

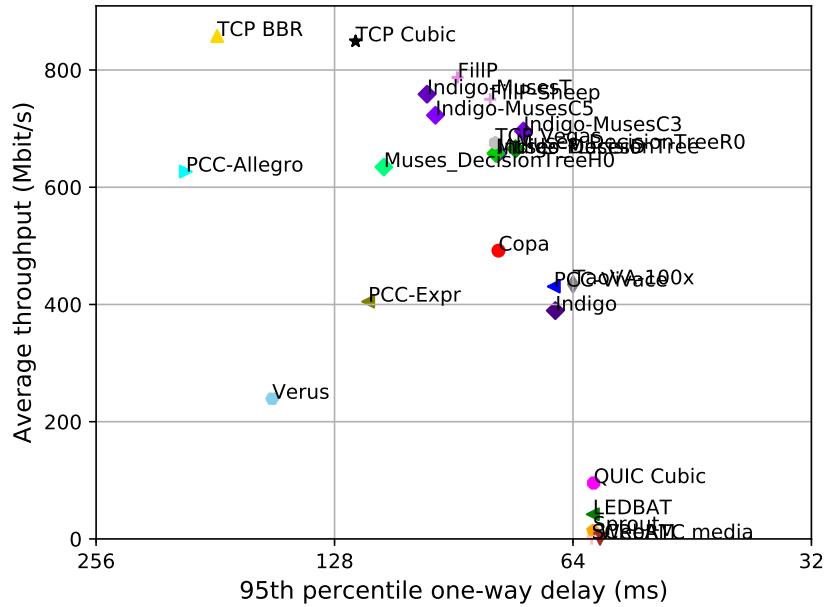
Pantheon Report

Generated at 2019-07-13 08:27:26 (UTC).
Data path: GCE Tokyo 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.

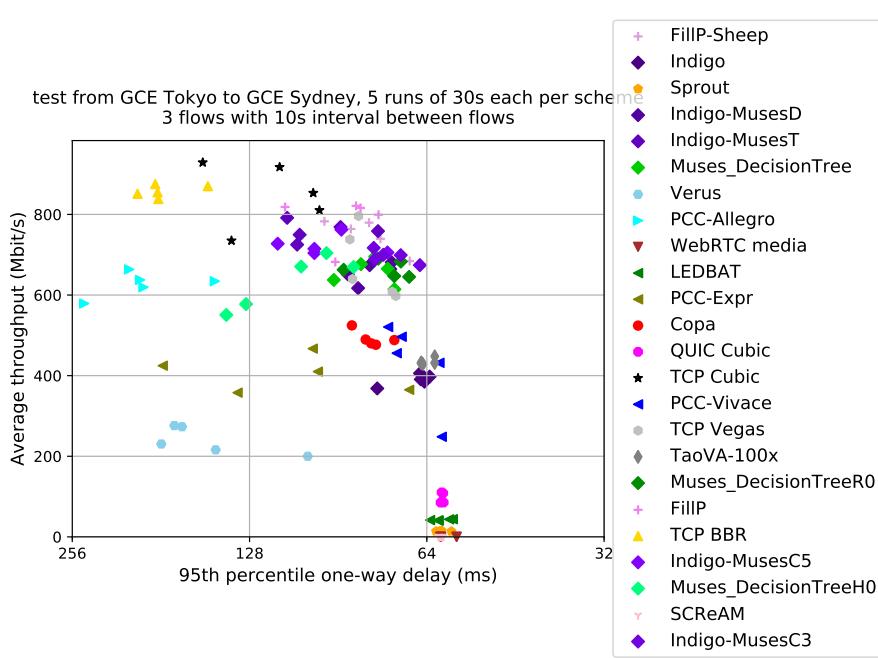
```
System info:  
Linux 4.15.0-1034-gcp  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
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 Tokyo 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 Tokyo to GCE Sydney, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows



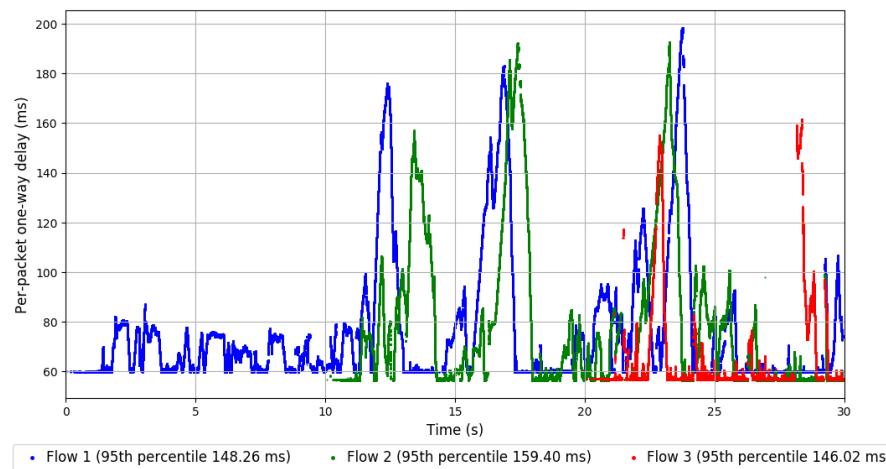
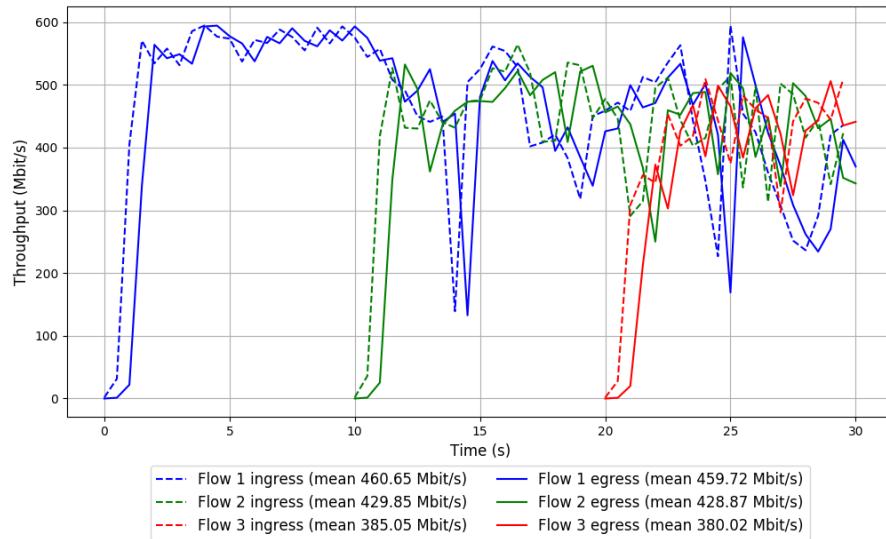
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	450.91	420.48	387.03	181.31	171.27	174.16	1.26	1.13	2.13
Copa	5	252.43	257.90	206.93	74.63	82.80	81.45	0.49	0.71	1.60
TCP Cubic	5	443.25	454.46	319.36	101.40	109.32	107.06	0.52	0.71	1.59
FillP	5	482.48	336.16	249.10	101.99	66.26	60.64	0.79	0.64	1.08
FillP-Sheep	5	465.24	309.77	242.06	84.37	63.27	63.31	0.40	0.66	1.61
Indigo	5	209.49	191.13	161.02	65.54	68.05	72.93	0.44	0.70	1.36
Indigo-MusesC3	5	419.29	340.50	240.06	77.42	67.00	62.71	0.39	0.73	2.54
Indigo-MusesC5	5	456.87	379.87	93.41	96.87	89.92	58.87	0.44	0.69	2.13
Indigo-MusesD	5	392.64	327.80	222.42	82.06	73.89	62.92	0.30	0.54	2.31
Indigo-MusesT	5	460.65	370.04	253.62	102.35	76.43	65.15	0.34	0.66	2.26
LEDBAT	5	27.28	18.05	8.78	60.00	59.83	58.82	0.62	1.18	2.40
Muses_DecisionTree	5	388.36	303.79	220.81	76.46	93.23	67.33	0.55	0.55	1.63
Muses_DecisionTreeH0	5	356.27	314.24	226.22	115.23	99.25	100.52	0.53	0.58	2.11
Muses_DecisionTreeR0	5	391.89	309.85	223.21	73.62	81.86	76.28	0.43	0.62	1.48
PCC-Allegro	5	361.12	280.65	243.53	198.86	173.18	158.60	4.28	4.77	1.91
PCC-Expr	5	229.45	225.06	79.61	94.11	113.09	62.84	0.58	2.40	2.93
QUIC Cubic	5	57.80	40.05	32.13	58.39	58.37	59.04	0.62	1.19	0.98
SCReAM	5	0.22	0.22	0.22	59.33	58.07	59.38	0.43	0.68	1.18
Sprout	5	7.10	7.08	6.71	59.90	58.51	60.64	0.33	0.58	1.23
TaoVA-100x	5	229.42	211.62	195.49	62.45	64.56	66.37	0.52	0.57	1.17
TCP Vegas	5	326.81	343.56	366.19	69.58	80.95	79.23	0.46	0.58	1.40
Verus	5	123.99	128.97	92.05	149.70	114.37	111.57	0.46	0.97	3.65
PCC-Vivace	5	274.00	181.62	110.37	69.39	67.19	66.81	0.53	0.99	1.91
WebRTC media	5	0.05	0.05	0.05	58.47	58.85	59.13	0.00	0.01	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-07-13 01:53:42
End at: 2019-07-13 01:54:12
Local clock offset: -0.432 ms
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2019-07-13 05:49:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 870.25 Mbit/s
95th percentile per-packet one-way delay: 150.657 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 459.72 Mbit/s
95th percentile per-packet one-way delay: 148.263 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 428.87 Mbit/s
95th percentile per-packet one-way delay: 159.399 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 380.02 Mbit/s
95th percentile per-packet one-way delay: 146.019 ms
Loss rate: 2.48%
```

Run 1: Report of TCP BBR — Data Link

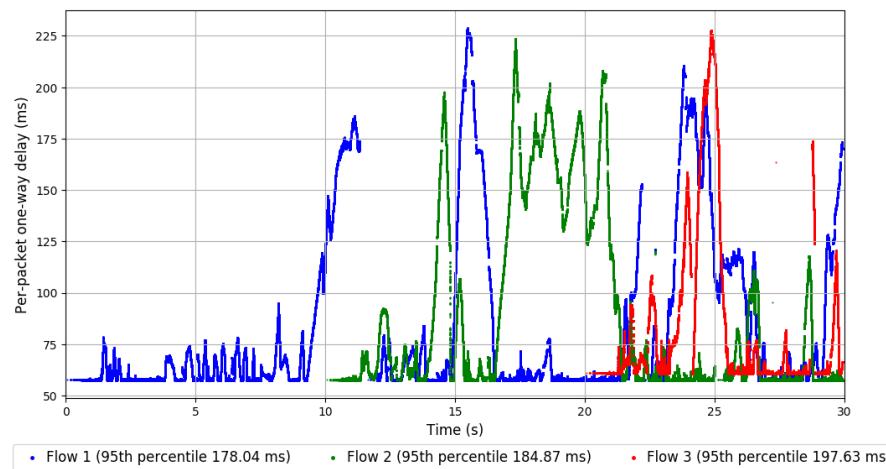
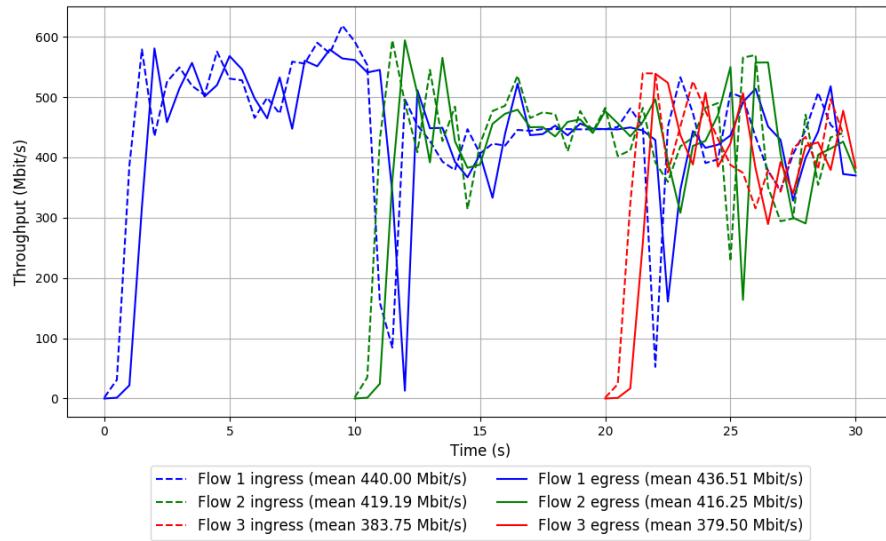


Run 2: Statistics of TCP BBR

```
Start at: 2019-07-13 02:34:40
End at: 2019-07-13 02:35:10
Local clock offset: 0.248 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2019-07-13 05:49:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 838.34 Mbit/s
95th percentile per-packet one-way delay: 182.850 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 436.51 Mbit/s
95th percentile per-packet one-way delay: 178.044 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 416.25 Mbit/s
95th percentile per-packet one-way delay: 184.874 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 379.50 Mbit/s
95th percentile per-packet one-way delay: 197.633 ms
Loss rate: 2.34%
```

Run 2: Report of TCP BBR — Data Link

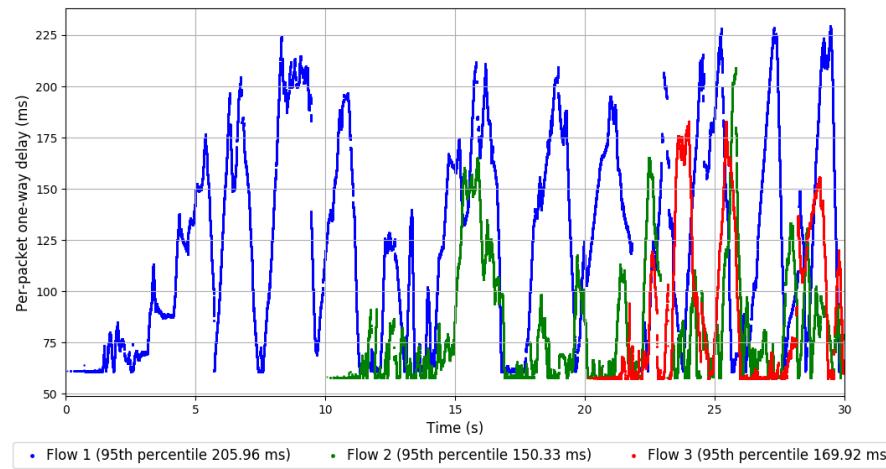
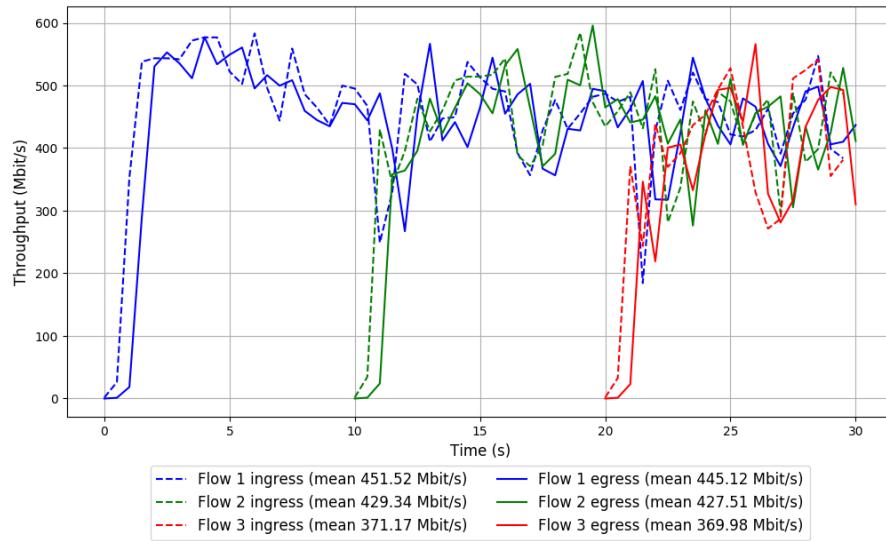


Run 3: Statistics of TCP BBR

```
Start at: 2019-07-13 03:15:17
End at: 2019-07-13 03:15:47
Local clock offset: 0.283 ms
Remote clock offset: -0.423 ms

# Below is generated by plot.py at 2019-07-13 05:49:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 851.35 Mbit/s
95th percentile per-packet one-way delay: 198.350 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 445.12 Mbit/s
95th percentile per-packet one-way delay: 205.962 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 427.51 Mbit/s
95th percentile per-packet one-way delay: 150.326 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 369.98 Mbit/s
95th percentile per-packet one-way delay: 169.917 ms
Loss rate: 1.51%
```

Run 3: Report of TCP BBR — Data Link

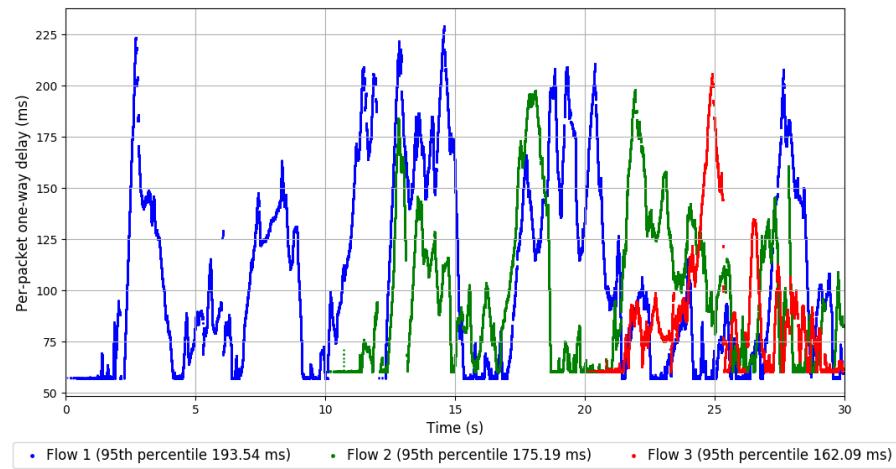
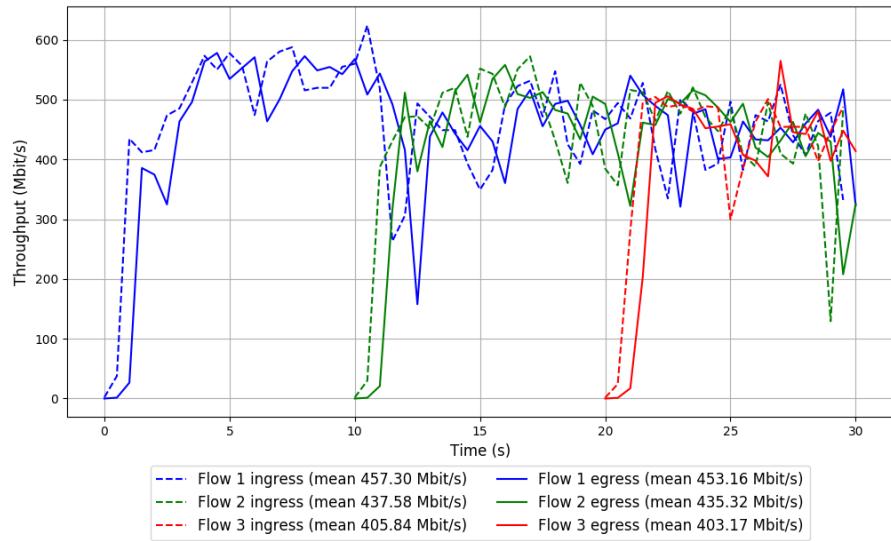


Run 4: Statistics of TCP BBR

```
Start at: 2019-07-13 03:55:50
End at: 2019-07-13 03:56:20
Local clock offset: -0.125 ms
Remote clock offset: -0.219 ms

# Below is generated by plot.py at 2019-07-13 05:49:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 875.43 Mbit/s
95th percentile per-packet one-way delay: 185.061 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 453.16 Mbit/s
95th percentile per-packet one-way delay: 193.537 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 435.32 Mbit/s
95th percentile per-packet one-way delay: 175.191 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 403.17 Mbit/s
95th percentile per-packet one-way delay: 162.090 ms
Loss rate: 1.87%
```

Run 4: Report of TCP BBR — Data Link

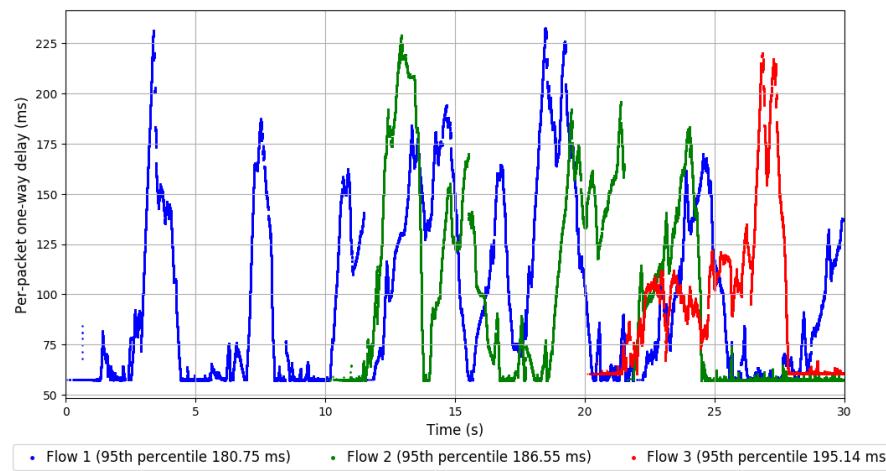
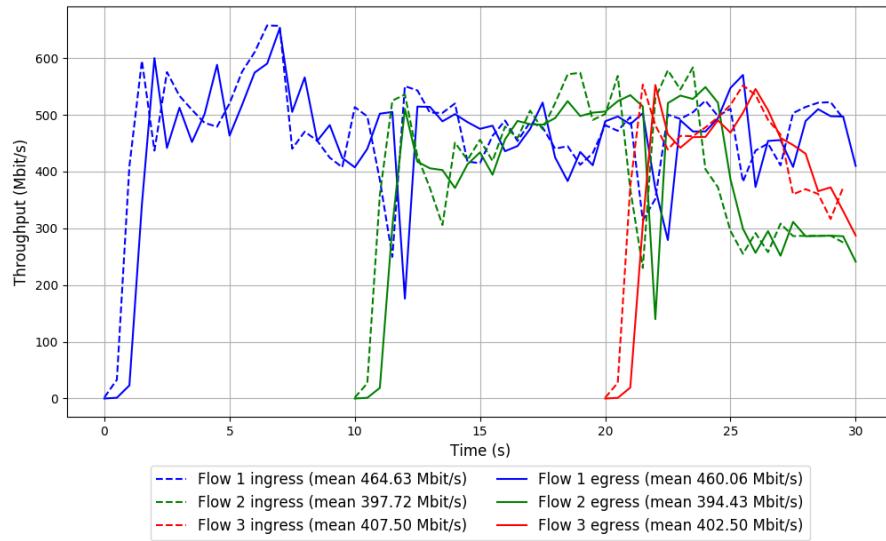


Run 5: Statistics of TCP BBR

```
Start at: 2019-07-13 04:37:11
End at: 2019-07-13 04:37:41
Local clock offset: 0.194 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2019-07-13 05:49:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 854.93 Mbit/s
95th percentile per-packet one-way delay: 183.378 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 460.06 Mbit/s
95th percentile per-packet one-way delay: 180.752 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 394.43 Mbit/s
95th percentile per-packet one-way delay: 186.551 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 402.50 Mbit/s
95th percentile per-packet one-way delay: 195.140 ms
Loss rate: 2.43%
```

Run 5: Report of TCP BBR — Data Link

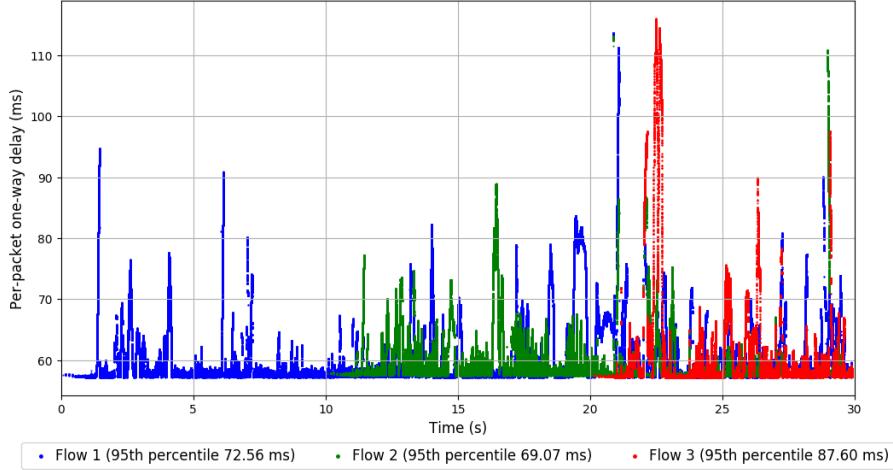
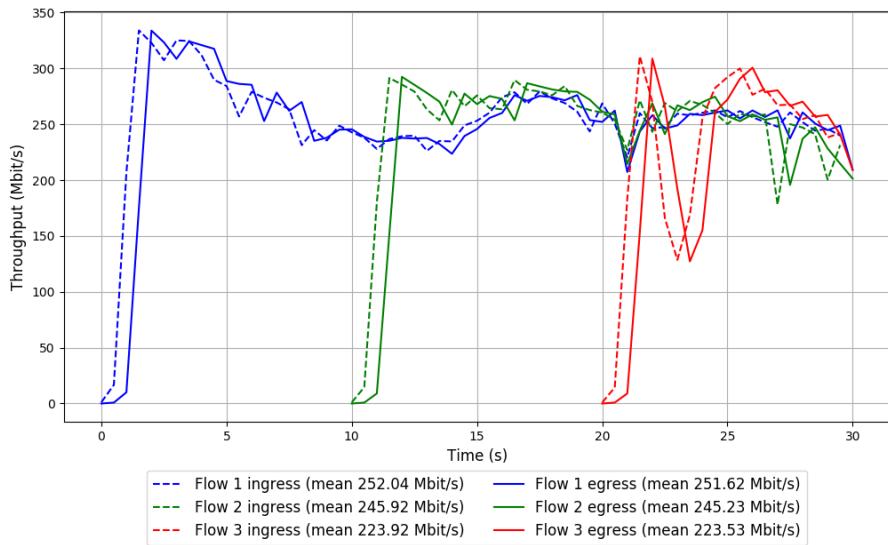


Run 1: Statistics of Copa

```
Start at: 2019-07-13 02:12:35
End at: 2019-07-13 02:13:06
Local clock offset: -0.239 ms
Remote clock offset: -0.66 ms

# Below is generated by plot.py at 2019-07-13 05:49:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 488.27 Mbit/s
95th percentile per-packet one-way delay: 72.666 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 251.62 Mbit/s
95th percentile per-packet one-way delay: 72.561 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 245.23 Mbit/s
95th percentile per-packet one-way delay: 69.066 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 223.53 Mbit/s
95th percentile per-packet one-way delay: 87.603 ms
Loss rate: 1.36%
```

Run 1: Report of Copa — Data Link

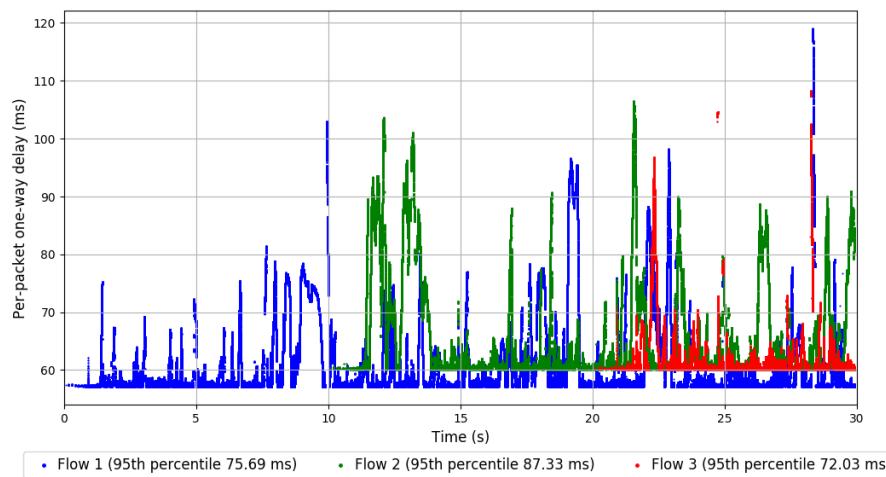
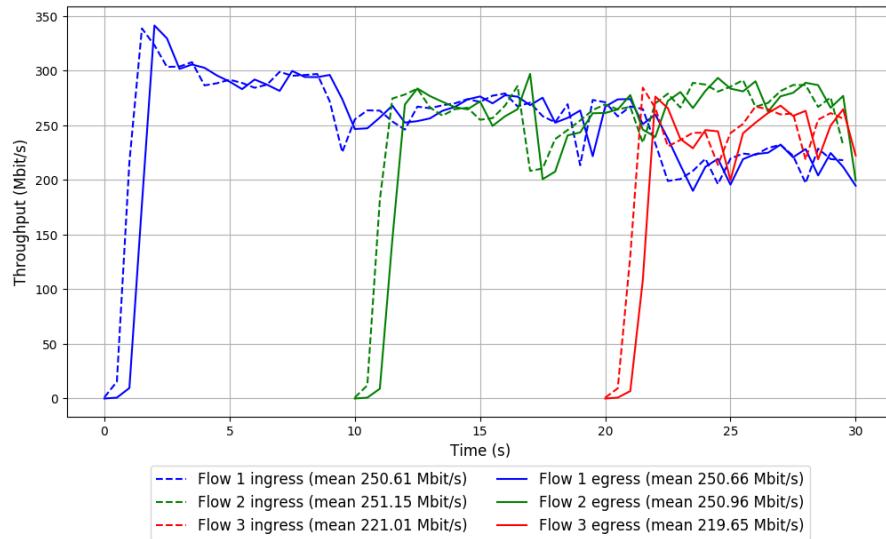


Run 2: Statistics of Copa

```
Start at: 2019-07-13 02:53:02
End at: 2019-07-13 02:53:32
Local clock offset: 0.0 ms
Remote clock offset: 0.061 ms

# Below is generated by plot.py at 2019-07-13 05:49:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 489.68 Mbit/s
95th percentile per-packet one-way delay: 81.282 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 250.66 Mbit/s
95th percentile per-packet one-way delay: 75.692 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 250.96 Mbit/s
95th percentile per-packet one-way delay: 87.331 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 219.65 Mbit/s
95th percentile per-packet one-way delay: 72.029 ms
Loss rate: 1.82%
```

Run 2: Report of Copa — Data Link

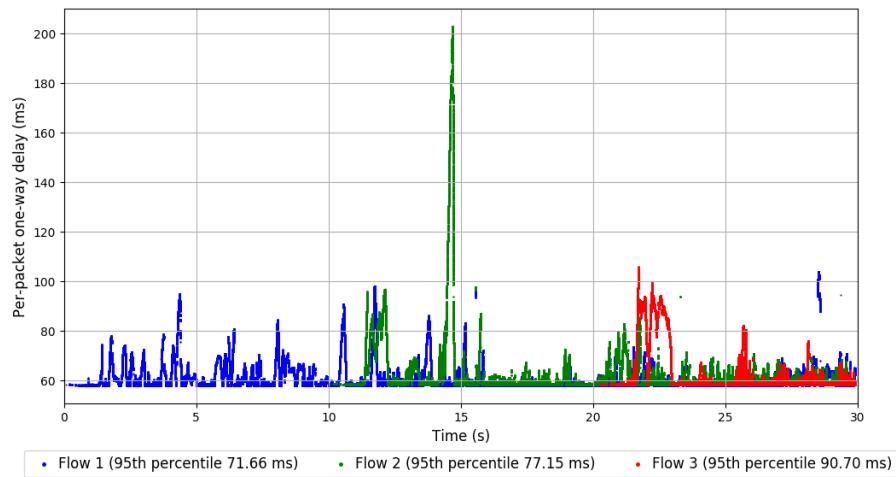
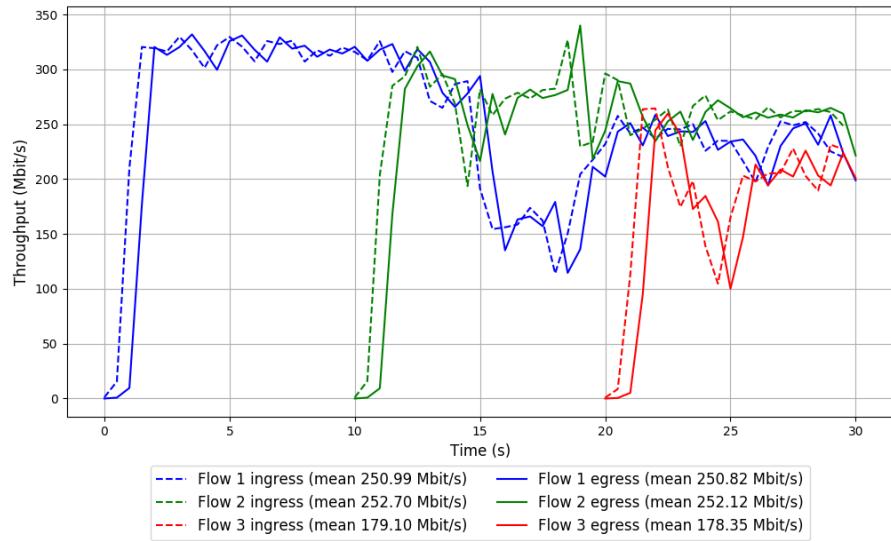


Run 3: Statistics of Copa

```
Start at: 2019-07-13 03:33:48
End at: 2019-07-13 03:34:18
Local clock offset: 0.281 ms
Remote clock offset: -0.858 ms

# Below is generated by plot.py at 2019-07-13 05:49:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 476.66 Mbit/s
95th percentile per-packet one-way delay: 78.091 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 250.82 Mbit/s
95th percentile per-packet one-way delay: 71.660 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 252.12 Mbit/s
95th percentile per-packet one-way delay: 77.151 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 178.35 Mbit/s
95th percentile per-packet one-way delay: 90.703 ms
Loss rate: 1.57%
```

Run 3: Report of Copa — Data Link

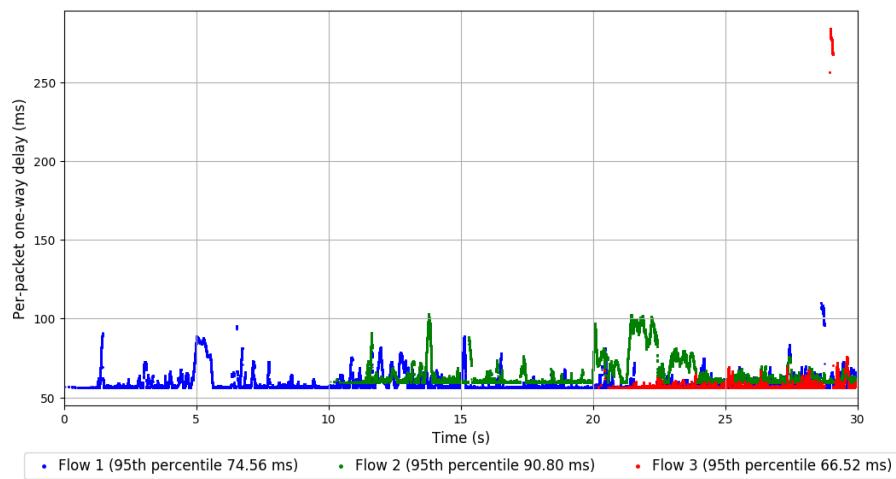
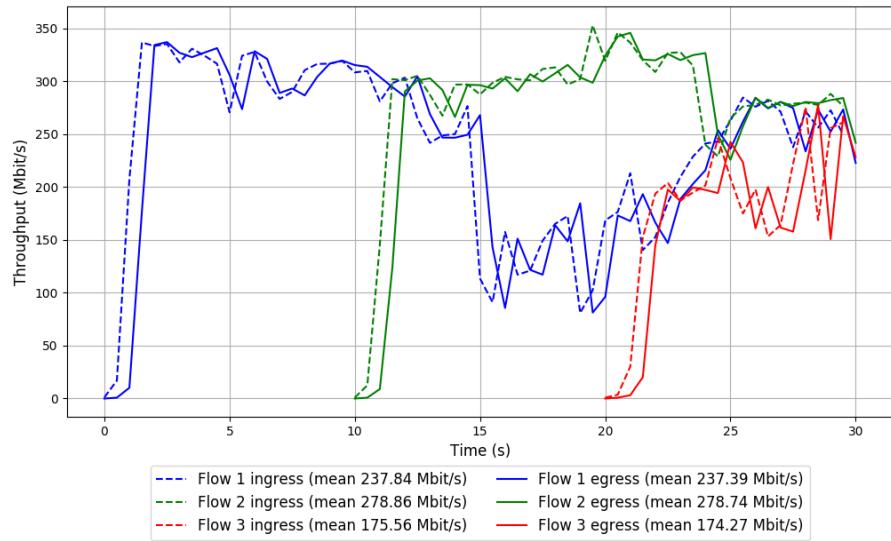


Run 4: Statistics of Copa

```
Start at: 2019-07-13 04:14:56
End at: 2019-07-13 04:15:26
Local clock offset: 0.3 ms
Remote clock offset: 0.73 ms

# Below is generated by plot.py at 2019-07-13 06:05:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 480.15 Mbit/s
95th percentile per-packet one-way delay: 79.559 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 237.39 Mbit/s
95th percentile per-packet one-way delay: 74.563 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 278.74 Mbit/s
95th percentile per-packet one-way delay: 90.799 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 174.27 Mbit/s
95th percentile per-packet one-way delay: 66.521 ms
Loss rate: 1.87%
```

Run 4: Report of Copa — Data Link

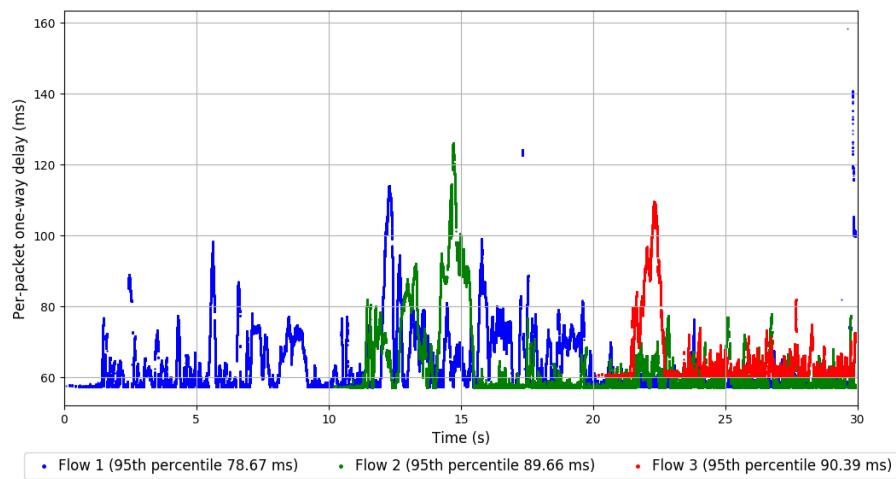
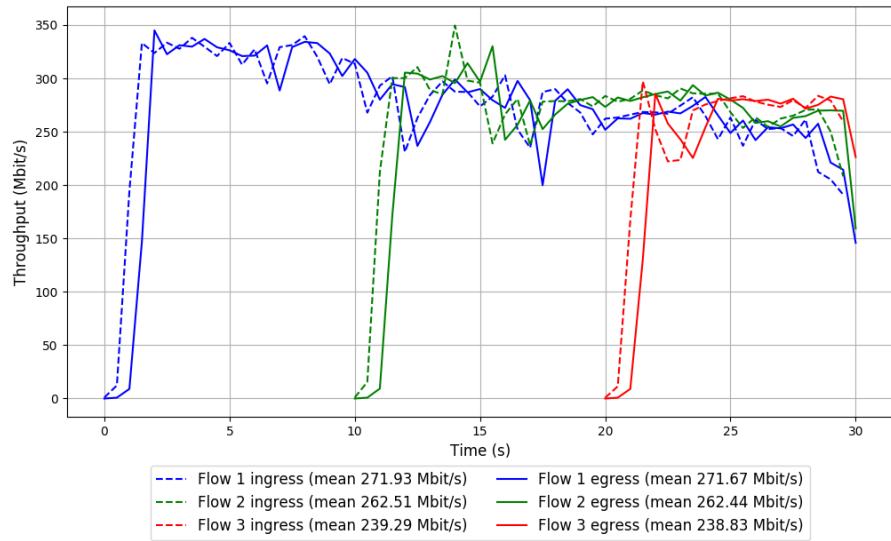


Run 5: Statistics of Copa

```
Start at: 2019-07-13 04:56:09
End at: 2019-07-13 04:56:39
Local clock offset: 0.275 ms
Remote clock offset: -0.087 ms

# Below is generated by plot.py at 2019-07-13 06:07:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 524.69 Mbit/s
95th percentile per-packet one-way delay: 85.783 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 271.67 Mbit/s
95th percentile per-packet one-way delay: 78.669 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 262.44 Mbit/s
95th percentile per-packet one-way delay: 89.663 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 238.83 Mbit/s
95th percentile per-packet one-way delay: 90.390 ms
Loss rate: 1.38%
```

Run 5: Report of Copa — Data Link

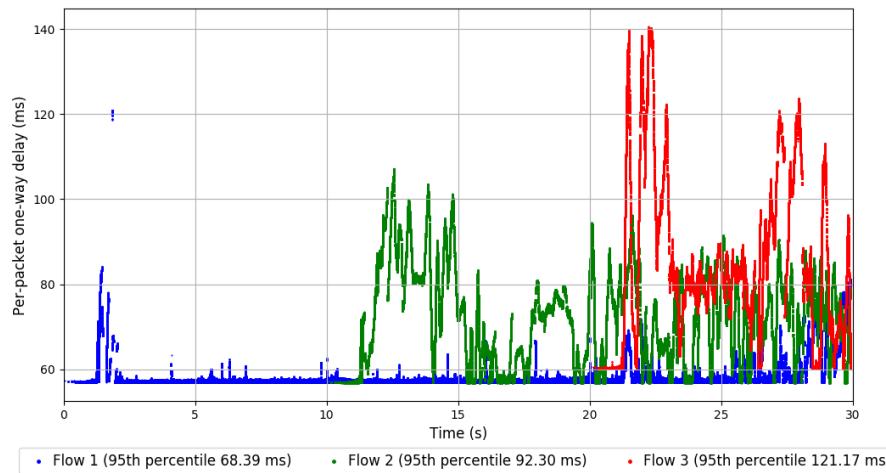
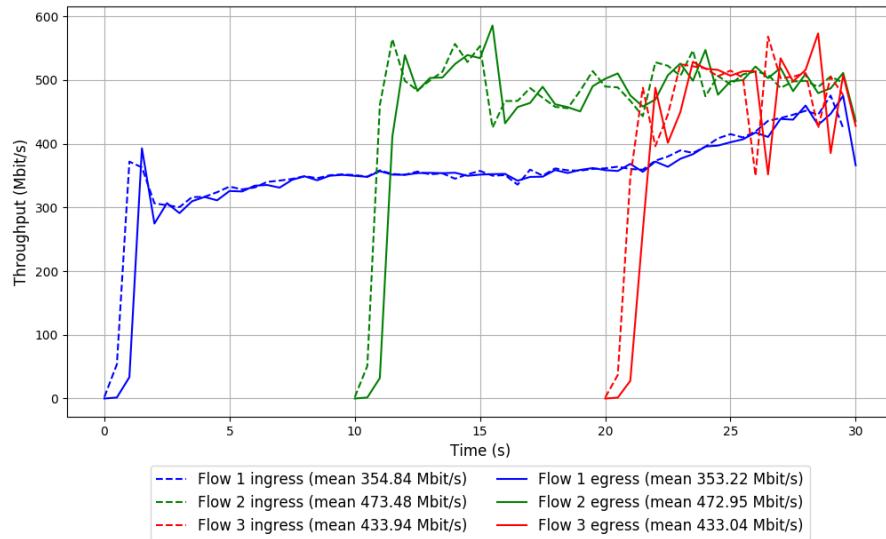


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-07-13 02:15:55
End at: 2019-07-13 02:16:25
Local clock offset: -0.313 ms
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2019-07-13 06:07:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 810.38 Mbit/s
95th percentile per-packet one-way delay: 97.386 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 353.22 Mbit/s
95th percentile per-packet one-way delay: 68.385 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 472.95 Mbit/s
95th percentile per-packet one-way delay: 92.297 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 433.04 Mbit/s
95th percentile per-packet one-way delay: 121.167 ms
Loss rate: 1.43%
```

Run 1: Report of TCP Cubic — Data Link

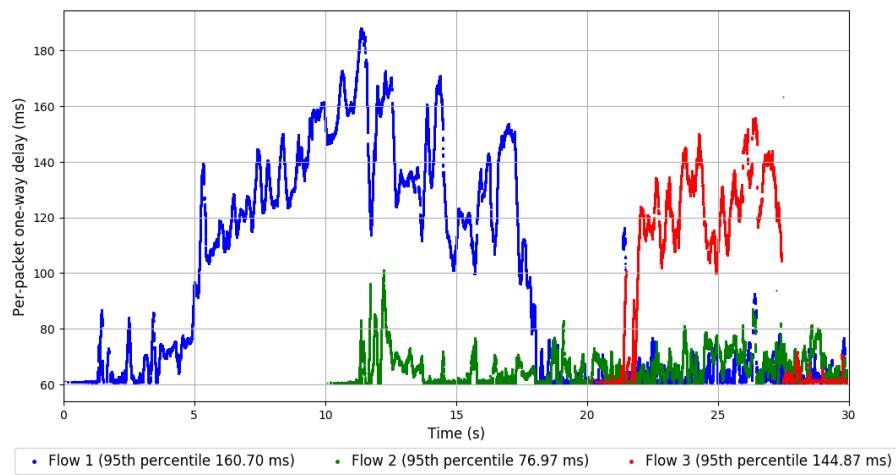
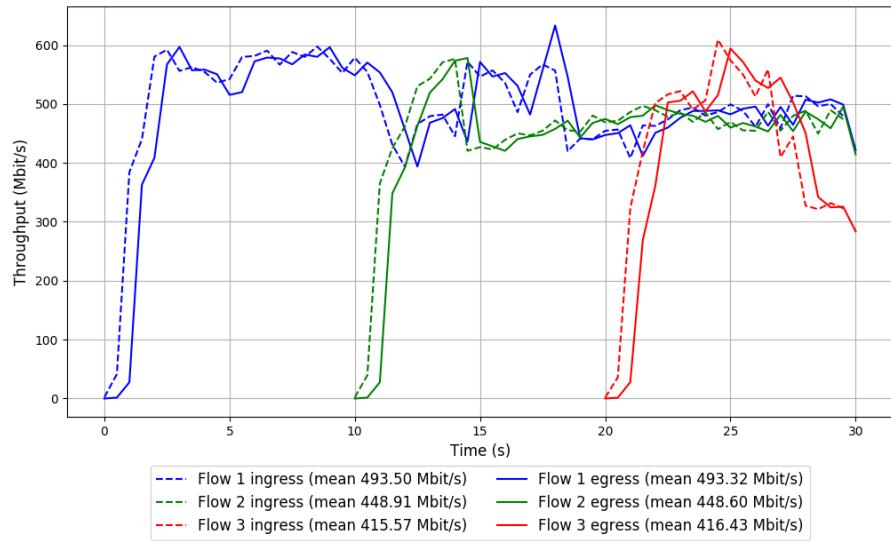


Run 2: Statistics of TCP Cubic

```
Start at: 2019-07-13 02:56:20
End at: 2019-07-13 02:56:50
Local clock offset: 0.354 ms
Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2019-07-13 06:07:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 928.82 Mbit/s
95th percentile per-packet one-way delay: 153.708 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 493.32 Mbit/s
95th percentile per-packet one-way delay: 160.697 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 448.60 Mbit/s
95th percentile per-packet one-way delay: 76.967 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 416.43 Mbit/s
95th percentile per-packet one-way delay: 144.874 ms
Loss rate: 0.98%
```

Run 2: Report of TCP Cubic — Data Link

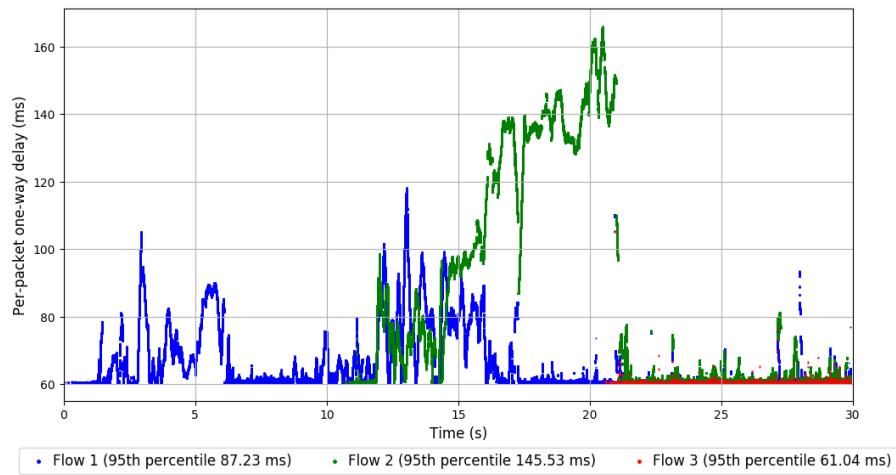
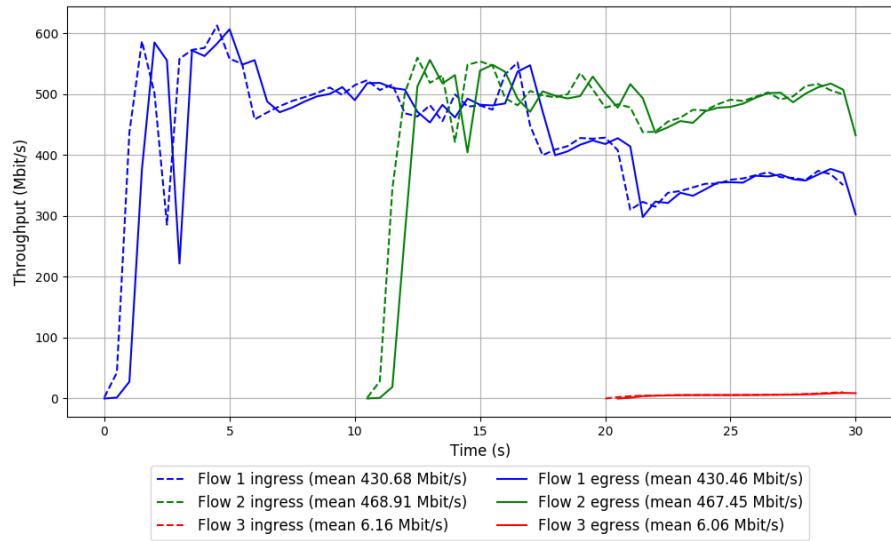


Run 3: Statistics of TCP Cubic

```
Start at: 2019-07-13 03:37:05
End at: 2019-07-13 03:37:35
Local clock offset: -0.083 ms
Remote clock offset: -0.25 ms

