

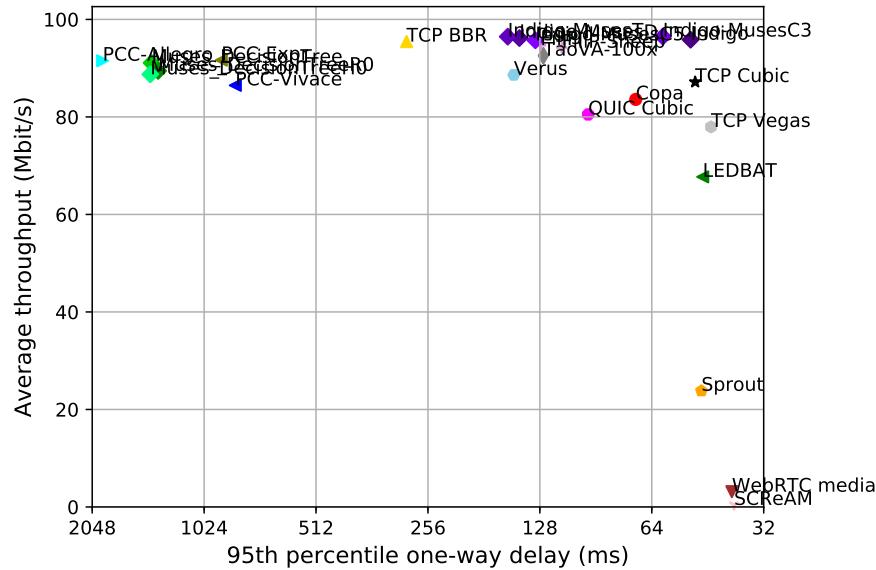
Pantheon Report

Generated at 2019-07-12 19:15:41 (UTC).
Data path: Mexico on `em1` (*remote*) → AWS California 2 on `ens5` (*local*).
Repeated the test of 24 congestion control schemes 5 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

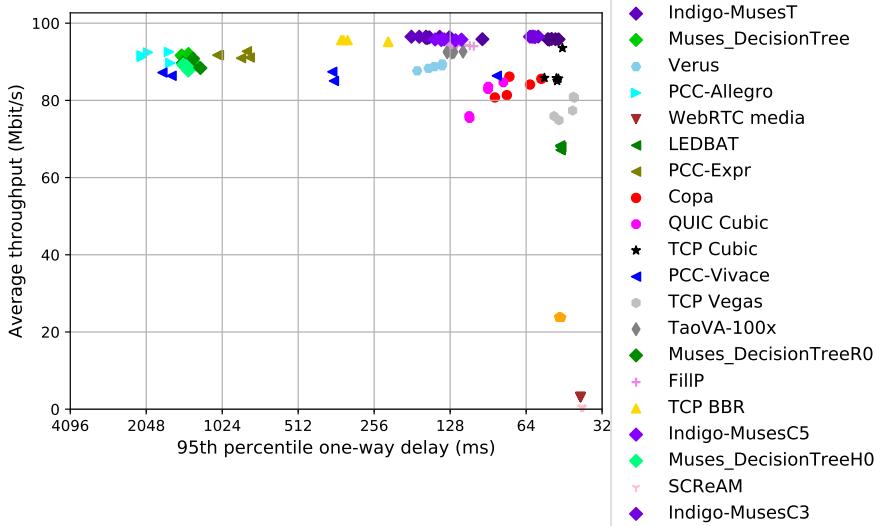
```
System info:  
Linux 4.15.0-1041-aws  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
Git summary:  
branch: muses @ 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 Mexico to AWS California 2, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from Mexico to AWS California 2, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows



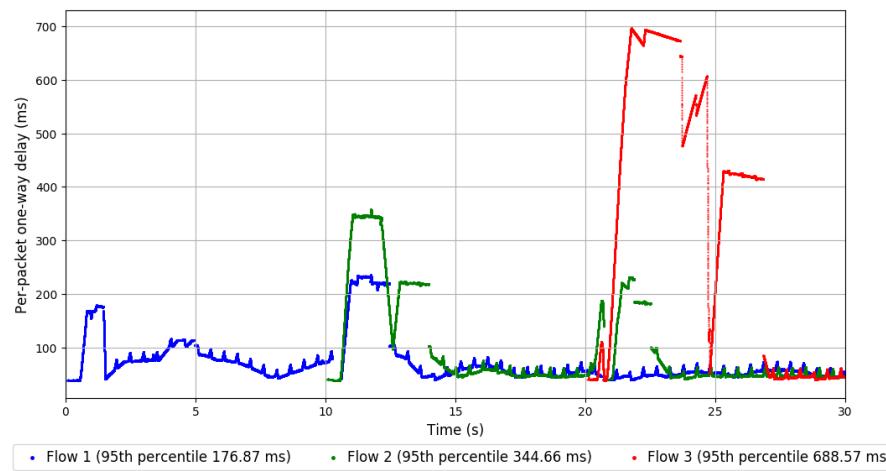
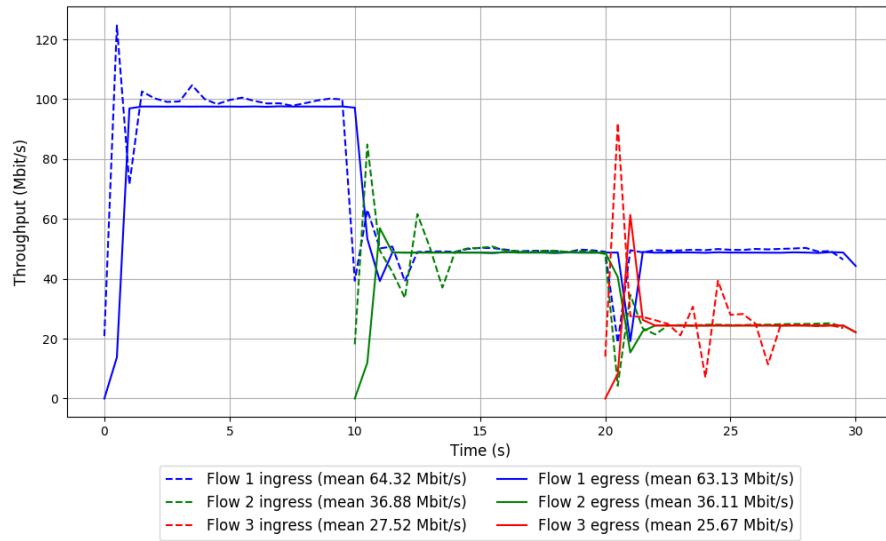
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	58.09	39.81	32.87	193.82	278.95	519.00	1.56	1.94	4.37
Copa		52.82	33.40	25.78	89.20	49.99	64.46	0.16	0.30	0.78
TCP Cubic		50.83	37.80	33.72	52.03	46.03	54.82	0.25	0.31	0.68
FillP		55.90	40.09	36.76	112.42	137.40	107.81	0.47	3.33	2.48
FillP-Sheep		55.60	40.83	34.55	109.36	102.49	122.92	0.29	0.59	1.29
Indigo		60.07	36.12	36.04	50.26	51.44	49.05	0.17	0.35	0.75
Indigo-MusesC3		61.86	40.46	29.77	56.34	63.78	75.61	0.21	0.49	0.97
Indigo-MusesC5		59.90	43.46	26.56	97.42	141.26	140.04	0.87	3.43	6.73
Indigo-MusesD		60.80	40.36	32.18	143.56	142.13	69.23	6.75	9.62	1.79
Indigo-MusesT		60.65	42.29	29.61	128.85	194.18	199.13	2.07	4.25	5.57
LEDBAT		40.74	30.08	20.99	46.65	46.91	46.24	0.17	0.38	1.03
Muses_DecisionTree		48.91	40.67	47.27	890.02	1193.48	1675.62	0.61	2.78	10.19
Muses_DecisionTreeH0		49.50	39.70	39.90	889.44	1408.34	1867.09	1.08	3.89	21.52
Muses_DecisionTreeR0		45.03	42.22	50.80	872.64	1248.93	1580.93	1.52	3.56	6.78
PCC-Allegro		57.76	36.03	29.87	1938.18	1961.36	424.59	14.25	15.51	4.55
PCC-Expr		55.03	39.31	31.90	901.48	656.54	204.93	33.13	9.17	2.54
QUIC Cubic		47.46	35.28	29.19	75.56	120.37	160.72	0.20	0.52	1.05
SCReAM		0.21	0.21	0.22	38.47	38.42	38.44	0.21	0.40	0.64
Sprout		11.99	11.96	11.80	46.40	47.25	48.42	0.26	0.20	0.74
TaoVA-100x		55.96	37.14	35.84	114.41	132.51	141.77	0.66	1.32	2.50
TCP Vegas		42.90	35.66	34.22	48.41	43.22	43.72	0.18	0.27	0.73
Verus		54.50	36.92	28.97	147.16	163.33	220.19	0.32	0.66	1.44
PCC-Vivace		54.81	34.94	25.68	822.00	507.65	281.35	2.09	4.66	4.21
WebRTC media		1.77	0.98	0.40	38.95	38.95	39.13	0.13	0.23	0.73

Run 1: Statistics of TCP BBR

```
Start at: 2019-07-12 16:22:09
End at: 2019-07-12 16:22:39
Local clock offset: -2.639 ms
Remote clock offset: -4.897 ms

# Below is generated by plot.py at 2019-07-12 18:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 345.967 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 63.13 Mbit/s
95th percentile per-packet one-way delay: 176.868 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 36.11 Mbit/s
95th percentile per-packet one-way delay: 344.663 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 25.67 Mbit/s
95th percentile per-packet one-way delay: 688.572 ms
Loss rate: 7.34%
```

Run 1: Report of TCP BBR — Data Link

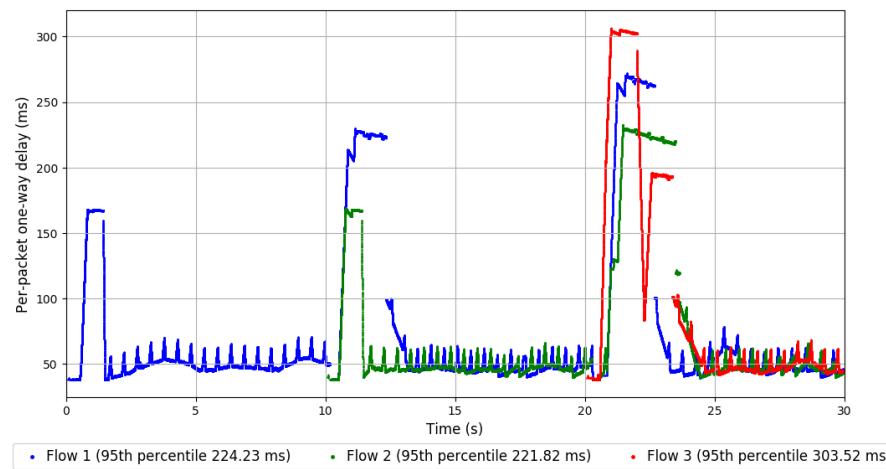
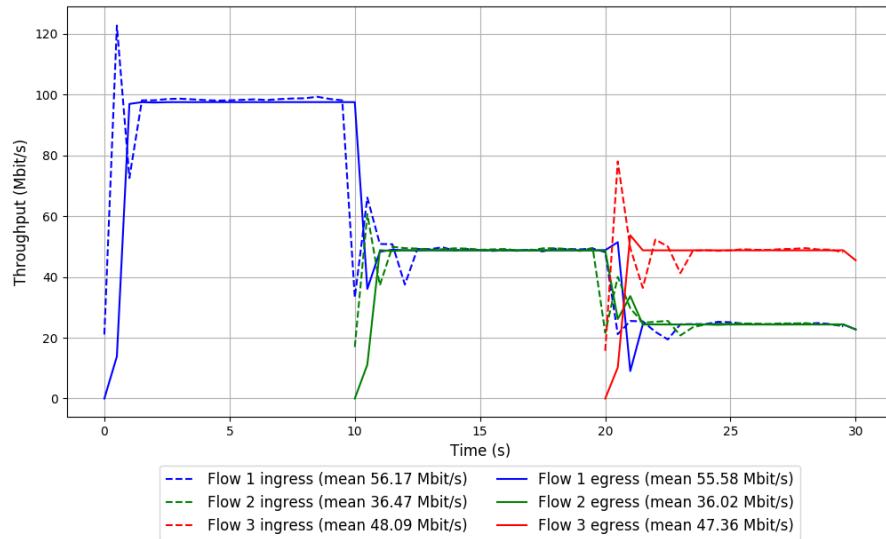


Run 2: Statistics of TCP BBR

```
Start at: 2019-07-12 16:58:59
End at: 2019-07-12 16:59:29
Local clock offset: -3.452 ms
Remote clock offset: -3.182 ms

# Below is generated by plot.py at 2019-07-12 18:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 225.407 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 55.58 Mbit/s
95th percentile per-packet one-way delay: 224.233 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 36.02 Mbit/s
95th percentile per-packet one-way delay: 221.822 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 303.520 ms
Loss rate: 2.15%
```

Run 2: Report of TCP BBR — Data Link

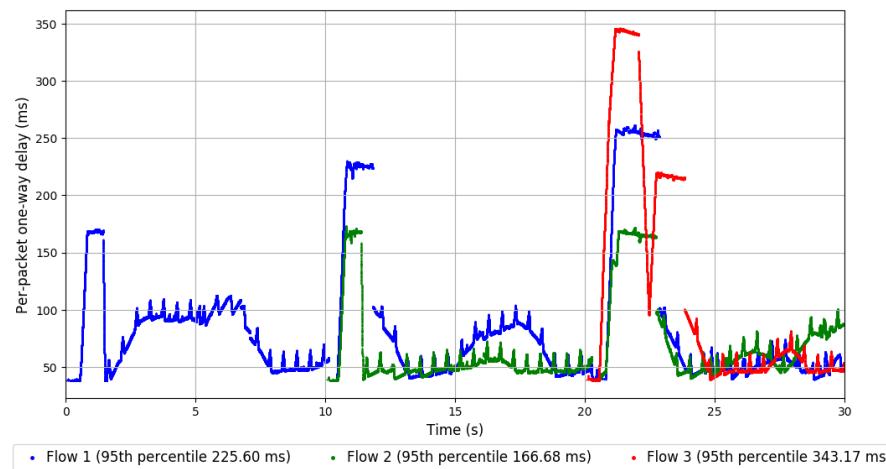
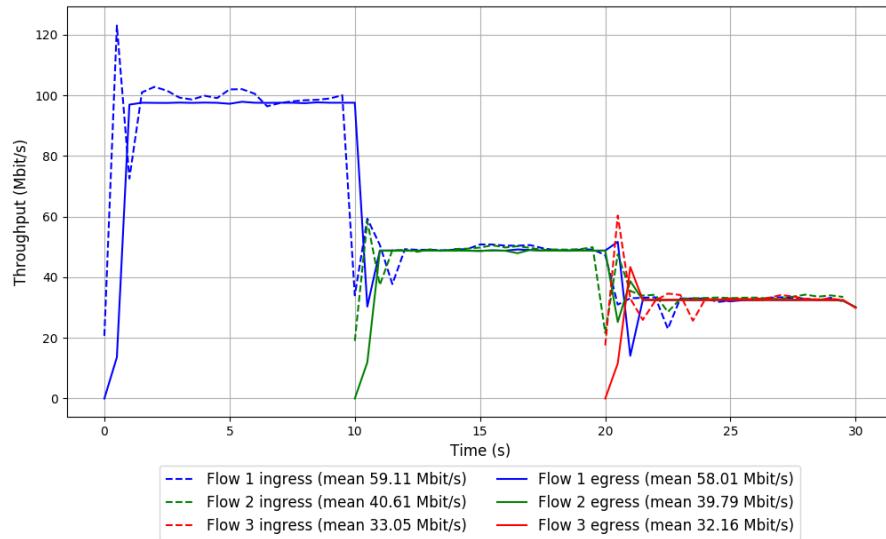


Run 3: Statistics of TCP BBR

```
Start at: 2019-07-12 17:33:59
End at: 2019-07-12 17:34:29
Local clock offset: 9.495 ms
Remote clock offset: -2.315 ms

# Below is generated by plot.py at 2019-07-12 18:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 224.922 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 225.596 ms
Loss rate: 2.07%
-- Flow 2:
Average throughput: 39.79 Mbit/s
95th percentile per-packet one-way delay: 166.684 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 32.16 Mbit/s
95th percentile per-packet one-way delay: 343.172 ms
Loss rate: 3.32%
```

Run 3: Report of TCP BBR — Data Link

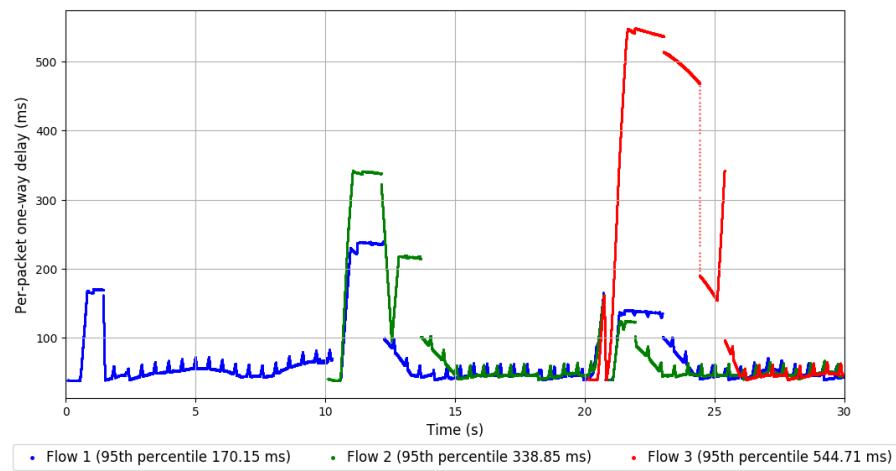
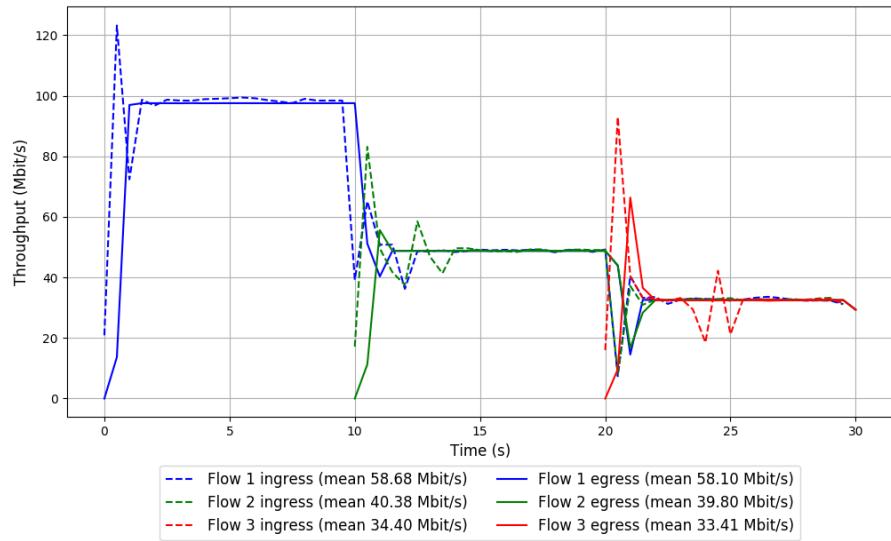


Run 4: Statistics of TCP BBR

```
Start at: 2019-07-12 18:12:47
End at: 2019-07-12 18:13:17
Local clock offset: 9.592 ms
Remote clock offset: -1.402 ms

# Below is generated by plot.py at 2019-07-12 18:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 338.756 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 170.151 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 39.80 Mbit/s
95th percentile per-packet one-way delay: 338.854 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 33.41 Mbit/s
95th percentile per-packet one-way delay: 544.710 ms
Loss rate: 3.51%
```

Run 4: Report of TCP BBR — Data Link

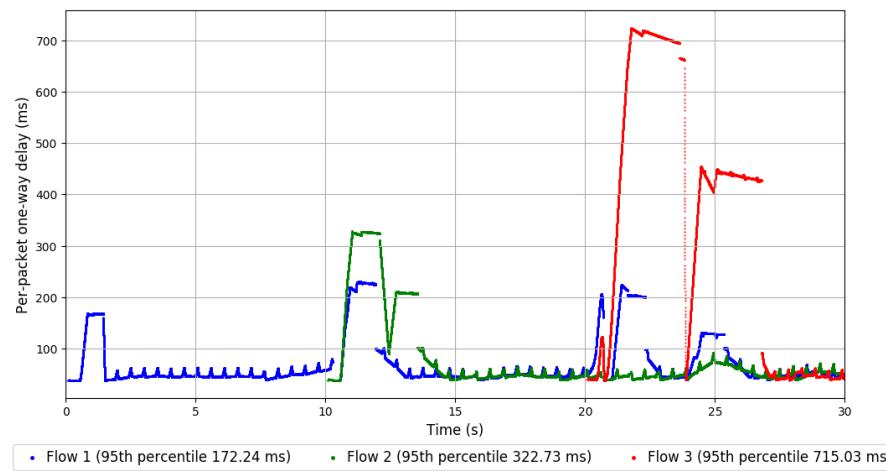
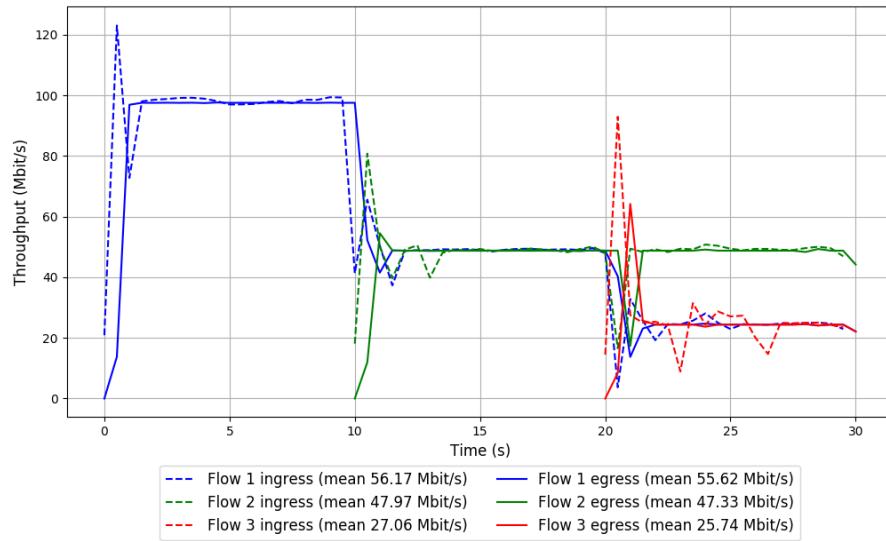


Run 5: Statistics of TCP BBR

```
Start at: 2019-07-12 18:46:58
End at: 2019-07-12 18:47:28
Local clock offset: 8.669 ms
Remote clock offset: -1.003 ms

# Below is generated by plot.py at 2019-07-12 18:59:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 326.179 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 55.62 Mbit/s
95th percentile per-packet one-way delay: 172.244 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 47.33 Mbit/s
95th percentile per-packet one-way delay: 322.732 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 25.74 Mbit/s
95th percentile per-packet one-way delay: 715.033 ms
Loss rate: 5.53%
```

Run 5: Report of TCP BBR — Data Link

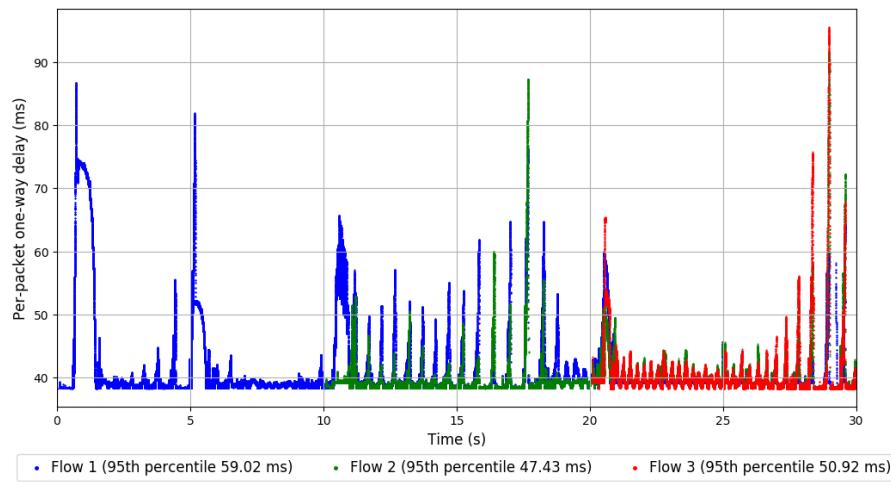
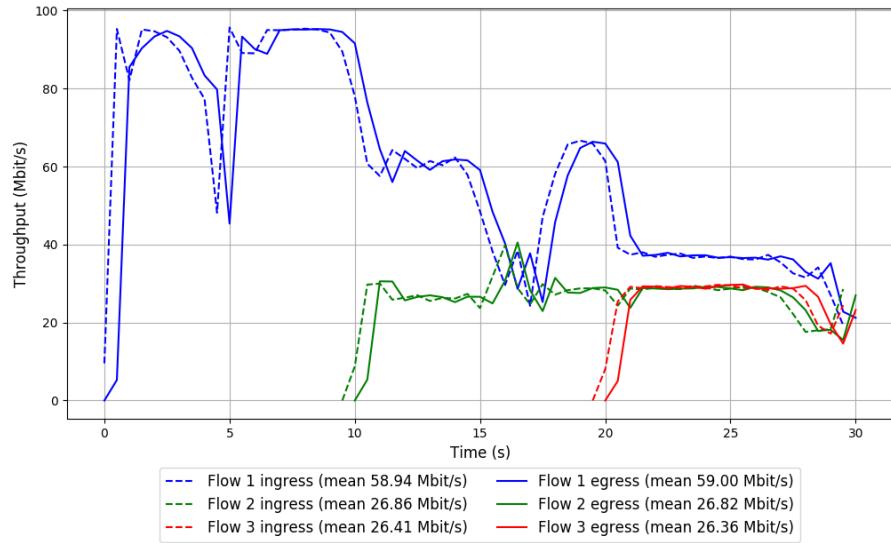


Run 1: Statistics of Copa

```
Start at: 2019-07-12 16:26:32
End at: 2019-07-12 16:27:02
Local clock offset: -2.744 ms
Remote clock offset: -4.63 ms

# Below is generated by plot.py at 2019-07-12 19:00:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.59 Mbit/s
95th percentile per-packet one-way delay: 55.708 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 59.021 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 47.434 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 26.36 Mbit/s
95th percentile per-packet one-way delay: 50.922 ms
Loss rate: 0.83%
```

Run 1: Report of Copa — Data Link

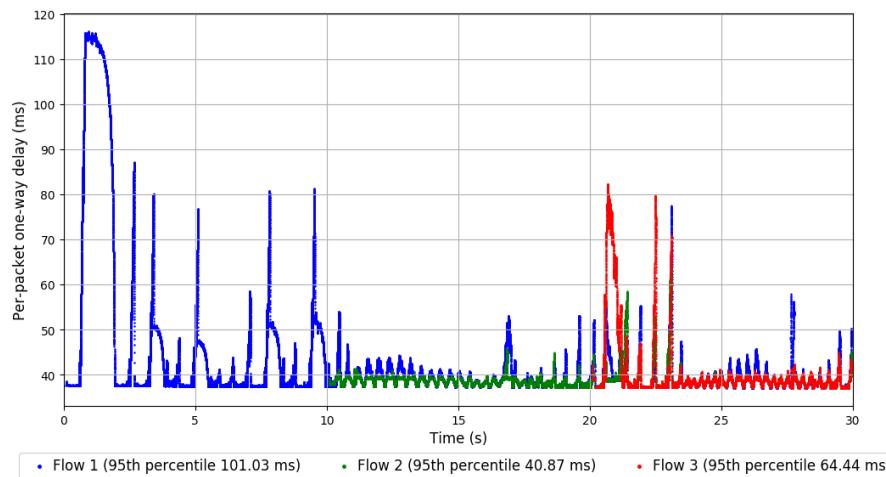
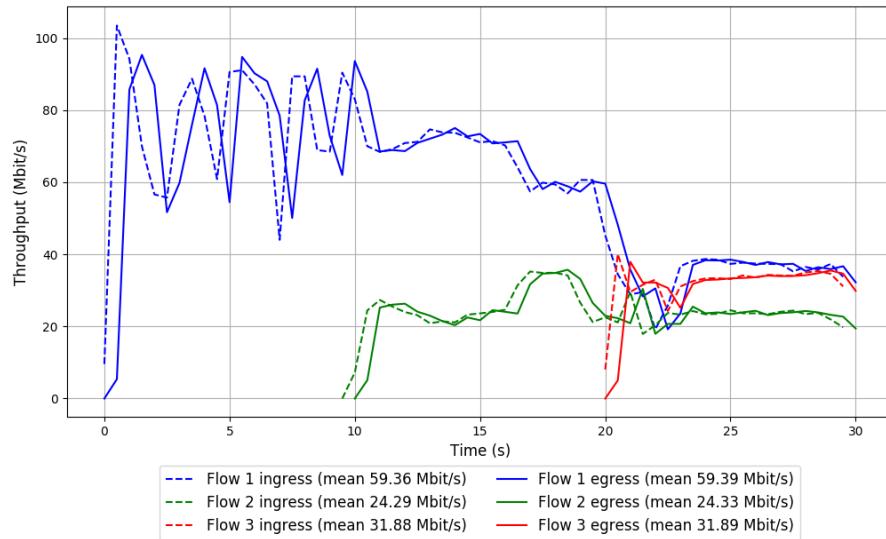


Run 2: Statistics of Copa

```
Start at: 2019-07-12 17:03:32
End at: 2019-07-12 17:04:02
Local clock offset: -3.329 ms
Remote clock offset: -3.064 ms

# Below is generated by plot.py at 2019-07-12 19:00:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 74.550 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 59.39 Mbit/s
95th percentile per-packet one-way delay: 101.026 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 40.871 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 64.443 ms
Loss rate: 0.62%
```

Run 2: Report of Copa — Data Link

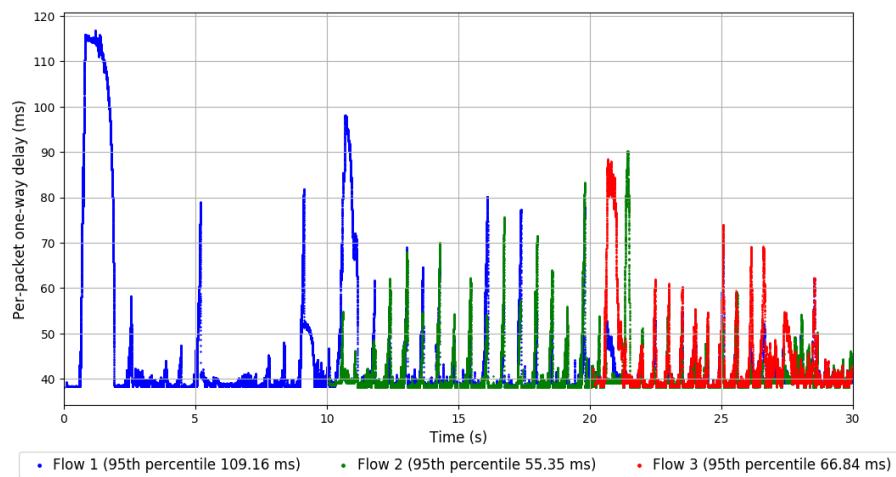
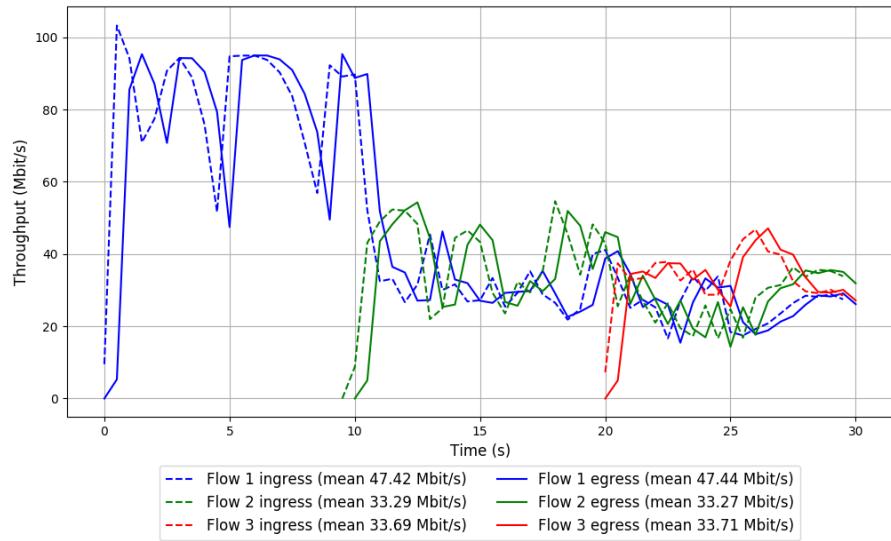


Run 3: Statistics of Copa

```
Start at: 2019-07-12 17:41:04
End at: 2019-07-12 17:41:34
Local clock offset: 9.712 ms
Remote clock offset: -2.024 ms

# Below is generated by plot.py at 2019-07-12 19:00:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.75 Mbit/s
95th percentile per-packet one-way delay: 85.115 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 47.44 Mbit/s
95th percentile per-packet one-way delay: 109.159 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 33.27 Mbit/s
95th percentile per-packet one-way delay: 55.346 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 33.71 Mbit/s
95th percentile per-packet one-way delay: 66.840 ms
Loss rate: 0.58%
```

Run 3: Report of Copa — Data Link

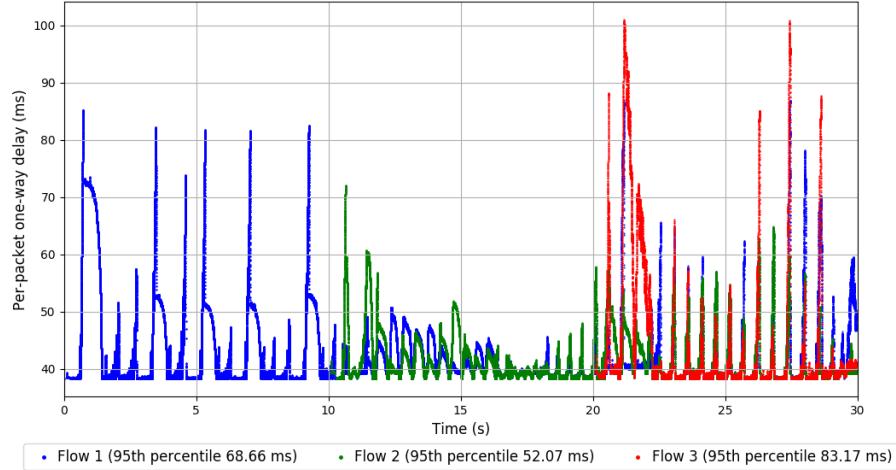
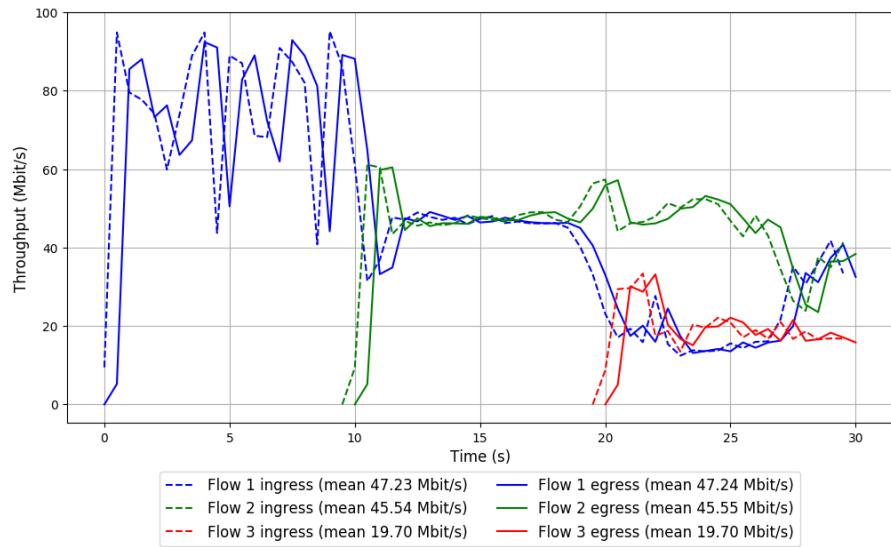


Run 4: Statistics of Copa

```
Start at: 2019-07-12 18:17:15
End at: 2019-07-12 18:17:45
Local clock offset: 9.649 ms
Remote clock offset: -1.247 ms

# Below is generated by plot.py at 2019-07-12 19:01:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.10 Mbit/s
95th percentile per-packet one-way delay: 61.762 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 68.663 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 45.55 Mbit/s
95th percentile per-packet one-way delay: 52.067 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 19.70 Mbit/s
95th percentile per-packet one-way delay: 83.168 ms
Loss rate: 0.65%
```

Run 4: Report of Copa — Data Link

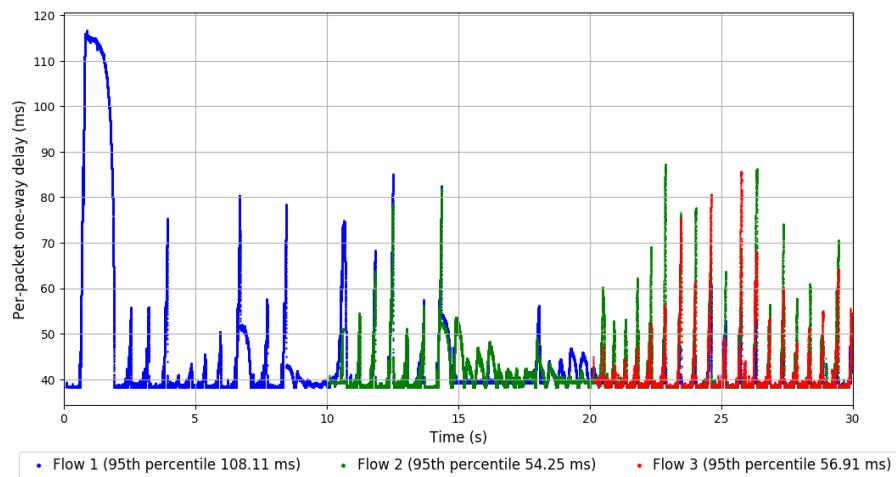
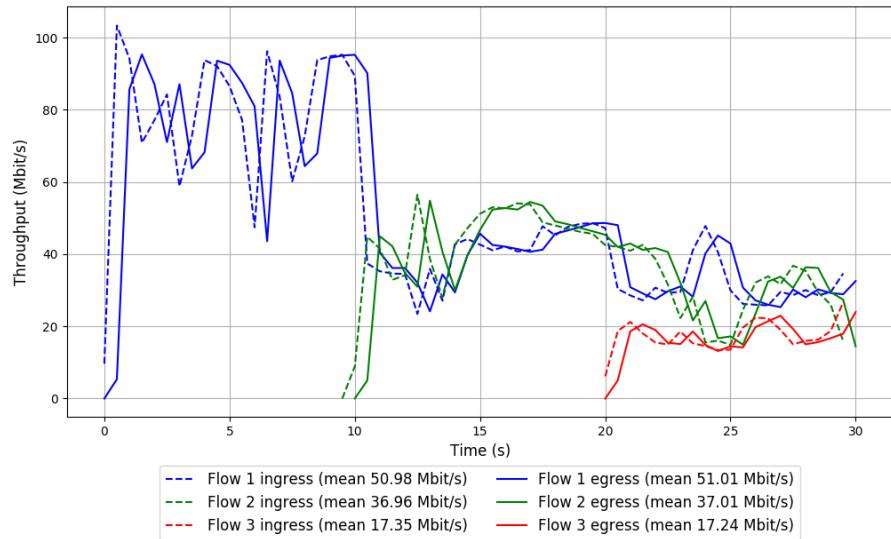


Run 5: Statistics of Copa

```
Start at: 2019-07-12 18:51:32
End at: 2019-07-12 18:52:02
Local clock offset: 8.694 ms
Remote clock offset: -0.907 ms

# Below is generated by plot.py at 2019-07-12 19:01:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.36 Mbit/s
95th percentile per-packet one-way delay: 76.292 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 51.01 Mbit/s
95th percentile per-packet one-way delay: 108.110 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 54.249 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 17.24 Mbit/s
95th percentile per-packet one-way delay: 56.912 ms
Loss rate: 1.24%
```

Run 5: Report of Copa — Data Link

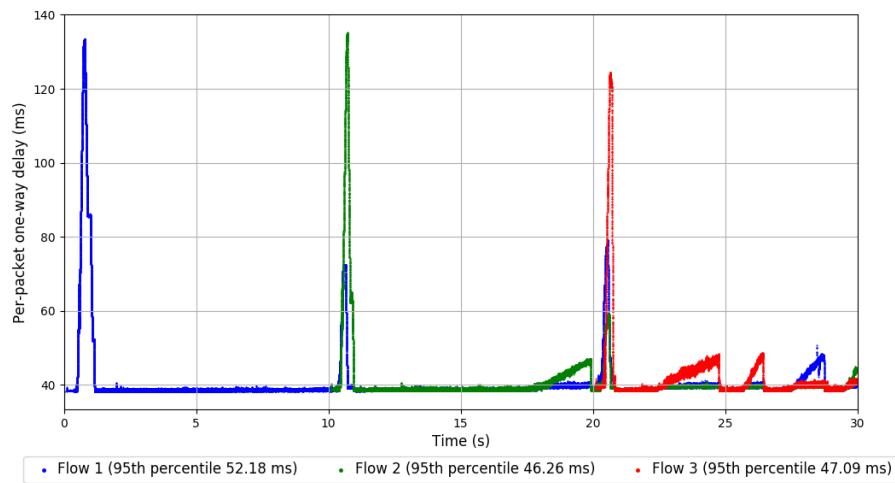
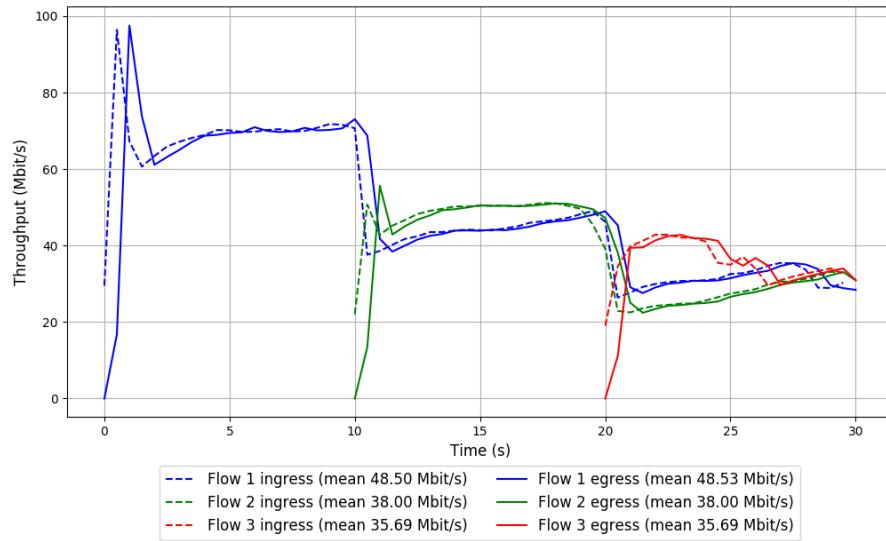


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-07-12 16:23:34
End at: 2019-07-12 16:24:04
Local clock offset: -2.68 ms
Remote clock offset: -4.831 ms

# Below is generated by plot.py at 2019-07-12 19:01:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 47.675 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 52.178 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 46.264 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 35.69 Mbit/s
95th percentile per-packet one-way delay: 47.088 ms
Loss rate: 0.64%
```

Run 1: Report of TCP Cubic — Data Link

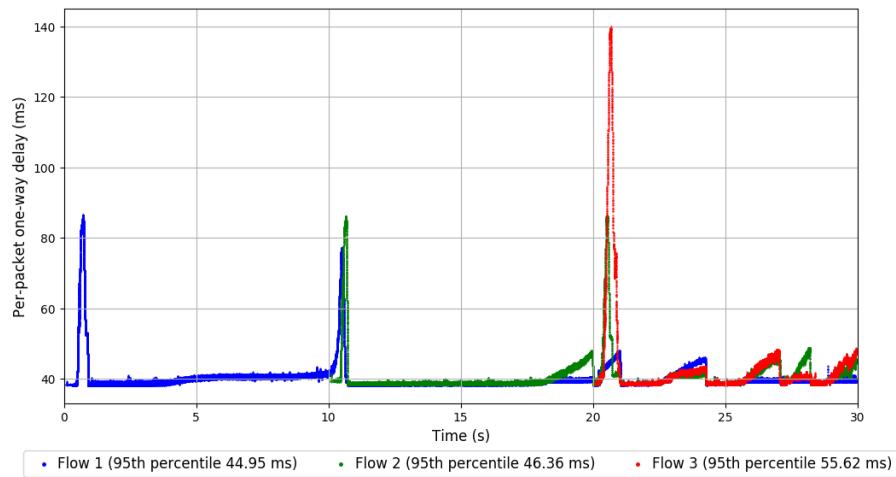
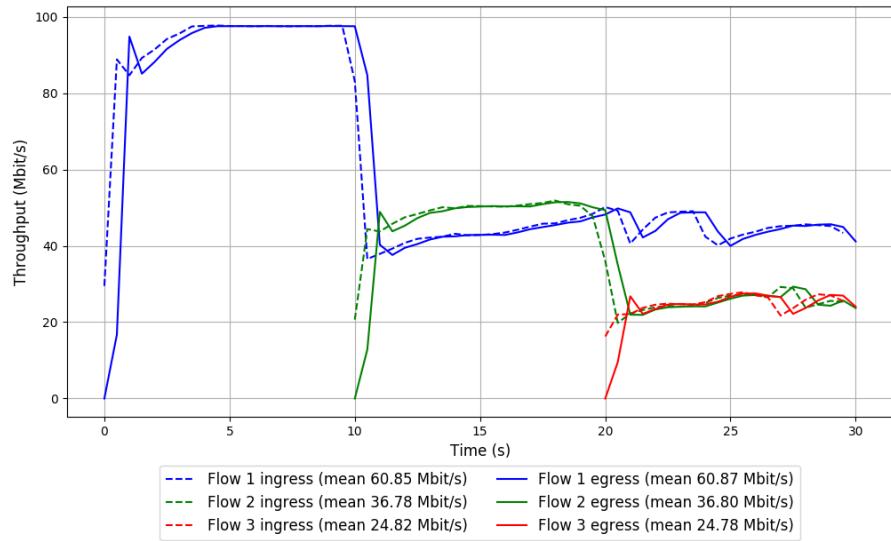


Run 2: Statistics of TCP Cubic

```
Start at: 2019-07-12 17:00:31
End at: 2019-07-12 17:01:01
Local clock offset: -3.466 ms
Remote clock offset: -3.167 ms

# Below is generated by plot.py at 2019-07-12 19:01:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 45.952 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 60.87 Mbit/s
95th percentile per-packet one-way delay: 44.953 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 46.363 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 55.616 ms
Loss rate: 0.81%
```

Run 2: Report of TCP Cubic — Data Link

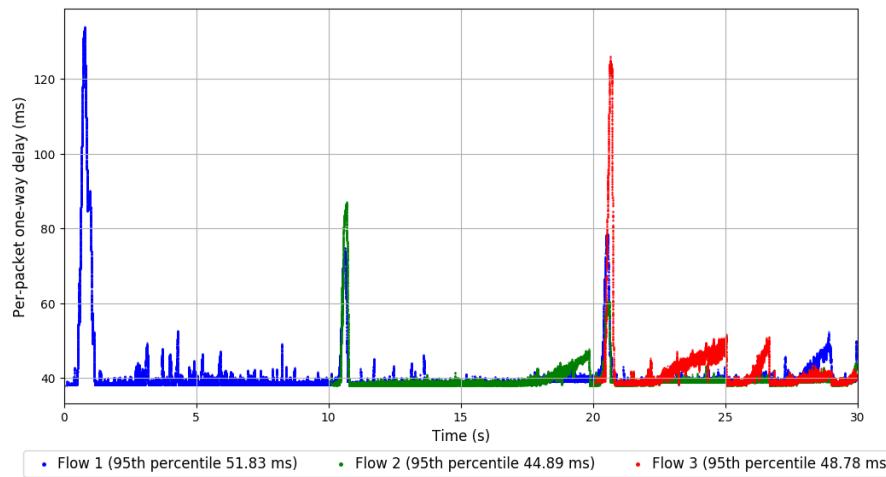
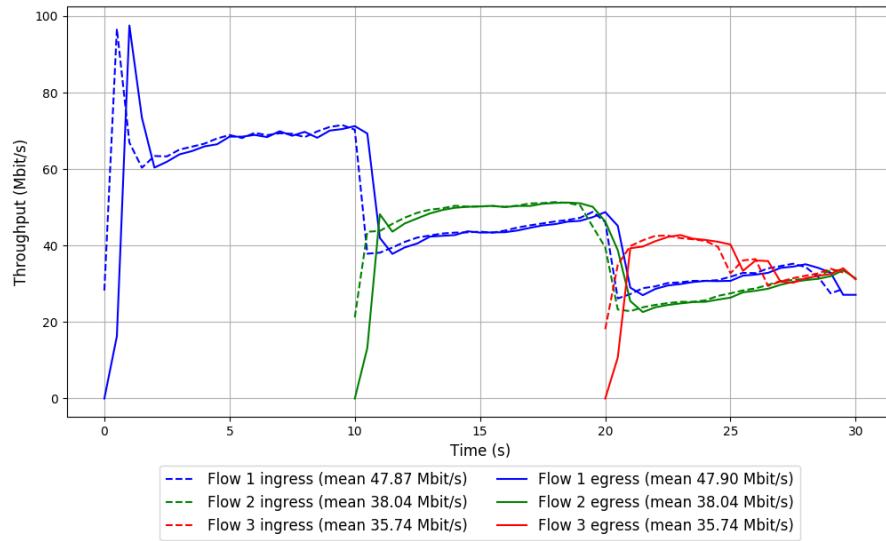


Run 3: Statistics of TCP Cubic

```
Start at: 2019-07-12 17:36:10
End at: 2019-07-12 17:36:40
Local clock offset: 9.446 ms
Remote clock offset: -2.115 ms

# Below is generated by plot.py at 2019-07-12 19:01:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.04 Mbit/s
95th percentile per-packet one-way delay: 48.233 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 47.90 Mbit/s
95th percentile per-packet one-way delay: 51.833 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 38.04 Mbit/s
95th percentile per-packet one-way delay: 44.886 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 35.74 Mbit/s
95th percentile per-packet one-way delay: 48.785 ms
Loss rate: 0.63%
```

