

Pantheon Report

Generated at 2019-11-24 18:43:03 (UTC).
Data path: India on `em1` (*remote*) → AWS India 1 on `ens5` (*local*).
Repeated the test of 24 congestion control schemes 5 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

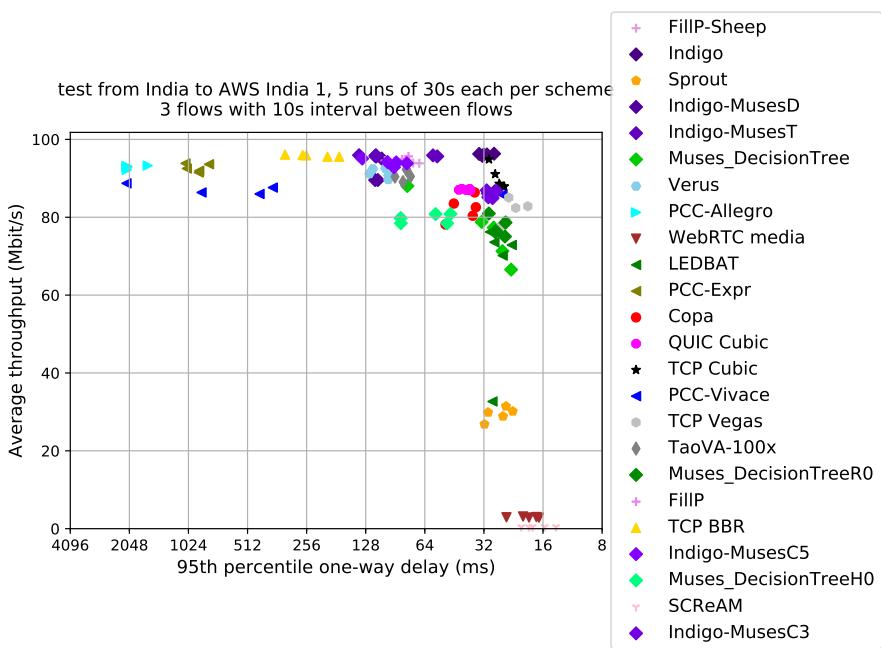
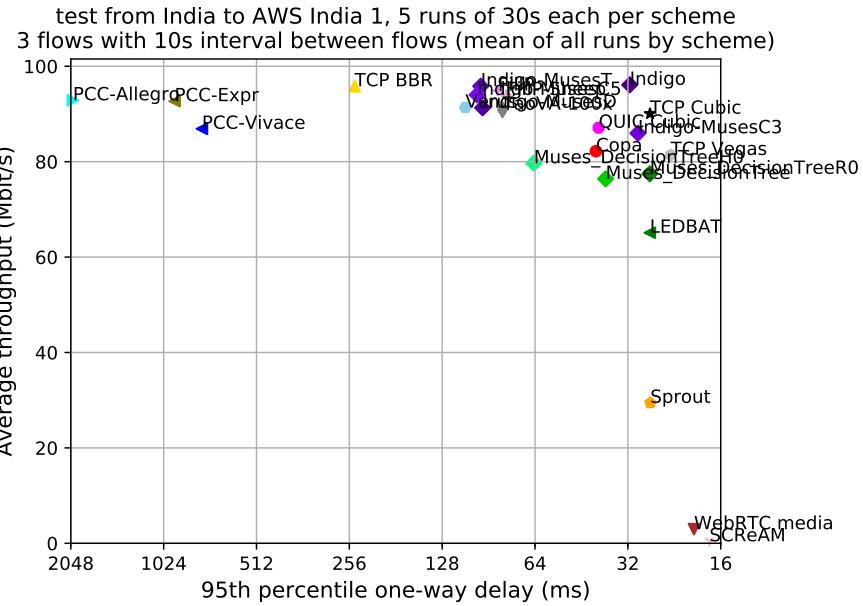
System info:

```
Linux 4.15.0-1051-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec
third_party/fillp @ d6da1459332fce6963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
```

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



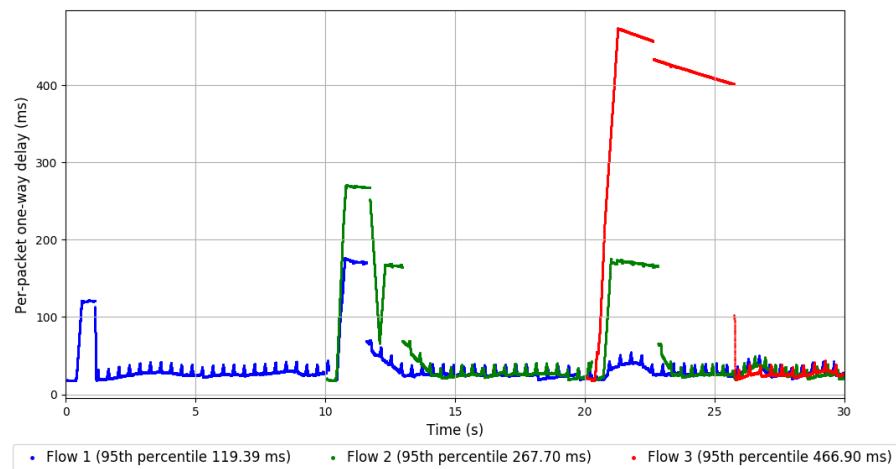
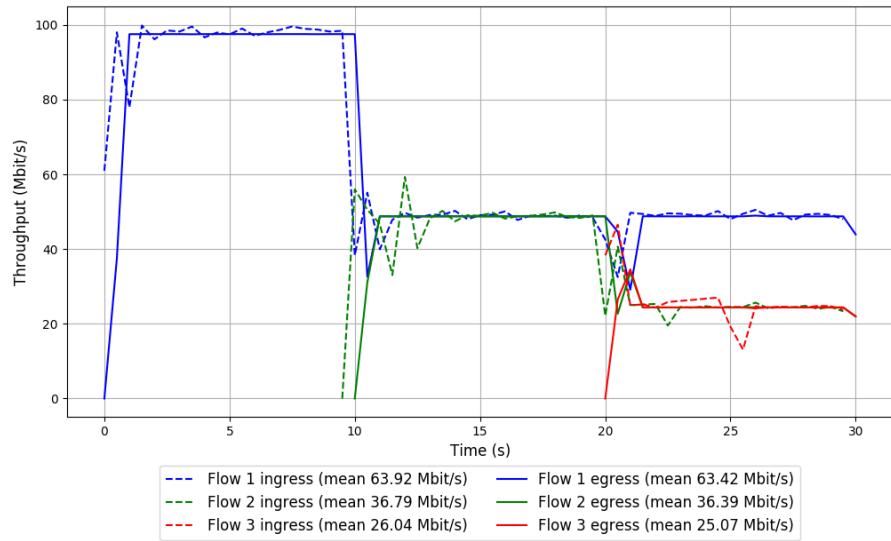
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	58.76	40.79	29.85	128.63	224.89	462.92	1.39	1.83	3.56
Copa	5	50.40	37.82	19.98	45.74	30.95	41.37	0.22	0.24	0.69
TCP Cubic	5	52.33	41.60	30.27	27.16	29.09	27.22	0.10	0.28	0.55
FillP	5	58.15	40.39	29.81	72.61	88.33	77.56	0.50	3.14	3.26
FillP-Sheep	5	56.51	41.12	30.50	76.99	76.09	94.04	0.20	0.38	1.23
Indigo	5	59.27	42.19	26.95	33.42	28.36	28.10	0.21	0.24	0.64
Indigo-MusesC3	5	58.58	31.35	28.16	30.71	27.91	29.52	0.09	0.11	0.86
Indigo-MusesC5	5	56.92	43.91	35.12	94.95	93.76	91.88	1.16	2.32	4.41
Indigo-MusesD	5	62.76	35.61	22.01	79.33	51.49	40.21	2.37	0.60	1.16
Indigo-MusesT	5	61.27	43.44	26.83	86.51	104.74	85.76	0.68	1.62	1.98
LEDBAT	5	33.52	34.30	28.78	24.84	28.41	25.93	0.11	0.29	0.73
Muses_DecisionTree	5	53.17	29.05	12.73	36.43	27.04	42.18	0.41	0.11	0.52
Muses_DecisionTreeH0	5	50.68	31.53	25.51	73.79	51.96	53.67	0.24	0.23	0.93
Muses_DecisionTreeR0	5	54.11	26.33	18.65	26.56	24.61	37.97	0.04	0.07	0.35
PCC-Allegro	5	57.73	37.34	31.46	2045.89	1822.67	609.67	13.74	14.21	7.06
PCC-Expr	5	57.67	41.47	22.61	753.89	983.80	589.74	39.84	33.42	17.41
QUIC Cubic	5	50.67	40.58	28.69	39.14	35.14	69.98	0.14	0.28	0.70
SCReAM	5	0.22	0.21	0.22	16.38	17.33	16.52	0.13	0.32	0.57
Sprout	5	14.99	14.86	13.88	25.16	26.34	29.20	0.21	0.31	0.71
TaoVA-100x	5	51.05	30.52	64.40	72.00	113.78	74.14	0.10	0.18	0.91
TCP Vegas	5	45.17	36.55	35.92	25.73	22.20	22.56	0.14	0.22	0.54
Verus	5	54.91	40.72	28.21	112.84	82.54	130.83	0.27	0.46	1.44
PCC-Vivace	5	54.41	34.67	28.63	719.41	395.43	47.15	1.91	1.31	1.03
WebRTC media	5	1.63	0.92	0.42	19.35	19.29	18.39	0.05	0.30	0.40

Run 1: Statistics of TCP BBR

```
Start at: 2019-11-24 16:13:03
End at: 2019-11-24 16:13:33
Local clock offset: 2.829 ms
Remote clock offset: -3.297 ms

# Below is generated by plot.py at 2019-11-24 18:28:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 268.350 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 63.42 Mbit/s
95th percentile per-packet one-way delay: 119.386 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 36.39 Mbit/s
95th percentile per-packet one-way delay: 267.700 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 25.07 Mbit/s
95th percentile per-packet one-way delay: 466.900 ms
Loss rate: 4.23%
```

Run 1: Report of TCP BBR — Data Link

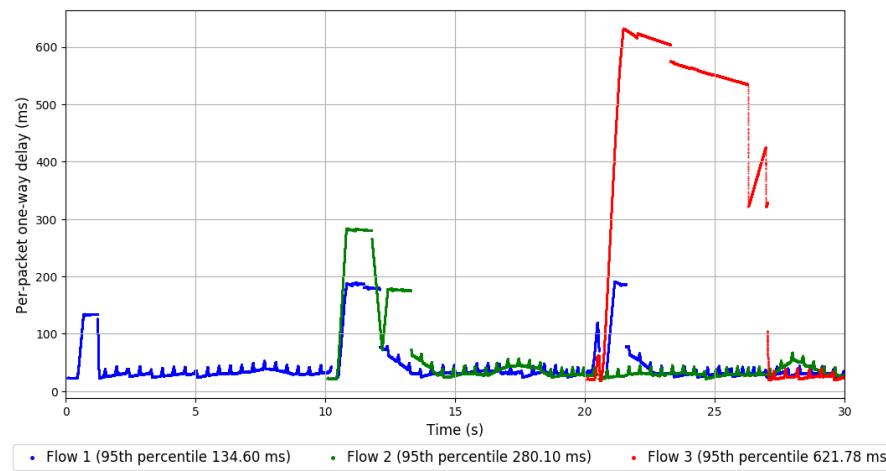
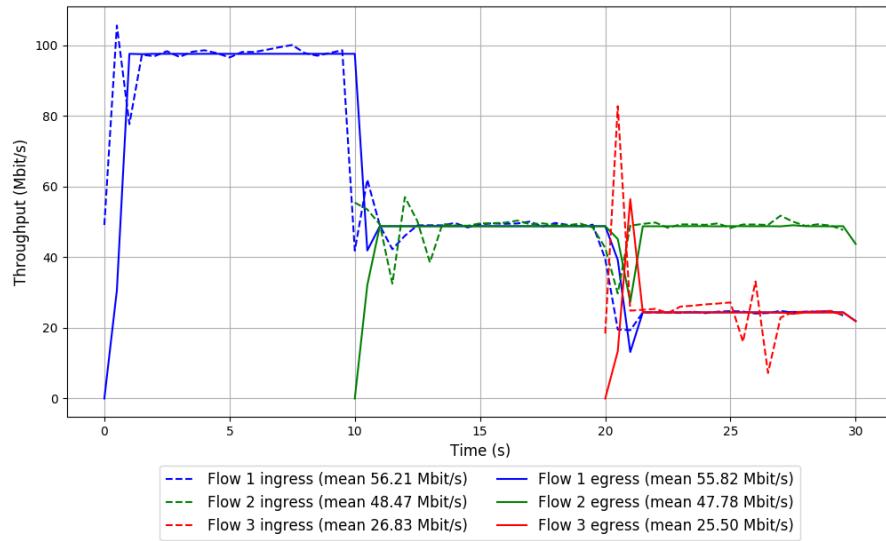


Run 2: Statistics of TCP BBR

```
Start at: 2019-11-24 16:43:38
End at: 2019-11-24 16:44:08
Local clock offset: 5.637 ms
Remote clock offset: -3.904 ms

# Below is generated by plot.py at 2019-11-24 18:28:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 329.693 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 55.82 Mbit/s
95th percentile per-packet one-way delay: 134.605 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 47.78 Mbit/s
95th percentile per-packet one-way delay: 280.096 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 25.50 Mbit/s
95th percentile per-packet one-way delay: 621.776 ms
Loss rate: 5.44%
```

Run 2: Report of TCP BBR — Data Link

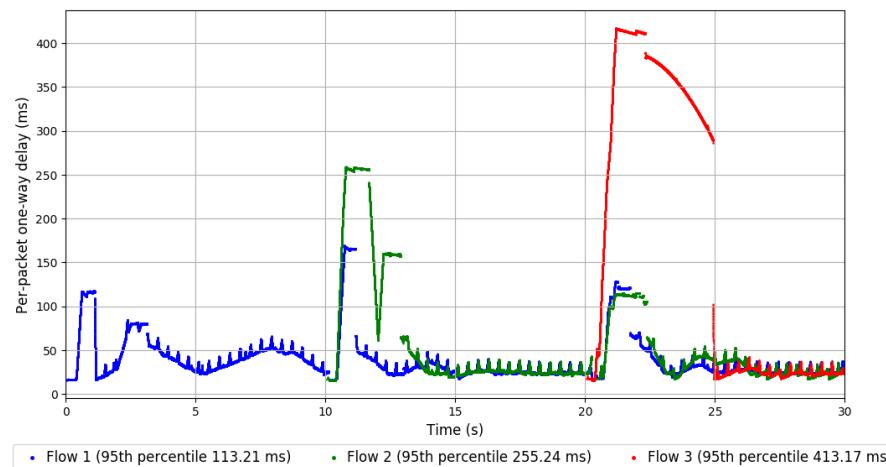
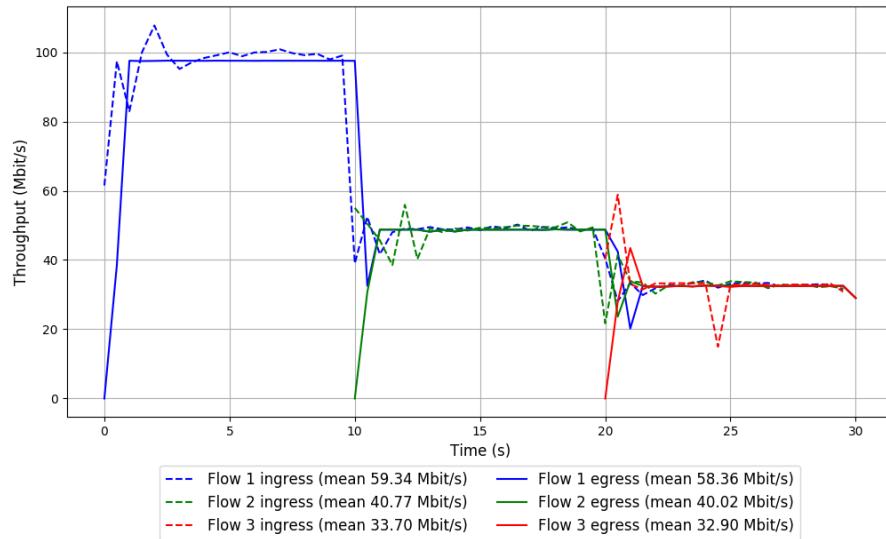


Run 3: Statistics of TCP BBR

```
Start at: 2019-11-24 17:14:49
End at: 2019-11-24 17:15:19
Local clock offset: 0.201 ms
Remote clock offset: -5.584 ms

# Below is generated by plot.py at 2019-11-24 18:28:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 257.272 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 58.36 Mbit/s
95th percentile per-packet one-way delay: 113.208 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 40.02 Mbit/s
95th percentile per-packet one-way delay: 255.239 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 32.90 Mbit/s
95th percentile per-packet one-way delay: 413.172 ms
Loss rate: 2.84%
```

Run 3: Report of TCP BBR — Data Link

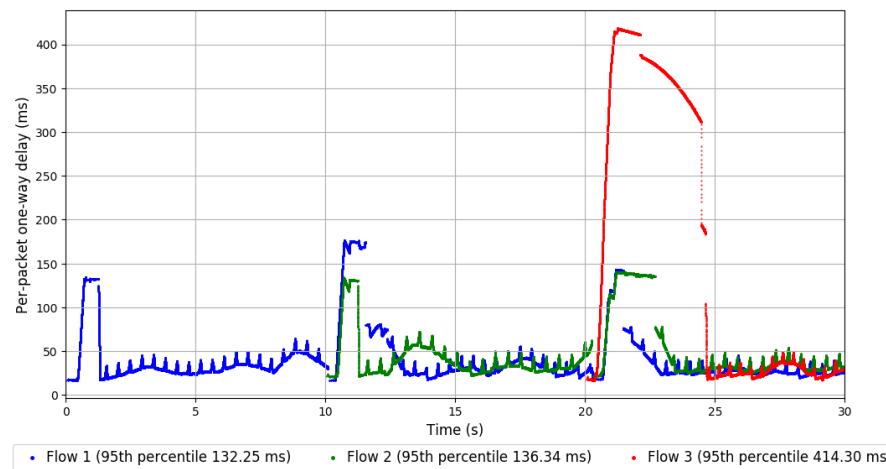
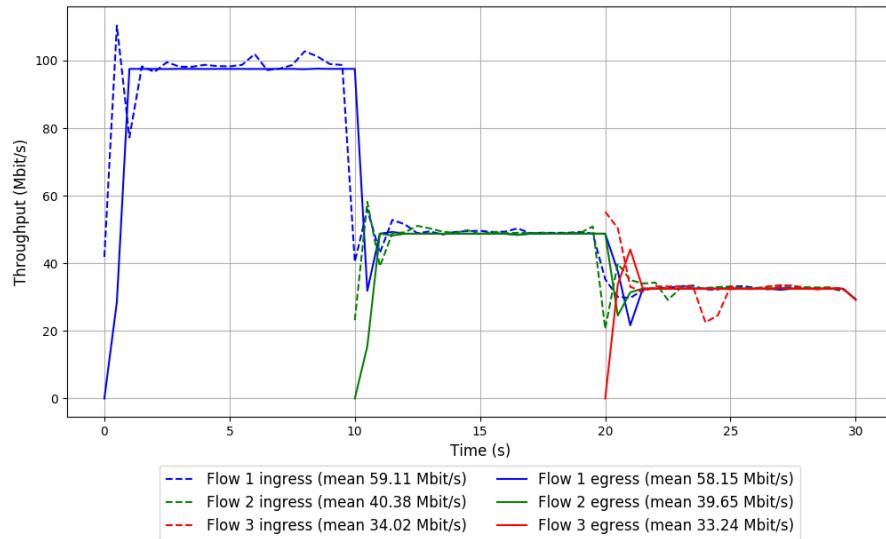


Run 4: Statistics of TCP BBR

```
Start at: 2019-11-24 17:46:28
End at: 2019-11-24 17:46:58
Local clock offset: 3.363 ms
Remote clock offset: -4.311 ms

# Below is generated by plot.py at 2019-11-24 18:28:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 174.650 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 58.15 Mbit/s
95th percentile per-packet one-way delay: 132.253 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 39.65 Mbit/s
95th percentile per-packet one-way delay: 136.344 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 33.24 Mbit/s
95th percentile per-packet one-way delay: 414.303 ms
Loss rate: 2.79%
```

Run 4: Report of TCP BBR — Data Link

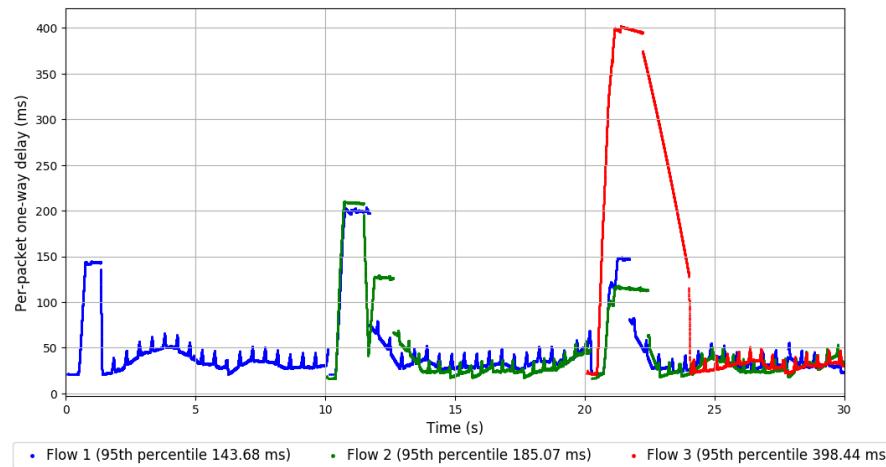
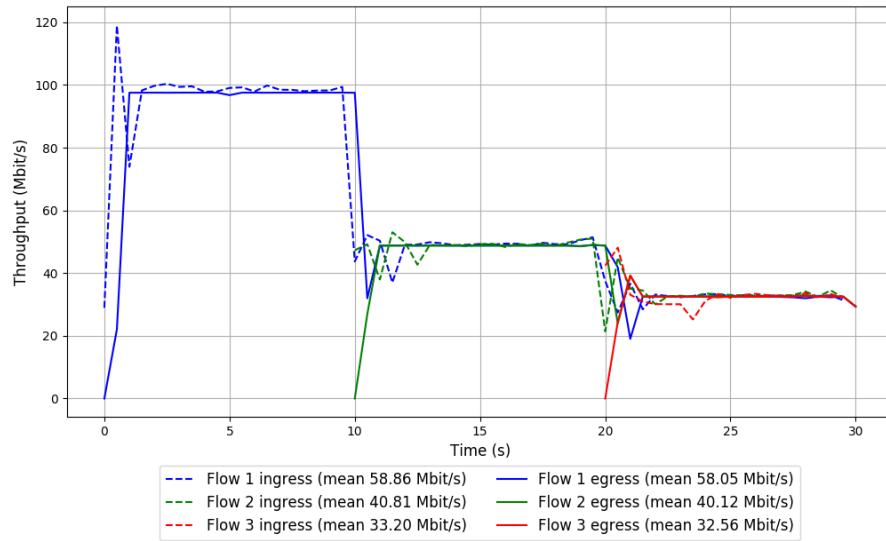


Run 5: Statistics of TCP BBR

```
Start at: 2019-11-24 18:19:31
End at: 2019-11-24 18:20:01
Local clock offset: 1.428 ms
Remote clock offset: -6.192 ms

# Below is generated by plot.py at 2019-11-24 18:28:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 200.453 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 58.05 Mbit/s
95th percentile per-packet one-way delay: 143.683 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 185.068 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 398.445 ms
Loss rate: 2.50%
```

Run 5: Report of TCP BBR — Data Link

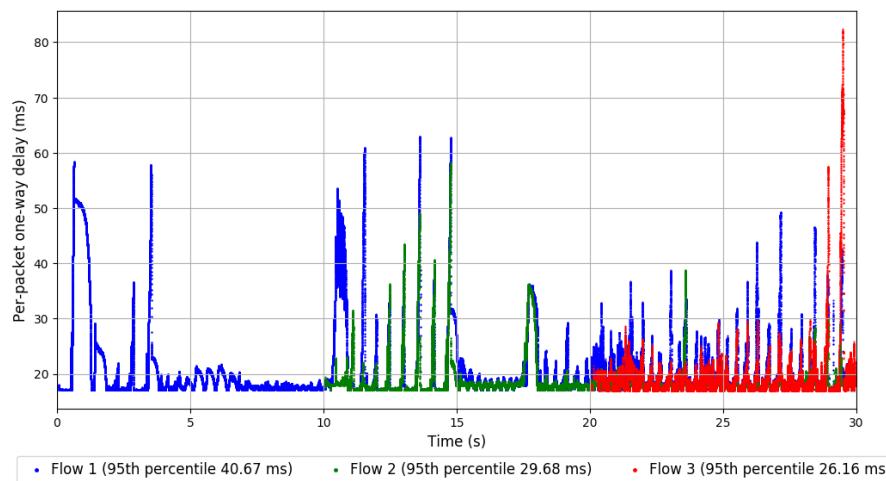
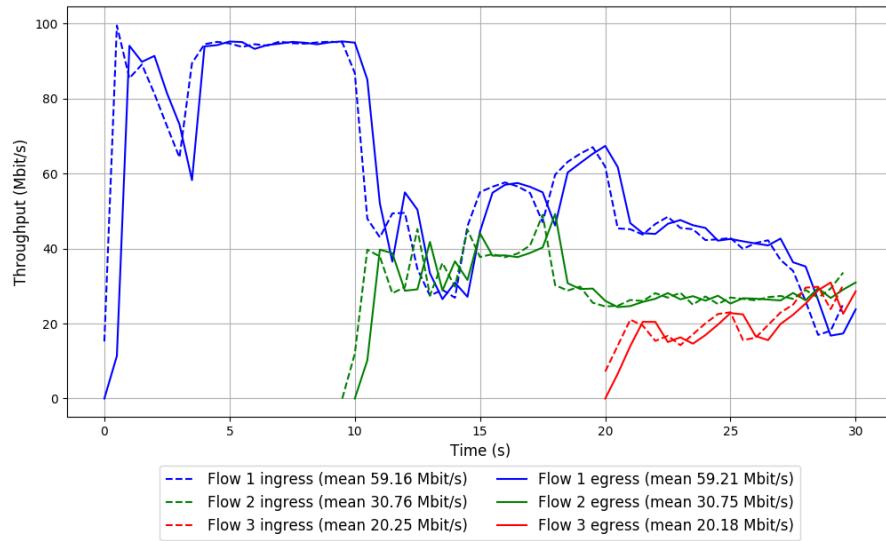


Run 1: Statistics of Copa

```
Start at: 2019-11-24 15:59:19
End at: 2019-11-24 15:59:49
Local clock offset: 3.56 ms
Remote clock offset: -1.072 ms

# Below is generated by plot.py at 2019-11-24 18:28:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 35.651 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 40.674 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 29.684 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 20.18 Mbit/s
95th percentile per-packet one-way delay: 26.155 ms
Loss rate: 0.85%
```

Run 1: Report of Copa — Data Link

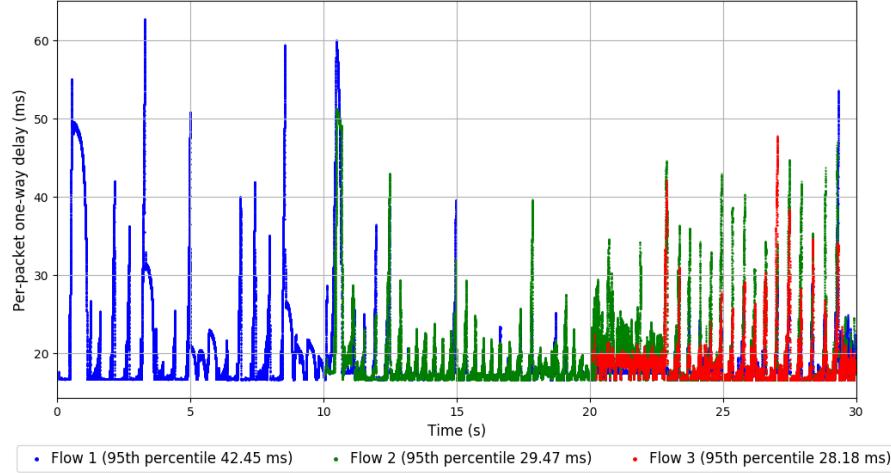
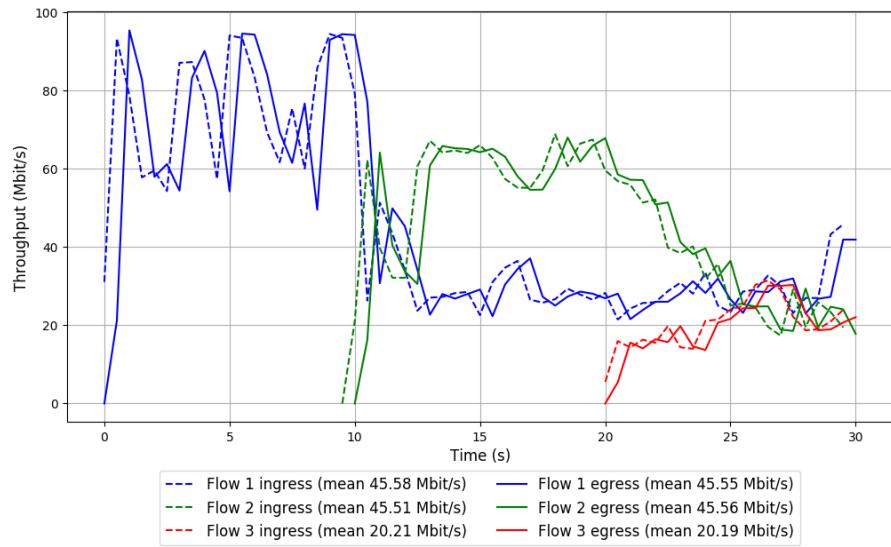


Run 2: Statistics of Copa

```
Start at: 2019-11-24 16:29:37
End at: 2019-11-24 16:30:07
Local clock offset: 2.434 ms
Remote clock offset: -3.494 ms

# Below is generated by plot.py at 2019-11-24 18:28:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.57 Mbit/s
95th percentile per-packet one-way delay: 35.170 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 45.55 Mbit/s
95th percentile per-packet one-way delay: 42.446 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 45.56 Mbit/s
95th percentile per-packet one-way delay: 29.468 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 20.19 Mbit/s
95th percentile per-packet one-way delay: 28.176 ms
Loss rate: 0.64%
```

Run 2: Report of Copa — Data Link

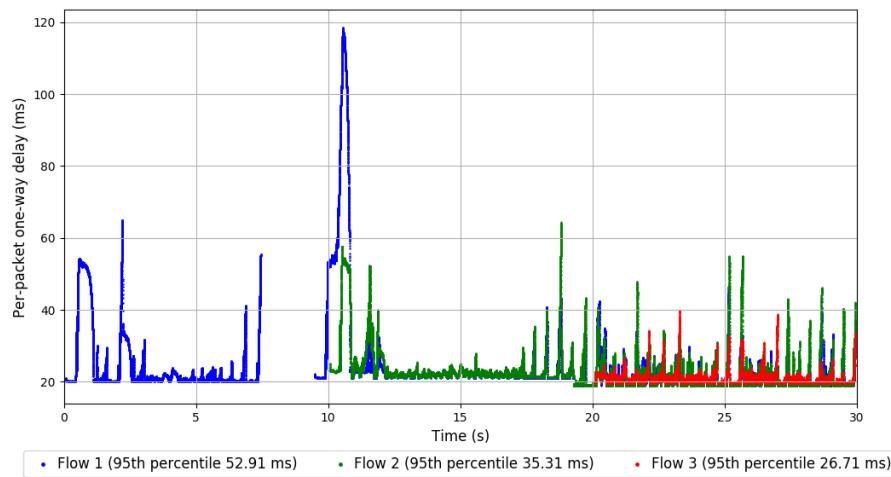
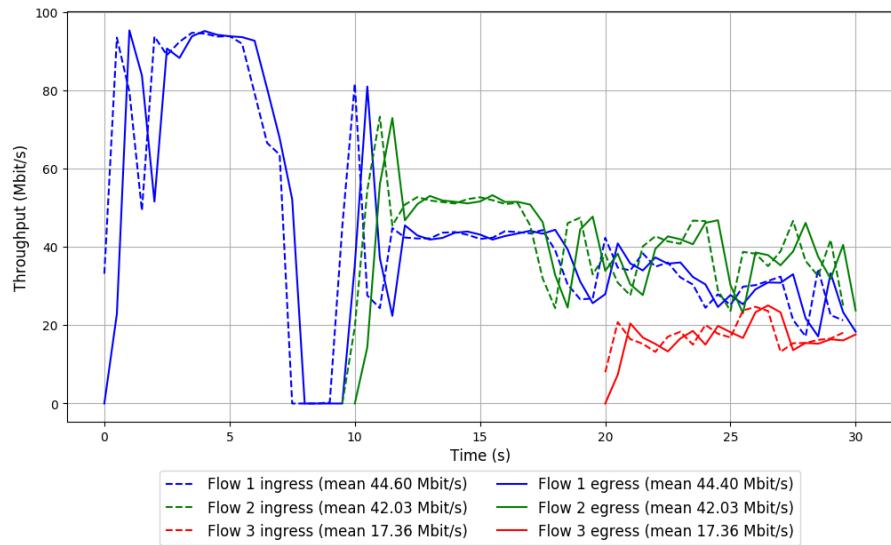


Run 3: Statistics of Copa

```
Start at: 2019-11-24 17:00:33
End at: 2019-11-24 17:01:03
Local clock offset: 4.696 ms
Remote clock offset: -5.298 ms

# Below is generated by plot.py at 2019-11-24 18:28:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.14 Mbit/s
95th percentile per-packet one-way delay: 50.239 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 44.40 Mbit/s
95th percentile per-packet one-way delay: 52.912 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 35.310 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 17.36 Mbit/s
95th percentile per-packet one-way delay: 26.715 ms
Loss rate: 0.47%
```

Run 3: Report of Copa — Data Link

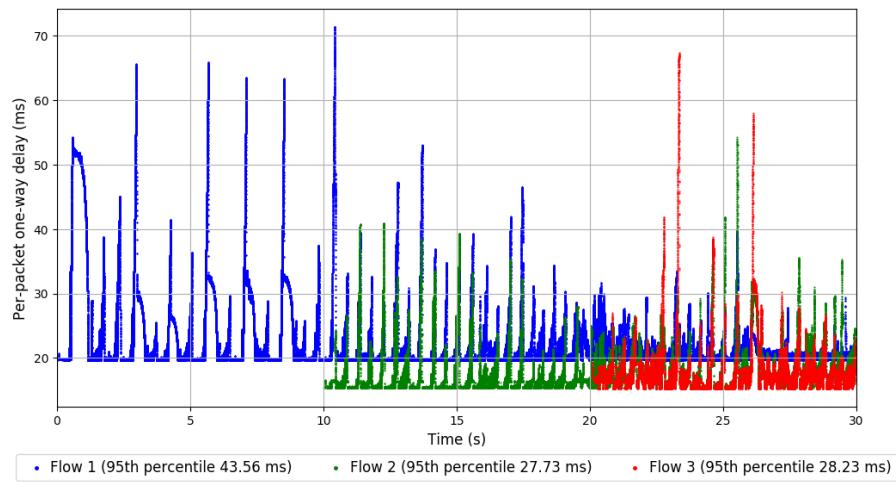
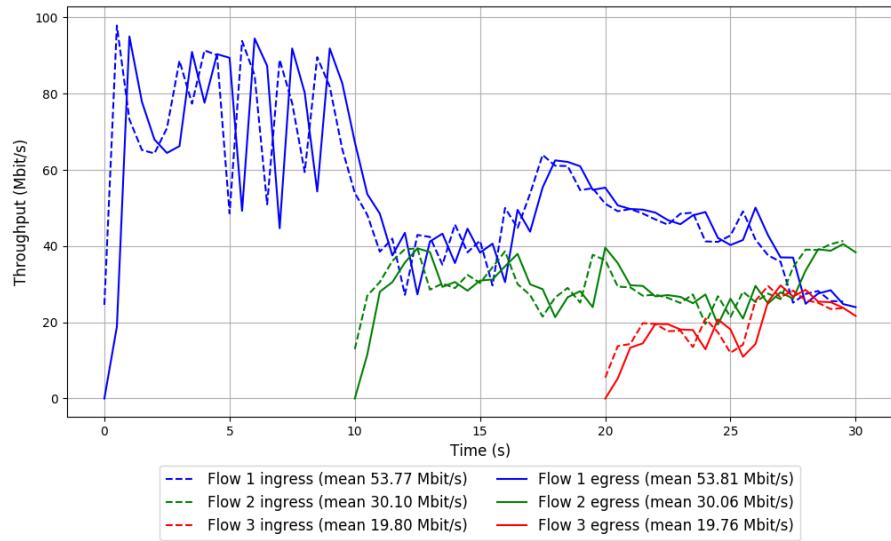


Run 4: Statistics of Copa

```
Start at: 2019-11-24 17:32:04
End at: 2019-11-24 17:32:34
Local clock offset: 1.863 ms
Remote clock offset: -3.259 ms

# Below is generated by plot.py at 2019-11-24 18:29:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.38 Mbit/s
95th percentile per-packet one-way delay: 36.474 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 53.81 Mbit/s
95th percentile per-packet one-way delay: 43.558 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 30.06 Mbit/s
95th percentile per-packet one-way delay: 27.730 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 19.76 Mbit/s
95th percentile per-packet one-way delay: 28.231 ms
Loss rate: 0.68%
```

Run 4: Report of Copa — Data Link

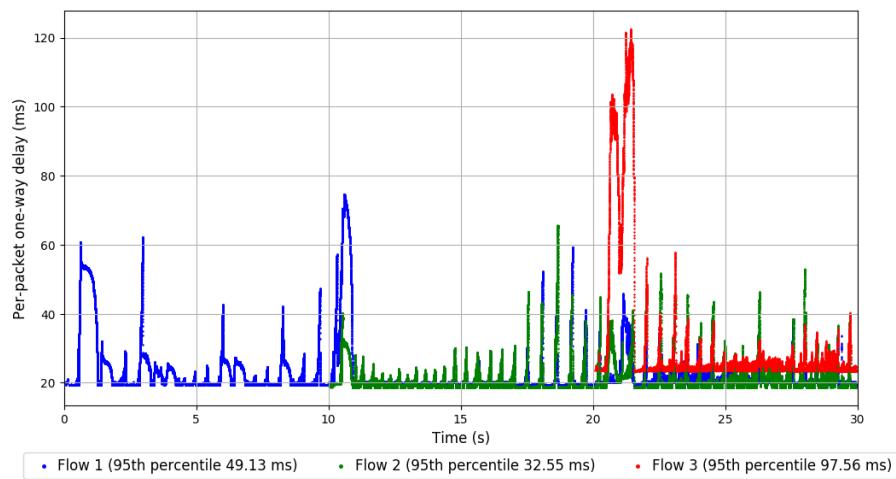
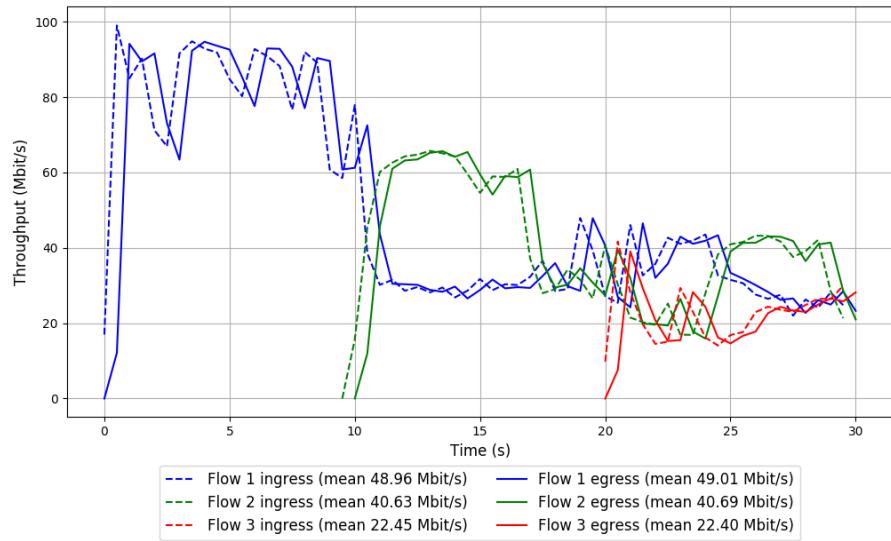


Run 5: Statistics of Copa

```
Start at: 2019-11-24 18:04:31
End at: 2019-11-24 18:05:01
Local clock offset: 4.508 ms
Remote clock offset: -6.362 ms

# Below is generated by plot.py at 2019-11-24 18:29:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.51 Mbit/s
95th percentile per-packet one-way delay: 45.544 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 49.01 Mbit/s
95th percentile per-packet one-way delay: 49.133 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 32.555 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 22.40 Mbit/s
95th percentile per-packet one-way delay: 97.560 ms
Loss rate: 0.80%
```

Run 5: Report of Copa — Data Link

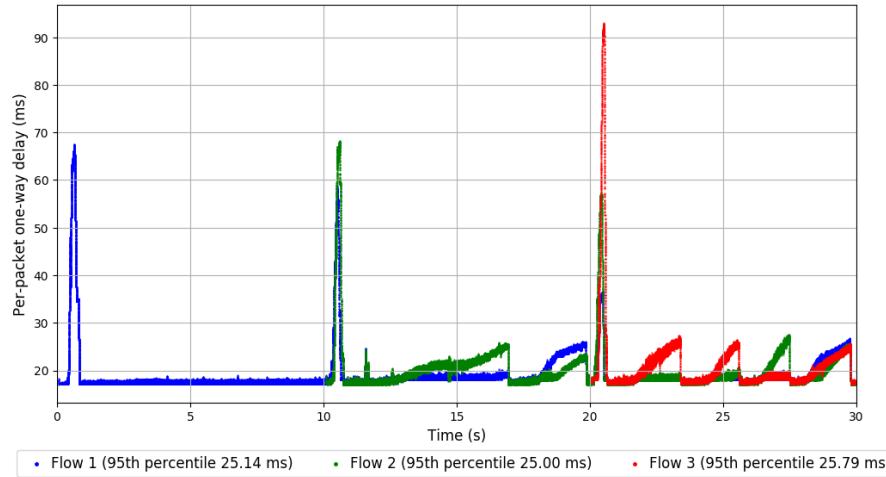
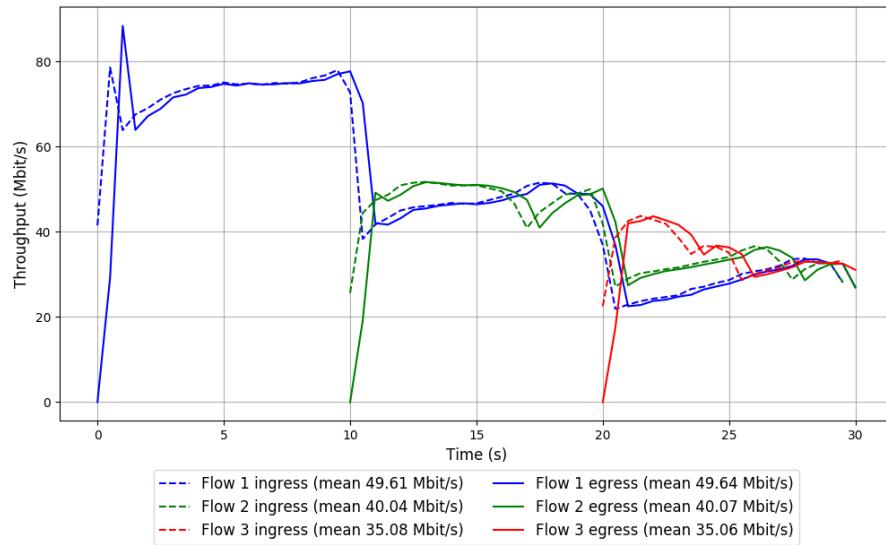


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-11-24 15:54:20
End at: 2019-11-24 15:54:50
Local clock offset: 0.966 ms
Remote clock offset: -3.998 ms

# Below is generated by plot.py at 2019-11-24 18:29:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 25.233 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 49.64 Mbit/s
95th percentile per-packet one-way delay: 25.143 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 24.996 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 25.790 ms
Loss rate: 0.56%
```

Run 1: Report of TCP Cubic — Data Link

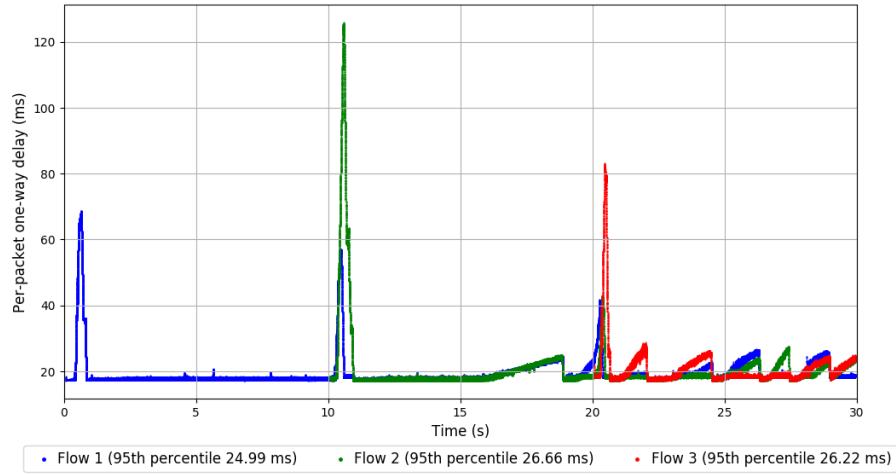
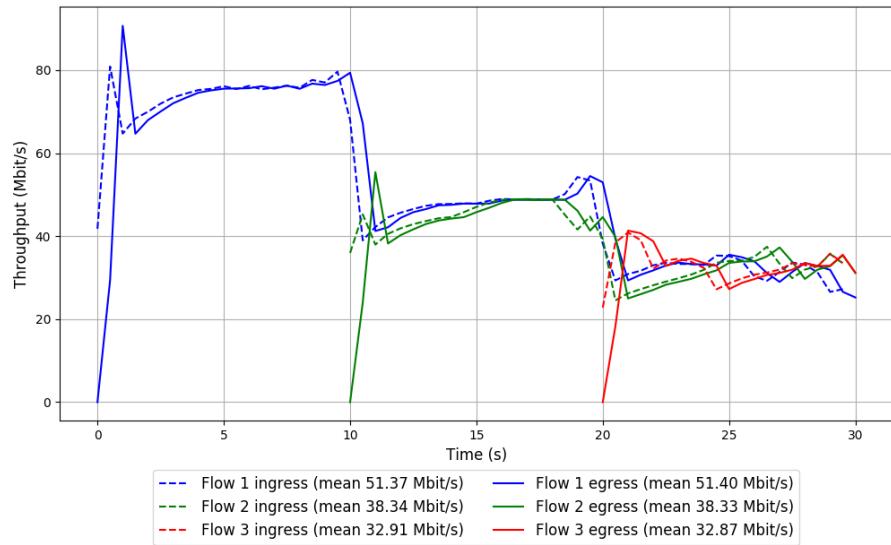


Run 2: Statistics of TCP Cubic

```
Start at: 2019-11-24 16:24:38
End at: 2019-11-24 16:25:08
Local clock offset: 1.736 ms
Remote clock offset: -4.555 ms

# Below is generated by plot.py at 2019-11-24 18:29:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.80 Mbit/s
95th percentile per-packet one-way delay: 25.535 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 51.40 Mbit/s
95th percentile per-packet one-way delay: 24.993 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 26.661 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 26.218 ms
Loss rate: 0.62%
```

Run 2: Report of TCP Cubic — Data Link

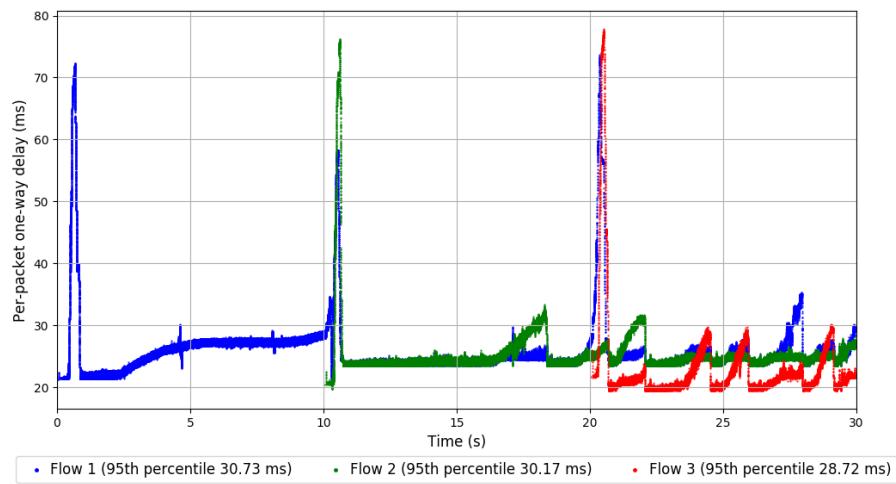
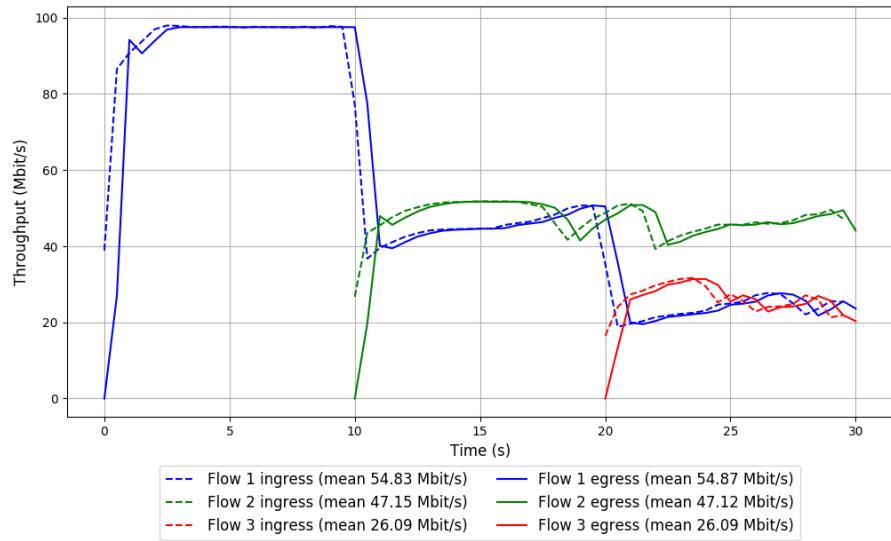


Run 3: Statistics of TCP Cubic

```
Start at: 2019-11-24 16:55:12
End at: 2019-11-24 16:55:42
Local clock offset: 3.97 ms
Remote clock offset: -5.994 ms

