

Pantheon Report

Generated at 2018-05-25 21:06:39 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

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

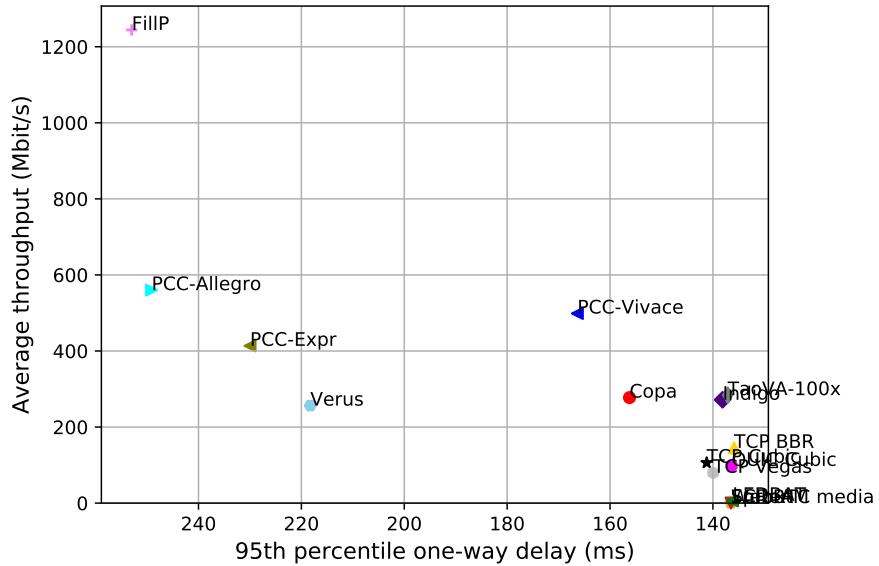
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

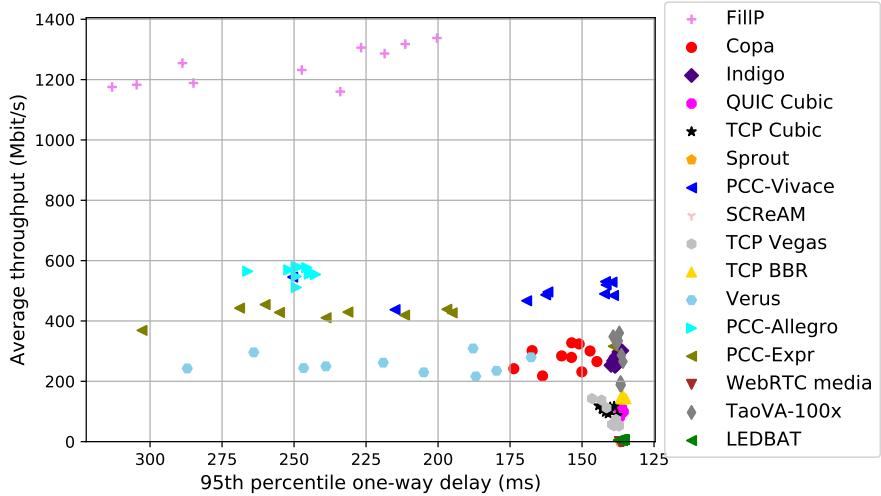
Git summary:

```
branch: master @ 0088822873ea99180f63545a341ef069f40efe59
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



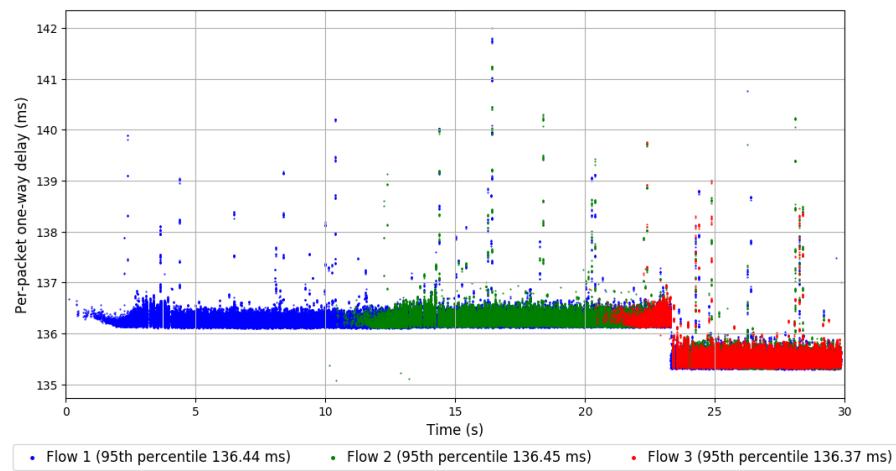
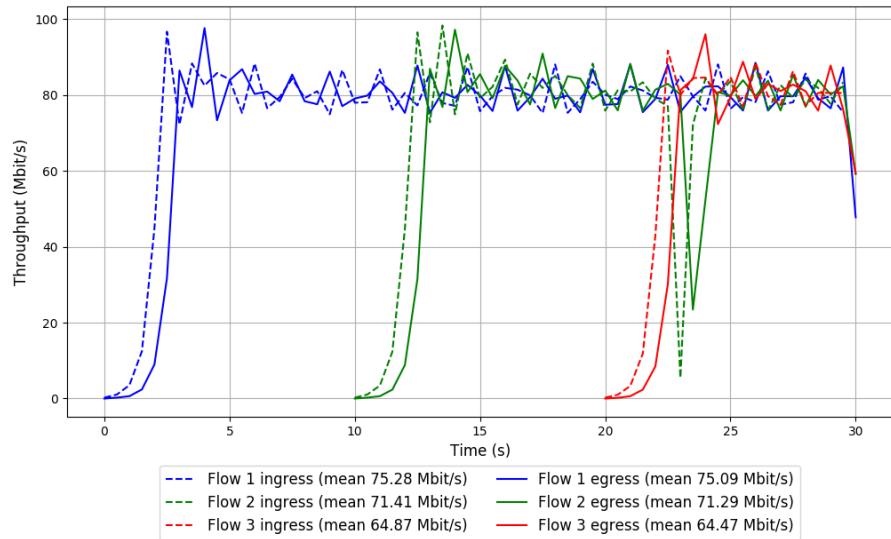
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	75.85	72.06	66.28	135.85	135.89	135.99	0.91	1.54	3.36
Copa		164.91	137.31	107.51	151.49	152.95	158.93	0.66	1.52	3.89
TCP Cubic		59.73	52.30	36.33	141.26	140.30	141.50	1.25	1.57	4.61
FillP		677.57	609.92	499.70	243.97	252.68	211.49	4.54	4.54	5.48
Indigo		141.98	135.80	123.55	137.57	138.18	139.70	0.95	1.50	3.58
LEDBAT		4.07	2.17	0.80	136.24	136.02	135.99	2.04	2.89	5.45
PCC-Allegro		488.29	92.26	33.13	251.08	242.61	227.16	2.81	2.74	3.94
PCC-Expr		279.11	163.15	81.67	237.07	174.85	163.69	2.94	1.83	4.25
QUIC Cubic		52.96	48.11	39.58	136.11	136.16	136.03	1.27	2.10	3.61
SCReAM		0.22	0.22	0.22	136.35	136.22	136.23	0.89	1.43	2.56
Sprout		0.17	0.18	0.21	136.21	136.33	136.39	0.81	1.26	2.05
TaoVA-100x		135.37	168.22	119.45	136.53	137.37	144.33	0.80	1.34	2.80
TCP Vegas		46.66	37.76	24.47	139.47	139.91	139.87	0.97	1.43	3.34
Verus		159.45	108.08	79.02	201.23	215.47	220.68	1.44	2.62	5.07
PCC-Vivace		306.59	223.97	134.97	158.15	151.49	168.63	1.23	1.70	4.90
WebRTC media		0.05	0.05	0.05	136.31	136.23	136.41	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-25 14:48:38
End at: 2018-05-25 14:49:08
Local clock offset: 0.151 ms
Remote clock offset: -0.639 ms

# Below is generated by plot.py at 2018-05-25 19:03:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 143.39 Mbit/s
95th percentile per-packet one-way delay: 136.438 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 75.09 Mbit/s
95th percentile per-packet one-way delay: 136.440 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 71.29 Mbit/s
95th percentile per-packet one-way delay: 136.450 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 64.47 Mbit/s
95th percentile per-packet one-way delay: 136.371 ms
Loss rate: 3.33%
```

Run 1: Report of TCP BBR — Data Link

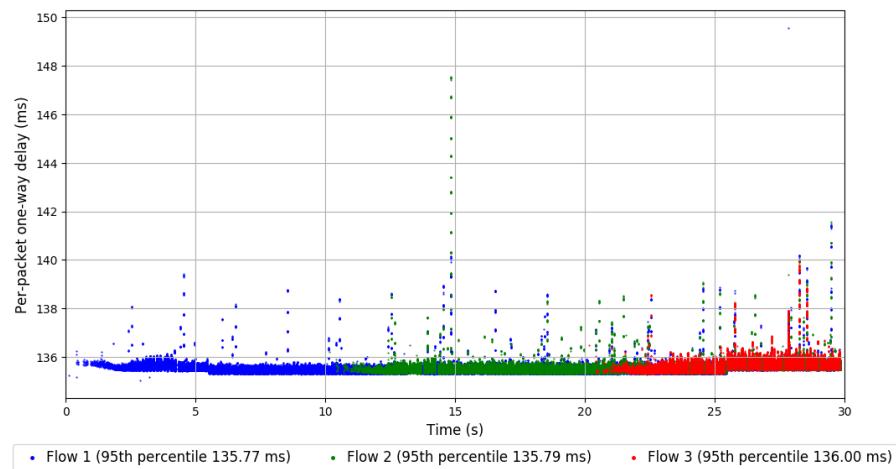
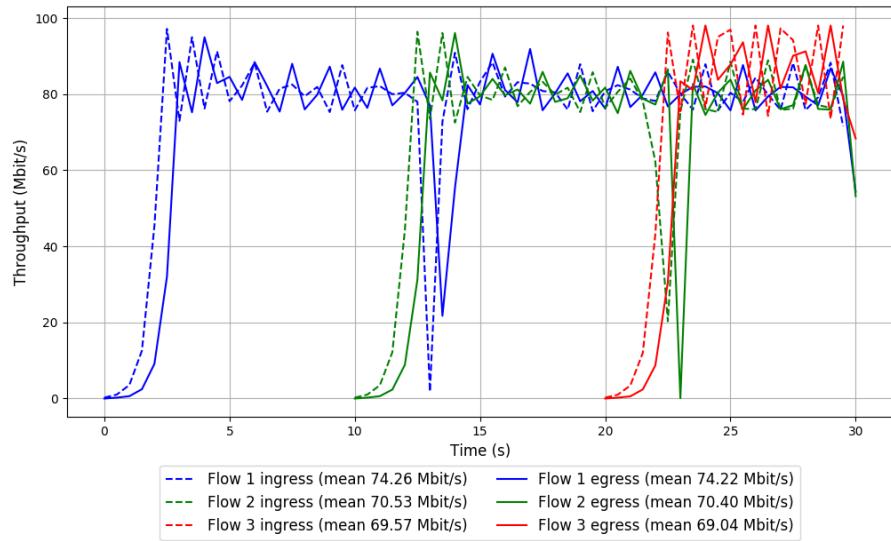


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-25 15:13:35
End at: 2018-05-25 15:14:05
Local clock offset: -0.254 ms
Remote clock offset: -0.245 ms

# Below is generated by plot.py at 2018-05-25 19:03:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 143.30 Mbit/s
95th percentile per-packet one-way delay: 135.842 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 74.22 Mbit/s
95th percentile per-packet one-way delay: 135.771 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 70.40 Mbit/s
95th percentile per-packet one-way delay: 135.787 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 69.04 Mbit/s
95th percentile per-packet one-way delay: 135.997 ms
Loss rate: 3.54%
```

Run 2: Report of TCP BBR — Data Link

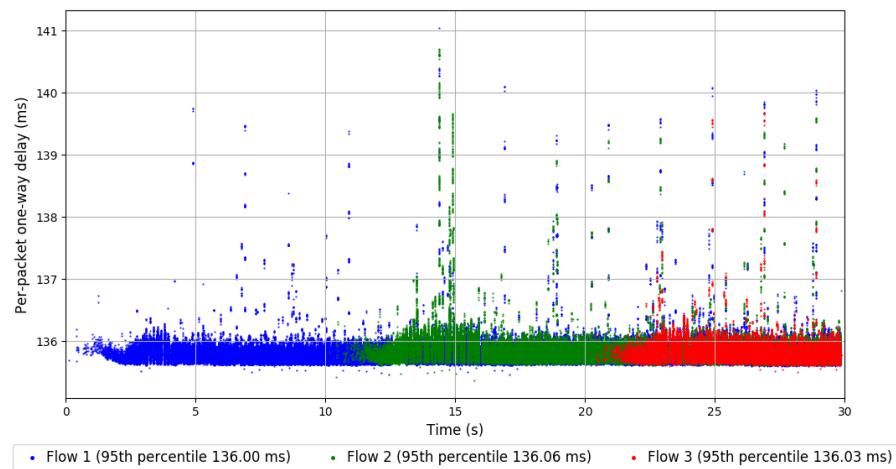
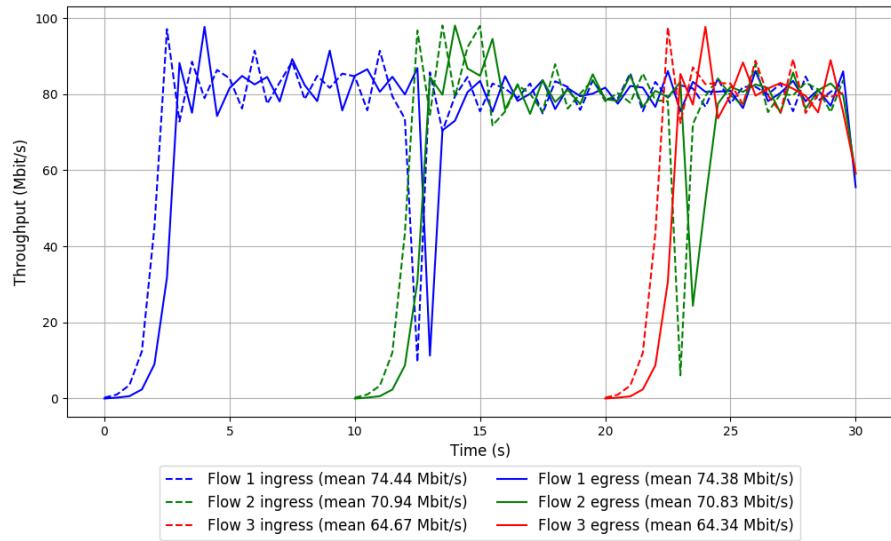


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-25 15:38:49
End at: 2018-05-25 15:39:19
Local clock offset: 0.134 ms
Remote clock offset: -0.228 ms

# Below is generated by plot.py at 2018-05-25 19:03:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 142.31 Mbit/s
95th percentile per-packet one-way delay: 136.023 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 74.38 Mbit/s
95th percentile per-packet one-way delay: 135.997 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 70.83 Mbit/s
95th percentile per-packet one-way delay: 136.057 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 64.34 Mbit/s
95th percentile per-packet one-way delay: 136.025 ms
Loss rate: 3.24%
```

