

Pantheon Report

Generated at 2018-05-26 20:57:46 (UTC).

Data path: GCE Tokyo Ethernet (*remote*) → GCE Sydney Ethernet (*local*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

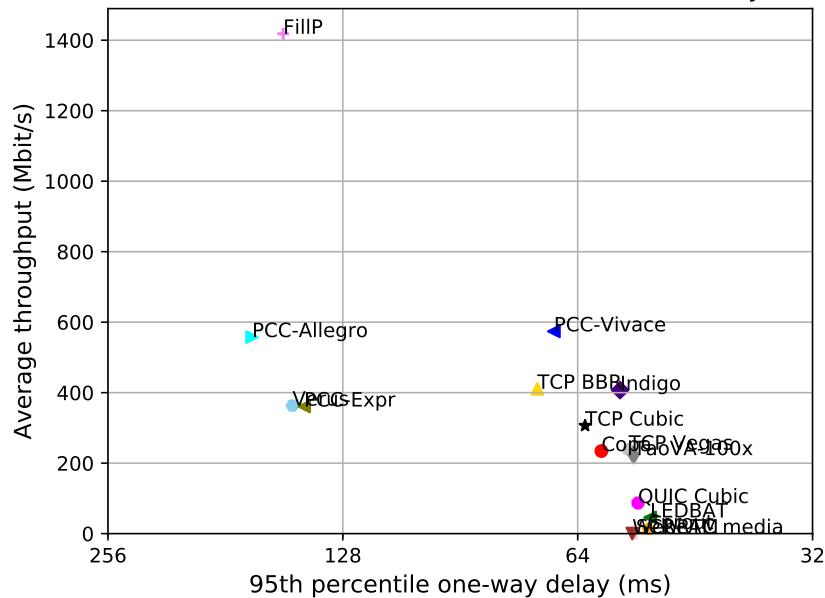
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

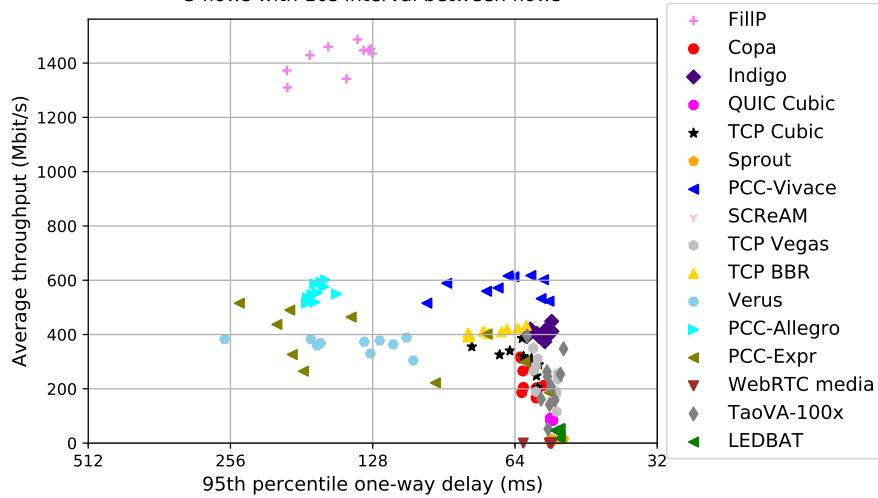
Git summary:

```
branch: master @ 0088822873ea99180f63545a341ef069f40efe59
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



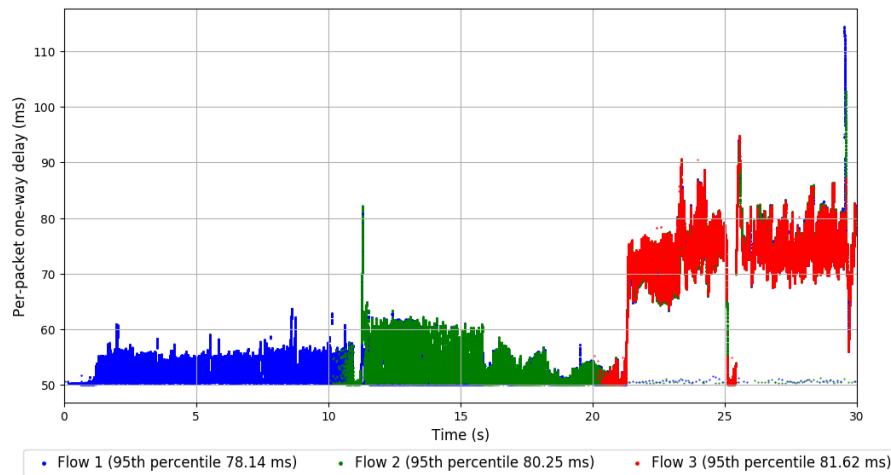
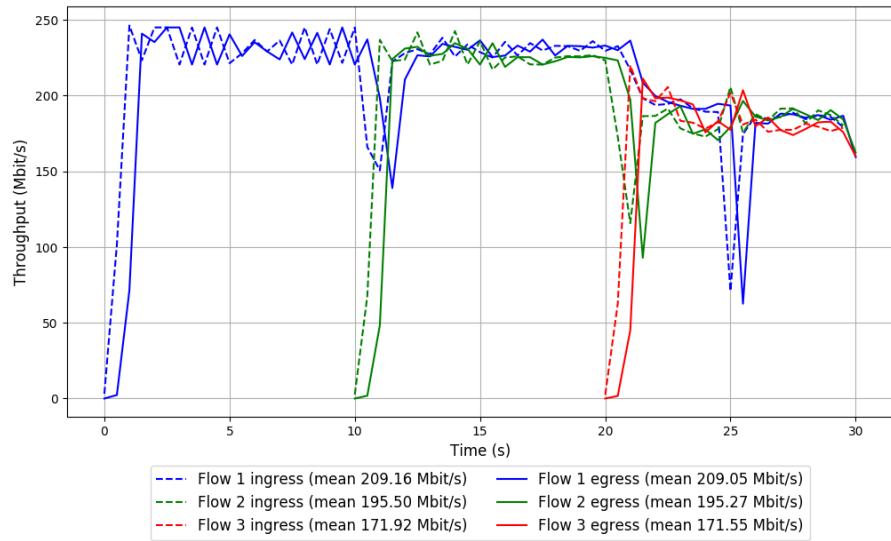
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	212.15	204.31	190.45	70.68	72.41	73.72	0.37	0.57	1.21
Copa		129.13	106.18	109.86	58.09	57.16	64.04	0.25	0.44	1.13
TCP Cubic		183.56	118.23	134.40	62.48	62.34	62.40	0.42	1.29	2.00
FillP		749.67	692.71	632.81	157.88	143.58	123.75	3.26	4.15	3.27
Indigo		221.54	198.59	164.11	55.75	56.73	57.64	0.34	0.54	1.21
LEDBAT		29.00	20.56	10.07	51.74	51.53	51.47	0.89	1.02	2.21
PCC-Allegro		506.38	57.57	40.03	167.30	167.02	154.82	1.40	1.58	2.25
PCC-Expr		203.92	183.68	106.19	113.42	143.70	89.61	2.64	4.01	3.52
QUIC Cubic		57.87	33.66	19.99	52.77	52.59	52.29	0.47	1.15	1.06
SCReAM		0.21	0.21	0.22	52.92	53.44	52.79	0.32	0.59	1.09
Sprout		6.74	6.94	5.82	51.96	51.87	52.45	0.36	0.53	1.03
TaoVA-100x		108.35	123.72	102.45	53.83	54.72	54.87	0.32	0.42	0.97
TCP Vegas		139.22	105.53	87.64	54.20	54.81	55.89	0.32	0.60	1.33
Verus		226.67	149.56	115.35	143.36	138.26	144.73	1.41	1.32	2.93
PCC-Vivace		334.03	298.30	127.59	63.60	70.38	63.25	0.31	0.64	1.47
WebRTC media		0.05	0.05	0.05	52.18	53.32	52.84	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-26 14:21:04
End at: 2018-05-26 14:21:34
Local clock offset: 0.263 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2018-05-26 18:34:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 395.47 Mbit/s
95th percentile per-packet one-way delay: 79.661 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 209.05 Mbit/s
95th percentile per-packet one-way delay: 78.144 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 195.27 Mbit/s
95th percentile per-packet one-way delay: 80.254 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 171.55 Mbit/s
95th percentile per-packet one-way delay: 81.617 ms
Loss rate: 1.28%
```

Run 1: Report of TCP BBR — Data Link

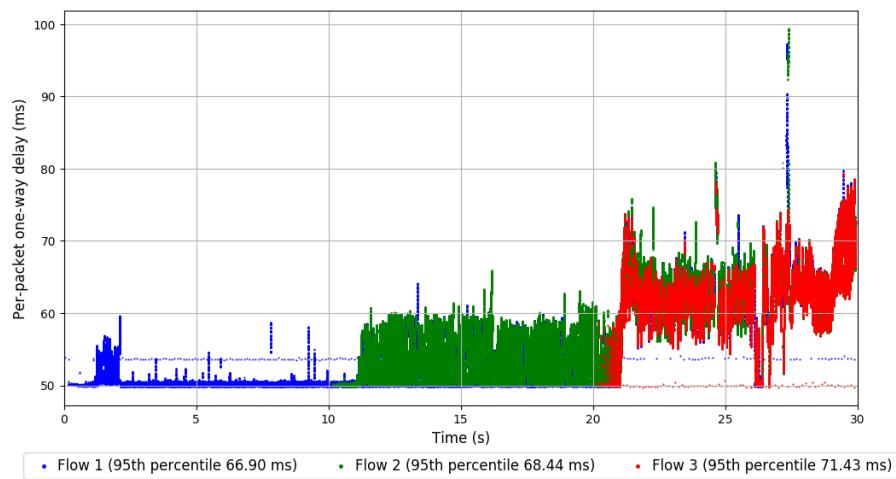
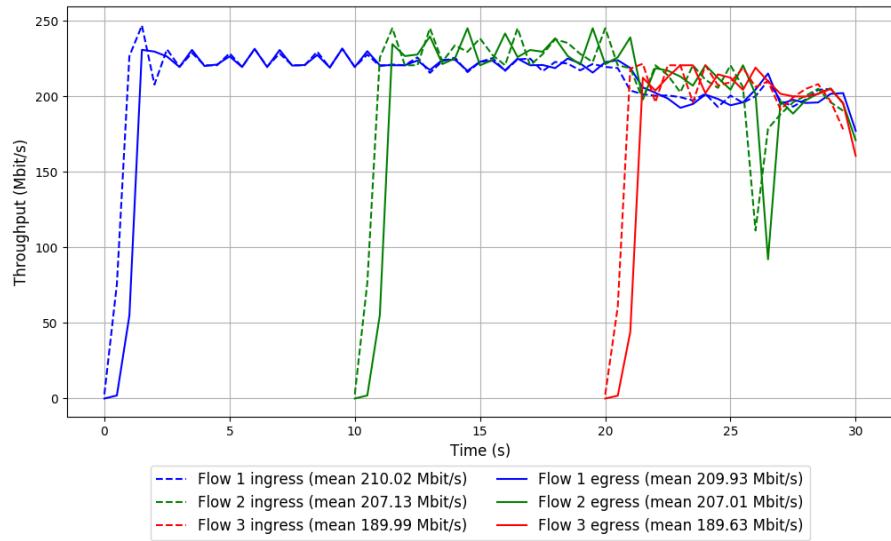


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-26 14:44:08
End at: 2018-05-26 14:44:38
Local clock offset: -0.048 ms
Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2018-05-26 18:34:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 410.25 Mbit/s
95th percentile per-packet one-way delay: 68.323 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 209.93 Mbit/s
95th percentile per-packet one-way delay: 66.898 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 207.01 Mbit/s
95th percentile per-packet one-way delay: 68.441 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 189.63 Mbit/s
95th percentile per-packet one-way delay: 71.433 ms
Loss rate: 1.19%
```

Run 2: Report of TCP BBR — Data Link

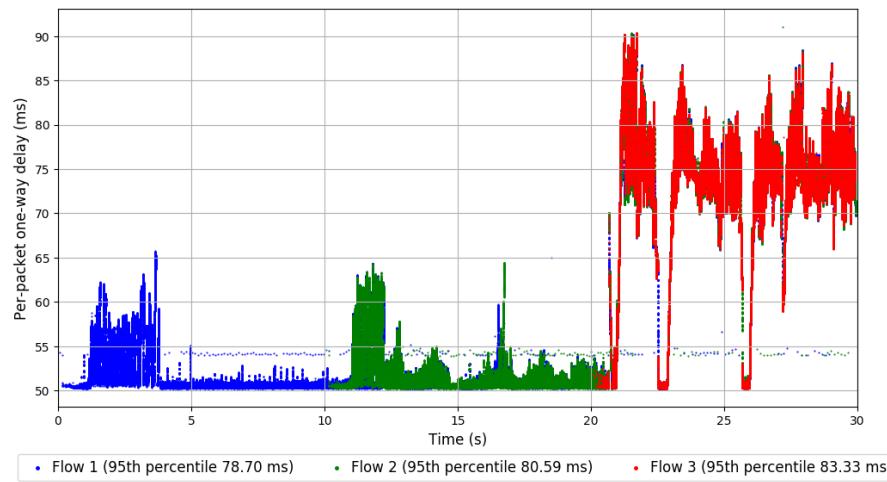
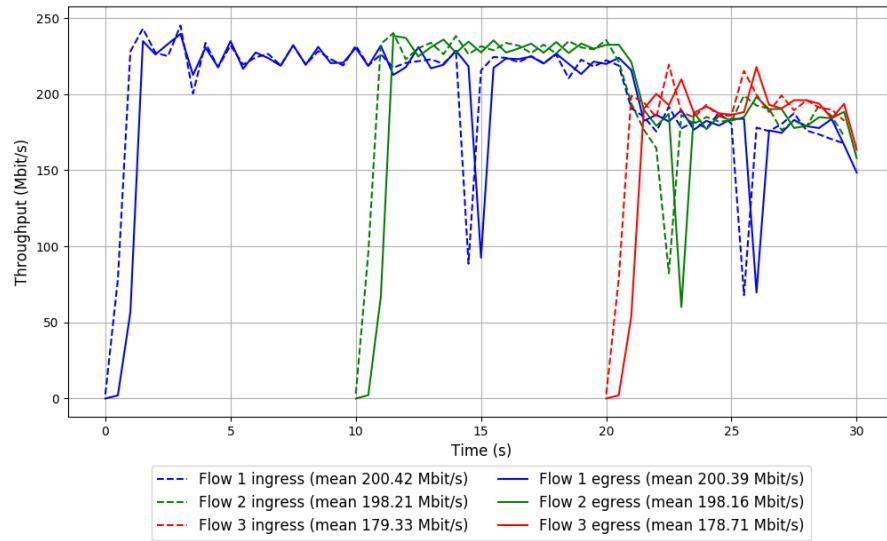


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-26 15:07:14
End at: 2018-05-26 15:07:44
Local clock offset: 0.172 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2018-05-26 18:34:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 391.12 Mbit/s
95th percentile per-packet one-way delay: 80.544 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 200.39 Mbit/s
95th percentile per-packet one-way delay: 78.696 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 198.16 Mbit/s
95th percentile per-packet one-way delay: 80.594 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 178.71 Mbit/s
95th percentile per-packet one-way delay: 83.334 ms
Loss rate: 1.37%
```

Run 3: Report of TCP BBR — Data Link

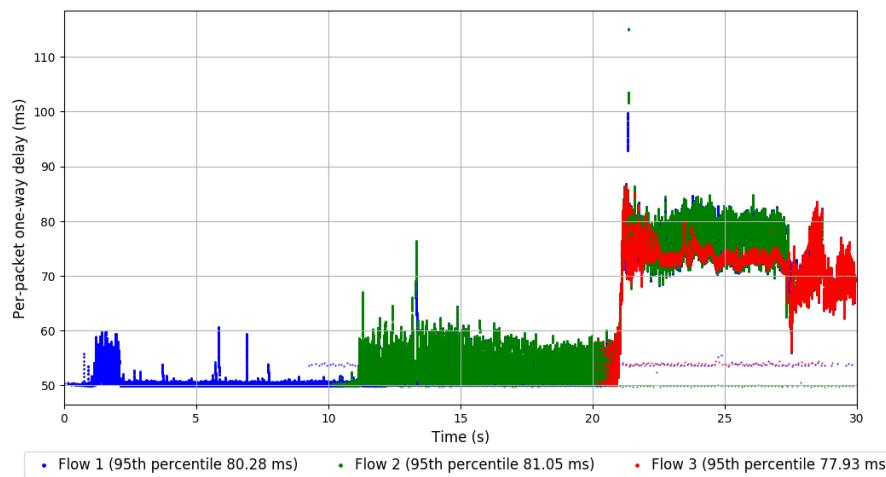
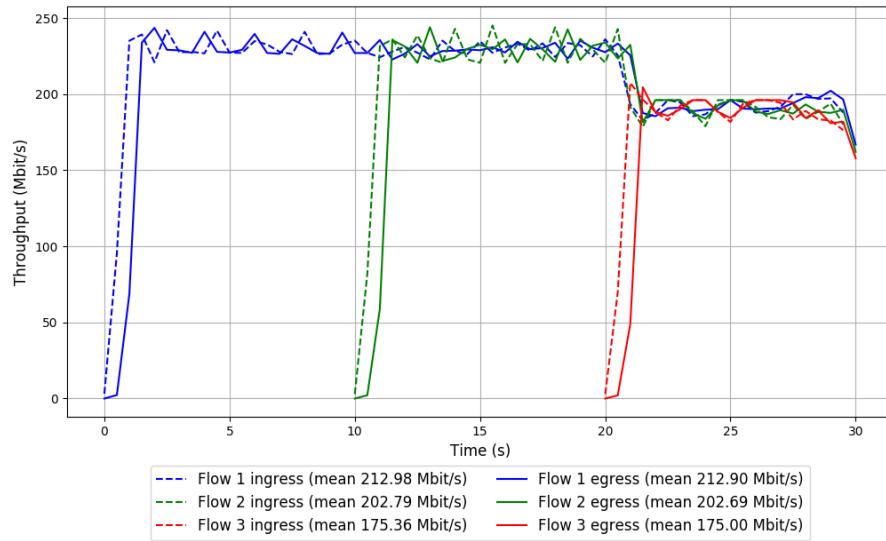


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-26 15:30:25
End at: 2018-05-26 15:30:55
Local clock offset: -0.032 ms
Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2018-05-26 18:34:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 405.52 Mbit/s
95th percentile per-packet one-way delay: 80.474 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 212.90 Mbit/s
95th percentile per-packet one-way delay: 80.282 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 202.69 Mbit/s
95th percentile per-packet one-way delay: 81.051 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 175.00 Mbit/s
95th percentile per-packet one-way delay: 77.927 ms
Loss rate: 1.29%
```

Run 4: Report of TCP BBR — Data Link

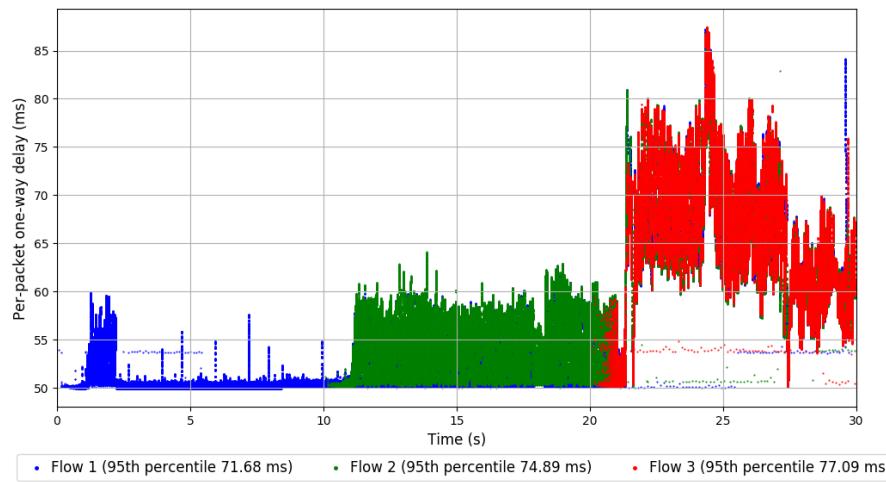
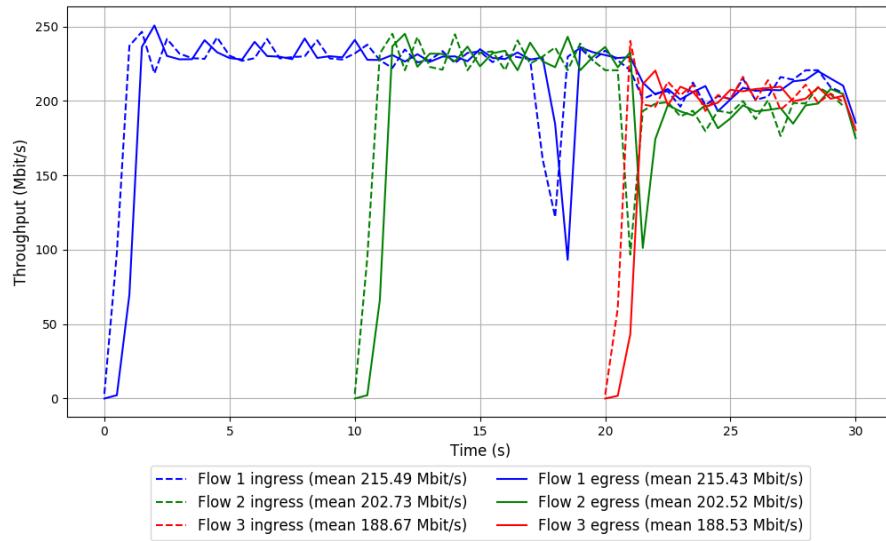


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-26 15:54:09
End at: 2018-05-26 15:54:39
Local clock offset: -0.106 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-05-26 18:34:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 412.27 Mbit/s
95th percentile per-packet one-way delay: 74.626 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 215.43 Mbit/s
95th percentile per-packet one-way delay: 71.676 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 202.52 Mbit/s
95th percentile per-packet one-way delay: 74.890 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 188.53 Mbit/s
95th percentile per-packet one-way delay: 77.089 ms
Loss rate: 1.13%
```

Run 5: Report of TCP BBR — Data Link

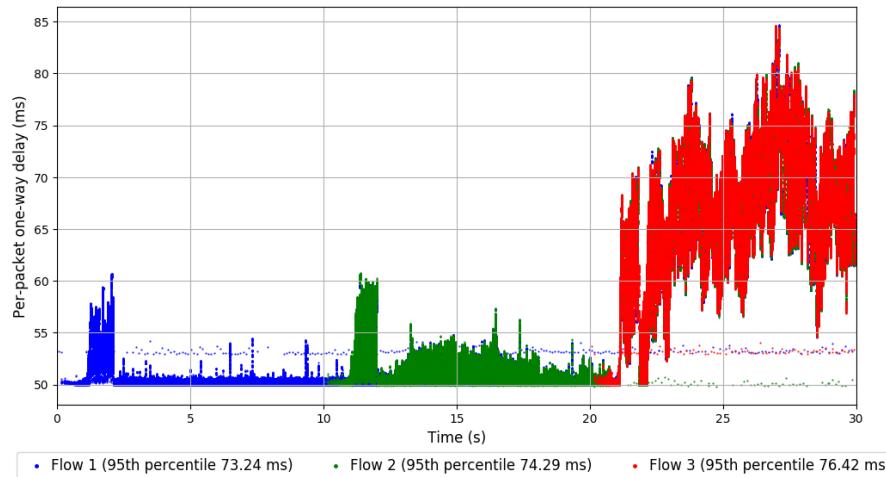
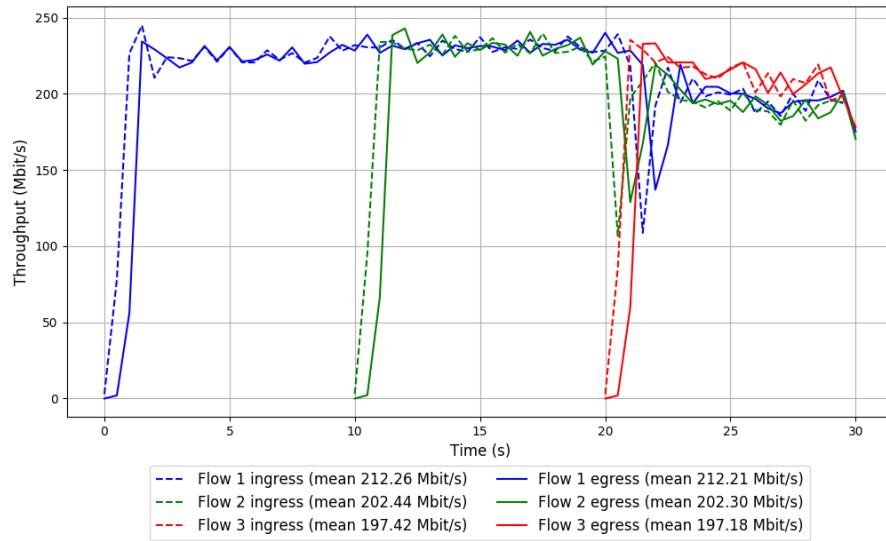


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-26 16:17:08
End at: 2018-05-26 16:17:38
Local clock offset: -0.23 ms
Remote clock offset: -0.175 ms

# Below is generated by plot.py at 2018-05-26 18:34:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 411.86 Mbit/s
95th percentile per-packet one-way delay: 74.397 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 212.21 Mbit/s
95th percentile per-packet one-way delay: 73.244 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 202.30 Mbit/s
95th percentile per-packet one-way delay: 74.286 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 197.18 Mbit/s
95th percentile per-packet one-way delay: 76.415 ms
Loss rate: 1.17%
```

Run 6: Report of TCP BBR — Data Link

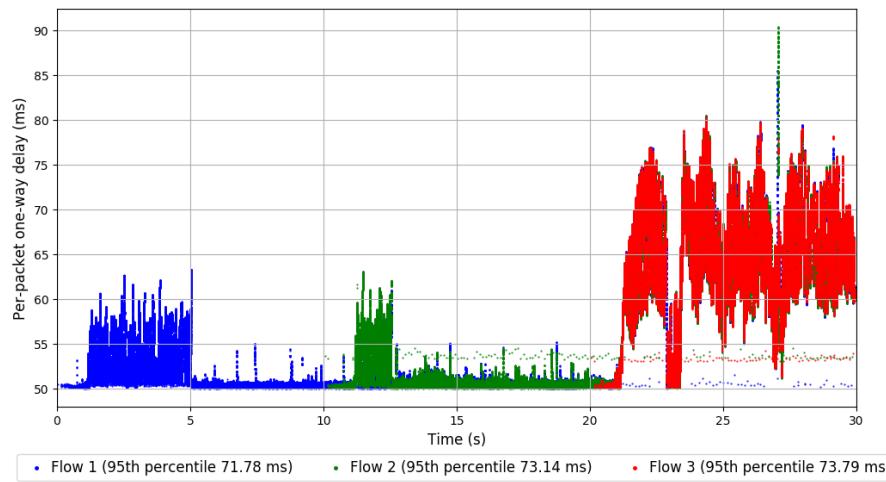
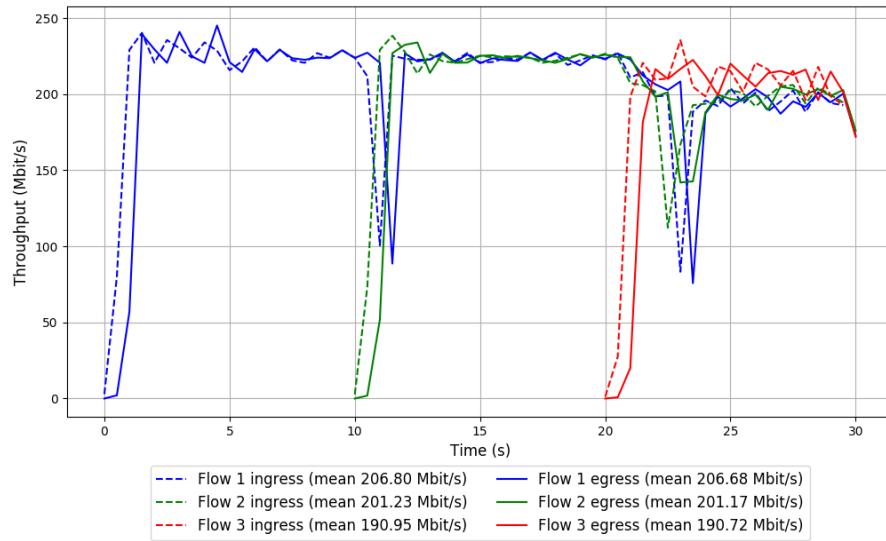


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-26 16:40:18
End at: 2018-05-26 16:40:48
Local clock offset: 0.192 ms
Remote clock offset: 0.09 ms

# Below is generated by plot.py at 2018-05-26 18:34:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 403.33 Mbit/s
95th percentile per-packet one-way delay: 72.780 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 206.68 Mbit/s
95th percentile per-packet one-way delay: 71.785 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 201.17 Mbit/s
95th percentile per-packet one-way delay: 73.142 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 190.72 Mbit/s
95th percentile per-packet one-way delay: 73.788 ms
Loss rate: 1.20%
```

Run 7: Report of TCP BBR — Data Link

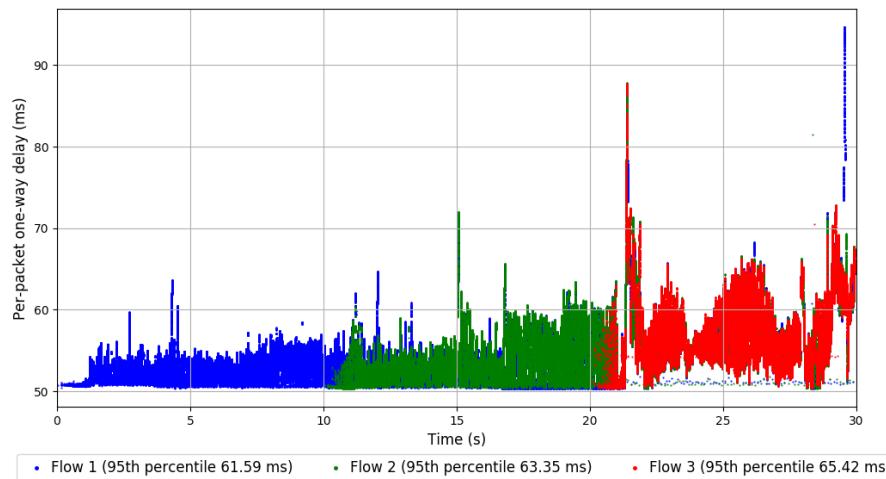
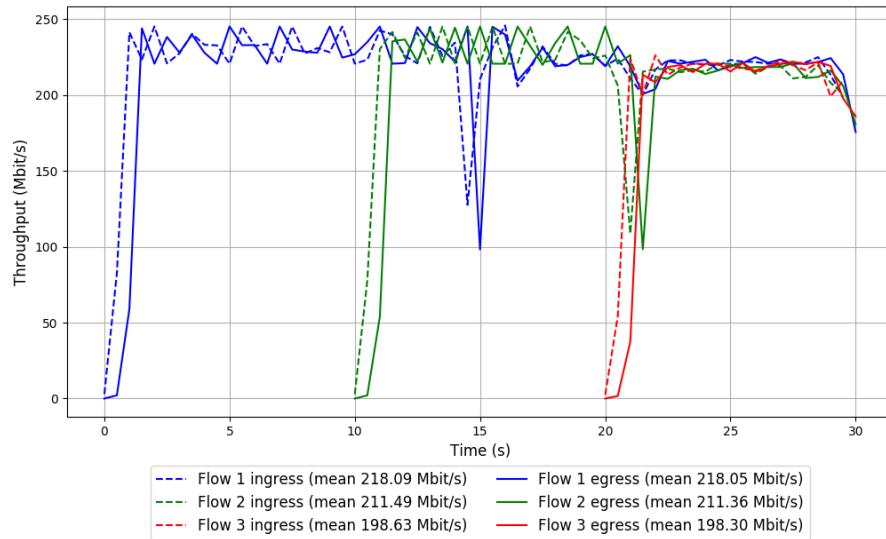


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-26 17:02:54
End at: 2018-05-26 17:03:24
Local clock offset: 0.184 ms
Remote clock offset: -0.468 ms

# Below is generated by plot.py at 2018-05-26 18:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 424.03 Mbit/s
95th percentile per-packet one-way delay: 63.132 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 218.05 Mbit/s
95th percentile per-packet one-way delay: 61.588 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 211.36 Mbit/s
95th percentile per-packet one-way delay: 63.347 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 198.30 Mbit/s
95th percentile per-packet one-way delay: 65.415 ms
Loss rate: 1.19%
```

Run 8: Report of TCP BBR — Data Link

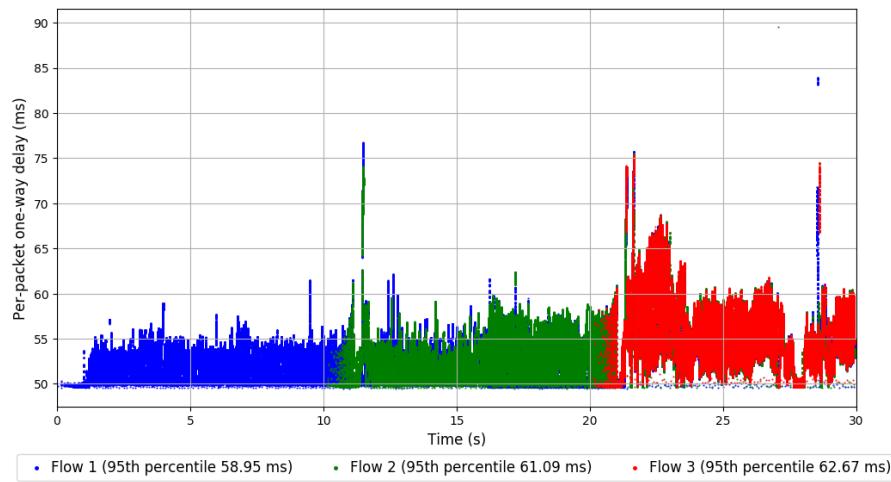
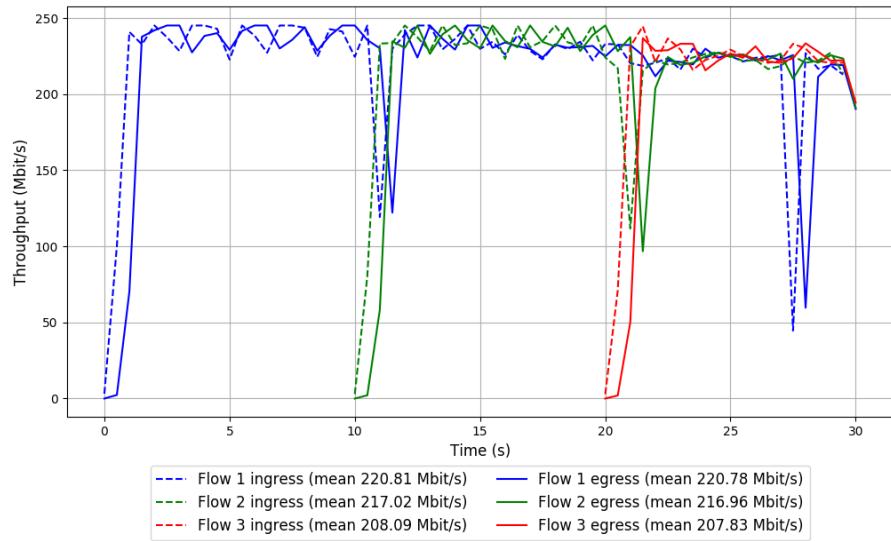


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-26 17:26:11
End at: 2018-05-26 17:26:41
Local clock offset: -0.398 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-05-26 18:42:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 433.64 Mbit/s
95th percentile per-packet one-way delay: 60.576 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 220.78 Mbit/s
95th percentile per-packet one-way delay: 58.947 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 216.96 Mbit/s
95th percentile per-packet one-way delay: 61.087 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 207.83 Mbit/s
95th percentile per-packet one-way delay: 62.673 ms
Loss rate: 1.18%
```

Run 9: Report of TCP BBR — Data Link

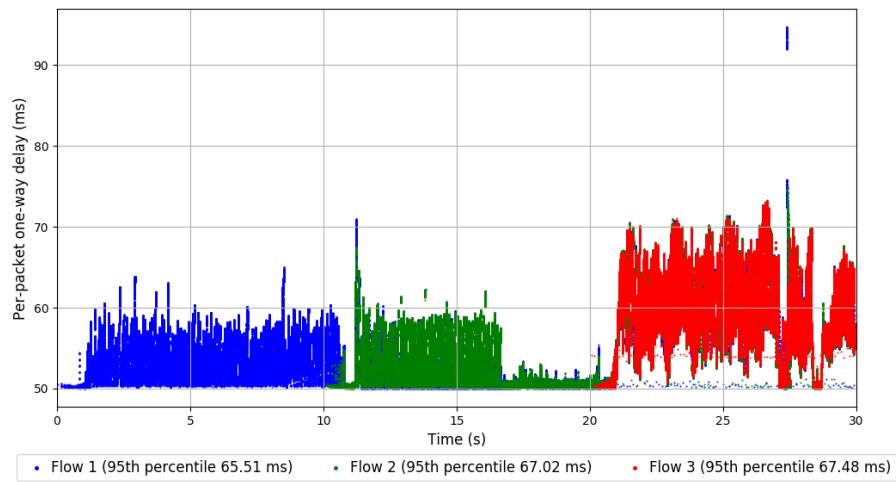
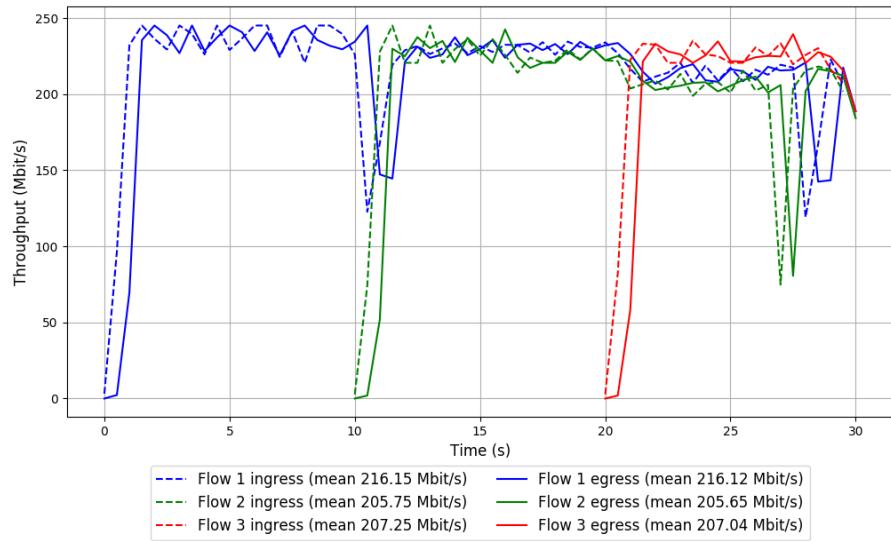


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-26 17:49:51
End at: 2018-05-26 17:50:21
Local clock offset: 0.189 ms
Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2018-05-26 18:42:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.18 Mbit/s
95th percentile per-packet one-way delay: 66.506 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 216.12 Mbit/s
95th percentile per-packet one-way delay: 65.507 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 205.65 Mbit/s
95th percentile per-packet one-way delay: 67.016 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 207.04 Mbit/s
95th percentile per-packet one-way delay: 67.477 ms
Loss rate: 1.14%
```

Run 10: Report of TCP BBR — Data Link

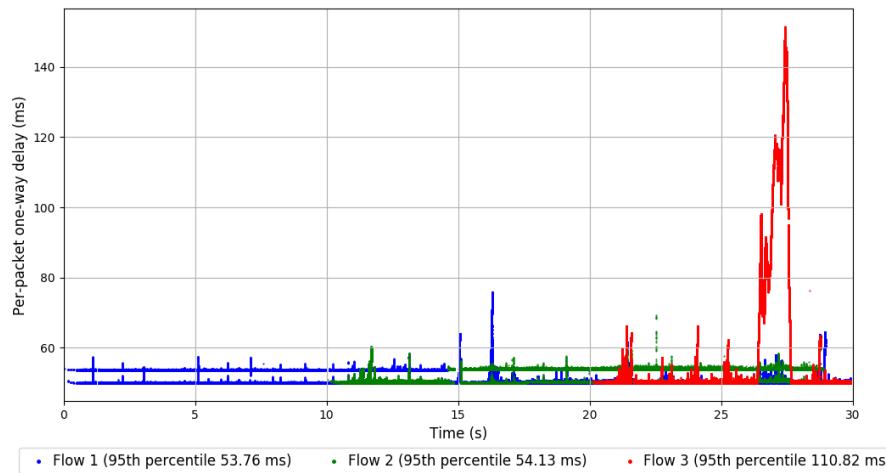
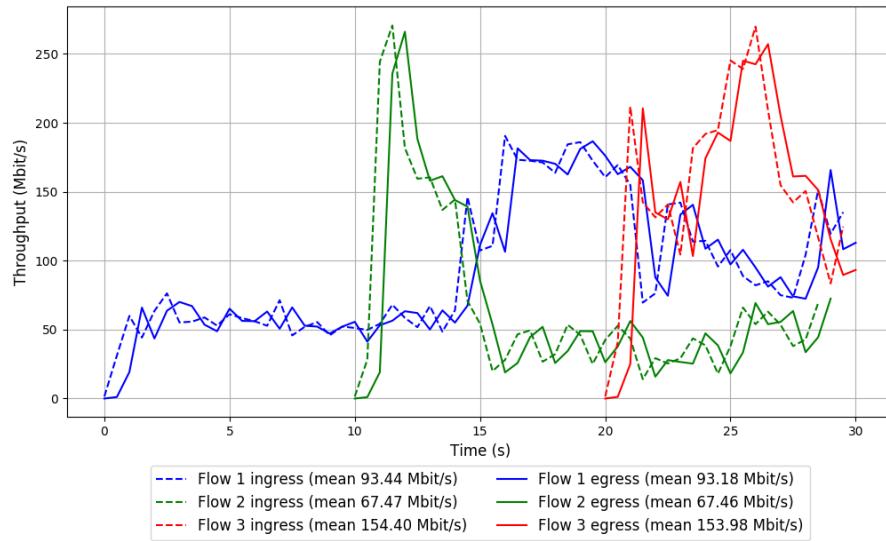


Run 1: Statistics of Copa

```
Start at: 2018-05-26 14:36:50
End at: 2018-05-26 14:37:20
Local clock offset: 0.183 ms
Remote clock offset: 0.114 ms

# Below is generated by plot.py at 2018-05-26 18:42:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 186.57 Mbit/s
95th percentile per-packet one-way delay: 61.920 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 53.755 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 67.46 Mbit/s
95th percentile per-packet one-way delay: 54.135 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 153.98 Mbit/s
95th percentile per-packet one-way delay: 110.816 ms
Loss rate: 1.27%
```

Run 1: Report of Copa — Data Link

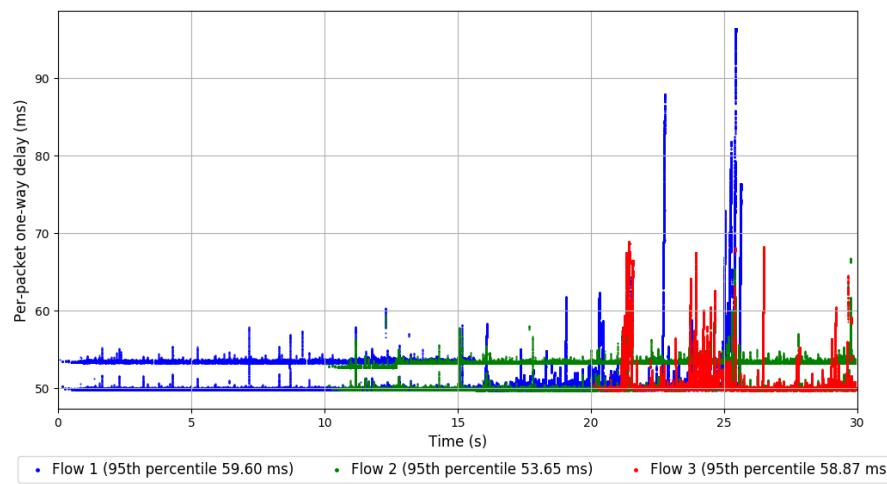
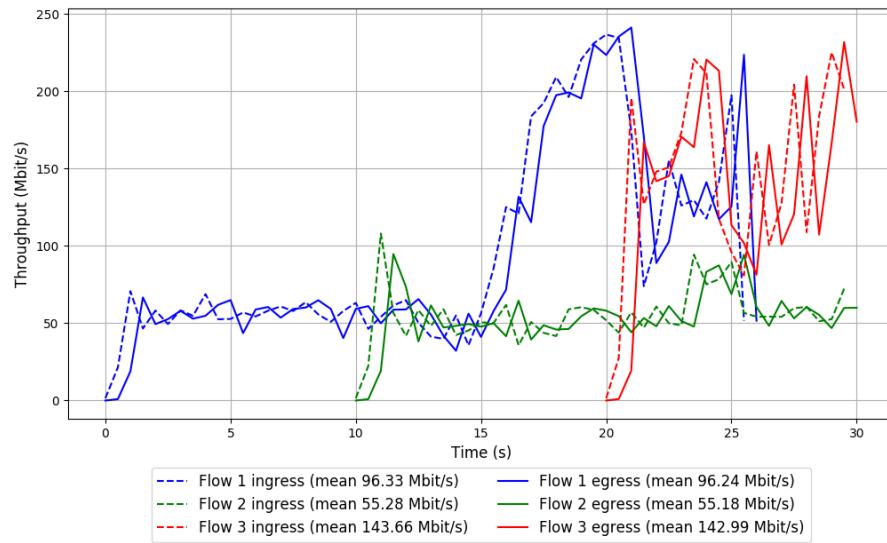


Run 2: Statistics of Copa

```
Start at: 2018-05-26 15:00:02
End at: 2018-05-26 15:00:32
Local clock offset: -0.031 ms
Remote clock offset: 0.217 ms

# Below is generated by plot.py at 2018-05-26 18:42:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 166.32 Mbit/s
95th percentile per-packet one-way delay: 57.714 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 59.602 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.18 Mbit/s
95th percentile per-packet one-way delay: 53.654 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 142.99 Mbit/s
95th percentile per-packet one-way delay: 58.867 ms
Loss rate: 1.48%
```

Run 2: Report of Copa — Data Link

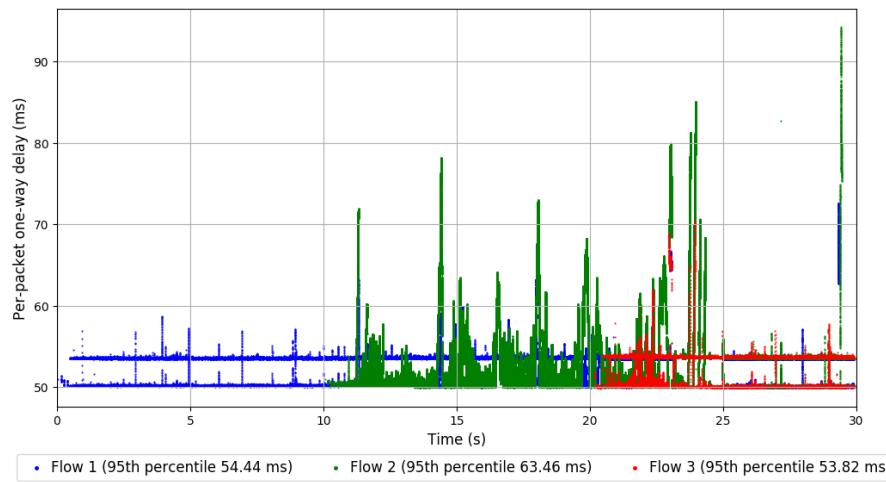
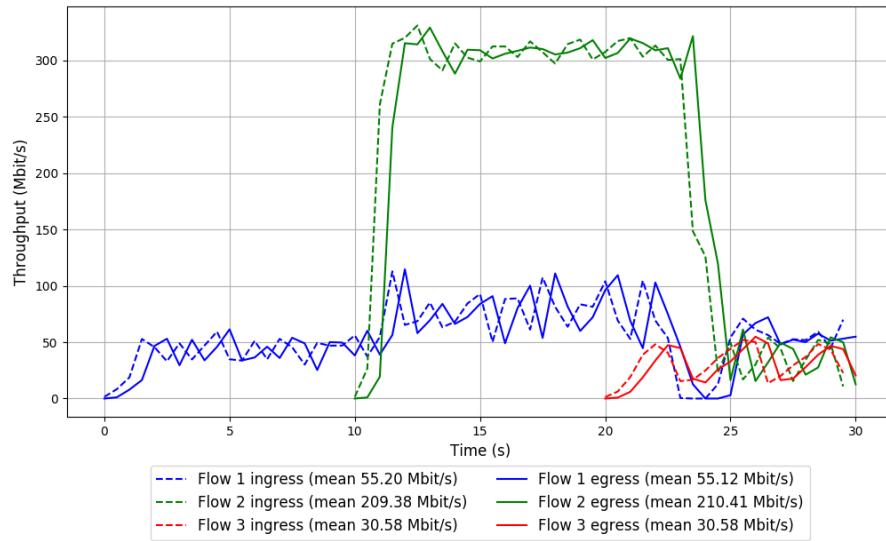


Run 3: Statistics of Copa

```
Start at: 2018-05-26 15:23:14
End at: 2018-05-26 15:23:44
Local clock offset: 0.157 ms
Remote clock offset: 0.11 ms

# Below is generated by plot.py at 2018-05-26 18:42:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 205.09 Mbit/s
95th percentile per-packet one-way delay: 61.423 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 55.12 Mbit/s
95th percentile per-packet one-way delay: 54.441 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 210.41 Mbit/s
95th percentile per-packet one-way delay: 63.461 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 30.58 Mbit/s
95th percentile per-packet one-way delay: 53.816 ms
Loss rate: 1.02%
```

Run 3: Report of Copa — Data Link

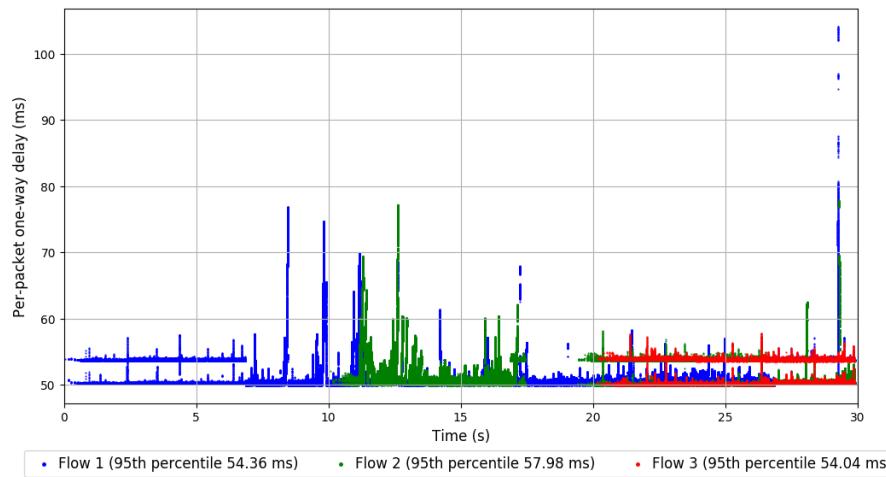
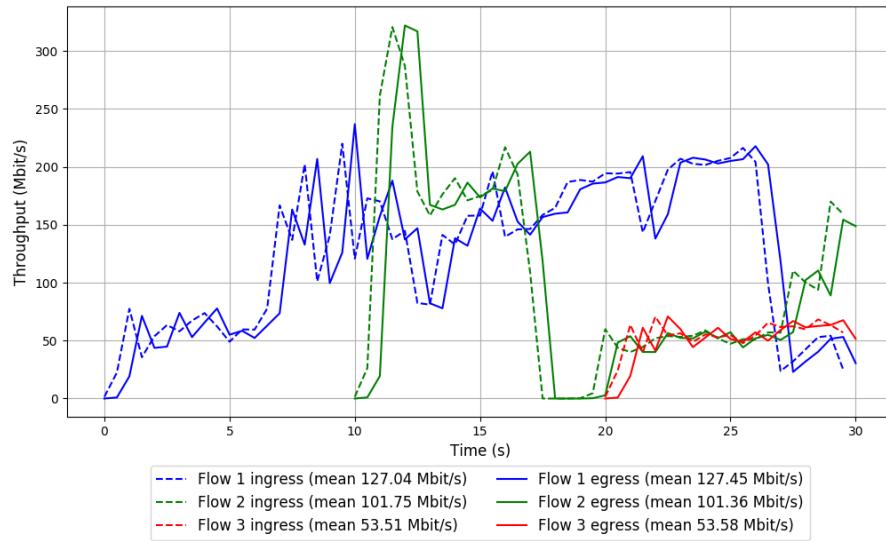


Run 4: Statistics of Copa

```
Start at: 2018-05-26 15:46:51
End at: 2018-05-26 15:47:21
Local clock offset: 0.244 ms
Remote clock offset: 0.196 ms

# Below is generated by plot.py at 2018-05-26 18:42:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 212.43 Mbit/s
95th percentile per-packet one-way delay: 55.611 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 127.45 Mbit/s
95th percentile per-packet one-way delay: 54.359 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 101.36 Mbit/s
95th percentile per-packet one-way delay: 57.977 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 53.58 Mbit/s
95th percentile per-packet one-way delay: 54.043 ms
Loss rate: 1.00%
```

Run 4: Report of Copa — Data Link

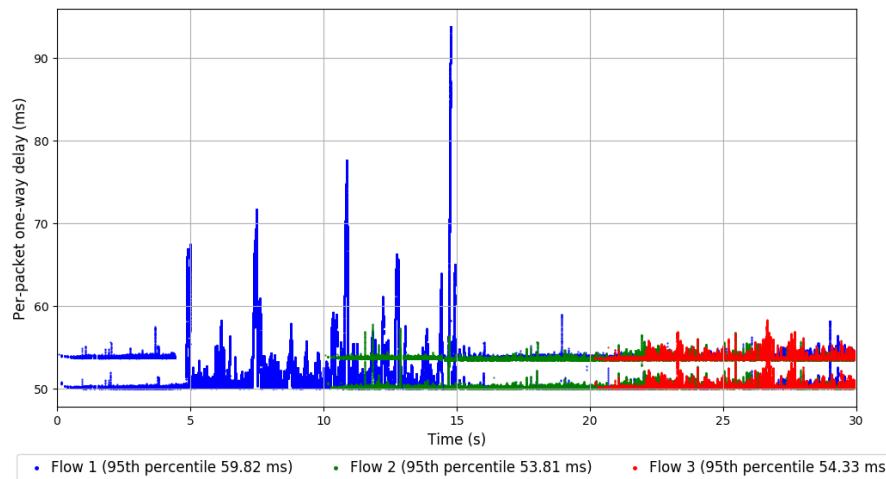
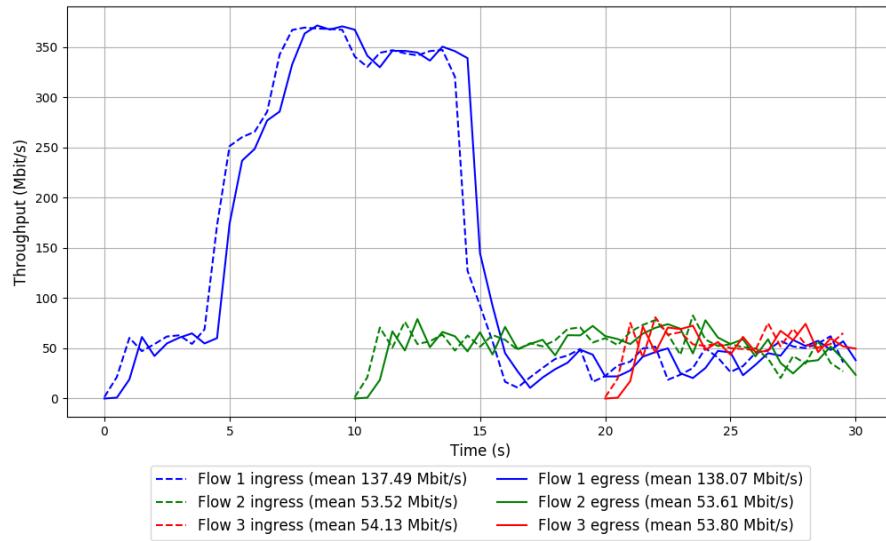


Run 5: Statistics of Copa

```
Start at: 2018-05-26 16:10:10
End at: 2018-05-26 16:10:40
Local clock offset: -0.024 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-05-26 18:42:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 191.10 Mbit/s
95th percentile per-packet one-way delay: 57.550 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 138.07 Mbit/s
95th percentile per-packet one-way delay: 59.819 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 53.61 Mbit/s
95th percentile per-packet one-way delay: 53.806 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 53.80 Mbit/s
95th percentile per-packet one-way delay: 54.328 ms
Loss rate: 1.68%
```

Run 5: Report of Copa — Data Link

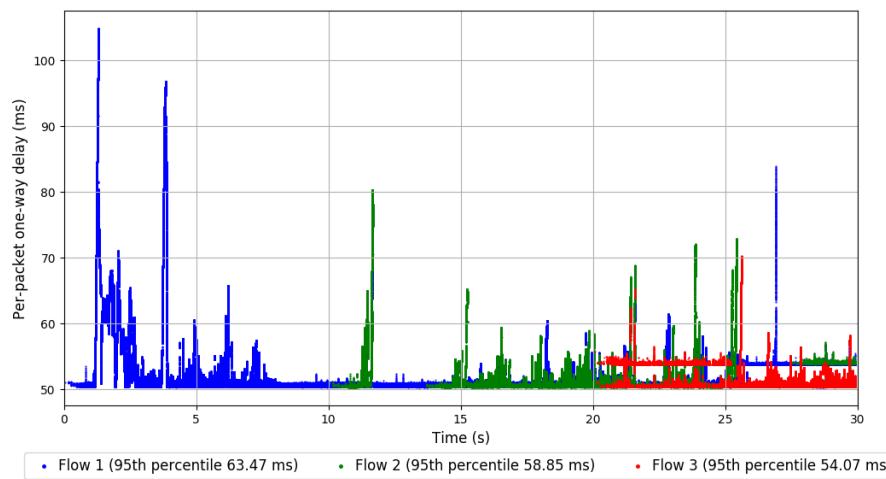
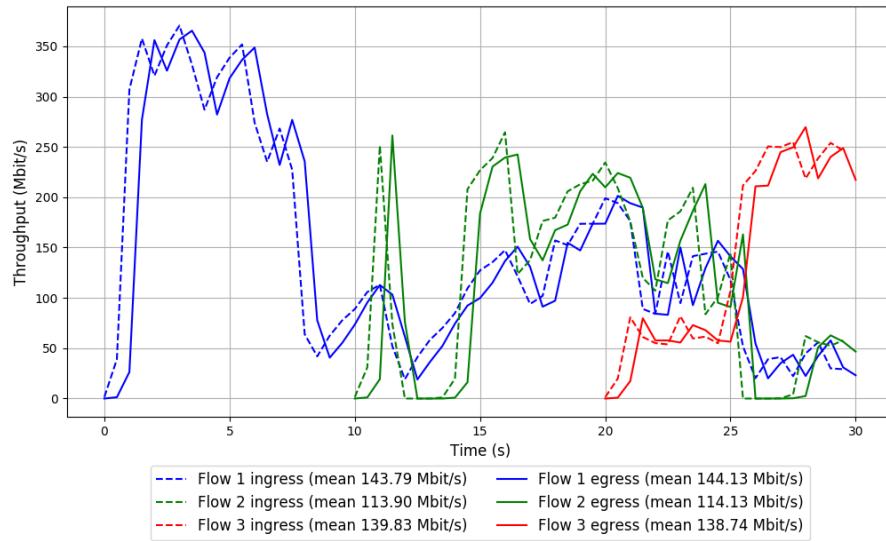


Run 6: Statistics of Copa

```
Start at: 2018-05-26 16:33:09
End at: 2018-05-26 16:33:39
Local clock offset: 0.098 ms
Remote clock offset: -0.282 ms

# Below is generated by plot.py at 2018-05-26 18:43:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 265.84 Mbit/s
95th percentile per-packet one-way delay: 61.580 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 144.13 Mbit/s
95th percentile per-packet one-way delay: 63.470 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 114.13 Mbit/s
95th percentile per-packet one-way delay: 58.846 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 138.74 Mbit/s
95th percentile per-packet one-way delay: 54.071 ms
Loss rate: 1.83%
```

Run 6: Report of Copa — Data Link

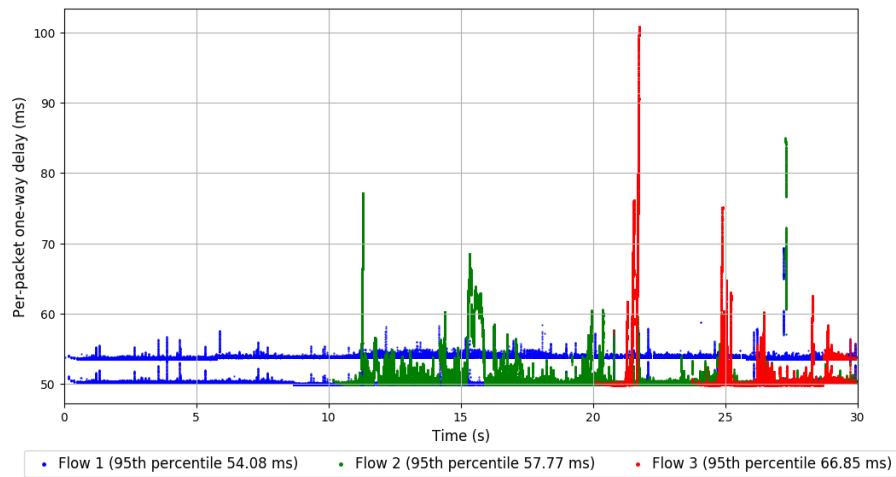
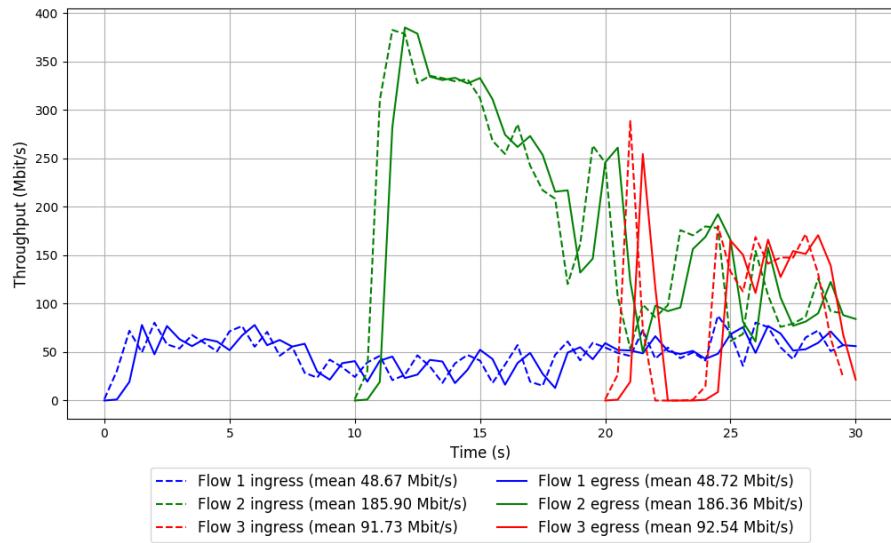


Run 7: Statistics of Copa

```
Start at: 2018-05-26 16:55:59
End at: 2018-05-26 16:56:29
Local clock offset: -0.072 ms
Remote clock offset: -0.267 ms

# Below is generated by plot.py at 2018-05-26 18:46:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 203.25 Mbit/s
95th percentile per-packet one-way delay: 57.640 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 48.72 Mbit/s
95th percentile per-packet one-way delay: 54.075 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 186.36 Mbit/s
95th percentile per-packet one-way delay: 57.773 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 66.848 ms
Loss rate: 0.14%
```

Run 7: Report of Copa — Data Link

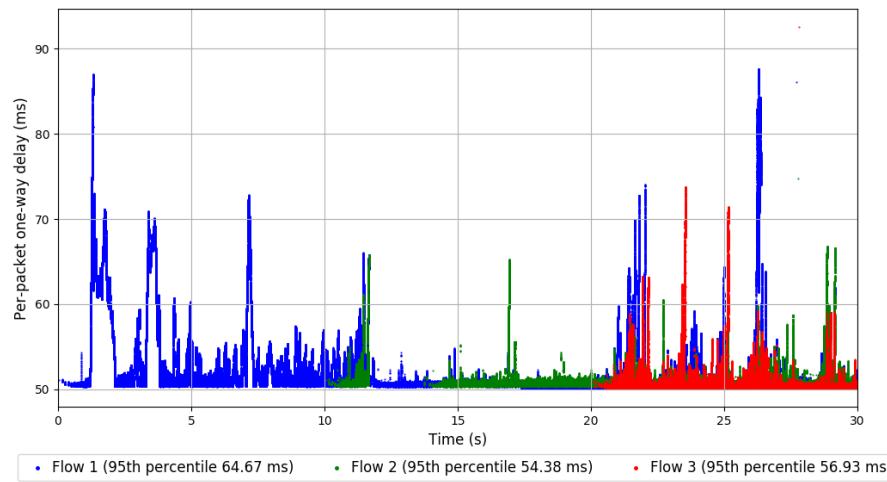
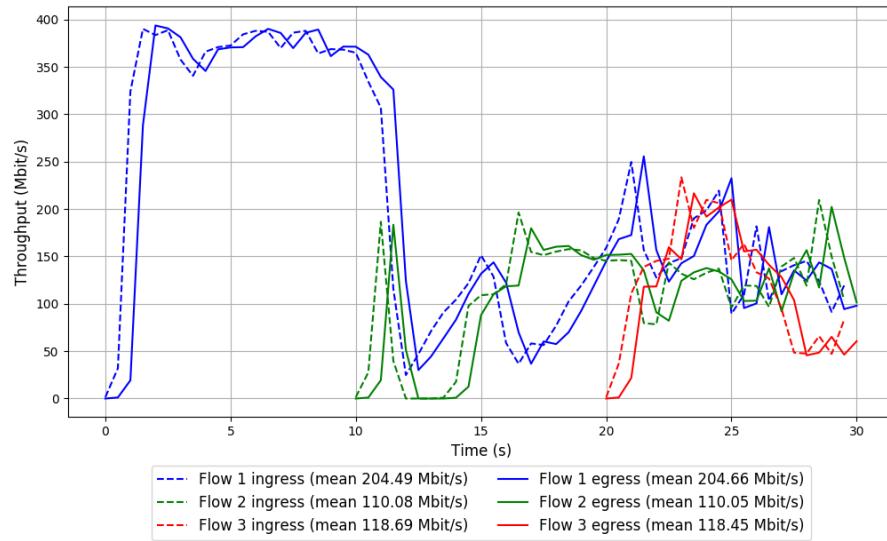


Run 8: Statistics of Copa

```
Start at: 2018-05-26 17:18:50
End at: 2018-05-26 17:19:20
Local clock offset: 0.066 ms
Remote clock offset: -0.291 ms

