: 2019-12-11 15:03:56
Local clock offset: 3.114 ms
Remote clock offset: 4.943 ms

# Below is generated by plot.py at 2019-12-11 18:37:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 115.91 Mbit/s
95th percentile per-packet one-way delay: 19.893 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.04 Mbit/s
95th percentile per-packet one-way delay: 1.011 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 141.72 Mbit/s
95th percentile per-packet one-way delay: 18.906 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 20.058 ms
Loss rate: 0.03%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

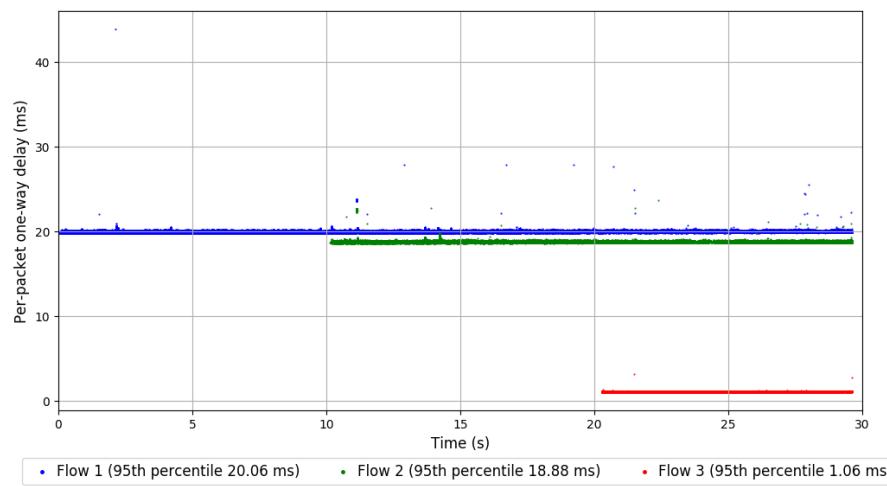
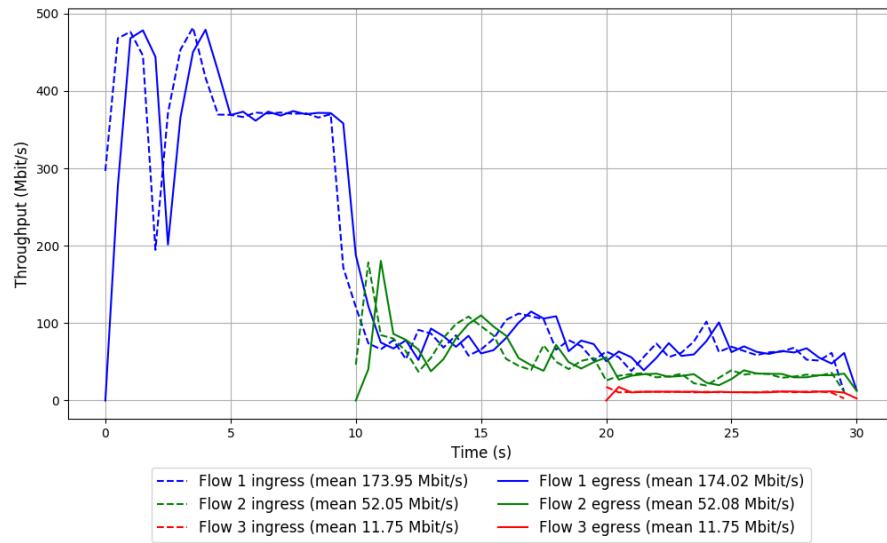


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 15:38:24
End at: 2019-12-11 15:38:54
Local clock offset: 3.383 ms
Remote clock offset: 9.525 ms

# Below is generated by plot.py at 2019-12-11 18:37:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 211.99 Mbit/s
95th percentile per-packet one-way delay: 20.055 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 174.02 Mbit/s
95th percentile per-packet one-way delay: 20.064 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 52.08 Mbit/s
95th percentile per-packet one-way delay: 18.883 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 1.064 ms
Loss rate: 0.01%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

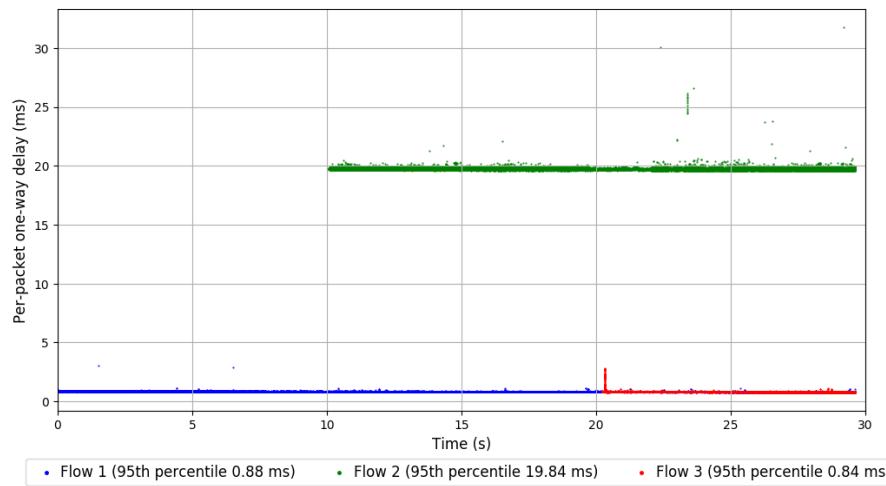
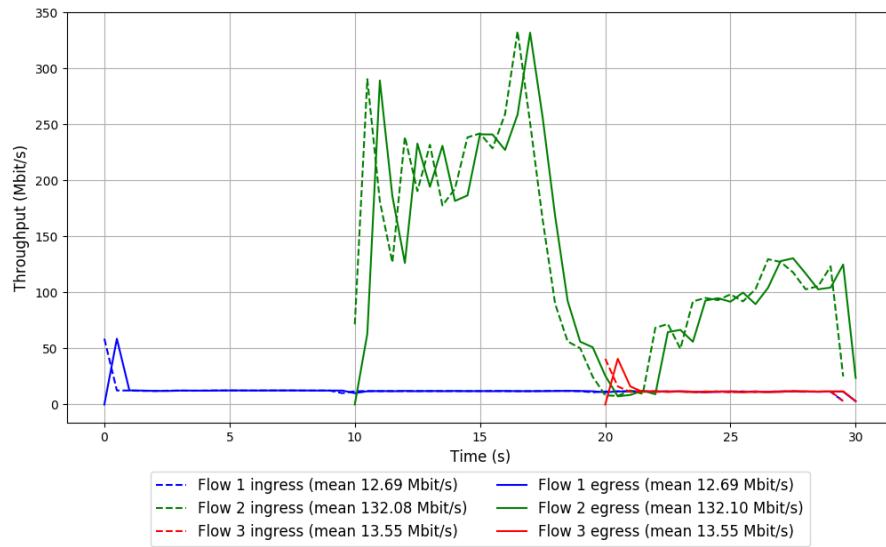


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 16:13:06
End at: 2019-12-11 16:13:36
Local clock offset: 3.083 ms
Remote clock offset: -0.943 ms

# Below is generated by plot.py at 2019-12-11 18:37:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 104.29 Mbit/s
95th percentile per-packet one-way delay: 19.838 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 0.876 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 132.10 Mbit/s
95th percentile per-packet one-way delay: 19.845 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 13.55 Mbit/s
95th percentile per-packet one-way delay: 0.841 ms
Loss rate: 0.02%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

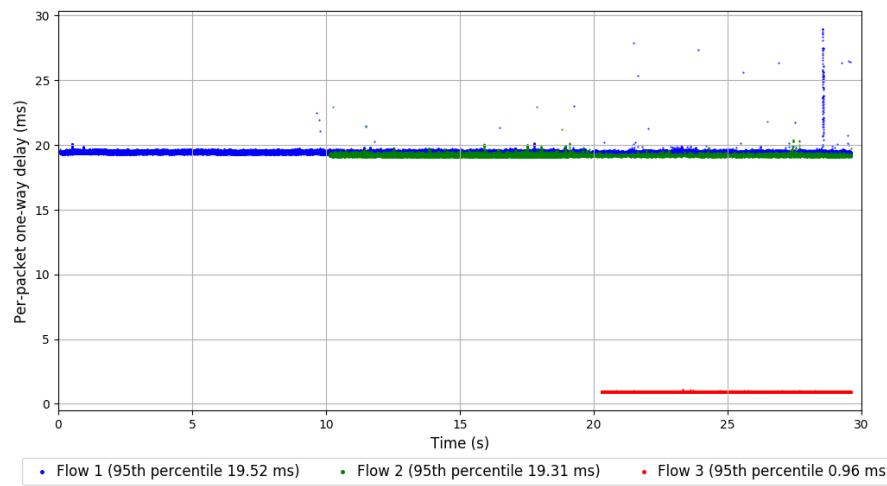
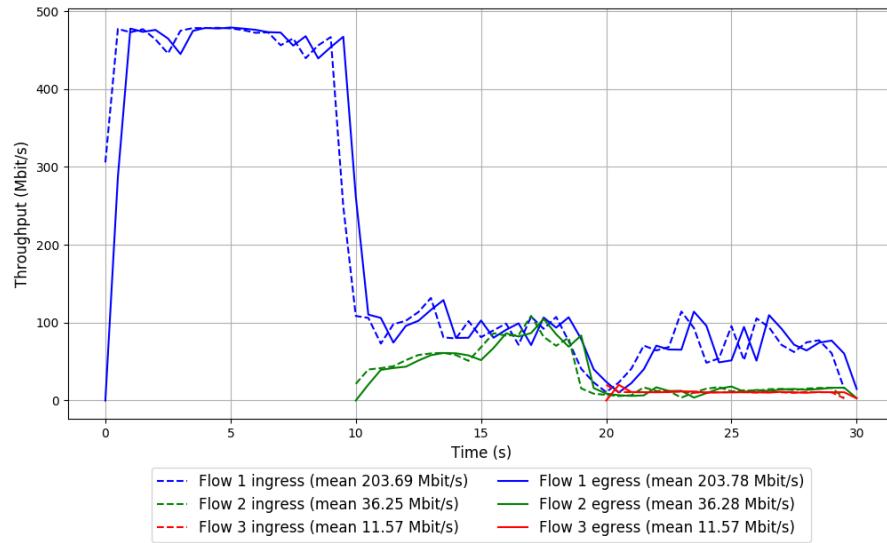


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 16:48:06
End at: 2019-12-11 16:48:36
Local clock offset: 2.886 ms
Remote clock offset: -4.745 ms

# Below is generated by plot.py at 2019-12-11 18:38:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 231.32 Mbit/s
95th percentile per-packet one-way delay: 19.513 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 203.78 Mbit/s
95th percentile per-packet one-way delay: 19.518 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 36.28 Mbit/s
95th percentile per-packet one-way delay: 19.309 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 0.959 ms
Loss rate: 0.02%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

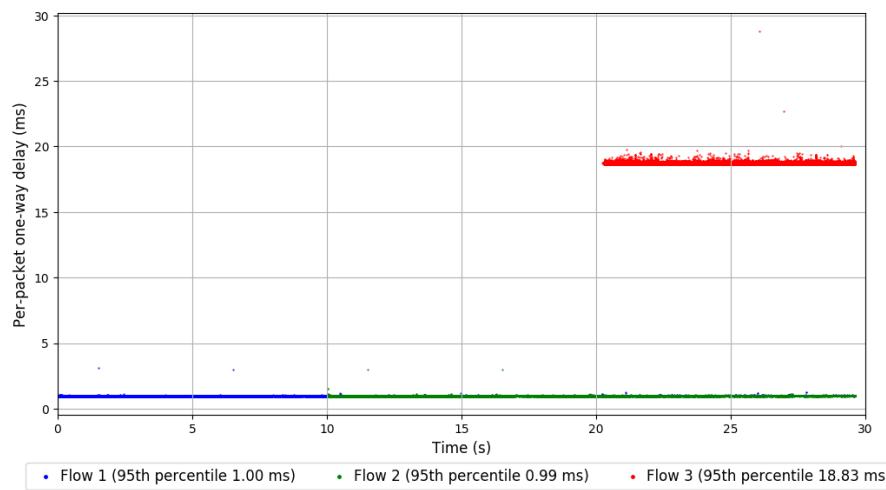
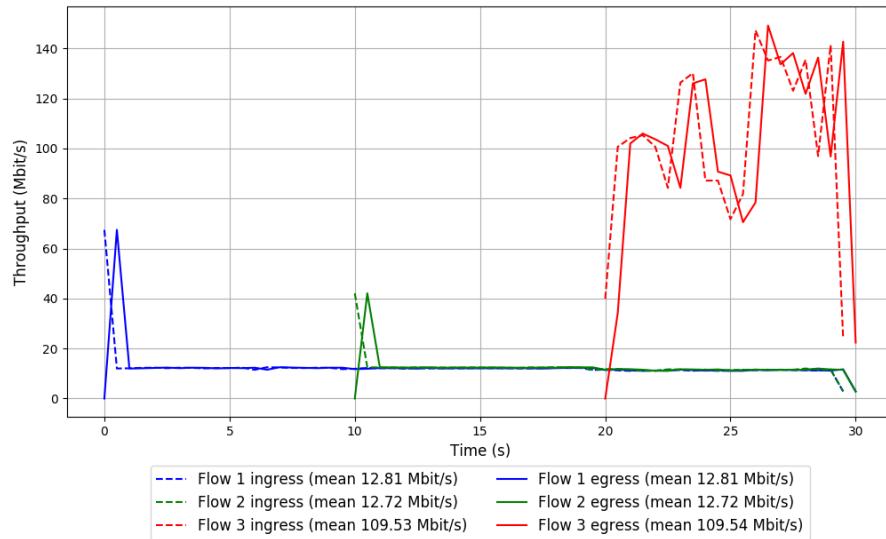


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 17:23:19
End at: 2019-12-11 17:23:49
Local clock offset: 3.455 ms
Remote clock offset: 3.367 ms

# Below is generated by plot.py at 2019-12-11 18:38:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 18.808 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 12.81 Mbit/s
95th percentile per-packet one-way delay: 0.998 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 109.54 Mbit/s
95th percentile per-packet one-way delay: 18.829 ms
Loss rate: 0.20%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

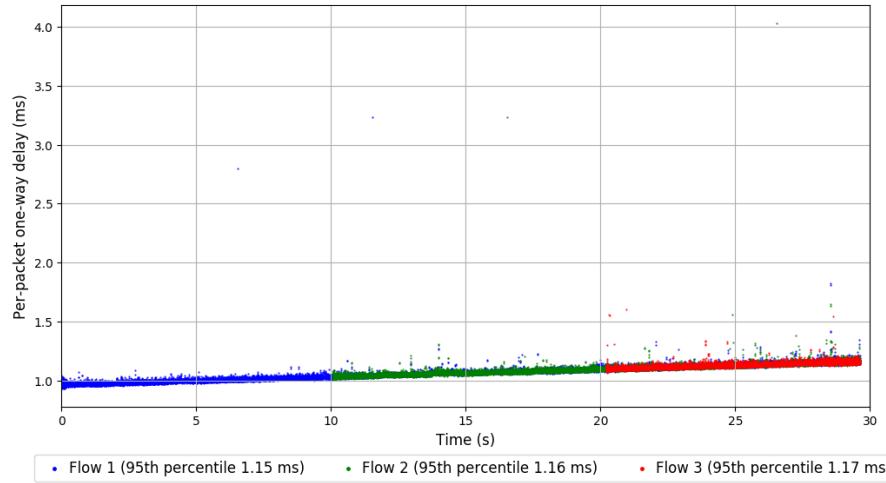
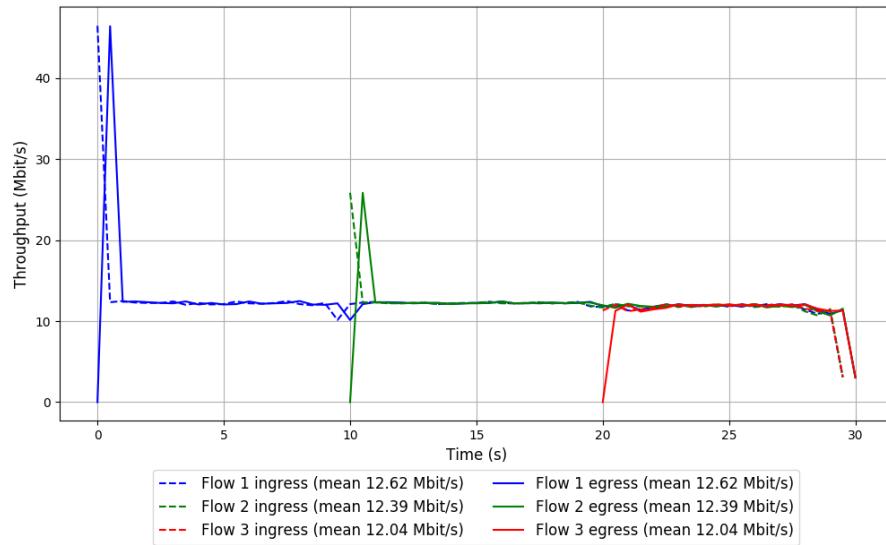


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 14:50:27
End at: 2019-12-11 14:50:57
Local clock offset: 3.11 ms
Remote clock offset: 1.462 ms

# Below is generated by plot.py at 2019-12-11 18:38:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.62 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.39 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.02%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

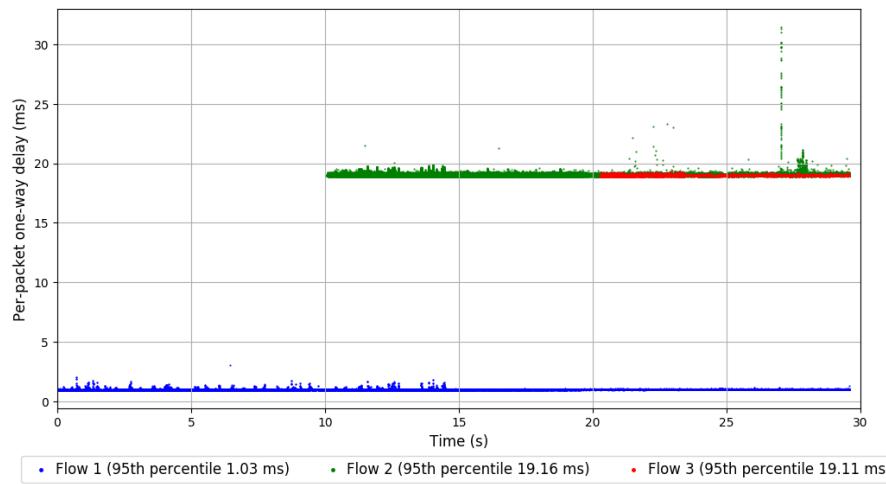
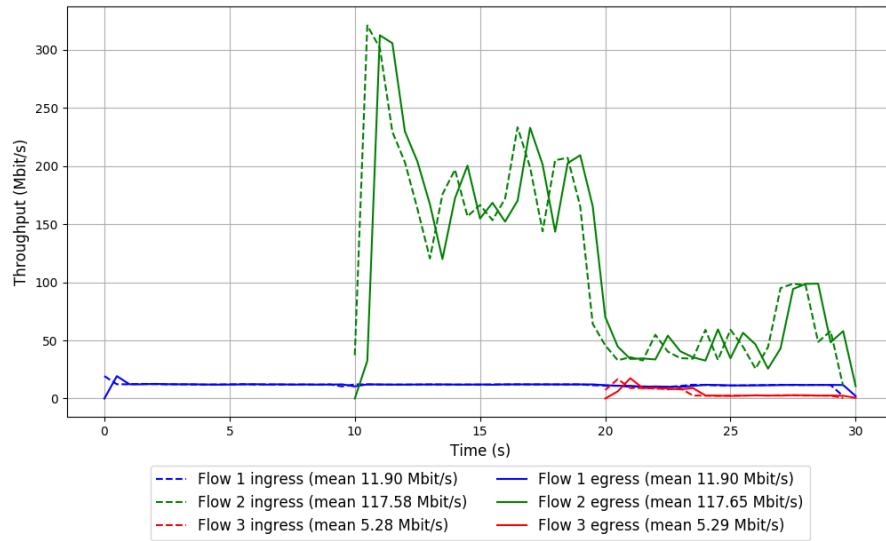


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 15:25:24
End at: 2019-12-11 15:25:54
Local clock offset: 3.36 ms
Remote clock offset: 8.039 ms

# Below is generated by plot.py at 2019-12-11 18:38:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 19.155 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 11.90 Mbit/s
95th percentile per-packet one-way delay: 1.027 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 117.65 Mbit/s
95th percentile per-packet one-way delay: 19.165 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 5.29 Mbit/s
95th percentile per-packet one-way delay: 19.114 ms
Loss rate: 0.05%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

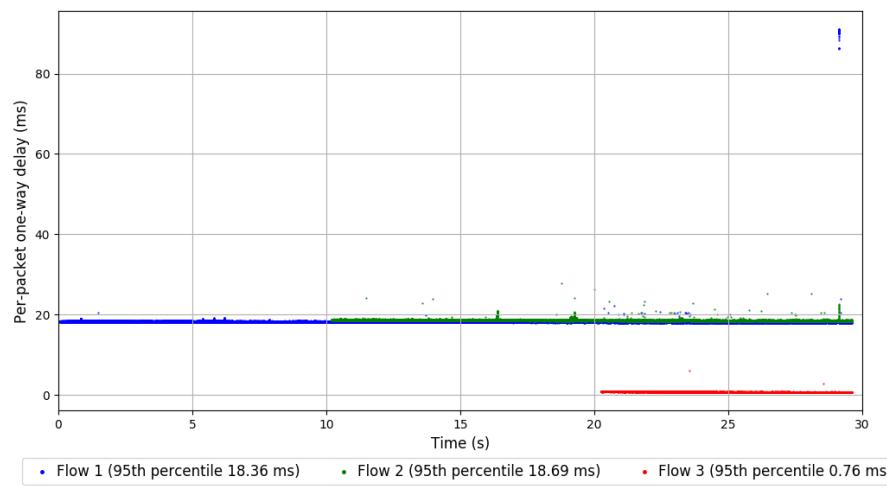
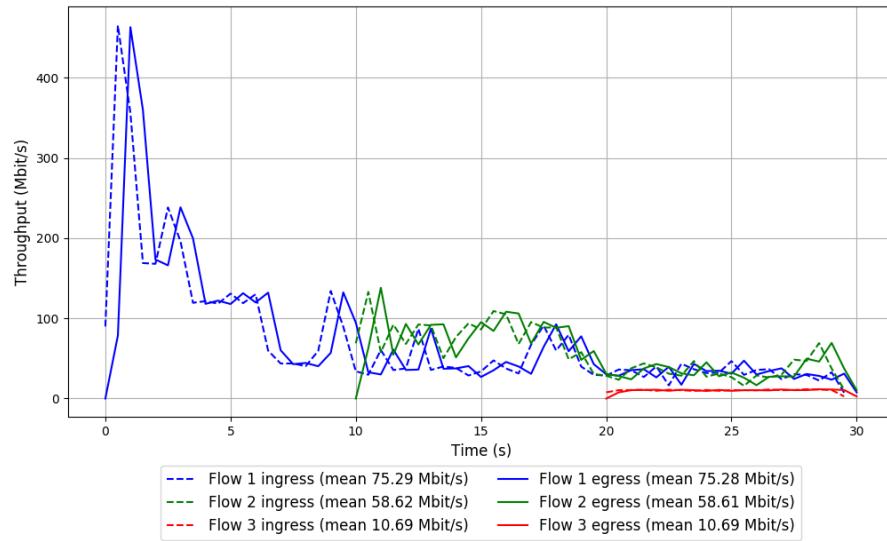


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 16:00:22
End at: 2019-12-11 16:00:52
Local clock offset: 3.218 ms
Remote clock offset: 2.876 ms

# Below is generated by plot.py at 2019-12-11 18:38:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 117.13 Mbit/s
95th percentile per-packet one-way delay: 18.630 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 75.28 Mbit/s
95th percentile per-packet one-way delay: 18.357 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 18.691 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: 0.761 ms
Loss rate: 0.02%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

