

Pantheon Report

Generated at 2018-05-25 09:12:49 (UTC).

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

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.

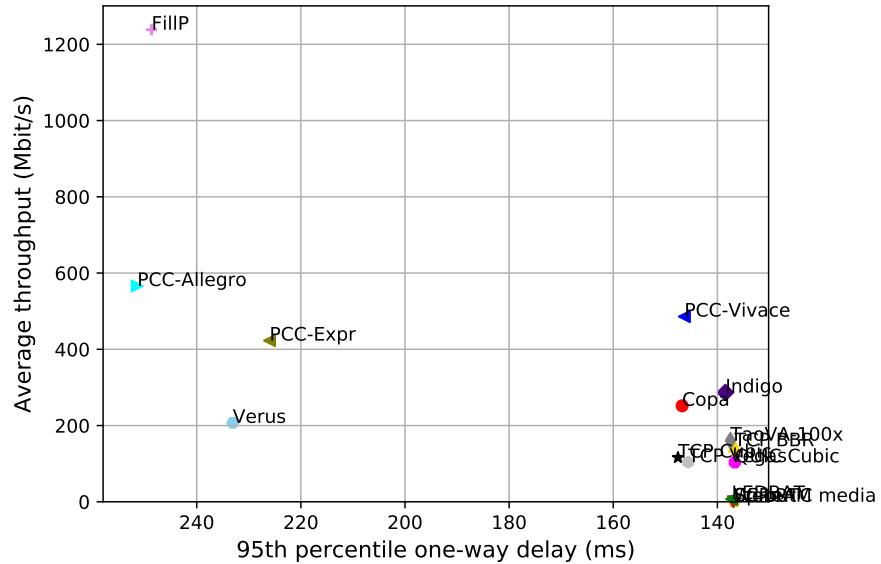
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

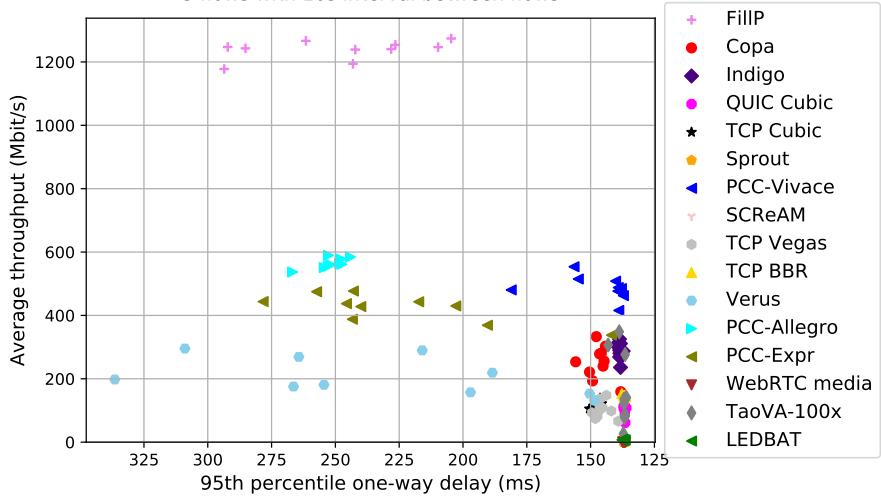
Git summary:

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



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



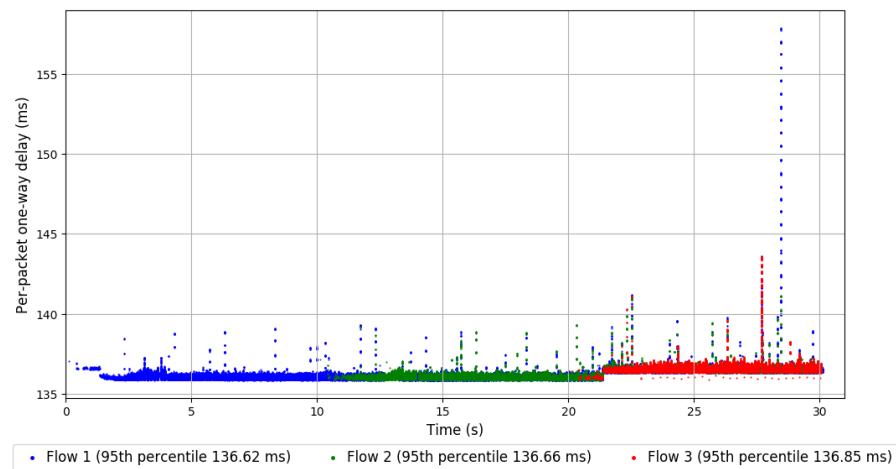
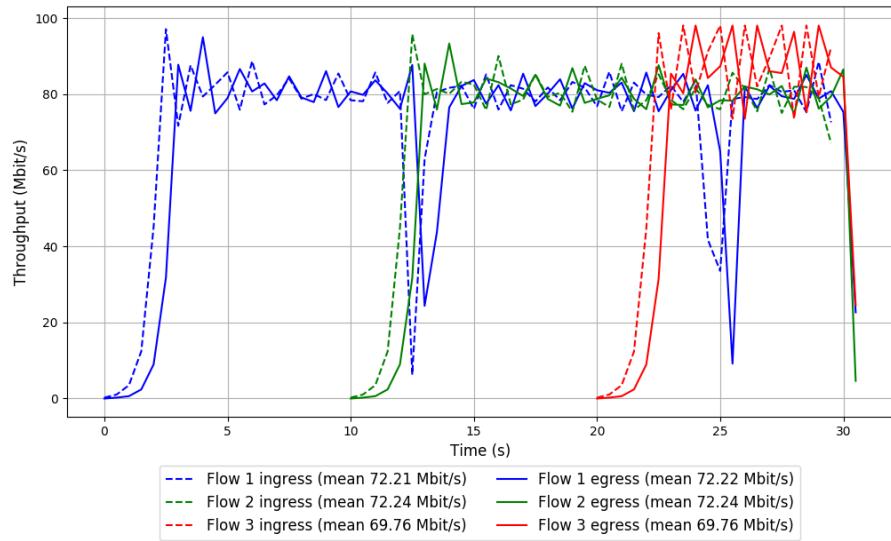
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	74.41	74.35	65.56	136.70	136.78	136.71	0.00	0.00	0.00
Copa	10	143.45	123.33	80.92	144.96	149.51	145.50	0.01	0.02	0.03
TCP Cubic	10	70.21	49.54	38.88	146.67	148.90	148.61	0.02	0.04	0.14
FillP	10	684.32	592.71	482.01	229.72	248.30	195.16	1.81	1.06	0.51
Indigo	10	140.26	149.87	147.06	138.01	138.41	139.94	0.00	0.00	0.00
LEDBAT	10	4.59	3.16	1.31	137.35	137.16	136.83	0.00	0.05	0.00
PCC-Allegro	10	494.88	90.85	32.52	251.32	251.65	245.62	1.98	1.88	2.42
PCC-Expr	10	286.18	163.06	85.63	240.60	184.98	195.65	1.40	0.40	0.69
QUIC Cubic	10	51.91	56.41	44.37	136.57	136.54	136.21	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	136.67	136.75	136.42	0.00	0.00	0.00
Sprout	10	0.16	0.18	0.21	136.64	136.75	136.68	0.00	0.00	0.00
TaoVA-100x	10	66.27	93.08	96.73	136.93	137.99	138.80	0.01	0.01	0.02
TCP Vegas	10	51.41	58.41	42.48	144.19	145.04	146.11	0.00	0.02	0.15
Verus	10	119.01	102.23	67.99	223.10	215.27	210.26	1.15	2.16	3.70
PCC-Vivace	10	318.82	183.83	135.53	141.27	140.34	173.37	0.10	0.00	0.43
WebRTC media	10	0.05	0.05	0.05	136.86	136.89	136.87	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-25 03:03:05
End at: 2018-05-25 03:03:35
Local clock offset: 0.008 ms
Remote clock offset: -0.211 ms

# Below is generated by plot.py at 2018-05-25 07:22:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 143.37 Mbit/s
95th percentile per-packet one-way delay: 136.710 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.22 Mbit/s
95th percentile per-packet one-way delay: 136.621 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.24 Mbit/s
95th percentile per-packet one-way delay: 136.658 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.76 Mbit/s
95th percentile per-packet one-way delay: 136.850 ms
Loss rate: 0.00%
```

Run 1: Report of TCP BBR — Data Link

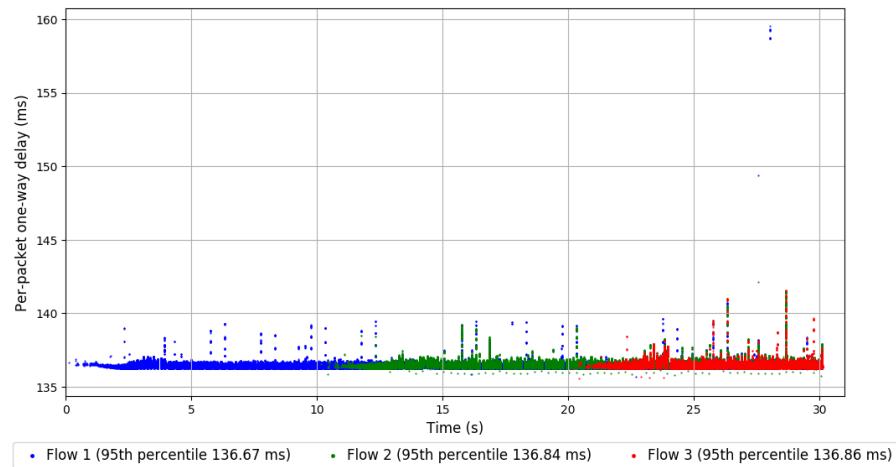
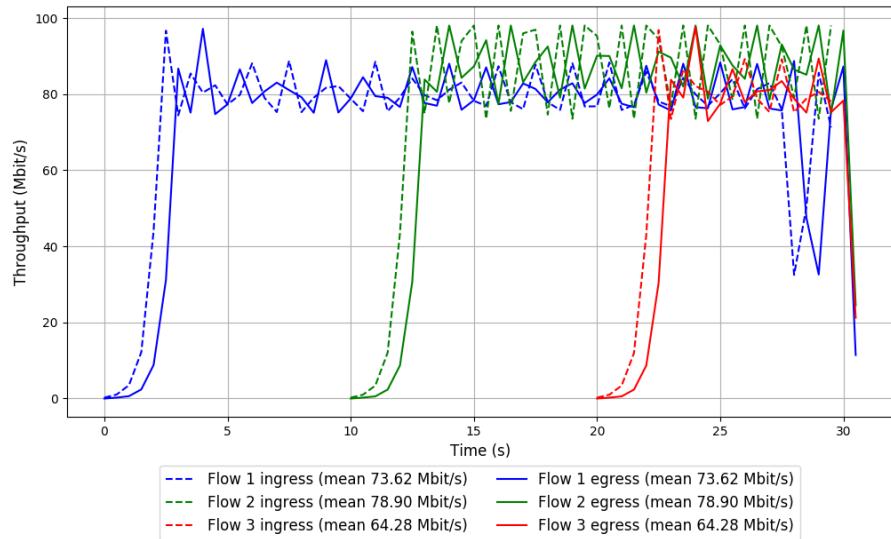


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-25 03:28:00
End at: 2018-05-25 03:28:30
Local clock offset: 0.094 ms
Remote clock offset: -0.186 ms

# Below is generated by plot.py at 2018-05-25 07:22:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 147.50 Mbit/s
95th percentile per-packet one-way delay: 136.764 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.62 Mbit/s
95th percentile per-packet one-way delay: 136.667 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 136.843 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.28 Mbit/s
95th percentile per-packet one-way delay: 136.858 ms
Loss rate: 0.00%
```

Run 2: Report of TCP BBR — Data Link

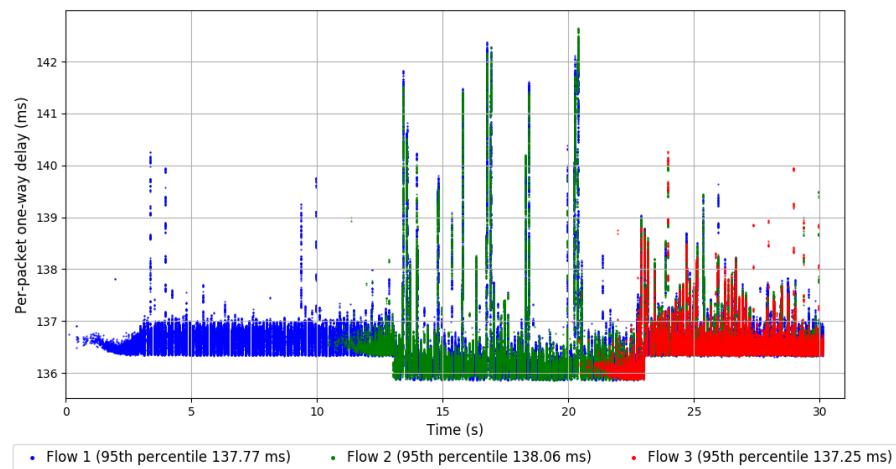
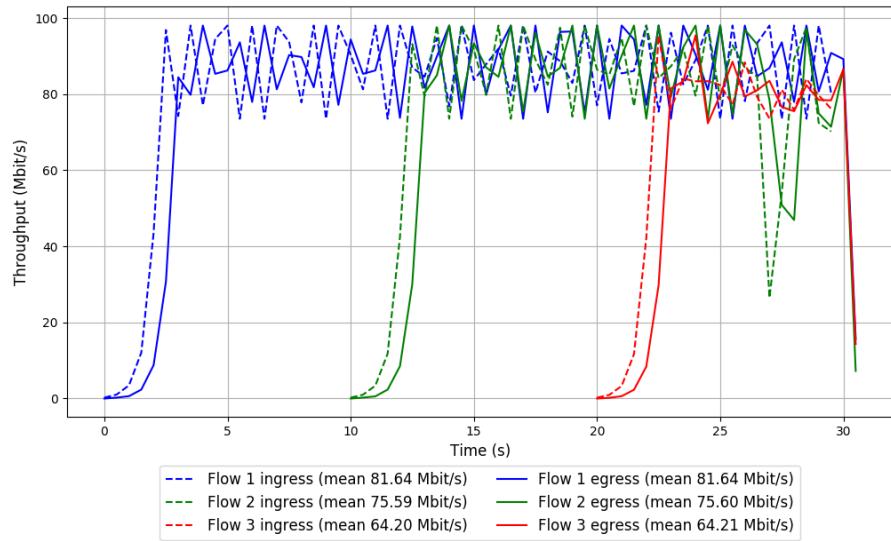


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-25 03:52:33
End at: 2018-05-25 03:53:03
Local clock offset: -0.065 ms
Remote clock offset: -0.175 ms

# Below is generated by plot.py at 2018-05-25 07:23:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 153.31 Mbit/s
95th percentile per-packet one-way delay: 137.754 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.64 Mbit/s
95th percentile per-packet one-way delay: 137.769 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 138.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.21 Mbit/s
95th percentile per-packet one-way delay: 137.246 ms
Loss rate: 0.00%
```

Run 3: Report of TCP BBR — Data Link

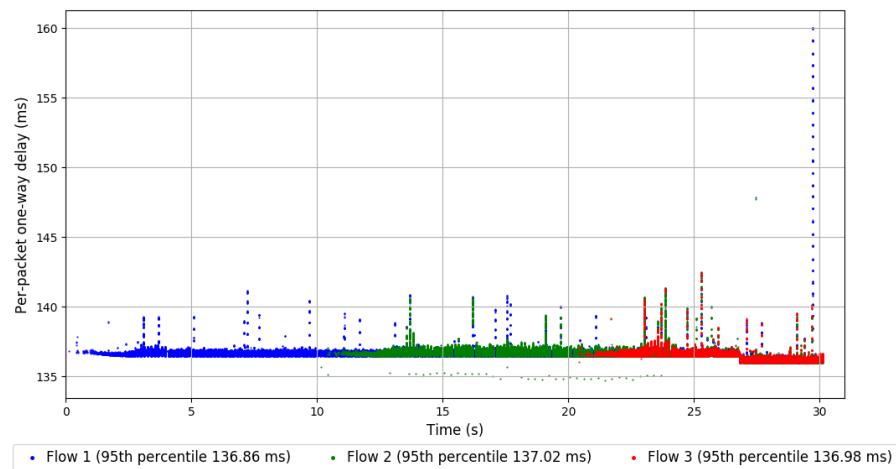
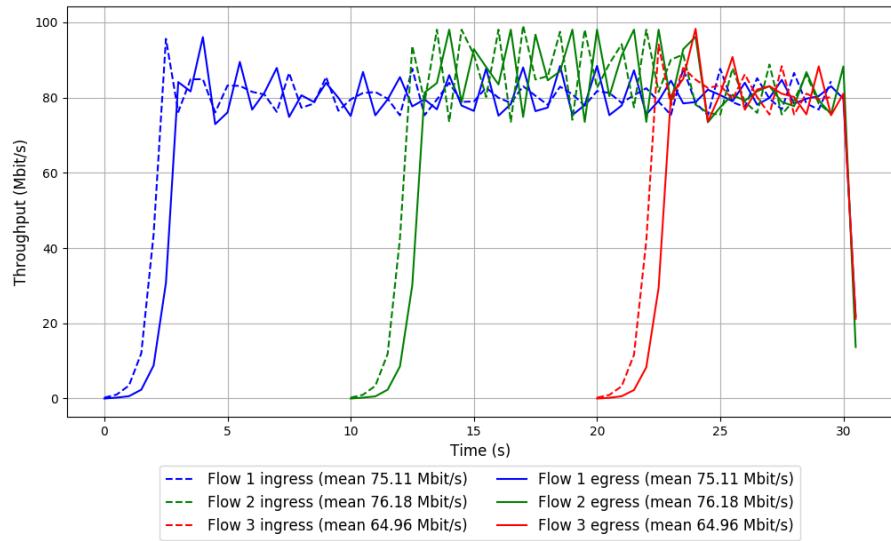


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-25 04:17:49
End at: 2018-05-25 04:18:19
Local clock offset: -0.123 ms
Remote clock offset: -0.11 ms

# Below is generated by plot.py at 2018-05-25 07:23:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 147.43 Mbit/s
95th percentile per-packet one-way delay: 136.943 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.11 Mbit/s
95th percentile per-packet one-way delay: 136.861 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 76.18 Mbit/s
95th percentile per-packet one-way delay: 137.018 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.96 Mbit/s
95th percentile per-packet one-way delay: 136.980 ms
Loss rate: 0.00%
```

Run 4: Report of TCP BBR — Data Link

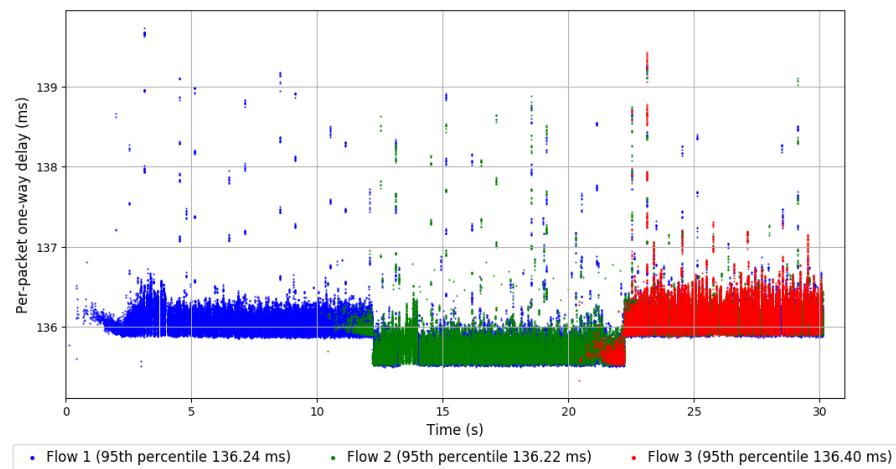
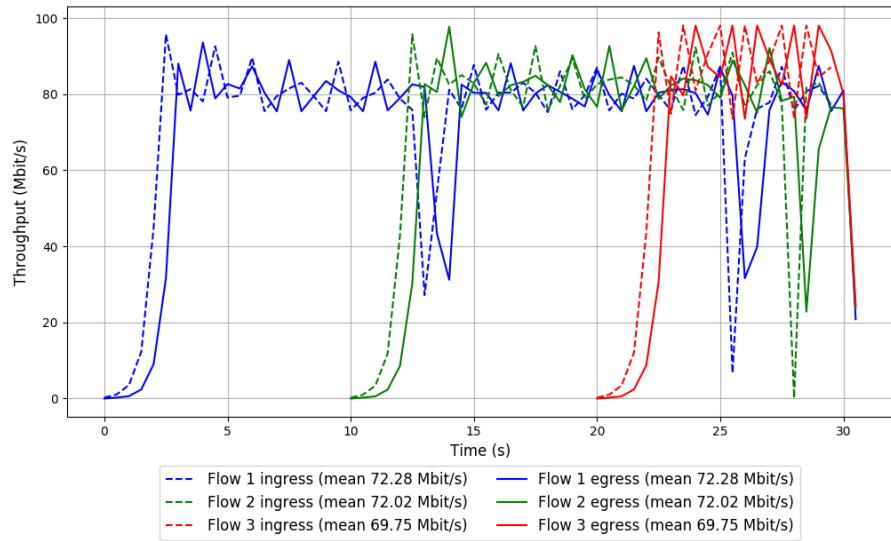


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-25 04:42:24
End at: 2018-05-25 04:42:54
Local clock offset: 0.351 ms
Remote clock offset: -0.146 ms

# Below is generated by plot.py at 2018-05-25 07:23:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 143.32 Mbit/s
95th percentile per-packet one-way delay: 136.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.28 Mbit/s
95th percentile per-packet one-way delay: 136.243 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.02 Mbit/s
95th percentile per-packet one-way delay: 136.222 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.75 Mbit/s
95th percentile per-packet one-way delay: 136.401 ms
Loss rate: 0.00%
```

Run 5: Report of TCP BBR — Data Link

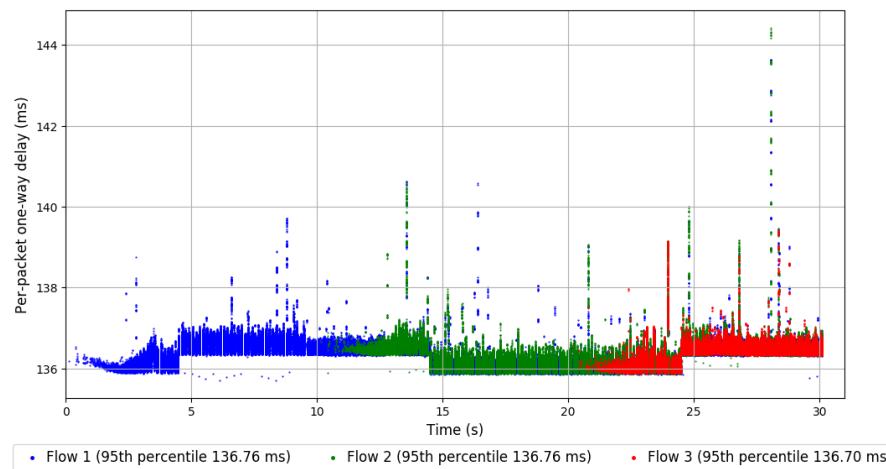
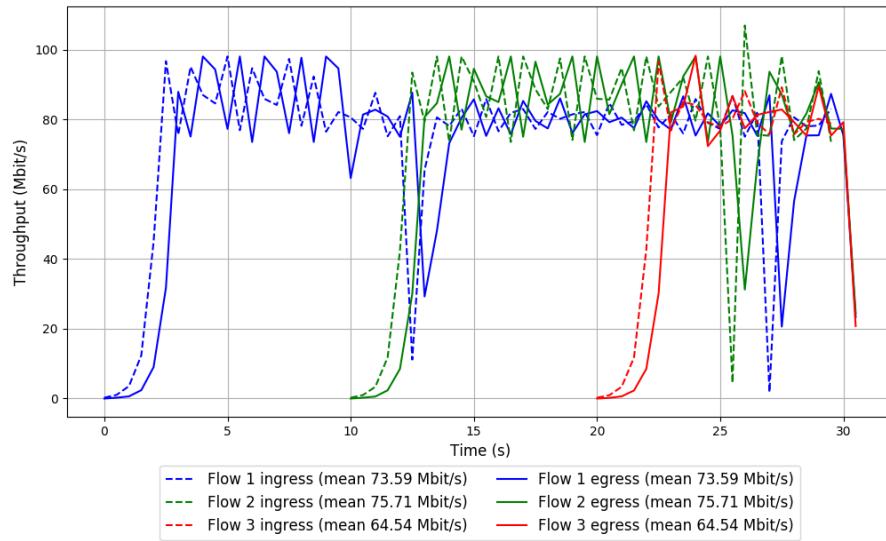


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-25 05:07:11
End at: 2018-05-25 05:07:41
Local clock offset: 0.007 ms
Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2018-05-25 07:23:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 145.43 Mbit/s
95th percentile per-packet one-way delay: 136.751 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 136.757 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.71 Mbit/s
95th percentile per-packet one-way delay: 136.756 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.54 Mbit/s
95th percentile per-packet one-way delay: 136.698 ms
Loss rate: 0.00%
```

Run 6: Report of TCP BBR — Data Link

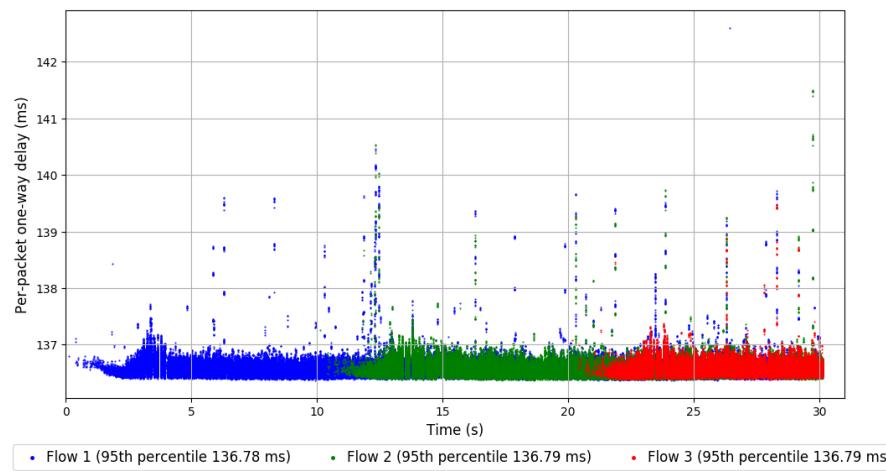
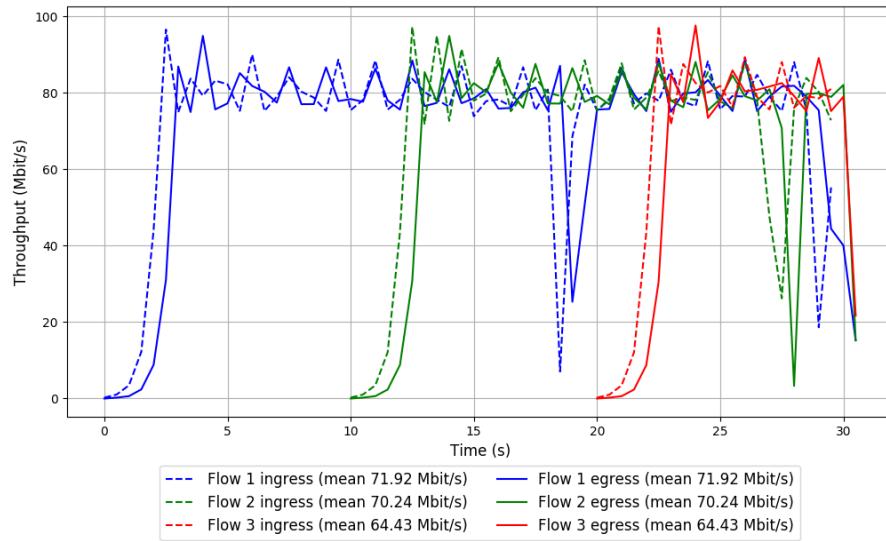


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-25 05:32:00
End at: 2018-05-25 05:32:30
Local clock offset: 0.021 ms
Remote clock offset: -0.2 ms

# Below is generated by plot.py at 2018-05-25 07:23:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 140.15 Mbit/s
95th percentile per-packet one-way delay: 136.785 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.92 Mbit/s
95th percentile per-packet one-way delay: 136.777 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.24 Mbit/s
95th percentile per-packet one-way delay: 136.792 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.43 Mbit/s
95th percentile per-packet one-way delay: 136.793 ms
Loss rate: 0.00%
```

Run 7: Report of TCP BBR — Data Link

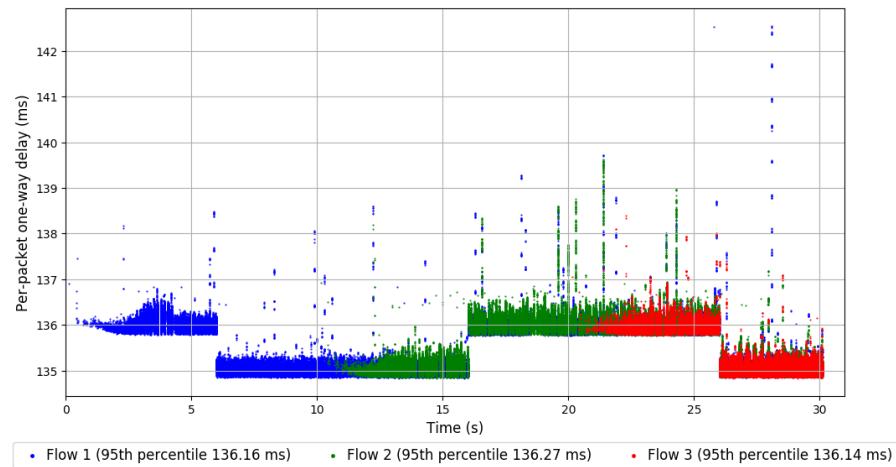
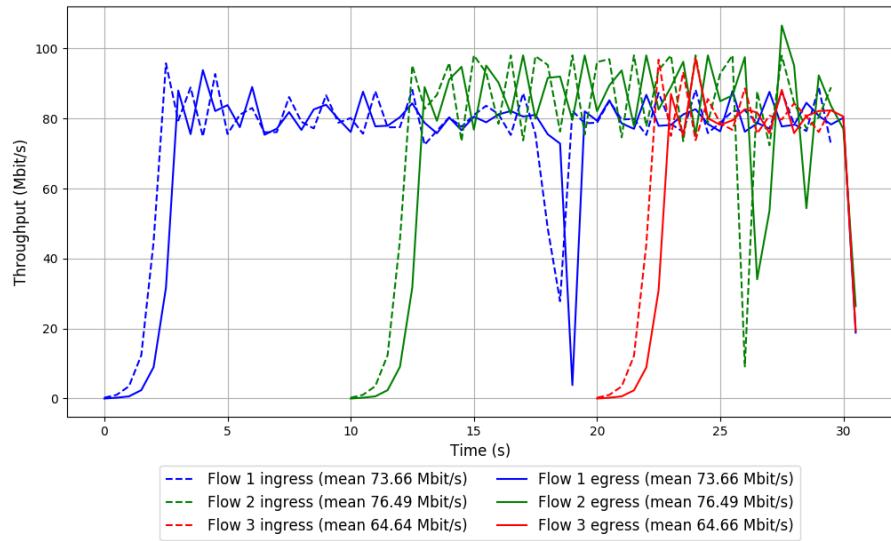


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-25 05:57:10
End at: 2018-05-25 05:57:40
Local clock offset: 0.054 ms
Remote clock offset: -0.223 ms

# Below is generated by plot.py at 2018-05-25 07:23:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 146.13 Mbit/s
95th percentile per-packet one-way delay: 136.211 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.66 Mbit/s
95th percentile per-packet one-way delay: 136.159 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 76.49 Mbit/s
95th percentile per-packet one-way delay: 136.274 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.66 Mbit/s
95th percentile per-packet one-way delay: 136.136 ms
Loss rate: 0.00%
```

Run 8: Report of TCP BBR — Data Link

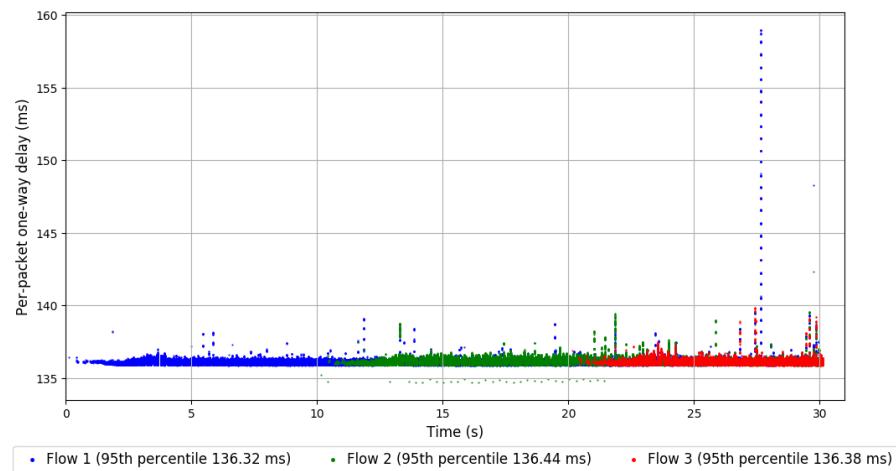
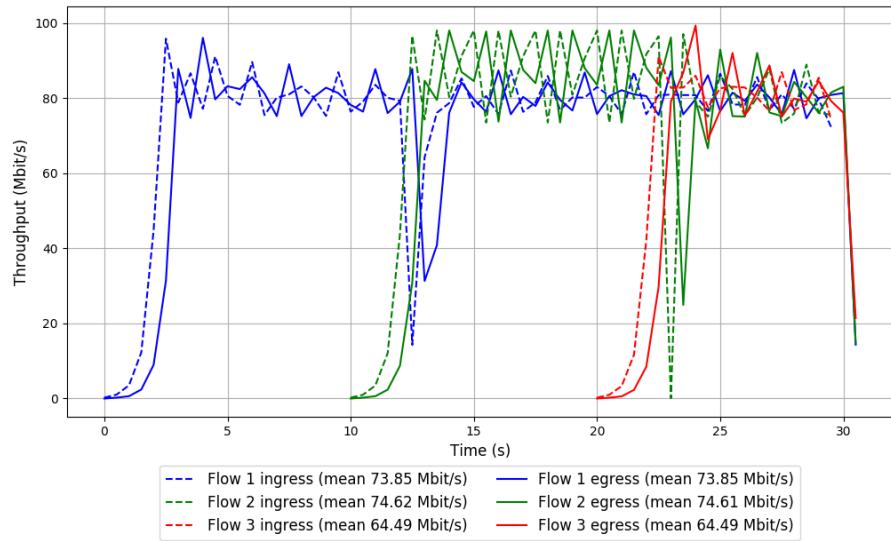


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-25 06:21:54
End at: 2018-05-25 06:22:24
Local clock offset: -0.054 ms
Remote clock offset: -0.586 ms

# Below is generated by plot.py at 2018-05-25 07:24:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 144.75 Mbit/s
95th percentile per-packet one-way delay: 136.378 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.85 Mbit/s
95th percentile per-packet one-way delay: 136.318 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 74.61 Mbit/s
95th percentile per-packet one-way delay: 136.435 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.49 Mbit/s
95th percentile per-packet one-way delay: 136.382 ms
Loss rate: 0.01%
```

Run 9: Report of TCP BBR — Data Link

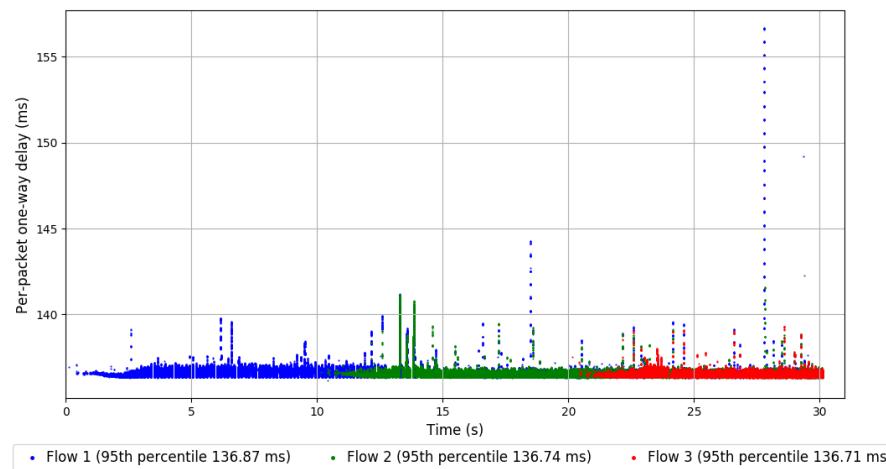
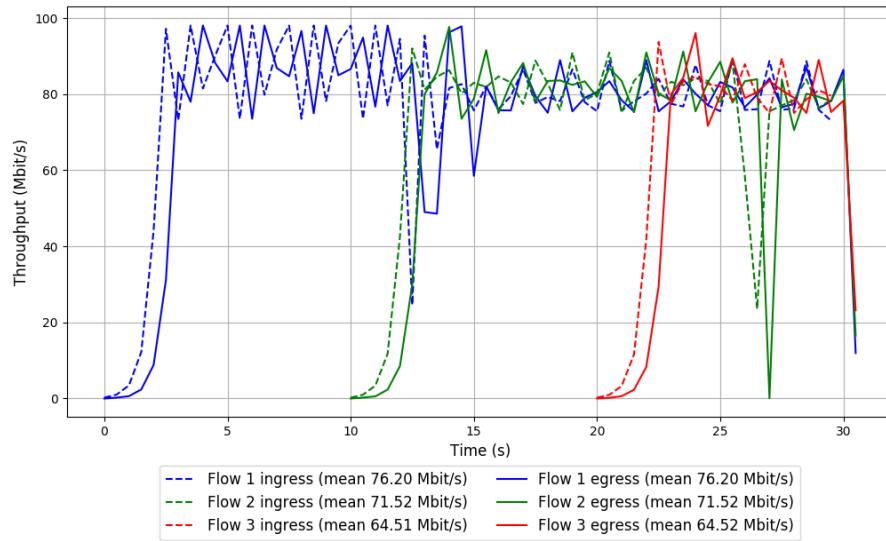


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-25 06:46:44
End at: 2018-05-25 06:47:14
Local clock offset: -0.06 ms
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-05-25 07:24:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 145.28 Mbit/s
95th percentile per-packet one-way delay: 136.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.20 Mbit/s
95th percentile per-packet one-way delay: 136.873 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.52 Mbit/s
95th percentile per-packet one-way delay: 136.743 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.52 Mbit/s
95th percentile per-packet one-way delay: 136.712 ms
Loss rate: 0.00%
```

Run 10: Report of TCP BBR — Data Link

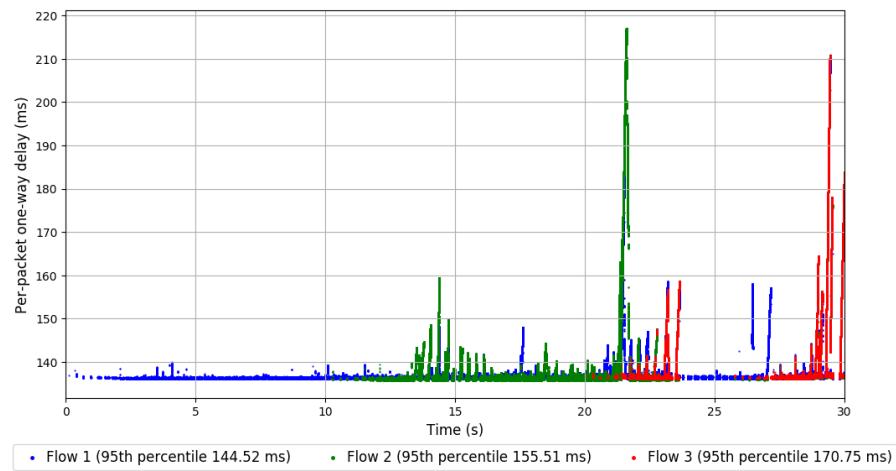
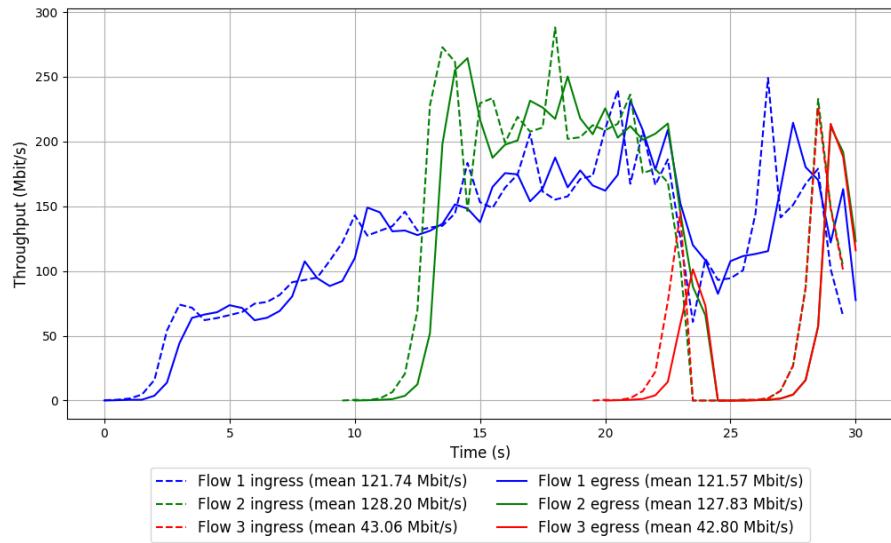


Run 1: Statistics of Copa

```
Start at: 2018-05-25 03:04:29
End at: 2018-05-25 03:04:59
Local clock offset: 0.197 ms
Remote clock offset: -0.186 ms

# Below is generated by plot.py at 2018-05-25 07:29:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 221.31 Mbit/s
95th percentile per-packet one-way delay: 150.433 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 121.57 Mbit/s
95th percentile per-packet one-way delay: 144.522 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 127.83 Mbit/s
95th percentile per-packet one-way delay: 155.506 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 42.80 Mbit/s
95th percentile per-packet one-way delay: 170.751 ms
Loss rate: 0.16%
```

Run 1: Report of Copa — Data Link

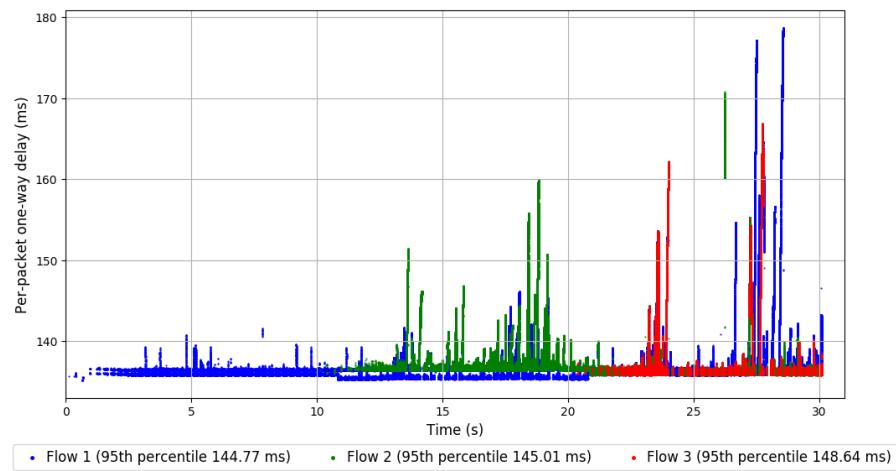
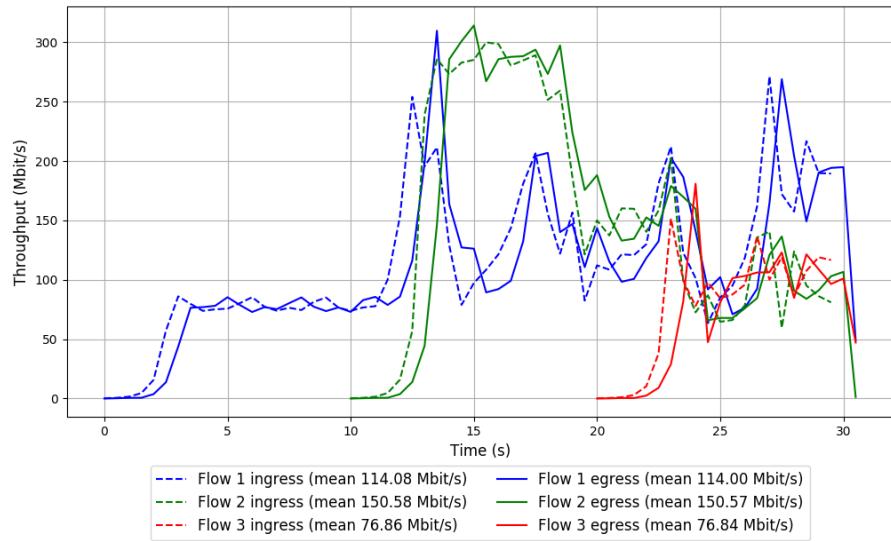


Run 2: Statistics of Copa

```
Start at: 2018-05-25 03:29:25
End at: 2018-05-25 03:29:55
Local clock offset: -0.027 ms
Remote clock offset: -0.193 ms

# Below is generated by plot.py at 2018-05-25 07:29:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 239.89 Mbit/s
95th percentile per-packet one-way delay: 145.119 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 114.00 Mbit/s
95th percentile per-packet one-way delay: 144.774 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 150.57 Mbit/s
95th percentile per-packet one-way delay: 145.011 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 76.84 Mbit/s
95th percentile per-packet one-way delay: 148.642 ms
Loss rate: 0.03%
```

Run 2: Report of Copa — Data Link

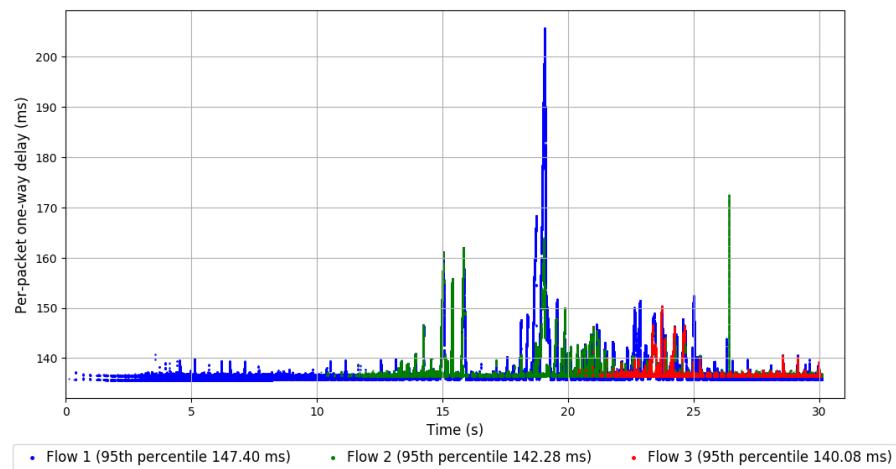
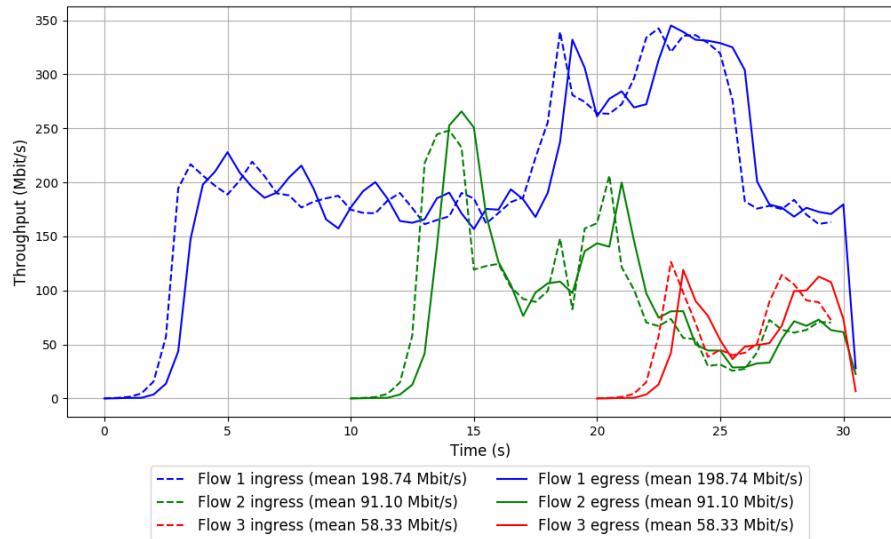


Run 3: Statistics of Copa

```
Start at: 2018-05-25 03:53:58
End at: 2018-05-25 03:54:28
Local clock offset: -0.077 ms
Remote clock offset: -0.138 ms

# Below is generated by plot.py at 2018-05-25 07:31:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 278.60 Mbit/s
95th percentile per-packet one-way delay: 146.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.74 Mbit/s
95th percentile per-packet one-way delay: 147.404 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 142.279 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.33 Mbit/s
95th percentile per-packet one-way delay: 140.082 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

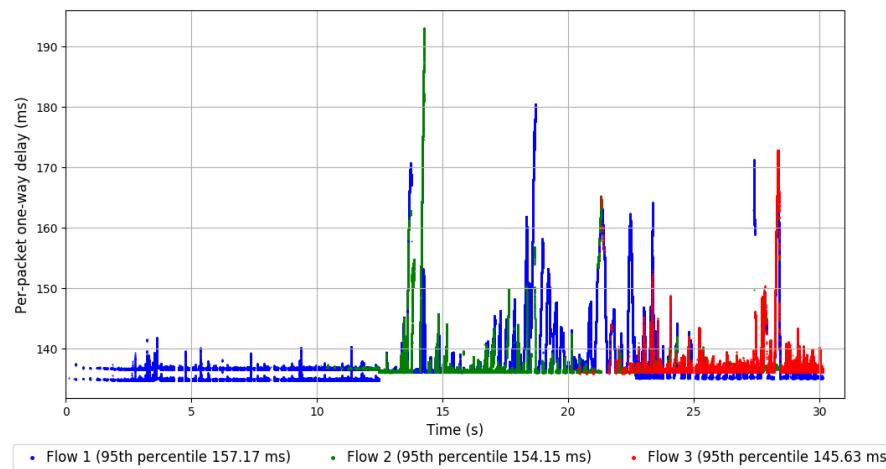
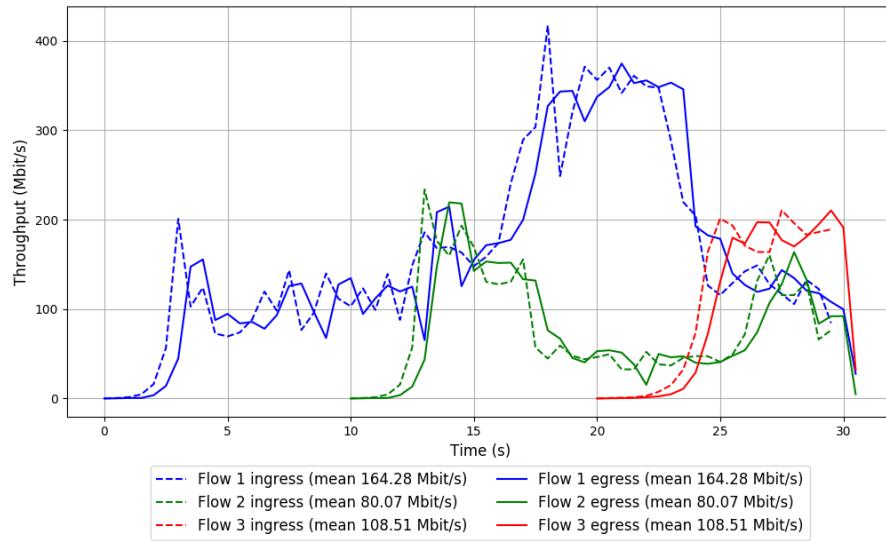


Run 4: Statistics of Copa

```
Start at: 2018-05-25 04:19:13
End at: 2018-05-25 04:19:43
Local clock offset: -0.258 ms
Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2018-05-25 07:31:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 253.58 Mbit/s
95th percentile per-packet one-way delay: 155.848 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.28 Mbit/s
95th percentile per-packet one-way delay: 157.172 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 80.07 Mbit/s
95th percentile per-packet one-way delay: 154.152 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 108.51 Mbit/s
95th percentile per-packet one-way delay: 145.626 ms
Loss rate: 0.01%
```

Run 4: Report of Copa — Data Link

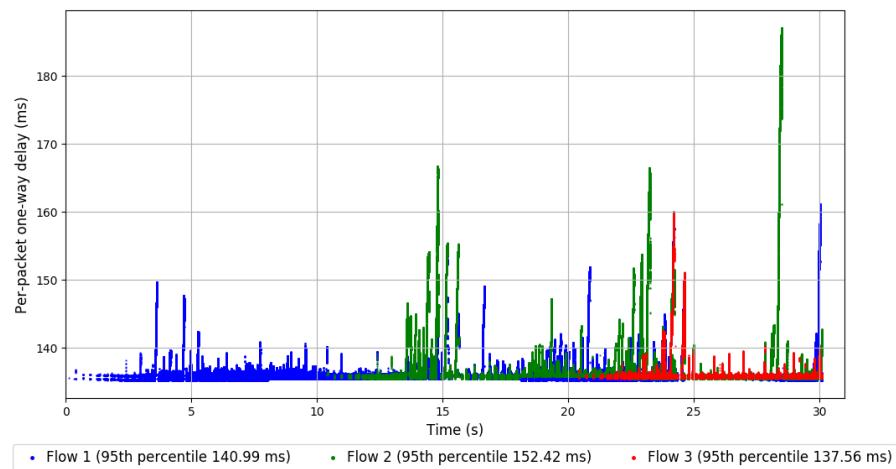
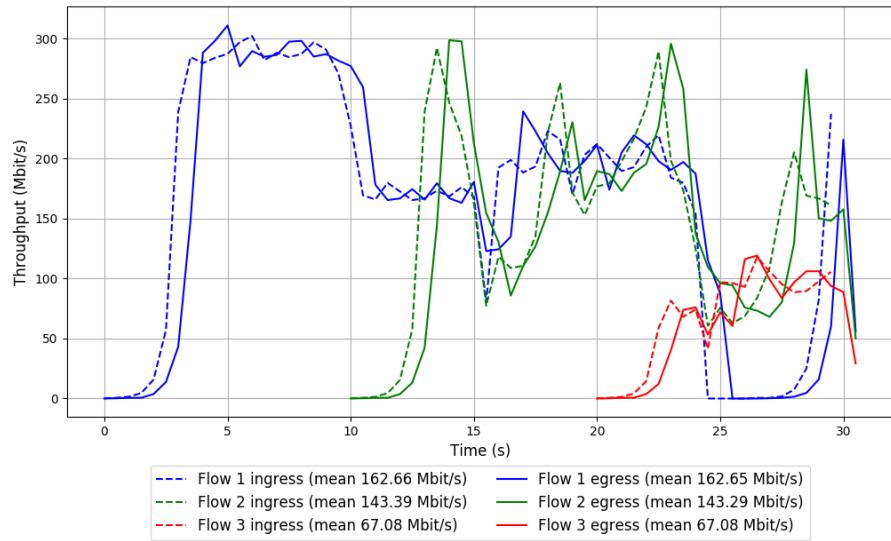


Run 5: Statistics of Copa

```
Start at: 2018-05-25 04:43:48
End at: 2018-05-25 04:44:18
Local clock offset: 0.024 ms
Remote clock offset: -0.518 ms

# Below is generated by plot.py at 2018-05-25 07:31:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 280.31 Mbit/s
95th percentile per-packet one-way delay: 145.818 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 162.65 Mbit/s
95th percentile per-packet one-way delay: 140.990 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 143.29 Mbit/s
95th percentile per-packet one-way delay: 152.420 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 67.08 Mbit/s
95th percentile per-packet one-way delay: 137.561 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

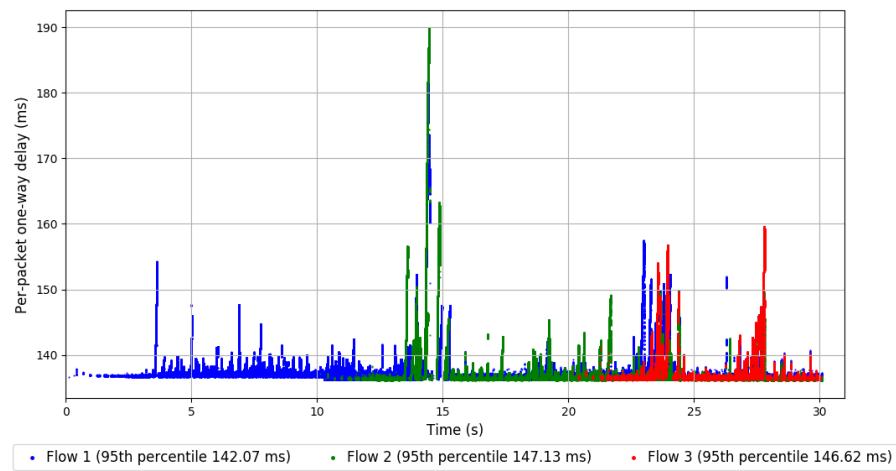
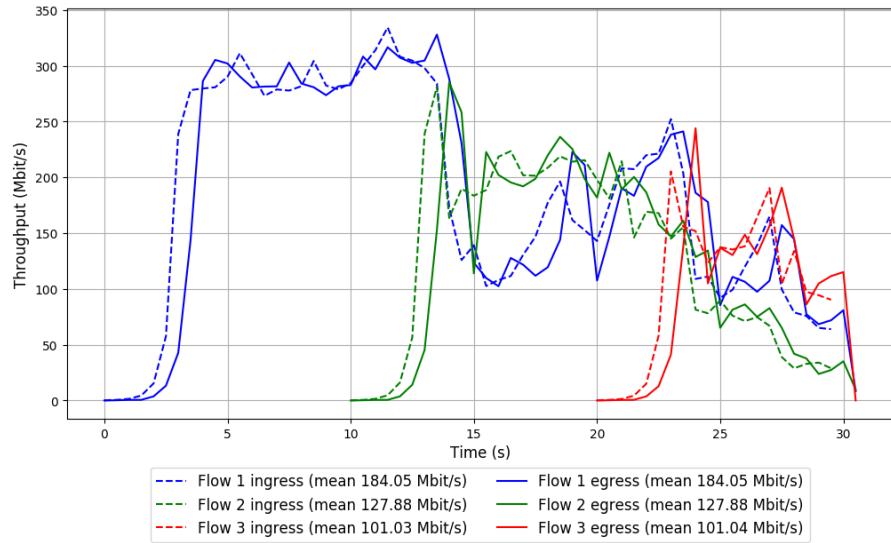


Run 6: Statistics of Copa

```
Start at: 2018-05-25 05:08:36
End at: 2018-05-25 05:09:06
Local clock offset: 0.014 ms
Remote clock offset: 0.141 ms

# Below is generated by plot.py at 2018-05-25 07:32:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 302.67 Mbit/s
95th percentile per-packet one-way delay: 144.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.05 Mbit/s
95th percentile per-packet one-way delay: 142.075 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 127.88 Mbit/s
95th percentile per-packet one-way delay: 147.127 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 101.04 Mbit/s
95th percentile per-packet one-way delay: 146.623 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

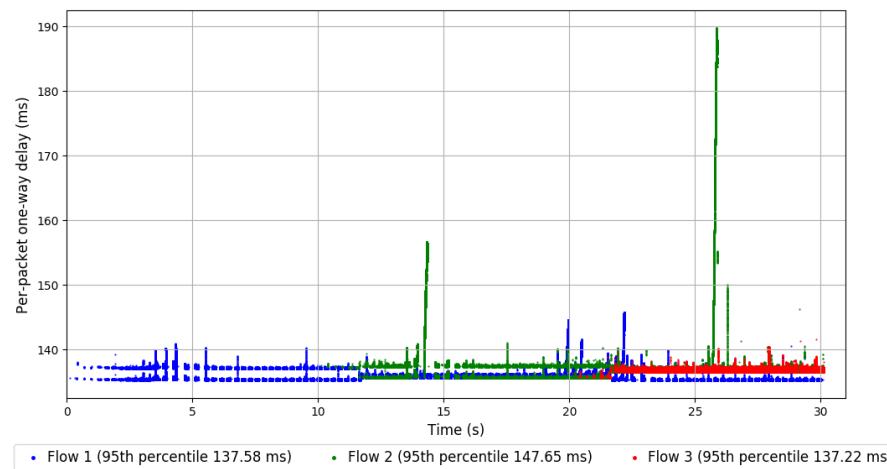
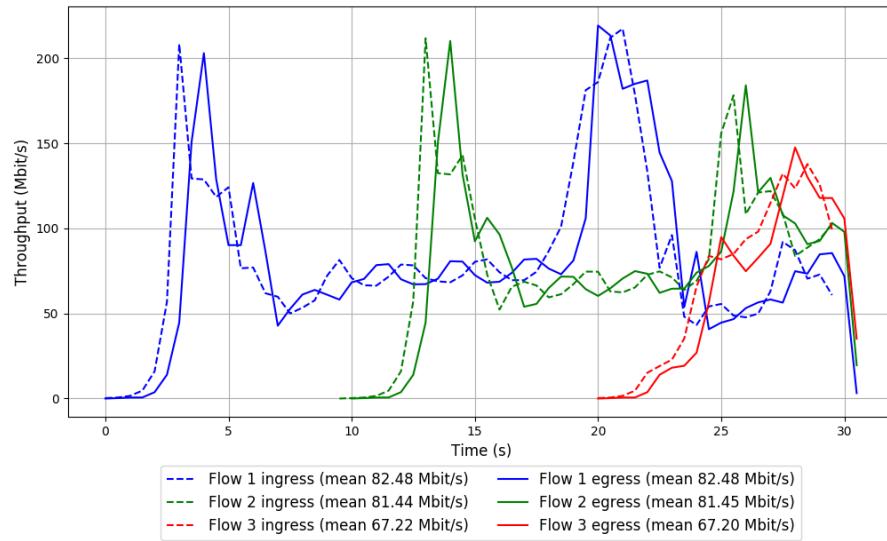


Run 7: Statistics of Copa

```
Start at: 2018-05-25 05:33:24
End at: 2018-05-25 05:33:54
Local clock offset: -0.173 ms
Remote clock offset: 0.23 ms

# Below is generated by plot.py at 2018-05-25 07:32:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 159.07 Mbit/s
95th percentile per-packet one-way delay: 138.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.48 Mbit/s
95th percentile per-packet one-way delay: 137.578 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 81.45 Mbit/s
95th percentile per-packet one-way delay: 147.653 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.20 Mbit/s
95th percentile per-packet one-way delay: 137.223 ms
Loss rate: 0.02%
```

Run 7: Report of Copa — Data Link

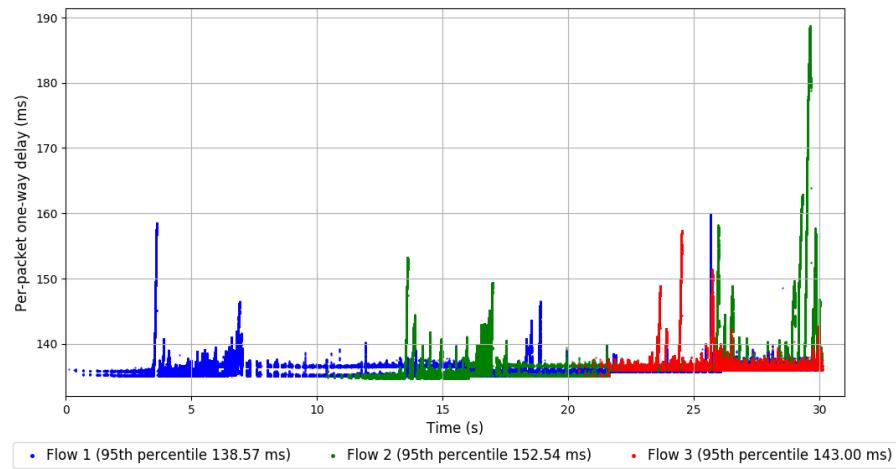
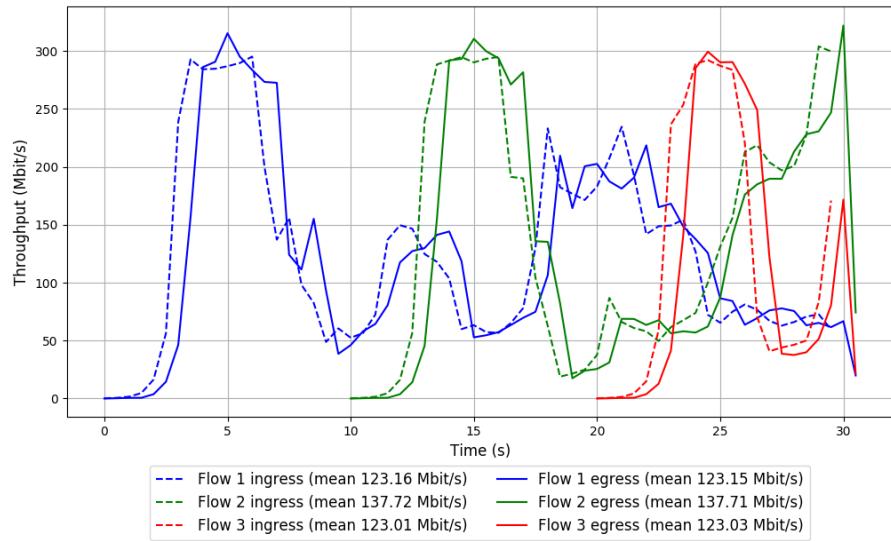


Run 8: Statistics of Copa

```
Start at: 2018-05-25 05:58:34
End at: 2018-05-25 05:59:04
Local clock offset: -0.049 ms
Remote clock offset: -0.136 ms

# Below is generated by plot.py at 2018-05-25 07:33:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 255.72 Mbit/s
95th percentile per-packet one-way delay: 144.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.15 Mbit/s
95th percentile per-packet one-way delay: 138.566 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 137.71 Mbit/s
95th percentile per-packet one-way delay: 152.542 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 123.03 Mbit/s
95th percentile per-packet one-way delay: 142.998 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