# Below is generated by plot.py at 2018-05-26 18:51:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 316.96 Mbit/s
95th percentile per-packet one-way delay: 62.358 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 204.66 Mbit/s
95th percentile per-packet one-way delay: 64.671 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 110.05 Mbit/s
95th percentile per-packet one-way delay: 54.375 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 118.45 Mbit/s
95th percentile per-packet one-way delay: 56.928 ms
Loss rate: 1.22%
```

Run 8: Report of Copa — Data Link

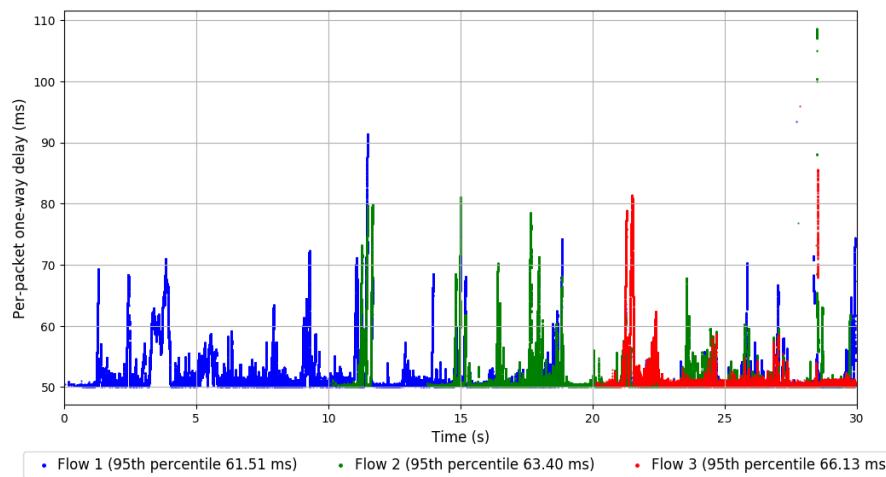
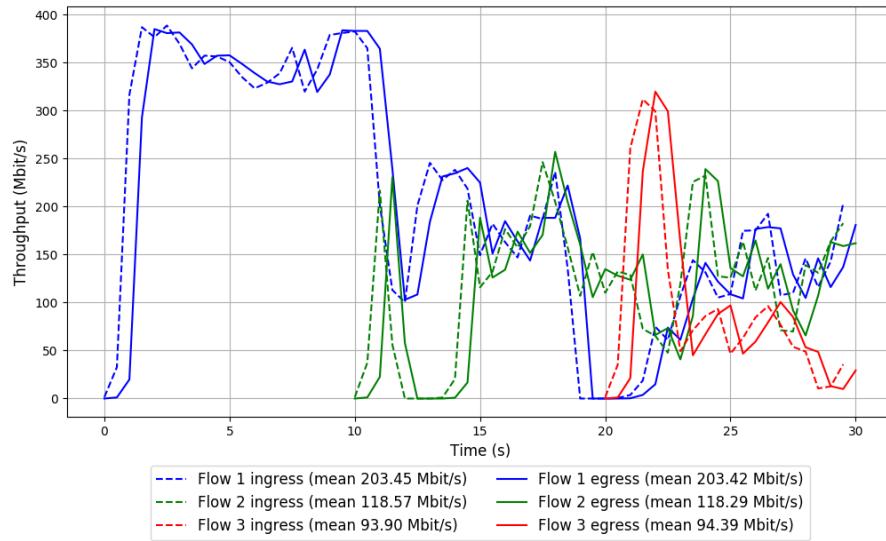


Run 9: Statistics of Copa

```
Start at: 2018-05-26 17:42:25
End at: 2018-05-26 17:42:55
Local clock offset: 0.163 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2018-05-26 18:51:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 313.24 Mbit/s
95th percentile per-packet one-way delay: 62.118 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 203.42 Mbit/s
95th percentile per-packet one-way delay: 61.513 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 118.29 Mbit/s
95th percentile per-packet one-way delay: 63.395 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 66.128 ms
Loss rate: 0.50%
```

Run 9: Report of Copa — Data Link

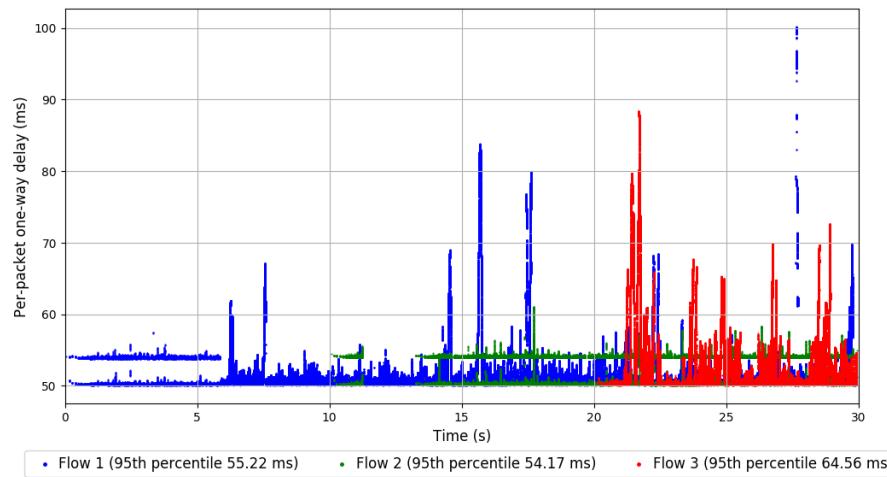
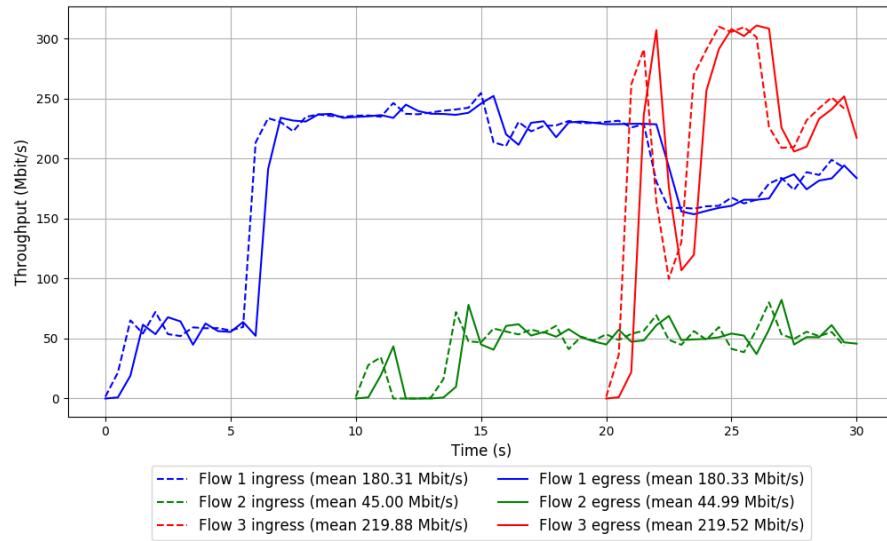


Run 10: Statistics of Copa

```
Start at: 2018-05-26 18:05:52
End at: 2018-05-26 18:06:22
Local clock offset: 0.36 ms
Remote clock offset: 0.069 ms

# Below is generated by plot.py at 2018-05-26 18:51:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 282.72 Mbit/s
95th percentile per-packet one-way delay: 58.836 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 180.33 Mbit/s
95th percentile per-packet one-way delay: 55.222 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 44.99 Mbit/s
95th percentile per-packet one-way delay: 54.168 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 219.52 Mbit/s
95th percentile per-packet one-way delay: 64.562 ms
Loss rate: 1.18%
```

Run 10: Report of Copa — Data Link

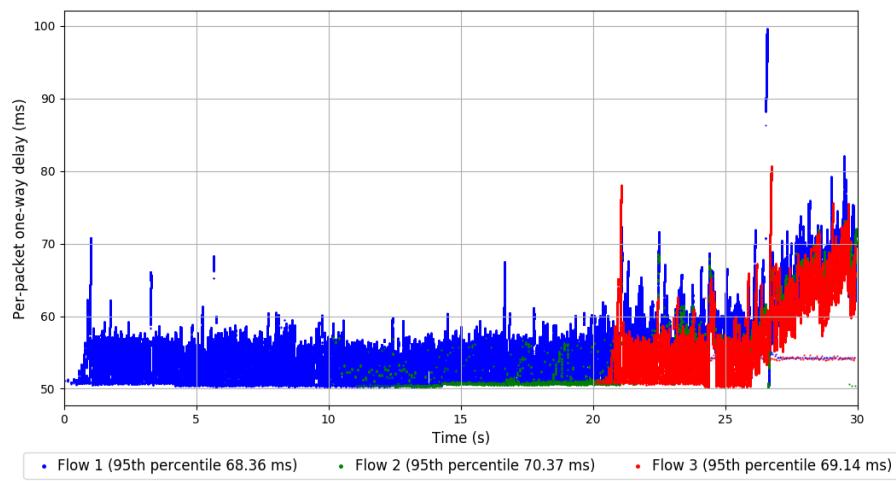
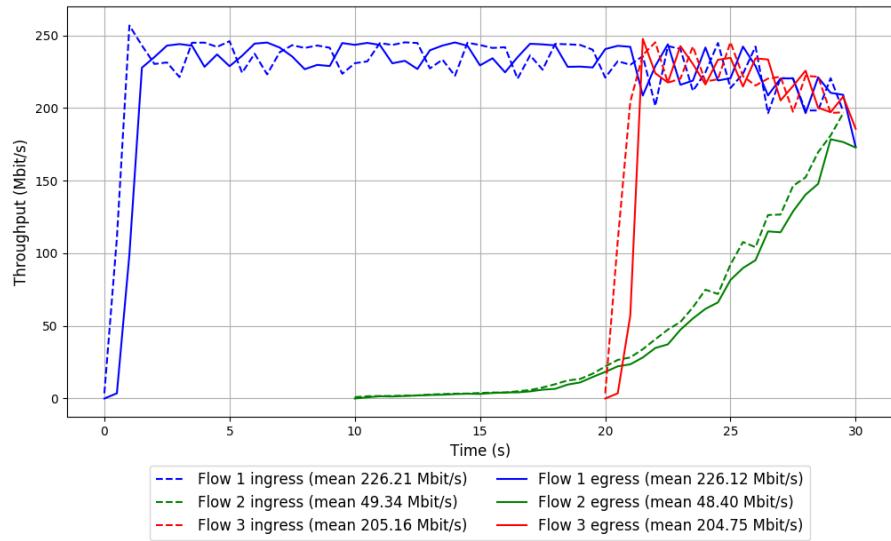


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-26 14:30:23
End at: 2018-05-26 14:30:53
Local clock offset: 0.207 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2018-05-26 18:51:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 325.55 Mbit/s
95th percentile per-packet one-way delay: 68.960 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 226.12 Mbit/s
95th percentile per-packet one-way delay: 68.364 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 48.40 Mbit/s
95th percentile per-packet one-way delay: 70.372 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 204.75 Mbit/s
95th percentile per-packet one-way delay: 69.137 ms
Loss rate: 1.21%
```

Run 1: Report of TCP Cubic — Data Link

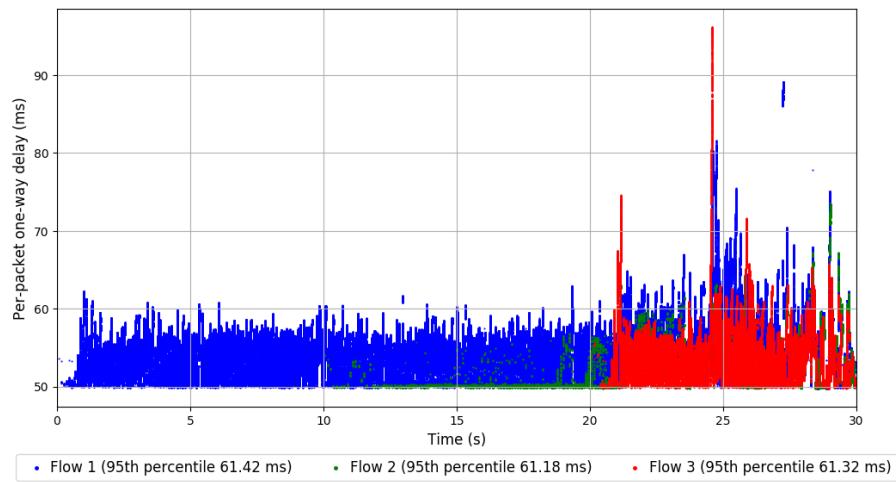
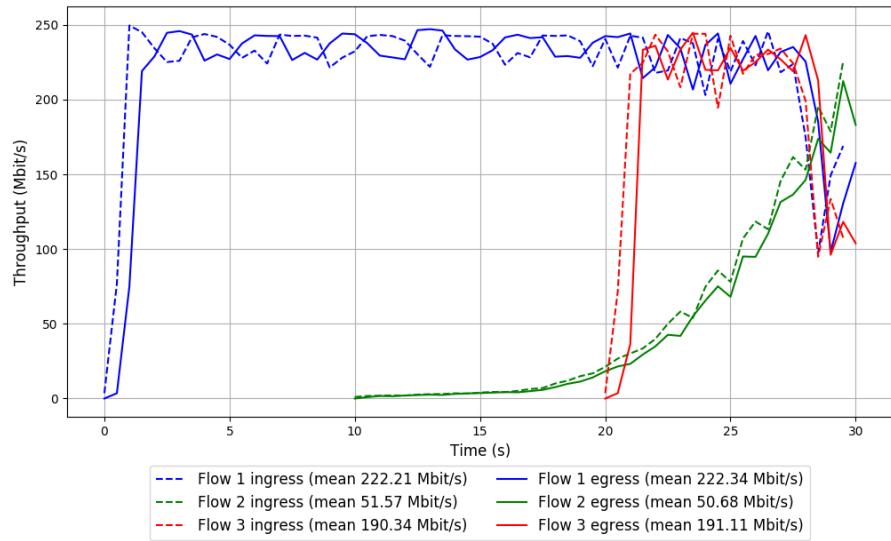


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-26 14:53:24
End at: 2018-05-26 14:53:54
Local clock offset: -0.175 ms
Remote clock offset: 0.124 ms

# Below is generated by plot.py at 2018-05-26 18:51:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 319.16 Mbit/s
95th percentile per-packet one-way delay: 61.371 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 222.34 Mbit/s
95th percentile per-packet one-way delay: 61.421 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 50.68 Mbit/s
95th percentile per-packet one-way delay: 61.181 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 191.11 Mbit/s
95th percentile per-packet one-way delay: 61.316 ms
Loss rate: 0.65%
```

Run 2: Report of TCP Cubic — Data Link

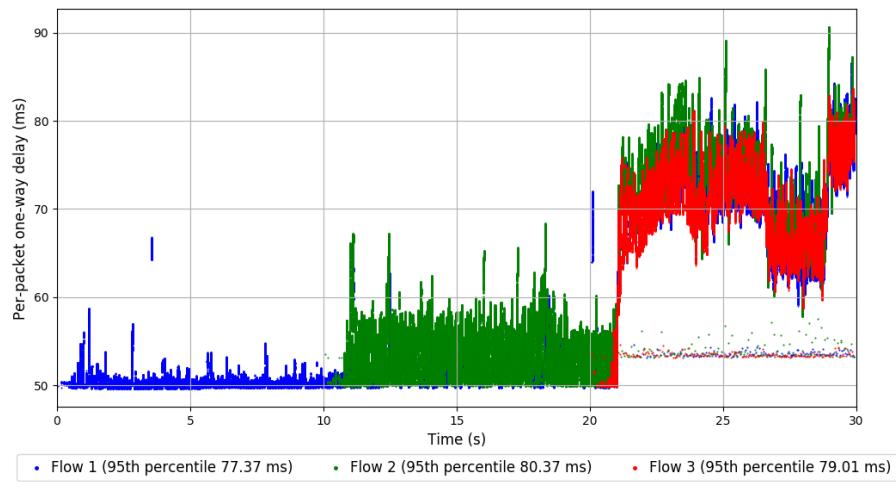
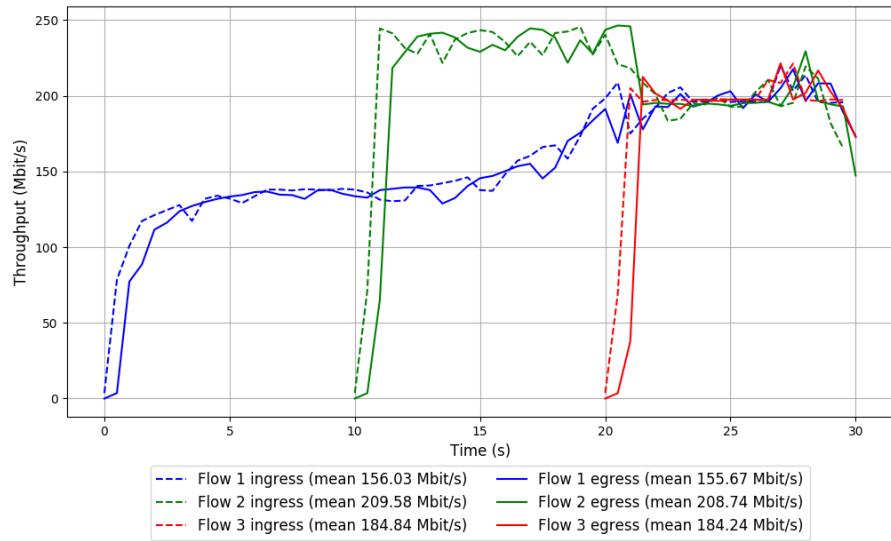


```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2018-05-26 15:16:32
End at: 2018-05-26 15:17:02
Local clock offset: -0.314 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-05-26 18:51:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 355.06 Mbit/s
95th percentile per-packet one-way delay: 78.967 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 155.67 Mbit/s
95th percentile per-packet one-way delay: 77.369 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 208.74 Mbit/s
95th percentile per-packet one-way delay: 80.374 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 184.24 Mbit/s
95th percentile per-packet one-way delay: 79.007 ms
Loss rate: 1.34%
```

Run 3: Report of TCP Cubic — Data Link

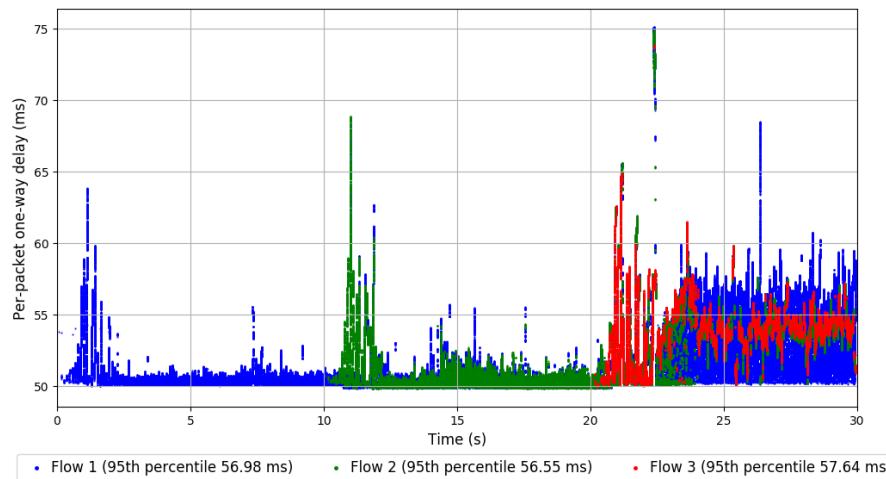
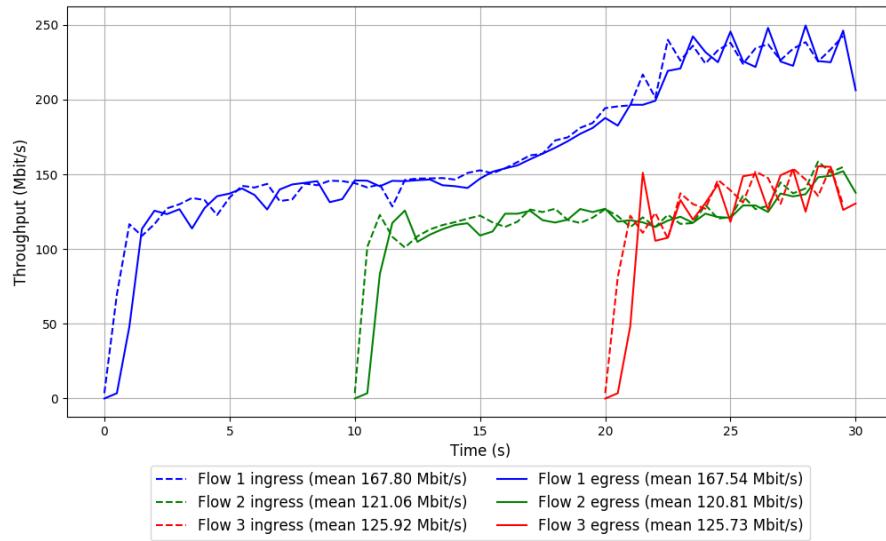


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-26 15:40:17
End at: 2018-05-26 15:40:47
Local clock offset: -0.116 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-05-26 18:51:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 289.25 Mbit/s
95th percentile per-packet one-way delay: 57.024 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 167.54 Mbit/s
95th percentile per-packet one-way delay: 56.979 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 120.81 Mbit/s
95th percentile per-packet one-way delay: 56.548 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 125.73 Mbit/s
95th percentile per-packet one-way delay: 57.638 ms
Loss rate: 1.16%
```

Run 4: Report of TCP Cubic — Data Link

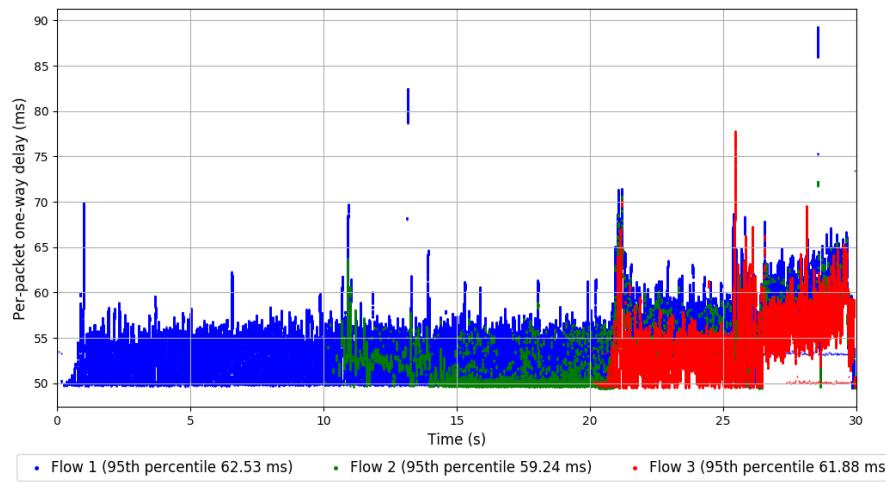
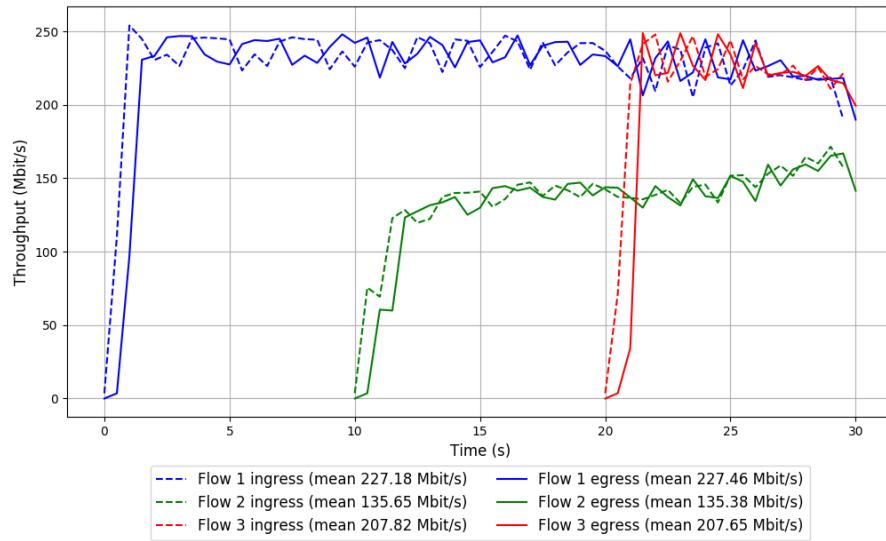


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-26 16:03:37
End at: 2018-05-26 16:04:07
Local clock offset: -0.448 ms
Remote clock offset: 0.069 ms

# Below is generated by plot.py at 2018-05-26 18:54:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.98 Mbit/s
95th percentile per-packet one-way delay: 61.802 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 227.46 Mbit/s
95th percentile per-packet one-way delay: 62.528 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 135.38 Mbit/s
95th percentile per-packet one-way delay: 59.242 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 207.65 Mbit/s
95th percentile per-packet one-way delay: 61.884 ms
Loss rate: 1.13%
```

Run 5: Report of TCP Cubic — Data Link

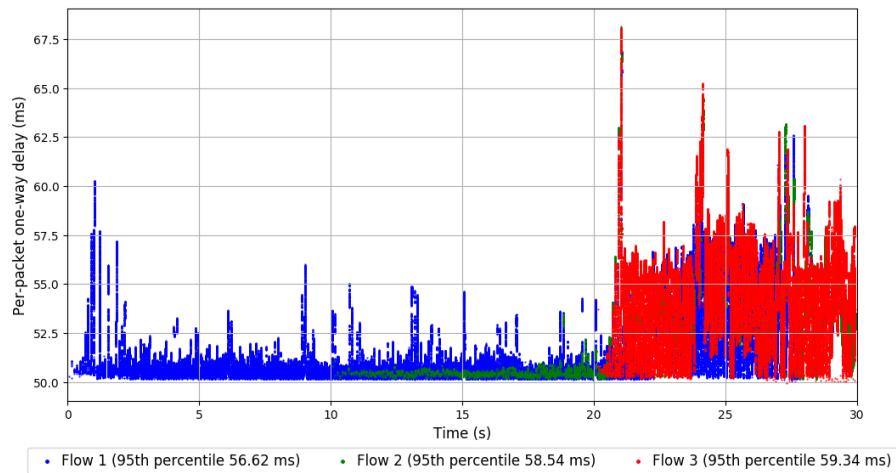
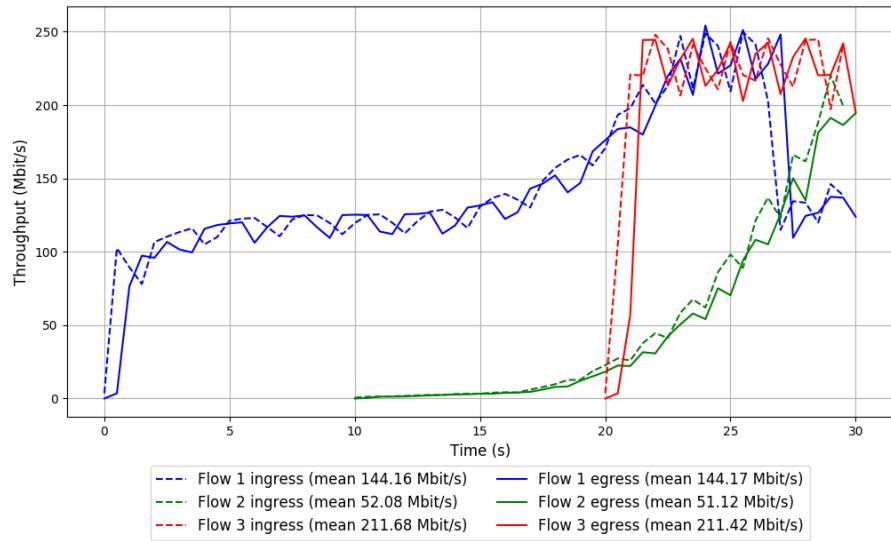


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-26 16:26:38
End at: 2018-05-26 16:27:08
Local clock offset: -0.019 ms
Remote clock offset: -0.197 ms

# Below is generated by plot.py at 2018-05-26 18:54:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 247.81 Mbit/s
95th percentile per-packet one-way delay: 57.635 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 144.17 Mbit/s
95th percentile per-packet one-way delay: 56.617 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 58.543 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 211.42 Mbit/s
95th percentile per-packet one-way delay: 59.343 ms
Loss rate: 1.17%
```

Run 6: Report of TCP Cubic — Data Link

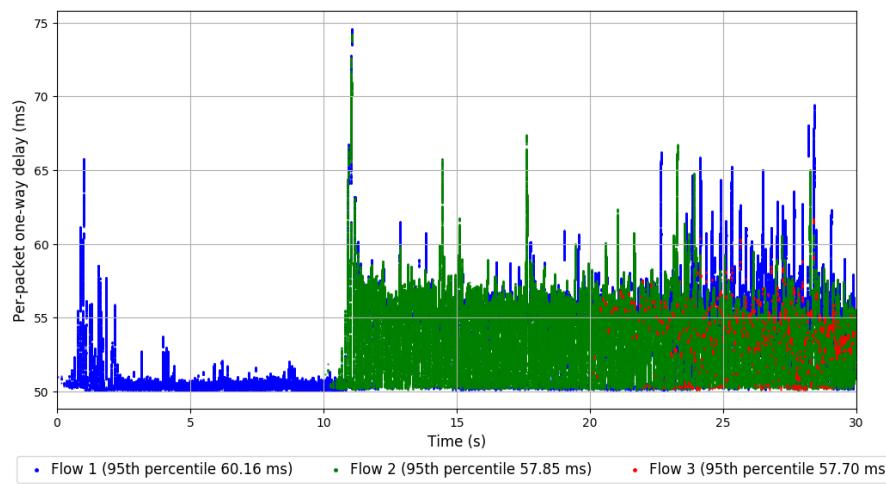
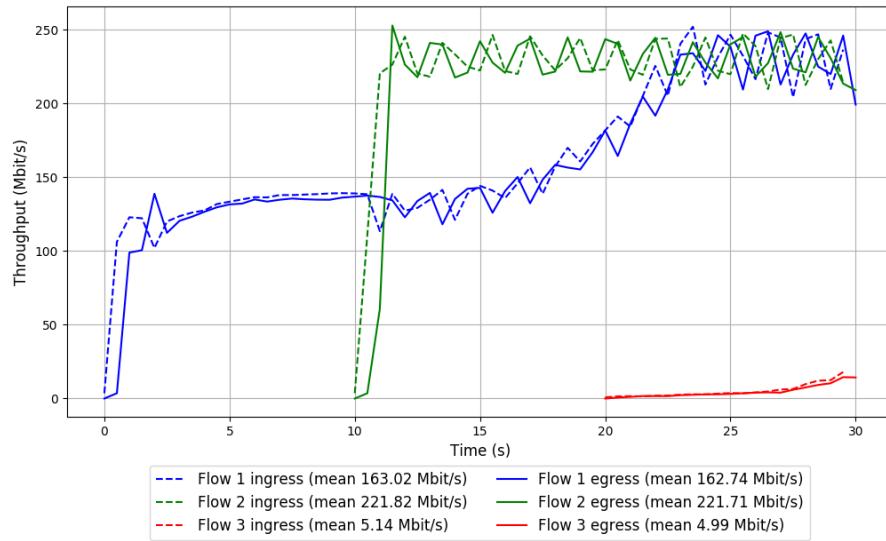


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-26 16:49:28
End at: 2018-05-26 16:49:58
Local clock offset: 0.019 ms
Remote clock offset: -0.304 ms

# Below is generated by plot.py at 2018-05-26 18:54:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 311.67 Mbit/s
95th percentile per-packet one-way delay: 59.045 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 162.74 Mbit/s
95th percentile per-packet one-way delay: 60.161 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 221.71 Mbit/s
95th percentile per-packet one-way delay: 57.847 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 4.99 Mbit/s
95th percentile per-packet one-way delay: 57.698 ms
Loss rate: 4.04%
```

Run 7: Report of TCP Cubic — Data Link

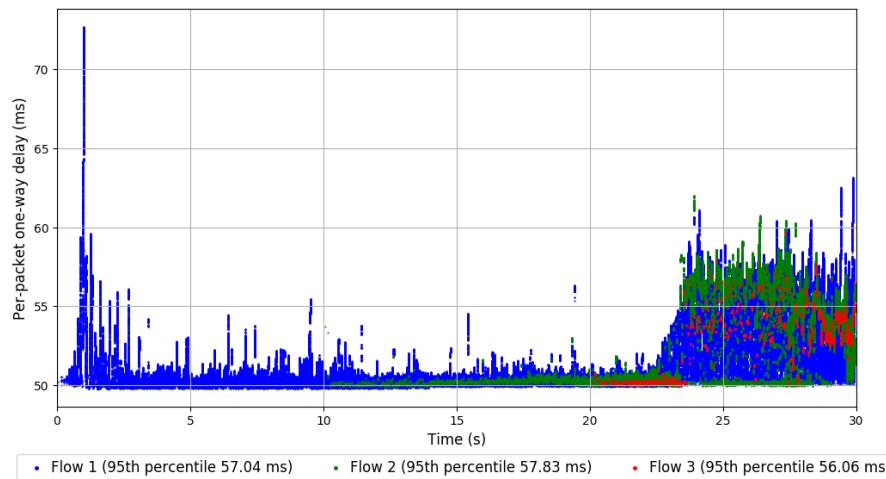
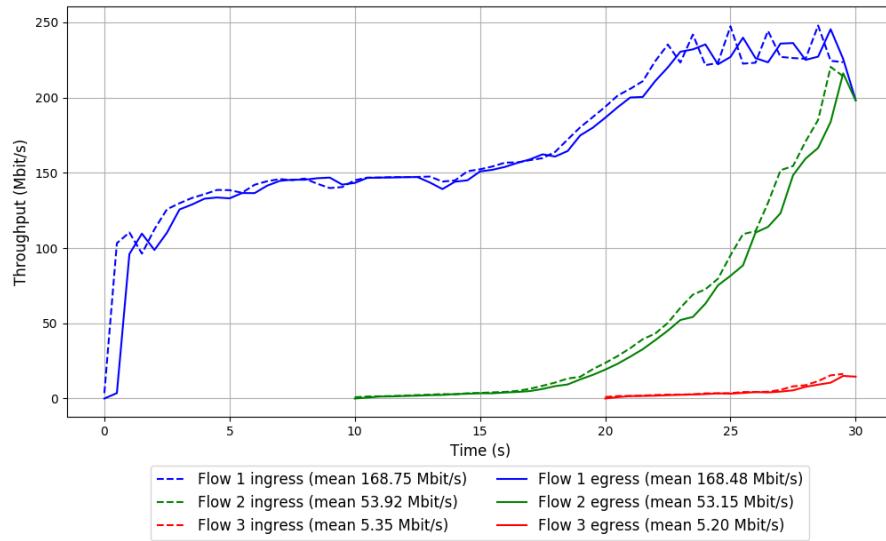


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-26 17:12:24
End at: 2018-05-26 17:12:54
Local clock offset: 0.041 ms
Remote clock offset: 0.107 ms

# Below is generated by plot.py at 2018-05-26 18:54:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 205.44 Mbit/s
95th percentile per-packet one-way delay: 57.284 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 168.48 Mbit/s
95th percentile per-packet one-way delay: 57.041 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 53.15 Mbit/s
95th percentile per-packet one-way delay: 57.831 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 5.20 Mbit/s
95th percentile per-packet one-way delay: 56.058 ms
Loss rate: 3.87%
```

Run 8: Report of TCP Cubic — Data Link

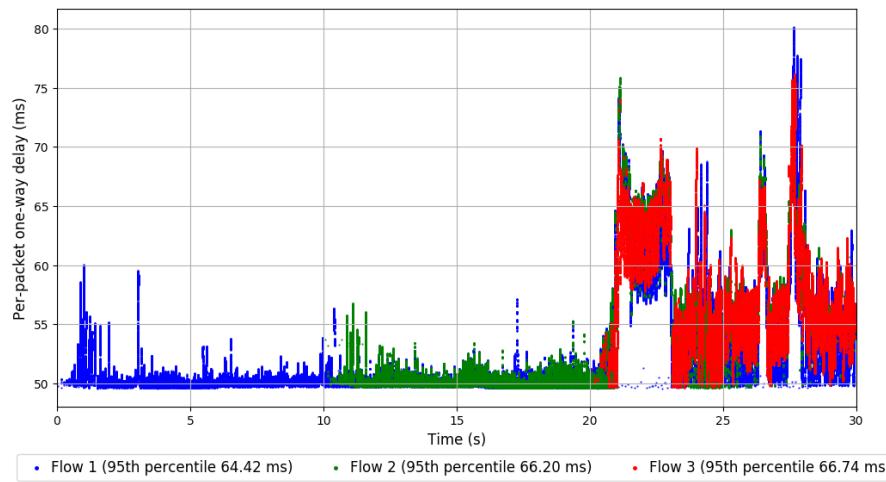
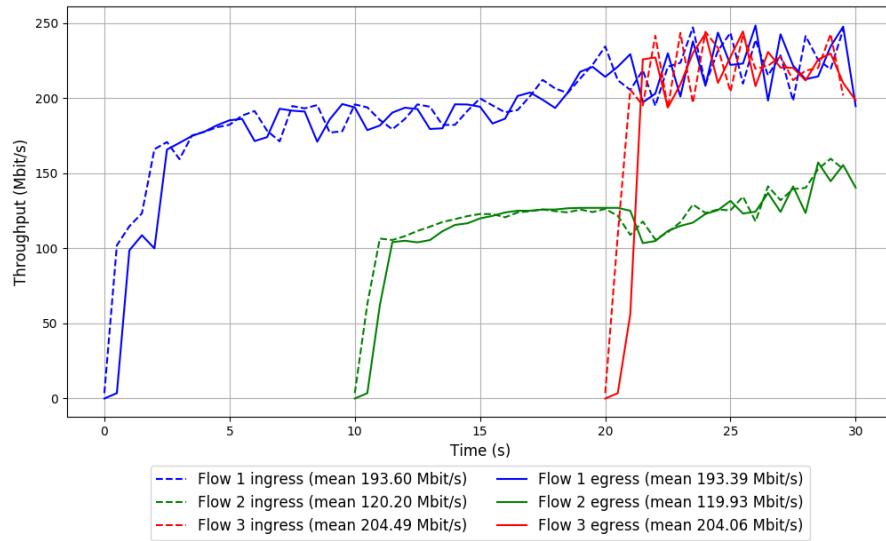


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-26 17:35:52
End at: 2018-05-26 17:36:22
Local clock offset: -0.115 ms
Remote clock offset: 0.32 ms

# Below is generated by plot.py at 2018-05-26 18:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 340.36 Mbit/s
95th percentile per-packet one-way delay: 65.593 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 193.39 Mbit/s
95th percentile per-packet one-way delay: 64.425 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 119.93 Mbit/s
95th percentile per-packet one-way delay: 66.202 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 204.06 Mbit/s
95th percentile per-packet one-way delay: 66.741 ms
Loss rate: 1.24%
```

Run 9: Report of TCP Cubic — Data Link

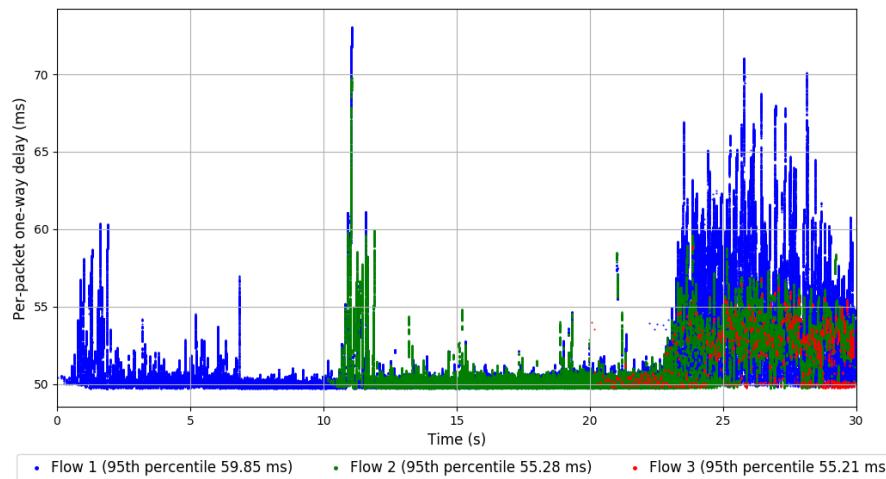
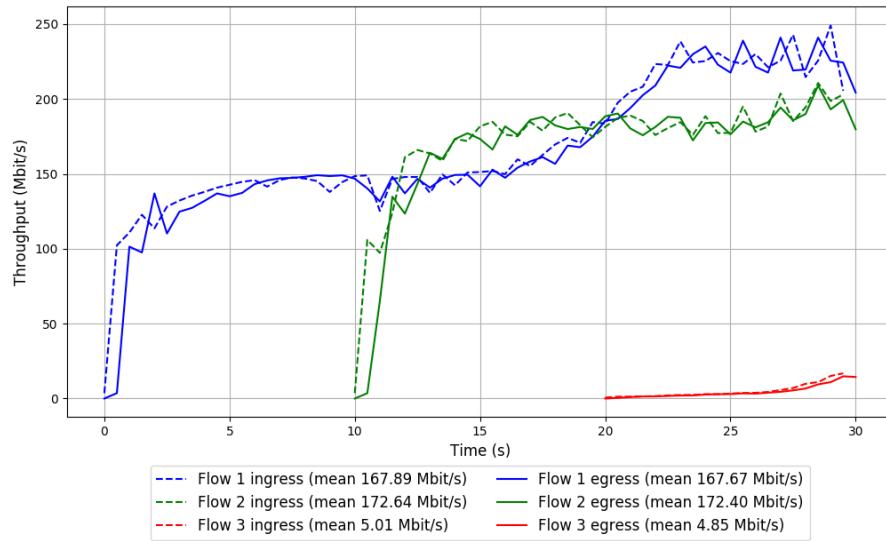


Run 10: Statistics of TCP Cubic

```
Start at: 2018-05-26 17:59:18
End at: 2018-05-26 17:59:48
Local clock offset: 0.038 ms
Remote clock offset: 0.12 ms

# Below is generated by plot.py at 2018-05-26 18:55:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 283.89 Mbit/s
95th percentile per-packet one-way delay: 58.480 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 167.67 Mbit/s
95th percentile per-packet one-way delay: 59.848 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 172.40 Mbit/s
95th percentile per-packet one-way delay: 55.276 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 55.208 ms
Loss rate: 4.19%
```

Run 10: Report of TCP Cubic — Data Link

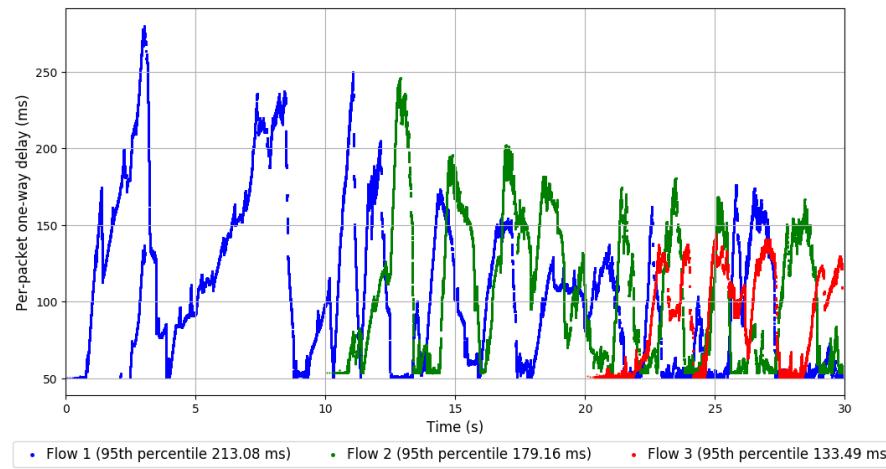
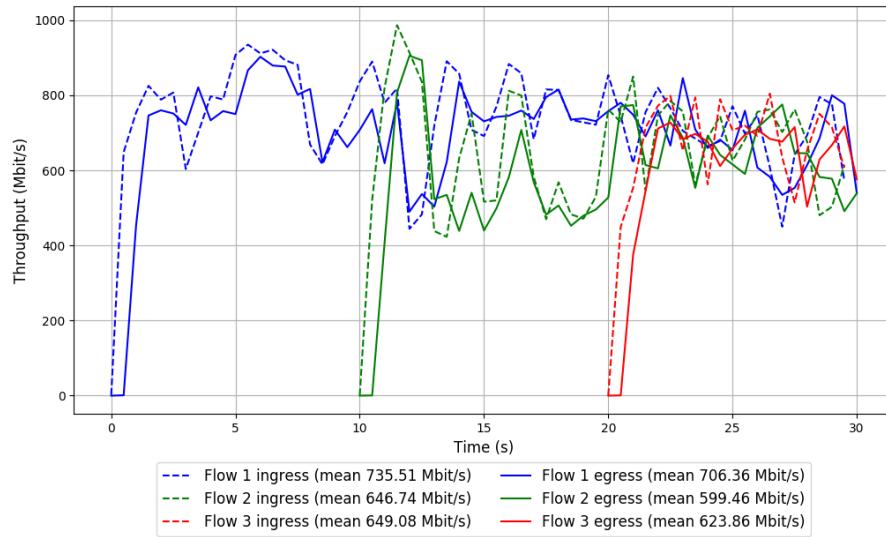


```
Run 1: Statistics of FillP

Start at: 2018-05-26 14:34:48
End at: 2018-05-26 14:35:18
Local clock offset: 0.098 ms
Remote clock offset: 0.233 ms

# Below is generated by plot.py at 2018-05-26 19:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1310.14 Mbit/s
95th percentile per-packet one-way delay: 193.941 ms
Loss rate: 5.47%
-- Flow 1:
Average throughput: 706.36 Mbit/s
95th percentile per-packet one-way delay: 213.083 ms
Loss rate: 4.28%
-- Flow 2:
Average throughput: 599.46 Mbit/s
95th percentile per-packet one-way delay: 179.158 ms
Loss rate: 7.80%
-- Flow 3:
Average throughput: 623.86 Mbit/s
95th percentile per-packet one-way delay: 133.487 ms
Loss rate: 4.87%
```

Run 1: Report of FillP — Data Link

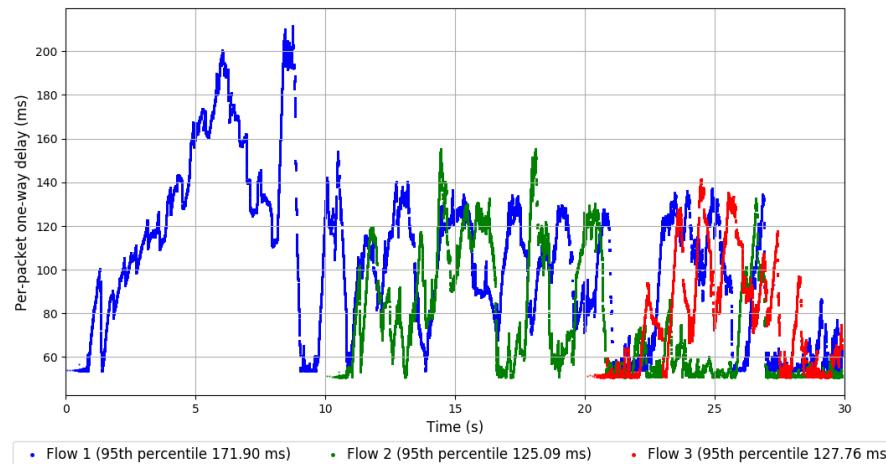
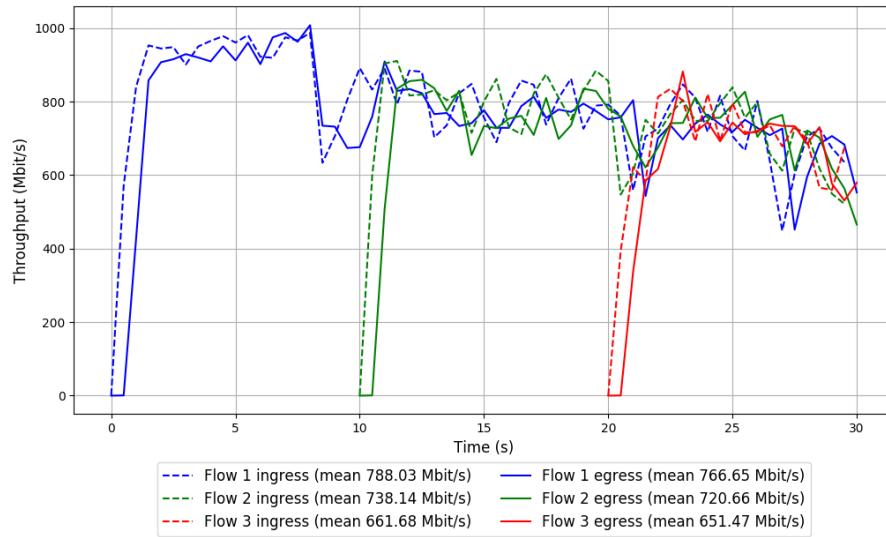


Run 2: Statistics of FillP

```
Start at: 2018-05-26 14:57:53
End at: 2018-05-26 14:58:23
Local clock offset: 0.37 ms
Remote clock offset: -0.205 ms

# Below is generated by plot.py at 2018-05-26 19:24:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1459.92 Mbit/s
95th percentile per-packet one-way delay: 158.889 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 766.65 Mbit/s
95th percentile per-packet one-way delay: 171.904 ms
Loss rate: 3.06%
-- Flow 2:
Average throughput: 720.66 Mbit/s
95th percentile per-packet one-way delay: 125.088 ms
Loss rate: 2.85%
-- Flow 3:
Average throughput: 651.47 Mbit/s
95th percentile per-packet one-way delay: 127.760 ms
Loss rate: 2.55%
```

Run 2: Report of FillP — Data Link

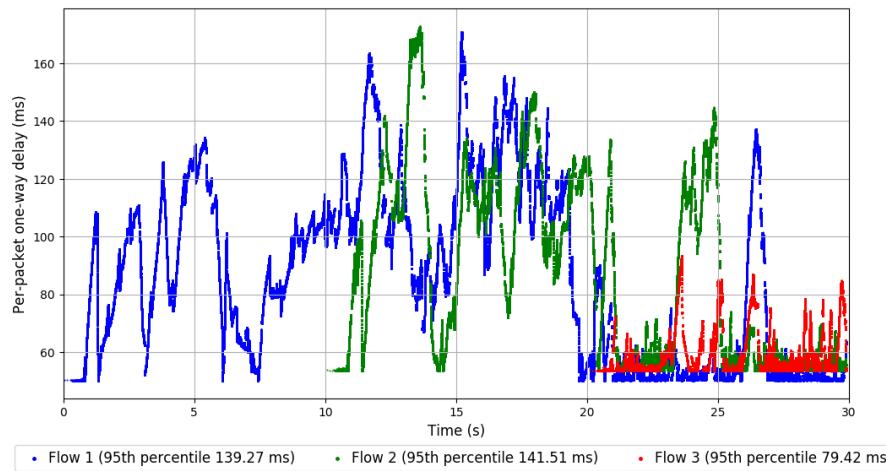
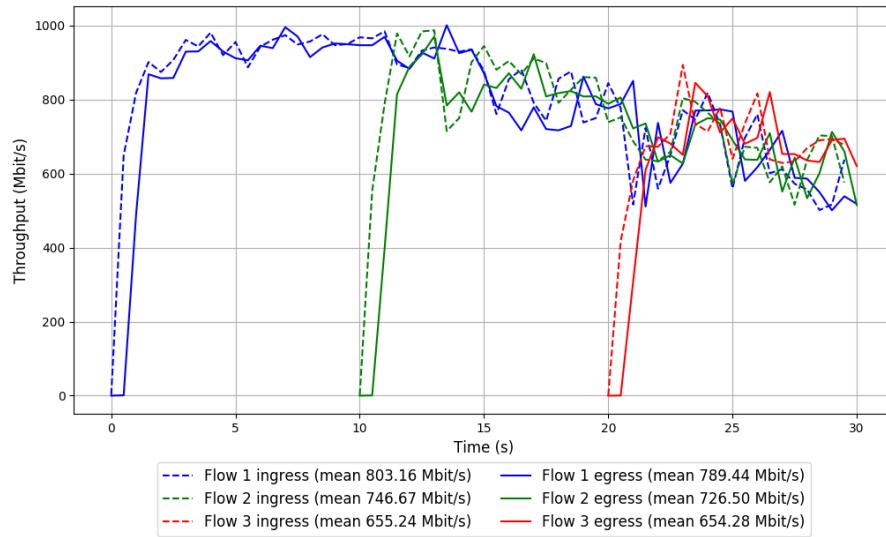


```
Run 3: Statistics of FillP
```

```
Start at: 2018-05-26 15:21:04
End at: 2018-05-26 15:21:34
Local clock offset: -0.003 ms
Remote clock offset: 0.044 ms

# Below is generated by plot.py at 2018-05-26 19:25:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1486.94 Mbit/s
95th percentile per-packet one-way delay: 137.849 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 789.44 Mbit/s
95th percentile per-packet one-way delay: 139.271 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 726.50 Mbit/s
95th percentile per-packet one-way delay: 141.510 ms
Loss rate: 3.23%
-- Flow 3:
Average throughput: 654.28 Mbit/s
95th percentile per-packet one-way delay: 79.418 ms
Loss rate: 1.22%
```

Run 3: Report of FillP — Data Link

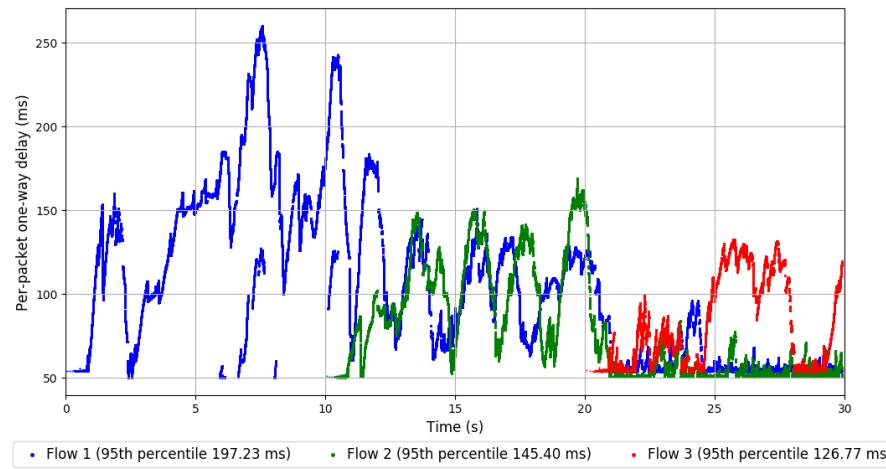
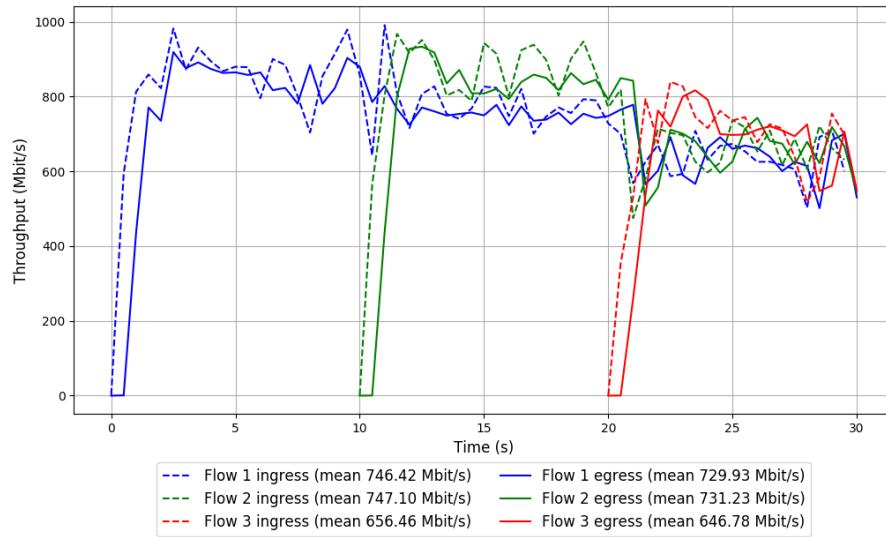


Run 4: Statistics of FillP

```
Start at: 2018-05-26 15:44:44
End at: 2018-05-26 15:45:14
Local clock offset: 0.06 ms
Remote clock offset: 0.154 ms

# Below is generated by plot.py at 2018-05-26 19:25:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1428.90 Mbit/s
95th percentile per-packet one-way delay: 173.911 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 729.93 Mbit/s
95th percentile per-packet one-way delay: 197.233 ms
Loss rate: 2.55%
-- Flow 2:
Average throughput: 731.23 Mbit/s
95th percentile per-packet one-way delay: 145.396 ms
Loss rate: 2.59%
-- Flow 3:
Average throughput: 646.78 Mbit/s
95th percentile per-packet one-way delay: 126.767 ms
Loss rate: 2.51%
```

Run 4: Report of FillP — Data Link

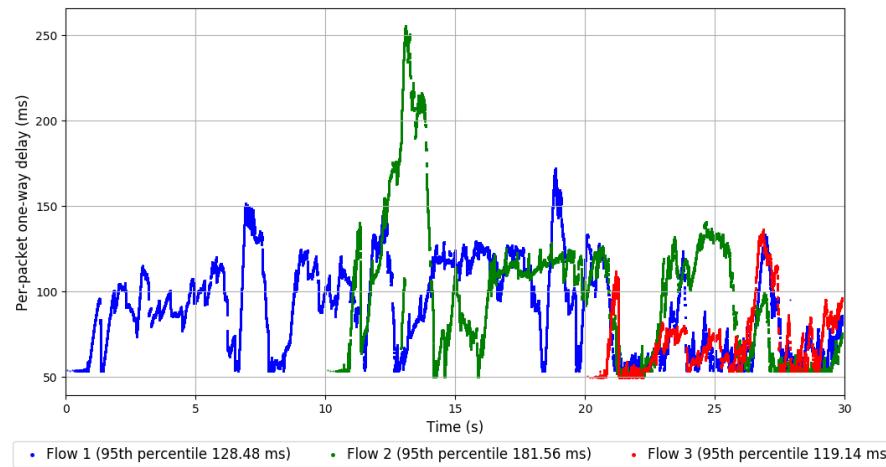
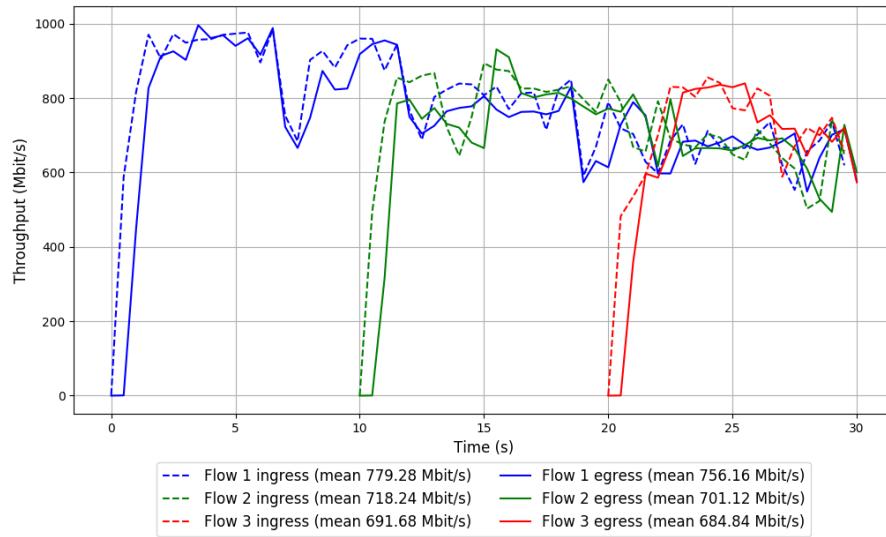


Run 5: Statistics of FillP

```
Start at: 2018-05-26 16:08:02
End at: 2018-05-26 16:08:32
Local clock offset: -0.274 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-05-26 19:26:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1447.18 Mbit/s
95th percentile per-packet one-way delay: 133.826 ms
Loss rate: 2.97%
-- Flow 1:
Average throughput: 756.16 Mbit/s
95th percentile per-packet one-way delay: 128.477 ms
Loss rate: 3.31%
-- Flow 2:
Average throughput: 701.12 Mbit/s
95th percentile per-packet one-way delay: 181.560 ms
Loss rate: 2.88%
-- Flow 3:
Average throughput: 684.84 Mbit/s
95th percentile per-packet one-way delay: 119.142 ms
Loss rate: 2.01%
```

Run 5: Report of FillP — Data Link

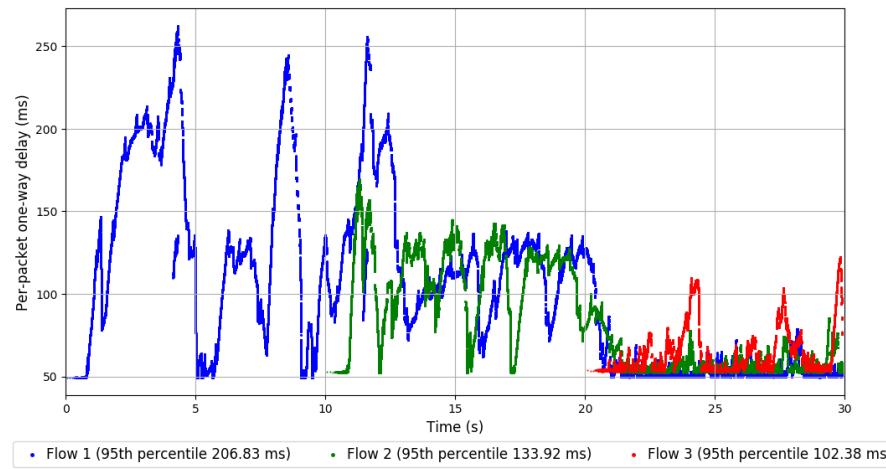
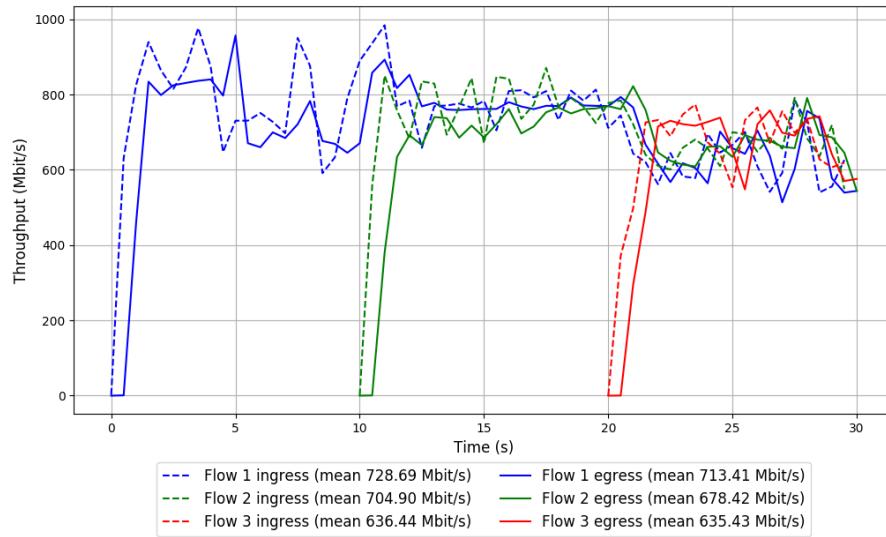


Run 6: Statistics of FillP

```
Start at: 2018-05-26 16:31:05
End at: 2018-05-26 16:31:35
Local clock offset: -0.162 ms
Remote clock offset: 0.357 ms

# Below is generated by plot.py at 2018-05-26 19:26:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1372.99 Mbit/s
95th percentile per-packet one-way delay: 194.470 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 713.41 Mbit/s
95th percentile per-packet one-way delay: 206.828 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 678.42 Mbit/s
95th percentile per-packet one-way delay: 133.924 ms
Loss rate: 4.25%
-- Flow 3:
Average throughput: 635.43 Mbit/s
95th percentile per-packet one-way delay: 102.375 ms
Loss rate: 1.22%
```

Run 6: Report of FillP — Data Link

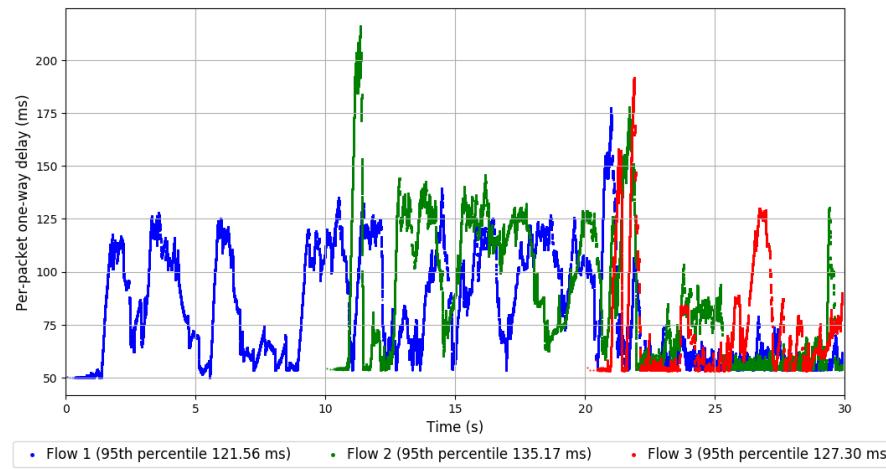
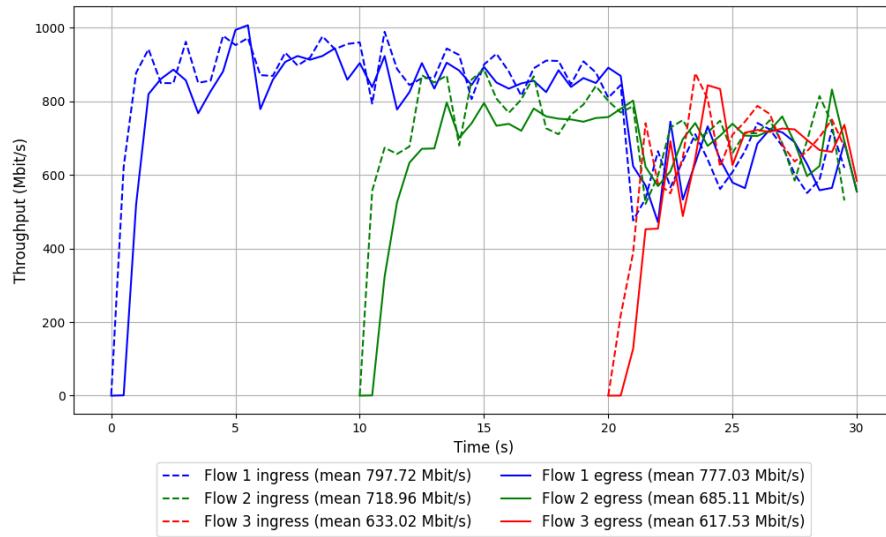


Run 7: Statistics of FillP

```
Start at: 2018-05-26 16:53:51
End at: 2018-05-26 16:54:21
Local clock offset: 0.014 ms
Remote clock offset: -0.249 ms

# Below is generated by plot.py at 2018-05-26 19:28:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1435.20 Mbit/s
95th percentile per-packet one-way delay: 128.234 ms
Loss rate: 3.73%
-- Flow 1:
Average throughput: 777.03 Mbit/s
95th percentile per-packet one-way delay: 121.557 ms
Loss rate: 2.92%
-- Flow 2:
Average throughput: 685.11 Mbit/s
95th percentile per-packet one-way delay: 135.173 ms
Loss rate: 5.20%
-- Flow 3:
Average throughput: 617.53 Mbit/s
95th percentile per-packet one-way delay: 127.301 ms
Loss rate: 3.47%
```

Run 7: Report of FillP — Data Link

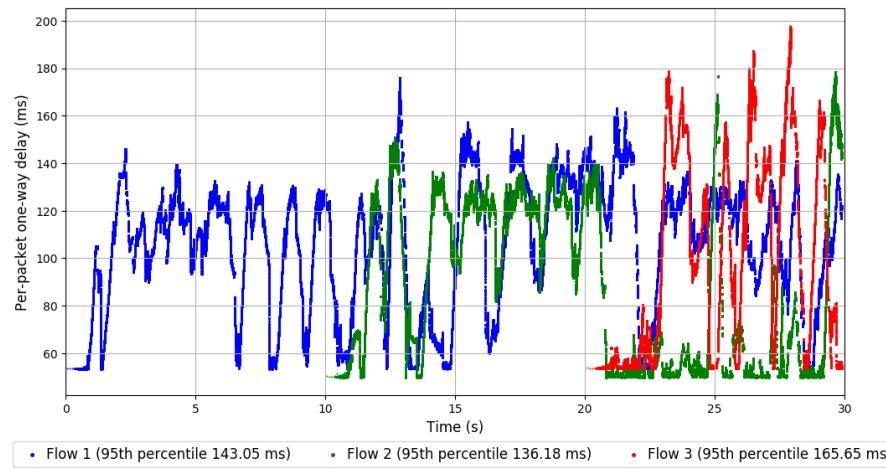
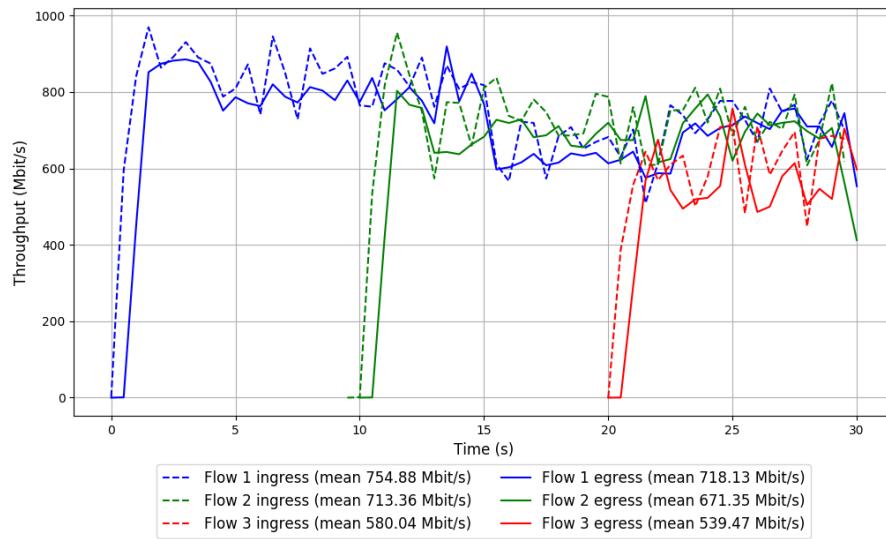


Run 8: Statistics of FillP

