

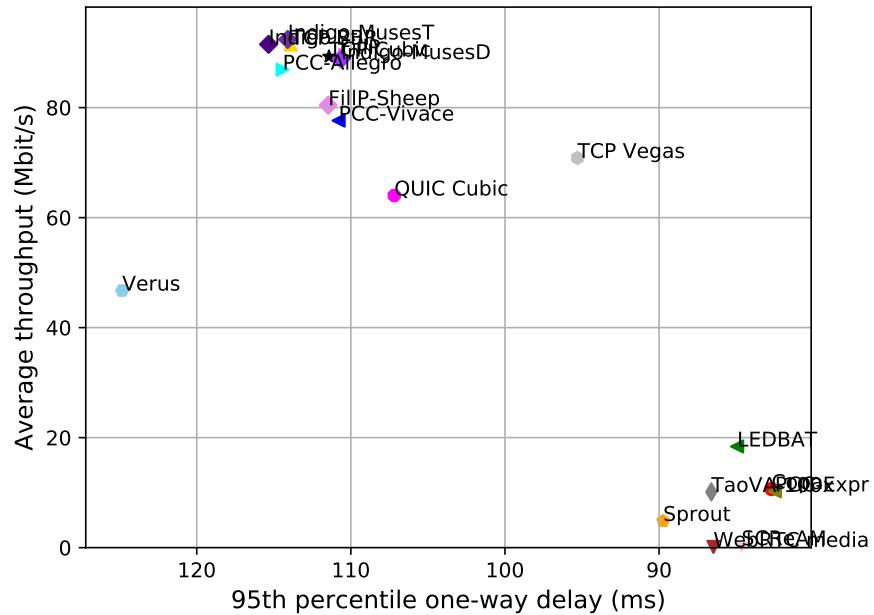
Pantheon Report

Generated at 2019-01-03 02:13:52 (UTC).
Data path: AWS Brazil 2 on `ens5` (*local*) → Colombia on `p4p1` (*remote*).
Repeated the test of 19 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 `gps.ntp.br` and have been applied to correct the timestamps in logs.

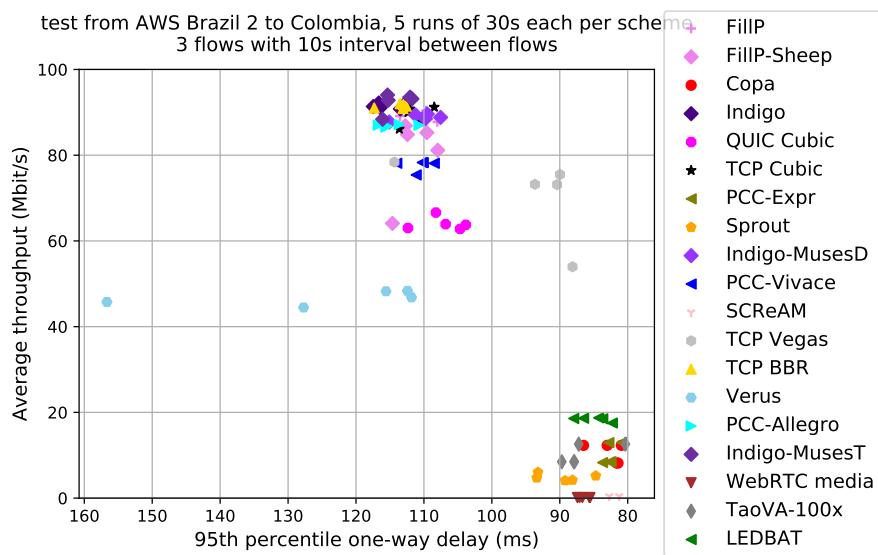
```
System info:  
Linux 4.15.0-1029-aws  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
Git summary:  
branch: muses @ c654af0b7d59d4ef4b914cfac404e1fc2e96dc68  
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519  
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9  
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4  
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf  
third_party/muses @ 65ac1b19bbefed0c6349ae986009b4fa8643c40a  
third_party/muses-refactored @ 31f8f0ba8ef8b1da76c2bc0cd0a7850c33ff64fb  
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd  
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1  
M receiver/src/buffer.h  
M receiver/src/core.cpp  
M sender/src/buffer.h  
M sender/src/core.cpp  
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab  
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42  
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2  
M src/ScreamClient  
M src/ScreamServer  
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26  
M src/examples/cellsim.cc  
M src/examples/sproutbt2.cc  
M src/network/sproutconn.cc  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
M src/verus.hpp
```

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

test from AWS Brazil 2 to Colombia, 5 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



4

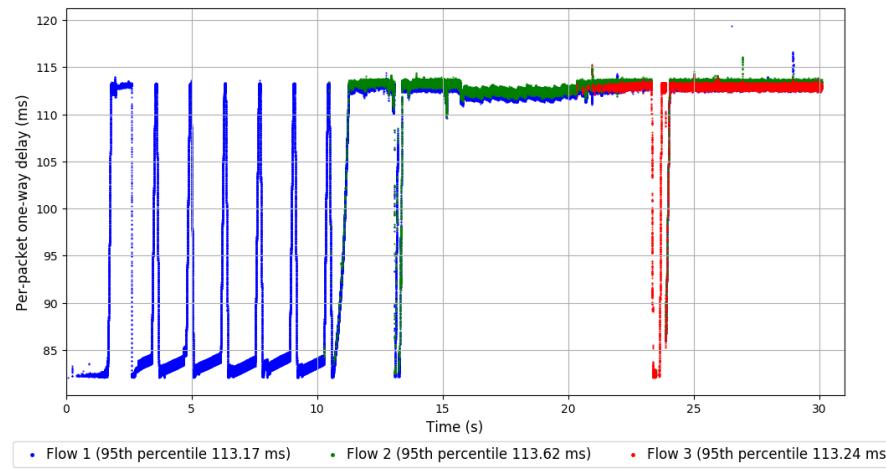
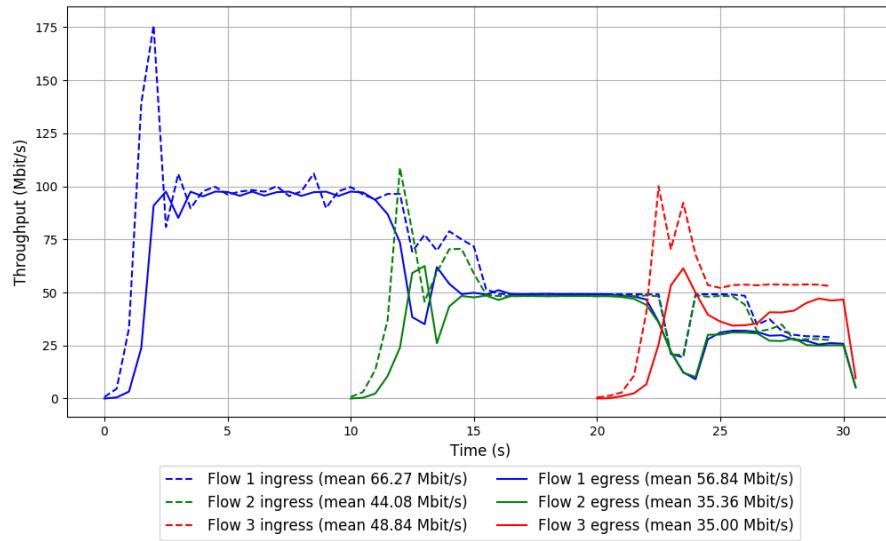
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	55.65	37.52	33.24	112.88	113.56	112.45	13.79	20.27	29.03
Copa	5	5.12	7.97	0.70	83.00	81.91	82.41	83.98	74.14	81.11
TCP Cubic	5	68.38	22.60	17.59	111.36	111.73	106.64	0.86	0.20	0.37
FillP	5	43.16	56.66	26.74	110.31	110.29	111.55	12.69	18.57	27.02
FillP-Sheep	5	23.71	72.82	25.11	107.75	111.59	111.64	8.39	6.14	14.88
Indigo	5	64.25	26.44	30.62	114.40	114.80	114.82	10.97	29.93	70.84
Indigo-MusesD	5	70.37	19.30	17.33	110.88	109.78	110.24	3.15	1.07	2.05
Indigo-MusesT	5	62.82	30.94	29.97	113.81	113.23	113.83	7.02	12.79	15.80
LEDBAT	5	11.87	7.90	3.89	84.37	85.34	84.82	0.00	0.02	0.00
PCC-Allegro	5	79.26	8.04	7.03	114.39	115.56	114.92	2.84	4.23	5.88
PCC-Expr	5	4.03	7.02	4.63	82.51	81.82	82.16	69.20	53.22	32.51
QUIC Cubic	5	47.26	18.31	14.12	108.33	103.45	97.48	0.72	0.33	0.32
SCReAM	5	0.22	0.22	0.22	84.11	84.24	83.70	0.03	0.00	0.00
Sprout	5	2.70	2.03	2.43	89.09	89.47	89.14	0.00	0.00	0.00
TaoVA-100x	5	2.94	7.51	6.57	86.03	88.62	82.29	72.98	32.64	44.75
TCP Vegas	5	34.83	41.10	25.95	94.42	96.16	100.50	1.07	0.75	0.56
Verus	5	22.43	31.22	11.67	113.32	127.94	138.15	22.26	50.03	39.03
PCC-Vivace	5	66.10	13.97	6.81	110.89	110.44	109.27	0.32	0.61	0.56
WebRTC media	5	0.05	0.04	0.04	86.30	85.58	85.90	0.00	0.01	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-01-03 00:09:29
End at: 2019-01-03 00:09:59
Local clock offset: -0.655 ms
Remote clock offset: -7.362 ms

# Below is generated by plot.py at 2019-01-03 02:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 113.501 ms
Loss rate: 17.65%
-- Flow 1:
Average throughput: 56.84 Mbit/s
95th percentile per-packet one-way delay: 113.169 ms
Loss rate: 14.14%
-- Flow 2:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 113.620 ms
Loss rate: 19.67%
-- Flow 3:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 113.244 ms
Loss rate: 28.34%
```

Run 1: Report of TCP BBR — Data Link

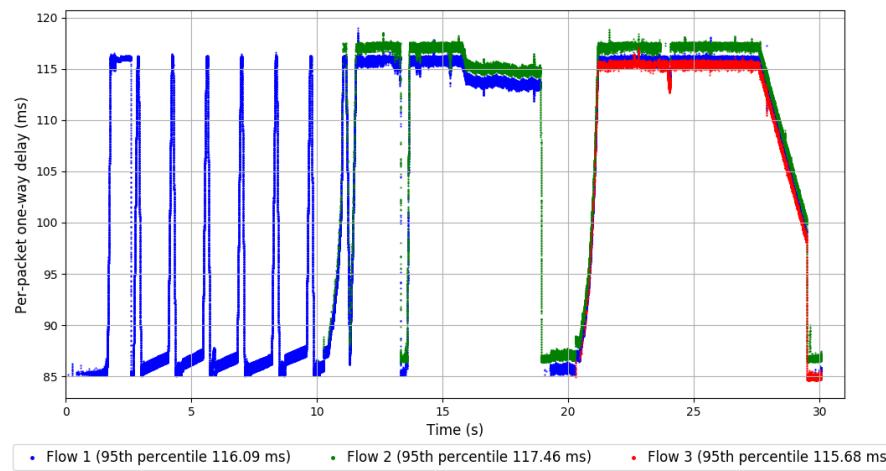
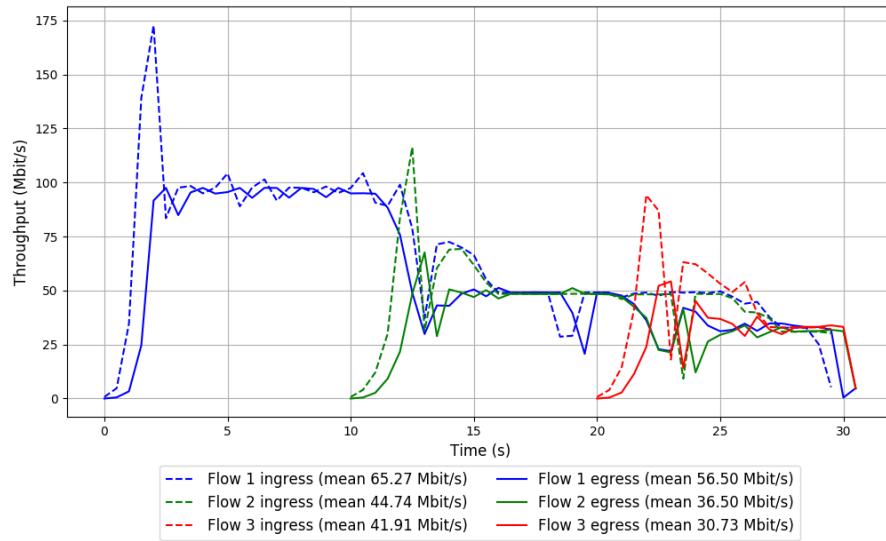


Run 2: Statistics of TCP BBR

```
Start at: 2019-01-03 00:33:47
End at: 2019-01-03 00:34:17
Local clock offset: -1.952 ms
Remote clock offset: -5.378 ms

# Below is generated by plot.py at 2019-01-03 02:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 117.314 ms
Loss rate: 16.49%
-- Flow 1:
Average throughput: 56.50 Mbit/s
95th percentile per-packet one-way delay: 116.093 ms
Loss rate: 13.43%
-- Flow 2:
Average throughput: 36.50 Mbit/s
95th percentile per-packet one-way delay: 117.458 ms
Loss rate: 18.42%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 115.678 ms
Loss rate: 26.67%
```

Run 2: Report of TCP BBR — Data Link

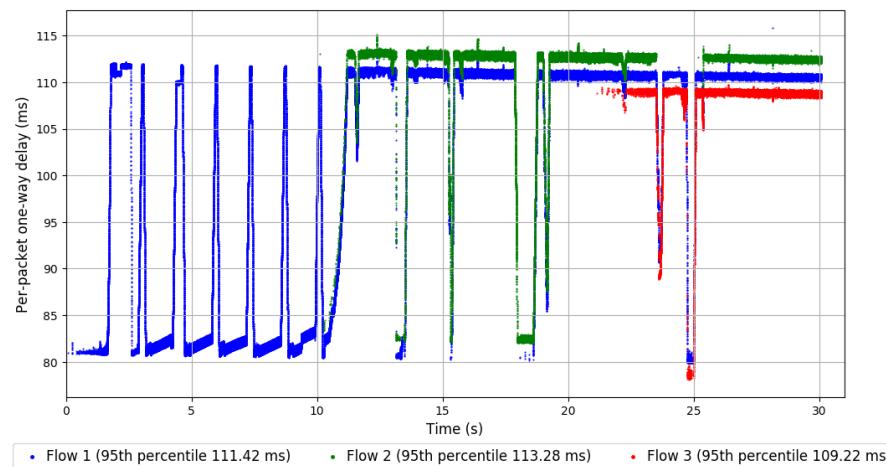
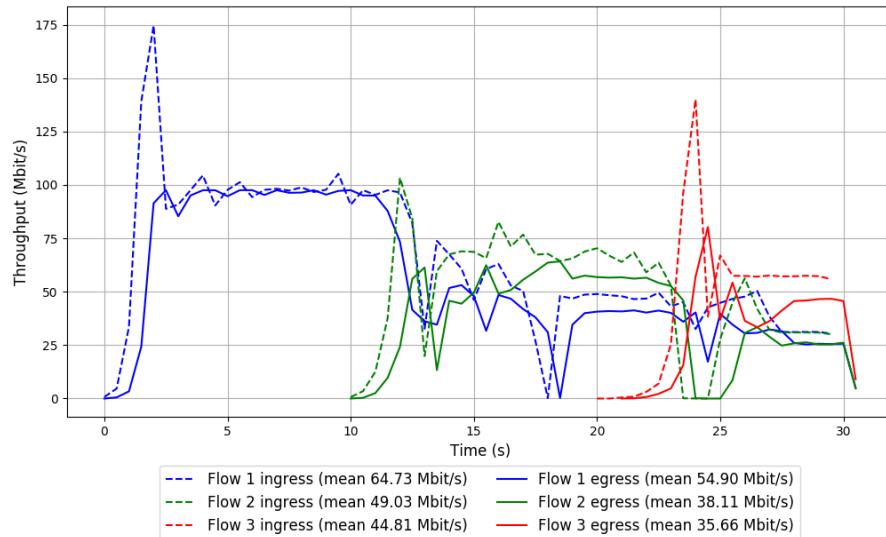


Run 3: Statistics of TCP BBR

```
Start at: 2019-01-03 00:57:47
End at: 2019-01-03 00:58:17
Local clock offset: -1.71 ms
Remote clock offset: -7.744 ms

# Below is generated by plot.py at 2019-01-03 02:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 113.073 ms
Loss rate: 18.97%
-- Flow 1:
Average throughput: 54.90 Mbit/s
95th percentile per-packet one-way delay: 111.423 ms
Loss rate: 15.10%
-- Flow 2:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 113.282 ms
Loss rate: 22.30%
-- Flow 3:
Average throughput: 35.66 Mbit/s
95th percentile per-packet one-way delay: 109.224 ms
Loss rate: 28.50%
```

Run 3: Report of TCP BBR — Data Link

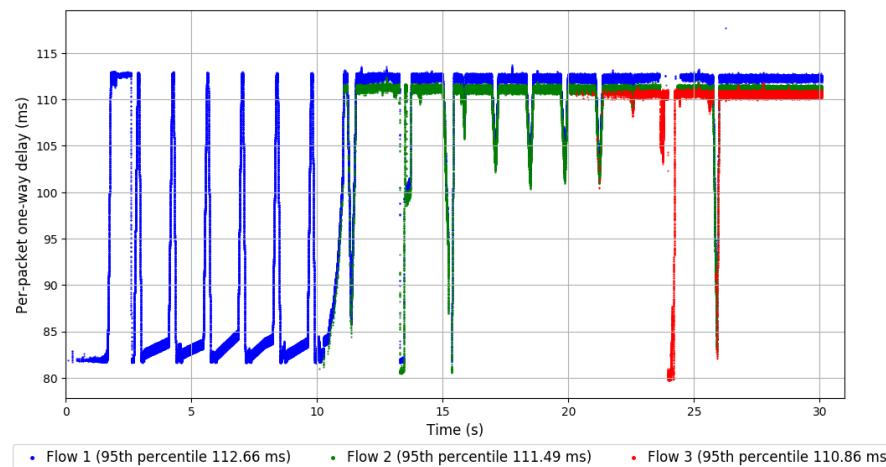
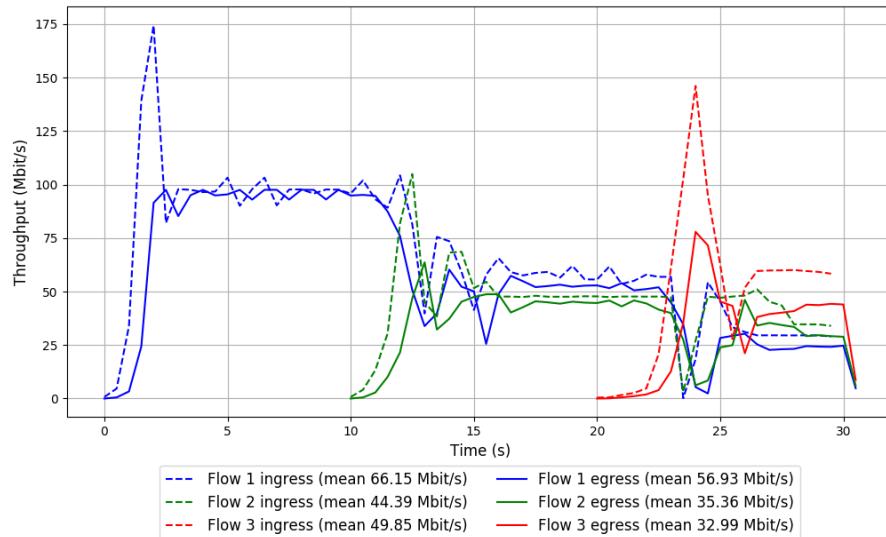


Run 4: Statistics of TCP BBR

```
Start at: 2019-01-03 01:21:48
End at: 2019-01-03 01:22:18
Local clock offset: -1.898 ms
Remote clock offset: 15.558 ms

# Below is generated by plot.py at 2019-01-03 02:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.45 Mbit/s
95th percentile per-packet one-way delay: 112.602 ms
Loss rate: 18.49%
-- Flow 1:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: 112.661 ms
Loss rate: 13.87%
-- Flow 2:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 111.487 ms
Loss rate: 20.24%
-- Flow 3:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 110.862 ms
Loss rate: 33.82%
```

Run 4: Report of TCP BBR — Data Link

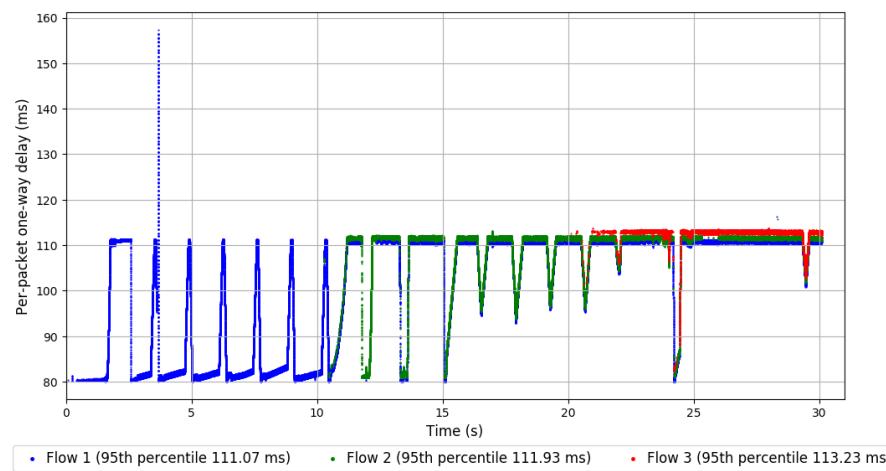
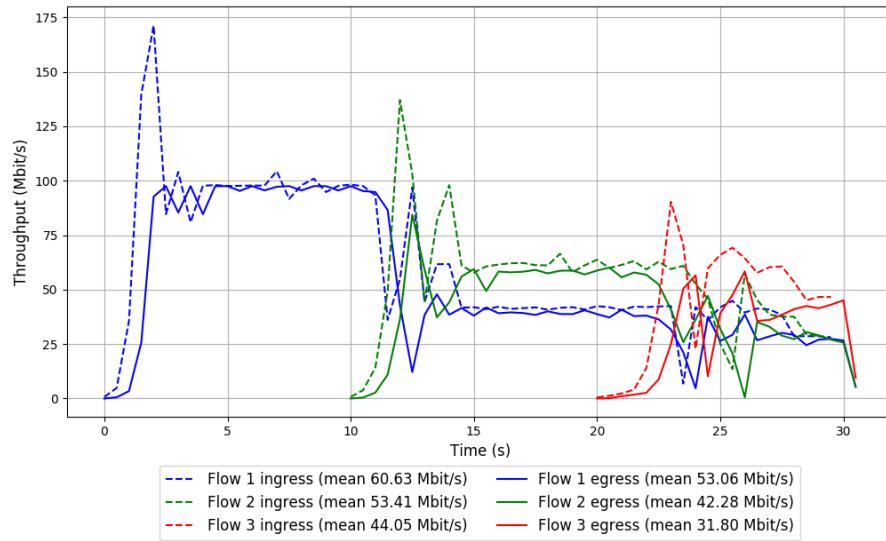


Run 5: Statistics of TCP BBR

```
Start at: 2019-01-03 01:45:51
End at: 2019-01-03 01:46:21
Local clock offset: -0.976 ms
Remote clock offset: 22.912 ms

# Below is generated by plot.py at 2019-01-03 02:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.81 Mbit/s
95th percentile per-packet one-way delay: 113.024 ms
Loss rate: 17.11%
-- Flow 1:
Average throughput: 53.06 Mbit/s
95th percentile per-packet one-way delay: 111.073 ms
Loss rate: 12.40%
-- Flow 2:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 111.931 ms
Loss rate: 20.72%
-- Flow 3:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 113.226 ms
Loss rate: 27.82%
```

Run 5: Report of TCP BBR — Data Link

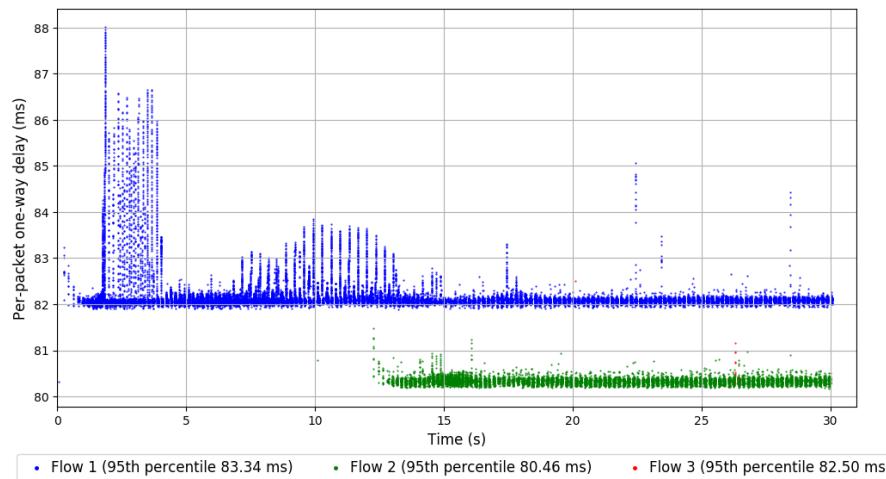
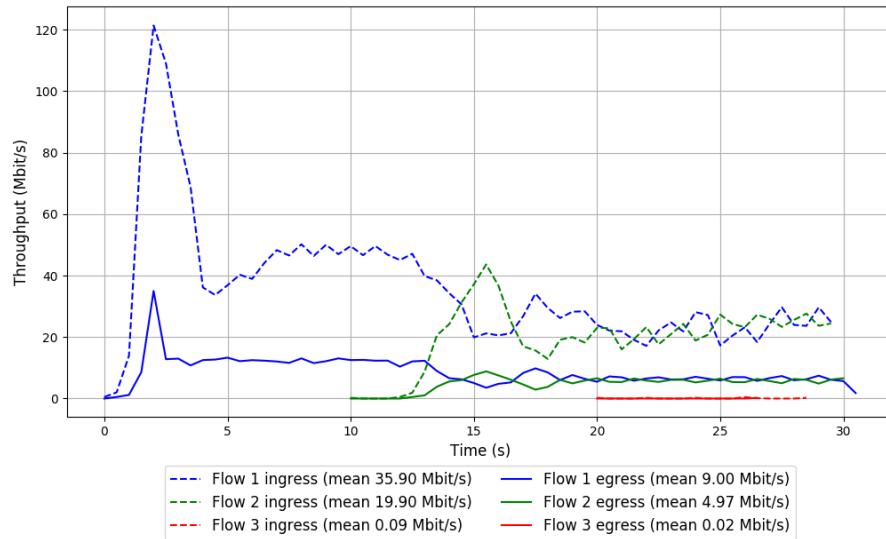


Run 1: Statistics of Copa

```
Start at: 2019-01-03 00:13:25
End at: 2019-01-03 00:13:55
Local clock offset: -0.594 ms
Remote clock offset: -7.851 ms

# Below is generated by plot.py at 2019-01-03 02:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.31 Mbit/s
95th percentile per-packet one-way delay: 83.025 ms
Loss rate: 74.95%
-- Flow 1:
Average throughput: 9.00 Mbit/s
95th percentile per-packet one-way delay: 83.336 ms
Loss rate: 74.92%
-- Flow 2:
Average throughput: 4.97 Mbit/s
95th percentile per-packet one-way delay: 80.462 ms
Loss rate: 75.02%
-- Flow 3:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 82.504 ms
Loss rate: 85.82%
```

Run 1: Report of Copa — Data Link

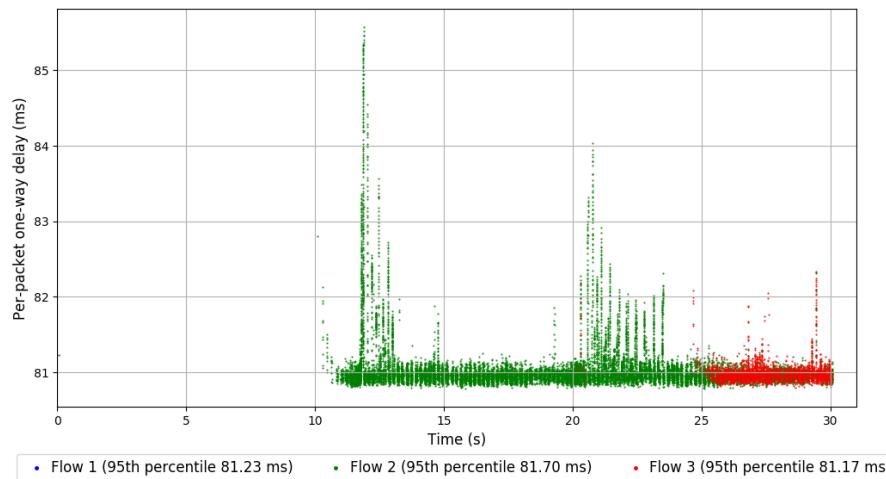
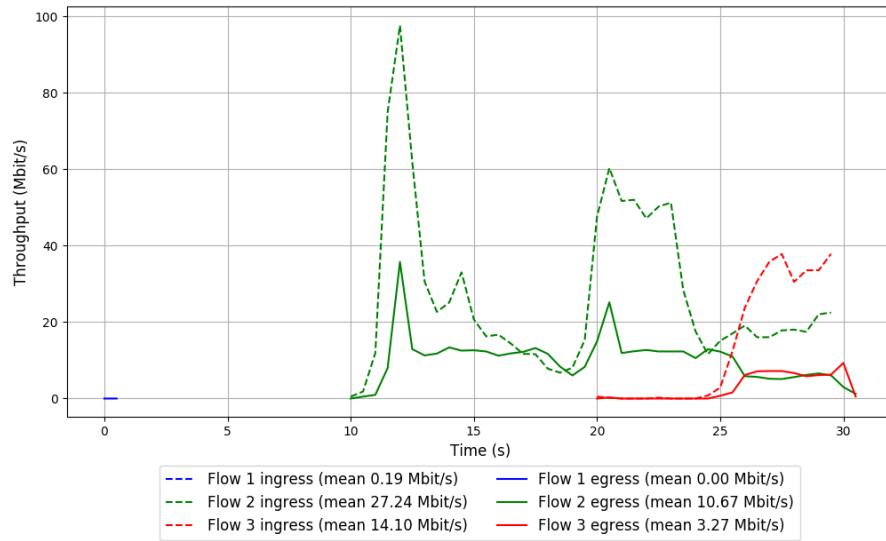


Run 2: Statistics of Copa

```
Start at: 2019-01-03 00:37:42
End at: 2019-01-03 00:38:12
Local clock offset: -2.138 ms
Remote clock offset: -9.432 ms

# Below is generated by plot.py at 2019-01-03 02:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.19 Mbit/s
95th percentile per-packet one-way delay: 81.640 ms
Loss rate: 64.13%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.227 ms
Loss rate: 97.24%
-- Flow 2:
Average throughput: 10.67 Mbit/s
95th percentile per-packet one-way delay: 81.702 ms
Loss rate: 60.85%
-- Flow 3:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 81.167 ms
Loss rate: 76.83%
```

Run 2: Report of Copa — Data Link

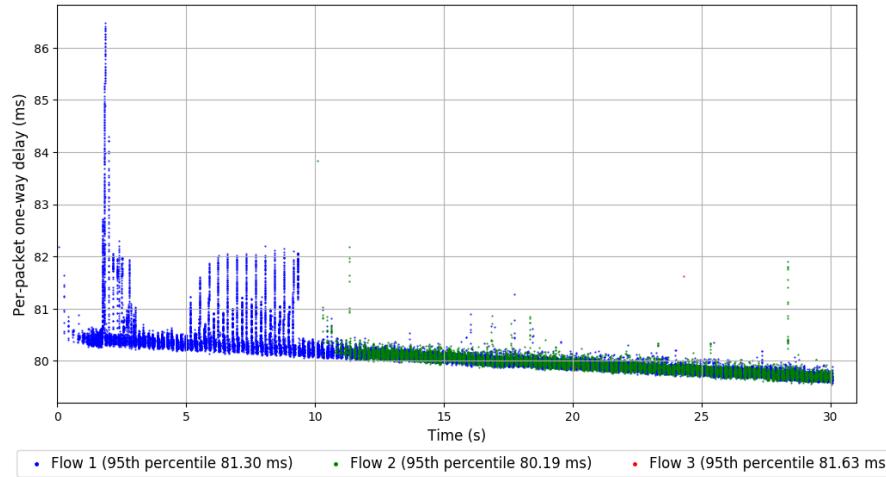
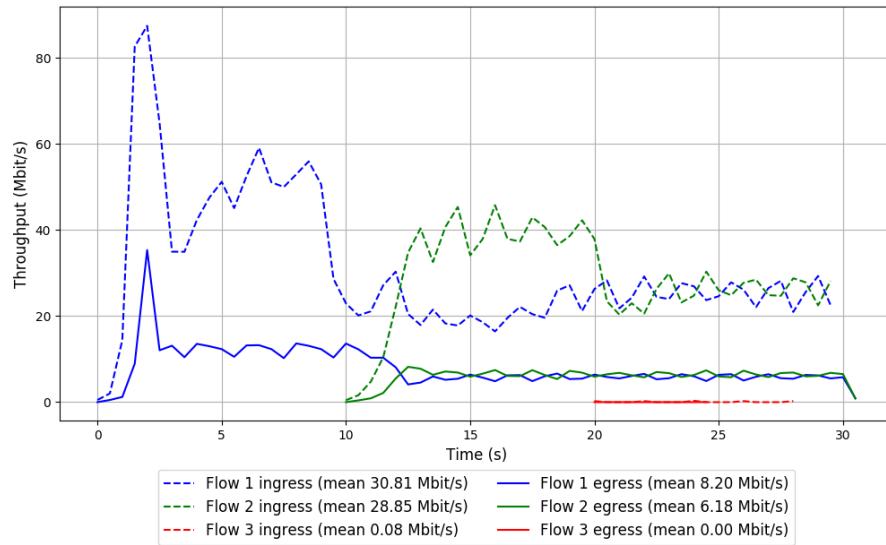


Run 3: Statistics of Copa

```
Start at: 2019-01-03 01:01:42
End at: 2019-01-03 01:02:12
Local clock offset: -2.567 ms
Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2019-01-03 02:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.31 Mbit/s
95th percentile per-packet one-way delay: 80.939 ms
Loss rate: 75.39%
-- Flow 1:
Average throughput: 8.20 Mbit/s
95th percentile per-packet one-way delay: 81.304 ms
Loss rate: 73.38%
-- Flow 2:
Average throughput: 6.18 Mbit/s
95th percentile per-packet one-way delay: 80.189 ms
Loss rate: 78.59%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.627 ms
Loss rate: 97.96%
```

Run 3: Report of Copa — Data Link

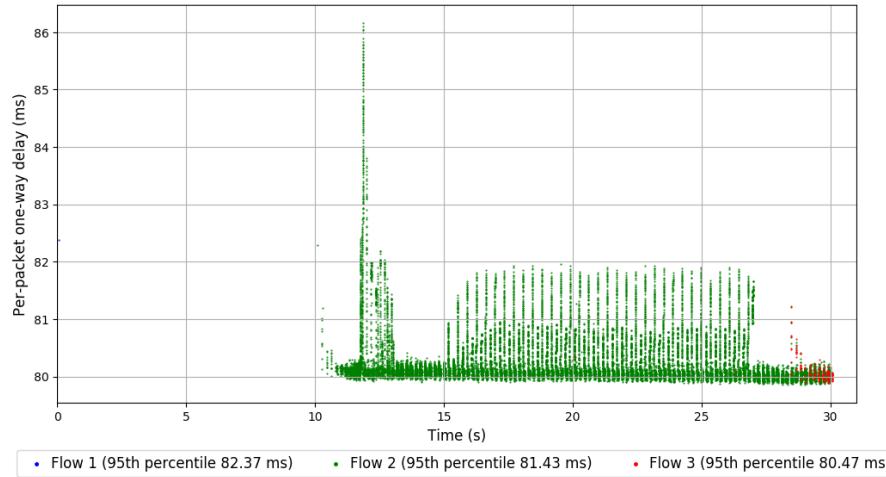
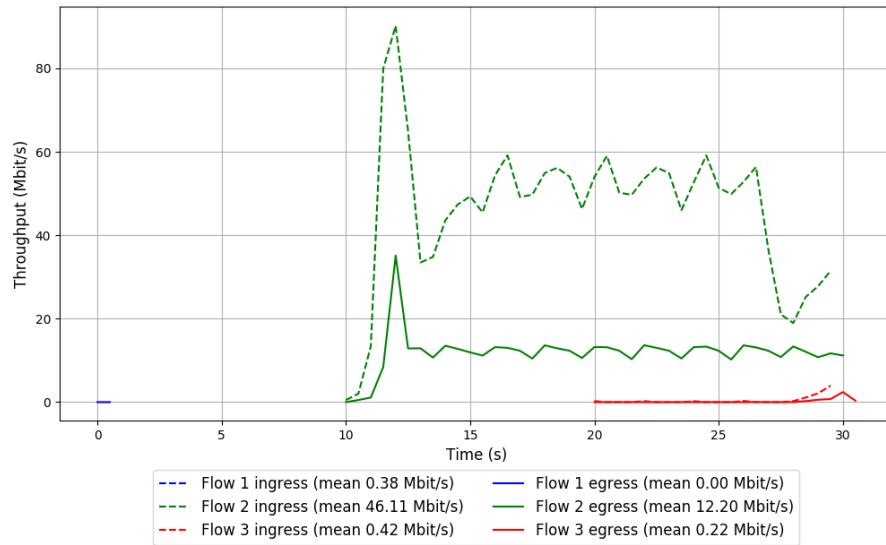


Run 4: Statistics of Copa

```
Start at: 2019-01-03 01:25:44
End at: 2019-01-03 01:26:14
Local clock offset: -1.847 ms
Remote clock offset: 16.96 ms

# Below is generated by plot.py at 2019-01-03 02:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.17 Mbit/s
95th percentile per-packet one-way delay: 81.426 ms
Loss rate: 73.42%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 82.372 ms
Loss rate: 98.60%
-- Flow 2:
Average throughput: 12.20 Mbit/s
95th percentile per-packet one-way delay: 81.431 ms
Loss rate: 73.54%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.467 ms
Loss rate: 48.27%
```

Run 4: Report of Copa — Data Link

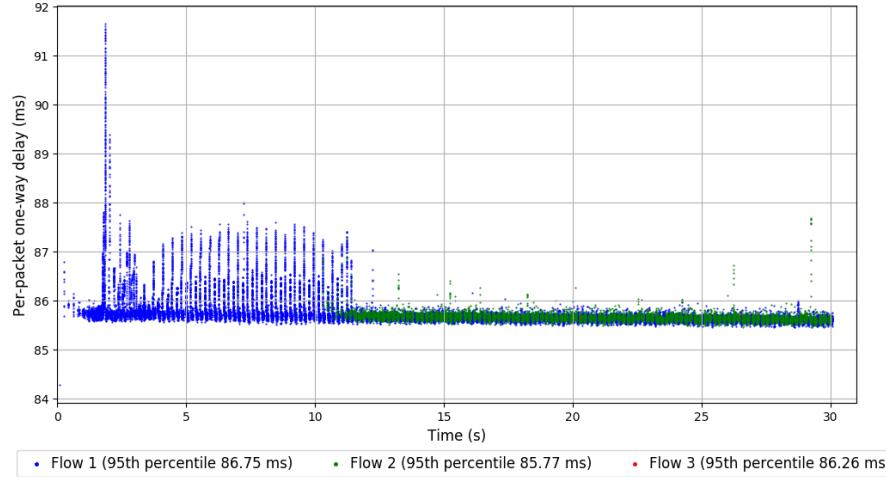
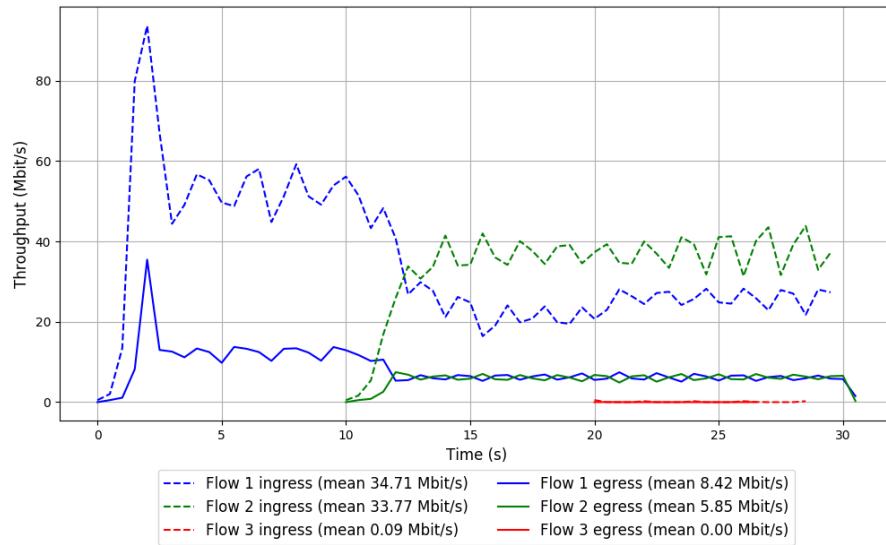


Run 5: Statistics of Copa

