

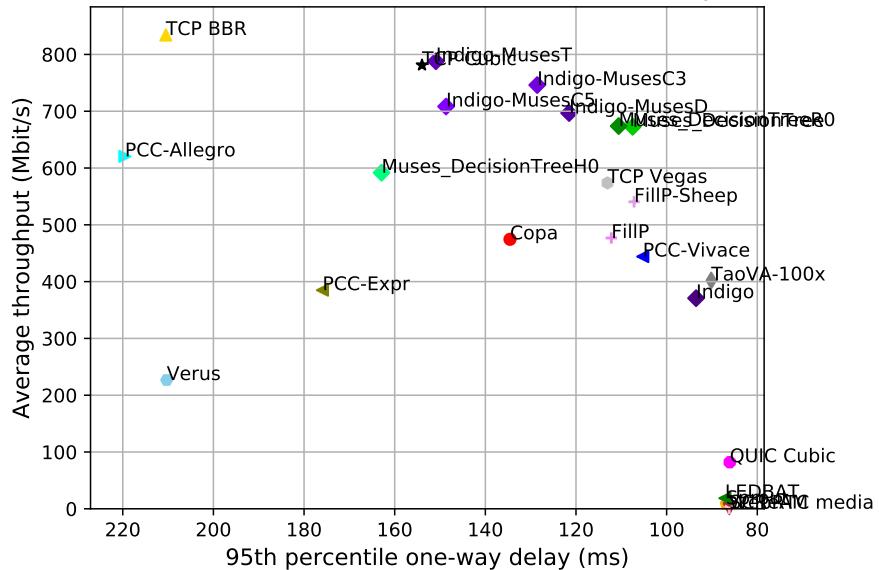
Pantheon Report

Generated at 2019-07-12 08:45:08 (UTC).
Data path: GCE Iowa on `ens4` (*remote*) → GCE Sydney on `ens4` (*local*).
Repeated the test of 24 congestion control schemes 5 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

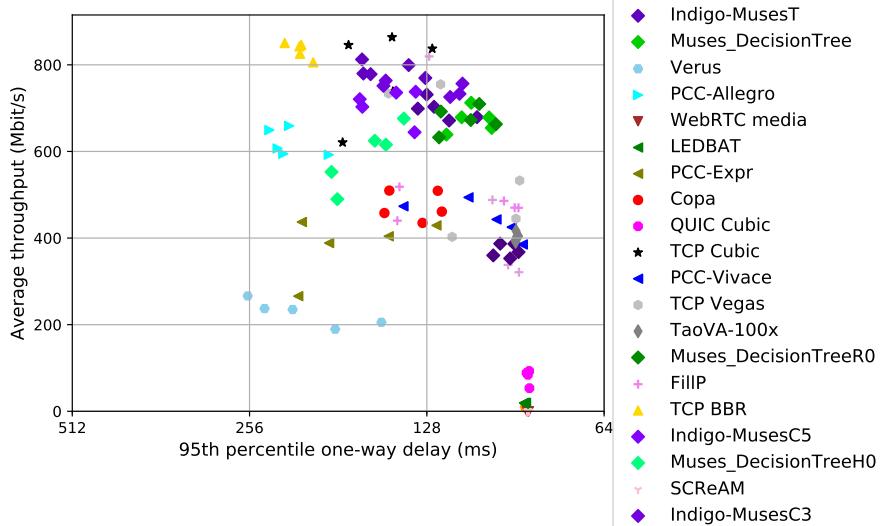
```
System info:  
Linux 4.15.0-1034-gcp  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
Git summary:  
branch: muses @ 2076e1149a241f3edb4365d686df32342bf9561f  
third_party/fillp @ d6da1459332fceef56963885d7eba17e6a32d4519  
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 @ 8bb93ffff2b107204a92d8b72449fc0c55e15f00  
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd  
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1  
M receiver/src/buffer.h  
M receiver/src/core.cpp  
M sender/src/buffer.h  
M sender/src/core.cpp  
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab  
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42  
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2  
M src/ScreamClient  
M src/ScreamServer  
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26  
M src/examples/cellsim.cc  
M src/examples/sproutbt2.cc  
M src/network/sproutconn.cc  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
M src/verus.hpp
```

```
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Iowa to GCE Sydney, 5 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



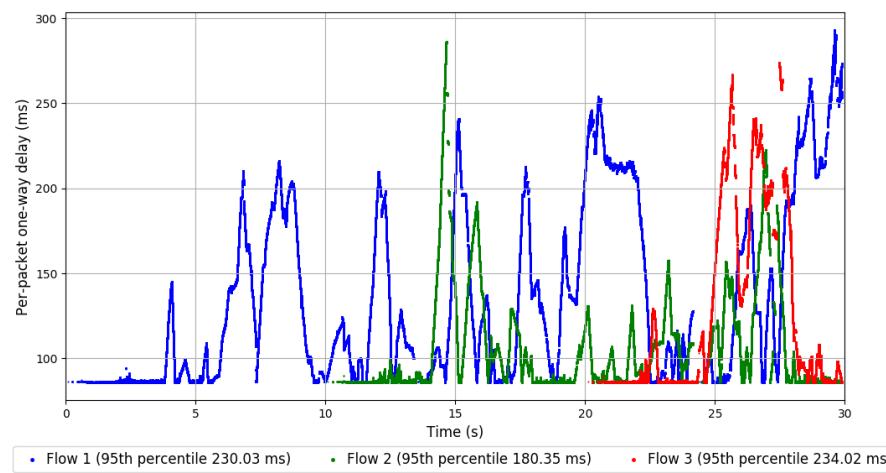
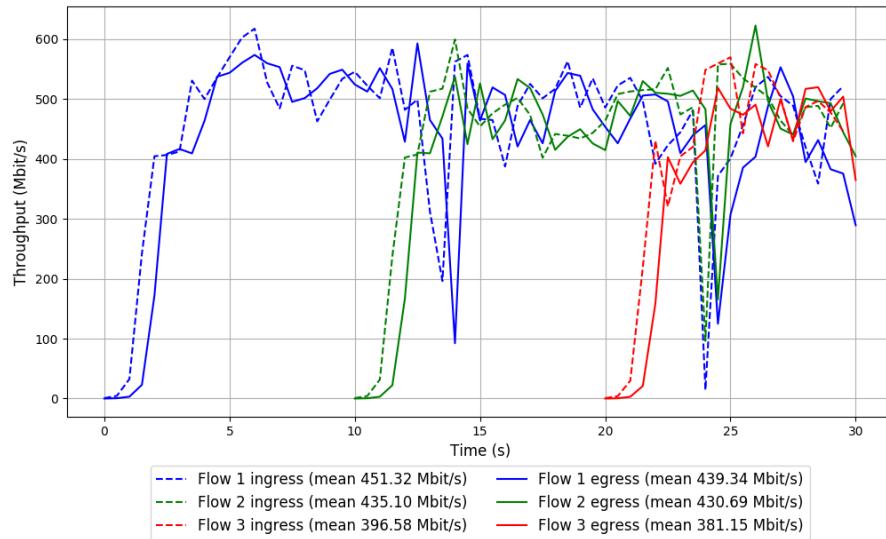
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	447.34	404.00	360.95	204.04	204.66	199.07	1.79	2.10	4.87
Copa		262.74	231.74	177.17	124.78	168.10	114.64	0.71	1.07	2.52
TCP Cubic		427.61	397.93	271.88	155.59	126.90	124.96	0.55	0.88	2.86
FillP		172.79	337.53	244.67	116.66	89.81	90.00	1.81	0.81	1.98
FillP-Sheep		260.18	305.21	237.41	111.66	90.54	89.62	0.33	0.78	2.10
Indigo		197.08	182.94	159.33	93.65	95.56	93.64	0.56	0.88	2.10
Indigo-MusesC3		442.32	370.50	271.77	136.07	112.30	93.45	0.54	0.85	3.58
Indigo-MusesC5		432.53	370.12	152.40	151.53	139.96	88.37	0.57	0.95	3.62
Indigo-MusesD		408.75	359.62	227.33	120.87	123.58	94.67	0.56	0.80	2.96
Indigo-MusesT		478.12	402.80	205.18	158.94	118.92	91.55	0.67	0.95	3.05
LEDBAT		11.80	8.30	4.03	87.22	87.17	86.73	1.00	1.74	3.52
Muses_DecisionTree		404.46	323.32	179.04	112.10	98.77	88.04	0.54	0.92	3.09
Muses_DecisionTreeH0		342.53	294.71	173.64	167.50	152.70	118.78	1.69	1.85	4.22
Muses_DecisionTreeR0		400.13	318.43	204.05	110.64	130.03	95.94	0.36	1.65	3.06
PCC-Allegro		345.36	301.21	238.07	203.34	183.26	190.46	4.08	3.81	3.09
PCC-Expr		194.94	204.50	166.97	159.46	141.01	163.07	1.86	2.24	2.45
QUIC Cubic		41.30	44.58	32.91	86.02	86.04	85.87	0.95	1.29	1.54
SCReAM		0.22	0.22	0.22	86.16	86.11	86.10	0.51	0.91	1.63
Sprout		4.29	4.24	3.29	86.80	86.98	86.80	0.64	0.92	2.33
TaoVA-100x		211.84	195.44	185.32	89.16	91.70	91.06	0.66	0.80	2.04
TCP Vegas		286.14	275.60	318.41	99.76	104.57	127.41	0.61	0.91	1.92
Verus		127.12	125.73	50.12	190.30	213.70	114.09	2.51	1.93	3.33
PCC-Vivace		260.41	216.60	129.63	101.65	107.41	105.17	0.64	0.92	2.39
WebRTC media		0.05	0.05	0.05	86.22	86.07	86.11	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-07-12 02:19:28
End at: 2019-07-12 02:19:58
Local clock offset: -0.015 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2019-07-12 06:20:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 850.43 Mbit/s
95th percentile per-packet one-way delay: 223.123 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 439.34 Mbit/s
95th percentile per-packet one-way delay: 230.034 ms
Loss rate: 3.21%
-- Flow 2:
Average throughput: 430.69 Mbit/s
95th percentile per-packet one-way delay: 180.353 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 381.15 Mbit/s
95th percentile per-packet one-way delay: 234.022 ms
Loss rate: 5.55%
```

Run 1: Report of TCP BBR — Data Link

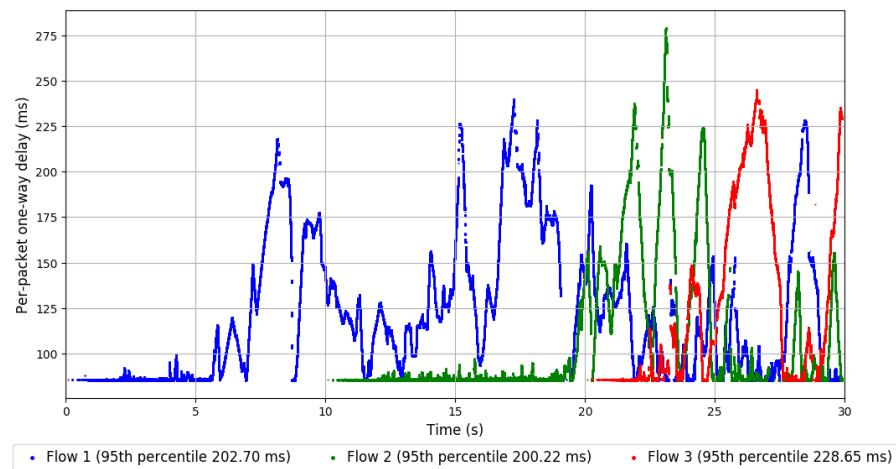
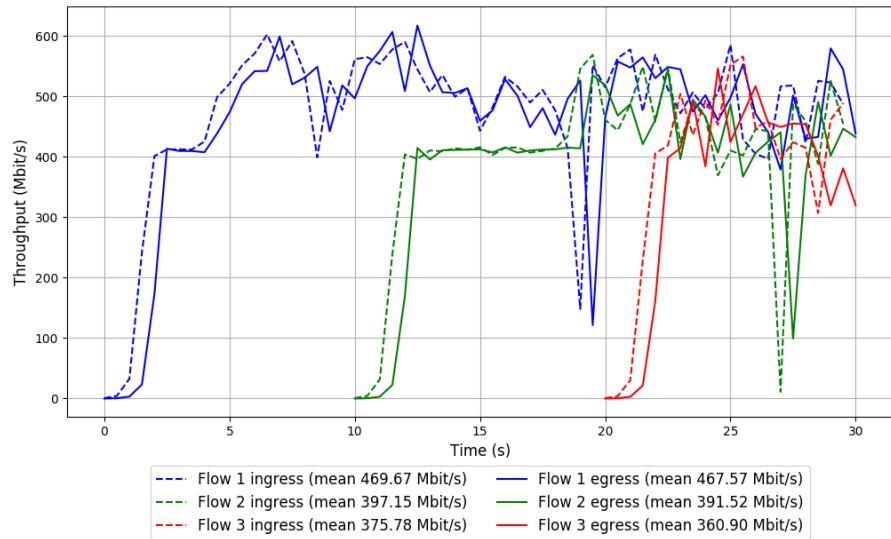


Run 2: Statistics of TCP BBR

```
Start at: 2019-07-12 03:01:31
End at: 2019-07-12 03:02:01
Local clock offset: -0.462 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2019-07-12 06:20:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 846.18 Mbit/s
95th percentile per-packet one-way delay: 209.087 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 467.57 Mbit/s
95th percentile per-packet one-way delay: 202.698 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 391.52 Mbit/s
95th percentile per-packet one-way delay: 200.221 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 360.90 Mbit/s
95th percentile per-packet one-way delay: 228.651 ms
Loss rate: 5.62%
```

Run 2: Report of TCP BBR — Data Link

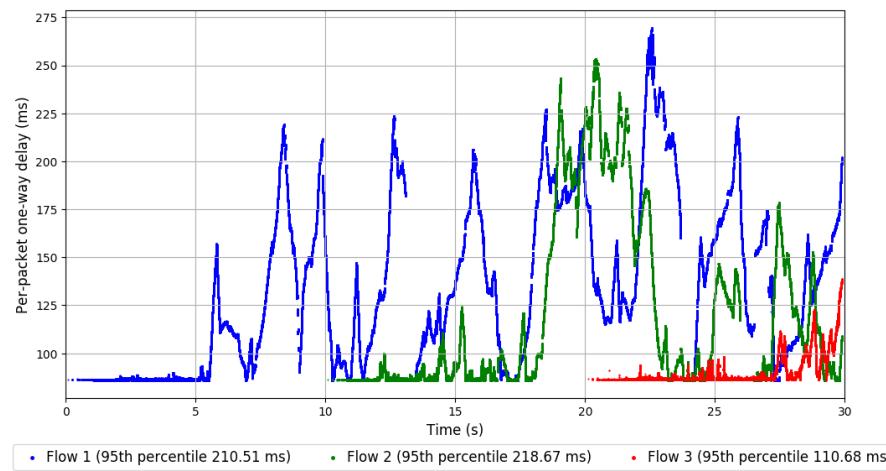
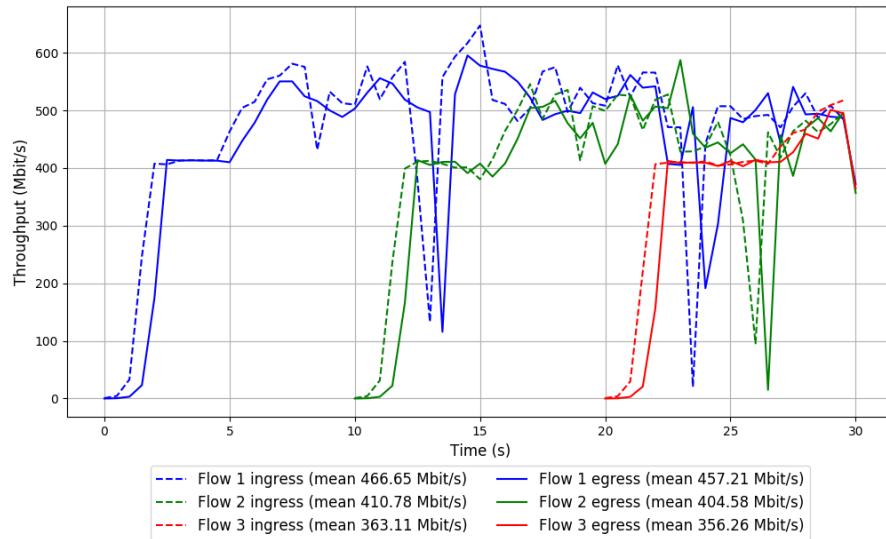


Run 3: Statistics of TCP BBR

```
Start at: 2019-07-12 03:43:17
End at: 2019-07-12 03:43:47
Local clock offset: 0.085 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2019-07-12 06:20:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 842.87 Mbit/s
95th percentile per-packet one-way delay: 210.575 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 457.21 Mbit/s
95th percentile per-packet one-way delay: 210.507 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 404.58 Mbit/s
95th percentile per-packet one-way delay: 218.673 ms
Loss rate: 2.36%
-- Flow 3:
Average throughput: 356.26 Mbit/s
95th percentile per-packet one-way delay: 110.682 ms
Loss rate: 3.59%
```

Run 3: Report of TCP BBR — Data Link

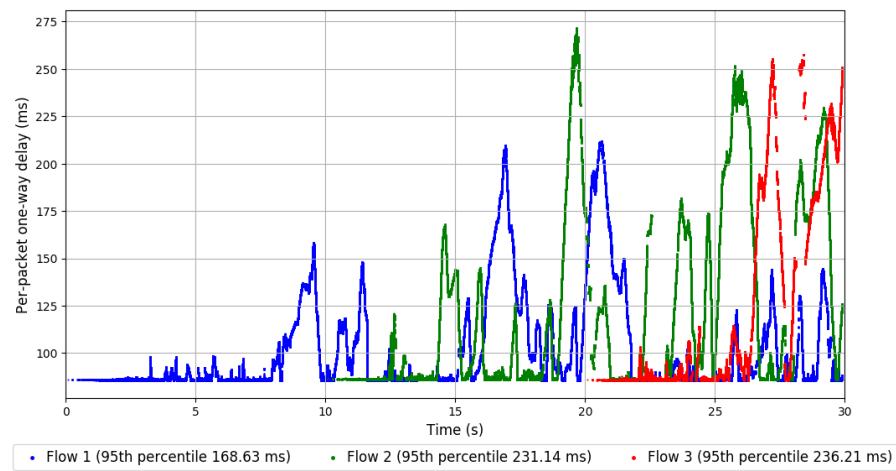
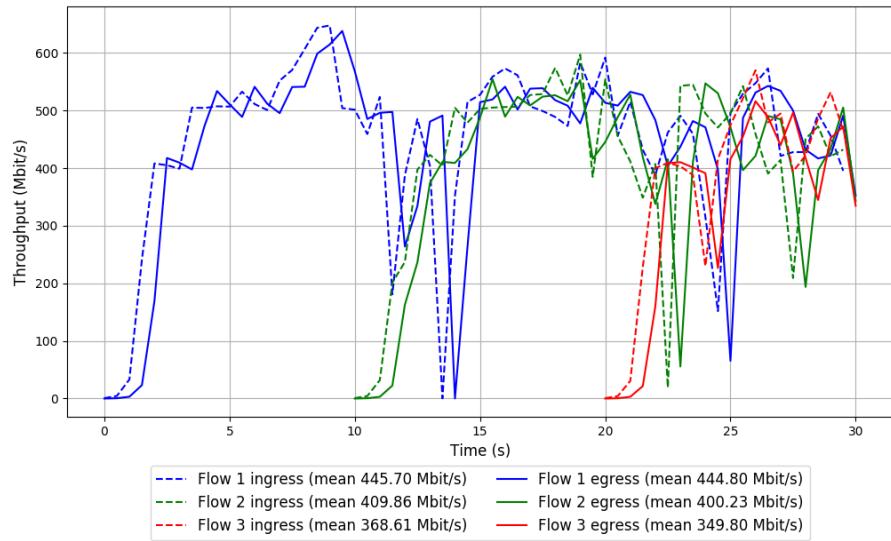


Run 4: Statistics of TCP BBR

```
Start at: 2019-07-12 04:25:06
End at: 2019-07-12 04:25:36
Local clock offset: 0.101 ms
Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2019-07-12 06:20:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 825.72 Mbit/s
95th percentile per-packet one-way delay: 210.154 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 444.80 Mbit/s
95th percentile per-packet one-way delay: 168.632 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 400.23 Mbit/s
95th percentile per-packet one-way delay: 231.140 ms
Loss rate: 3.20%
-- Flow 3:
Average throughput: 349.80 Mbit/s
95th percentile per-packet one-way delay: 236.210 ms
Loss rate: 6.74%
```

Run 4: Report of TCP BBR — Data Link

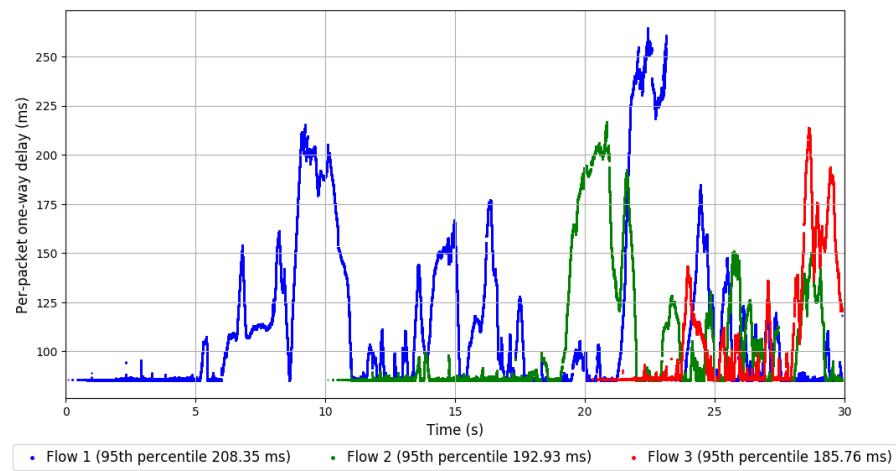
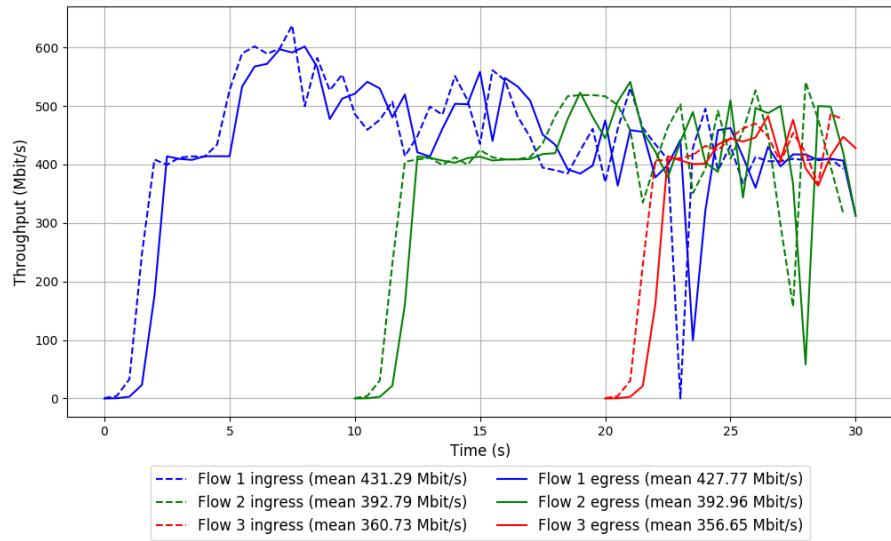


Run 5: Statistics of TCP BBR

```
Start at: 2019-07-12 05:06:50
End at: 2019-07-12 05:07:20
Local clock offset: -0.193 ms
Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2019-07-12 06:20:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 805.68 Mbit/s
95th percentile per-packet one-way delay: 199.555 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 427.77 Mbit/s
95th percentile per-packet one-way delay: 208.353 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 392.96 Mbit/s
95th percentile per-packet one-way delay: 192.931 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 356.65 Mbit/s
95th percentile per-packet one-way delay: 185.761 ms
Loss rate: 2.85%
```

Run 5: Report of TCP BBR — Data Link

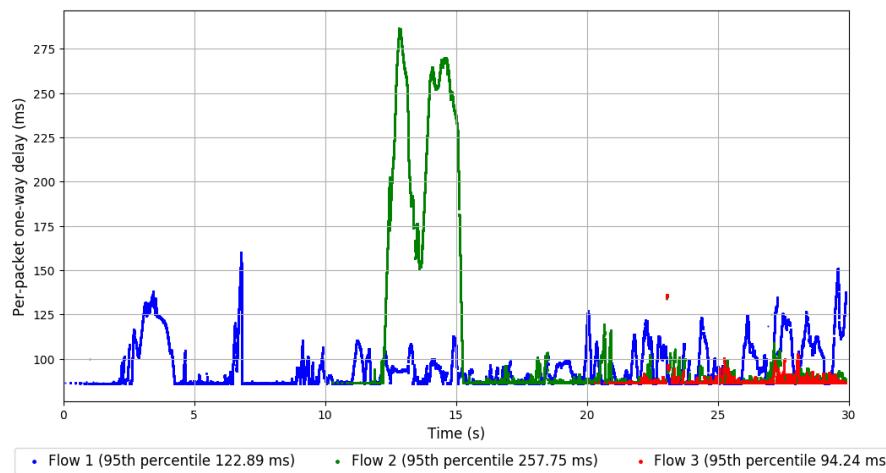
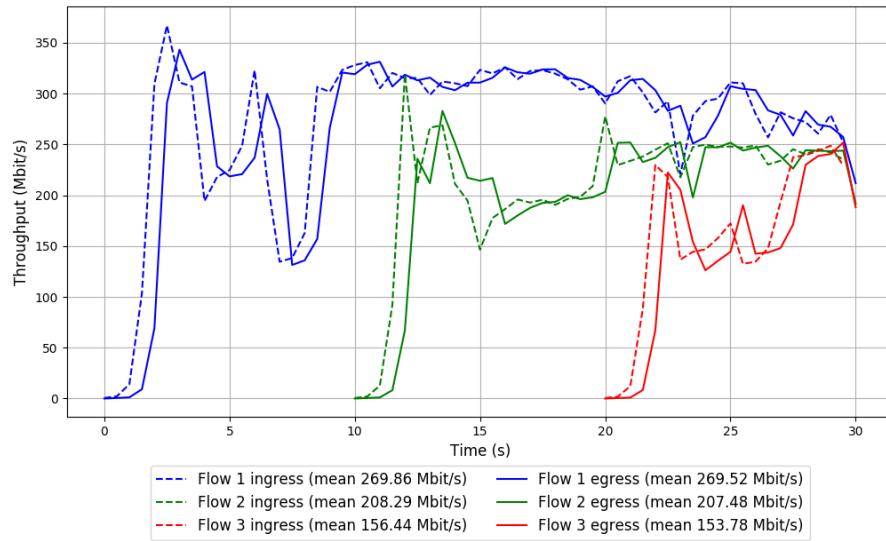


Run 1: Statistics of Copa

```
Start at: 2019-07-12 02:43:33
End at: 2019-07-12 02:44:03
Local clock offset: 0.178 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2019-07-12 06:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 457.81 Mbit/s
95th percentile per-packet one-way delay: 151.073 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 269.52 Mbit/s
95th percentile per-packet one-way delay: 122.887 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 207.48 Mbit/s
95th percentile per-packet one-way delay: 257.749 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 153.78 Mbit/s
95th percentile per-packet one-way delay: 94.241 ms
Loss rate: 3.40%
```

Run 1: Report of Copa — Data Link

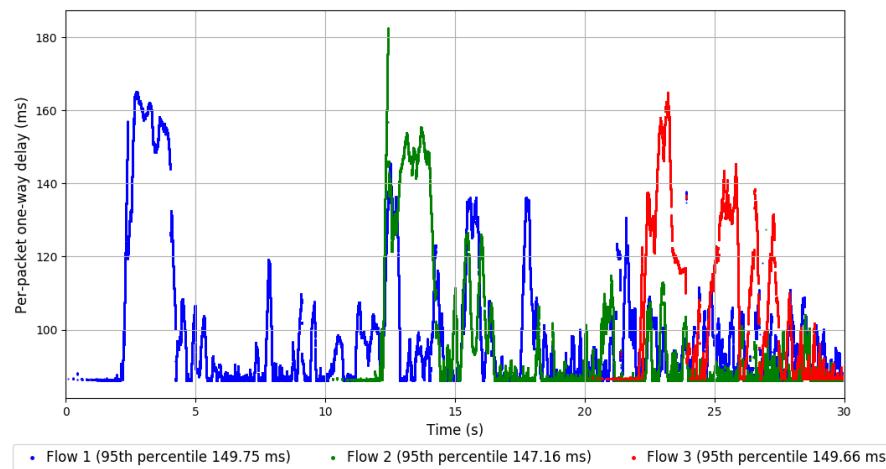
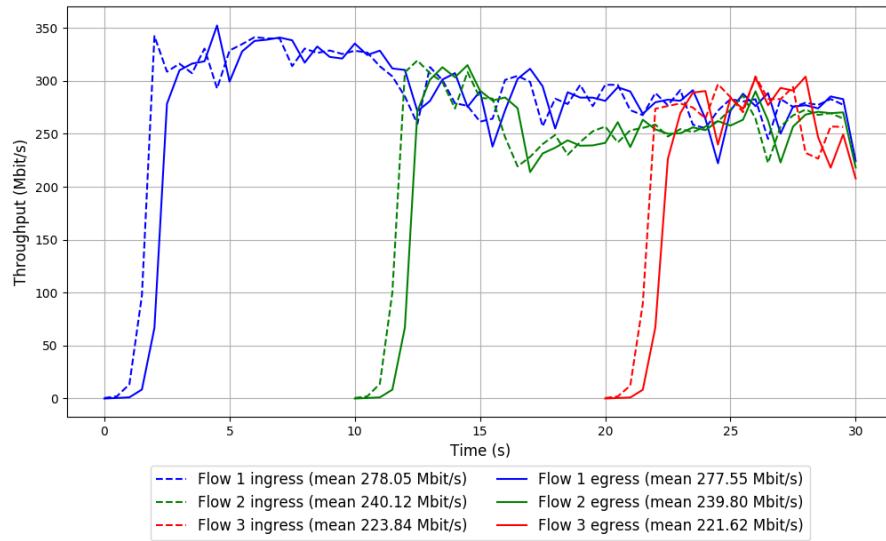


Run 2: Statistics of Copa

```
Start at: 2019-07-12 03:25:32
End at: 2019-07-12 03:26:02
Local clock offset: 0.235 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2019-07-12 06:22:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 509.63 Mbit/s
95th percentile per-packet one-way delay: 148.223 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 277.55 Mbit/s
95th percentile per-packet one-way delay: 149.747 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 239.80 Mbit/s
95th percentile per-packet one-way delay: 147.160 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 221.62 Mbit/s
95th percentile per-packet one-way delay: 149.659 ms
Loss rate: 2.71%
```

Run 2: Report of Copa — Data Link

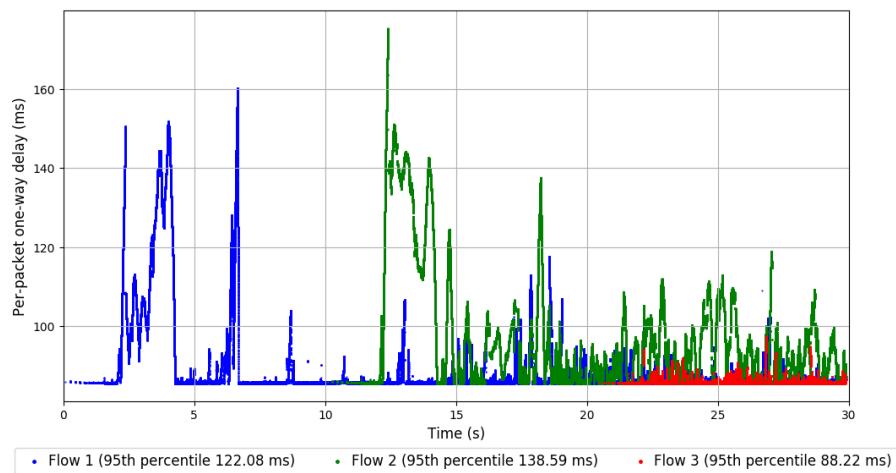
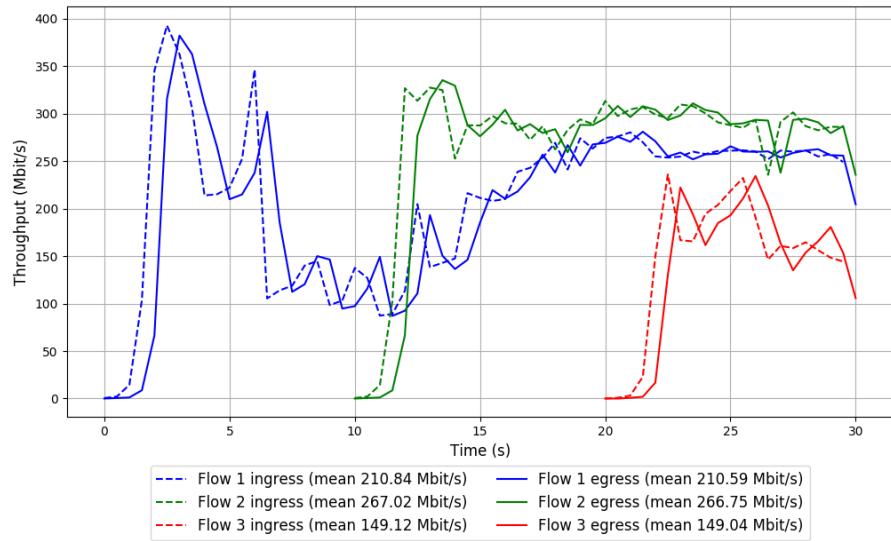


Run 3: Statistics of Copa

```
Start at: 2019-07-12 04:07:18
End at: 2019-07-12 04:07:48
Local clock offset: -0.272 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2019-07-12 06:22:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 434.97 Mbit/s
95th percentile per-packet one-way delay: 130.160 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 210.59 Mbit/s
95th percentile per-packet one-way delay: 122.084 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 266.75 Mbit/s
95th percentile per-packet one-way delay: 138.592 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 149.04 Mbit/s
95th percentile per-packet one-way delay: 88.219 ms
Loss rate: 1.84%
```

Run 3: Report of Copa — Data Link

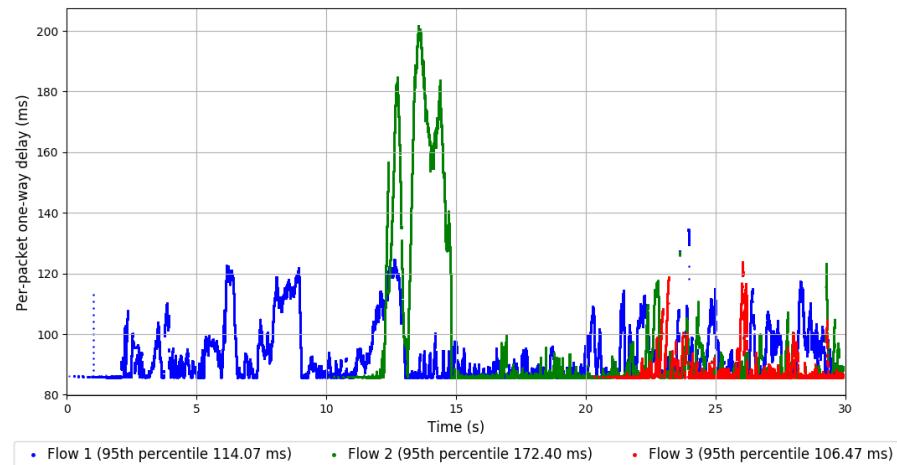
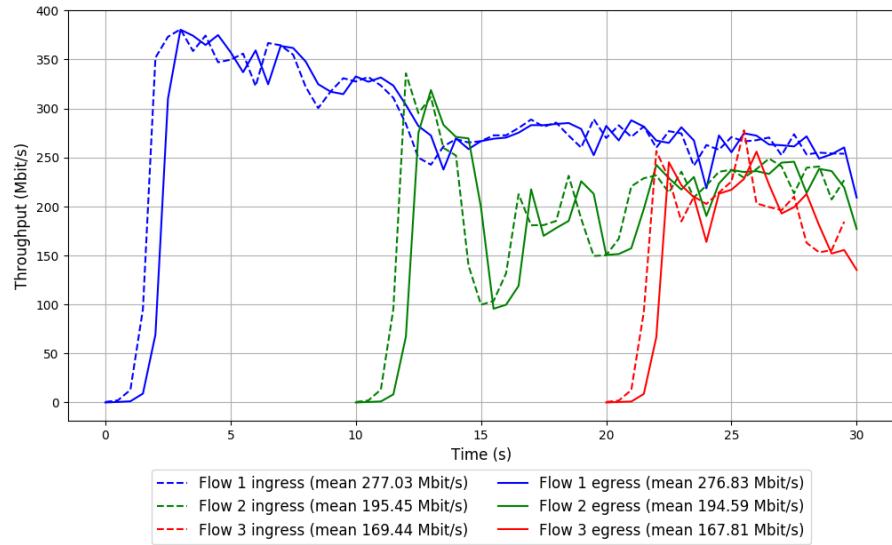


Run 4: Statistics of Copa

```
Start at: 2019-07-12 04:49:03
End at: 2019-07-12 04:49:33
Local clock offset: 0.147 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2019-07-12 06:35:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 461.08 Mbit/s
95th percentile per-packet one-way delay: 120.704 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 276.83 Mbit/s
95th percentile per-packet one-way delay: 114.073 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 194.59 Mbit/s
95th percentile per-packet one-way delay: 172.404 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 167.81 Mbit/s
95th percentile per-packet one-way delay: 106.465 ms
Loss rate: 2.68%
```

Run 4: Report of Copa — Data Link

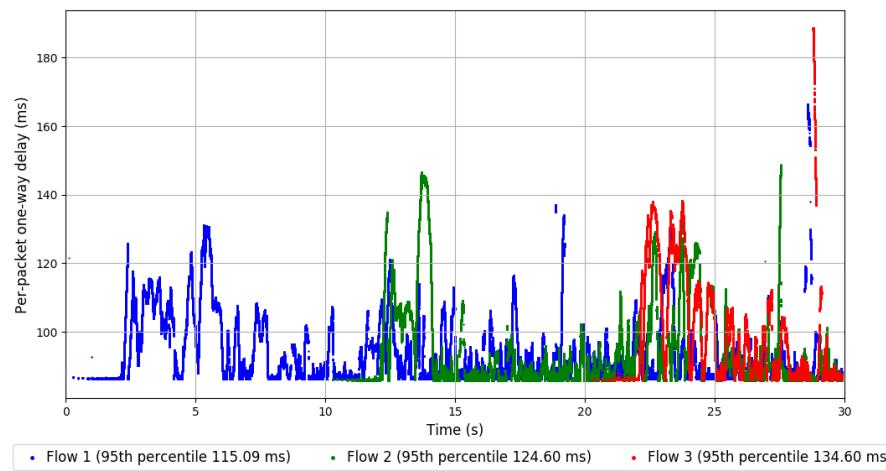
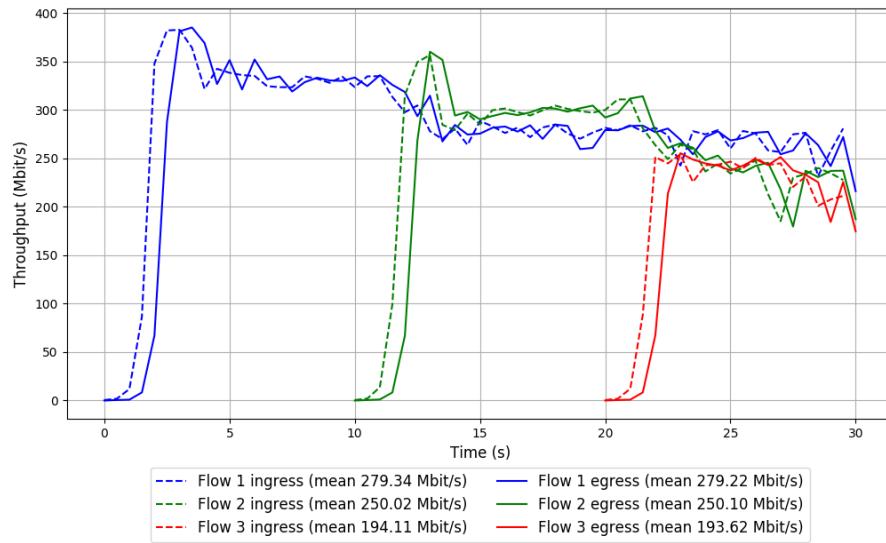


Run 5: Statistics of Copa

```
Start at: 2019-07-12 05:30:37
End at: 2019-07-12 05:31:07
Local clock offset: 0.142 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2019-07-12 06:37:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 509.13 Mbit/s
95th percentile per-packet one-way delay: 122.637 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 279.22 Mbit/s
95th percentile per-packet one-way delay: 115.090 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 250.10 Mbit/s
95th percentile per-packet one-way delay: 124.598 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 193.62 Mbit/s
95th percentile per-packet one-way delay: 134.597 ms
Loss rate: 1.97%
```

Run 5: Report of Copa — Data Link

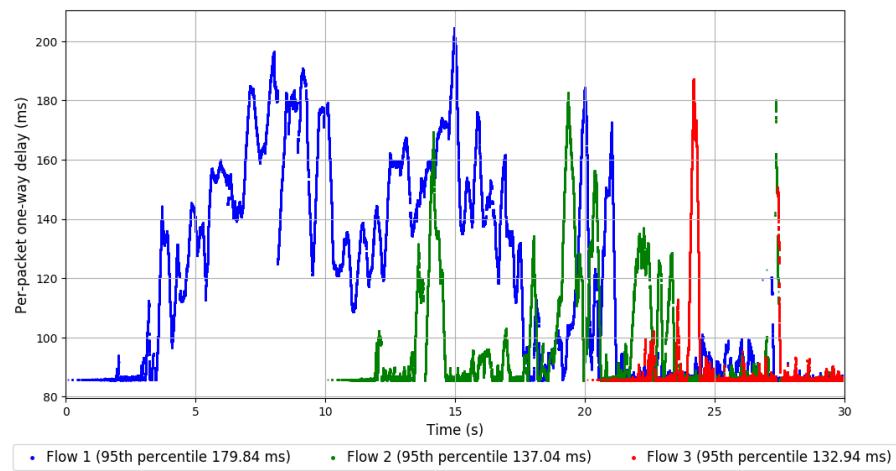
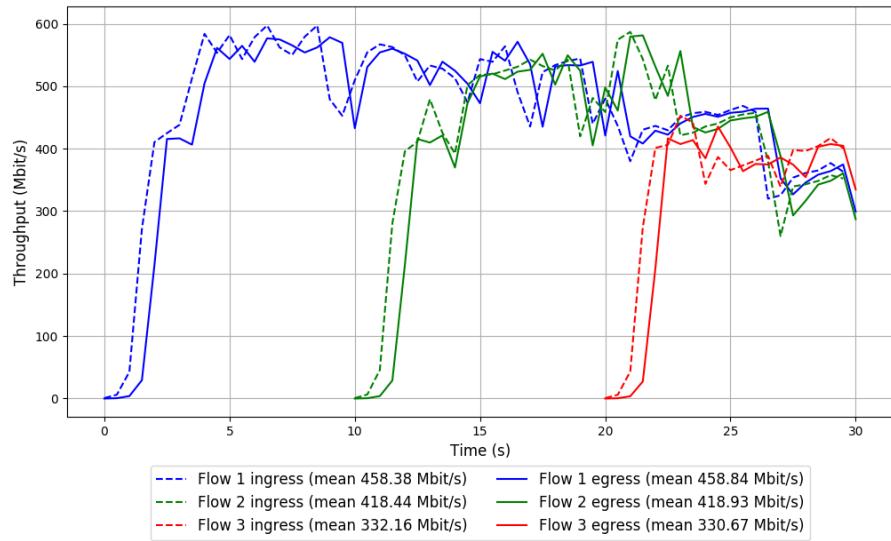


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-07-12 02:49:18
End at: 2019-07-12 02:49:48
Local clock offset: -0.274 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2019-07-12 06:37:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 845.77 Mbit/s
95th percentile per-packet one-way delay: 173.845 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 458.84 Mbit/s
95th percentile per-packet one-way delay: 179.835 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 418.93 Mbit/s
95th percentile per-packet one-way delay: 137.038 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 330.67 Mbit/s
95th percentile per-packet one-way delay: 132.940 ms
Loss rate: 2.16%
```

Run 1: Report of TCP Cubic — Data Link

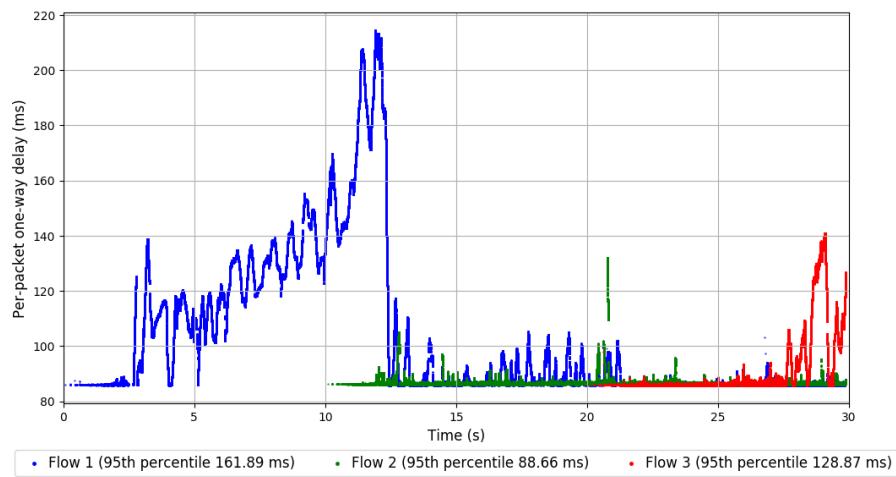
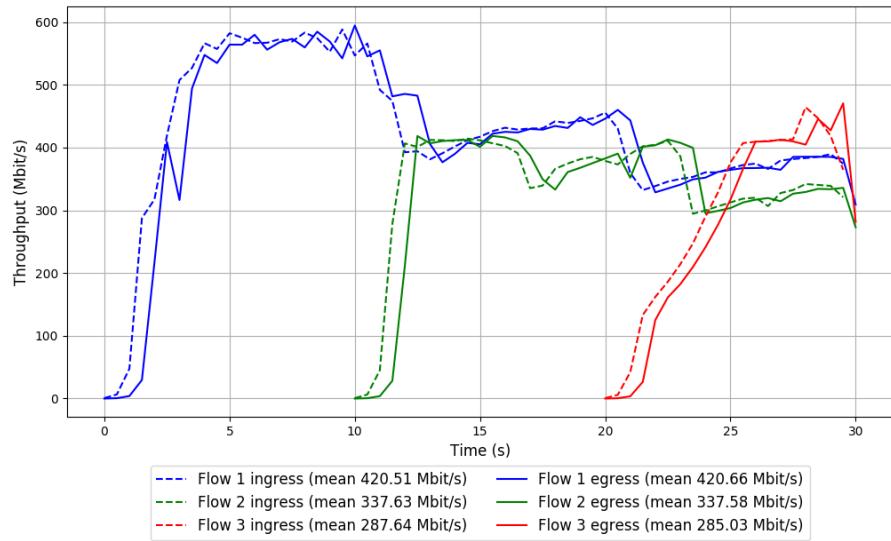


Run 2: Statistics of TCP Cubic

```
Start at: 2019-07-12 03:31:21
End at: 2019-07-12 03:31:51
Local clock offset: -0.179 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2019-07-12 06:37:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 738.49 Mbit/s
95th percentile per-packet one-way delay: 146.182 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 420.66 Mbit/s
95th percentile per-packet one-way delay: 161.886 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 337.58 Mbit/s
95th percentile per-packet one-way delay: 88.659 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 285.03 Mbit/s
95th percentile per-packet one-way delay: 128.873 ms
Loss rate: 2.62%
```

Run 2: Report of TCP Cubic — Data Link

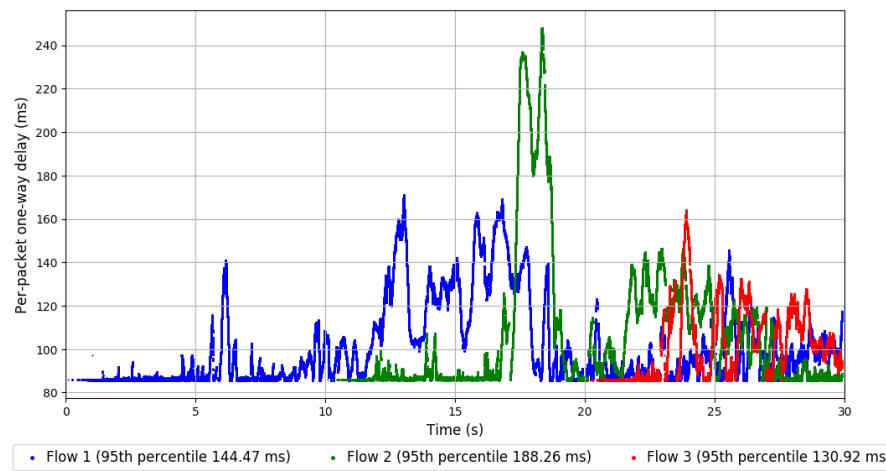
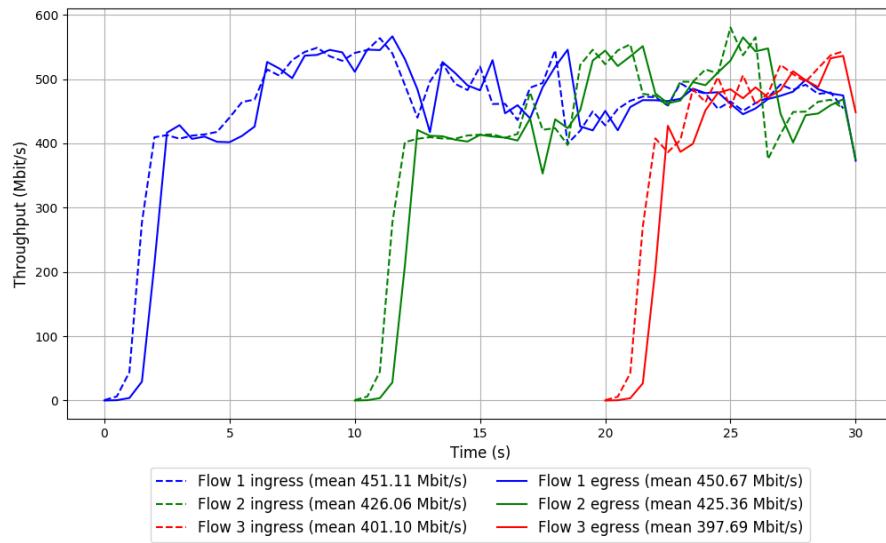


Run 3: Statistics of TCP Cubic