Run 3: Report of TCP Cubic — Data Link

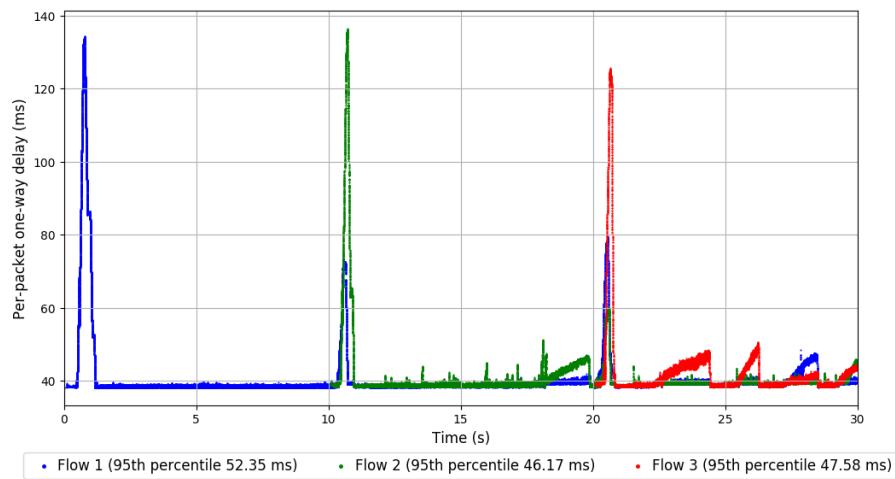
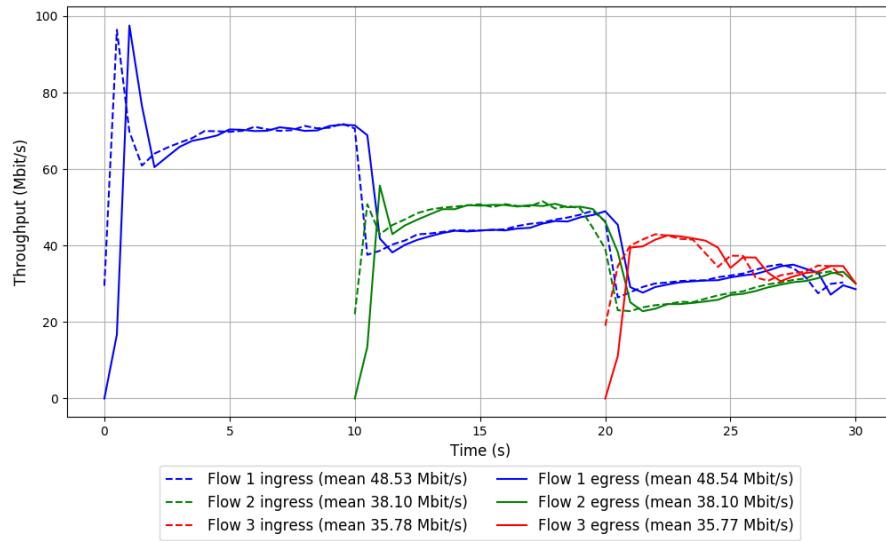


Run 4: Statistics of TCP Cubic

```
Start at: 2019-07-12 18:14:25
End at: 2019-07-12 18:14:55
Local clock offset: 9.613 ms
Remote clock offset: -1.308 ms

# Below is generated by plot.py at 2019-07-12 19:01:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.73 Mbit/s
95th percentile per-packet one-way delay: 48.530 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 48.54 Mbit/s
95th percentile per-packet one-way delay: 52.351 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 38.10 Mbit/s
95th percentile per-packet one-way delay: 46.167 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 47.583 ms
Loss rate: 0.65%
```

Run 4: Report of TCP Cubic — Data Link

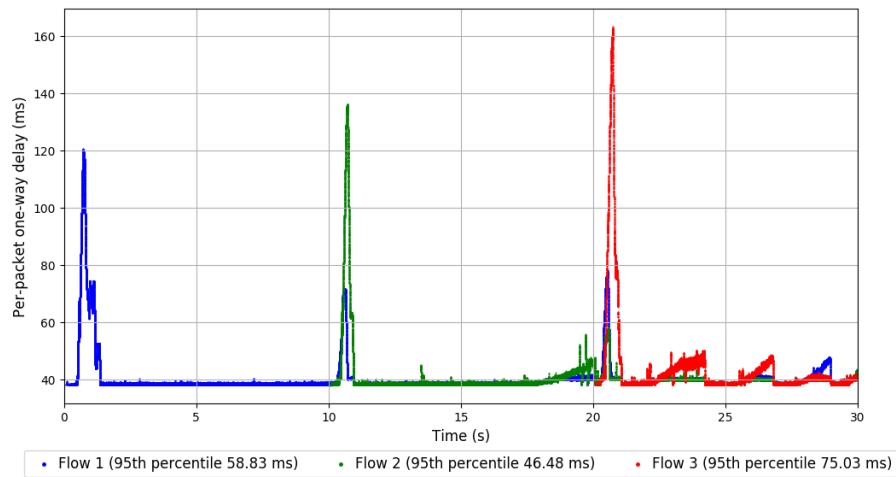
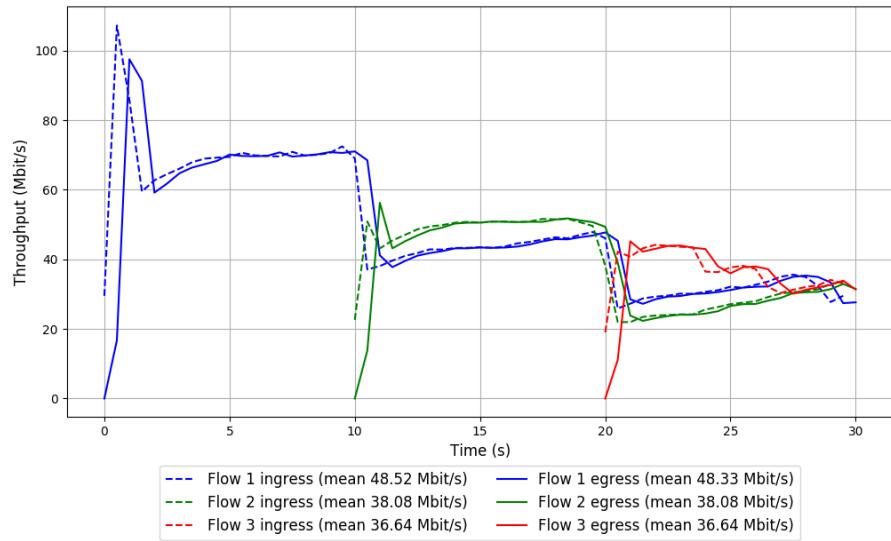


Run 5: Statistics of TCP Cubic

```
Start at: 2019-07-12 18:48:27
End at: 2019-07-12 18:48:57
Local clock offset: 8.664 ms
Remote clock offset: -0.869 ms

# Below is generated by plot.py at 2019-07-12 19:01:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.82 Mbit/s
95th percentile per-packet one-way delay: 54.153 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 48.33 Mbit/s
95th percentile per-packet one-way delay: 58.830 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 38.08 Mbit/s
95th percentile per-packet one-way delay: 46.481 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 36.64 Mbit/s
95th percentile per-packet one-way delay: 75.029 ms
Loss rate: 0.65%
```

Run 5: Report of TCP Cubic — Data Link

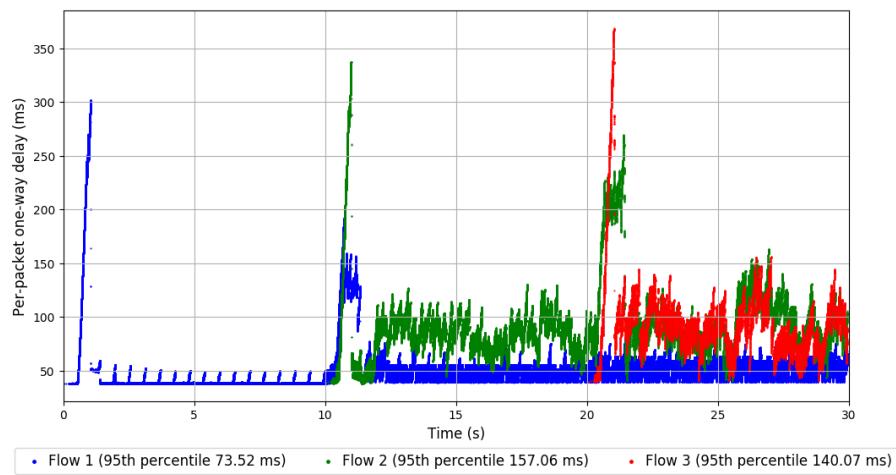
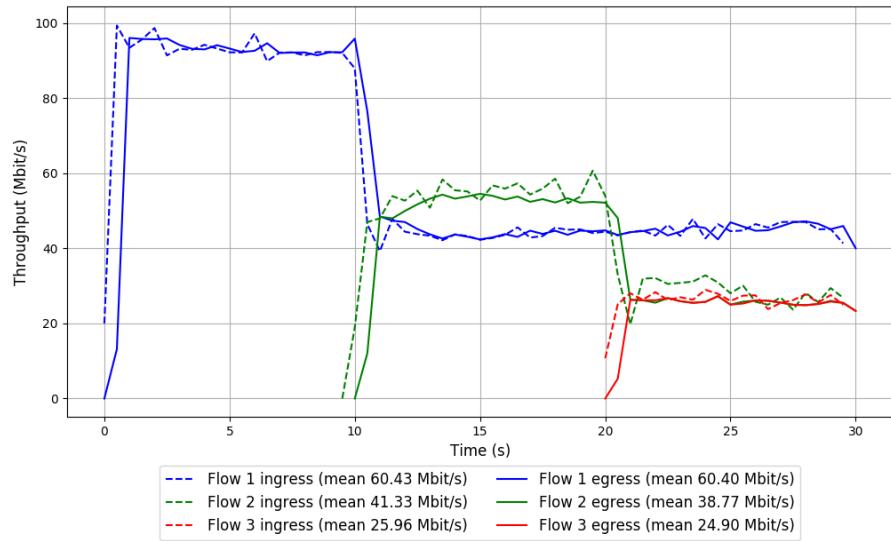


```
Run 1: Statistics of FillP
```

```
Start at: 2019-07-12 16:00:39
End at: 2019-07-12 16:01:09
Local clock offset: 0.406 ms
Remote clock offset: -6.085 ms

# Below is generated by plot.py at 2019-07-12 19:01:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 125.719 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 60.40 Mbit/s
95th percentile per-packet one-way delay: 73.517 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 157.056 ms
Loss rate: 6.46%
-- Flow 3:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 140.068 ms
Loss rate: 4.71%
```

Run 1: Report of FillP — Data Link

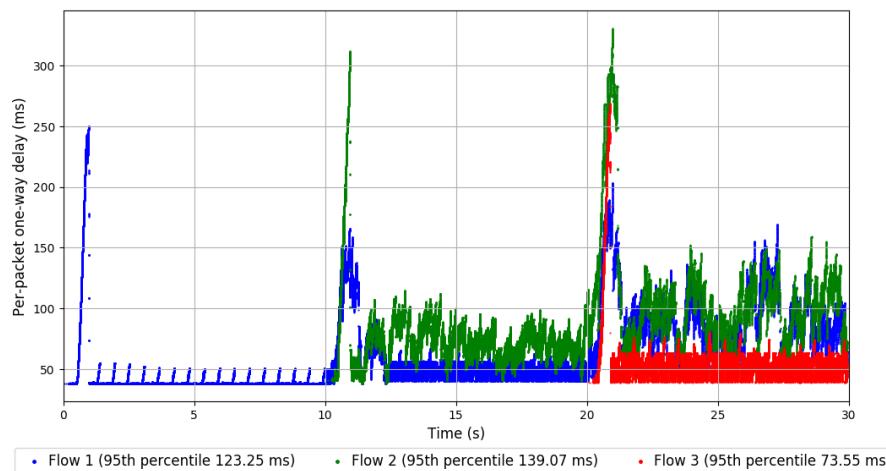
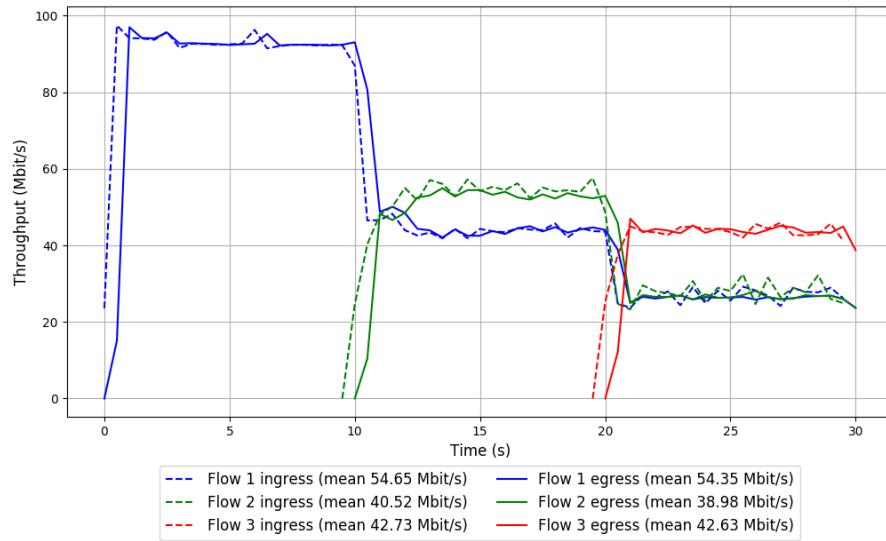


Run 2: Statistics of FillP

```
Start at: 2019-07-12 16:33:37
End at: 2019-07-12 16:34:07
Local clock offset: -2.994 ms
Remote clock offset: -4.193 ms

# Below is generated by plot.py at 2019-07-12 19:01:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 127.747 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 54.35 Mbit/s
95th percentile per-packet one-way delay: 123.247 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 139.068 ms
Loss rate: 4.01%
-- Flow 3:
Average throughput: 42.63 Mbit/s
95th percentile per-packet one-way delay: 73.553 ms
Loss rate: 0.88%
```

Run 2: Report of FillP — Data Link

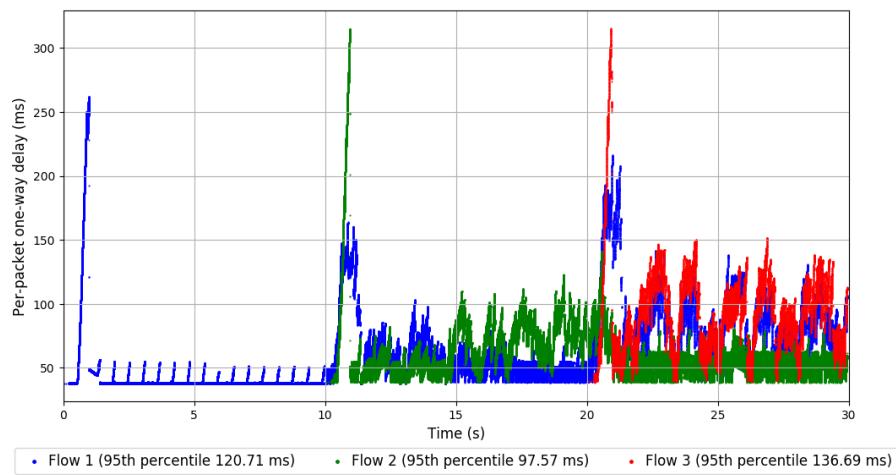
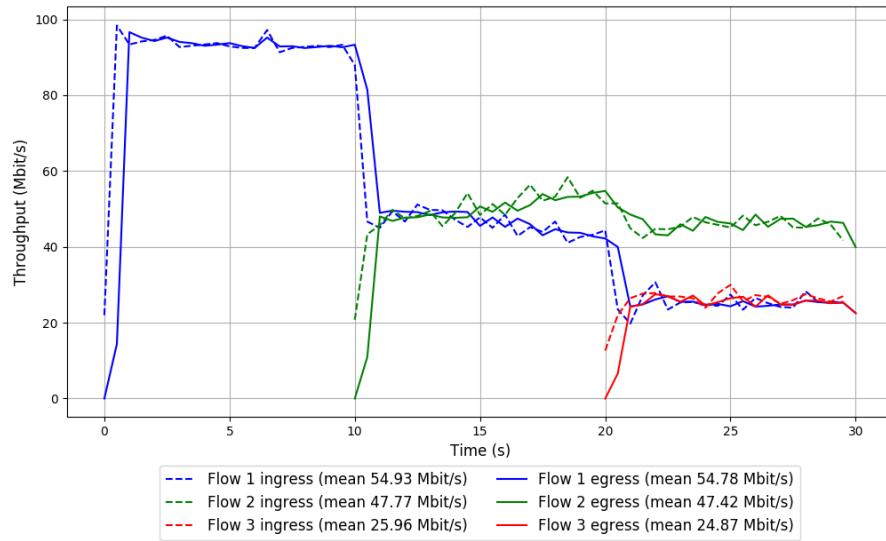


Run 3: Statistics of FillP

```
Start at: 2019-07-12 17:11:09
End at: 2019-07-12 17:11:39
Local clock offset: 3.586 ms
Remote clock offset: -2.833 ms

# Below is generated by plot.py at 2019-07-12 19:01:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.56 Mbit/s
95th percentile per-packet one-way delay: 120.271 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 54.78 Mbit/s
95th percentile per-packet one-way delay: 120.706 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 97.573 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 136.688 ms
Loss rate: 4.67%
```

Run 3: Report of FillP — Data Link

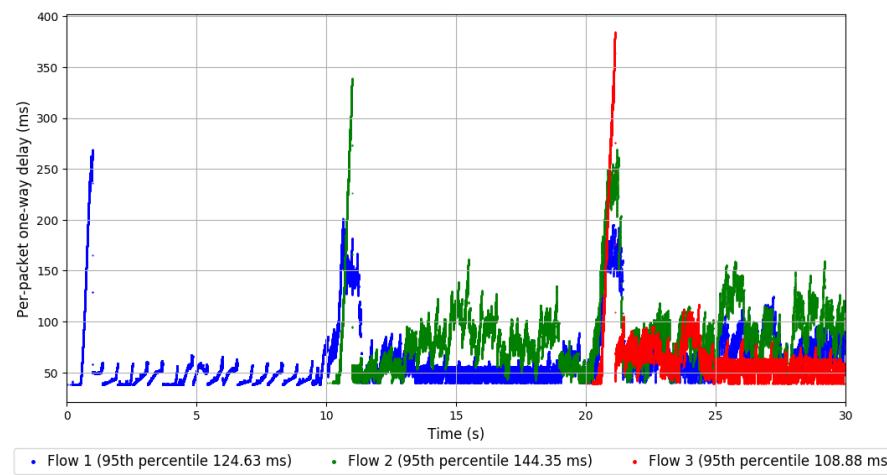
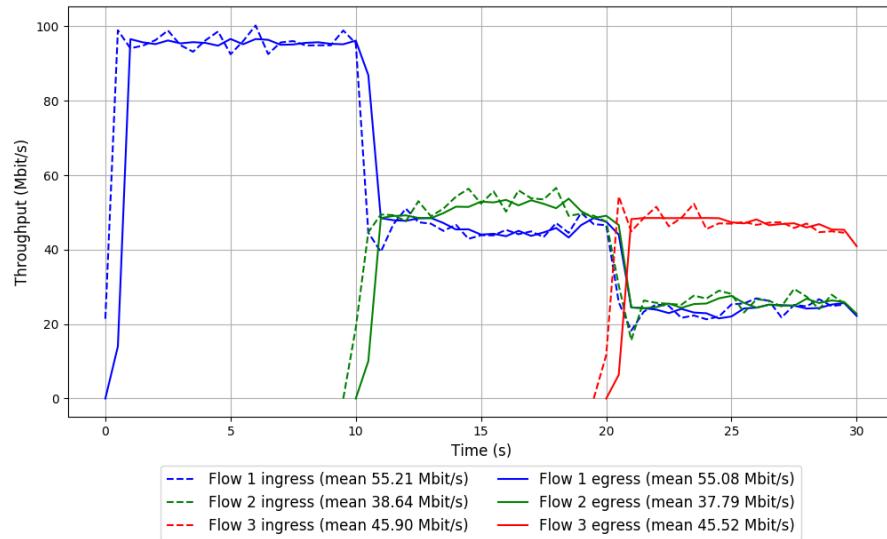


Run 4: Statistics of FillP

```
Start at: 2019-07-12 17:50:16
End at: 2019-07-12 17:50:46
Local clock offset: 10.481 ms
Remote clock offset: -1.97 ms

# Below is generated by plot.py at 2019-07-12 19:01:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 134.916 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 55.08 Mbit/s
95th percentile per-packet one-way delay: 124.629 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 144.349 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 45.52 Mbit/s
95th percentile per-packet one-way delay: 108.883 ms
Loss rate: 1.30%
```

Run 4: Report of FillP — Data Link

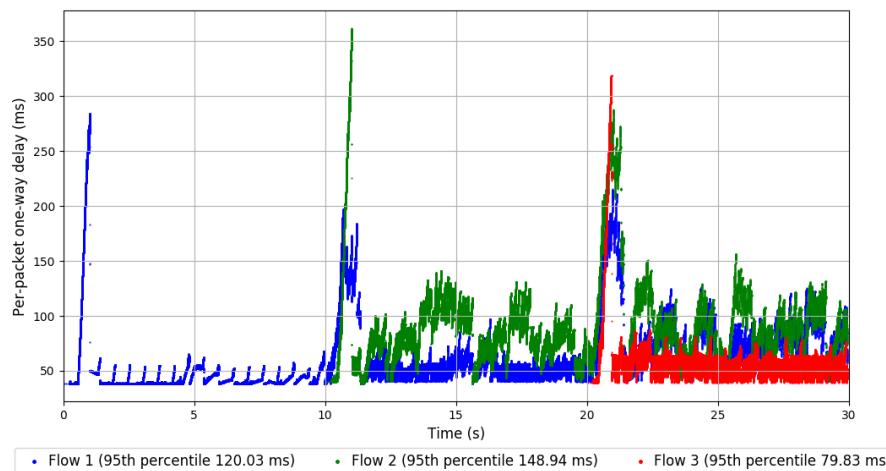
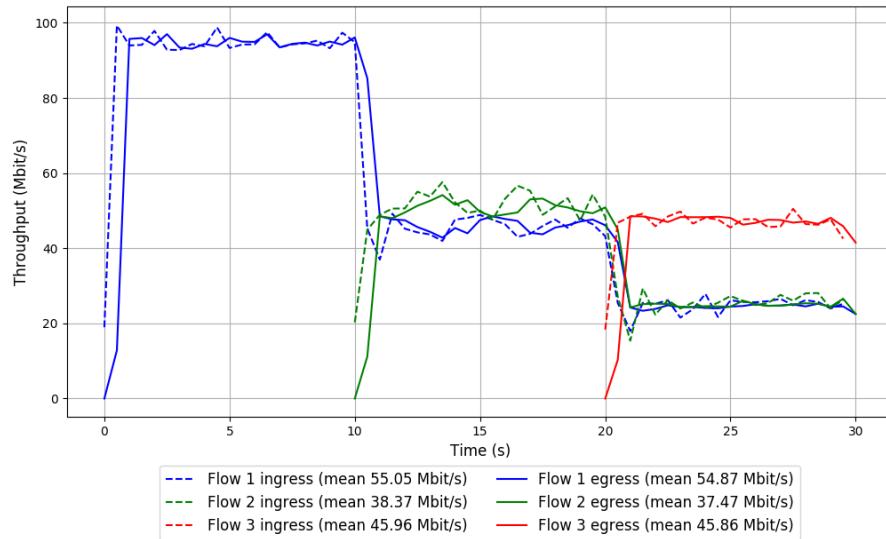


Run 5: Statistics of FillP

```
Start at: 2019-07-12 18:24:34
End at: 2019-07-12 18:25:04
Local clock offset: 9.979 ms
Remote clock offset: -1.02 ms

# Below is generated by plot.py at 2019-07-12 19:02:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 129.187 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 54.87 Mbit/s
95th percentile per-packet one-way delay: 120.026 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 148.935 ms
Loss rate: 2.66%
-- Flow 3:
Average throughput: 45.86 Mbit/s
95th percentile per-packet one-way delay: 79.835 ms
Loss rate: 0.83%
```

Run 5: Report of FillP — Data Link

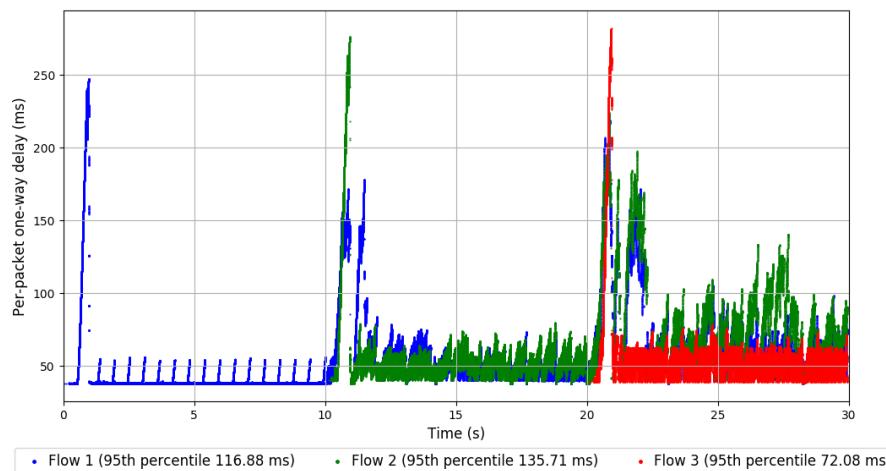
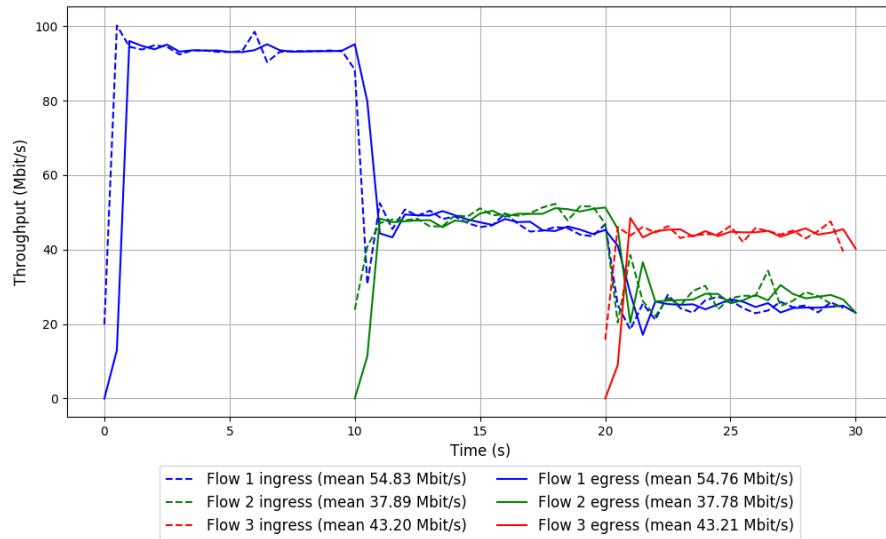


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-07-12 16:18:18
End at: 2019-07-12 16:18:48
Local clock offset: -2.453 ms
Remote clock offset: -5.096 ms

# Below is generated by plot.py at 2019-07-12 19:02:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 121.264 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 54.76 Mbit/s
95th percentile per-packet one-way delay: 116.878 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 135.705 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 72.082 ms
Loss rate: 0.63%
```

Run 1: Report of FillP-Sheep — Data Link

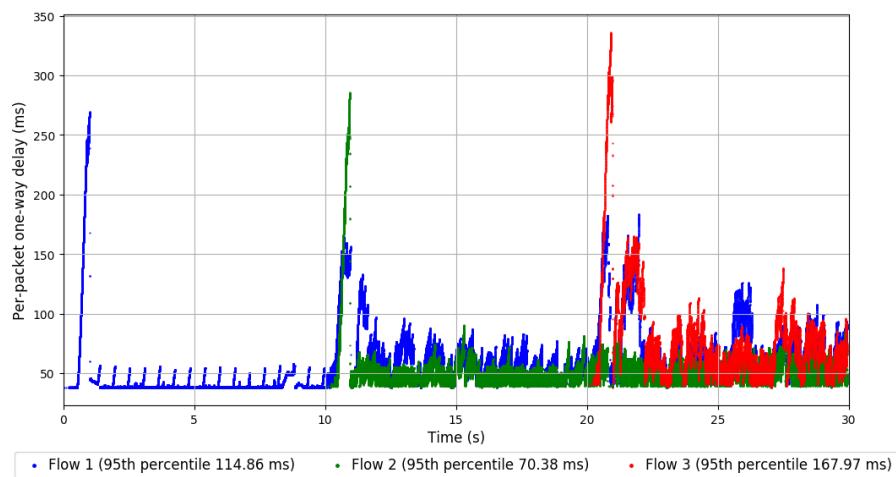
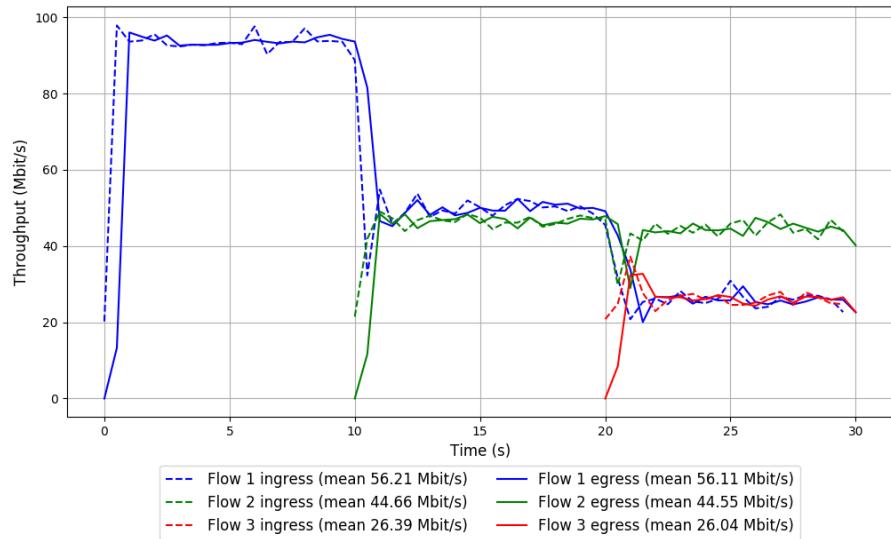


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-07-12 16:54:26
End at: 2019-07-12 16:54:56
Local clock offset: -3.384 ms
Remote clock offset: -3.312 ms

# Below is generated by plot.py at 2019-07-12 19:02:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.36 Mbit/s
95th percentile per-packet one-way delay: 113.058 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 56.11 Mbit/s
95th percentile per-packet one-way delay: 114.861 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 44.55 Mbit/s
95th percentile per-packet one-way delay: 70.382 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 26.04 Mbit/s
95th percentile per-packet one-way delay: 167.967 ms
Loss rate: 1.97%
```

Run 2: Report of FillP-Sheep — Data Link

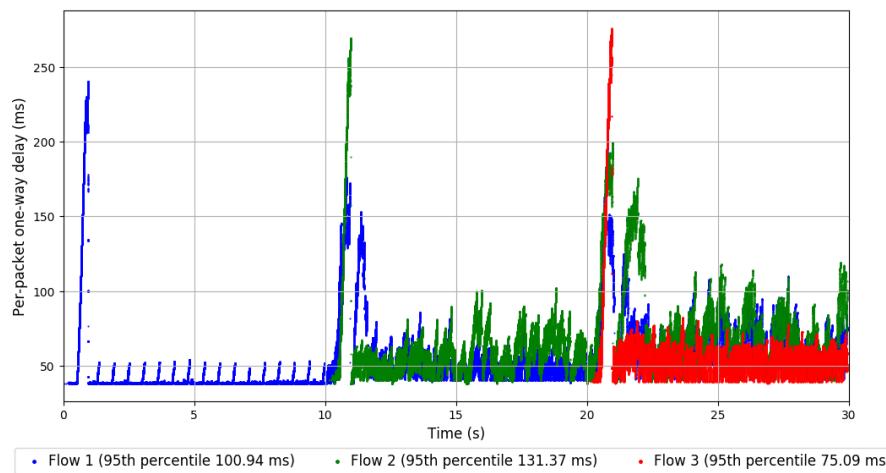
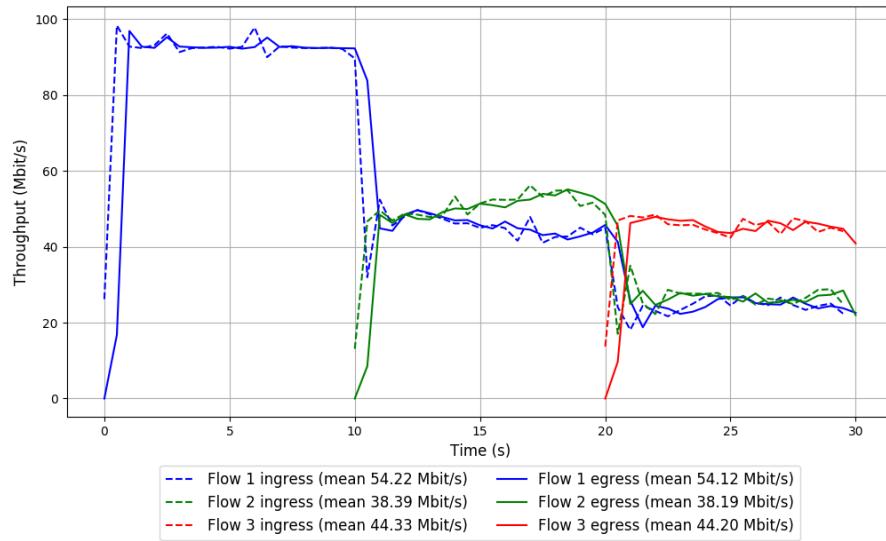


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-07-12 17:29:36
End at: 2019-07-12 17:30:06
Local clock offset: 9.815 ms
Remote clock offset: -2.208 ms

# Below is generated by plot.py at 2019-07-12 19:02:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 107.066 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 54.12 Mbit/s
95th percentile per-packet one-way delay: 100.945 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 38.19 Mbit/s
95th percentile per-packet one-way delay: 131.369 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 44.20 Mbit/s
95th percentile per-packet one-way delay: 75.089 ms
Loss rate: 0.95%
```

Run 3: Report of FillP-Sheep — Data Link

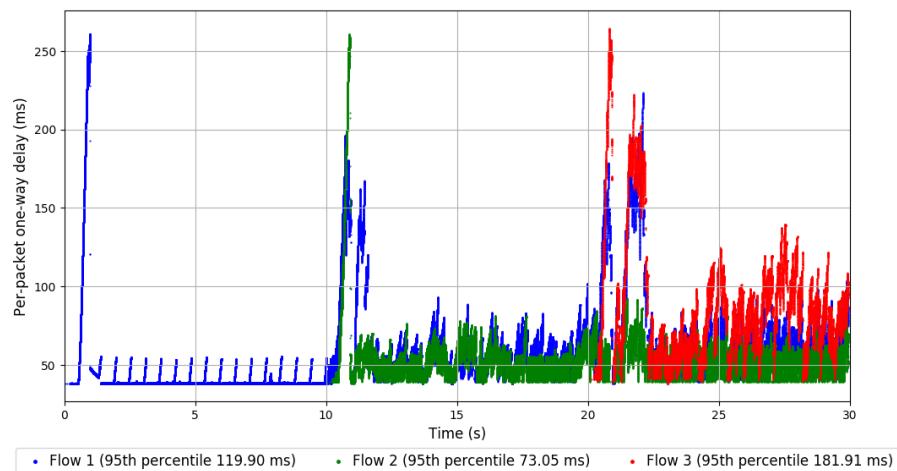
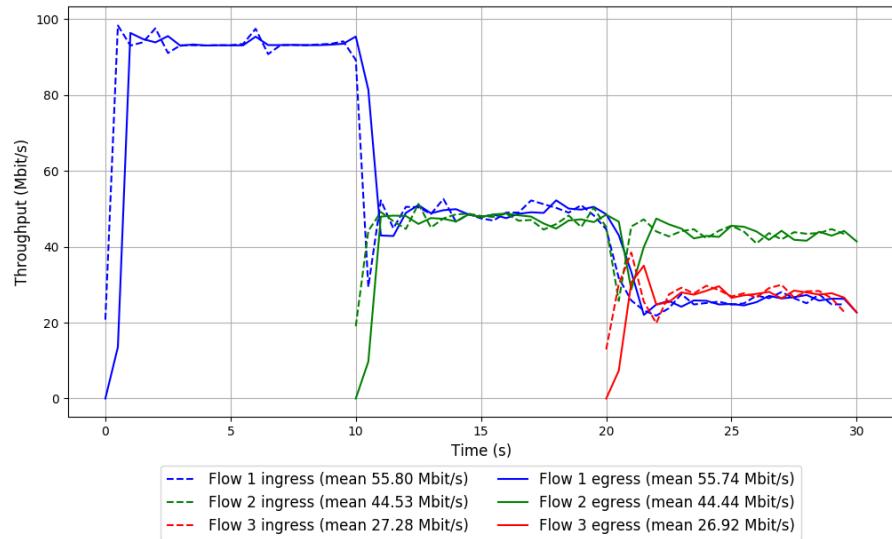


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-07-12 18:08:55
End at: 2019-07-12 18:09:25
Local clock offset: 9.745 ms
Remote clock offset: -1.508 ms

# Below is generated by plot.py at 2019-07-12 19:03:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.23 Mbit/s
95th percentile per-packet one-way delay: 113.963 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 55.74 Mbit/s
95th percentile per-packet one-way delay: 119.898 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 44.44 Mbit/s
95th percentile per-packet one-way delay: 73.047 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 26.92 Mbit/s
95th percentile per-packet one-way delay: 181.912 ms
Loss rate: 1.72%
```

Run 4: Report of FillP-Sheep — Data Link

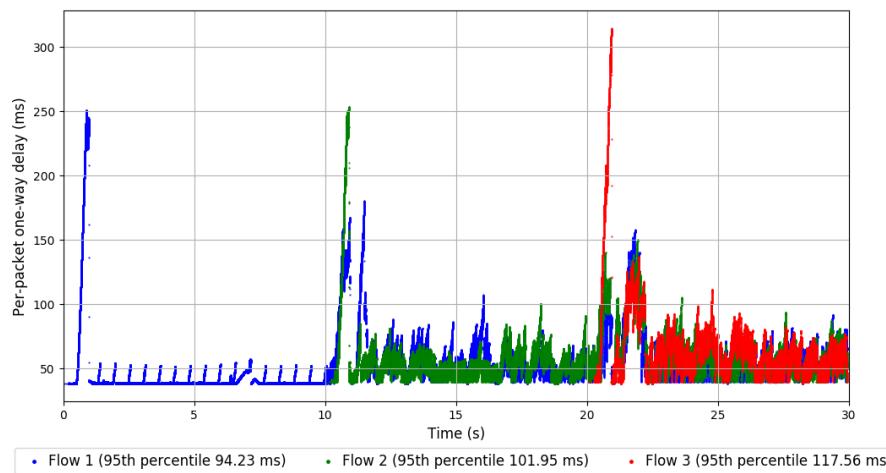
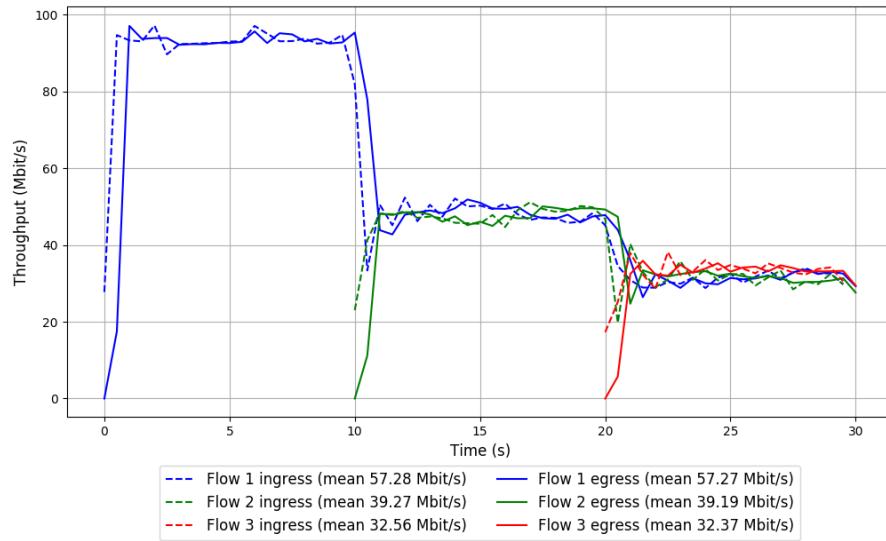


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-07-12 18:42:49
End at: 2019-07-12 18:43:19
Local clock offset: 8.702 ms
Remote clock offset: -1.058 ms

# Below is generated by plot.py at 2019-07-12 19:03:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.05 Mbit/s
95th percentile per-packet one-way delay: 103.126 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 57.27 Mbit/s
95th percentile per-packet one-way delay: 94.230 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 39.19 Mbit/s
95th percentile per-packet one-way delay: 101.953 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 32.37 Mbit/s
95th percentile per-packet one-way delay: 117.556 ms
Loss rate: 1.19%
```

Run 5: Report of FillP-Sheep — Data Link

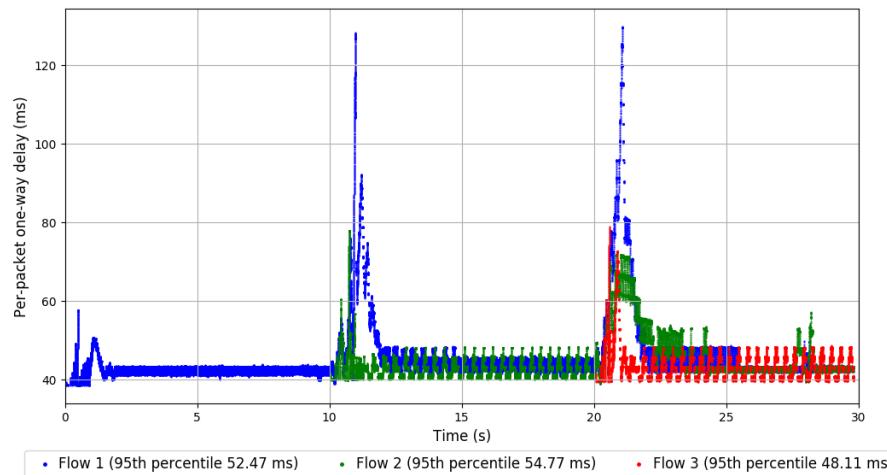
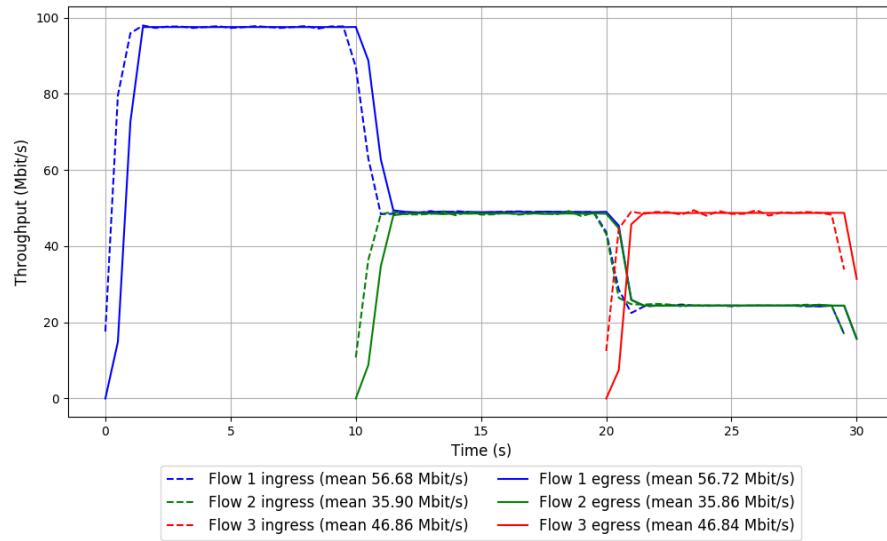


Run 1: Statistics of Indigo

```
Start at: 2019-07-12 16:12:38
End at: 2019-07-12 16:13:08
Local clock offset: -1.995 ms
Remote clock offset: -5.56 ms

# Below is generated by plot.py at 2019-07-12 19:03:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 52.496 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 52.470 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 35.86 Mbit/s
95th percentile per-packet one-way delay: 54.770 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 48.109 ms
Loss rate: 0.71%
```

Run 1: Report of Indigo — Data Link

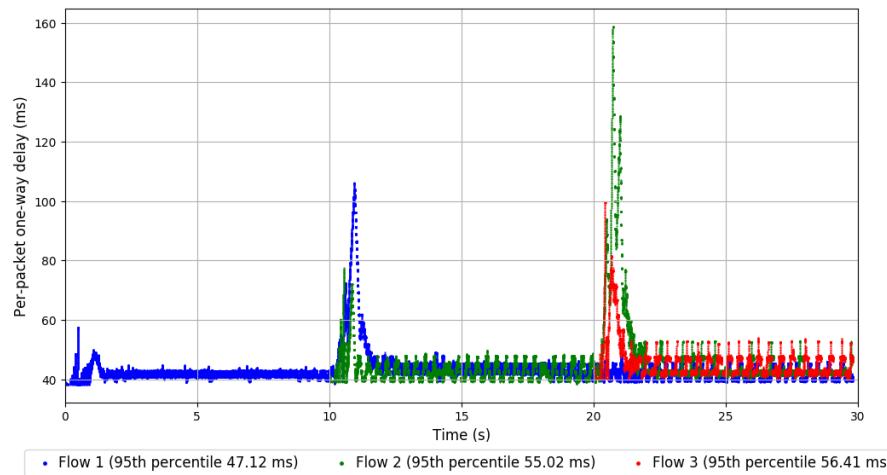
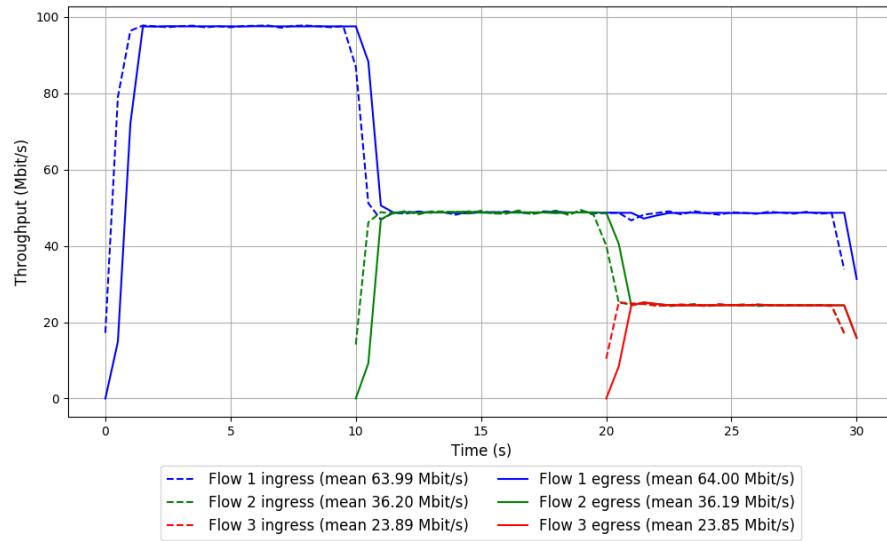


Run 2: Statistics of Indigo

```
Start at: 2019-07-12 16:47:42
End at: 2019-07-12 16:48:12
Local clock offset: -3.286 ms
Remote clock offset: -3.571 ms

# Below is generated by plot.py at 2019-07-12 19:03:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 48.974 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 64.00 Mbit/s
95th percentile per-packet one-way delay: 47.124 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 36.19 Mbit/s
95th percentile per-packet one-way delay: 55.020 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 23.85 Mbit/s
95th percentile per-packet one-way delay: 56.415 ms
Loss rate: 0.87%
```

Run 2: Report of Indigo — Data Link

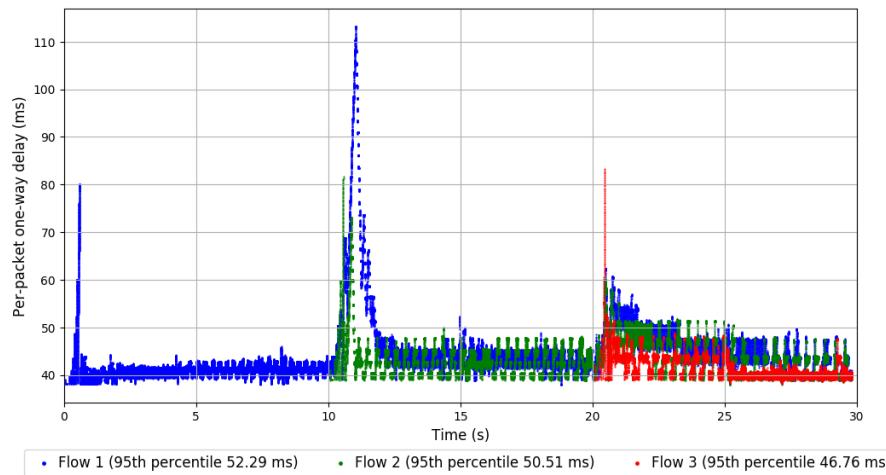
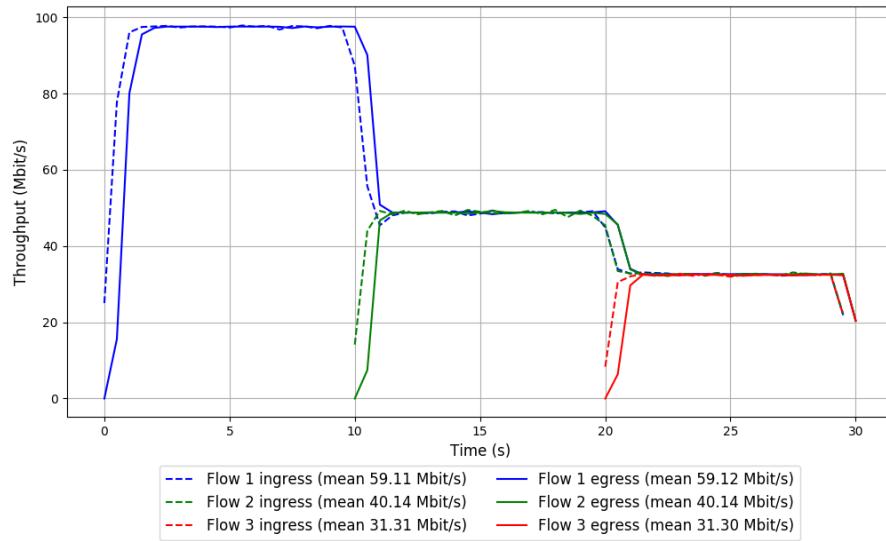


Run 3: Statistics of Indigo

```
Start at: 2019-07-12 17:23:25
End at: 2019-07-12 17:23:55
Local clock offset: 8.557 ms
Remote clock offset: -2.402 ms