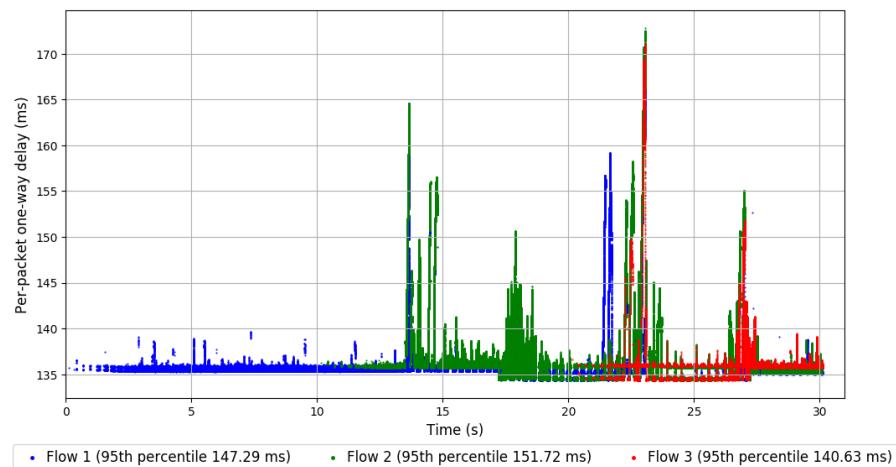
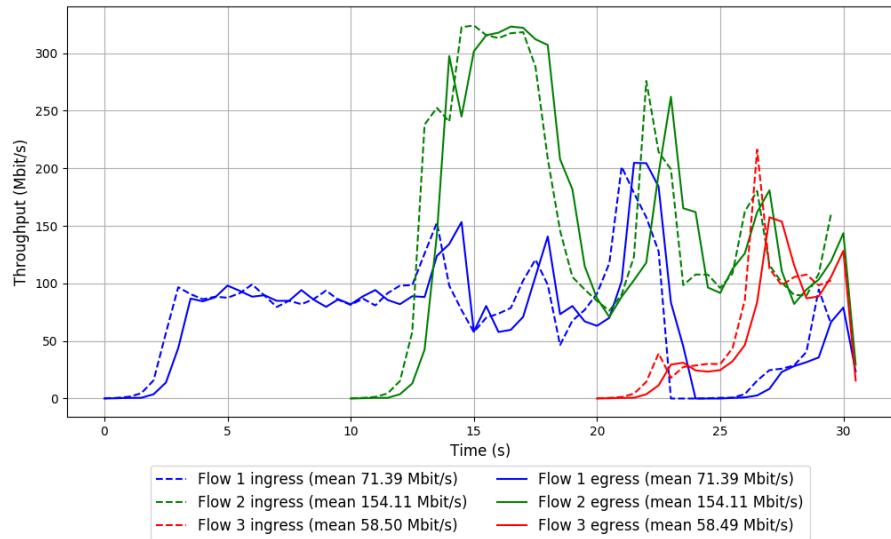


Run 9: Statistics of Copa

```
Start at: 2018-05-25 06:23:19
End at: 2018-05-25 06:23:49
Local clock offset: 0.186 ms
Remote clock offset: -0.531 ms

# Below is generated by plot.py at 2018-05-25 07:35:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 193.45 Mbit/s
95th percentile per-packet one-way delay: 149.226 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 71.39 Mbit/s
95th percentile per-packet one-way delay: 147.291 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 154.11 Mbit/s
95th percentile per-packet one-way delay: 151.723 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 140.630 ms
Loss rate: 0.04%
```

Run 9: Report of Copa — Data Link

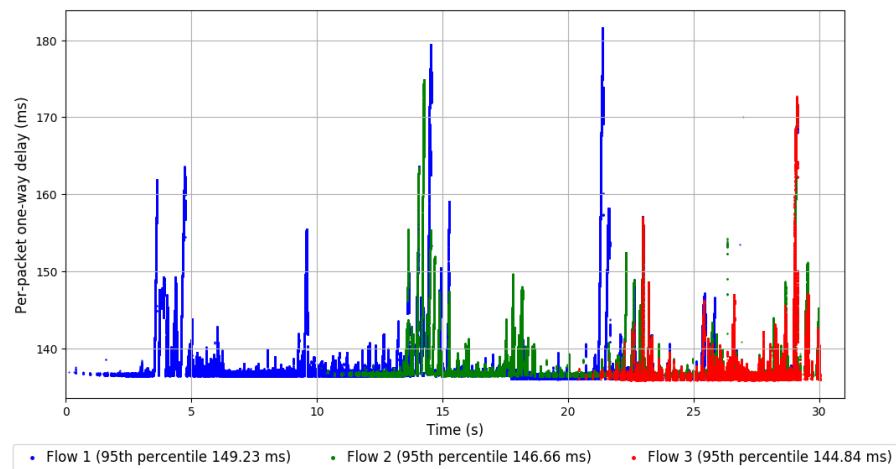
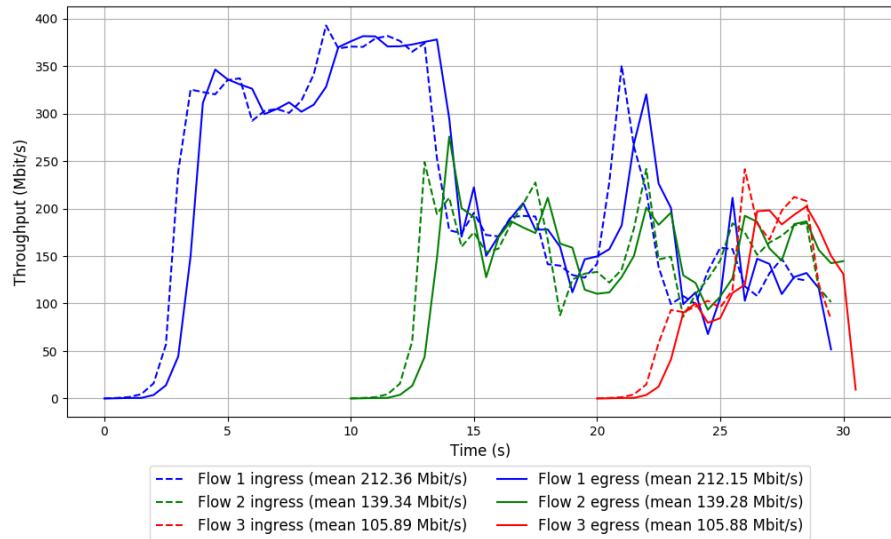


Run 10: Statistics of Copa

```
Start at: 2018-05-25 06:48:08
End at: 2018-05-25 06:48:38
Local clock offset: -0.151 ms
Remote clock offset: -0.12 ms

# Below is generated by plot.py at 2018-05-25 07:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 333.08 Mbit/s
95th percentile per-packet one-way delay: 147.771 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 212.15 Mbit/s
95th percentile per-packet one-way delay: 149.231 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 139.28 Mbit/s
95th percentile per-packet one-way delay: 146.663 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 105.88 Mbit/s
95th percentile per-packet one-way delay: 144.835 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

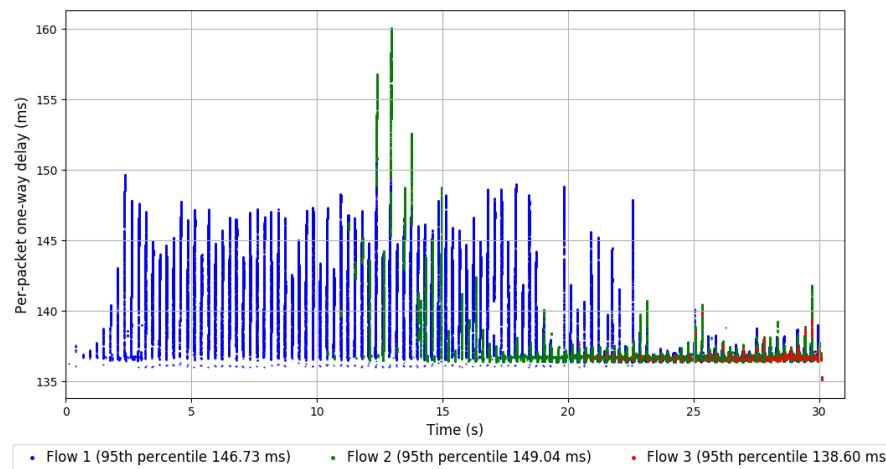
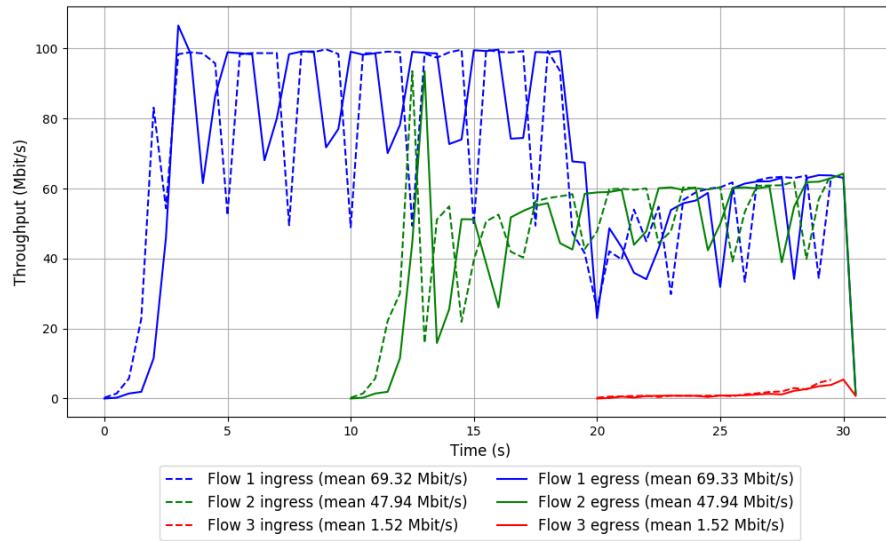


```
Run 1: Statistics of TCP Cubic

Start at: 2018-05-25 03:12:46
End at: 2018-05-25 03:13:16
Local clock offset: -0.052 ms
Remote clock offset: -0.193 ms

# Below is generated by plot.py at 2018-05-25 07:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 101.75 Mbit/s
95th percentile per-packet one-way delay: 146.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.33 Mbit/s
95th percentile per-packet one-way delay: 146.726 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.94 Mbit/s
95th percentile per-packet one-way delay: 149.042 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 138.601 ms
Loss rate: 0.24%
```

Run 1: Report of TCP Cubic — Data Link

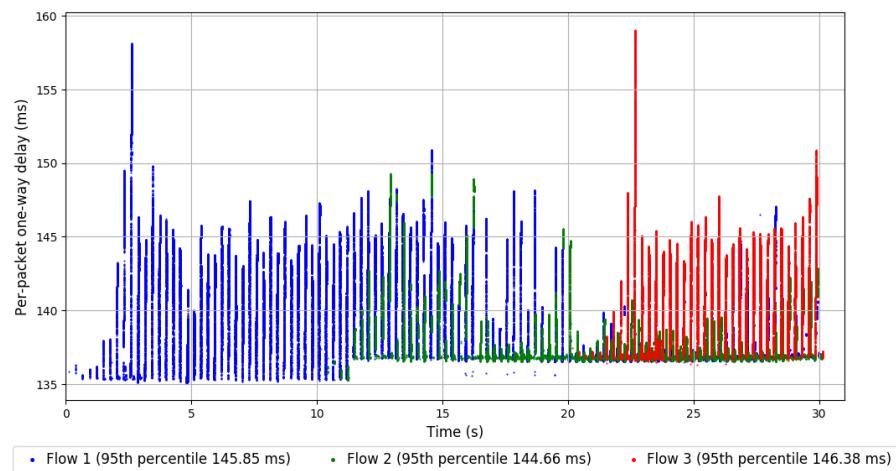
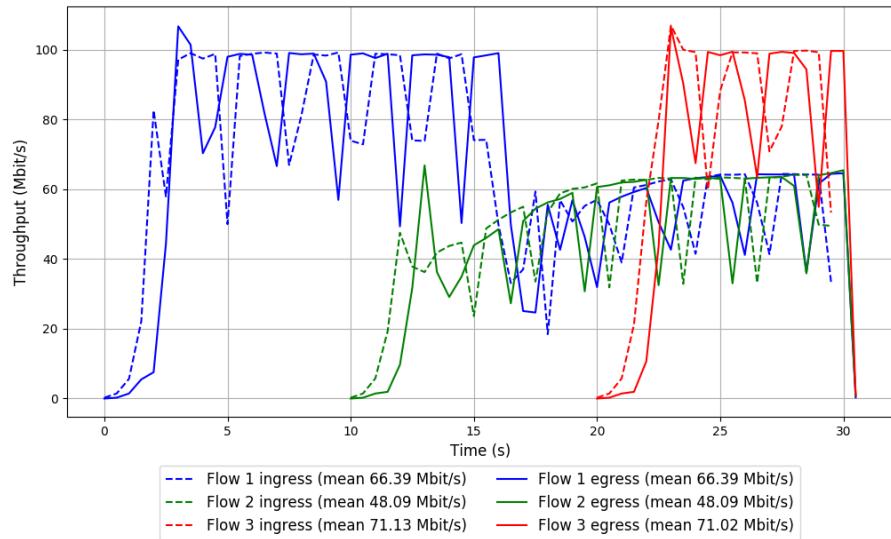


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-25 03:37:35
End at: 2018-05-25 03:38:05
Local clock offset: -0.252 ms
Remote clock offset: -0.166 ms

# Below is generated by plot.py at 2018-05-25 07:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.95 Mbit/s
95th percentile per-packet one-way delay: 145.696 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 66.39 Mbit/s
95th percentile per-packet one-way delay: 145.855 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.09 Mbit/s
95th percentile per-packet one-way delay: 144.664 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.02 Mbit/s
95th percentile per-packet one-way delay: 146.385 ms
Loss rate: 0.17%
```

Run 2: Report of TCP Cubic — Data Link

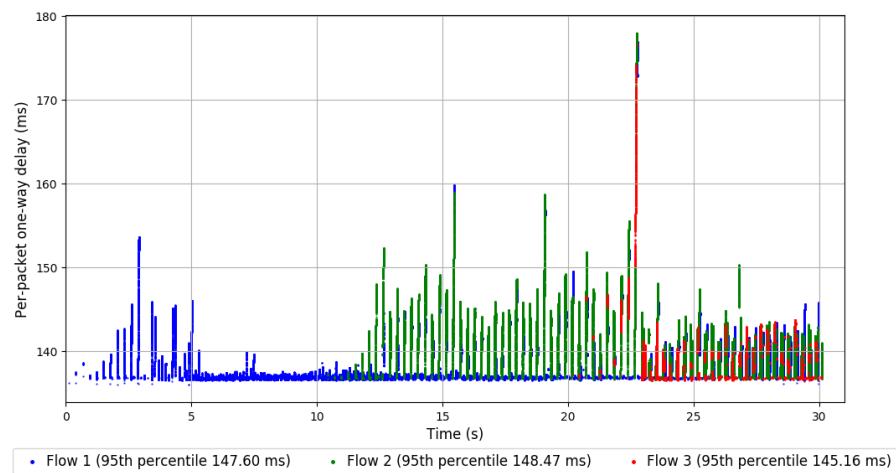
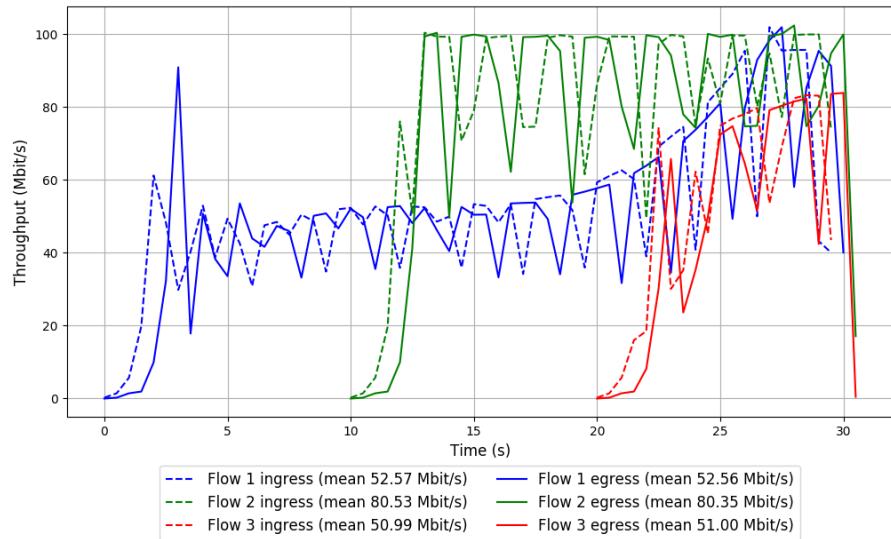


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-25 04:02:38
End at: 2018-05-25 04:03:08
Local clock offset: -0.283 ms
Remote clock offset: -0.17 ms

# Below is generated by plot.py at 2018-05-25 07:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.73 Mbit/s
95th percentile per-packet one-way delay: 148.097 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 52.56 Mbit/s
95th percentile per-packet one-way delay: 147.596 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 80.35 Mbit/s
95th percentile per-packet one-way delay: 148.466 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 51.00 Mbit/s
95th percentile per-packet one-way delay: 145.158 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Cubic — Data Link

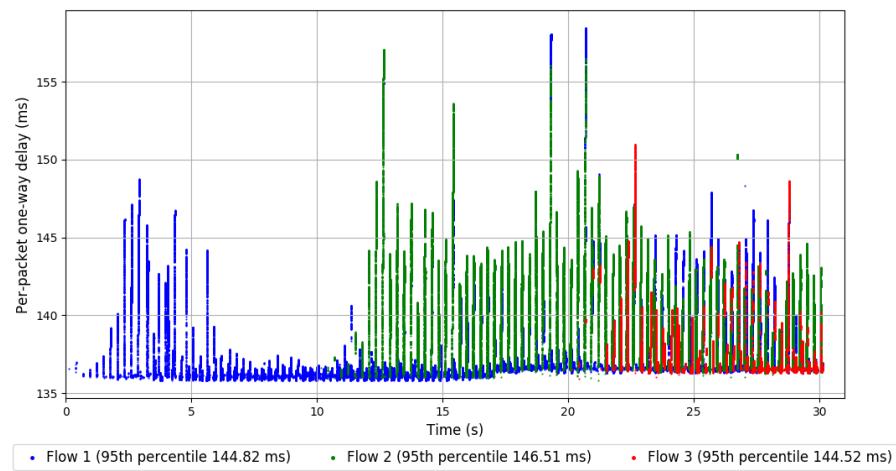
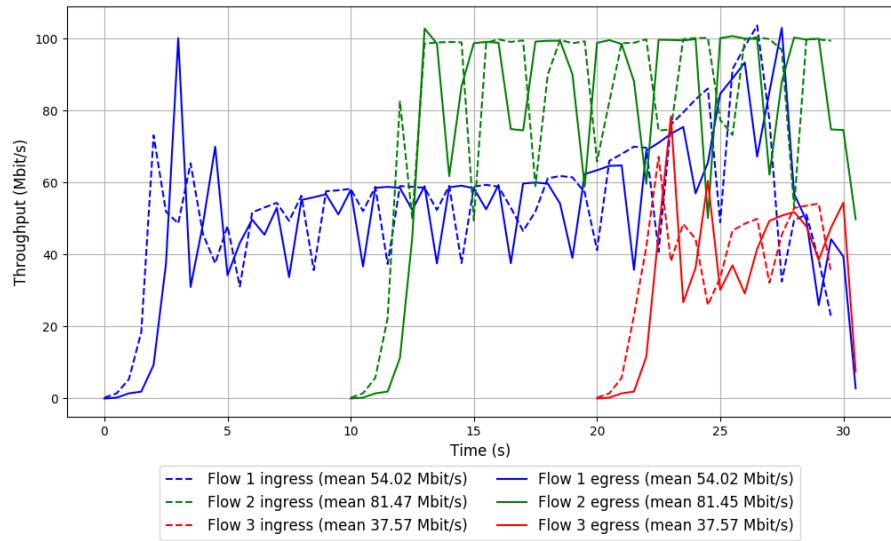


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-25 04:27:29
End at: 2018-05-25 04:27:59
Local clock offset: 0.035 ms
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2018-05-25 07:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 120.64 Mbit/s
95th percentile per-packet one-way delay: 145.774 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: 144.818 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 81.45 Mbit/s
95th percentile per-packet one-way delay: 146.511 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 144.519 ms
Loss rate: 0.01%
```

Run 4: Report of TCP Cubic — Data Link

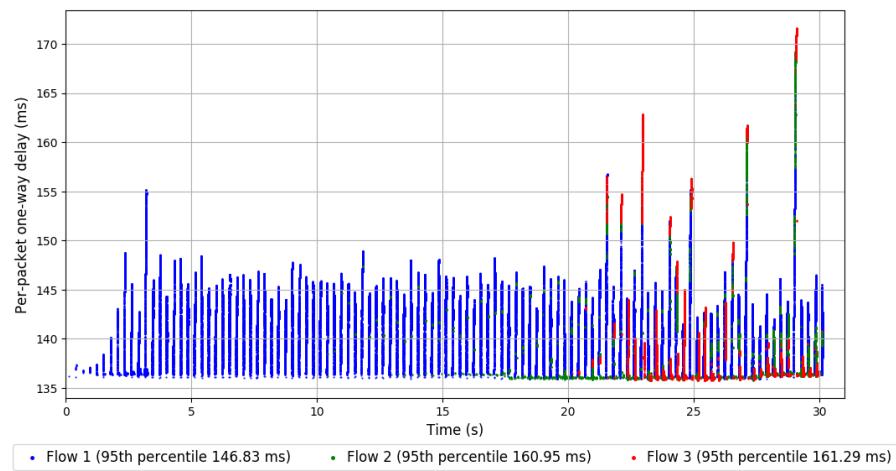
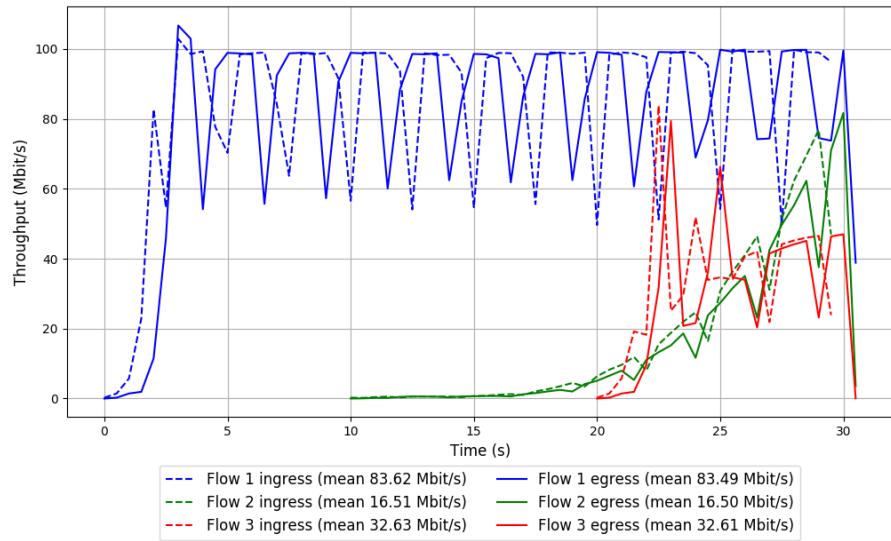


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-25 04:52:08
End at: 2018-05-25 04:52:38
Local clock offset: 0.113 ms
Remote clock offset: -0.14 ms

# Below is generated by plot.py at 2018-05-25 07:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 105.28 Mbit/s
95th percentile per-packet one-way delay: 150.479 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 83.49 Mbit/s
95th percentile per-packet one-way delay: 146.833 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 16.50 Mbit/s
95th percentile per-packet one-way delay: 160.950 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 161.290 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Cubic — Data Link

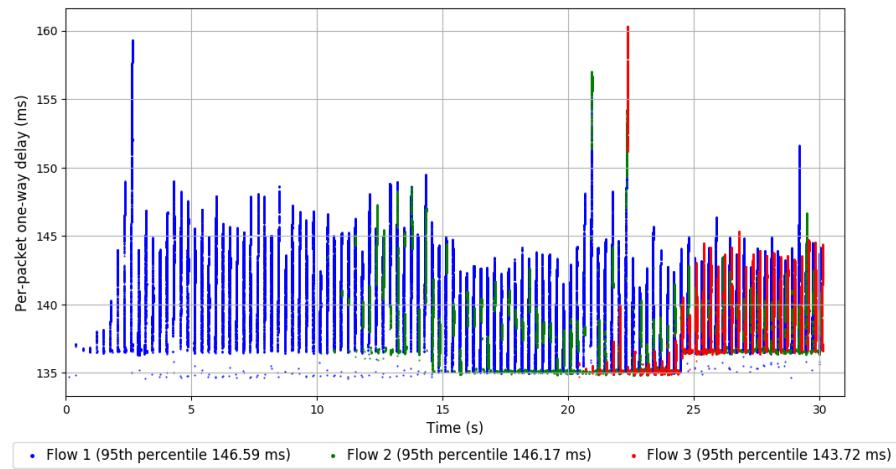
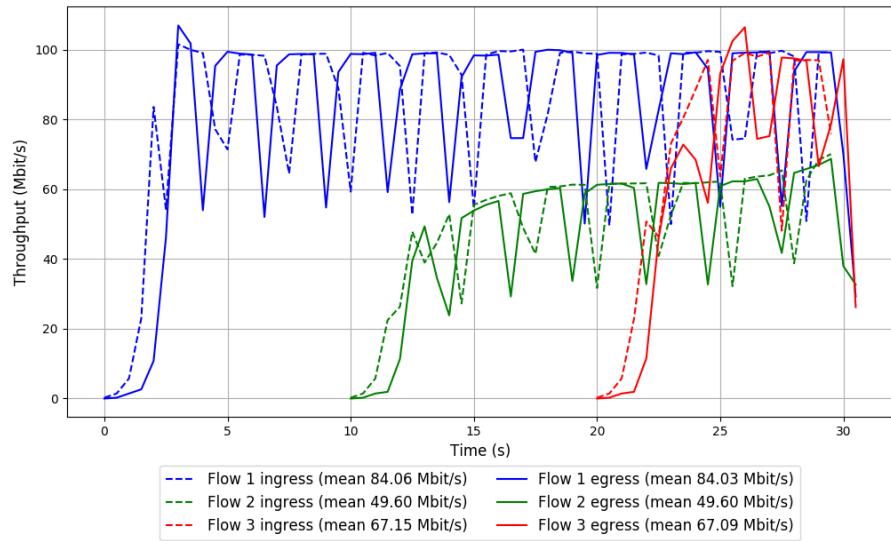


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-25 05:17:01
End at: 2018-05-25 05:17:31
Local clock offset: 0.085 ms
Remote clock offset: -0.193 ms

# Below is generated by plot.py at 2018-05-25 07:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 139.07 Mbit/s
95th percentile per-packet one-way delay: 146.314 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.03 Mbit/s
95th percentile per-packet one-way delay: 146.586 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.60 Mbit/s
95th percentile per-packet one-way delay: 146.169 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.09 Mbit/s
95th percentile per-packet one-way delay: 143.722 ms
Loss rate: 0.08%
```

Run 6: Report of TCP Cubic — Data Link

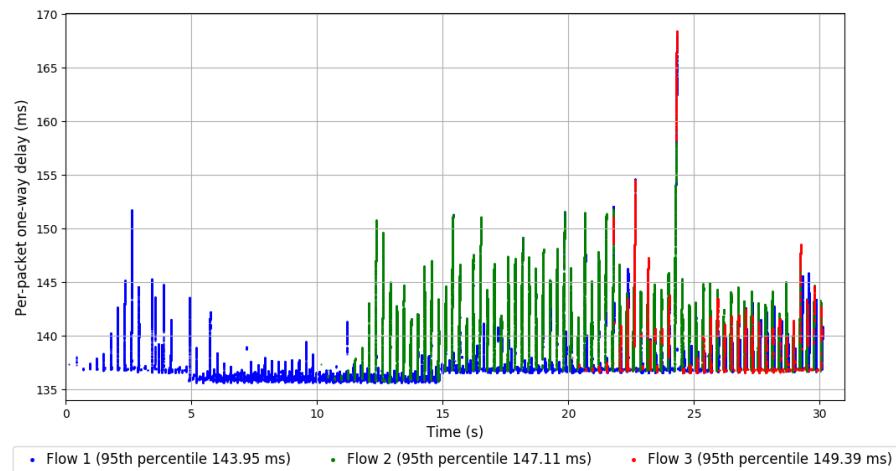
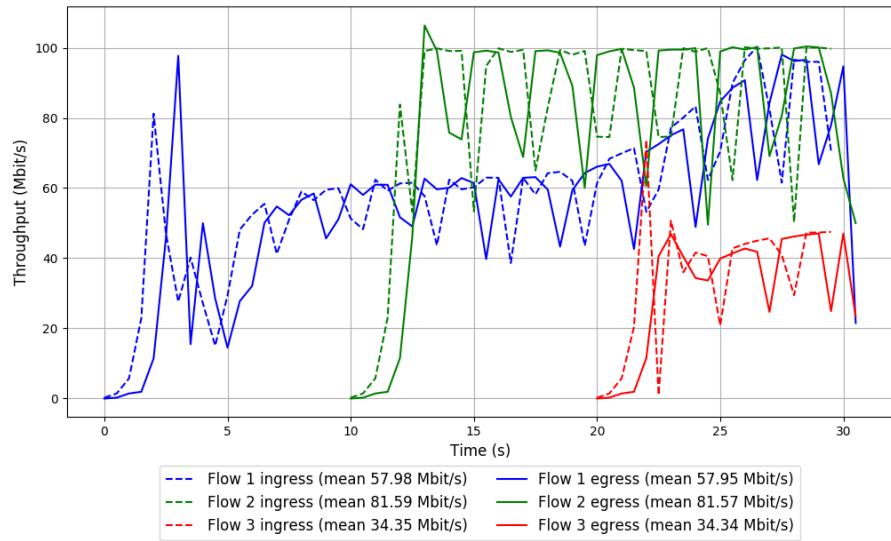


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-25 05:42:01
End at: 2018-05-25 05:42:31
Local clock offset: -0.293 ms
Remote clock offset: 0.19 ms

# Below is generated by plot.py at 2018-05-25 07:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.54 Mbit/s
95th percentile per-packet one-way delay: 146.899 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 57.95 Mbit/s
95th percentile per-packet one-way delay: 143.954 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 81.57 Mbit/s
95th percentile per-packet one-way delay: 147.106 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 149.389 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Cubic — Data Link

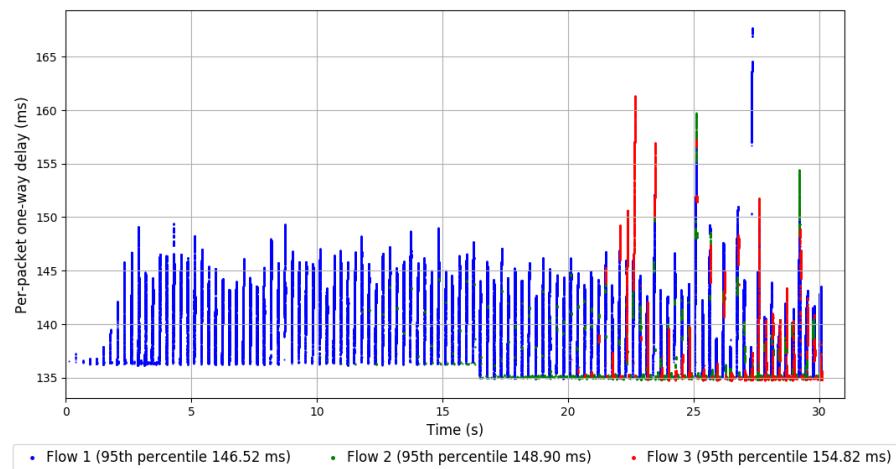
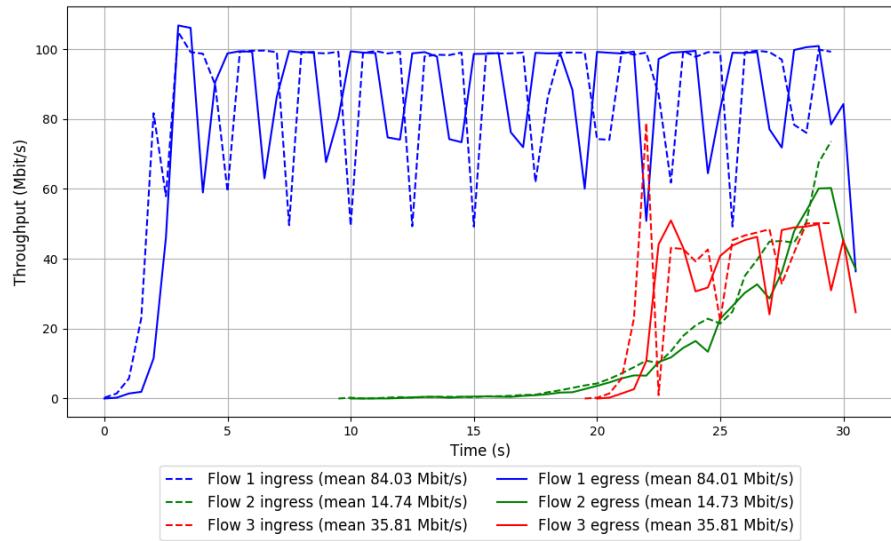


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-25 06:07:00
End at: 2018-05-25 06:07:30
Local clock offset: -0.22 ms
Remote clock offset: -0.577 ms

# Below is generated by plot.py at 2018-05-25 07:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 105.68 Mbit/s
95th percentile per-packet one-way delay: 147.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 146.516 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.73 Mbit/s
95th percentile per-packet one-way delay: 148.901 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 35.81 Mbit/s
95th percentile per-packet one-way delay: 154.825 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Cubic — Data Link

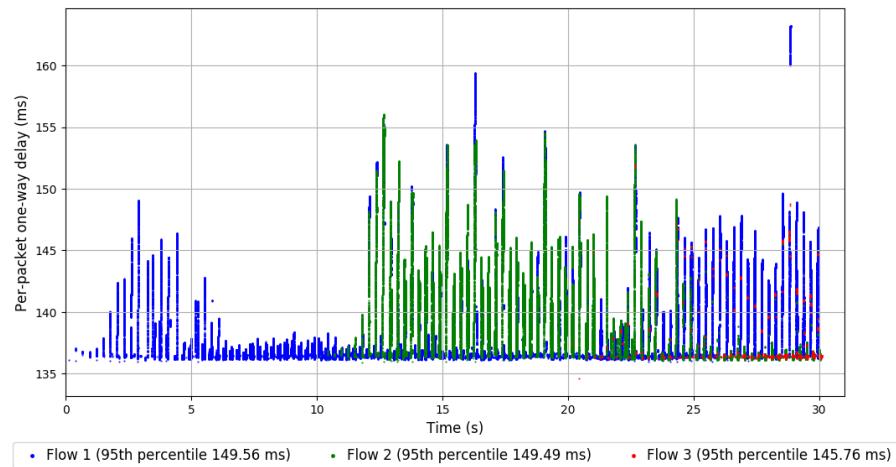
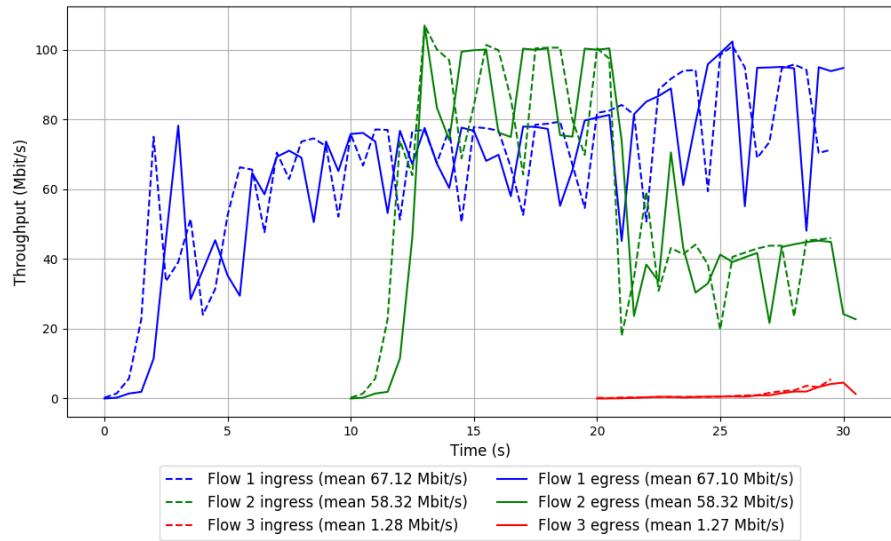


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-25 06:31:28
End at: 2018-05-25 06:31:58
Local clock offset: -0.23 ms
Remote clock offset: -0.488 ms

# Below is generated by plot.py at 2018-05-25 07:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 105.98 Mbit/s
95th percentile per-packet one-way delay: 149.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.10 Mbit/s
95th percentile per-packet one-way delay: 149.562 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.32 Mbit/s
95th percentile per-packet one-way delay: 149.489 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 145.758 ms
Loss rate: 0.85%
```

Run 9: Report of TCP Cubic — Data Link

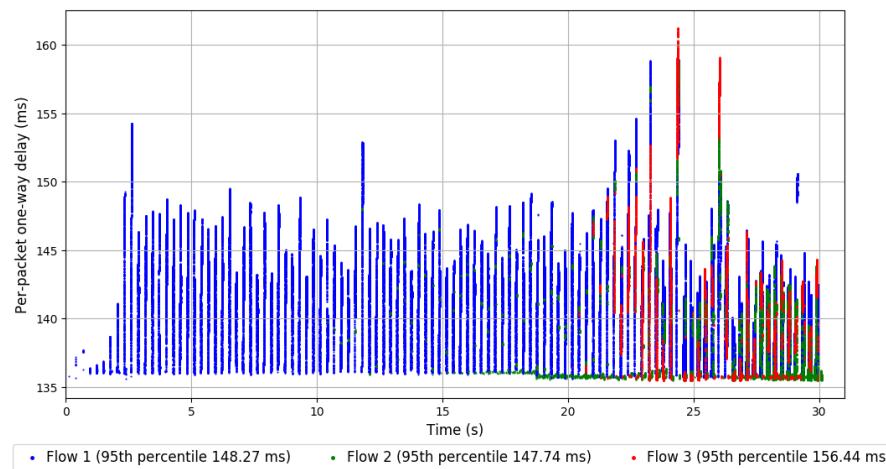
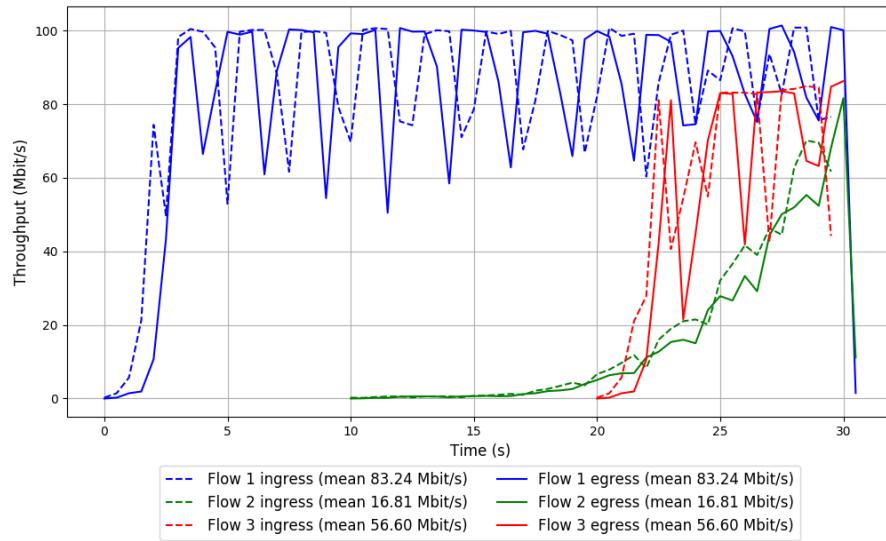


Run 10: Statistics of TCP Cubic

```
Start at: 2018-05-25 06:56:57
End at: 2018-05-25 06:57:27
Local clock offset: 0.105 ms
Remote clock offset: -0.458 ms

# Below is generated by plot.py at 2018-05-25 07:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 113.02 Mbit/s
95th percentile per-packet one-way delay: 148.590 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.24 Mbit/s
95th percentile per-packet one-way delay: 148.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.81 Mbit/s
95th percentile per-packet one-way delay: 147.738 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 156.439 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Cubic — Data Link

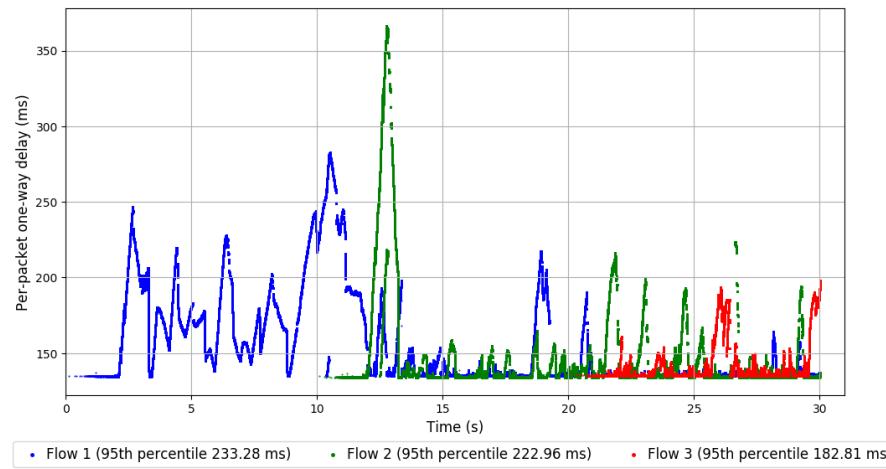
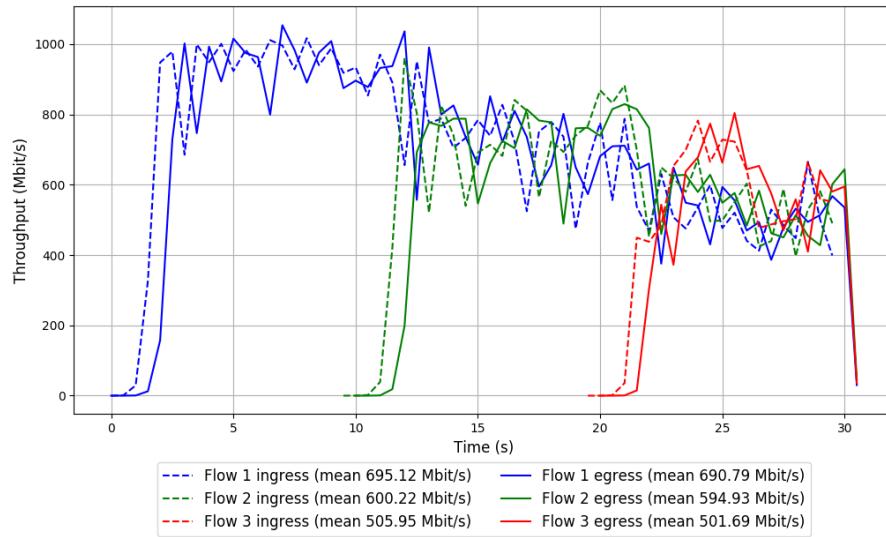


```
Run 1: Statistics of FillP

Start at: 2018-05-25 03:19:10
End at: 2018-05-25 03:19:40
Local clock offset: 0.309 ms
Remote clock offset: -0.567 ms

# Below is generated by plot.py at 2018-05-25 07:58:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1253.93 Mbit/s
95th percentile per-packet one-way delay: 226.503 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 690.79 Mbit/s
95th percentile per-packet one-way delay: 233.283 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 594.93 Mbit/s
95th percentile per-packet one-way delay: 222.956 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 501.69 Mbit/s
95th percentile per-packet one-way delay: 182.814 ms
Loss rate: 0.84%
```

Run 1: Report of FillP — Data Link

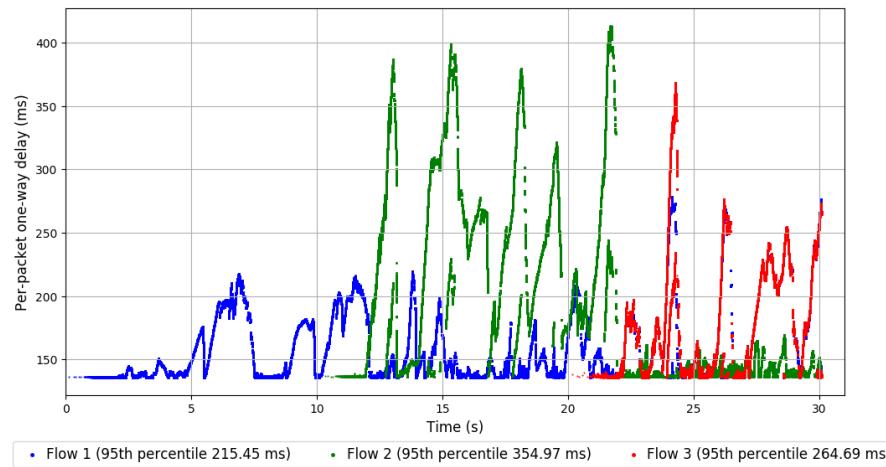
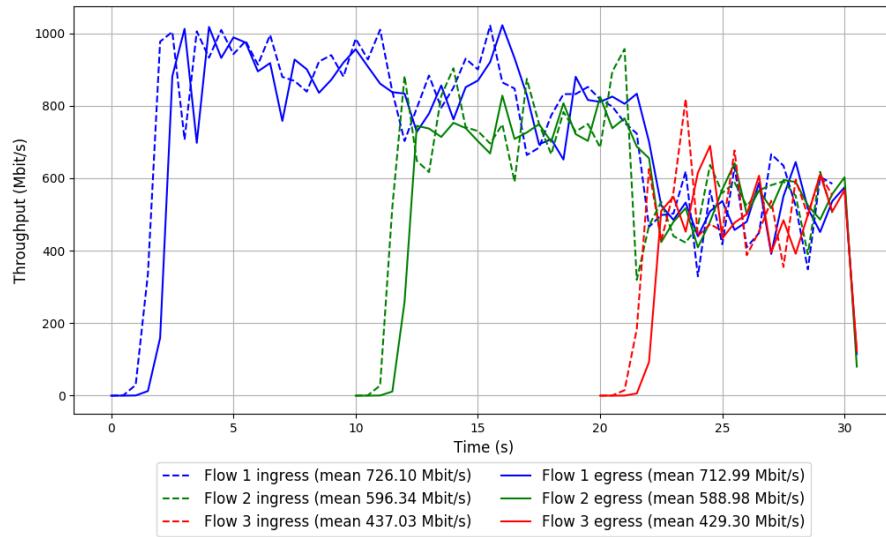


Run 2: Statistics of FillP

```
Start at: 2018-05-25 03:43:57
End at: 2018-05-25 03:44:27
Local clock offset: 0.154 ms
Remote clock offset: 0.192 ms

# Below is generated by plot.py at 2018-05-25 08:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1247.18 Mbit/s
95th percentile per-packet one-way delay: 292.169 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 712.99 Mbit/s
95th percentile per-packet one-way delay: 215.451 ms
Loss rate: 1.80%
-- Flow 2:
Average throughput: 588.98 Mbit/s
95th percentile per-packet one-way delay: 354.969 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 429.30 Mbit/s
95th percentile per-packet one-way delay: 264.692 ms
Loss rate: 1.76%
```

Run 2: Report of FillP — Data Link

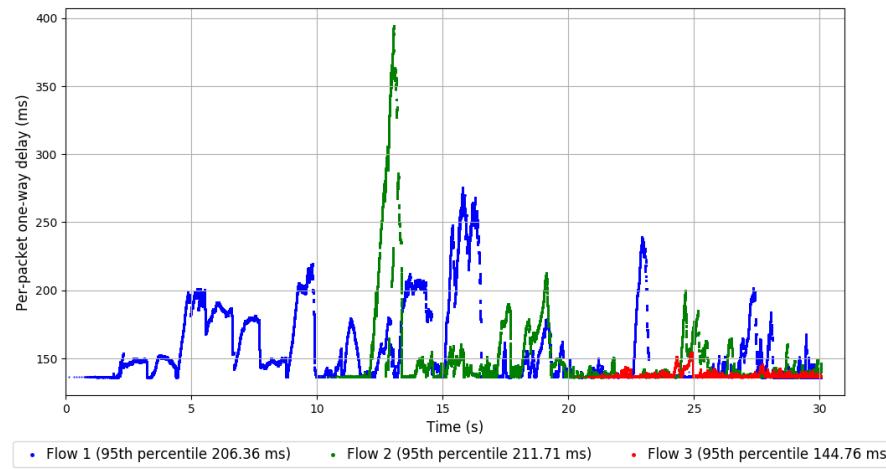
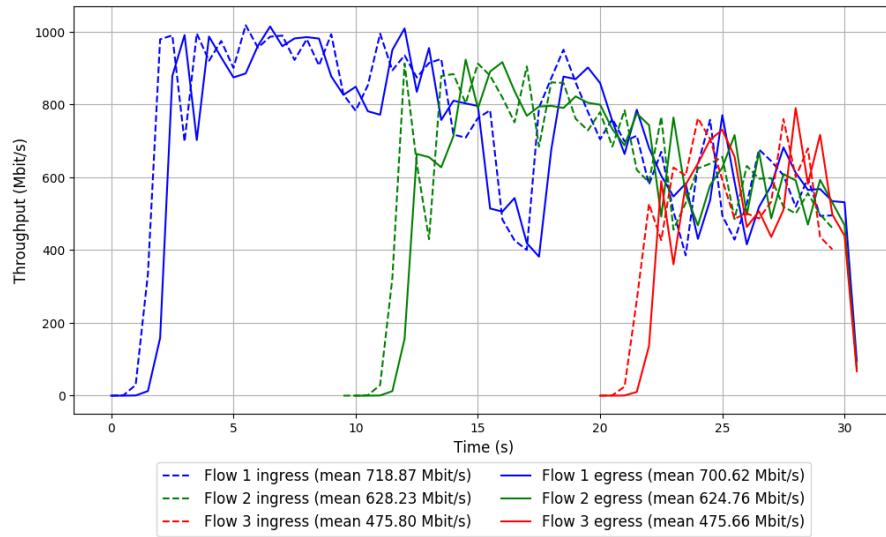


Run 3: Statistics of FillP

```
Start at: 2018-05-25 04:09:08
End at: 2018-05-25 04:09:38
Local clock offset: -0.121 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-05-25 08:00:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1273.90 Mbit/s
95th percentile per-packet one-way delay: 204.628 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 700.62 Mbit/s
95th percentile per-packet one-way delay: 206.362 ms
Loss rate: 2.54%
-- Flow 2:
Average throughput: 624.76 Mbit/s
95th percentile per-packet one-way delay: 211.707 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 475.66 Mbit/s
95th percentile per-packet one-way delay: 144.758 ms
Loss rate: 0.03%
```

Run 3: Report of FillP — Data Link

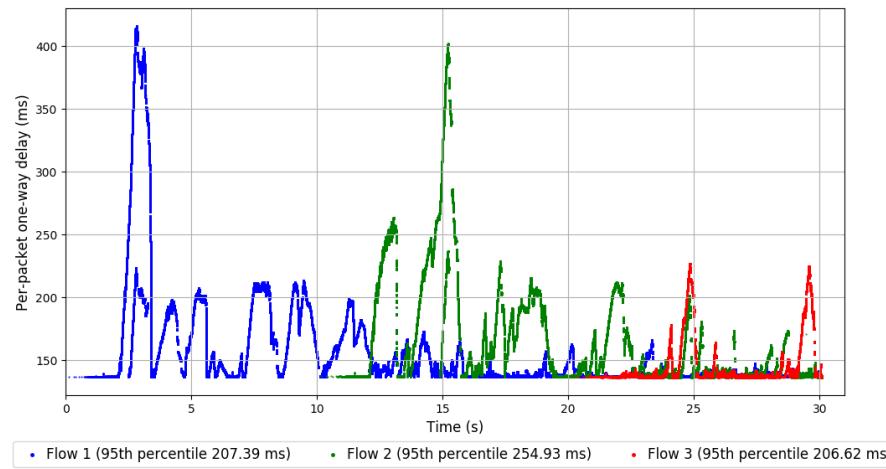
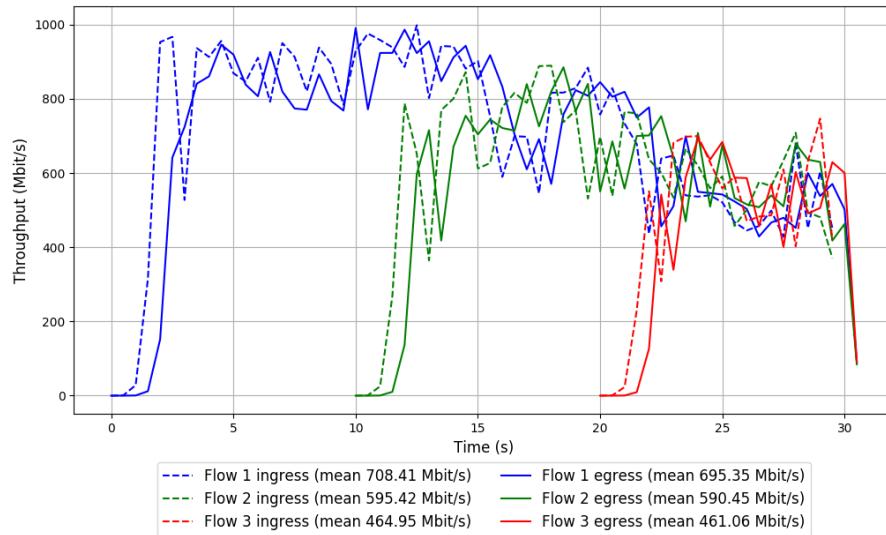


Run 4: Statistics of FillP

```
Start at: 2018-05-25 04:33:53
End at: 2018-05-25 04:34:23
Local clock offset: -0.082 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2018-05-25 08:00:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1240.66 Mbit/s
95th percentile per-packet one-way delay: 228.151 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 695.35 Mbit/s
95th percentile per-packet one-way delay: 207.392 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 590.45 Mbit/s
95th percentile per-packet one-way delay: 254.933 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 461.06 Mbit/s
95th percentile per-packet one-way delay: 206.625 ms
Loss rate: 0.84%
```

Run 4: Report of FillP — Data Link

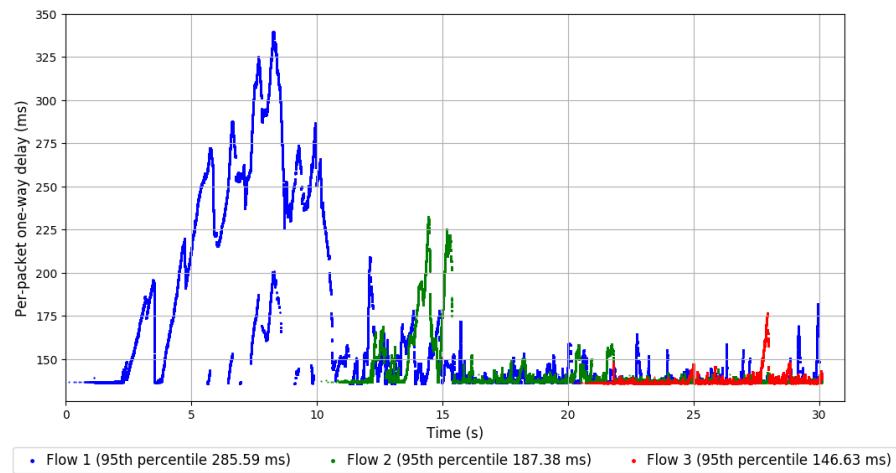
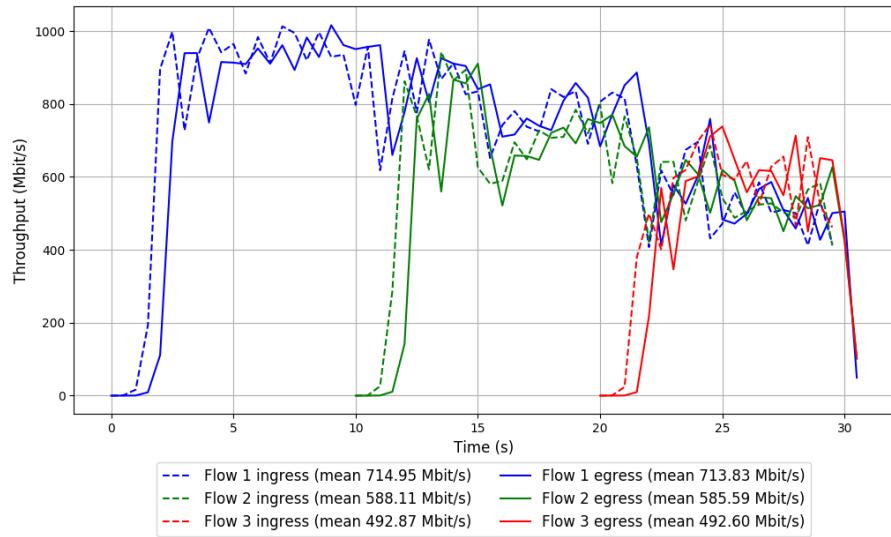


```
Run 5: Statistics of FillP
```

```
Start at: 2018-05-25 04:58:36
End at: 2018-05-25 04:59:06
Local clock offset: -0.054 ms
Remote clock offset: -0.183 ms

# Below is generated by plot.py at 2018-05-25 08:00:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1266.53 Mbit/s
95th percentile per-packet one-way delay: 261.556 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 713.83 Mbit/s
95th percentile per-packet one-way delay: 285.587 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 585.59 Mbit/s
95th percentile per-packet one-way delay: 187.379 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 492.60 Mbit/s
95th percentile per-packet one-way delay: 146.633 ms
Loss rate: 0.06%
```

Run 5: Report of FillP — Data Link

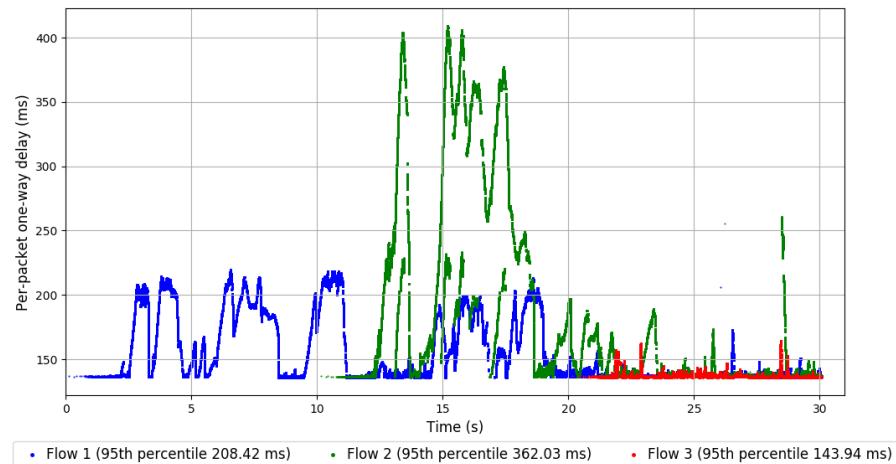
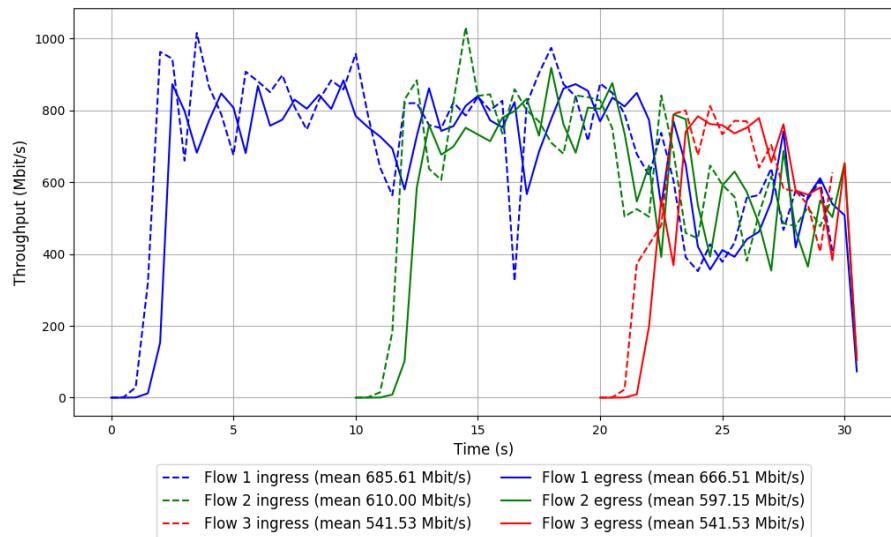


Run 6: Statistics of FillP

```
Start at: 2018-05-25 05:23:18
End at: 2018-05-25 05:23:48
Local clock offset: -0.036 ms
Remote clock offset: -0.208 ms

# Below is generated by plot.py at 2018-05-25 08:00:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1243.01 Mbit/s
95th percentile per-packet one-way delay: 285.217 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 666.51 Mbit/s
95th percentile per-packet one-way delay: 208.418 ms
Loss rate: 2.79%
-- Flow 2:
Average throughput: 597.15 Mbit/s
95th percentile per-packet one-way delay: 362.034 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 541.53 Mbit/s
95th percentile per-packet one-way delay: 143.935 ms
Loss rate: 0.00%
```

Run 6: Report of FillP — Data Link

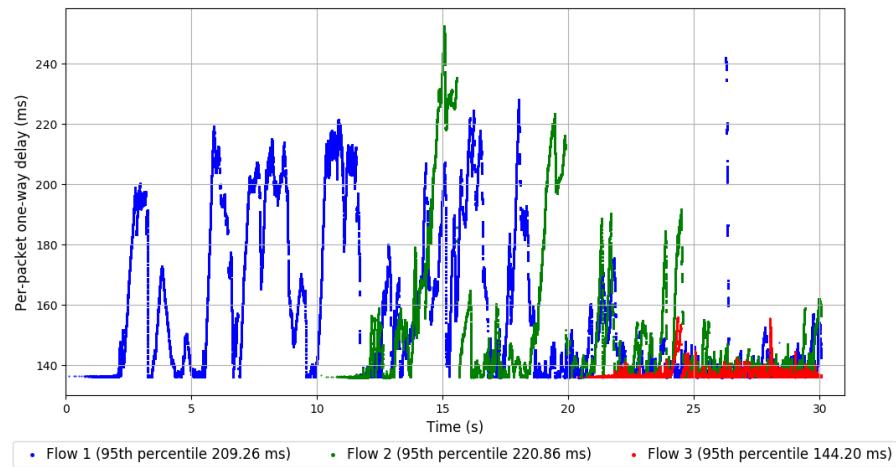
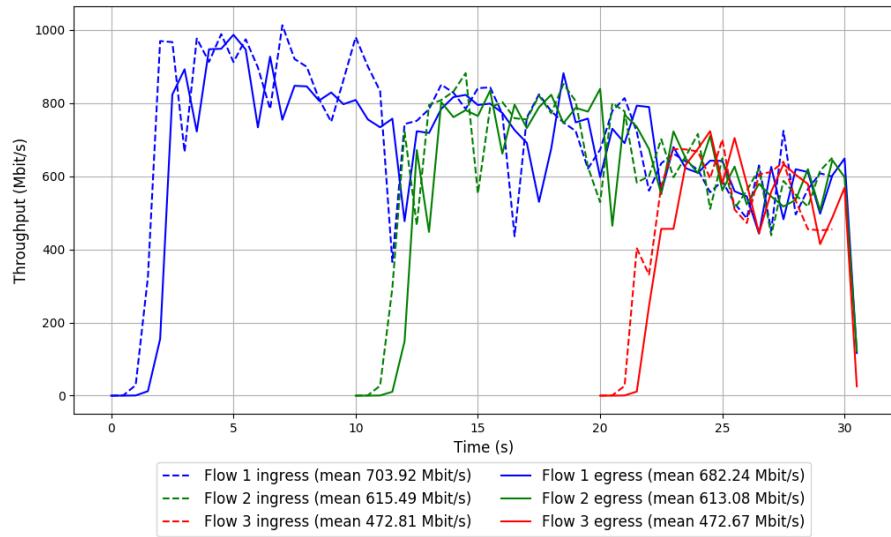


Run 7: Statistics of FillP

```
Start at: 2018-05-25 05:48:20
End at: 2018-05-25 05:48:50
Local clock offset: 0.33 ms
Remote clock offset: -0.202 ms

# Below is generated by plot.py at 2018-05-25 08:01:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1246.79 Mbit/s
95th percentile per-packet one-way delay: 209.735 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 682.24 Mbit/s
95th percentile per-packet one-way delay: 209.258 ms
Loss rate: 3.08%
-- Flow 2:
Average throughput: 613.08 Mbit/s
95th percentile per-packet one-way delay: 220.857 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 472.67 Mbit/s
95th percentile per-packet one-way delay: 144.201 ms
Loss rate: 0.04%
```

Run 7: Report of FillP — Data Link

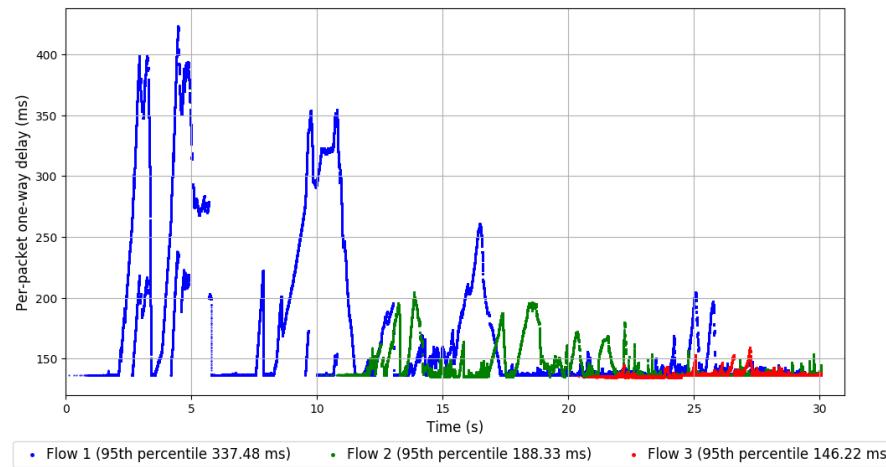
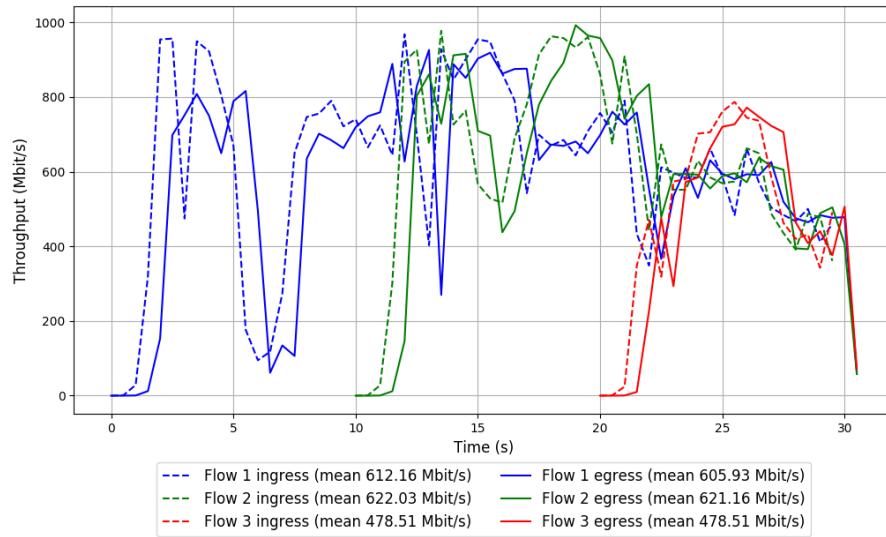