# Below is generated by plot.py at 2019-07-13 06:07:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 734.96 Mbit/s
95th percentile per-packet one-way delay: 137.367 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 430.46 Mbit/s
95th percentile per-packet one-way delay: 87.233 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 467.45 Mbit/s
95th percentile per-packet one-way delay: 145.531 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 6.06 Mbit/s
95th percentile per-packet one-way delay: 61.037 ms
Loss rate: 2.71%
```

Run 3: Report of TCP Cubic — Data Link

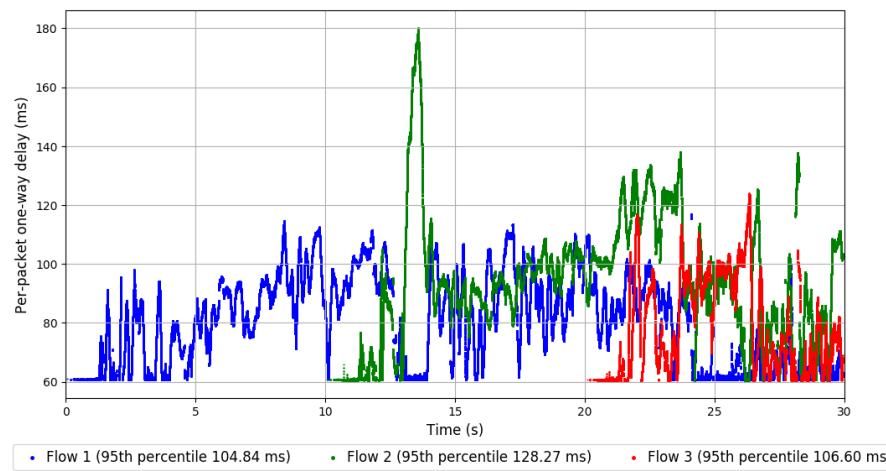
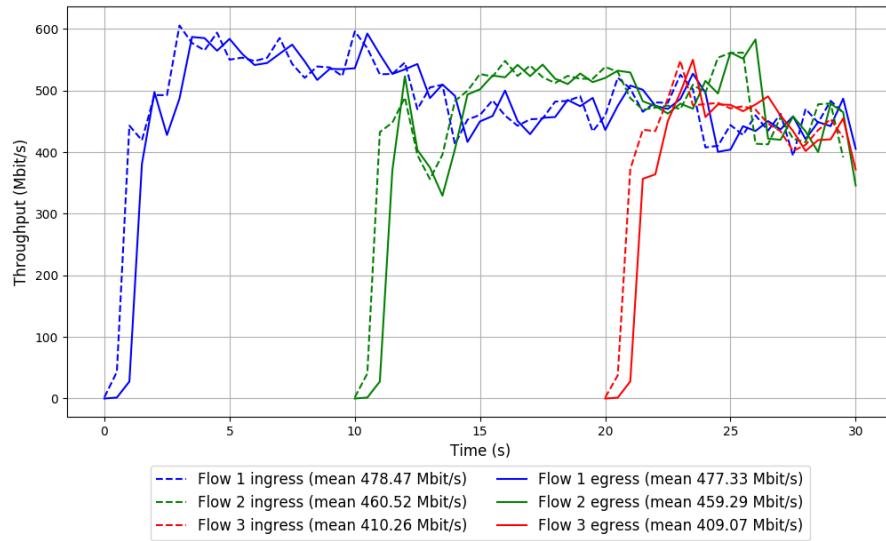


Run 4: Statistics of TCP Cubic

```
Start at: 2019-07-13 04:18:14
End at: 2019-07-13 04:18:44
Local clock offset: 0.316 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2019-07-13 06:07:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 917.50 Mbit/s
95th percentile per-packet one-way delay: 113.798 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 477.33 Mbit/s
95th percentile per-packet one-way delay: 104.836 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 459.29 Mbit/s
95th percentile per-packet one-way delay: 128.269 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 409.07 Mbit/s
95th percentile per-packet one-way delay: 106.597 ms
Loss rate: 1.44%
```

Run 4: Report of TCP Cubic — Data Link

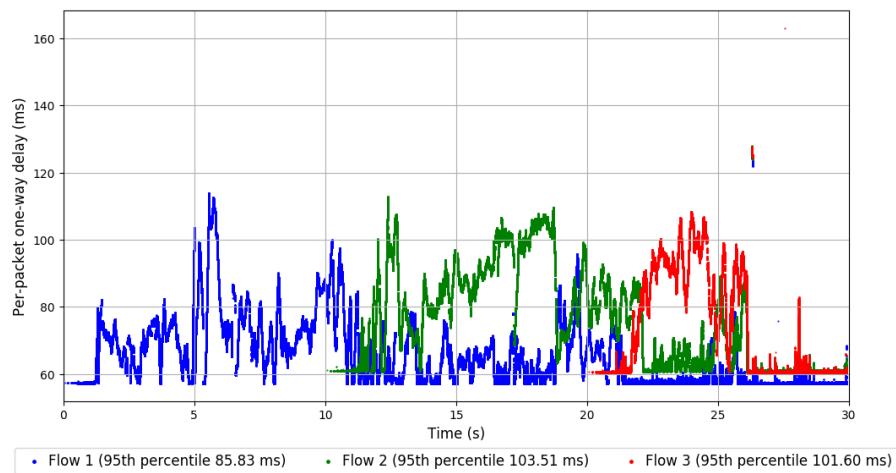
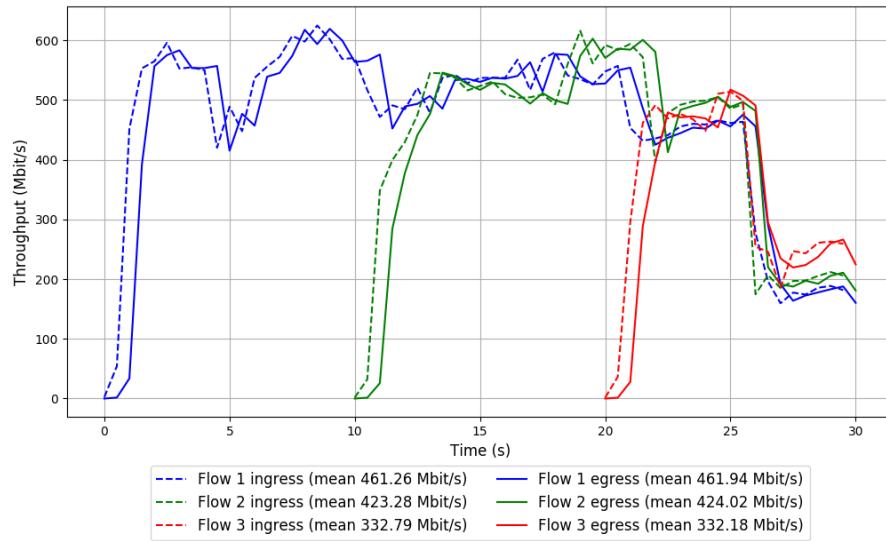


Run 5: Statistics of TCP Cubic

```
Start at: 2019-07-13 04:59:30
End at: 2019-07-13 05:00:00
Local clock offset: 0.314 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2019-07-13 06:07:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 853.25 Mbit/s
95th percentile per-packet one-way delay: 99.782 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 461.94 Mbit/s
95th percentile per-packet one-way delay: 85.831 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 424.02 Mbit/s
95th percentile per-packet one-way delay: 103.514 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 332.18 Mbit/s
95th percentile per-packet one-way delay: 101.602 ms
Loss rate: 1.39%
```

Run 5: Report of TCP Cubic — Data Link

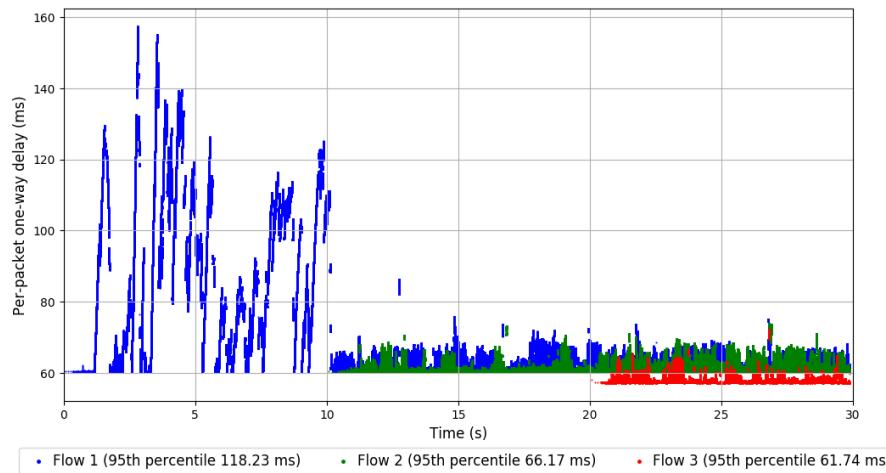
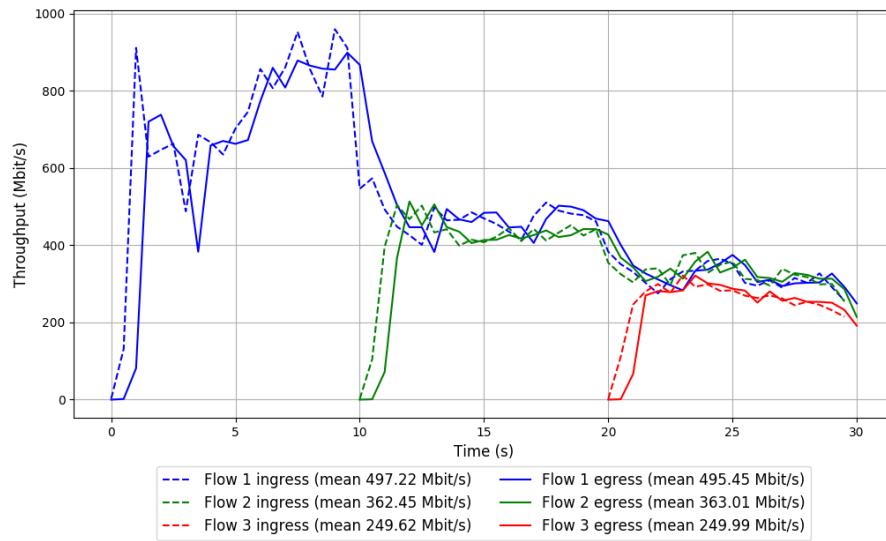


```
Run 1: Statistics of FillP

Start at: 2019-07-13 02:08:59
End at: 2019-07-13 02:09:29
Local clock offset: -0.031 ms
Remote clock offset: -0.171 ms

# Below is generated by plot.py at 2019-07-13 06:08:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 818.44 Mbit/s
95th percentile per-packet one-way delay: 111.415 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 495.45 Mbit/s
95th percentile per-packet one-way delay: 118.228 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 363.01 Mbit/s
95th percentile per-packet one-way delay: 66.170 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 249.99 Mbit/s
95th percentile per-packet one-way delay: 61.741 ms
Loss rate: 0.93%
```

Run 1: Report of FillP — Data Link

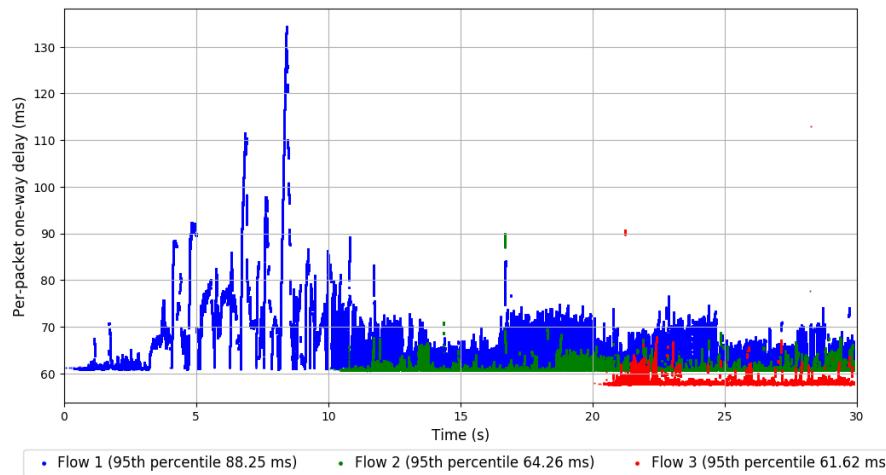
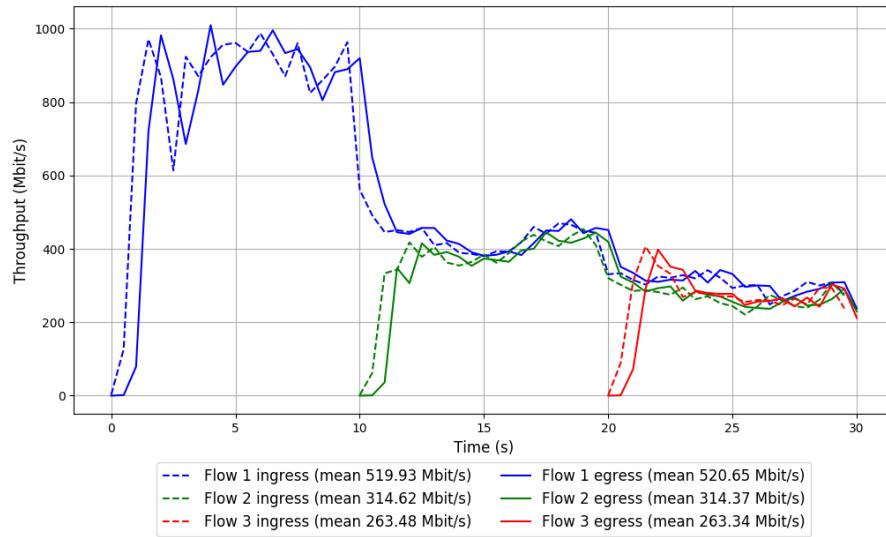


Run 2: Statistics of FillP

```
Start at: 2019-07-13 02:49:25
End at: 2019-07-13 02:49:55
Local clock offset: 0.38 ms
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2019-07-13 06:21:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 816.00 Mbit/s
95th percentile per-packet one-way delay: 82.935 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 520.65 Mbit/s
95th percentile per-packet one-way delay: 88.254 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 314.37 Mbit/s
95th percentile per-packet one-way delay: 64.259 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 263.34 Mbit/s
95th percentile per-packet one-way delay: 61.625 ms
Loss rate: 1.13%
```

Run 2: Report of FillP — Data Link

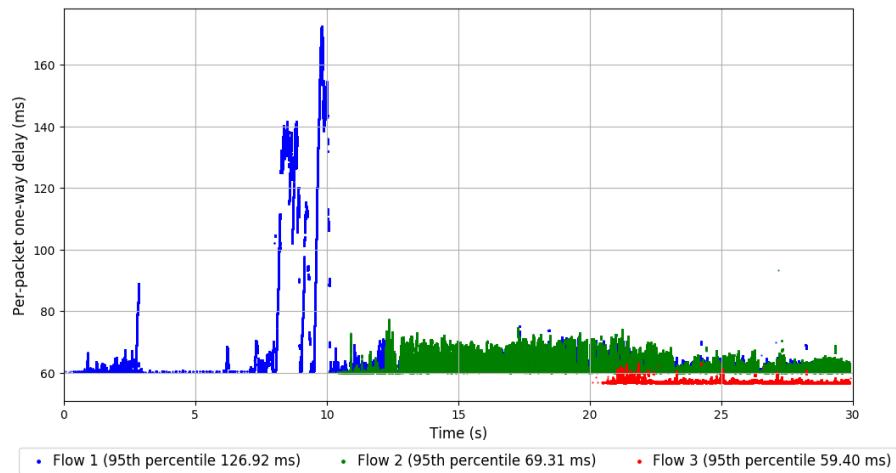
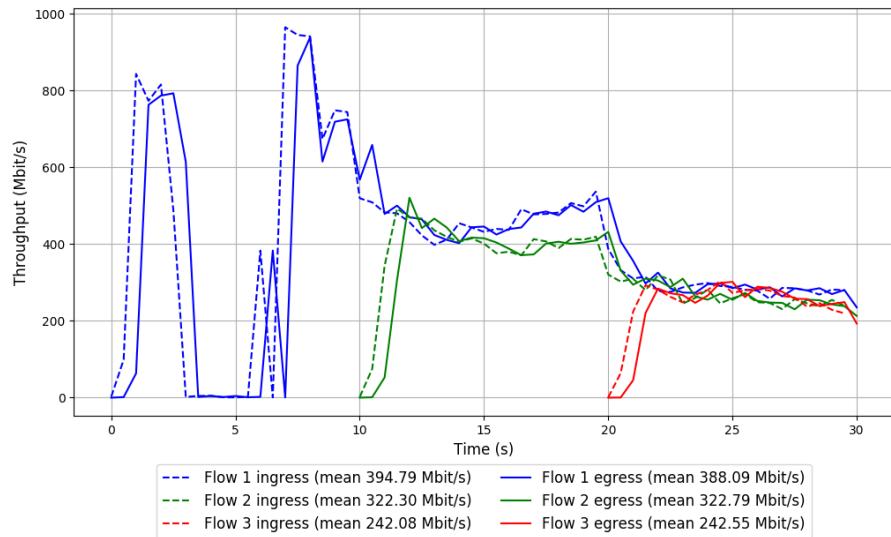


Run 3: Statistics of FillP

```
Start at: 2019-07-13 03:30:18
End at: 2019-07-13 03:30:48
Local clock offset: -0.139 ms
Remote clock offset: -0.224 ms

# Below is generated by plot.py at 2019-07-13 06:21:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 682.03 Mbit/s
95th percentile per-packet one-way delay: 91.538 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 388.09 Mbit/s
95th percentile per-packet one-way delay: 126.923 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 322.79 Mbit/s
95th percentile per-packet one-way delay: 69.310 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 242.55 Mbit/s
95th percentile per-packet one-way delay: 59.402 ms
Loss rate: 0.91%
```

Run 3: Report of FillP — Data Link

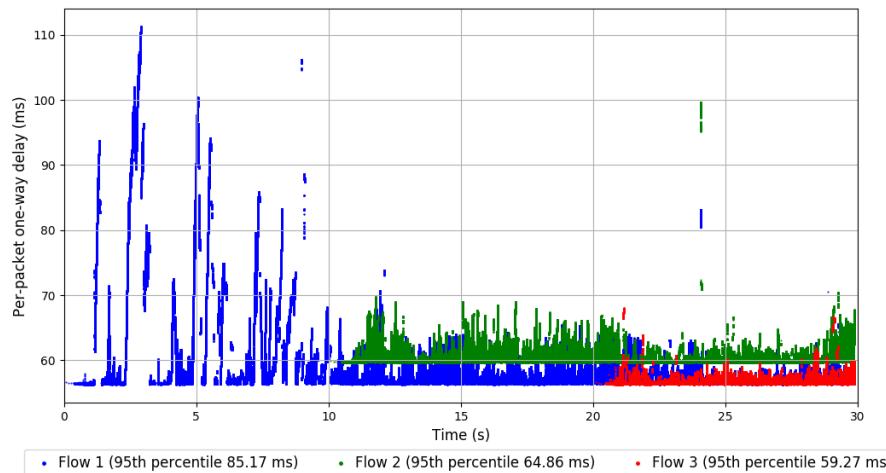
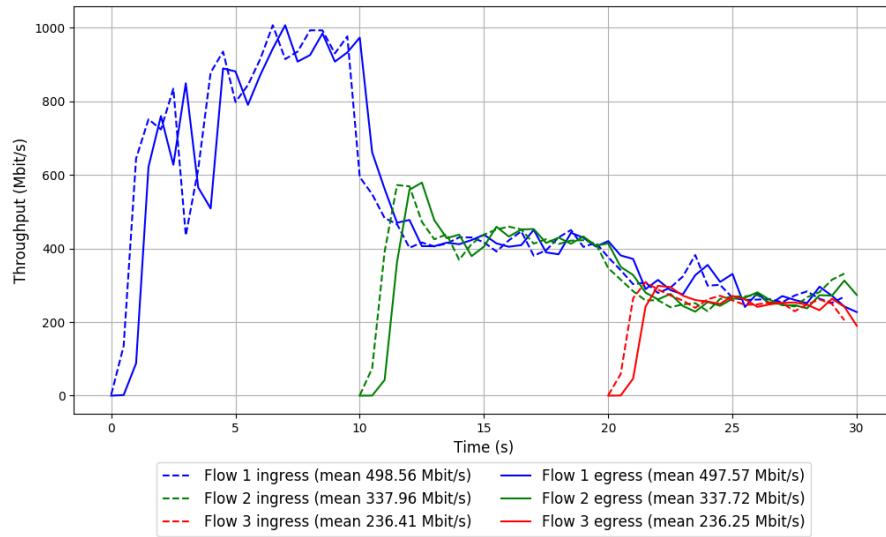


Run 4: Statistics of FillP

```
Start at: 2019-07-13 04:11:17
End at: 2019-07-13 04:11:47
Local clock offset: -0.524 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2019-07-13 06:23:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 799.25 Mbit/s
95th percentile per-packet one-way delay: 77.303 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 497.57 Mbit/s
95th percentile per-packet one-way delay: 85.174 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 337.72 Mbit/s
95th percentile per-packet one-way delay: 64.860 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 236.25 Mbit/s
95th percentile per-packet one-way delay: 59.266 ms
Loss rate: 1.16%
```

Run 4: Report of FillP — Data Link

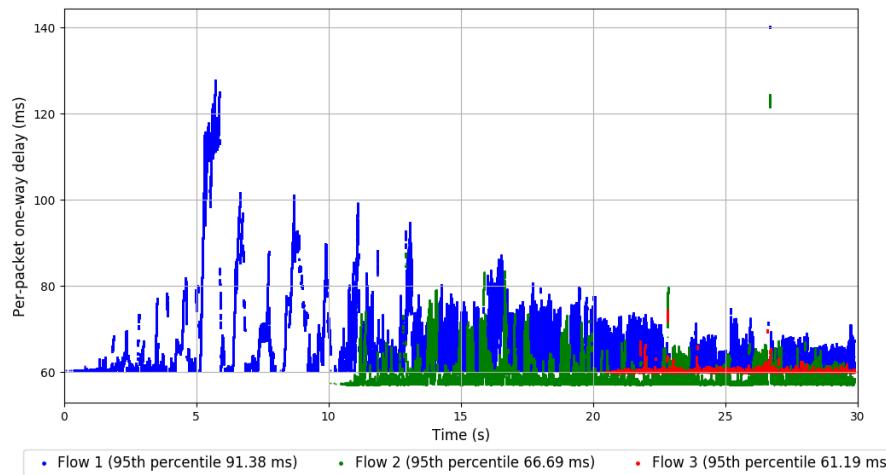
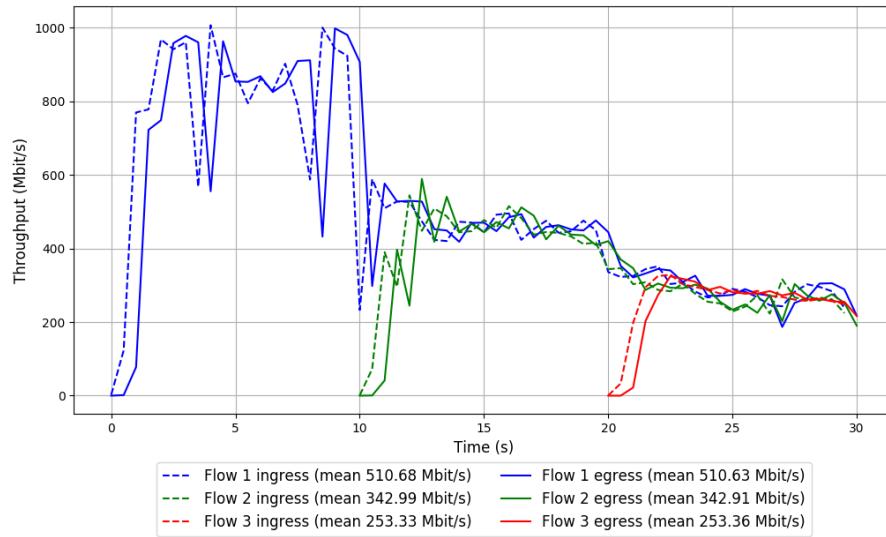


```
Run 5: Statistics of FillP
```

```
Start at: 2019-07-13 04:52:30
End at: 2019-07-13 04:53:00
Local clock offset: 0.318 ms
Remote clock offset: 0.408 ms

# Below is generated by plot.py at 2019-07-13 06:24:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 821.29 Mbit/s
95th percentile per-packet one-way delay: 84.401 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 510.63 Mbit/s
95th percentile per-packet one-way delay: 91.378 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 342.91 Mbit/s
95th percentile per-packet one-way delay: 66.689 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 253.36 Mbit/s
95th percentile per-packet one-way delay: 61.189 ms
Loss rate: 1.27%
```

Run 5: Report of FillP — Data Link

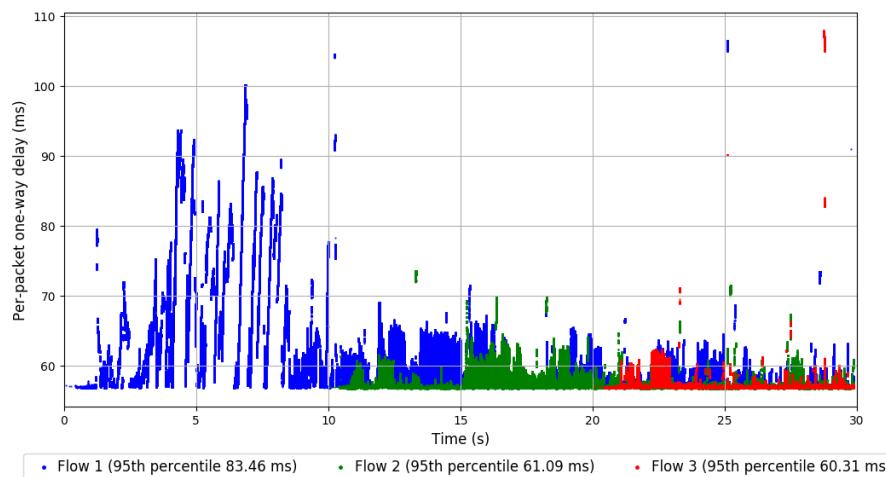
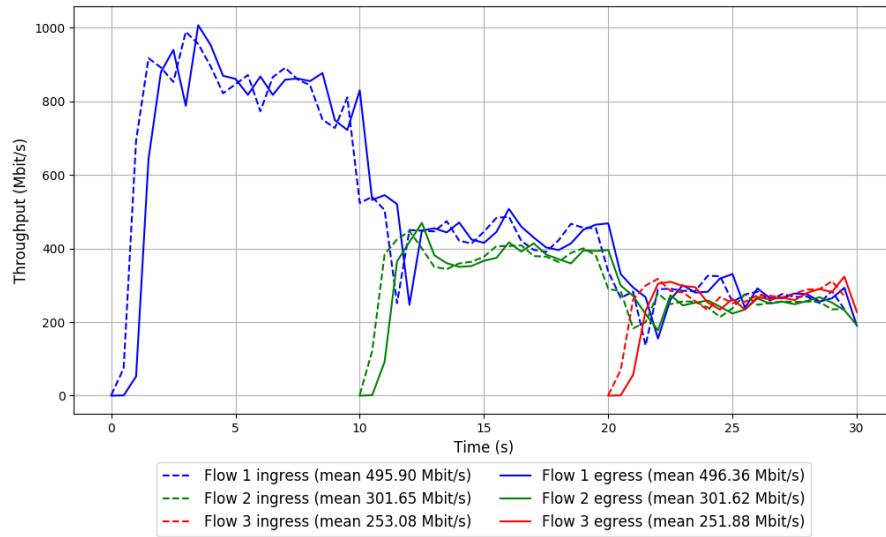


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-07-13 02:26:01
End at: 2019-07-13 02:26:31
Local clock offset: -0.339 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2019-07-13 06:24:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 779.51 Mbit/s
95th percentile per-packet one-way delay: 80.217 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 496.36 Mbit/s
95th percentile per-packet one-way delay: 83.456 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 301.62 Mbit/s
95th percentile per-packet one-way delay: 61.093 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 251.88 Mbit/s
95th percentile per-packet one-way delay: 60.309 ms
Loss rate: 1.82%
```

Run 1: Report of FillP-Sheep — Data Link

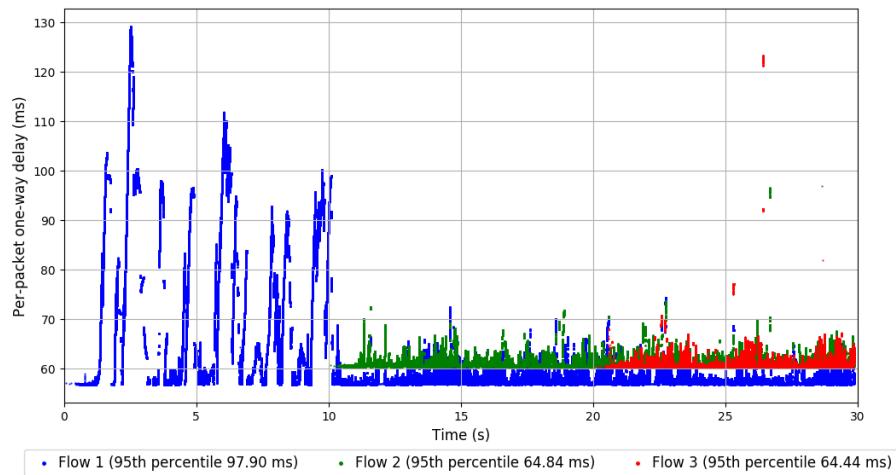
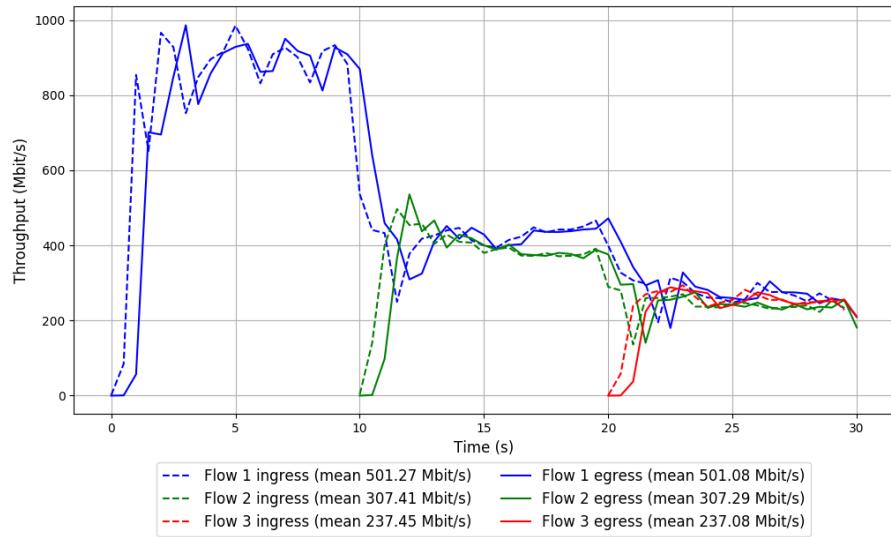


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-07-13 03:06:30
End at: 2019-07-13 03:07:00
Local clock offset: 0.086 ms
Remote clock offset: 0.128 ms

# Below is generated by plot.py at 2019-07-13 06:24:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 782.88 Mbit/s
95th percentile per-packet one-way delay: 95.521 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 501.08 Mbit/s
95th percentile per-packet one-way delay: 97.903 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 307.29 Mbit/s
95th percentile per-packet one-way delay: 64.837 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 237.08 Mbit/s
95th percentile per-packet one-way delay: 64.441 ms
Loss rate: 1.49%
```

Run 2: Report of FillP-Sheep — Data Link

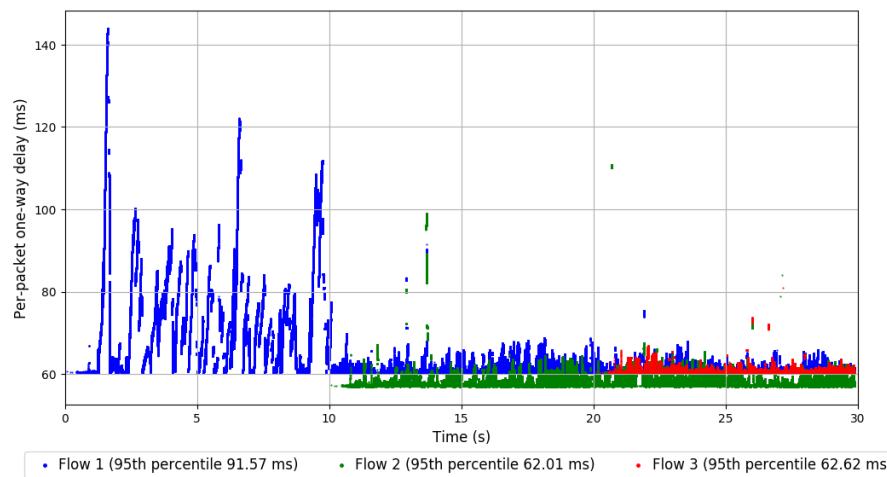
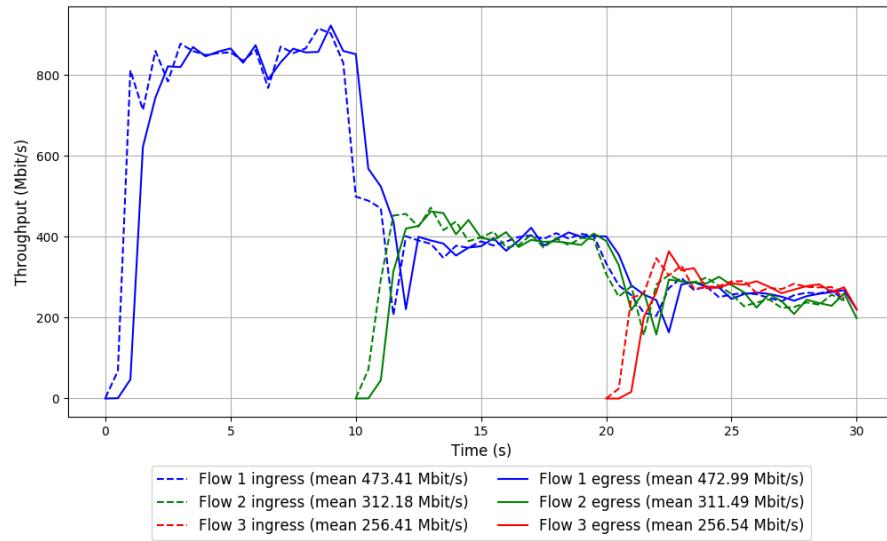


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-07-13 03:47:06
End at: 2019-07-13 03:47:36
Local clock offset: 0.042 ms
Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2019-07-13 06:24:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 763.99 Mbit/s
95th percentile per-packet one-way delay: 86.142 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 472.99 Mbit/s
95th percentile per-packet one-way delay: 91.566 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 311.49 Mbit/s
95th percentile per-packet one-way delay: 62.007 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 256.54 Mbit/s
95th percentile per-packet one-way delay: 62.624 ms
Loss rate: 1.32%
```

Run 3: Report of FillP-Sheep — Data Link

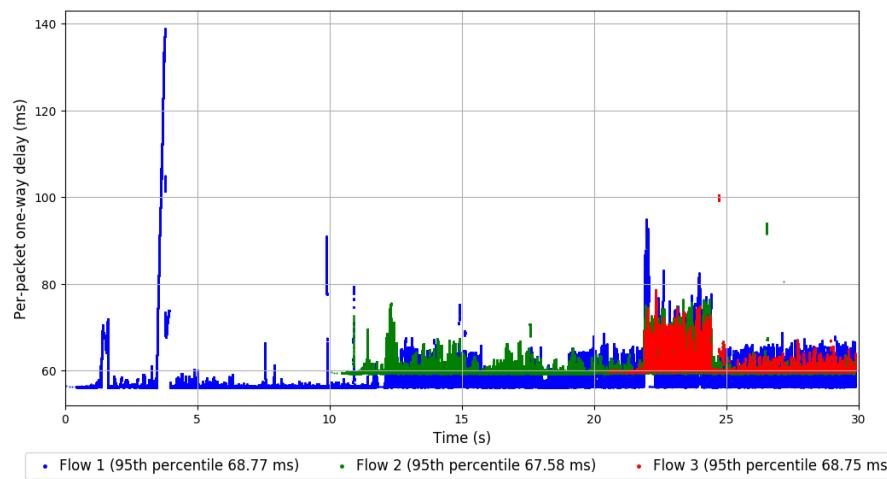
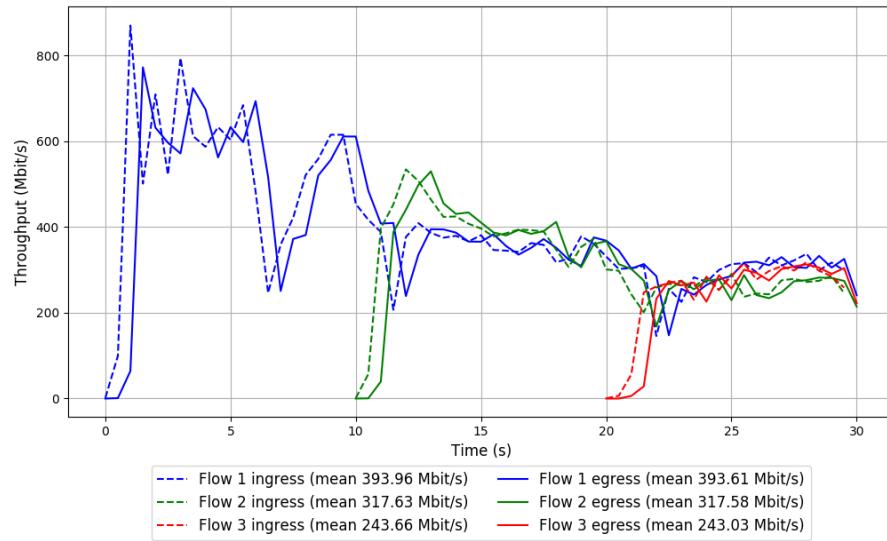


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-07-13 04:28:32
End at: 2019-07-13 04:29:02
Local clock offset: -0.531 ms
Remote clock offset: 0.099 ms

# Below is generated by plot.py at 2019-07-13 06:24:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 684.32 Mbit/s
95th percentile per-packet one-way delay: 68.431 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 393.61 Mbit/s
95th percentile per-packet one-way delay: 68.773 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 317.58 Mbit/s
95th percentile per-packet one-way delay: 67.577 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 243.03 Mbit/s
95th percentile per-packet one-way delay: 68.753 ms
Loss rate: 1.40%
```

Run 4: Report of FillP-Sheep — Data Link

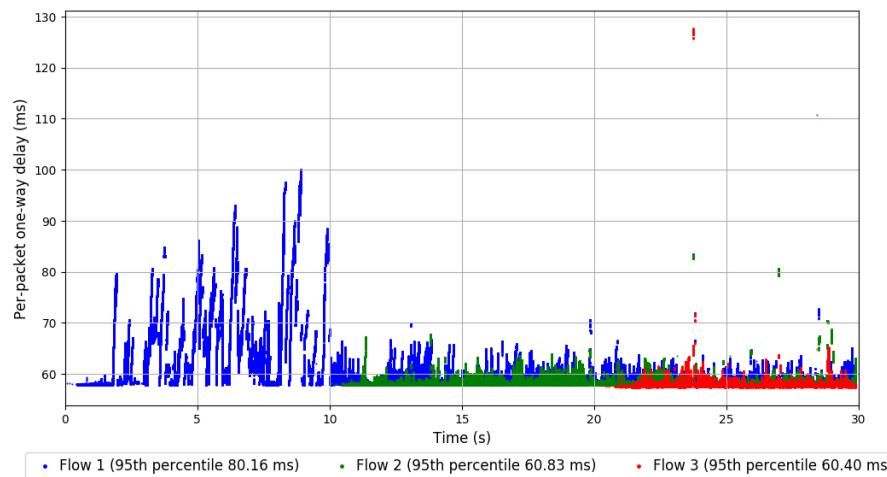
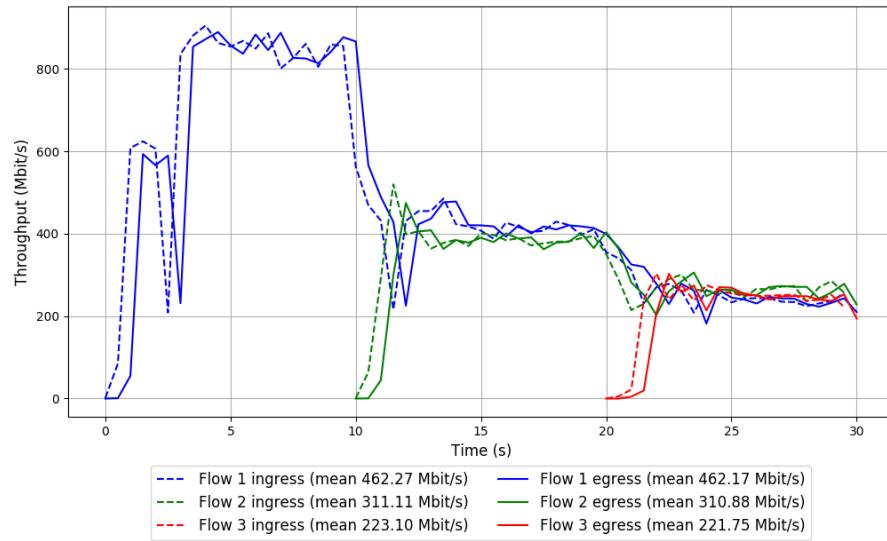


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-07-13 05:09:33
End at: 2019-07-13 05:10:03
Local clock offset: -0.106 ms
Remote clock offset: -0.72 ms

# Below is generated by plot.py at 2019-07-13 06:38:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 739.58 Mbit/s
95th percentile per-packet one-way delay: 76.735 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 462.17 Mbit/s
95th percentile per-packet one-way delay: 80.159 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 310.88 Mbit/s
95th percentile per-packet one-way delay: 60.826 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 221.75 Mbit/s
95th percentile per-packet one-way delay: 60.403 ms
Loss rate: 2.04%
```

Run 5: Report of FillP-Sheep — Data Link

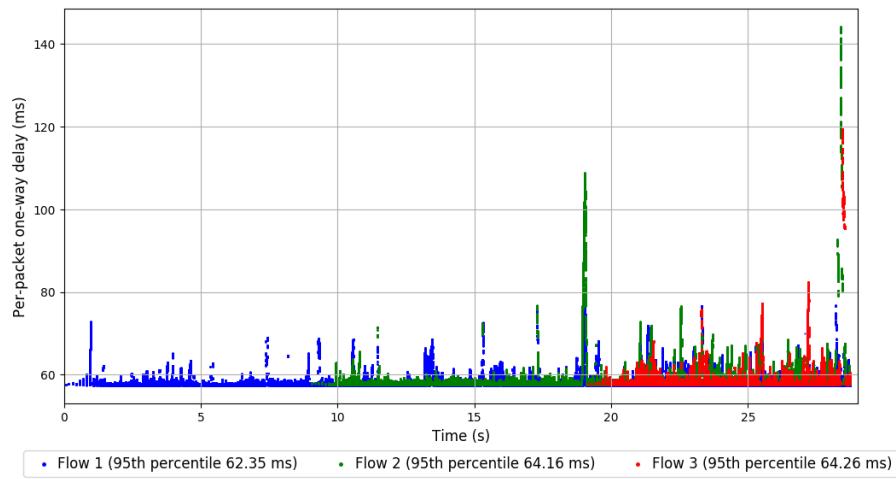
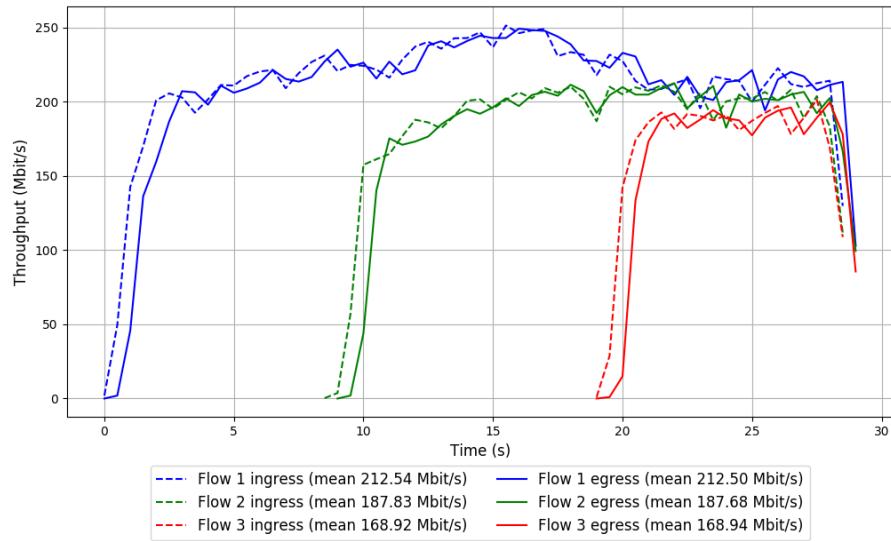


Run 1: Statistics of Indigo

```
Start at: 2019-07-13 02:10:46
End at: 2019-07-13 02:11:16
Local clock offset: -0.039 ms
Remote clock offset: -0.661 ms

# Below is generated by plot.py at 2019-07-13 06:38:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 397.68 Mbit/s
95th percentile per-packet one-way delay: 63.298 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 212.50 Mbit/s
95th percentile per-packet one-way delay: 62.352 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 187.68 Mbit/s
95th percentile per-packet one-way delay: 64.161 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 168.94 Mbit/s
95th percentile per-packet one-way delay: 64.258 ms
Loss rate: 1.22%
```

Run 1: Report of Indigo — Data Link

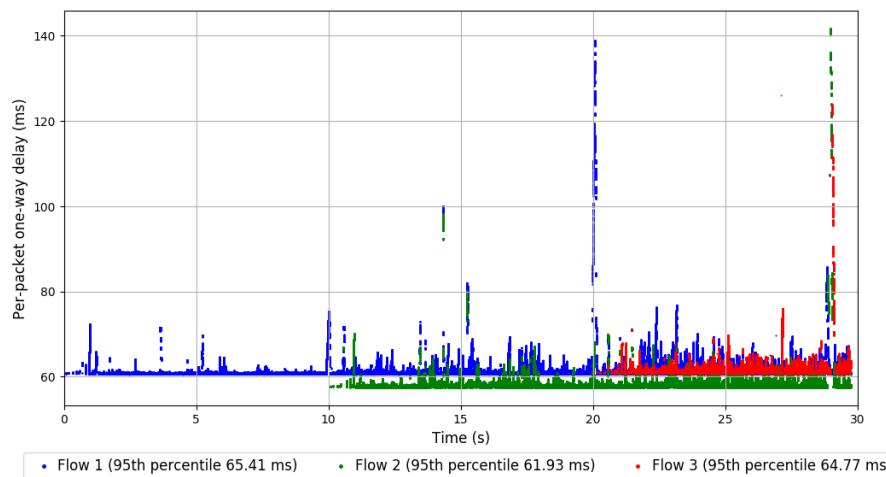
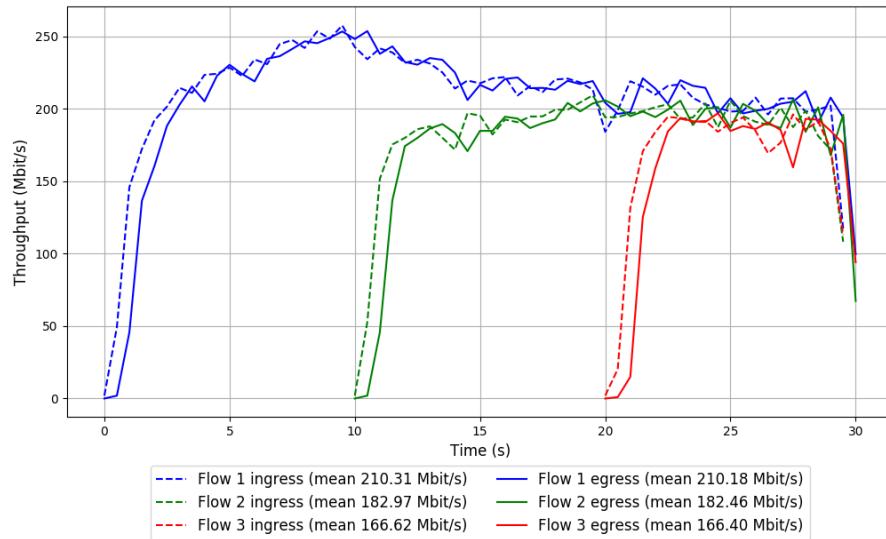


Run 2: Statistics of Indigo

```
Start at: 2019-07-13 02:51:12
End at: 2019-07-13 02:51:42
Local clock offset: -0.26 ms
Remote clock offset: -0.65 ms

# Below is generated by plot.py at 2019-07-13 06:38:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 384.93 Mbit/s
95th percentile per-packet one-way delay: 64.603 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 210.18 Mbit/s
95th percentile per-packet one-way delay: 65.406 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 182.46 Mbit/s
95th percentile per-packet one-way delay: 61.932 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 166.40 Mbit/s
95th percentile per-packet one-way delay: 64.765 ms
Loss rate: 1.38%
```

Run 2: Report of Indigo — Data Link

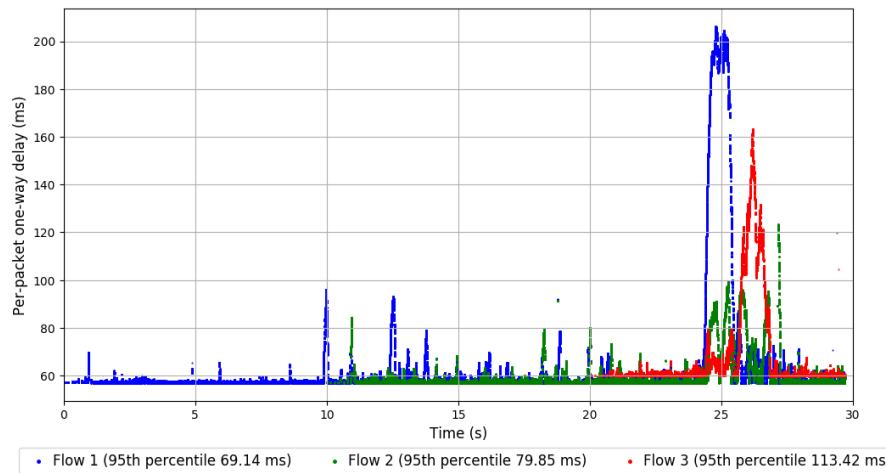
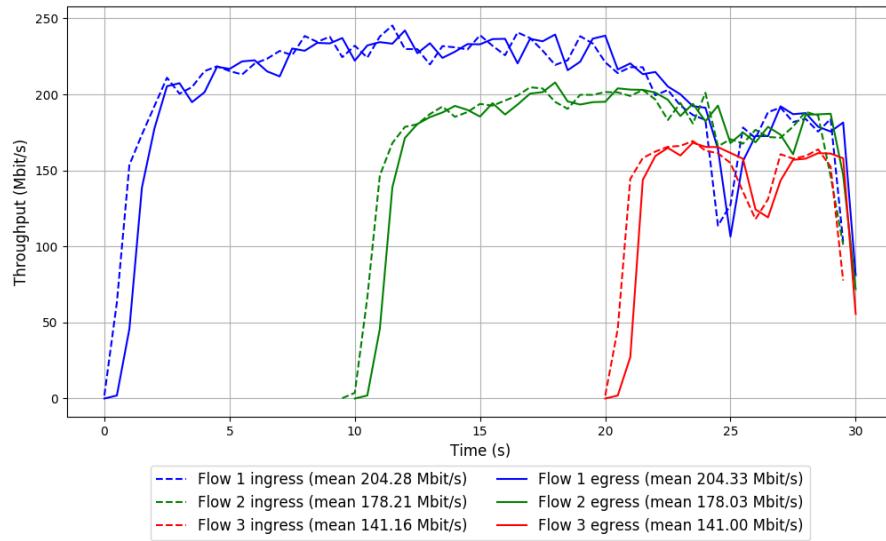


Run 3: Statistics of Indigo

```
Start at: 2019-07-13 03:32:00
End at: 2019-07-13 03:32:30
Local clock offset: -0.219 ms
Remote clock offset: -0.16 ms

# Below is generated by plot.py at 2019-07-13 06:38:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 368.28 Mbit/s
95th percentile per-packet one-way delay: 77.687 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 204.33 Mbit/s
95th percentile per-packet one-way delay: 69.137 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 178.03 Mbit/s
95th percentile per-packet one-way delay: 79.852 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 141.00 Mbit/s
95th percentile per-packet one-way delay: 113.423 ms
Loss rate: 1.34%
```