Run 3: Report of TCP BBR — Data Link

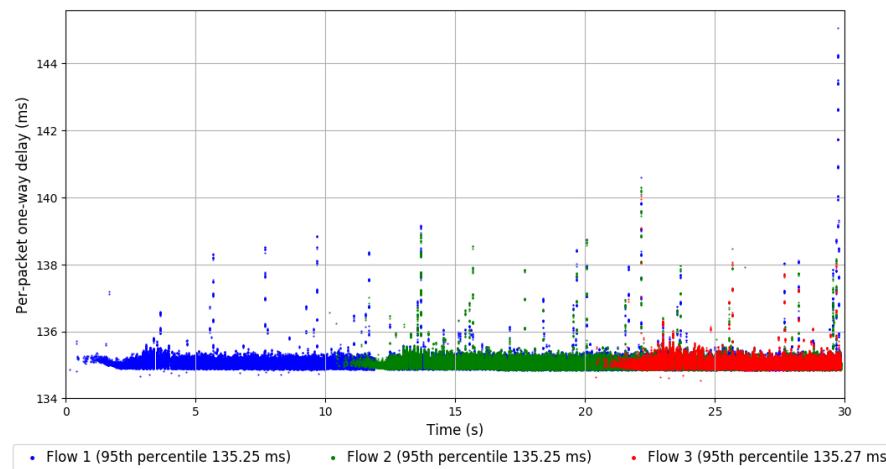
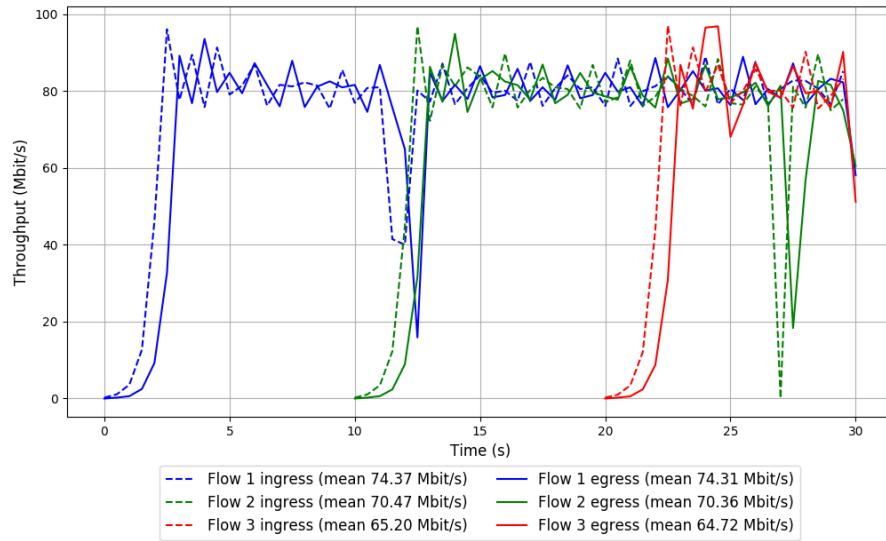


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-25 16:04:04
End at: 2018-05-25 16:04:34
Local clock offset: 0.117 ms
Remote clock offset: -0.193 ms

# Below is generated by plot.py at 2018-05-25 19:03:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 142.03 Mbit/s
95th percentile per-packet one-way delay: 135.252 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 74.31 Mbit/s
95th percentile per-packet one-way delay: 135.246 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 70.36 Mbit/s
95th percentile per-packet one-way delay: 135.253 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 64.72 Mbit/s
95th percentile per-packet one-way delay: 135.274 ms
Loss rate: 3.60%
```

Run 4: Report of TCP BBR — Data Link

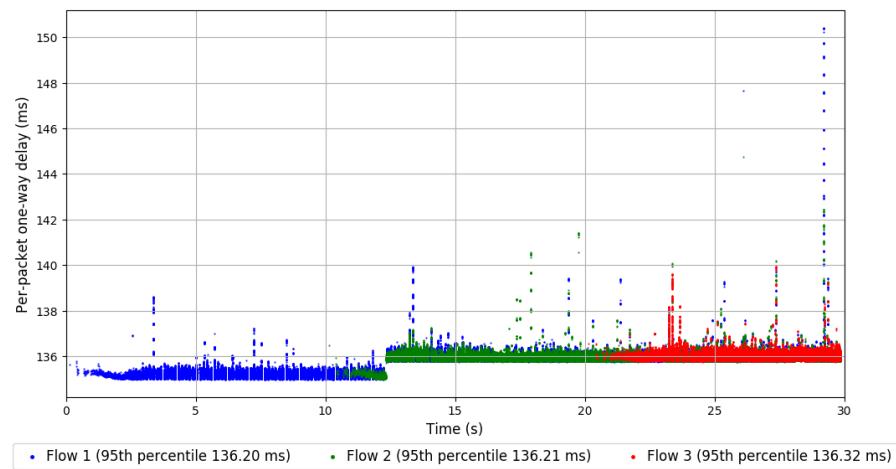
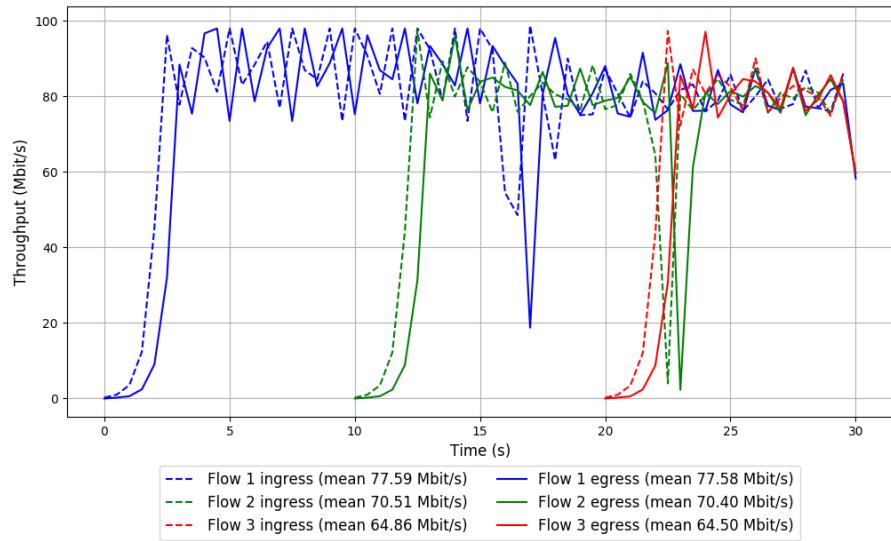


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-25 16:28:59
End at: 2018-05-25 16:29:29
Local clock offset: 0.118 ms
Remote clock offset: -0.217 ms

# Below is generated by plot.py at 2018-05-25 19:03:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 145.31 Mbit/s
95th percentile per-packet one-way delay: 136.226 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 77.58 Mbit/s
95th percentile per-packet one-way delay: 136.199 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 70.40 Mbit/s
95th percentile per-packet one-way delay: 136.211 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 64.50 Mbit/s
95th percentile per-packet one-way delay: 136.316 ms
Loss rate: 3.28%
```

Run 5: Report of TCP BBR — Data Link

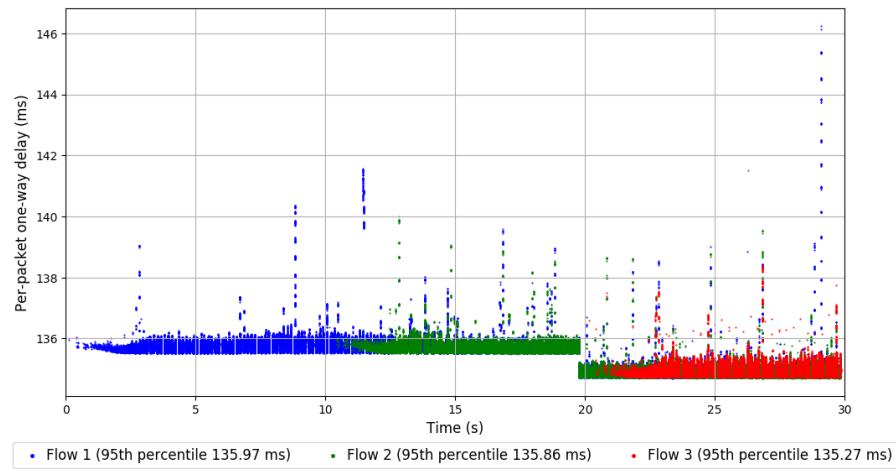
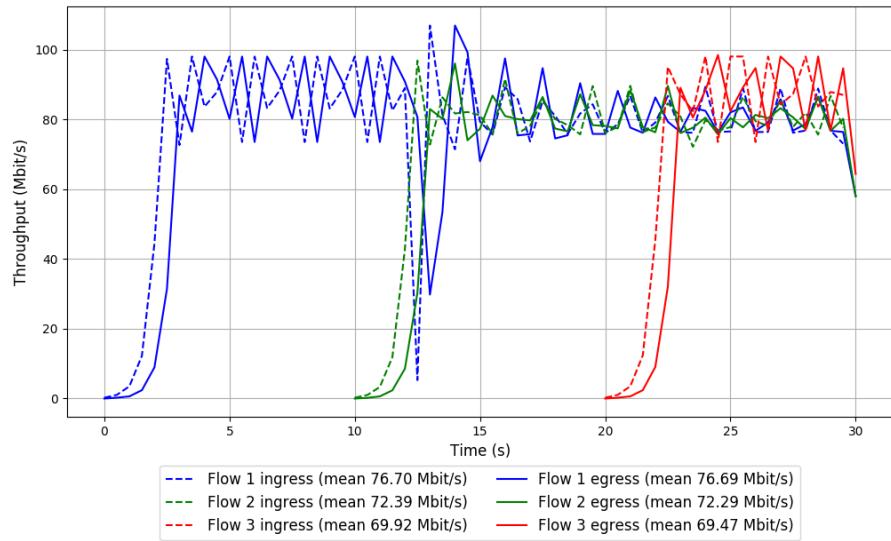


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-25 16:54:11
End at: 2018-05-25 16:54:41
Local clock offset: -0.047 ms
Remote clock offset: -0.175 ms

# Below is generated by plot.py at 2018-05-25 19:03:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 147.25 Mbit/s
95th percentile per-packet one-way delay: 135.922 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 76.69 Mbit/s
95th percentile per-packet one-way delay: 135.965 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 72.29 Mbit/s
95th percentile per-packet one-way delay: 135.861 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 69.47 Mbit/s
95th percentile per-packet one-way delay: 135.267 ms
Loss rate: 3.38%
```

Run 6: Report of TCP BBR — Data Link

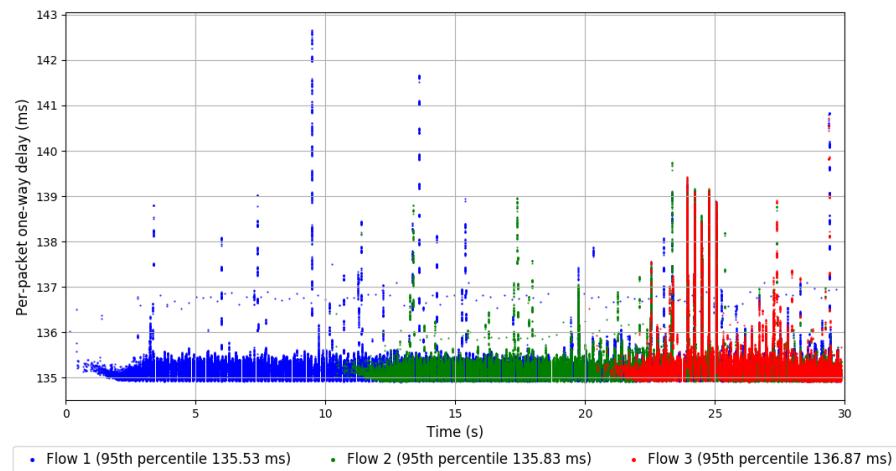
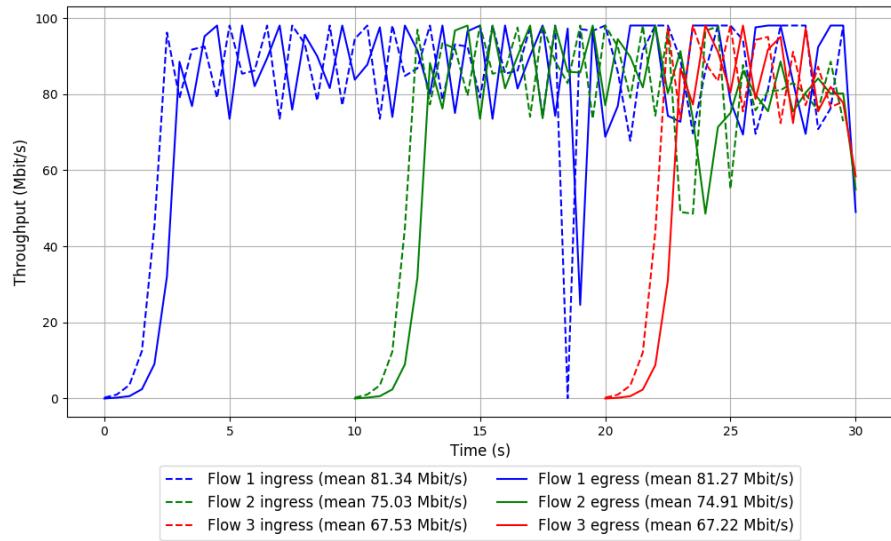


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-25 17:19:21
End at: 2018-05-25 17:19:51
Local clock offset: 0.199 ms
Remote clock offset: -0.17 ms

# Below is generated by plot.py at 2018-05-25 19:04:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 152.58 Mbit/s
95th percentile per-packet one-way delay: 135.755 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 81.27 Mbit/s
95th percentile per-packet one-way delay: 135.531 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 74.91 Mbit/s
95th percentile per-packet one-way delay: 135.832 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 67.22 Mbit/s
95th percentile per-packet one-way delay: 136.869 ms
Loss rate: 3.19%
```