# Below is generated by plot.py at 2019-07-12 19:03:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 50.710 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 52.287 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.14 Mbit/s
95th percentile per-packet one-way delay: 50.508 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 46.760 ms
Loss rate: 0.70%
```

Run 3: Report of Indigo — Data Link

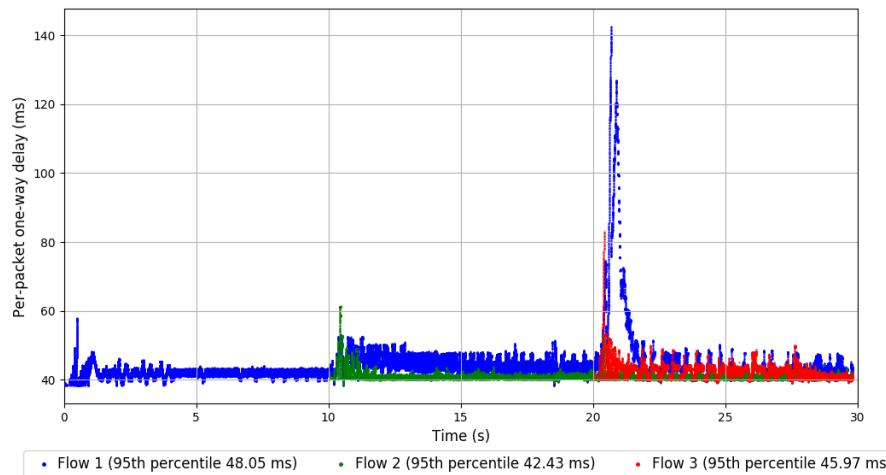
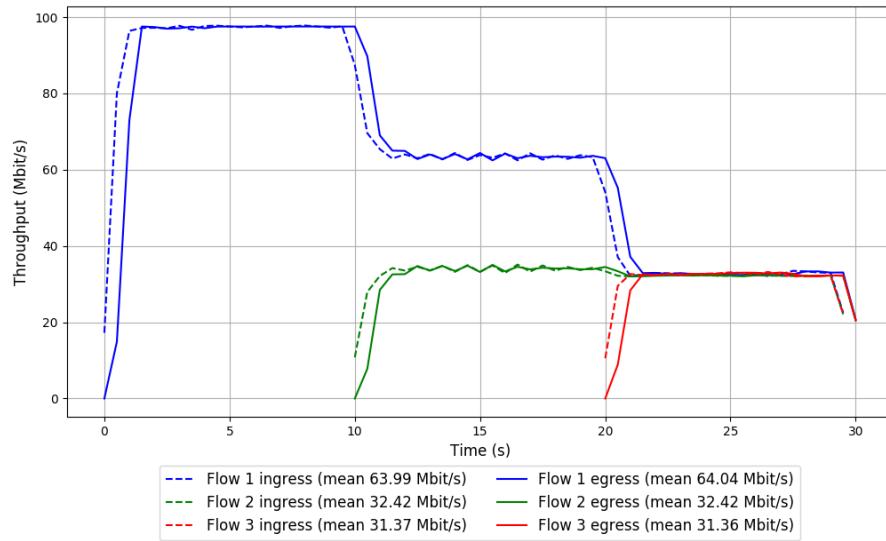


Run 4: Statistics of Indigo

```
Start at: 2019-07-12 18:02:55
End at: 2019-07-12 18:03:25
Local clock offset: 10.412 ms
Remote clock offset: -1.614 ms

# Below is generated by plot.py at 2019-07-12 19:03:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 47.612 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 64.04 Mbit/s
95th percentile per-packet one-way delay: 48.048 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 42.427 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 31.36 Mbit/s
95th percentile per-packet one-way delay: 45.969 ms
Loss rate: 0.70%
```

Run 4: Report of Indigo — Data Link

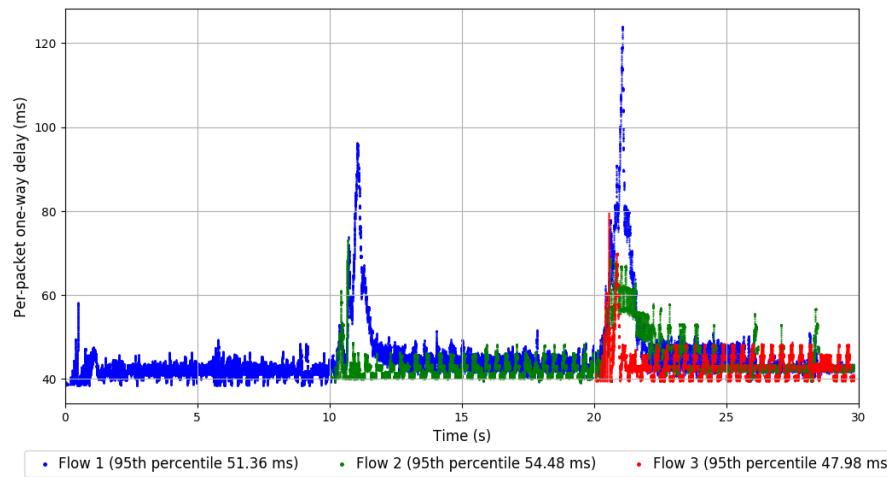
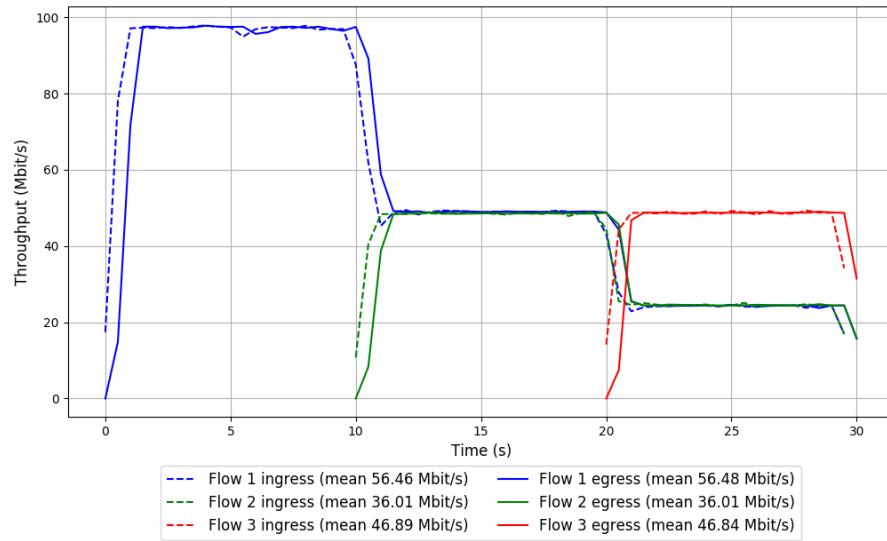


Run 5: Statistics of Indigo

```
Start at: 2019-07-12 18:37:04
End at: 2019-07-12 18:37:34
Local clock offset: 8.962 ms
Remote clock offset: -0.9 ms

# Below is generated by plot.py at 2019-07-12 19:03:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 51.827 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 56.48 Mbit/s
95th percentile per-packet one-way delay: 51.358 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 54.481 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 47.979 ms
Loss rate: 0.76%
```

Run 5: Report of Indigo — Data Link

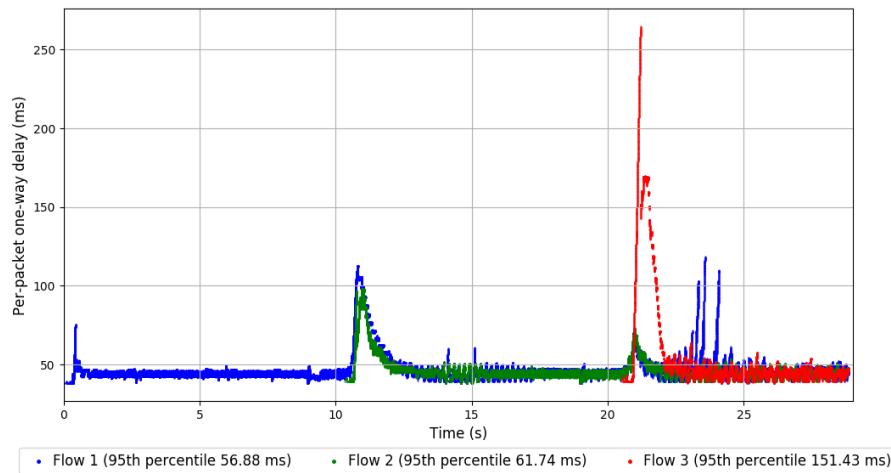
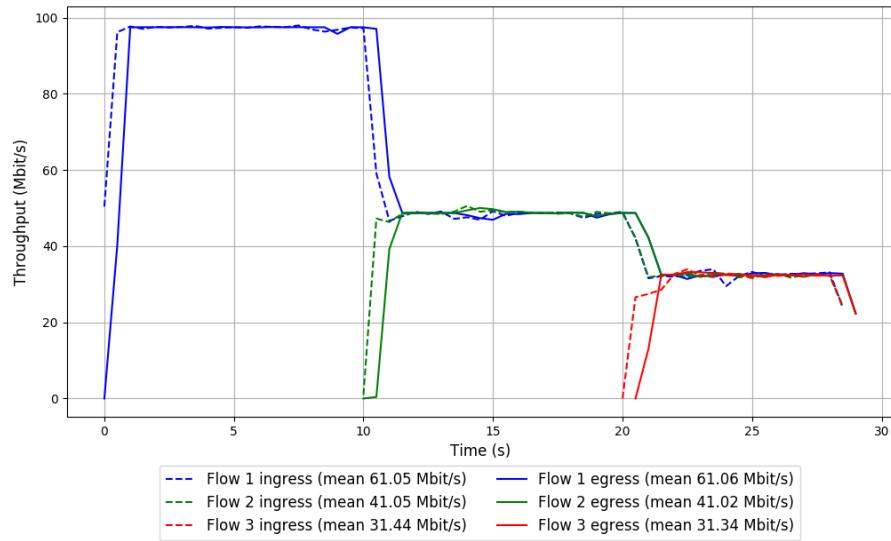


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 15:57:56
End at: 2019-07-12 15:58:26
Local clock offset: 1.11 ms
Remote clock offset: -6.197 ms

# Below is generated by plot.py at 2019-07-12 19:03:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 61.823 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 61.06 Mbit/s
95th percentile per-packet one-way delay: 56.885 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 41.02 Mbit/s
95th percentile per-packet one-way delay: 61.736 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 151.426 ms
Loss rate: 1.07%
```

Run 1: Report of Indigo-MusesC3 — Data Link

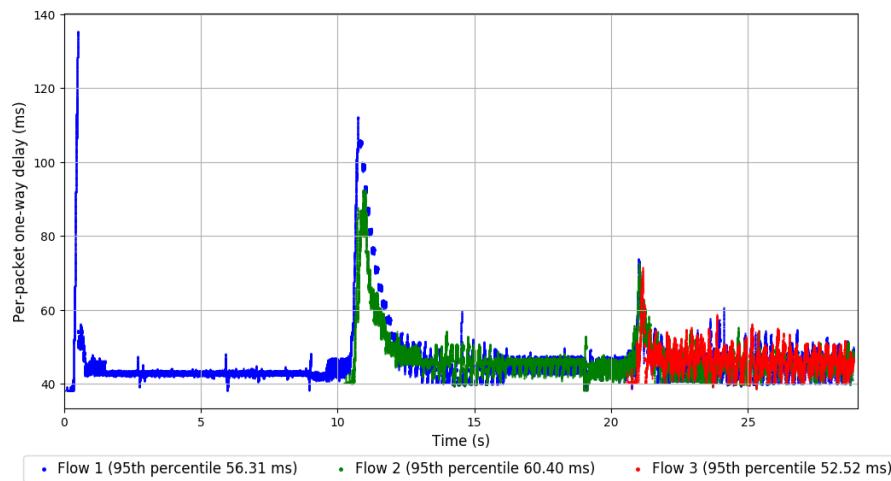
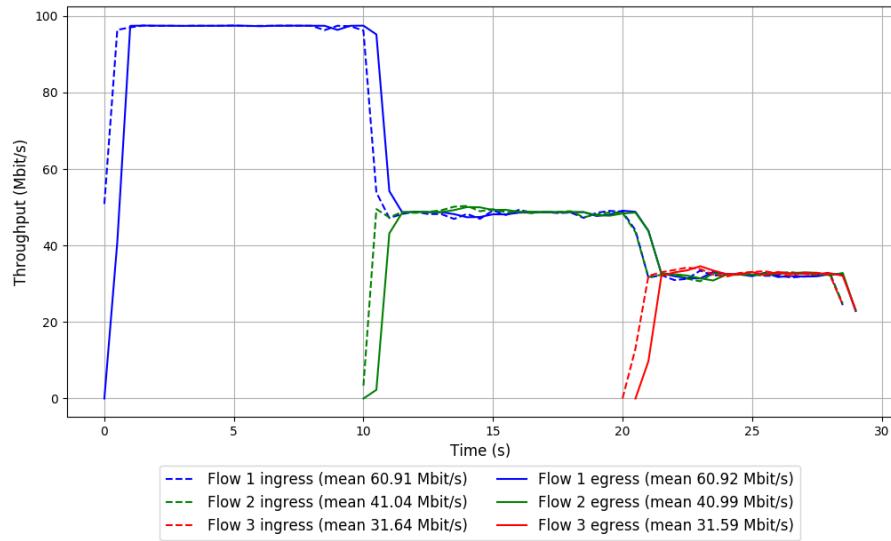


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 16:30:54
End at: 2019-07-12 16:31:24
Local clock offset: -2.892 ms
Remote clock offset: -4.407 ms

# Below is generated by plot.py at 2019-07-12 19:04:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 57.318 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 60.92 Mbit/s
95th percentile per-packet one-way delay: 56.311 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.99 Mbit/s
95th percentile per-packet one-way delay: 60.400 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 52.516 ms
Loss rate: 0.93%
```

Run 2: Report of Indigo-MusesC3 — Data Link

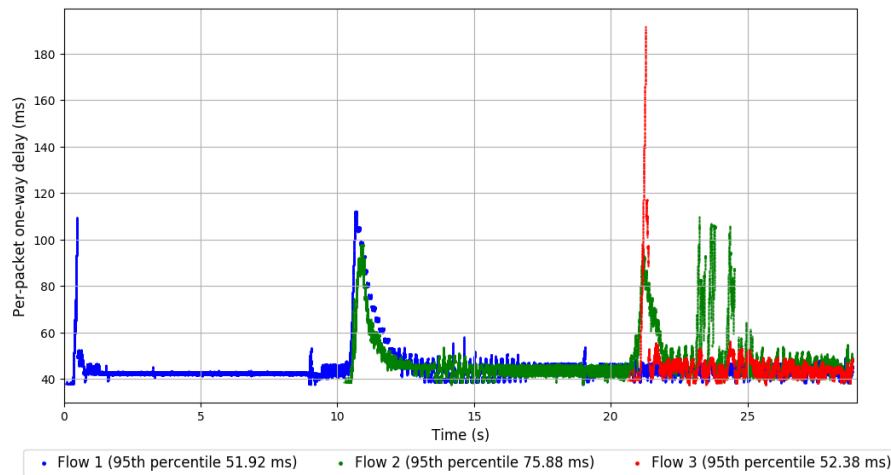
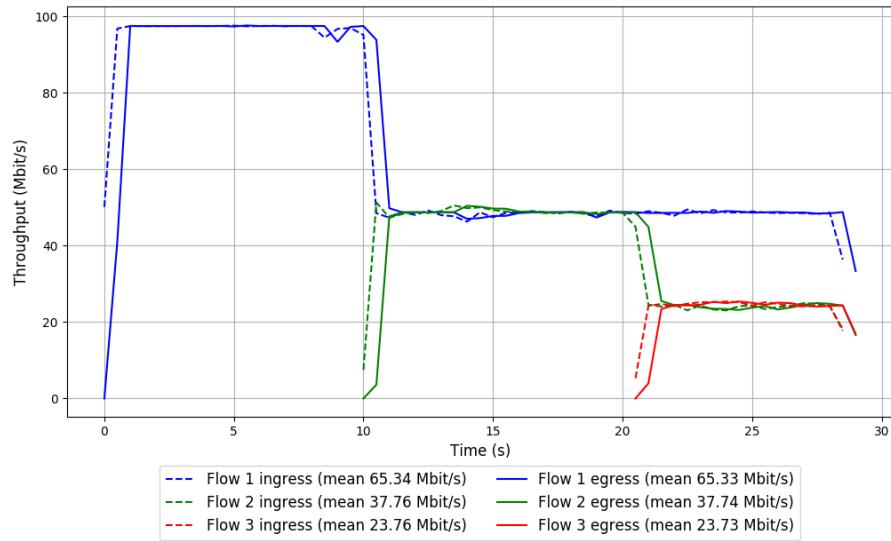


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 17:08:23
End at: 2019-07-12 17:08:53
Local clock offset: 1.587 ms
Remote clock offset: -2.879 ms

# Below is generated by plot.py at 2019-07-12 19:04:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 60.592 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 65.33 Mbit/s
95th percentile per-packet one-way delay: 51.917 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 37.74 Mbit/s
95th percentile per-packet one-way delay: 75.884 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 23.73 Mbit/s
95th percentile per-packet one-way delay: 52.383 ms
Loss rate: 0.91%
```

Run 3: Report of Indigo-MusesC3 — Data Link

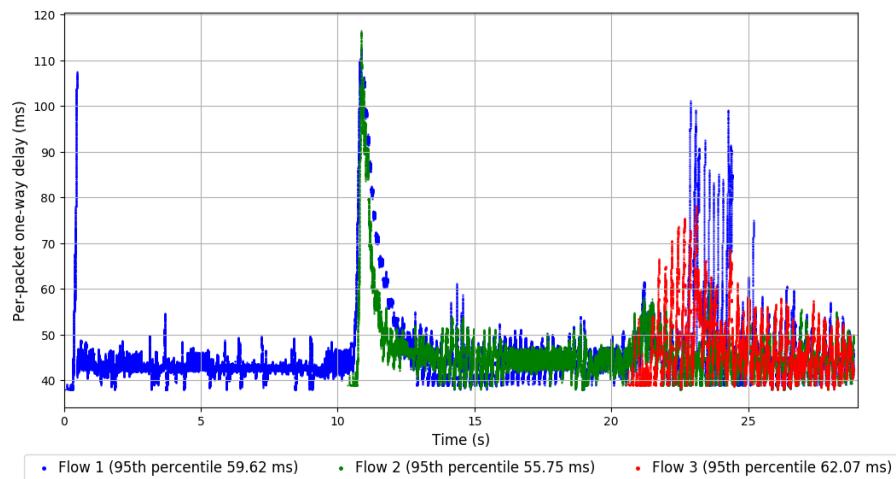
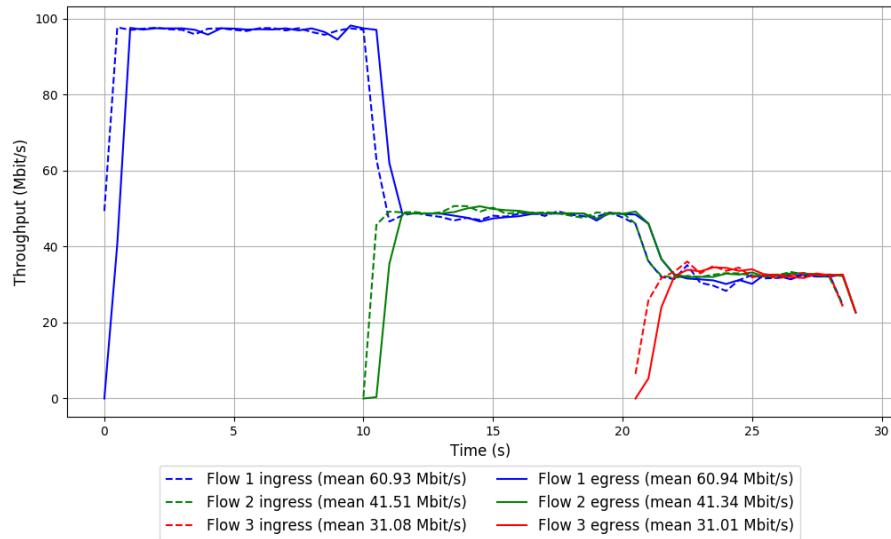


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 17:46:47
End at: 2019-07-12 17:47:17
Local clock offset: 10.128 ms
Remote clock offset: -1.898 ms

# Below is generated by plot.py at 2019-07-12 19:04:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 59.014 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 60.94 Mbit/s
95th percentile per-packet one-way delay: 59.625 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 41.34 Mbit/s
95th percentile per-packet one-way delay: 55.746 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 62.071 ms
Loss rate: 0.96%
```

Run 4: Report of Indigo-MusesC3 — Data Link

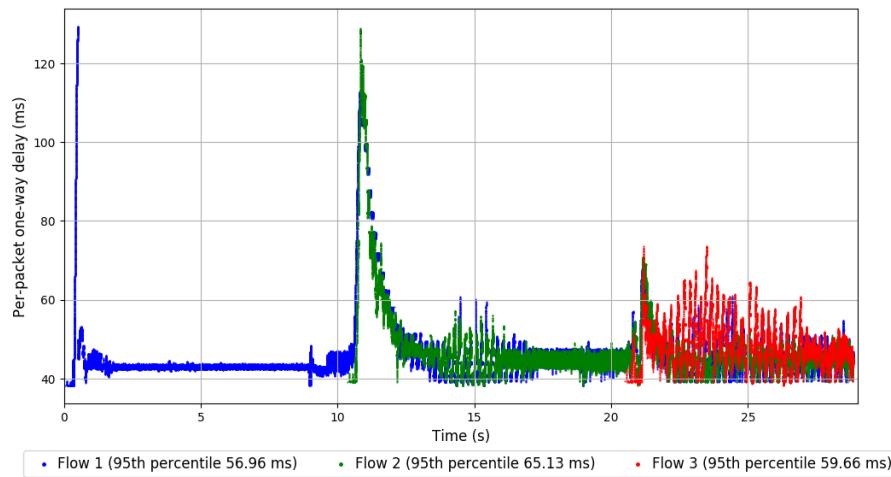
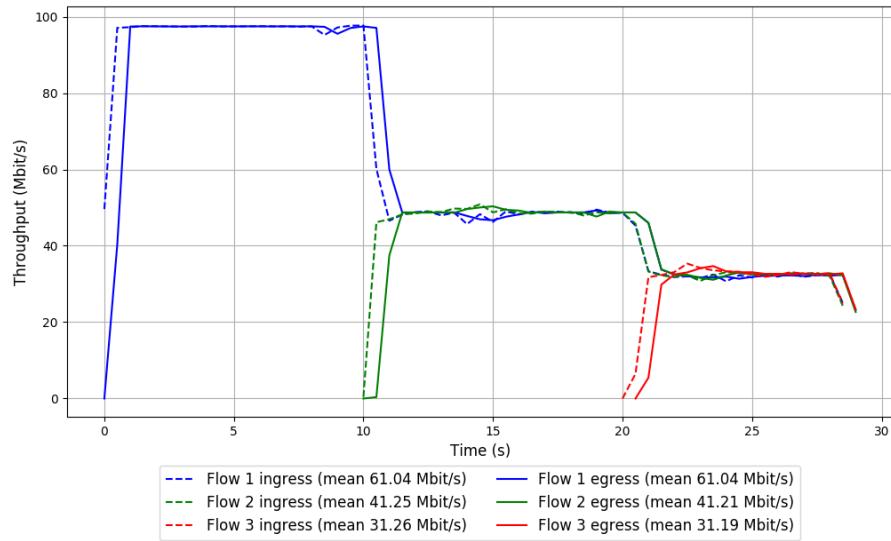


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 18:21:41
End at: 2019-07-12 18:22:11
Local clock offset: 9.818 ms
Remote clock offset: -1.141 ms

# Below is generated by plot.py at 2019-07-12 19:04:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 60.079 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 61.04 Mbit/s
95th percentile per-packet one-way delay: 56.962 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 65.128 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 31.19 Mbit/s
95th percentile per-packet one-way delay: 59.658 ms
Loss rate: 1.00%
```

Run 5: Report of Indigo-MusesC3 — Data Link

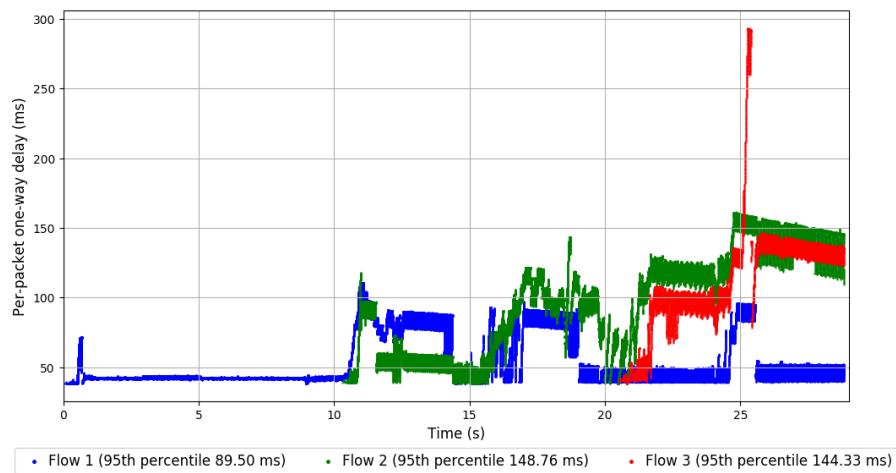
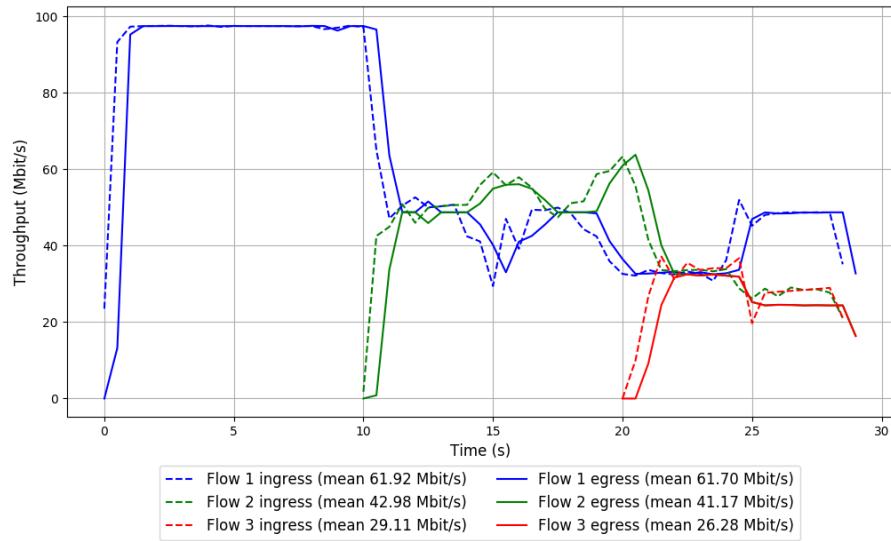


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 16:16:57
End at: 2019-07-12 16:17:27
Local clock offset: -2.342 ms
Remote clock offset: -5.242 ms

# Below is generated by plot.py at 2019-07-12 19:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 135.287 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 61.70 Mbit/s
95th percentile per-packet one-way delay: 89.500 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 41.17 Mbit/s
95th percentile per-packet one-way delay: 148.764 ms
Loss rate: 4.43%
-- Flow 3:
Average throughput: 26.28 Mbit/s
95th percentile per-packet one-way delay: 144.330 ms
Loss rate: 10.38%
```

Run 1: Report of Indigo-MusesC5 — Data Link

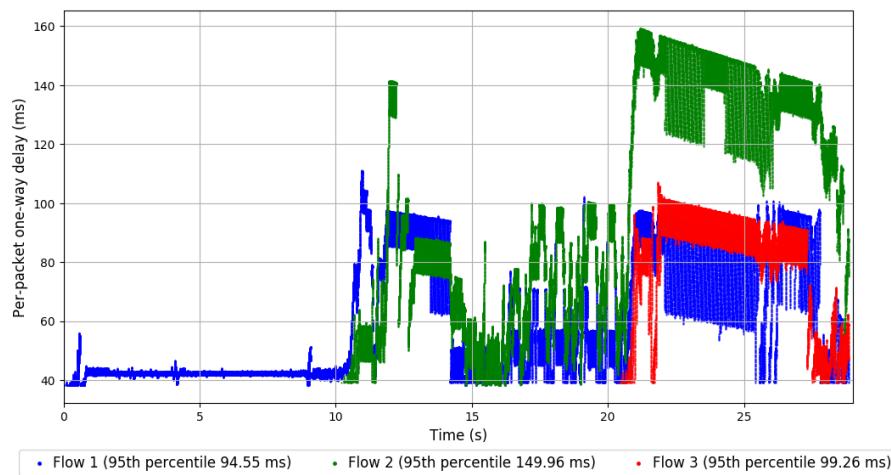
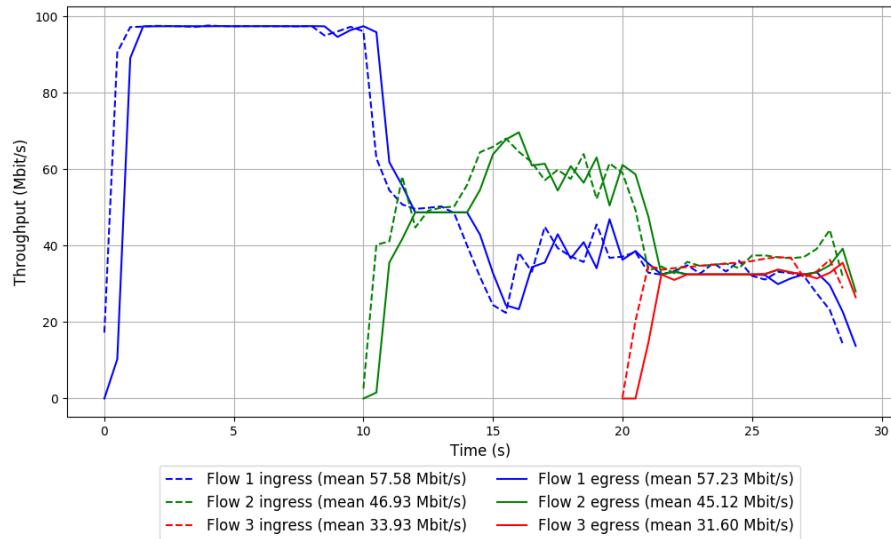


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 16:52:50
End at: 2019-07-12 16:53:20
Local clock offset: -3.38 ms
Remote clock offset: -3.456 ms

# Below is generated by plot.py at 2019-07-12 19:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 138.775 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 94.546 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 45.12 Mbit/s
95th percentile per-packet one-way delay: 149.959 ms
Loss rate: 4.16%
-- Flow 3:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 99.263 ms
Loss rate: 7.57%
```

Run 2: Report of Indigo-MusesC5 — Data Link

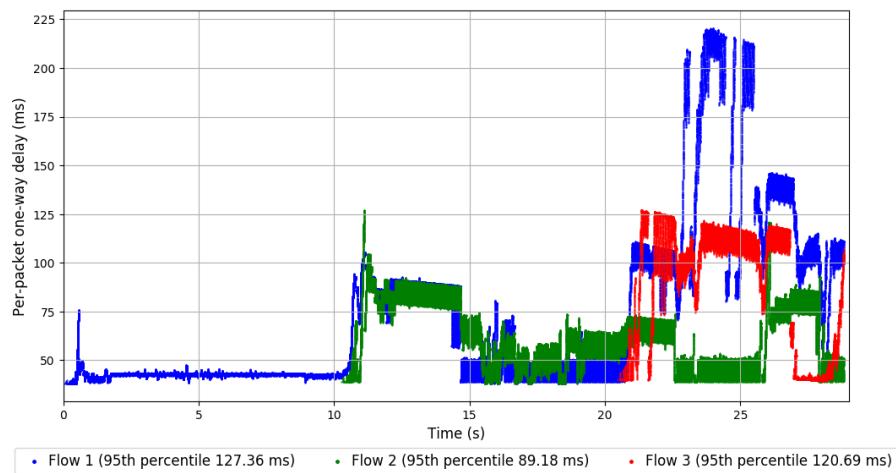
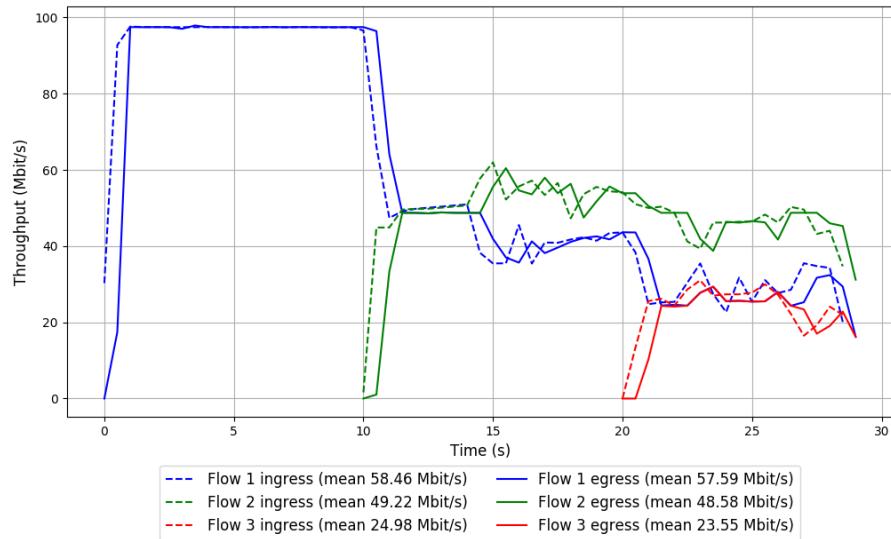


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 17:27:56
End at: 2019-07-12 17:28:26
Local clock offset: 9.654 ms
Remote clock offset: -2.269 ms

# Below is generated by plot.py at 2019-07-12 19:04:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 115.464 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 57.59 Mbit/s
95th percentile per-packet one-way delay: 127.361 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 89.179 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 23.55 Mbit/s
95th percentile per-packet one-way delay: 120.689 ms
Loss rate: 6.38%
```

Run 3: Report of Indigo-MusesC5 — Data Link

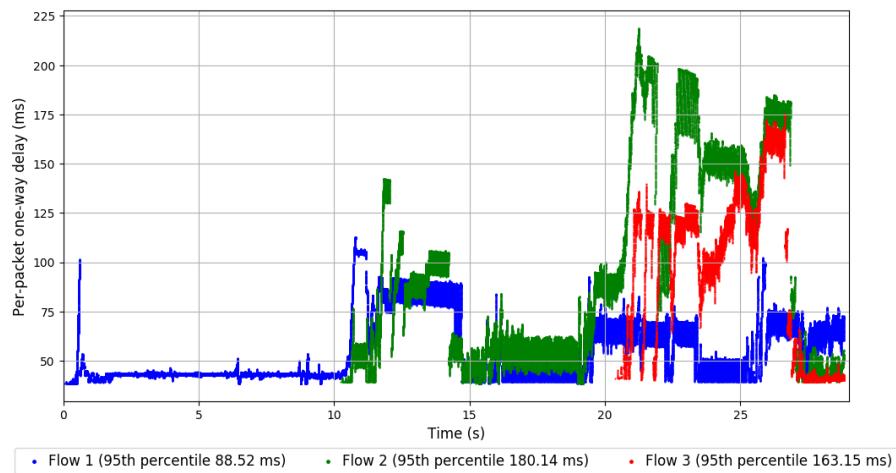
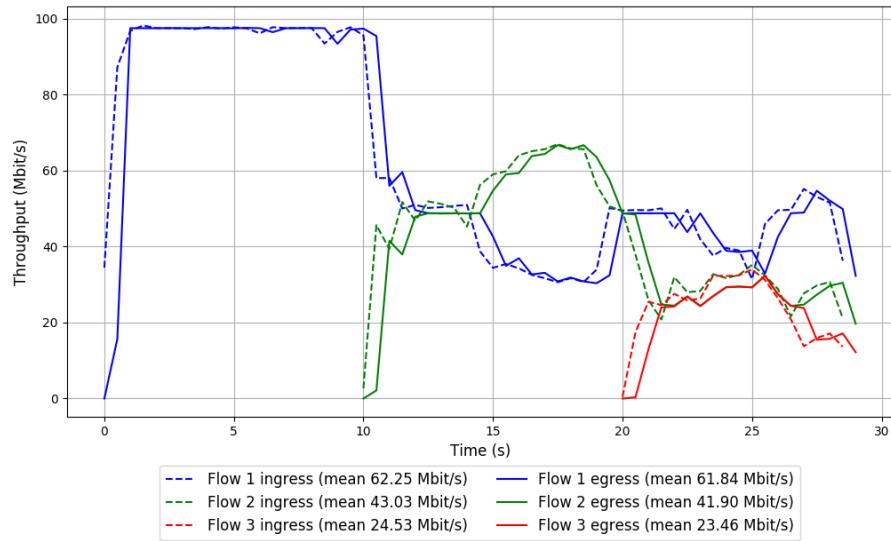


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 18:07:33
End at: 2019-07-12 18:08:03
Local clock offset: 9.833 ms
Remote clock offset: -1.602 ms

# Below is generated by plot.py at 2019-07-12 19:05:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 146.819 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 61.84 Mbit/s
95th percentile per-packet one-way delay: 88.518 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 41.90 Mbit/s
95th percentile per-packet one-way delay: 180.142 ms
Loss rate: 2.96%
-- Flow 3:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 163.153 ms
Loss rate: 5.10%
```

Run 4: Report of Indigo-MusesC5 — Data Link

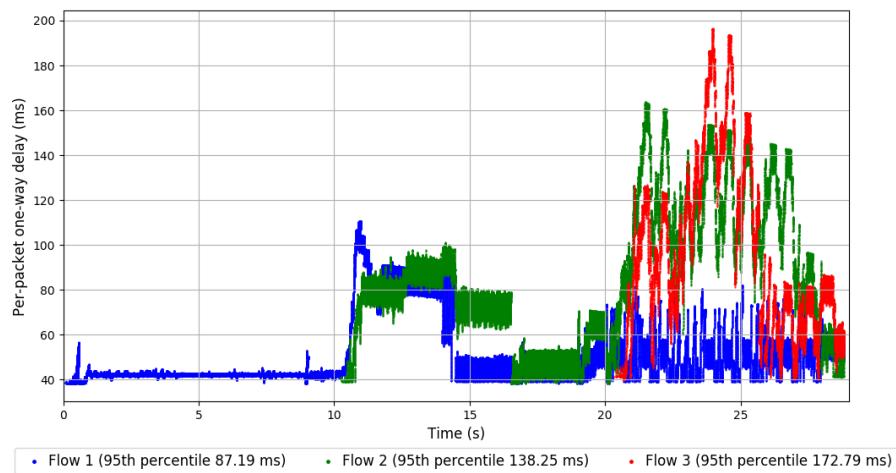
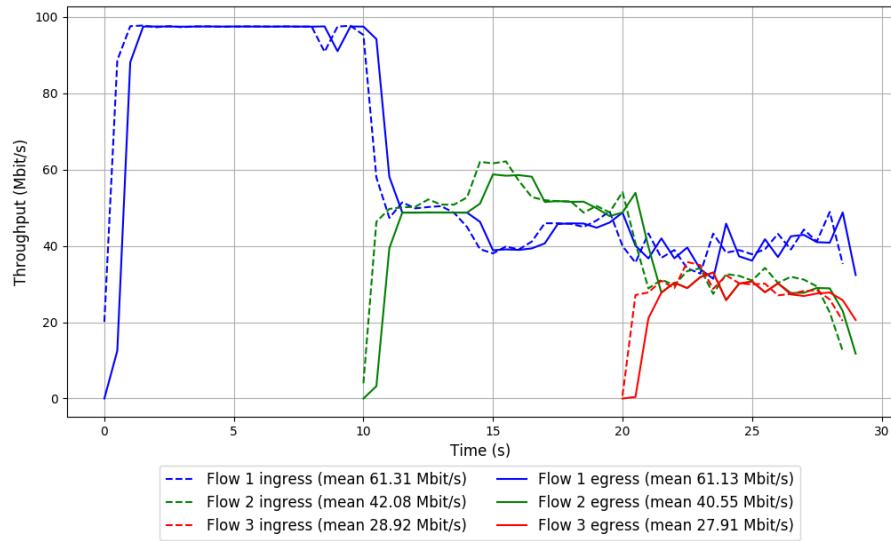


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 18:41:23
End at: 2019-07-12 18:41:53
Local clock offset: 8.731 ms
Remote clock offset: -0.953 ms

# Below is generated by plot.py at 2019-07-12 19:05:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 121.836 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 61.13 Mbit/s
95th percentile per-packet one-way delay: 87.190 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 138.253 ms
Loss rate: 3.96%
-- Flow 3:
Average throughput: 27.91 Mbit/s
95th percentile per-packet one-way delay: 172.789 ms
Loss rate: 4.23%
```

Run 5: Report of Indigo-MusesC5 — Data Link

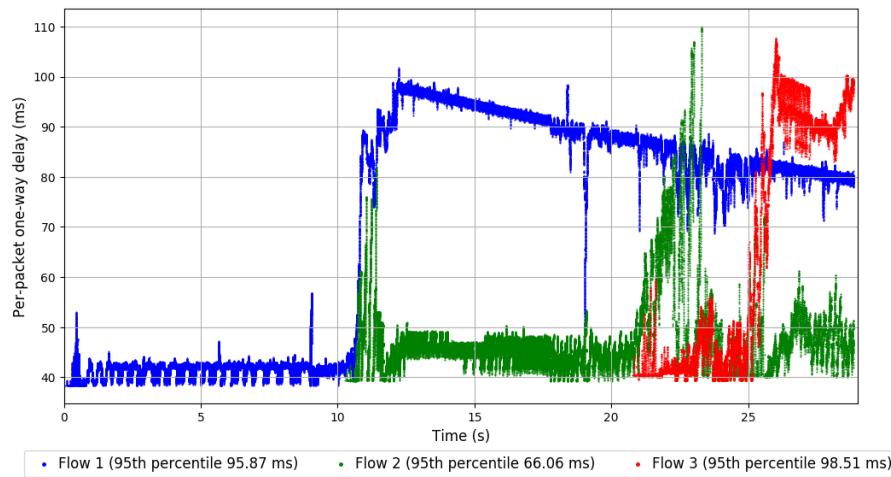
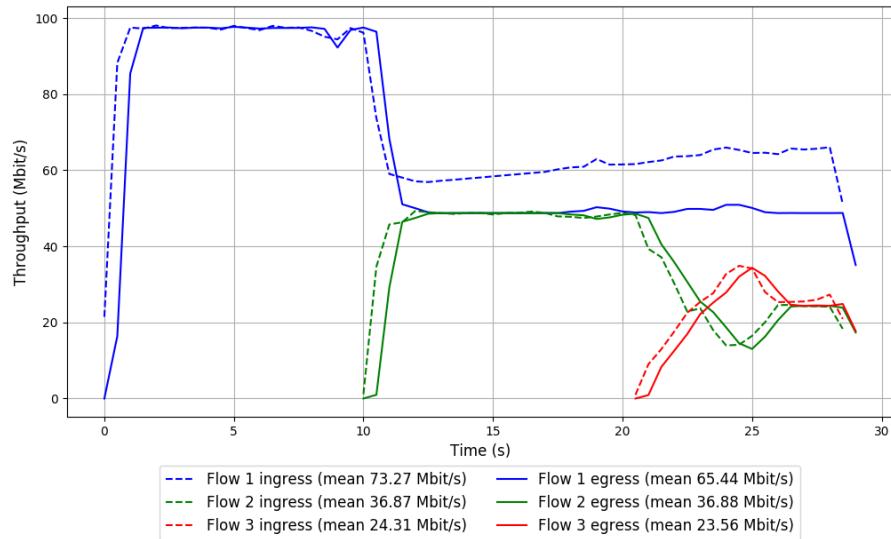


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 16:14:01
End at: 2019-07-12 16:14:31
Local clock offset: -2.157 ms
Remote clock offset: -5.481 ms

# Below is generated by plot.py at 2019-07-12 19:05:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 95.381 ms
Loss rate: 8.00%
-- Flow 1:
Average throughput: 65.44 Mbit/s
95th percentile per-packet one-way delay: 95.867 ms
Loss rate: 10.88%
-- Flow 2:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 66.062 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 23.56 Mbit/s
95th percentile per-packet one-way delay: 98.508 ms
Loss rate: 3.85%
```

Run 1: Report of Indigo-MusesD — Data Link

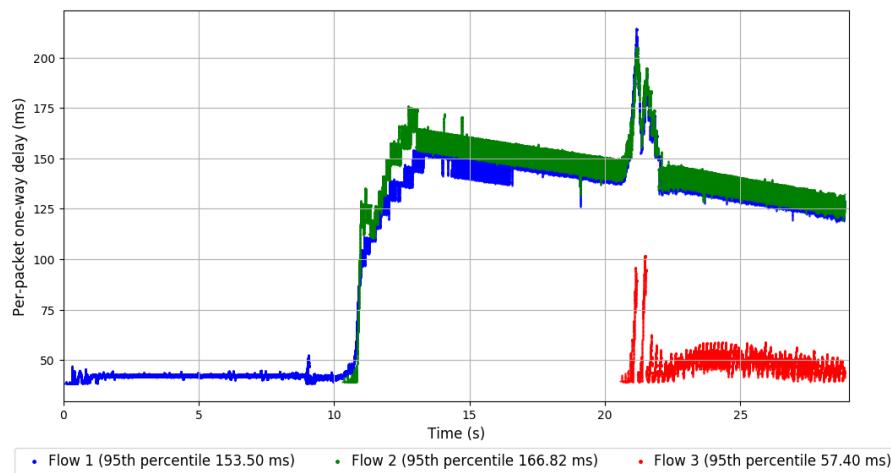
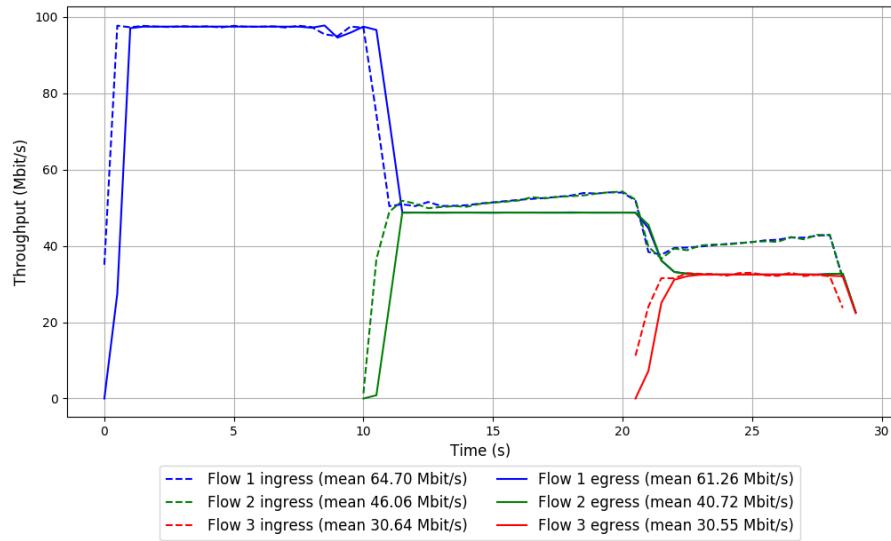


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 16:49:31
End at: 2019-07-12 16:50:01
Local clock offset: -3.29 ms
Remote clock offset: -3.671 ms

# Below is generated by plot.py at 2019-07-12 19:05:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 160.337 ms
Loss rate: 6.96%
-- Flow 1:
Average throughput: 61.26 Mbit/s
95th percentile per-packet one-way delay: 153.498 ms
Loss rate: 5.52%
-- Flow 2:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 166.821 ms
Loss rate: 11.88%
-- Flow 3:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 57.398 ms
Loss rate: 1.03%
```

Run 2: Report of Indigo-MusesD — Data Link

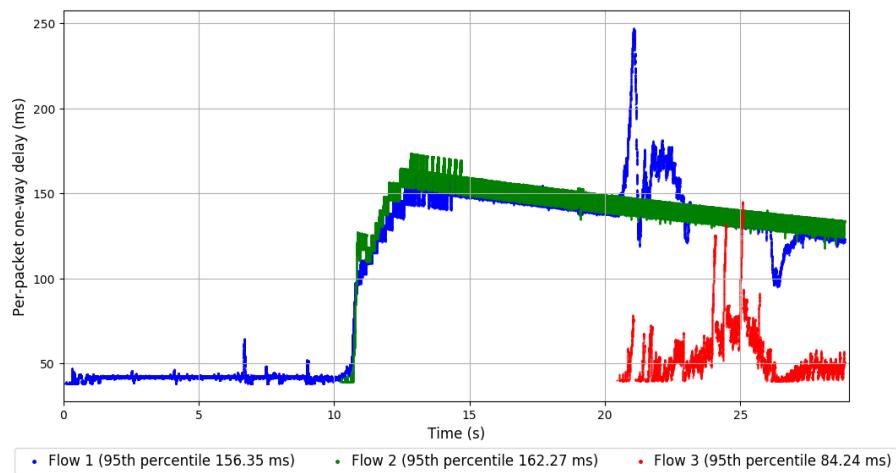
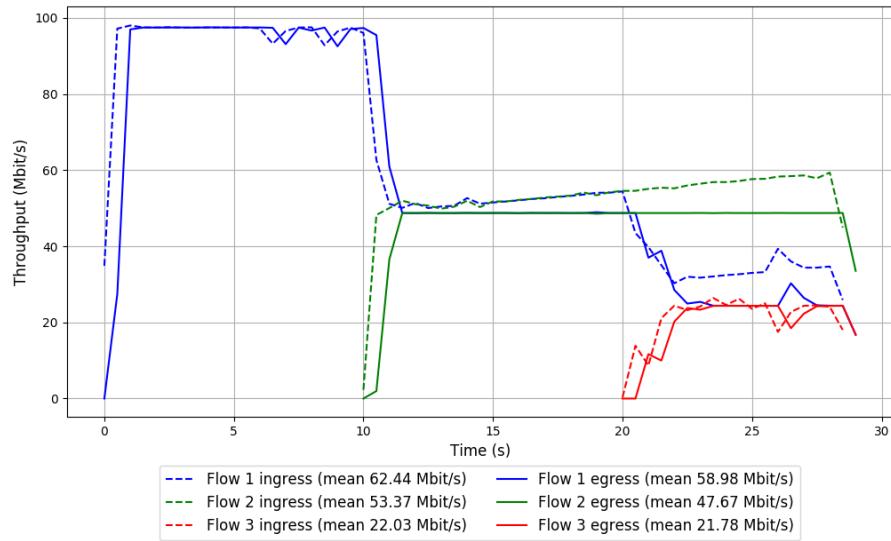


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 17:24:49
End at: 2019-07-12 17:25:19
Local clock offset: 8.95 ms
Remote clock offset: -2.394 ms

# Below is generated by plot.py at 2019-07-12 19:05:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 158.698 ms
Loss rate: 7.25%
-- Flow 1:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 156.353 ms
Loss rate: 5.75%
-- Flow 2:
Average throughput: 47.67 Mbit/s
95th percentile per-packet one-way delay: 162.272 ms
Loss rate: 10.98%
-- Flow 3:
Average throughput: 21.78 Mbit/s
95th percentile per-packet one-way delay: 84.238 ms
Loss rate: 1.91%
```

Run 3: Report of Indigo-MusesD — Data Link

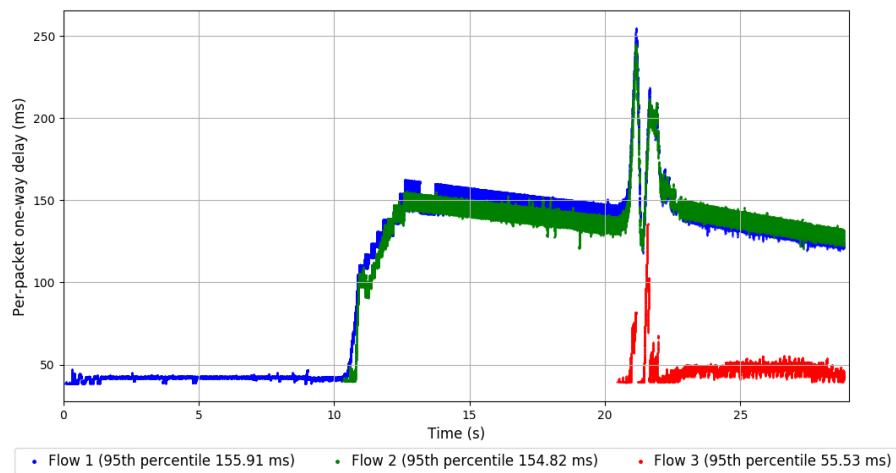
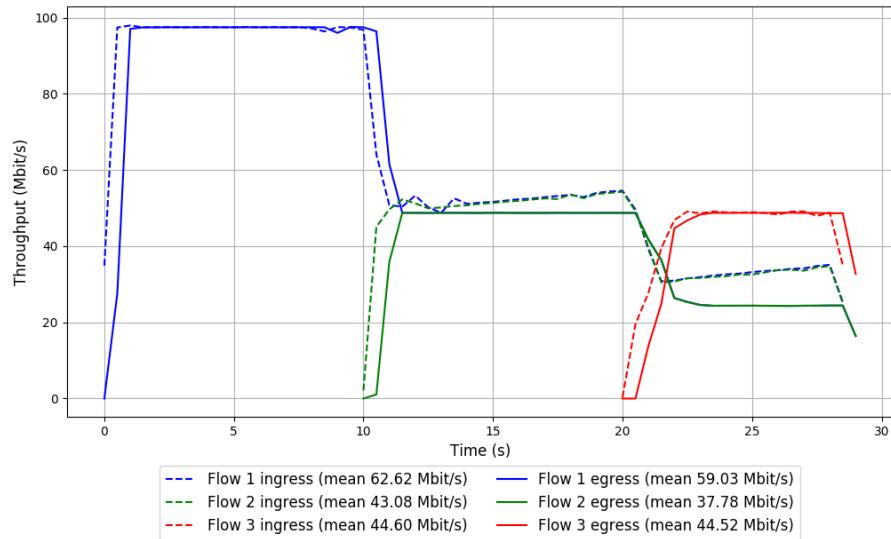