# Below is generated by plot.py at 2019-11-24 18:29:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.88 Mbit/s
95th percentile per-packet one-way delay: 30.173 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 54.87 Mbit/s
95th percentile per-packet one-way delay: 30.733 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 47.12 Mbit/s
95th percentile per-packet one-way delay: 30.171 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 26.09 Mbit/s
95th percentile per-packet one-way delay: 28.724 ms
Loss rate: 0.50%
```

Run 3: Report of TCP Cubic — Data Link

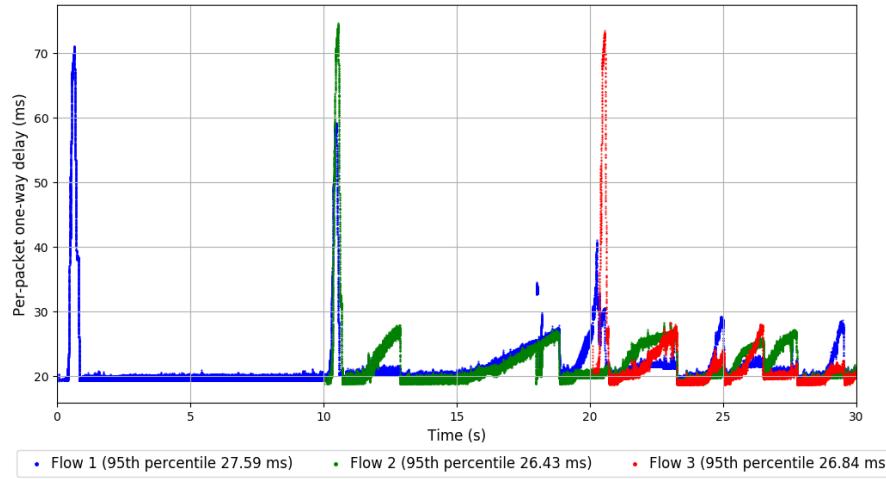
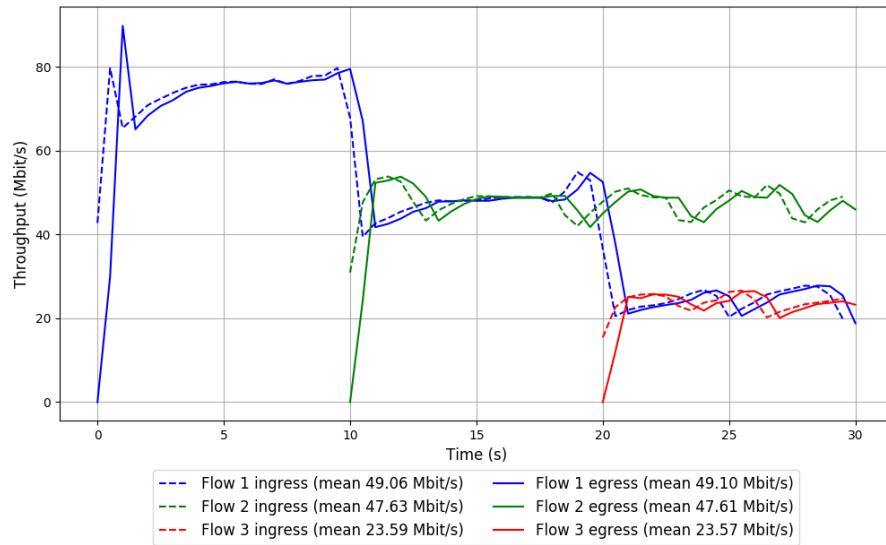


Run 4: Statistics of TCP Cubic

```
Start at: 2019-11-24 17:27:01
End at: 2019-11-24 17:27:31
Local clock offset: 3.118 ms
Remote clock offset: -5.513 ms

# Below is generated by plot.py at 2019-11-24 18:29:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 26.709 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 49.10 Mbit/s
95th percentile per-packet one-way delay: 27.586 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 26.427 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 26.841 ms
Loss rate: 0.58%
```

Run 4: Report of TCP Cubic — Data Link

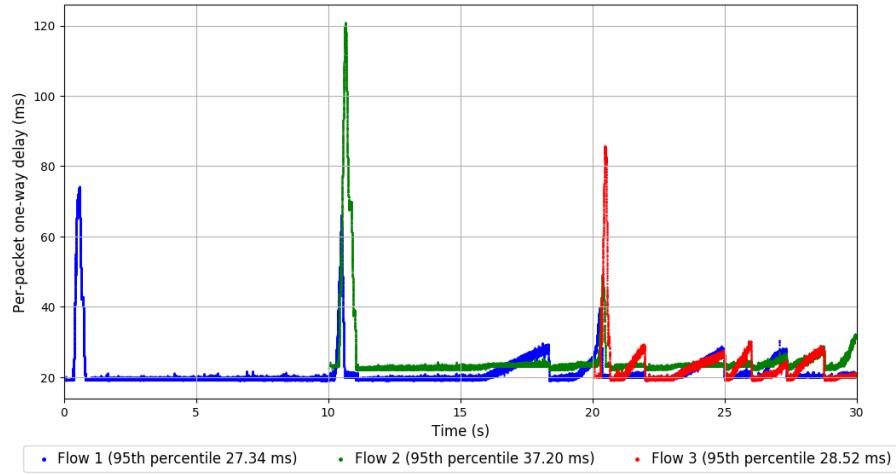
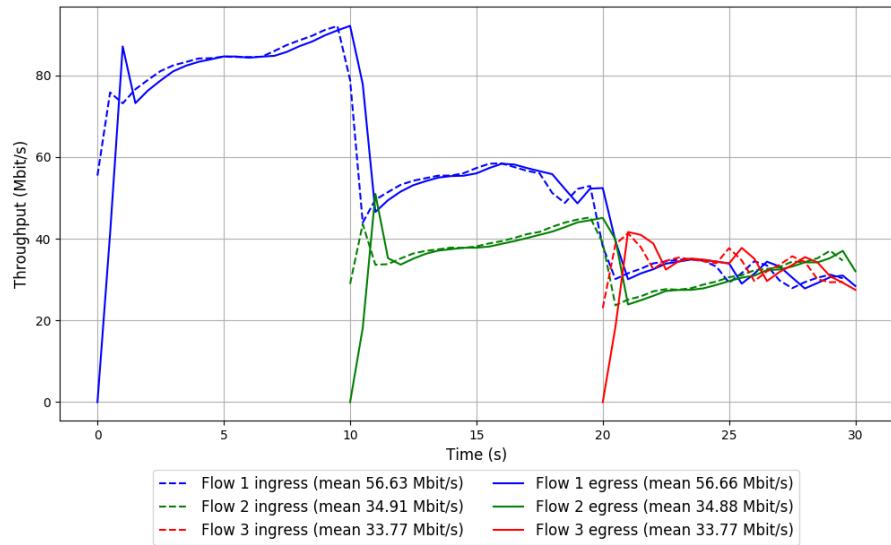


Run 5: Statistics of TCP Cubic

```
Start at: 2019-11-24 17:59:26
End at: 2019-11-24 17:59:56
Local clock offset: 3.402 ms
Remote clock offset: -7.559 ms

# Below is generated by plot.py at 2019-11-24 18:29:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.08 Mbit/s
95th percentile per-packet one-way delay: 28.038 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.66 Mbit/s
95th percentile per-packet one-way delay: 27.345 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 34.88 Mbit/s
95th percentile per-packet one-way delay: 37.202 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 33.77 Mbit/s
95th percentile per-packet one-way delay: 28.516 ms
Loss rate: 0.49%
```

Run 5: Report of TCP Cubic — Data Link

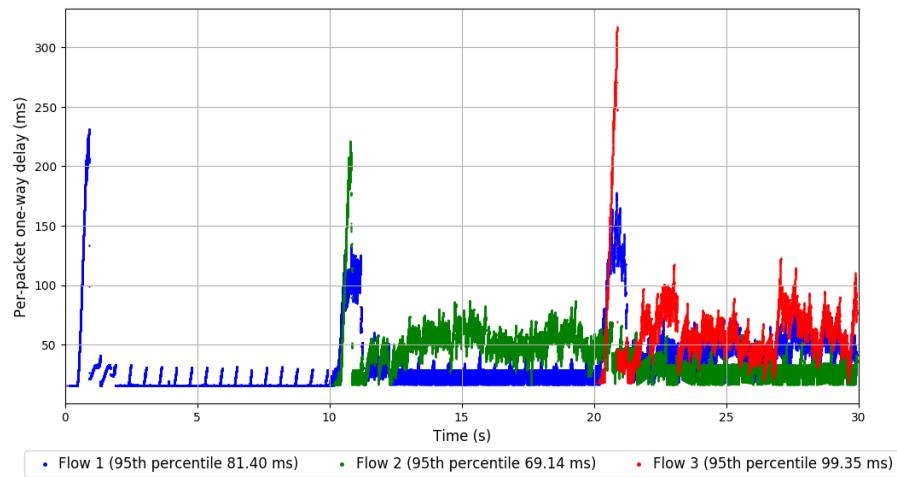
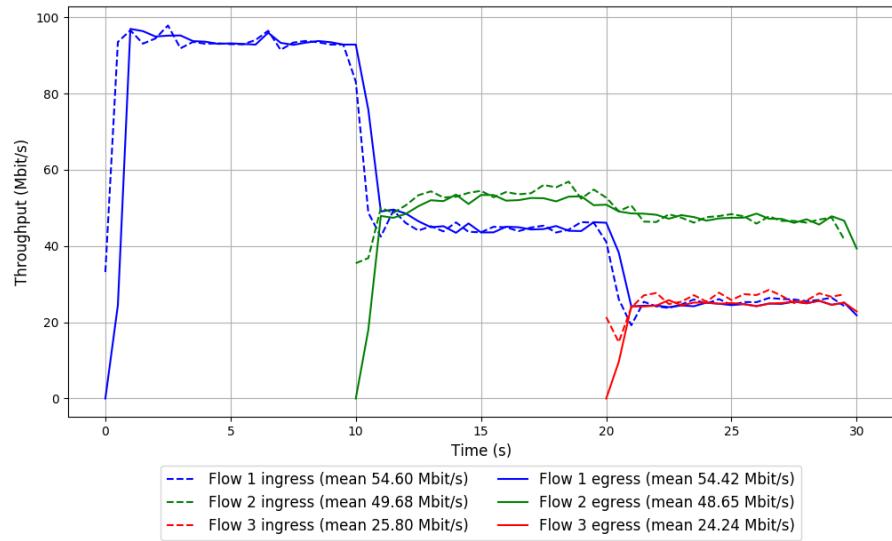


```
Run 1: Statistics of FillP
```

```
Start at: 2019-11-24 16:01:54
End at: 2019-11-24 16:02:24
Local clock offset: -0.534 ms
Remote clock offset: -3.848 ms

# Below is generated by plot.py at 2019-11-24 18:30:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 80.020 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 81.398 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 48.65 Mbit/s
95th percentile per-packet one-way delay: 69.143 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 99.348 ms
Loss rate: 6.44%
```

Run 1: Report of FillP — Data Link

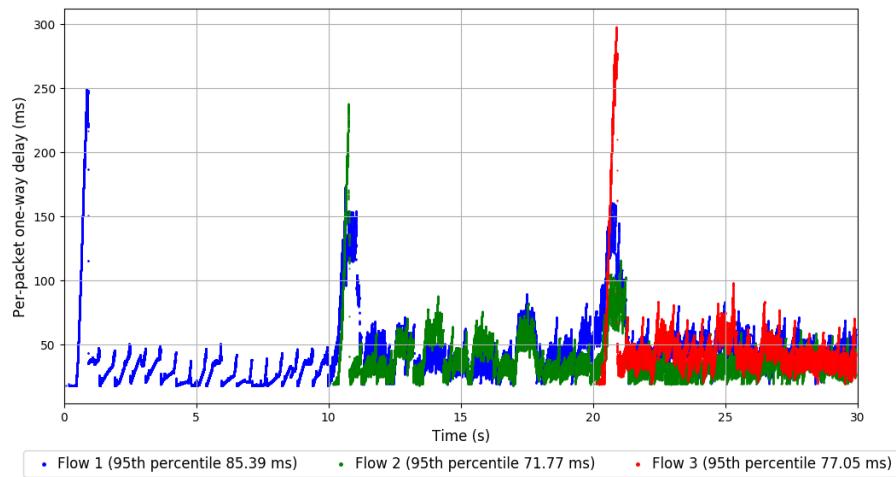
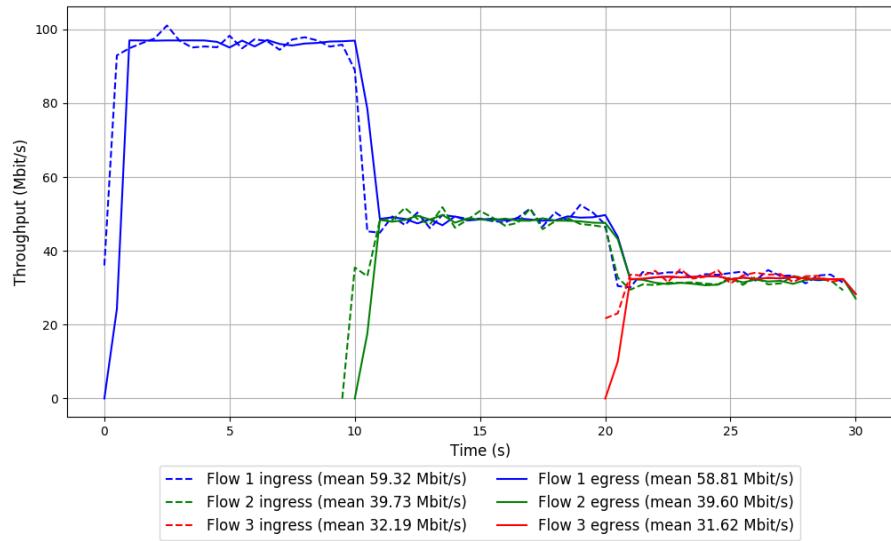


Run 2: Statistics of FillP

```
Start at: 2019-11-24 16:32:12
End at: 2019-11-24 16:32:42
Local clock offset: 4.238 ms
Remote clock offset: -3.54 ms

# Below is generated by plot.py at 2019-11-24 18:30:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 77.533 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 85.392 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 39.60 Mbit/s
95th percentile per-packet one-way delay: 71.765 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 77.050 ms
Loss rate: 2.24%
```

Run 2: Report of FillP — Data Link

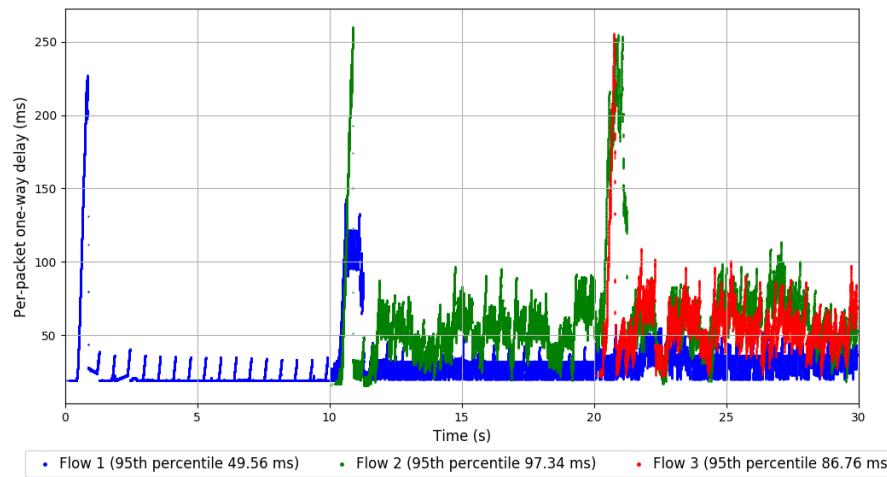
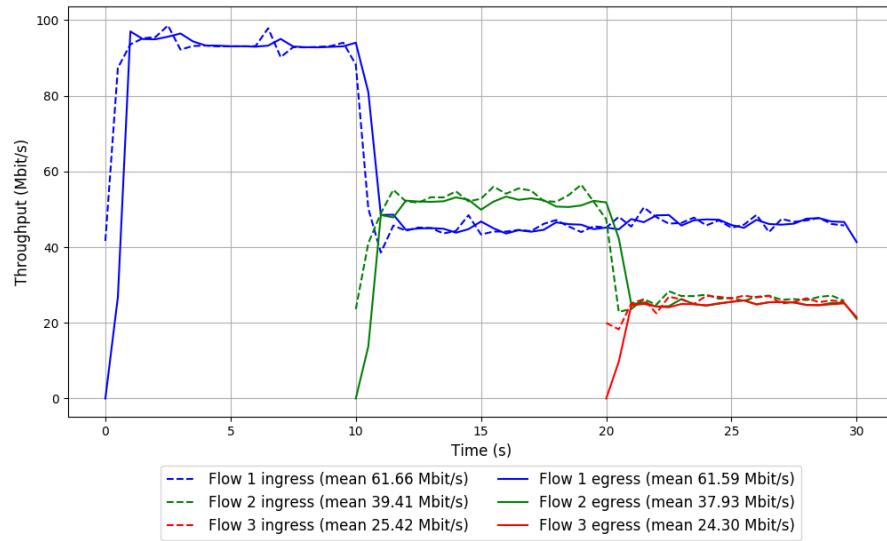


Run 3: Statistics of FillP

```
Start at: 2019-11-24 17:03:12
End at: 2019-11-24 17:03:42
Local clock offset: 1.818 ms
Remote clock offset: -5.381 ms

# Below is generated by plot.py at 2019-11-24 18:30:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 83.422 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 61.59 Mbit/s
95th percentile per-packet one-way delay: 49.560 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 97.339 ms
Loss rate: 3.94%
-- Flow 3:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 86.759 ms
Loss rate: 4.90%
```

Run 3: Report of FillP — Data Link

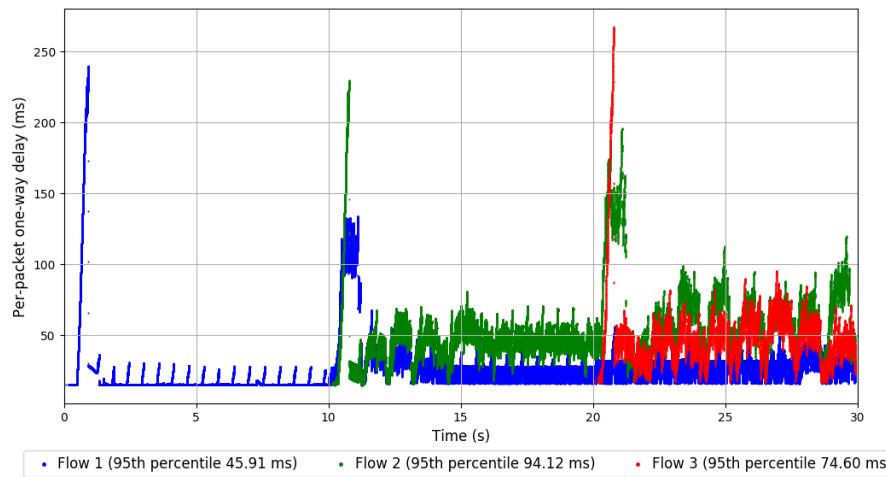
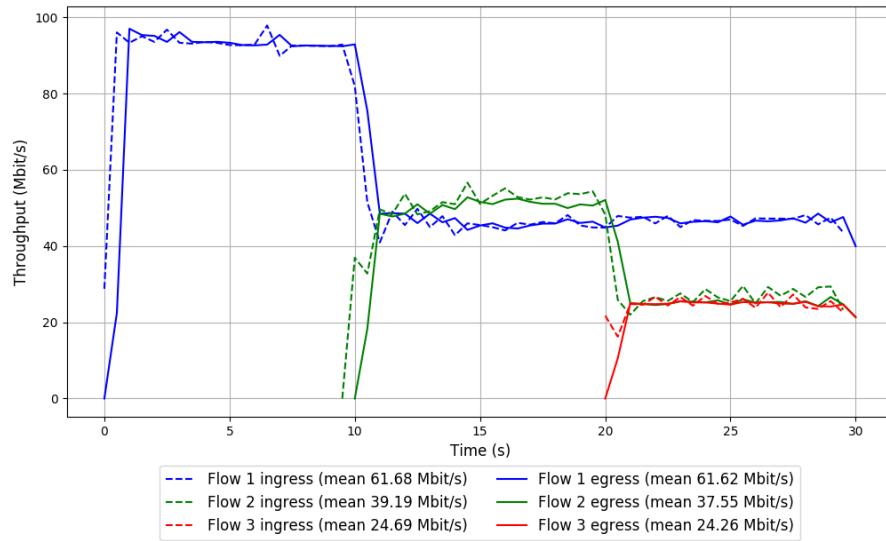


Run 4: Statistics of FillP

```
Start at: 2019-11-24 17:34:50
End at: 2019-11-24 17:35:20
Local clock offset: 0.126 ms
Remote clock offset: -4.161 ms

# Below is generated by plot.py at 2019-11-24 18:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 78.863 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 61.62 Mbit/s
95th percentile per-packet one-way delay: 45.907 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 37.55 Mbit/s
95th percentile per-packet one-way delay: 94.122 ms
Loss rate: 4.38%
-- Flow 3:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 74.603 ms
Loss rate: 2.10%
```

Run 4: Report of FillP — Data Link

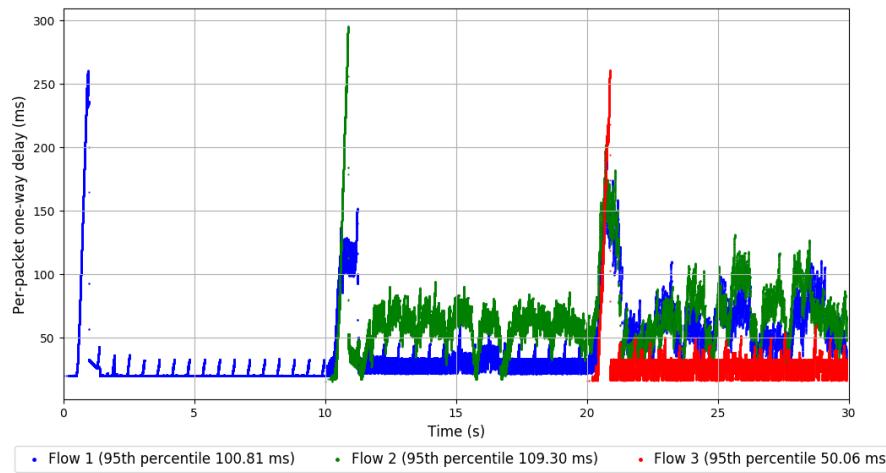
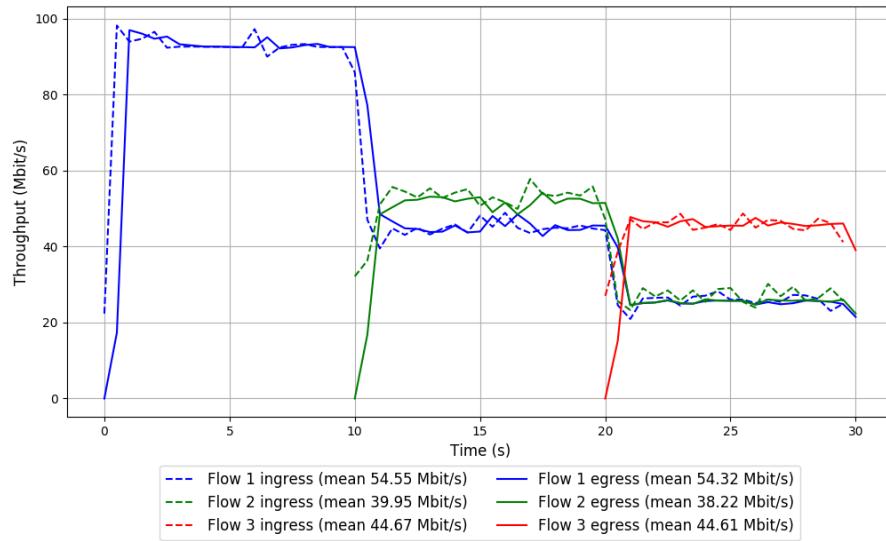


```
Run 5: Statistics of FillP
```

```
Start at: 2019-11-24 18:07:24
End at: 2019-11-24 18:07:54
Local clock offset: 3.876 ms
Remote clock offset: -3.843 ms

# Below is generated by plot.py at 2019-11-24 18:31:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 102.289 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 54.32 Mbit/s
95th percentile per-packet one-way delay: 100.806 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 38.22 Mbit/s
95th percentile per-packet one-way delay: 109.297 ms
Loss rate: 4.56%
-- Flow 3:
Average throughput: 44.61 Mbit/s
95th percentile per-packet one-way delay: 50.064 ms
Loss rate: 0.62%
```

Run 5: Report of FillP — Data Link

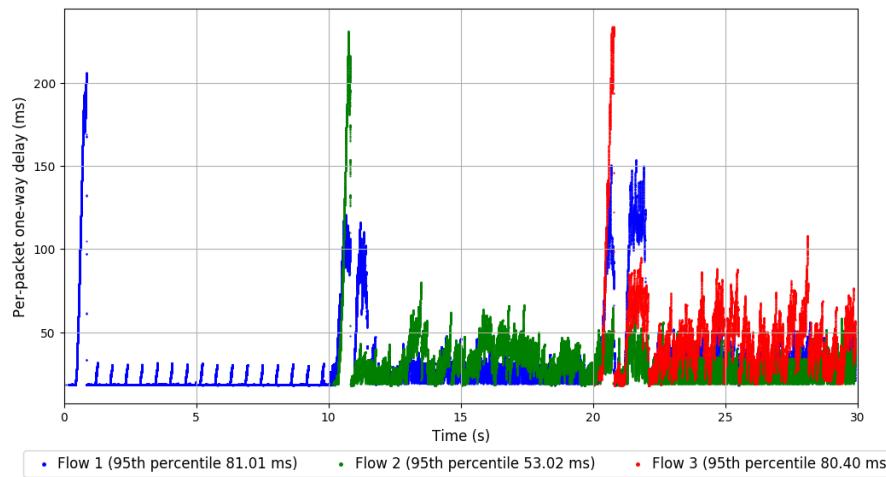
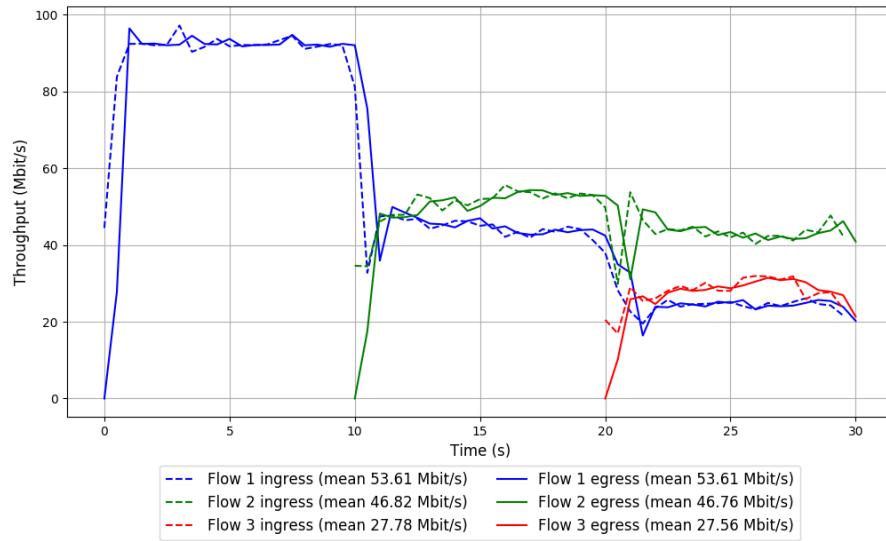


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-11-24 16:10:20
End at: 2019-11-24 16:10:50
Local clock offset: 2.677 ms
Remote clock offset: -3.39 ms

# Below is generated by plot.py at 2019-11-24 18:31:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.85 Mbit/s
95th percentile per-packet one-way delay: 68.302 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 53.61 Mbit/s
95th percentile per-packet one-way delay: 81.013 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 46.76 Mbit/s
95th percentile per-packet one-way delay: 53.023 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 27.56 Mbit/s
95th percentile per-packet one-way delay: 80.398 ms
Loss rate: 1.20%
```

Run 1: Report of FillP-Sheep — Data Link

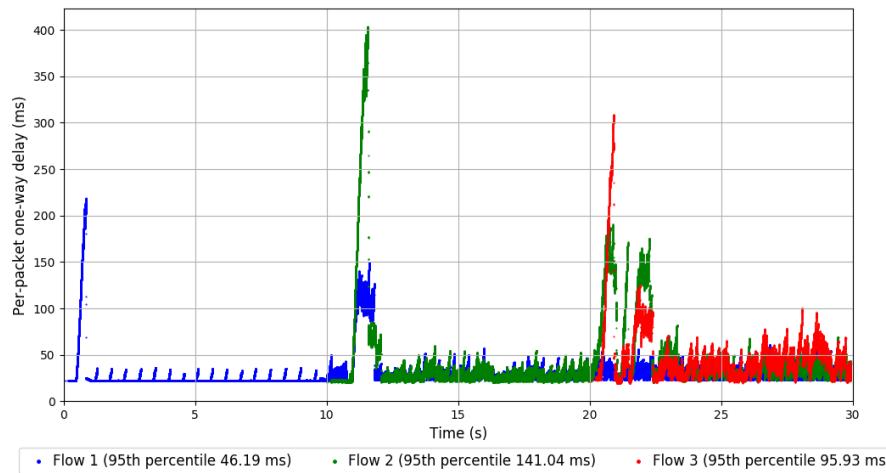
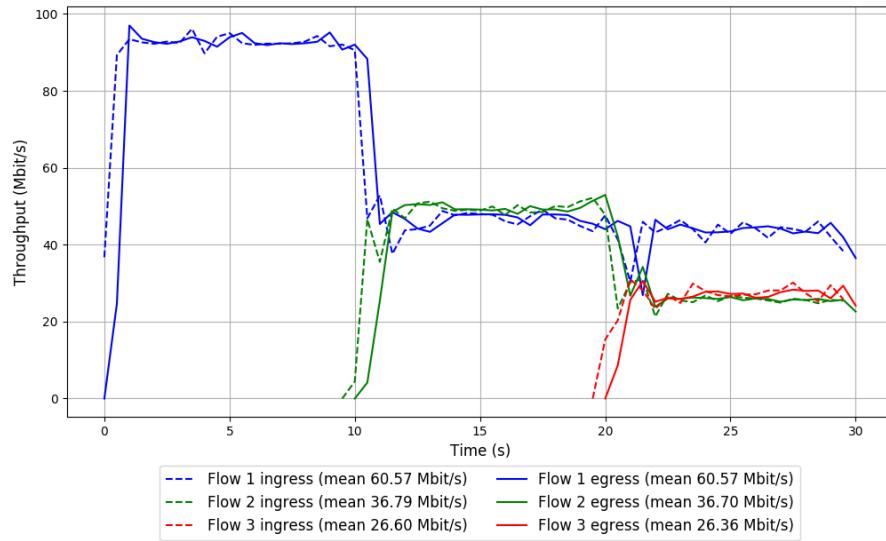


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-11-24 16:41:01
End at: 2019-11-24 16:41:31
Local clock offset: 3.834 ms
Remote clock offset: -4.425 ms

# Below is generated by plot.py at 2019-11-24 18:31:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 85.726 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 60.57 Mbit/s
95th percentile per-packet one-way delay: 46.188 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 36.70 Mbit/s
95th percentile per-packet one-way delay: 141.042 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 26.36 Mbit/s
95th percentile per-packet one-way delay: 95.930 ms
Loss rate: 1.26%
```

Run 2: Report of FillP-Sheep — Data Link

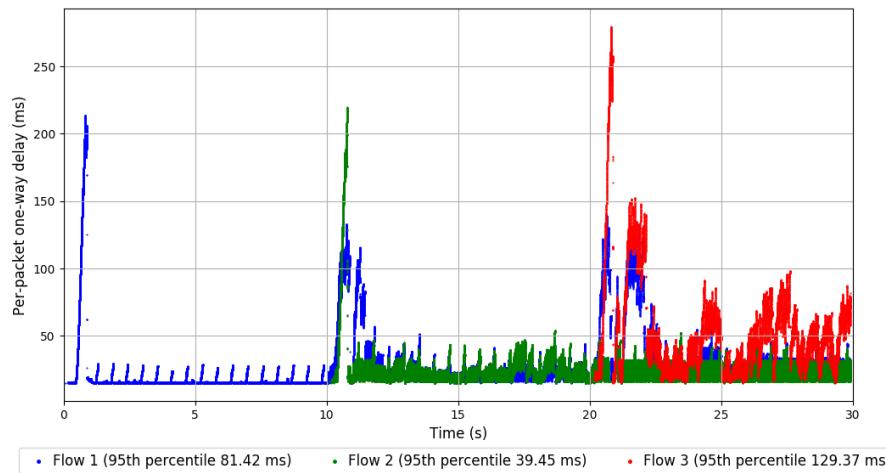
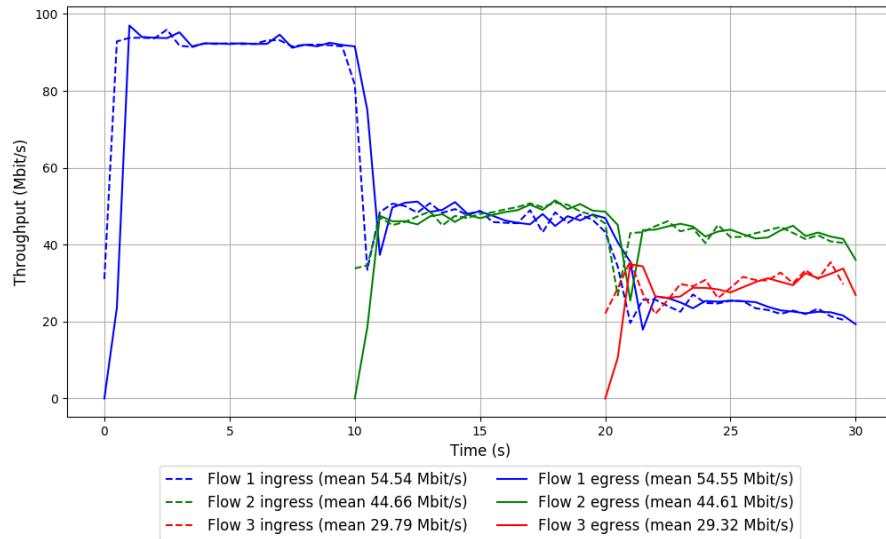


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-11-24 17:12:18
End at: 2019-11-24 17:12:48
Local clock offset: 2.229 ms
Remote clock offset: -2.272 ms

# Below is generated by plot.py at 2019-11-24 18:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 78.386 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 54.55 Mbit/s
95th percentile per-packet one-way delay: 81.421 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 44.61 Mbit/s
95th percentile per-packet one-way delay: 39.453 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 29.32 Mbit/s
95th percentile per-packet one-way delay: 129.370 ms
Loss rate: 1.98%
```

Run 3: Report of FillP-Sheep — Data Link

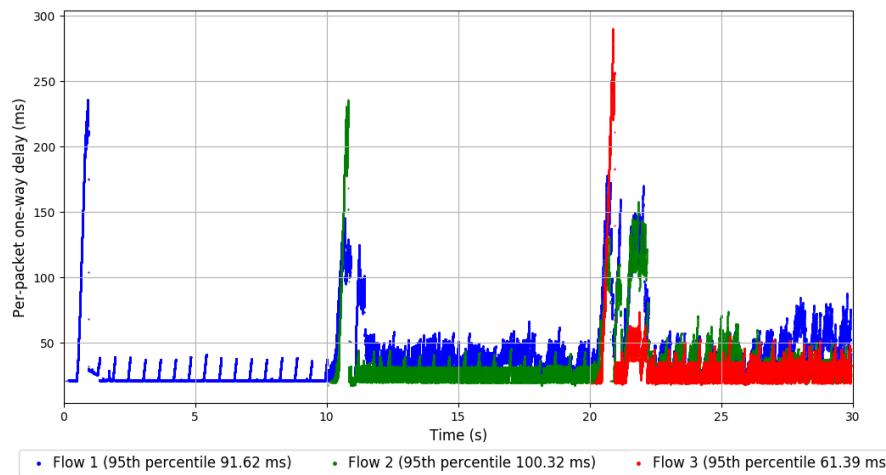
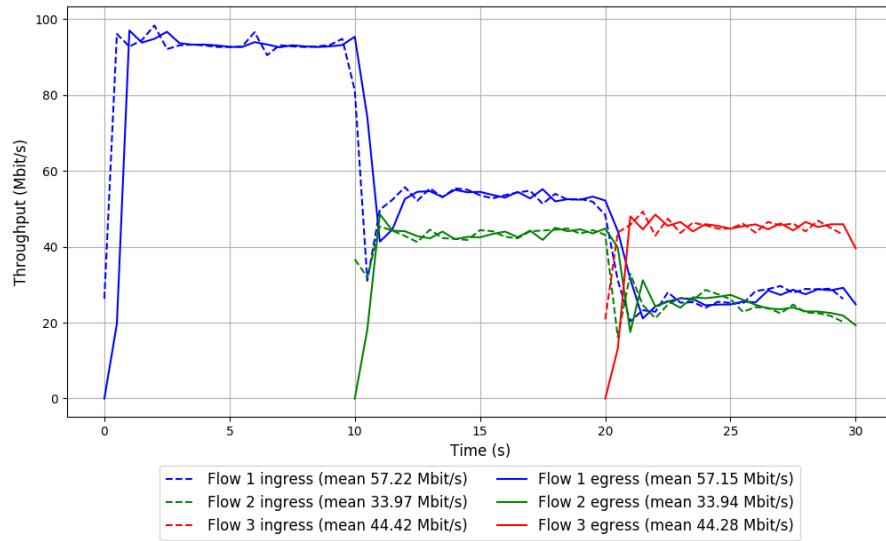


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-11-24 17:43:44
End at: 2019-11-24 17:44:14
Local clock offset: 2.659 ms
Remote clock offset: -6.081 ms

# Below is generated by plot.py at 2019-11-24 18:31:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 91.553 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 57.15 Mbit/s
95th percentile per-packet one-way delay: 91.616 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 33.94 Mbit/s
95th percentile per-packet one-way delay: 100.320 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 44.28 Mbit/s
95th percentile per-packet one-way delay: 61.390 ms
Loss rate: 0.72%
```

Run 4: Report of FillP-Sheep — Data Link

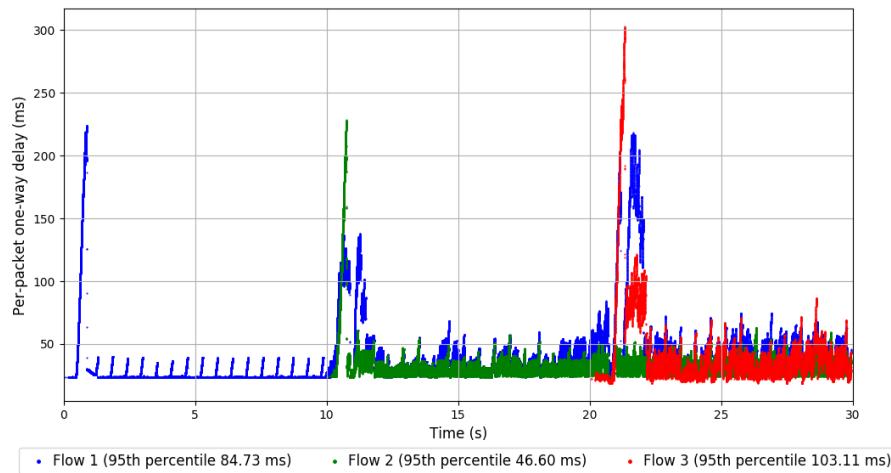
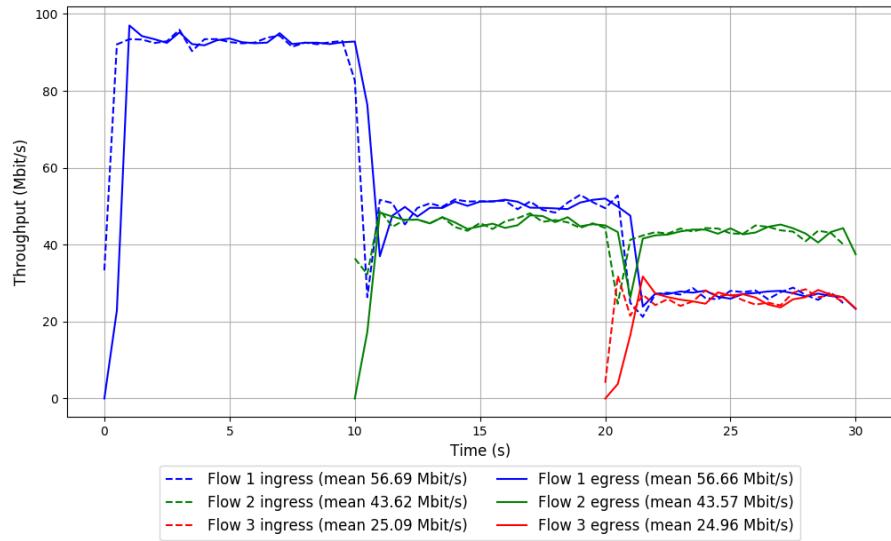


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-11-24 18:16:50
End at: 2019-11-24 18:17:20
Local clock offset: 3.692 ms
Remote clock offset: -6.443 ms

# Below is generated by plot.py at 2019-11-24 18:31:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 73.487 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 56.66 Mbit/s
95th percentile per-packet one-way delay: 84.733 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 43.57 Mbit/s
95th percentile per-packet one-way delay: 46.600 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 103.108 ms
Loss rate: 0.99%
```

Run 5: Report of FillP-Sheep — Data Link

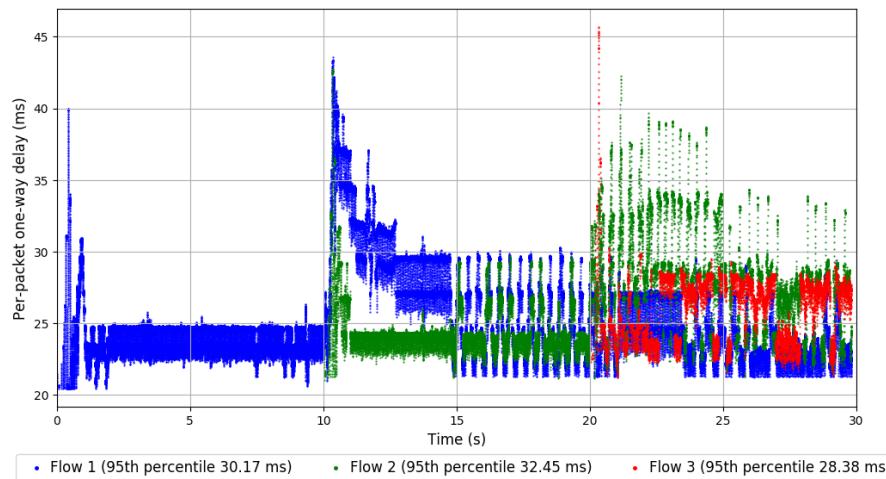
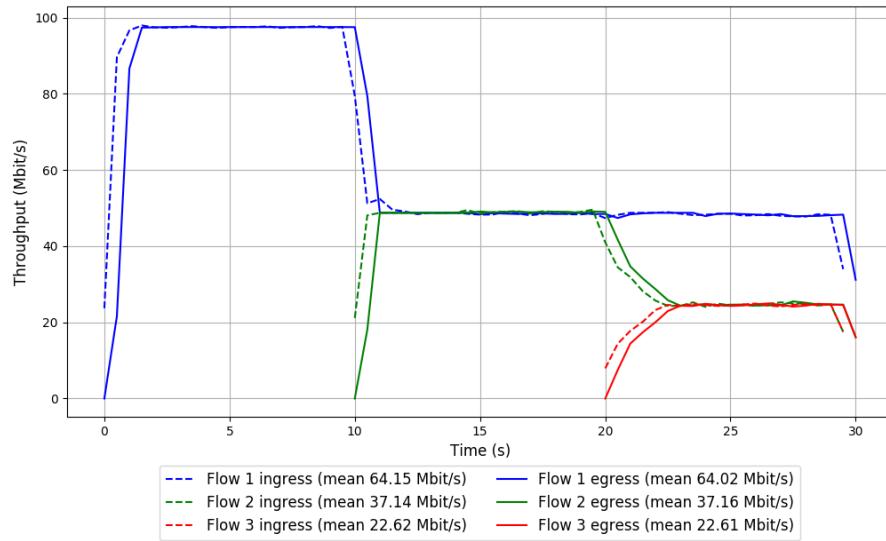


Run 1: Statistics of Indigo

```
Start at: 2019-11-24 16:14:20
End at: 2019-11-24 16:14:50
Local clock offset: 4.113 ms
Remote clock offset: -4.501 ms

# Below is generated by plot.py at 2019-11-24 18:31:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 30.883 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 64.02 Mbit/s
95th percentile per-packet one-way delay: 30.170 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 32.447 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 22.61 Mbit/s
95th percentile per-packet one-way delay: 28.379 ms
Loss rate: 0.62%
```

Run 1: Report of Indigo — Data Link

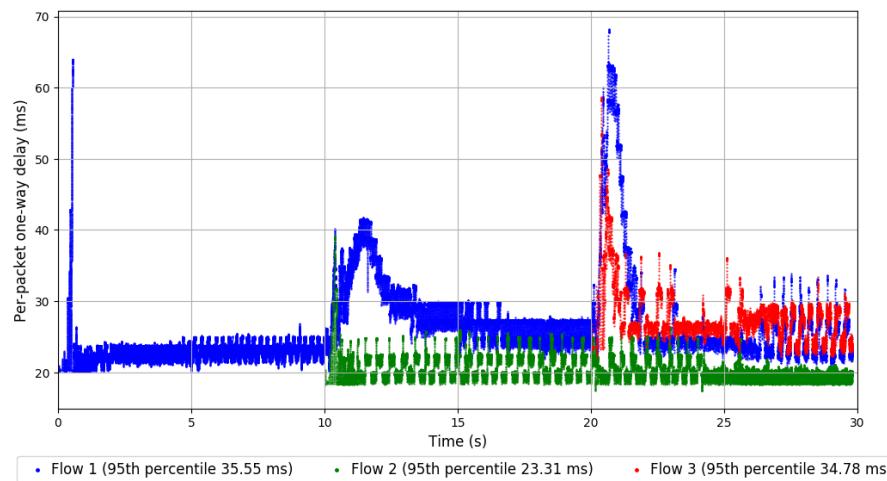
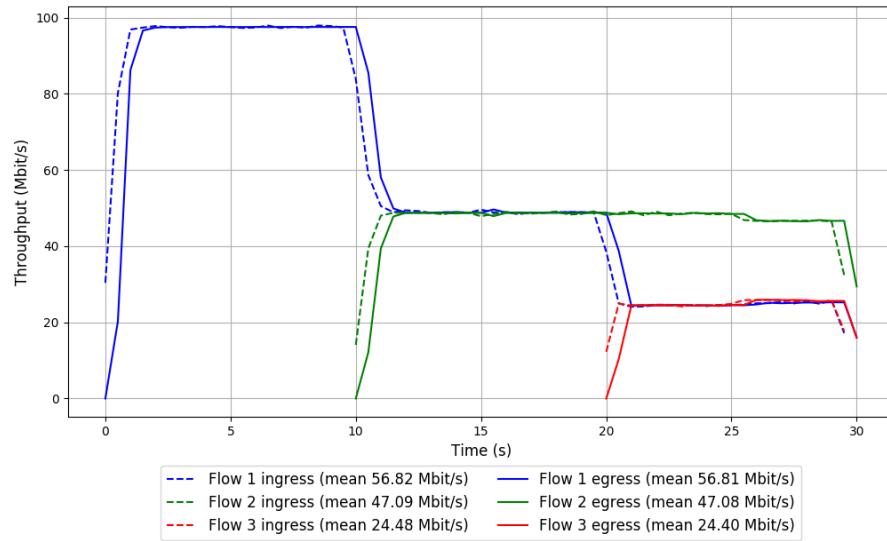


Run 2: Statistics of Indigo

```
Start at: 2019-11-24 16:45:01
End at: 2019-11-24 16:45:31
Local clock offset: 4.322 ms
Remote clock offset: -3.337 ms

# Below is generated by plot.py at 2019-11-24 18:31:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 32.079 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 56.81 Mbit/s
95th percentile per-packet one-way delay: 35.548 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 47.08 Mbit/s
95th percentile per-packet one-way delay: 23.312 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 34.781 ms
Loss rate: 0.87%
```

Run 2: Report of Indigo — Data Link

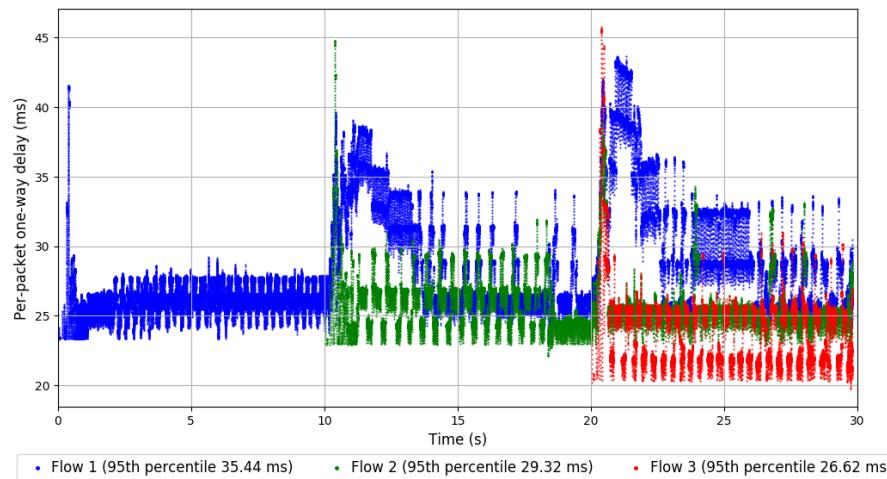
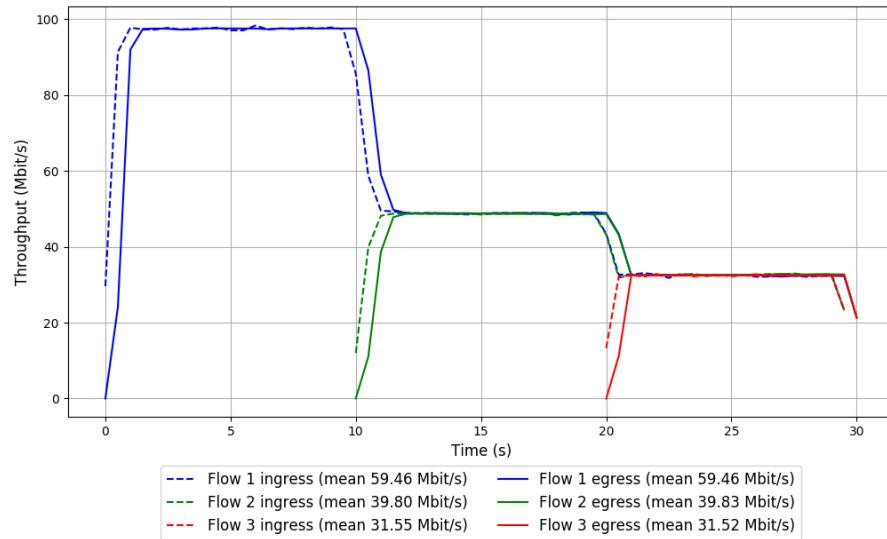


Run 3: Statistics of Indigo

```
Start at: 2019-11-24 17:16:10
End at: 2019-11-24 17:16:40
Local clock offset: 2.526 ms
Remote clock offset: -6.63 ms

# Below is generated by plot.py at 2019-11-24 18:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 33.844 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 35.436 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 29.320 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.52 Mbit/s
95th percentile per-packet one-way delay: 26.618 ms
Loss rate: 0.58%
```