```
Start at: 2019-01-03 01:49:46
End at: 2019-01-03 01:50:16
Local clock offset: -0.896 ms
Remote clock offset: 28.021 ms

# Below is generated by plot.py at 2019-01-03 02:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.31 Mbit/s
95th percentile per-packet one-way delay: 86.504 ms
Loss rate: 78.48%
-- Flow 1:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 86.749 ms
Loss rate: 75.75%
-- Flow 2:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: 85.770 ms
Loss rate: 82.68%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.260 ms
Loss rate: 96.69%
```

Run 5: Report of Copa — Data Link

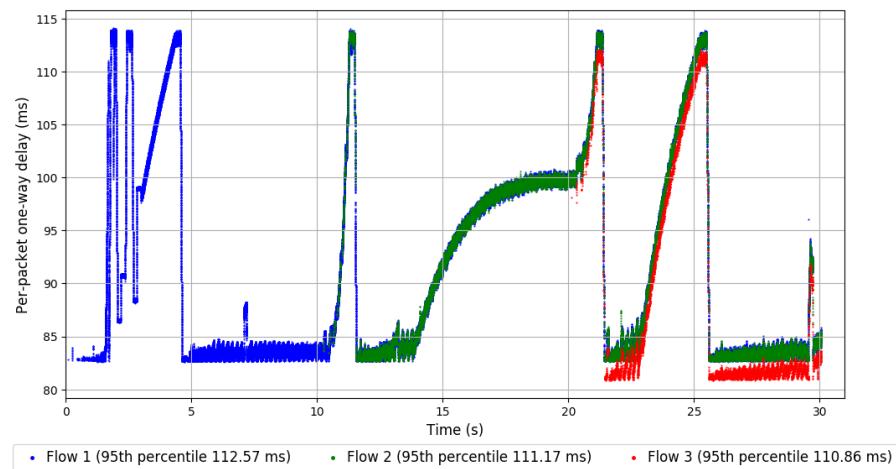
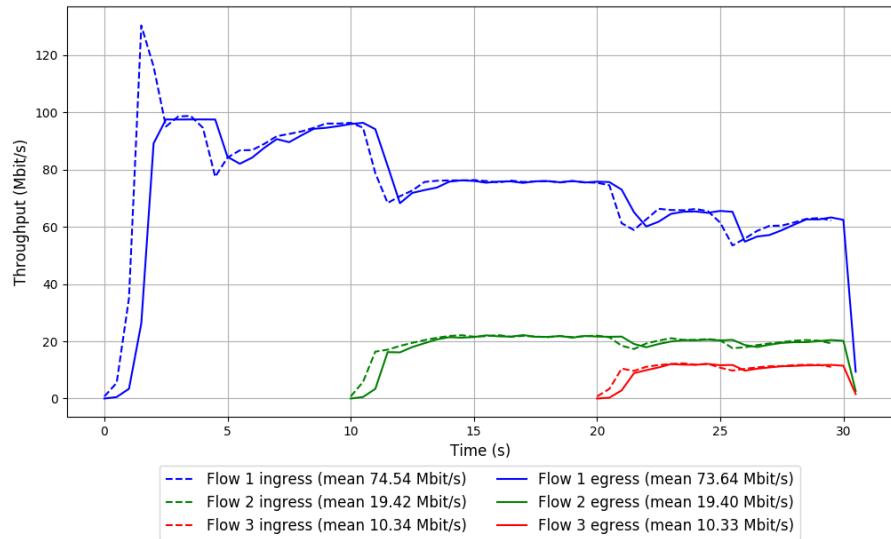


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-01-03 00:10:48
End at: 2019-01-03 00:11:18
Local clock offset: -1.445 ms
Remote clock offset: -7.73 ms

# Below is generated by plot.py at 2019-01-03 02:06:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: 112.344 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 73.64 Mbit/s
95th percentile per-packet one-way delay: 112.572 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 111.171 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 10.33 Mbit/s
95th percentile per-packet one-way delay: 110.864 ms
Loss rate: 0.22%
```

Run 1: Report of TCP Cubic — Data Link

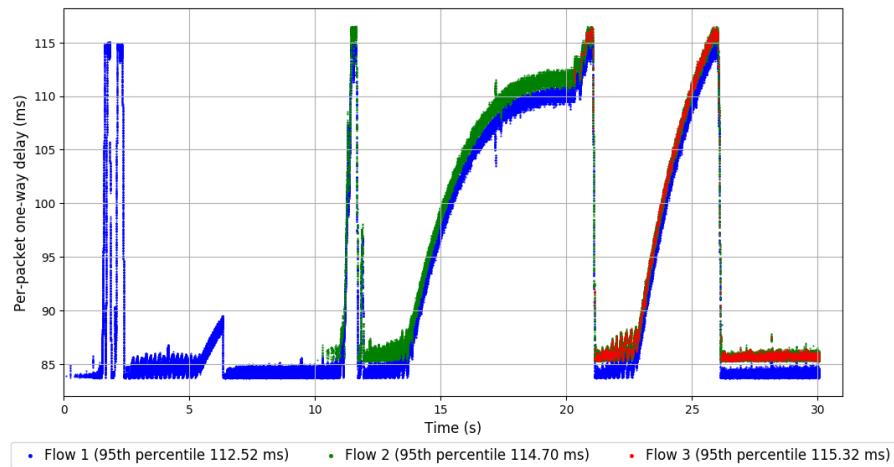
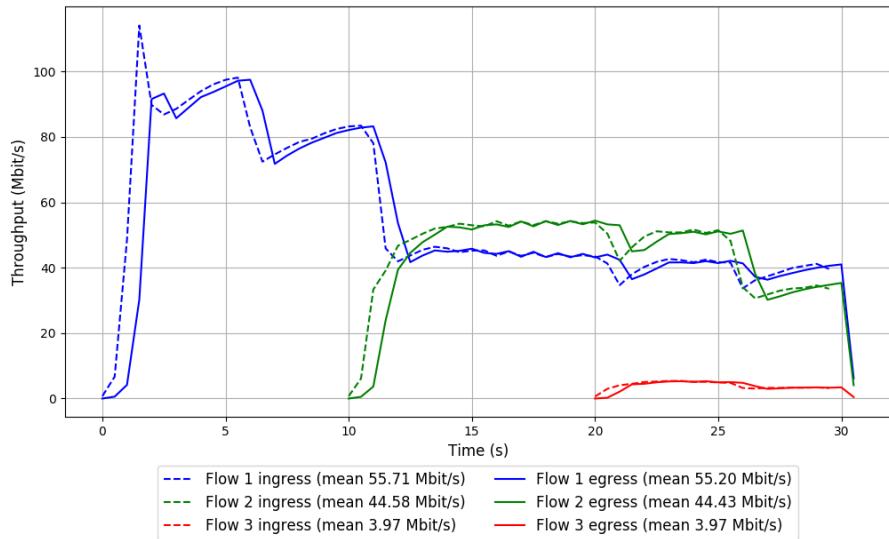


Run 2: Statistics of TCP Cubic

```
Start at: 2019-01-03 00:35:05
End at: 2019-01-03 00:35:35
Local clock offset: -1.324 ms
Remote clock offset: -5.829 ms

# Below is generated by plot.py at 2019-01-03 02:06:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 113.628 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 55.20 Mbit/s
95th percentile per-packet one-way delay: 112.520 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 44.43 Mbit/s
95th percentile per-packet one-way delay: 114.697 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 115.323 ms
Loss rate: 0.24%
```

Run 2: Report of TCP Cubic — Data Link

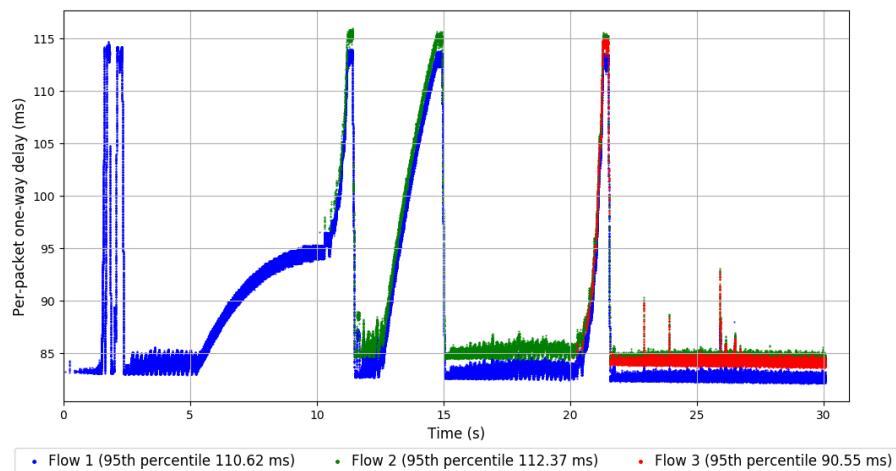
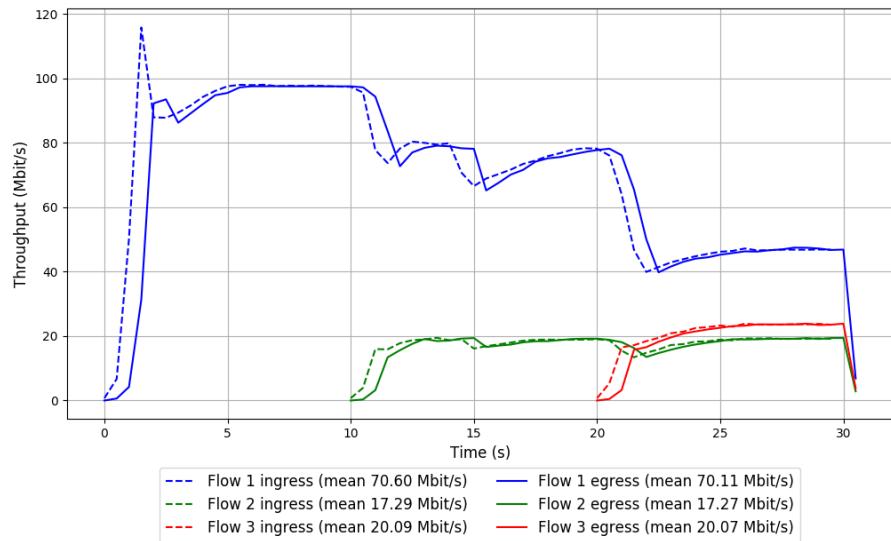


Run 3: Statistics of TCP Cubic

```
Start at: 2019-01-03 00:59:06
End at: 2019-01-03 00:59:36
Local clock offset: -1.684 ms
Remote clock offset: -1.175 ms

# Below is generated by plot.py at 2019-01-03 02:06:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.27 Mbit/s
95th percentile per-packet one-way delay: 110.577 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 70.11 Mbit/s
95th percentile per-packet one-way delay: 110.624 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 17.27 Mbit/s
95th percentile per-packet one-way delay: 112.371 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 20.07 Mbit/s
95th percentile per-packet one-way delay: 90.549 ms
Loss rate: 0.11%
```

Run 3: Report of TCP Cubic — Data Link

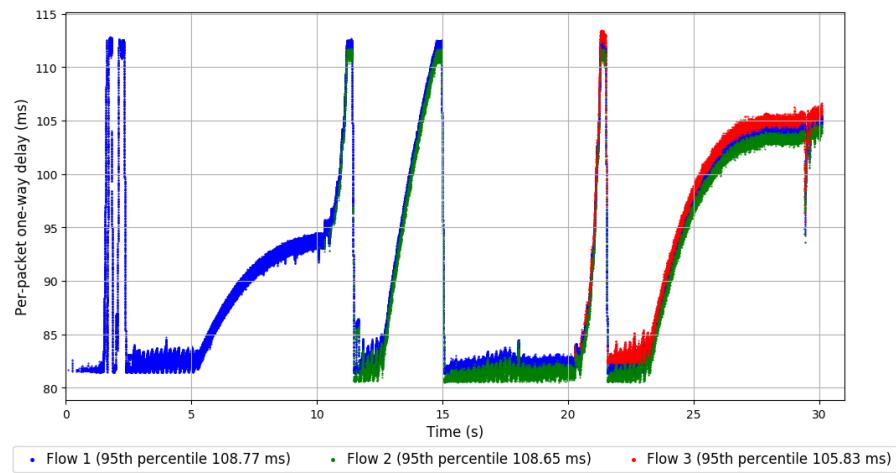
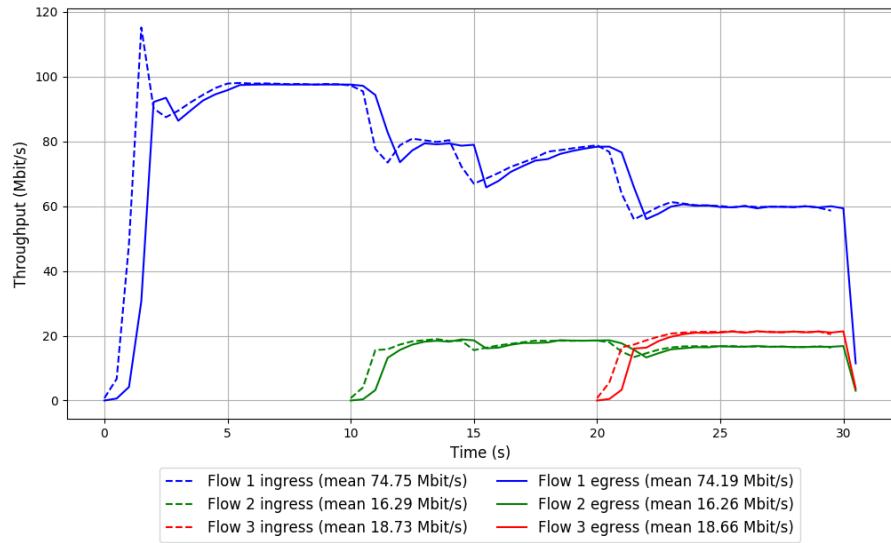


Run 4: Statistics of TCP Cubic

```
Start at: 2019-01-03 01:23:07
End at: 2019-01-03 01:23:37
Local clock offset: -2.676 ms
Remote clock offset: 16.026 ms

# Below is generated by plot.py at 2019-01-03 02:07:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: 108.477 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 74.19 Mbit/s
95th percentile per-packet one-way delay: 108.768 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 16.26 Mbit/s
95th percentile per-packet one-way delay: 108.647 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 105.831 ms
Loss rate: 0.16%
```

Run 4: Report of TCP Cubic — Data Link

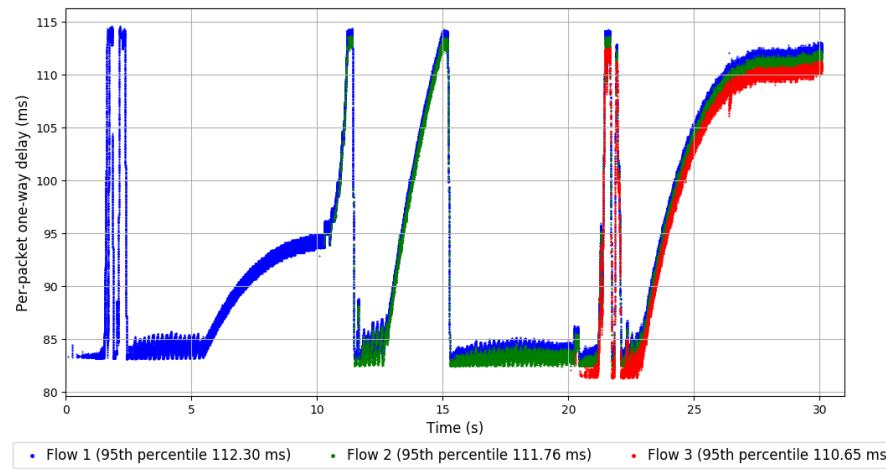
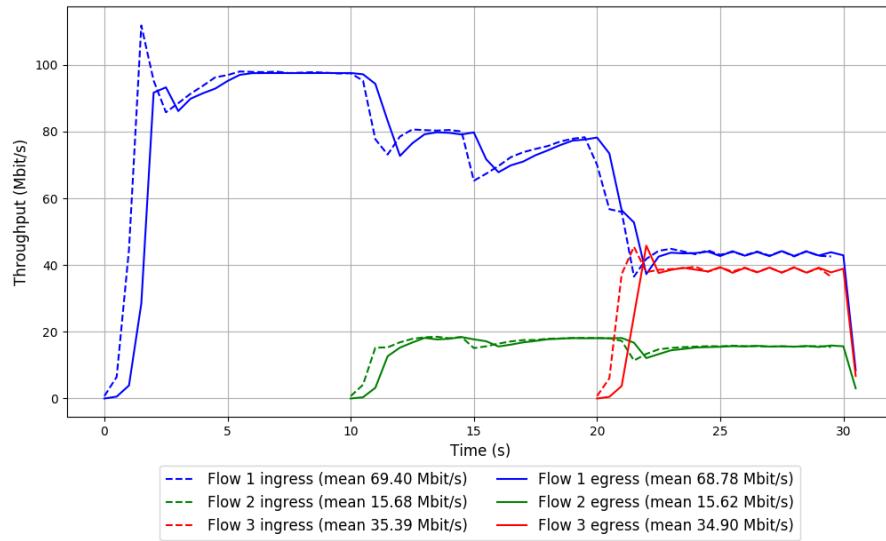


Run 5: Statistics of TCP Cubic

```
Start at: 2019-01-03 01:47:09
End at: 2019-01-03 01:47:39
Local clock offset: -1.772 ms
Remote clock offset: 23.365 ms

# Below is generated by plot.py at 2019-01-03 02:07:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 112.083 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 68.78 Mbit/s
95th percentile per-packet one-way delay: 112.296 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 15.62 Mbit/s
95th percentile per-packet one-way delay: 111.764 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 34.90 Mbit/s
95th percentile per-packet one-way delay: 110.654 ms
Loss rate: 1.11%
```

Run 5: Report of TCP Cubic — Data Link

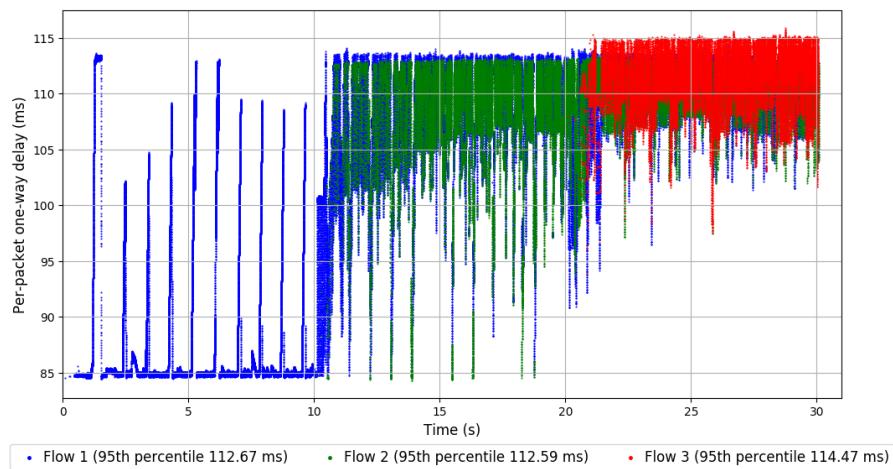
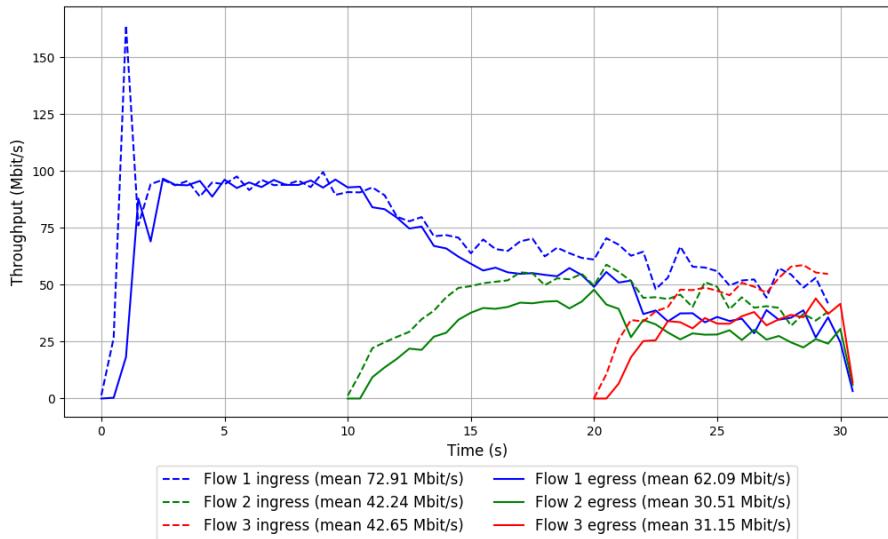


```
Run 1: Statistics of FillP

Start at: 2019-01-03 00:08:11
End at: 2019-01-03 00:08:41
Local clock offset: -1.465 ms
Remote clock offset: -3.953 ms

# Below is generated by plot.py at 2019-01-03 02:07:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 113.027 ms
Loss rate: 19.42%
-- Flow 1:
Average throughput: 62.09 Mbit/s
95th percentile per-packet one-way delay: 112.670 ms
Loss rate: 14.78%
-- Flow 2:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 112.594 ms
Loss rate: 27.69%
-- Flow 3:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 114.474 ms
Loss rate: 26.95%
```

Run 1: Report of FillP — Data Link

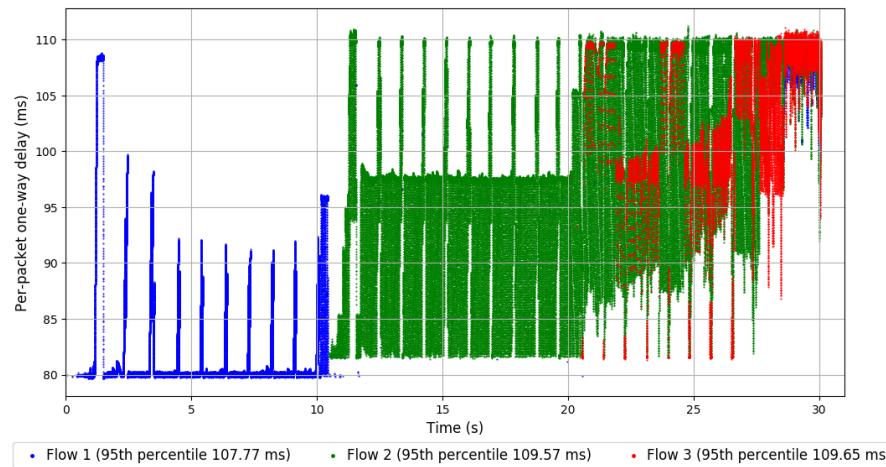
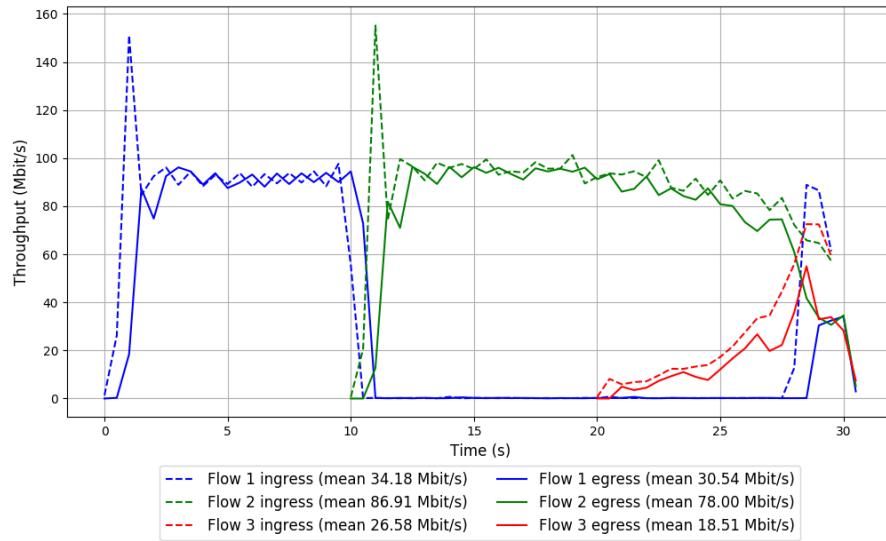


Run 2: Statistics of FillP

```
Start at: 2019-01-03 00:32:30
End at: 2019-01-03 00:33:00
Local clock offset: -1.106 ms
Remote clock offset: -9.286 ms

# Below is generated by plot.py at 2019-01-03 02:07:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.61 Mbit/s
95th percentile per-packet one-way delay: 109.428 ms
Loss rate: 12.06%
-- Flow 1:
Average throughput: 30.54 Mbit/s
95th percentile per-packet one-way delay: 107.765 ms
Loss rate: 10.58%
-- Flow 2:
Average throughput: 78.00 Mbit/s
95th percentile per-packet one-way delay: 109.568 ms
Loss rate: 10.16%
-- Flow 3:
Average throughput: 18.51 Mbit/s
95th percentile per-packet one-way delay: 109.653 ms
Loss rate: 30.28%
```

Run 2: Report of FillP — Data Link

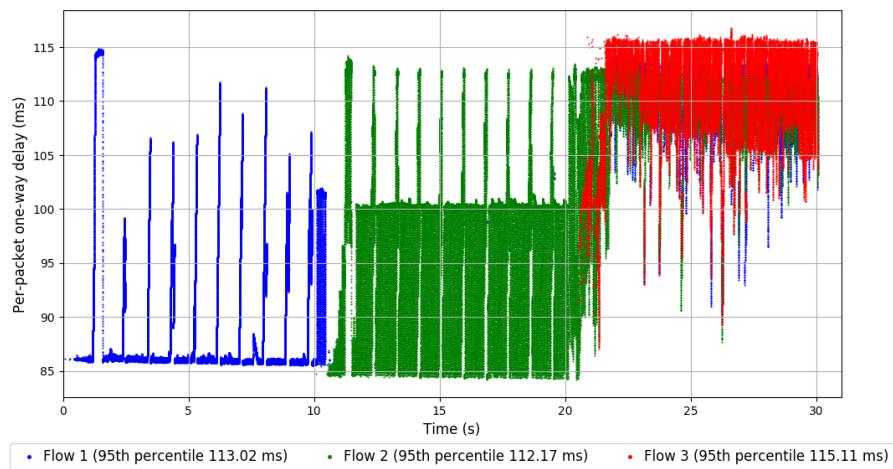
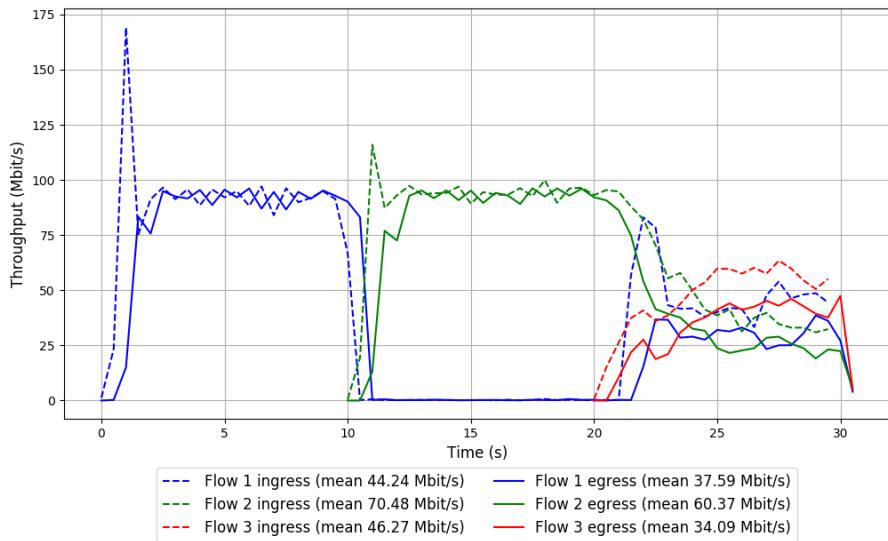


```
Run 3: Statistics of FillP
```

```
Start at: 2019-01-03 00:56:30
End at: 2019-01-03 00:57:00
Local clock offset: -2.38 ms
Remote clock offset: -6.364 ms

# Below is generated by plot.py at 2019-01-03 02:07:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 113.519 ms
Loss rate: 16.28%
-- Flow 1:
Average throughput: 37.59 Mbit/s
95th percentile per-packet one-way delay: 113.023 ms
Loss rate: 14.96%
-- Flow 2:
Average throughput: 60.37 Mbit/s
95th percentile per-packet one-way delay: 112.165 ms
Loss rate: 14.27%
-- Flow 3:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 115.113 ms
Loss rate: 26.21%
```

Run 3: Report of FillP — Data Link

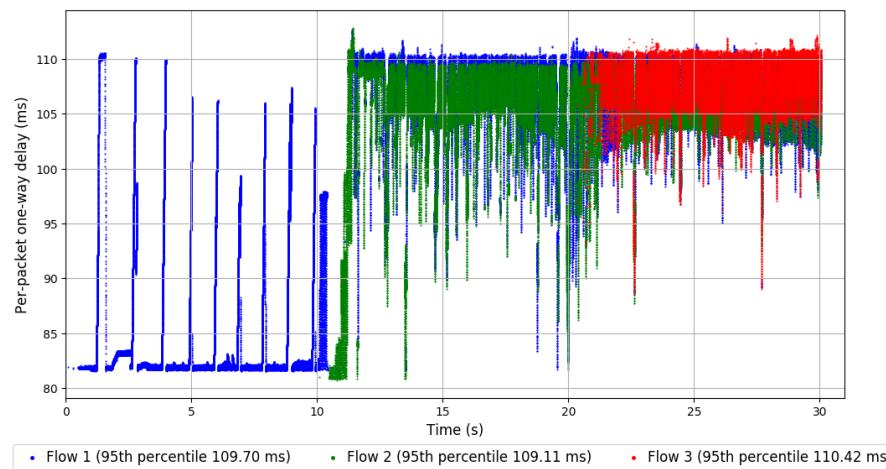
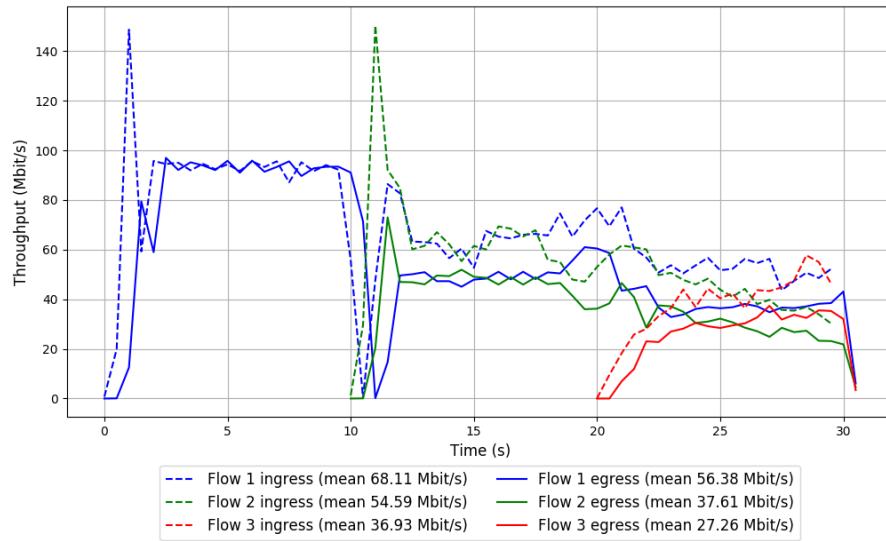


Run 4: Statistics of FillP

```
Start at: 2019-01-03 01:20:30
End at: 2019-01-03 01:21:00
Local clock offset: -2.663 ms
Remote clock offset: 15.028 ms

# Below is generated by plot.py at 2019-01-03 02:08:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.44 Mbit/s
95th percentile per-packet one-way delay: 109.685 ms
Loss rate: 22.42%
-- Flow 1:
Average throughput: 56.38 Mbit/s
95th percentile per-packet one-way delay: 109.703 ms
Loss rate: 17.15%
-- Flow 2:
Average throughput: 37.61 Mbit/s
95th percentile per-packet one-way delay: 109.106 ms
Loss rate: 31.03%
-- Flow 3:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 110.416 ms
Loss rate: 26.18%
```

Run 4: Report of FillP — Data Link

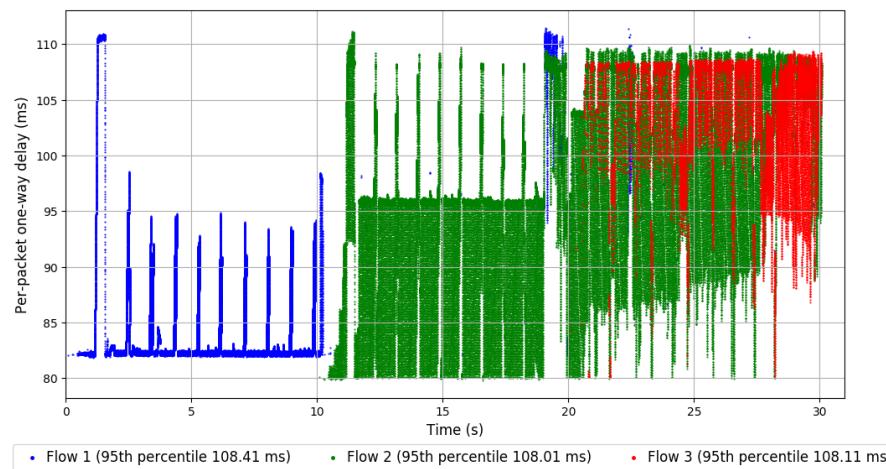
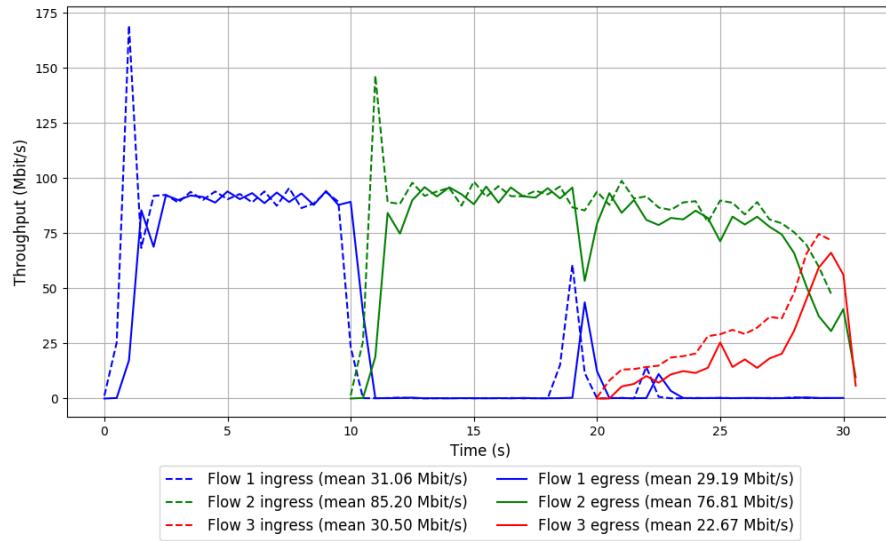


Run 5: Statistics of FillP

```
Start at: 2019-01-03 01:44:34
End at: 2019-01-03 01:45:04
Local clock offset: -0.996 ms
Remote clock offset: 22.655 ms

# Below is generated by plot.py at 2019-01-03 02:08:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.77 Mbit/s
95th percentile per-packet one-way delay: 108.023 ms
Loss rate: 10.16%
-- Flow 1:
Average throughput: 29.19 Mbit/s
95th percentile per-packet one-way delay: 108.410 ms
Loss rate: 5.96%
-- Flow 2:
Average throughput: 76.81 Mbit/s
95th percentile per-packet one-way delay: 108.006 ms
Loss rate: 9.72%
-- Flow 3:
Average throughput: 22.67 Mbit/s
95th percentile per-packet one-way delay: 108.112 ms
Loss rate: 25.50%
```

Run 5: Report of FillP — Data Link

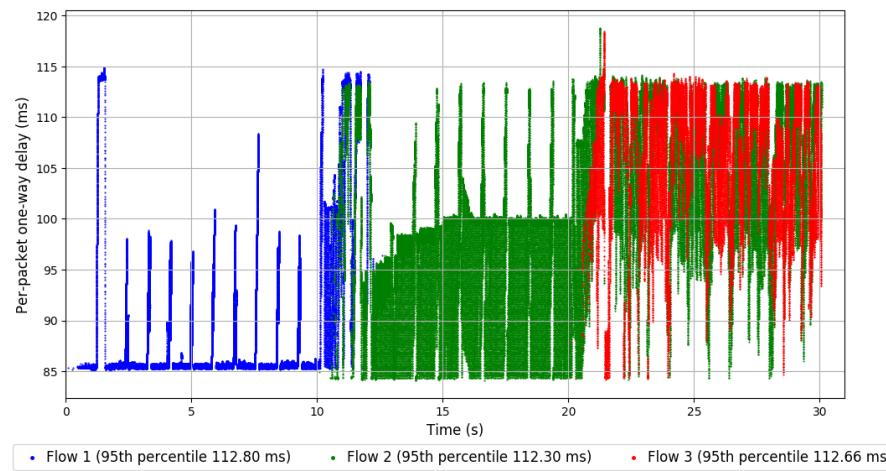
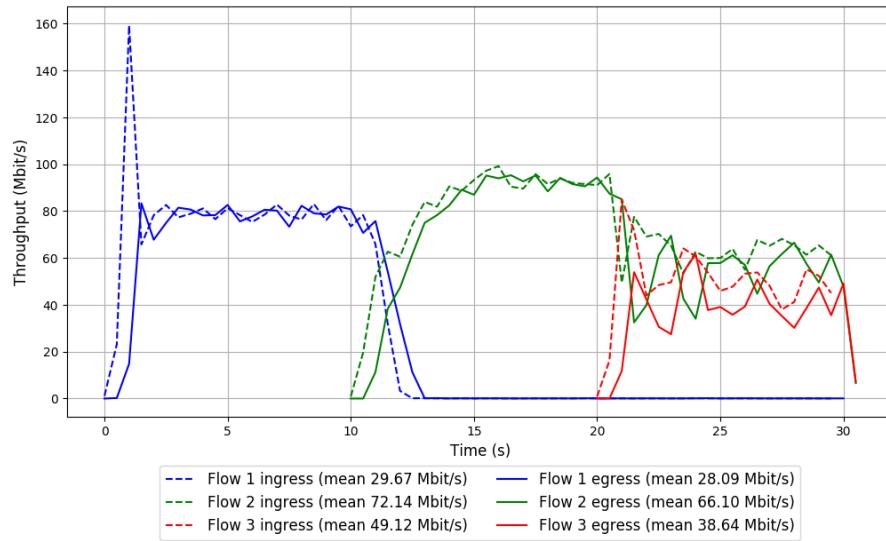


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-01-03 00:05:36
End at: 2019-01-03 00:06:06
Local clock offset: -1.548 ms
Remote clock offset: -3.88 ms

# Below is generated by plot.py at 2019-01-03 02:08:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 112.430 ms
Loss rate: 9.55%
-- Flow 1:
Average throughput: 28.09 Mbit/s
95th percentile per-packet one-way delay: 112.799 ms
Loss rate: 5.25%
-- Flow 2:
Average throughput: 66.10 Mbit/s
95th percentile per-packet one-way delay: 112.304 ms
Loss rate: 8.24%
-- Flow 3:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 112.662 ms
Loss rate: 21.24%
```

Run 1: Report of FillP-Sheep — Data Link

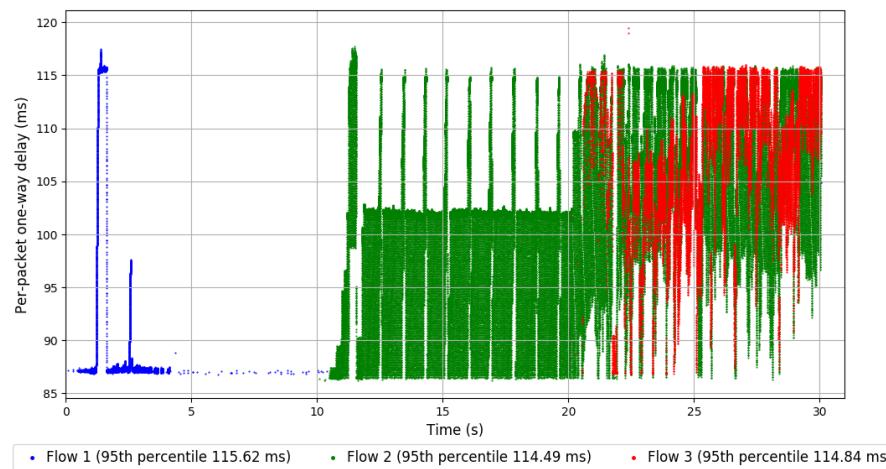
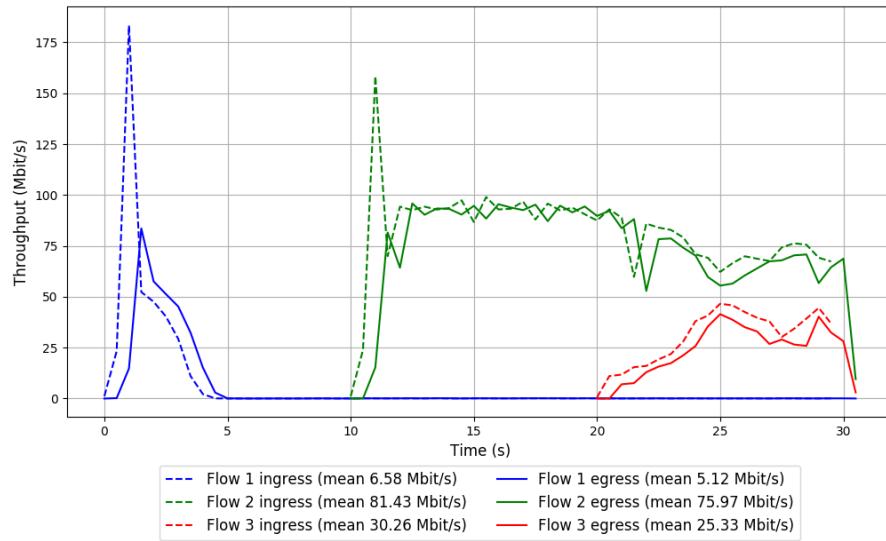


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-01-03 00:29:43
End at: 2019-01-03 00:30:13
Local clock offset: -1.647 ms
Remote clock offset: -5.239 ms

# Below is generated by plot.py at 2019-01-03 02:08:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.10 Mbit/s
95th percentile per-packet one-way delay: 114.636 ms
Loss rate: 9.39%
-- Flow 1:
Average throughput: 5.12 Mbit/s
95th percentile per-packet one-way delay: 115.620 ms
Loss rate: 22.12%
-- Flow 2:
Average throughput: 75.97 Mbit/s
95th percentile per-packet one-way delay: 114.488 ms
Loss rate: 6.58%
-- Flow 3:
Average throughput: 25.33 Mbit/s
95th percentile per-packet one-way delay: 114.836 ms
Loss rate: 16.20%
```