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 18:04:34
End at: 2019-07-12 18:05:04
Local clock offset: 10.134 ms
Remote clock offset: -1.559 ms

# Below is generated by plot.py at 2019-07-12 19:06:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 154.809 ms
Loss rate: 7.09%
-- Flow 1:
Average throughput: 59.03 Mbit/s
95th percentile per-packet one-way delay: 155.914 ms
Loss rate: 5.92%
-- Flow 2:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 154.819 ms
Loss rate: 12.62%
-- Flow 3:
Average throughput: 44.52 Mbit/s
95th percentile per-packet one-way delay: 55.527 ms
Loss rate: 0.94%
```

Run 4: Report of Indigo-MusesD — Data Link

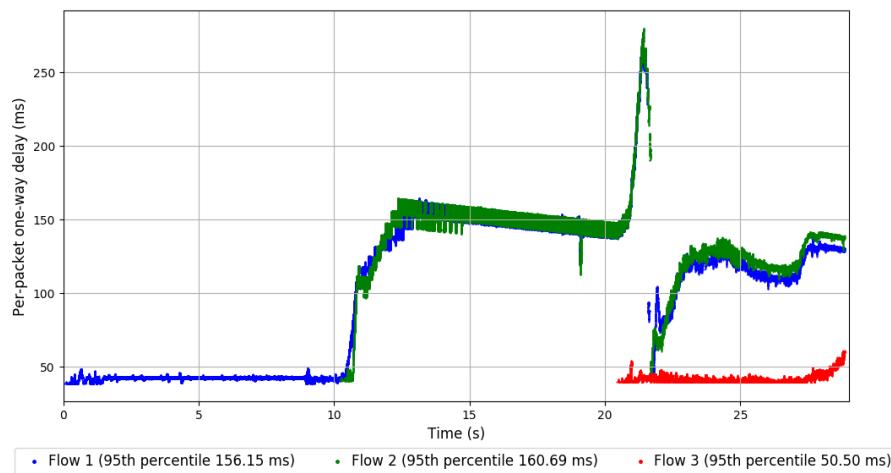
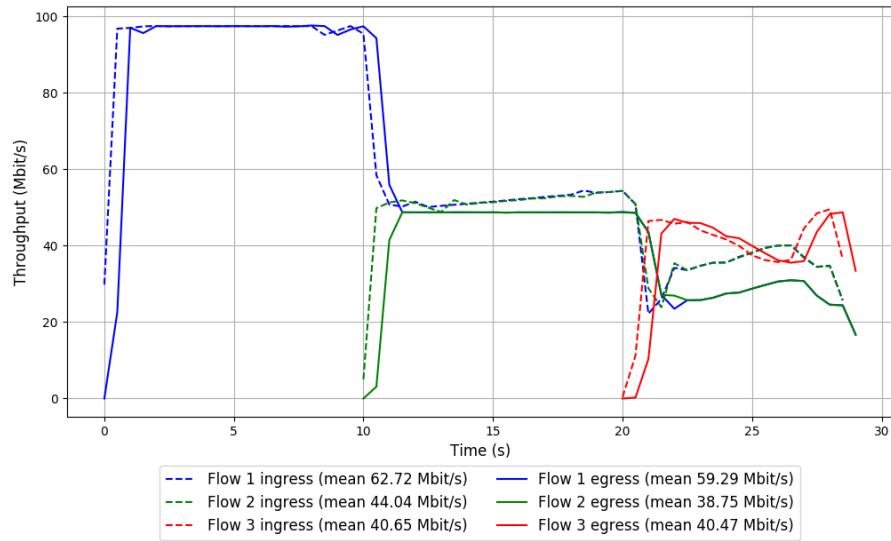


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 18:38:40
End at: 2019-07-12 18:39:10
Local clock offset: 8.856 ms
Remote clock offset: -0.939 ms

# Below is generated by plot.py at 2019-07-12 19:06:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 157.311 ms
Loss rate: 6.99%
-- Flow 1:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: 156.145 ms
Loss rate: 5.67%
-- Flow 2:
Average throughput: 38.75 Mbit/s
95th percentile per-packet one-way delay: 160.693 ms
Loss rate: 12.32%
-- Flow 3:
Average throughput: 40.47 Mbit/s
95th percentile per-packet one-way delay: 50.499 ms
Loss rate: 1.20%
```

Run 5: Report of Indigo-MusesD — Data Link

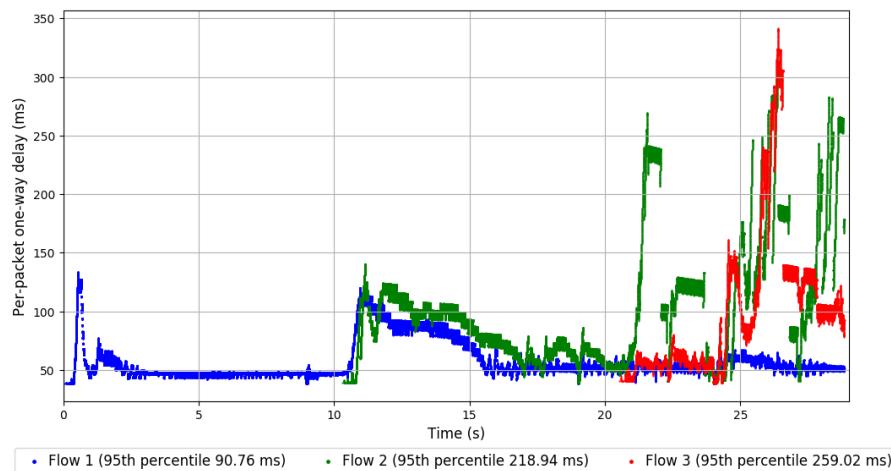
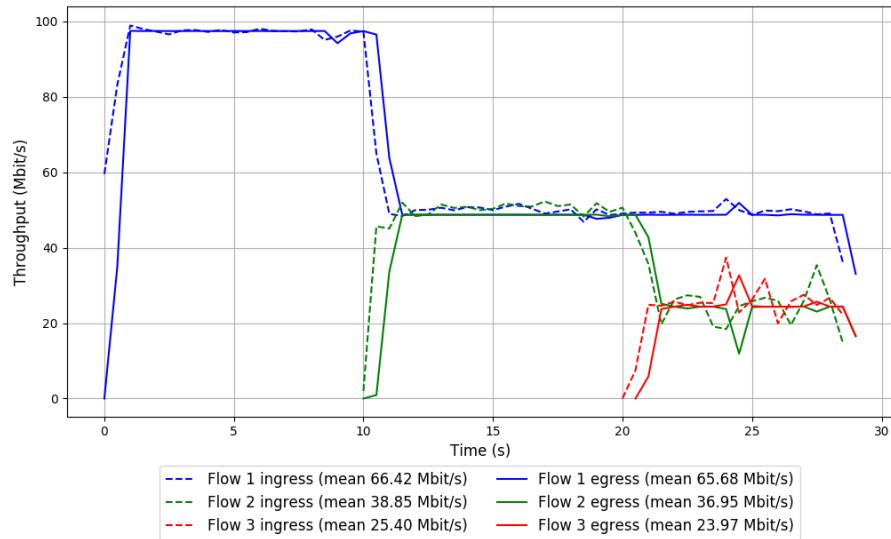


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 16:06:56
End at: 2019-07-12 16:07:26
Local clock offset: -1.226 ms
Remote clock offset: -5.902 ms

# Below is generated by plot.py at 2019-07-12 19:06:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 128.694 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 65.68 Mbit/s
95th percentile per-packet one-way delay: 90.756 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 36.95 Mbit/s
95th percentile per-packet one-way delay: 218.938 ms
Loss rate: 5.20%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 259.018 ms
Loss rate: 5.97%
```

Run 1: Report of Indigo-MusesT — Data Link

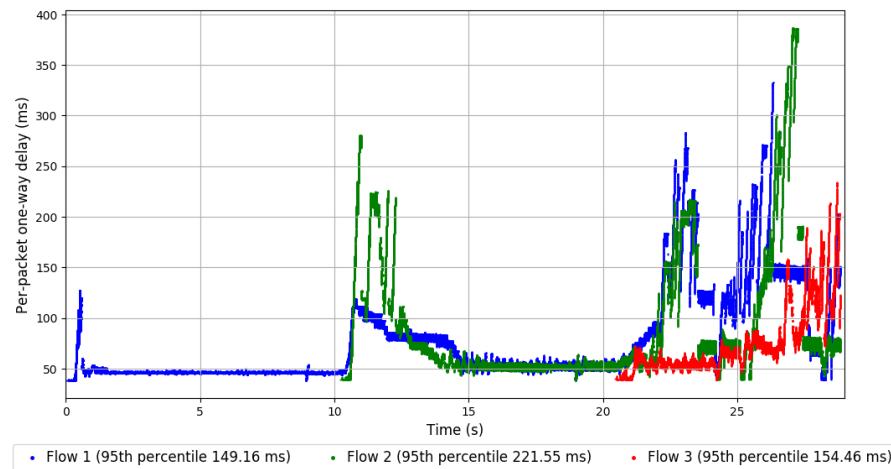
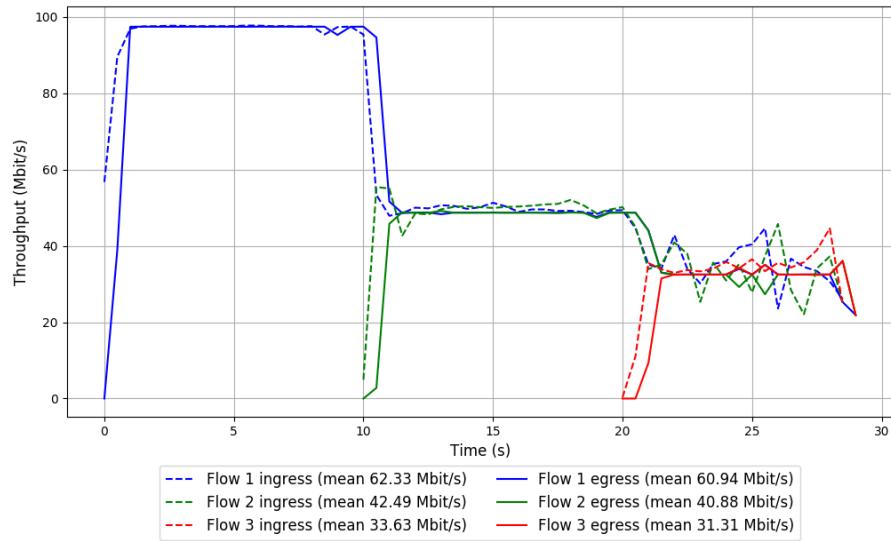


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 16:40:29
End at: 2019-07-12 16:40:59
Local clock offset: -3.109 ms
Remote clock offset: -3.883 ms

# Below is generated by plot.py at 2019-07-12 19:06:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 182.182 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 60.94 Mbit/s
95th percentile per-packet one-way delay: 149.160 ms
Loss rate: 2.30%
-- Flow 2:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 221.554 ms
Loss rate: 4.11%
-- Flow 3:
Average throughput: 31.31 Mbit/s
95th percentile per-packet one-way delay: 154.463 ms
Loss rate: 7.51%
```

Run 2: Report of Indigo-MusesT — Data Link

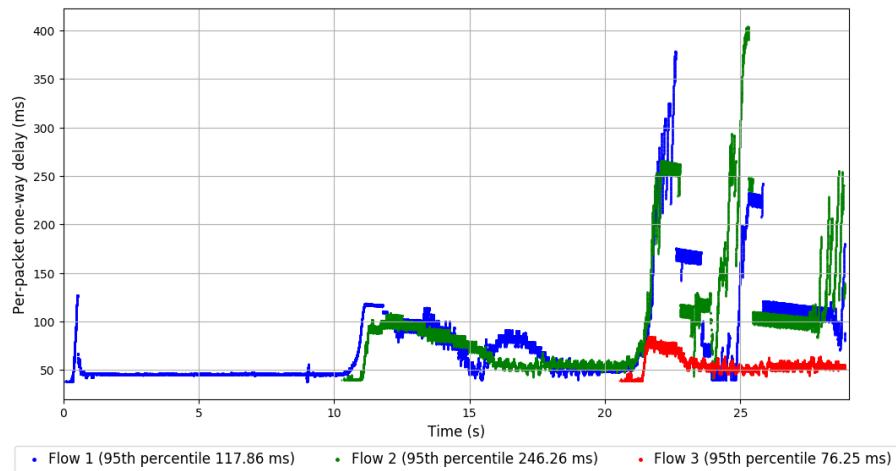
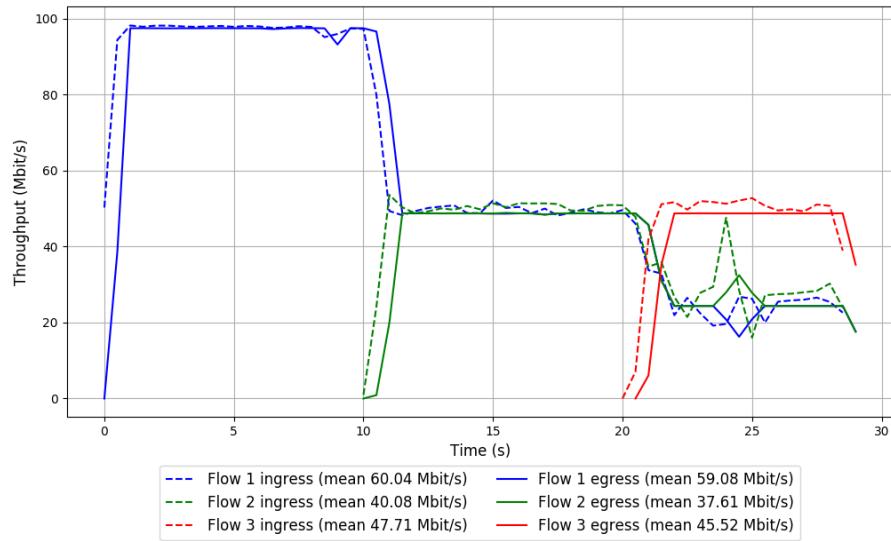


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 17:17:34
End at: 2019-07-12 17:18:04
Local clock offset: 6.643 ms
Remote clock offset: -2.579 ms

# Below is generated by plot.py at 2019-07-12 19:06:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 140.882 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 117.857 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 37.61 Mbit/s
95th percentile per-packet one-way delay: 246.261 ms
Loss rate: 6.50%
-- Flow 3:
Average throughput: 45.52 Mbit/s
95th percentile per-packet one-way delay: 76.246 ms
Loss rate: 5.32%
```

Run 3: Report of Indigo-MusesT — Data Link

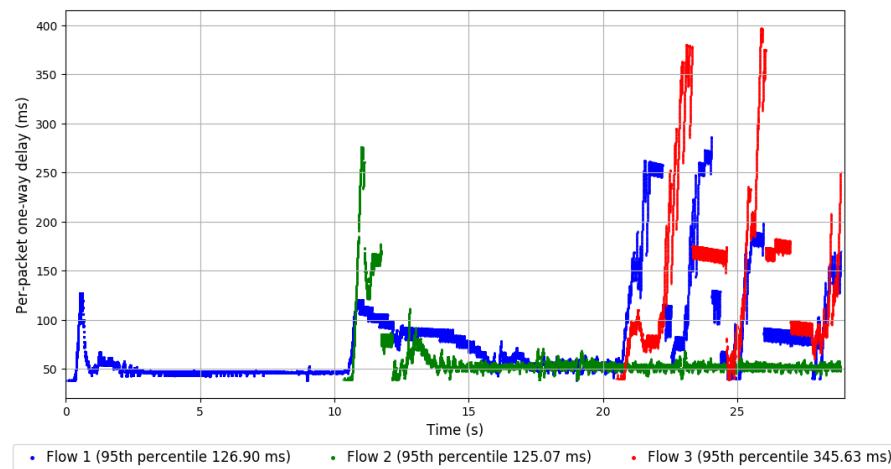
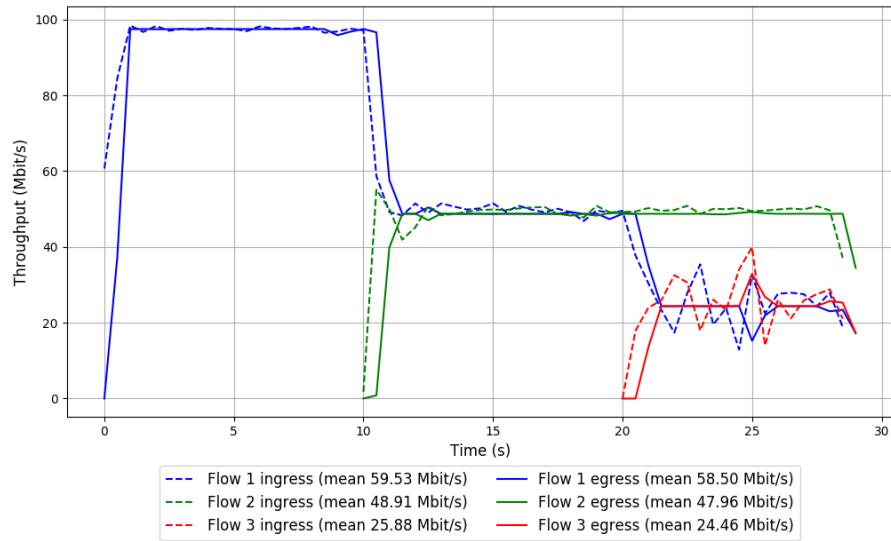


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 17:56:52
End at: 2019-07-12 17:57:22
Local clock offset: 11.264 ms
Remote clock offset: -1.816 ms

# Below is generated by plot.py at 2019-07-12 19:06:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 169.678 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 58.50 Mbit/s
95th percentile per-packet one-way delay: 126.902 ms
Loss rate: 1.94%
-- Flow 2:
Average throughput: 47.96 Mbit/s
95th percentile per-packet one-way delay: 125.071 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 345.628 ms
Loss rate: 6.22%
```

Run 4: Report of Indigo-MusesT — Data Link

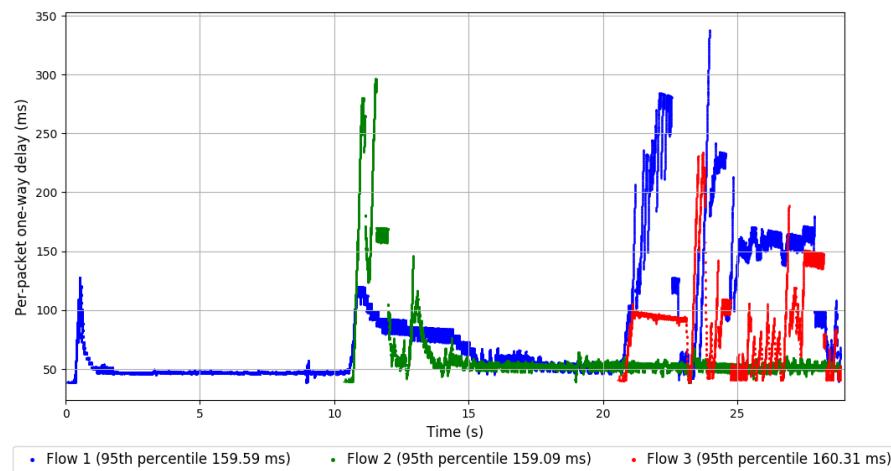
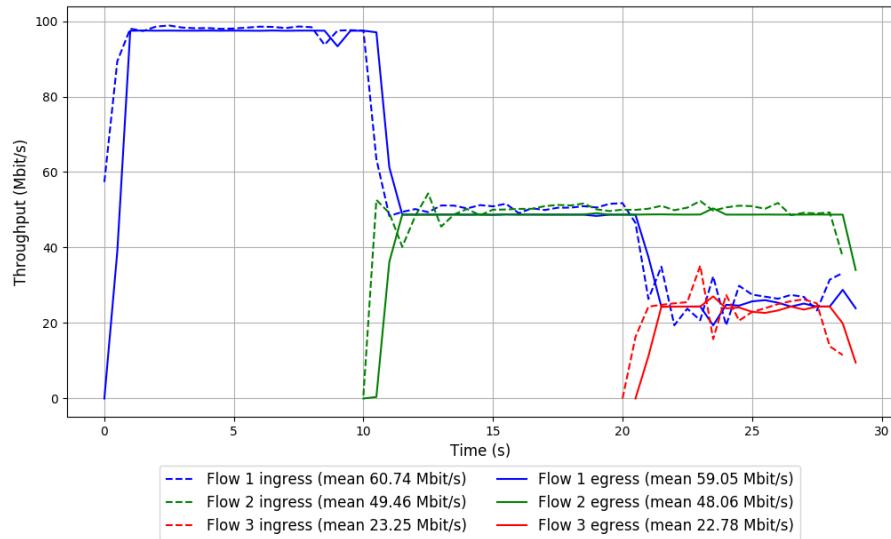


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 18:31:20
End at: 2019-07-12 18:31:50
Local clock offset: 9.685 ms
Remote clock offset: -0.902 ms

# Below is generated by plot.py at 2019-07-12 19:06:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 159.455 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 59.05 Mbit/s
95th percentile per-packet one-way delay: 159.591 ms
Loss rate: 2.97%
-- Flow 2:
Average throughput: 48.06 Mbit/s
95th percentile per-packet one-way delay: 159.087 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 22.78 Mbit/s
95th percentile per-packet one-way delay: 160.313 ms
Loss rate: 2.83%
```

Run 5: Report of Indigo-MusesT — Data Link

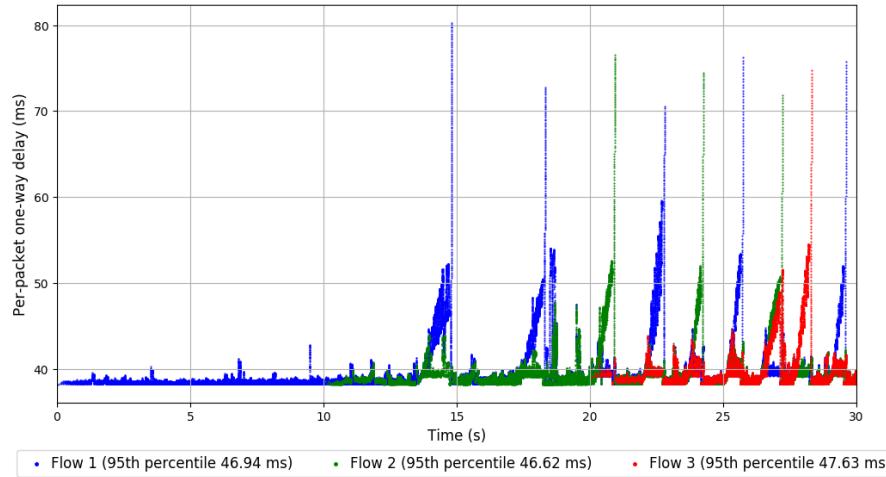
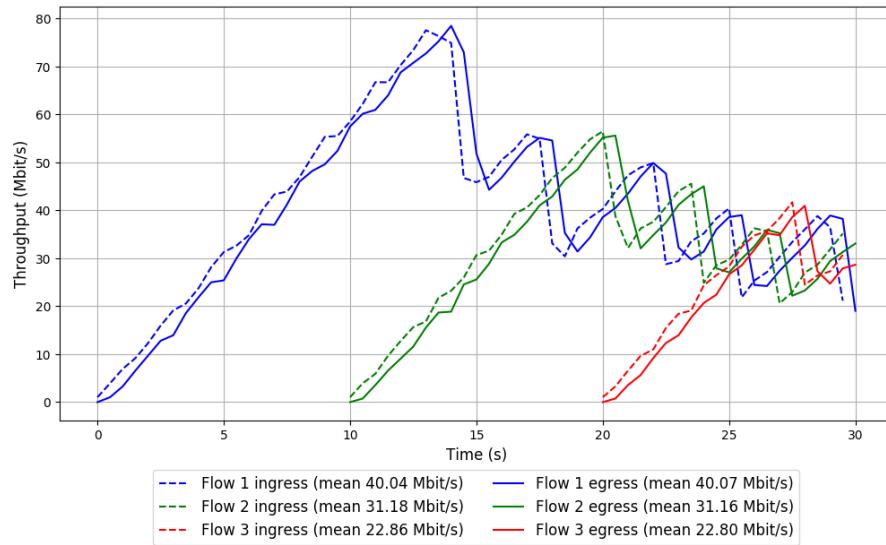


```
Run 1: Statistics of LEDBAT

Start at: 2019-07-12 16:11:22
End at: 2019-07-12 16:11:52
Local clock offset: -1.897 ms
Remote clock offset: -5.471 ms

# Below is generated by plot.py at 2019-07-12 19:06:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.34 Mbit/s
95th percentile per-packet one-way delay: 46.897 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 46.936 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 46.622 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 22.80 Mbit/s
95th percentile per-packet one-way delay: 47.626 ms
Loss rate: 0.93%
```

Run 1: Report of LEDBAT — Data Link

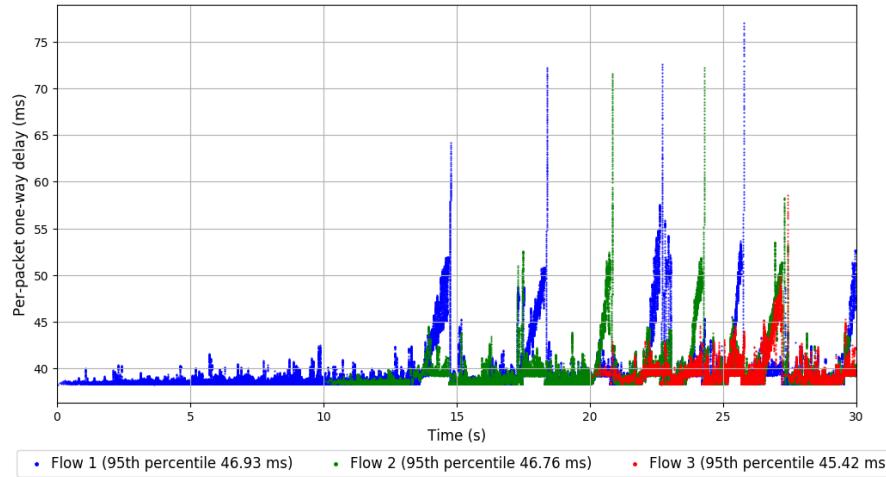
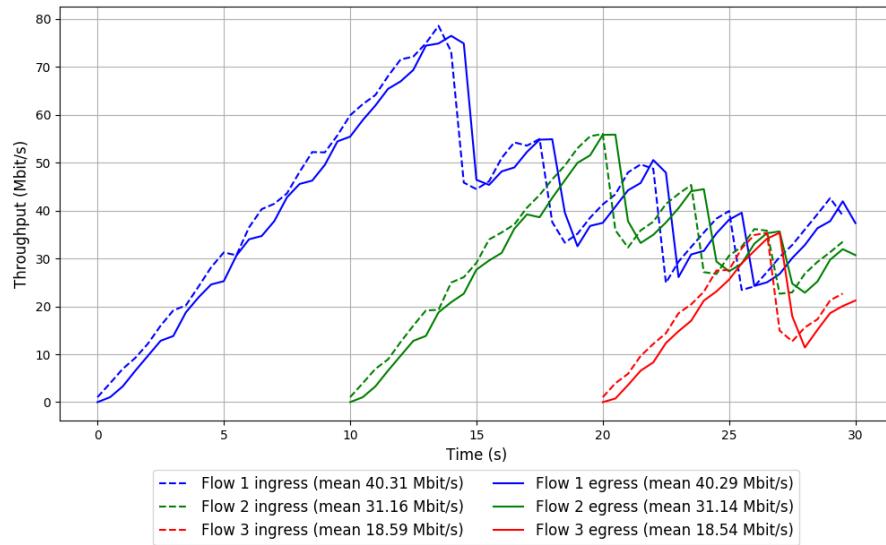


Run 2: Statistics of LEDBAT

```
Start at: 2019-07-12 16:45:52
End at: 2019-07-12 16:46:22
Local clock offset: -3.235 ms
Remote clock offset: -3.667 ms

# Below is generated by plot.py at 2019-07-12 19:07:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.16 Mbit/s
95th percentile per-packet one-way delay: 46.659 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 40.29 Mbit/s
95th percentile per-packet one-way delay: 46.933 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 46.763 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 18.54 Mbit/s
95th percentile per-packet one-way delay: 45.420 ms
Loss rate: 0.92%
```

Run 2: Report of LEDBAT — Data Link

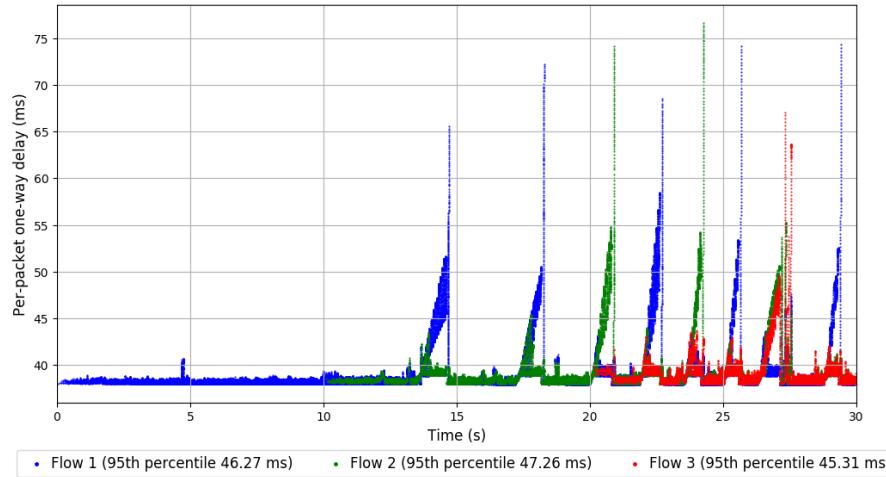
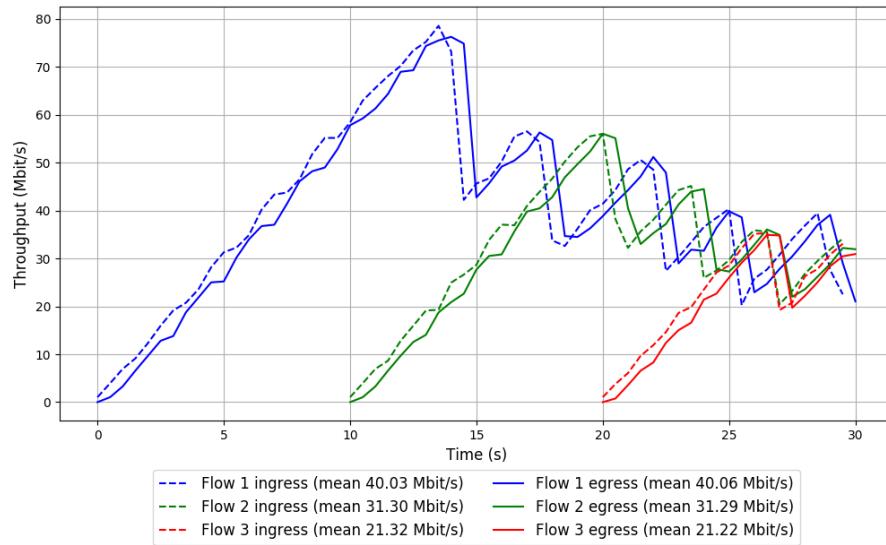


Run 3: Statistics of LEDBAT

```
Start at: 2019-07-12 17:22:01
End at: 2019-07-12 17:22:31
Local clock offset: 8.123 ms
Remote clock offset: -2.452 ms

# Below is generated by plot.py at 2019-07-12 19:07:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.89 Mbit/s
95th percentile per-packet one-way delay: 46.424 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 40.06 Mbit/s
95th percentile per-packet one-way delay: 46.269 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 47.260 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 21.22 Mbit/s
95th percentile per-packet one-way delay: 45.312 ms
Loss rate: 1.10%
```

Run 3: Report of LEDBAT — Data Link

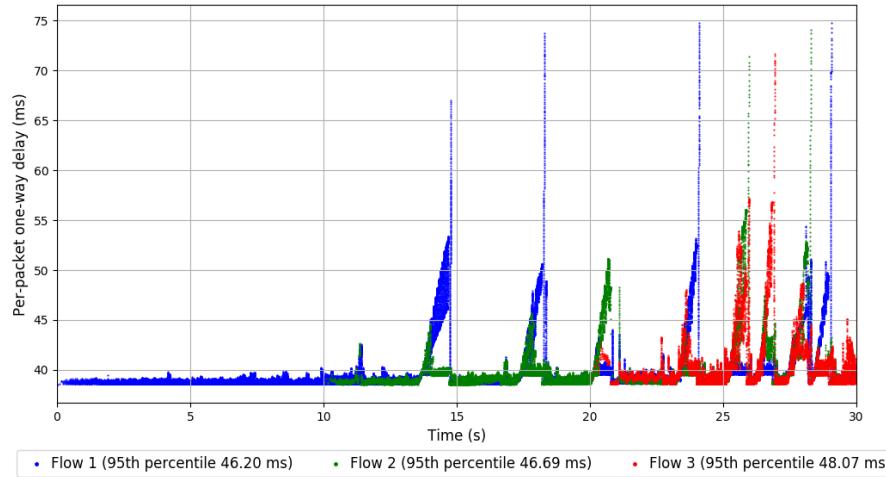
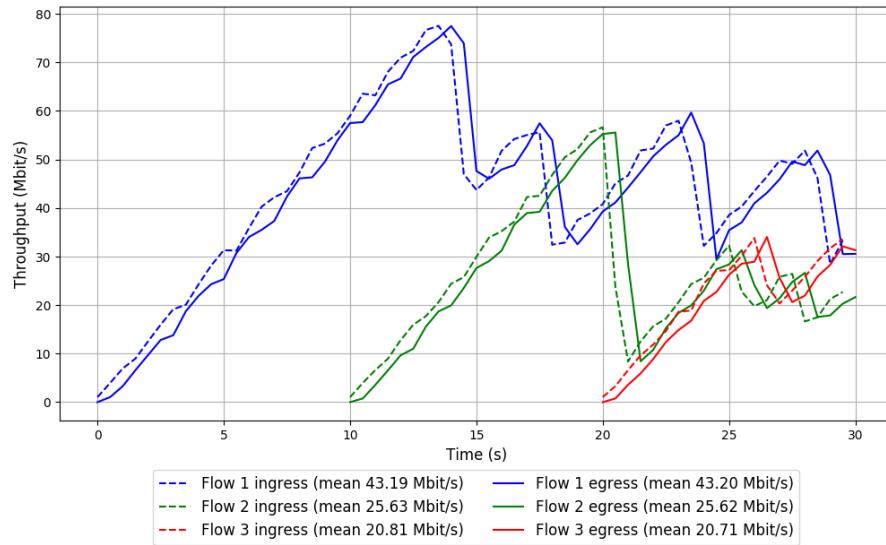


Run 4: Statistics of LEDBAT

```
Start at: 2019-07-12 18:01:27
End at: 2019-07-12 18:01:57
Local clock offset: 10.747 ms
Remote clock offset: -1.688 ms

# Below is generated by plot.py at 2019-07-12 19:07:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.11 Mbit/s
95th percentile per-packet one-way delay: 46.680 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 43.20 Mbit/s
95th percentile per-packet one-way delay: 46.200 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 25.62 Mbit/s
95th percentile per-packet one-way delay: 46.691 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 20.71 Mbit/s
95th percentile per-packet one-way delay: 48.066 ms
Loss rate: 1.13%
```

Run 4: Report of LEDBAT — Data Link

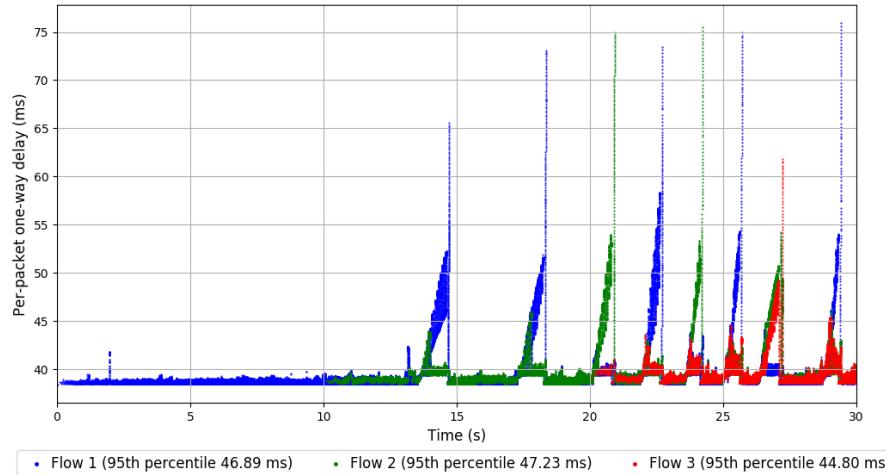
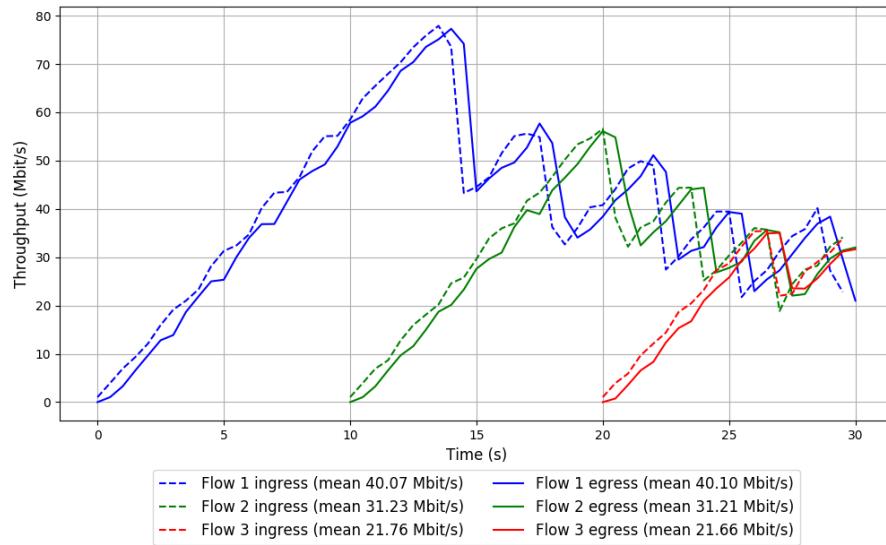


Run 5: Statistics of LEDBAT

```
Start at: 2019-07-12 18:35:42
End at: 2019-07-12 18:36:12
Local clock offset: 9.089 ms
Remote clock offset: -0.987 ms

# Below is generated by plot.py at 2019-07-12 19:07:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.03 Mbit/s
95th percentile per-packet one-way delay: 46.786 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 46.891 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 31.21 Mbit/s
95th percentile per-packet one-way delay: 47.227 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 21.66 Mbit/s
95th percentile per-packet one-way delay: 44.798 ms
Loss rate: 1.08%
```

Run 5: Report of LEDBAT — Data Link

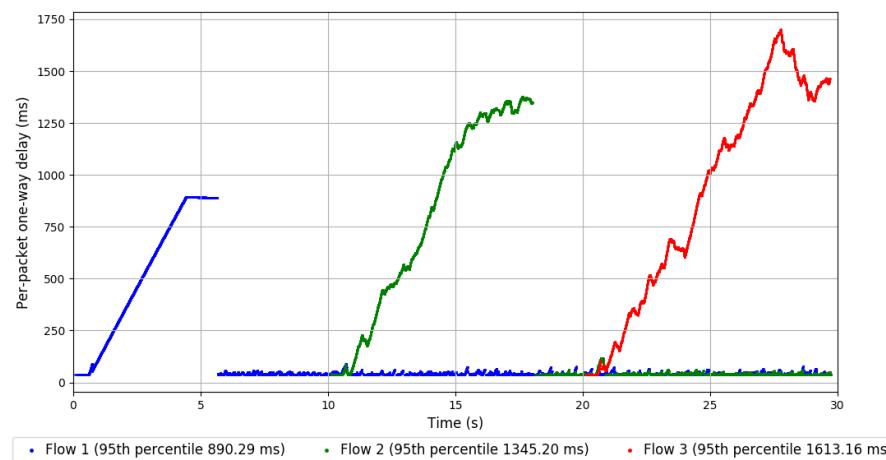
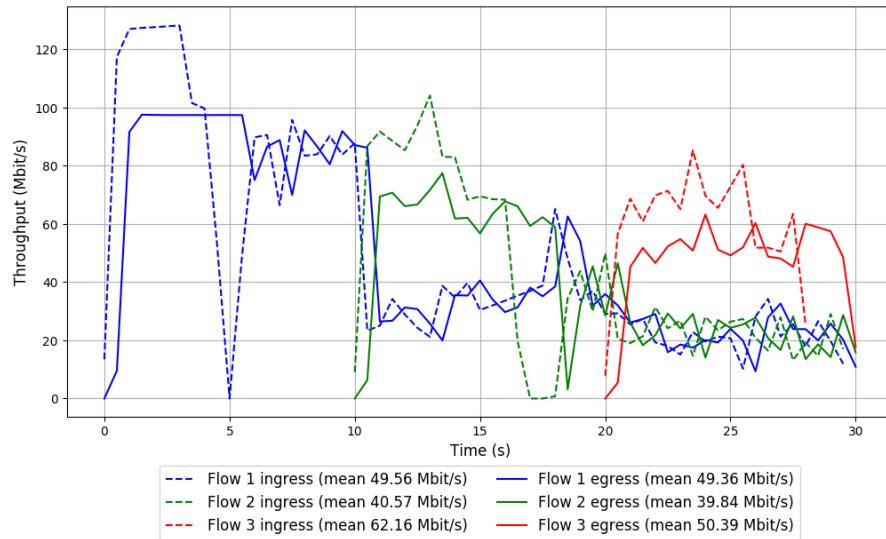


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 16:19:39
End at: 2019-07-12 16:20:09
Local clock offset: -2.514 ms
Remote clock offset: -5.046 ms

# Below is generated by plot.py at 2019-07-12 19:07:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 1393.095 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 49.36 Mbit/s
95th percentile per-packet one-way delay: 890.294 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 1345.200 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 50.39 Mbit/s
95th percentile per-packet one-way delay: 1613.165 ms
Loss rate: 4.84%
```

Run 1: Report of Muses_DecisionTree — Data Link

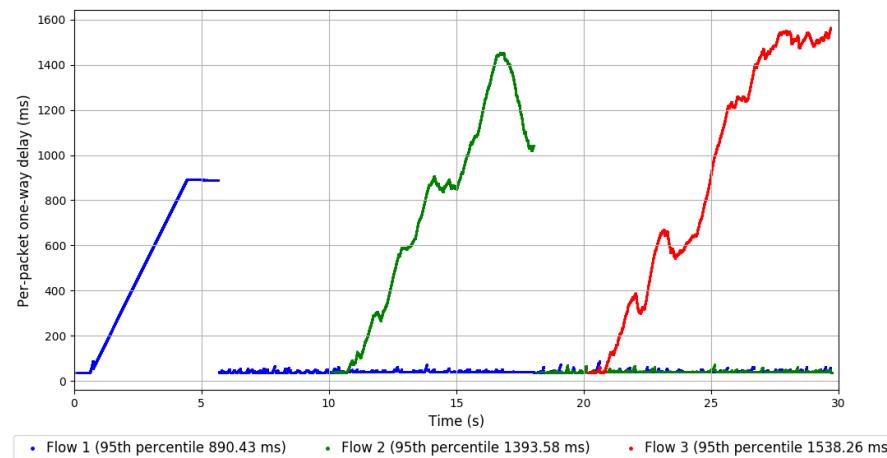
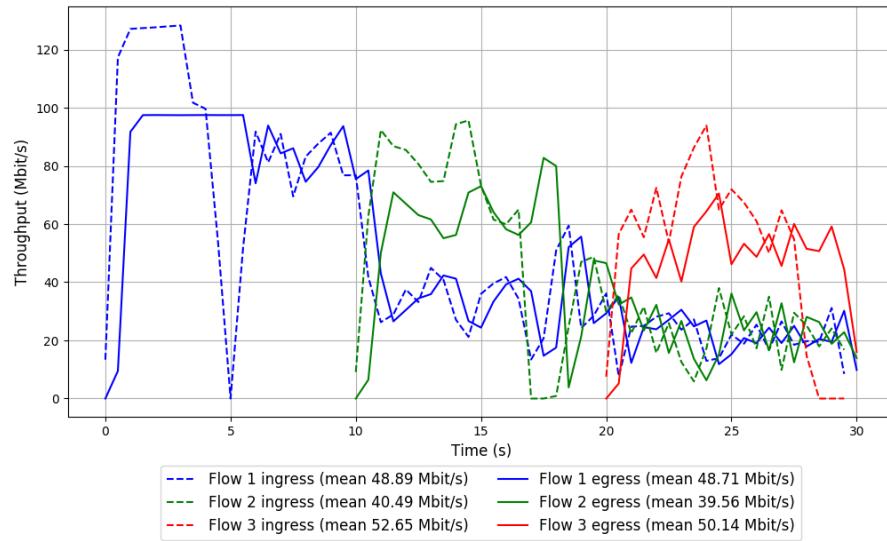


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 16:56:09
End at: 2019-07-12 16:56:39
Local clock offset: -3.384 ms
Remote clock offset: -3.273 ms

# Below is generated by plot.py at 2019-07-12 19:07:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.09 Mbit/s
95th percentile per-packet one-way delay: 1451.120 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 48.71 Mbit/s
95th percentile per-packet one-way delay: 890.435 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 1393.584 ms
Loss rate: 2.61%
-- Flow 3:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 1538.263 ms
Loss rate: 5.41%
```

Run 2: Report of Muses_DecisionTree — Data Link

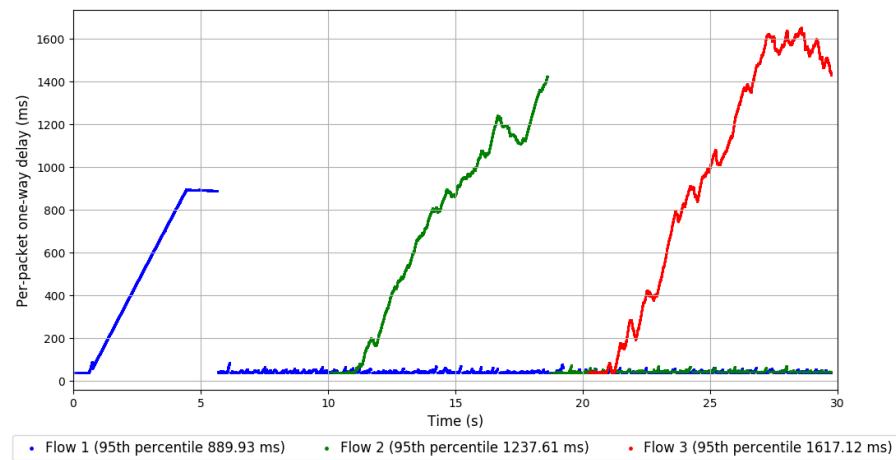
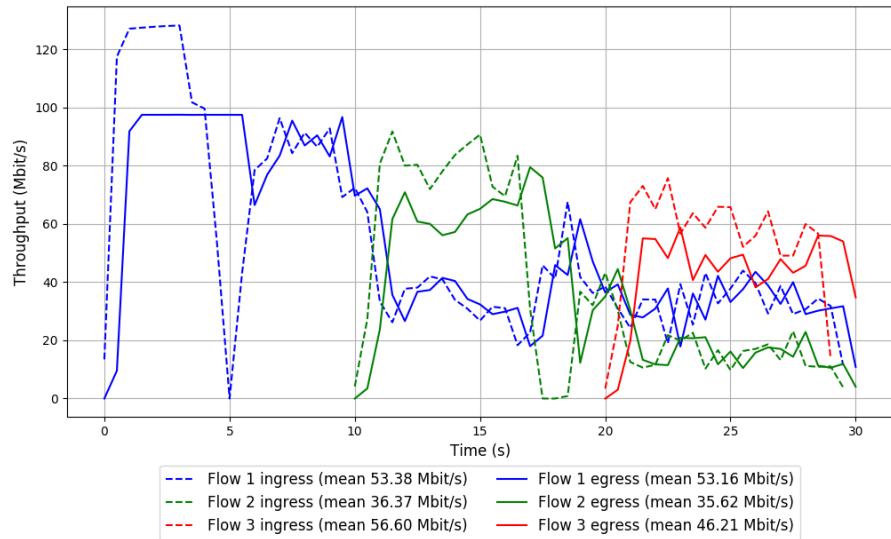


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 17:31:05
End at: 2019-07-12 17:31:35
Local clock offset: 9.597 ms
Remote clock offset: -2.212 ms

# Below is generated by plot.py at 2019-07-12 19:07:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.65 Mbit/s
95th percentile per-packet one-way delay: 1483.869 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 53.16 Mbit/s
95th percentile per-packet one-way delay: 889.929 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 1237.610 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 1617.117 ms
Loss rate: 13.10%
```

Run 3: Report of Muses_DecisionTree — Data Link

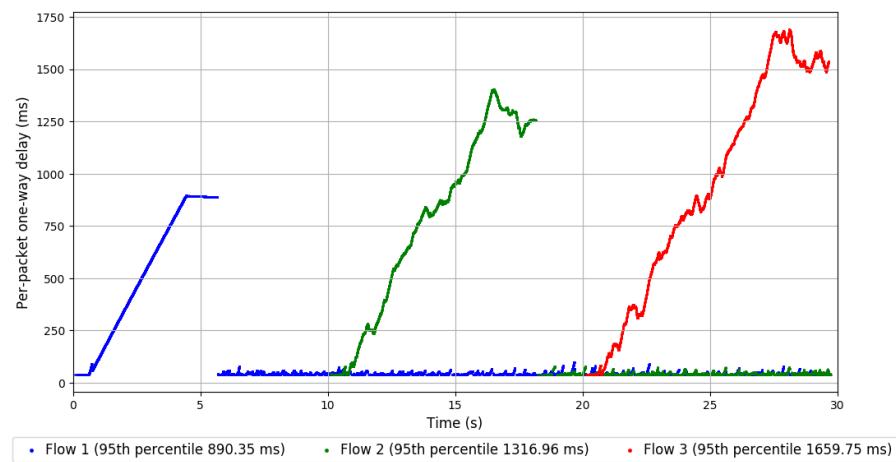
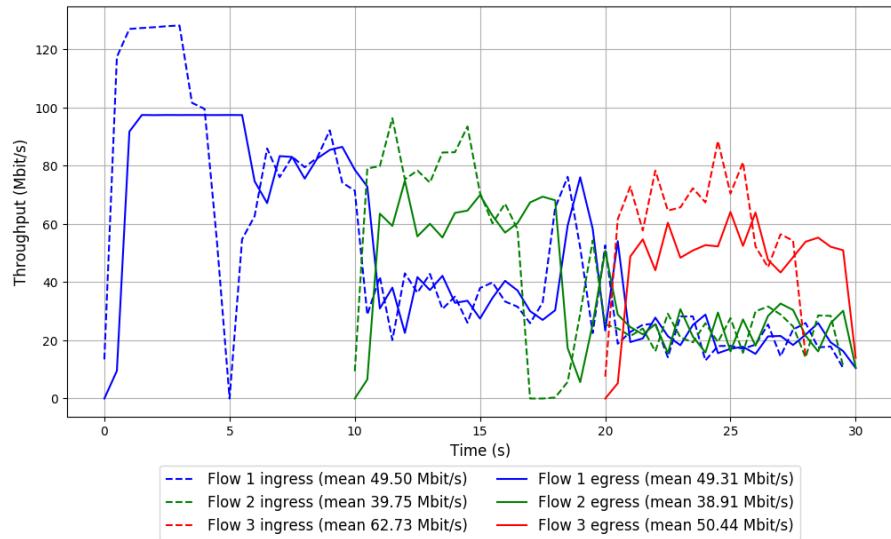