Run 8: Statistics of FillP

```
Start at: 2018-05-25 06:13:21
End at: 2018-05-25 06:13:51
Local clock offset: -0.003 ms
Remote clock offset: -0.215 ms

# Below is generated by plot.py at 2018-05-25 08:06:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1177.84 Mbit/s
95th percentile per-packet one-way delay: 293.551 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 605.93 Mbit/s
95th percentile per-packet one-way delay: 337.480 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 621.16 Mbit/s
95th percentile per-packet one-way delay: 188.334 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 478.51 Mbit/s
95th percentile per-packet one-way delay: 146.225 ms
Loss rate: 0.00%
```

Run 8: Report of FillP — Data Link

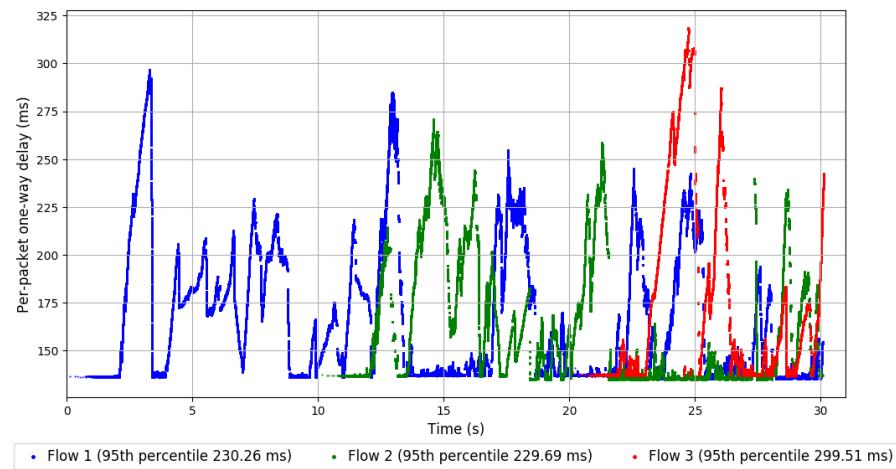
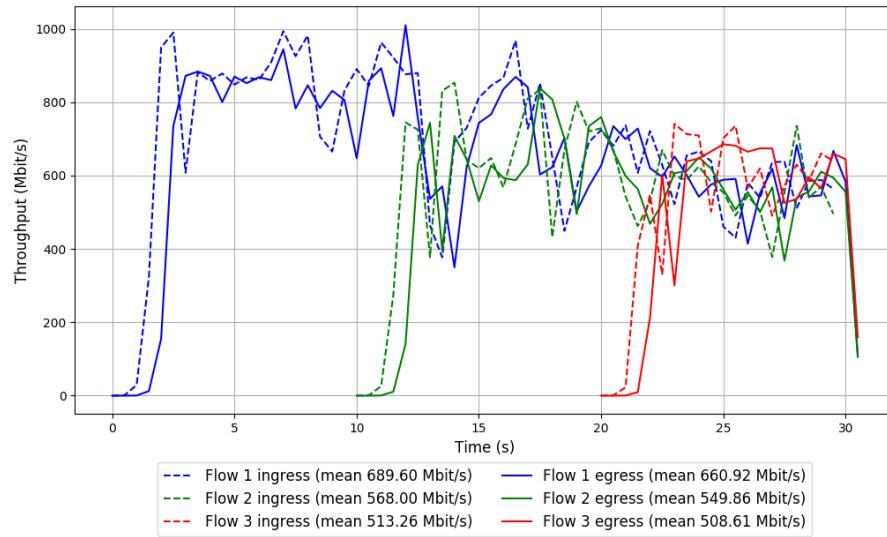


Run 9: Statistics of FillP

```
Start at: 2018-05-25 06:37:58
End at: 2018-05-25 06:38:28
Local clock offset: -0.161 ms
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2018-05-25 08:24:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1194.17 Mbit/s
95th percentile per-packet one-way delay: 243.104 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 660.92 Mbit/s
95th percentile per-packet one-way delay: 230.265 ms
Loss rate: 4.10%
-- Flow 2:
Average throughput: 549.86 Mbit/s
95th percentile per-packet one-way delay: 229.694 ms
Loss rate: 3.20%
-- Flow 3:
Average throughput: 508.61 Mbit/s
95th percentile per-packet one-way delay: 299.511 ms
Loss rate: 0.31%
```

Run 9: Report of FillP — Data Link

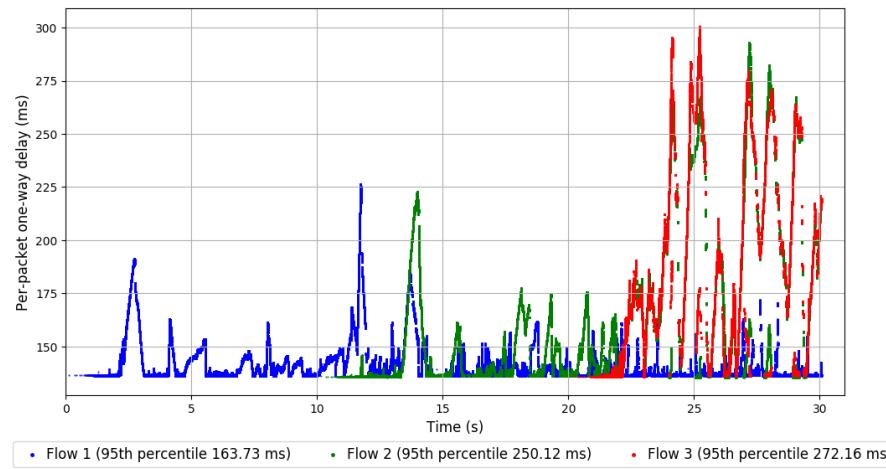
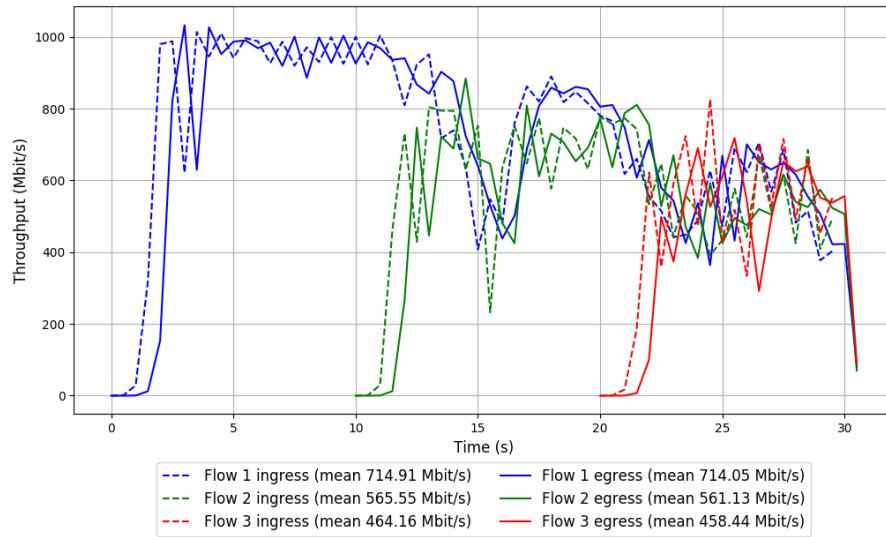


Run 10: Statistics of FillP

```
Start at: 2018-05-25 07:03:22
End at: 2018-05-25 07:03:52
Local clock offset: -0.002 ms
Remote clock offset: -0.487 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1239.07 Mbit/s
95th percentile per-packet one-way delay: 242.204 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 714.05 Mbit/s
95th percentile per-packet one-way delay: 163.729 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 561.13 Mbit/s
95th percentile per-packet one-way delay: 250.122 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 458.44 Mbit/s
95th percentile per-packet one-way delay: 272.164 ms
Loss rate: 1.22%
```

Run 10: Report of FillP — Data Link

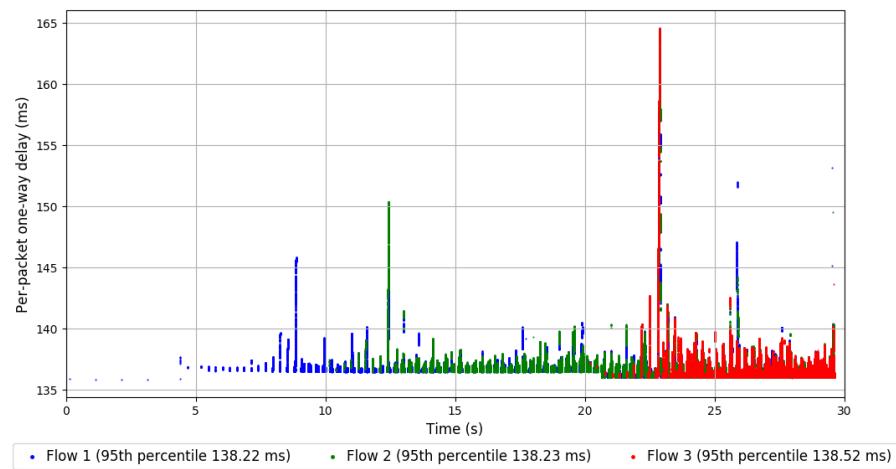
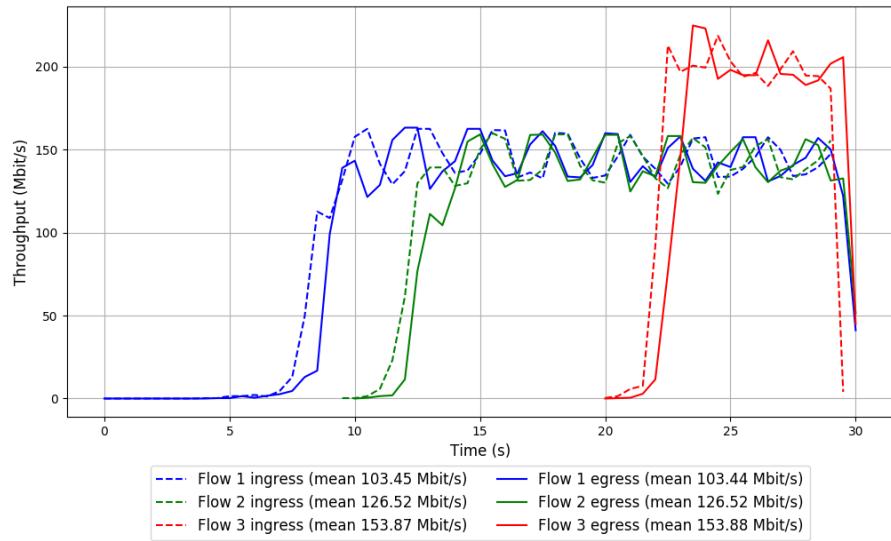


Run 1: Statistics of Indigo

```
Start at: 2018-05-25 02:58:25
End at: 2018-05-25 02:58:55
Local clock offset: -0.149 ms
Remote clock offset: -0.214 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 235.96 Mbit/s
95th percentile per-packet one-way delay: 138.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.44 Mbit/s
95th percentile per-packet one-way delay: 138.216 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 126.52 Mbit/s
95th percentile per-packet one-way delay: 138.234 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 153.88 Mbit/s
95th percentile per-packet one-way delay: 138.523 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

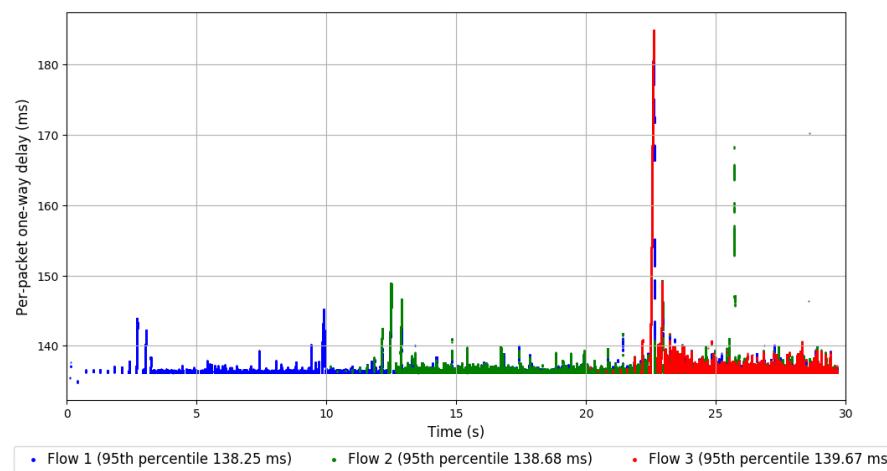
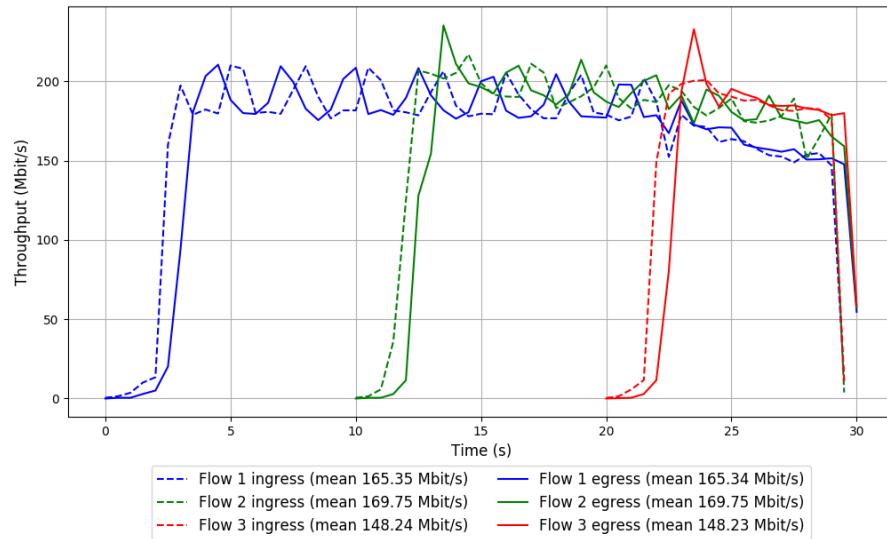


Run 2: Statistics of Indigo

```
Start at: 2018-05-25 03:23:05
End at: 2018-05-25 03:23:35
Local clock offset: 0.126 ms
Remote clock offset: -0.19 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 325.20 Mbit/s
95th percentile per-packet one-way delay: 138.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 165.34 Mbit/s
95th percentile per-packet one-way delay: 138.250 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 169.75 Mbit/s
95th percentile per-packet one-way delay: 138.677 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 148.23 Mbit/s
95th percentile per-packet one-way delay: 139.672 ms
Loss rate: 0.01%
```

Run 2: Report of Indigo — Data Link

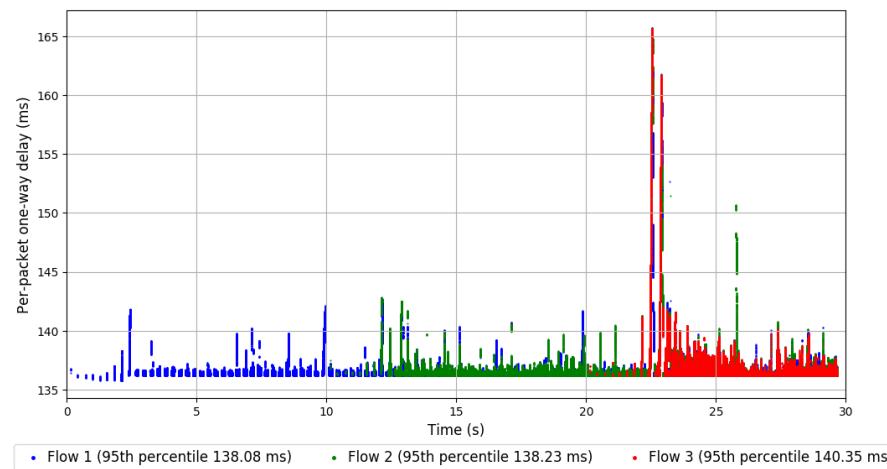
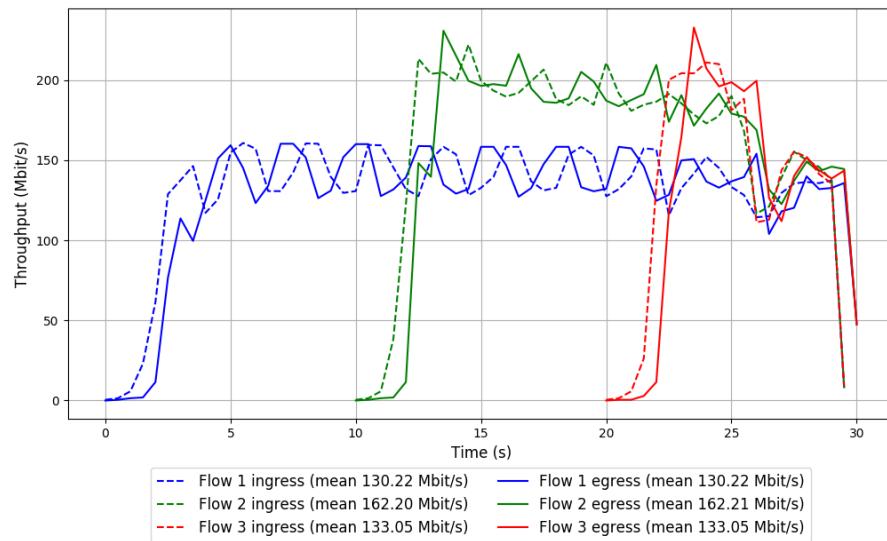


Run 3: Statistics of Indigo

```
Start at: 2018-05-25 03:47:43
End at: 2018-05-25 03:48:13
Local clock offset: 0.052 ms
Remote clock offset: -0.193 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 280.31 Mbit/s
95th percentile per-packet one-way delay: 138.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.22 Mbit/s
95th percentile per-packet one-way delay: 138.078 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 162.21 Mbit/s
95th percentile per-packet one-way delay: 138.227 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 133.05 Mbit/s
95th percentile per-packet one-way delay: 140.347 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

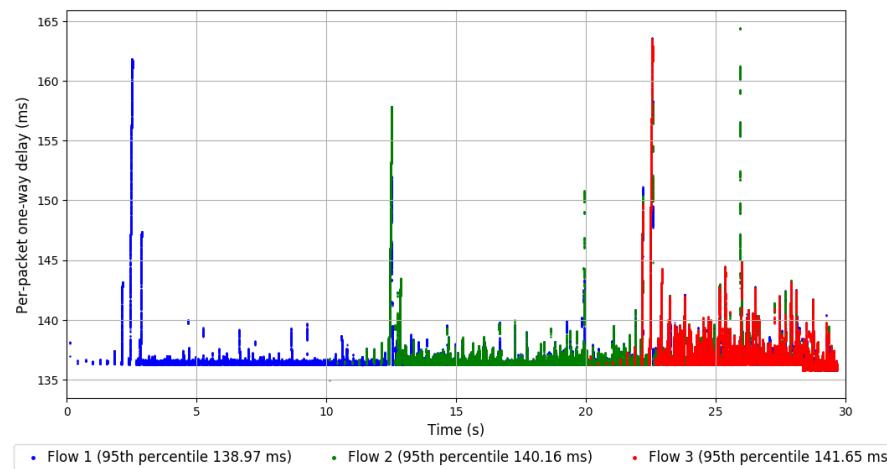
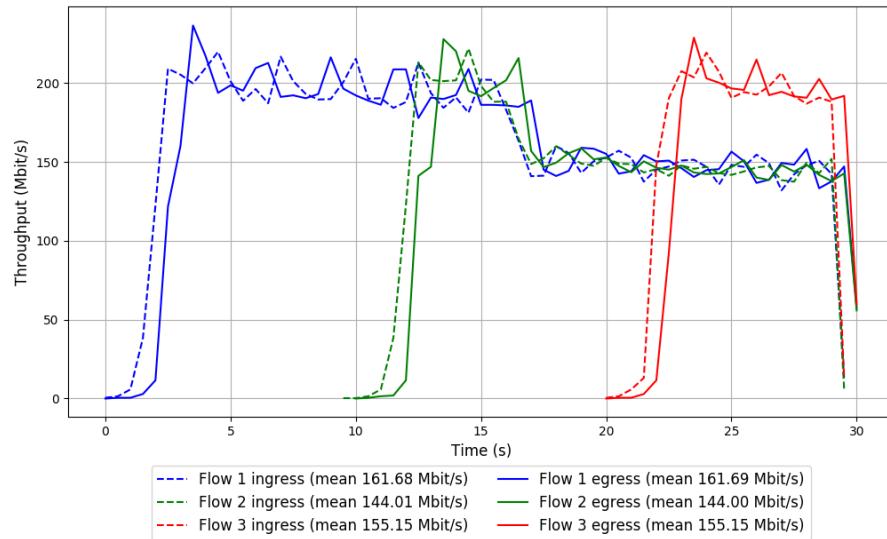


Run 4: Statistics of Indigo

```
Start at: 2018-05-25 04:12:57
End at: 2018-05-25 04:13:27
Local clock offset: 0.038 ms
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 306.87 Mbit/s
95th percentile per-packet one-way delay: 139.918 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 161.69 Mbit/s
95th percentile per-packet one-way delay: 138.971 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 144.00 Mbit/s
95th percentile per-packet one-way delay: 140.157 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 155.15 Mbit/s
95th percentile per-packet one-way delay: 141.653 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

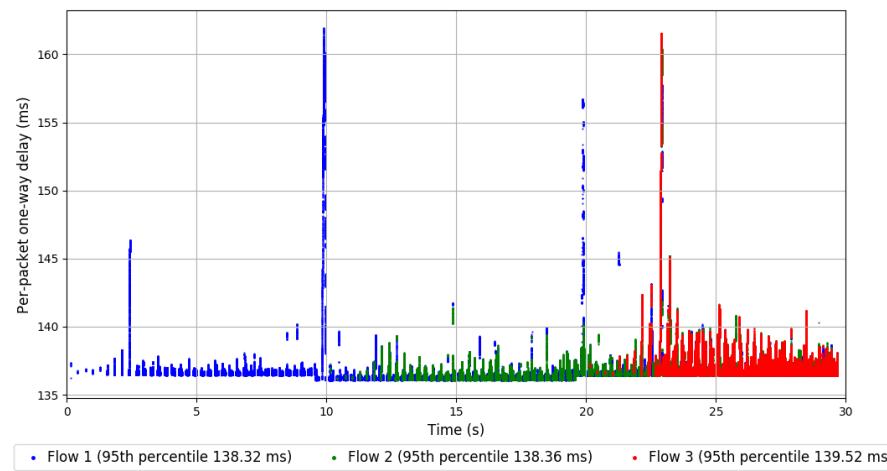
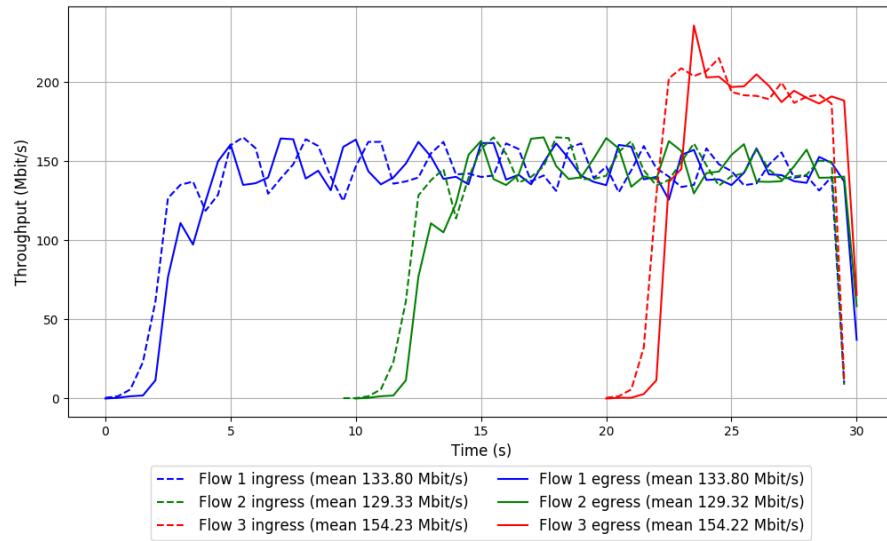


Run 5: Statistics of Indigo

```
Start at: 2018-05-25 04:37:36
End at: 2018-05-25 04:38:06
Local clock offset: -0.192 ms
Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 269.06 Mbit/s
95th percentile per-packet one-way delay: 138.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.80 Mbit/s
95th percentile per-packet one-way delay: 138.317 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.32 Mbit/s
95th percentile per-packet one-way delay: 138.362 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 154.22 Mbit/s
95th percentile per-packet one-way delay: 139.517 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo — Data Link

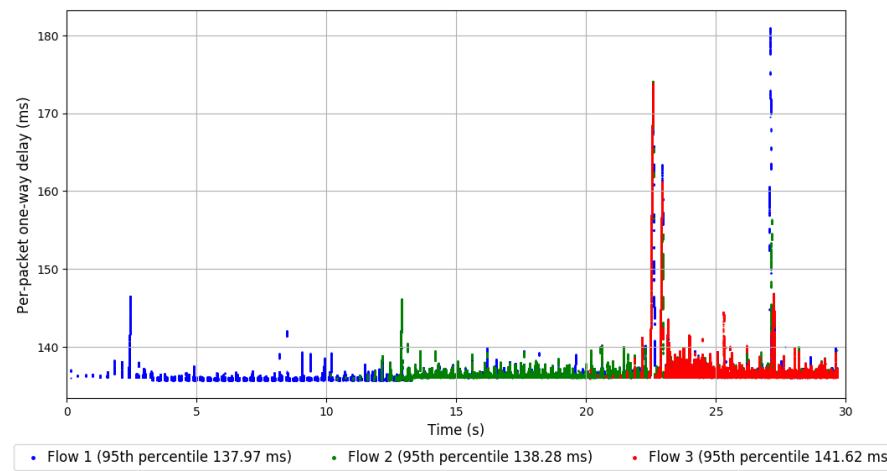
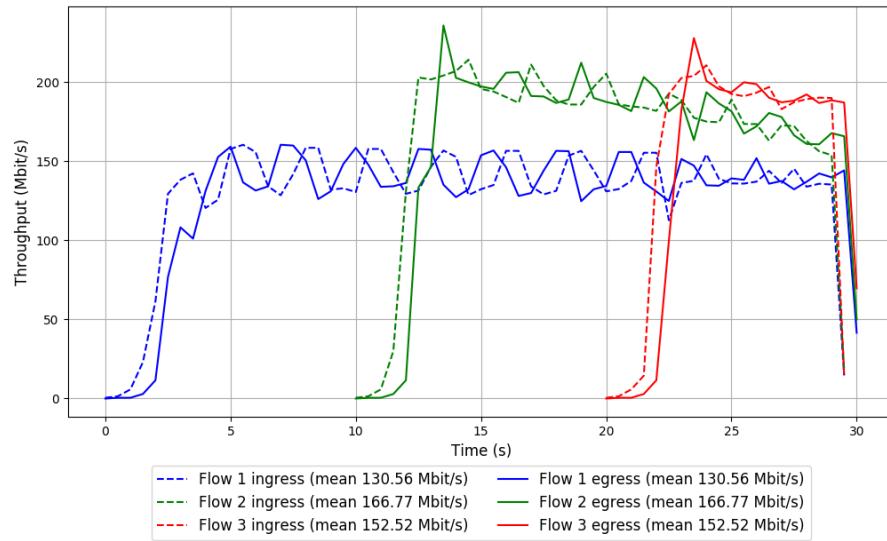


Run 6: Statistics of Indigo

```
Start at: 2018-05-25 05:02:22
End at: 2018-05-25 05:02:52
Local clock offset: 0.12 ms
Remote clock offset: -0.219 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 289.91 Mbit/s
95th percentile per-packet one-way delay: 138.605 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.56 Mbit/s
95th percentile per-packet one-way delay: 137.968 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 166.77 Mbit/s
95th percentile per-packet one-way delay: 138.275 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 152.52 Mbit/s
95th percentile per-packet one-way delay: 141.618 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link

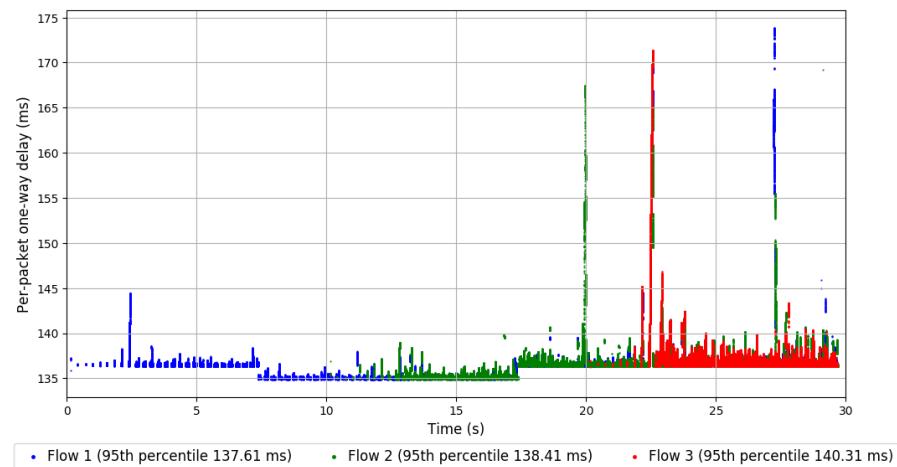
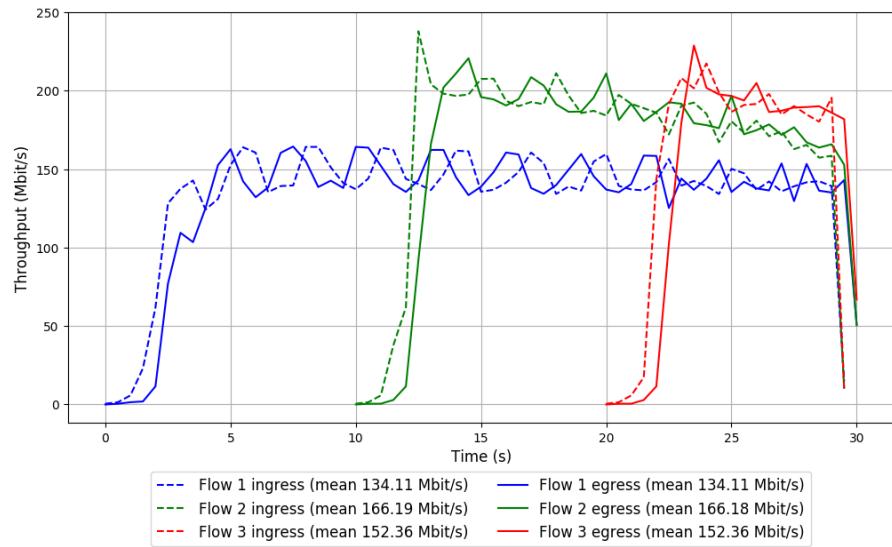


Run 7: Statistics of Indigo

```
Start at: 2018-05-25 05:27:08
End at: 2018-05-25 05:27:38
Local clock offset: 0.085 ms
Remote clock offset: -0.171 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 292.93 Mbit/s
95th percentile per-packet one-way delay: 138.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.11 Mbit/s
95th percentile per-packet one-way delay: 137.607 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 166.18 Mbit/s
95th percentile per-packet one-way delay: 138.414 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 152.36 Mbit/s
95th percentile per-packet one-way delay: 140.308 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

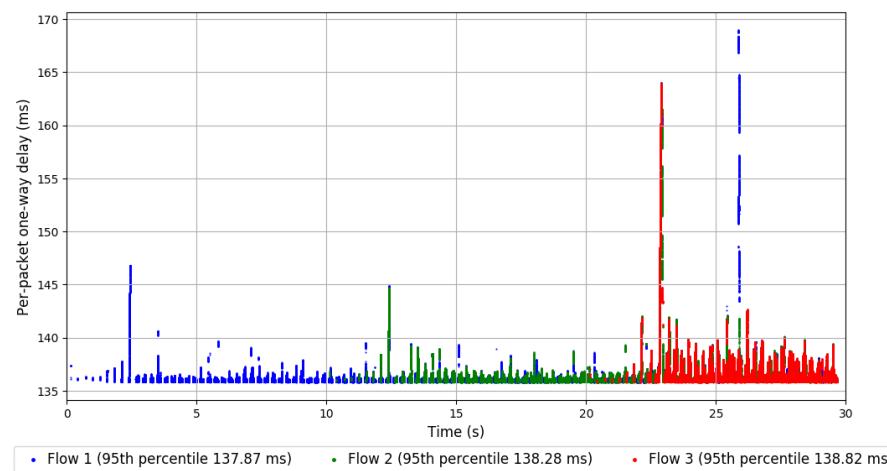
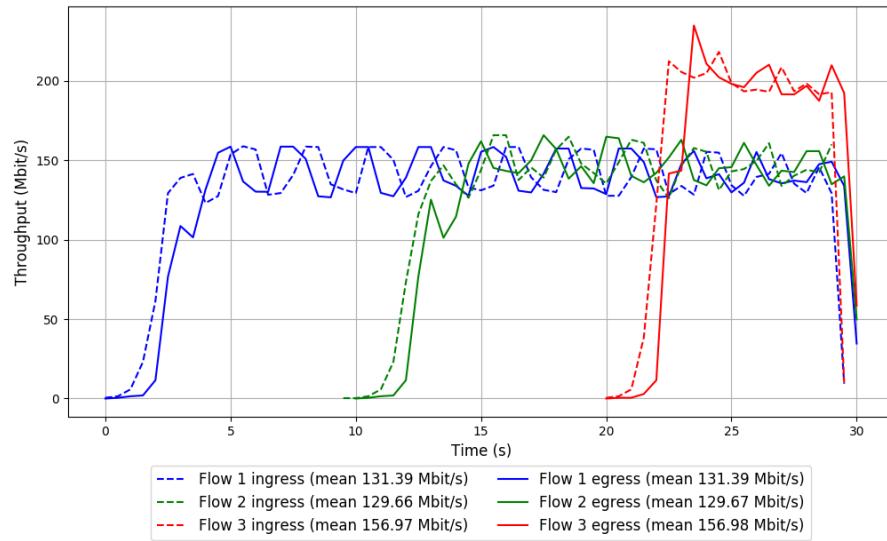


Run 8: Statistics of Indigo

```
Start at: 2018-05-25 05:52:16
End at: 2018-05-25 05:52:46
Local clock offset: 0.049 ms
Remote clock offset: -0.197 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 267.62 Mbit/s
95th percentile per-packet one-way delay: 138.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.39 Mbit/s
95th percentile per-packet one-way delay: 137.874 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.67 Mbit/s
95th percentile per-packet one-way delay: 138.275 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 156.98 Mbit/s
95th percentile per-packet one-way delay: 138.825 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

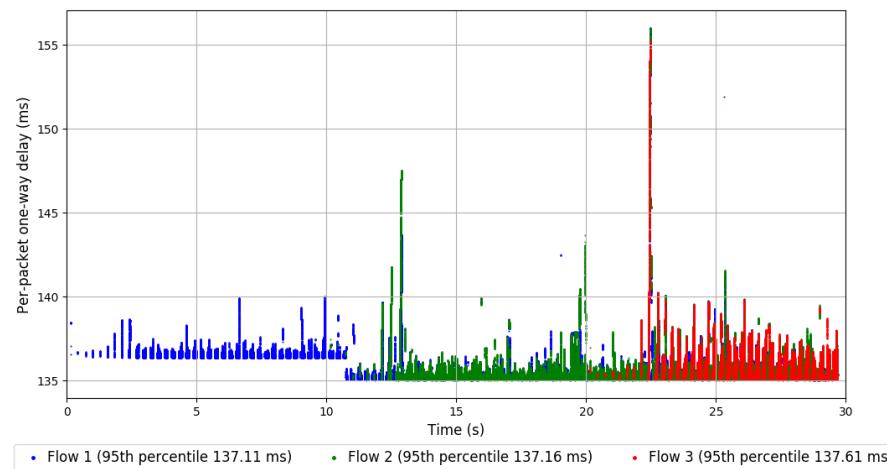
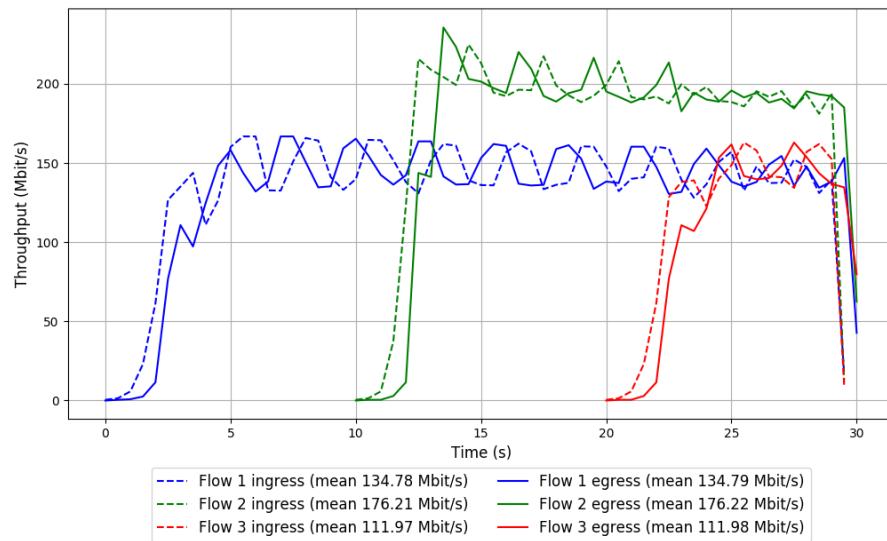


Run 9: Statistics of Indigo

```
Start at: 2018-05-25 06:17:05
End at: 2018-05-25 06:17:35
Local clock offset: -0.117 ms
Remote clock offset: -0.184 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 287.28 Mbit/s
95th percentile per-packet one-way delay: 137.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.79 Mbit/s
95th percentile per-packet one-way delay: 137.112 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.22 Mbit/s
95th percentile per-packet one-way delay: 137.163 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 111.98 Mbit/s
95th percentile per-packet one-way delay: 137.608 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

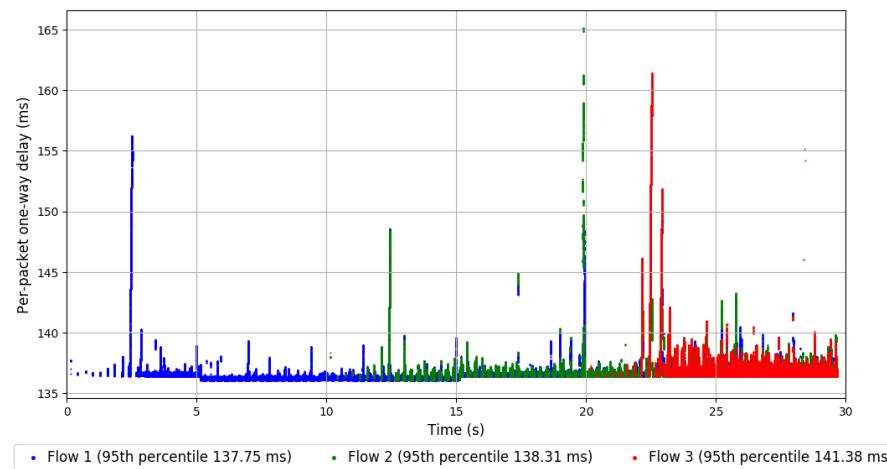
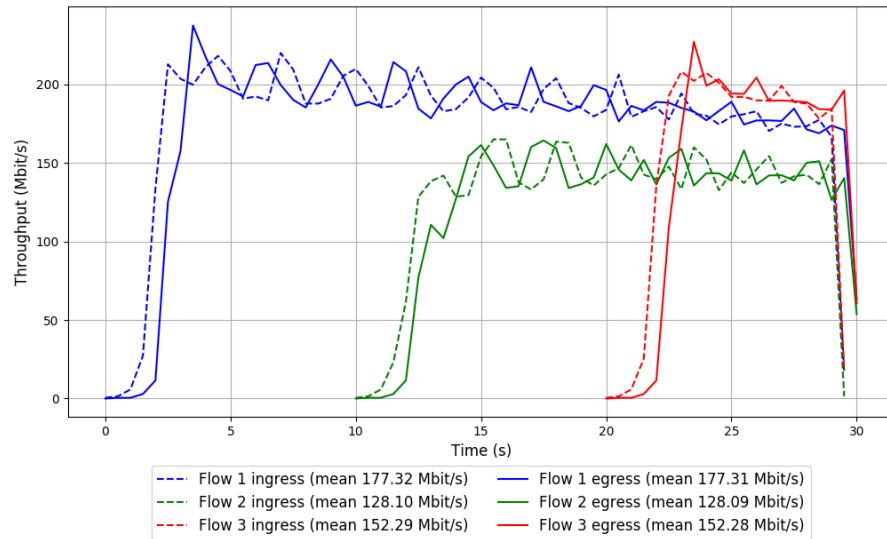


Run 10: Statistics of Indigo

```
Start at: 2018-05-25 06:41:50
End at: 2018-05-25 06:42:20
Local clock offset: -0.161 ms
Remote clock offset: -0.134 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 311.06 Mbit/s
95th percentile per-packet one-way delay: 138.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.31 Mbit/s
95th percentile per-packet one-way delay: 137.751 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 128.09 Mbit/s
95th percentile per-packet one-way delay: 138.305 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 152.28 Mbit/s
95th percentile per-packet one-way delay: 141.377 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

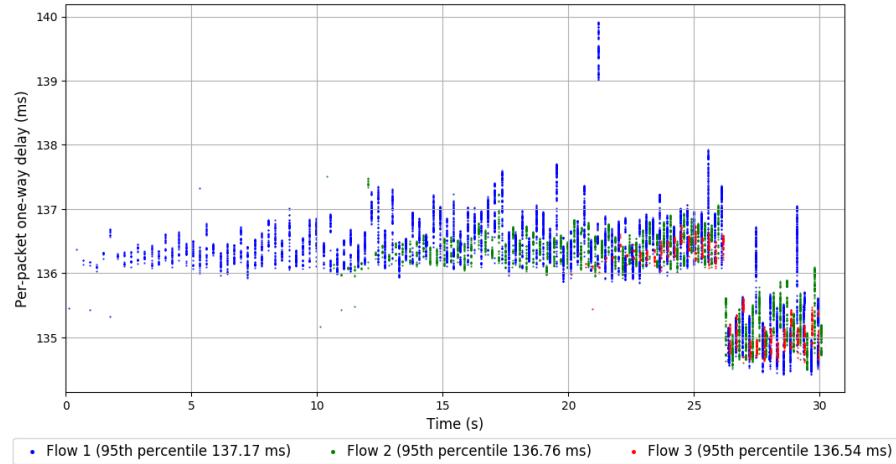
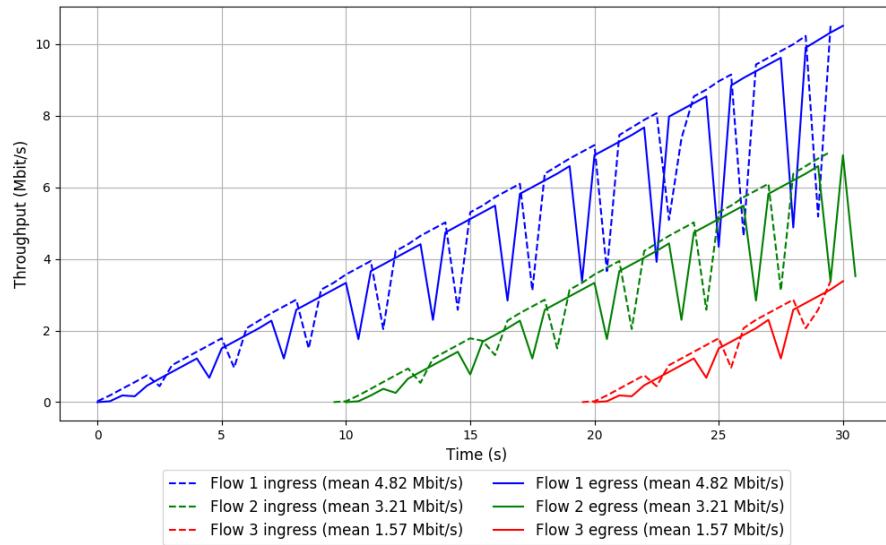


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-25 03:11:30
End at: 2018-05-25 03:12:00
Local clock offset: 0.102 ms
Remote clock offset: -0.565 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.46 Mbit/s
95th percentile per-packet one-way delay: 137.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 137.166 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.21 Mbit/s
95th percentile per-packet one-way delay: 136.759 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 136.537 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

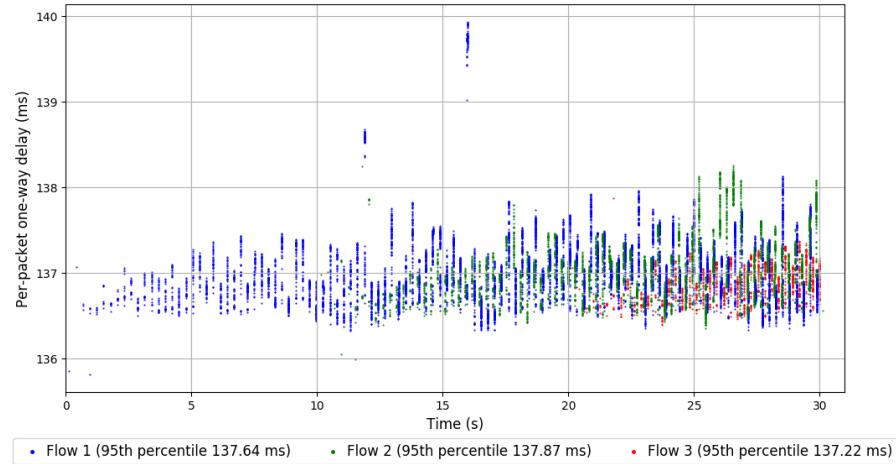
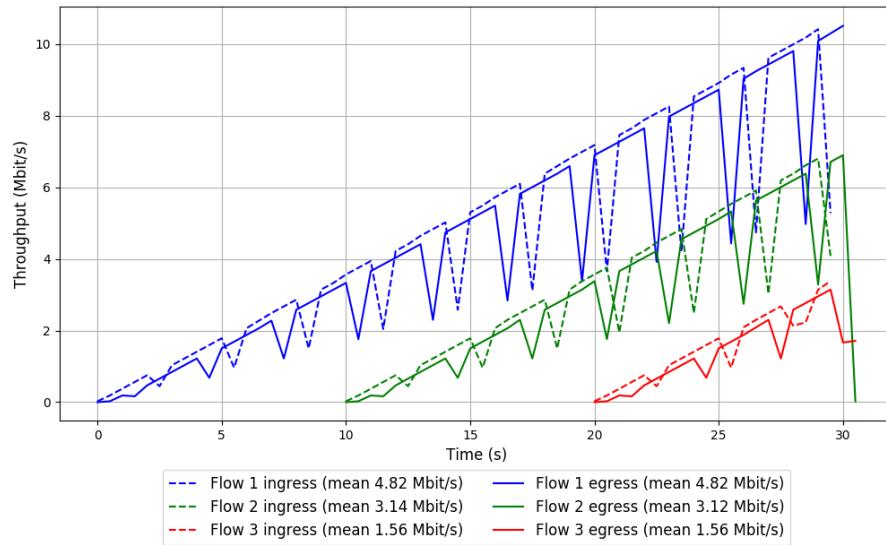


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-25 03:36:18
End at: 2018-05-25 03:36:48
Local clock offset: 0.002 ms
Remote clock offset: -0.163 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.38 Mbit/s
95th percentile per-packet one-way delay: 137.674 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 137.638 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 137.873 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 137.215 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

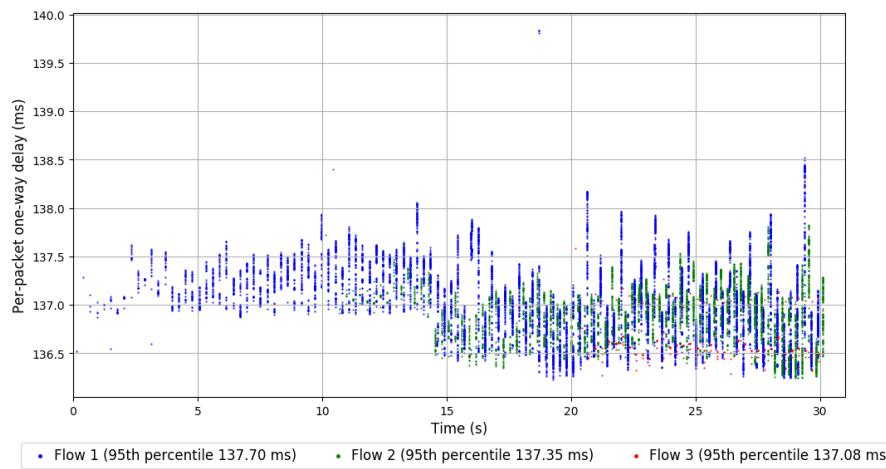
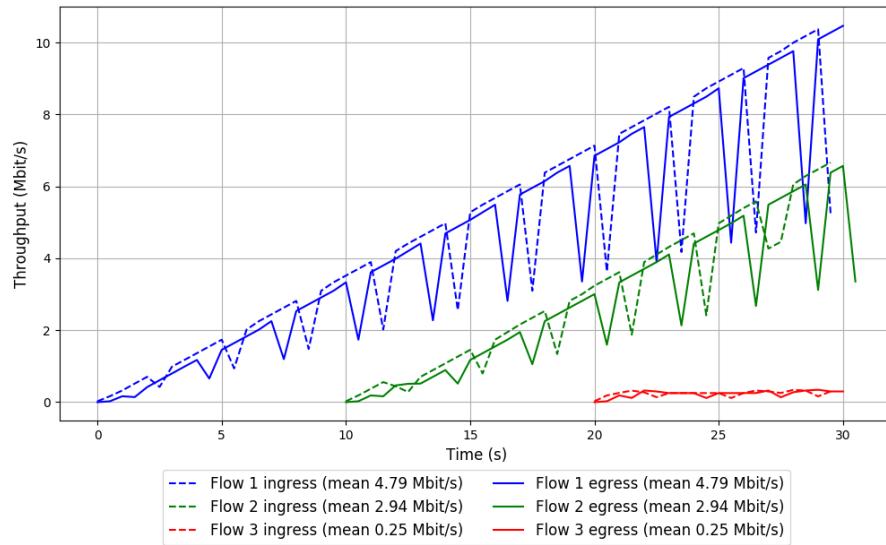


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-25 04:01:21
End at: 2018-05-25 04:01:51
Local clock offset: -0.086 ms
Remote clock offset: 0.184 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 137.619 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.701 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 137.350 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 137.082 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

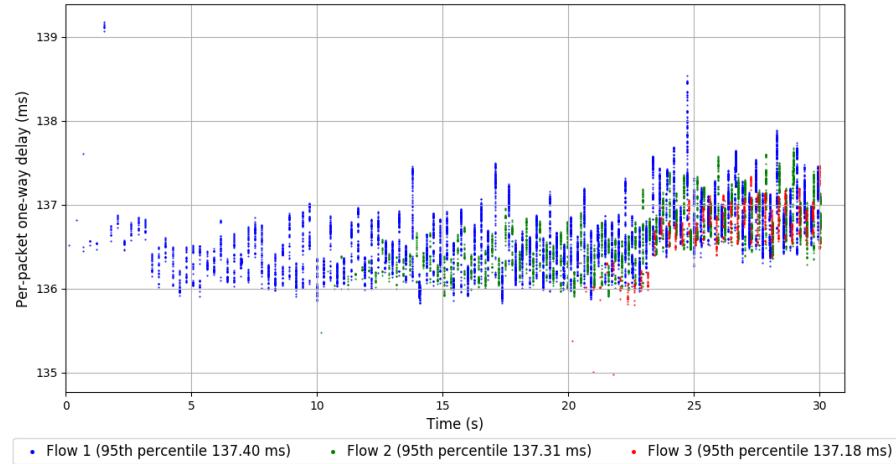
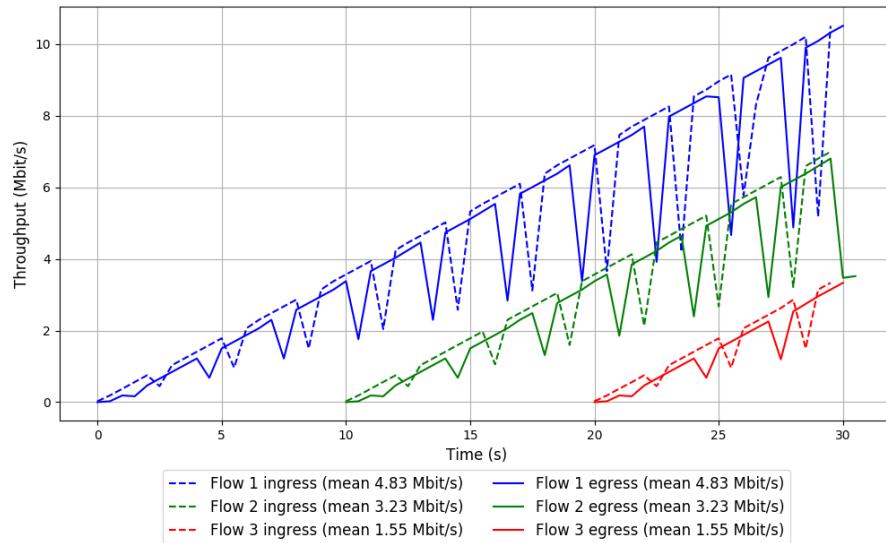


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-25 04:26:13
End at: 2018-05-25 04:26:43
Local clock offset: 0.082 ms
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.46 Mbit/s
95th percentile per-packet one-way delay: 137.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 137.400 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 137.313 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 137.181 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

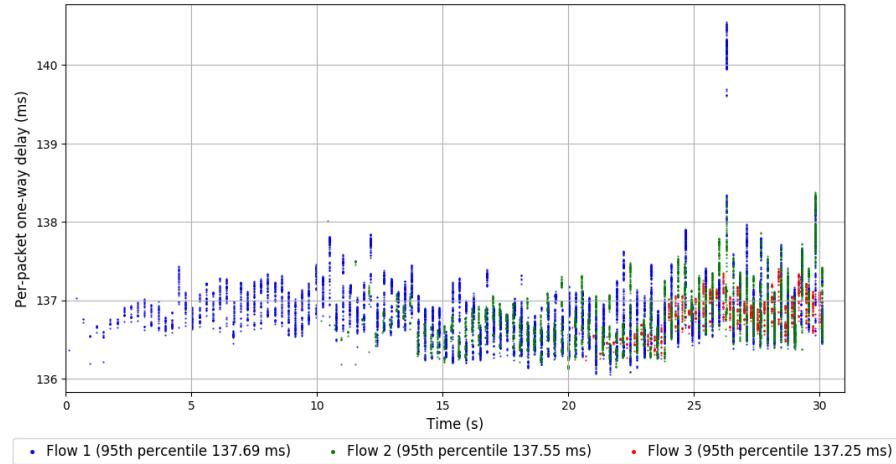
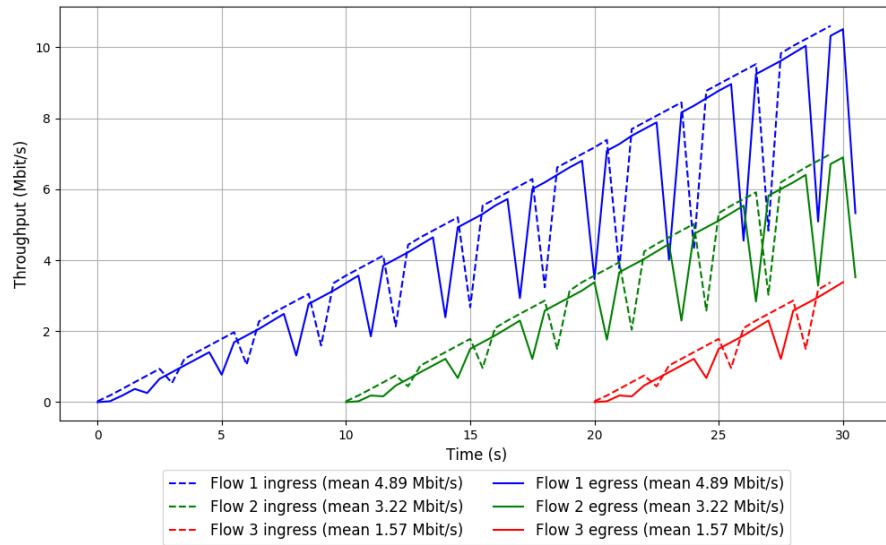


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-25 04:50:52
End at: 2018-05-25 04:51:22
Local clock offset: -0.201 ms
Remote clock offset: -0.212 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 137.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 137.694 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 137.547 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 137.253 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

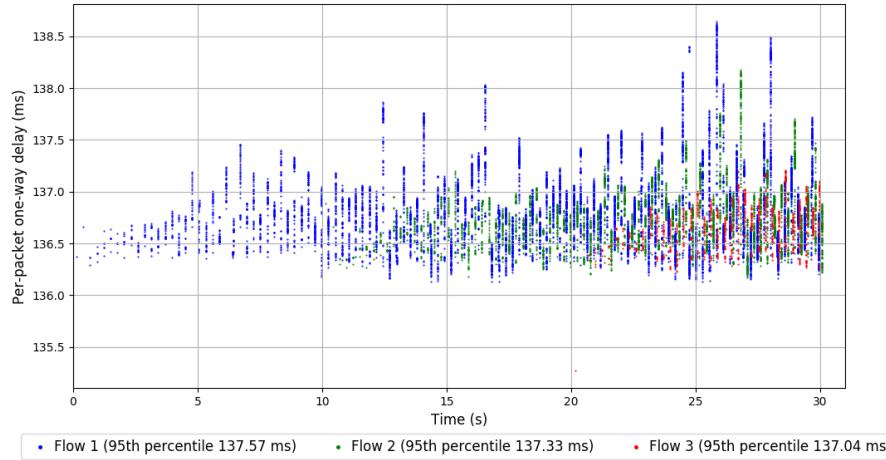
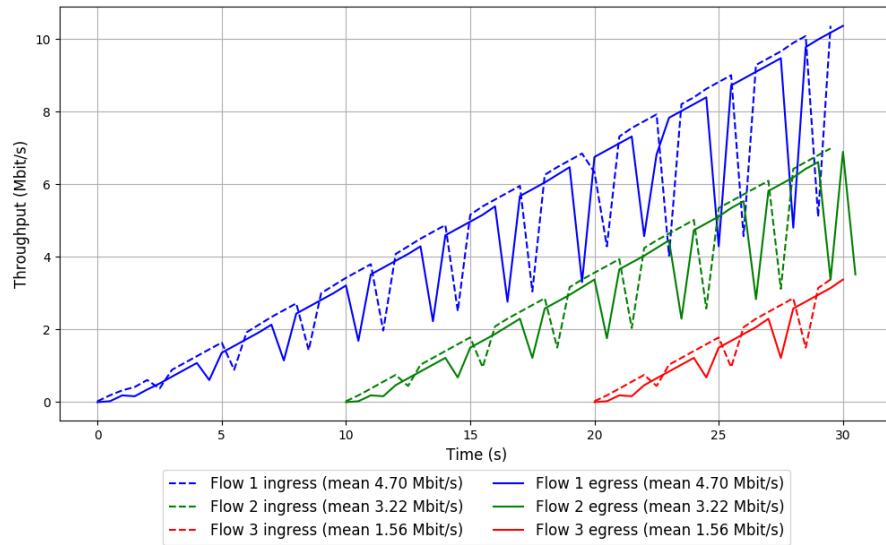


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-25 05:15:45
End at: 2018-05-25 05:16:15
Local clock offset: 0.226 ms
Remote clock offset: -0.209 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 137.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 137.572 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 137.329 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 137.040 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

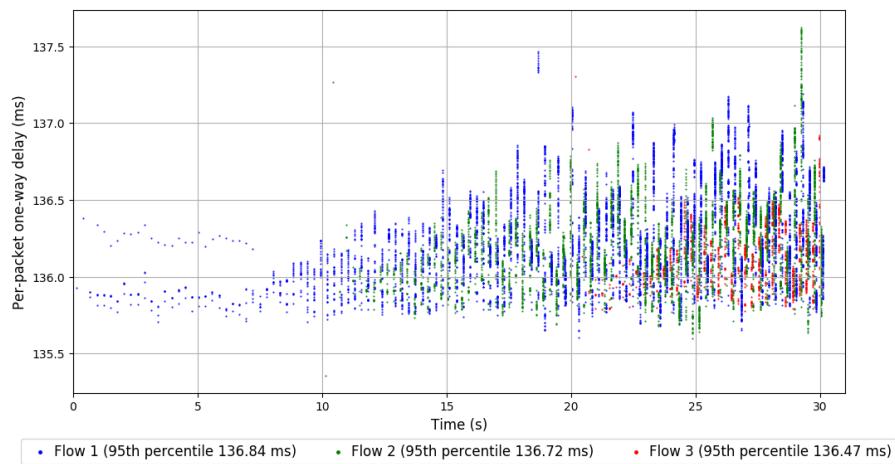
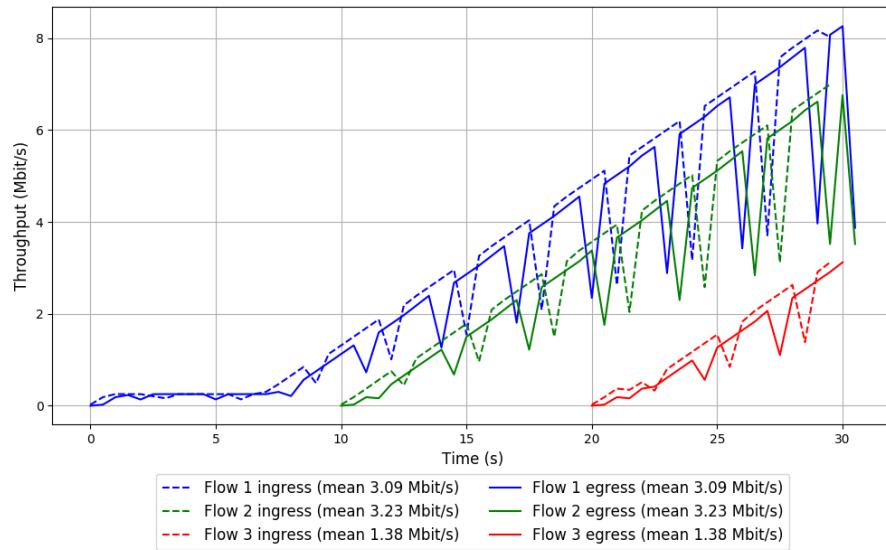


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-25 05:40:45
End at: 2018-05-25 05:41:15
Local clock offset: 0.32 ms
Remote clock offset: -0.207 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.68 Mbit/s
95th percentile per-packet one-way delay: 136.794 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 136.843 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 136.721 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 136.475 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

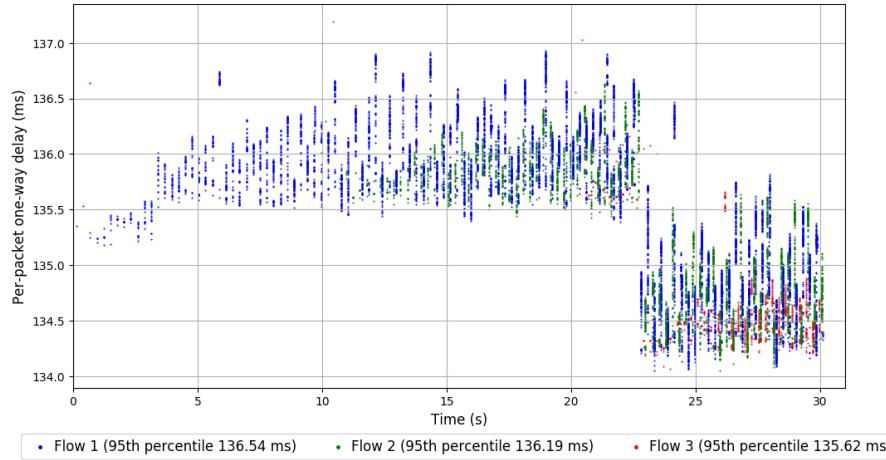
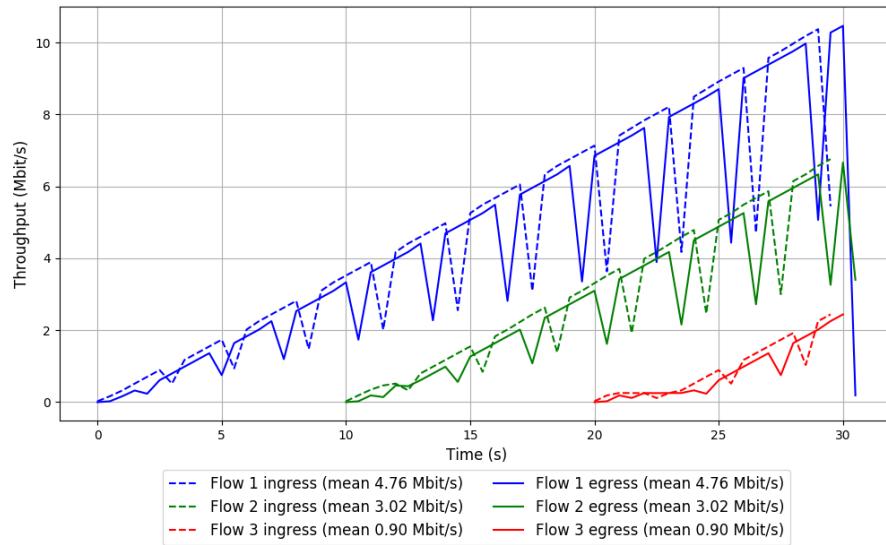


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-25 06:05:43
End at: 2018-05-25 06:06:13
Local clock offset: 0.433 ms
Remote clock offset: -0.634 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 136.458 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 136.538 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 136.193 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 135.617 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

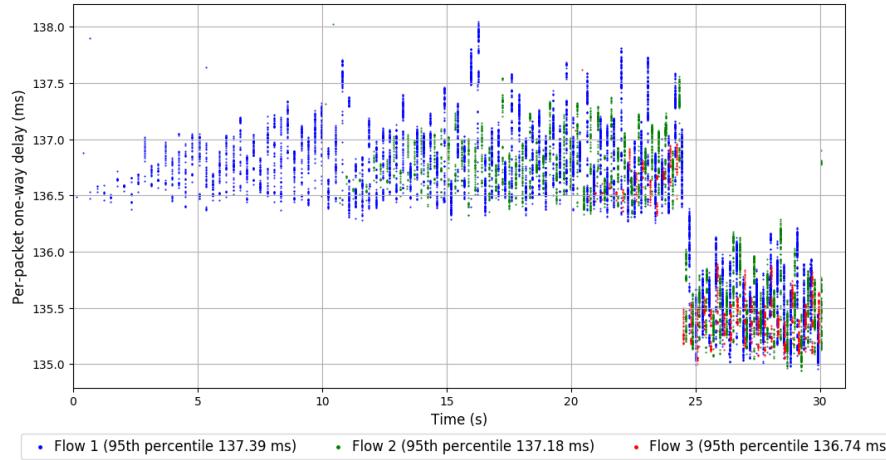
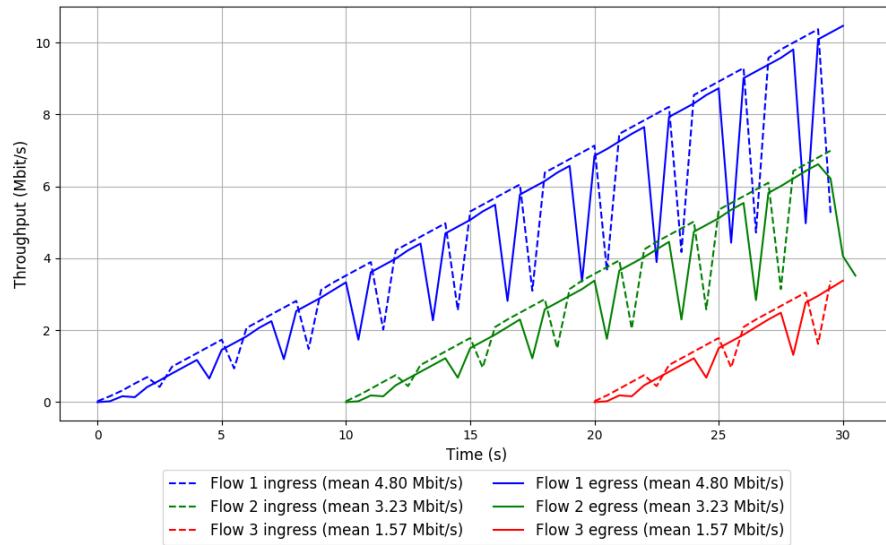


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-25 06:30:11
End at: 2018-05-25 06:30:41
Local clock offset: -0.027 ms
Remote clock offset: -0.177 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 137.309 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 137.393 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 137.184 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 136.741 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

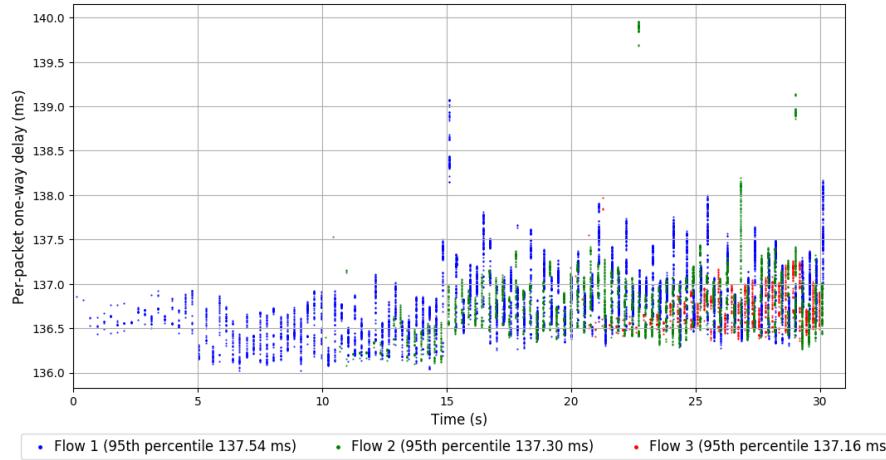
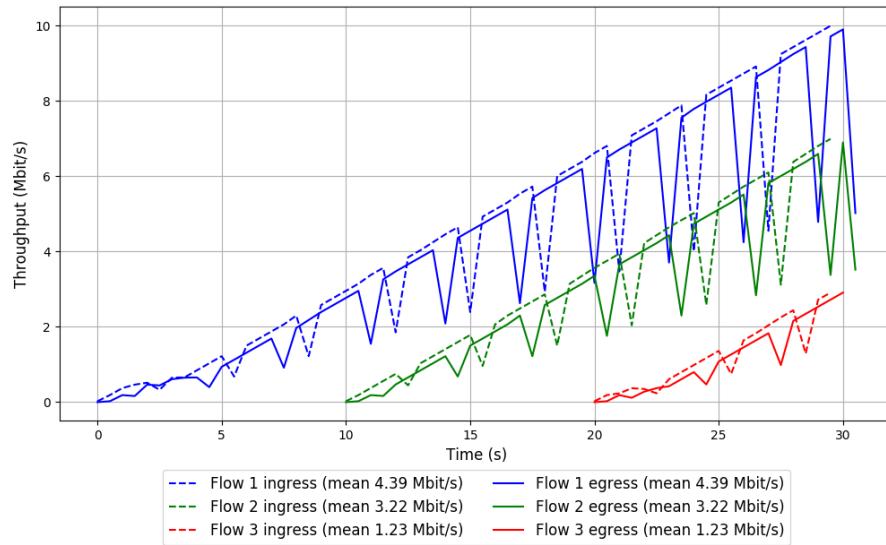


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-25 06:55:41
End at: 2018-05-25 06:56:11
Local clock offset: 0.019 ms
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 137.474 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 137.540 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 137.298 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 137.163 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

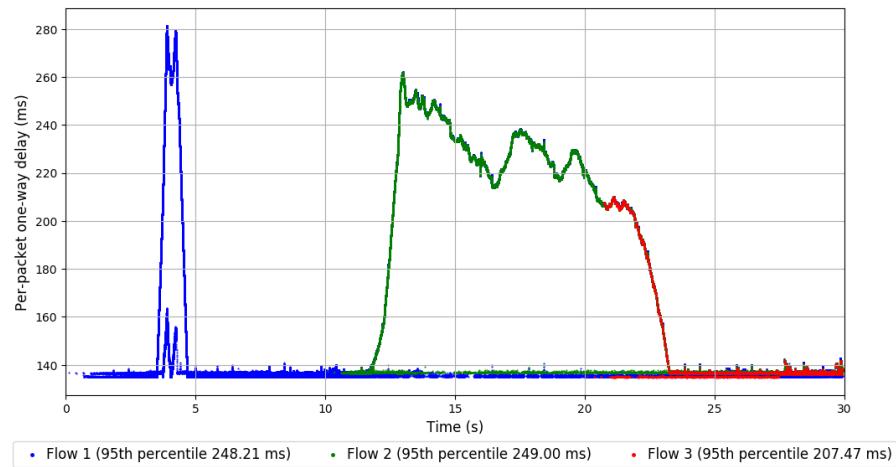
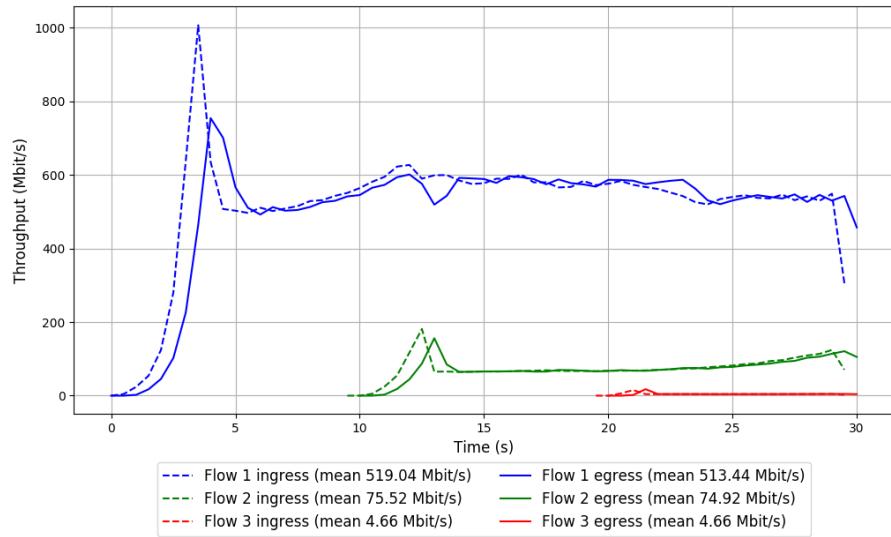


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-05-25 03:14:08
End at: 2018-05-25 03:14:38
Local clock offset: -0.127 ms
Remote clock offset: -0.218 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 564.88 Mbit/s
95th percentile per-packet one-way delay: 248.329 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 513.44 Mbit/s
95th percentile per-packet one-way delay: 248.205 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 74.92 Mbit/s
95th percentile per-packet one-way delay: 249.001 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 4.66 Mbit/s
95th percentile per-packet one-way delay: 207.471 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Allegro — Data Link

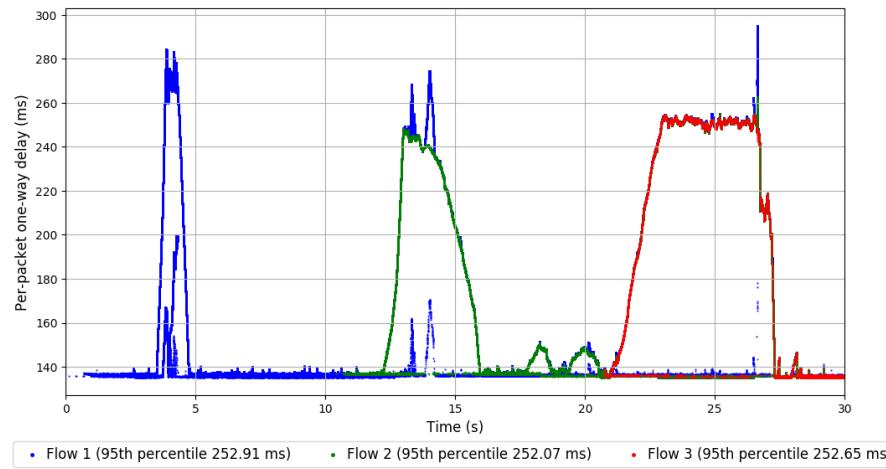
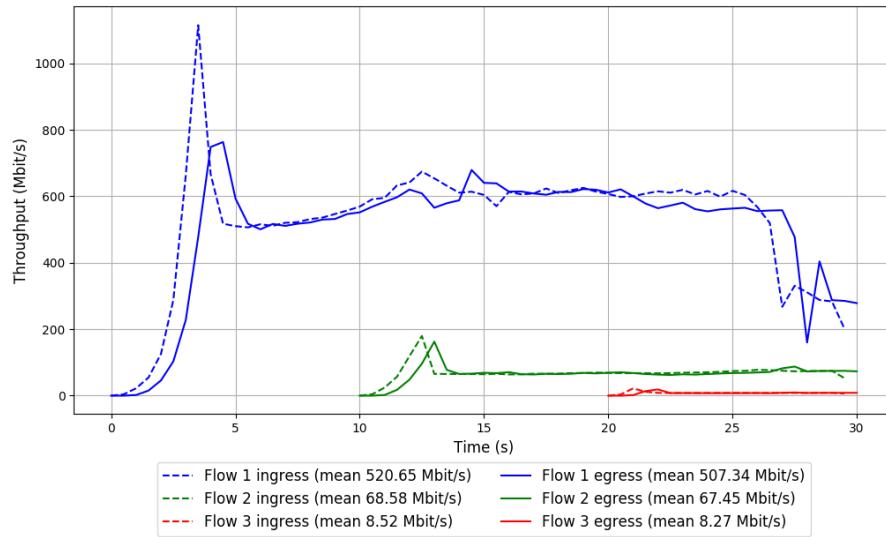


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-25 03:38:58
End at: 2018-05-25 03:39:28
Local clock offset: -0.339 ms
Remote clock offset: -0.214 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 554.90 Mbit/s
95th percentile per-packet one-way delay: 252.811 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 507.34 Mbit/s
95th percentile per-packet one-way delay: 252.909 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 67.45 Mbit/s
95th percentile per-packet one-way delay: 252.069 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 252.652 ms
Loss rate: 2.87%
```