Run 3: Report of Indigo — Data Link

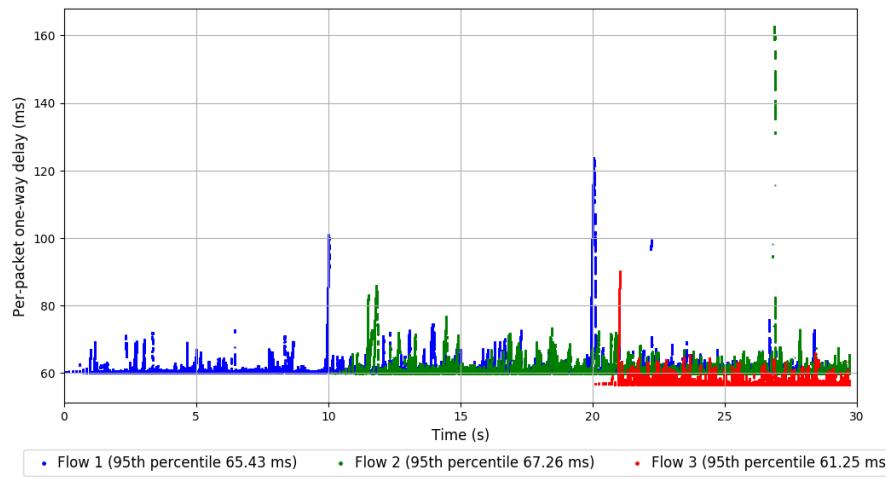
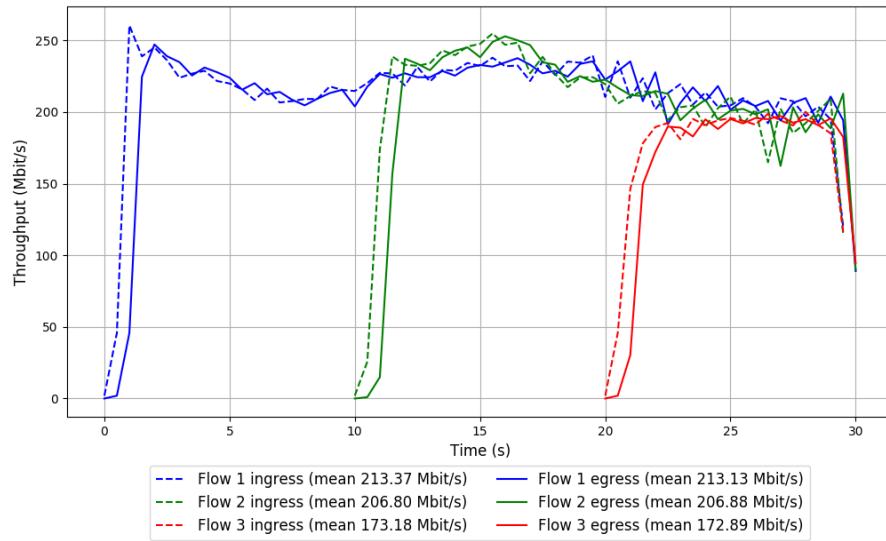


Run 4: Statistics of Indigo

```
Start at: 2019-07-13 04:13:04
End at: 2019-07-13 04:13:34
Local clock offset: -0.213 ms
Remote clock offset: -0.144 ms

# Below is generated by plot.py at 2019-07-13 06:39:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 405.75 Mbit/s
95th percentile per-packet one-way delay: 65.734 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 213.13 Mbit/s
95th percentile per-packet one-way delay: 65.433 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 206.88 Mbit/s
95th percentile per-packet one-way delay: 67.259 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 172.89 Mbit/s
95th percentile per-packet one-way delay: 61.253 ms
Loss rate: 1.42%
```

Run 4: Report of Indigo — Data Link

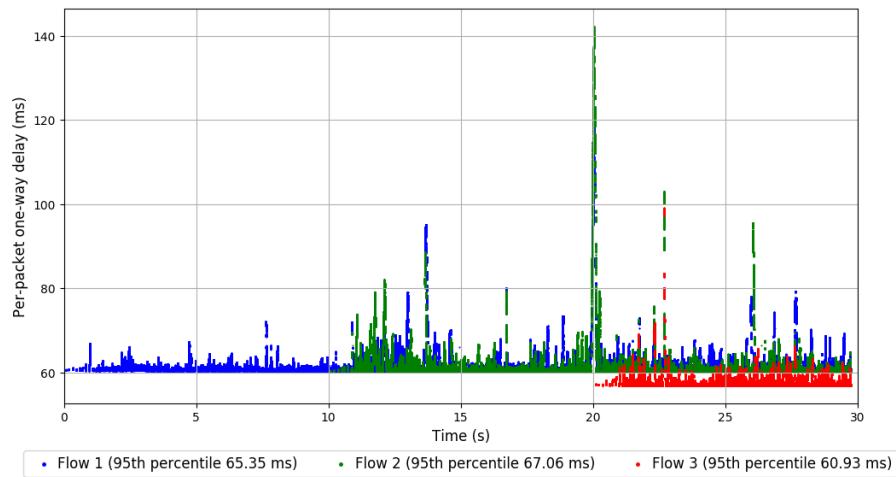
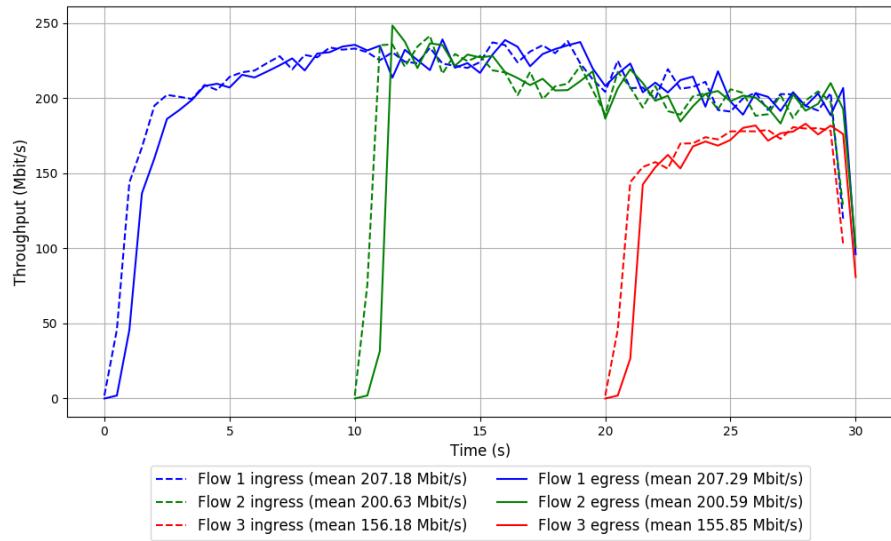


Run 5: Statistics of Indigo

```
Start at: 2019-07-13 04:54:19
End at: 2019-07-13 04:54:49
Local clock offset: 0.119 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2019-07-13 06:39:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 390.82 Mbit/s
95th percentile per-packet one-way delay: 65.527 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 207.29 Mbit/s
95th percentile per-packet one-way delay: 65.351 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 200.59 Mbit/s
95th percentile per-packet one-way delay: 67.059 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 155.85 Mbit/s
95th percentile per-packet one-way delay: 60.933 ms
Loss rate: 1.44%
```

Run 5: Report of Indigo — Data Link

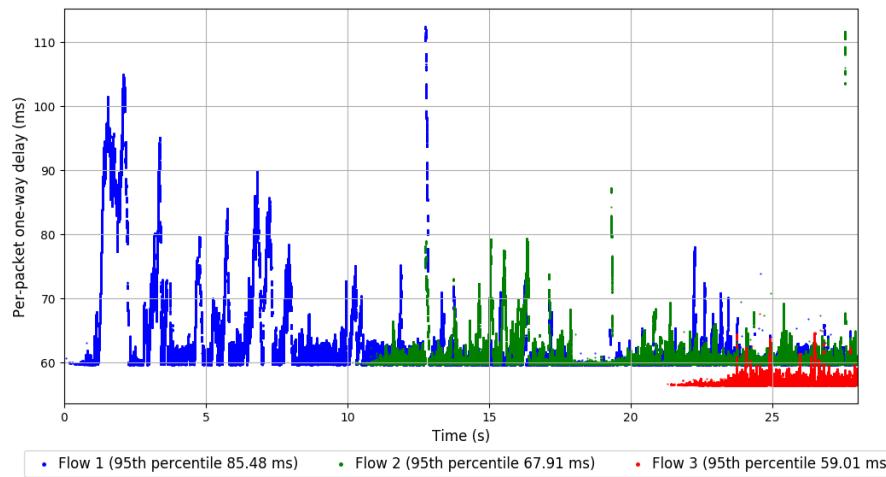
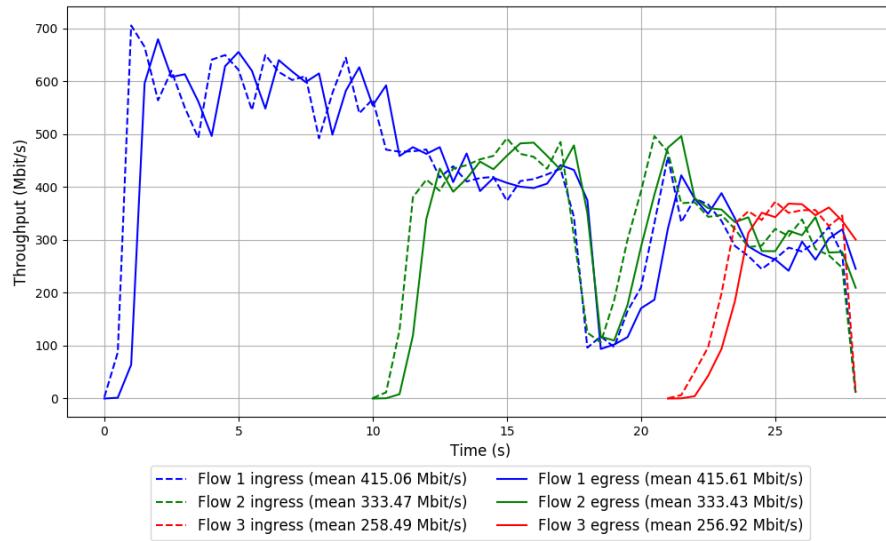


```
Run 1: Statistics of Indigo-MusesC3
```

```
Start at: 2019-07-13 01:59:27
End at: 2019-07-13 01:59:57
Local clock offset: -0.497 ms
Remote clock offset: -0.168 ms

# Below is generated by plot.py at 2019-07-13 06:39:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 689.28 Mbit/s
95th percentile per-packet one-way delay: 78.305 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 415.61 Mbit/s
95th percentile per-packet one-way delay: 85.480 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 333.43 Mbit/s
95th percentile per-packet one-way delay: 67.913 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 256.92 Mbit/s
95th percentile per-packet one-way delay: 59.009 ms
Loss rate: 2.37%
```

Run 1: Report of Indigo-MusesC3 — Data Link

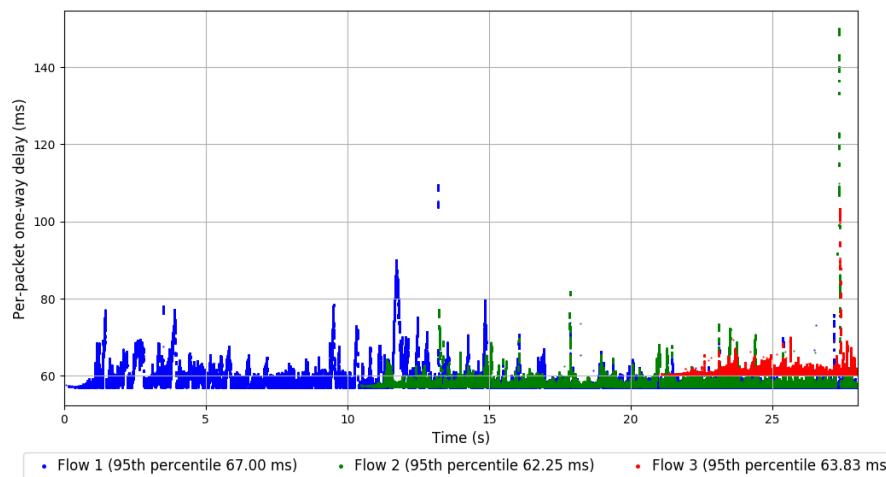
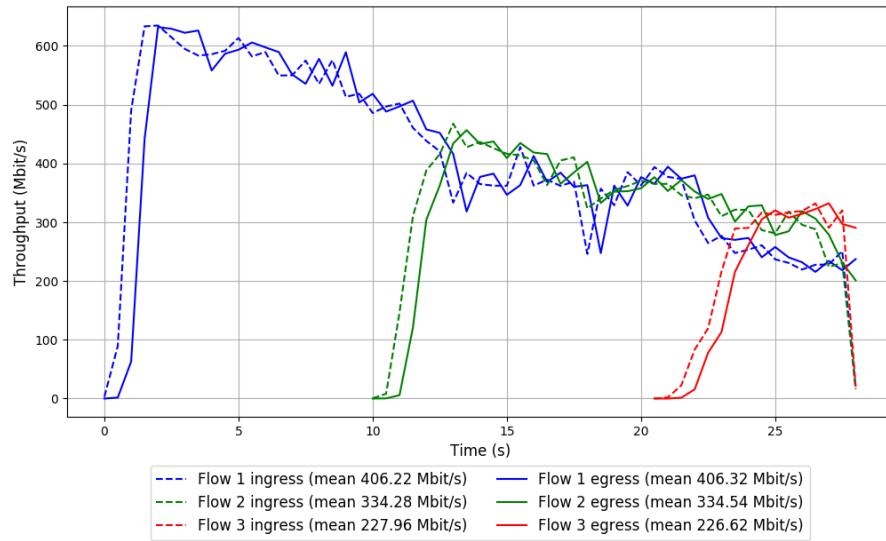


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-07-13 02:40:11
End at: 2019-07-13 02:40:41
Local clock offset: -0.055 ms
Remote clock offset: -0.147 ms

# Below is generated by plot.py at 2019-07-13 06:39:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 674.13 Mbit/s
95th percentile per-packet one-way delay: 65.760 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 406.32 Mbit/s
95th percentile per-packet one-way delay: 67.001 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 334.54 Mbit/s
95th percentile per-packet one-way delay: 62.250 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 226.62 Mbit/s
95th percentile per-packet one-way delay: 63.833 ms
Loss rate: 2.36%
```

Run 2: Report of Indigo-MusesC3 — Data Link

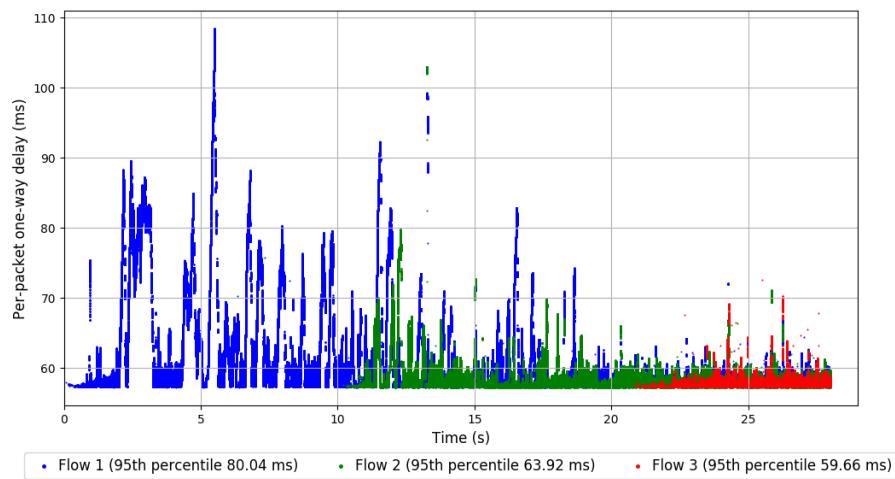
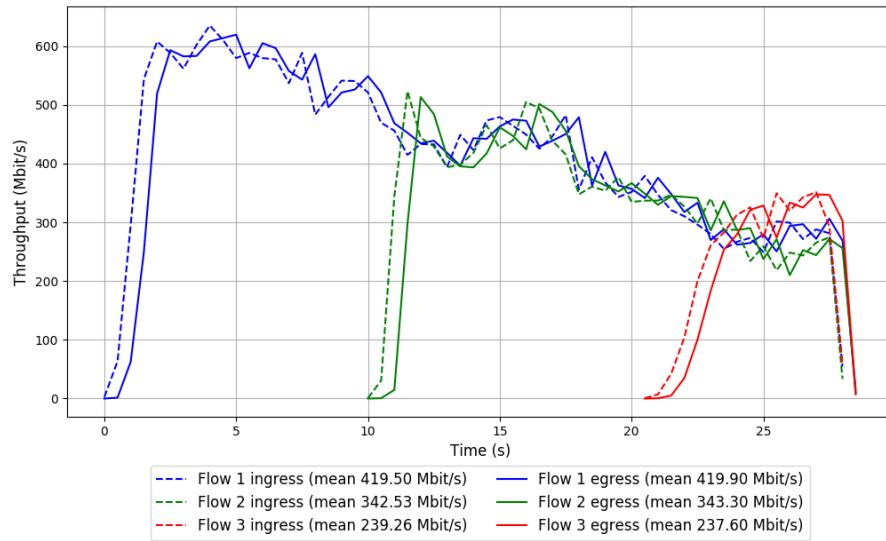


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-07-13 03:20:56
End at: 2019-07-13 03:21:26
Local clock offset: 0.101 ms
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2019-07-13 06:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 699.98 Mbit/s
95th percentile per-packet one-way delay: 75.856 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 419.90 Mbit/s
95th percentile per-packet one-way delay: 80.042 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 343.30 Mbit/s
95th percentile per-packet one-way delay: 63.920 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 237.60 Mbit/s
95th percentile per-packet one-way delay: 59.655 ms
Loss rate: 2.23%
```

Run 3: Report of Indigo-MusesC3 — Data Link

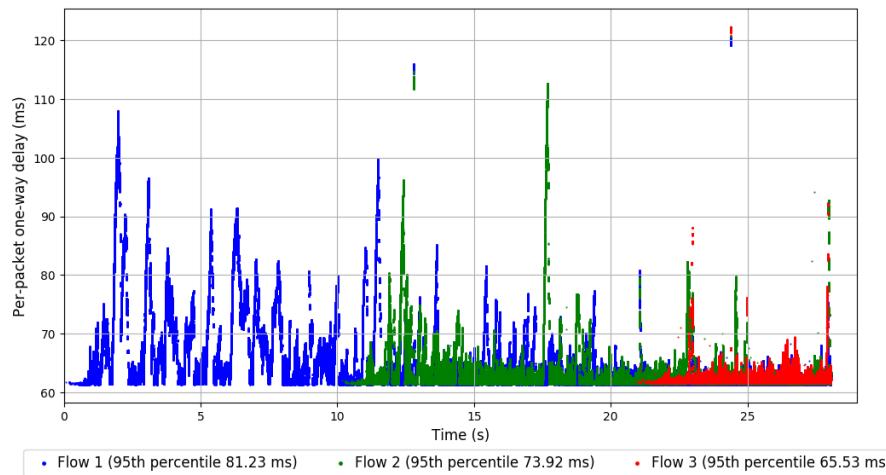
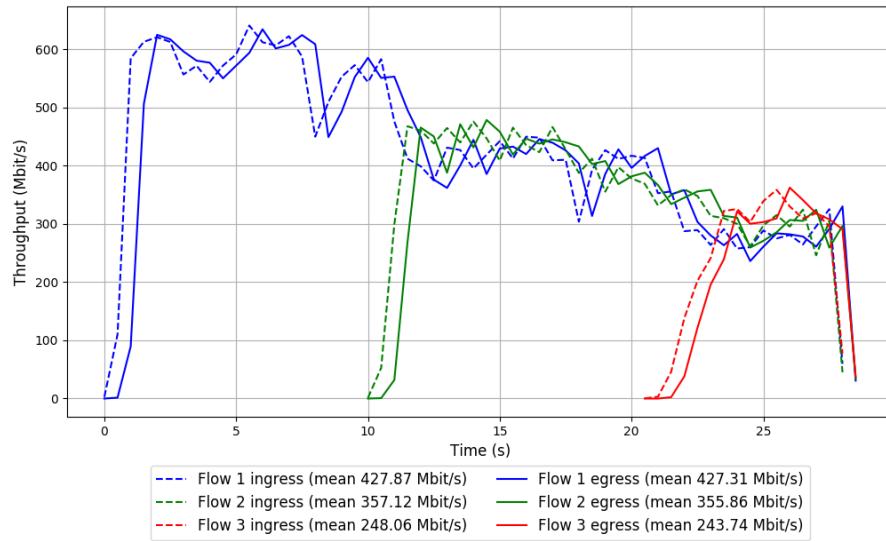


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-07-13 04:01:42
End at: 2019-07-13 04:02:12
Local clock offset: 0.275 ms
Remote clock offset: -0.986 ms

# Below is generated by plot.py at 2019-07-13 06:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 717.01 Mbit/s
95th percentile per-packet one-way delay: 78.763 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 427.31 Mbit/s
95th percentile per-packet one-way delay: 81.228 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 355.86 Mbit/s
95th percentile per-packet one-way delay: 73.915 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 243.74 Mbit/s
95th percentile per-packet one-way delay: 65.526 ms
Loss rate: 3.39%
```

Run 4: Report of Indigo-MusesC3 — Data Link

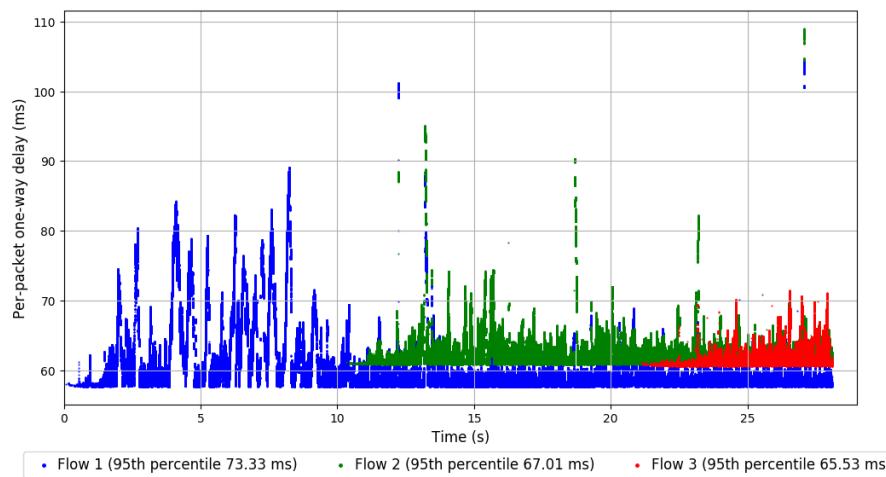
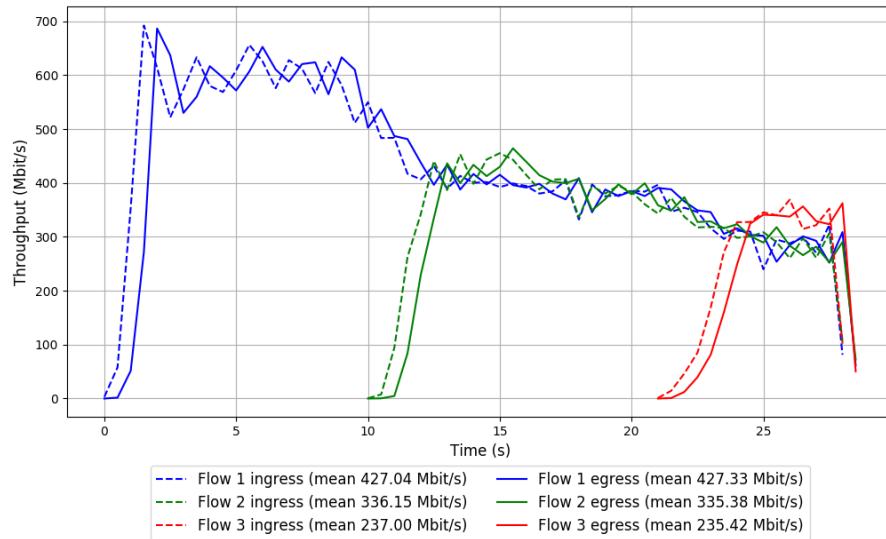


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-07-13 04:42:58
End at: 2019-07-13 04:43:28
Local clock offset: 0.349 ms
Remote clock offset: -0.232 ms

# Below is generated by plot.py at 2019-07-13 06:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 698.92 Mbit/s
95th percentile per-packet one-way delay: 70.876 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 427.33 Mbit/s
95th percentile per-packet one-way delay: 73.326 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 335.38 Mbit/s
95th percentile per-packet one-way delay: 67.008 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 235.42 Mbit/s
95th percentile per-packet one-way delay: 65.532 ms
Loss rate: 2.34%
```

Run 5: Report of Indigo-MusesC3 — Data Link

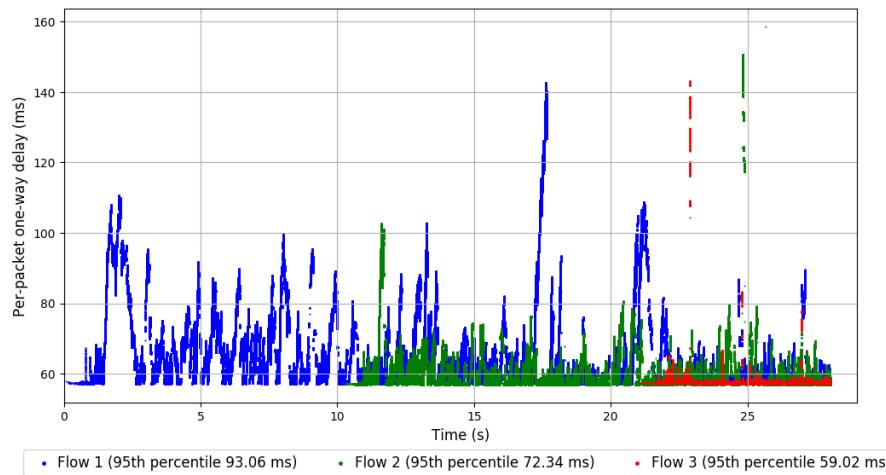
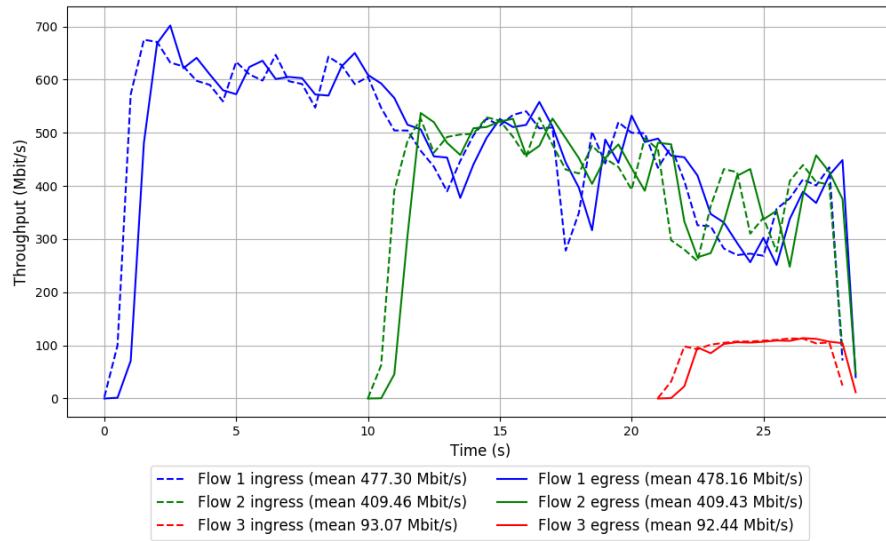


```
Run 1: Statistics of Indigo-MusesC5
```

```
Start at: 2019-07-13 02:22:32
End at: 2019-07-13 02:23:02
Local clock offset: 0.089 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2019-07-13 06:52:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 762.22 Mbit/s
95th percentile per-packet one-way delay: 89.384 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 478.16 Mbit/s
95th percentile per-packet one-way delay: 93.057 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 409.43 Mbit/s
95th percentile per-packet one-way delay: 72.338 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 59.019 ms
Loss rate: 2.33%
```

Run 1: Report of Indigo-MusesC5 — Data Link

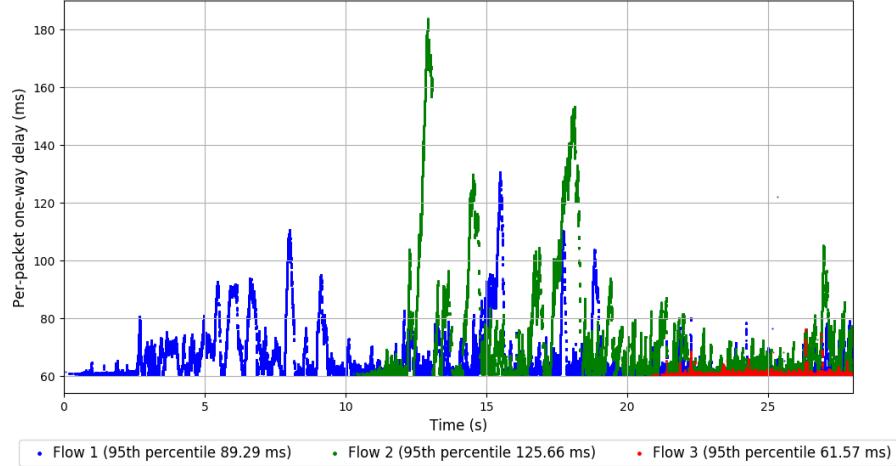
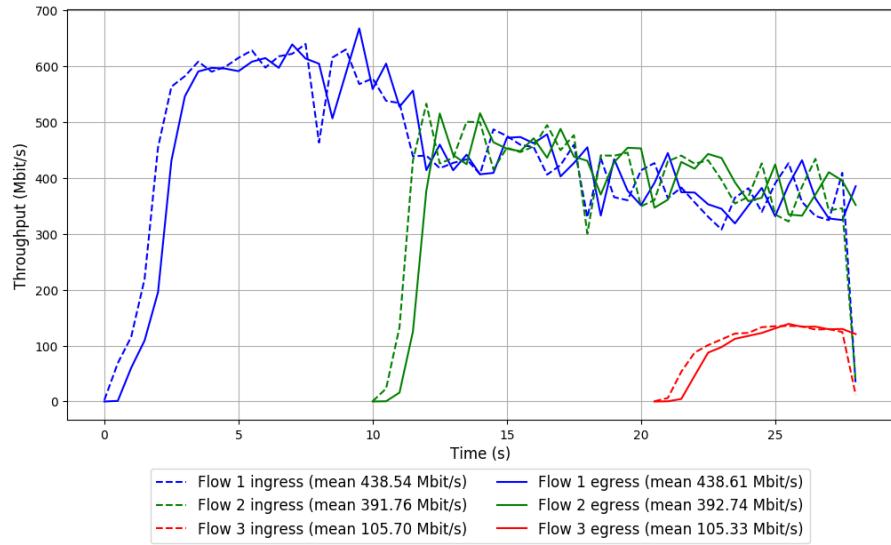


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-07-13 03:03:08
End at: 2019-07-13 03:03:38
Local clock offset: 0.303 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2019-07-13 06:52:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 714.69 Mbit/s
95th percentile per-packet one-way delay: 99.339 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 438.61 Mbit/s
95th percentile per-packet one-way delay: 89.289 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 392.74 Mbit/s
95th percentile per-packet one-way delay: 125.661 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 105.33 Mbit/s
95th percentile per-packet one-way delay: 61.574 ms
Loss rate: 2.00%
```

Run 2: Report of Indigo-MusesC5 — Data Link

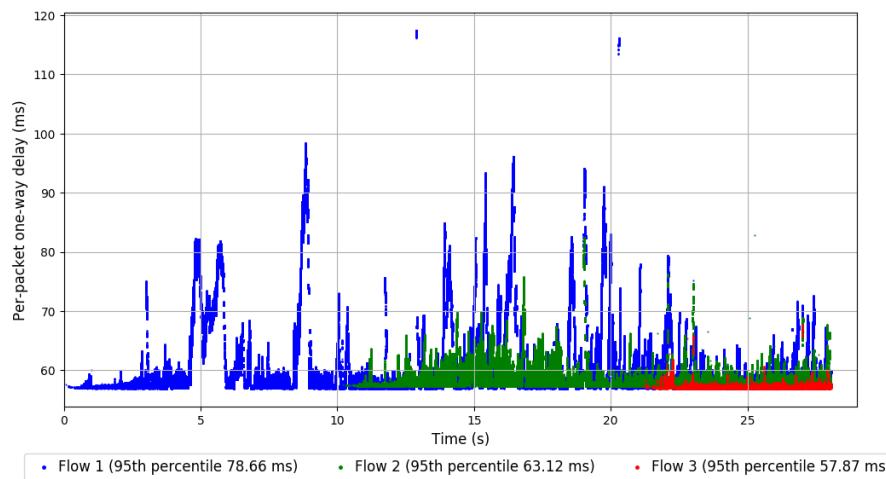
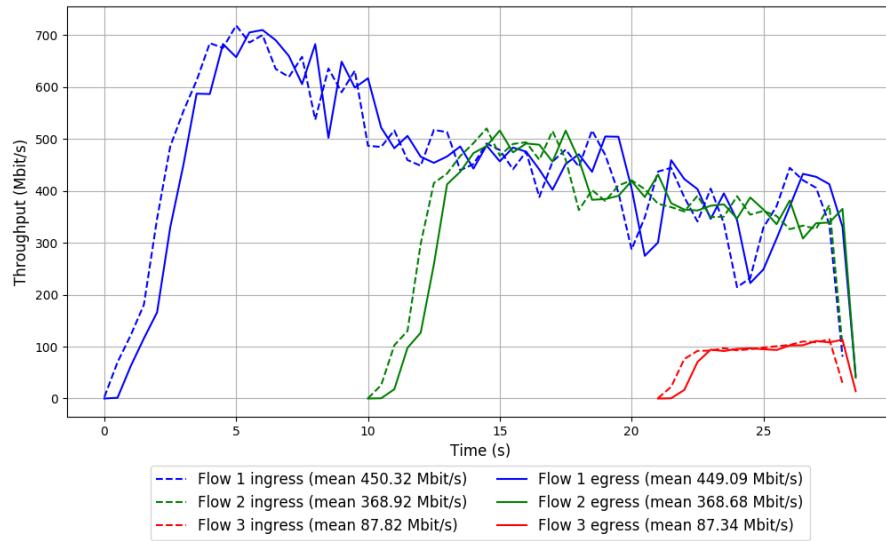


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-07-13 03:43:42
End at: 2019-07-13 03:44:12
Local clock offset: 0.09 ms
Remote clock offset: -0.174 ms

# Below is generated by plot.py at 2019-07-13 06:52:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 705.57 Mbit/s
95th percentile per-packet one-way delay: 74.646 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 449.09 Mbit/s
95th percentile per-packet one-way delay: 78.661 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 368.68 Mbit/s
95th percentile per-packet one-way delay: 63.118 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 57.869 ms
Loss rate: 2.25%
```

Run 3: Report of Indigo-MusesC5 — Data Link

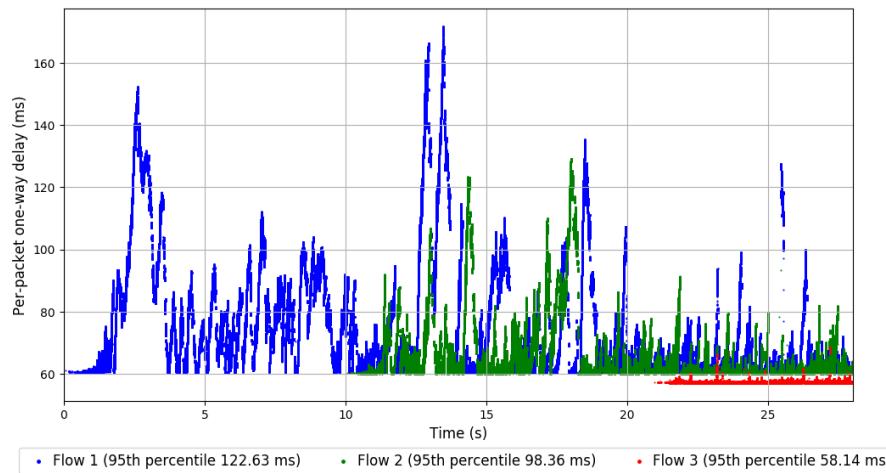
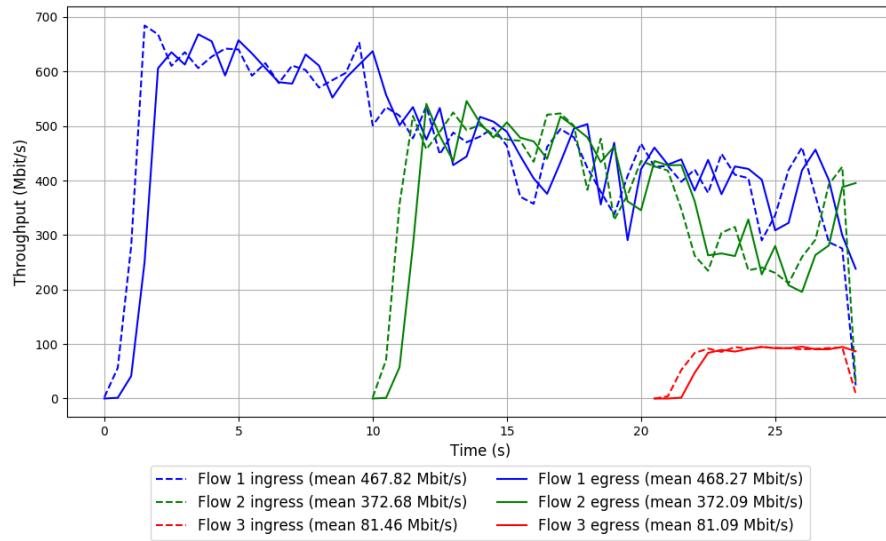


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-07-13 04:25:03
End at: 2019-07-13 04:25:33
Local clock offset: -0.098 ms
Remote clock offset: -0.227 ms

# Below is generated by plot.py at 2019-07-13 06:53:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 727.40 Mbit/s
95th percentile per-packet one-way delay: 114.659 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 468.27 Mbit/s
95th percentile per-packet one-way delay: 122.631 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 372.09 Mbit/s
95th percentile per-packet one-way delay: 98.361 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 81.09 Mbit/s
95th percentile per-packet one-way delay: 58.143 ms
Loss rate: 2.09%
```

Run 4: Report of Indigo-MusesC5 — Data Link

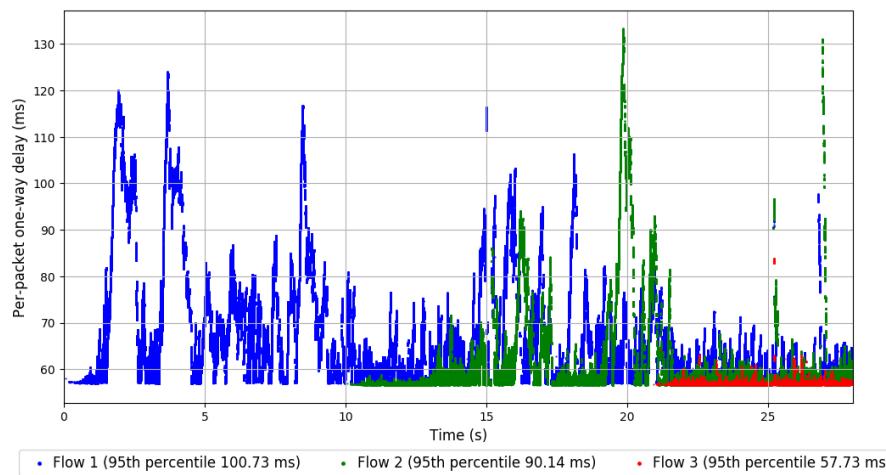
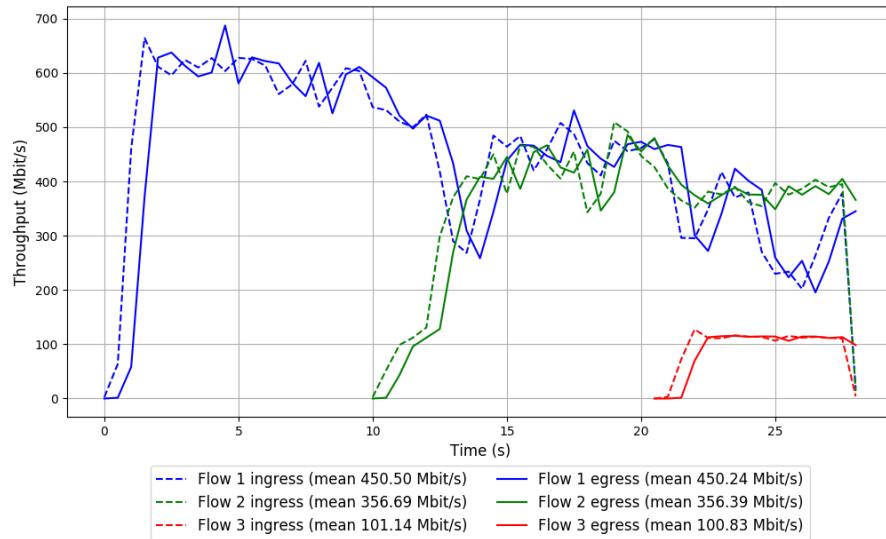


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-07-13 05:06:09
End at: 2019-07-13 05:06:39
Local clock offset: -0.362 ms
Remote clock offset: -0.235 ms

# Below is generated by plot.py at 2019-07-13 06:53:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 704.17 Mbit/s
95th percentile per-packet one-way delay: 99.325 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 450.24 Mbit/s
95th percentile per-packet one-way delay: 100.732 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 356.39 Mbit/s
95th percentile per-packet one-way delay: 90.142 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 100.83 Mbit/s
95th percentile per-packet one-way delay: 57.726 ms
Loss rate: 1.99%
```

Run 5: Report of Indigo-MusesC5 — Data Link

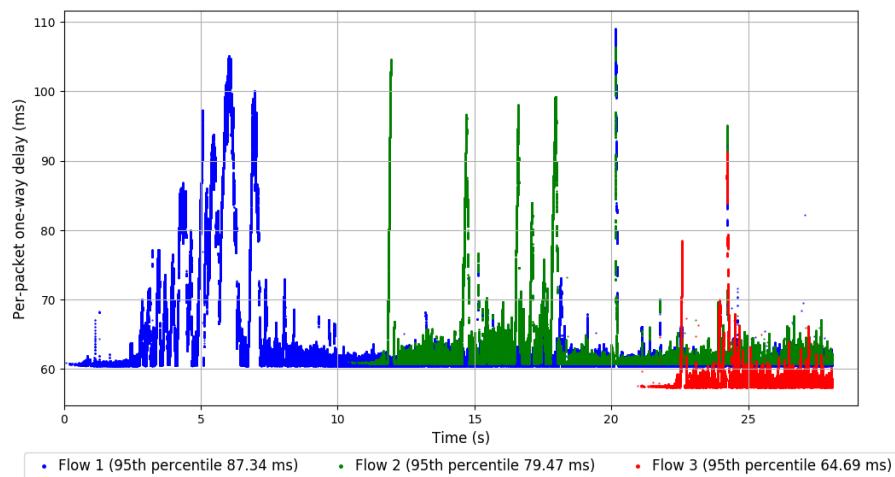
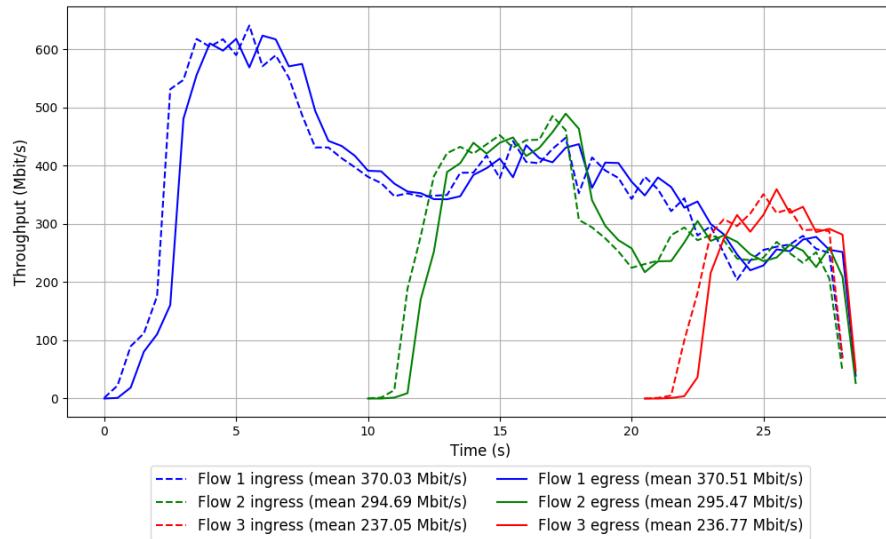


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-07-13 02:17:50
End at: 2019-07-13 02:18:20
Local clock offset: 0.195 ms
Remote clock offset: -0.178 ms

# Below is generated by plot.py at 2019-07-13 07:01:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 617.14 Mbit/s
95th percentile per-packet one-way delay: 83.722 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 370.51 Mbit/s
95th percentile per-packet one-way delay: 87.339 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 295.47 Mbit/s
95th percentile per-packet one-way delay: 79.469 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 236.77 Mbit/s
95th percentile per-packet one-way delay: 64.694 ms
Loss rate: 1.75%
```

Run 1: Report of Indigo-MusesD — Data Link

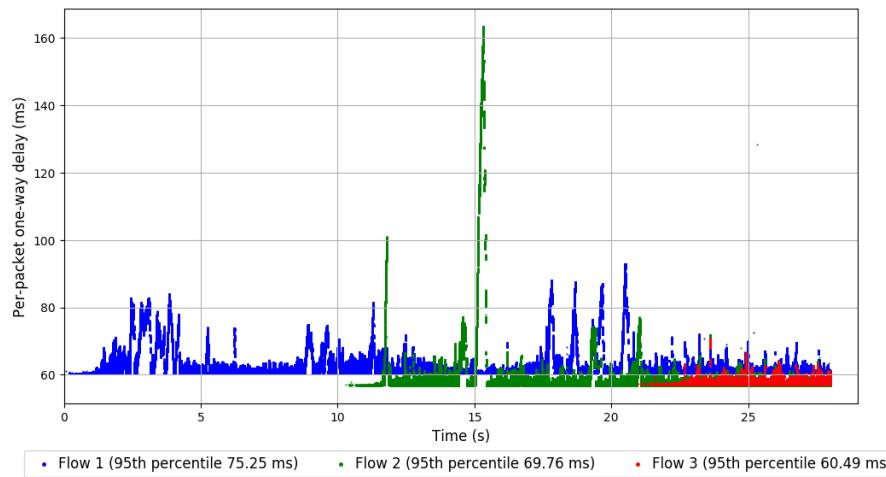
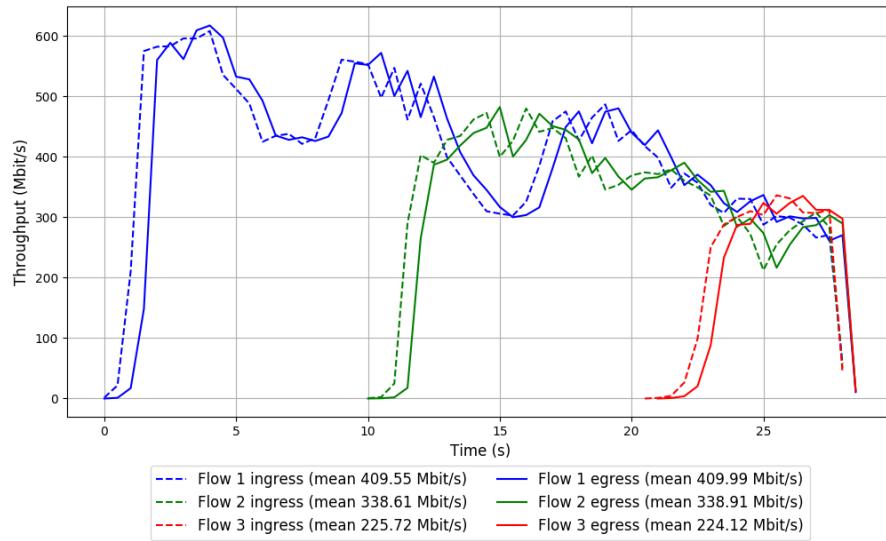


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-07-13 02:58:21
End at: 2019-07-13 02:58:51
Local clock offset: -0.233 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2019-07-13 07:03:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 681.11 Mbit/s
95th percentile per-packet one-way delay: 73.410 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 409.99 Mbit/s
95th percentile per-packet one-way delay: 75.251 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 338.91 Mbit/s
95th percentile per-packet one-way delay: 69.763 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 224.12 Mbit/s
95th percentile per-packet one-way delay: 60.489 ms
Loss rate: 2.36%
```

Run 2: Report of Indigo-MusesD — Data Link

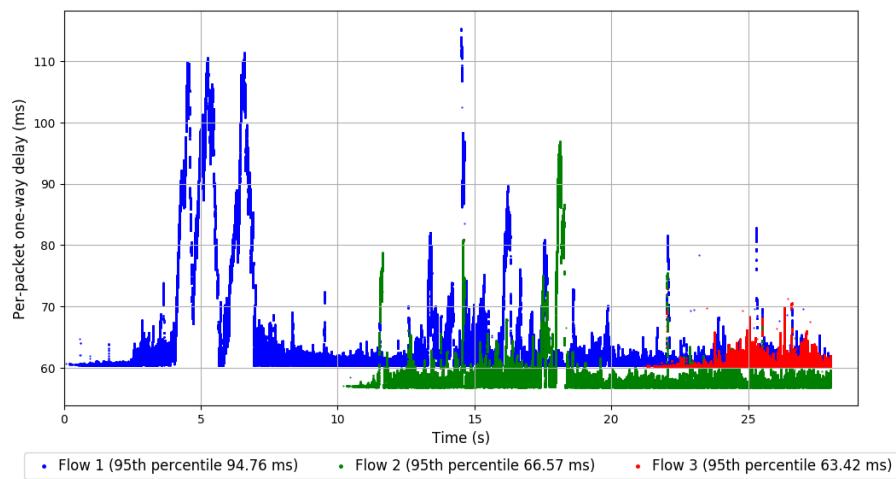
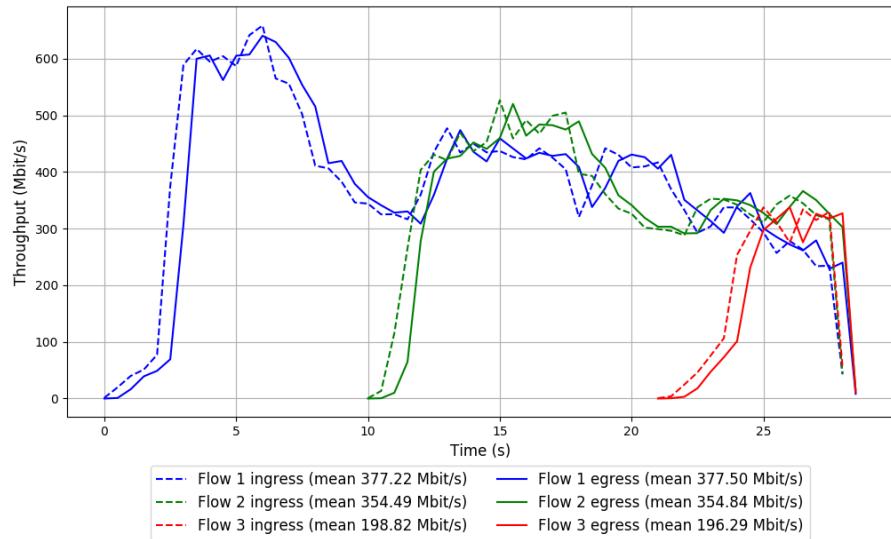