```
Start at: 2019-07-12 04:12:56
End at: 2019-07-12 04:13:26
Local clock offset: -0.061 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2019-07-12 06:37:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 863.78 Mbit/s
95th percentile per-packet one-way delay: 146.645 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 450.67 Mbit/s
95th percentile per-packet one-way delay: 144.466 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 425.36 Mbit/s
95th percentile per-packet one-way delay: 188.257 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 397.69 Mbit/s
95th percentile per-packet one-way delay: 130.917 ms
Loss rate: 2.56%
```

Run 3: Report of TCP Cubic — Data Link

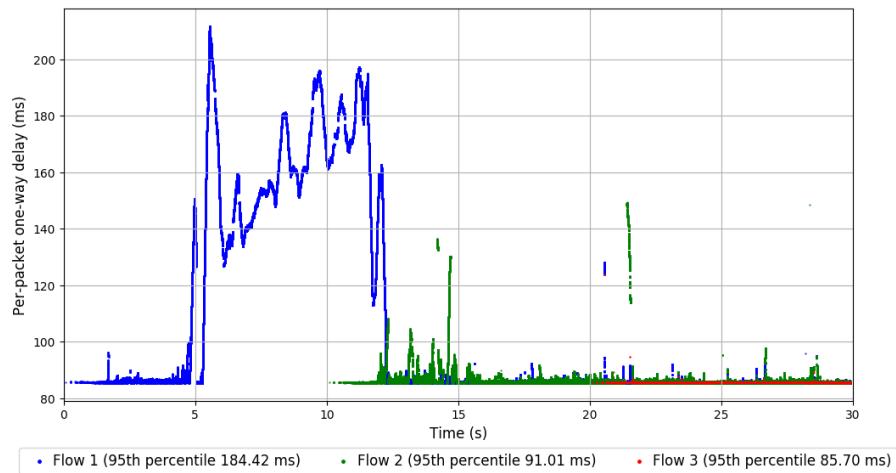
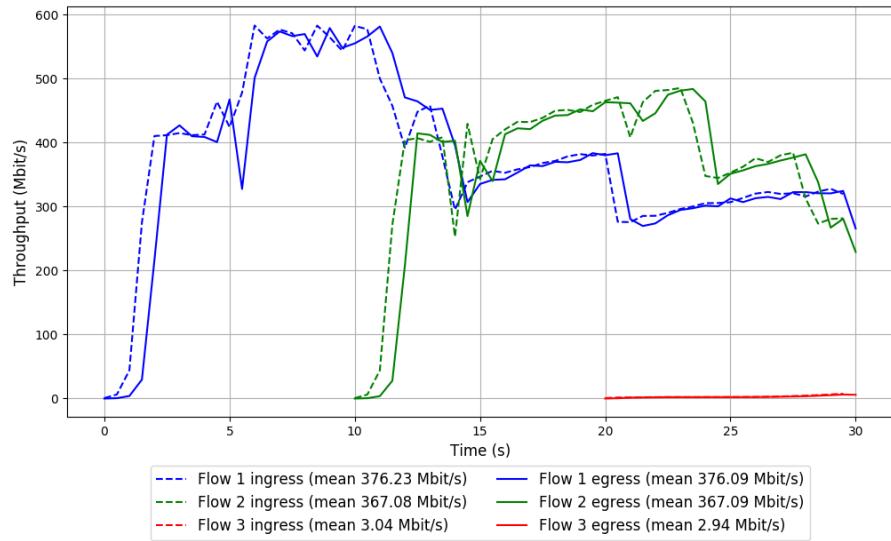


Run 4: Statistics of TCP Cubic

```
Start at: 2019-07-12 04:54:42
End at: 2019-07-12 04:55:12
Local clock offset: -0.176 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2019-07-12 06:37:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 620.84 Mbit/s
95th percentile per-packet one-way delay: 177.917 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 376.09 Mbit/s
95th percentile per-packet one-way delay: 184.419 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 367.09 Mbit/s
95th percentile per-packet one-way delay: 91.012 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 85.705 ms
Loss rate: 4.86%
```

Run 4: Report of TCP Cubic — Data Link

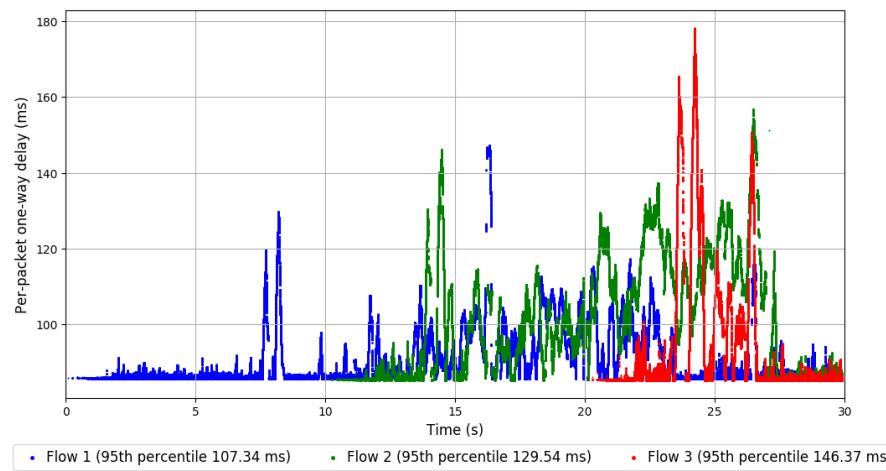
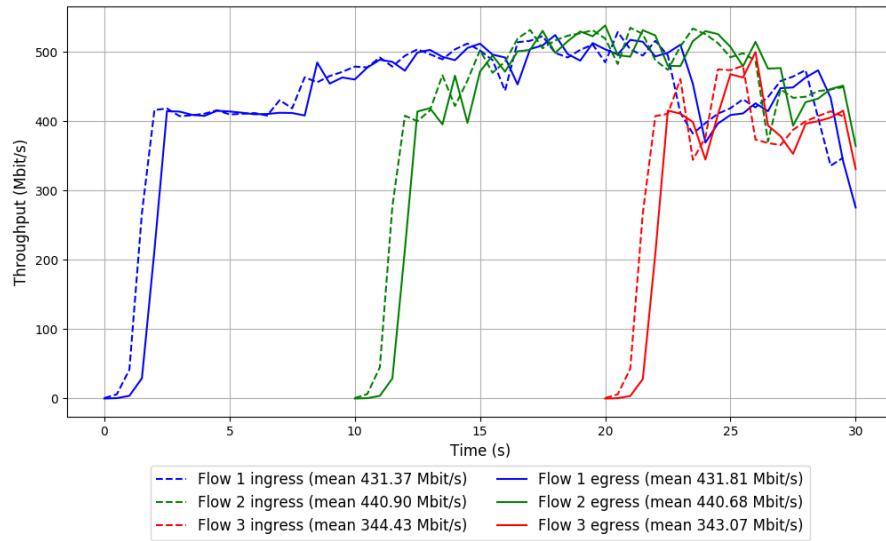


Run 5: Statistics of TCP Cubic

```
Start at: 2019-07-12 05:36:21
End at: 2019-07-12 05:36:51
Local clock offset: -0.484 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2019-07-12 06:37:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 837.34 Mbit/s
95th percentile per-packet one-way delay: 125.283 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 431.81 Mbit/s
95th percentile per-packet one-way delay: 107.343 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 440.68 Mbit/s
95th percentile per-packet one-way delay: 129.539 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 343.07 Mbit/s
95th percentile per-packet one-way delay: 146.368 ms
Loss rate: 2.11%
```

Run 5: Report of TCP Cubic — Data Link

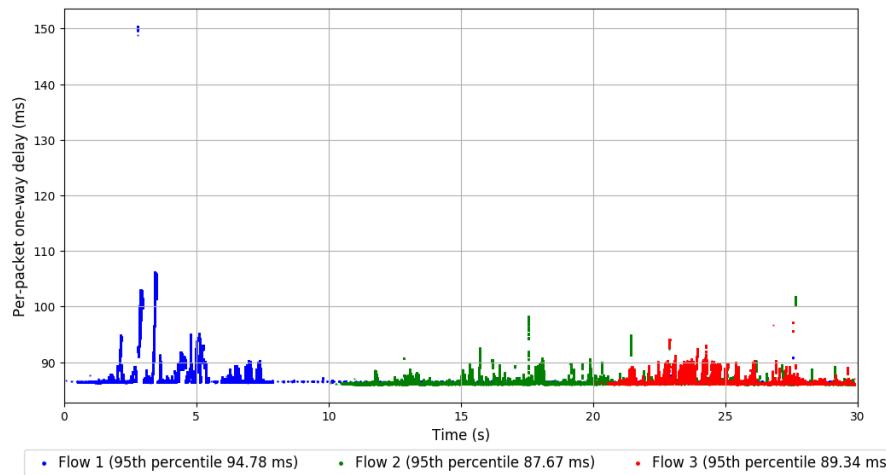
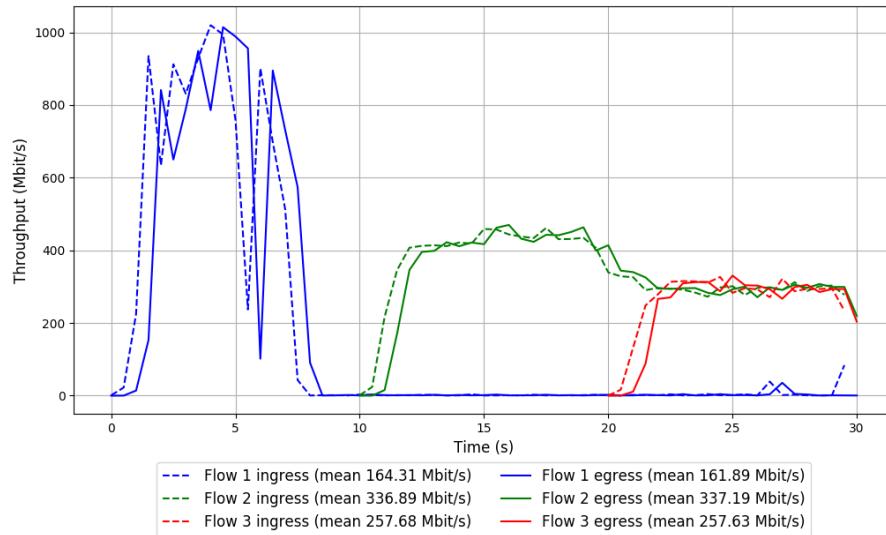


```
Run 1: Statistics of FillP

Start at: 2019-07-12 02:56:24
End at: 2019-07-12 02:56:54
Local clock offset: 0.223 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2019-07-12 06:37:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 470.10 Mbit/s
95th percentile per-packet one-way delay: 90.777 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 161.89 Mbit/s
95th percentile per-packet one-way delay: 94.782 ms
Loss rate: 2.08%
-- Flow 2:
Average throughput: 337.19 Mbit/s
95th percentile per-packet one-way delay: 87.673 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 257.63 Mbit/s
95th percentile per-packet one-way delay: 89.341 ms
Loss rate: 1.76%
```

Run 1: Report of FillP — Data Link

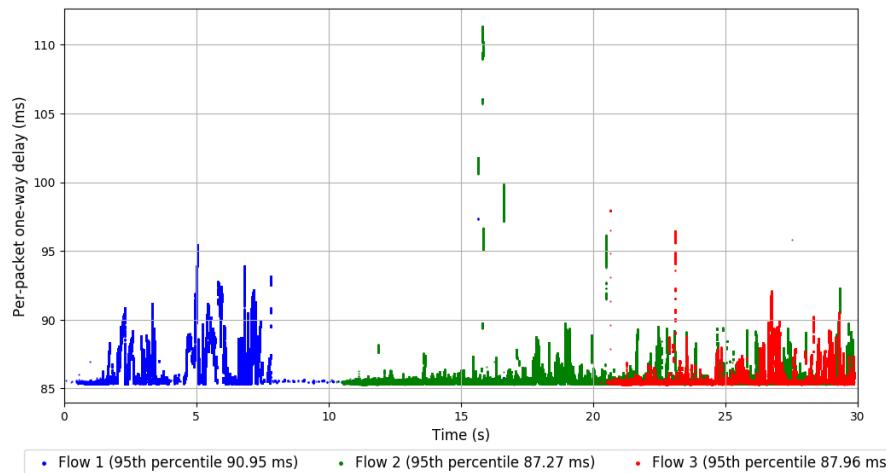
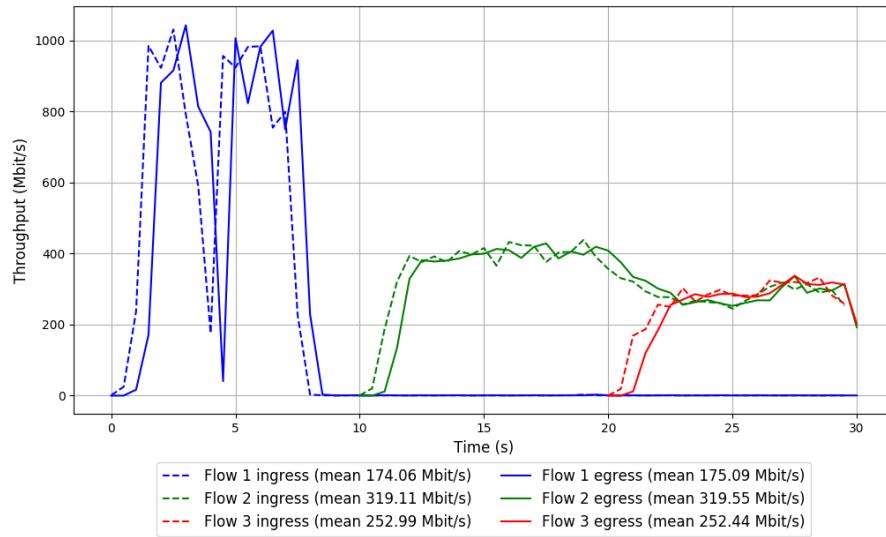


Run 2: Statistics of FillP

```
Start at: 2019-07-12 03:38:11
End at: 2019-07-12 03:38:41
Local clock offset: -0.567 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2019-07-12 06:42:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 469.79 Mbit/s
95th percentile per-packet one-way delay: 89.450 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 175.09 Mbit/s
95th percentile per-packet one-way delay: 90.953 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 319.55 Mbit/s
95th percentile per-packet one-way delay: 87.272 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 252.44 Mbit/s
95th percentile per-packet one-way delay: 87.960 ms
Loss rate: 1.95%
```

Run 2: Report of FillP — Data Link

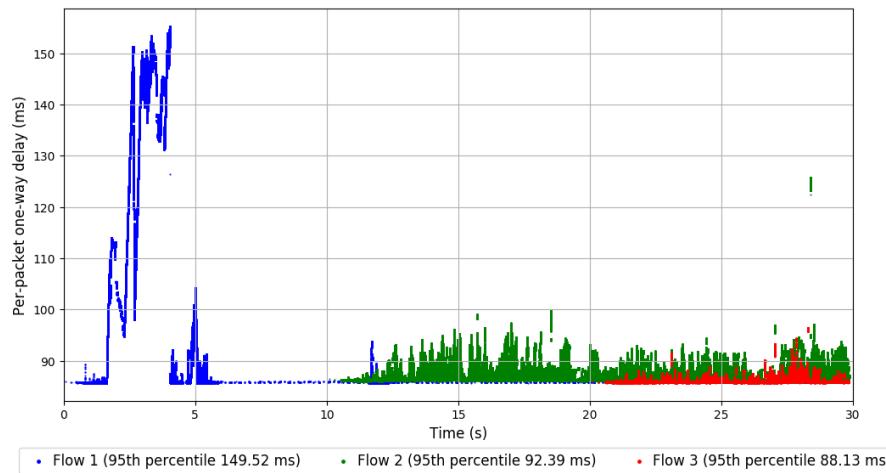
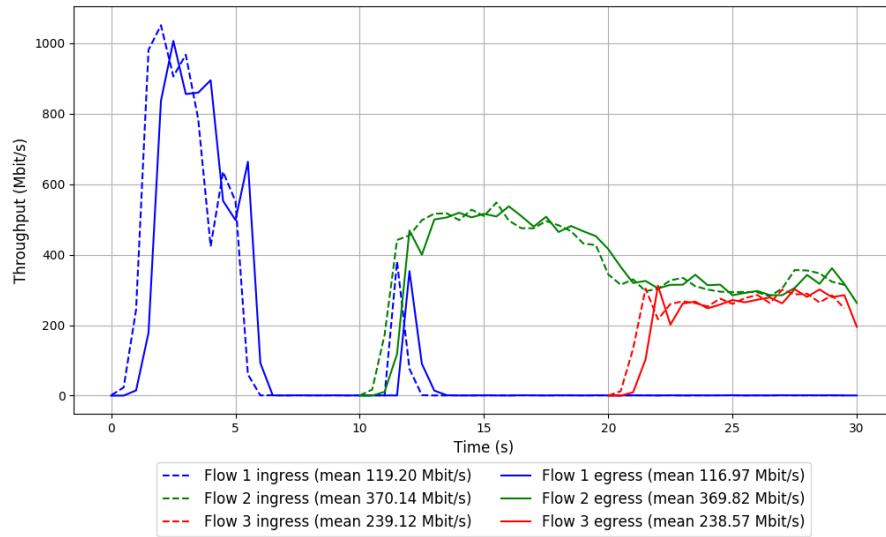


Run 3: Statistics of FillP

```
Start at: 2019-07-12 04:19:58
End at: 2019-07-12 04:20:28
Local clock offset: -0.03 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2019-07-12 06:42:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 440.14 Mbit/s
95th percentile per-packet one-way delay: 143.638 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 116.97 Mbit/s
95th percentile per-packet one-way delay: 149.517 ms
Loss rate: 2.46%
-- Flow 2:
Average throughput: 369.82 Mbit/s
95th percentile per-packet one-way delay: 92.395 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 238.57 Mbit/s
95th percentile per-packet one-way delay: 88.131 ms
Loss rate: 1.95%
```

Run 3: Report of FillP — Data Link

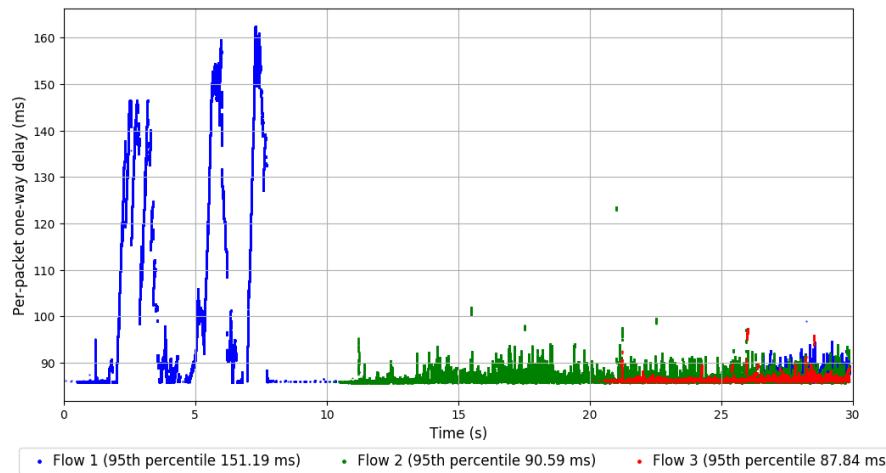
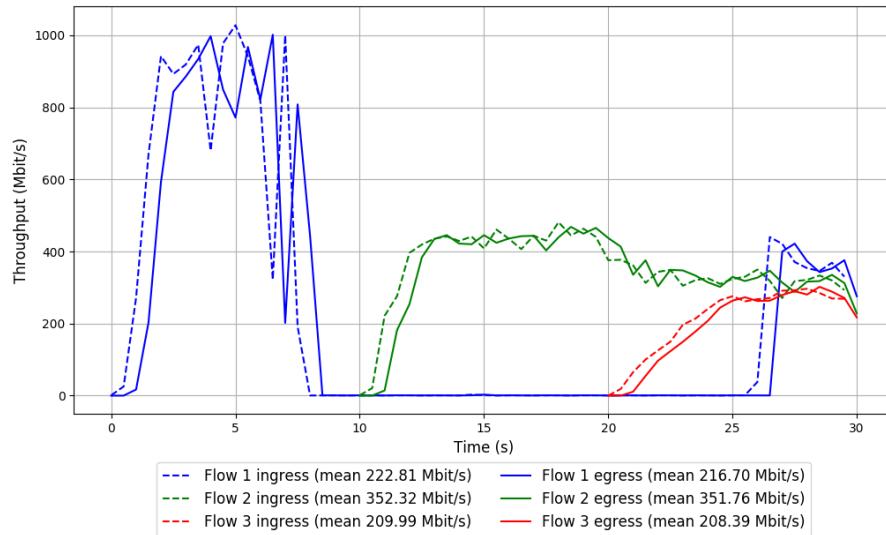


Run 4: Statistics of FillP

```
Start at: 2019-07-12 05:01:35
End at: 2019-07-12 05:02:05
Local clock offset: 0.181 ms
Remote clock offset: -0.0 ms

# Below is generated by plot.py at 2019-07-12 06:45:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 518.38 Mbit/s
95th percentile per-packet one-way delay: 142.472 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 216.70 Mbit/s
95th percentile per-packet one-way delay: 151.192 ms
Loss rate: 3.31%
-- Flow 2:
Average throughput: 351.76 Mbit/s
95th percentile per-packet one-way delay: 90.589 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 208.39 Mbit/s
95th percentile per-packet one-way delay: 87.836 ms
Loss rate: 2.38%
```

Run 4: Report of FillP — Data Link

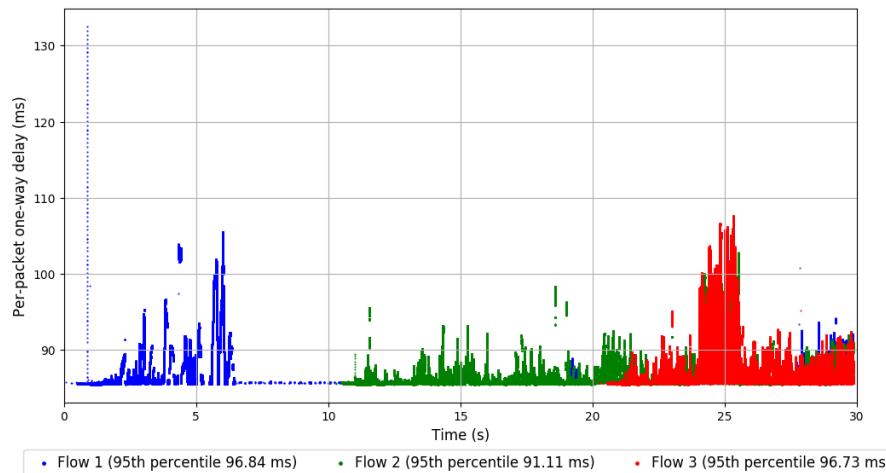
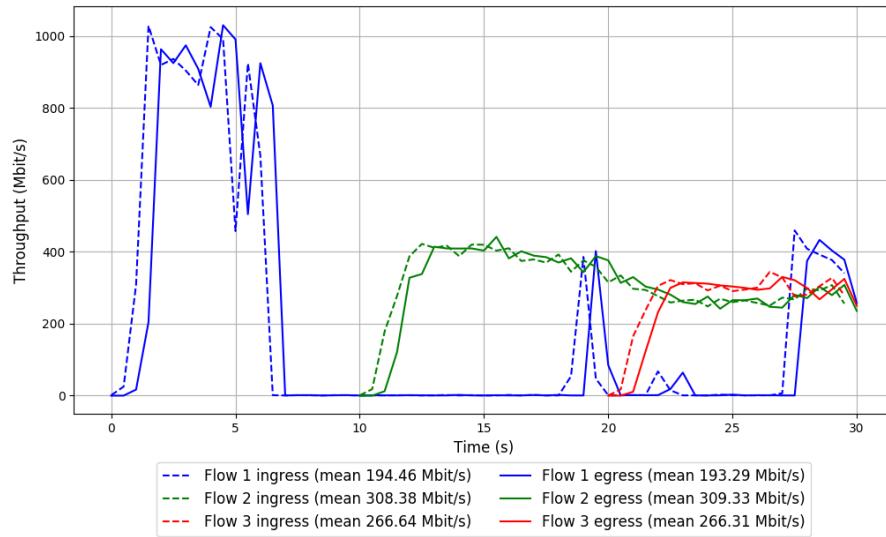


Run 5: Statistics of FillP

```
Start at: 2019-07-12 05:43:25
End at: 2019-07-12 05:43:55
Local clock offset: -0.333 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2019-07-12 06:46:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 485.77 Mbit/s
95th percentile per-packet one-way delay: 94.690 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 193.29 Mbit/s
95th percentile per-packet one-way delay: 96.841 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 309.33 Mbit/s
95th percentile per-packet one-way delay: 91.114 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 266.31 Mbit/s
95th percentile per-packet one-way delay: 96.735 ms
Loss rate: 1.86%
```

Run 5: Report of FillP — Data Link

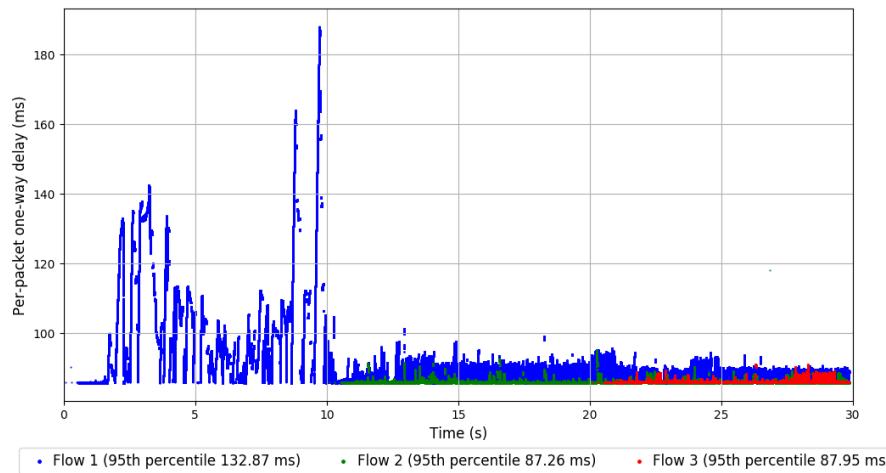
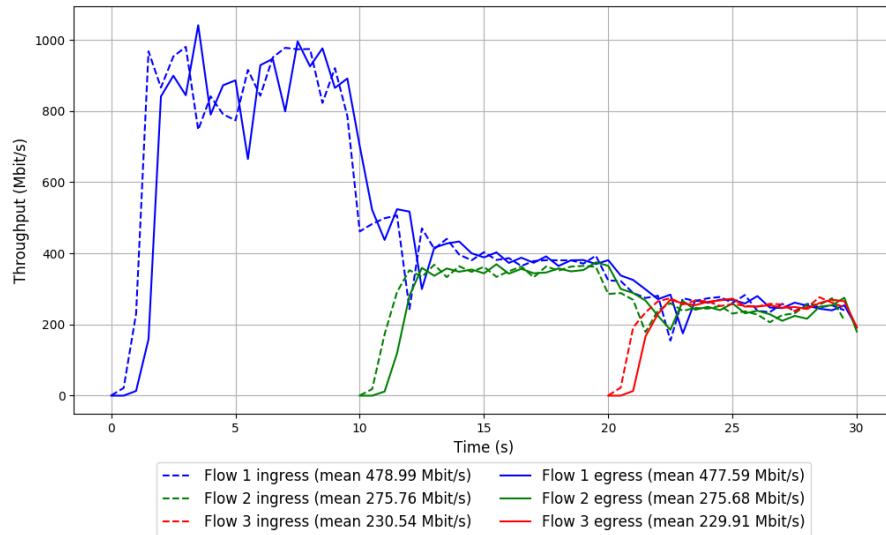


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-07-12 02:32:46
End at: 2019-07-12 02:33:16
Local clock offset: -0.02 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2019-07-12 06:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 735.81 Mbit/s
95th percentile per-packet one-way delay: 127.611 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 477.59 Mbit/s
95th percentile per-packet one-way delay: 132.867 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 275.68 Mbit/s
95th percentile per-packet one-way delay: 87.262 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 229.91 Mbit/s
95th percentile per-packet one-way delay: 87.952 ms
Loss rate: 2.09%
```

Run 1: Report of FillP-Sheep — Data Link

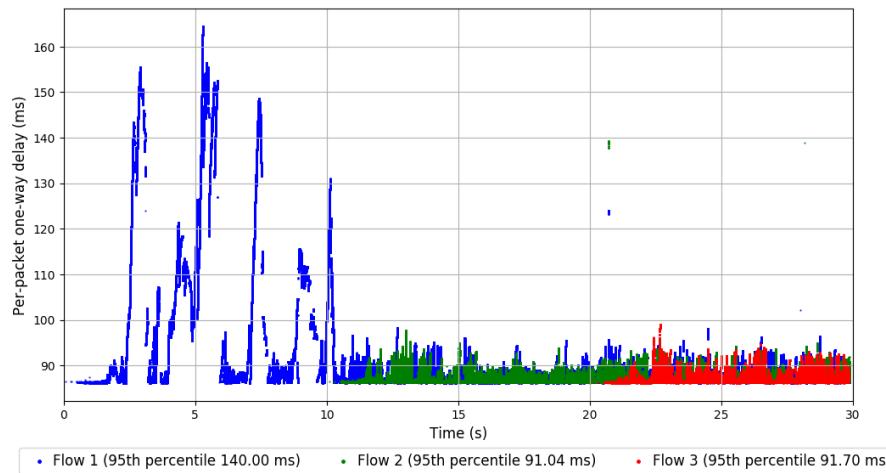
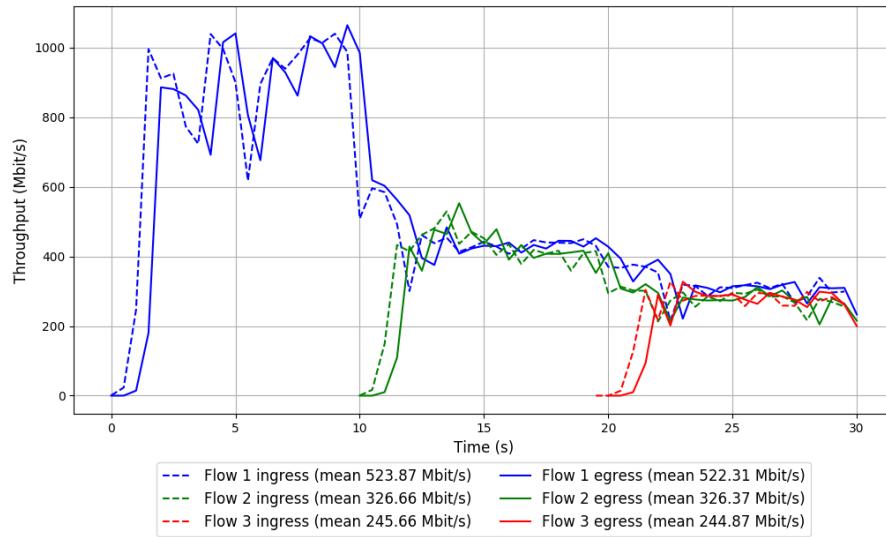


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-07-12 03:14:42
End at: 2019-07-12 03:15:12
Local clock offset: 0.296 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2019-07-12 06:54:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 819.43 Mbit/s
95th percentile per-packet one-way delay: 126.853 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 522.31 Mbit/s
95th percentile per-packet one-way delay: 140.003 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 326.37 Mbit/s
95th percentile per-packet one-way delay: 91.044 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 244.87 Mbit/s
95th percentile per-packet one-way delay: 91.702 ms
Loss rate: 2.08%
```

Run 2: Report of FillP-Sheep — Data Link

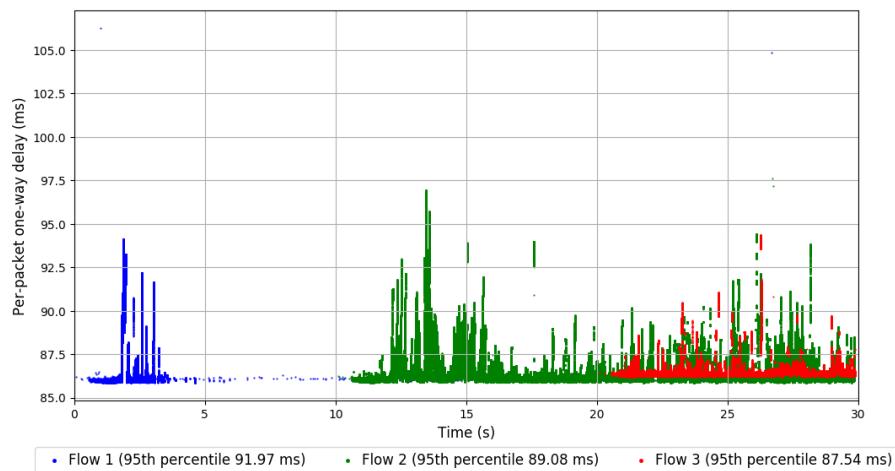
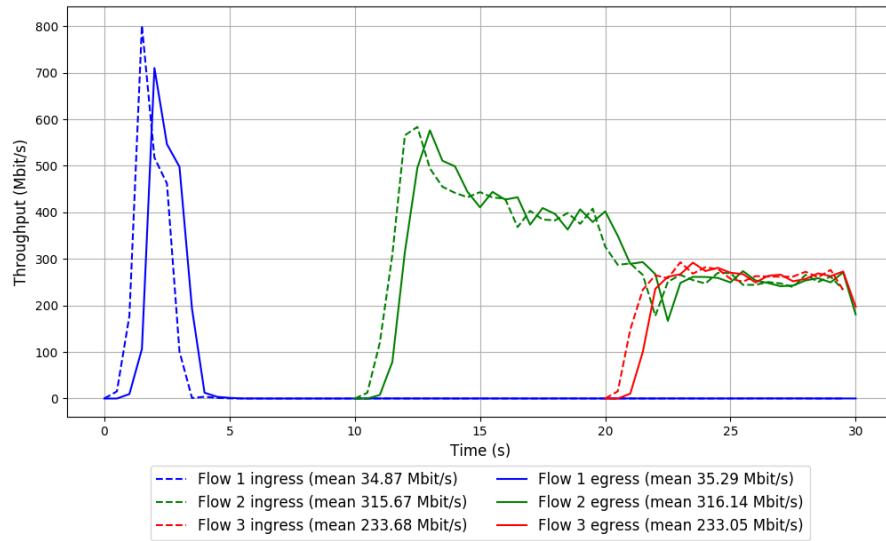


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-07-12 03:56:49
End at: 2019-07-12 03:57:19
Local clock offset: 0.028 ms
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2019-07-12 06:54:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 321.11 Mbit/s
95th percentile per-packet one-way delay: 89.293 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 91.967 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 316.14 Mbit/s
95th percentile per-packet one-way delay: 89.084 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 233.05 Mbit/s
95th percentile per-packet one-way delay: 87.536 ms
Loss rate: 1.99%
```

Run 3: Report of FillP-Sheep — Data Link

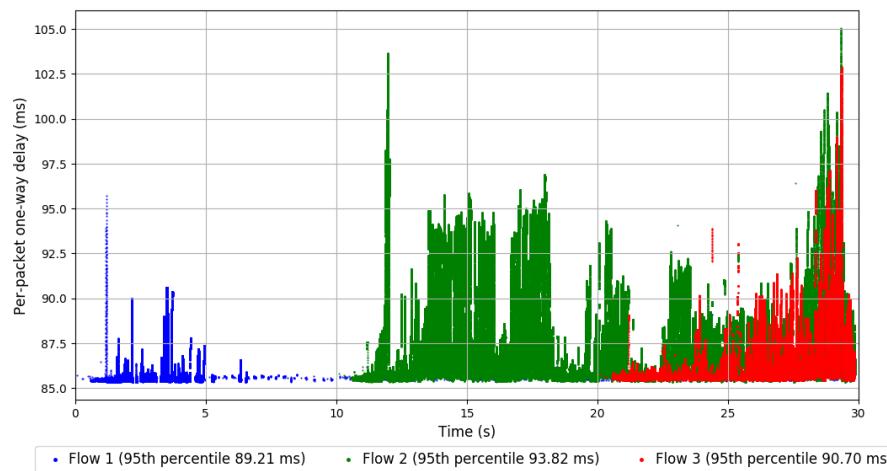
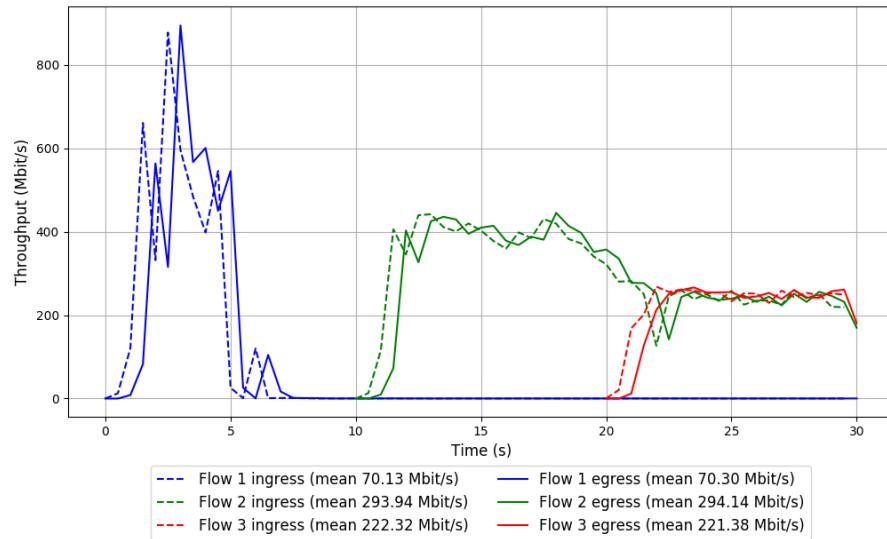


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-07-12 04:38:25
End at: 2019-07-12 04:38:55
Local clock offset: -0.264 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2019-07-12 06:54:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 337.96 Mbit/s
95th percentile per-packet one-way delay: 93.152 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 70.30 Mbit/s
95th percentile per-packet one-way delay: 89.208 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 294.14 Mbit/s
95th percentile per-packet one-way delay: 93.818 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 221.38 Mbit/s
95th percentile per-packet one-way delay: 90.702 ms
Loss rate: 2.21%
```

Run 4: Report of FillP-Sheep — Data Link

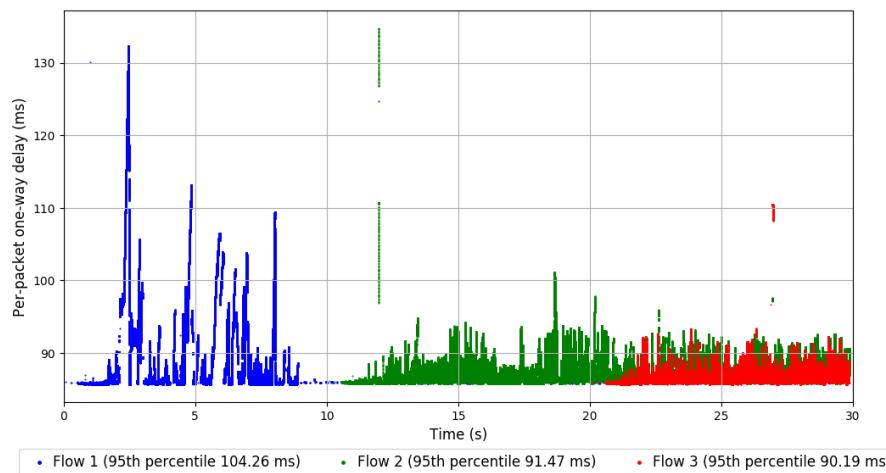
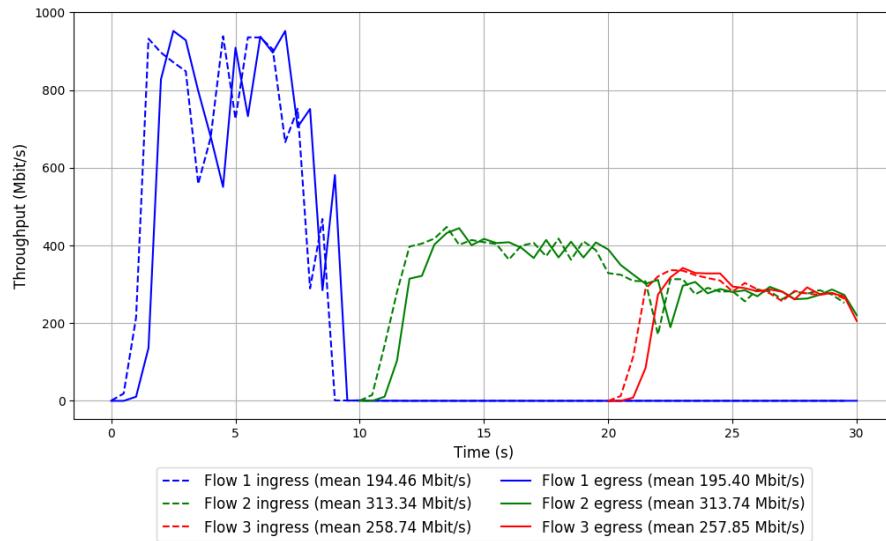


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-07-12 05:20:14
End at: 2019-07-12 05:20:44
Local clock offset: 0.12 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2019-07-12 06:54:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 488.04 Mbit/s
95th percentile per-packet one-way delay: 99.029 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 195.40 Mbit/s
95th percentile per-packet one-way delay: 104.262 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 313.74 Mbit/s
95th percentile per-packet one-way delay: 91.469 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 257.85 Mbit/s
95th percentile per-packet one-way delay: 90.193 ms
Loss rate: 2.13%
```

Run 5: Report of FillP-Sheep — Data Link

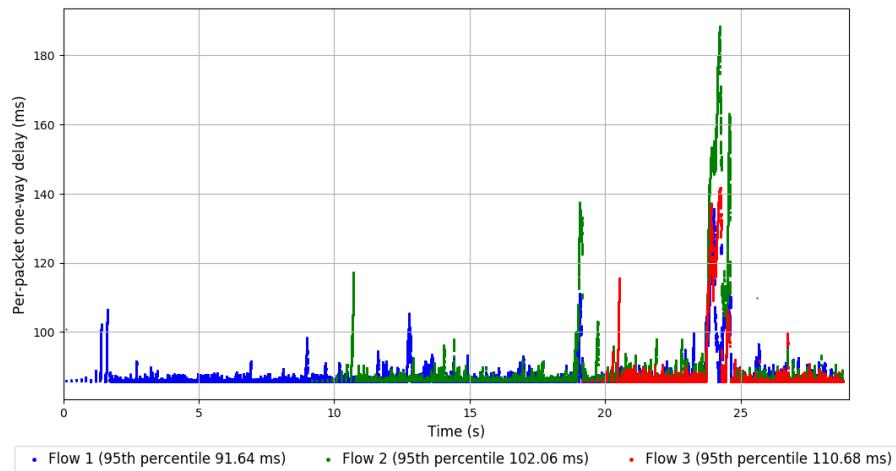
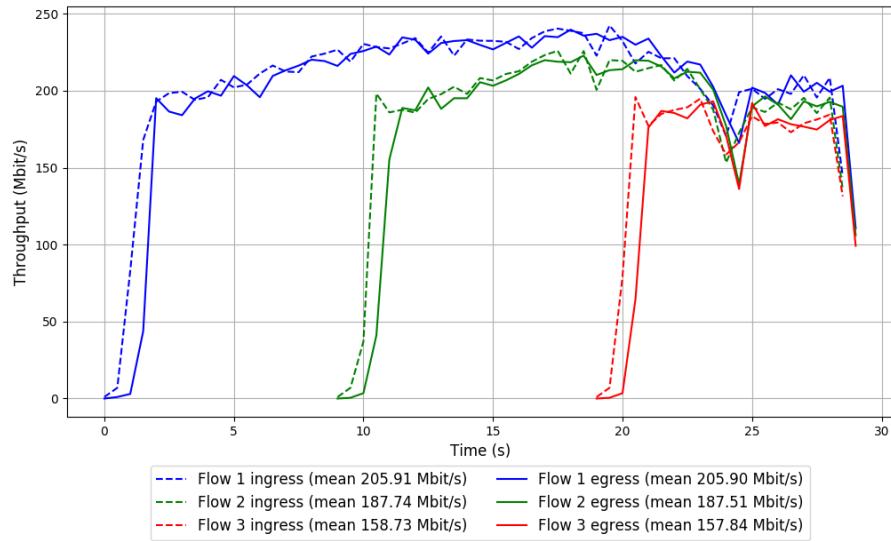


Run 1: Statistics of Indigo

```
Start at: 2019-07-12 02:58:01
End at: 2019-07-12 02:58:31
Local clock offset: -0.057 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2019-07-12 06:56:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 387.01 Mbit/s
95th percentile per-packet one-way delay: 96.078 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 205.90 Mbit/s
95th percentile per-packet one-way delay: 91.644 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 187.51 Mbit/s
95th percentile per-packet one-way delay: 102.062 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 157.84 Mbit/s
95th percentile per-packet one-way delay: 110.679 ms
Loss rate: 2.30%
```

Run 1: Report of Indigo — Data Link

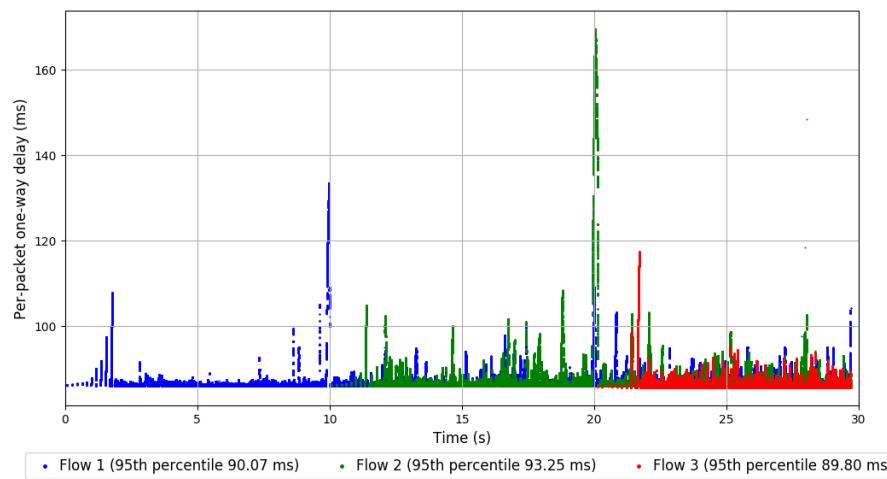
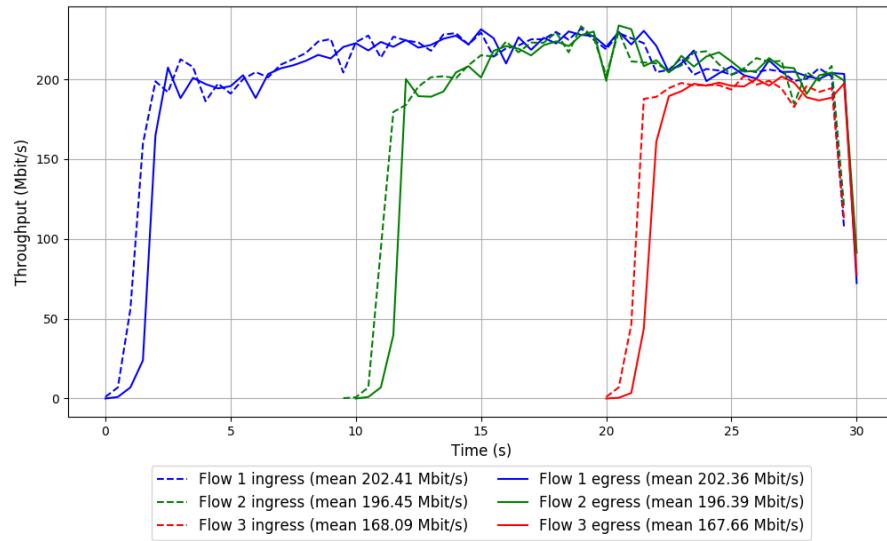


Run 2: Statistics of Indigo

```
Start at: 2019-07-12 03:39:47
End at: 2019-07-12 03:40:17
Local clock offset: -0.147 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2019-07-12 06:57:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 386.55 Mbit/s
95th percentile per-packet one-way delay: 90.909 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 202.36 Mbit/s
95th percentile per-packet one-way delay: 90.073 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 196.39 Mbit/s
95th percentile per-packet one-way delay: 93.249 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 167.66 Mbit/s
95th percentile per-packet one-way delay: 89.797 ms
Loss rate: 2.03%
```

Run 2: Report of Indigo — Data Link

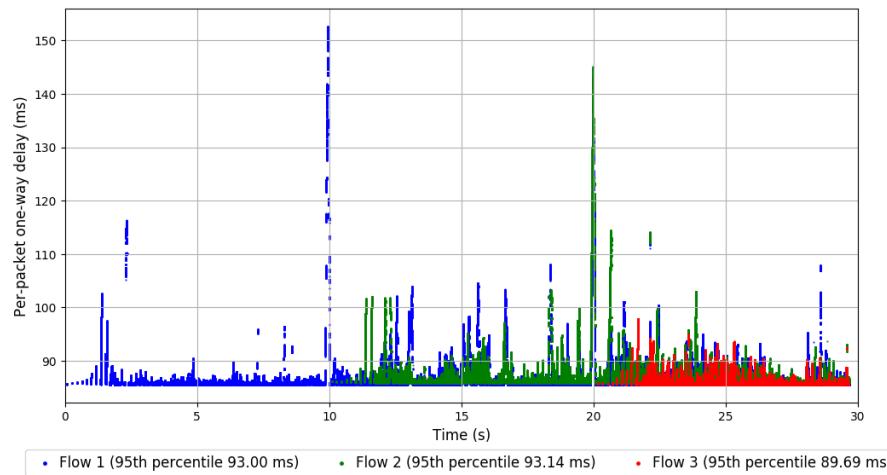
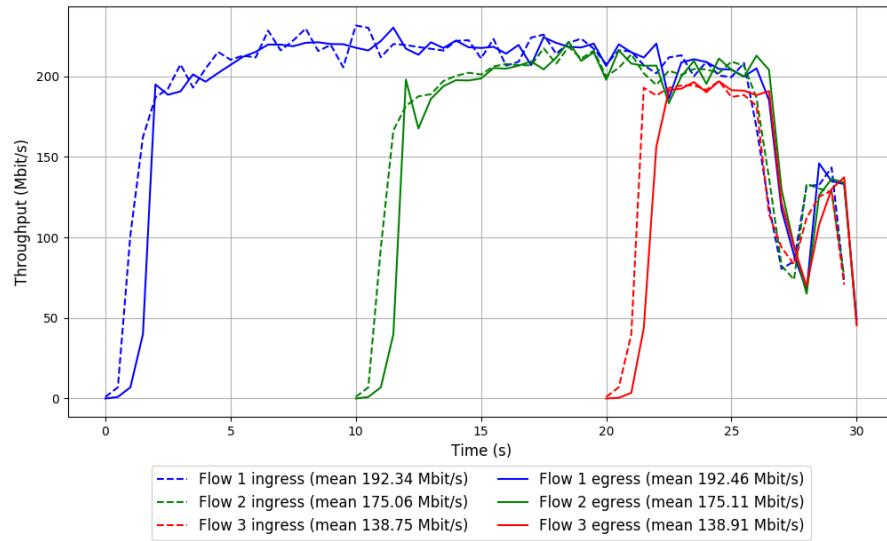