Run 2: Report of PCC-Allegro — Data Link

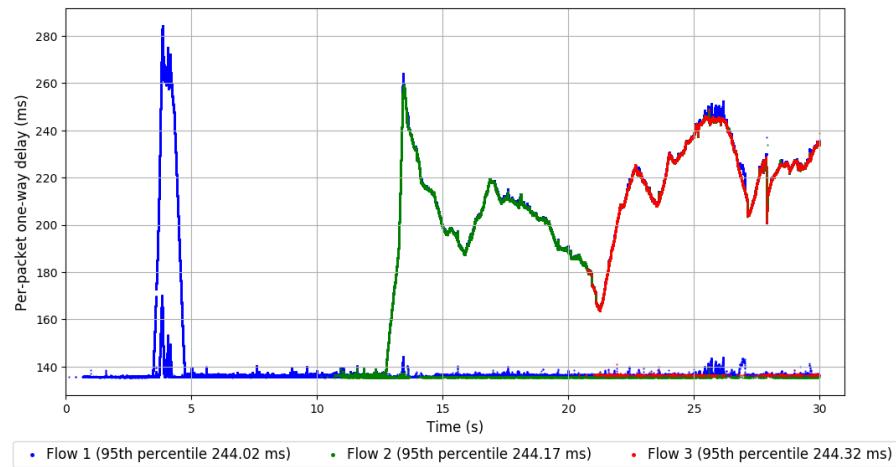
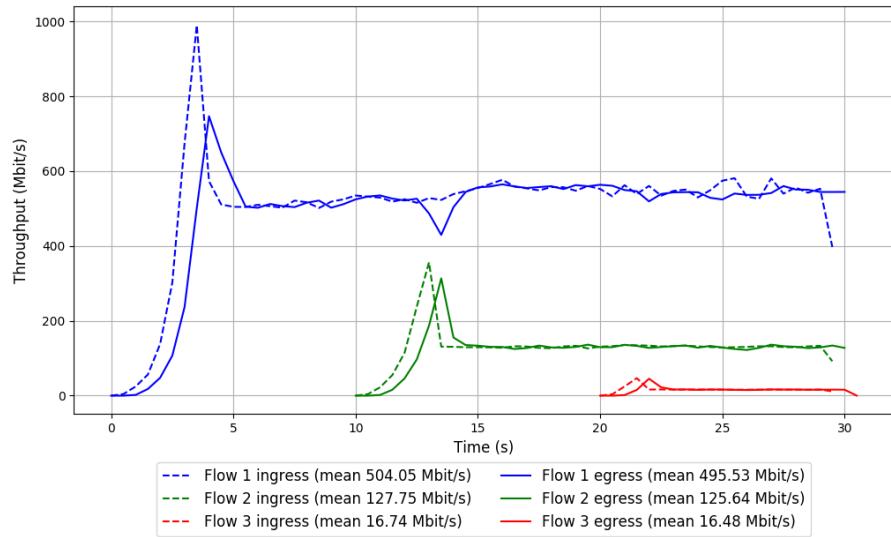


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-25 04:04:01
End at: 2018-05-25 04:04:31
Local clock offset: -0.189 ms
Remote clock offset: -0.54 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 584.40 Mbit/s
95th percentile per-packet one-way delay: 244.056 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 495.53 Mbit/s
95th percentile per-packet one-way delay: 244.019 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 125.64 Mbit/s
95th percentile per-packet one-way delay: 244.166 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 16.48 Mbit/s
95th percentile per-packet one-way delay: 244.318 ms
Loss rate: 1.44%
```

Run 3: Report of PCC-Allegro — Data Link

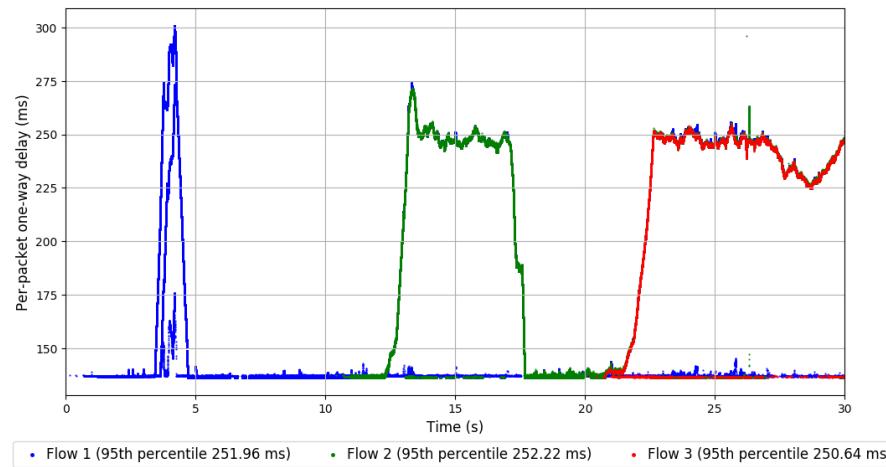
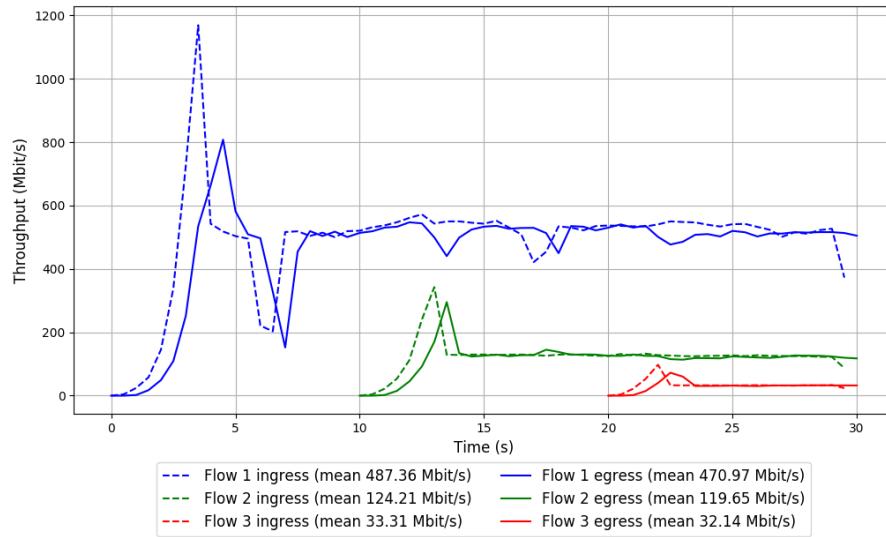


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-25 04:28:52
End at: 2018-05-25 04:29:22
Local clock offset: -0.161 ms
Remote clock offset: 0.281 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 561.05 Mbit/s
95th percentile per-packet one-way delay: 251.958 ms
Loss rate: 3.41%
-- Flow 1:
Average throughput: 470.97 Mbit/s
95th percentile per-packet one-way delay: 251.962 ms
Loss rate: 3.37%
-- Flow 2:
Average throughput: 119.65 Mbit/s
95th percentile per-packet one-way delay: 252.221 ms
Loss rate: 3.68%
-- Flow 3:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 250.638 ms
Loss rate: 3.50%
```

Run 4: Report of PCC-Allegro — Data Link

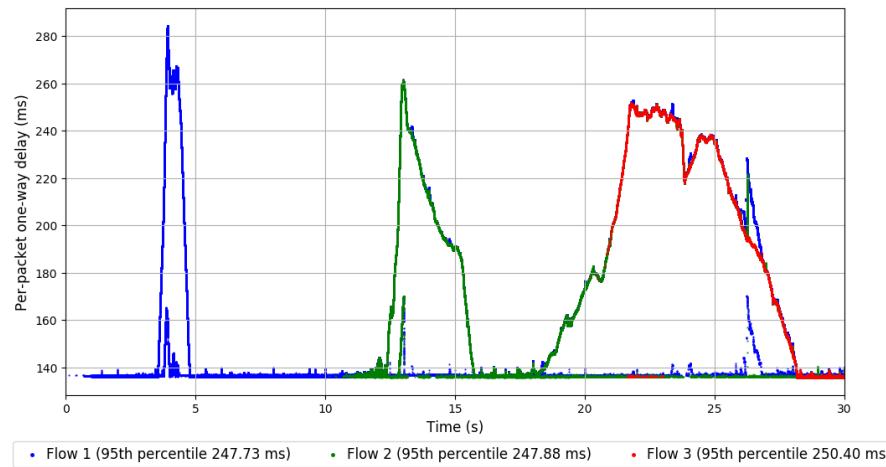
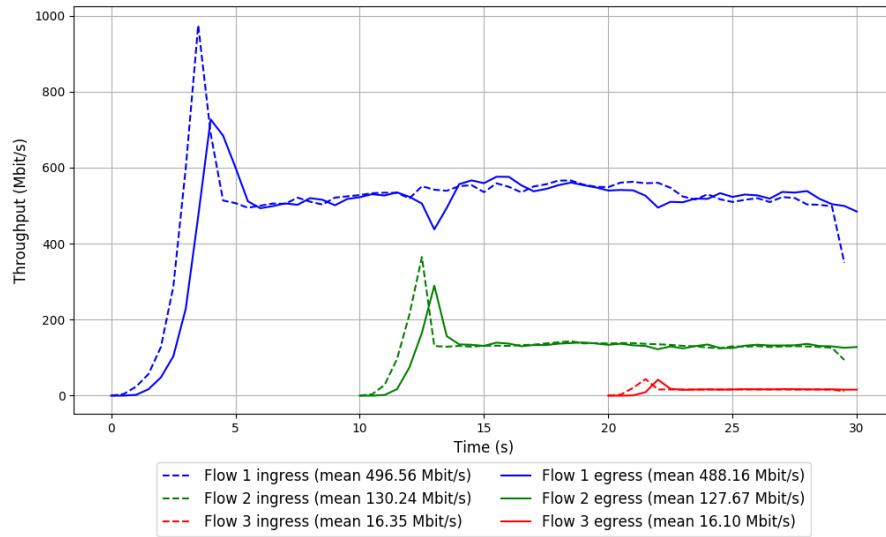


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-25 04:53:31
End at: 2018-05-25 04:54:01
Local clock offset: 0.015 ms
Remote clock offset: -0.225 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 578.30 Mbit/s
95th percentile per-packet one-way delay: 247.812 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 488.16 Mbit/s
95th percentile per-packet one-way delay: 247.726 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 127.67 Mbit/s
95th percentile per-packet one-way delay: 247.884 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 16.10 Mbit/s
95th percentile per-packet one-way delay: 250.403 ms
Loss rate: 2.01%
```

Run 5: Report of PCC-Allegro — Data Link

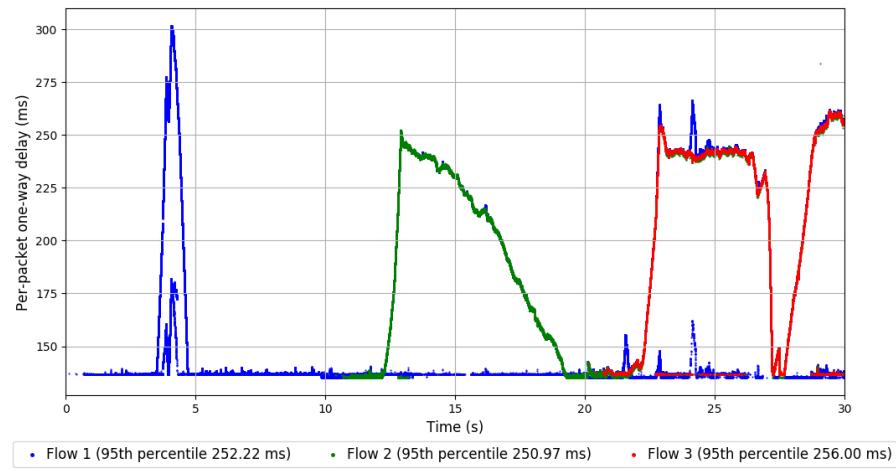
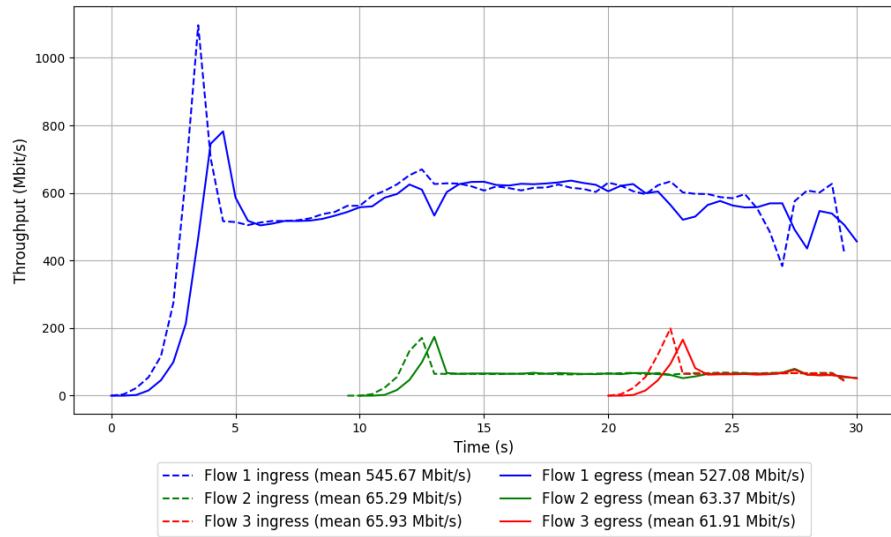


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-25 05:18:26
End at: 2018-05-25 05:18:56
Local clock offset: 0.121 ms
Remote clock offset: 0.187 ms

# Below is generated by plot.py at 2018-05-25 08:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 589.58 Mbit/s
95th percentile per-packet one-way delay: 252.683 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 527.08 Mbit/s
95th percentile per-packet one-way delay: 252.215 ms
Loss rate: 3.41%
-- Flow 2:
Average throughput: 63.37 Mbit/s
95th percentile per-packet one-way delay: 250.965 ms
Loss rate: 2.93%
-- Flow 3:
Average throughput: 61.91 Mbit/s
95th percentile per-packet one-way delay: 255.999 ms
Loss rate: 6.15%
```

Run 6: Report of PCC-Allegro — Data Link

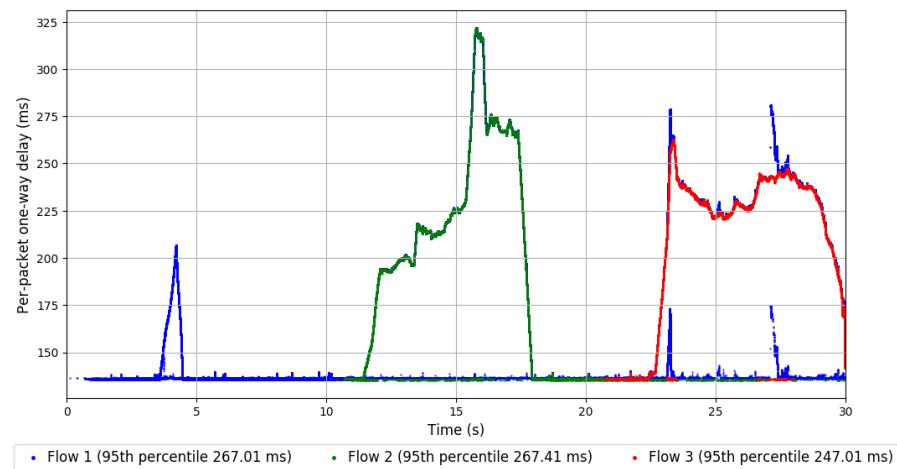
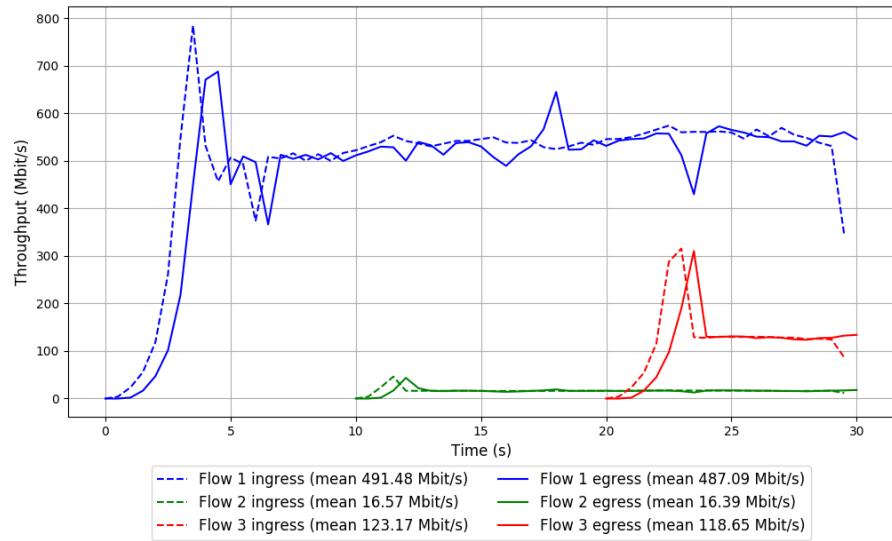


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-25 05:43:24
End at: 2018-05-25 05:43:54
Local clock offset: 0.242 ms
Remote clock offset: -0.176 ms

# Below is generated by plot.py at 2018-05-25 08:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 537.06 Mbit/s
95th percentile per-packet one-way delay: 266.756 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 487.09 Mbit/s
95th percentile per-packet one-way delay: 267.009 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 16.39 Mbit/s
95th percentile per-packet one-way delay: 267.412 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 118.65 Mbit/s
95th percentile per-packet one-way delay: 247.014 ms
Loss rate: 3.67%
```

Run 7: Report of PCC-Allegro — Data Link

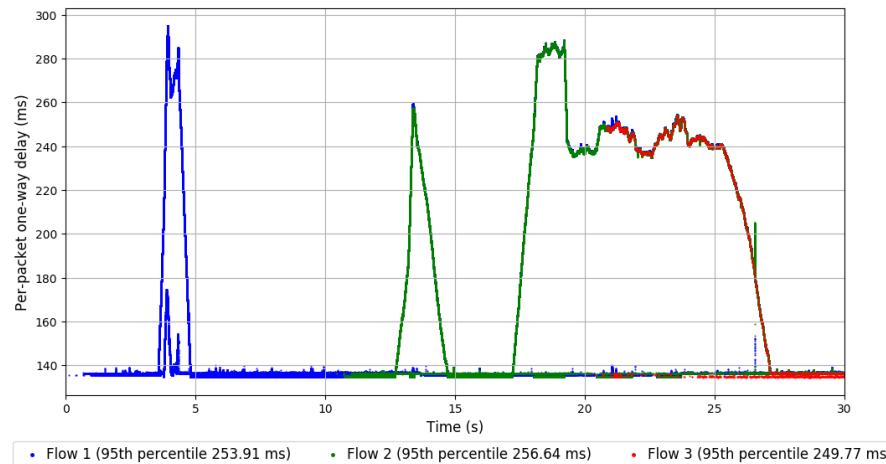
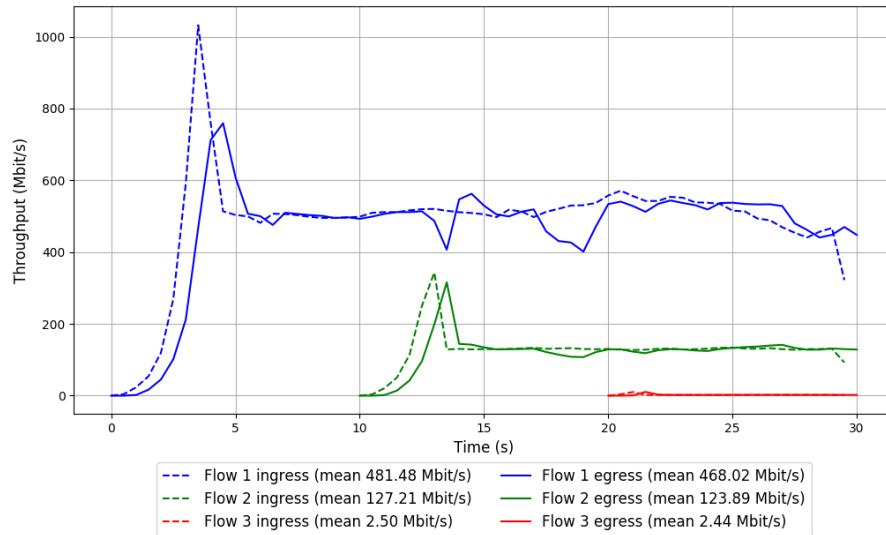


```
Run 8: Statistics of PCC-Allegro
```

```
Start at: 2018-05-25 06:08:22
End at: 2018-05-25 06:08:52
Local clock offset: 0.156 ms
Remote clock offset: -0.226 ms

# Below is generated by plot.py at 2018-05-25 08:28:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 551.08 Mbit/s
95th percentile per-packet one-way delay: 254.321 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 468.02 Mbit/s
95th percentile per-packet one-way delay: 253.910 ms
Loss rate: 2.79%
-- Flow 2:
Average throughput: 123.89 Mbit/s
95th percentile per-packet one-way delay: 256.644 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 249.766 ms
Loss rate: 2.34%
```

Run 8: Report of PCC-Allegro — Data Link

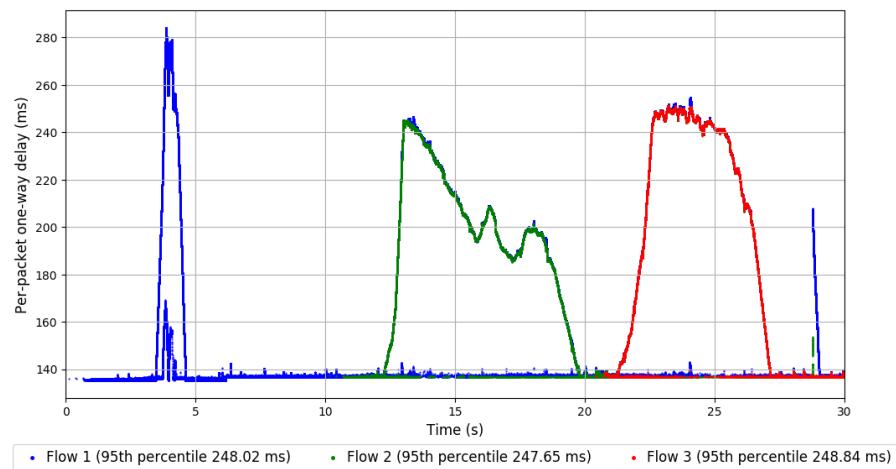
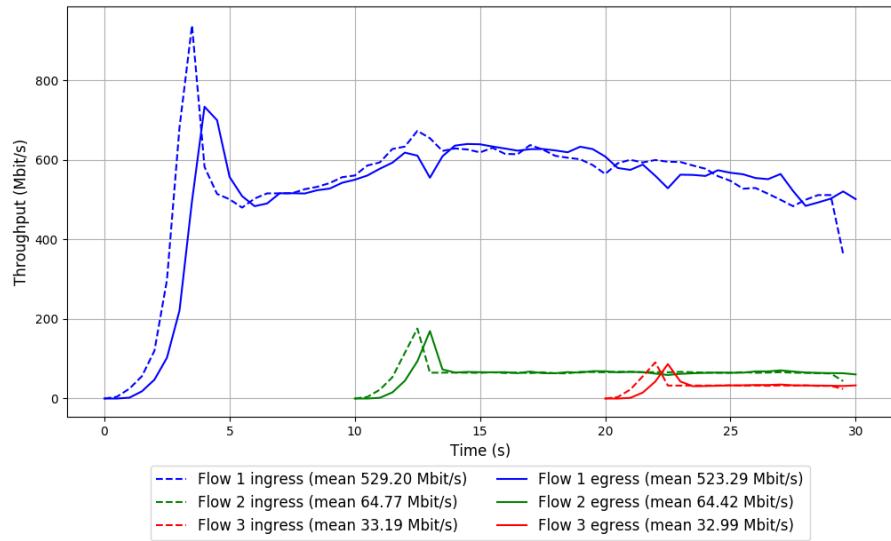


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-25 06:32:50
End at: 2018-05-25 06:33:20
Local clock offset: -0.245 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-05-25 08:29:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 576.95 Mbit/s
95th percentile per-packet one-way delay: 248.033 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 523.29 Mbit/s
95th percentile per-packet one-way delay: 248.019 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 64.42 Mbit/s
95th percentile per-packet one-way delay: 247.649 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 248.840 ms
Loss rate: 0.63%
```

Run 9: Report of PCC-Allegro — Data Link

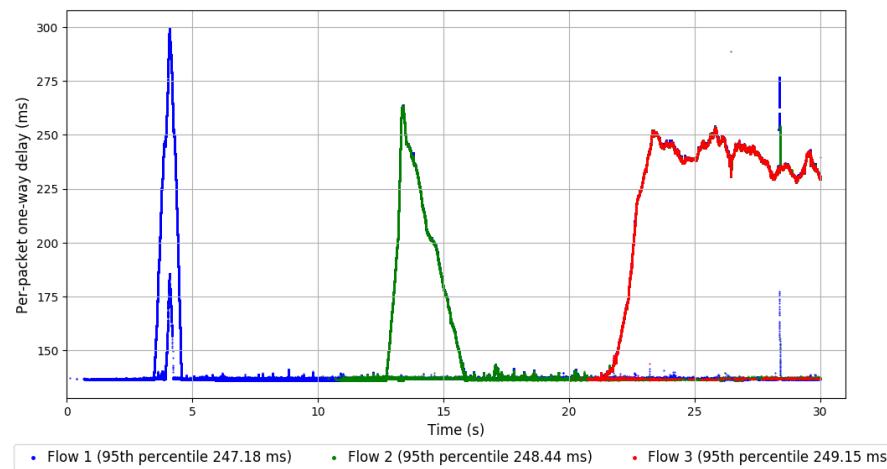
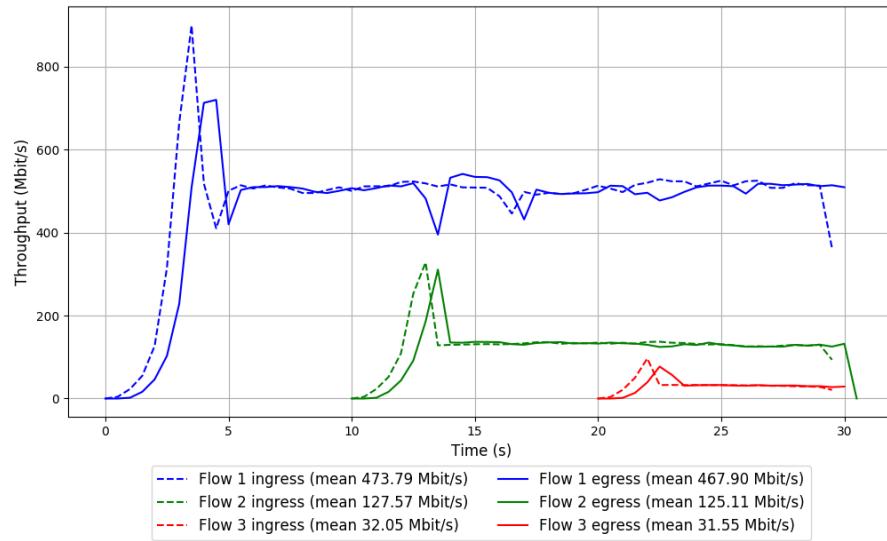


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-25 06:58:20
End at: 2018-05-25 06:58:50
Local clock offset: -0.119 ms
Remote clock offset: -0.145 ms

# Below is generated by plot.py at 2018-05-25 08:30:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 561.30 Mbit/s
95th percentile per-packet one-way delay: 247.438 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 467.90 Mbit/s
95th percentile per-packet one-way delay: 247.181 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 125.11 Mbit/s
95th percentile per-packet one-way delay: 248.441 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 249.148 ms
Loss rate: 1.54%
```

Run 10: Report of PCC-Allegro — Data Link

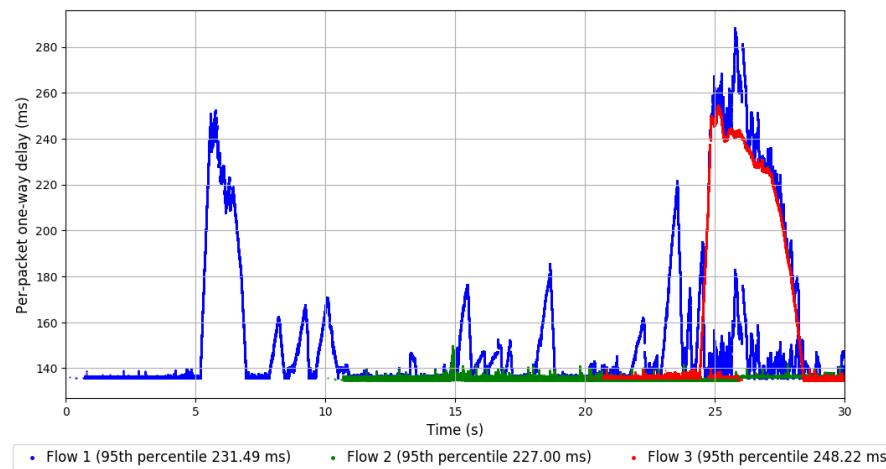
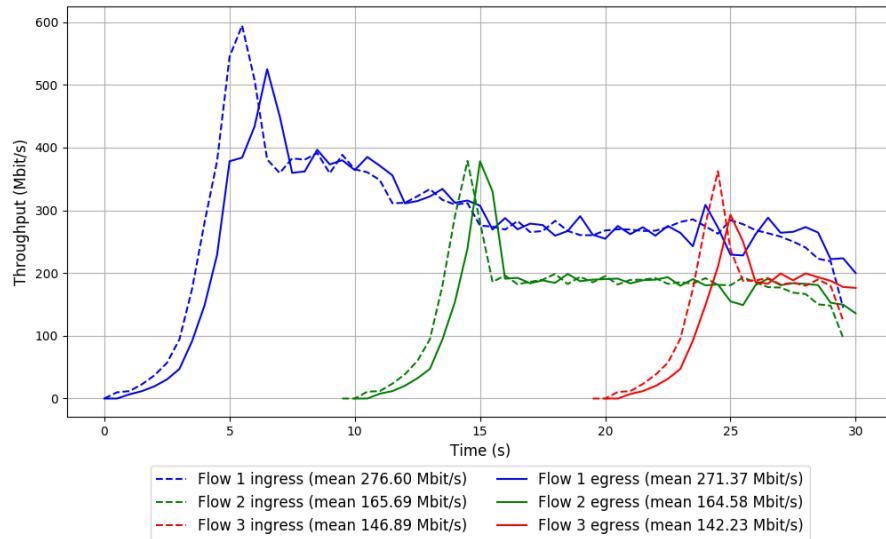


Run 1: Statistics of PCC-Expr

```
Start at: 2018-05-25 03:17:10
End at: 2018-05-25 03:17:40
Local clock offset: -0.156 ms
Remote clock offset: -0.515 ms

# Below is generated by plot.py at 2018-05-25 08:34:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 428.00 Mbit/s
95th percentile per-packet one-way delay: 240.051 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 271.37 Mbit/s
95th percentile per-packet one-way delay: 231.494 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 164.58 Mbit/s
95th percentile per-packet one-way delay: 227.000 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 142.23 Mbit/s
95th percentile per-packet one-way delay: 248.219 ms
Loss rate: 3.18%
```

Run 1: Report of PCC-Expr — Data Link

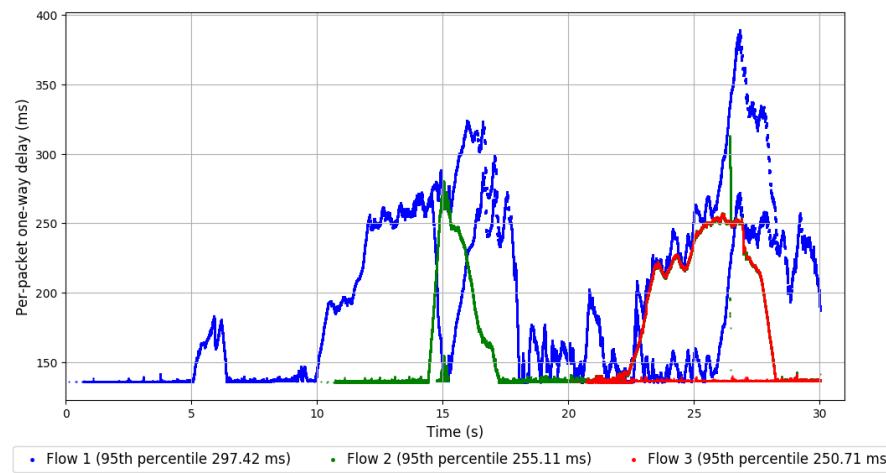
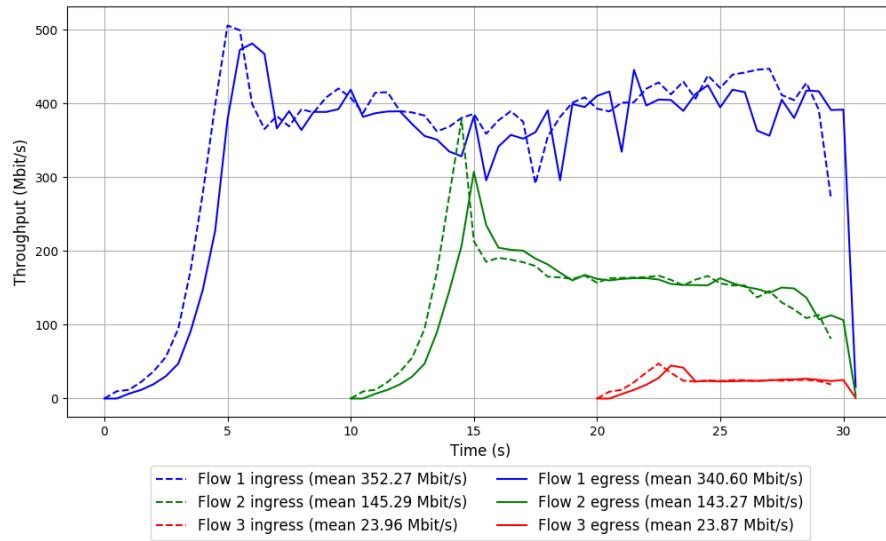


Run 2: Statistics of PCC-Expr

```
Start at: 2018-05-25 03:41:58
End at: 2018-05-25 03:42:28
Local clock offset: -0.187 ms
Remote clock offset: -0.2 ms

# Below is generated by plot.py at 2018-05-25 08:36:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 443.68 Mbit/s
95th percentile per-packet one-way delay: 278.307 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 340.60 Mbit/s
95th percentile per-packet one-way delay: 297.416 ms
Loss rate: 3.32%
-- Flow 2:
Average throughput: 143.27 Mbit/s
95th percentile per-packet one-way delay: 255.106 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 250.709 ms
Loss rate: 0.33%
```

Run 2: Report of PCC-Expr — Data Link

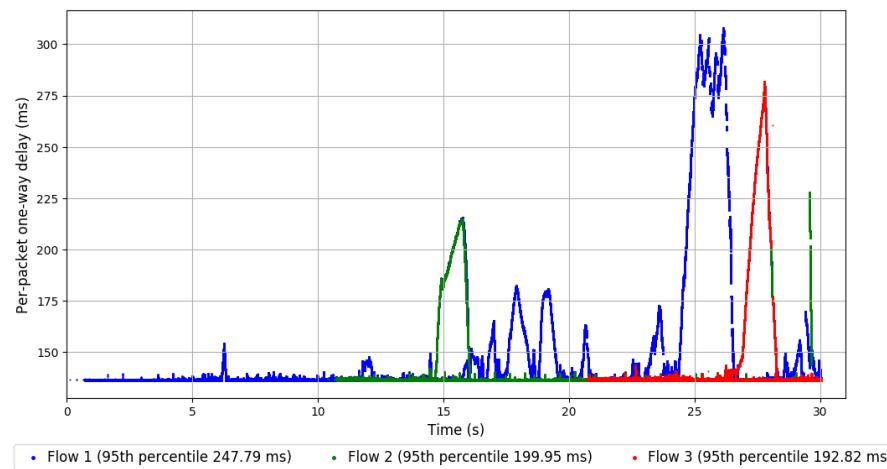
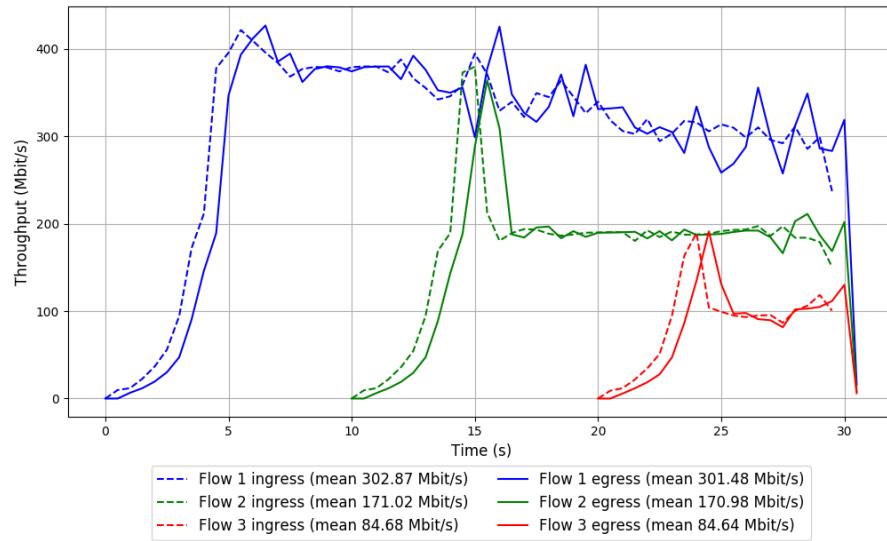


Run 3: Statistics of PCC-Expr

```
Start at: 2018-05-25 04:07:07
End at: 2018-05-25 04:07:37
Local clock offset: -0.068 ms
Remote clock offset: -0.136 ms

# Below is generated by plot.py at 2018-05-25 08:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 443.08 Mbit/s
95th percentile per-packet one-way delay: 217.368 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 301.48 Mbit/s
95th percentile per-packet one-way delay: 247.789 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 170.98 Mbit/s
95th percentile per-packet one-way delay: 199.946 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: 192.818 ms
Loss rate: 0.05%
```

Run 3: Report of PCC-Expr — Data Link

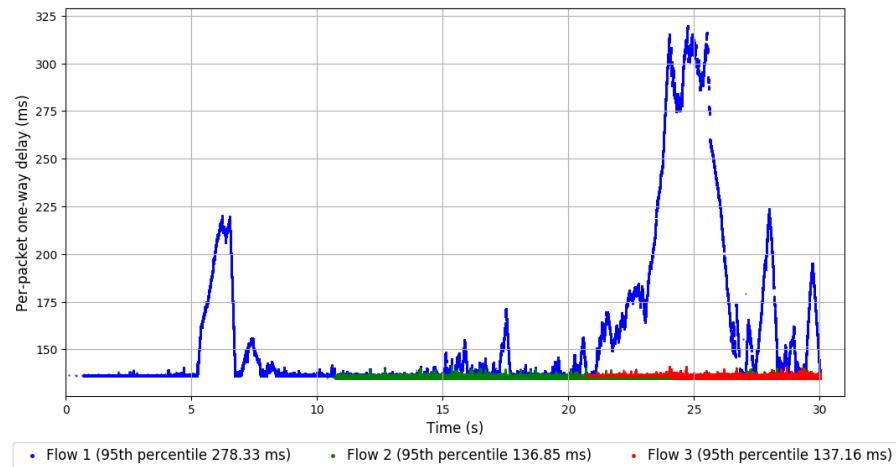
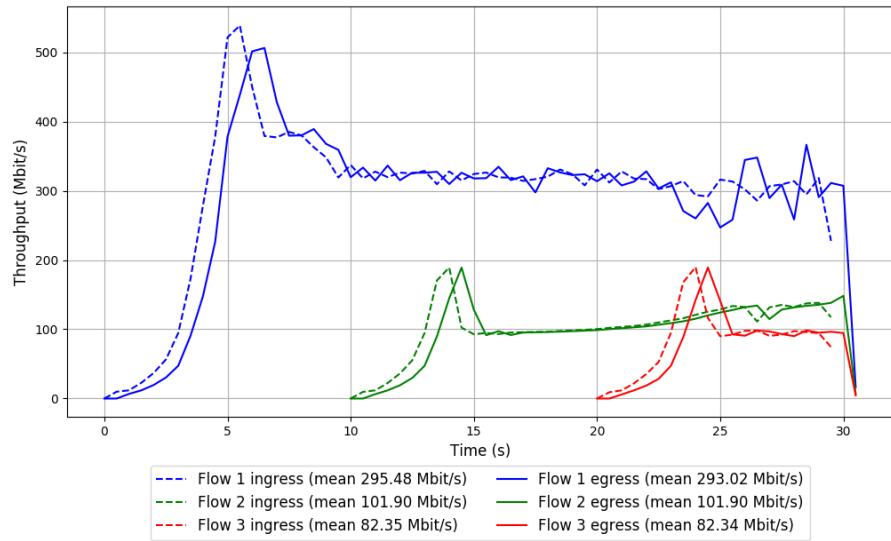


Run 4: Statistics of PCC-Expr

```
Start at: 2018-05-25 04:31:56
End at: 2018-05-25 04:32:26
Local clock offset: -0.041 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-05-25 08:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 387.93 Mbit/s
95th percentile per-packet one-way delay: 243.355 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 293.02 Mbit/s
95th percentile per-packet one-way delay: 278.327 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 101.90 Mbit/s
95th percentile per-packet one-way delay: 136.852 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 137.165 ms
Loss rate: 0.01%
```

Run 4: Report of PCC-Expr — Data Link

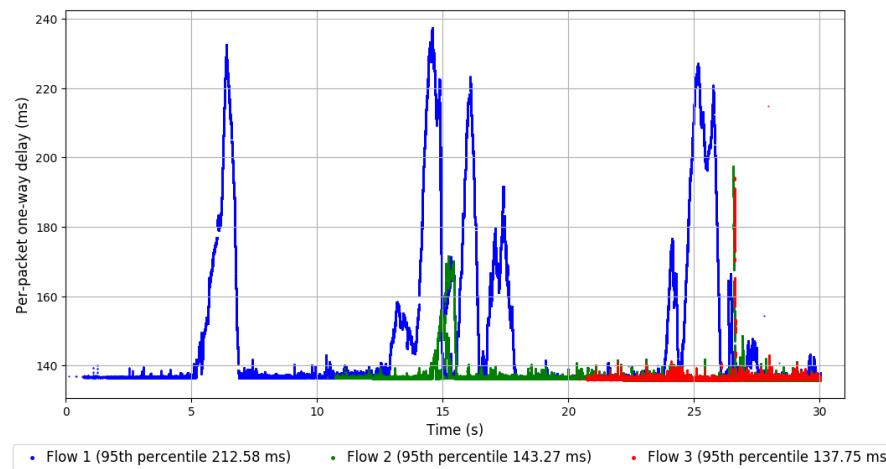
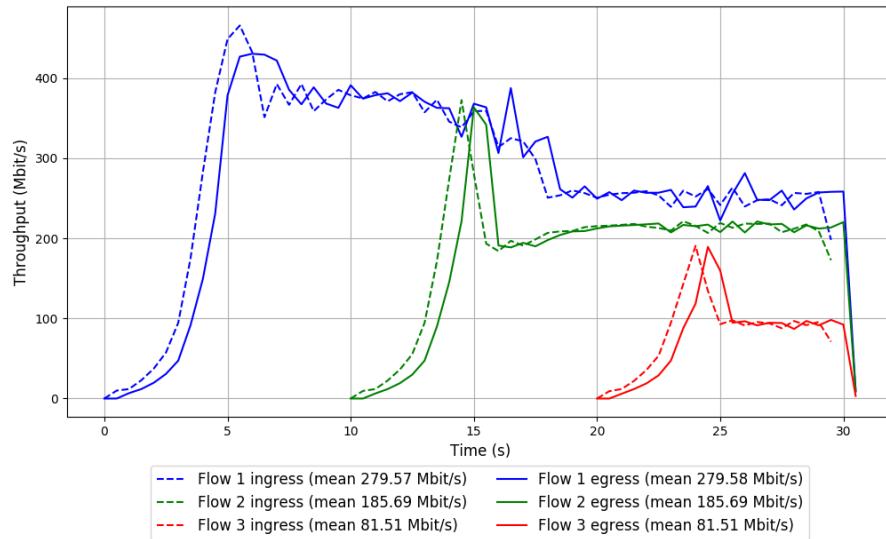


Run 5: Statistics of PCC-Expr

```
Start at: 2018-05-25 04:56:34
End at: 2018-05-25 04:57:04
Local clock offset: -0.266 ms
Remote clock offset: -0.14 ms

# Below is generated by plot.py at 2018-05-25 08:42:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 429.93 Mbit/s
95th percentile per-packet one-way delay: 202.835 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 279.58 Mbit/s
95th percentile per-packet one-way delay: 212.582 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 185.69 Mbit/s
95th percentile per-packet one-way delay: 143.269 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 81.51 Mbit/s
95th percentile per-packet one-way delay: 137.752 ms
Loss rate: 0.01%
```

Run 5: Report of PCC-Expr — Data Link

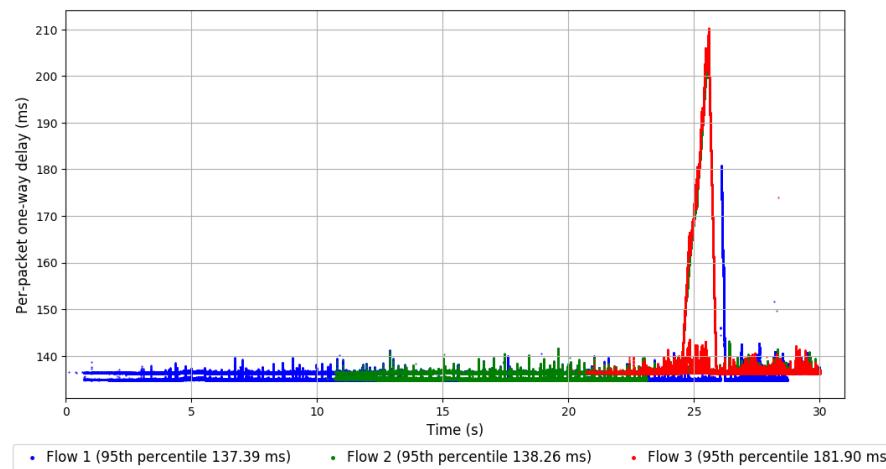
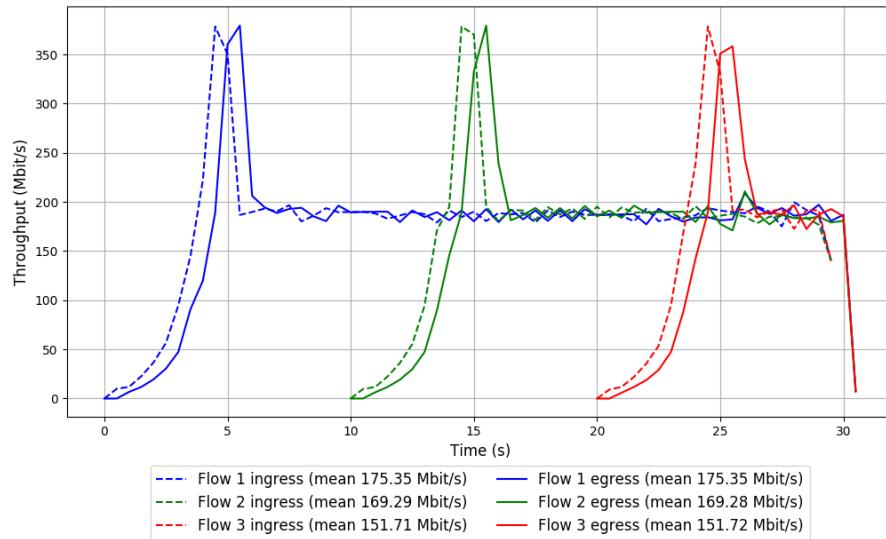


Run 6: Statistics of PCC-Expr

```
Start at: 2018-05-25 05:21:27
End at: 2018-05-25 05:21:57
Local clock offset: 0.189 ms
Remote clock offset: -0.168 ms

# Below is generated by plot.py at 2018-05-25 08:42:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 337.97 Mbit/s
95th percentile per-packet one-way delay: 141.840 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.35 Mbit/s
95th percentile per-packet one-way delay: 137.394 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 169.28 Mbit/s
95th percentile per-packet one-way delay: 138.256 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 151.72 Mbit/s
95th percentile per-packet one-way delay: 181.901 ms
Loss rate: 0.01%
```

Run 6: Report of PCC-Expr — Data Link

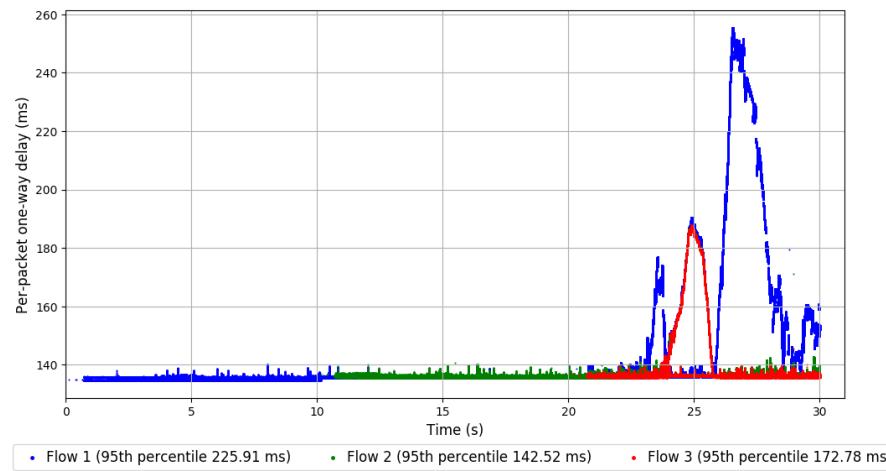
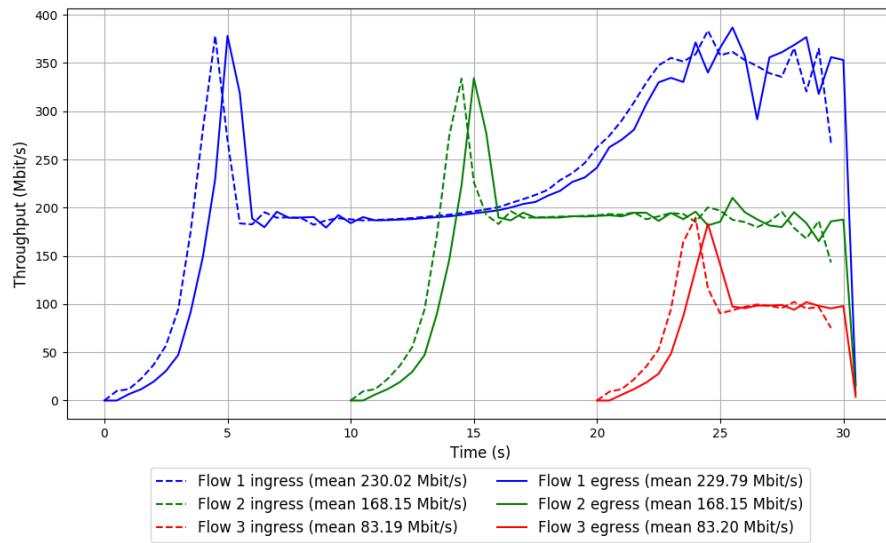


Run 7: Statistics of PCC-Expr

```
Start at: 2018-05-25 05:46:26
End at: 2018-05-25 05:46:56
Local clock offset: 0.324 ms
Remote clock offset: -0.183 ms

# Below is generated by plot.py at 2018-05-25 08:42:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 369.05 Mbit/s
95th percentile per-packet one-way delay: 190.457 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 229.79 Mbit/s
95th percentile per-packet one-way delay: 225.913 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 168.15 Mbit/s
95th percentile per-packet one-way delay: 142.518 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 83.20 Mbit/s
95th percentile per-packet one-way delay: 172.782 ms
Loss rate: 0.00%
```

Run 7: Report of PCC-Expr — Data Link

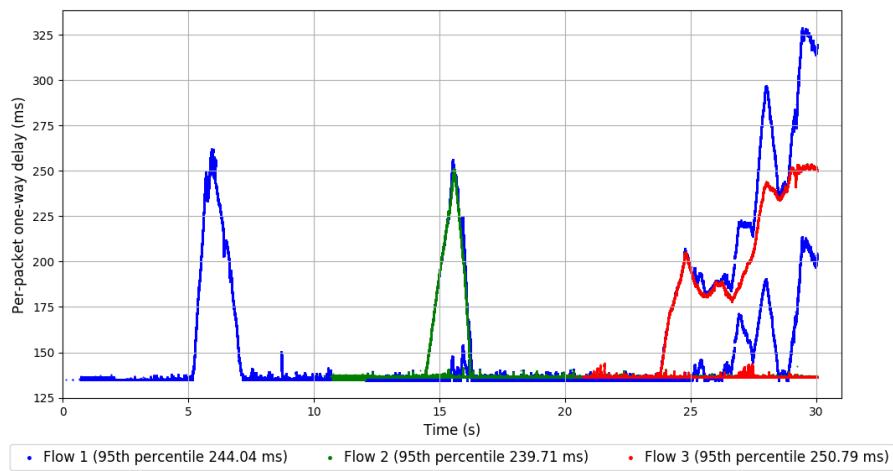
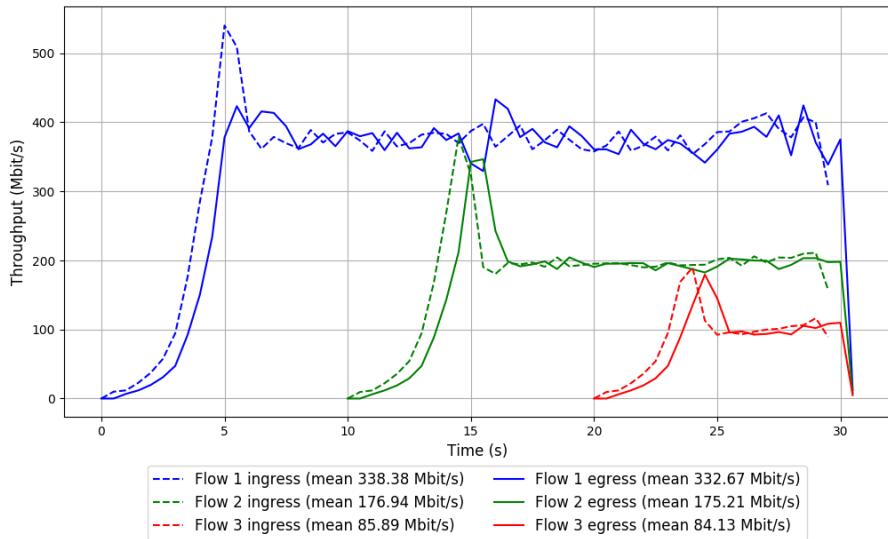


Run 8: Statistics of PCC-Expr