```
Start at: 2018-05-26 17:16:44
End at: 2018-05-26 17:17:14
Local clock offset: -0.145 ms
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2018-05-26 19:28:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1342.00 Mbit/s
95th percentile per-packet one-way delay: 145.434 ms
Loss rate: 5.97%
-- Flow 1:
Average throughput: 718.13 Mbit/s
95th percentile per-packet one-way delay: 143.050 ms
Loss rate: 5.21%
-- Flow 2:
Average throughput: 671.35 Mbit/s
95th percentile per-packet one-way delay: 136.184 ms
Loss rate: 6.37%
-- Flow 3:
Average throughput: 539.47 Mbit/s
95th percentile per-packet one-way delay: 165.653 ms
Loss rate: 7.99%
```

Run 8: Report of FillP — Data Link

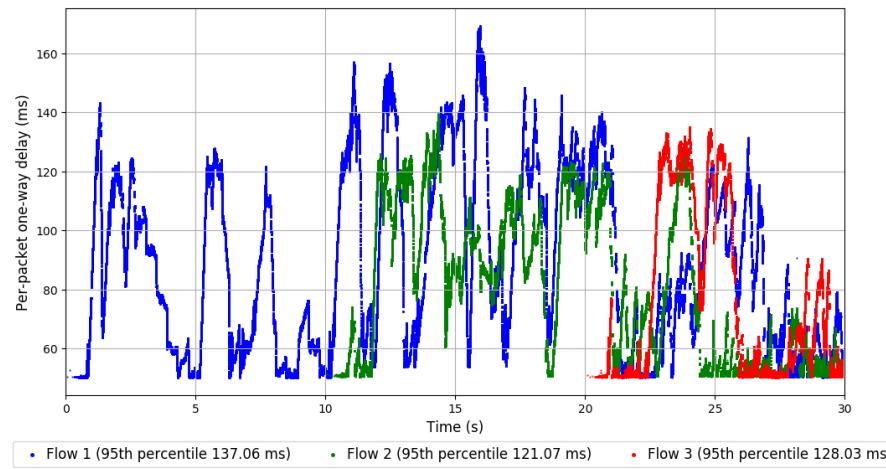
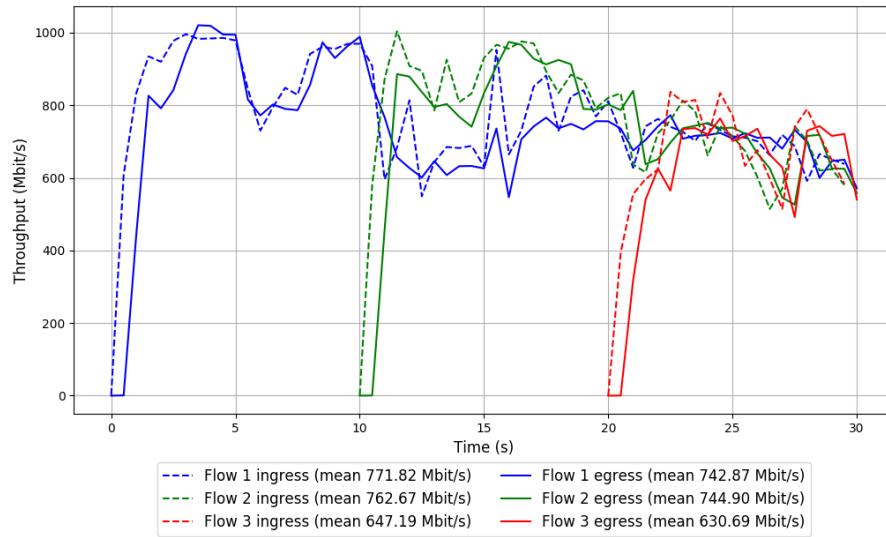


Run 9: Statistics of FillP

```
Start at: 2018-05-26 17:40:17
End at: 2018-05-26 17:40:47
Local clock offset: 0.242 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2018-05-26 19:55:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1445.46 Mbit/s
95th percentile per-packet one-way delay: 130.465 ms
Loss rate: 3.57%
-- Flow 1:
Average throughput: 742.87 Mbit/s
95th percentile per-packet one-way delay: 137.060 ms
Loss rate: 4.06%
-- Flow 2:
Average throughput: 744.90 Mbit/s
95th percentile per-packet one-way delay: 121.069 ms
Loss rate: 2.83%
-- Flow 3:
Average throughput: 630.69 Mbit/s
95th percentile per-packet one-way delay: 128.033 ms
Loss rate: 3.56%
```

Run 9: Report of FillP — Data Link

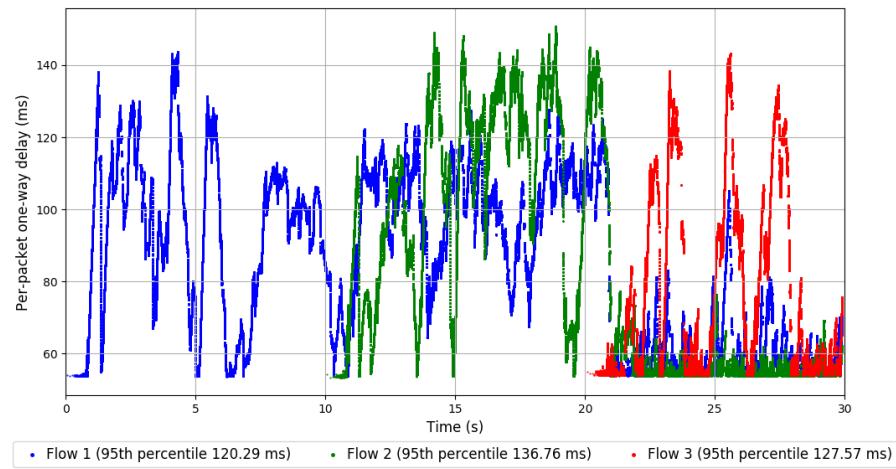
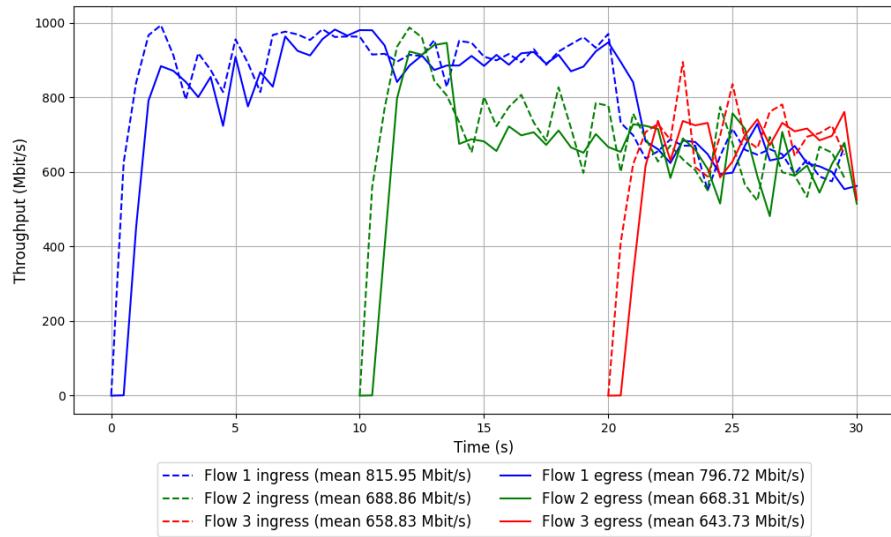


Run 10: Statistics of FillP

```
Start at: 2018-05-26 18:03:43
End at: 2018-05-26 18:04:13
Local clock offset: 0.209 ms
Remote clock offset: 0.043 ms

# Below is generated by plot.py at 2018-05-26 19:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1452.91 Mbit/s
95th percentile per-packet one-way delay: 129.316 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 796.72 Mbit/s
95th percentile per-packet one-way delay: 120.291 ms
Loss rate: 2.70%
-- Flow 2:
Average throughput: 668.31 Mbit/s
95th percentile per-packet one-way delay: 136.756 ms
Loss rate: 3.50%
-- Flow 3:
Average throughput: 643.73 Mbit/s
95th percentile per-packet one-way delay: 127.567 ms
Loss rate: 3.34%
```

Run 10: Report of FillP — Data Link

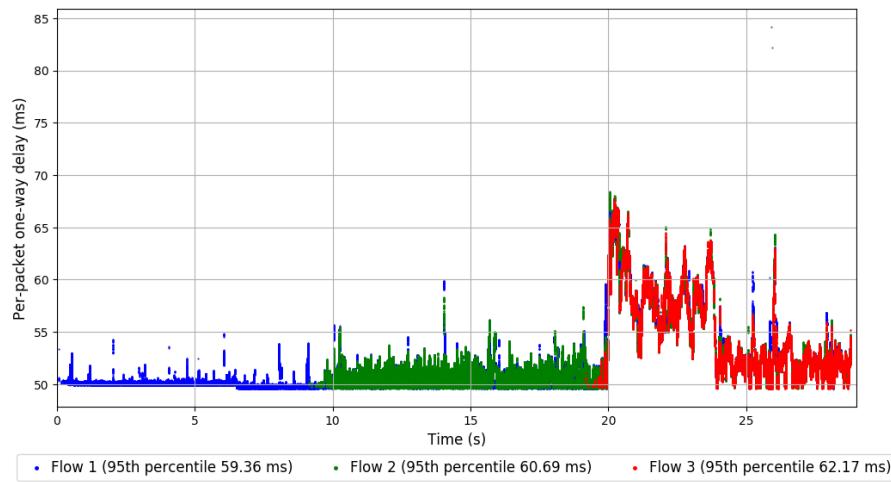
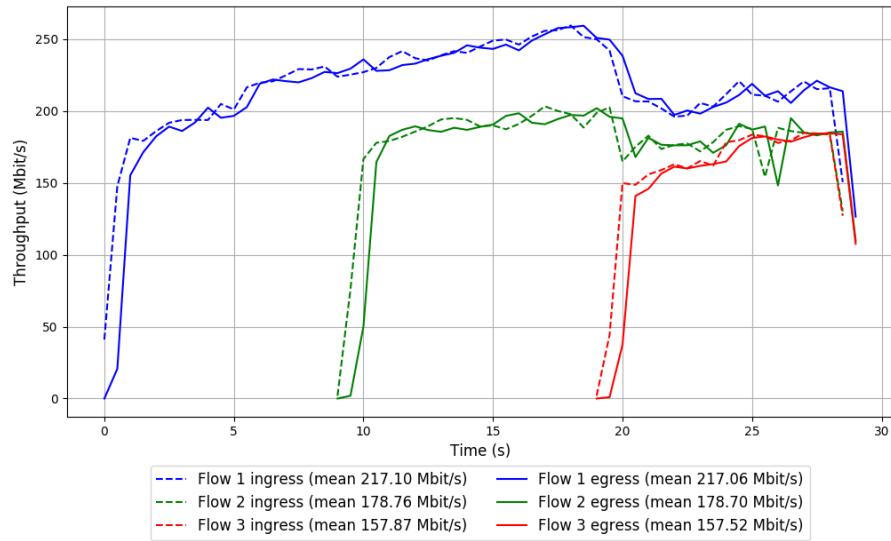


Run 1: Statistics of Indigo

```
Start at: 2018-05-26 14:19:30
End at: 2018-05-26 14:20:00
Local clock offset: -0.003 ms
Remote clock offset: 0.254 ms

# Below is generated by plot.py at 2018-05-26 19:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 392.01 Mbit/s
95th percentile per-packet one-way delay: 60.448 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 217.06 Mbit/s
95th percentile per-packet one-way delay: 59.363 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 178.70 Mbit/s
95th percentile per-packet one-way delay: 60.692 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 157.52 Mbit/s
95th percentile per-packet one-way delay: 62.172 ms
Loss rate: 1.25%
```

Run 1: Report of Indigo — Data Link

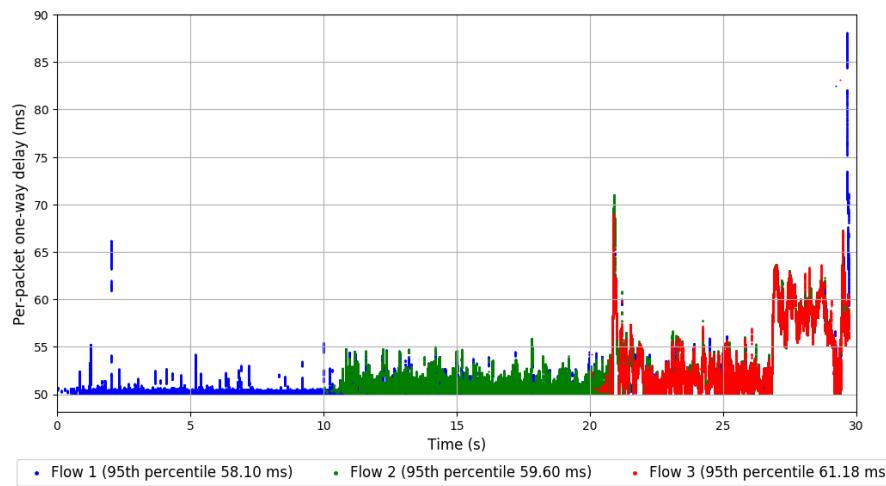
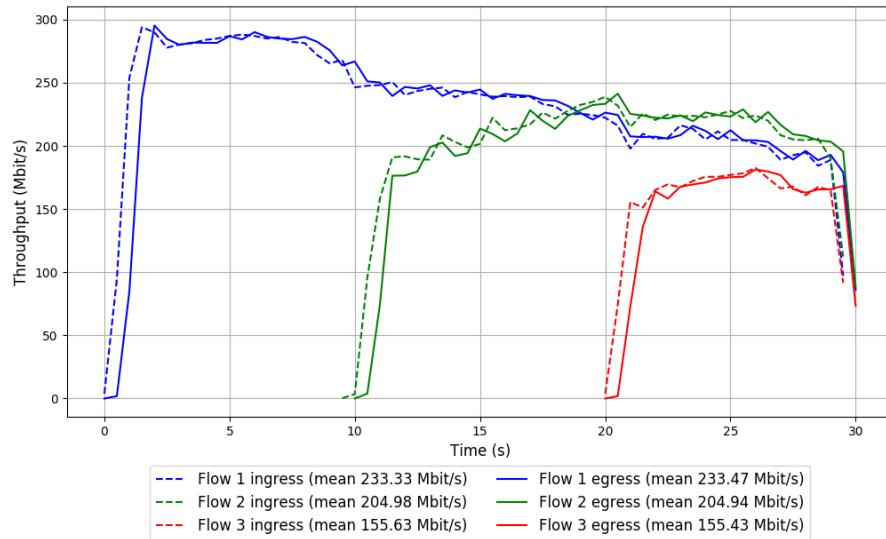


Run 2: Statistics of Indigo

```
Start at: 2018-05-26 14:42:32
End at: 2018-05-26 14:43:02
Local clock offset: 0.124 ms
Remote clock offset: 0.071 ms

# Below is generated by plot.py at 2018-05-26 19:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 420.07 Mbit/s
95th percentile per-packet one-way delay: 59.348 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 233.47 Mbit/s
95th percentile per-packet one-way delay: 58.100 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 204.94 Mbit/s
95th percentile per-packet one-way delay: 59.605 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 155.43 Mbit/s
95th percentile per-packet one-way delay: 61.183 ms
Loss rate: 1.16%
```

Run 2: Report of Indigo — Data Link

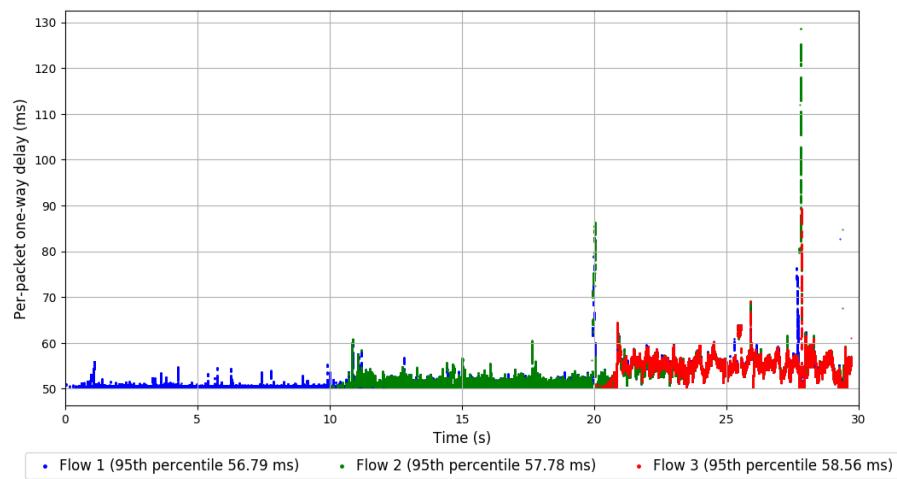
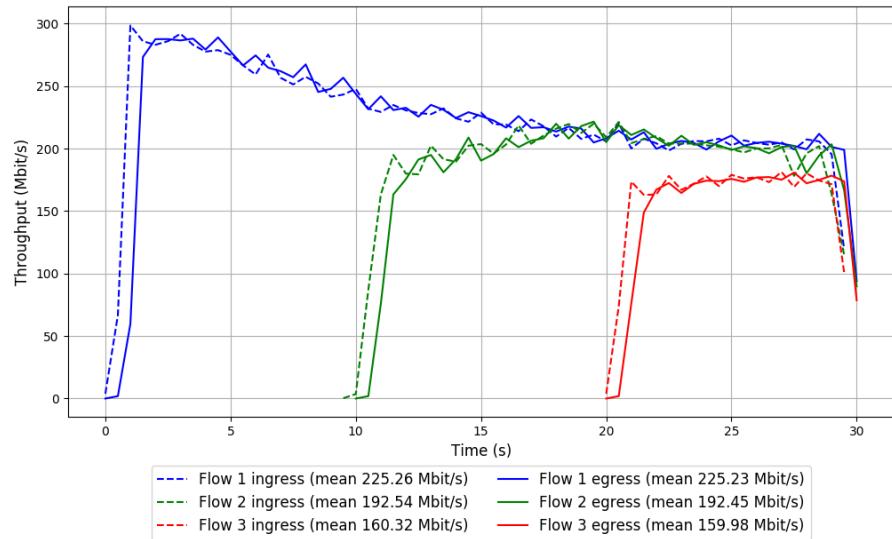


Run 3: Statistics of Indigo

```
Start at: 2018-05-26 15:05:39
End at: 2018-05-26 15:06:09
Local clock offset: 0.281 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-05-26 19:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 404.83 Mbit/s
95th percentile per-packet one-way delay: 57.540 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 225.23 Mbit/s
95th percentile per-packet one-way delay: 56.786 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 192.45 Mbit/s
95th percentile per-packet one-way delay: 57.776 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 159.98 Mbit/s
95th percentile per-packet one-way delay: 58.562 ms
Loss rate: 1.19%
```

Run 3: Report of Indigo — Data Link

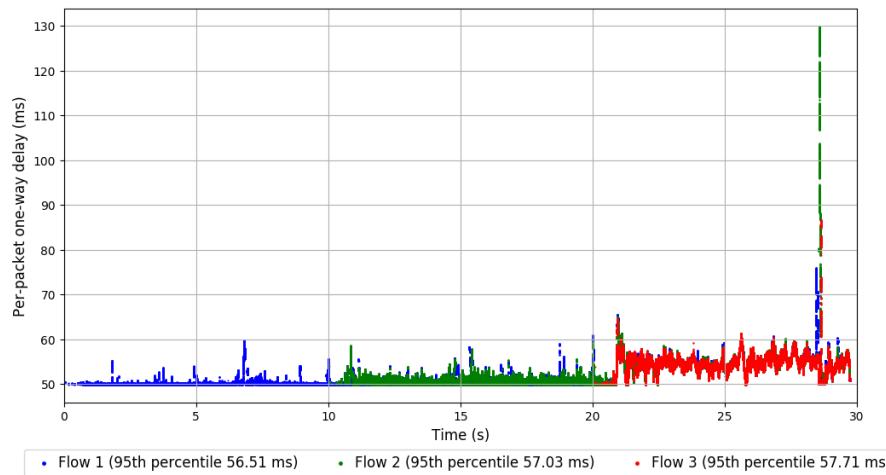
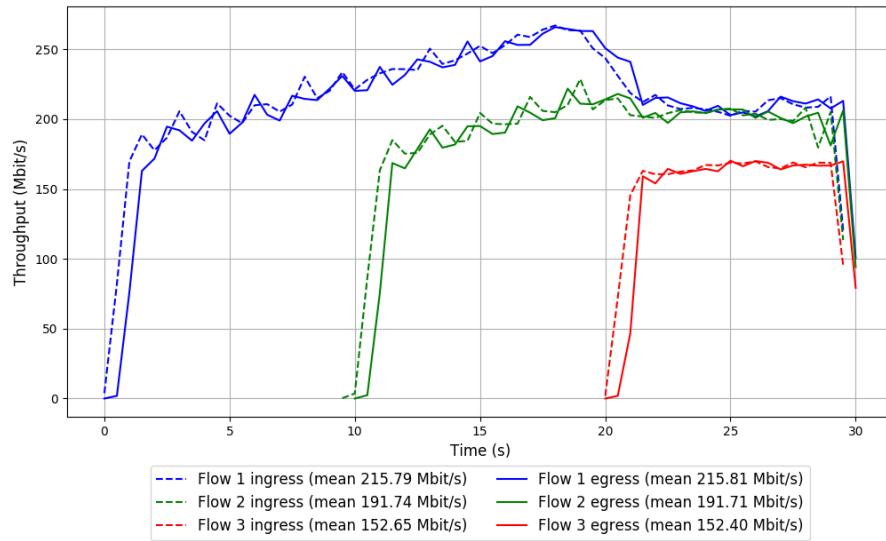


Run 4: Statistics of Indigo

```
Start at: 2018-05-26 15:28:50
End at: 2018-05-26 15:29:20
Local clock offset: -0.099 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-05-26 19:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 392.37 Mbit/s
95th percentile per-packet one-way delay: 56.901 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 215.81 Mbit/s
95th percentile per-packet one-way delay: 56.509 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 191.71 Mbit/s
95th percentile per-packet one-way delay: 57.034 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 152.40 Mbit/s
95th percentile per-packet one-way delay: 57.707 ms
Loss rate: 1.19%
```

Run 4: Report of Indigo — Data Link

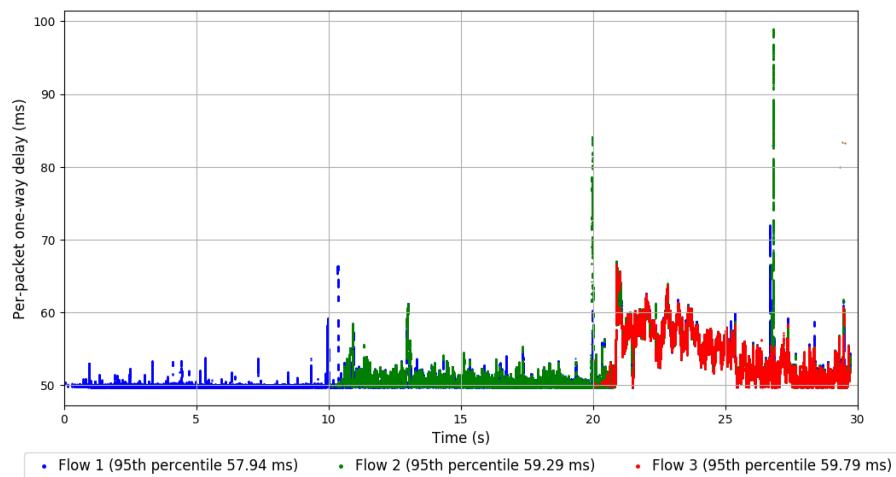
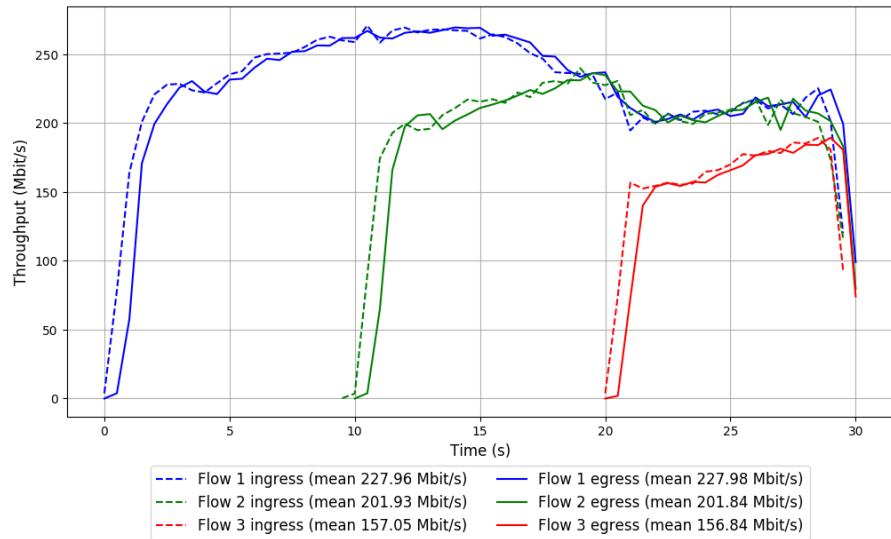


Run 5: Statistics of Indigo

```
Start at: 2018-05-26 15:52:34
End at: 2018-05-26 15:53:04
Local clock offset: -0.169 ms
Remote clock offset: 0.229 ms

# Below is generated by plot.py at 2018-05-26 19:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 412.74 Mbit/s
95th percentile per-packet one-way delay: 58.886 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 227.98 Mbit/s
95th percentile per-packet one-way delay: 57.943 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 201.84 Mbit/s
95th percentile per-packet one-way delay: 59.294 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 156.84 Mbit/s
95th percentile per-packet one-way delay: 59.794 ms
Loss rate: 1.25%
```

Run 5: Report of Indigo — Data Link

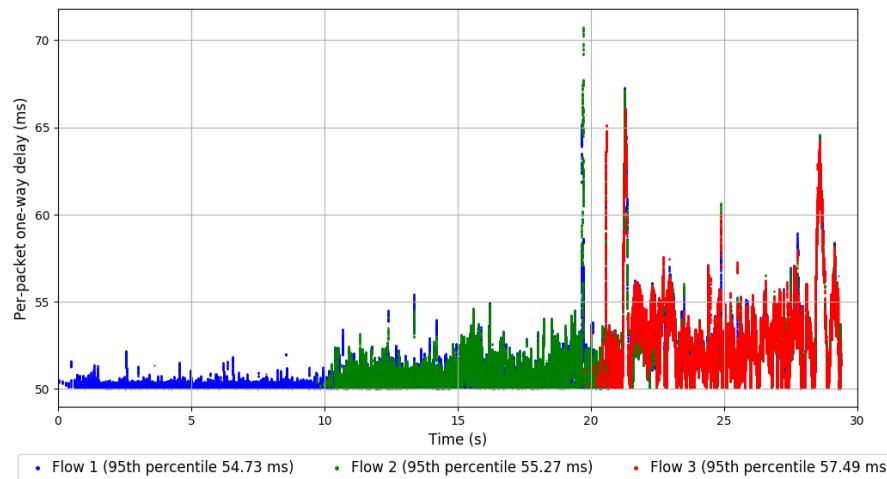
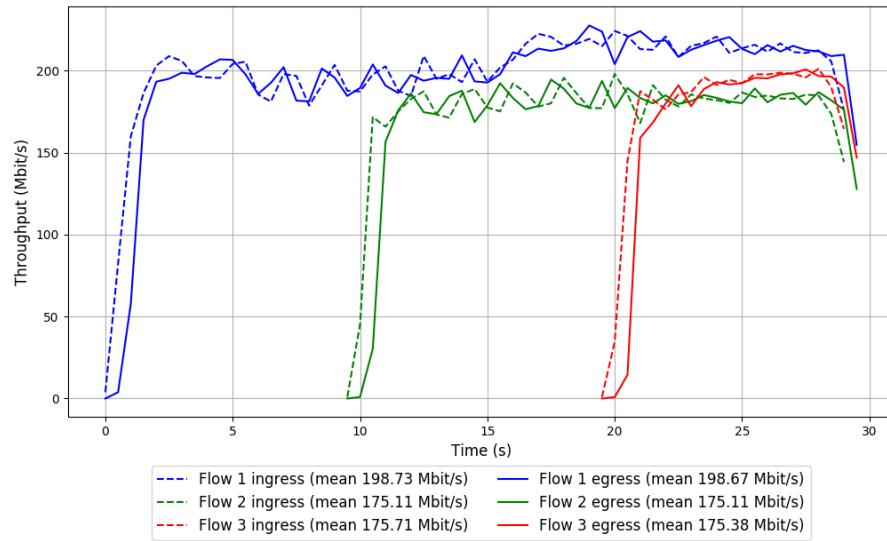


Run 6: Statistics of Indigo

```
Start at: 2018-05-26 16:15:35
End at: 2018-05-26 16:16:05
Local clock offset: -0.172 ms
Remote clock offset: -0.206 ms

# Below is generated by plot.py at 2018-05-26 19:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 373.55 Mbit/s
95th percentile per-packet one-way delay: 55.333 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 198.67 Mbit/s
95th percentile per-packet one-way delay: 54.731 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 175.11 Mbit/s
95th percentile per-packet one-way delay: 55.266 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 175.38 Mbit/s
95th percentile per-packet one-way delay: 57.494 ms
Loss rate: 1.21%
```

Run 6: Report of Indigo — Data Link

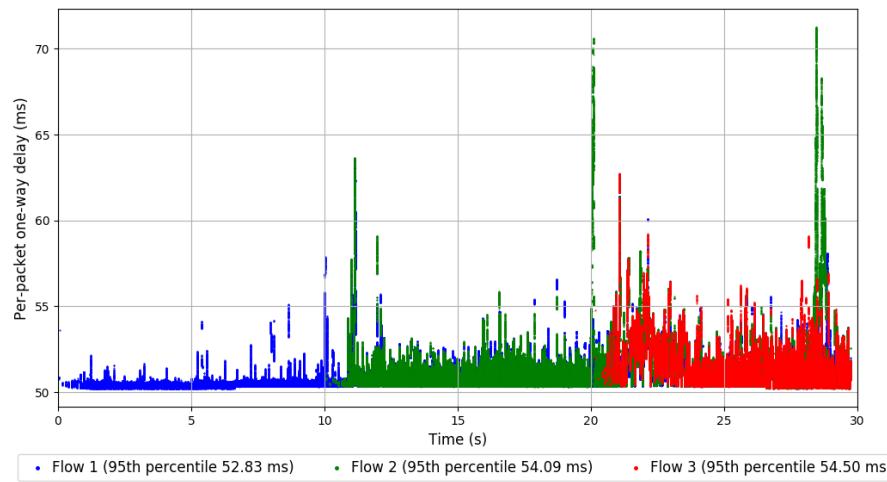
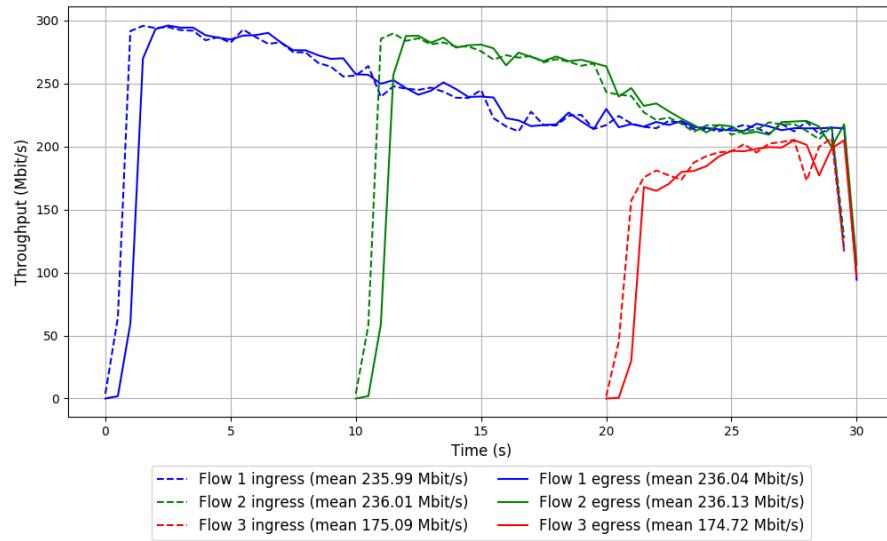


Run 7: Statistics of Indigo

```
Start at: 2018-05-26 16:38:41
End at: 2018-05-26 16:39:11
Local clock offset: -0.175 ms
Remote clock offset: -0.452 ms

# Below is generated by plot.py at 2018-05-26 19:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 448.74 Mbit/s
95th percentile per-packet one-way delay: 53.521 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 236.04 Mbit/s
95th percentile per-packet one-way delay: 52.830 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 236.13 Mbit/s
95th percentile per-packet one-way delay: 54.091 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 174.72 Mbit/s
95th percentile per-packet one-way delay: 54.499 ms
Loss rate: 1.25%
```

Run 7: Report of Indigo — Data Link

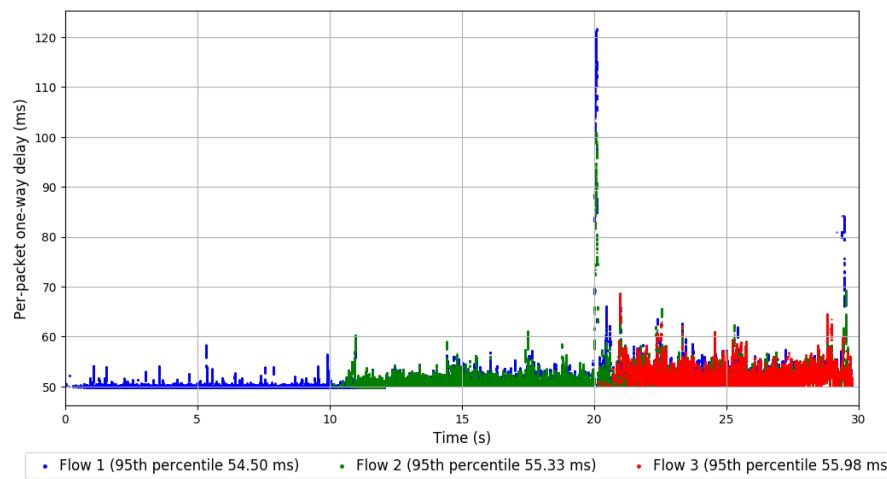
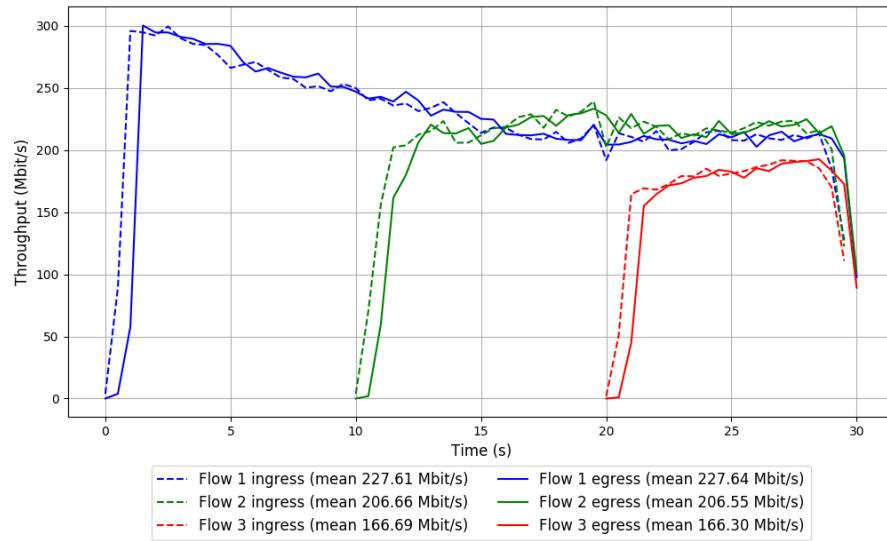


Run 8: Statistics of Indigo

```
Start at: 2018-05-26 17:01:15
End at: 2018-05-26 17:01:45
Local clock offset: 0.01 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2018-05-26 19:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 418.29 Mbit/s
95th percentile per-packet one-way delay: 55.043 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 227.64 Mbit/s
95th percentile per-packet one-way delay: 54.500 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 206.55 Mbit/s
95th percentile per-packet one-way delay: 55.326 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 166.30 Mbit/s
95th percentile per-packet one-way delay: 55.985 ms
Loss rate: 1.25%
```

Run 8: Report of Indigo — Data Link

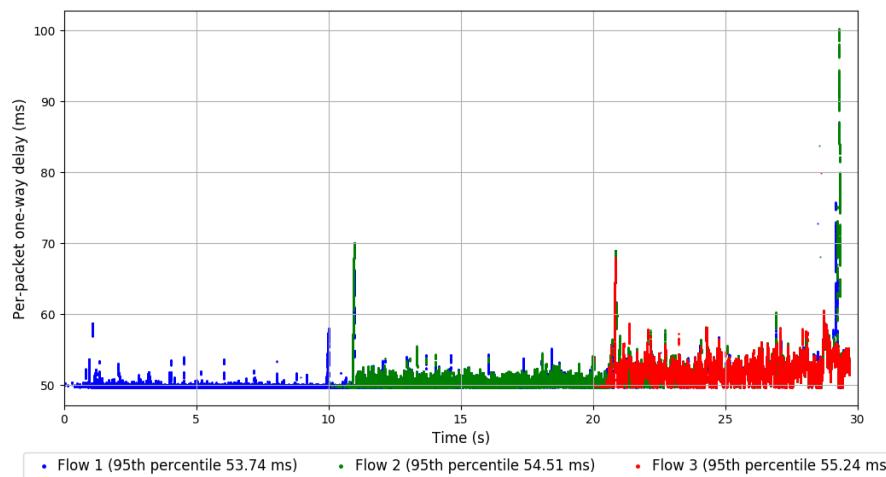
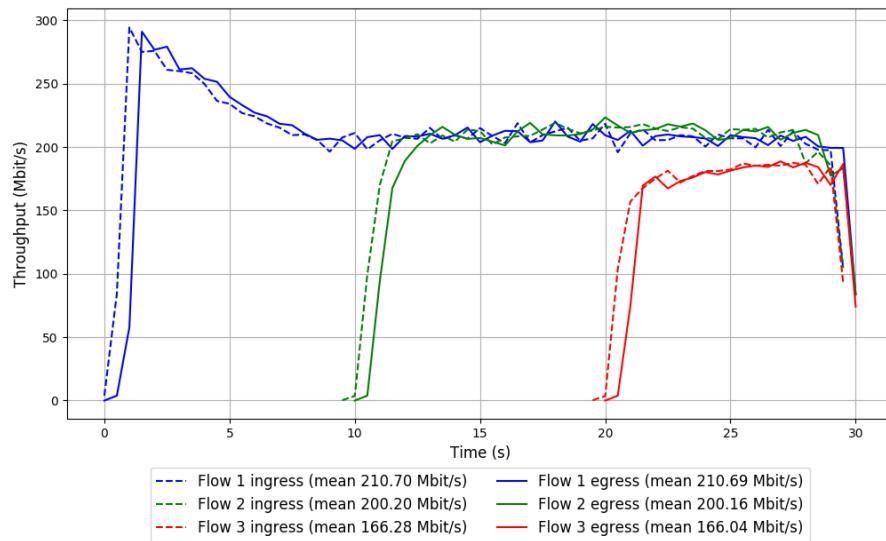


Run 9: Statistics of Indigo

```
Start at: 2018-05-26 17:24:37
End at: 2018-05-26 17:25:07
Local clock offset: -0.288 ms
Remote clock offset: 0.055 ms

# Below is generated by plot.py at 2018-05-26 19:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 397.59 Mbit/s
95th percentile per-packet one-way delay: 54.297 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 210.69 Mbit/s
95th percentile per-packet one-way delay: 53.741 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 200.16 Mbit/s
95th percentile per-packet one-way delay: 54.509 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 166.04 Mbit/s
95th percentile per-packet one-way delay: 55.237 ms
Loss rate: 1.18%
```

Run 9: Report of Indigo — Data Link

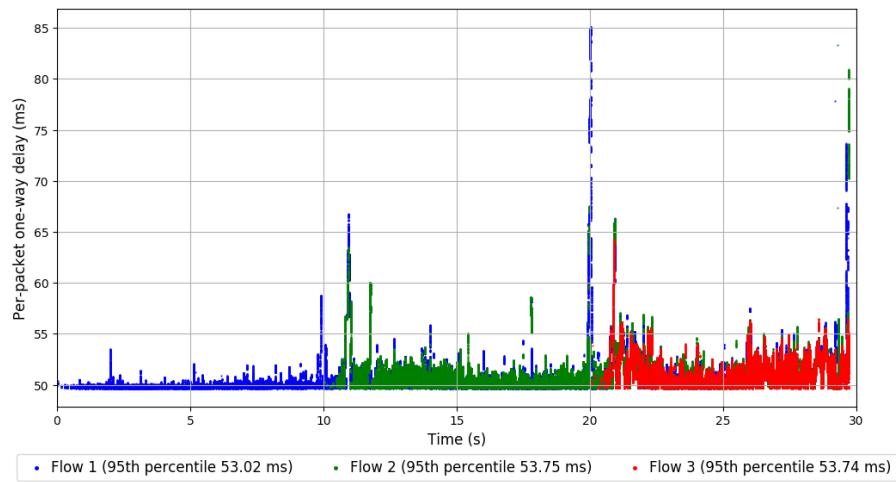
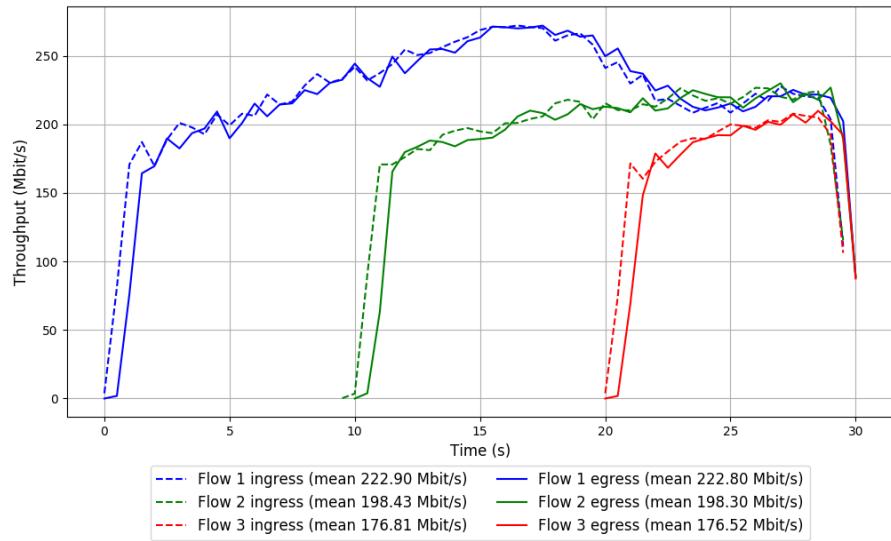


Run 10: Statistics of Indigo

```
Start at: 2018-05-26 17:48:15
End at: 2018-05-26 17:48:45
Local clock offset: 0.139 ms
Remote clock offset: 0.309 ms

# Below is generated by plot.py at 2018-05-26 19:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 411.70 Mbit/s
95th percentile per-packet one-way delay: 53.437 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 222.80 Mbit/s
95th percentile per-packet one-way delay: 53.015 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 198.30 Mbit/s
95th percentile per-packet one-way delay: 53.748 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 176.52 Mbit/s
95th percentile per-packet one-way delay: 53.743 ms
Loss rate: 1.21%
```

Run 10: Report of Indigo — Data Link

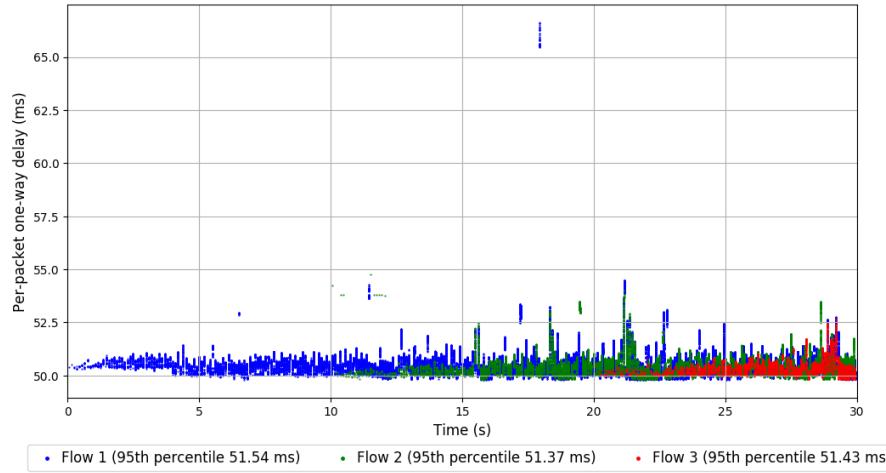
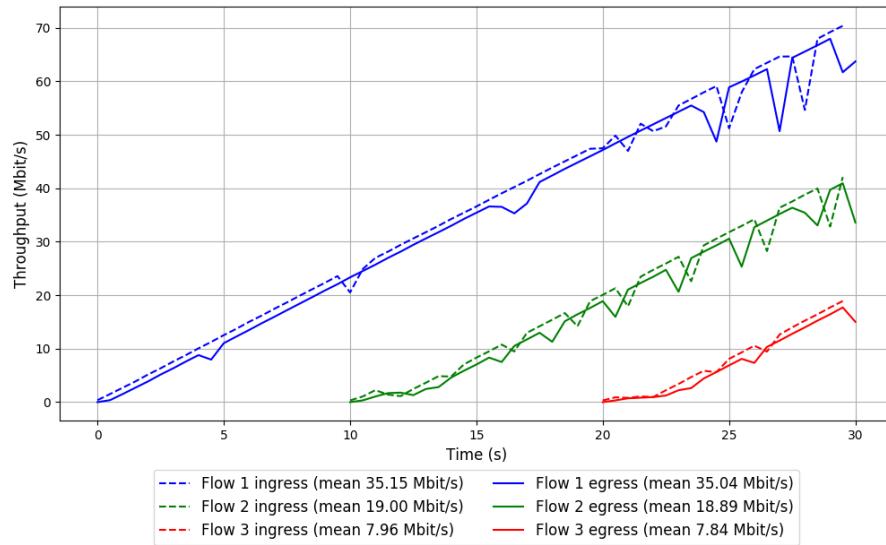


Run 1: Statistics of LEDBAT

```
Start at: 2018-05-26 14:25:14
End at: 2018-05-26 14:25:44
Local clock offset: -0.058 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-05-26 19:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 51.487 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 51.540 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 18.89 Mbit/s
95th percentile per-packet one-way delay: 51.370 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 7.84 Mbit/s
95th percentile per-packet one-way delay: 51.427 ms
Loss rate: 2.46%
```

Run 1: Report of LEDBAT — Data Link

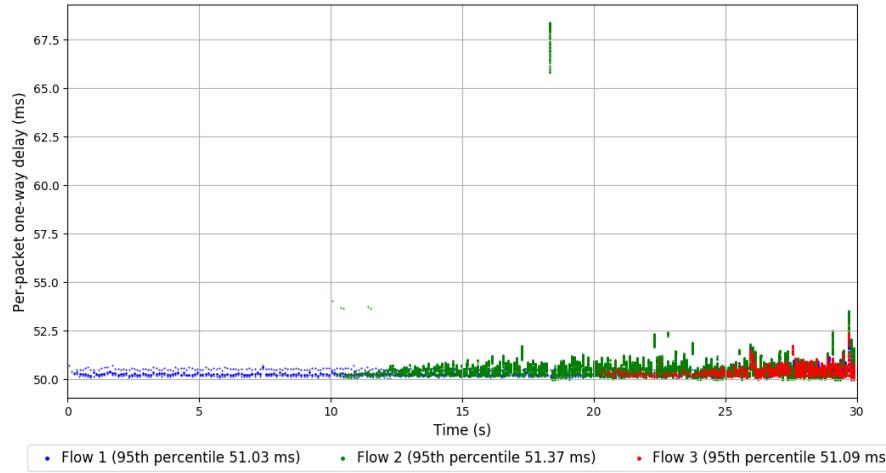
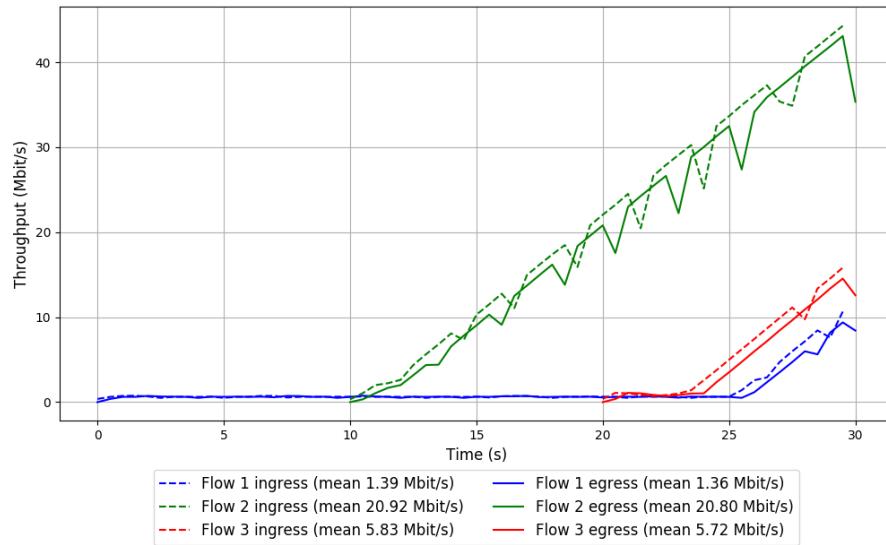


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-26 14:48:15
End at: 2018-05-26 14:48:45
Local clock offset: 0.399 ms
Remote clock offset: 0.526 ms

# Below is generated by plot.py at 2018-05-26 19:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.07 Mbit/s
95th percentile per-packet one-way delay: 51.319 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 51.032 ms
Loss rate: 2.67%
-- Flow 2:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 51.365 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 51.086 ms
Loss rate: 2.82%
```

Run 2: Report of LEDBAT — Data Link

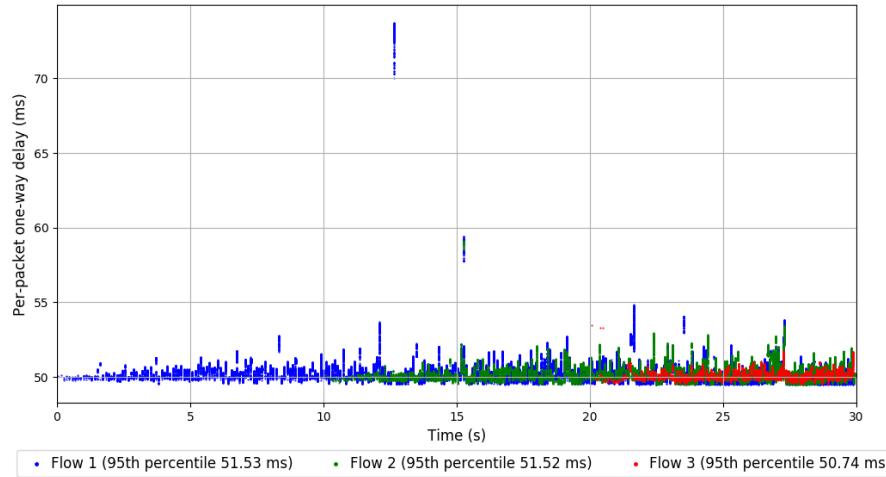
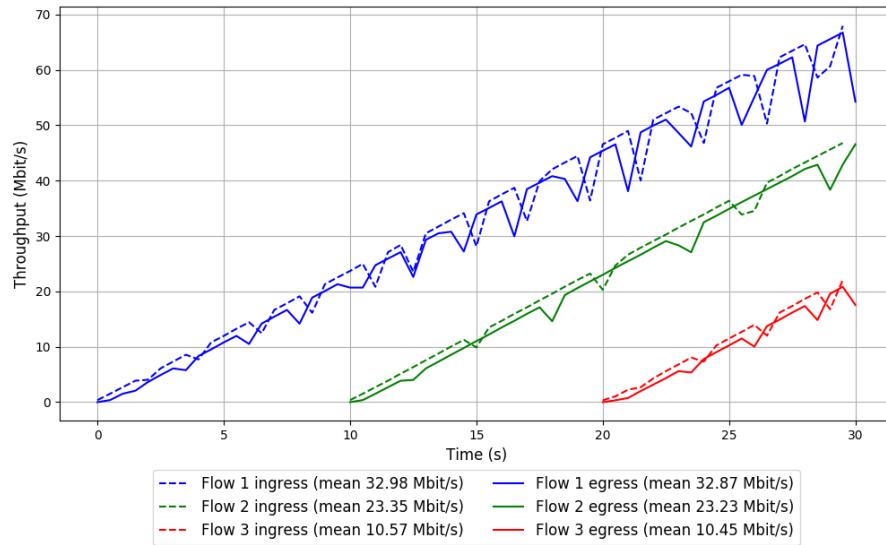


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-26 15:11:24
End at: 2018-05-26 15:11:54
Local clock offset: -0.173 ms
Remote clock offset: 0.384 ms

# Below is generated by plot.py at 2018-05-26 19:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.71 Mbit/s
95th percentile per-packet one-way delay: 51.489 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 51.534 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 51.522 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 10.45 Mbit/s
95th percentile per-packet one-way delay: 50.736 ms
Loss rate: 2.15%
```

Run 3: Report of LEDBAT — Data Link

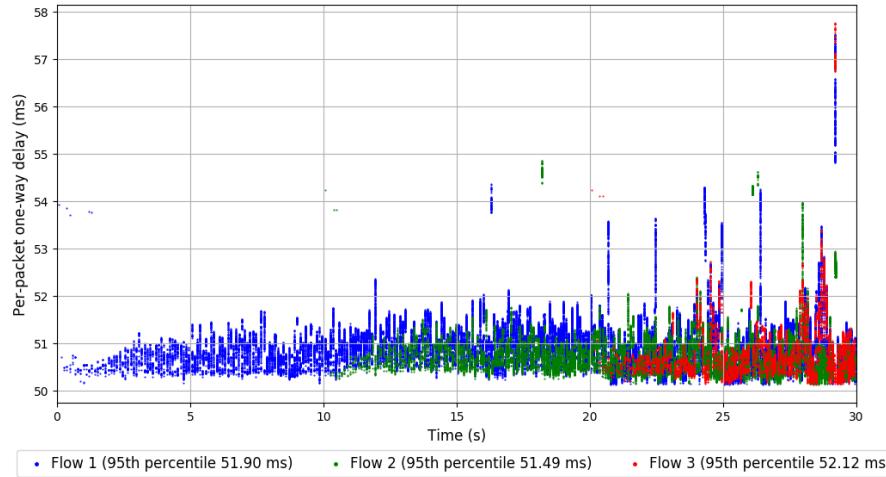
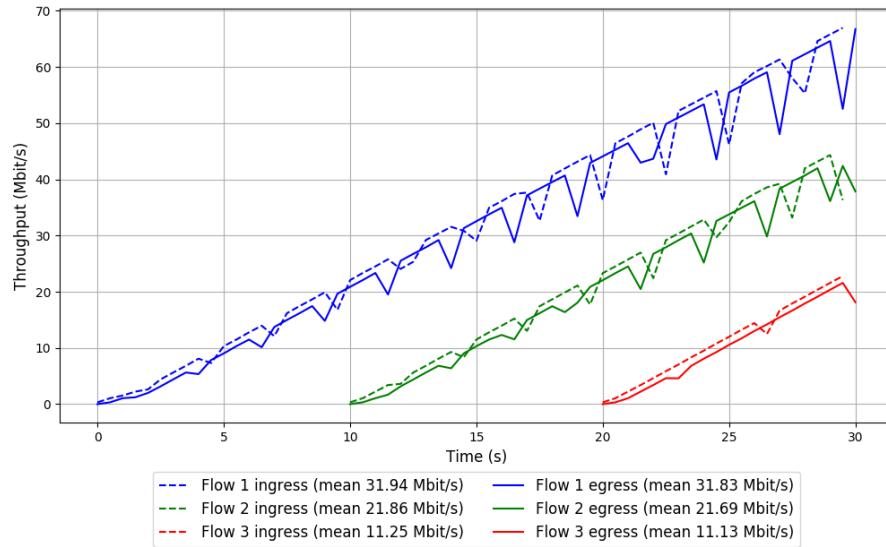


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-26 15:34:37
End at: 2018-05-26 15:35:07
Local clock offset: 0.046 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-05-26 19:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: 51.822 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 51.899 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 21.69 Mbit/s
95th percentile per-packet one-way delay: 51.489 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 11.13 Mbit/s
95th percentile per-packet one-way delay: 52.123 ms
Loss rate: 2.09%
```

Run 4: Report of LEDBAT — Data Link

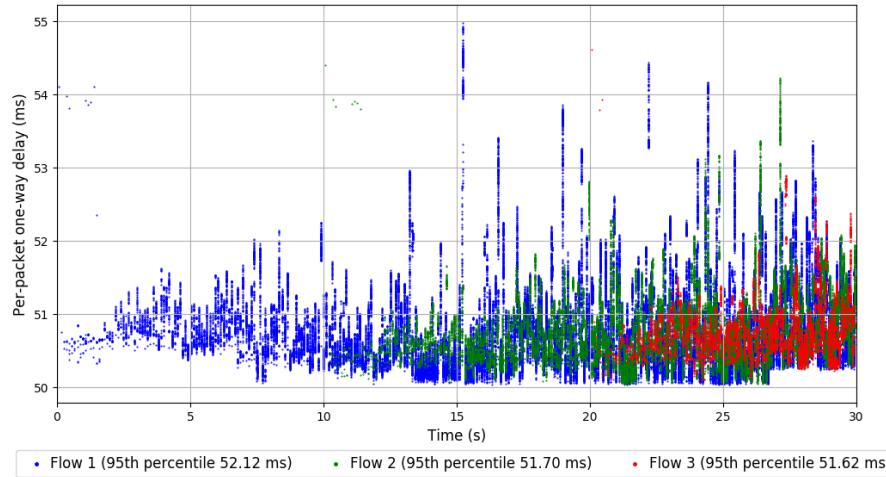
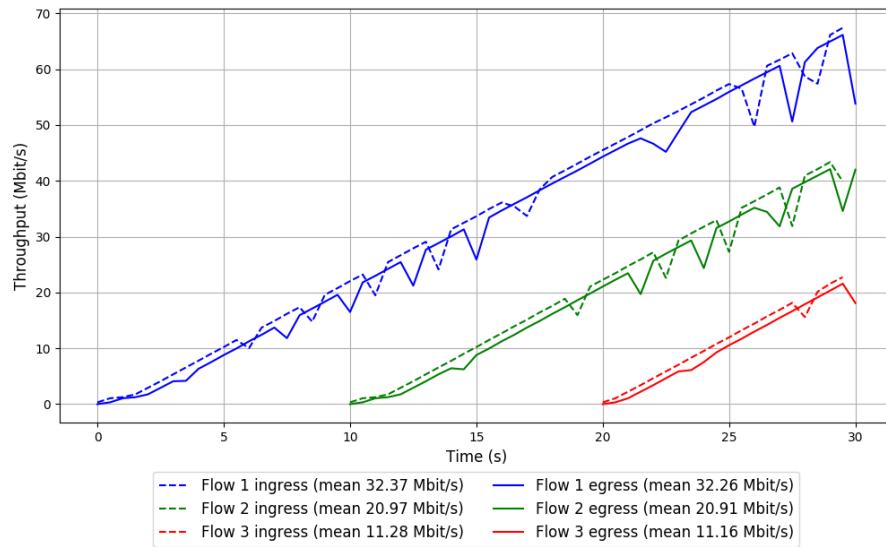


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-26 15:58:21
End at: 2018-05-26 15:58:51
Local clock offset: 0.159 ms
Remote clock offset: 0.066 ms

# Below is generated by plot.py at 2018-05-26 19:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.81 Mbit/s
95th percentile per-packet one-way delay: 51.980 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 52.116 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 20.91 Mbit/s
95th percentile per-packet one-way delay: 51.703 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 51.618 ms
Loss rate: 2.08%
```

Run 5: Report of LEDBAT — Data Link

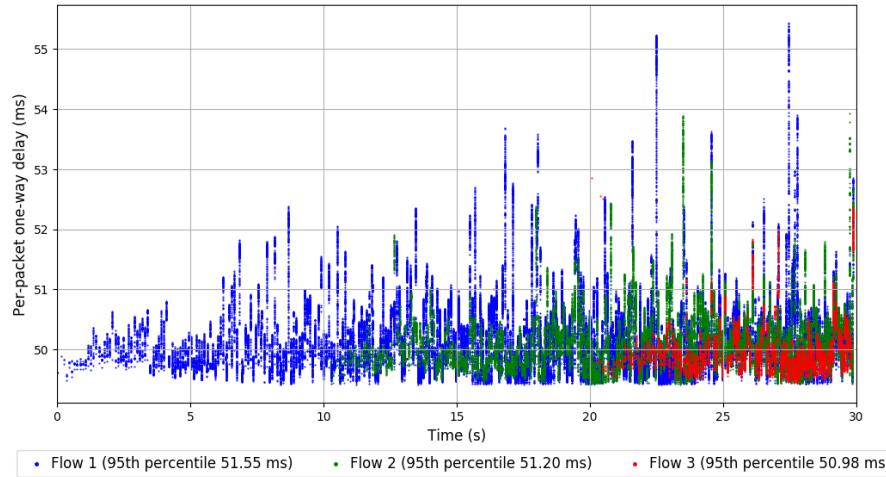
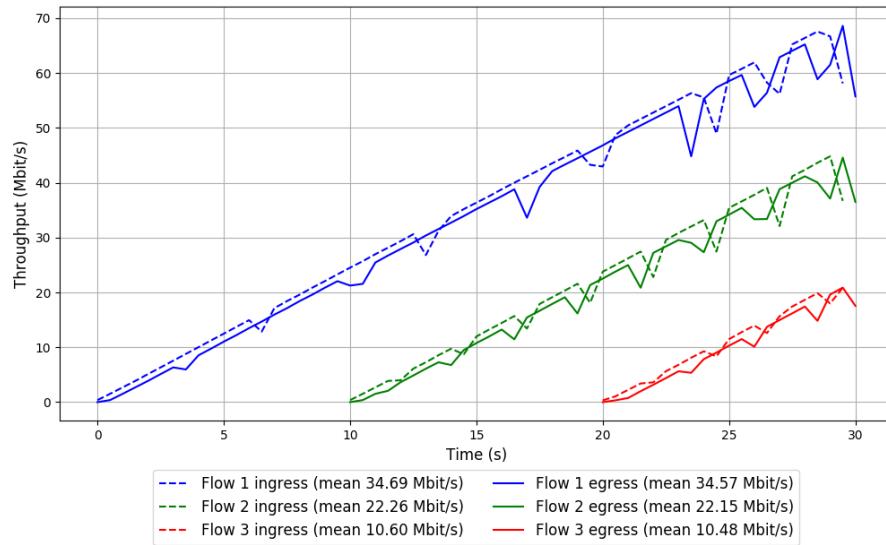


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-26 16:21:18
End at: 2018-05-26 16:21:48
Local clock offset: -0.153 ms
Remote clock offset: 0.393 ms

# Below is generated by plot.py at 2018-05-26 19:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.72 Mbit/s
95th percentile per-packet one-way delay: 51.414 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 51.548 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 22.15 Mbit/s
95th percentile per-packet one-way delay: 51.204 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 10.48 Mbit/s
95th percentile per-packet one-way delay: 50.982 ms
Loss rate: 2.14%
```

Run 6: Report of LEDBAT — Data Link

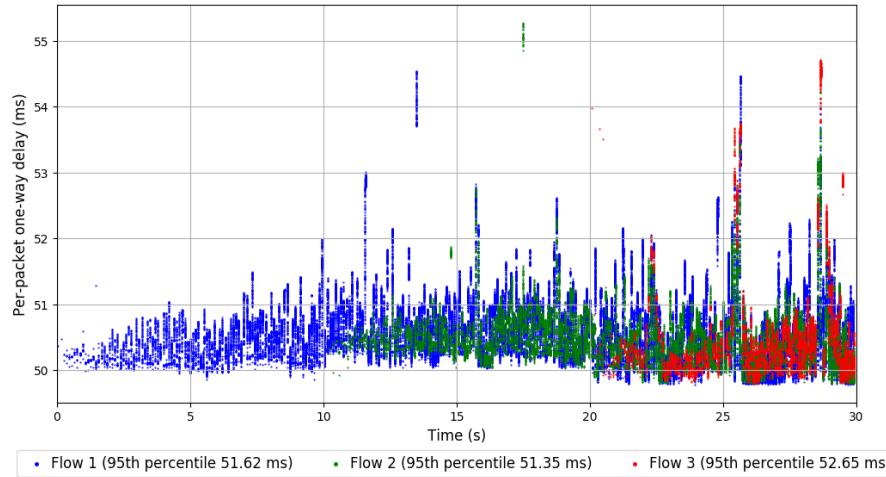
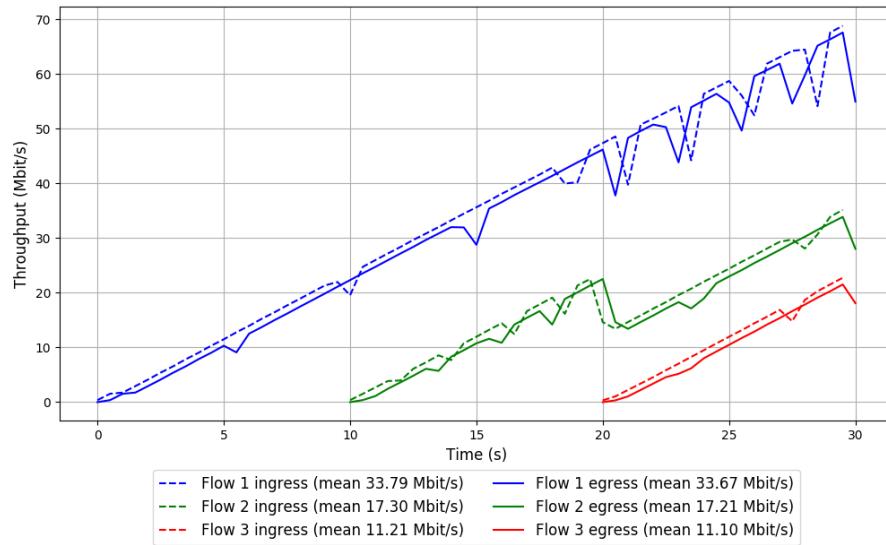


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-26 16:44:28
End at: 2018-05-26 16:44:58
Local clock offset: 0.249 ms
Remote clock offset: 0.216 ms