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-07-13 03:38:55
End at: 2019-07-13 03:39:25
Local clock offset: -0.104 ms
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2019-07-13 07:03:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 651.41 Mbit/s
95th percentile per-packet one-way delay: 87.157 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 377.50 Mbit/s
95th percentile per-packet one-way delay: 94.760 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 354.84 Mbit/s
95th percentile per-packet one-way delay: 66.568 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 196.29 Mbit/s
95th percentile per-packet one-way delay: 63.424 ms
Loss rate: 2.96%
```

Run 3: Report of Indigo-MusesD — Data Link

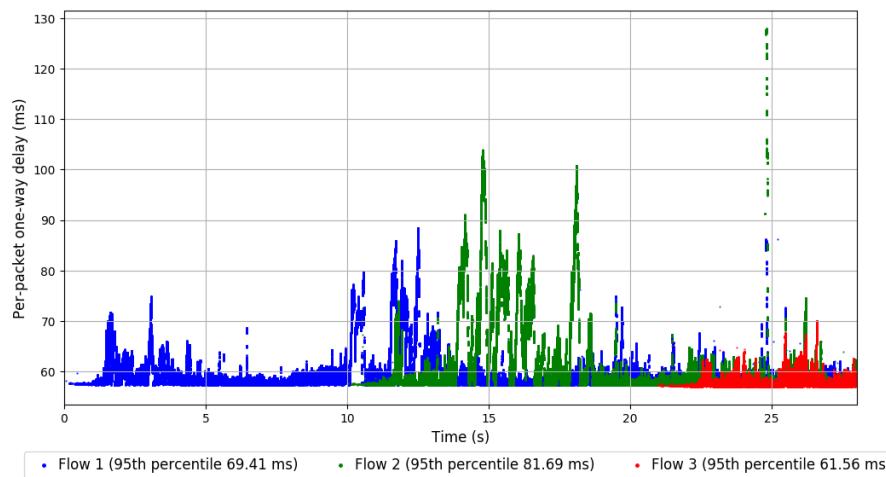
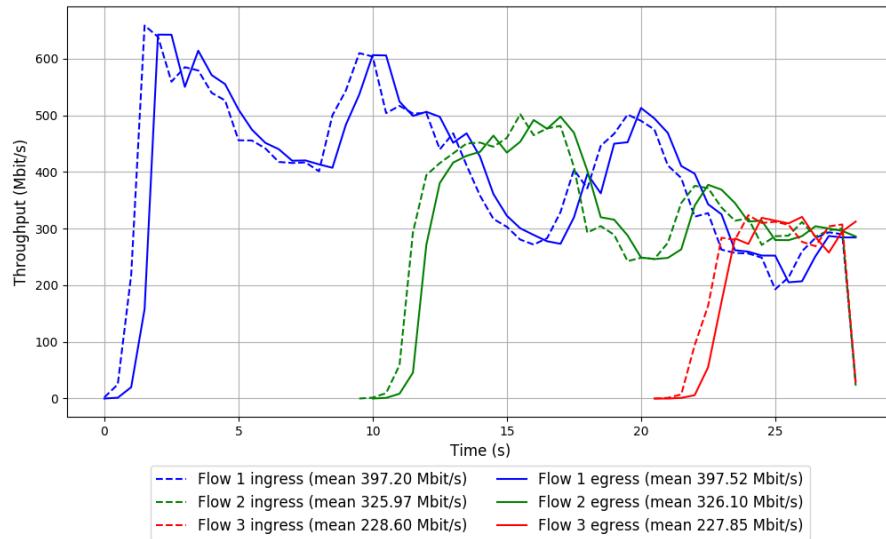


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-07-13 04:20:15
End at: 2019-07-13 04:20:45
Local clock offset: 0.349 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2019-07-13 07:03:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 664.32 Mbit/s
95th percentile per-packet one-way delay: 73.839 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 397.52 Mbit/s
95th percentile per-packet one-way delay: 69.414 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 326.10 Mbit/s
95th percentile per-packet one-way delay: 81.692 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 227.85 Mbit/s
95th percentile per-packet one-way delay: 61.558 ms
Loss rate: 1.98%
```

Run 4: Report of Indigo-MusesD — Data Link

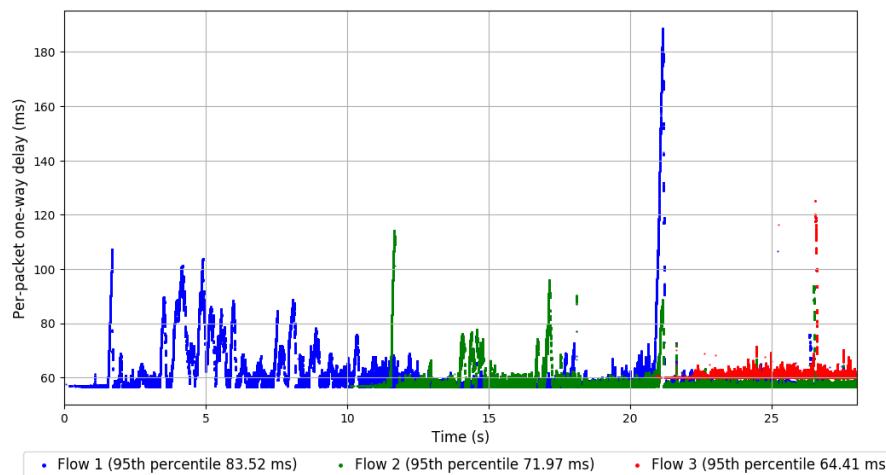
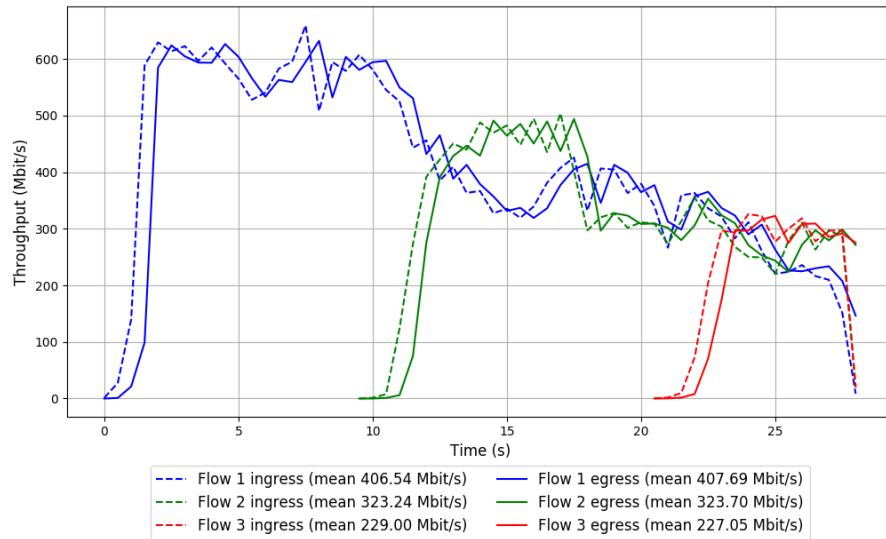


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-07-13 05:01:26
End at: 2019-07-13 05:01:56
Local clock offset: -0.084 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2019-07-13 07:04:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 674.07 Mbit/s
95th percentile per-packet one-way delay: 80.029 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 407.69 Mbit/s
95th percentile per-packet one-way delay: 83.523 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 323.70 Mbit/s
95th percentile per-packet one-way delay: 71.967 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 227.05 Mbit/s
95th percentile per-packet one-way delay: 64.412 ms
Loss rate: 2.49%
```

Run 5: Report of Indigo-MusesD — Data Link

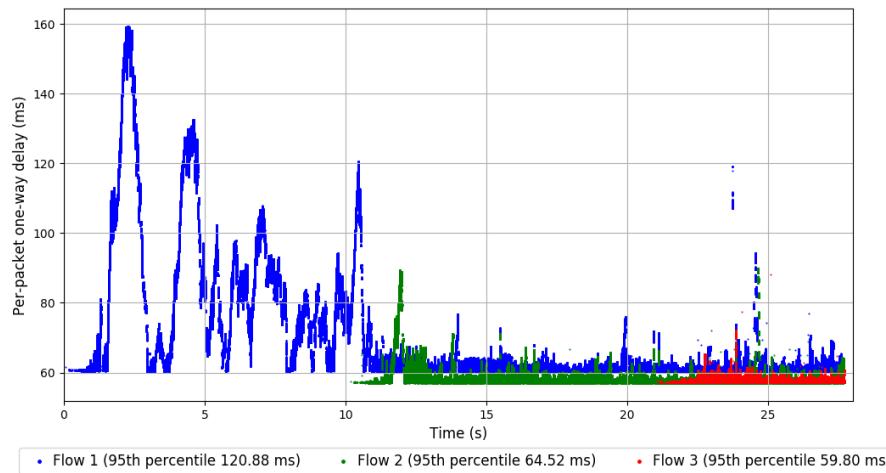
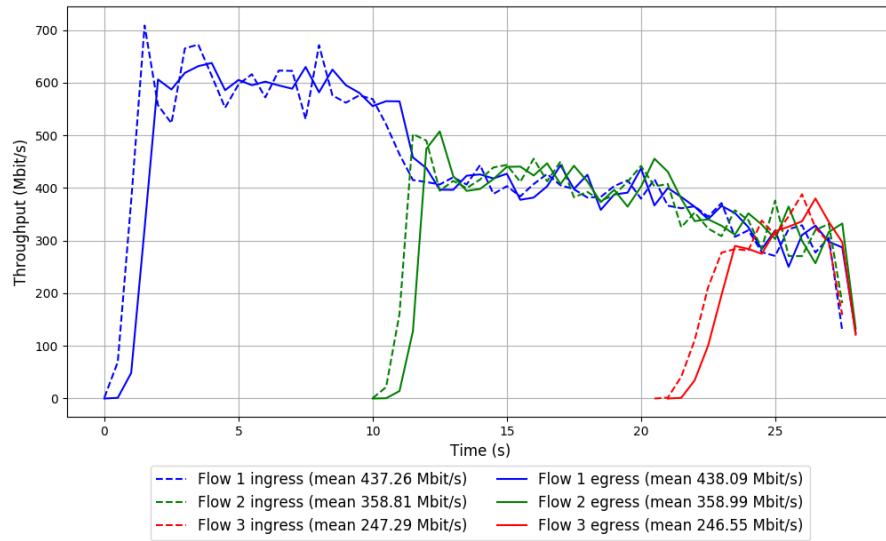


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-07-13 01:50:00
End at: 2019-07-13 01:50:30
Local clock offset: -0.086 ms
Remote clock offset: -0.228 ms

# Below is generated by plot.py at 2019-07-13 07:05:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 725.02 Mbit/s
95th percentile per-packet one-way delay: 106.268 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 438.09 Mbit/s
95th percentile per-packet one-way delay: 120.882 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 358.99 Mbit/s
95th percentile per-packet one-way delay: 64.522 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 246.55 Mbit/s
95th percentile per-packet one-way delay: 59.803 ms
Loss rate: 2.15%
```

Run 1: Report of Indigo-MusesT — Data Link

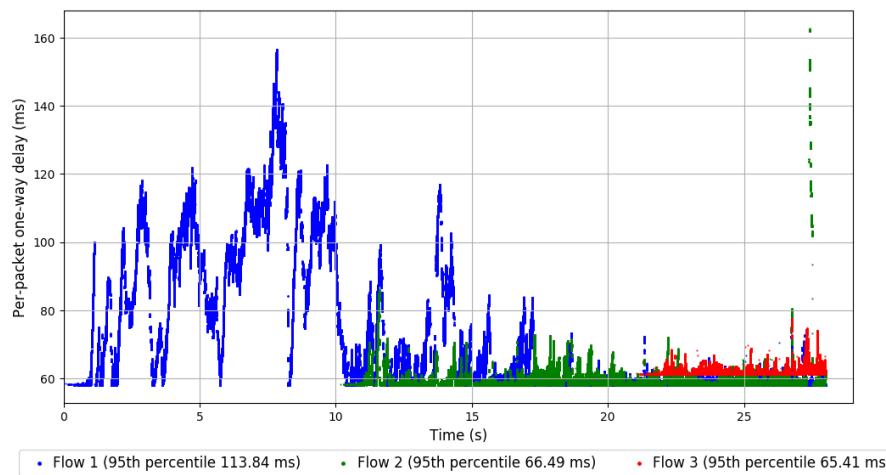
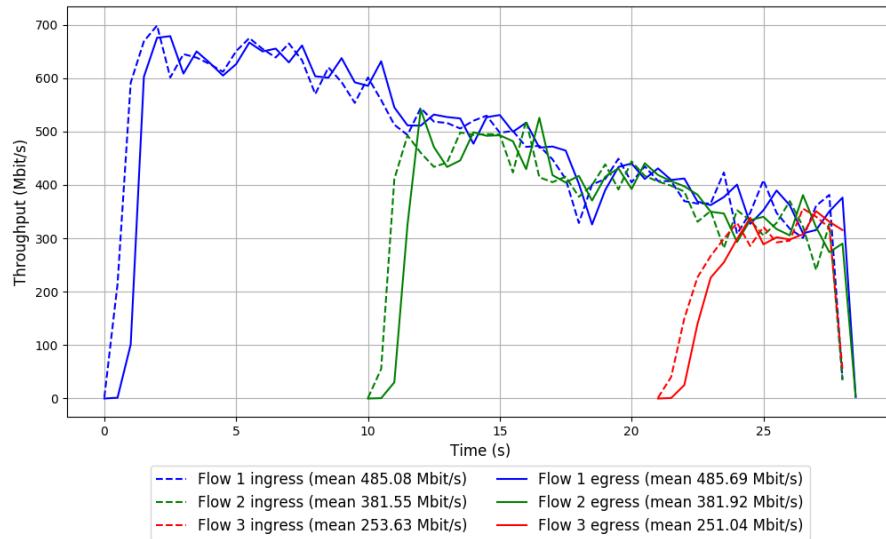


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-07-13 02:30:56
End at: 2019-07-13 02:31:26
Local clock offset: -0.009 ms
Remote clock offset: -0.964 ms

# Below is generated by plot.py at 2019-07-13 07:07:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 791.57 Mbit/s
95th percentile per-packet one-way delay: 110.500 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 485.69 Mbit/s
95th percentile per-packet one-way delay: 113.842 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 381.92 Mbit/s
95th percentile per-packet one-way delay: 66.493 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 251.04 Mbit/s
95th percentile per-packet one-way delay: 65.413 ms
Loss rate: 2.82%
```

Run 2: Report of Indigo-MusesT — Data Link

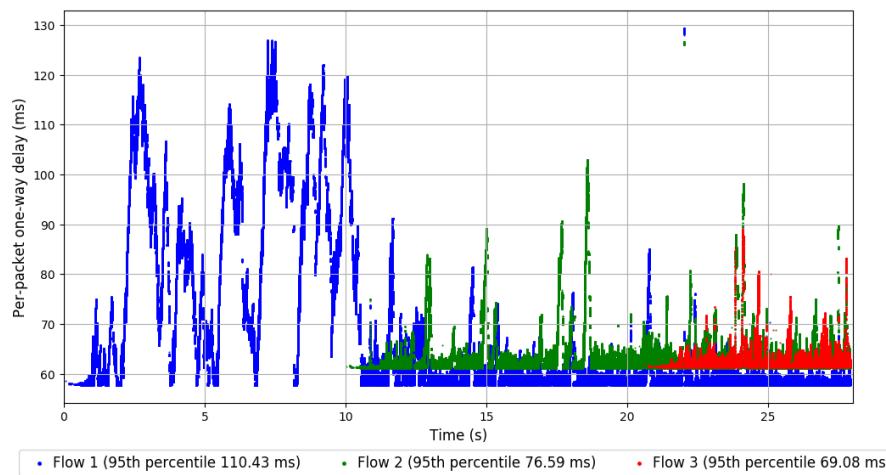
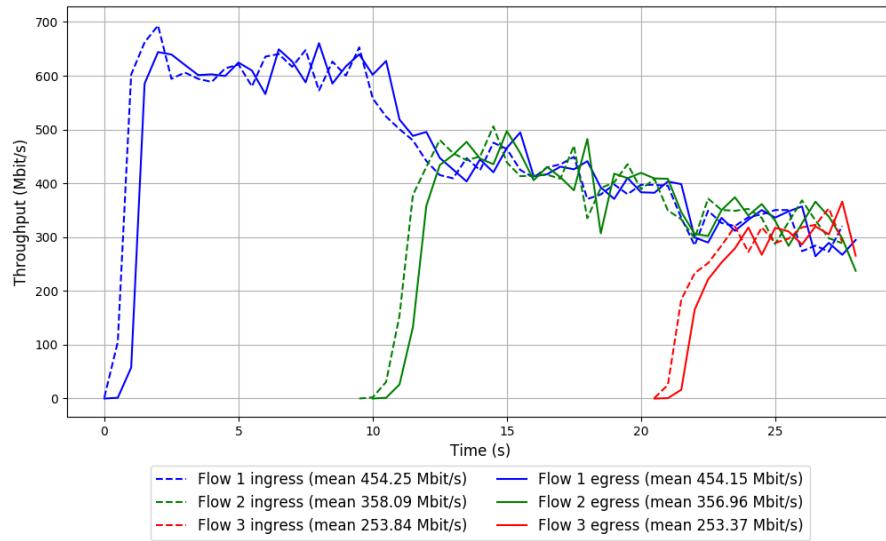


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-07-13 03:11:32
End at: 2019-07-13 03:12:02
Local clock offset: 0.247 ms
Remote clock offset: -0.71 ms

# Below is generated by plot.py at 2019-07-13 07:07:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 749.61 Mbit/s
95th percentile per-packet one-way delay: 105.221 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 454.15 Mbit/s
95th percentile per-packet one-way delay: 110.434 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 356.96 Mbit/s
95th percentile per-packet one-way delay: 76.591 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 253.37 Mbit/s
95th percentile per-packet one-way delay: 69.078 ms
Loss rate: 1.86%
```

Run 3: Report of Indigo-MusesT — Data Link

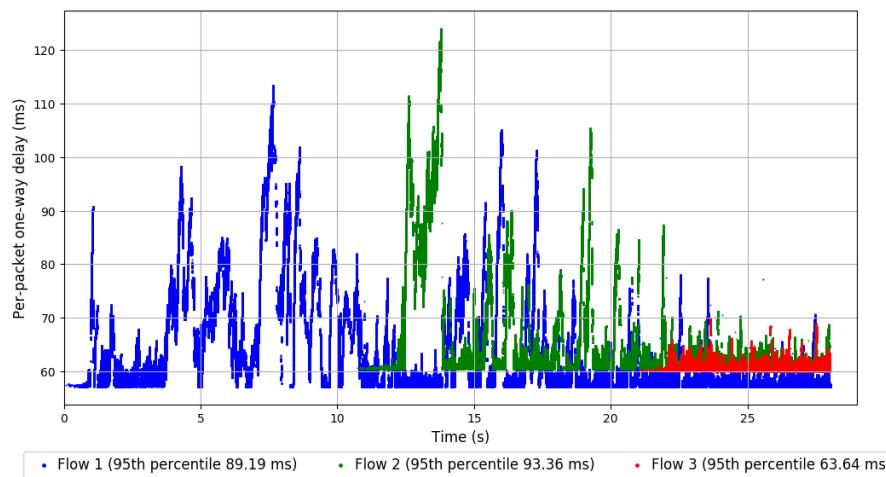
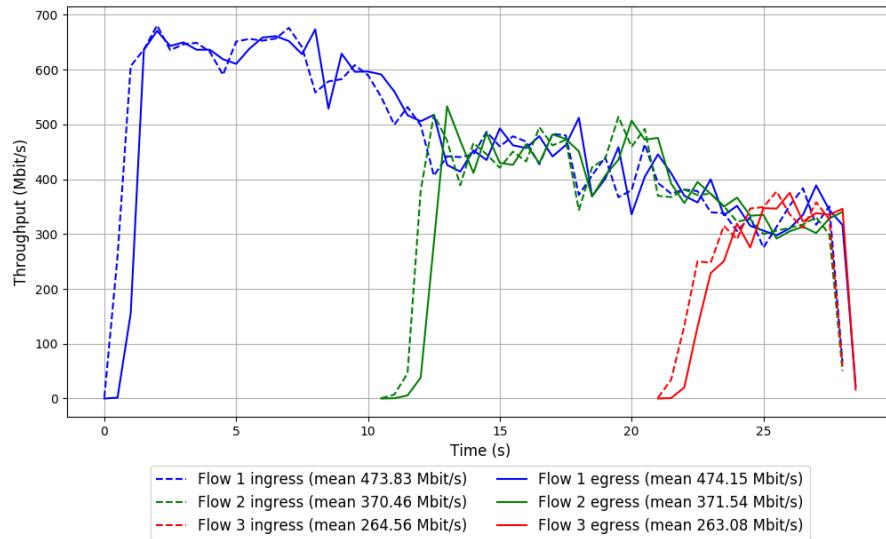


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-07-13 03:52:04
End at: 2019-07-13 03:52:34
Local clock offset: -0.157 ms
Remote clock offset: -0.183 ms

# Below is generated by plot.py at 2019-07-13 07:15:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 768.81 Mbit/s
95th percentile per-packet one-way delay: 89.689 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 474.15 Mbit/s
95th percentile per-packet one-way delay: 89.193 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 371.54 Mbit/s
95th percentile per-packet one-way delay: 93.360 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 263.08 Mbit/s
95th percentile per-packet one-way delay: 63.638 ms
Loss rate: 2.24%
```

Run 4: Report of Indigo-MusesT — Data Link

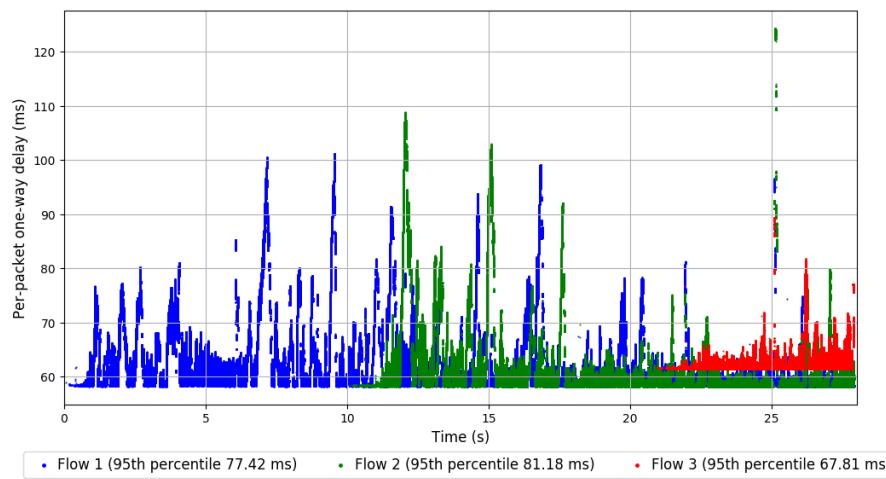
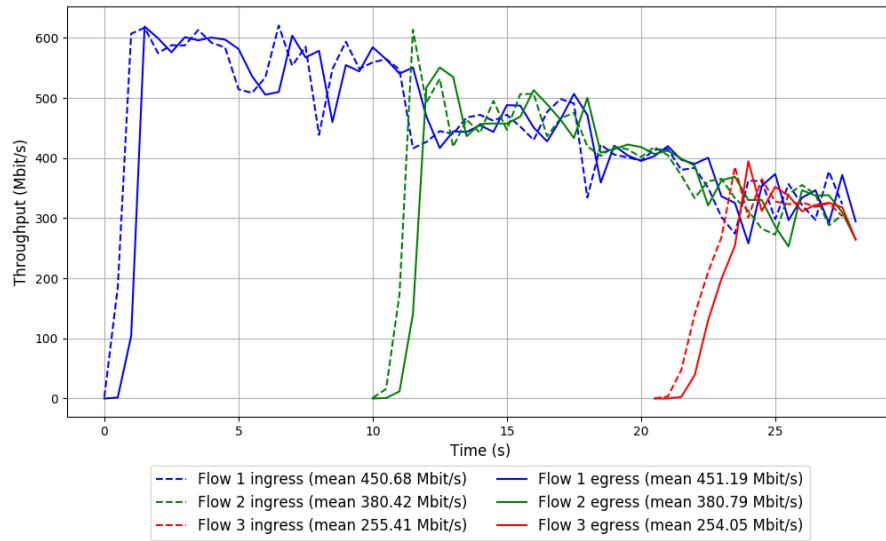


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-07-13 04:33:27
End at: 2019-07-13 04:33:57
Local clock offset: 0.339 ms
Remote clock offset: -0.828 ms

# Below is generated by plot.py at 2019-07-13 07:17:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 758.59 Mbit/s
95th percentile per-packet one-way delay: 77.462 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 451.19 Mbit/s
95th percentile per-packet one-way delay: 77.423 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 380.79 Mbit/s
95th percentile per-packet one-way delay: 81.180 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 254.05 Mbit/s
95th percentile per-packet one-way delay: 67.815 ms
Loss rate: 2.25%
```

Run 5: Report of Indigo-MusesT — Data Link

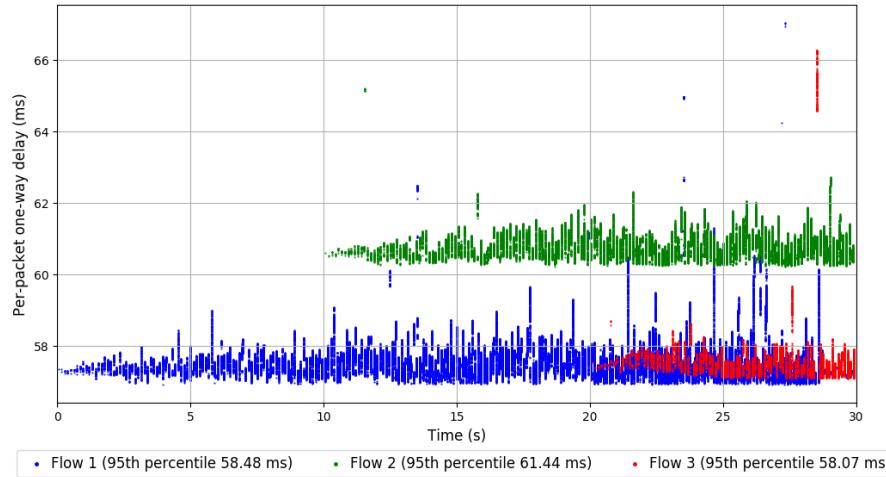
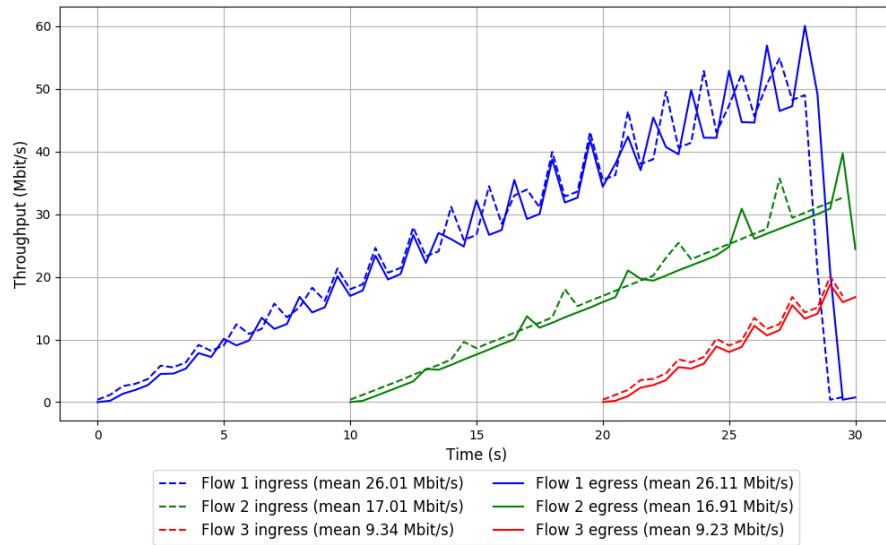


Run 1: Statistics of LEDBAT

```
Start at: 2019-07-13 01:48:43
End at: 2019-07-13 01:49:13
Local clock offset: -0.042 ms
Remote clock offset: -0.269 ms

# Below is generated by plot.py at 2019-07-13 07:17:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.31 Mbit/s
95th percentile per-packet one-way delay: 61.105 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 26.11 Mbit/s
95th percentile per-packet one-way delay: 58.485 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 16.91 Mbit/s
95th percentile per-packet one-way delay: 61.440 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 9.23 Mbit/s
95th percentile per-packet one-way delay: 58.066 ms
Loss rate: 2.32%
```

Run 1: Report of LEDBAT — Data Link

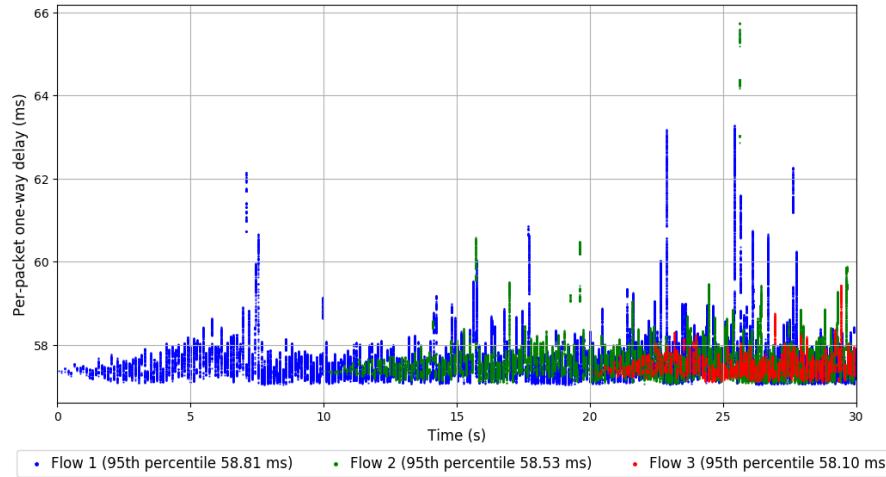
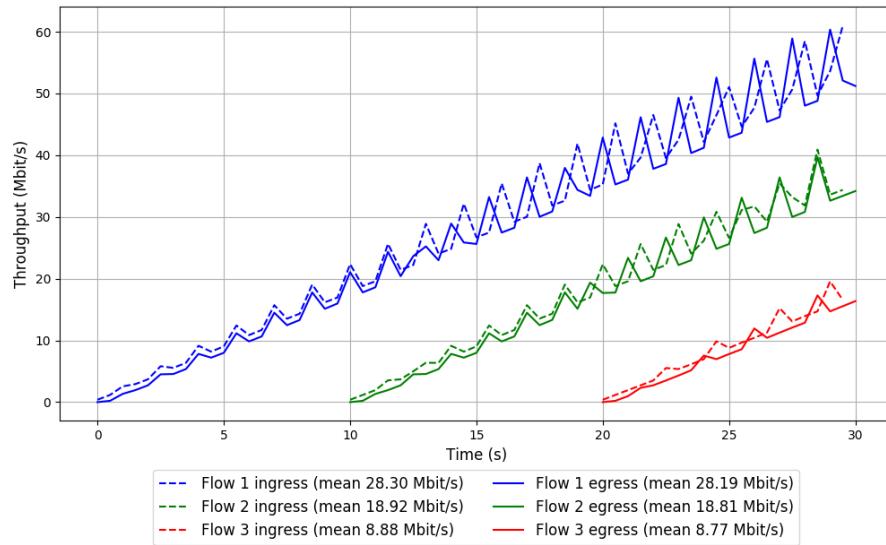


Run 2: Statistics of LEDBAT

```
Start at: 2019-07-13 02:29:39
End at: 2019-07-13 02:30:09
Local clock offset: -0.09 ms
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2019-07-13 07:17:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.55 Mbit/s
95th percentile per-packet one-way delay: 58.668 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 28.19 Mbit/s
95th percentile per-packet one-way delay: 58.806 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 18.81 Mbit/s
95th percentile per-packet one-way delay: 58.526 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 8.77 Mbit/s
95th percentile per-packet one-way delay: 58.096 ms
Loss rate: 2.38%
```

Run 2: Report of LEDBAT — Data Link

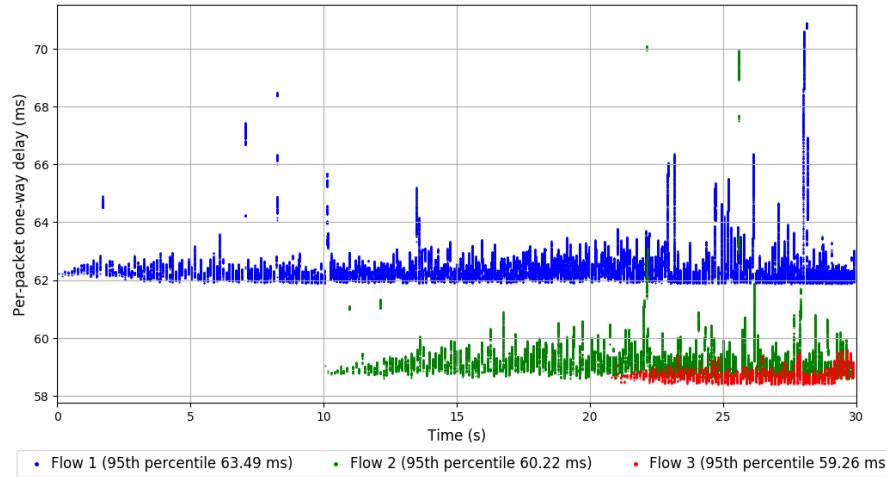
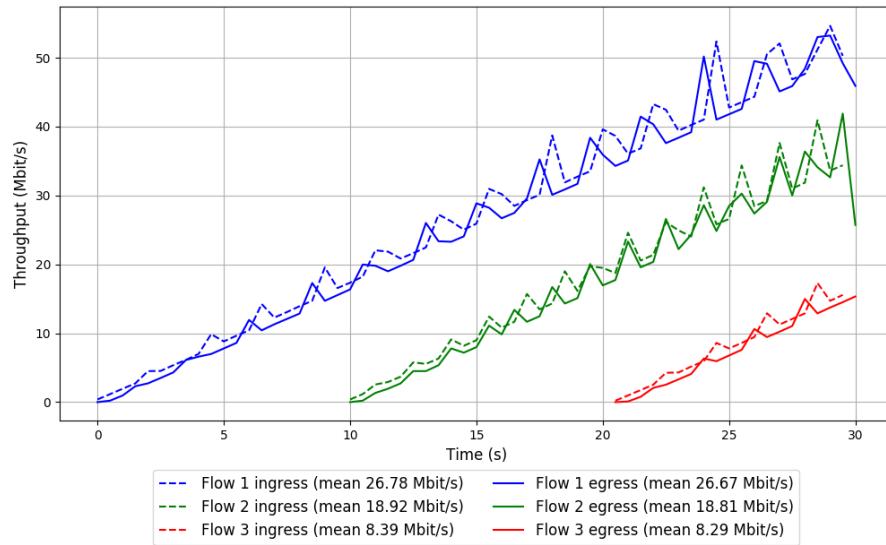


Run 3: Statistics of LEDBAT

```
Start at: 2019-07-13 03:10:15
End at: 2019-07-13 03:10:45
Local clock offset: 0.117 ms
Remote clock offset: -1.44 ms

# Below is generated by plot.py at 2019-07-13 07:17:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.69 Mbit/s
95th percentile per-packet one-way delay: 63.193 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 63.495 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 18.81 Mbit/s
95th percentile per-packet one-way delay: 60.222 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 59.262 ms
Loss rate: 2.54%
```

Run 3: Report of LEDBAT — Data Link

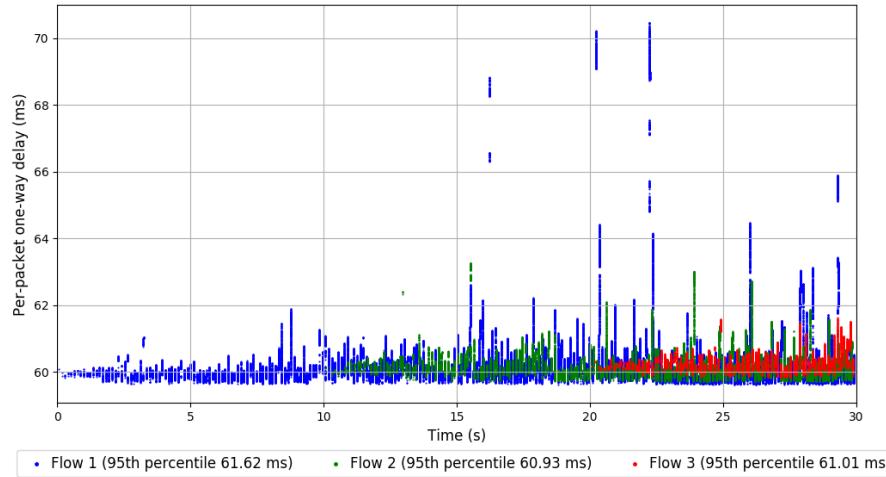
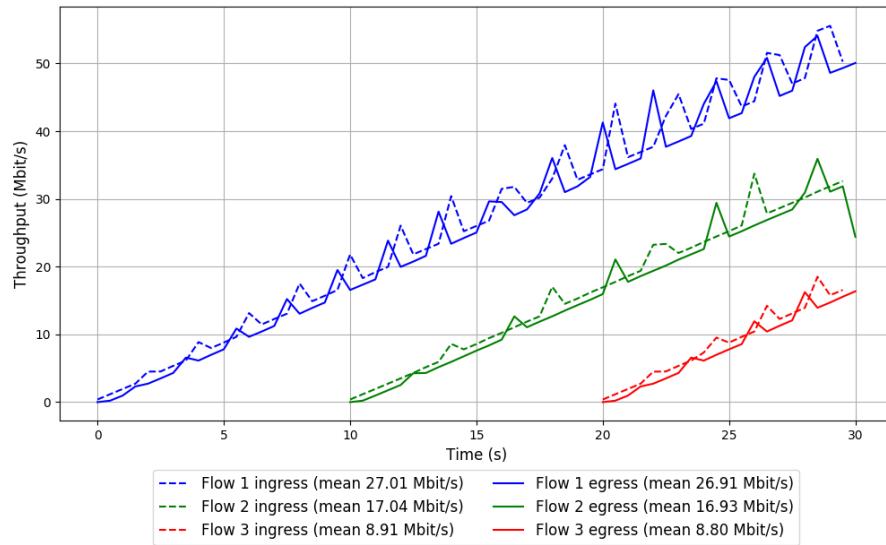


Run 4: Statistics of LEDBAT

```
Start at: 2019-07-13 03:50:46
End at: 2019-07-13 03:51:16
Local clock offset: -0.58 ms
Remote clock offset: -0.239 ms

# Below is generated by plot.py at 2019-07-13 07:17:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.01 Mbit/s
95th percentile per-packet one-way delay: 61.274 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 26.91 Mbit/s
95th percentile per-packet one-way delay: 61.620 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 16.93 Mbit/s
95th percentile per-packet one-way delay: 60.932 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 8.80 Mbit/s
95th percentile per-packet one-way delay: 61.013 ms
Loss rate: 2.38%
```

Run 4: Report of LEDBAT — Data Link

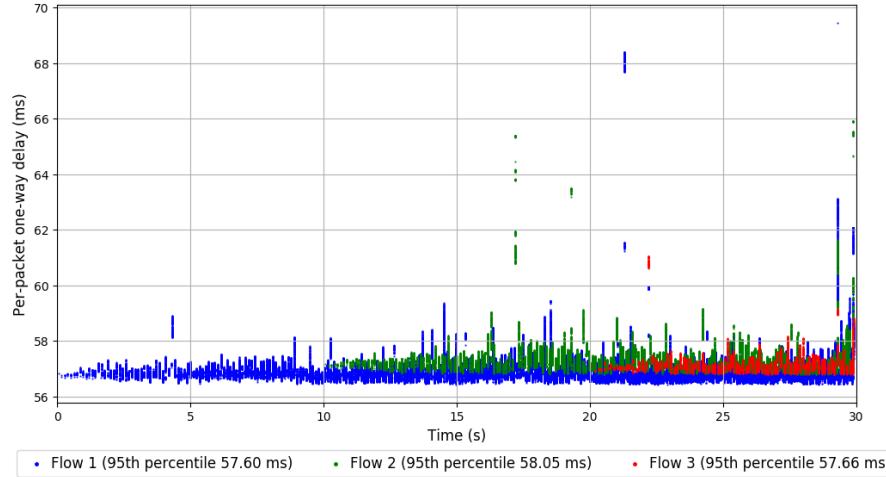
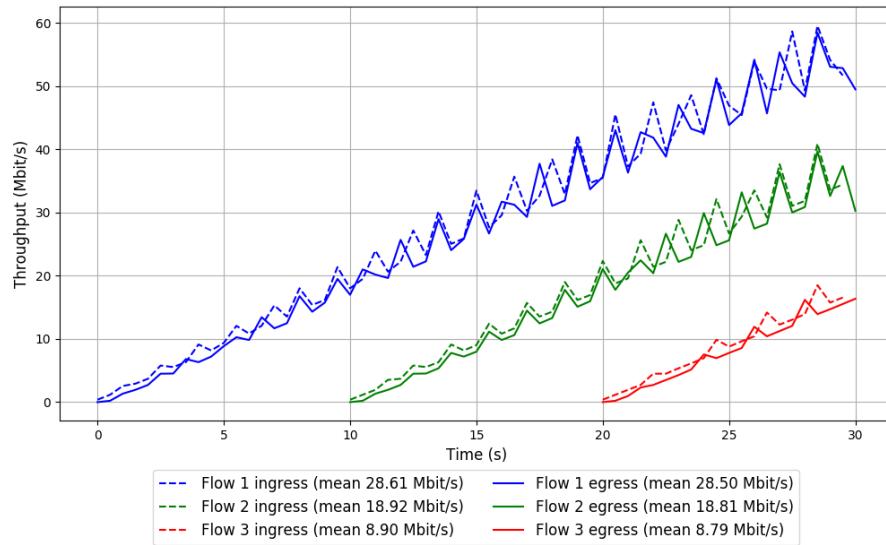


Run 5: Statistics of LEDBAT

```
Start at: 2019-07-13 04:32:09
End at: 2019-07-13 04:32:39
Local clock offset: -0.32 ms
Remote clock offset: -0.11 ms

# Below is generated by plot.py at 2019-07-13 07:17:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.88 Mbit/s
95th percentile per-packet one-way delay: 57.817 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 28.50 Mbit/s
95th percentile per-packet one-way delay: 57.599 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 18.81 Mbit/s
95th percentile per-packet one-way delay: 58.045 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 8.79 Mbit/s
95th percentile per-packet one-way delay: 57.660 ms
Loss rate: 2.38%
```

Run 5: Report of LEDBAT — Data Link

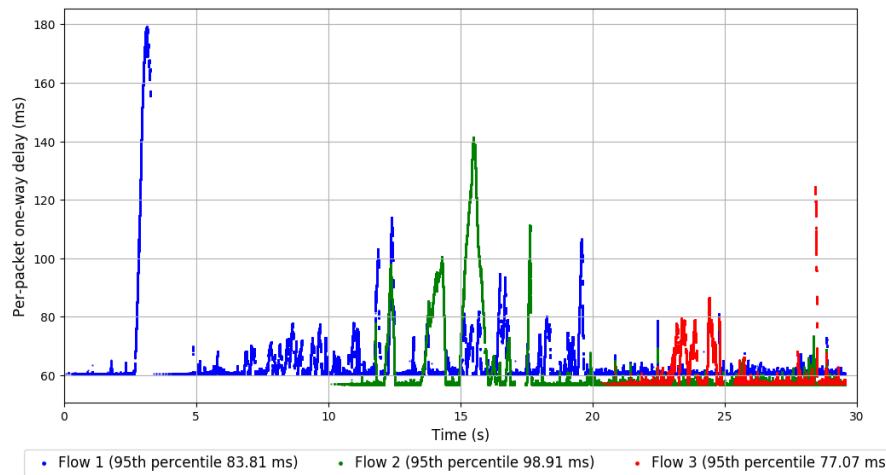
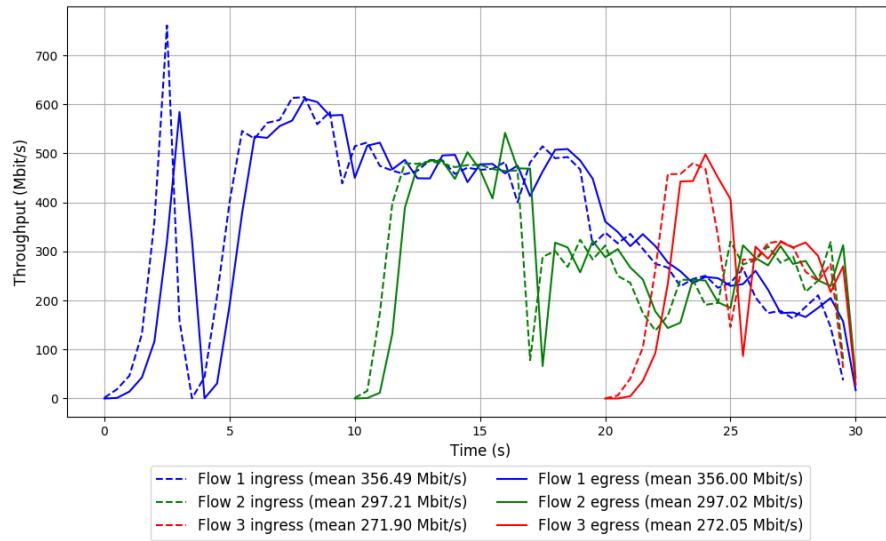


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-07-13 02:20:46
End at: 2019-07-13 02:21:16
Local clock offset: -0.093 ms
Remote clock offset: -0.115 ms

# Below is generated by plot.py at 2019-07-13 07:17:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 637.40 Mbit/s
95th percentile per-packet one-way delay: 92.057 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 356.00 Mbit/s
95th percentile per-packet one-way delay: 83.809 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 297.02 Mbit/s
95th percentile per-packet one-way delay: 98.905 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 272.05 Mbit/s
95th percentile per-packet one-way delay: 77.074 ms
Loss rate: 1.21%
```

Run 1: Report of Muses_DecisionTree — Data Link

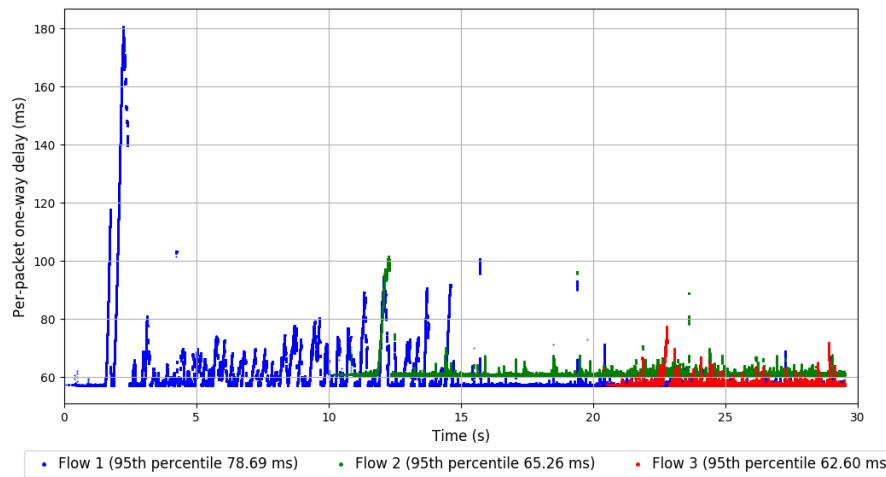
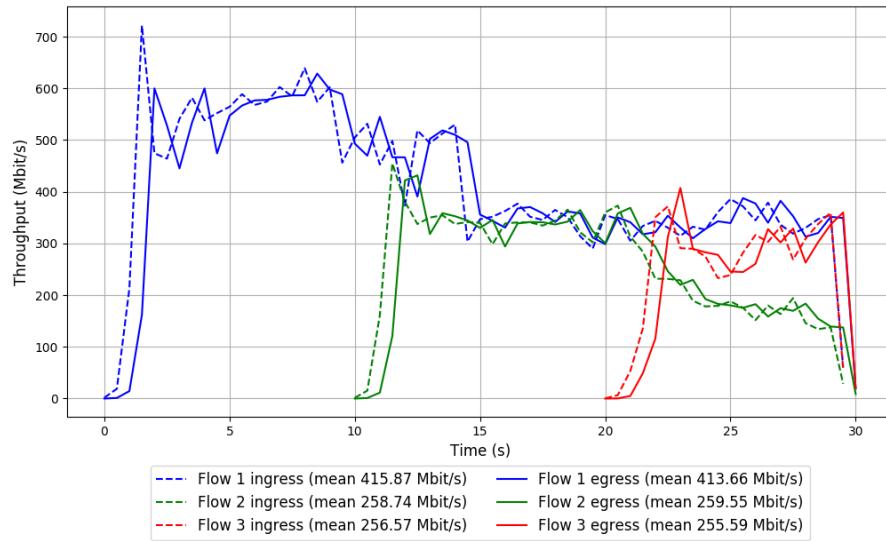


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-07-13 03:01:22
End at: 2019-07-13 03:01:52
Local clock offset: 0.119 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2019-07-13 07:18:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 665.17 Mbit/s
95th percentile per-packet one-way delay: 74.562 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 413.66 Mbit/s
95th percentile per-packet one-way delay: 78.688 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 259.55 Mbit/s
95th percentile per-packet one-way delay: 65.258 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 255.59 Mbit/s
95th percentile per-packet one-way delay: 62.599 ms
Loss rate: 1.63%
```

Run 2: Report of Muses_DecisionTree — Data Link

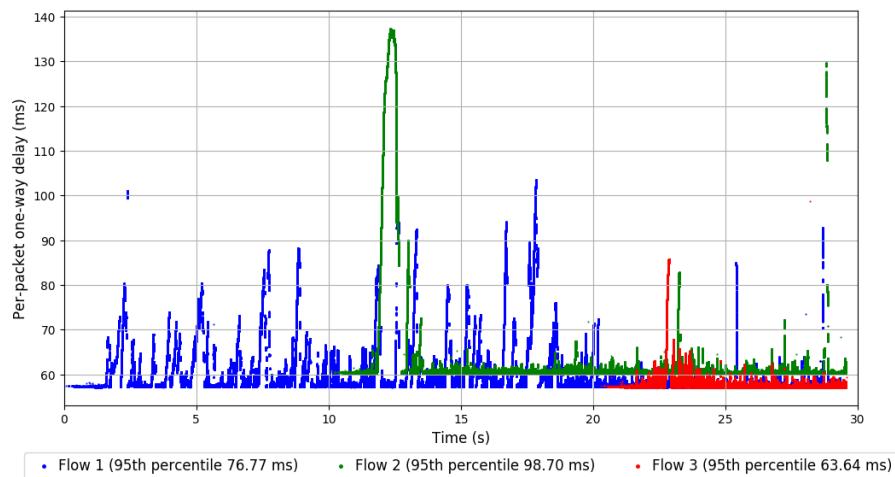
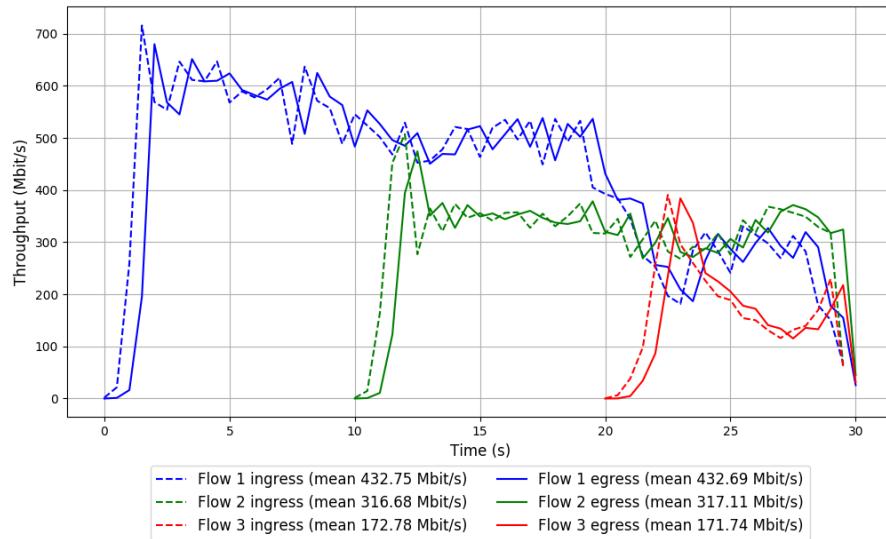


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-07-13 03:41:54
End at: 2019-07-13 03:42:24
Local clock offset: -0.369 ms
Remote clock offset: -0.504 ms