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 18:10:15
End at: 2019-07-12 18:10:45
Local clock offset: 9.687 ms
Remote clock offset: -1.562 ms

# Below is generated by plot.py at 2019-07-12 19:07:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.31 Mbit/s
95th percentile per-packet one-way delay: 1462.799 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 49.31 Mbit/s
95th percentile per-packet one-way delay: 890.347 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 1316.958 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 50.44 Mbit/s
95th percentile per-packet one-way delay: 1659.747 ms
Loss rate: 4.64%
```

Run 4: Report of Muses_DecisionTree — Data Link

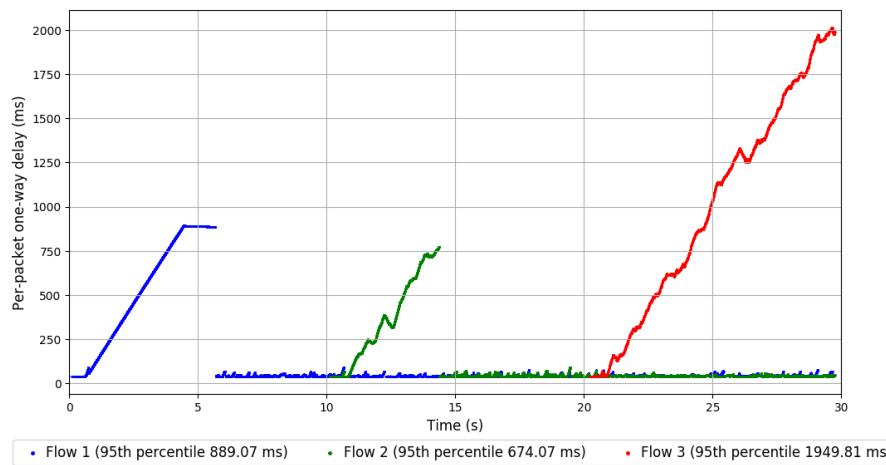
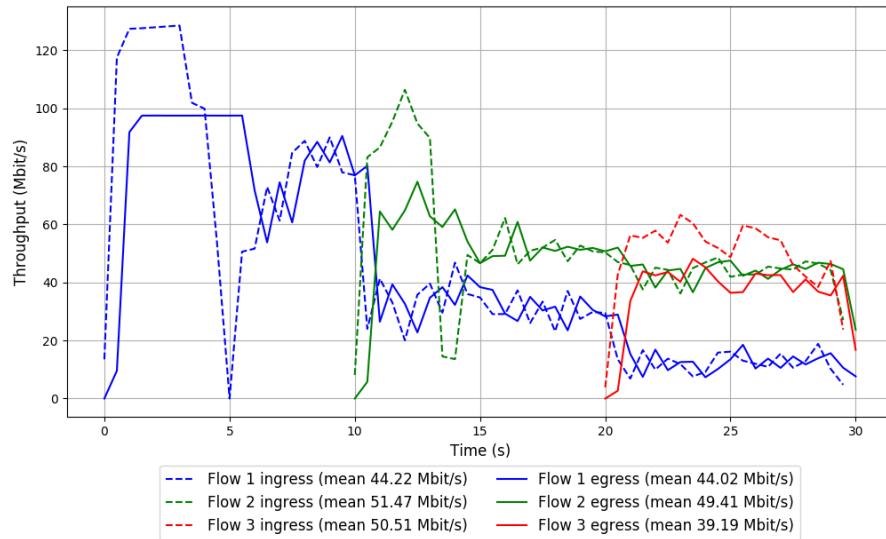


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 18:44:15
End at: 2019-07-12 18:44:45
Local clock offset: 8.717 ms
Remote clock offset: -0.889 ms

# Below is generated by plot.py at 2019-07-12 19:08:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.33 Mbit/s
95th percentile per-packet one-way delay: 1301.165 ms
Loss rate: 5.84%
-- Flow 1:
Average throughput: 44.02 Mbit/s
95th percentile per-packet one-way delay: 889.074 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 49.41 Mbit/s
95th percentile per-packet one-way delay: 674.065 ms
Loss rate: 4.33%
-- Flow 3:
Average throughput: 39.19 Mbit/s
95th percentile per-packet one-way delay: 1949.813 ms
Loss rate: 22.96%
```

Run 5: Report of Muses_DecisionTree — Data Link

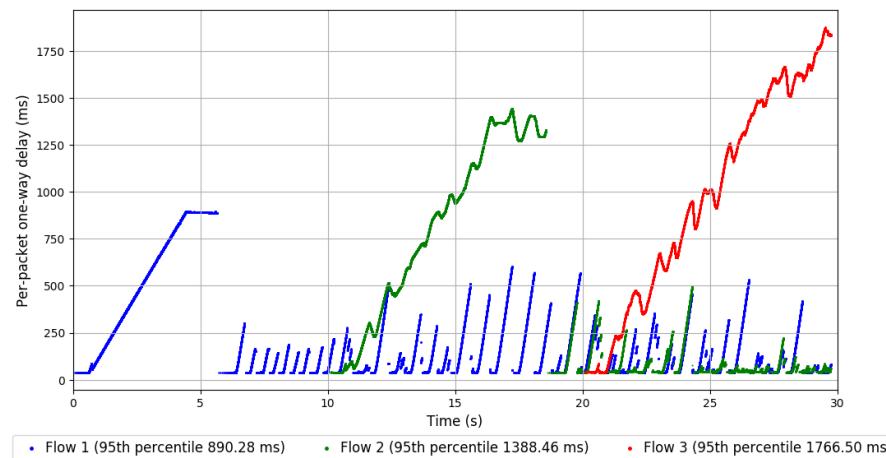
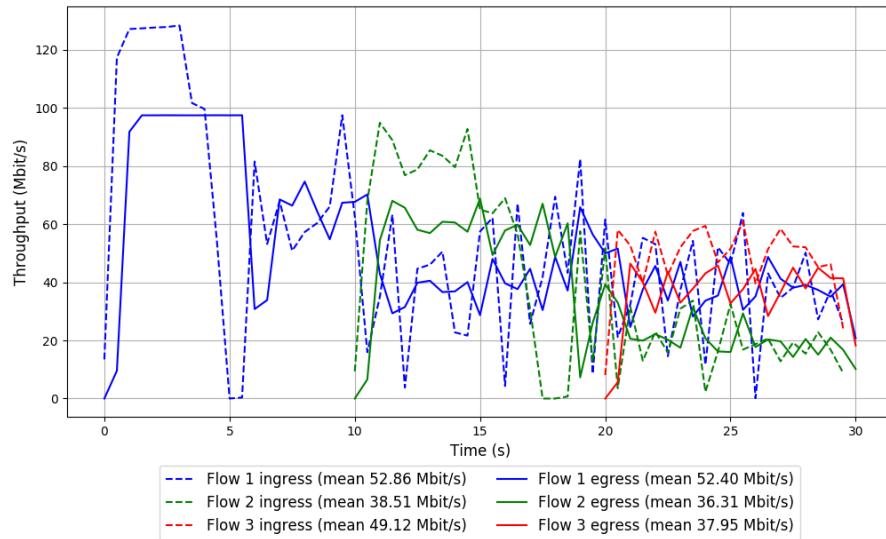


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 15:59:13
End at: 2019-07-12 15:59:43
Local clock offset: 0.909 ms
Remote clock offset: -6.15 ms

# Below is generated by plot.py at 2019-07-12 19:08:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 1416.119 ms
Loss rate: 6.20%
-- Flow 1:
Average throughput: 52.40 Mbit/s
95th percentile per-packet one-way delay: 890.281 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: 1388.457 ms
Loss rate: 6.07%
-- Flow 3:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 1766.501 ms
Loss rate: 23.26%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

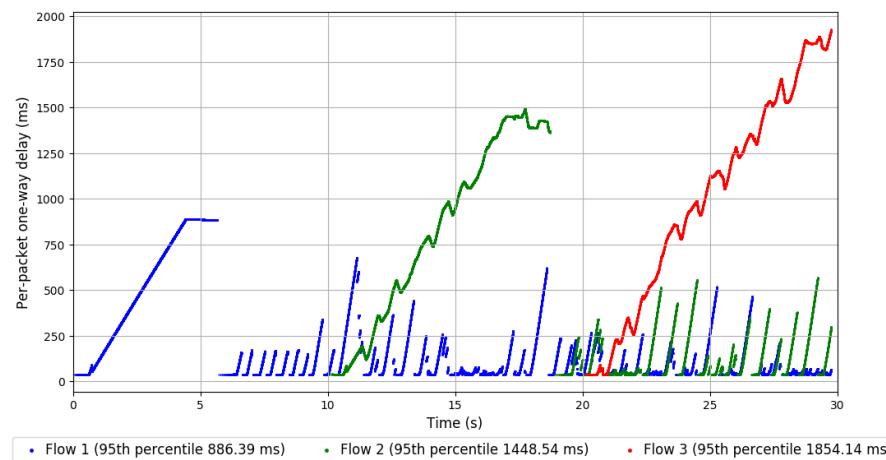
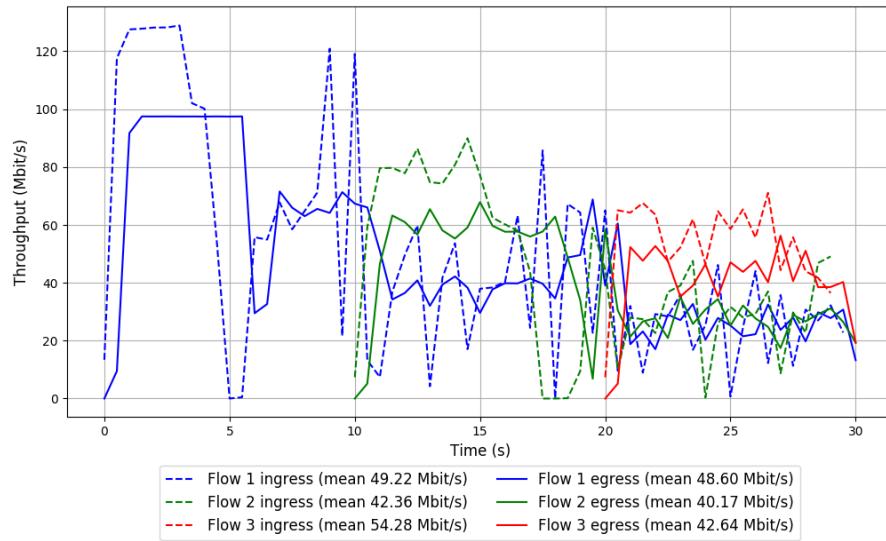


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 16:32:14
End at: 2019-07-12 16:32:44
Local clock offset: -2.926 ms
Remote clock offset: -4.215 ms

# Below is generated by plot.py at 2019-07-12 19:08:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.04 Mbit/s
95th percentile per-packet one-way delay: 1453.415 ms
Loss rate: 5.26%
-- Flow 1:
Average throughput: 48.60 Mbit/s
95th percentile per-packet one-way delay: 886.391 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 1448.540 ms
Loss rate: 4.01%
-- Flow 3:
Average throughput: 42.64 Mbit/s
95th percentile per-packet one-way delay: 1854.145 ms
Loss rate: 18.64%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

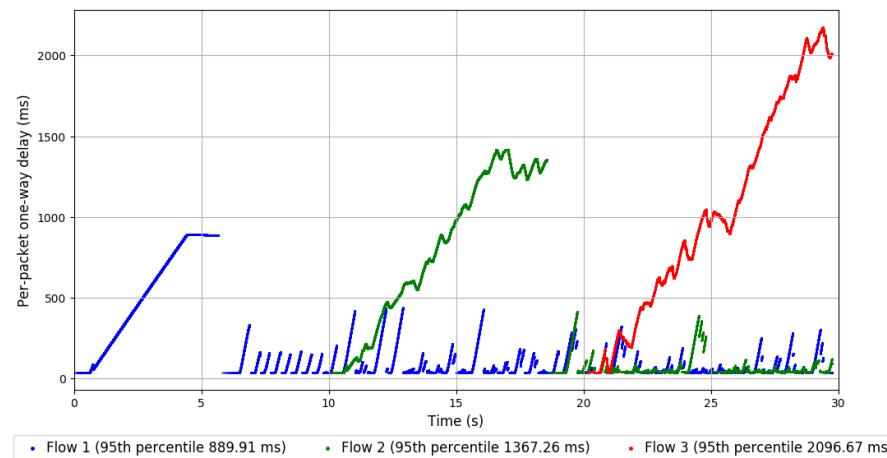
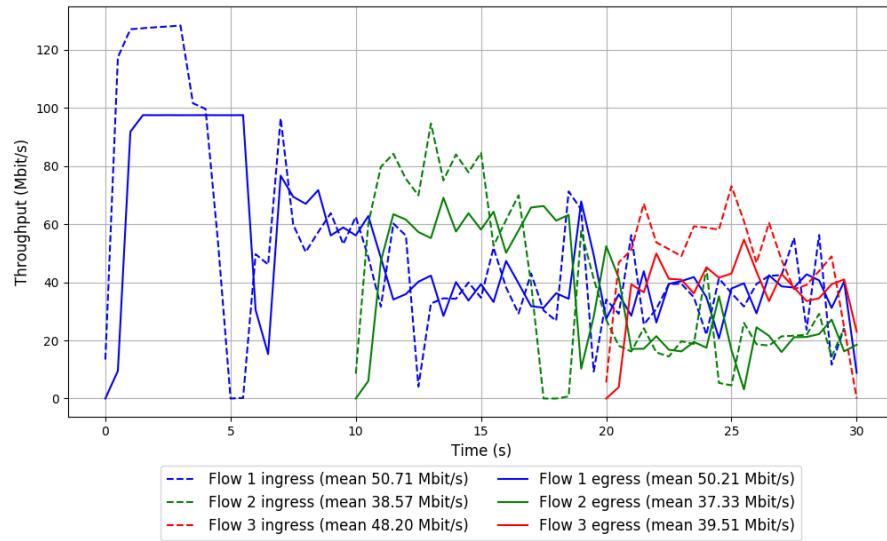


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 17:09:46
End at: 2019-07-12 17:10:16
Local clock offset: 2.68 ms
Remote clock offset: -2.934 ms

# Below is generated by plot.py at 2019-07-12 19:08:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 1395.037 ms
Loss rate: 5.62%
-- Flow 1:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 889.912 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 37.33 Mbit/s
95th percentile per-packet one-way delay: 1367.263 ms
Loss rate: 3.47%
-- Flow 3:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 2096.669 ms
Loss rate: 22.55%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

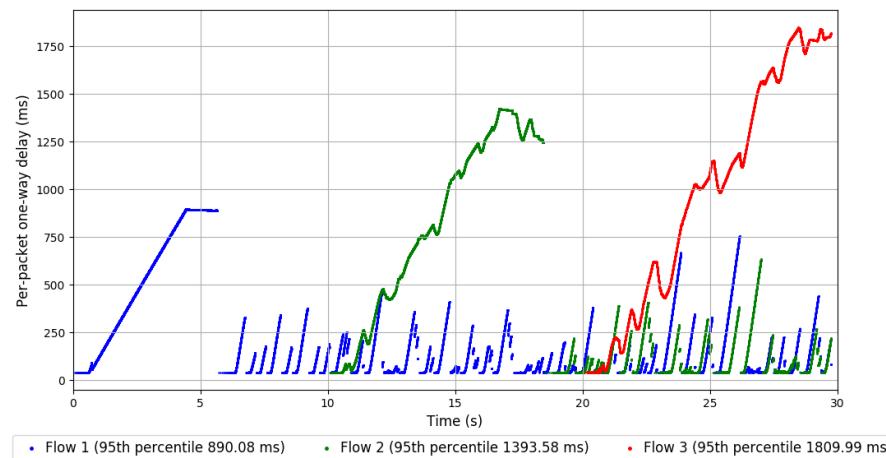
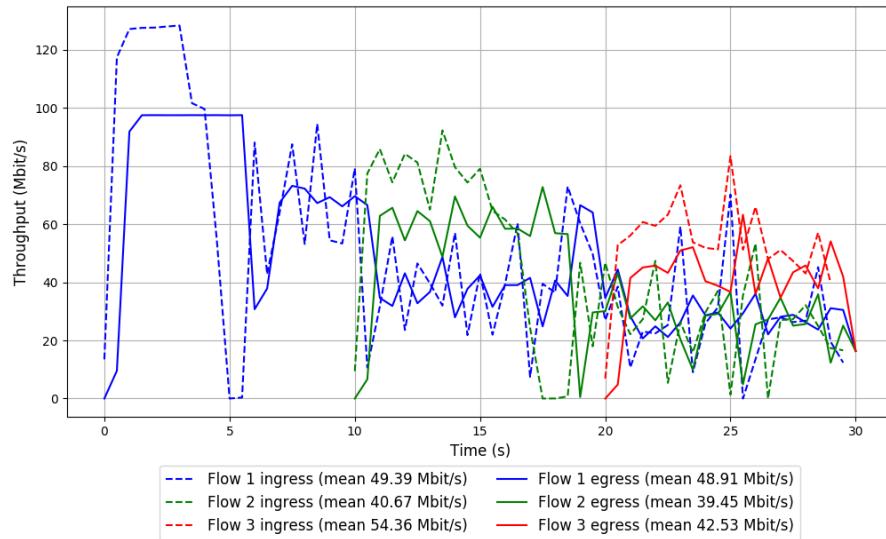


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 17:48:30
End at: 2019-07-12 17:49:00
Local clock offset: 10.303 ms
Remote clock offset: -1.925 ms

# Below is generated by plot.py at 2019-07-12 19:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.85 Mbit/s
95th percentile per-packet one-way delay: 1419.073 ms
Loss rate: 4.83%
-- Flow 1:
Average throughput: 48.91 Mbit/s
95th percentile per-packet one-way delay: 890.079 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 1393.581 ms
Loss rate: 2.95%
-- Flow 3:
Average throughput: 42.53 Mbit/s
95th percentile per-packet one-way delay: 1809.994 ms
Loss rate: 19.23%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

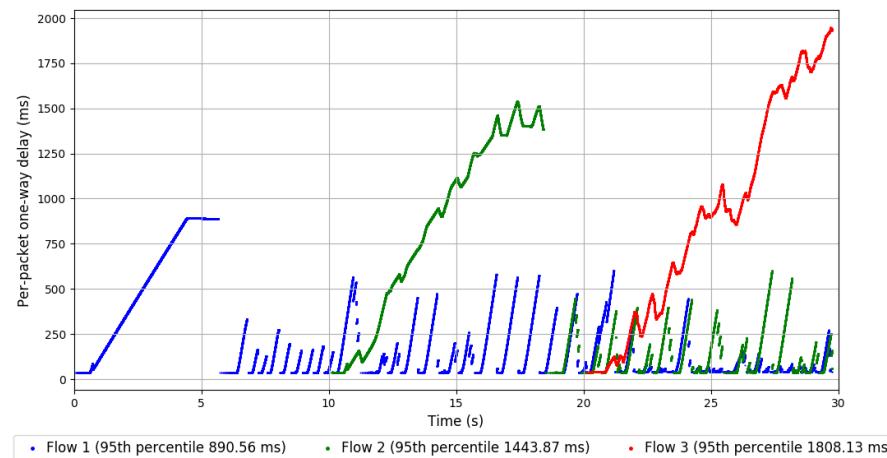
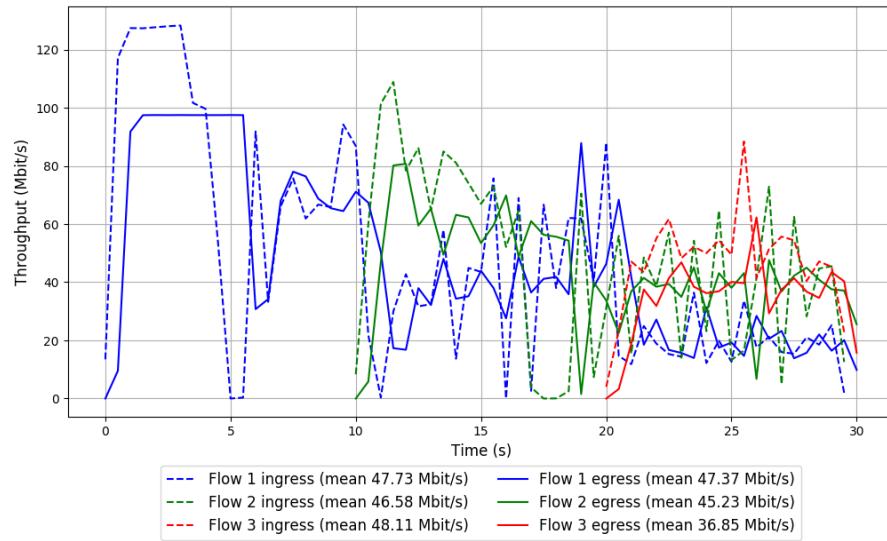


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 18:23:07
End at: 2019-07-12 18:23:37
Local clock offset: 9.901 ms
Remote clock offset: -1.13 ms

# Below is generated by plot.py at 2019-07-12 19:08:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: 1461.519 ms
Loss rate: 5.41%
-- Flow 1:
Average throughput: 47.37 Mbit/s
95th percentile per-packet one-way delay: 890.560 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 45.23 Mbit/s
95th percentile per-packet one-way delay: 1443.869 ms
Loss rate: 2.96%
-- Flow 3:
Average throughput: 36.85 Mbit/s
95th percentile per-packet one-way delay: 1808.128 ms
Loss rate: 23.91%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

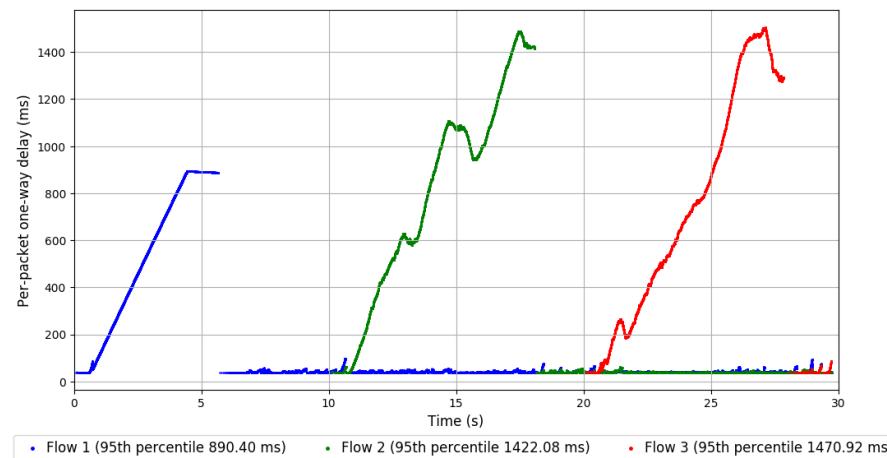
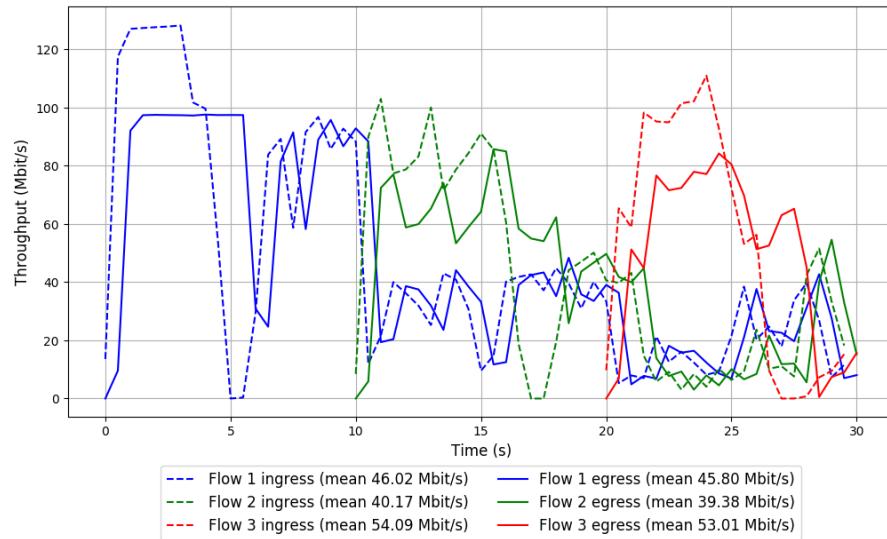


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 16:29:29
End at: 2019-07-12 16:29:59
Local clock offset: -2.871 ms
Remote clock offset: -4.502 ms

# Below is generated by plot.py at 2019-07-12 19:09:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.08 Mbit/s
95th percentile per-packet one-way delay: 1377.371 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 890.402 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 1422.078 ms
Loss rate: 2.30%
-- Flow 3:
Average throughput: 53.01 Mbit/s
95th percentile per-packet one-way delay: 1470.923 ms
Loss rate: 2.91%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

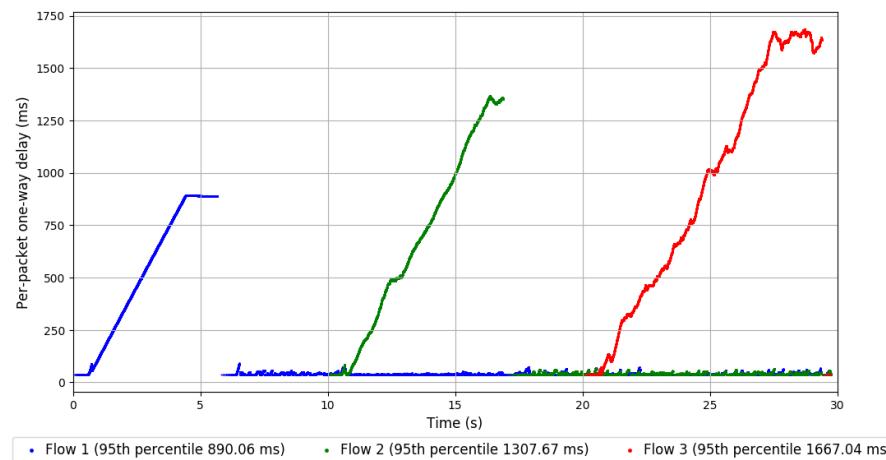
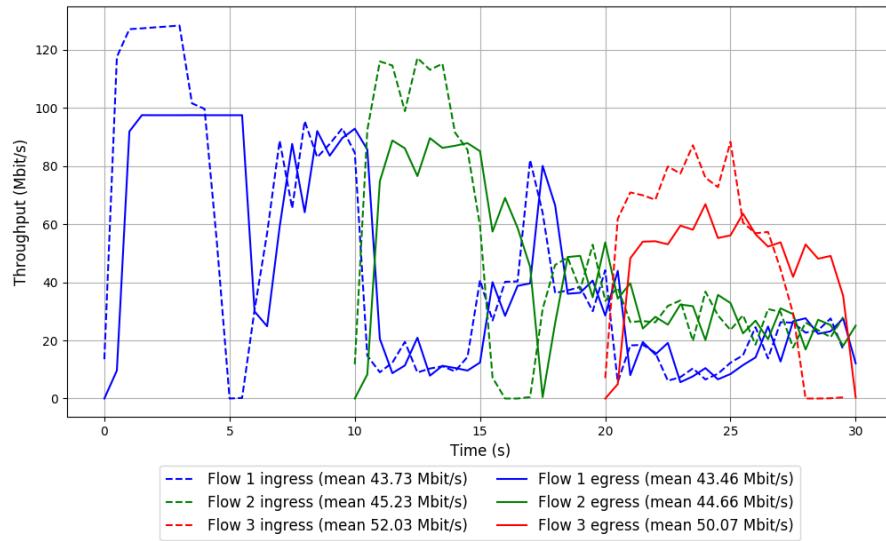


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 17:07:00
End at: 2019-07-12 17:07:30
Local clock offset: 0.444 ms
Remote clock offset: -2.89 ms

# Below is generated by plot.py at 2019-07-12 19:09:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: 1378.414 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 43.46 Mbit/s
95th percentile per-packet one-way delay: 890.059 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 44.66 Mbit/s
95th percentile per-packet one-way delay: 1307.671 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 1667.044 ms
Loss rate: 4.42%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

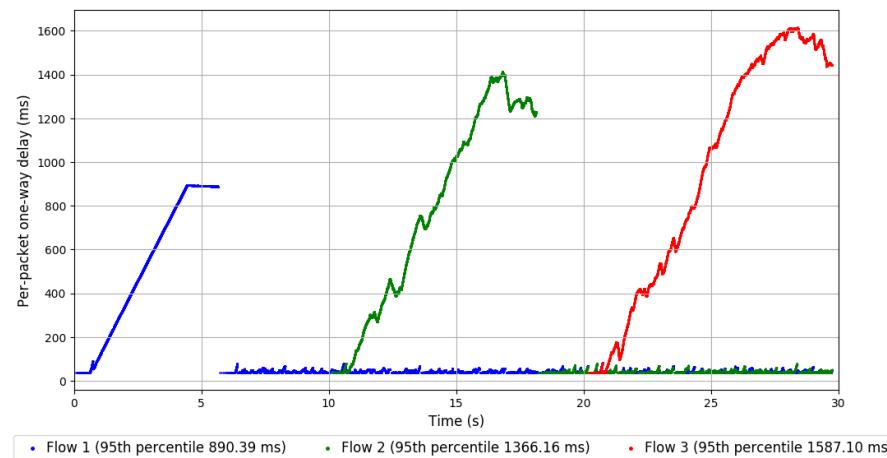
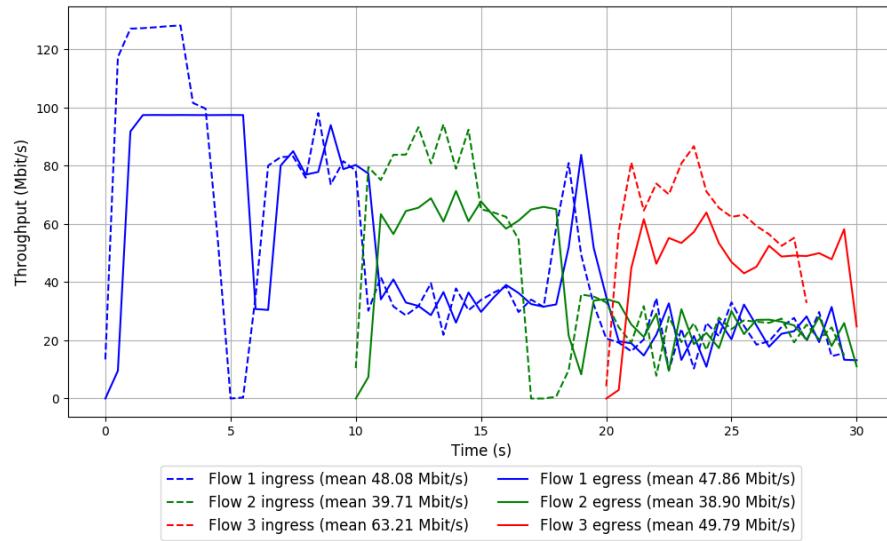


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 17:45:09
End at: 2019-07-12 17:45:39
Local clock offset: 10.005 ms
Remote clock offset: -1.979 ms

# Below is generated by plot.py at 2019-07-12 19:09:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.70 Mbit/s
95th percentile per-packet one-way delay: 1465.977 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 47.86 Mbit/s
95th percentile per-packet one-way delay: 890.386 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 38.90 Mbit/s
95th percentile per-packet one-way delay: 1366.165 ms
Loss rate: 2.36%
-- Flow 3:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 1587.101 ms
Loss rate: 8.01%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

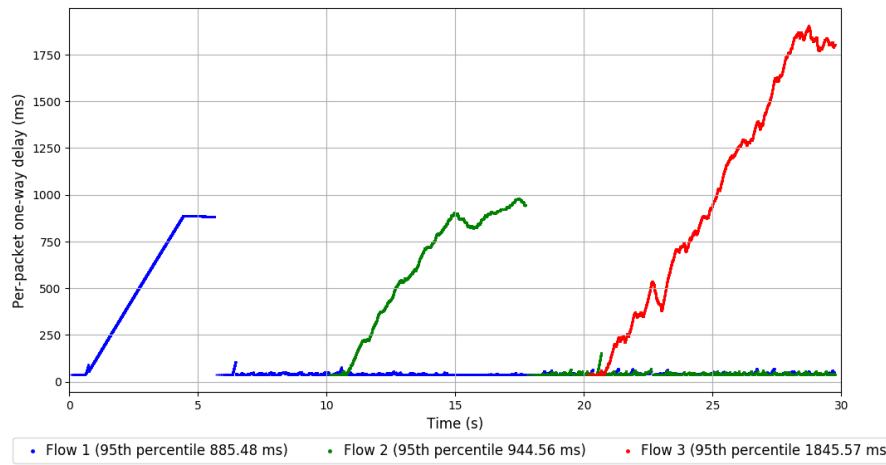
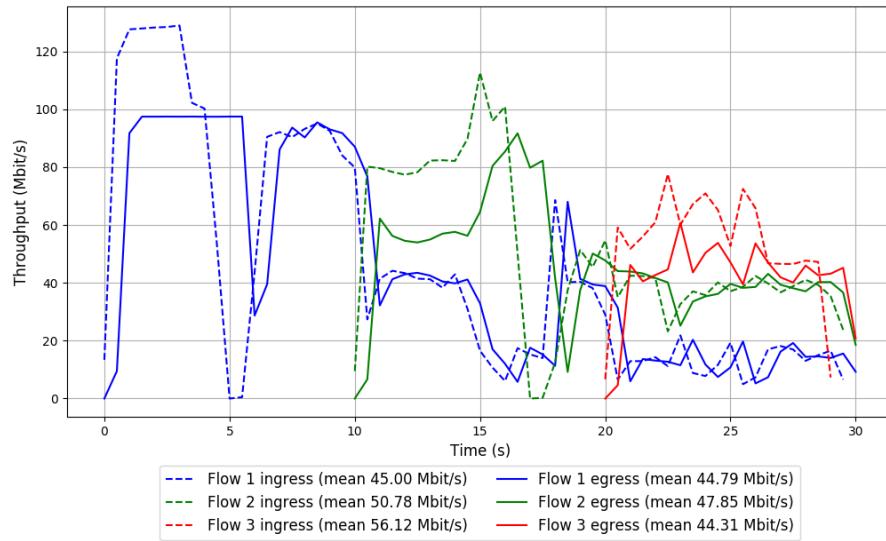


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 18:20:18
End at: 2019-07-12 18:20:48
Local clock offset: 9.773 ms
Remote clock offset: -1.127 ms

# Below is generated by plot.py at 2019-07-12 19:09:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 1335.703 ms
Loss rate: 5.23%
-- Flow 1:
Average throughput: 44.79 Mbit/s
95th percentile per-packet one-way delay: 885.480 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 47.85 Mbit/s
95th percentile per-packet one-way delay: 944.556 ms
Loss rate: 6.08%
-- Flow 3:
Average throughput: 44.31 Mbit/s
95th percentile per-packet one-way delay: 1845.574 ms
Loss rate: 15.31%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

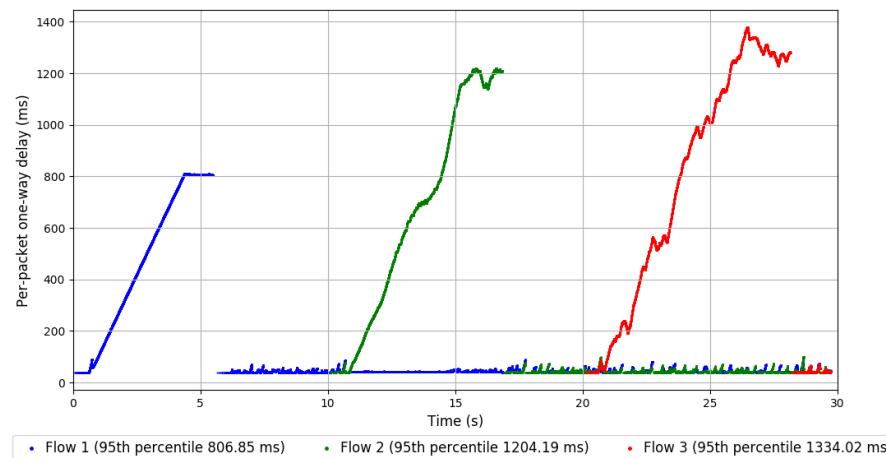
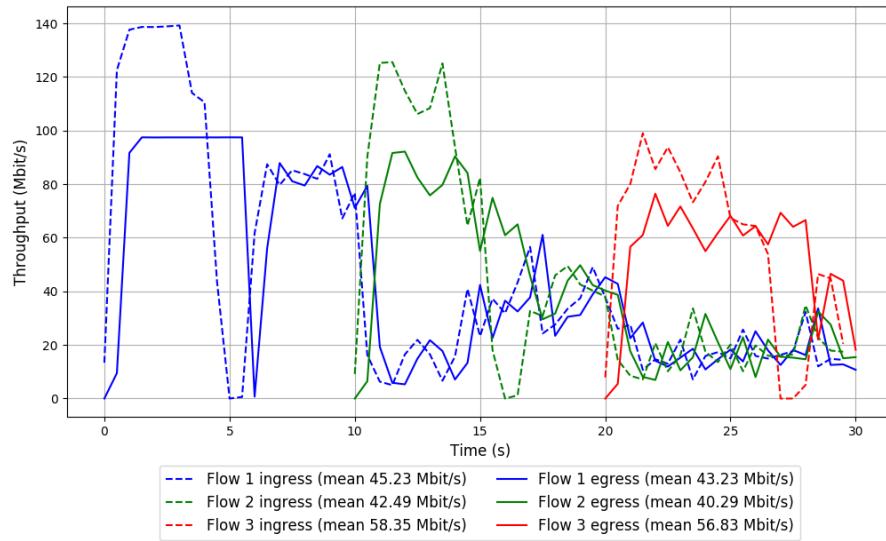


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 18:54:50
End at: 2019-07-12 18:55:20
Local clock offset: 8.741 ms
Remote clock offset: -0.989 ms

# Below is generated by plot.py at 2019-07-12 19:09:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.38 Mbit/s
95th percentile per-packet one-way delay: 1249.324 ms
Loss rate: 4.60%
-- Flow 1:
Average throughput: 43.23 Mbit/s
95th percentile per-packet one-way delay: 806.853 ms
Loss rate: 4.62%
-- Flow 2:
Average throughput: 40.29 Mbit/s
95th percentile per-packet one-way delay: 1204.188 ms
Loss rate: 5.48%
-- Flow 3:
Average throughput: 56.83 Mbit/s
95th percentile per-packet one-way delay: 1334.017 ms
Loss rate: 3.26%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

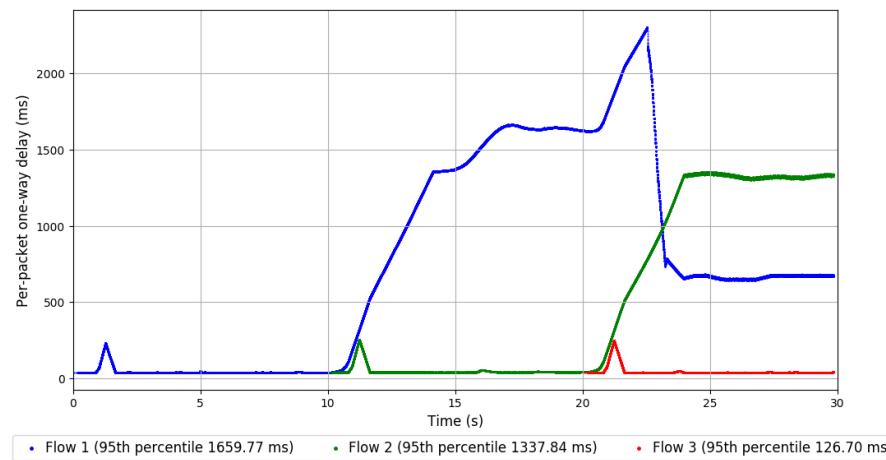
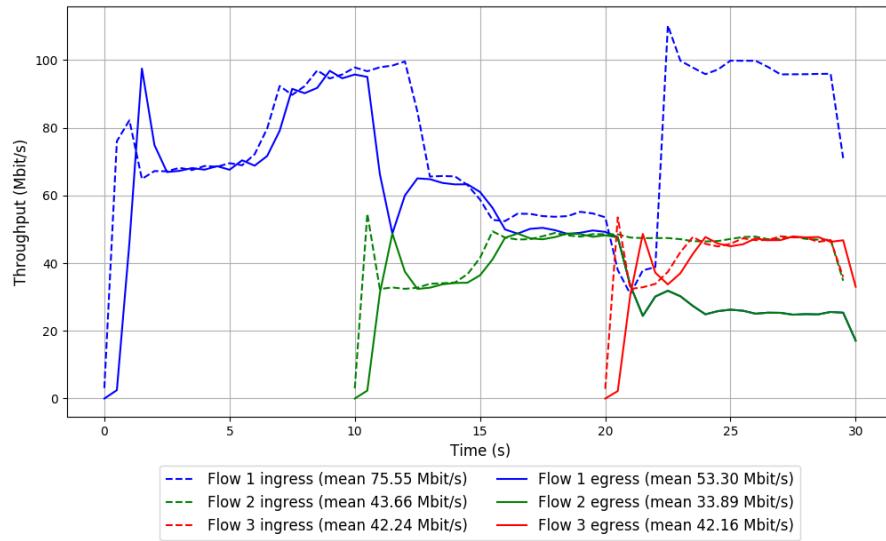


Run 1: Statistics of PCC-Allegro

```
Start at: 2019-07-12 16:04:24
End at: 2019-07-12 16:04:54
Local clock offset: -0.701 ms
Remote clock offset: -5.945 ms

# Below is generated by plot.py at 2019-07-12 19:09:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: 1644.286 ms
Loss rate: 24.50%
-- Flow 1:
Average throughput: 53.30 Mbit/s
95th percentile per-packet one-way delay: 1659.768 ms
Loss rate: 29.60%
-- Flow 2:
Average throughput: 33.89 Mbit/s
95th percentile per-packet one-way delay: 1337.836 ms
Loss rate: 22.62%
-- Flow 3:
Average throughput: 42.16 Mbit/s
95th percentile per-packet one-way delay: 126.704 ms
Loss rate: 0.85%
```

Run 1: Report of PCC-Allegro — Data Link

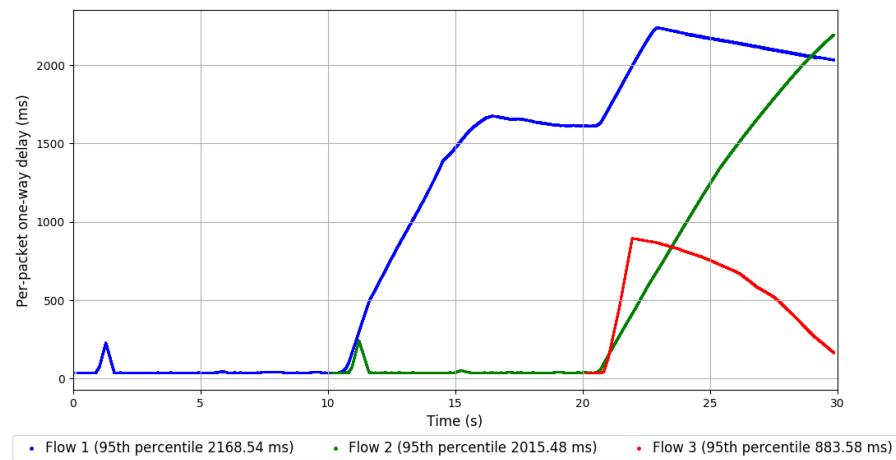
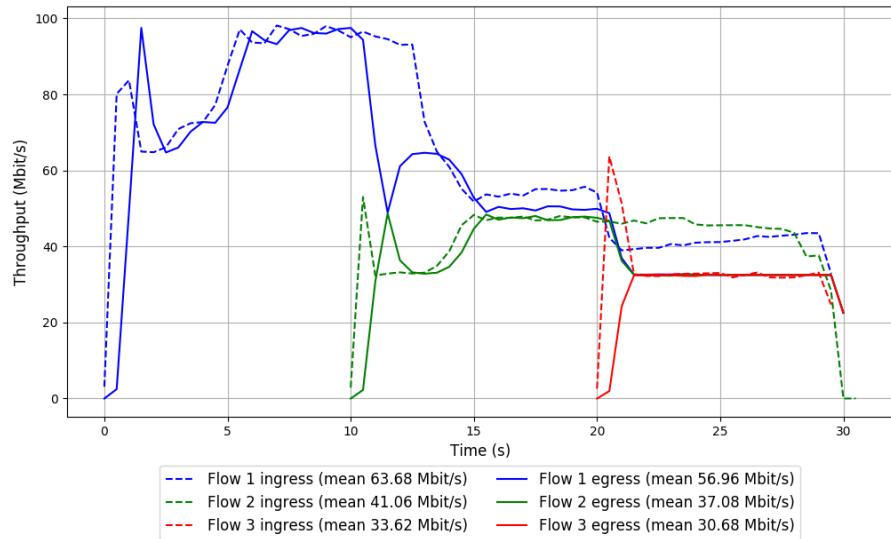


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-07-12 16:37:45
End at: 2019-07-12 16:38:15
Local clock offset: -3.039 ms
Remote clock offset: -4.045 ms

# Below is generated by plot.py at 2019-07-12 19:10:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 2137.085 ms
Loss rate: 11.37%
-- Flow 1:
Average throughput: 56.96 Mbit/s
95th percentile per-packet one-way delay: 2168.539 ms
Loss rate: 10.74%
-- Flow 2:
Average throughput: 37.08 Mbit/s
95th percentile per-packet one-way delay: 2015.482 ms
Loss rate: 13.56%
-- Flow 3:
Average throughput: 30.68 Mbit/s
95th percentile per-packet one-way delay: 883.583 ms
Loss rate: 9.33%
```

Run 2: Report of PCC-Allegro — Data Link

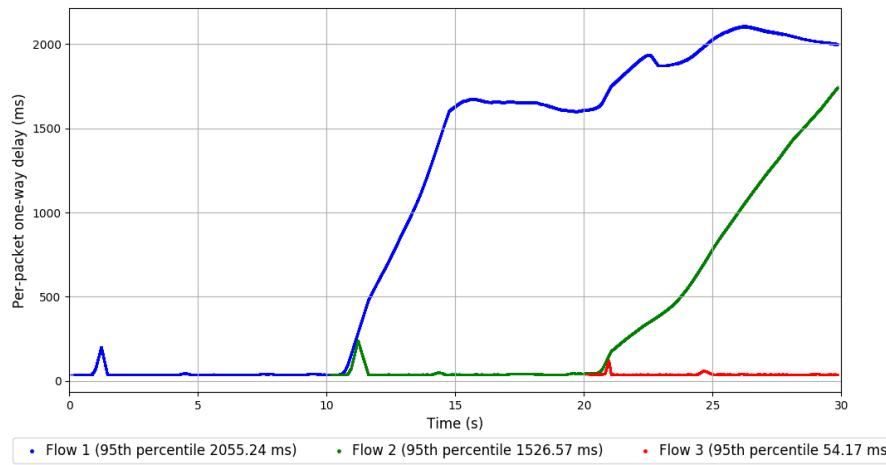
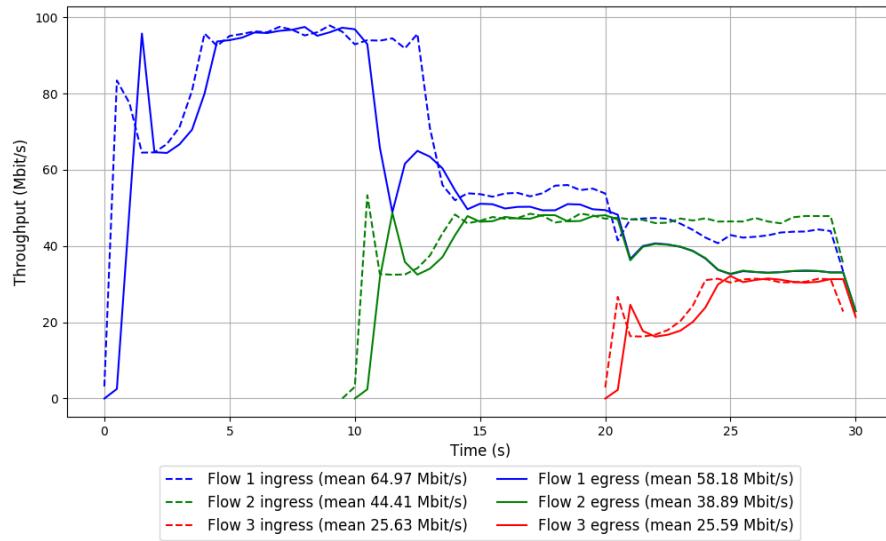


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-07-12 17:14:56
End at: 2019-07-12 17:15:26
Local clock offset: 5.602 ms
Remote clock offset: -2.834 ms

# Below is generated by plot.py at 2019-07-12 19:10:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 2016.405 ms
Loss rate: 10.42%
-- Flow 1:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 2055.235 ms
Loss rate: 10.64%
-- Flow 2:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 1526.570 ms
Loss rate: 12.69%
-- Flow 3:
Average throughput: 25.59 Mbit/s
95th percentile per-packet one-way delay: 54.175 ms
Loss rate: 0.82%
```