Run 3: Report of Indigo — Data Link

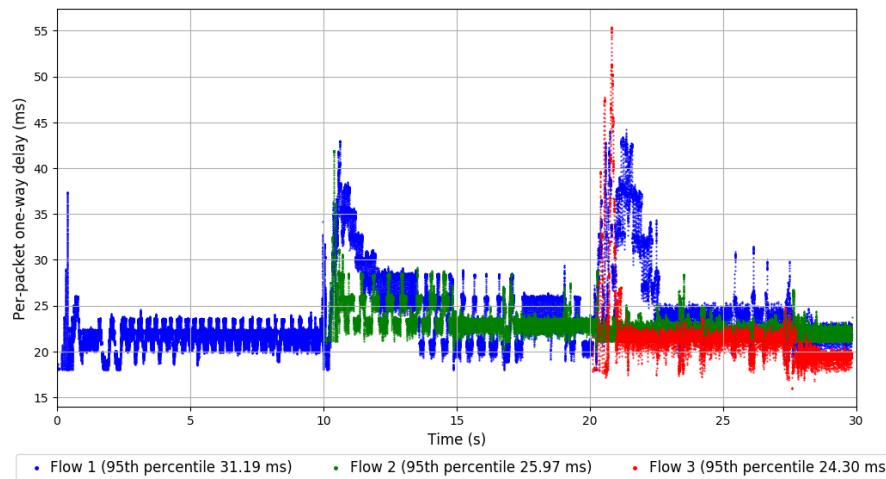
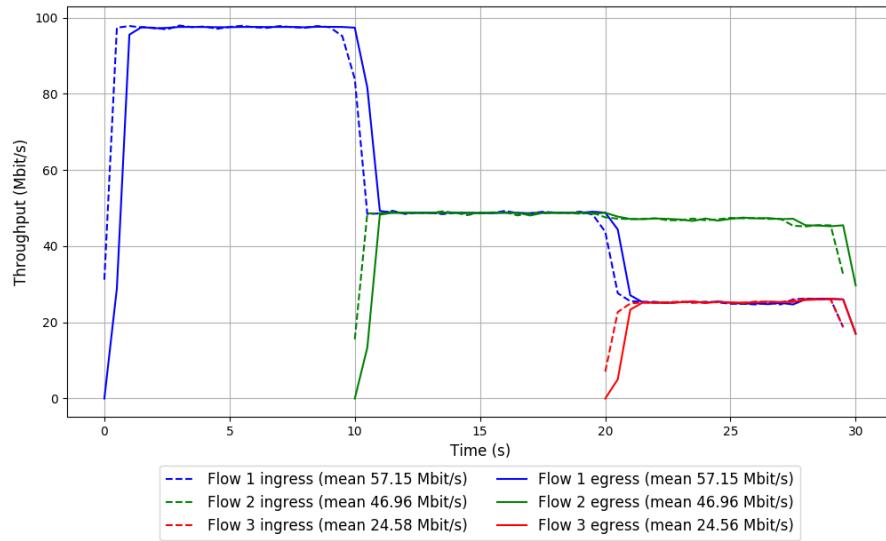


Run 4: Statistics of Indigo

```
Start at: 2019-11-24 17:47:48
End at: 2019-11-24 17:48:18
Local clock offset: -0.186 ms
Remote clock offset: -7.175 ms

# Below is generated by plot.py at 2019-11-24 18:32:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 28.411 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.15 Mbit/s
95th percentile per-packet one-way delay: 31.192 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 46.96 Mbit/s
95th percentile per-packet one-way delay: 25.968 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 24.295 ms
Loss rate: 0.58%
```

Run 4: Report of Indigo — Data Link

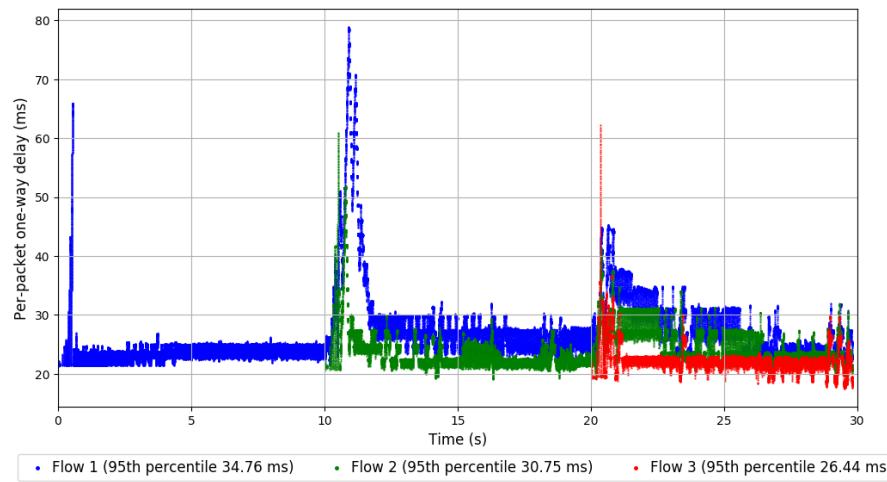
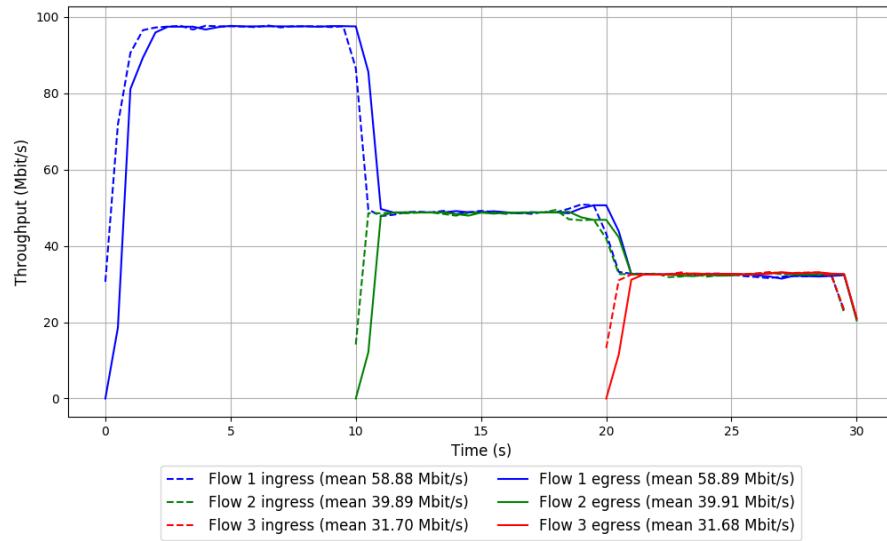


Run 5: Statistics of Indigo

```
Start at: 2019-11-24 18:20:57
End at: 2019-11-24 18:21:27
Local clock offset: 0.315 ms
Remote clock offset: -7.731 ms

# Below is generated by plot.py at 2019-11-24 18:32:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 32.596 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 58.89 Mbit/s
95th percentile per-packet one-way delay: 34.756 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 30.755 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 26.441 ms
Loss rate: 0.54%
```

Run 5: Report of Indigo — Data Link

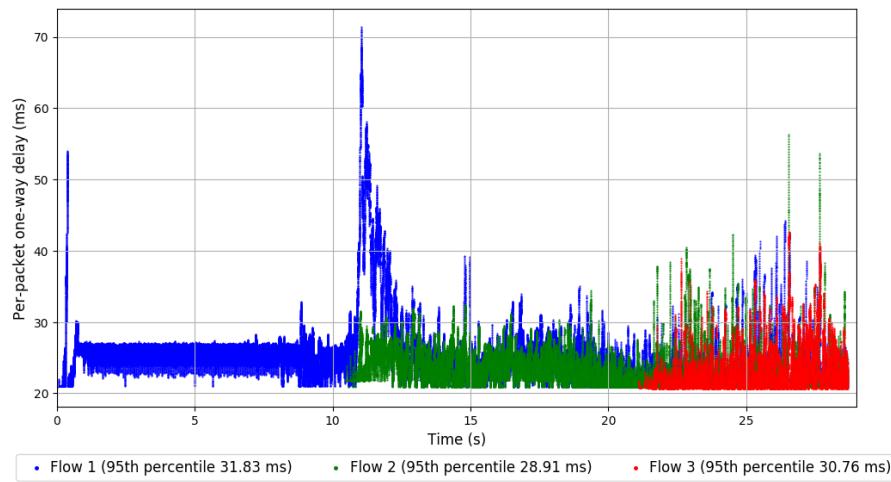
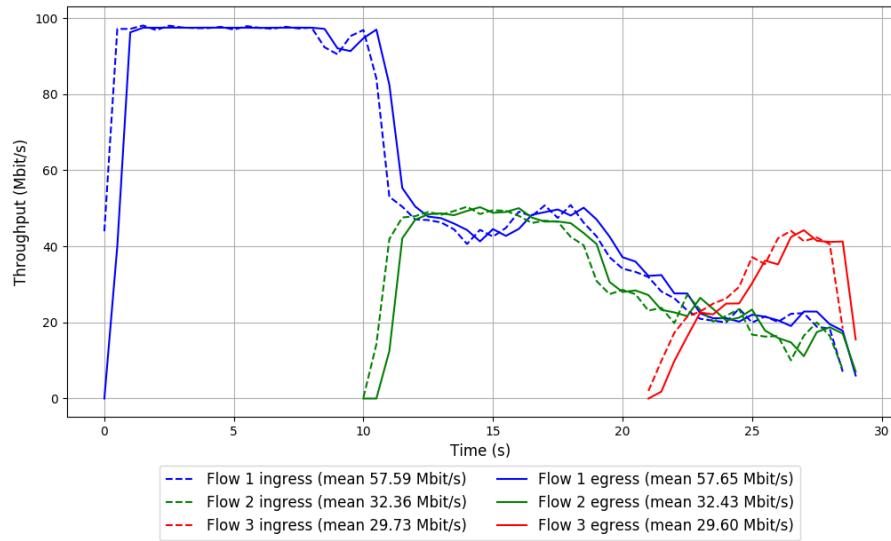


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 16:09:06
End at: 2019-11-24 16:09:36
Local clock offset: 3.675 ms
Remote clock offset: -4.579 ms

# Below is generated by plot.py at 2019-11-24 18:32:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 30.580 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.65 Mbit/s
95th percentile per-packet one-way delay: 31.826 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 28.912 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 30.763 ms
Loss rate: 1.09%
```

Run 1: Report of Indigo-MusesC3 — Data Link

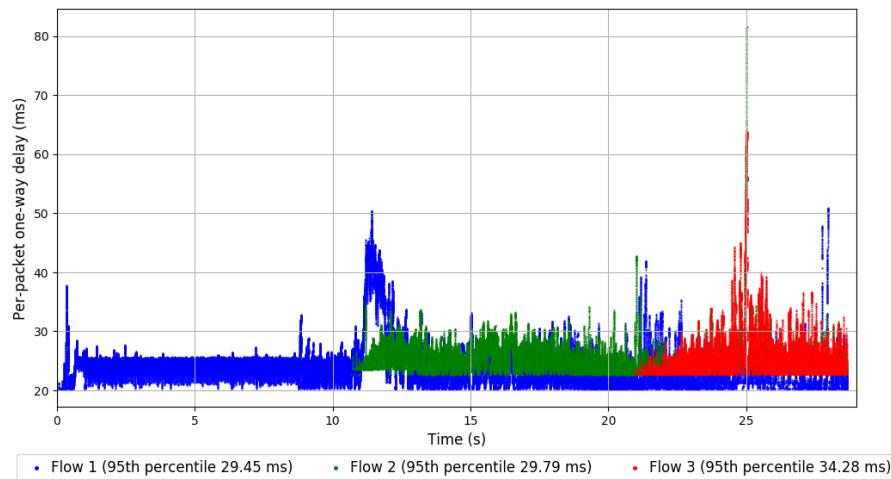
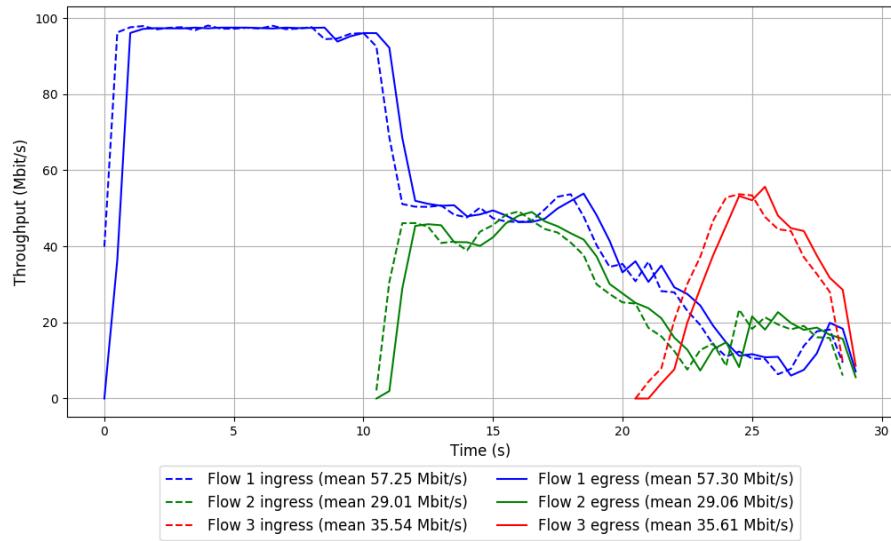


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 16:39:44
End at: 2019-11-24 16:40:14
Local clock offset: 4.185 ms
Remote clock offset: -4.821 ms

# Below is generated by plot.py at 2019-11-24 18:32:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.12 Mbit/s
95th percentile per-packet one-way delay: 30.391 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 57.30 Mbit/s
95th percentile per-packet one-way delay: 29.453 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 29.06 Mbit/s
95th percentile per-packet one-way delay: 29.786 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 35.61 Mbit/s
95th percentile per-packet one-way delay: 34.279 ms
Loss rate: 0.52%
```

Run 2: Report of Indigo-MusesC3 — Data Link

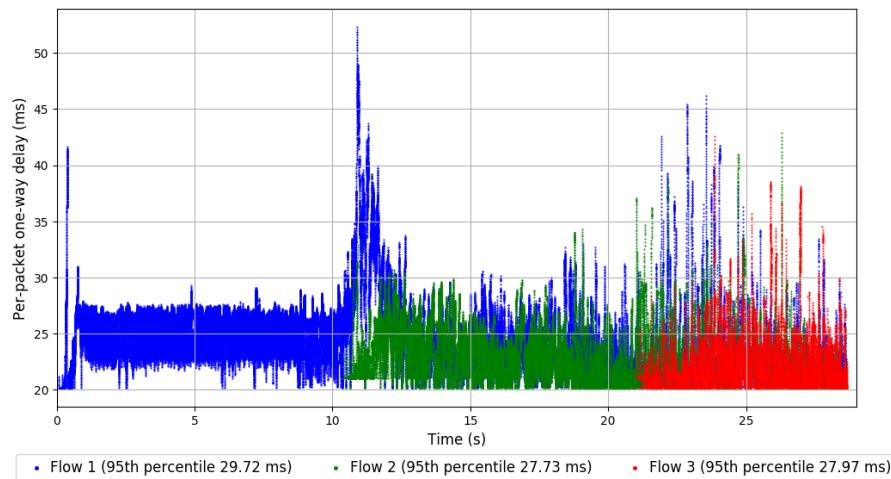
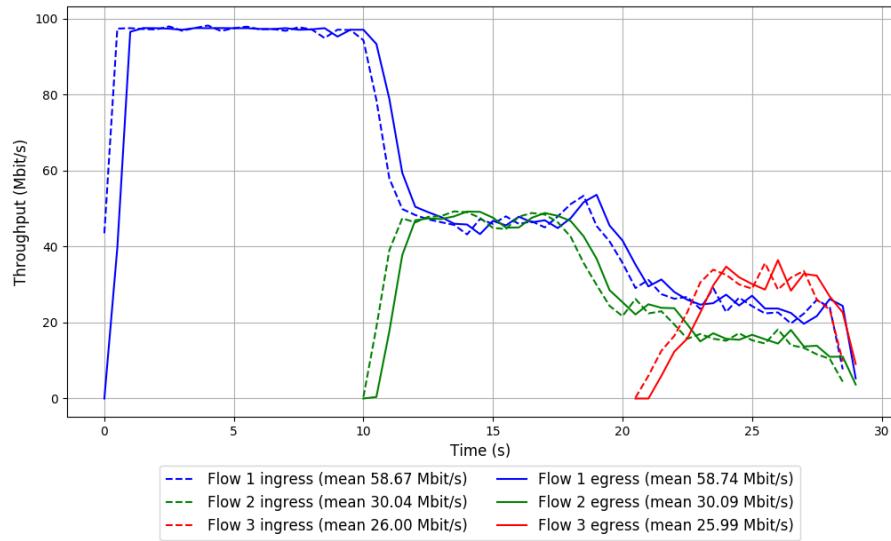


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 17:10:59
End at: 2019-11-24 17:11:29
Local clock offset: 3.288 ms
Remote clock offset: -6.459 ms

# Below is generated by plot.py at 2019-11-24 18:32:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.92 Mbit/s
95th percentile per-packet one-way delay: 28.906 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 58.74 Mbit/s
95th percentile per-packet one-way delay: 29.720 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 27.729 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 25.99 Mbit/s
95th percentile per-packet one-way delay: 27.973 ms
Loss rate: 0.60%
```

Run 3: Report of Indigo-MusesC3 — Data Link

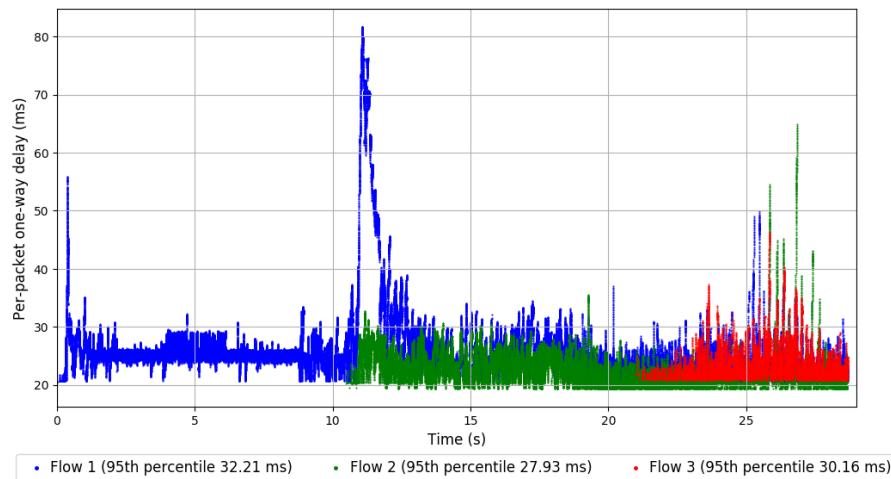
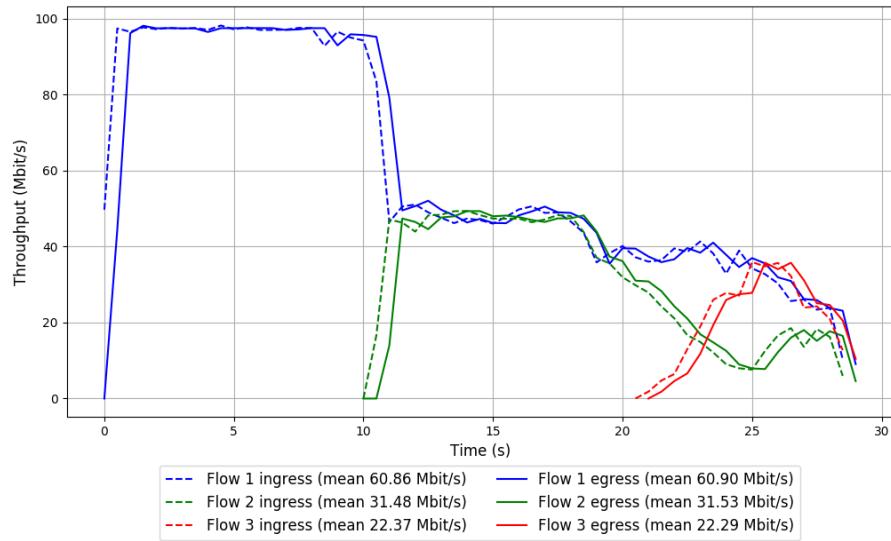


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 17:42:25
End at: 2019-11-24 17:42:55
Local clock offset: 3.062 ms
Remote clock offset: -3.621 ms

# Below is generated by plot.py at 2019-11-24 18:32:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.92 Mbit/s
95th percentile per-packet one-way delay: 30.987 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 60.90 Mbit/s
95th percentile per-packet one-way delay: 32.206 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 27.926 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 22.29 Mbit/s
95th percentile per-packet one-way delay: 30.160 ms
Loss rate: 1.06%
```

Run 4: Report of Indigo-MusesC3 — Data Link

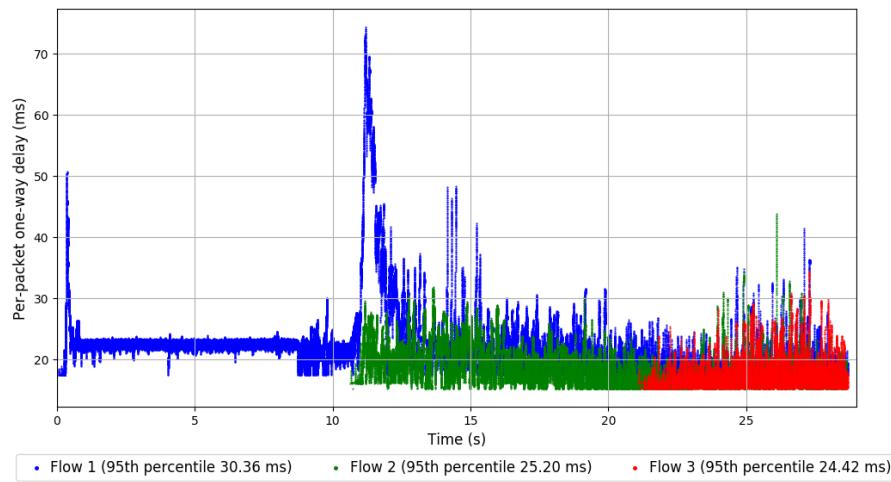
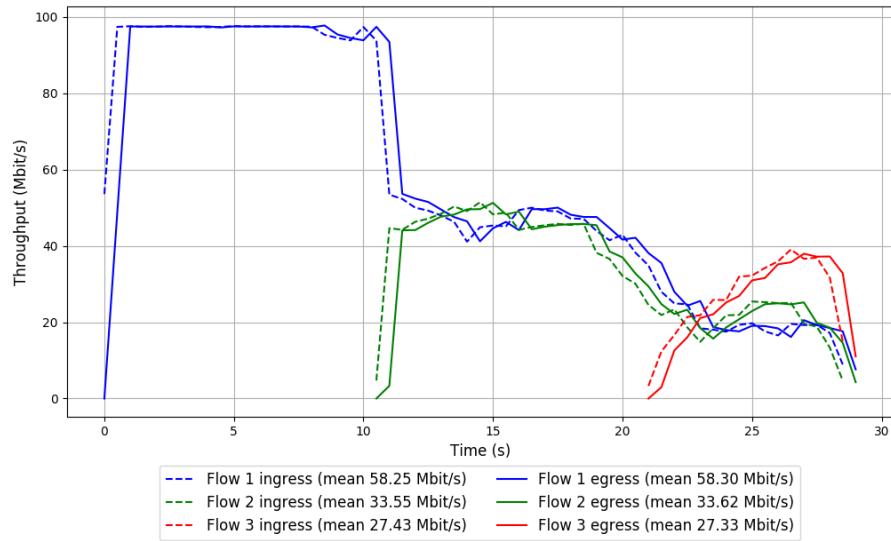


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 18:15:23
End at: 2019-11-24 18:15:53
Local clock offset: -0.573 ms
Remote clock offset: -7.352 ms

# Below is generated by plot.py at 2019-11-24 18:32:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.73 Mbit/s
95th percentile per-packet one-way delay: 27.562 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 58.30 Mbit/s
95th percentile per-packet one-way delay: 30.362 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 33.62 Mbit/s
95th percentile per-packet one-way delay: 25.198 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 27.33 Mbit/s
95th percentile per-packet one-way delay: 24.422 ms
Loss rate: 1.02%
```

Run 5: Report of Indigo-MusesC3 — Data Link

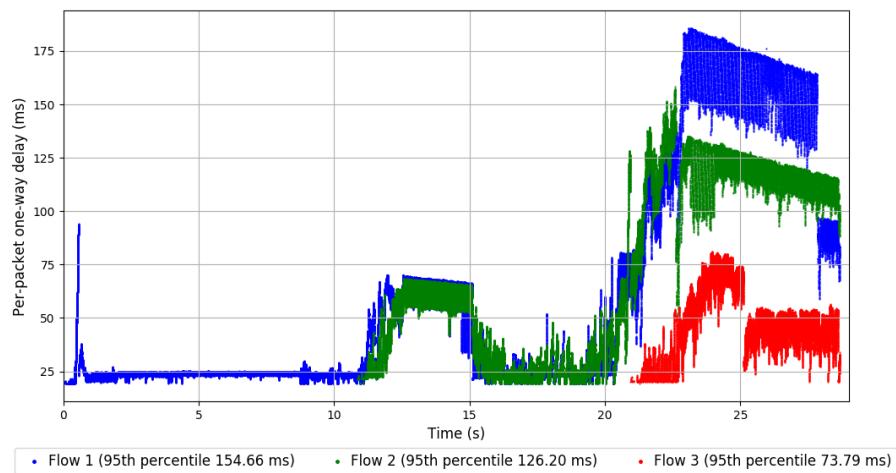
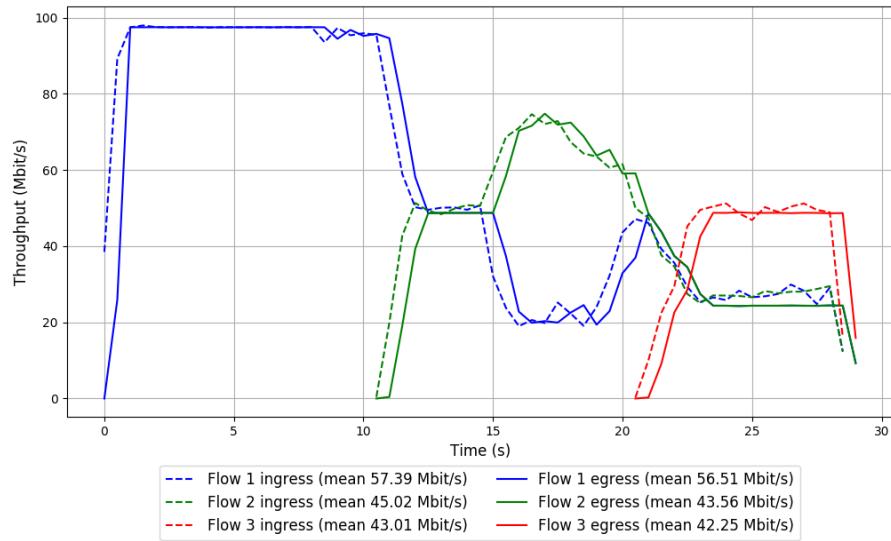


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 16:11:38
End at: 2019-11-24 16:12:08
Local clock offset: 2.856 ms
Remote clock offset: -4.353 ms

# Below is generated by plot.py at 2019-11-24 18:33:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.08 Mbit/s
95th percentile per-packet one-way delay: 133.390 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 56.51 Mbit/s
95th percentile per-packet one-way delay: 154.658 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 43.56 Mbit/s
95th percentile per-packet one-way delay: 126.196 ms
Loss rate: 3.46%
-- Flow 3:
Average throughput: 42.25 Mbit/s
95th percentile per-packet one-way delay: 73.791 ms
Loss rate: 2.18%
```

Run 1: Report of Indigo-MusesC5 — Data Link

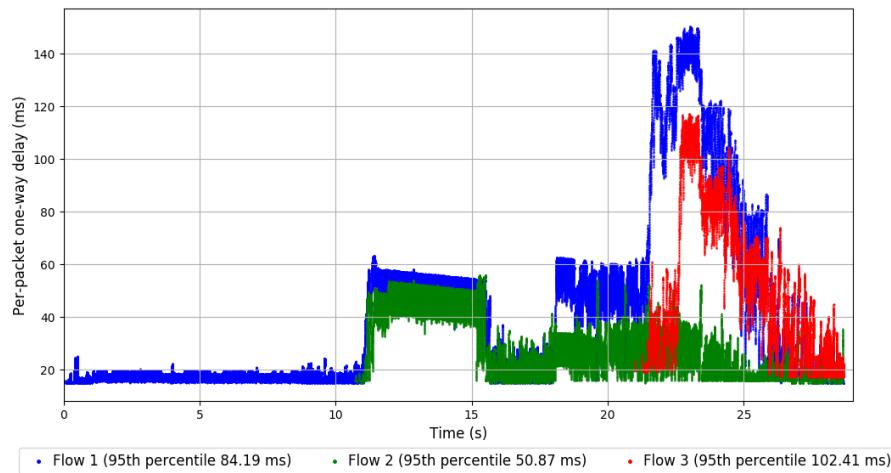
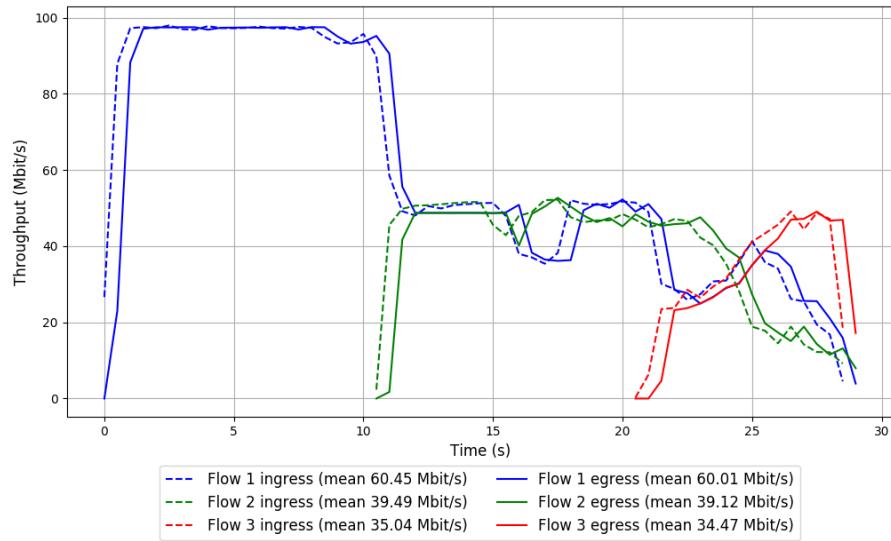


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 16:42:15
End at: 2019-11-24 16:42:45
Local clock offset: 2.423 ms
Remote clock offset: -3.22 ms

# Below is generated by plot.py at 2019-11-24 18:33:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.84 Mbit/s
95th percentile per-packet one-way delay: 79.062 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 60.01 Mbit/s
95th percentile per-packet one-way delay: 84.185 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 50.874 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 34.47 Mbit/s
95th percentile per-packet one-way delay: 102.409 ms
Loss rate: 2.21%
```

Run 2: Report of Indigo-MusesC5 — Data Link

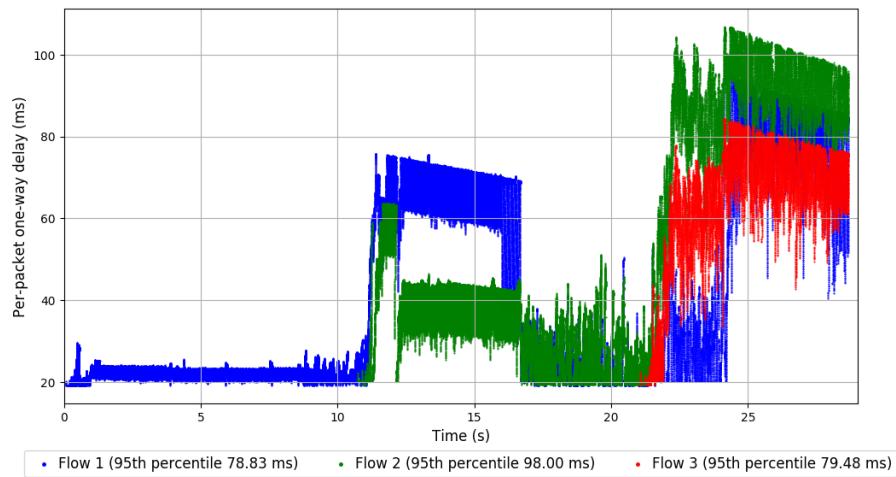
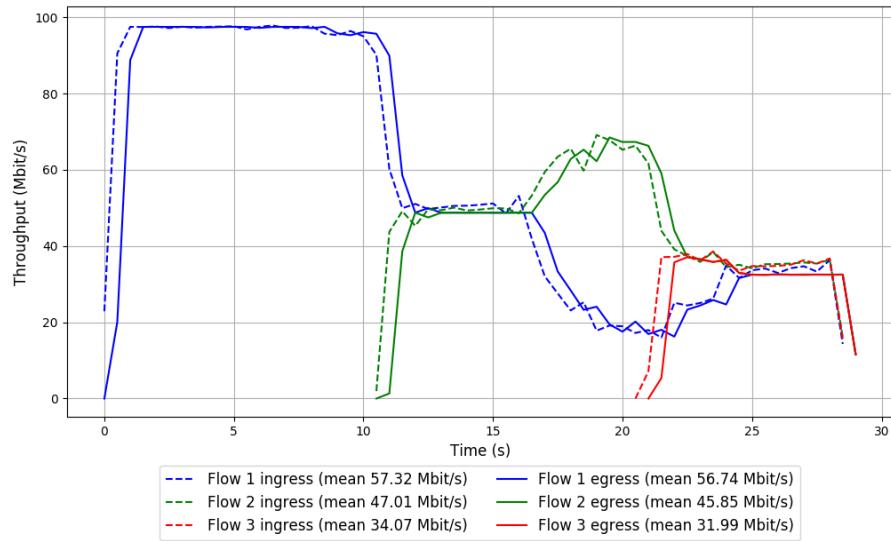


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 17:13:32
End at: 2019-11-24 17:14:02
Local clock offset: 4.3 ms
Remote clock offset: -5.464 ms

# Below is generated by plot.py at 2019-11-24 18:33:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 89.436 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 56.74 Mbit/s
95th percentile per-packet one-way delay: 78.828 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 45.85 Mbit/s
95th percentile per-packet one-way delay: 97.996 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 31.99 Mbit/s
95th percentile per-packet one-way delay: 79.483 ms
Loss rate: 6.67%
```

Run 3: Report of Indigo-MusesC5 — Data Link

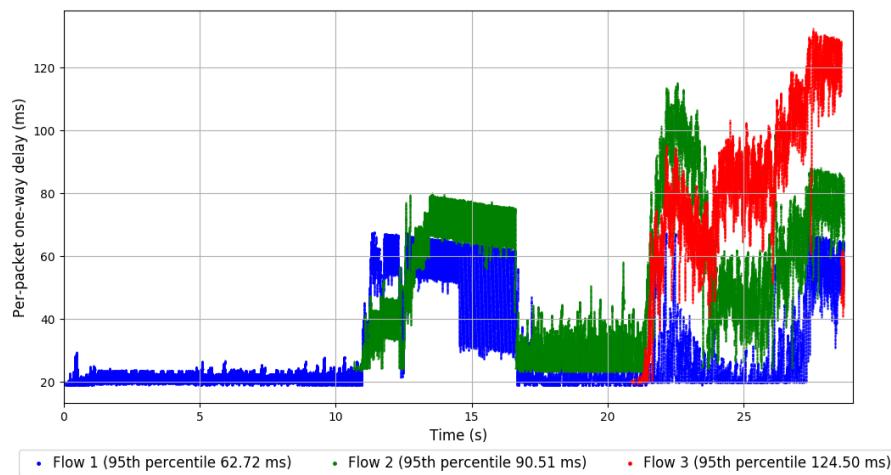
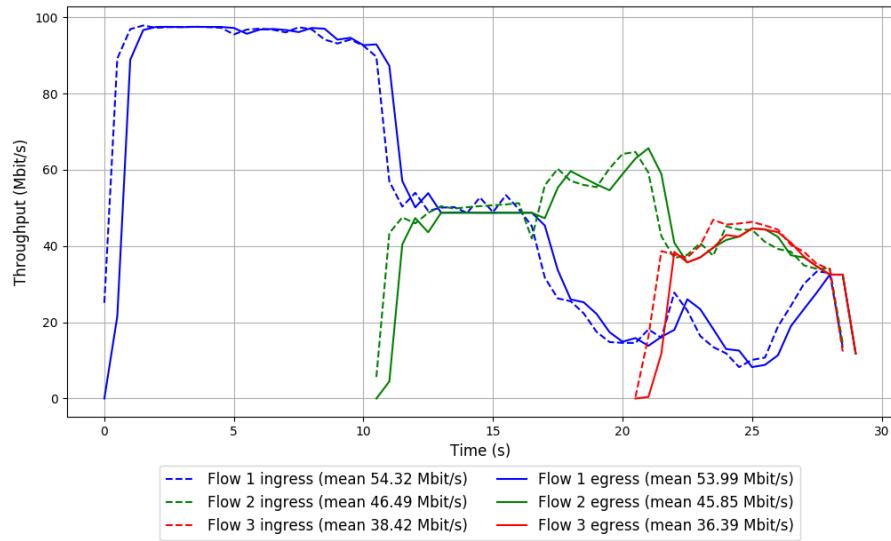


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 17:45:03
End at: 2019-11-24 17:45:33
Local clock offset: 2.858 ms
Remote clock offset: -7.037 ms

# Below is generated by plot.py at 2019-11-24 18:33:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.85 Mbit/s
95th percentile per-packet one-way delay: 92.001 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 53.99 Mbit/s
95th percentile per-packet one-way delay: 62.721 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 45.85 Mbit/s
95th percentile per-packet one-way delay: 90.512 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 36.39 Mbit/s
95th percentile per-packet one-way delay: 124.496 ms
Loss rate: 5.73%
```

Run 4: Report of Indigo-MusesC5 — Data Link

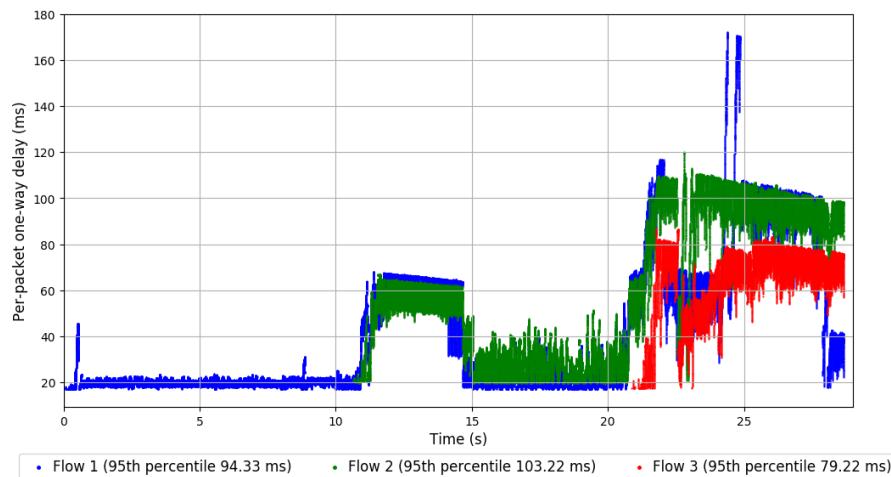
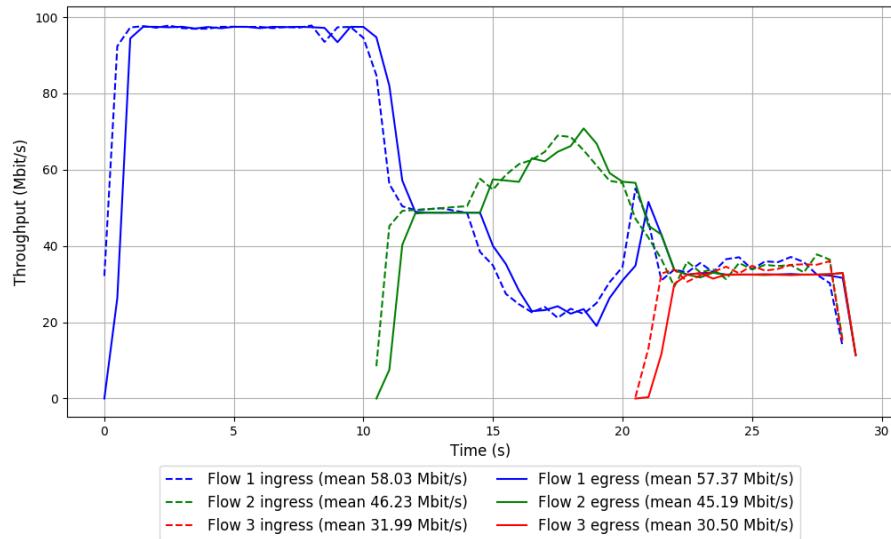


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 18:18:10
End at: 2019-11-24 18:18:40
Local clock offset: 2.376 ms
Remote clock offset: -5.397 ms

# Below is generated by plot.py at 2019-11-24 18:33:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 99.123 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 57.37 Mbit/s
95th percentile per-packet one-way delay: 94.333 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 45.19 Mbit/s
95th percentile per-packet one-way delay: 103.220 ms
Loss rate: 2.50%
-- Flow 3:
Average throughput: 30.50 Mbit/s
95th percentile per-packet one-way delay: 79.220 ms
Loss rate: 5.28%
```

Run 5: Report of Indigo-MusesC5 — Data Link

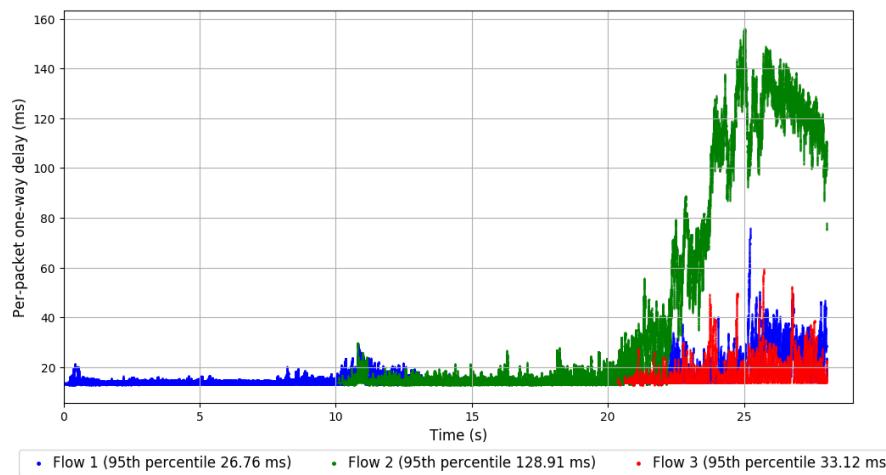
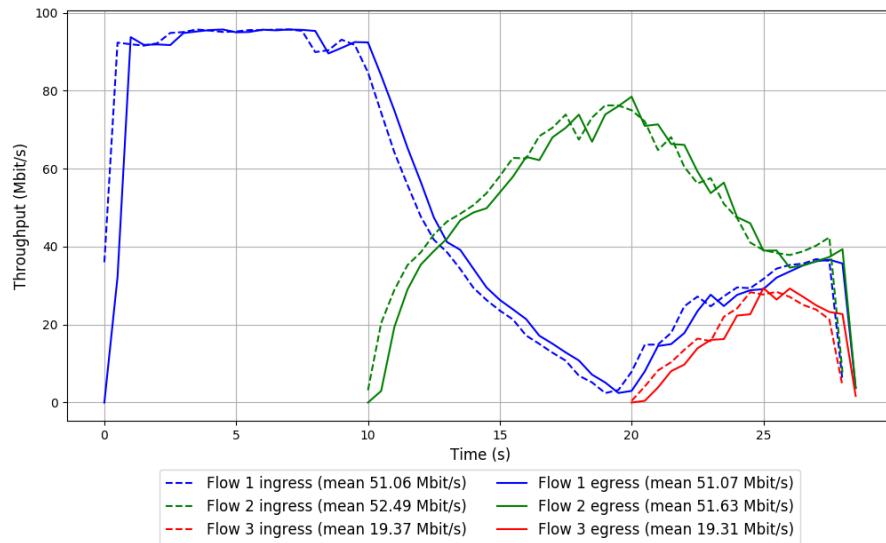


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 15:58:04
End at: 2019-11-24 15:58:34
Local clock offset: -0.474 ms
Remote clock offset: -0.997 ms

# Below is generated by plot.py at 2019-11-24 18:33:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.56 Mbit/s
95th percentile per-packet one-way delay: 111.091 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 51.07 Mbit/s
95th percentile per-packet one-way delay: 26.761 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 51.63 Mbit/s
95th percentile per-packet one-way delay: 128.909 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 19.31 Mbit/s
95th percentile per-packet one-way delay: 33.124 ms
Loss rate: 0.96%
```

Run 1: Report of Indigo-MusesD — Data Link

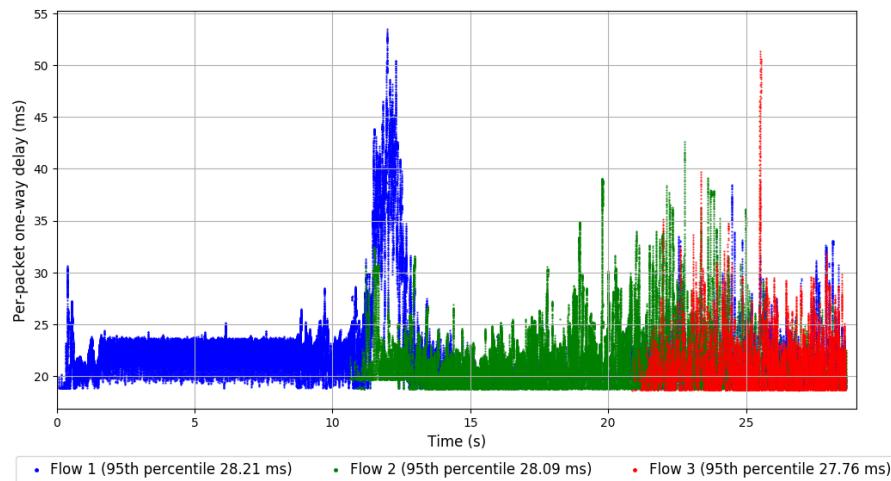
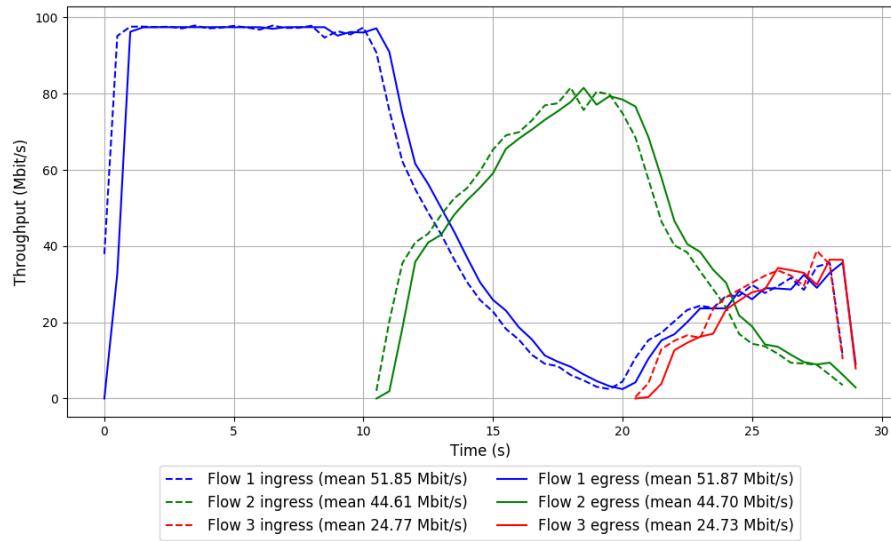


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 16:28:18
End at: 2019-11-24 16:28:48
Local clock offset: 4.52 ms
Remote clock offset: -3.509 ms

# Below is generated by plot.py at 2019-11-24 18:33:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 28.082 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 51.87 Mbit/s
95th percentile per-packet one-way delay: 28.208 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 44.70 Mbit/s
95th percentile per-packet one-way delay: 28.086 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 27.757 ms
Loss rate: 1.06%
```

Run 2: Report of Indigo-MusesD — Data Link

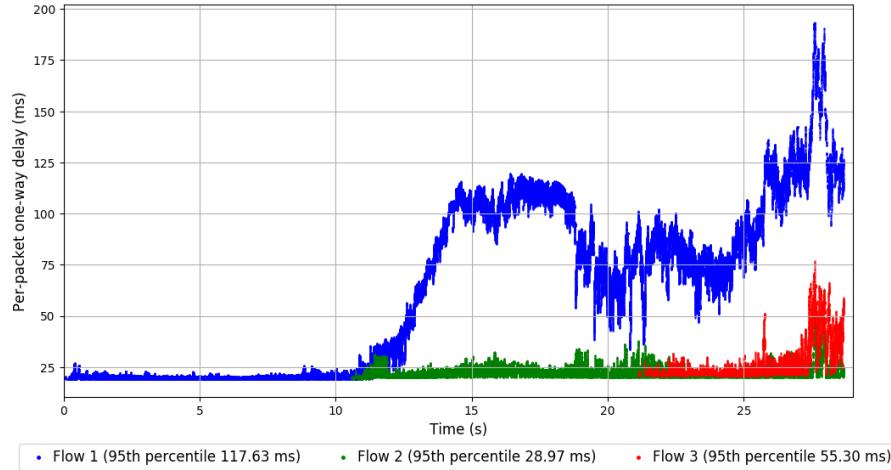
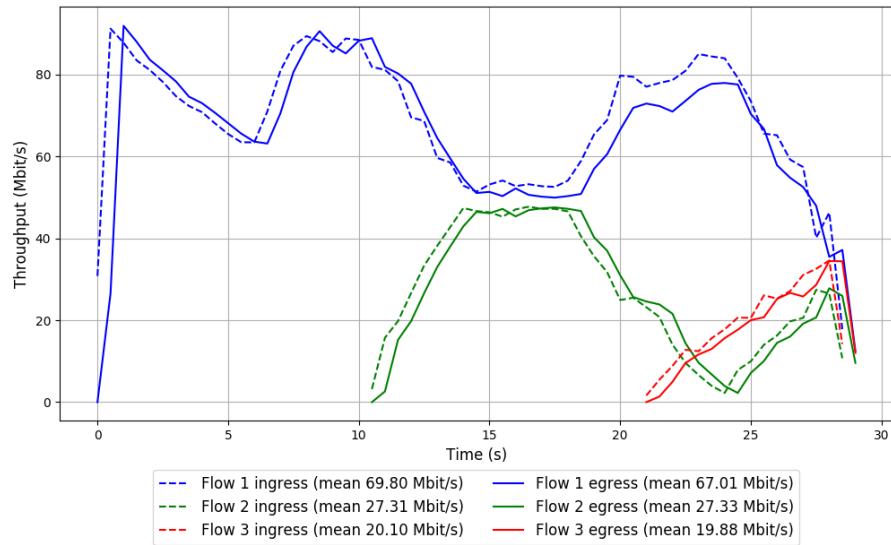


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 16:59:09
End at: 2019-11-24 16:59:39
Local clock offset: 4.765 ms
Remote clock offset: -4.355 ms