# Below is generated by plot.py at 2019-07-13 07:20:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 695.56 Mbit/s
95th percentile per-packet one-way delay: 78.328 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 432.69 Mbit/s
95th percentile per-packet one-way delay: 76.774 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 317.11 Mbit/s
95th percentile per-packet one-way delay: 98.697 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 171.74 Mbit/s
95th percentile per-packet one-way delay: 63.644 ms
Loss rate: 1.79%
```

Run 3: Report of Muses_DecisionTree — Data Link

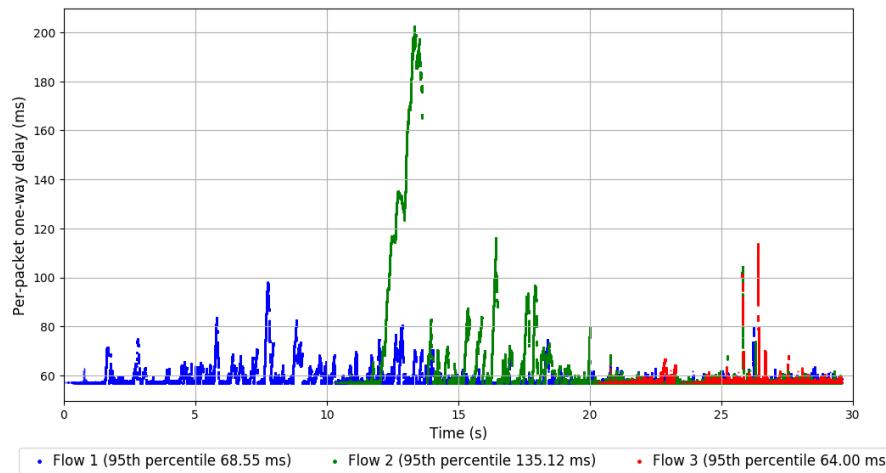
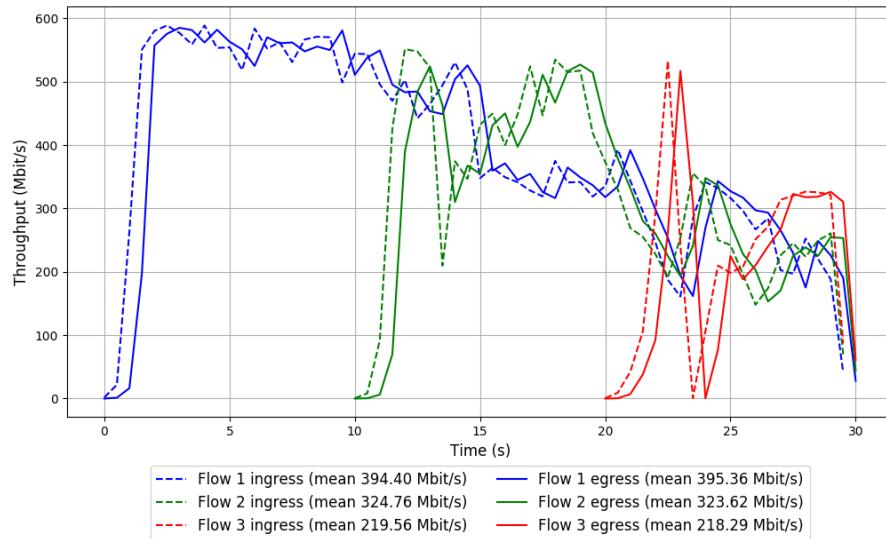


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-07-13 04:23:15
End at: 2019-07-13 04:23:45
Local clock offset: -0.007 ms
Remote clock offset: -0.177 ms

# Below is generated by plot.py at 2019-07-13 07:20:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 676.67 Mbit/s
95th percentile per-packet one-way delay: 82.805 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 395.36 Mbit/s
95th percentile per-packet one-way delay: 68.547 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 323.62 Mbit/s
95th percentile per-packet one-way delay: 135.121 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 218.29 Mbit/s
95th percentile per-packet one-way delay: 63.999 ms
Loss rate: 1.81%
```

Run 4: Report of Muses_DecisionTree — Data Link

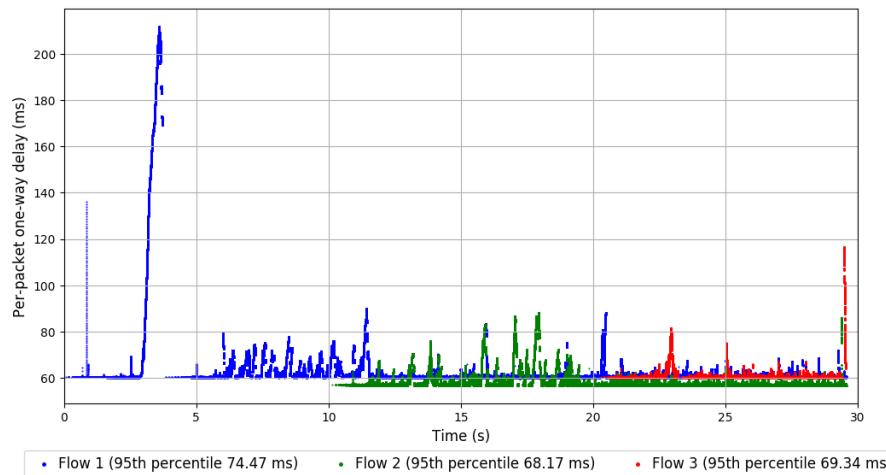
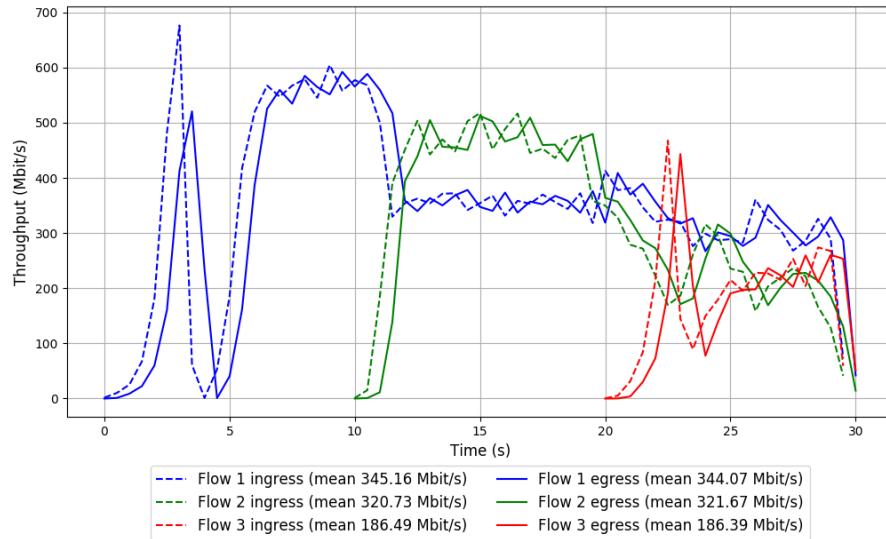


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-07-13 05:04:25
End at: 2019-07-13 05:04:55
Local clock offset: -0.05 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2019-07-13 07:20:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 614.28 Mbit/s
95th percentile per-packet one-way delay: 72.640 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 344.07 Mbit/s
95th percentile per-packet one-way delay: 74.474 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 321.67 Mbit/s
95th percentile per-packet one-way delay: 68.168 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 186.39 Mbit/s
95th percentile per-packet one-way delay: 69.343 ms
Loss rate: 1.69%
```

Run 5: Report of Muses_DecisionTree — Data Link

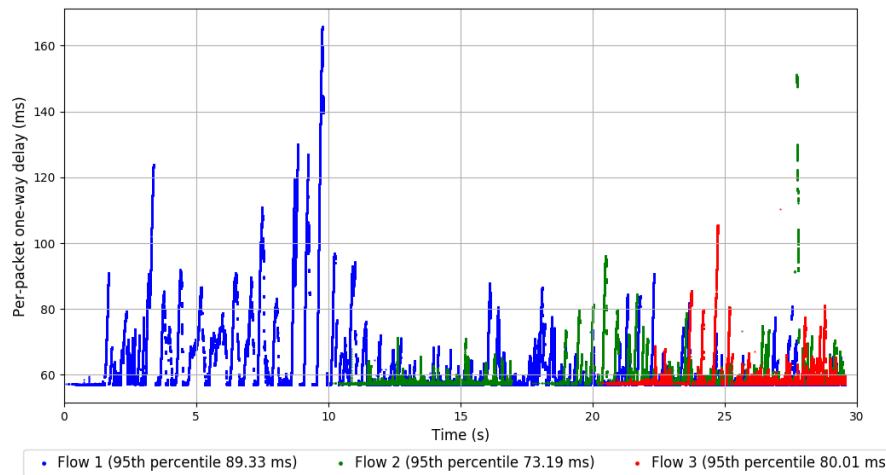
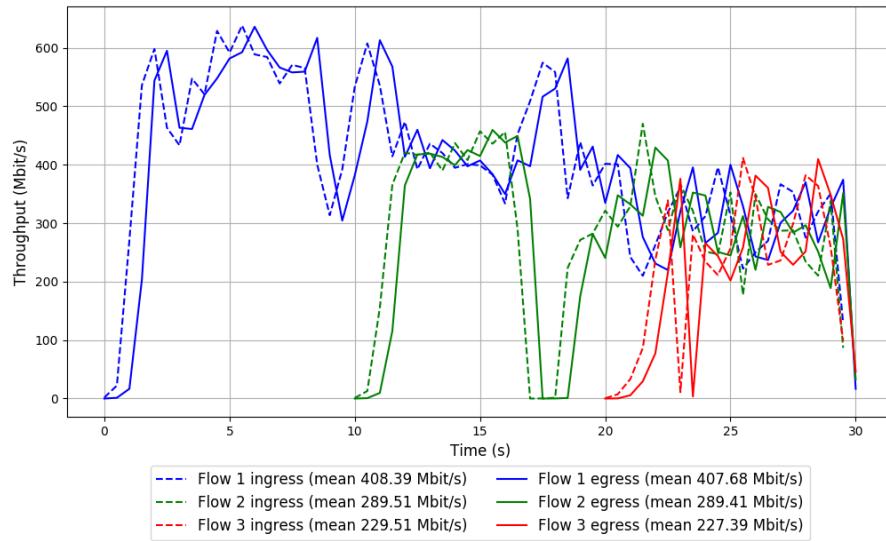


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-13 02:02:25
End at: 2019-07-13 02:02:55
Local clock offset: -0.005 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2019-07-13 07:20:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 669.52 Mbit/s
95th percentile per-packet one-way delay: 85.224 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 407.68 Mbit/s
95th percentile per-packet one-way delay: 89.330 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 289.41 Mbit/s
95th percentile per-packet one-way delay: 73.189 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 227.39 Mbit/s
95th percentile per-packet one-way delay: 80.011 ms
Loss rate: 2.18%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

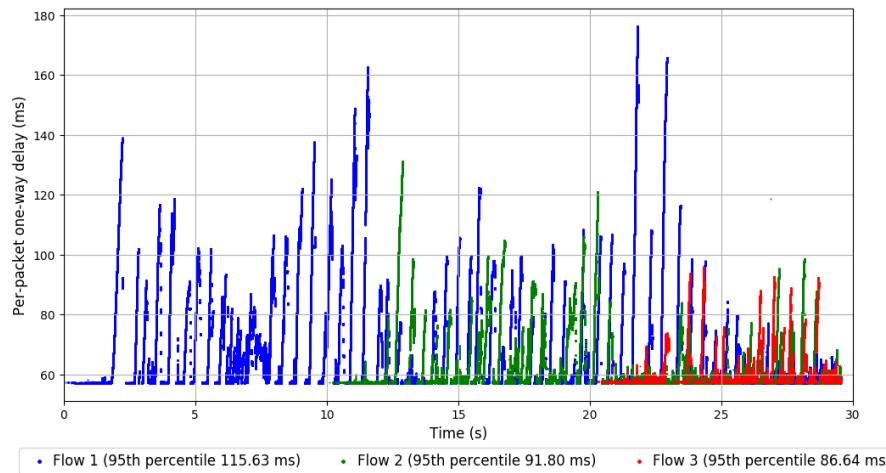
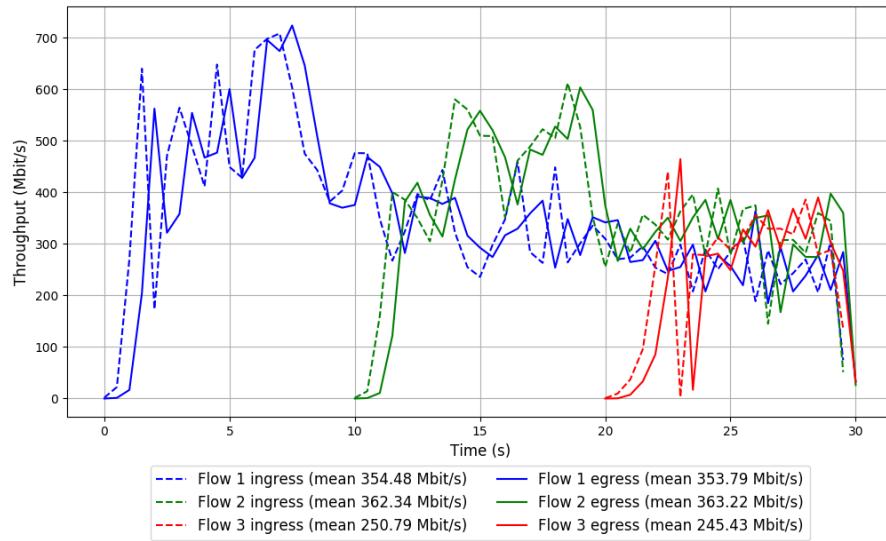


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-13 02:43:09
End at: 2019-07-13 02:43:39
Local clock offset: -0.49 ms
Remote clock offset: -0.779 ms

# Below is generated by plot.py at 2019-07-13 07:28:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 670.58 Mbit/s
95th percentile per-packet one-way delay: 104.614 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 353.79 Mbit/s
95th percentile per-packet one-way delay: 115.633 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 363.22 Mbit/s
95th percentile per-packet one-way delay: 91.798 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 245.43 Mbit/s
95th percentile per-packet one-way delay: 86.645 ms
Loss rate: 3.33%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

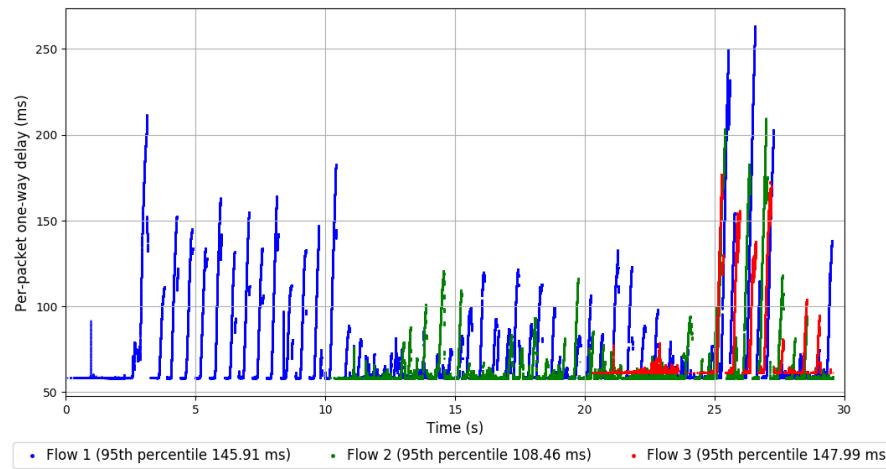
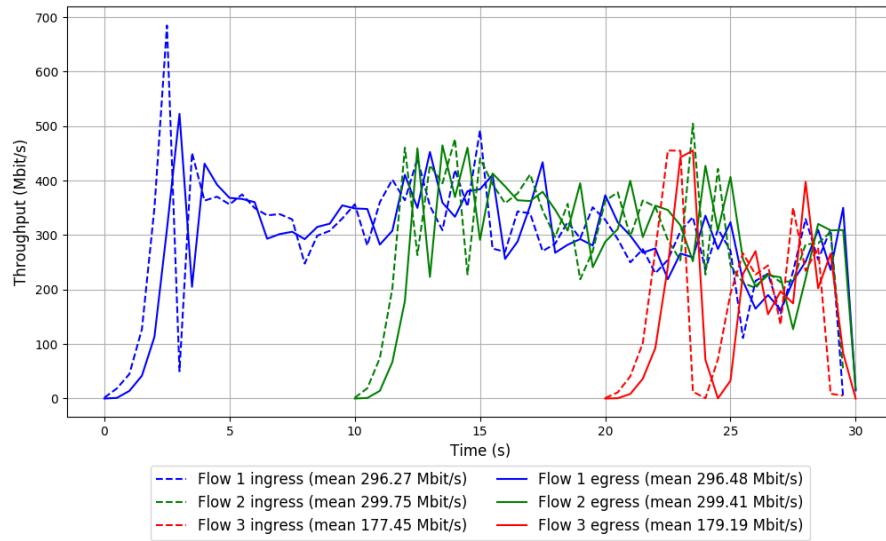


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-13 03:23:55
End at: 2019-07-13 03:24:25
Local clock offset: 0.303 ms
Remote clock offset: -0.987 ms

# Below is generated by plot.py at 2019-07-13 07:28:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 550.60 Mbit/s
95th percentile per-packet one-way delay: 140.189 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 296.48 Mbit/s
95th percentile per-packet one-way delay: 145.909 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 299.41 Mbit/s
95th percentile per-packet one-way delay: 108.461 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 179.19 Mbit/s
95th percentile per-packet one-way delay: 147.993 ms
Loss rate: 0.24%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

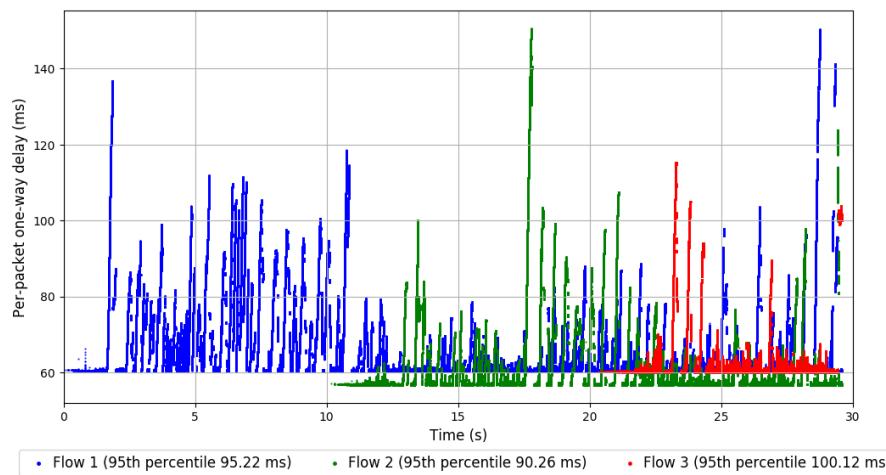
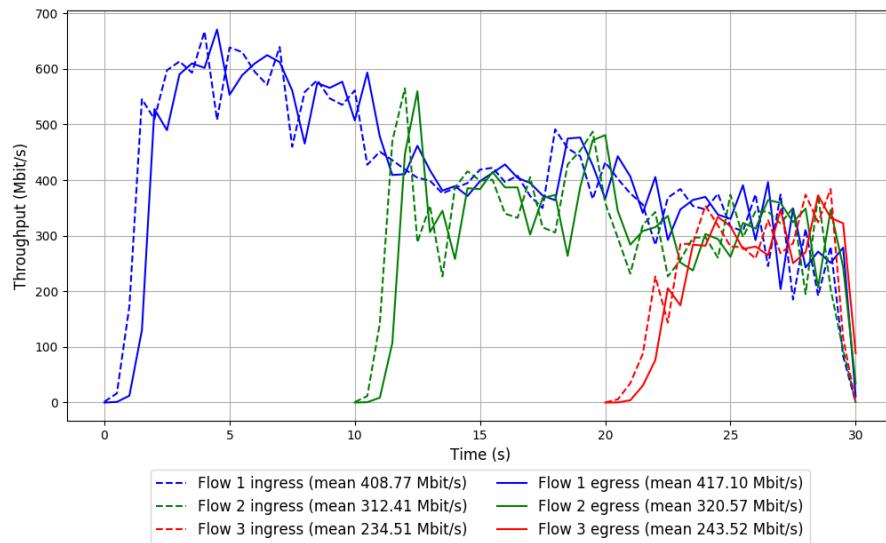


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-13 04:04:42
End at: 2019-07-13 04:05:12
Local clock offset: -0.172 ms
Remote clock offset: -0.177 ms

# Below is generated by plot.py at 2019-07-13 07:31:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 704.14 Mbit/s
95th percentile per-packet one-way delay: 94.756 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 417.10 Mbit/s
95th percentile per-packet one-way delay: 95.223 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 320.57 Mbit/s
95th percentile per-packet one-way delay: 90.262 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 243.52 Mbit/s
95th percentile per-packet one-way delay: 100.122 ms
Loss rate: 2.76%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

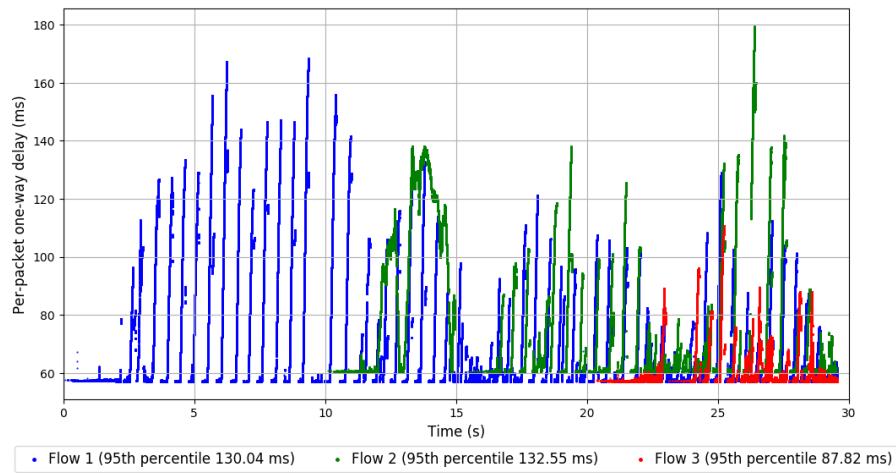
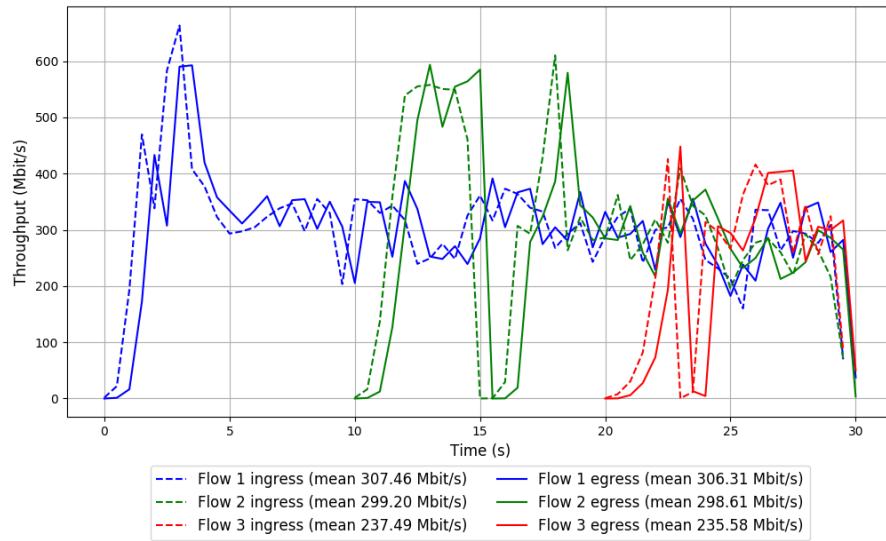


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-13 04:45:57
End at: 2019-07-13 04:46:27
Local clock offset: 0.218 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2019-07-13 07:31:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 577.55 Mbit/s
95th percentile per-packet one-way delay: 129.750 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 306.31 Mbit/s
95th percentile per-packet one-way delay: 130.037 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 298.61 Mbit/s
95th percentile per-packet one-way delay: 132.549 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 235.58 Mbit/s
95th percentile per-packet one-way delay: 87.819 ms
Loss rate: 2.05%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

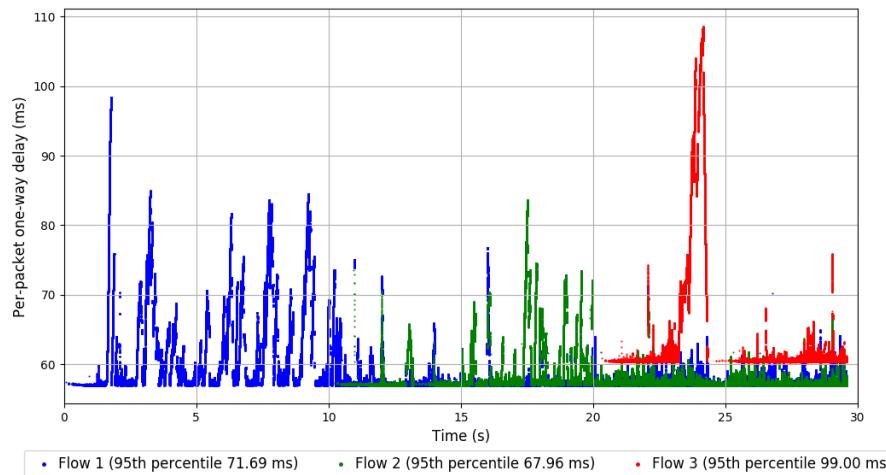
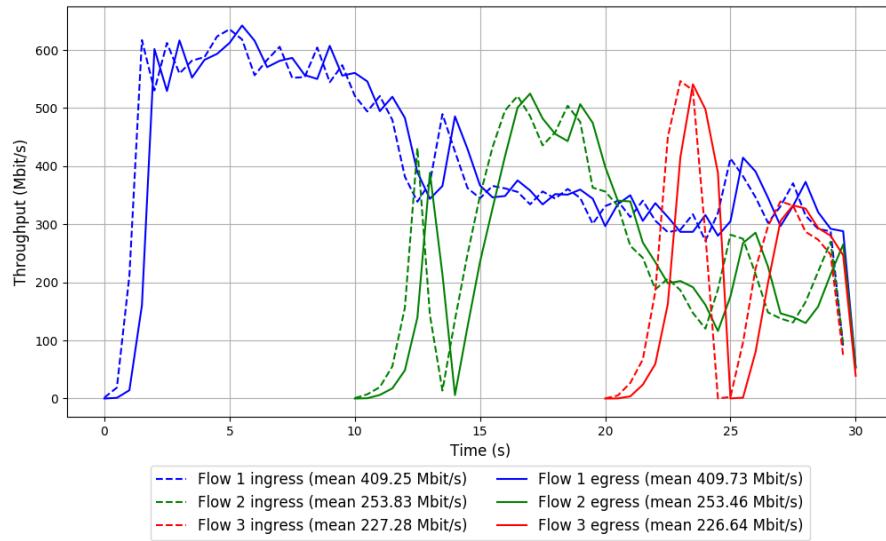


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-13 02:04:12
End at: 2019-07-13 02:04:42
Local clock offset: -0.247 ms
Remote clock offset: -0.182 ms

# Below is generated by plot.py at 2019-07-13 07:31:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 647.11 Mbit/s
95th percentile per-packet one-way delay: 72.689 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 409.73 Mbit/s
95th percentile per-packet one-way delay: 71.694 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 253.46 Mbit/s
95th percentile per-packet one-way delay: 67.961 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 226.64 Mbit/s
95th percentile per-packet one-way delay: 98.997 ms
Loss rate: 1.57%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

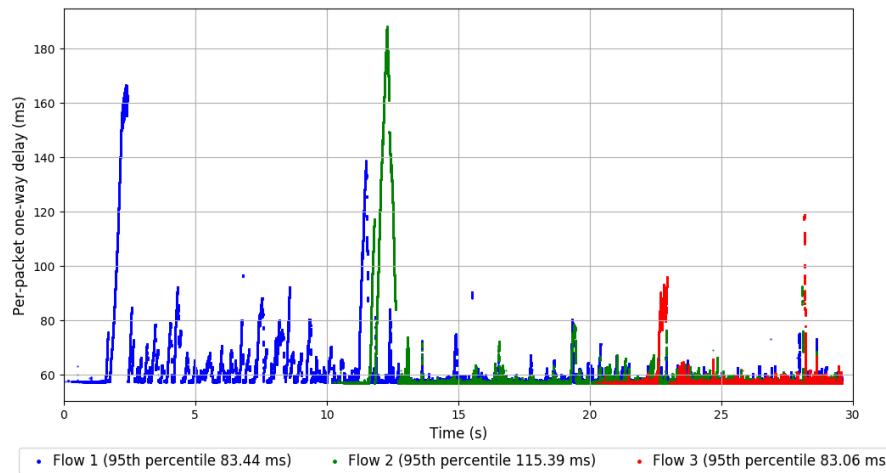
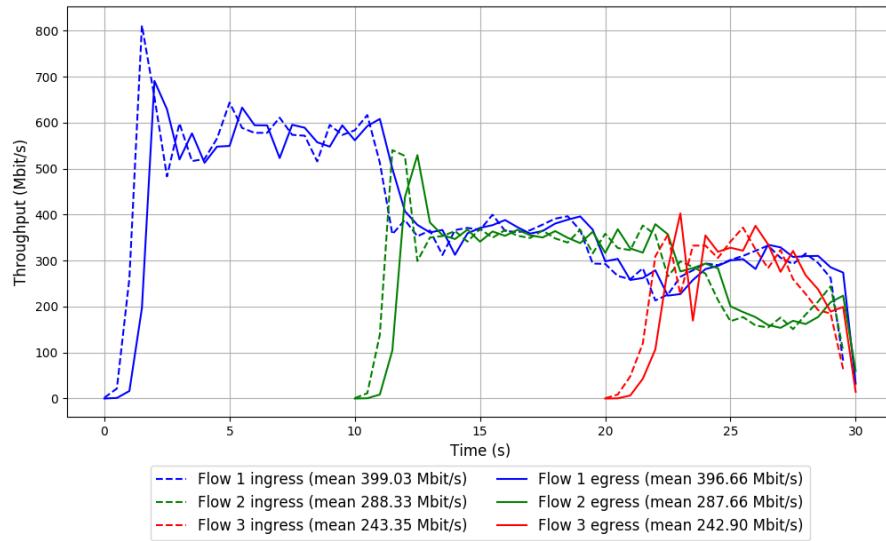


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-13 02:44:56
End at: 2019-07-13 02:45:26
Local clock offset: -0.032 ms
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2019-07-13 07:33:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 662.68 Mbit/s
95th percentile per-packet one-way delay: 88.599 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 396.66 Mbit/s
95th percentile per-packet one-way delay: 83.445 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 287.66 Mbit/s
95th percentile per-packet one-way delay: 115.394 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 242.90 Mbit/s
95th percentile per-packet one-way delay: 83.059 ms
Loss rate: 1.32%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

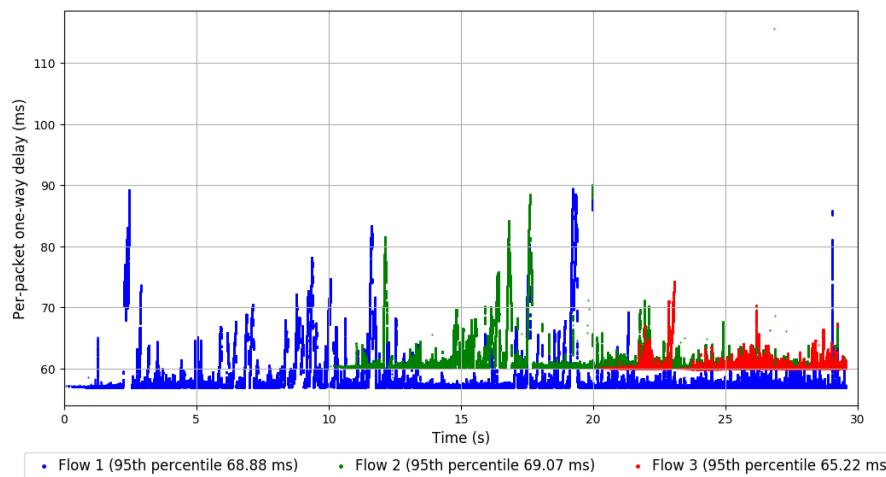
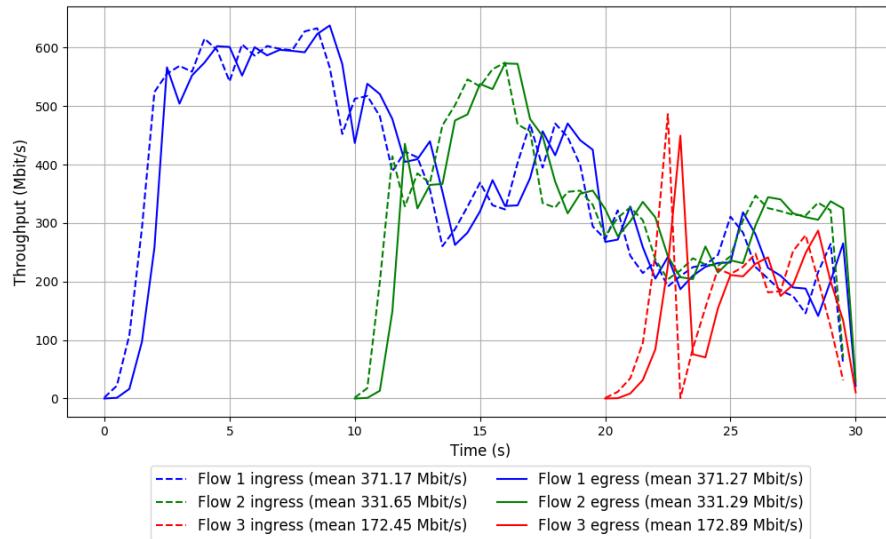


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-13 03:25:36
End at: 2019-07-13 03:26:06
Local clock offset: -0.321 ms
Remote clock offset: -0.218 ms

# Below is generated by plot.py at 2019-07-13 07:33:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 645.03 Mbit/s
95th percentile per-packet one-way delay: 68.587 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 371.27 Mbit/s
95th percentile per-packet one-way delay: 68.881 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 331.29 Mbit/s
95th percentile per-packet one-way delay: 69.071 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 172.89 Mbit/s
95th percentile per-packet one-way delay: 65.218 ms
Loss rate: 1.07%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

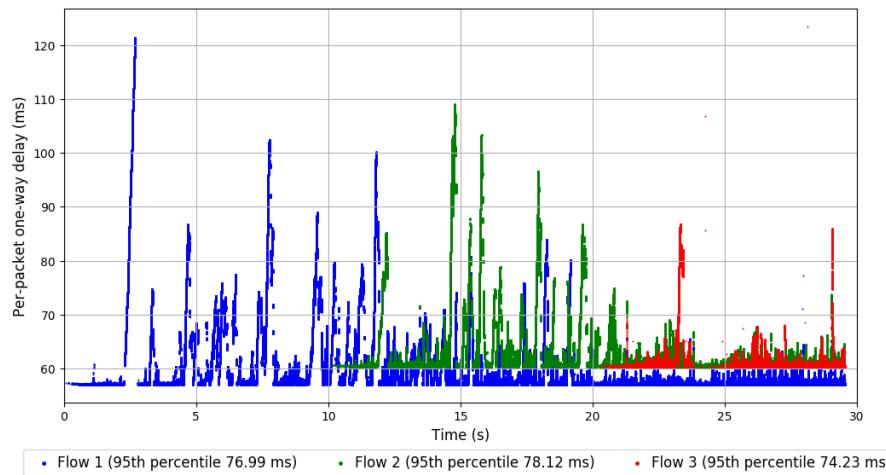
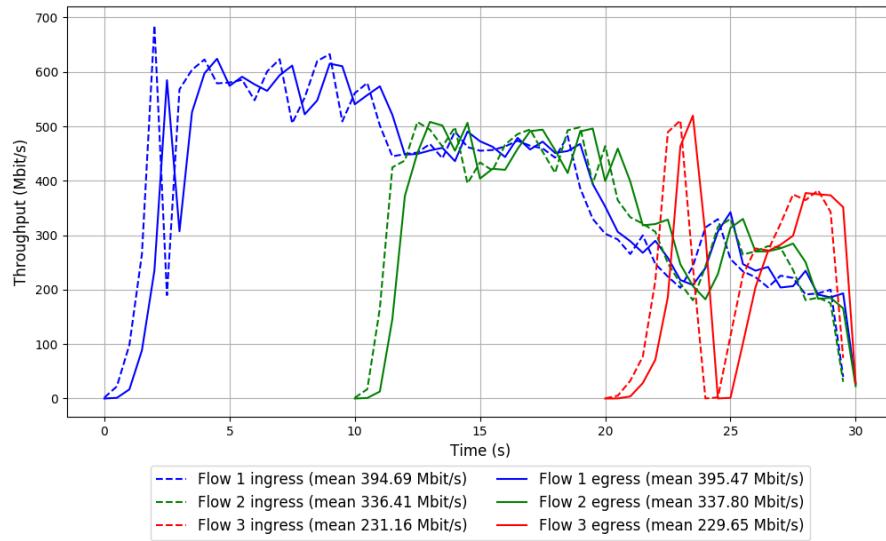


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-13 04:06:32
End at: 2019-07-13 04:07:02
Local clock offset: -0.201 ms
Remote clock offset: -0.414 ms

# Below is generated by plot.py at 2019-07-13 07:33:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 690.23 Mbit/s
95th percentile per-packet one-way delay: 77.387 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 395.47 Mbit/s
95th percentile per-packet one-way delay: 76.987 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 337.80 Mbit/s
95th percentile per-packet one-way delay: 78.125 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 229.65 Mbit/s
95th percentile per-packet one-way delay: 74.229 ms
Loss rate: 1.96%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

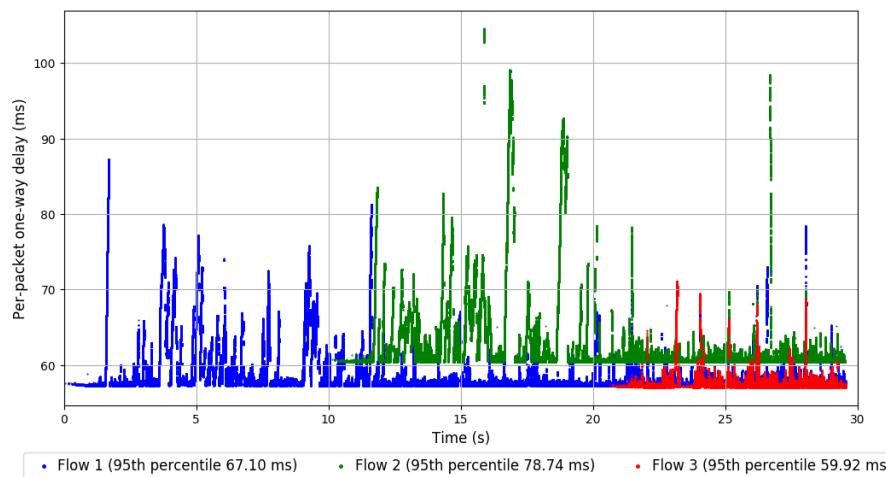
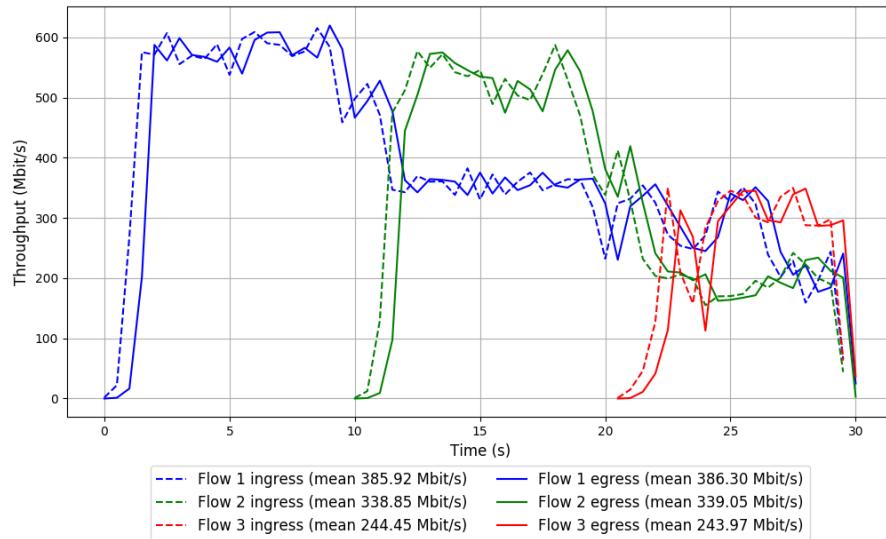


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-13 04:47:40
End at: 2019-07-13 04:48:10
Local clock offset: 0.329 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2019-07-13 07:39:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 683.06 Mbit/s
95th percentile per-packet one-way delay: 70.835 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 386.30 Mbit/s
95th percentile per-packet one-way delay: 67.098 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 339.05 Mbit/s
95th percentile per-packet one-way delay: 78.737 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 243.97 Mbit/s
95th percentile per-packet one-way delay: 59.920 ms
Loss rate: 1.50%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

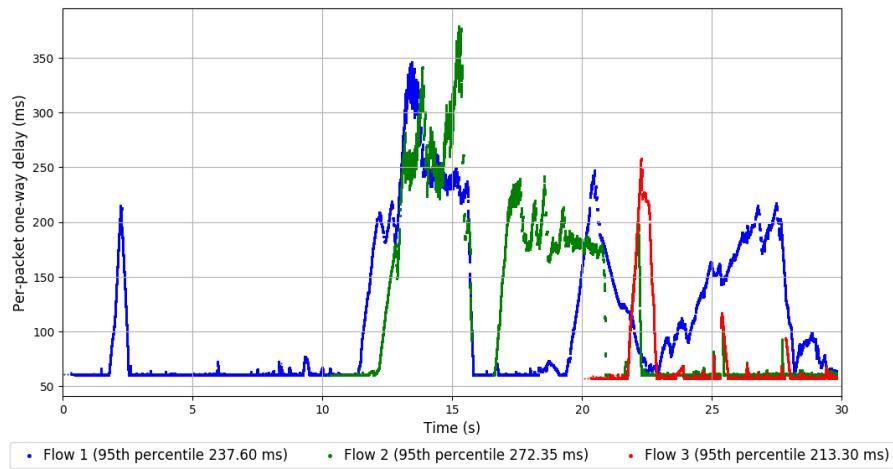
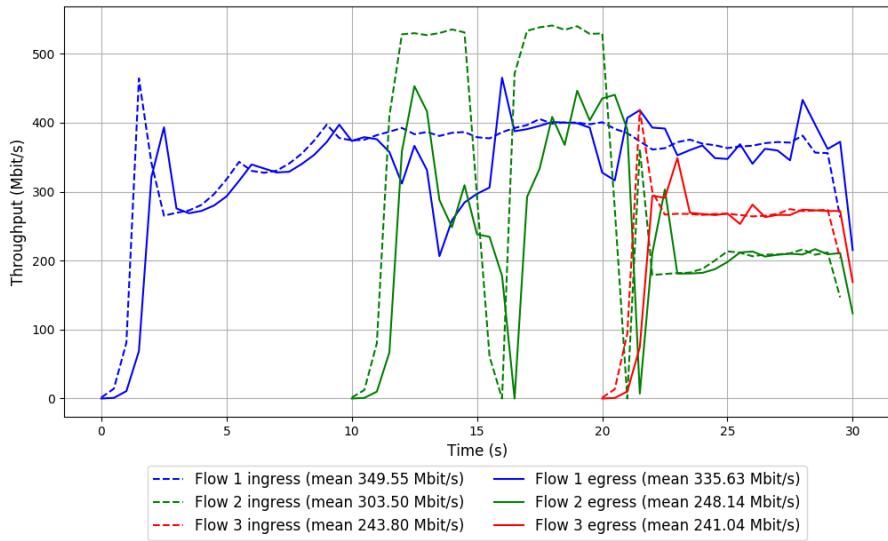


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-07-13 02:27:46
End at: 2019-07-13 02:28:16
Local clock offset: 0.282 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2019-07-13 07:50:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 578.96 Mbit/s
95th percentile per-packet one-way delay: 244.319 ms
Loss rate: 8.70%
-- Flow 1:
Average throughput: 335.63 Mbit/s
95th percentile per-packet one-way delay: 237.598 ms
Loss rate: 4.37%
-- Flow 2:
Average throughput: 248.14 Mbit/s
95th percentile per-packet one-way delay: 272.352 ms
Loss rate: 18.74%
-- Flow 3:
Average throughput: 241.04 Mbit/s
95th percentile per-packet one-way delay: 213.302 ms
Loss rate: 2.32%
```

Run 1: Report of PCC-Allegro — Data Link

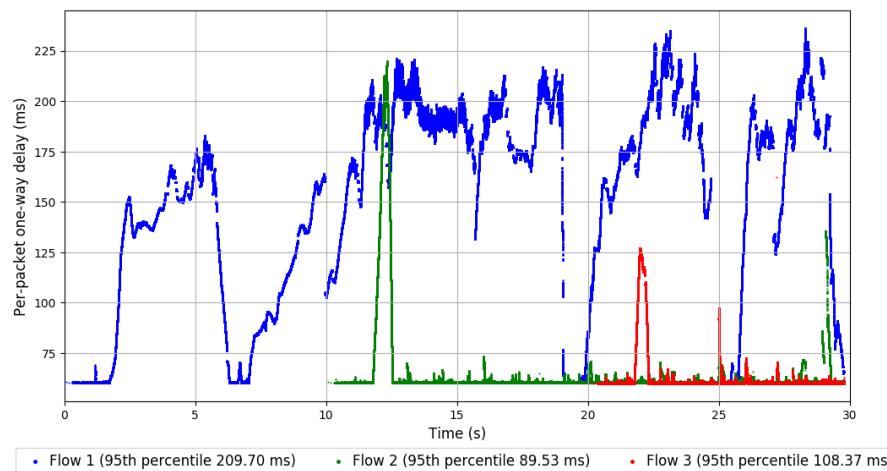
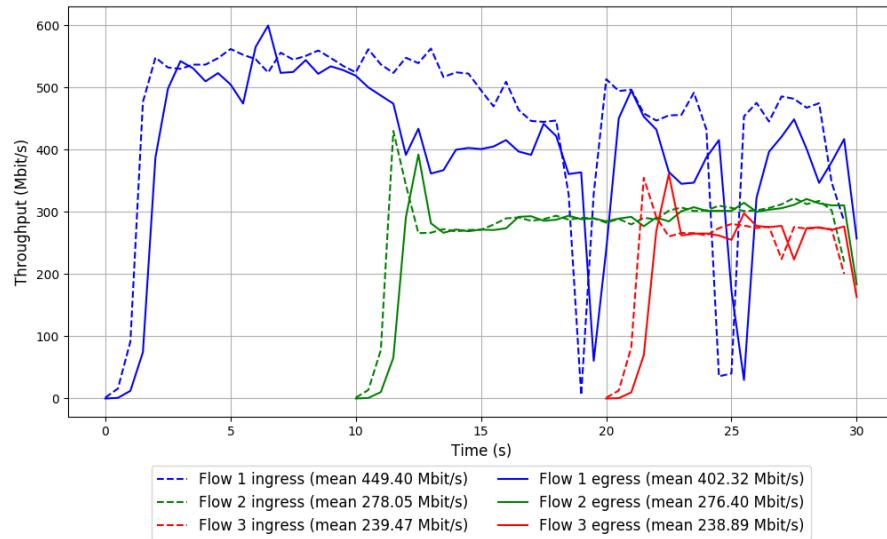


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-07-13 03:08:16
End at: 2019-07-13 03:08:46
Local clock offset: -0.205 ms
Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2019-07-13 07:53:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 663.56 Mbit/s
95th percentile per-packet one-way delay: 204.909 ms
Loss rate: 7.30%
-- Flow 1:
Average throughput: 402.32 Mbit/s
95th percentile per-packet one-way delay: 209.701 ms
Loss rate: 10.84%
-- Flow 2:
Average throughput: 276.40 Mbit/s
95th percentile per-packet one-way delay: 89.530 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 238.89 Mbit/s
95th percentile per-packet one-way delay: 108.373 ms
Loss rate: 1.45%
```

Run 2: Report of PCC-Allegro — Data Link

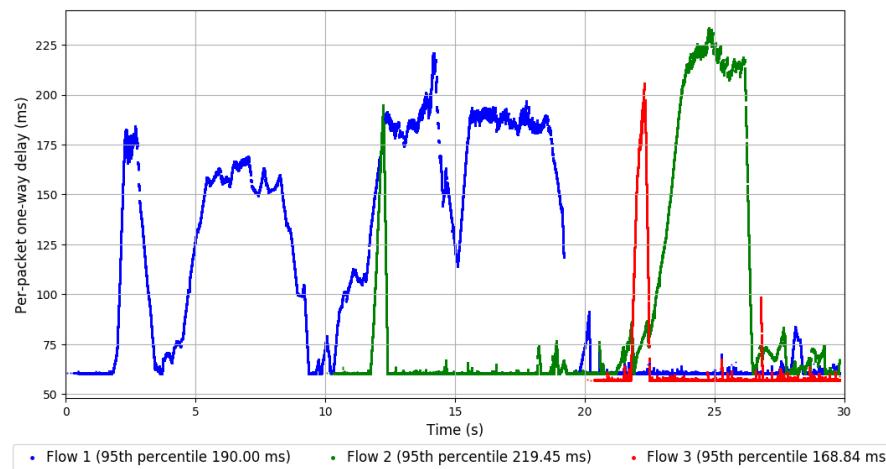
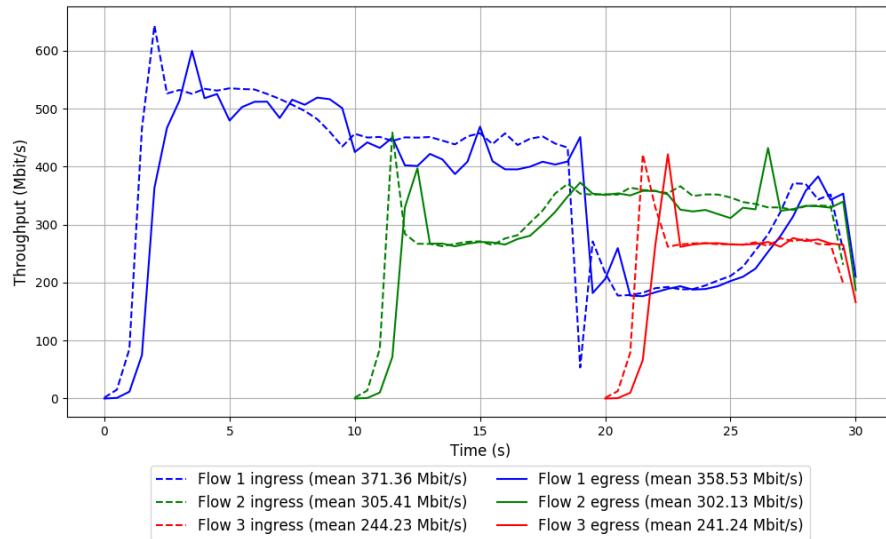


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-07-13 03:48:51
End at: 2019-07-13 03:49:21
Local clock offset: 0.069 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2019-07-13 07:54:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 637.61 Mbit/s
95th percentile per-packet one-way delay: 196.391 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 358.53 Mbit/s
95th percentile per-packet one-way delay: 190.002 ms
Loss rate: 3.84%
-- Flow 2:
Average throughput: 302.13 Mbit/s
95th percentile per-packet one-way delay: 219.448 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 241.24 Mbit/s
95th percentile per-packet one-way delay: 168.840 ms
Loss rate: 2.39%
```