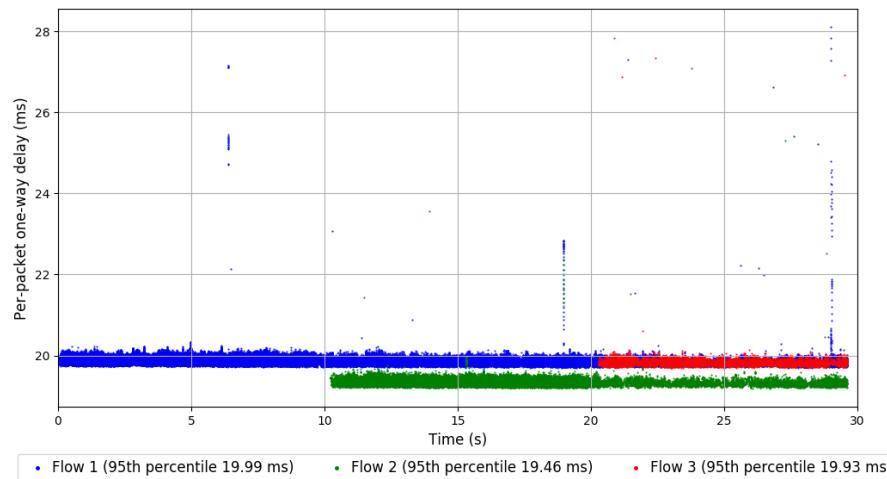
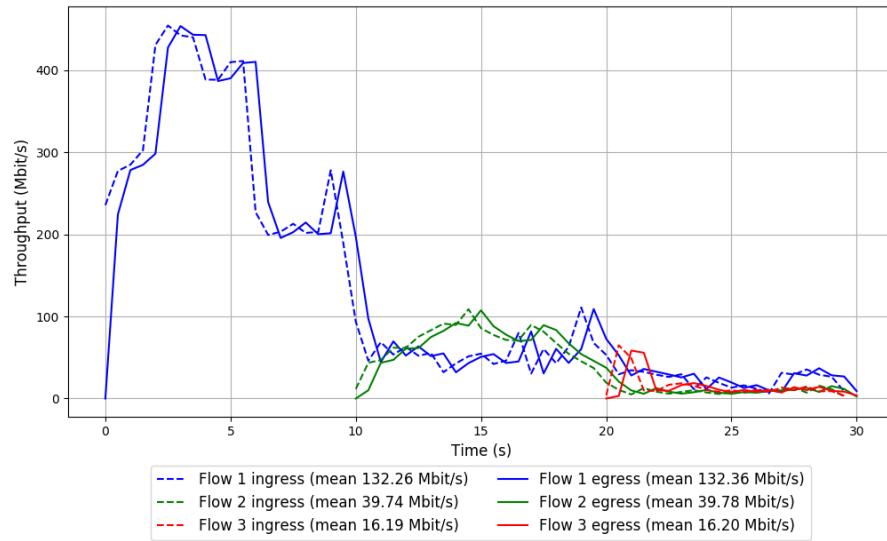


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 16:35:01
End at: 2019-12-11 16:35:31
Local clock offset: 2.907 ms
Remote clock offset: -3.568 ms

# Below is generated by plot.py at 2019-12-11 18:38:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 163.52 Mbit/s
95th percentile per-packet one-way delay: 19.979 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 132.36 Mbit/s
95th percentile per-packet one-way delay: 19.988 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.78 Mbit/s
95th percentile per-packet one-way delay: 19.462 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 16.20 Mbit/s
95th percentile per-packet one-way delay: 19.935 ms
Loss rate: 0.15%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

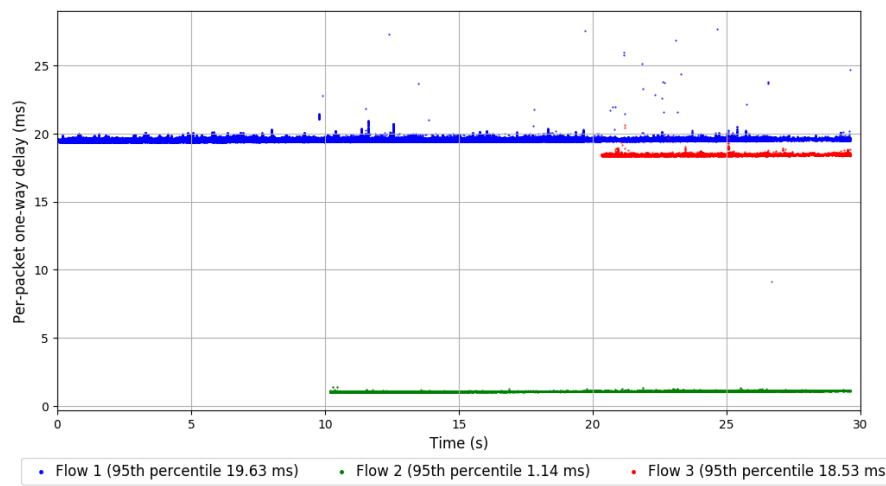
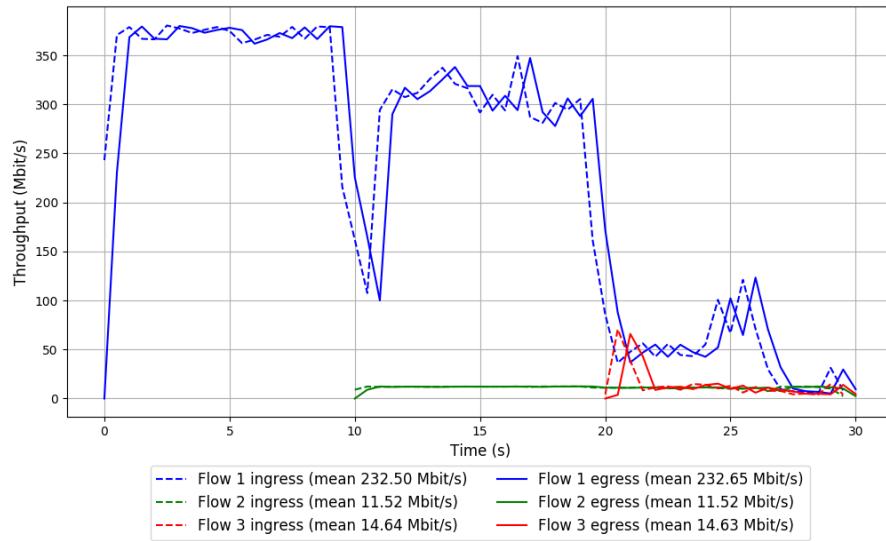


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 17:09:59
End at: 2019-12-11 17:10:29
Local clock offset: 2.928 ms
Remote clock offset: 0.832 ms

# Below is generated by plot.py at 2019-12-11 18:39:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 244.79 Mbit/s
95th percentile per-packet one-way delay: 19.629 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 232.65 Mbit/s
95th percentile per-packet one-way delay: 19.631 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 1.143 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 14.63 Mbit/s
95th percentile per-packet one-way delay: 18.531 ms
Loss rate: 0.27%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

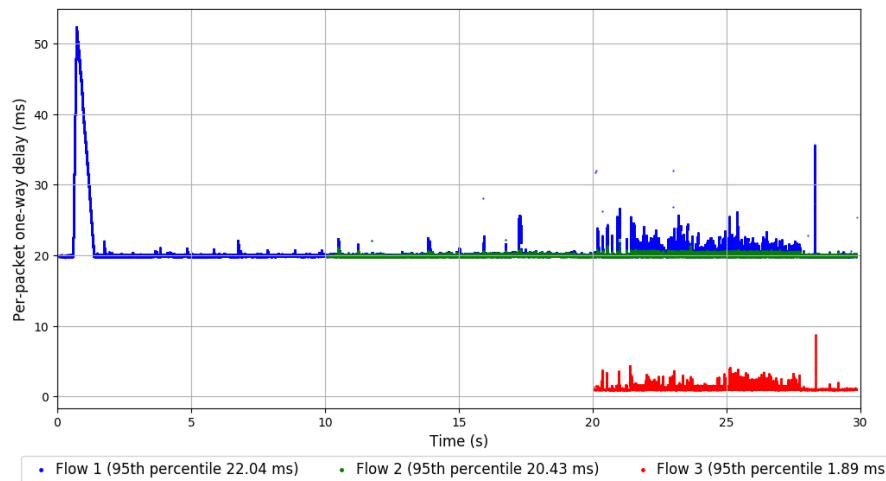
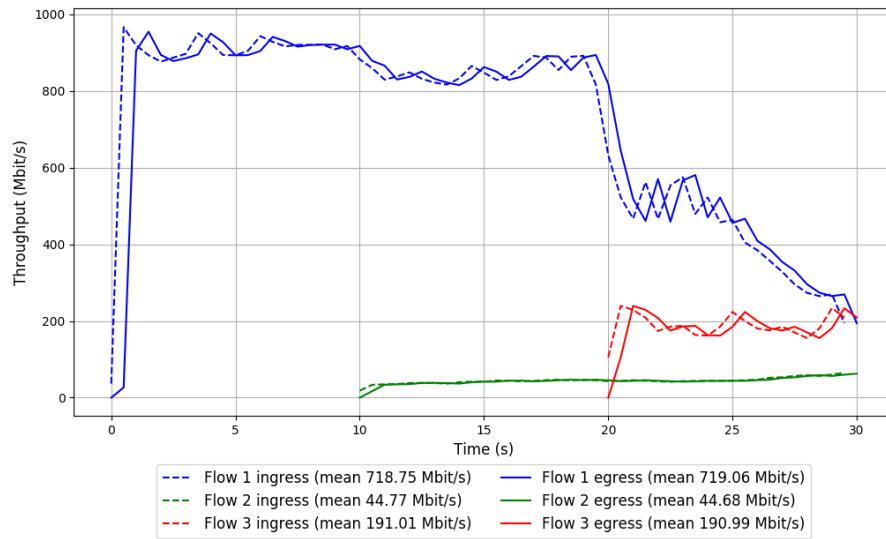


Run 1: Statistics of PCC-Allegro

```
Start at: 2019-12-11 15:10:28
End at: 2019-12-11 15:10:58
Local clock offset: 3.173 ms
Remote clock offset: 6.029 ms

# Below is generated by plot.py at 2019-12-11 18:45:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 811.46 Mbit/s
95th percentile per-packet one-way delay: 21.709 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 719.06 Mbit/s
95th percentile per-packet one-way delay: 22.039 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 20.430 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 190.99 Mbit/s
95th percentile per-packet one-way delay: 1.892 ms
Loss rate: 0.03%
```

Run 1: Report of PCC-Allegro — Data Link

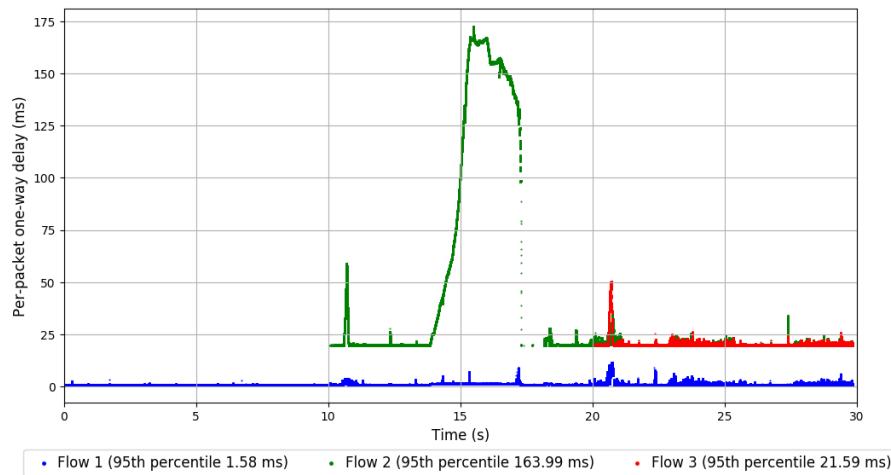
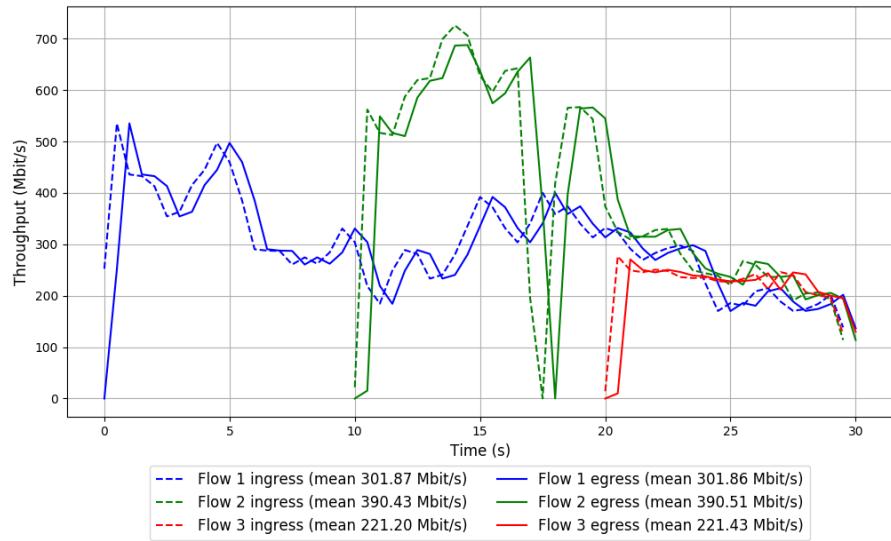


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-12-11 15:45:30
End at: 2019-12-11 15:46:00
Local clock offset: 3.282 ms
Remote clock offset: 10.452 ms

# Below is generated by plot.py at 2019-12-11 18:45:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 633.81 Mbit/s
95th percentile per-packet one-way delay: 148.475 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 301.86 Mbit/s
95th percentile per-packet one-way delay: 1.578 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 390.51 Mbit/s
95th percentile per-packet one-way delay: 163.988 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 221.43 Mbit/s
95th percentile per-packet one-way delay: 21.595 ms
Loss rate: 0.13%
```

Run 2: Report of PCC-Allegro — Data Link

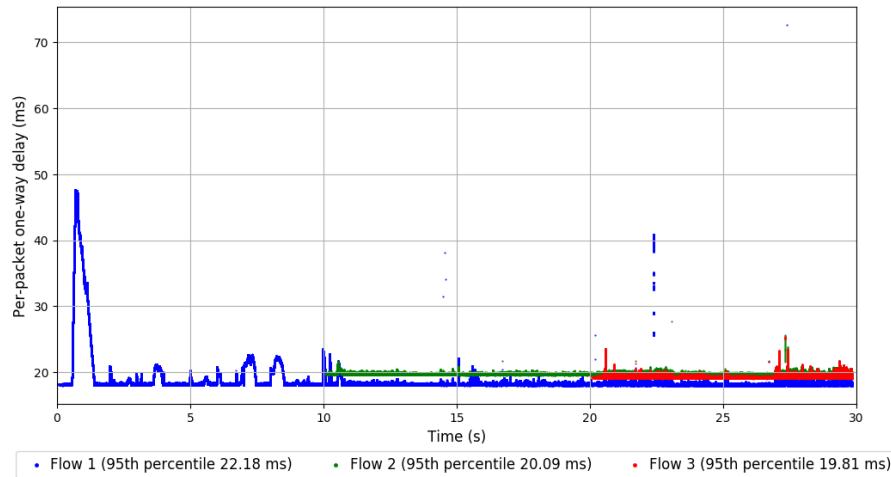
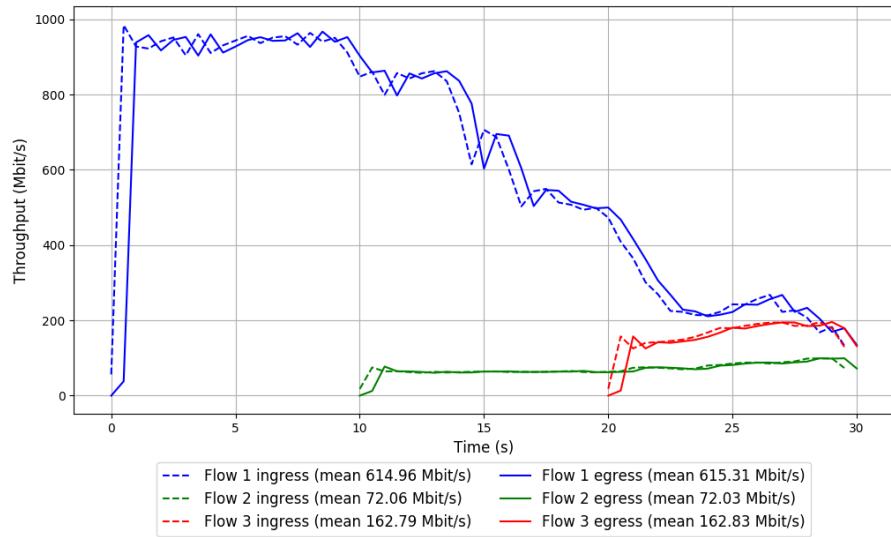


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-12-11 16:20:11
End at: 2019-12-11 16:20:41
Local clock offset: 2.976 ms
Remote clock offset: -2.027 ms

# Below is generated by plot.py at 2019-12-11 18:45:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 716.63 Mbit/s
95th percentile per-packet one-way delay: 21.976 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 615.31 Mbit/s
95th percentile per-packet one-way delay: 22.180 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 72.03 Mbit/s
95th percentile per-packet one-way delay: 20.094 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 162.83 Mbit/s
95th percentile per-packet one-way delay: 19.809 ms
Loss rate: 0.20%
```

Run 3: Report of PCC-Allegro — Data Link

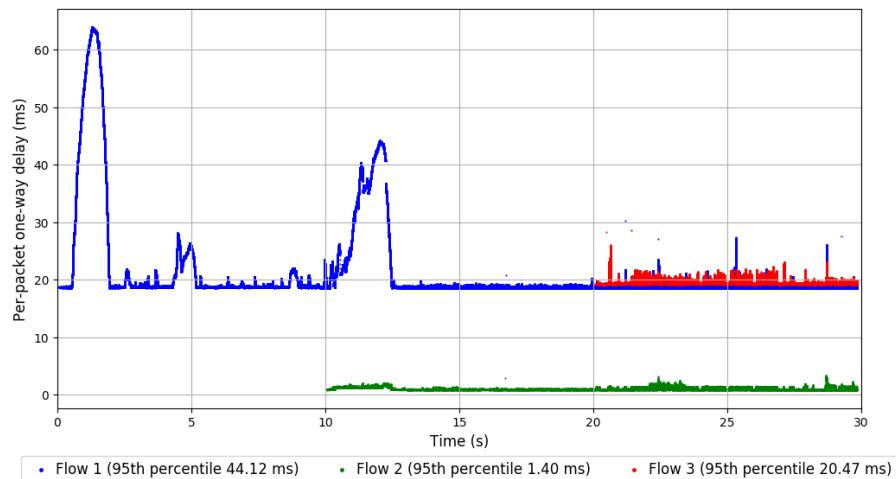
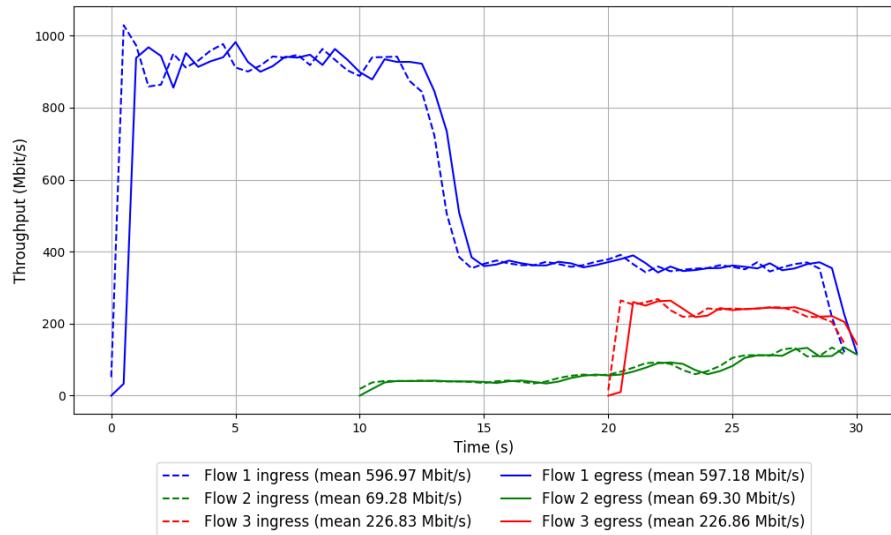


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-12-11 16:55:12
End at: 2019-12-11 16:55:42
Local clock offset: 2.87 ms
Remote clock offset: -5.355 ms

# Below is generated by plot.py at 2019-12-11 18:45:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 717.77 Mbit/s
95th percentile per-packet one-way delay: 43.414 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 597.18 Mbit/s
95th percentile per-packet one-way delay: 44.115 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 69.30 Mbit/s
95th percentile per-packet one-way delay: 1.404 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 226.86 Mbit/s
95th percentile per-packet one-way delay: 20.467 ms
Loss rate: 0.18%
```

Run 4: Report of PCC-Allegro — Data Link

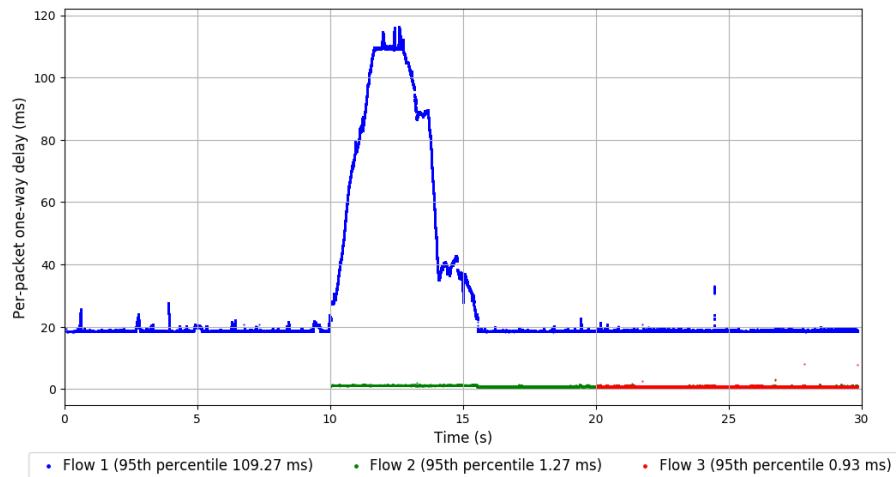
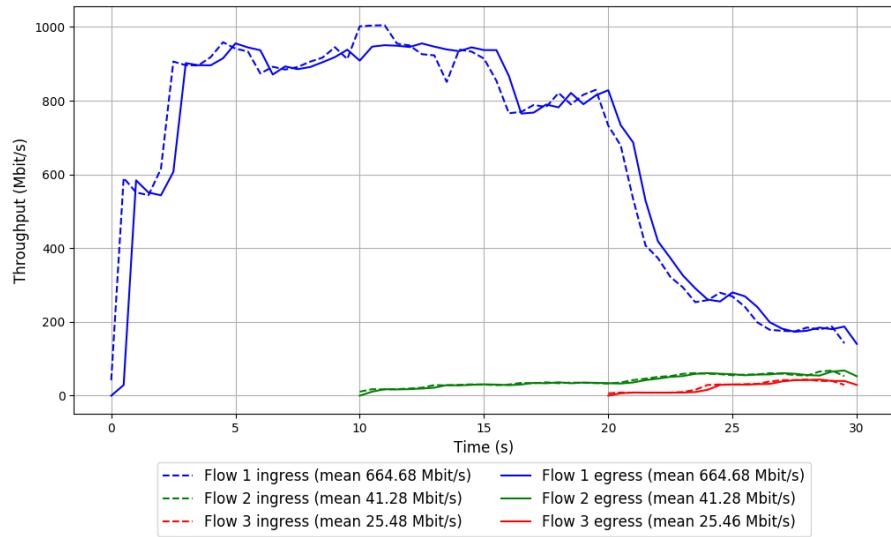


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-12-11 17:30:19
End at: 2019-12-11 17:30:49
Local clock offset: 3.549 ms
Remote clock offset: 4.025 ms

# Below is generated by plot.py at 2019-12-11 18:45:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 700.35 Mbit/s
95th percentile per-packet one-way delay: 108.928 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 664.68 Mbit/s
95th percentile per-packet one-way delay: 109.268 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 41.28 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 0.934 ms
Loss rate: 0.02%
```