# Below is generated by plot.py at 2019-11-24 18:33:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 114.606 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 67.01 Mbit/s
95th percentile per-packet one-way delay: 117.631 ms
Loss rate: 4.16%
-- Flow 2:
Average throughput: 27.33 Mbit/s
95th percentile per-packet one-way delay: 28.971 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 19.88 Mbit/s
95th percentile per-packet one-way delay: 55.301 ms
Loss rate: 1.59%
```

Run 3: Report of Indigo-MusesD — Data Link

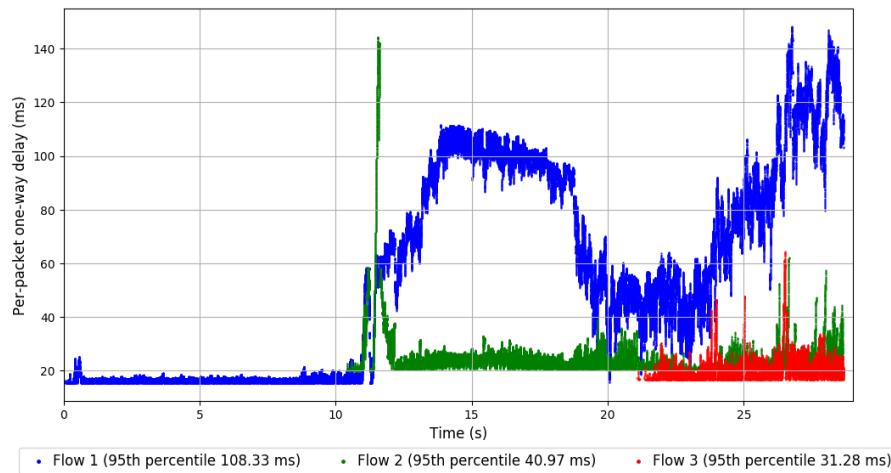
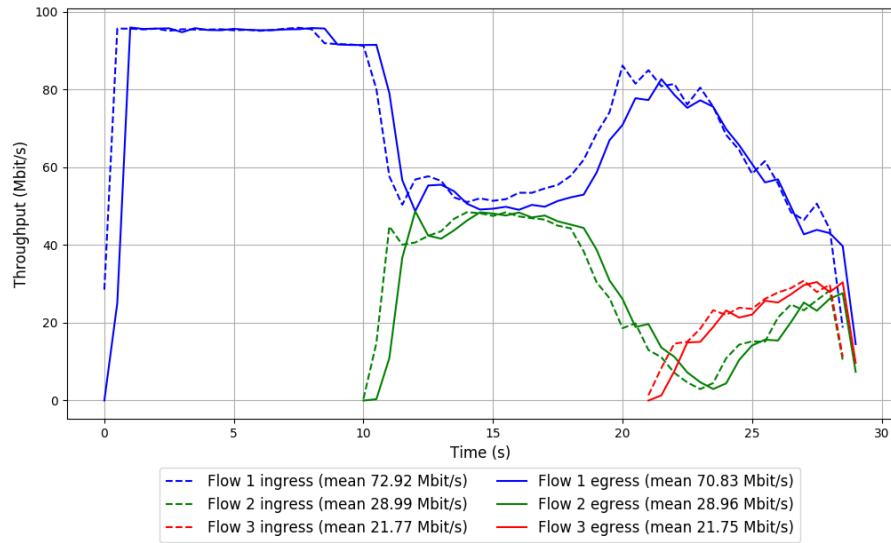


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 17:30:44
End at: 2019-11-24 17:31:14
Local clock offset: -0.137 ms
Remote clock offset: -5.184 ms

# Below is generated by plot.py at 2019-11-24 18:34:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 106.177 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 70.83 Mbit/s
95th percentile per-packet one-way delay: 108.335 ms
Loss rate: 3.02%
-- Flow 2:
Average throughput: 28.96 Mbit/s
95th percentile per-packet one-way delay: 40.971 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 21.75 Mbit/s
95th percentile per-packet one-way delay: 31.278 ms
Loss rate: 0.76%
```

Run 4: Report of Indigo-MusesD — Data Link

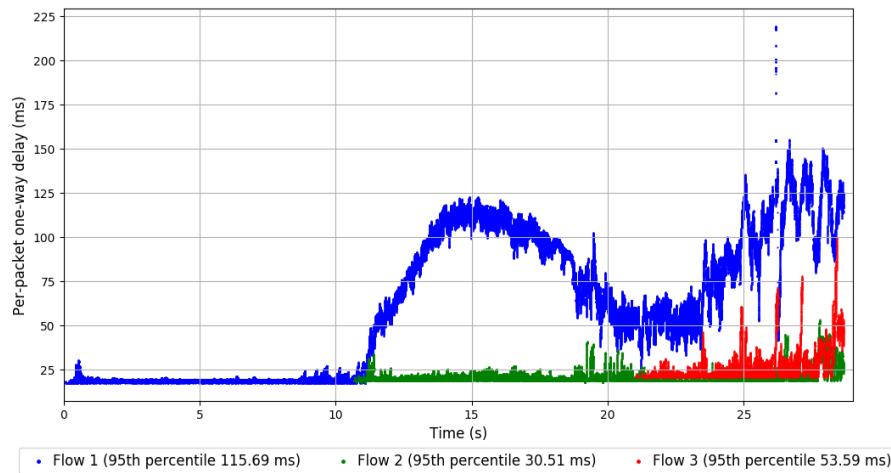
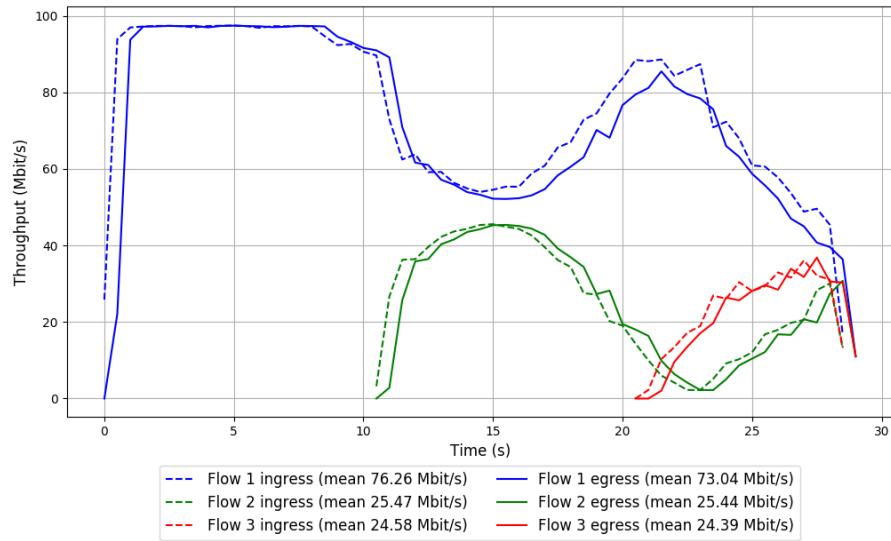


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 18:03:16
End at: 2019-11-24 18:03:46
Local clock offset: 5.385 ms
Remote clock offset: -3.932 ms

# Below is generated by plot.py at 2019-11-24 18:34:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 113.386 ms
Loss rate: 3.52%
-- Flow 1:
Average throughput: 73.04 Mbit/s
95th percentile per-packet one-way delay: 115.692 ms
Loss rate: 4.36%
-- Flow 2:
Average throughput: 25.44 Mbit/s
95th percentile per-packet one-way delay: 30.506 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 53.589 ms
Loss rate: 1.44%
```

Run 5: Report of Indigo-MusesD — Data Link

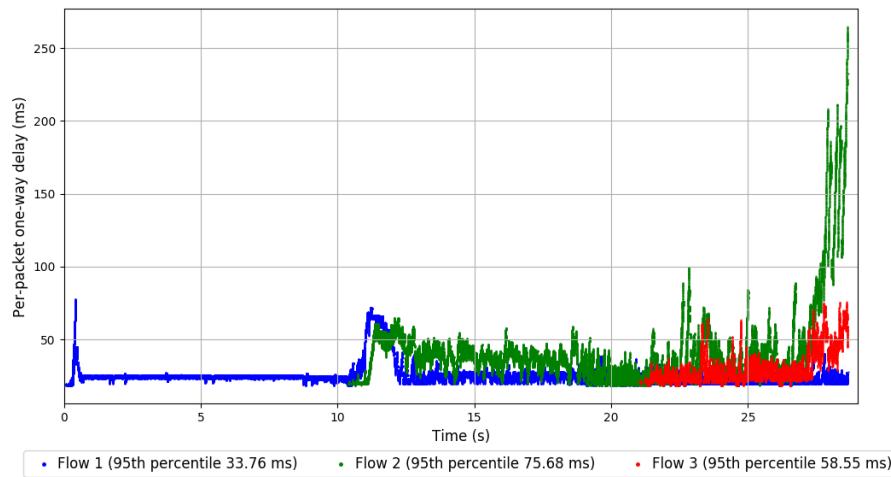
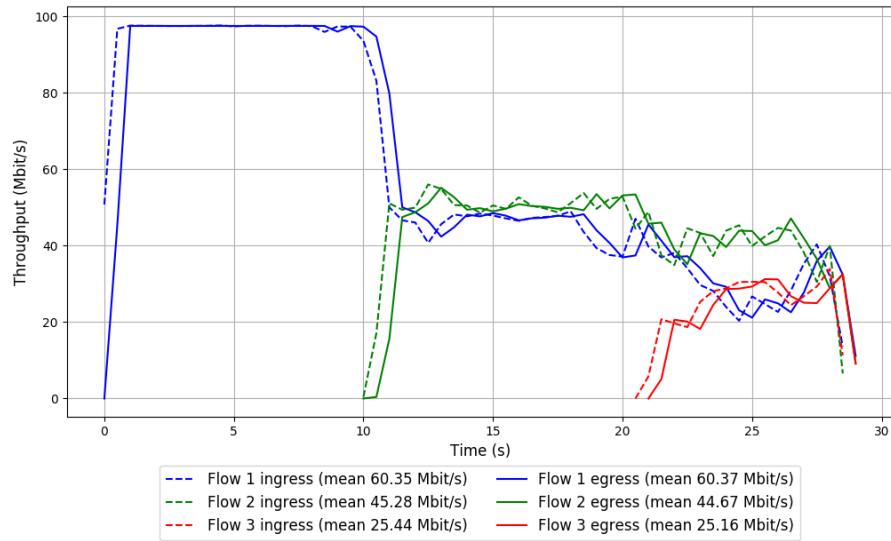


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 16:06:38
End at: 2019-11-24 16:07:08
Local clock offset: 2.6 ms
Remote clock offset: -2.942 ms

# Below is generated by plot.py at 2019-11-24 18:34:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 55.304 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 60.37 Mbit/s
95th percentile per-packet one-way delay: 33.757 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 44.67 Mbit/s
95th percentile per-packet one-way delay: 75.676 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 58.553 ms
Loss rate: 1.81%
```

Run 1: Report of Indigo-MusesT — Data Link

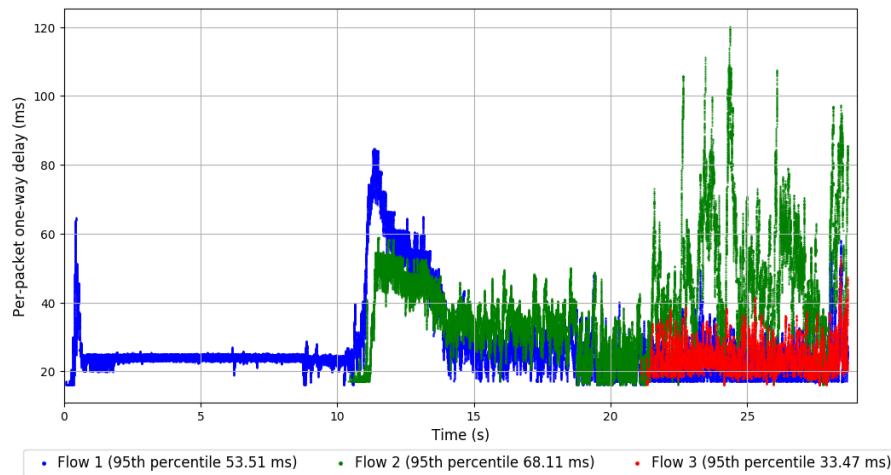
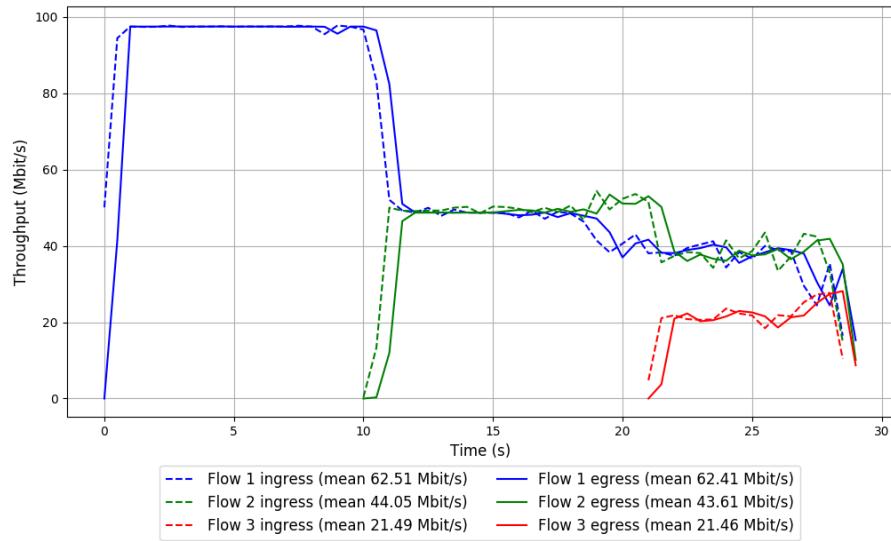


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 16:37:12
End at: 2019-11-24 16:37:42
Local clock offset: 3.159 ms
Remote clock offset: -2.578 ms

# Below is generated by plot.py at 2019-11-24 18:34:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 58.132 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 62.41 Mbit/s
95th percentile per-packet one-way delay: 53.511 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 43.61 Mbit/s
95th percentile per-packet one-way delay: 68.107 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 21.46 Mbit/s
95th percentile per-packet one-way delay: 33.472 ms
Loss rate: 0.77%
```

Run 2: Report of Indigo-MusesT — Data Link

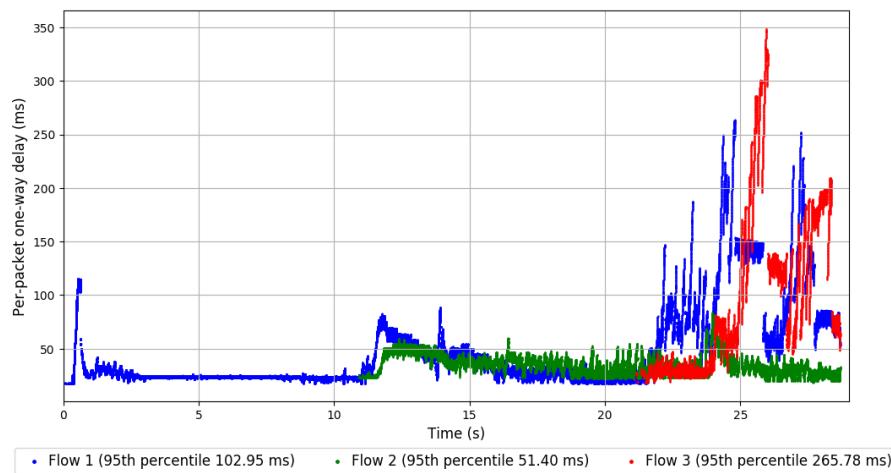
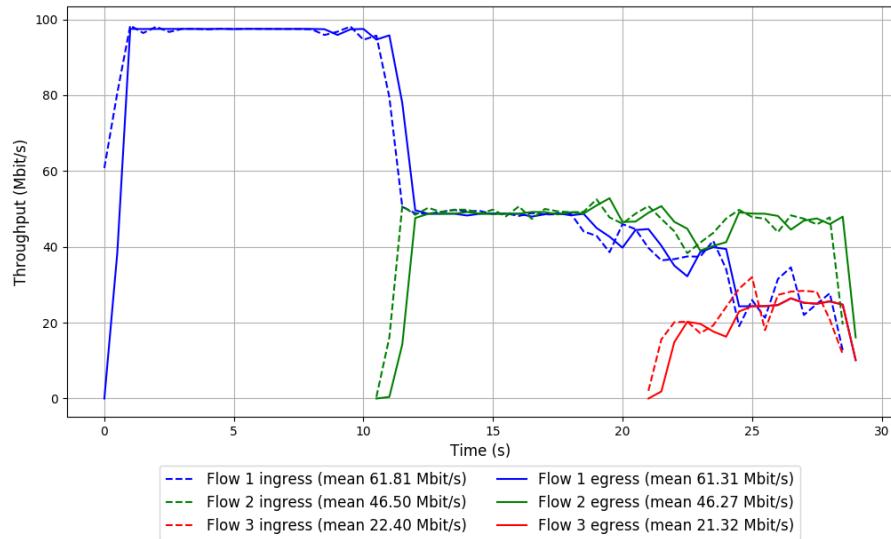


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 17:08:02
End at: 2019-11-24 17:08:32
Local clock offset: 5.644 ms
Remote clock offset: -3.058 ms

# Below is generated by plot.py at 2019-11-24 18:34:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 114.398 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 61.31 Mbit/s
95th percentile per-packet one-way delay: 102.955 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 46.27 Mbit/s
95th percentile per-packet one-way delay: 51.403 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 21.32 Mbit/s
95th percentile per-packet one-way delay: 265.778 ms
Loss rate: 5.30%
```

Run 3: Report of Indigo-MusesT — Data Link

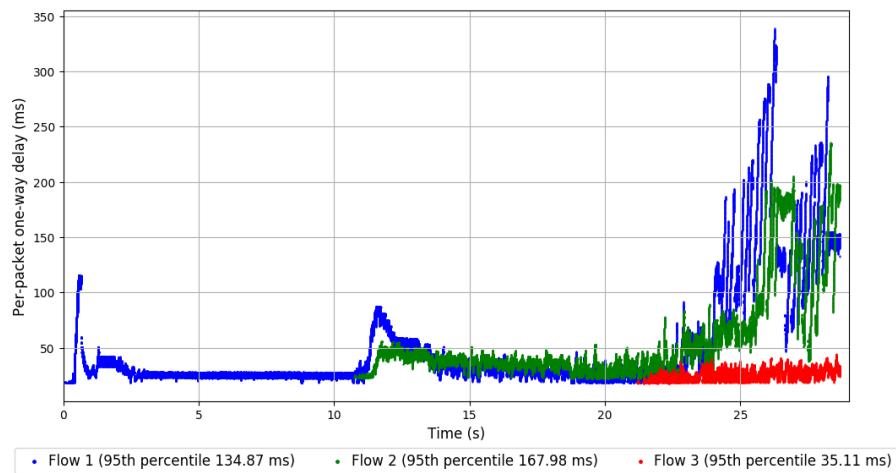
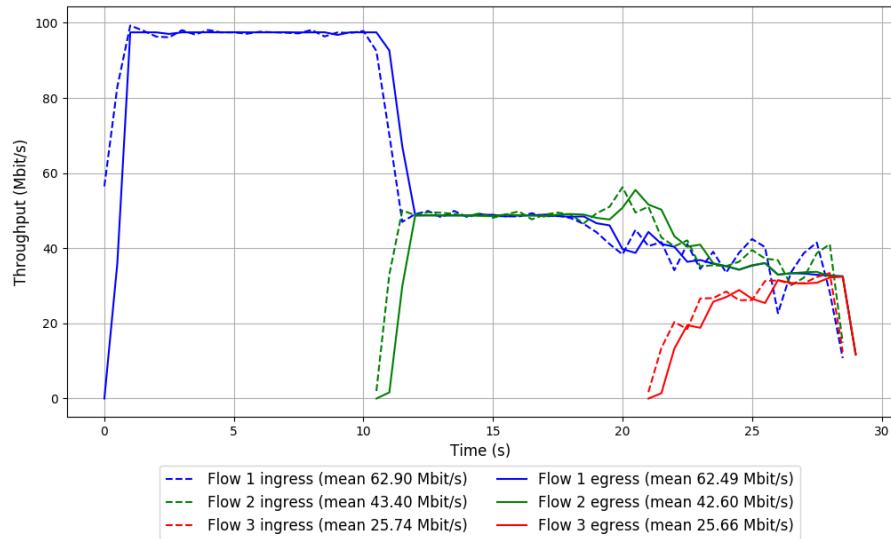


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 17:39:46
End at: 2019-11-24 17:40:16
Local clock offset: 2.457 ms
Remote clock offset: -5.491 ms

# Below is generated by plot.py at 2019-11-24 18:34:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 138.443 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 62.49 Mbit/s
95th percentile per-packet one-way delay: 134.865 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 167.980 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 25.66 Mbit/s
95th percentile per-packet one-way delay: 35.110 ms
Loss rate: 0.95%
```

Run 4: Report of Indigo-MusesT — Data Link

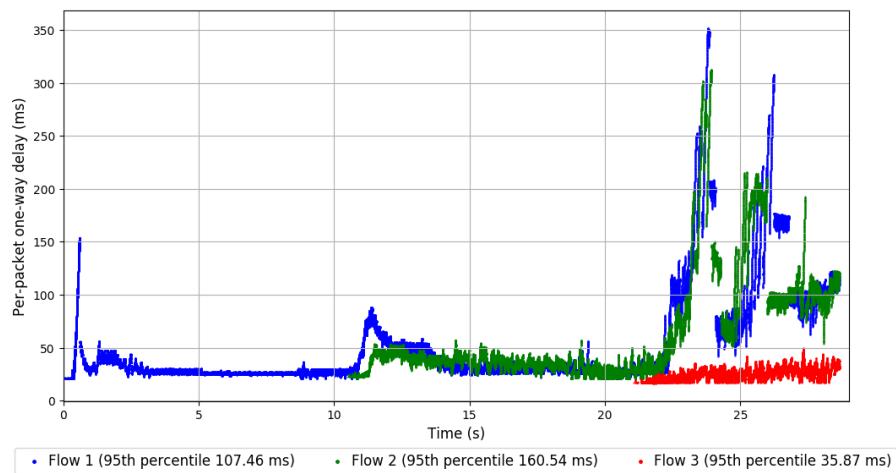
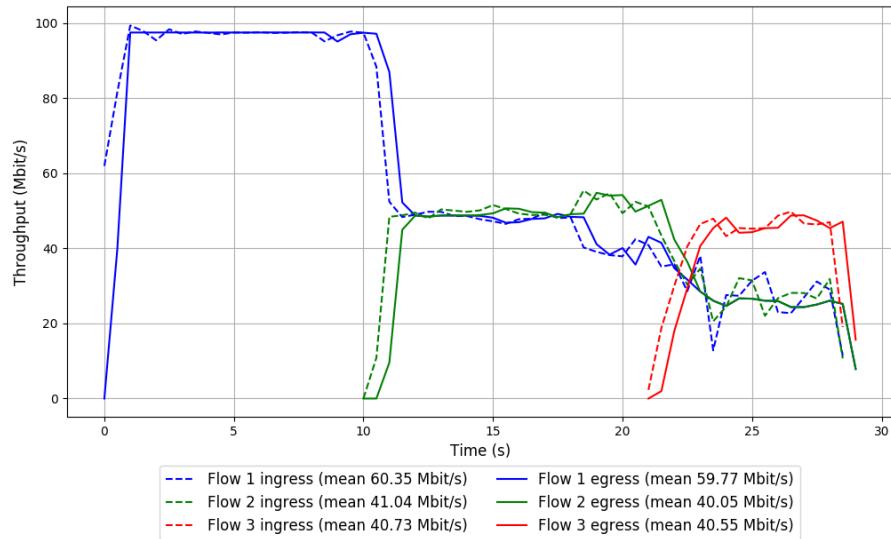


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 18:12:30
End at: 2019-11-24 18:13:00
Local clock offset: 2.574 ms
Remote clock offset: -5.467 ms

# Below is generated by plot.py at 2019-11-24 18:34:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 113.639 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 59.77 Mbit/s
95th percentile per-packet one-way delay: 107.457 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 160.538 ms
Loss rate: 2.66%
-- Flow 3:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 35.870 ms
Loss rate: 1.09%
```

Run 5: Report of Indigo-MusesT — Data Link

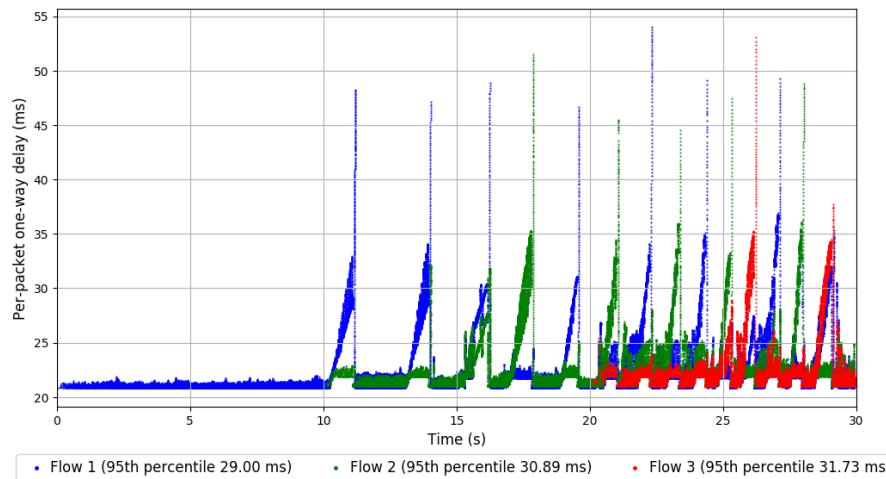
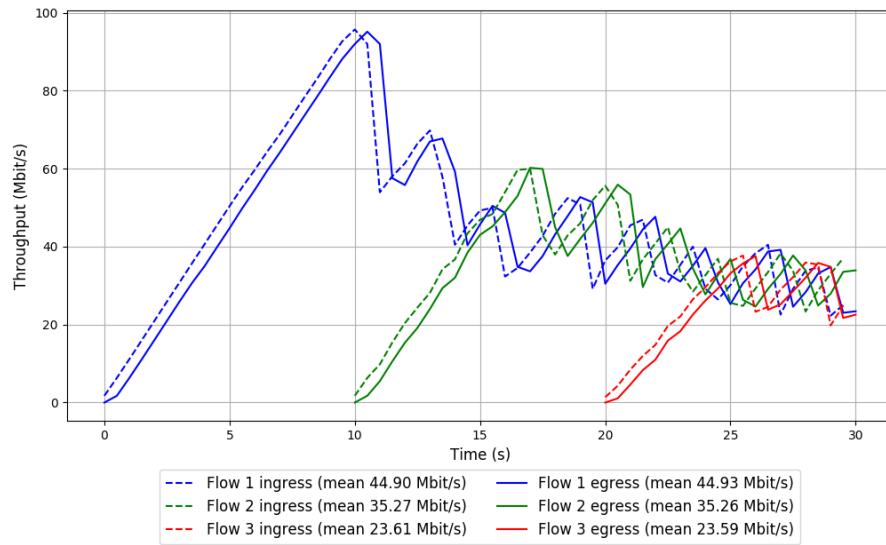


Run 1: Statistics of LEDBAT

```
Start at: 2019-11-24 16:07:52
End at: 2019-11-24 16:08:22
Local clock offset: 3.037 ms
Remote clock offset: -5.247 ms

# Below is generated by plot.py at 2019-11-24 18:34:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.22 Mbit/s
95th percentile per-packet one-way delay: 29.807 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 44.93 Mbit/s
95th percentile per-packet one-way delay: 29.003 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 35.26 Mbit/s
95th percentile per-packet one-way delay: 30.889 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 31.725 ms
Loss rate: 0.56%
```

Run 1: Report of LEDBAT — Data Link

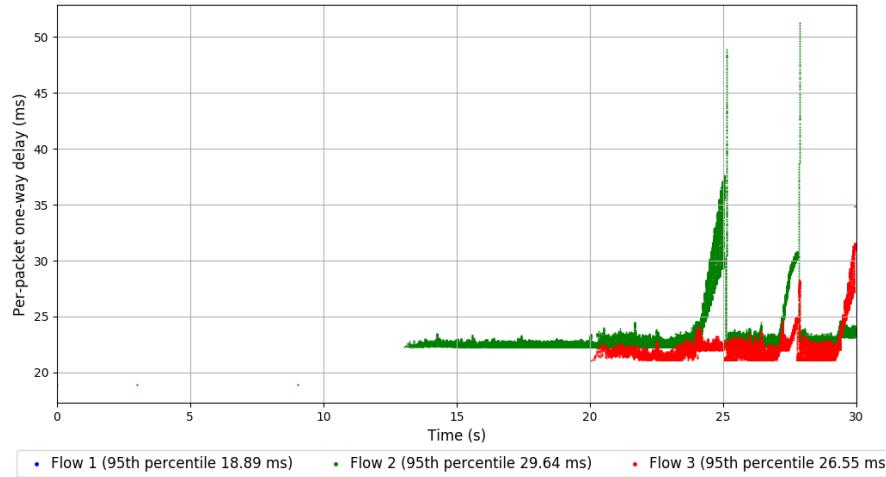
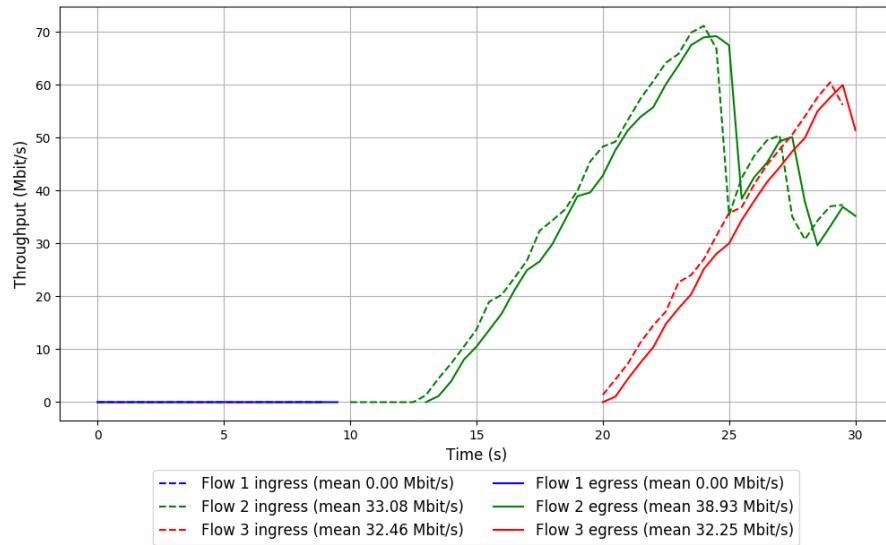


Run 2: Statistics of LEDBAT

```
Start at: 2019-11-24 16:38:31
End at: 2019-11-24 16:39:01
Local clock offset: 4.484 ms
Remote clock offset: -4.198 ms

# Below is generated by plot.py at 2019-11-24 18:34:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 28.948 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 18.890 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 29.637 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 26.555 ms
Loss rate: 1.11%
```

Run 2: Report of LEDBAT — Data Link

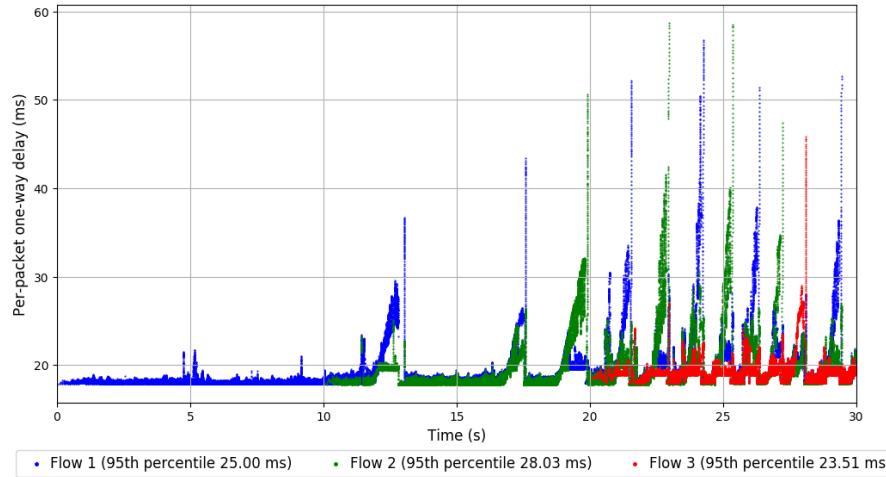
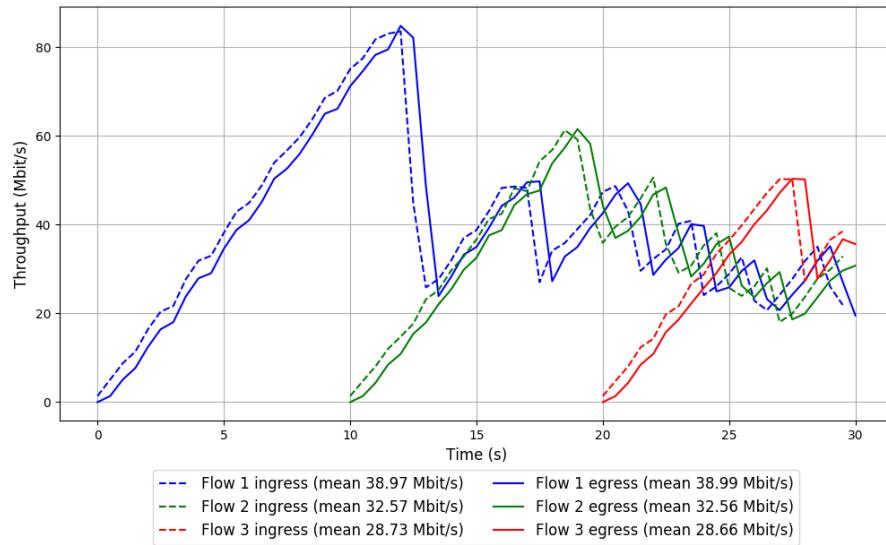


Run 3: Statistics of LEDBAT

```
Start at: 2019-11-24 17:09:26
End at: 2019-11-24 17:09:56
Local clock offset: 3.538 ms
Remote clock offset: -4.286 ms

# Below is generated by plot.py at 2019-11-24 18:35:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.16 Mbit/s
95th percentile per-packet one-way delay: 25.694 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 38.99 Mbit/s
95th percentile per-packet one-way delay: 25.002 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 28.028 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 28.66 Mbit/s
95th percentile per-packet one-way delay: 23.514 ms
Loss rate: 0.73%
```

Run 3: Report of LEDBAT — Data Link

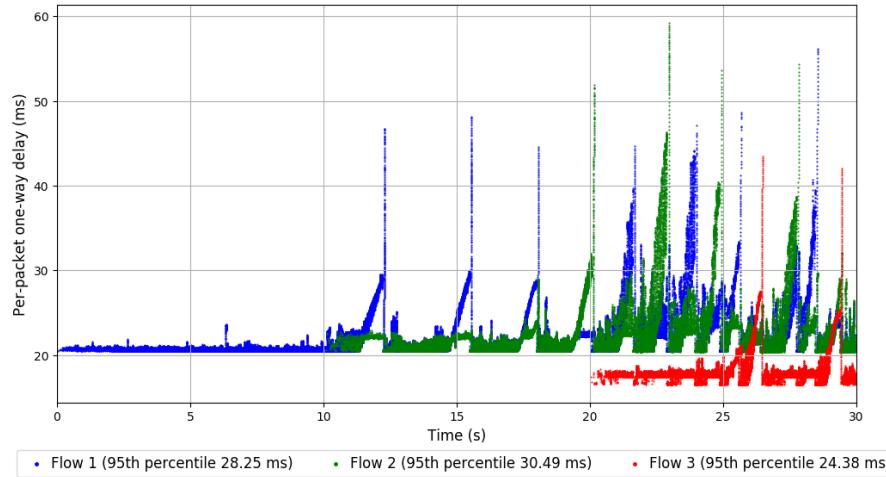
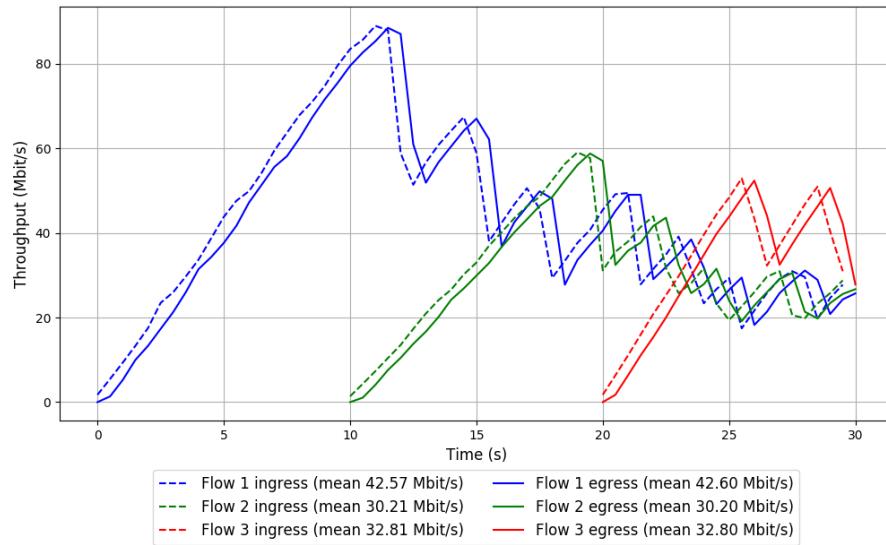


Run 4: Statistics of LEDBAT

```
Start at: 2019-11-24 17:41:03
End at: 2019-11-24 17:41:33
Local clock offset: -0.574 ms
Remote clock offset: -6.938 ms

# Below is generated by plot.py at 2019-11-24 18:35:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.58 Mbit/s
95th percentile per-packet one-way delay: 28.304 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 28.253 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 30.20 Mbit/s
95th percentile per-packet one-way delay: 30.492 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 32.80 Mbit/s
95th percentile per-packet one-way delay: 24.382 ms
Loss rate: 0.52%
```

Run 4: Report of LEDBAT — Data Link

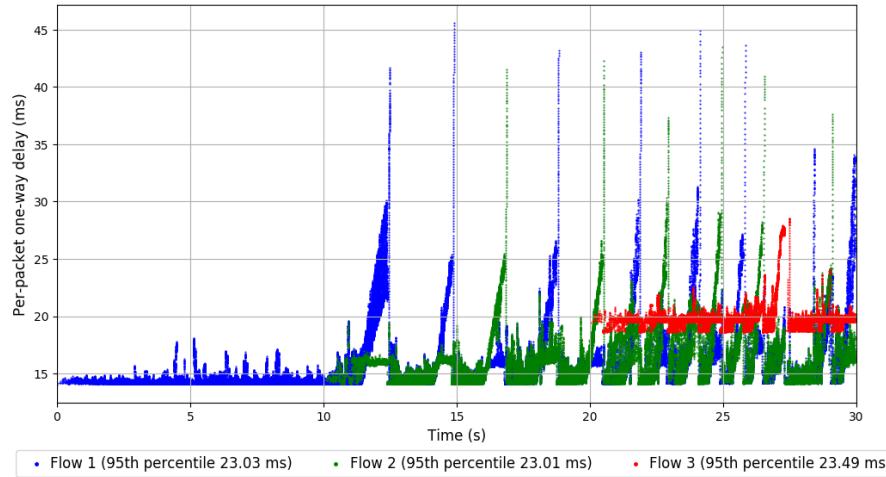
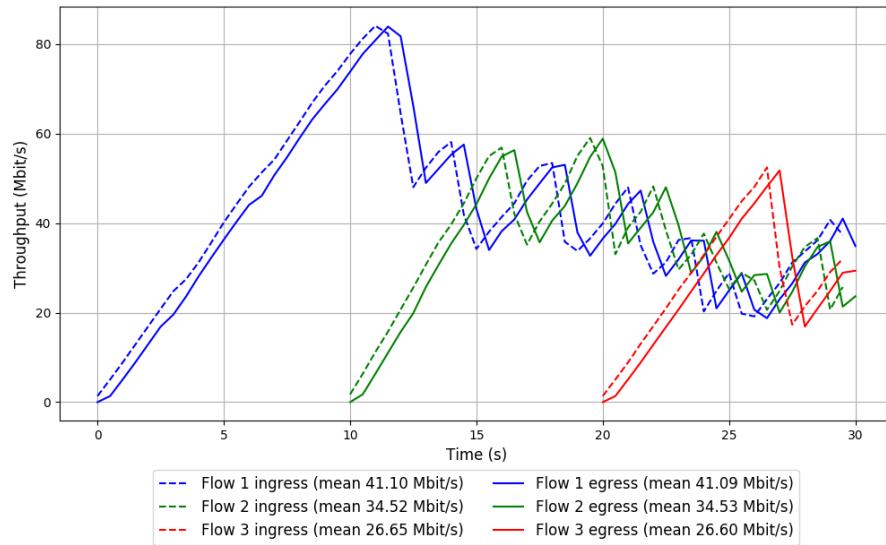


Run 5: Statistics of LEDBAT

```
Start at: 2019-11-24 18:13:57
End at: 2019-11-24 18:14:27
Local clock offset: 0.697 ms
Remote clock offset: -5.004 ms

# Below is generated by plot.py at 2019-11-24 18:35:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.87 Mbit/s
95th percentile per-packet one-way delay: 23.089 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 41.09 Mbit/s
95th percentile per-packet one-way delay: 23.030 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 23.014 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 26.60 Mbit/s
95th percentile per-packet one-way delay: 23.491 ms
Loss rate: 0.73%
```

Run 5: Report of LEDBAT — Data Link

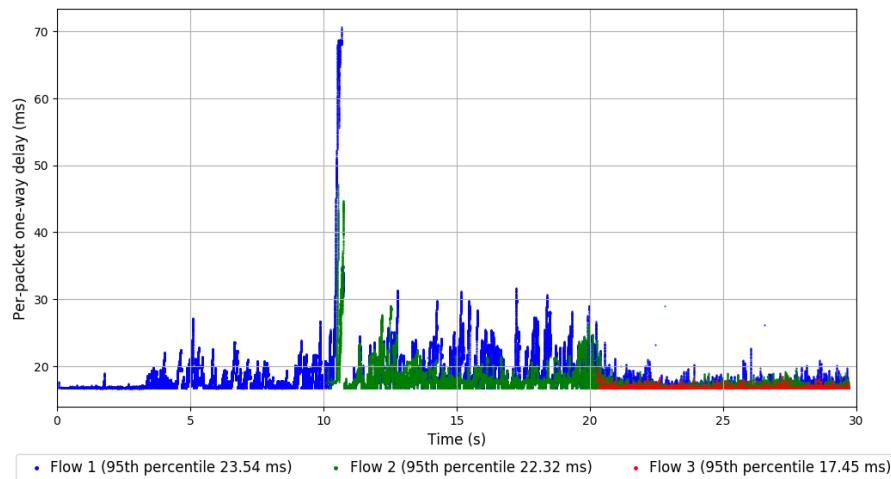
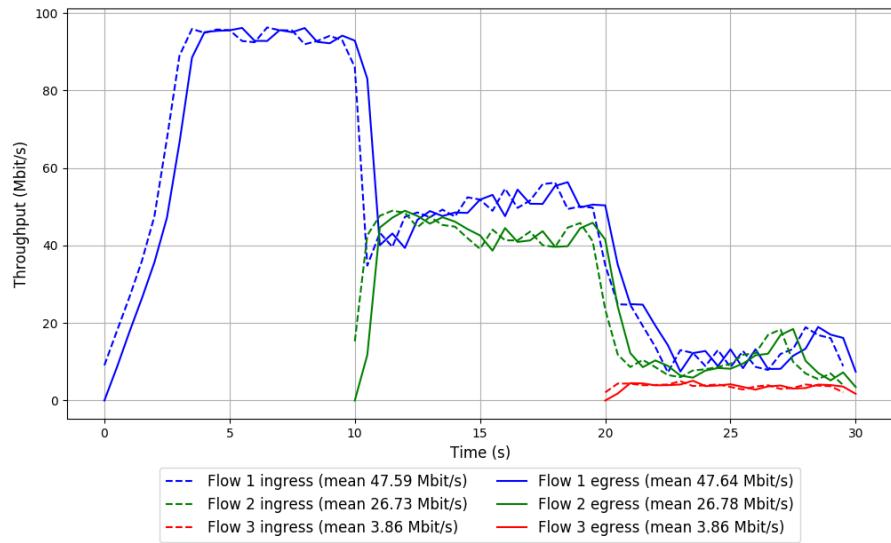


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 16:04:17
End at: 2019-11-24 16:04:47
Local clock offset: -0.184 ms
Remote clock offset: -4.418 ms

# Below is generated by plot.py at 2019-11-24 18:35:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.55 Mbit/s
95th percentile per-packet one-way delay: 23.257 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 47.64 Mbit/s
95th percentile per-packet one-way delay: 23.536 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 26.78 Mbit/s
95th percentile per-packet one-way delay: 22.319 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 17.449 ms
Loss rate: 0.67%
```

Run 1: Report of Muses_DecisionTree — Data Link

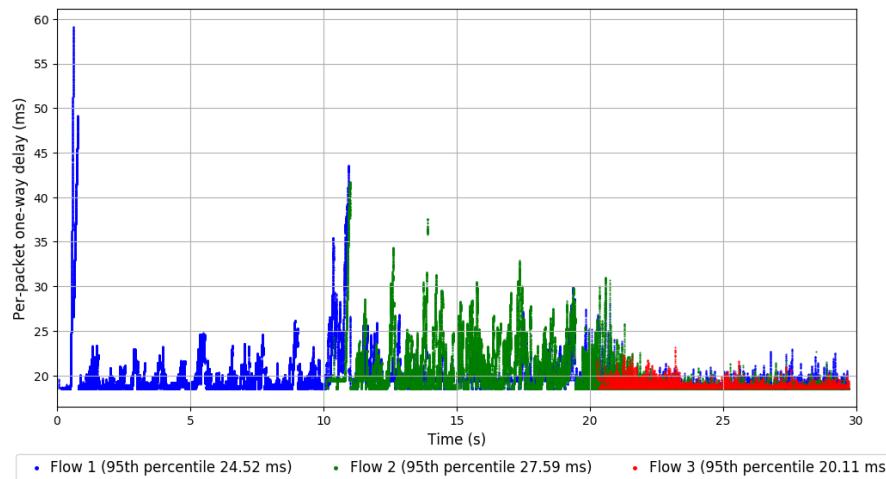
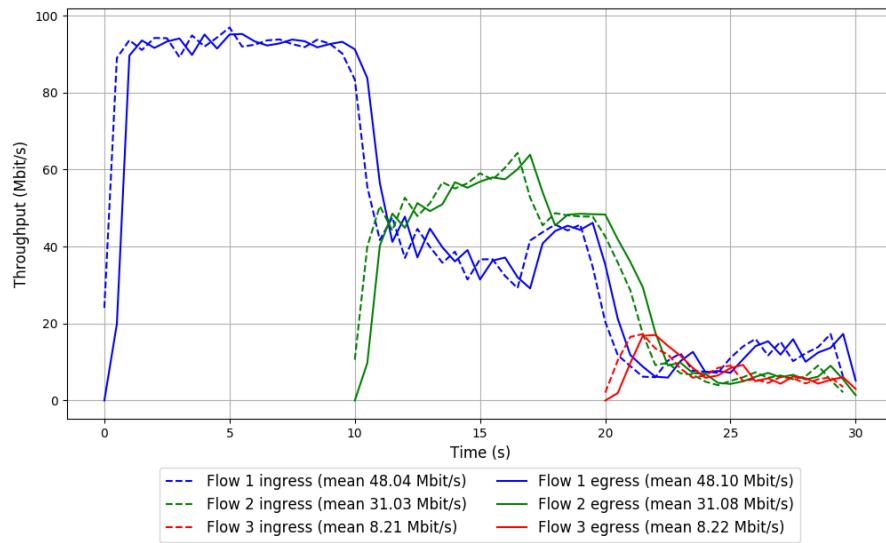


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 16:34:50
End at: 2019-11-24 16:35:20
Local clock offset: 4.531 ms
Remote clock offset: -3.665 ms

# Below is generated by plot.py at 2019-11-24 18:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.30 Mbit/s
95th percentile per-packet one-way delay: 25.743 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 48.10 Mbit/s
95th percentile per-packet one-way delay: 24.516 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 27.594 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 20.113 ms
Loss rate: 0.49%
```

Run 2: Report of Muses_DecisionTree — Data Link

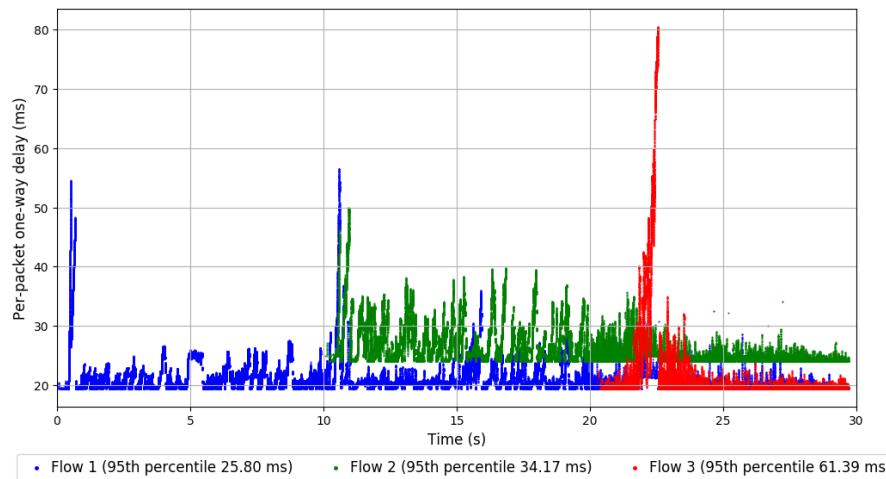
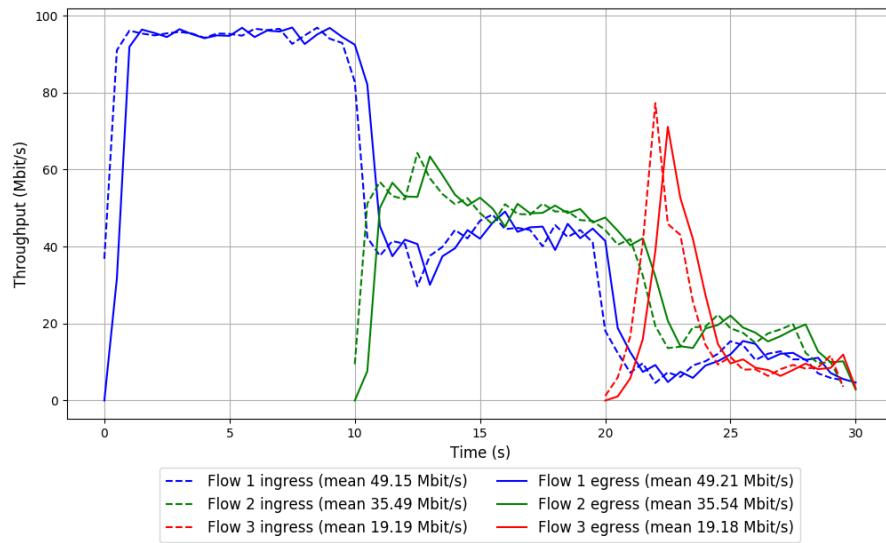


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 17:05:37
End at: 2019-11-24 17:06:07
Local clock offset: 4.536 ms
Remote clock offset: -6.183 ms