Run 3: Report of PCC-Allegro — Data Link

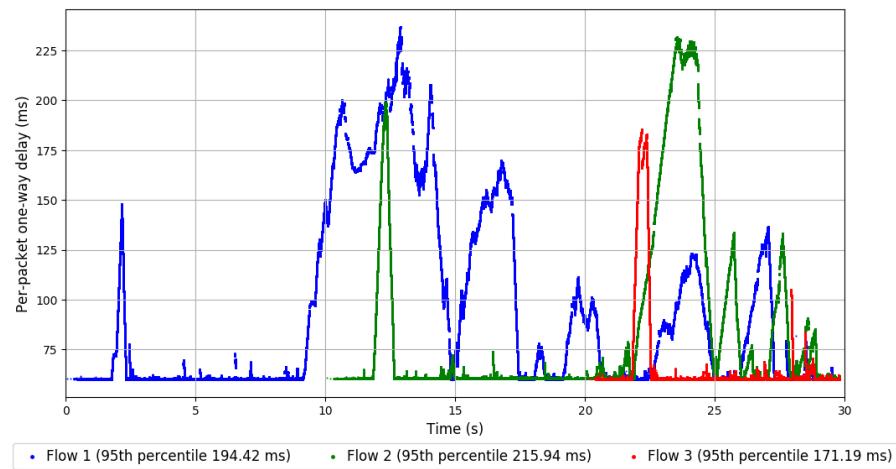
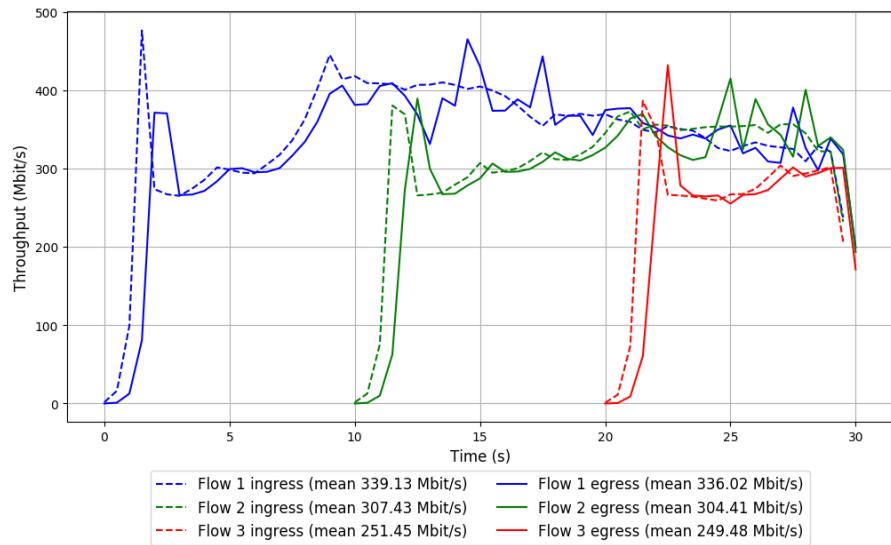


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-07-13 04:30:14
End at: 2019-07-13 04:30:44
Local clock offset: -0.269 ms
Remote clock offset: -0.212 ms

# Below is generated by plot.py at 2019-07-13 07:54:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 619.27 Mbit/s
95th percentile per-packet one-way delay: 193.766 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 336.02 Mbit/s
95th percentile per-packet one-way delay: 194.421 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 304.41 Mbit/s
95th percentile per-packet one-way delay: 215.935 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 249.48 Mbit/s
95th percentile per-packet one-way delay: 171.190 ms
Loss rate: 2.01%
```

Run 4: Report of PCC-Allegro — Data Link

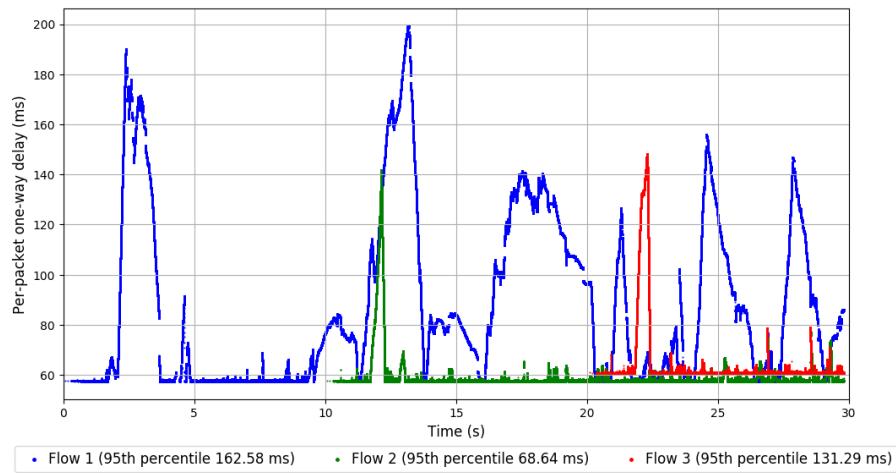
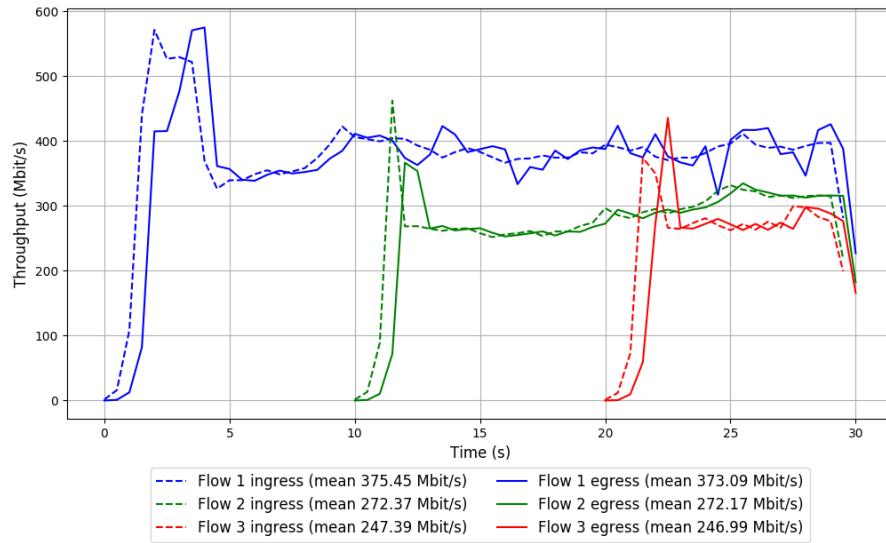


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-07-13 05:11:18
End at: 2019-07-13 05:11:48
Local clock offset: -0.092 ms
Remote clock offset: -0.792 ms

# Below is generated by plot.py at 2019-07-13 07:55:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 634.26 Mbit/s
95th percentile per-packet one-way delay: 146.585 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 373.09 Mbit/s
95th percentile per-packet one-way delay: 162.580 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 272.17 Mbit/s
95th percentile per-packet one-way delay: 68.644 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 246.99 Mbit/s
95th percentile per-packet one-way delay: 131.293 ms
Loss rate: 1.39%
```

Run 5: Report of PCC-Allegro — Data Link

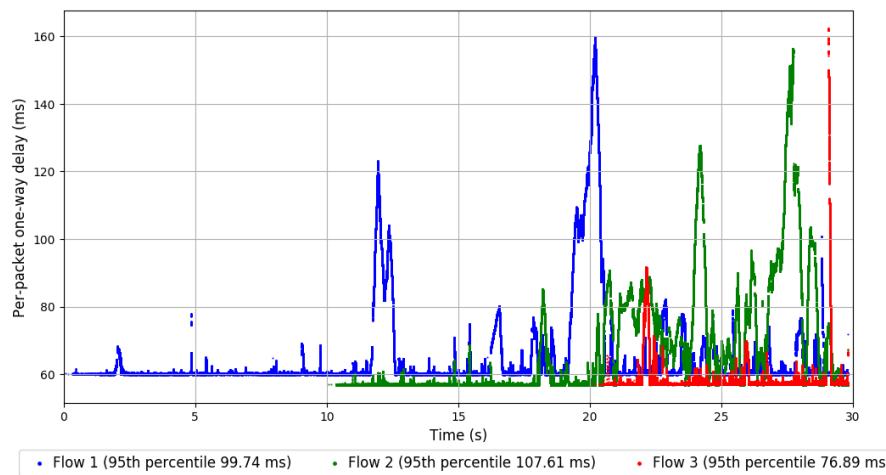
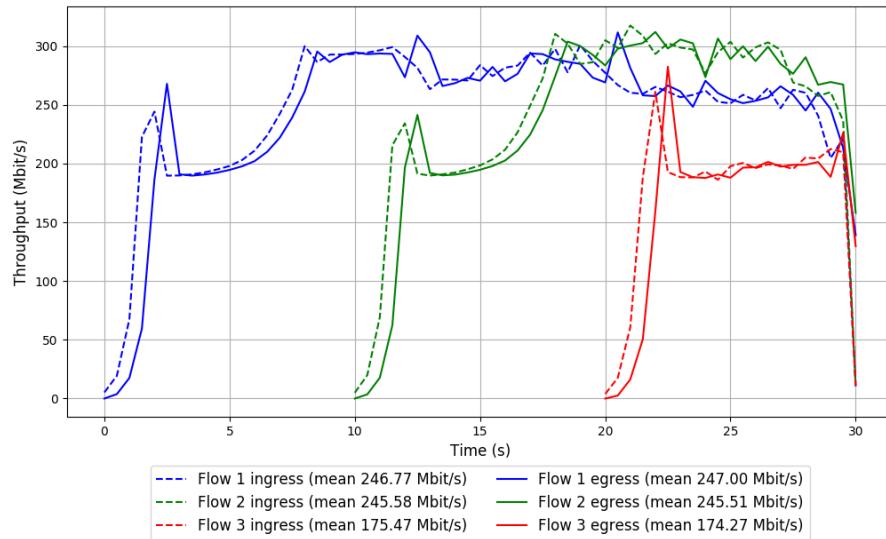


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-07-13 01:57:30
End at: 2019-07-13 01:58:00
Local clock offset: -0.43 ms
Remote clock offset: -0.269 ms

# Below is generated by plot.py at 2019-07-13 07:55:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 466.99 Mbit/s
95th percentile per-packet one-way delay: 99.969 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 247.00 Mbit/s
95th percentile per-packet one-way delay: 99.743 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 245.51 Mbit/s
95th percentile per-packet one-way delay: 107.609 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 174.27 Mbit/s
95th percentile per-packet one-way delay: 76.885 ms
Loss rate: 3.28%
```

Run 1: Report of PCC-Expr — Data Link

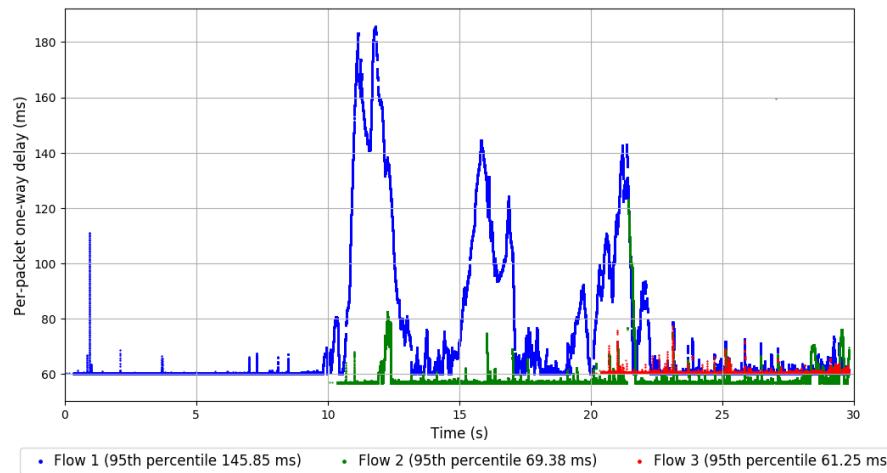
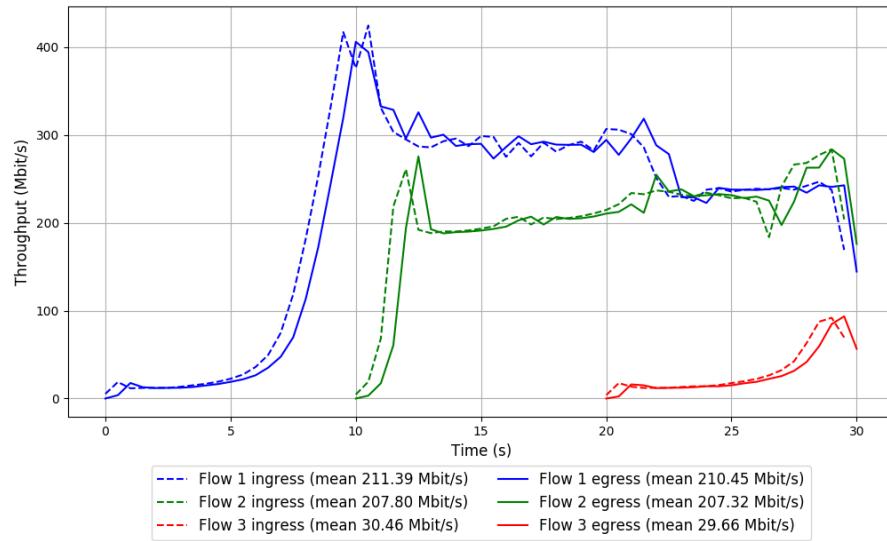


Run 2: Statistics of PCC-Expr

```
Start at: 2019-07-13 02:38:25
End at: 2019-07-13 02:38:55
Local clock offset: -0.115 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2019-07-13 07:55:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 357.77 Mbit/s
95th percentile per-packet one-way delay: 134.148 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 210.45 Mbit/s
95th percentile per-packet one-way delay: 145.850 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 207.32 Mbit/s
95th percentile per-packet one-way delay: 69.383 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 29.66 Mbit/s
95th percentile per-packet one-way delay: 61.247 ms
Loss rate: 3.83%
```

Run 2: Report of PCC-Expr — Data Link

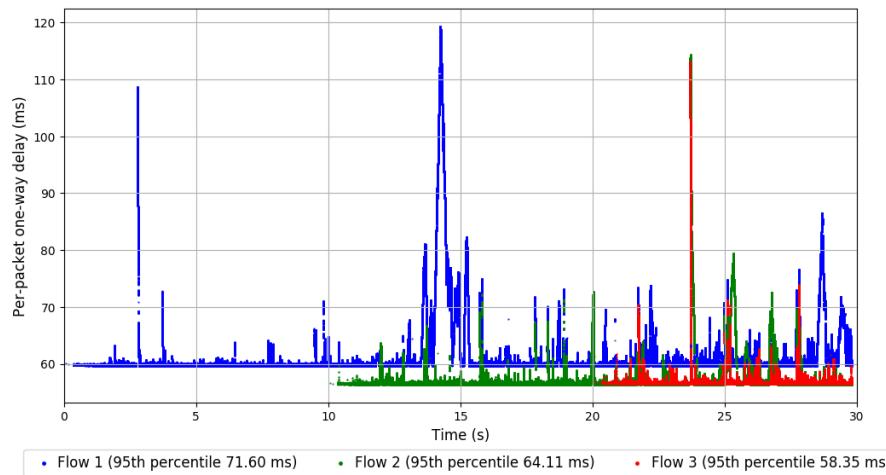
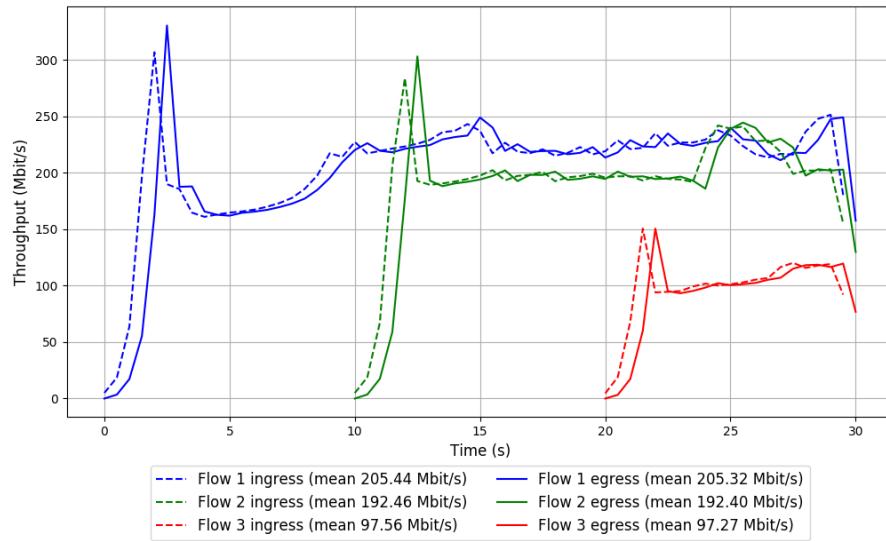


Run 3: Statistics of PCC-Expr

```
Start at: 2019-07-13 03:19:09
End at: 2019-07-13 03:19:39
Local clock offset: -0.533 ms
Remote clock offset: -0.246 ms

# Below is generated by plot.py at 2019-07-13 07:55:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 364.90 Mbit/s
95th percentile per-packet one-way delay: 68.579 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 205.32 Mbit/s
95th percentile per-packet one-way delay: 71.597 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 192.40 Mbit/s
95th percentile per-packet one-way delay: 64.113 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 58.354 ms
Loss rate: 1.50%
```

Run 3: Report of PCC-Expr — Data Link

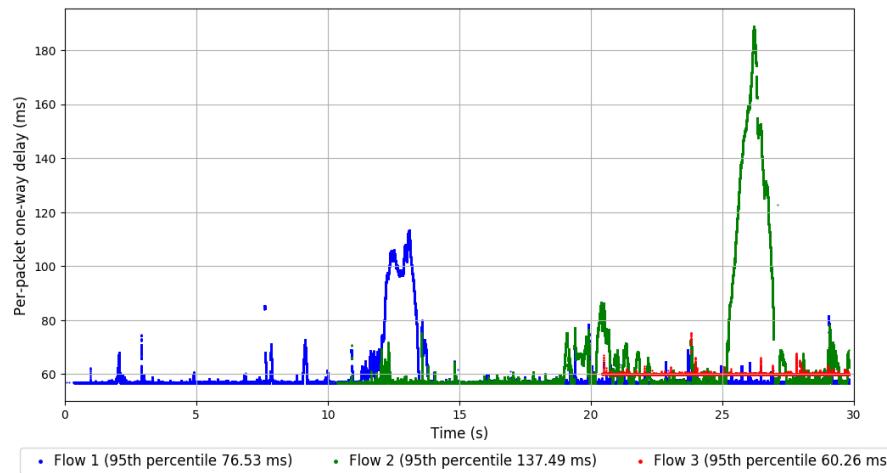
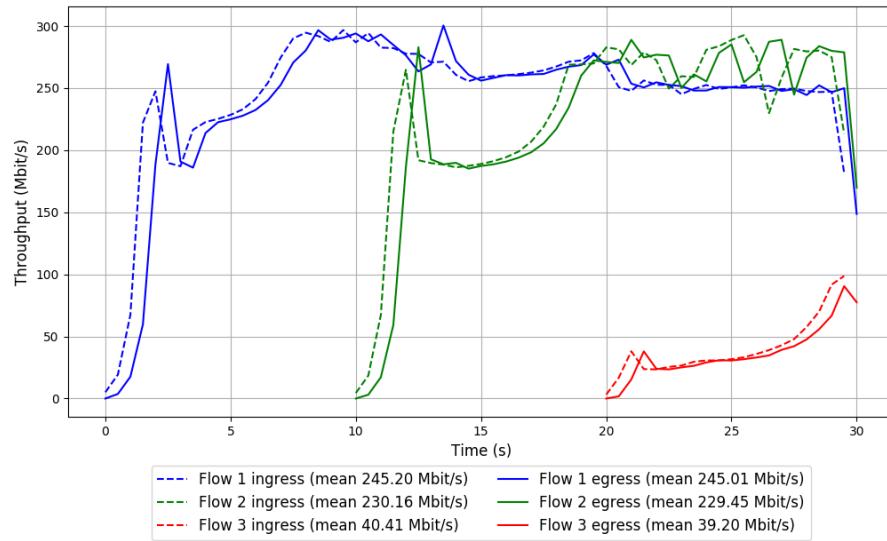


Run 4: Statistics of PCC-Expr

```
Start at: 2019-07-13 03:59:49
End at: 2019-07-13 04:00:19
Local clock offset: -0.219 ms
Remote clock offset: -0.107 ms

# Below is generated by plot.py at 2019-07-13 08:01:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 410.07 Mbit/s
95th percentile per-packet one-way delay: 97.993 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 245.01 Mbit/s
95th percentile per-packet one-way delay: 76.532 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 229.45 Mbit/s
95th percentile per-packet one-way delay: 137.487 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 60.261 ms
Loss rate: 4.18%
```

Run 4: Report of PCC-Expr — Data Link

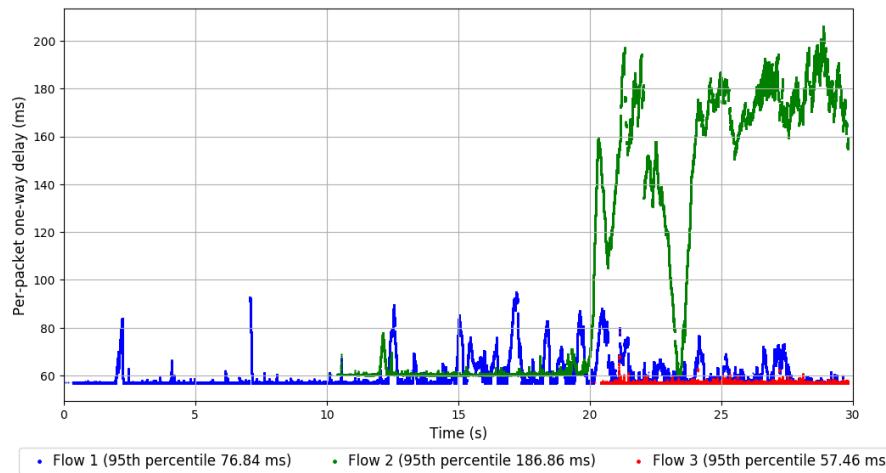
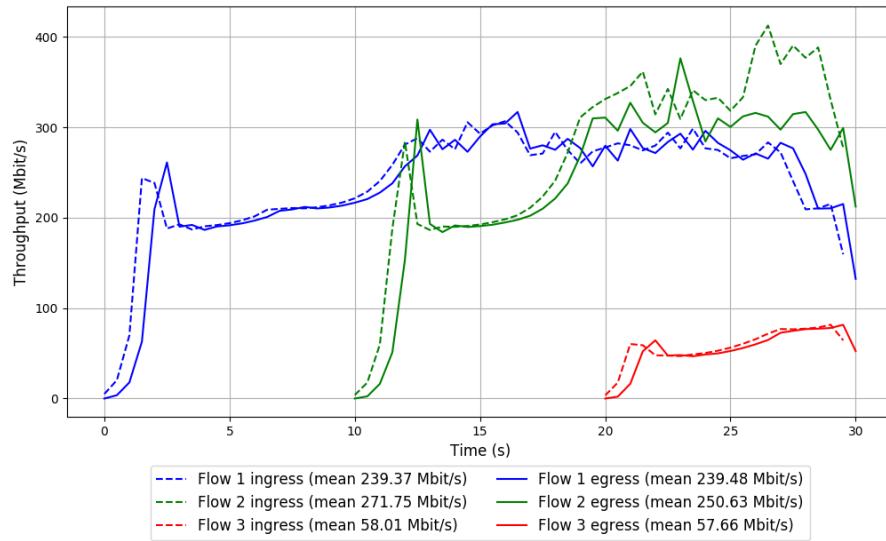


Run 5: Statistics of PCC-Expr

```
Start at: 2019-07-13 04:41:04
End at: 2019-07-13 04:41:34
Local clock offset: -0.298 ms
Remote clock offset: -0.115 ms

# Below is generated by plot.py at 2019-07-13 08:04:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 424.70 Mbit/s
95th percentile per-packet one-way delay: 179.728 ms
Loss rate: 3.70%
-- Flow 1:
Average throughput: 239.48 Mbit/s
95th percentile per-packet one-way delay: 76.837 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 250.63 Mbit/s
95th percentile per-packet one-way delay: 186.858 ms
Loss rate: 8.33%
-- Flow 3:
Average throughput: 57.66 Mbit/s
95th percentile per-packet one-way delay: 57.456 ms
Loss rate: 1.87%
```

Run 5: Report of PCC-Expr — Data Link

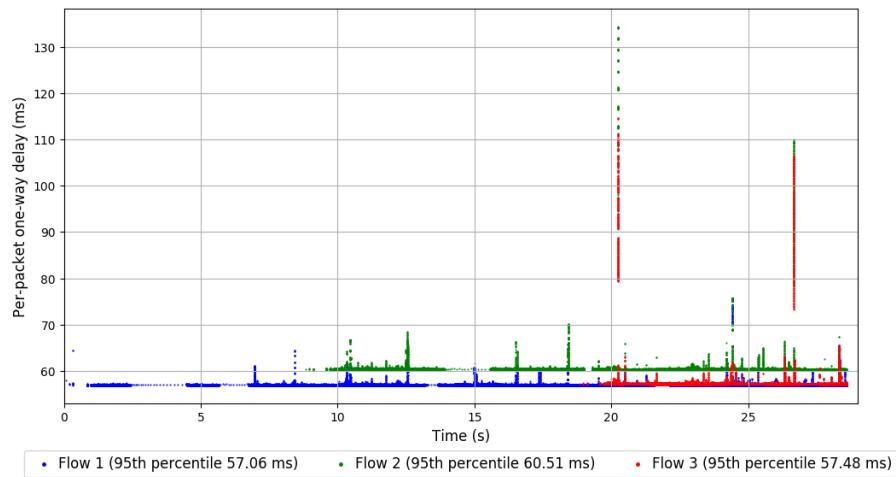
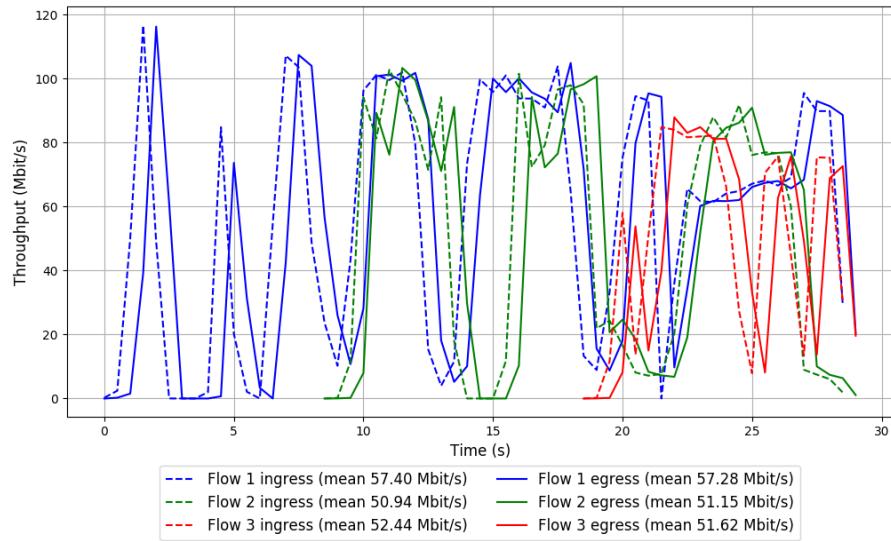


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-07-13 02:14:35
End at: 2019-07-13 02:15:05
Local clock offset: 0.101 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2019-07-13 08:04:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 110.34 Mbit/s
95th percentile per-packet one-way delay: 60.411 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 57.28 Mbit/s
95th percentile per-packet one-way delay: 57.063 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 51.15 Mbit/s
95th percentile per-packet one-way delay: 60.510 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 51.62 Mbit/s
95th percentile per-packet one-way delay: 57.478 ms
Loss rate: 2.73%
```

Run 1: Report of QUIC Cubic — Data Link

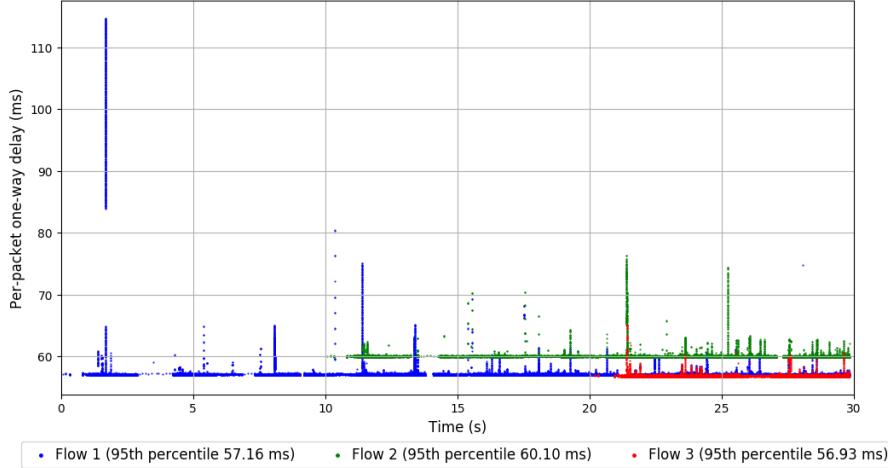
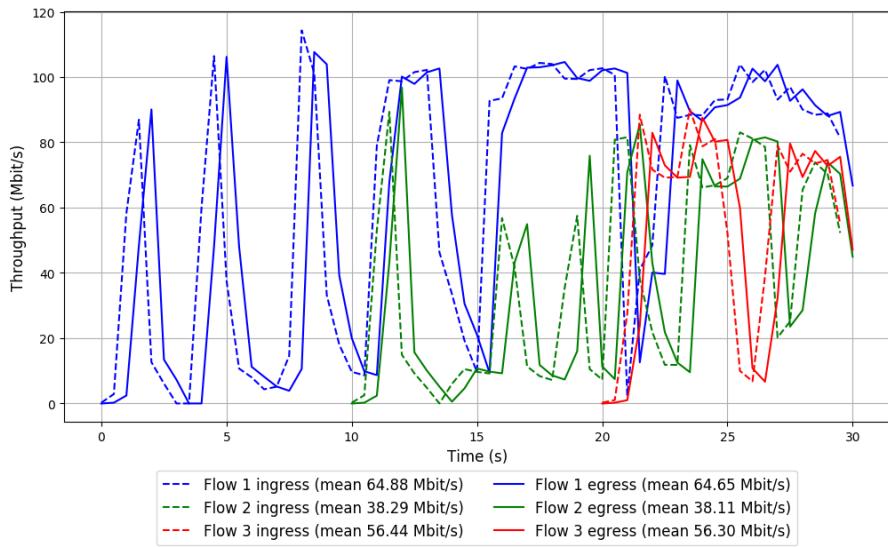


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-07-13 02:55:01
End at: 2019-07-13 02:55:31
Local clock offset: -0.113 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2019-07-13 08:04:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 108.41 Mbit/s
95th percentile per-packet one-way delay: 60.025 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 64.65 Mbit/s
95th percentile per-packet one-way delay: 57.163 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 60.098 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 56.30 Mbit/s
95th percentile per-packet one-way delay: 56.931 ms
Loss rate: 1.41%
```

Run 2: Report of QUIC Cubic — Data Link

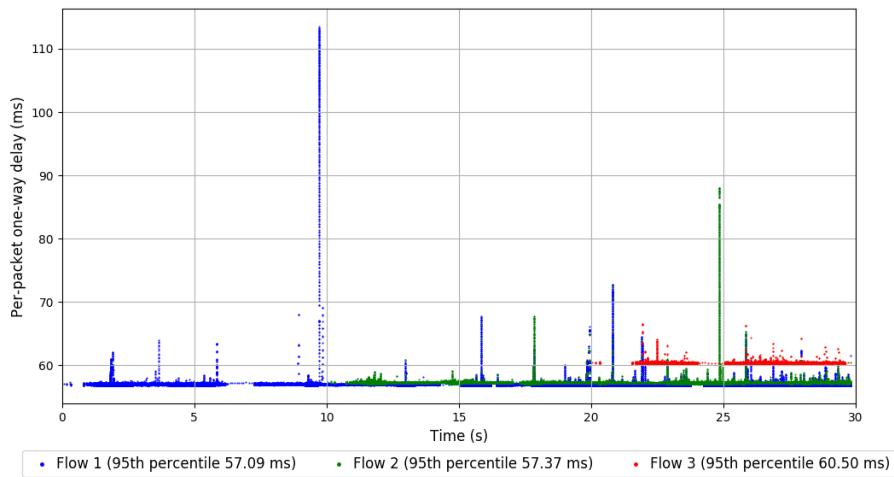
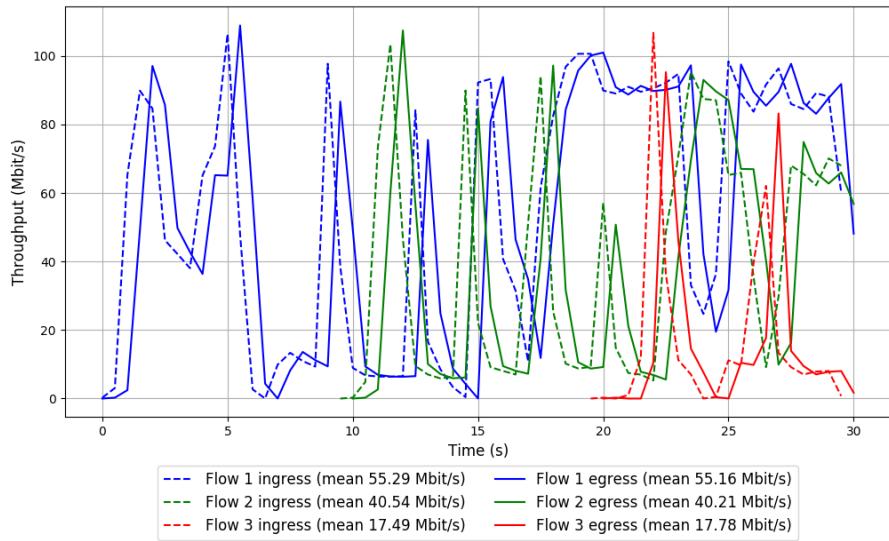


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-07-13 03:35:47
End at: 2019-07-13 03:36:17
Local clock offset: -0.403 ms
Remote clock offset: -0.546 ms

# Below is generated by plot.py at 2019-07-13 08:04:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.66 Mbit/s
95th percentile per-packet one-way delay: 60.353 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 55.16 Mbit/s
95th percentile per-packet one-way delay: 57.091 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 57.373 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 17.78 Mbit/s
95th percentile per-packet one-way delay: 60.496 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

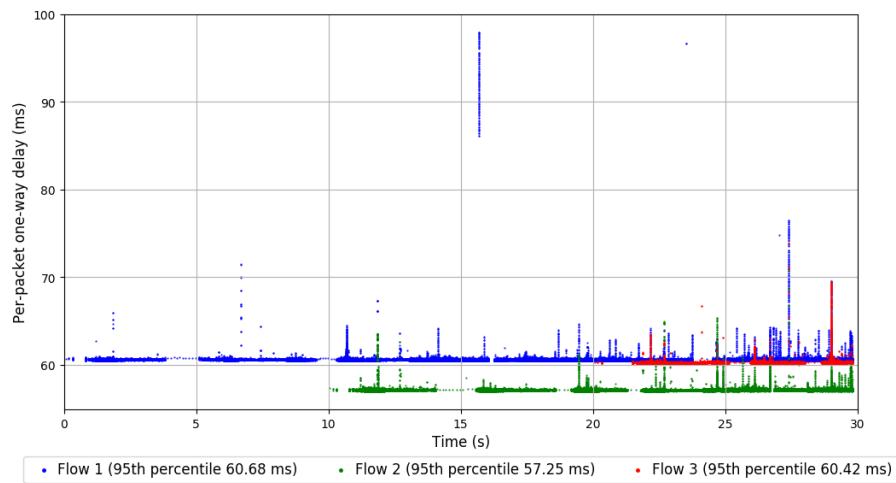
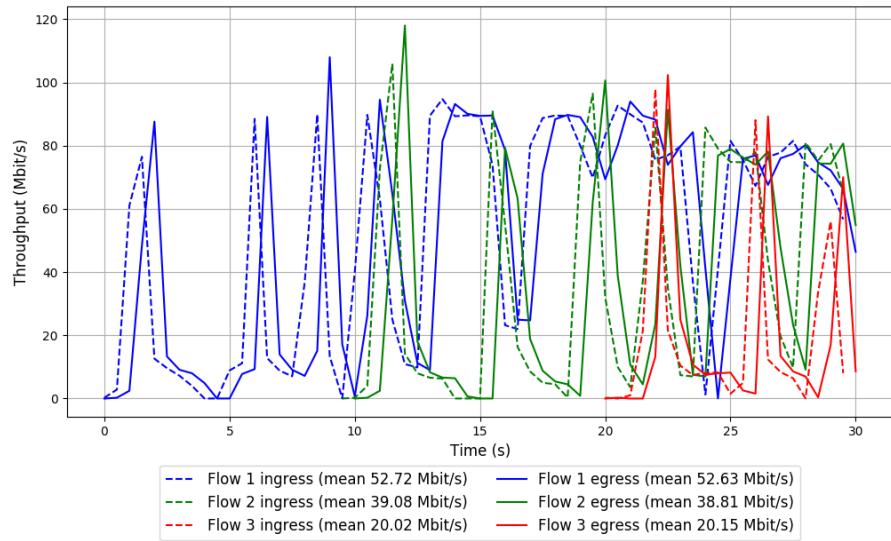


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-07-13 04:16:56
End at: 2019-07-13 04:17:26
Local clock offset: 0.111 ms
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2019-07-13 08:04:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.03 Mbit/s
95th percentile per-packet one-way delay: 60.654 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 52.63 Mbit/s
95th percentile per-packet one-way delay: 60.681 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 38.81 Mbit/s
95th percentile per-packet one-way delay: 57.246 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 20.15 Mbit/s
95th percentile per-packet one-way delay: 60.419 ms
Loss rate: 0.55%
```

Run 4: Report of QUIC Cubic — Data Link

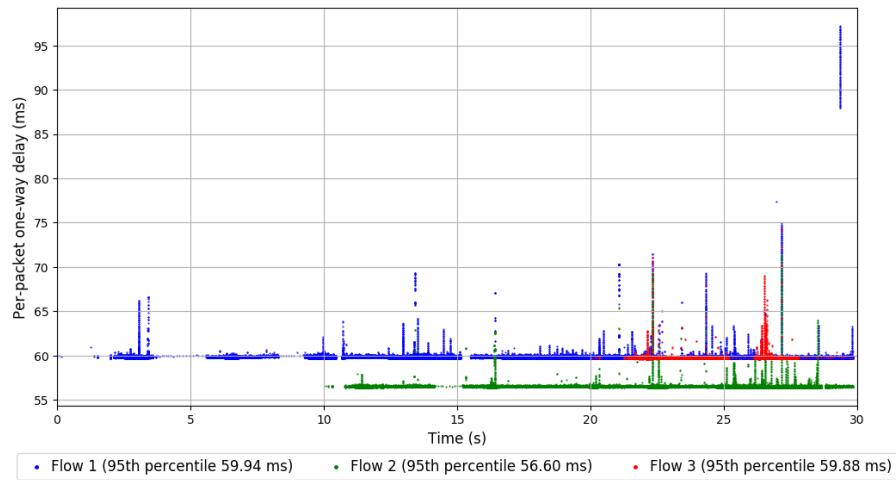
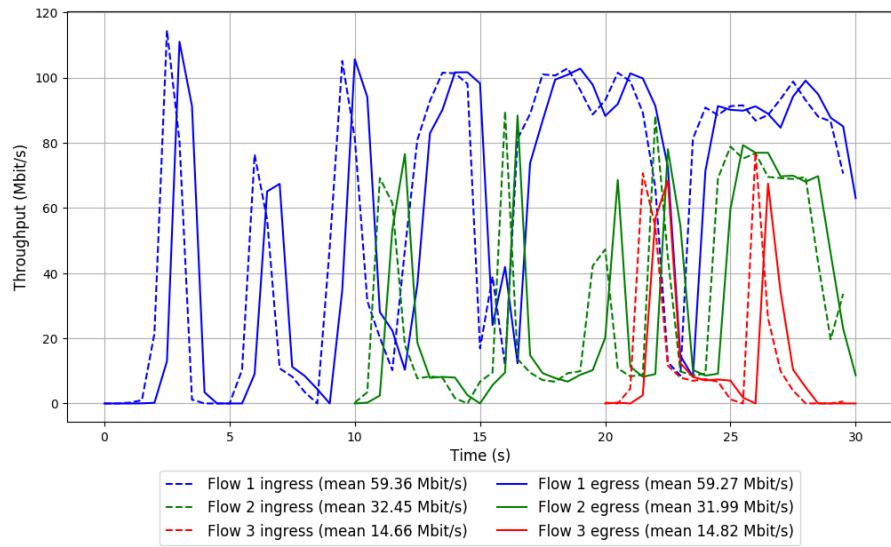


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-07-13 04:58:12
End at: 2019-07-13 04:58:42
Local clock offset: -0.486 ms
Remote clock offset: -0.127 ms

# Below is generated by plot.py at 2019-07-13 08:04:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 59.919 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 59.27 Mbit/s
95th percentile per-packet one-way delay: 59.938 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 31.99 Mbit/s
95th percentile per-packet one-way delay: 56.602 ms
Loss rate: 2.04%
-- Flow 3:
Average throughput: 14.82 Mbit/s
95th percentile per-packet one-way delay: 59.880 ms
Loss rate: 0.22%
```

Run 5: Report of QUIC Cubic — Data Link

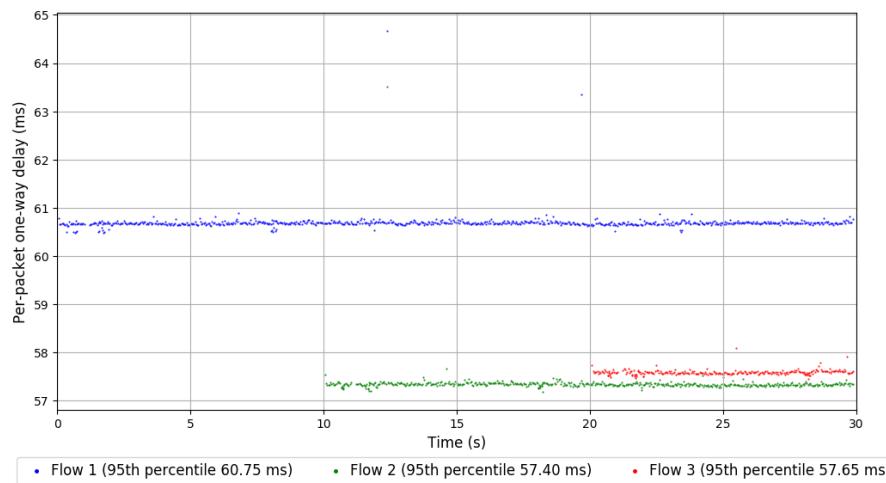
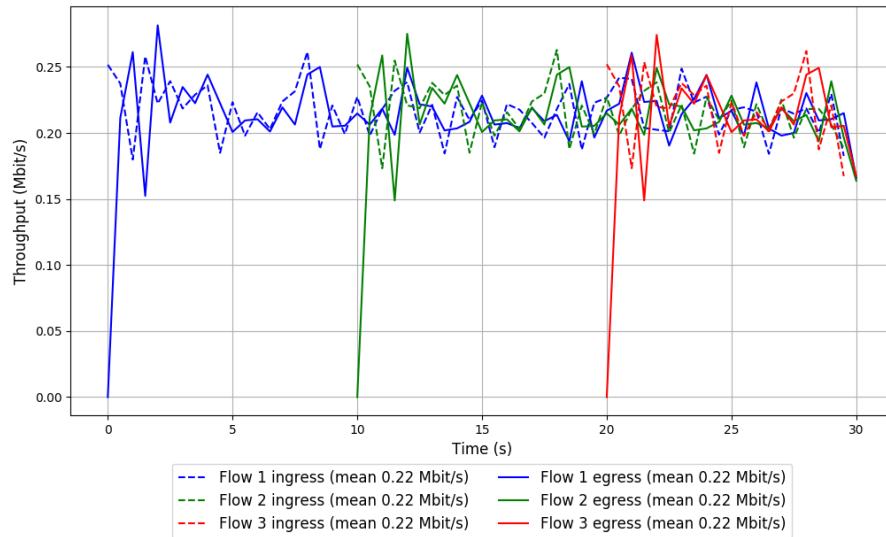


Run 1: Statistics of SCReAM

```
Start at: 2019-07-13 02:01:13
End at: 2019-07-13 02:01:43
Local clock offset: 0.184 ms
Remote clock offset: -0.228 ms

# Below is generated by plot.py at 2019-07-13 08:04:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 60.727 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.751 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.400 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.648 ms
Loss rate: 0.74%
```

Run 1: Report of SCReAM — Data Link

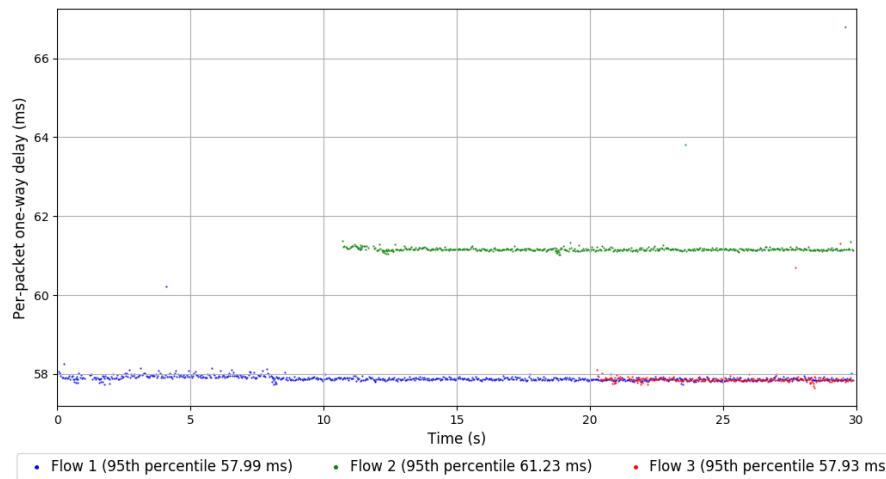
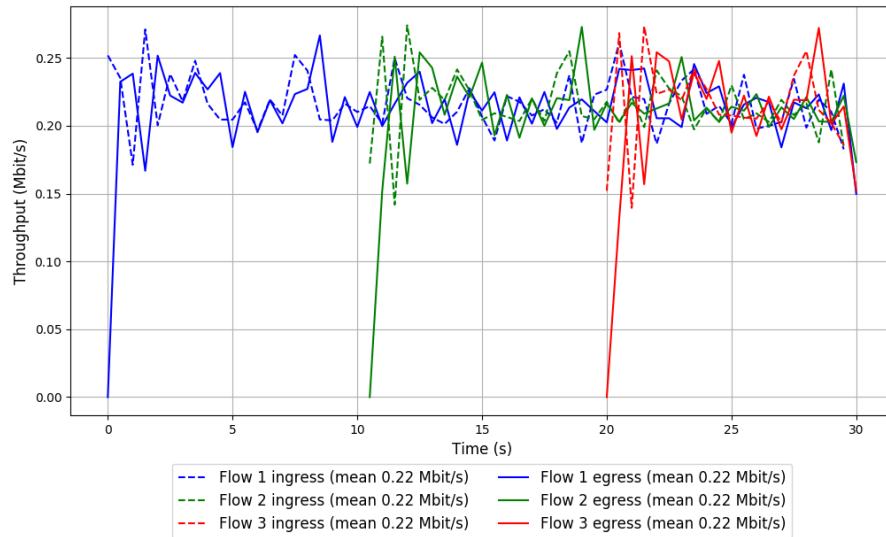


Run 2: Statistics of SCReAM

```
Start at: 2019-07-13 02:41:57
End at: 2019-07-13 02:42:27
Local clock offset: -0.33 ms
Remote clock offset: -0.828 ms

# Below is generated by plot.py at 2019-07-13 08:04:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 61.188 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.991 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.230 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.929 ms
Loss rate: 1.17%
```

Run 2: Report of SCReAM — Data Link

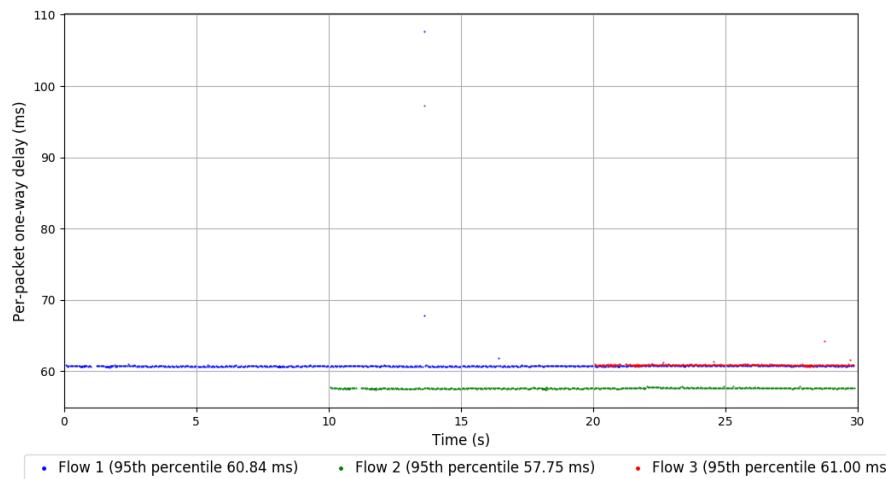
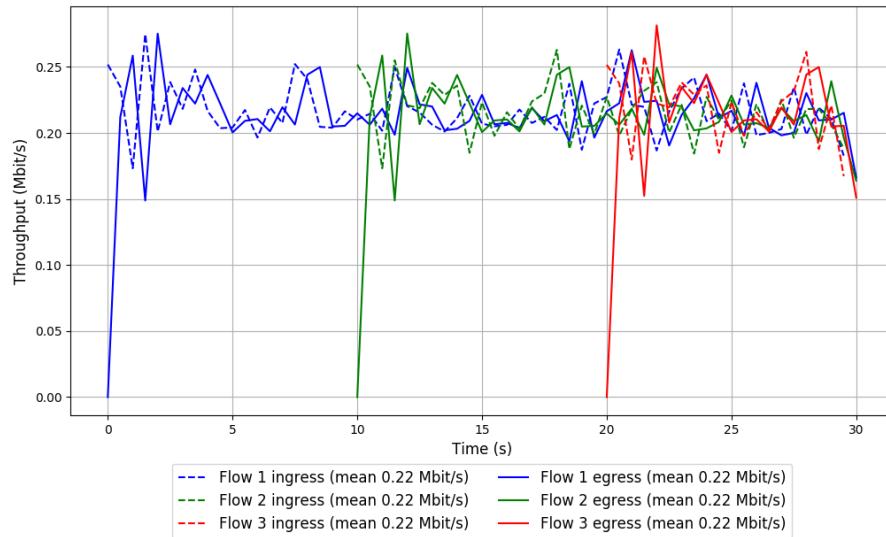


Run 3: Statistics of SCReAM

```
Start at: 2019-07-13 03:22:43
End at: 2019-07-13 03:23:13
Local clock offset: 0.142 ms
Remote clock offset: -0.311 ms

# Below is generated by plot.py at 2019-07-13 08:04:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 60.920 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.838 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.749 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.000 ms
Loss rate: 1.10%
```

Run 3: Report of SCReAM — Data Link

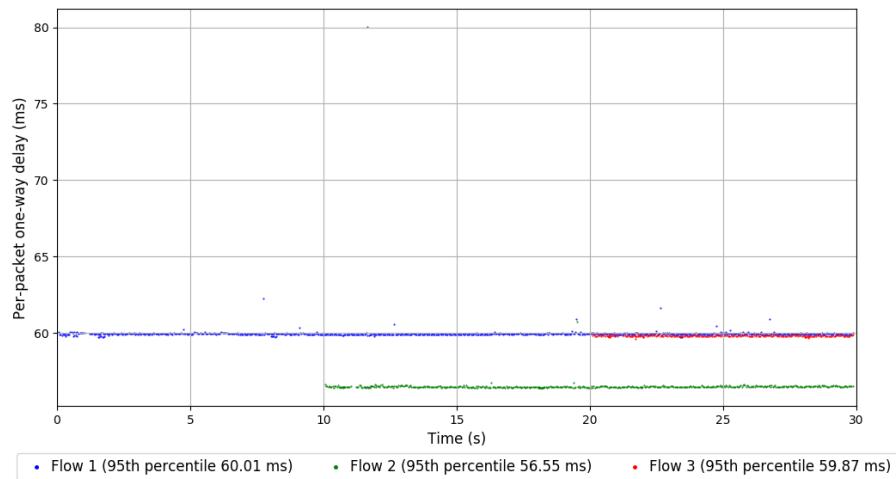
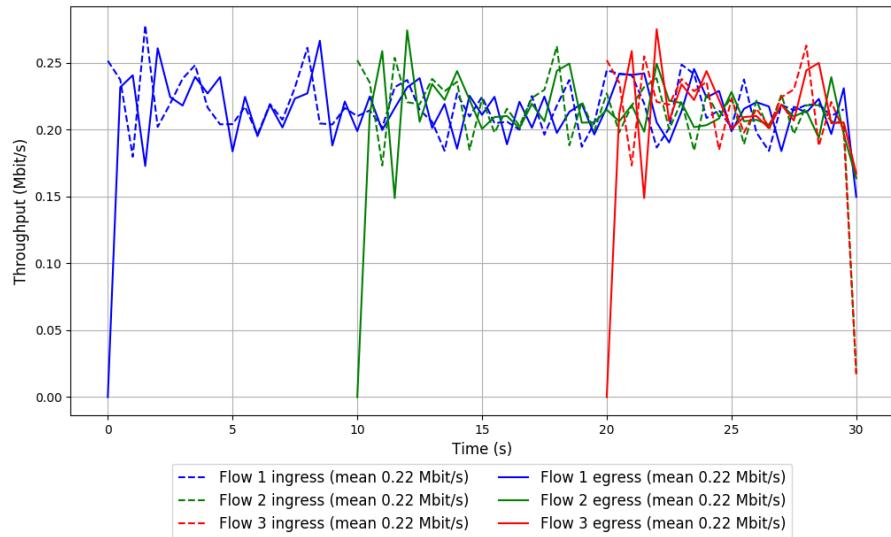


Run 4: Statistics of SCReAM