Run 3: Statistics of Indigo

```
Start at: 2019-07-12 04:21:34
End at: 2019-07-12 04:22:04
Local clock offset: -0.191 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2019-07-12 06:58:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 352.94 Mbit/s
95th percentile per-packet one-way delay: 92.397 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 192.46 Mbit/s
95th percentile per-packet one-way delay: 93.000 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 175.11 Mbit/s
95th percentile per-packet one-way delay: 93.137 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 138.91 Mbit/s
95th percentile per-packet one-way delay: 89.690 ms
Loss rate: 1.69%
```

Run 3: Report of Indigo — Data Link

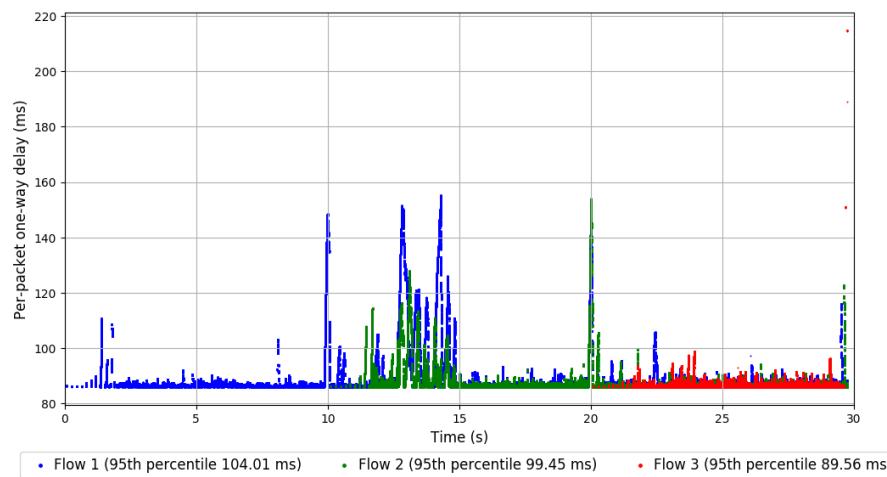
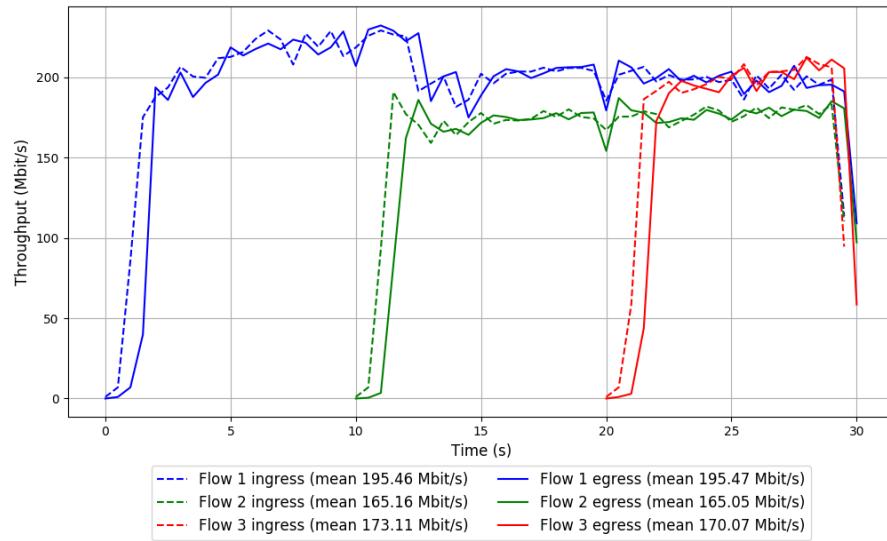


Run 4: Statistics of Indigo

```
Start at: 2019-07-12 05:03:15
End at: 2019-07-12 05:03:45
Local clock offset: 0.467 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2019-07-12 06:59:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 359.98 Mbit/s
95th percentile per-packet one-way delay: 98.715 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 195.47 Mbit/s
95th percentile per-packet one-way delay: 104.009 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 165.05 Mbit/s
95th percentile per-packet one-way delay: 99.451 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 170.07 Mbit/s
95th percentile per-packet one-way delay: 89.562 ms
Loss rate: 2.20%
```

Run 4: Report of Indigo — Data Link

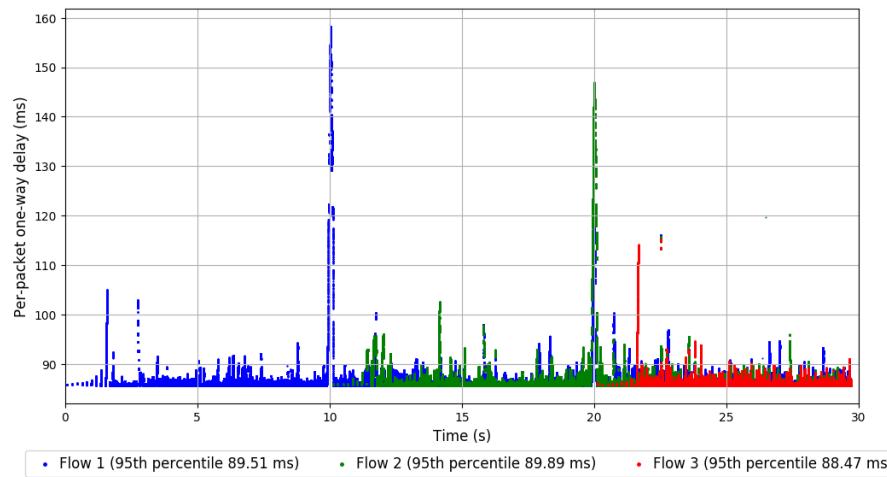
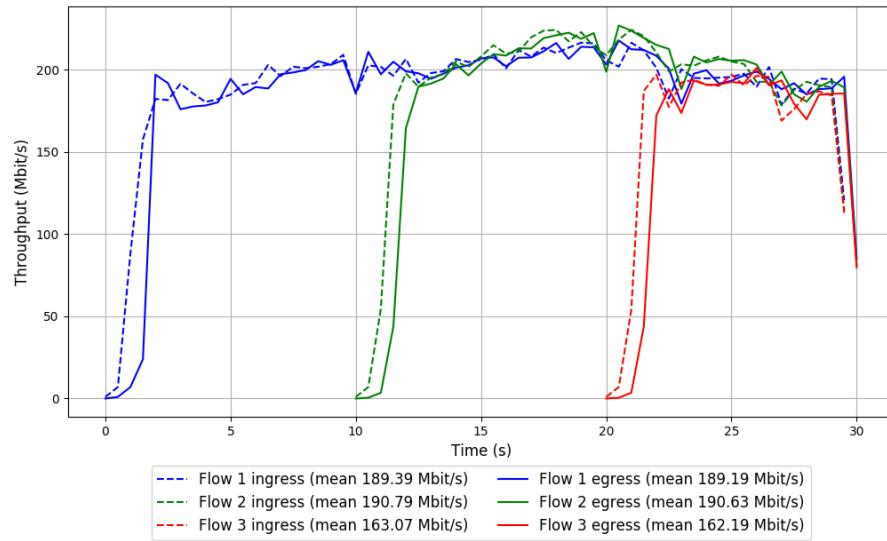


Run 5: Statistics of Indigo

```
Start at: 2019-07-12 05:45:04
End at: 2019-07-12 05:45:34
Local clock offset: -0.098 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2019-07-12 07:00:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 367.65 Mbit/s
95th percentile per-packet one-way delay: 89.441 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 189.19 Mbit/s
95th percentile per-packet one-way delay: 89.510 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 190.63 Mbit/s
95th percentile per-packet one-way delay: 89.888 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 162.19 Mbit/s
95th percentile per-packet one-way delay: 88.474 ms
Loss rate: 2.30%
```

Run 5: Report of Indigo — Data Link

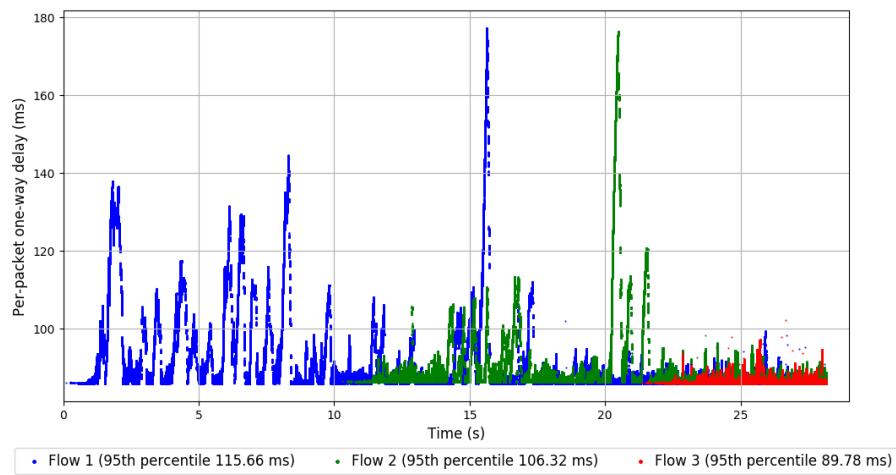
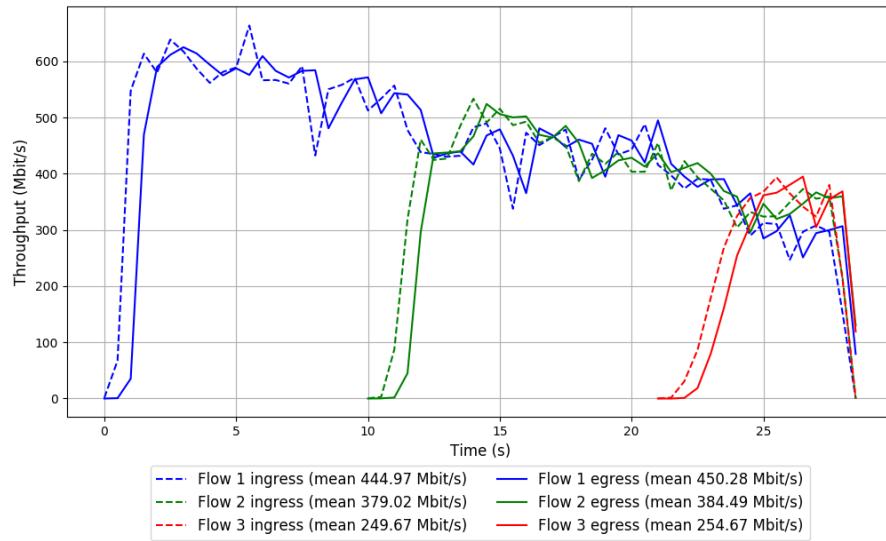


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 02:30:52
End at: 2019-07-12 02:31:22
Local clock offset: 0.1 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2019-07-12 07:06:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 756.59 Mbit/s
95th percentile per-packet one-way delay: 111.340 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 450.28 Mbit/s
95th percentile per-packet one-way delay: 115.660 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 384.49 Mbit/s
95th percentile per-packet one-way delay: 106.317 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 254.67 Mbit/s
95th percentile per-packet one-way delay: 89.780 ms
Loss rate: 4.34%
```

Run 1: Report of Indigo-MusesC3 — Data Link

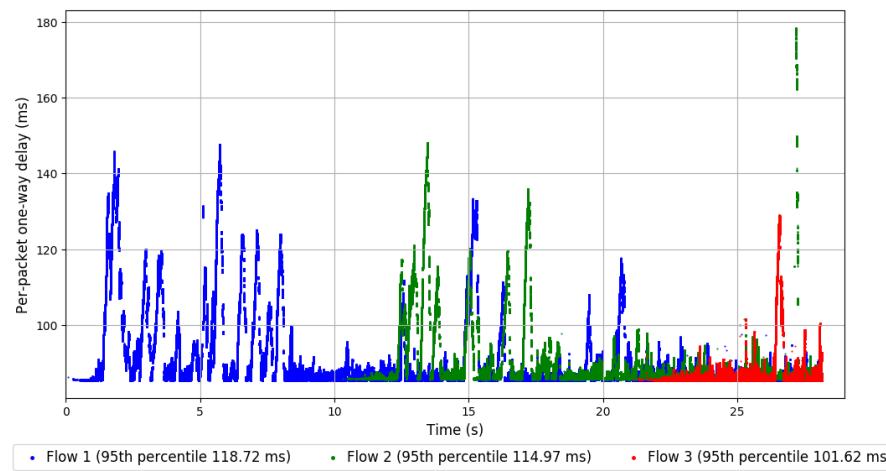
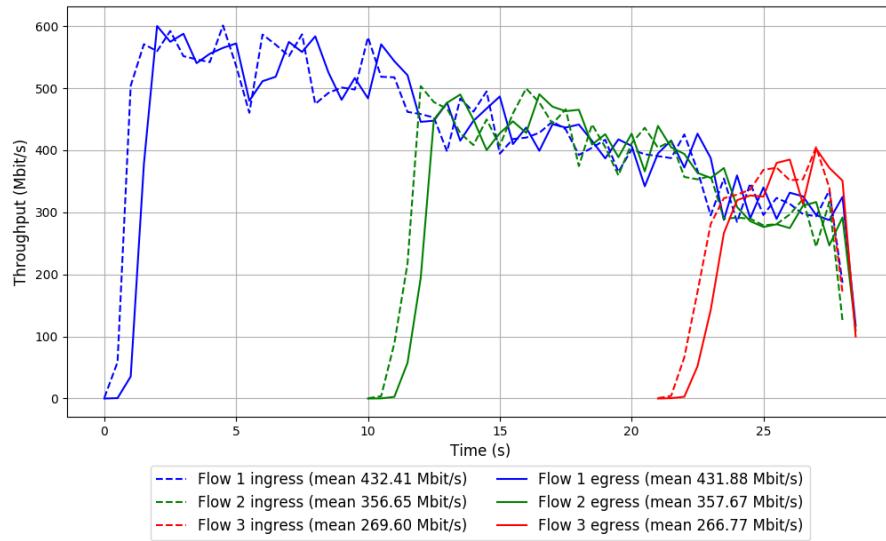


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 03:12:49
End at: 2019-07-12 03:13:19
Local clock offset: -0.538 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2019-07-12 07:07:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 725.75 Mbit/s
95th percentile per-packet one-way delay: 116.811 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 431.88 Mbit/s
95th percentile per-packet one-way delay: 118.720 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 357.67 Mbit/s
95th percentile per-packet one-way delay: 114.968 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 266.77 Mbit/s
95th percentile per-packet one-way delay: 101.622 ms
Loss rate: 3.43%
```

Run 2: Report of Indigo-MusesC3 — Data Link

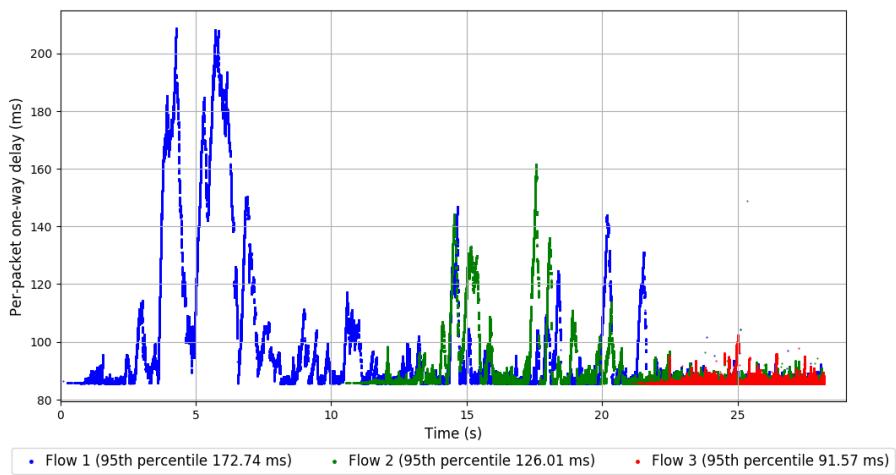
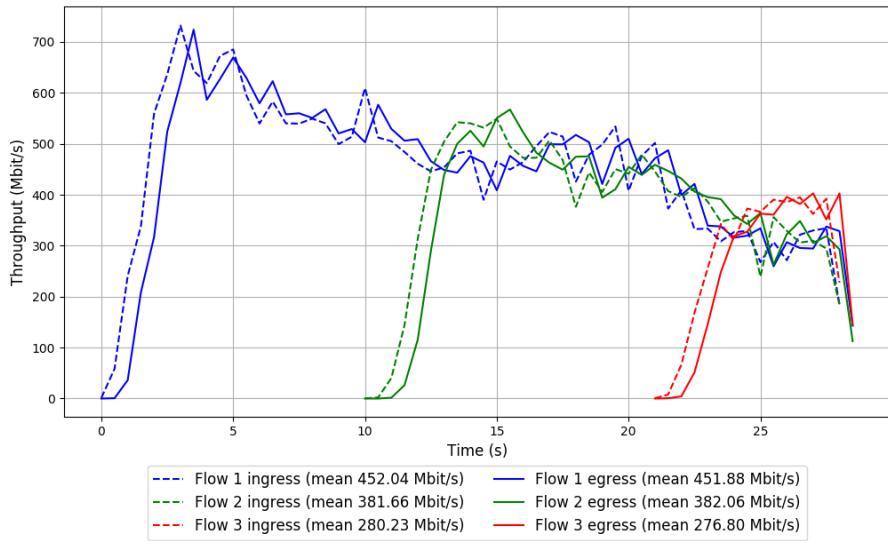


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 03:54:55
End at: 2019-07-12 03:55:25
Local clock offset: -0.259 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2019-07-12 07:09:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 763.65 Mbit/s
95th percentile per-packet one-way delay: 150.330 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 451.88 Mbit/s
95th percentile per-packet one-way delay: 172.742 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 382.06 Mbit/s
95th percentile per-packet one-way delay: 126.009 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 276.80 Mbit/s
95th percentile per-packet one-way delay: 91.573 ms
Loss rate: 3.58%
```

Run 3: Report of Indigo-MusesC3 — Data Link

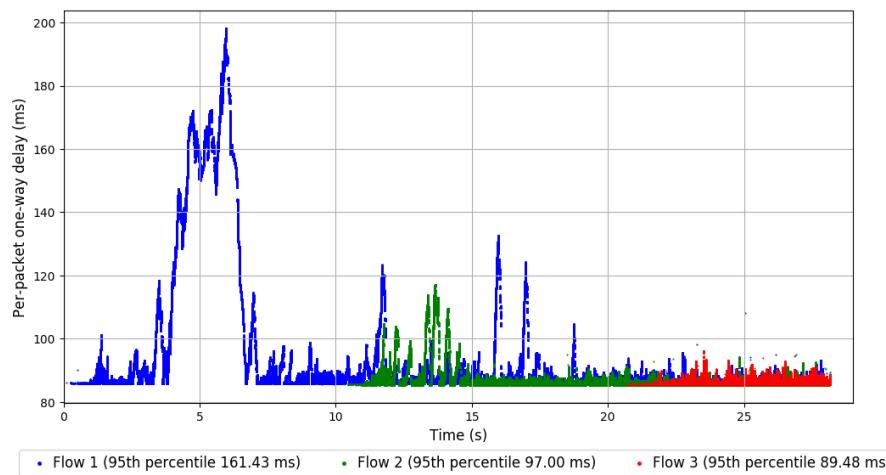
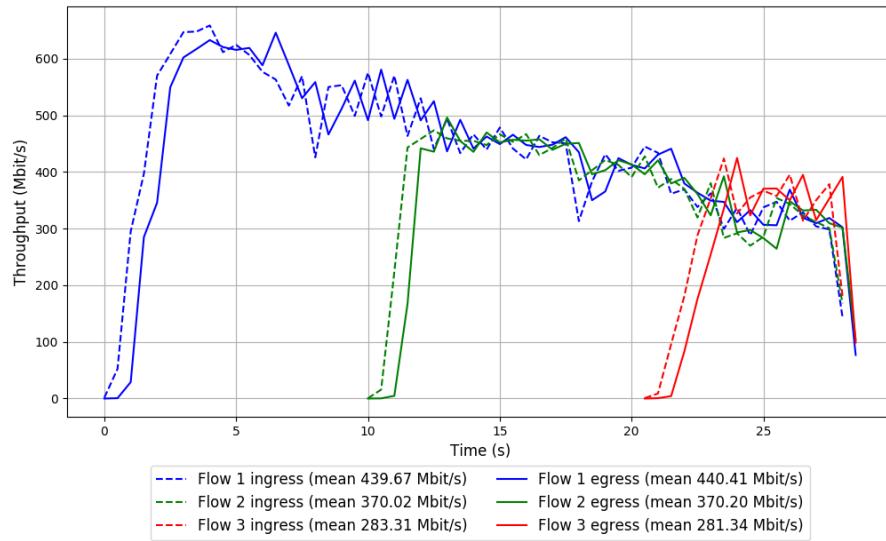


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 04:36:31
End at: 2019-07-12 04:37:01
Local clock offset: -0.219 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2019-07-12 07:10:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 751.48 Mbit/s
95th percentile per-packet one-way delay: 151.659 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 440.41 Mbit/s
95th percentile per-packet one-way delay: 161.432 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 370.20 Mbit/s
95th percentile per-packet one-way delay: 97.005 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 281.34 Mbit/s
95th percentile per-packet one-way delay: 89.477 ms
Loss rate: 2.98%
```

Run 4: Report of Indigo-MusesC3 — Data Link

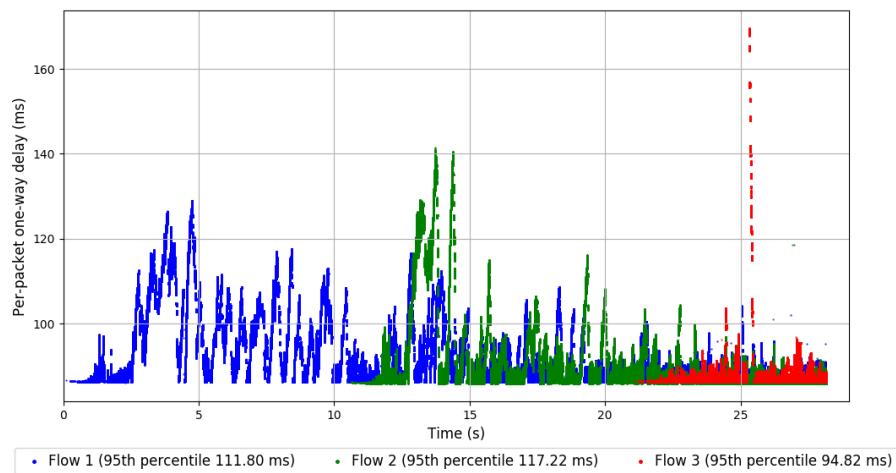
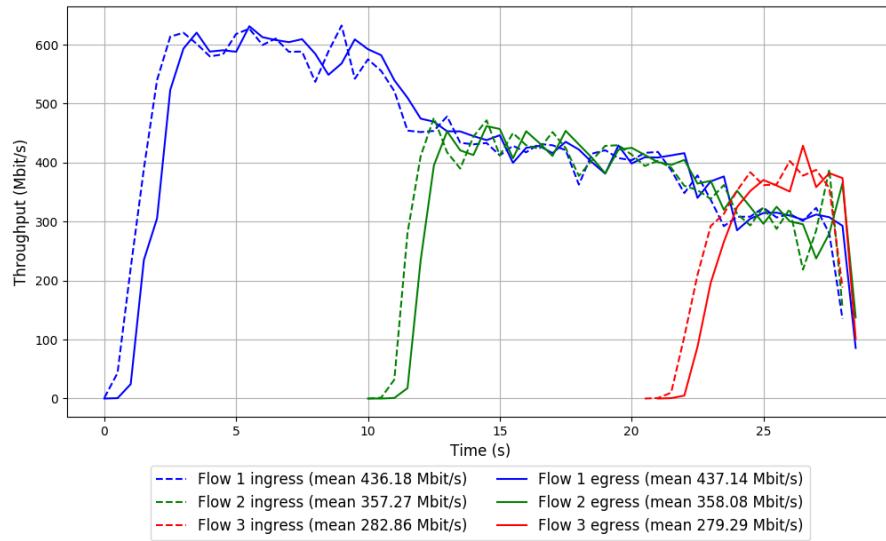


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 05:18:20
End at: 2019-07-12 05:18:50
Local clock offset: 0.296 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2019-07-12 07:11:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 733.08 Mbit/s
95th percentile per-packet one-way delay: 112.642 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 437.14 Mbit/s
95th percentile per-packet one-way delay: 111.799 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 358.08 Mbit/s
95th percentile per-packet one-way delay: 117.220 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 279.29 Mbit/s
95th percentile per-packet one-way delay: 94.822 ms
Loss rate: 3.58%
```

Run 5: Report of Indigo-MusesC3 — Data Link

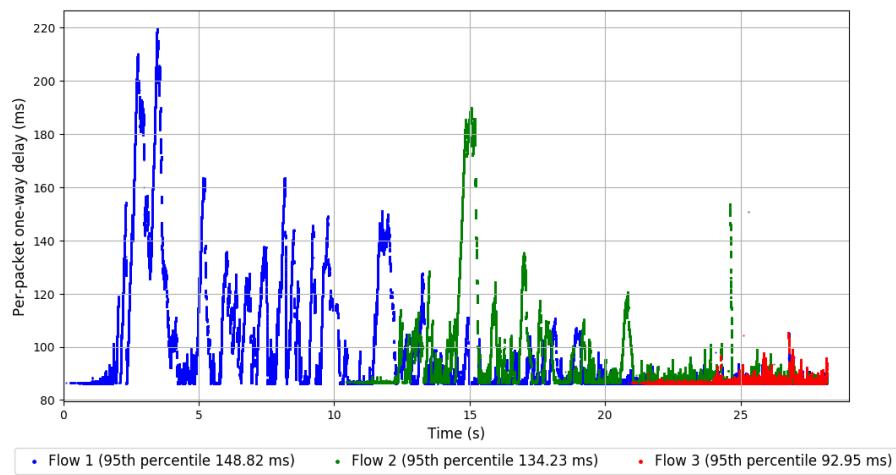
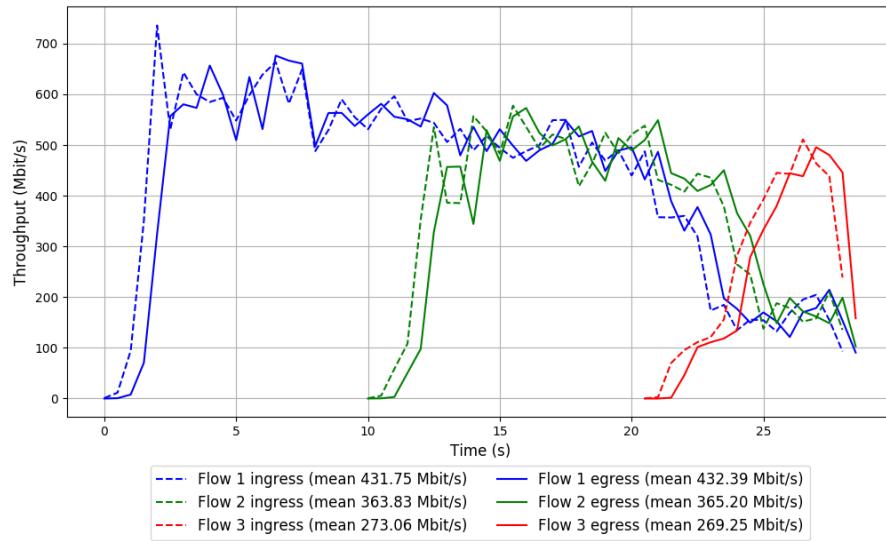


```
Run 1: Statistics of Indigo-MusesC5
```

```
Start at: 2019-07-12 02:47:26
End at: 2019-07-12 02:47:56
Local clock offset: 0.447 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2019-07-12 07:11:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 735.90 Mbit/s
95th percentile per-packet one-way delay: 144.296 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 432.39 Mbit/s
95th percentile per-packet one-way delay: 148.825 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 365.20 Mbit/s
95th percentile per-packet one-way delay: 134.229 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 269.25 Mbit/s
95th percentile per-packet one-way delay: 92.954 ms
Loss rate: 3.65%
```

Run 1: Report of Indigo-MusesC5 — Data Link

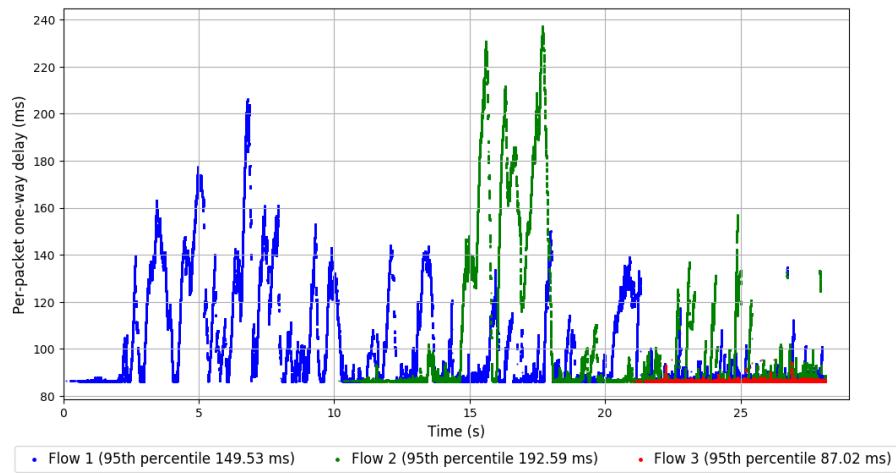
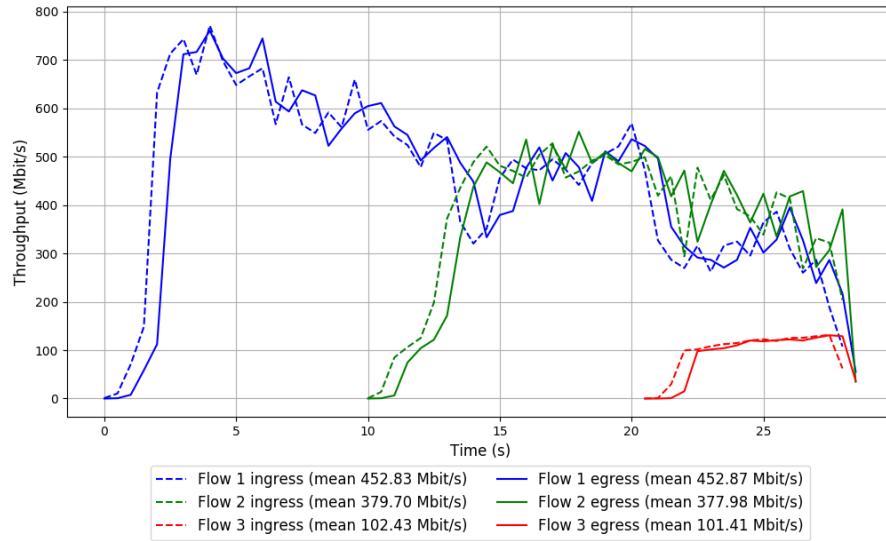


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 03:29:28
End at: 2019-07-12 03:29:58
Local clock offset: 0.251 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2019-07-12 07:12:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 720.68 Mbit/s
95th percentile per-packet one-way delay: 166.367 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 452.87 Mbit/s
95th percentile per-packet one-way delay: 149.527 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 377.98 Mbit/s
95th percentile per-packet one-way delay: 192.594 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 101.41 Mbit/s
95th percentile per-packet one-way delay: 87.017 ms
Loss rate: 3.31%
```

Run 2: Report of Indigo-MusesC5 — Data Link

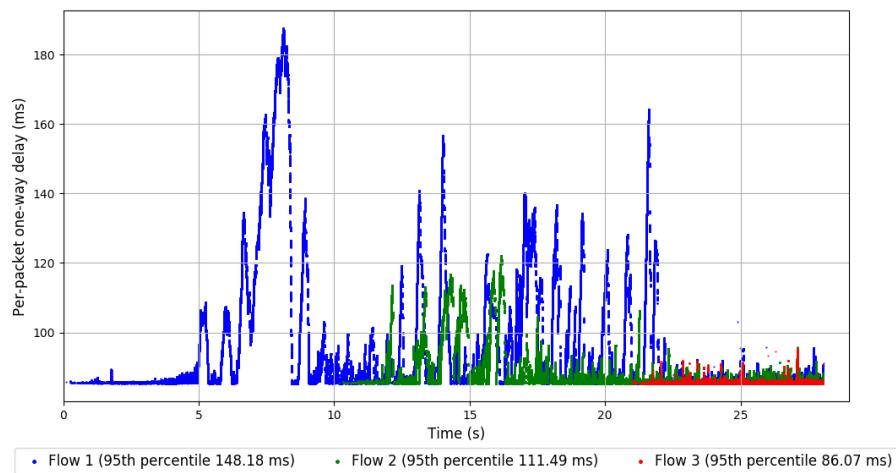
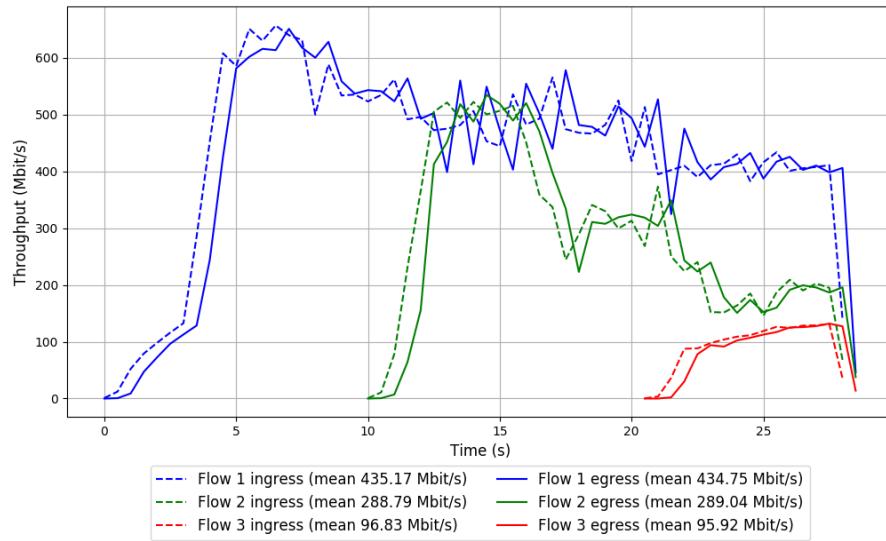


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 04:11:08
End at: 2019-07-12 04:11:38
Local clock offset: -0.413 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2019-07-12 07:12:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 644.34 Mbit/s
95th percentile per-packet one-way delay: 134.286 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 434.75 Mbit/s
95th percentile per-packet one-way delay: 148.179 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 289.04 Mbit/s
95th percentile per-packet one-way delay: 111.488 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 86.074 ms
Loss rate: 3.20%
```

Run 3: Report of Indigo-MusesC5 — Data Link

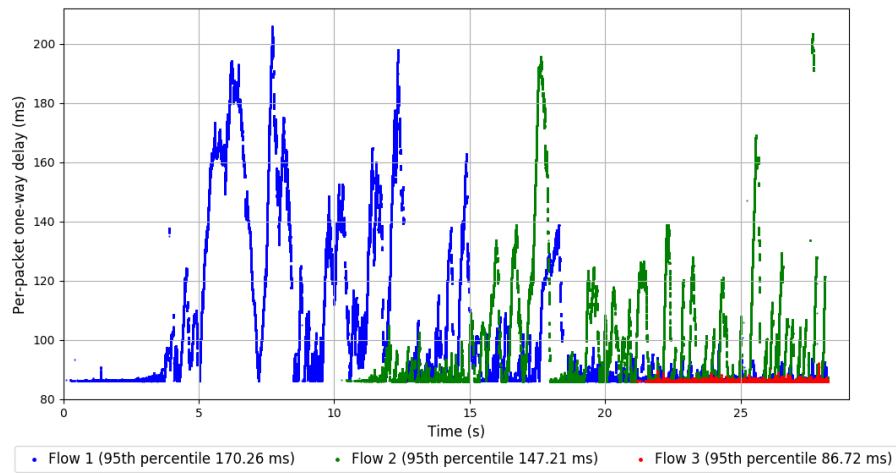
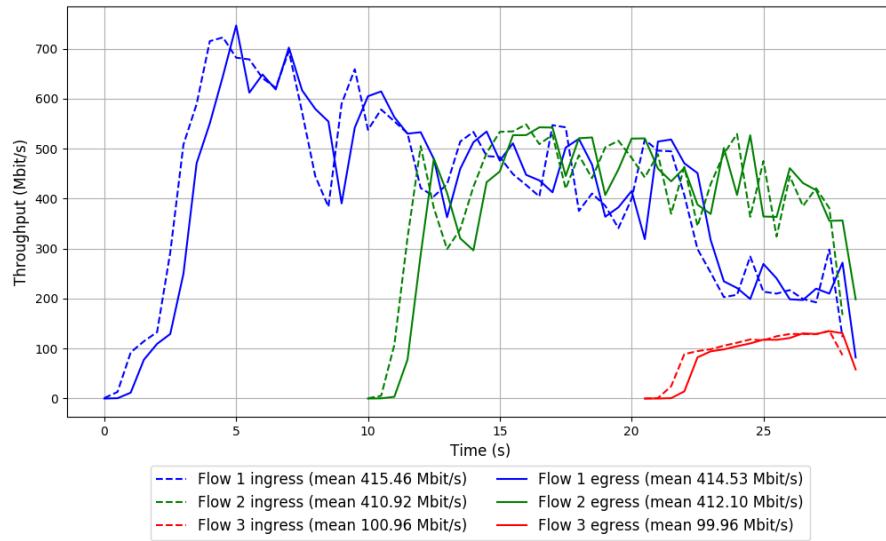


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 04:52:51
End at: 2019-07-12 04:53:21
Local clock offset: 0.383 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2019-07-12 07:19:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 703.03 Mbit/s
95th percentile per-packet one-way delay: 164.700 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 414.53 Mbit/s
95th percentile per-packet one-way delay: 170.257 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 412.10 Mbit/s
95th percentile per-packet one-way delay: 147.207 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 99.96 Mbit/s
95th percentile per-packet one-way delay: 86.717 ms
Loss rate: 3.29%
```

Run 4: Report of Indigo-MusesC5 — Data Link

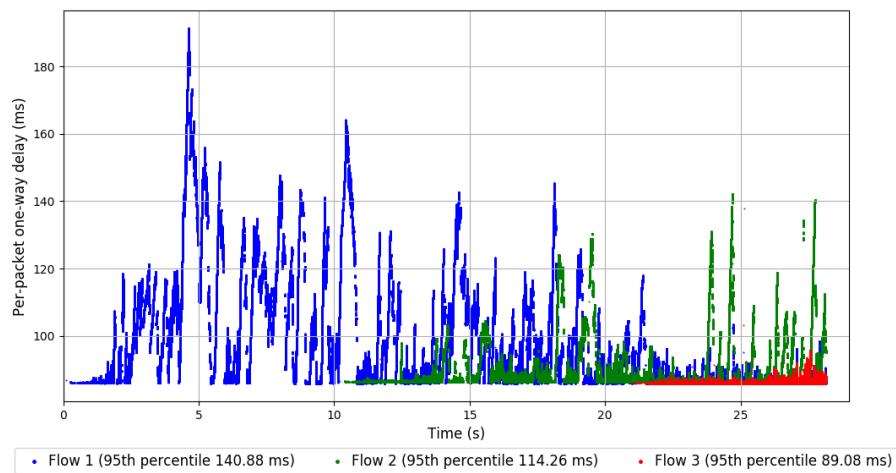
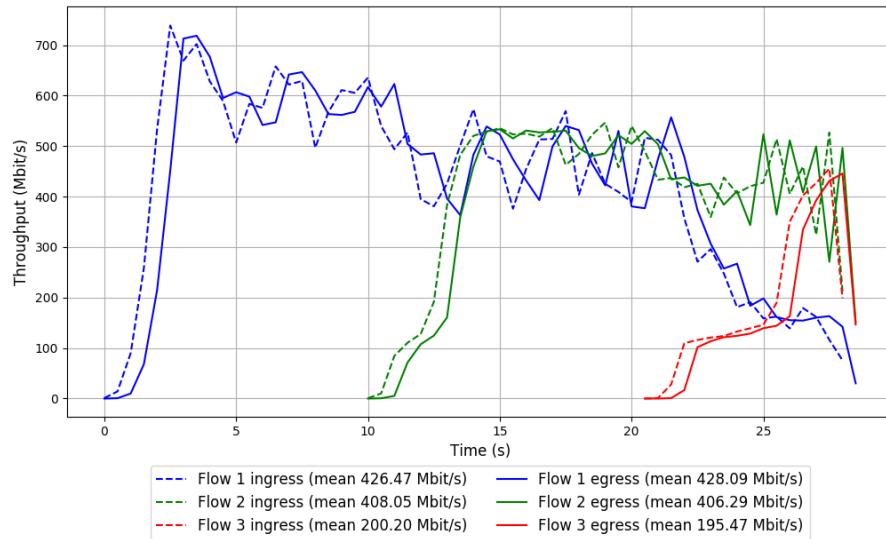


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 05:34:27
End at: 2019-07-12 05:34:57
Local clock offset: 0.184 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2019-07-12 07:20:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 737.82 Mbit/s
95th percentile per-packet one-way delay: 133.690 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 428.09 Mbit/s
95th percentile per-packet one-way delay: 140.877 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 406.29 Mbit/s
95th percentile per-packet one-way delay: 114.261 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 195.47 Mbit/s
95th percentile per-packet one-way delay: 89.077 ms
Loss rate: 4.64%
```

Run 5: Report of Indigo-MusesC5 — Data Link

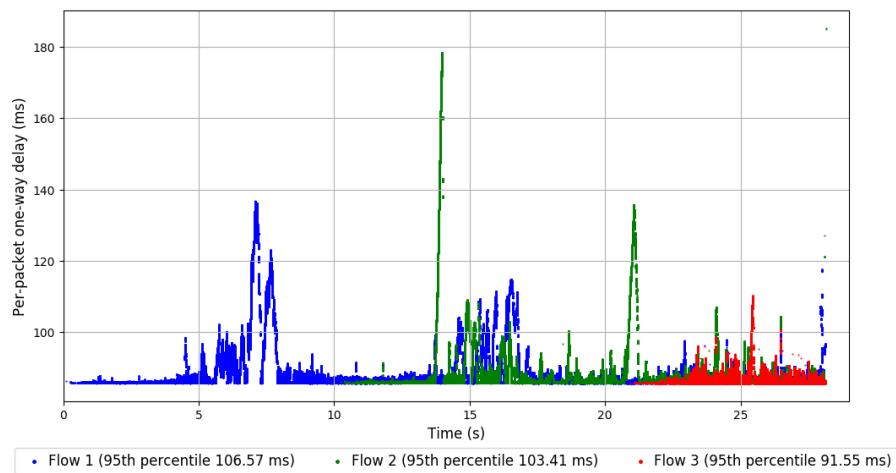
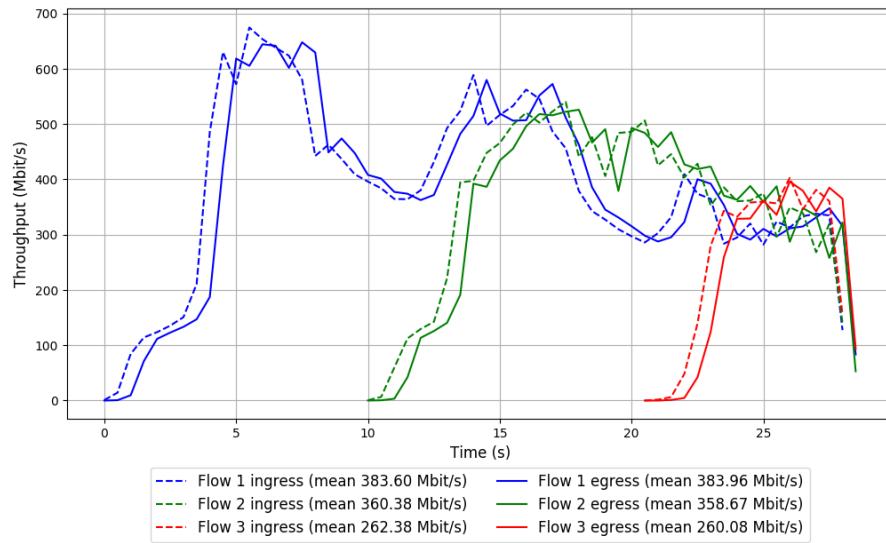


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 02:51:20
End at: 2019-07-12 02:51:50
Local clock offset: -0.057 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2019-07-12 07:21:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 679.20 Mbit/s
95th percentile per-packet one-way delay: 105.201 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 383.96 Mbit/s
95th percentile per-packet one-way delay: 106.566 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 358.67 Mbit/s
95th percentile per-packet one-way delay: 103.407 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 260.08 Mbit/s
95th percentile per-packet one-way delay: 91.545 ms
Loss rate: 3.19%
```

Run 1: Report of Indigo-MusesD — Data Link

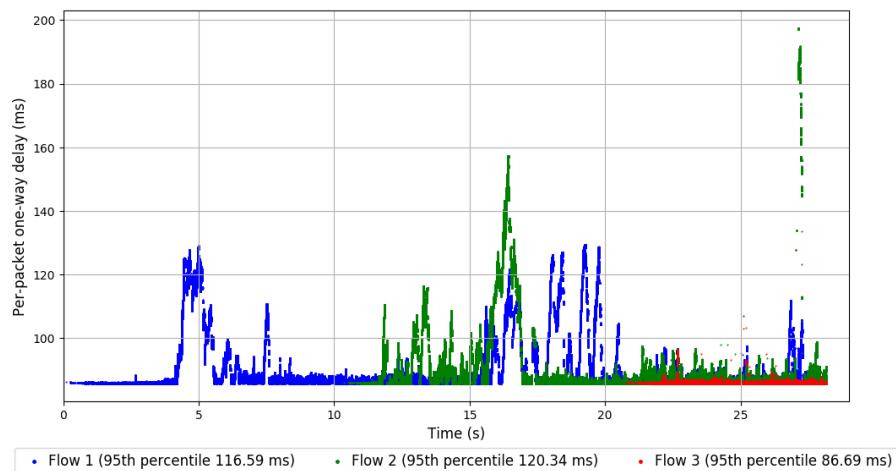
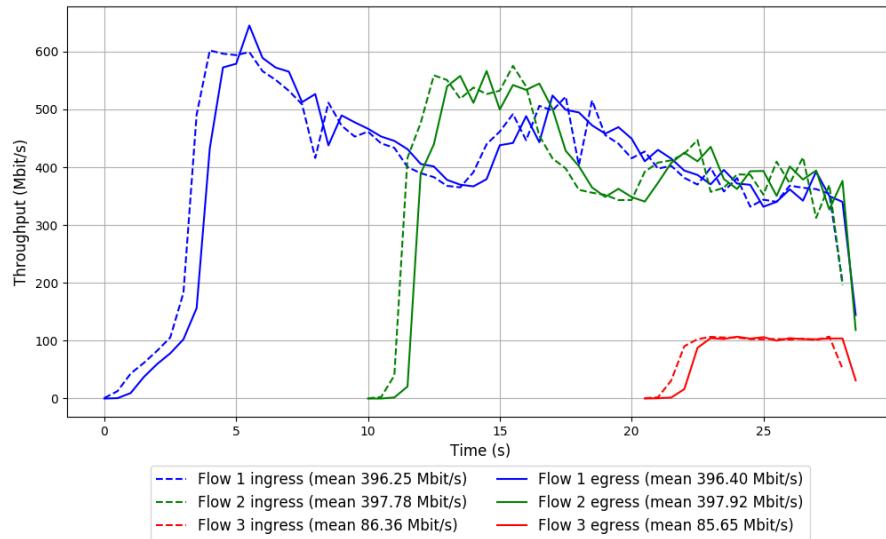


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 03:33:17
End at: 2019-07-12 03:33:47
Local clock offset: -0.181 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2019-07-12 07:22:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 671.43 Mbit/s
95th percentile per-packet one-way delay: 117.321 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 396.40 Mbit/s
95th percentile per-packet one-way delay: 116.586 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 397.92 Mbit/s
95th percentile per-packet one-way delay: 120.338 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 86.692 ms
Loss rate: 3.01%
```

Run 2: Report of Indigo-MusesD — Data Link

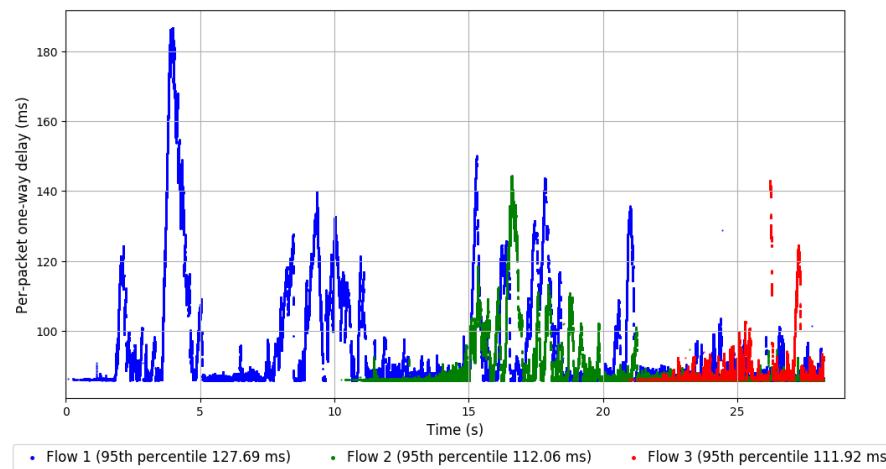
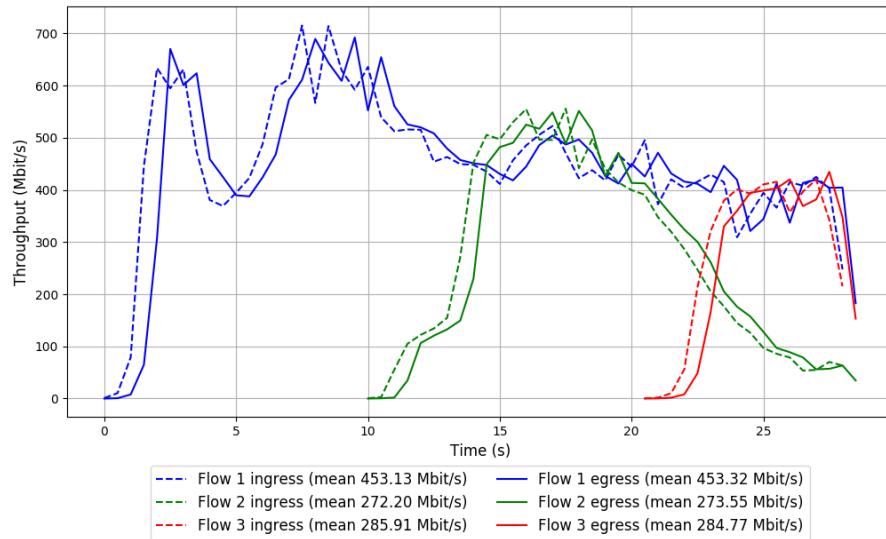


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 04:14:58
End at: 2019-07-12 04:15:28
Local clock offset: 0.154 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2019-07-12 07:24:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 703.14 Mbit/s
95th percentile per-packet one-way delay: 124.435 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 453.32 Mbit/s
95th percentile per-packet one-way delay: 127.691 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 273.55 Mbit/s
95th percentile per-packet one-way delay: 112.063 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 284.77 Mbit/s
95th percentile per-packet one-way delay: 111.916 ms
Loss rate: 2.68%
```