# Below is generated by plot.py at 2019-11-24 18:35:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.80 Mbit/s
95th percentile per-packet one-way delay: 32.849 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 25.800 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 34.168 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 19.18 Mbit/s
95th percentile per-packet one-way delay: 61.388 ms
Loss rate: 0.60%
```

Run 3: Report of Muses_DecisionTree — Data Link

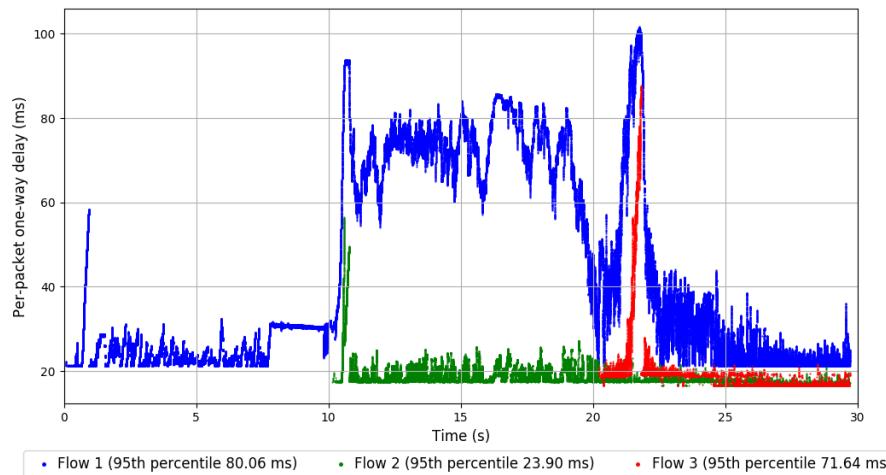
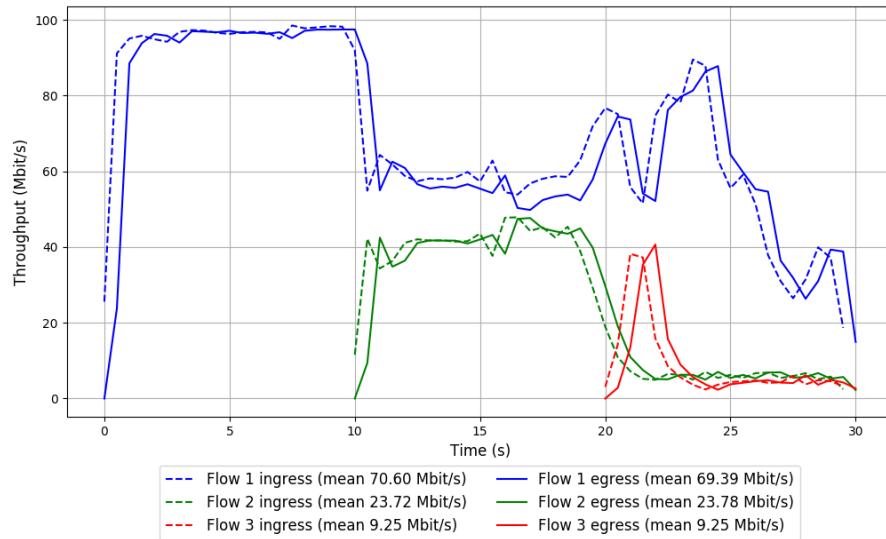


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 17:37:14
End at: 2019-11-24 17:37:44
Local clock offset: 2.522 ms
Remote clock offset: -3.929 ms

# Below is generated by plot.py at 2019-11-24 18:35:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.02 Mbit/s
95th percentile per-packet one-way delay: 78.551 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 69.39 Mbit/s
95th percentile per-packet one-way delay: 80.065 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 23.901 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 9.25 Mbit/s
95th percentile per-packet one-way delay: 71.638 ms
Loss rate: 0.63%
```

Run 4: Report of Muses_DecisionTree — Data Link

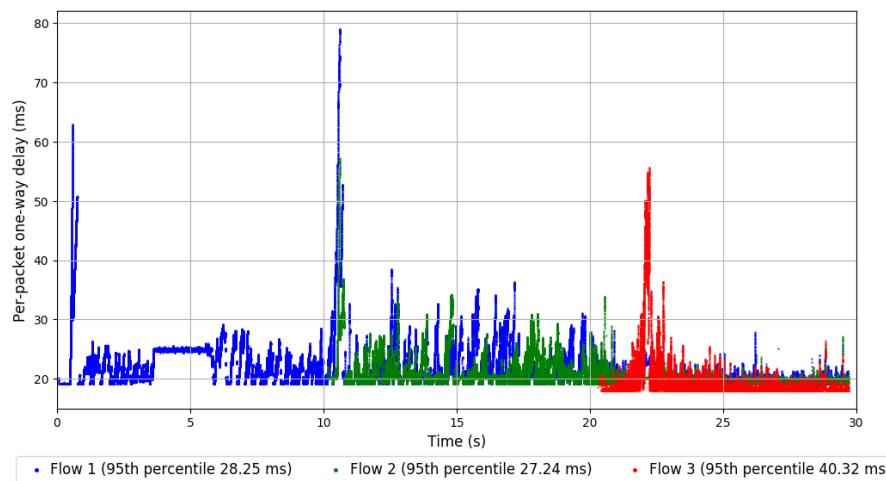
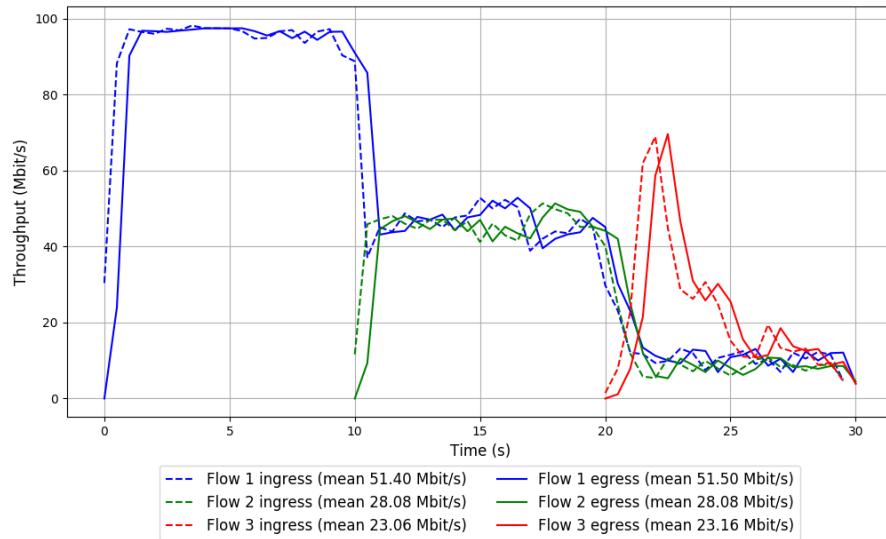


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 18:09:55
End at: 2019-11-24 18:10:25
Local clock offset: 1.422 ms
Remote clock offset: -5.348 ms

# Below is generated by plot.py at 2019-11-24 18:35:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.32 Mbit/s
95th percentile per-packet one-way delay: 28.512 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 51.50 Mbit/s
95th percentile per-packet one-way delay: 28.245 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 28.08 Mbit/s
95th percentile per-packet one-way delay: 27.238 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 40.317 ms
Loss rate: 0.20%
```

Run 5: Report of Muses_DecisionTree — Data Link

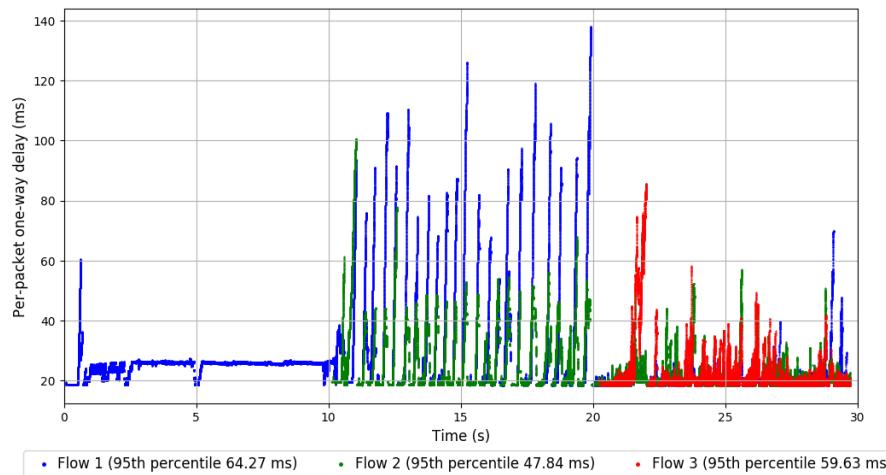
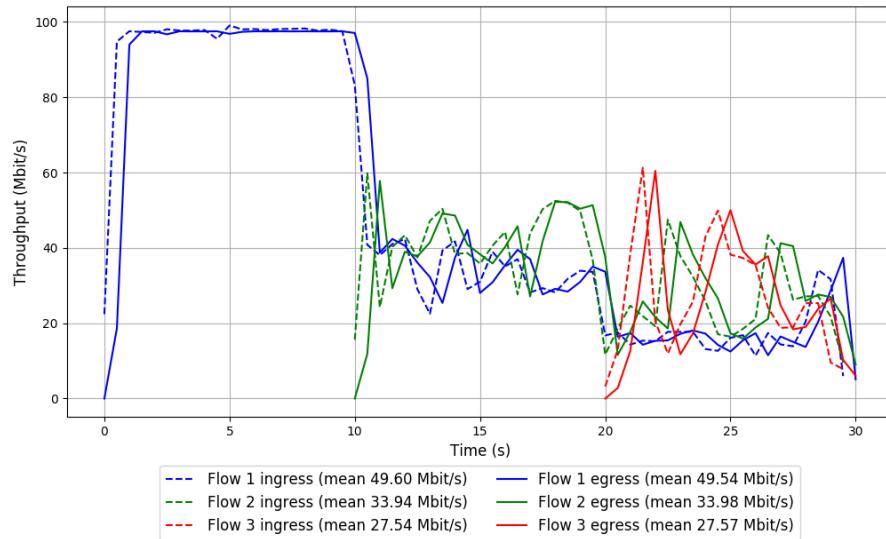


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 16:17:05
End at: 2019-11-24 16:17:35
Local clock offset: 3.754 ms
Remote clock offset: -3.406 ms

# Below is generated by plot.py at 2019-11-24 18:36:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.81 Mbit/s
95th percentile per-packet one-way delay: 56.416 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 49.54 Mbit/s
95th percentile per-packet one-way delay: 64.265 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 33.98 Mbit/s
95th percentile per-packet one-way delay: 47.839 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 27.57 Mbit/s
95th percentile per-packet one-way delay: 59.630 ms
Loss rate: 0.42%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

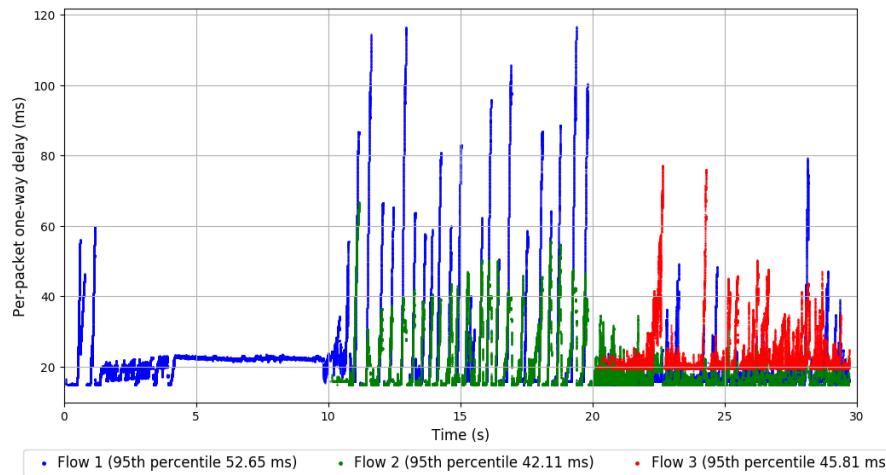
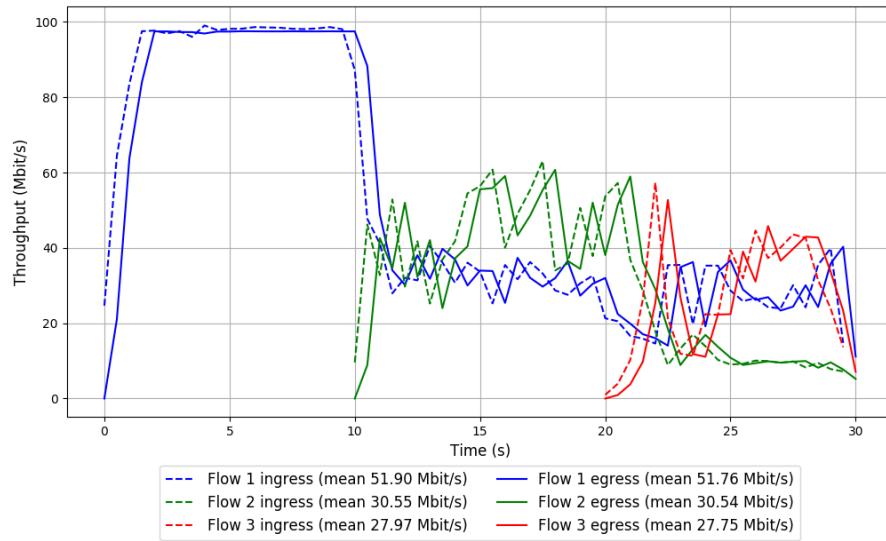


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 16:47:39
End at: 2019-11-24 16:48:09
Local clock offset: 1.488 ms
Remote clock offset: -4.333 ms

# Below is generated by plot.py at 2019-11-24 18:36:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.86 Mbit/s
95th percentile per-packet one-way delay: 47.376 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 51.76 Mbit/s
95th percentile per-packet one-way delay: 52.646 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 30.54 Mbit/s
95th percentile per-packet one-way delay: 42.114 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 27.75 Mbit/s
95th percentile per-packet one-way delay: 45.807 ms
Loss rate: 1.37%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

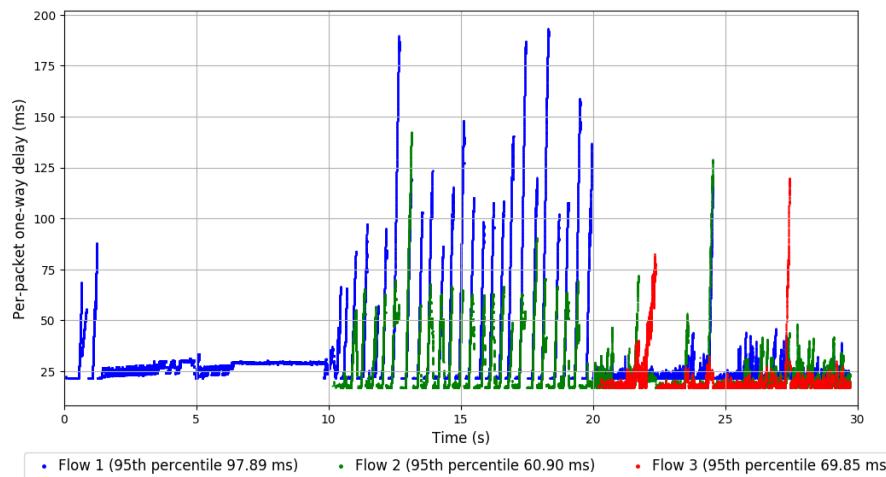
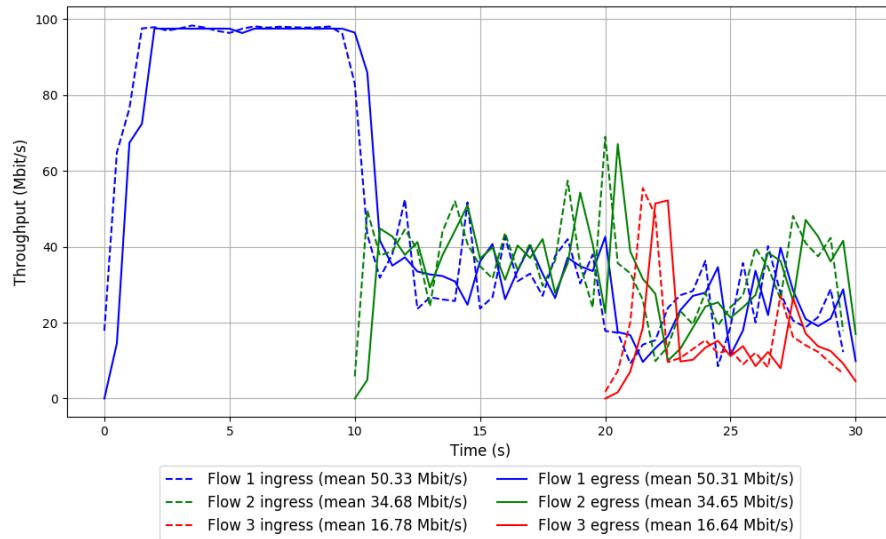


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 17:19:09
End at: 2019-11-24 17:19:39
Local clock offset: 0.489 ms
Remote clock offset: -6.555 ms

# Below is generated by plot.py at 2019-11-24 18:36:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.47 Mbit/s
95th percentile per-packet one-way delay: 84.781 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 97.888 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 60.903 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 16.64 Mbit/s
95th percentile per-packet one-way delay: 69.847 ms
Loss rate: 1.32%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

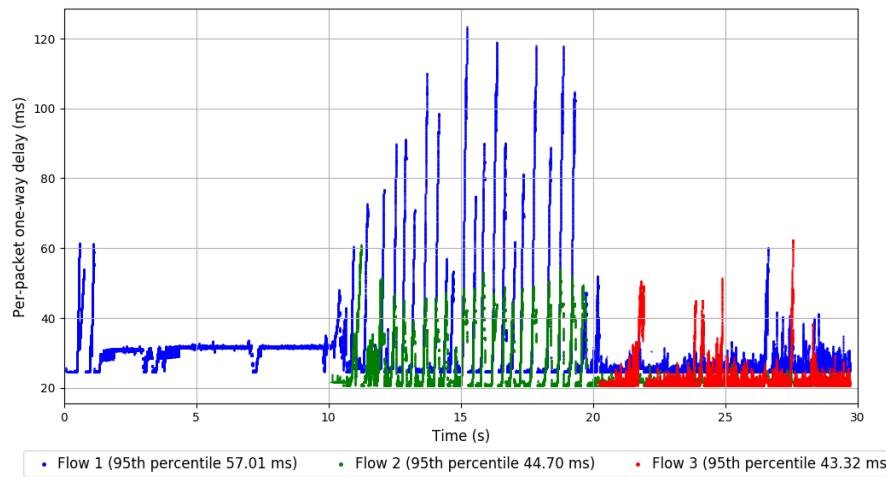
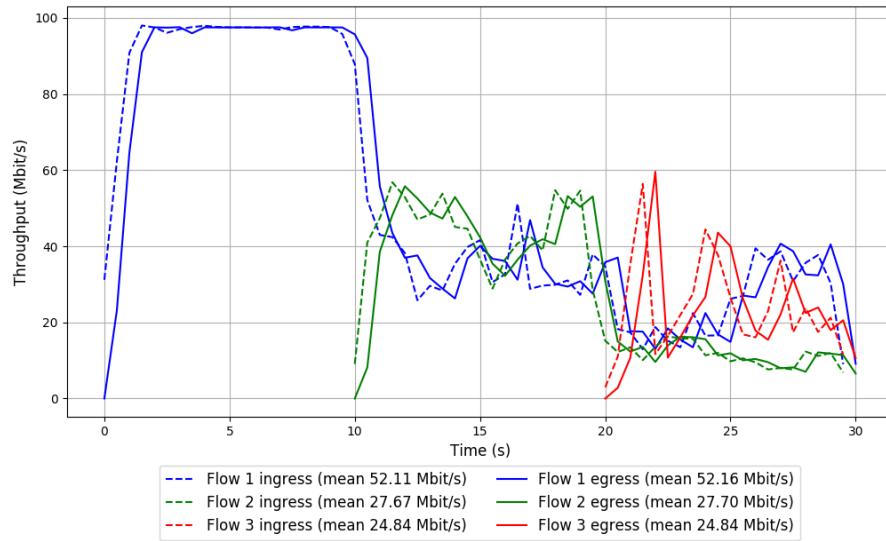


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 17:50:58
End at: 2019-11-24 17:51:28
Local clock offset: 4.084 ms
Remote clock offset: -7.621 ms

# Below is generated by plot.py at 2019-11-24 18:36:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.44 Mbit/s
95th percentile per-packet one-way delay: 49.246 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 52.16 Mbit/s
95th percentile per-packet one-way delay: 57.009 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 27.70 Mbit/s
95th percentile per-packet one-way delay: 44.699 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 43.321 ms
Loss rate: 0.46%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

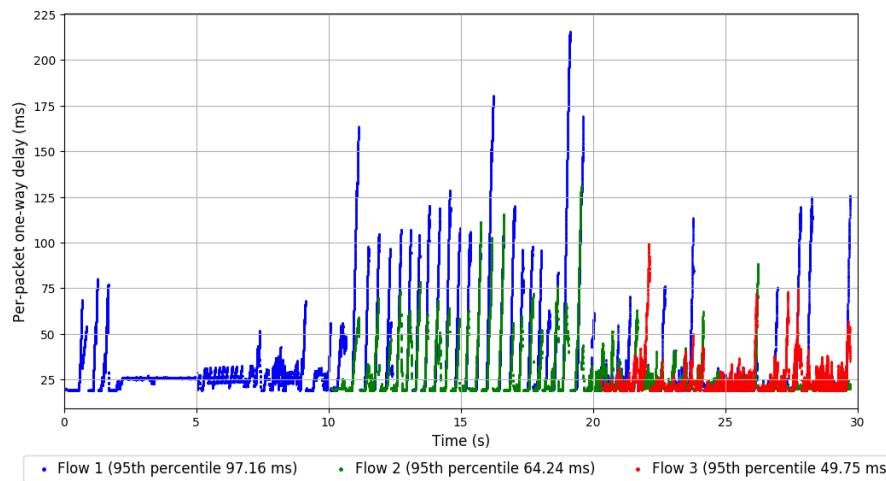
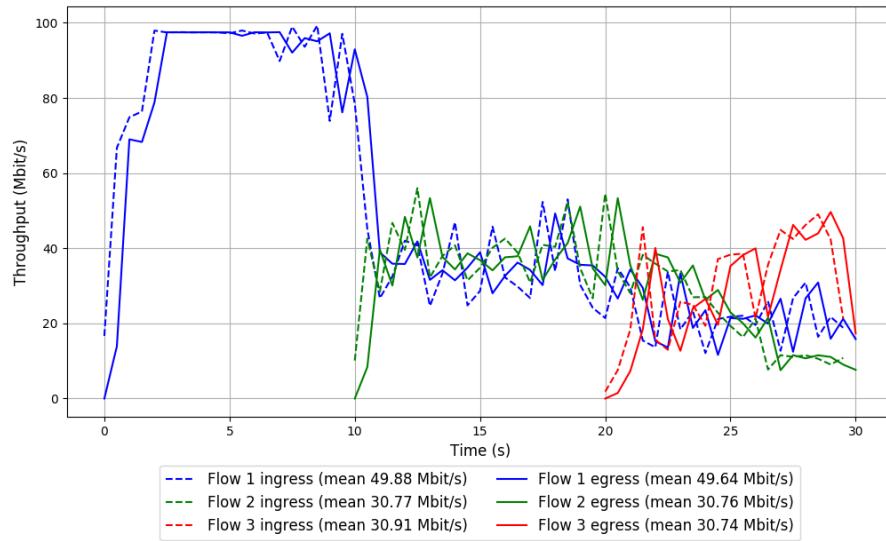


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 18:23:59
End at: 2019-11-24 18:24:29
Local clock offset: 1.948 ms
Remote clock offset: -3.813 ms

# Below is generated by plot.py at 2019-11-24 18:36:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.79 Mbit/s
95th percentile per-packet one-way delay: 84.983 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 49.64 Mbit/s
95th percentile per-packet one-way delay: 97.158 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 64.243 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 30.74 Mbit/s
95th percentile per-packet one-way delay: 49.753 ms
Loss rate: 1.10%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

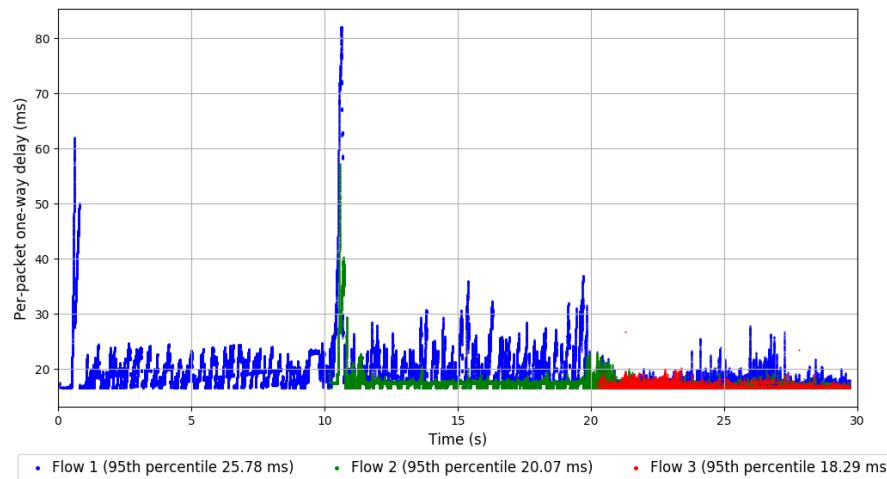
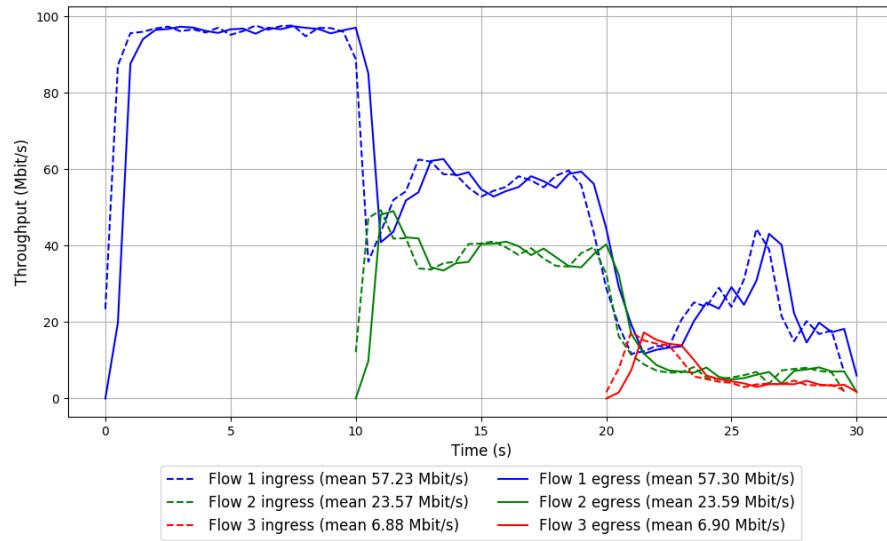


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 16:00:40
End at: 2019-11-24 16:01:10
Local clock offset: 1.504 ms
Remote clock offset: -2.69 ms

# Below is generated by plot.py at 2019-11-24 18:36:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.05 Mbit/s
95th percentile per-packet one-way delay: 25.000 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 57.30 Mbit/s
95th percentile per-packet one-way delay: 25.781 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 20.066 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 18.286 ms
Loss rate: 0.36%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

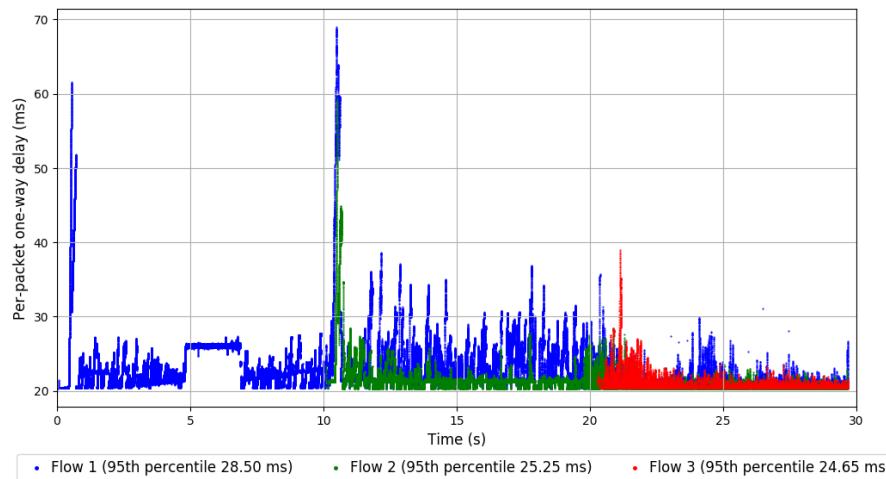
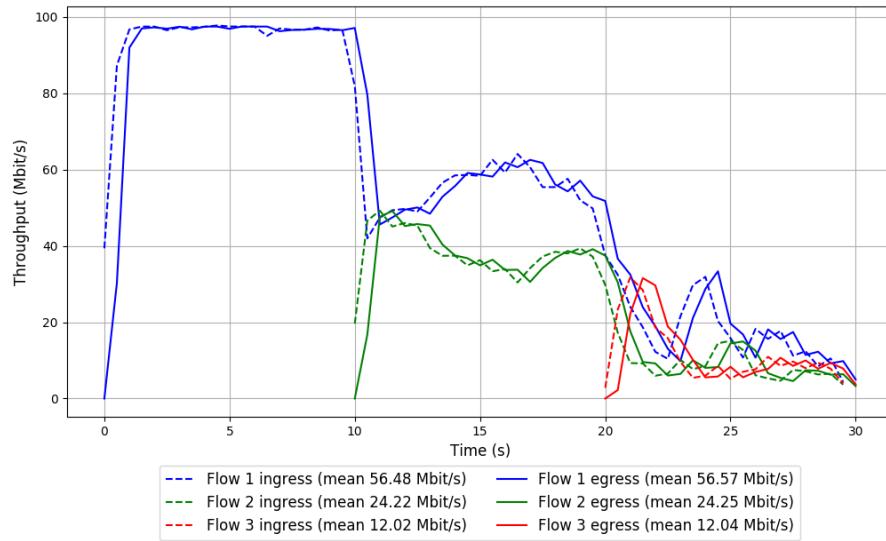


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 16:30:58
End at: 2019-11-24 16:31:28
Local clock offset: 5.083 ms
Remote clock offset: -4.738 ms

# Below is generated by plot.py at 2019-11-24 18:36:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.46 Mbit/s
95th percentile per-packet one-way delay: 27.789 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 28.503 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 25.248 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 24.649 ms
Loss rate: 0.29%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

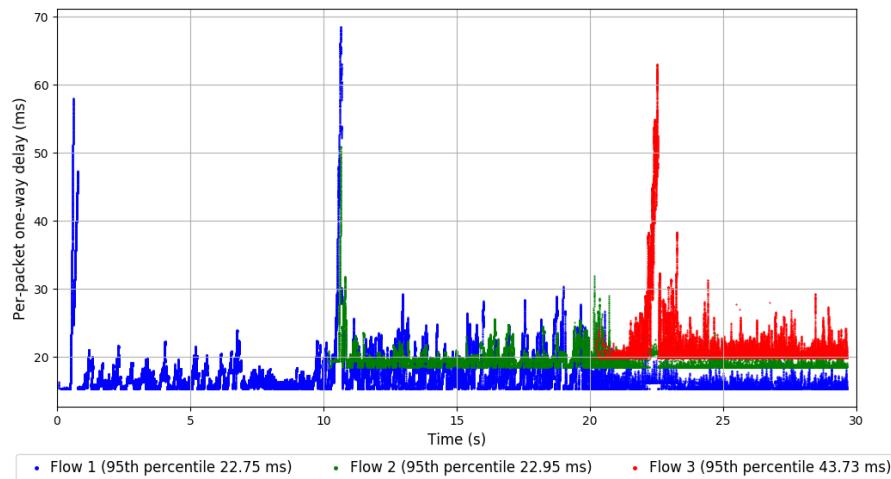
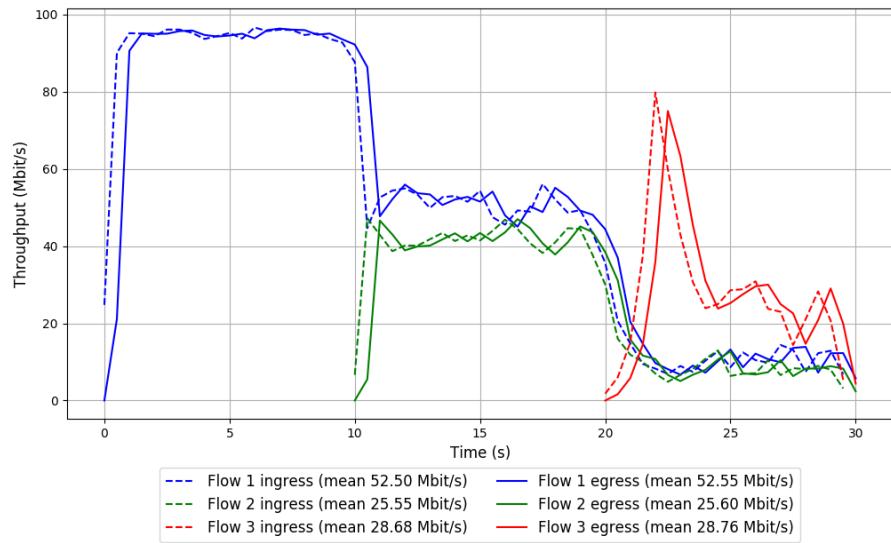


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 17:01:57
End at: 2019-11-24 17:02:27
Local clock offset: 3.715 ms
Remote clock offset: -2.632 ms

# Below is generated by plot.py at 2019-11-24 18:36:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.62 Mbit/s
95th percentile per-packet one-way delay: 24.835 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 52.55 Mbit/s
95th percentile per-packet one-way delay: 22.748 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 25.60 Mbit/s
95th percentile per-packet one-way delay: 22.949 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 28.76 Mbit/s
95th percentile per-packet one-way delay: 43.730 ms
Loss rate: 0.38%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

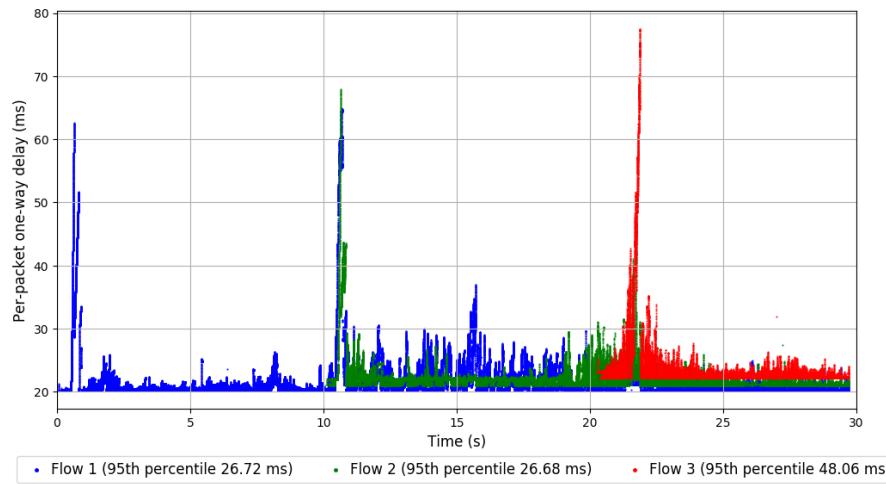
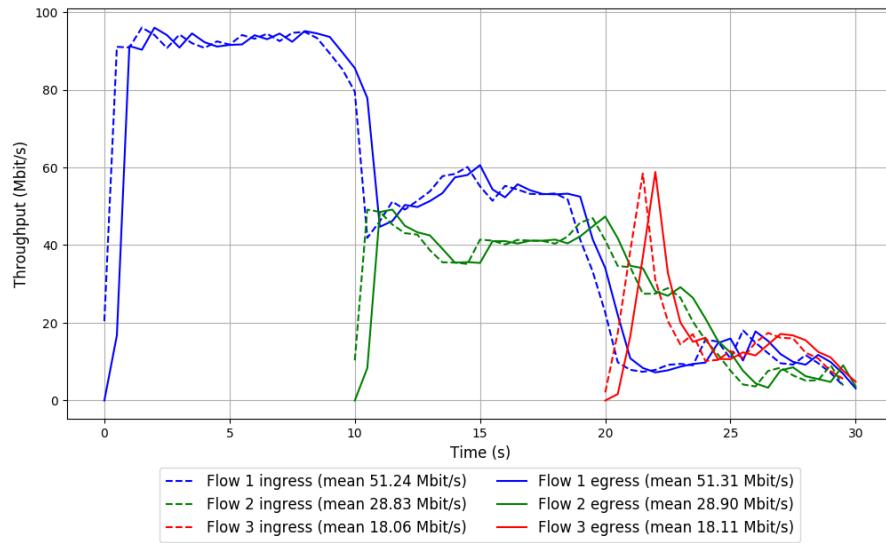


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 17:33:35
End at: 2019-11-24 17:34:05
Local clock offset: 1.958 ms
Remote clock offset: -5.654 ms

# Below is generated by plot.py at 2019-11-24 18:37:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.19 Mbit/s
95th percentile per-packet one-way delay: 27.990 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 51.31 Mbit/s
95th percentile per-packet one-way delay: 26.722 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 26.682 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 18.11 Mbit/s
95th percentile per-packet one-way delay: 48.060 ms
Loss rate: 0.32%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

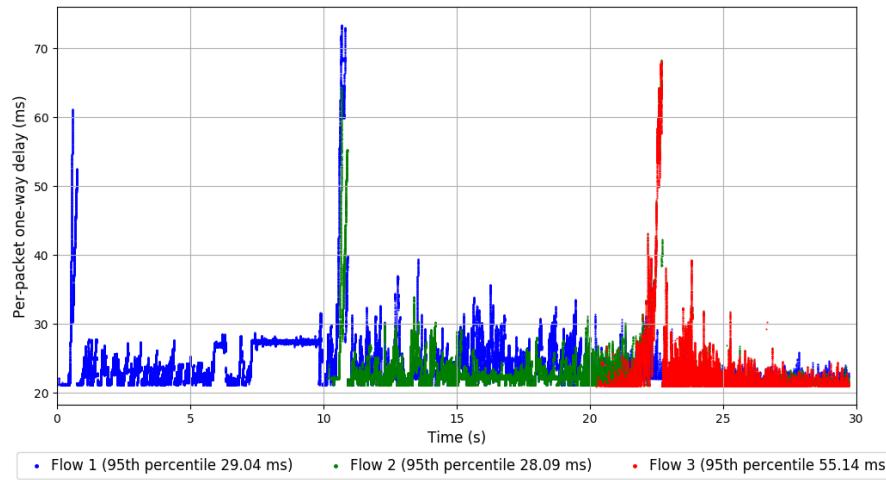
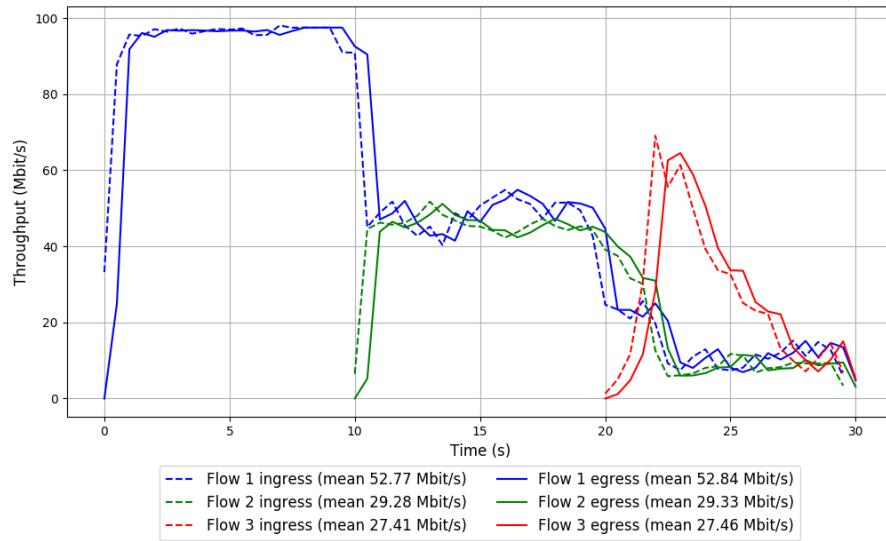


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 18:06:00
End at: 2019-11-24 18:06:30
Local clock offset: 2.79 ms
Remote clock offset: -5.981 ms

# Below is generated by plot.py at 2019-11-24 18:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.96 Mbit/s
95th percentile per-packet one-way delay: 30.208 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 52.84 Mbit/s
95th percentile per-packet one-way delay: 29.044 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 29.33 Mbit/s
95th percentile per-packet one-way delay: 28.086 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 27.46 Mbit/s
95th percentile per-packet one-way delay: 55.144 ms
Loss rate: 0.38%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

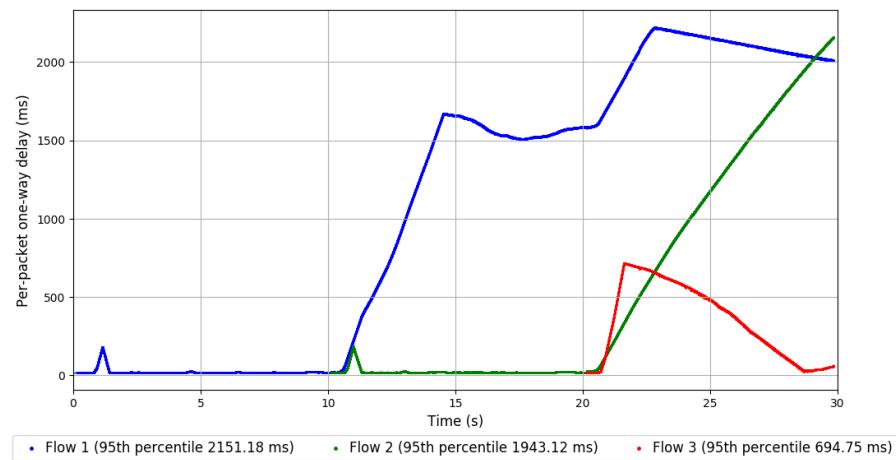
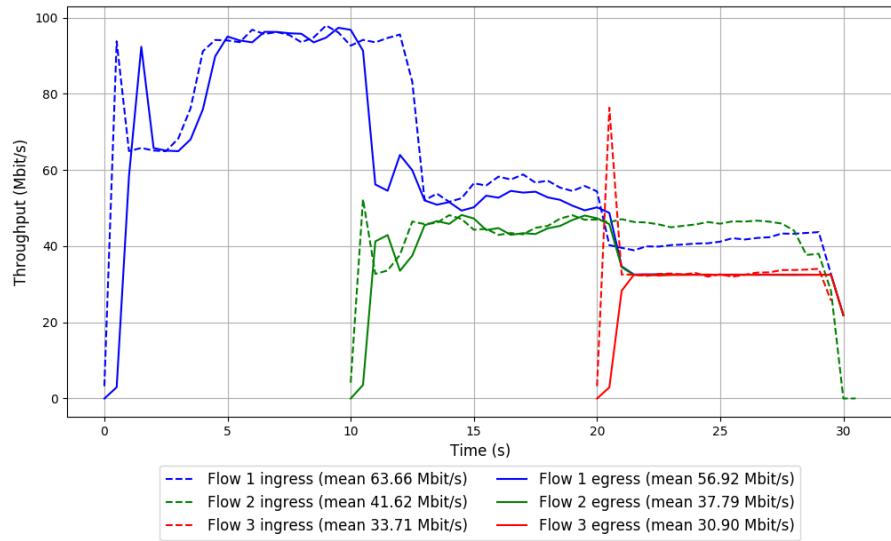


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-11-24 15:51:47
End at: 2019-11-24 15:52:17
Local clock offset: 2.946 ms
Remote clock offset: -2.419 ms

# Below is generated by plot.py at 2019-11-24 18:37:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.16 Mbit/s
95th percentile per-packet one-way delay: 2113.222 ms
Loss rate: 11.32%
-- Flow 1:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 2151.177 ms
Loss rate: 10.74%
-- Flow 2:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 1943.118 ms
Loss rate: 13.52%
-- Flow 3:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 694.749 ms
Loss rate: 8.85%
```

Run 1: Report of PCC-Allegro — Data Link

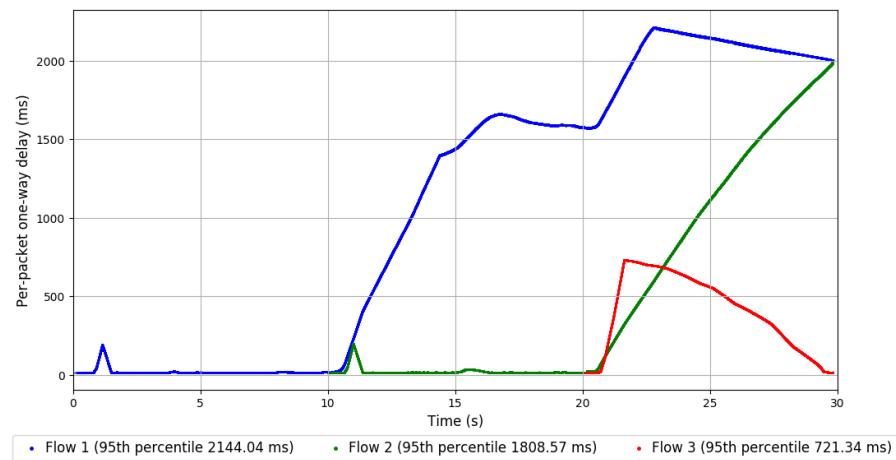
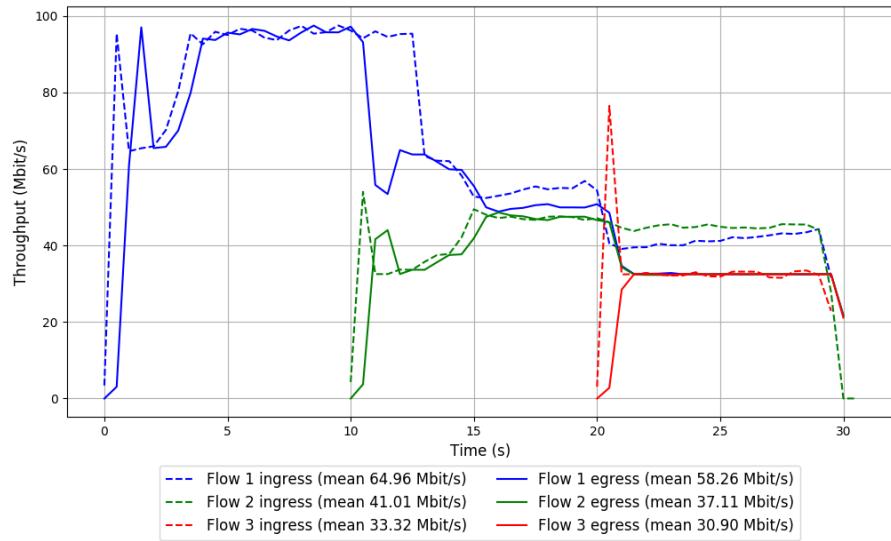


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-11-24 16:22:09
End at: 2019-11-24 16:22:39
Local clock offset: 4.514 ms
Remote clock offset: -1.252 ms

# Below is generated by plot.py at 2019-11-24 18:37:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 2096.098 ms
Loss rate: 11.05%
-- Flow 1:
Average throughput: 58.26 Mbit/s
95th percentile per-packet one-way delay: 2144.038 ms
Loss rate: 10.47%
-- Flow 2:
Average throughput: 37.11 Mbit/s
95th percentile per-packet one-way delay: 1808.567 ms
Loss rate: 13.65%
-- Flow 3:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 721.340 ms
Loss rate: 7.72%
```

Run 2: Report of PCC-Allegro — Data Link

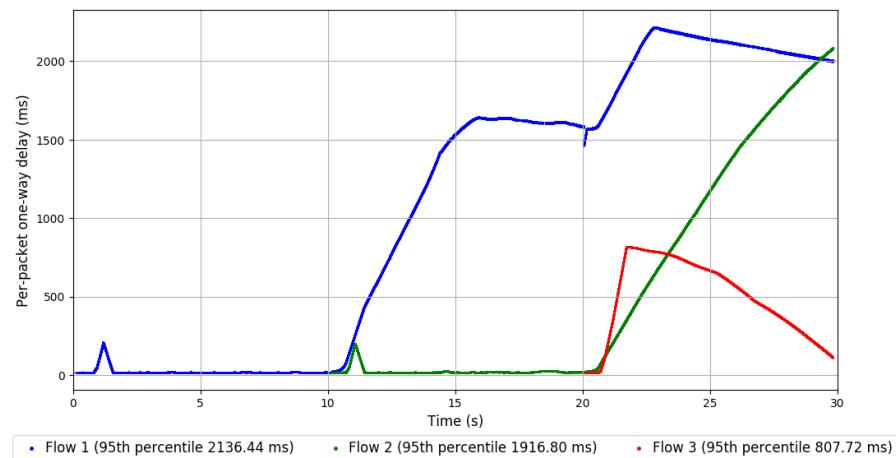
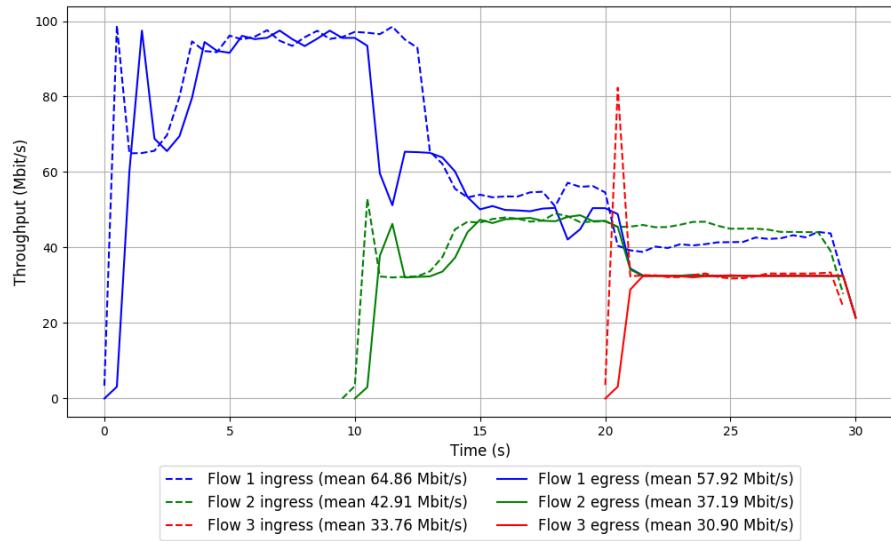


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-11-24 16:52:39
End at: 2019-11-24 16:53:09
Local clock offset: 3.491 ms
Remote clock offset: -2.946 ms

# Below is generated by plot.py at 2019-11-24 18:37:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 2096.643 ms
Loss rate: 11.41%
-- Flow 1:
Average throughput: 57.92 Mbit/s
95th percentile per-packet one-way delay: 2136.437 ms
Loss rate: 10.86%
-- Flow 2:
Average throughput: 37.19 Mbit/s
95th percentile per-packet one-way delay: 1916.800 ms
Loss rate: 13.59%
-- Flow 3:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 807.721 ms
Loss rate: 9.05%
```

Run 3: Report of PCC-Allegro — Data Link

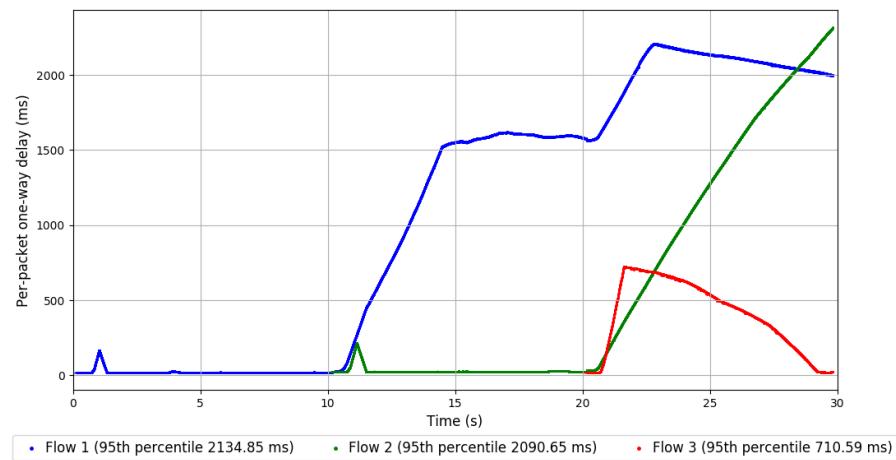
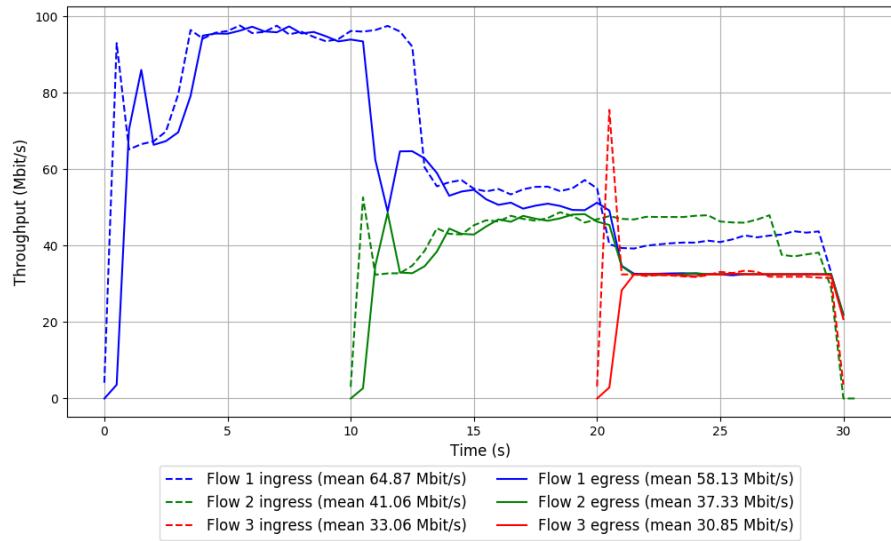