# Below is generated by plot.py at 2018-05-26 19:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 51.630 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 33.67 Mbit/s
95th percentile per-packet one-way delay: 51.615 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 17.21 Mbit/s
95th percentile per-packet one-way delay: 51.349 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 52.646 ms
Loss rate: 2.08%
```

Run 7: Report of LEDBAT — Data Link

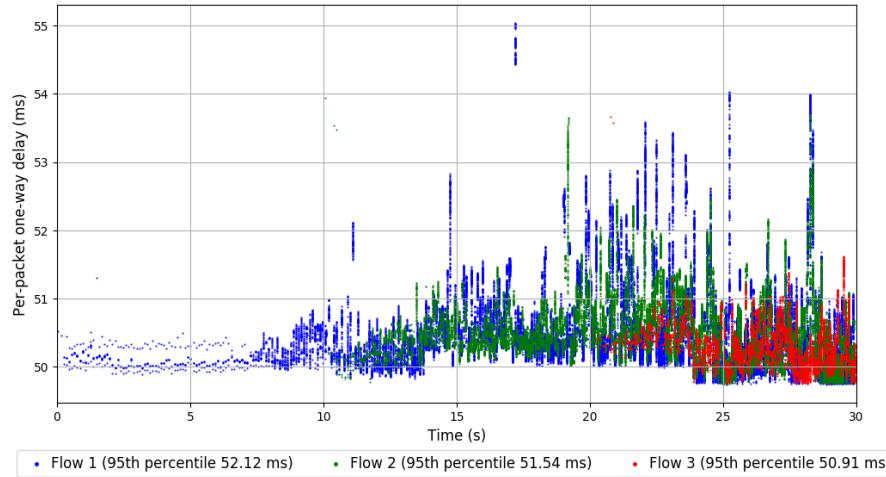
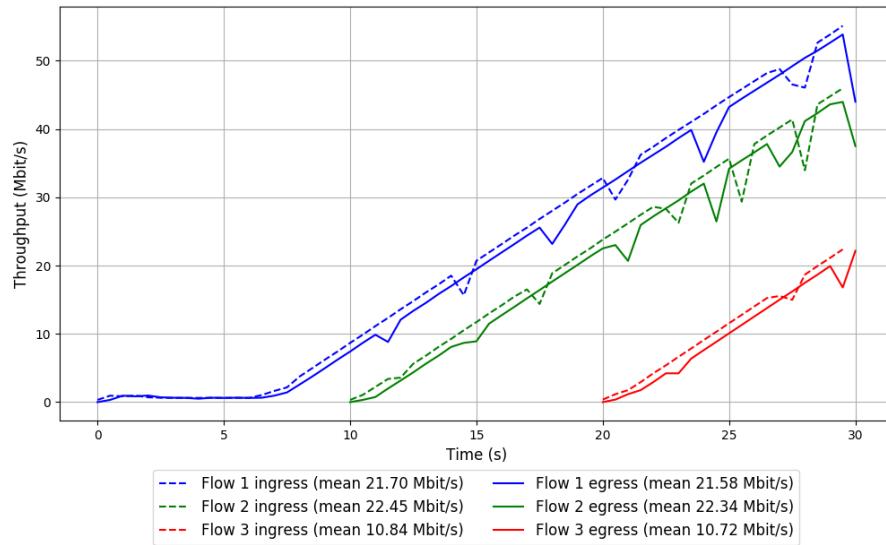


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-26 17:07:04
End at: 2018-05-26 17:07:34
Local clock offset: -0.102 ms
Remote clock offset: -0.163 ms

# Below is generated by plot.py at 2018-05-26 19:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.93 Mbit/s
95th percentile per-packet one-way delay: 51.780 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 21.58 Mbit/s
95th percentile per-packet one-way delay: 52.124 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 51.538 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 10.72 Mbit/s
95th percentile per-packet one-way delay: 50.915 ms
Loss rate: 2.11%
```

Run 8: Report of LEDBAT — Data Link

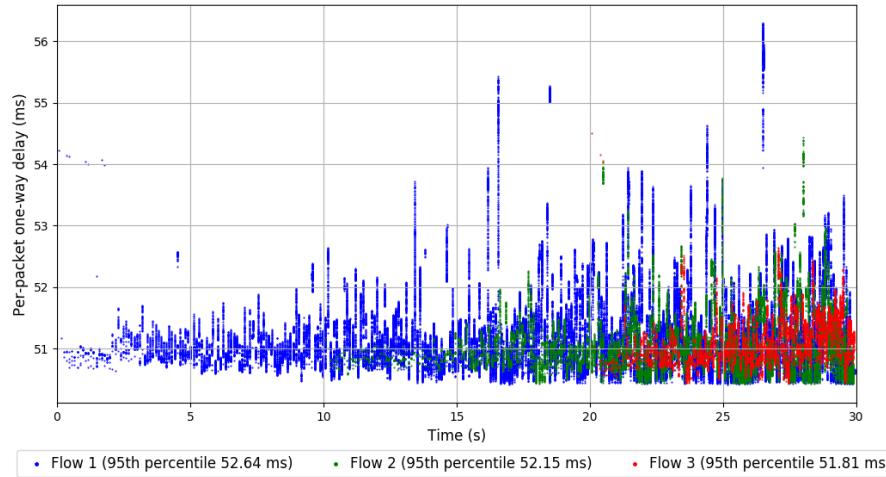
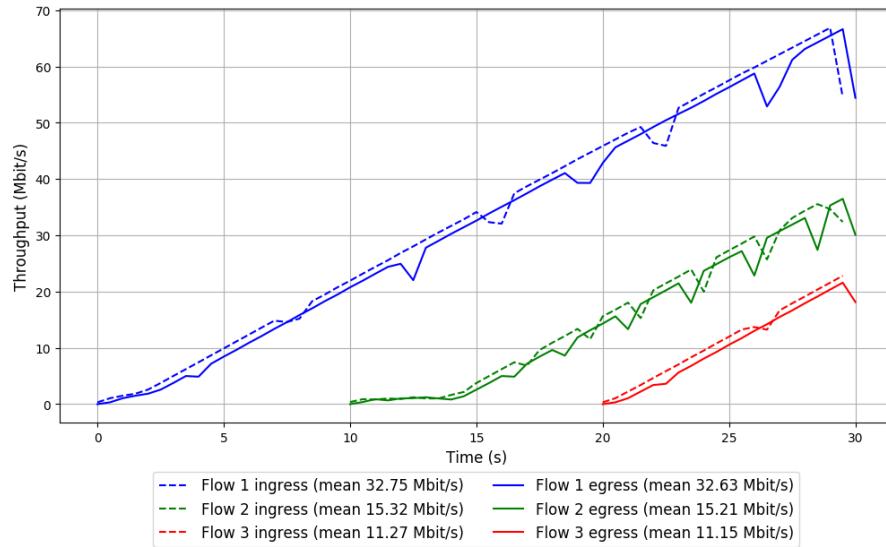


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-26 17:30:23
End at: 2018-05-26 17:30:53
Local clock offset: 0.12 ms
Remote clock offset: -0.291 ms

# Below is generated by plot.py at 2018-05-26 19:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.38 Mbit/s
95th percentile per-packet one-way delay: 52.505 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 52.643 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 15.21 Mbit/s
95th percentile per-packet one-way delay: 52.151 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 11.15 Mbit/s
95th percentile per-packet one-way delay: 51.810 ms
Loss rate: 2.09%
```

Run 9: Report of LEDBAT — Data Link

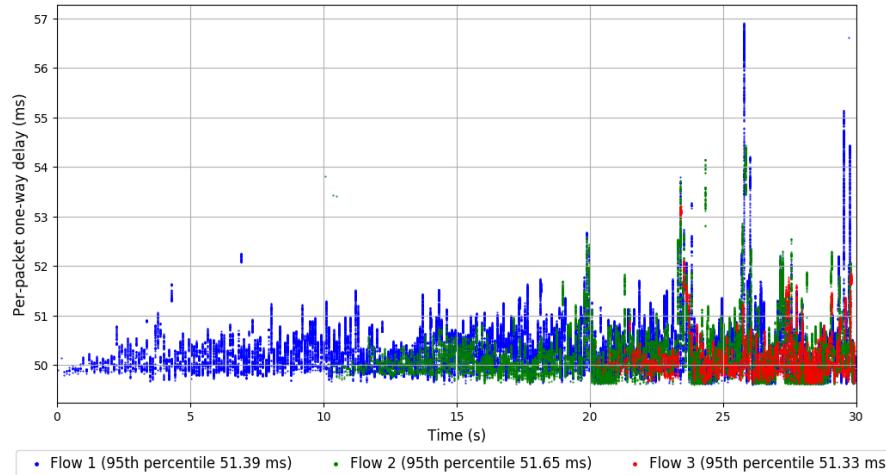
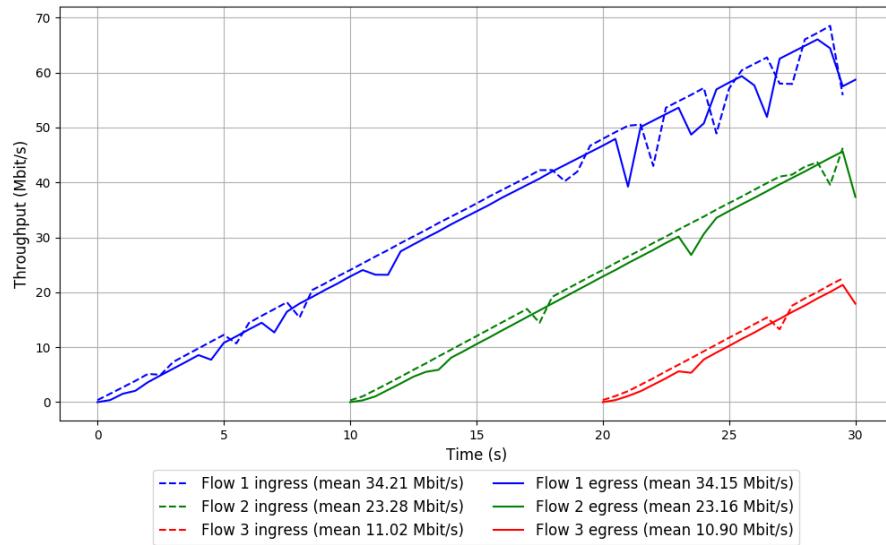


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-26 17:53:57
End at: 2018-05-26 17:54:27
Local clock offset: 0.018 ms
Remote clock offset: 0.209 ms

# Below is generated by plot.py at 2018-05-26 19:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.08 Mbit/s
95th percentile per-packet one-way delay: 51.450 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 34.15 Mbit/s
95th percentile per-packet one-way delay: 51.391 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 51.648 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 10.90 Mbit/s
95th percentile per-packet one-way delay: 51.330 ms
Loss rate: 2.10%
```

Run 10: Report of LEDBAT — Data Link

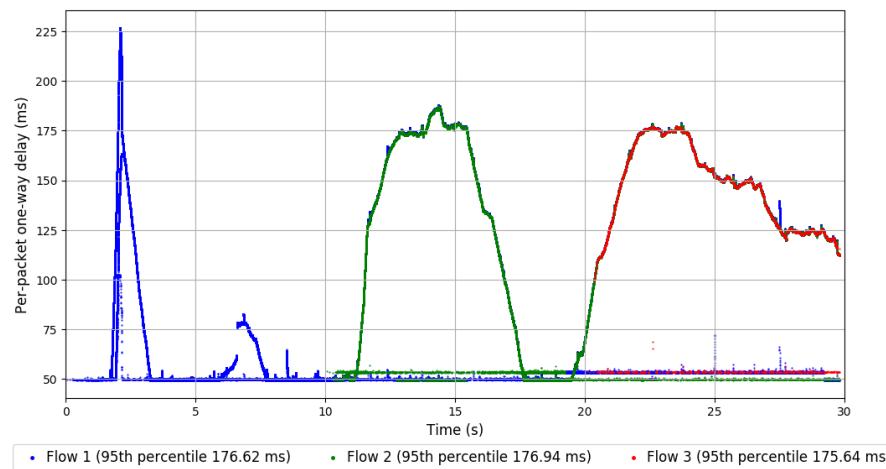
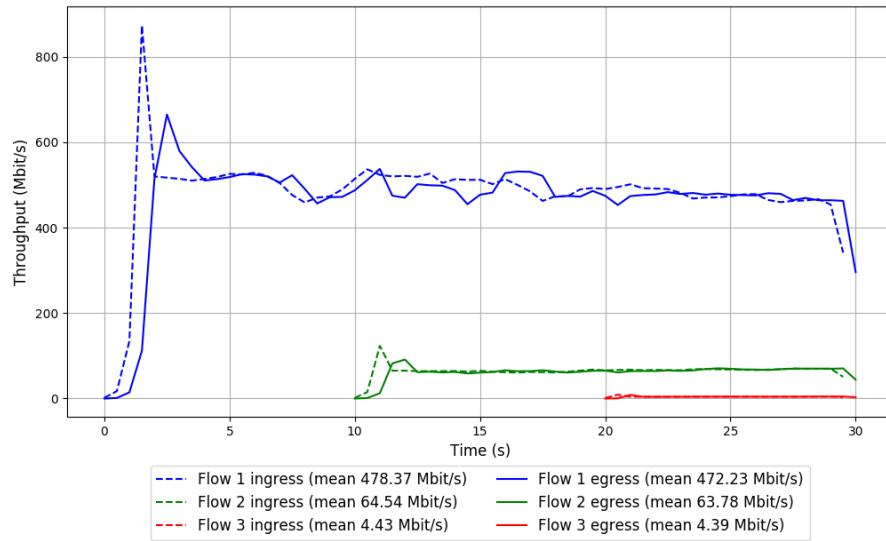


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-05-26 14:26:25
End at: 2018-05-26 14:26:55
Local clock offset: -0.304 ms
Remote clock offset: 0.117 ms

# Below is generated by plot.py at 2018-05-26 19:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 515.89 Mbit/s
95th percentile per-packet one-way delay: 176.644 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 472.23 Mbit/s
95th percentile per-packet one-way delay: 176.621 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 63.78 Mbit/s
95th percentile per-packet one-way delay: 176.943 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 175.638 ms
Loss rate: 1.81%
```

Run 1: Report of PCC-Allegro — Data Link

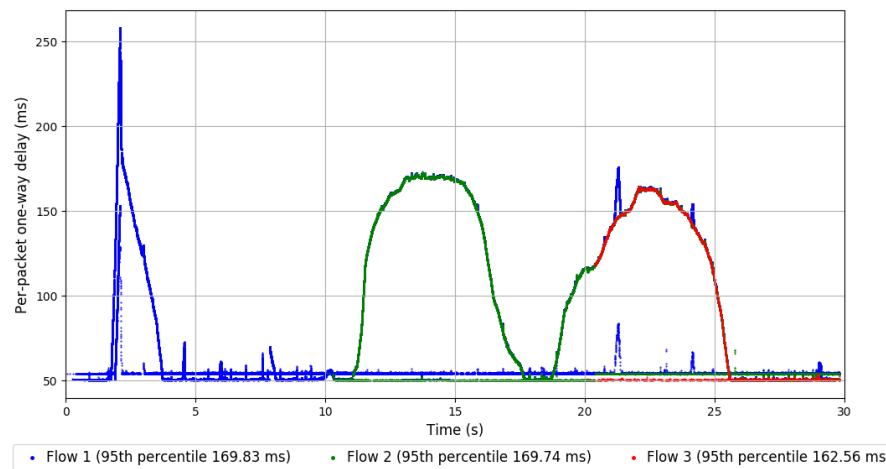
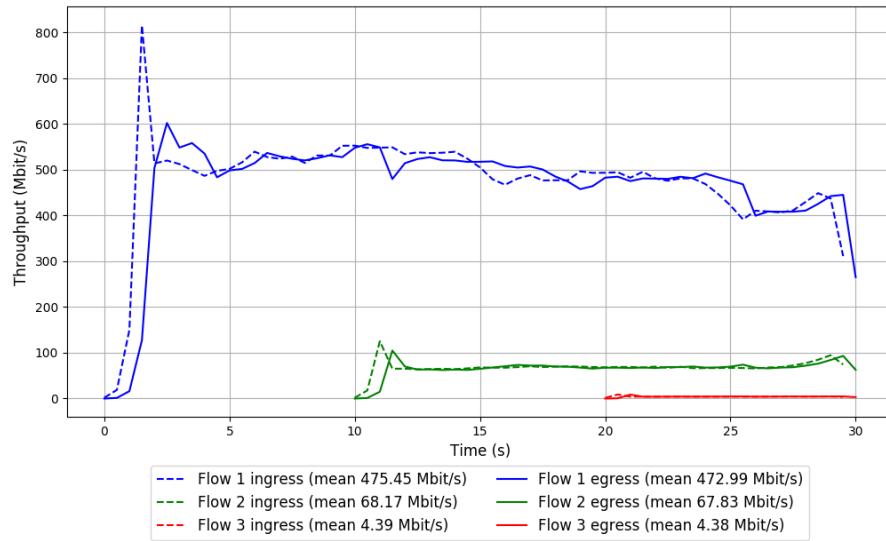


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-26 14:49:24
End at: 2018-05-26 14:49:54
Local clock offset: 0.215 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-05-26 19:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 519.39 Mbit/s
95th percentile per-packet one-way delay: 169.821 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 472.99 Mbit/s
95th percentile per-packet one-way delay: 169.833 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 67.83 Mbit/s
95th percentile per-packet one-way delay: 169.742 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 162.556 ms
Loss rate: 1.17%
```

Run 2: Report of PCC-Allegro — Data Link

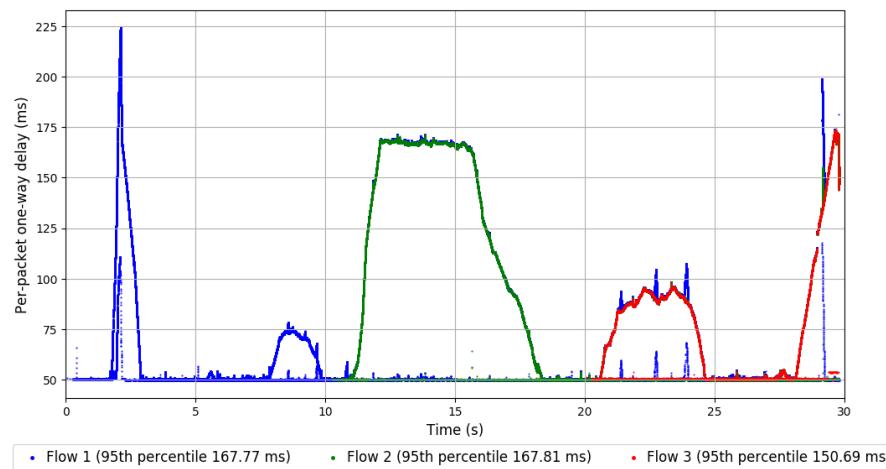
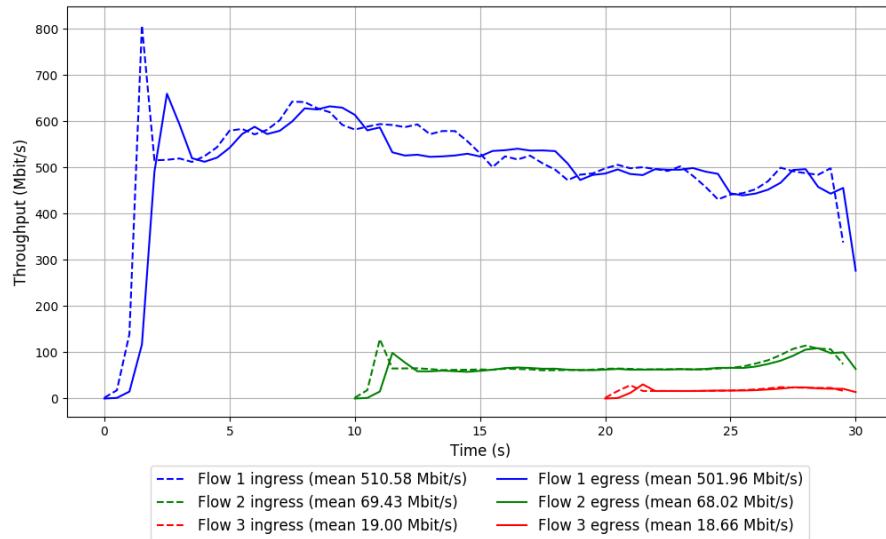


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-26 15:12:35
End at: 2018-05-26 15:13:05
Local clock offset: -0.033 ms
Remote clock offset: 0.137 ms

# Below is generated by plot.py at 2018-05-26 19:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 553.20 Mbit/s
95th percentile per-packet one-way delay: 167.764 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 501.96 Mbit/s
95th percentile per-packet one-way delay: 167.768 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 68.02 Mbit/s
95th percentile per-packet one-way delay: 167.806 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 150.687 ms
Loss rate: 2.79%
```

Run 3: Report of PCC-Allegro — Data Link

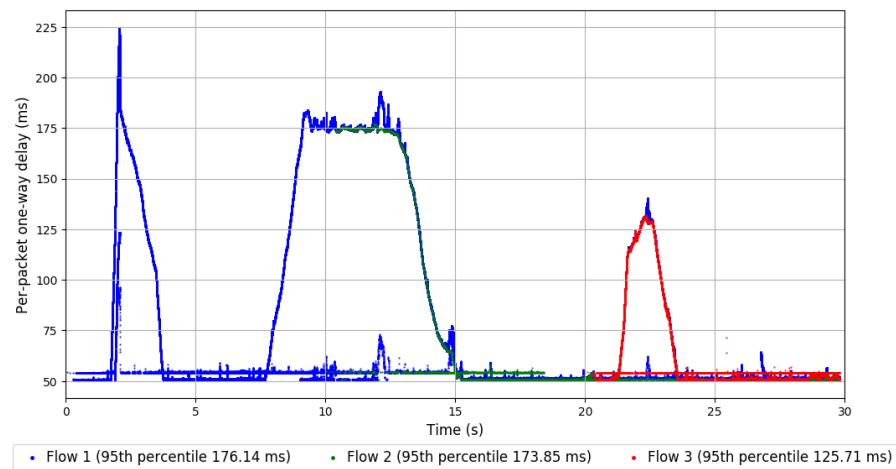
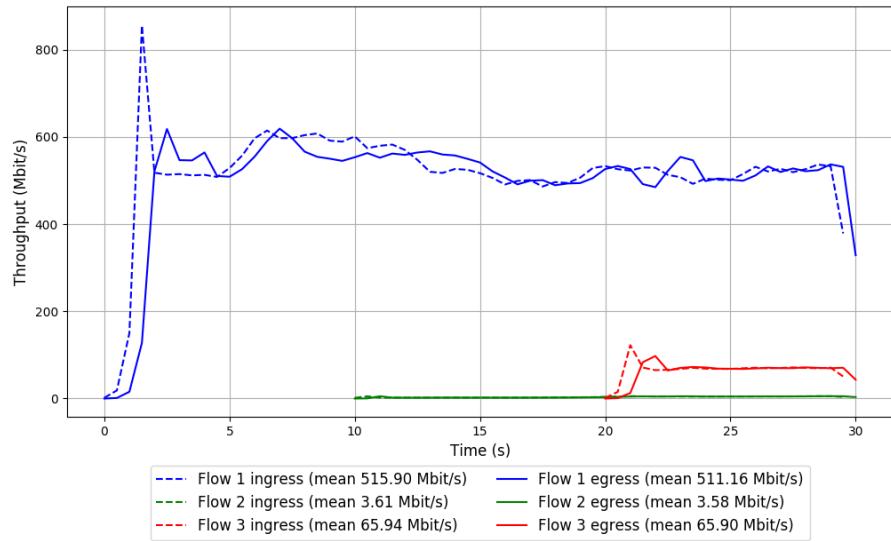


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-26 15:35:49
End at: 2018-05-26 15:36:19
Local clock offset: 0.093 ms
Remote clock offset: -0.212 ms

# Below is generated by plot.py at 2018-05-26 19:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 535.08 Mbit/s
95th percentile per-packet one-way delay: 175.955 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 511.16 Mbit/s
95th percentile per-packet one-way delay: 176.140 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 173.848 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 65.90 Mbit/s
95th percentile per-packet one-way delay: 125.713 ms
Loss rate: 1.13%
```

Run 4: Report of PCC-Allegro — Data Link

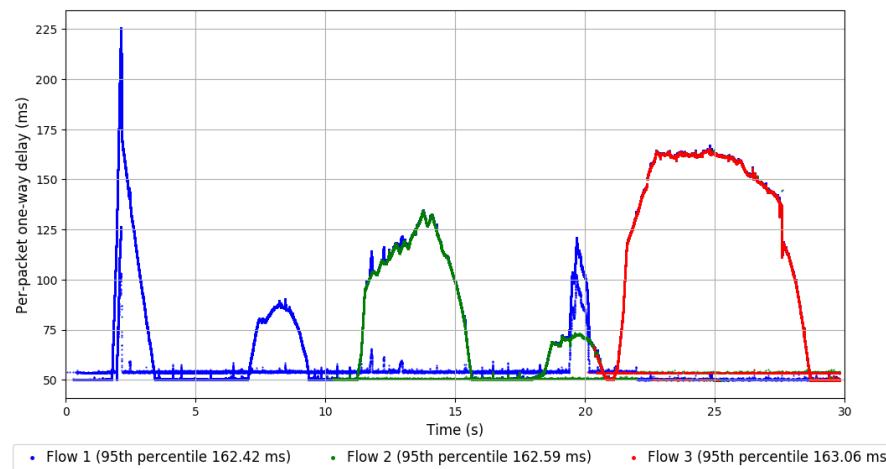
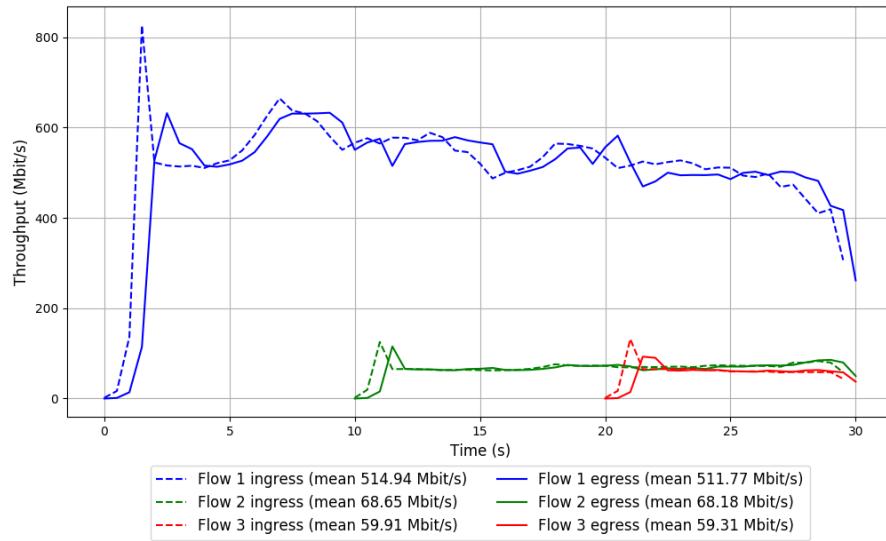


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-26 15:59:32
End at: 2018-05-26 16:00:02
Local clock offset: 0.2 ms
Remote clock offset: 0.389 ms

# Below is generated by plot.py at 2018-05-26 19:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 576.41 Mbit/s
95th percentile per-packet one-way delay: 162.501 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 511.77 Mbit/s
95th percentile per-packet one-way delay: 162.419 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 68.18 Mbit/s
95th percentile per-packet one-way delay: 162.589 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 59.31 Mbit/s
95th percentile per-packet one-way delay: 163.055 ms
Loss rate: 2.06%
```

Run 5: Report of PCC-Allegro — Data Link

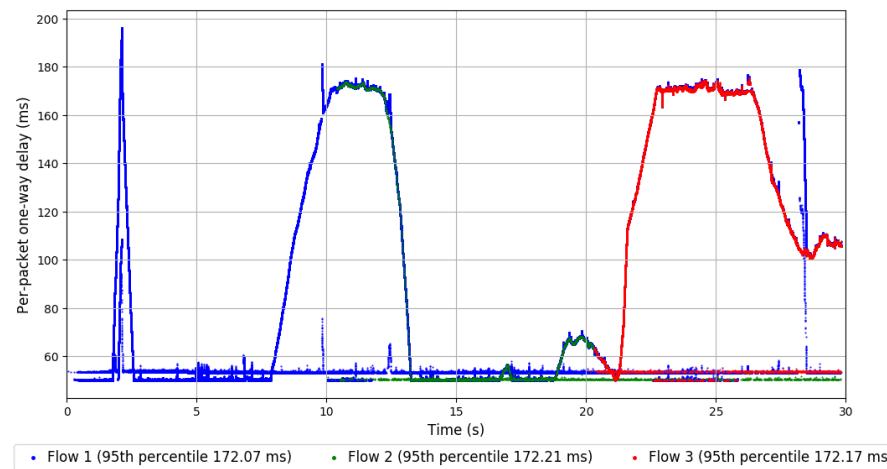
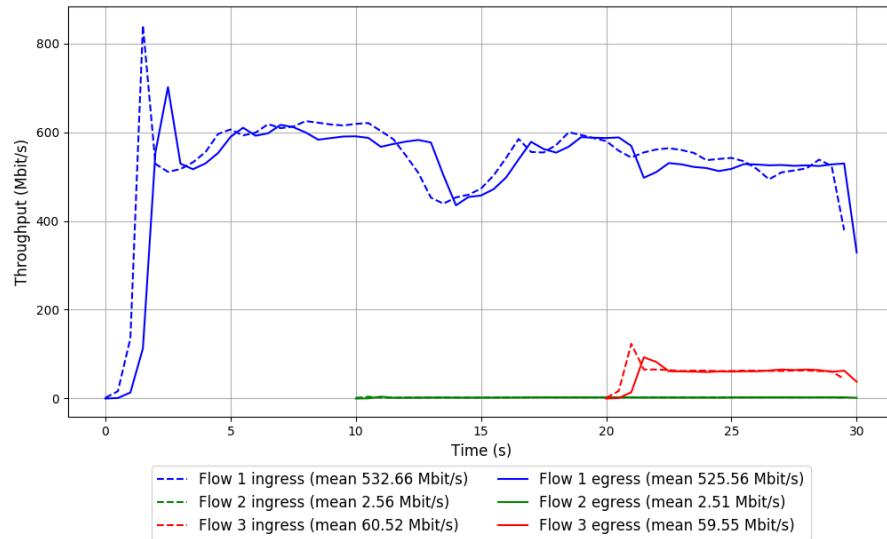


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-26 16:22:30
End at: 2018-05-26 16:23:00
Local clock offset: -0.015 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2018-05-26 19:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 546.71 Mbit/s
95th percentile per-packet one-way delay: 172.074 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 525.56 Mbit/s
95th percentile per-packet one-way delay: 172.068 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 172.209 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 59.55 Mbit/s
95th percentile per-packet one-way delay: 172.172 ms
Loss rate: 2.65%
```

Run 6: Report of PCC-Allegro — Data Link

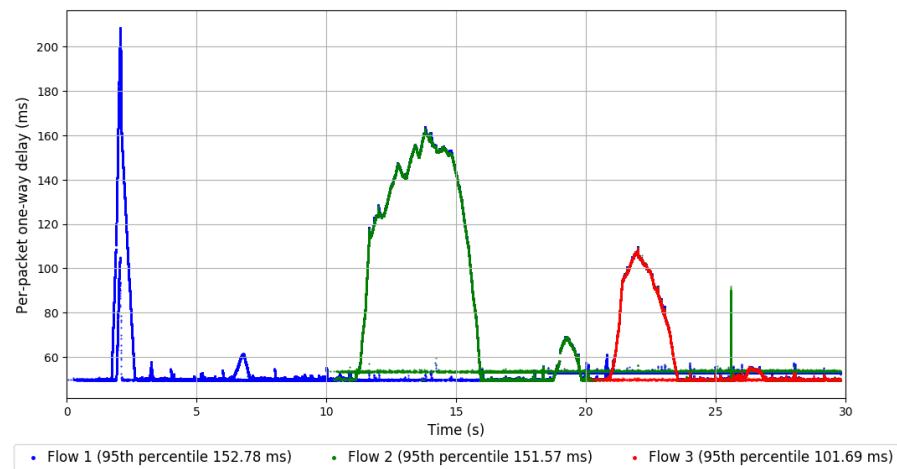
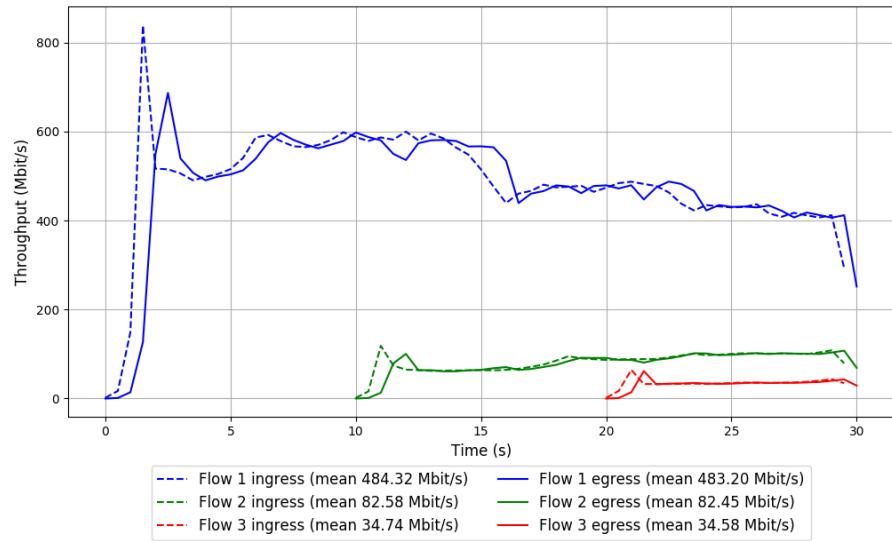


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-26 16:45:39
End at: 2018-05-26 16:46:09
Local clock offset: 0.001 ms
Remote clock offset: 0.224 ms

# Below is generated by plot.py at 2018-05-26 20:00:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 549.21 Mbit/s
95th percentile per-packet one-way delay: 152.629 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 483.20 Mbit/s
95th percentile per-packet one-way delay: 152.777 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 82.45 Mbit/s
95th percentile per-packet one-way delay: 151.569 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 101.692 ms
Loss rate: 1.49%
```

Run 7: Report of PCC-Allegro — Data Link

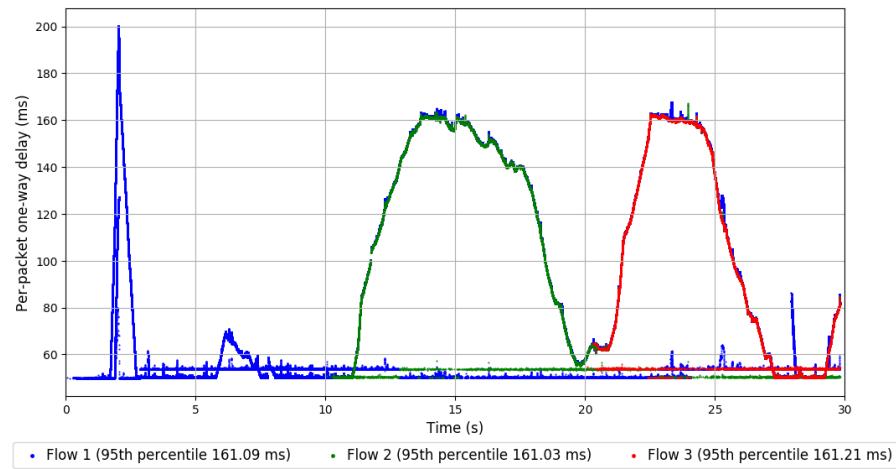
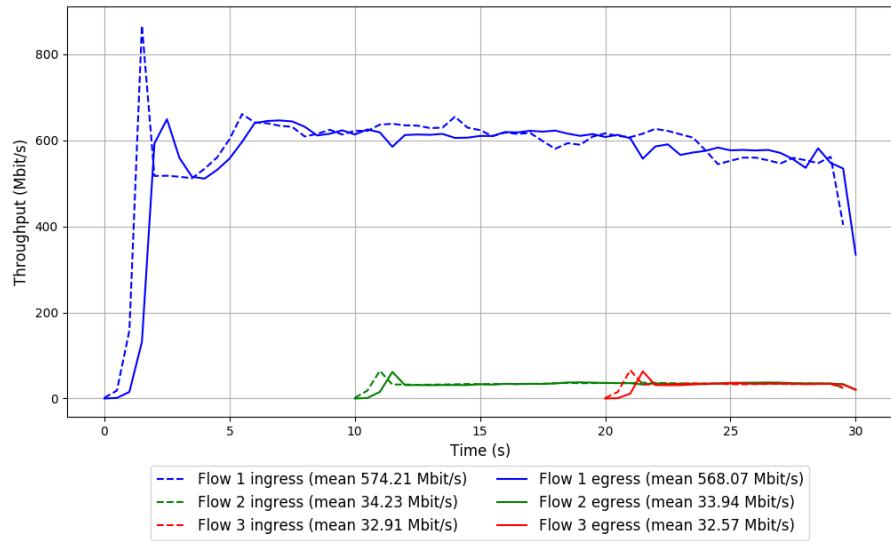


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-26 17:08:15
End at: 2018-05-26 17:08:45
Local clock offset: 0.014 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2018-05-26 20:01:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 601.24 Mbit/s
95th percentile per-packet one-way delay: 161.085 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 568.07 Mbit/s
95th percentile per-packet one-way delay: 161.087 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 33.94 Mbit/s
95th percentile per-packet one-way delay: 161.027 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 161.214 ms
Loss rate: 2.10%
```

Run 8: Report of PCC-Allegro — Data Link

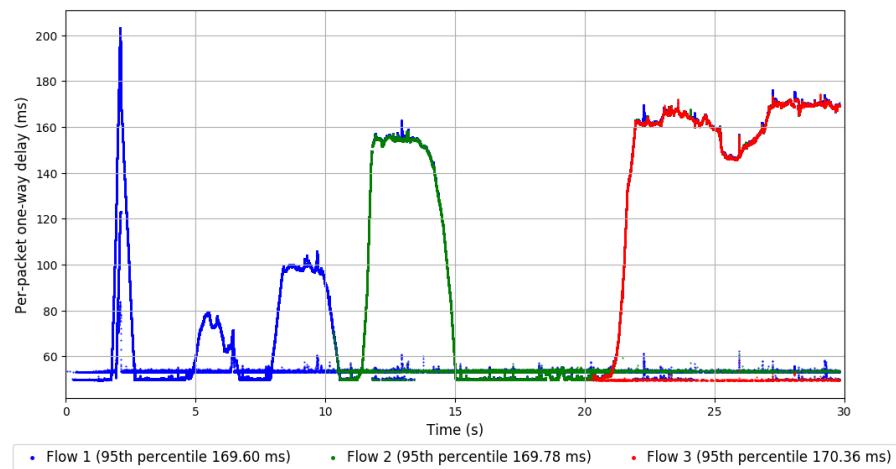
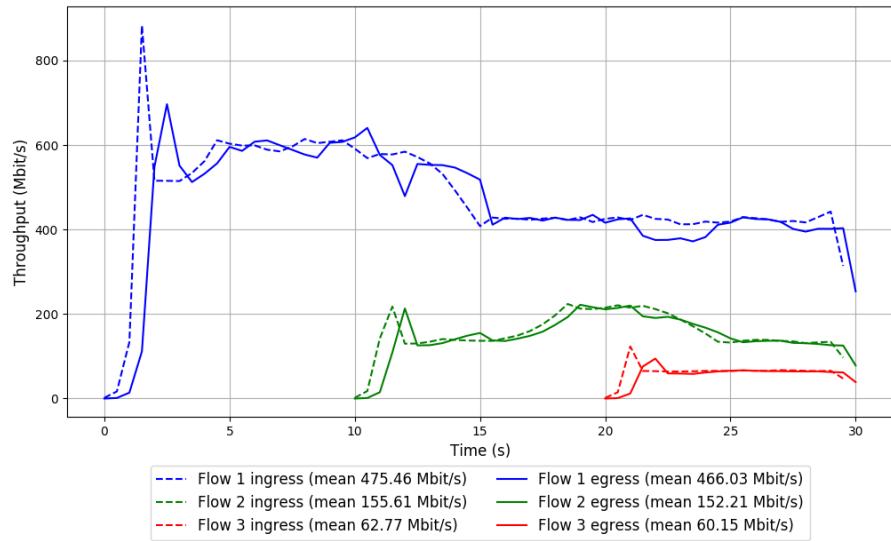


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-26 17:31:34
End at: 2018-05-26 17:32:04
Local clock offset: -0.325 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-05-26 20:02:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 586.72 Mbit/s
95th percentile per-packet one-way delay: 169.700 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 466.03 Mbit/s
95th percentile per-packet one-way delay: 169.597 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 152.21 Mbit/s
95th percentile per-packet one-way delay: 169.780 ms
Loss rate: 2.72%
-- Flow 3:
Average throughput: 60.15 Mbit/s
95th percentile per-packet one-way delay: 170.356 ms
Loss rate: 5.15%
```

Run 9: Report of PCC-Allegro — Data Link

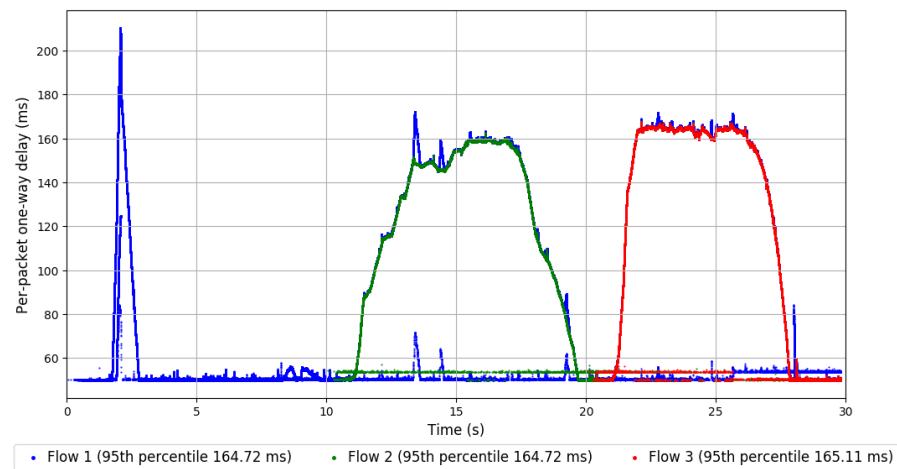
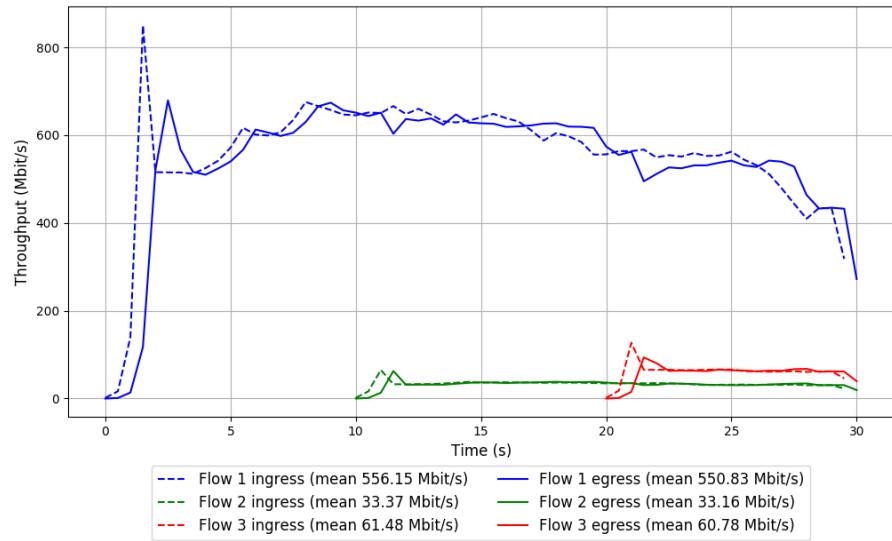


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-26 17:55:09
End at: 2018-05-26 17:55:39
Local clock offset: 0.268 ms
Remote clock offset: 0.173 ms

# Below is generated by plot.py at 2018-05-26 20:02:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 592.71 Mbit/s
95th percentile per-packet one-way delay: 164.763 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 550.83 Mbit/s
95th percentile per-packet one-way delay: 164.724 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 33.16 Mbit/s
95th percentile per-packet one-way delay: 164.721 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 60.78 Mbit/s
95th percentile per-packet one-way delay: 165.108 ms
Loss rate: 2.17%
```

Run 10: Report of PCC-Allegro — Data Link

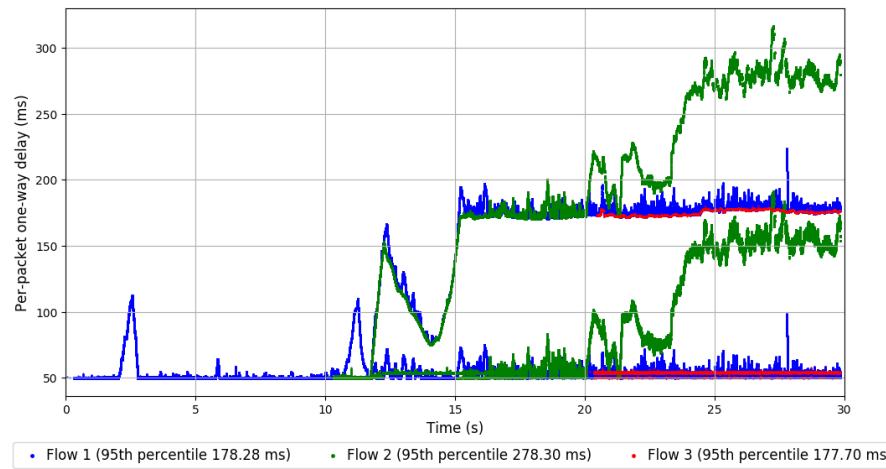
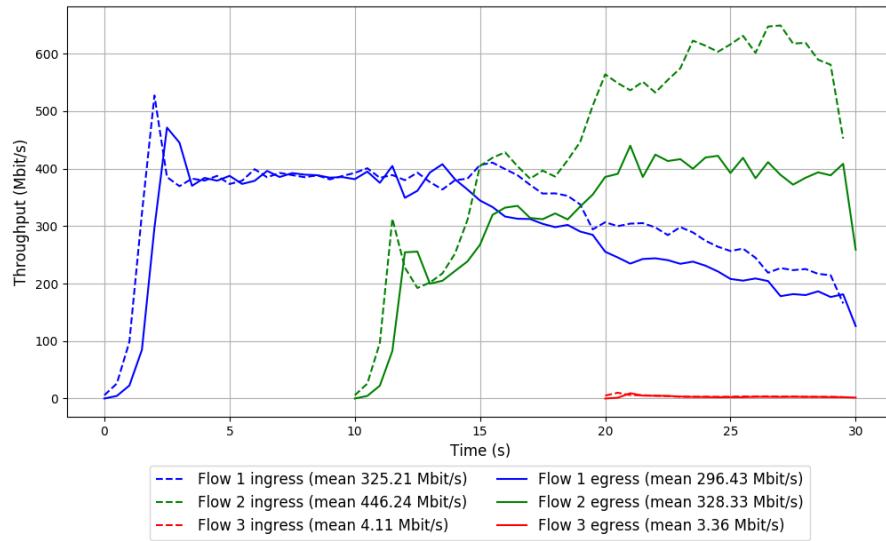


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-05-26 14:39:32
End at: 2018-05-26 14:40:02
Local clock offset: -0.062 ms
Remote clock offset: 0.19 ms

# Below is generated by plot.py at 2018-05-26 20:13:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 515.55 Mbit/s
95th percentile per-packet one-way delay: 245.190 ms
Loss rate: 17.58%
-- Flow 1:
Average throughput: 296.43 Mbit/s
95th percentile per-packet one-way delay: 178.280 ms
Loss rate: 9.16%
-- Flow 2:
Average throughput: 328.33 Mbit/s
95th percentile per-packet one-way delay: 278.298 ms
Loss rate: 26.80%
-- Flow 3:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 177.700 ms
Loss rate: 19.21%
```

Run 1: Report of PCC-Expr — Data Link

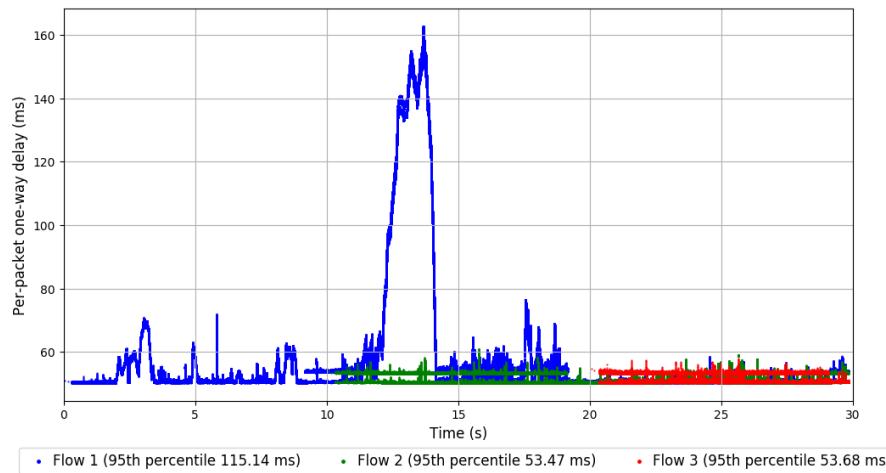
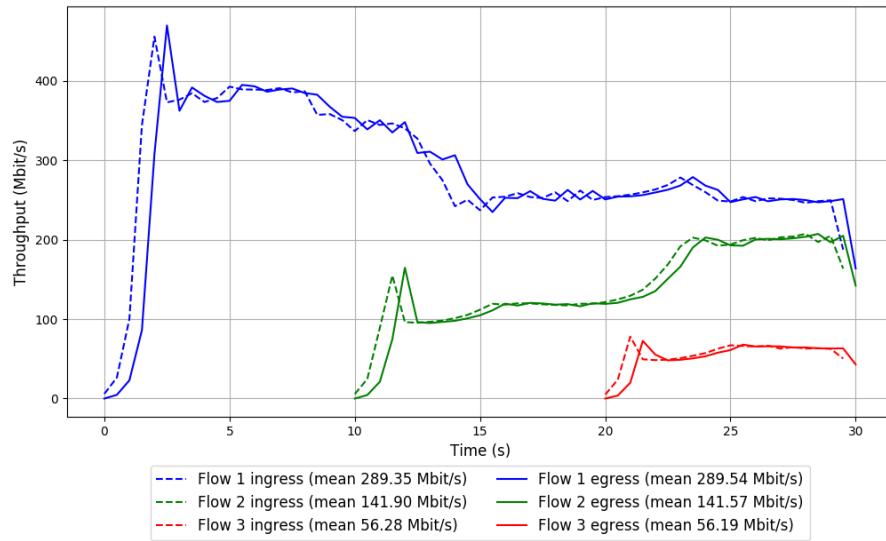


Run 2: Statistics of PCC-Expr

```
Start at: 2018-05-26 15:02:45
End at: 2018-05-26 15:03:15
Local clock offset: 0.066 ms
Remote clock offset: -0.211 ms

# Below is generated by plot.py at 2018-05-26 20:13:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 401.95 Mbit/s
95th percentile per-packet one-way delay: 73.342 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 289.54 Mbit/s
95th percentile per-packet one-way delay: 115.136 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 141.57 Mbit/s
95th percentile per-packet one-way delay: 53.466 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 53.676 ms
Loss rate: 1.21%
```

Run 2: Report of PCC-Expr — Data Link

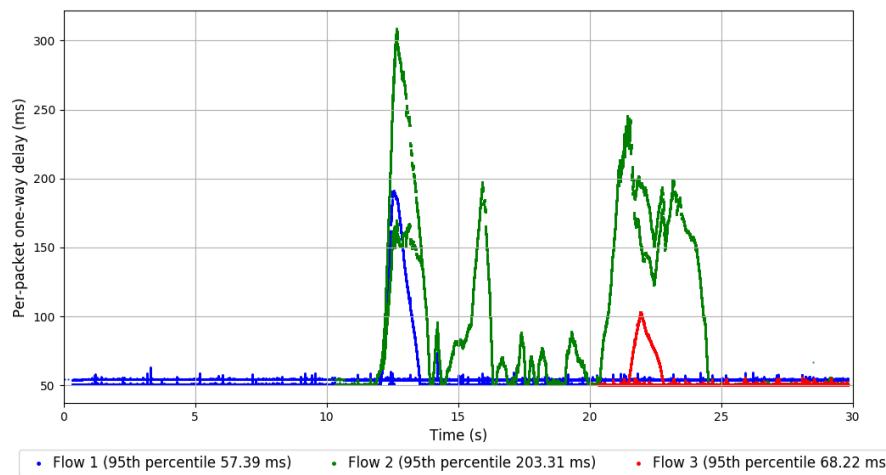
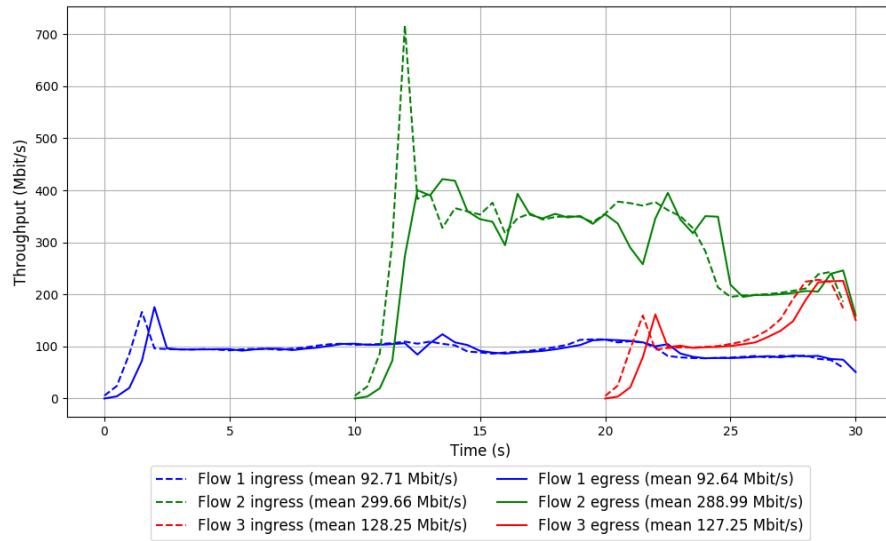


Run 3: Statistics of PCC-Expr

```
Start at: 2018-05-26 15:26:04
End at: 2018-05-26 15:26:34
Local clock offset: 0.029 ms
Remote clock offset: -0.227 ms

# Below is generated by plot.py at 2018-05-26 20:13:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 326.28 Mbit/s
95th percentile per-packet one-way delay: 189.479 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 57.391 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 288.99 Mbit/s
95th percentile per-packet one-way delay: 203.308 ms
Loss rate: 4.07%
-- Flow 3:
Average throughput: 127.25 Mbit/s
95th percentile per-packet one-way delay: 68.225 ms
Loss rate: 1.80%
```

Run 3: Report of PCC-Expr — Data Link

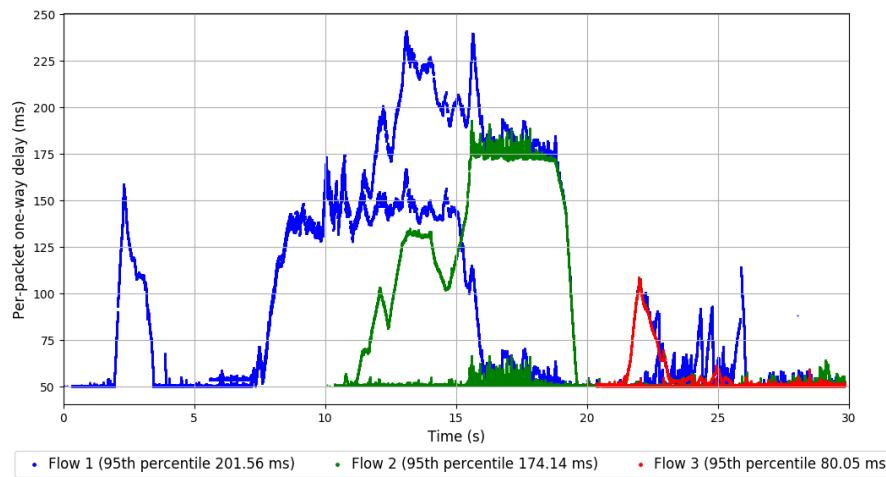
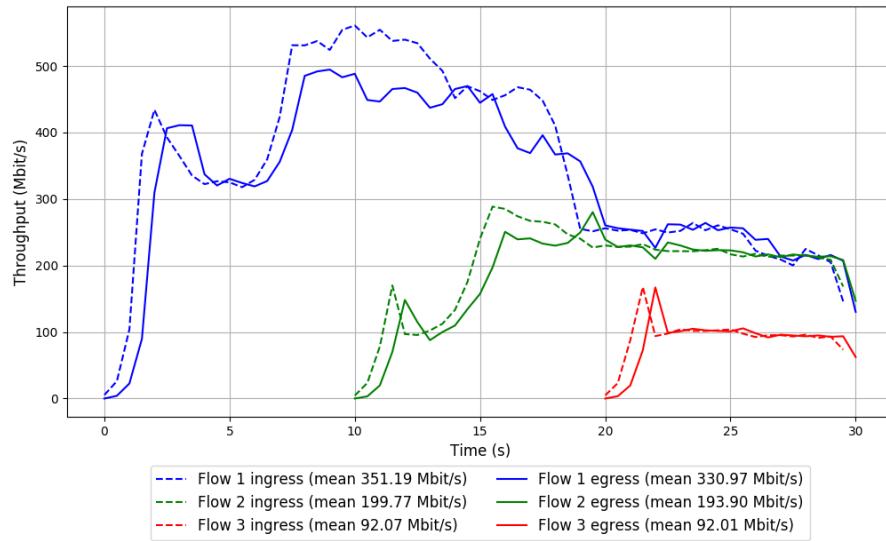


Run 4: Statistics of PCC-Expr

```
Start at: 2018-05-26 15:49:39
End at: 2018-05-26 15:50:09
Local clock offset: 0.114 ms
Remote clock offset: 0.084 ms

# Below is generated by plot.py at 2018-05-26 20:17:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 489.85 Mbit/s
95th percentile per-packet one-way delay: 191.783 ms
Loss rate: 5.10%
-- Flow 1:
Average throughput: 330.97 Mbit/s
95th percentile per-packet one-way delay: 201.561 ms
Loss rate: 6.08%
-- Flow 2:
Average throughput: 193.90 Mbit/s
95th percentile per-packet one-way delay: 174.143 ms
Loss rate: 3.44%
-- Flow 3:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 80.053 ms
Loss rate: 1.10%
```

Run 4: Report of PCC-Expr — Data Link

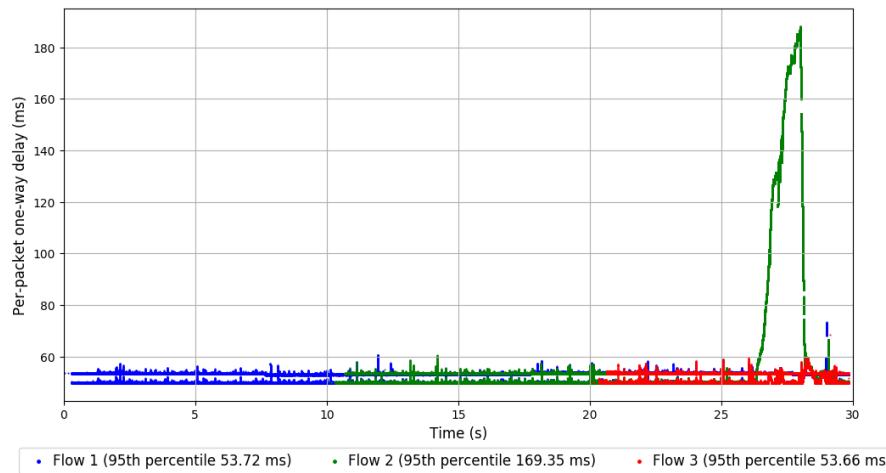
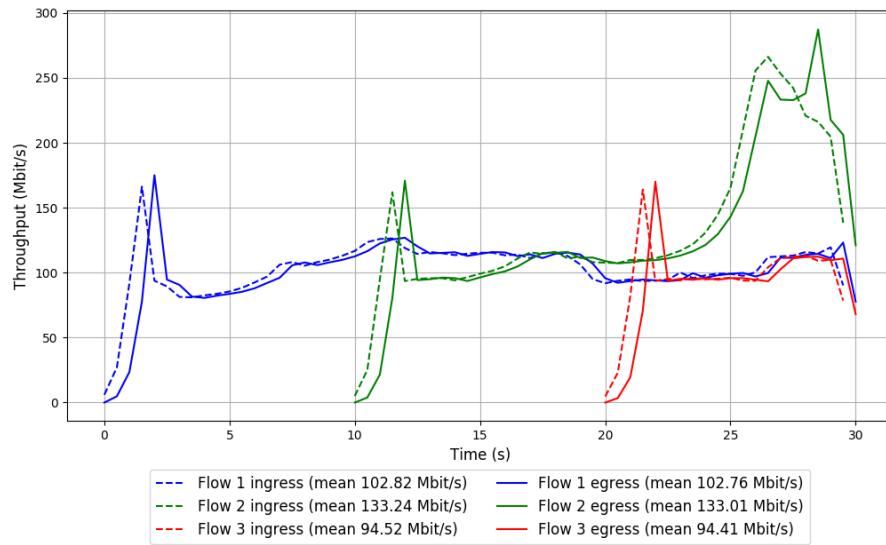


Run 5: Statistics of PCC-Expr

```
Start at: 2018-05-26 16:12:57
End at: 2018-05-26 16:13:27
Local clock offset: -0.072 ms
Remote clock offset: 0.17 ms

# Below is generated by plot.py at 2018-05-26 20:17:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 222.02 Mbit/s
95th percentile per-packet one-way delay: 94.310 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 102.76 Mbit/s
95th percentile per-packet one-way delay: 53.719 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 133.01 Mbit/s
95th percentile per-packet one-way delay: 169.355 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 53.655 ms
Loss rate: 1.13%
```

Run 5: Report of PCC-Expr — Data Link

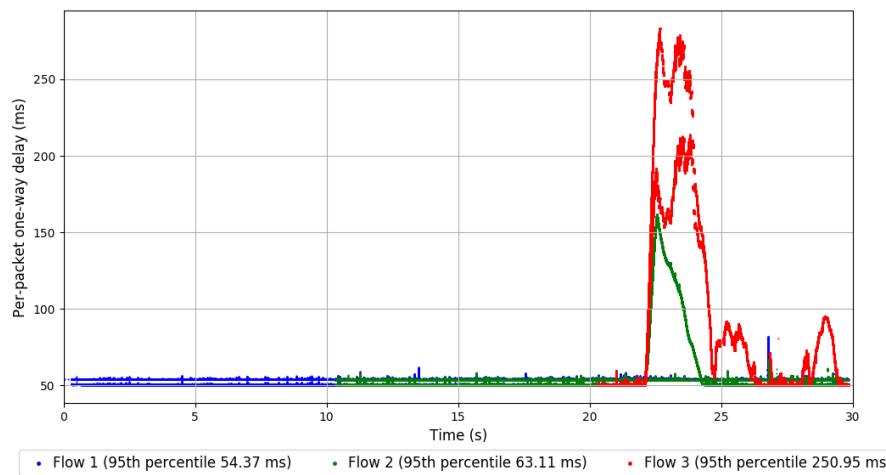
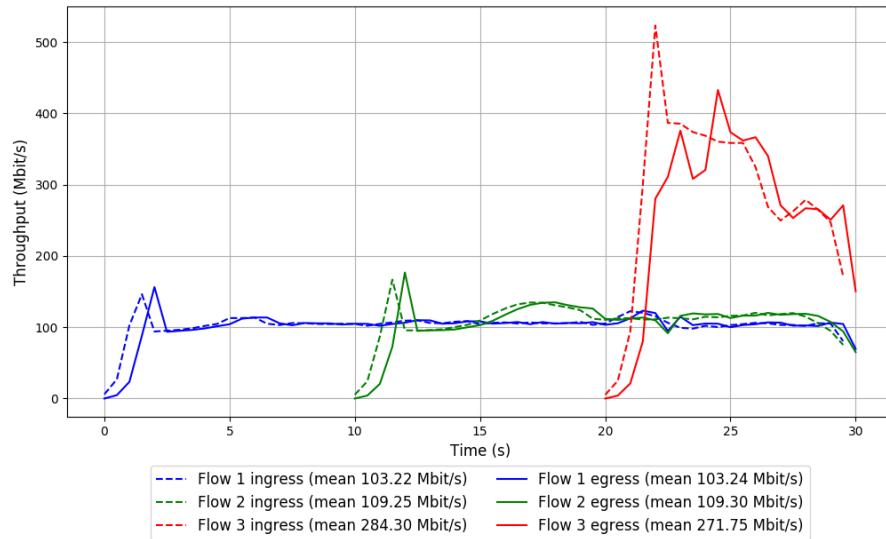


Run 6: Statistics of PCC-Expr

```
Start at: 2018-05-26 16:36:00
End at: 2018-05-26 16:36:30
Local clock offset: 0.093 ms
Remote clock offset: -0.439 ms

# Below is generated by plot.py at 2018-05-26 20:17:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 264.90 Mbit/s
95th percentile per-packet one-way delay: 179.446 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 103.24 Mbit/s
95th percentile per-packet one-way delay: 54.366 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 109.30 Mbit/s
95th percentile per-packet one-way delay: 63.112 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 271.75 Mbit/s
95th percentile per-packet one-way delay: 250.952 ms
Loss rate: 5.40%
```

Run 6: Report of PCC-Expr — Data Link

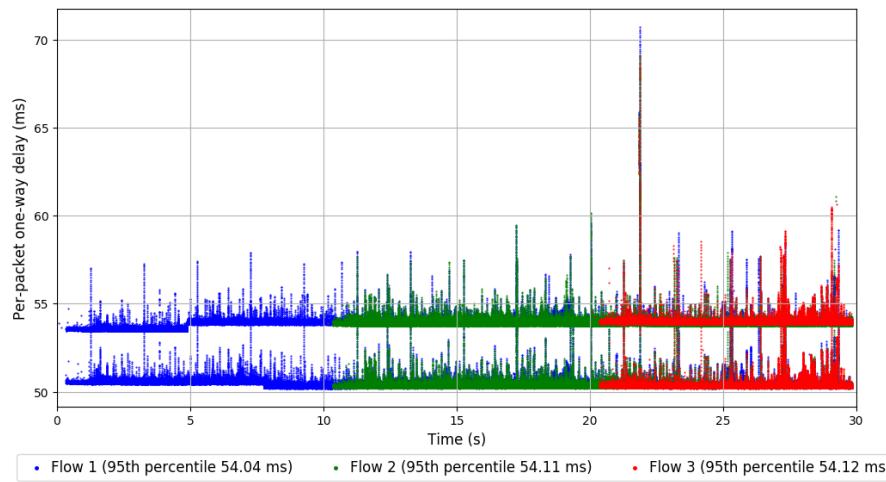
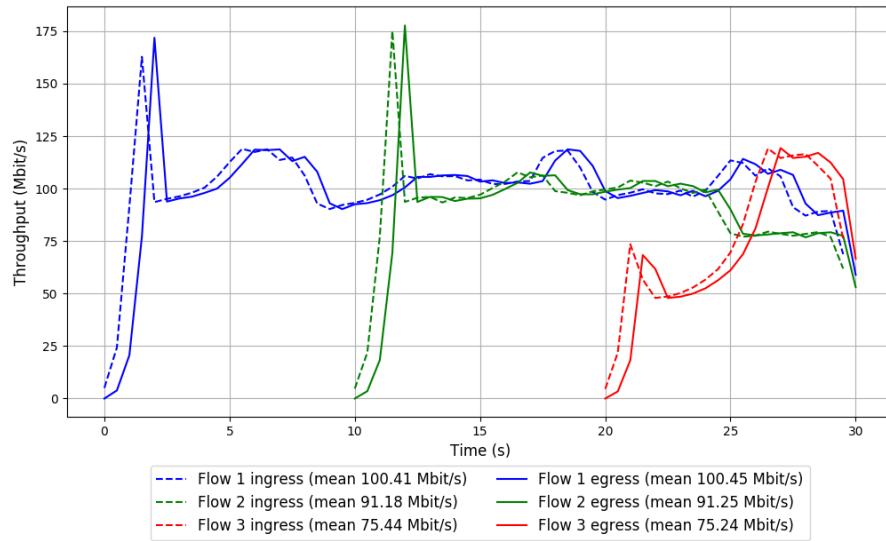


Run 7: Statistics of PCC-Expr

```
Start at: 2018-05-26 16:58:40
End at: 2018-05-26 16:59:10
Local clock offset: 0.218 ms
Remote clock offset: -0.272 ms

# Below is generated by plot.py at 2018-05-26 20:17:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 185.67 Mbit/s
95th percentile per-packet one-way delay: 54.081 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 100.45 Mbit/s
95th percentile per-packet one-way delay: 54.043 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 91.25 Mbit/s
95th percentile per-packet one-way delay: 54.111 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 75.24 Mbit/s
95th percentile per-packet one-way delay: 54.117 ms
Loss rate: 1.33%
```

Run 7: Report of PCC-Expr — Data Link

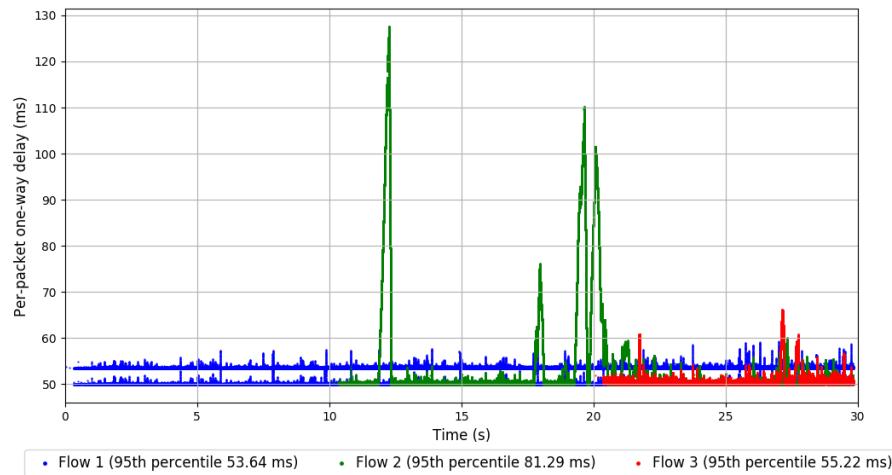
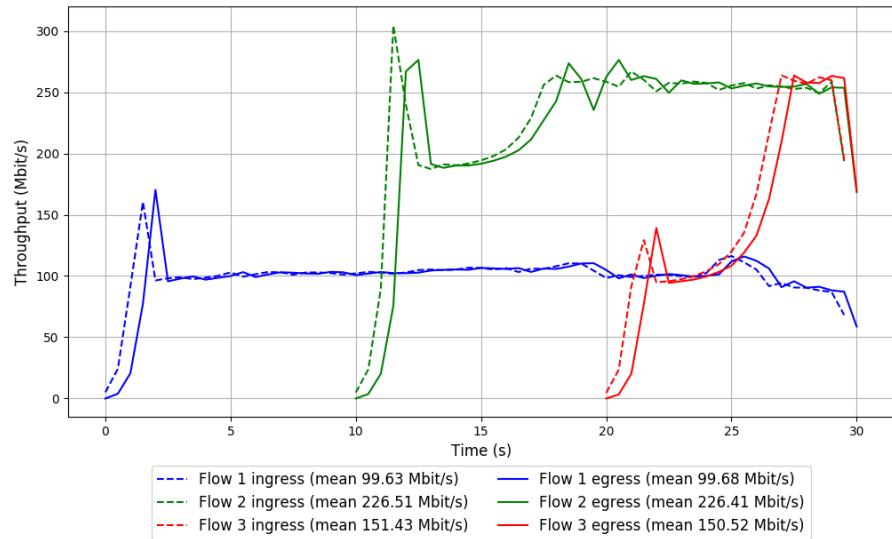


Run 8: Statistics of PCC-Expr