Run 2: Report of FillP-Sheep — Data Link

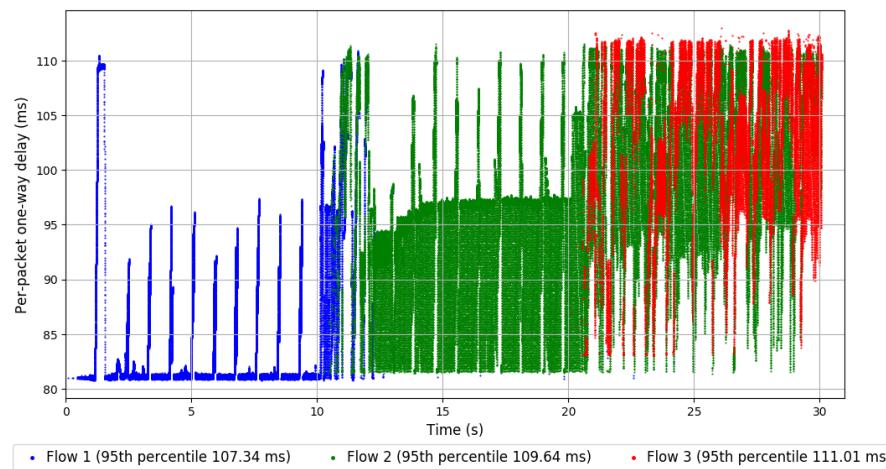
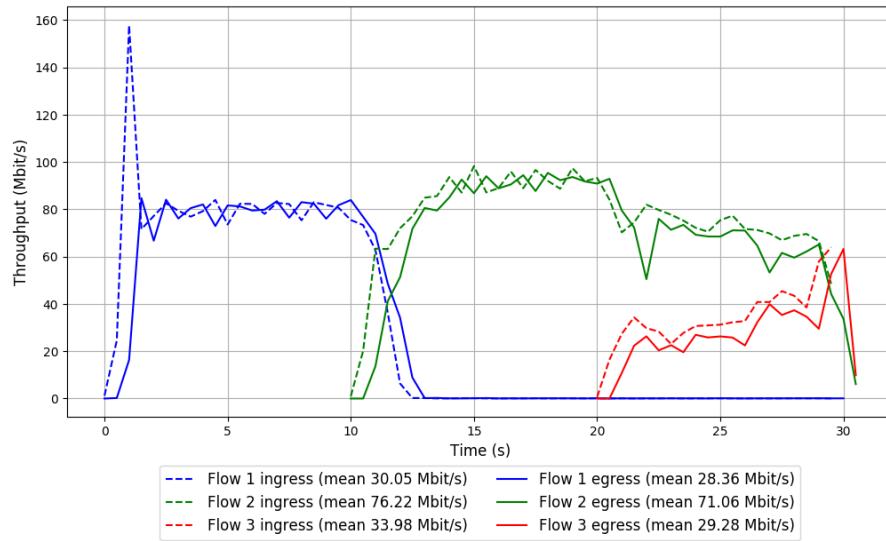


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-01-03 00:53:57
End at: 2019-01-03 00:54:27
Local clock offset: -2.352 ms
Remote clock offset: -10.483 ms

# Below is generated by plot.py at 2019-01-03 02:08:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.26 Mbit/s
95th percentile per-packet one-way delay: 109.569 ms
Loss rate: 7.16%
-- Flow 1:
Average throughput: 28.36 Mbit/s
95th percentile per-packet one-way delay: 107.342 ms
Loss rate: 5.55%
-- Flow 2:
Average throughput: 71.06 Mbit/s
95th percentile per-packet one-way delay: 109.635 ms
Loss rate: 6.66%
-- Flow 3:
Average throughput: 29.28 Mbit/s
95th percentile per-packet one-way delay: 111.011 ms
Loss rate: 13.68%
```

Run 3: Report of FillP-Sheep — Data Link

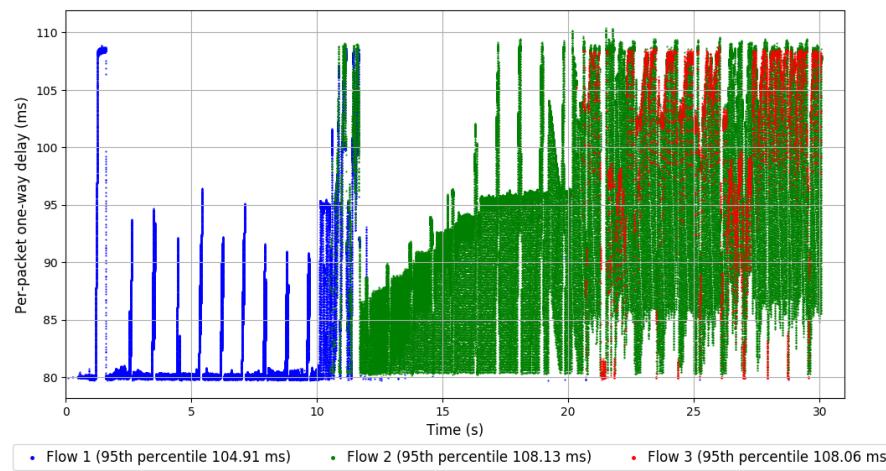
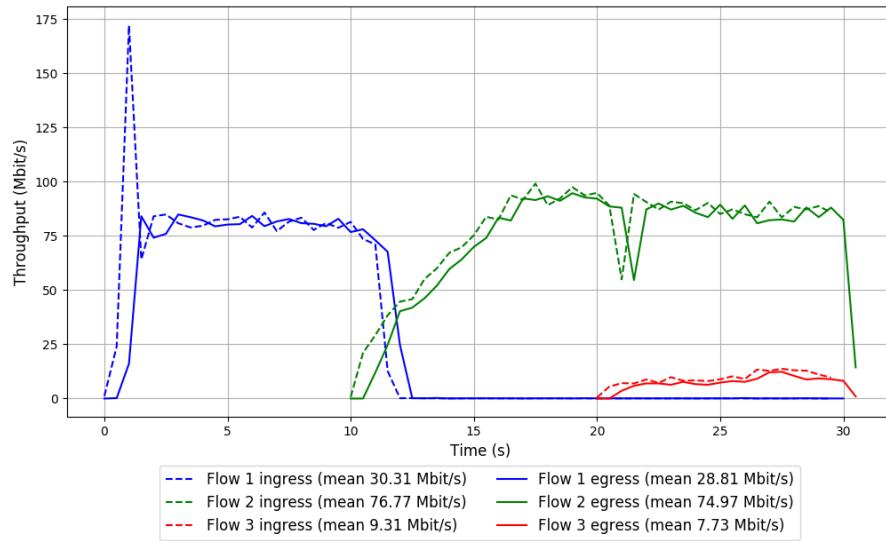


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-01-03 01:17:58
End at: 2019-01-03 01:18:28
Local clock offset: -1.882 ms
Remote clock offset: 13.897 ms

# Below is generated by plot.py at 2019-01-03 02:08:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.15 Mbit/s
95th percentile per-packet one-way delay: 107.960 ms
Loss rate: 3.70%
-- Flow 1:
Average throughput: 28.81 Mbit/s
95th percentile per-packet one-way delay: 104.912 ms
Loss rate: 4.88%
-- Flow 2:
Average throughput: 74.97 Mbit/s
95th percentile per-packet one-way delay: 108.129 ms
Loss rate: 2.21%
-- Flow 3:
Average throughput: 7.73 Mbit/s
95th percentile per-packet one-way delay: 108.058 ms
Loss rate: 17.00%
```

Run 4: Report of FillP-Sheep — Data Link

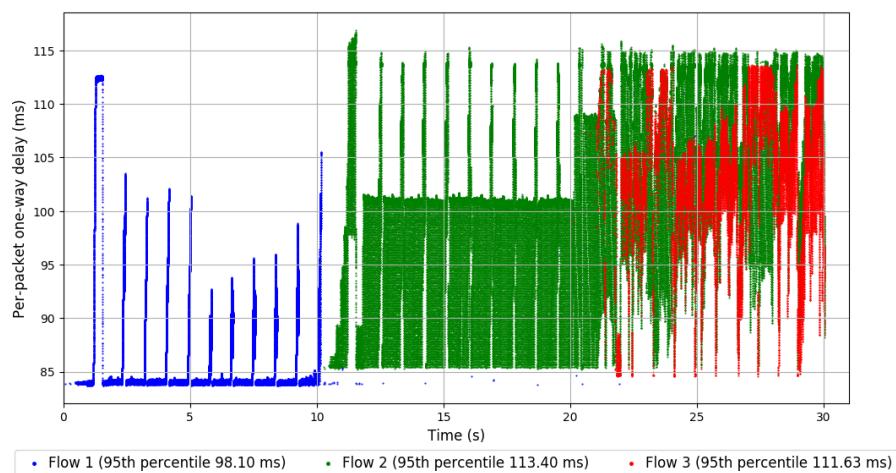
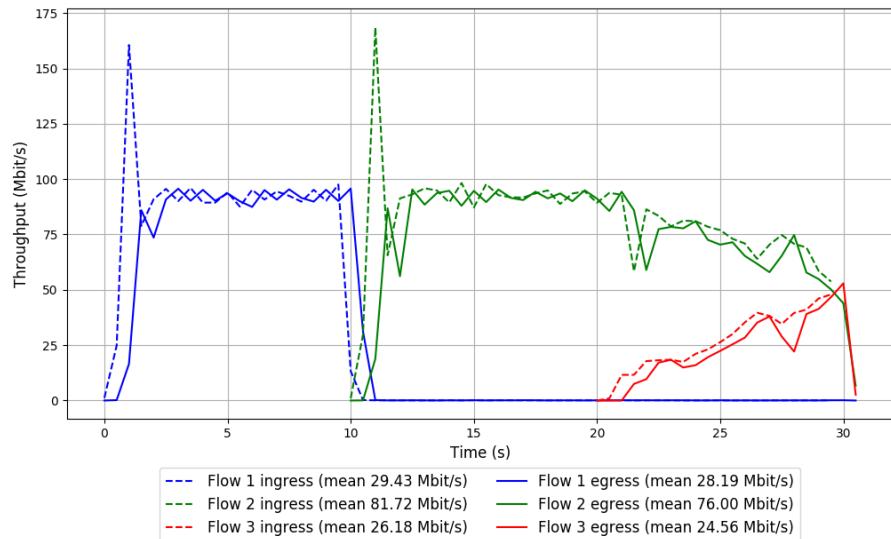


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-01-03 01:42:01
End at: 2019-01-03 01:42:31
Local clock offset: -1.047 ms
Remote clock offset: 25.712 ms

# Below is generated by plot.py at 2019-01-03 02:09:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.86 Mbit/s
95th percentile per-packet one-way delay: 112.736 ms
Loss rate: 6.03%
-- Flow 1:
Average throughput: 28.19 Mbit/s
95th percentile per-packet one-way delay: 98.101 ms
Loss rate: 4.15%
-- Flow 2:
Average throughput: 76.00 Mbit/s
95th percentile per-packet one-way delay: 113.404 ms
Loss rate: 7.00%
-- Flow 3:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 111.633 ms
Loss rate: 6.30%
```

Run 5: Report of FillP-Sheep — Data Link

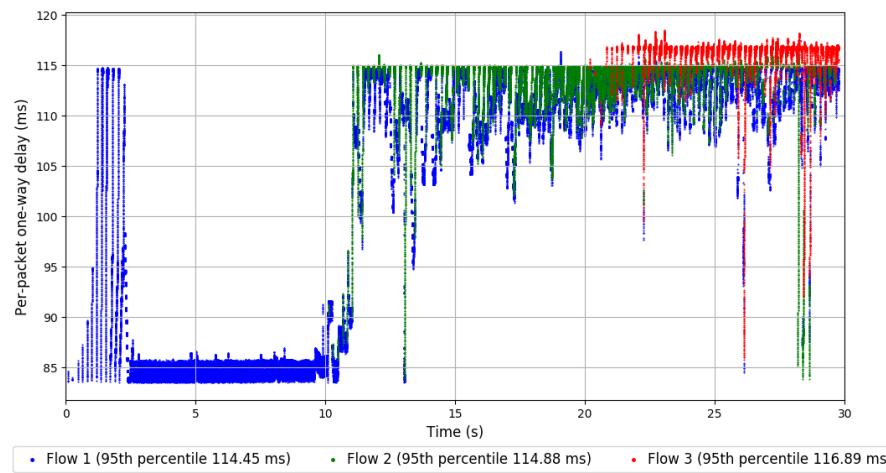
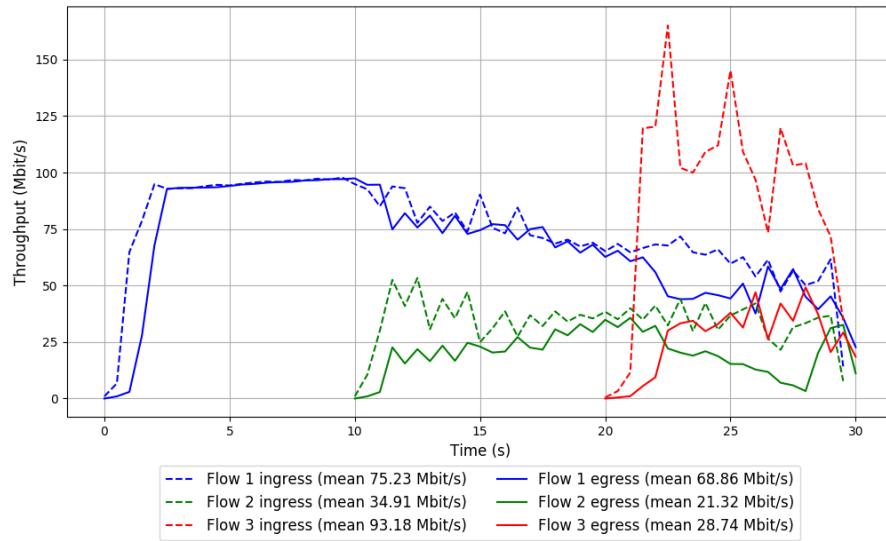


Run 1: Statistics of Indigo

```
Start at: 2019-01-03 00:12:05
End at: 2019-01-03 00:12:35
Local clock offset: -0.572 ms
Remote clock offset: -4.371 ms

# Below is generated by plot.py at 2019-01-03 02:09:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 116.645 ms
Loss rate: 28.08%
-- Flow 1:
Average throughput: 68.86 Mbit/s
95th percentile per-packet one-way delay: 114.450 ms
Loss rate: 8.36%
-- Flow 2:
Average throughput: 21.32 Mbit/s
95th percentile per-packet one-way delay: 114.884 ms
Loss rate: 38.84%
-- Flow 3:
Average throughput: 28.74 Mbit/s
95th percentile per-packet one-way delay: 116.895 ms
Loss rate: 69.15%
```

Run 1: Report of Indigo — Data Link

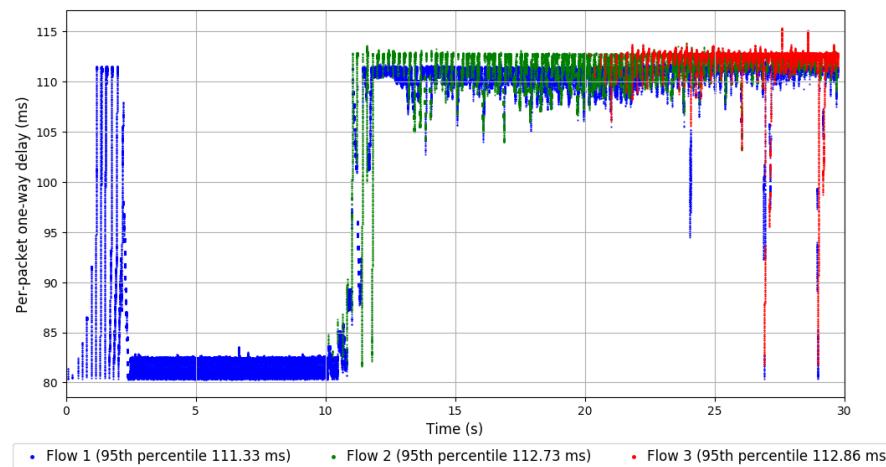
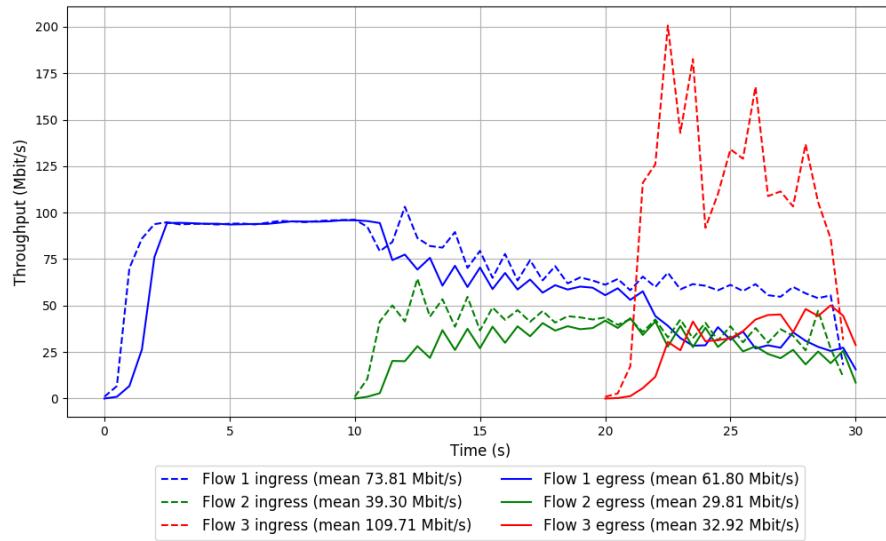


Run 2: Statistics of Indigo

```
Start at: 2019-01-03 00:36:23
End at: 2019-01-03 00:36:53
Local clock offset: -1.361 ms
Remote clock offset: -9.541 ms

# Below is generated by plot.py at 2019-01-03 02:09:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 112.697 ms
Loss rate: 31.82%
-- Flow 1:
Average throughput: 61.80 Mbit/s
95th percentile per-packet one-way delay: 111.331 ms
Loss rate: 16.18%
-- Flow 2:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 112.735 ms
Loss rate: 24.05%
-- Flow 3:
Average throughput: 32.92 Mbit/s
95th percentile per-packet one-way delay: 112.857 ms
Loss rate: 69.99%
```

Run 2: Report of Indigo — Data Link

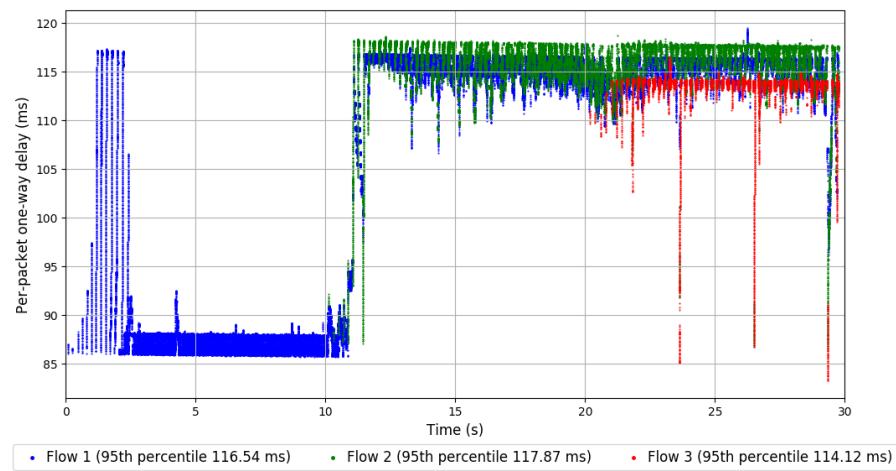
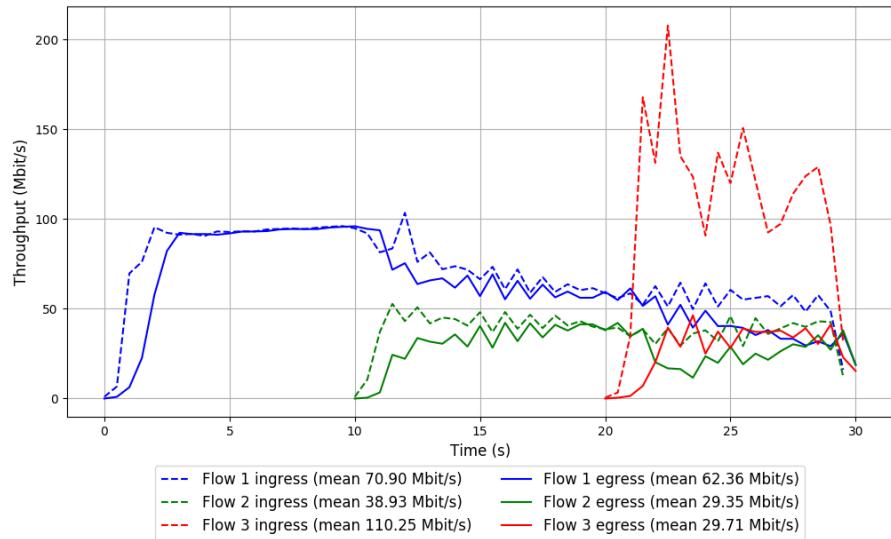


Run 3: Statistics of Indigo

```
Start at: 2019-01-03 01:00:23
End at: 2019-01-03 01:00:53
Local clock offset: -1.71 ms
Remote clock offset: 2.023 ms

# Below is generated by plot.py at 2019-01-03 02:09:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.36 Mbit/s
95th percentile per-packet one-way delay: 117.449 ms
Loss rate: 30.84%
-- Flow 1:
Average throughput: 62.36 Mbit/s
95th percentile per-packet one-way delay: 116.536 ms
Loss rate: 11.97%
-- Flow 2:
Average throughput: 29.35 Mbit/s
95th percentile per-packet one-way delay: 117.872 ms
Loss rate: 24.51%
-- Flow 3:
Average throughput: 29.71 Mbit/s
95th percentile per-packet one-way delay: 114.117 ms
Loss rate: 73.04%
```

Run 3: Report of Indigo — Data Link

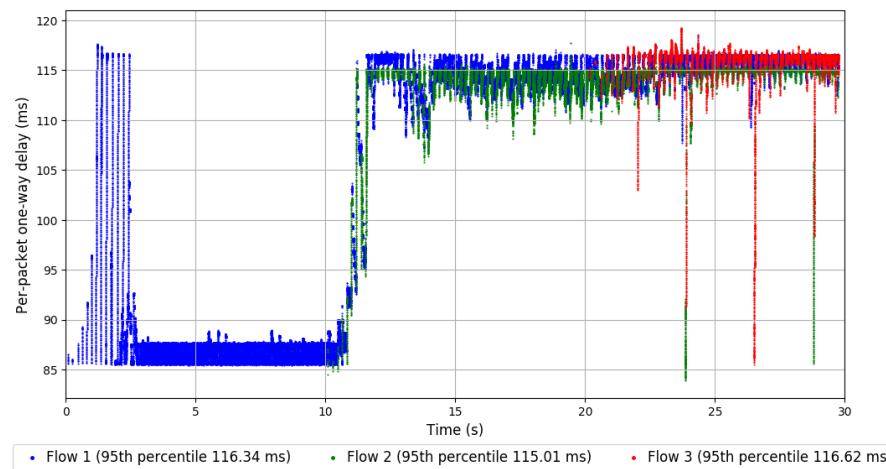
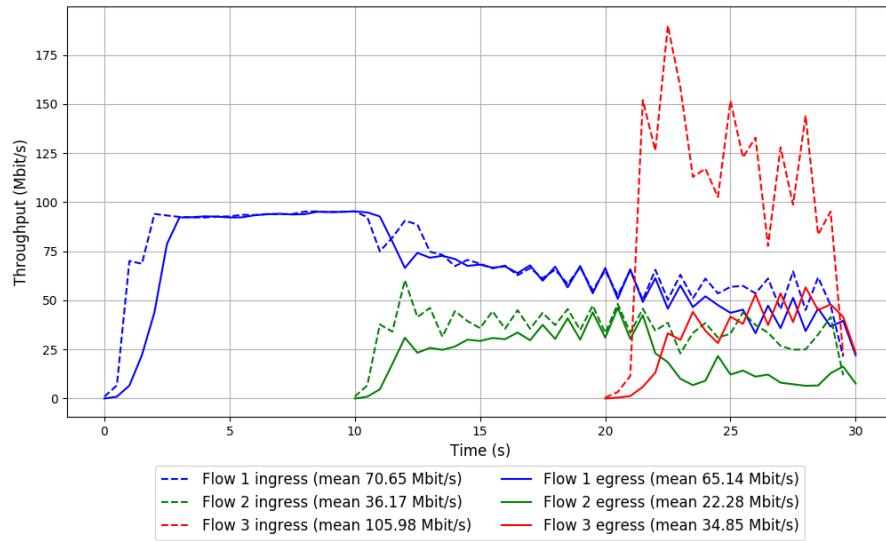


Run 4: Statistics of Indigo

```
Start at: 2019-01-03 01:24:24
End at: 2019-01-03 01:24:54
Local clock offset: -1.958 ms
Remote clock offset: 20.227 ms

# Below is generated by plot.py at 2019-01-03 02:09:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 116.435 ms
Loss rate: 29.19%
-- Flow 1:
Average throughput: 65.14 Mbit/s
95th percentile per-packet one-way delay: 116.337 ms
Loss rate: 7.71%
-- Flow 2:
Average throughput: 22.28 Mbit/s
95th percentile per-packet one-way delay: 115.010 ms
Loss rate: 38.29%
-- Flow 3:
Average throughput: 34.85 Mbit/s
95th percentile per-packet one-way delay: 116.618 ms
Loss rate: 67.11%
```

Run 4: Report of Indigo — Data Link

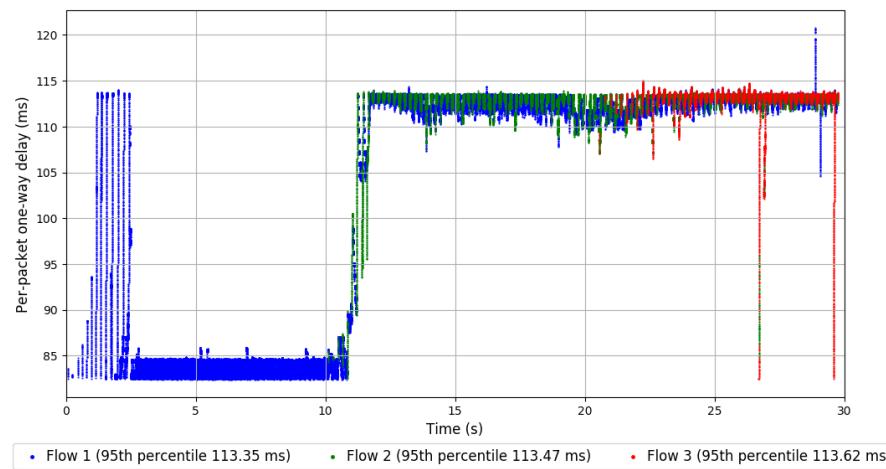
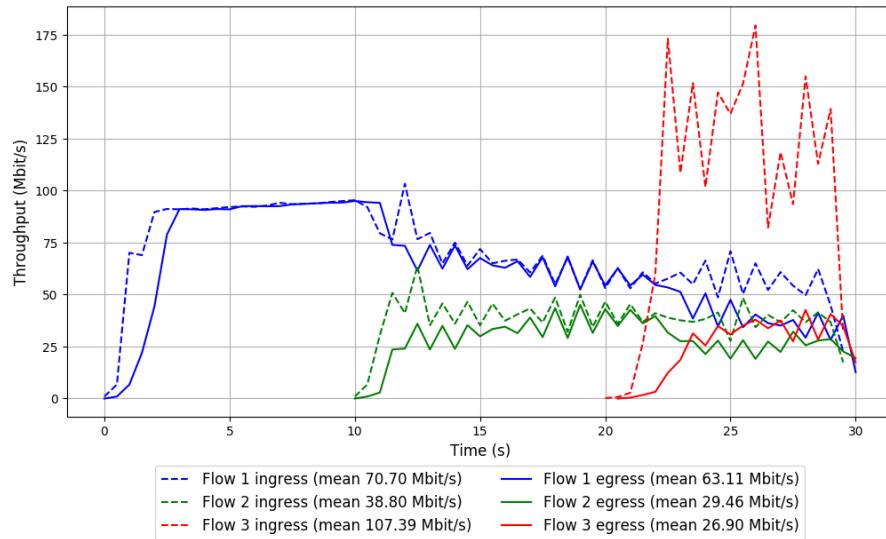


Run 5: Statistics of Indigo

```
Start at: 2019-01-03 01:48:27
End at: 2019-01-03 01:48:57
Local clock offset: -1.698 ms
Remote clock offset: 23.741 ms

# Below is generated by plot.py at 2019-01-03 02:09:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 113.464 ms
Loss rate: 29.81%
-- Flow 1:
Average throughput: 63.11 Mbit/s
95th percentile per-packet one-way delay: 113.347 ms
Loss rate: 10.65%
-- Flow 2:
Average throughput: 29.46 Mbit/s
95th percentile per-packet one-way delay: 113.475 ms
Loss rate: 23.96%
-- Flow 3:
Average throughput: 26.90 Mbit/s
95th percentile per-packet one-way delay: 113.624 ms
Loss rate: 74.93%
```

Run 5: Report of Indigo — Data Link

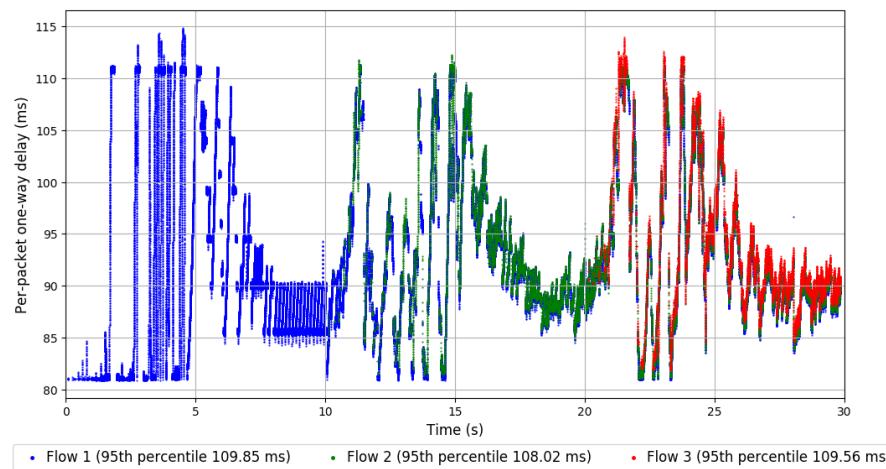
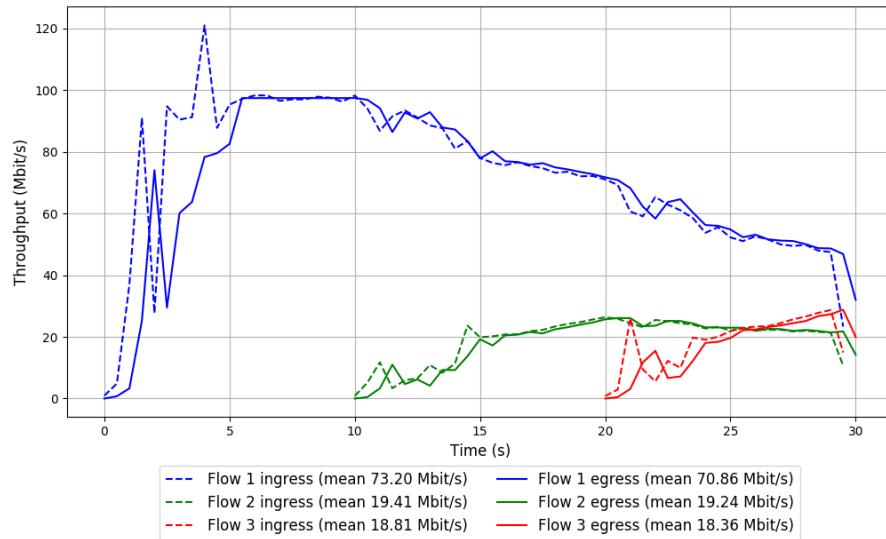


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-01-03 00:14:39
End at: 2019-01-03 00:15:09
Local clock offset: -0.489 ms
Remote clock offset: -7.973 ms

# Below is generated by plot.py at 2019-01-03 02:09:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 109.503 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 70.86 Mbit/s
95th percentile per-packet one-way delay: 109.853 ms
Loss rate: 3.18%
-- Flow 2:
Average throughput: 19.24 Mbit/s
95th percentile per-packet one-way delay: 108.022 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 18.36 Mbit/s
95th percentile per-packet one-way delay: 109.555 ms
Loss rate: 2.41%
```

Run 1: Report of Indigo-MusesD — Data Link

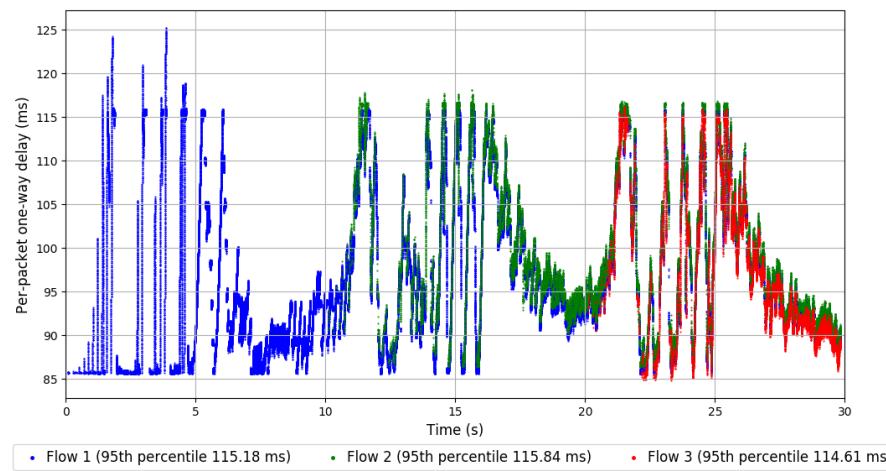
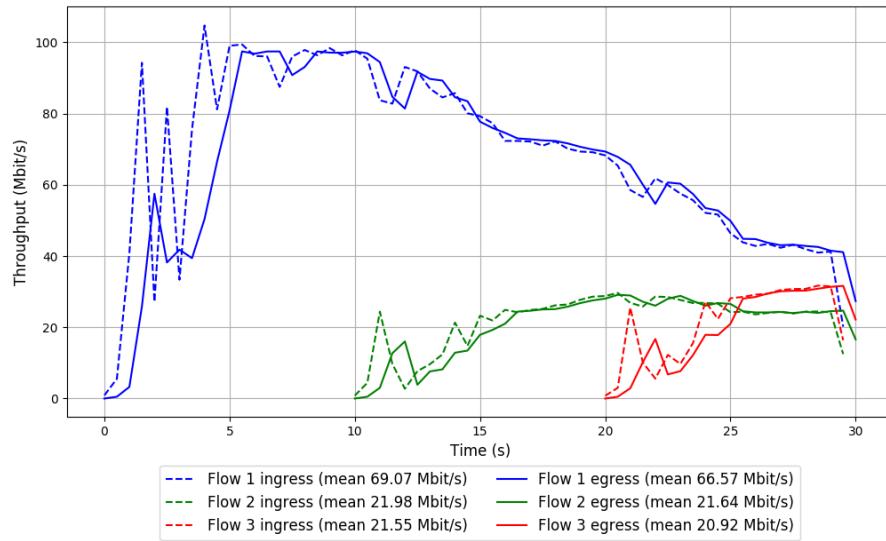


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-01-03 00:38:56
End at: 2019-01-03 00:39:26
Local clock offset: -1.396 ms
Remote clock offset: -5.742 ms

# Below is generated by plot.py at 2019-01-03 02:09:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.75 Mbit/s
95th percentile per-packet one-way delay: 115.096 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 115.178 ms
Loss rate: 3.62%
-- Flow 2:
Average throughput: 21.64 Mbit/s
95th percentile per-packet one-way delay: 115.844 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 20.92 Mbit/s
95th percentile per-packet one-way delay: 114.609 ms
Loss rate: 2.99%
```

Run 2: Report of Indigo-MusesD — Data Link

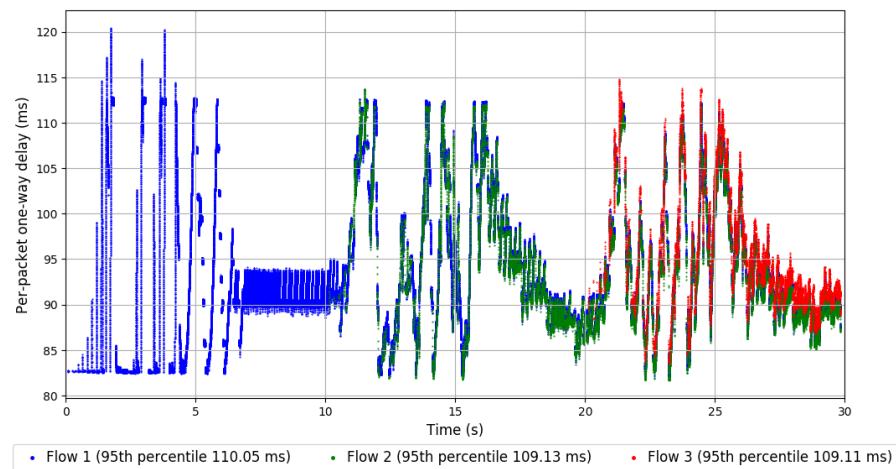
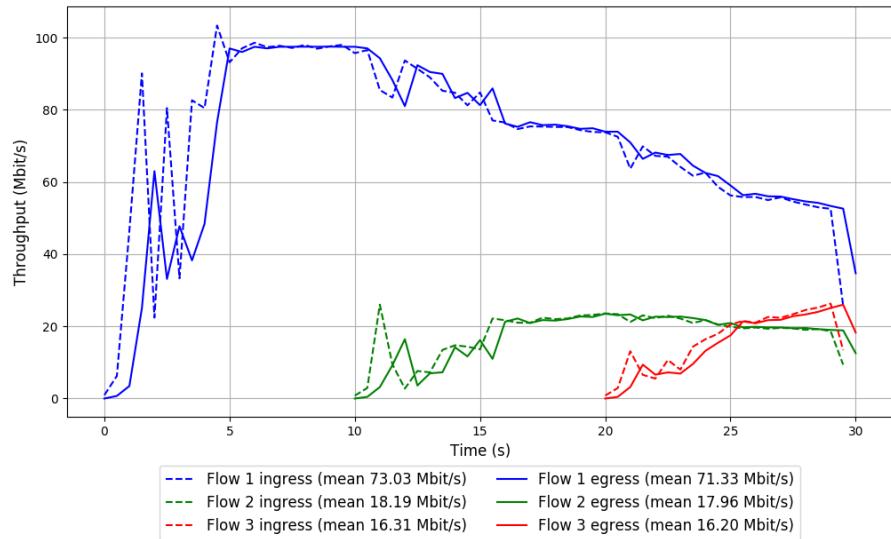


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-01-03 01:02:56
End at: 2019-01-03 01:03:26
Local clock offset: -2.536 ms
Remote clock offset: 1.888 ms

# Below is generated by plot.py at 2019-01-03 02:10:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.52 Mbit/s
95th percentile per-packet one-way delay: 109.782 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 71.33 Mbit/s
95th percentile per-packet one-way delay: 110.048 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 17.96 Mbit/s
95th percentile per-packet one-way delay: 109.127 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 16.20 Mbit/s
95th percentile per-packet one-way delay: 109.106 ms
Loss rate: 0.74%
```