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-11-24 17:24:26
End at: 2019-11-24 17:24:56
Local clock offset: 2.95 ms
Remote clock offset: -3.152 ms

# Below is generated by plot.py at 2019-11-24 18:37:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: 2123.398 ms
Loss rate: 11.24%
-- Flow 1:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: 2134.847 ms
Loss rate: 10.54%
-- Flow 2:
Average throughput: 37.33 Mbit/s
95th percentile per-packet one-way delay: 2090.649 ms
Loss rate: 13.70%
-- Flow 3:
Average throughput: 30.85 Mbit/s
95th percentile per-packet one-way delay: 710.586 ms
Loss rate: 8.94%
```

Run 4: Report of PCC-Allegro — Data Link

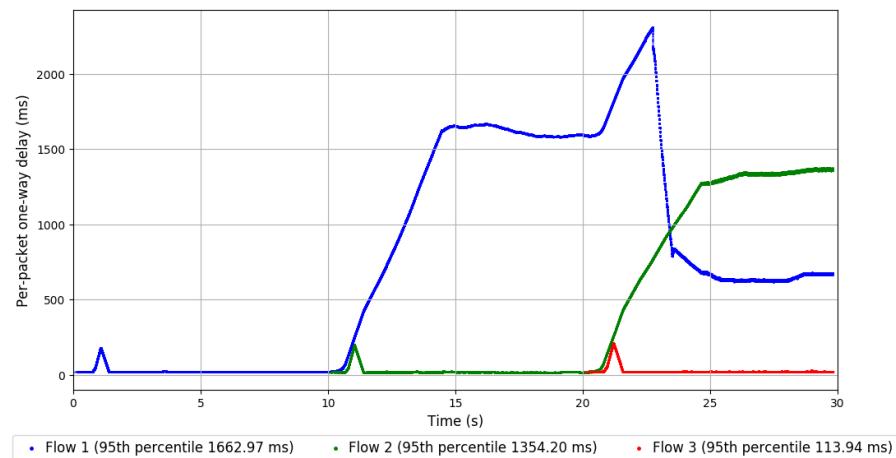
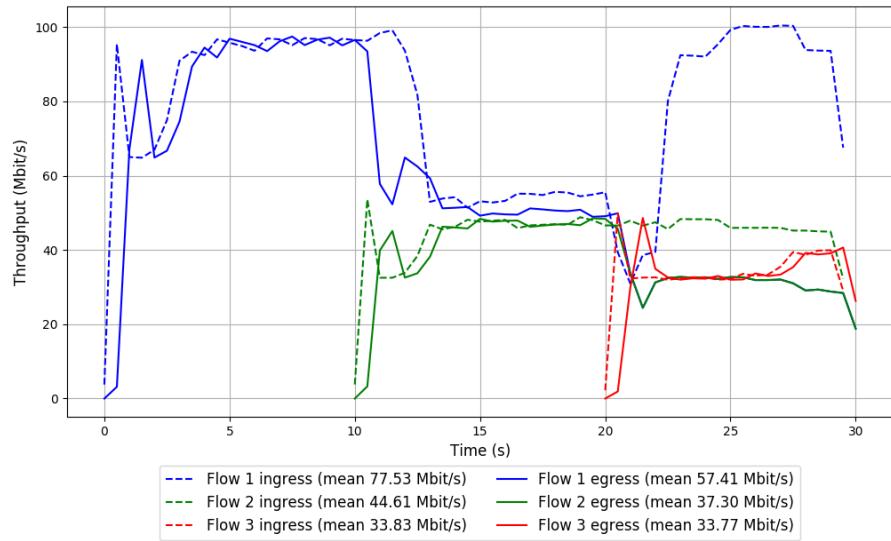


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-11-24 17:56:41
End at: 2019-11-24 17:57:11
Local clock offset: 0.684 ms
Remote clock offset: -7.272 ms

# Below is generated by plot.py at 2019-11-24 18:37:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 1651.293 ms
Loss rate: 21.34%
-- Flow 1:
Average throughput: 57.41 Mbit/s
95th percentile per-packet one-way delay: 1662.967 ms
Loss rate: 26.11%
-- Flow 2:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 1354.198 ms
Loss rate: 16.60%
-- Flow 3:
Average throughput: 33.77 Mbit/s
95th percentile per-packet one-way delay: 113.937 ms
Loss rate: 0.72%
```

Run 5: Report of PCC-Allegro — Data Link

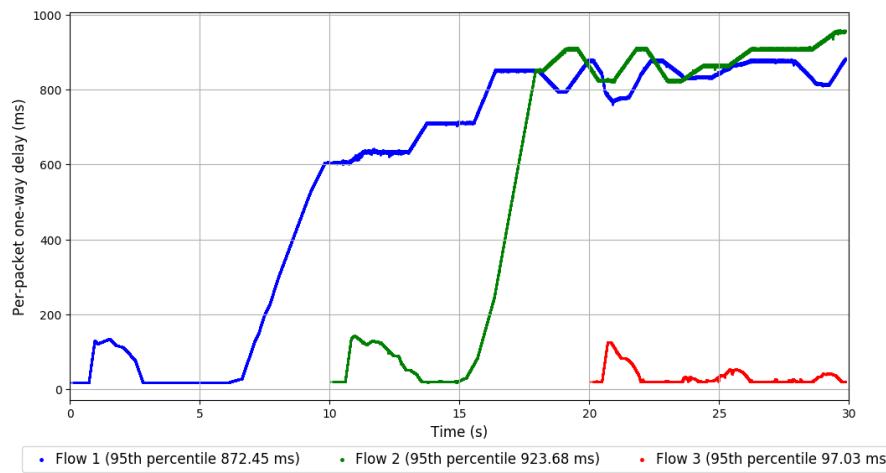
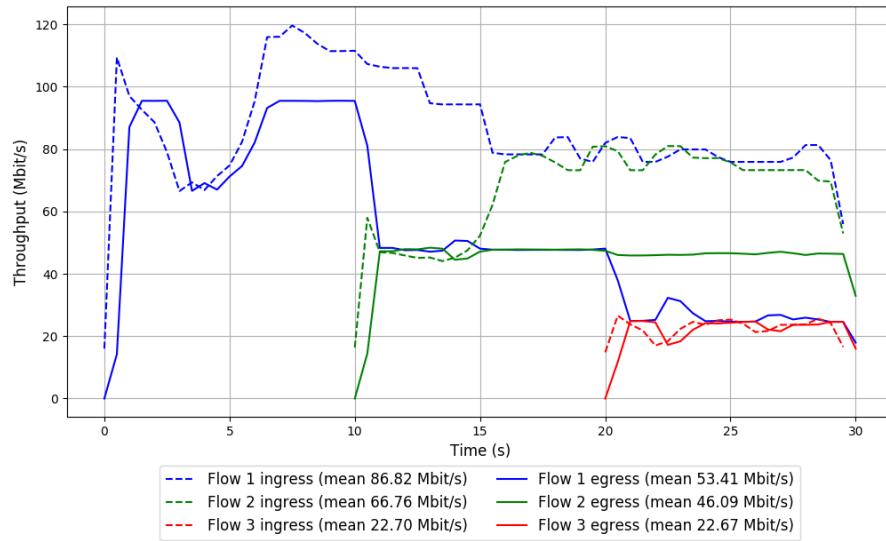


Run 1: Statistics of PCC-Expr

```
Start at: 2019-11-24 16:15:37
End at: 2019-11-24 16:16:07
Local clock offset: 4.484 ms
Remote clock offset: -2.967 ms

# Below is generated by plot.py at 2019-11-24 18:39:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.51 Mbit/s
95th percentile per-packet one-way delay: 908.390 ms
Loss rate: 34.15%
-- Flow 1:
Average throughput: 53.41 Mbit/s
95th percentile per-packet one-way delay: 872.446 ms
Loss rate: 38.59%
-- Flow 2:
Average throughput: 46.09 Mbit/s
95th percentile per-packet one-way delay: 923.685 ms
Loss rate: 31.13%
-- Flow 3:
Average throughput: 22.67 Mbit/s
95th percentile per-packet one-way delay: 97.032 ms
Loss rate: 0.62%
```

Run 1: Report of PCC-Expr — Data Link

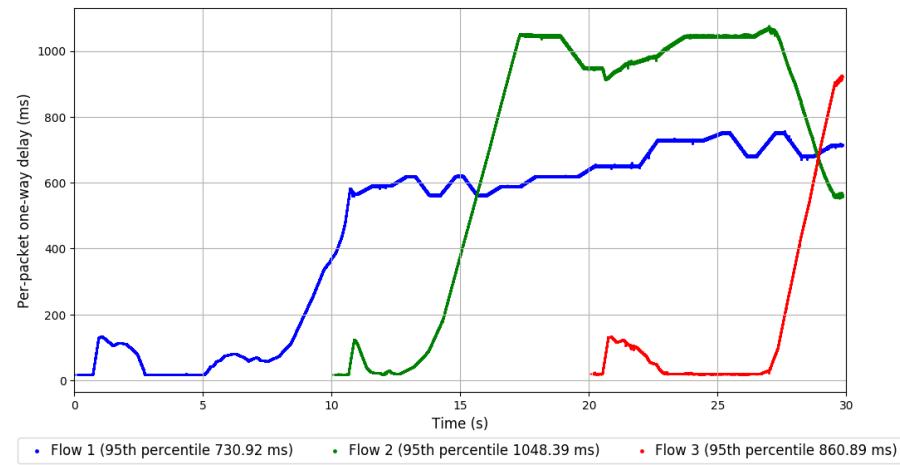
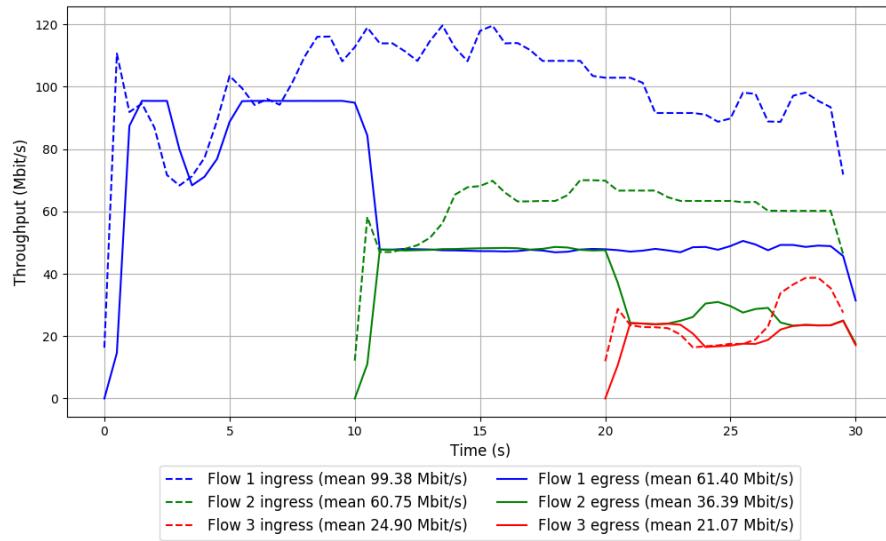


Run 2: Statistics of PCC-Expr

```
Start at: 2019-11-24 16:46:19
End at: 2019-11-24 16:46:49
Local clock offset: 2.063 ms
Remote clock offset: -5.004 ms

# Below is generated by plot.py at 2019-11-24 18:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 1043.930 ms
Loss rate: 37.61%
-- Flow 1:
Average throughput: 61.40 Mbit/s
95th percentile per-packet one-way delay: 730.925 ms
Loss rate: 38.33%
-- Flow 2:
Average throughput: 36.39 Mbit/s
95th percentile per-packet one-way delay: 1048.392 ms
Loss rate: 40.26%
-- Flow 3:
Average throughput: 21.07 Mbit/s
95th percentile per-packet one-way delay: 860.895 ms
Loss rate: 15.85%
```

Run 2: Report of PCC-Expr — Data Link

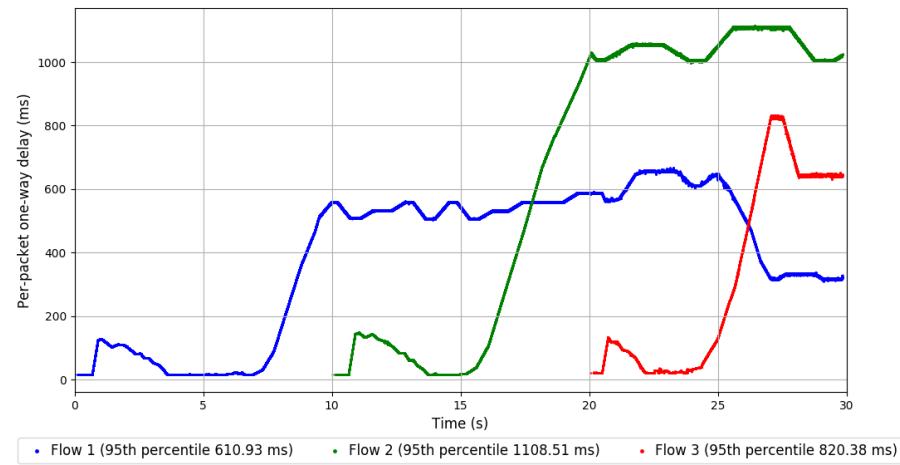
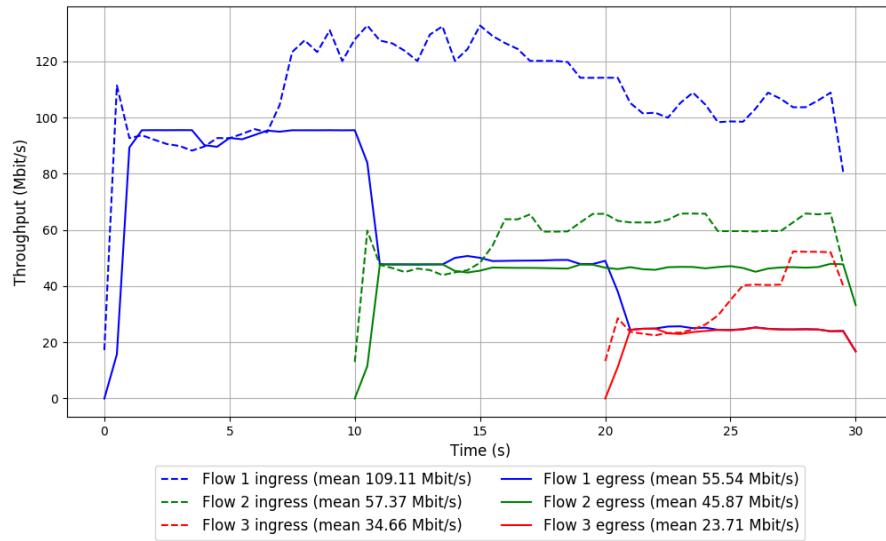


Run 3: Statistics of PCC-Expr

```
Start at: 2019-11-24 17:17:32
End at: 2019-11-24 17:18:02
Local clock offset: 1.186 ms
Remote clock offset: -4.021 ms

# Below is generated by plot.py at 2019-11-24 18:39:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 1060.720 ms
Loss rate: 41.00%
-- Flow 1:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 610.928 ms
Loss rate: 49.19%
-- Flow 2:
Average throughput: 45.87 Mbit/s
95th percentile per-packet one-way delay: 1108.513 ms
Loss rate: 20.32%
-- Flow 3:
Average throughput: 23.71 Mbit/s
95th percentile per-packet one-way delay: 820.377 ms
Loss rate: 31.97%
```

Run 3: Report of PCC-Expr — Data Link

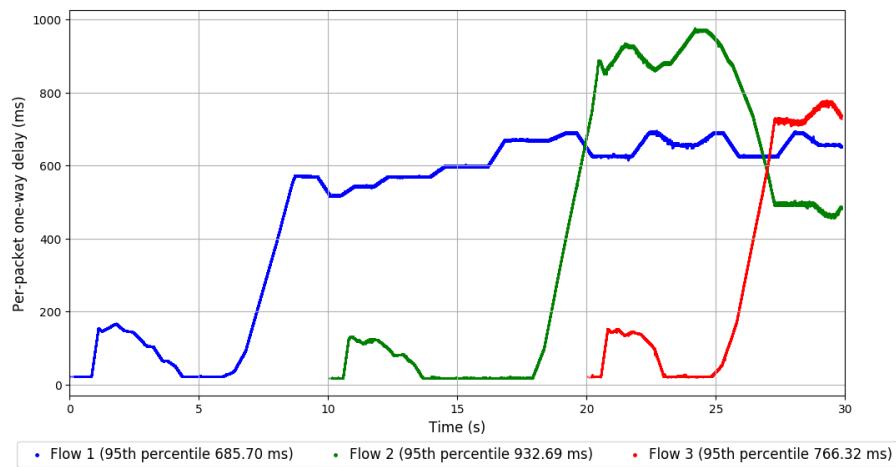
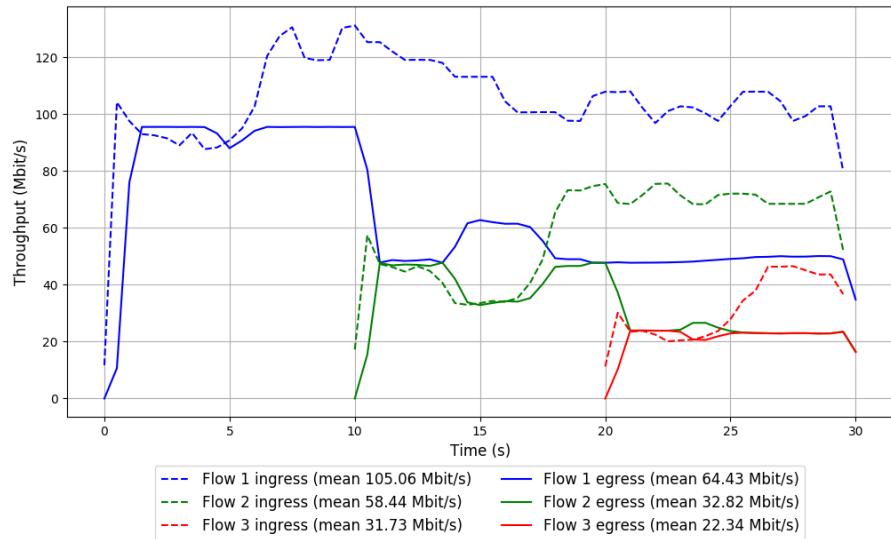


Run 4: Statistics of PCC-Expr

```
Start at: 2019-11-24 17:49:09
End at: 2019-11-24 17:49:39
Local clock offset: 1.953 ms
Remote clock offset: -7.109 ms

# Below is generated by plot.py at 2019-11-24 18:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 804.249 ms
Loss rate: 39.51%
-- Flow 1:
Average throughput: 64.43 Mbit/s
95th percentile per-packet one-way delay: 685.704 ms
Loss rate: 38.80%
-- Flow 2:
Average throughput: 32.82 Mbit/s
95th percentile per-packet one-way delay: 932.694 ms
Loss rate: 43.98%
-- Flow 3:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 766.315 ms
Loss rate: 29.96%
```

Run 4: Report of PCC-Expr — Data Link

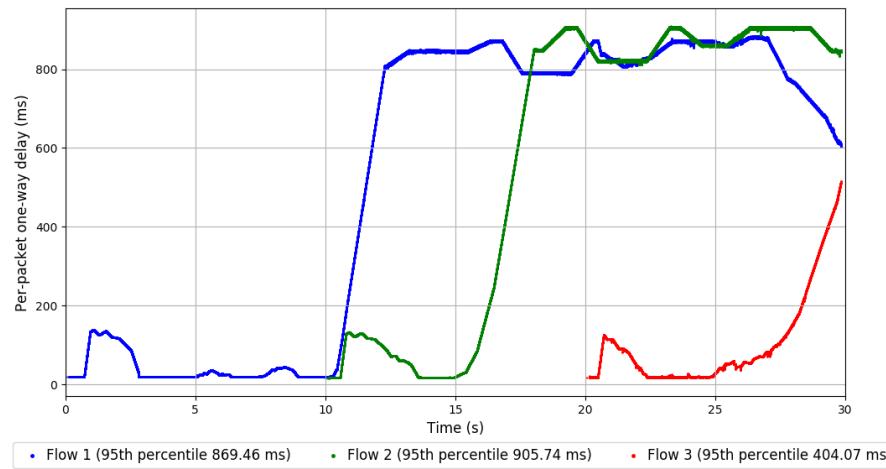
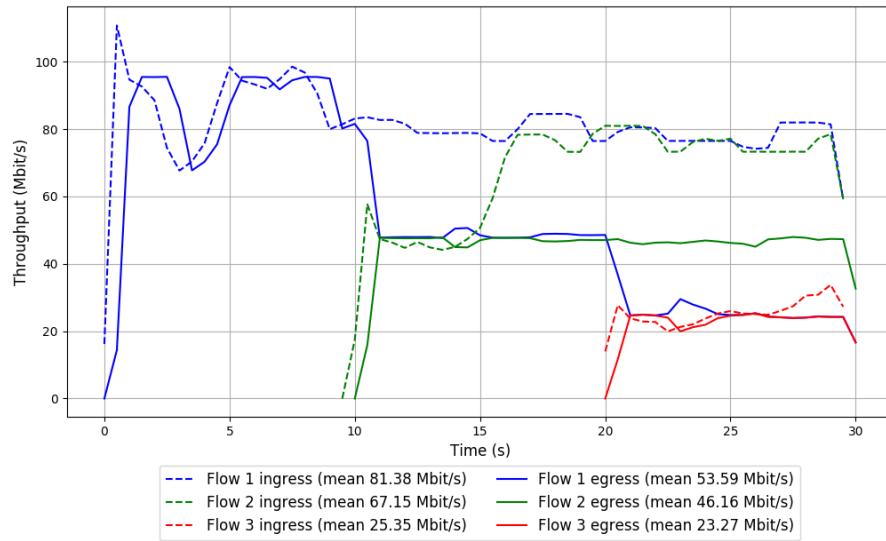


Run 5: Statistics of PCC-Expr

```
Start at: 2019-11-24 18:22:24
End at: 2019-11-24 18:22:54
Local clock offset: 2.332 ms
Remote clock offset: -4.53 ms

# Below is generated by plot.py at 2019-11-24 18:39:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: 902.491 ms
Loss rate: 31.73%
-- Flow 1:
Average throughput: 53.59 Mbit/s
95th percentile per-packet one-way delay: 869.459 ms
Loss rate: 34.27%
-- Flow 2:
Average throughput: 46.16 Mbit/s
95th percentile per-packet one-way delay: 905.735 ms
Loss rate: 31.43%
-- Flow 3:
Average throughput: 23.27 Mbit/s
95th percentile per-packet one-way delay: 404.070 ms
Loss rate: 8.66%
```

Run 5: Report of PCC-Expr — Data Link

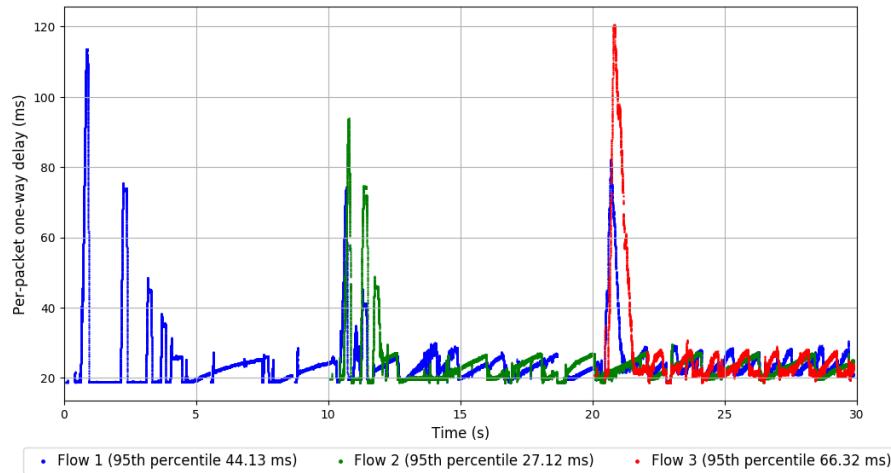
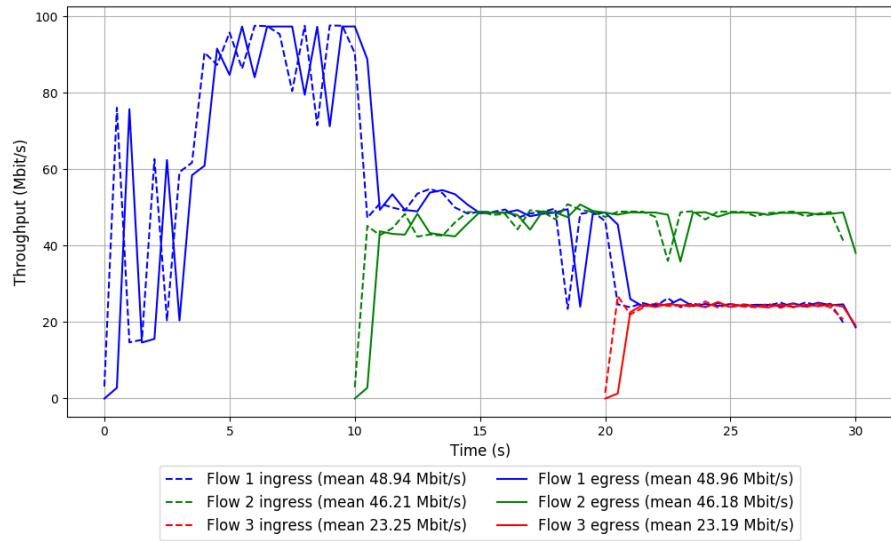


Run 1: Statistics of QUIC Cubic

```
Start at: 2019-11-24 15:47:43
End at: 2019-11-24 15:48:13
Local clock offset: 2.528 ms
Remote clock offset: -4.519 ms

# Below is generated by plot.py at 2019-11-24 18:39:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 41.467 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 48.96 Mbit/s
95th percentile per-packet one-way delay: 44.133 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 46.18 Mbit/s
95th percentile per-packet one-way delay: 27.119 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 23.19 Mbit/s
95th percentile per-packet one-way delay: 66.319 ms
Loss rate: 0.74%
```

Run 1: Report of QUIC Cubic — Data Link

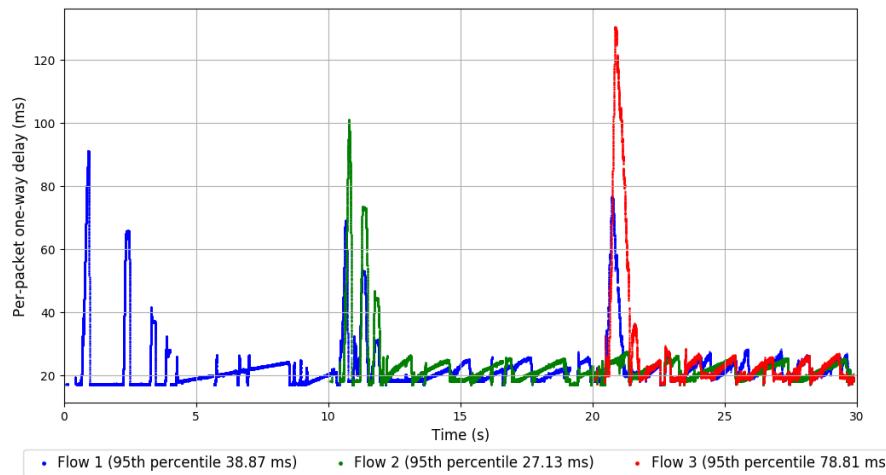
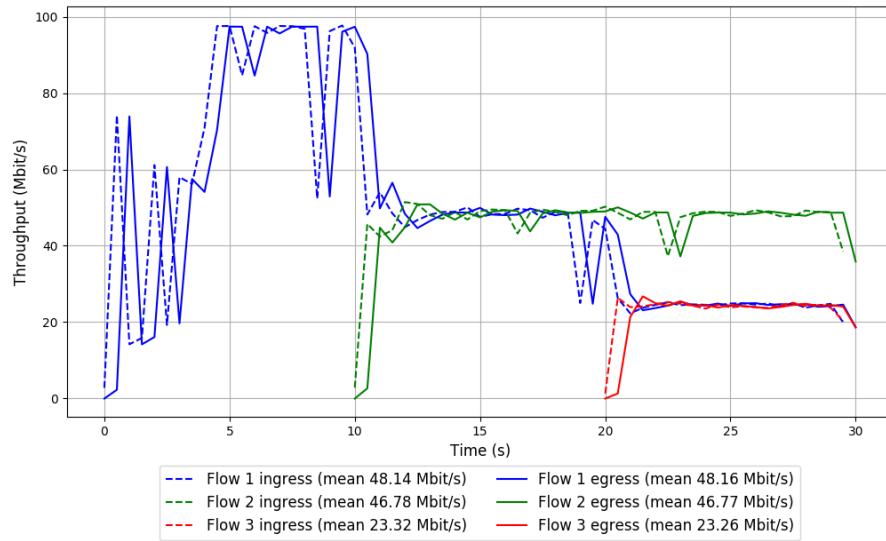


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-11-24 16:18:19
End at: 2019-11-24 16:18:49
Local clock offset: 3.626 ms
Remote clock offset: -2.16 ms

# Below is generated by plot.py at 2019-11-24 18:39:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.92 Mbit/s
95th percentile per-packet one-way delay: 37.471 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 38.867 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 27.133 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 23.26 Mbit/s
95th percentile per-packet one-way delay: 78.808 ms
Loss rate: 0.73%
```

Run 2: Report of QUIC Cubic — Data Link

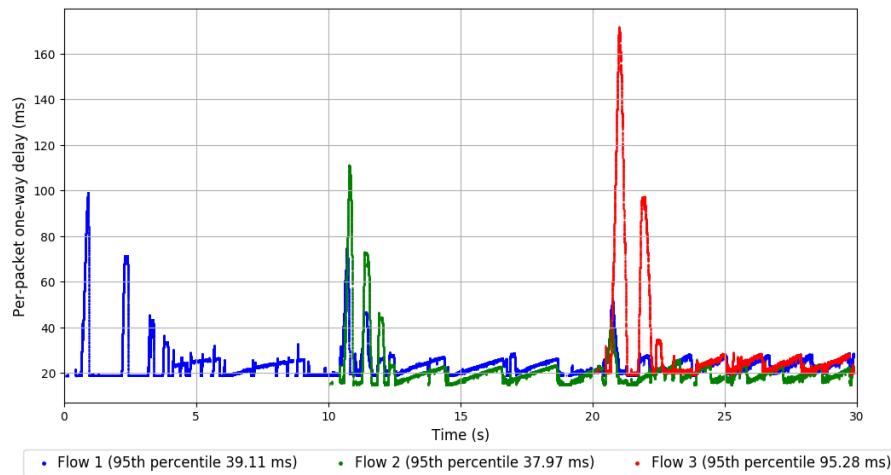
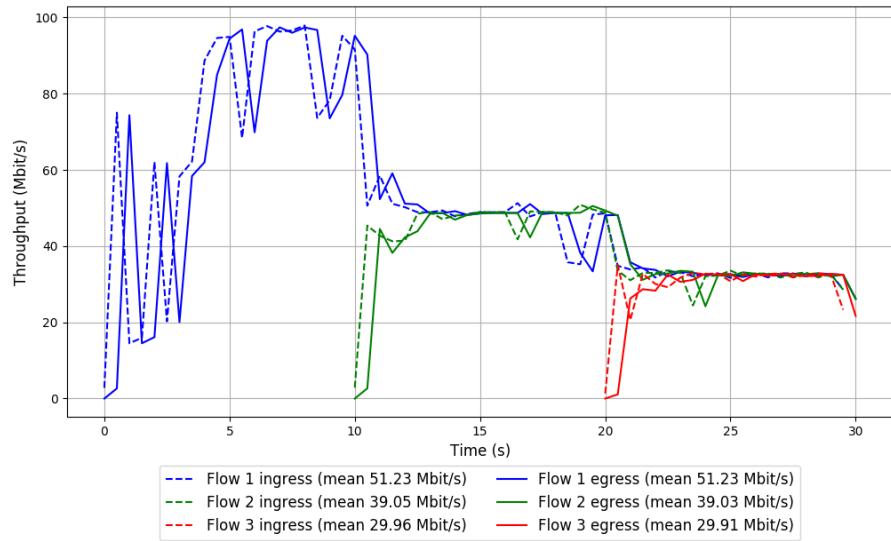


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-11-24 16:48:51
End at: 2019-11-24 16:49:21
Local clock offset: 1.892 ms
Remote clock offset: -3.409 ms

# Below is generated by plot.py at 2019-11-24 18:39:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.03 Mbit/s
95th percentile per-packet one-way delay: 42.942 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 51.23 Mbit/s
95th percentile per-packet one-way delay: 39.111 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 39.03 Mbit/s
95th percentile per-packet one-way delay: 37.970 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 95.285 ms
Loss rate: 0.71%
```

Run 3: Report of QUIC Cubic — Data Link

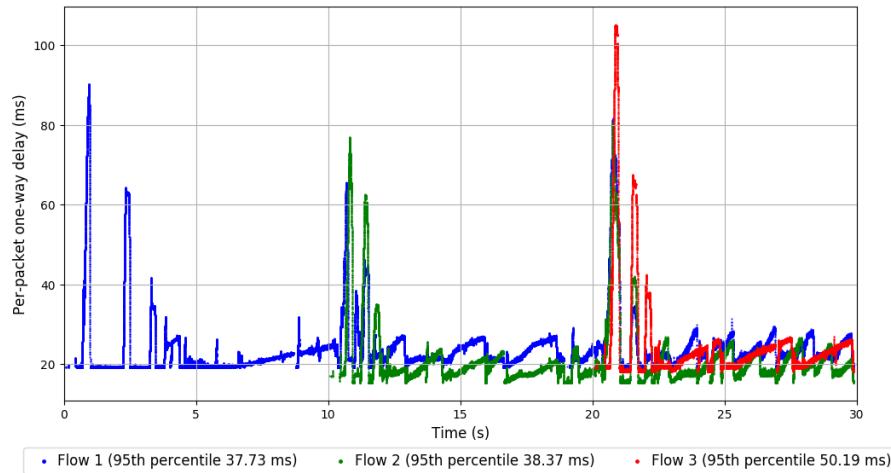
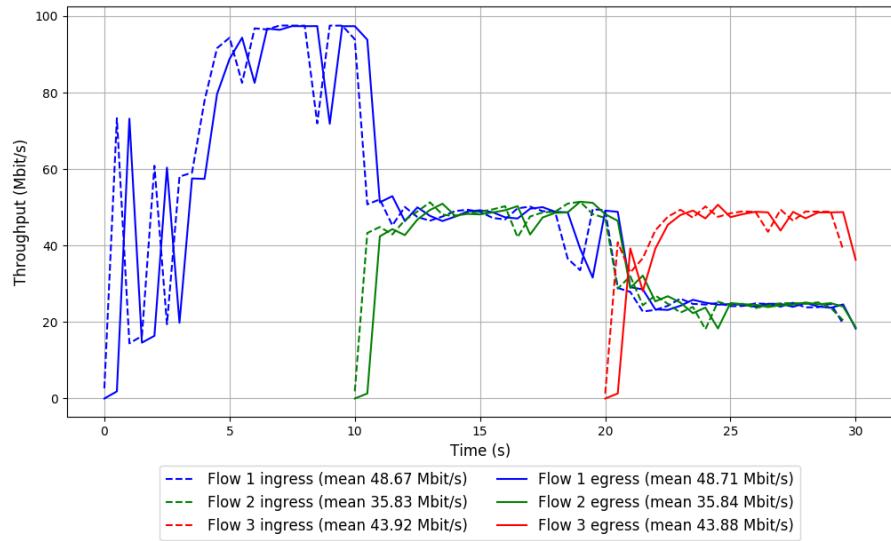


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-11-24 17:20:27
End at: 2019-11-24 17:20:57
Local clock offset: 2.92 ms
Remote clock offset: -1.892 ms

# Below is generated by plot.py at 2019-11-24 18:39:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 39.402 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 48.71 Mbit/s
95th percentile per-packet one-way delay: 37.733 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 35.84 Mbit/s
95th percentile per-packet one-way delay: 38.367 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 43.88 Mbit/s
95th percentile per-packet one-way delay: 50.191 ms
Loss rate: 0.62%
```

Run 4: Report of QUIC Cubic — Data Link

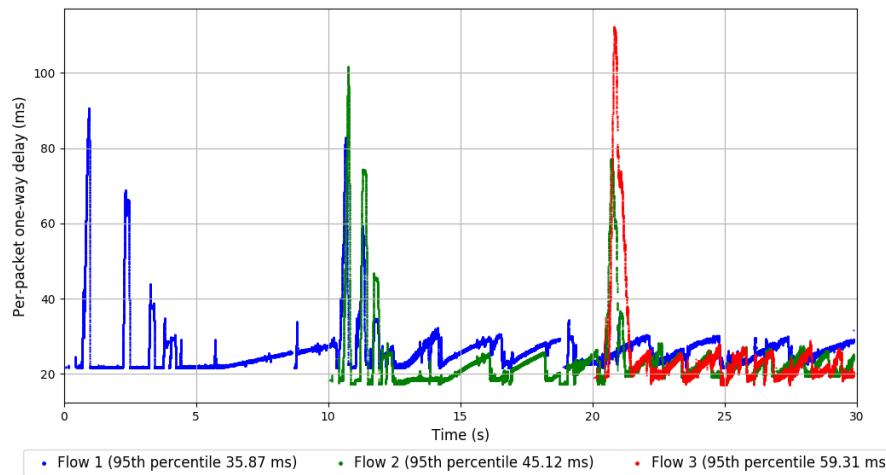
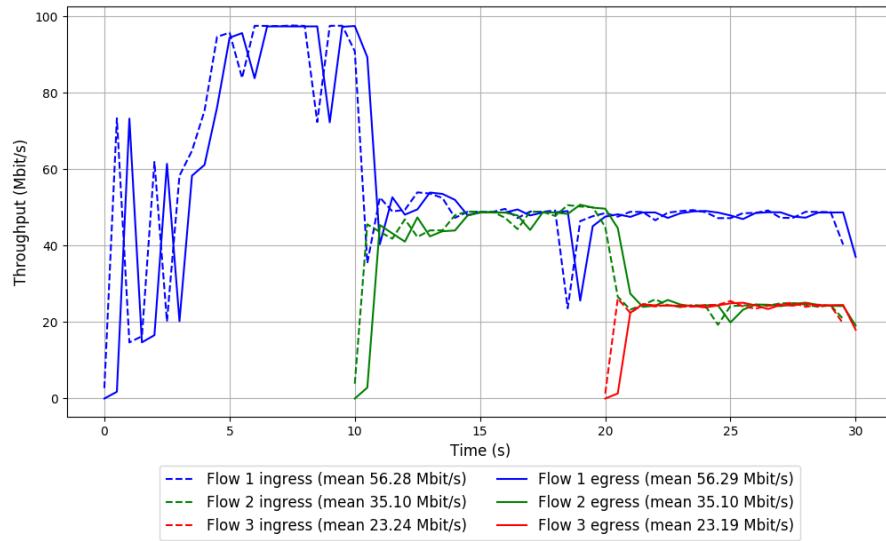


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-11-24 17:52:17
End at: 2019-11-24 17:52:47
Local clock offset: 3.355 ms
Remote clock offset: -5.318 ms

# Below is generated by plot.py at 2019-11-24 18:39:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: 37.777 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 56.29 Mbit/s
95th percentile per-packet one-way delay: 35.872 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 35.10 Mbit/s
95th percentile per-packet one-way delay: 45.118 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 23.19 Mbit/s
95th percentile per-packet one-way delay: 59.312 ms
Loss rate: 0.68%
```

Run 5: Report of QUIC Cubic — Data Link

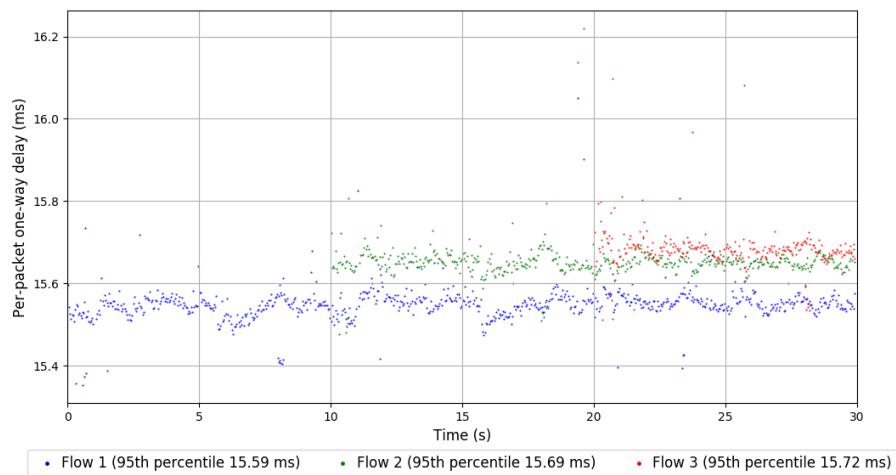
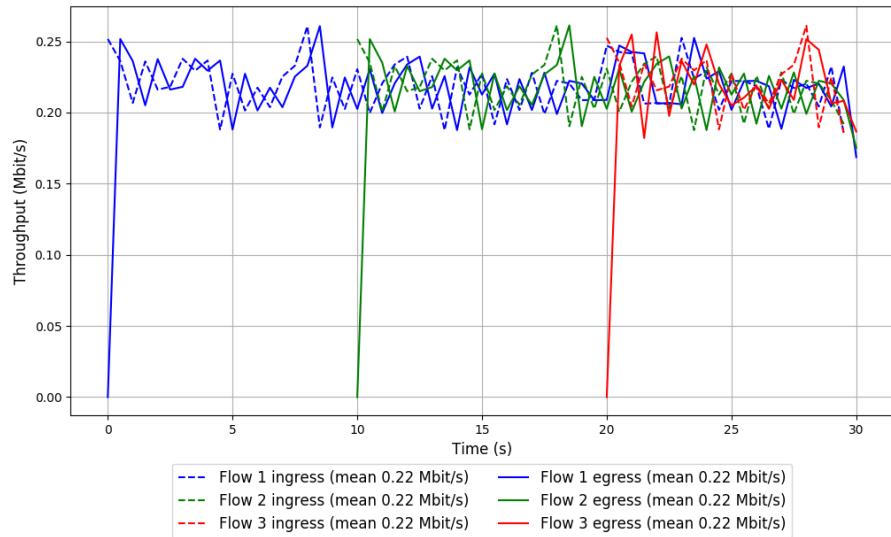


```
Run 1: Statistics of SCReAM
```

```
Start at: 2019-11-24 16:05:31
End at: 2019-11-24 16:06:01
Local clock offset: -0.309 ms
Remote clock offset: -3.301 ms

# Below is generated by plot.py at 2019-11-24 18:39:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 15.697 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.593 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.694 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.724 ms
Loss rate: 0.36%
```

Run 1: Report of SCReAM — Data Link

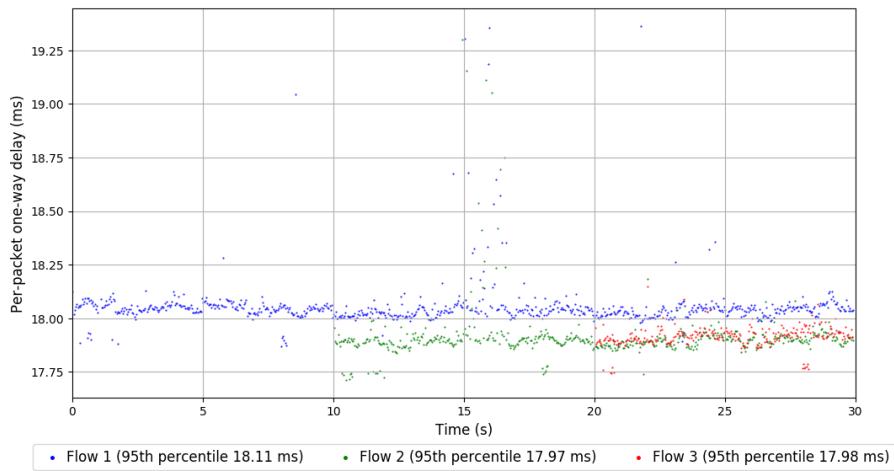
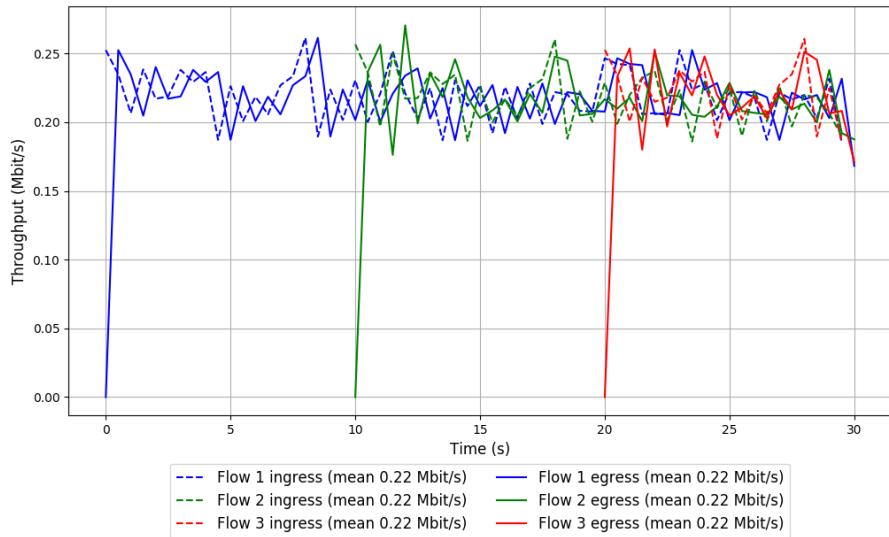


Run 2: Statistics of SCReAM

```
Start at: 2019-11-24 16:36:04
End at: 2019-11-24 16:36:34
Local clock offset: 4.136 ms
Remote clock offset: -3.409 ms

# Below is generated by plot.py at 2019-11-24 18:39:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 18.090 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.105 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.972 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.977 ms
Loss rate: 0.71%
```

Run 2: Report of SCReAM — Data Link

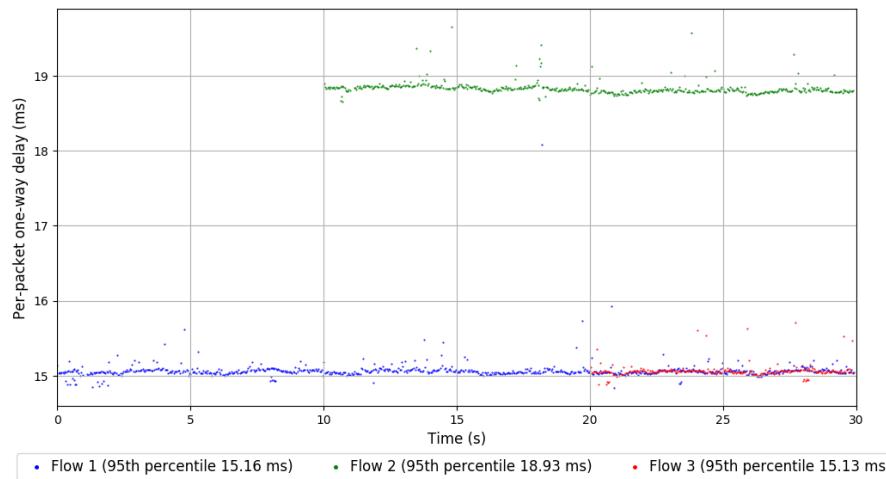
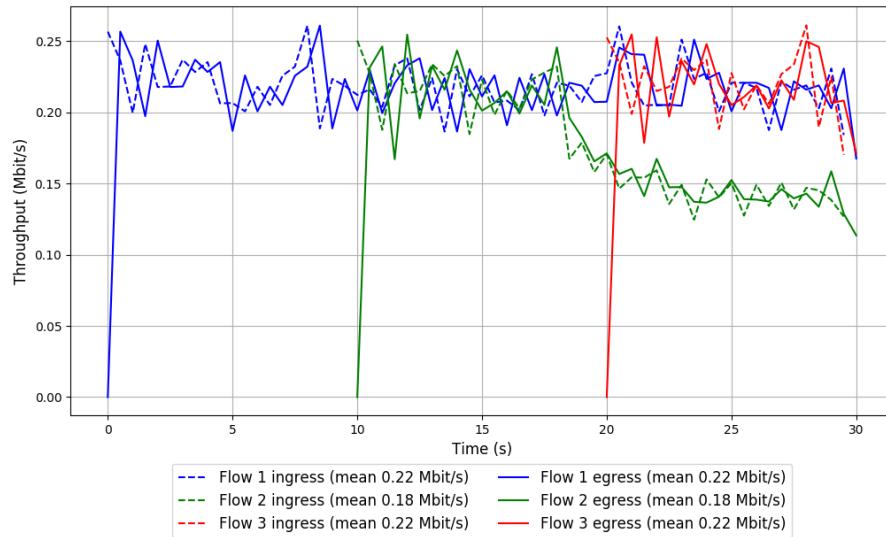


Run 3: Statistics of SCReAM

```
Start at: 2019-11-24 17:06:54
End at: 2019-11-24 17:07:24
Local clock offset: 1.148 ms
Remote clock offset: -4.52 ms

# Below is generated by plot.py at 2019-11-24 18:39:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 18.860 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.159 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 18.928 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.126 ms
Loss rate: 0.36%
```

Run 3: Report of SCReAM — Data Link

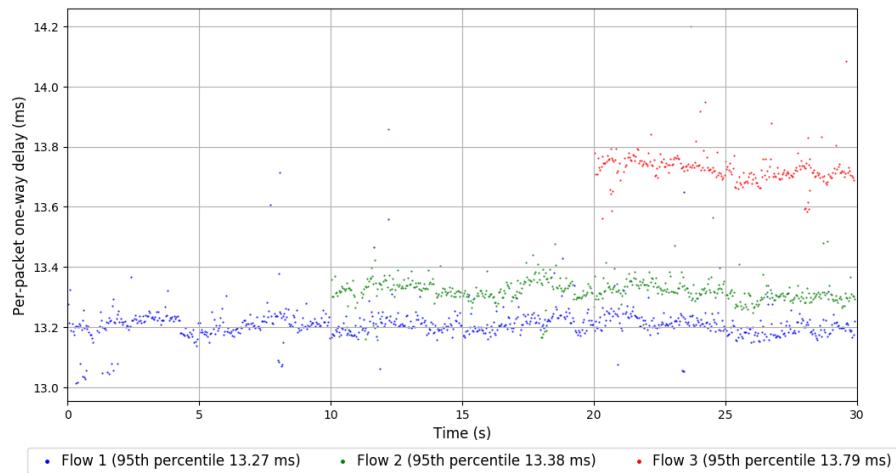
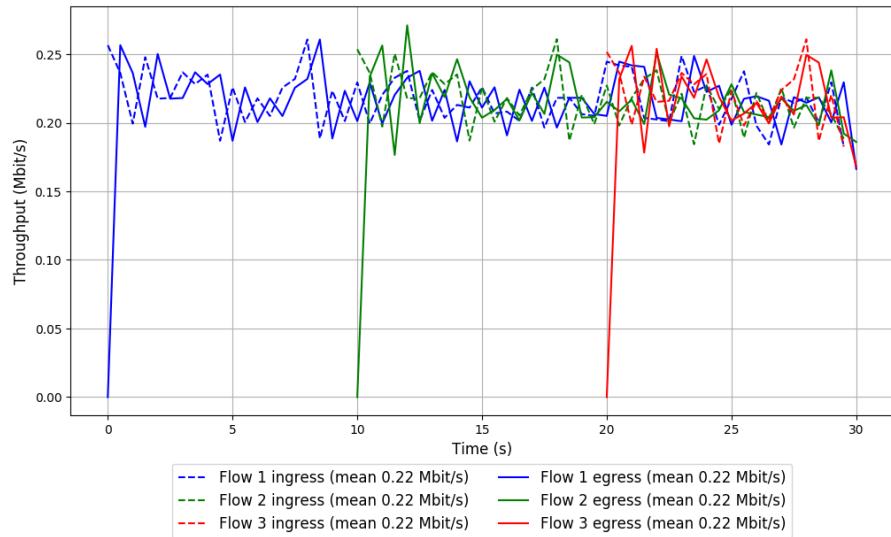