```
Start at: 2019-07-13 04:03:30
End at: 2019-07-13 04:04:00
Local clock offset: -0.552 ms
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2019-07-13 08:04:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 59.976 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.007 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.548 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.870 ms
Loss rate: 1.83%
```

Run 4: Report of SCReAM — Data Link

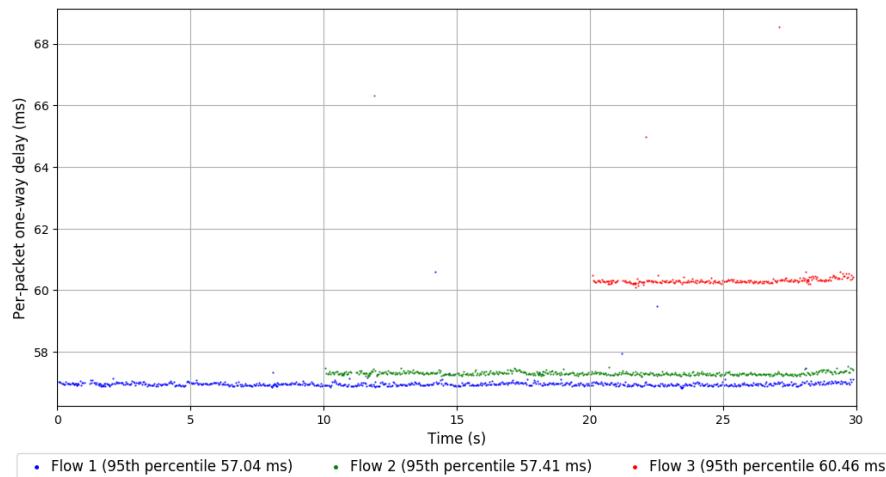
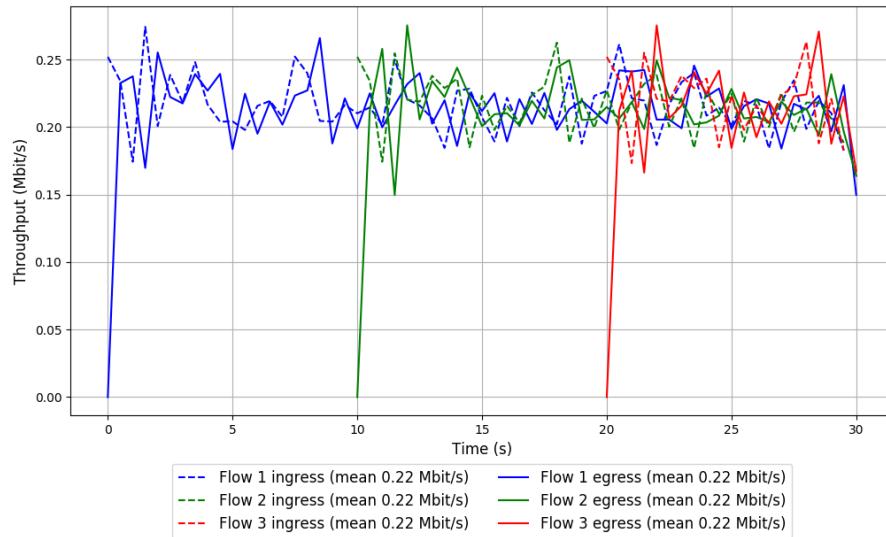


Run 5: Statistics of SCReAM

```
Start at: 2019-07-13 04:44:44
End at: 2019-07-13 04:45:14
Local clock offset: -0.082 ms
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2019-07-13 08:04:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 60.323 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.040 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.413 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.461 ms
Loss rate: 1.08%
```

Run 5: Report of SCReAM — Data Link

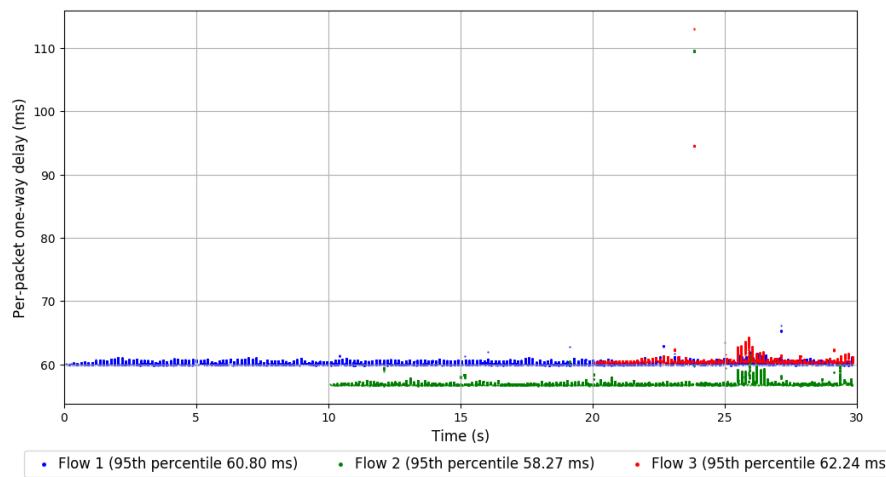
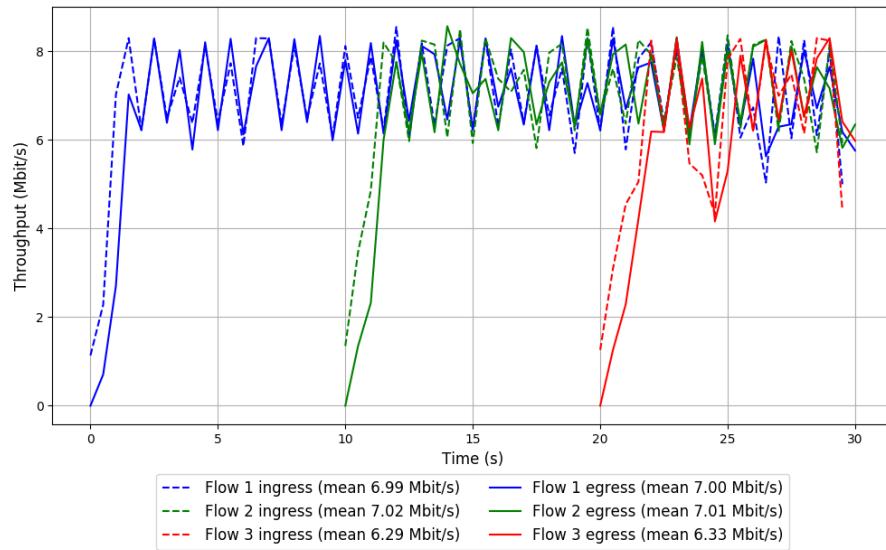


Run 1: Statistics of Sprout

```
Start at: 2019-07-13 02:19:32
End at: 2019-07-13 02:20:02
Local clock offset: -0.354 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2019-07-13 08:04:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.73 Mbit/s
95th percentile per-packet one-way delay: 60.906 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 7.00 Mbit/s
95th percentile per-packet one-way delay: 60.796 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 58.266 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 6.33 Mbit/s
95th percentile per-packet one-way delay: 62.239 ms
Loss rate: 0.21%
```

Run 1: Report of Sprout — Data Link

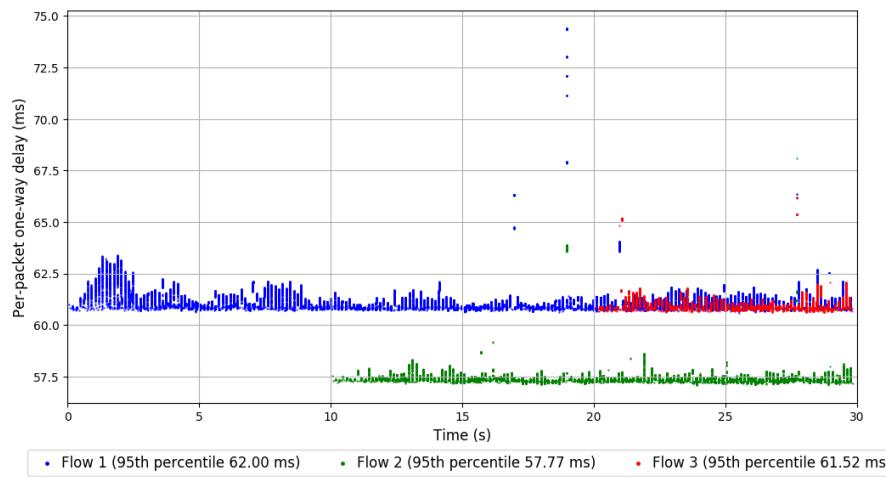
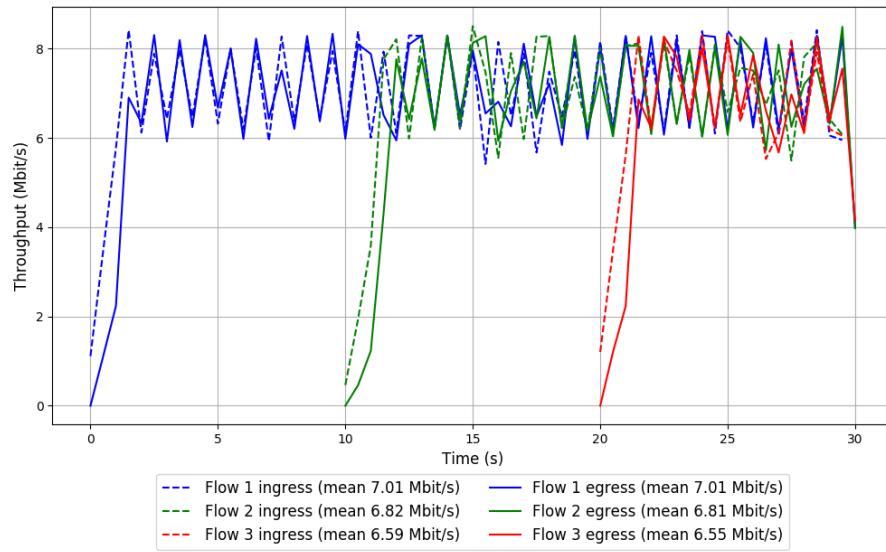


Run 2: Statistics of Sprout

```
Start at: 2019-07-13 03:00:07
End at: 2019-07-13 03:00:37
Local clock offset: 0.18 ms
Remote clock offset: 0.058 ms

# Below is generated by plot.py at 2019-07-13 08:04:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.67 Mbit/s
95th percentile per-packet one-way delay: 61.730 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 61.999 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 57.768 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 61.522 ms
Loss rate: 1.60%
```

Run 2: Report of Sprout — Data Link

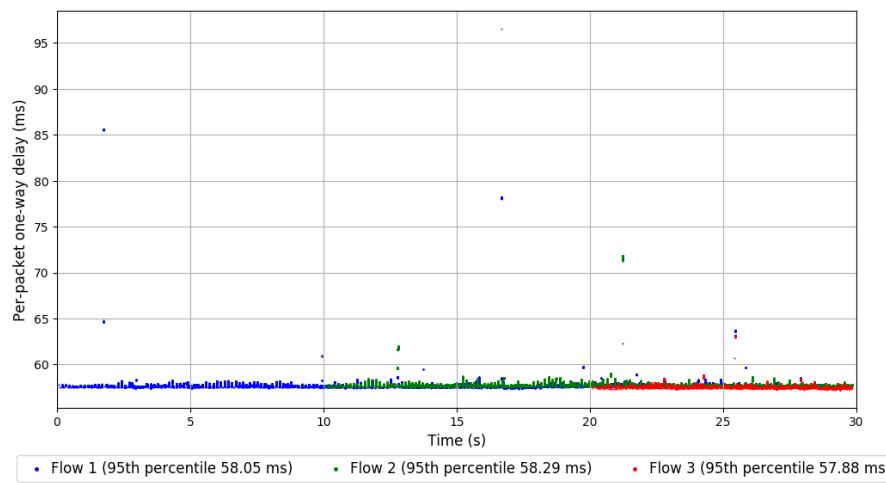
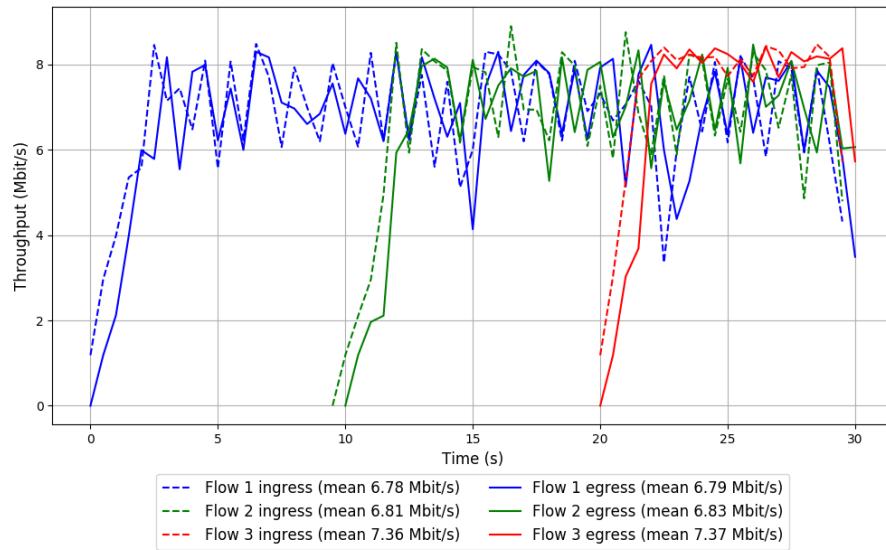


Run 3: Statistics of Sprout

```
Start at: 2019-07-13 03:40:40
End at: 2019-07-13 03:41:10
Local clock offset: -0.097 ms
Remote clock offset: -0.433 ms

# Below is generated by plot.py at 2019-07-13 08:04:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.72 Mbit/s
95th percentile per-packet one-way delay: 58.134 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 58.045 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 58.294 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 57.875 ms
Loss rate: 1.21%
```

Run 3: Report of Sprout — Data Link

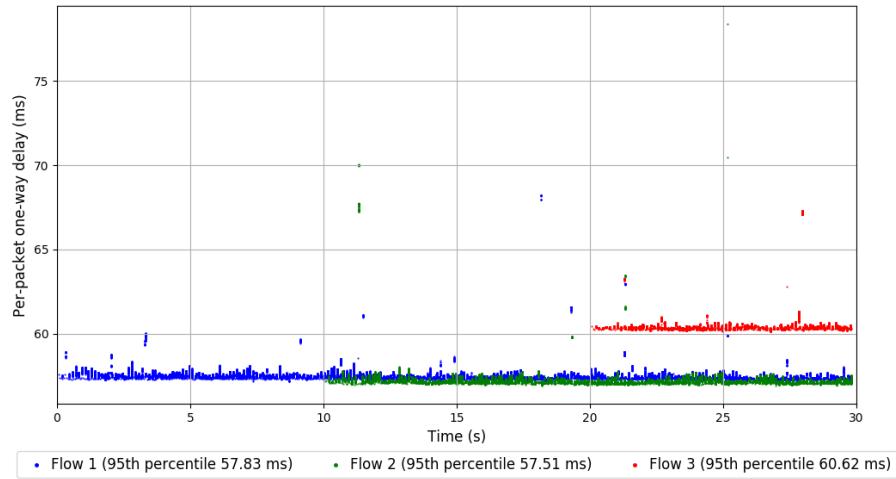
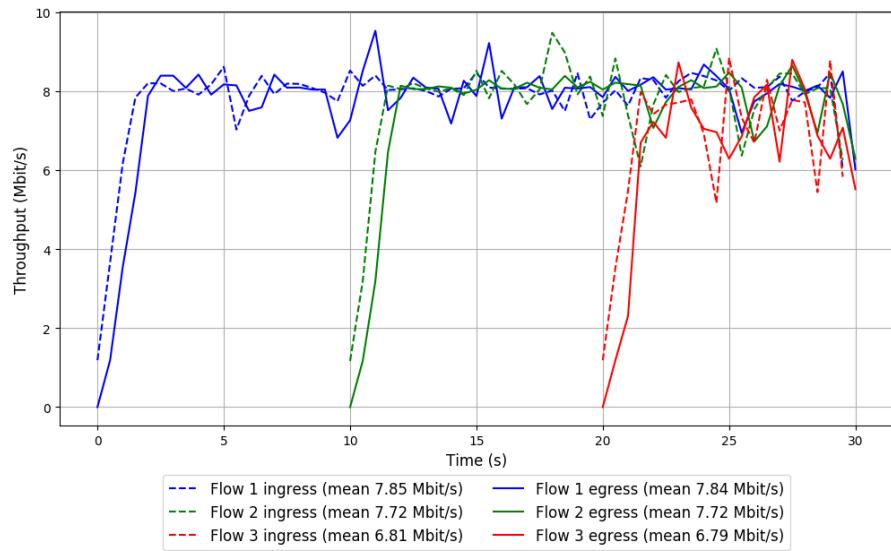


Run 4: Statistics of Sprout

```
Start at: 2019-07-13 04:22:01
End at: 2019-07-13 04:22:31
Local clock offset: -0.069 ms
Remote clock offset: -0.171 ms

# Below is generated by plot.py at 2019-07-13 08:04:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 60.402 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 7.84 Mbit/s
95th percentile per-packet one-way delay: 57.832 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 57.513 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 60.623 ms
Loss rate: 1.50%
```

Run 4: Report of Sprout — Data Link

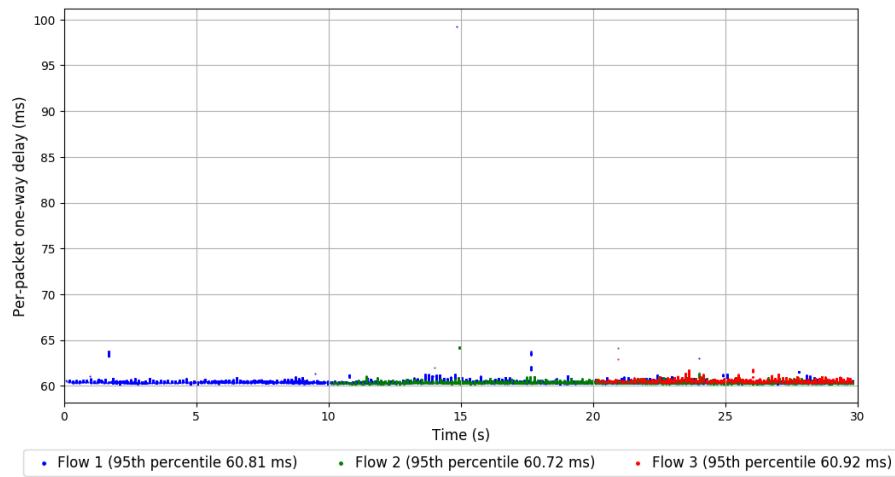
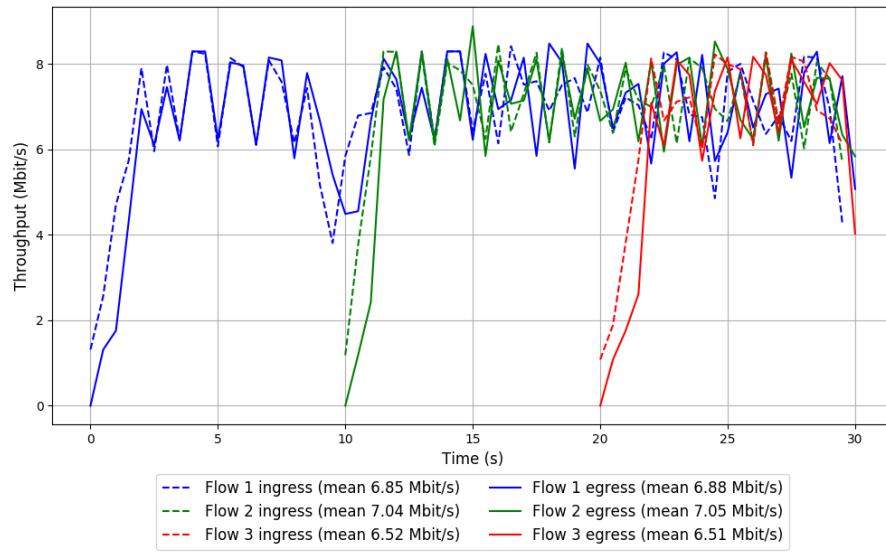


Run 5: Statistics of Sprout

```
Start at: 2019-07-13 05:03:11
End at: 2019-07-13 05:03:41
Local clock offset: -0.109 ms
Remote clock offset: -0.181 ms

# Below is generated by plot.py at 2019-07-13 08:04:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.69 Mbit/s
95th percentile per-packet one-way delay: 60.806 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 60.806 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 60.715 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 60.922 ms
Loss rate: 1.64%
```

Run 5: Report of Sprout — Data Link

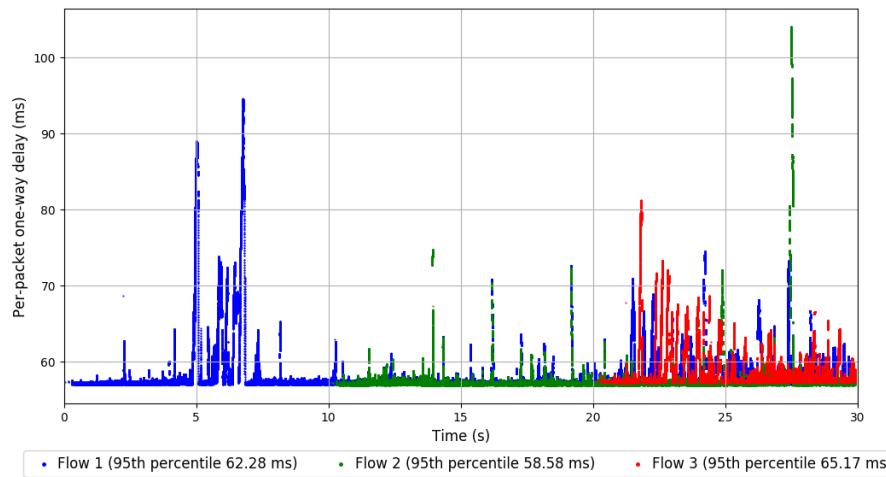
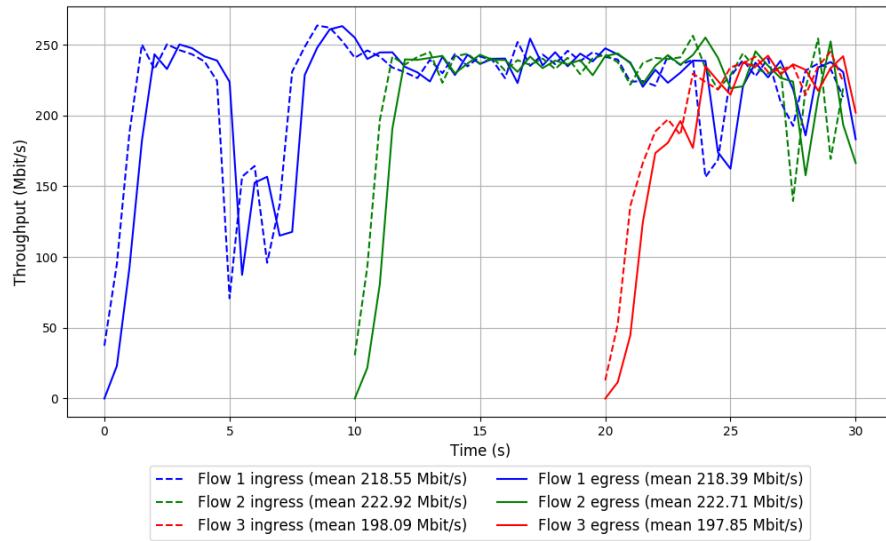


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-07-13 01:51:48
End at: 2019-07-13 01:52:18
Local clock offset: 0.244 ms
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2019-07-13 08:11:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 431.54 Mbit/s
95th percentile per-packet one-way delay: 62.067 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 218.39 Mbit/s
95th percentile per-packet one-way delay: 62.279 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 222.71 Mbit/s
95th percentile per-packet one-way delay: 58.580 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 197.85 Mbit/s
95th percentile per-packet one-way delay: 65.172 ms
Loss rate: 1.32%
```

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

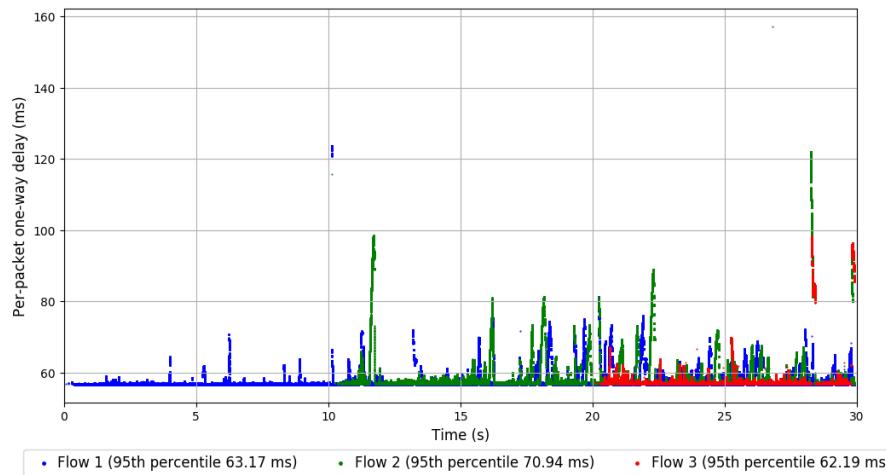
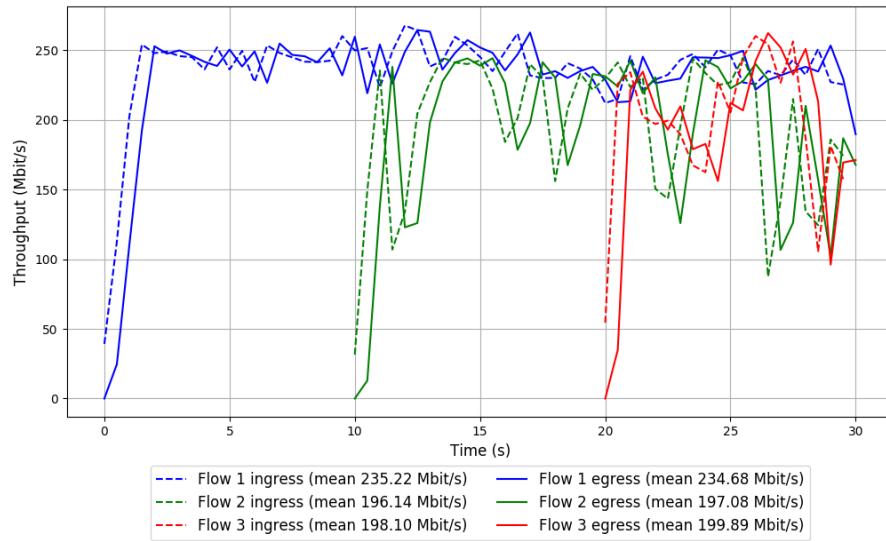


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-07-13 02:32:46
End at: 2019-07-13 02:33:16
Local clock offset: -0.323 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2019-07-13 08:11:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 431.10 Mbit/s
95th percentile per-packet one-way delay: 65.482 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 234.68 Mbit/s
95th percentile per-packet one-way delay: 63.167 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 197.08 Mbit/s
95th percentile per-packet one-way delay: 70.939 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 199.89 Mbit/s
95th percentile per-packet one-way delay: 62.189 ms
Loss rate: 0.29%
```

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

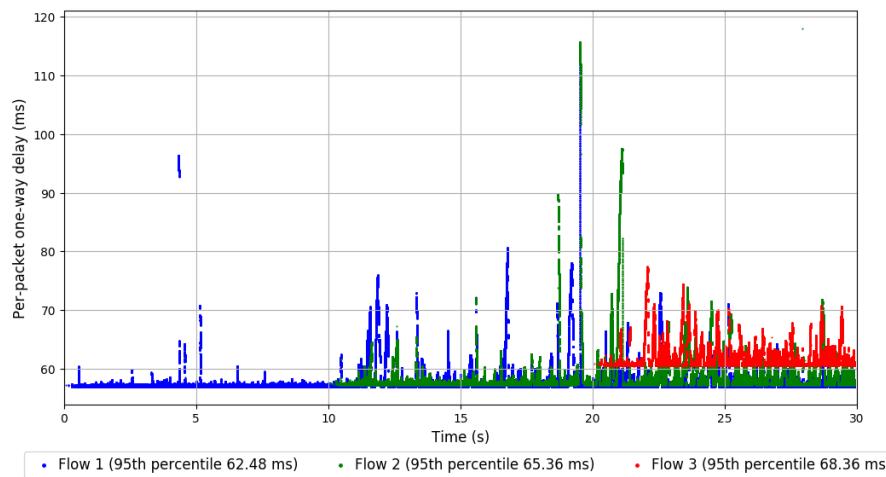
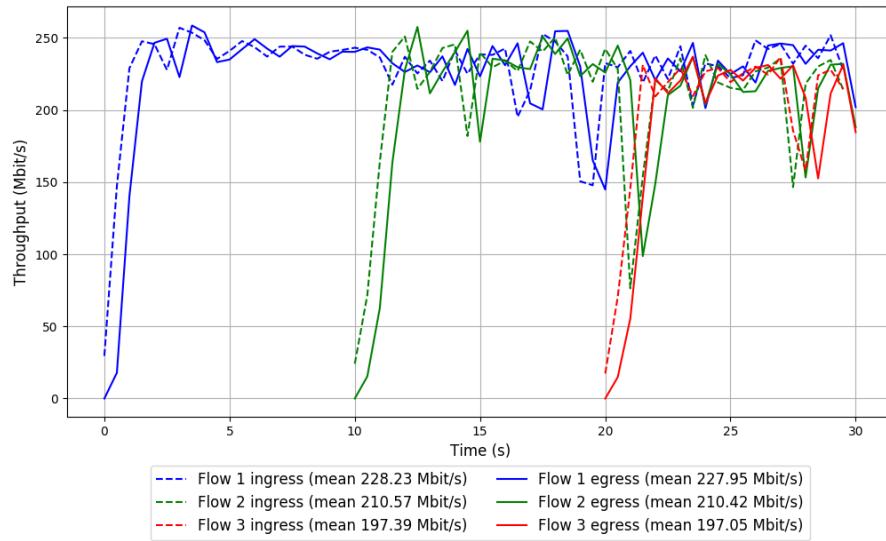


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-07-13 03:13:22
End at: 2019-07-13 03:13:52
Local clock offset: 0.02 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2019-07-13 08:12:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 432.79 Mbit/s
95th percentile per-packet one-way delay: 65.392 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 227.95 Mbit/s
95th percentile per-packet one-way delay: 62.482 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 210.42 Mbit/s
95th percentile per-packet one-way delay: 65.362 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 197.05 Mbit/s
95th percentile per-packet one-way delay: 68.356 ms
Loss rate: 1.40%
```

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

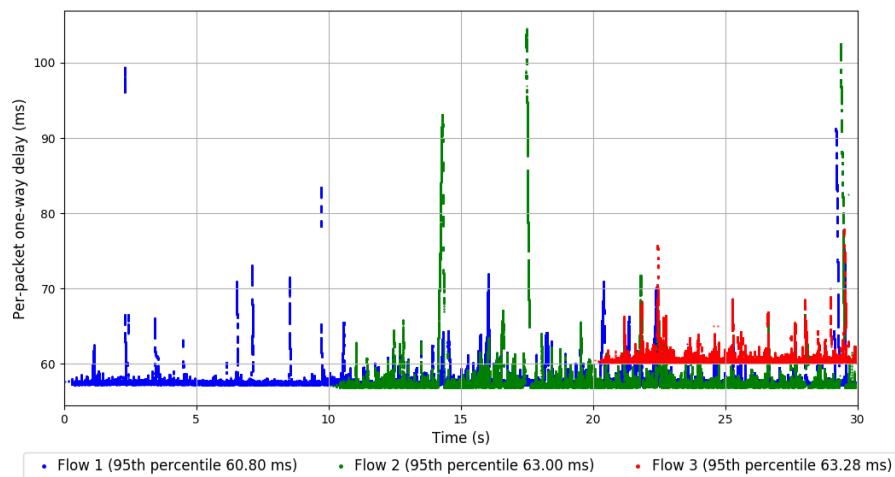
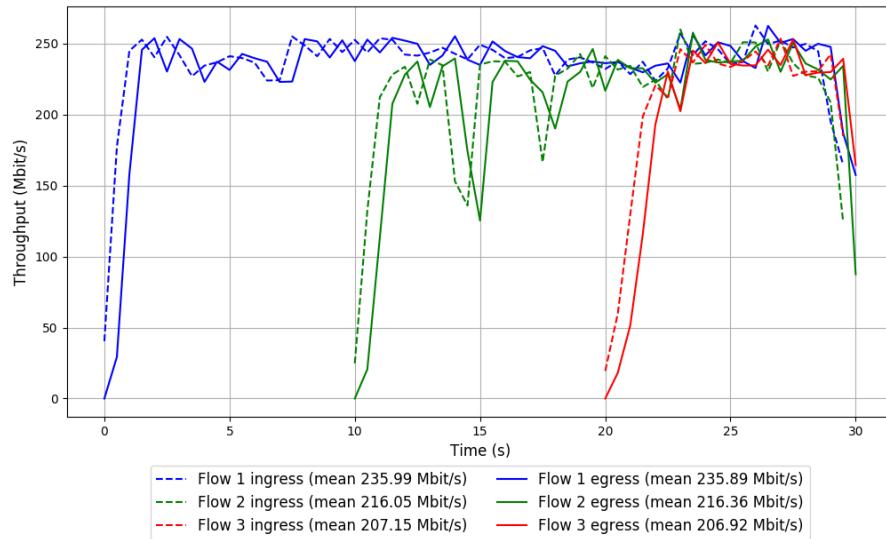


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-07-13 03:53:54
End at: 2019-07-13 03:54:24
Local clock offset: -0.138 ms
Remote clock offset: -0.276 ms

# Below is generated by plot.py at 2019-07-13 08:12:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 447.88 Mbit/s
95th percentile per-packet one-way delay: 62.049 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 235.89 Mbit/s
95th percentile per-packet one-way delay: 60.803 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 216.36 Mbit/s
95th percentile per-packet one-way delay: 63.003 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 206.92 Mbit/s
95th percentile per-packet one-way delay: 63.281 ms
Loss rate: 1.32%
```

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

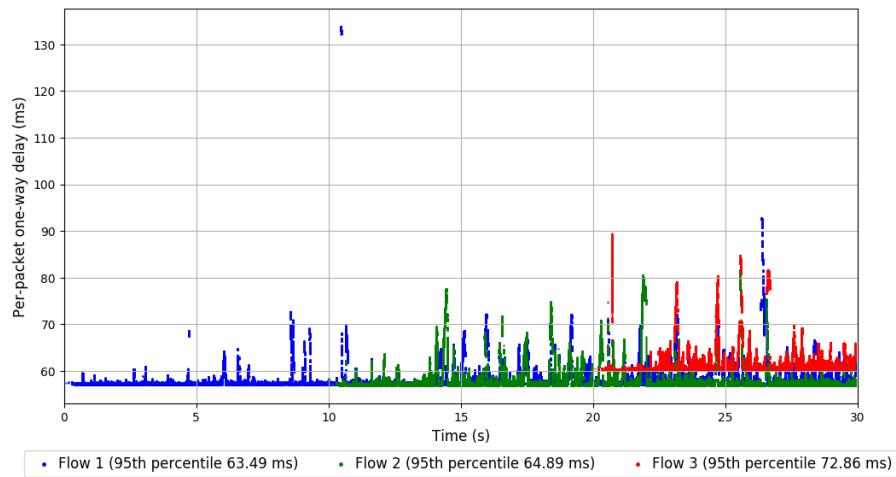
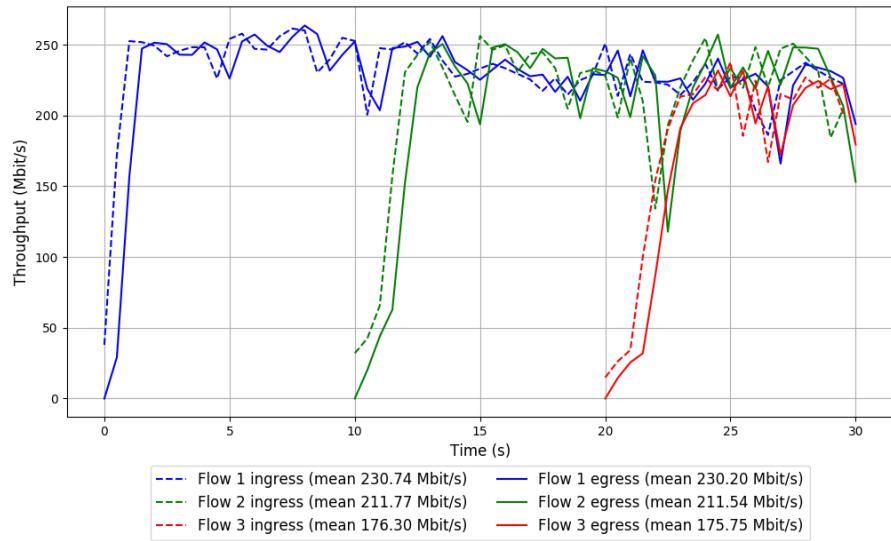


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-07-13 04:35:16
End at: 2019-07-13 04:35:46
Local clock offset: -0.1 ms
Remote clock offset: -0.23 ms

# Below is generated by plot.py at 2019-07-13 08:12:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 428.71 Mbit/s
95th percentile per-packet one-way delay: 64.984 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 230.20 Mbit/s
95th percentile per-packet one-way delay: 63.494 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 211.54 Mbit/s
95th percentile per-packet one-way delay: 64.892 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 175.75 Mbit/s
95th percentile per-packet one-way delay: 72.857 ms
Loss rate: 1.50%
```

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

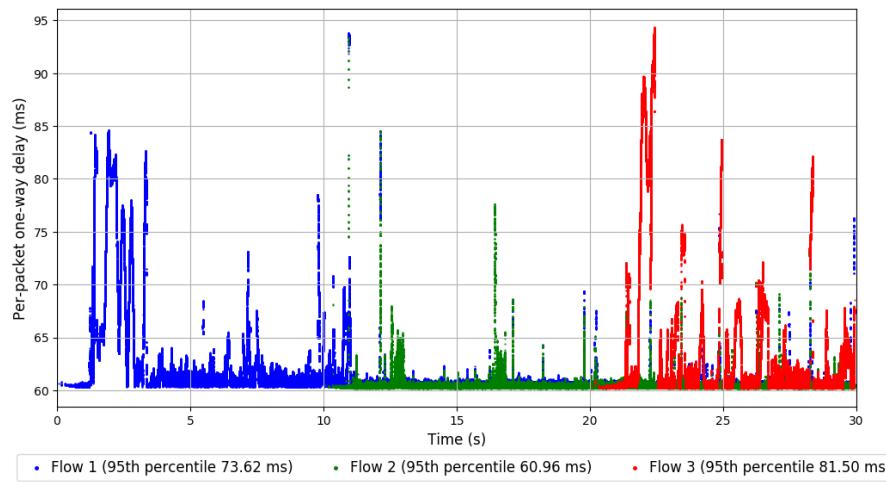
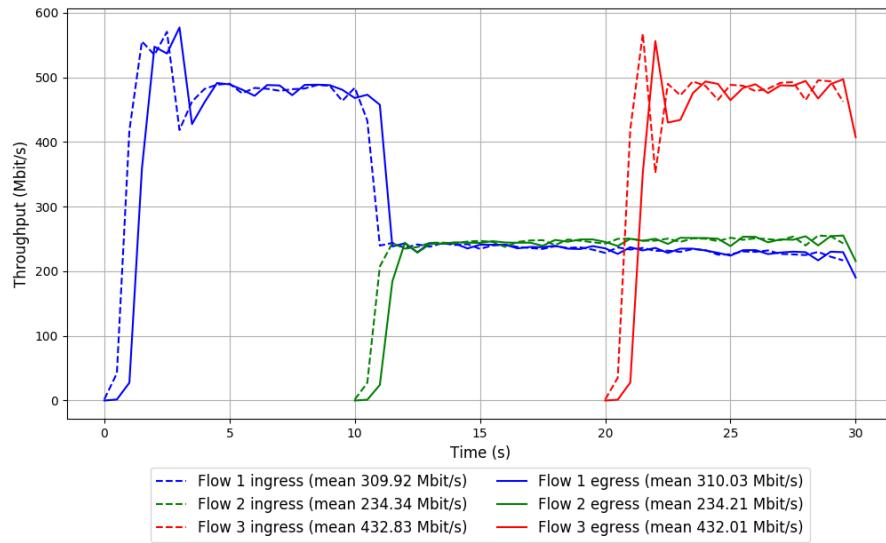


Run 1: Statistics of TCP Vegas

```
Start at: 2019-07-13 01:55:45
End at: 2019-07-13 01:56:15
Local clock offset: -0.474 ms
Remote clock offset: -0.711 ms

# Below is generated by plot.py at 2019-07-13 08:12:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 608.08 Mbit/s
95th percentile per-packet one-way delay: 73.247 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 310.03 Mbit/s
95th percentile per-packet one-way delay: 73.619 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 234.21 Mbit/s
95th percentile per-packet one-way delay: 60.961 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 432.01 Mbit/s
95th percentile per-packet one-way delay: 81.505 ms
Loss rate: 1.35%
```

Run 1: Report of TCP Vegas — Data Link

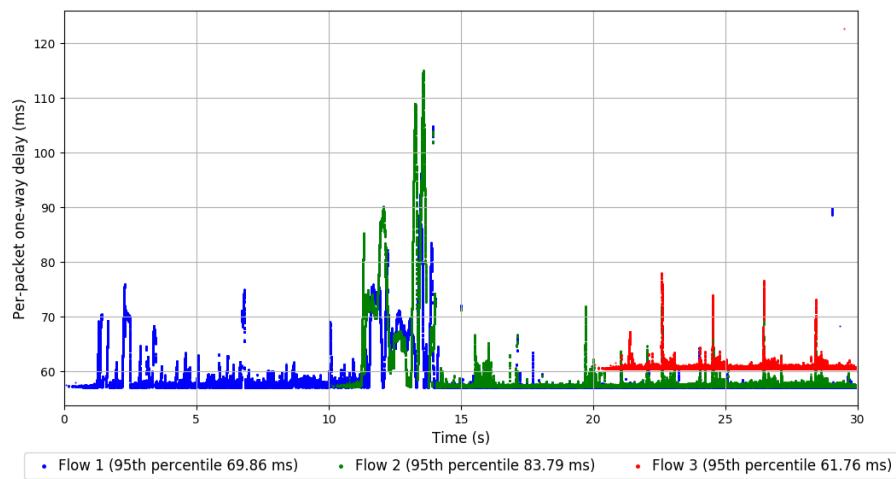
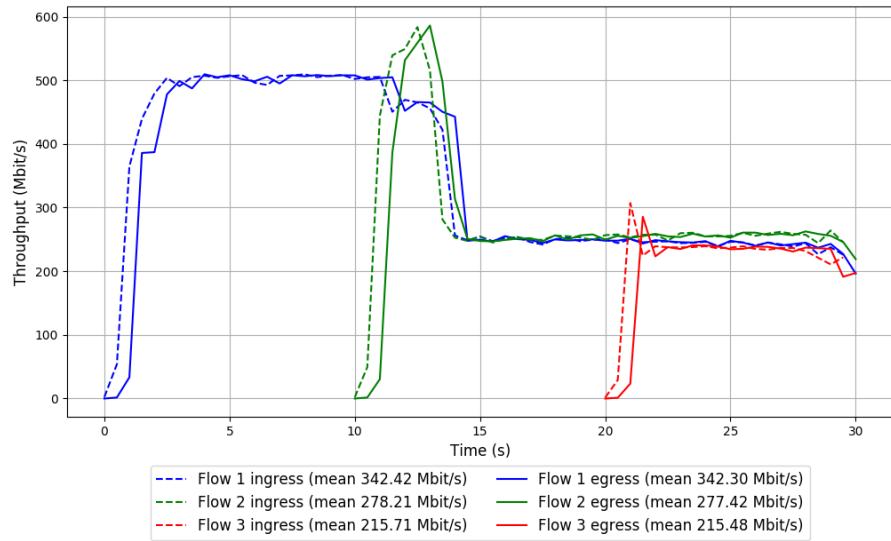


Run 2: Statistics of TCP Vegas

```
Start at: 2019-07-13 02:36:42
End at: 2019-07-13 02:37:12
Local clock offset: -0.073 ms
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2019-07-13 08:13:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 597.65 Mbit/s
95th percentile per-packet one-way delay: 72.254 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 342.30 Mbit/s
95th percentile per-packet one-way delay: 69.861 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 277.42 Mbit/s
95th percentile per-packet one-way delay: 83.790 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 215.48 Mbit/s
95th percentile per-packet one-way delay: 61.755 ms
Loss rate: 1.32%
```

Run 2: Report of TCP Vegas — Data Link

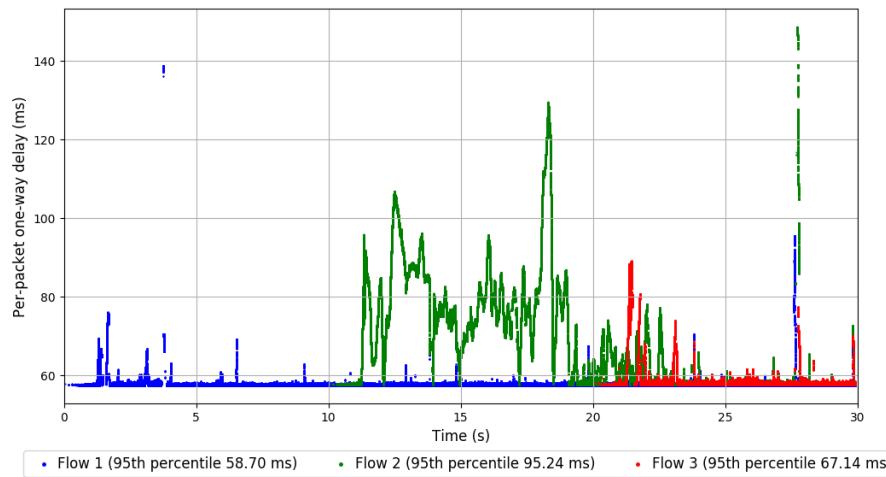
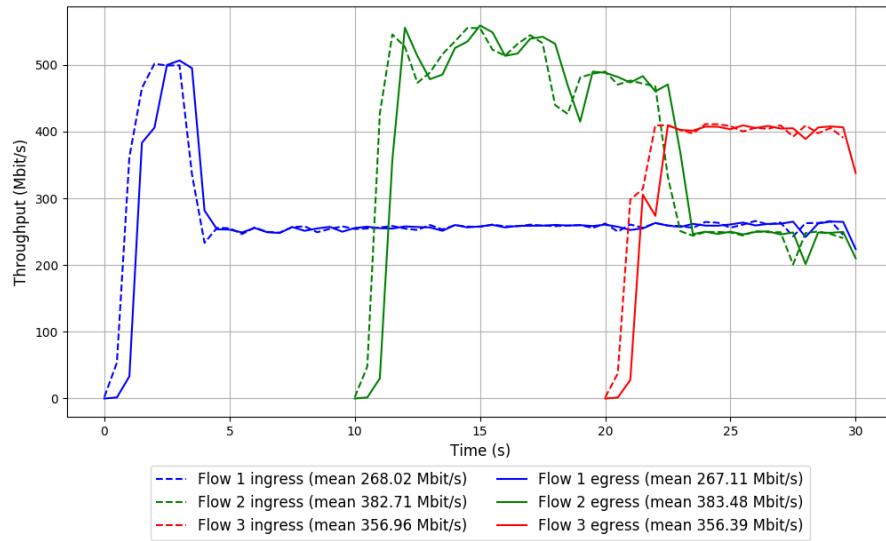


Run 3: Statistics of TCP Vegas

```
Start at: 2019-07-13 03:17:23
End at: 2019-07-13 03:17:53
Local clock offset: -0.314 ms
Remote clock offset: -0.905 ms

# Below is generated by plot.py at 2019-07-13 08:17:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 639.57 Mbit/s
95th percentile per-packet one-way delay: 85.583 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 267.11 Mbit/s
95th percentile per-packet one-way delay: 58.704 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 383.48 Mbit/s
95th percentile per-packet one-way delay: 95.240 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 356.39 Mbit/s
95th percentile per-packet one-way delay: 67.138 ms
Loss rate: 1.34%
```

Run 3: Report of TCP Vegas — Data Link

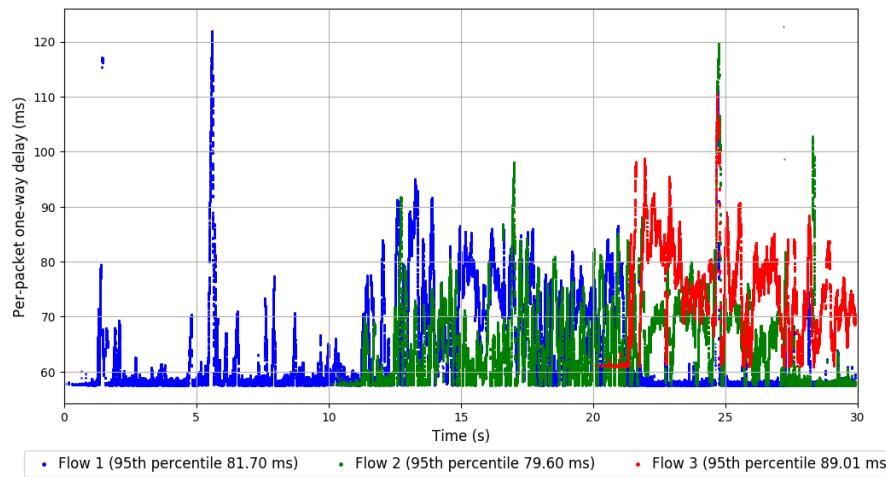
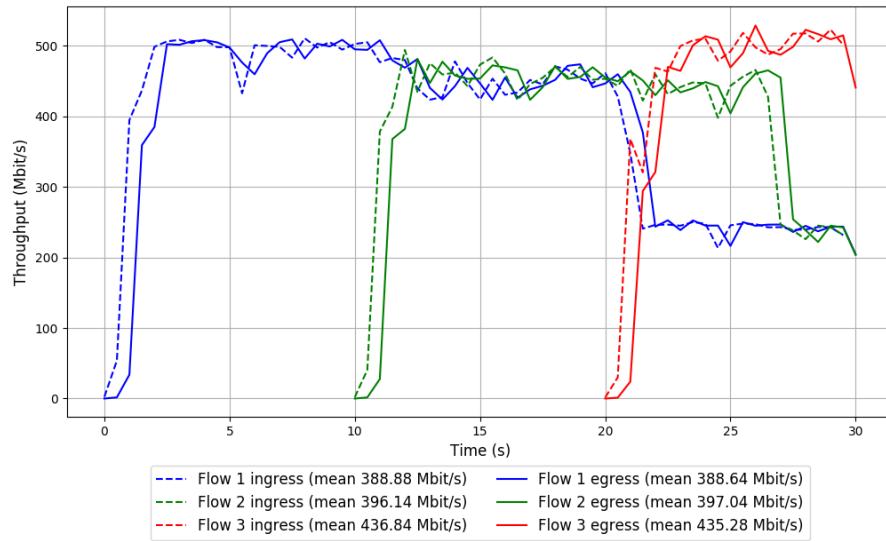