Run 3: Report of Indigo-MusesD — Data Link

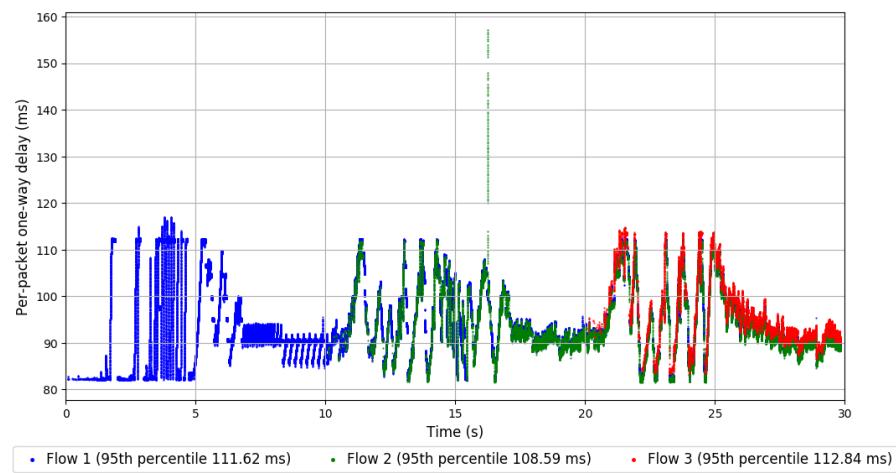
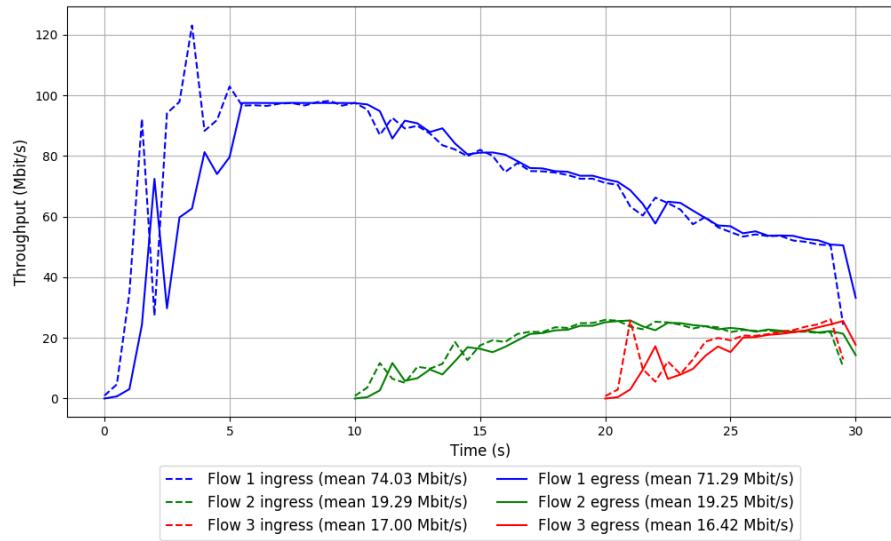


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-01-03 01:26:57
End at: 2019-01-03 01:27:27
Local clock offset: -1.68 ms
Remote clock offset: 17.356 ms

# Below is generated by plot.py at 2019-01-03 02:10:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.40 Mbit/s
95th percentile per-packet one-way delay: 111.243 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 71.29 Mbit/s
95th percentile per-packet one-way delay: 111.618 ms
Loss rate: 3.68%
-- Flow 2:
Average throughput: 19.25 Mbit/s
95th percentile per-packet one-way delay: 108.586 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 16.42 Mbit/s
95th percentile per-packet one-way delay: 112.842 ms
Loss rate: 3.41%
```

Run 4: Report of Indigo-MusesD — Data Link

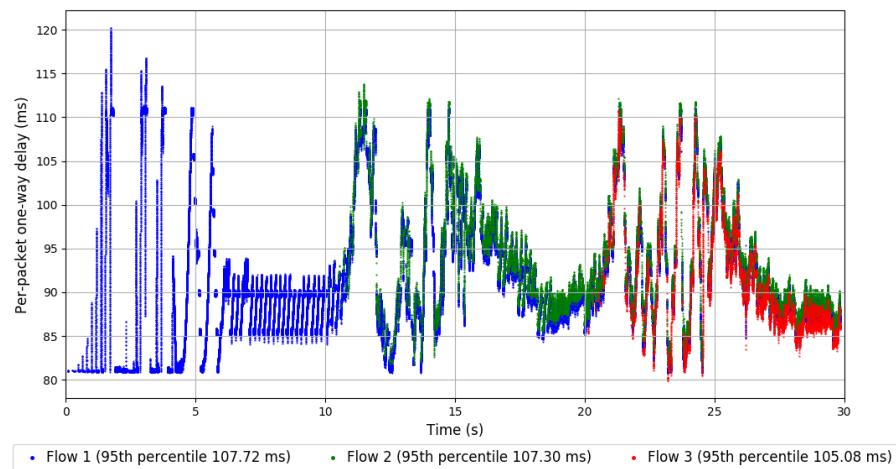
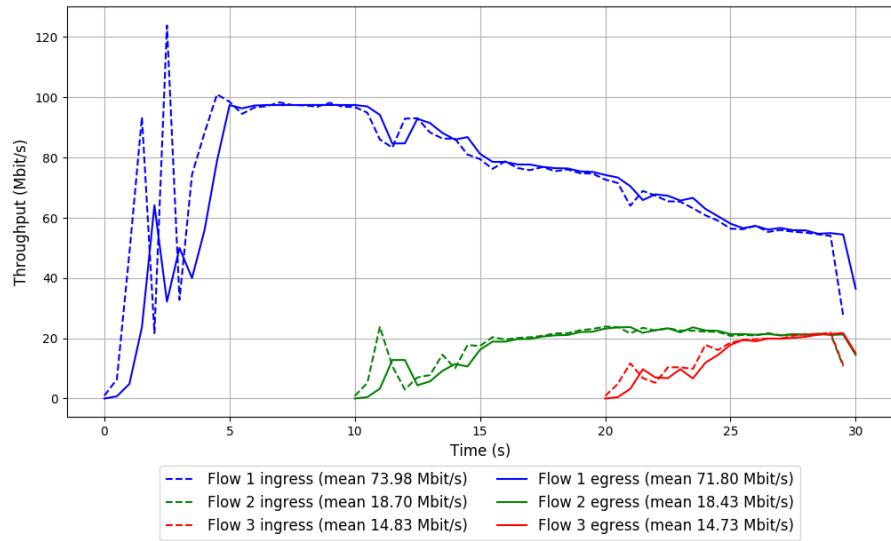


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-01-03 01:51:00
End at: 2019-01-03 01:51:31
Local clock offset: -0.879 ms
Remote clock offset: 24.425 ms

# Below is generated by plot.py at 2019-01-03 02:10:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.82 Mbit/s
95th percentile per-packet one-way delay: 107.543 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 71.80 Mbit/s
95th percentile per-packet one-way delay: 107.721 ms
Loss rate: 2.94%
-- Flow 2:
Average throughput: 18.43 Mbit/s
95th percentile per-packet one-way delay: 107.297 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 14.73 Mbit/s
95th percentile per-packet one-way delay: 105.085 ms
Loss rate: 0.69%
```

Run 5: Report of Indigo-MusesD — Data Link

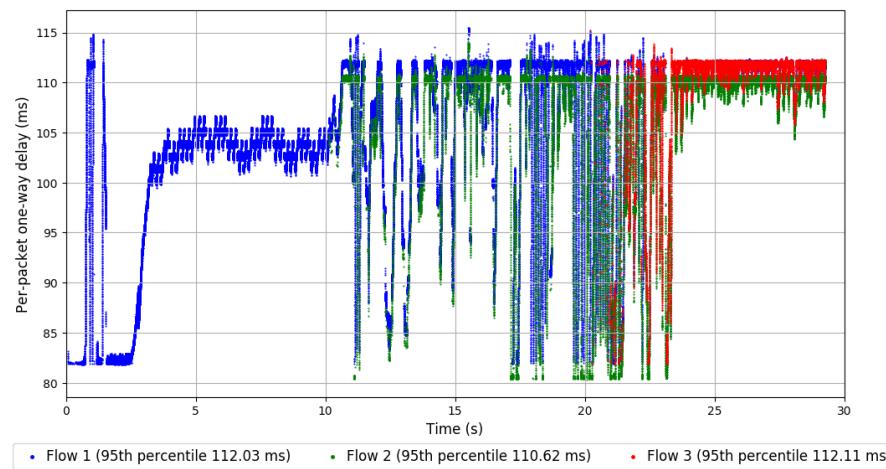
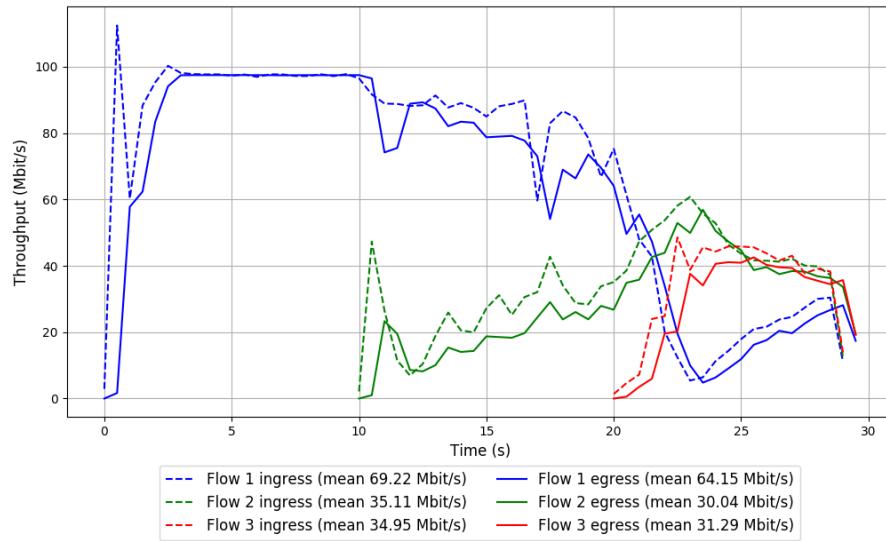


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-01-03 00:23:23
End at: 2019-01-03 00:23:53
Local clock offset: -0.184 ms
Remote clock offset: -8.505 ms

# Below is generated by plot.py at 2019-01-03 02:10:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 112.038 ms
Loss rate: 9.17%
-- Flow 1:
Average throughput: 64.15 Mbit/s
95th percentile per-packet one-way delay: 112.029 ms
Loss rate: 7.22%
-- Flow 2:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 110.625 ms
Loss rate: 14.40%
-- Flow 3:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 112.109 ms
Loss rate: 10.49%
```

Run 1: Report of Indigo-MusesT — Data Link

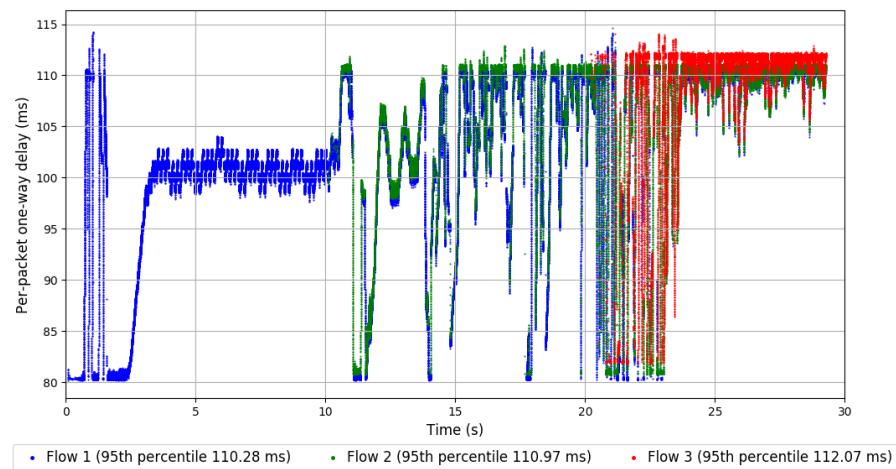
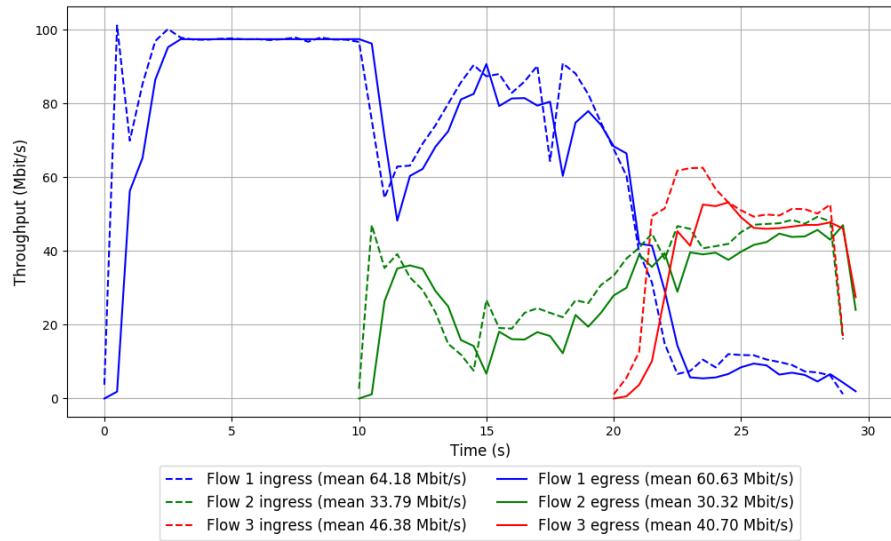


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-01-03 00:47:40
End at: 2019-01-03 00:48:10
Local clock offset: -1.524 ms
Remote clock offset: -10.013 ms

# Below is generated by plot.py at 2019-01-03 02:10:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 111.761 ms
Loss rate: 7.46%
-- Flow 1:
Average throughput: 60.63 Mbit/s
95th percentile per-packet one-way delay: 110.277 ms
Loss rate: 5.44%
-- Flow 2:
Average throughput: 30.32 Mbit/s
95th percentile per-packet one-way delay: 110.969 ms
Loss rate: 10.21%
-- Flow 3:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: 112.069 ms
Loss rate: 12.26%
```

Run 2: Report of Indigo-MusesT — Data Link

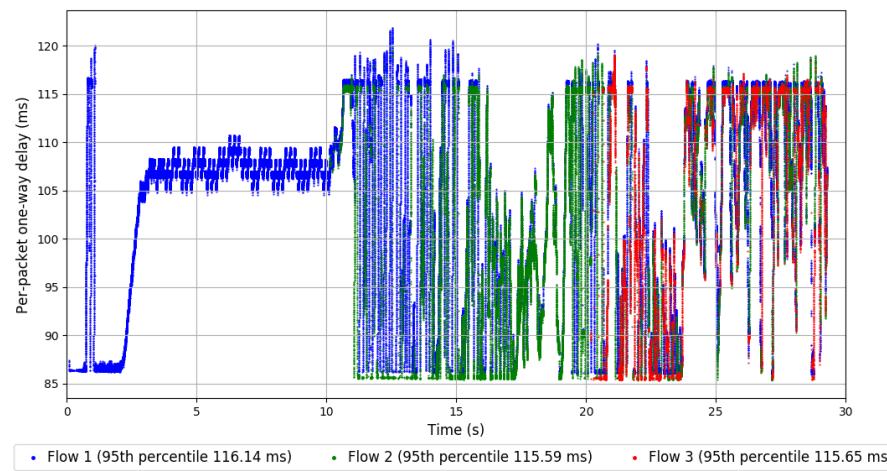
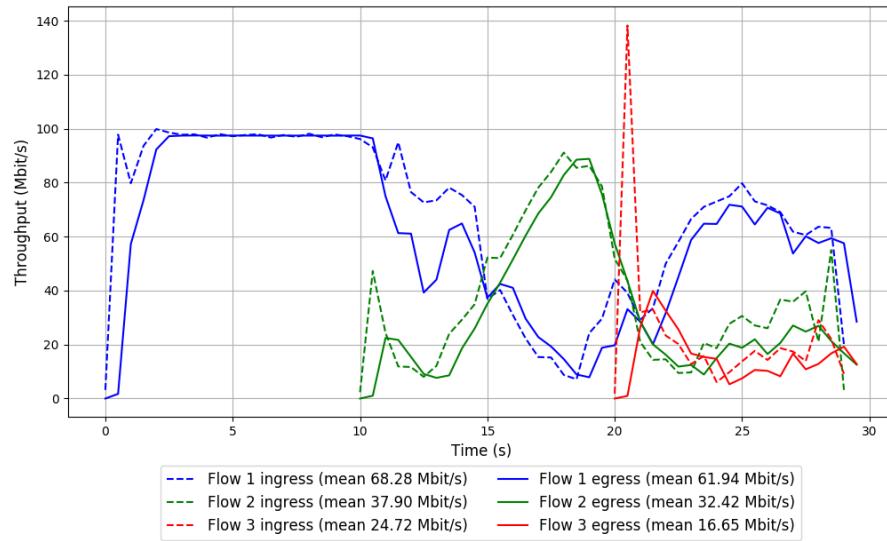


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-01-03 01:11:40
End at: 2019-01-03 01:12:10
Local clock offset: -1.874 ms
Remote clock offset: 14.435 ms

# Below is generated by plot.py at 2019-01-03 02:10:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 116.074 ms
Loss rate: 12.29%
-- Flow 1:
Average throughput: 61.94 Mbit/s
95th percentile per-packet one-way delay: 116.141 ms
Loss rate: 9.23%
-- Flow 2:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 115.587 ms
Loss rate: 14.45%
-- Flow 3:
Average throughput: 16.65 Mbit/s
95th percentile per-packet one-way delay: 115.649 ms
Loss rate: 32.50%
```

Run 3: Report of Indigo-MusesT — Data Link

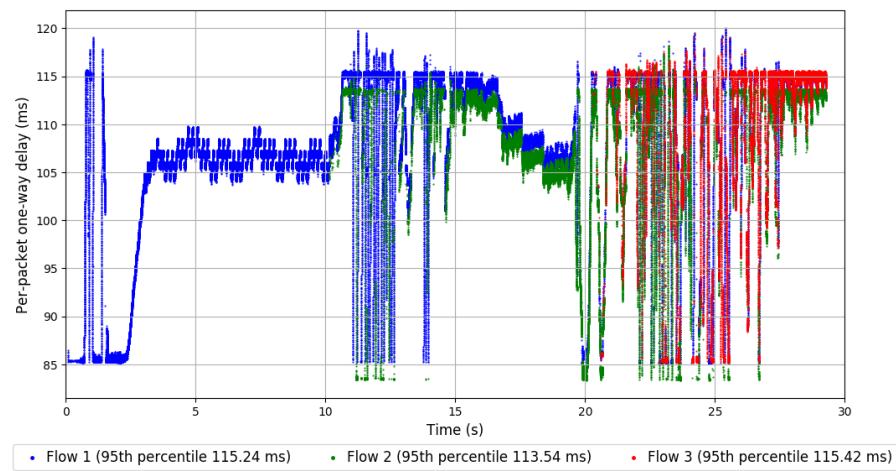
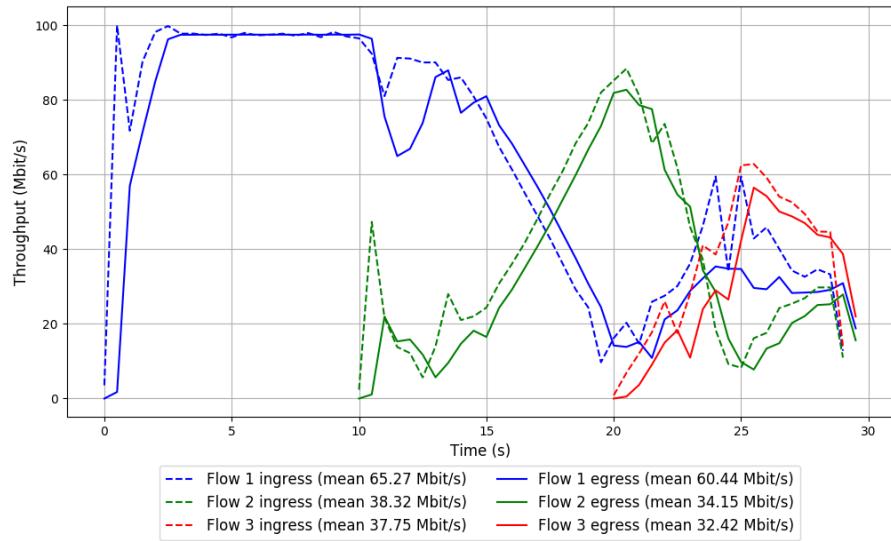


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-01-03 01:35:42
End at: 2019-01-03 01:36:12
Local clock offset: -1.214 ms
Remote clock offset: 23.618 ms

# Below is generated by plot.py at 2019-01-03 02:10:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.82 Mbit/s
95th percentile per-packet one-way delay: 115.260 ms
Loss rate: 8.97%
-- Flow 1:
Average throughput: 60.44 Mbit/s
95th percentile per-packet one-way delay: 115.238 ms
Loss rate: 7.32%
-- Flow 2:
Average throughput: 34.15 Mbit/s
95th percentile per-packet one-way delay: 113.539 ms
Loss rate: 10.84%
-- Flow 3:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 115.424 ms
Loss rate: 14.17%
```

Run 4: Report of Indigo-MusesT — Data Link

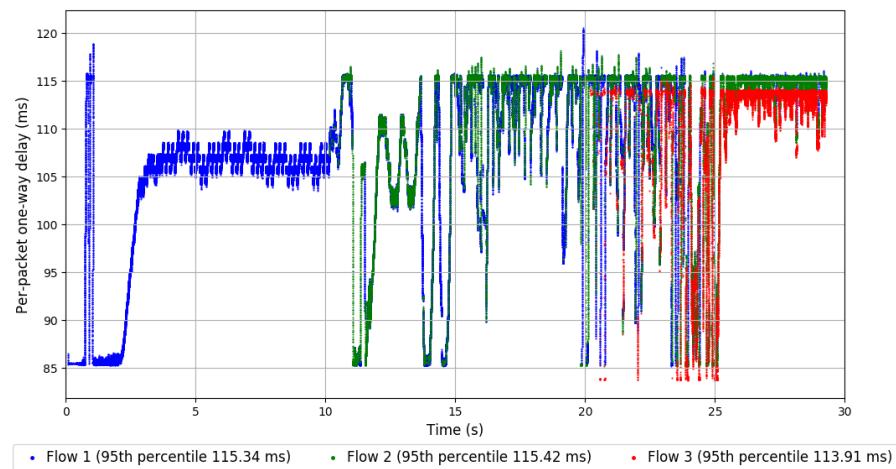
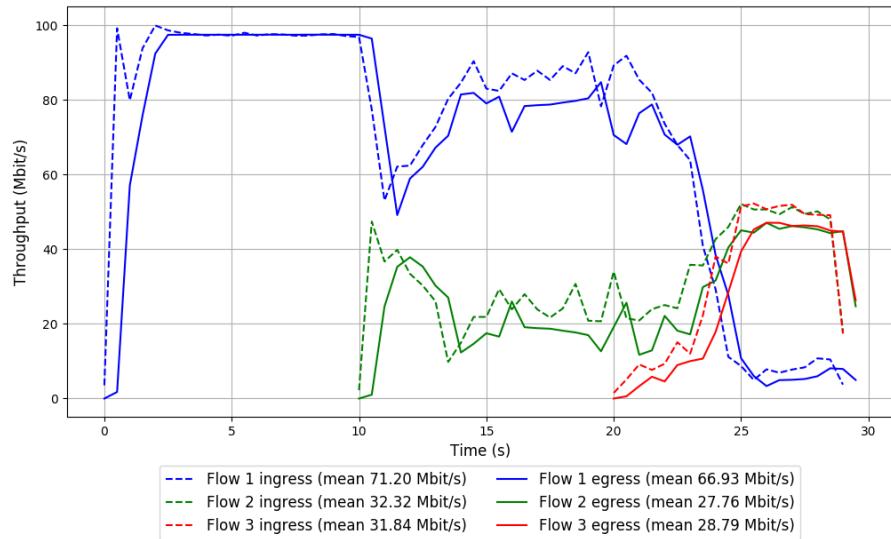


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-01-03 01:59:43
End at: 2019-01-03 02:00:14
Local clock offset: -1.033 ms
Remote clock offset: 30.398 ms

# Below is generated by plot.py at 2019-01-03 02:11:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 115.359 ms
Loss rate: 7.95%
-- Flow 1:
Average throughput: 66.93 Mbit/s
95th percentile per-packet one-way delay: 115.342 ms
Loss rate: 5.90%
-- Flow 2:
Average throughput: 27.76 Mbit/s
95th percentile per-packet one-way delay: 115.422 ms
Loss rate: 14.06%
-- Flow 3:
Average throughput: 28.79 Mbit/s
95th percentile per-packet one-way delay: 113.913 ms
Loss rate: 9.56%
```

Run 5: Report of Indigo-MusesT — Data Link

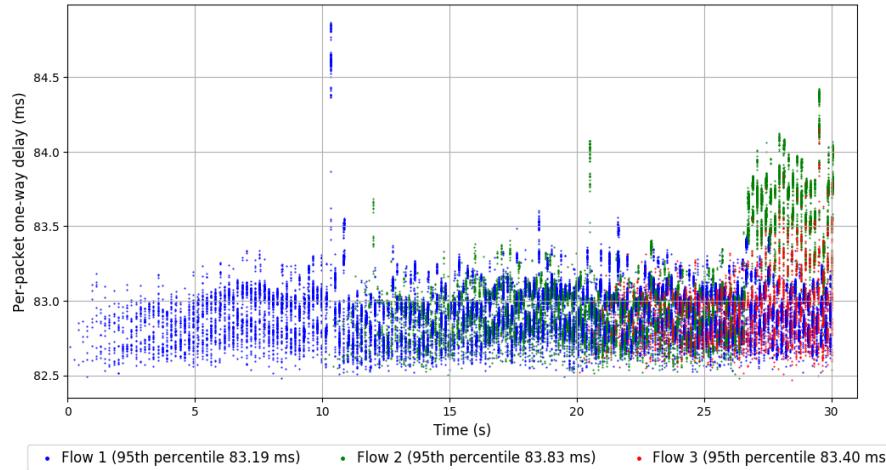
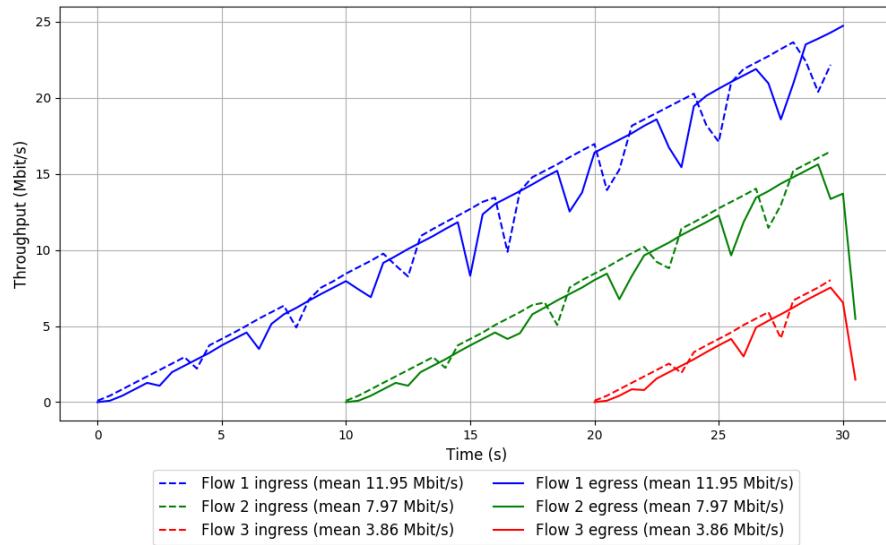


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-01-03 00:15:57
End at: 2019-01-03 00:16:27
Local clock offset: -1.202 ms
Remote clock offset: -8.143 ms

# Below is generated by plot.py at 2019-01-03 02:11:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.51 Mbit/s
95th percentile per-packet one-way delay: 83.676 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 83.193 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 83.833 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 83.398 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

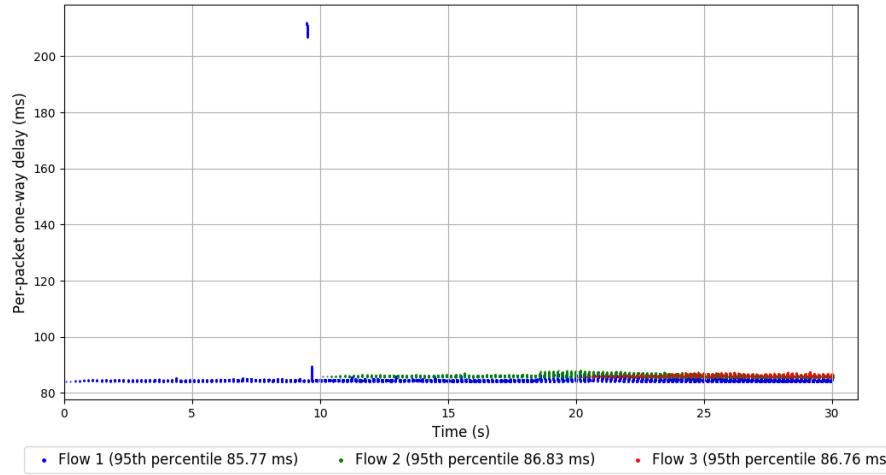
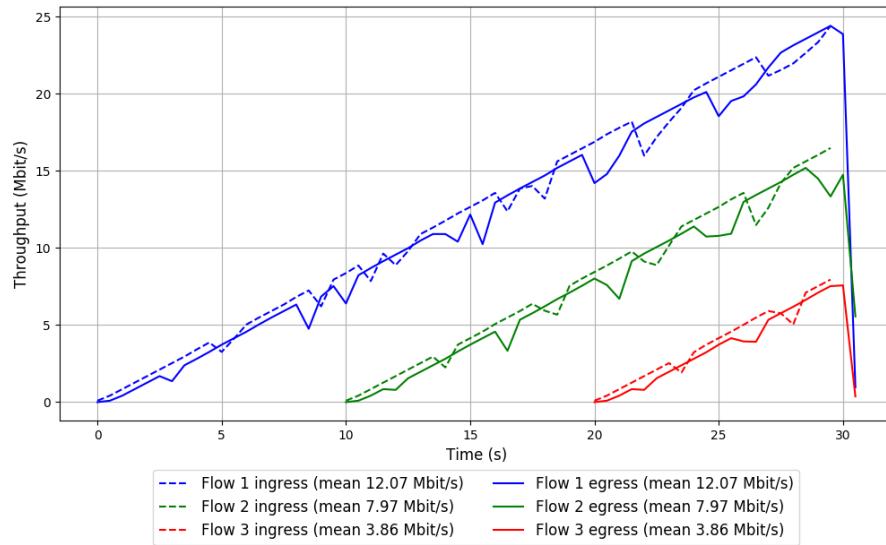


Run 2: Statistics of LEDBAT

```
Start at: 2019-01-03 00:40:14
End at: 2019-01-03 00:40:44
Local clock offset: -1.427 ms
Remote clock offset: -5.839 ms

# Below is generated by plot.py at 2019-01-03 02:11:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.63 Mbit/s
95th percentile per-packet one-way delay: 86.500 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 85.770 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 86.832 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 86.761 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

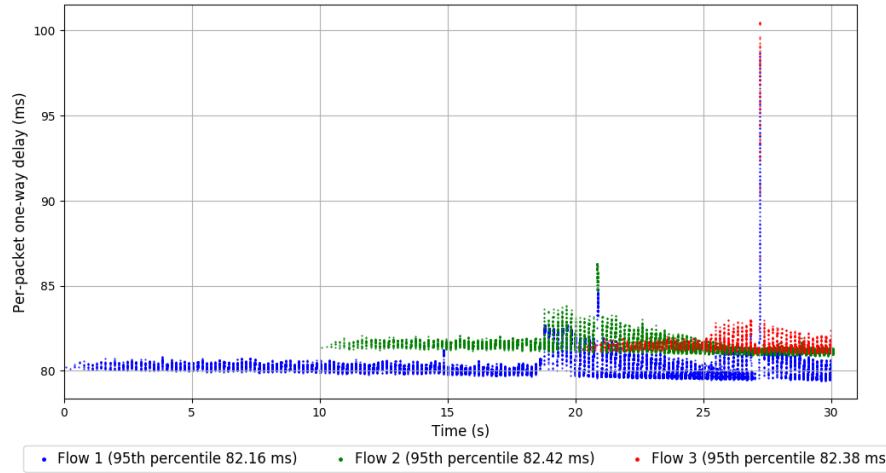
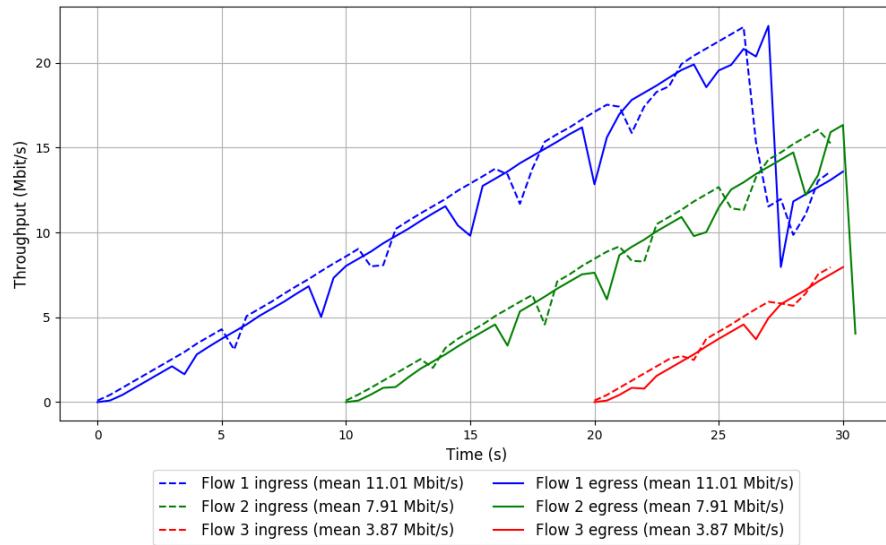


Run 3: Statistics of LEDBAT

```
Start at: 2019-01-03 01:04:14
End at: 2019-01-03 01:04:44
Local clock offset: -1.792 ms
Remote clock offset: 3.756 ms

# Below is generated by plot.py at 2019-01-03 02:11:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.52 Mbit/s
95th percentile per-packet one-way delay: 82.264 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 11.01 Mbit/s
95th percentile per-packet one-way delay: 82.162 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 82.421 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 82.384 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

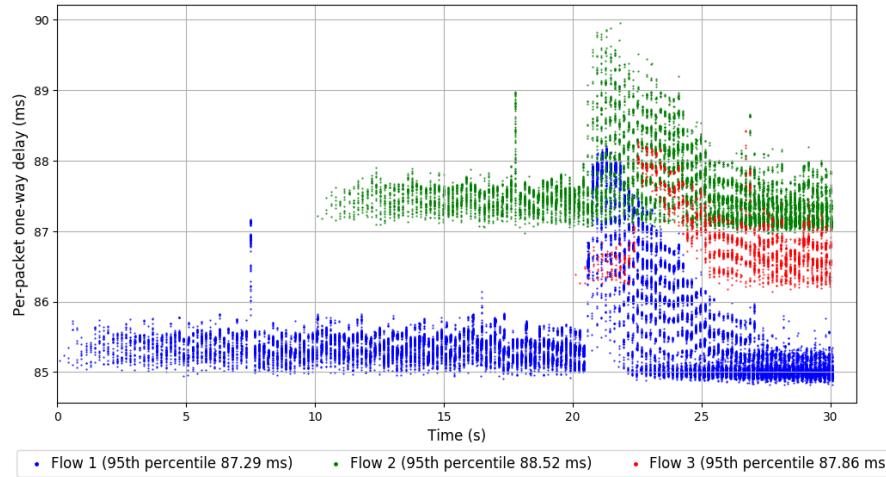
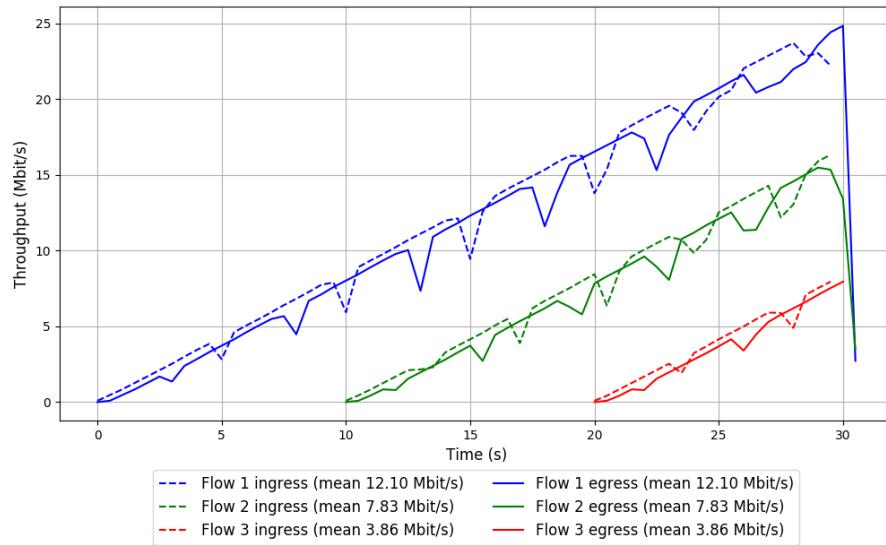


Run 4: Statistics of LEDBAT

```
Start at: 2019-01-03 01:28:15
End at: 2019-01-03 01:28:45
Local clock offset: -2.366 ms
Remote clock offset: 21.67 ms

# Below is generated by plot.py at 2019-01-03 02:11:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.57 Mbit/s
95th percentile per-packet one-way delay: 87.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 87.286 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 88.518 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 87.855 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

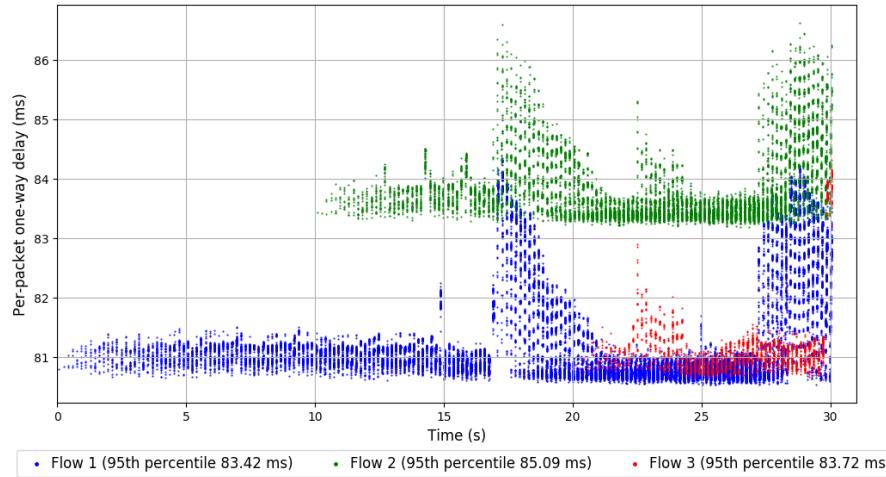
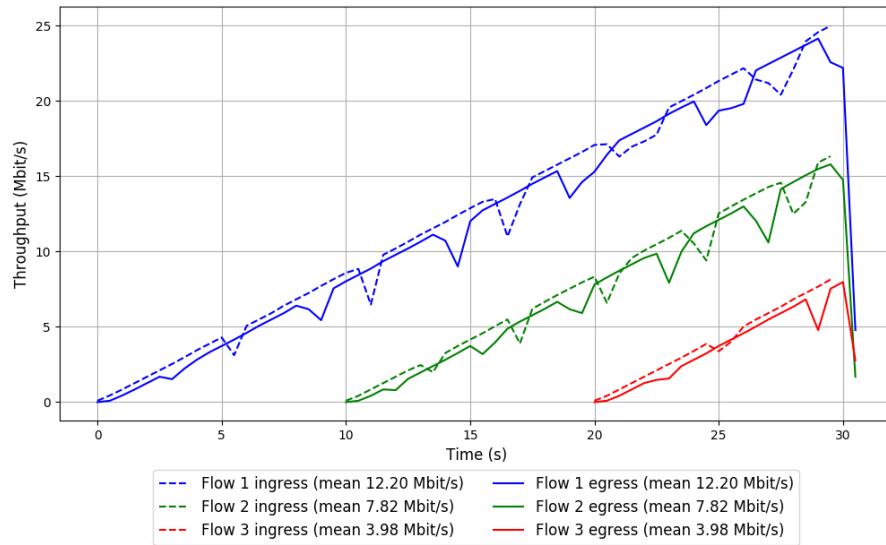