Run 3: Report of Indigo-MusesD — Data Link

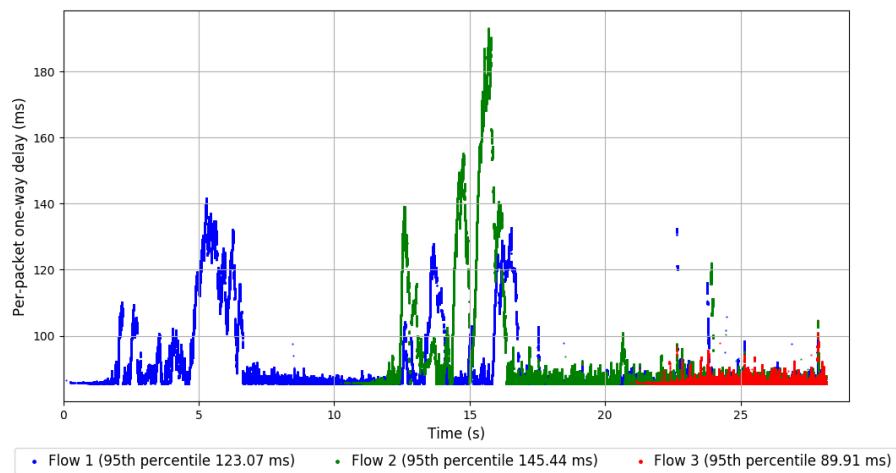
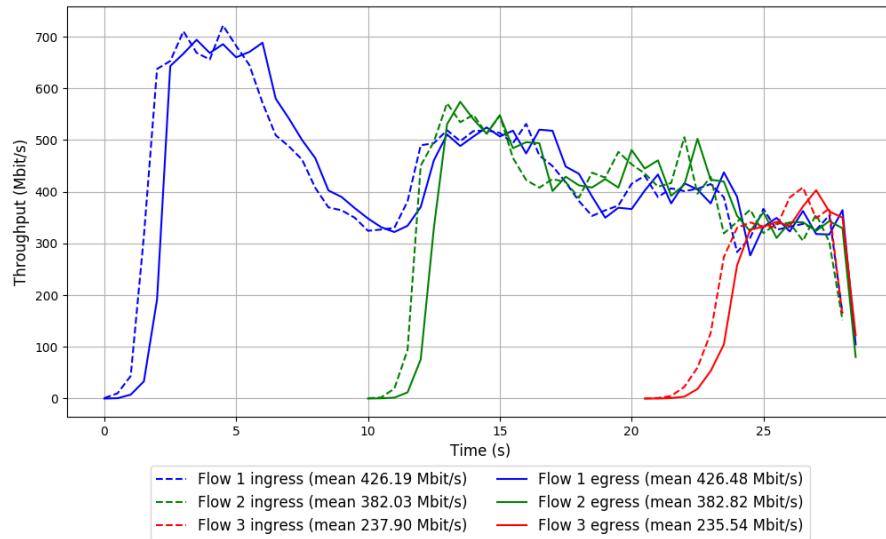


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 04:56:32
End at: 2019-07-12 04:57:02
Local clock offset: 0.137 ms
Remote clock offset: 0.032 ms

# Below is generated by plot.py at 2019-07-12 07:25:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 731.27 Mbit/s
95th percentile per-packet one-way delay: 128.052 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 426.48 Mbit/s
95th percentile per-packet one-way delay: 123.067 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 382.82 Mbit/s
95th percentile per-packet one-way delay: 145.444 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 235.54 Mbit/s
95th percentile per-packet one-way delay: 89.910 ms
Loss rate: 3.32%
```

Run 4: Report of Indigo-MusesD — Data Link

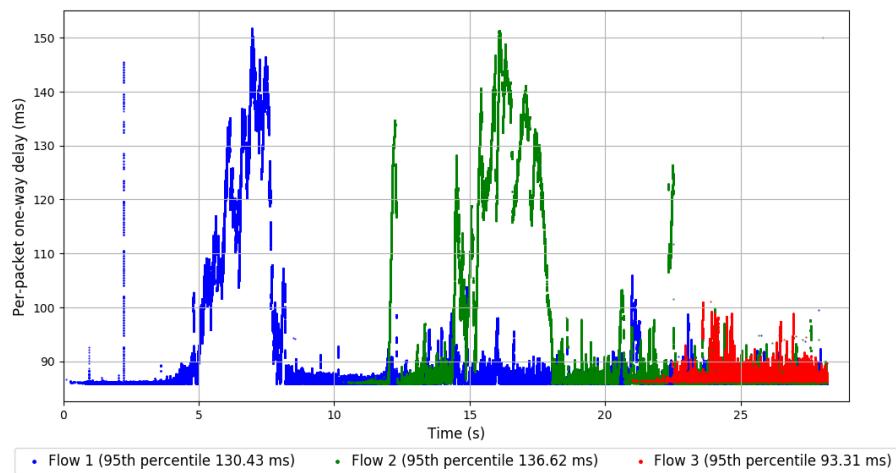
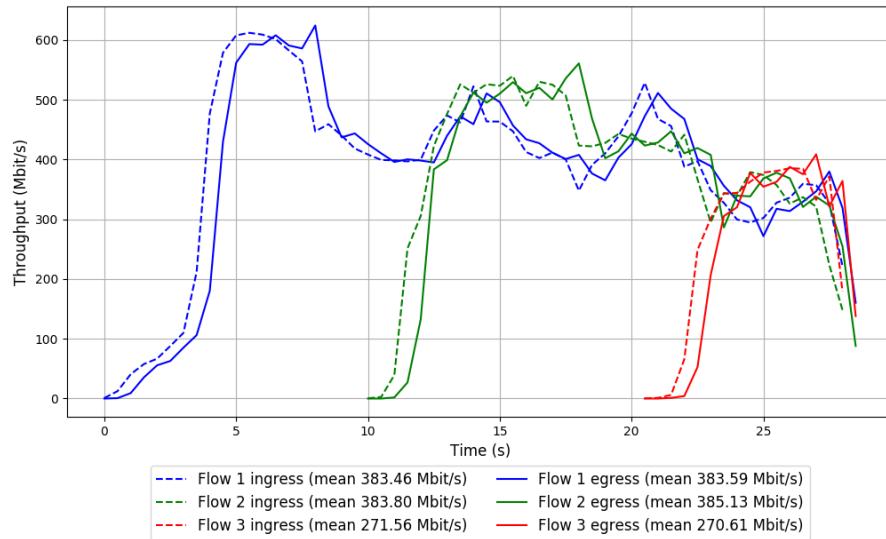


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 05:38:23
End at: 2019-07-12 05:38:53
Local clock offset: 0.102 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2019-07-12 07:25:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 698.89 Mbit/s
95th percentile per-packet one-way delay: 132.583 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 383.59 Mbit/s
95th percentile per-packet one-way delay: 130.426 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 385.13 Mbit/s
95th percentile per-packet one-way delay: 136.623 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 270.61 Mbit/s
95th percentile per-packet one-way delay: 93.310 ms
Loss rate: 2.59%
```

Run 5: Report of Indigo-MusesD — Data Link

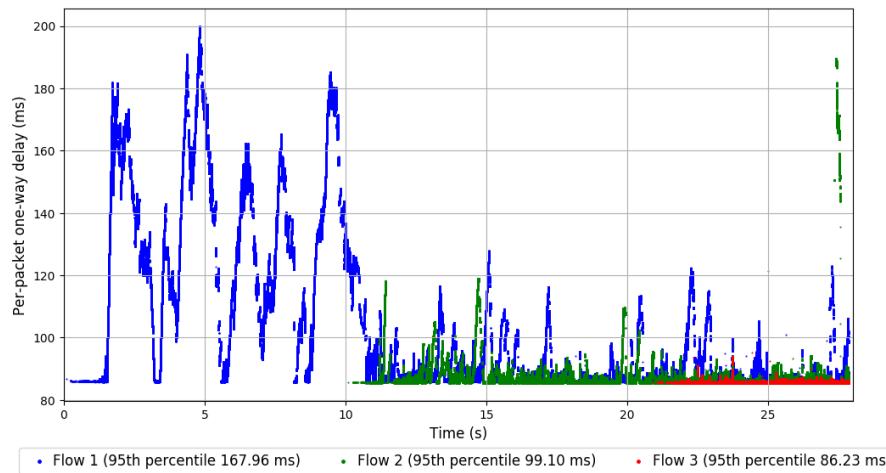
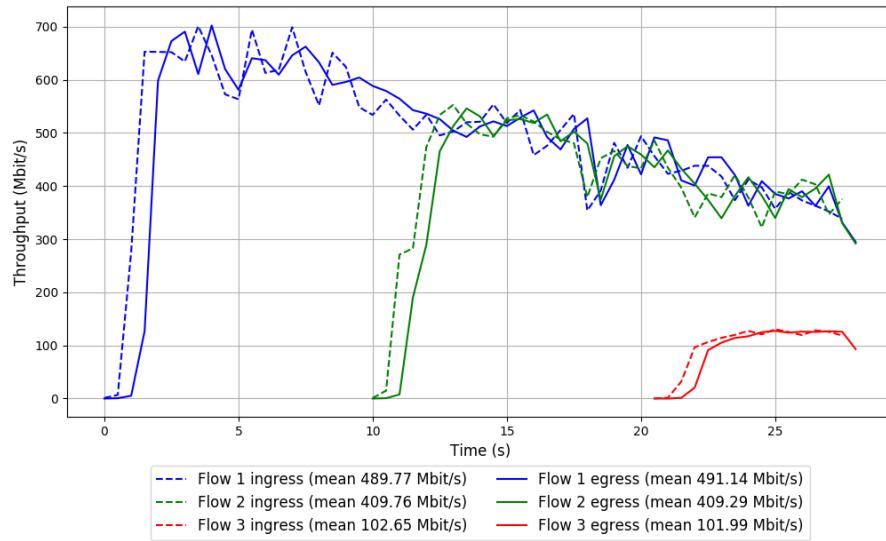


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 02:22:53
End at: 2019-07-12 02:23:23
Local clock offset: -0.345 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2019-07-12 07:26:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 778.48 Mbit/s
95th percentile per-packet one-way delay: 159.474 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 491.14 Mbit/s
95th percentile per-packet one-way delay: 167.958 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 409.29 Mbit/s
95th percentile per-packet one-way delay: 99.098 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 101.99 Mbit/s
95th percentile per-packet one-way delay: 86.233 ms
Loss rate: 3.01%
```

Run 1: Report of Indigo-MusesT — Data Link

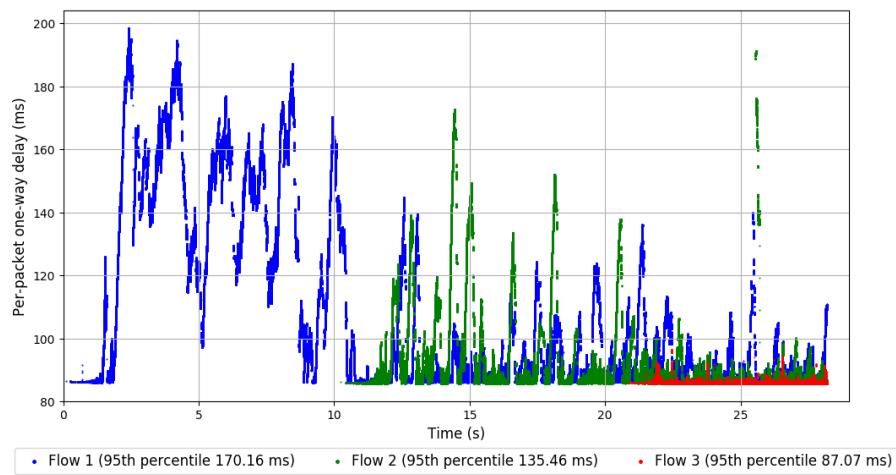
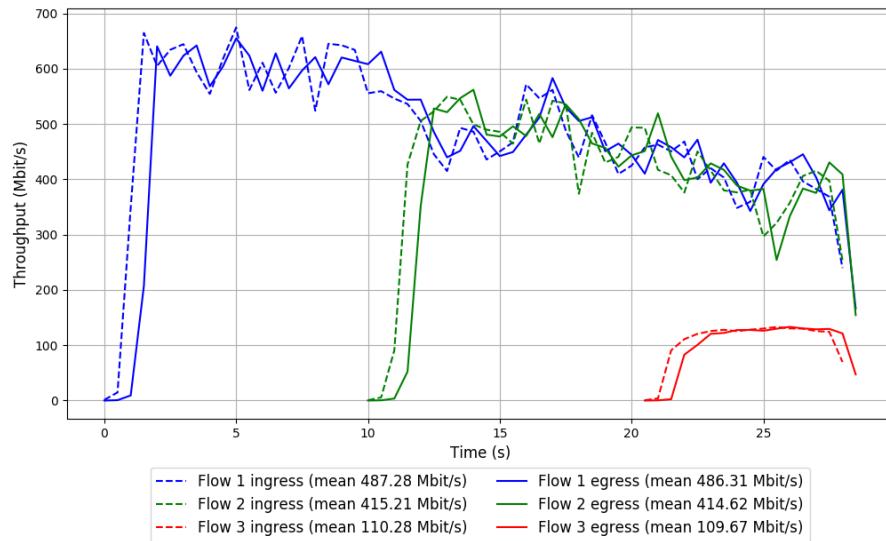


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 03:04:52
End at: 2019-07-12 03:05:22
Local clock offset: -0.036 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2019-07-12 07:33:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 779.89 Mbit/s
95th percentile per-packet one-way delay: 164.031 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 486.31 Mbit/s
95th percentile per-packet one-way delay: 170.157 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 414.62 Mbit/s
95th percentile per-packet one-way delay: 135.460 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 109.67 Mbit/s
95th percentile per-packet one-way delay: 87.067 ms
Loss rate: 2.73%
```

Run 2: Report of Indigo-MusesT — Data Link

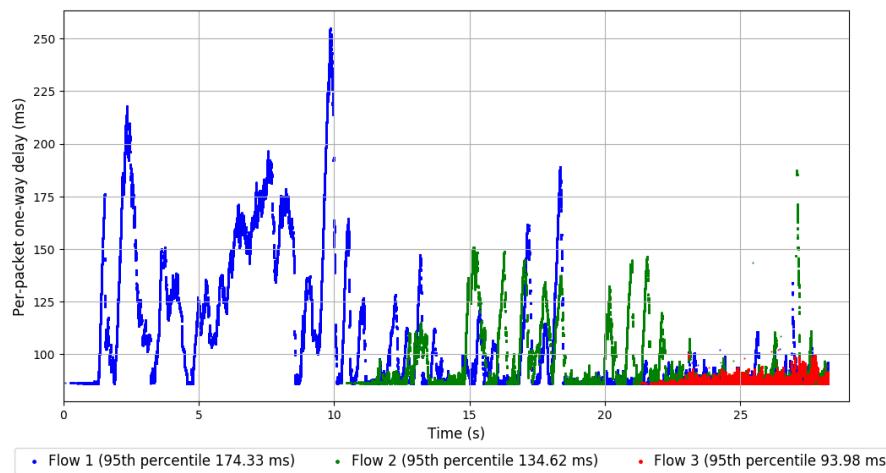
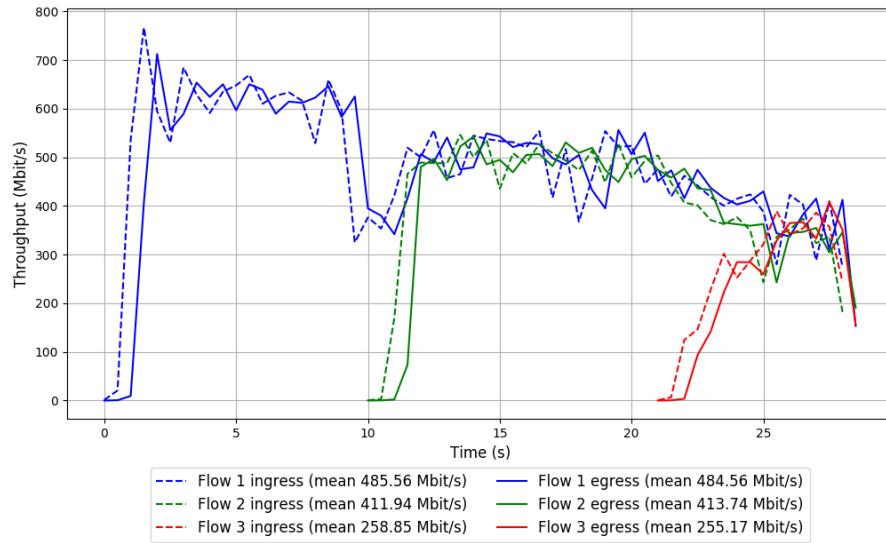


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 03:46:36
End at: 2019-07-12 03:47:06
Local clock offset: 0.295 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2019-07-12 07:36:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 812.42 Mbit/s
95th percentile per-packet one-way delay: 164.884 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 484.56 Mbit/s
95th percentile per-packet one-way delay: 174.333 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 413.74 Mbit/s
95th percentile per-packet one-way delay: 134.616 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 255.17 Mbit/s
95th percentile per-packet one-way delay: 93.981 ms
Loss rate: 3.79%
```

Run 3: Report of Indigo-MusesT — Data Link

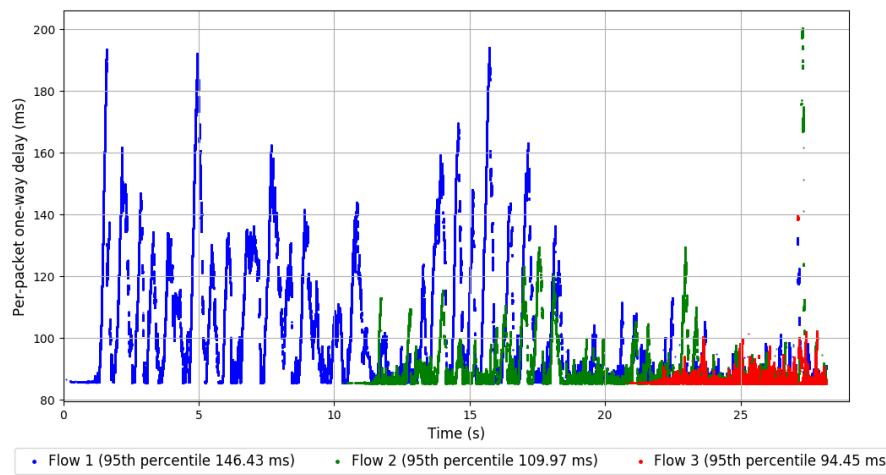
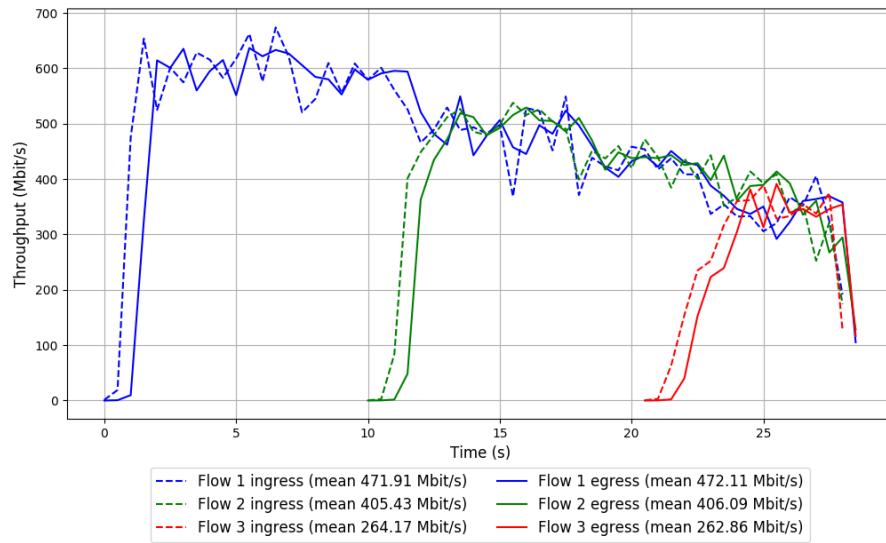


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 04:28:27
End at: 2019-07-12 04:28:58
Local clock offset: -0.295 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2019-07-12 07:36:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 799.40 Mbit/s
95th percentile per-packet one-way delay: 137.412 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 472.11 Mbit/s
95th percentile per-packet one-way delay: 146.429 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 406.09 Mbit/s
95th percentile per-packet one-way delay: 109.975 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 262.86 Mbit/s
95th percentile per-packet one-way delay: 94.447 ms
Loss rate: 2.77%
```

Run 4: Report of Indigo-MusesT — Data Link

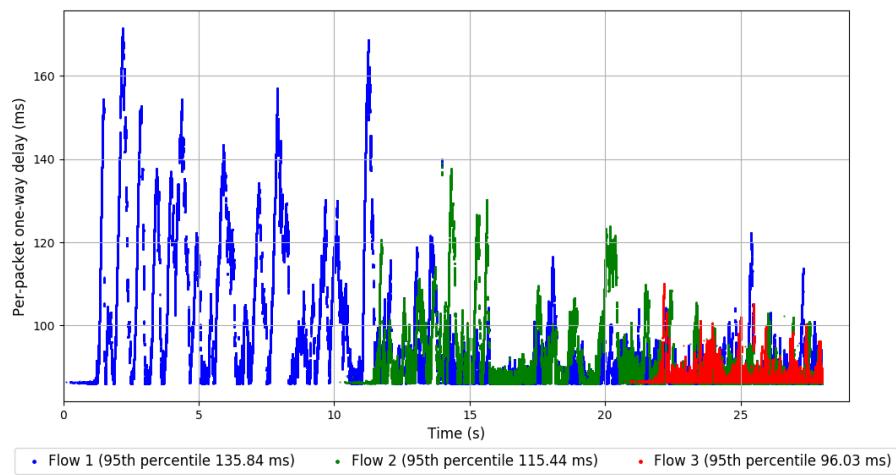
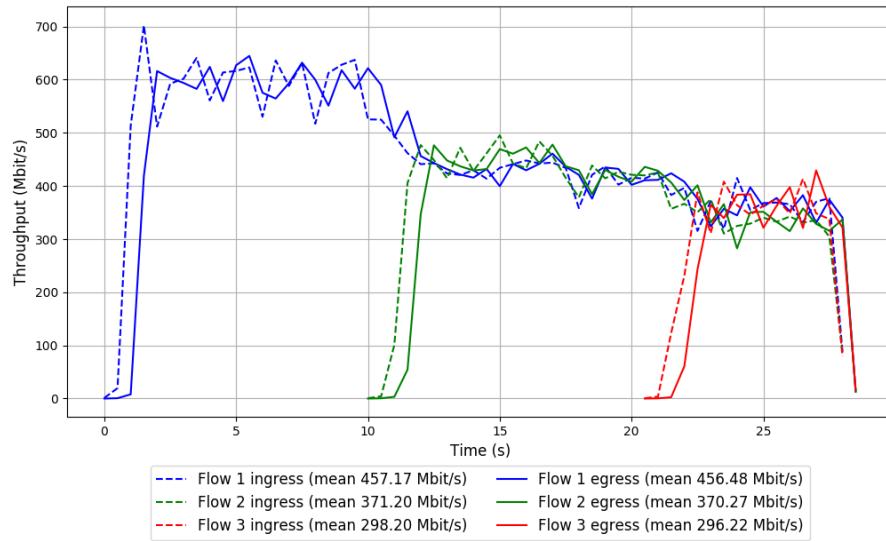


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 05:10:10
End at: 2019-07-12 05:10:40
Local clock offset: 0.5 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2019-07-12 07:36:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 769.64 Mbit/s
95th percentile per-packet one-way delay: 128.759 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 456.48 Mbit/s
95th percentile per-packet one-way delay: 135.839 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 370.27 Mbit/s
95th percentile per-packet one-way delay: 115.436 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 296.22 Mbit/s
95th percentile per-packet one-way delay: 96.027 ms
Loss rate: 2.97%
```

Run 5: Report of Indigo-MusesT — Data Link

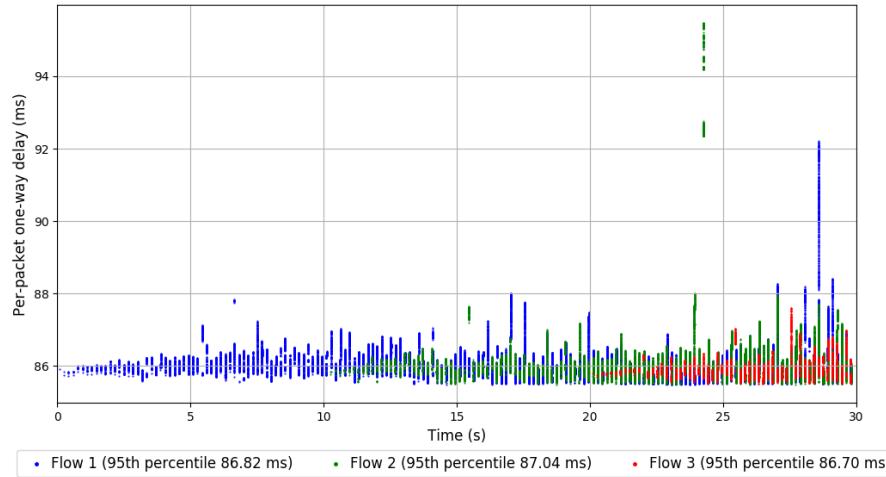
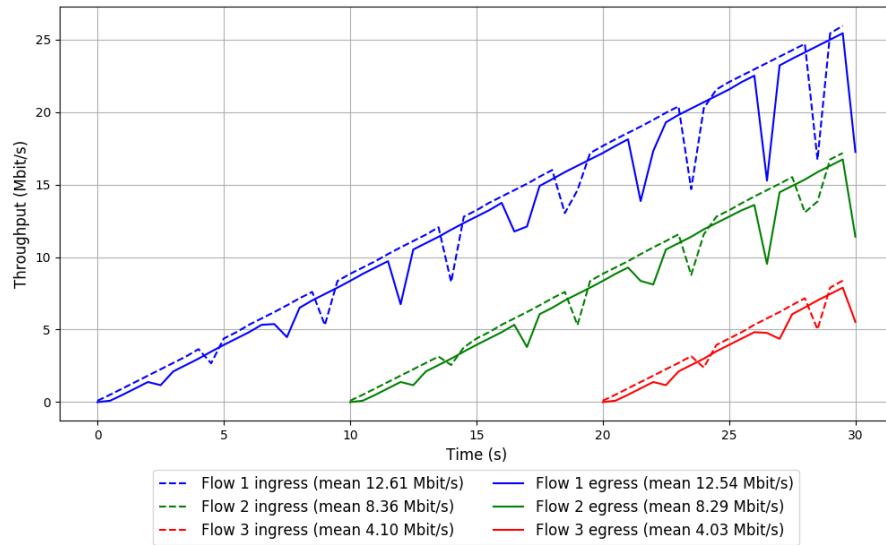


Run 1: Statistics of LEDBAT

```
Start at: 2019-07-12 02:36:32
End at: 2019-07-12 02:37:02
Local clock offset: -0.328 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2019-07-12 07:36:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.35 Mbit/s
95th percentile per-packet one-way delay: 86.865 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 86.817 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 87.040 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 86.698 ms
Loss rate: 3.52%
```

Run 1: Report of LEDBAT — Data Link

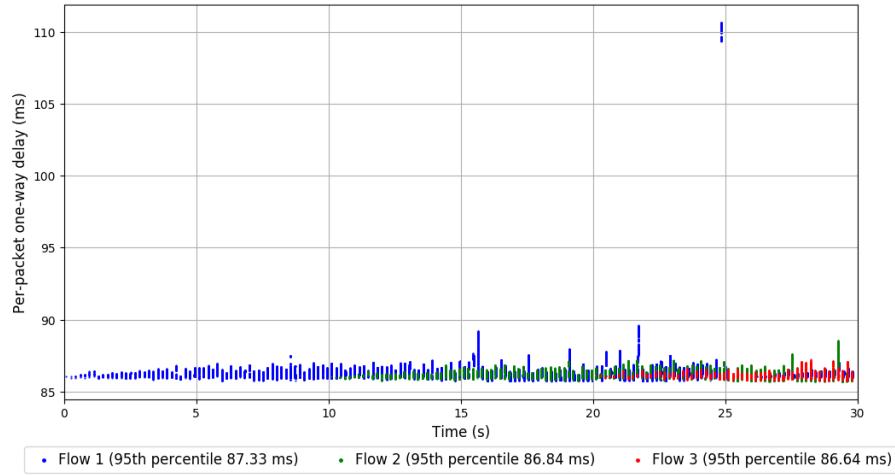
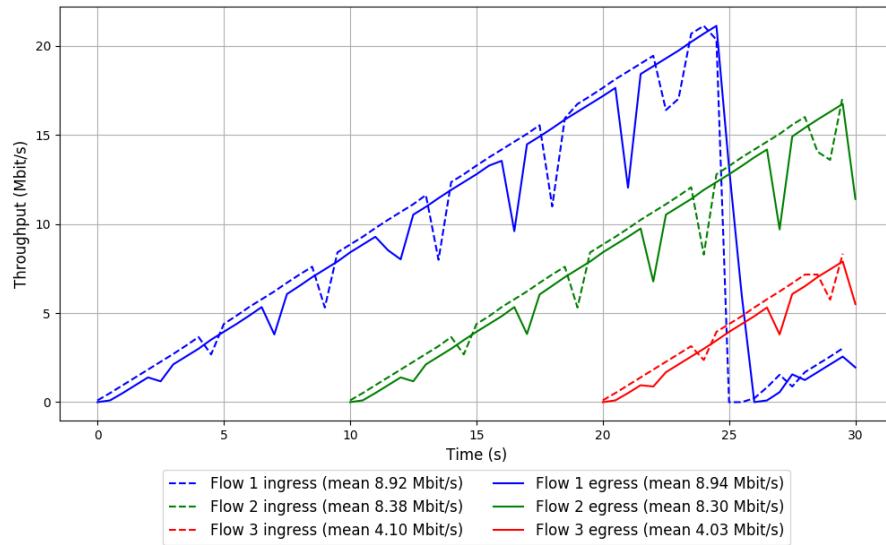


Run 2: Statistics of LEDBAT

```
Start at: 2019-07-12 03:18:31
End at: 2019-07-12 03:19:01
Local clock offset: -0.179 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2019-07-12 07:36:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.75 Mbit/s
95th percentile per-packet one-way delay: 87.029 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 8.94 Mbit/s
95th percentile per-packet one-way delay: 87.333 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 86.836 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 86.643 ms
Loss rate: 3.50%
```

Run 2: Report of LEDBAT — Data Link

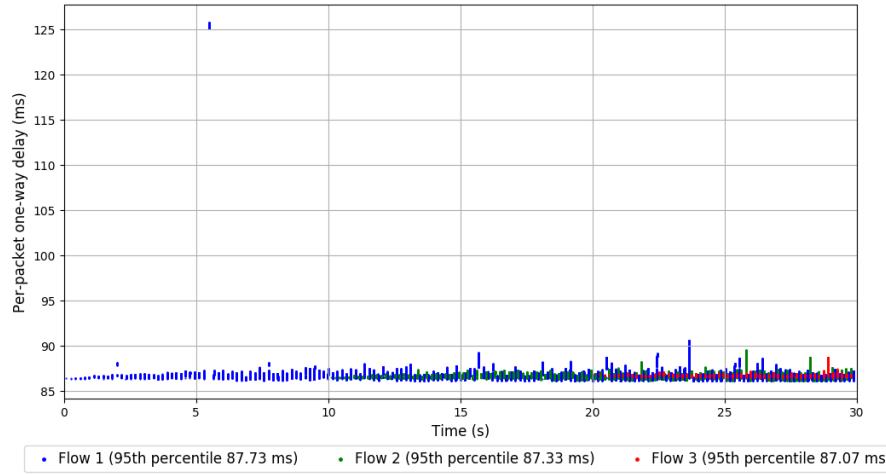
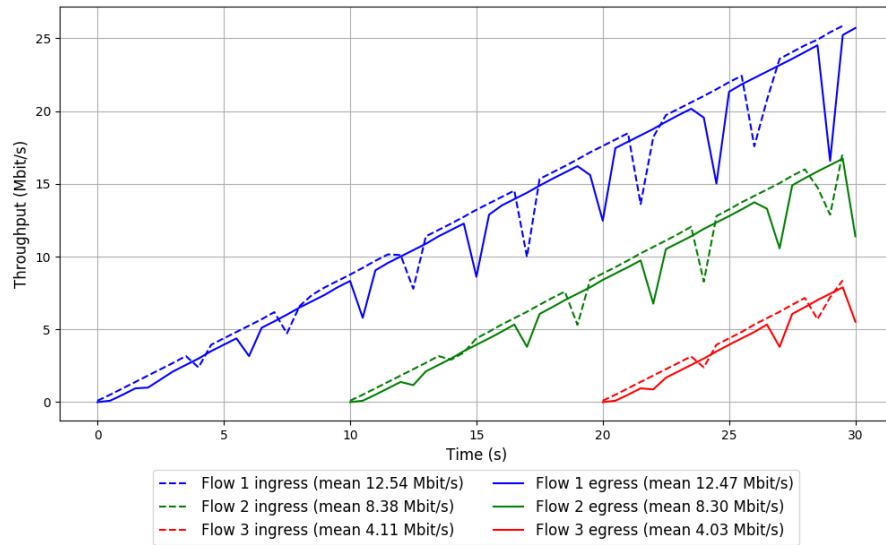


Run 3: Statistics of LEDBAT

```
Start at: 2019-07-12 04:00:21
End at: 2019-07-12 04:00:51
Local clock offset: 0.329 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2019-07-12 07:36:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 87.550 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 87.730 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 87.330 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 87.069 ms
Loss rate: 3.52%
```

Run 3: Report of LEDBAT — Data Link

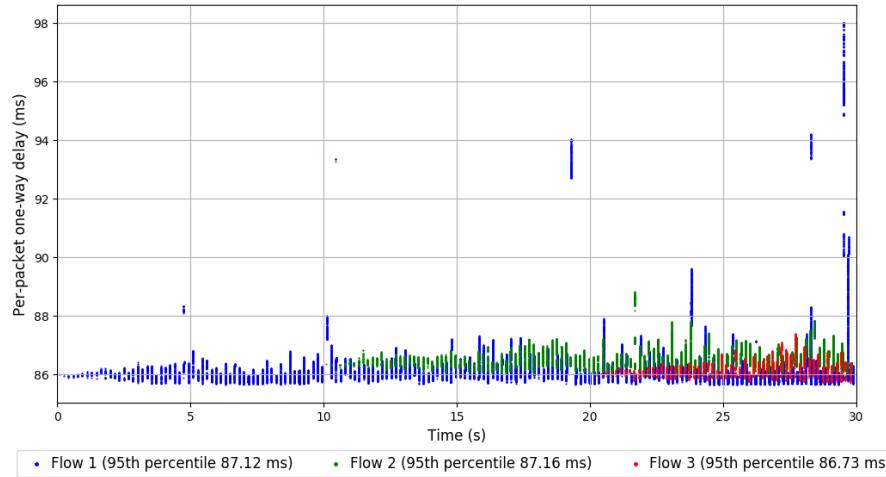
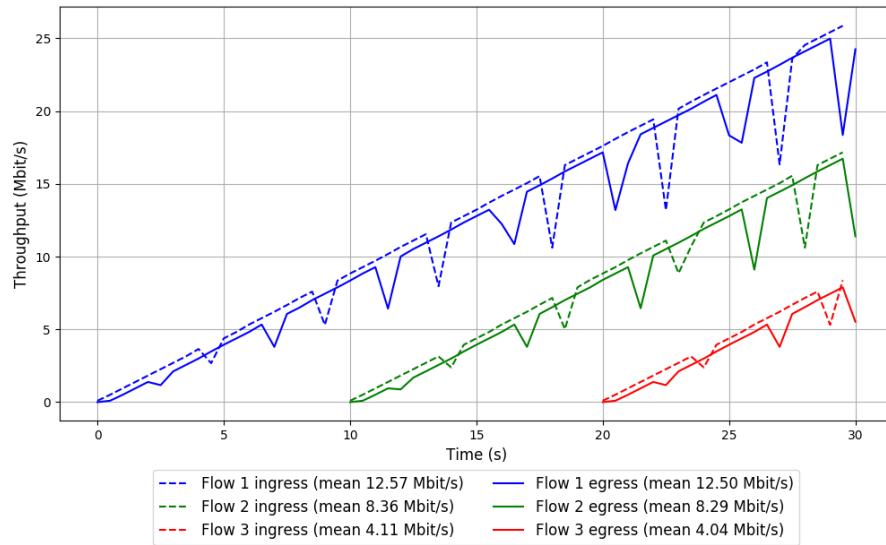


Run 4: Statistics of LEDBAT

```
Start at: 2019-07-12 04:41:59
End at: 2019-07-12 04:42:29
Local clock offset: 0.135 ms
Remote clock offset: 0.04 ms

# Below is generated by plot.py at 2019-07-12 07:36:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.30 Mbit/s
95th percentile per-packet one-way delay: 87.120 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 87.121 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 87.156 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 86.728 ms
Loss rate: 3.52%
```

Run 4: Report of LEDBAT — Data Link

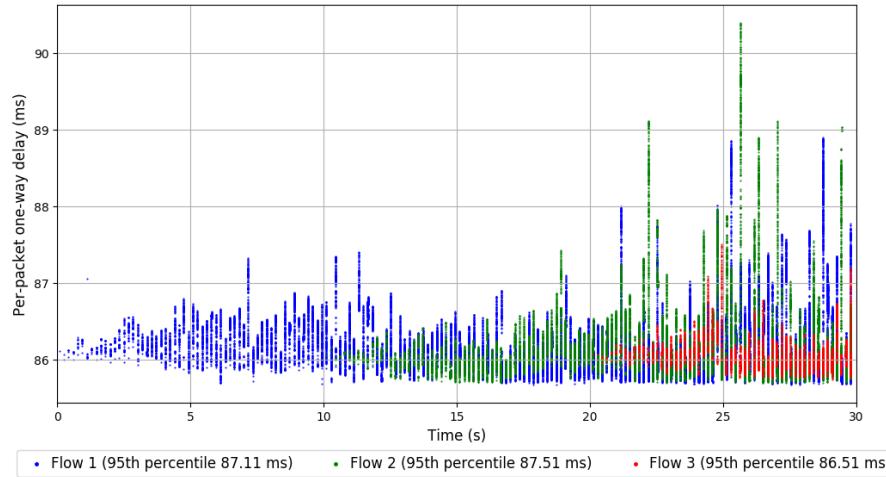
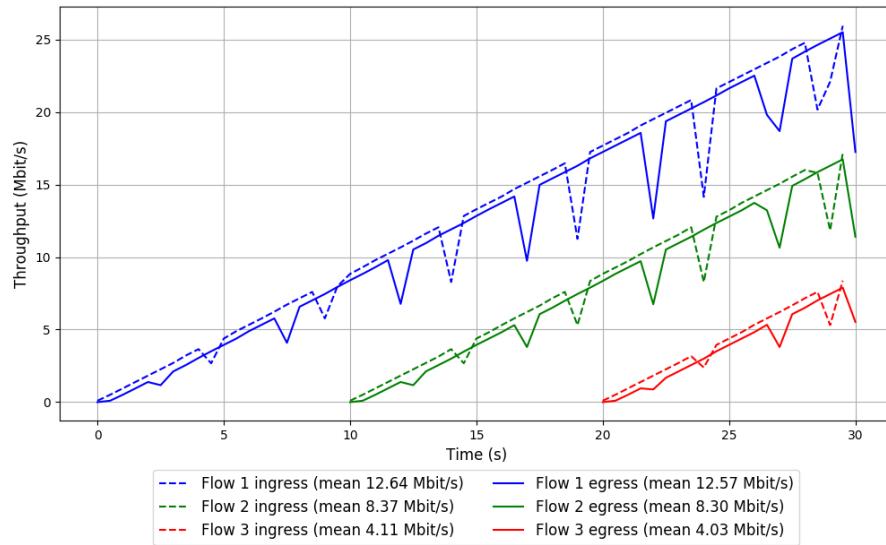


Run 5: Statistics of LEDBAT

```
Start at: 2019-07-12 05:23:49
End at: 2019-07-12 05:24:19
Local clock offset: -0.004 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2019-07-12 07:36:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.38 Mbit/s
95th percentile per-packet one-way delay: 87.166 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 12.57 Mbit/s
95th percentile per-packet one-way delay: 87.107 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 87.512 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 86.512 ms
Loss rate: 3.52%
```

Run 5: Report of LEDBAT — Data Link

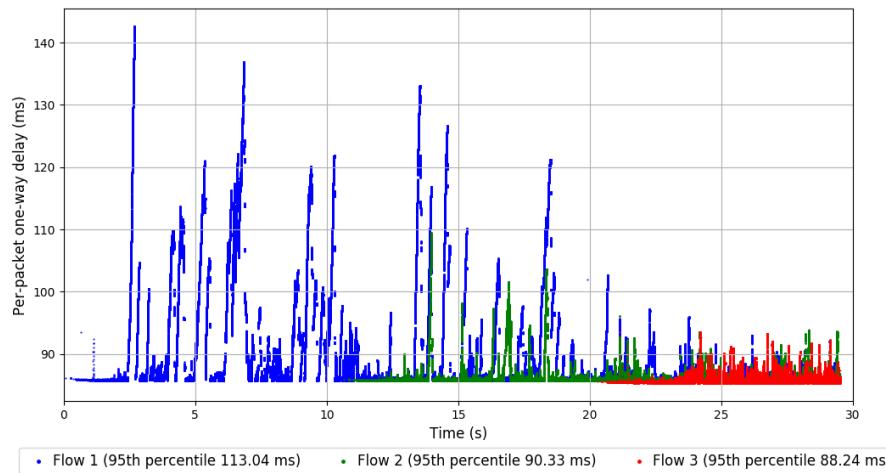
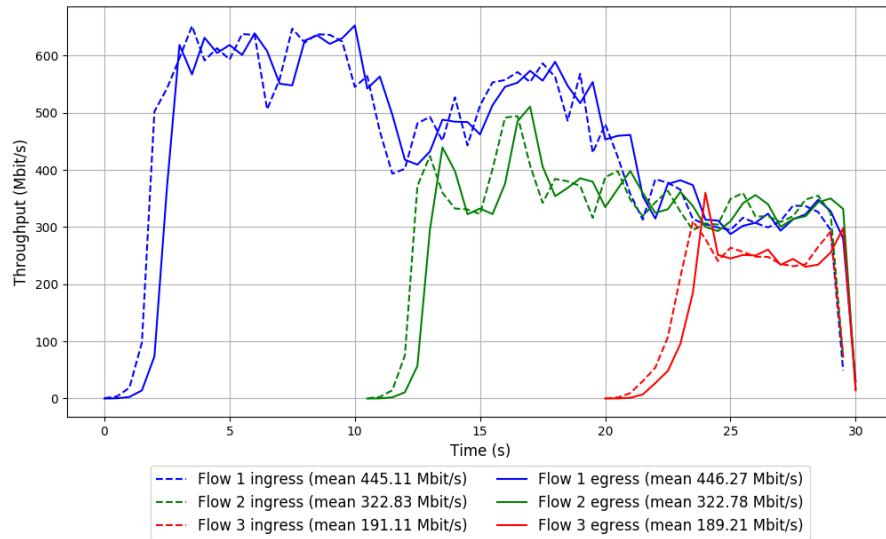


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 02:39:45
End at: 2019-07-12 02:40:15
Local clock offset: -0.481 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2019-07-12 07:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 712.41 Mbit/s
95th percentile per-packet one-way delay: 107.613 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 446.27 Mbit/s
95th percentile per-packet one-way delay: 113.039 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 322.78 Mbit/s
95th percentile per-packet one-way delay: 90.325 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 189.21 Mbit/s
95th percentile per-packet one-way delay: 88.239 ms
Loss rate: 2.80%
```

Run 1: Report of Muses_DecisionTree — Data Link

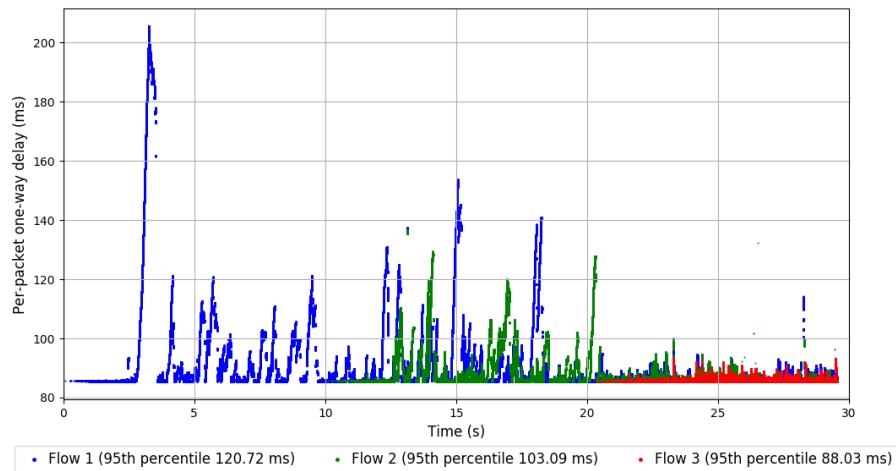
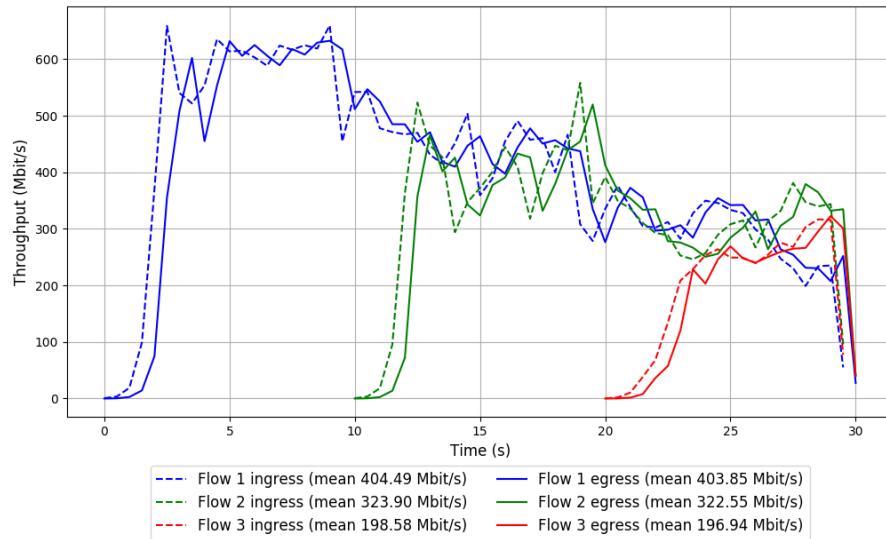


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 03:21:43
End at: 2019-07-12 03:22:13
Local clock offset: -0.545 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2019-07-12 07:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 678.86 Mbit/s
95th percentile per-packet one-way delay: 111.682 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 403.85 Mbit/s
95th percentile per-packet one-way delay: 120.715 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 322.55 Mbit/s
95th percentile per-packet one-way delay: 103.088 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 196.94 Mbit/s
95th percentile per-packet one-way delay: 88.035 ms
Loss rate: 2.63%
```

Run 2: Report of Muses_DecisionTree — Data Link

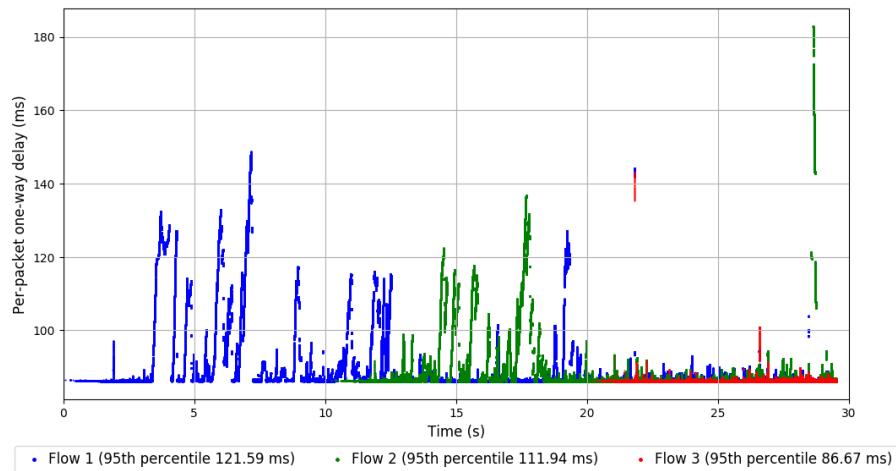
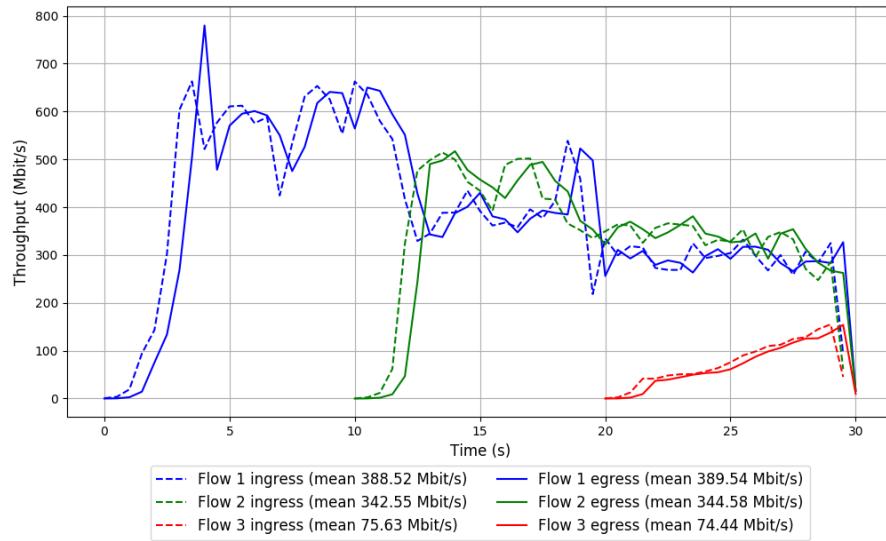


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 04:03:34
End at: 2019-07-12 04:04:04
Local clock offset: 0.236 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2019-07-12 07:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 638.94 Mbit/s
95th percentile per-packet one-way delay: 118.535 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 389.54 Mbit/s
95th percentile per-packet one-way delay: 121.593 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 344.58 Mbit/s
95th percentile per-packet one-way delay: 111.938 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 74.44 Mbit/s
95th percentile per-packet one-way delay: 86.667 ms
Loss rate: 4.51%
```