Run 7: Report of TCP BBR — Data Link

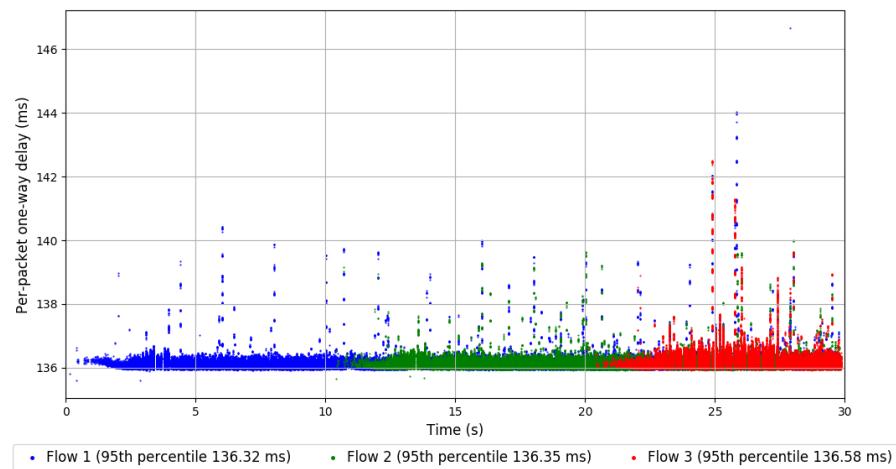
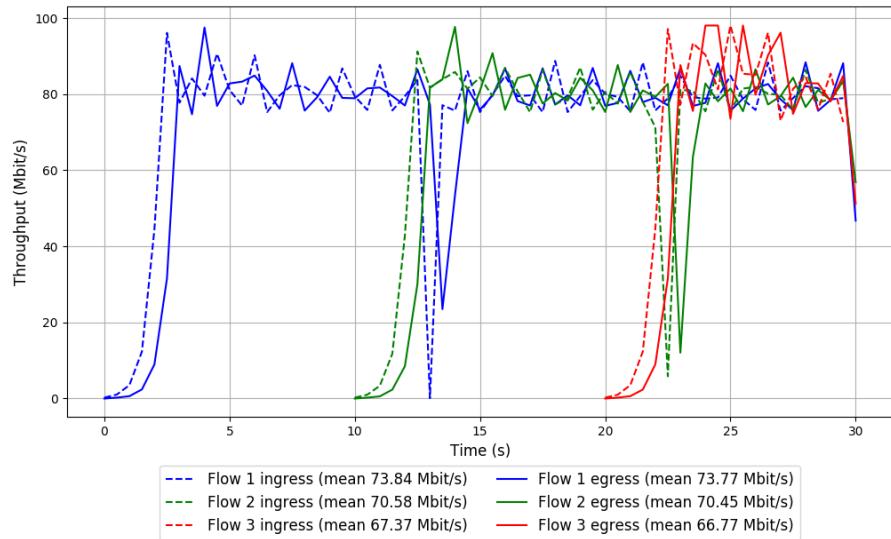


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-25 17:44:46
End at: 2018-05-25 17:45:16
Local clock offset: -0.074 ms
Remote clock offset: -0.578 ms

# Below is generated by plot.py at 2018-05-25 19:04:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 142.11 Mbit/s
95th percentile per-packet one-way delay: 136.389 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 73.77 Mbit/s
95th percentile per-packet one-way delay: 136.319 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 70.45 Mbit/s
95th percentile per-packet one-way delay: 136.355 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 66.77 Mbit/s
95th percentile per-packet one-way delay: 136.581 ms
Loss rate: 3.23%
```

Run 8: Report of TCP BBR — Data Link

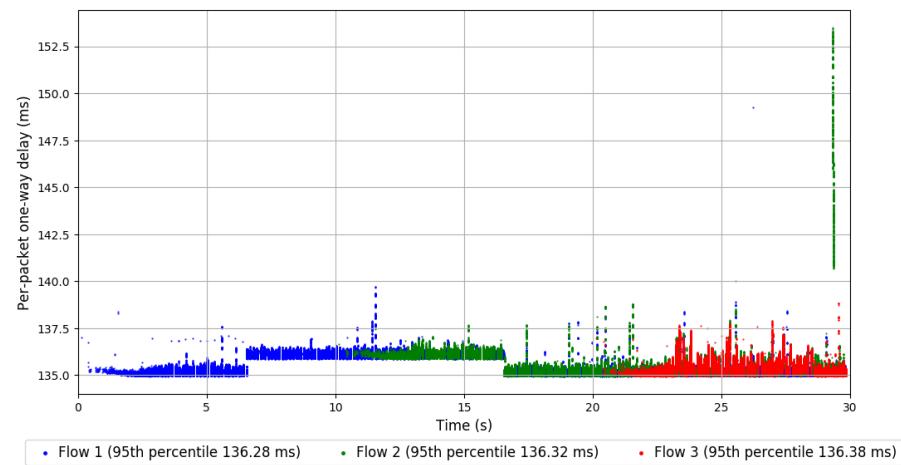
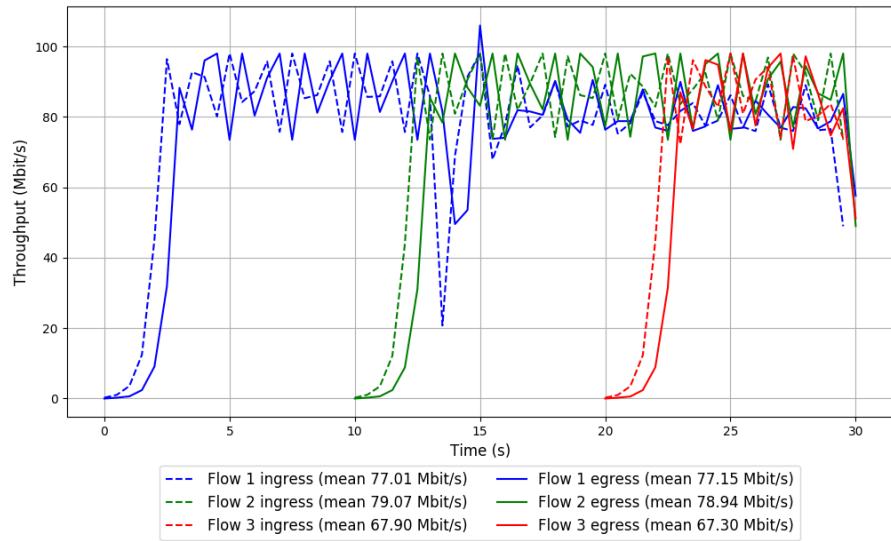


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-25 18:10:04
End at: 2018-05-25 18:10:34
Local clock offset: 0.183 ms
Remote clock offset: -0.196 ms

# Below is generated by plot.py at 2018-05-25 19:06:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 151.23 Mbit/s
95th percentile per-packet one-way delay: 136.292 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 77.15 Mbit/s
95th percentile per-packet one-way delay: 136.275 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 78.94 Mbit/s
95th percentile per-packet one-way delay: 136.322 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 67.30 Mbit/s
95th percentile per-packet one-way delay: 136.377 ms
Loss rate: 3.38%
```

Run 9: Report of TCP BBR — Data Link

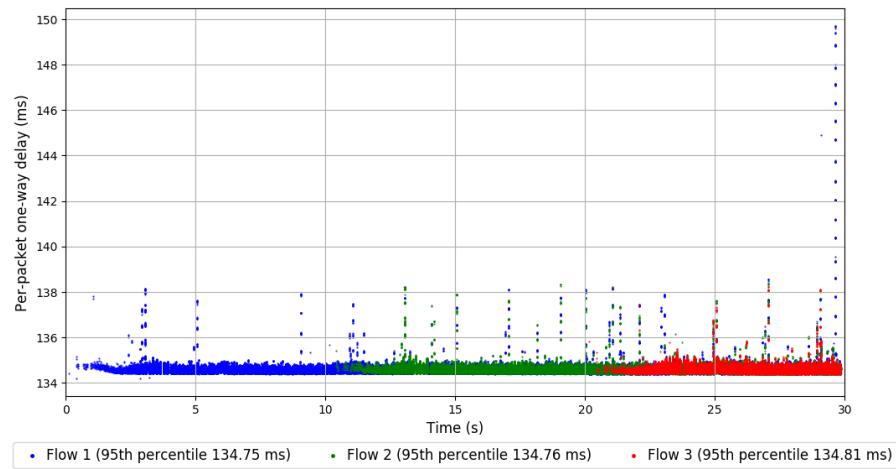
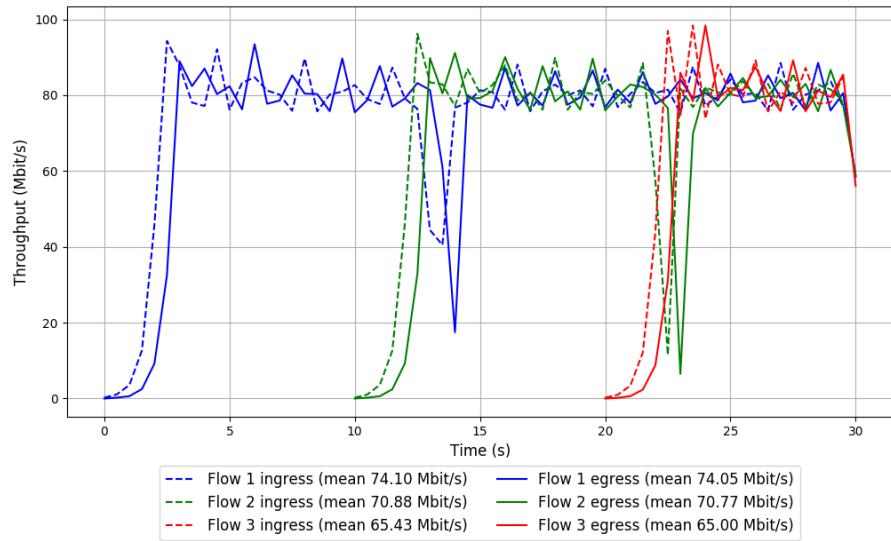


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-25 18:35:21
End at: 2018-05-25 18:35:51
Local clock offset: 0.021 ms
Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2018-05-25 19:06:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 142.15 Mbit/s
95th percentile per-packet one-way delay: 134.766 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: 134.750 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 70.77 Mbit/s
95th percentile per-packet one-way delay: 134.763 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 65.00 Mbit/s
95th percentile per-packet one-way delay: 134.815 ms
Loss rate: 3.45%
```

Run 10: Report of TCP BBR — Data Link

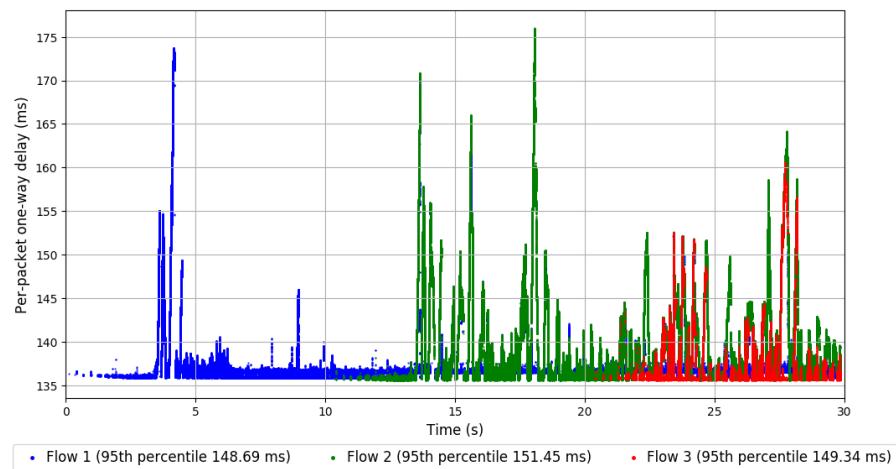
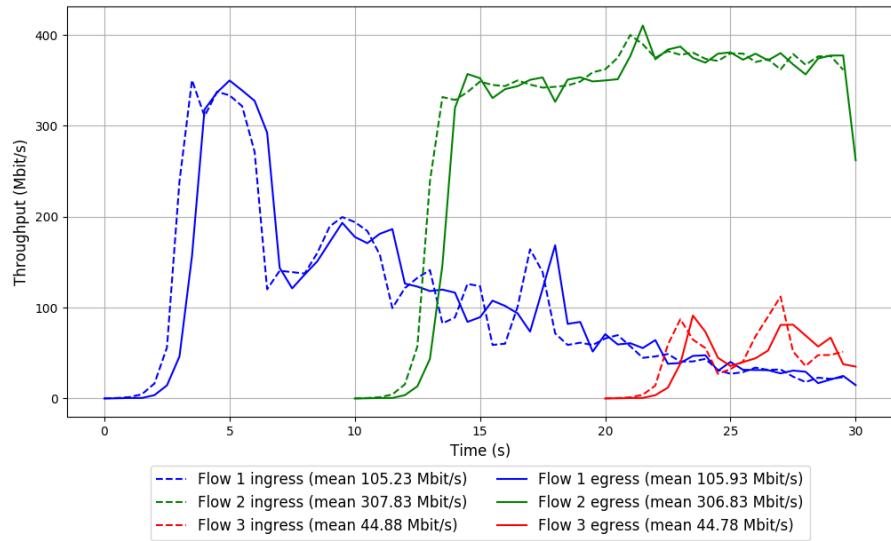


Run 1: Statistics of Copa