Run 5: Statistics of LEDBAT

```
Start at: 2019-01-03 01:52:18
End at: 2019-01-03 01:52:48
Local clock offset: -1.616 ms
Remote clock offset: 24.894 ms

# Below is generated by plot.py at 2019-01-03 02:11:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.72 Mbit/s
95th percentile per-packet one-way delay: 84.281 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.20 Mbit/s
95th percentile per-packet one-way delay: 83.421 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 85.093 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 83.717 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

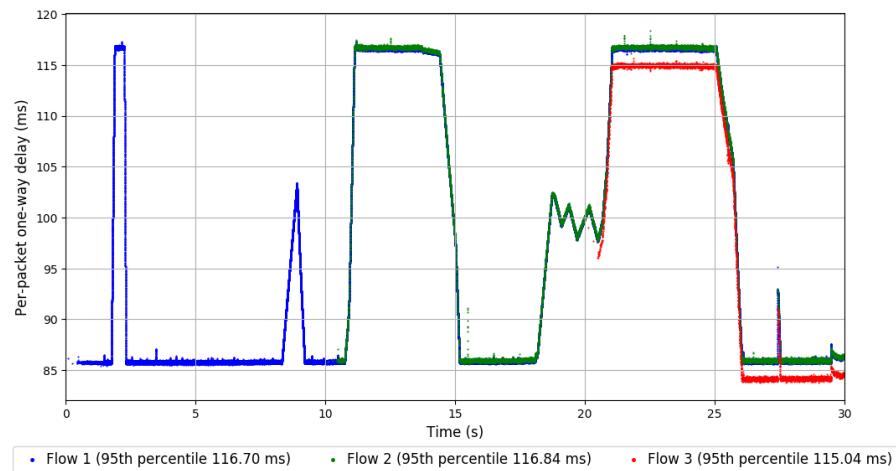
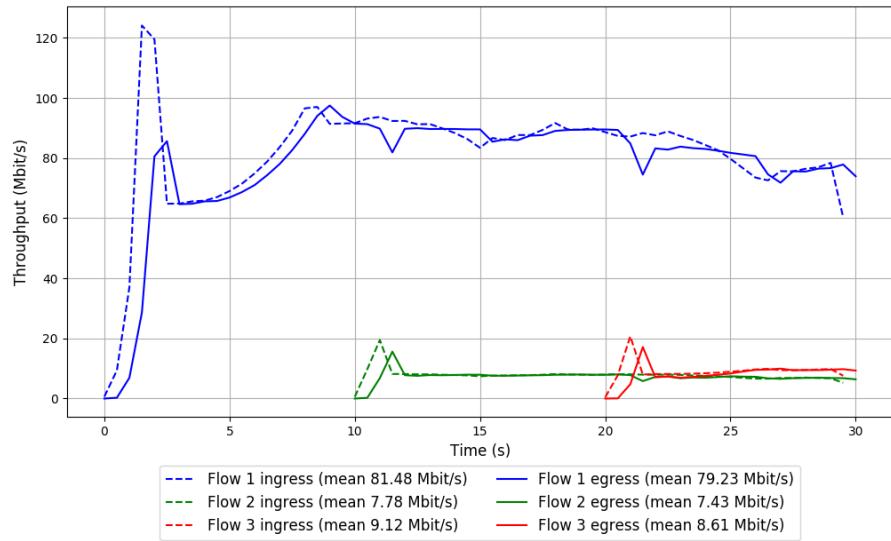


Run 1: Statistics of PCC-Allegro

```
Start at: 2019-01-03 00:06:54
End at: 2019-01-03 00:07:24
Local clock offset: -0.745 ms
Remote clock offset: -3.568 ms

# Below is generated by plot.py at 2019-01-03 02:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.00 Mbit/s
95th percentile per-packet one-way delay: 116.713 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 79.23 Mbit/s
95th percentile per-packet one-way delay: 116.703 ms
Loss rate: 2.77%
-- Flow 2:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 116.836 ms
Loss rate: 4.57%
-- Flow 3:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 115.043 ms
Loss rate: 5.82%
```

Run 1: Report of PCC-Allegro — Data Link

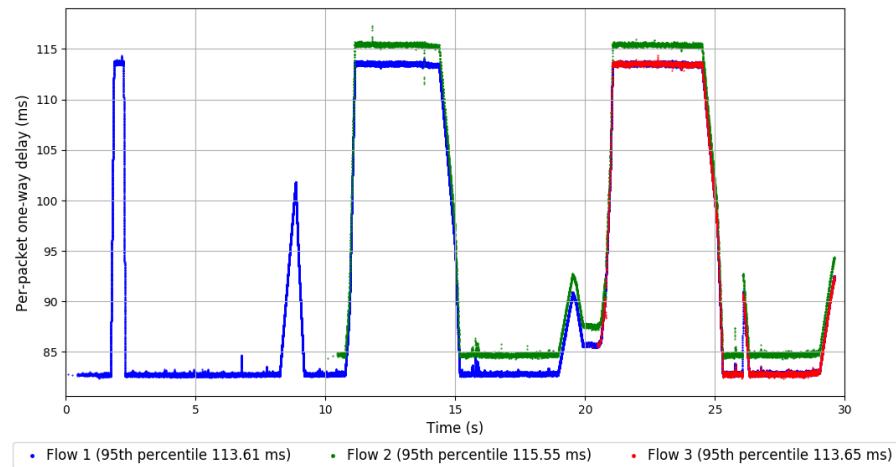
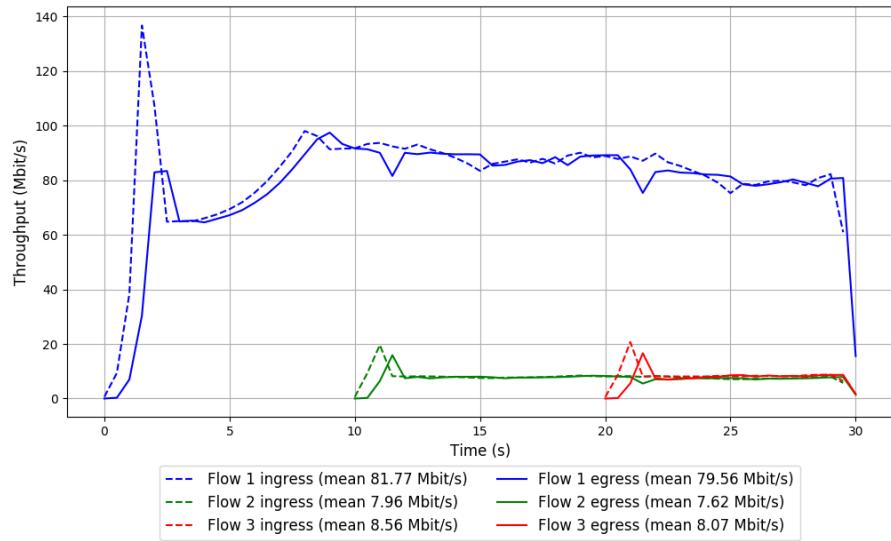


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-01-03 00:31:00
End at: 2019-01-03 00:31:30
Local clock offset: -1.794 ms
Remote clock offset: -9.02 ms

# Below is generated by plot.py at 2019-01-03 02:11:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 113.640 ms
Loss rate: 4.19%
-- Flow 1:
Average throughput: 79.56 Mbit/s
95th percentile per-packet one-way delay: 113.607 ms
Loss rate: 3.89%
-- Flow 2:
Average throughput: 7.62 Mbit/s
95th percentile per-packet one-way delay: 115.546 ms
Loss rate: 6.13%
-- Flow 3:
Average throughput: 8.07 Mbit/s
95th percentile per-packet one-way delay: 113.646 ms
Loss rate: 9.21%
```

Run 2: Report of PCC-Allegro — Data Link

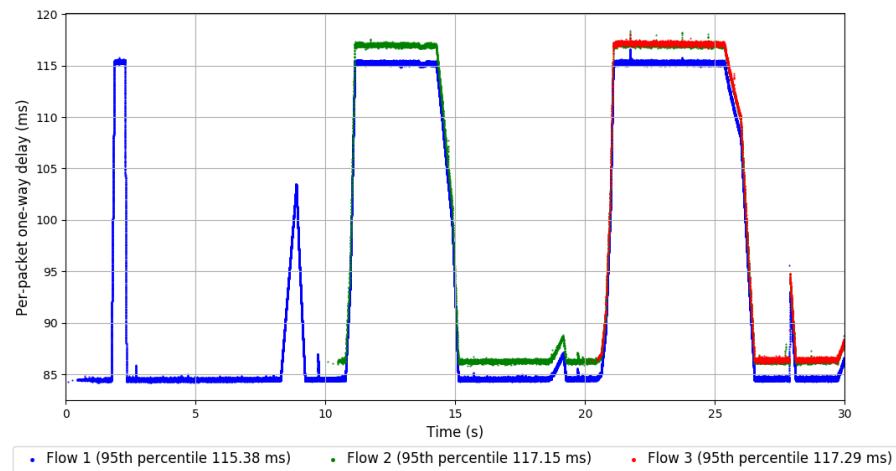
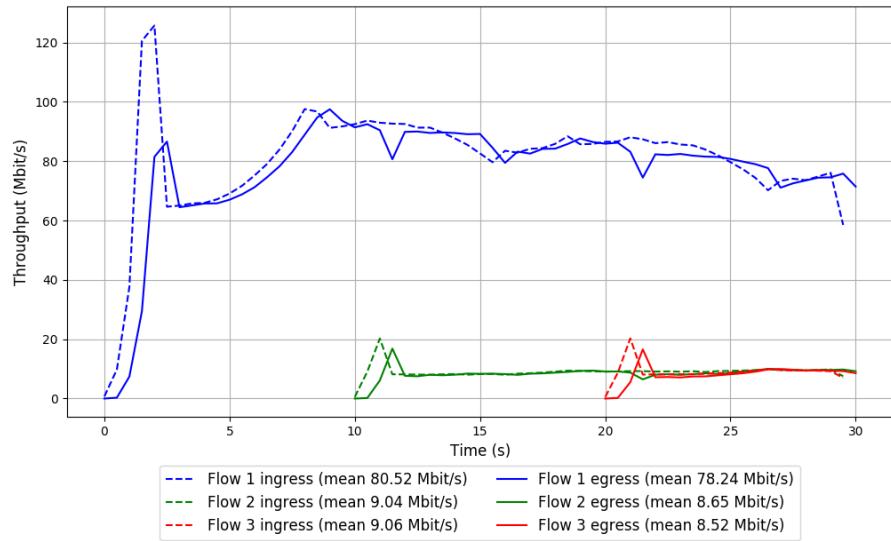


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-01-03 00:55:14
End at: 2019-01-03 00:55:44
Local clock offset: -2.315 ms
Remote clock offset: -7.088 ms

# Below is generated by plot.py at 2019-01-03 02:11:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 115.455 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 78.24 Mbit/s
95th percentile per-packet one-way delay: 115.377 ms
Loss rate: 2.83%
-- Flow 2:
Average throughput: 8.65 Mbit/s
95th percentile per-packet one-way delay: 117.148 ms
Loss rate: 4.24%
-- Flow 3:
Average throughput: 8.52 Mbit/s
95th percentile per-packet one-way delay: 117.287 ms
Loss rate: 5.95%
```

Run 3: Report of PCC-Allegro — Data Link

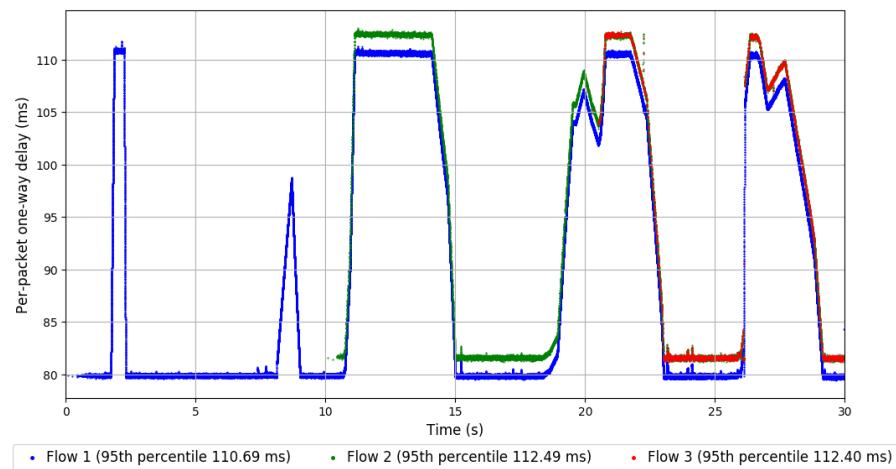
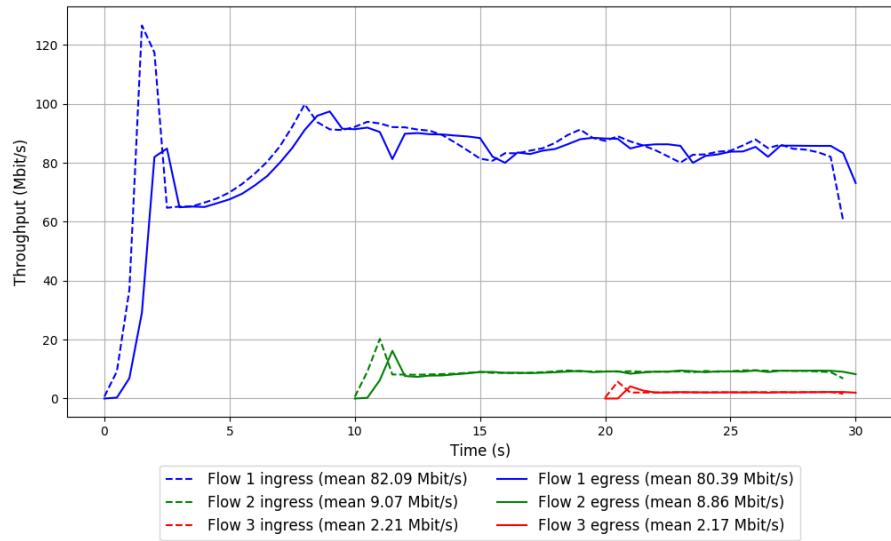


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-01-03 01:19:14
End at: 2019-01-03 01:19:44
Local clock offset: -1.889 ms
Remote clock offset: 14.374 ms

# Below is generated by plot.py at 2019-01-03 02:11:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 110.724 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 80.39 Mbit/s
95th percentile per-packet one-way delay: 110.686 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 8.86 Mbit/s
95th percentile per-packet one-way delay: 112.492 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 112.401 ms
Loss rate: 1.90%
```

Run 4: Report of PCC-Allegro — Data Link

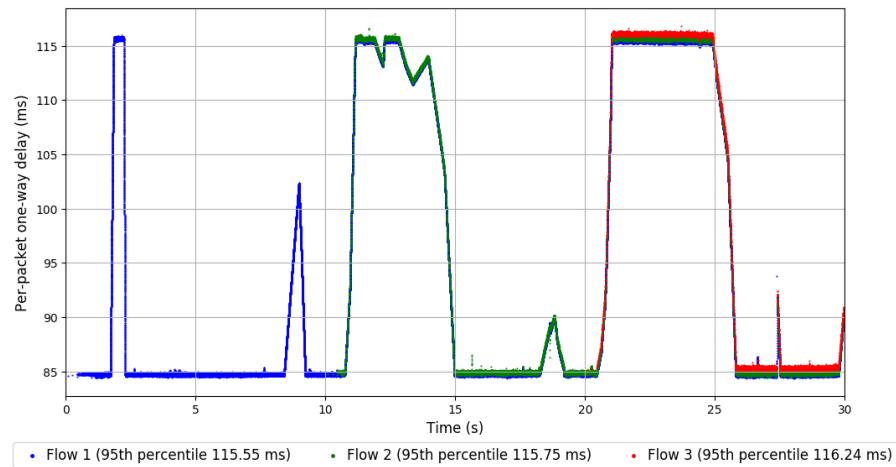
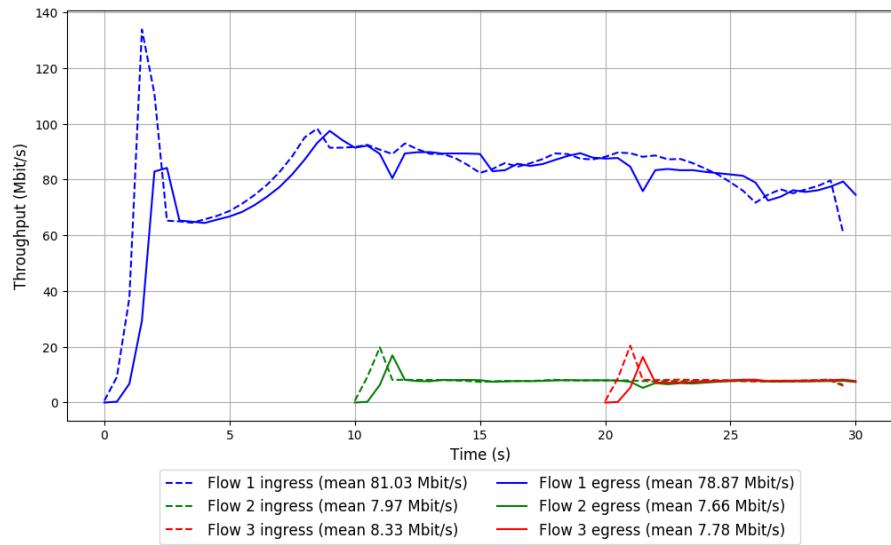


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-01-03 01:43:18
End at: 2019-01-03 01:43:48
Local clock offset: -1.792 ms
Remote clock offset: 26.18 ms

# Below is generated by plot.py at 2019-01-03 02:11:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 115.597 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 78.87 Mbit/s
95th percentile per-packet one-way delay: 115.554 ms
Loss rate: 2.65%
-- Flow 2:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 115.755 ms
Loss rate: 3.83%
-- Flow 3:
Average throughput: 7.78 Mbit/s
95th percentile per-packet one-way delay: 116.236 ms
Loss rate: 6.50%
```

Run 5: Report of PCC-Allegro — Data Link

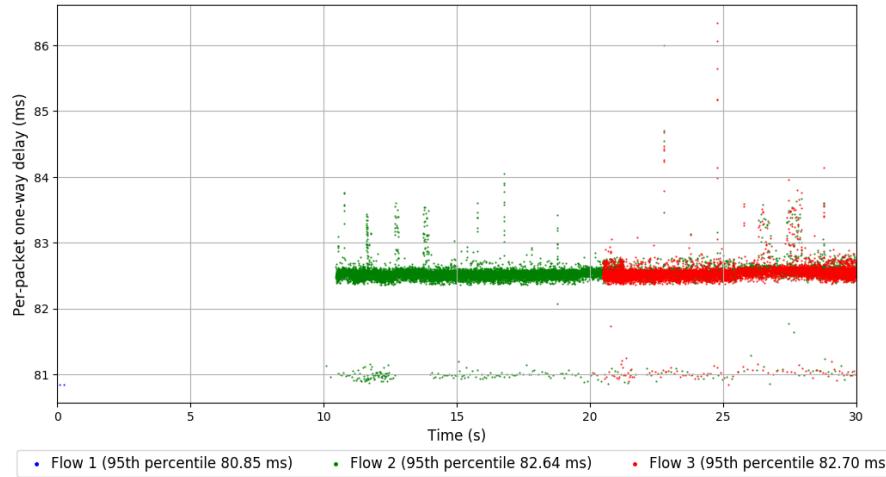
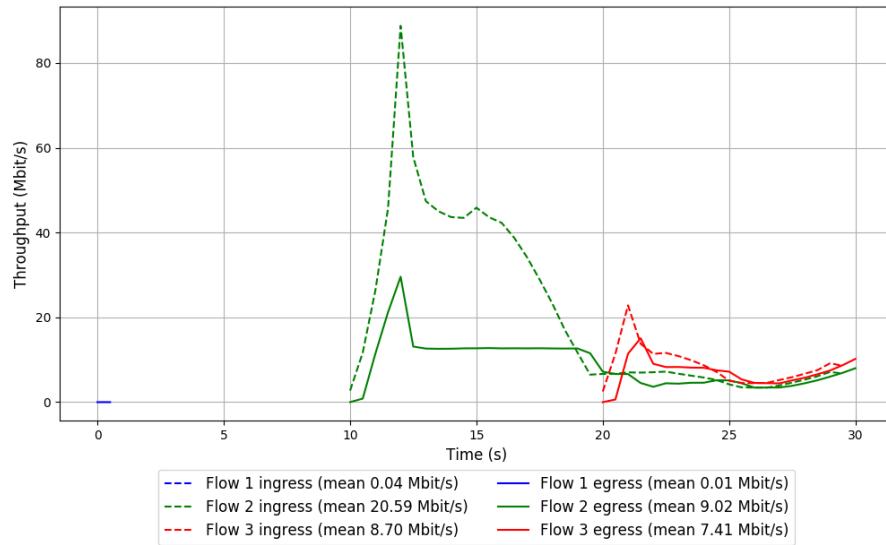


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-01-03 00:20:53
End at: 2019-01-03 00:21:23
Local clock offset: -1.037 ms
Remote clock offset: -8.572 ms

# Below is generated by plot.py at 2019-01-03 02:11:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 82.658 ms
Loss rate: 49.03%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 80.850 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 9.02 Mbit/s
95th percentile per-packet one-way delay: 82.640 ms
Loss rate: 56.21%
-- Flow 3:
Average throughput: 7.41 Mbit/s
95th percentile per-packet one-way delay: 82.697 ms
Loss rate: 14.81%
```

Run 1: Report of PCC-Expr — Data Link

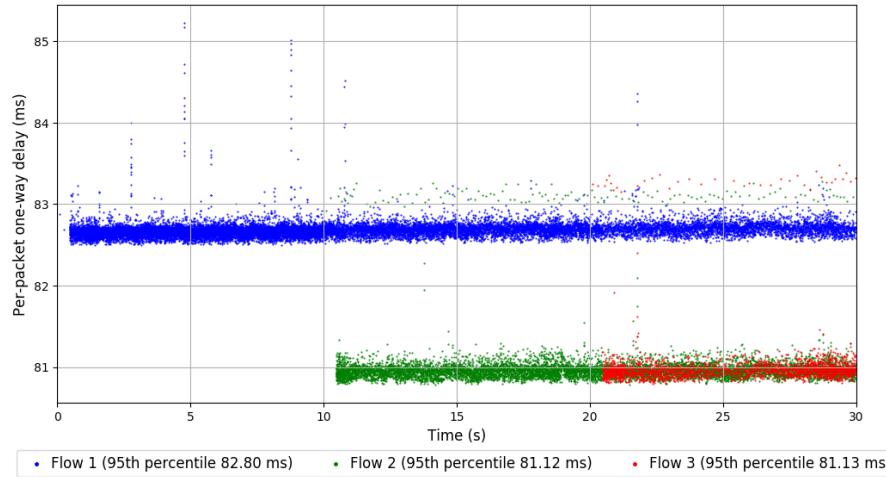
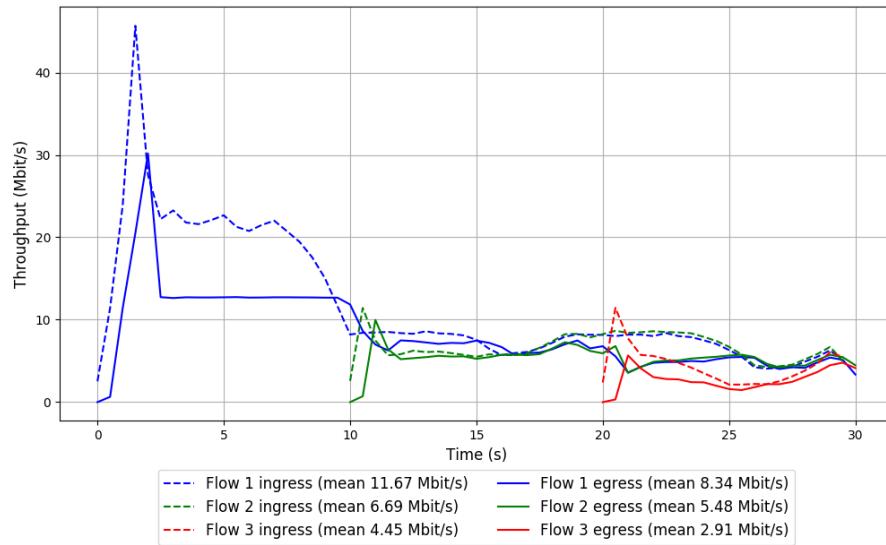


Run 2: Statistics of PCC-Expr

```
Start at: 2019-01-03 00:45:10
End at: 2019-01-03 00:45:40
Local clock offset: -2.267 ms
Remote clock offset: -9.943 ms

# Below is generated by plot.py at 2019-01-03 02:11:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 82.775 ms
Loss rate: 26.42%
-- Flow 1:
Average throughput: 8.34 Mbit/s
95th percentile per-packet one-way delay: 82.796 ms
Loss rate: 28.52%
-- Flow 2:
Average throughput: 5.48 Mbit/s
95th percentile per-packet one-way delay: 81.117 ms
Loss rate: 18.19%
-- Flow 3:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 81.129 ms
Loss rate: 34.68%
```

Run 2: Report of PCC-Expr — Data Link

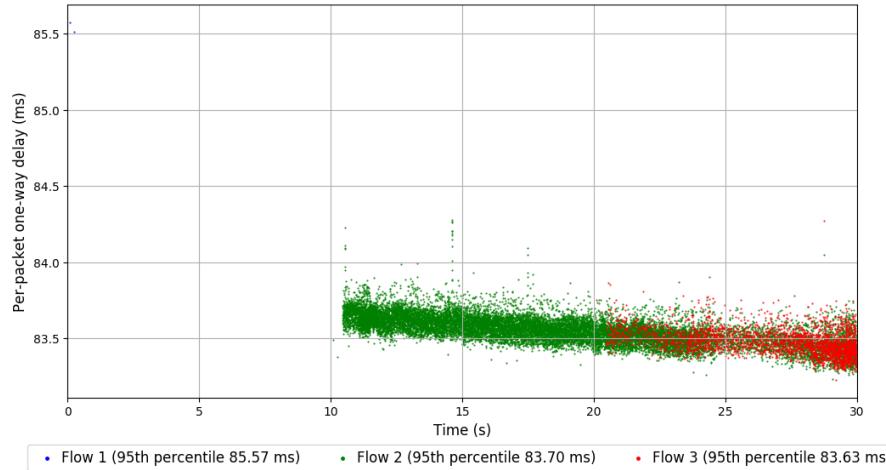
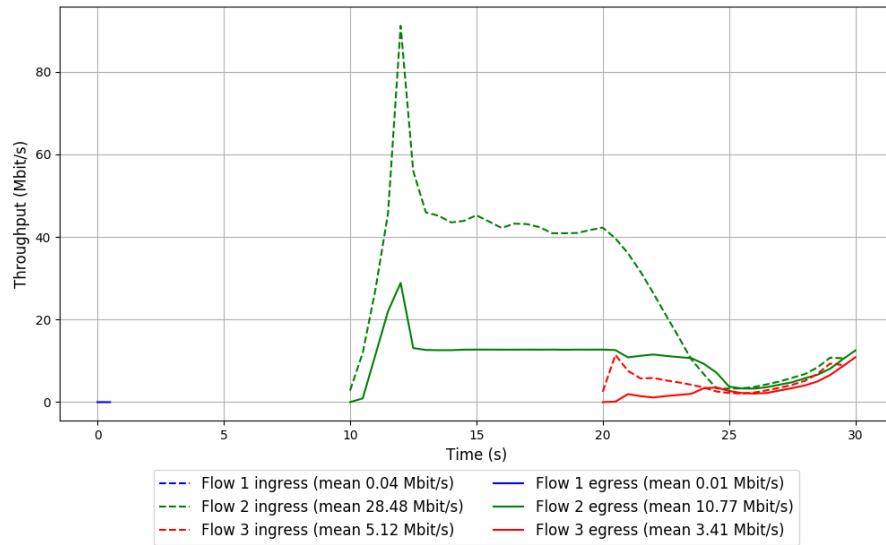


Run 3: Statistics of PCC-Expr

```
Start at: 2019-01-03 01:09:09
End at: 2019-01-03 01:09:39
Local clock offset: -1.94 ms
Remote clock offset: 12.33 ms

# Below is generated by plot.py at 2019-01-03 02:11:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 83.697 ms
Loss rate: 59.81%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 85.574 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 83.701 ms
Loss rate: 62.18%
-- Flow 3:
Average throughput: 3.41 Mbit/s
95th percentile per-packet one-way delay: 83.626 ms
Loss rate: 33.28%
```

Run 3: Report of PCC-Expr — Data Link

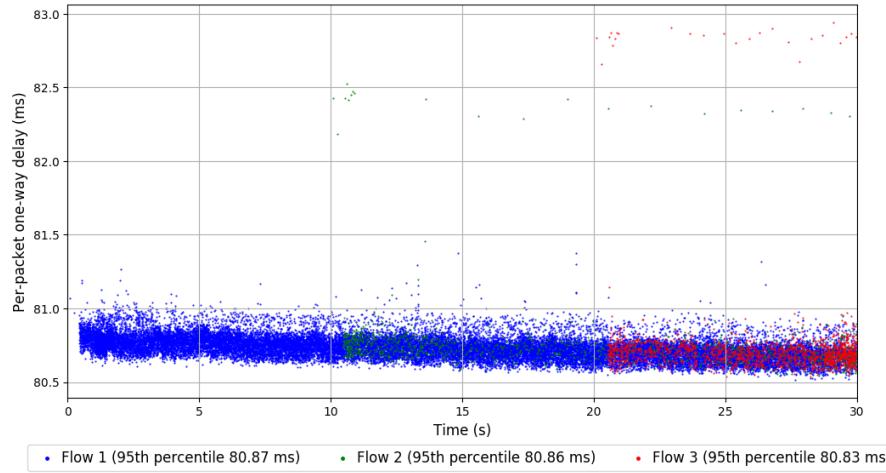
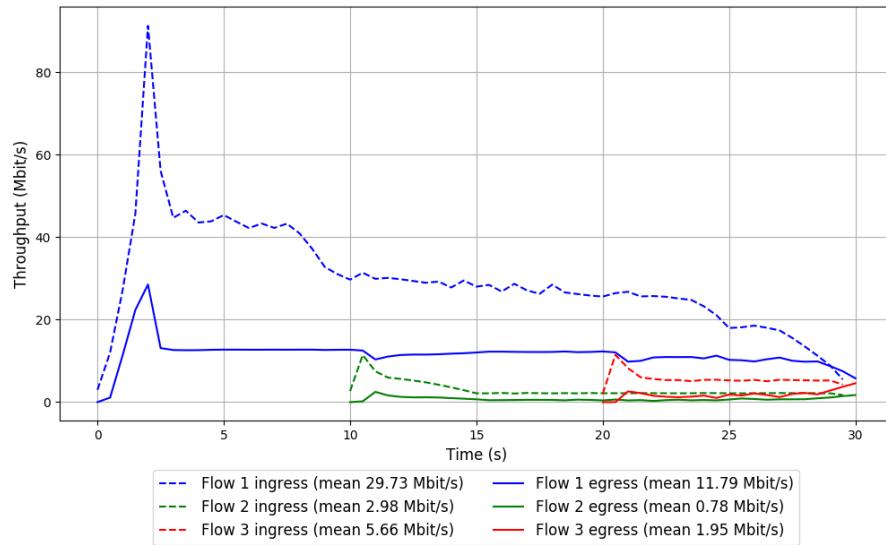


Run 4: Statistics of PCC-Expr

```
Start at: 2019-01-03 01:33:11
End at: 2019-01-03 01:38:41
Local clock offset: -2.09 ms
Remote clock offset: 19.331 ms

# Below is generated by plot.py at 2019-01-03 02:11:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 80.870 ms
Loss rate: 61.43%
-- Flow 1:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 80.871 ms
Loss rate: 60.35%
-- Flow 2:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 80.860 ms
Loss rate: 73.69%
-- Flow 3:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 80.829 ms
Loss rate: 65.52%
```

Run 4: Report of PCC-Expr — Data Link

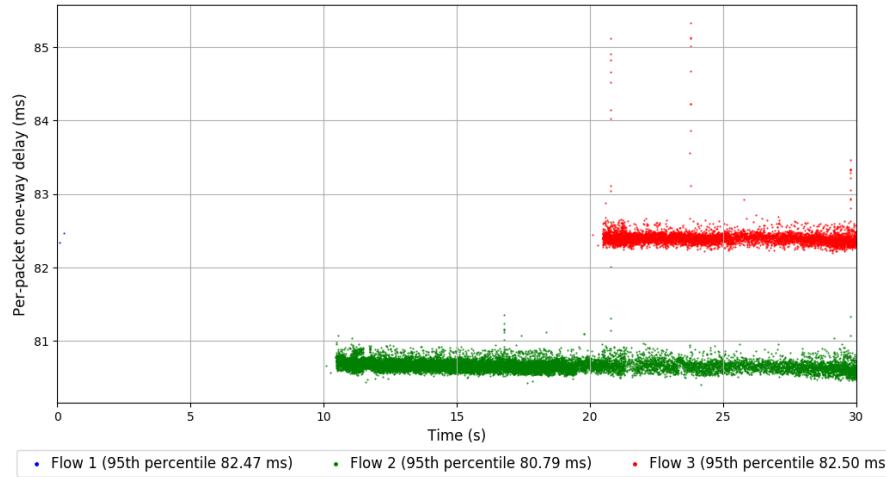
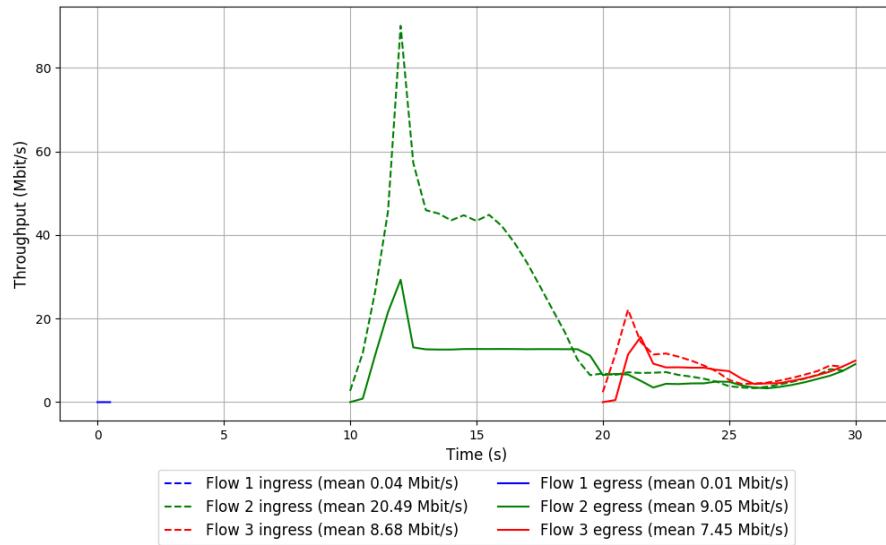


Run 5: Statistics of PCC-Expr

```
Start at: 2019-01-03 01:57:14
End at: 2019-01-03 01:57:44
Local clock offset: -1.705 ms
Remote clock offset: 26.066 ms

# Below is generated by plot.py at 2019-01-03 02:11:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: 82.445 ms
Loss rate: 48.62%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 82.466 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 9.05 Mbit/s
95th percentile per-packet one-way delay: 80.788 ms
Loss rate: 55.85%
-- Flow 3:
Average throughput: 7.45 Mbit/s
95th percentile per-packet one-way delay: 82.505 ms
Loss rate: 14.24%
```

Run 5: Report of PCC-Expr — Data Link

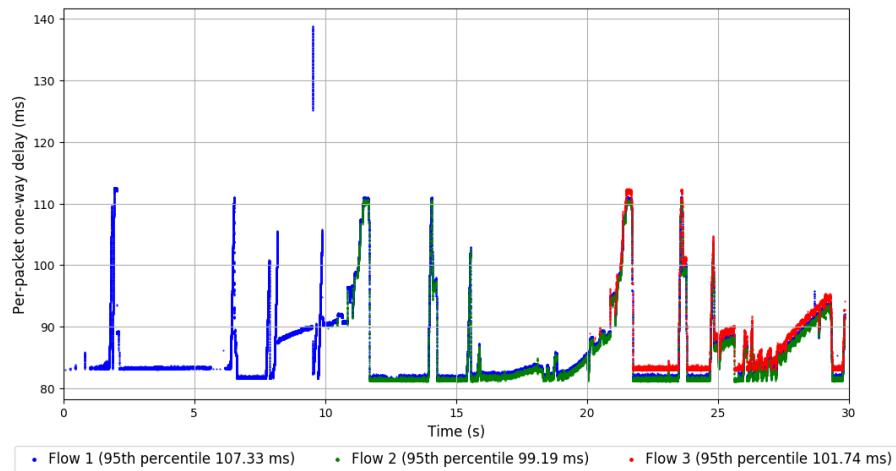
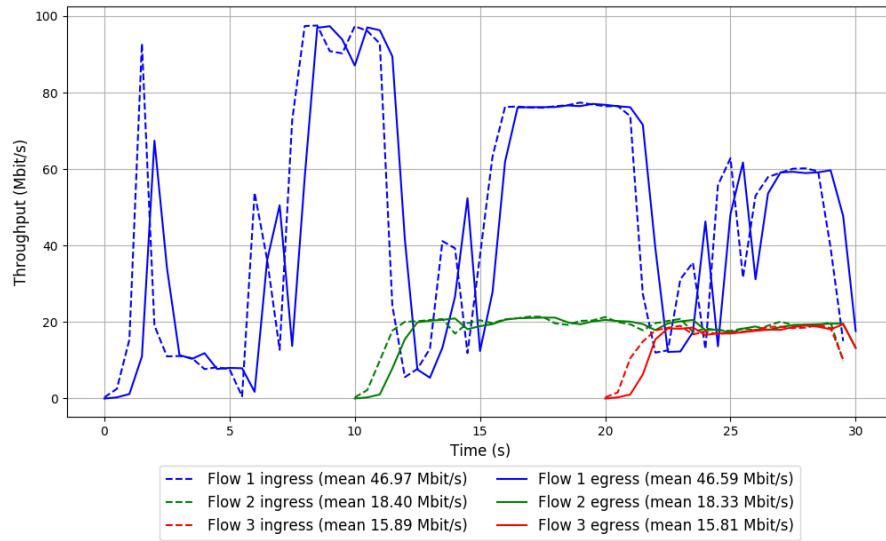


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-01-03 00:17:11
End at: 2019-01-03 00:17:41
Local clock offset: -1.159 ms
Remote clock offset: -8.19 ms

# Below is generated by plot.py at 2019-01-03 02:12:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.92 Mbit/s
95th percentile per-packet one-way delay: 106.806 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 46.59 Mbit/s
95th percentile per-packet one-way delay: 107.330 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 18.33 Mbit/s
95th percentile per-packet one-way delay: 99.189 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 101.738 ms
Loss rate: 0.48%
```

Run 1: Report of QUIC Cubic — Data Link

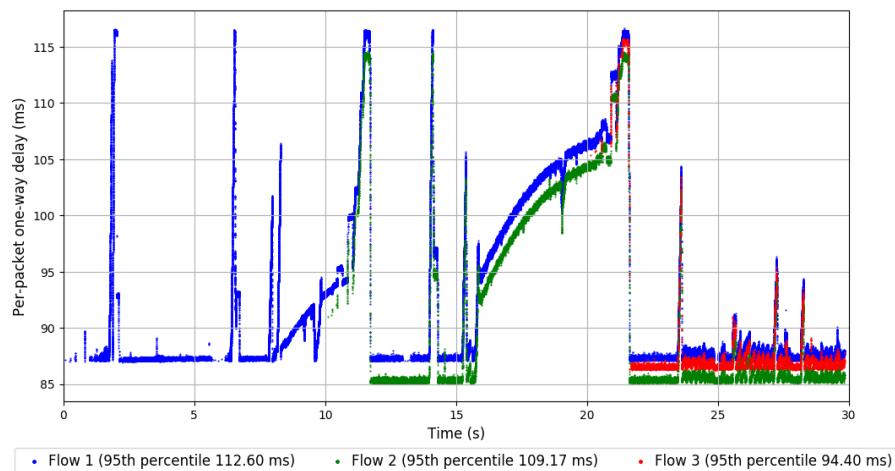
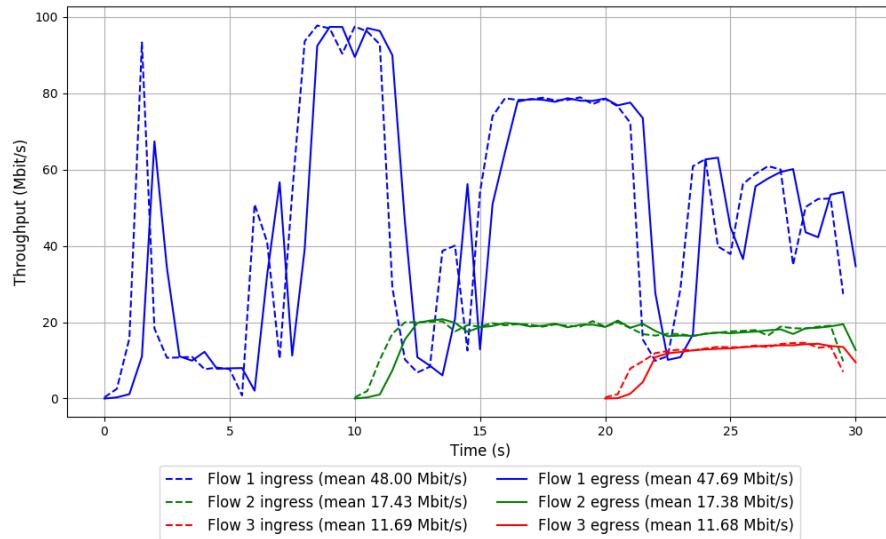


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-01-03 00:41:28
End at: 2019-01-03 00:41:58
Local clock offset: -2.224 ms
Remote clock offset: -5.965 ms

# Below is generated by plot.py at 2019-01-03 02:12:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.02 Mbit/s
95th percentile per-packet one-way delay: 112.354 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 47.69 Mbit/s
95th percentile per-packet one-way delay: 112.598 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 17.38 Mbit/s
95th percentile per-packet one-way delay: 109.171 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 94.401 ms
Loss rate: 0.33%
```