Run 3: Report of Muses_DecisionTree — Data Link

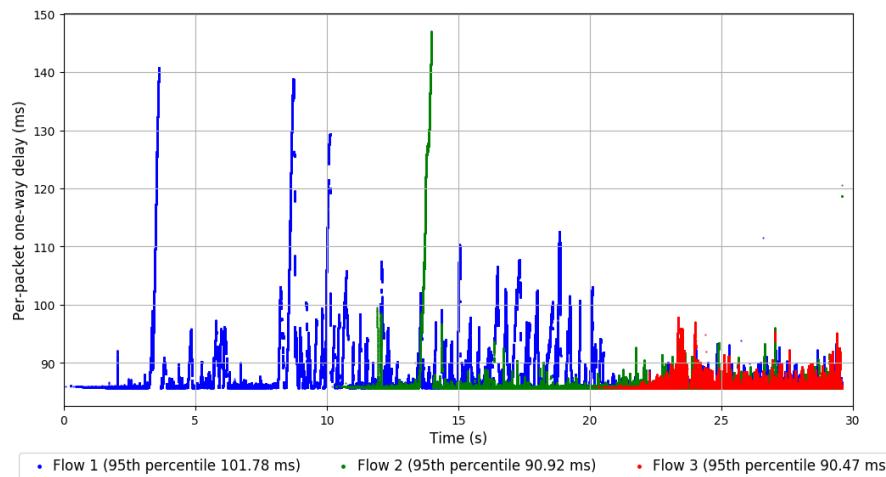
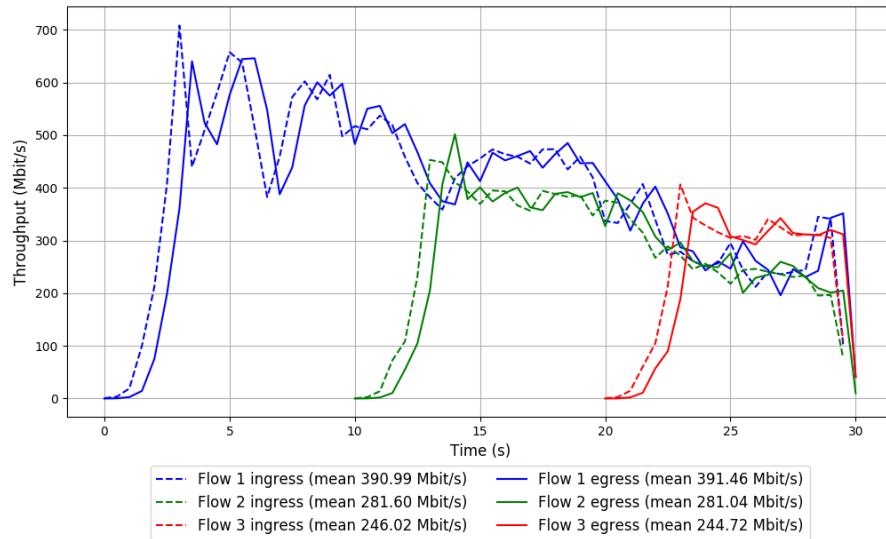


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 04:45:14
End at: 2019-07-12 04:45:44
Local clock offset: 0.145 ms
Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2019-07-12 07:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 654.34 Mbit/s
95th percentile per-packet one-way delay: 99.315 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 391.46 Mbit/s
95th percentile per-packet one-way delay: 101.784 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 281.04 Mbit/s
95th percentile per-packet one-way delay: 90.922 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 244.72 Mbit/s
95th percentile per-packet one-way delay: 90.468 ms
Loss rate: 2.33%
```

Run 4: Report of Muses_DecisionTree — Data Link

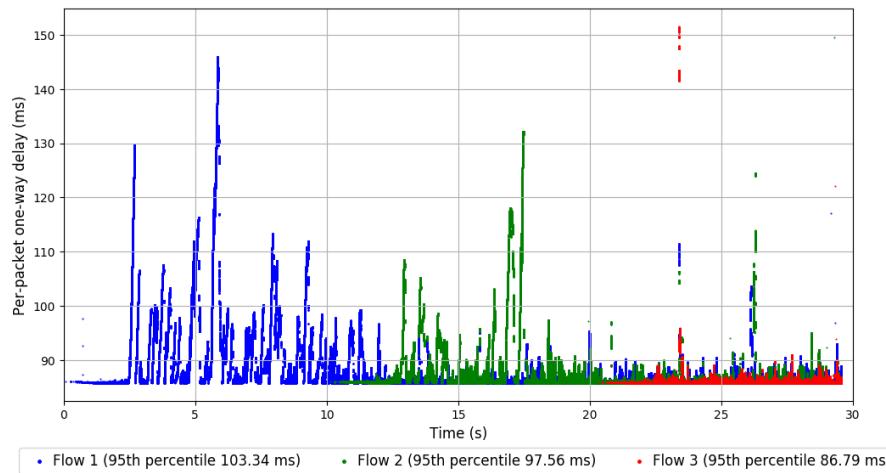
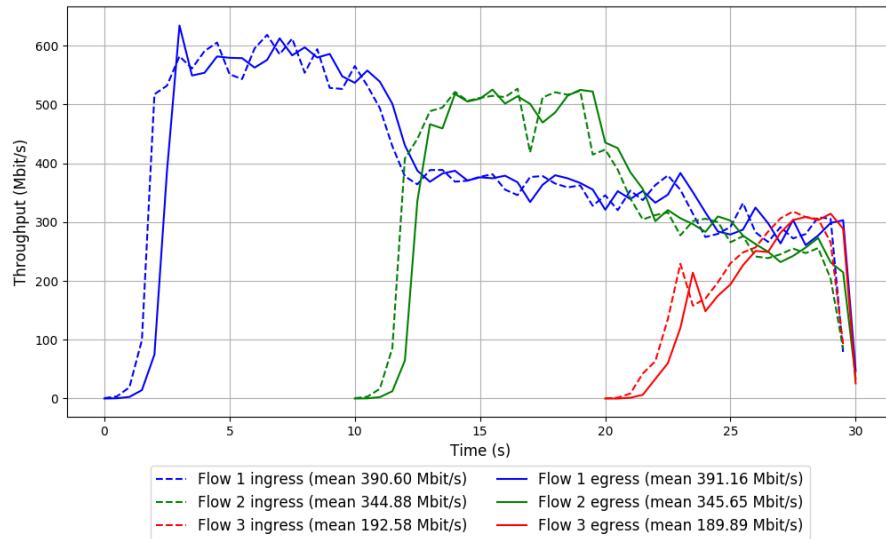


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 05:27:03
End at: 2019-07-12 05:27:33
Local clock offset: 0.011 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2019-07-12 07:47:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 678.47 Mbit/s
95th percentile per-packet one-way delay: 100.315 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 391.16 Mbit/s
95th percentile per-packet one-way delay: 103.345 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 345.65 Mbit/s
95th percentile per-packet one-way delay: 97.557 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 189.89 Mbit/s
95th percentile per-packet one-way delay: 86.793 ms
Loss rate: 3.20%
```

Run 5: Report of Muses_DecisionTree — Data Link

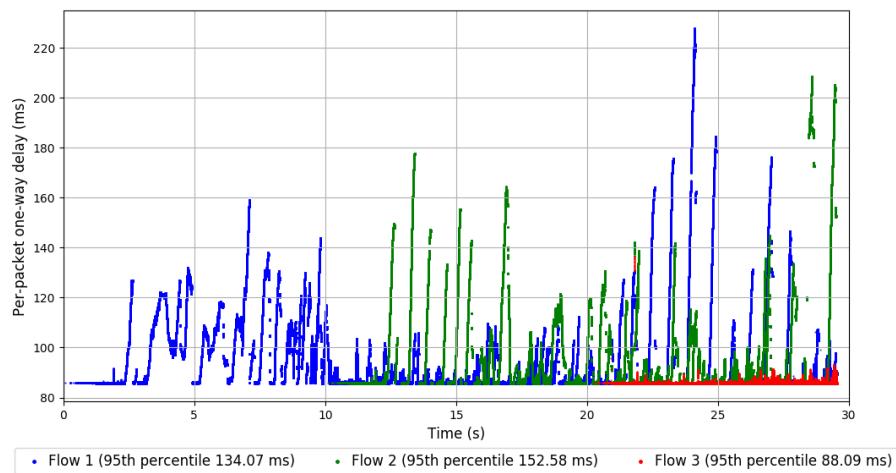
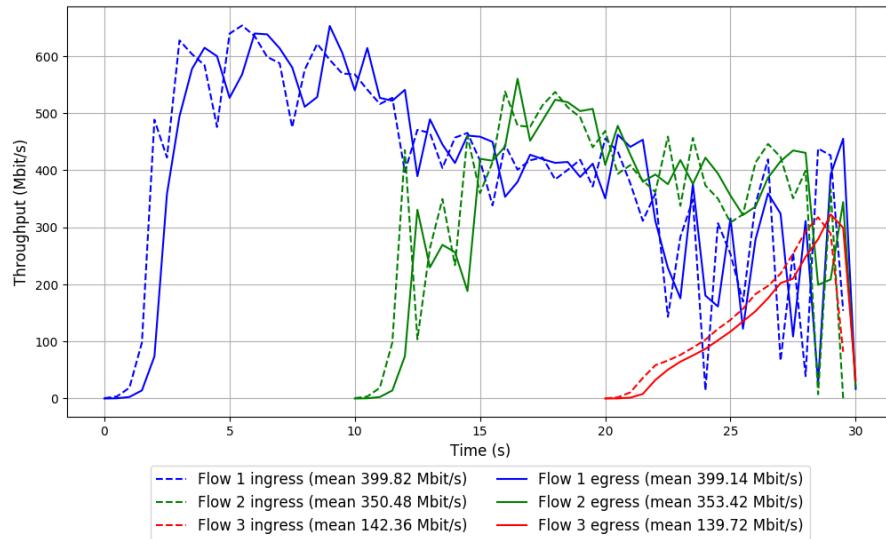


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 02:45:34
End at: 2019-07-12 02:46:04
Local clock offset: -0.1 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2019-07-12 07:48:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 675.92 Mbit/s
95th percentile per-packet one-way delay: 140.021 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 399.14 Mbit/s
95th percentile per-packet one-way delay: 134.070 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 353.42 Mbit/s
95th percentile per-packet one-way delay: 152.577 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 139.72 Mbit/s
95th percentile per-packet one-way delay: 88.086 ms
Loss rate: 3.64%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

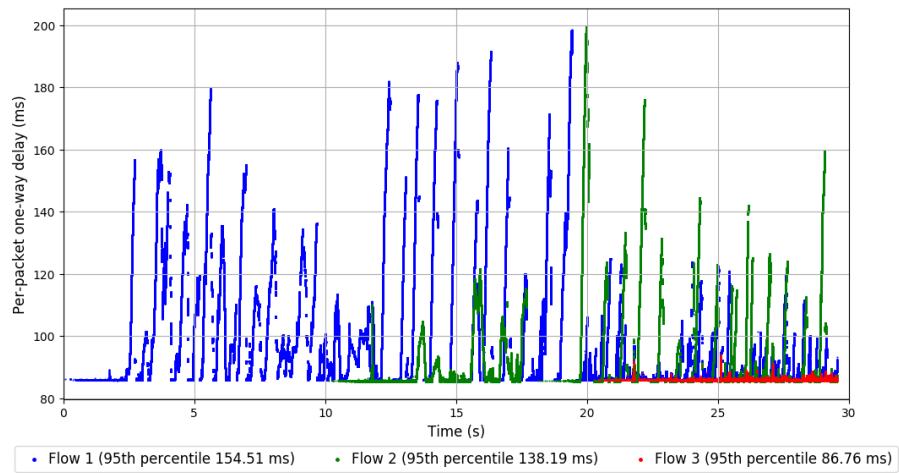
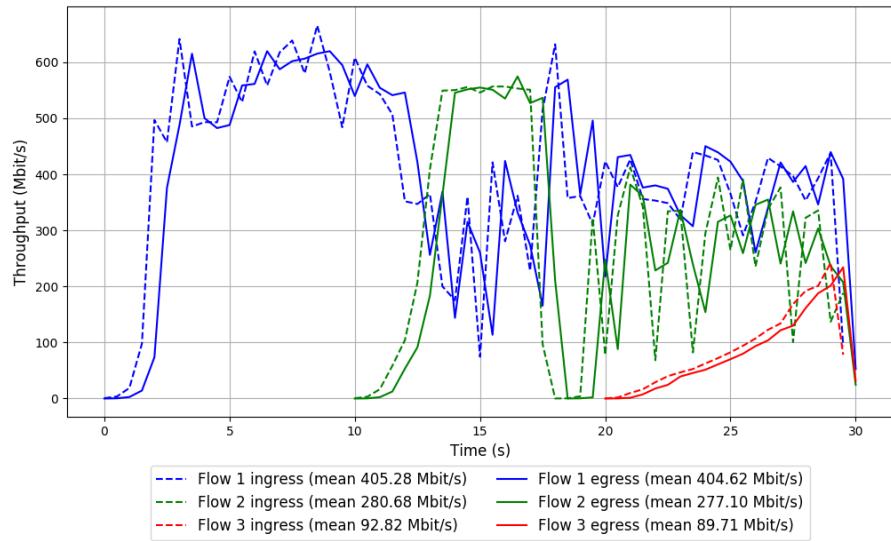


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 03:27:39
End at: 2019-07-12 03:28:09
Local clock offset: -0.435 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2019-07-12 07:48:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 615.53 Mbit/s
95th percentile per-packet one-way delay: 150.208 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 404.62 Mbit/s
95th percentile per-packet one-way delay: 154.506 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 277.10 Mbit/s
95th percentile per-packet one-way delay: 138.188 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 86.759 ms
Loss rate: 5.12%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

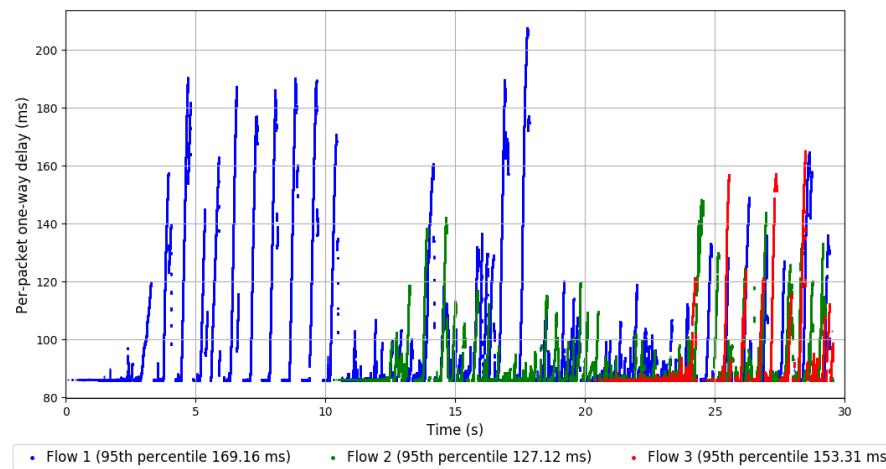
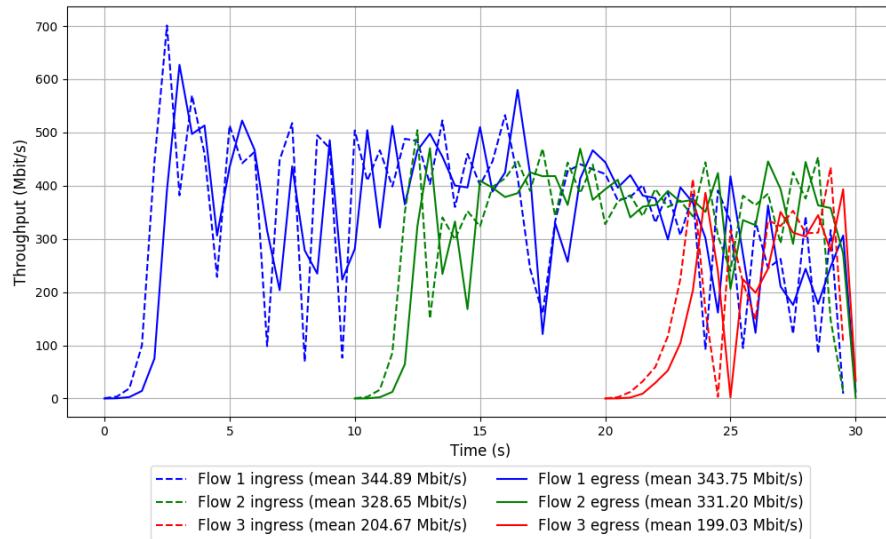


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 04:09:18
End at: 2019-07-12 04:09:48
Local clock offset: 0.122 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2019-07-12 07:48:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 624.74 Mbit/s
95th percentile per-packet one-way delay: 156.860 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 343.75 Mbit/s
95th percentile per-packet one-way delay: 169.157 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 331.20 Mbit/s
95th percentile per-packet one-way delay: 127.124 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 199.03 Mbit/s
95th percentile per-packet one-way delay: 153.314 ms
Loss rate: 4.52%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

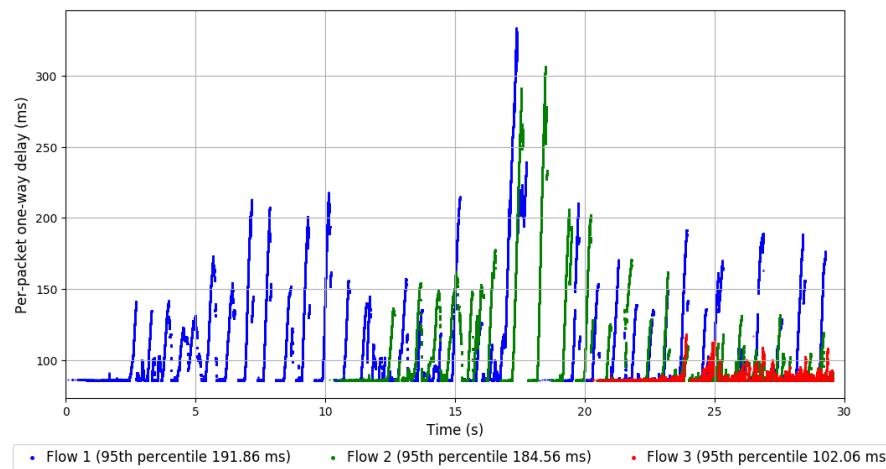
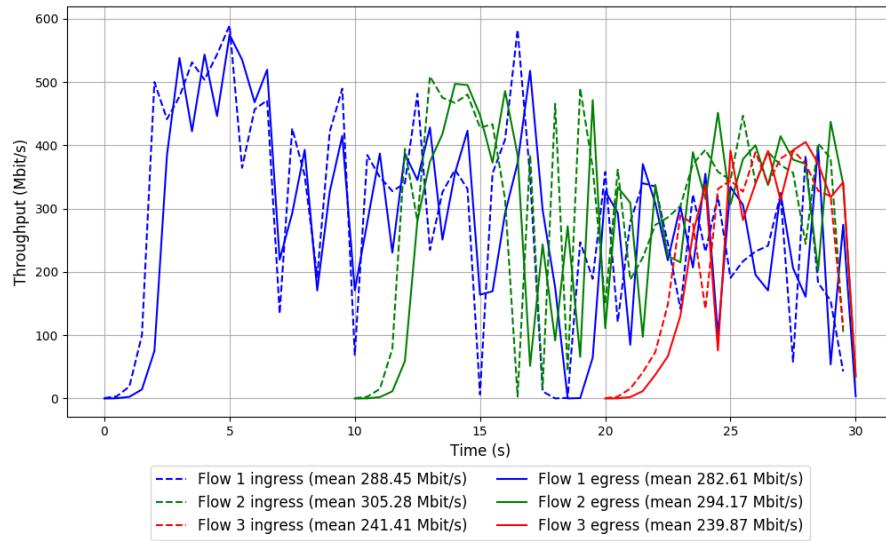


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 04:51:04
End at: 2019-07-12 04:51:34
Local clock offset: 0.232 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2019-07-12 07:49:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 552.67 Mbit/s
95th percentile per-packet one-way delay: 185.806 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 282.61 Mbit/s
95th percentile per-packet one-way delay: 191.856 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 294.17 Mbit/s
95th percentile per-packet one-way delay: 184.558 ms
Loss rate: 4.41%
-- Flow 3:
Average throughput: 239.87 Mbit/s
95th percentile per-packet one-way delay: 102.055 ms
Loss rate: 2.52%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

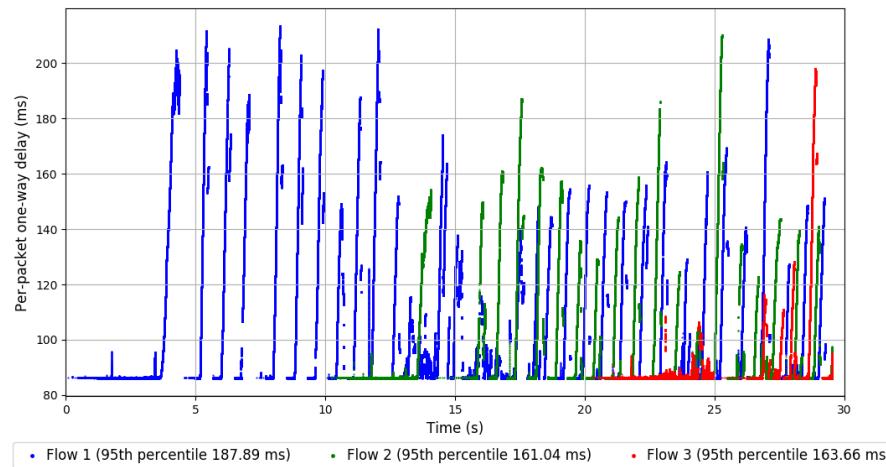
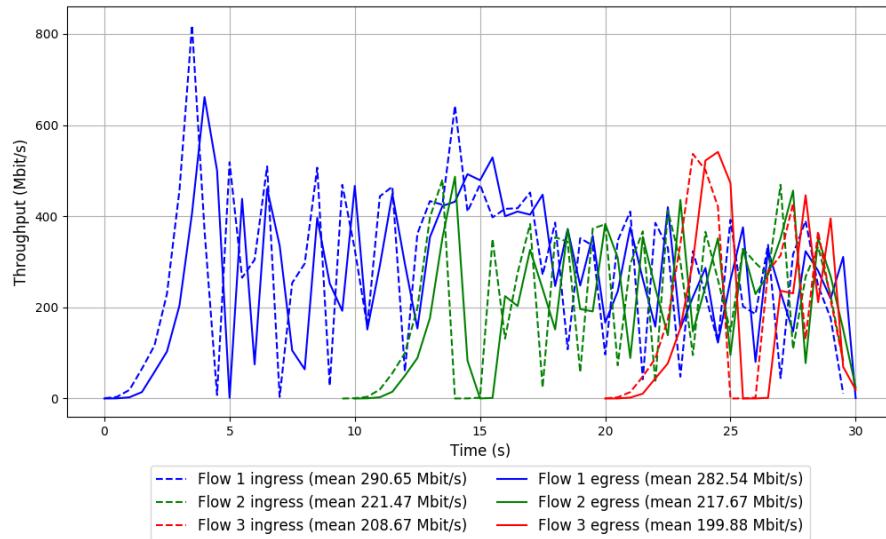


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 05:32:44
End at: 2019-07-12 05:33:14
Local clock offset: 0.229 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2019-07-12 07:49:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 489.81 Mbit/s
95th percentile per-packet one-way delay: 181.633 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 282.54 Mbit/s
95th percentile per-packet one-way delay: 187.889 ms
Loss rate: 3.35%
-- Flow 2:
Average throughput: 217.67 Mbit/s
95th percentile per-packet one-way delay: 161.042 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 199.88 Mbit/s
95th percentile per-packet one-way delay: 163.661 ms
Loss rate: 5.30%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

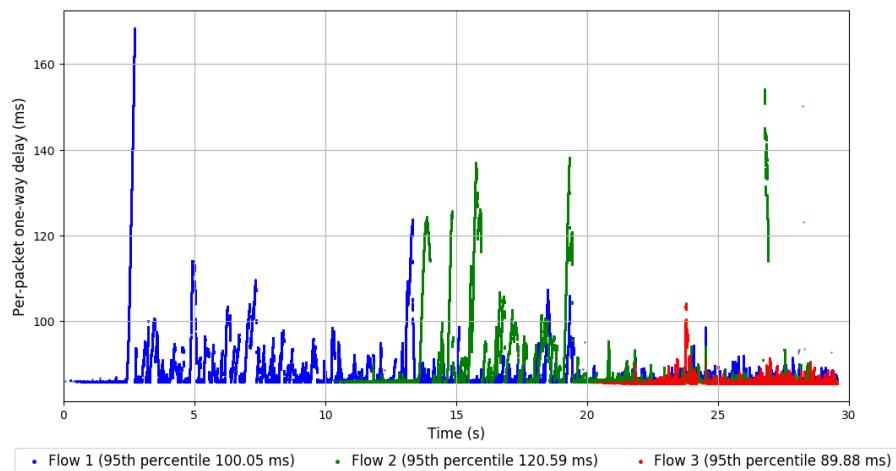
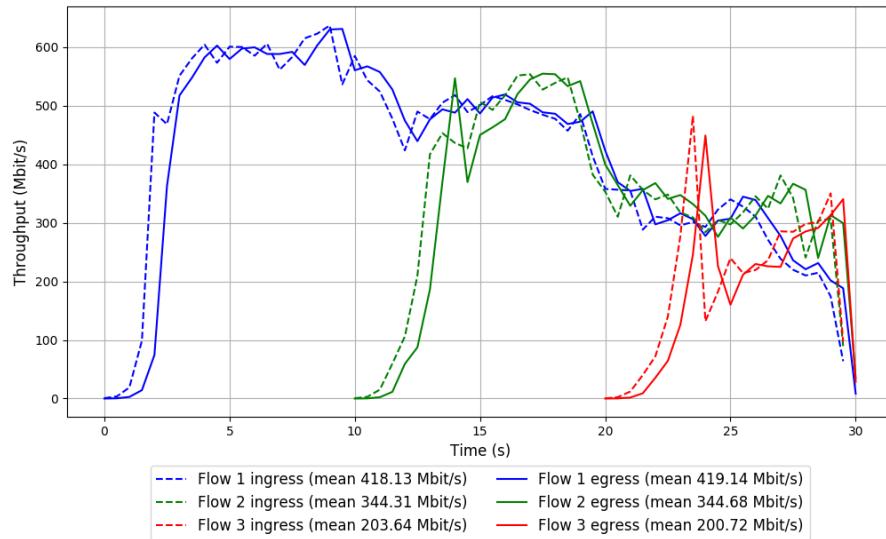


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 02:27:44
End at: 2019-07-12 02:28:14
Local clock offset: -0.327 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2019-07-12 07:52:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 709.61 Mbit/s
95th percentile per-packet one-way delay: 104.274 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 419.14 Mbit/s
95th percentile per-packet one-way delay: 100.048 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 344.68 Mbit/s
95th percentile per-packet one-way delay: 120.589 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 200.72 Mbit/s
95th percentile per-packet one-way delay: 89.882 ms
Loss rate: 3.26%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

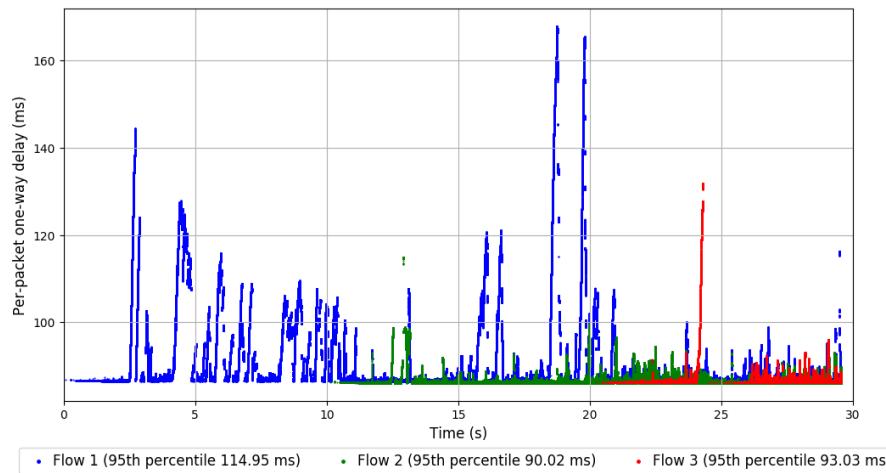
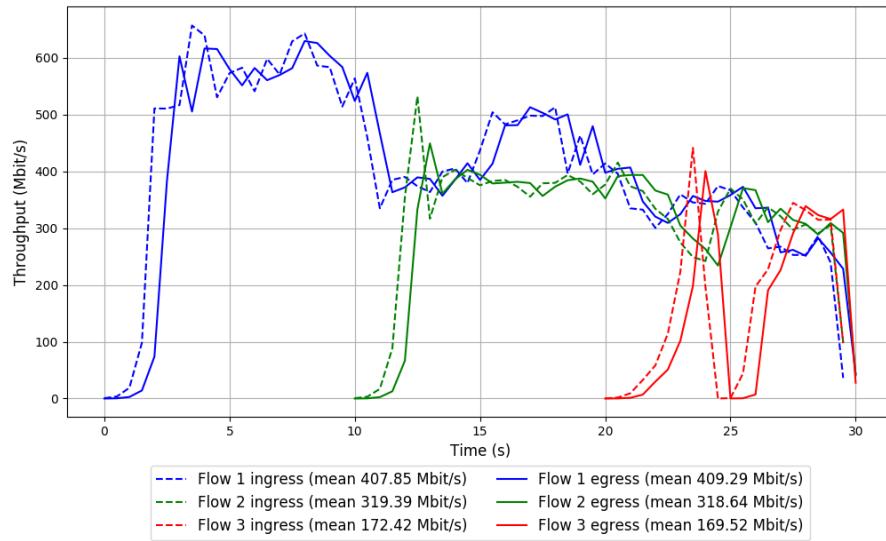


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 03:09:43
End at: 2019-07-12 03:10:13
Local clock offset: 0.254 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2019-07-12 07:52:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 672.53 Mbit/s
95th percentile per-packet one-way delay: 107.779 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 409.29 Mbit/s
95th percentile per-packet one-way delay: 114.952 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 318.64 Mbit/s
95th percentile per-packet one-way delay: 90.015 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 169.52 Mbit/s
95th percentile per-packet one-way delay: 93.027 ms
Loss rate: 3.56%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

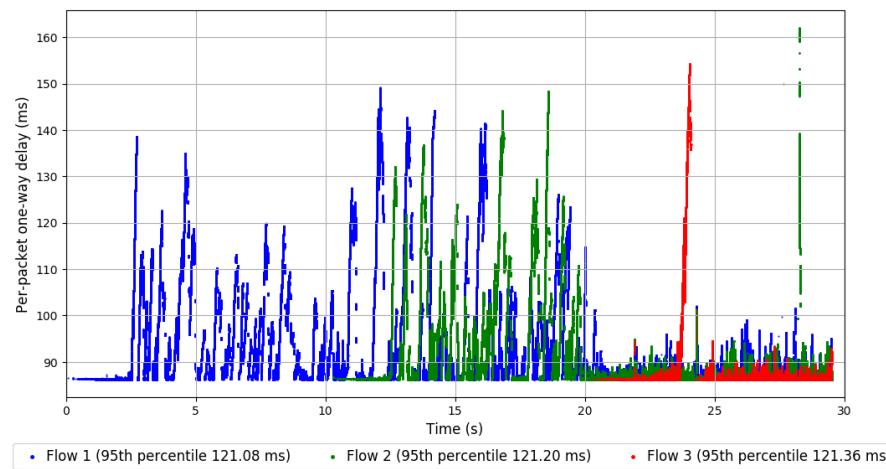
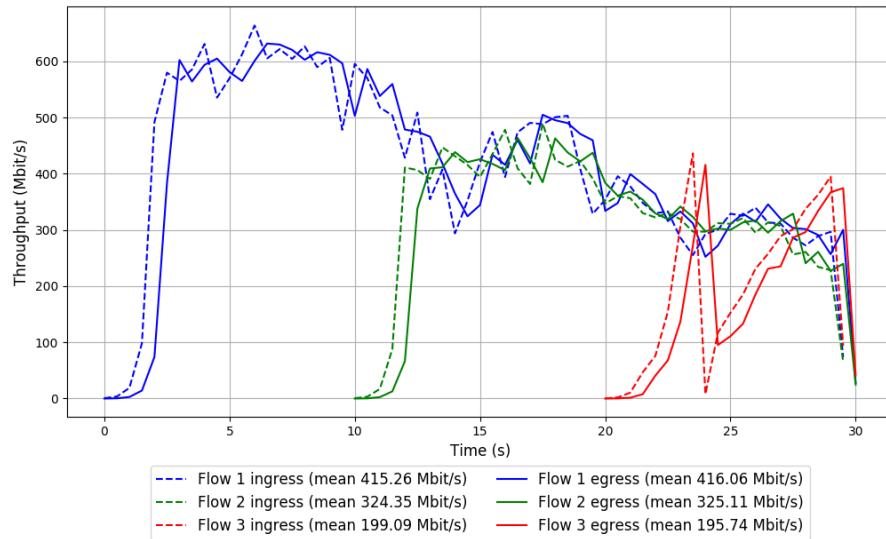


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 03:51:47
End at: 2019-07-12 03:52:17
Local clock offset: 0.282 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2019-07-12 07:59:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 692.07 Mbit/s
95th percentile per-packet one-way delay: 121.148 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 416.06 Mbit/s
95th percentile per-packet one-way delay: 121.084 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 325.11 Mbit/s
95th percentile per-packet one-way delay: 121.204 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 195.74 Mbit/s
95th percentile per-packet one-way delay: 121.359 ms
Loss rate: 3.46%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

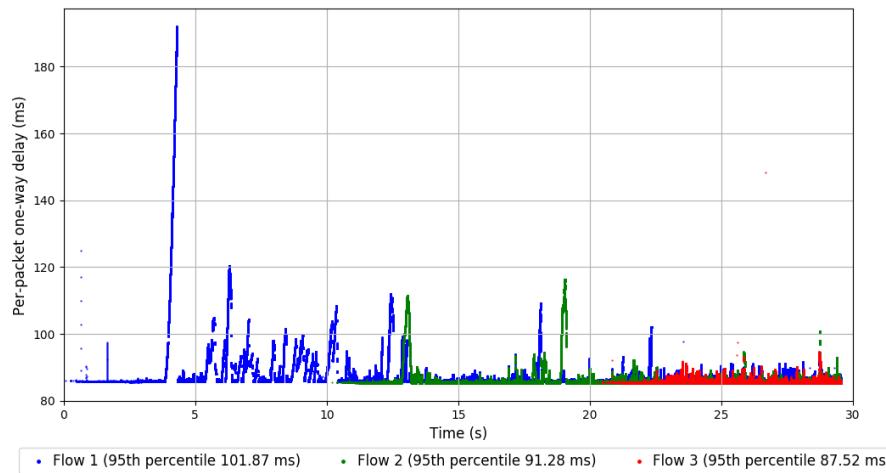
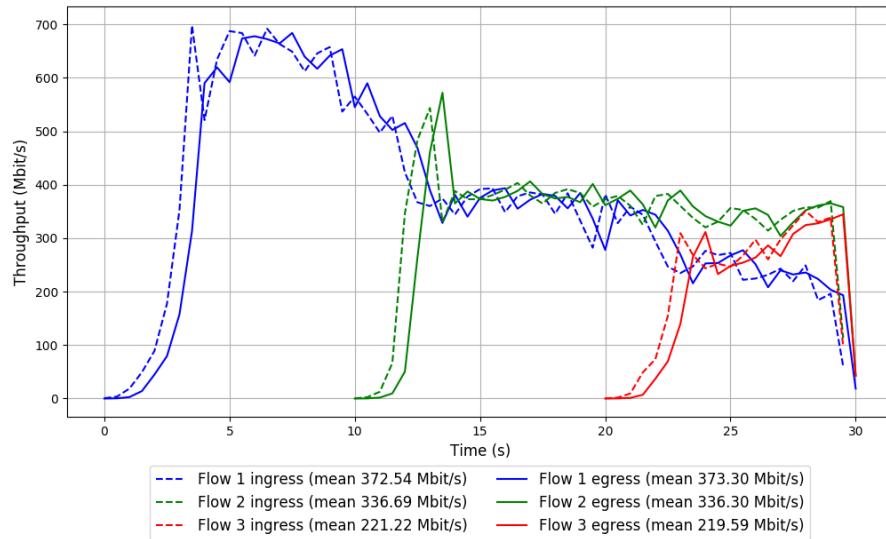


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 04:33:25
End at: 2019-07-12 04:33:55
Local clock offset: -0.291 ms
Remote clock offset: 0.057 ms

# Below is generated by plot.py at 2019-07-12 07:59:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 662.91 Mbit/s
95th percentile per-packet one-way delay: 97.695 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 373.30 Mbit/s
95th percentile per-packet one-way delay: 101.870 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 336.30 Mbit/s
95th percentile per-packet one-way delay: 91.282 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 219.59 Mbit/s
95th percentile per-packet one-way delay: 87.522 ms
Loss rate: 2.56%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

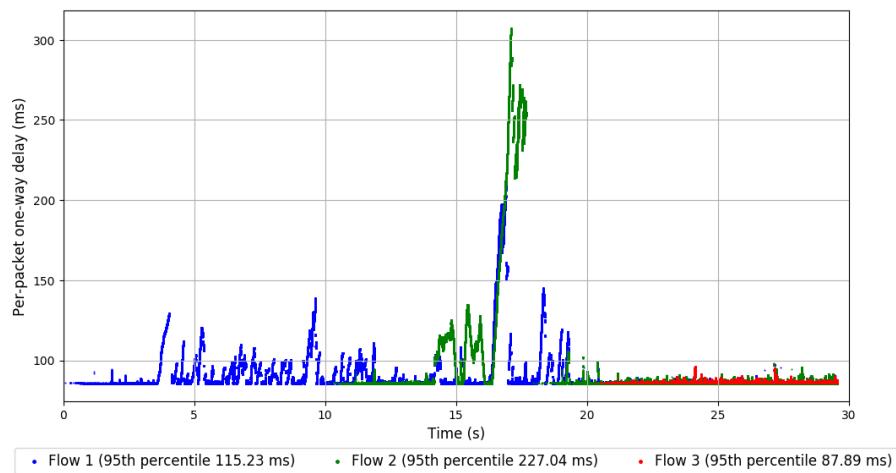
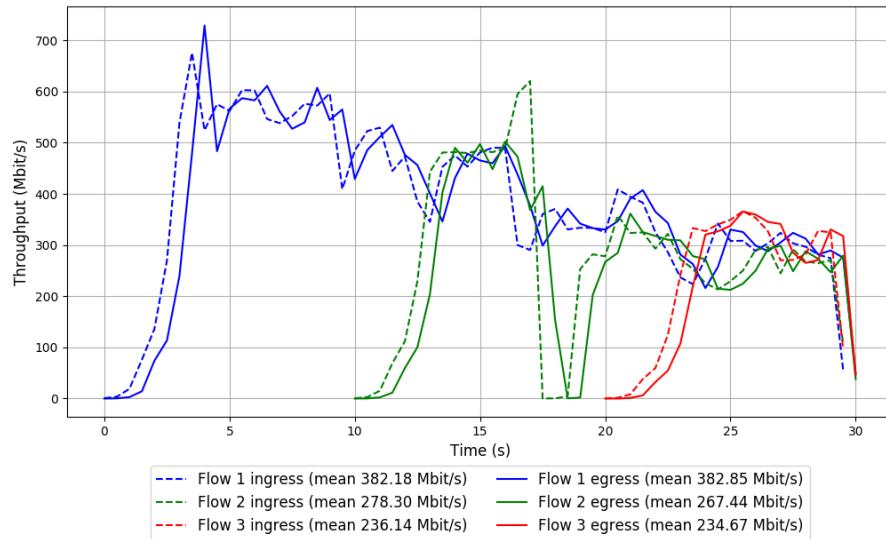


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 05:15:16
End at: 2019-07-12 05:15:46
Local clock offset: 0.118 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2019-07-12 07:59:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 632.46 Mbit/s
95th percentile per-packet one-way delay: 122.002 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 382.85 Mbit/s
95th percentile per-packet one-way delay: 115.233 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 267.44 Mbit/s
95th percentile per-packet one-way delay: 227.040 ms
Loss rate: 4.73%
-- Flow 3:
Average throughput: 234.67 Mbit/s
95th percentile per-packet one-way delay: 87.890 ms
Loss rate: 2.45%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

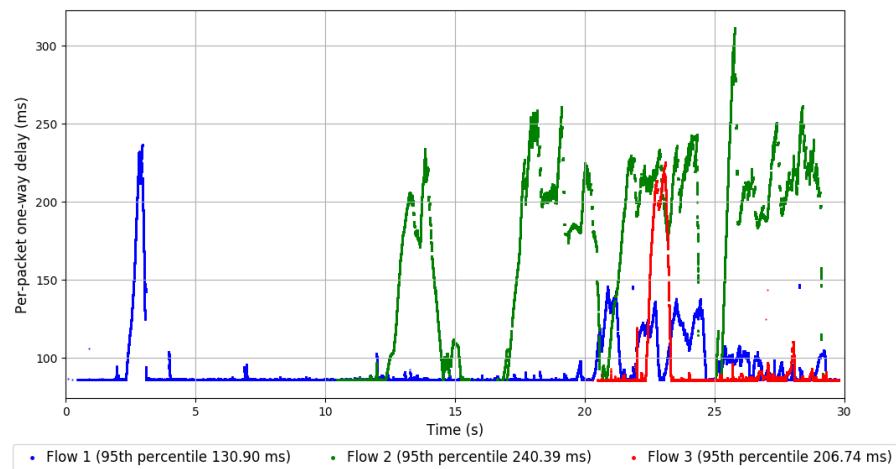
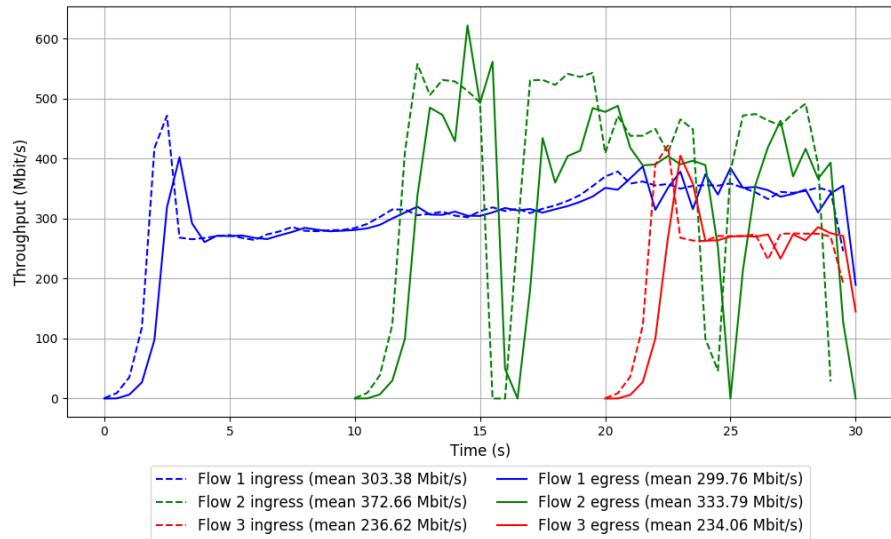


Run 1: Statistics of PCC-Allegro

```
Start at: 2019-07-12 02:34:34
End at: 2019-07-12 02:35:04
Local clock offset: -0.009 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2019-07-12 08:09:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 594.62 Mbit/s
95th percentile per-packet one-way delay: 224.298 ms
Loss rate: 5.27%
-- Flow 1:
Average throughput: 299.76 Mbit/s
95th percentile per-packet one-way delay: 130.903 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 333.79 Mbit/s
95th percentile per-packet one-way delay: 240.392 ms
Loss rate: 10.43%
-- Flow 3:
Average throughput: 234.06 Mbit/s
95th percentile per-packet one-way delay: 206.735 ms
Loss rate: 2.82%
```

Run 1: Report of PCC-Allegro — Data Link

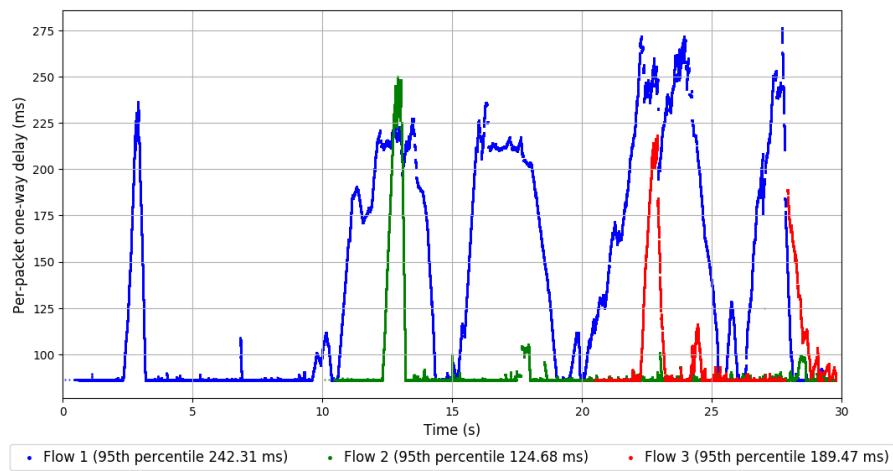
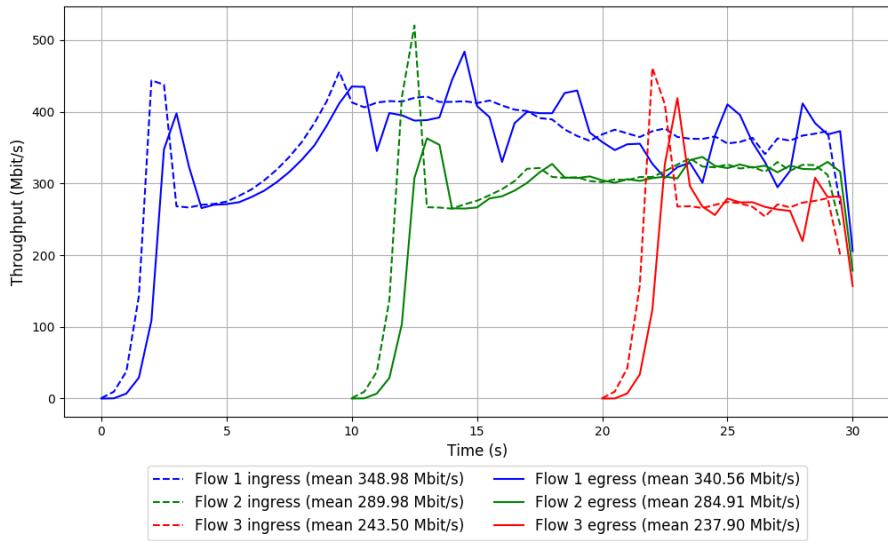


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-07-12 03:16:33
End at: 2019-07-12 03:17:03
Local clock offset: 0.065 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2019-07-12 08:10:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 606.86 Mbit/s
95th percentile per-packet one-way delay: 229.357 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 340.56 Mbit/s
95th percentile per-packet one-way delay: 242.307 ms
Loss rate: 2.98%
-- Flow 2:
Average throughput: 284.91 Mbit/s
95th percentile per-packet one-way delay: 124.680 ms
Loss rate: 2.60%
-- Flow 3:
Average throughput: 237.90 Mbit/s
95th percentile per-packet one-way delay: 189.474 ms
Loss rate: 4.01%
```

Run 2: Report of PCC-Allegro — Data Link

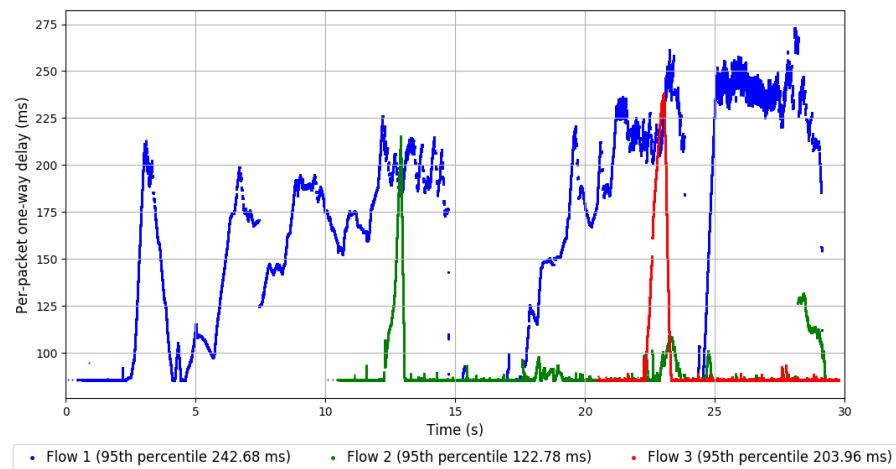
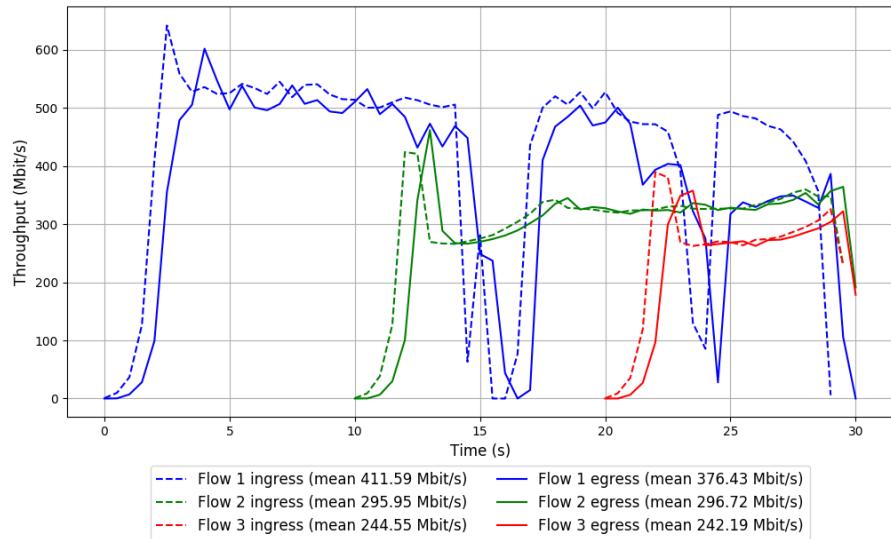


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-07-12 03:58:19
End at: 2019-07-12 03:58:49
Local clock offset: -0.33 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2019-07-12 08:12:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 649.26 Mbit/s
95th percentile per-packet one-way delay: 236.904 ms
Loss rate: 5.67%
-- Flow 1:
Average throughput: 376.43 Mbit/s
95th percentile per-packet one-way delay: 242.677 ms
Loss rate: 8.54%
-- Flow 2:
Average throughput: 296.72 Mbit/s
95th percentile per-packet one-way delay: 122.782 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 242.19 Mbit/s
95th percentile per-packet one-way delay: 203.955 ms
Loss rate: 2.71%
```