Run 5: Report of PCC-Allegro — Data Link

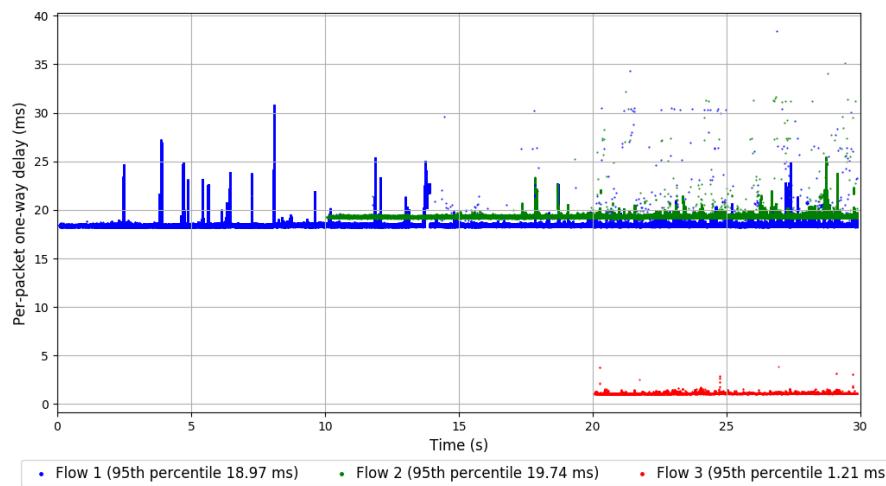
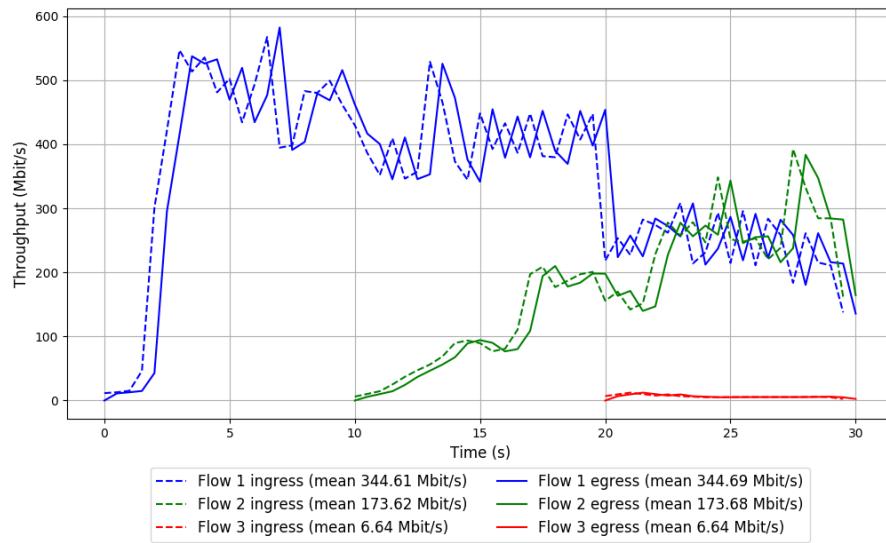


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-12-11 15:22:26
End at: 2019-12-11 15:22:56
Local clock offset: 3.314 ms
Remote clock offset: 7.61 ms

# Below is generated by plot.py at 2019-12-11 18:47:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 462.26 Mbit/s
95th percentile per-packet one-way delay: 19.524 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 344.69 Mbit/s
95th percentile per-packet one-way delay: 18.973 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 173.68 Mbit/s
95th percentile per-packet one-way delay: 19.741 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

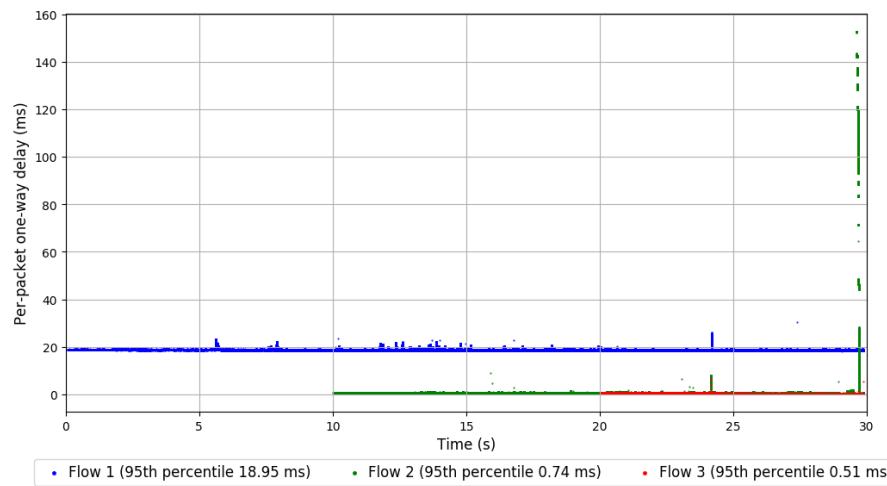
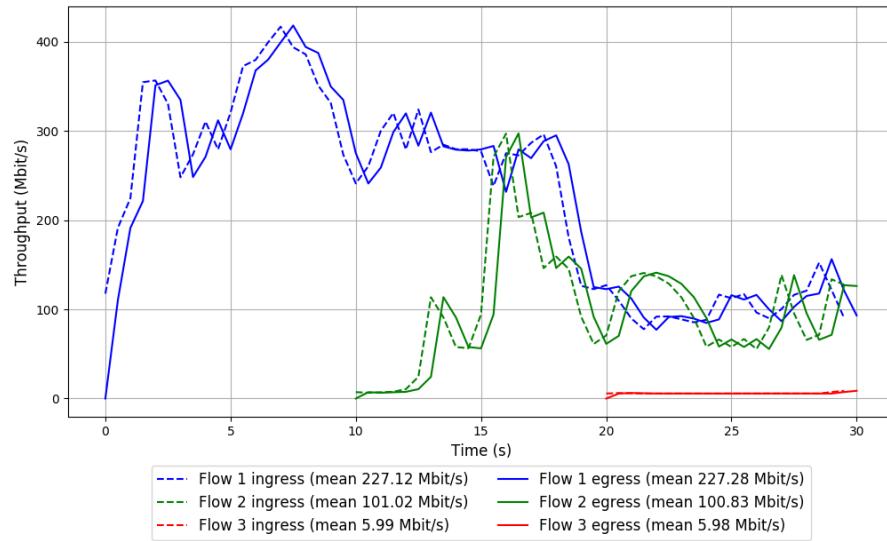


Run 2: Statistics of PCC-Expr

```
Start at: 2019-12-11 15:57:27
End at: 2019-12-11 15:57:57
Local clock offset: 3.194 ms
Remote clock offset: 4.757 ms

# Below is generated by plot.py at 2019-12-11 18:47:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 296.27 Mbit/s
95th percentile per-packet one-way delay: 18.919 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 227.28 Mbit/s
95th percentile per-packet one-way delay: 18.953 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 100.83 Mbit/s
95th percentile per-packet one-way delay: 0.740 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 0.513 ms
Loss rate: 0.02%
```

Run 2: Report of PCC-Expr — Data Link

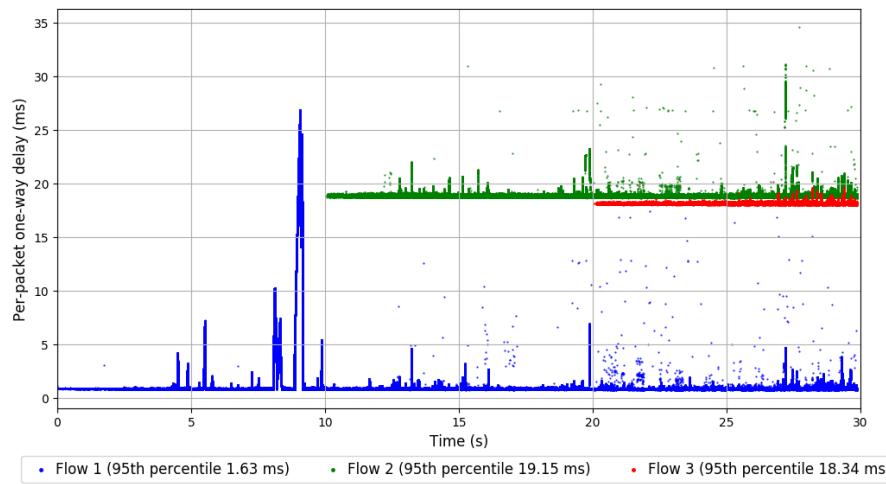
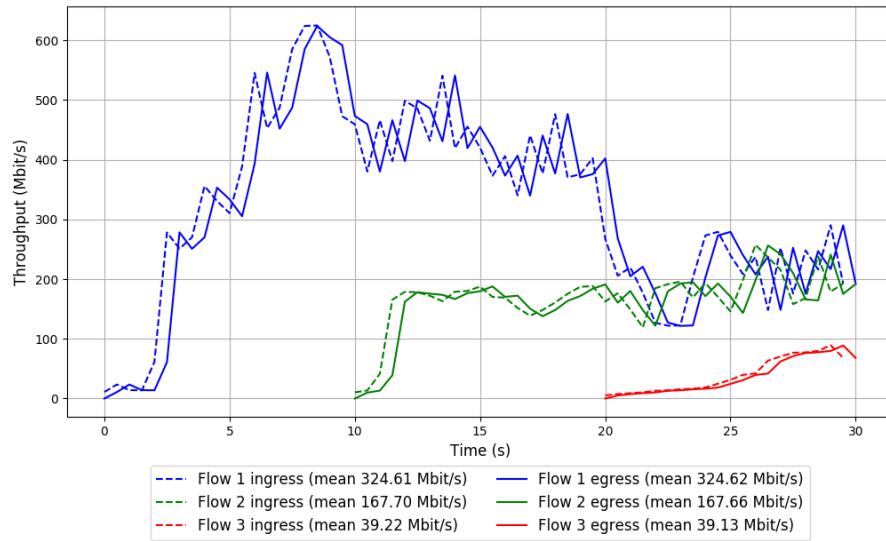


Run 3: Statistics of PCC-Expr

```
Start at: 2019-12-11 16:32:04
End at: 2019-12-11 16:32:34
Local clock offset: 2.918 ms
Remote clock offset: -3.234 ms

# Below is generated by plot.py at 2019-12-11 18:48:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 448.84 Mbit/s
95th percentile per-packet one-way delay: 18.921 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 324.62 Mbit/s
95th percentile per-packet one-way delay: 1.632 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 167.66 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 39.13 Mbit/s
95th percentile per-packet one-way delay: 18.345 ms
Loss rate: 0.42%
```

Run 3: Report of PCC-Expr — Data Link

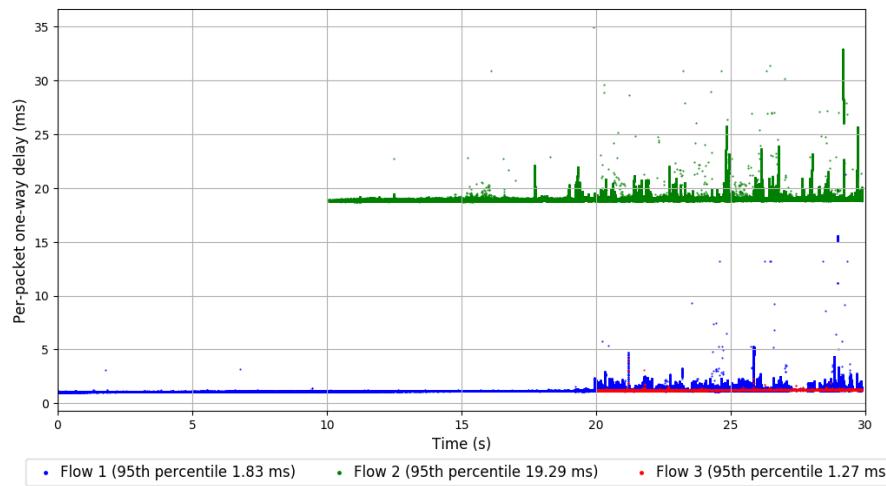
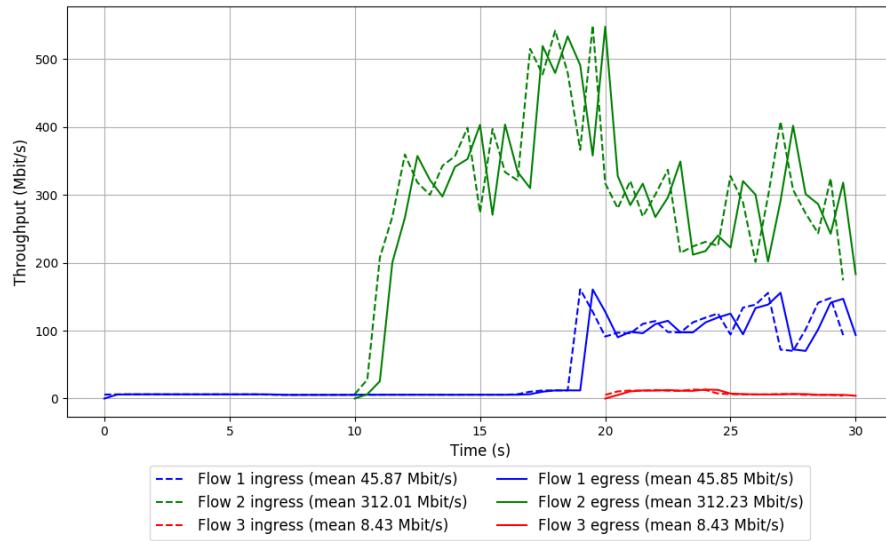


Run 4: Statistics of PCC-Expr

```
Start at: 2019-12-11 17:07:11
End at: 2019-12-11 17:07:41
Local clock offset: 2.825 ms
Remote clock offset: -0.226 ms

# Below is generated by plot.py at 2019-12-11 18:49:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 256.14 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 45.85 Mbit/s
95th percentile per-packet one-way delay: 1.835 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 312.23 Mbit/s
95th percentile per-packet one-way delay: 19.288 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 1.268 ms
Loss rate: 0.02%
```

Run 4: Report of PCC-Expr — Data Link

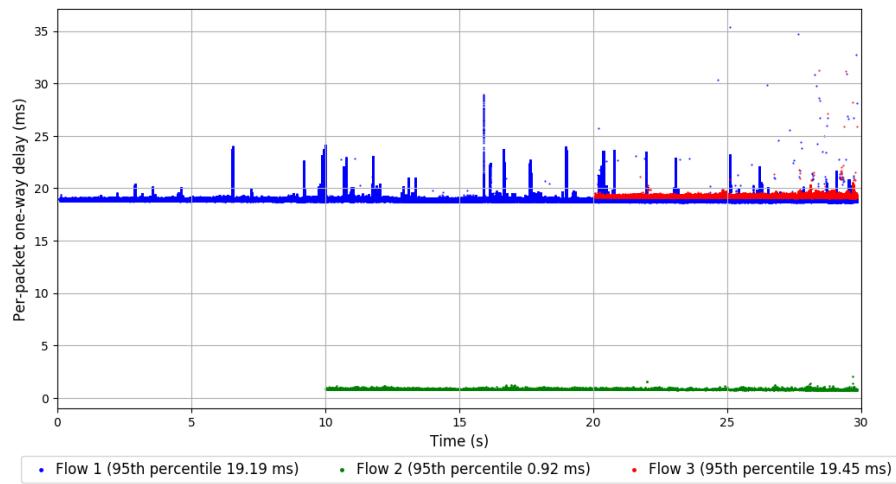
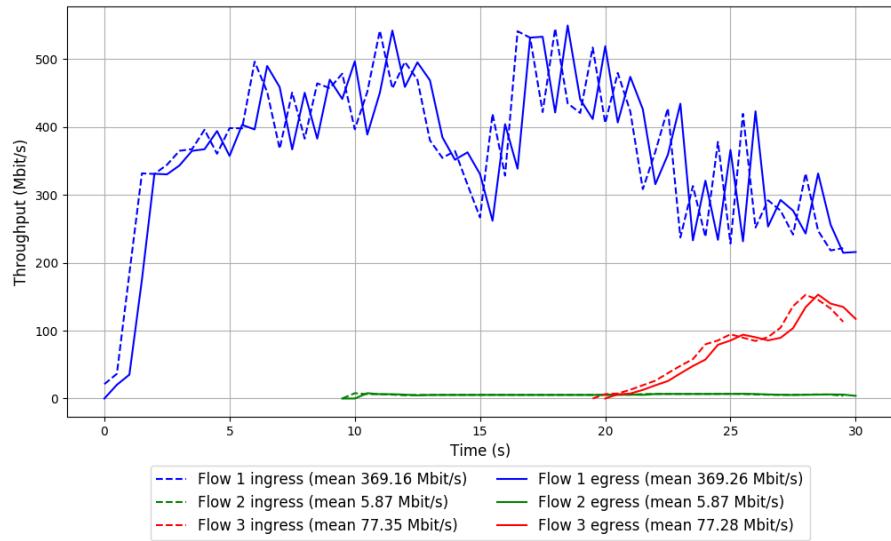


Run 5: Statistics of PCC-Expr

```
Start at: 2019-12-11 17:42:11
End at: 2019-12-11 17:42:41
Local clock offset: 3.686 ms
Remote clock offset: 1.578 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.61 Mbit/s
95th percentile per-packet one-way delay: 19.302 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 369.26 Mbit/s
95th percentile per-packet one-way delay: 19.193 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 5.87 Mbit/s
95th percentile per-packet one-way delay: 0.922 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 77.28 Mbit/s
95th percentile per-packet one-way delay: 19.448 ms
Loss rate: 0.29%
```

Run 5: Report of PCC-Expr — Data Link

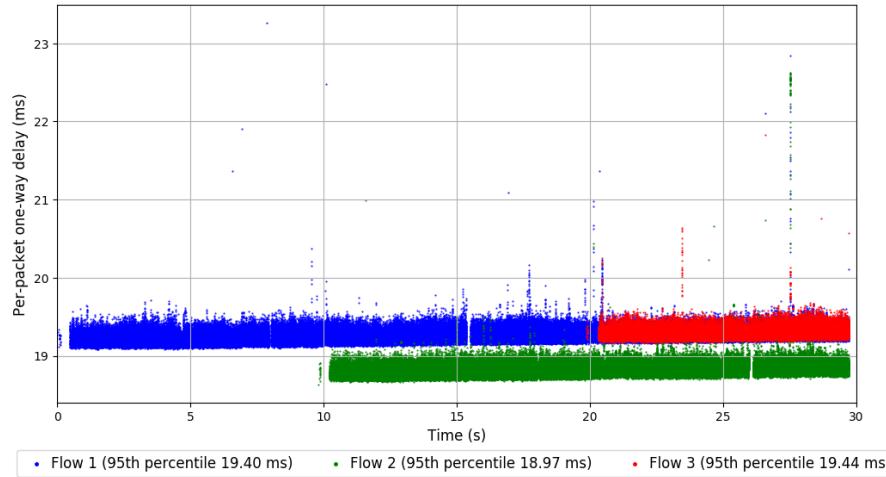
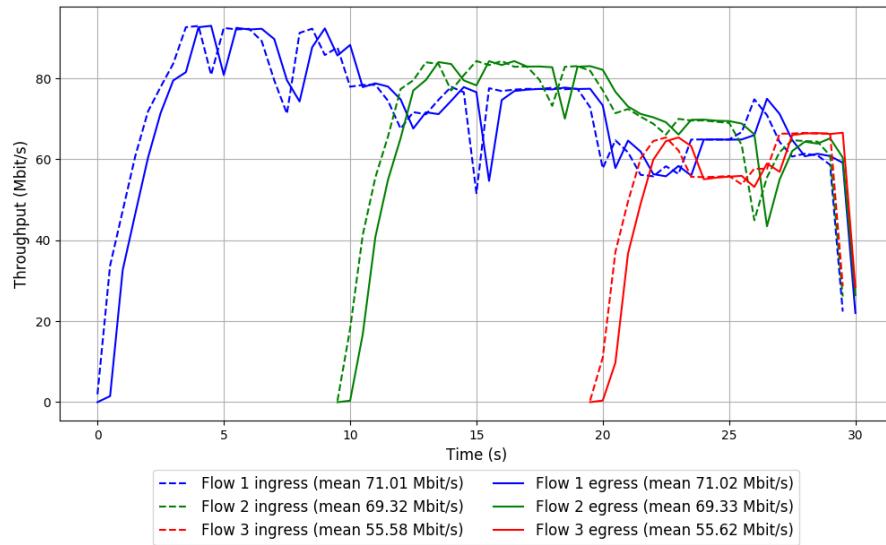


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-12-11 15:00:49
End at: 2019-12-11 15:01:19
Local clock offset: 3.123 ms
Remote clock offset: 4.371 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 135.99 Mbit/s
95th percentile per-packet one-way delay: 19.391 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 71.02 Mbit/s
95th percentile per-packet one-way delay: 19.403 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 69.33 Mbit/s
95th percentile per-packet one-way delay: 18.970 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 55.62 Mbit/s
95th percentile per-packet one-way delay: 19.438 ms
Loss rate: 0.26%
```

Run 1: Report of QUIC Cubic — Data Link

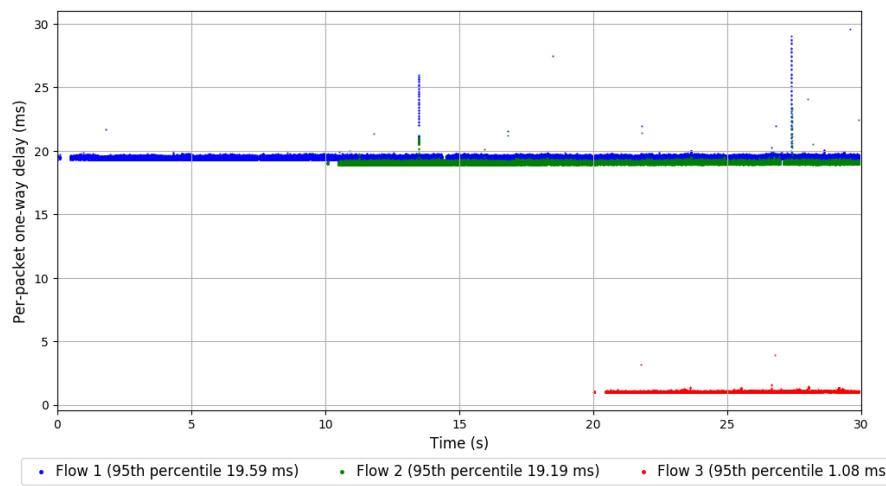
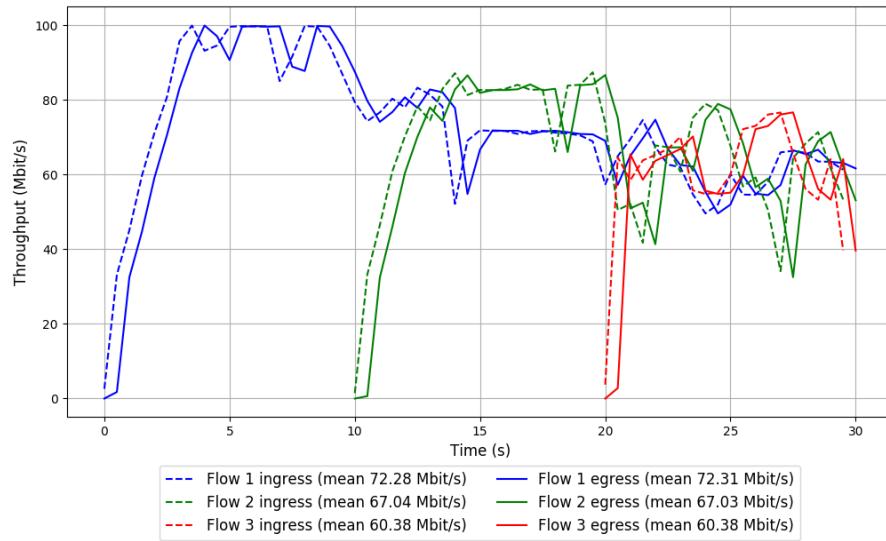


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-12-11 15:35:46
End at: 2019-12-11 15:36:16
Local clock offset: 3.395 ms
Remote clock offset: 9.194 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 136.89 Mbit/s
95th percentile per-packet one-way delay: 19.562 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 72.31 Mbit/s
95th percentile per-packet one-way delay: 19.595 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 67.03 Mbit/s
95th percentile per-packet one-way delay: 19.188 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 60.38 Mbit/s
95th percentile per-packet one-way delay: 1.076 ms
Loss rate: 0.02%
```

Run 2: Report of QUIC Cubic — Data Link

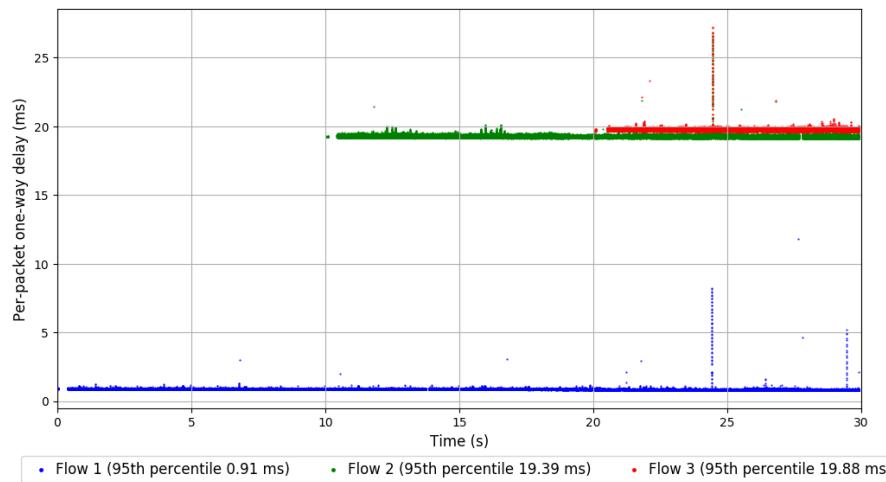
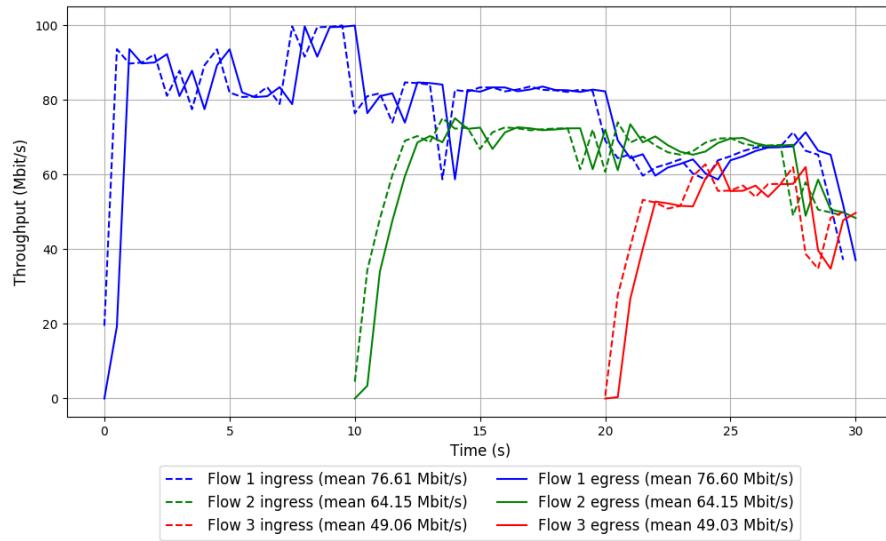