Run 2: Report of QUIC Cubic — Data Link

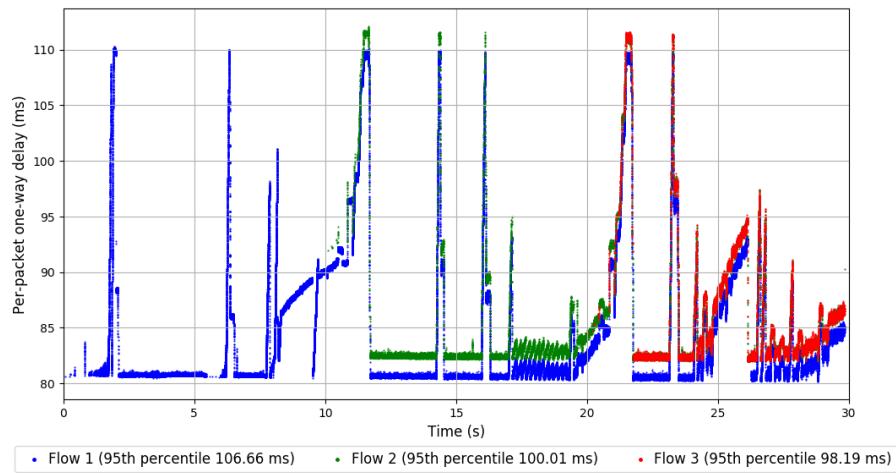
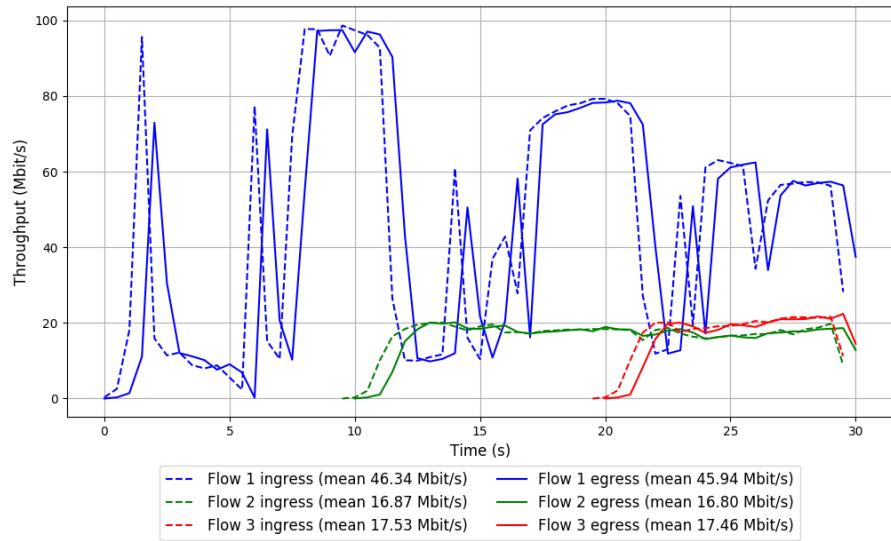


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-01-03 01:05:28
End at: 2019-01-03 01:05:58
Local clock offset: -2.63 ms
Remote clock offset: 5.345 ms

# Below is generated by plot.py at 2019-01-03 02:12:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.80 Mbit/s
95th percentile per-packet one-way delay: 104.683 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 45.94 Mbit/s
95th percentile per-packet one-way delay: 106.663 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 16.80 Mbit/s
95th percentile per-packet one-way delay: 100.009 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 17.46 Mbit/s
95th percentile per-packet one-way delay: 98.194 ms
Loss rate: 0.38%
```

Run 3: Report of QUIC Cubic — Data Link

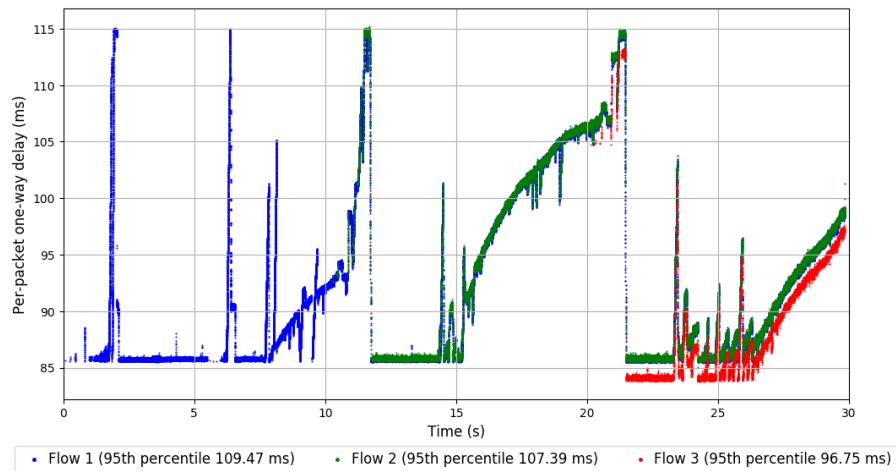
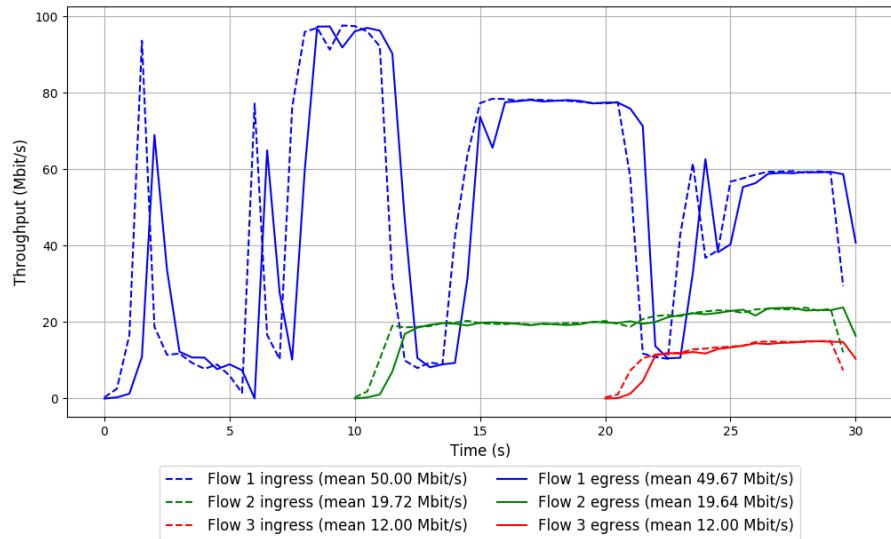


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-01-03 01:29:29
End at: 2019-01-03 01:29:59
Local clock offset: -1.584 ms
Remote clock offset: 22.129 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.62 Mbit/s
95th percentile per-packet one-way delay: 108.241 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 49.67 Mbit/s
95th percentile per-packet one-way delay: 109.469 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 19.64 Mbit/s
95th percentile per-packet one-way delay: 107.388 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 96.747 ms
Loss rate: 0.06%
```

Run 4: Report of QUIC Cubic — Data Link

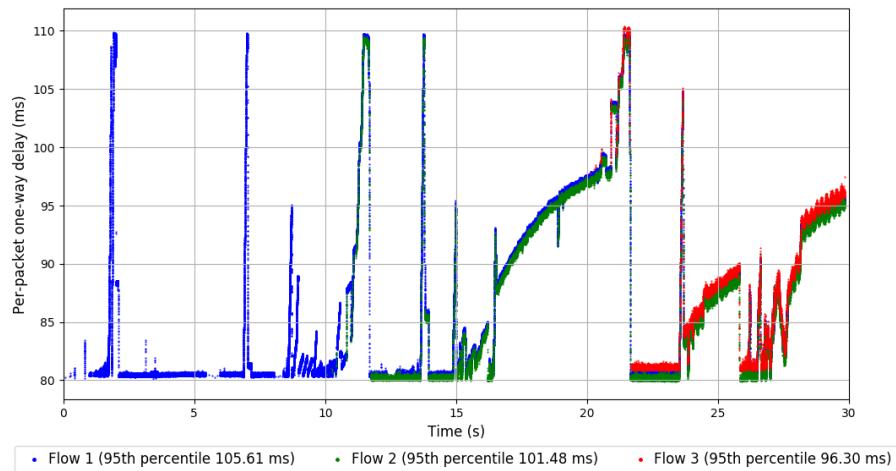
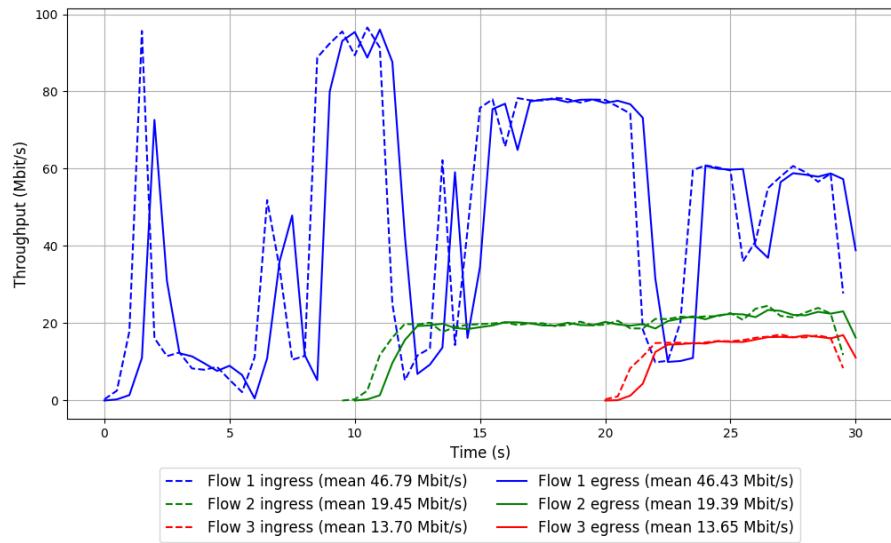


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-01-03 01:53:32
End at: 2019-01-03 01:54:02
Local clock offset: -0.915 ms
Remote clock offset: 25.208 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.76 Mbit/s
95th percentile per-packet one-way delay: 103.832 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 46.43 Mbit/s
95th percentile per-packet one-way delay: 105.613 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 19.39 Mbit/s
95th percentile per-packet one-way delay: 101.479 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 96.304 ms
Loss rate: 0.37%
```

Run 5: Report of QUIC Cubic — Data Link

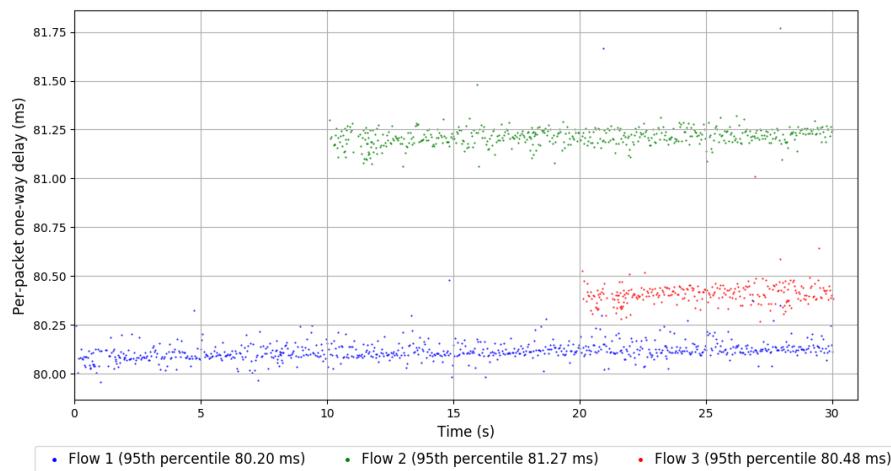
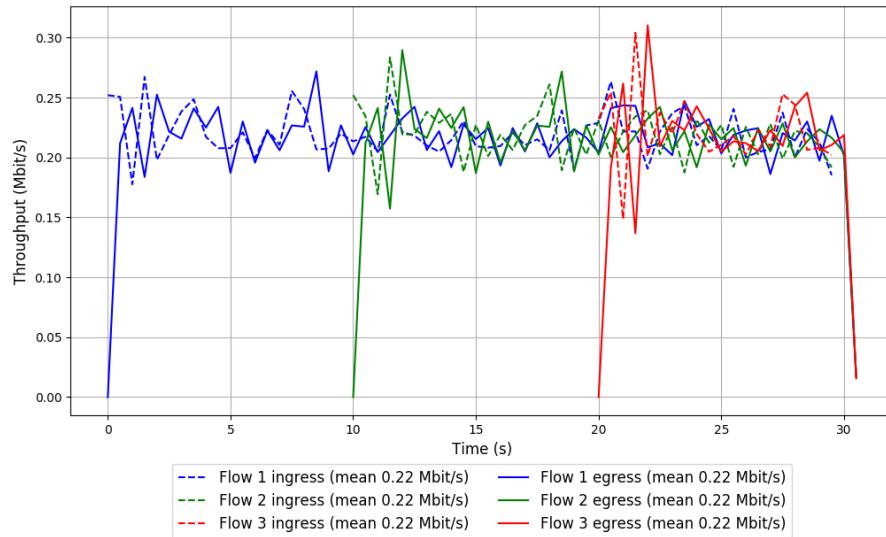


Run 1: Statistics of SCReAM

```
Start at: 2019-01-03 00:18:28
End at: 2019-01-03 00:18:58
Local clock offset: -0.346 ms
Remote clock offset: -8.259 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 81.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.199 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.274 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.477 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

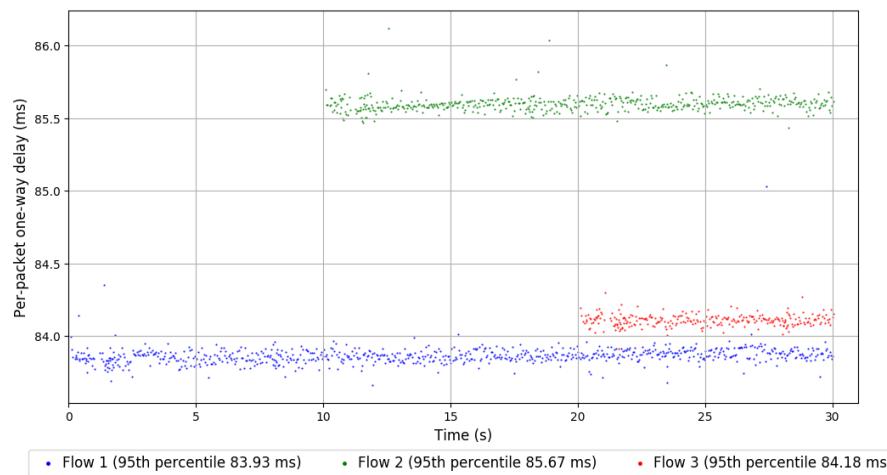
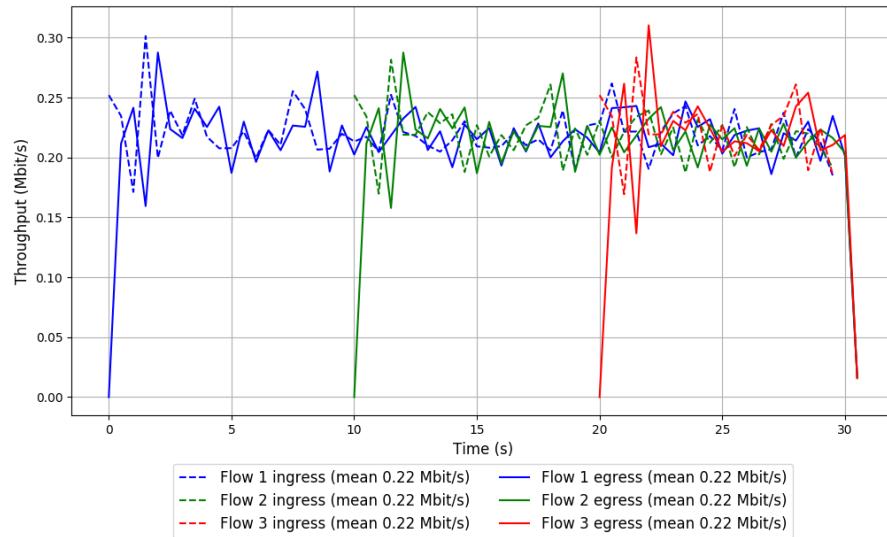


Run 2: Statistics of SCReAM

```
Start at: 2019-01-03 00:42:44
End at: 2019-01-03 00:43:14
Local clock offset: -1.474 ms
Remote clock offset: -6.091 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 85.639 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.929 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.666 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.181 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

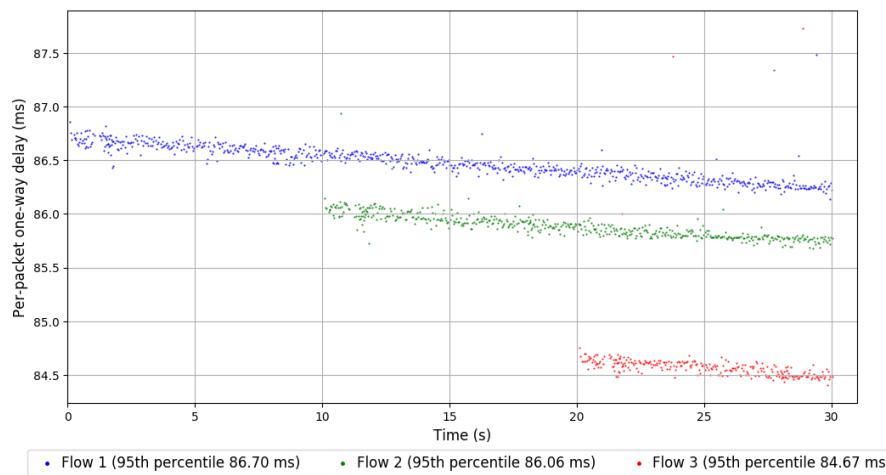
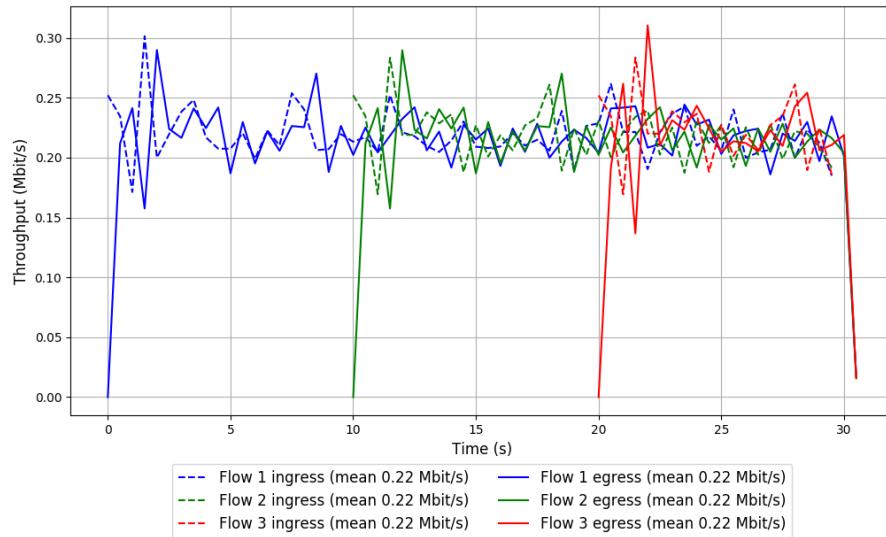


Run 3: Statistics of SCReAM

```
Start at: 2019-01-03 01:06:44
End at: 2019-01-03 01:07:14
Local clock offset: -2.591 ms
Remote clock offset: 10.288 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.701 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.064 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.672 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

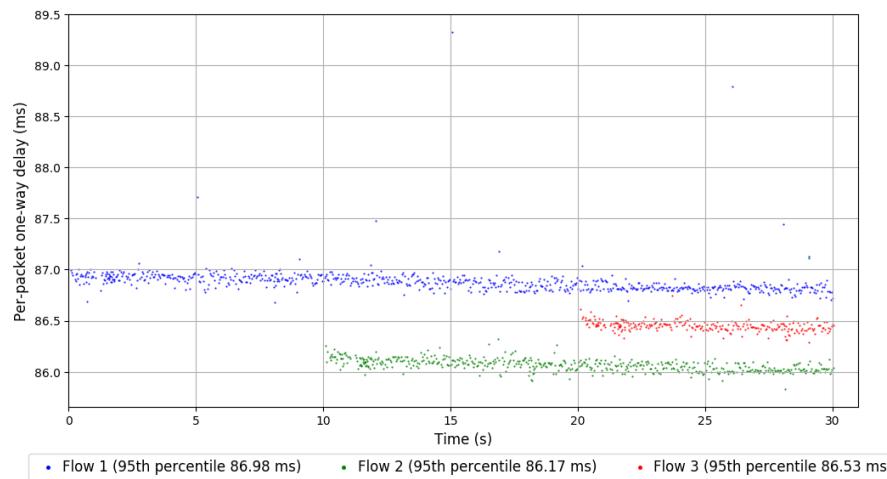
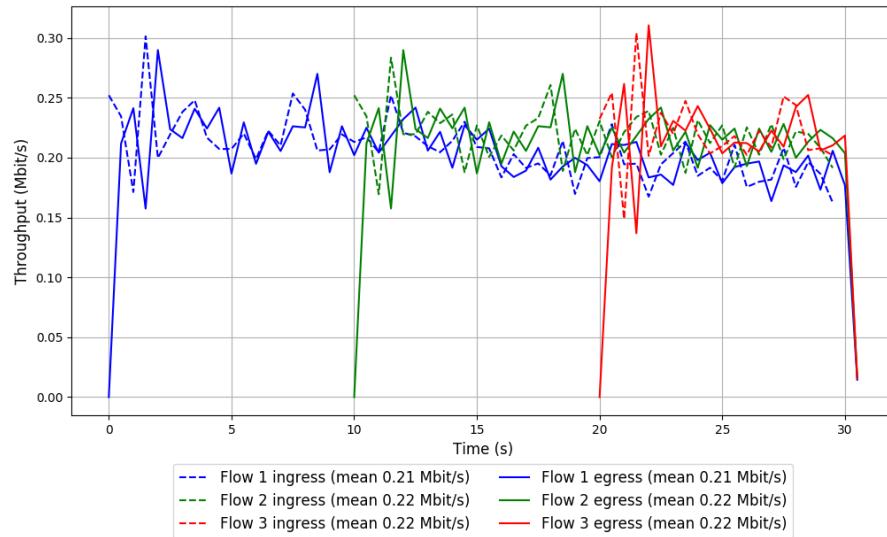


Run 4: Statistics of SCReAM

```
Start at: 2019-01-03 01:30:46
End at: 2019-01-03 01:31:16
Local clock offset: -2.208 ms
Remote clock offset: 22.182 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.956 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.979 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.165 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.525 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

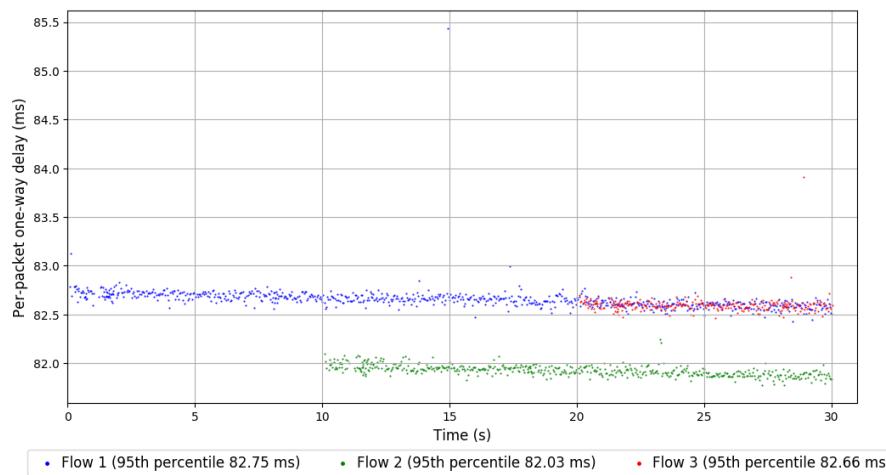
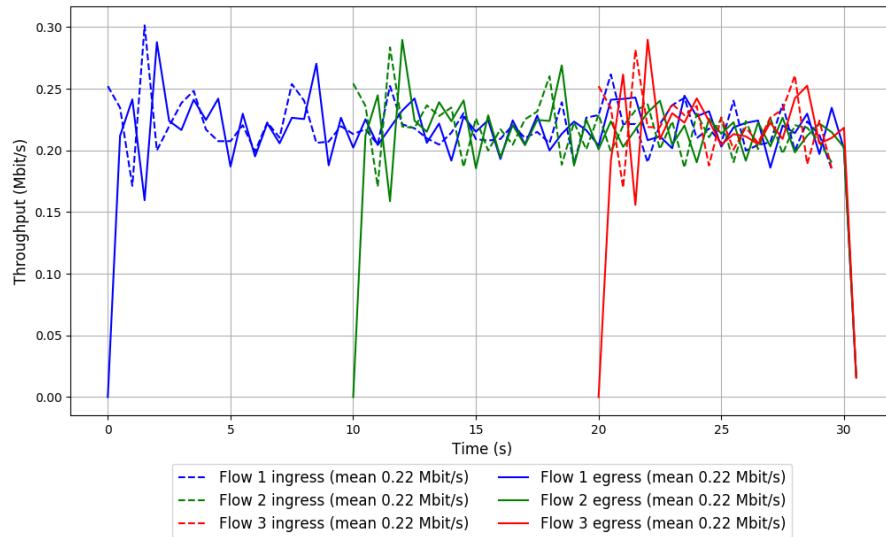


Run 5: Statistics of SCReAM

```
Start at: 2019-01-03 01:54:49
End at: 2019-01-03 01:55:19
Local clock offset: -1.62 ms
Remote clock offset: 25.62 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 82.733 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.750 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.025 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.657 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

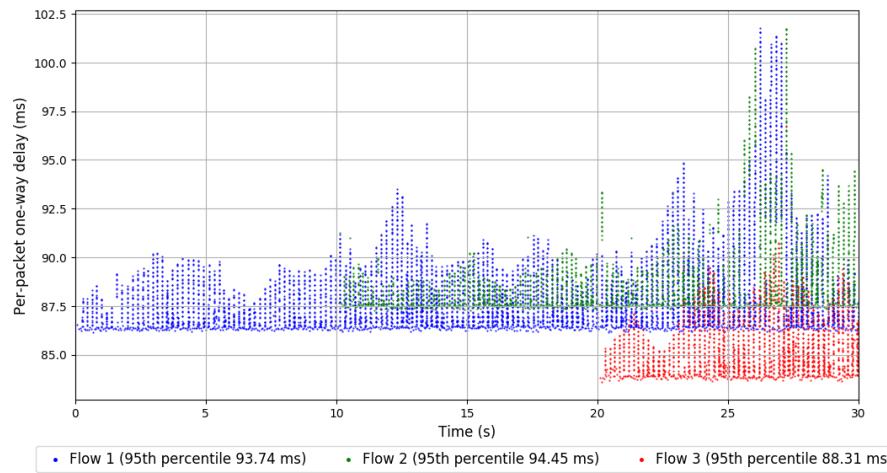
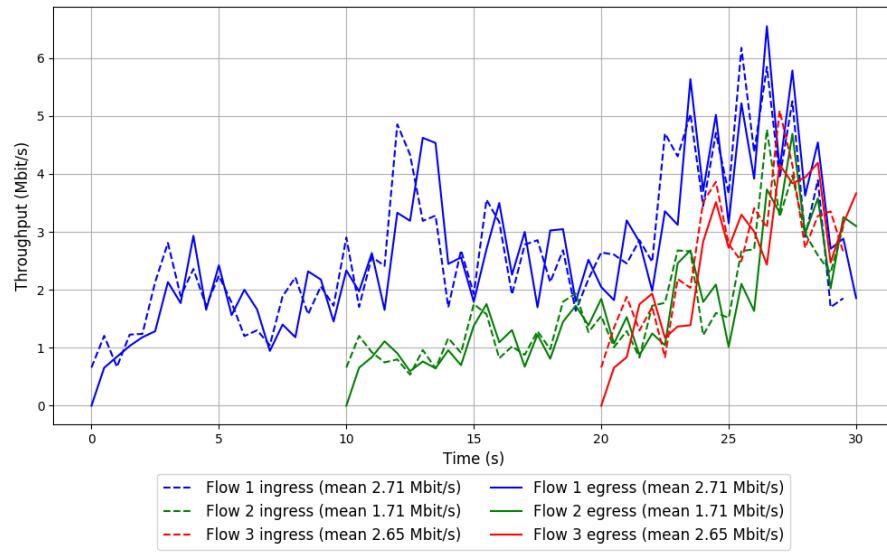


Run 1: Statistics of Sprout

```
Start at: 2019-01-03 00:19:40
End at: 2019-01-03 00:20:10
Local clock offset: -0.304 ms
Remote clock offset: -4.557 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 93.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 93.737 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 94.455 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 88.306 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

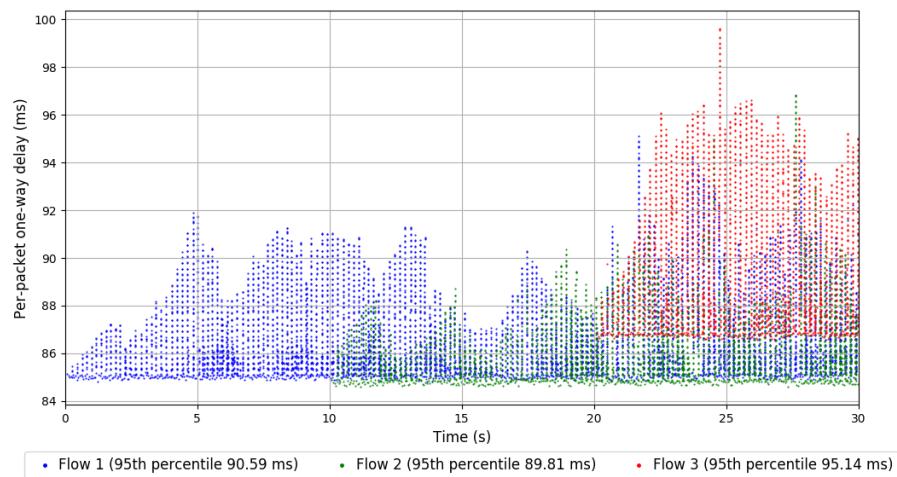
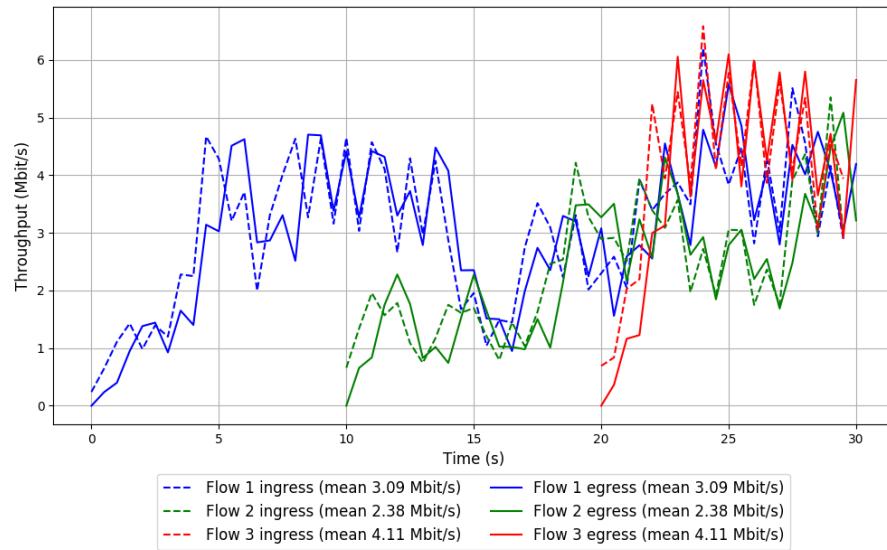


Run 2: Statistics of Sprout

```
Start at: 2019-01-03 00:43:56
End at: 2019-01-03 00:44:26
Local clock offset: -2.321 ms
Remote clock offset: -6.148 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.03 Mbit/s
95th percentile per-packet one-way delay: 93.214 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 90.593 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 89.812 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 95.139 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

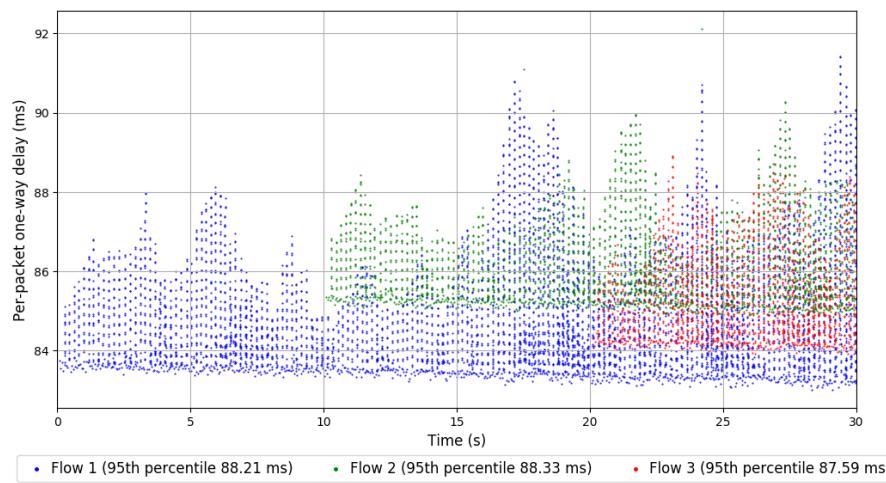
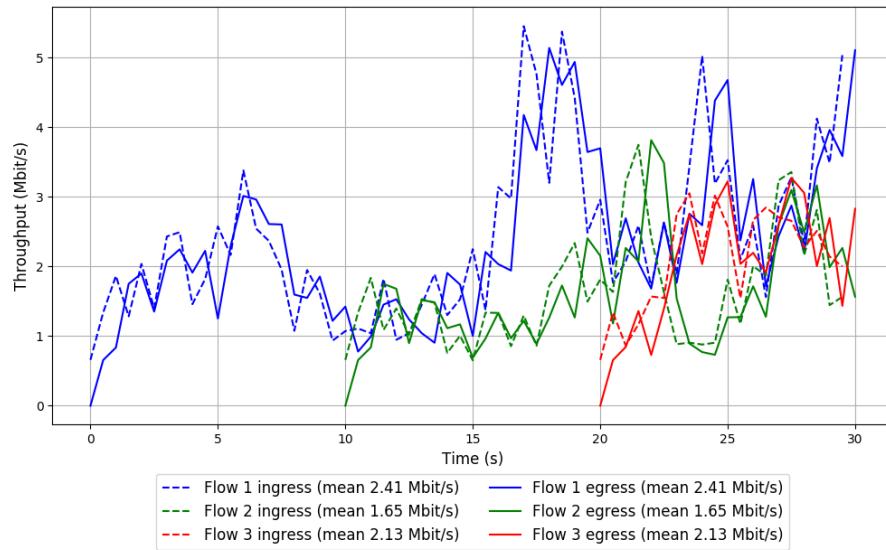


Run 3: Statistics of Sprout

```
Start at: 2019-01-03 01:07:56
End at: 2019-01-03 01:08:26
Local clock offset: -1.915 ms
Remote clock offset: 11.326 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 88.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 88.208 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 88.327 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 87.592 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

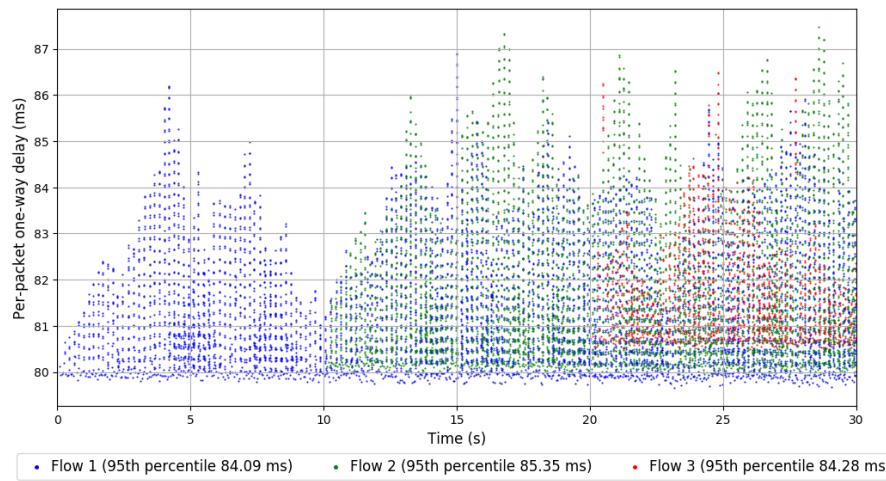
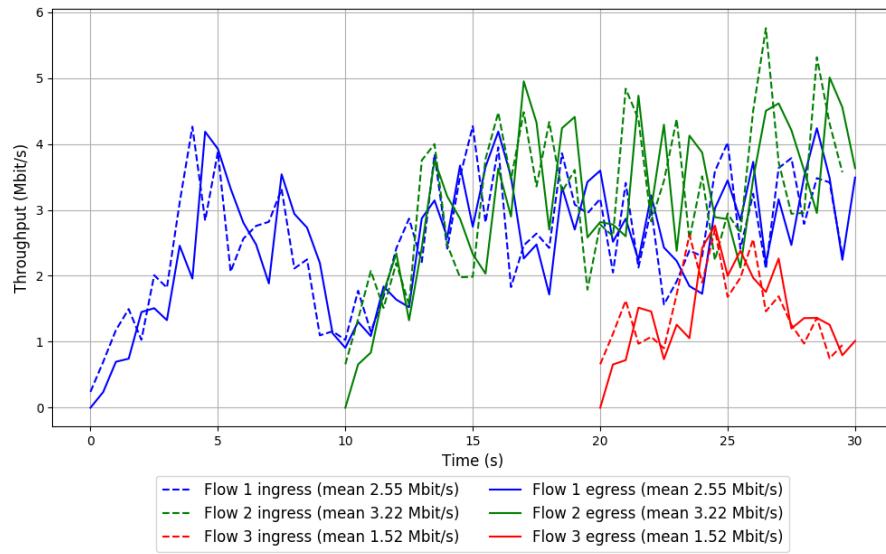


Run 4: Statistics of Sprout

```
Start at: 2019-01-03 01:31:58
End at: 2019-01-03 01:32:28
Local clock offset: -1.381 ms
Remote clock offset: 19.062 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.19 Mbit/s
95th percentile per-packet one-way delay: 84.702 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 84.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 85.347 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 84.275 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

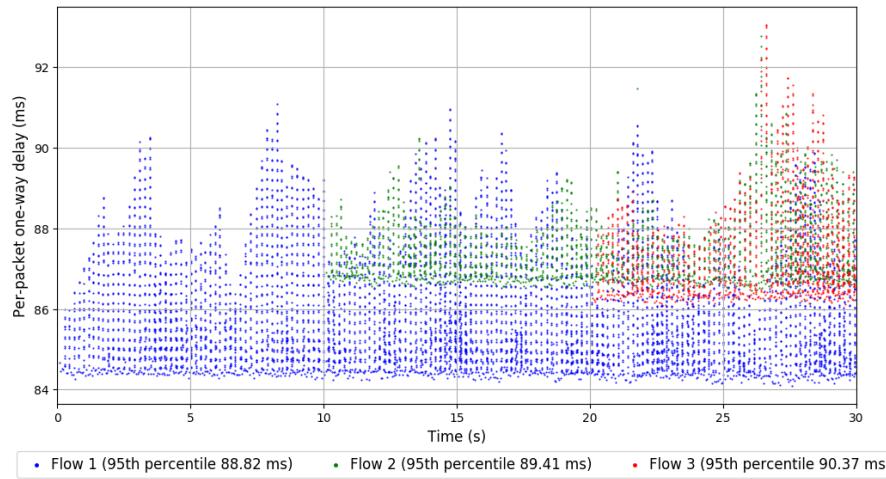
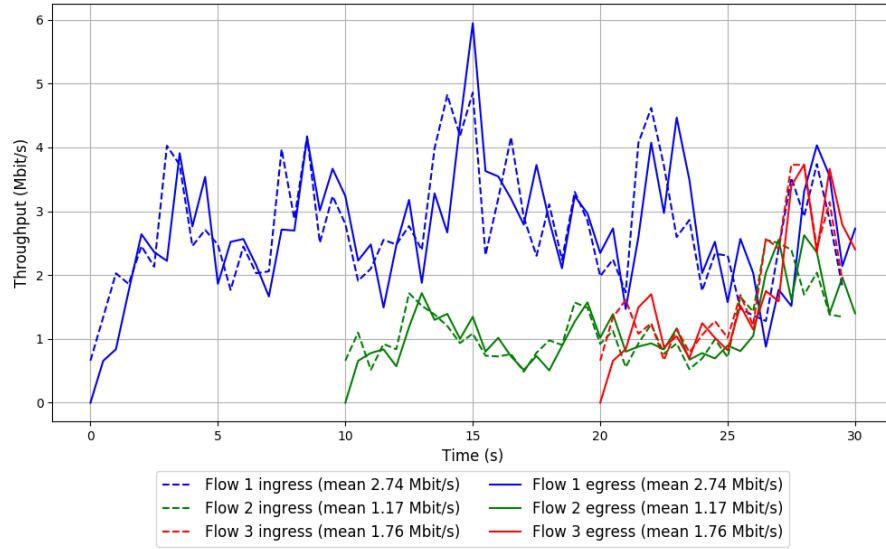