Run 4: Statistics of SCReAM

```
Start at: 2019-11-24 17:38:38
End at: 2019-11-24 17:39:08
Local clock offset: 0.7 ms
Remote clock offset: -2.286 ms

# Below is generated by plot.py at 2019-11-24 18:39:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 13.743 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 13.265 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 13.383 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 13.790 ms
Loss rate: 0.70%
```

Run 4: Report of SCReAM — Data Link

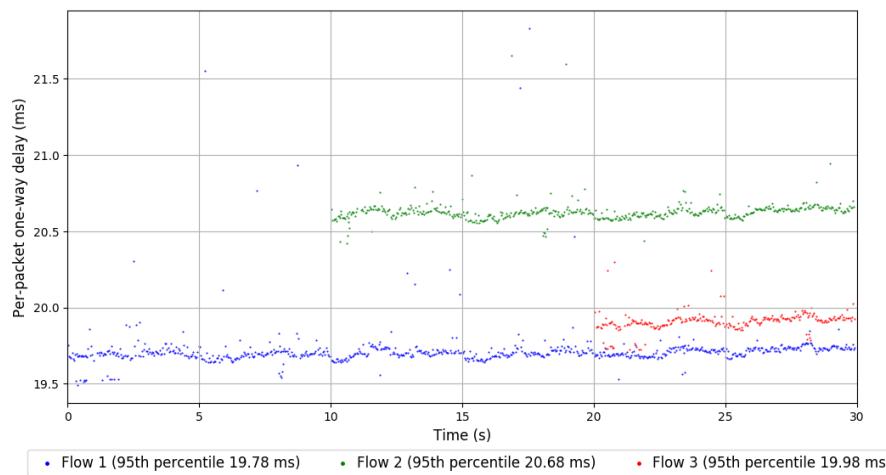
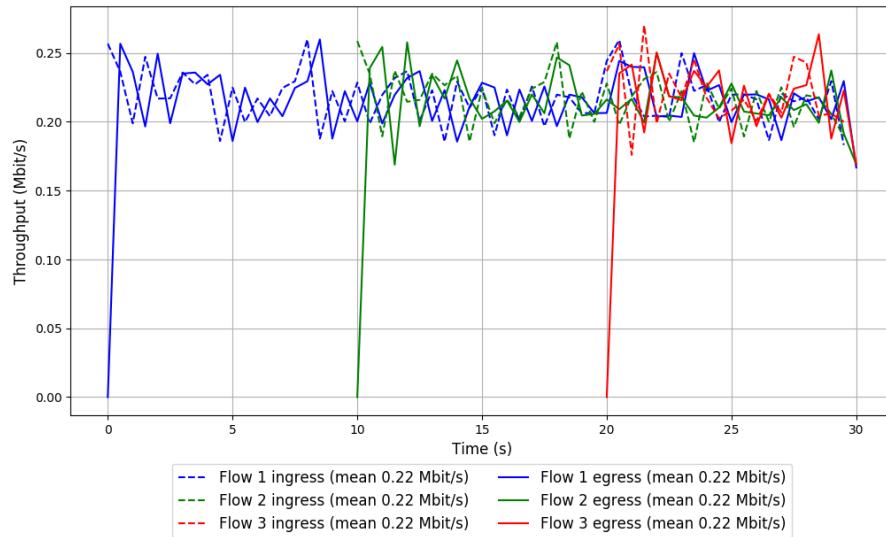


Run 5: Statistics of SCReAM

```
Start at: 2019-11-24 18:11:23
End at: 2019-11-24 18:11:53
Local clock offset: 1.909 ms
Remote clock offset: -7.384 ms

# Below is generated by plot.py at 2019-11-24 18:39:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 20.654 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.782 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.684 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.977 ms
Loss rate: 0.70%
```

Run 5: Report of SCReAM — Data Link

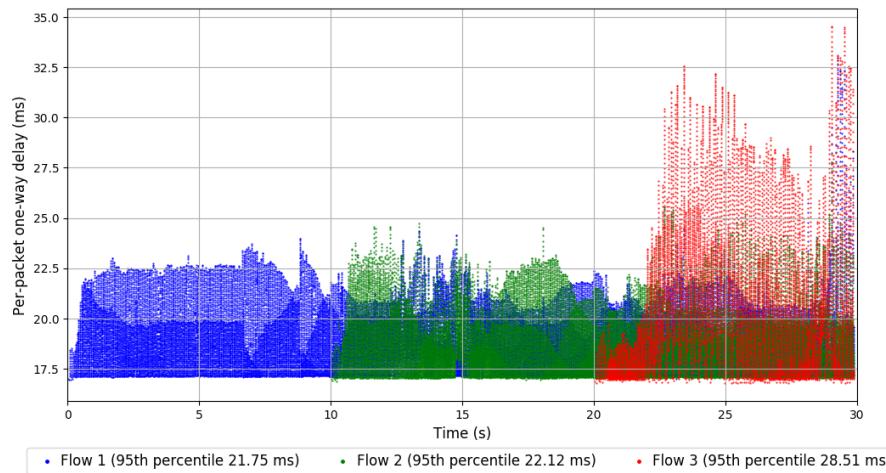
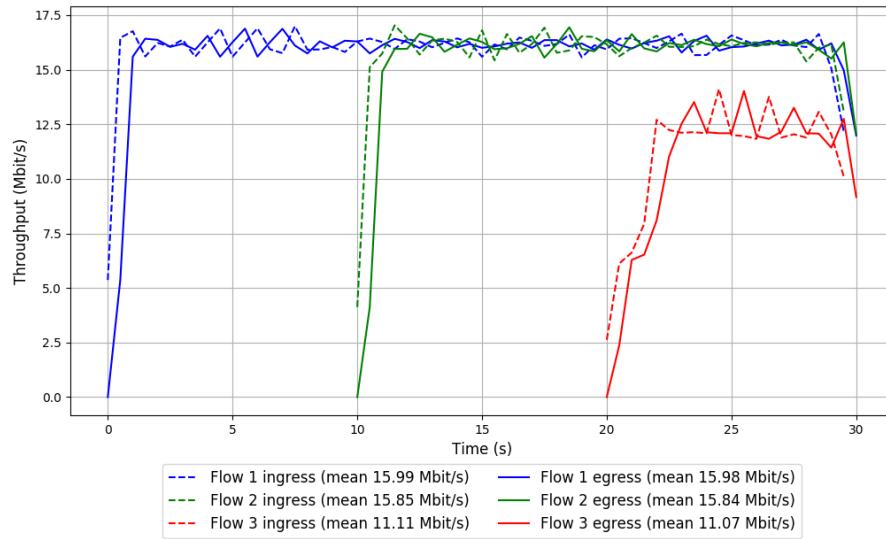


Run 1: Statistics of Sprout

```
Start at: 2019-11-24 16:03:08
End at: 2019-11-24 16:03:38
Local clock offset: 0.187 ms
Remote clock offset: -4.286 ms

# Below is generated by plot.py at 2019-11-24 18:39:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.15 Mbit/s
95th percentile per-packet one-way delay: 22.815 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 21.755 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 15.84 Mbit/s
95th percentile per-packet one-way delay: 22.116 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 11.07 Mbit/s
95th percentile per-packet one-way delay: 28.509 ms
Loss rate: 0.85%
```

Run 1: Report of Sprout — Data Link

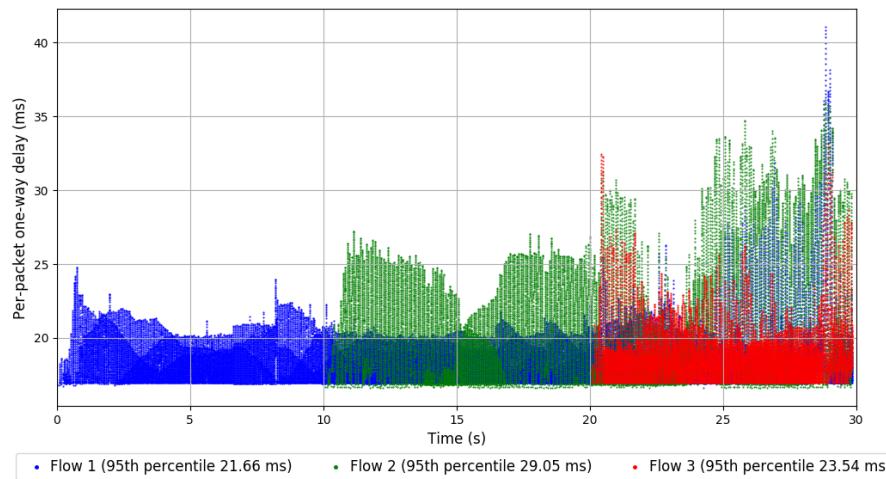
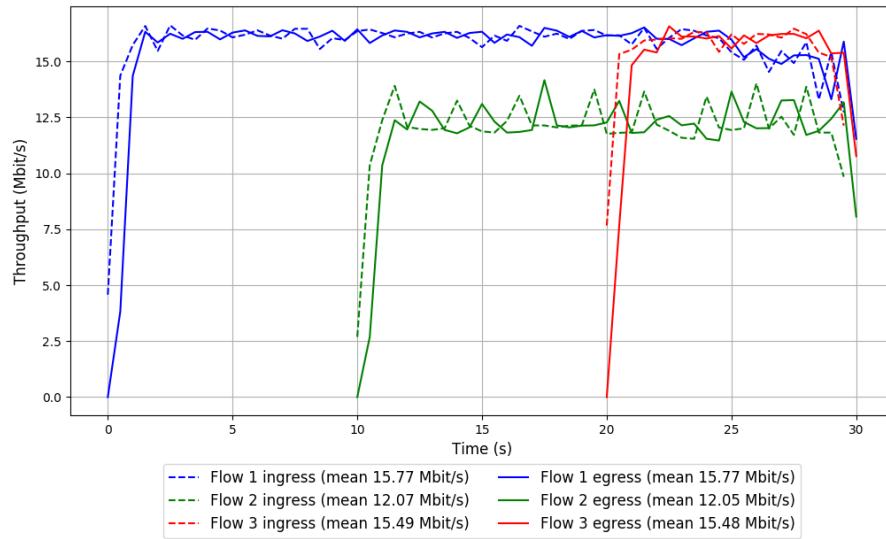


Run 2: Statistics of Sprout

```
Start at: 2019-11-24 16:33:39
End at: 2019-11-24 16:34:09
Local clock offset: 2.249 ms
Remote clock offset: -4.092 ms

# Below is generated by plot.py at 2019-11-24 18:39:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.87 Mbit/s
95th percentile per-packet one-way delay: 25.570 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 15.77 Mbit/s
95th percentile per-packet one-way delay: 21.656 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 29.045 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 23.540 ms
Loss rate: 0.64%
```

Run 2: Report of Sprout — Data Link

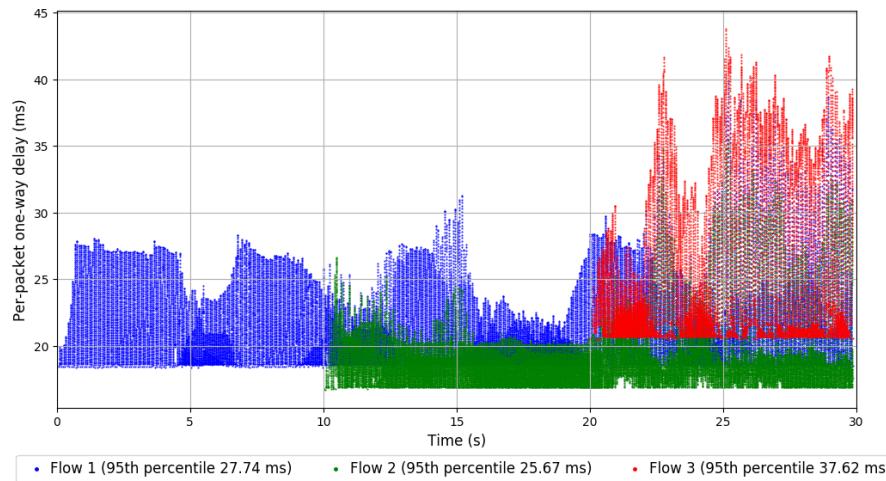
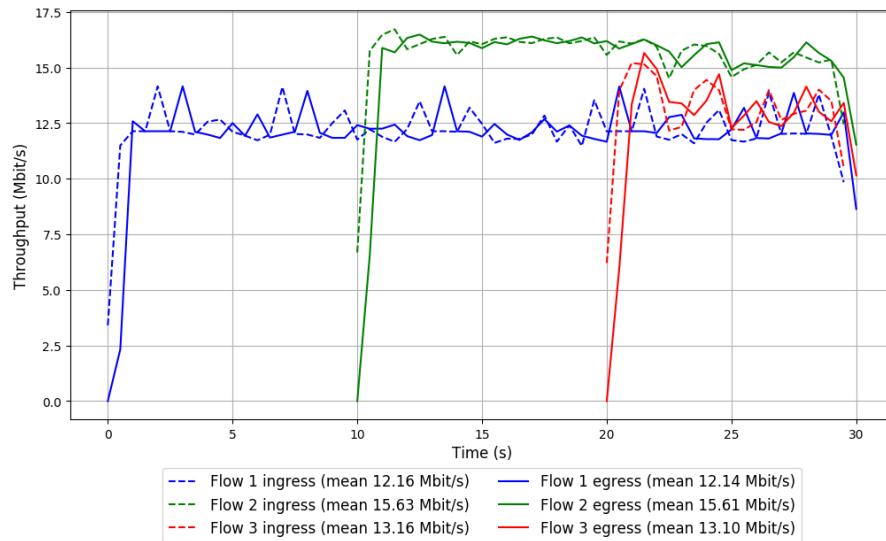


Run 3: Statistics of Sprout

```
Start at: 2019-11-24 17:04:27
End at: 2019-11-24 17:04:57
Local clock offset: 3.875 ms
Remote clock offset: -3.559 ms

# Below is generated by plot.py at 2019-11-24 18:39:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 31.793 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 12.14 Mbit/s
95th percentile per-packet one-way delay: 27.743 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 25.674 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 13.10 Mbit/s
95th percentile per-packet one-way delay: 37.617 ms
Loss rate: 0.78%
```

Run 3: Report of Sprout — Data Link

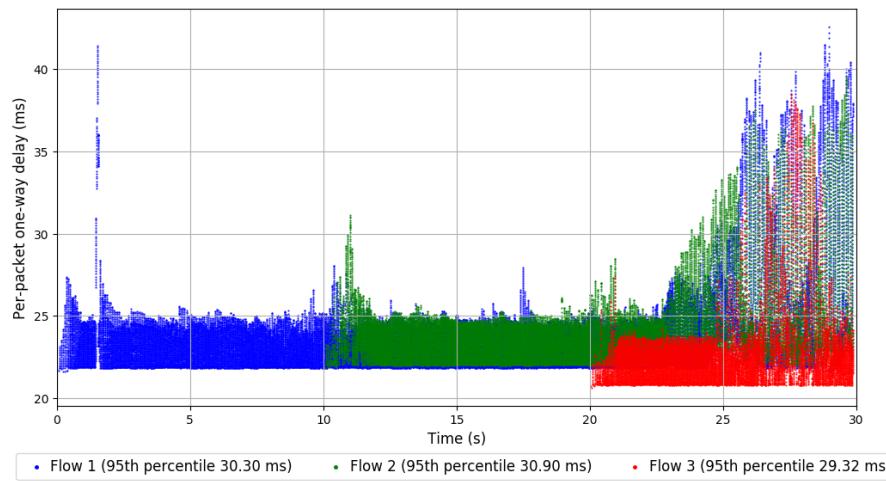
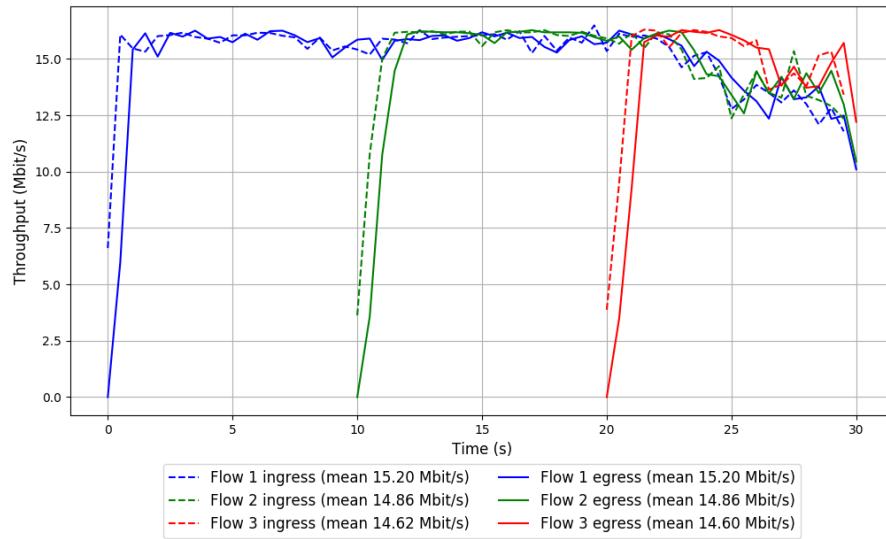


Run 4: Statistics of Sprout

```
Start at: 2019-11-24 17:36:05
End at: 2019-11-24 17:36:35
Local clock offset: 1.416 ms
Remote clock offset: -5.766 ms

# Below is generated by plot.py at 2019-11-24 18:39:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 30.464 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 15.20 Mbit/s
95th percentile per-packet one-way delay: 30.300 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 14.86 Mbit/s
95th percentile per-packet one-way delay: 30.903 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 14.60 Mbit/s
95th percentile per-packet one-way delay: 29.319 ms
Loss rate: 0.67%
```

Run 4: Report of Sprout — Data Link

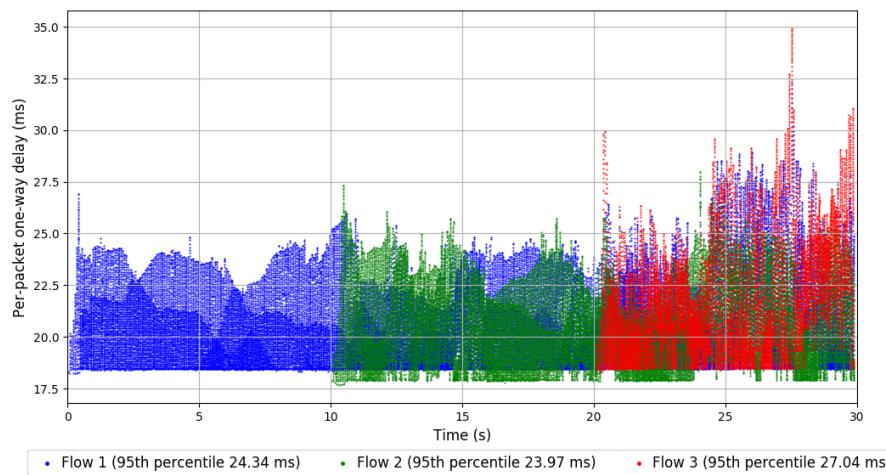
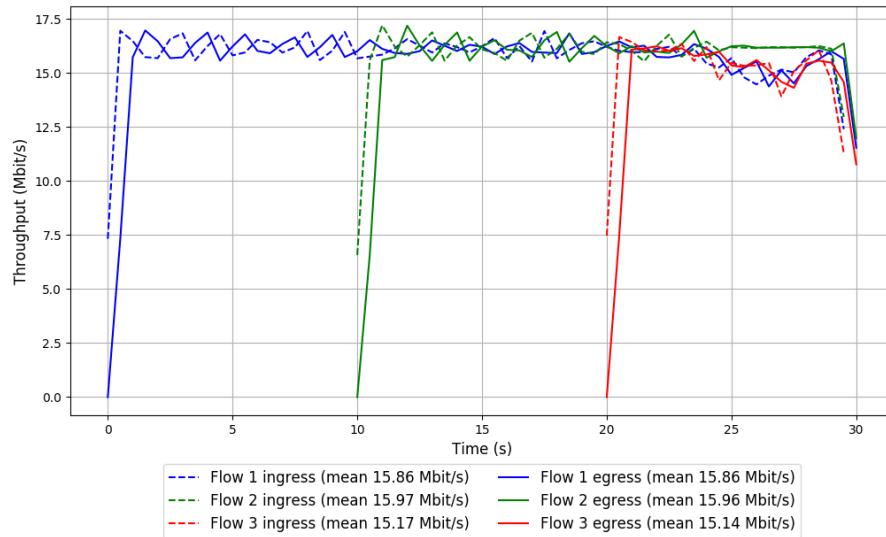


Run 5: Statistics of Sprout

```
Start at: 2019-11-24 18:08:43
End at: 2019-11-24 18:09:13
Local clock offset: 2.511 ms
Remote clock offset: -7.547 ms

# Below is generated by plot.py at 2019-11-24 18:39:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: 24.704 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 15.86 Mbit/s
95th percentile per-packet one-way delay: 24.343 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 23.971 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 15.14 Mbit/s
95th percentile per-packet one-way delay: 27.035 ms
Loss rate: 0.61%
```

Run 5: Report of Sprout — Data Link

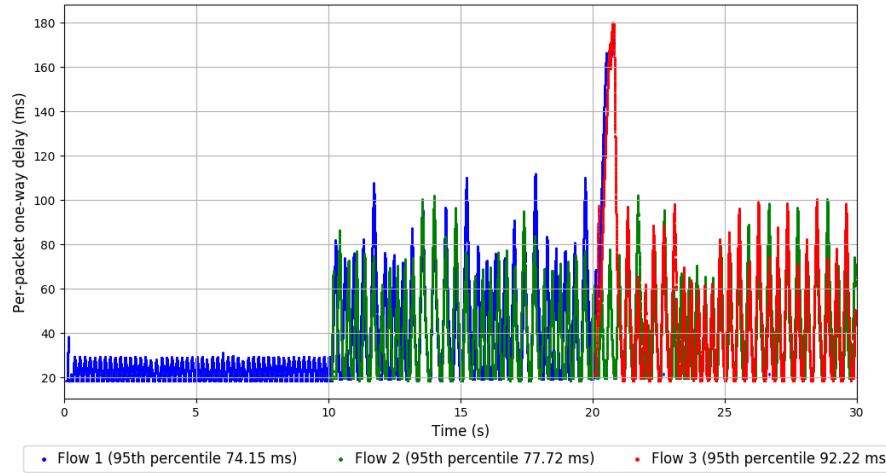
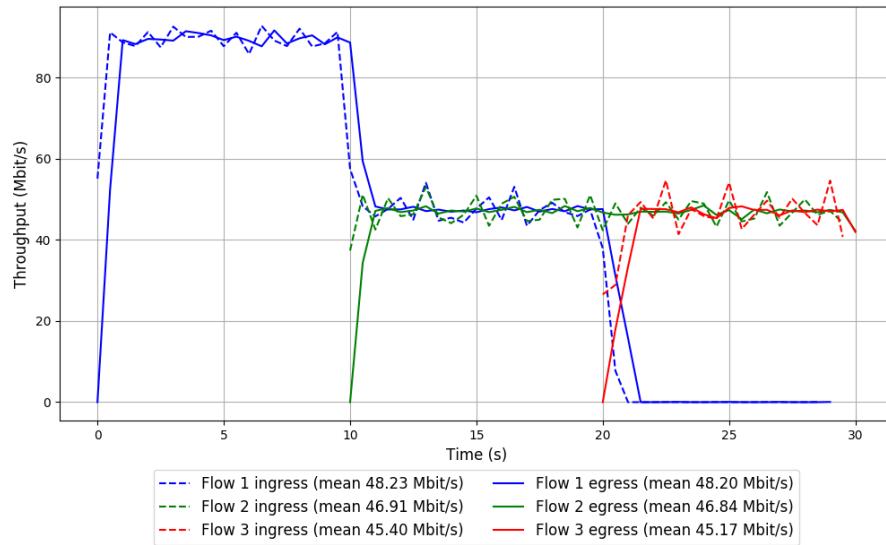


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-11-24 15:50:21
End at: 2019-11-24 15:50:51
Local clock offset: 2.606 ms
Remote clock offset: -4.092 ms

# Below is generated by plot.py at 2019-11-24 18:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 79.580 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 48.20 Mbit/s
95th percentile per-packet one-way delay: 74.152 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 77.717 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 45.17 Mbit/s
95th percentile per-packet one-way delay: 92.222 ms
Loss rate: 1.03%
```

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

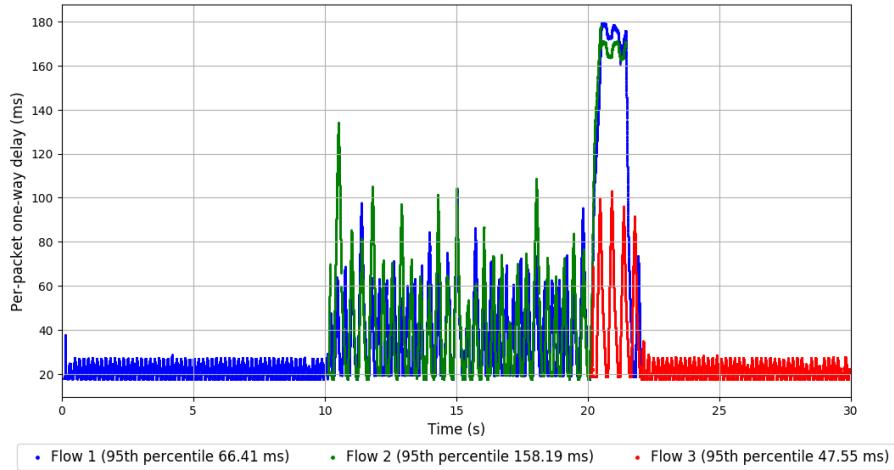
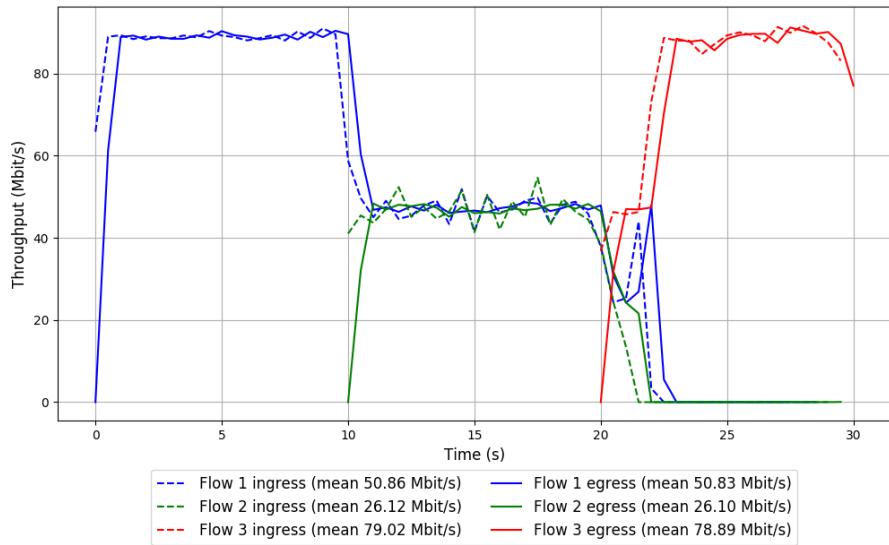


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-11-24 16:20:49
End at: 2019-11-24 16:21:19
Local clock offset: 3.894 ms
Remote clock offset: -2.851 ms

# Below is generated by plot.py at 2019-11-24 18:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.48 Mbit/s
95th percentile per-packet one-way delay: 75.691 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 50.83 Mbit/s
95th percentile per-packet one-way delay: 66.407 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 26.10 Mbit/s
95th percentile per-packet one-way delay: 158.195 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 78.89 Mbit/s
95th percentile per-packet one-way delay: 47.552 ms
Loss rate: 0.70%
```

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

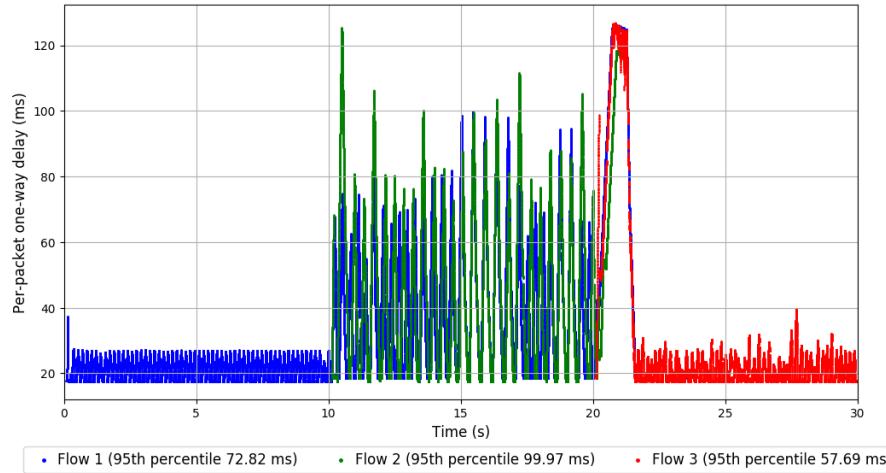
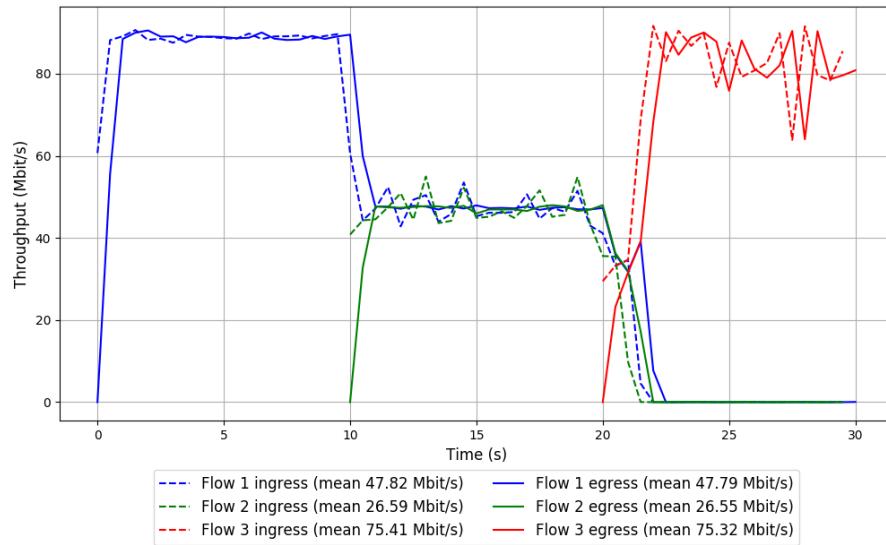


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-11-24 16:51:18
End at: 2019-11-24 16:51:48
Local clock offset: 2.189 ms
Remote clock offset: -5.016 ms

# Below is generated by plot.py at 2019-11-24 18:41:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.05 Mbit/s
95th percentile per-packet one-way delay: 82.656 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 47.79 Mbit/s
95th percentile per-packet one-way delay: 72.819 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 26.55 Mbit/s
95th percentile per-packet one-way delay: 99.975 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 75.32 Mbit/s
95th percentile per-packet one-way delay: 57.685 ms
Loss rate: 0.66%
```

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

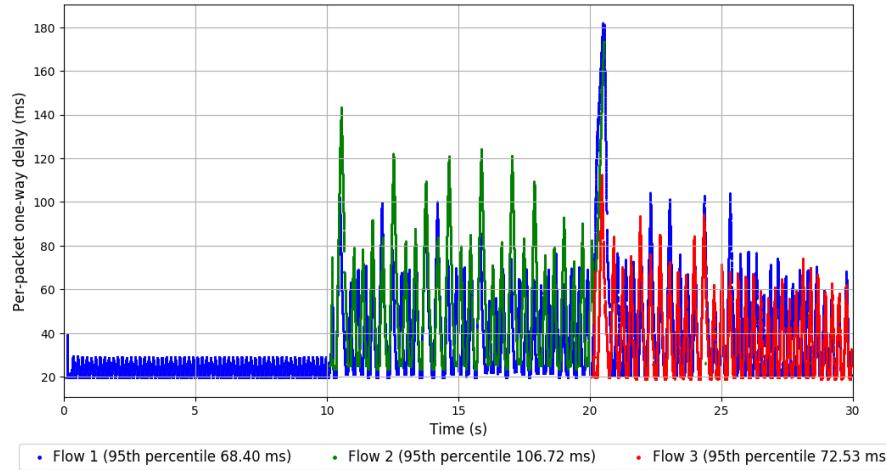
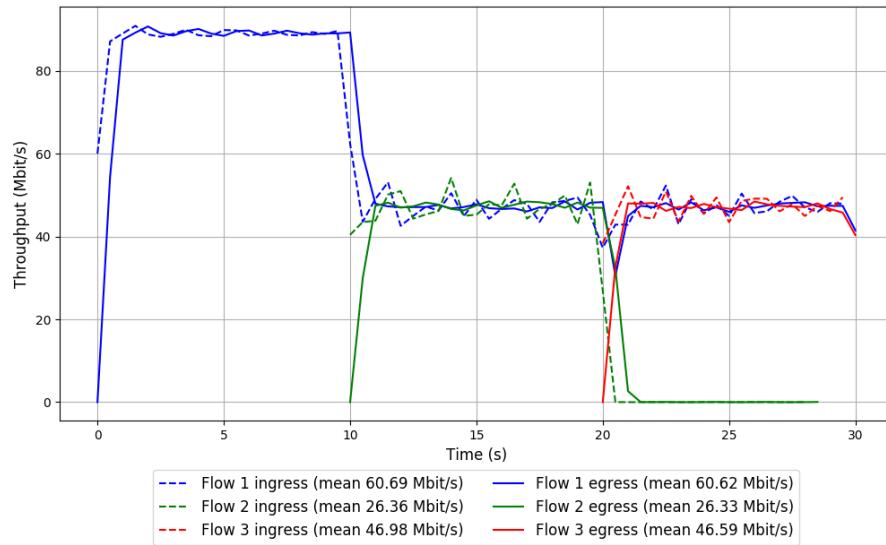


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-11-24 17:23:04
End at: 2019-11-24 17:23:34
Local clock offset: 2.503 ms
Remote clock offset: -6.51 ms

# Below is generated by plot.py at 2019-11-24 18:41:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.24 Mbit/s
95th percentile per-packet one-way delay: 79.177 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 60.62 Mbit/s
95th percentile per-packet one-way delay: 68.399 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 26.33 Mbit/s
95th percentile per-packet one-way delay: 106.719 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 46.59 Mbit/s
95th percentile per-packet one-way delay: 72.535 ms
Loss rate: 1.32%
```

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

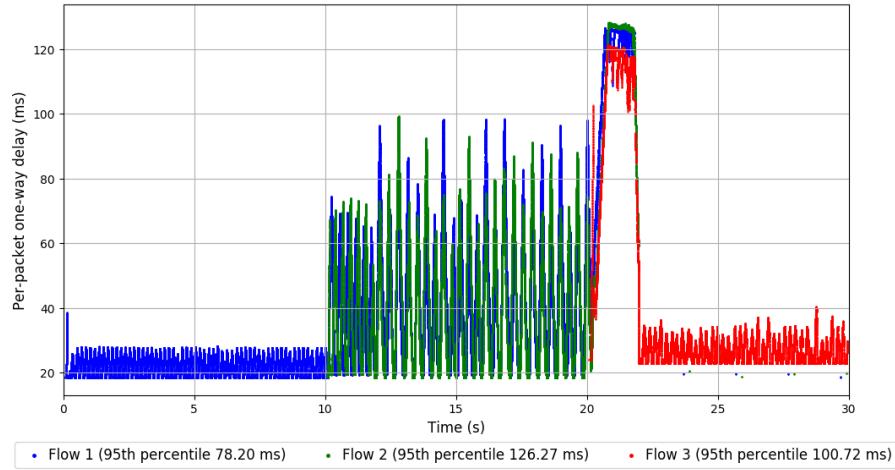
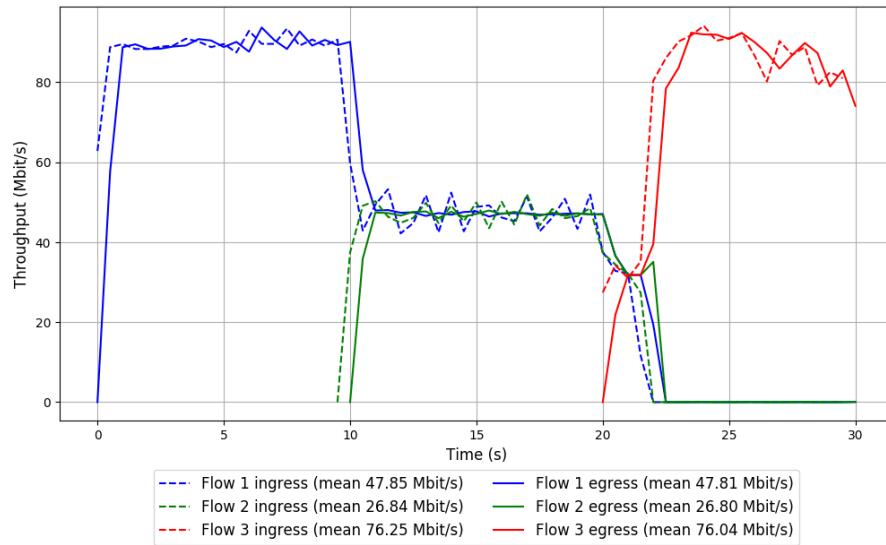


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-11-24 17:55:03
End at: 2019-11-24 17:55:33
Local clock offset: 4.005 ms
Remote clock offset: -6.298 ms

# Below is generated by plot.py at 2019-11-24 18:41:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 90.799 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 47.81 Mbit/s
95th percentile per-packet one-way delay: 78.204 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 26.80 Mbit/s
95th percentile per-packet one-way delay: 126.274 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 76.04 Mbit/s
95th percentile per-packet one-way delay: 100.723 ms
Loss rate: 0.82%
```

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

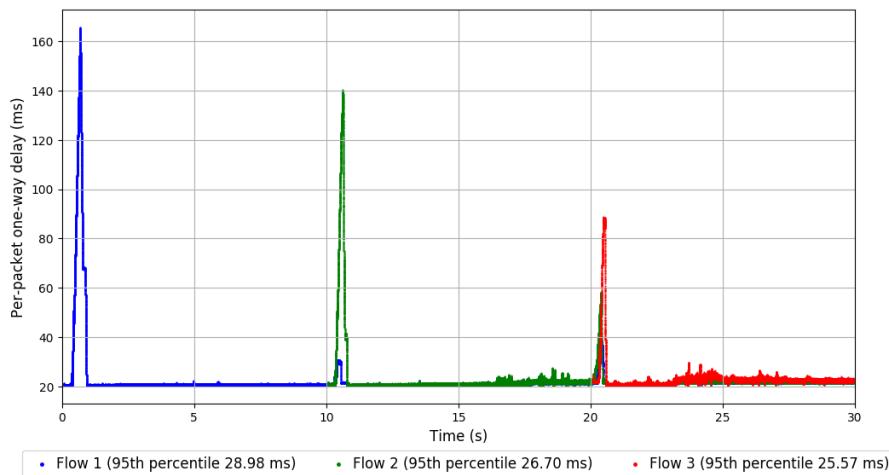
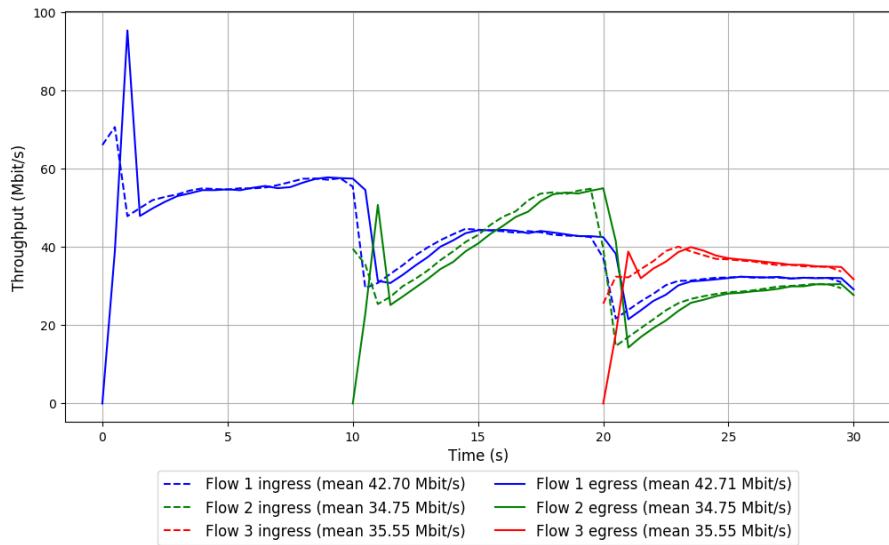


Run 1: Statistics of TCP Vegas

```
Start at: 2019-11-24 15:53:03
End at: 2019-11-24 15:53:33
Local clock offset: 3.04 ms
Remote clock offset: -5.44 ms

# Below is generated by plot.py at 2019-11-24 18:41:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.61 Mbit/s
95th percentile per-packet one-way delay: 26.428 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 42.71 Mbit/s
95th percentile per-packet one-way delay: 28.978 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 34.75 Mbit/s
95th percentile per-packet one-way delay: 26.705 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 35.55 Mbit/s
95th percentile per-packet one-way delay: 25.567 ms
Loss rate: 0.52%
```

Run 1: Report of TCP Vegas — Data Link

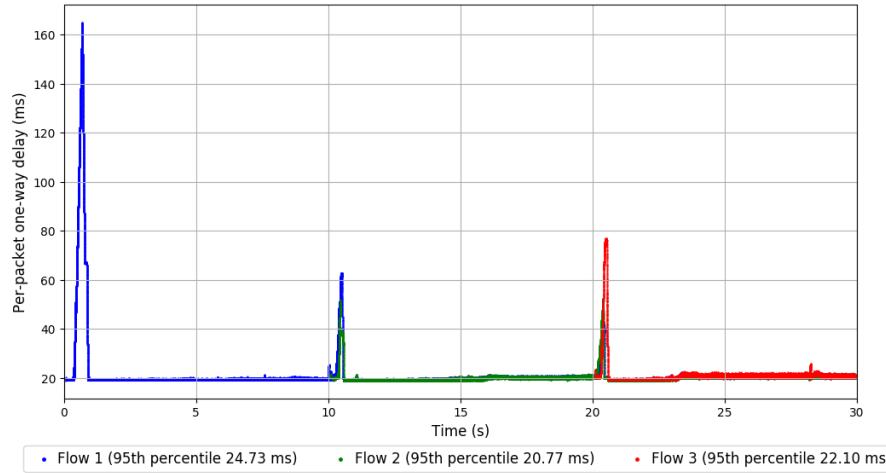
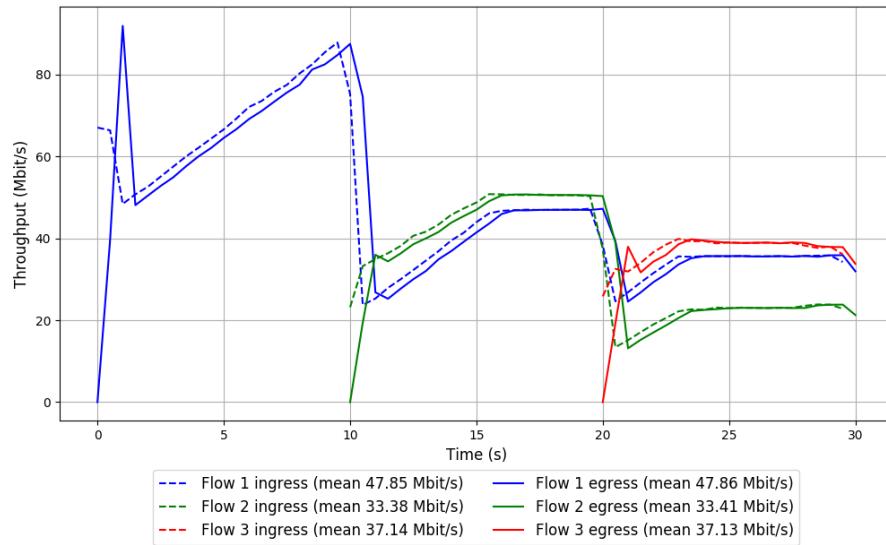


Run 2: Statistics of TCP Vegas

```
Start at: 2019-11-24 16:23:23
End at: 2019-11-24 16:23:53
Local clock offset: 3.654 ms
Remote clock offset: -4.467 ms

# Below is generated by plot.py at 2019-11-24 18:41:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.39 Mbit/s
95th percentile per-packet one-way delay: 22.036 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 47.86 Mbit/s
95th percentile per-packet one-way delay: 24.731 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 33.41 Mbit/s
95th percentile per-packet one-way delay: 20.772 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 22.102 ms
Loss rate: 0.54%
```

Run 2: Report of TCP Vegas — Data Link

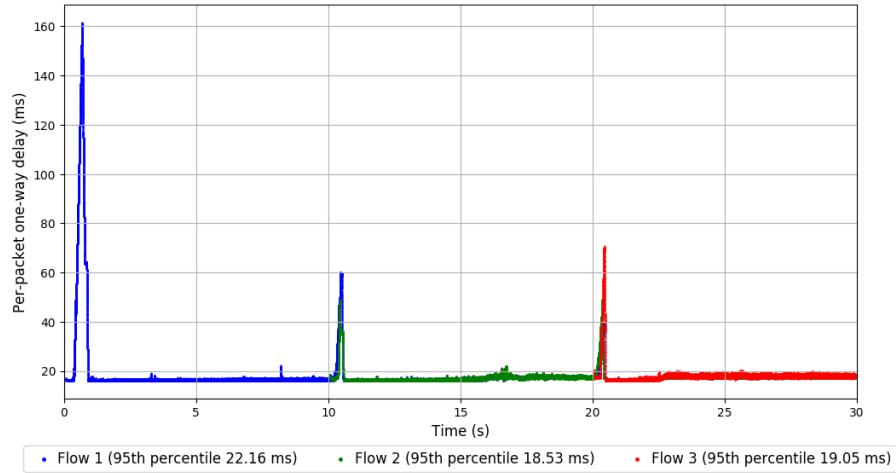
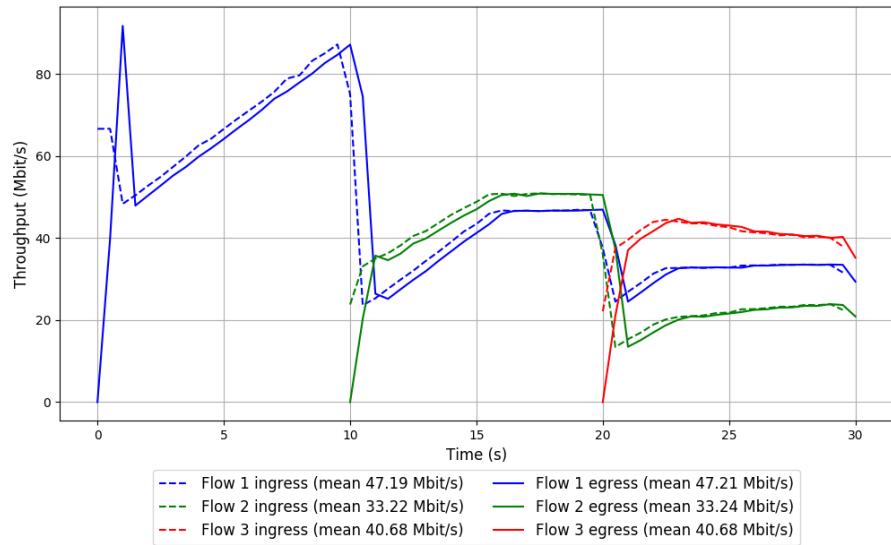


Run 3: Statistics of TCP Vegas

```
Start at: 2019-11-24 16:53:57
End at: 2019-11-24 16:54:27
Local clock offset: 2.363 ms
Remote clock offset: -3.411 ms

# Below is generated by plot.py at 2019-11-24 18:41:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 47.21 Mbit/s
95th percentile per-packet one-way delay: 22.156 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 33.24 Mbit/s
95th percentile per-packet one-way delay: 18.530 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 40.68 Mbit/s
95th percentile per-packet one-way delay: 19.049 ms
Loss rate: 0.52%
```

Run 3: Report of TCP Vegas — Data Link

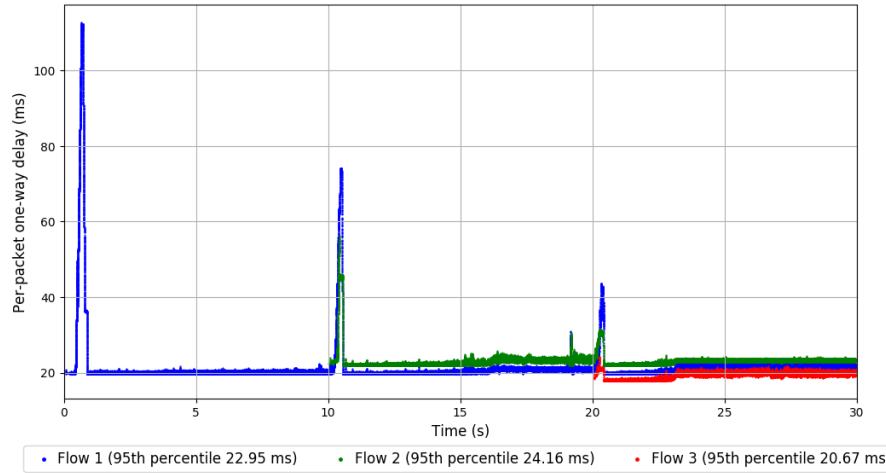
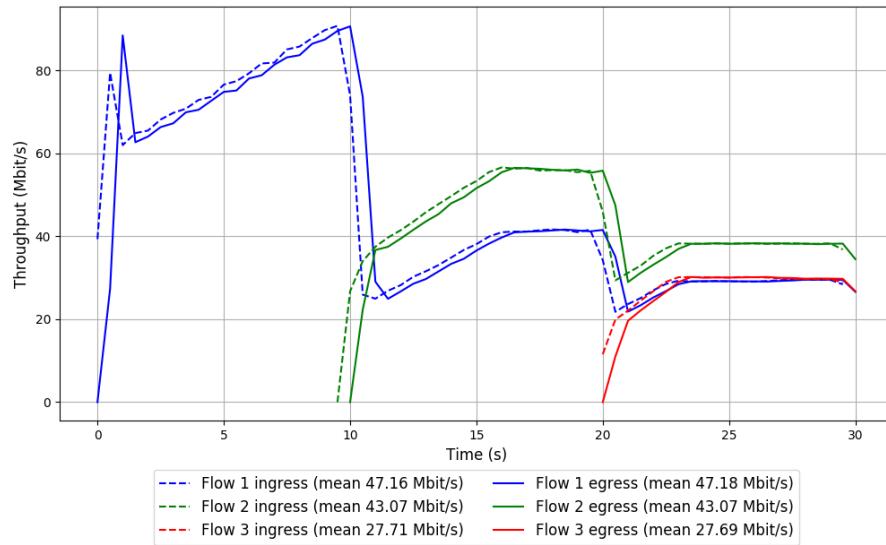


Run 4: Statistics of TCP Vegas