```
Start at: 2018-05-26 17:21:51
End at: 2018-05-26 17:22:21
Local clock offset: -0.085 ms
Remote clock offset: 0.072 ms

# Below is generated by plot.py at 2018-05-26 20:17:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 299.31 Mbit/s
95th percentile per-packet one-way delay: 60.991 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 99.68 Mbit/s
95th percentile per-packet one-way delay: 53.638 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 226.41 Mbit/s
95th percentile per-packet one-way delay: 81.289 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 150.52 Mbit/s
95th percentile per-packet one-way delay: 55.220 ms
Loss rate: 1.66%
```

Run 8: Report of PCC-Expr — Data Link

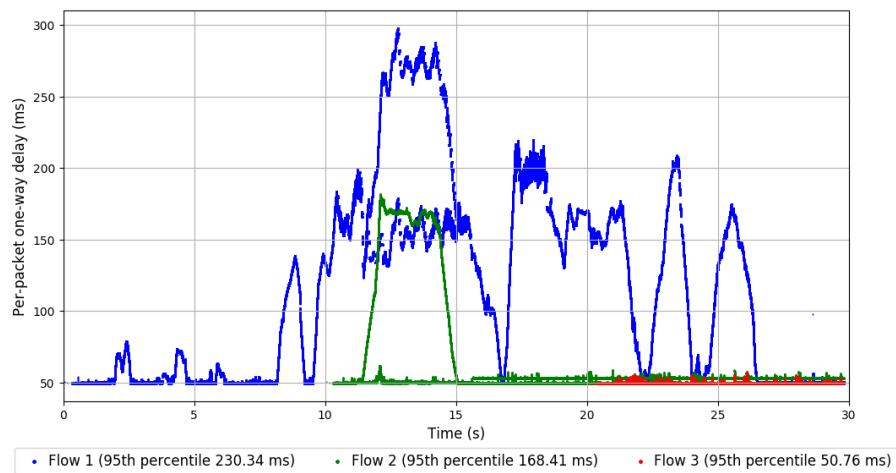
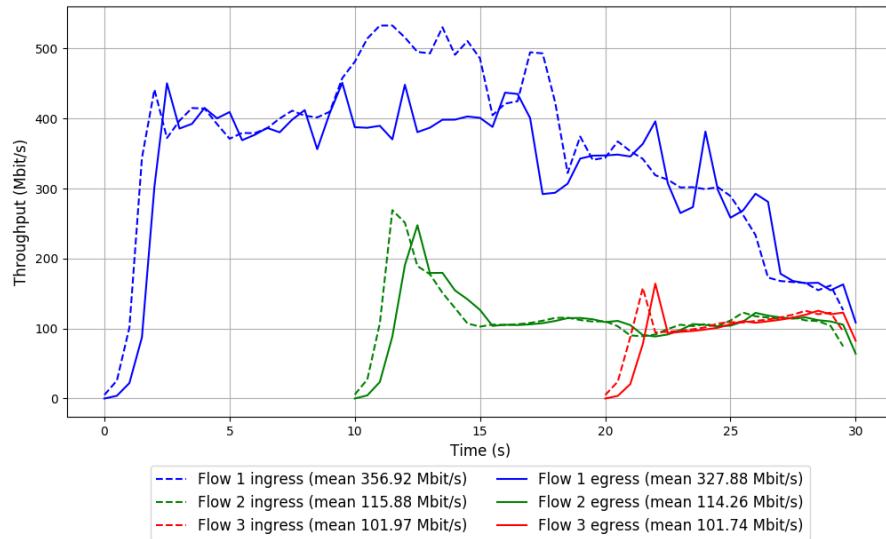


Run 9: Statistics of PCC-Expr

```
Start at: 2018-05-26 17:45:19
End at: 2018-05-26 17:45:49
Local clock offset: 0.014 ms
Remote clock offset: 0.365 ms

# Below is generated by plot.py at 2018-05-26 20:24:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 437.08 Mbit/s
95th percentile per-packet one-way delay: 204.204 ms
Loss rate: 6.85%
-- Flow 1:
Average throughput: 327.88 Mbit/s
95th percentile per-packet one-way delay: 230.336 ms
Loss rate: 8.45%
-- Flow 2:
Average throughput: 114.26 Mbit/s
95th percentile per-packet one-way delay: 168.415 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 101.74 Mbit/s
95th percentile per-packet one-way delay: 50.760 ms
Loss rate: 1.26%
```

Run 9: Report of PCC-Expr — Data Link

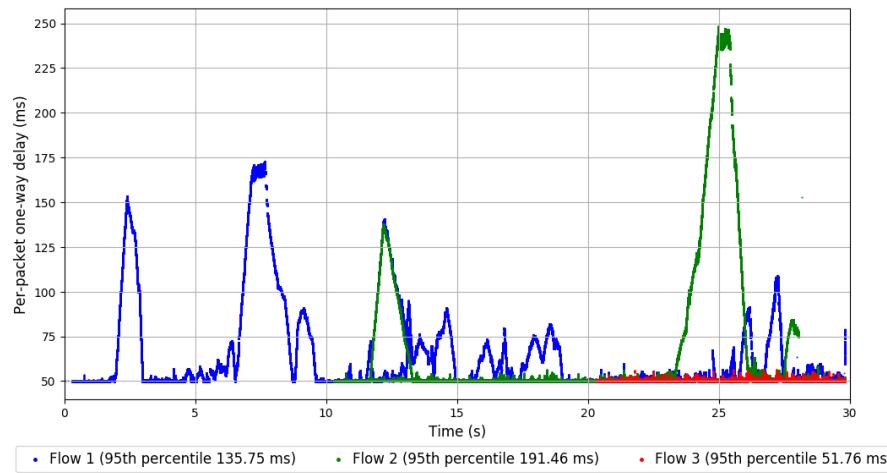
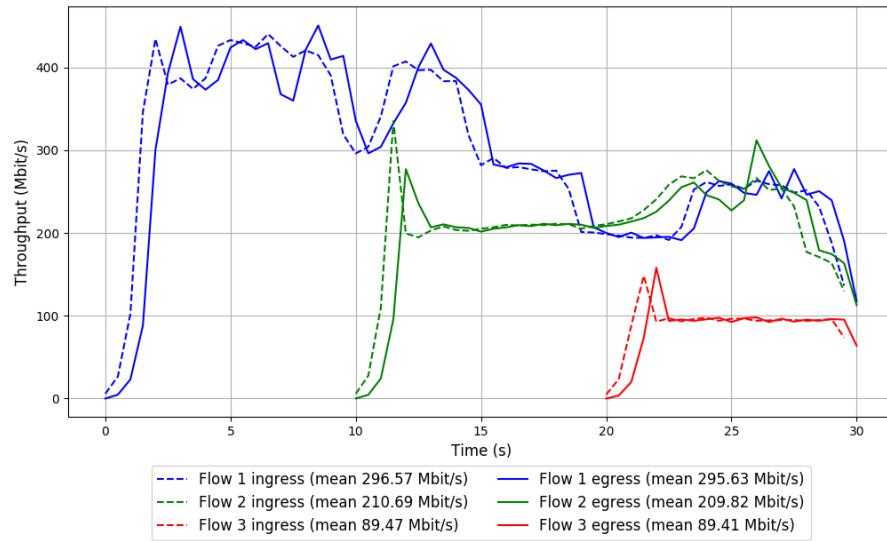


Run 10: Statistics of PCC-Expr

```
Start at: 2018-05-26 18:08:50
End at: 2018-05-26 18:09:20
Local clock offset: 0.012 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 464.25 Mbit/s
95th percentile per-packet one-way delay: 142.152 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 295.63 Mbit/s
95th percentile per-packet one-way delay: 135.746 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 209.82 Mbit/s
95th percentile per-packet one-way delay: 191.460 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 89.41 Mbit/s
95th percentile per-packet one-way delay: 51.757 ms
Loss rate: 1.10%
```

Run 10: Report of PCC-Expr — Data Link

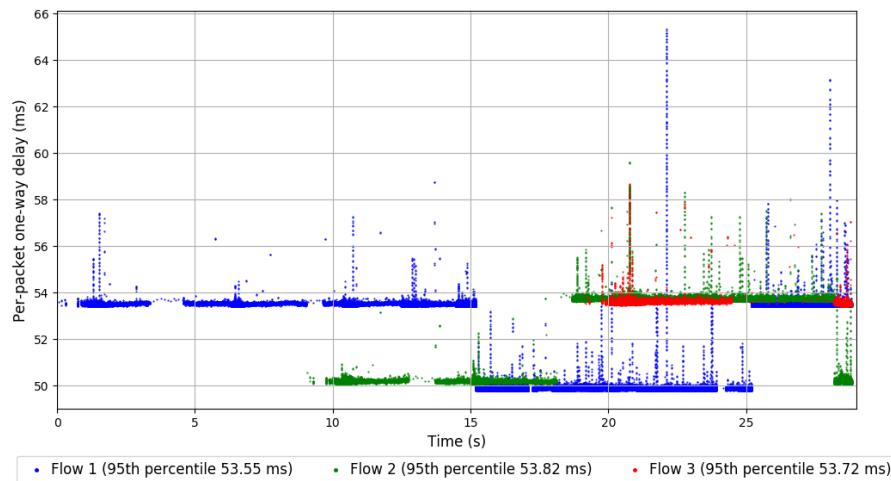
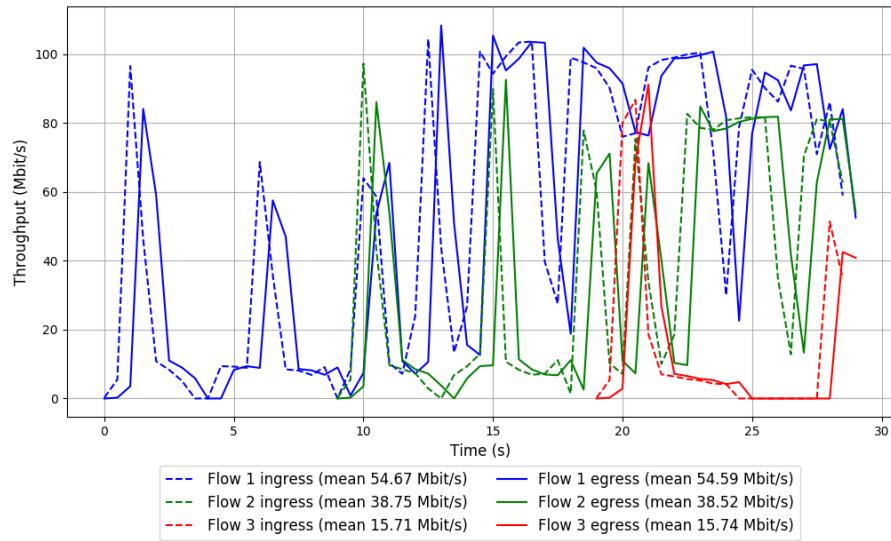


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2018-05-26 14:31:48
End at: 2018-05-26 14:32:18
Local clock offset: 0.055 ms
Remote clock offset: 0.126 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.39 Mbit/s
95th percentile per-packet one-way delay: 53.759 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 54.59 Mbit/s
95th percentile per-packet one-way delay: 53.554 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 38.52 Mbit/s
95th percentile per-packet one-way delay: 53.817 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 53.724 ms
Loss rate: 0.90%
```

Run 1: Report of QUIC Cubic — Data Link

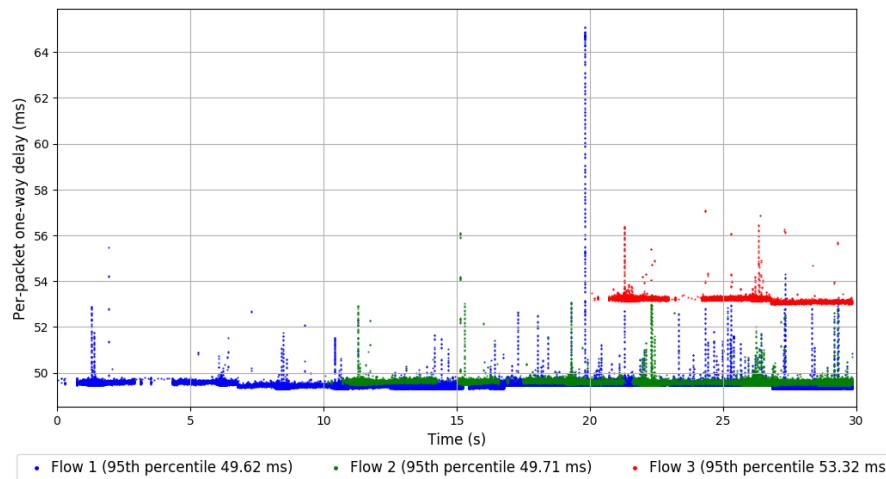
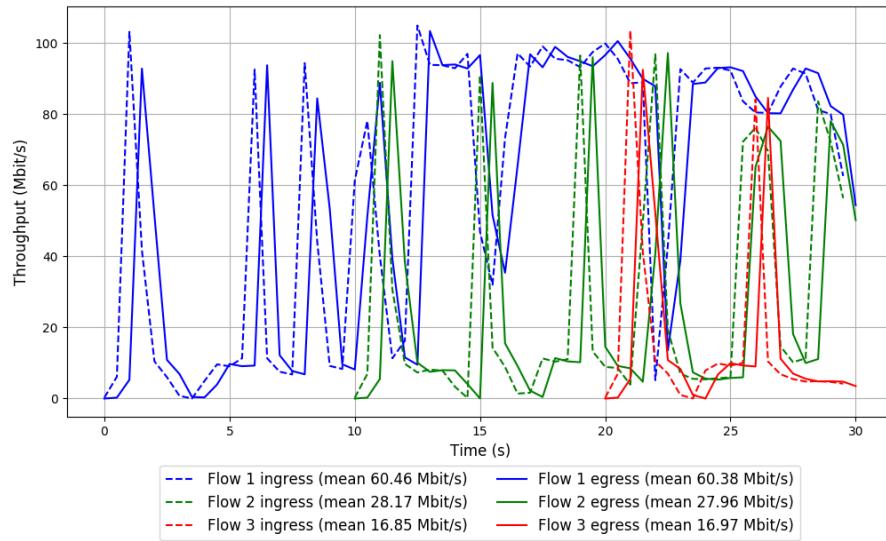


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-26 14:54:48
End at: 2018-05-26 14:55:18
Local clock offset: -0.283 ms
Remote clock offset: 0.256 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.52 Mbit/s
95th percentile per-packet one-way delay: 53.190 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 60.38 Mbit/s
95th percentile per-packet one-way delay: 49.616 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 27.96 Mbit/s
95th percentile per-packet one-way delay: 49.713 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 16.97 Mbit/s
95th percentile per-packet one-way delay: 53.324 ms
Loss rate: 0.35%
```

Run 2: Report of QUIC Cubic — Data Link

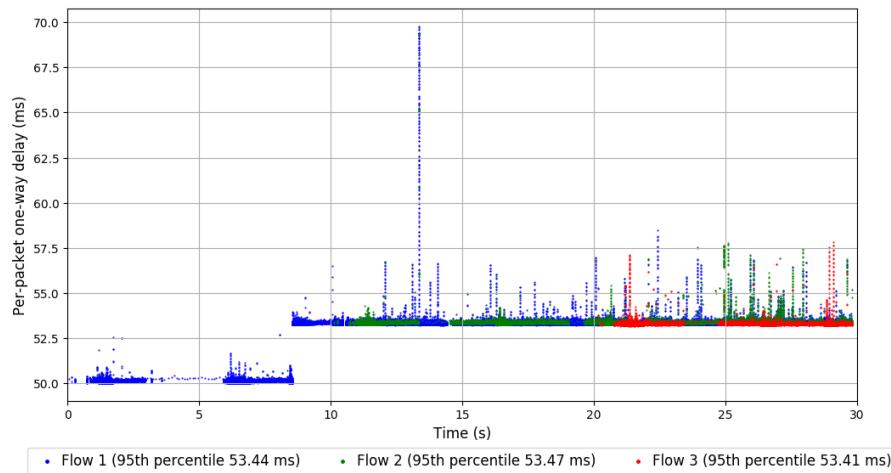
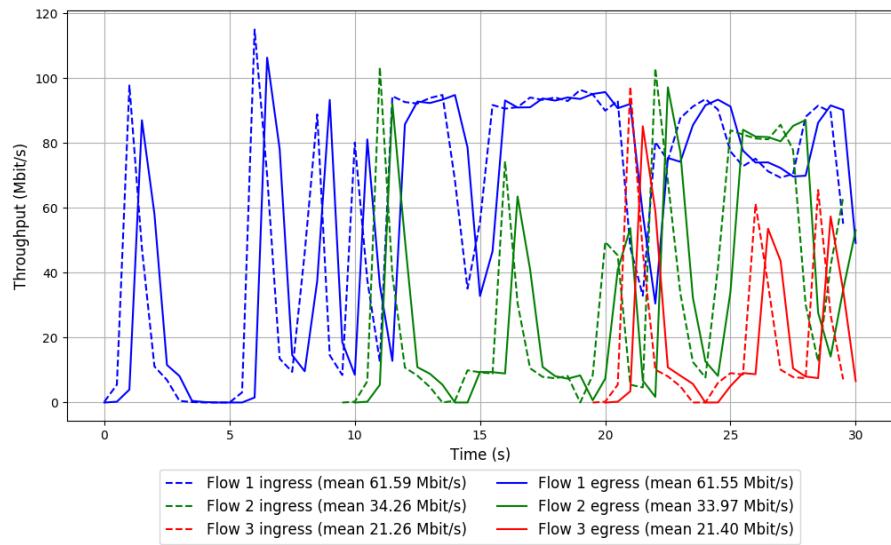


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-26 15:17:59
End at: 2018-05-26 15:18:29
Local clock offset: 0.089 ms
Remote clock offset: 0.265 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 53.447 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 53.440 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 33.97 Mbit/s
95th percentile per-packet one-way delay: 53.468 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 21.40 Mbit/s
95th percentile per-packet one-way delay: 53.407 ms
Loss rate: 0.43%
```

Run 3: Report of QUIC Cubic — Data Link

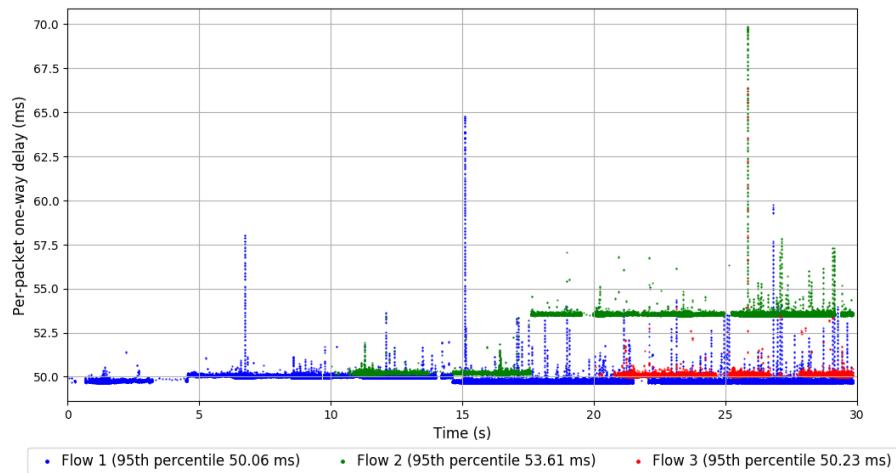
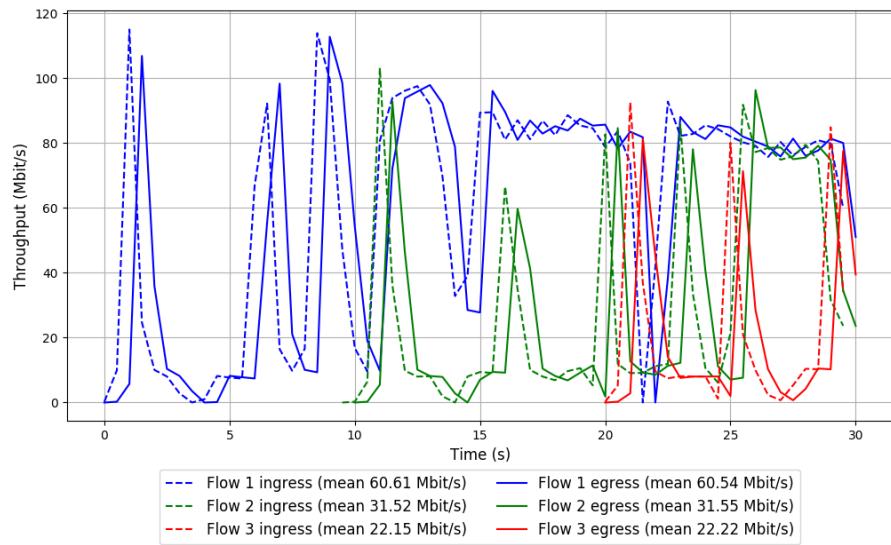


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-26 15:41:40
End at: 2018-05-26 15:42:10
Local clock offset: -0.14 ms
Remote clock offset: 0.103 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 53.548 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 60.54 Mbit/s
95th percentile per-packet one-way delay: 50.063 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 53.612 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 22.22 Mbit/s
95th percentile per-packet one-way delay: 50.227 ms
Loss rate: 0.70%
```

Run 4: Report of QUIC Cubic — Data Link

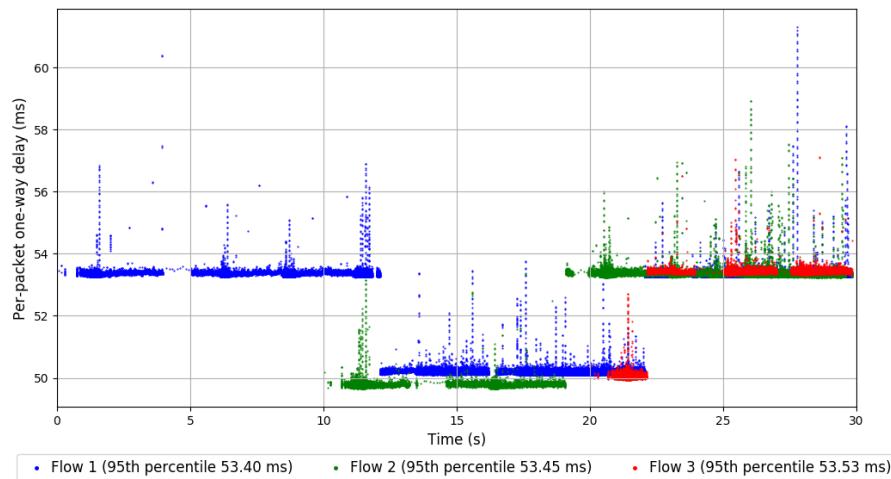
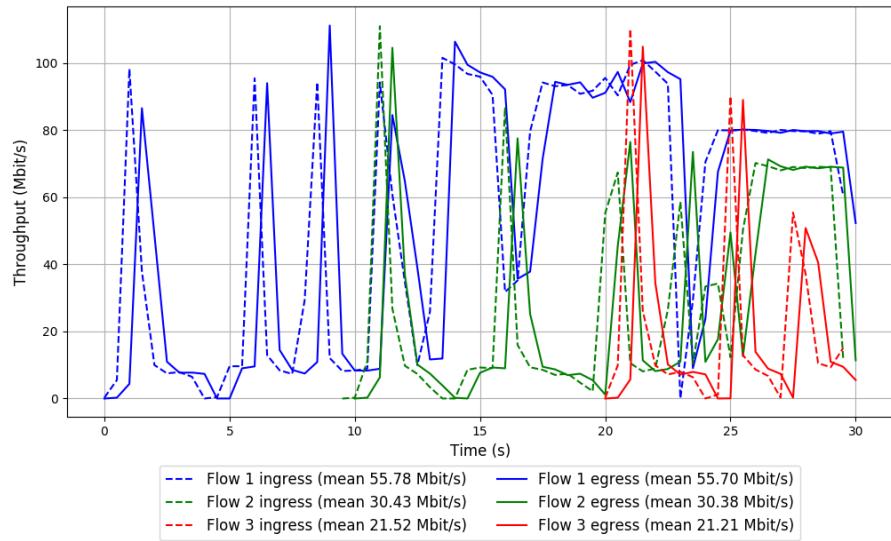


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-26 16:05:05
End at: 2018-05-26 16:05:35
Local clock offset: -0.269 ms
Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.84 Mbit/s
95th percentile per-packet one-way delay: 53.438 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 55.70 Mbit/s
95th percentile per-packet one-way delay: 53.403 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 30.38 Mbit/s
95th percentile per-packet one-way delay: 53.455 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 53.527 ms
Loss rate: 2.45%
```

Run 5: Report of QUIC Cubic — Data Link

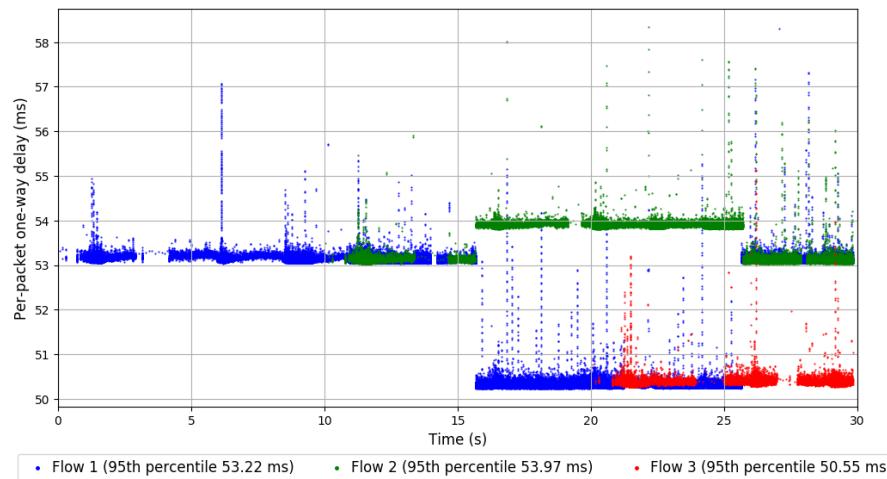
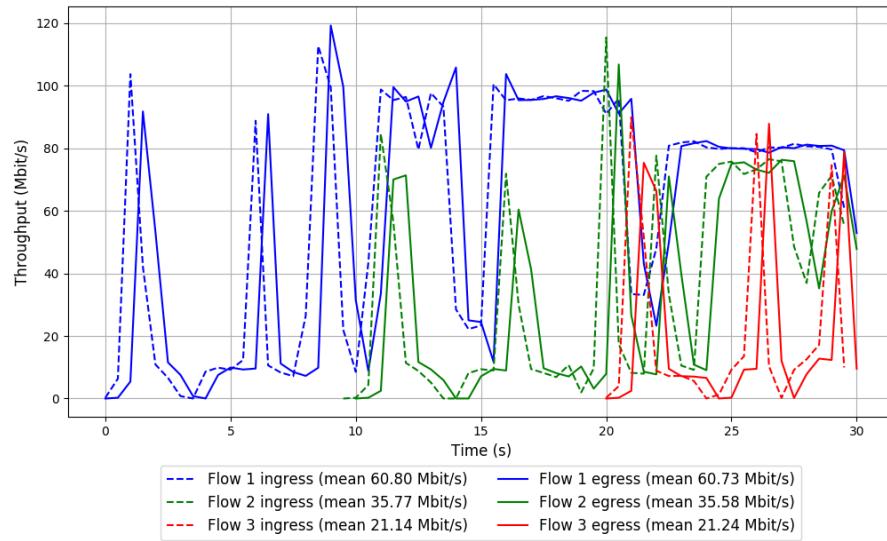


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-26 16:27:59
End at: 2018-05-26 16:28:29
Local clock offset: 0.021 ms
Remote clock offset: -0.16 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.33 Mbit/s
95th percentile per-packet one-way delay: 53.906 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 60.73 Mbit/s
95th percentile per-packet one-way delay: 53.216 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 35.58 Mbit/s
95th percentile per-packet one-way delay: 53.966 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 50.546 ms
Loss rate: 0.53%
```

Run 6: Report of QUIC Cubic — Data Link

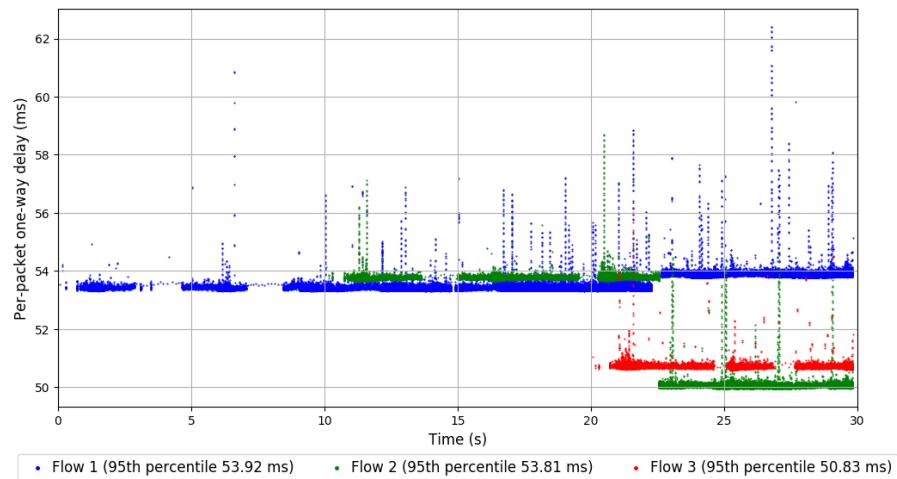
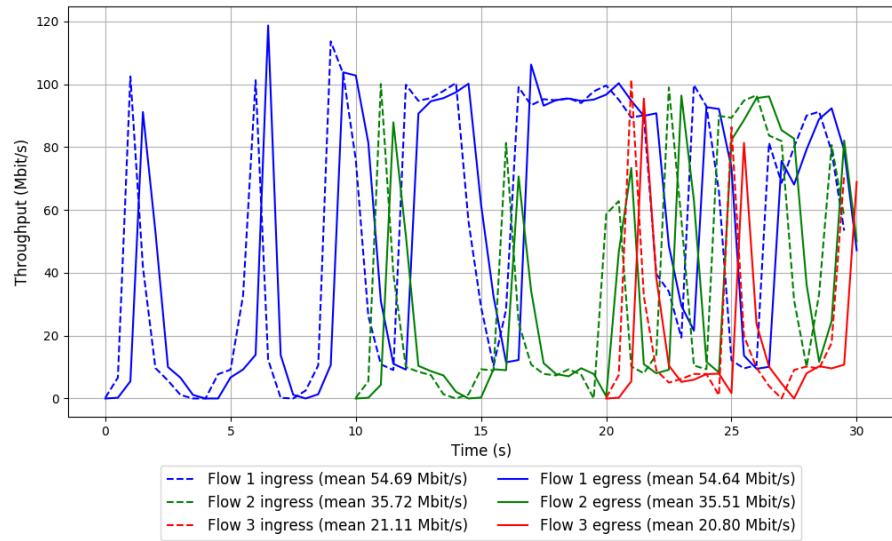


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-26 16:50:52
End at: 2018-05-26 16:51:22
Local clock offset: 0.058 ms
Remote clock offset: -0.251 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.04 Mbit/s
95th percentile per-packet one-way delay: 53.901 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 54.64 Mbit/s
95th percentile per-packet one-way delay: 53.922 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 53.815 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 50.826 ms
Loss rate: 2.48%
```

Run 7: Report of QUIC Cubic — Data Link

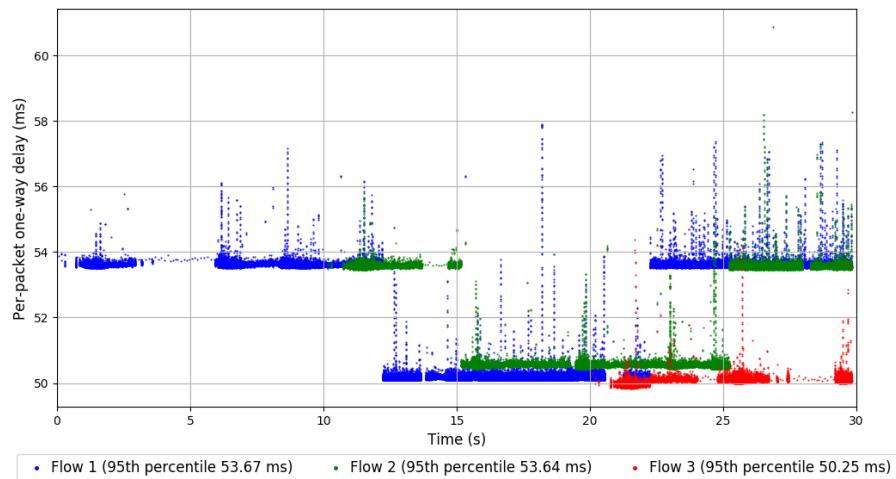
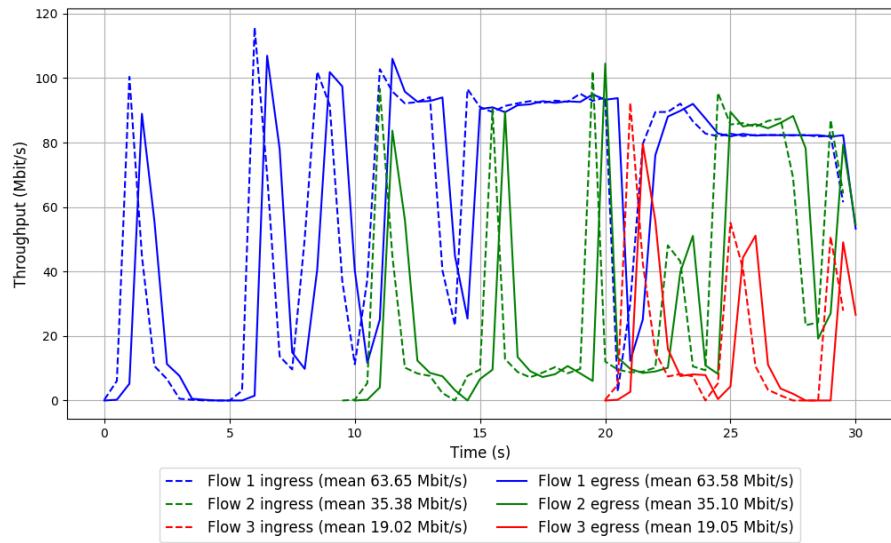


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-26 17:13:42
End at: 2018-05-26 17:14:12
Local clock offset: 0.045 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 53.658 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 63.58 Mbit/s
95th percentile per-packet one-way delay: 53.666 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 35.10 Mbit/s
95th percentile per-packet one-way delay: 53.642 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 19.05 Mbit/s
95th percentile per-packet one-way delay: 50.253 ms
Loss rate: 0.82%
```

Run 8: Report of QUIC Cubic — Data Link

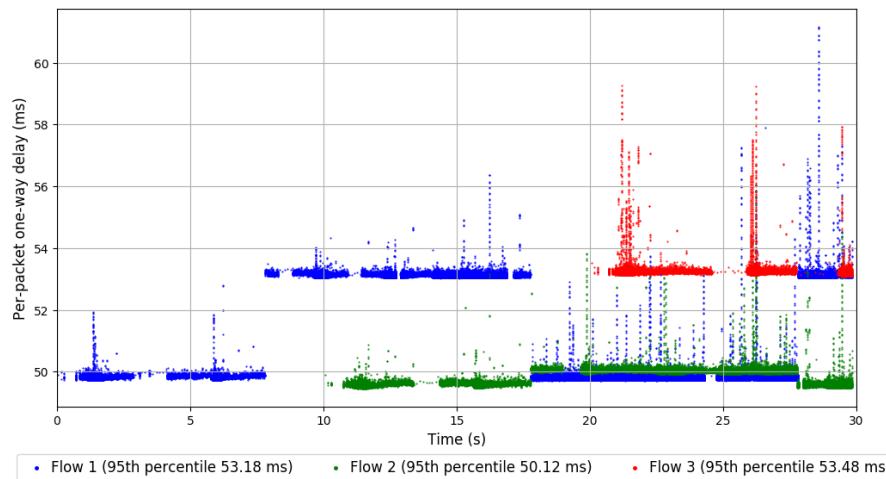
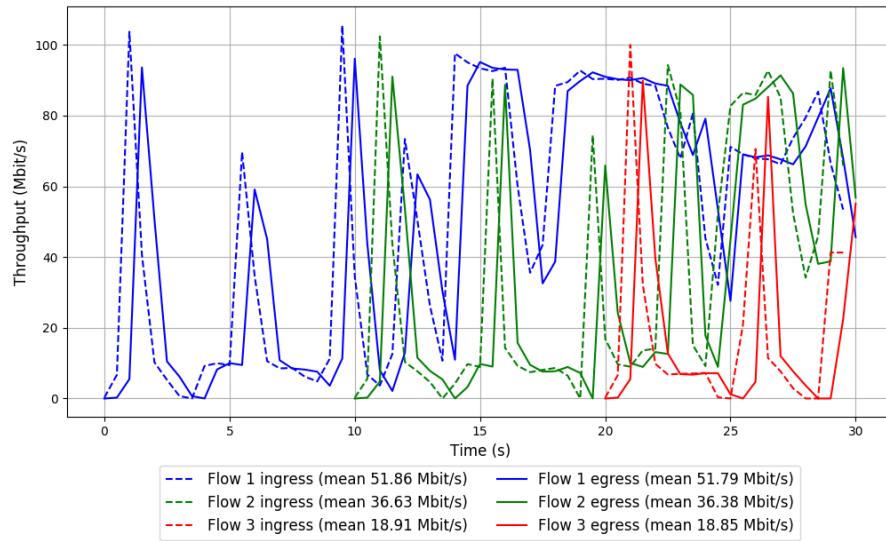


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-26 17:37:17
End at: 2018-05-26 17:37:47
Local clock offset: -0.144 ms
Remote clock offset: 0.292 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.13 Mbit/s
95th percentile per-packet one-way delay: 53.230 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 51.79 Mbit/s
95th percentile per-packet one-way delay: 53.183 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 50.121 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 18.85 Mbit/s
95th percentile per-packet one-way delay: 53.482 ms
Loss rate: 1.33%
```

Run 9: Report of QUIC Cubic — Data Link

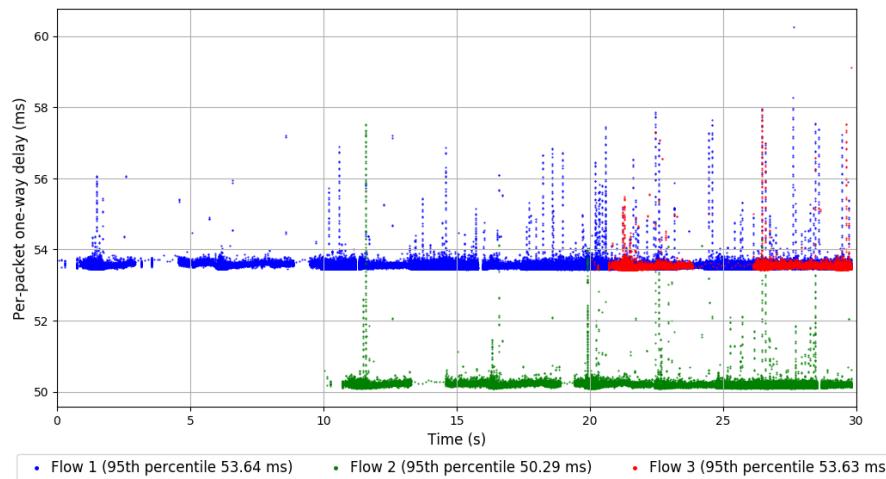
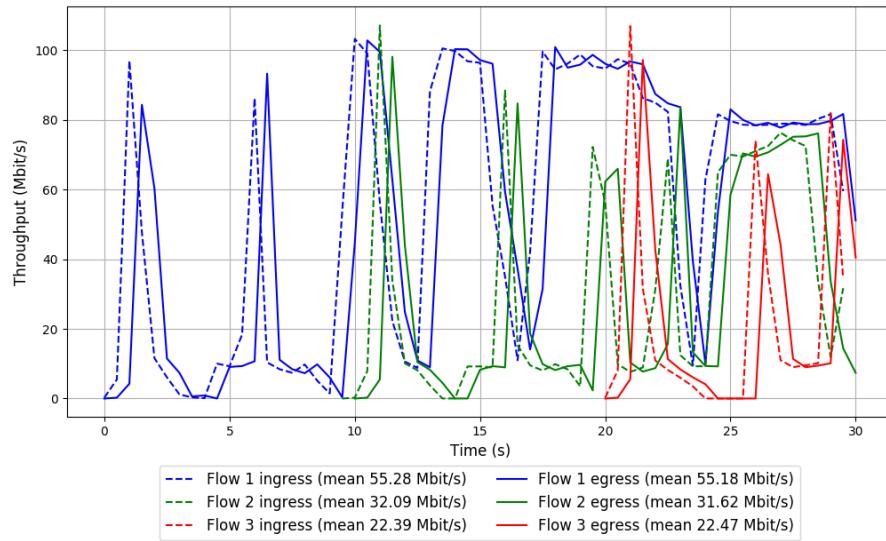


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-26 18:00:40
End at: 2018-05-26 18:01:10
Local clock offset: 0.059 ms
Remote clock offset: 0.079 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.55 Mbit/s
95th percentile per-packet one-way delay: 53.626 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 55.18 Mbit/s
95th percentile per-packet one-way delay: 53.644 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 50.289 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 22.47 Mbit/s
95th percentile per-packet one-way delay: 53.629 ms
Loss rate: 0.64%
```

Run 10: Report of QUIC Cubic — Data Link

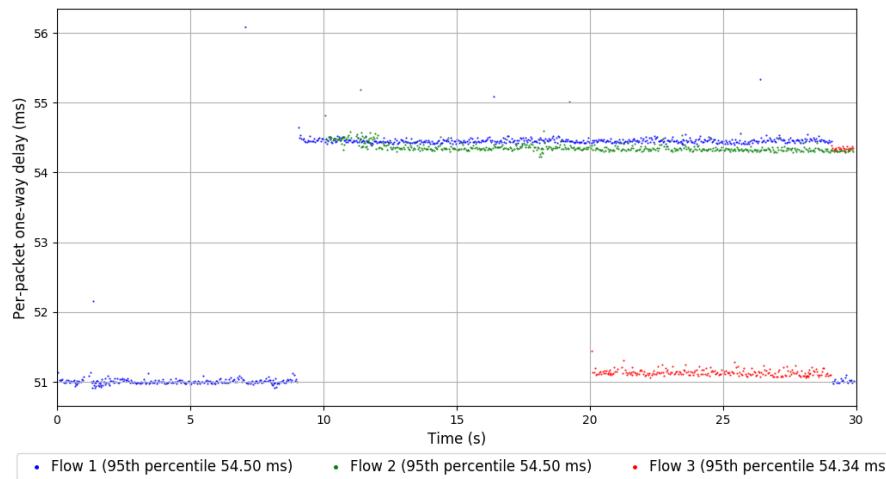
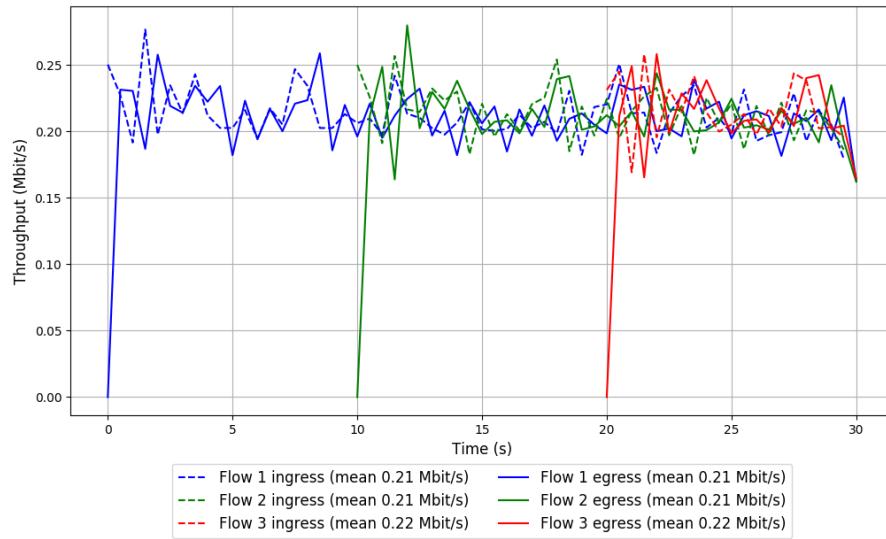


Run 1: Statistics of SCReAM

```
Start at: 2018-05-26 14:24:05
End at: 2018-05-26 14:24:35
Local clock offset: 0.425 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.499 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.503 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.501 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.335 ms
Loss rate: 1.08%
```

Run 1: Report of SCReAM — Data Link

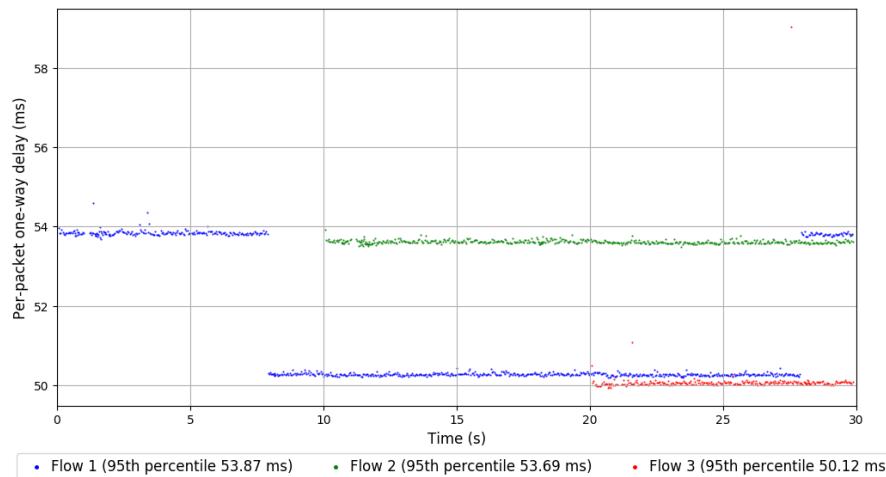
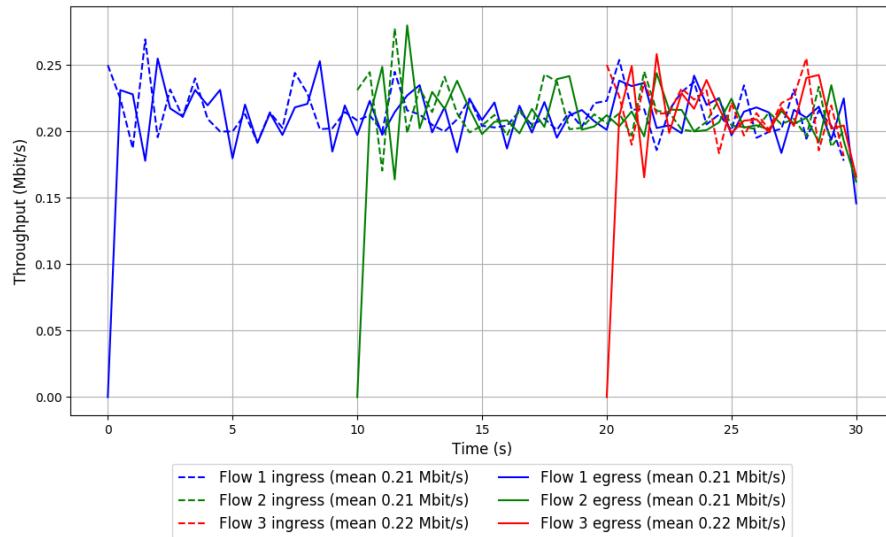


Run 2: Statistics of SCReAM

```
Start at: 2018-05-26 14:47:07
End at: 2018-05-26 14:47:37
Local clock offset: 0.073 ms
Remote clock offset: 0.17 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.849 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.873 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.689 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.123 ms
Loss rate: 1.09%
```

Run 2: Report of SCReAM — Data Link

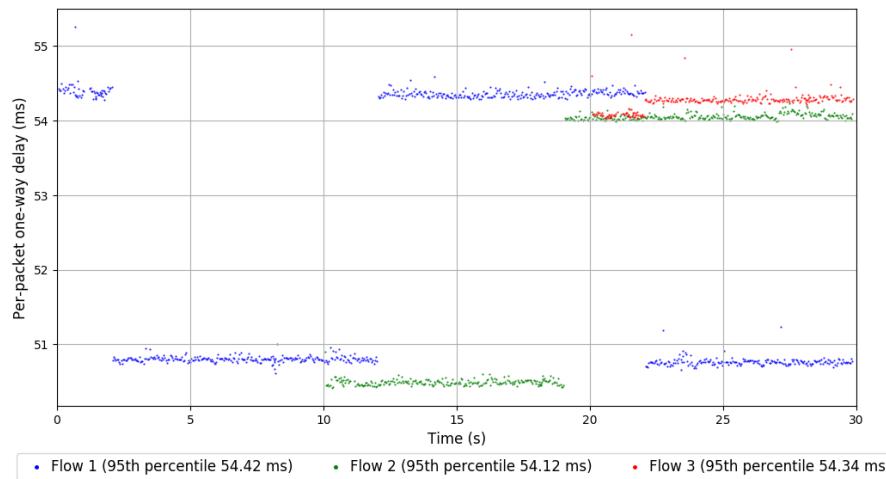
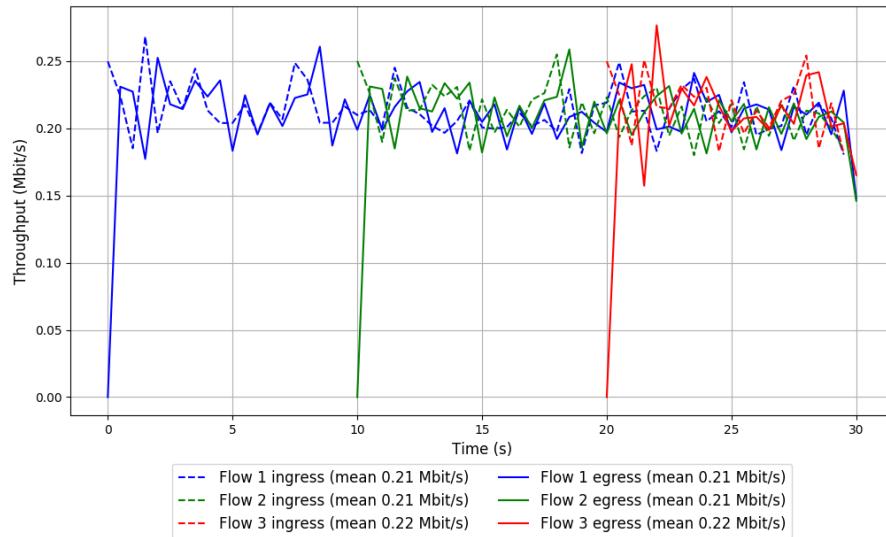


Run 3: Statistics of SCReAM

```
Start at: 2018-05-26 15:10:15
End at: 2018-05-26 15:10:45
Local clock offset: 0.178 ms
Remote clock offset: -0.307 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.395 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.421 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.119 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.340 ms
Loss rate: 1.09%
```

Run 3: Report of SCReAM — Data Link

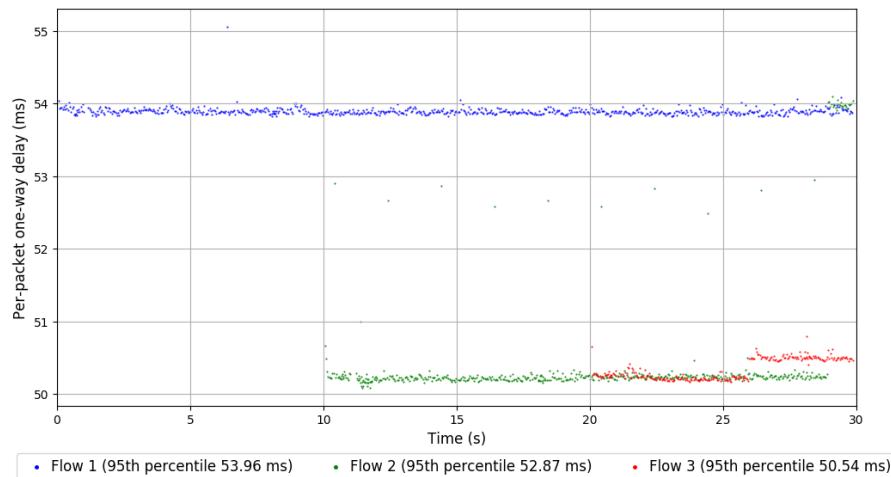
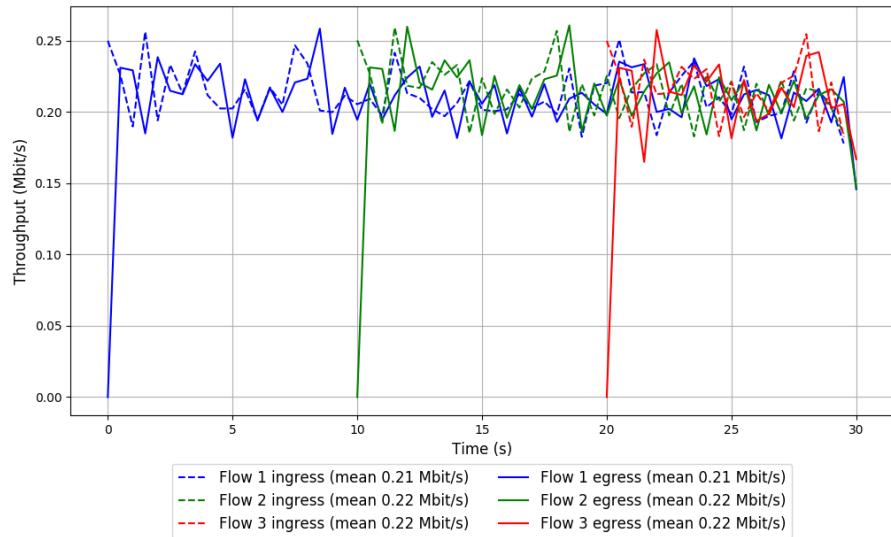


Run 4: Statistics of SCReAM

```
Start at: 2018-05-26 15:33:29
End at: 2018-05-26 15:33:59
Local clock offset: 0.268 ms
Remote clock offset: 0.044 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.951 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.961 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.873 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.544 ms
Loss rate: 1.10%
```

Run 4: Report of SCReAM — Data Link

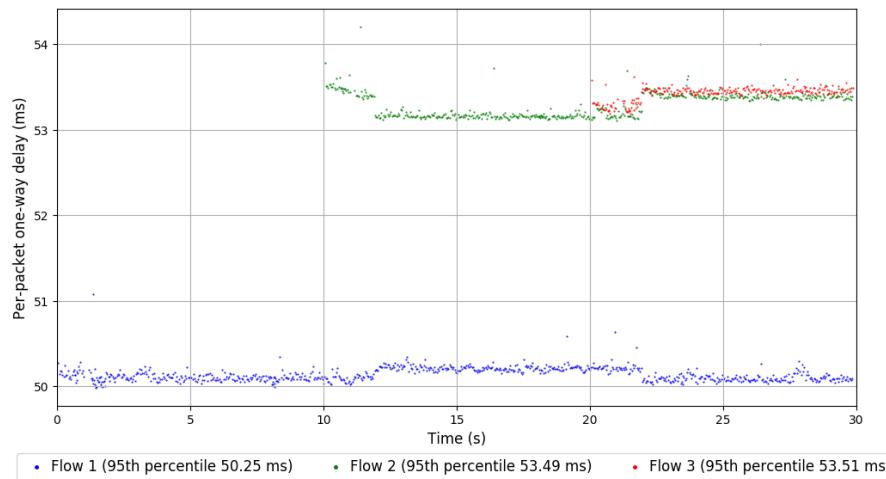
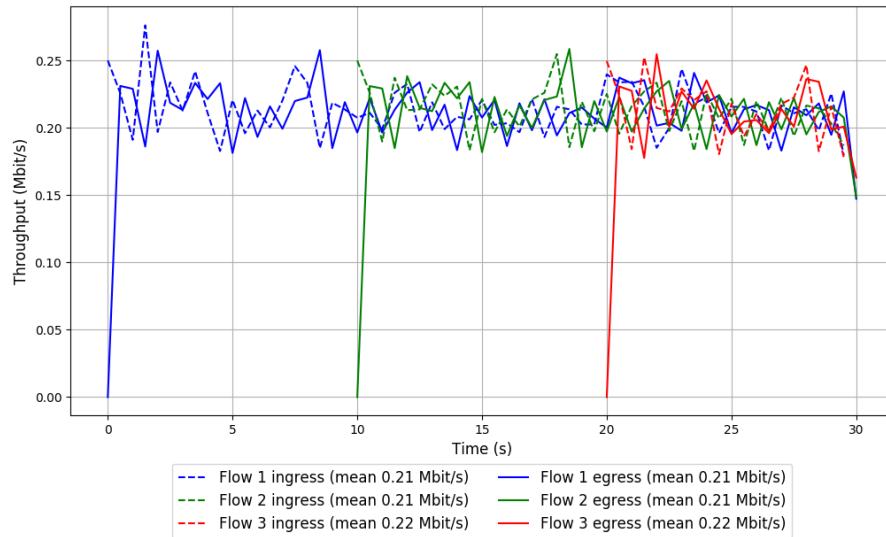


Run 5: Statistics of SCReAM

```
Start at: 2018-05-26 15:57:13
End at: 2018-05-26 15:57:43
Local clock offset: -0.499 ms
Remote clock offset: 0.083 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.482 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.249 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.487 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.508 ms
Loss rate: 1.08%
```

Run 5: Report of SCReAM — Data Link

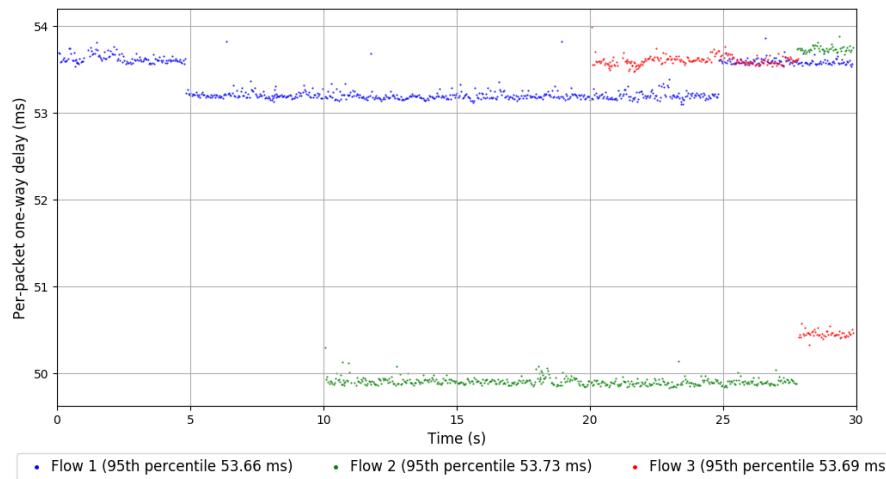
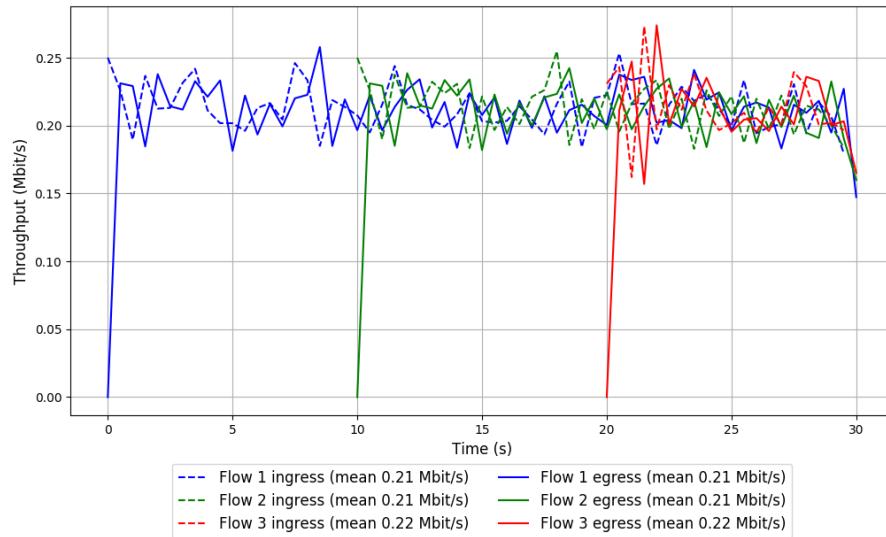


Run 6: Statistics of SCReAM

```
Start at: 2018-05-26 16:20:10
End at: 2018-05-26 16:20:40
Local clock offset: 0.004 ms
Remote clock offset: 0.07 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.694 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.656 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.733 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.685 ms
Loss rate: 1.10%
```

Run 6: Report of SCReAM — Data Link

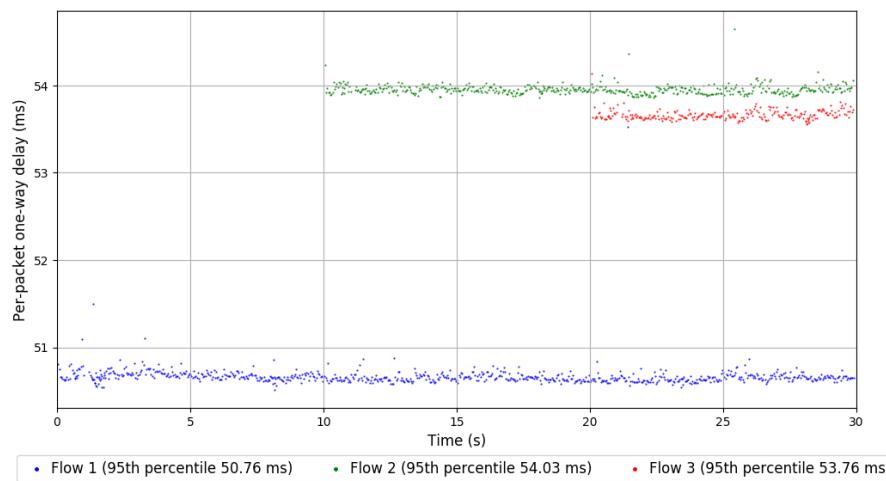
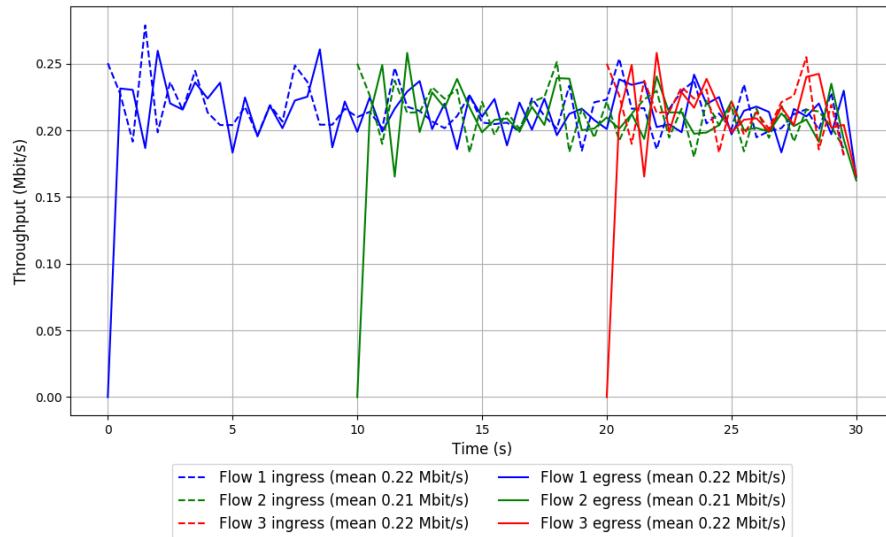


Run 7: Statistics of SCReAM

```
Start at: 2018-05-26 16:43:19
End at: 2018-05-26 16:43:49
Local clock offset: 0.022 ms
Remote clock offset: -0.303 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.997 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.760 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.035 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.757 ms
Loss rate: 1.09%
```

Run 7: Report of SCReAM — Data Link

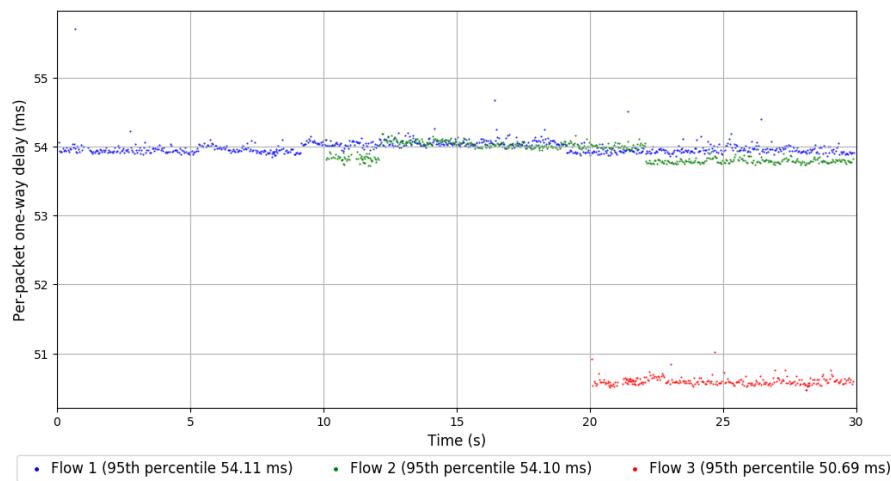
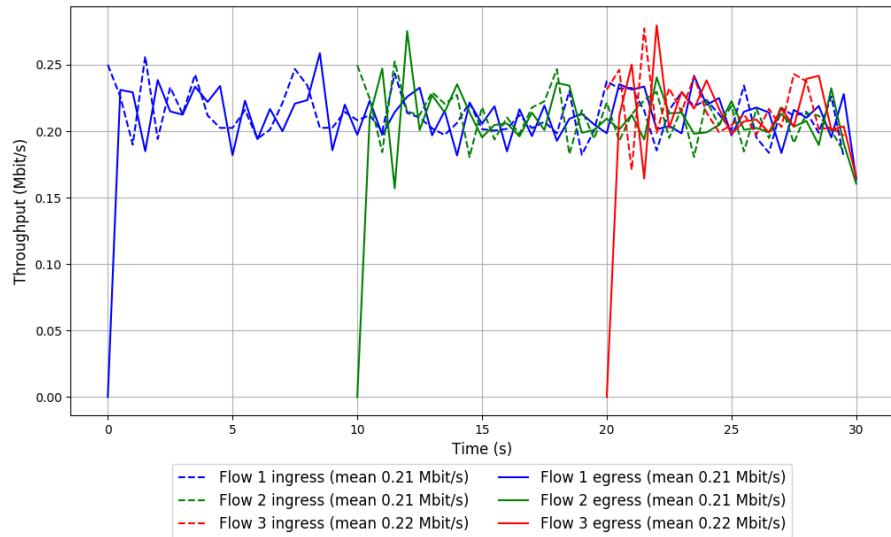


Run 8: Statistics of SCReAM