Run 3: Report of PCC-Allegro — Data Link

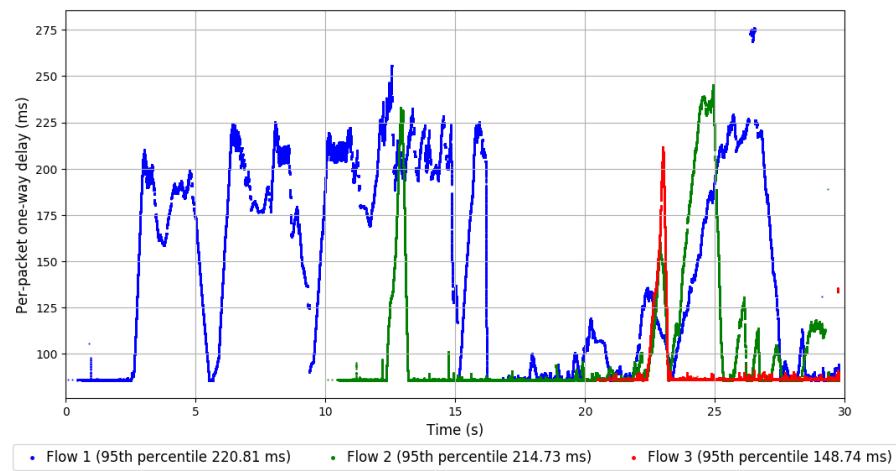
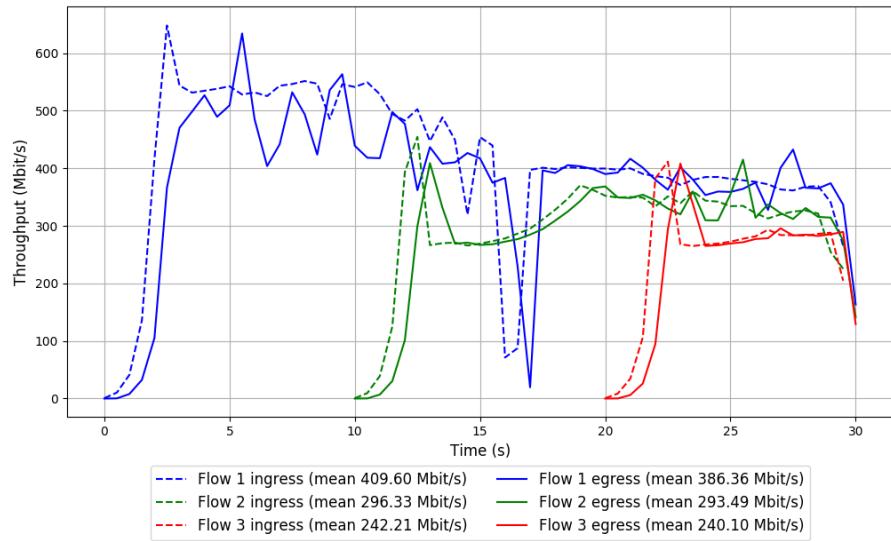


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-07-12 04:39:56
End at: 2019-07-12 04:40:26
Local clock offset: 0.167 ms
Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2019-07-12 08:17:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 659.12 Mbit/s
95th percentile per-packet one-way delay: 219.300 ms
Loss rate: 4.54%
-- Flow 1:
Average throughput: 386.36 Mbit/s
95th percentile per-packet one-way delay: 220.812 ms
Loss rate: 6.22%
-- Flow 2:
Average throughput: 293.49 Mbit/s
95th percentile per-packet one-way delay: 214.732 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 240.10 Mbit/s
95th percentile per-packet one-way delay: 148.739 ms
Loss rate: 2.60%
```

Run 4: Report of PCC-Allegro — Data Link

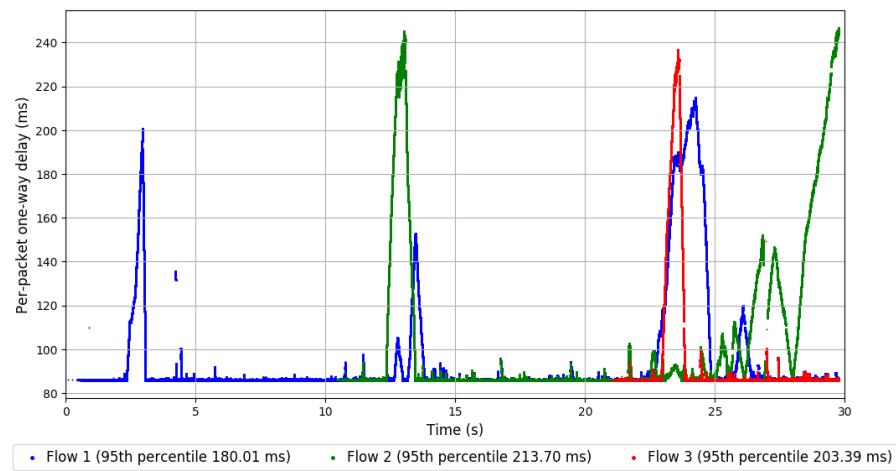
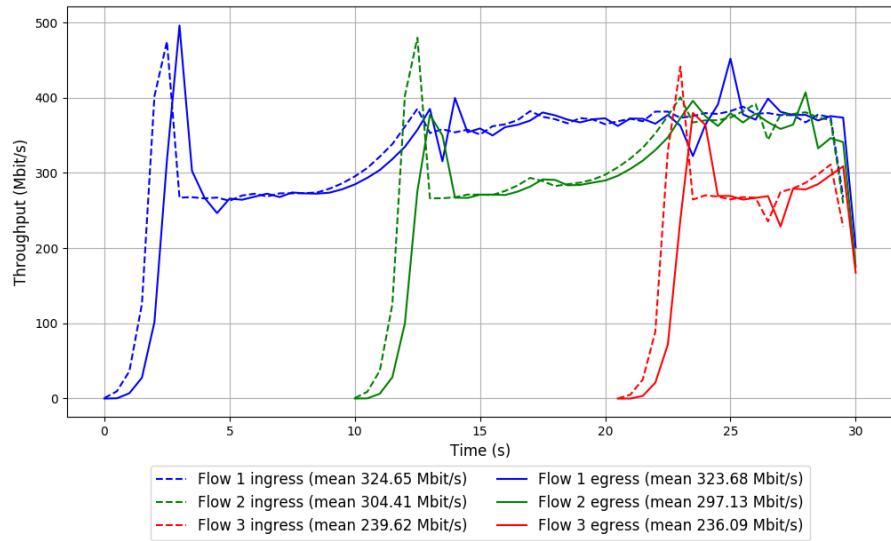


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-07-12 05:21:52
End at: 2019-07-12 05:22:22
Local clock offset: -0.12 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2019-07-12 08:17:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 592.41 Mbit/s
95th percentile per-packet one-way delay: 187.794 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 323.68 Mbit/s
95th percentile per-packet one-way delay: 180.011 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 297.13 Mbit/s
95th percentile per-packet one-way delay: 213.697 ms
Loss rate: 3.24%
-- Flow 3:
Average throughput: 236.09 Mbit/s
95th percentile per-packet one-way delay: 203.394 ms
Loss rate: 3.31%
```

Run 5: Report of PCC-Allegro — Data Link

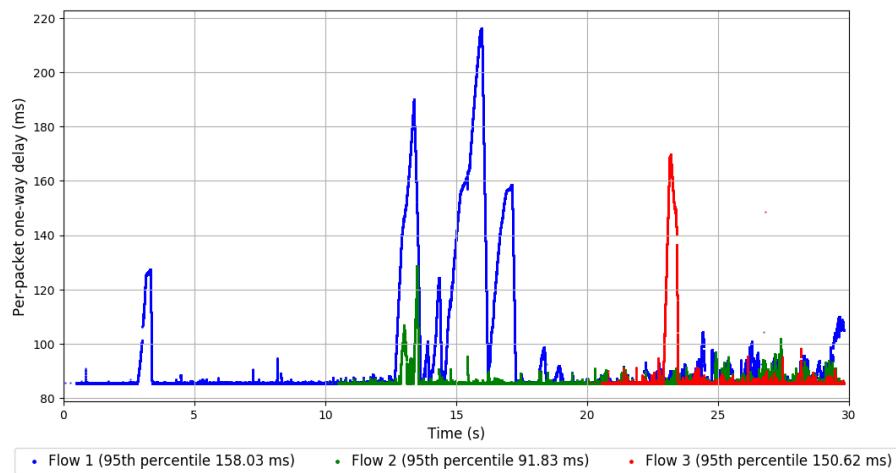
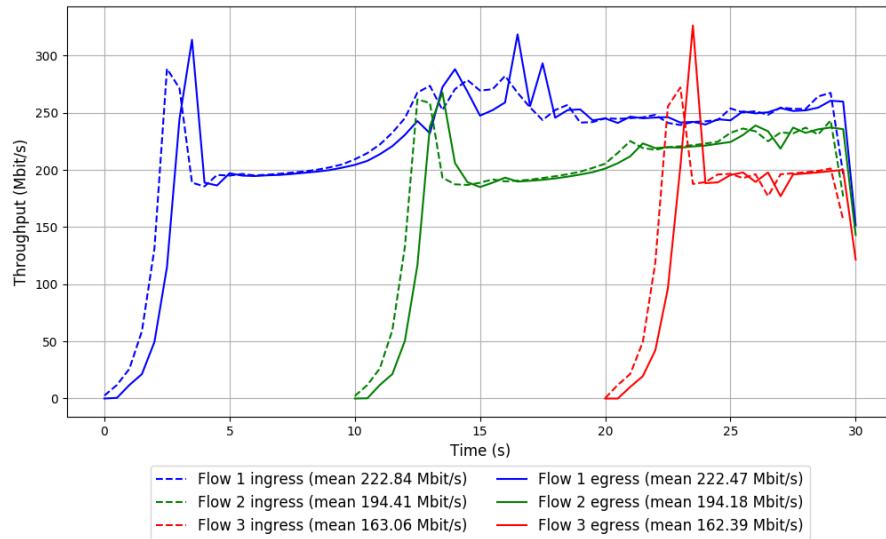


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-07-12 02:41:38
End at: 2019-07-12 02:42:08
Local clock offset: -0.457 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2019-07-12 08:17:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 404.13 Mbit/s
95th percentile per-packet one-way delay: 148.585 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 222.47 Mbit/s
95th percentile per-packet one-way delay: 158.032 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 194.18 Mbit/s
95th percentile per-packet one-way delay: 91.828 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 162.39 Mbit/s
95th percentile per-packet one-way delay: 150.621 ms
Loss rate: 2.18%
```

Run 1: Report of PCC-Expr — Data Link

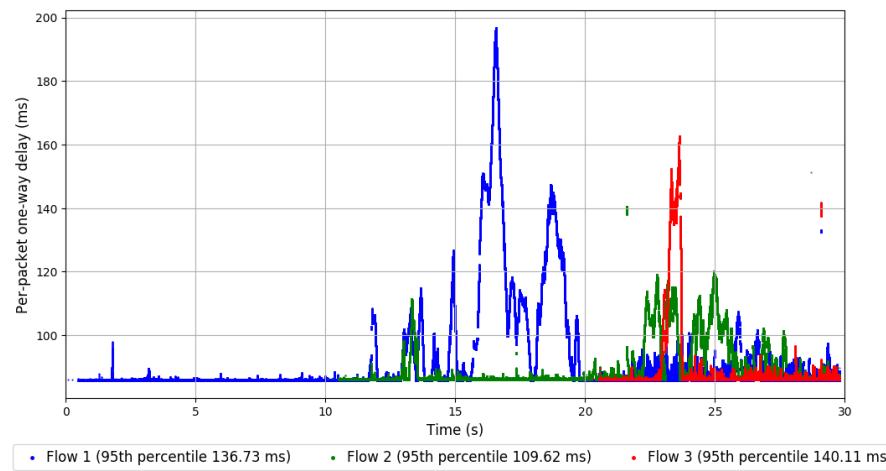
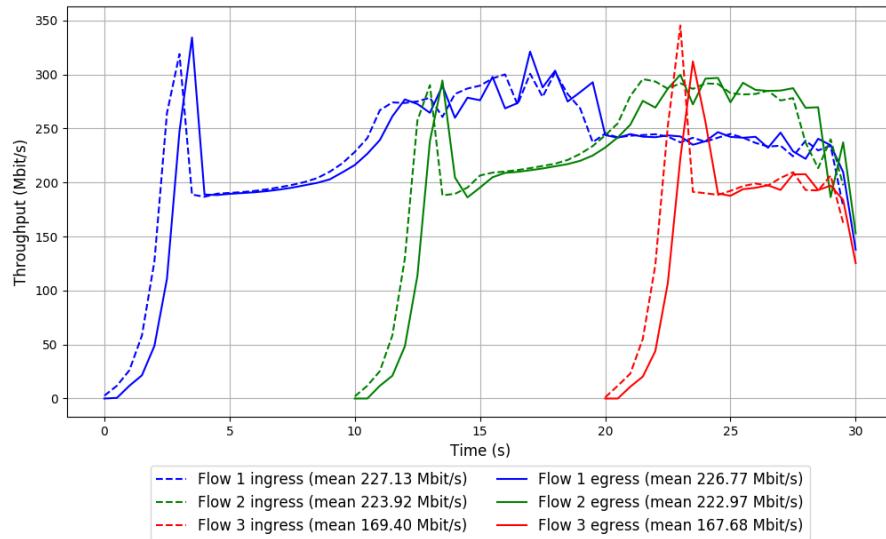


Run 2: Statistics of PCC-Expr

```
Start at: 2019-07-12 03:23:35
End at: 2019-07-12 03:24:05
Local clock offset: -0.142 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2019-07-12 08:17:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 429.19 Mbit/s
95th percentile per-packet one-way delay: 123.285 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 226.77 Mbit/s
95th percentile per-packet one-way delay: 136.731 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 222.97 Mbit/s
95th percentile per-packet one-way delay: 109.619 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 167.68 Mbit/s
95th percentile per-packet one-way delay: 140.109 ms
Loss rate: 2.75%
```

Run 2: Report of PCC-Expr — Data Link

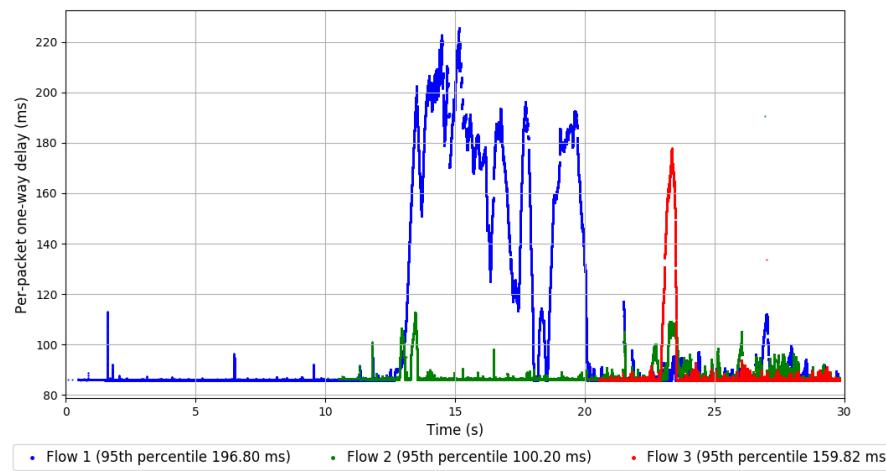
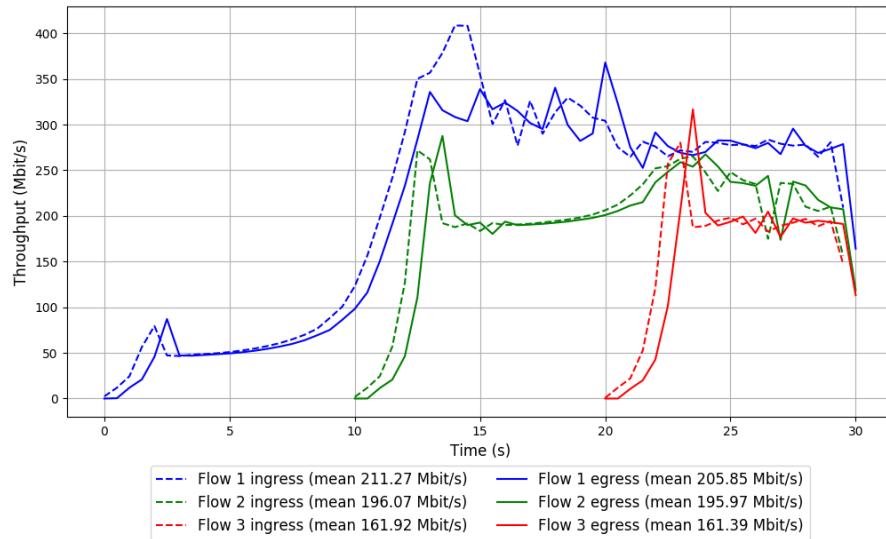


Run 3: Statistics of PCC-Expr

```
Start at: 2019-07-12 04:05:25
End at: 2019-07-12 04:05:55
Local clock offset: -0.124 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2019-07-12 08:17:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 388.46 Mbit/s
95th percentile per-packet one-way delay: 187.560 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 205.85 Mbit/s
95th percentile per-packet one-way delay: 196.803 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 195.97 Mbit/s
95th percentile per-packet one-way delay: 100.196 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 161.39 Mbit/s
95th percentile per-packet one-way delay: 159.817 ms
Loss rate: 2.08%
```

Run 3: Report of PCC-Expr — Data Link

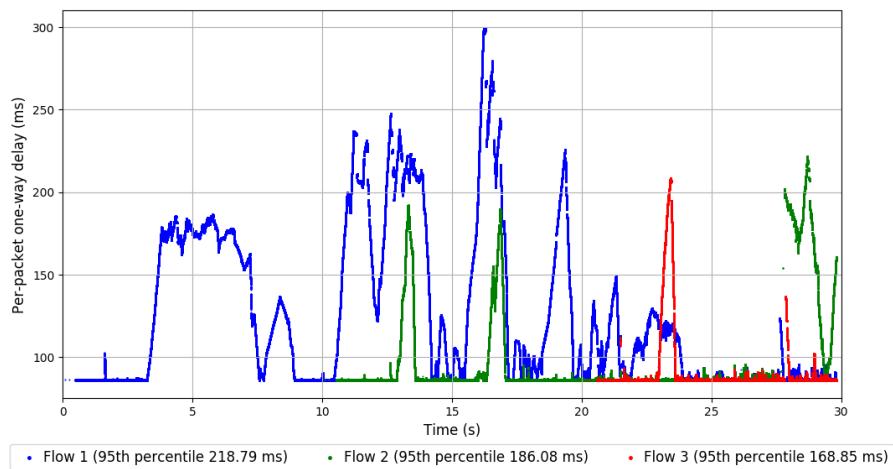
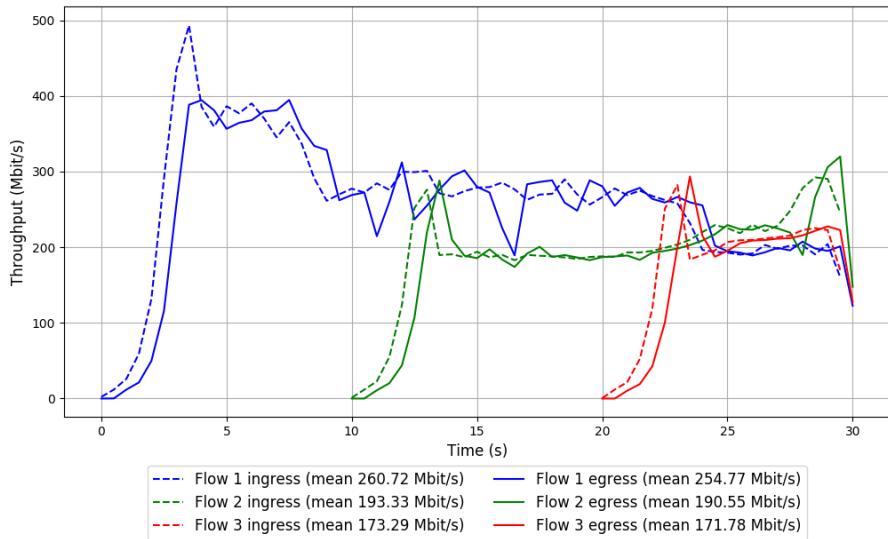


Run 4: Statistics of PCC-Expr

```
Start at: 2019-07-12 04:47:05
End at: 2019-07-12 04:47:35
Local clock offset: 0.163 ms
Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2019-07-12 08:24:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 437.07 Mbit/s
95th percentile per-packet one-way delay: 208.654 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 254.77 Mbit/s
95th percentile per-packet one-way delay: 218.791 ms
Loss rate: 2.85%
-- Flow 2:
Average throughput: 190.55 Mbit/s
95th percentile per-packet one-way delay: 186.081 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 171.78 Mbit/s
95th percentile per-packet one-way delay: 168.851 ms
Loss rate: 2.61%
```

Run 4: Report of PCC-Expr — Data Link

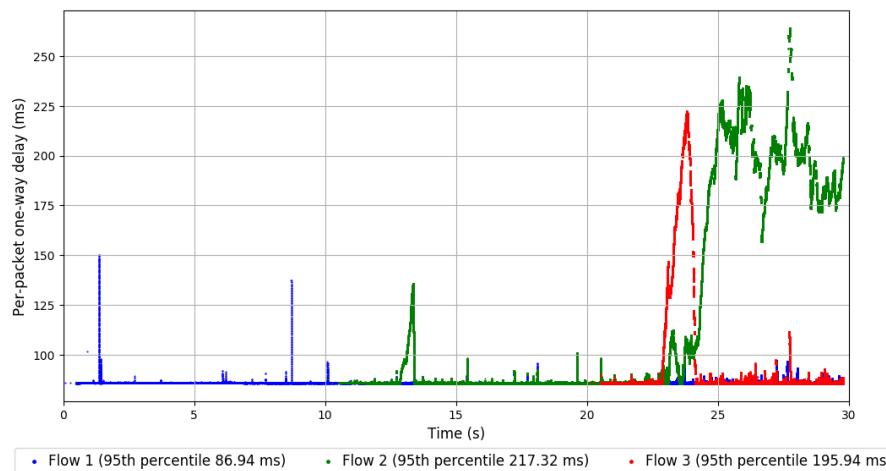
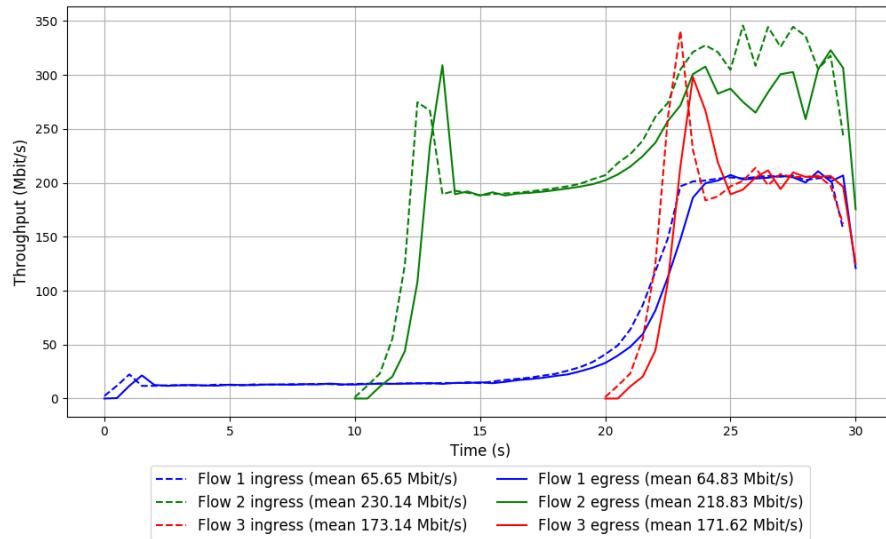


Run 5: Statistics of PCC-Expr

```
Start at: 2019-07-12 05:28:55
End at: 2019-07-12 05:29:25
Local clock offset: -0.205 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2019-07-12 08:24:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 265.88 Mbit/s
95th percentile per-packet one-way delay: 211.634 ms
Loss rate: 4.16%
-- Flow 1:
Average throughput: 64.83 Mbit/s
95th percentile per-packet one-way delay: 86.941 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 218.83 Mbit/s
95th percentile per-packet one-way delay: 217.318 ms
Loss rate: 5.75%
-- Flow 3:
Average throughput: 171.62 Mbit/s
95th percentile per-packet one-way delay: 195.943 ms
Loss rate: 2.62%
```

Run 5: Report of PCC-Expr — Data Link

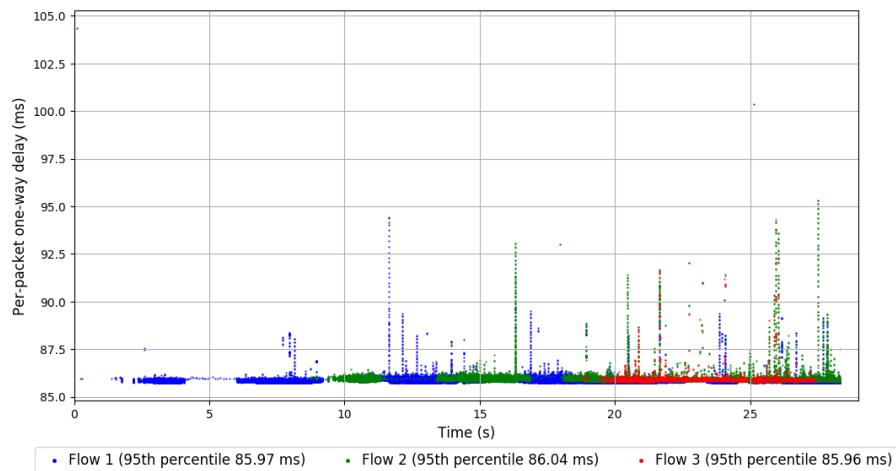
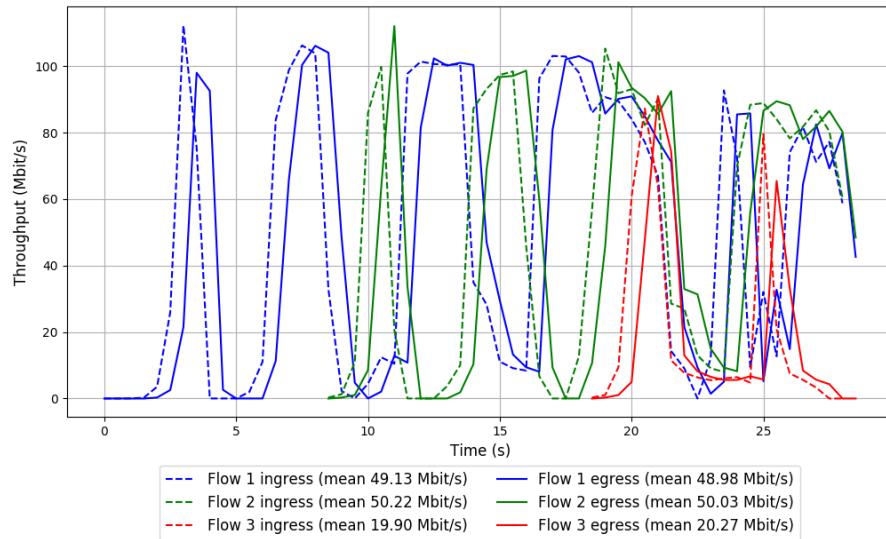


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-07-12 02:55:03
End at: 2019-07-12 02:55:33
Local clock offset: -0.021 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2019-07-12 08:24:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.82 Mbit/s
95th percentile per-packet one-way delay: 86.001 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 85.974 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: 86.036 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 20.27 Mbit/s
95th percentile per-packet one-way delay: 85.957 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

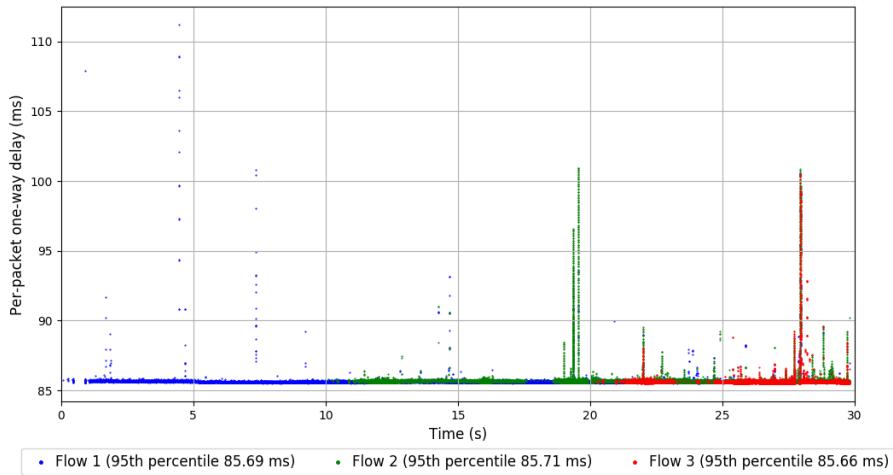
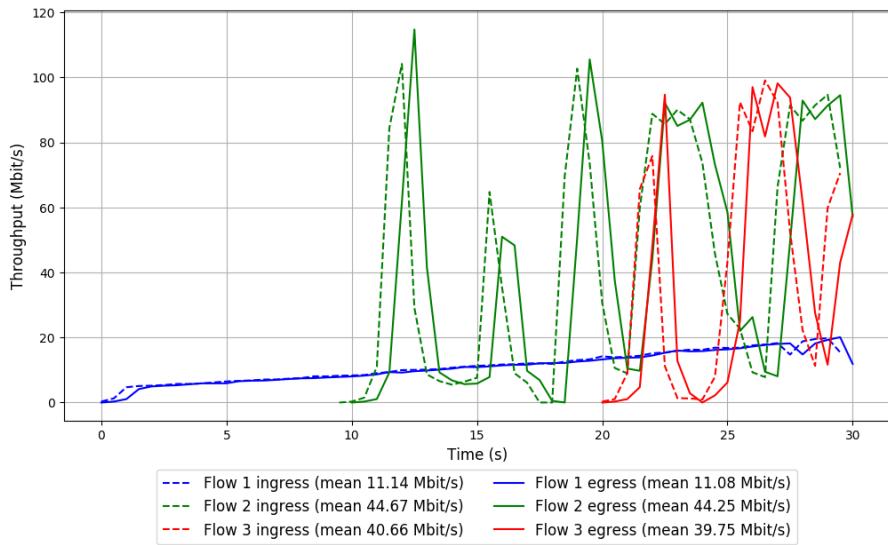


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-07-12 03:36:52
End at: 2019-07-12 03:37:22
Local clock offset: -0.414 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2019-07-12 08:24:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 85.702 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 11.08 Mbit/s
95th percentile per-packet one-way delay: 85.690 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 44.25 Mbit/s
95th percentile per-packet one-way delay: 85.714 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 85.663 ms
Loss rate: 3.91%
```

Run 2: Report of QUIC Cubic — Data Link

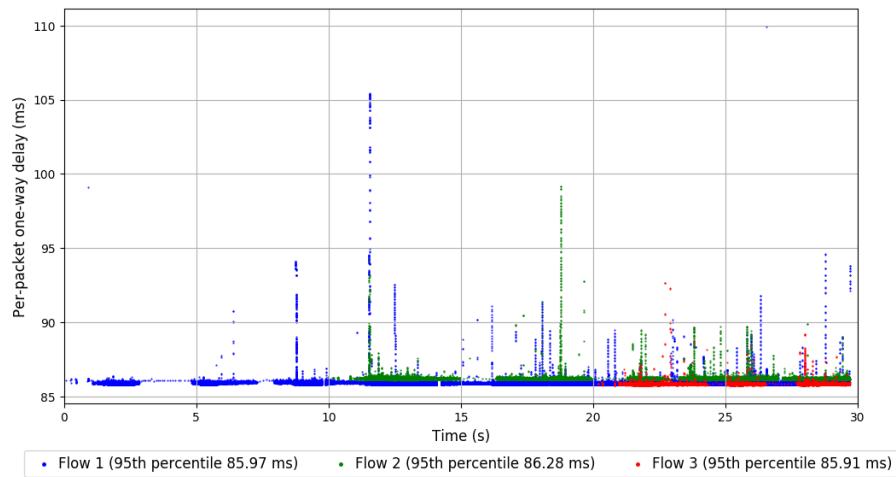
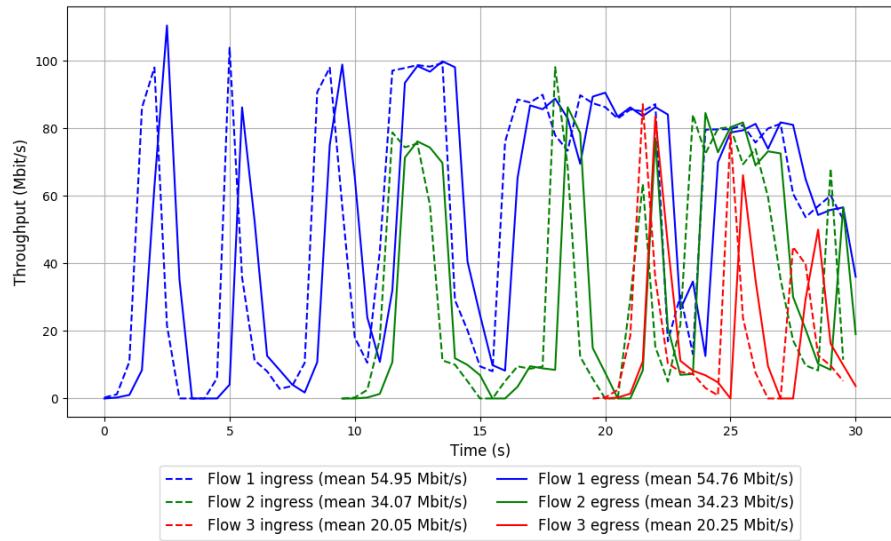


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-07-12 04:18:38
End at: 2019-07-12 04:19:08
Local clock offset: 0.058 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2019-07-12 08:24:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.18 Mbit/s
95th percentile per-packet one-way delay: 86.225 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 54.76 Mbit/s
95th percentile per-packet one-way delay: 85.970 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 34.23 Mbit/s
95th percentile per-packet one-way delay: 86.278 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 20.25 Mbit/s
95th percentile per-packet one-way delay: 85.907 ms
Loss rate: 0.77%
```

Run 3: Report of QUIC Cubic — Data Link

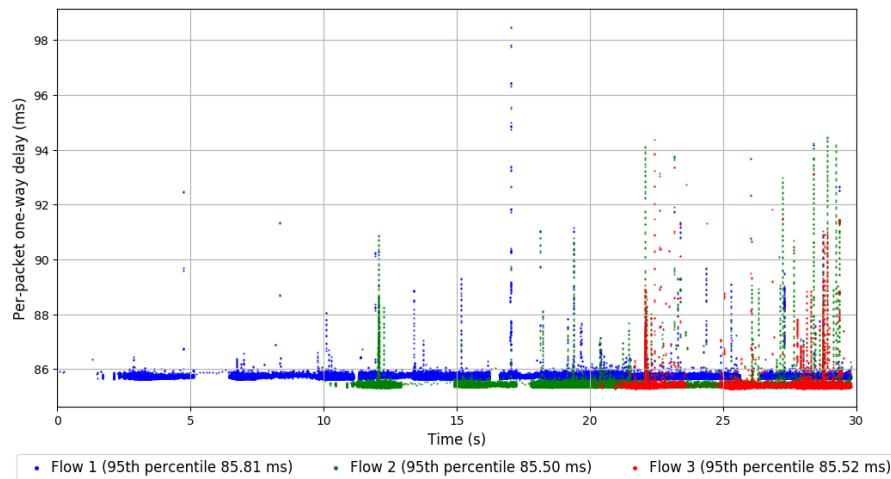
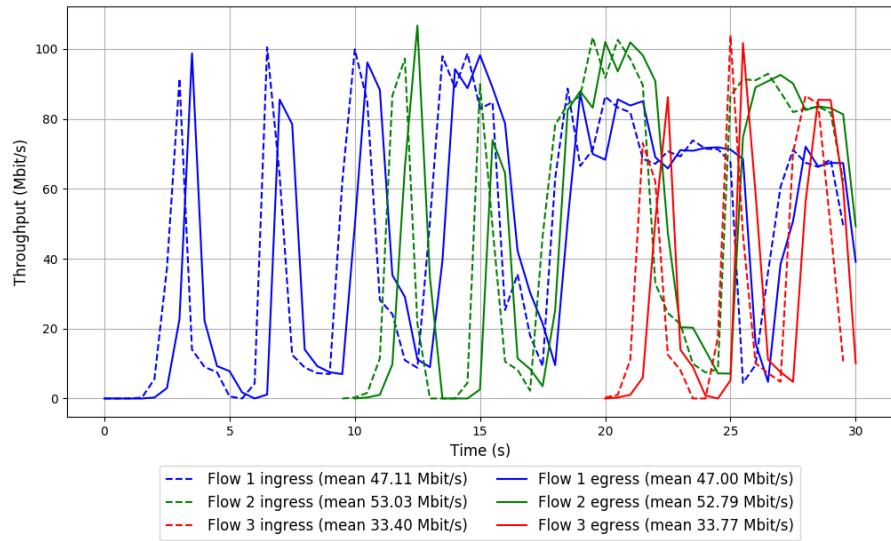


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-07-12 05:00:14
End at: 2019-07-12 05:00:44
Local clock offset: -0.232 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2019-07-12 08:24:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 85.793 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 47.00 Mbit/s
95th percentile per-packet one-way delay: 85.812 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 52.79 Mbit/s
95th percentile per-packet one-way delay: 85.503 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 33.77 Mbit/s
95th percentile per-packet one-way delay: 85.515 ms
Loss rate: 0.63%
```

Run 4: Report of QUIC Cubic — Data Link

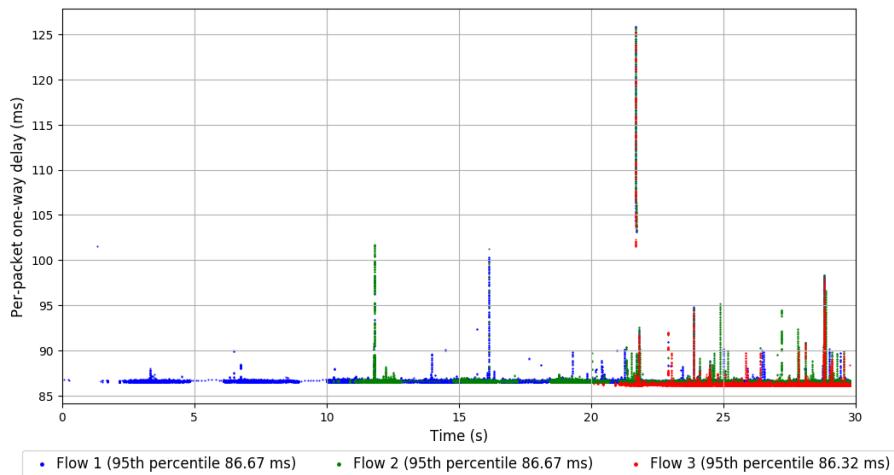
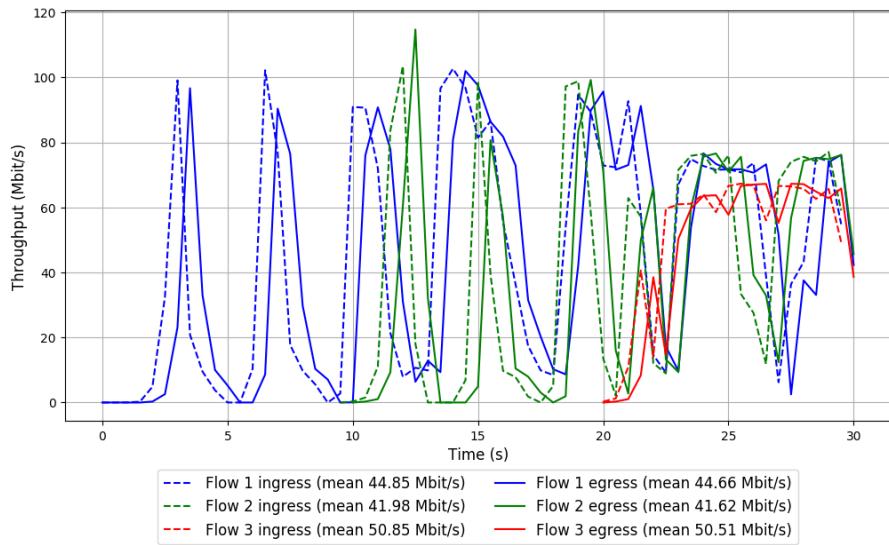


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-07-12 05:42:05
End at: 2019-07-12 05:42:35
Local clock offset: 0.344 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2019-07-12 08:24:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 86.658 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 44.66 Mbit/s
95th percentile per-packet one-way delay: 86.665 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 41.62 Mbit/s
95th percentile per-packet one-way delay: 86.671 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 50.51 Mbit/s
95th percentile per-packet one-way delay: 86.319 ms
Loss rate: 2.37%
```

Run 5: Report of QUIC Cubic — Data Link

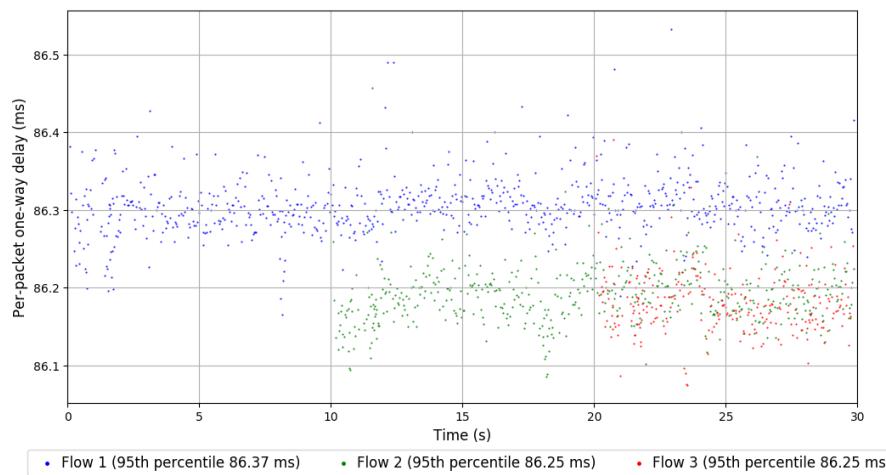
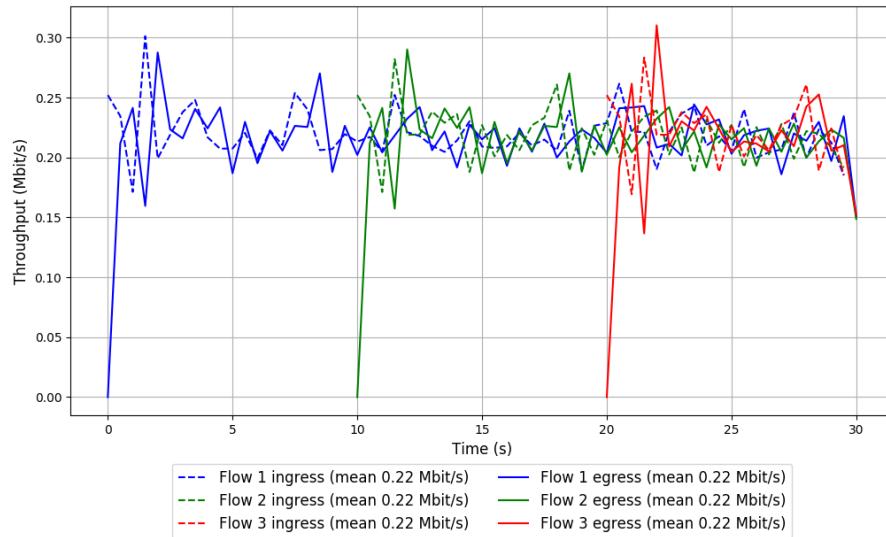


Run 1: Statistics of SCReAM

```
Start at: 2019-07-12 02:29:38
End at: 2019-07-12 02:30:08
Local clock offset: 0.18 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2019-07-12 08:24:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.348 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.372 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.249 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.245 ms
Loss rate: 1.85%
```

Run 1: Report of SCReAM — Data Link

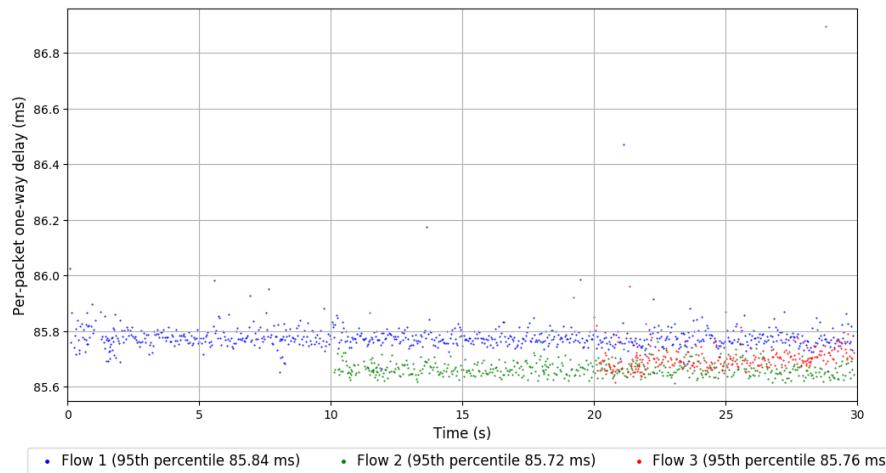
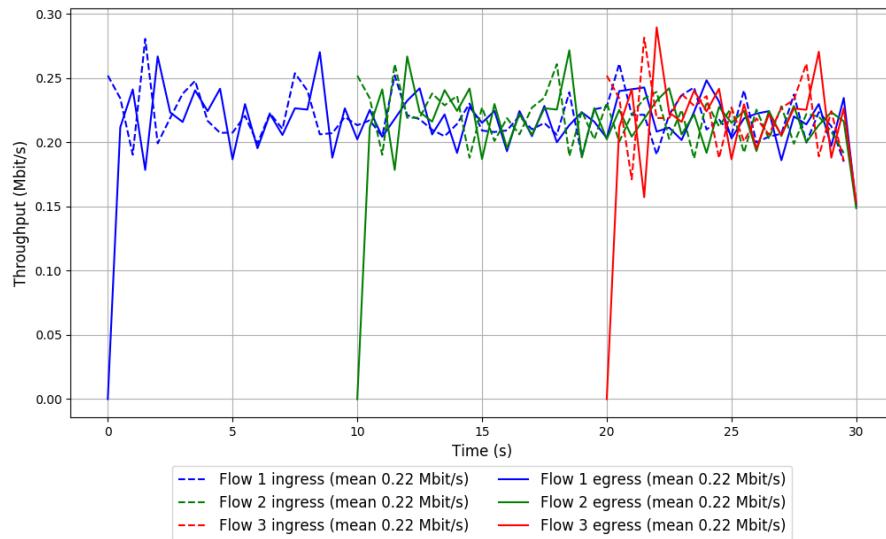


Run 2: Statistics of SCReAM

```
Start at: 2019-07-12 03:11:35
End at: 2019-07-12 03:12:05
Local clock offset: -0.334 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2019-07-12 08:24:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 85.816 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.837 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.718 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.762 ms
Loss rate: 1.46%
```

Run 2: Report of SCReAM — Data Link

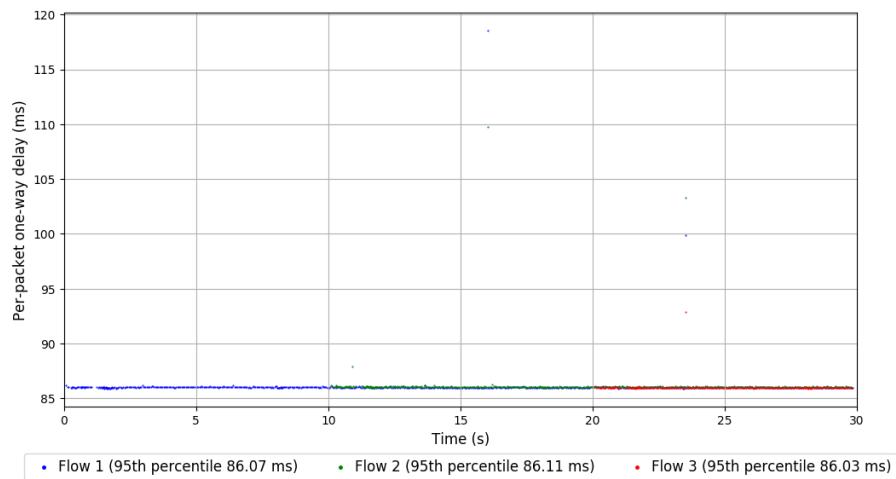
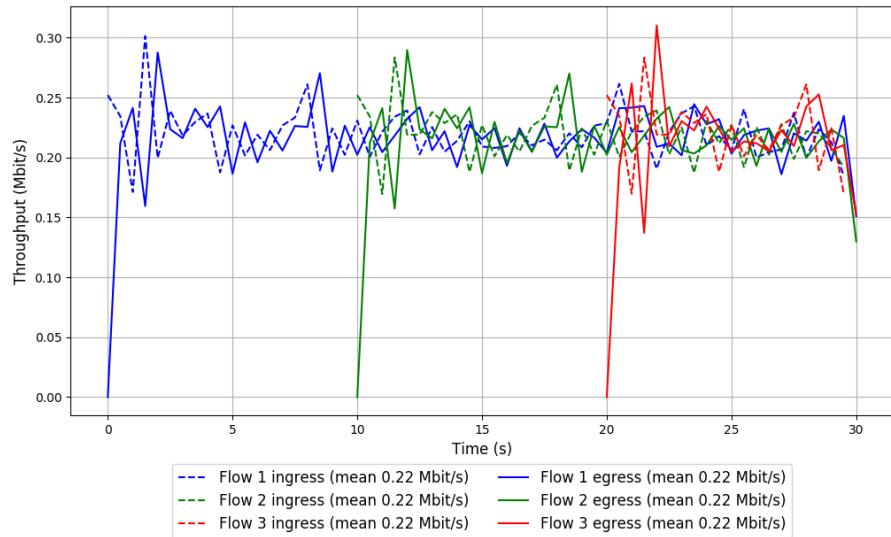


Run 3: Statistics of SCReAM

```
Start at: 2019-07-12 03:53:40
End at: 2019-07-12 03:54:10
Local clock offset: -0.086 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2019-07-12 08:24:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.084 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.067 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.105 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.027 ms
Loss rate: 1.50%
```

Run 3: Report of SCReAM — Data Link

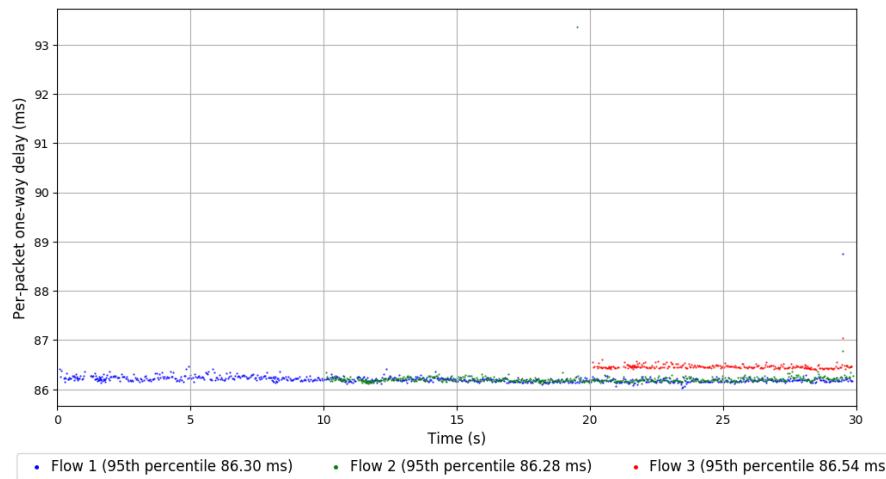
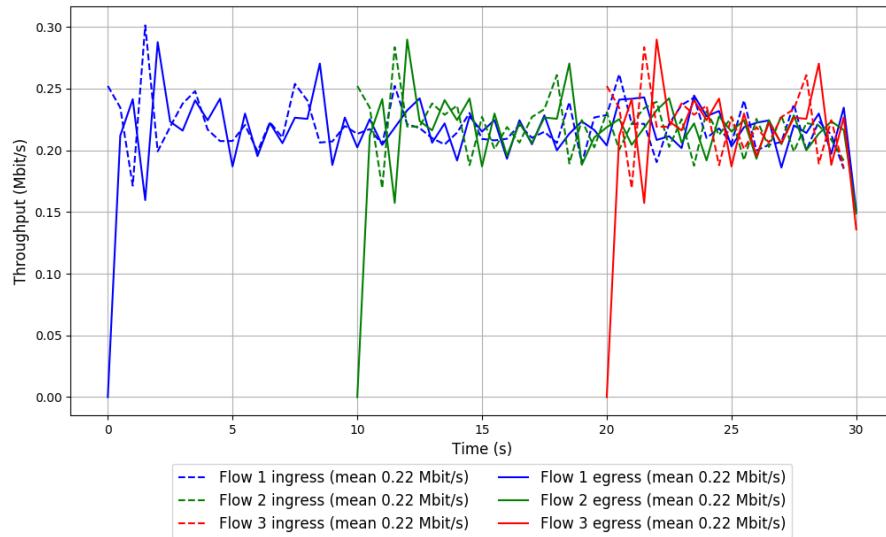


Run 4: Statistics of SCReAM