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-12-11 16:10:27
End at: 2019-12-11 16:10:57
Local clock offset: 3.141 ms
Remote clock offset: -0.463 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 135.45 Mbit/s
95th percentile per-packet one-way delay: 19.763 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 76.60 Mbit/s
95th percentile per-packet one-way delay: 0.913 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.15 Mbit/s
95th percentile per-packet one-way delay: 19.386 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 49.03 Mbit/s
95th percentile per-packet one-way delay: 19.879 ms
Loss rate: 0.23%
```

Run 3: Report of QUIC Cubic — Data Link

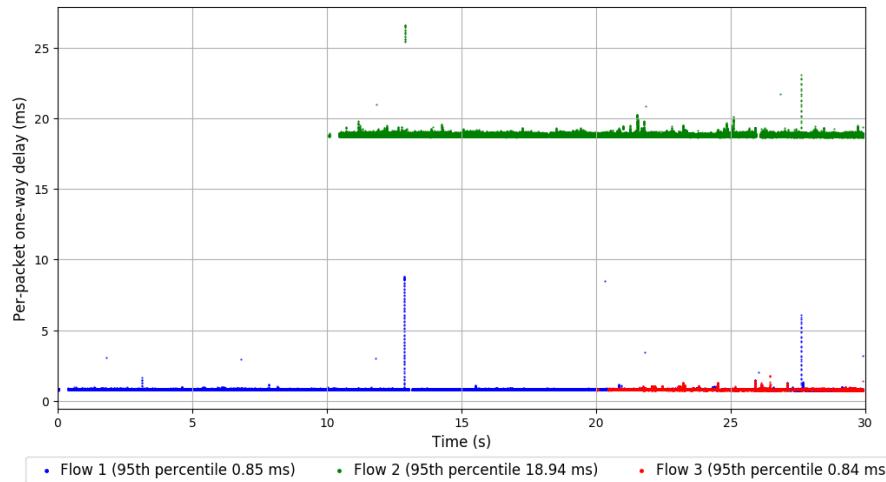
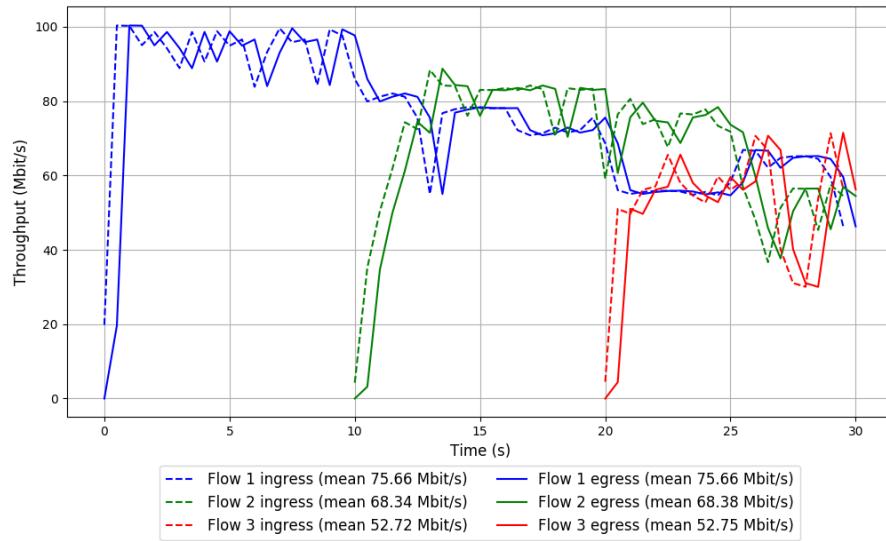


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-12-11 16:45:29
End at: 2019-12-11 16:45:59
Local clock offset: 2.861 ms
Remote clock offset: -4.408 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 138.55 Mbit/s
95th percentile per-packet one-way delay: 18.880 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 75.66 Mbit/s
95th percentile per-packet one-way delay: 0.849 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.38 Mbit/s
95th percentile per-packet one-way delay: 18.941 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 52.75 Mbit/s
95th percentile per-packet one-way delay: 0.839 ms
Loss rate: 0.02%
```

Run 4: Report of QUIC Cubic — Data Link

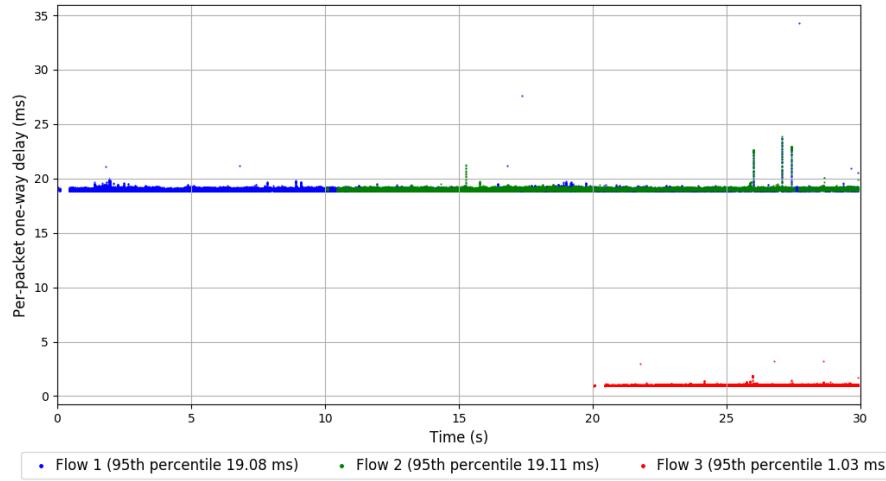
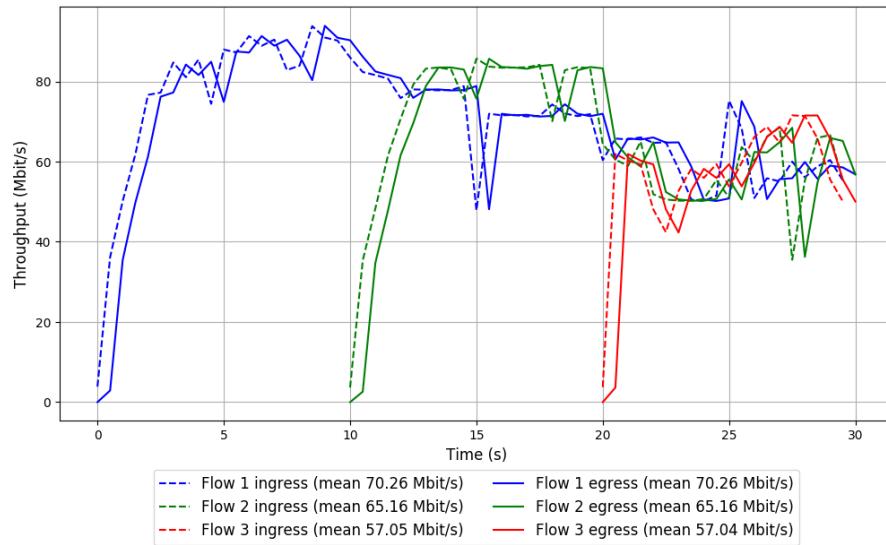


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-12-11 17:20:33
End at: 2019-12-11 17:21:03
Local clock offset: 3.389 ms
Remote clock offset: 3.036 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 132.47 Mbit/s
95th percentile per-packet one-way delay: 19.087 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 70.26 Mbit/s
95th percentile per-packet one-way delay: 19.084 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 65.16 Mbit/s
95th percentile per-packet one-way delay: 19.106 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 57.04 Mbit/s
95th percentile per-packet one-way delay: 1.034 ms
Loss rate: 0.02%
```

Run 5: Report of QUIC Cubic — Data Link

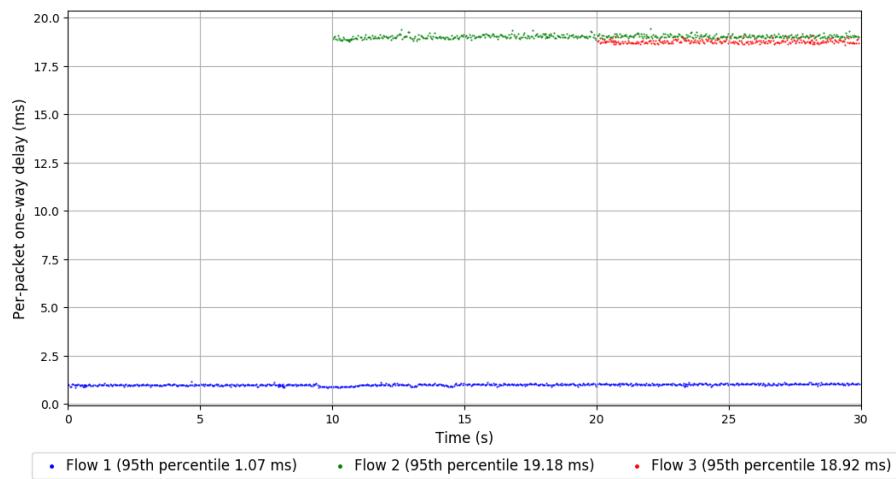
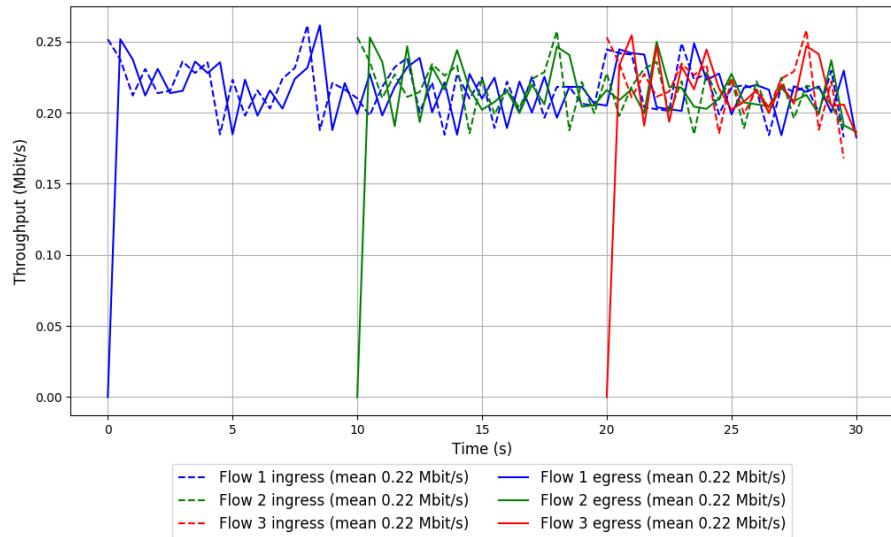


```
Run 1: Statistics of SCReAM

Start at: 2019-12-11 15:07:46
End at: 2019-12-11 15:08:16
Local clock offset: 3.144 ms
Remote clock offset: 5.734 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.119 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.075 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.177 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.918 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

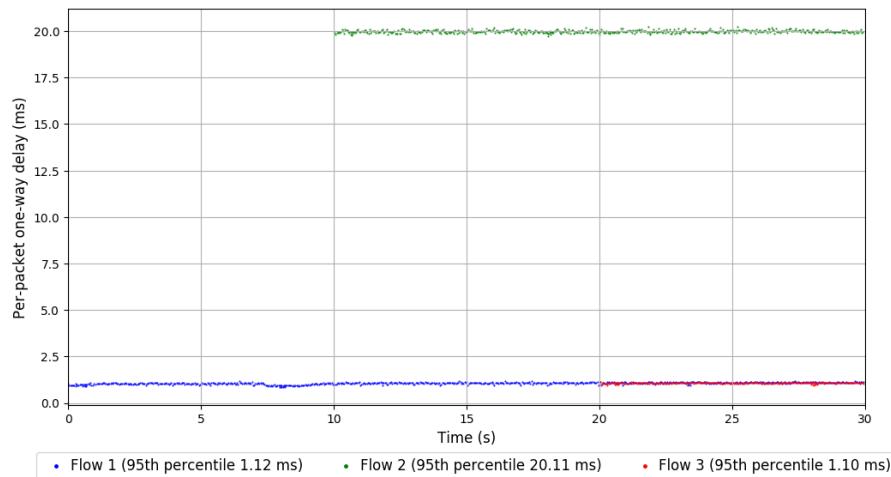
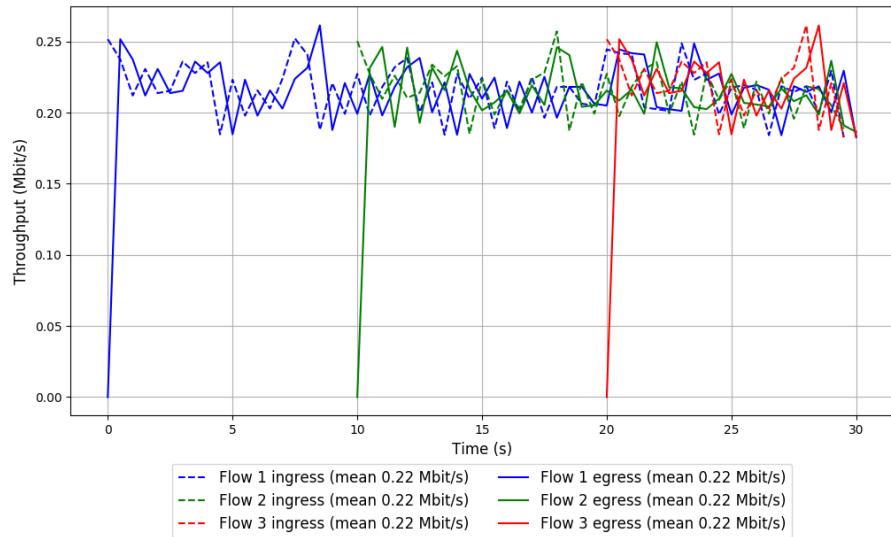


Run 2: Statistics of SCReAM

```
Start at: 2019-12-11 15:42:48
End at: 2019-12-11 15:43:18
Local clock offset: 3.326 ms
Remote clock offset: 10.136 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.069 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.113 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

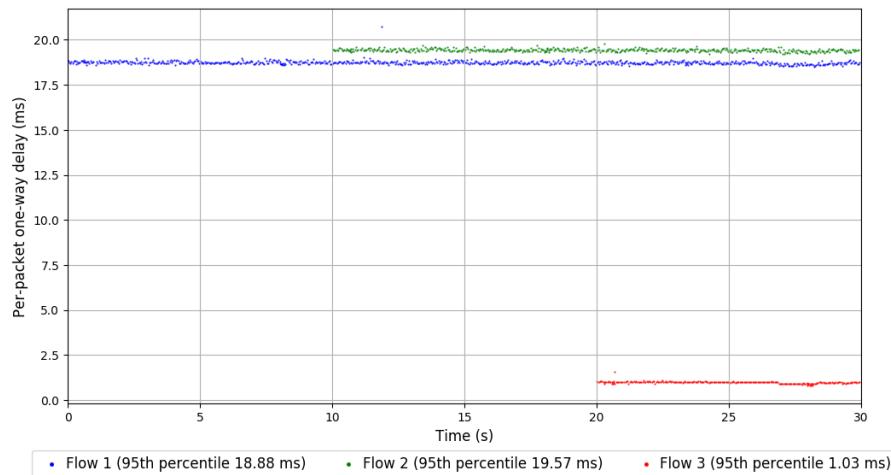
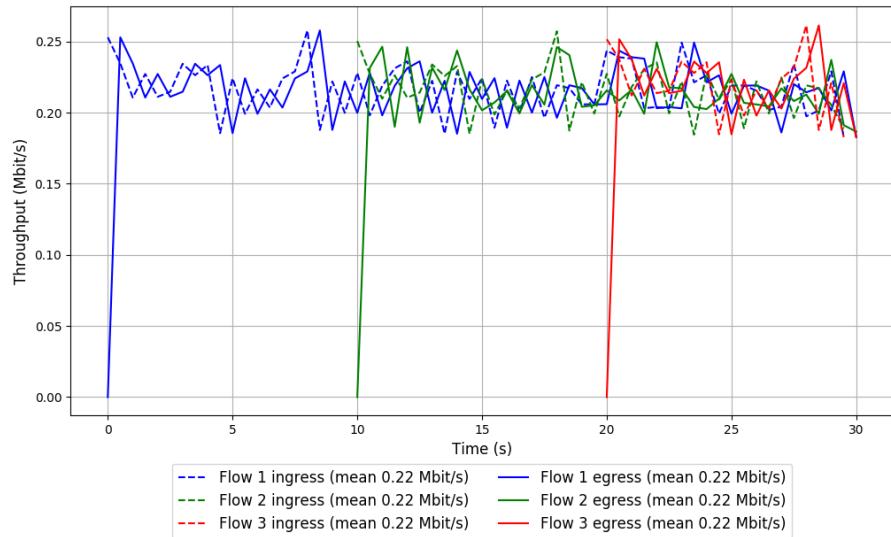


Run 3: Statistics of SCReAM

```
Start at: 2019-12-11 16:17:29
End at: 2019-12-11 16:17:59
Local clock offset: 3.018 ms
Remote clock offset: -1.734 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.507 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.879 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.574 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

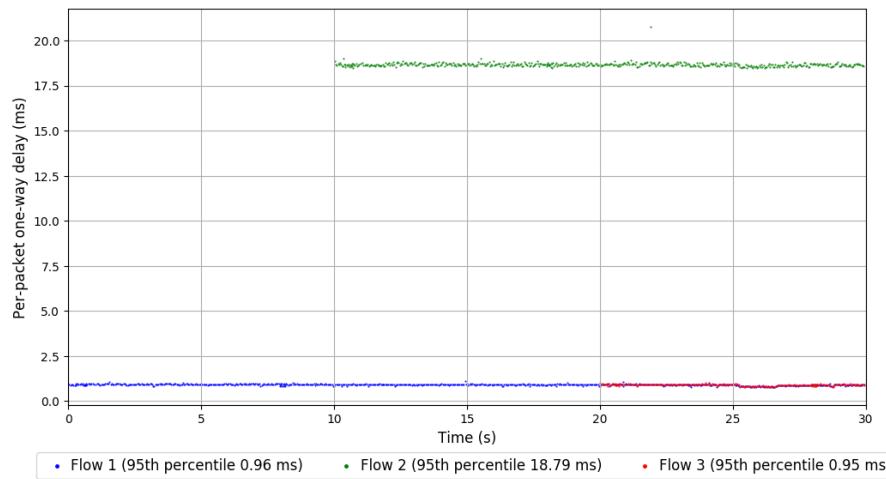
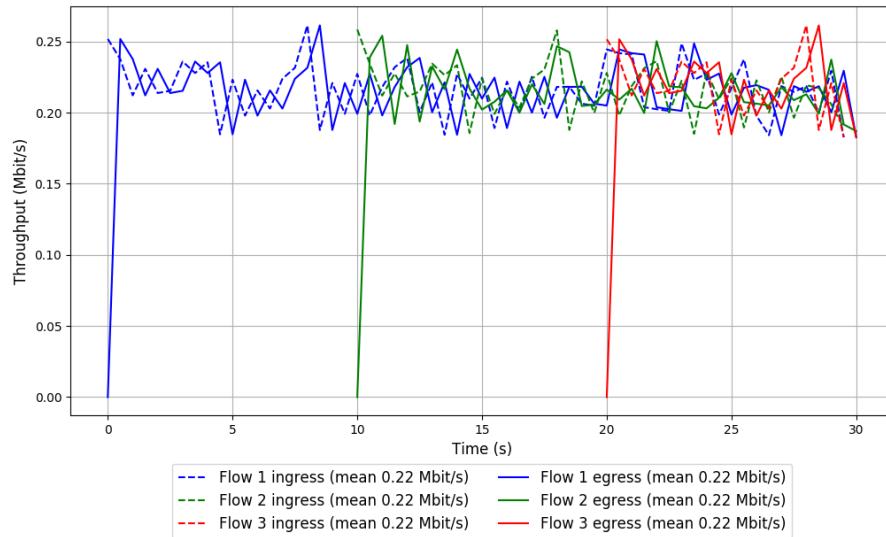


Run 4: Statistics of SCReAM

```
Start at: 2019-12-11 16:52:30
End at: 2019-12-11 16:53:00
Local clock offset: 2.859 ms
Remote clock offset: -5.033 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.741 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.965 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.794 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.953 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

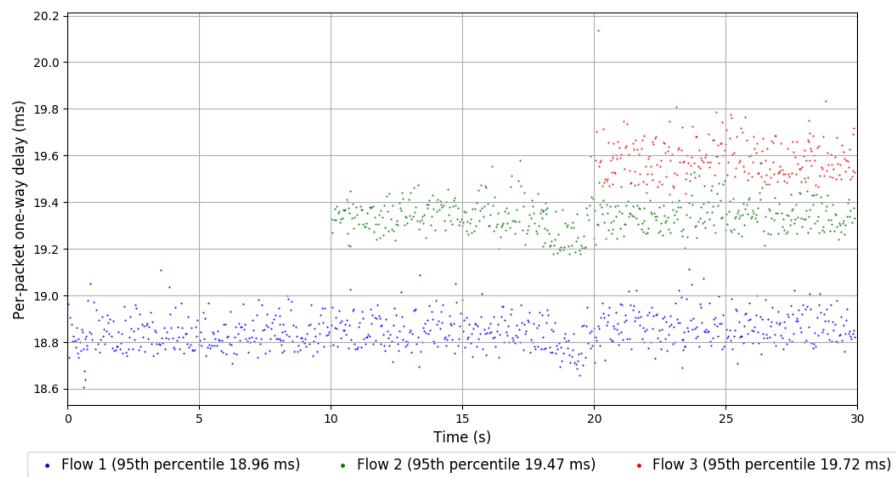
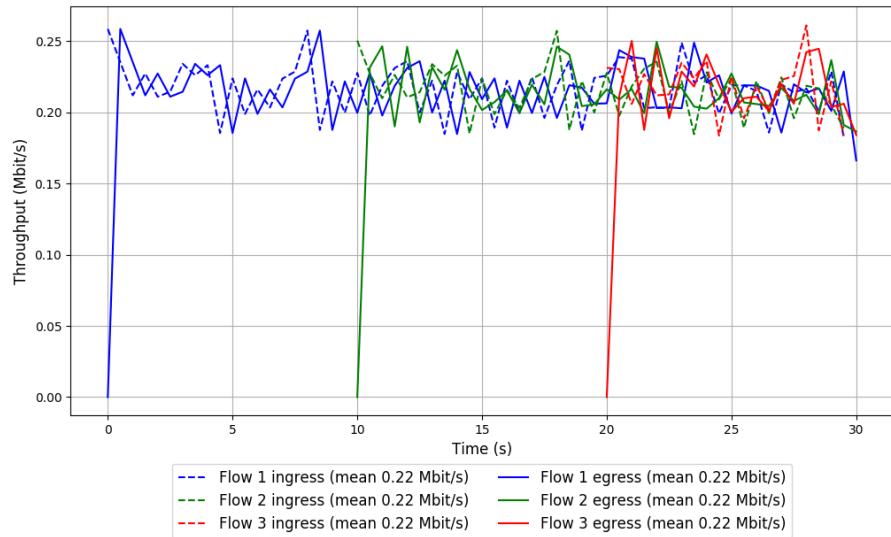


Run 5: Statistics of SCReAM