```
Start at: 2018-05-25 06:11:24
End at: 2018-05-25 06:11:54
Local clock offset: 0.04 ms
Remote clock offset: -0.223 ms

# Below is generated by plot.py at 2018-05-25 08:47:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 476.92 Mbit/s
95th percentile per-packet one-way delay: 242.963 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 332.67 Mbit/s
95th percentile per-packet one-way delay: 244.037 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 175.21 Mbit/s
95th percentile per-packet one-way delay: 239.709 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 84.13 Mbit/s
95th percentile per-packet one-way delay: 250.787 ms
Loss rate: 2.07%
```

Run 8: Report of PCC-Expr — Data Link

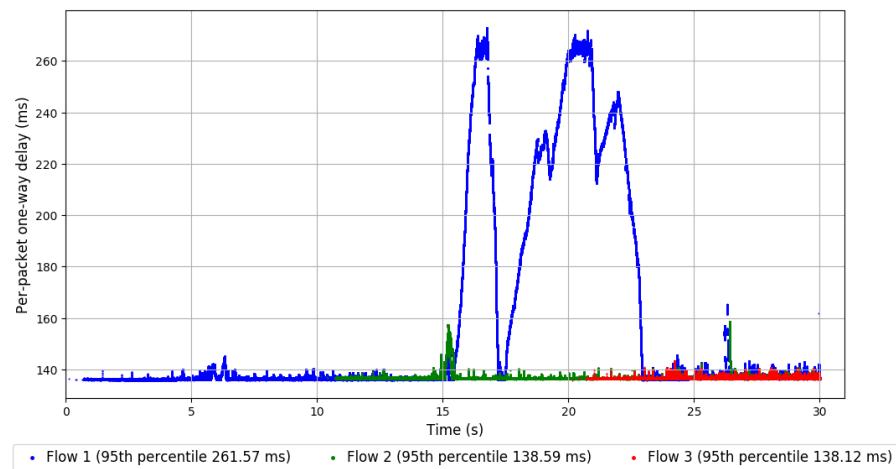
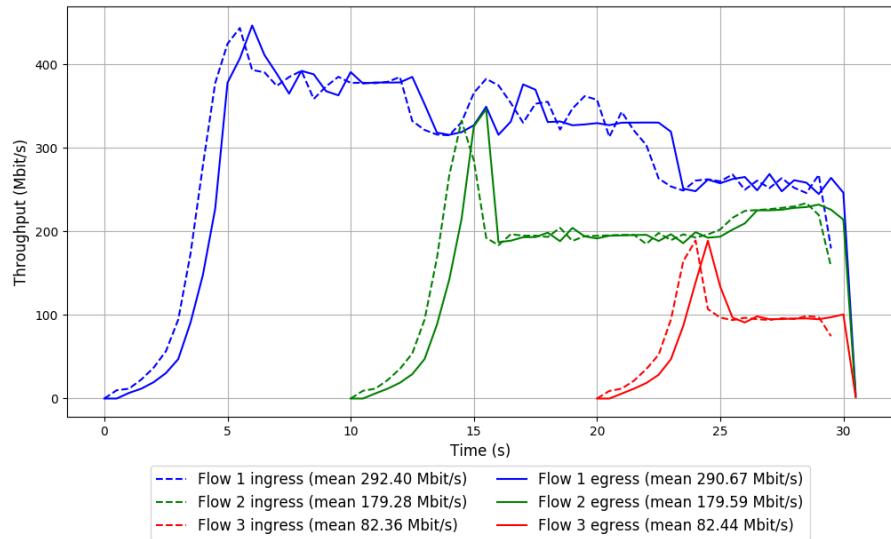


Run 9: Statistics of PCC-Expr

```
Start at: 2018-05-25 06:35:56
End at: 2018-05-25 06:36:26
Local clock offset: 0.048 ms
Remote clock offset: -0.123 ms

# Below is generated by plot.py at 2018-05-25 08:50:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 437.20 Mbit/s
95th percentile per-packet one-way delay: 245.678 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 290.67 Mbit/s
95th percentile per-packet one-way delay: 261.566 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 179.59 Mbit/s
95th percentile per-packet one-way delay: 138.590 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 82.44 Mbit/s
95th percentile per-packet one-way delay: 138.118 ms
Loss rate: 0.01%
```

Run 9: Report of PCC-Expr — Data Link

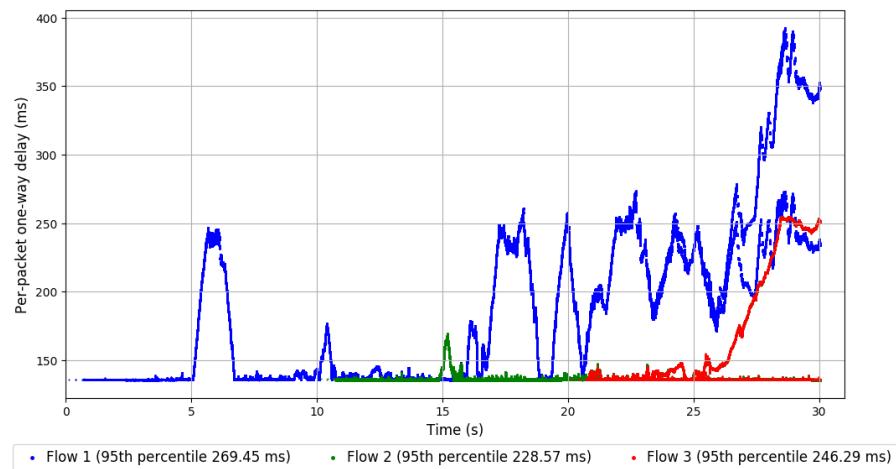
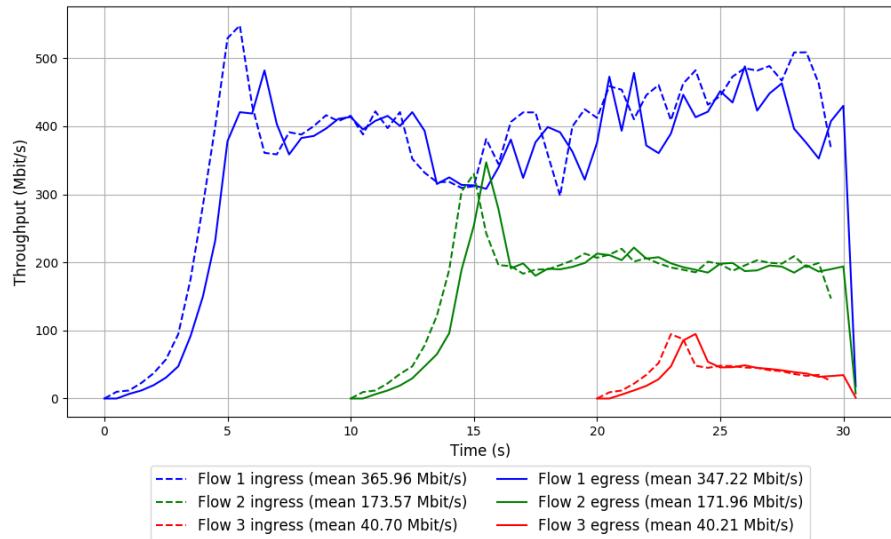


Run 10: Statistics of PCC-Expr

```
Start at: 2018-05-25 07:01:21
End at: 2018-05-25 07:01:51
Local clock offset: -0.081 ms
Remote clock offset: -0.549 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 474.83 Mbit/s
95th percentile per-packet one-way delay: 257.370 ms
Loss rate: 4.03%
-- Flow 1:
Average throughput: 347.22 Mbit/s
95th percentile per-packet one-way delay: 269.451 ms
Loss rate: 5.12%
-- Flow 2:
Average throughput: 171.96 Mbit/s
95th percentile per-packet one-way delay: 228.575 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 246.289 ms
Loss rate: 1.19%
```

Run 10: Report of PCC-Expr — Data Link

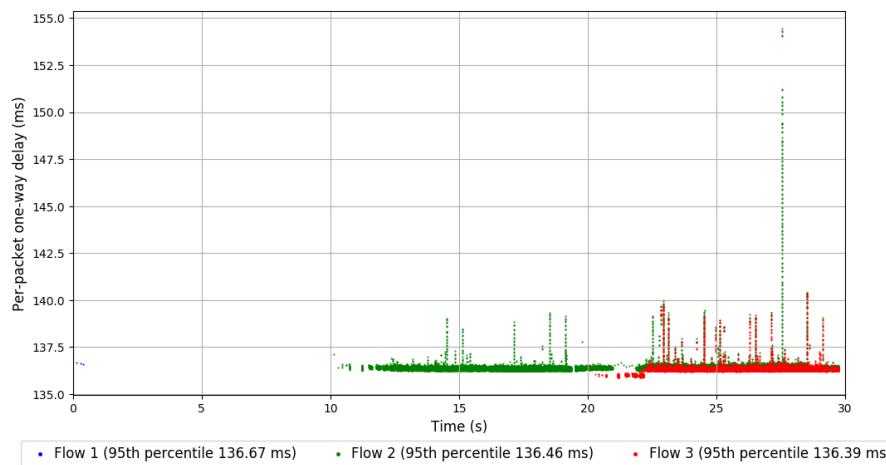
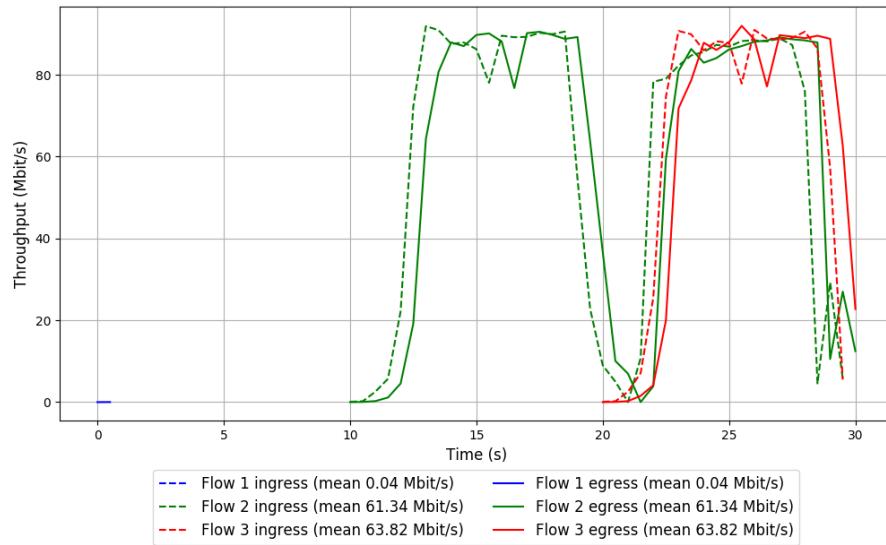


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-05-25 03:07:23
End at: 2018-05-25 03:07:53
Local clock offset: 0.078 ms
Remote clock offset: -0.189 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.35 Mbit/s
95th percentile per-packet one-way delay: 136.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 136.671 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.34 Mbit/s
95th percentile per-packet one-way delay: 136.461 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.82 Mbit/s
95th percentile per-packet one-way delay: 136.387 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

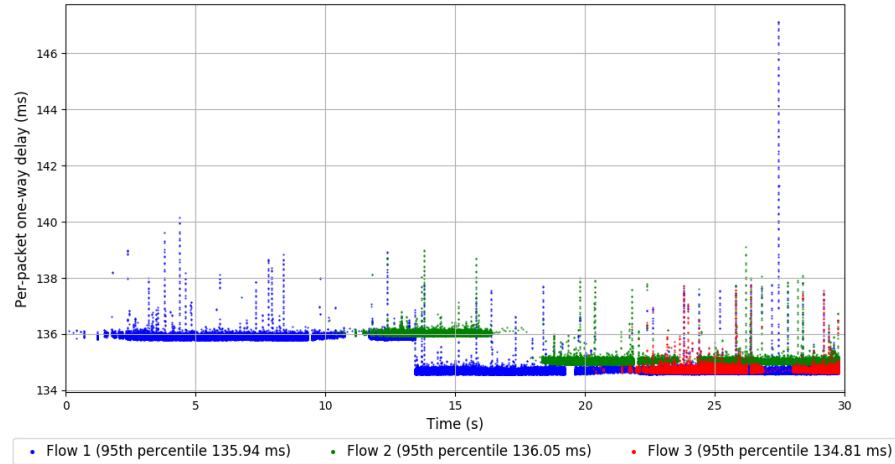
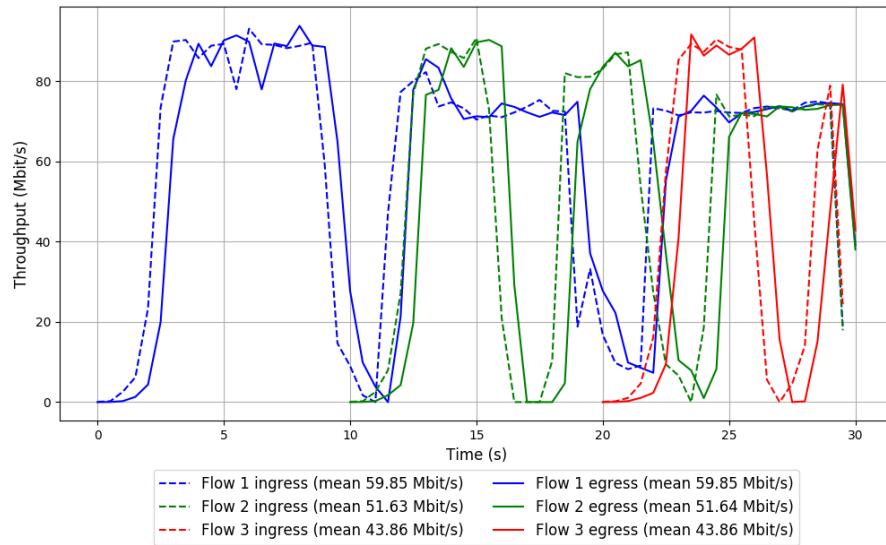


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-25 03:32:22
End at: 2018-05-25 03:32:52
Local clock offset: -0.059 ms
Remote clock offset: -0.172 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 108.28 Mbit/s
95th percentile per-packet one-way delay: 136.002 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.85 Mbit/s
95th percentile per-packet one-way delay: 135.937 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.64 Mbit/s
95th percentile per-packet one-way delay: 136.047 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.86 Mbit/s
95th percentile per-packet one-way delay: 134.813 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

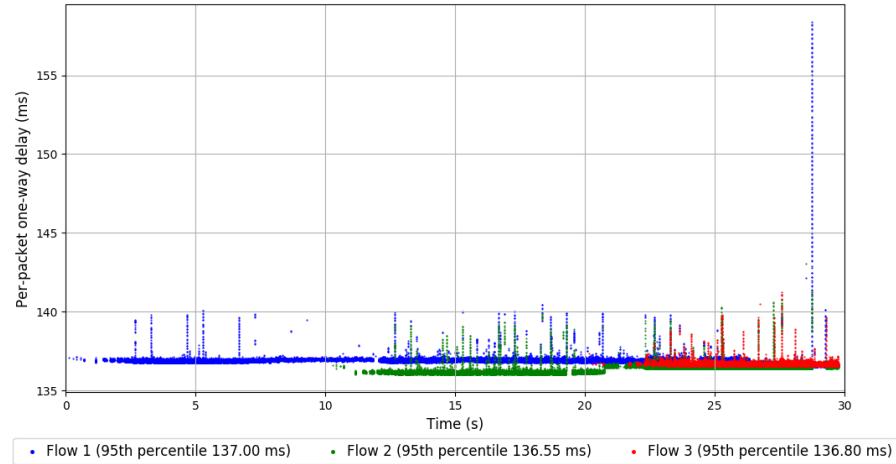
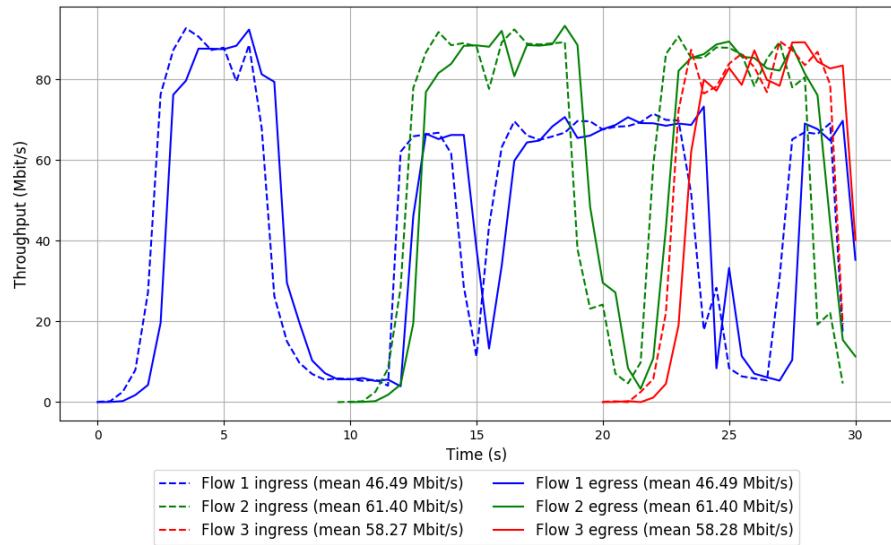


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-25 03:56:59
End at: 2018-05-25 03:57:29
Local clock offset: -0.232 ms
Remote clock offset: -0.141 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 106.08 Mbit/s
95th percentile per-packet one-way delay: 136.955 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.49 Mbit/s
95th percentile per-packet one-way delay: 136.996 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.40 Mbit/s
95th percentile per-packet one-way delay: 136.546 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.28 Mbit/s
95th percentile per-packet one-way delay: 136.804 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

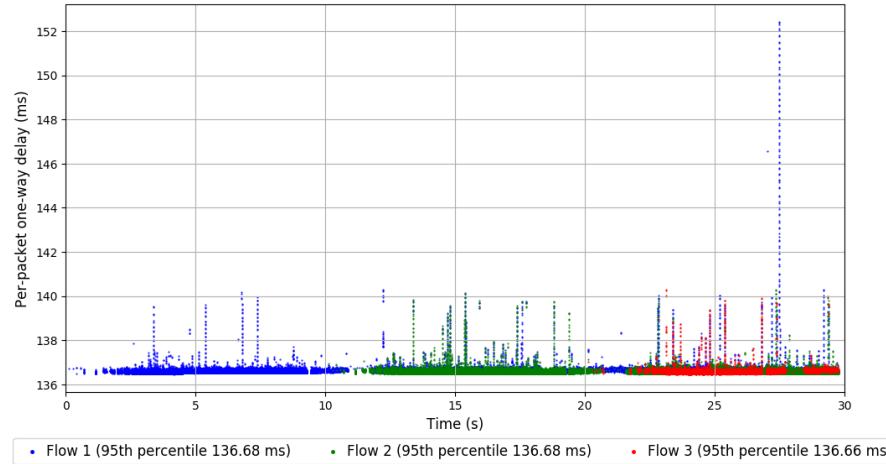
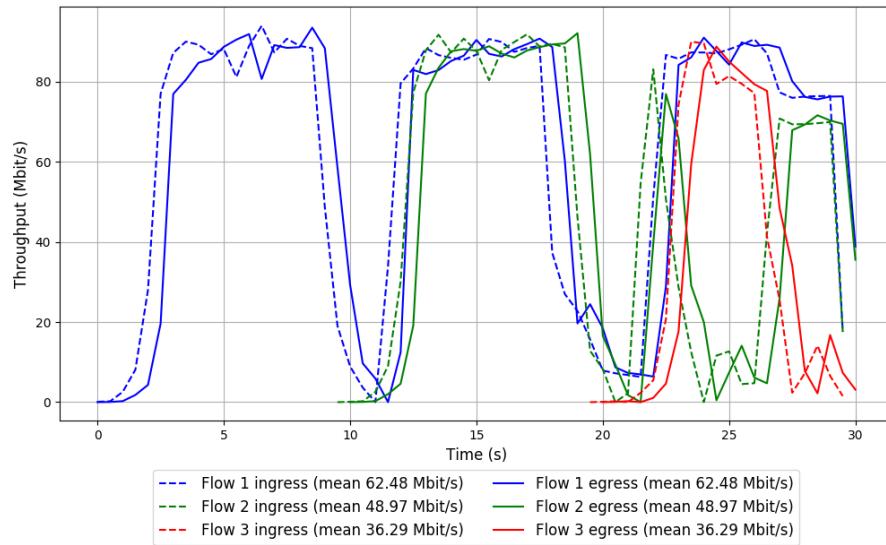


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-25 04:22:11
End at: 2018-05-25 04:22:41
Local clock offset: -0.162 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 106.72 Mbit/s
95th percentile per-packet one-way delay: 136.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.48 Mbit/s
95th percentile per-packet one-way delay: 136.683 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.97 Mbit/s
95th percentile per-packet one-way delay: 136.678 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.29 Mbit/s
95th percentile per-packet one-way delay: 136.656 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

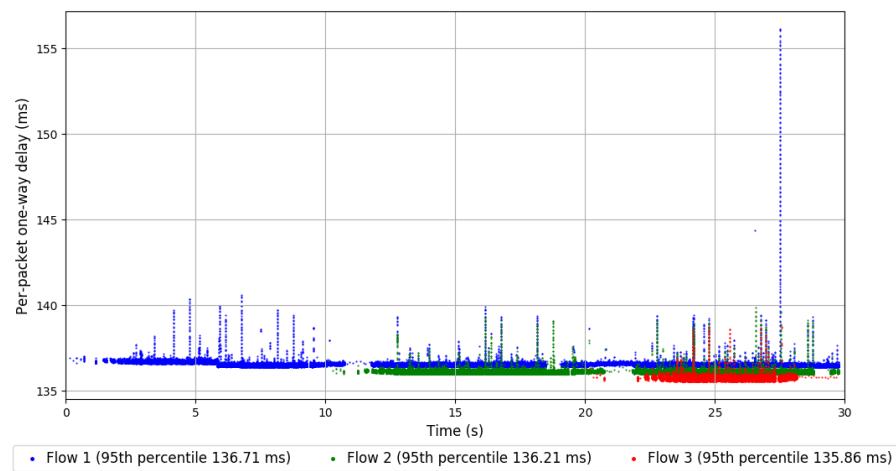
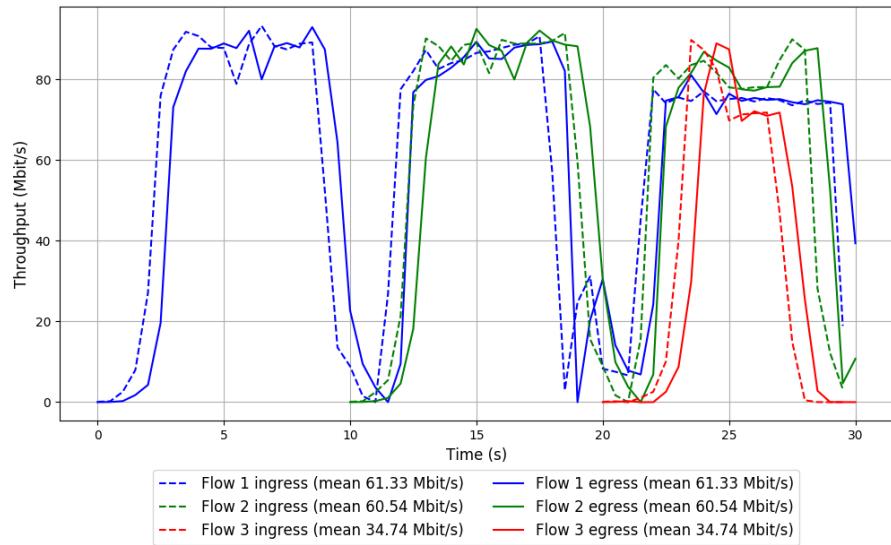


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-25 04:46:50
End at: 2018-05-25 04:47:20
Local clock offset: -0.051 ms
Remote clock offset: -0.156 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 112.58 Mbit/s
95th percentile per-packet one-way delay: 136.674 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.33 Mbit/s
95th percentile per-packet one-way delay: 136.705 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.54 Mbit/s
95th percentile per-packet one-way delay: 136.209 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 135.859 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

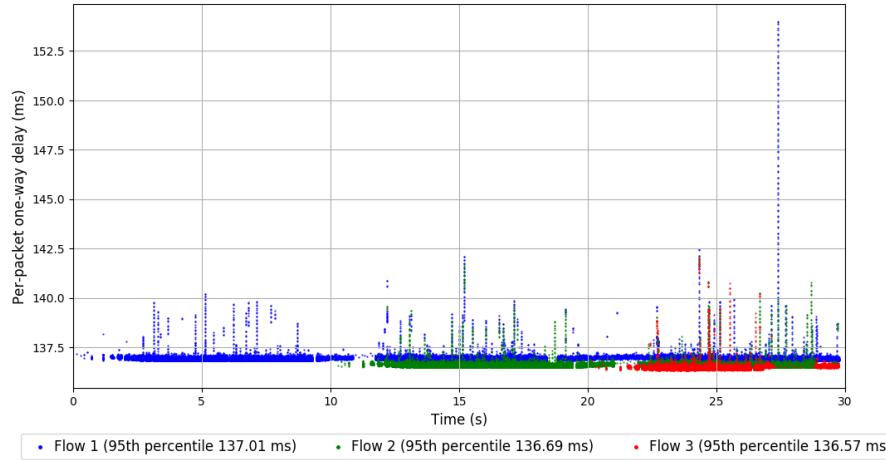
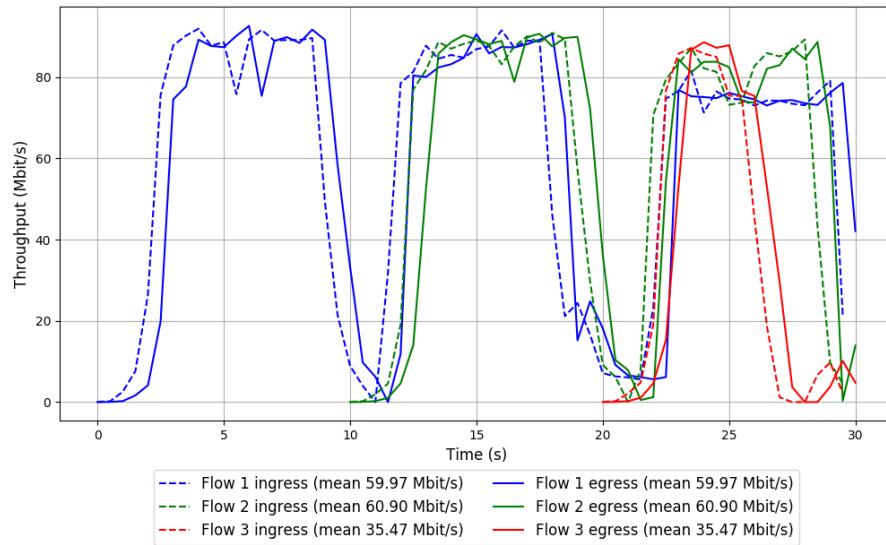


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-25 05:11:39
End at: 2018-05-25 05:12:09
Local clock offset: -0.486 ms
Remote clock offset: -0.576 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 111.70 Mbit/s
95th percentile per-packet one-way delay: 136.983 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.97 Mbit/s
95th percentile per-packet one-way delay: 137.008 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.90 Mbit/s
95th percentile per-packet one-way delay: 136.691 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 136.570 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

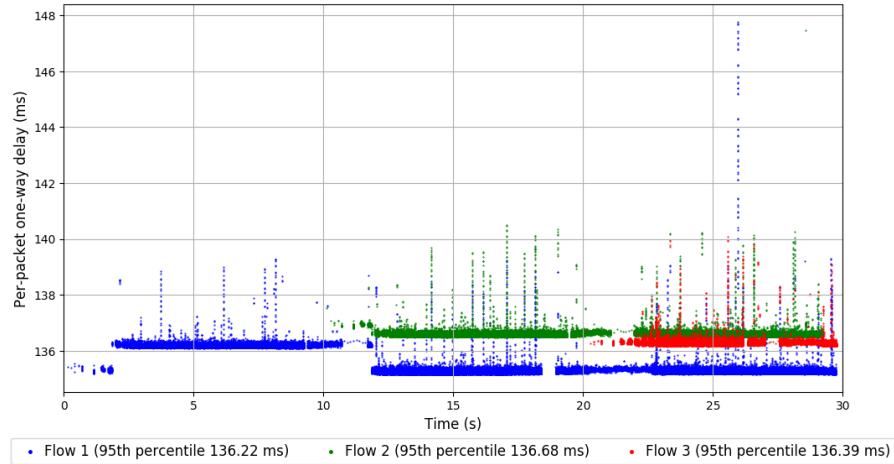
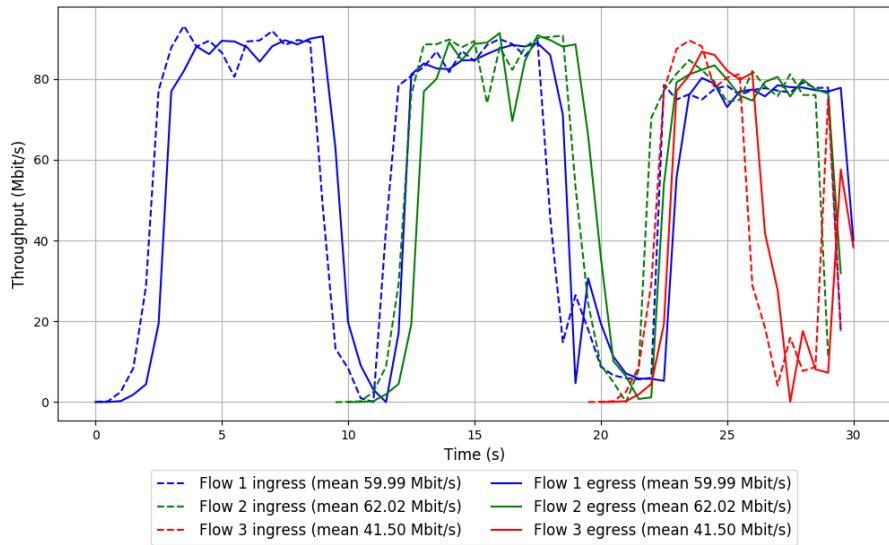


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-25 05:36:14
End at: 2018-05-25 05:36:44
Local clock offset: 0.187 ms
Remote clock offset: 0.189 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 113.42 Mbit/s
95th percentile per-packet one-way delay: 136.630 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.99 Mbit/s
95th percentile per-packet one-way delay: 136.223 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.02 Mbit/s
95th percentile per-packet one-way delay: 136.677 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.50 Mbit/s
95th percentile per-packet one-way delay: 136.392 ms
Loss rate: 0.00%
```

Run 7: Report of QUIC Cubic — Data Link

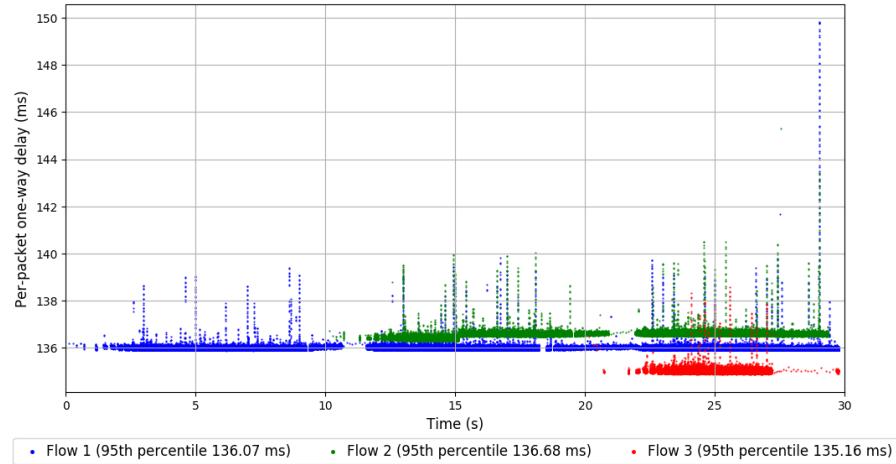
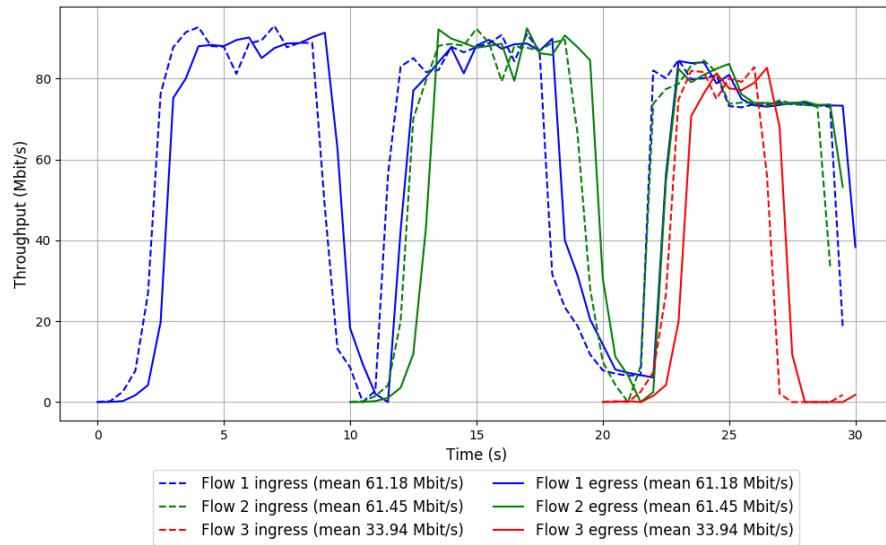


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-25 06:01:35
End at: 2018-05-25 06:02:05
Local clock offset: 0.013 ms
Remote clock offset: -0.191 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 112.06 Mbit/s
95th percentile per-packet one-way delay: 136.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.18 Mbit/s
95th percentile per-packet one-way delay: 136.073 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.45 Mbit/s
95th percentile per-packet one-way delay: 136.682 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.94 Mbit/s
95th percentile per-packet one-way delay: 135.157 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

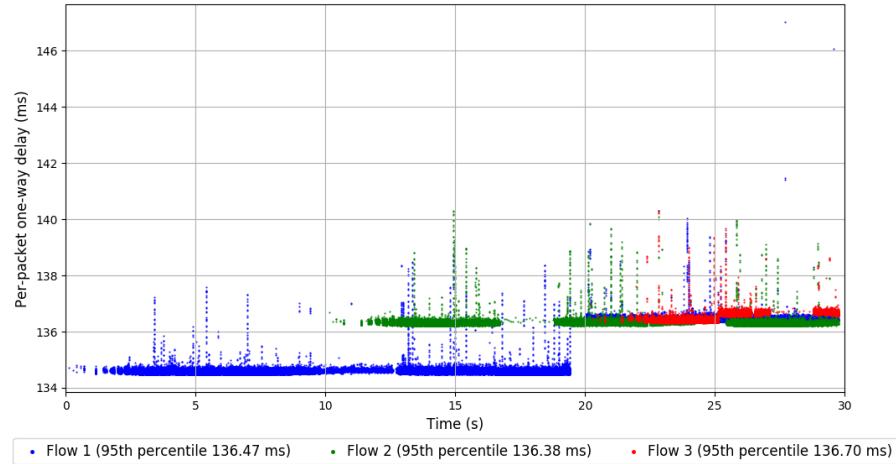
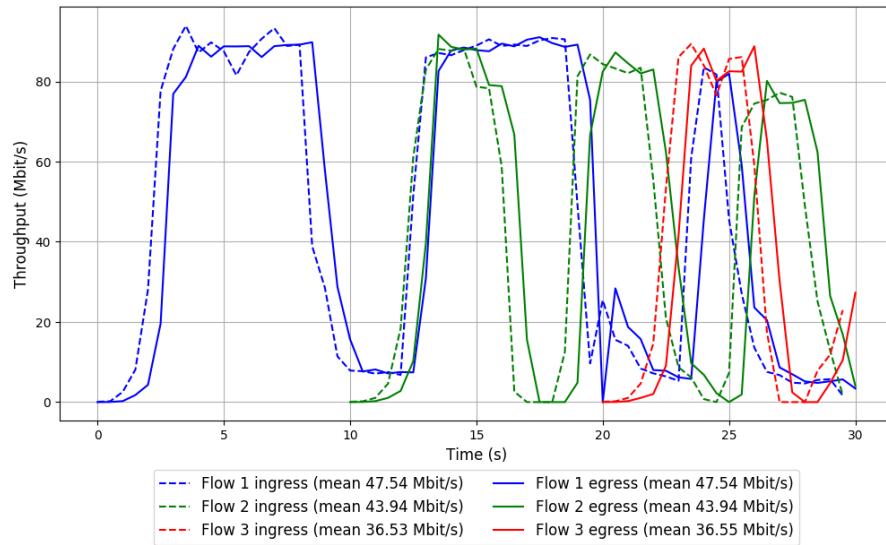


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-25 06:26:10
End at: 2018-05-25 06:26:40
Local clock offset: 0.105 ms
Remote clock offset: -0.147 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.45 Mbit/s
95th percentile per-packet one-way delay: 136.584 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.54 Mbit/s
95th percentile per-packet one-way delay: 136.470 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.94 Mbit/s
95th percentile per-packet one-way delay: 136.384 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.55 Mbit/s
95th percentile per-packet one-way delay: 136.696 ms
Loss rate: 0.01%
```

Run 9: Report of QUIC Cubic — Data Link

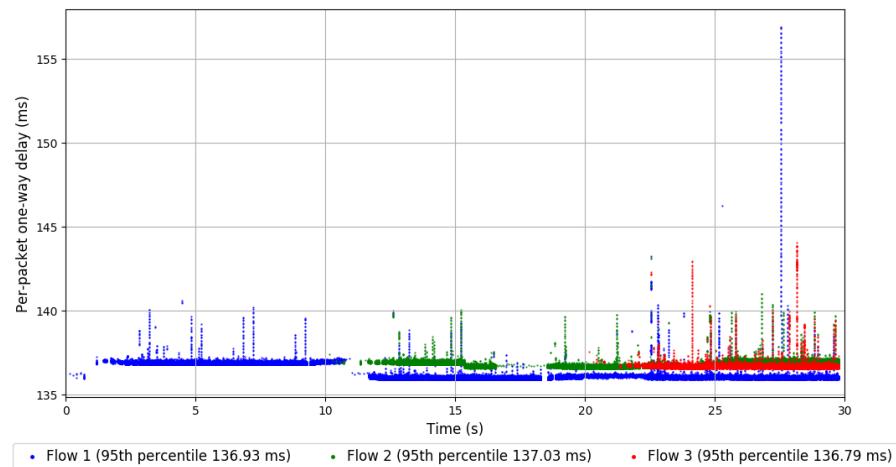
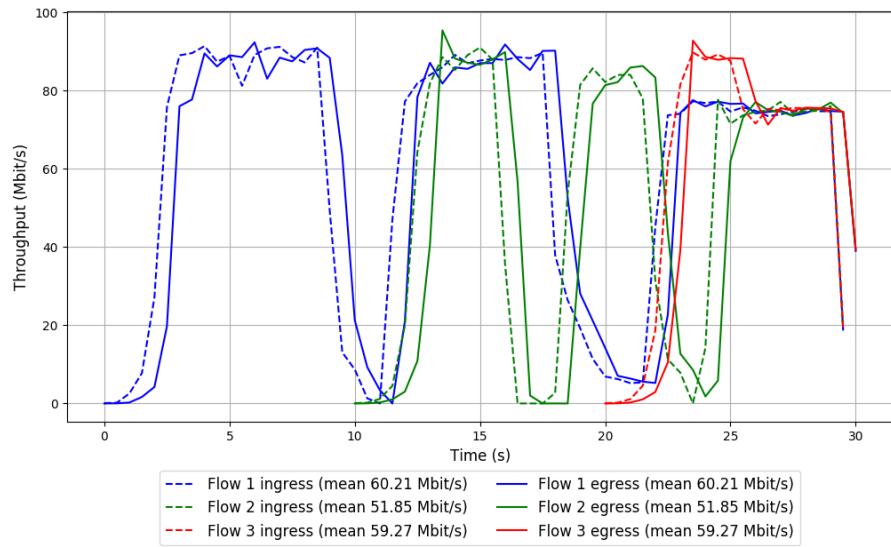


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-25 06:51:15
End at: 2018-05-25 06:51:45
Local clock offset: -0.201 ms
Remote clock offset: -0.141 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 113.78 Mbit/s
95th percentile per-packet one-way delay: 136.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.21 Mbit/s
95th percentile per-packet one-way delay: 136.933 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.85 Mbit/s
95th percentile per-packet one-way delay: 137.032 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.27 Mbit/s
95th percentile per-packet one-way delay: 136.788 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

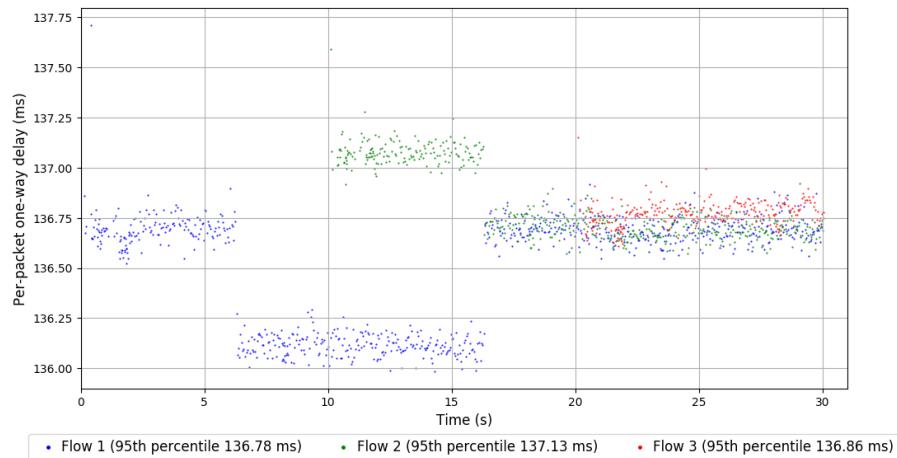
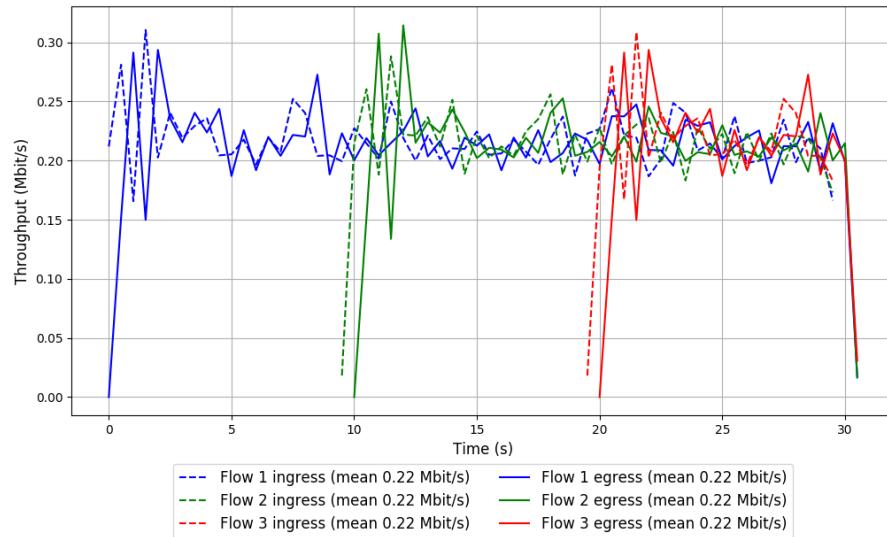


```
Run 1: Statistics of SCReAM

Start at: 2018-05-25 03:01:50
End at: 2018-05-25 03:02:20
Local clock offset: 0.029 ms
Remote clock offset: -0.177 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.076 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.783 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.127 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.856 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

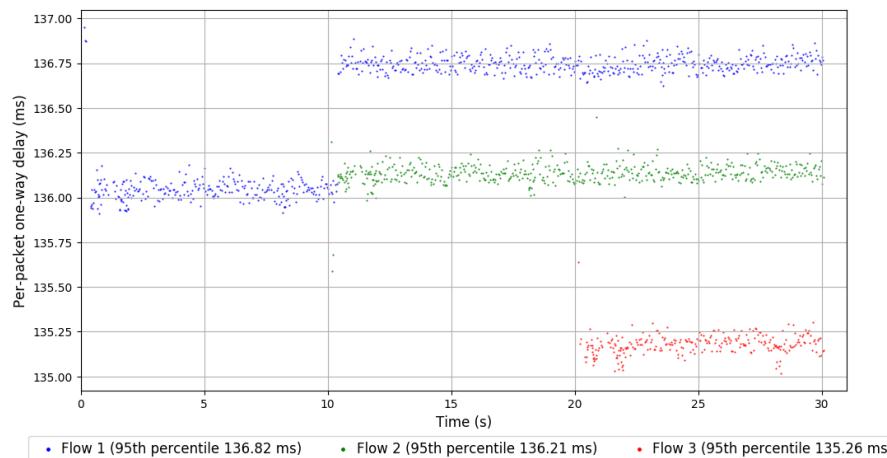
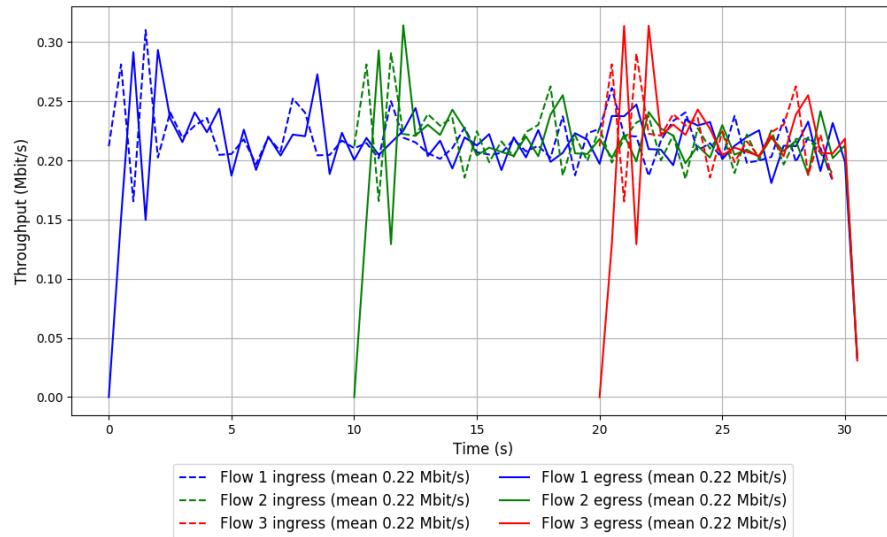


Run 2: Statistics of SCReAM

```
Start at: 2018-05-25 03:26:45
End at: 2018-05-25 03:27:15
Local clock offset: -0.117 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.794 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.817 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.213 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.260 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

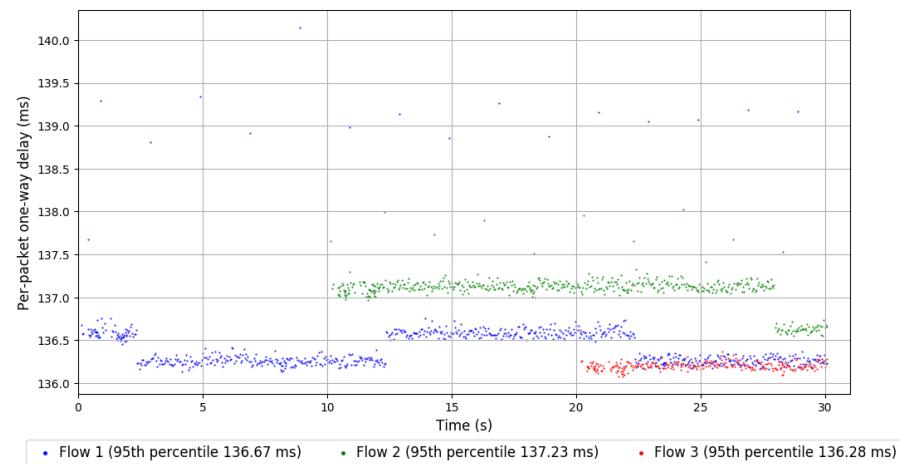
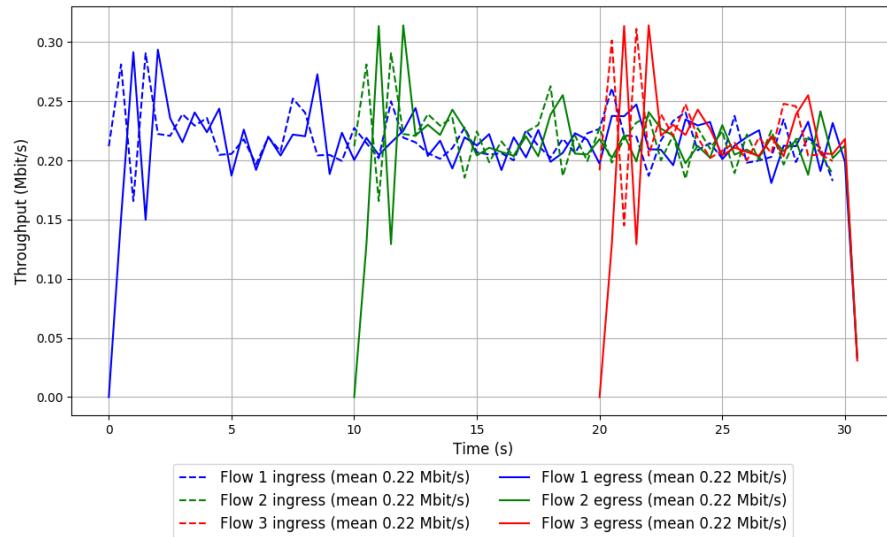


Run 3: Statistics of SCReAM

```
Start at: 2018-05-25 03:51:18
End at: 2018-05-25 03:51:48
Local clock offset: -0.542 ms
Remote clock offset: -0.183 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.191 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.669 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.231 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.282 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

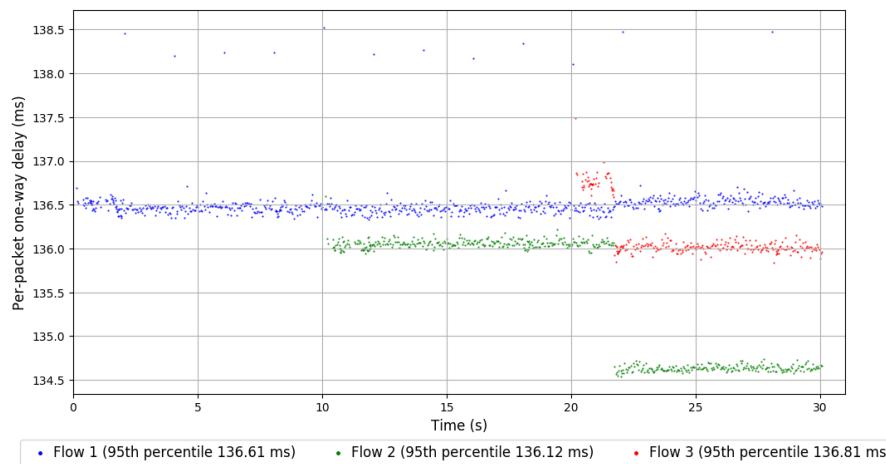
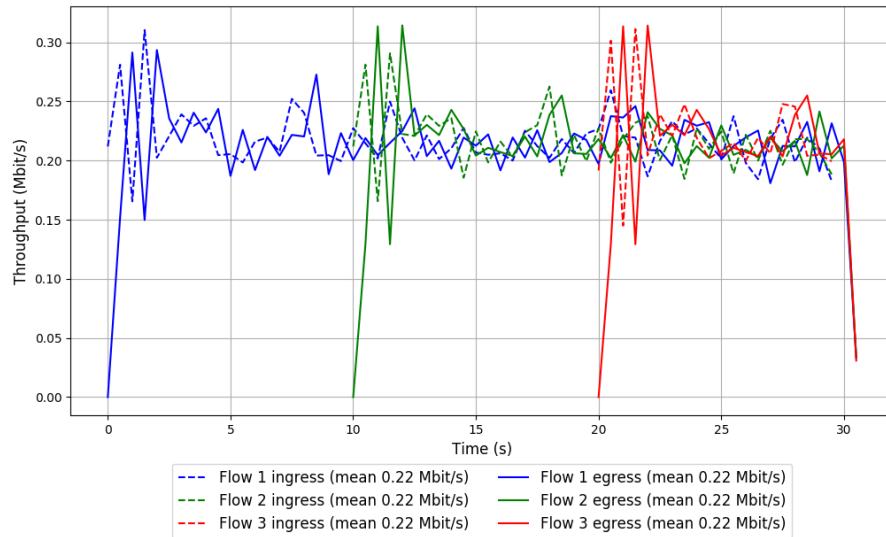


Run 4: Statistics of SCReAM

```
Start at: 2018-05-25 04:16:34
End at: 2018-05-25 04:17:04
Local clock offset: 0.116 ms
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.607 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.119 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.809 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

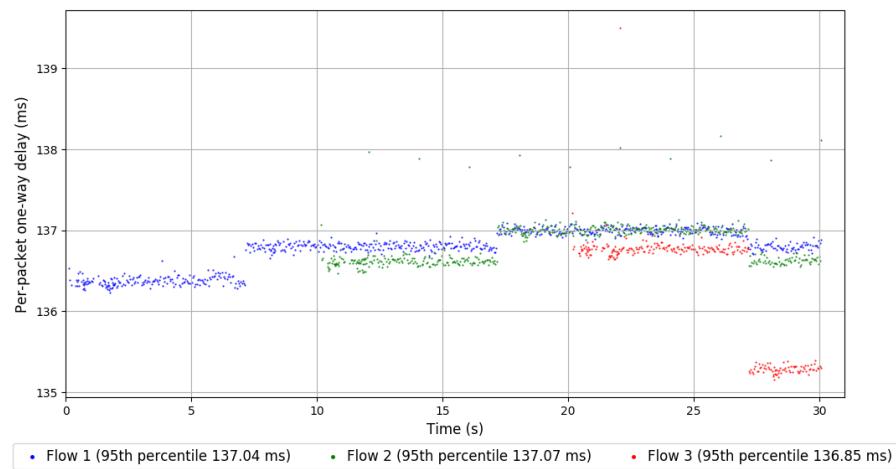
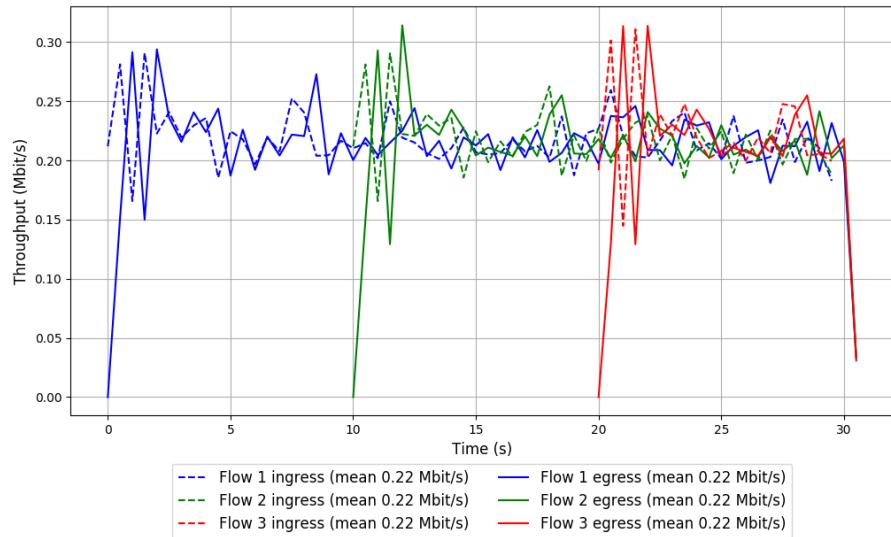


Run 5: Statistics of SCReAM

```
Start at: 2018-05-25 04:41:09
End at: 2018-05-25 04:41:39
Local clock offset: -0.136 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.039 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.074 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.848 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

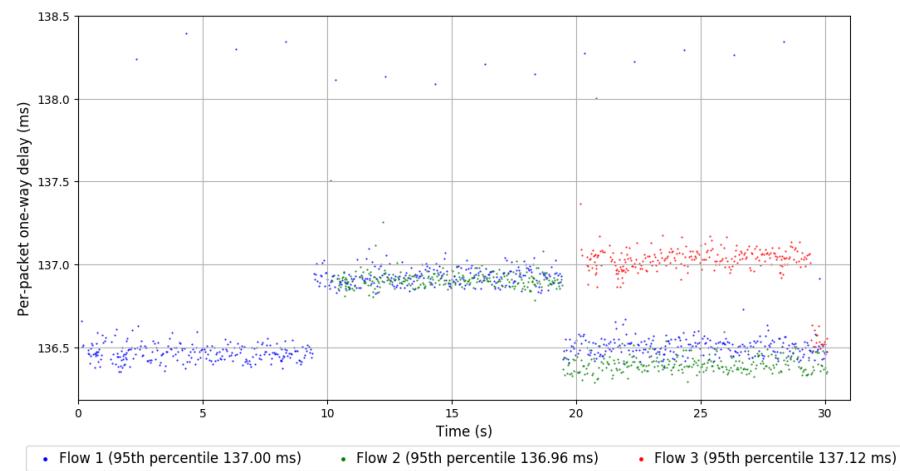
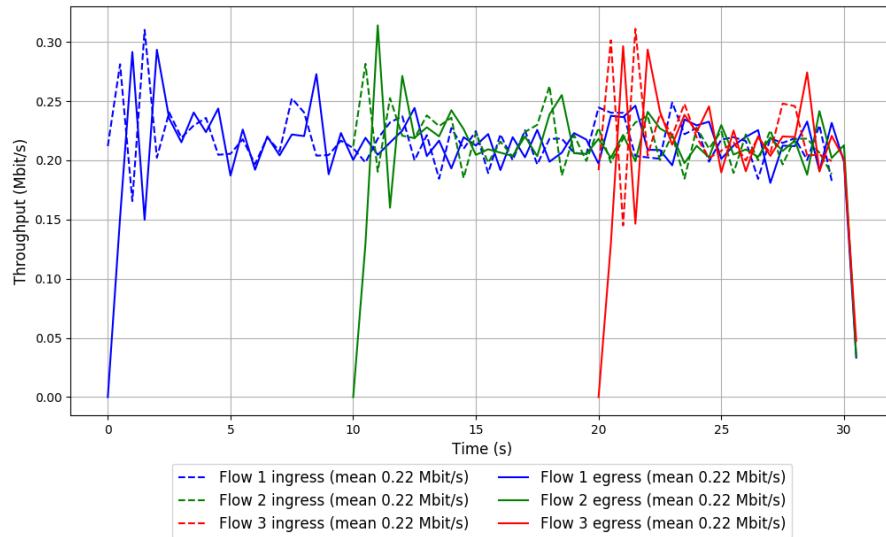


Run 6: Statistics of SCReAM

```
Start at: 2018-05-25 05:05:56
End at: 2018-05-25 05:06:26
Local clock offset: -0.33 ms
Remote clock offset: -0.165 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.997 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.955 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.117 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

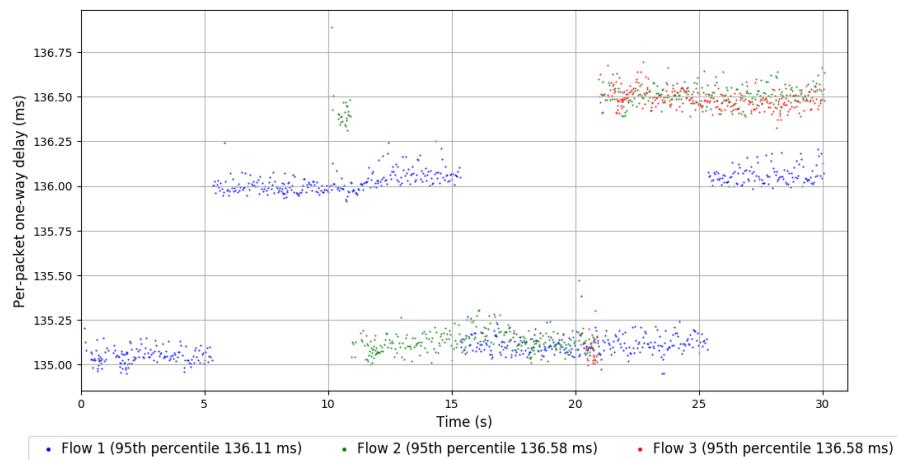
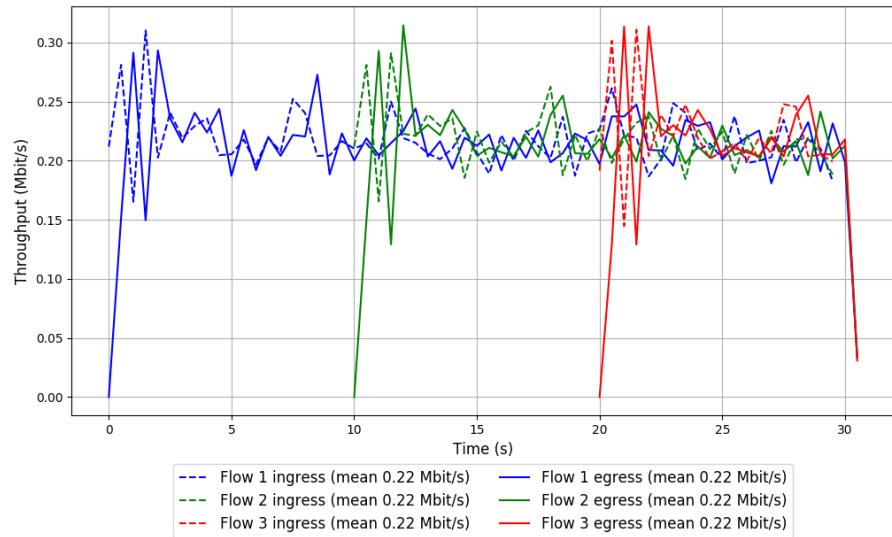


Run 7: Statistics of SCReAM

```
Start at: 2018-05-25 05:30:45
End at: 2018-05-25 05:31:15
Local clock offset: 0.13 ms
Remote clock offset: -0.188 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.548 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.106 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.580 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.578 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

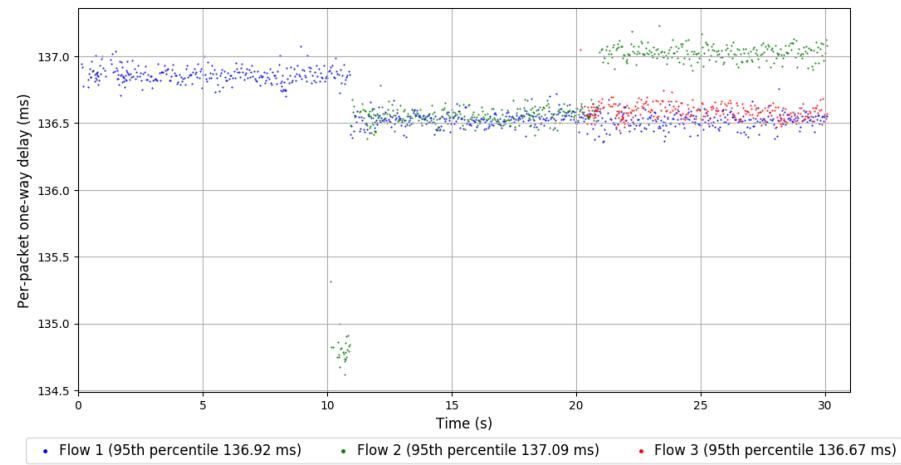
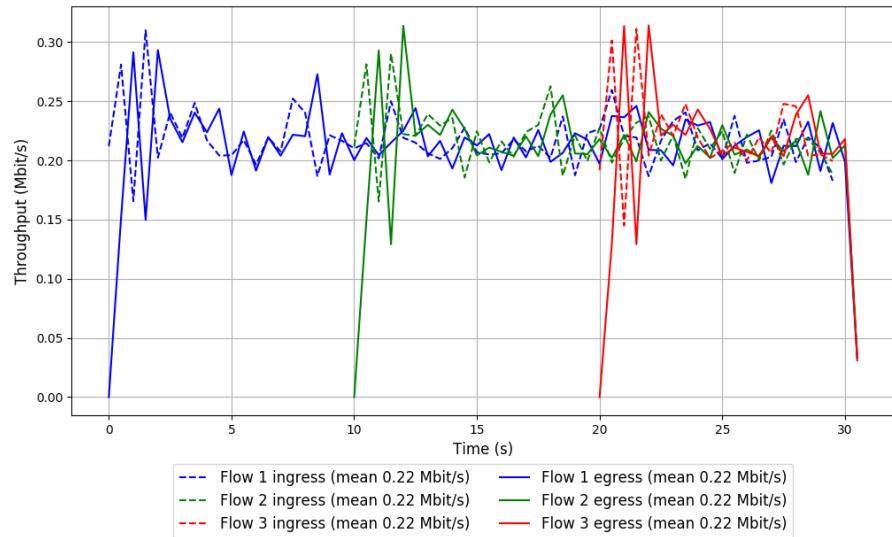