```
Start at: 2018-05-26 17:05:55
End at: 2018-05-26 17:06:25
Local clock offset: 0.159 ms
Remote clock offset: -0.209 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.098 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.111 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.099 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.693 ms
Loss rate: 1.08%
```

Run 8: Report of SCReAM — Data Link

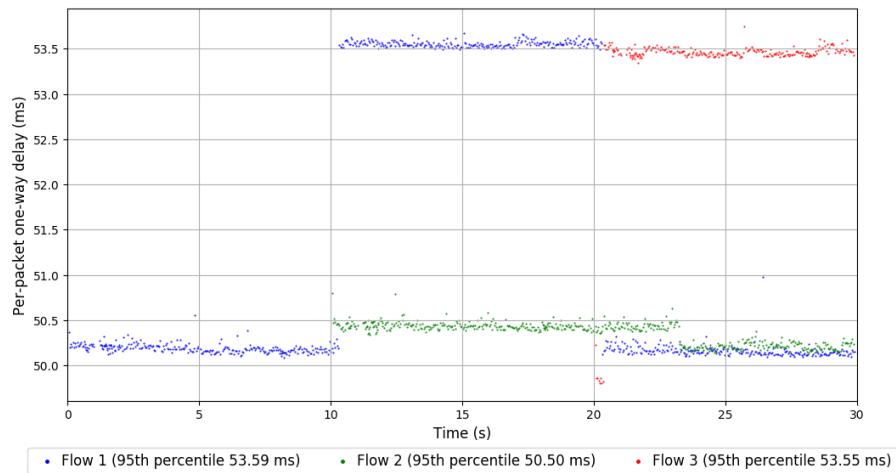
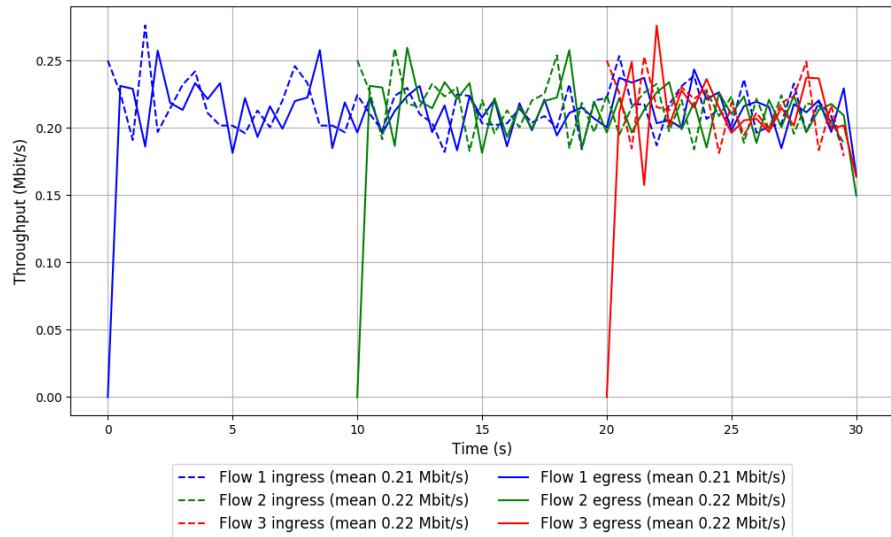


Run 9: Statistics of SCReAM

```
Start at: 2018-05-26 17:29:14
End at: 2018-05-26 17:29:44
Local clock offset: -0.076 ms
Remote clock offset: 0.117 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.571 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.592 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.497 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.545 ms
Loss rate: 1.08%
```

Run 9: Report of SCReAM — Data Link

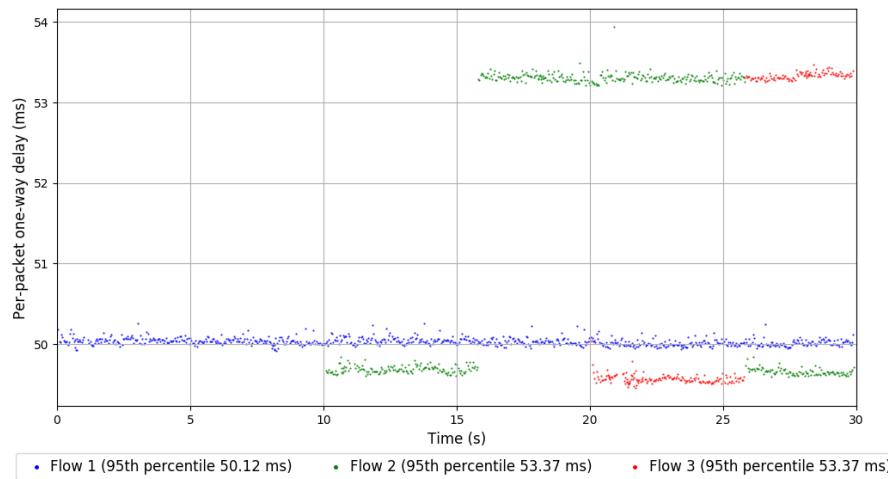
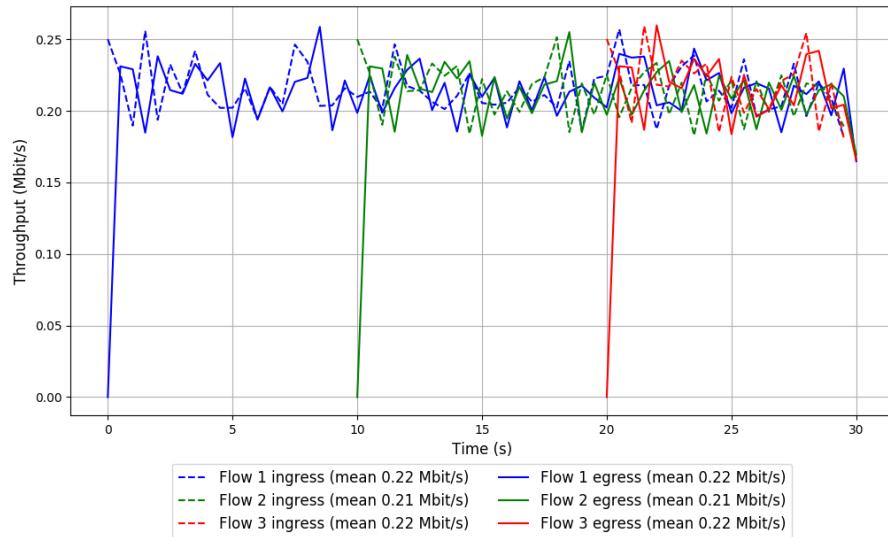


Run 10: Statistics of SCReAM

```
Start at: 2018-05-26 17:52:49
End at: 2018-05-26 17:53:19
Local clock offset: -0.193 ms
Remote clock offset: 0.196 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.345 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.116 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.366 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.373 ms
Loss rate: 1.08%
```

Run 10: Report of SCReAM — Data Link

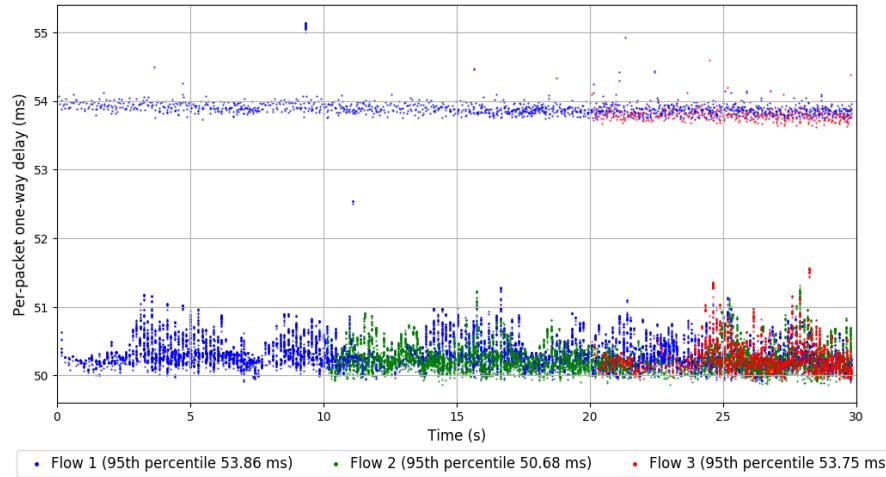
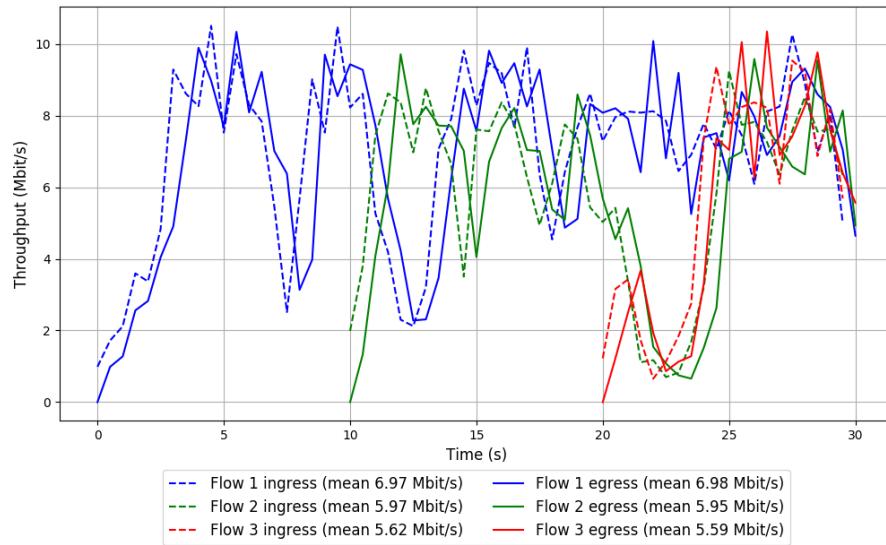


Run 1: Statistics of Sprout

```
Start at: 2018-05-26 14:18:20
End at: 2018-05-26 14:18:50
Local clock offset: -0.292 ms
Remote clock offset: -0.306 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.76 Mbit/s
95th percentile per-packet one-way delay: 53.760 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 53.859 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 5.95 Mbit/s
95th percentile per-packet one-way delay: 50.678 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 53.748 ms
Loss rate: 1.71%
```

Run 1: Report of Sprout — Data Link

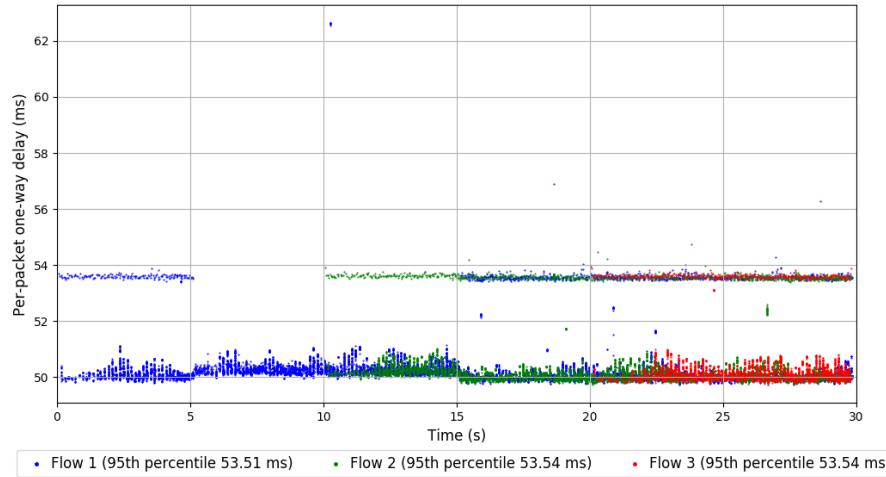
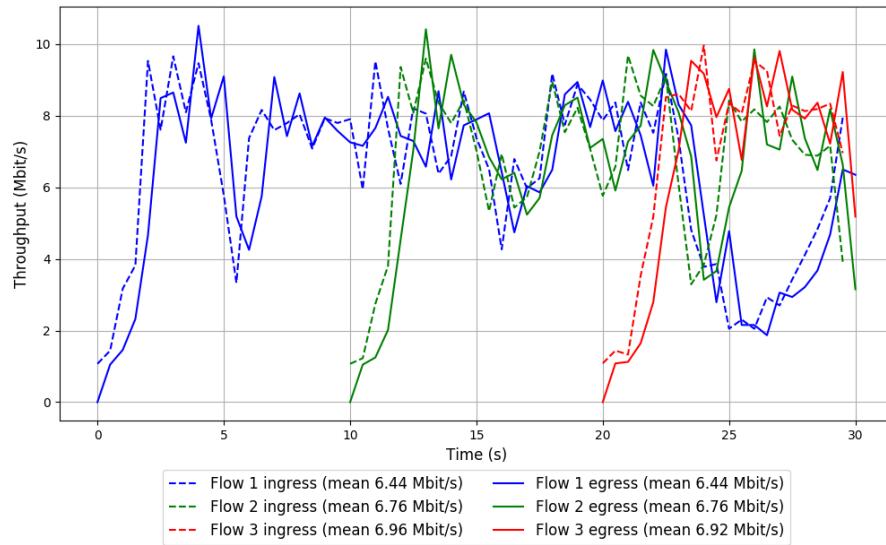


Run 2: Statistics of Sprout

```
Start at: 2018-05-26 14:41:22
End at: 2018-05-26 14:41:52
Local clock offset: 0.088 ms
Remote clock offset: 0.233 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 53.525 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 53.506 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 53.540 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 53.544 ms
Loss rate: 1.45%
```

Run 2: Report of Sprout — Data Link

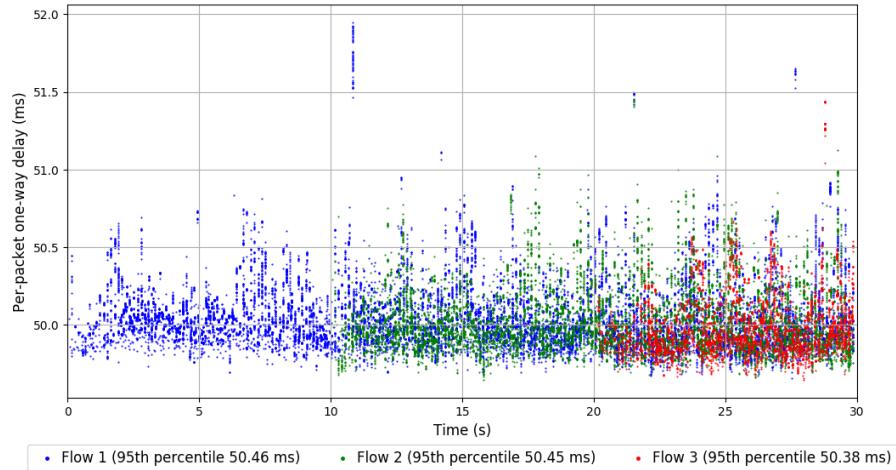
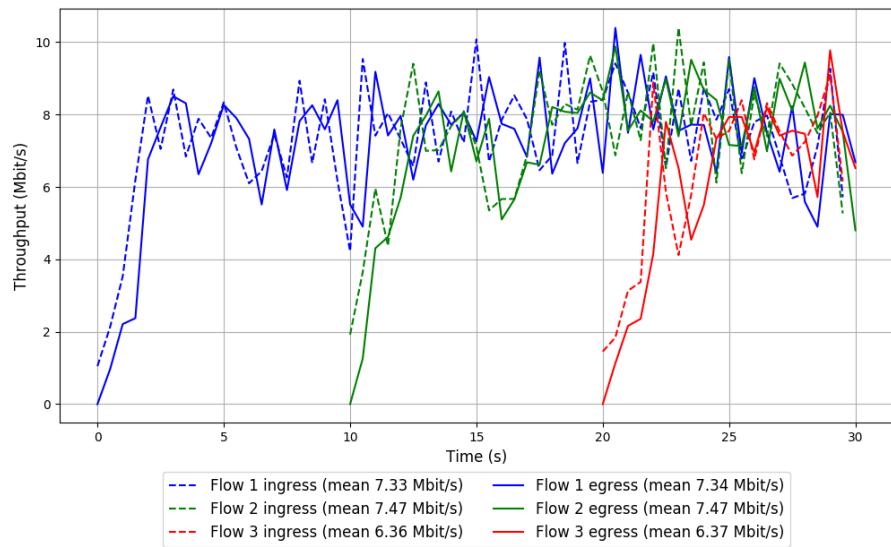


Run 3: Statistics of Sprout

```
Start at: 2018-05-26 15:04:29
End at: 2018-05-26 15:04:59
Local clock offset: -0.191 ms
Remote clock offset: 0.204 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.38 Mbit/s
95th percentile per-packet one-way delay: 50.440 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 50.457 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 50.454 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 50.382 ms
Loss rate: 0.97%
```

Run 3: Report of Sprout — Data Link

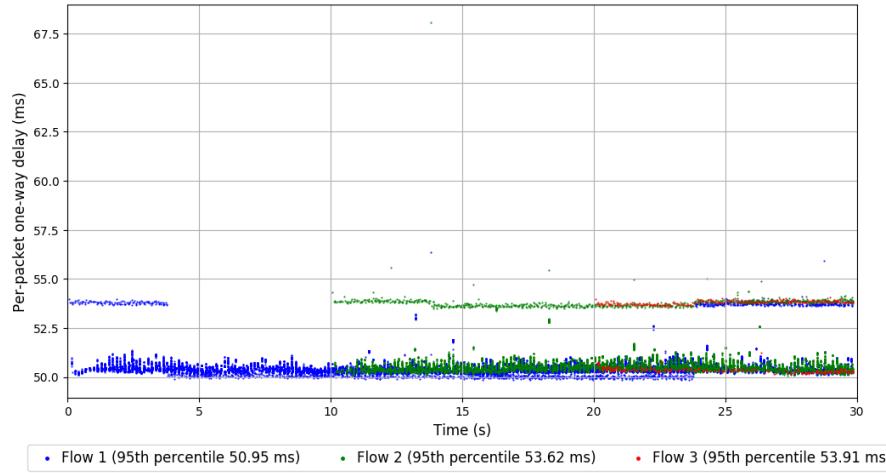
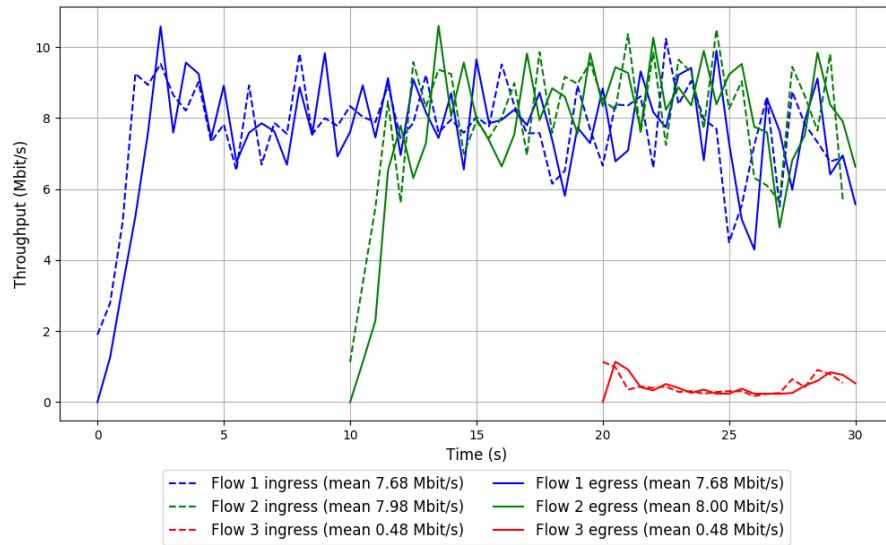


Run 4: Statistics of Sprout

```
Start at: 2018-05-26 15:27:41
End at: 2018-05-26 15:28:11
Local clock offset: 0.123 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.14 Mbit/s
95th percentile per-packet one-way delay: 51.861 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 50.948 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 53.615 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 53.911 ms
Loss rate: 1.04%
```

Run 4: Report of Sprout — Data Link

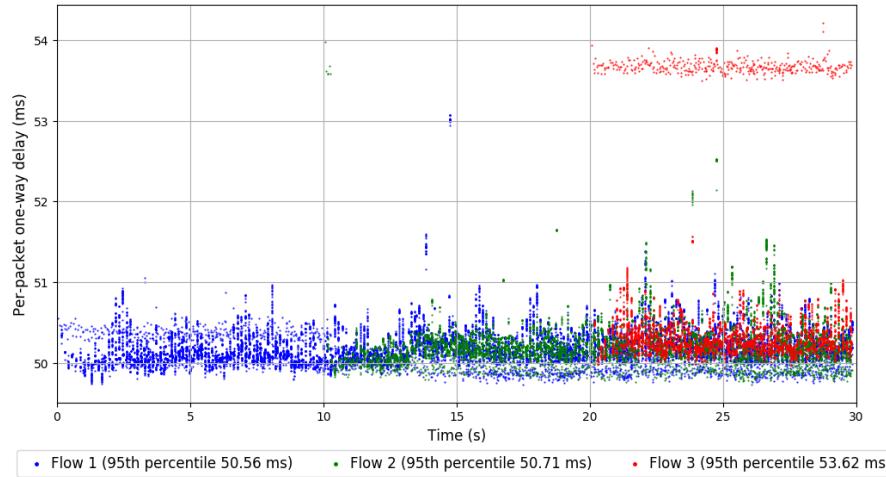
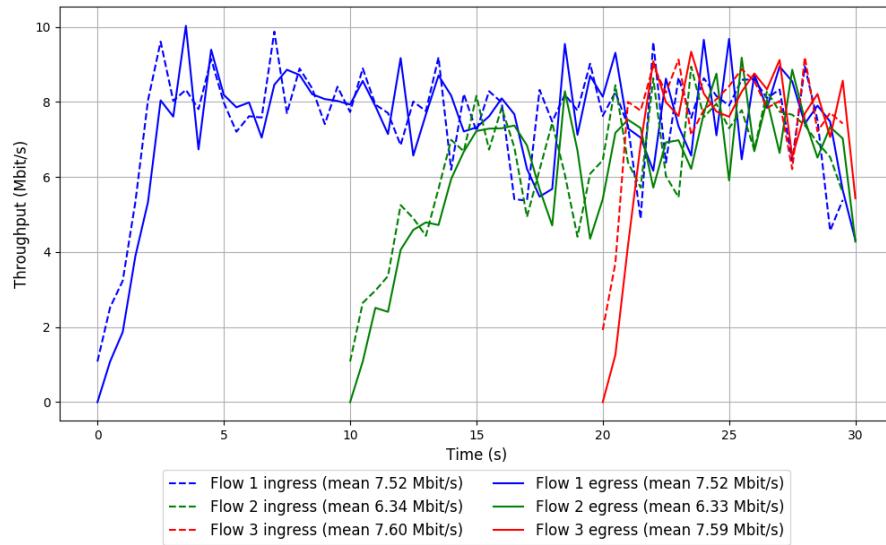


Run 5: Statistics of Sprout

```
Start at: 2018-05-26 15:51:24
End at: 2018-05-26 15:51:54
Local clock offset: -0.38 ms
Remote clock offset: -0.17 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.20 Mbit/s
95th percentile per-packet one-way delay: 50.676 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 50.564 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 6.33 Mbit/s
95th percentile per-packet one-way delay: 50.708 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 53.624 ms
Loss rate: 1.52%
```

Run 5: Report of Sprout — Data Link

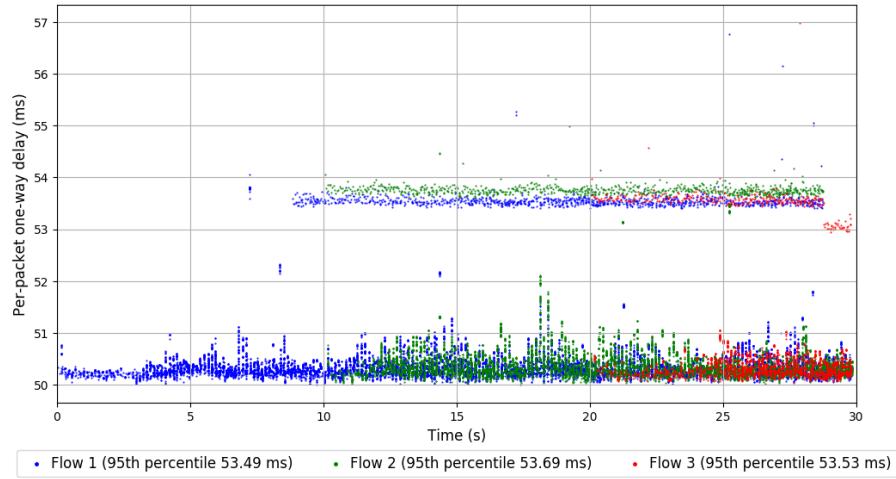
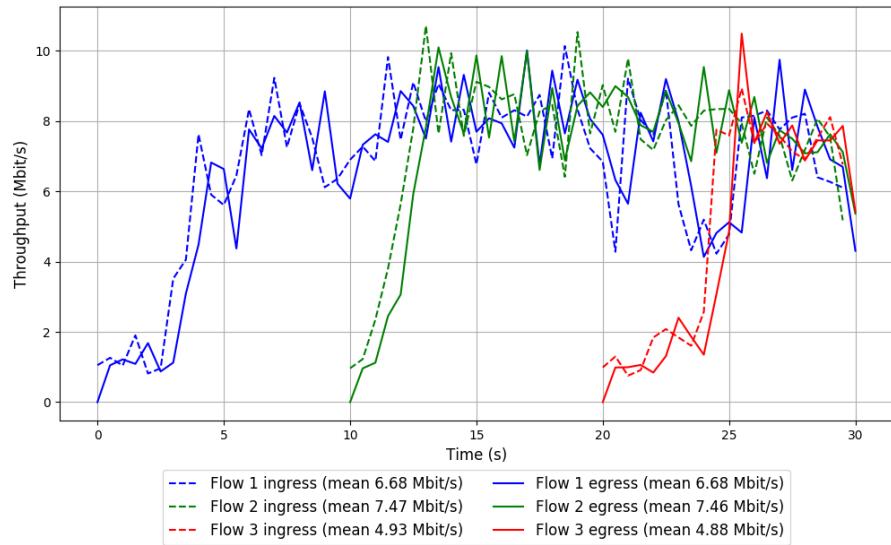


Run 6: Statistics of Sprout

```
Start at: 2018-05-26 16:14:26
End at: 2018-05-26 16:14:56
Local clock offset: -0.026 ms
Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.22 Mbit/s
95th percentile per-packet one-way delay: 53.509 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 53.488 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 7.46 Mbit/s
95th percentile per-packet one-way delay: 53.688 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 53.530 ms
Loss rate: 2.39%
```

Run 6: Report of Sprout — Data Link

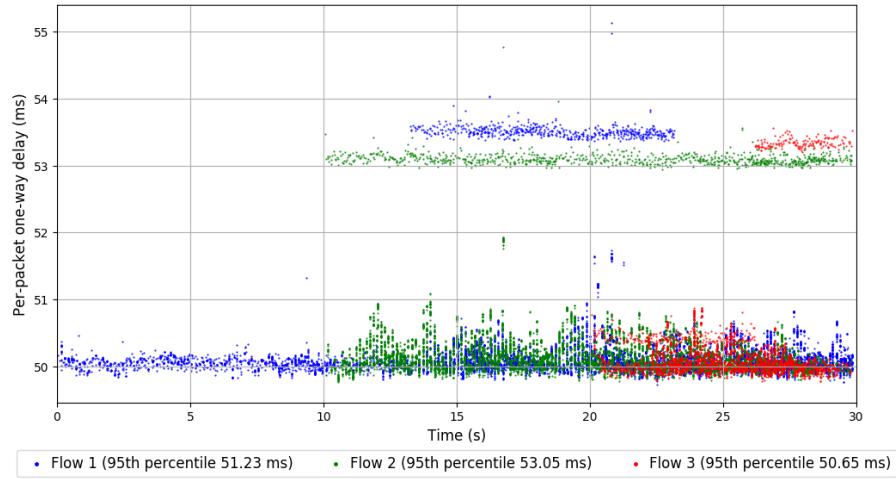
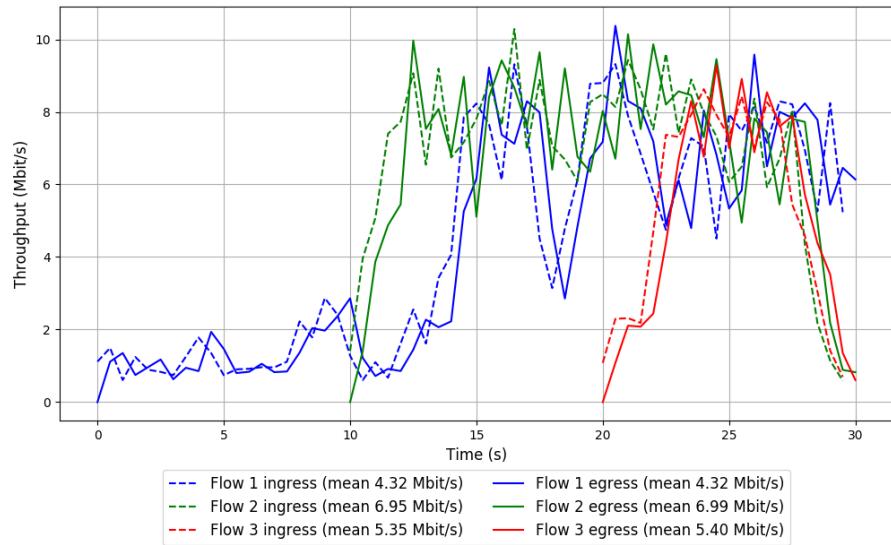


Run 7: Statistics of Sprout

```
Start at: 2018-05-26 16:37:31
End at: 2018-05-26 16:38:01
Local clock offset: 0.032 ms
Remote clock offset: 0.24 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.72 Mbit/s
95th percentile per-packet one-way delay: 53.028 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 51.230 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 53.054 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 50.648 ms
Loss rate: 0.17%
```

Run 7: Report of Sprout — Data Link

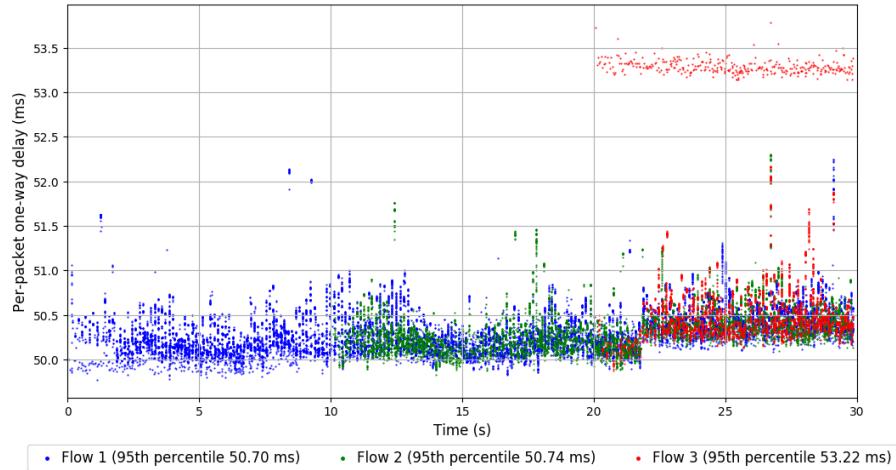
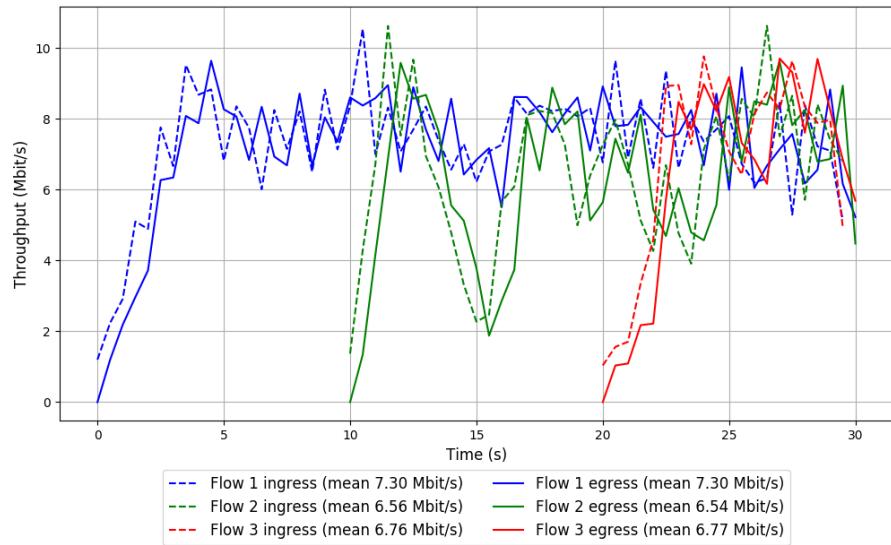


Run 8: Statistics of Sprout

```
Start at: 2018-05-26 17:00:06
End at: 2018-05-26 17:00:36
Local clock offset: 0.059 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-05-26 20:25:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.86 Mbit/s
95th percentile per-packet one-way delay: 50.809 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 50.701 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 6.54 Mbit/s
95th percentile per-packet one-way delay: 50.738 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 6.77 Mbit/s
95th percentile per-packet one-way delay: 53.224 ms
Loss rate: 0.52%
```

Run 8: Report of Sprout — Data Link

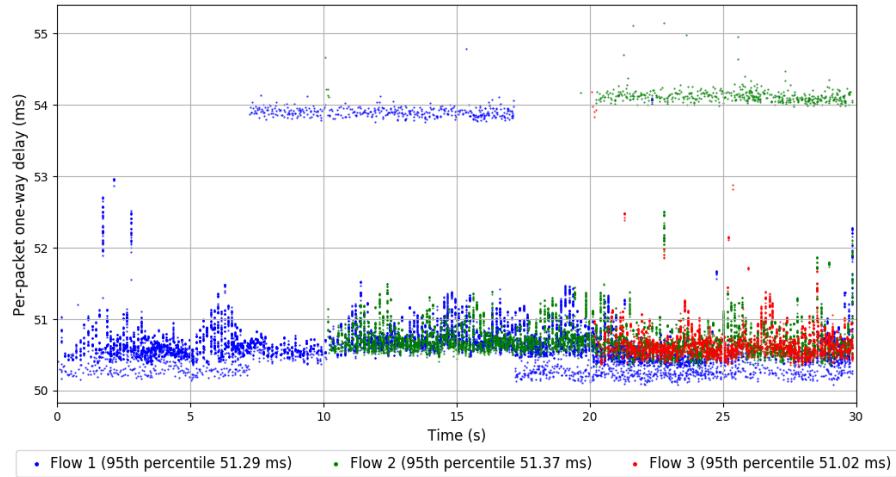
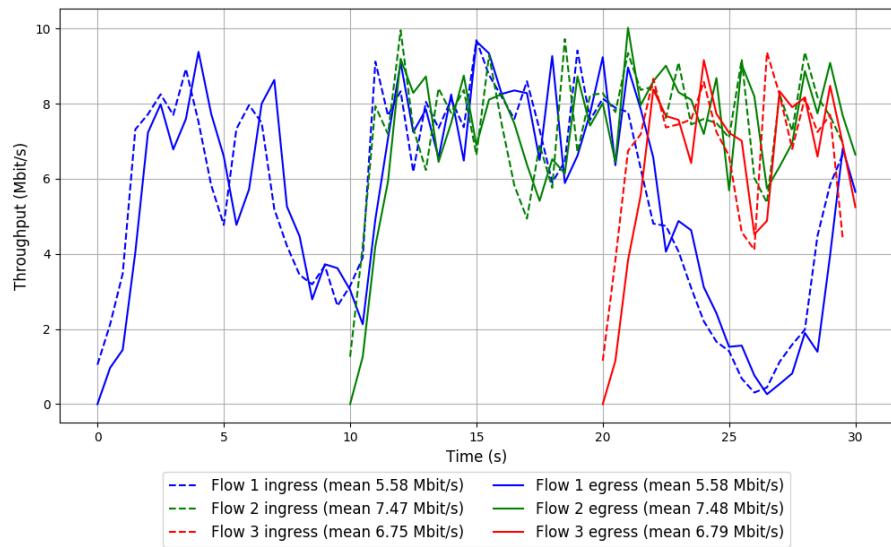


Run 9: Statistics of Sprout

```
Start at: 2018-05-26 17:23:27
End at: 2018-05-26 17:23:57
Local clock offset: 0.179 ms
Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2018-05-26 20:25:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 51.258 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 51.286 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 51.367 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 51.018 ms
Loss rate: 0.20%
```

Run 9: Report of Sprout — Data Link

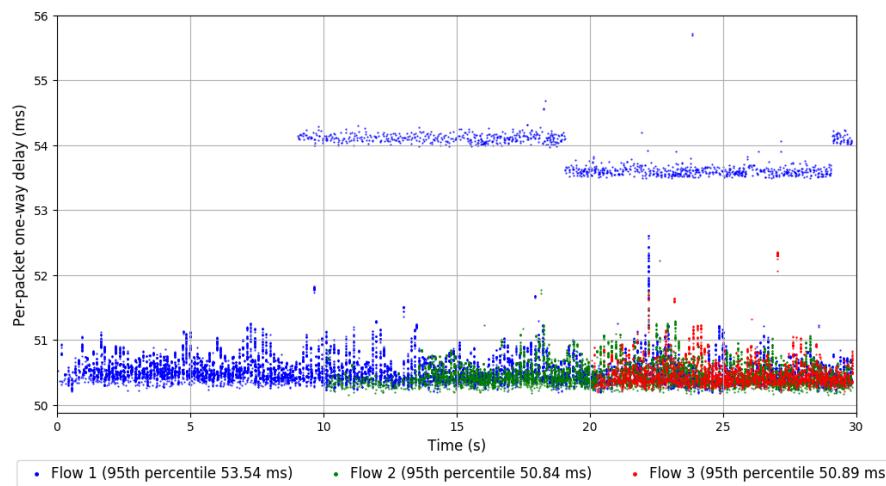
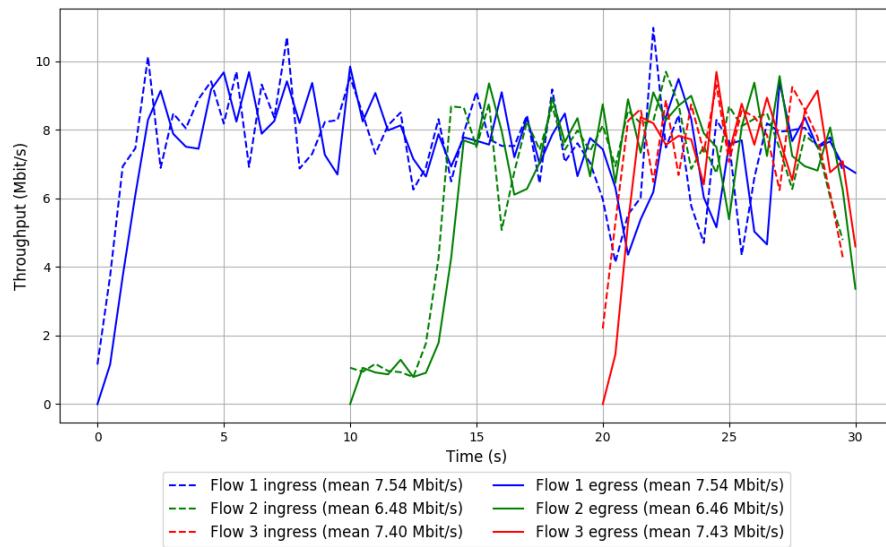


Run 10: Statistics of Sprout

```
Start at: 2018-05-26 17:47:05
End at: 2018-05-26 17:47:35
Local clock offset: 0.13 ms
Remote clock offset: -0.173 ms

# Below is generated by plot.py at 2018-05-26 20:25:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.26 Mbit/s
95th percentile per-packet one-way delay: 51.028 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 53.543 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 50.843 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 50.889 ms
Loss rate: 0.34%
```

Run 10: Report of Sprout — Data Link

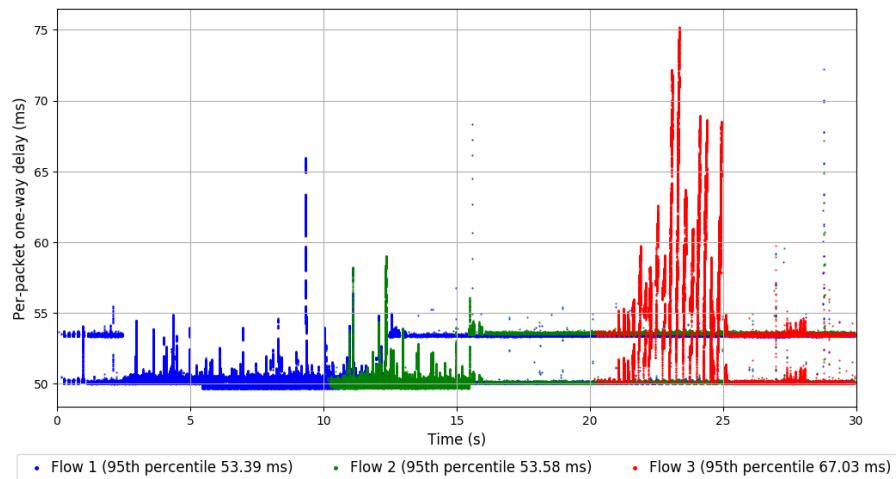
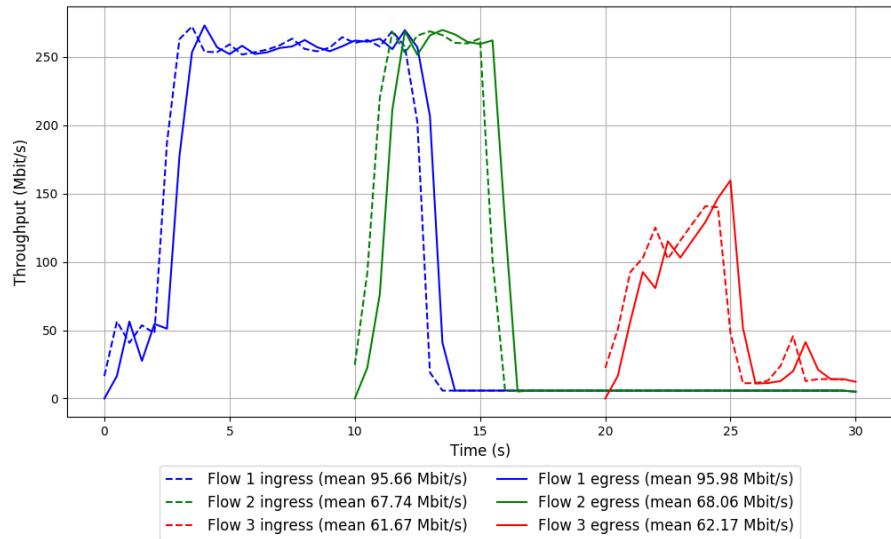


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-26 14:27:52
End at: 2018-05-26 14:28:22
Local clock offset: -0.146 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2018-05-26 20:25:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 161.74 Mbit/s
95th percentile per-packet one-way delay: 56.335 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 53.392 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 68.06 Mbit/s
95th percentile per-packet one-way delay: 53.576 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 62.17 Mbit/s
95th percentile per-packet one-way delay: 67.030 ms
Loss rate: 0.23%
```

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

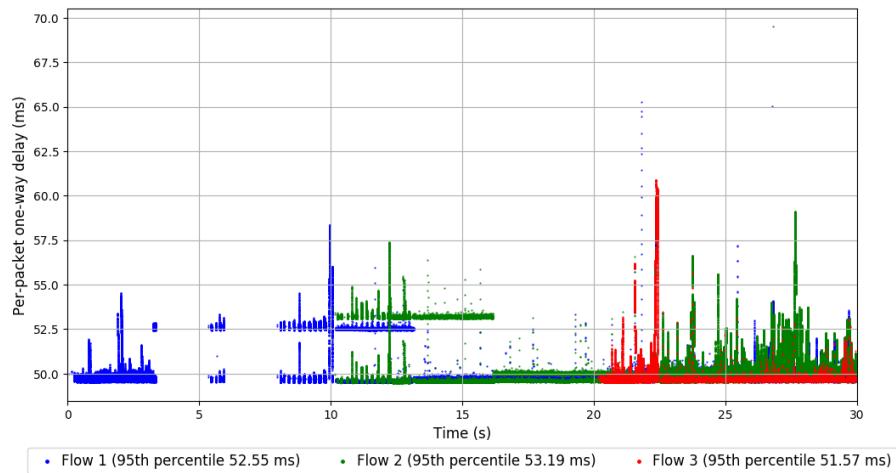
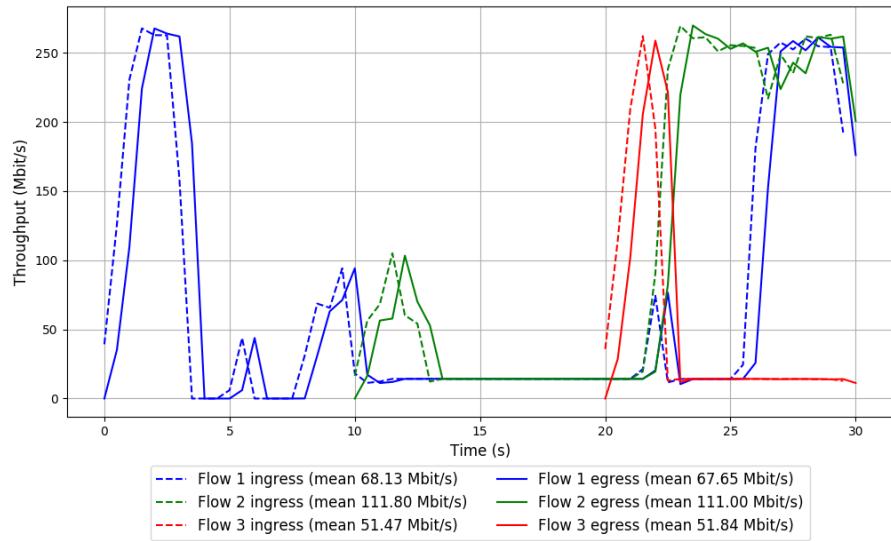


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-26 14:50:51
End at: 2018-05-26 14:51:21
Local clock offset: -0.233 ms
Remote clock offset: 0.323 ms

# Below is generated by plot.py at 2018-05-26 20:25:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 158.61 Mbit/s
95th percentile per-packet one-way delay: 52.695 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 67.65 Mbit/s
95th percentile per-packet one-way delay: 52.545 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 111.00 Mbit/s
95th percentile per-packet one-way delay: 53.188 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 51.567 ms
Loss rate: 0.27%
```

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

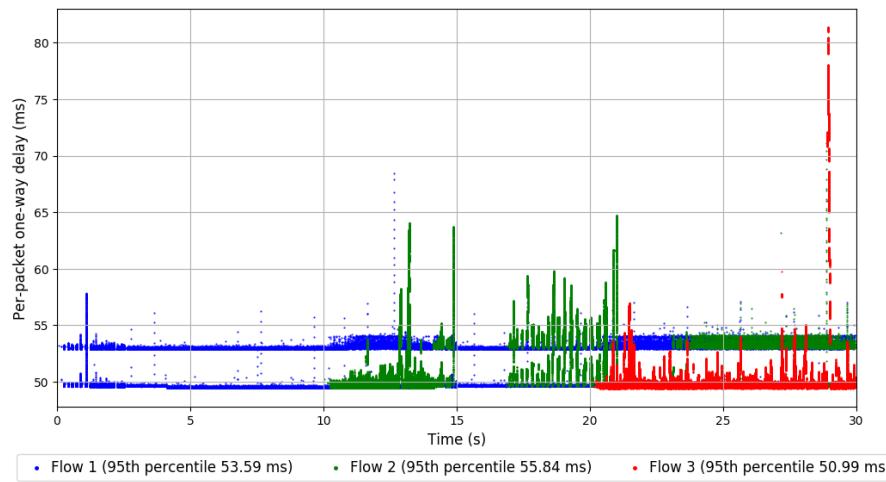
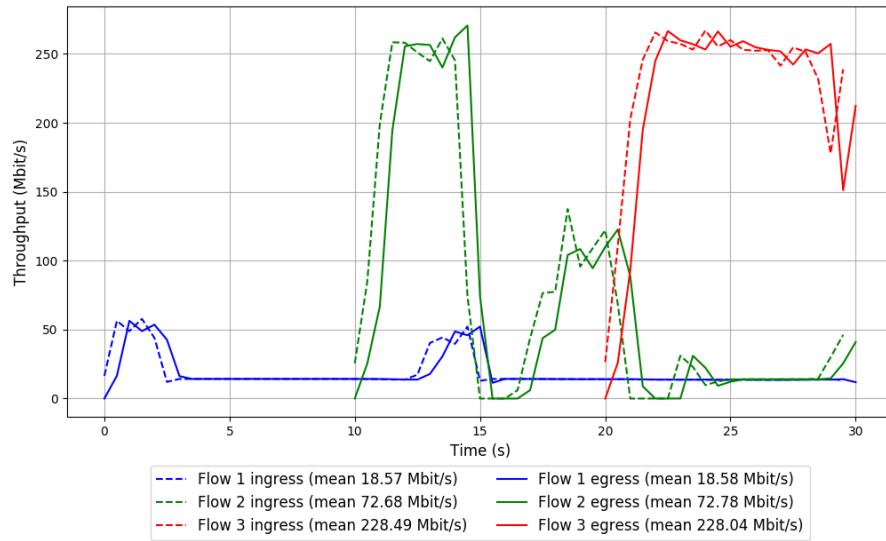


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-26 15:14:03
End at: 2018-05-26 15:14:33
Local clock offset: -0.203 ms
Remote clock offset: 0.29 ms

# Below is generated by plot.py at 2018-05-26 20:25:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 142.37 Mbit/s
95th percentile per-packet one-way delay: 54.057 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 18.58 Mbit/s
95th percentile per-packet one-way delay: 53.593 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 72.78 Mbit/s
95th percentile per-packet one-way delay: 55.840 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 228.04 Mbit/s
95th percentile per-packet one-way delay: 50.990 ms
Loss rate: 1.21%
```

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

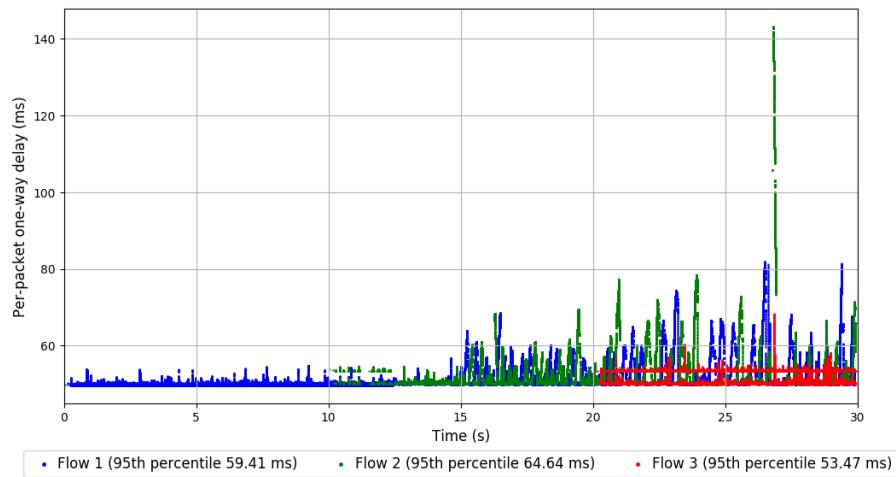
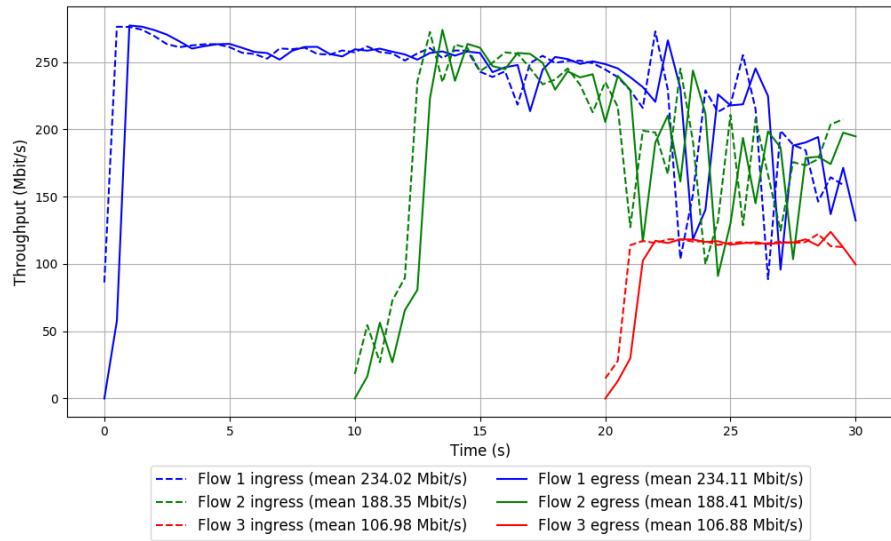


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-26 15:37:22
End at: 2018-05-26 15:37:52
Local clock offset: -0.226 ms
Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2018-05-26 20:30:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 394.68 Mbit/s
95th percentile per-packet one-way delay: 60.319 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 234.11 Mbit/s
95th percentile per-packet one-way delay: 59.405 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 188.41 Mbit/s
95th percentile per-packet one-way delay: 64.644 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 106.88 Mbit/s
95th percentile per-packet one-way delay: 53.467 ms
Loss rate: 1.15%
```

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

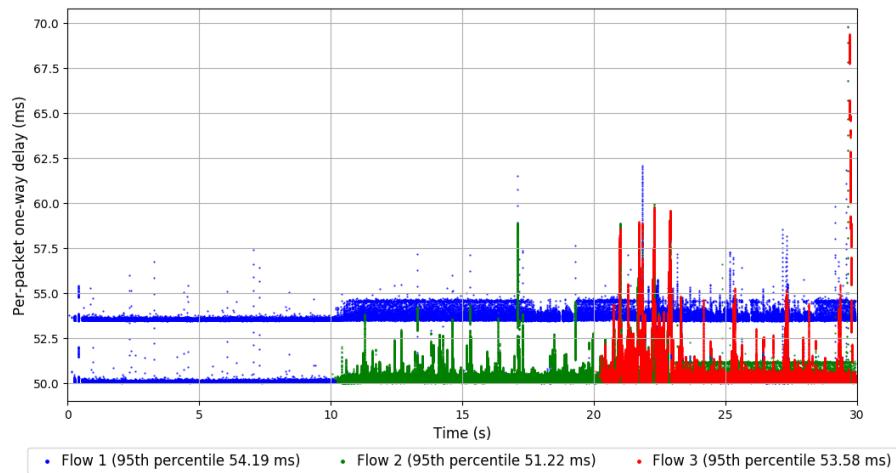
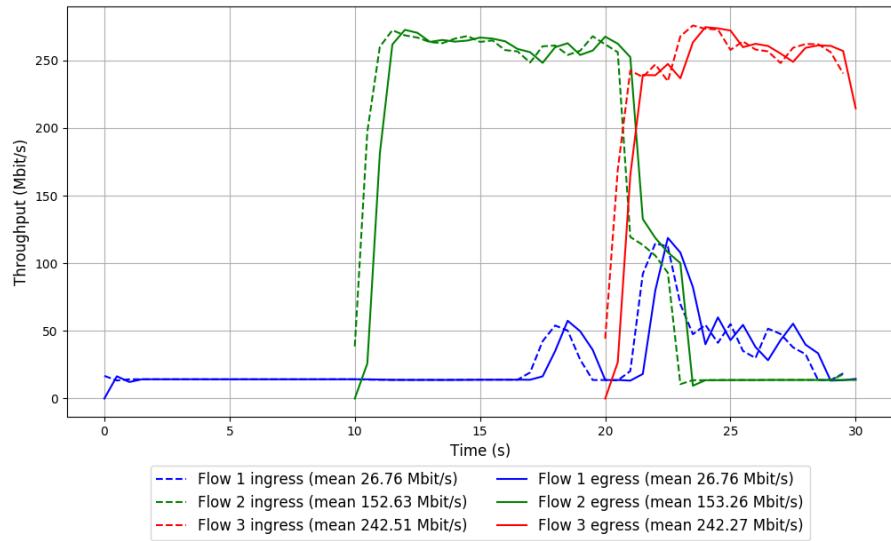


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-26 16:01:02
End at: 2018-05-26 16:01:32
Local clock offset: -0.043 ms
Remote clock offset: 0.07 ms

# Below is generated by plot.py at 2018-05-26 20:30:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 208.63 Mbit/s
95th percentile per-packet one-way delay: 53.711 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 26.76 Mbit/s
95th percentile per-packet one-way delay: 54.191 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 153.26 Mbit/s
95th percentile per-packet one-way delay: 51.218 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 242.27 Mbit/s
95th percentile per-packet one-way delay: 53.578 ms
Loss rate: 1.08%
```

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

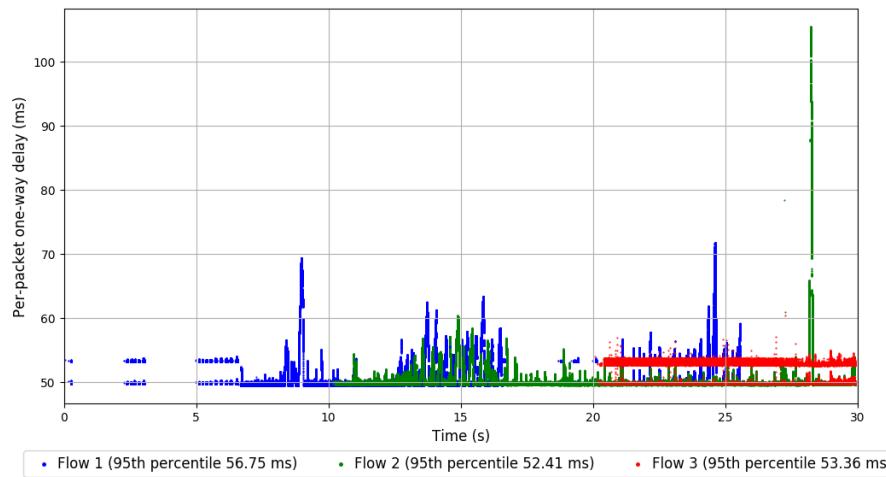
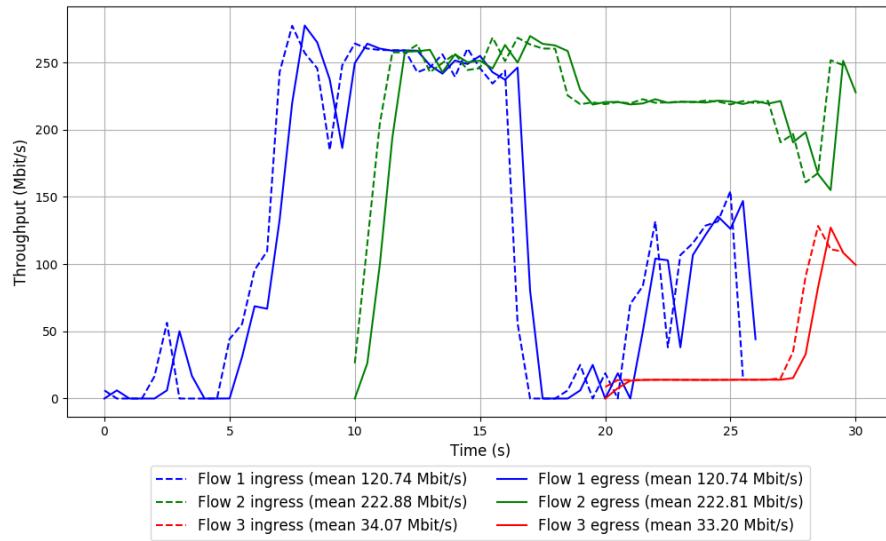


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-26 16:23:58
End at: 2018-05-26 16:24:28
Local clock offset: -0.323 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2018-05-26 20:30:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 262.78 Mbit/s
95th percentile per-packet one-way delay: 54.752 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 120.74 Mbit/s
95th percentile per-packet one-way delay: 56.754 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 222.81 Mbit/s
95th percentile per-packet one-way delay: 52.410 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 33.20 Mbit/s
95th percentile per-packet one-way delay: 53.357 ms
Loss rate: 3.59%
```

Run 6: Report of TaoVA-100x — Data Link

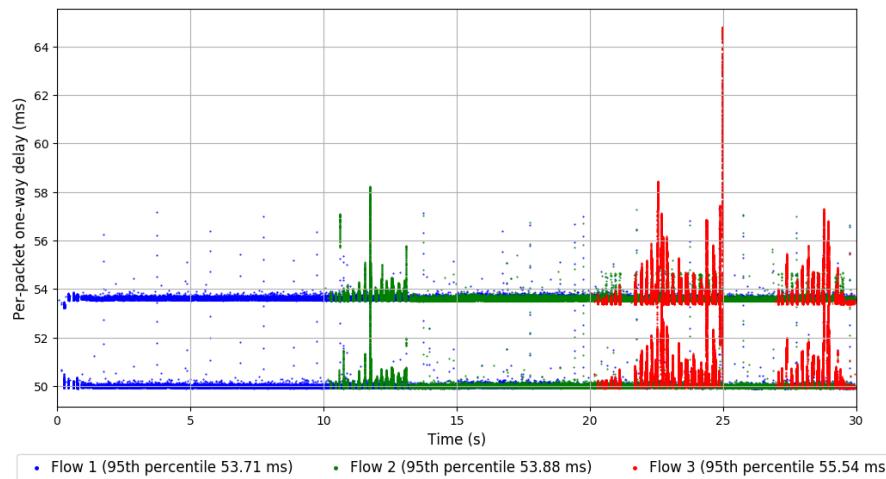
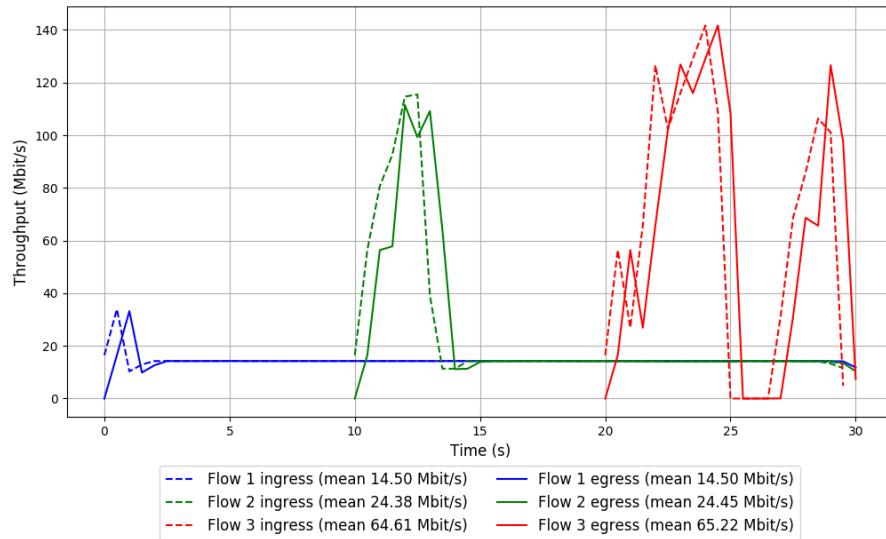


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-26 16:47:07
End at: 2018-05-26 16:47:37
Local clock offset: 0.096 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-05-26 20:30:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.28 Mbit/s
95th percentile per-packet one-way delay: 54.446 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 14.50 Mbit/s
95th percentile per-packet one-way delay: 53.706 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 53.880 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 65.22 Mbit/s
95th percentile per-packet one-way delay: 55.536 ms
Loss rate: 0.09%
```

Run 7: Report of TaoVA-100x — Data Link

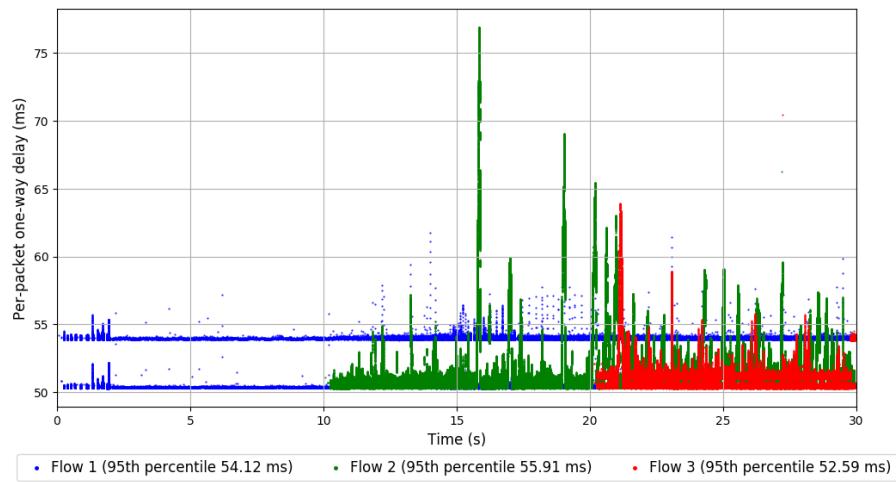
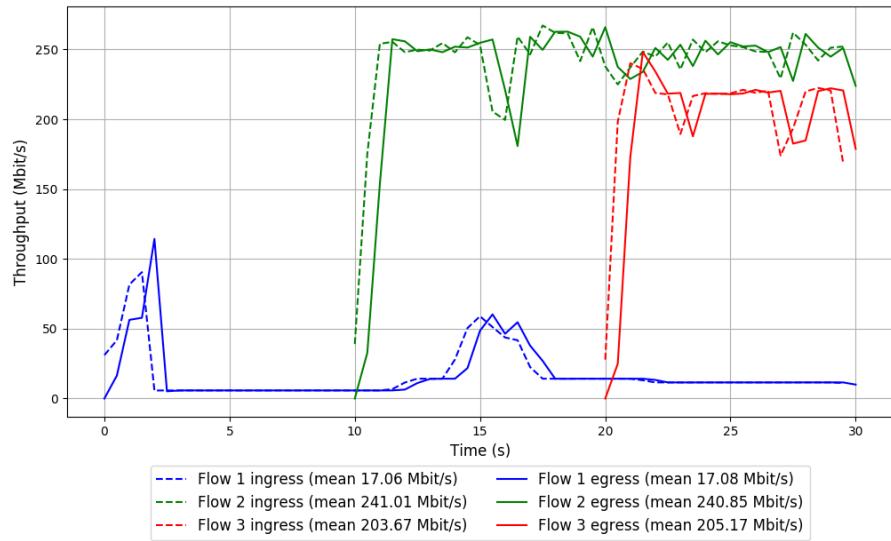


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-26 17:09:45
End at: 2018-05-26 17:10:15
Local clock offset: 0.448 ms
Remote clock offset: -0.138 ms

# Below is generated by plot.py at 2018-05-26 20:31:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 245.03 Mbit/s
95th percentile per-packet one-way delay: 54.610 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 17.08 Mbit/s
95th percentile per-packet one-way delay: 54.118 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 240.85 Mbit/s
95th percentile per-packet one-way delay: 55.905 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 205.17 Mbit/s
95th percentile per-packet one-way delay: 52.586 ms
Loss rate: 0.30%
```

Run 8: Report of TaoVA-100x — Data Link

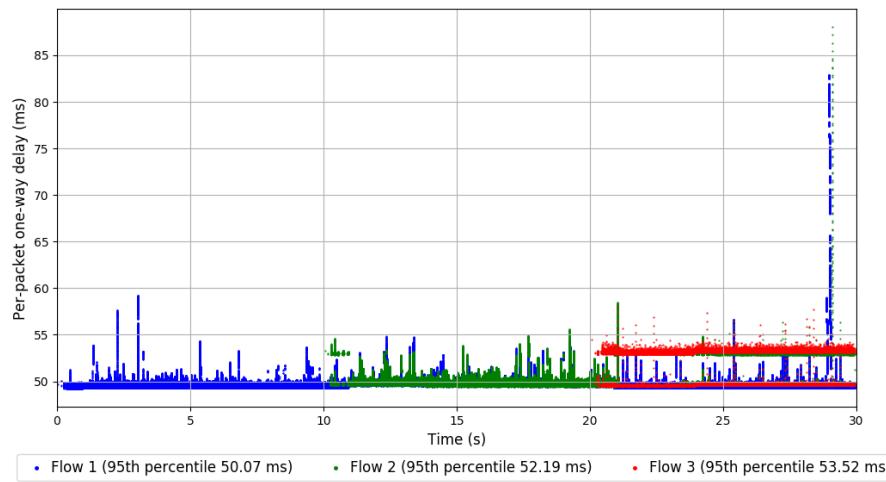
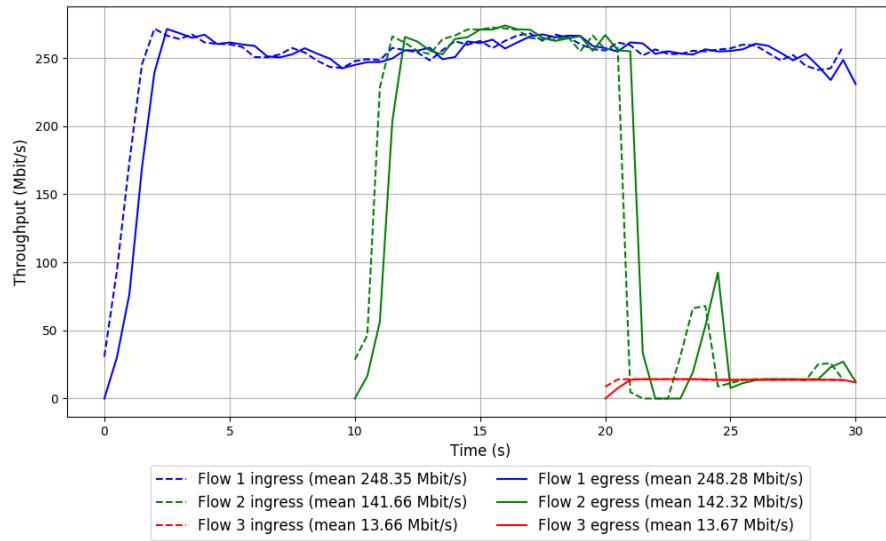


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-26 17:33:04
End at: 2018-05-26 17:33:34
Local clock offset: -0.507 ms
Remote clock offset: 0.083 ms

# Below is generated by plot.py at 2018-05-26 20:34:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 347.38 Mbit/s
95th percentile per-packet one-way delay: 50.512 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 248.28 Mbit/s
95th percentile per-packet one-way delay: 50.071 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 142.32 Mbit/s
95th percentile per-packet one-way delay: 52.191 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 13.67 Mbit/s
95th percentile per-packet one-way delay: 53.525 ms
Loss rate: 1.02%
```