```
Start at: 2019-12-11 17:27:37
End at: 2019-12-11 17:28:07
Local clock offset: 3.539 ms
Remote clock offset: 3.675 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.627 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.965 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.469 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.722 ms
Loss rate: 0.35%
```

Run 5: Report of SCReAM — Data Link

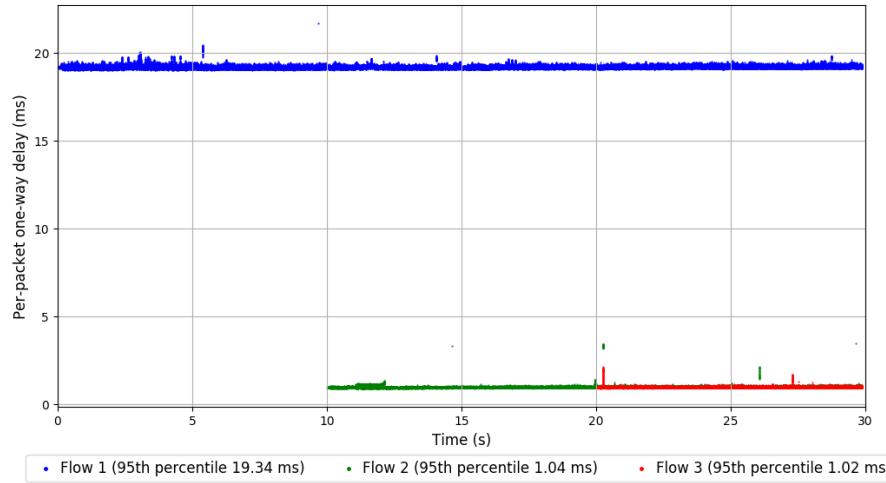
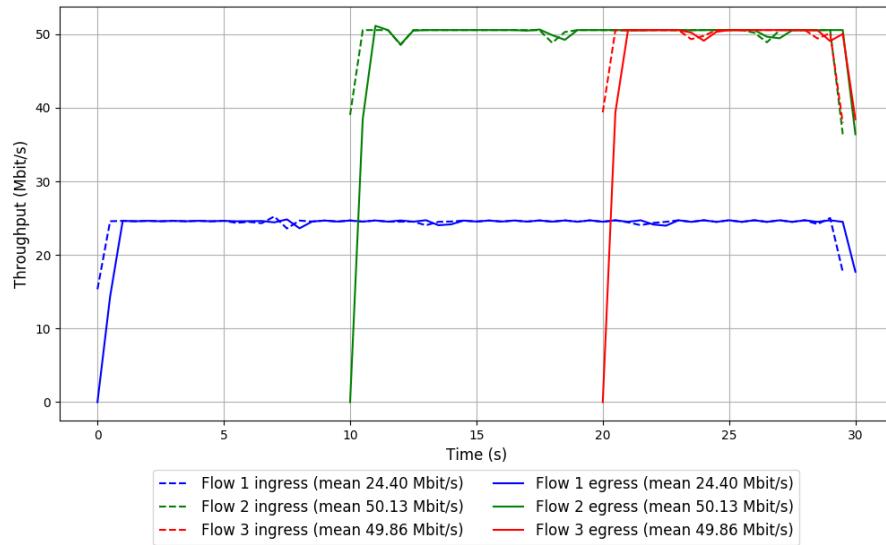


Run 1: Statistics of Sprout

```
Start at: 2019-12-11 15:04:45
End at: 2019-12-11 15:05:15
Local clock offset: 3.14 ms
Remote clock offset: 5.223 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.21 Mbit/s
95th percentile per-packet one-way delay: 19.283 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 19.345 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 50.13 Mbit/s
95th percentile per-packet one-way delay: 1.036 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 1.017 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

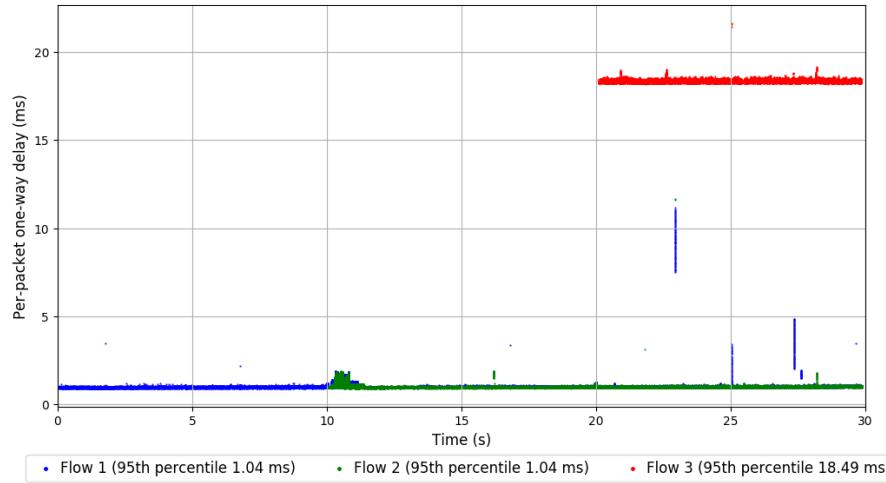
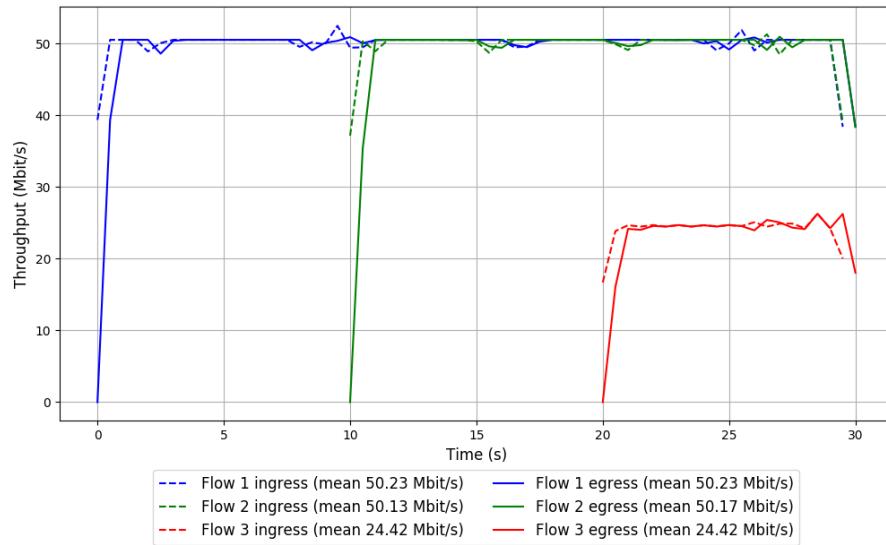


Run 2: Statistics of Sprout

```
Start at: 2019-12-11 15:39:46
End at: 2019-12-11 15:40:16
Local clock offset: 3.381 ms
Remote clock offset: 9.763 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.52 Mbit/s
95th percentile per-packet one-way delay: 18.327 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 1.036 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 18.487 ms
Loss rate: 0.42%
```

Run 2: Report of Sprout — Data Link

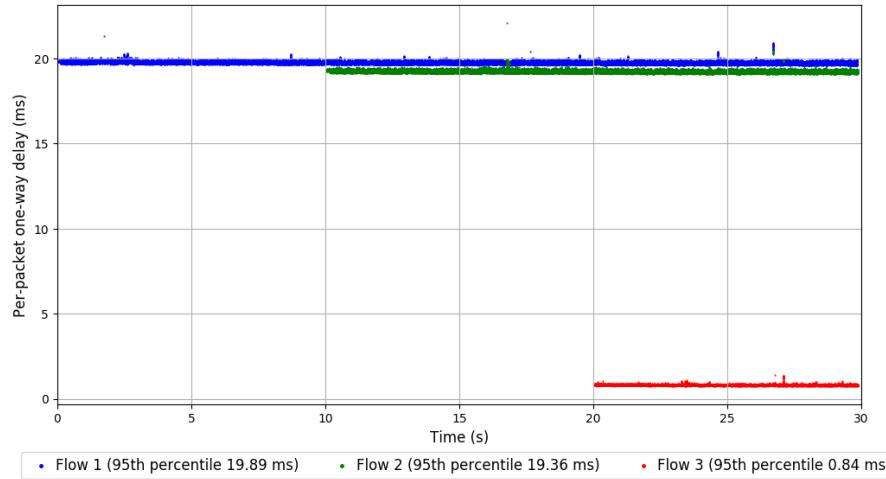
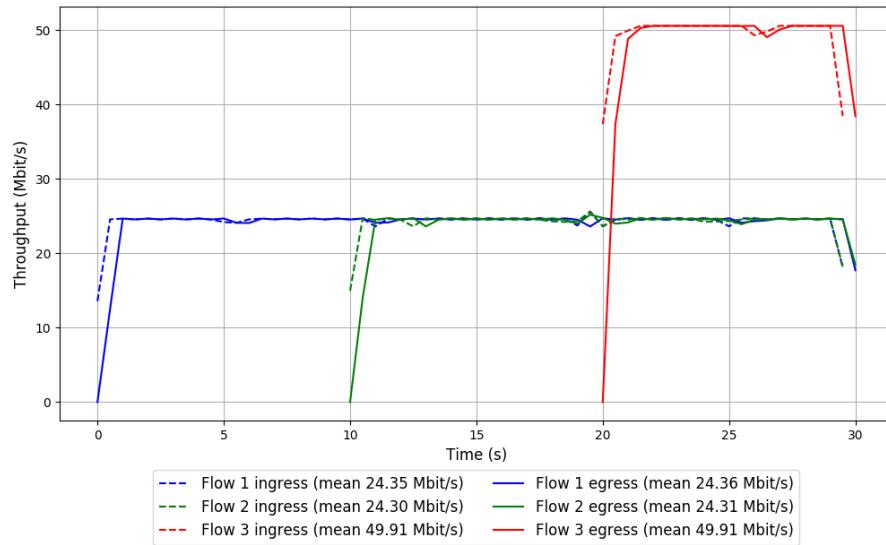


Run 3: Statistics of Sprout

```
Start at: 2019-12-11 16:14:24
End at: 2019-12-11 16:14:54
Local clock offset: 3.049 ms
Remote clock offset: -1.17 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.95 Mbit/s
95th percentile per-packet one-way delay: 19.843 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 19.887 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 19.357 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 49.91 Mbit/s
95th percentile per-packet one-way delay: 0.842 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

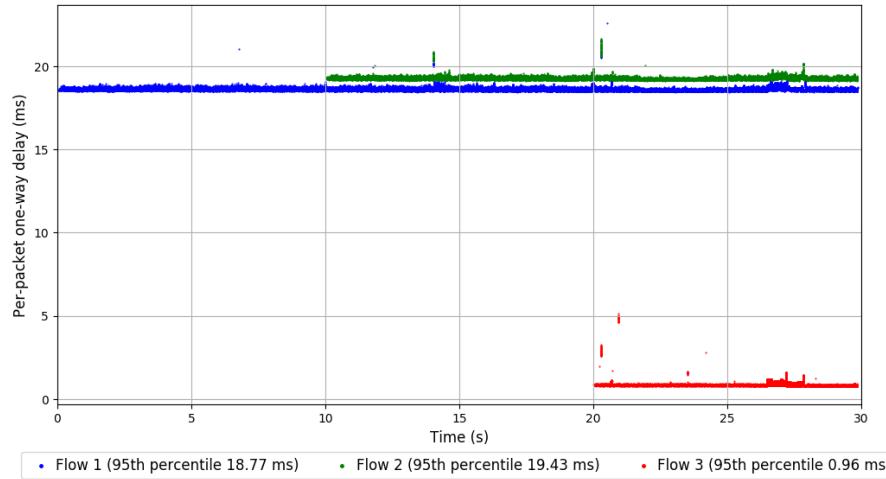
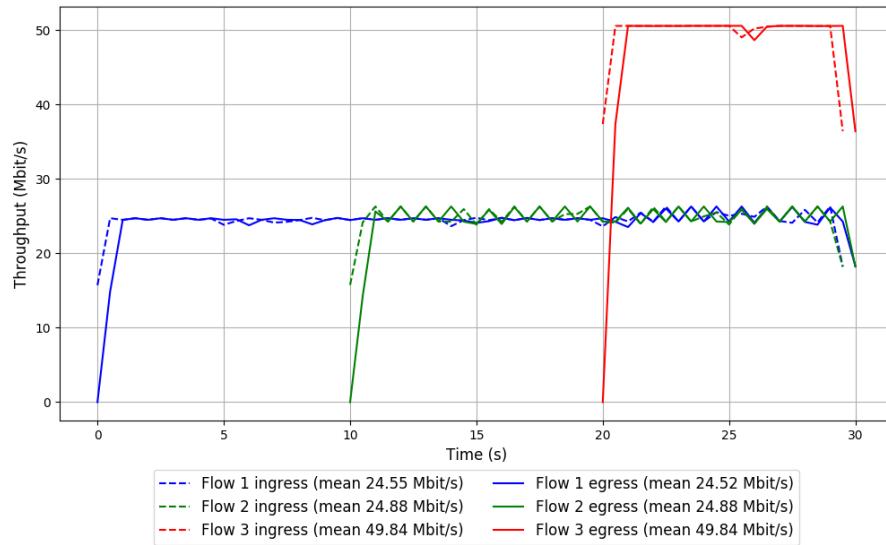


Run 4: Statistics of Sprout

```
Start at: 2019-12-11 16:49:29
End at: 2019-12-11 16:49:59
Local clock offset: 2.893 ms
Remote clock offset: -4.741 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.49 Mbit/s
95th percentile per-packet one-way delay: 19.345 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 18.772 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 19.430 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.84 Mbit/s
95th percentile per-packet one-way delay: 0.962 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

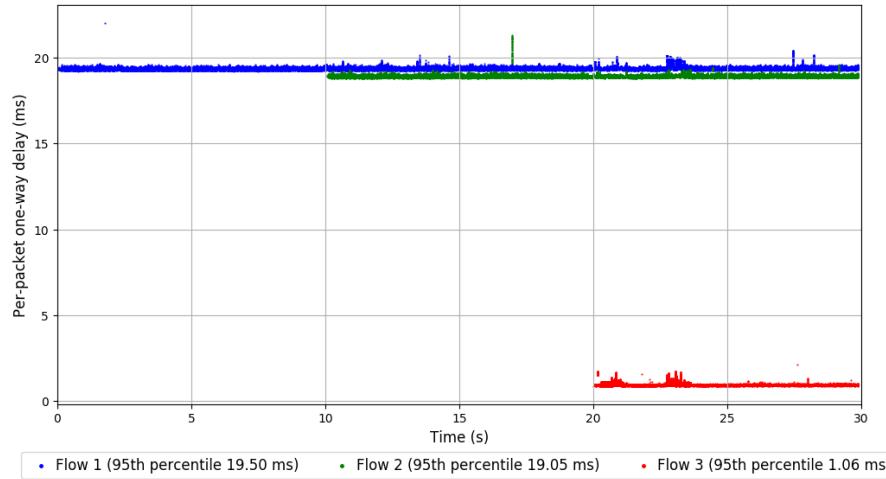
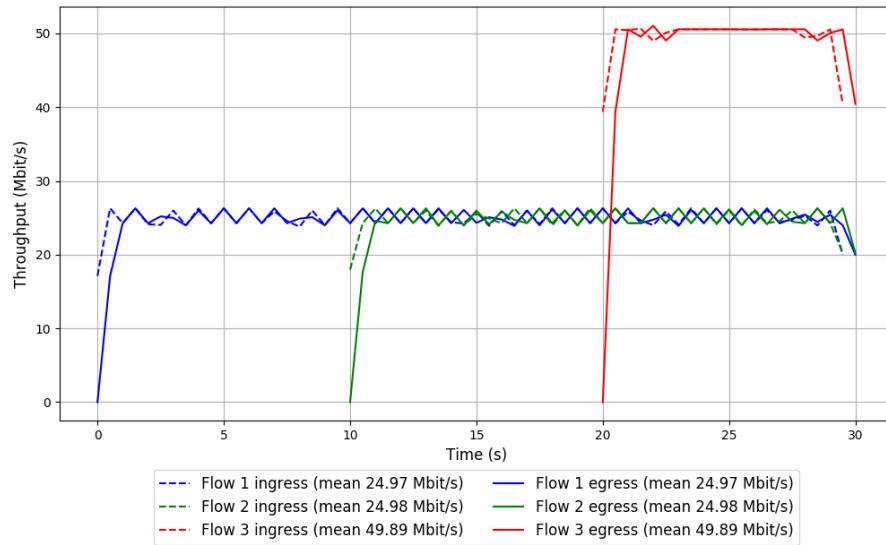


Run 5: Statistics of Sprout

```
Start at: 2019-12-11 17:24:36
End at: 2019-12-11 17:25:06
Local clock offset: 3.474 ms
Remote clock offset: 3.535 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.04 Mbit/s
95th percentile per-packet one-way delay: 19.450 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 19.499 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.98 Mbit/s
95th percentile per-packet one-way delay: 19.047 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 1.062 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

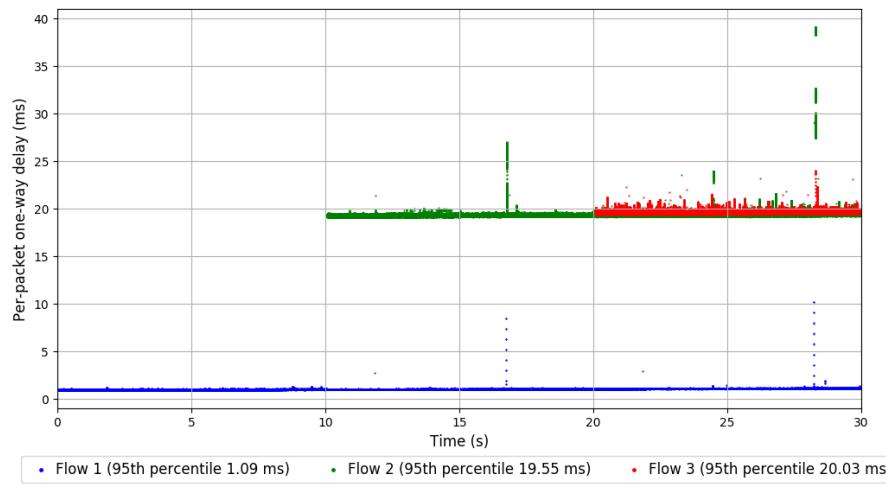
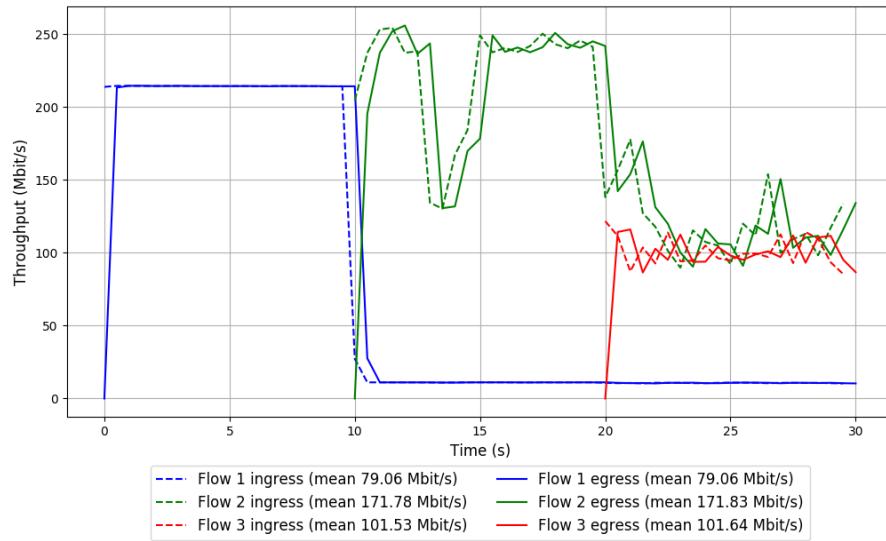


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-12-11 14:51:43
End at: 2019-12-11 14:52:13
Local clock offset: 3.115 ms
Remote clock offset: 1.921 ms

# Below is generated by plot.py at 2019-12-11 18:52:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 227.02 Mbit/s
95th percentile per-packet one-way delay: 19.713 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 79.06 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 171.83 Mbit/s
95th percentile per-packet one-way delay: 19.555 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 101.64 Mbit/s
95th percentile per-packet one-way delay: 20.032 ms
Loss rate: 0.10%
```

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

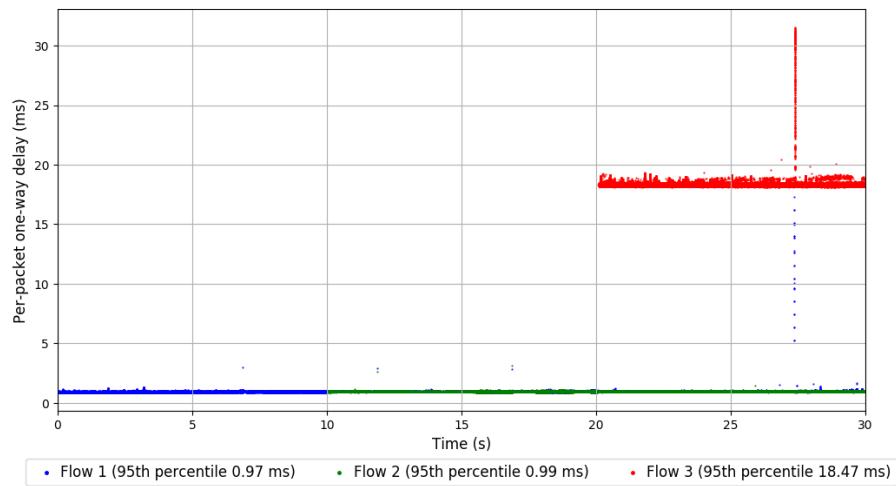
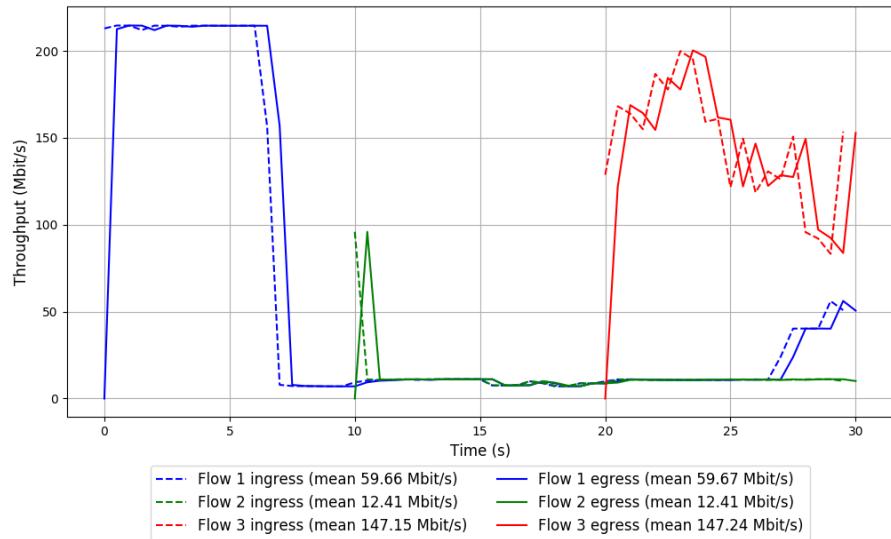


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-12-11 15:26:42
End at: 2019-12-11 15:27:12
Local clock offset: 3.319 ms
Remote clock offset: 8.192 ms

# Below is generated by plot.py at 2019-12-11 18:52:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 116.53 Mbit/s
95th percentile per-packet one-way delay: 18.402 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 59.67 Mbit/s
95th percentile per-packet one-way delay: 0.975 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.41 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 147.24 Mbit/s
95th percentile per-packet one-way delay: 18.468 ms
Loss rate: 0.14%
```

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

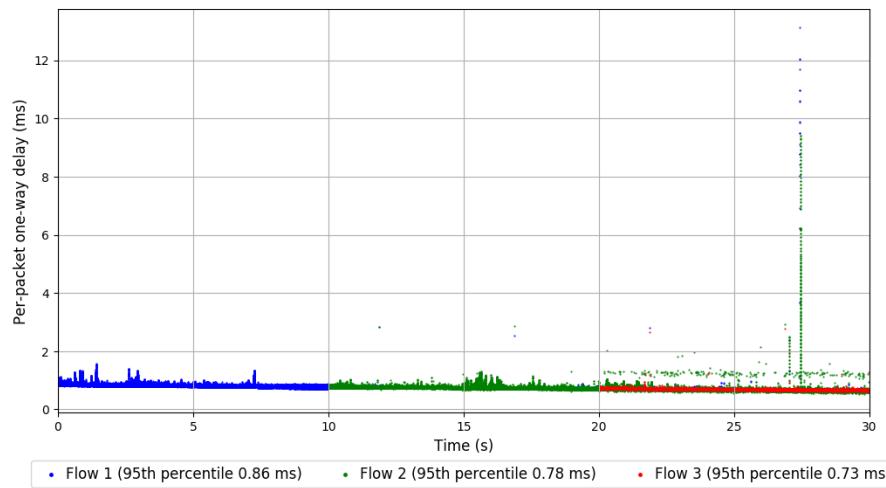
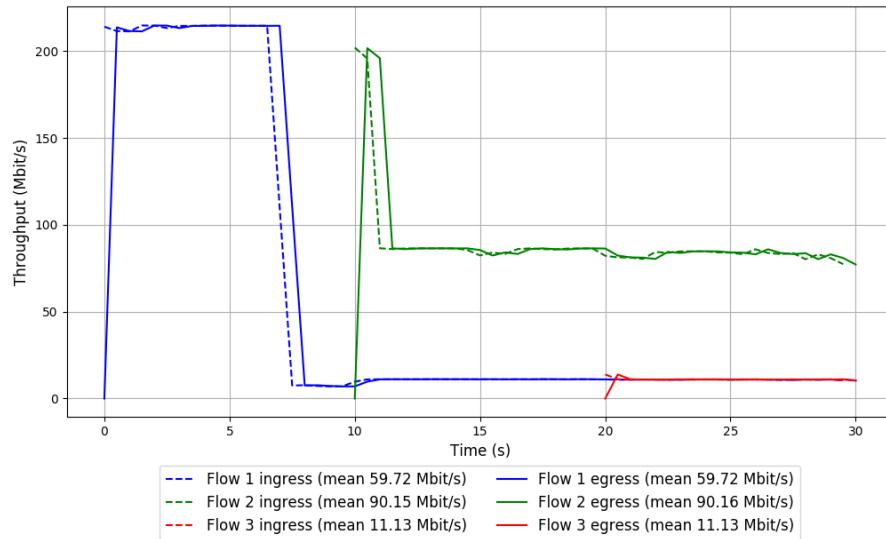


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-12-11 16:01:41
End at: 2019-12-11 16:02:11
Local clock offset: 3.198 ms
Remote clock offset: 2.31 ms

# Below is generated by plot.py at 2019-12-11 18:52:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.41 Mbit/s
95th percentile per-packet one-way delay: 0.846 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.72 Mbit/s
95th percentile per-packet one-way delay: 0.856 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 90.16 Mbit/s
95th percentile per-packet one-way delay: 0.783 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.13 Mbit/s
95th percentile per-packet one-way delay: 0.729 ms
Loss rate: 0.01%
```