Run 8: Statistics of SCReAM

```
Start at: 2018-05-25 05:55:55
End at: 2018-05-25 05:56:25
Local clock offset: 0.079 ms
Remote clock offset: -0.172 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.918 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.091 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.671 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

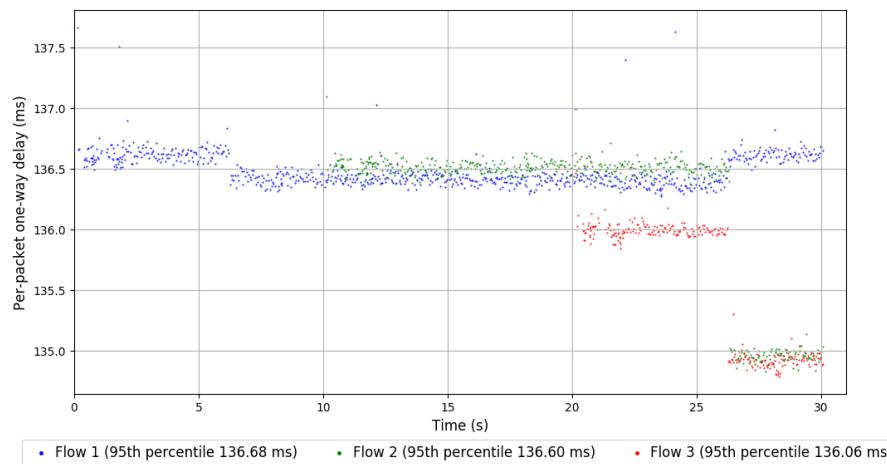
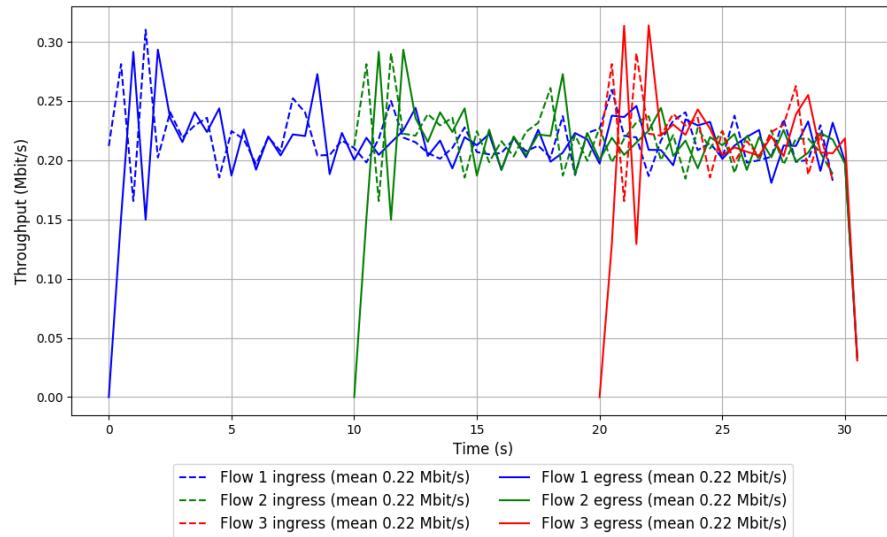


Run 9: Statistics of SCReAM

```
Start at: 2018-05-25 06:20:40
End at: 2018-05-25 06:21:10
Local clock offset: 0.163 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.676 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.597 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.058 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

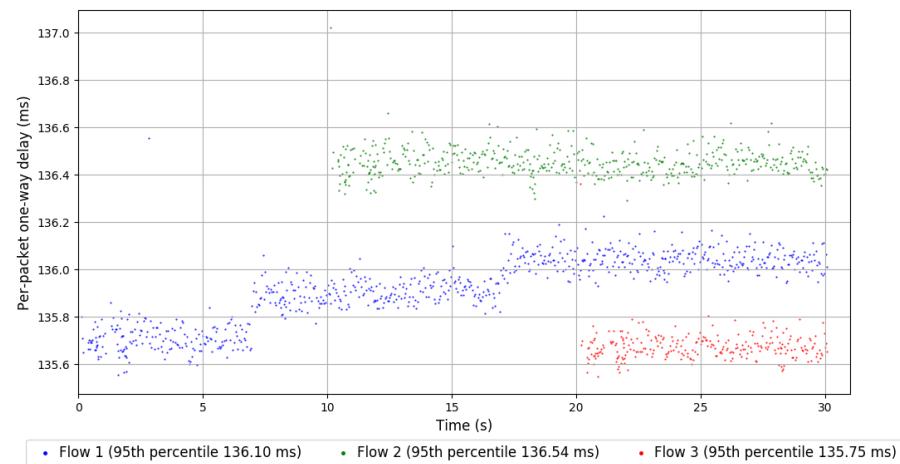
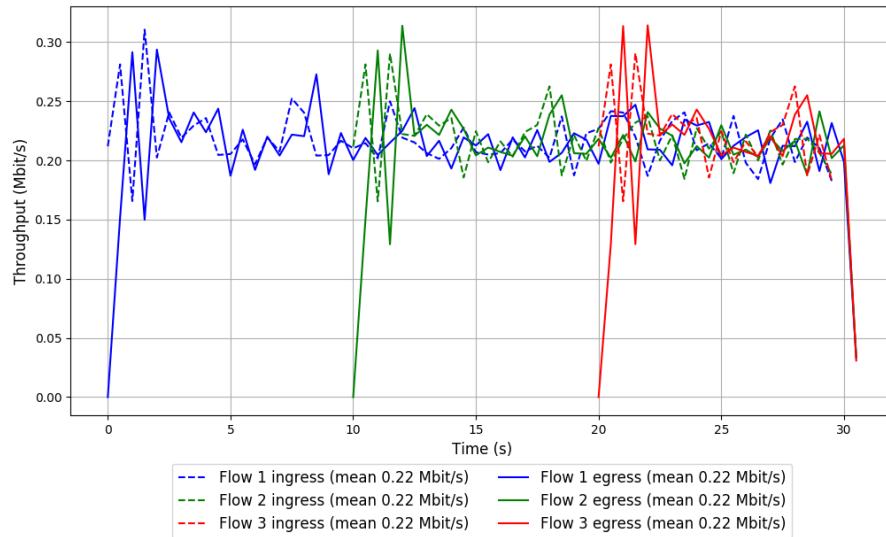


Run 10: Statistics of SCReAM

```
Start at: 2018-05-25 06:45:29
End at: 2018-05-25 06:45:59
Local clock offset: 0.189 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-05-25 08:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.506 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.099 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.541 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.754 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

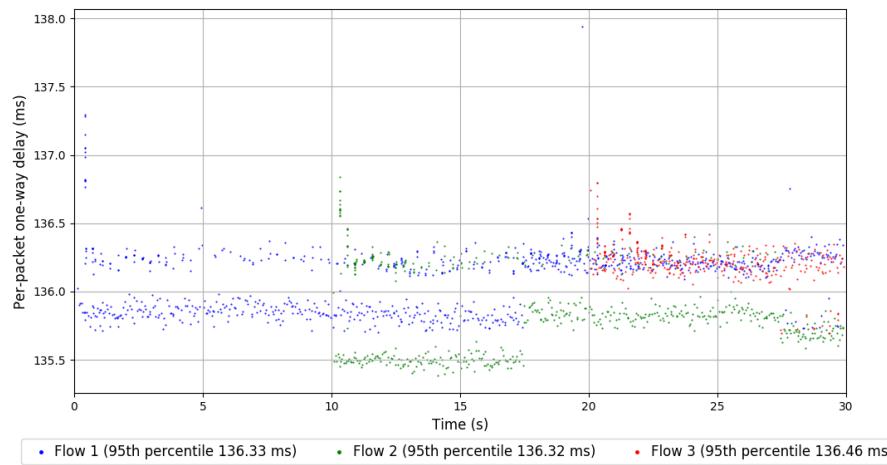
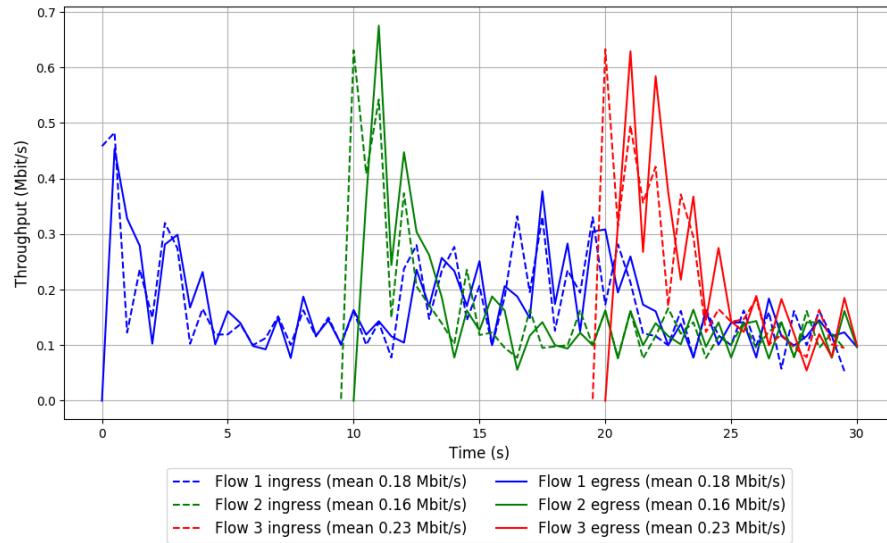


Run 1: Statistics of Sprout

```
Start at: 2018-05-25 03:06:08
End at: 2018-05-25 03:06:38
Local clock offset: 0.32 ms
Remote clock offset: -0.201 ms

# Below is generated by plot.py at 2018-05-25 08:53:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.326 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.321 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 136.455 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

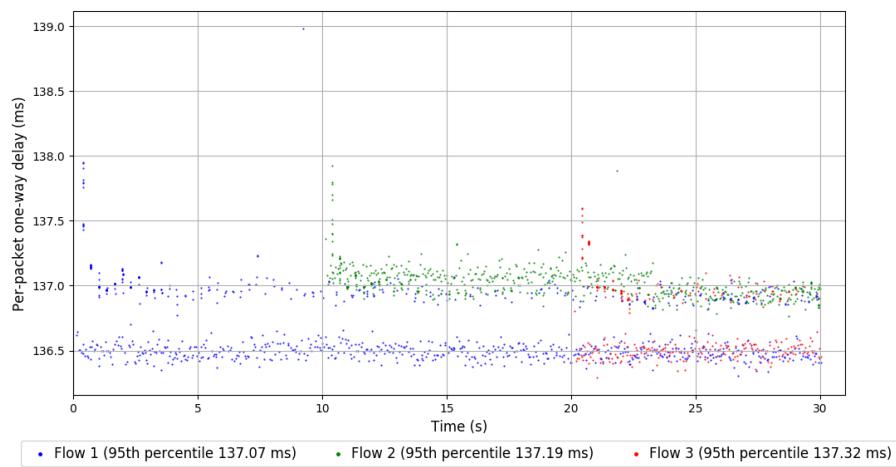
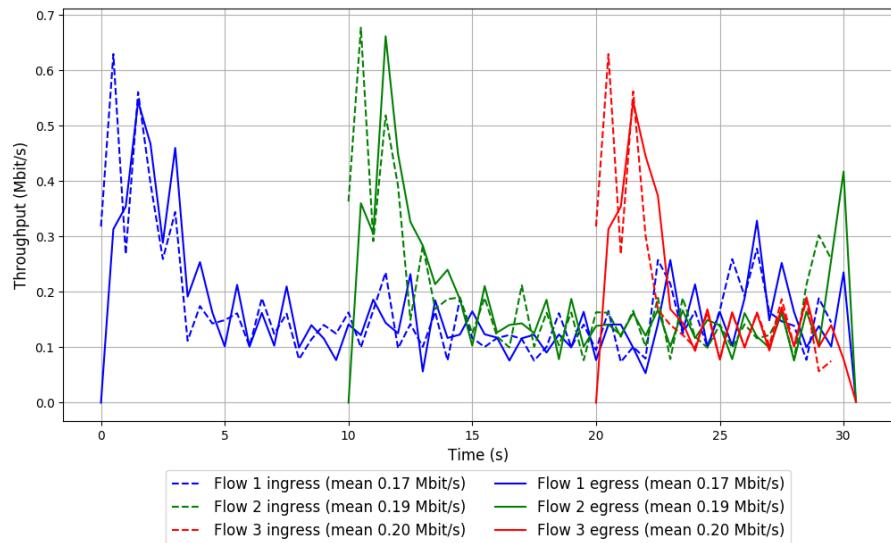


Run 2: Statistics of Sprout

```
Start at: 2018-05-25 03:31:07
End at: 2018-05-25 03:31:37
Local clock offset: -0.04 ms
Remote clock offset: 0.185 ms

# Below is generated by plot.py at 2018-05-25 08:53:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 137.158 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 137.067 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 137.186 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 137.325 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

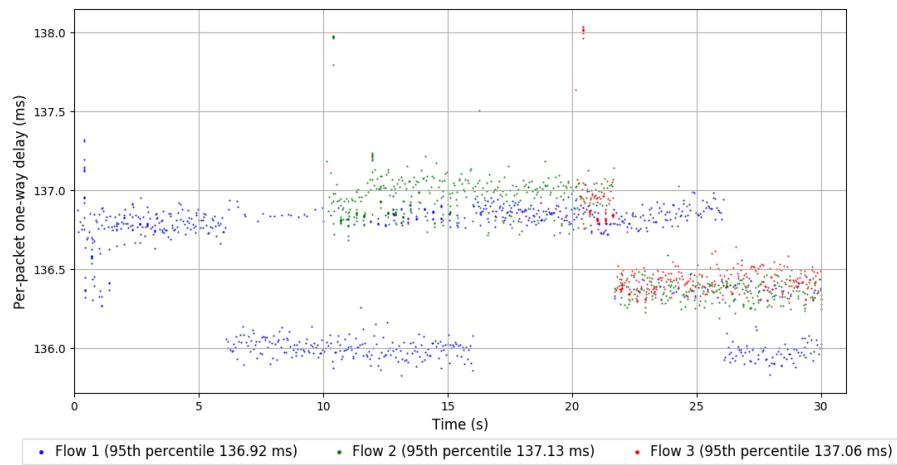
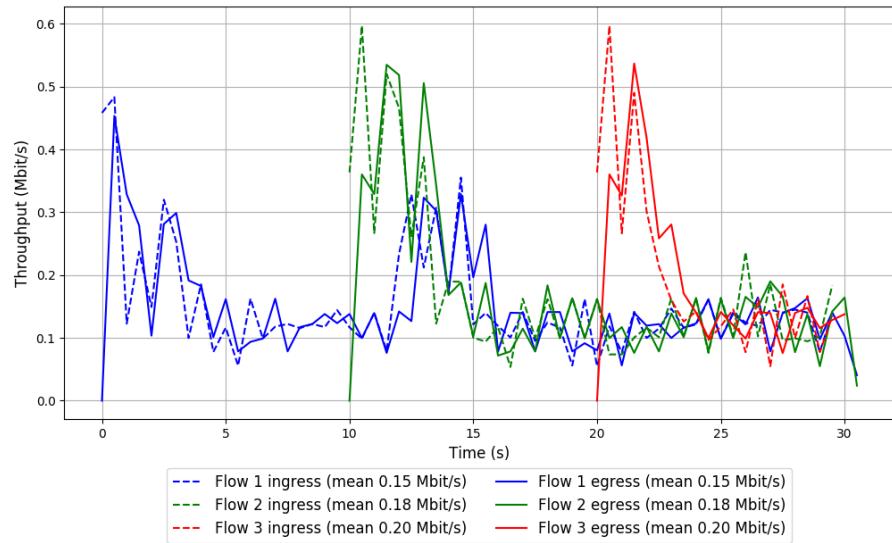


Run 3: Statistics of Sprout

```
Start at: 2018-05-25 03:55:44
End at: 2018-05-25 03:56:14
Local clock offset: -0.278 ms
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2018-05-25 08:53:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 137.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.916 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 137.129 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 137.055 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

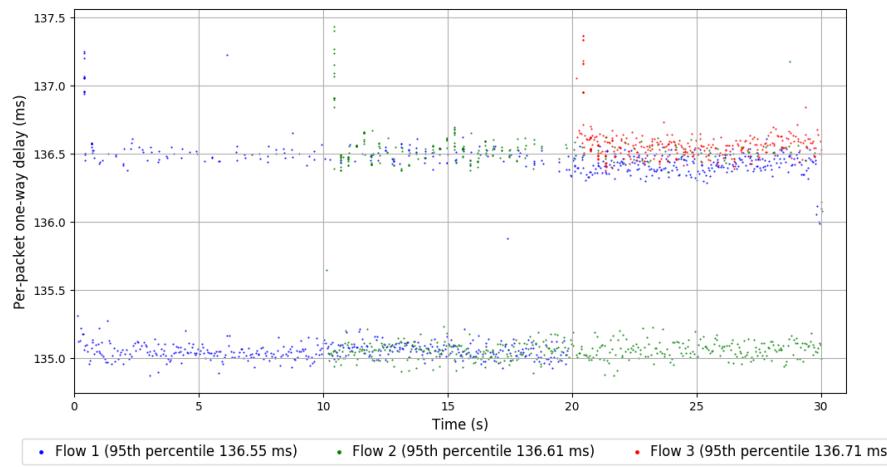
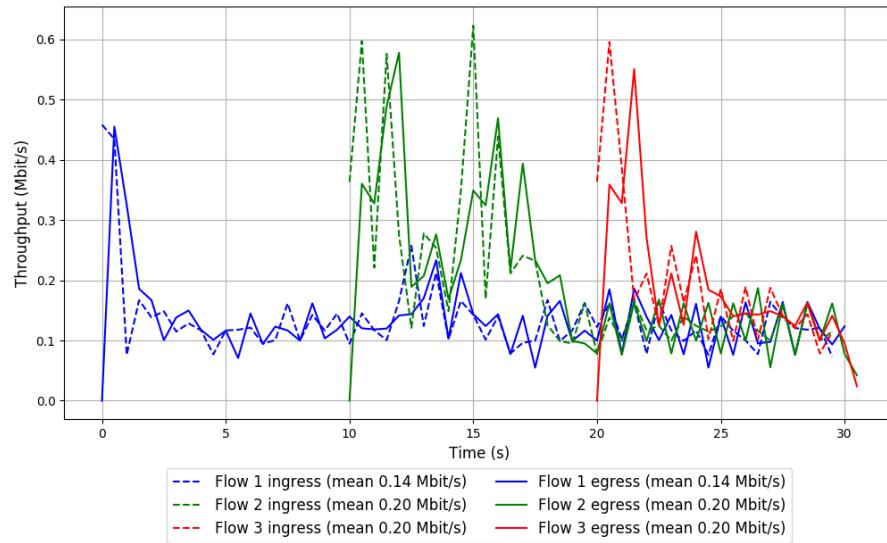


Run 4: Statistics of Sprout

```
Start at: 2018-05-25 04:20:56
End at: 2018-05-25 04:21:26
Local clock offset: 0.042 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-05-25 08:53:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 136.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.546 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.608 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.710 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

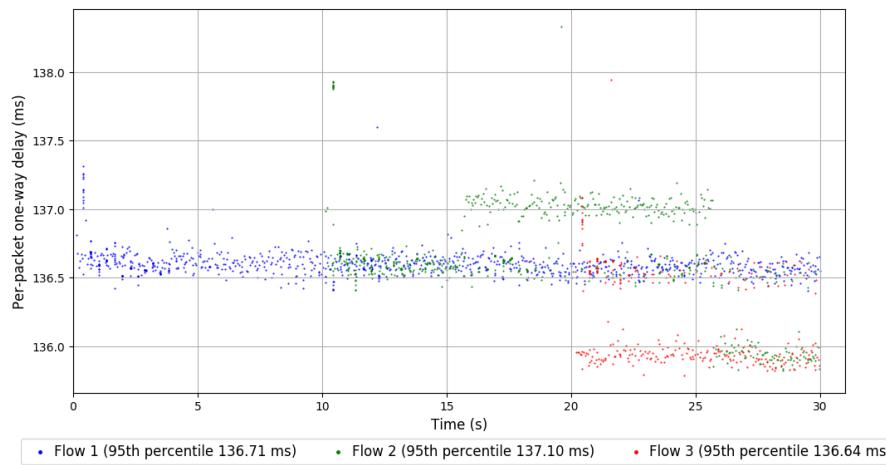
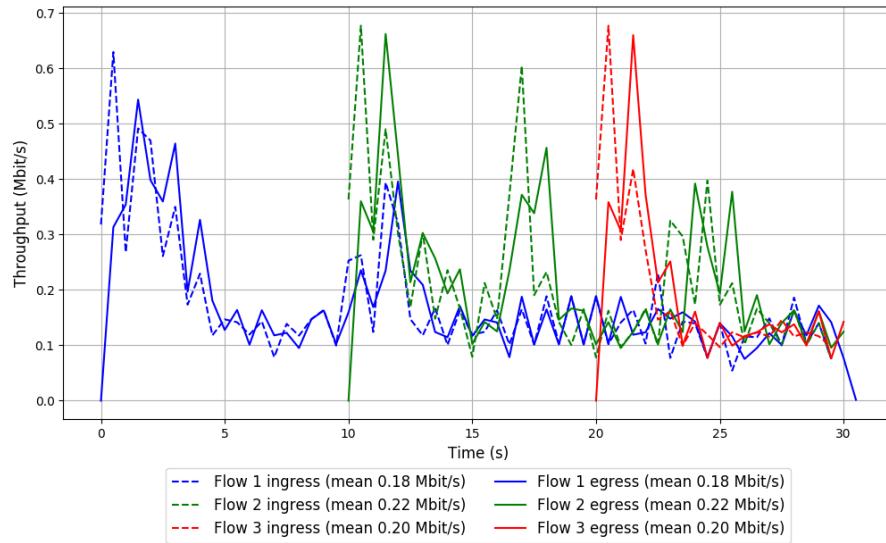


Run 5: Statistics of Sprout

```
Start at: 2018-05-25 04:45:35
End at: 2018-05-25 04:46:05
Local clock offset: -0.094 ms
Remote clock offset: -0.139 ms

# Below is generated by plot.py at 2018-05-25 08:53:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 137.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.714 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.102 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.639 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

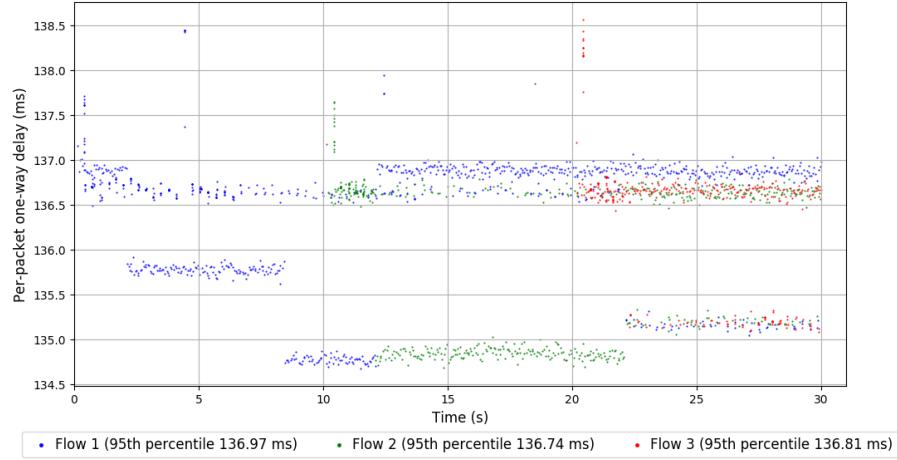
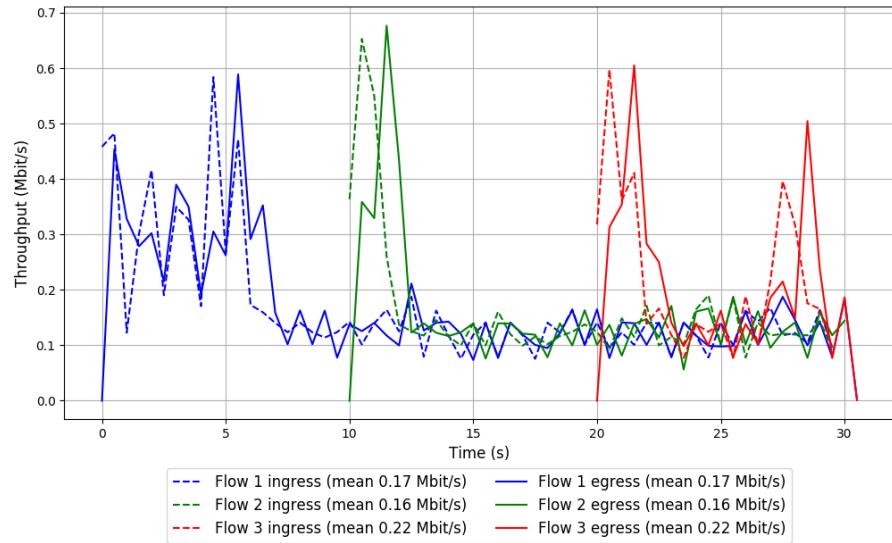


Run 6: Statistics of Sprout

```
Start at: 2018-05-25 05:10:24
End at: 2018-05-25 05:10:54
Local clock offset: -0.024 ms
Remote clock offset: -0.154 ms

# Below is generated by plot.py at 2018-05-25 08:53:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.972 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.744 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.815 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

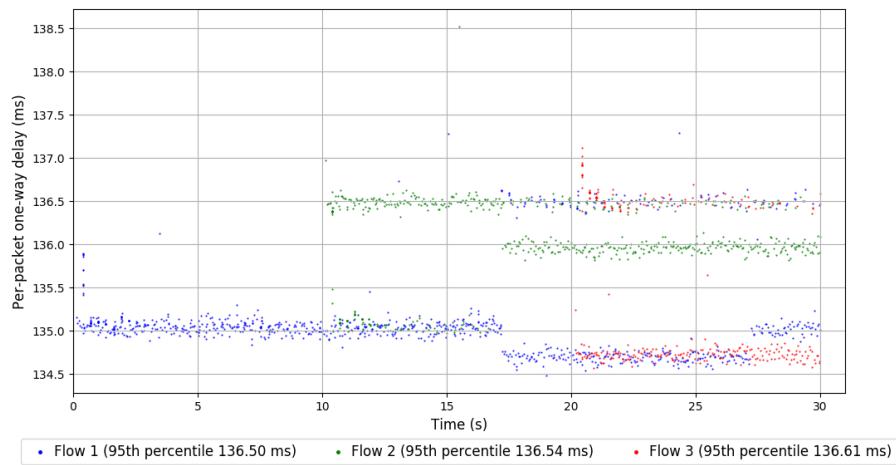
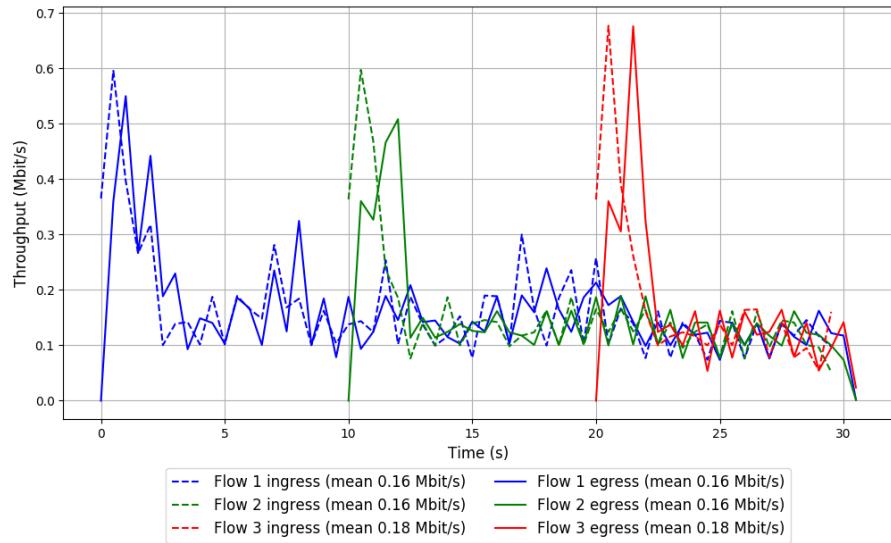


Run 7: Statistics of Sprout

```
Start at: 2018-05-25 05:34:59
End at: 2018-05-25 05:35:29
Local clock offset: 0.204 ms
Remote clock offset: -0.167 ms

# Below is generated by plot.py at 2018-05-25 08:53:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.543 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.497 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.541 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.607 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

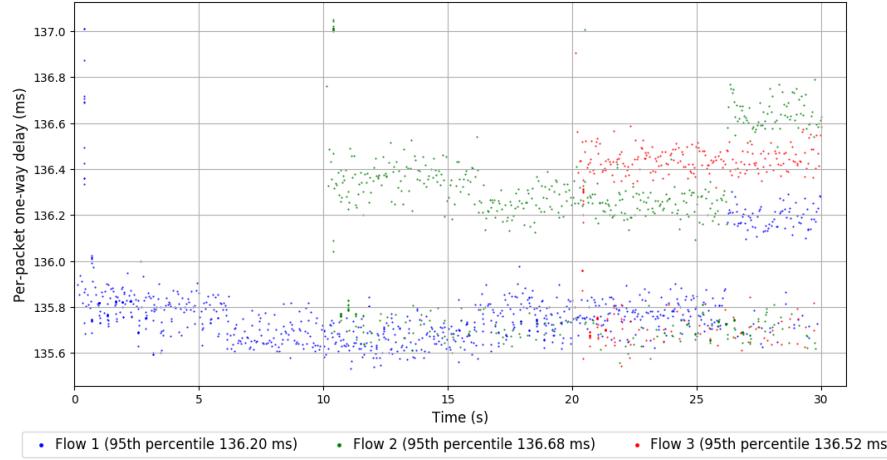
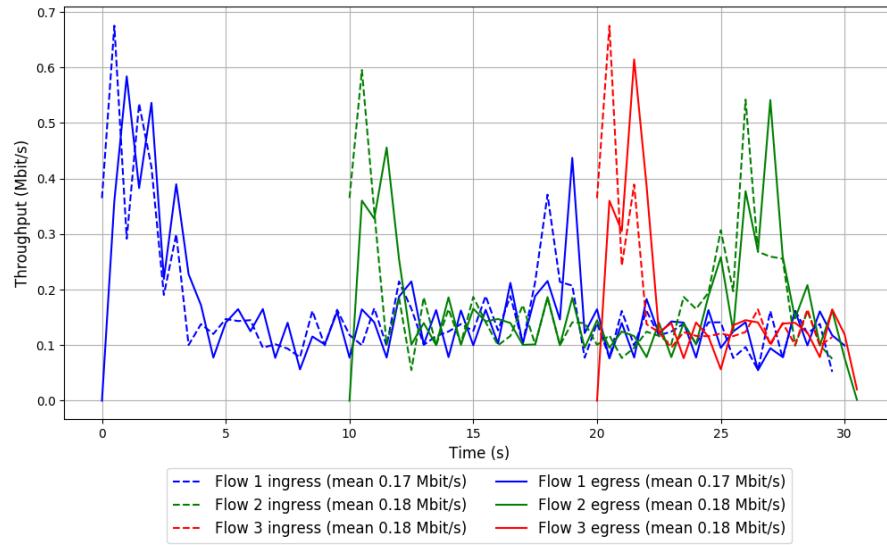


Run 8: Statistics of Sprout

```
Start at: 2018-05-25 06:00:20
End at: 2018-05-25 06:00:50
Local clock offset: -0.051 ms
Remote clock offset: -0.626 ms

# Below is generated by plot.py at 2018-05-25 08:53:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.576 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.196 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.682 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.520 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

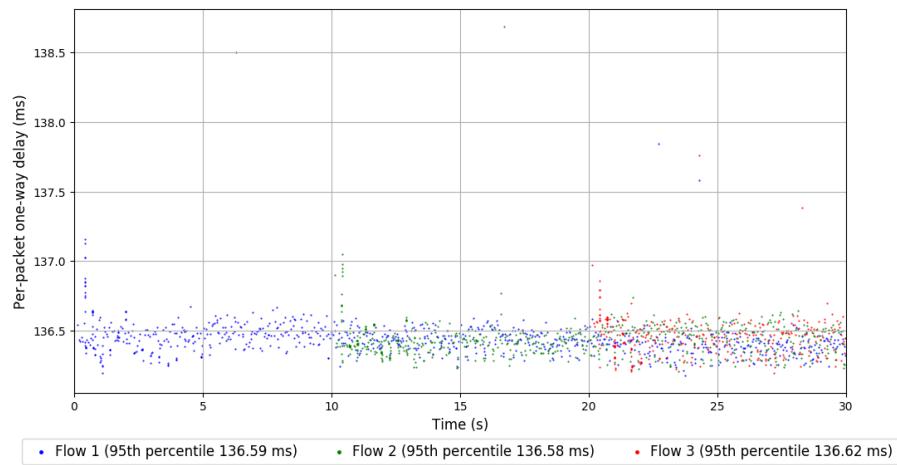
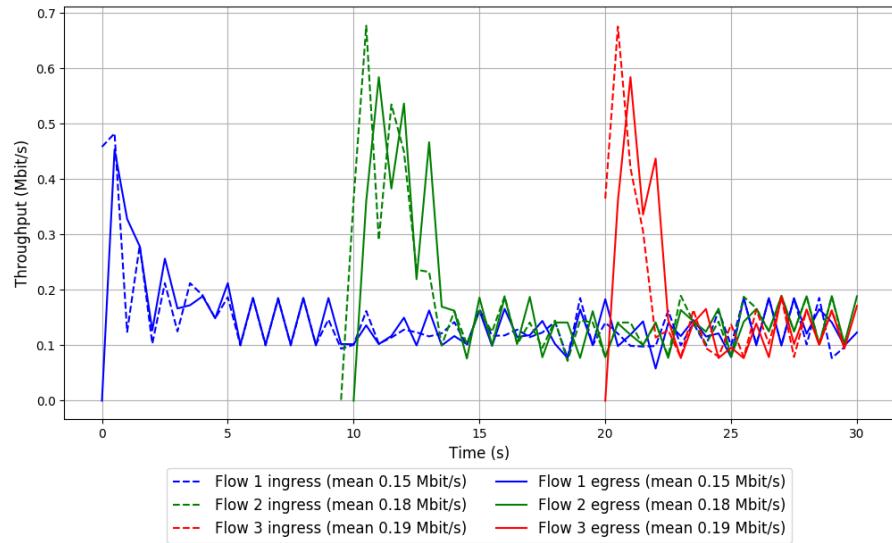


Run 9: Statistics of Sprout

```
Start at: 2018-05-25 06:24:55
End at: 2018-05-25 06:25:25
Local clock offset: 0.117 ms
Remote clock offset: -0.197 ms

# Below is generated by plot.py at 2018-05-25 08:53:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.587 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.580 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.615 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

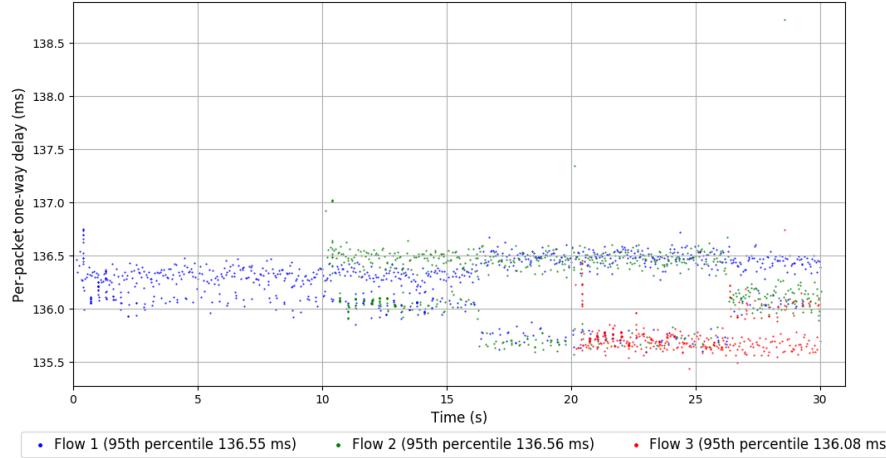
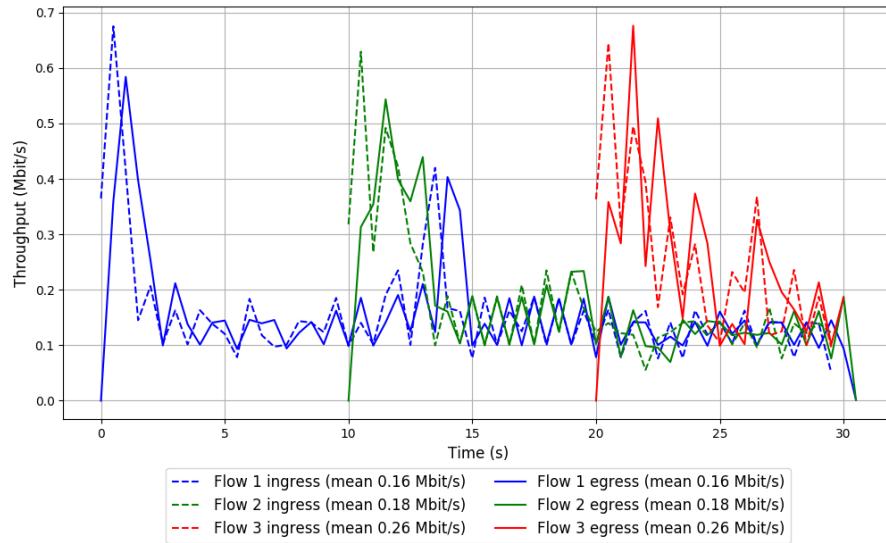


Run 10: Statistics of Sprout

```
Start at: 2018-05-25 06:50:00
End at: 2018-05-25 06:50:30
Local clock offset: 0.498 ms
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2018-05-25 08:53:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.547 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.547 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.565 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 136.082 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

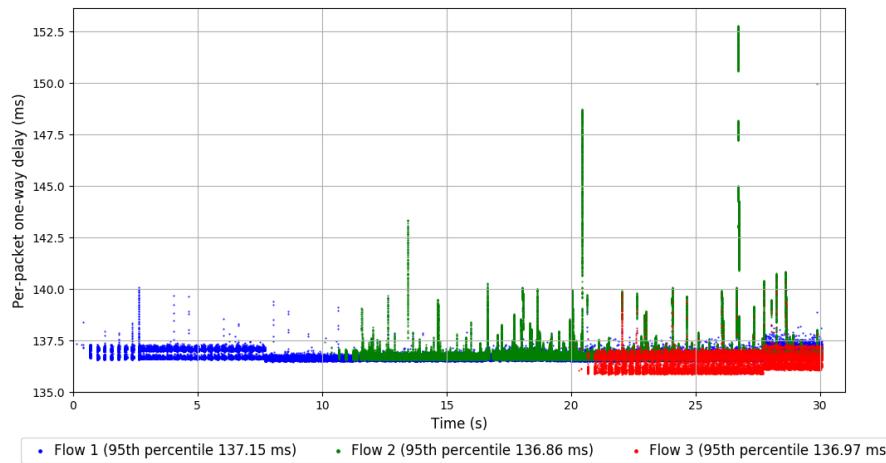
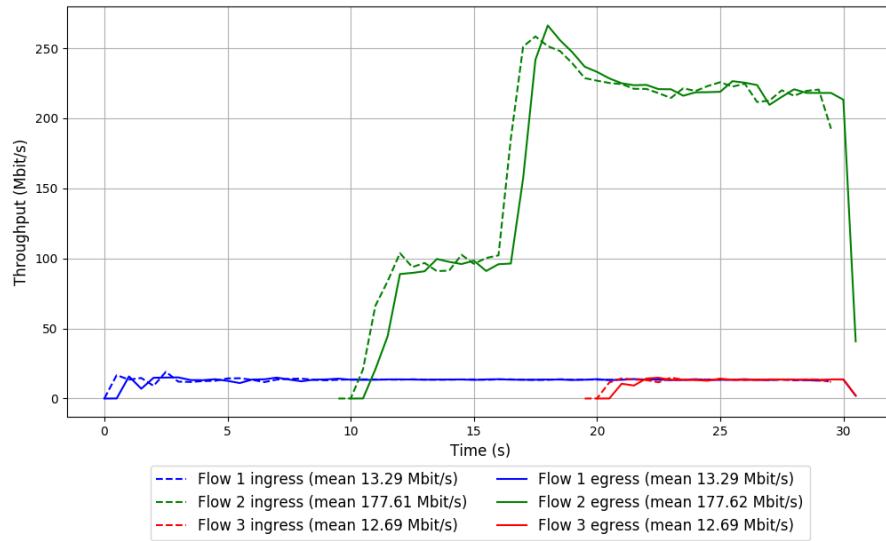


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-25 03:09:58
End at: 2018-05-25 03:10:28
Local clock offset: -0.299 ms
Remote clock offset: -0.23 ms

# Below is generated by plot.py at 2018-05-25 08:53:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 135.93 Mbit/s
95th percentile per-packet one-way delay: 136.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 137.148 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.62 Mbit/s
95th percentile per-packet one-way delay: 136.860 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 136.968 ms
Loss rate: 0.00%
```

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

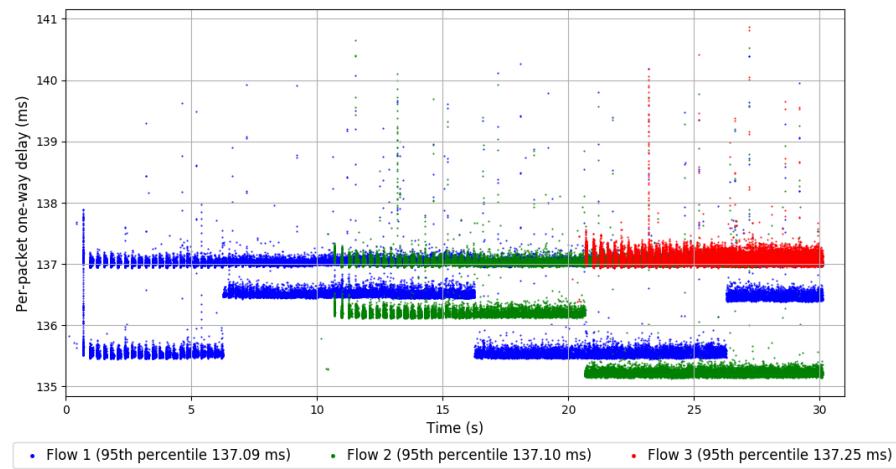
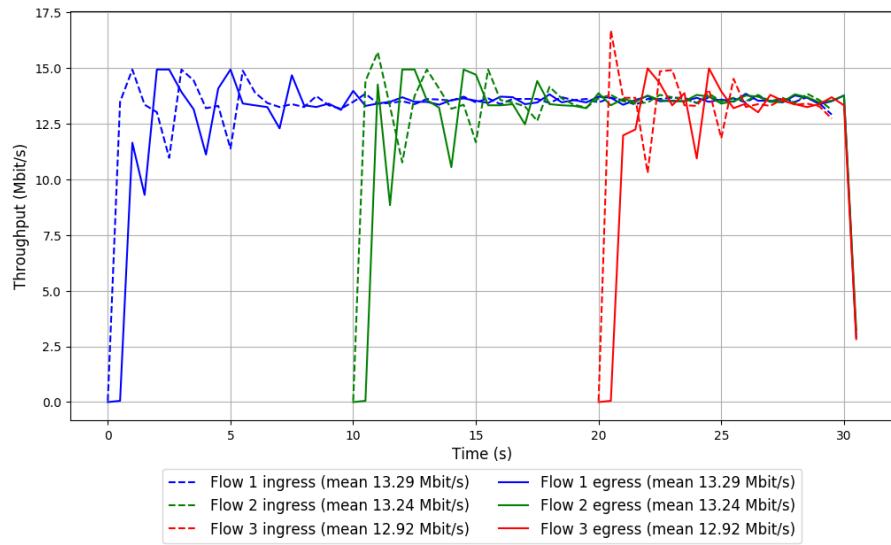


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-25 03:35:00
End at: 2018-05-25 03:35:30
Local clock offset: -0.253 ms
Remote clock offset: 0.209 ms

# Below is generated by plot.py at 2018-05-25 08:53:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.40 Mbit/s
95th percentile per-packet one-way delay: 137.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 137.086 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 137.102 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.92 Mbit/s
95th percentile per-packet one-way delay: 137.254 ms
Loss rate: 0.01%
```

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

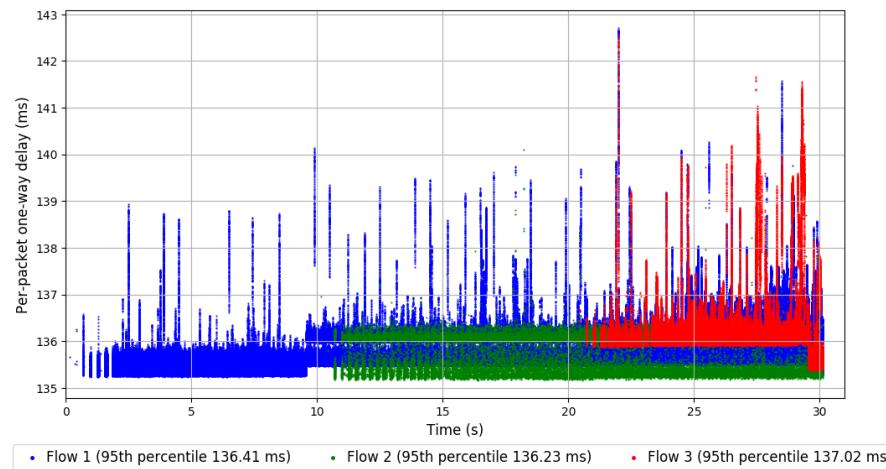
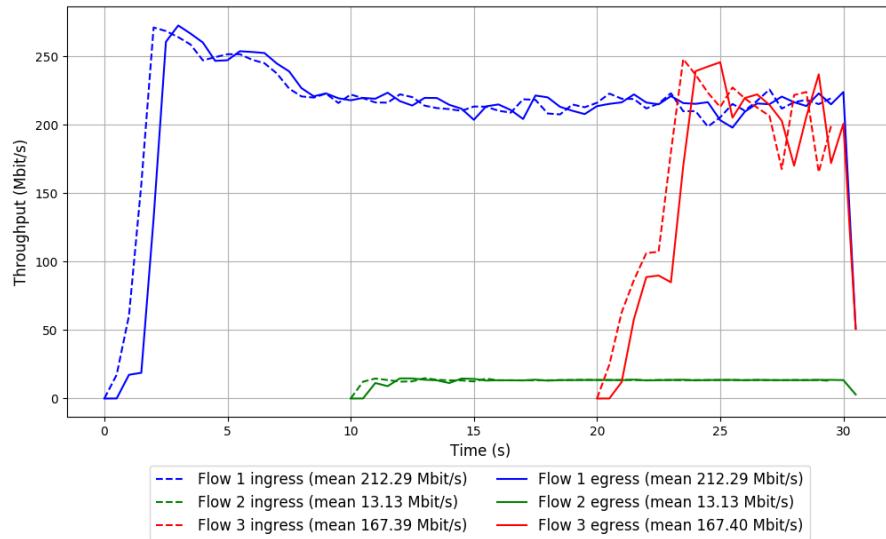


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-25 03:59:36
End at: 2018-05-25 04:00:06
Local clock offset: -0.065 ms
Remote clock offset: -0.517 ms

# Below is generated by plot.py at 2018-05-25 08:54:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 276.63 Mbit/s
95th percentile per-packet one-way delay: 136.468 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.29 Mbit/s
95th percentile per-packet one-way delay: 136.405 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.13 Mbit/s
95th percentile per-packet one-way delay: 136.231 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 167.40 Mbit/s
95th percentile per-packet one-way delay: 137.019 ms
Loss rate: 0.00%
```

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

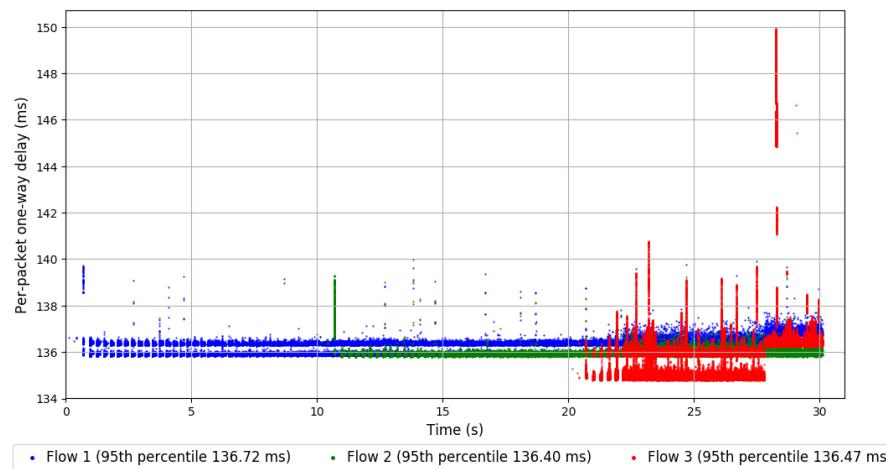
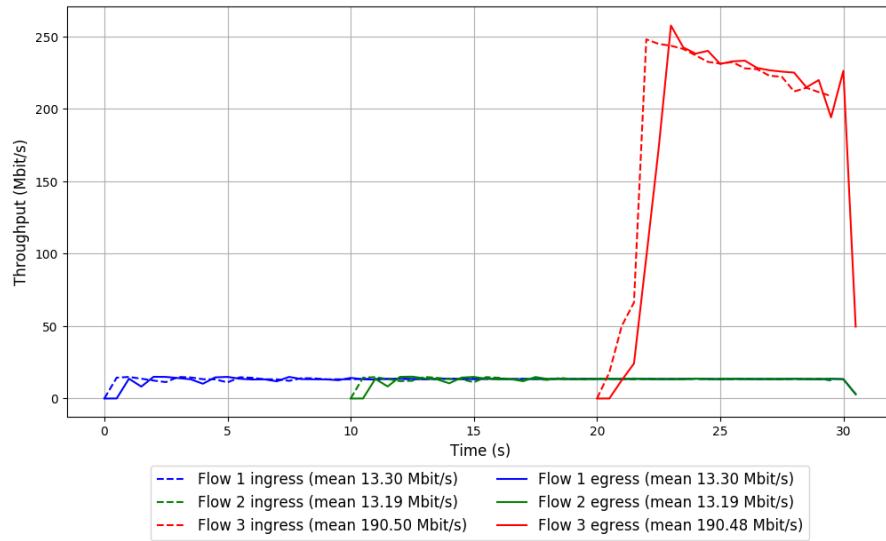


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-25 04:24:48
End at: 2018-05-25 04:25:18
Local clock offset: 0.05 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-05-25 08:54:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 136.481 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 136.720 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 136.396 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 190.48 Mbit/s
95th percentile per-packet one-way delay: 136.467 ms
Loss rate: 0.00%
```

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

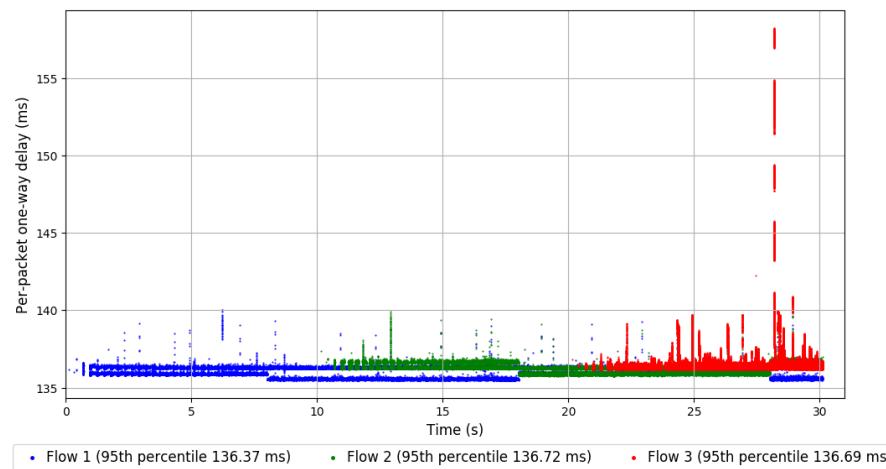
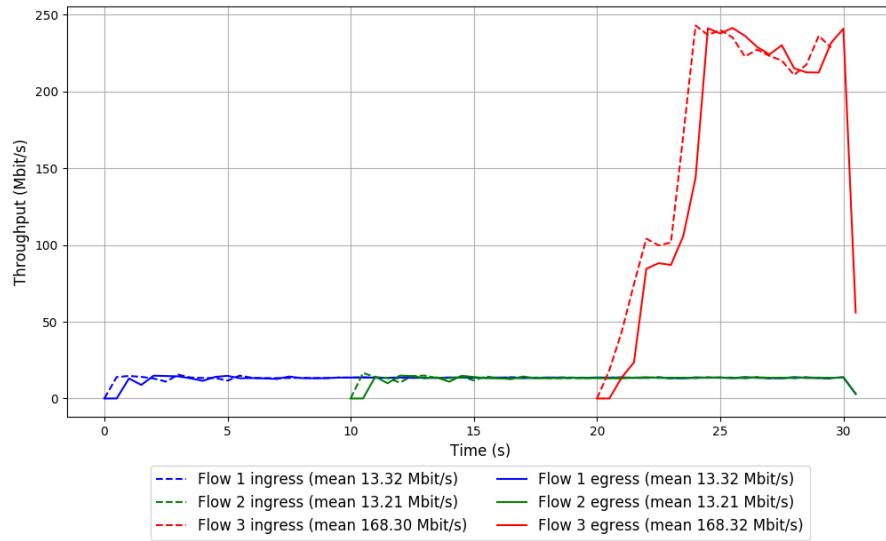


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-25 04:49:28
End at: 2018-05-25 04:49:58
Local clock offset: -0.004 ms
Remote clock offset: -0.196 ms

# Below is generated by plot.py at 2018-05-25 08:54:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.06 Mbit/s
95th percentile per-packet one-way delay: 136.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.32 Mbit/s
95th percentile per-packet one-way delay: 136.372 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.21 Mbit/s
95th percentile per-packet one-way delay: 136.722 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 168.32 Mbit/s
95th percentile per-packet one-way delay: 136.686 ms
Loss rate: 0.00%
```

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

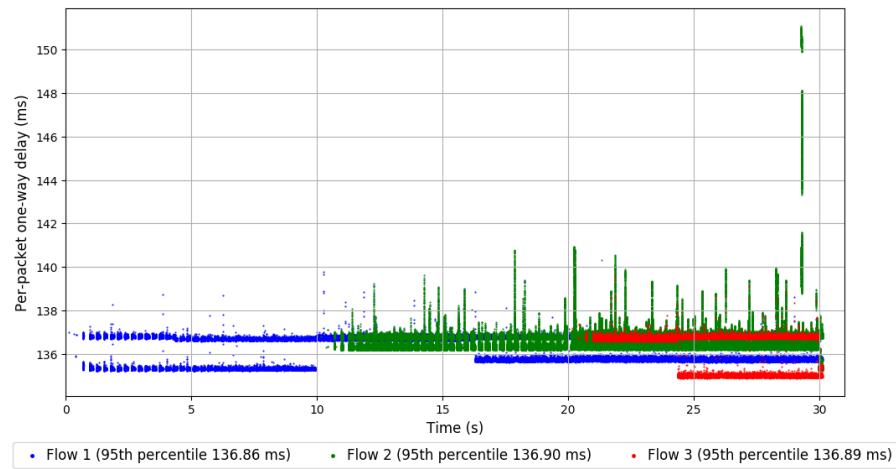
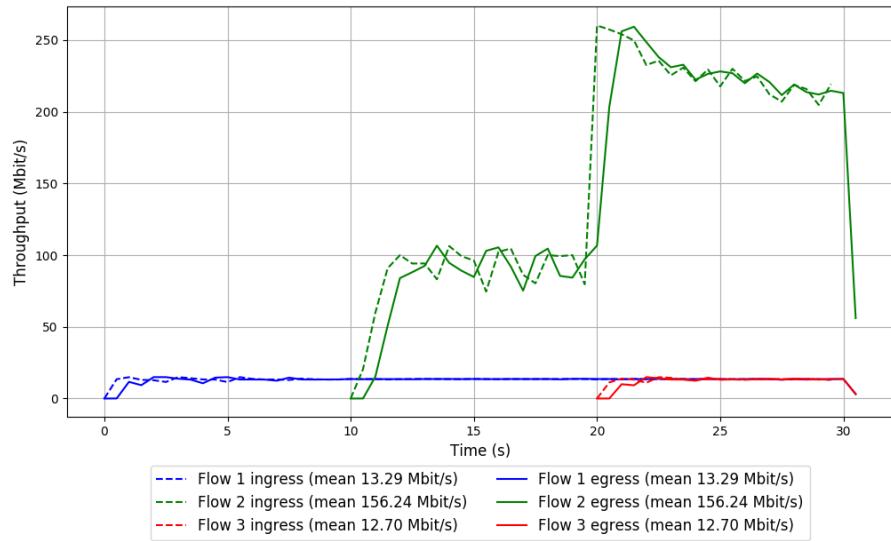


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-25 05:14:16
End at: 2018-05-25 05:14:46
Local clock offset: -0.326 ms
Remote clock offset: -0.188 ms

# Below is generated by plot.py at 2018-05-25 08:54:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.57 Mbit/s
95th percentile per-packet one-way delay: 136.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 136.863 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 156.24 Mbit/s
95th percentile per-packet one-way delay: 136.904 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 136.887 ms
Loss rate: 0.00%
```

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

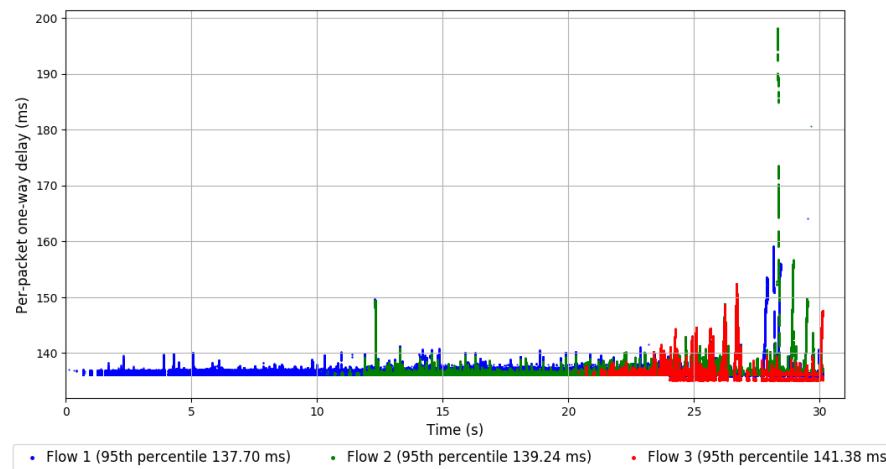
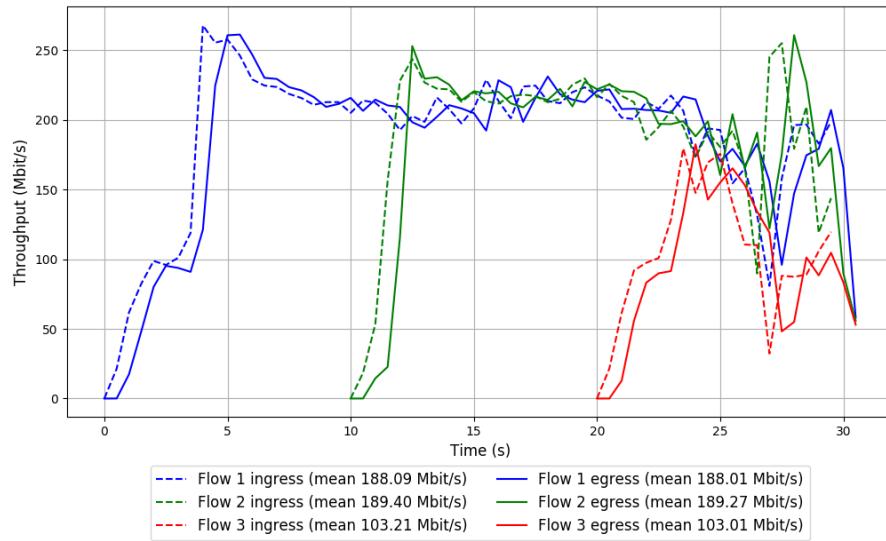


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-25 05:38:52
End at: 2018-05-25 05:39:22
Local clock offset: 0.218 ms
Remote clock offset: 0.191 ms

# Below is generated by plot.py at 2018-05-25 08:59:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.30 Mbit/s
95th percentile per-packet one-way delay: 138.756 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 188.01 Mbit/s
95th percentile per-packet one-way delay: 137.702 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 189.27 Mbit/s
95th percentile per-packet one-way delay: 139.242 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 103.01 Mbit/s
95th percentile per-packet one-way delay: 141.384 ms
Loss rate: 0.20%
```

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

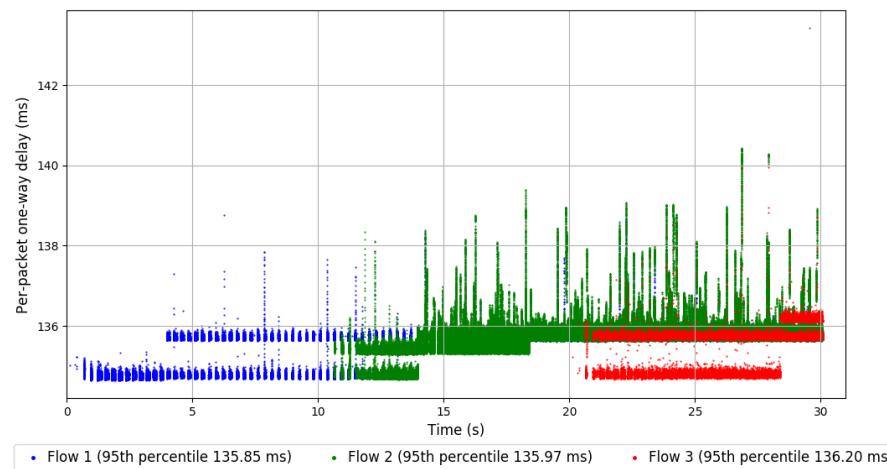
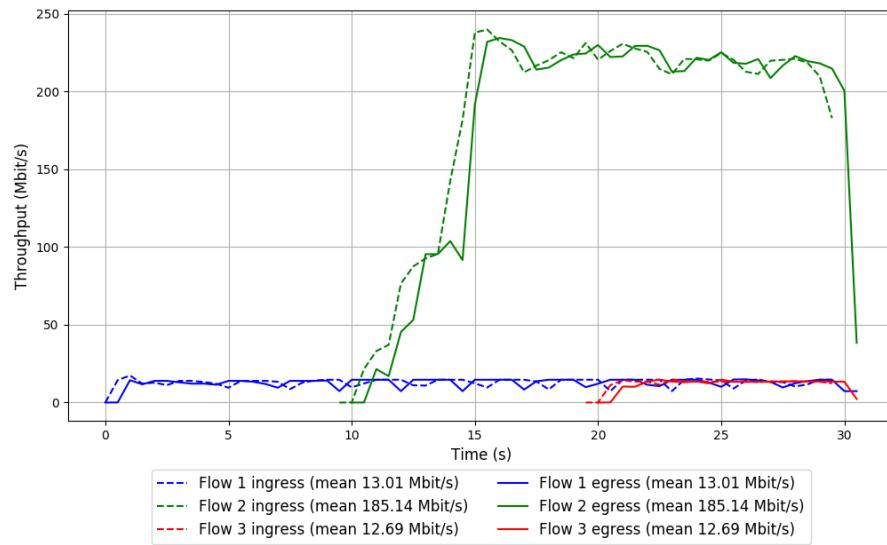


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-25 06:04:12
End at: 2018-05-25 06:04:42
Local clock offset: 0.236 ms
Remote clock offset: -0.189 ms

# Below is generated by plot.py at 2018-05-25 08:59:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 140.67 Mbit/s
95th percentile per-packet one-way delay: 135.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.01 Mbit/s
95th percentile per-packet one-way delay: 135.850 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 185.14 Mbit/s
95th percentile per-packet one-way delay: 135.974 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 136.196 ms
Loss rate: 0.00%
```

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

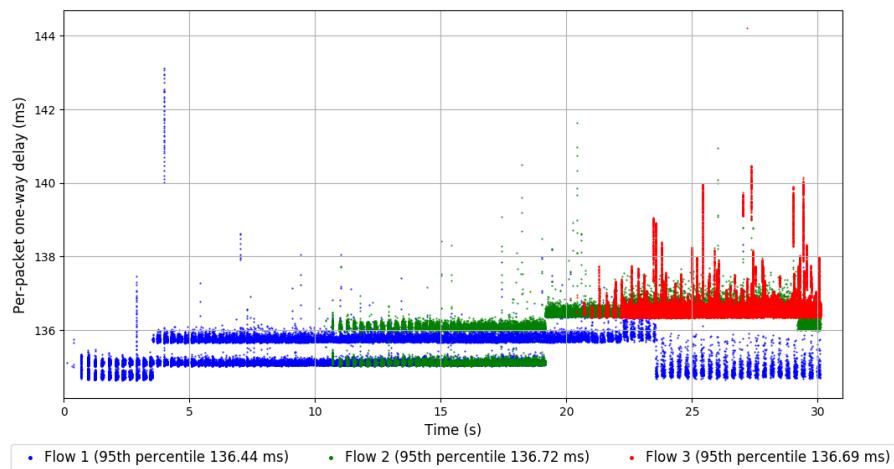
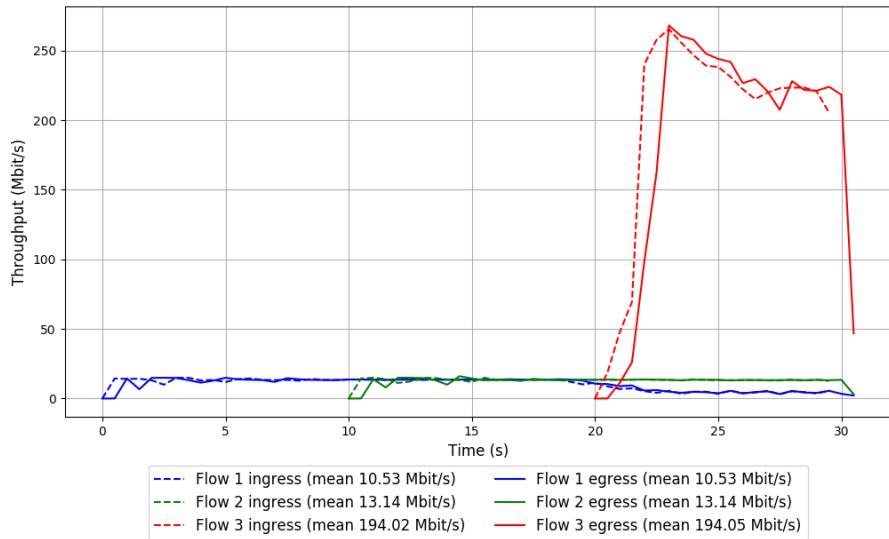


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-25 06:28:47
End at: 2018-05-25 06:29:17
Local clock offset: -0.078 ms
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-05-25 08:59:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 136.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.53 Mbit/s
95th percentile per-packet one-way delay: 136.445 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.14 Mbit/s
95th percentile per-packet one-way delay: 136.715 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 194.05 Mbit/s
95th percentile per-packet one-way delay: 136.686 ms
Loss rate: 0.00%
```