Run 4: Statistics of TCP Vegas

```
Start at: 2019-07-13 03:57:55
End at: 2019-07-13 03:58:25
Local clock offset: -0.147 ms
Remote clock offset: -0.906 ms

# Below is generated by plot.py at 2019-07-13 08:24:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 796.04 Mbit/s
95th percentile per-packet one-way delay: 83.587 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 388.64 Mbit/s
95th percentile per-packet one-way delay: 81.700 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 397.04 Mbit/s
95th percentile per-packet one-way delay: 79.602 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 435.28 Mbit/s
95th percentile per-packet one-way delay: 89.014 ms
Loss rate: 1.56%
```

Run 4: Report of TCP Vegas — Data Link

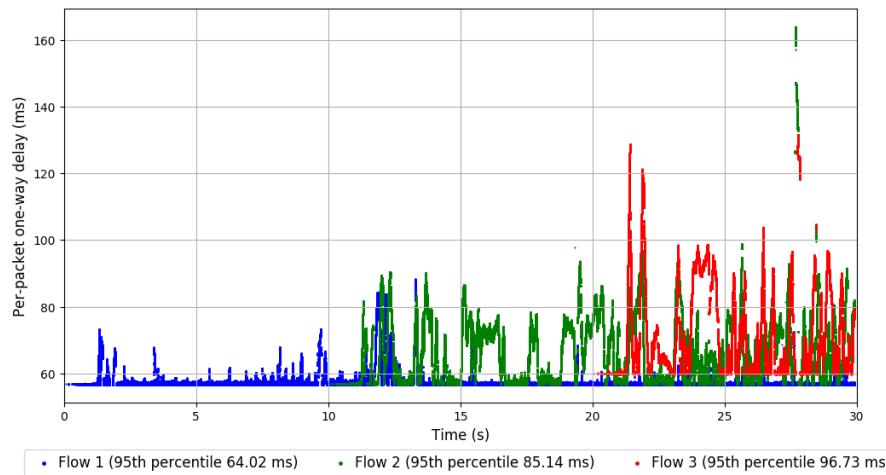
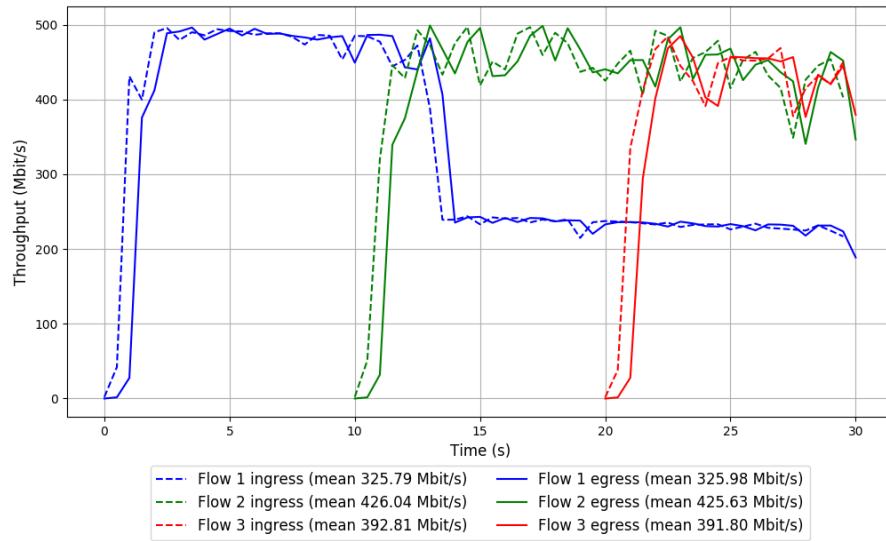


Run 5: Statistics of TCP Vegas

```
Start at: 2019-07-13 04:39:13
End at: 2019-07-13 04:39:43
Local clock offset: -0.258 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2019-07-13 08:25:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 738.12 Mbit/s
95th percentile per-packet one-way delay: 86.464 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 325.98 Mbit/s
95th percentile per-packet one-way delay: 64.016 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 425.63 Mbit/s
95th percentile per-packet one-way delay: 85.144 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 391.80 Mbit/s
95th percentile per-packet one-way delay: 96.735 ms
Loss rate: 1.45%
```

Run 5: Report of TCP Vegas — Data Link

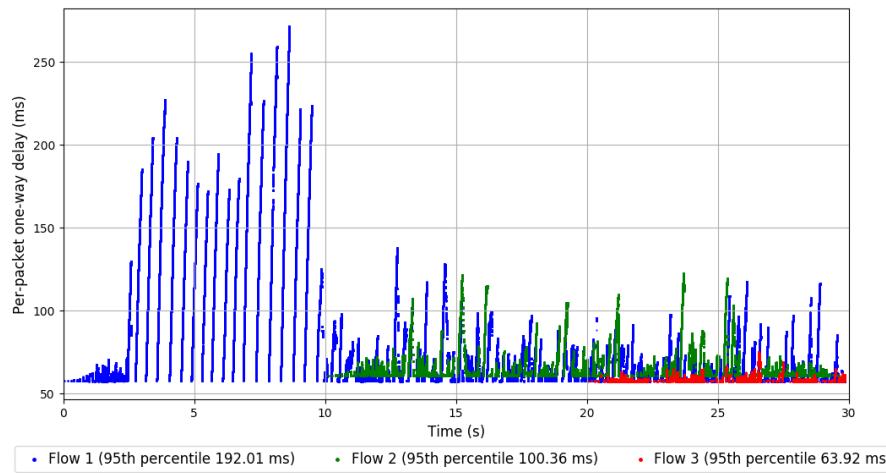
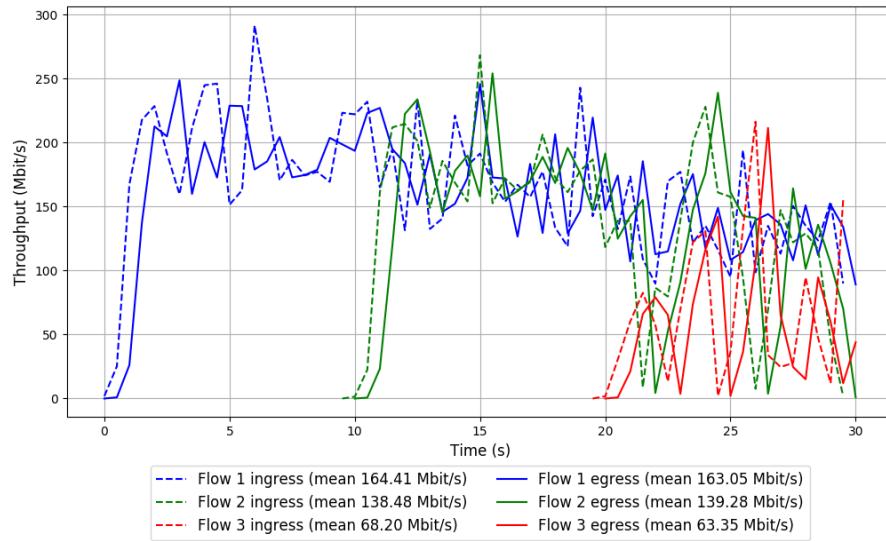


Run 1: Statistics of Verus

```
Start at: 2019-07-13 02:24:21
End at: 2019-07-13 02:24:51
Local clock offset: 0.145 ms
Remote clock offset: -0.152 ms

# Below is generated by plot.py at 2019-07-13 08:25:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 276.10 Mbit/s
95th percentile per-packet one-way delay: 171.745 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 163.05 Mbit/s
95th percentile per-packet one-way delay: 192.010 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 139.28 Mbit/s
95th percentile per-packet one-way delay: 100.364 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 63.35 Mbit/s
95th percentile per-packet one-way delay: 63.921 ms
Loss rate: 8.21%
```

Run 1: Report of Verus — Data Link

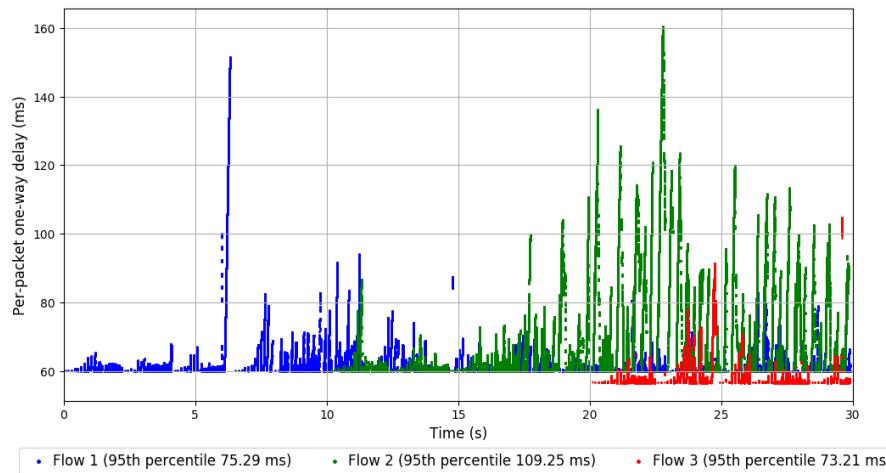
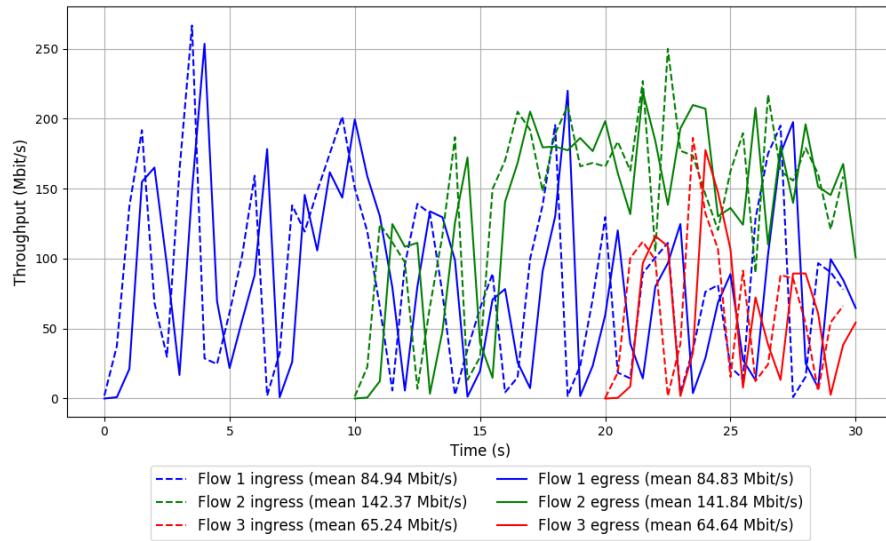


Run 2: Statistics of Verus

```
Start at: 2019-07-13 03:04:57
End at: 2019-07-13 03:05:27
Local clock offset: -0.519 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2019-07-13 08:25:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 199.99 Mbit/s
95th percentile per-packet one-way delay: 101.954 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 75.287 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 141.84 Mbit/s
95th percentile per-packet one-way delay: 109.246 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 64.64 Mbit/s
95th percentile per-packet one-way delay: 73.206 ms
Loss rate: 2.37%
```

Run 2: Report of Verus — Data Link

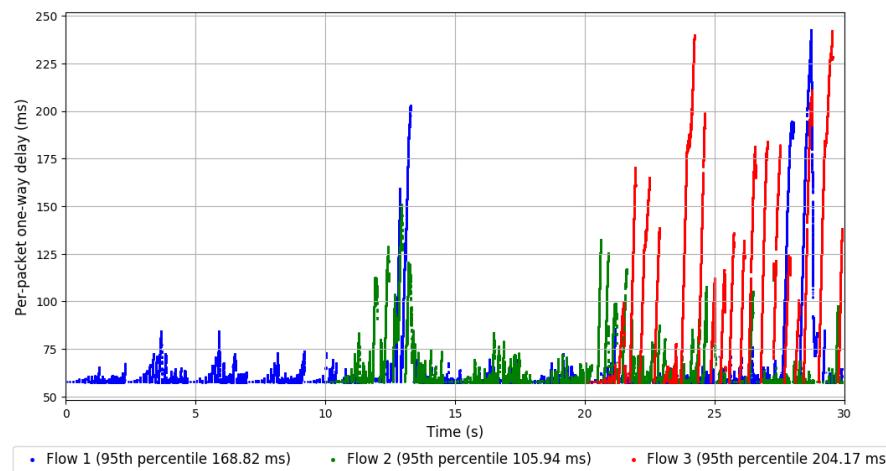
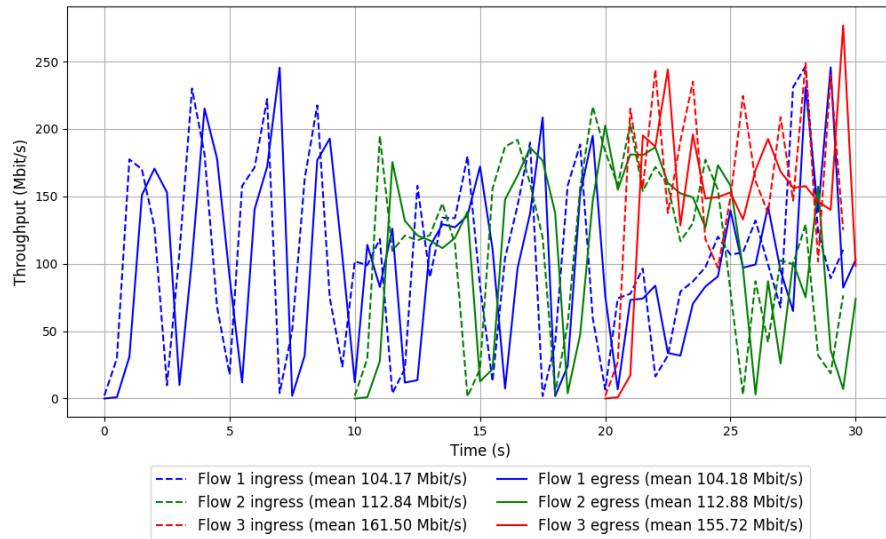


Run 3: Statistics of Verus

```
Start at: 2019-07-13 03:45:29
End at: 2019-07-13 03:45:59
Local clock offset: -0.403 ms
Remote clock offset: -0.854 ms

# Below is generated by plot.py at 2019-07-13 08:25:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 230.43 Mbit/s
95th percentile per-packet one-way delay: 180.736 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 104.18 Mbit/s
95th percentile per-packet one-way delay: 168.824 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 112.88 Mbit/s
95th percentile per-packet one-way delay: 105.936 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 155.72 Mbit/s
95th percentile per-packet one-way delay: 204.173 ms
Loss rate: 3.44%
```

Run 3: Report of Verus — Data Link

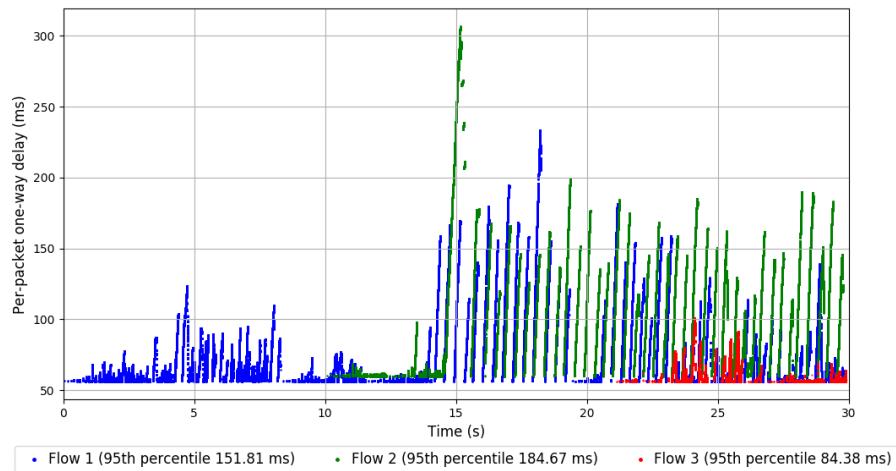
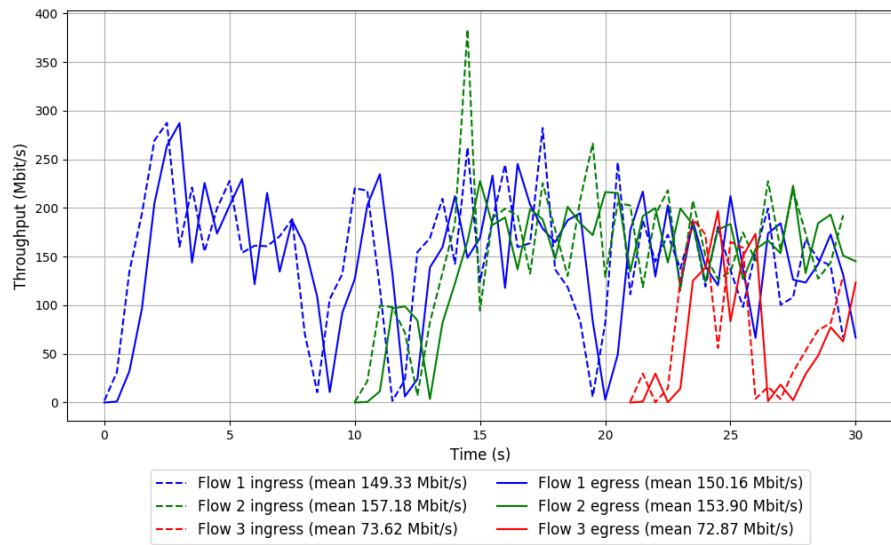


Run 4: Statistics of Verus

```
Start at: 2019-07-13 04:26:51
End at: 2019-07-13 04:27:21
Local clock offset: -0.55 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2019-07-13 08:25:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 273.30 Mbit/s
95th percentile per-packet one-way delay: 166.684 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 150.16 Mbit/s
95th percentile per-packet one-way delay: 151.810 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 153.90 Mbit/s
95th percentile per-packet one-way delay: 184.671 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 72.87 Mbit/s
95th percentile per-packet one-way delay: 84.375 ms
Loss rate: 2.33%
```

Run 4: Report of Verus — Data Link

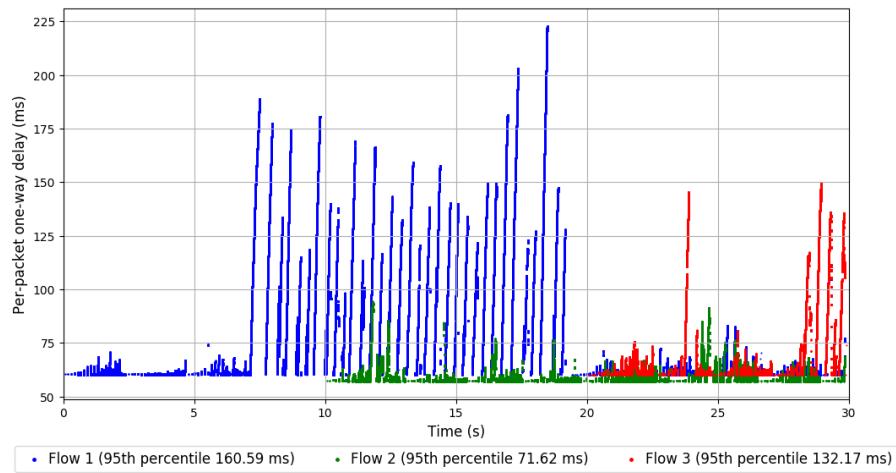
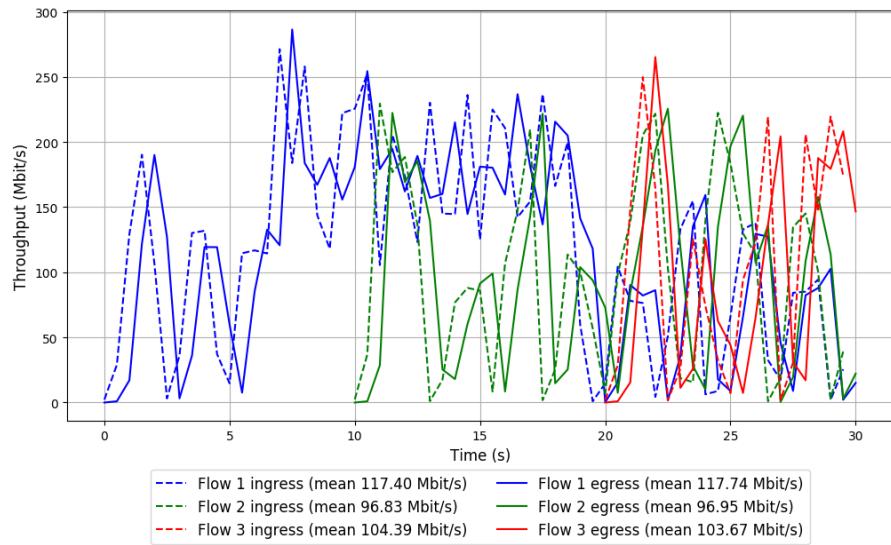


Run 5: Statistics of Verus

```
Start at: 2019-07-13 05:07:57
End at: 2019-07-13 05:08:27
Local clock offset: -0.262 ms
Remote clock offset: -0.239 ms

# Below is generated by plot.py at 2019-07-13 08:25:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 215.98 Mbit/s
95th percentile per-packet one-way delay: 146.121 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 117.74 Mbit/s
95th percentile per-packet one-way delay: 160.589 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: 71.623 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 103.67 Mbit/s
95th percentile per-packet one-way delay: 132.171 ms
Loss rate: 1.88%
```

Run 5: Report of Verus — Data Link

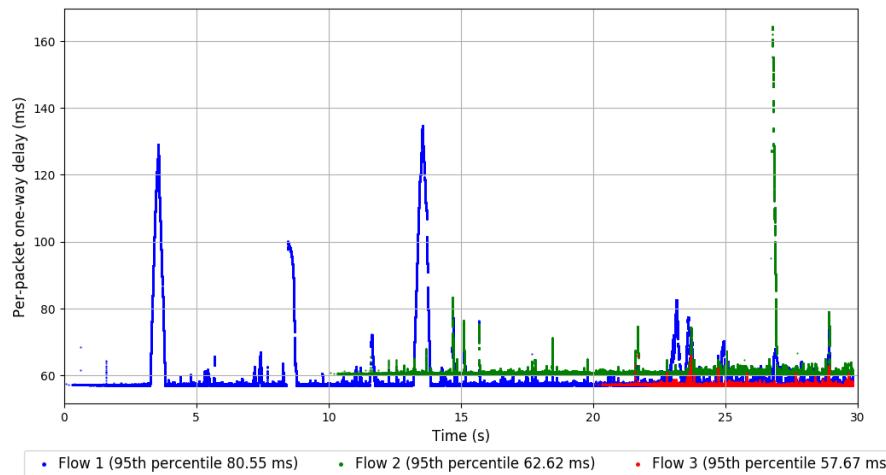
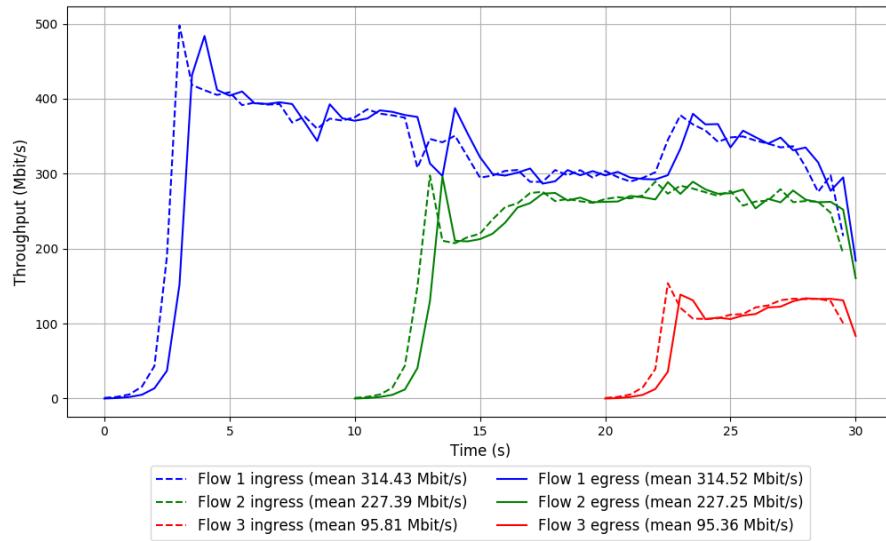


```
Run 1: Statistics of PCC-Vivace

Start at: 2019-07-13 02:07:11
End at: 2019-07-13 02:07:41
Local clock offset: -0.082 ms
Remote clock offset: -0.187 ms

# Below is generated by plot.py at 2019-07-13 08:26:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 496.55 Mbit/s
95th percentile per-packet one-way delay: 70.623 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 314.52 Mbit/s
95th percentile per-packet one-way delay: 80.546 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 227.25 Mbit/s
95th percentile per-packet one-way delay: 62.621 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 57.672 ms
Loss rate: 1.66%
```

Run 1: Report of PCC-Vivace — Data Link

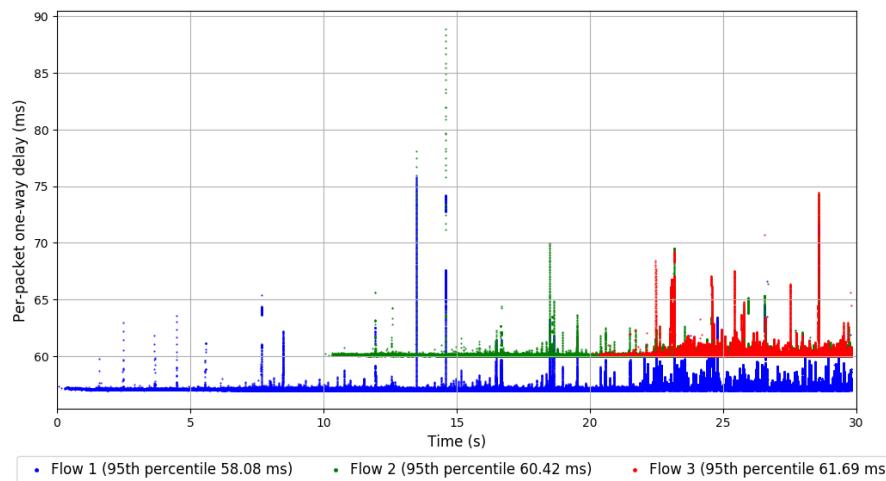
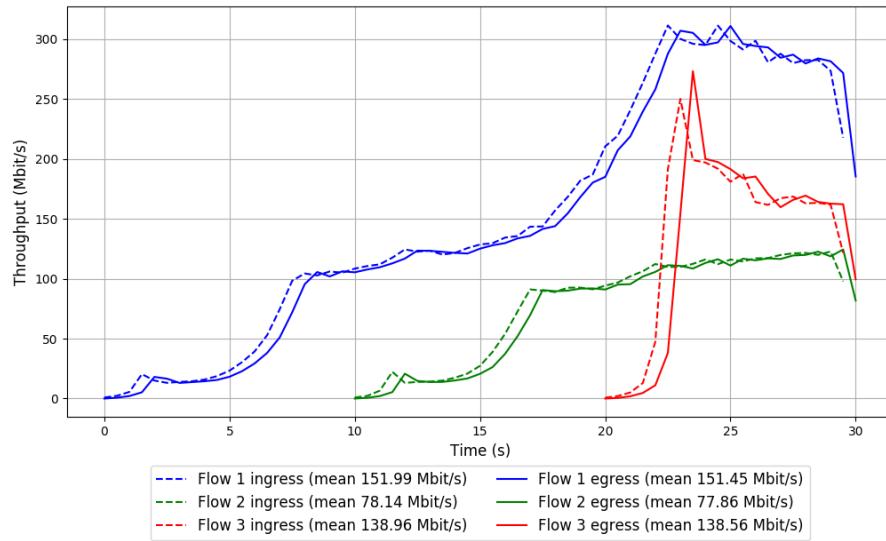


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-07-13 02:47:54
End at: 2019-07-13 02:48:24
Local clock offset: -0.041 ms
Remote clock offset: 0.193 ms

# Below is generated by plot.py at 2019-07-13 08:26:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 248.41 Mbit/s
95th percentile per-packet one-way delay: 60.376 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 151.45 Mbit/s
95th percentile per-packet one-way delay: 58.078 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 77.86 Mbit/s
95th percentile per-packet one-way delay: 60.416 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 138.56 Mbit/s
95th percentile per-packet one-way delay: 61.689 ms
Loss rate: 1.51%
```

Run 2: Report of PCC-Vivace — Data Link

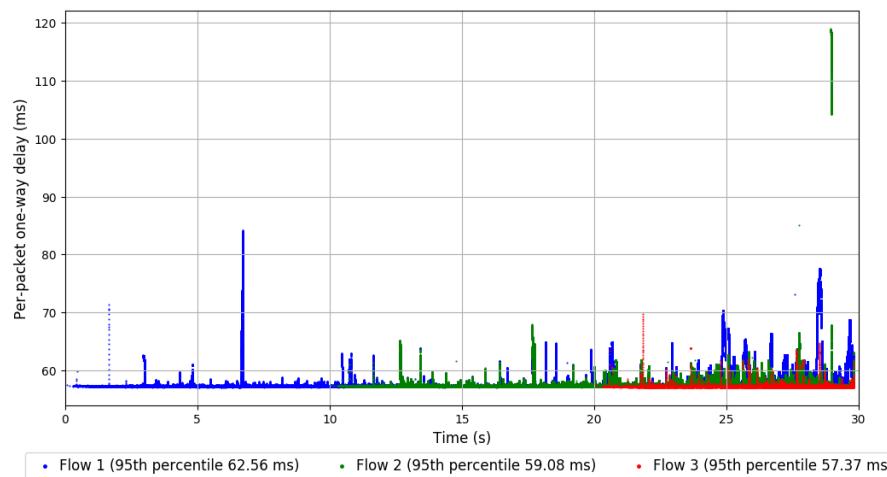
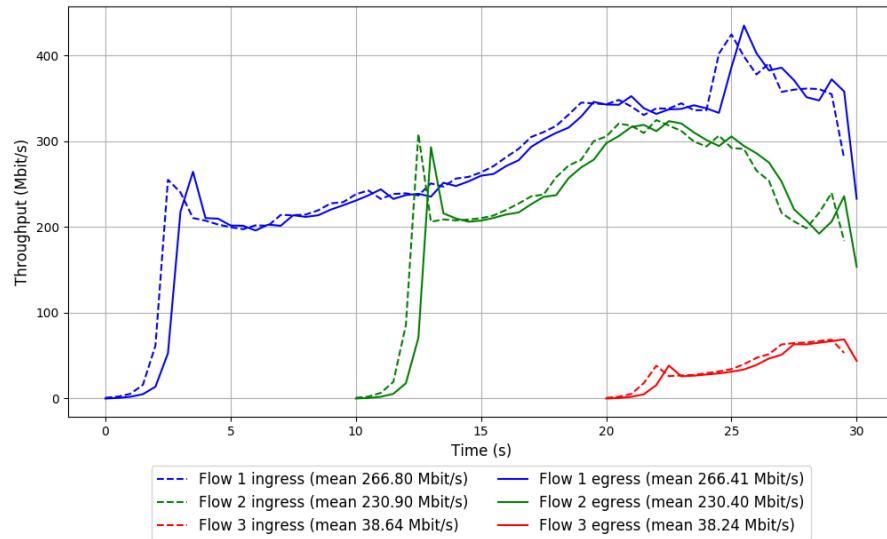


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-07-13 03:28:35
End at: 2019-07-13 03:29:05
Local clock offset: -0.097 ms
Remote clock offset: -0.257 ms

# Below is generated by plot.py at 2019-07-13 08:26:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 431.88 Mbit/s
95th percentile per-packet one-way delay: 60.913 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 266.41 Mbit/s
95th percentile per-packet one-way delay: 62.562 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 230.40 Mbit/s
95th percentile per-packet one-way delay: 59.079 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 38.24 Mbit/s
95th percentile per-packet one-way delay: 57.374 ms
Loss rate: 2.23%
```

Run 3: Report of PCC-Vivace — Data Link

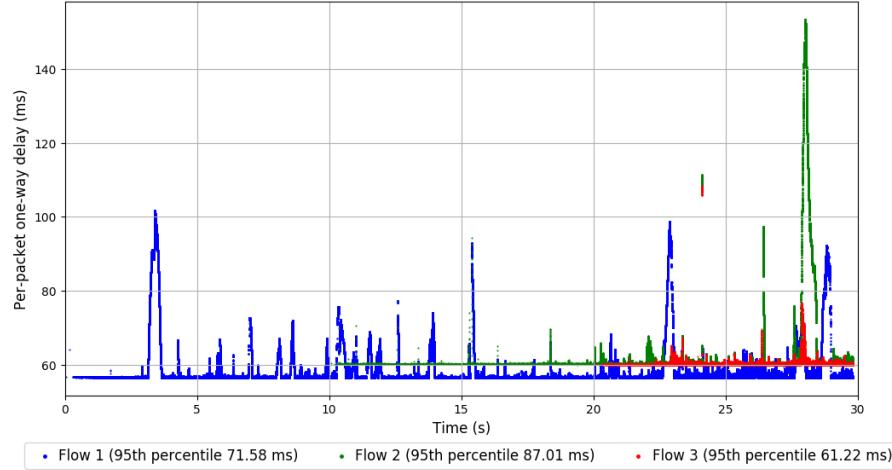
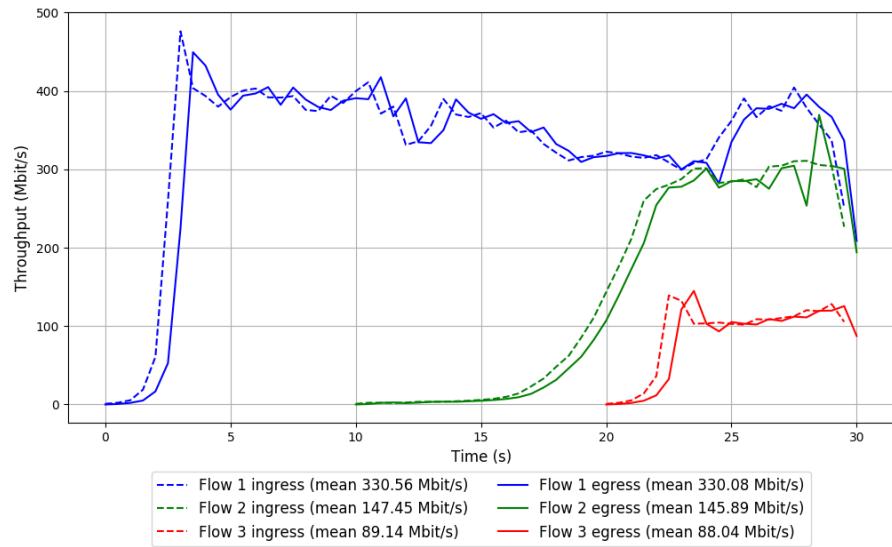


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-07-13 04:09:32
End at: 2019-07-13 04:10:02
Local clock offset: -0.412 ms
Remote clock offset: -0.188 ms

# Below is generated by plot.py at 2019-07-13 08:27:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 455.69 Mbit/s
95th percentile per-packet one-way delay: 72.007 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 330.08 Mbit/s
95th percentile per-packet one-way delay: 71.585 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 145.89 Mbit/s
95th percentile per-packet one-way delay: 87.006 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 61.224 ms
Loss rate: 2.46%
```

Run 4: Report of PCC-Vivace — Data Link

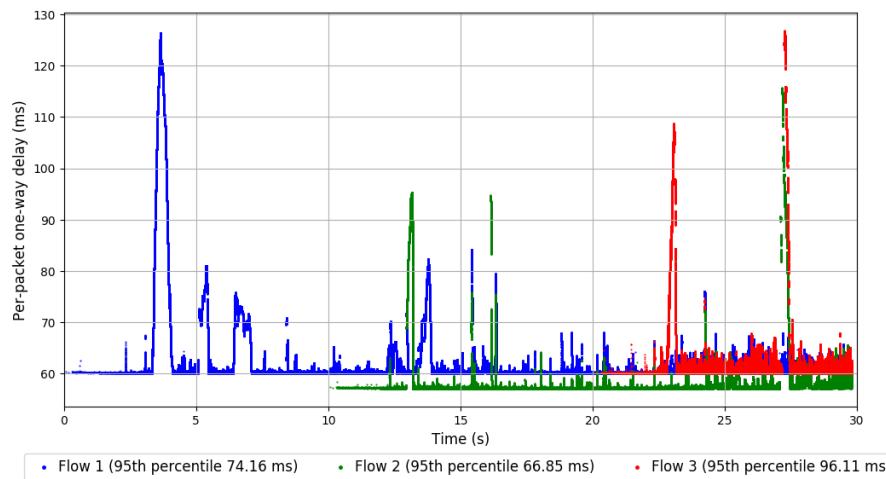
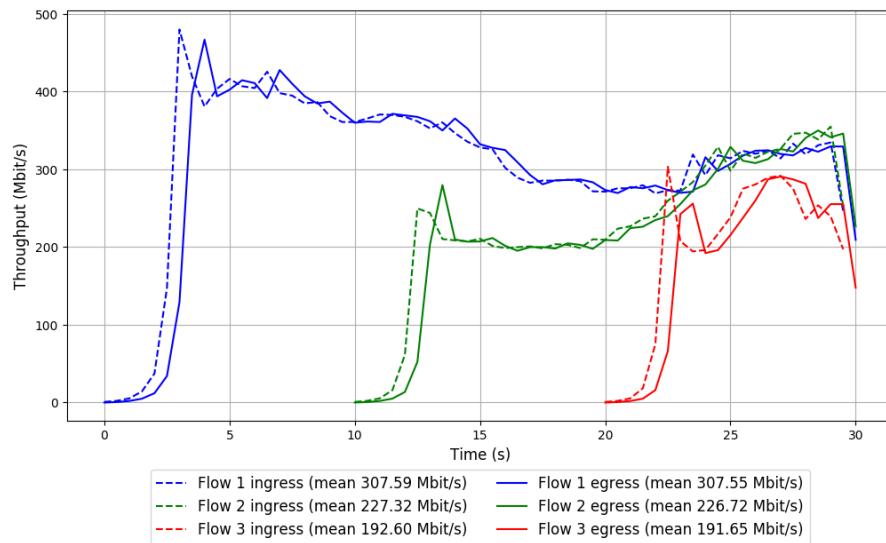


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-07-13 04:50:40
End at: 2019-07-13 04:51:10
Local clock offset: -0.299 ms
Remote clock offset: -0.18 ms

# Below is generated by plot.py at 2019-07-13 08:27:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 520.73 Mbit/s
95th percentile per-packet one-way delay: 74.460 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 307.55 Mbit/s
95th percentile per-packet one-way delay: 74.160 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 226.72 Mbit/s
95th percentile per-packet one-way delay: 66.846 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 191.65 Mbit/s
95th percentile per-packet one-way delay: 96.112 ms
Loss rate: 1.71%
```

Run 5: Report of PCC-Vivace — Data Link

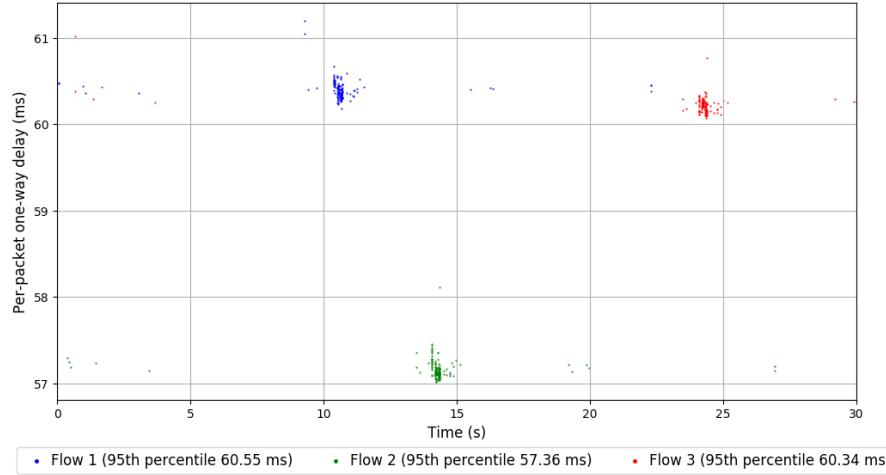
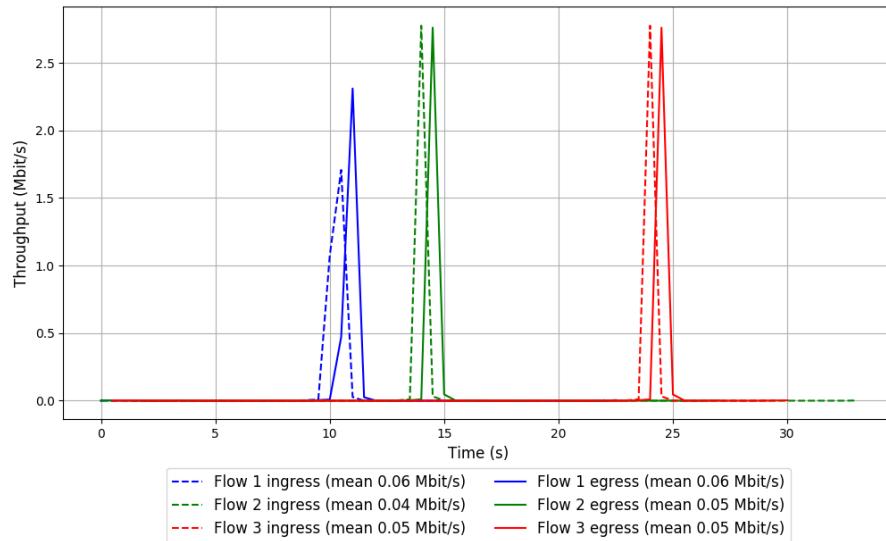


```
Run 1: Statistics of WebRTC media

Start at: 2019-07-13 02:05:59
End at: 2019-07-13 02:06:29
Local clock offset: -0.062 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2019-07-13 08:27:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 60.490 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 60.552 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.360 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.335 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

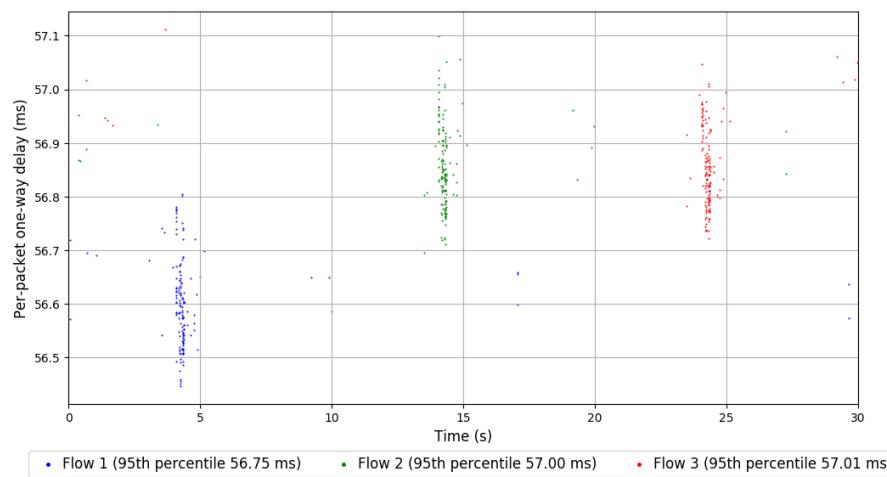
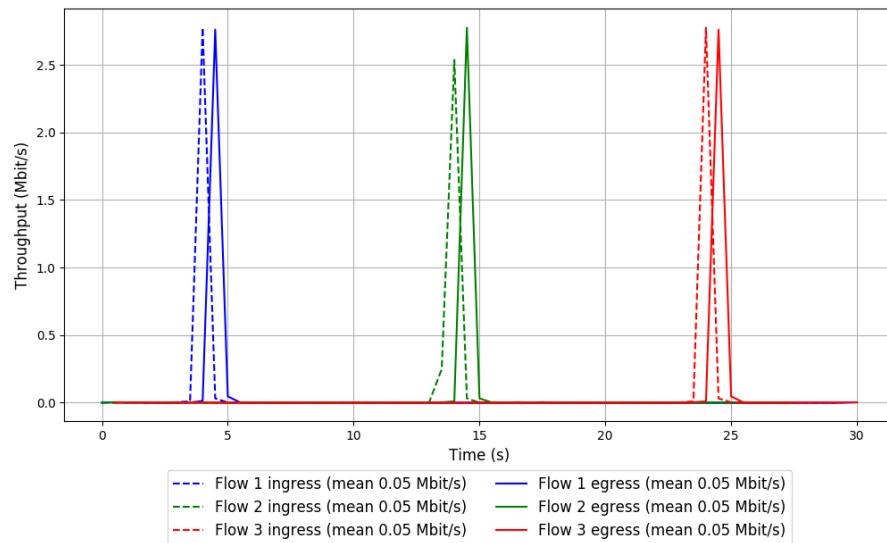


Run 2: Statistics of WebRTC media

```
Start at: 2019-07-13 02:46:42
End at: 2019-07-13 02:47:12
Local clock offset: -0.56 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2019-07-13 08:27:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 56.976 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 56.754 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.004 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.011 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

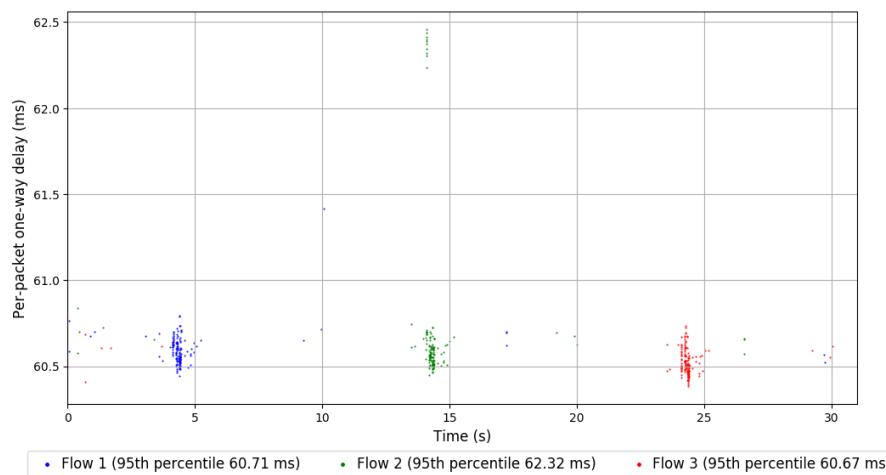
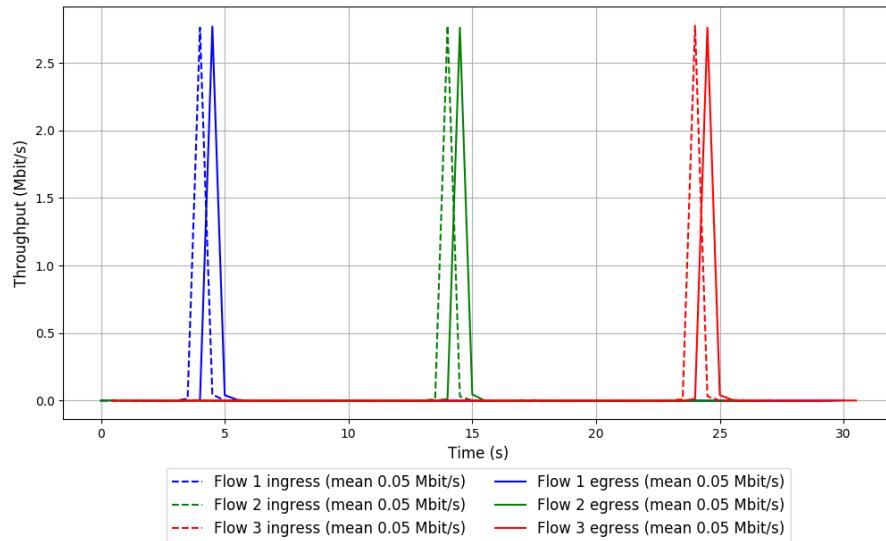


Run 3: Statistics of WebRTC media

```
Start at: 2019-07-13 03:27:23
End at: 2019-07-13 03:27:53
Local clock offset: -0.549 ms
Remote clock offset: -0.928 ms

# Below is generated by plot.py at 2019-07-13 08:27:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 60.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.708 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.320 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.670 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

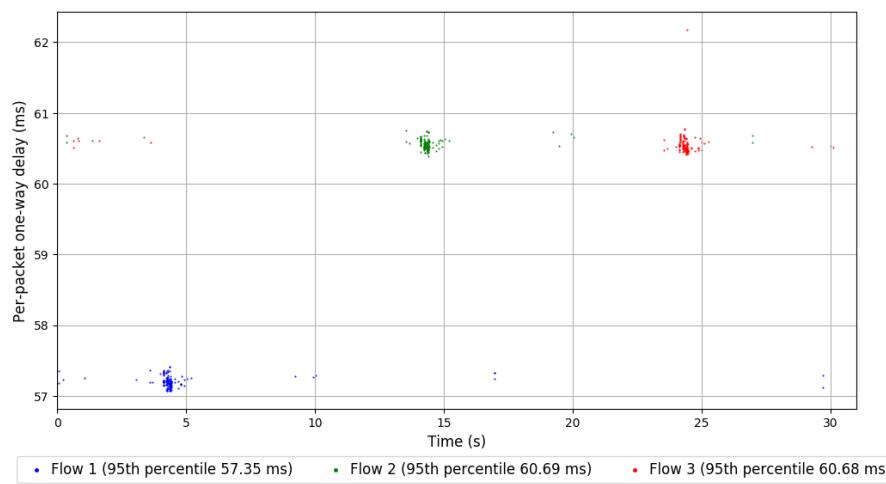
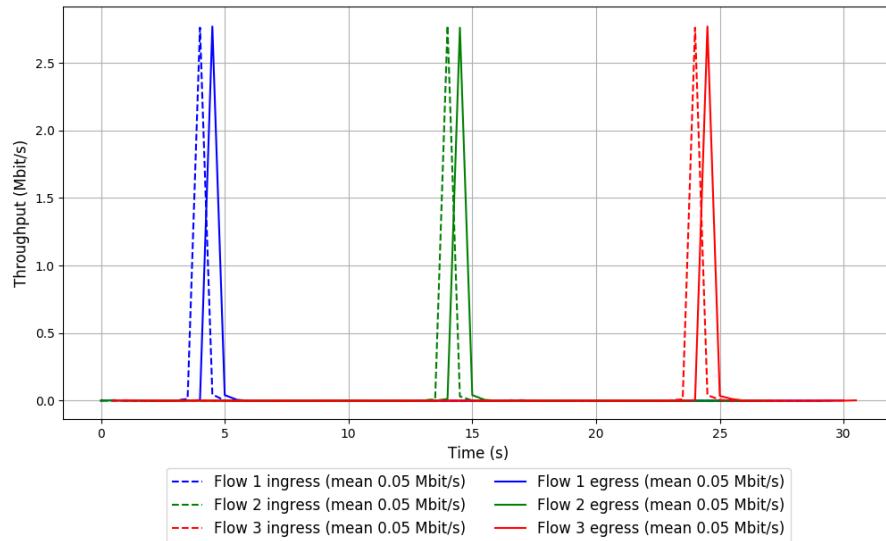


Run 4: Statistics of WebRTC media

```
Start at: 2019-07-13 04:08:20
End at: 2019-07-13 04:08:50
Local clock offset: 0.267 ms
Remote clock offset: 0.09 ms

# Below is generated by plot.py at 2019-07-13 08:27:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 60.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.348 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.686 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.681 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-07-13 04:49:28
End at: 2019-07-13 04:49:58
Local clock offset: 0.198 ms
Remote clock offset: 0.386 ms

# Below is generated by plot.py at 2019-07-13 08:27:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 56.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.004 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 56.879 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 56.935 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