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

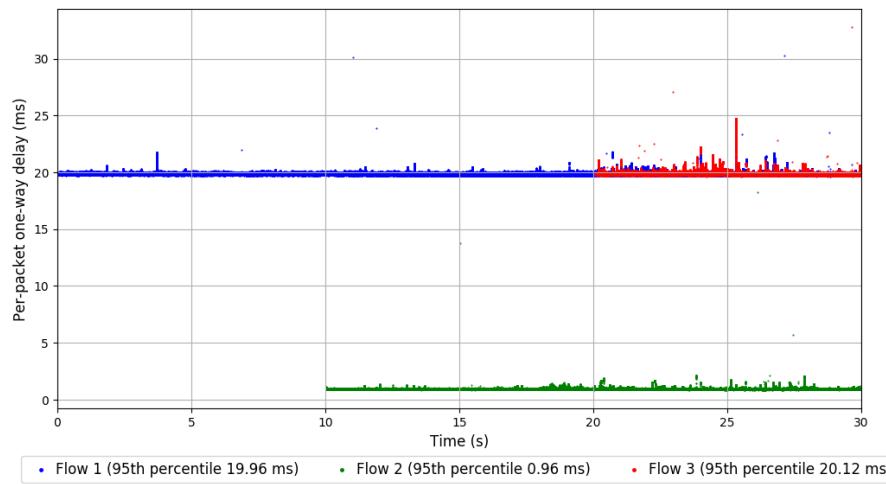
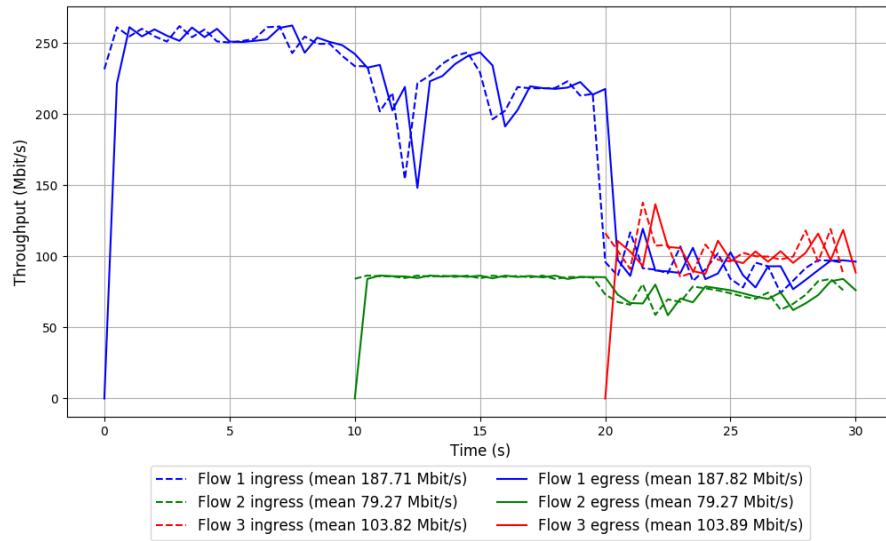


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-12-11 16:36:21
End at: 2019-12-11 16:36:51
Local clock offset: 2.899 ms
Remote clock offset: -3.7 ms

# Below is generated by plot.py at 2019-12-11 18:53:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 274.99 Mbit/s
95th percentile per-packet one-way delay: 19.963 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 187.82 Mbit/s
95th percentile per-packet one-way delay: 19.964 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 79.27 Mbit/s
95th percentile per-packet one-way delay: 0.962 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 103.89 Mbit/s
95th percentile per-packet one-way delay: 20.116 ms
Loss rate: 0.16%
```

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

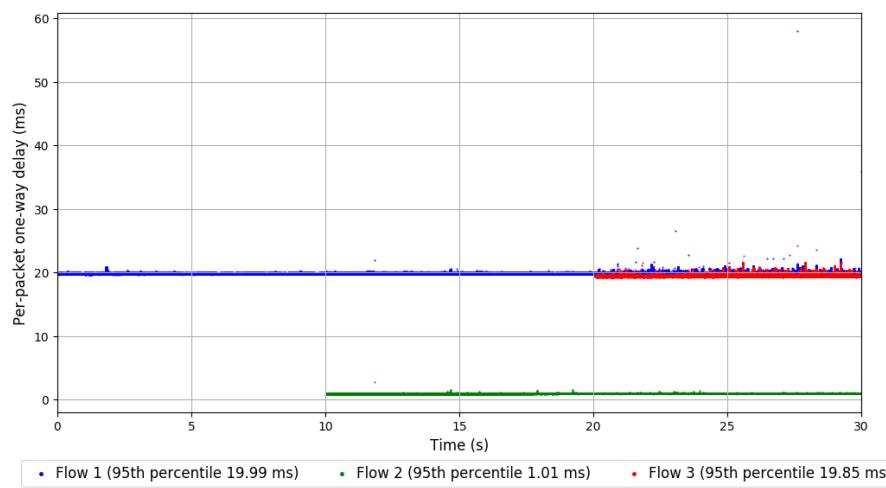
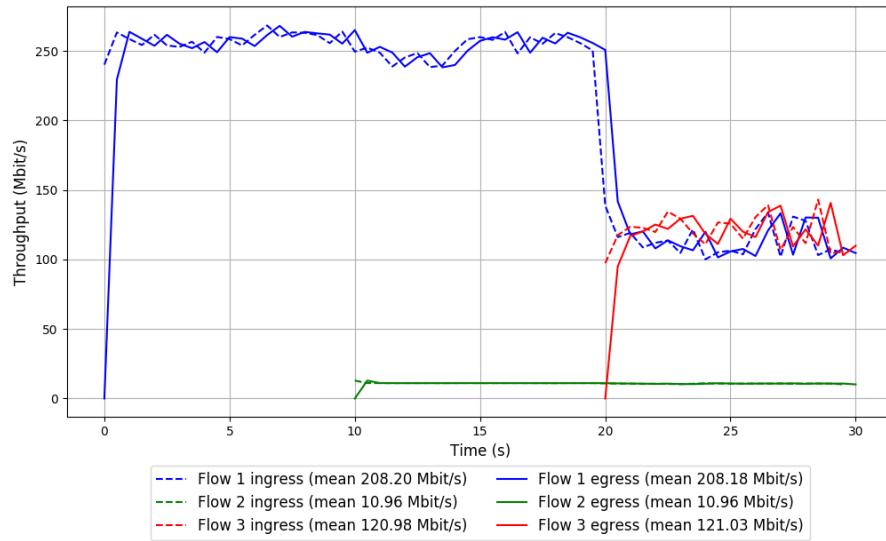


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-12-11 17:11:21
End at: 2019-12-11 17:11:51
Local clock offset: 3.027 ms
Remote clock offset: 1.387 ms

# Below is generated by plot.py at 2019-12-11 18:53:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 255.56 Mbit/s
95th percentile per-packet one-way delay: 19.985 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 208.18 Mbit/s
95th percentile per-packet one-way delay: 19.990 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 1.013 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 121.03 Mbit/s
95th percentile per-packet one-way delay: 19.847 ms
Loss rate: 0.17%
```

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

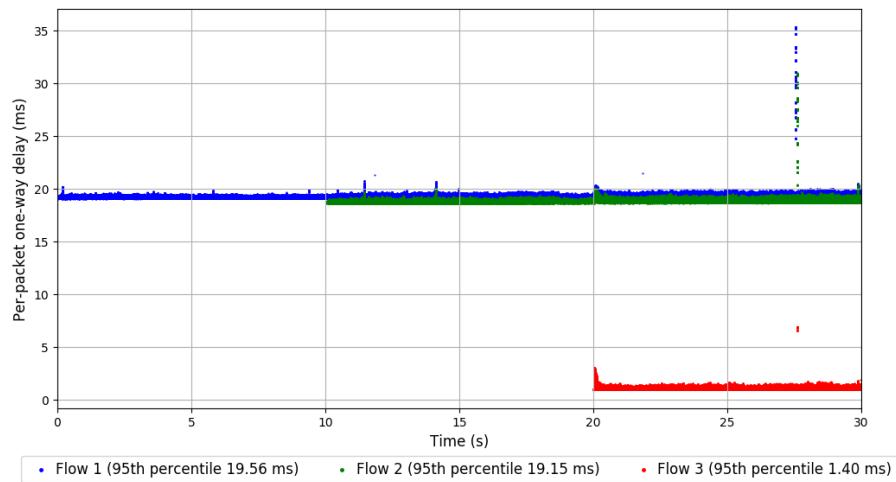
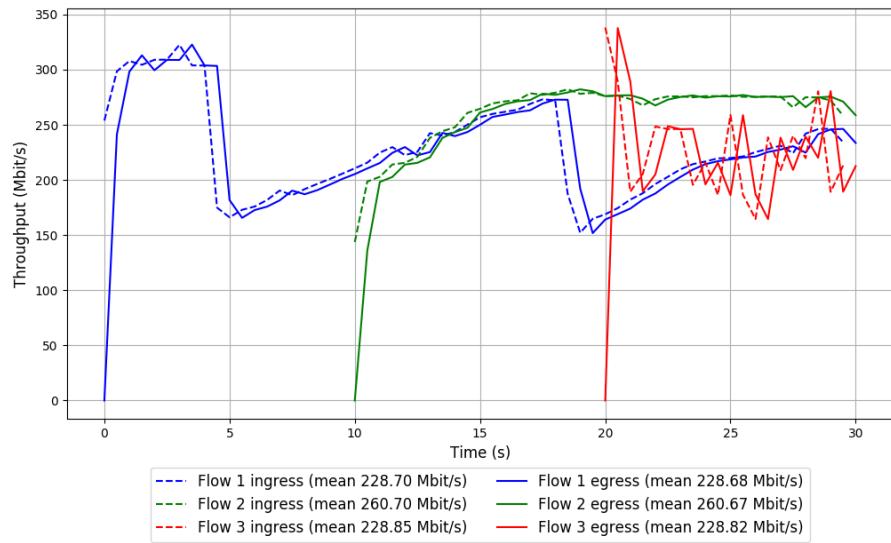


Run 1: Statistics of TCP Vegas

```
Start at: 2019-12-11 14:57:41
End at: 2019-12-11 14:58:11
Local clock offset: 3.114 ms
Remote clock offset: 3.746 ms

# Below is generated by plot.py at 2019-12-11 18:53:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 478.28 Mbit/s
95th percentile per-packet one-way delay: 19.494 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 228.68 Mbit/s
95th percentile per-packet one-way delay: 19.564 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 260.67 Mbit/s
95th percentile per-packet one-way delay: 19.151 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 228.82 Mbit/s
95th percentile per-packet one-way delay: 1.399 ms
Loss rate: 0.02%
```

Run 1: Report of TCP Vegas — Data Link

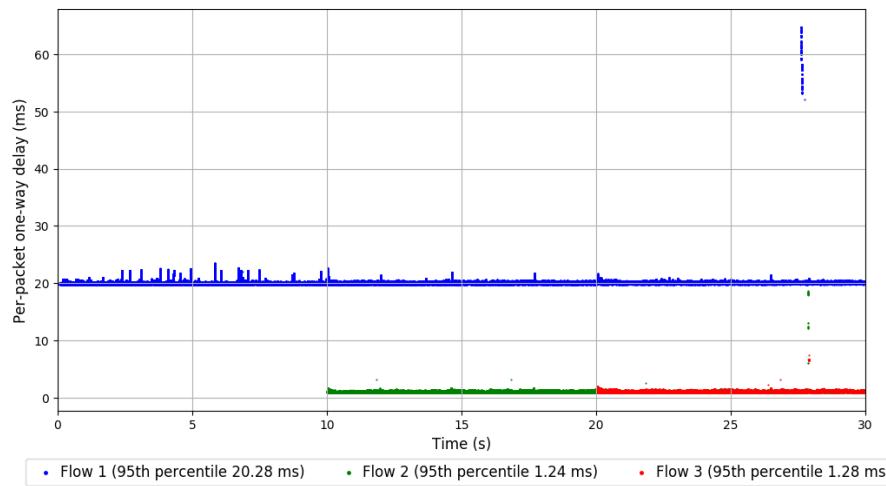
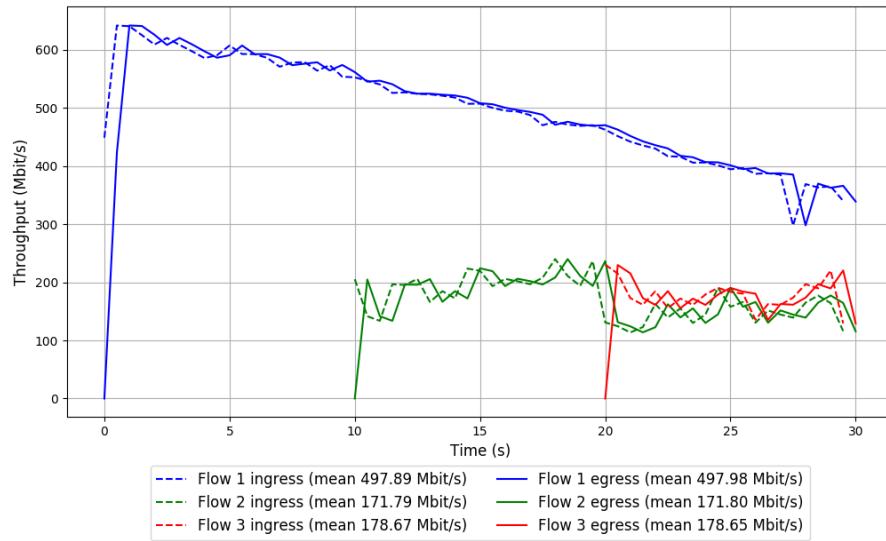


Run 2: Statistics of TCP Vegas

```
Start at: 2019-12-11 15:32:33
End at: 2019-12-11 15:33:03
Local clock offset: 3.376 ms
Remote clock offset: 8.874 ms

# Below is generated by plot.py at 2019-12-11 18:56:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 671.76 Mbit/s
95th percentile per-packet one-way delay: 20.248 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 497.98 Mbit/s
95th percentile per-packet one-way delay: 20.277 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 171.80 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 178.65 Mbit/s
95th percentile per-packet one-way delay: 1.278 ms
Loss rate: 0.01%
```

Run 2: Report of TCP Vegas — Data Link

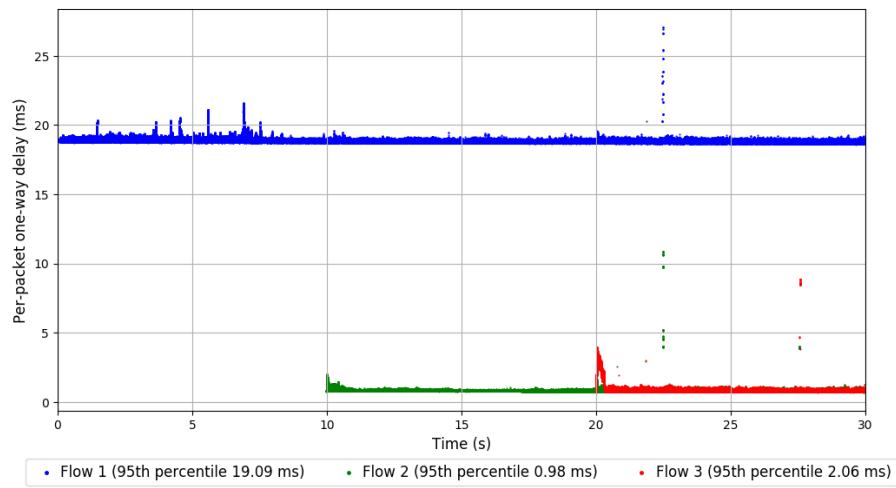
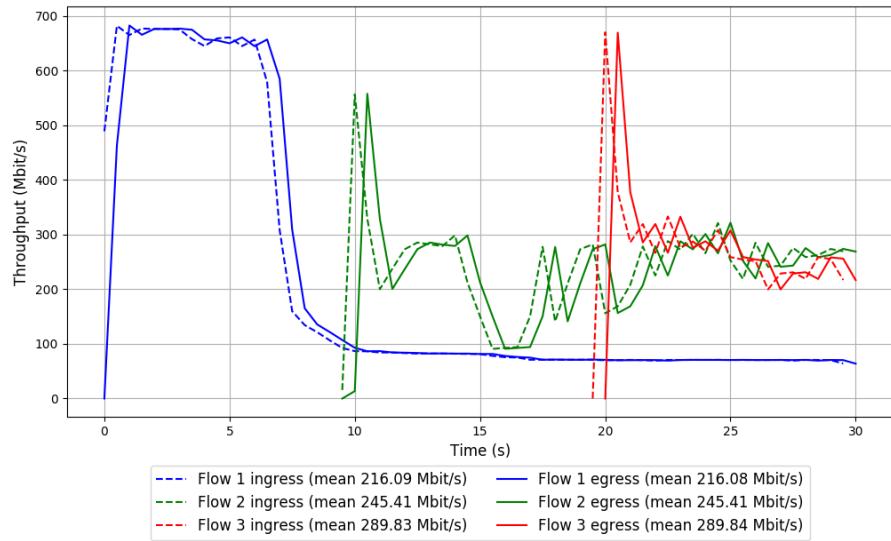


Run 3: Statistics of TCP Vegas

```
Start at: 2019-12-11 16:07:29
End at: 2019-12-11 16:07:59
Local clock offset: 3.211 ms
Remote clock offset: 0.298 ms

# Below is generated by plot.py at 2019-12-11 18:56:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 476.16 Mbit/s
95th percentile per-packet one-way delay: 19.030 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 216.08 Mbit/s
95th percentile per-packet one-way delay: 19.087 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 245.41 Mbit/s
95th percentile per-packet one-way delay: 0.978 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 289.84 Mbit/s
95th percentile per-packet one-way delay: 2.065 ms
Loss rate: 0.01%
```

Run 3: Report of TCP Vegas — Data Link

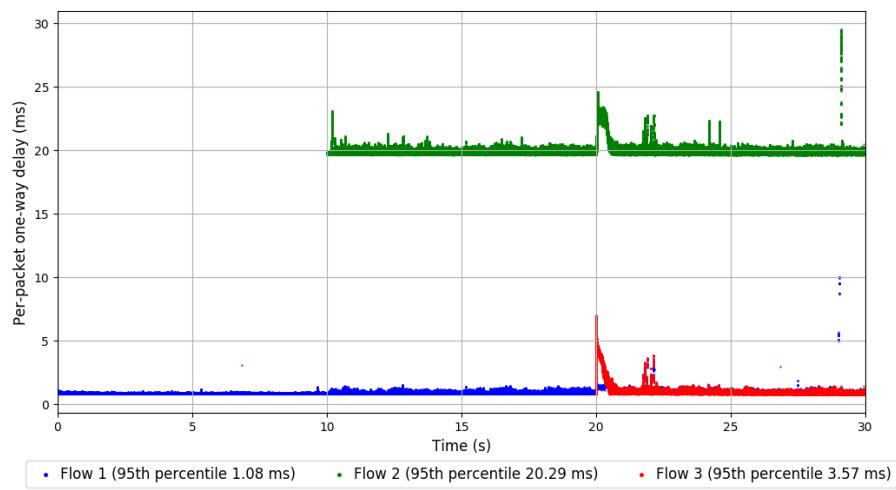
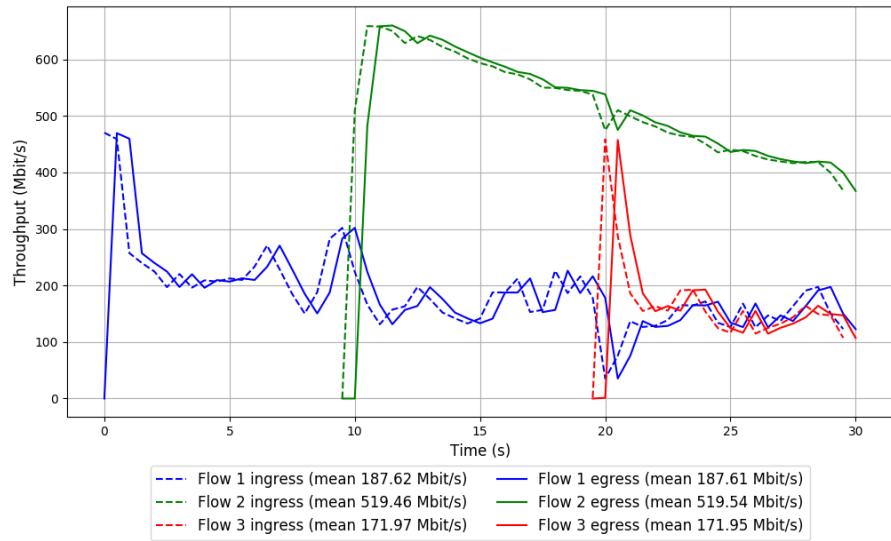


Run 4: Statistics of TCP Vegas

```
Start at: 2019-12-11 16:42:16
End at: 2019-12-11 16:42:46
Local clock offset: 2.875 ms
Remote clock offset: -4.137 ms

# Below is generated by plot.py at 2019-12-11 18:57:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 590.90 Mbit/s
95th percentile per-packet one-way delay: 20.190 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 187.61 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 519.54 Mbit/s
95th percentile per-packet one-way delay: 20.291 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 171.95 Mbit/s
95th percentile per-packet one-way delay: 3.570 ms
Loss rate: 0.02%
```

Run 4: Report of TCP Vegas — Data Link

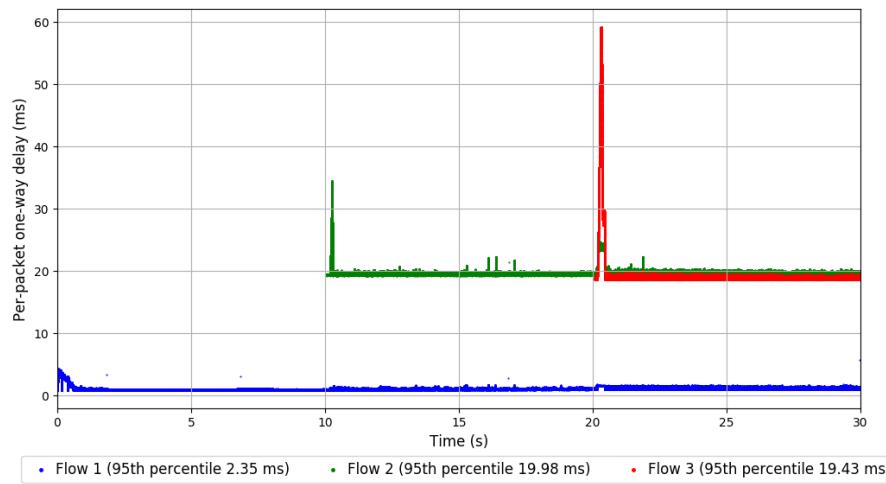
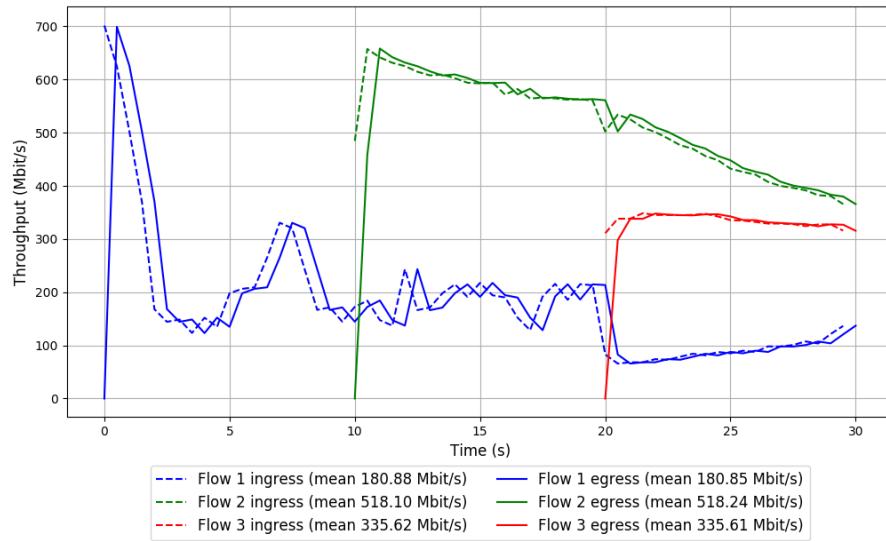