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

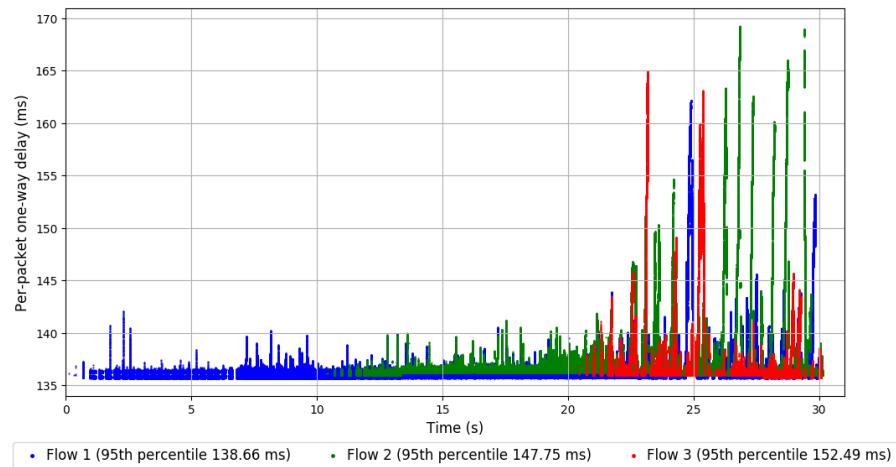
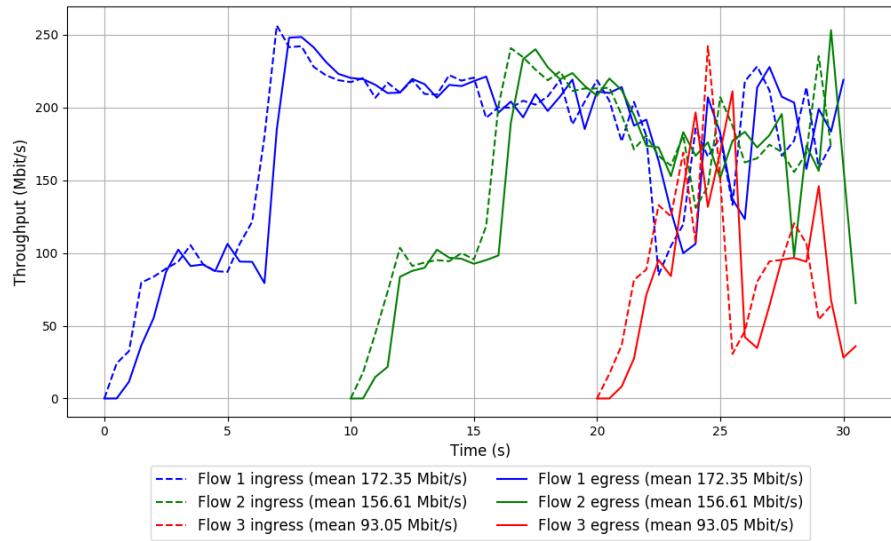


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-25 06:53:53
End at: 2018-05-25 06:54:23
Local clock offset: 0.076 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2018-05-25 09:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 306.67 Mbit/s
95th percentile per-packet one-way delay: 143.129 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.35 Mbit/s
95th percentile per-packet one-way delay: 138.661 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 156.61 Mbit/s
95th percentile per-packet one-way delay: 147.746 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: 152.492 ms
Loss rate: 0.00%
```

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

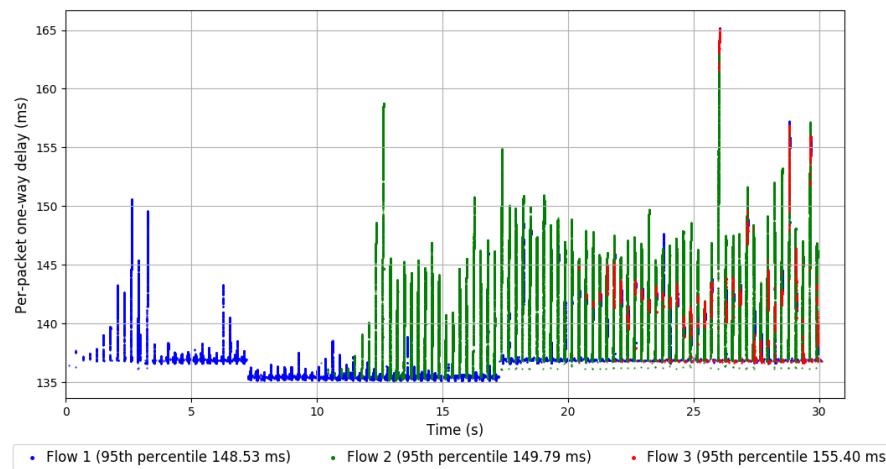
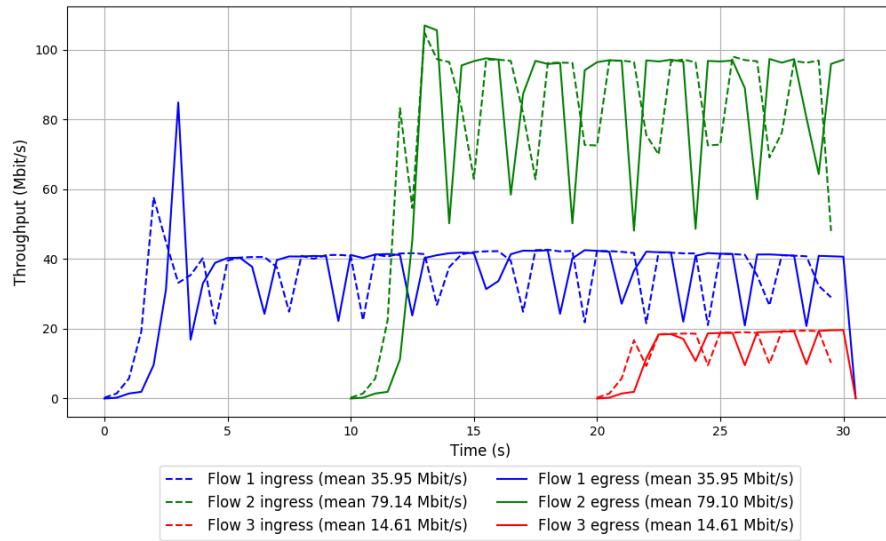


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-25 03:15:49
End at: 2018-05-25 03:16:19
Local clock offset: 0.061 ms
Remote clock offset: 0.132 ms

# Below is generated by plot.py at 2018-05-25 09:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 149.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 148.535 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 79.10 Mbit/s
95th percentile per-packet one-way delay: 149.794 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.61 Mbit/s
95th percentile per-packet one-way delay: 155.396 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

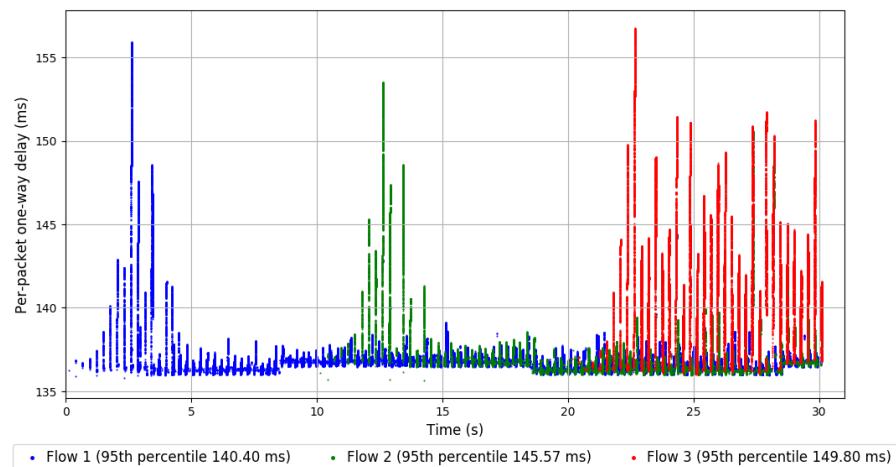
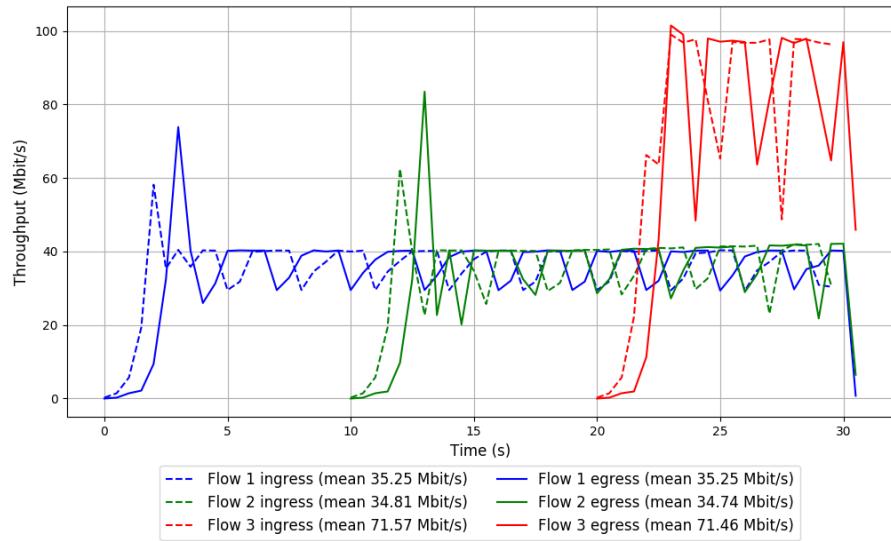


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-25 03:40:37
End at: 2018-05-25 03:41:07
Local clock offset: -0.168 ms
Remote clock offset: -0.187 ms

# Below is generated by plot.py at 2018-05-25 09:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.12 Mbit/s
95th percentile per-packet one-way delay: 147.338 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 35.25 Mbit/s
95th percentile per-packet one-way delay: 140.403 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 145.575 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 71.46 Mbit/s
95th percentile per-packet one-way delay: 149.799 ms
Loss rate: 0.14%
```

Run 2: Report of TCP Vegas — Data Link

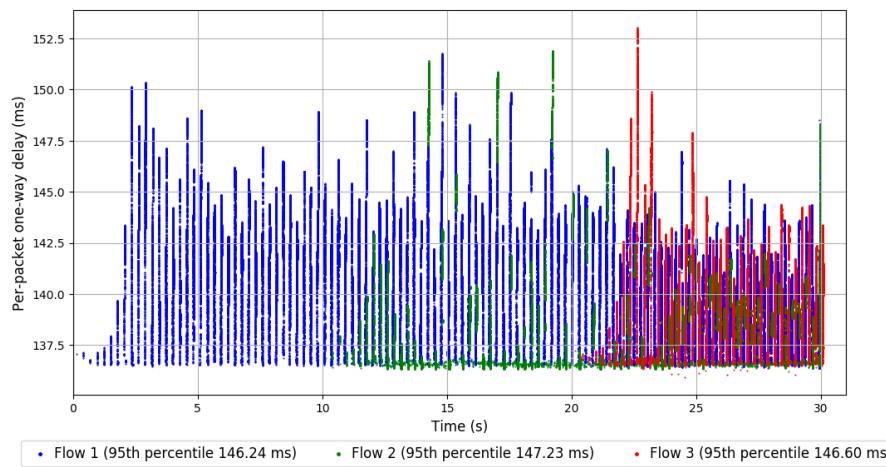
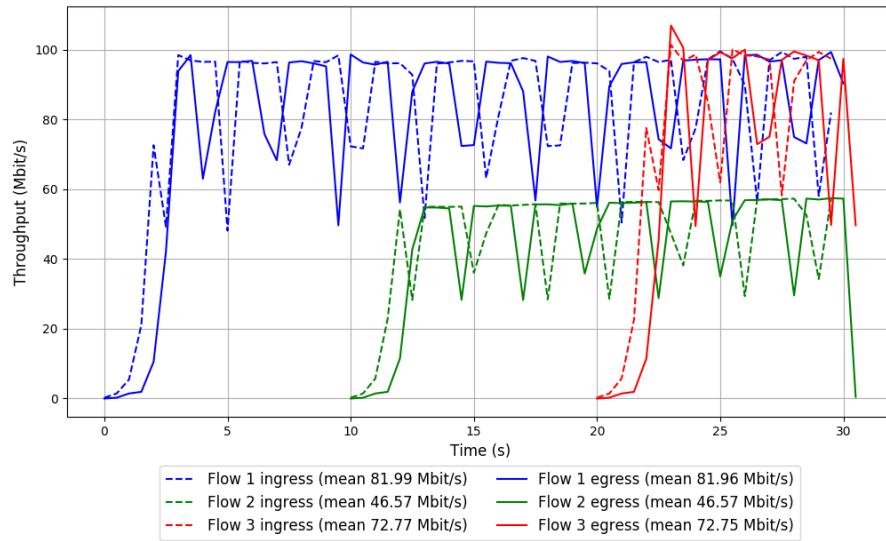


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-25 04:05:42
End at: 2018-05-25 04:06:12
Local clock offset: -0.113 ms
Remote clock offset: -0.2 ms

# Below is generated by plot.py at 2018-05-25 09:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 136.76 Mbit/s
95th percentile per-packet one-way delay: 146.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.96 Mbit/s
95th percentile per-packet one-way delay: 146.237 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.57 Mbit/s
95th percentile per-packet one-way delay: 147.234 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 72.75 Mbit/s
95th percentile per-packet one-way delay: 146.605 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

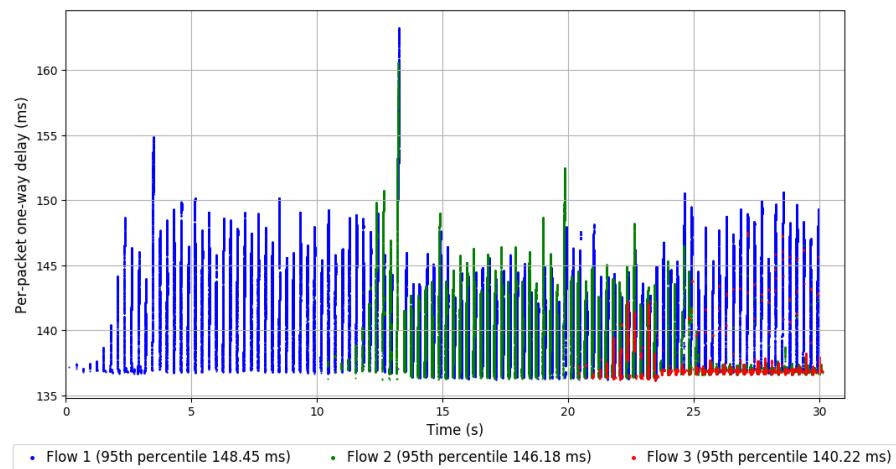
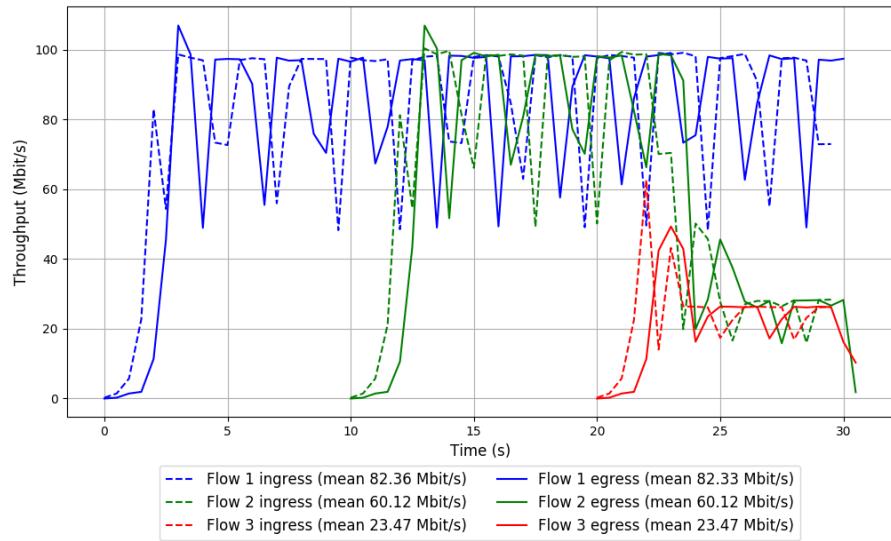


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-25 04:30:32
End at: 2018-05-25 04:31:02
Local clock offset: -0.373 ms
Remote clock offset: -0.15 ms

# Below is generated by plot.py at 2018-05-25 09:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 129.70 Mbit/s
95th percentile per-packet one-way delay: 148.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.33 Mbit/s
95th percentile per-packet one-way delay: 148.451 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.12 Mbit/s
95th percentile per-packet one-way delay: 146.184 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.47 Mbit/s
95th percentile per-packet one-way delay: 140.216 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

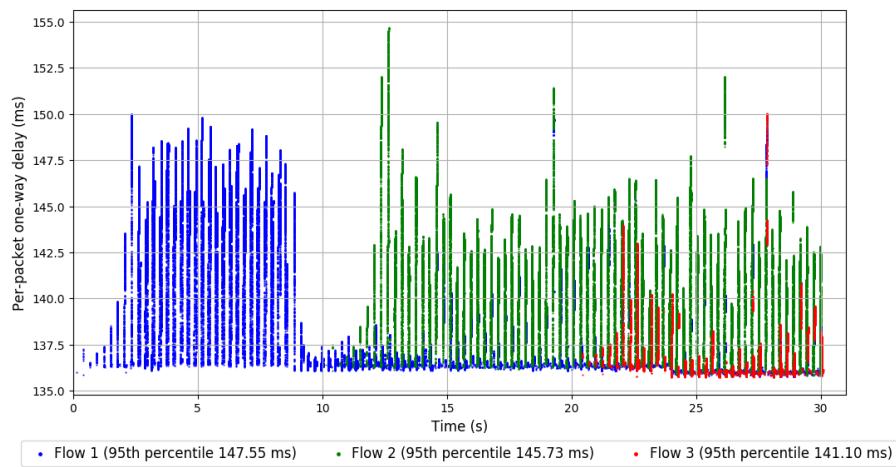
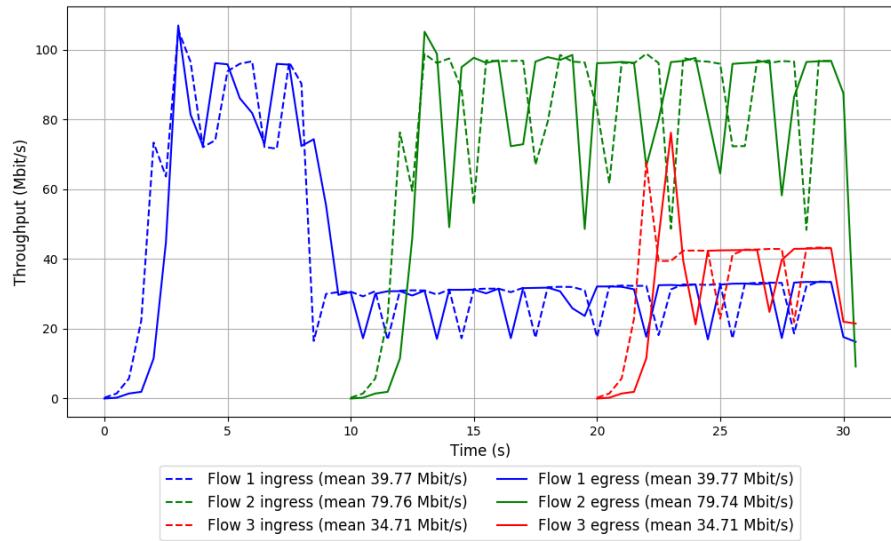


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-25 04:55:12
End at: 2018-05-25 04:55:42
Local clock offset: 0.119 ms
Remote clock offset: -0.183 ms

# Below is generated by plot.py at 2018-05-25 09:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 104.11 Mbit/s
95th percentile per-packet one-way delay: 146.522 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 147.547 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 79.74 Mbit/s
95th percentile per-packet one-way delay: 145.731 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 141.103 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

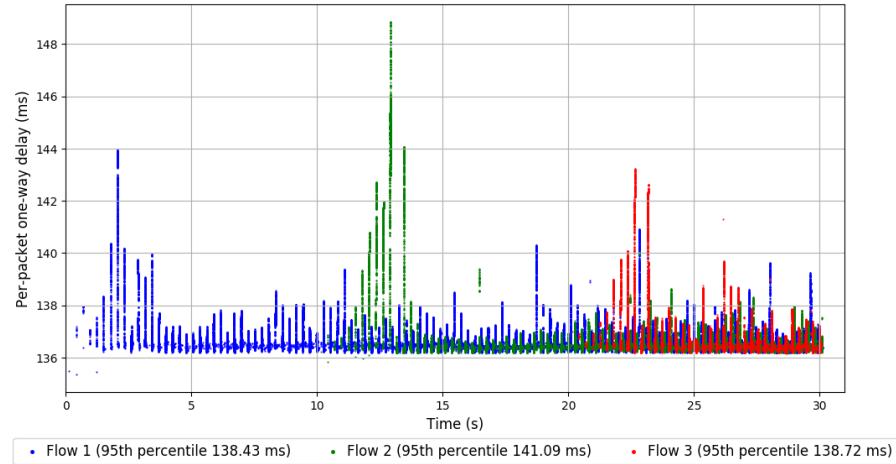
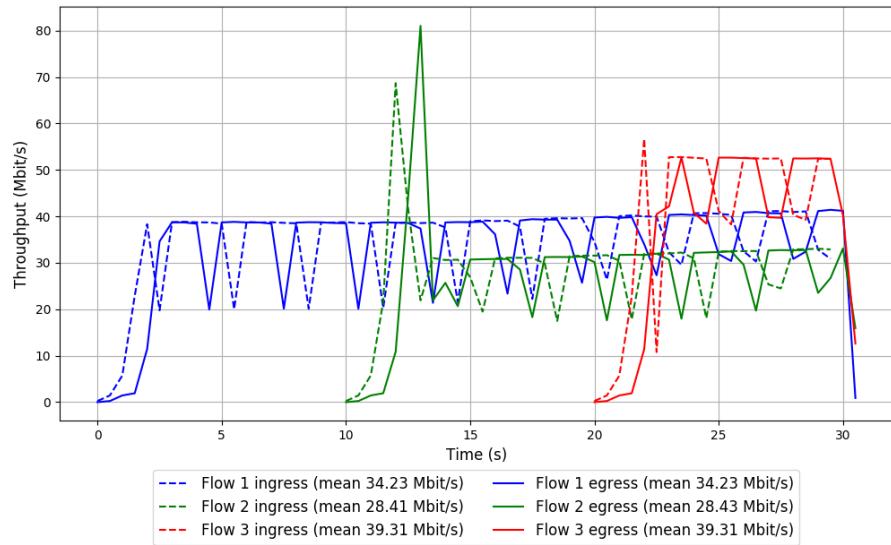


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-25 05:20:07
End at: 2018-05-25 05:20:37
Local clock offset: 0.22 ms
Remote clock offset: -0.173 ms

# Below is generated by plot.py at 2018-05-25 09:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.20 Mbit/s
95th percentile per-packet one-way delay: 139.196 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.23 Mbit/s
95th percentile per-packet one-way delay: 138.425 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.43 Mbit/s
95th percentile per-packet one-way delay: 141.090 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.31 Mbit/s
95th percentile per-packet one-way delay: 138.725 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

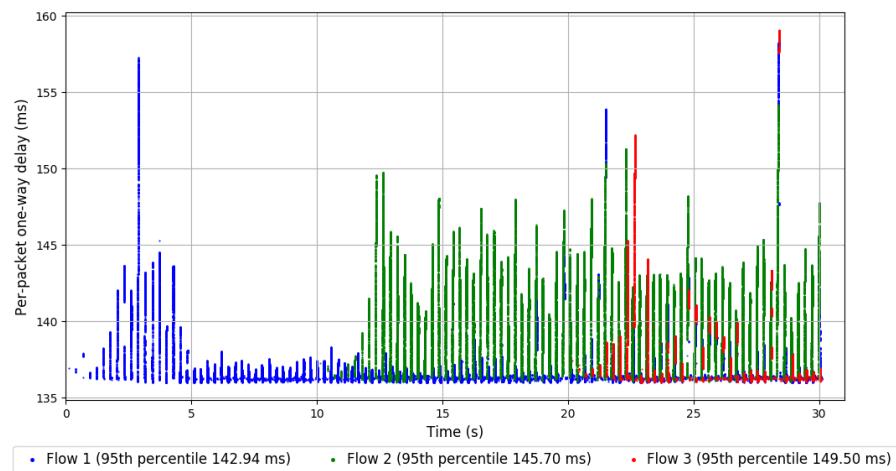
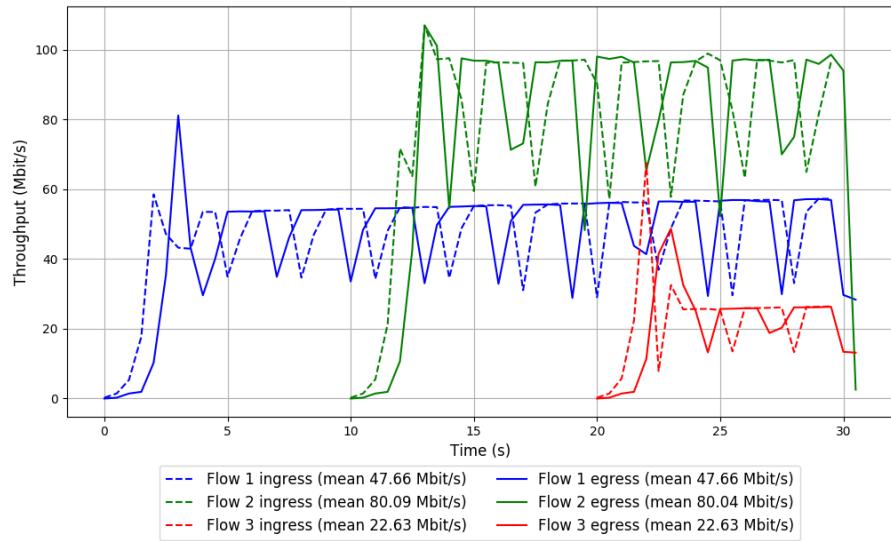


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-25 05:45:04
End at: 2018-05-25 05:45:34
Local clock offset: -0.007 ms
Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2018-05-25 09:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 108.20 Mbit/s
95th percentile per-packet one-way delay: 145.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.66 Mbit/s
95th percentile per-packet one-way delay: 142.944 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 80.04 Mbit/s
95th percentile per-packet one-way delay: 145.698 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.63 Mbit/s
95th percentile per-packet one-way delay: 149.503 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link

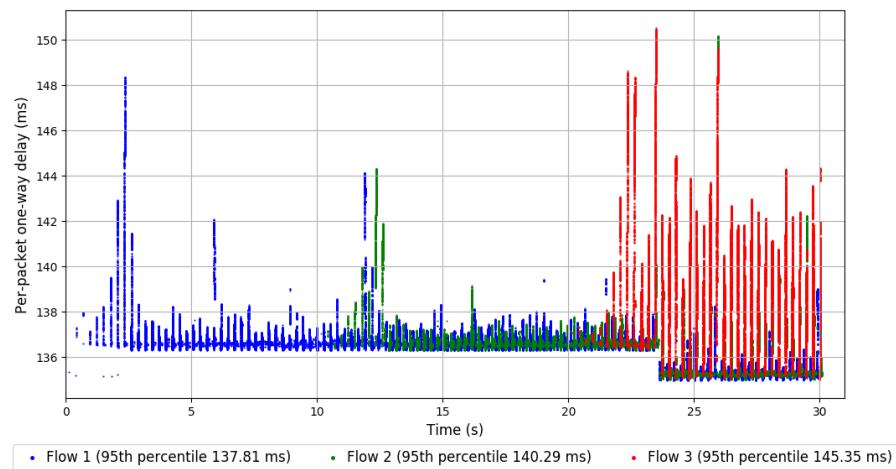
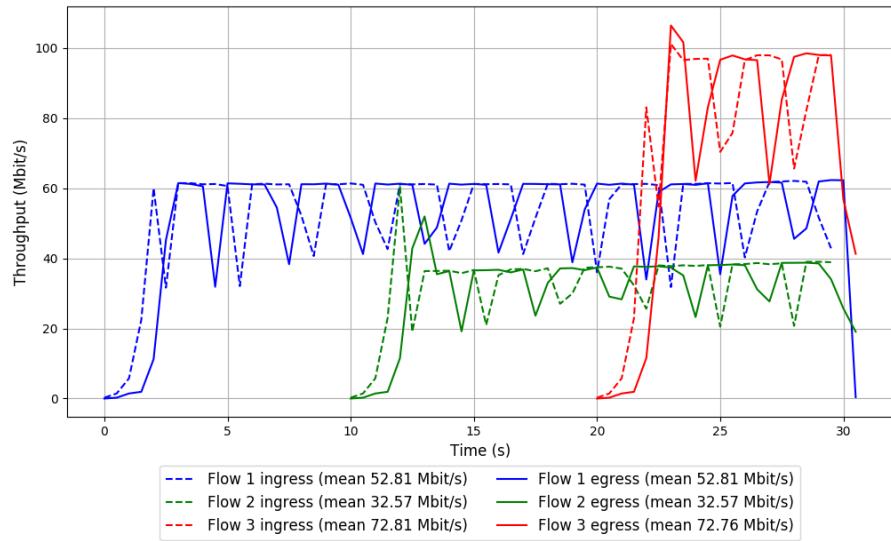


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-25 06:10:02
End at: 2018-05-25 06:10:32
Local clock offset: -0.078 ms
Remote clock offset: -0.194 ms

# Below is generated by plot.py at 2018-05-25 09:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 98.49 Mbit/s
95th percentile per-packet one-way delay: 141.909 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.81 Mbit/s
95th percentile per-packet one-way delay: 137.814 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 140.289 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 72.76 Mbit/s
95th percentile per-packet one-way delay: 145.352 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

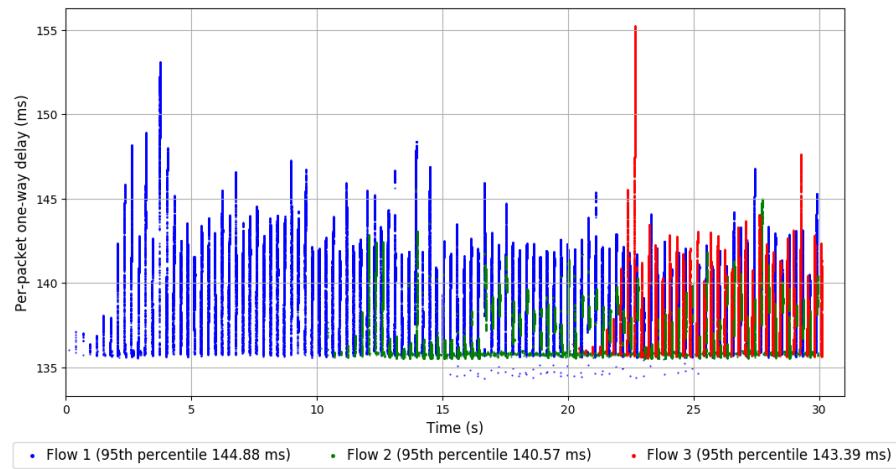
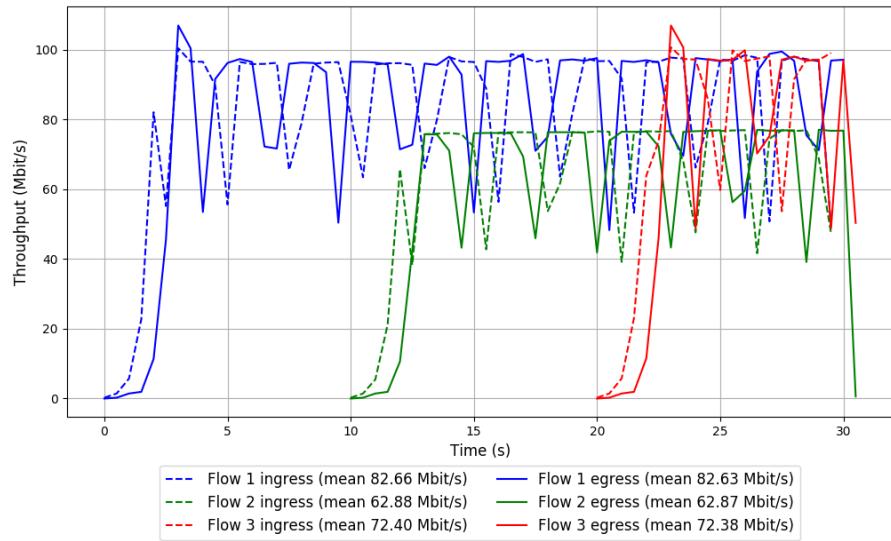


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-25 06:34:31
End at: 2018-05-25 06:35:01
Local clock offset: 0.32 ms
Remote clock offset: -0.53 ms

# Below is generated by plot.py at 2018-05-25 09:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 147.94 Mbit/s
95th percentile per-packet one-way delay: 143.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.63 Mbit/s
95th percentile per-packet one-way delay: 144.875 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.87 Mbit/s
95th percentile per-packet one-way delay: 140.572 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 72.38 Mbit/s
95th percentile per-packet one-way delay: 143.392 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

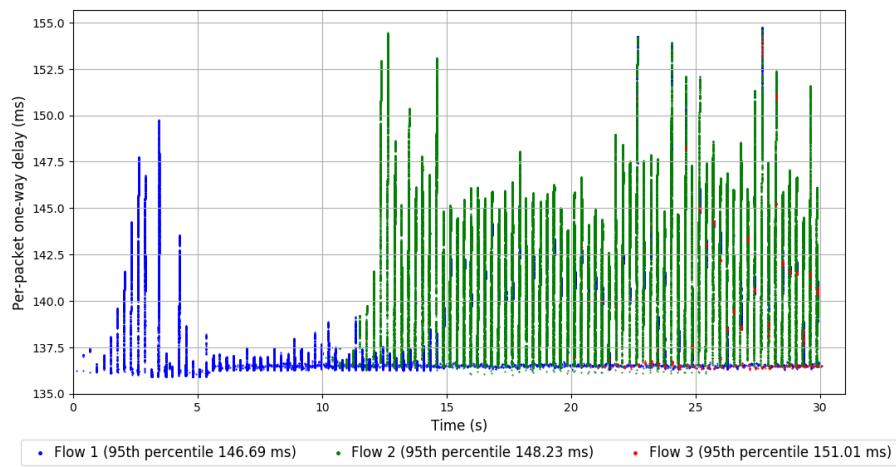
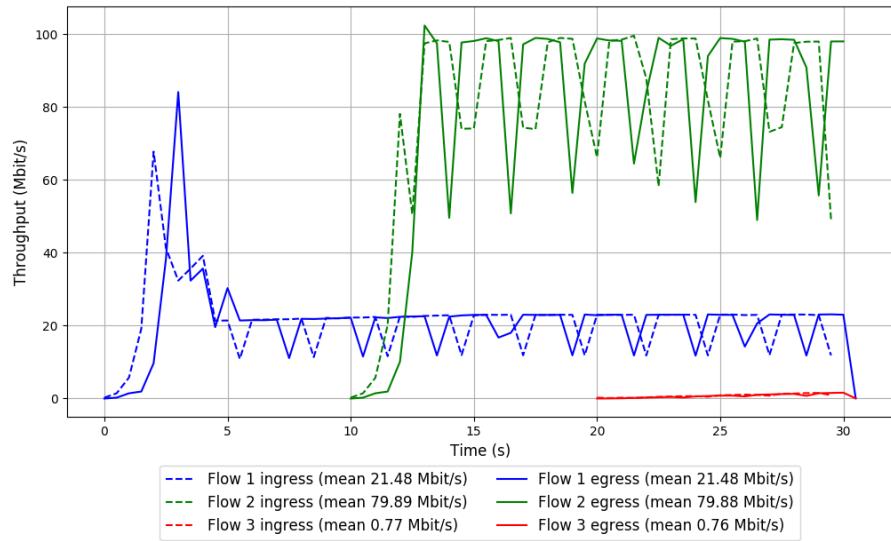


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-25 07:00:00
End at: 2018-05-25 07:00:30
Local clock offset: 0.008 ms
Remote clock offset: -0.142 ms

# Below is generated by plot.py at 2018-05-25 09:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.42 Mbit/s
95th percentile per-packet one-way delay: 148.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.48 Mbit/s
95th percentile per-packet one-way delay: 146.691 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 79.88 Mbit/s
95th percentile per-packet one-way delay: 148.233 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 151.012 ms
Loss rate: 1.41%
```

Run 10: Report of TCP Vegas — Data Link

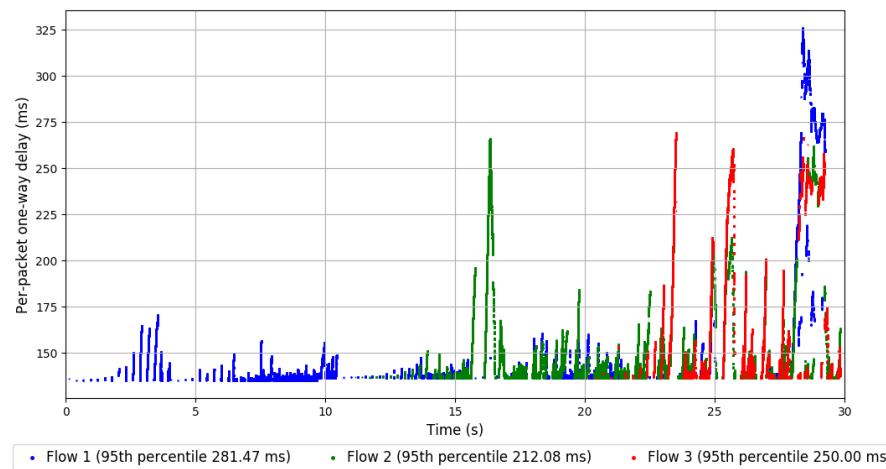
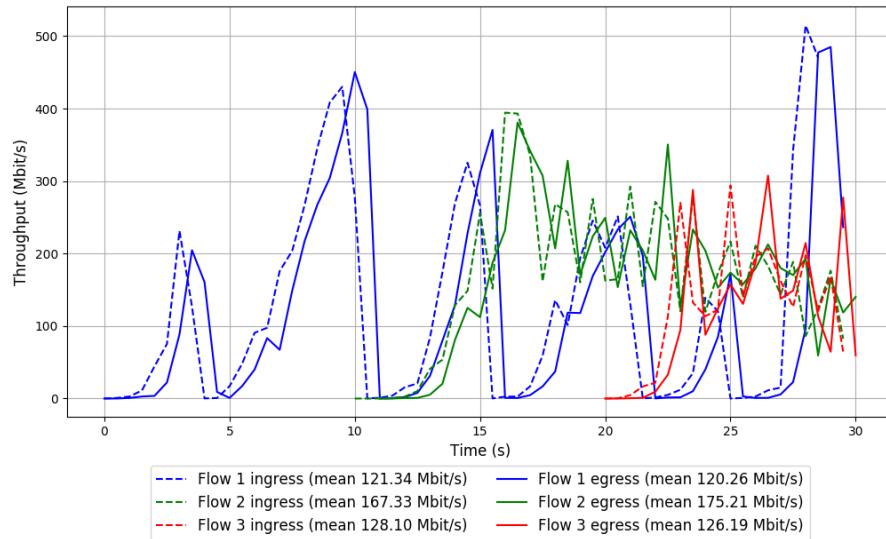


Run 1: Statistics of Verus

```
Start at: 2018-05-25 03:21:26
End at: 2018-05-25 03:21:56
Local clock offset: -0.467 ms
Remote clock offset: -0.579 ms

# Below is generated by plot.py at 2018-05-25 09:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 269.17 Mbit/s
95th percentile per-packet one-way delay: 264.314 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 120.26 Mbit/s
95th percentile per-packet one-way delay: 281.466 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 175.21 Mbit/s
95th percentile per-packet one-way delay: 212.079 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 126.19 Mbit/s
95th percentile per-packet one-way delay: 249.999 ms
Loss rate: 1.48%
```

Run 1: Report of Verus — Data Link

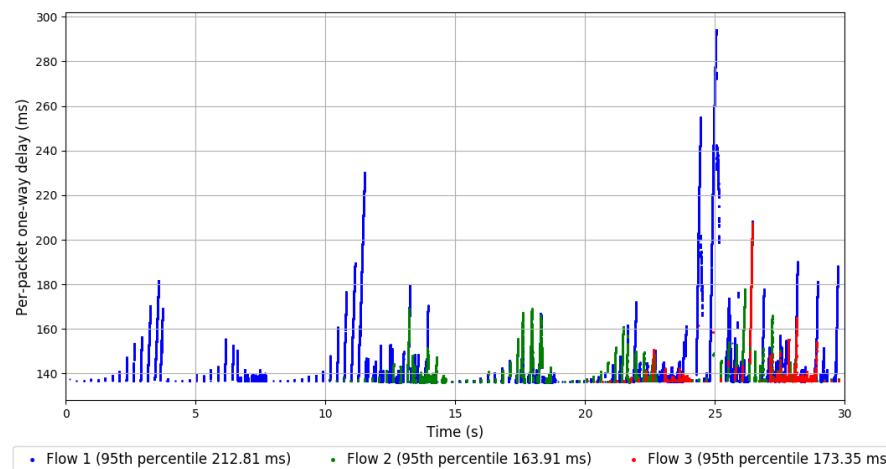
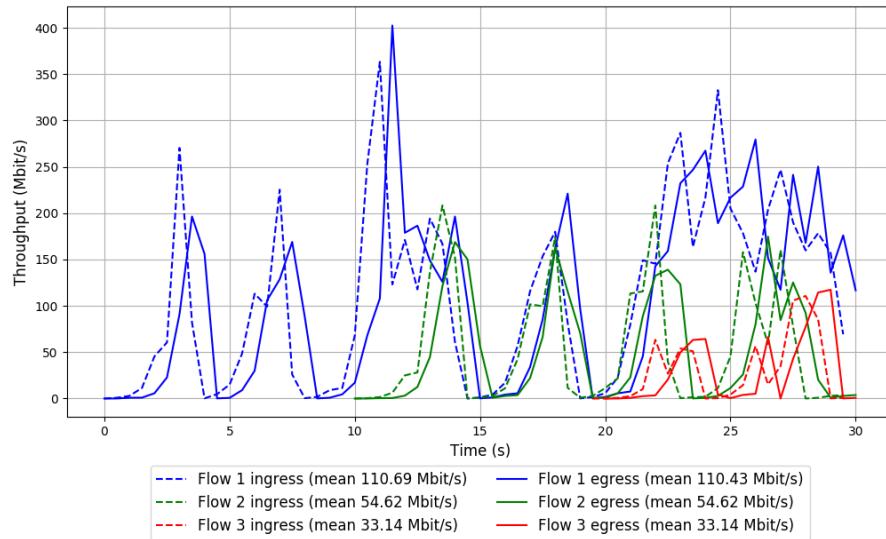


Run 2: Statistics of Verus

```
Start at: 2018-05-25 03:46:14
End at: 2018-05-25 03:46:44
Local clock offset: -0.045 ms
Remote clock offset: -0.18 ms

# Below is generated by plot.py at 2018-05-25 09:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 157.28 Mbit/s
95th percentile per-packet one-way delay: 197.053 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 110.43 Mbit/s
95th percentile per-packet one-way delay: 212.812 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 54.62 Mbit/s
95th percentile per-packet one-way delay: 163.909 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.14 Mbit/s
95th percentile per-packet one-way delay: 173.353 ms
Loss rate: 0.01%
```

Run 2: Report of Verus — Data Link

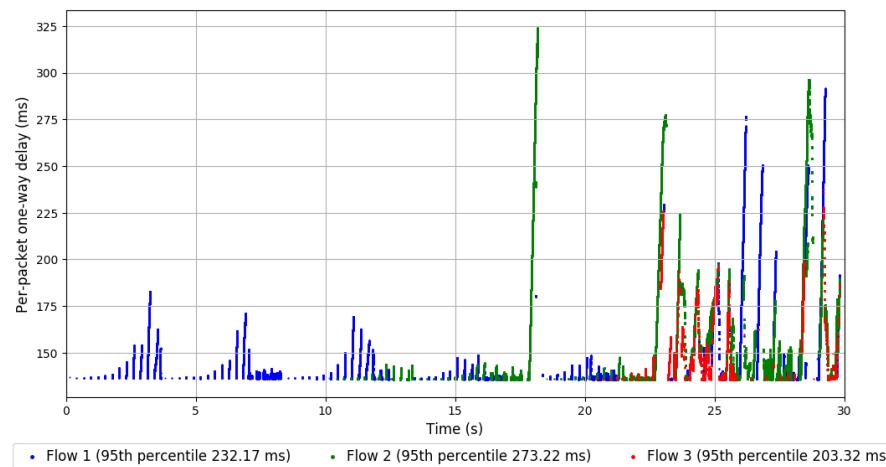
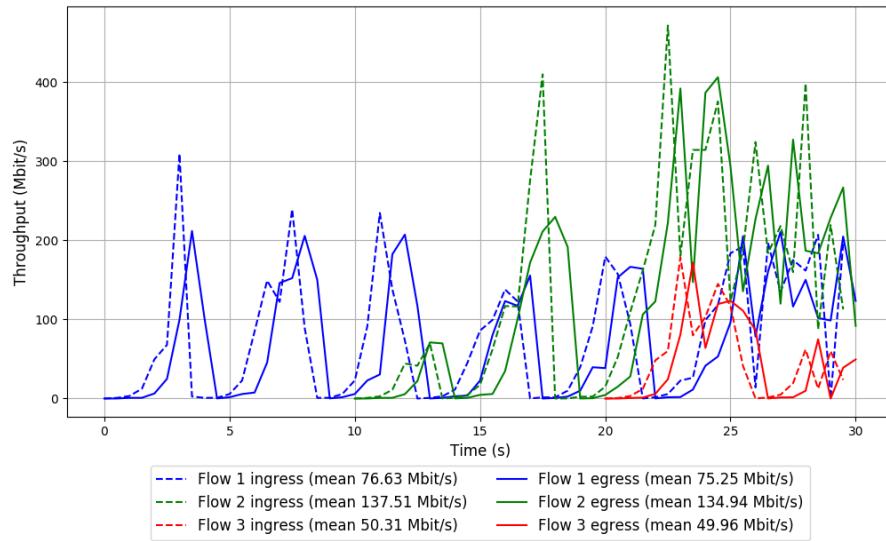


Run 3: Statistics of Verus

```
Start at: 2018-05-25 04:11:26
End at: 2018-05-25 04:11:56
Local clock offset: 0.117 ms
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2018-05-25 09:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 180.96 Mbit/s
95th percentile per-packet one-way delay: 254.469 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 75.25 Mbit/s
95th percentile per-packet one-way delay: 232.172 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 134.94 Mbit/s
95th percentile per-packet one-way delay: 273.223 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 49.96 Mbit/s
95th percentile per-packet one-way delay: 203.318 ms
Loss rate: 0.77%
```

Run 3: Report of Verus — Data Link

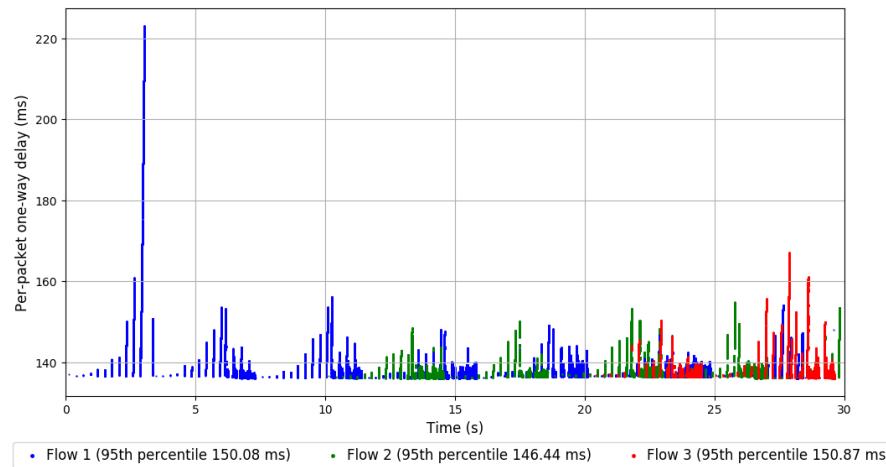
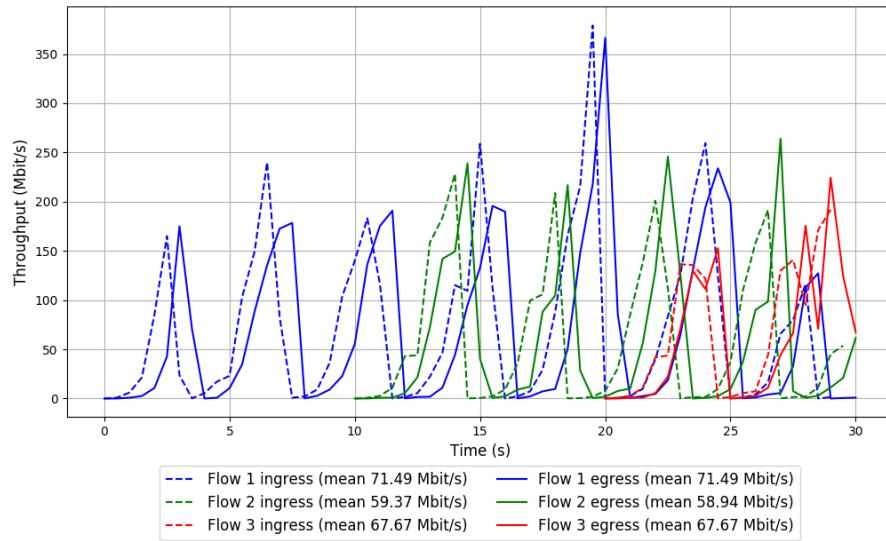


Run 4: Statistics of Verus

```
Start at: 2018-05-25 04:36:09
End at: 2018-05-25 04:36:39
Local clock offset: -0.152 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-05-25 09:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 131.58 Mbit/s
95th percentile per-packet one-way delay: 148.487 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 71.49 Mbit/s
95th percentile per-packet one-way delay: 150.082 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 146.439 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 67.67 Mbit/s
95th percentile per-packet one-way delay: 150.872 ms
Loss rate: 0.00%
```

Run 4: Report of Verus — Data Link

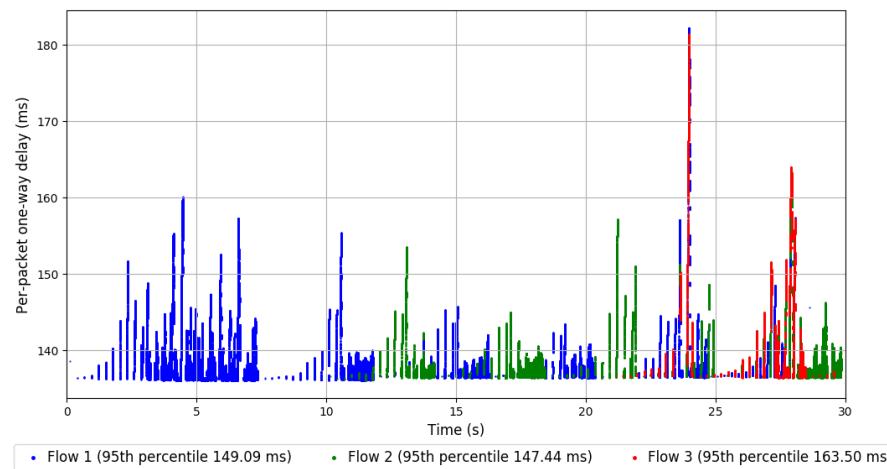
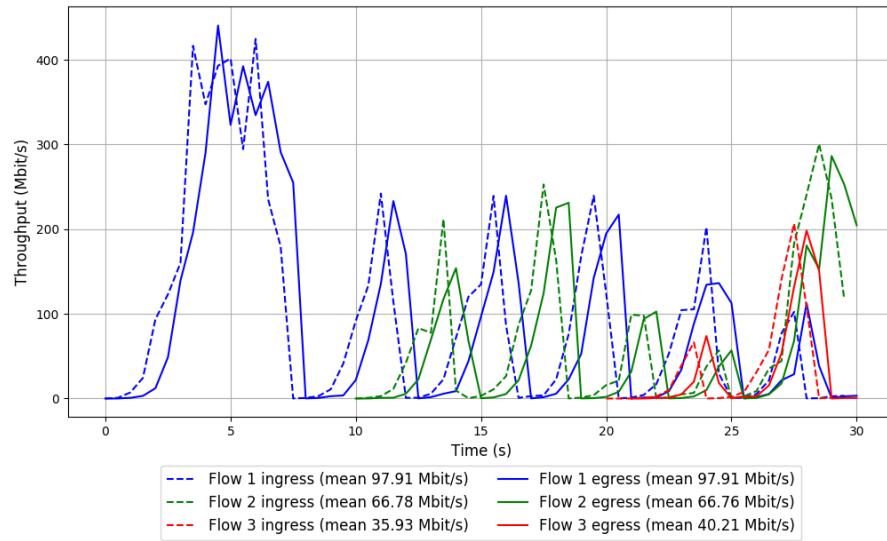


Run 5: Statistics of Verus

```
Start at: 2018-05-25 05:00:54
End at: 2018-05-25 05:01:24
Local clock offset: -0.177 ms
Remote clock offset: -0.221 ms

# Below is generated by plot.py at 2018-05-25 09:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 153.15 Mbit/s
95th percentile per-packet one-way delay: 150.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.91 Mbit/s
95th percentile per-packet one-way delay: 149.086 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.76 Mbit/s
95th percentile per-packet one-way delay: 147.437 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 163.500 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link

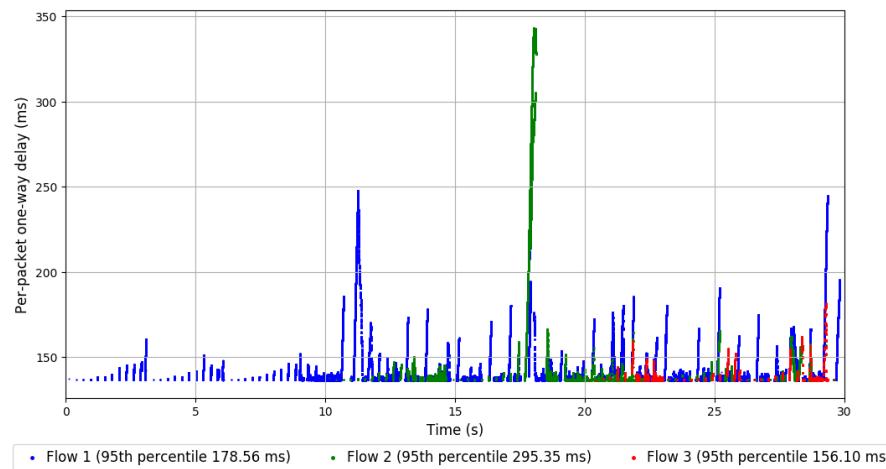
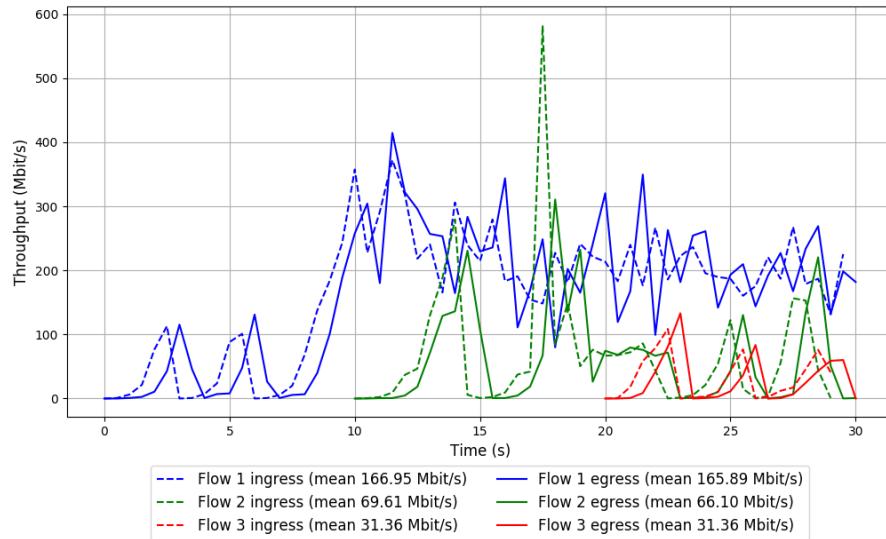


Run 6: Statistics of Verus

```
Start at: 2018-05-25 05:25:35
End at: 2018-05-25 05:26:05
Local clock offset: -0.063 ms
Remote clock offset: -0.175 ms

# Below is generated by plot.py at 2018-05-25 09:01:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 219.13 Mbit/s
95th percentile per-packet one-way delay: 188.483 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 165.89 Mbit/s
95th percentile per-packet one-way delay: 178.565 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 66.10 Mbit/s
95th percentile per-packet one-way delay: 295.353 ms
Loss rate: 5.06%
-- Flow 3:
Average throughput: 31.36 Mbit/s
95th percentile per-packet one-way delay: 156.099 ms
Loss rate: 0.00%
```

Run 6: Report of Verus — Data Link

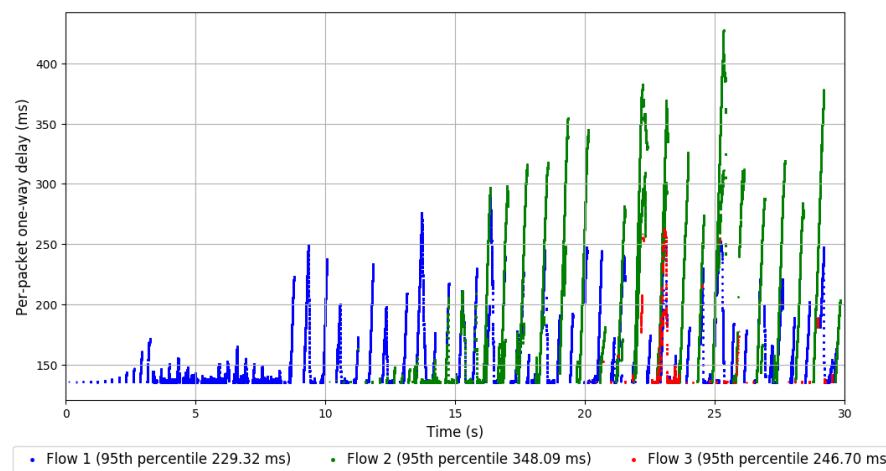
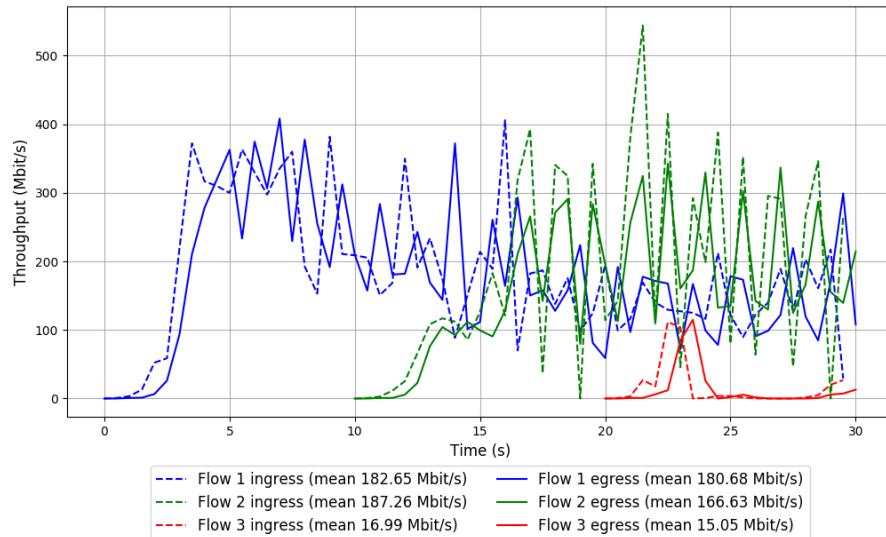


Run 7: Statistics of Verus

```
Start at: 2018-05-25 05:50:36
End at: 2018-05-25 05:51:06
Local clock offset: 0.08 ms
Remote clock offset: -0.56 ms

# Below is generated by plot.py at 2018-05-25 09:03:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 295.50 Mbit/s
95th percentile per-packet one-way delay: 308.953 ms
Loss rate: 5.10%
-- Flow 1:
Average throughput: 180.68 Mbit/s
95th percentile per-packet one-way delay: 229.316 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 166.63 Mbit/s
95th percentile per-packet one-way delay: 348.090 ms
Loss rate: 10.83%
-- Flow 3:
Average throughput: 15.05 Mbit/s
95th percentile per-packet one-way delay: 246.699 ms
Loss rate: 14.05%
```

Run 7: Report of Verus — Data Link

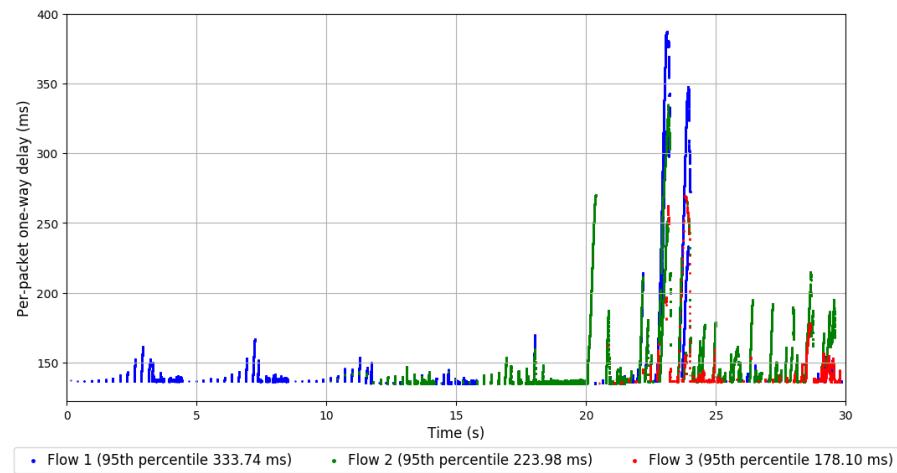
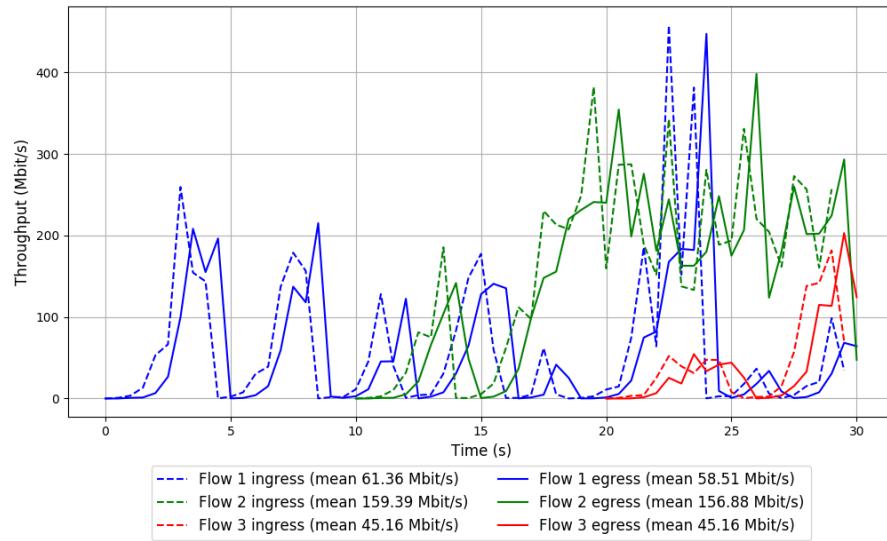


Run 8: Statistics of Verus

```
Start at: 2018-05-25 06:15:34
End at: 2018-05-25 06:16:04
Local clock offset: -0.223 ms
Remote clock offset: -0.267 ms

# Below is generated by plot.py at 2018-05-25 09:03:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 175.62 Mbit/s
95th percentile per-packet one-way delay: 266.386 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 58.51 Mbit/s
95th percentile per-packet one-way delay: 333.736 ms
Loss rate: 4.64%
-- Flow 2:
Average throughput: 156.88 Mbit/s
95th percentile per-packet one-way delay: 223.984 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 45.16 Mbit/s
95th percentile per-packet one-way delay: 178.105 ms
Loss rate: 0.91%
```

Run 8: Report of Verus — Data Link

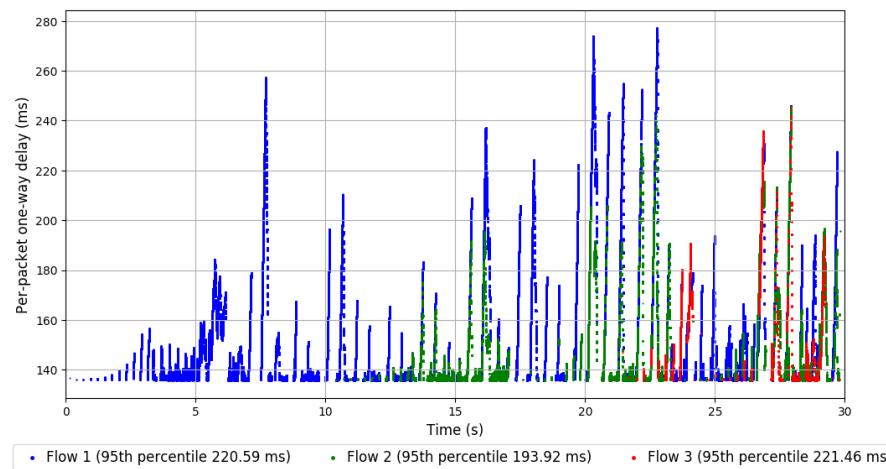
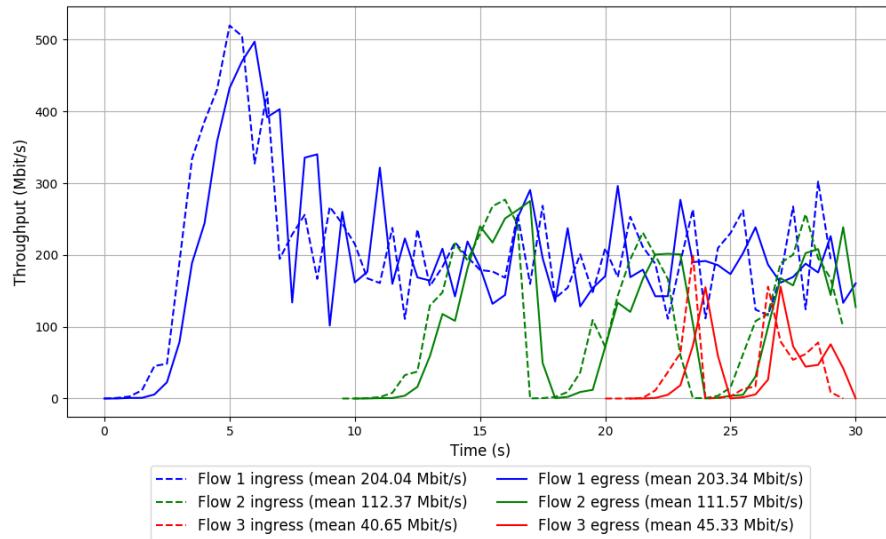