```
Start at: 2019-11-24 17:25:43
End at: 2019-11-24 17:26:13
Local clock offset: 1.718 ms
Remote clock offset: -5.613 ms

# Below is generated by plot.py at 2019-11-24 18:41:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.04 Mbit/s
95th percentile per-packet one-way delay: 23.913 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 47.18 Mbit/s
95th percentile per-packet one-way delay: 22.948 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 43.07 Mbit/s
95th percentile per-packet one-way delay: 24.163 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 27.69 Mbit/s
95th percentile per-packet one-way delay: 20.666 ms
Loss rate: 0.56%
```

Run 4: Report of TCP Vegas — Data Link

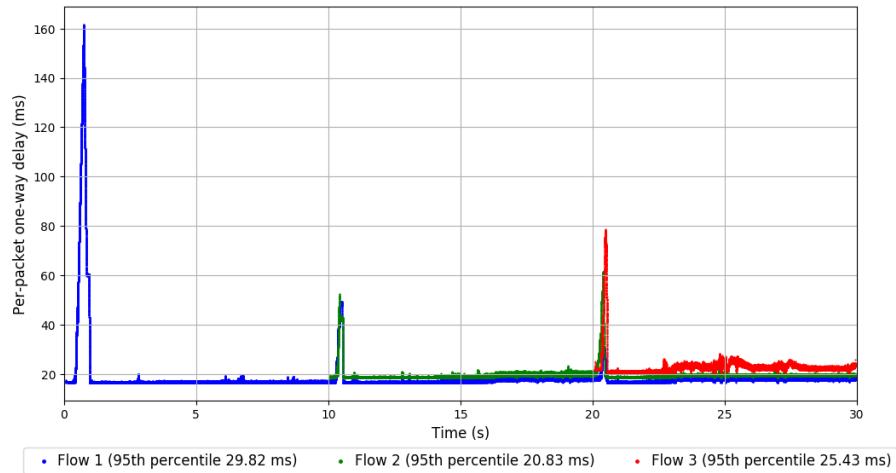
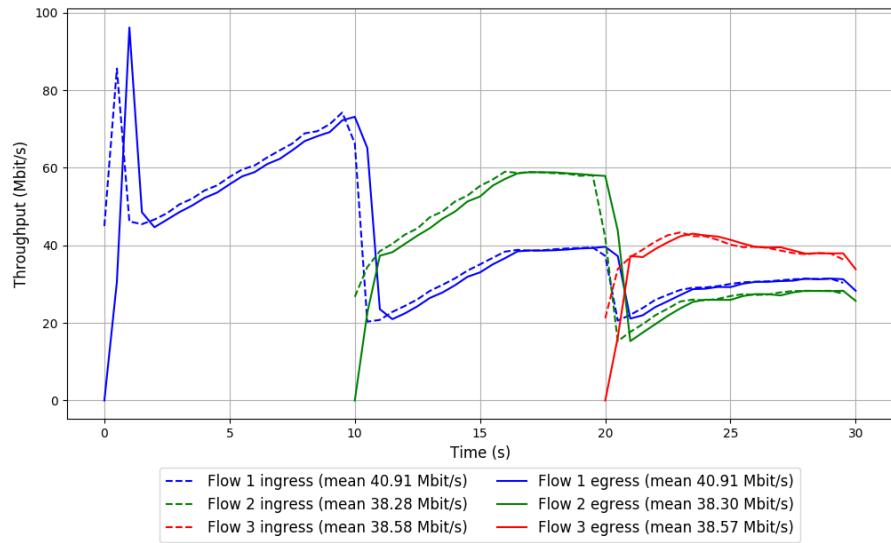


Run 5: Statistics of TCP Vegas

```
Start at: 2019-11-24 17:58:01
End at: 2019-11-24 17:58:31
Local clock offset: 0.664 ms
Remote clock offset: -7.28 ms

# Below is generated by plot.py at 2019-11-24 18:41:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.17 Mbit/s
95th percentile per-packet one-way delay: 24.725 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 29.815 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 38.30 Mbit/s
95th percentile per-packet one-way delay: 20.834 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 38.57 Mbit/s
95th percentile per-packet one-way delay: 25.434 ms
Loss rate: 0.54%
```

Run 5: Report of TCP Vegas — Data Link

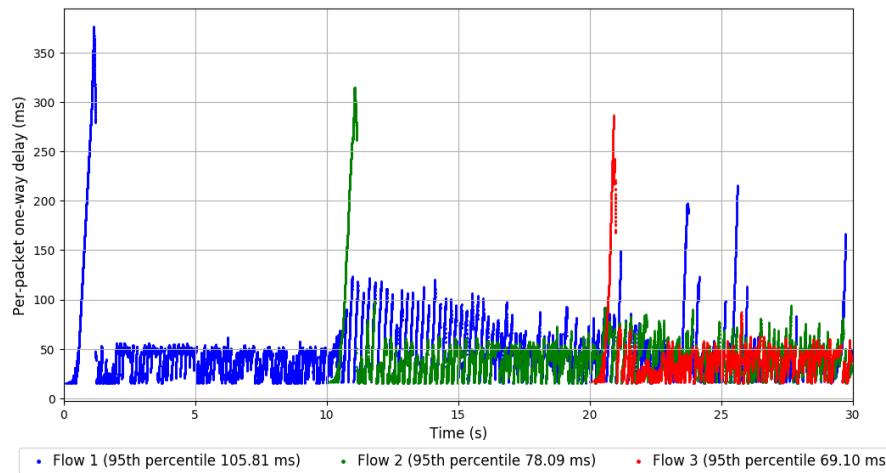
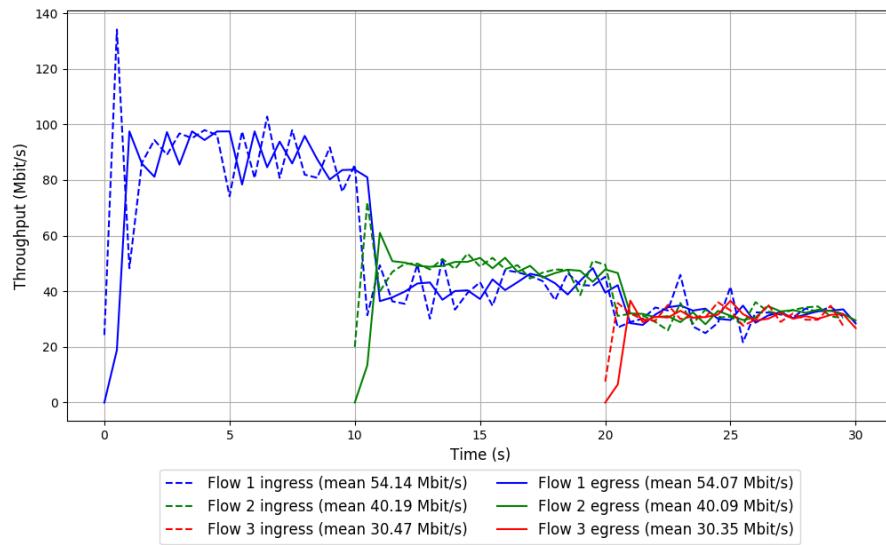


Run 1: Statistics of Verus

```
Start at: 2019-11-24 15:55:36
End at: 2019-11-24 15:56:06
Local clock offset: 1.11 ms
Remote clock offset: -2.273 ms

# Below is generated by plot.py at 2019-11-24 18:41:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 98.276 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 54.07 Mbit/s
95th percentile per-packet one-way delay: 105.813 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 40.09 Mbit/s
95th percentile per-packet one-way delay: 78.088 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 30.35 Mbit/s
95th percentile per-packet one-way delay: 69.097 ms
Loss rate: 0.89%
```

Run 1: Report of Verus — Data Link

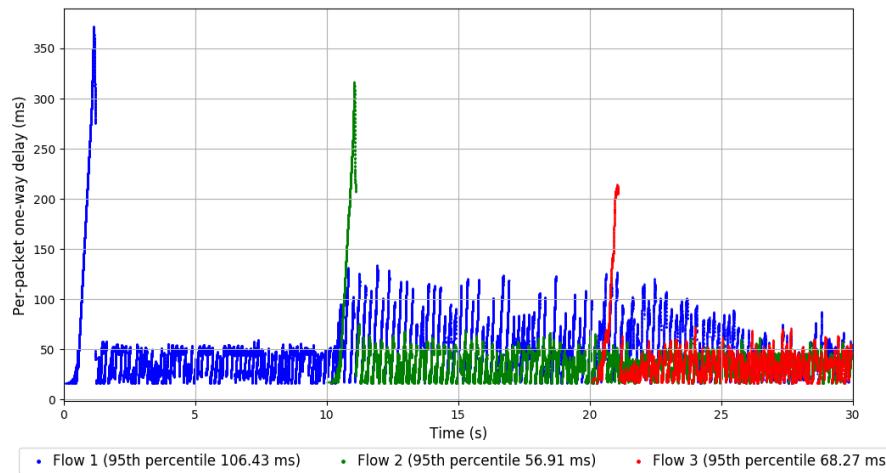
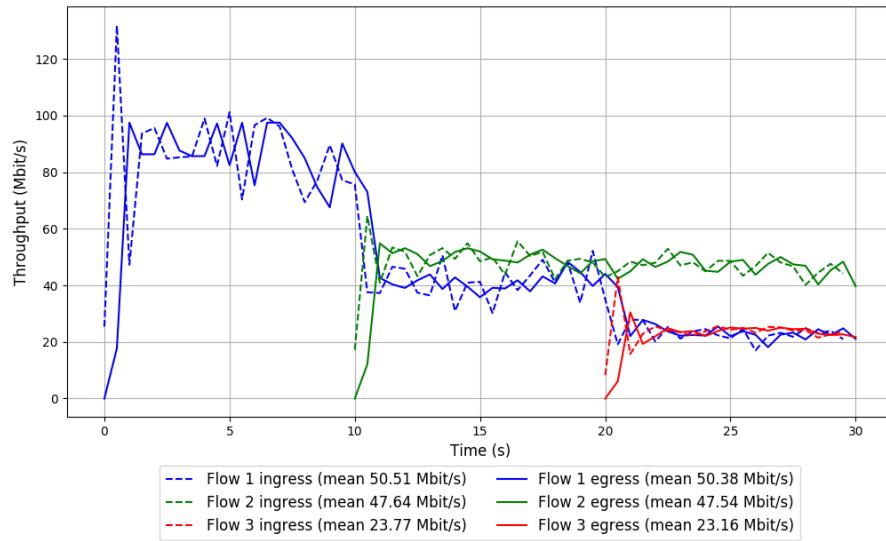


Run 2: Statistics of Verus

```
Start at: 2019-11-24 16:25:53
End at: 2019-11-24 16:26:23
Local clock offset: 1.032 ms
Remote clock offset: -4.471 ms

# Below is generated by plot.py at 2019-11-24 18:42:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: 98.181 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 106.429 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 47.54 Mbit/s
95th percentile per-packet one-way delay: 56.906 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 68.268 ms
Loss rate: 3.07%
```

Run 2: Report of Verus — Data Link

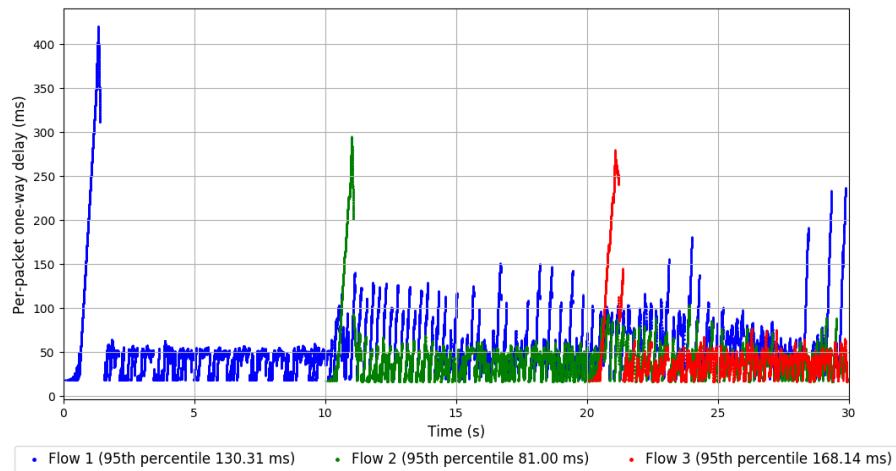
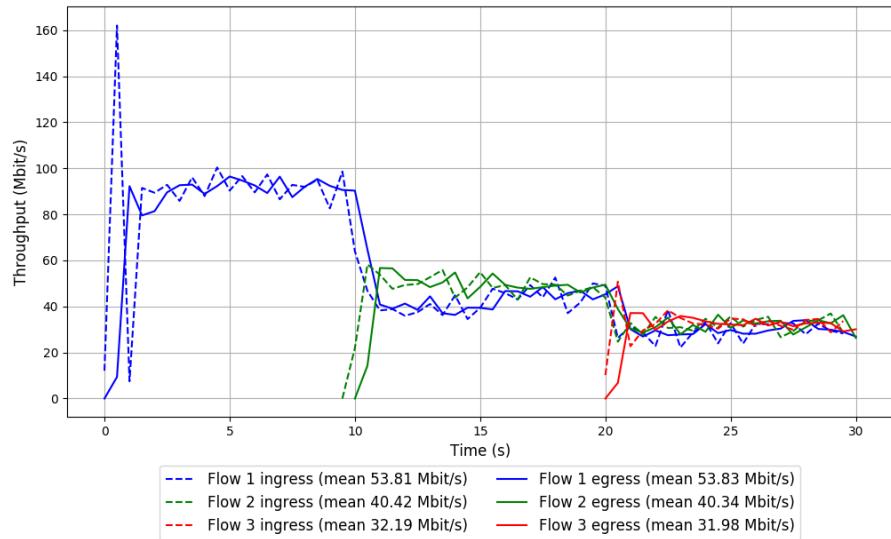


Run 3: Statistics of Verus

```
Start at: 2019-11-24 16:56:41
End at: 2019-11-24 16:57:11
Local clock offset: 1.971 ms
Remote clock offset: -5.207 ms

# Below is generated by plot.py at 2019-11-24 18:42:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.19 Mbit/s
95th percentile per-packet one-way delay: 122.498 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 53.83 Mbit/s
95th percentile per-packet one-way delay: 130.310 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 80.996 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 31.98 Mbit/s
95th percentile per-packet one-way delay: 168.136 ms
Loss rate: 1.14%
```

Run 3: Report of Verus — Data Link

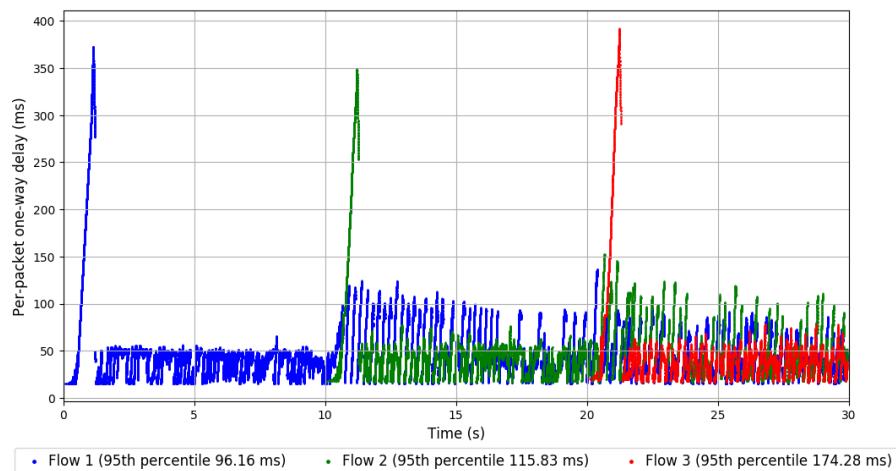
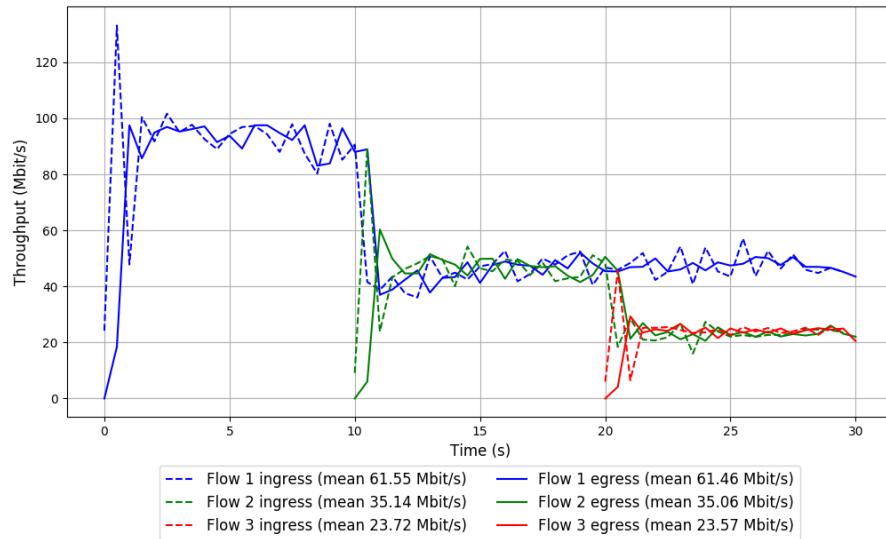


Run 4: Statistics of Verus

```
Start at: 2019-11-24 17:28:18
End at: 2019-11-24 17:28:48
Local clock offset: 0.071 ms
Remote clock offset: -4.482 ms

# Below is generated by plot.py at 2019-11-24 18:42:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.58 Mbit/s
95th percentile per-packet one-way delay: 101.696 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 61.46 Mbit/s
95th percentile per-packet one-way delay: 96.160 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 115.831 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 174.276 ms
Loss rate: 1.17%
```

Run 4: Report of Verus — Data Link

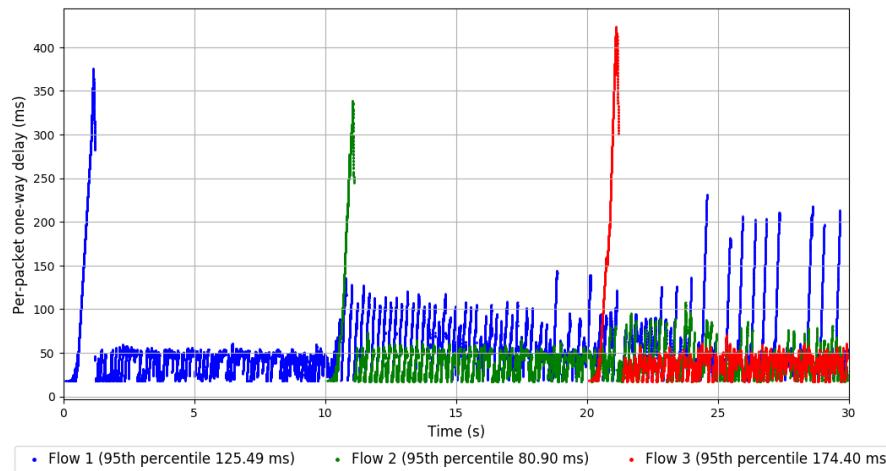
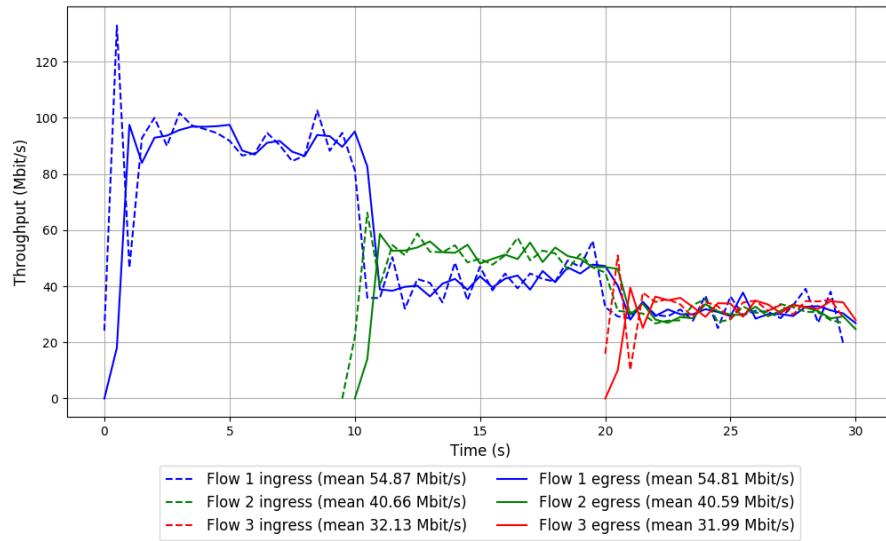


Run 5: Statistics of Verus

```
Start at: 2019-11-24 18:00:49
End at: 2019-11-24 18:01:19
Local clock offset: 4.439 ms
Remote clock offset: -4.659 ms

# Below is generated by plot.py at 2019-11-24 18:42:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 117.740 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 54.81 Mbit/s
95th percentile per-packet one-way delay: 125.487 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 80.898 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 31.99 Mbit/s
95th percentile per-packet one-way delay: 174.396 ms
Loss rate: 0.91%
```

Run 5: Report of Verus — Data Link

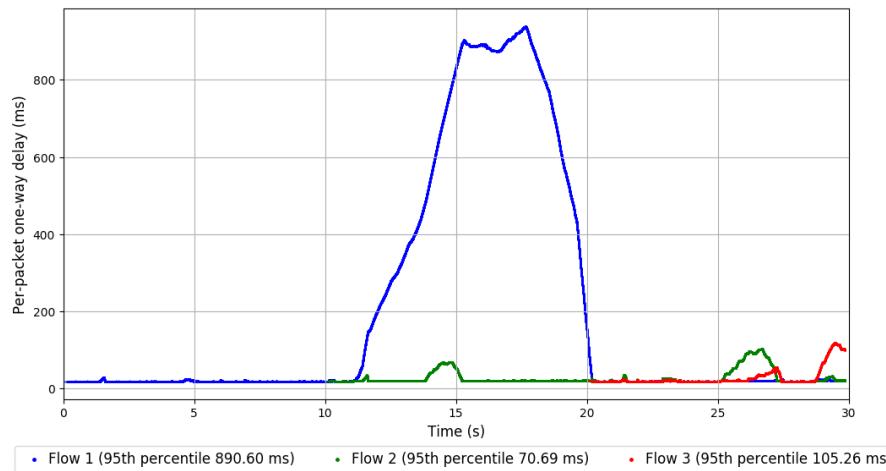
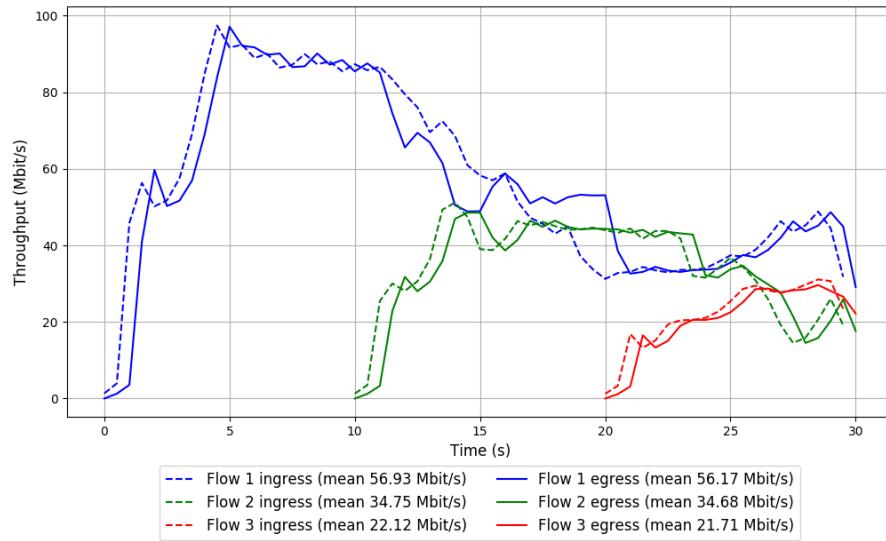


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-11-24 15:48:57
End at: 2019-11-24 15:49:27
Local clock offset: 3.428 ms
Remote clock offset: -3.974 ms

# Below is generated by plot.py at 2019-11-24 18:42:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.36 Mbit/s
95th percentile per-packet one-way delay: 878.261 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 56.17 Mbit/s
95th percentile per-packet one-way delay: 890.598 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 70.687 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 21.71 Mbit/s
95th percentile per-packet one-way delay: 105.262 ms
Loss rate: 2.34%
```

Run 1: Report of PCC-Vivace — Data Link

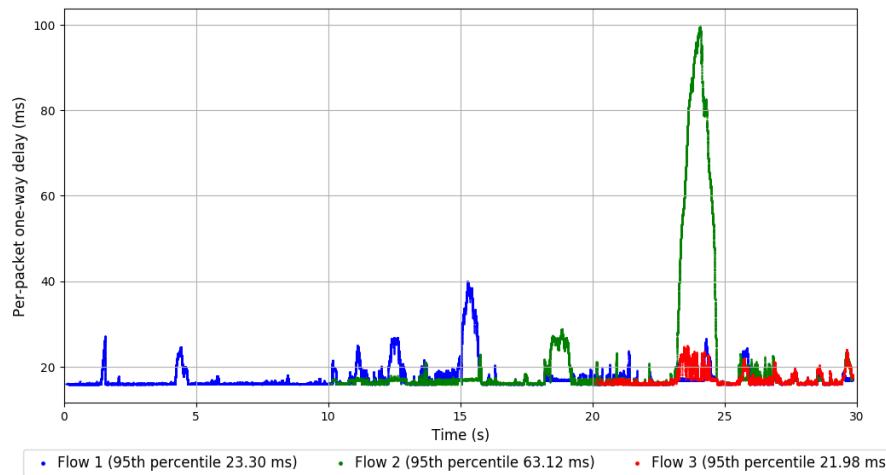
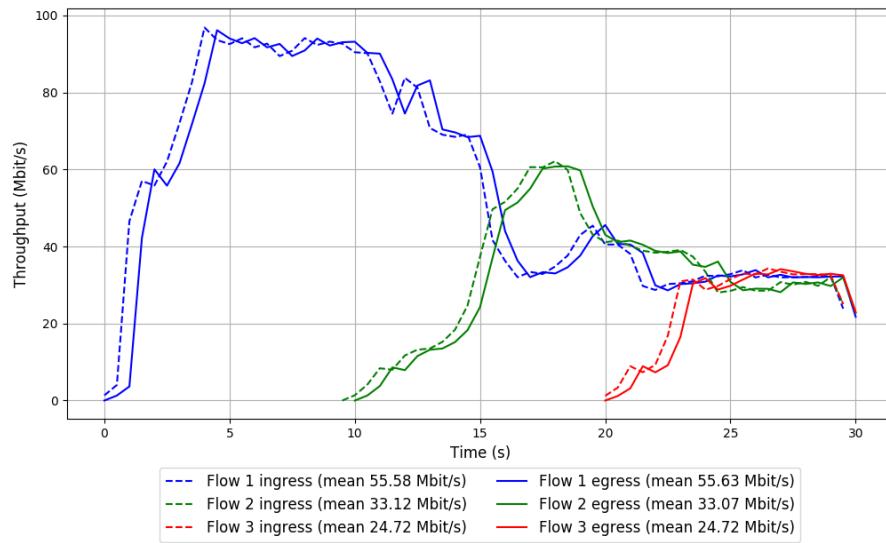


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-11-24 16:19:33
End at: 2019-11-24 16:20:03
Local clock offset: 2.323 ms
Remote clock offset: -2.386 ms

# Below is generated by plot.py at 2019-11-24 18:42:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.75 Mbit/s
95th percentile per-packet one-way delay: 25.753 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 55.63 Mbit/s
95th percentile per-packet one-way delay: 23.296 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 33.07 Mbit/s
95th percentile per-packet one-way delay: 63.121 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 21.976 ms
Loss rate: 0.67%
```

Run 2: Report of PCC-Vivace — Data Link

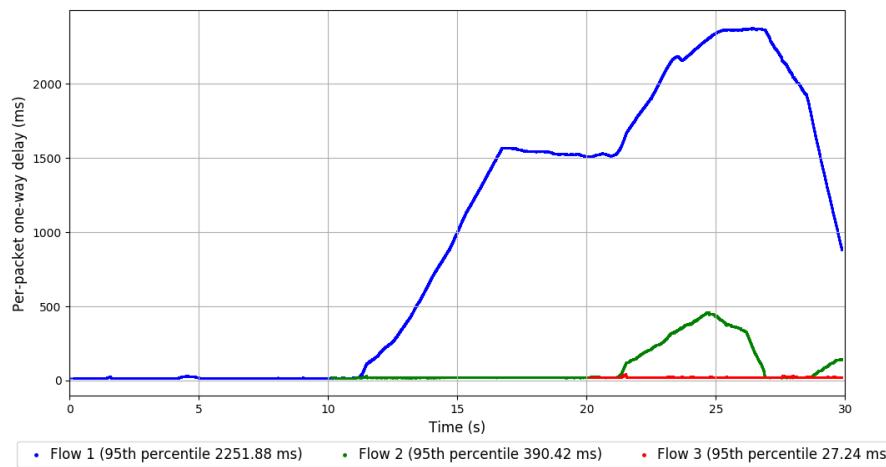
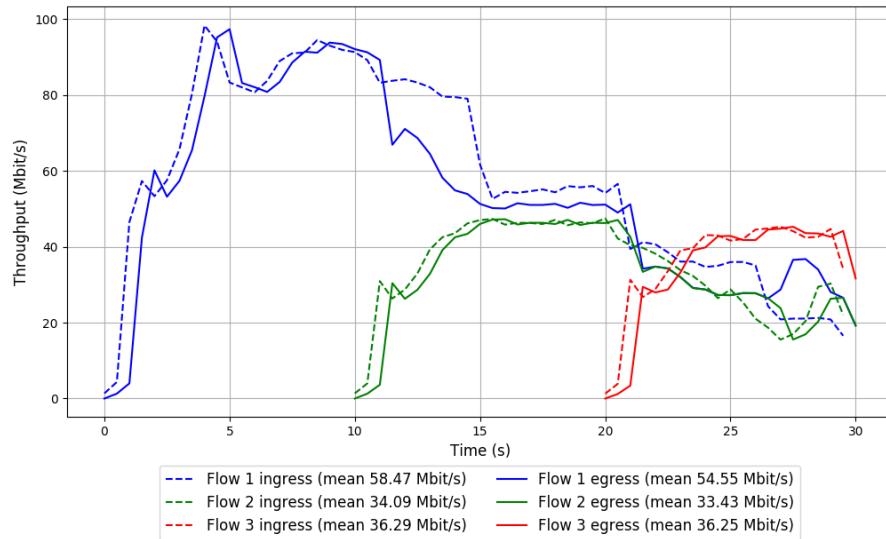


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-11-24 16:50:02
End at: 2019-11-24 16:50:32
Local clock offset: 5.164 ms
Remote clock offset: -1.47 ms

# Below is generated by plot.py at 2019-11-24 18:42:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.71 Mbit/s
95th percentile per-packet one-way delay: 2118.763 ms
Loss rate: 4.92%
-- Flow 1:
Average throughput: 54.55 Mbit/s
95th percentile per-packet one-way delay: 2251.878 ms
Loss rate: 6.86%
-- Flow 2:
Average throughput: 33.43 Mbit/s
95th percentile per-packet one-way delay: 390.417 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 27.243 ms
Loss rate: 0.63%
```

Run 3: Report of PCC-Vivace — Data Link

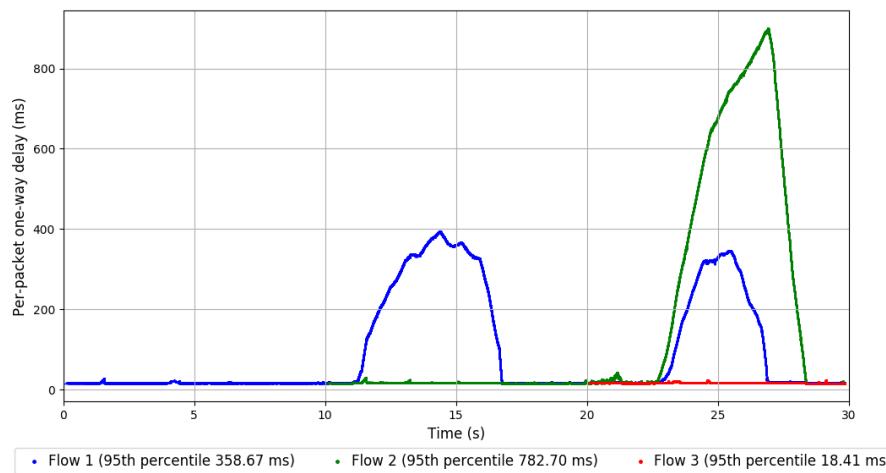
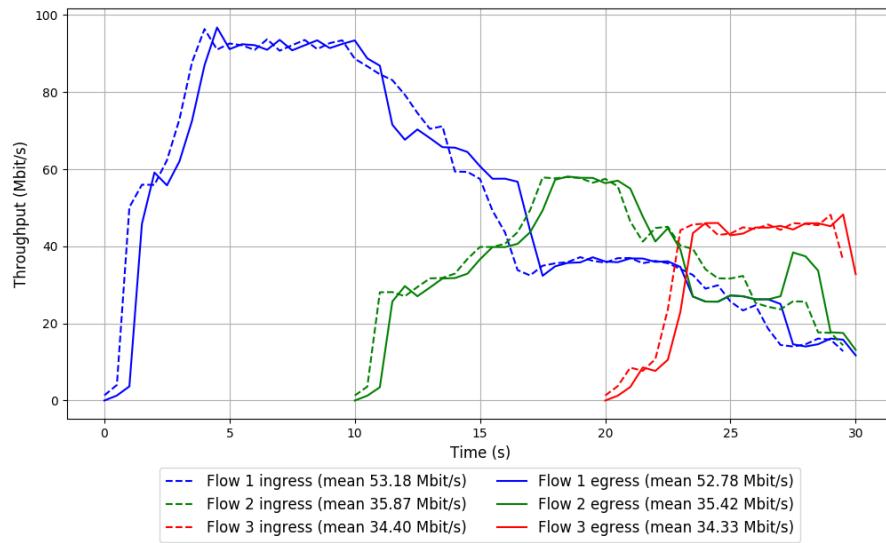


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-11-24 17:21:44
End at: 2019-11-24 17:22:14
Local clock offset: 0.895 ms
Remote clock offset: -3.724 ms

# Below is generated by plot.py at 2019-11-24 18:42:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.62 Mbit/s
95th percentile per-packet one-way delay: 380.669 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 52.78 Mbit/s
95th percentile per-packet one-way delay: 358.667 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 35.42 Mbit/s
95th percentile per-packet one-way delay: 782.698 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 18.412 ms
Loss rate: 0.73%
```

Run 4: Report of PCC-Vivace — Data Link

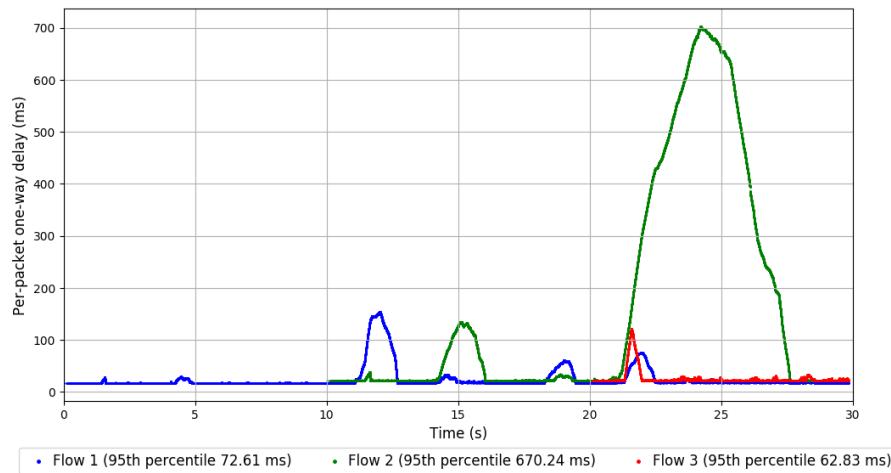
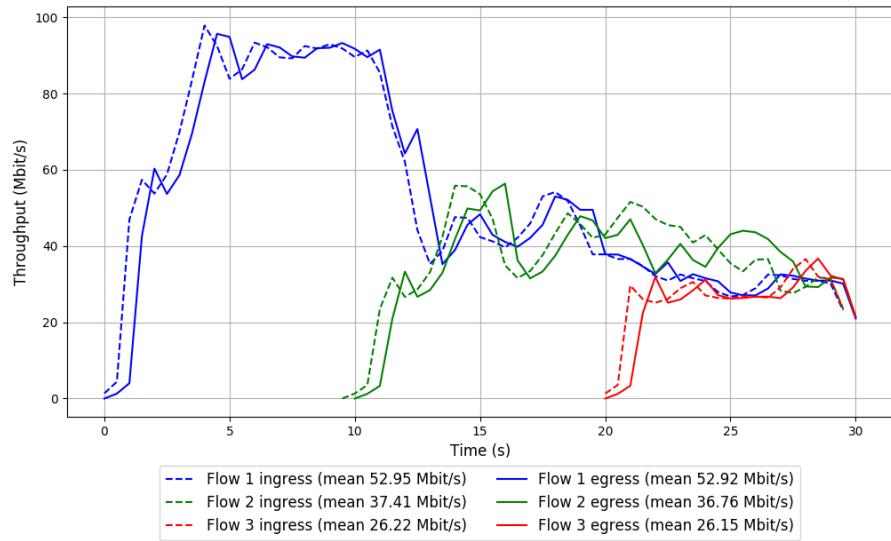


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-11-24 17:53:36
End at: 2019-11-24 17:54:06
Local clock offset: 2.983 ms
Remote clock offset: -5.642 ms

# Below is generated by plot.py at 2019-11-24 18:43:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.97 Mbit/s
95th percentile per-packet one-way delay: 444.945 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 52.92 Mbit/s
95th percentile per-packet one-way delay: 72.613 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 670.241 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 26.15 Mbit/s
95th percentile per-packet one-way delay: 62.833 ms
Loss rate: 0.78%
```

Run 5: Report of PCC-Vivace — Data Link

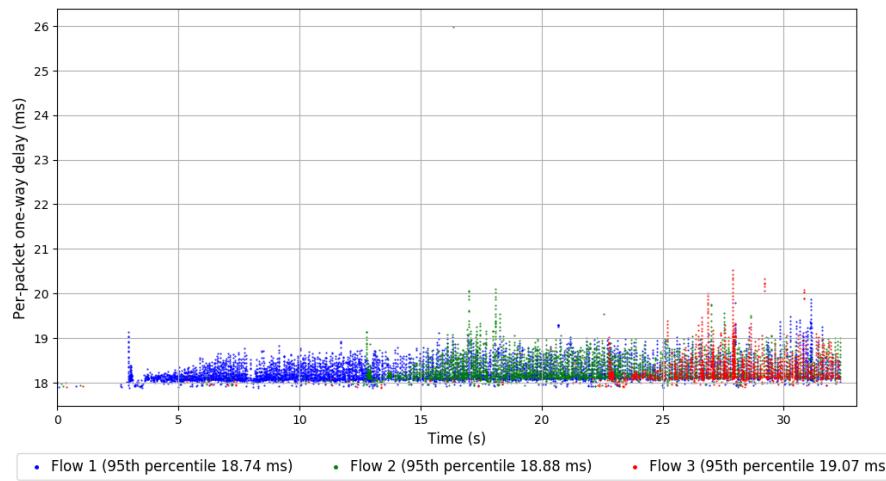
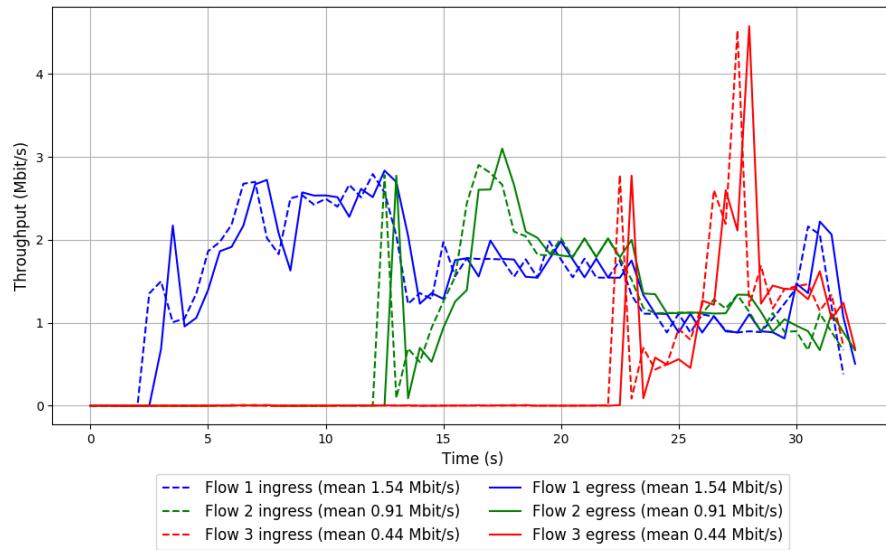


```
Run 1: Statistics of WebRTC media
```

```
Start at: 2019-11-24 15:56:56
End at: 2019-11-24 15:57:26
Local clock offset: 2.336 ms
Remote clock offset: -3.373 ms

# Below is generated by plot.py at 2019-11-24 18:43:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.88 Mbit/s
95th percentile per-packet one-way delay: 18.856 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 18.740 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 18.883 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 19.072 ms
Loss rate: 0.80%
```

Run 1: Report of WebRTC media — Data Link

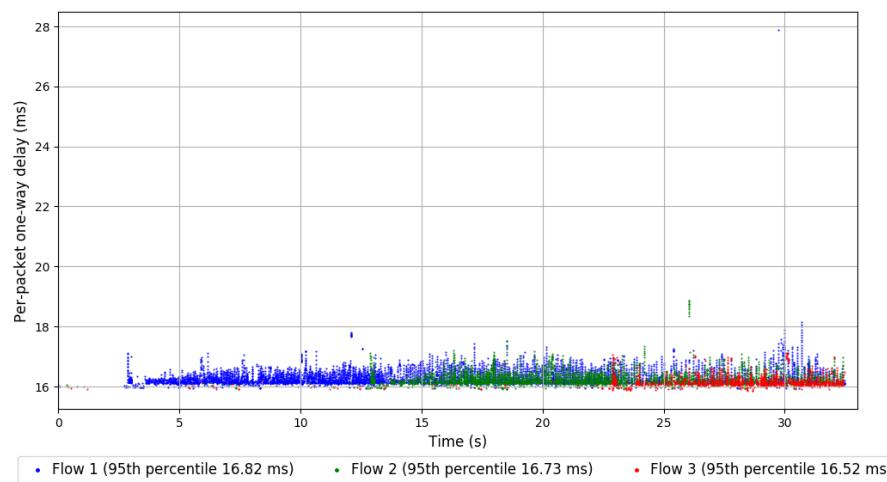
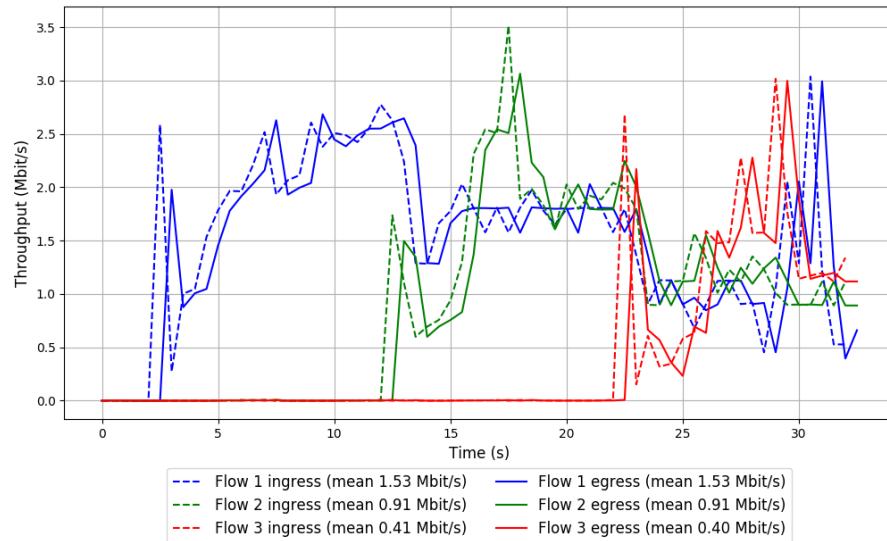


Run 2: Statistics of WebRTC media

```
Start at: 2019-11-24 16:27:10
End at: 2019-11-24 16:27:40
Local clock offset: 1.737 ms
Remote clock offset: -3.565 ms

# Below is generated by plot.py at 2019-11-24 18:43:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.83 Mbit/s
95th percentile per-packet one-way delay: 16.776 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 16.823 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 16.733 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 16.525 ms
Loss rate: 0.85%
```

Run 2: Report of WebRTC media — Data Link

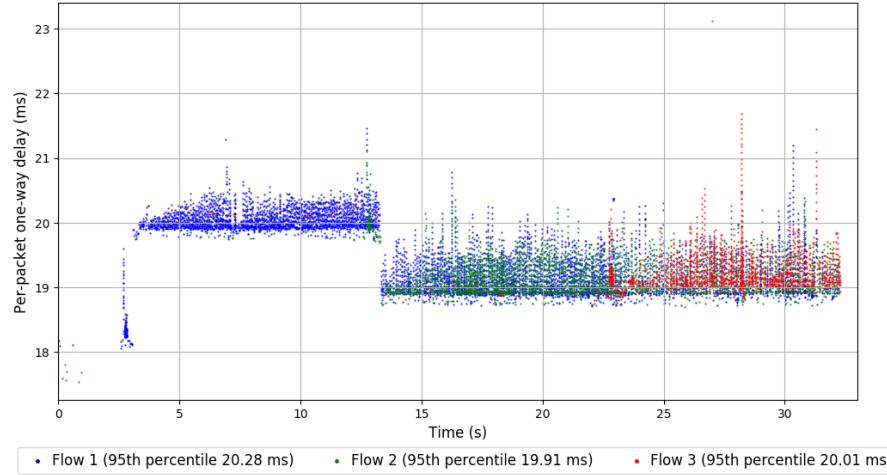
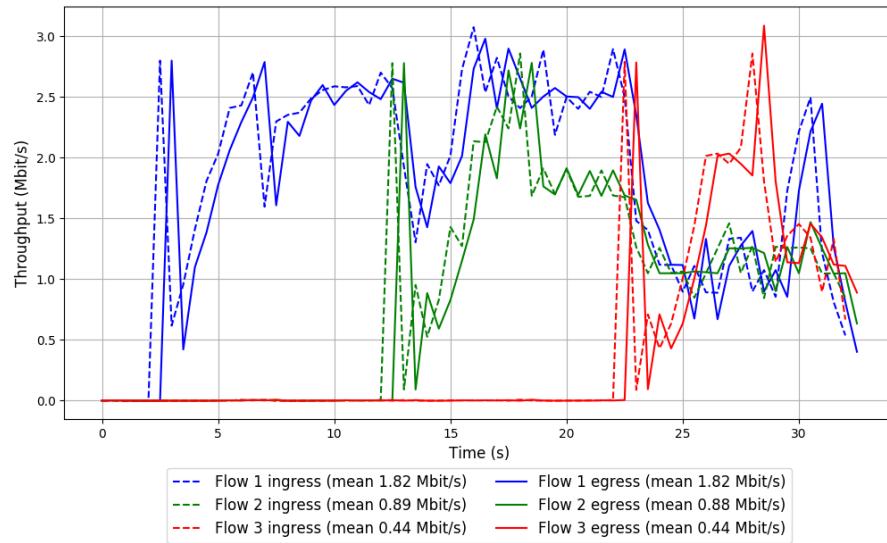


Run 3: Statistics of WebRTC media

```
Start at: 2019-11-24 16:58:01
End at: 2019-11-24 16:58:31
Local clock offset: 3.508 ms
Remote clock offset: -5.265 ms

# Below is generated by plot.py at 2019-11-24 18:43:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 20.217 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 20.279 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.88 Mbit/s
95th percentile per-packet one-way delay: 19.912 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 20.014 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

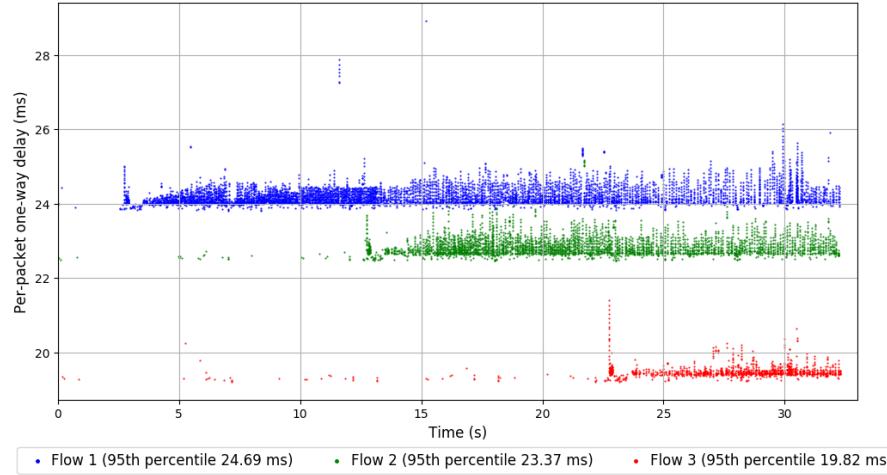
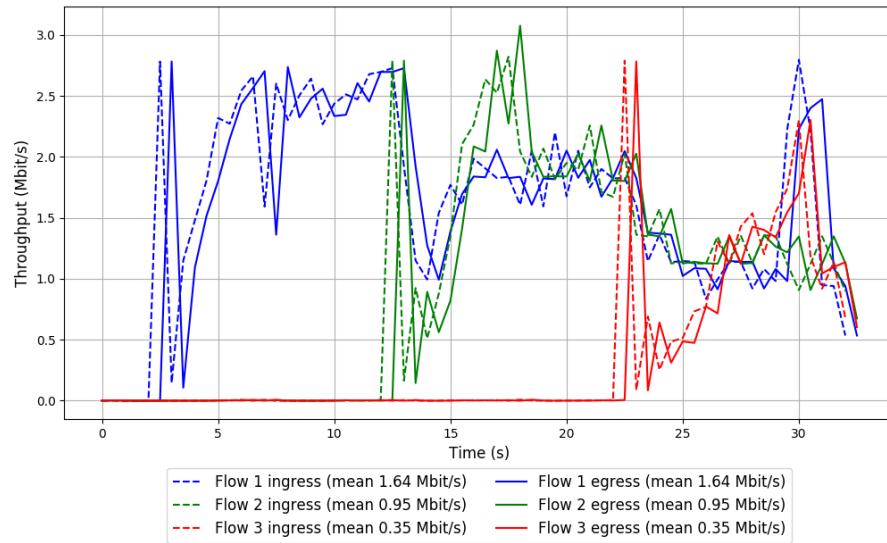


Run 4: Statistics of WebRTC media

```
Start at: 2019-11-24 17:29:36
End at: 2019-11-24 17:30:06
Local clock offset: 2.479 ms
Remote clock offset: -6.777 ms

# Below is generated by plot.py at 2019-11-24 18:43:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.93 Mbit/s
95th percentile per-packet one-way delay: 24.565 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 24.690 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 23.369 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 19.818 ms
Loss rate: 0.34%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-11-24 18:02:08
End at: 2019-11-24 18:02:38
Local clock offset: 1.451 ms
Remote clock offset: -3.984 ms

# Below is generated by plot.py at 2019-11-24 18:43:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 17.289 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 16.195 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 17.574 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 16.504 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