Run 3: Report of PCC-Allegro — Data Link

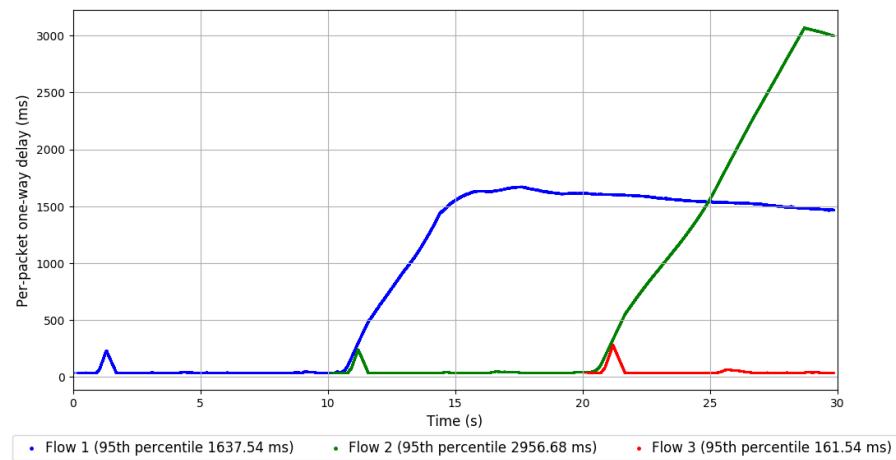
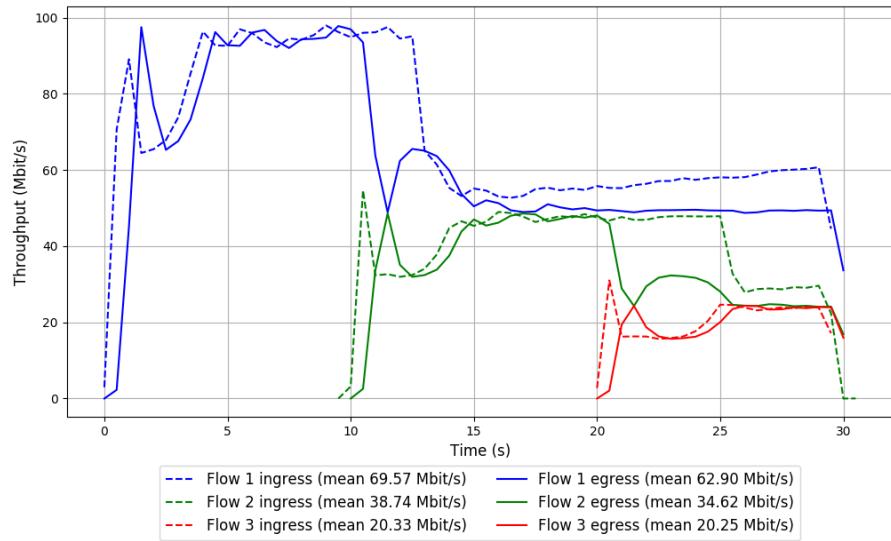


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-07-12 17:54:20
End at: 2019-07-12 17:54:50
Local clock offset: 10.939 ms
Remote clock offset: -1.737 ms

# Below is generated by plot.py at 2019-07-12 19:10:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 1666.646 ms
Loss rate: 10.45%
-- Flow 1:
Average throughput: 62.90 Mbit/s
95th percentile per-packet one-way delay: 1637.544 ms
Loss rate: 9.77%
-- Flow 2:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 2956.678 ms
Loss rate: 14.54%
-- Flow 3:
Average throughput: 20.25 Mbit/s
95th percentile per-packet one-way delay: 161.544 ms
Loss rate: 1.08%
```

Run 4: Report of PCC-Allegro — Data Link

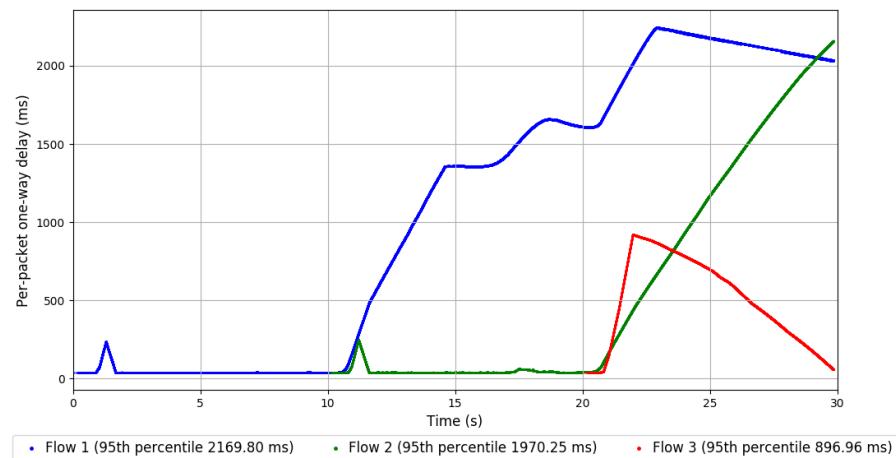
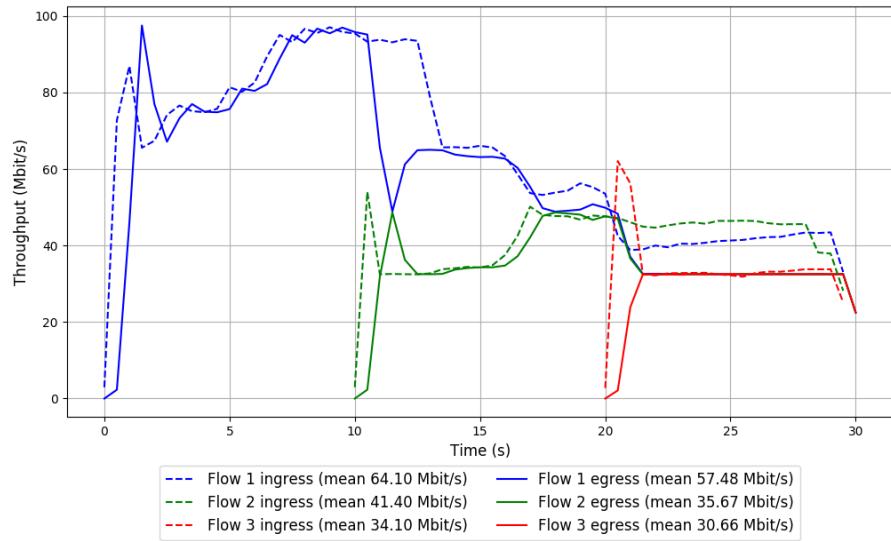


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-07-12 18:28:42
End at: 2019-07-12 18:29:12
Local clock offset: 10.178 ms
Remote clock offset: -0.926 ms

# Below is generated by plot.py at 2019-07-12 19:10:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 2133.226 ms
Loss rate: 11.50%
-- Flow 1:
Average throughput: 57.48 Mbit/s
95th percentile per-packet one-way delay: 2169.795 ms
Loss rate: 10.51%
-- Flow 2:
Average throughput: 35.67 Mbit/s
95th percentile per-packet one-way delay: 1970.251 ms
Loss rate: 14.12%
-- Flow 3:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 896.963 ms
Loss rate: 10.69%
```

Run 5: Report of PCC-Allegro — Data Link

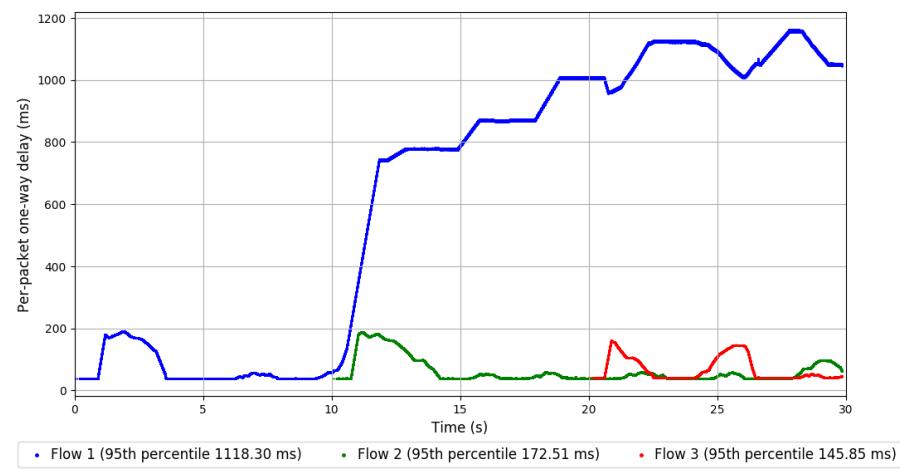
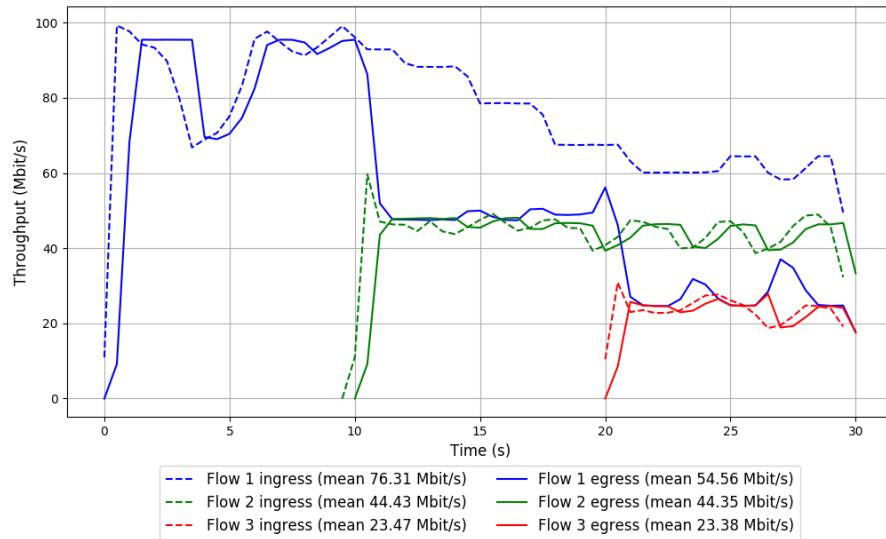


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-07-12 16:09:45
End at: 2019-07-12 16:10:15
Local clock offset: -1.645 ms
Remote clock offset: -5.576 ms

# Below is generated by plot.py at 2019-07-12 19:11:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 1071.735 ms
Loss rate: 19.44%
-- Flow 1:
Average throughput: 54.56 Mbit/s
95th percentile per-packet one-way delay: 1118.301 ms
Loss rate: 28.65%
-- Flow 2:
Average throughput: 44.35 Mbit/s
95th percentile per-packet one-way delay: 172.506 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 145.855 ms
Loss rate: 1.04%
```

Run 1: Report of PCC-Expr — Data Link

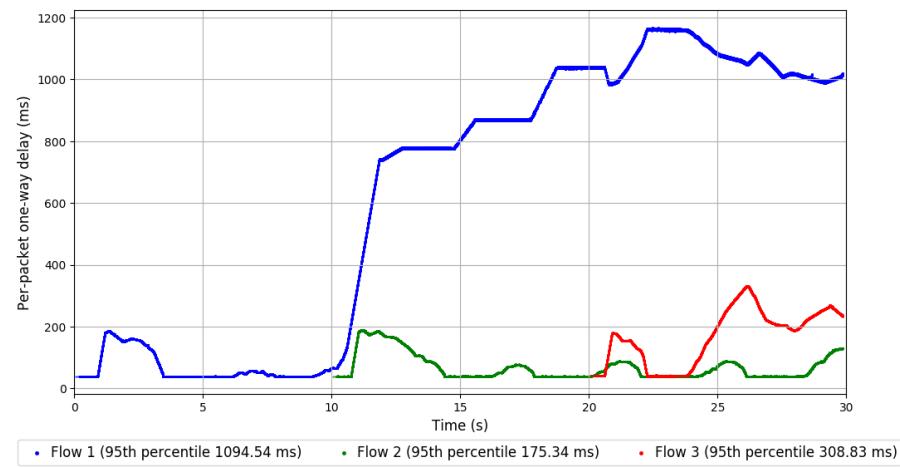
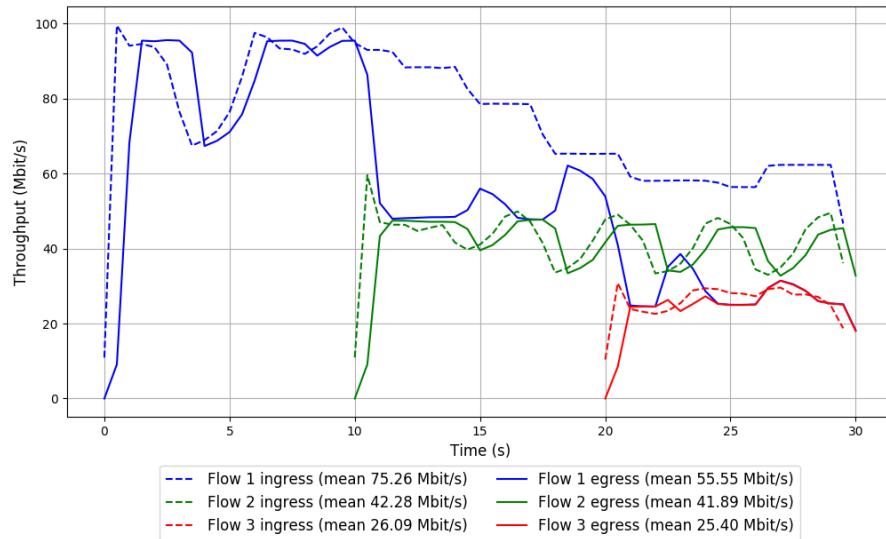


Run 2: Statistics of PCC-Expr

```
Start at: 2019-07-12 16:43:37
End at: 2019-07-12 16:44:07
Local clock offset: -3.18 ms
Remote clock offset: -3.645 ms

# Below is generated by plot.py at 2019-07-12 19:11:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 1055.411 ms
Loss rate: 18.27%
-- Flow 1:
Average throughput: 55.55 Mbit/s
95th percentile per-packet one-way delay: 1094.539 ms
Loss rate: 26.35%
-- Flow 2:
Average throughput: 41.89 Mbit/s
95th percentile per-packet one-way delay: 175.344 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 25.40 Mbit/s
95th percentile per-packet one-way delay: 308.832 ms
Loss rate: 3.25%
```

Run 2: Report of PCC-Expr — Data Link

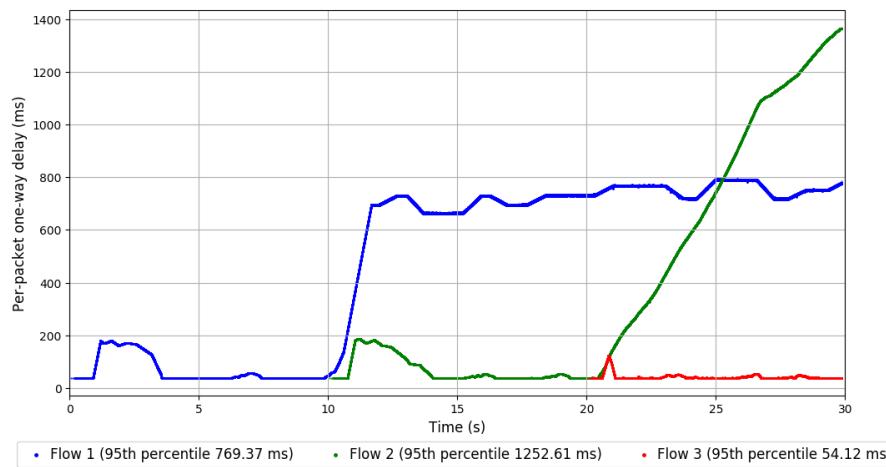
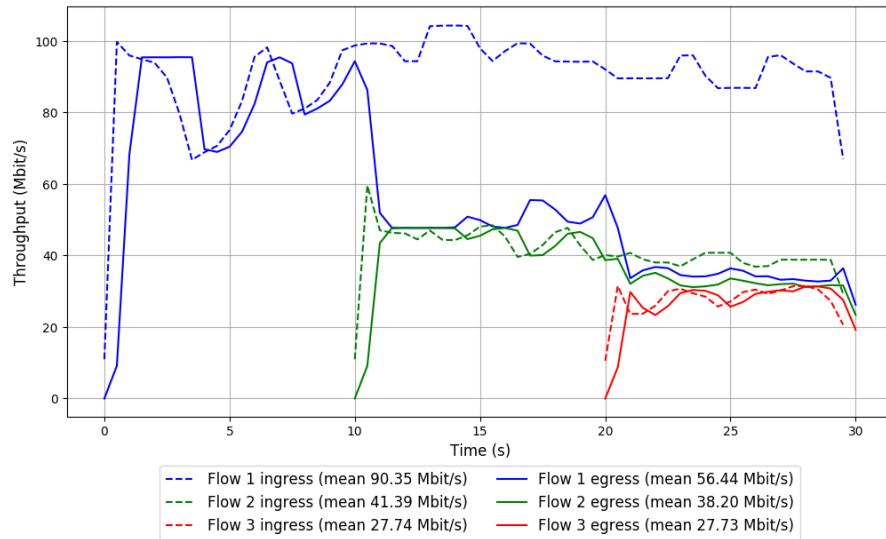


Run 3: Statistics of PCC-Expr

```
Start at: 2019-07-12 17:20:23
End at: 2019-07-12 17:20:53
Local clock offset: 7.646 ms
Remote clock offset: -2.582 ms

# Below is generated by plot.py at 2019-07-12 19:11:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: 862.499 ms
Loss rate: 28.56%
-- Flow 1:
Average throughput: 56.44 Mbit/s
95th percentile per-packet one-way delay: 769.372 ms
Loss rate: 37.65%
-- Flow 2:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 1252.605 ms
Loss rate: 8.00%
-- Flow 3:
Average throughput: 27.73 Mbit/s
95th percentile per-packet one-way delay: 54.125 ms
Loss rate: 0.68%
```

Run 3: Report of PCC-Expr — Data Link

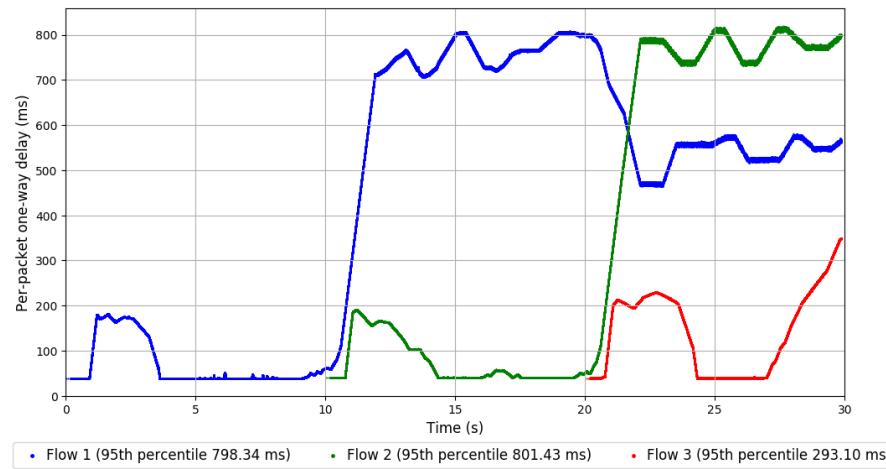
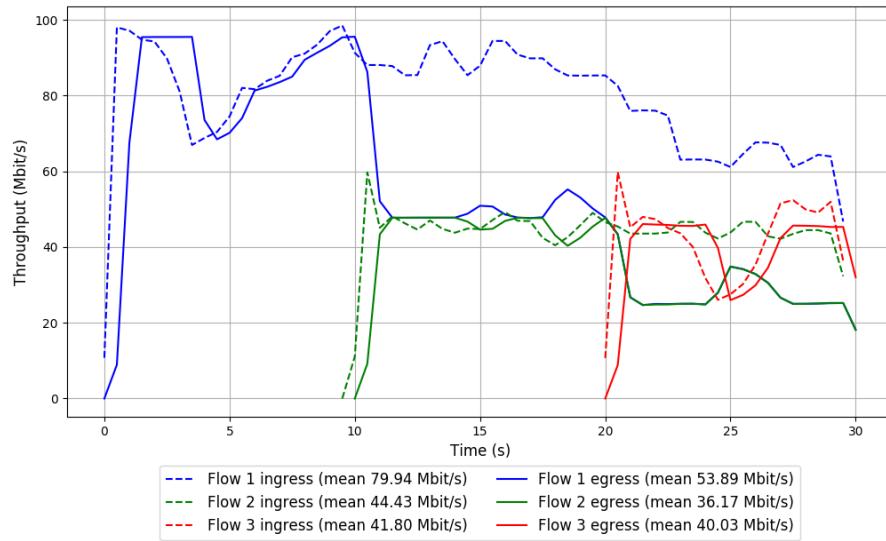


Run 4: Statistics of PCC-Expr

```
Start at: 2019-07-12 17:59:46
End at: 2019-07-12 18:00:16
Local clock offset: 11.177 ms
Remote clock offset: -1.67 ms

# Below is generated by plot.py at 2019-07-12 19:11:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 796.270 ms
Loss rate: 26.28%
-- Flow 1:
Average throughput: 53.89 Mbit/s
95th percentile per-packet one-way delay: 798.338 ms
Loss rate: 32.73%
-- Flow 2:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 801.430 ms
Loss rate: 18.85%
-- Flow 3:
Average throughput: 40.03 Mbit/s
95th percentile per-packet one-way delay: 293.095 ms
Loss rate: 4.85%
```

Run 4: Report of PCC-Expr — Data Link

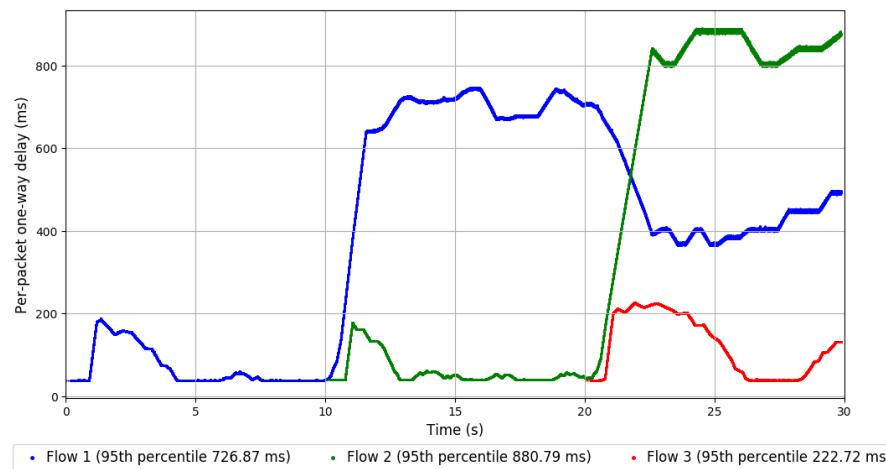
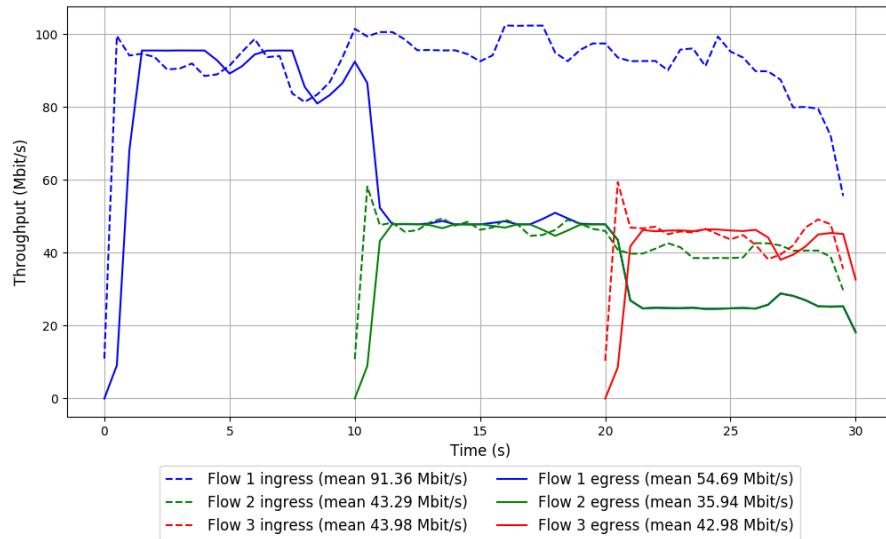


Run 5: Statistics of PCC-Expr

```
Start at: 2019-07-12 18:34:05
End at: 2019-07-12 18:34:35
Local clock offset: 9.268 ms
Remote clock offset: -0.949 ms

# Below is generated by plot.py at 2019-07-12 19:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 817.512 ms
Loss rate: 31.31%
-- Flow 1:
Average throughput: 54.69 Mbit/s
95th percentile per-packet one-way delay: 726.868 ms
Loss rate: 40.26%
-- Flow 2:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 880.793 ms
Loss rate: 17.24%
-- Flow 3:
Average throughput: 42.98 Mbit/s
95th percentile per-packet one-way delay: 222.719 ms
Loss rate: 2.89%
```

Run 5: Report of PCC-Expr — Data Link

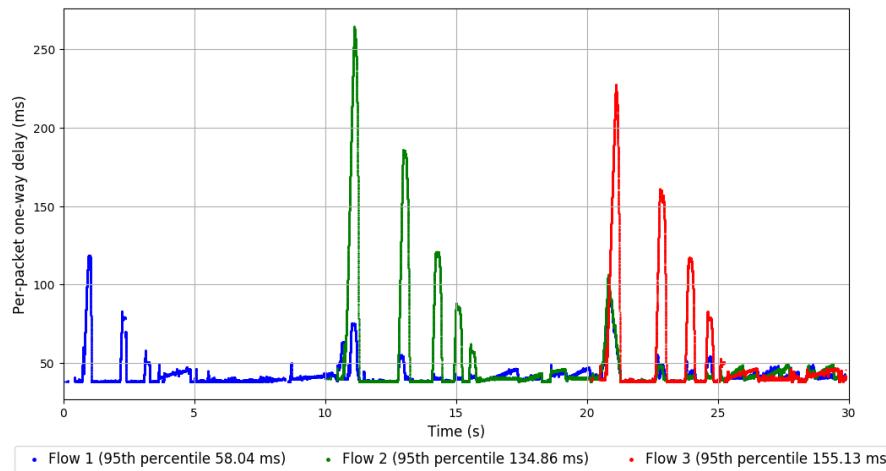
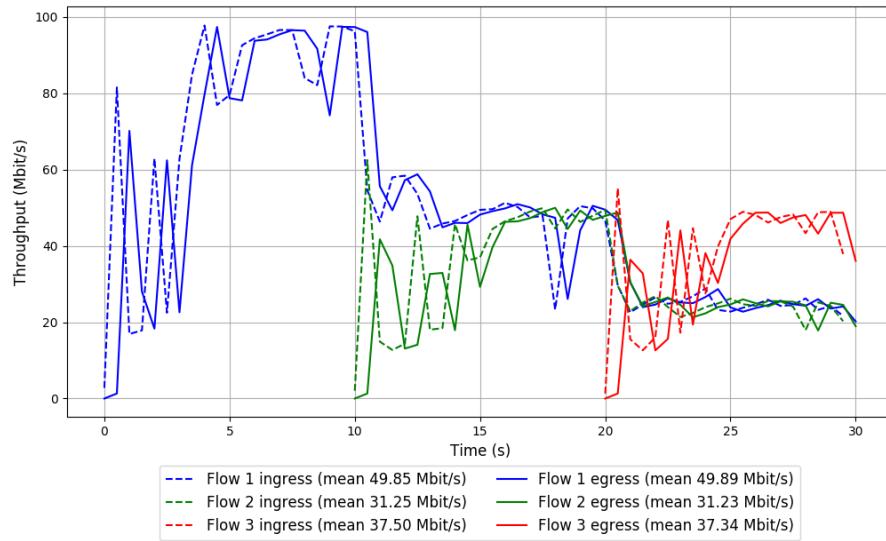


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-07-12 16:15:33
End at: 2019-07-12 16:16:03
Local clock offset: -2.279 ms
Remote clock offset: -5.427 ms

# Below is generated by plot.py at 2019-07-12 19:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.92 Mbit/s
95th percentile per-packet one-way delay: 90.607 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 58.042 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 134.856 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 37.34 Mbit/s
95th percentile per-packet one-way delay: 155.129 ms
Loss rate: 1.02%
```

Run 1: Report of QUIC Cubic — Data Link

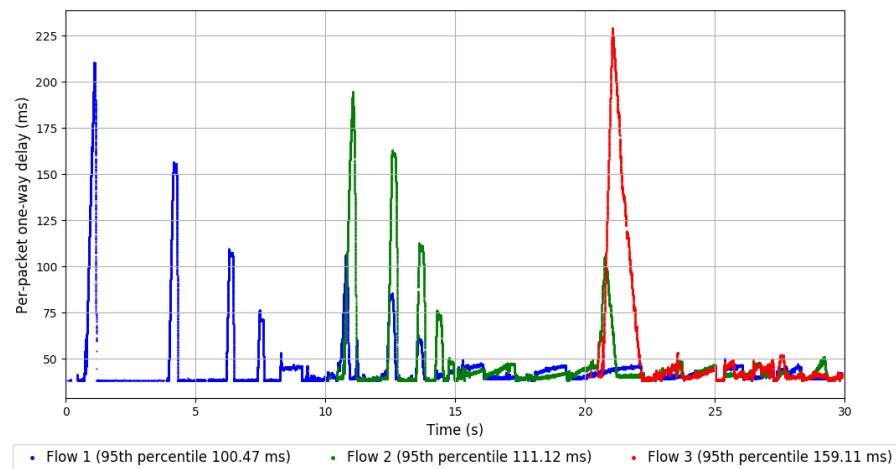
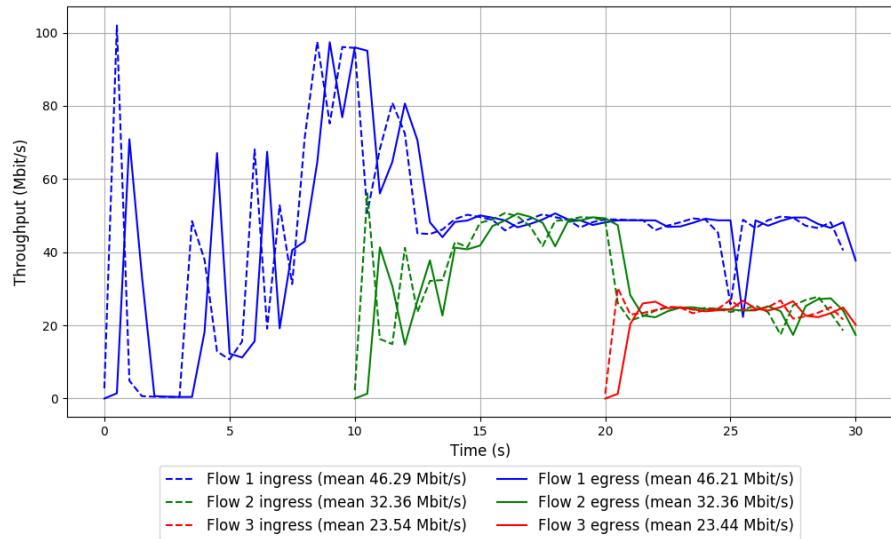


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-07-12 16:51:15
End at: 2019-07-12 16:51:45
Local clock offset: -3.317 ms
Remote clock offset: -3.499 ms

# Below is generated by plot.py at 2019-07-12 19:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.43 Mbit/s
95th percentile per-packet one-way delay: 107.184 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 100.475 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 32.36 Mbit/s
95th percentile per-packet one-way delay: 111.123 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 23.44 Mbit/s
95th percentile per-packet one-way delay: 159.107 ms
Loss rate: 1.06%
```

Run 2: Report of QUIC Cubic — Data Link

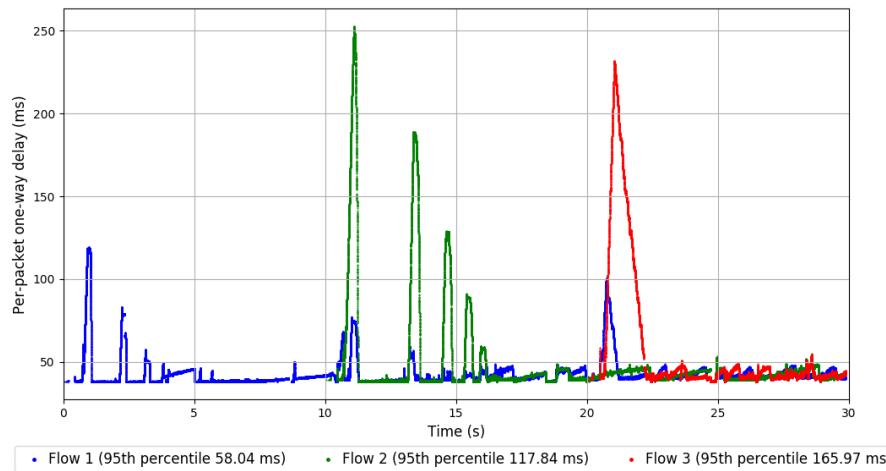
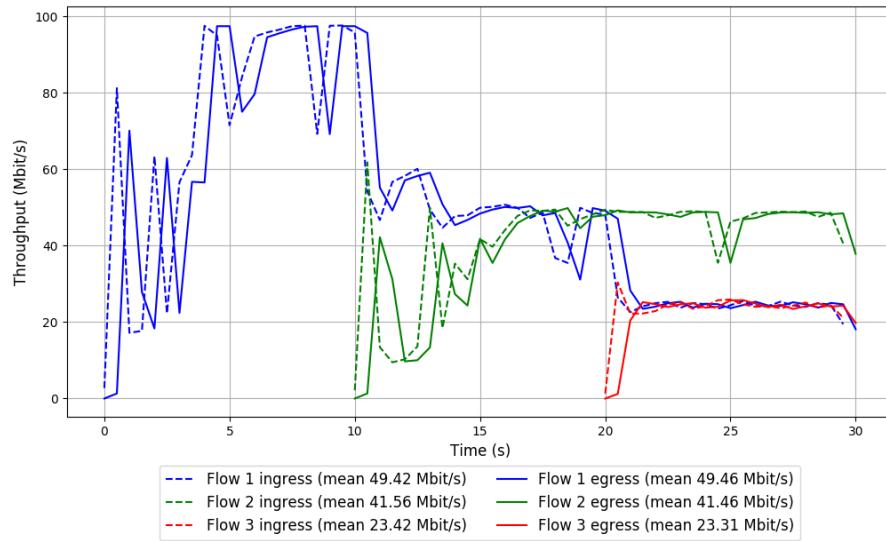


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-07-12 17:26:22
End at: 2019-07-12 17:26:52
Local clock offset: 9.287 ms
Remote clock offset: -2.34 ms

# Below is generated by plot.py at 2019-07-12 19:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.68 Mbit/s
95th percentile per-packet one-way delay: 78.764 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 49.46 Mbit/s
95th percentile per-packet one-way delay: 58.036 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 41.46 Mbit/s
95th percentile per-packet one-way delay: 117.841 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: 165.967 ms
Loss rate: 1.11%
```

Run 3: Report of QUIC Cubic — Data Link

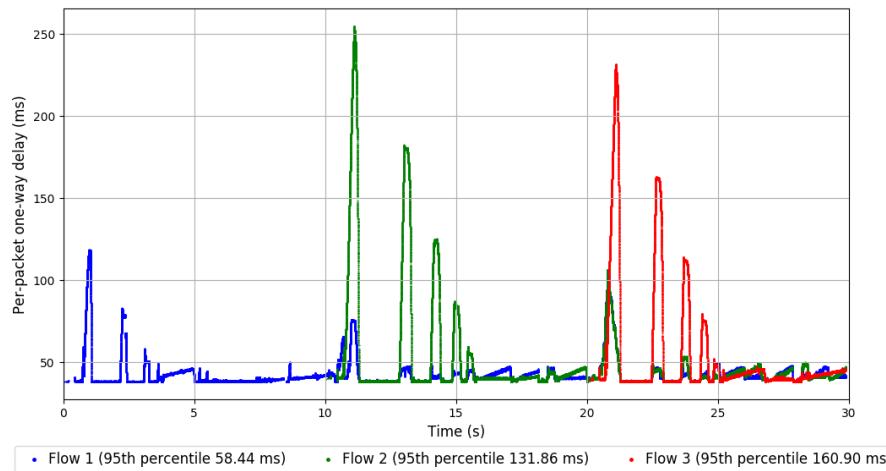
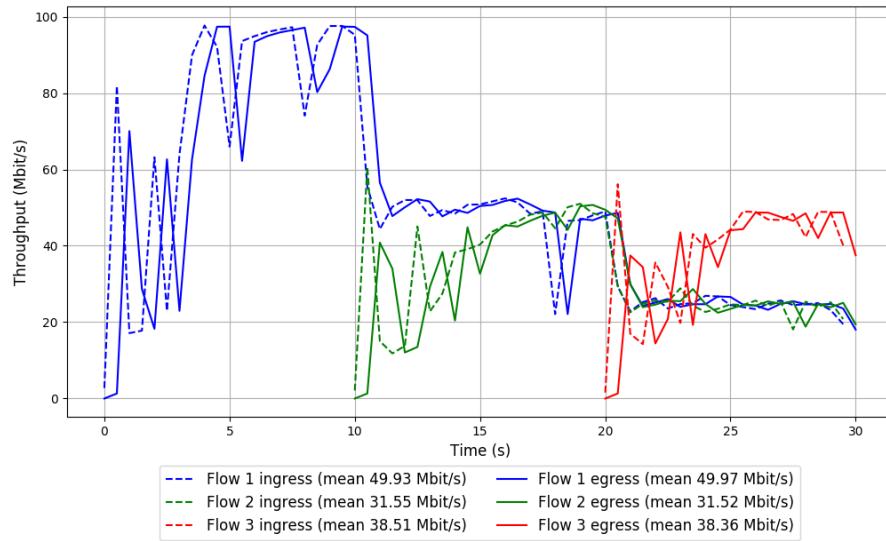


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-07-12 18:06:00
End at: 2019-07-12 18:06:30
Local clock offset: 9.97 ms
Remote clock offset: -1.575 ms

# Below is generated by plot.py at 2019-07-12 19:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 90.377 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 49.97 Mbit/s
95th percentile per-packet one-way delay: 58.435 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 31.52 Mbit/s
95th percentile per-packet one-way delay: 131.862 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 38.36 Mbit/s
95th percentile per-packet one-way delay: 160.904 ms
Loss rate: 1.04%
```

Run 4: Report of QUIC Cubic — Data Link

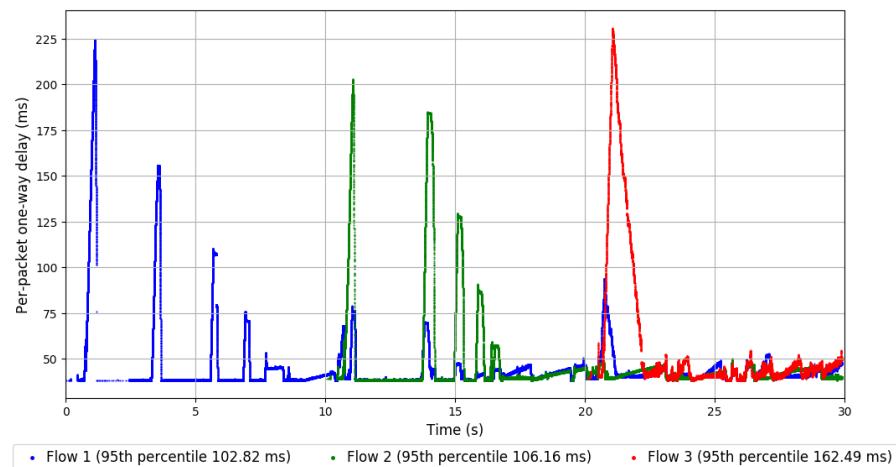
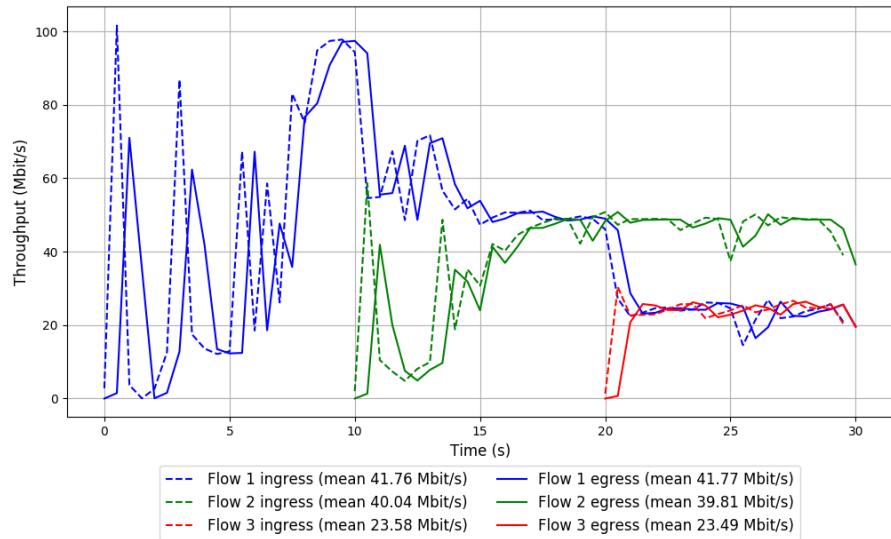


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-07-12 18:40:04
End at: 2019-07-12 18:40:34
Local clock offset: 8.783 ms
Remote clock offset: -0.971 ms

# Below is generated by plot.py at 2019-07-12 19:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.94 Mbit/s
95th percentile per-packet one-way delay: 107.579 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 41.77 Mbit/s
95th percentile per-packet one-way delay: 102.823 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 106.157 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 23.49 Mbit/s
95th percentile per-packet one-way delay: 162.494 ms
Loss rate: 1.03%
```

Run 5: Report of QUIC Cubic — Data Link

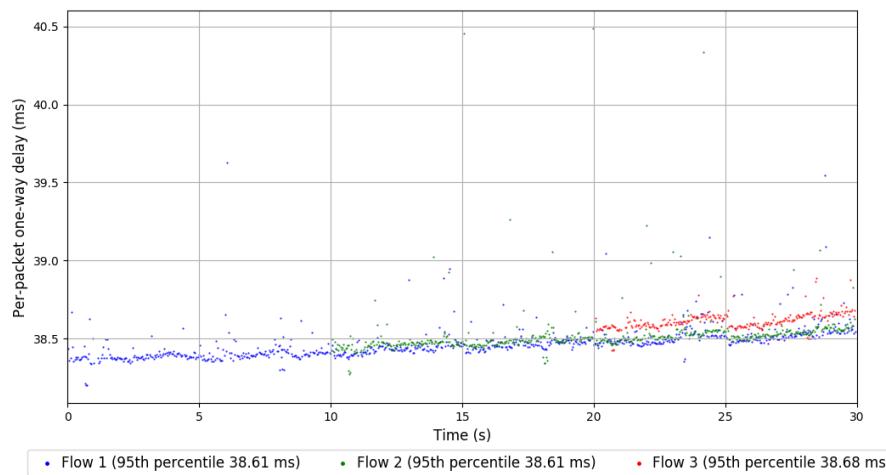
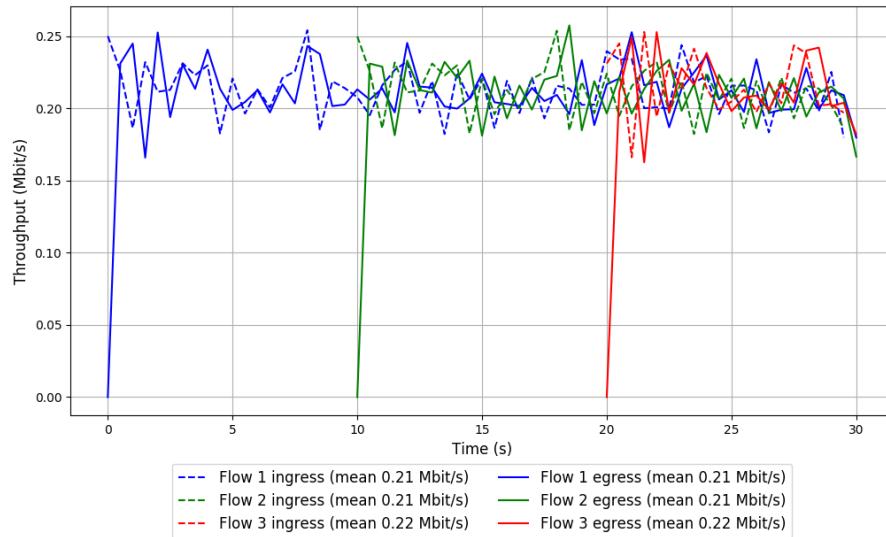


```
Run 1: Statistics of SCReAM
```

```
Start at: 2019-07-12 16:02:00
End at: 2019-07-12 16:02:30
Local clock offset: -0.032 ms
Remote clock offset: -6.033 ms

# Below is generated by plot.py at 2019-07-12 19:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 38.660 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.608 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.611 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.677 ms
Loss rate: 0.71%
```

Run 1: Report of SCReAM — Data Link

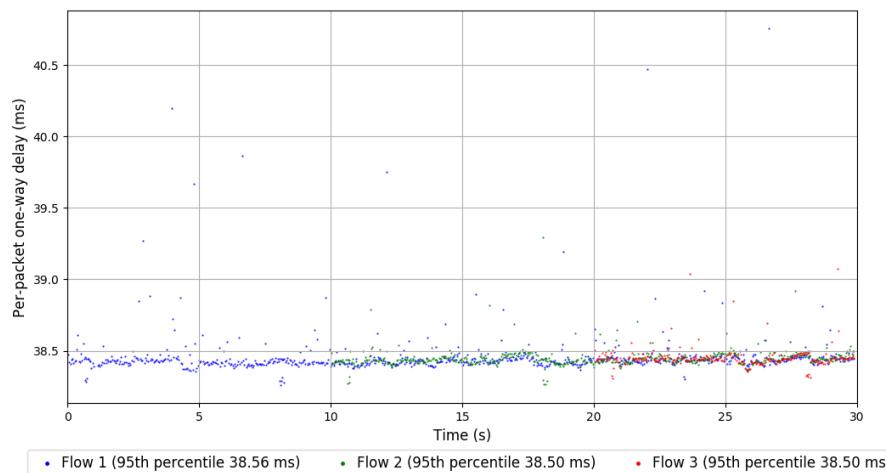
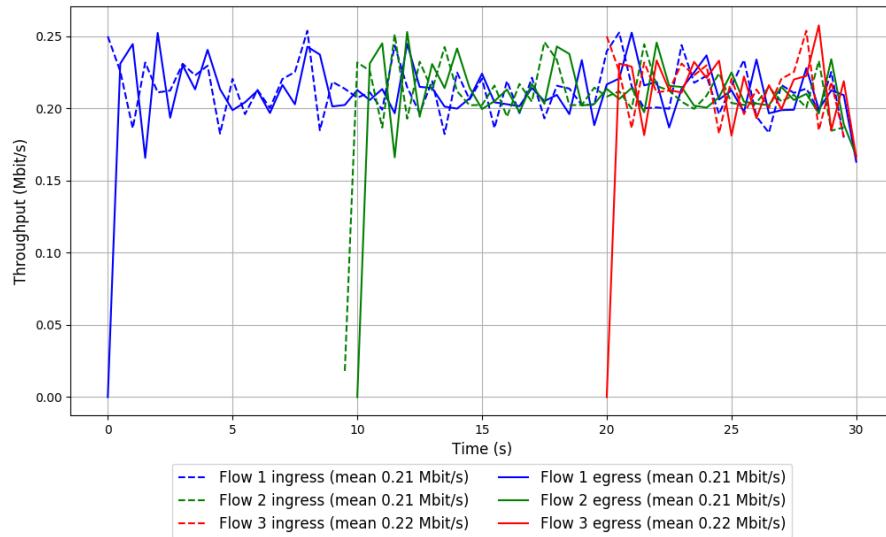


Run 2: Statistics of SCReAM

```
Start at: 2019-07-12 16:35:07
End at: 2019-07-12 16:35:37
Local clock offset: -2.968 ms
Remote clock offset: -4.197 ms

# Below is generated by plot.py at 2019-07-12 19:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 38.528 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.558 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.504 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.503 ms
Loss rate: 0.71%
```

Run 2: Report of SCReAM — Data Link

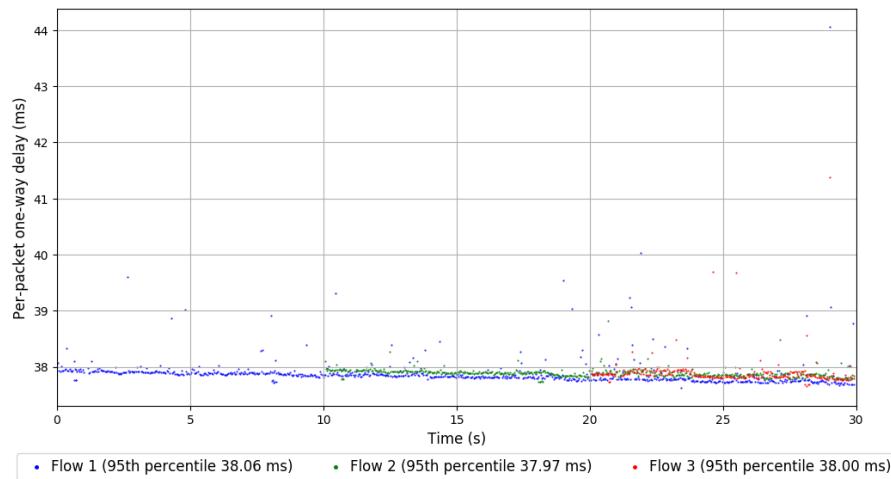
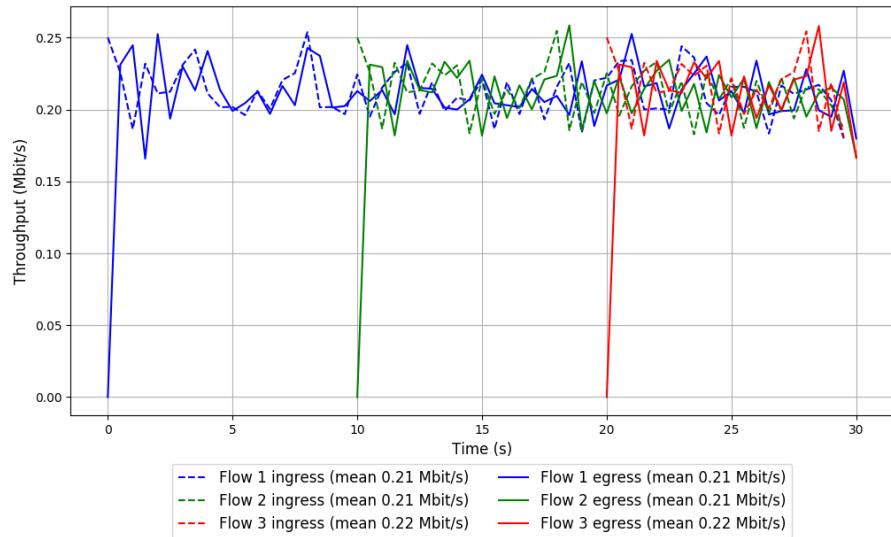


Run 3: Statistics of SCReAM

```
Start at: 2019-07-12 17:12:29
End at: 2019-07-12 17:12:59
Local clock offset: 4.306 ms
Remote clock offset: -2.811 ms

# Below is generated by plot.py at 2019-07-12 19:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 38.018 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.064 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 37.973 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.999 ms
Loss rate: 0.71%
```