```
Start at: 2018-05-25 14:37:36
End at: 2018-05-25 14:38:06
Local clock offset: 0.282 ms
Remote clock offset: -0.232 ms

# Below is generated by plot.py at 2018-05-25 19:14:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 323.97 Mbit/s
95th percentile per-packet one-way delay: 150.984 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 105.93 Mbit/s
95th percentile per-packet one-way delay: 148.691 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 306.83 Mbit/s
95th percentile per-packet one-way delay: 151.454 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 44.78 Mbit/s
95th percentile per-packet one-way delay: 149.338 ms
Loss rate: 2.98%
```

Run 1: Report of Copa — Data Link

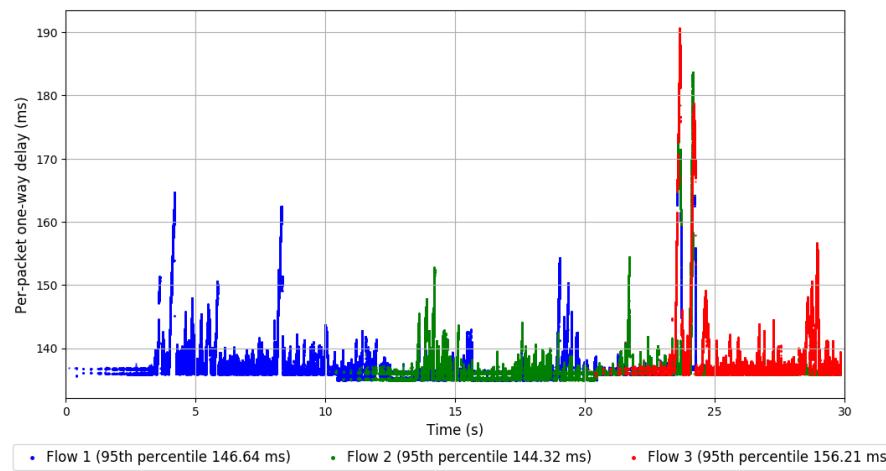
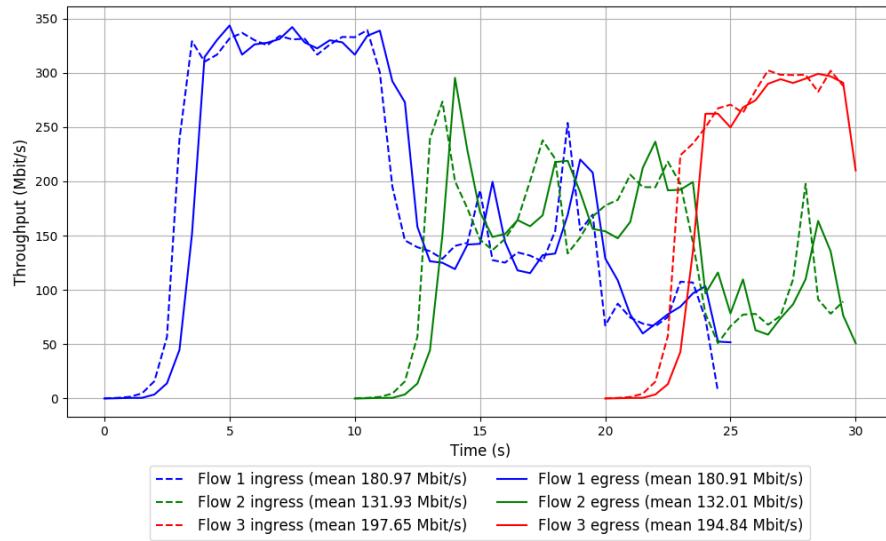


Run 2: Statistics of Copa

```
Start at: 2018-05-25 15:02:40
End at: 2018-05-25 15:03:10
Local clock offset: -0.228 ms
Remote clock offset: -0.654 ms

# Below is generated by plot.py at 2018-05-25 19:14:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 300.47 Mbit/s
95th percentile per-packet one-way delay: 147.218 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 180.91 Mbit/s
95th percentile per-packet one-way delay: 146.637 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 132.01 Mbit/s
95th percentile per-packet one-way delay: 144.316 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 194.84 Mbit/s
95th percentile per-packet one-way delay: 156.213 ms
Loss rate: 4.12%
```

Run 2: Report of Copa — Data Link

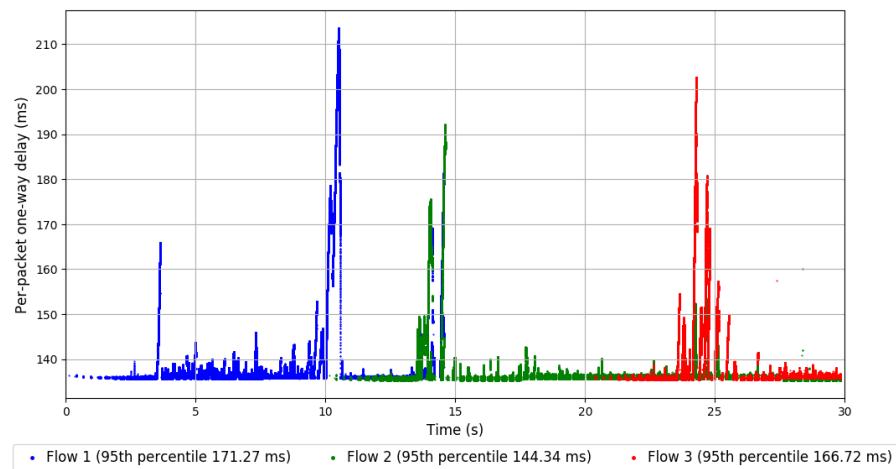
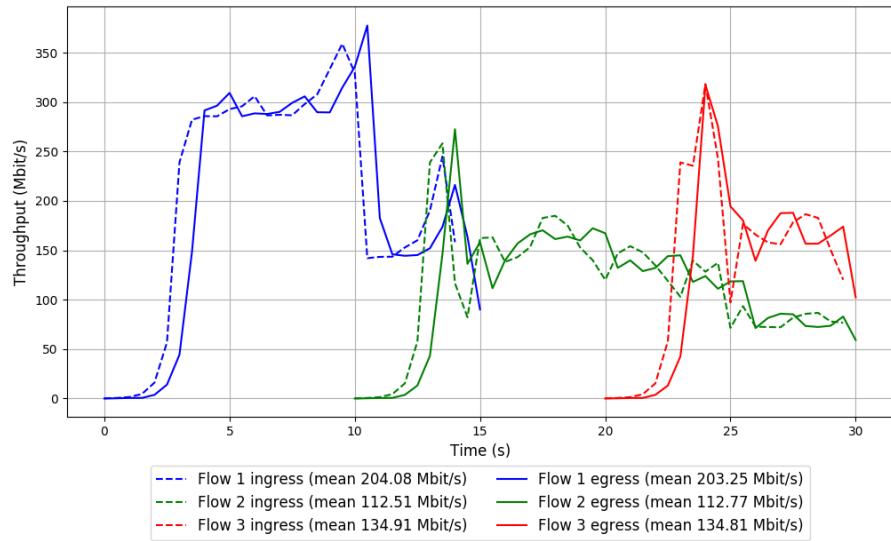


Run 3: Statistics of Copa

```
Start at: 2018-05-25 15:27:43
End at: 2018-05-25 15:28:13
Local clock offset: 0.109 ms
Remote clock offset: -0.241 ms

# Below is generated by plot.py at 2018-05-25 19:14:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 217.82 Mbit/s
95th percentile per-packet one-way delay: 163.711 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 203.25 Mbit/s
95th percentile per-packet one-way delay: 171.273 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 112.77 Mbit/s
95th percentile per-packet one-way delay: 144.341 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 134.81 Mbit/s
95th percentile per-packet one-way delay: 166.724 ms
Loss rate: 2.80%
```

Run 3: Report of Copa — Data Link

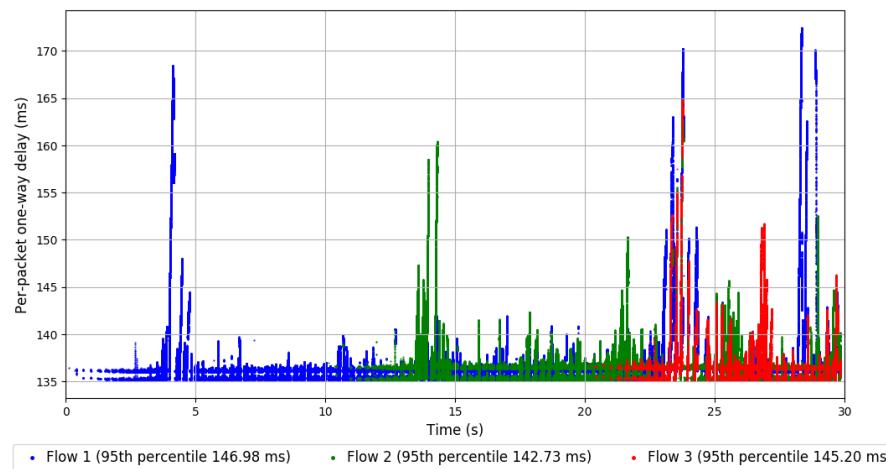
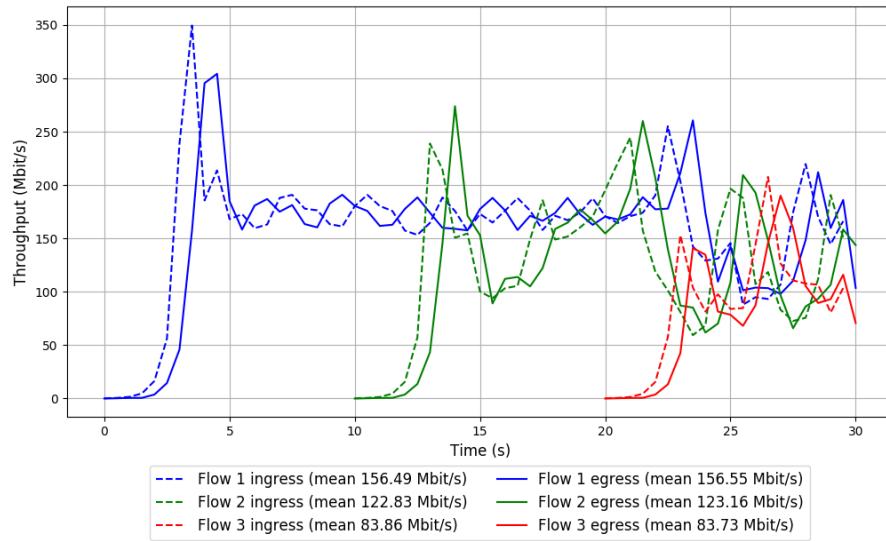


Run 4: Statistics of Copa

```
Start at: 2018-05-25 15:52:55
End at: 2018-05-25 15:53:25
Local clock offset: -0.046 ms
Remote clock offset: -0.631 ms

# Below is generated by plot.py at 2018-05-25 19:14:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 265.49 Mbit/s
95th percentile per-packet one-way delay: 144.831 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 156.55 Mbit/s
95th percentile per-packet one-way delay: 146.984 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 123.16 Mbit/s
95th percentile per-packet one-way delay: 142.732 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 83.73 Mbit/s
95th percentile per-packet one-way delay: 145.202 ms
Loss rate: 2.96%
```

Run 4: Report of Copa — Data Link

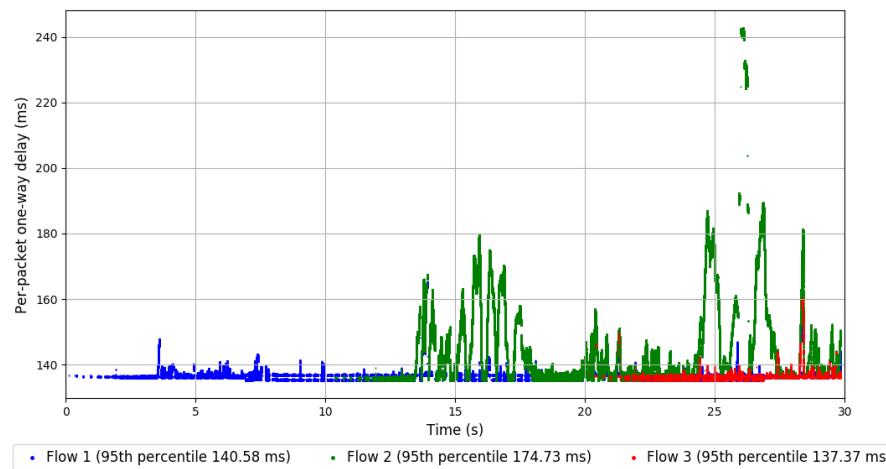
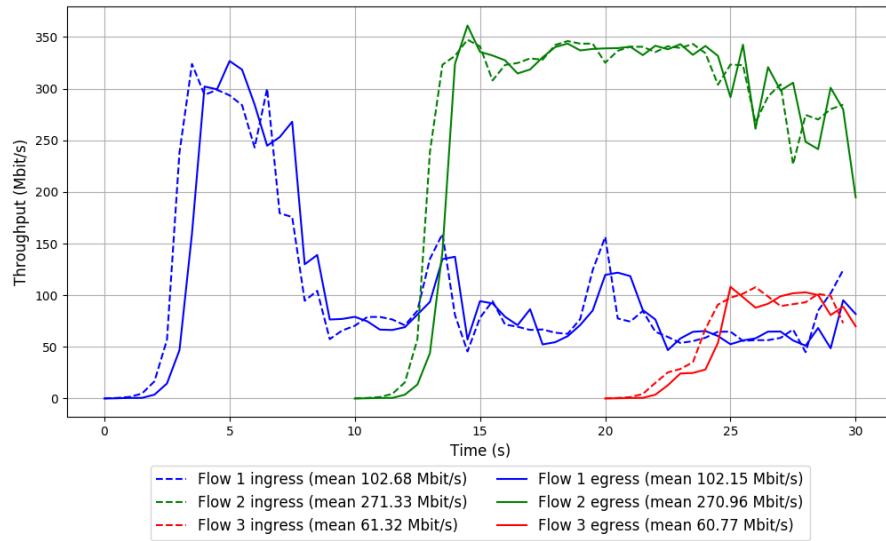


Run 5: Statistics of Copa