```
Start at: 2019-07-12 04:35:17
End at: 2019-07-12 04:35:47
Local clock offset: 0.354 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2019-07-12 08:24:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.474 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.295 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.279 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.536 ms
Loss rate: 1.85%
```

Run 4: Report of SCReAM — Data Link

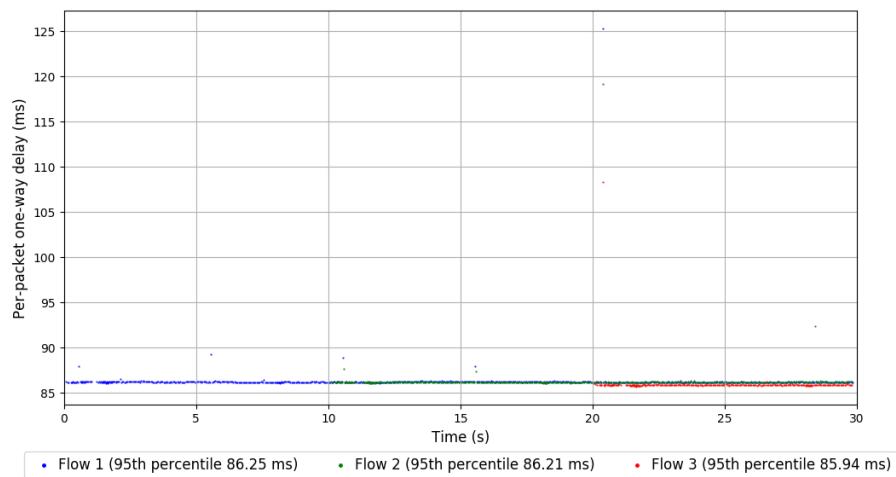
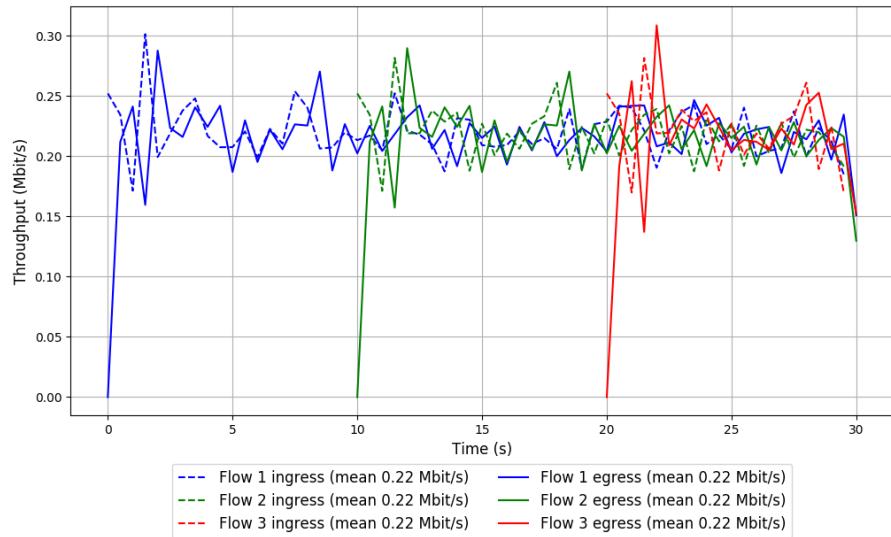


Run 5: Statistics of SCReAM

```
Start at: 2019-07-12 05:17:06
End at: 2019-07-12 05:17:36
Local clock offset: 0.072 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2019-07-12 08:24:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.239 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.251 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.208 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.942 ms
Loss rate: 1.50%
```

Run 5: Report of SCReAM — Data Link

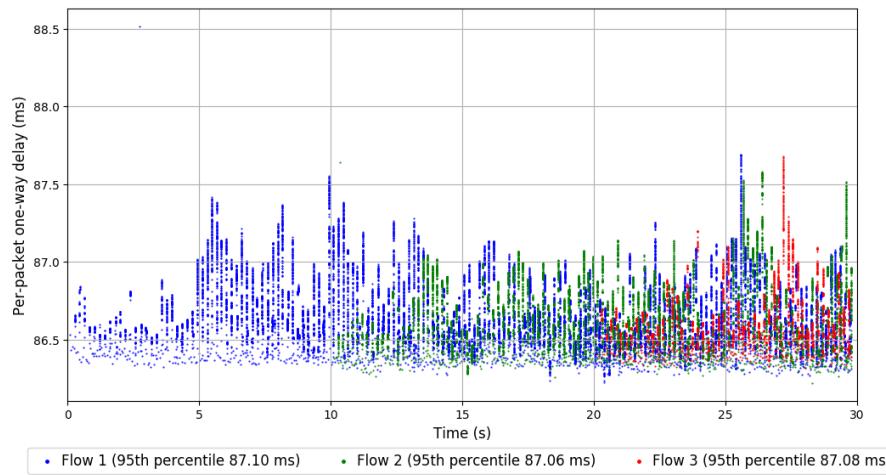
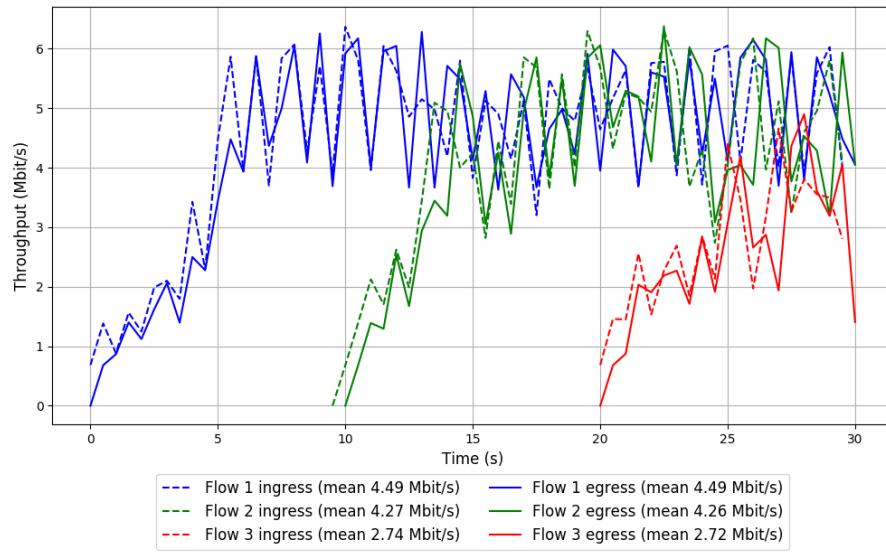


Run 1: Statistics of Sprout

```
Start at: 2019-07-12 02:26:29
End at: 2019-07-12 02:26:59
Local clock offset: 0.354 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2019-07-12 08:24:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.20 Mbit/s
95th percentile per-packet one-way delay: 87.080 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 87.096 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 87.065 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 87.077 ms
Loss rate: 2.59%
```

Run 1: Report of Sprout — Data Link

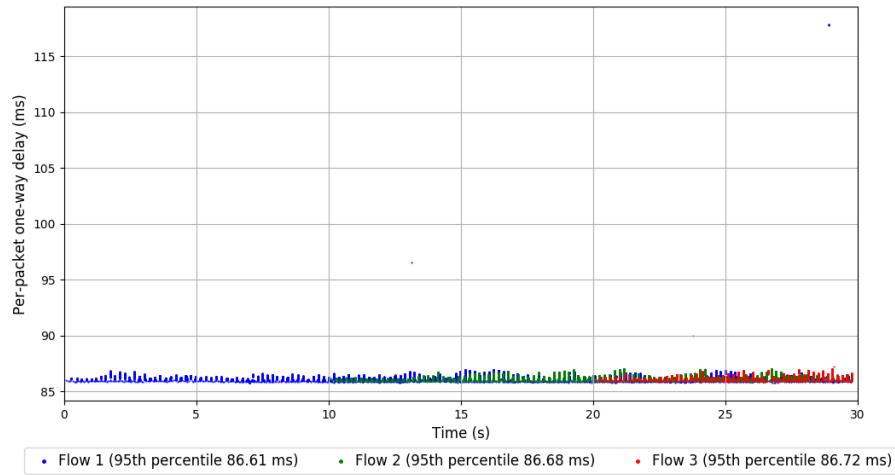
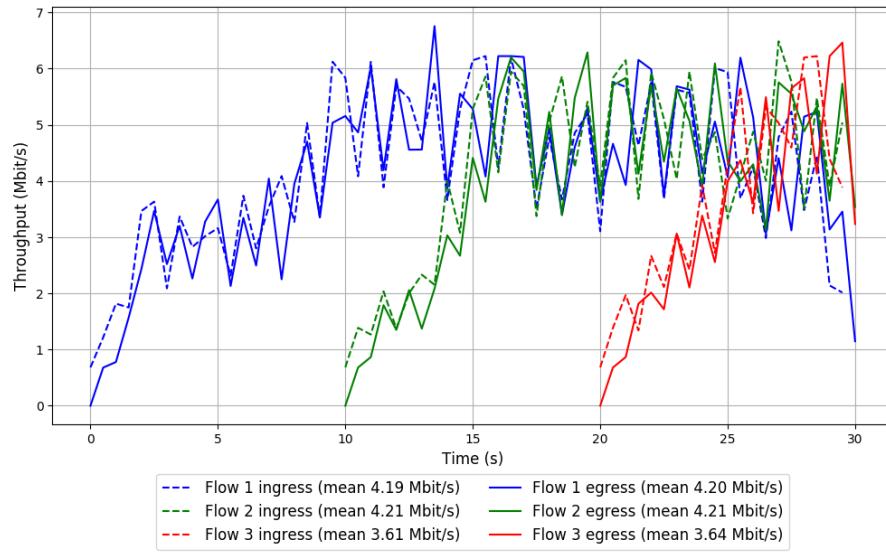


Run 2: Statistics of Sprout

```
Start at: 2019-07-12 03:08:27
End at: 2019-07-12 03:08:57
Local clock offset: -0.135 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2019-07-12 08:24:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.18 Mbit/s
95th percentile per-packet one-way delay: 86.657 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 86.612 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 86.683 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 86.722 ms
Loss rate: 0.92%
```

Run 2: Report of Sprout — Data Link

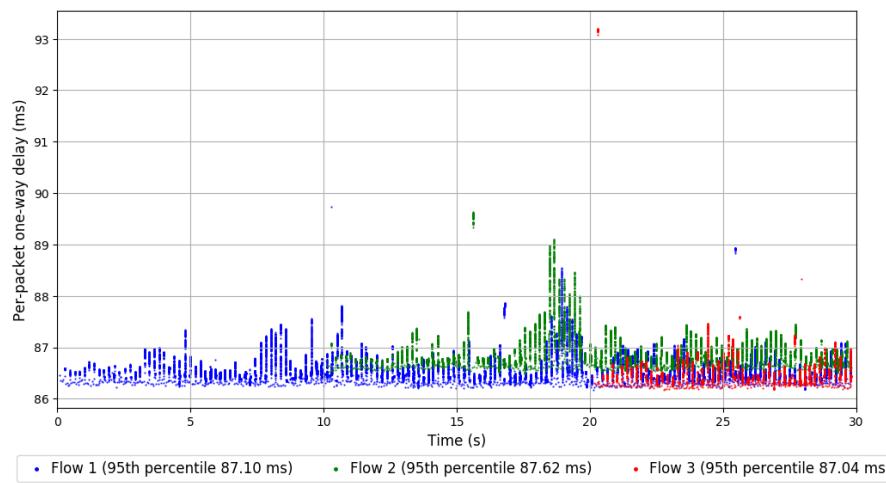
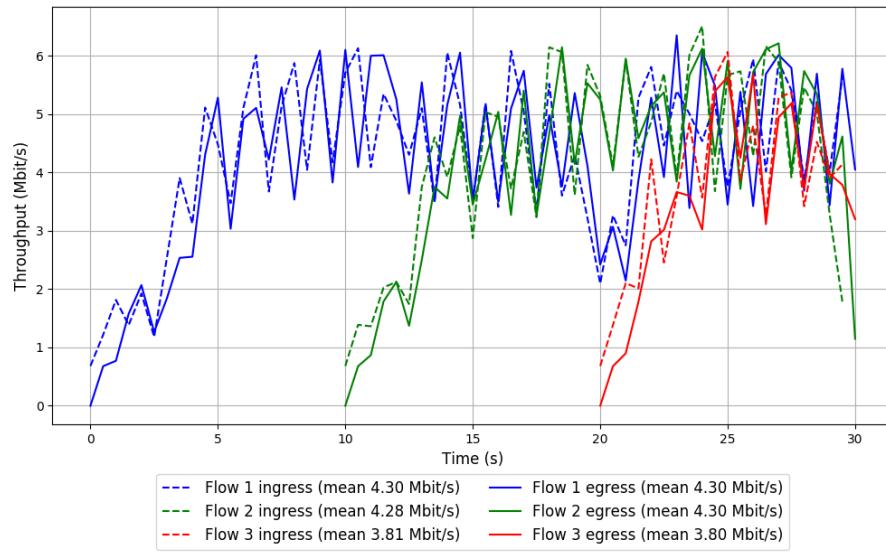


Run 3: Statistics of Sprout

```
Start at: 2019-07-12 03:50:31
End at: 2019-07-12 03:51:01
Local clock offset: 0.269 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2019-07-12 08:24:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.39 Mbit/s
95th percentile per-packet one-way delay: 87.317 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 87.103 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 87.616 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 87.037 ms
Loss rate: 2.14%
```

Run 3: Report of Sprout — Data Link

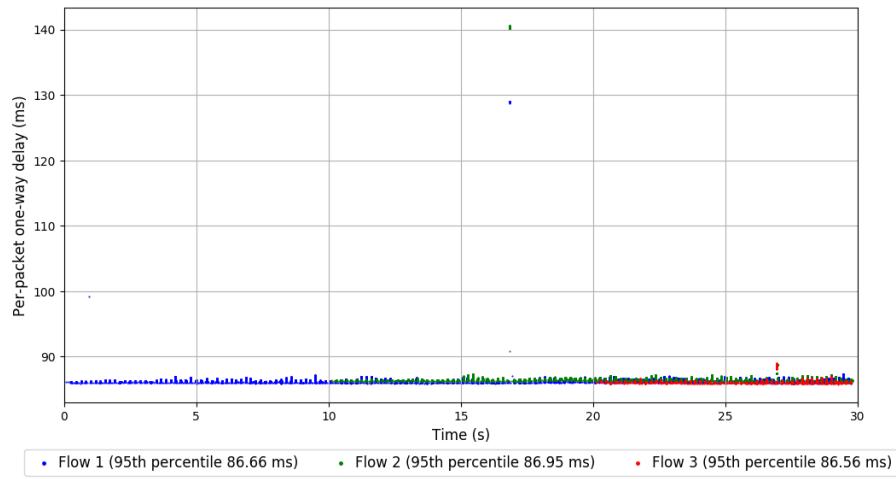
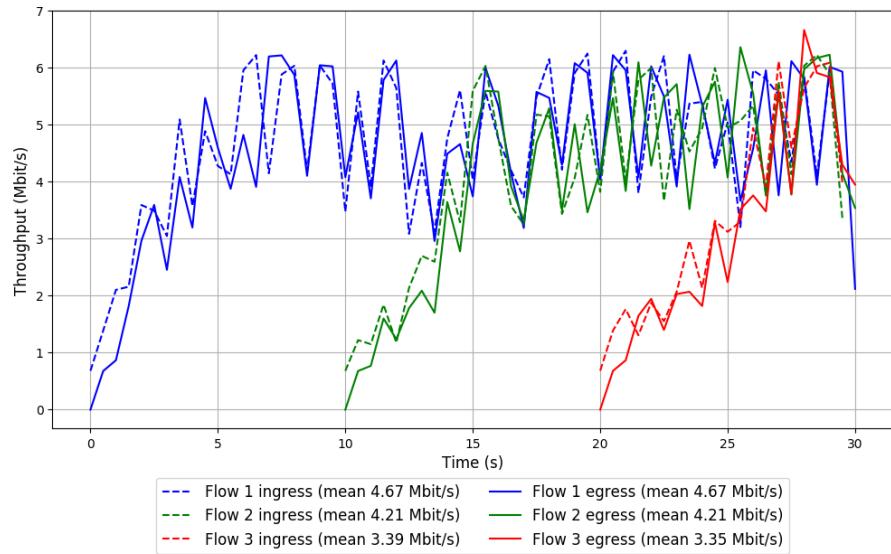


Run 4: Statistics of Sprout

```
Start at: 2019-07-12 04:32:09
End at: 2019-07-12 04:32:39
Local clock offset: 0.089 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2019-07-12 08:24:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.55 Mbit/s
95th percentile per-packet one-way delay: 86.774 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 86.662 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 86.953 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 3.35 Mbit/s
95th percentile per-packet one-way delay: 86.560 ms
Loss rate: 3.01%
```

Run 4: Report of Sprout — Data Link

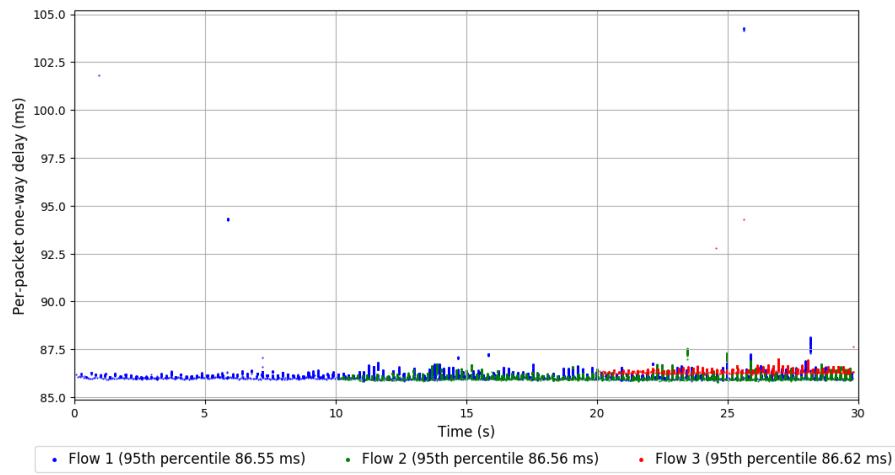
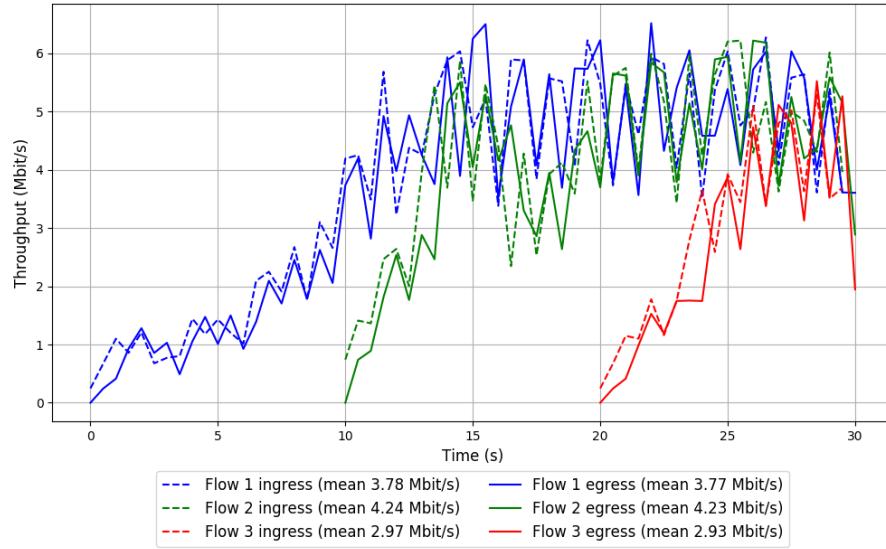


Run 5: Statistics of Sprout

```
Start at: 2019-07-12 05:14:01
End at: 2019-07-12 05:14:31
Local clock offset: 0.271 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2019-07-12 08:24:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 86.587 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 86.551 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 86.565 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 2.93 Mbit/s
95th percentile per-packet one-way delay: 86.621 ms
Loss rate: 2.98%
```

Run 5: Report of Sprout — Data Link

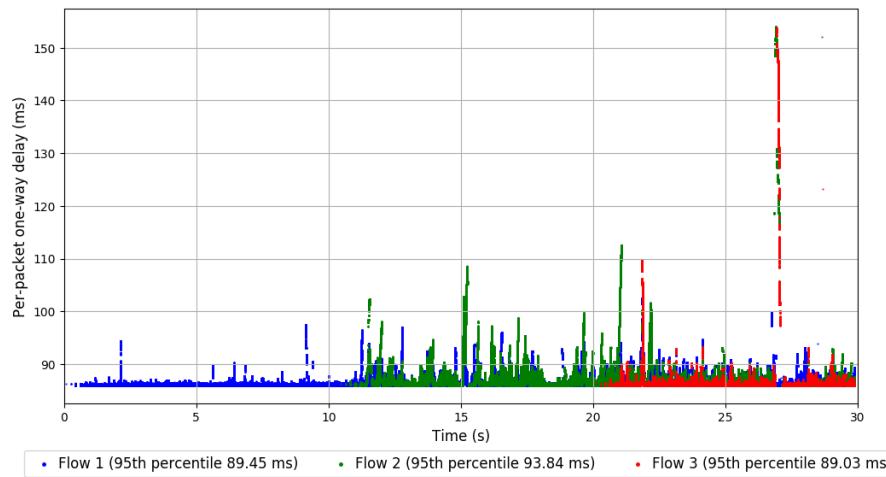
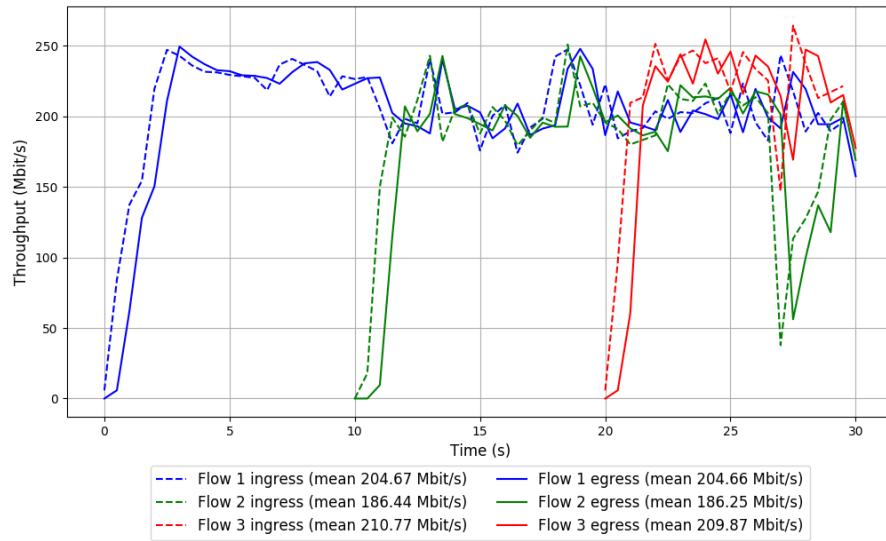


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-07-12 02:37:50
End at: 2019-07-12 02:38:20
Local clock offset: 0.175 ms
Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2019-07-12 08:30:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 394.84 Mbit/s
95th percentile per-packet one-way delay: 90.523 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 204.66 Mbit/s
95th percentile per-packet one-way delay: 89.447 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 186.25 Mbit/s
95th percentile per-packet one-way delay: 93.840 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 209.87 Mbit/s
95th percentile per-packet one-way delay: 89.030 ms
Loss rate: 2.16%
```

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

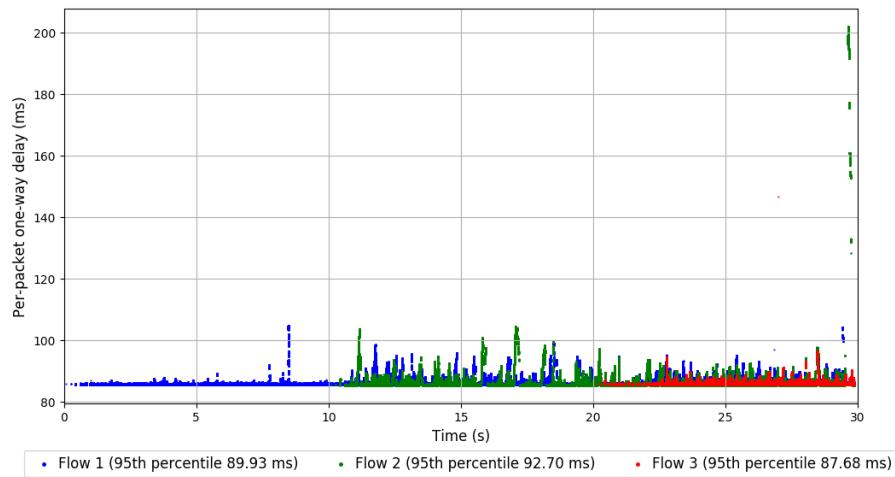
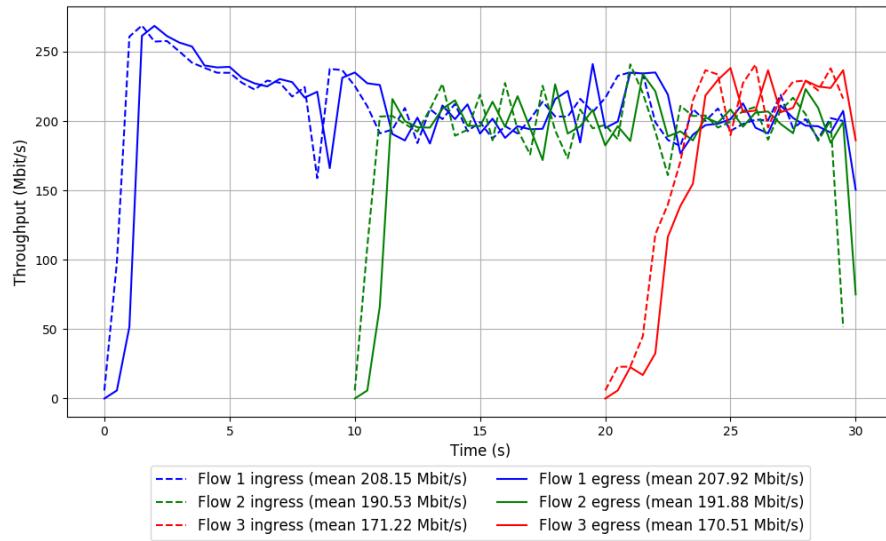


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-07-12 03:19:48
End at: 2019-07-12 03:20:18
Local clock offset: -0.645 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2019-07-12 08:30:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 391.44 Mbit/s
95th percentile per-packet one-way delay: 90.452 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 207.92 Mbit/s
95th percentile per-packet one-way delay: 89.930 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 191.88 Mbit/s
95th percentile per-packet one-way delay: 92.701 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 170.51 Mbit/s
95th percentile per-packet one-way delay: 87.679 ms
Loss rate: 2.14%
```

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

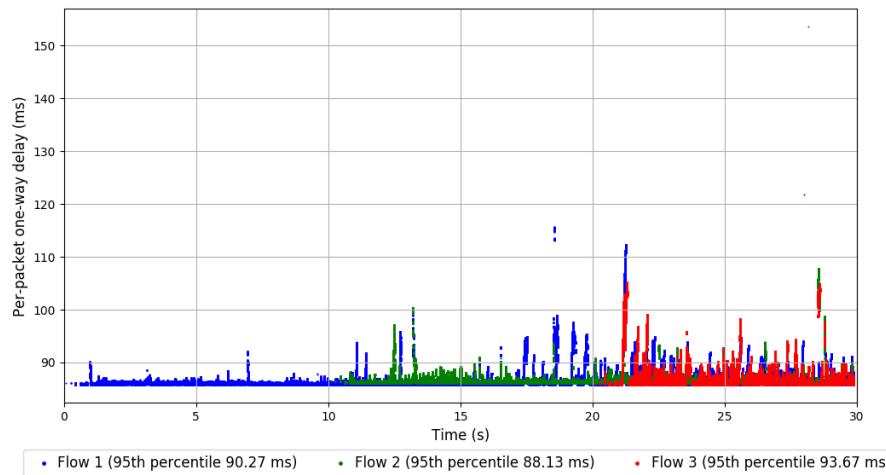
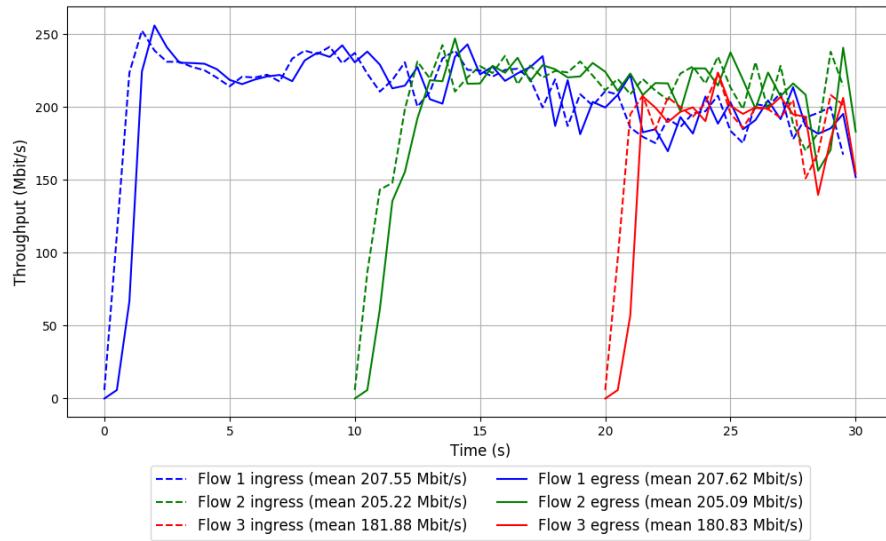


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-07-12 04:01:38
End at: 2019-07-12 04:02:08
Local clock offset: -0.1 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2019-07-12 08:30:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 403.15 Mbit/s
95th percentile per-packet one-way delay: 90.100 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 207.62 Mbit/s
95th percentile per-packet one-way delay: 90.272 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 205.09 Mbit/s
95th percentile per-packet one-way delay: 88.133 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 180.83 Mbit/s
95th percentile per-packet one-way delay: 93.666 ms
Loss rate: 2.30%
```

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

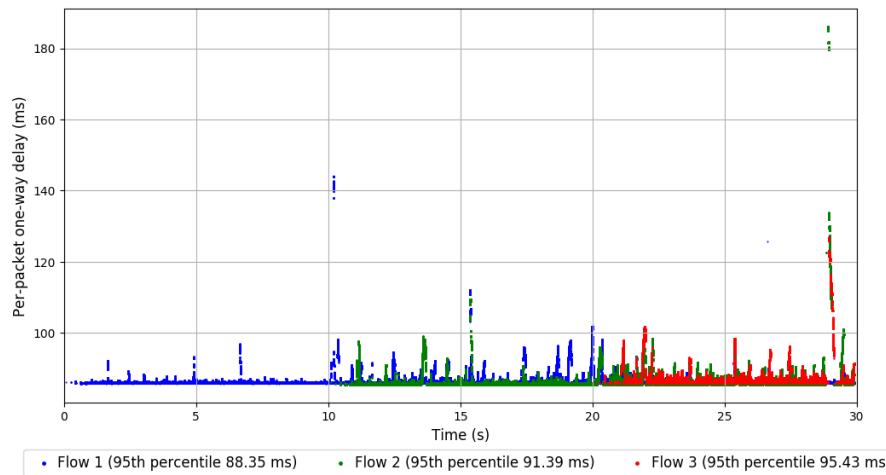
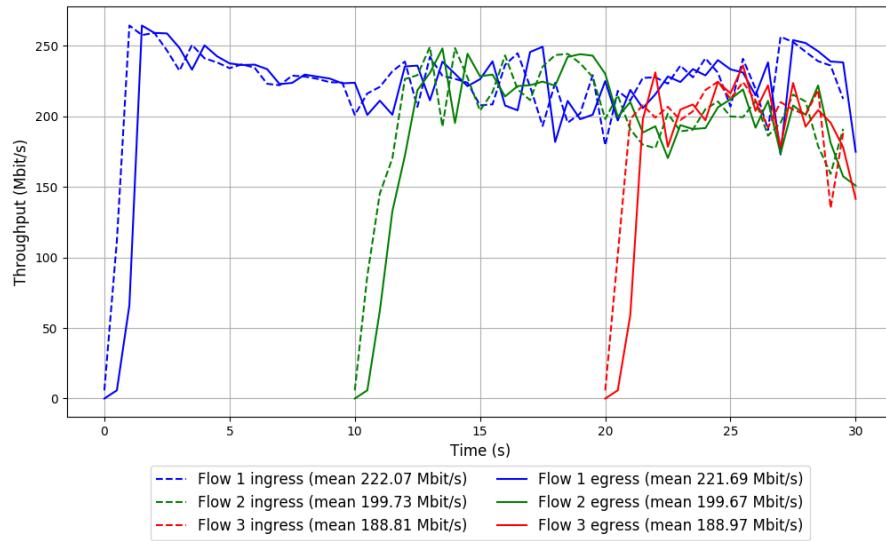


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-07-12 04:43:16
End at: 2019-07-12 04:43:46
Local clock offset: -0.101 ms
Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2019-07-12 08:31:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 416.37 Mbit/s
95th percentile per-packet one-way delay: 90.312 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 221.69 Mbit/s
95th percentile per-packet one-way delay: 88.353 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 199.67 Mbit/s
95th percentile per-packet one-way delay: 91.392 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 188.97 Mbit/s
95th percentile per-packet one-way delay: 95.426 ms
Loss rate: 1.65%
```

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

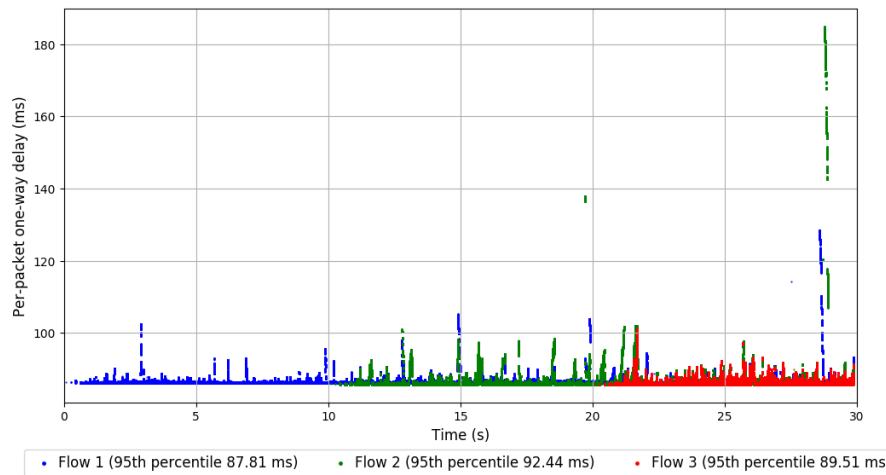
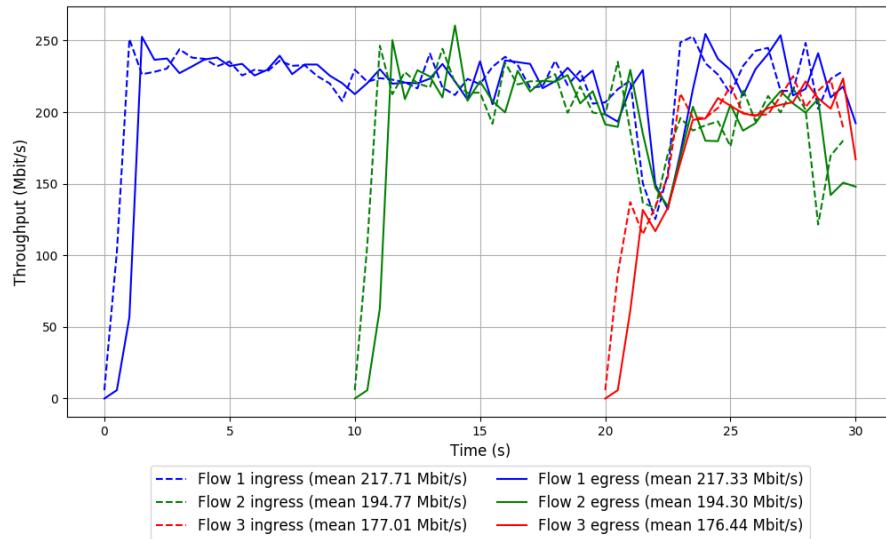


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-07-12 05:25:07
End at: 2019-07-12 05:25:37
Local clock offset: 0.028 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2019-07-12 08:31:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 404.33 Mbit/s
95th percentile per-packet one-way delay: 89.428 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 217.33 Mbit/s
95th percentile per-packet one-way delay: 87.807 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 194.30 Mbit/s
95th percentile per-packet one-way delay: 92.438 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 176.44 Mbit/s
95th percentile per-packet one-way delay: 89.511 ms
Loss rate: 1.93%
```

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

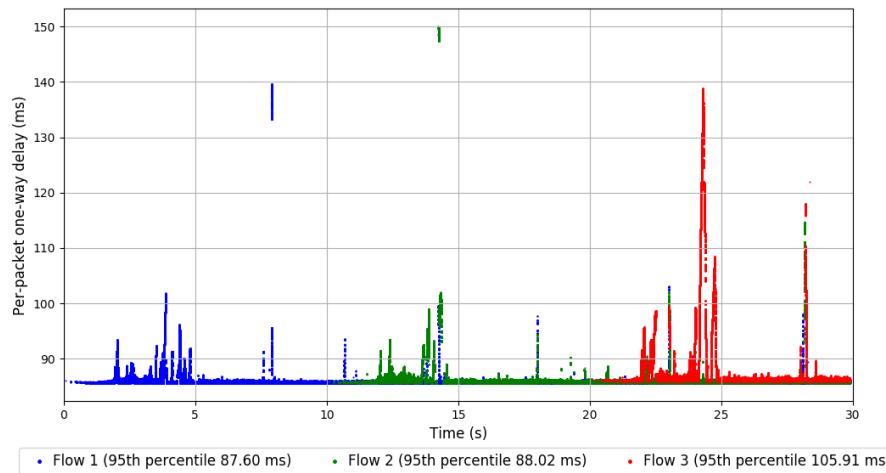
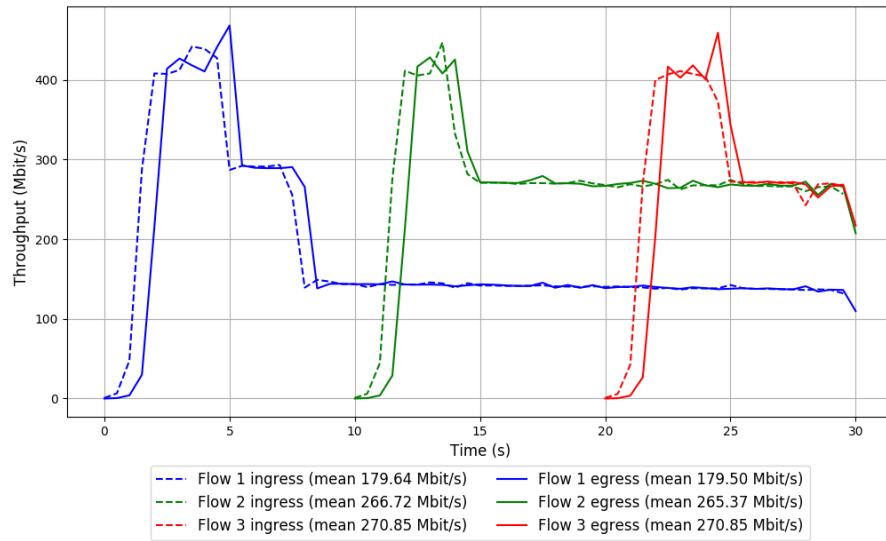


Run 1: Statistics of TCP Vegas

```
Start at: 2019-07-12 02:24:48
End at: 2019-07-12 02:25:18
Local clock offset: -0.335 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2019-07-12 08:31:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 444.77 Mbit/s
95th percentile per-packet one-way delay: 90.334 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 179.50 Mbit/s
95th percentile per-packet one-way delay: 87.602 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 265.37 Mbit/s
95th percentile per-packet one-way delay: 88.019 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 270.85 Mbit/s
95th percentile per-packet one-way delay: 105.905 ms
Loss rate: 1.72%
```

Run 1: Report of TCP Vegas — Data Link

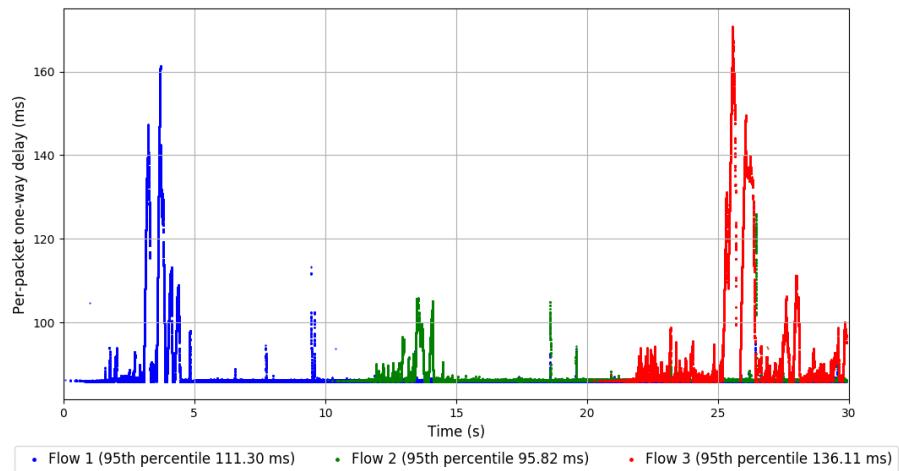
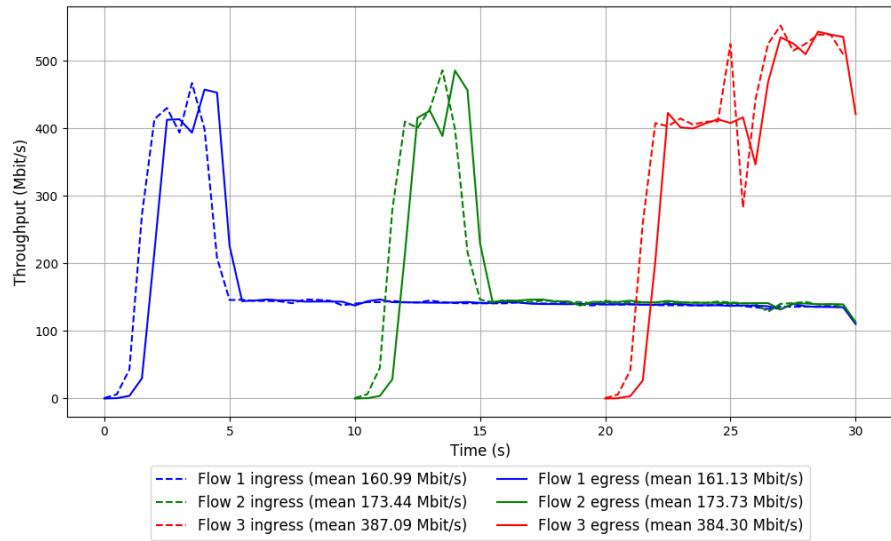


Run 2: Statistics of TCP Vegas

```
Start at: 2019-07-12 03:06:47
End at: 2019-07-12 03:07:17
Local clock offset: 0.082 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2019-07-12 08:31:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 402.75 Mbit/s
95th percentile per-packet one-way delay: 115.940 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 161.13 Mbit/s
95th percentile per-packet one-way delay: 111.297 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 173.73 Mbit/s
95th percentile per-packet one-way delay: 95.824 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 384.30 Mbit/s
95th percentile per-packet one-way delay: 136.109 ms
Loss rate: 2.42%
```

Run 2: Report of TCP Vegas — Data Link

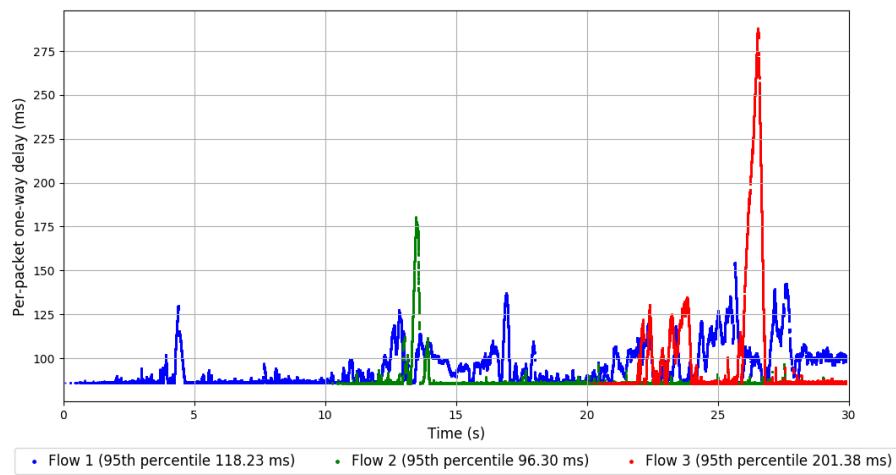
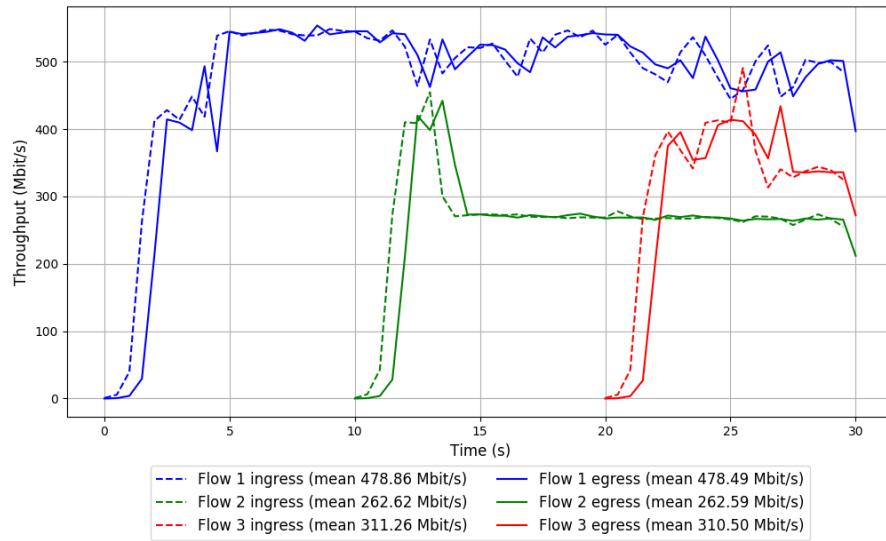


Run 3: Statistics of TCP Vegas

```
Start at: 2019-07-12 03:48:34
End at: 2019-07-12 03:49:04
Local clock offset: -0.119 ms
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2019-07-12 08:40:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 754.92 Mbit/s
95th percentile per-packet one-way delay: 121.299 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 478.49 Mbit/s
95th percentile per-packet one-way delay: 118.230 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 262.59 Mbit/s
95th percentile per-packet one-way delay: 96.304 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 310.50 Mbit/s
95th percentile per-packet one-way delay: 201.376 ms
Loss rate: 1.96%
```

Run 3: Report of TCP Vegas — Data Link

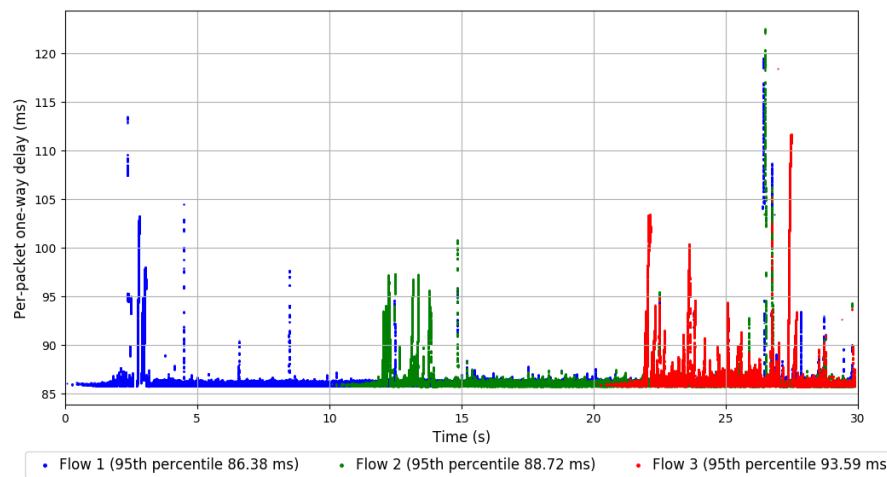
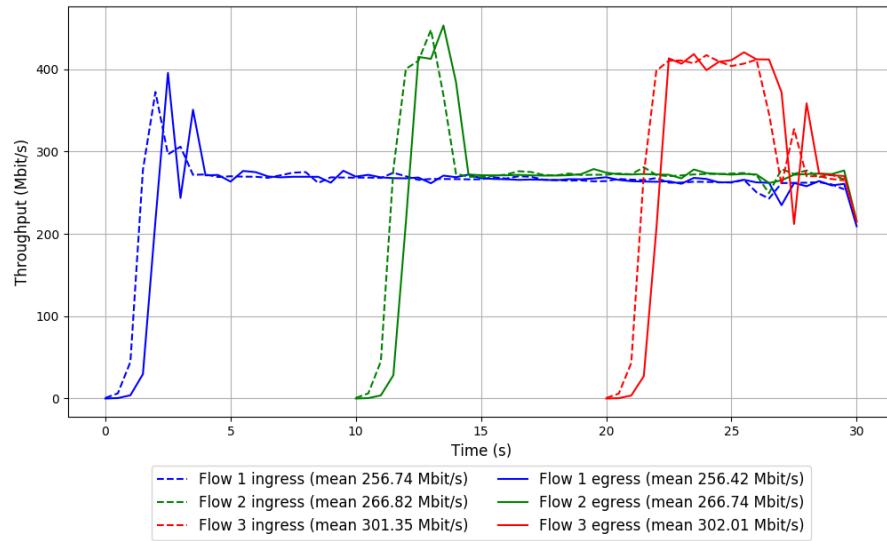