Run 9: Report of TaoVA-100x — Data Link

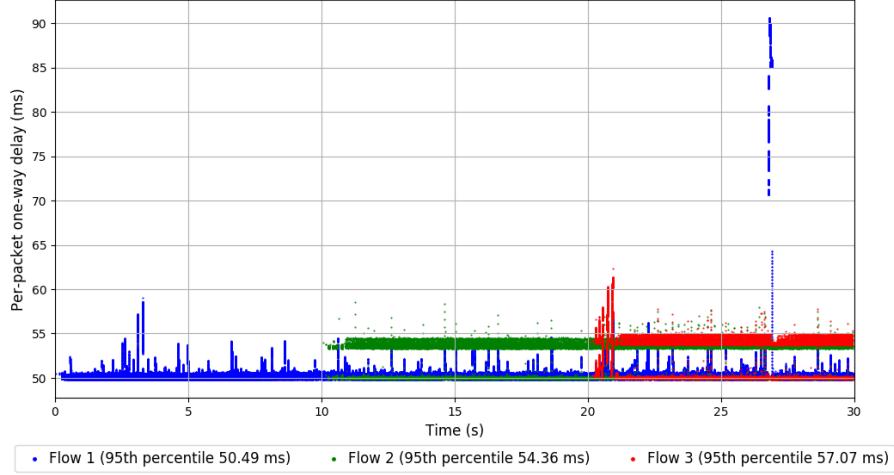
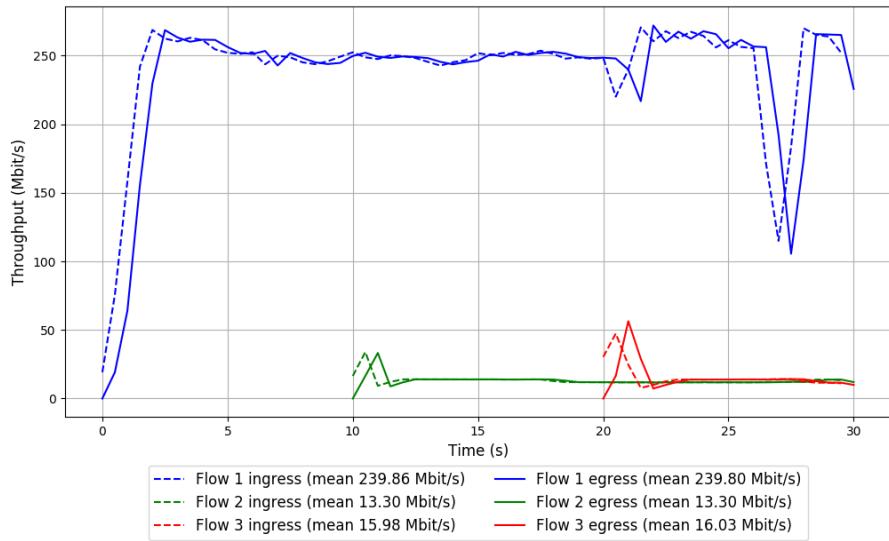


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-26 17:56:38
End at: 2018-05-26 17:57:08
Local clock offset: 0.153 ms
Remote clock offset: 0.132 ms

# Below is generated by plot.py at 2018-05-26 20:34:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 253.92 Mbit/s
95th percentile per-packet one-way delay: 51.264 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 239.80 Mbit/s
95th percentile per-packet one-way delay: 50.486 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 54.358 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 16.03 Mbit/s
95th percentile per-packet one-way delay: 57.073 ms
Loss rate: 0.73%
```

Run 10: Report of TaoVA-100x — Data Link

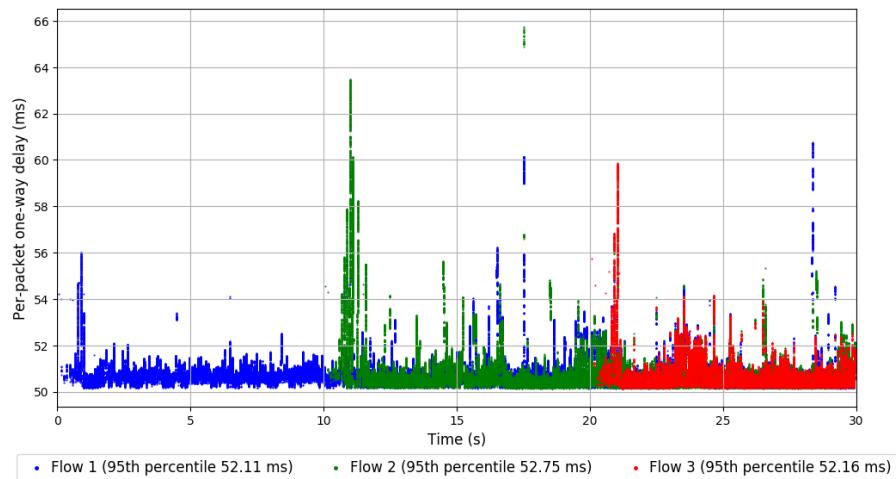
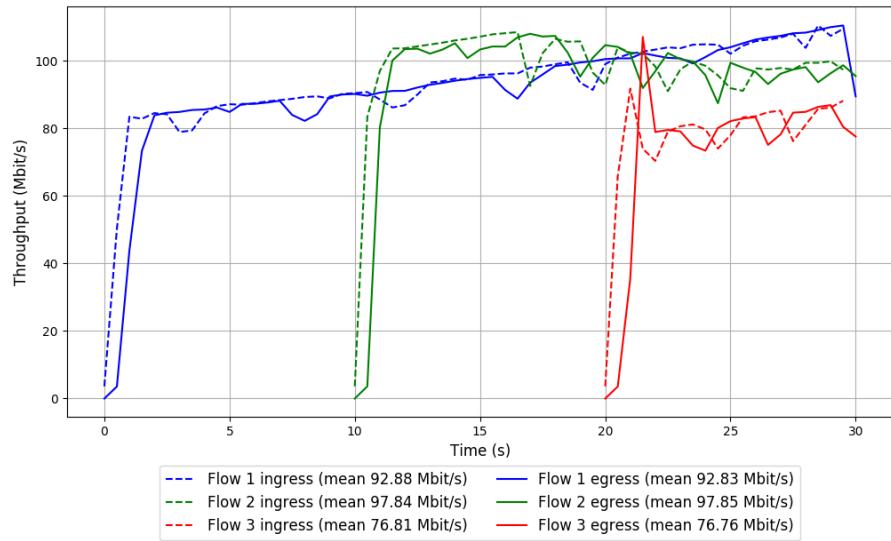


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-26 14:38:15
End at: 2018-05-26 14:38:45
Local clock offset: 0.353 ms
Remote clock offset: 0.042 ms

# Below is generated by plot.py at 2018-05-26 20:34:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 183.23 Mbit/s
95th percentile per-packet one-way delay: 52.277 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 52.110 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 97.85 Mbit/s
95th percentile per-packet one-way delay: 52.750 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 76.76 Mbit/s
95th percentile per-packet one-way delay: 52.159 ms
Loss rate: 1.15%
```

Run 1: Report of TCP Vegas — Data Link

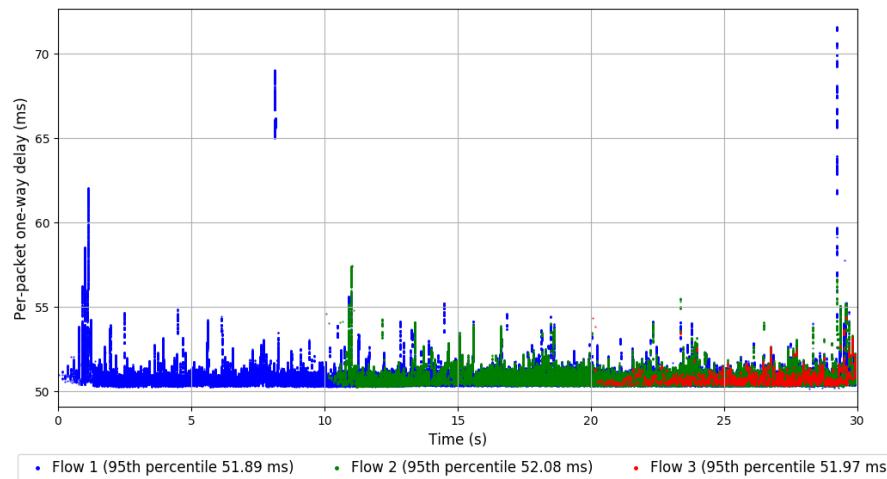
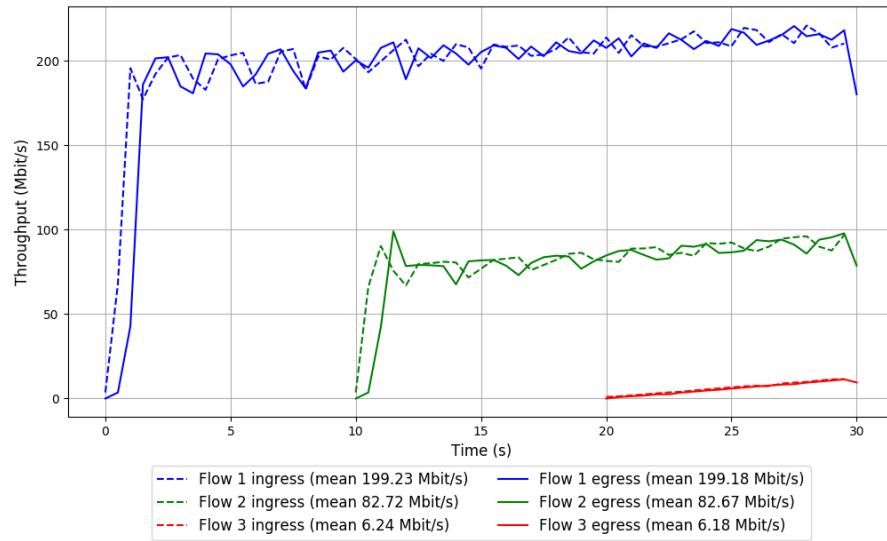


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-26 15:01:25
End at: 2018-05-26 15:01:55
Local clock offset: 0.157 ms
Remote clock offset: -0.139 ms

# Below is generated by plot.py at 2018-05-26 20:34:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 256.13 Mbit/s
95th percentile per-packet one-way delay: 51.933 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 199.18 Mbit/s
95th percentile per-packet one-way delay: 51.889 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 82.67 Mbit/s
95th percentile per-packet one-way delay: 52.076 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 6.18 Mbit/s
95th percentile per-packet one-way delay: 51.971 ms
Loss rate: 2.03%
```

Run 2: Report of TCP Vegas — Data Link

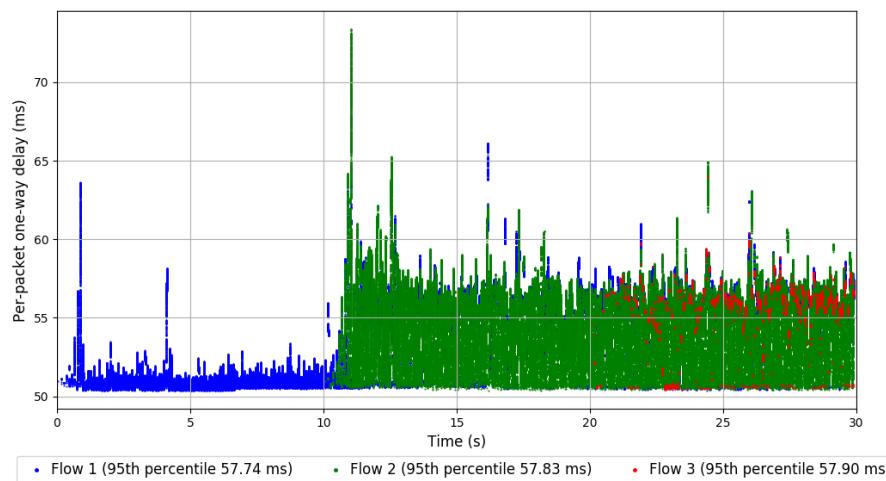
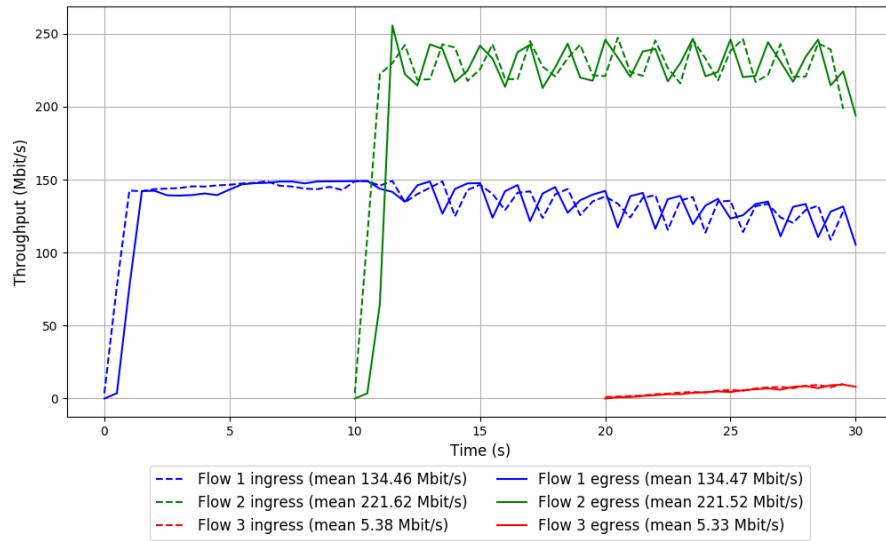


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-26 15:24:41
End at: 2018-05-26 15:25:11
Local clock offset: 0.531 ms
Remote clock offset: 0.07 ms

# Below is generated by plot.py at 2018-05-26 20:34:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 283.23 Mbit/s
95th percentile per-packet one-way delay: 57.786 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 134.47 Mbit/s
95th percentile per-packet one-way delay: 57.745 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 221.52 Mbit/s
95th percentile per-packet one-way delay: 57.831 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 57.898 ms
Loss rate: 2.00%
```

Run 3: Report of TCP Vegas — Data Link

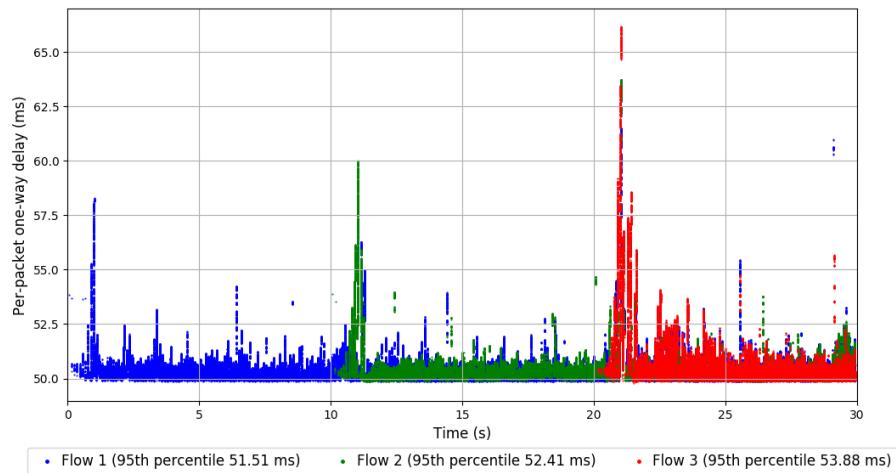
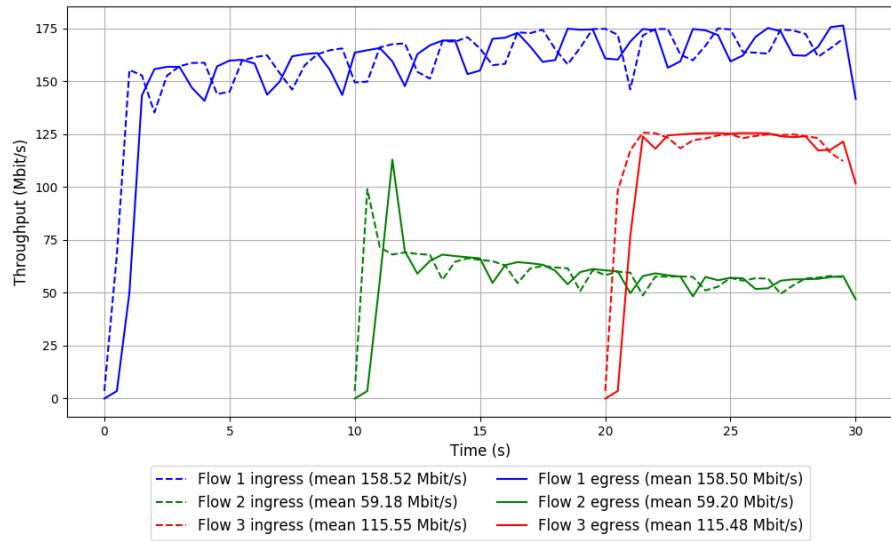


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-26 15:48:19
End at: 2018-05-26 15:48:49
Local clock offset: -0.134 ms
Remote clock offset: 0.109 ms

# Below is generated by plot.py at 2018-05-26 20:34:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 235.87 Mbit/s
95th percentile per-packet one-way delay: 51.894 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 158.50 Mbit/s
95th percentile per-packet one-way delay: 51.508 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 59.20 Mbit/s
95th percentile per-packet one-way delay: 52.415 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 115.48 Mbit/s
95th percentile per-packet one-way delay: 53.878 ms
Loss rate: 1.06%
```

Run 4: Report of TCP Vegas — Data Link

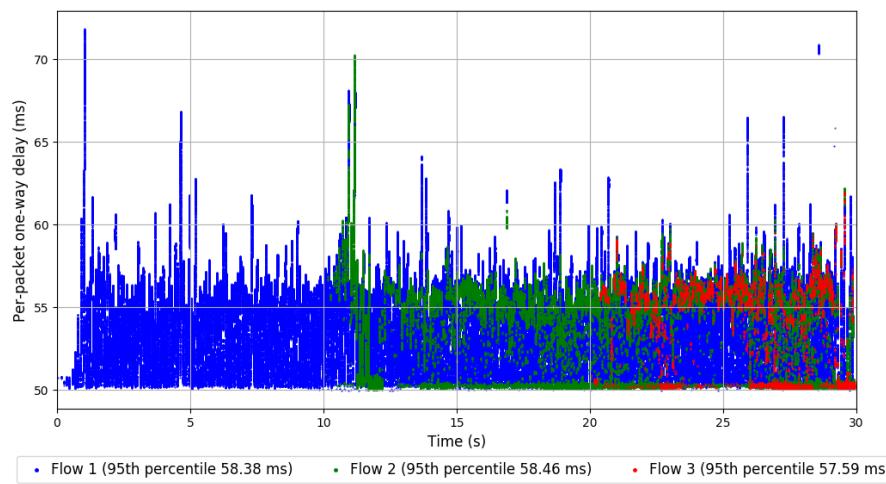
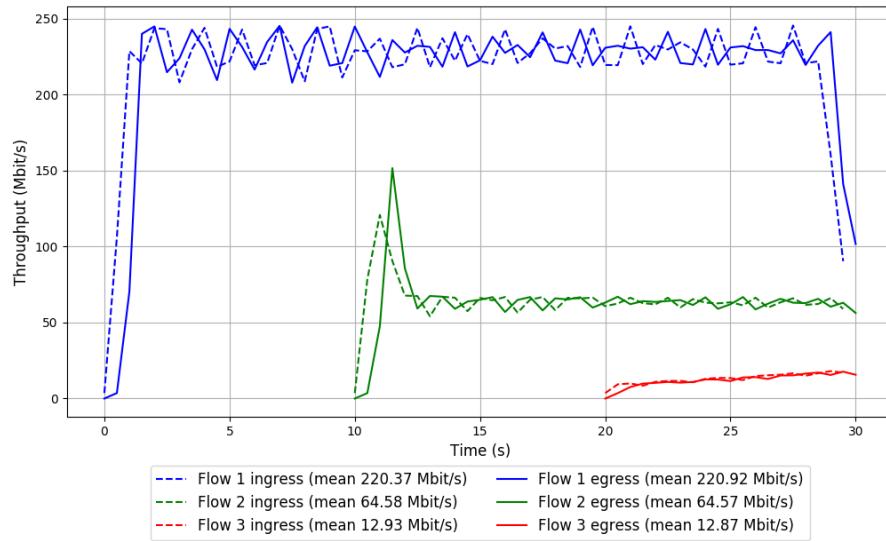


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-26 16:11:35
End at: 2018-05-26 16:12:05
Local clock offset: 0.217 ms
Remote clock offset: 0.209 ms

# Below is generated by plot.py at 2018-05-26 20:34:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 267.62 Mbit/s
95th percentile per-packet one-way delay: 58.384 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 220.92 Mbit/s
95th percentile per-packet one-way delay: 58.385 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 64.57 Mbit/s
95th percentile per-packet one-way delay: 58.459 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 12.87 Mbit/s
95th percentile per-packet one-way delay: 57.588 ms
Loss rate: 1.47%
```

Run 5: Report of TCP Vegas — Data Link

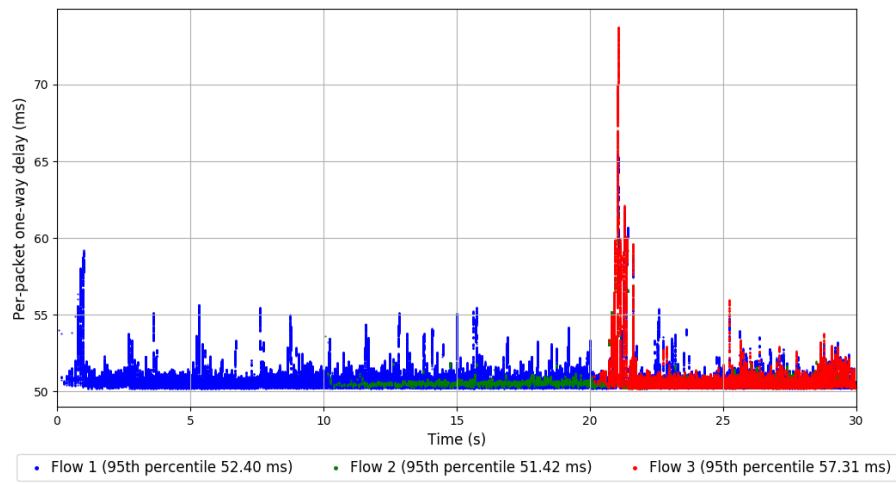
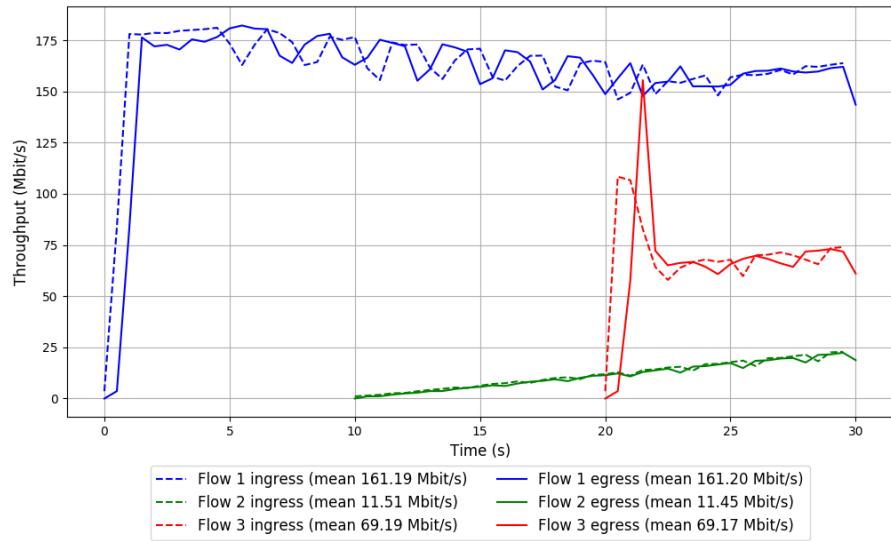


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-26 16:34:41
End at: 2018-05-26 16:35:11
Local clock offset: 0.176 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-05-26 20:34:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 191.61 Mbit/s
95th percentile per-packet one-way delay: 52.641 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 161.20 Mbit/s
95th percentile per-packet one-way delay: 52.400 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 11.45 Mbit/s
95th percentile per-packet one-way delay: 51.418 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 69.17 Mbit/s
95th percentile per-packet one-way delay: 57.312 ms
Loss rate: 1.08%
```

Run 6: Report of TCP Vegas — Data Link

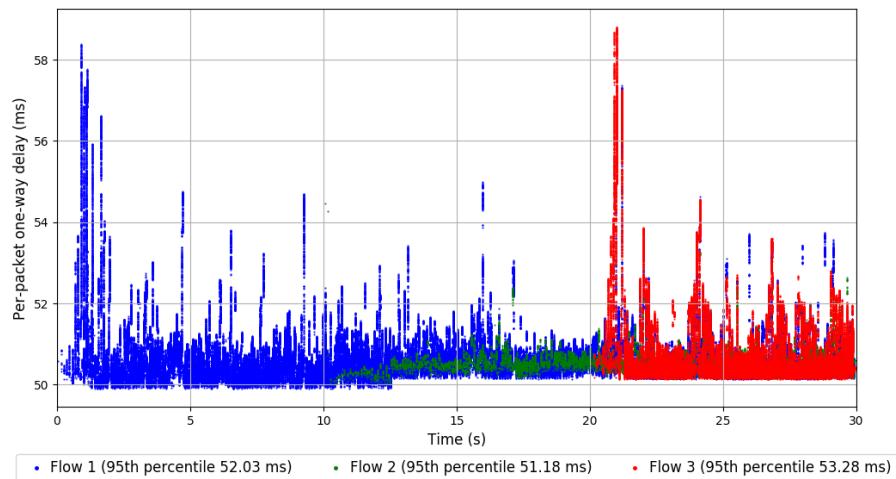
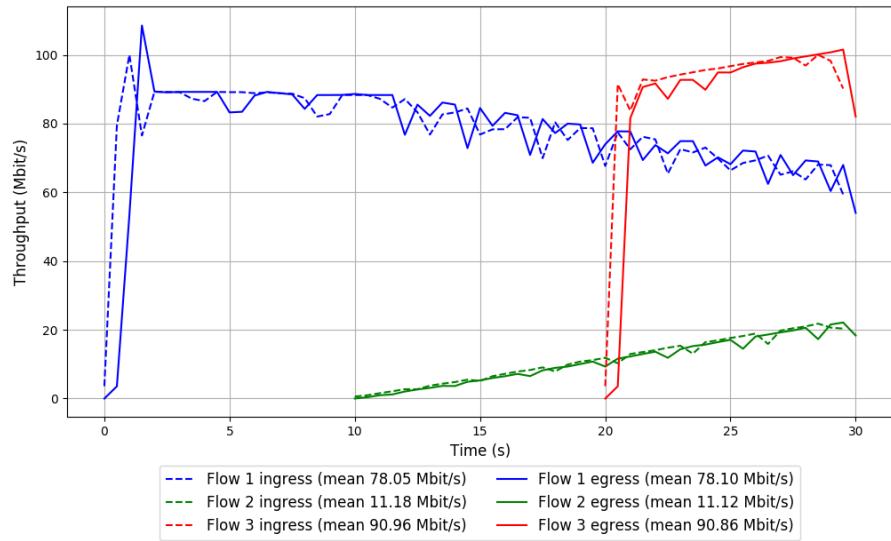


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-26 16:57:25
End at: 2018-05-26 16:57:55
Local clock offset: 0.332 ms
Remote clock offset: 0.149 ms

# Below is generated by plot.py at 2018-05-26 20:34:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 115.43 Mbit/s
95th percentile per-packet one-way delay: 52.232 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 52.034 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 51.180 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 53.279 ms
Loss rate: 1.11%
```

Run 7: Report of TCP Vegas — Data Link

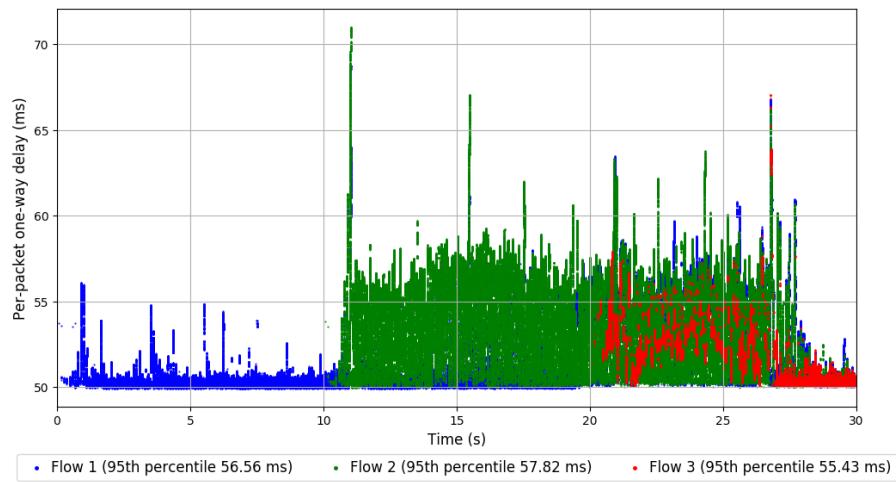
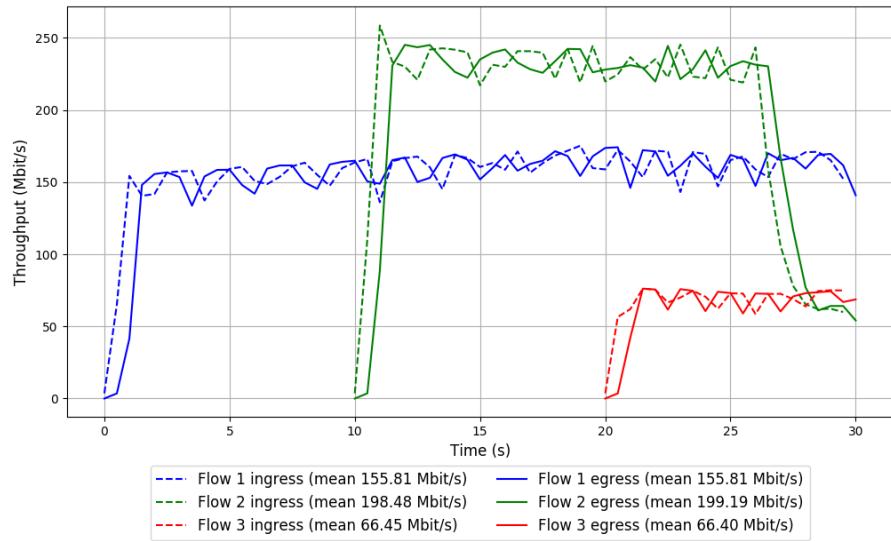


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-26 17:20:28
End at: 2018-05-26 17:20:58
Local clock offset: -0.027 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-05-26 20:36:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 310.19 Mbit/s
95th percentile per-packet one-way delay: 57.282 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 155.81 Mbit/s
95th percentile per-packet one-way delay: 56.557 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 199.19 Mbit/s
95th percentile per-packet one-way delay: 57.819 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 66.40 Mbit/s
95th percentile per-packet one-way delay: 55.434 ms
Loss rate: 1.12%
```

Run 8: Report of TCP Vegas — Data Link

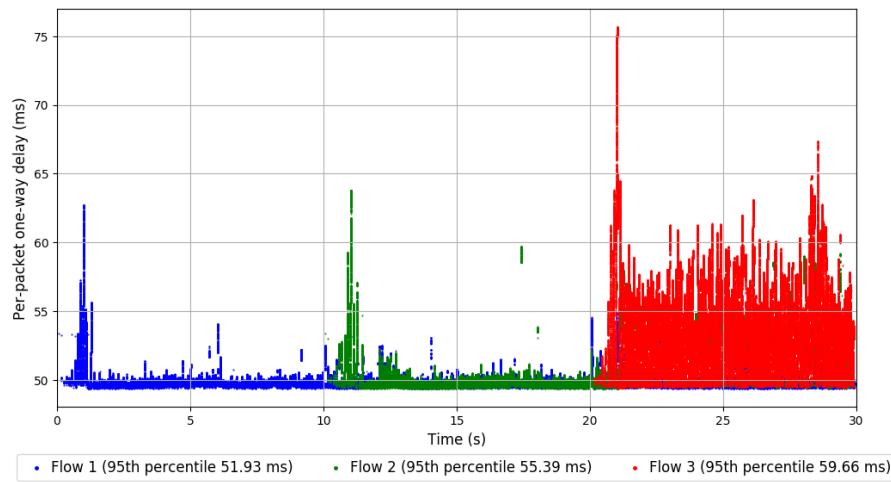
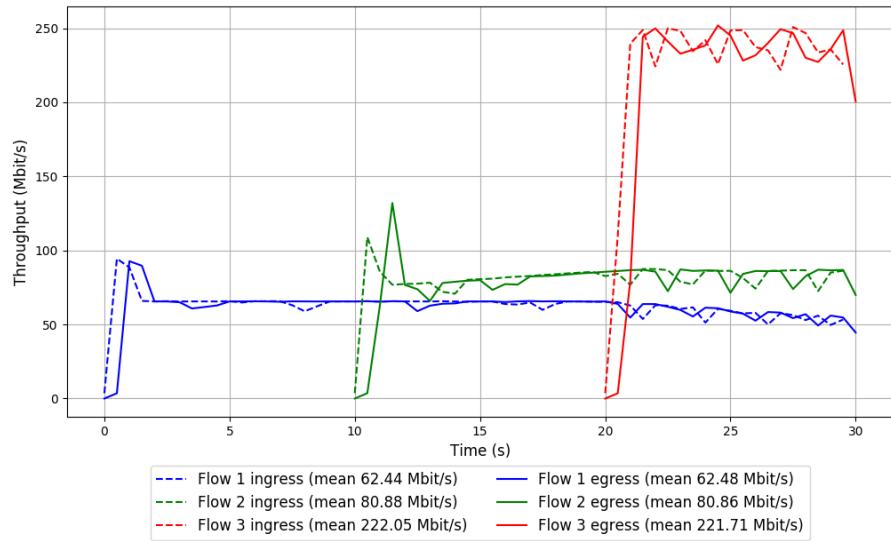


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-26 17:44:01
End at: 2018-05-26 17:44:31
Local clock offset: -0.272 ms
Remote clock offset: 0.205 ms

# Below is generated by plot.py at 2018-05-26 20:36:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 189.16 Mbit/s
95th percentile per-packet one-way delay: 57.785 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 62.48 Mbit/s
95th percentile per-packet one-way delay: 51.927 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 80.86 Mbit/s
95th percentile per-packet one-way delay: 55.388 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 221.71 Mbit/s
95th percentile per-packet one-way delay: 59.659 ms
Loss rate: 1.14%
```

Run 9: Report of TCP Vegas — Data Link

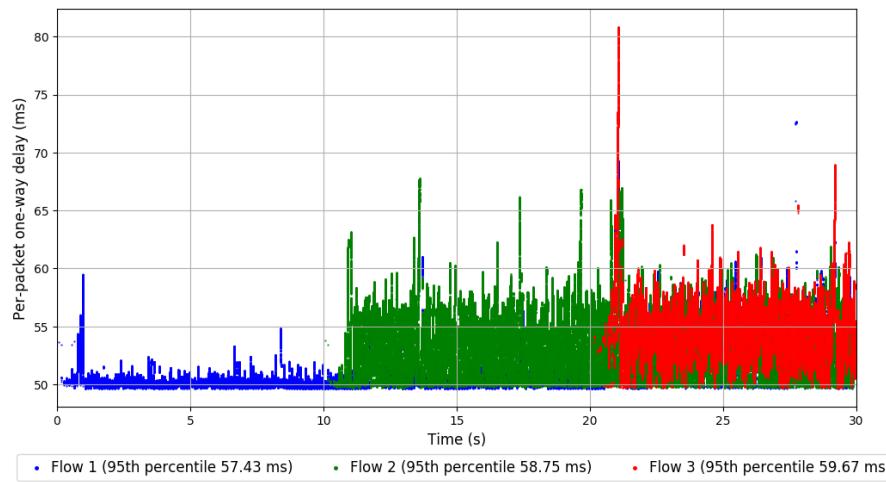
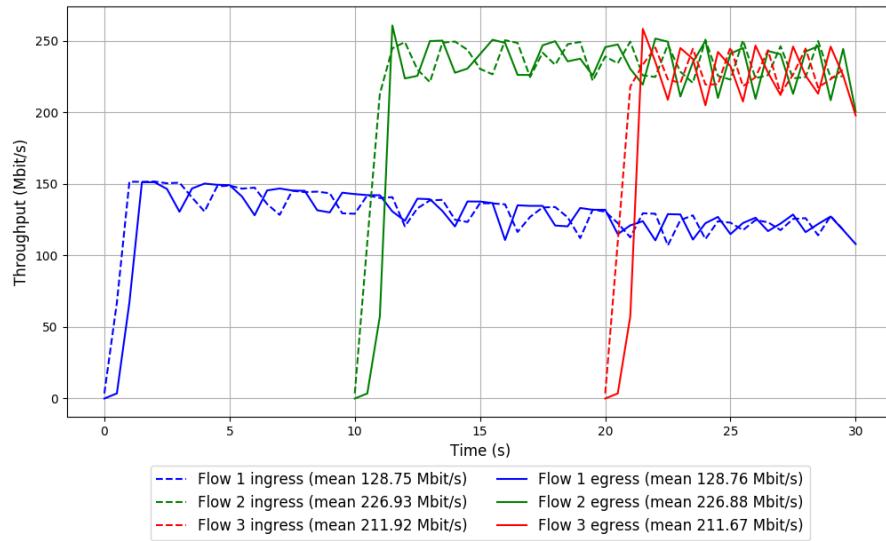


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-26 18:07:25
End at: 2018-05-26 18:07:55
Local clock offset: -0.203 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-05-26 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 349.27 Mbit/s
95th percentile per-packet one-way delay: 58.544 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 128.76 Mbit/s
95th percentile per-packet one-way delay: 57.434 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 226.88 Mbit/s
95th percentile per-packet one-way delay: 58.746 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 211.67 Mbit/s
95th percentile per-packet one-way delay: 59.673 ms
Loss rate: 1.17%
```

Run 10: Report of TCP Vegas — Data Link

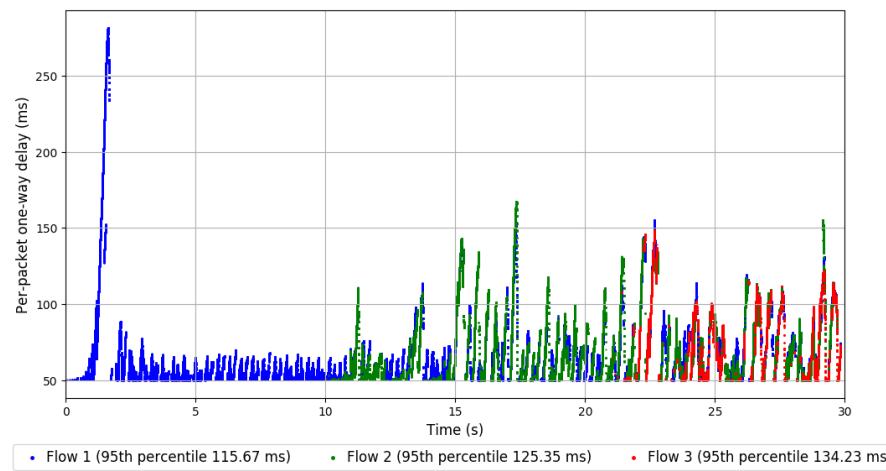
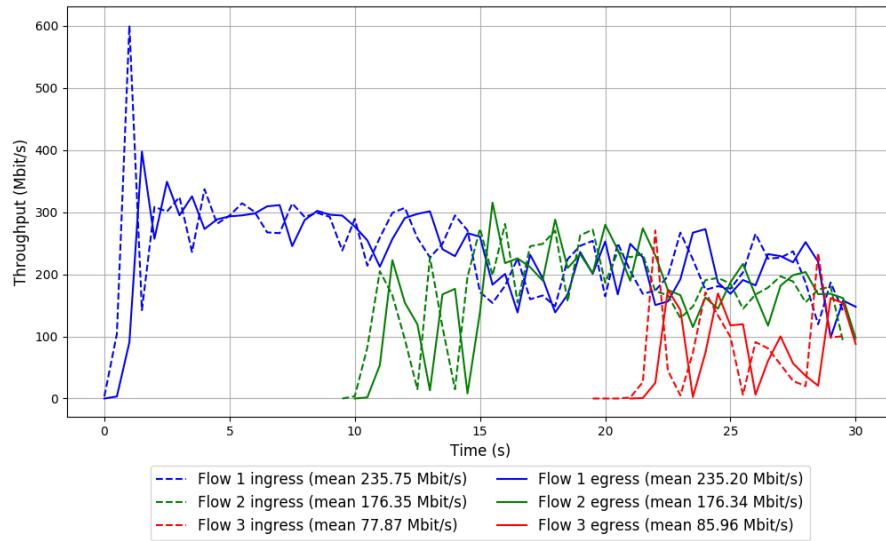


Run 1: Statistics of Verus

```
Start at: 2018-05-26 14:22:32
End at: 2018-05-26 14:23:02
Local clock offset: 0.15 ms
Remote clock offset: 0.071 ms

# Below is generated by plot.py at 2018-05-26 20:39:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 377.95 Mbit/s
95th percentile per-packet one-way delay: 123.677 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 235.20 Mbit/s
95th percentile per-packet one-way delay: 115.668 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 176.34 Mbit/s
95th percentile per-packet one-way delay: 125.348 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 85.96 Mbit/s
95th percentile per-packet one-way delay: 134.228 ms
Loss rate: 1.98%
```

Run 1: Report of Verus — Data Link

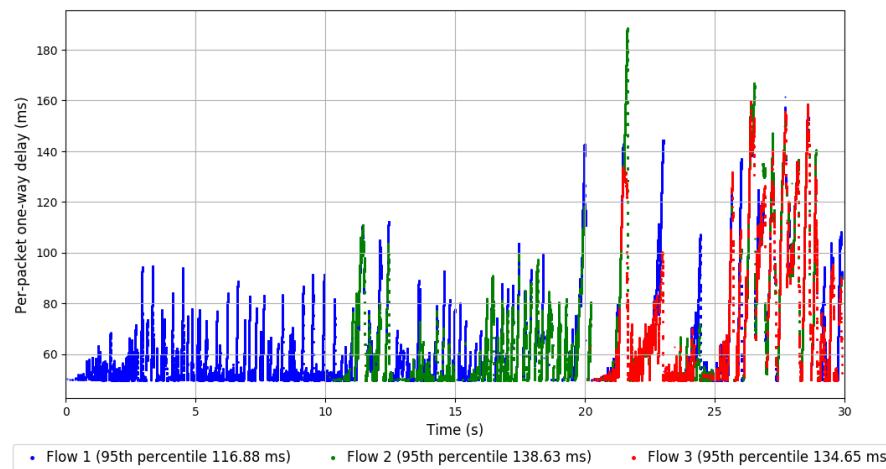
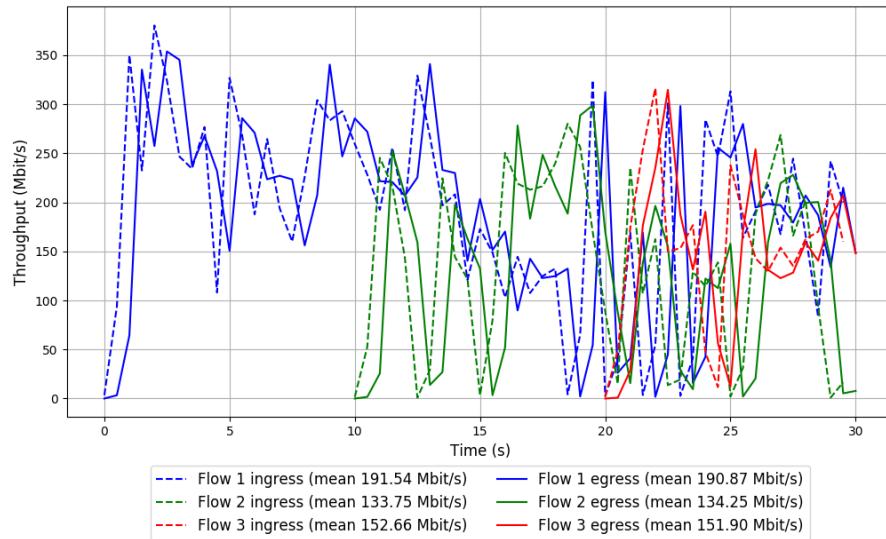


Run 2: Statistics of Verus

```
Start at: 2018-05-26 14:45:36
End at: 2018-05-26 14:46:06
Local clock offset: -0.272 ms
Remote clock offset: 0.123 ms

# Below is generated by plot.py at 2018-05-26 20:39:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 329.85 Mbit/s
95th percentile per-packet one-way delay: 129.472 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 190.87 Mbit/s
95th percentile per-packet one-way delay: 116.878 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 134.25 Mbit/s
95th percentile per-packet one-way delay: 138.633 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 151.90 Mbit/s
95th percentile per-packet one-way delay: 134.653 ms
Loss rate: 1.53%
```

Run 2: Report of Verus — Data Link

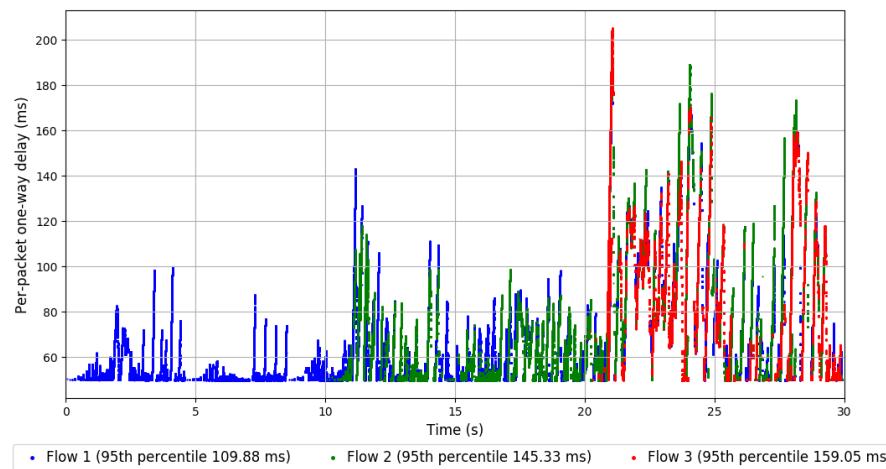
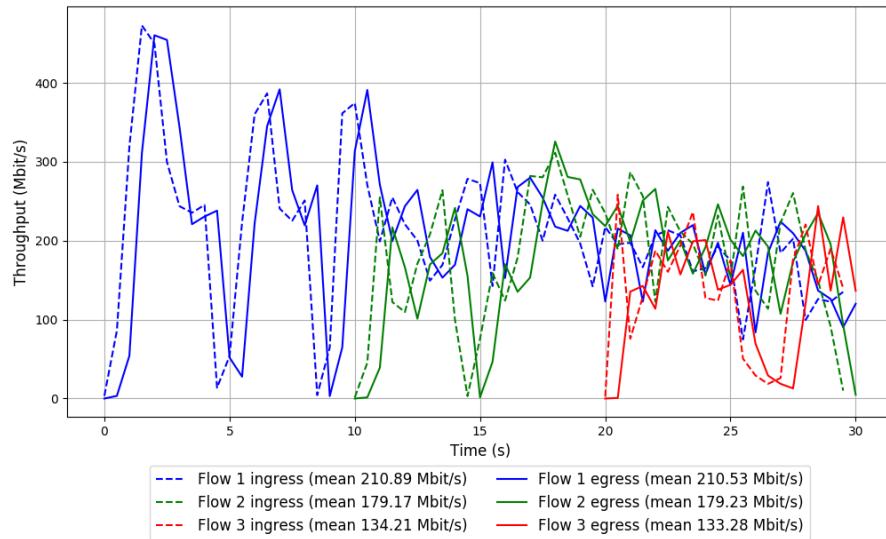


Run 3: Statistics of Verus

```
Start at: 2018-05-26 15:08:42
End at: 2018-05-26 15:09:12
Local clock offset: 0.053 ms
Remote clock offset: 0.229 ms

# Below is generated by plot.py at 2018-05-26 20:40:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 373.21 Mbit/s
95th percentile per-packet one-way delay: 133.366 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 210.53 Mbit/s
95th percentile per-packet one-way delay: 109.875 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 179.23 Mbit/s
95th percentile per-packet one-way delay: 145.327 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 133.28 Mbit/s
95th percentile per-packet one-way delay: 159.053 ms
Loss rate: 2.30%
```

Run 3: Report of Verus — Data Link

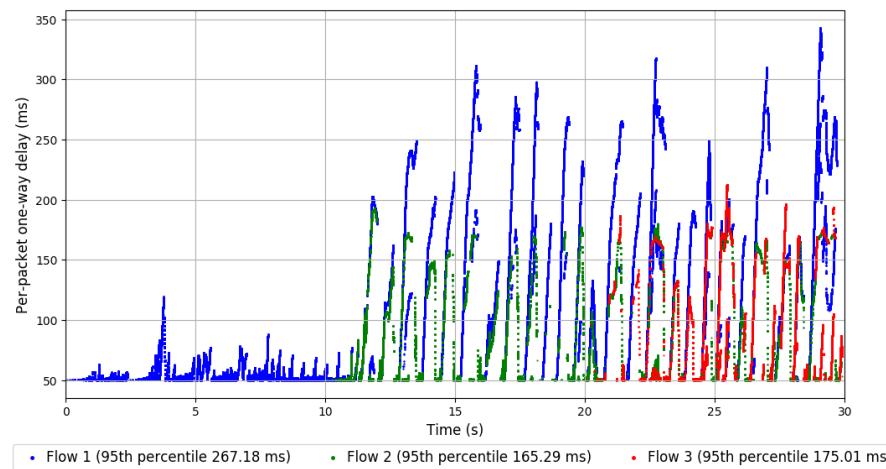
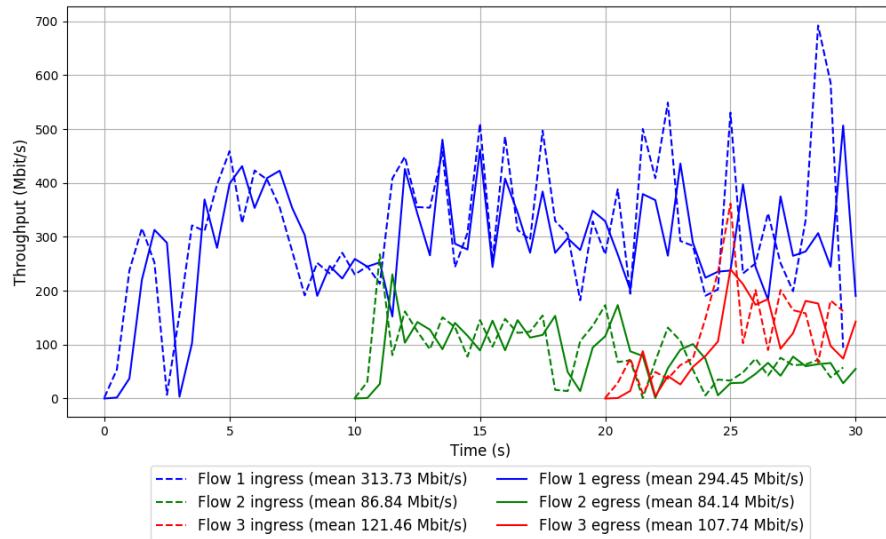


Run 4: Statistics of Verus

```
Start at: 2018-05-26 15:31:54
End at: 2018-05-26 15:32:24
Local clock offset: 0.062 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-05-26 20:41:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 383.75 Mbit/s
95th percentile per-packet one-way delay: 263.318 ms
Loss rate: 7.10%
-- Flow 1:
Average throughput: 294.45 Mbit/s
95th percentile per-packet one-way delay: 267.176 ms
Loss rate: 7.10%
-- Flow 2:
Average throughput: 84.14 Mbit/s
95th percentile per-packet one-way delay: 165.290 ms
Loss rate: 3.58%
-- Flow 3:
Average throughput: 107.74 Mbit/s
95th percentile per-packet one-way delay: 175.011 ms
Loss rate: 12.21%
```

Run 4: Report of Verus — Data Link

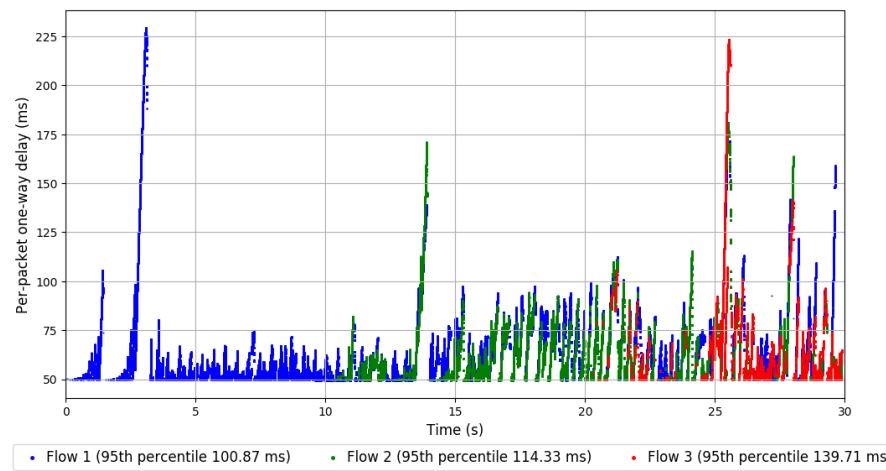
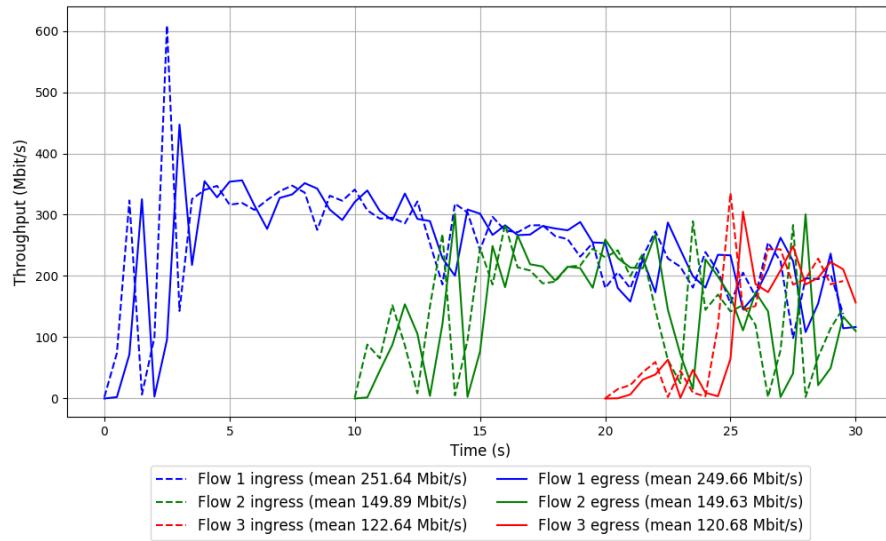


Run 5: Statistics of Verus

```
Start at: 2018-05-26 15:55:38
End at: 2018-05-26 15:56:08
Local clock offset: -0.376 ms
Remote clock offset: 0.125 ms

# Below is generated by plot.py at 2018-05-26 20:42:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 388.65 Mbit/s
95th percentile per-packet one-way delay: 108.548 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 249.66 Mbit/s
95th percentile per-packet one-way delay: 100.867 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 149.63 Mbit/s
95th percentile per-packet one-way delay: 114.325 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 120.68 Mbit/s
95th percentile per-packet one-way delay: 139.705 ms
Loss rate: 2.57%
```

Run 5: Report of Verus — Data Link

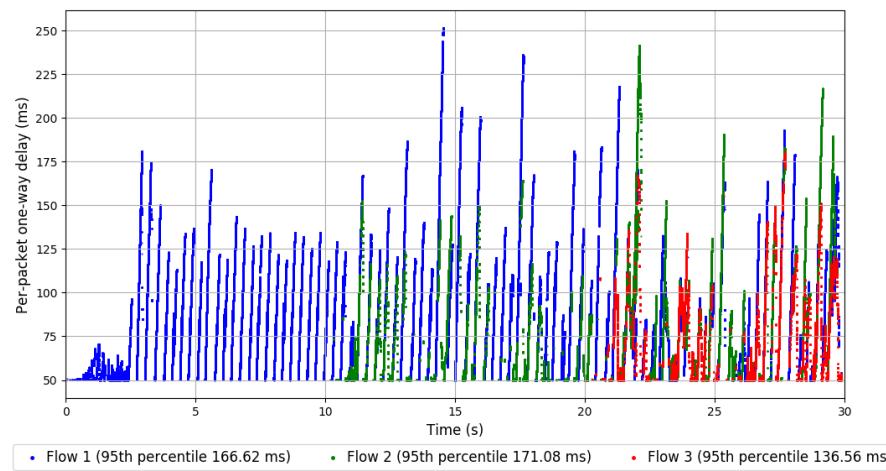
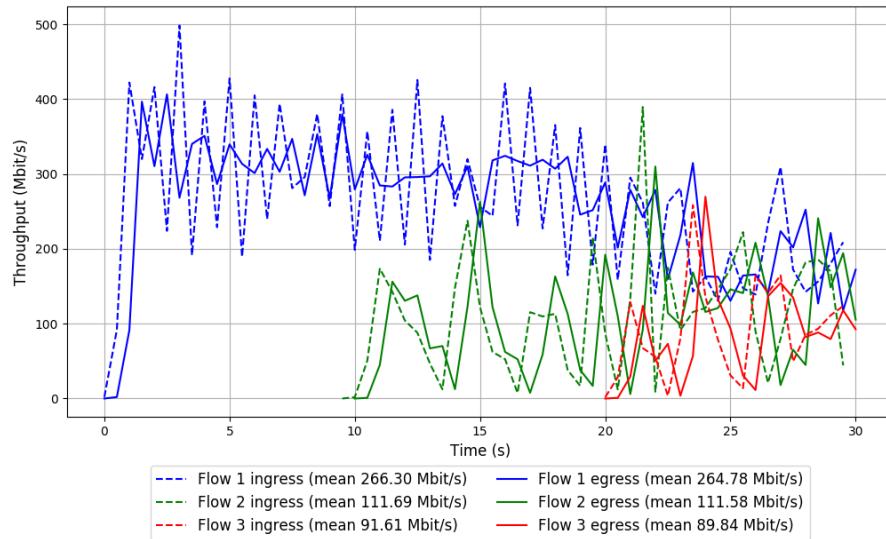


Run 6: Statistics of Verus

```
Start at: 2018-05-26 16:18:37
End at: 2018-05-26 16:19:07
Local clock offset: -0.062 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2018-05-26 20:42:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 368.38 Mbit/s
95th percentile per-packet one-way delay: 165.136 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 264.78 Mbit/s
95th percentile per-packet one-way delay: 166.621 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 111.58 Mbit/s
95th percentile per-packet one-way delay: 171.083 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 136.556 ms
Loss rate: 2.97%
```

Run 6: Report of Verus — Data Link

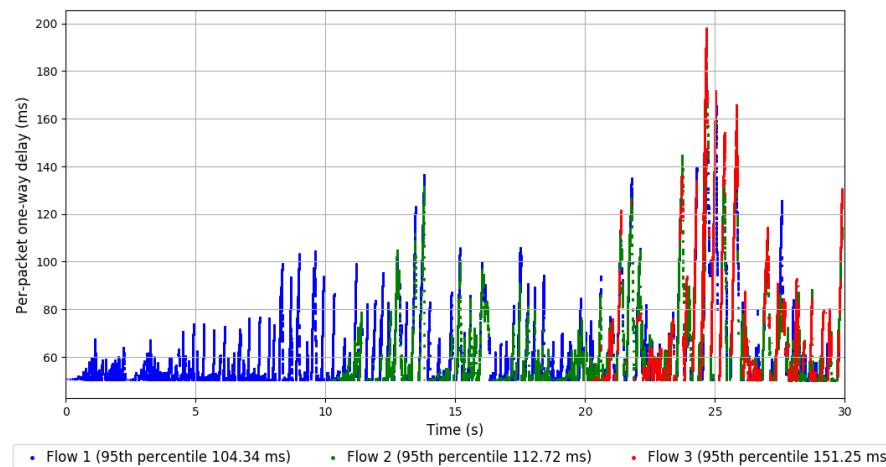
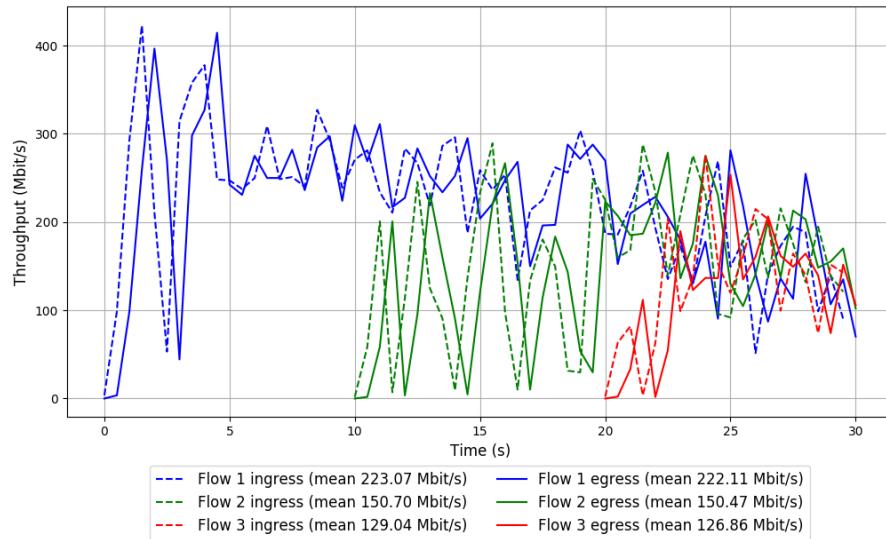


Run 7: Statistics of Verus

```
Start at: 2018-05-26 16:41:46
End at: 2018-05-26 16:42:16
Local clock offset: 0.434 ms
Remote clock offset: 0.09 ms

# Below is generated by plot.py at 2018-05-26 20:44:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 363.89 Mbit/s
95th percentile per-packet one-way delay: 115.805 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 222.11 Mbit/s
95th percentile per-packet one-way delay: 104.344 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 150.47 Mbit/s
95th percentile per-packet one-way delay: 112.725 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 126.86 Mbit/s
95th percentile per-packet one-way delay: 151.249 ms
Loss rate: 2.38%
```

Run 7: Report of Verus — Data Link

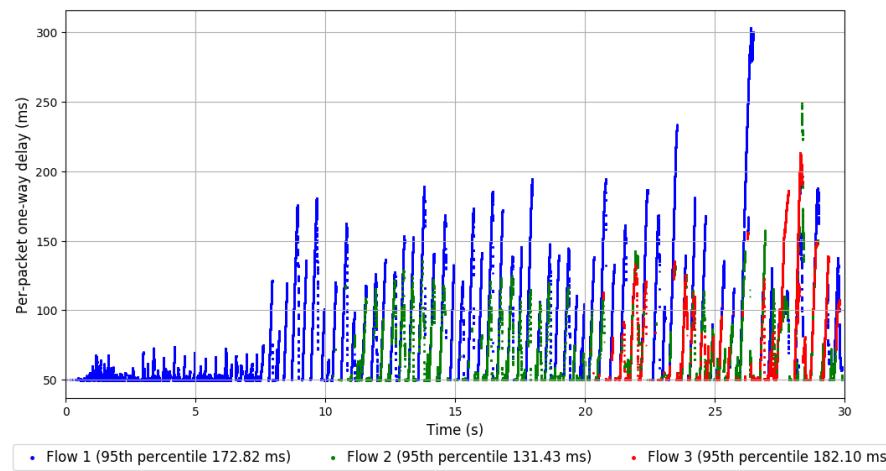
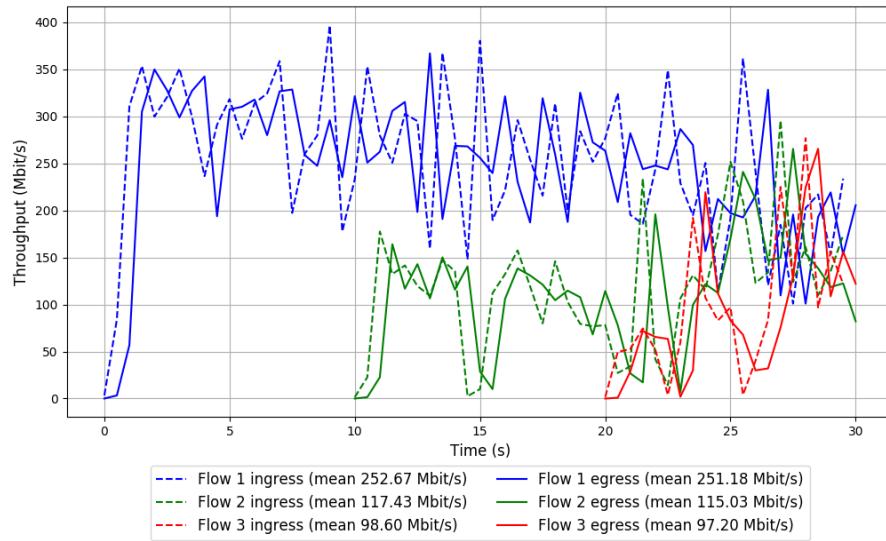


Run 8: Statistics of Verus

```
Start at: 2018-05-26 17:04:23
End at: 2018-05-26 17:04:53
Local clock offset: -0.04 ms
Remote clock offset: 0.033 ms

# Below is generated by plot.py at 2018-05-26 20:45:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 359.27 Mbit/s
95th percentile per-packet one-way delay: 167.857 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 251.18 Mbit/s
95th percentile per-packet one-way delay: 172.820 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 115.03 Mbit/s
95th percentile per-packet one-way delay: 131.430 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 182.098 ms
Loss rate: 0.86%
```

Run 8: Report of Verus — Data Link

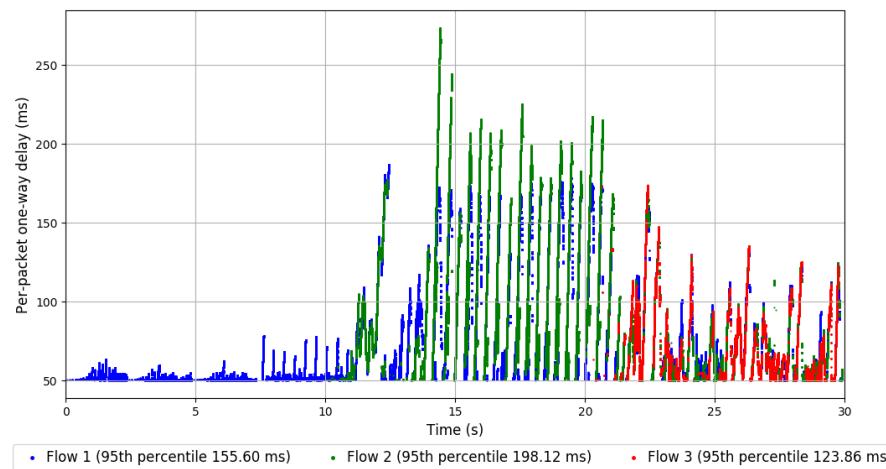
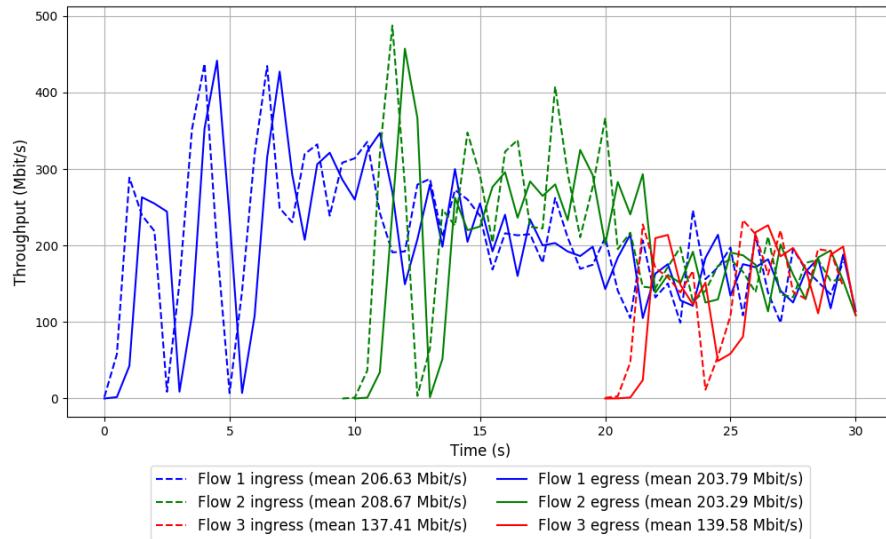


Run 9: Statistics of Verus