```
Start at: 2018-05-25 16:18:04
End at: 2018-05-25 16:18:34
Local clock offset: -0.119 ms
Remote clock offset: -0.599 ms

# Below is generated by plot.py at 2018-05-25 19:14:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 301.64 Mbit/s
95th percentile per-packet one-way delay: 167.337 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 102.15 Mbit/s
95th percentile per-packet one-way delay: 140.580 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 270.96 Mbit/s
95th percentile per-packet one-way delay: 174.732 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 60.77 Mbit/s
95th percentile per-packet one-way delay: 137.367 ms
Loss rate: 3.60%
```

Run 5: Report of Copa — Data Link

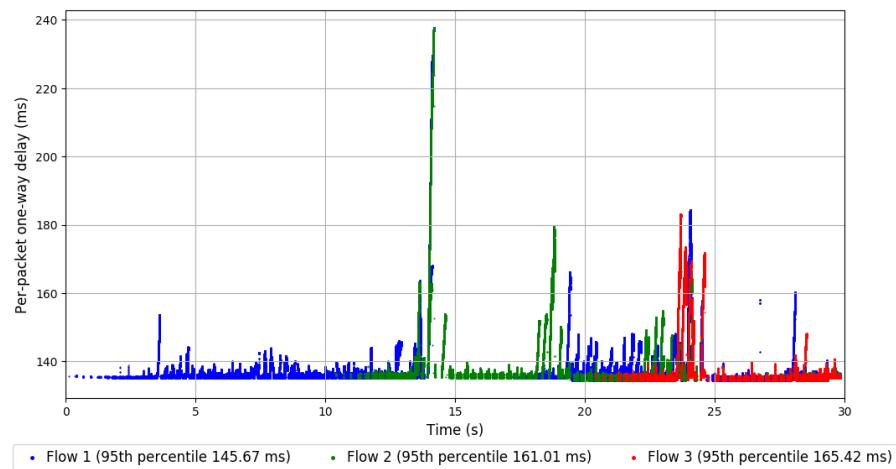
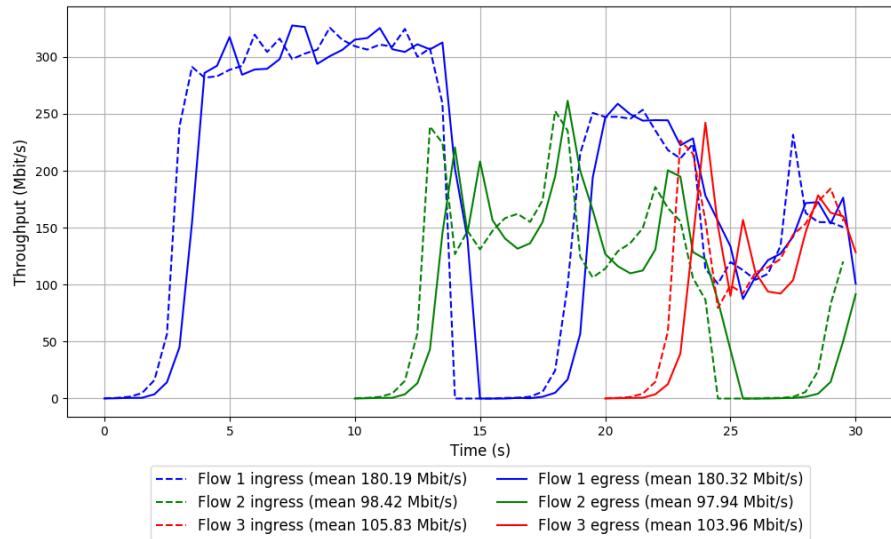


Run 6: Statistics of Copa

```
Start at: 2018-05-25 16:43:02
End at: 2018-05-25 16:43:32
Local clock offset: 0.014 ms
Remote clock offset: 0.177 ms

# Below is generated by plot.py at 2018-05-25 19:14:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 279.16 Mbit/s
95th percentile per-packet one-way delay: 153.656 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 180.32 Mbit/s
95th percentile per-packet one-way delay: 145.668 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 97.94 Mbit/s
95th percentile per-packet one-way delay: 161.014 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 103.96 Mbit/s
95th percentile per-packet one-way delay: 165.424 ms
Loss rate: 4.46%
```

Run 6: Report of Copa — Data Link

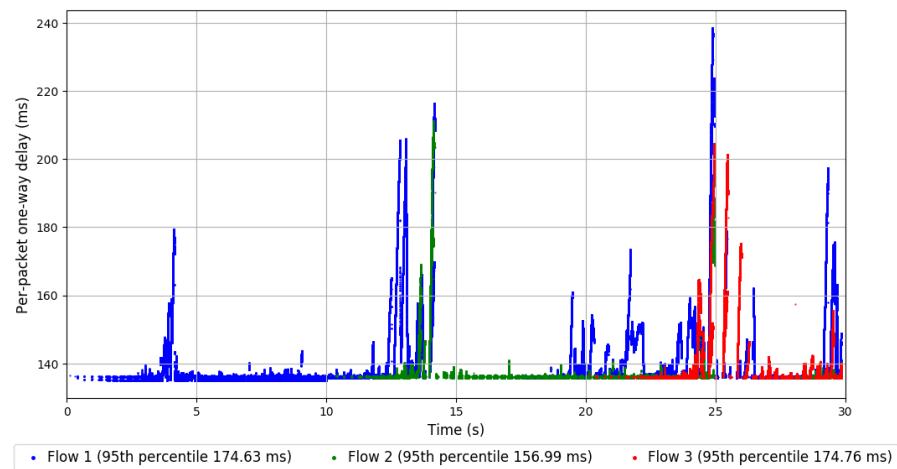
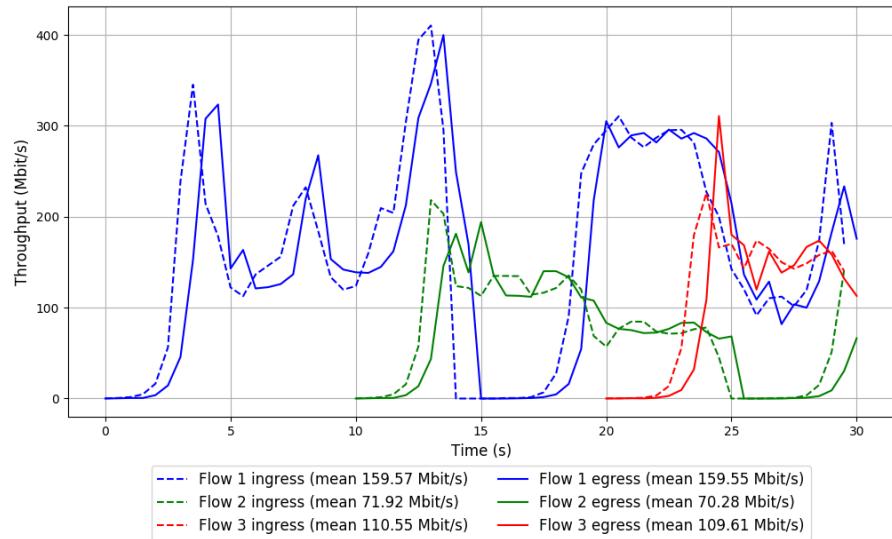


Run 7: Statistics of Copa

```
Start at: 2018-05-25 17:08:21
End at: 2018-05-25 17:08:51
Local clock offset: -0.097 ms
Remote clock offset: -0.522 ms

# Below is generated by plot.py at 2018-05-25 19:14:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 241.90 Mbit/s
95th percentile per-packet one-way delay: 173.694 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 159.55 Mbit/s
95th percentile per-packet one-way delay: 174.628 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 70.28 Mbit/s
95th percentile per-packet one-way delay: 156.988 ms
Loss rate: 3.58%
-- Flow 3:
Average throughput: 109.61 Mbit/s
95th percentile per-packet one-way delay: 174.761 ms
Loss rate: 3.45%
```

Run 7: Report of Copa — Data Link

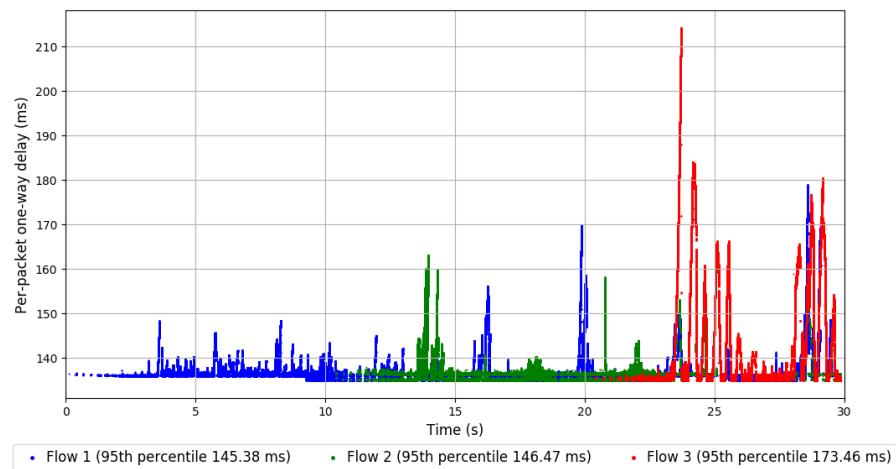
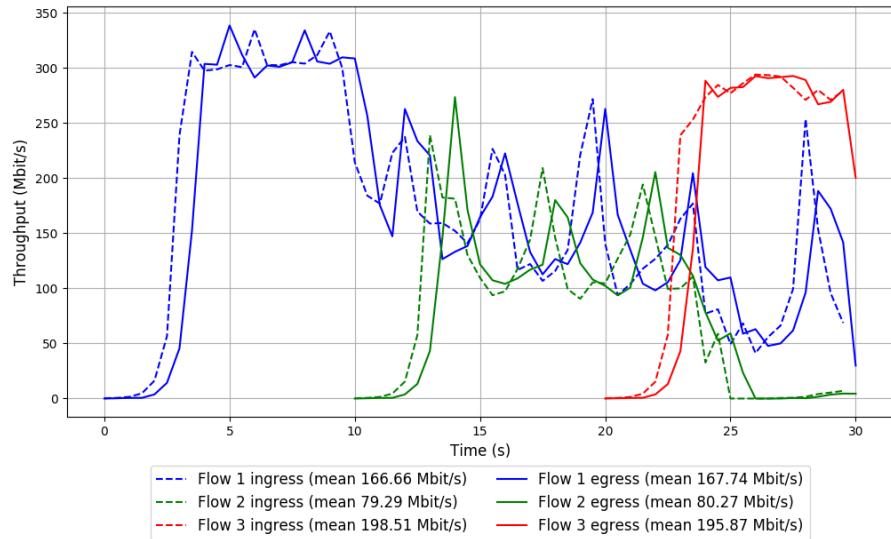


Run 8: Statistics of Copa

```
Start at: 2018-05-25 17:33:32
End at: 2018-05-25 17:34:02
Local clock offset: 0.209 ms
Remote clock offset: -0.219 ms

# Below is generated by plot.py at 2018-05-25 19:15:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 284.21 Mbit/s
95th percentile per-packet one-way delay: 157.082 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 167.74 Mbit/s
95th percentile per-packet one-way delay: 145.381 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 80.27 Mbit/s
95th percentile per-packet one-way delay: 146.468 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 195.87 Mbit/s
95th percentile per-packet one-way delay: 173.462 ms
Loss rate: 4.02%
```

Run 8: Report of Copa — Data Link

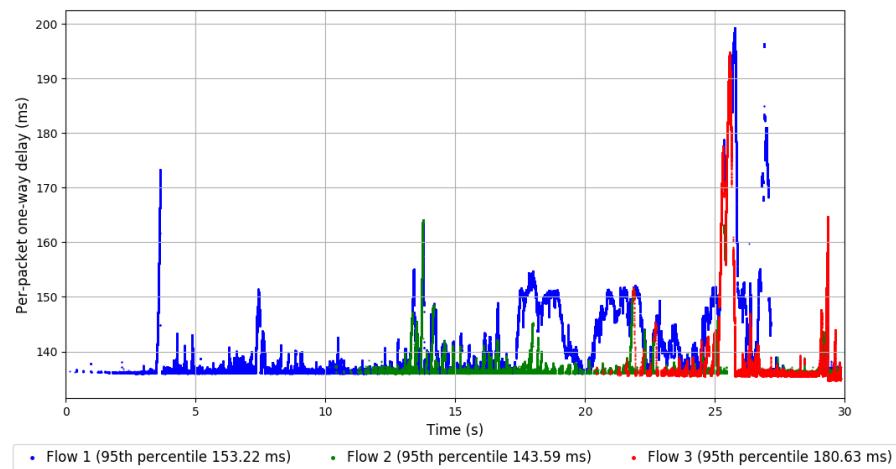
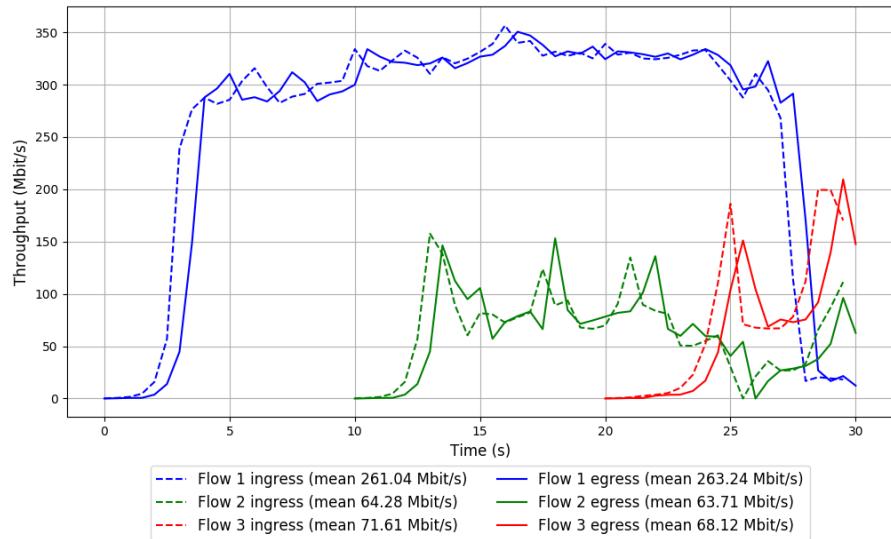


Run 9: Statistics of Copa