Run 9: Statistics of Verus

```
Start at: 2018-05-25 06:40:11
End at: 2018-05-25 06:40:41
Local clock offset: 0.411 ms
Remote clock offset: -0.146 ms

# Below is generated by plot.py at 2018-05-25 09:03:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 289.62 Mbit/s
95th percentile per-packet one-way delay: 215.971 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 203.34 Mbit/s
95th percentile per-packet one-way delay: 220.594 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 111.57 Mbit/s
95th percentile per-packet one-way delay: 193.919 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 45.33 Mbit/s
95th percentile per-packet one-way delay: 221.464 ms
Loss rate: 0.04%
```

Run 9: Report of Verus — Data Link

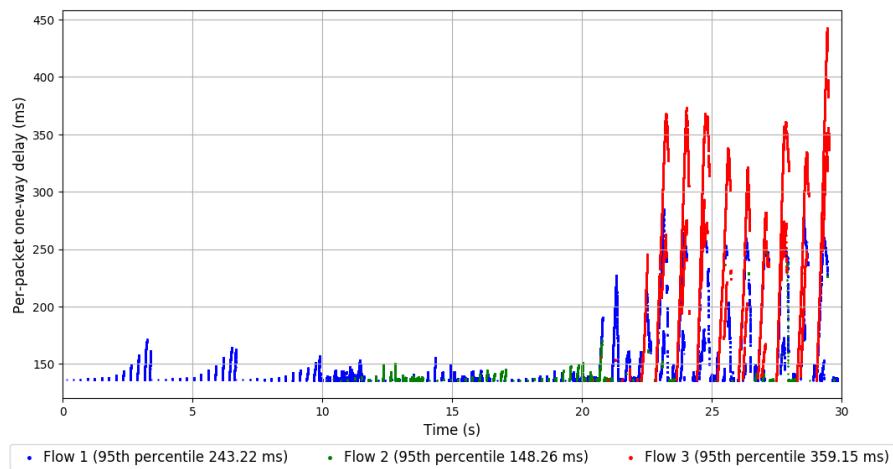
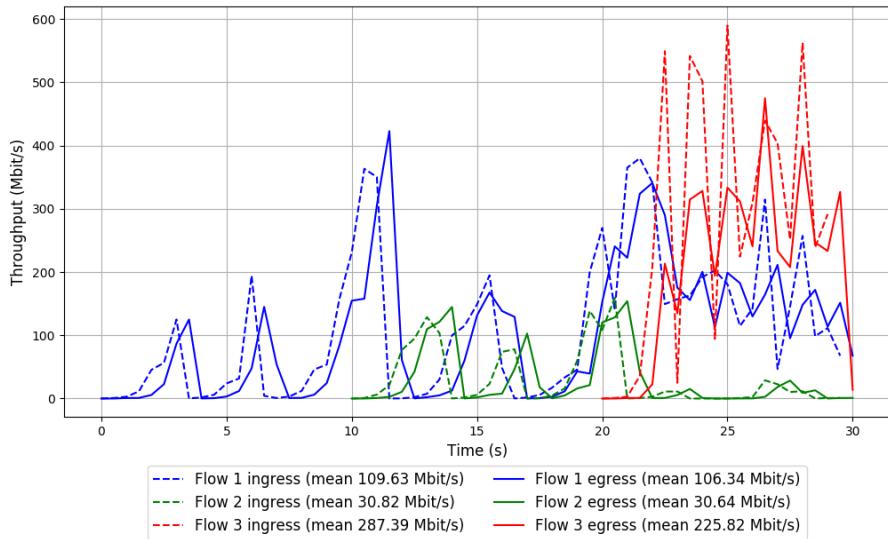


Run 10: Statistics of Verus

```
Start at: 2018-05-25 07:05:38
End at: 2018-05-25 07:06:08
Local clock offset: 0.118 ms
Remote clock offset: -0.197 ms

# Below is generated by plot.py at 2018-05-25 09:03:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 197.77 Mbit/s
95th percentile per-packet one-way delay: 336.431 ms
Loss rate: 9.57%
-- Flow 1:
Average throughput: 106.34 Mbit/s
95th percentile per-packet one-way delay: 243.219 ms
Loss rate: 3.02%
-- Flow 2:
Average throughput: 30.64 Mbit/s
95th percentile per-packet one-way delay: 148.259 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 225.82 Mbit/s
95th percentile per-packet one-way delay: 359.152 ms
Loss rate: 19.72%
```

Run 10: Report of Verus — Data Link

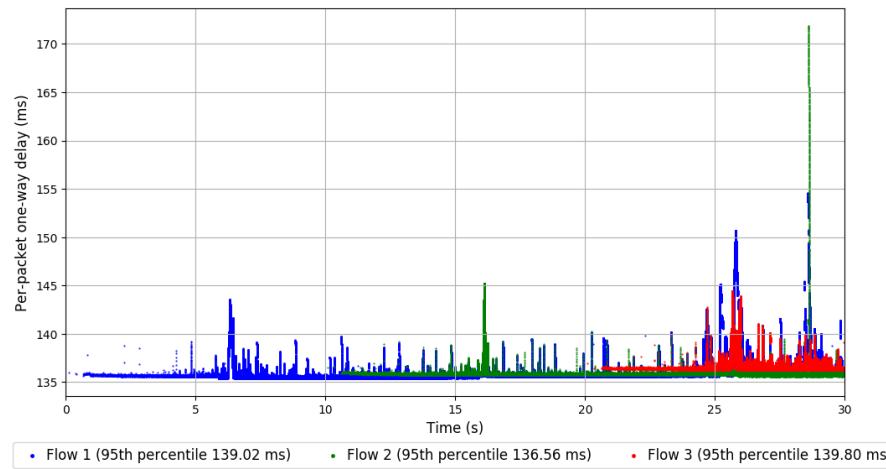
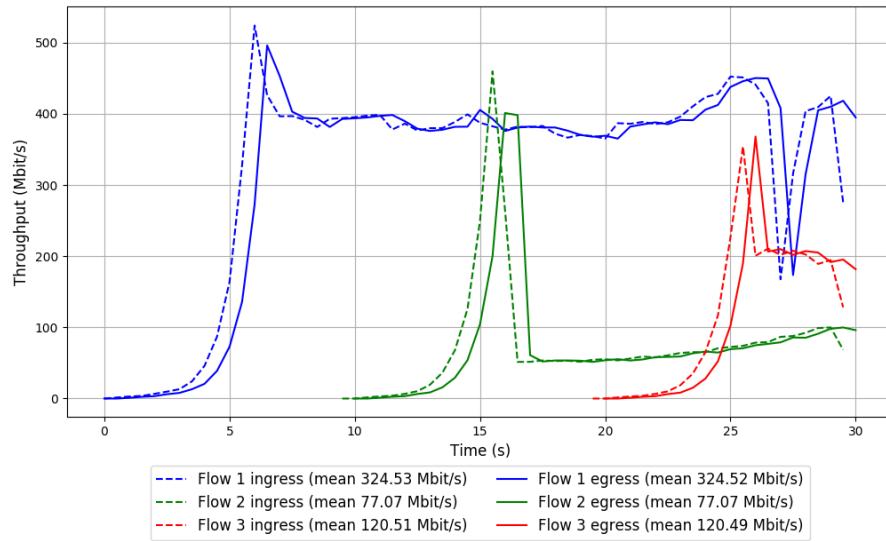


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2018-05-25 03:00:00
End at: 2018-05-25 03:00:30
Local clock offset: 0.209 ms
Remote clock offset: -0.164 ms

# Below is generated by plot.py at 2018-05-25 09:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 415.67 Mbit/s
95th percentile per-packet one-way delay: 138.976 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 324.52 Mbit/s
95th percentile per-packet one-way delay: 139.024 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.07 Mbit/s
95th percentile per-packet one-way delay: 136.561 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 120.49 Mbit/s
95th percentile per-packet one-way delay: 139.801 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Vivace — Data Link

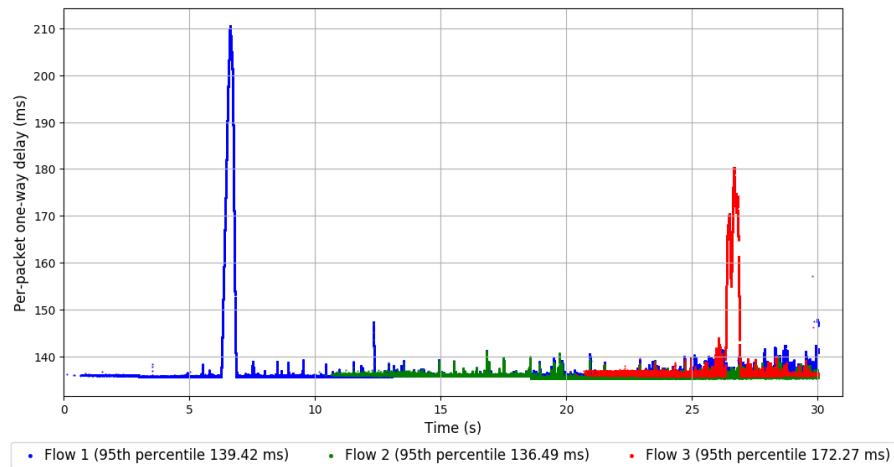
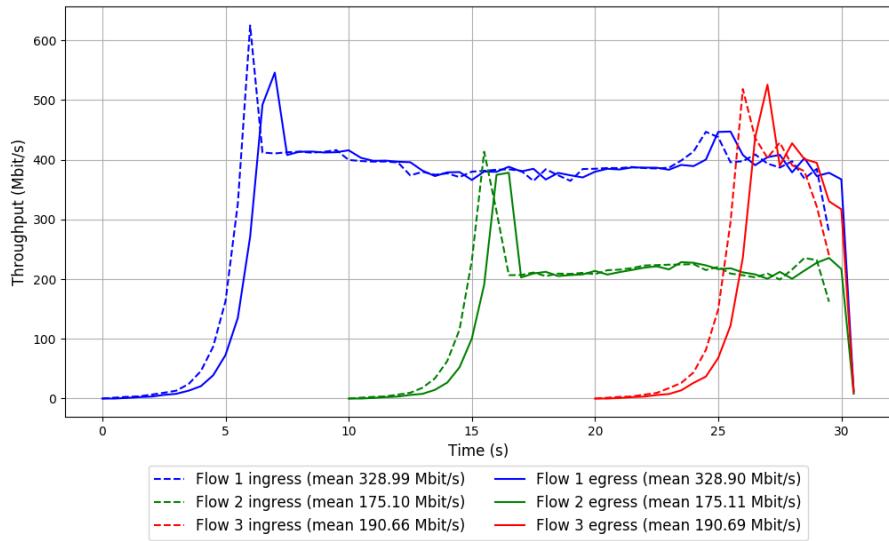


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-25 03:24:47
End at: 2018-05-25 03:25:17
Local clock offset: -0.034 ms
Remote clock offset: -0.189 ms

# Below is generated by plot.py at 2018-05-25 09:09:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 508.23 Mbit/s
95th percentile per-packet one-way delay: 140.227 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 328.90 Mbit/s
95th percentile per-packet one-way delay: 139.417 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 175.11 Mbit/s
95th percentile per-packet one-way delay: 136.493 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 190.69 Mbit/s
95th percentile per-packet one-way delay: 172.270 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

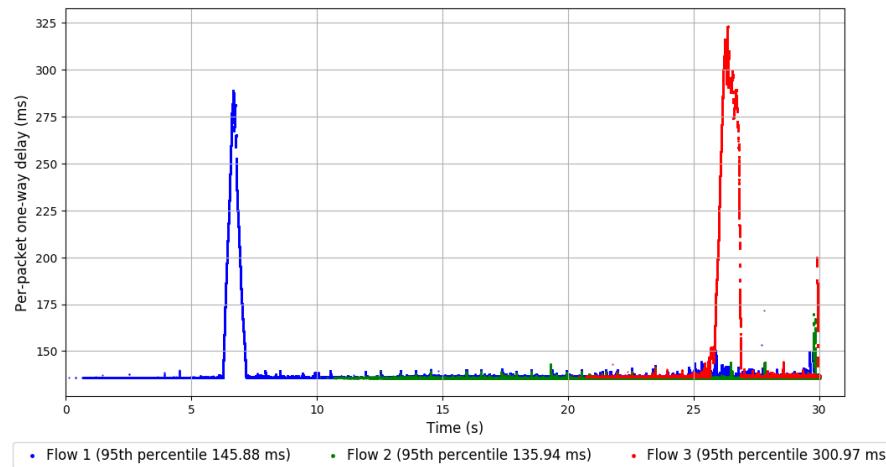
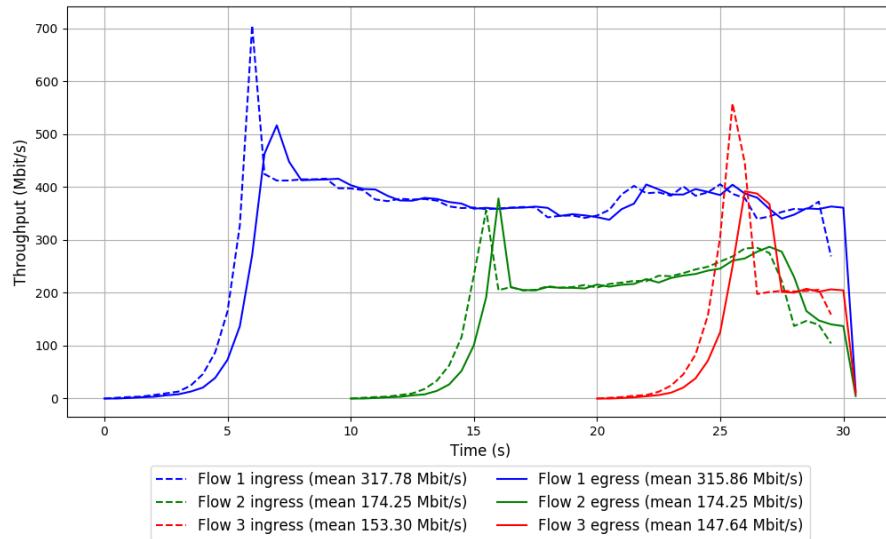


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-25 03:49:22
End at: 2018-05-25 03:49:52
Local clock offset: -0.008 ms
Remote clock offset: -0.166 ms

# Below is generated by plot.py at 2018-05-25 09:09:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 480.42 Mbit/s
95th percentile per-packet one-way delay: 181.113 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 315.86 Mbit/s
95th percentile per-packet one-way delay: 145.878 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 174.25 Mbit/s
95th percentile per-packet one-way delay: 135.938 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 147.64 Mbit/s
95th percentile per-packet one-way delay: 300.971 ms
Loss rate: 3.70%
```

Run 3: Report of PCC-Vivace — Data Link

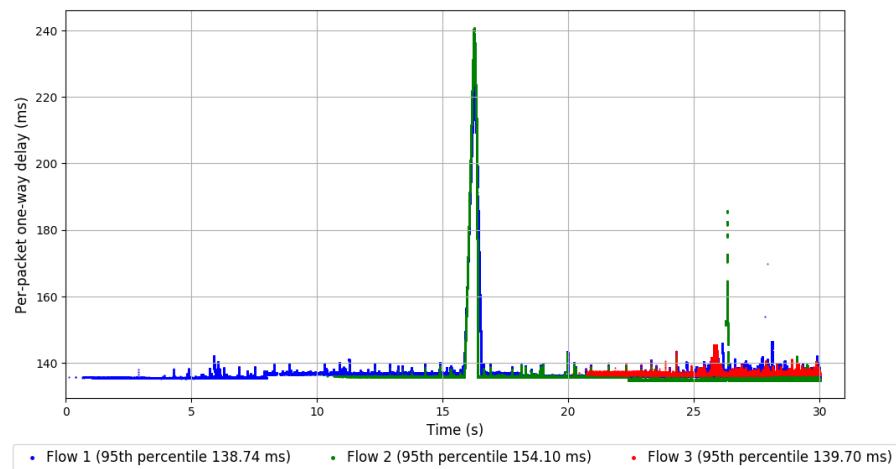
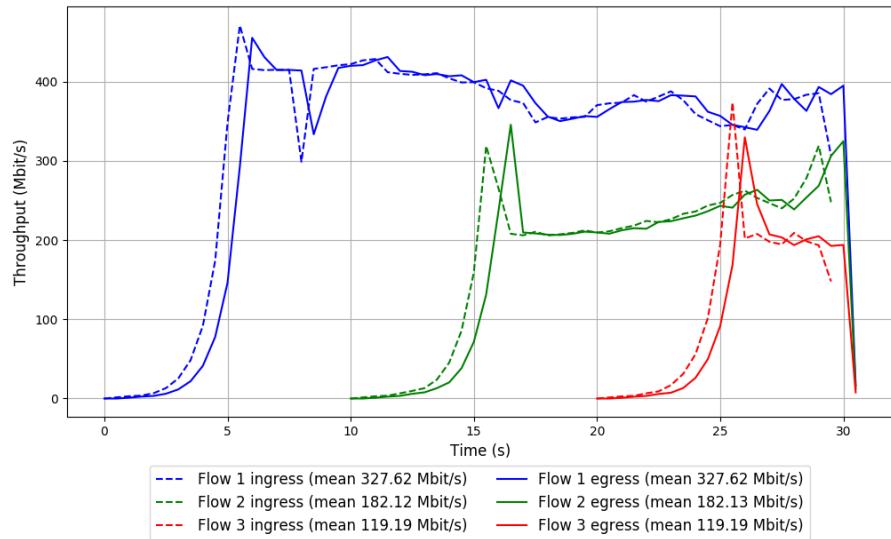


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-25 04:14:38
End at: 2018-05-25 04:15:08
Local clock offset: 0.183 ms
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2018-05-25 09:10:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 488.01 Mbit/s
95th percentile per-packet one-way delay: 139.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 327.62 Mbit/s
95th percentile per-packet one-way delay: 138.741 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 182.13 Mbit/s
95th percentile per-packet one-way delay: 154.100 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 119.19 Mbit/s
95th percentile per-packet one-way delay: 139.699 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Vivace — Data Link

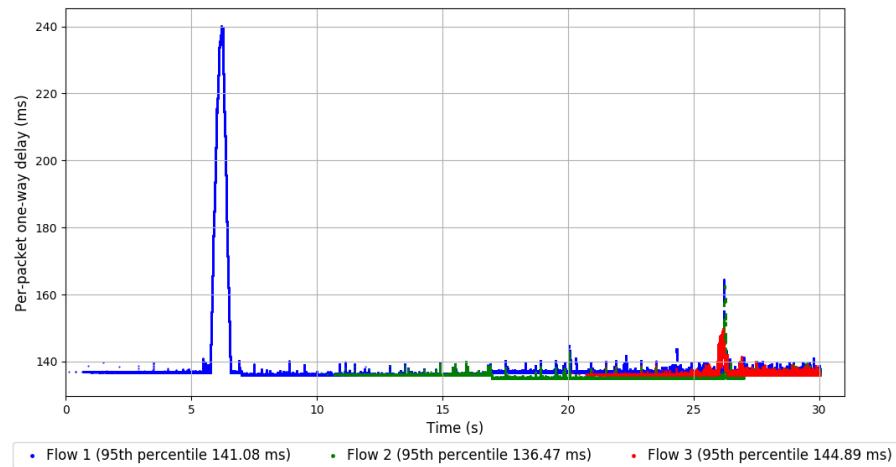
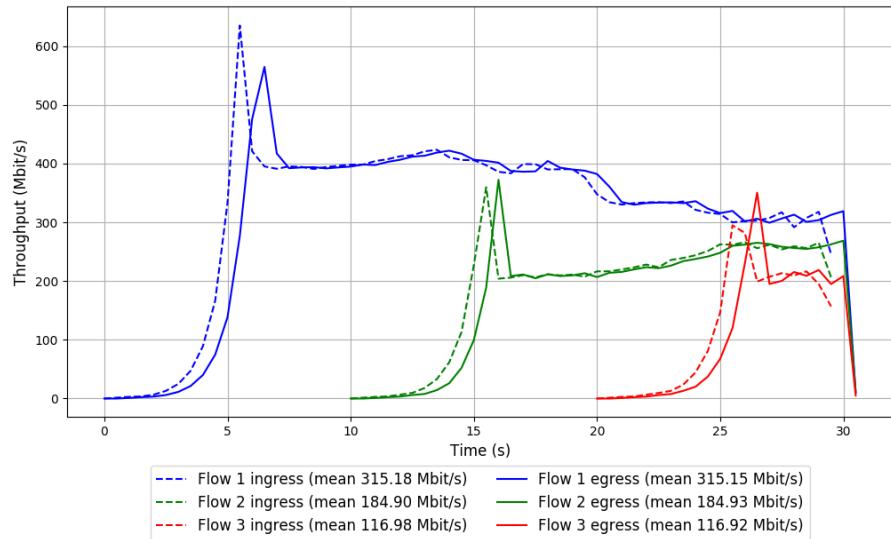


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-25 04:39:13
End at: 2018-05-25 04:39:43
Local clock offset: -0.039 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-05-25 09:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 476.68 Mbit/s
95th percentile per-packet one-way delay: 139.325 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 315.15 Mbit/s
95th percentile per-packet one-way delay: 141.077 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 184.93 Mbit/s
95th percentile per-packet one-way delay: 136.470 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.92 Mbit/s
95th percentile per-packet one-way delay: 144.887 ms
Loss rate: 0.08%
```

Run 5: Report of PCC-Vivace — Data Link

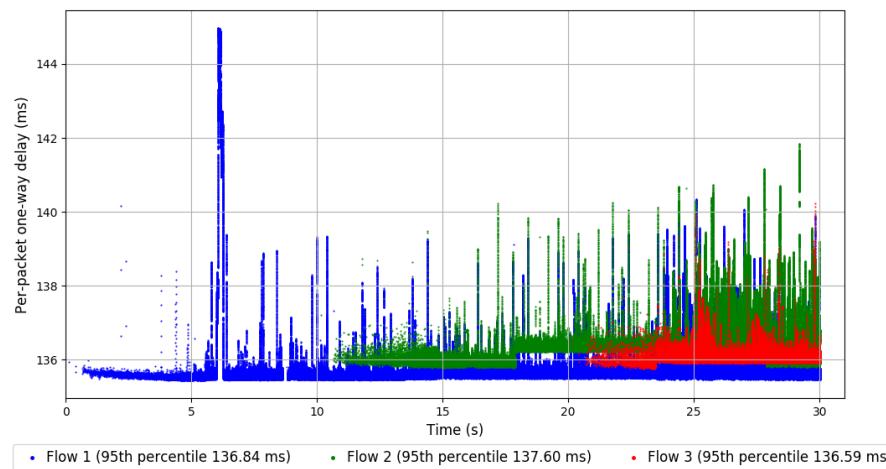
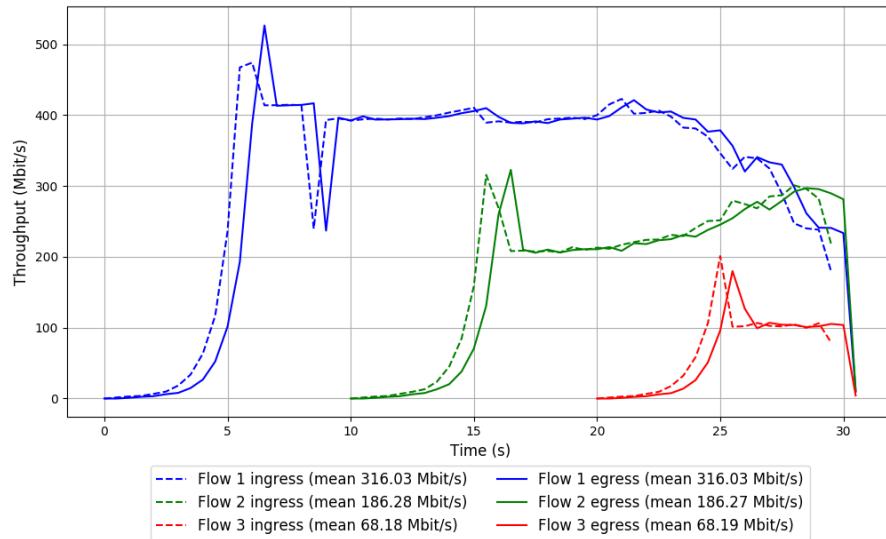


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-25 05:04:02
End at: 2018-05-25 05:04:32
Local clock offset: 0.045 ms
Remote clock offset: -0.188 ms

# Below is generated by plot.py at 2018-05-25 09:10:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 462.37 Mbit/s
95th percentile per-packet one-way delay: 137.165 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 316.03 Mbit/s
95th percentile per-packet one-way delay: 136.842 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 186.27 Mbit/s
95th percentile per-packet one-way delay: 137.598 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 68.19 Mbit/s
95th percentile per-packet one-way delay: 136.591 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link

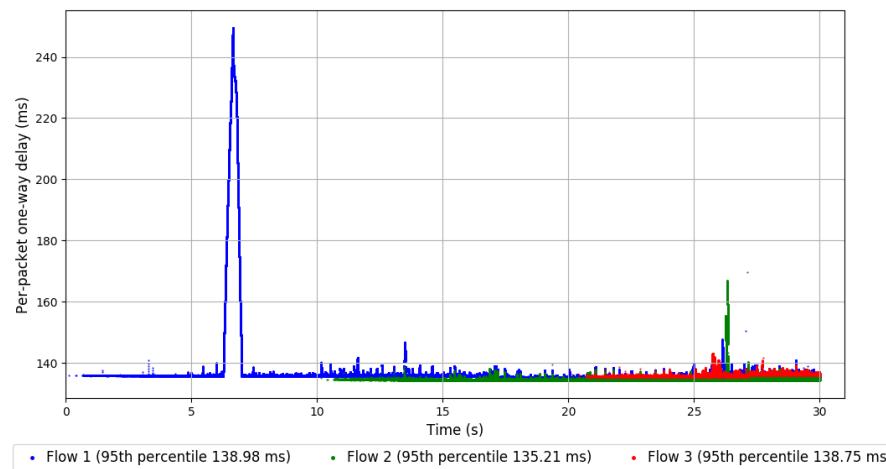
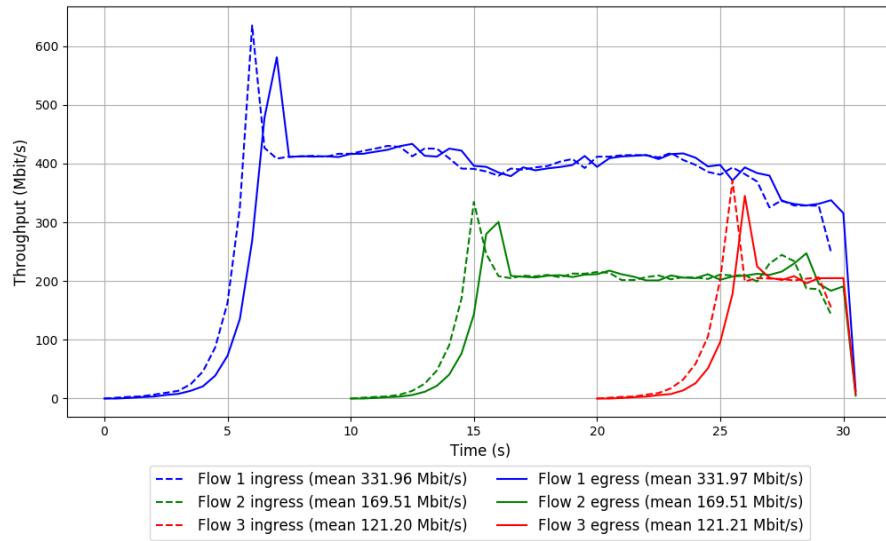


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-25 05:28:49
End at: 2018-05-25 05:29:19
Local clock offset: 0.257 ms
Remote clock offset: -0.554 ms

# Below is generated by plot.py at 2018-05-25 09:11:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 484.68 Mbit/s
95th percentile per-packet one-way delay: 137.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 331.97 Mbit/s
95th percentile per-packet one-way delay: 138.982 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 169.51 Mbit/s
95th percentile per-packet one-way delay: 135.208 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.21 Mbit/s
95th percentile per-packet one-way delay: 138.752 ms
Loss rate: 0.01%
```

Run 7: Report of PCC-Vivace — Data Link

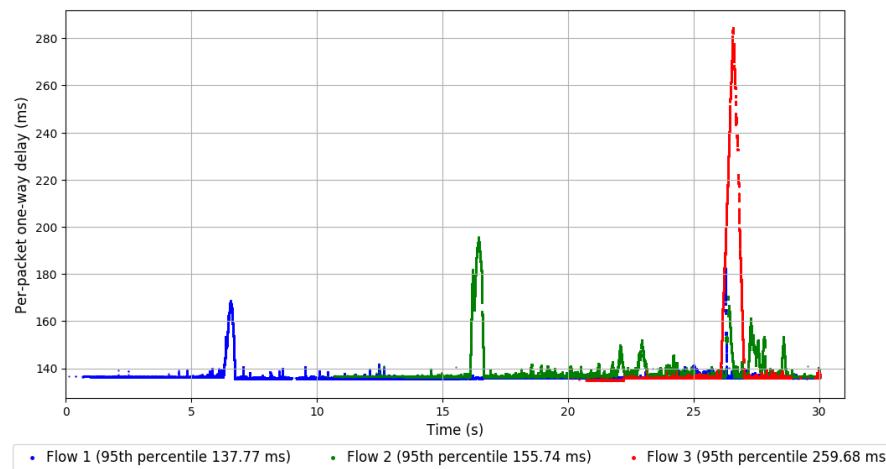
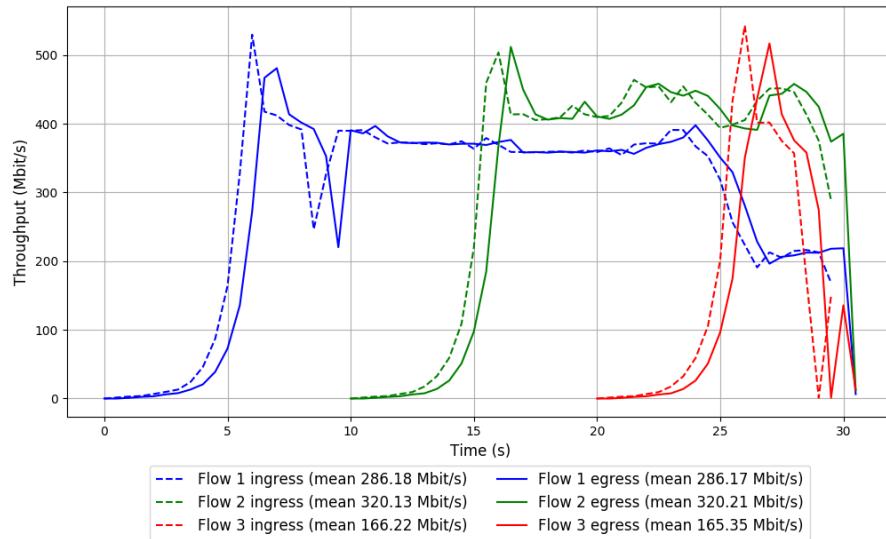


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-25 05:53:54
End at: 2018-05-25 05:54:24
Local clock offset: 0.074 ms
Remote clock offset: -0.249 ms

# Below is generated by plot.py at 2018-05-25 09:12:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 553.64 Mbit/s
95th percentile per-packet one-way delay: 156.501 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 286.17 Mbit/s
95th percentile per-packet one-way delay: 137.770 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 320.21 Mbit/s
95th percentile per-packet one-way delay: 155.744 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 165.35 Mbit/s
95th percentile per-packet one-way delay: 259.676 ms
Loss rate: 0.52%
```

Run 8: Report of PCC-Vivace — Data Link

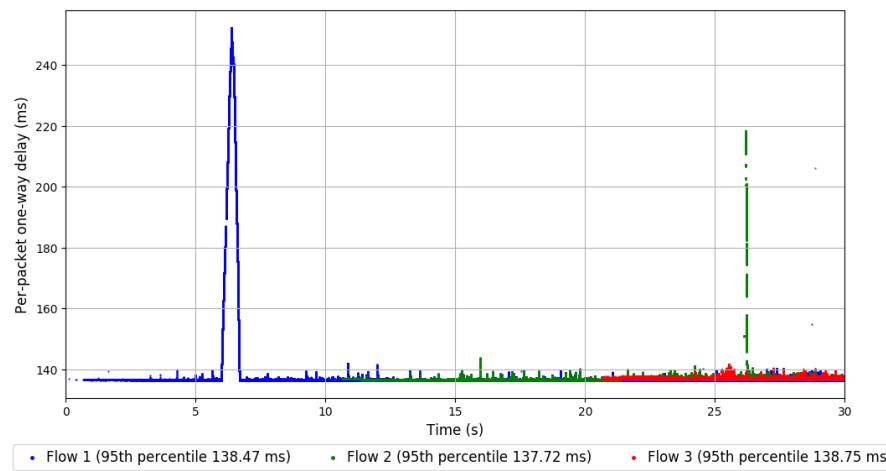
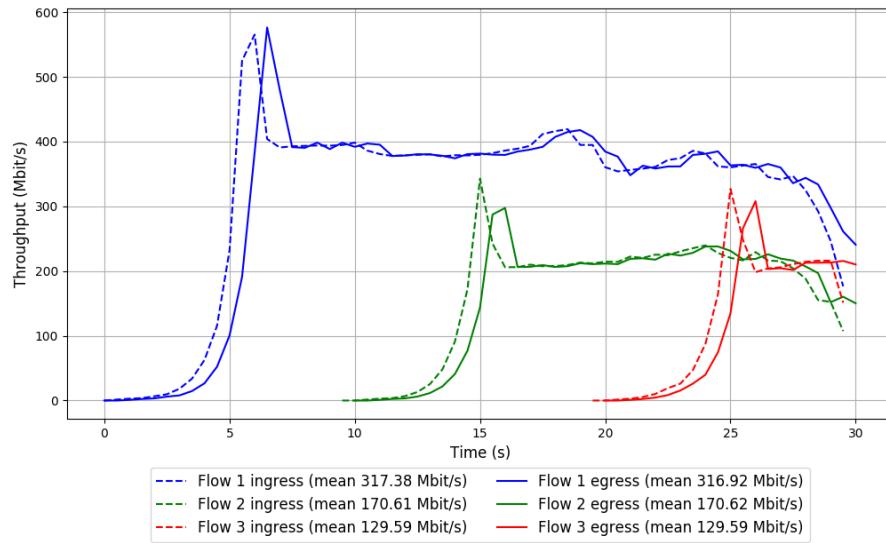


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-25 06:18:44
End at: 2018-05-25 06:19:14
Local clock offset: -0.225 ms
Remote clock offset: -0.23 ms

# Below is generated by plot.py at 2018-05-25 09:12:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 473.27 Mbit/s
95th percentile per-packet one-way delay: 138.160 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 316.92 Mbit/s
95th percentile per-packet one-way delay: 138.475 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 170.62 Mbit/s
95th percentile per-packet one-way delay: 137.717 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 129.59 Mbit/s
95th percentile per-packet one-way delay: 138.751 ms
Loss rate: 0.00%
```

Run 9: Report of PCC-Vivace — Data Link

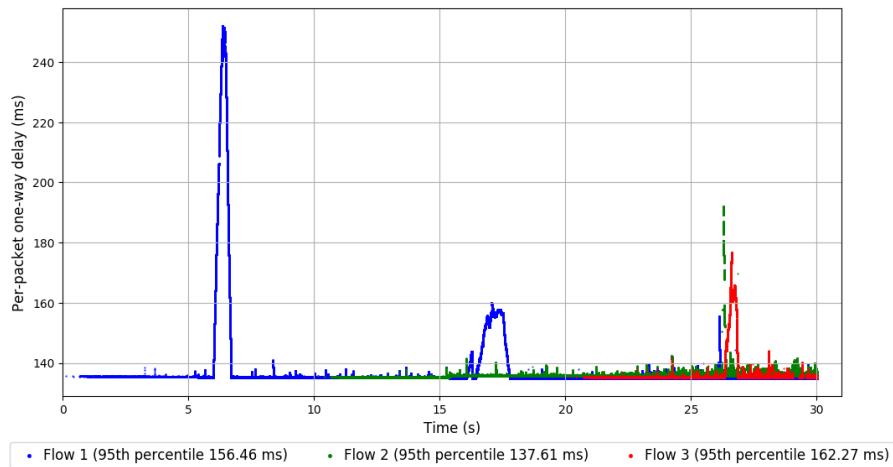
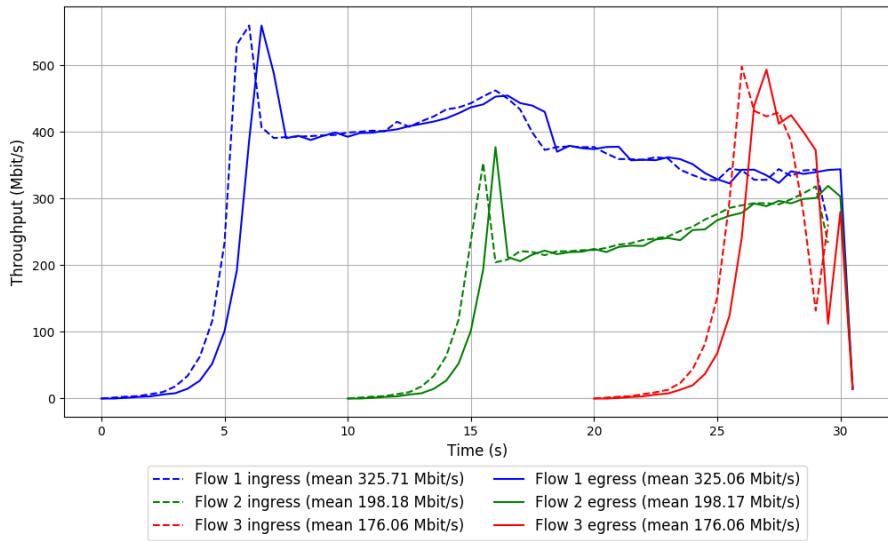


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-25 06:43:30
End at: 2018-05-25 06:44:00
Local clock offset: 0.345 ms
Remote clock offset: -0.502 ms

# Below is generated by plot.py at 2018-05-25 09:12:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 514.93 Mbit/s
95th percentile per-packet one-way delay: 154.830 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 325.06 Mbit/s
95th percentile per-packet one-way delay: 156.455 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 198.17 Mbit/s
95th percentile per-packet one-way delay: 137.610 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 176.06 Mbit/s
95th percentile per-packet one-way delay: 162.271 ms
Loss rate: 0.00%
```

Run 10: Report of PCC-Vivace — Data Link

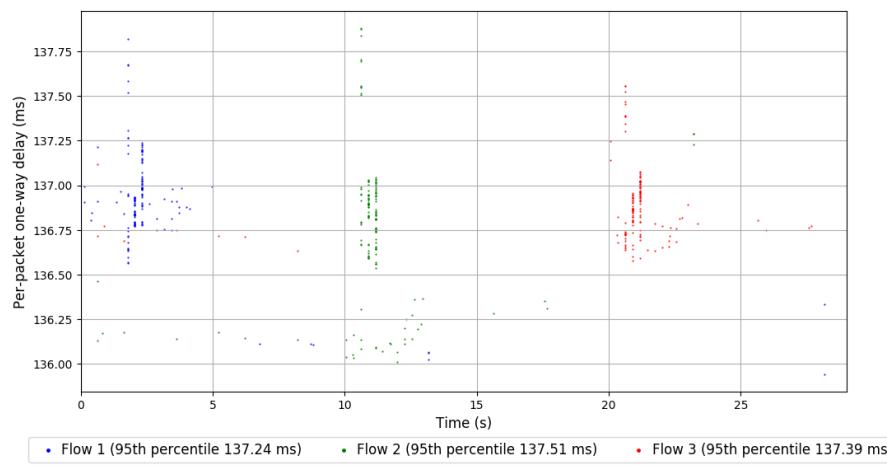
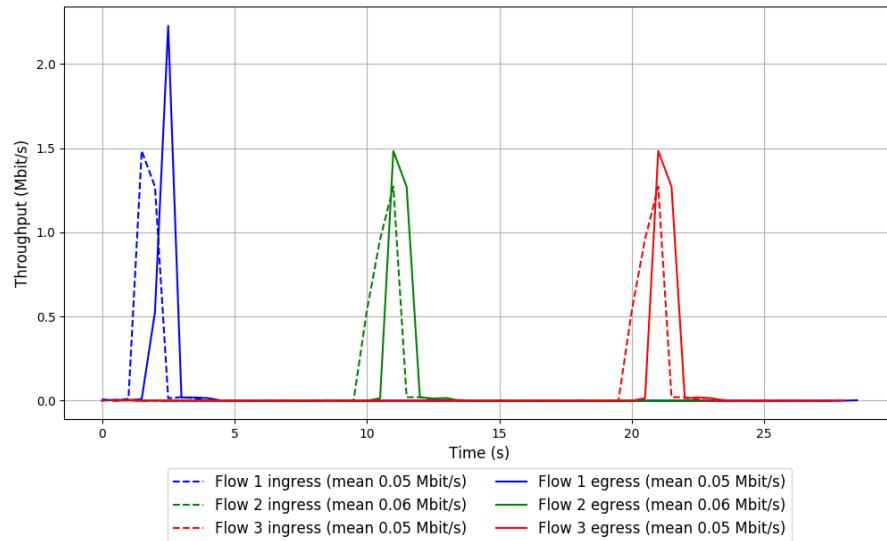


```
Run 1: Statistics of WebRTC media
```

```
Start at: 2018-05-25 03:08:43
End at: 2018-05-25 03:09:13
Local clock offset: -0.181 ms
Remote clock offset: -0.209 ms

# Below is generated by plot.py at 2018-05-25 09:12:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 137.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.237 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 137.515 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.386 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

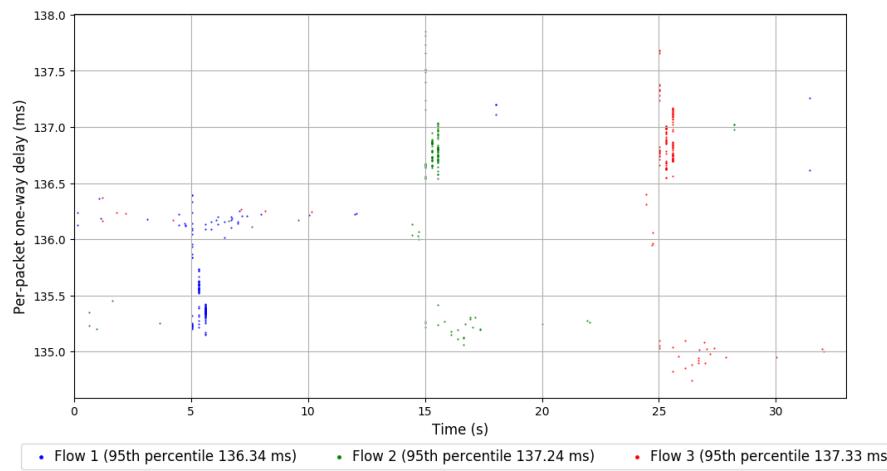
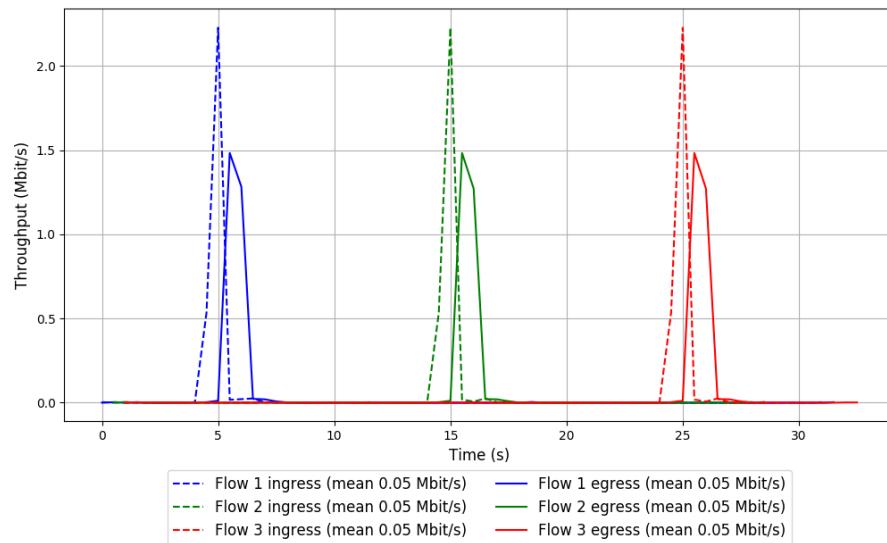


```
Run 2: Statistics of WebRTC media

Start at: 2018-05-25 03:33:45
End at: 2018-05-25 03:34:15
Local clock offset: 0.216 ms
Remote clock offset: 0.172 ms

# Below is generated by plot.py at 2018-05-25 09:12:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 137.166 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.337 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.238 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.326 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

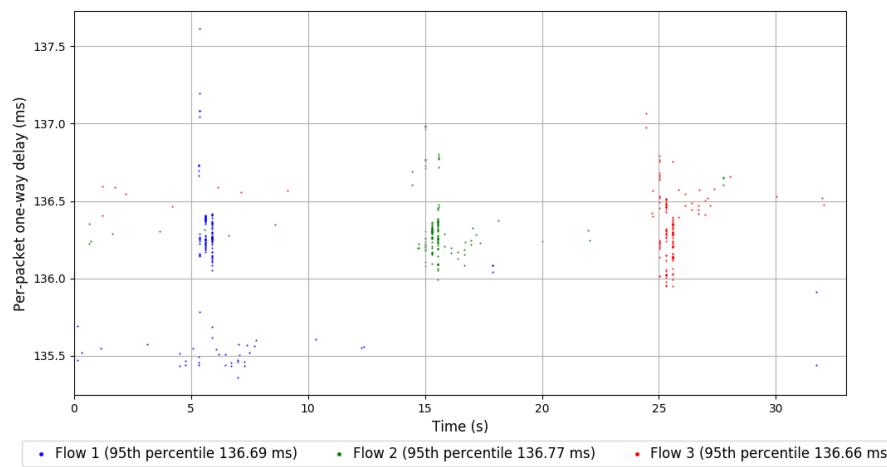
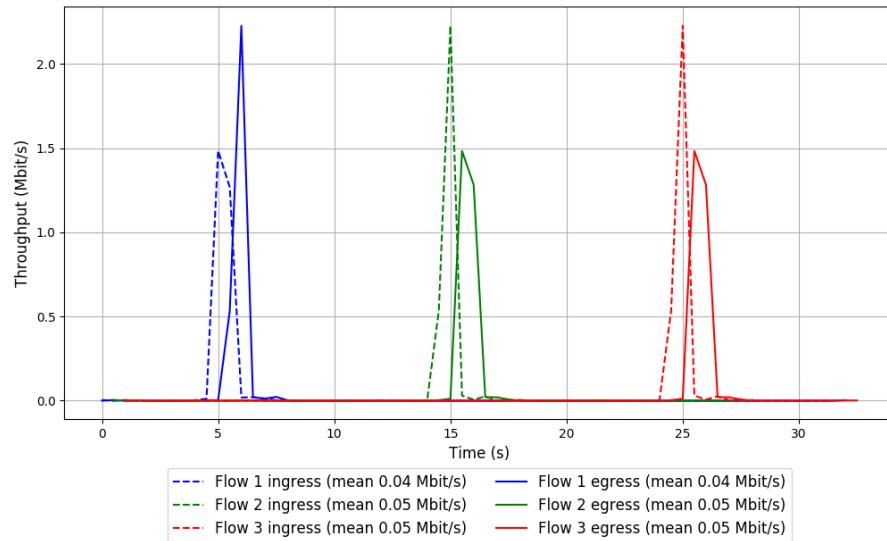


Run 3: Statistics of WebRTC media

```
Start at: 2018-05-25 03:58:22
End at: 2018-05-25 03:58:52
Local clock offset: -0.093 ms
Remote clock offset: -0.59 ms

# Below is generated by plot.py at 2018-05-25 09:12:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 136.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 136.694 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.771 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.665 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

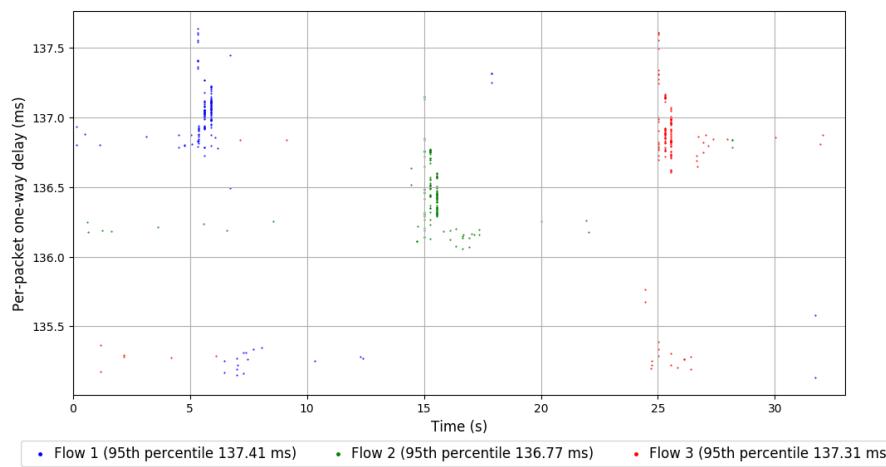
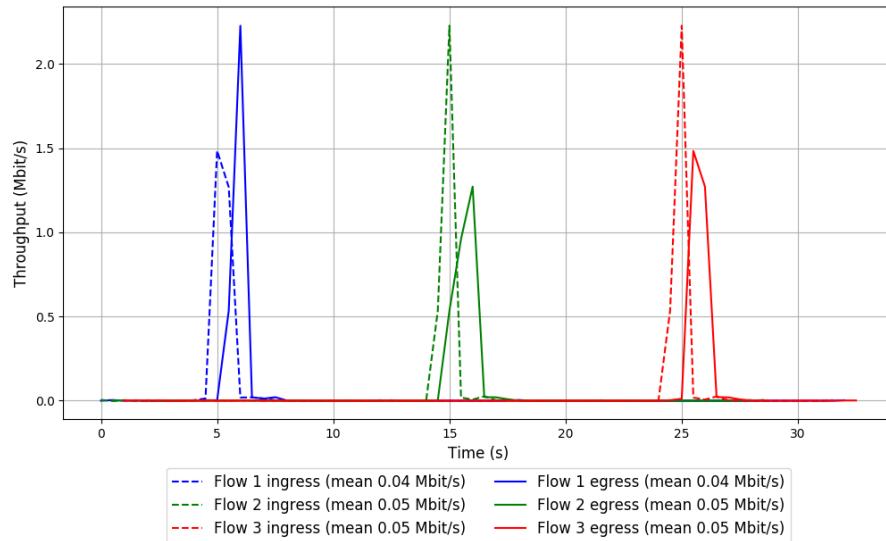


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-25 04:23:33
End at: 2018-05-25 04:24:03
Local clock offset: -0.201 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2018-05-25 09:12:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 137.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 137.407 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.771 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.309 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

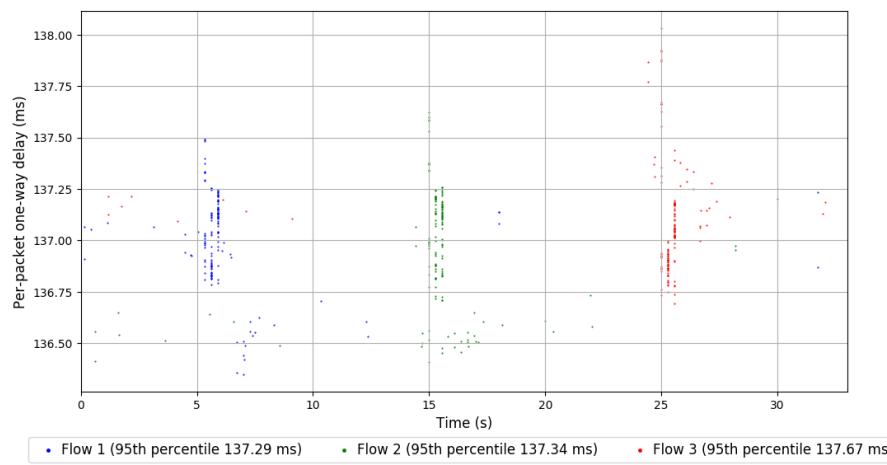
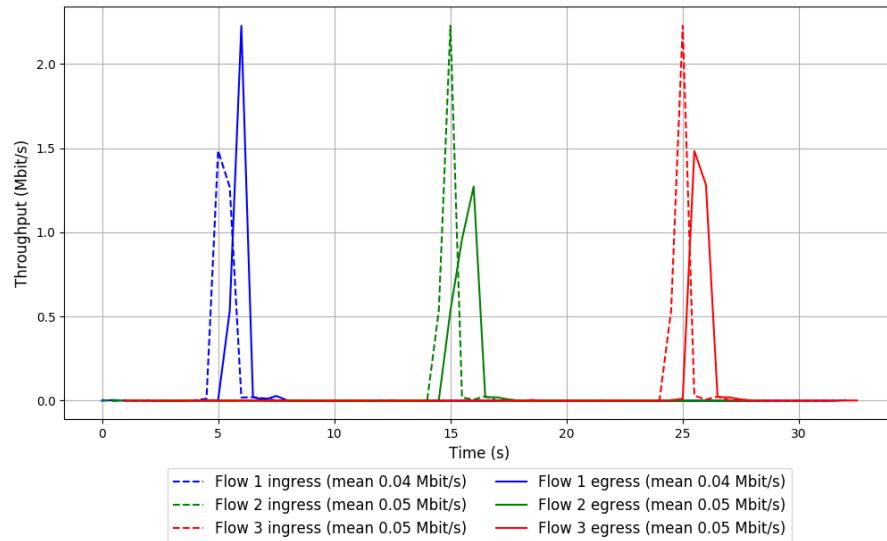


```
Run 5: Statistics of WebRTC media

Start at: 2018-05-25 04:48:13
End at: 2018-05-25 04:48:43
Local clock offset: -0.063 ms
Remote clock offset: 0.209 ms

# Below is generated by plot.py at 2018-05-25 09:12:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 137.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 137.292 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.341 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.670 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

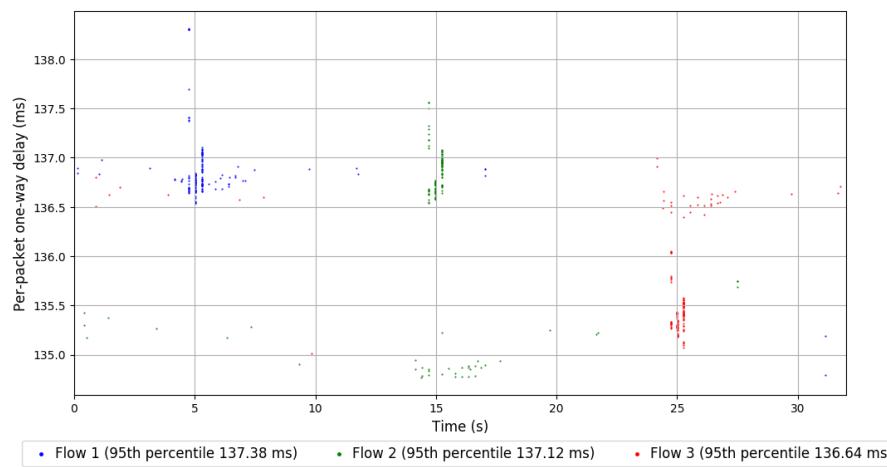
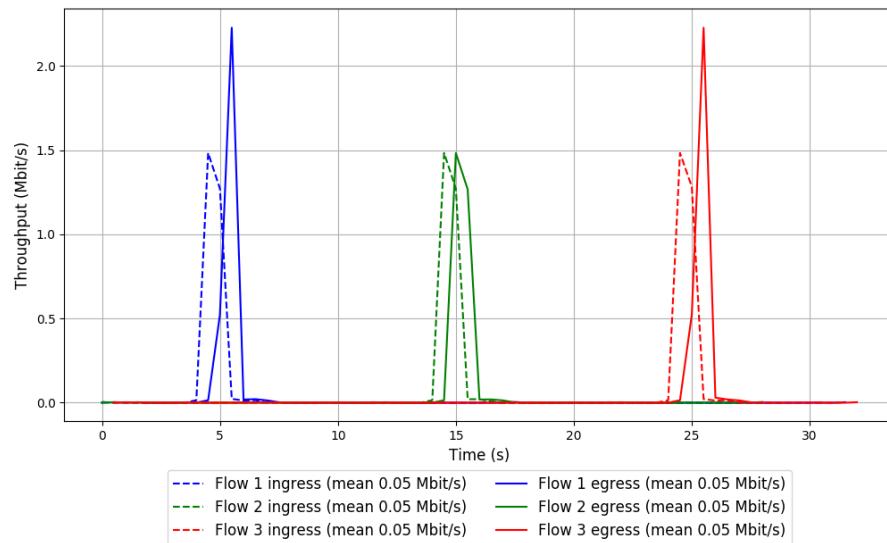


Run 6: Statistics of WebRTC media

```
Start at: 2018-05-25 05:13:01
End at: 2018-05-25 05:13:31
Local clock offset: 0.266 ms
Remote clock offset: 0.199 ms

# Below is generated by plot.py at 2018-05-25 09:12:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 137.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.382 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.124 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.639 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

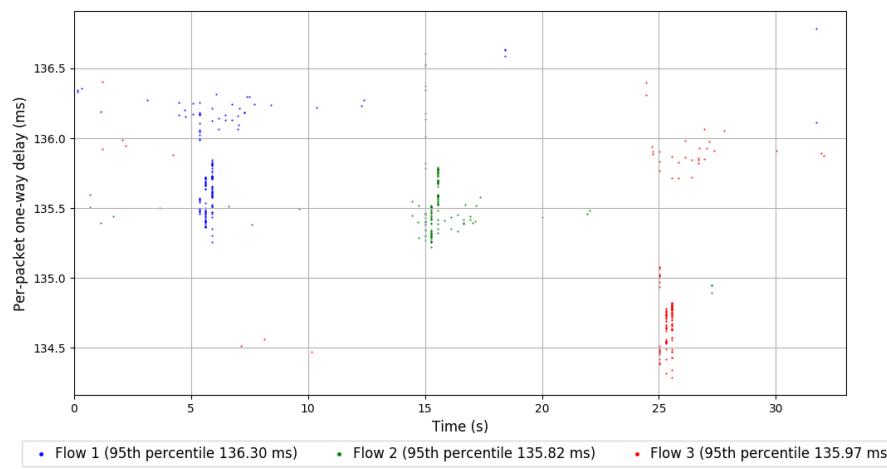
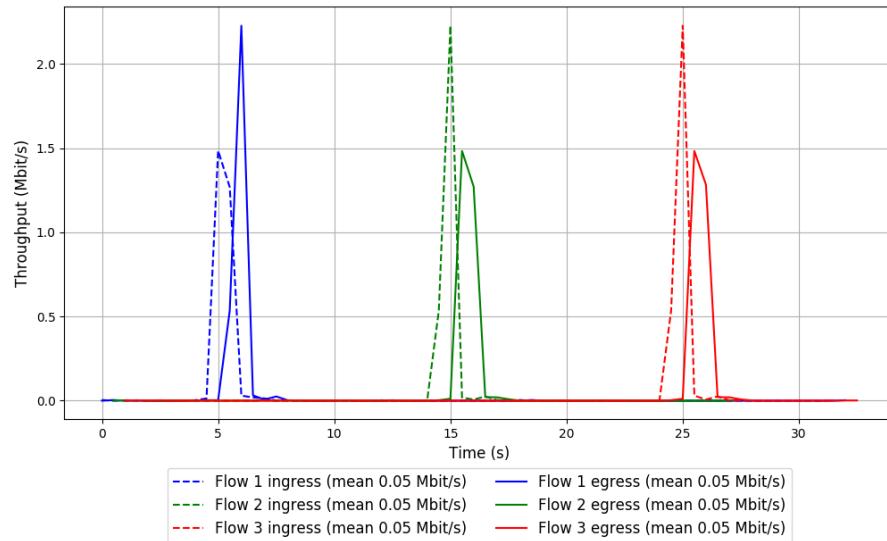


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-25 05:37:37
End at: 2018-05-25 05:38:07
Local clock offset: 0.363 ms
Remote clock offset: -0.557 ms

# Below is generated by plot.py at 2018-05-25 09:12:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 136.243 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.297 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.820 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.975 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

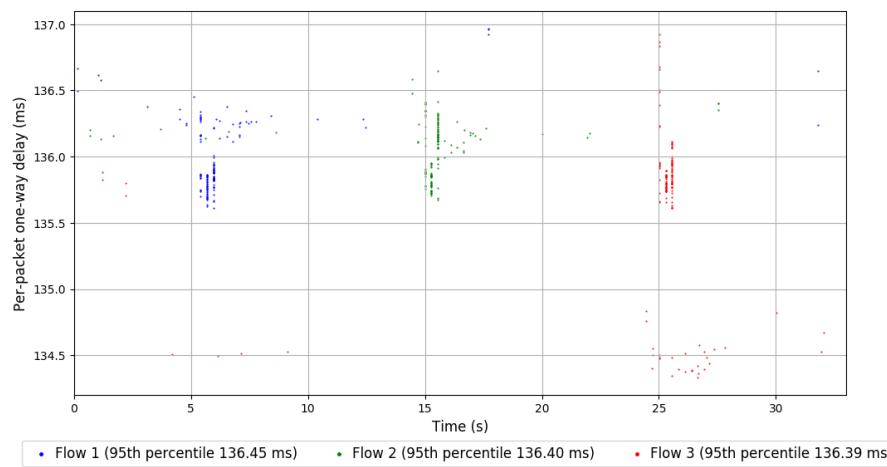
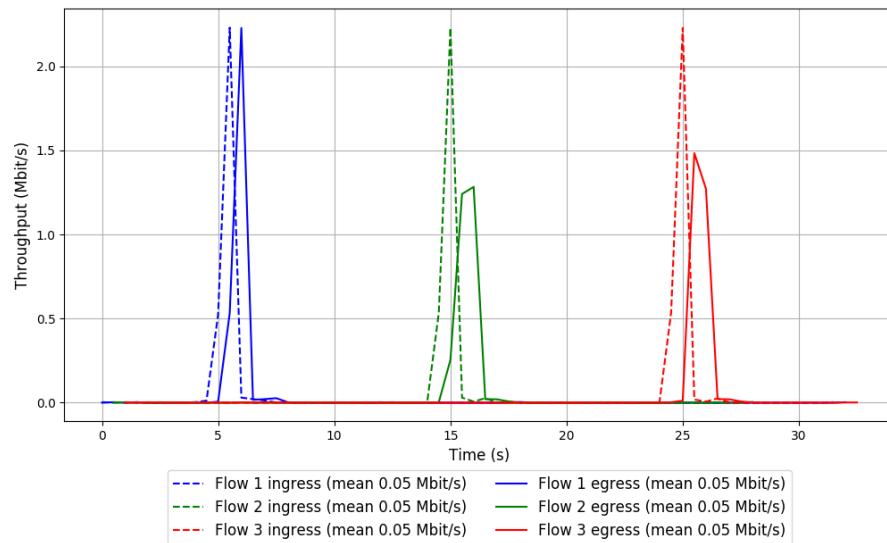


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-25 06:02:57
End at: 2018-05-25 06:03:27
Local clock offset: 0.314 ms
Remote clock offset: -0.183 ms

# Below is generated by plot.py at 2018-05-25 09:12:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 136.400 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.451 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.398 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.387 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

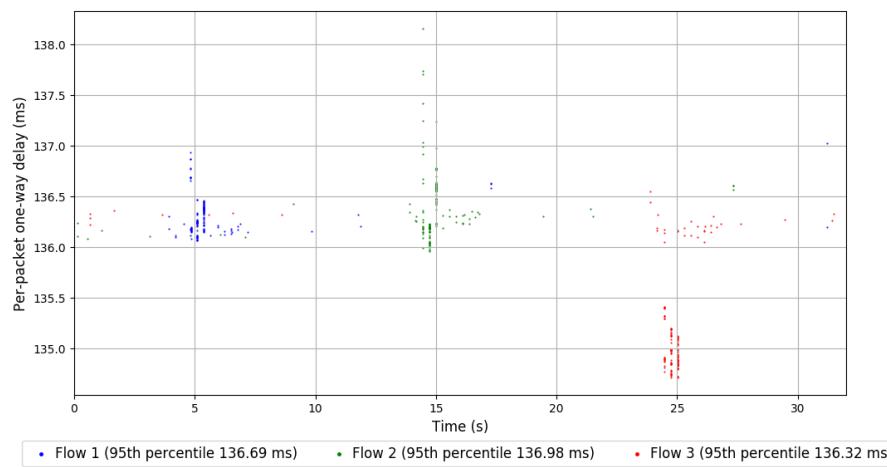
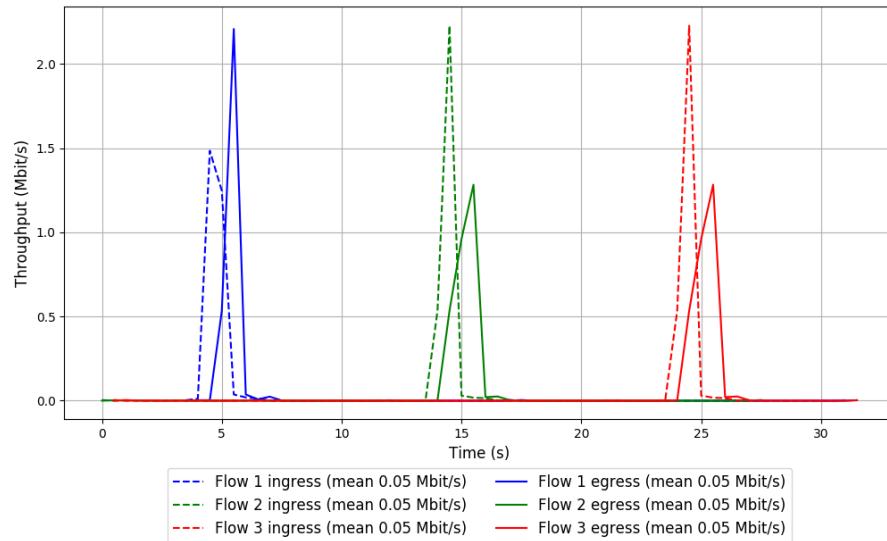


```
Run 9: Statistics of WebRTC media

Start at: 2018-05-25 06:27:32
End at: 2018-05-25 06:28:02
Local clock offset: -0.077 ms
Remote clock offset: -0.545 ms

# Below is generated by plot.py at 2018-05-25 09:12:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.768 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.693 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.981 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.324 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-25 06:52:38
End at: 2018-05-25 06:53:08
Local clock offset: -0.275 ms
Remote clock offset: -0.476 ms

# Below is generated by plot.py at 2018-05-25 09:12:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.918 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.769 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.918 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.990 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