Run 4: Statistics of TCP Vegas

```
Start at: 2019-07-12 04:30:24
End at: 2019-07-12 04:30:54
Local clock offset: 0.1 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2019-07-12 08:40:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 532.78 Mbit/s
95th percentile per-packet one-way delay: 89.042 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 256.42 Mbit/s
95th percentile per-packet one-way delay: 86.382 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 266.74 Mbit/s
95th percentile per-packet one-way delay: 88.722 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 302.01 Mbit/s
95th percentile per-packet one-way delay: 93.595 ms
Loss rate: 1.53%
```

Run 4: Report of TCP Vegas — Data Link

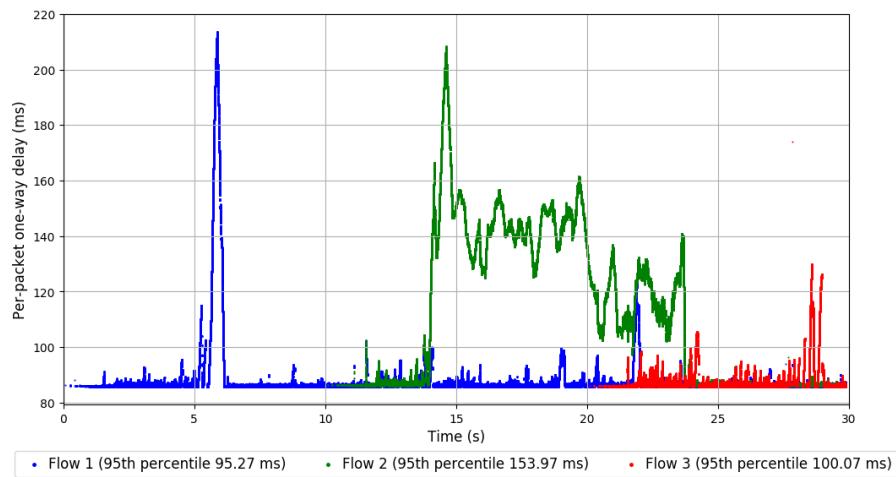
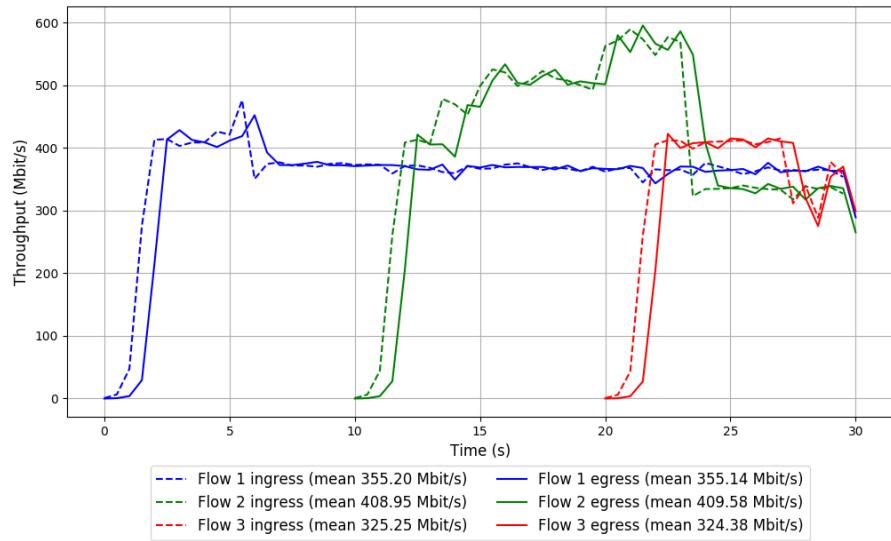


Run 5: Statistics of TCP Vegas

```
Start at: 2019-07-12 05:12:05
End at: 2019-07-12 05:12:35
Local clock offset: 0.27 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2019-07-12 08:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 733.74 Mbit/s
95th percentile per-packet one-way delay: 148.660 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 355.14 Mbit/s
95th percentile per-packet one-way delay: 95.274 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 409.58 Mbit/s
95th percentile per-packet one-way delay: 153.970 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 324.38 Mbit/s
95th percentile per-packet one-way delay: 100.069 ms
Loss rate: 1.99%
```

Run 5: Report of TCP Vegas — Data Link

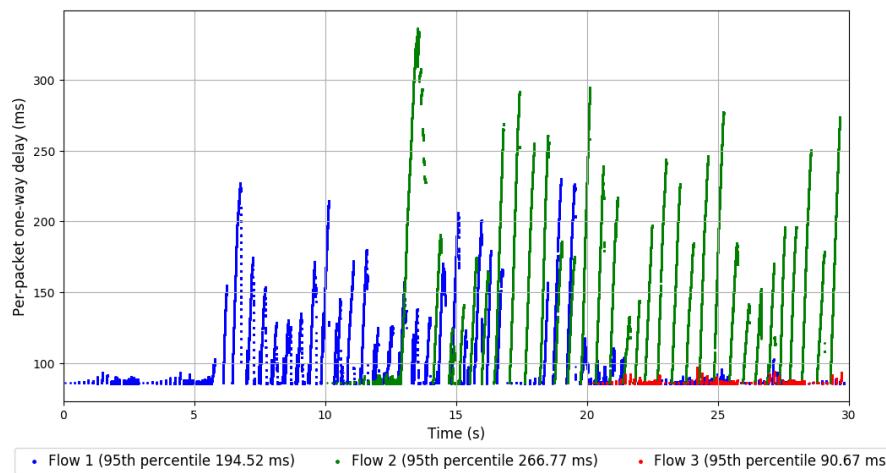
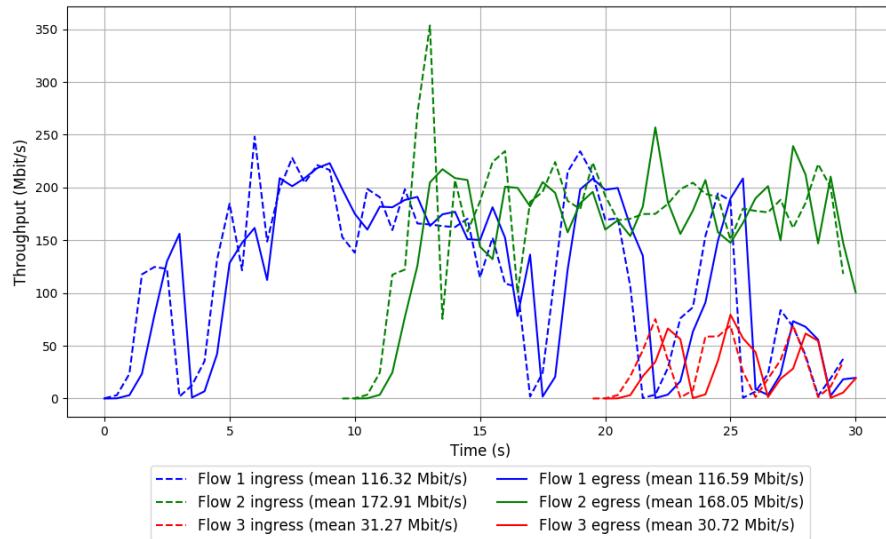


Run 1: Statistics of Verus

```
Start at: 2019-07-12 02:17:48
End at: 2019-07-12 02:18:18
Local clock offset: -0.087 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2019-07-12 08:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 237.24 Mbit/s
95th percentile per-packet one-way delay: 241.399 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 116.59 Mbit/s
95th percentile per-packet one-way delay: 194.518 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 168.05 Mbit/s
95th percentile per-packet one-way delay: 266.770 ms
Loss rate: 4.42%
-- Flow 3:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 90.666 ms
Loss rate: 3.57%
```

Run 1: Report of Verus — Data Link

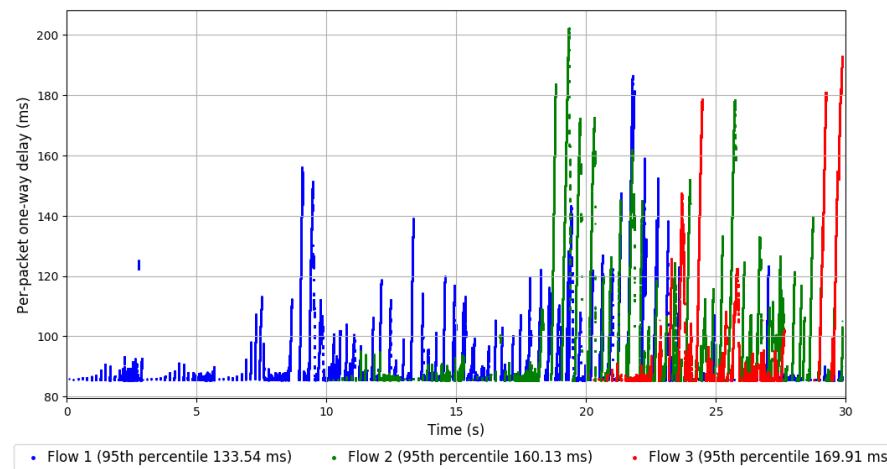
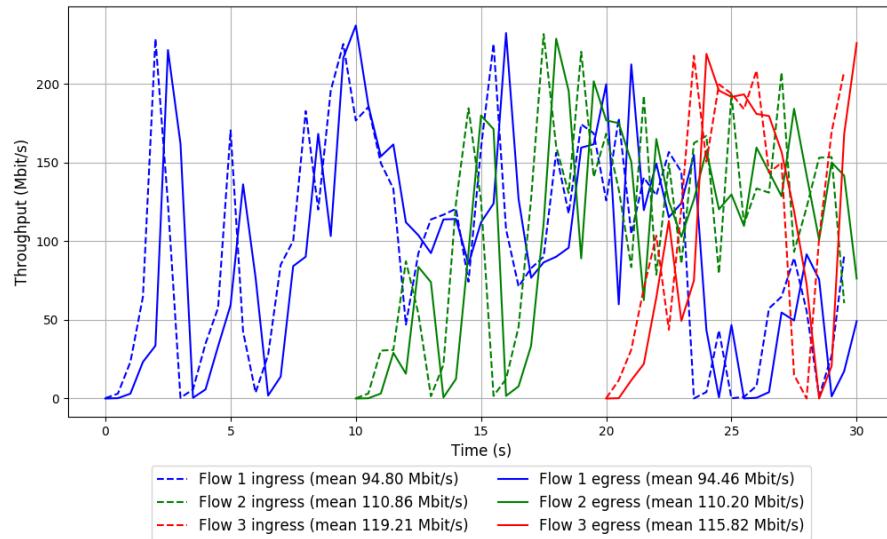


Run 2: Statistics of Verus

```
Start at: 2019-07-12 02:59:54
End at: 2019-07-12 03:00:24
Local clock offset: -0.389 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2019-07-12 08:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 205.53 Mbit/s
95th percentile per-packet one-way delay: 152.870 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 133.539 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 110.20 Mbit/s
95th percentile per-packet one-way delay: 160.128 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 115.82 Mbit/s
95th percentile per-packet one-way delay: 169.911 ms
Loss rate: 2.78%
```

Run 2: Report of Verus — Data Link

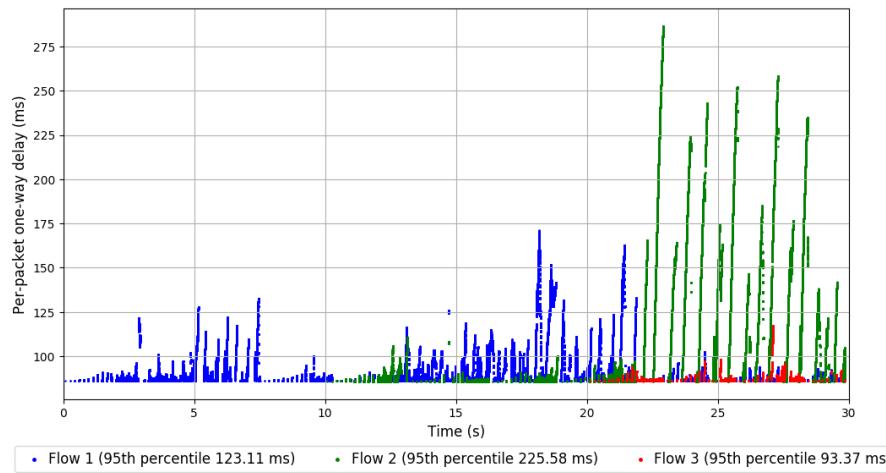
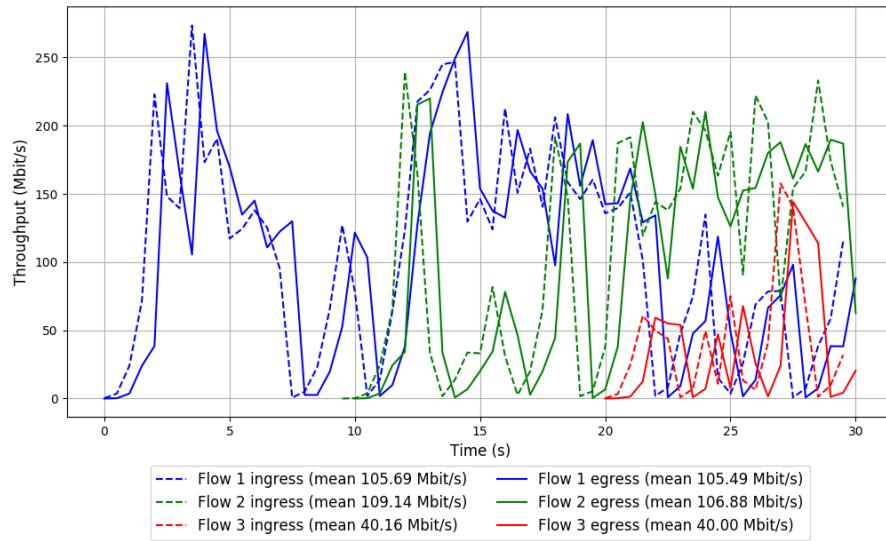


Run 3: Statistics of Verus

```
Start at: 2019-07-12 03:41:42
End at: 2019-07-12 03:42:12
Local clock offset: -0.306 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2019-07-12 08:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 189.54 Mbit/s
95th percentile per-packet one-way delay: 183.139 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 105.49 Mbit/s
95th percentile per-packet one-way delay: 123.114 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 106.88 Mbit/s
95th percentile per-packet one-way delay: 225.579 ms
Loss rate: 2.91%
-- Flow 3:
Average throughput: 40.00 Mbit/s
95th percentile per-packet one-way delay: 93.369 ms
Loss rate: 2.14%
```

Run 3: Report of Verus — Data Link

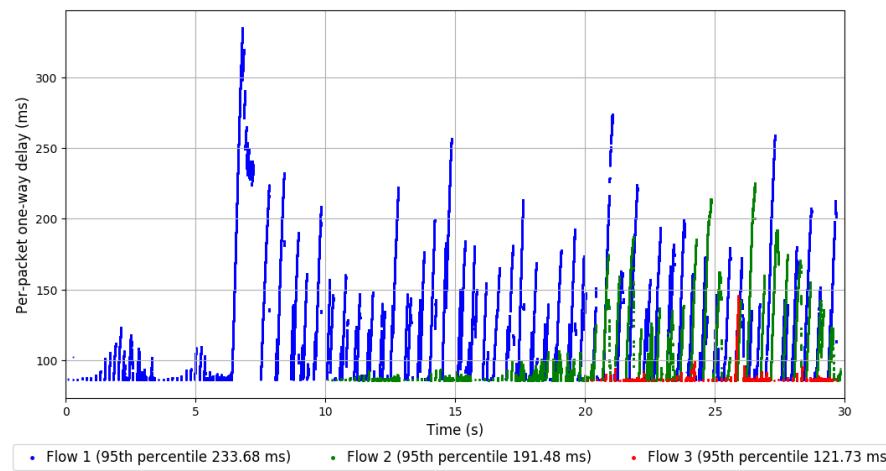
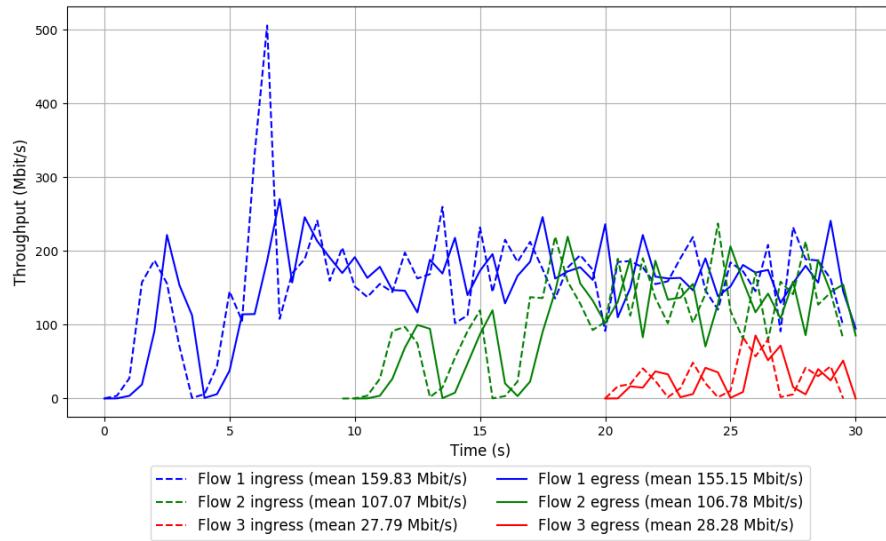


Run 4: Statistics of Verus

```
Start at: 2019-07-12 04:23:25
End at: 2019-07-12 04:23:55
Local clock offset: 0.301 ms
Remote clock offset: 0.042 ms

# Below is generated by plot.py at 2019-07-12 08:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 234.95 Mbit/s
95th percentile per-packet one-way delay: 216.311 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 155.15 Mbit/s
95th percentile per-packet one-way delay: 233.682 ms
Loss rate: 3.63%
-- Flow 2:
Average throughput: 106.78 Mbit/s
95th percentile per-packet one-way delay: 191.482 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 28.28 Mbit/s
95th percentile per-packet one-way delay: 121.735 ms
Loss rate: 0.03%
```

Run 4: Report of Verus — Data Link

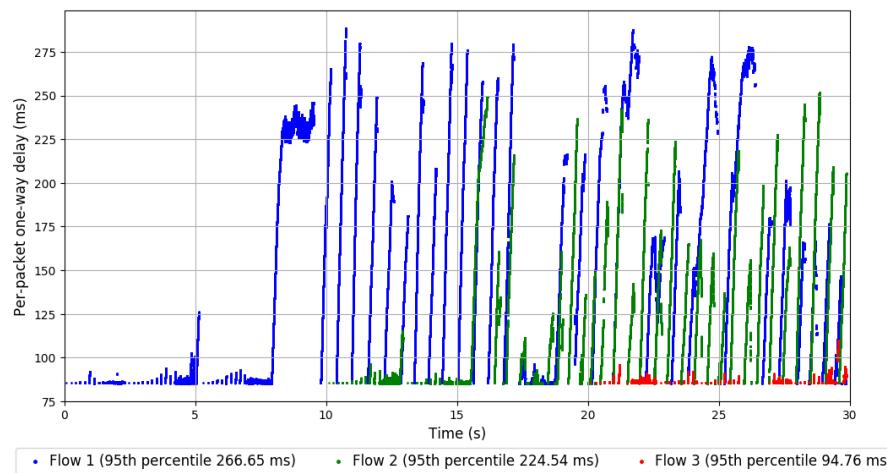
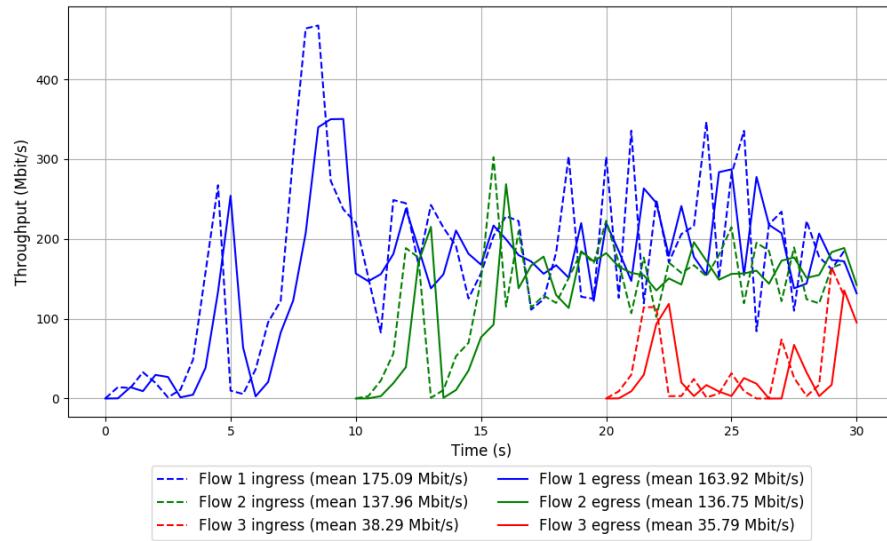


Run 5: Statistics of Verus

```
Start at: 2019-07-12 05:05:07
End at: 2019-07-12 05:05:37
Local clock offset: -0.223 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2019-07-12 08:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 266.38 Mbit/s
95th percentile per-packet one-way delay: 257.826 ms
Loss rate: 4.89%
-- Flow 1:
Average throughput: 163.92 Mbit/s
95th percentile per-packet one-way delay: 266.650 ms
Loss rate: 6.92%
-- Flow 2:
Average throughput: 136.75 Mbit/s
95th percentile per-packet one-way delay: 224.539 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 35.79 Mbit/s
95th percentile per-packet one-way delay: 94.760 ms
Loss rate: 8.15%
```

Run 5: Report of Verus — Data Link

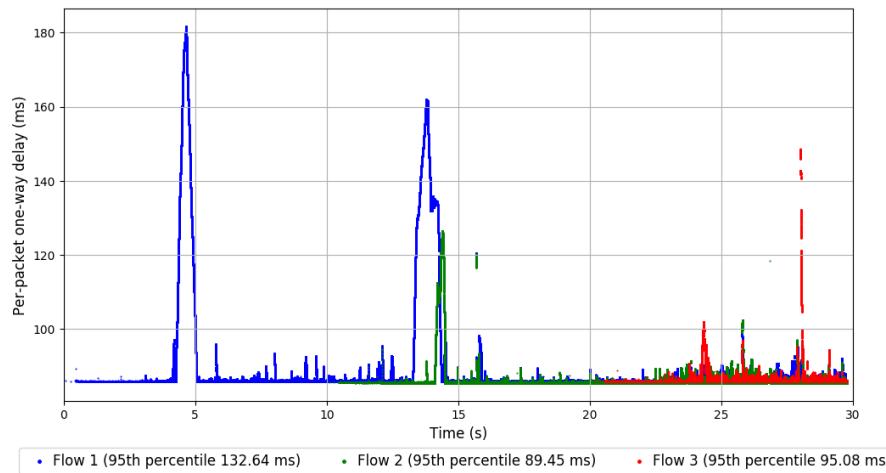
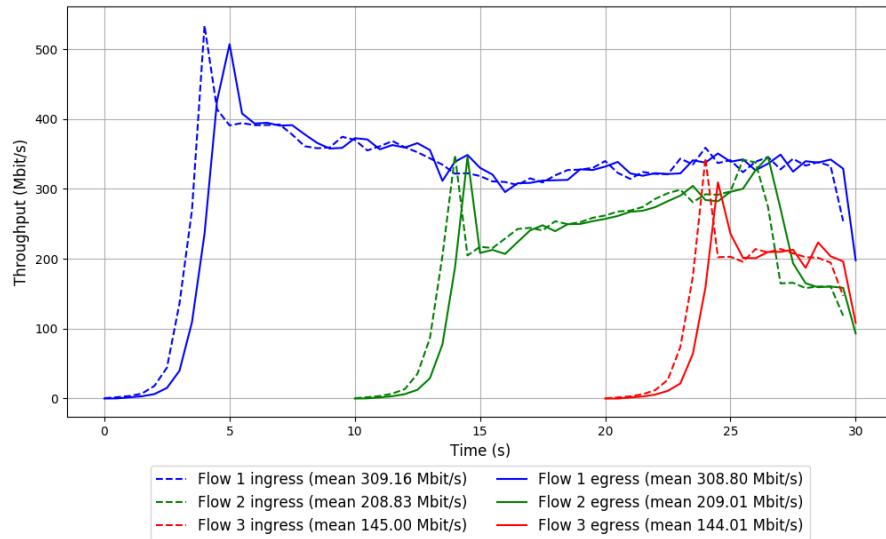


```
Run 1: Statistics of PCC-Vivace

Start at: 2019-07-12 02:53:11
End at: 2019-07-12 02:53:41
Local clock offset: -0.471 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2019-07-12 08:44:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 493.93 Mbit/s
95th percentile per-packet one-way delay: 108.774 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 308.80 Mbit/s
95th percentile per-packet one-way delay: 132.640 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 209.01 Mbit/s
95th percentile per-packet one-way delay: 89.455 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 144.01 Mbit/s
95th percentile per-packet one-way delay: 95.084 ms
Loss rate: 2.45%
```

Run 1: Report of PCC-Vivace — Data Link

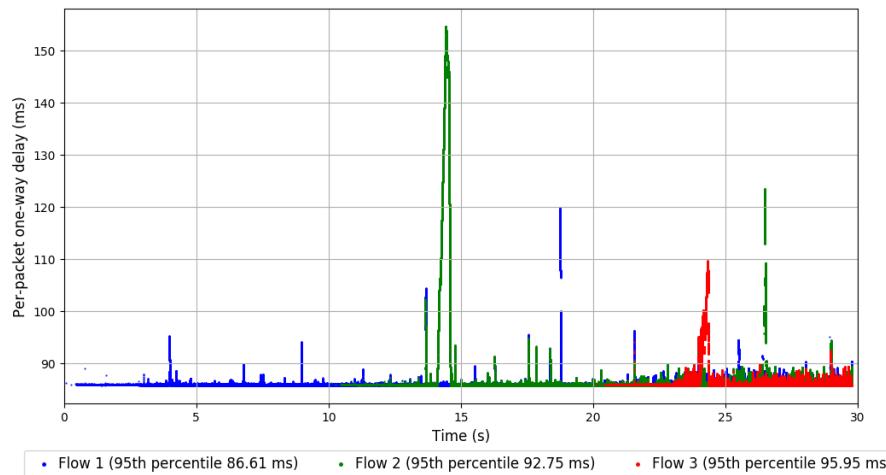
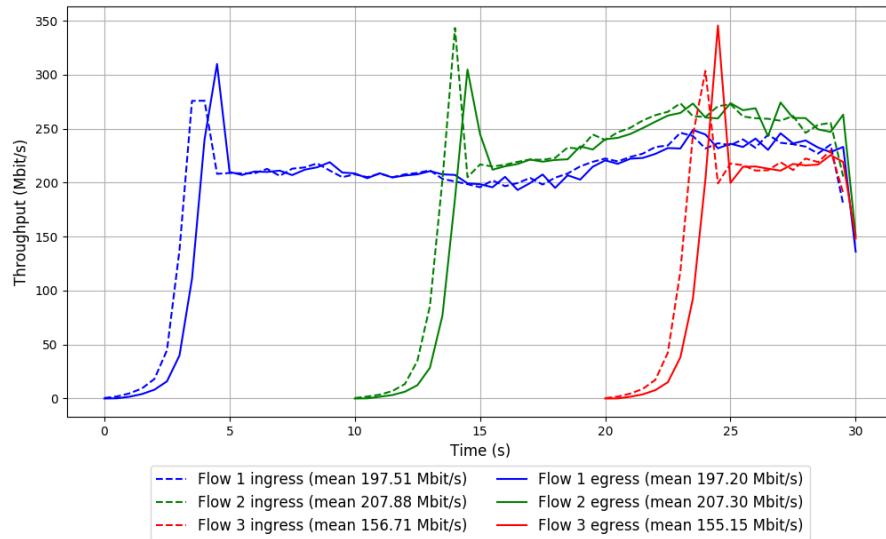


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-07-12 03:35:07
End at: 2019-07-12 03:35:37
Local clock offset: -0.159 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2019-07-12 08:44:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.23 Mbit/s
95th percentile per-packet one-way delay: 87.953 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 197.20 Mbit/s
95th percentile per-packet one-way delay: 86.614 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 207.30 Mbit/s
95th percentile per-packet one-way delay: 92.747 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 155.15 Mbit/s
95th percentile per-packet one-way delay: 95.948 ms
Loss rate: 2.75%
```

Run 2: Report of PCC-Vivace — Data Link

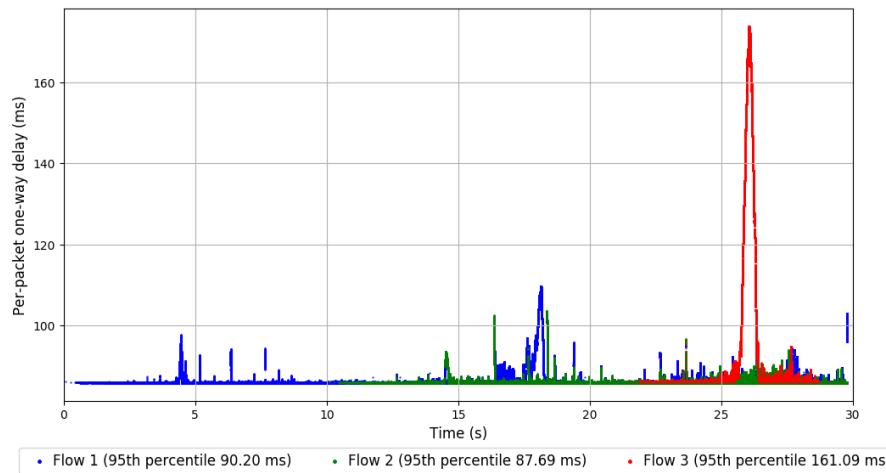
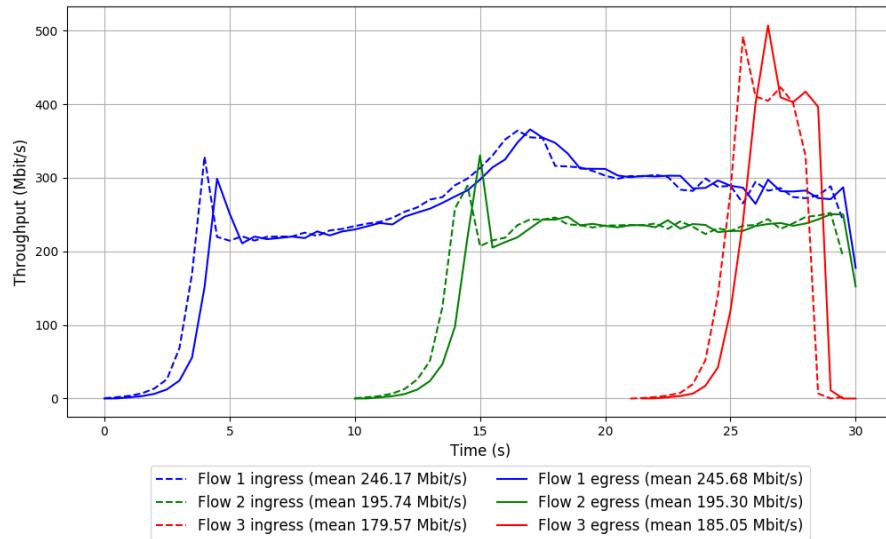


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-07-12 04:16:50
End at: 2019-07-12 04:17:20
Local clock offset: 0.044 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2019-07-12 08:44:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 425.20 Mbit/s
95th percentile per-packet one-way delay: 91.838 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 245.68 Mbit/s
95th percentile per-packet one-way delay: 90.199 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 195.30 Mbit/s
95th percentile per-packet one-way delay: 87.686 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 185.05 Mbit/s
95th percentile per-packet one-way delay: 161.091 ms
Loss rate: 0.07%
```

Run 3: Report of PCC-Vivace — Data Link

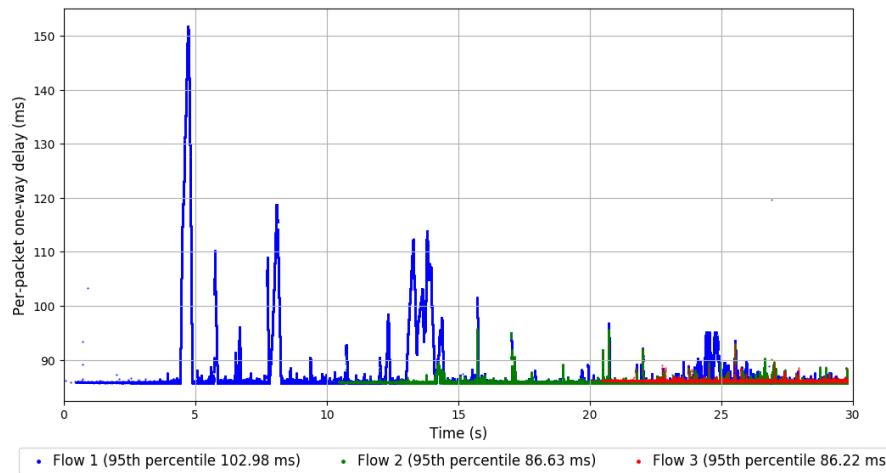
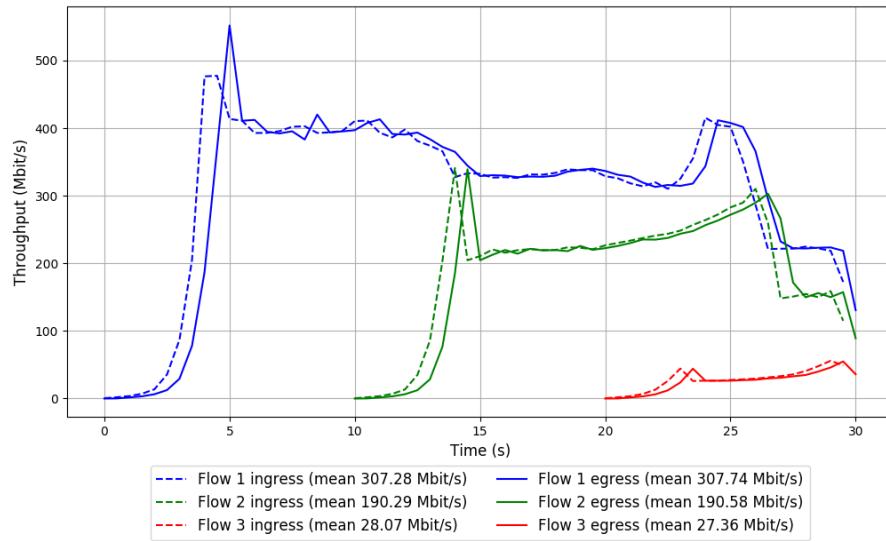


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-07-12 04:58:26
End at: 2019-07-12 04:58:56
Local clock offset: 0.199 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2019-07-12 08:44:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 443.02 Mbit/s
95th percentile per-packet one-way delay: 97.491 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 307.74 Mbit/s
95th percentile per-packet one-way delay: 102.982 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 190.58 Mbit/s
95th percentile per-packet one-way delay: 86.627 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 27.36 Mbit/s
95th percentile per-packet one-way delay: 86.224 ms
Loss rate: 4.21%
```

Run 4: Report of PCC-Vivace — Data Link

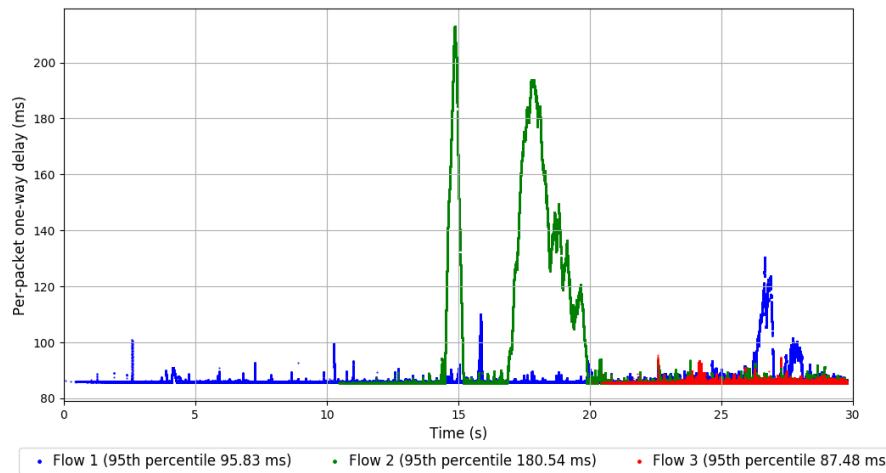
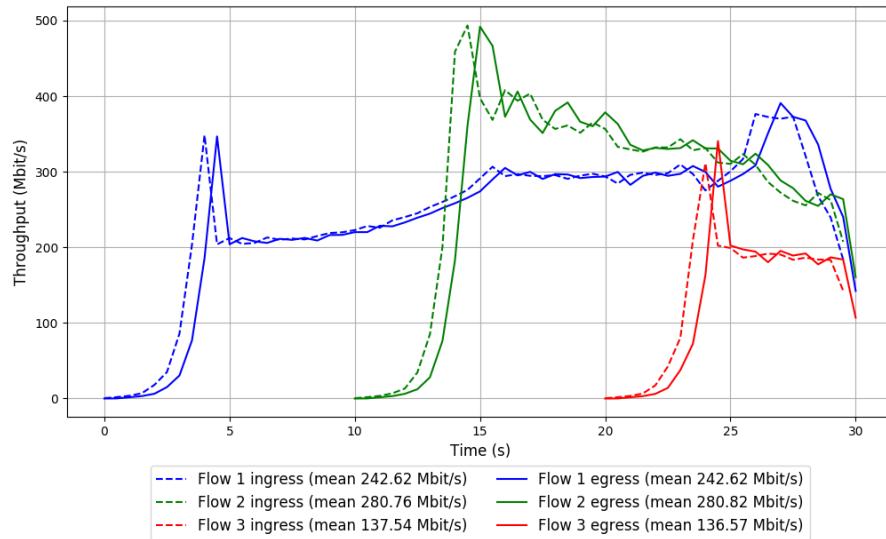


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-07-12 05:40:14
End at: 2019-07-12 05:40:44
Local clock offset: -0.473 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2019-07-12 08:45:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 473.37 Mbit/s
95th percentile per-packet one-way delay: 140.261 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 242.62 Mbit/s
95th percentile per-packet one-way delay: 95.827 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 280.82 Mbit/s
95th percentile per-packet one-way delay: 180.538 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 136.57 Mbit/s
95th percentile per-packet one-way delay: 87.480 ms
Loss rate: 2.46%
```

Run 5: Report of PCC-Vivace — Data Link

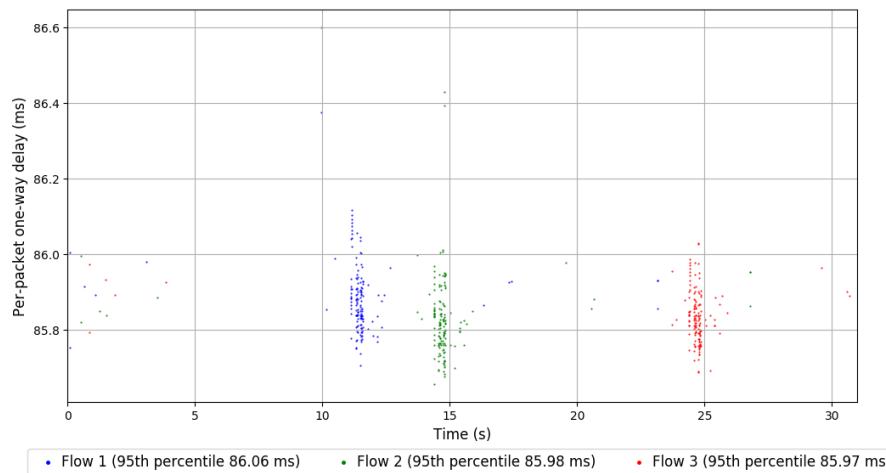
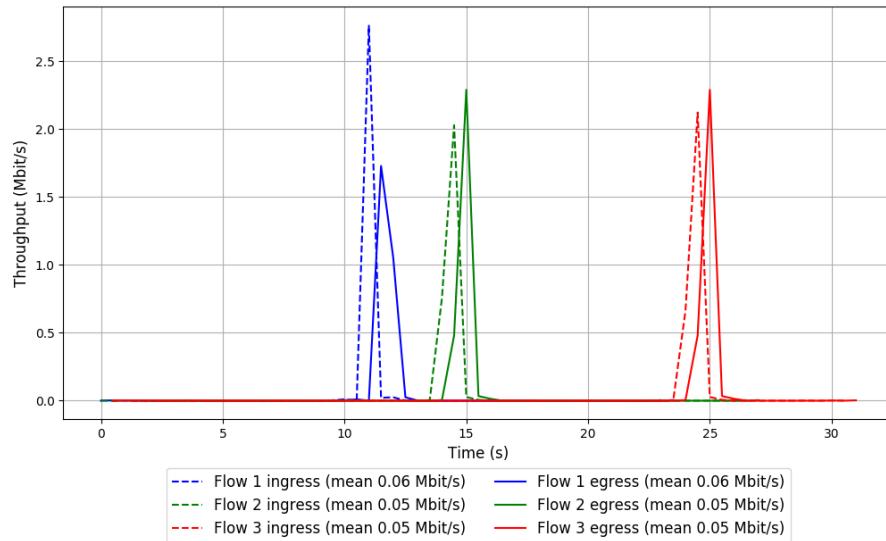


Run 1: Statistics of WebRTC media

```
Start at: 2019-07-12 02:21:38
End at: 2019-07-12 02:22:08
Local clock offset: -0.141 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2019-07-12 08:45:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 86.005 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 86.063 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 85.977 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 85.971 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

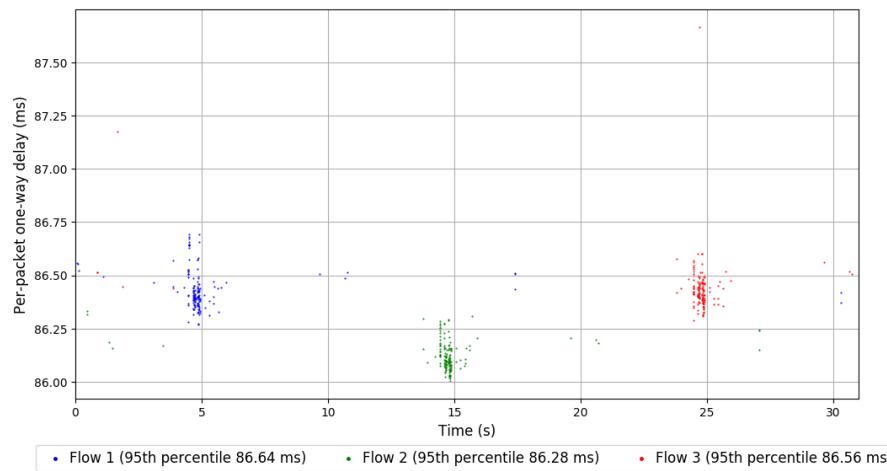
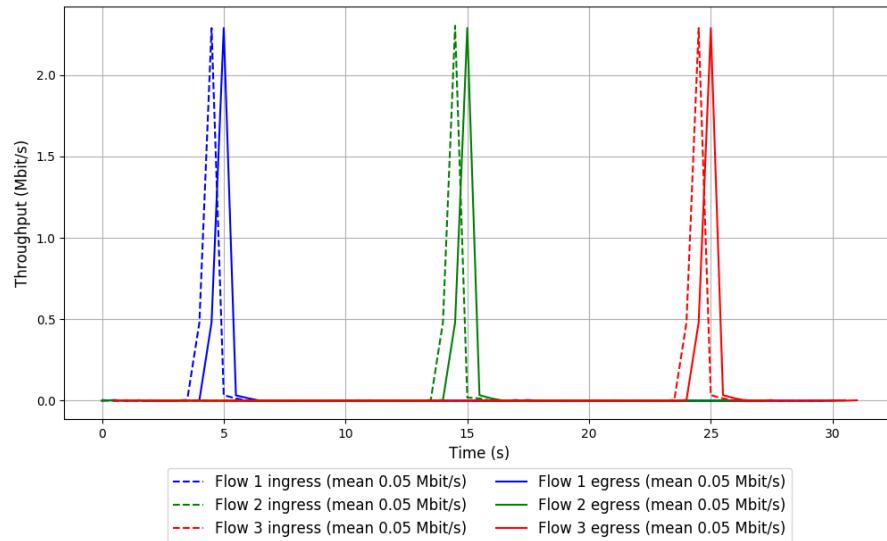


Run 2: Statistics of WebRTC media

```
Start at: 2019-07-12 03:03:38
End at: 2019-07-12 03:04:08
Local clock offset: 0.075 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2019-07-12 08:45:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 86.570 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.642 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.275 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.560 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

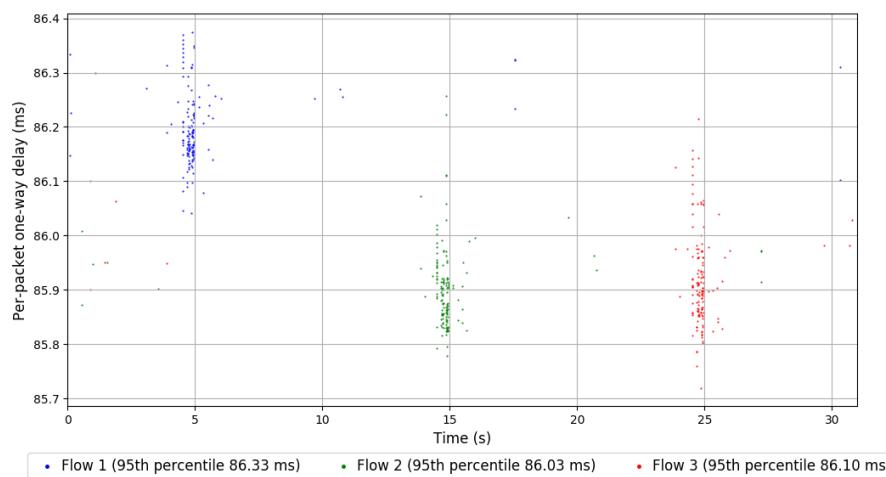
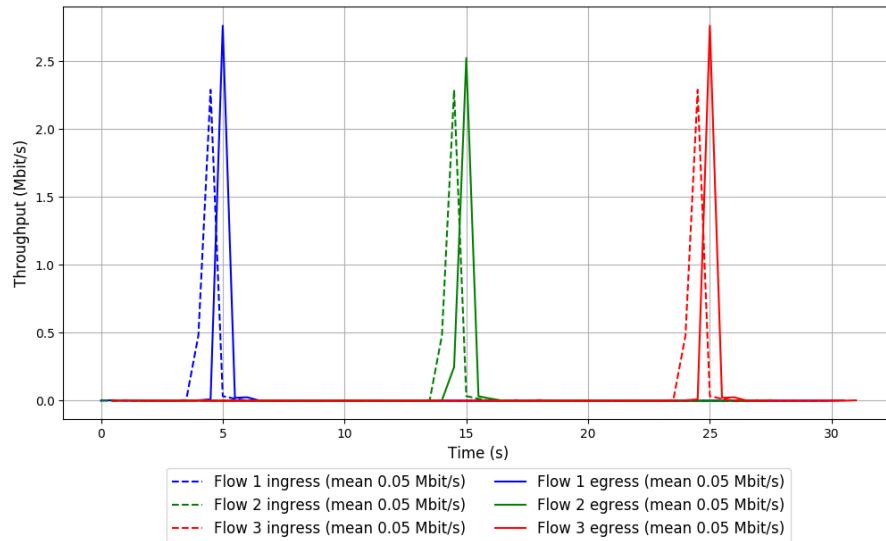


Run 3: Statistics of WebRTC media

```
Start at: 2019-07-12 03:45:22
End at: 2019-07-12 03:45:52
Local clock offset: -0.165 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2019-07-12 08:45:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 86.277 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.333 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.028 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.101 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

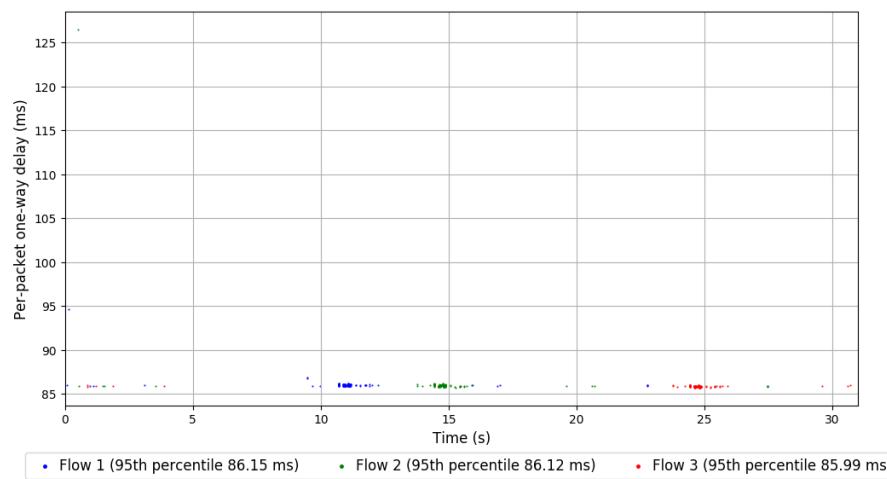
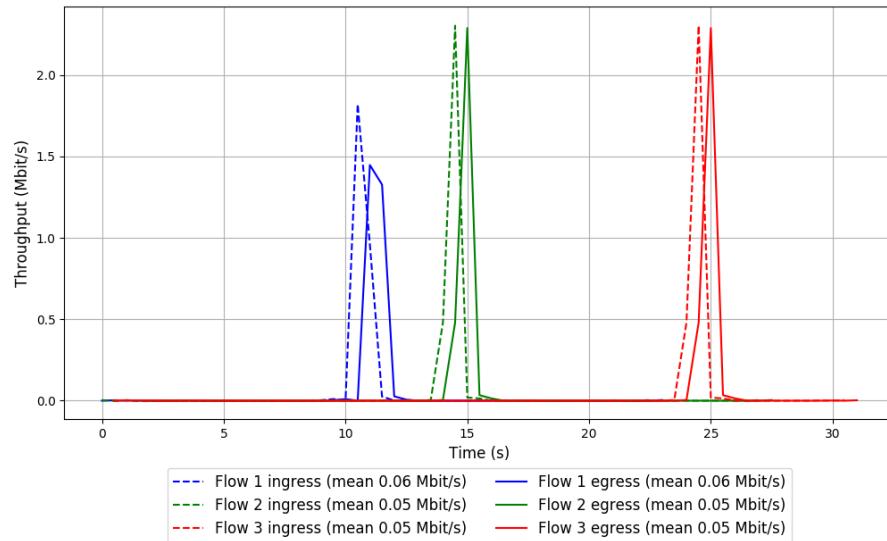


Run 4: Statistics of WebRTC media

```
Start at: 2019-07-12 04:27:13
End at: 2019-07-12 04:27:43
Local clock offset: 0.085 ms
Remote clock offset: 0.067 ms

# Below is generated by plot.py at 2019-07-12 08:45:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 86.102 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 86.147 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.118 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 85.991 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-07-12 05:08:56
End at: 2019-07-12 05:09:26
Local clock offset: 0.075 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2019-07-12 08:45:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 85.939 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 85.920 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 85.950 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 85.917 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