Run 5: Statistics of TCP Vegas

```
Start at: 2019-12-11 17:17:19
End at: 2019-12-11 17:17:49
Local clock offset: 3.285 ms
Remote clock offset: 2.596 ms

# Below is generated by plot.py at 2019-12-11 18:59:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 637.16 Mbit/s
95th percentile per-packet one-way delay: 19.895 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 180.85 Mbit/s
95th percentile per-packet one-way delay: 2.351 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 518.24 Mbit/s
95th percentile per-packet one-way delay: 19.980 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 335.61 Mbit/s
95th percentile per-packet one-way delay: 19.428 ms
Loss rate: 0.20%
```

Run 5: Report of TCP Vegas — Data Link

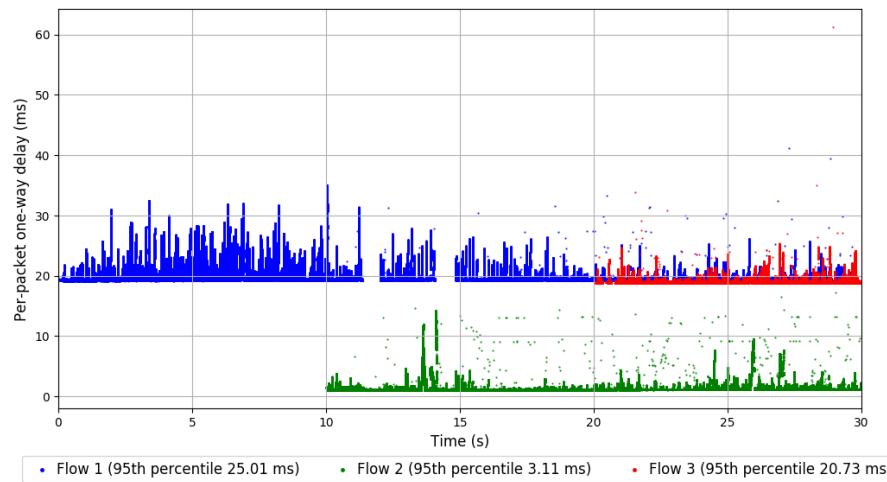
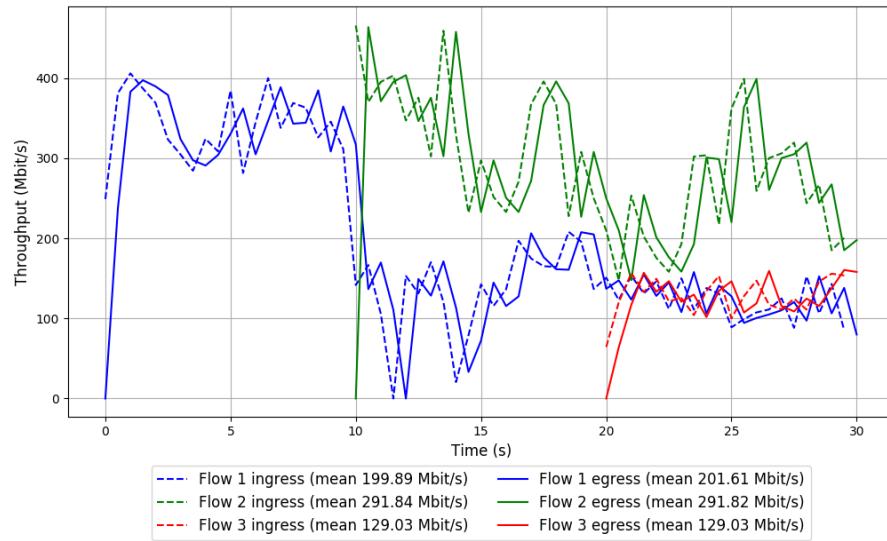


Run 1: Statistics of Verus

```
Start at: 2019-12-11 14:53:12
End at: 2019-12-11 14:53:42
Local clock offset: 3.139 ms
Remote clock offset: 2.447 ms

# Below is generated by plot.py at 2019-12-11 18:59:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 436.96 Mbit/s
95th percentile per-packet one-way delay: 23.055 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 201.61 Mbit/s
95th percentile per-packet one-way delay: 25.006 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 291.82 Mbit/s
95th percentile per-packet one-way delay: 3.106 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 129.03 Mbit/s
95th percentile per-packet one-way delay: 20.726 ms
Loss rate: 0.00%
```

Run 1: Report of Verus — Data Link

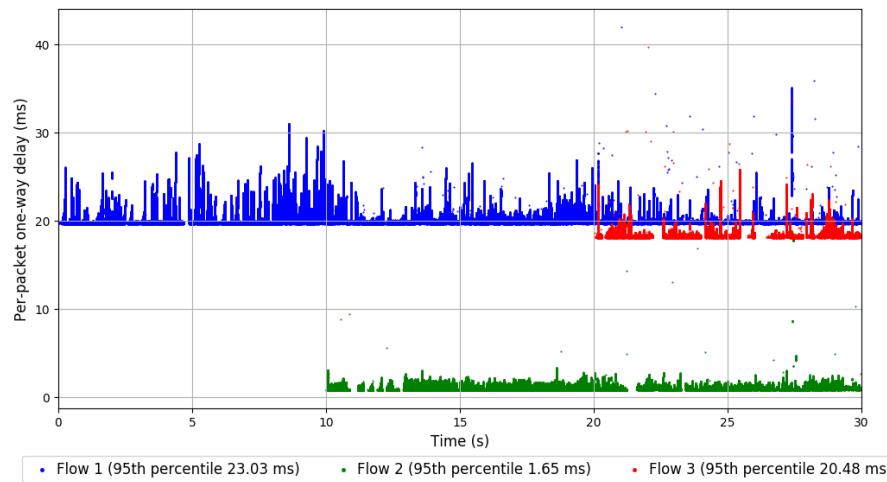
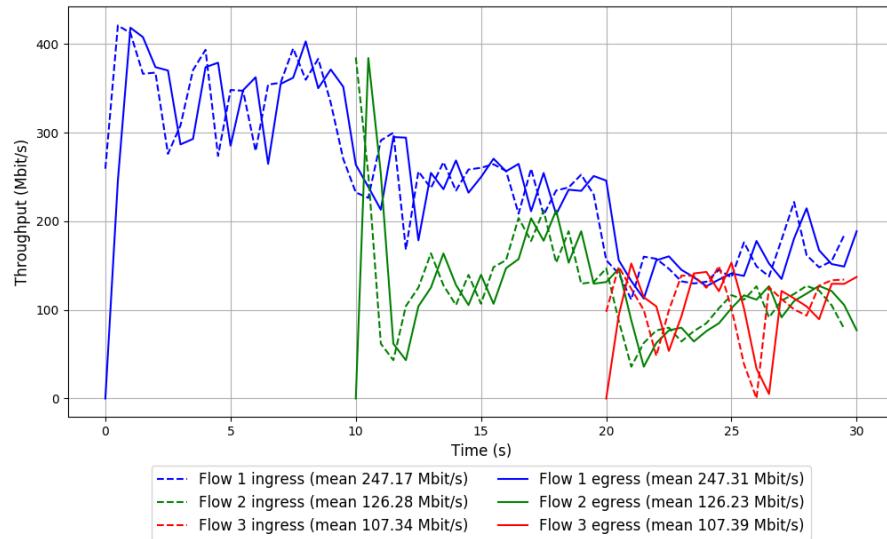


Run 2: Statistics of Verus

```
Start at: 2019-12-11 15:28:04
End at: 2019-12-11 15:28:34
Local clock offset: 3.322 ms
Remote clock offset: 8.452 ms

# Below is generated by plot.py at 2019-12-11 18:59:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 366.98 Mbit/s
95th percentile per-packet one-way delay: 22.366 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 247.31 Mbit/s
95th percentile per-packet one-way delay: 23.030 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 126.23 Mbit/s
95th percentile per-packet one-way delay: 1.646 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 107.39 Mbit/s
95th percentile per-packet one-way delay: 20.485 ms
Loss rate: 0.15%
```

Run 2: Report of Verus — Data Link

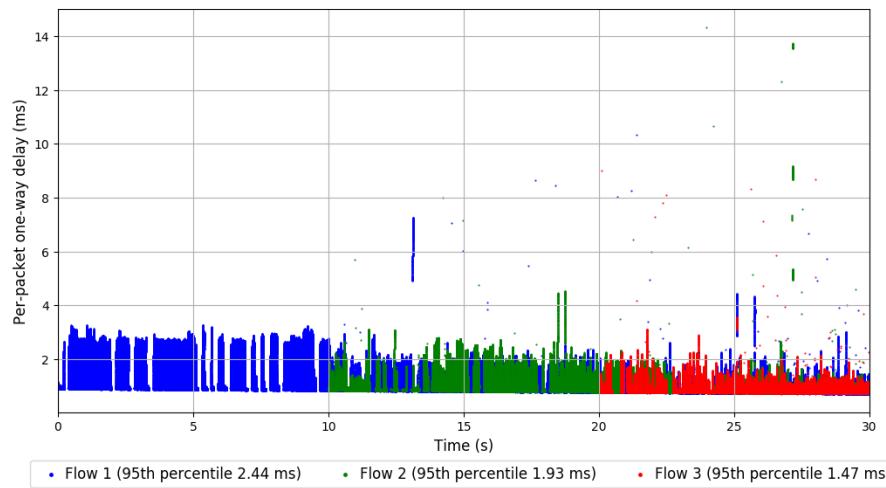
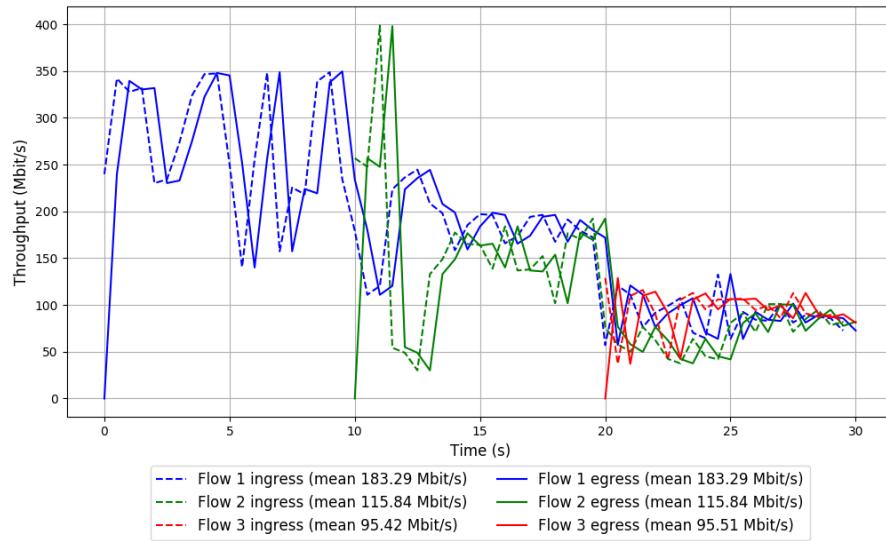


Run 3: Statistics of Verus

```
Start at: 2019-12-11 16:03:03
End at: 2019-12-11 16:03:33
Local clock offset: 3.173 ms
Remote clock offset: 1.646 ms

# Below is generated by plot.py at 2019-12-11 18:59:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 292.05 Mbit/s
95th percentile per-packet one-way delay: 2.284 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 183.29 Mbit/s
95th percentile per-packet one-way delay: 2.436 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 115.84 Mbit/s
95th percentile per-packet one-way delay: 1.932 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 95.51 Mbit/s
95th percentile per-packet one-way delay: 1.467 ms
Loss rate: 0.03%
```

Run 3: Report of Verus — Data Link

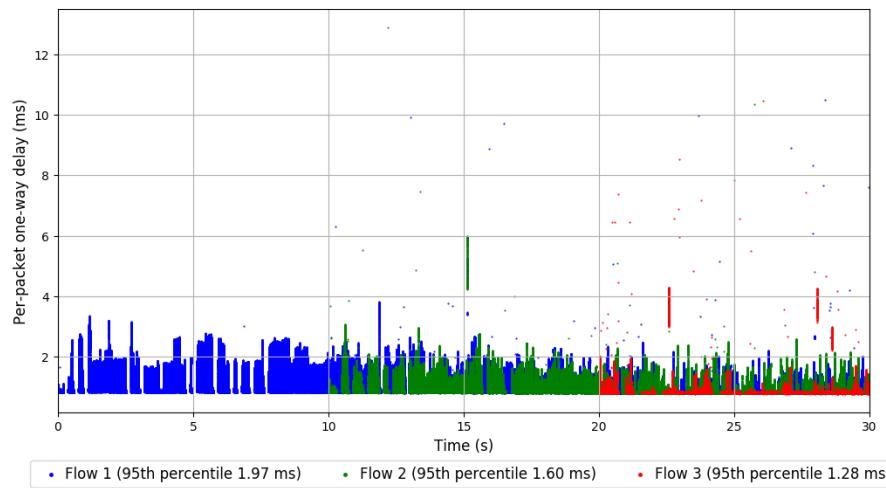
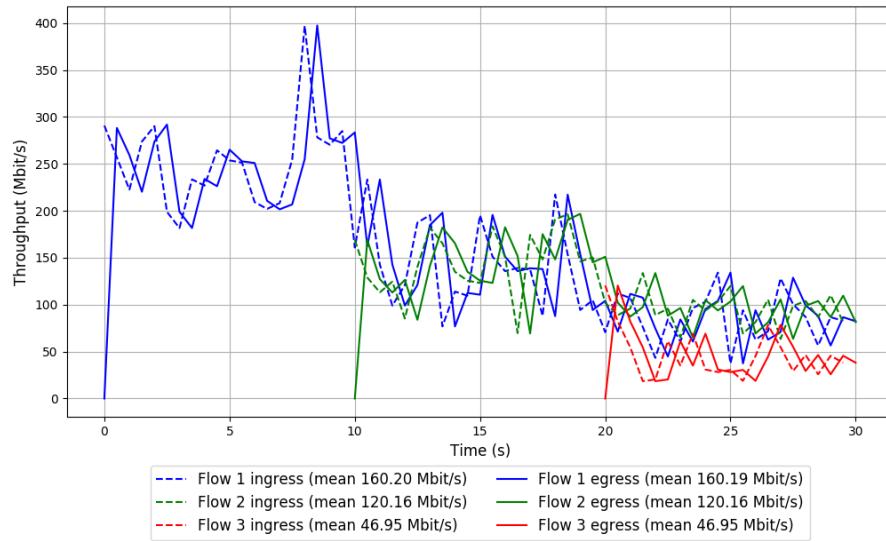


Run 4: Statistics of Verus

```
Start at: 2019-12-11 16:37:53
End at: 2019-12-11 16:38:23
Local clock offset: 2.889 ms
Remote clock offset: -3.733 ms

# Below is generated by plot.py at 2019-12-11 18:59:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 255.76 Mbit/s
95th percentile per-packet one-way delay: 1.862 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 160.19 Mbit/s
95th percentile per-packet one-way delay: 1.974 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 120.16 Mbit/s
95th percentile per-packet one-way delay: 1.605 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.95 Mbit/s
95th percentile per-packet one-way delay: 1.277 ms
Loss rate: 0.00%
```

Run 4: Report of Verus — Data Link

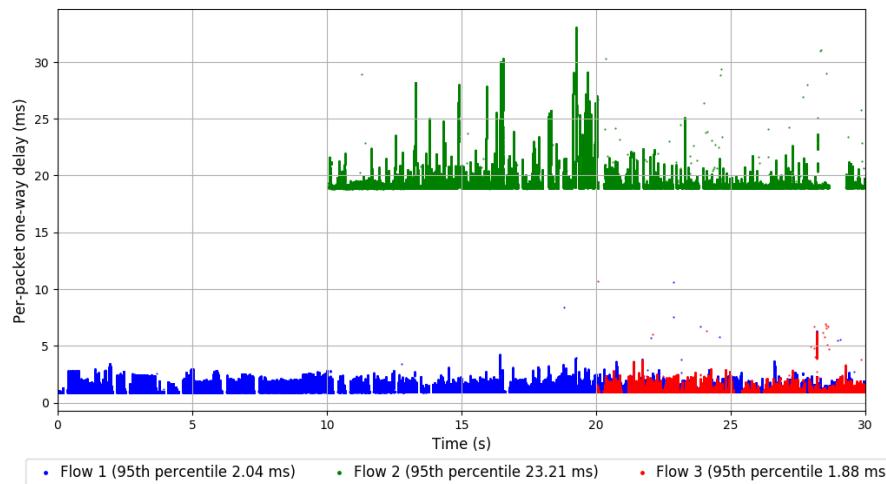
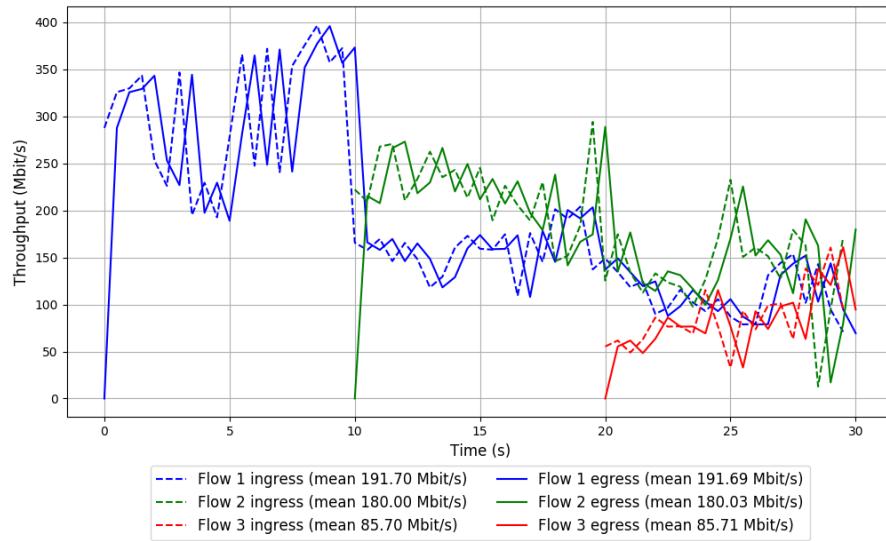


Run 5: Statistics of Verus

```
Start at: 2019-12-11 17:12:52
End at: 2019-12-11 17:13:22
Local clock offset: 3.099 ms
Remote clock offset: 1.756 ms

# Below is generated by plot.py at 2019-12-11 18:59:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 339.99 Mbit/s
95th percentile per-packet one-way delay: 20.442 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 191.69 Mbit/s
95th percentile per-packet one-way delay: 2.043 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 180.03 Mbit/s
95th percentile per-packet one-way delay: 23.210 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: 1.877 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link

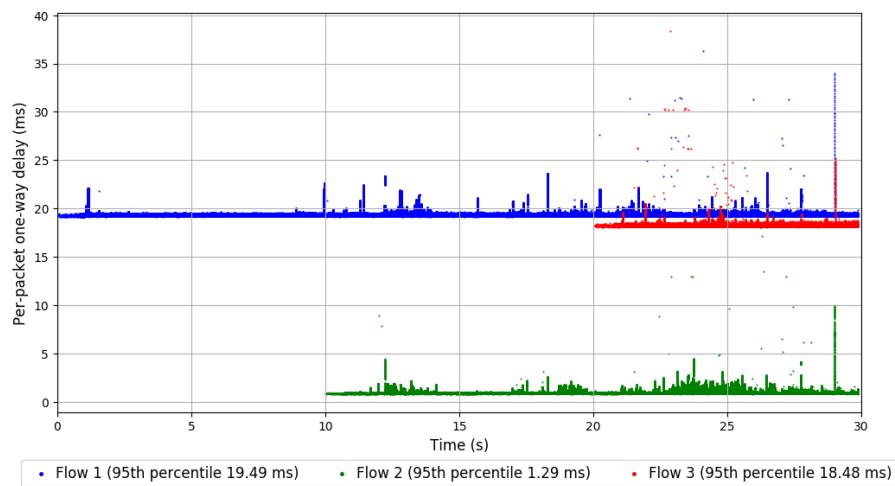
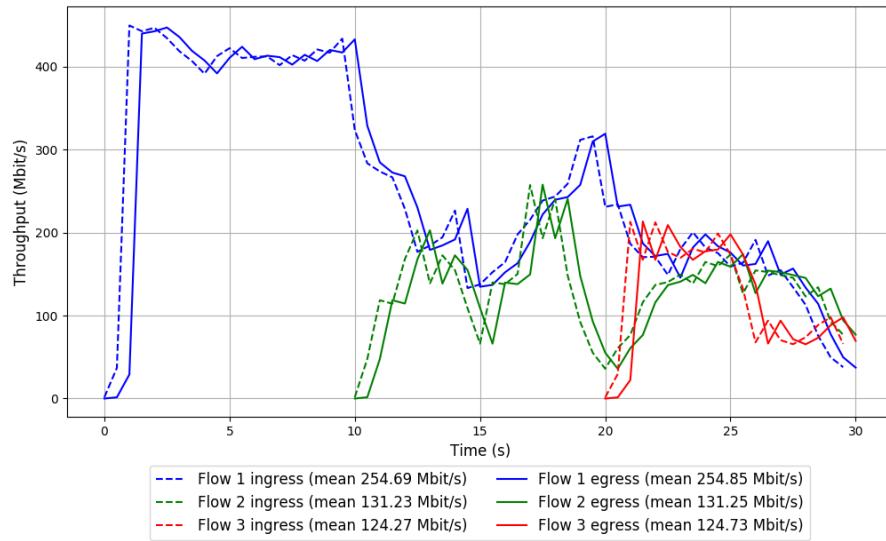


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-12-11 15:17:44
End at: 2019-12-11 15:18:14
Local clock offset: 3.255 ms
Remote clock offset: 7.098 ms

# Below is generated by plot.py at 2019-12-11 19:00:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 383.26 Mbit/s
95th percentile per-packet one-way delay: 19.458 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 254.85 Mbit/s
95th percentile per-packet one-way delay: 19.493 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 131.25 Mbit/s
95th percentile per-packet one-way delay: 1.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 124.73 Mbit/s
95th percentile per-packet one-way delay: 18.479 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Vivace — Data Link

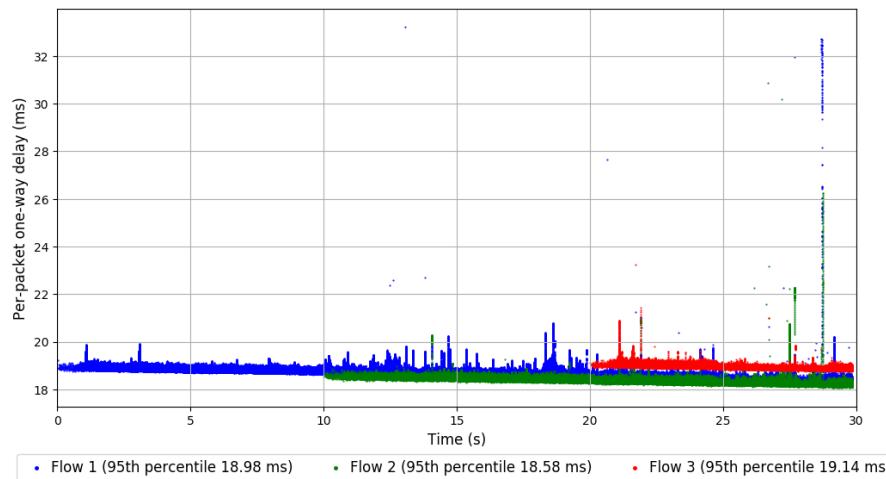
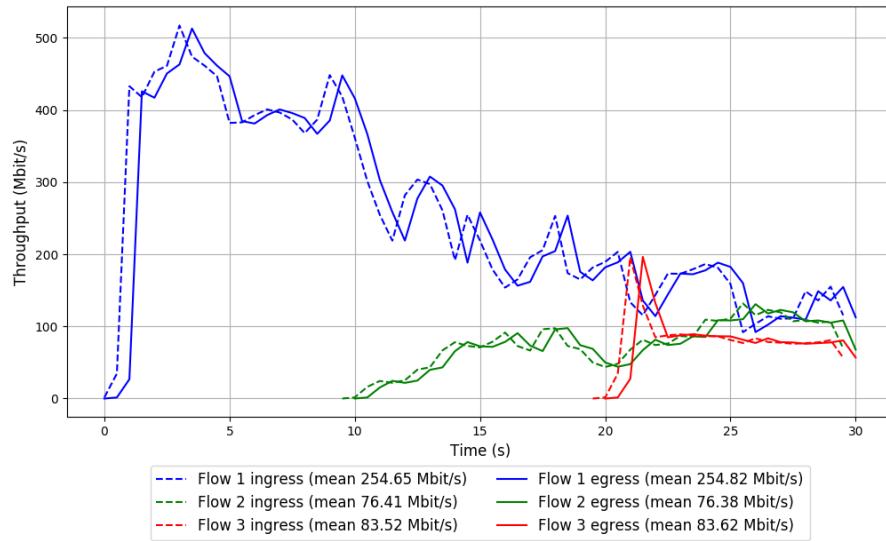


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-12-11 15:52:42
End at: 2019-12-11 15:53:12
Local clock offset: 3.221 ms
Remote clock offset: 9.153 ms

# Below is generated by plot.py at 2019-12-11 19:00:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 333.19 Mbit/s
95th percentile per-packet one-way delay: 19.010 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 254.82 Mbit/s
95th percentile per-packet one-way delay: 18.976 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 76.38 Mbit/s
95th percentile per-packet one-way delay: 18.578 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 83.62 Mbit/s
95th percentile per-packet one-way delay: 19.142 ms
Loss rate: 0.20%
```