Run 5: Statistics of Sprout

```
Start at: 2019-01-03 01:56:01
End at: 2019-01-03 01:56:31
Local clock offset: -1.662 ms
Remote clock offset: 29.364 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 89.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.74 Mbit/s
95th percentile per-packet one-way delay: 88.821 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 89.411 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 90.373 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

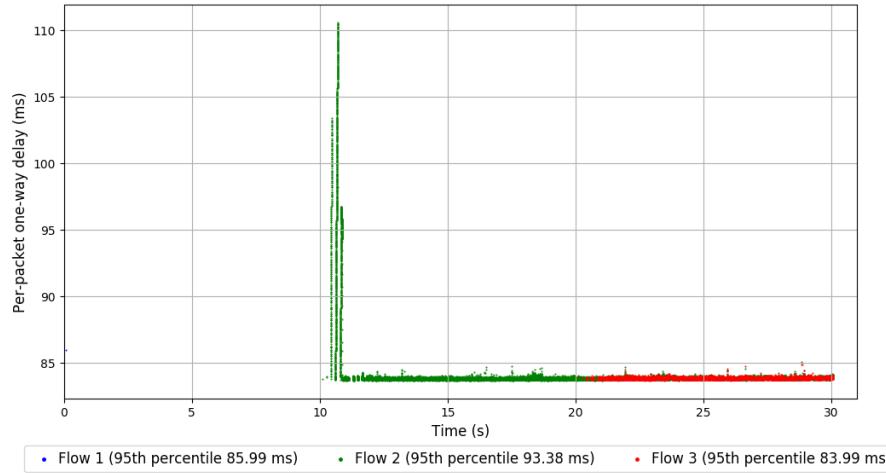
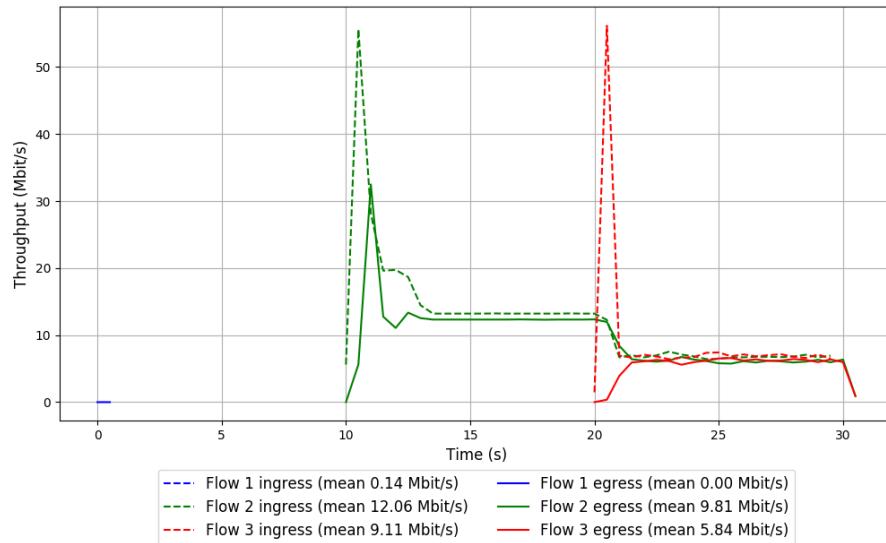


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-01-03 00:04:22
End at: 2019-01-03 00:04:52
Local clock offset: -0.85 ms
Remote clock offset: -3.714 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: 89.707 ms
Loss rate: 23.35%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 85.990 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 93.384 ms
Loss rate: 18.64%
-- Flow 3:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 83.994 ms
Loss rate: 35.84%
```

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

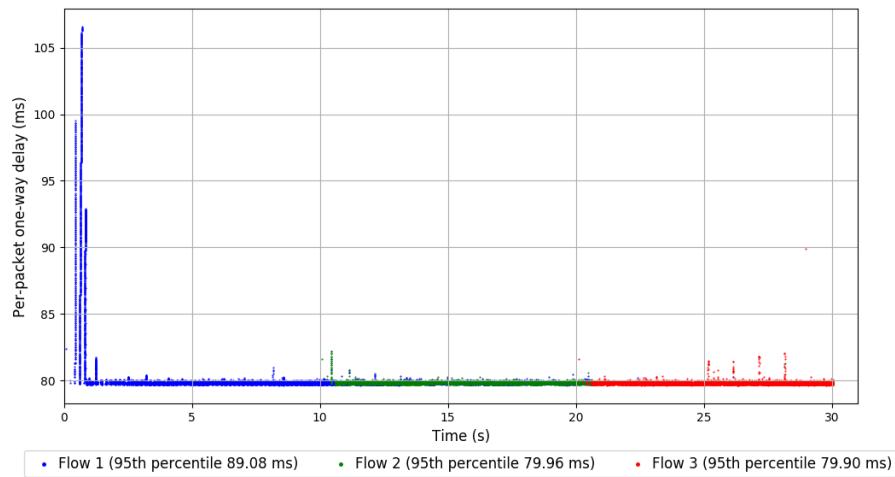
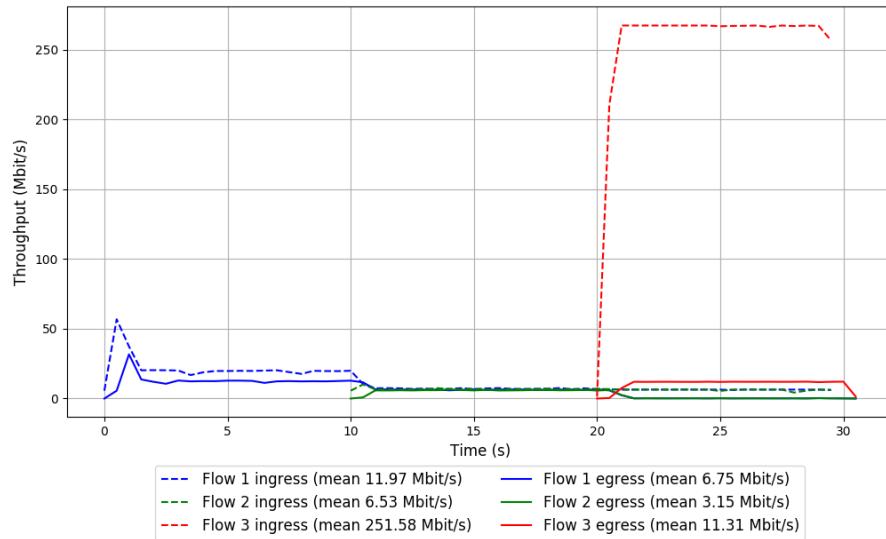


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-01-03 00:28:28
End at: 2019-01-03 00:28:58
Local clock offset: -0.719 ms
Remote clock offset: -9.155 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 80.350 ms
Loss rate: 87.40%
-- Flow 1:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 89.084 ms
Loss rate: 43.74%
-- Flow 2:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 79.959 ms
Loss rate: 51.80%
-- Flow 3:
Average throughput: 11.31 Mbit/s
95th percentile per-packet one-way delay: 79.904 ms
Loss rate: 95.51%
```

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

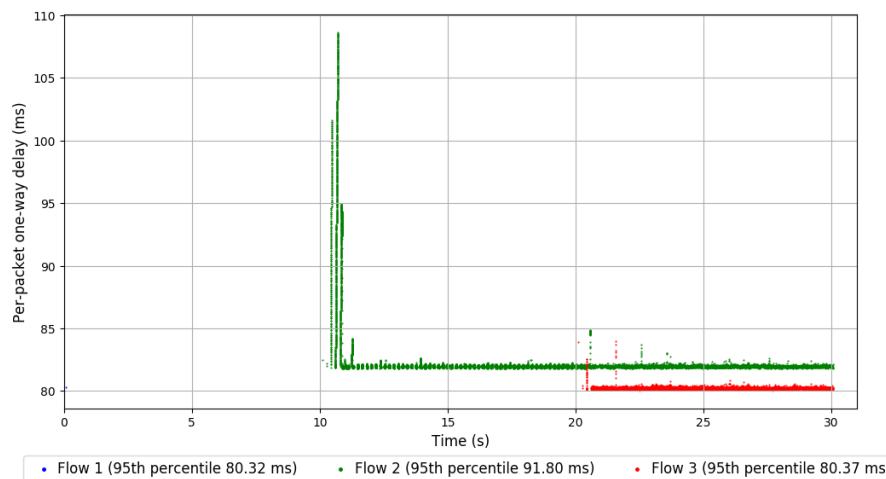
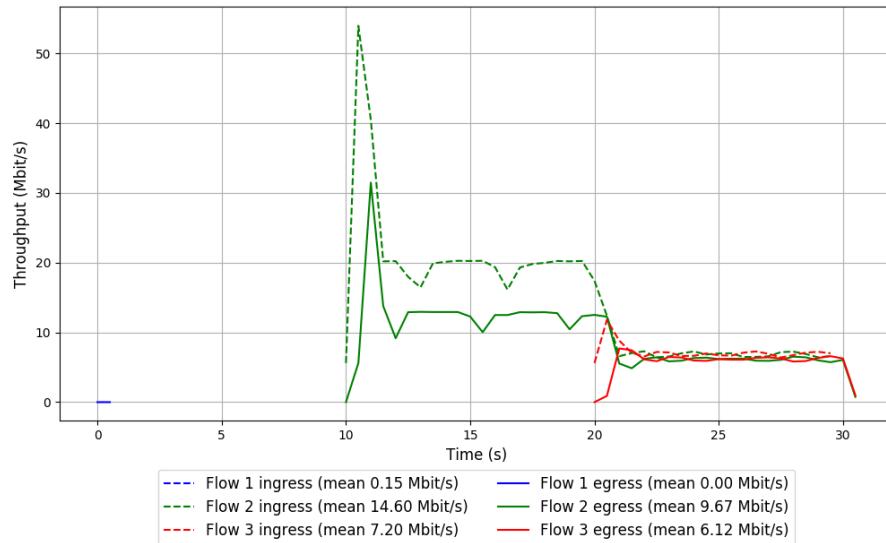


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-01-03 00:52:44
End at: 2019-01-03 00:53:14
Local clock offset: -1.569 ms
Remote clock offset: -10.49 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: 87.874 ms
Loss rate: 30.07%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 80.321 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 91.803 ms
Loss rate: 33.78%
-- Flow 3:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 80.370 ms
Loss rate: 14.97%
```

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

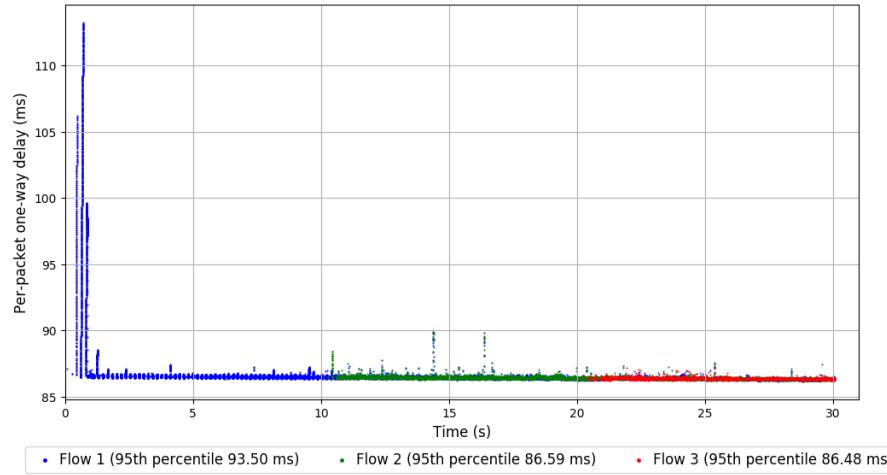
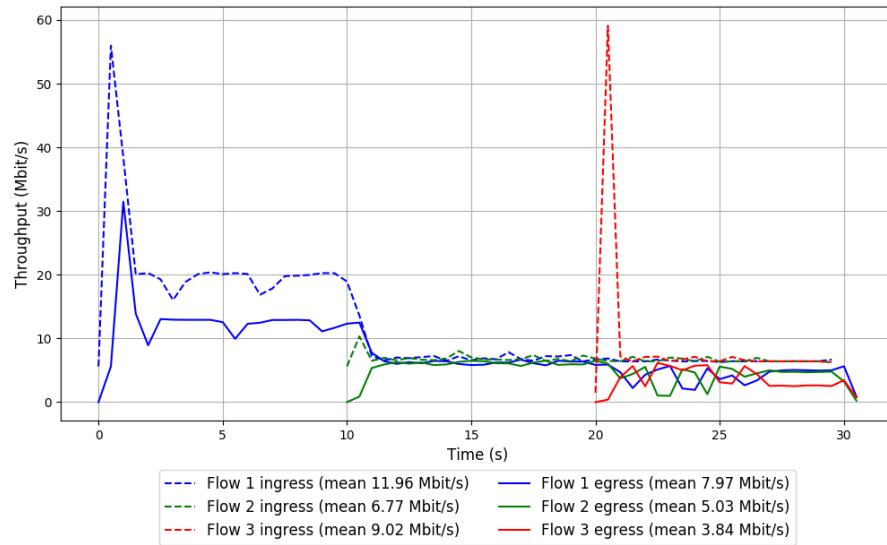


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-01-03 01:16:44
End at: 2019-01-03 01:17:14
Local clock offset: -2.698 ms
Remote clock offset: 17.276 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 87.213 ms
Loss rate: 35.36%
-- Flow 1:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 93.499 ms
Loss rate: 33.42%
-- Flow 2:
Average throughput: 5.03 Mbit/s
95th percentile per-packet one-way delay: 86.589 ms
Loss rate: 25.78%
-- Flow 3:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 86.477 ms
Loss rate: 57.47%
```

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

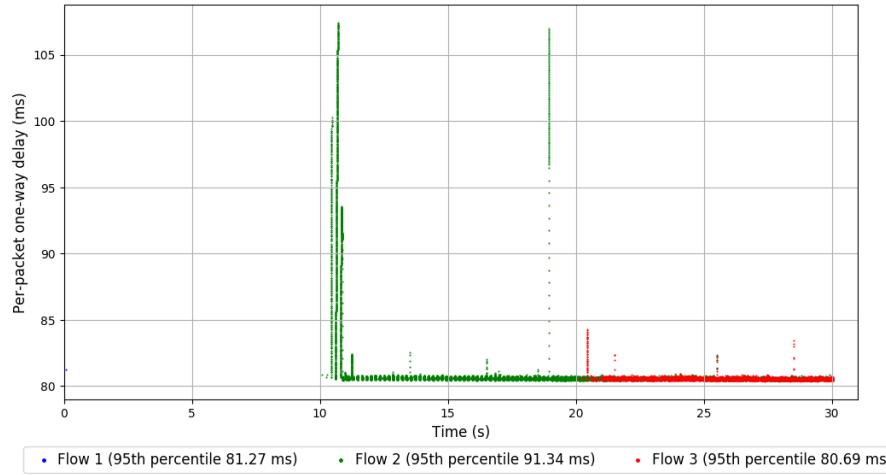
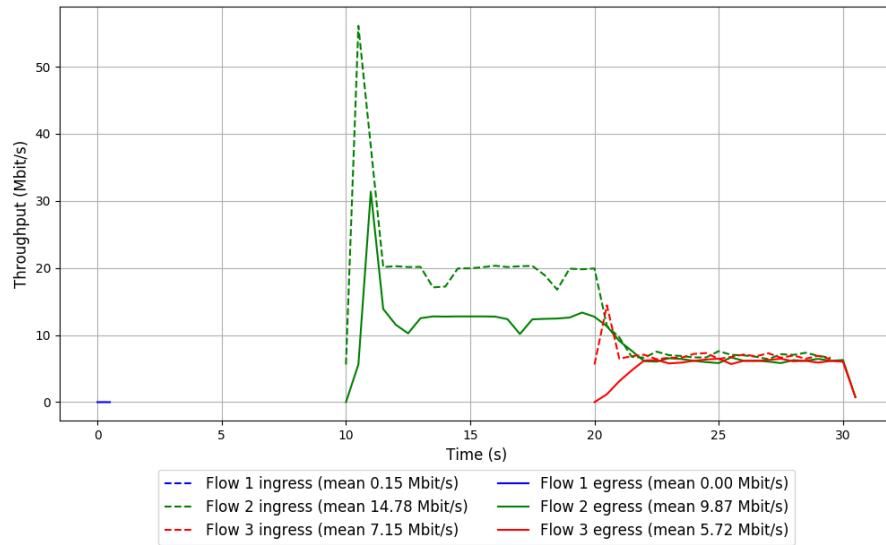


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-01-03 01:40:48
End at: 2019-01-03 01:41:18
Local clock offset: -1.845 ms
Remote clock offset: 21.374 ms

# Below is generated by plot.py at 2019-01-03 02:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: 87.901 ms
Loss rate: 30.62%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.270 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 9.87 Mbit/s
95th percentile per-packet one-way delay: 91.341 ms
Loss rate: 33.19%
-- Flow 3:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 80.687 ms
Loss rate: 19.94%
```

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

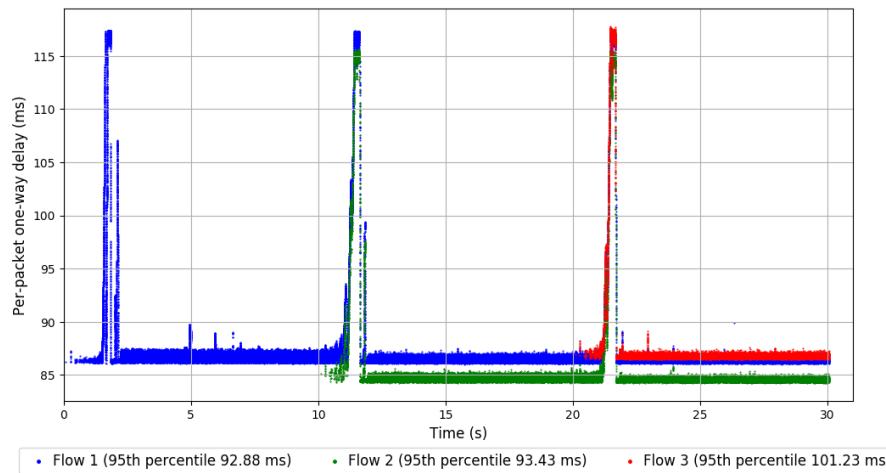
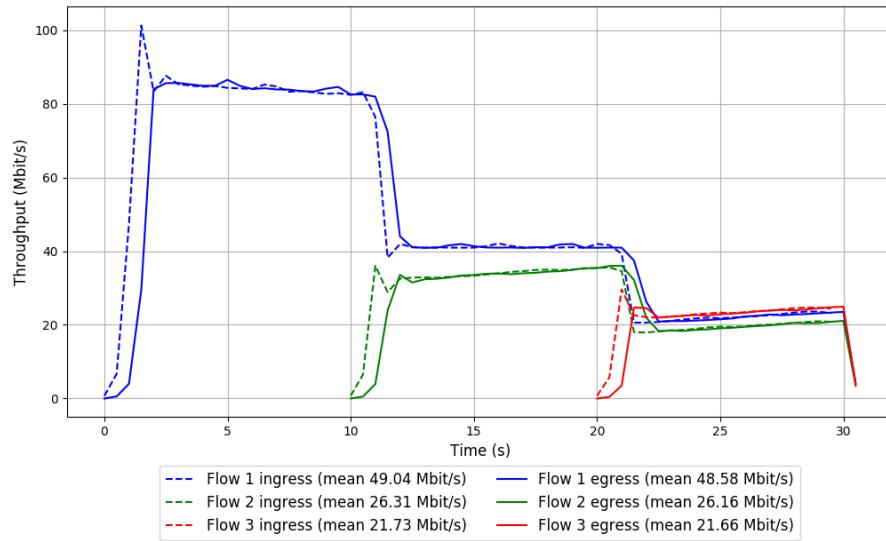


Run 1: Statistics of TCP Vegas

```
Start at: 2019-01-03 00:24:41
End at: 2019-01-03 00:25:11
Local clock offset: -0.958 ms
Remote clock offset: -4.959 ms

# Below is generated by plot.py at 2019-01-03 02:12:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.21 Mbit/s
95th percentile per-packet one-way delay: 93.655 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 92.879 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 26.16 Mbit/s
95th percentile per-packet one-way delay: 93.426 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 21.66 Mbit/s
95th percentile per-packet one-way delay: 101.230 ms
Loss rate: 0.37%
```

Run 1: Report of TCP Vegas — Data Link

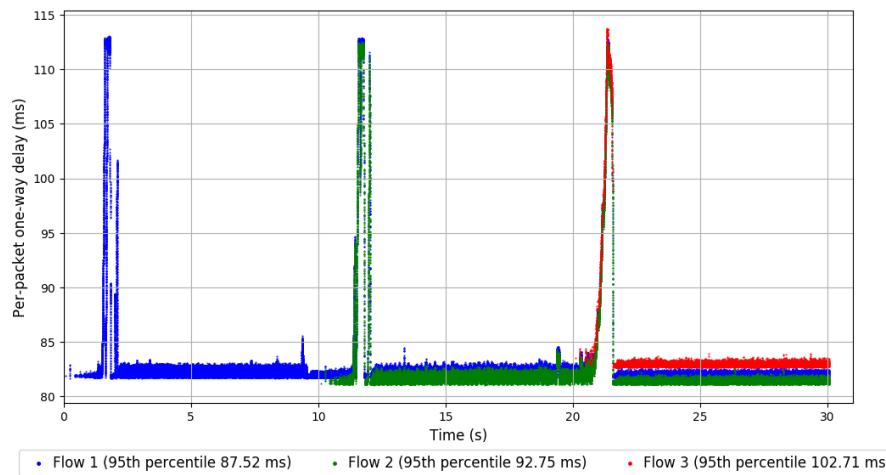
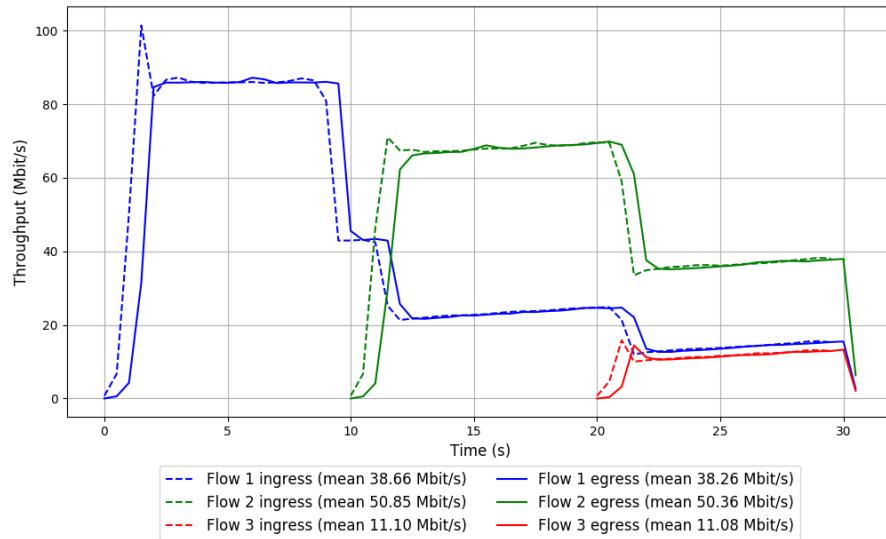


Run 2: Statistics of TCP Vegas

```
Start at: 2019-01-03 00:48:57
End at: 2019-01-03 00:49:27
Local clock offset: -2.277 ms
Remote clock offset: -10.109 ms

# Below is generated by plot.py at 2019-01-03 02:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.50 Mbit/s
95th percentile per-packet one-way delay: 89.967 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 87.516 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 92.747 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 11.08 Mbit/s
95th percentile per-packet one-way delay: 102.711 ms
Loss rate: 0.12%
```

Run 2: Report of TCP Vegas — Data Link

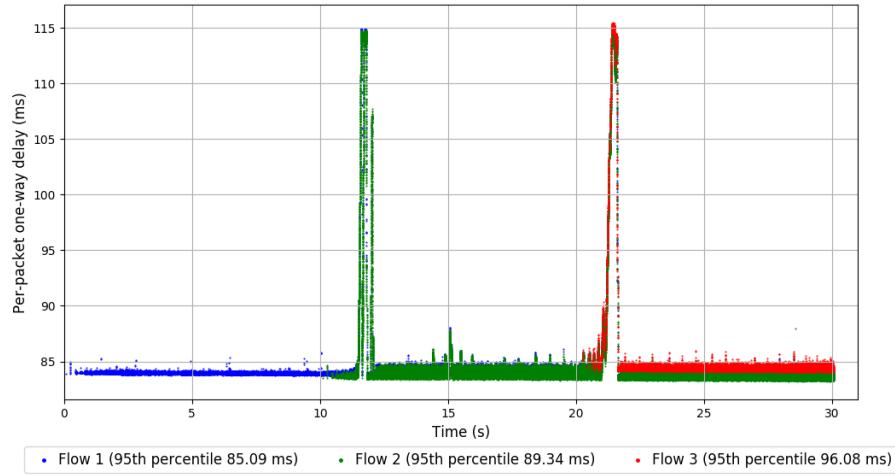
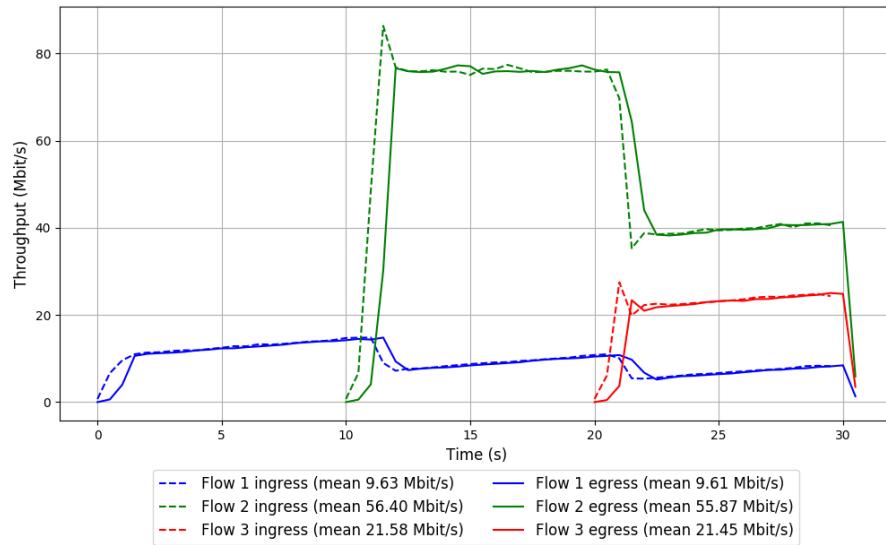


Run 3: Statistics of TCP Vegas

```
Start at: 2019-01-03 01:12:58
End at: 2019-01-03 01:13:28
Local clock offset: -1.935 ms
Remote clock offset: 14.919 ms

# Below is generated by plot.py at 2019-01-03 02:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.97 Mbit/s
95th percentile per-packet one-way delay: 88.125 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 9.61 Mbit/s
95th percentile per-packet one-way delay: 85.094 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 55.87 Mbit/s
95th percentile per-packet one-way delay: 89.344 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 21.45 Mbit/s
95th percentile per-packet one-way delay: 96.077 ms
Loss rate: 0.61%
```

Run 3: Report of TCP Vegas — Data Link

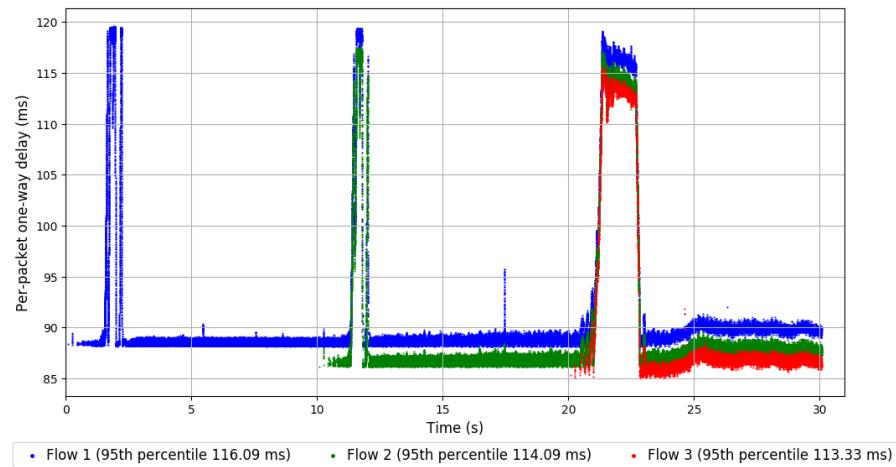
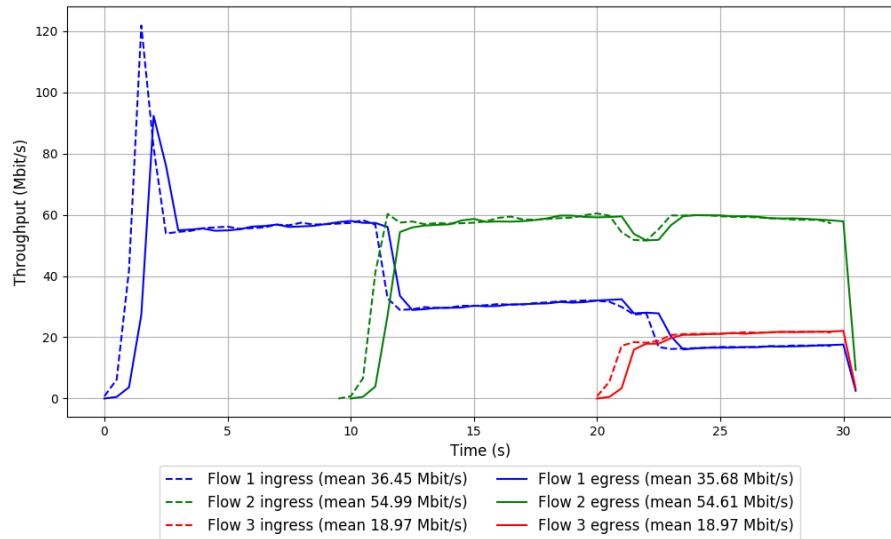


Run 4: Statistics of TCP Vegas

```
Start at: 2019-01-03 01:37:00
End at: 2019-01-03 01:37:30
Local clock offset: -1.945 ms
Remote clock offset: 24.359 ms

# Below is generated by plot.py at 2019-01-03 02:13:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: 114.346 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 35.68 Mbit/s
95th percentile per-packet one-way delay: 116.093 ms
Loss rate: 2.13%
-- Flow 2:
Average throughput: 54.61 Mbit/s
95th percentile per-packet one-way delay: 114.091 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 18.97 Mbit/s
95th percentile per-packet one-way delay: 113.325 ms
Loss rate: 0.01%
```

Run 4: Report of TCP Vegas — Data Link

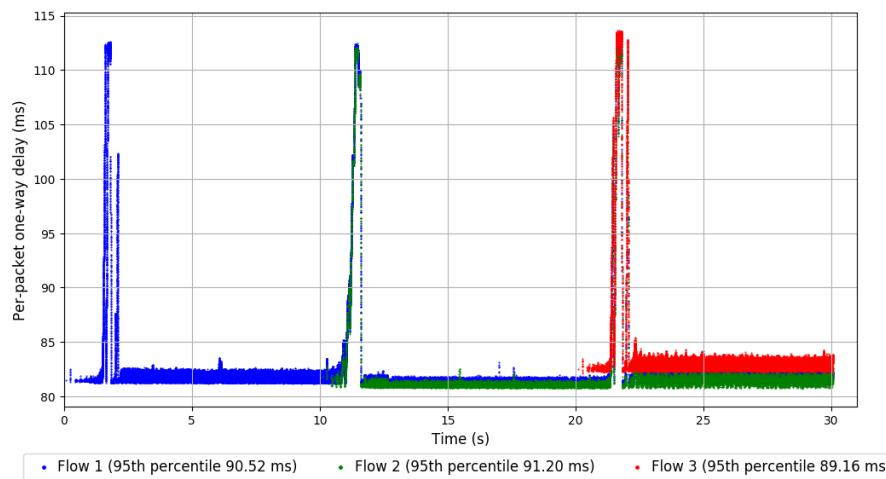
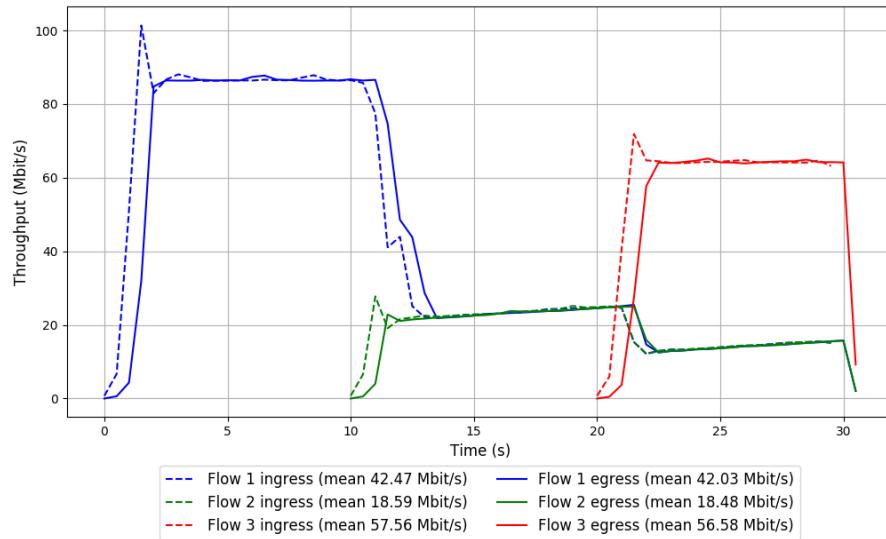


Run 5: Statistics of TCP Vegas

```
Start at: 2019-01-03 02:01:01
End at: 2019-01-03 02:01:31
Local clock offset: -1.804 ms
Remote clock offset: 27.095 ms

# Below is generated by plot.py at 2019-01-03 02:13:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.14 Mbit/s
95th percentile per-packet one-way delay: 90.395 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 90.524 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 18.48 Mbit/s
95th percentile per-packet one-way delay: 91.200 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 89.157 ms
Loss rate: 1.69%
```

Run 5: Report of TCP Vegas — Data Link

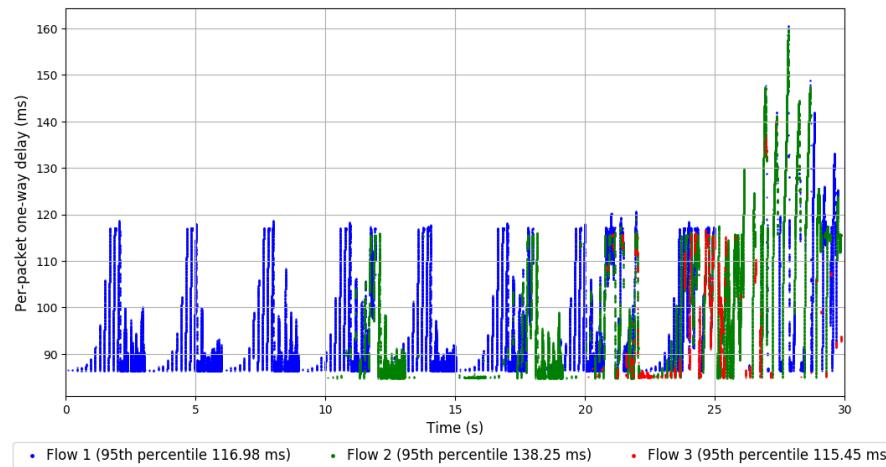
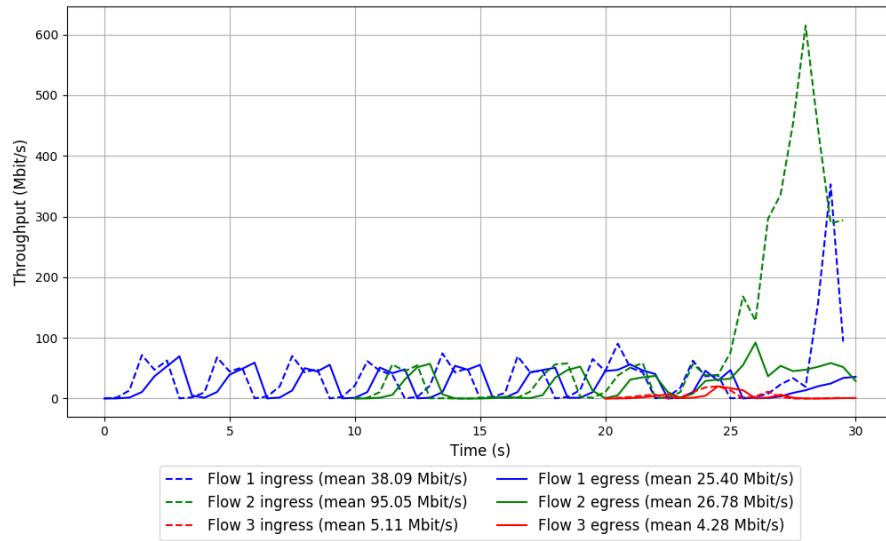


Run 1: Statistics of Verus

```
Start at: 2019-01-03 00:22:06
End at: 2019-01-03 00:22:36
Local clock offset: -0.982 ms
Remote clock offset: -4.715 ms

# Below is generated by plot.py at 2019-01-03 02:13:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.46 Mbit/s
95th percentile per-packet one-way delay: 127.714 ms
Loss rate: 56.63%
-- Flow 1:
Average throughput: 25.40 Mbit/s
95th percentile per-packet one-way delay: 116.983 ms
Loss rate: 33.23%
-- Flow 2:
Average throughput: 26.78 Mbit/s
95th percentile per-packet one-way delay: 138.245 ms
Loss rate: 71.78%
-- Flow 3:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 115.449 ms
Loss rate: 16.24%
```

Run 1: Report of Verus — Data Link

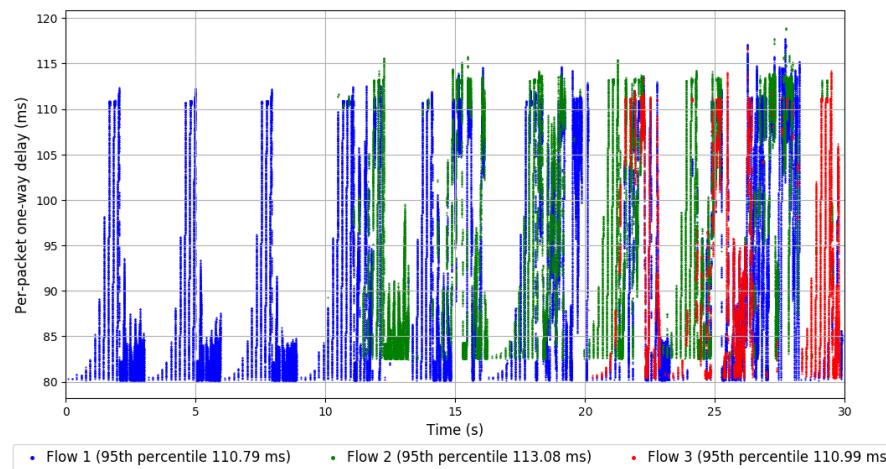
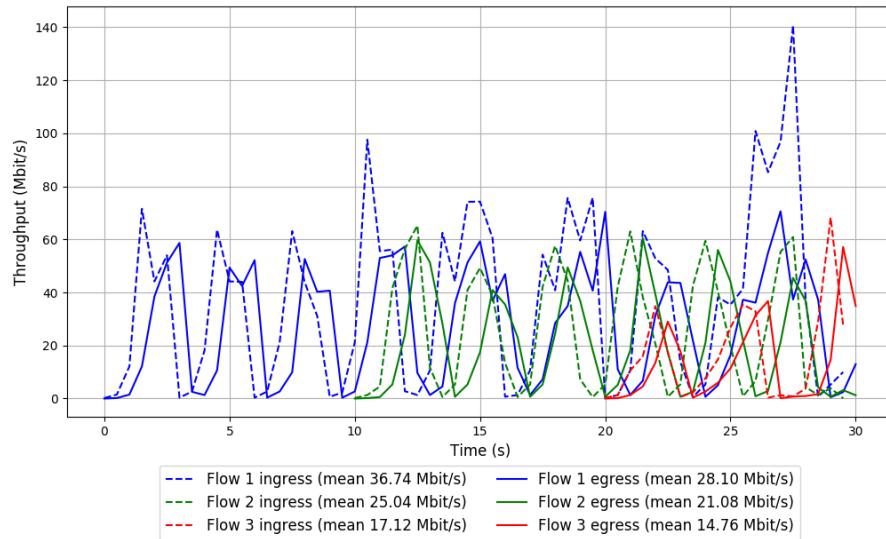


Run 2: Statistics of Verus

```
Start at: 2019-01-03 00:46:24
End at: 2019-01-03 00:46:54
Local clock offset: -1.563 ms
Remote clock offset: -9.96 ms

# Below is generated by plot.py at 2019-01-03 02:13:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 111.825 ms
Loss rate: 20.44%
-- Flow 1:
Average throughput: 28.10 Mbit/s
95th percentile per-packet one-way delay: 110.792 ms
Loss rate: 23.51%
-- Flow 2:
Average throughput: 21.08 Mbit/s
95th percentile per-packet one-way delay: 113.080 ms
Loss rate: 15.85%
-- Flow 3:
Average throughput: 14.76 Mbit/s
95th percentile per-packet one-way delay: 110.993 ms
Loss rate: 13.82%
```