```
Start at: 2018-05-26 17:27:40
End at: 2018-05-26 17:28:10
Local clock offset: 0.028 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-05-26 20:46:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 383.60 Mbit/s
95th percentile per-packet one-way delay: 173.054 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 203.79 Mbit/s
95th percentile per-packet one-way delay: 155.601 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 203.29 Mbit/s
95th percentile per-packet one-way delay: 198.116 ms
Loss rate: 3.03%
-- Flow 3:
Average throughput: 139.58 Mbit/s
95th percentile per-packet one-way delay: 123.863 ms
Loss rate: 2.13%
```

Run 9: Report of Verus — Data Link

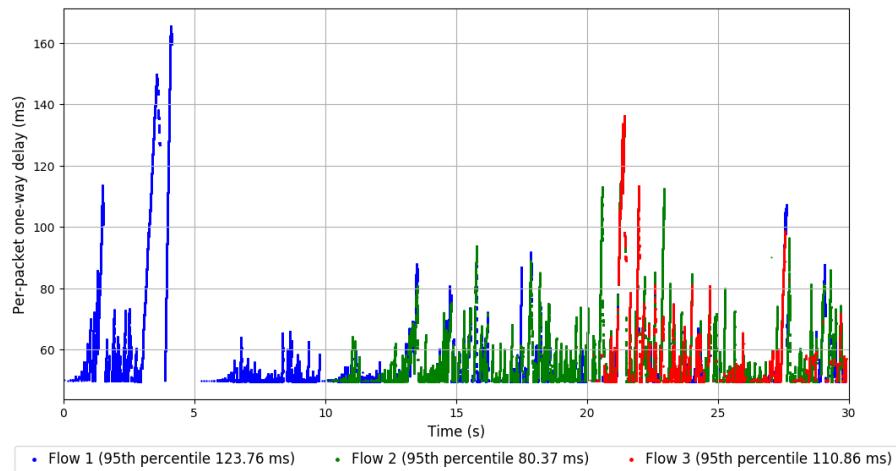
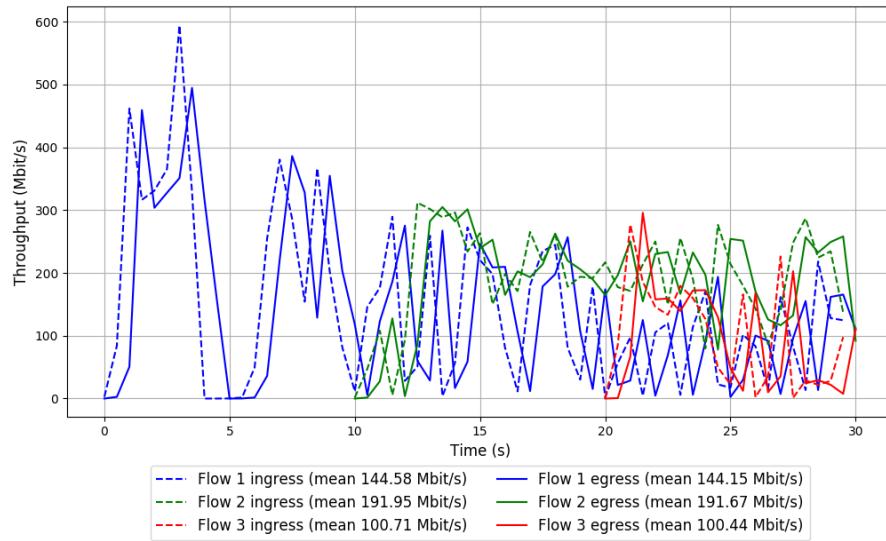


Run 10: Statistics of Verus

```
Start at: 2018-05-26 17:51:20
End at: 2018-05-26 17:51:50
Local clock offset: 0.081 ms
Remote clock offset: 0.242 ms

# Below is generated by plot.py at 2018-05-26 20:46:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 304.44 Mbit/s
95th percentile per-packet one-way delay: 105.092 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 144.15 Mbit/s
95th percentile per-packet one-way delay: 123.762 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 191.67 Mbit/s
95th percentile per-packet one-way delay: 80.372 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 100.44 Mbit/s
95th percentile per-packet one-way delay: 110.864 ms
Loss rate: 0.33%
```

Run 10: Report of Verus — Data Link

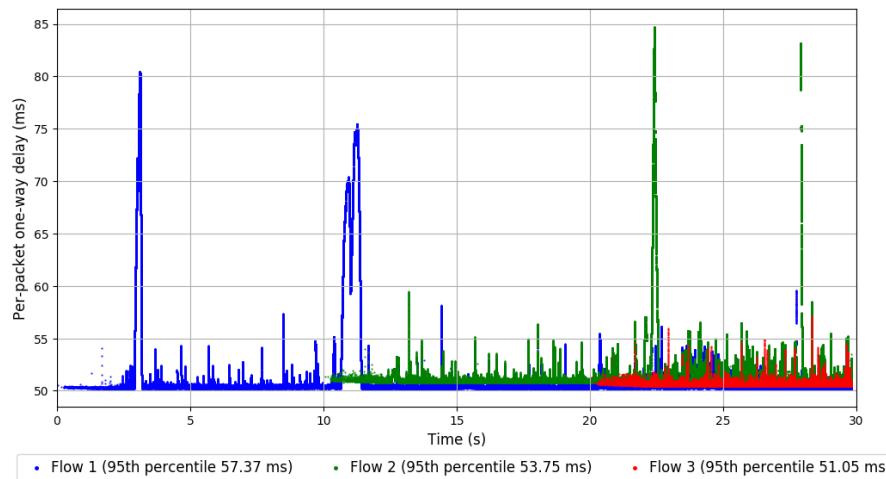
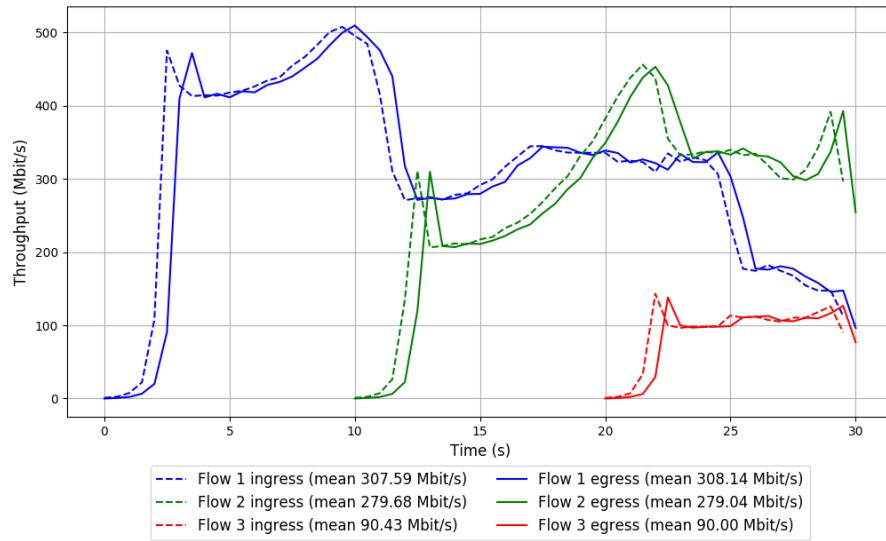


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2018-05-26 14:33:01
End at: 2018-05-26 14:33:31
Local clock offset: 0.439 ms
Remote clock offset: 0.135 ms

# Below is generated by plot.py at 2018-05-26 20:50:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 522.85 Mbit/s
95th percentile per-packet one-way delay: 54.223 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 308.14 Mbit/s
95th percentile per-packet one-way delay: 57.365 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 279.04 Mbit/s
95th percentile per-packet one-way delay: 53.748 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 51.050 ms
Loss rate: 1.51%
```

Run 1: Report of PCC-Vivace — Data Link

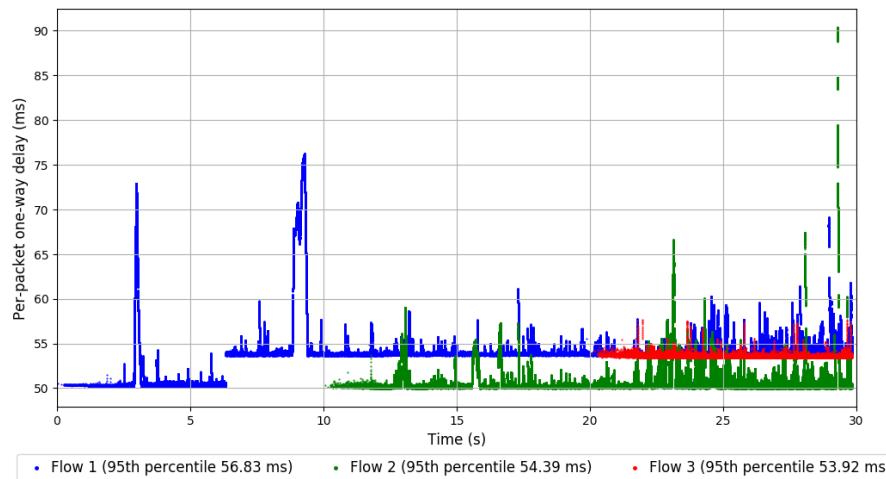
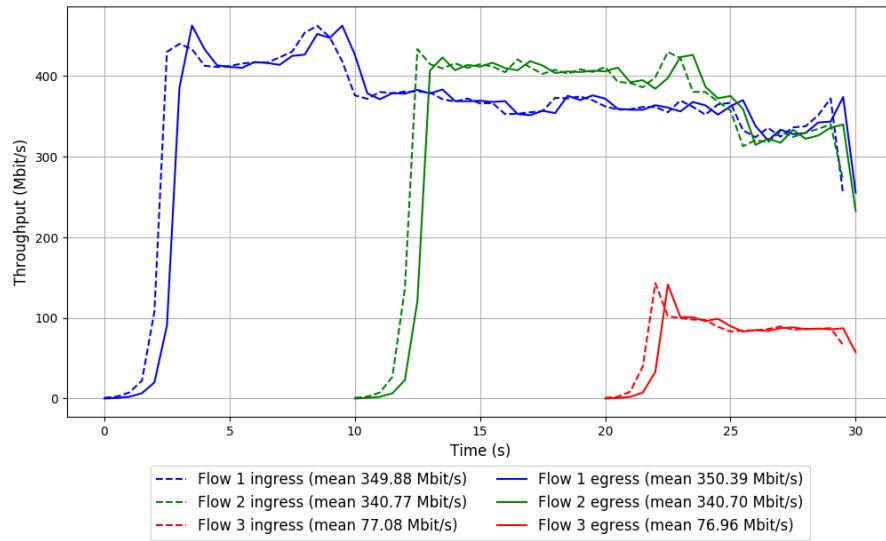


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-26 14:56:01
End at: 2018-05-26 14:56:31
Local clock offset: -0.112 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-05-26 20:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 601.88 Mbit/s
95th percentile per-packet one-way delay: 55.713 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 350.39 Mbit/s
95th percentile per-packet one-way delay: 56.827 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 340.70 Mbit/s
95th percentile per-packet one-way delay: 54.389 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 53.923 ms
Loss rate: 1.23%
```

Run 2: Report of PCC-Vivace — Data Link

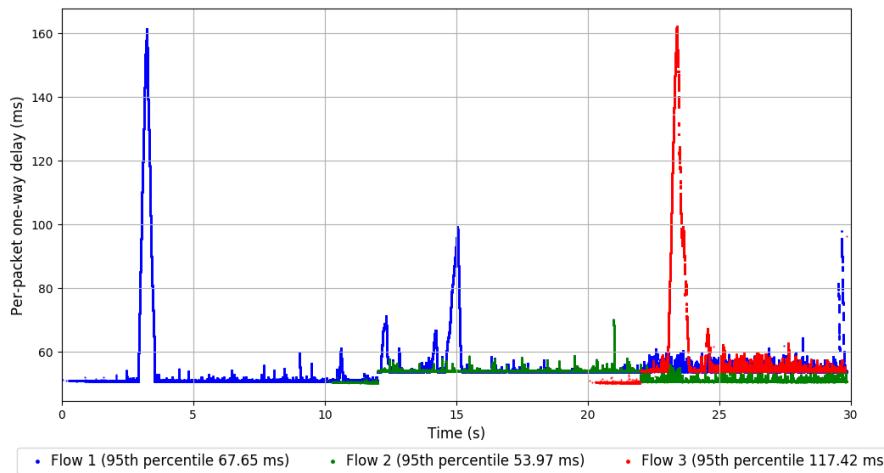
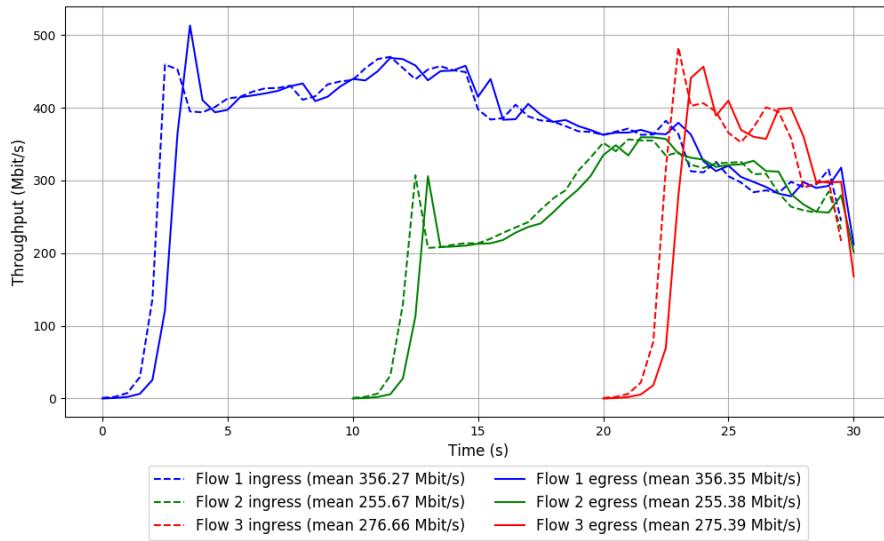


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-26 15:19:13
End at: 2018-05-26 15:19:43
Local clock offset: 0.105 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-05-26 20:53:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 616.16 Mbit/s
95th percentile per-packet one-way delay: 66.205 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 356.35 Mbit/s
95th percentile per-packet one-way delay: 67.649 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 255.38 Mbit/s
95th percentile per-packet one-way delay: 53.973 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 275.39 Mbit/s
95th percentile per-packet one-way delay: 117.424 ms
Loss rate: 1.46%
```

Run 3: Report of PCC-Vivace — Data Link

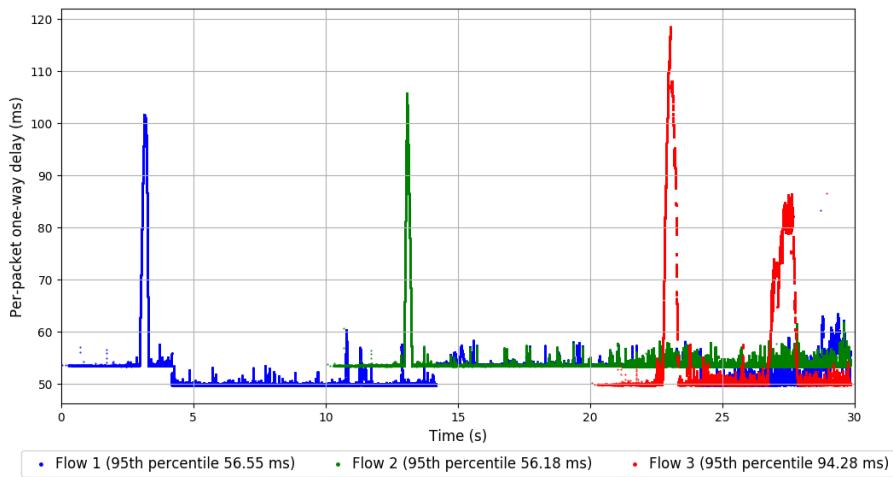
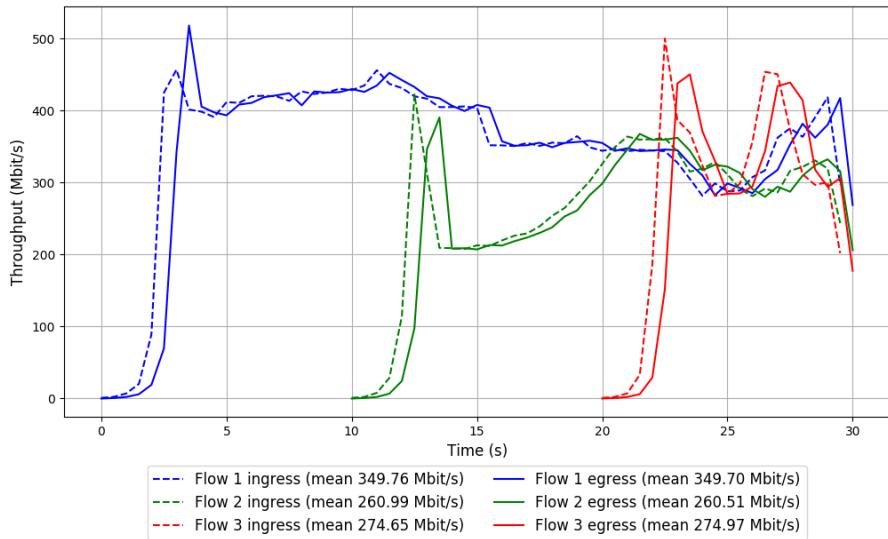


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-26 15:42:53
End at: 2018-05-26 15:43:23
Local clock offset: -0.228 ms
Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2018-05-26 20:54:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 612.78 Mbit/s
95th percentile per-packet one-way delay: 64.321 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 349.70 Mbit/s
95th percentile per-packet one-way delay: 56.545 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 260.51 Mbit/s
95th percentile per-packet one-way delay: 56.179 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 274.97 Mbit/s
95th percentile per-packet one-way delay: 94.285 ms
Loss rate: 0.91%
```

Run 4: Report of PCC-Vivace — Data Link

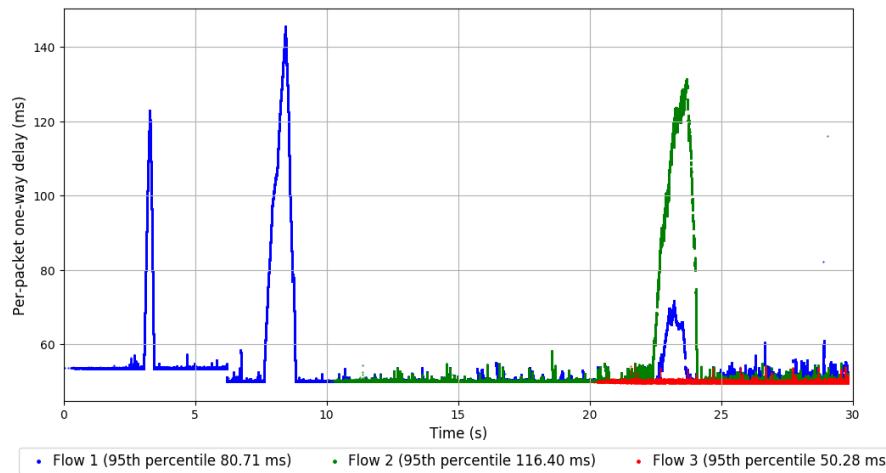
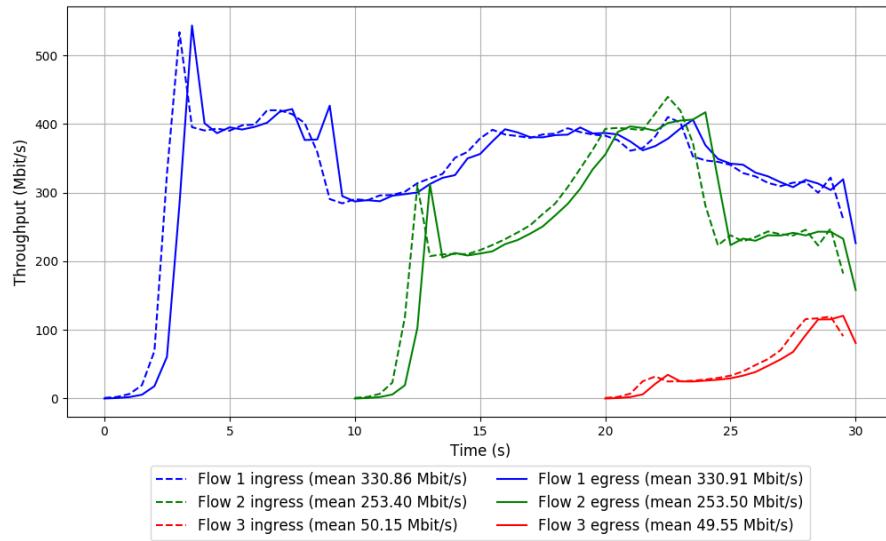


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-26 16:06:18
End at: 2018-05-26 16:06:48
Local clock offset: -0.115 ms
Remote clock offset: 0.116 ms

# Below is generated by plot.py at 2018-05-26 20:54:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 515.45 Mbit/s
95th percentile per-packet one-way delay: 98.330 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 330.91 Mbit/s
95th percentile per-packet one-way delay: 80.707 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 253.50 Mbit/s
95th percentile per-packet one-way delay: 116.403 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 49.55 Mbit/s
95th percentile per-packet one-way delay: 50.277 ms
Loss rate: 2.20%
```

Run 5: Report of PCC-Vivace — Data Link

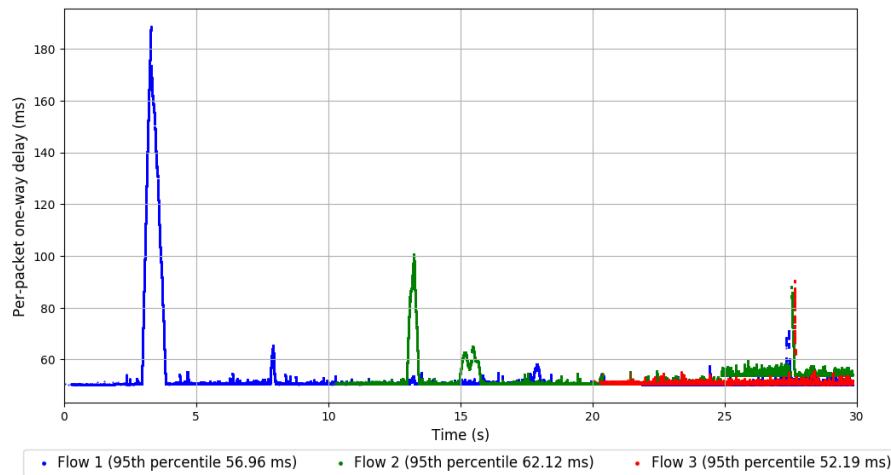
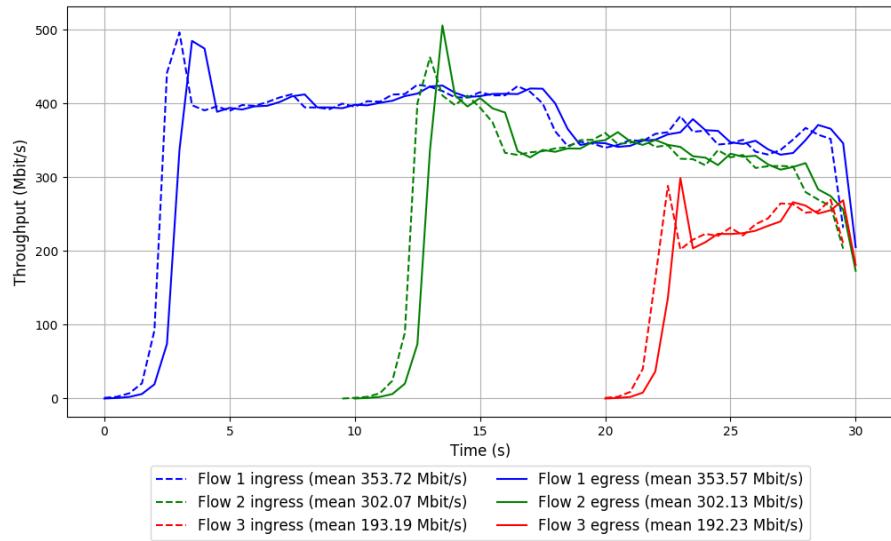


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-26 16:29:13
End at: 2018-05-26 16:29:43
Local clock offset: 0.314 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-05-26 20:56:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 617.30 Mbit/s
95th percentile per-packet one-way delay: 59.232 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 353.57 Mbit/s
95th percentile per-packet one-way delay: 56.958 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 302.13 Mbit/s
95th percentile per-packet one-way delay: 62.116 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 192.23 Mbit/s
95th percentile per-packet one-way delay: 52.191 ms
Loss rate: 1.52%
```

Run 6: Report of PCC-Vivace — Data Link

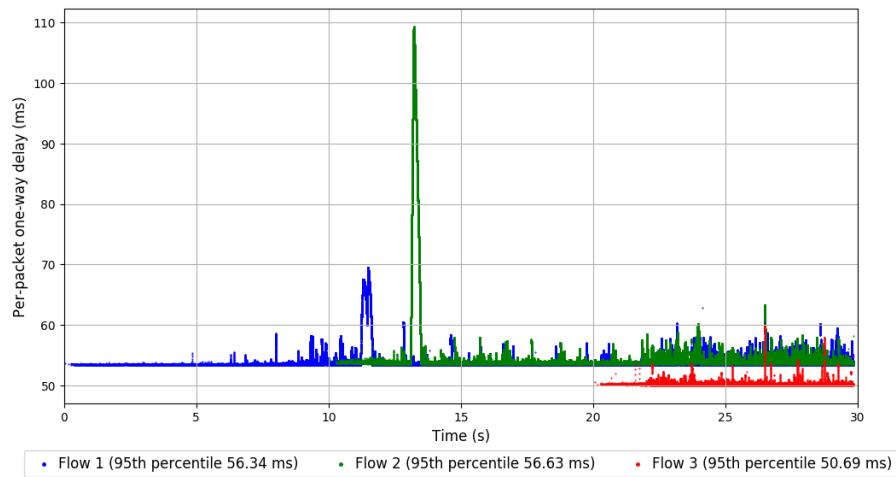
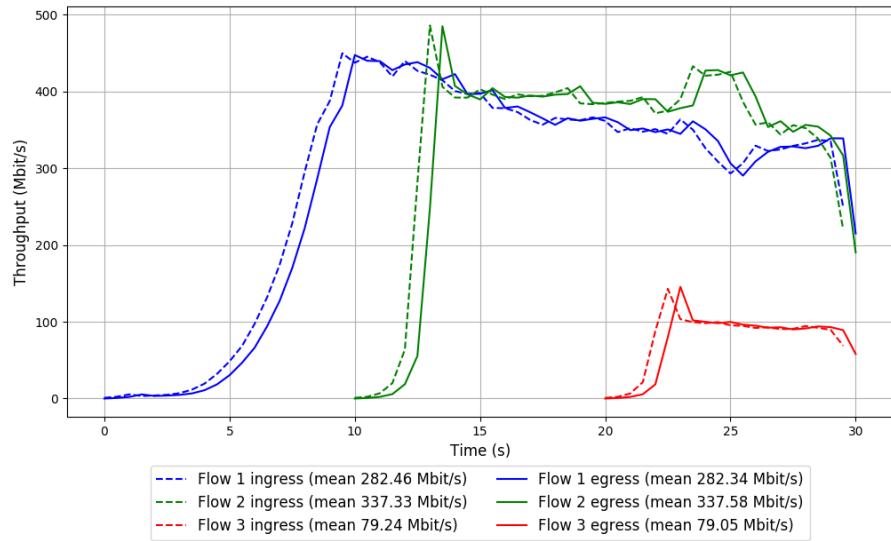


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-26 16:52:05
End at: 2018-05-26 16:52:35
Local clock offset: 0.103 ms
Remote clock offset: -0.237 ms

# Below is generated by plot.py at 2018-05-26 20:56:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 532.33 Mbit/s
95th percentile per-packet one-way delay: 56.350 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 282.34 Mbit/s
95th percentile per-packet one-way delay: 56.343 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 337.58 Mbit/s
95th percentile per-packet one-way delay: 56.631 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 79.05 Mbit/s
95th percentile per-packet one-way delay: 50.687 ms
Loss rate: 1.26%
```

Run 7: Report of PCC-Vivace — Data Link

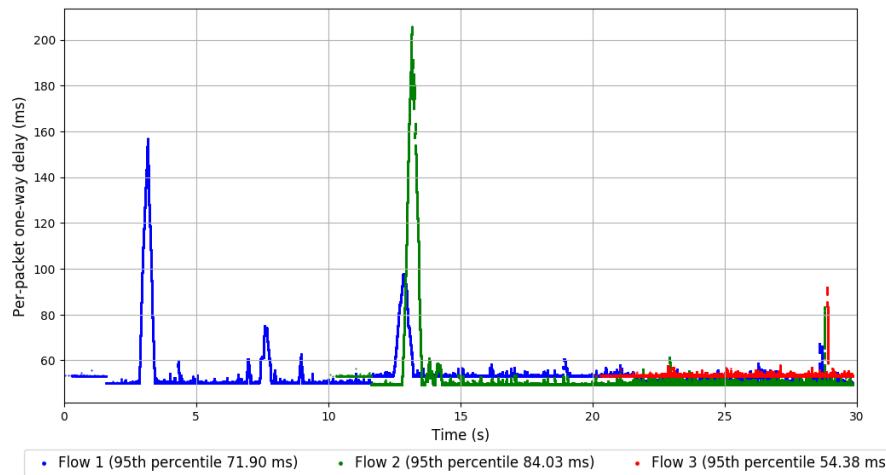
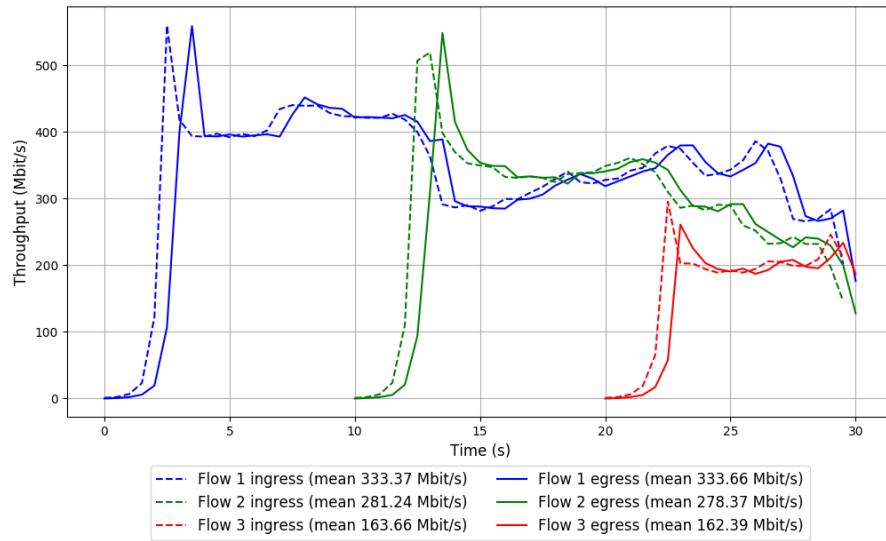


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-26 17:14:56
End at: 2018-05-26 17:15:26
Local clock offset: -0.294 ms
Remote clock offset: 0.081 ms

# Below is generated by plot.py at 2018-05-26 20:56:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 571.64 Mbit/s
95th percentile per-packet one-way delay: 69.476 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 333.66 Mbit/s
95th percentile per-packet one-way delay: 71.896 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 278.37 Mbit/s
95th percentile per-packet one-way delay: 84.026 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 162.39 Mbit/s
95th percentile per-packet one-way delay: 54.385 ms
Loss rate: 1.83%
```

Run 8: Report of PCC-Vivace — Data Link

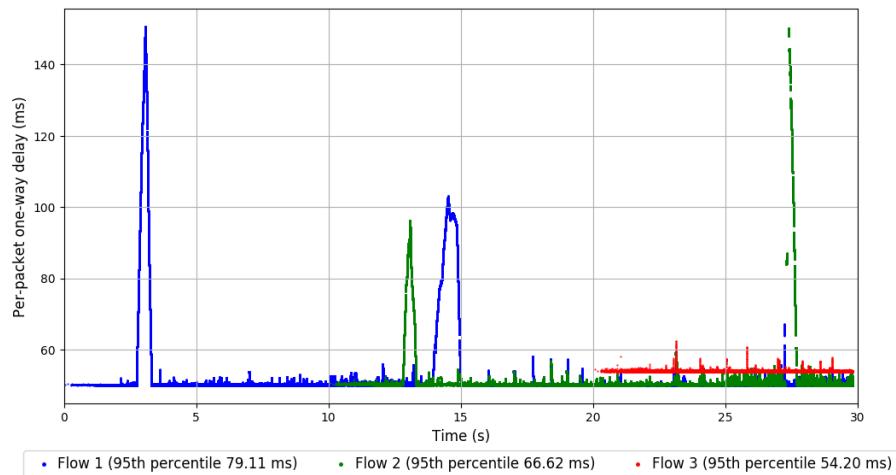
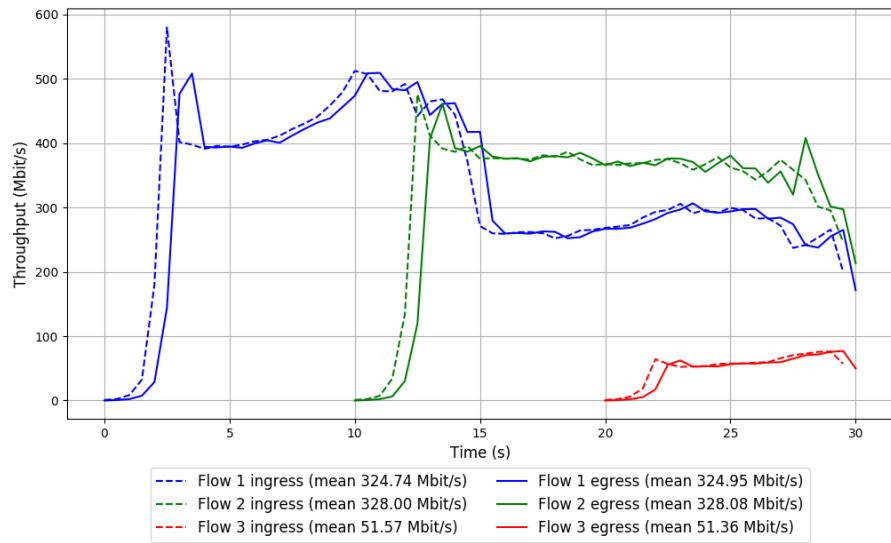


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-26 17:38:30
End at: 2018-05-26 17:39:00
Local clock offset: -0.06 ms
Remote clock offset: -0.208 ms

# Below is generated by plot.py at 2018-05-26 20:57:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 559.57 Mbit/s
95th percentile per-packet one-way delay: 73.494 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 324.95 Mbit/s
95th percentile per-packet one-way delay: 79.108 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 328.08 Mbit/s
95th percentile per-packet one-way delay: 66.621 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 51.36 Mbit/s
95th percentile per-packet one-way delay: 54.202 ms
Loss rate: 1.47%
```

Run 9: Report of PCC-Vivace — Data Link

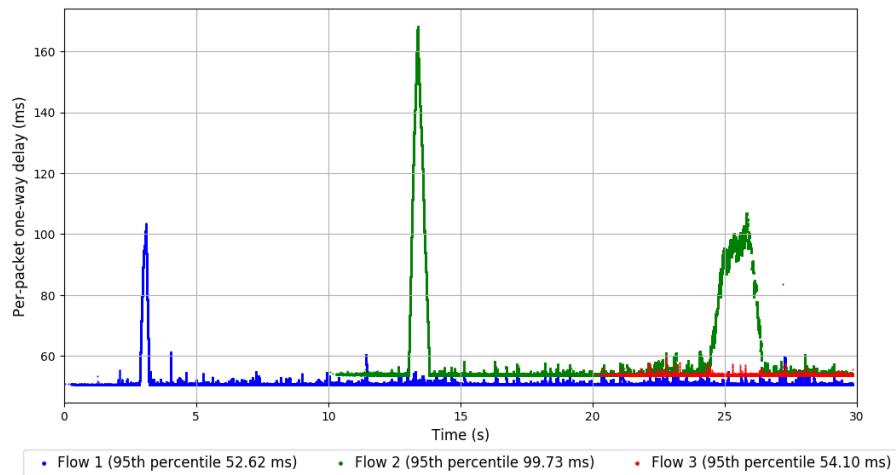
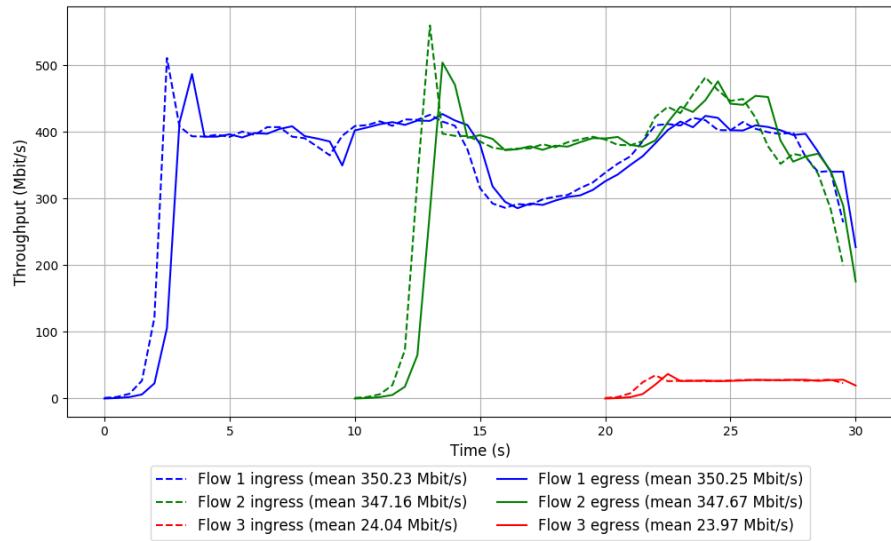


```
Run 10: Statistics of PCC-Vivace
```

```
Start at: 2018-05-26 18:01:54
End at: 2018-05-26 18:02:24
Local clock offset: 0.395 ms
Remote clock offset: 0.113 ms

# Below is generated by plot.py at 2018-05-26 20:57:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 588.86 Mbit/s
95th percentile per-packet one-way delay: 89.255 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 350.25 Mbit/s
95th percentile per-packet one-way delay: 52.622 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 347.67 Mbit/s
95th percentile per-packet one-way delay: 99.731 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 54.099 ms
Loss rate: 1.34%
```

Run 10: Report of PCC-Vivace — Data Link

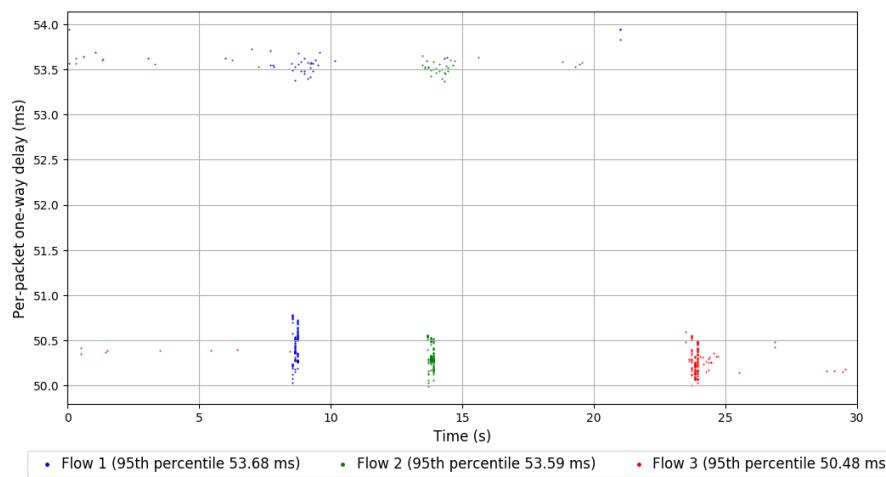
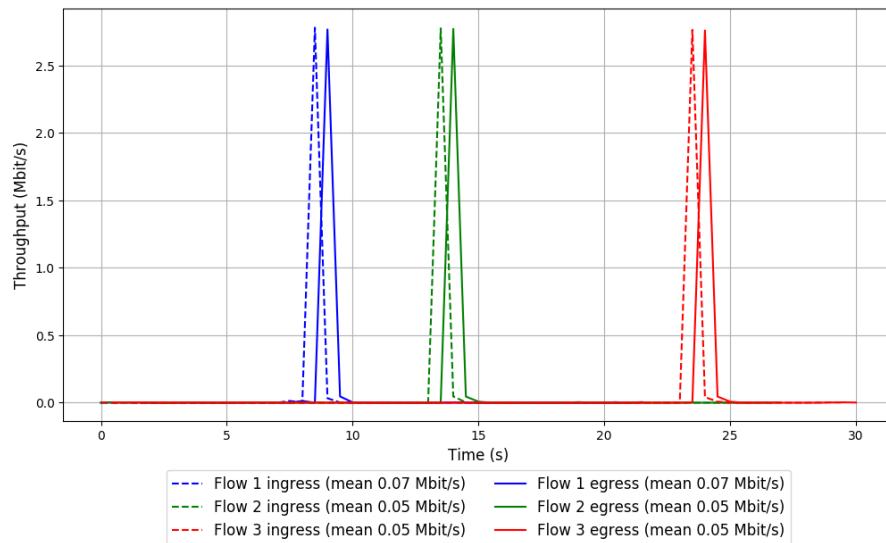


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-26 14:29:15
End at: 2018-05-26 14:29:45
Local clock offset: -0.038 ms
Remote clock offset: 0.165 ms

# Below is generated by plot.py at 2018-05-26 20:57:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 53.601 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 53.678 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 53.591 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.485 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

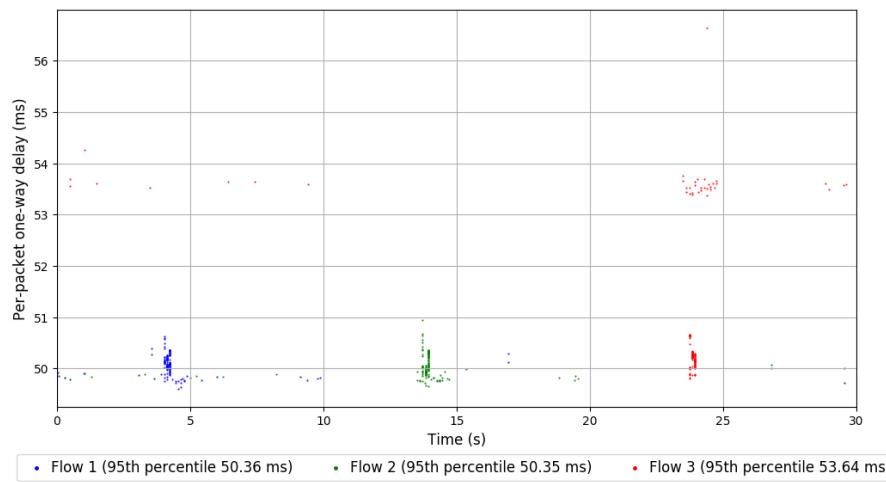
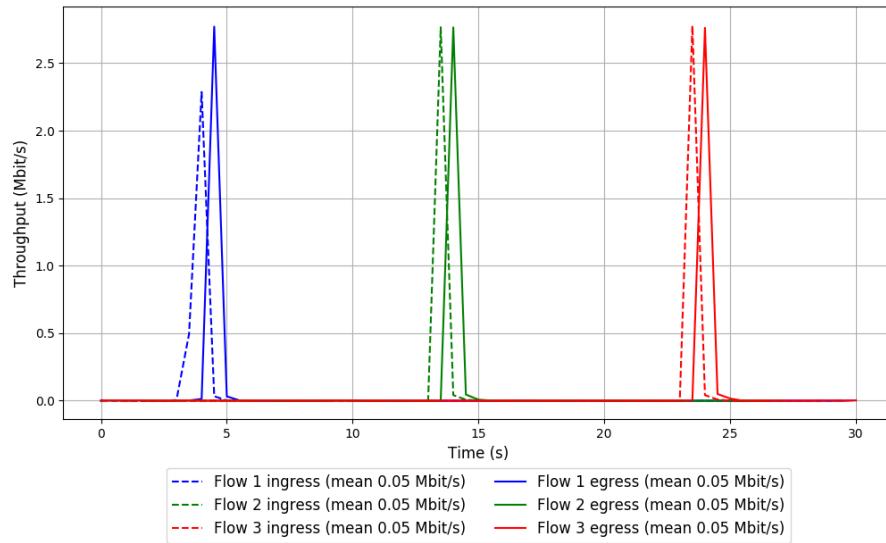


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-26 14:52:16
End at: 2018-05-26 14:52:46
Local clock offset: -0.146 ms
Remote clock offset: 0.172 ms

# Below is generated by plot.py at 2018-05-26 20:57:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 53.527 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.360 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.355 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 53.643 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

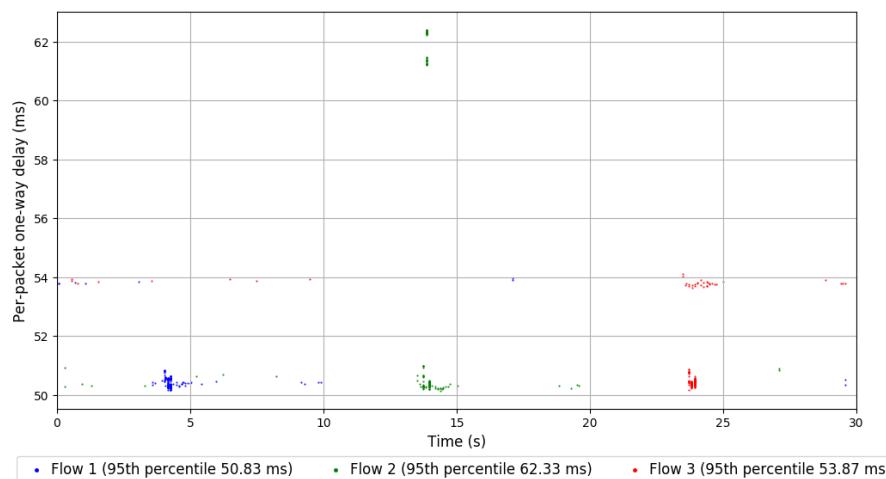
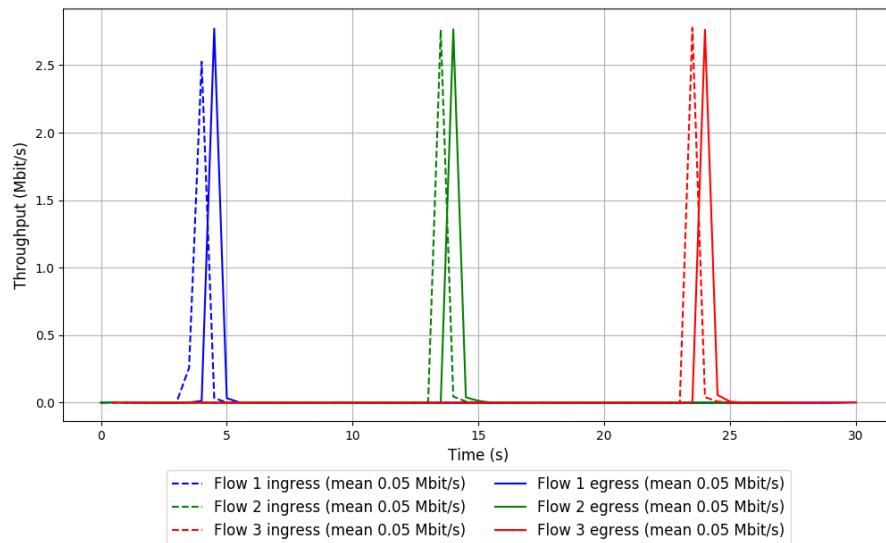


Run 3: Statistics of WebRTC media

```
Start at: 2018-05-26 15:15:24
End at: 2018-05-26 15:15:54
Local clock offset: -0.068 ms
Remote clock offset: -0.233 ms

# Below is generated by plot.py at 2018-05-26 20:57:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 61.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.830 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.330 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 53.873 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

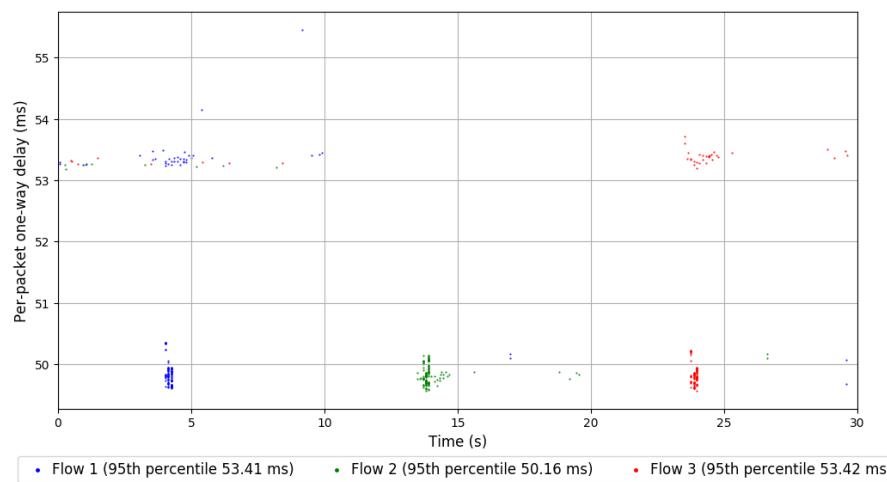
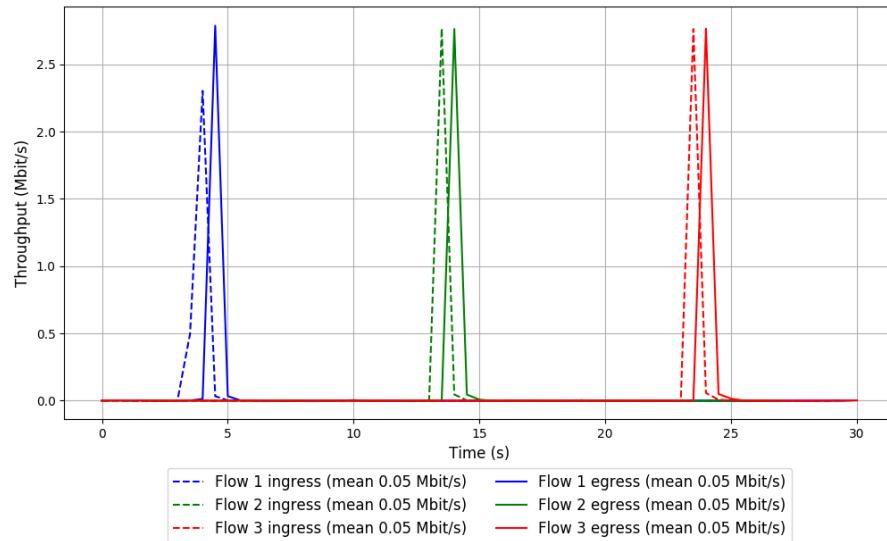


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-26 15:39:09
End at: 2018-05-26 15:39:39
Local clock offset: -0.236 ms
Remote clock offset: 0.301 ms

# Below is generated by plot.py at 2018-05-26 20:57:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 53.401 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 53.411 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.165 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 53.418 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

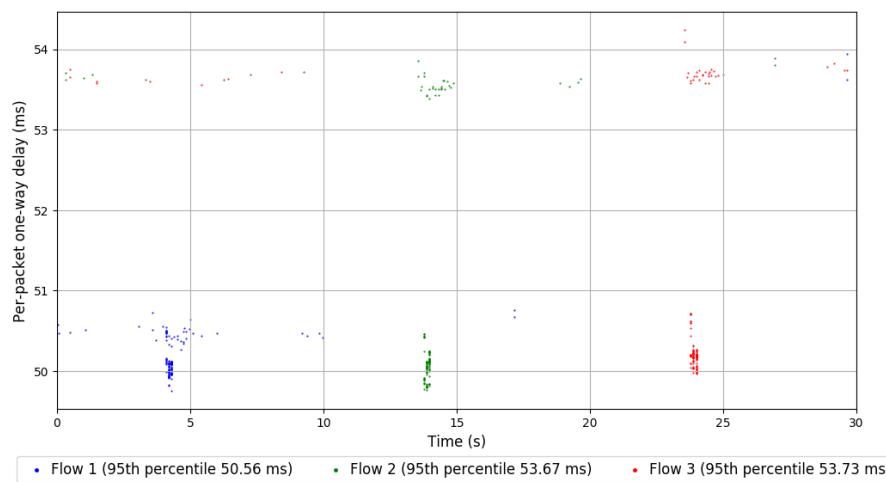
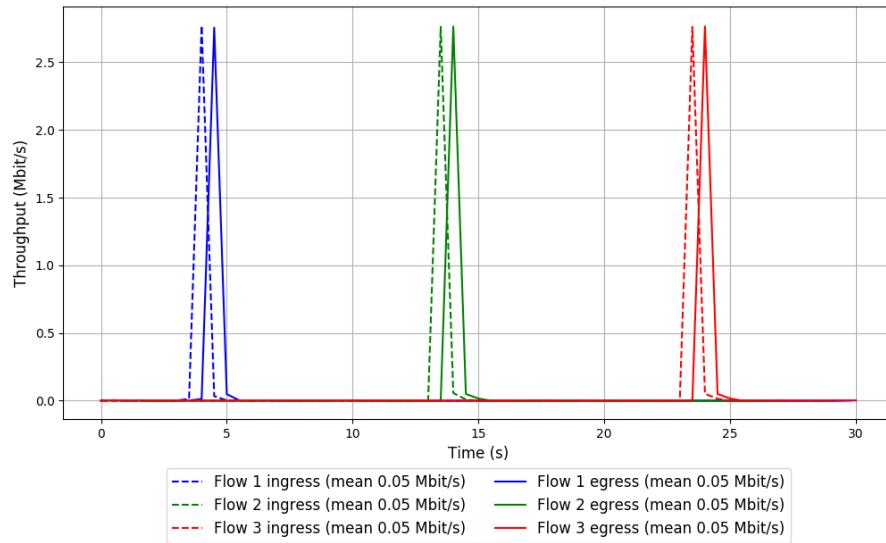


```
Run 5: Statistics of WebRTC media

Start at: 2018-05-26 16:02:29
End at: 2018-05-26 16:02:59
Local clock offset: -0.047 ms
Remote clock offset: 0.193 ms

# Below is generated by plot.py at 2018-05-26 20:57:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 53.691 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.556 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 53.666 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 53.734 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

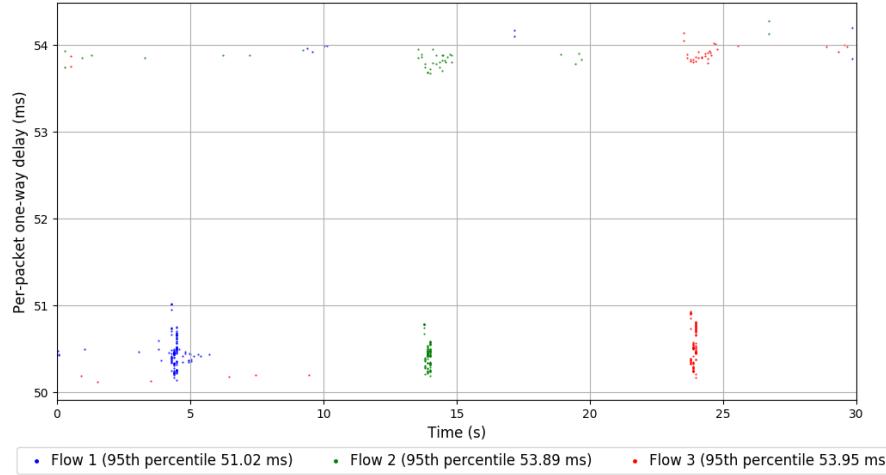
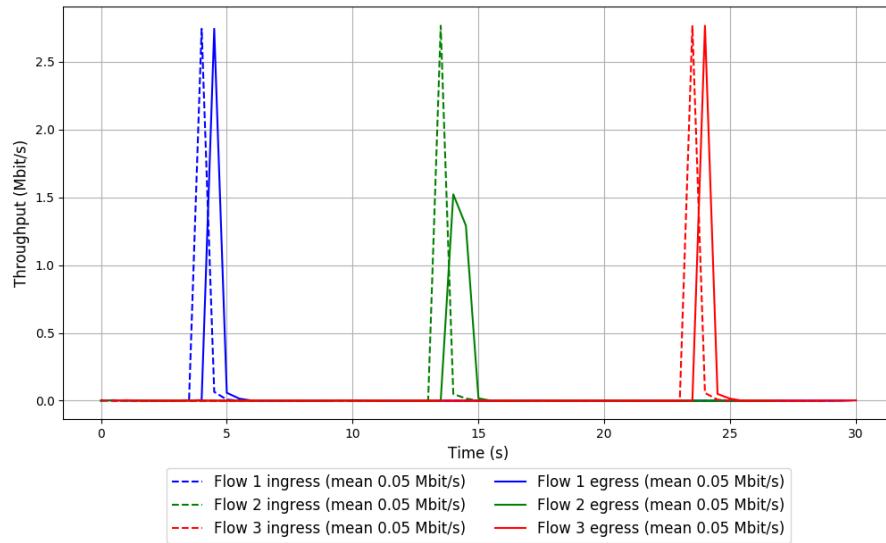


```
Run 6: Statistics of WebRTC media

Start at: 2018-05-26 16:25:30
End at: 2018-05-26 16:26:00
Local clock offset: 0.206 ms
Remote clock offset: 0.061 ms

# Below is generated by plot.py at 2018-05-26 20:57:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 53.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 51.015 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 53.894 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 53.951 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

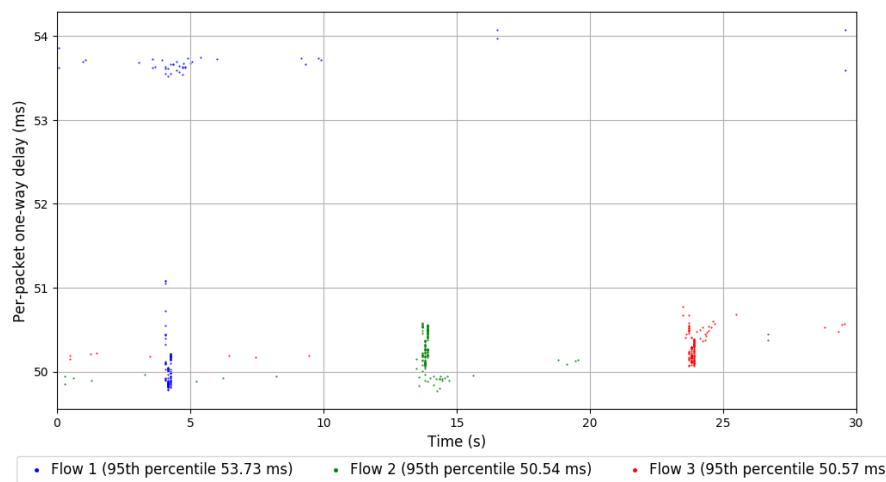
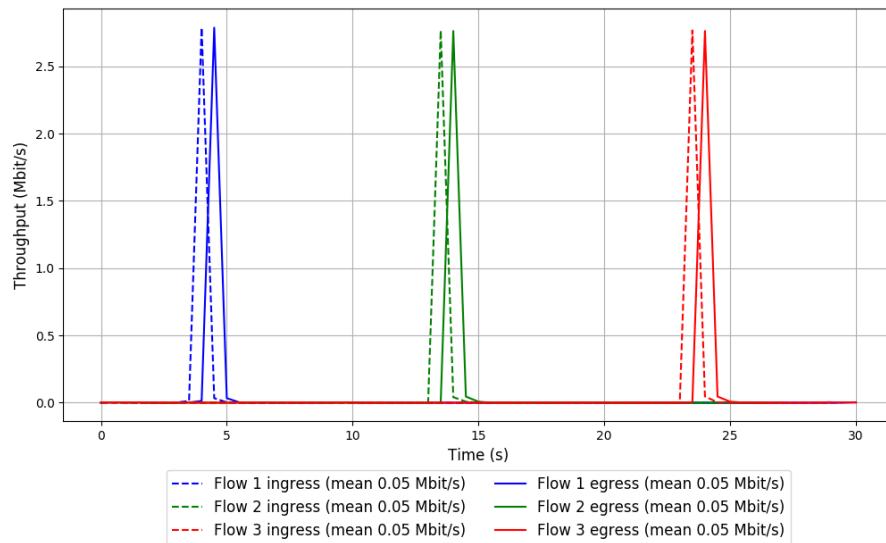


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-26 16:48:20
End at: 2018-05-26 16:48:50
Local clock offset: -0.155 ms
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2018-05-26 20:57:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 53.641 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 53.729 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.544 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.573 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

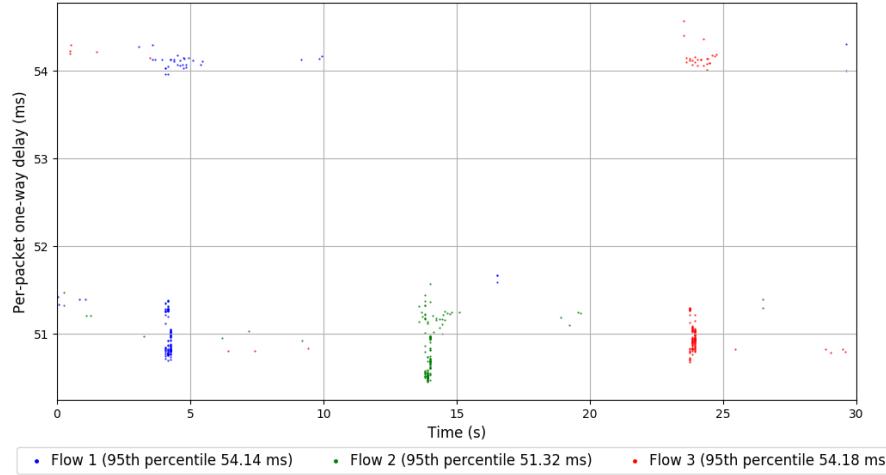
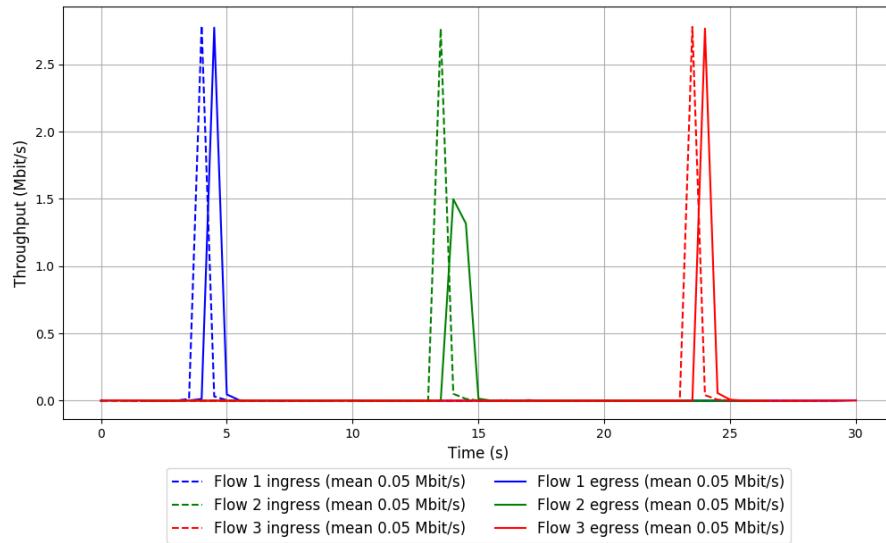


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-26 17:11:15
End at: 2018-05-26 17:11:45
Local clock offset: 0.33 ms
Remote clock offset: -0.315 ms

# Below is generated by plot.py at 2018-05-26 20:57:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 54.138 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 54.137 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 51.317 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 54.180 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

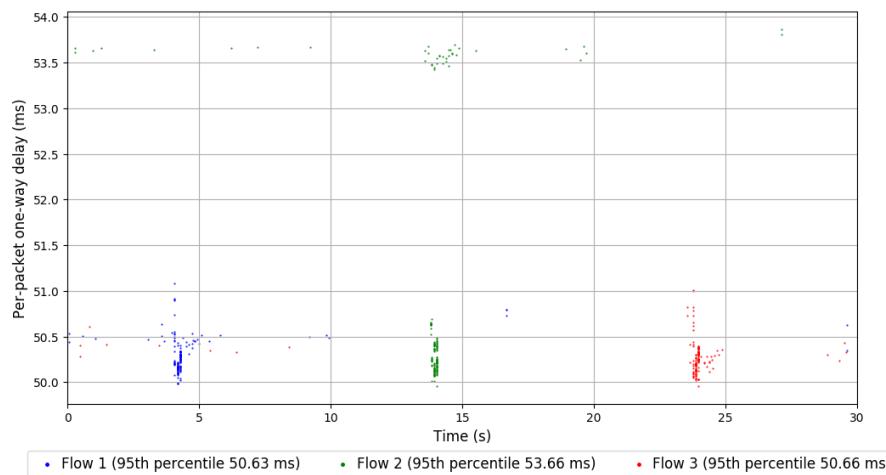
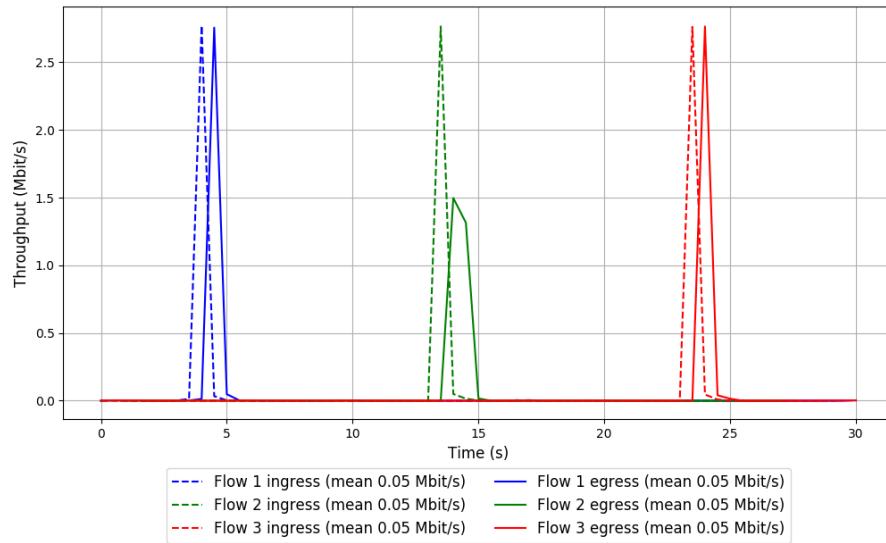


```
Run 9: Statistics of WebRTC media

Start at: 2018-05-26 17:34:43
End at: 2018-05-26 17:35:13
Local clock offset: -0.045 ms
Remote clock offset: 0.063 ms

# Below is generated by plot.py at 2018-05-26 20:57:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 53.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.635 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 53.661 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.655 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-26 17:58:10
End at: 2018-05-26 17:58:40
Local clock offset: 0.06 ms
Remote clock offset: 0.14 ms

# Below is generated by plot.py at 2018-05-26 20:57:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 53.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 53.445 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 53.665 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 53.854 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