```
Start at: 2018-05-25 17:58:52
End at: 2018-05-25 17:59:22
Local clock offset: 0.312 ms
Remote clock offset: -0.229 ms

# Below is generated by plot.py at 2018-05-25 19:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 327.70 Mbit/s
95th percentile per-packet one-way delay: 153.591 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 263.24 Mbit/s
95th percentile per-packet one-way delay: 153.224 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 63.71 Mbit/s
95th percentile per-packet one-way delay: 143.590 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 68.12 Mbit/s
95th percentile per-packet one-way delay: 180.633 ms
Loss rate: 7.47%
```

Run 9: Report of Copa — Data Link

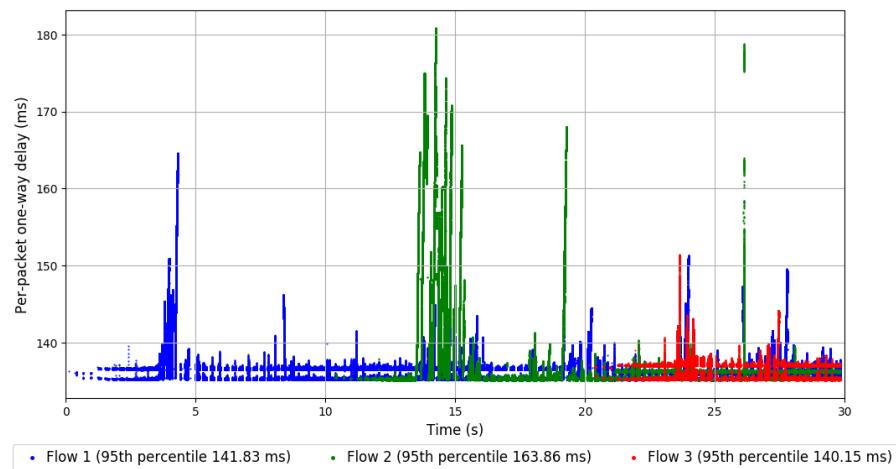
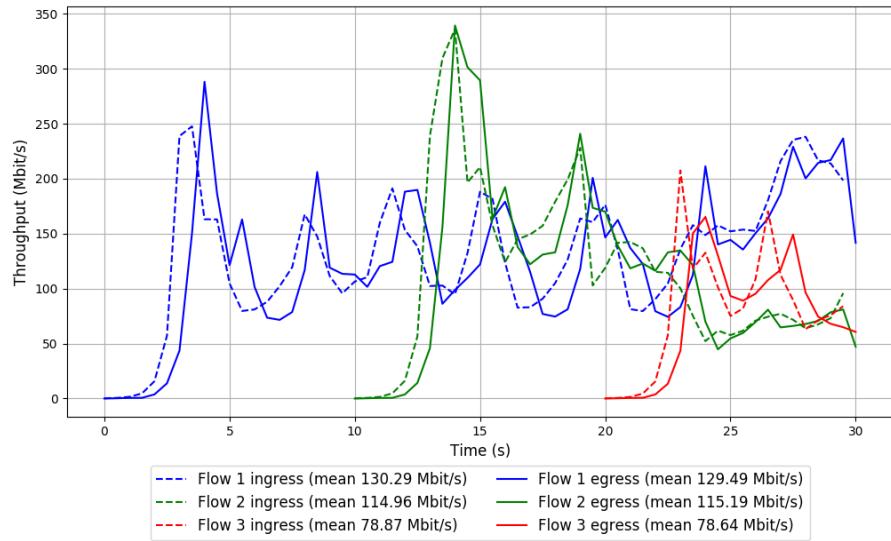


Run 10: Statistics of Copa

```
Start at: 2018-05-25 18:24:10
End at: 2018-05-25 18:24:40
Local clock offset: 0.457 ms
Remote clock offset: -0.191 ms

# Below is generated by plot.py at 2018-05-25 19:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 231.43 Mbit/s
95th percentile per-packet one-way delay: 150.076 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 129.49 Mbit/s
95th percentile per-packet one-way delay: 141.829 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 115.19 Mbit/s
95th percentile per-packet one-way delay: 163.864 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 78.64 Mbit/s
95th percentile per-packet one-way delay: 140.150 ms
Loss rate: 3.05%
```

Run 10: Report of Copa — Data Link

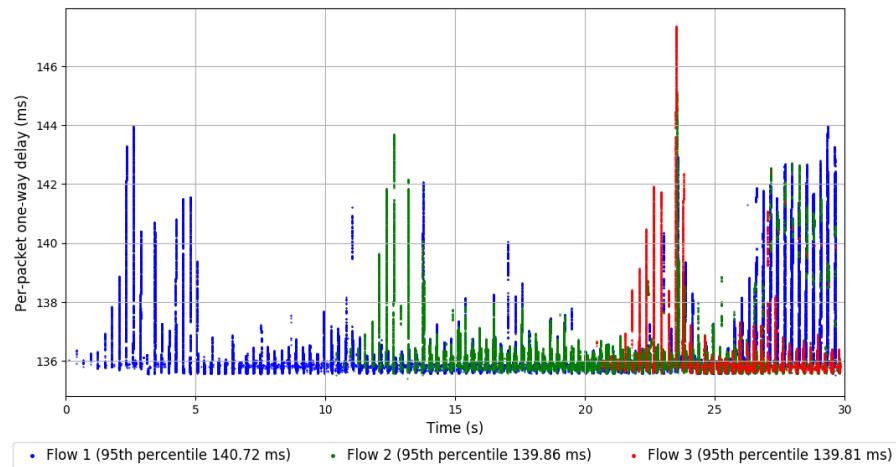
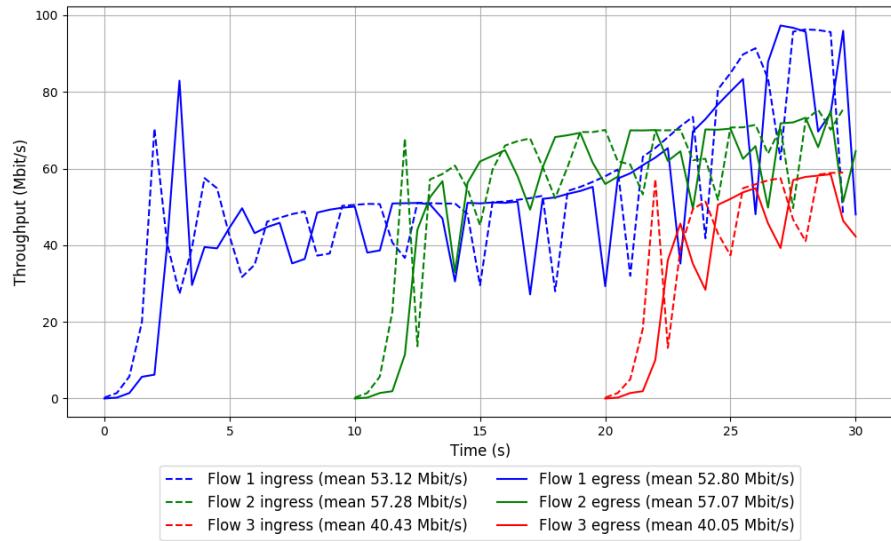


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-25 14:39:27
End at: 2018-05-25 14:39:57
Local clock offset: -0.347 ms
Remote clock offset: -0.593 ms

# Below is generated by plot.py at 2018-05-25 19:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 103.29 Mbit/s
95th percentile per-packet one-way delay: 140.448 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 52.80 Mbit/s
95th percentile per-packet one-way delay: 140.715 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 57.07 Mbit/s
95th percentile per-packet one-way delay: 139.862 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 139.807 ms
Loss rate: 3.67%
```

Run 1: Report of TCP Cubic — Data Link

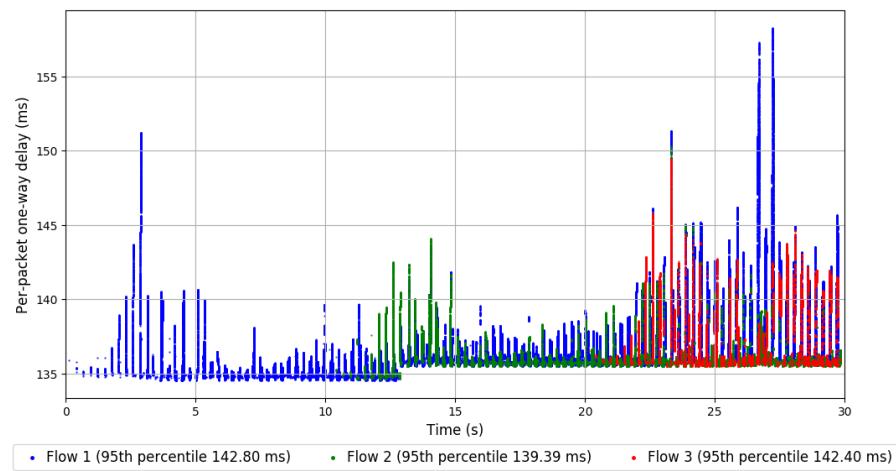
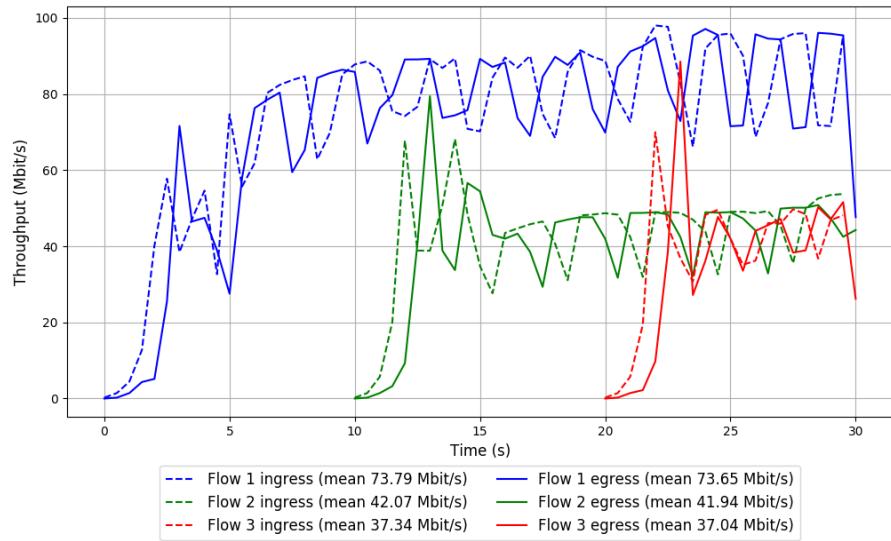


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-25 15:04:28
End at: 2018-05-25 15:04:58
Local clock offset: 0.164 ms
Remote clock offset: 0.132 ms

# Below is generated by plot.py at 2018-05-25 19:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 113.30 Mbit/s
95th percentile per-packet one-way delay: 142.072 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 73.65 Mbit/s
95th percentile per-packet one-way delay: 142.802 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 41.94 Mbit/s
95th percentile per-packet one-way delay: 139.386 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 37.04 Mbit/s
95th percentile per-packet one-way delay: 142.399 ms
Loss rate: 3.52%
```

Run 2: Report of TCP Cubic — Data Link

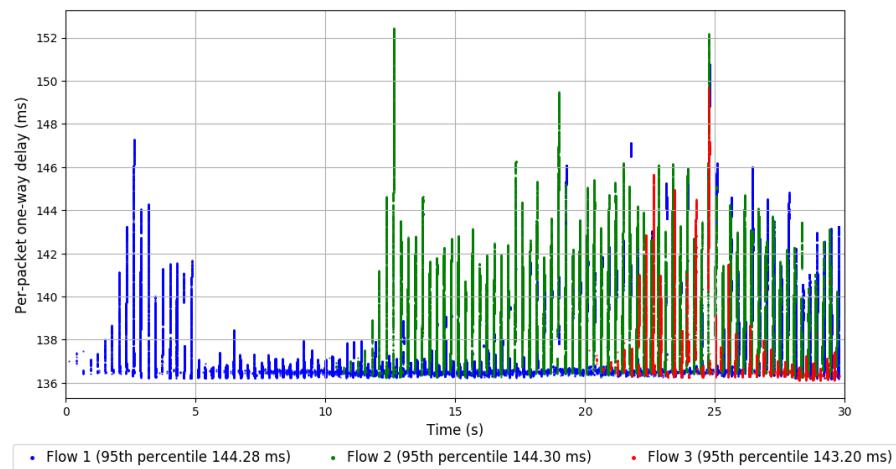
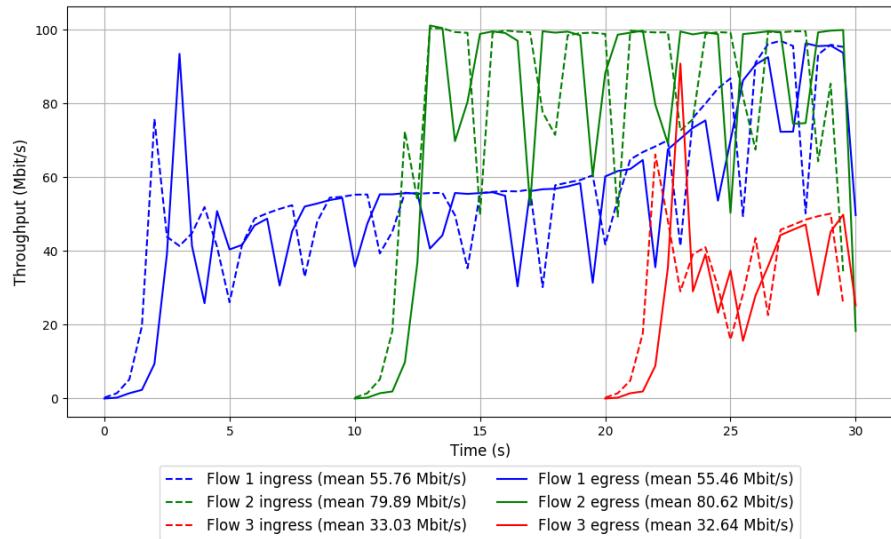


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-25 15:29:23
End at: 2018-05-25 15:29:53
Local clock offset: 0.227 ms
Remote clock offset: -0.59 ms

# Below is generated by plot.py at 2018-05-25 19:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 119.13 Mbit/s
95th percentile per-packet one-way delay: 144.224 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 55.46 Mbit/s
95th percentile per-packet one-way delay: 144.281 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 80.62 Mbit/s
95th percentile per-packet one-way delay: 144.300 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 32.64 Mbit/s
95th percentile per-packet one-way delay: 143.198 ms
Loss rate: 3.88%
```