Run 2: Report of Verus — Data Link

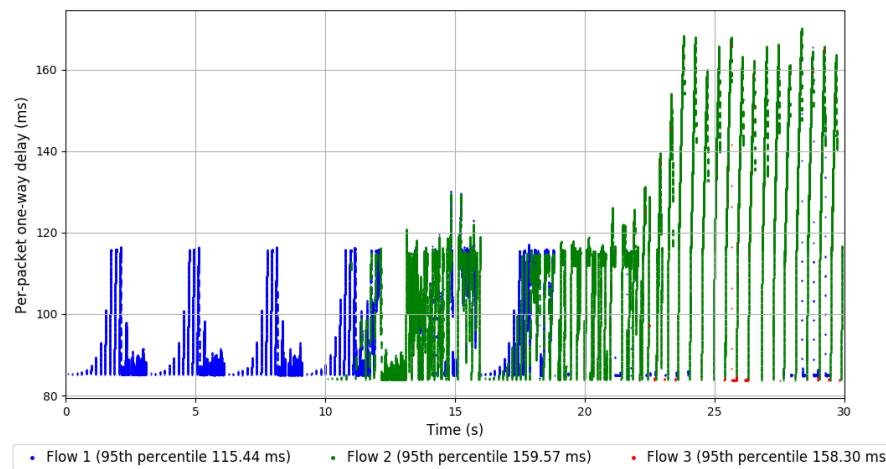
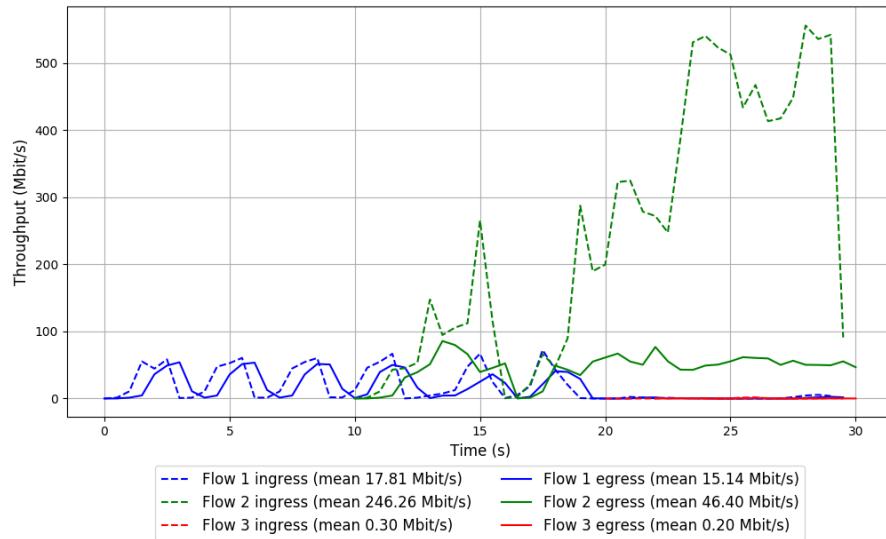


Run 3: Statistics of Verus

```
Start at: 2019-01-03 01:10:23
End at: 2019-01-03 01:10:53
Local clock offset: -2.687 ms
Remote clock offset: 12.863 ms

# Below is generated by plot.py at 2019-01-03 02:13:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.75 Mbit/s
95th percentile per-packet one-way delay: 156.667 ms
Loss rate: 74.73%
-- Flow 1:
Average throughput: 15.14 Mbit/s
95th percentile per-packet one-way delay: 115.444 ms
Loss rate: 15.50%
-- Flow 2:
Average throughput: 46.40 Mbit/s
95th percentile per-packet one-way delay: 159.574 ms
Loss rate: 81.13%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 158.304 ms
Loss rate: 48.18%
```

Run 3: Report of Verus — Data Link

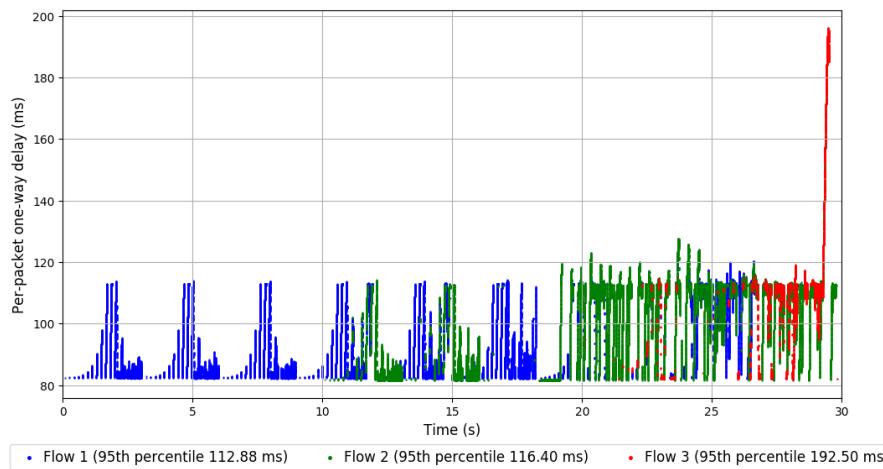
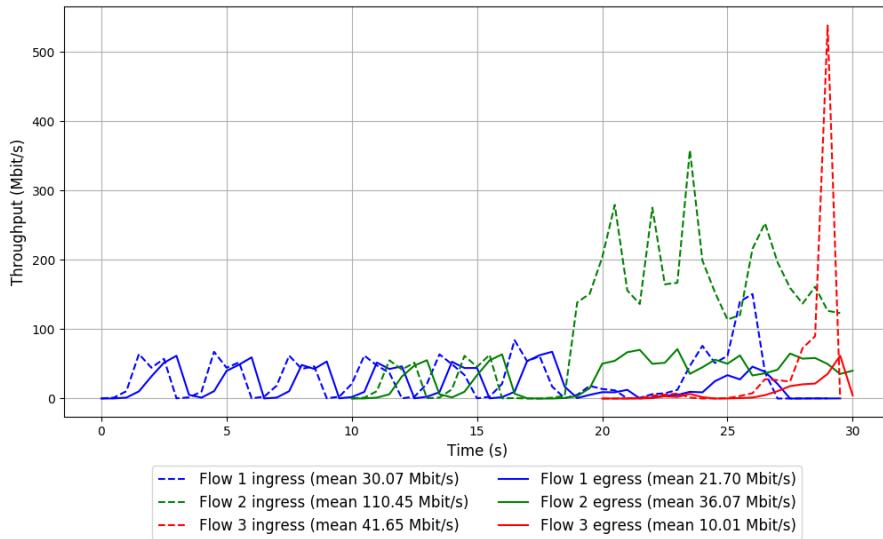


Run 4: Statistics of Verus

```
Start at: 2019-01-03 01:34:25
End at: 2019-01-03 01:34:55
Local clock offset: -1.283 ms
Remote clock offset: 19.719 ms

# Below is generated by plot.py at 2019-01-03 02:13:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.26 Mbit/s
95th percentile per-packet one-way delay: 115.580 ms
Loss rate: 58.41%
-- Flow 1:
Average throughput: 21.70 Mbit/s
95th percentile per-packet one-way delay: 112.884 ms
Loss rate: 28.26%
-- Flow 2:
Average throughput: 36.07 Mbit/s
95th percentile per-packet one-way delay: 116.397 ms
Loss rate: 67.29%
-- Flow 3:
Average throughput: 10.01 Mbit/s
95th percentile per-packet one-way delay: 192.505 ms
Loss rate: 76.00%
```

Run 4: Report of Verus — Data Link

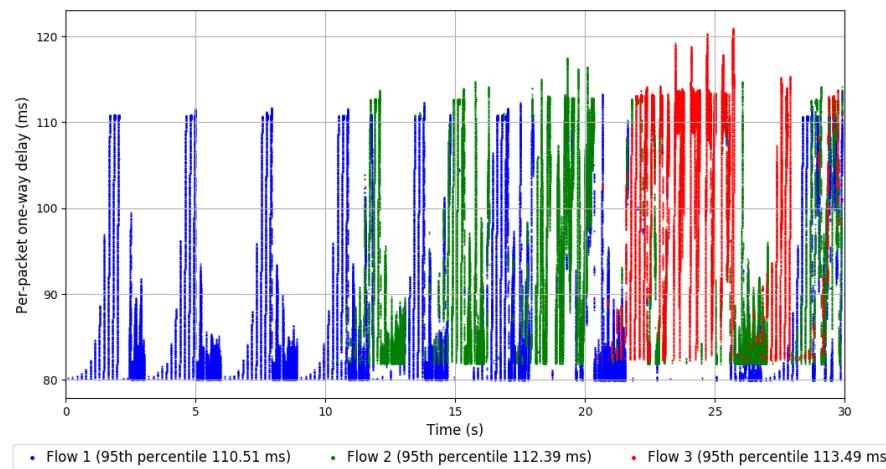
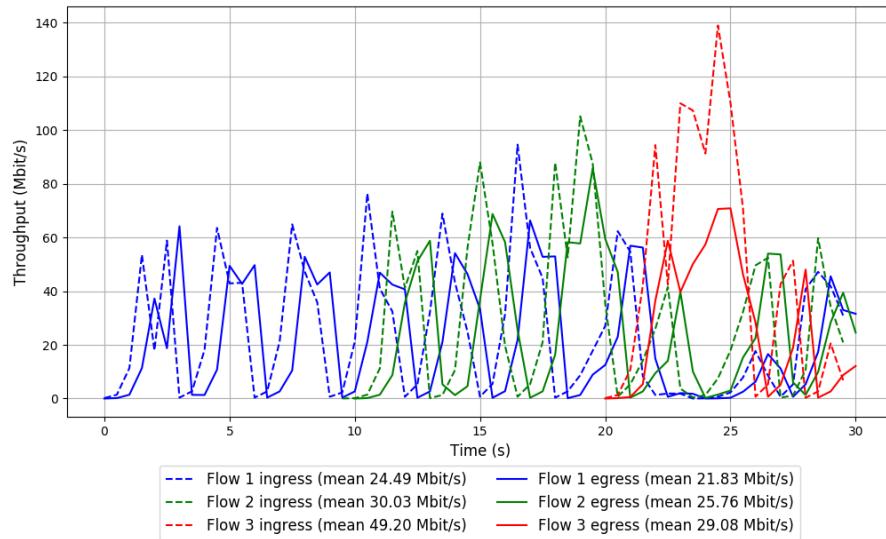


Run 5: Statistics of Verus

```
Start at: 2019-01-03 01:58:27
End at: 2019-01-03 01:58:57
Local clock offset: -0.989 ms
Remote clock offset: 26.404 ms

# Below is generated by plot.py at 2019-01-03 02:13:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 112.419 ms
Loss rate: 19.84%
-- Flow 1:
Average throughput: 21.83 Mbit/s
95th percentile per-packet one-way delay: 110.511 ms
Loss rate: 10.79%
-- Flow 2:
Average throughput: 25.76 Mbit/s
95th percentile per-packet one-way delay: 112.392 ms
Loss rate: 14.10%
-- Flow 3:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 113.489 ms
Loss rate: 40.91%
```

Run 5: Report of Verus — Data Link

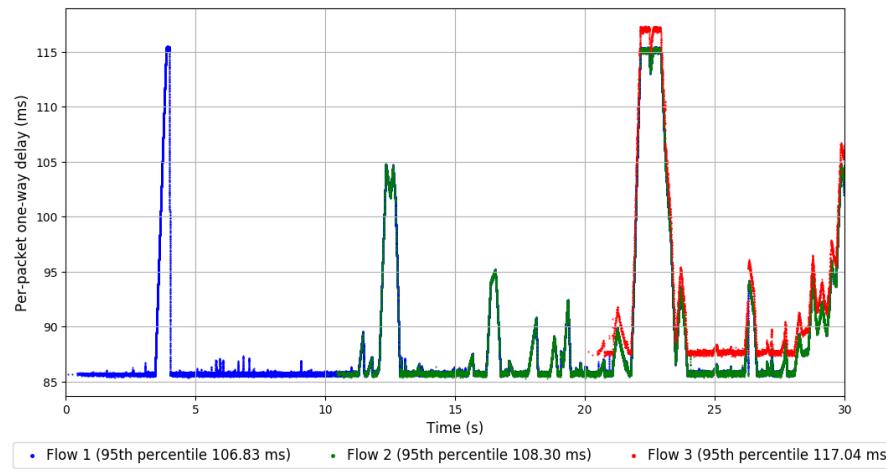
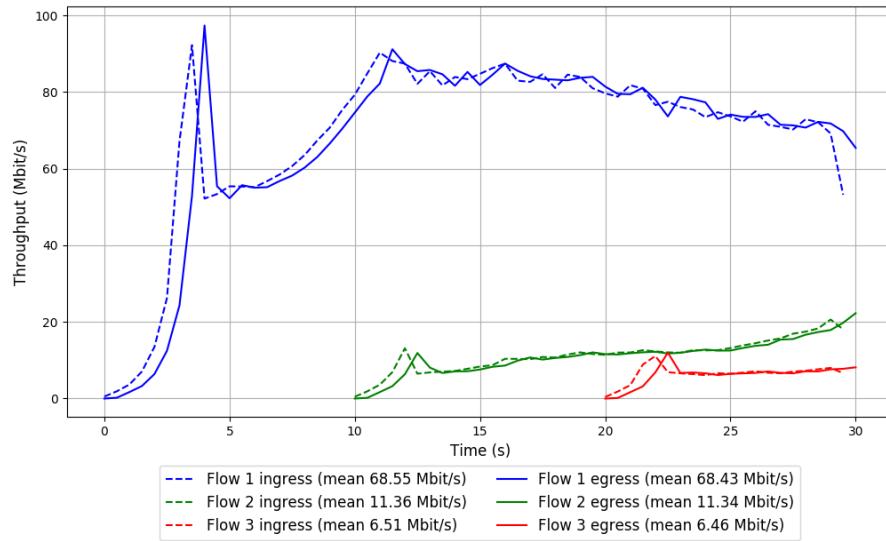


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-01-03 00:25:57
End at: 2019-01-03 00:26:27
Local clock offset: -0.474 ms
Remote clock offset: -4.9 ms

# Below is generated by plot.py at 2019-01-03 02:13:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.11 Mbit/s
95th percentile per-packet one-way delay: 108.482 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 106.834 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 11.34 Mbit/s
95th percentile per-packet one-way delay: 108.304 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 117.038 ms
Loss rate: 0.56%
```

Run 1: Report of PCC-Vivace — Data Link

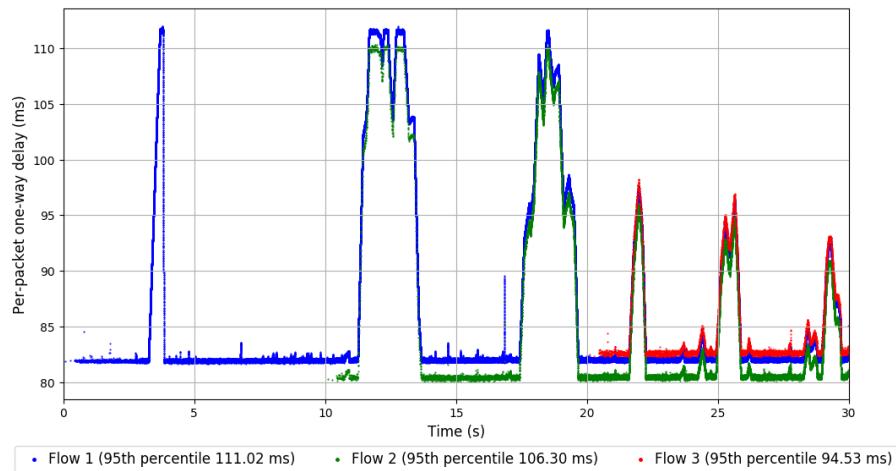
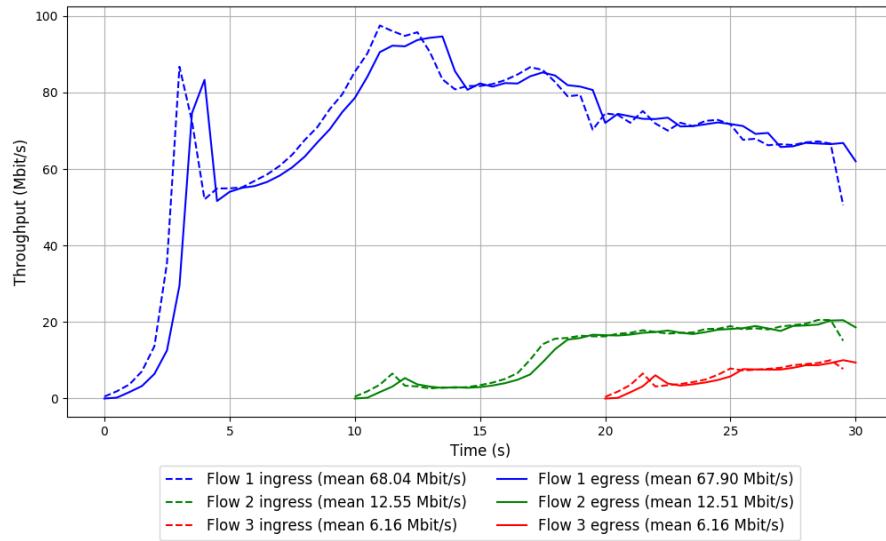


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-01-03 00:50:14
End at: 2019-01-03 00:50:44
Local clock offset: -1.534 ms
Remote clock offset: -10.28 ms

# Below is generated by plot.py at 2019-01-03 02:13:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.25 Mbit/s
95th percentile per-packet one-way delay: 110.102 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 67.90 Mbit/s
95th percentile per-packet one-way delay: 111.024 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 12.51 Mbit/s
95th percentile per-packet one-way delay: 106.297 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 94.525 ms
Loss rate: 0.04%
```

Run 2: Report of PCC-Vivace — Data Link

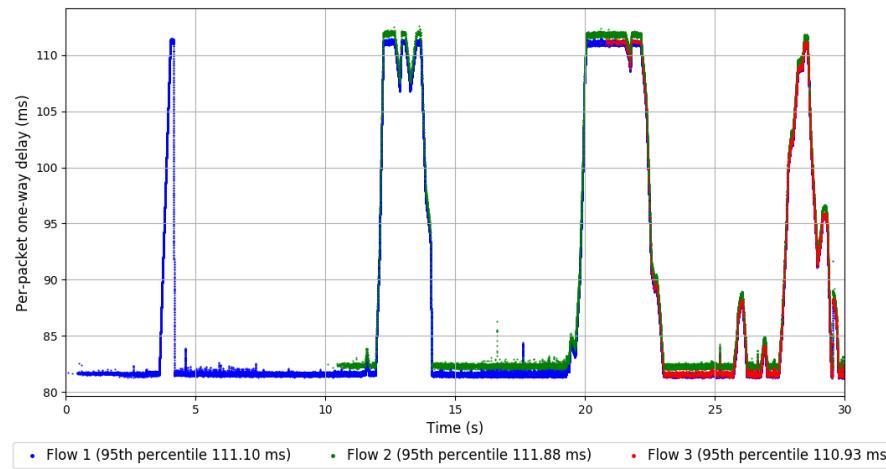
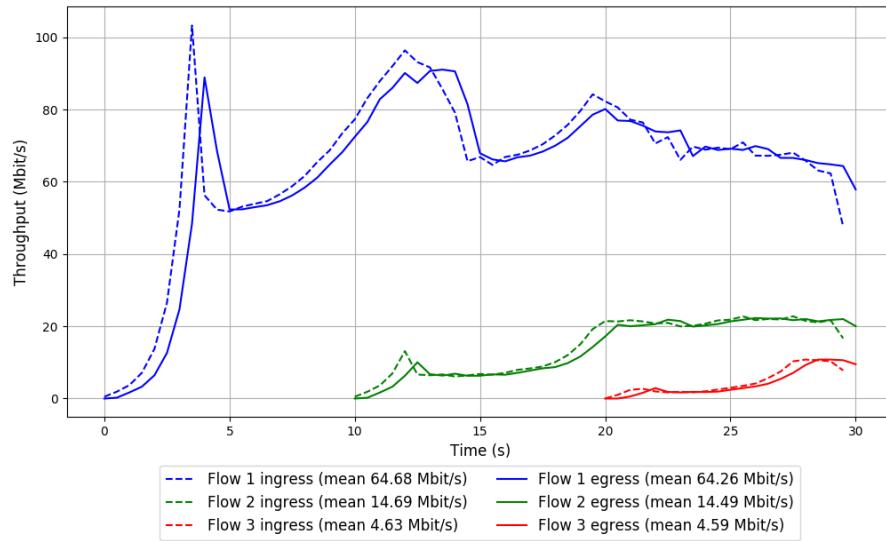


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-01-03 01:14:14
End at: 2019-01-03 01:14:44
Local clock offset: -1.891 ms
Remote clock offset: 11.899 ms

# Below is generated by plot.py at 2019-01-03 02:13:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.41 Mbit/s
95th percentile per-packet one-way delay: 111.143 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 64.26 Mbit/s
95th percentile per-packet one-way delay: 111.097 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 14.49 Mbit/s
95th percentile per-packet one-way delay: 111.882 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 110.931 ms
Loss rate: 1.11%
```

Run 3: Report of PCC-Vivace — Data Link

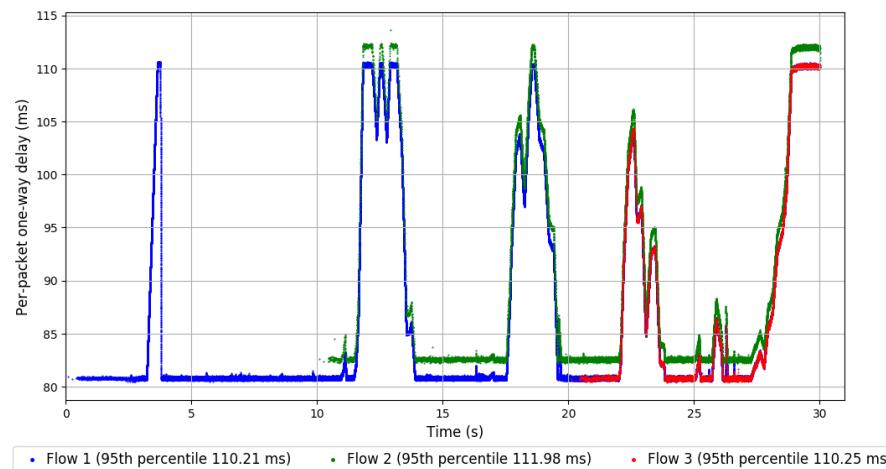
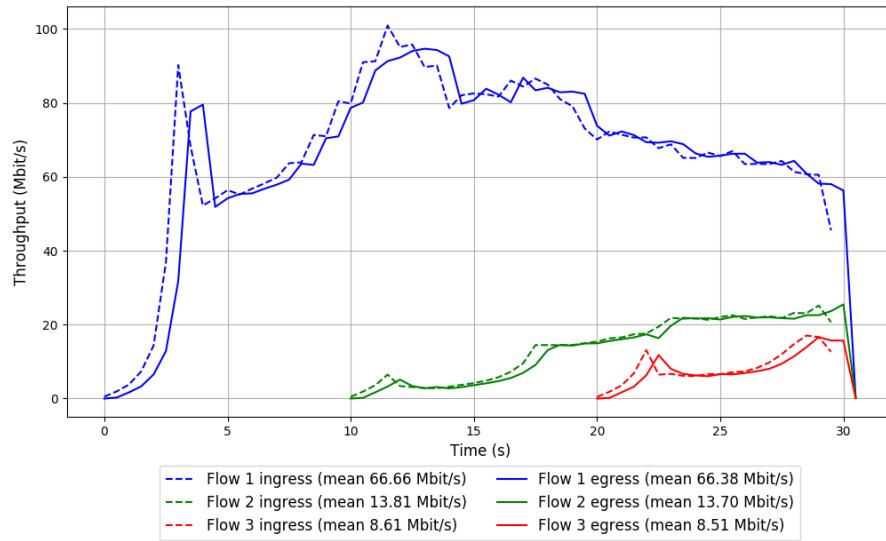


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-01-03 01:38:17
End at: 2019-01-03 01:38:47
Local clock offset: -1.905 ms
Remote clock offset: 20.891 ms

# Below is generated by plot.py at 2019-01-03 02:13:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.30 Mbit/s
95th percentile per-packet one-way delay: 110.255 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 66.38 Mbit/s
95th percentile per-packet one-way delay: 110.206 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 13.70 Mbit/s
95th percentile per-packet one-way delay: 111.979 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 8.51 Mbit/s
95th percentile per-packet one-way delay: 110.248 ms
Loss rate: 0.90%
```

Run 4: Report of PCC-Vivace — Data Link

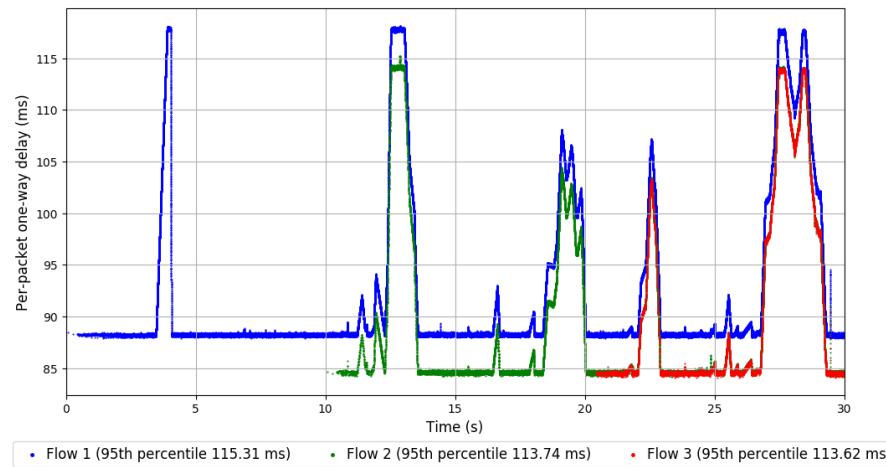
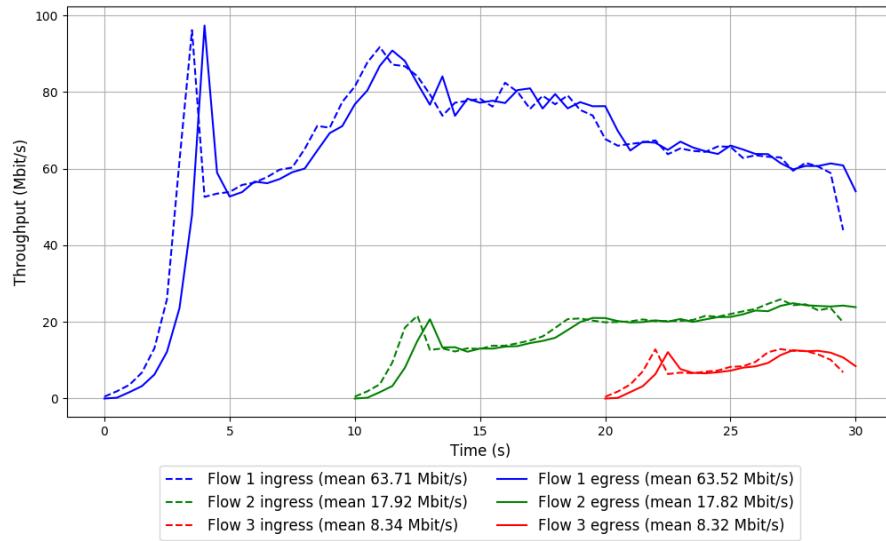


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-01-03 02:02:18
End at: 2019-01-03 02:02:48
Local clock offset: -1.833 ms
Remote clock offset: 31.259 ms

# Below is generated by plot.py at 2019-01-03 02:13:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.12 Mbit/s
95th percentile per-packet one-way delay: 113.994 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 63.52 Mbit/s
95th percentile per-packet one-way delay: 115.308 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 17.82 Mbit/s
95th percentile per-packet one-way delay: 113.740 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 113.624 ms
Loss rate: 0.19%
```

Run 5: Report of PCC-Vivace — Data Link

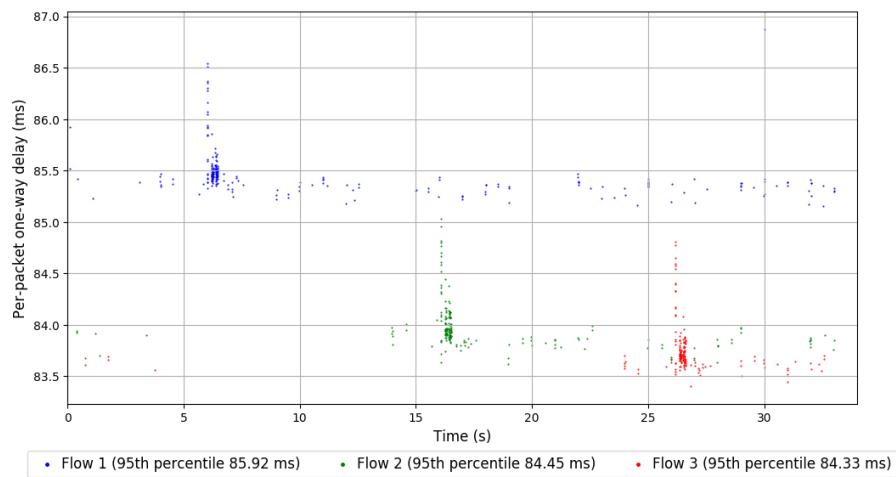
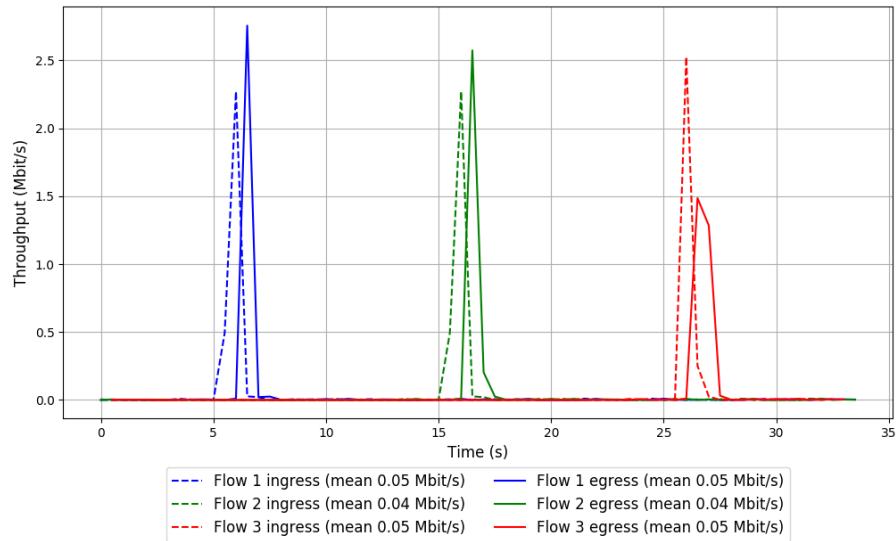


```
Run 1: Statistics of WebRTC media

Start at: 2019-01-03 00:27:16
End at: 2019-01-03 00:27:46
Local clock offset: -0.634 ms
Remote clock offset: -5.272 ms

# Below is generated by plot.py at 2019-01-03 02:13:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 85.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 85.923 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 84.446 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 84.332 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

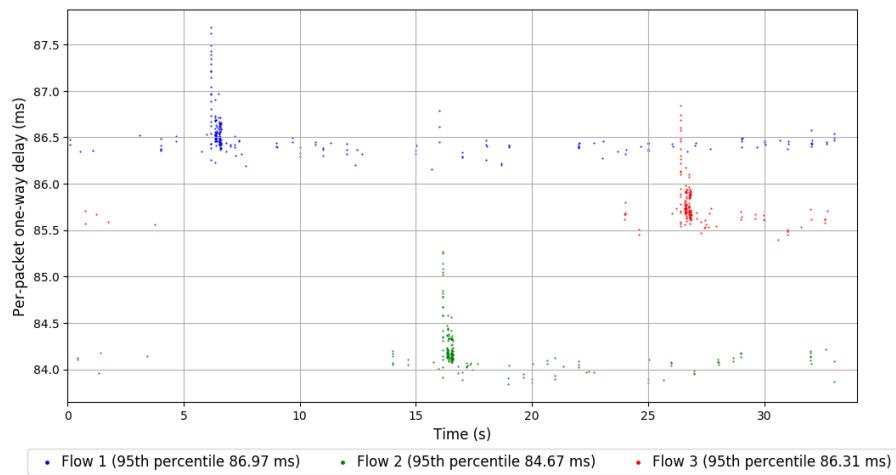
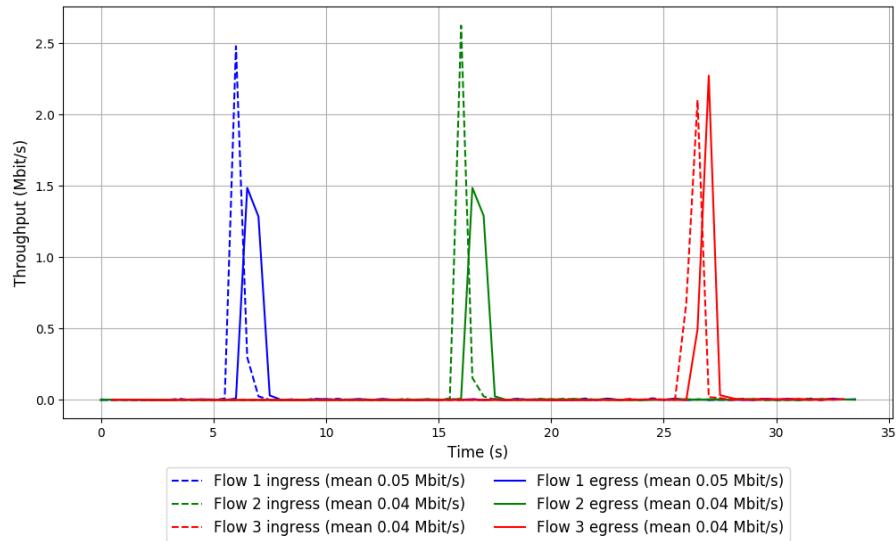


```
Run 2: Statistics of WebRTC media

Start at: 2019-01-03 00:51:32
End at: 2019-01-03 00:52:02
Local clock offset: -1.574 ms
Remote clock offset: -6.683 ms

# Below is generated by plot.py at 2019-01-03 02:13:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 86.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.972 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 84.675 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 86.306 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

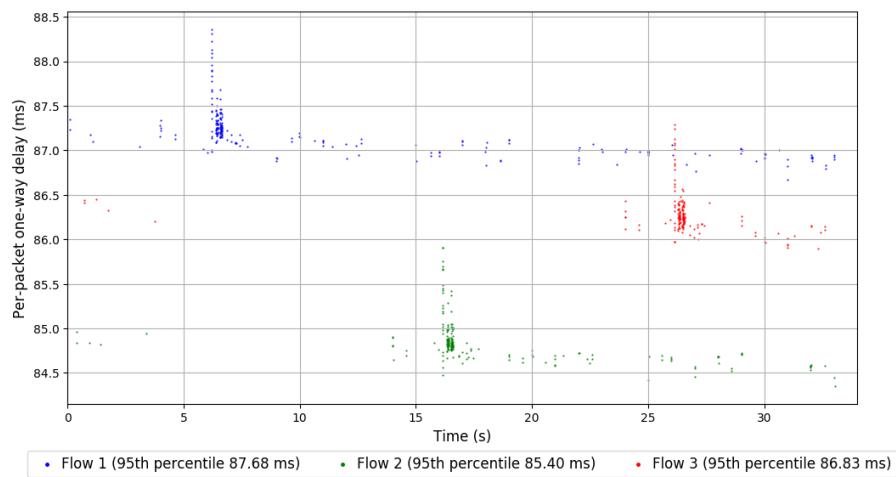
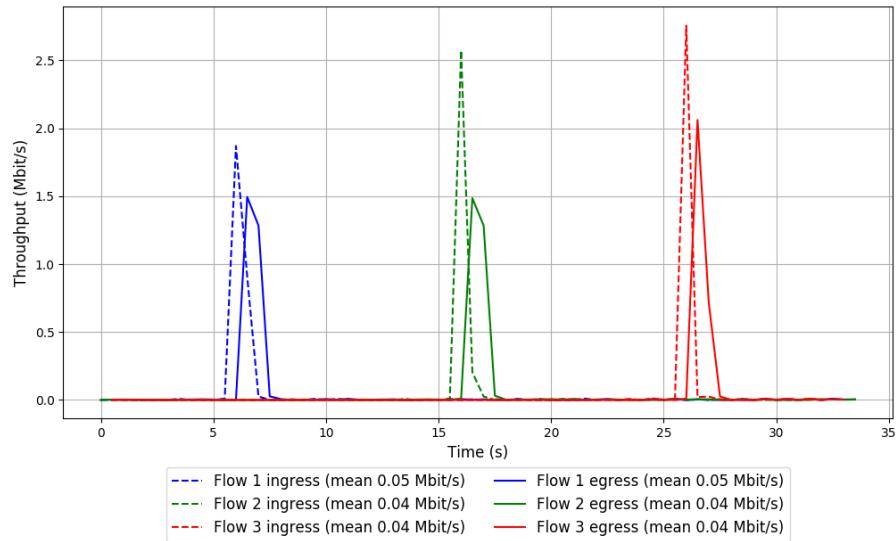


Run 3: Statistics of WebRTC media

```
Start at: 2019-01-03 01:15:32
End at: 2019-01-03 01:16:02
Local clock offset: -2.66 ms
Remote clock offset: 16.539 ms

# Below is generated by plot.py at 2019-01-03 02:13:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 87.404 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.683 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 85.397 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 86.828 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

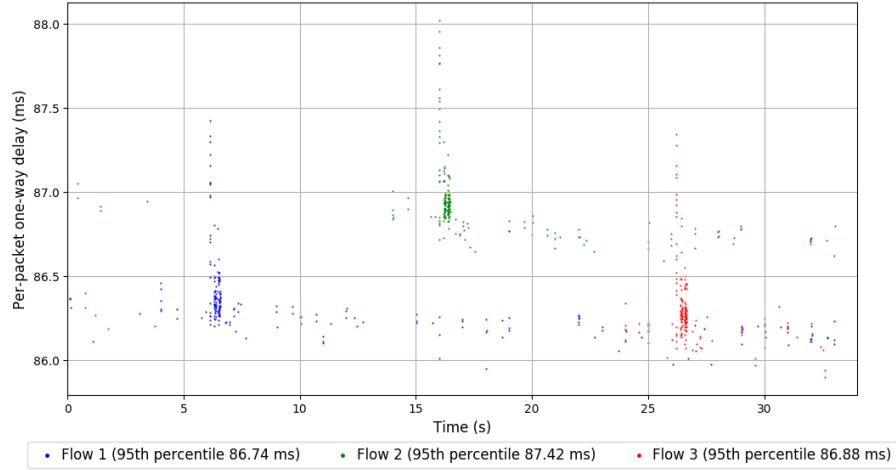
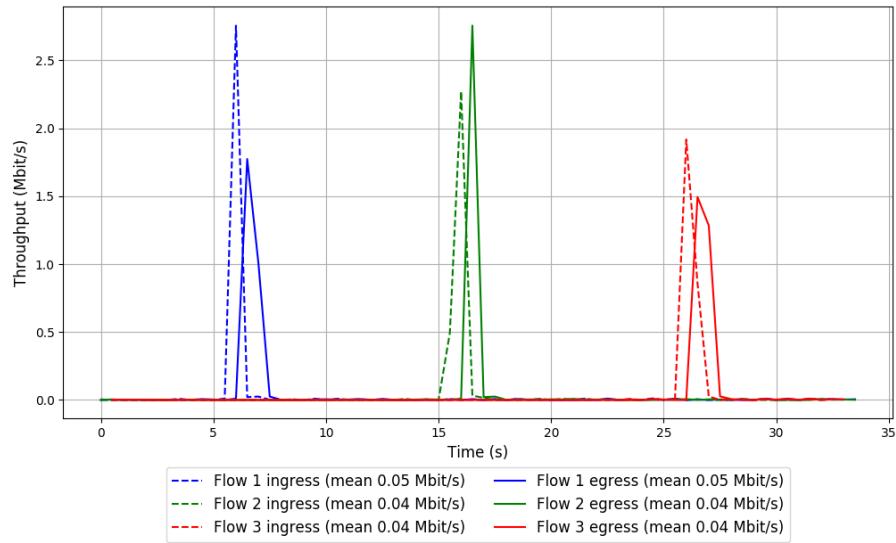


Run 4: Statistics of WebRTC media

```
Start at: 2019-01-03 01:39:36
End at: 2019-01-03 01:40:06
Local clock offset: -1.863 ms
Remote clock offset: 24.966 ms

# Below is generated by plot.py at 2019-01-03 02:13:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 87.102 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.744 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 87.417 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 86.881 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-01-03 02:03:36
End at: 2019-01-03 02:04:06
Local clock offset: -1.073 ms
Remote clock offset: 31.552 ms

# Below is generated by plot.py at 2019-01-03 02:13:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 85.639 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 84.159 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 85.977 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 85.132 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