Run 3: Report of SCReAM — Data Link

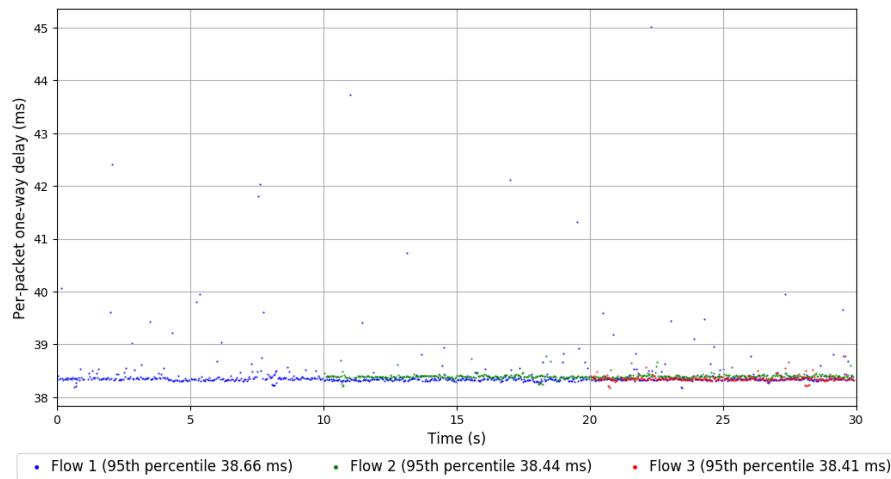
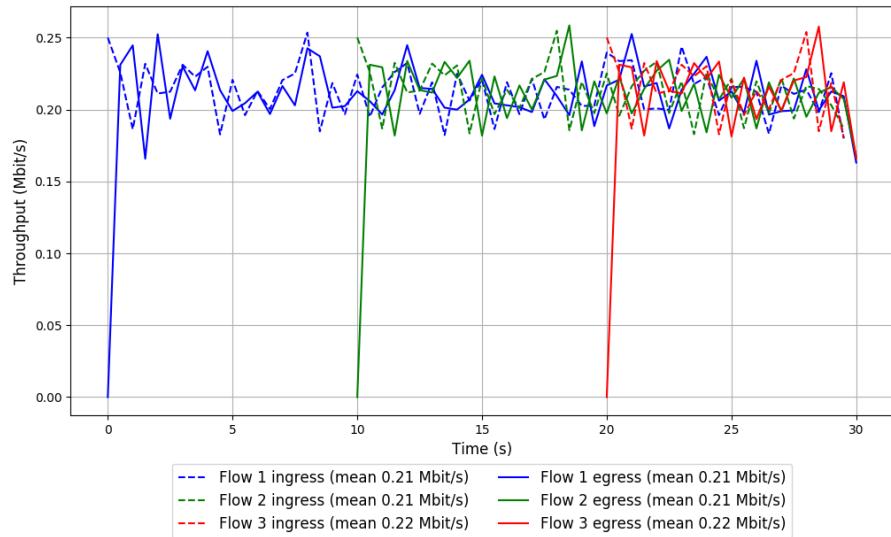


Run 4: Statistics of SCReAM

```
Start at: 2019-07-12 17:51:46
End at: 2019-07-12 17:52:16
Local clock offset: 10.694 ms
Remote clock offset: -1.888 ms

# Below is generated by plot.py at 2019-07-12 19:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 38.513 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.663 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.444 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.413 ms
Loss rate: 0.71%
```

Run 4: Report of SCReAM — Data Link

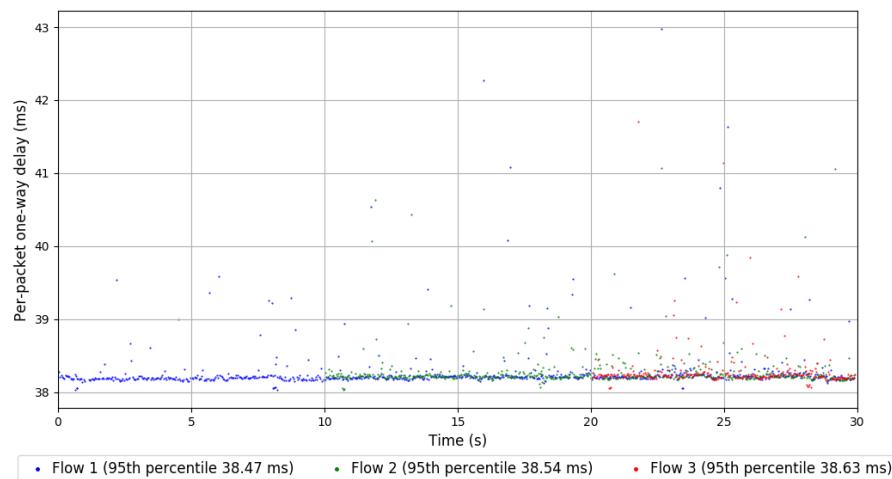
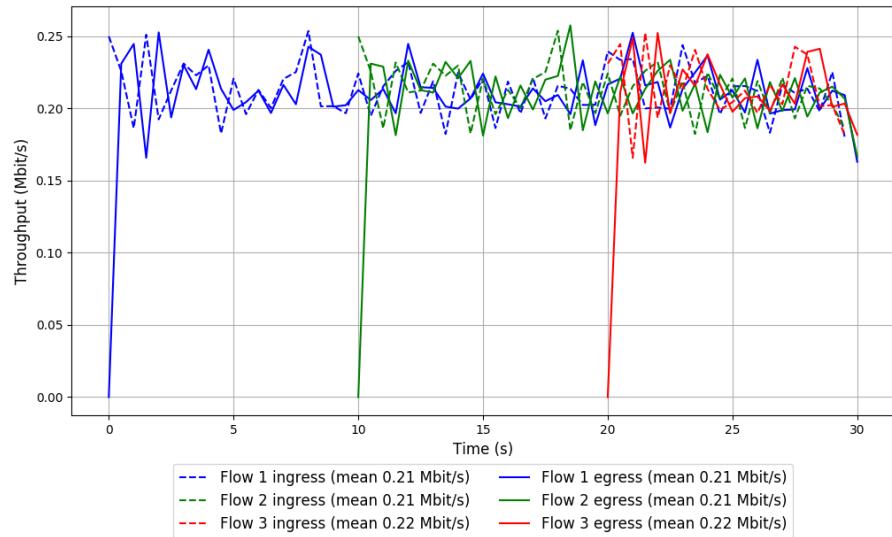


Run 5: Statistics of SCReAM

```
Start at: 2019-07-12 18:26:05
End at: 2019-07-12 18:26:35
Local clock offset: 10.051 ms
Remote clock offset: -0.873 ms

# Below is generated by plot.py at 2019-07-12 19:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 38.533 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.468 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.544 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.626 ms
Loss rate: 0.35%
```

Run 5: Report of SCReAM — Data Link

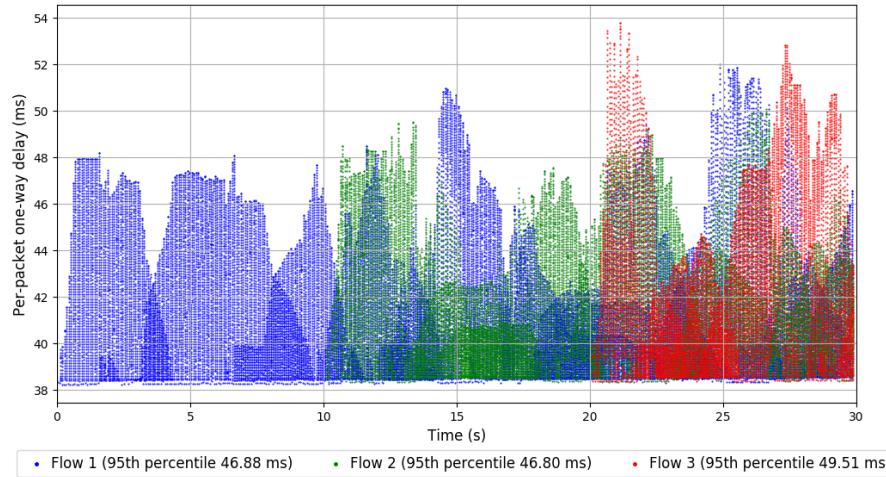
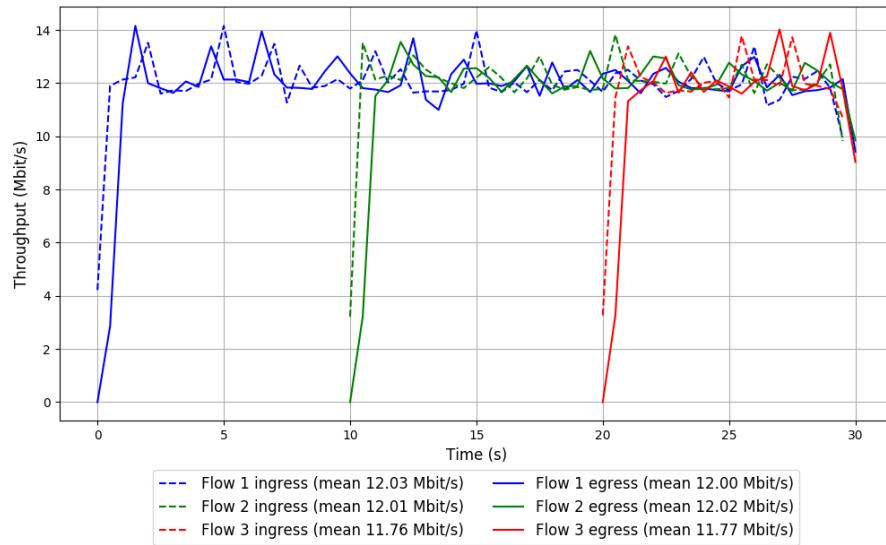


Run 1: Statistics of Sprout

```
Start at: 2019-07-12 16:05:44
End at: 2019-07-12 16:06:14
Local clock offset: -1.021 ms
Remote clock offset: -5.946 ms

# Below is generated by plot.py at 2019-07-12 19:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 47.292 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 46.881 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 46.798 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 11.77 Mbit/s
95th percentile per-packet one-way delay: 49.505 ms
Loss rate: 0.72%
```

Run 1: Report of Sprout — Data Link

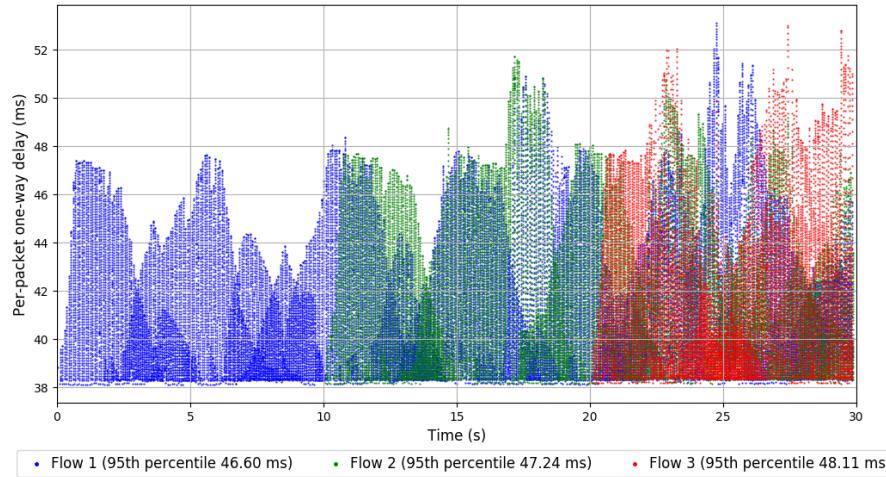
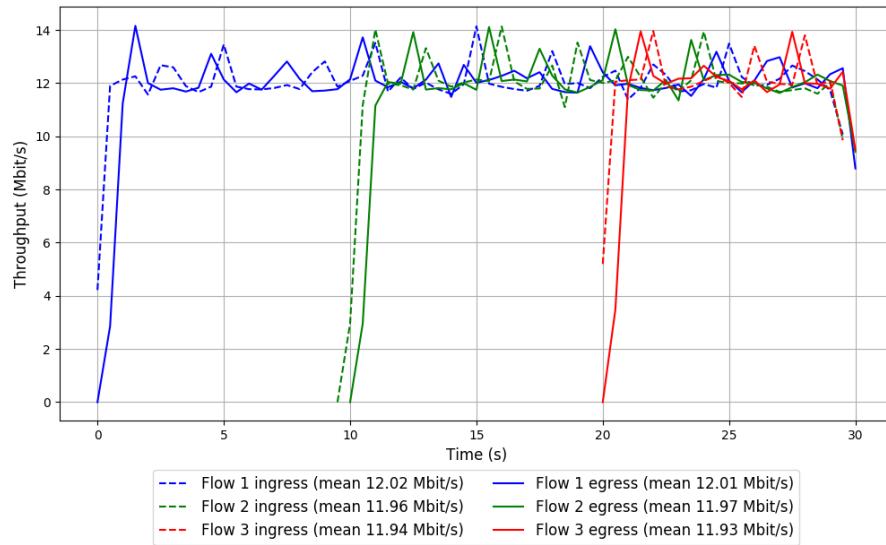


Run 2: Statistics of Sprout

```
Start at: 2019-07-12 16:39:16
End at: 2019-07-12 16:39:46
Local clock offset: -3.07 ms
Remote clock offset: -3.942 ms

# Below is generated by plot.py at 2019-07-12 19:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 47.098 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 46.602 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 47.243 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 48.109 ms
Loss rate: 0.83%
```

Run 2: Report of Sprout — Data Link

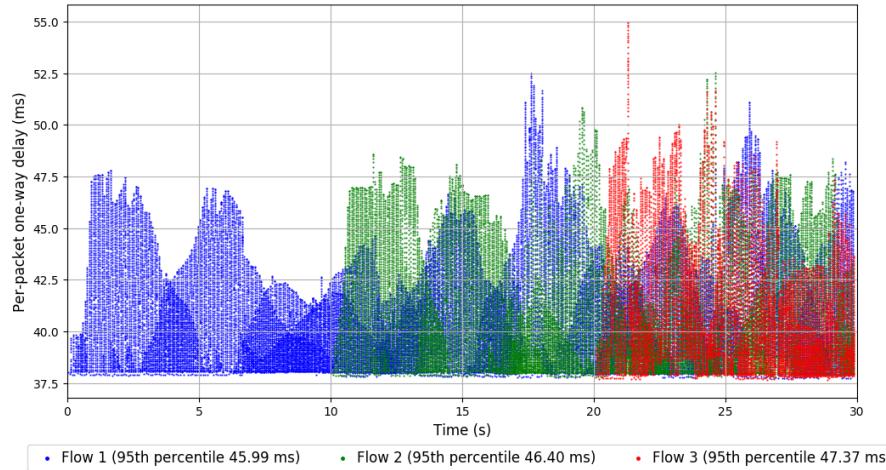
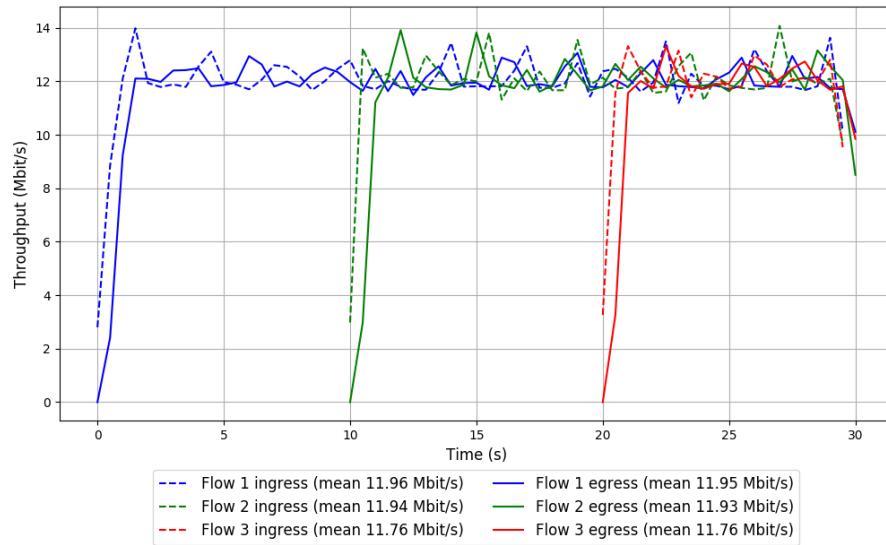


Run 3: Statistics of Sprout

```
Start at: 2019-07-12 17:16:21
End at: 2019-07-12 17:16:51
Local clock offset: 6.166 ms
Remote clock offset: -2.598 ms

# Below is generated by plot.py at 2019-07-12 19:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.74 Mbit/s
95th percentile per-packet one-way delay: 46.386 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 45.990 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 46.402 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 47.365 ms
Loss rate: 0.60%
```

Run 3: Report of Sprout — Data Link

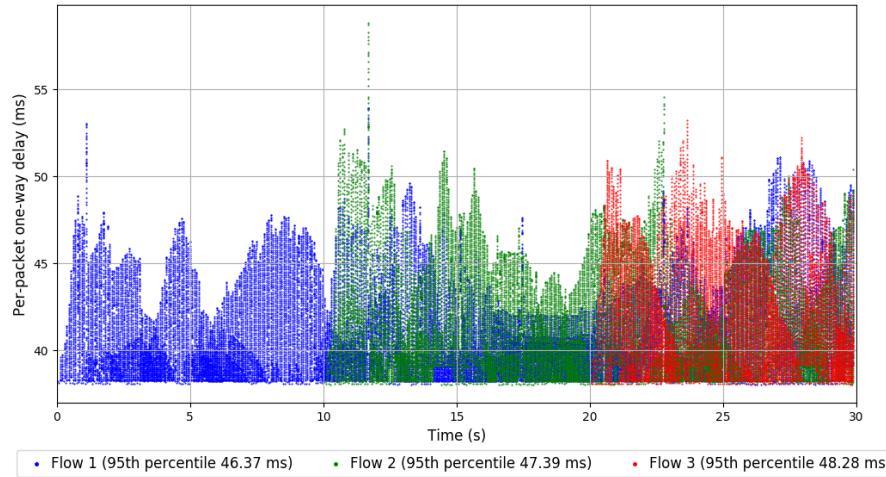
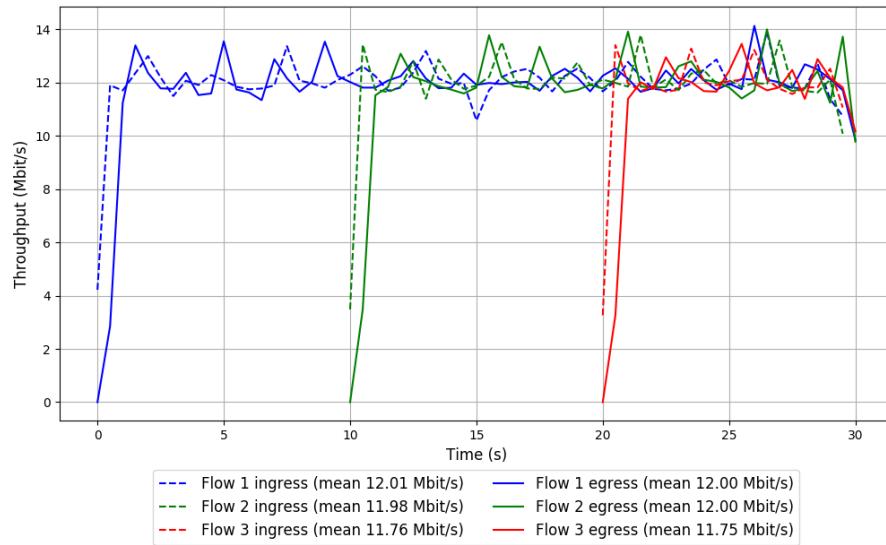


Run 4: Statistics of Sprout

```
Start at: 2019-07-12 17:55:39
End at: 2019-07-12 17:56:09
Local clock offset: 11.152 ms
Remote clock offset: -1.705 ms

# Below is generated by plot.py at 2019-07-12 19:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.85 Mbit/s
95th percentile per-packet one-way delay: 47.098 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 46.371 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 47.387 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 48.278 ms
Loss rate: 0.69%
```

Run 4: Report of Sprout — Data Link

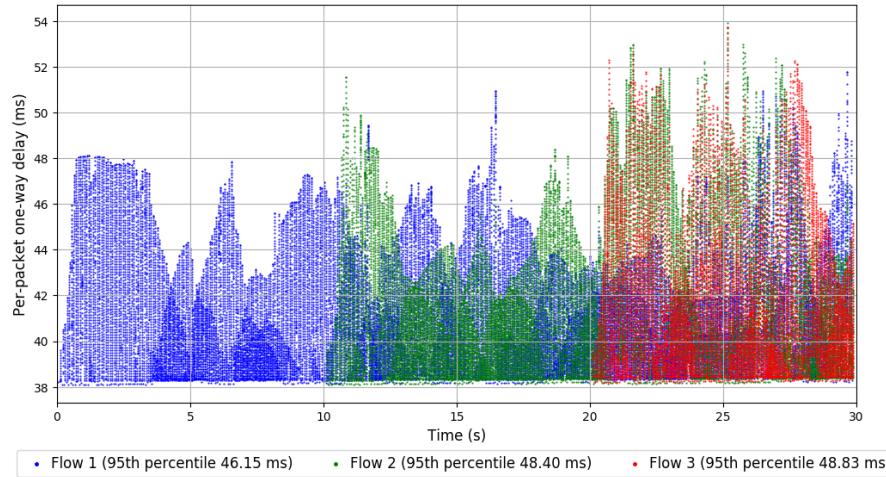
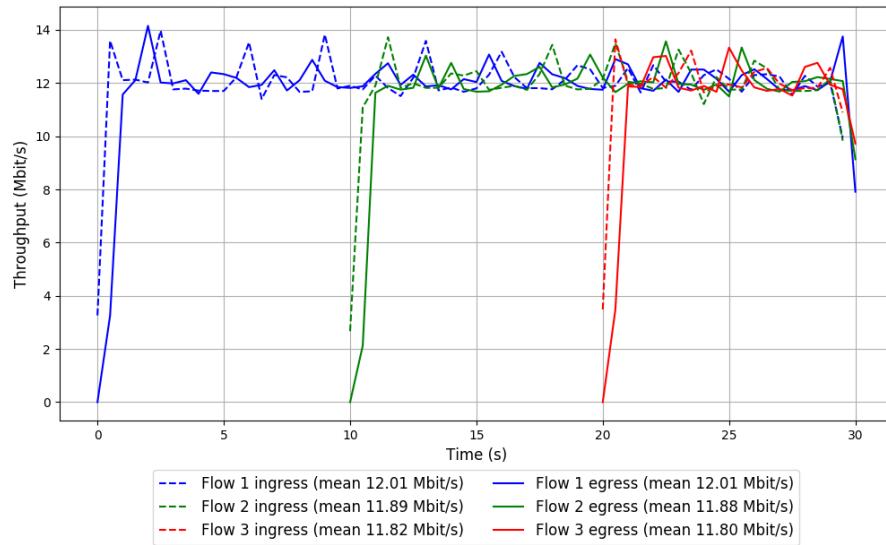


Run 5: Statistics of Sprout

```
Start at: 2019-07-12 18:30:07
End at: 2019-07-12 18:30:37
Local clock offset: 9.904 ms
Remote clock offset: -0.747 ms

# Below is generated by plot.py at 2019-07-12 19:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 47.444 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 46.146 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 48.398 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 48.832 ms
Loss rate: 0.85%
```

Run 5: Report of Sprout — Data Link

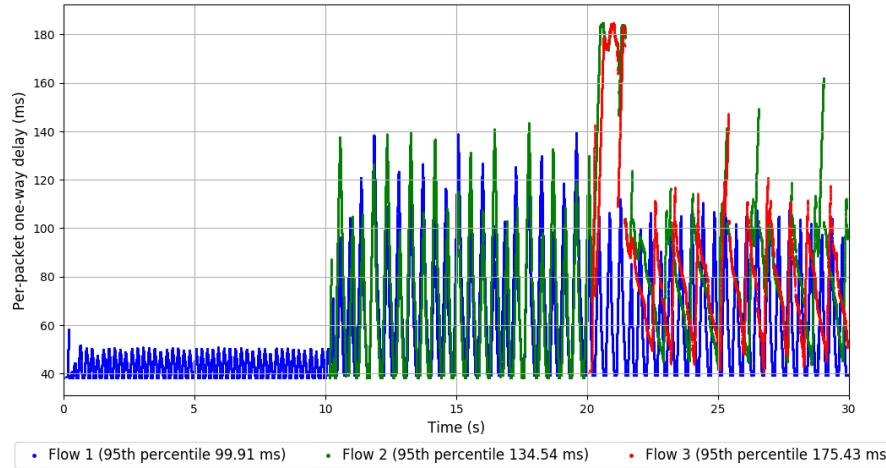
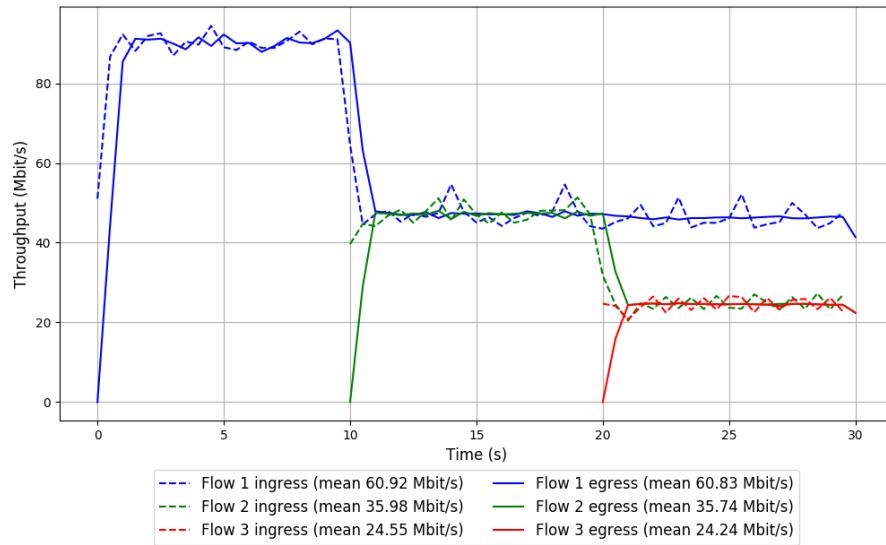


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-07-12 16:24:58
End at: 2019-07-12 16:25:28
Local clock offset: -2.747 ms
Remote clock offset: -4.731 ms

# Below is generated by plot.py at 2019-07-12 19:13:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.65 Mbit/s
95th percentile per-packet one-way delay: 113.782 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 99.905 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 35.74 Mbit/s
95th percentile per-packet one-way delay: 134.539 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 175.434 ms
Loss rate: 1.92%
```

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

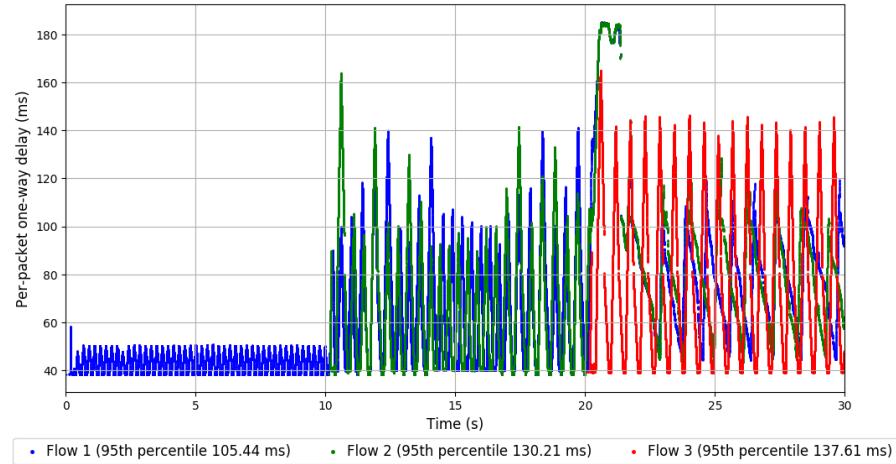
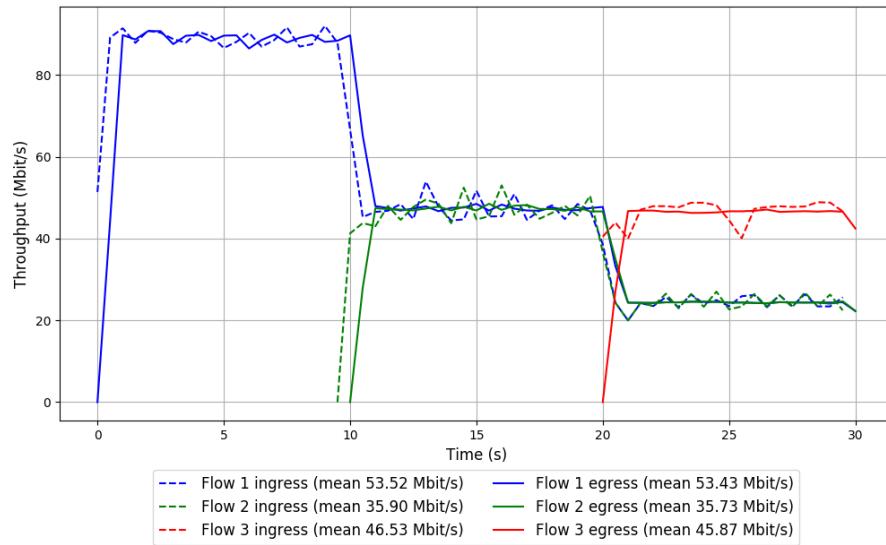


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-07-12 17:01:53
End at: 2019-07-12 17:02:23
Local clock offset: -3.496 ms
Remote clock offset: -3.128 ms

# Below is generated by plot.py at 2019-07-12 19:14:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 126.261 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 53.43 Mbit/s
95th percentile per-packet one-way delay: 105.442 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 35.73 Mbit/s
95th percentile per-packet one-way delay: 130.206 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 45.87 Mbit/s
95th percentile per-packet one-way delay: 137.607 ms
Loss rate: 2.05%
```

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

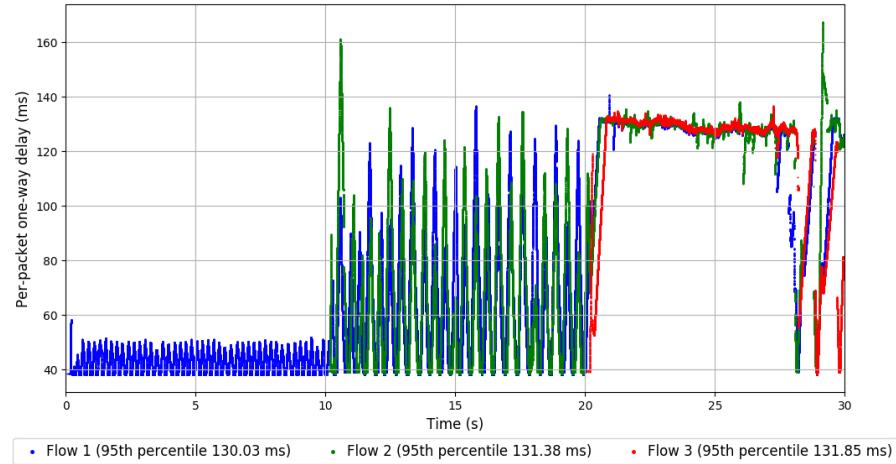
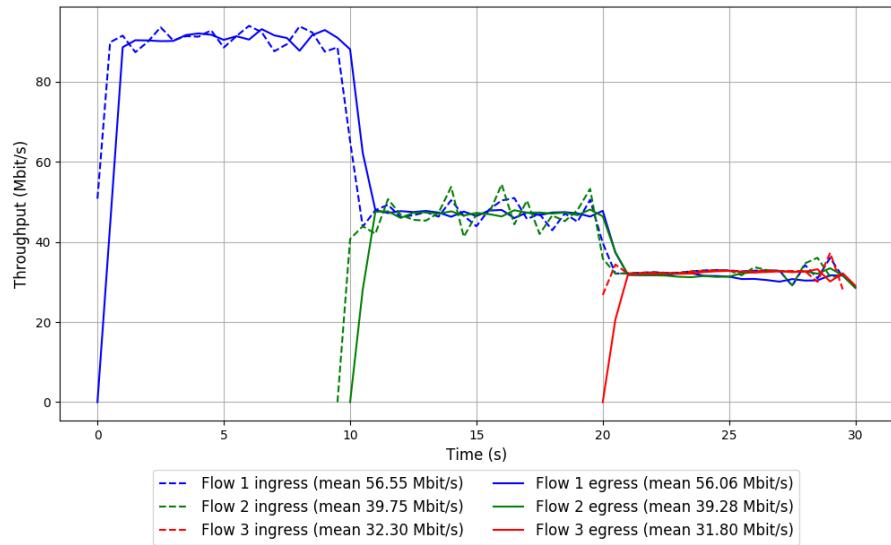


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-07-12 17:38:09
End at: 2019-07-12 17:38:39
Local clock offset: 9.514 ms
Remote clock offset: -2.138 ms

# Below is generated by plot.py at 2019-07-12 19:14:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 131.075 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 56.06 Mbit/s
95th percentile per-packet one-way delay: 130.026 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 39.28 Mbit/s
95th percentile per-packet one-way delay: 131.381 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 131.850 ms
Loss rate: 2.18%
```

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

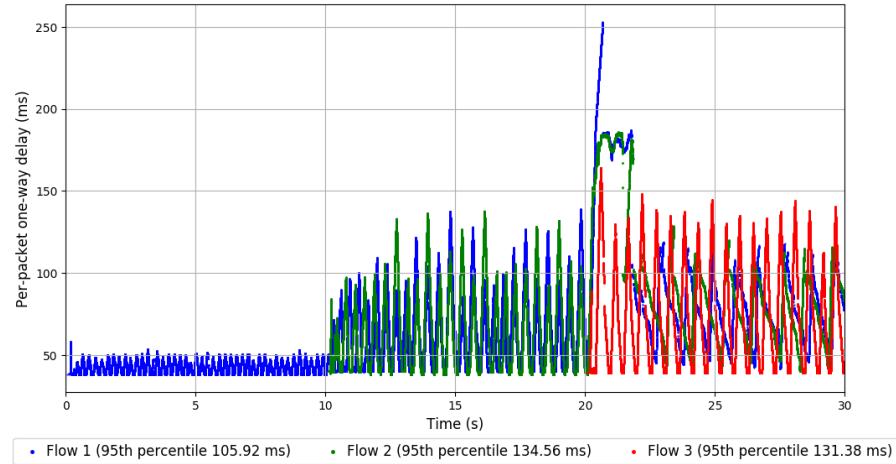
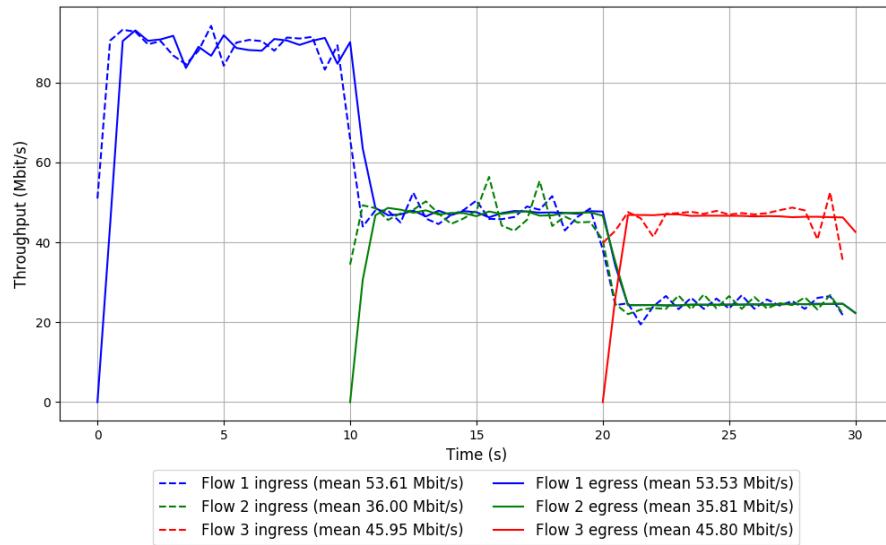


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-07-12 18:15:48
End at: 2019-07-12 18:16:18
Local clock offset: 9.622 ms
Remote clock offset: -1.301 ms

# Below is generated by plot.py at 2019-07-12 19:14:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.53 Mbit/s
95th percentile per-packet one-way delay: 123.722 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 53.53 Mbit/s
95th percentile per-packet one-way delay: 105.915 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 35.81 Mbit/s
95th percentile per-packet one-way delay: 134.564 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 131.379 ms
Loss rate: 0.97%
```

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

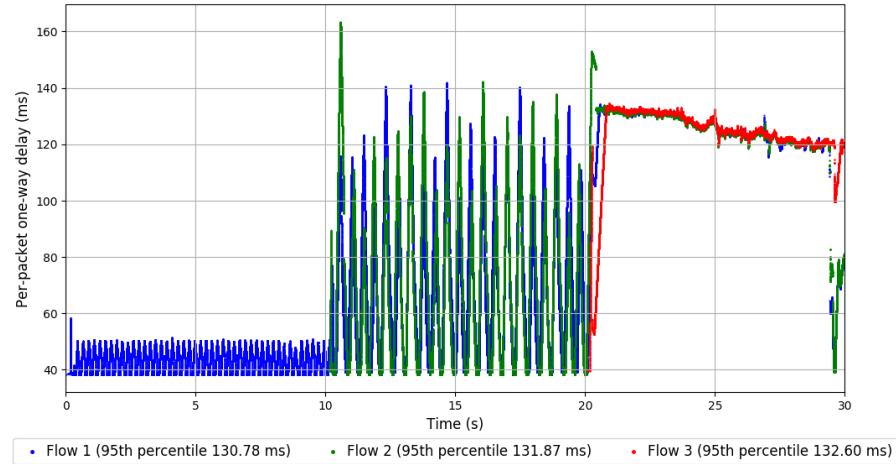
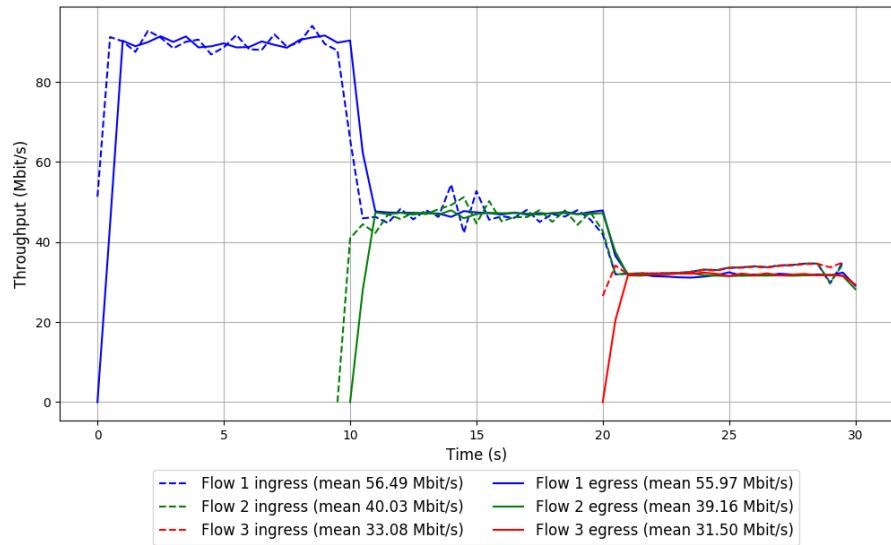


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-07-12 18:49:47
End at: 2019-07-12 18:50:17
Local clock offset: 8.653 ms
Remote clock offset: -0.957 ms

# Below is generated by plot.py at 2019-07-12 19:14:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.47 Mbit/s
95th percentile per-packet one-way delay: 131.611 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 130.777 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 131.871 ms
Loss rate: 2.48%
-- Flow 3:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 132.599 ms
Loss rate: 5.38%
```

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

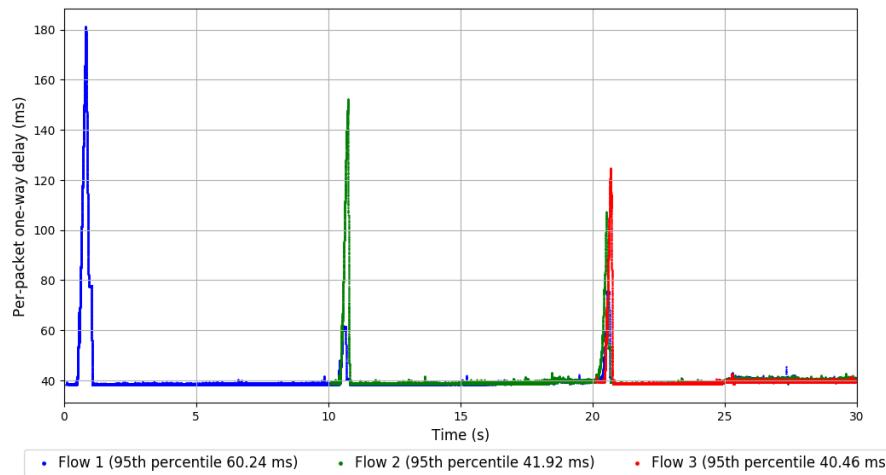
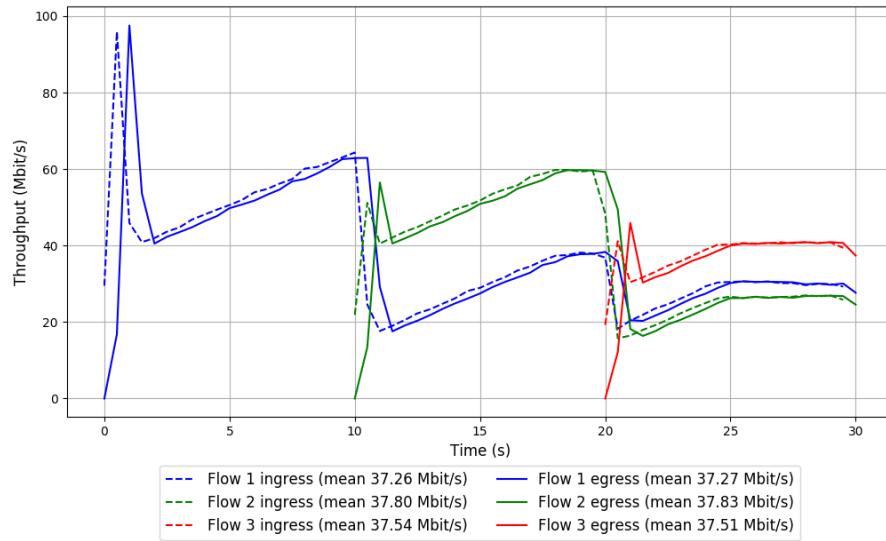


Run 1: Statistics of TCP Vegas

```
Start at: 2019-07-12 16:03:09
End at: 2019-07-12 16:03:40
Local clock offset: -0.398 ms
Remote clock offset: -5.988 ms

# Below is generated by plot.py at 2019-07-12 19:14:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.85 Mbit/s
95th percentile per-packet one-way delay: 47.426 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 37.27 Mbit/s
95th percentile per-packet one-way delay: 60.243 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 41.920 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 40.456 ms
Loss rate: 0.72%
```

Run 1: Report of TCP Vegas — Data Link

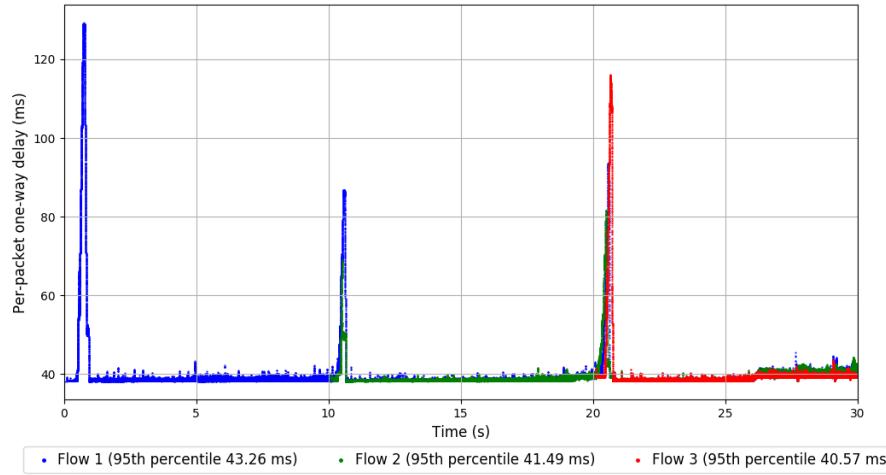
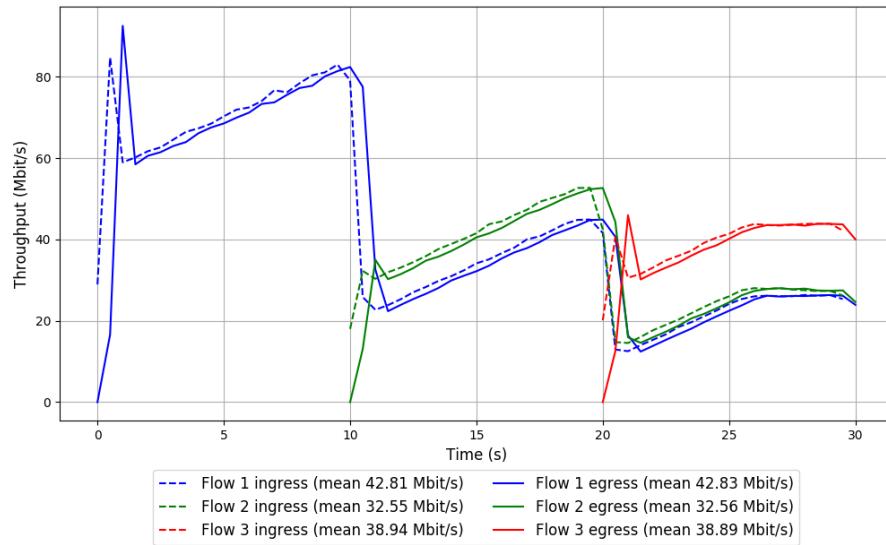


Run 2: Statistics of TCP Vegas

```
Start at: 2019-07-12 16:36:17
End at: 2019-07-12 16:36:47
Local clock offset: -3.04 ms
Remote clock offset: -4.083 ms

# Below is generated by plot.py at 2019-07-12 19:14:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.37 Mbit/s
95th percentile per-packet one-way delay: 41.889 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 42.83 Mbit/s
95th percentile per-packet one-way delay: 43.264 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 41.495 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 40.572 ms
Loss rate: 0.76%
```

Run 2: Report of TCP Vegas — Data Link

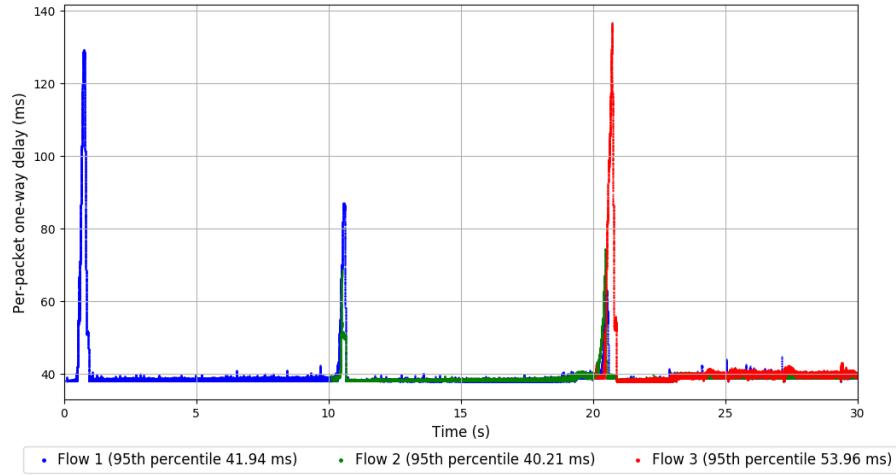
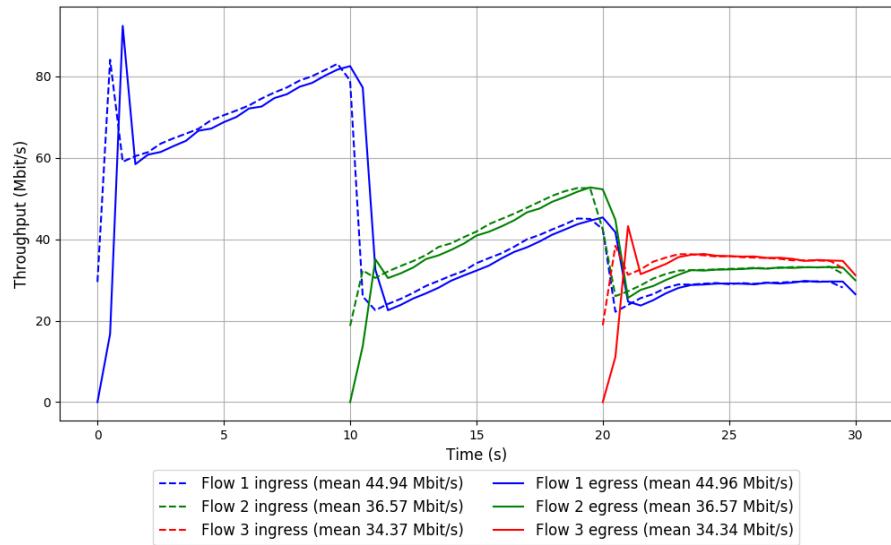


Run 3: Statistics of TCP Vegas

```
Start at: 2019-07-12 17:13:38
End at: 2019-07-12 17:14:08
Local clock offset: 4.988 ms
Remote clock offset: -2.782 ms

# Below is generated by plot.py at 2019-07-12 19:14:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.67 Mbit/s
95th percentile per-packet one-way delay: 41.235 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 44.96 Mbit/s
95th percentile per-packet one-way delay: 41.943 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 36.57 Mbit/s
95th percentile per-packet one-way delay: 40.210 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 53.963 ms
Loss rate: 0.72%
```

Run 3: Report of TCP Vegas — Data Link

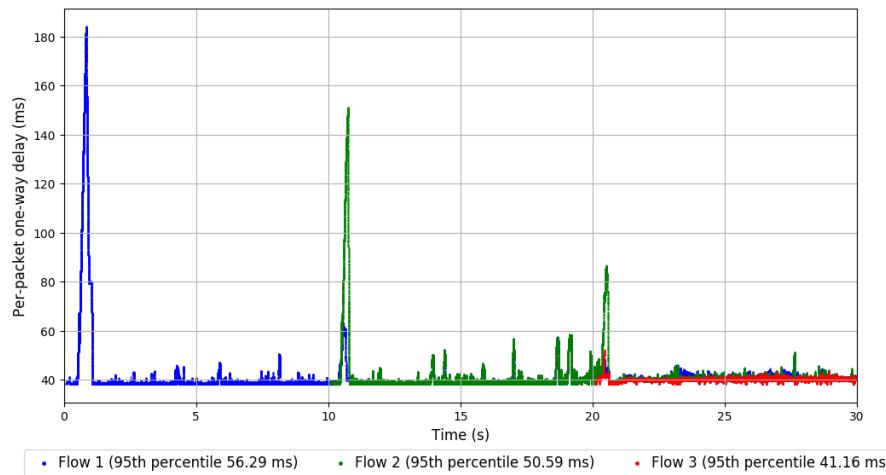
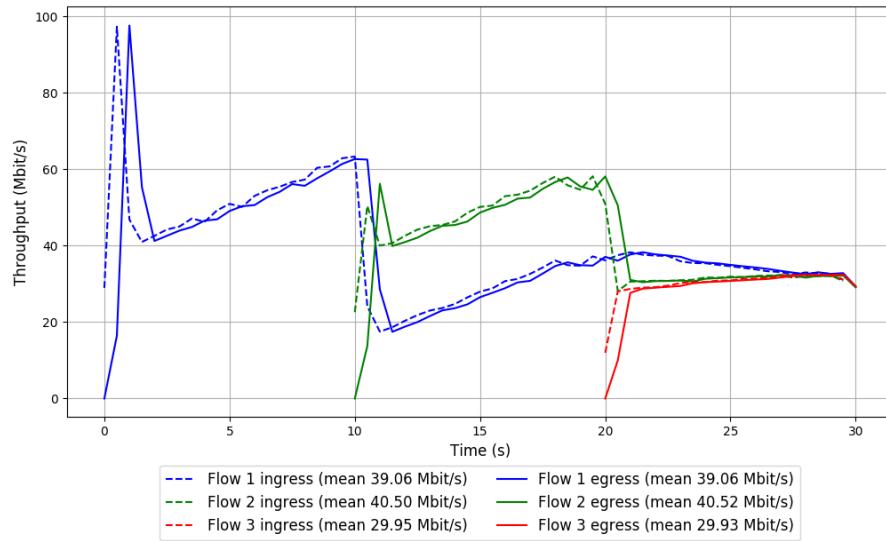


Run 4: Statistics of TCP Vegas