Run 3: Report of TCP Cubic — Data Link

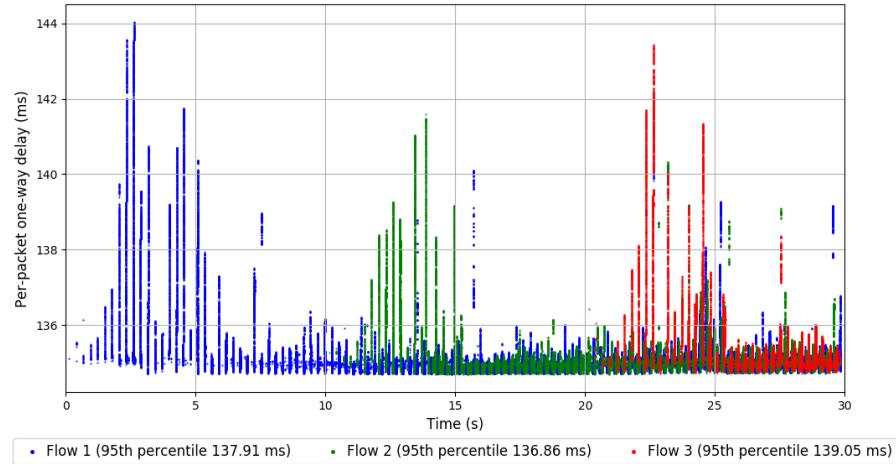
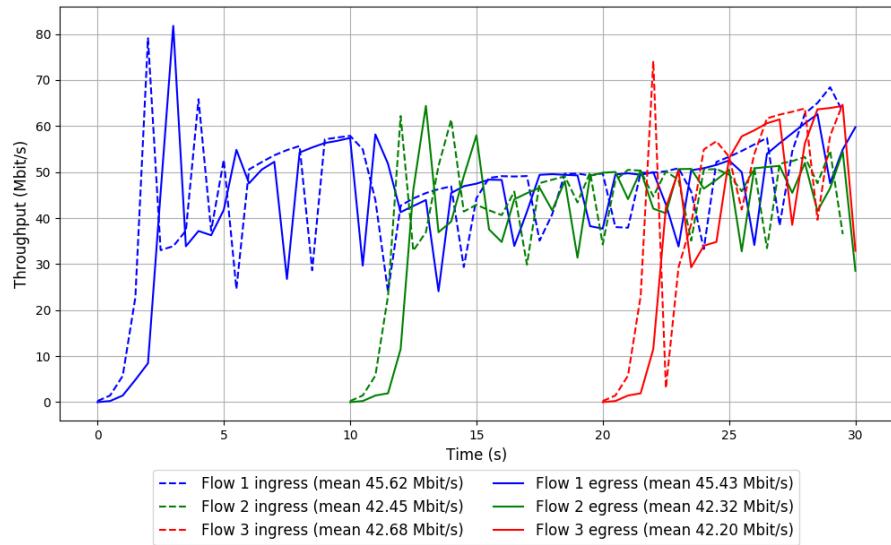


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-25 15:54:38
End at: 2018-05-25 15:55:08
Local clock offset: -0.039 ms
Remote clock offset: -0.234 ms

# Below is generated by plot.py at 2018-05-25 19:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 137.706 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 45.43 Mbit/s
95th percentile per-packet one-way delay: 137.905 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 42.32 Mbit/s
95th percentile per-packet one-way delay: 136.863 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 42.20 Mbit/s
95th percentile per-packet one-way delay: 139.046 ms
Loss rate: 3.83%
```

Run 4: Report of TCP Cubic — Data Link

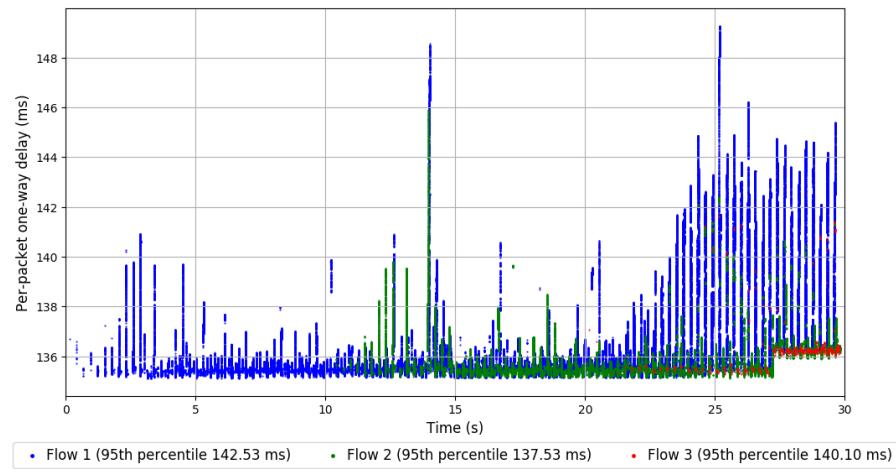
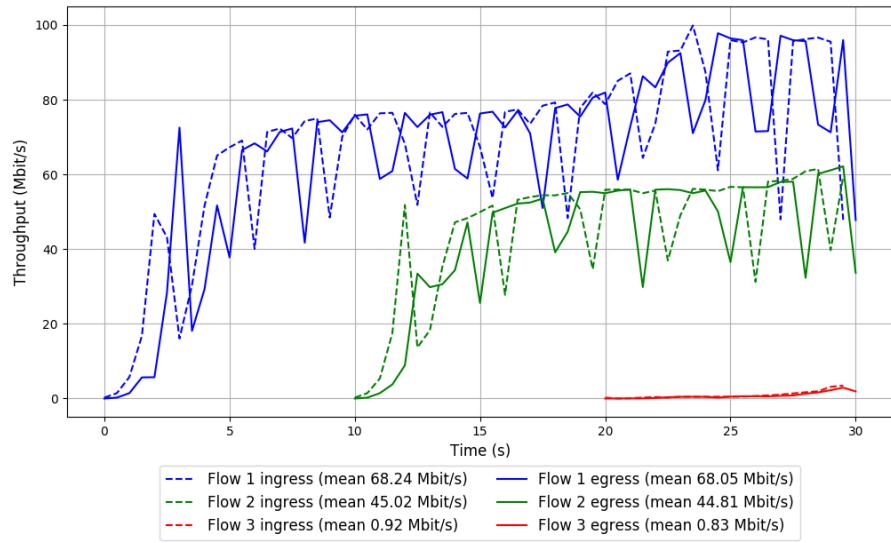


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-25 16:19:54
End at: 2018-05-25 16:20:24
Local clock offset: -0.103 ms
Remote clock offset: -0.59 ms

# Below is generated by plot.py at 2018-05-25 19:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.54 Mbit/s
95th percentile per-packet one-way delay: 141.888 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 68.05 Mbit/s
95th percentile per-packet one-way delay: 142.534 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 44.81 Mbit/s
95th percentile per-packet one-way delay: 137.528 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 140.103 ms
Loss rate: 12.81%
```

Run 5: Report of TCP Cubic — Data Link

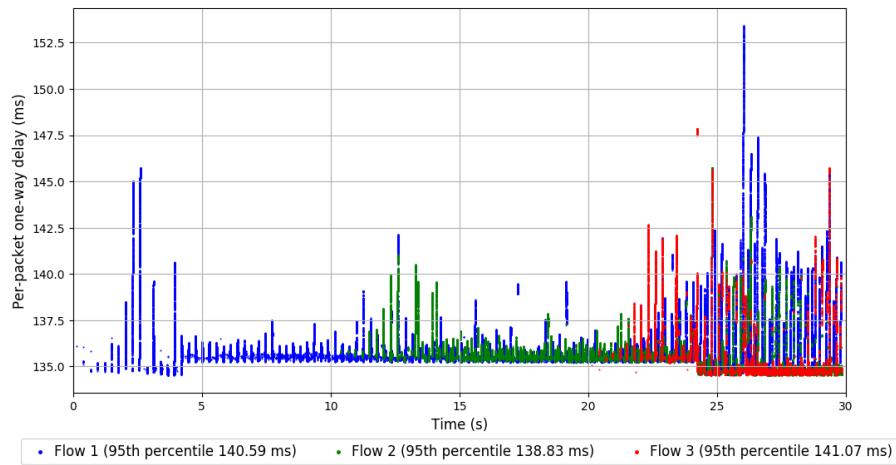
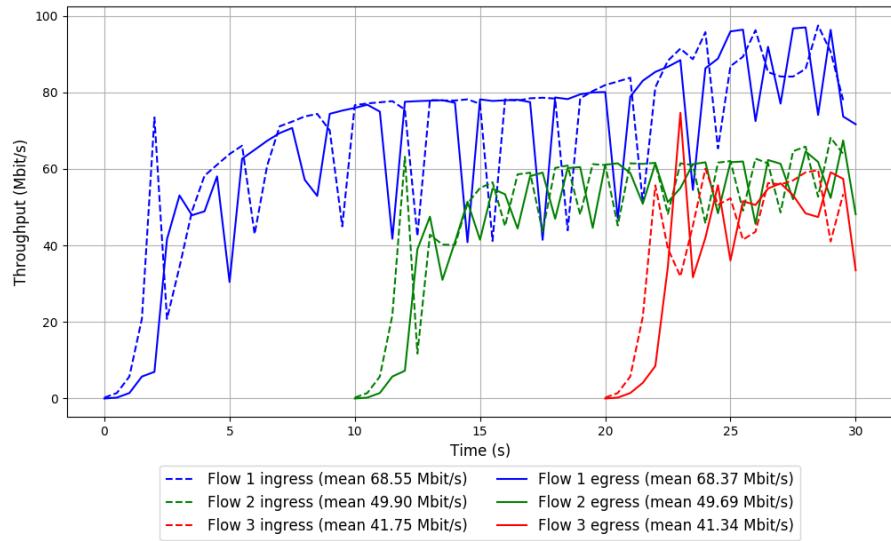


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-25 16:44:47
End at: 2018-05-25 16:45:17
Local clock offset: -0.297 ms
Remote clock offset: -0.16 ms

# Below is generated by plot.py at 2018-05-25 19:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 114.73 Mbit/s
95th percentile per-packet one-way delay: 140.201 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 68.37 Mbit/s
95th percentile per-packet one-way delay: 140.586 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 138.827 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 41.34 Mbit/s
95th percentile per-packet one-way delay: 141.075 ms
Loss rate: 3.66%
```

Run 6: Report of TCP Cubic — Data Link

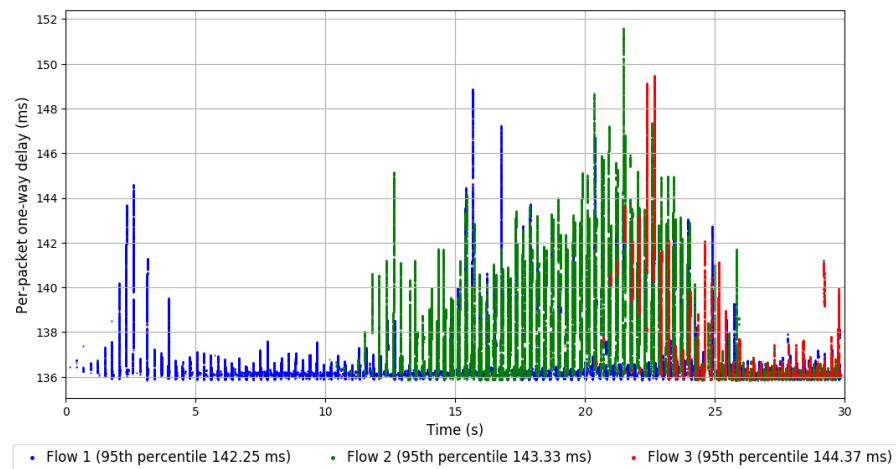
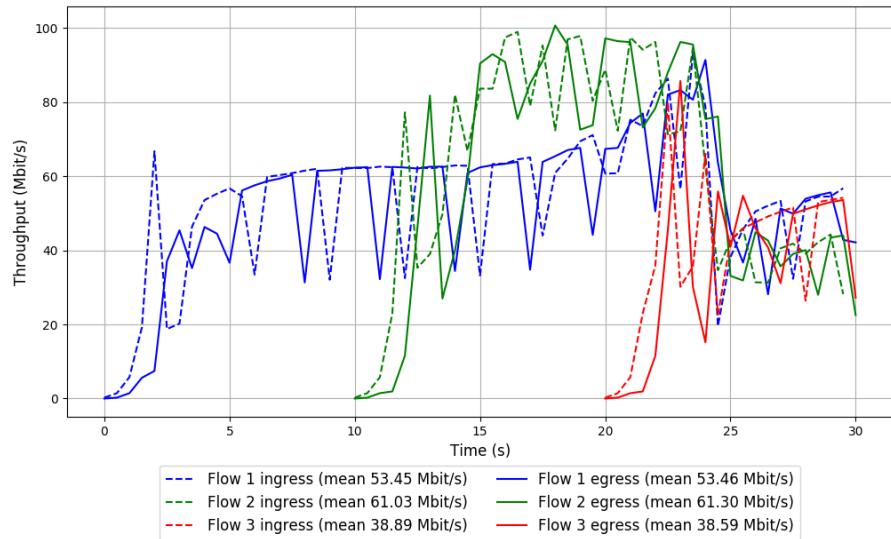


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-25 17:10:02
End at: 2018-05-25 17:10:32
Local clock offset: 0.314 ms
Remote clock offset: -0.156 ms

# Below is generated by plot.py at 2018-05-25 19:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 106.63 Mbit/s
95th percentile per-packet one-way delay: 142.826 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 53.46 Mbit/s
95th percentile per-packet one-way delay: 142.248 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 61.30 Mbit/s
95th percentile per-packet one-way delay: 143.330 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 38.59 Mbit/s
95th percentile per-packet one-way delay: 144.366 ms
Loss rate: 3.50%
```