Run 2: Report of PCC-Vivace — Data Link

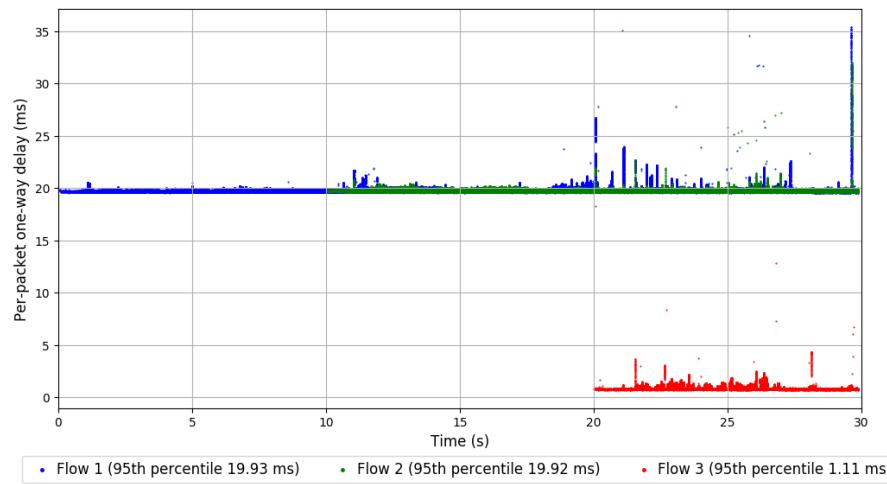
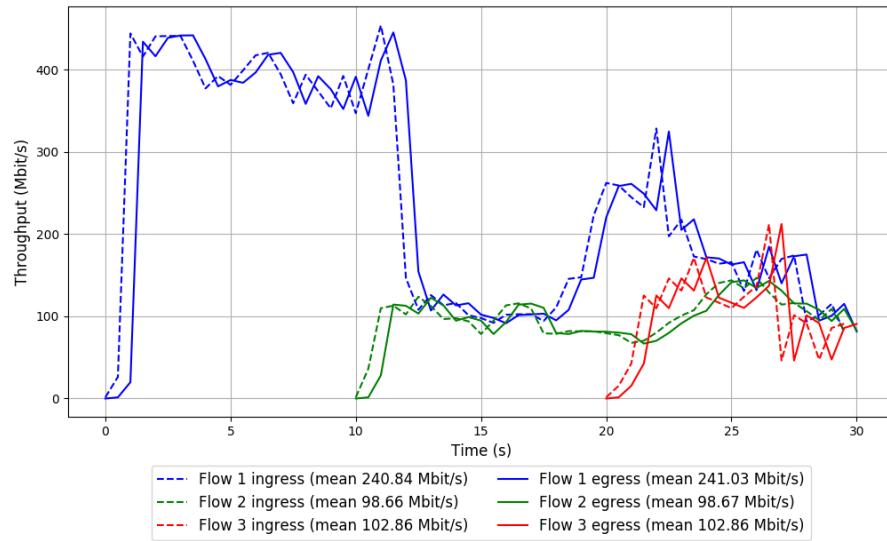


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-12-11 16:27:22
End at: 2019-12-11 16:27:52
Local clock offset: 2.933 ms
Remote clock offset: -2.803 ms

# Below is generated by plot.py at 2019-12-11 19:00:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 340.62 Mbit/s
95th percentile per-packet one-way delay: 19.917 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 241.03 Mbit/s
95th percentile per-packet one-way delay: 19.934 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 98.67 Mbit/s
95th percentile per-packet one-way delay: 19.922 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 102.86 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.02%
```

Run 3: Report of PCC-Vivace — Data Link

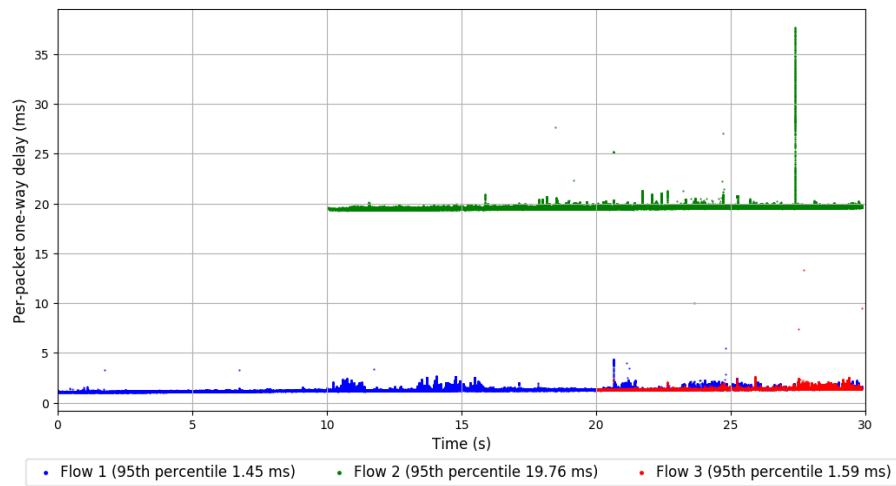
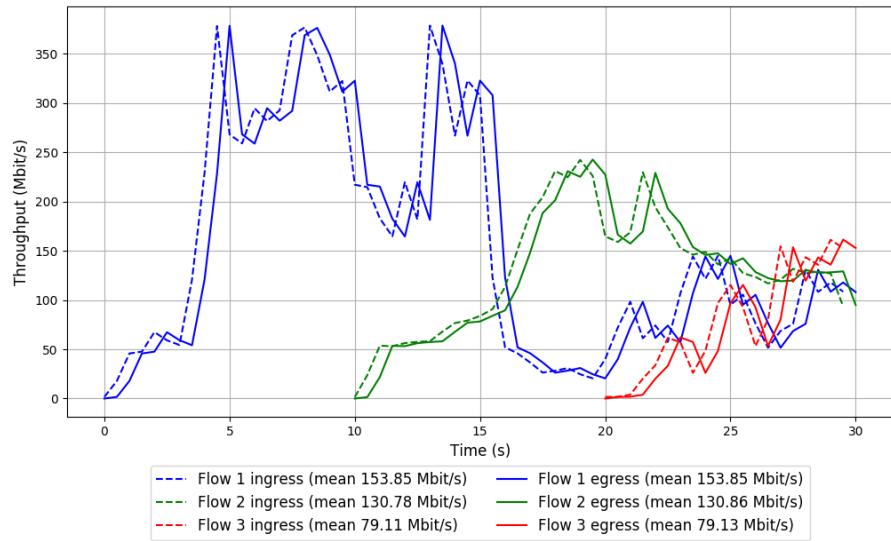


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-12-11 17:02:28
End at: 2019-12-11 17:02:58
Local clock offset: 2.845 ms
Remote clock offset: -2.933 ms

# Below is generated by plot.py at 2019-12-11 19:00:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 266.92 Mbit/s
95th percentile per-packet one-way delay: 19.682 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 153.85 Mbit/s
95th percentile per-packet one-way delay: 1.445 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 130.86 Mbit/s
95th percentile per-packet one-way delay: 19.760 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 79.13 Mbit/s
95th percentile per-packet one-way delay: 1.590 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Vivace — Data Link

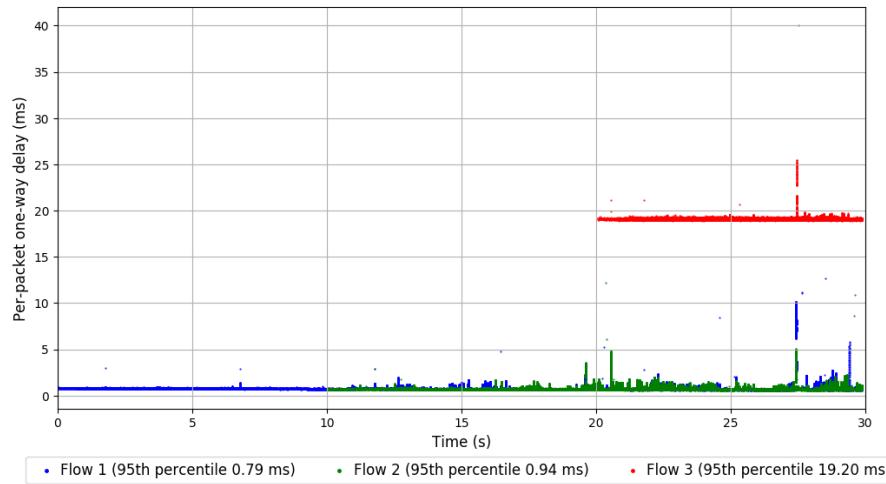
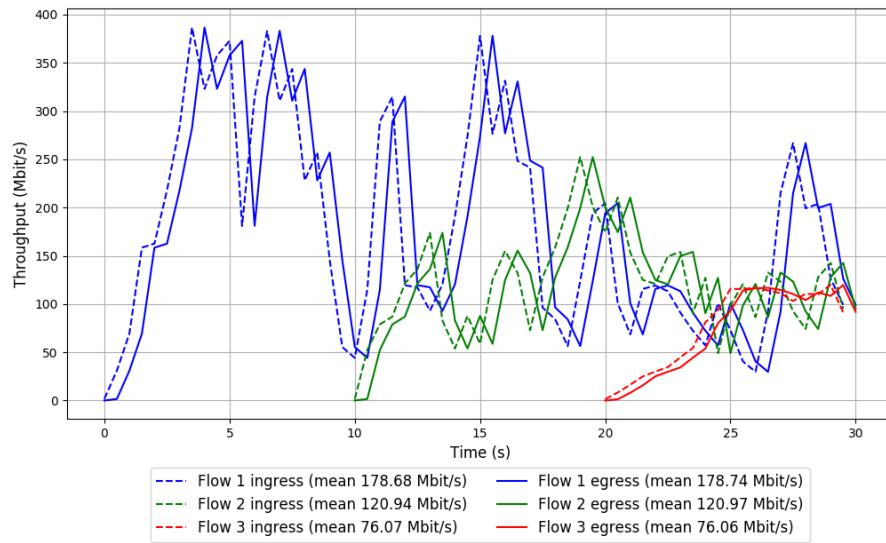


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-12-11 17:37:30
End at: 2019-12-11 17:38:00
Local clock offset: 3.644 ms
Remote clock offset: 2.849 ms

# Below is generated by plot.py at 2019-12-11 19:00:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 284.20 Mbit/s
95th percentile per-packet one-way delay: 19.054 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 178.74 Mbit/s
95th percentile per-packet one-way delay: 0.791 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 120.97 Mbit/s
95th percentile per-packet one-way delay: 0.935 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 76.06 Mbit/s
95th percentile per-packet one-way delay: 19.201 ms
Loss rate: 0.28%
```

Run 5: Report of PCC-Vivace — Data Link

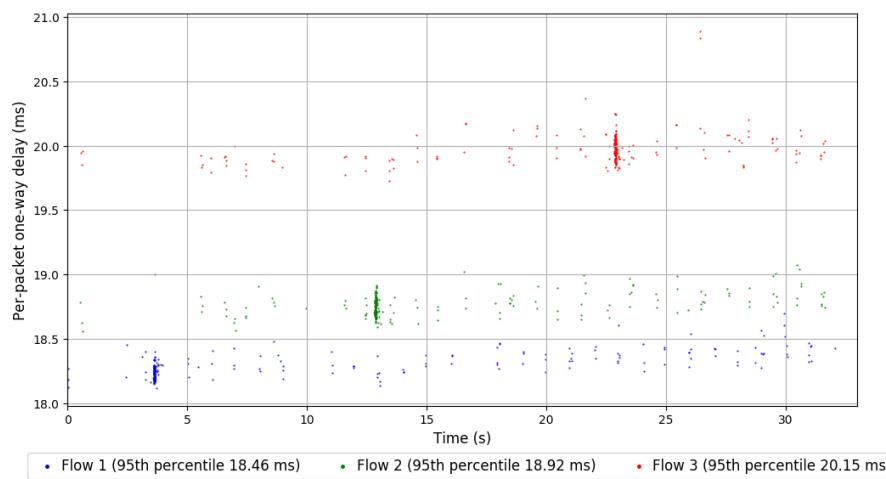
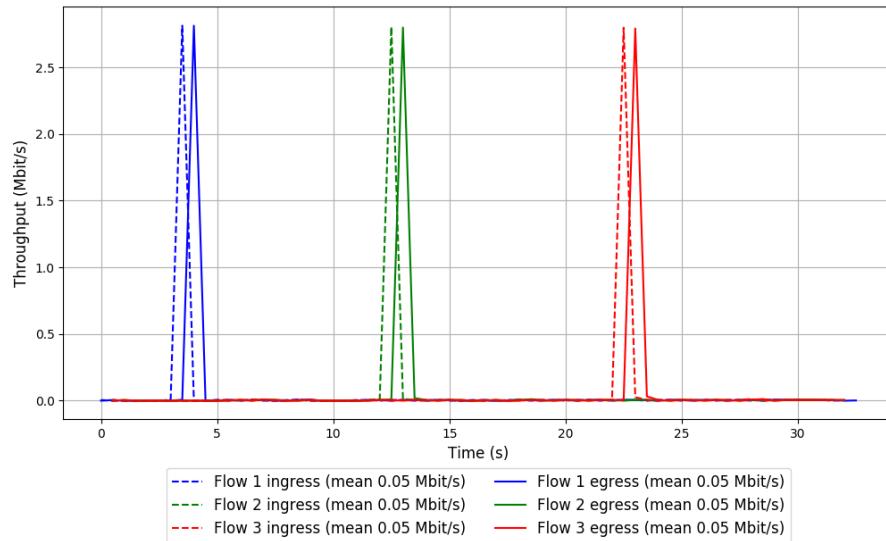


Run 1: Statistics of WebRTC media

```
Start at: 2019-12-11 14:54:45
End at: 2019-12-11 14:55:15
Local clock offset: 3.09 ms
Remote clock offset: 2.978 ms

# Below is generated by plot.py at 2019-12-11 19:00:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 20.075 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.459 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.919 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.154 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

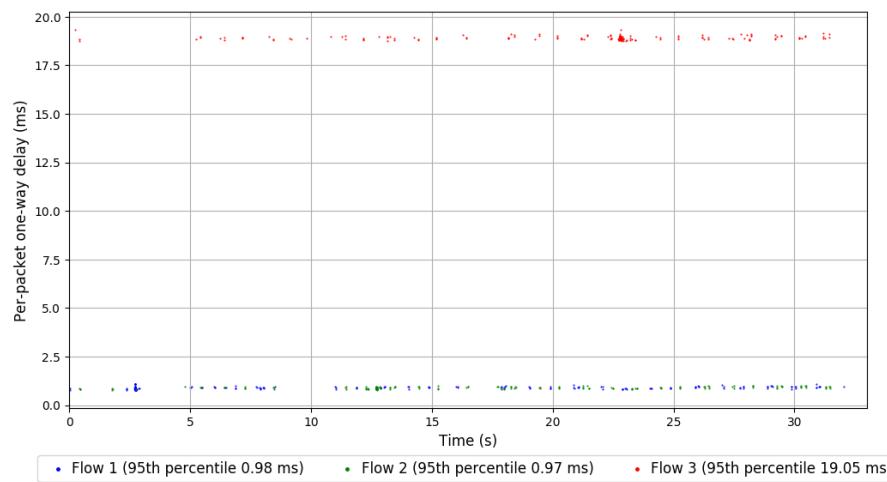
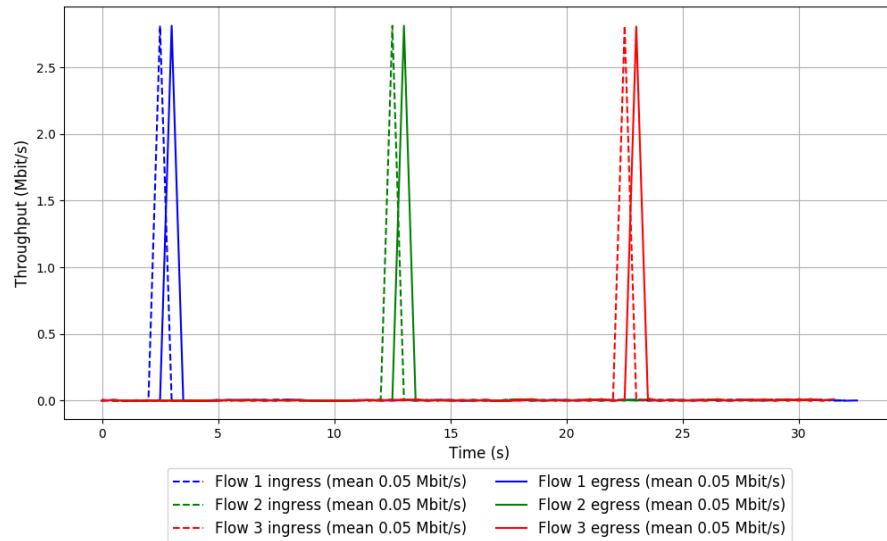


Run 2: Statistics of WebRTC media

```
Start at: 2019-12-11 15:29:35
End at: 2019-12-11 15:30:05
Local clock offset: 3.351 ms
Remote clock offset: 8.62 ms

# Below is generated by plot.py at 2019-12-11 19:00:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 18.973 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.979 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.973 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.050 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

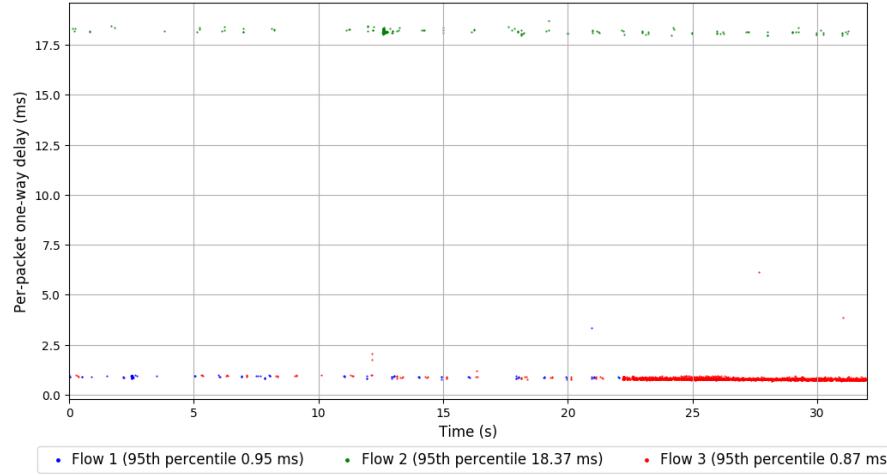
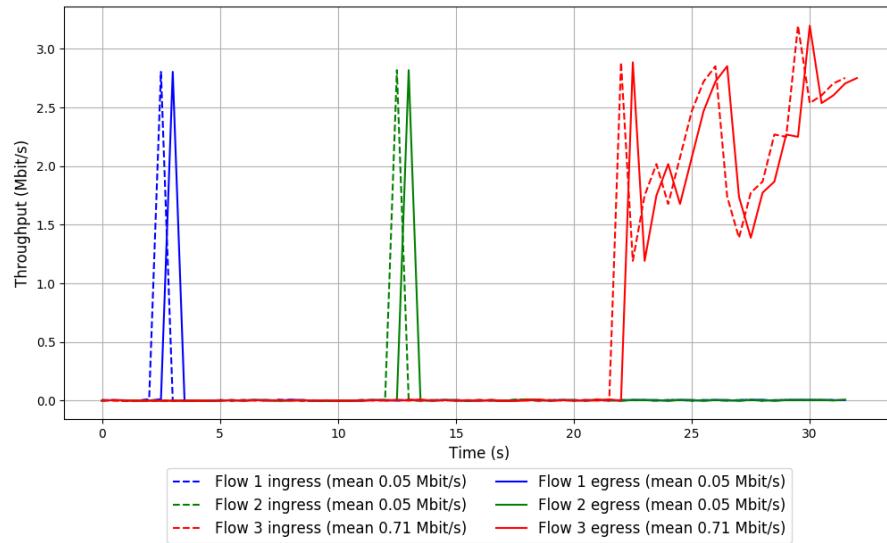


Run 3: Statistics of WebRTC media

```
Start at: 2019-12-11 16:04:31
End at: 2019-12-11 16:05:01
Local clock offset: 3.177 ms
Remote clock offset: 1.127 ms

# Below is generated by plot.py at 2019-12-11 19:00:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 18.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.954 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.369 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 0.871 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

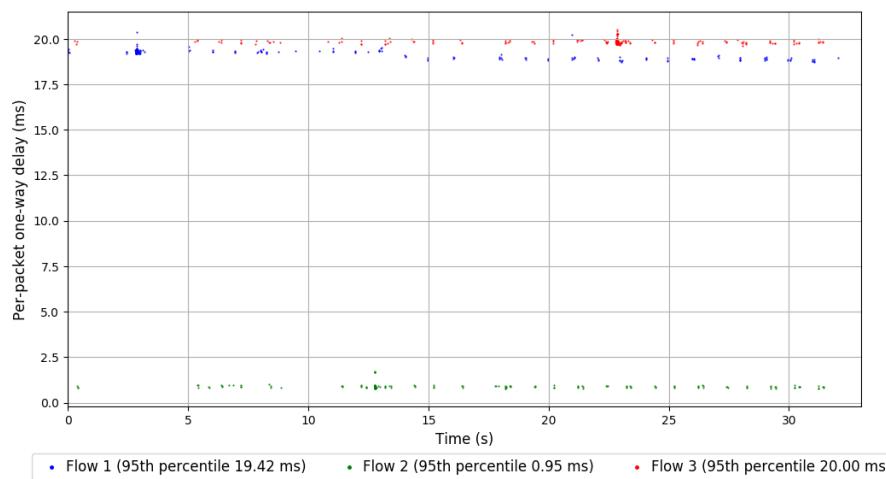
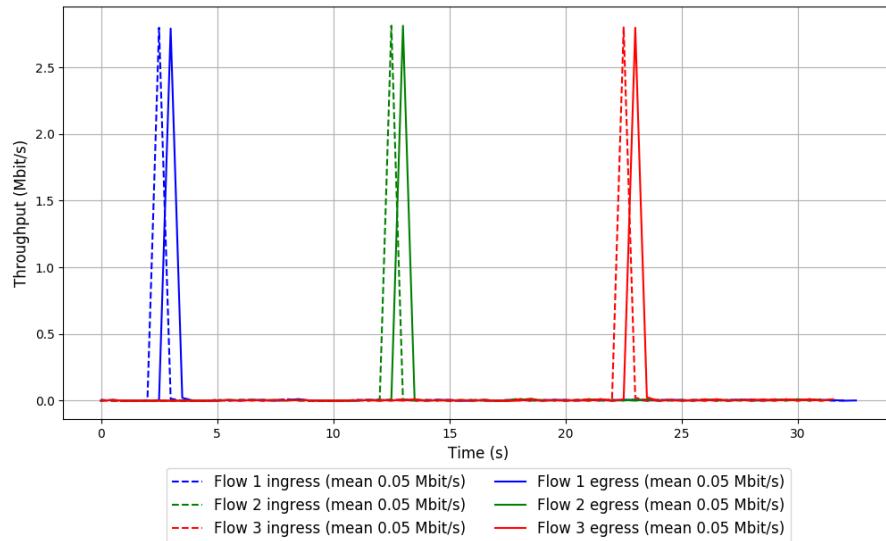


Run 4: Statistics of WebRTC media

```
Start at: 2019-12-11 16:39:19
End at: 2019-12-11 16:39:49
Local clock offset: 2.879 ms
Remote clock offset: -3.891 ms

# Below is generated by plot.py at 2019-12-11 19:00:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 19.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.424 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.949 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.997 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2019-12-11 17:14:22
End at: 2019-12-11 17:14:52
Local clock offset: 3.196 ms
Remote clock offset: 2.087 ms

# Below is generated by plot.py at 2019-12-11 19:00:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 18.998 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.062 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.696 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