```
Start at: 2019-07-12 17:52:55
End at: 2019-07-12 17:53:25
Local clock offset: 10.79 ms
Remote clock offset: -1.846 ms

# Below is generated by plot.py at 2019-07-12 19:14:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.93 Mbit/s
95th percentile per-packet one-way delay: 49.606 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 39.06 Mbit/s
95th percentile per-packet one-way delay: 56.289 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 50.587 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 29.93 Mbit/s
95th percentile per-packet one-way delay: 41.164 ms
Loss rate: 0.72%
```

Run 4: Report of TCP Vegas — Data Link

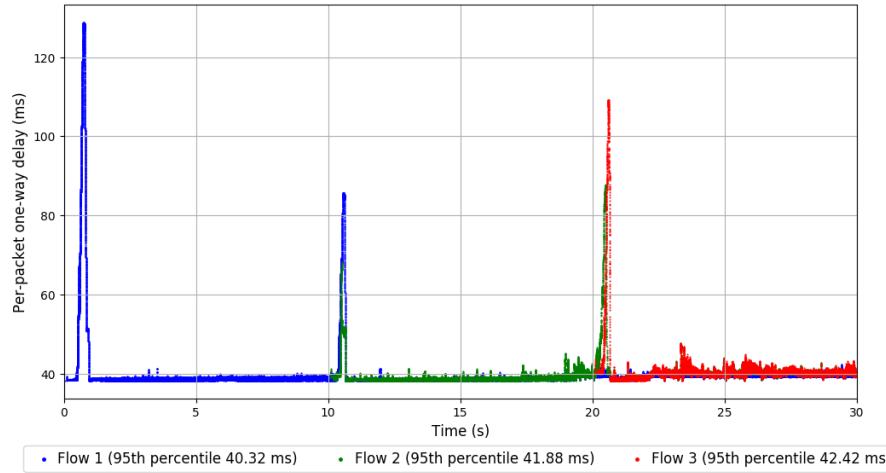
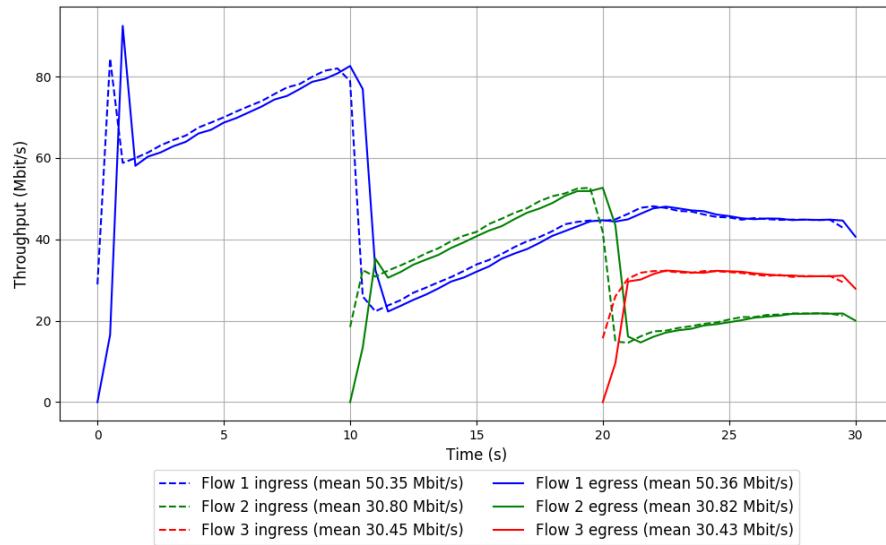


Run 5: Statistics of TCP Vegas

```
Start at: 2019-07-12 18:27:14
End at: 2019-07-12 18:27:44
Local clock offset: 10.103 ms
Remote clock offset: -0.944 ms

# Below is generated by plot.py at 2019-07-12 19:14:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 41.568 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 40.317 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 41.877 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: 42.424 ms
Loss rate: 0.72%
```

Run 5: Report of TCP Vegas — Data Link

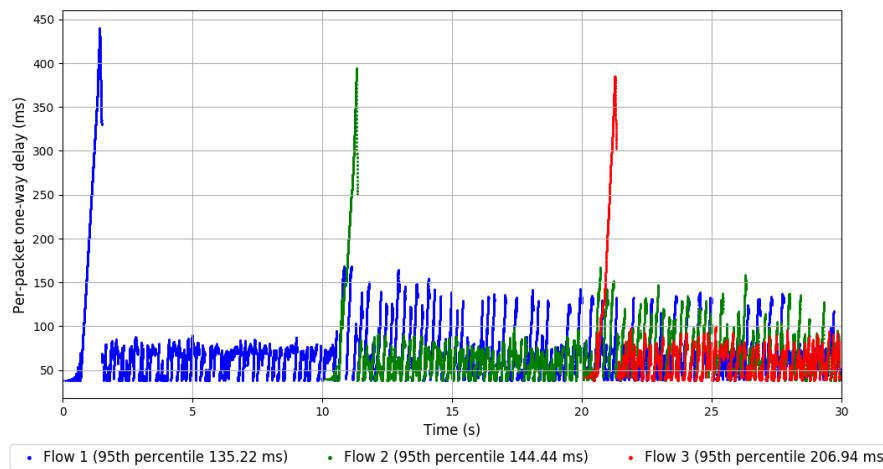
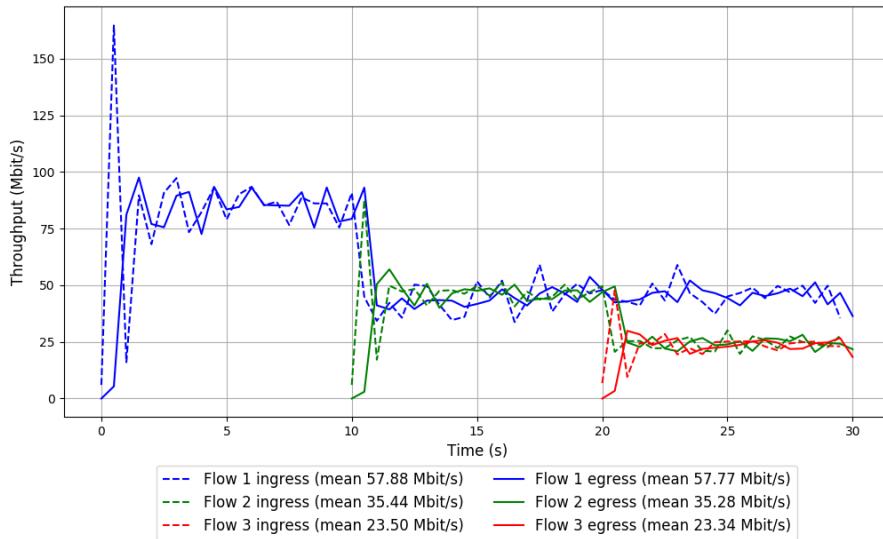


Run 1: Statistics of Verus

```
Start at: 2019-07-12 16:28:01
End at: 2019-07-12 16:28:31
Local clock offset: -2.838 ms
Remote clock offset: -4.561 ms

# Below is generated by plot.py at 2019-07-12 19:14:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.97 Mbit/s
95th percentile per-packet one-way delay: 137.825 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 135.221 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 144.442 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 23.34 Mbit/s
95th percentile per-packet one-way delay: 206.935 ms
Loss rate: 1.36%
```

Run 1: Report of Verus — Data Link

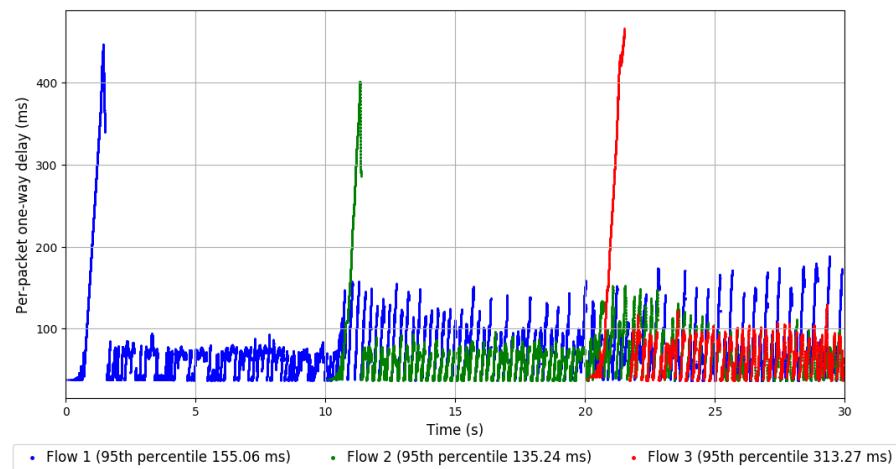
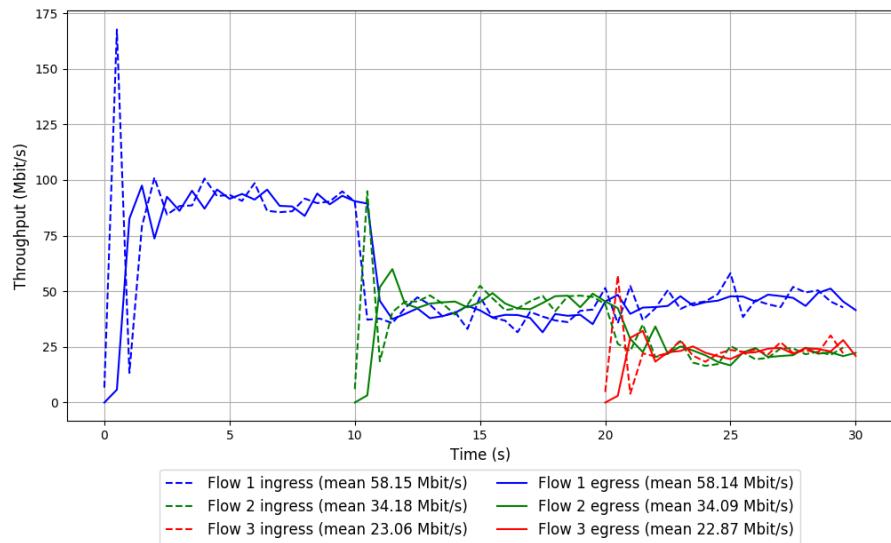


Run 2: Statistics of Verus

```
Start at: 2019-07-12 17:05:26
End at: 2019-07-12 17:05:56
Local clock offset: -1.192 ms
Remote clock offset: -2.925 ms

# Below is generated by plot.py at 2019-07-12 19:15:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.29 Mbit/s
95th percentile per-packet one-way delay: 155.928 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 58.14 Mbit/s
95th percentile per-packet one-way delay: 155.062 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 135.240 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 22.87 Mbit/s
95th percentile per-packet one-way delay: 313.266 ms
Loss rate: 1.51%
```

Run 2: Report of Verus — Data Link

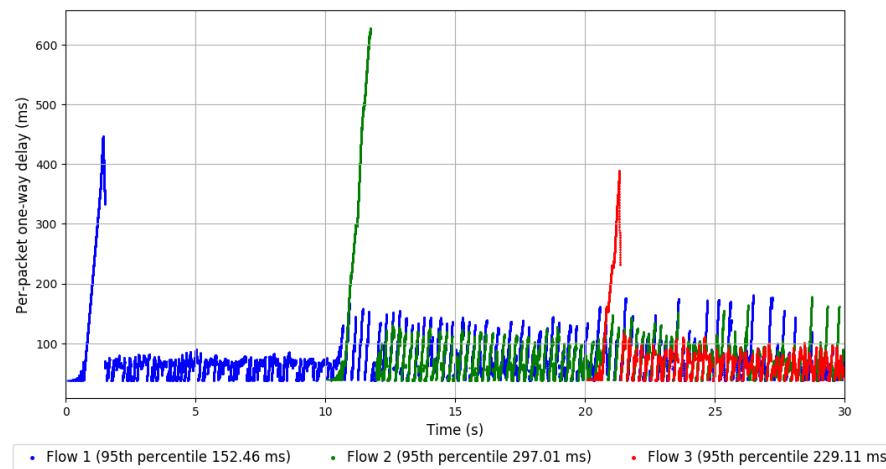
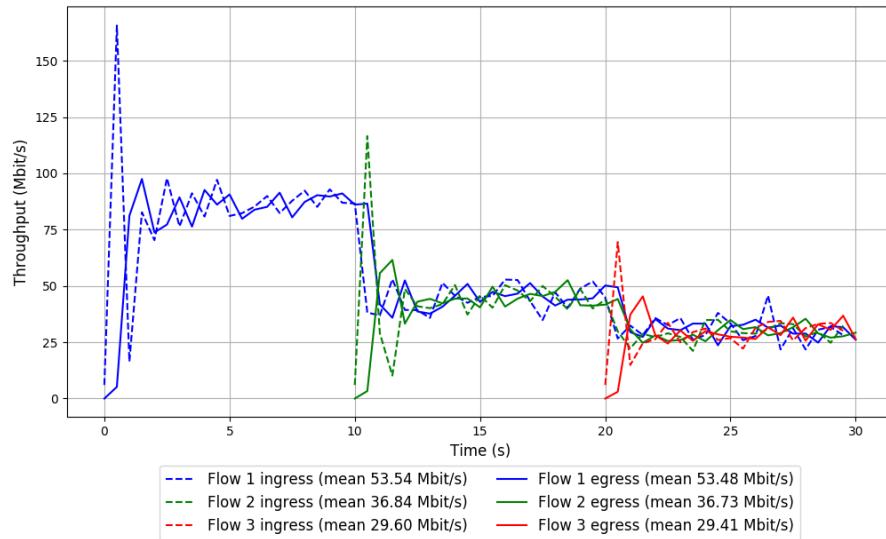


Run 3: Statistics of Verus

```
Start at: 2019-07-12 17:43:28
End at: 2019-07-12 17:43:58
Local clock offset: 9.852 ms
Remote clock offset: -2.041 ms

# Below is generated by plot.py at 2019-07-12 19:15:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 172.899 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 53.48 Mbit/s
95th percentile per-packet one-way delay: 152.461 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 36.73 Mbit/s
95th percentile per-packet one-way delay: 297.014 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 229.111 ms
Loss rate: 1.28%
```

Run 3: Report of Verus — Data Link

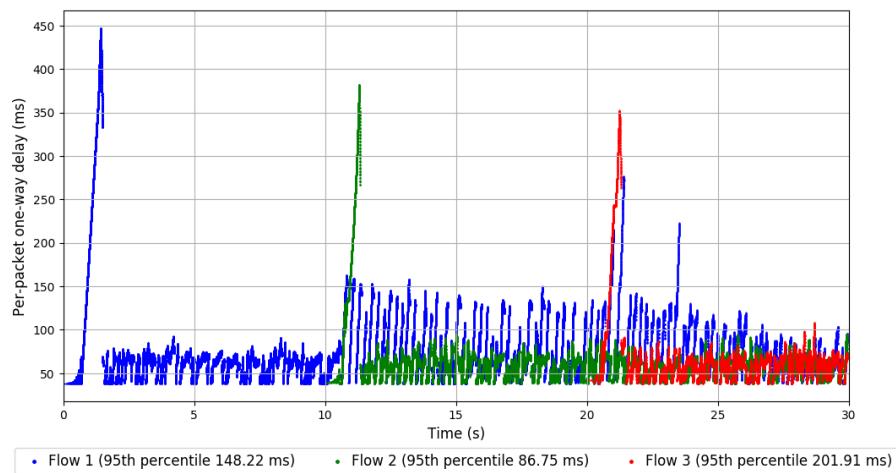
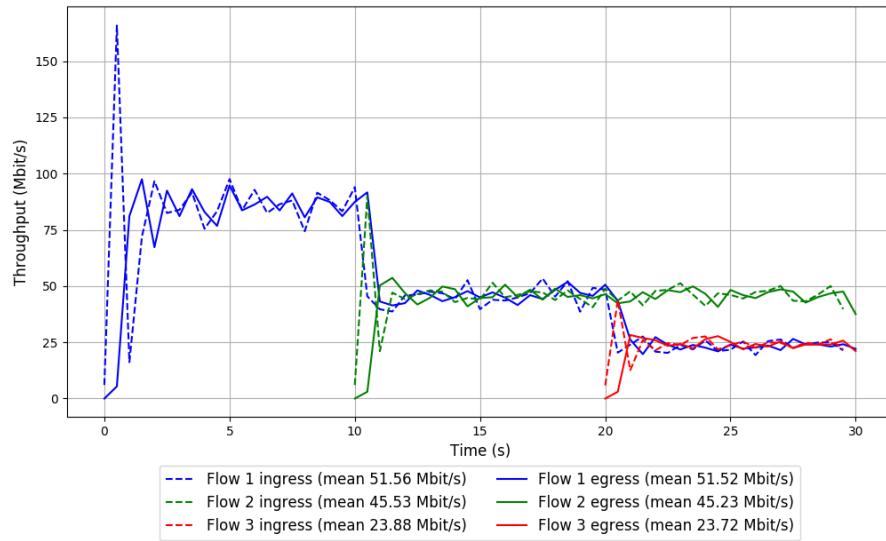


Run 4: Statistics of Verus

```
Start at: 2019-07-12 18:18:54
End at: 2019-07-12 18:19:24
Local clock offset: 9.745 ms
Remote clock offset: -1.121 ms

# Below is generated by plot.py at 2019-07-12 19:15:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 137.645 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 51.52 Mbit/s
95th percentile per-packet one-way delay: 148.222 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 45.23 Mbit/s
95th percentile per-packet one-way delay: 86.748 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 23.72 Mbit/s
95th percentile per-packet one-way delay: 201.912 ms
Loss rate: 1.24%
```

Run 4: Report of Verus — Data Link

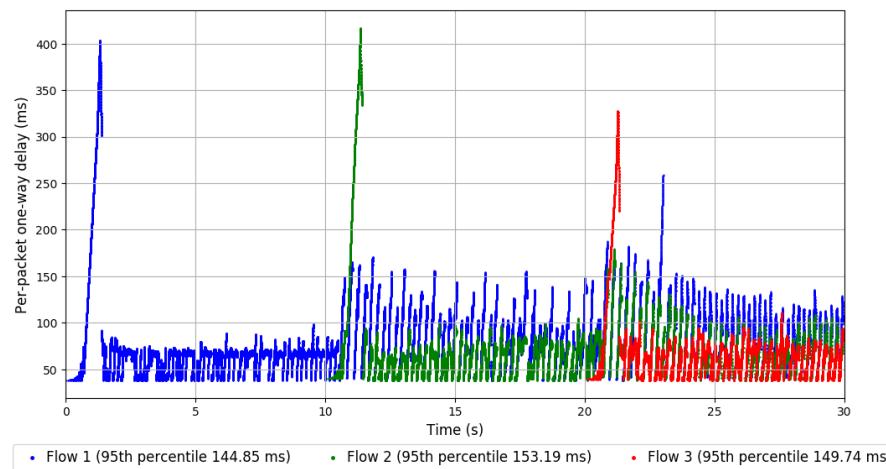
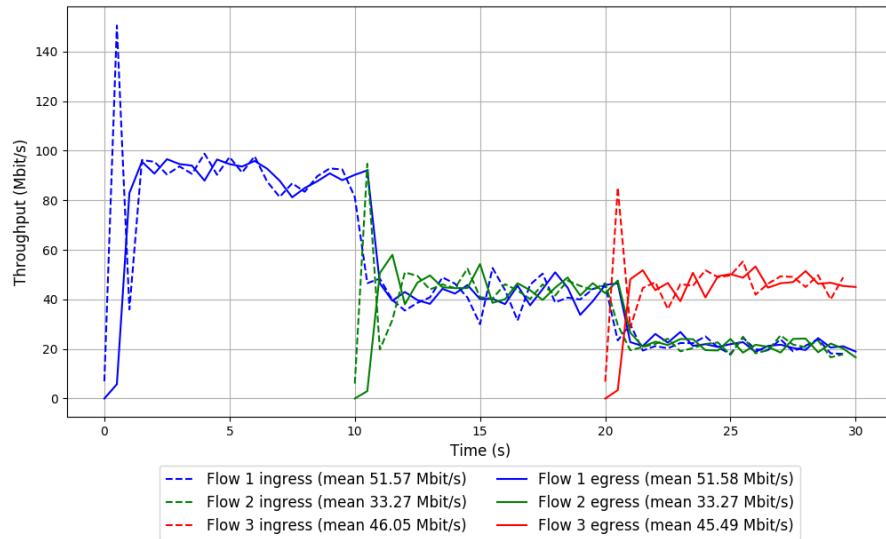


Run 5: Statistics of Verus

```
Start at: 2019-07-12 18:53:07
End at: 2019-07-12 18:53:37
Local clock offset: 8.72 ms
Remote clock offset: -0.881 ms

# Below is generated by plot.py at 2019-07-12 19:15:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.74 Mbit/s
95th percentile per-packet one-way delay: 147.853 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 51.58 Mbit/s
95th percentile per-packet one-way delay: 144.846 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 33.27 Mbit/s
95th percentile per-packet one-way delay: 153.185 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 45.49 Mbit/s
95th percentile per-packet one-way delay: 149.736 ms
Loss rate: 1.82%
```

Run 5: Report of Verus — Data Link

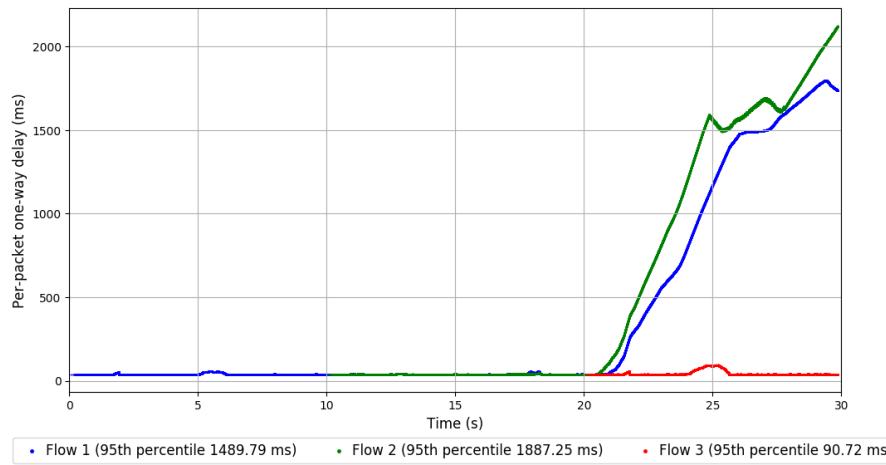
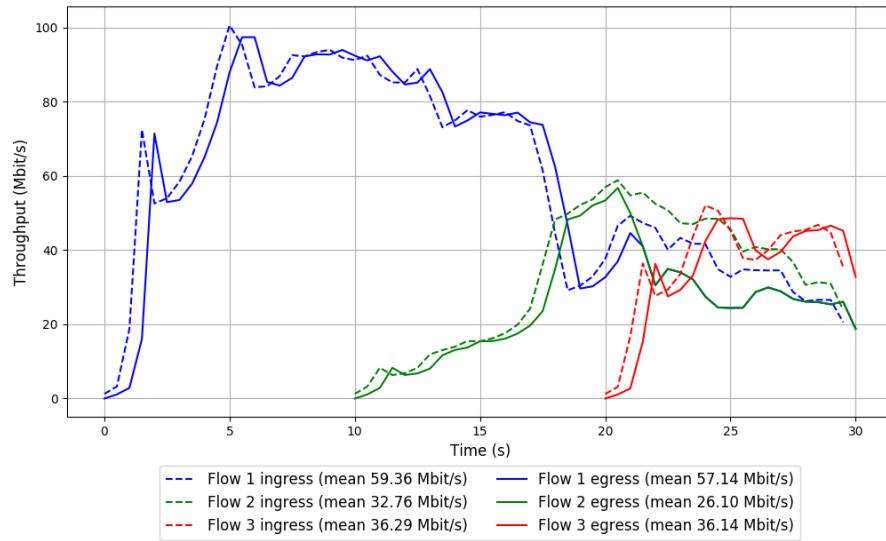


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-07-12 16:08:19
End at: 2019-07-12 16:08:49
Local clock offset: -1.486 ms
Remote clock offset: -5.691 ms

# Below is generated by plot.py at 2019-07-12 19:15:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 1625.261 ms
Loss rate: 7.46%
-- Flow 1:
Average throughput: 57.14 Mbit/s
95th percentile per-packet one-way delay: 1489.793 ms
Loss rate: 3.94%
-- Flow 2:
Average throughput: 26.10 Mbit/s
95th percentile per-packet one-way delay: 1887.248 ms
Loss rate: 20.59%
-- Flow 3:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 90.723 ms
Loss rate: 1.04%
```

Run 1: Report of PCC-Vivace — Data Link

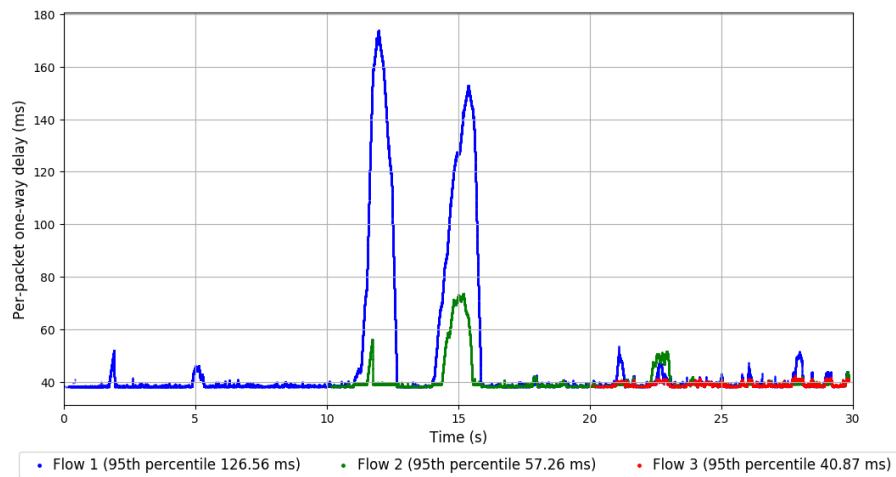
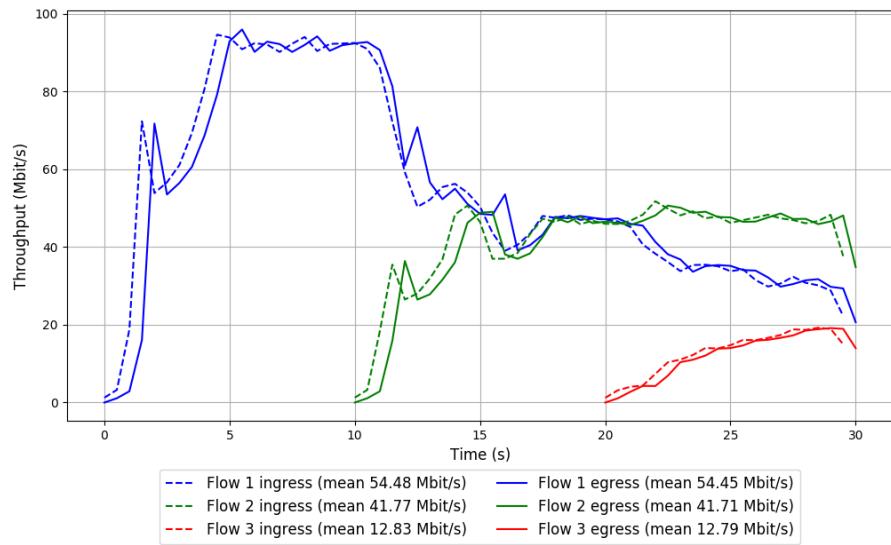


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-07-12 16:41:57
End at: 2019-07-12 16:42:27
Local clock offset: -3.188 ms
Remote clock offset: -3.834 ms

# Below is generated by plot.py at 2019-07-12 19:15:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 83.659 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 54.45 Mbit/s
95th percentile per-packet one-way delay: 126.559 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 41.71 Mbit/s
95th percentile per-packet one-way delay: 57.263 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 12.79 Mbit/s
95th percentile per-packet one-way delay: 40.869 ms
Loss rate: 1.00%
```

Run 2: Report of PCC-Vivace — Data Link

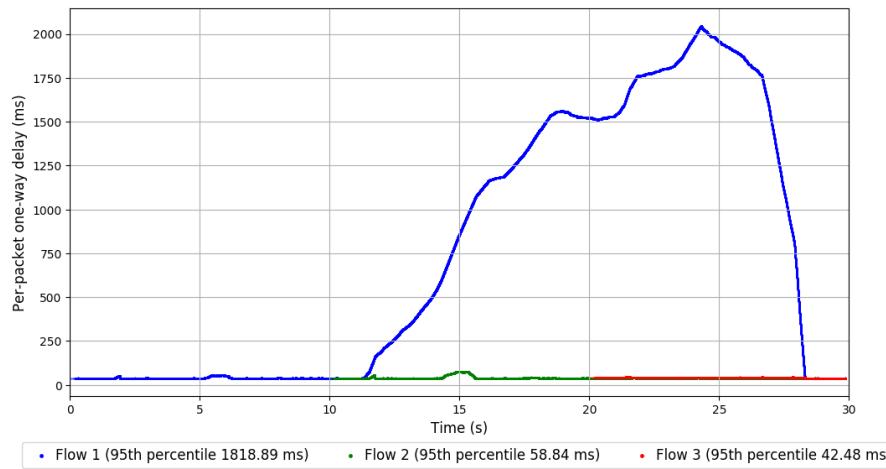
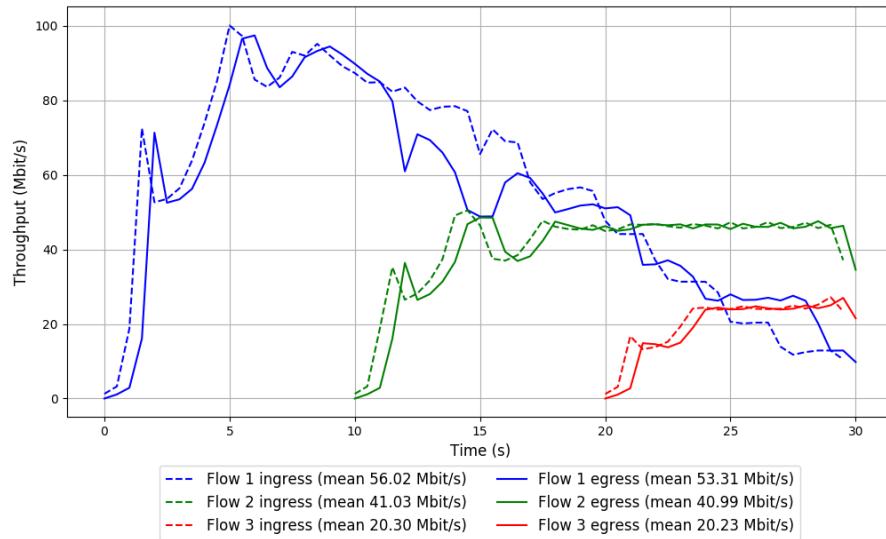


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-07-12 17:18:55
End at: 2019-07-12 17:19:25
Local clock offset: 7.112 ms
Remote clock offset: -2.531 ms

# Below is generated by plot.py at 2019-07-12 19:15:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 1767.362 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 53.31 Mbit/s
95th percentile per-packet one-way delay: 1818.889 ms
Loss rate: 5.03%
-- Flow 2:
Average throughput: 40.99 Mbit/s
95th percentile per-packet one-way delay: 58.839 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 20.23 Mbit/s
95th percentile per-packet one-way delay: 42.484 ms
Loss rate: 1.02%
```

Run 3: Report of PCC-Vivace — Data Link

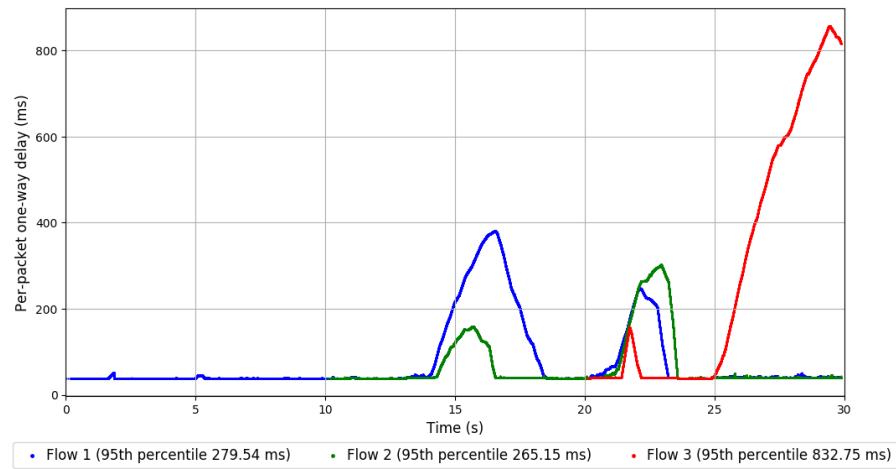
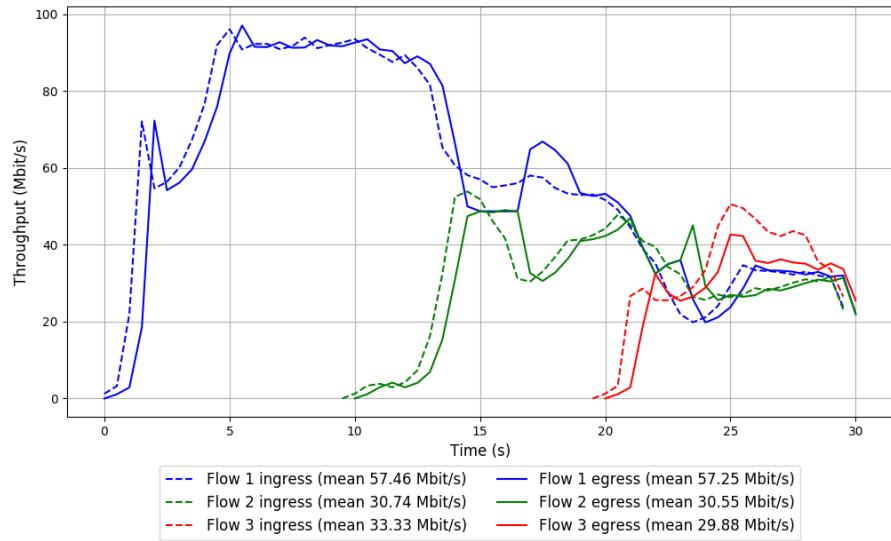


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-07-12 17:58:20
End at: 2019-07-12 17:58:50
Local clock offset: 11.471 ms
Remote clock offset: -1.64 ms

# Below is generated by plot.py at 2019-07-12 19:15:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 375.185 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 57.25 Mbit/s
95th percentile per-packet one-way delay: 279.540 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 265.150 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 832.750 ms
Loss rate: 10.92%
```

Run 4: Report of PCC-Vivace — Data Link

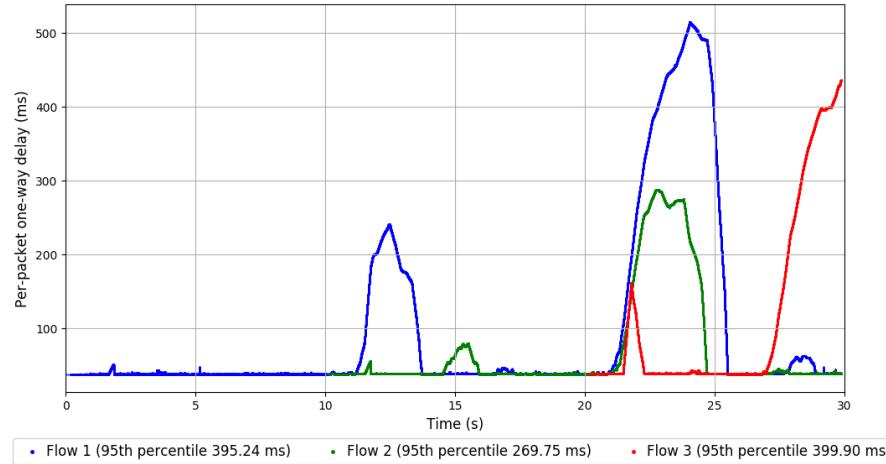
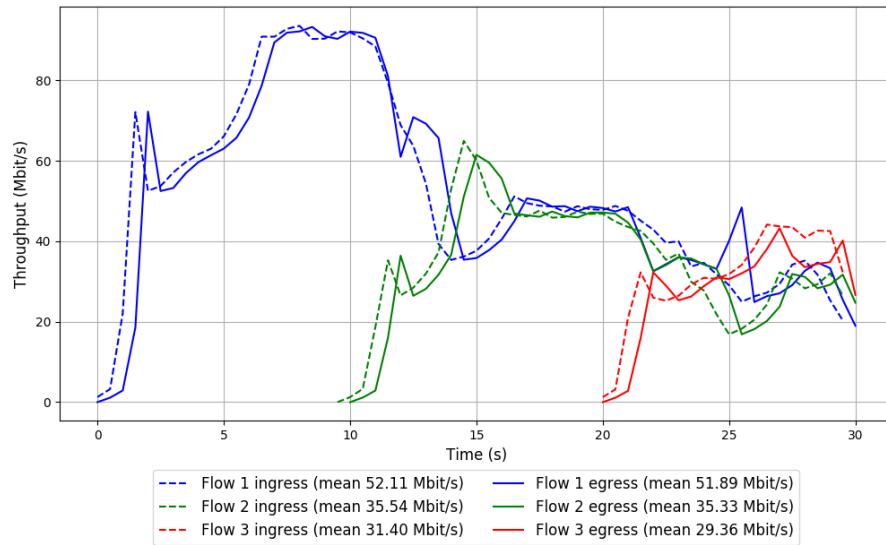


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-07-12 18:32:39
End at: 2019-07-12 18:33:09
Local clock offset: 9.467 ms
Remote clock offset: -0.958 ms

# Below is generated by plot.py at 2019-07-12 19:15:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.04 Mbit/s
95th percentile per-packet one-way delay: 369.592 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 51.89 Mbit/s
95th percentile per-packet one-way delay: 395.243 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 35.33 Mbit/s
95th percentile per-packet one-way delay: 269.750 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 29.36 Mbit/s
95th percentile per-packet one-way delay: 399.904 ms
Loss rate: 7.09%
```

Run 5: Report of PCC-Vivace — Data Link

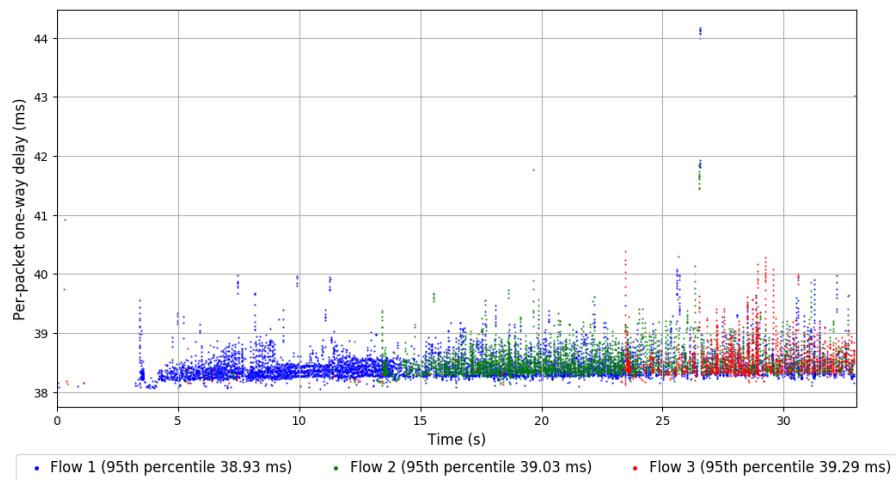
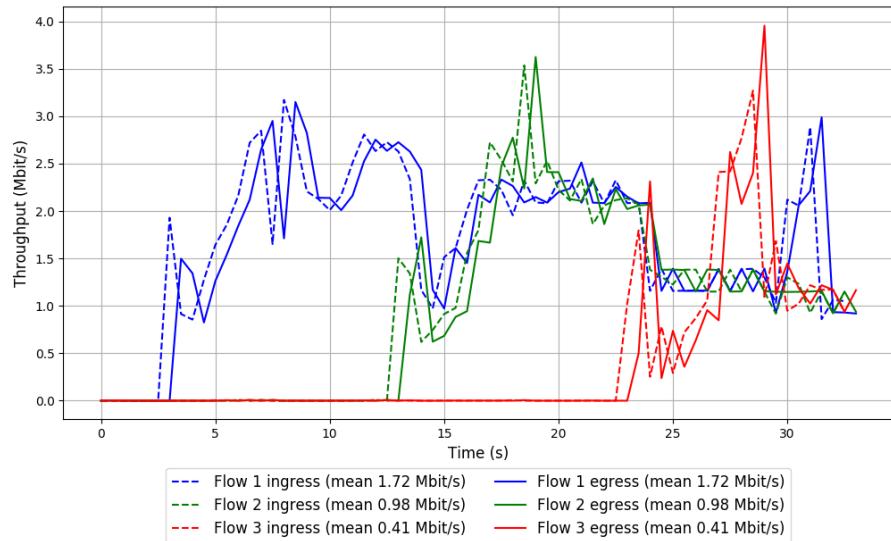


Run 1: Statistics of WebRTC media

```
Start at: 2019-07-12 16:20:59
End at: 2019-07-12 16:21:29
Local clock offset: -2.584 ms
Remote clock offset: -4.945 ms

# Below is generated by plot.py at 2019-07-12 19:15:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 39.024 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 38.926 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 39.035 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 39.288 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

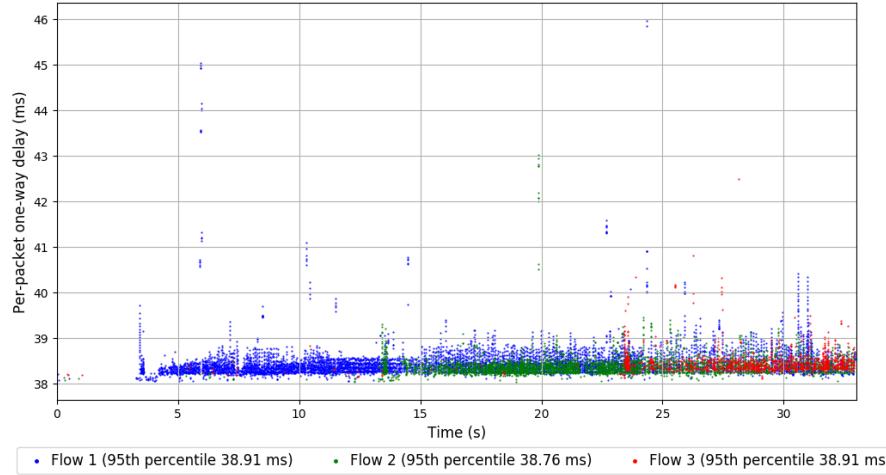
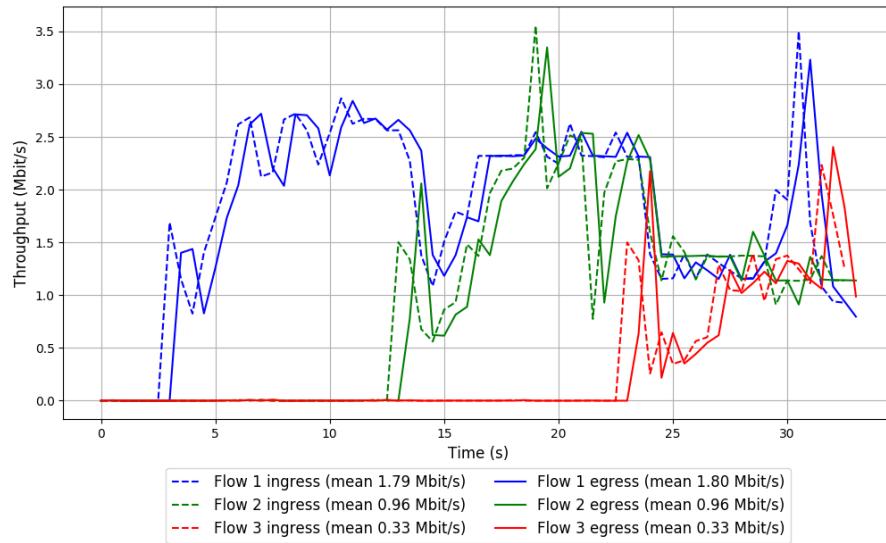


Run 2: Statistics of WebRTC media

```
Start at: 2019-07-12 16:57:48
End at: 2019-07-12 16:58:18
Local clock offset: -3.441 ms
Remote clock offset: -3.213 ms

# Below is generated by plot.py at 2019-07-12 19:15:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 38.859 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 38.912 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 38.757 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 38.908 ms
Loss rate: 1.24%
```

Run 2: Report of WebRTC media — Data Link

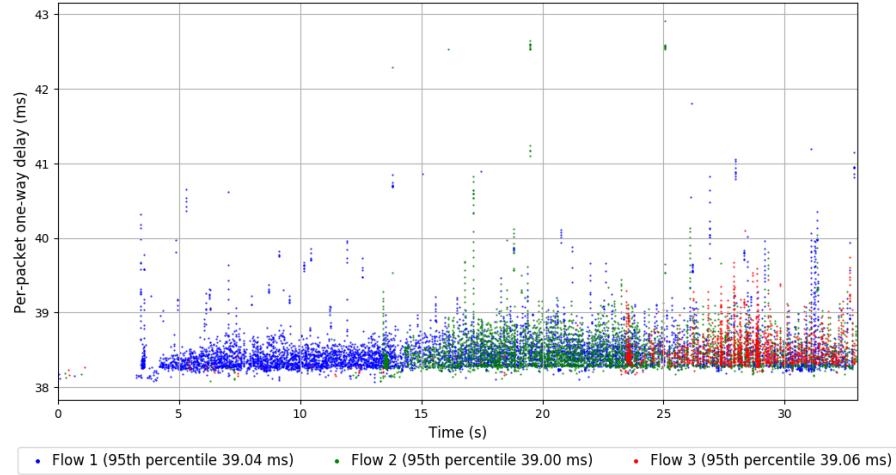
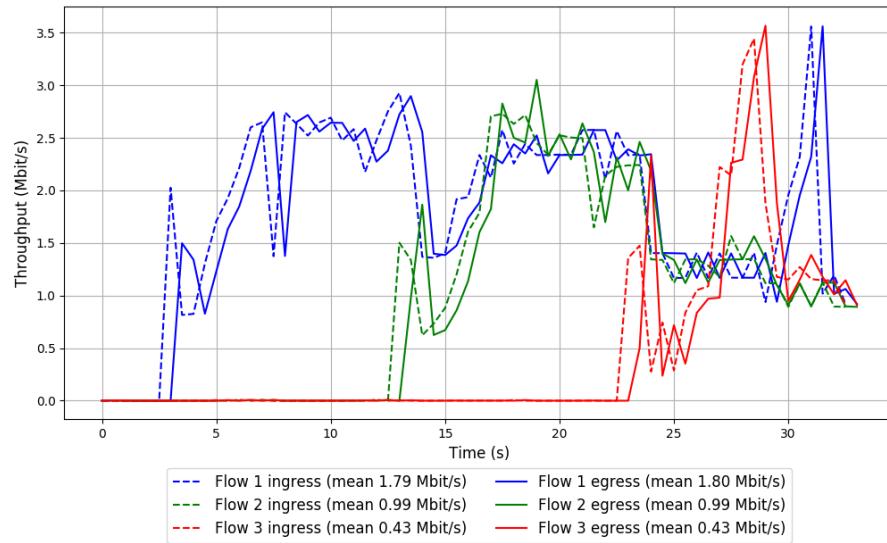


Run 3: Statistics of WebRTC media

```
Start at: 2019-07-12 17:32:48
End at: 2019-07-12 17:33:18
Local clock offset: 9.494 ms
Remote clock offset: -2.191 ms

# Below is generated by plot.py at 2019-07-12 19:15:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 39.034 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 39.037 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 39.003 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 39.057 ms
Loss rate: 0.82%
```

Run 3: Report of WebRTC media — Data Link

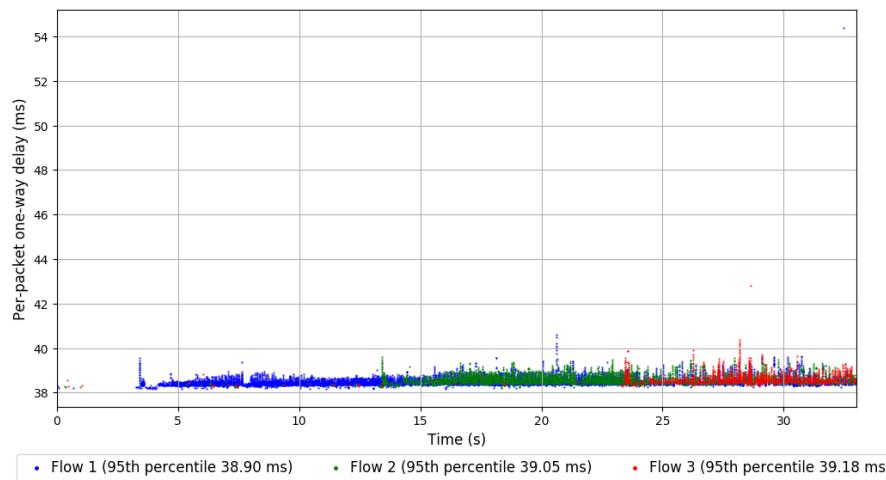
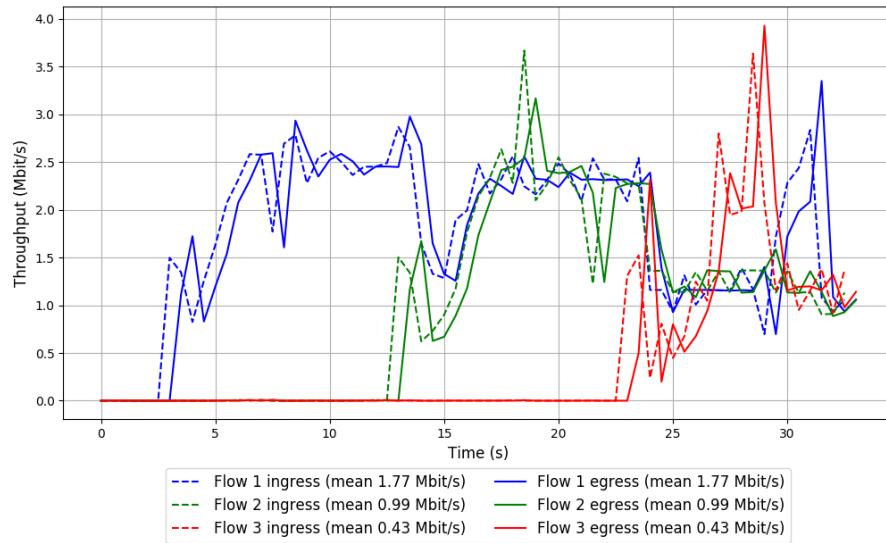


Run 4: Statistics of WebRTC media

```
Start at: 2019-07-12 18:11:37
End at: 2019-07-12 18:12:07
Local clock offset: 9.647 ms
Remote clock offset: -1.409 ms

# Below is generated by plot.py at 2019-07-12 19:15:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 38.991 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 38.898 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 39.052 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 39.178 ms
Loss rate: 0.81%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-07-12 18:45:47
End at: 2019-07-12 18:46:17
Local clock offset: 8.686 ms
Remote clock offset: -0.958 ms

# Below is generated by plot.py at 2019-07-12 19:15:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 38.990 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 38.977 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 38.927 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 39.226 ms
Loss rate: 0.77%
```

Run 5: Report of WebRTC media — Data Link