Run 7: Report of TCP Cubic — Data Link

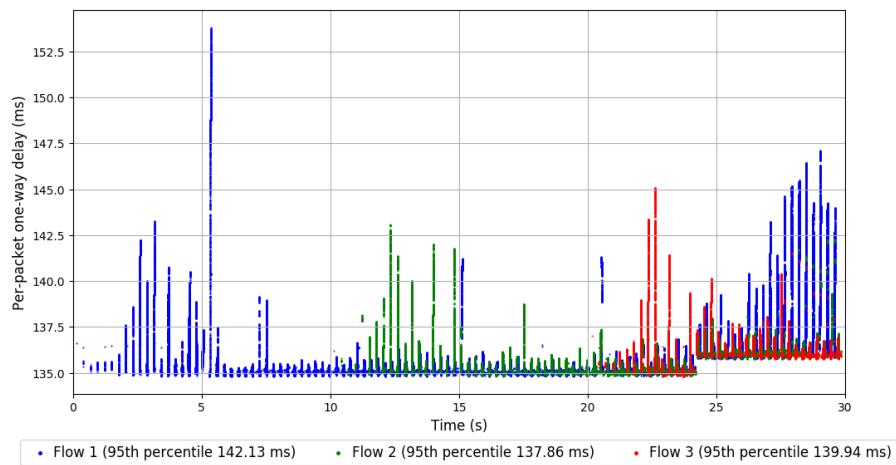
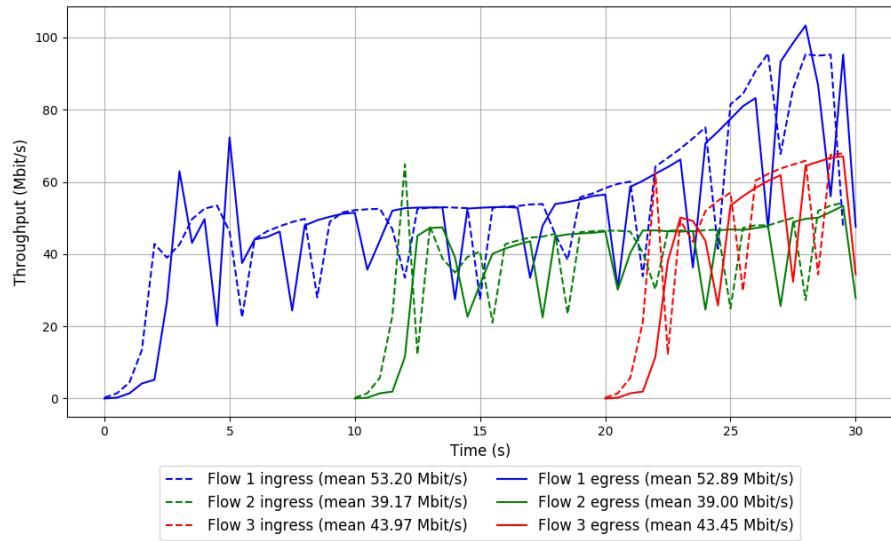


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-25 17:35:17
End at: 2018-05-25 17:35:47
Local clock offset: -0.159 ms
Remote clock offset: -0.491 ms

# Below is generated by plot.py at 2018-05-25 19:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 140.932 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 142.129 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 39.00 Mbit/s
95th percentile per-packet one-way delay: 137.856 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 139.939 ms
Loss rate: 3.89%
```

Run 8: Report of TCP Cubic — Data Link

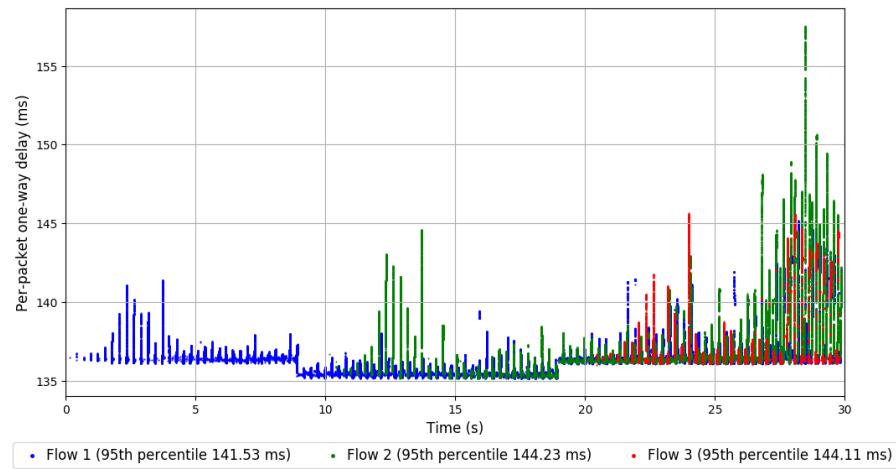
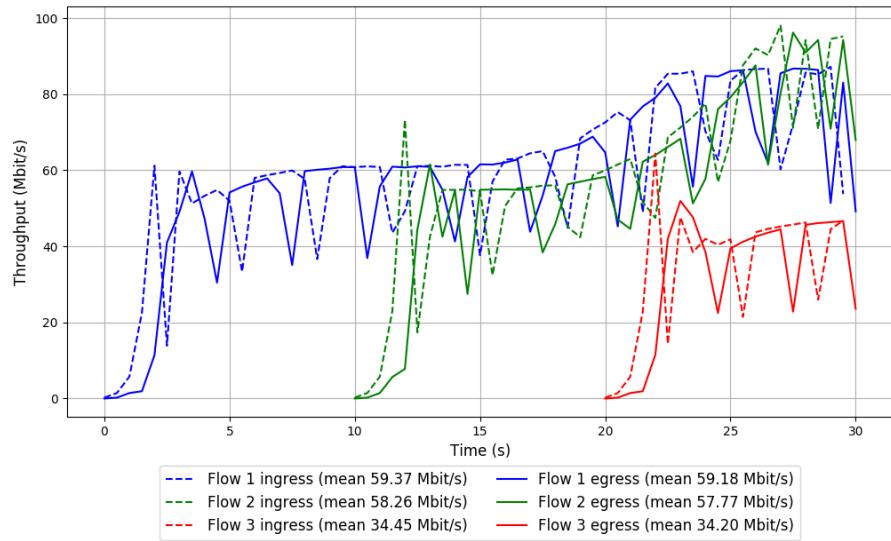


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-25 18:00:42
End at: 2018-05-25 18:01:12
Local clock offset: 0.403 ms
Remote clock offset: -0.206 ms

# Below is generated by plot.py at 2018-05-25 19:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 108.60 Mbit/s
95th percentile per-packet one-way delay: 143.046 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 59.18 Mbit/s
95th percentile per-packet one-way delay: 141.528 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 144.232 ms
Loss rate: 2.19%
-- Flow 3:
Average throughput: 34.20 Mbit/s
95th percentile per-packet one-way delay: 144.107 ms
Loss rate: 3.44%
```

Run 9: Report of TCP Cubic — Data Link

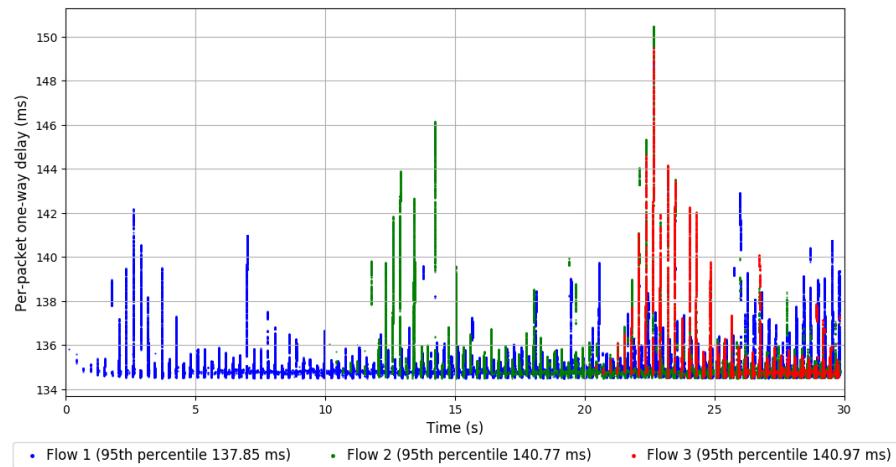
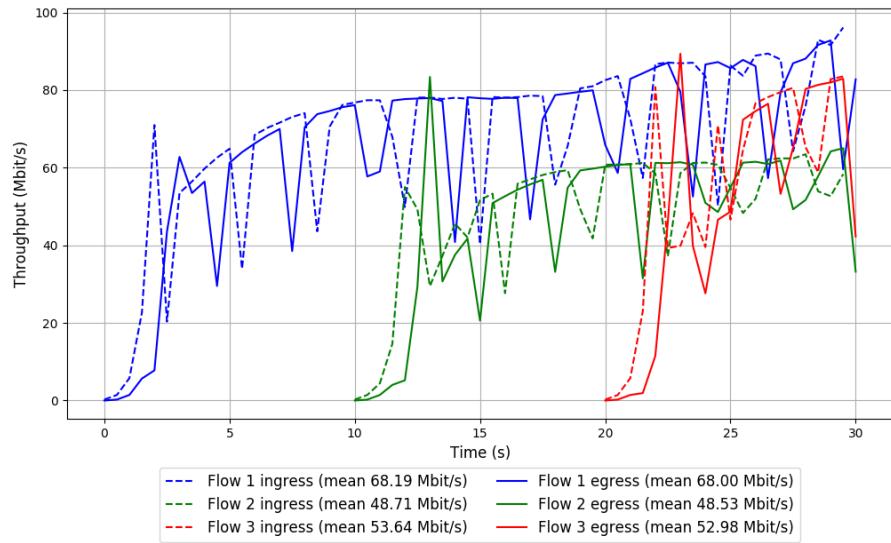


Run 10: Statistics of TCP Cubic

```
Start at: 2018-05-25 18:25:50
End at: 2018-05-25 18:26:20
Local clock offset: -0.236 ms
Remote clock offset: -0.204 ms

# Below is generated by plot.py at 2018-05-25 19:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 117.40 Mbit/s
95th percentile per-packet one-way delay: 138.838 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 68.00 Mbit/s
95th percentile per-packet one-way delay: 137.848 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 140.771 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 52.98 Mbit/s
95th percentile per-packet one-way delay: 140.975 ms
Loss rate: 3.92%
```

Run 10: Report of TCP Cubic — Data Link

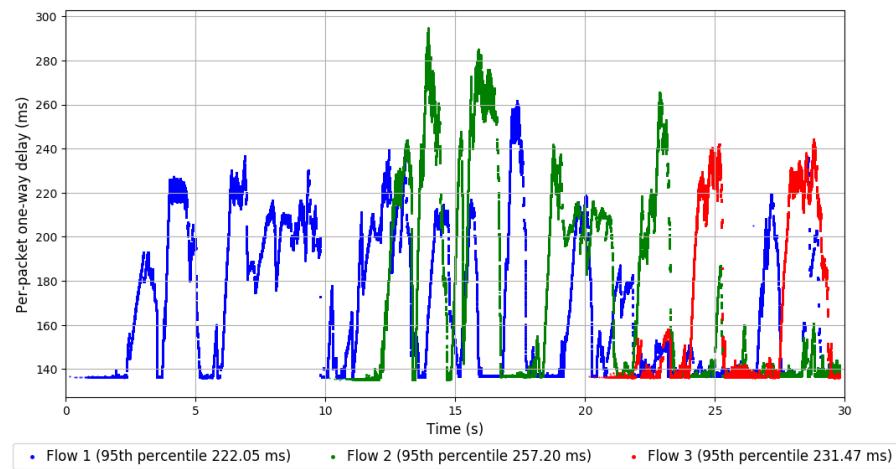
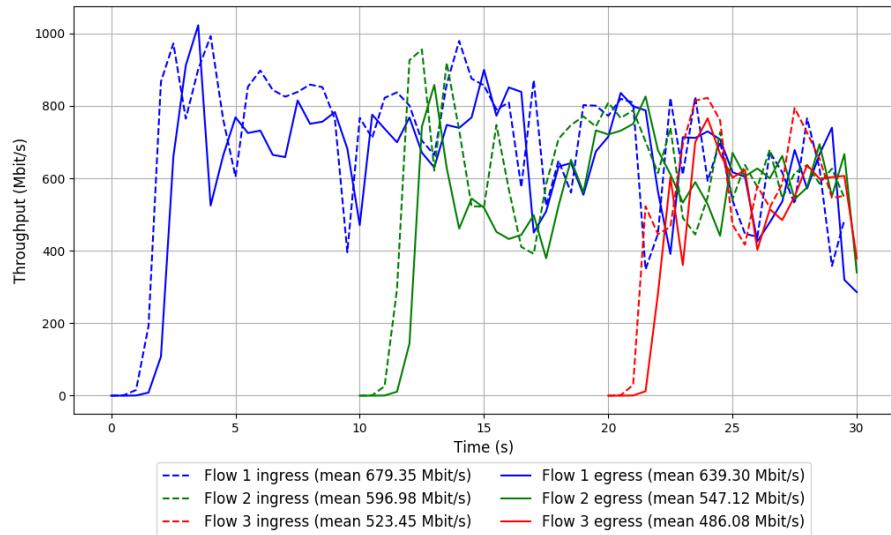


```
Run 1: Statistics of FillP
```

```
Start at: 2018-05-25 14:57:16
End at: 2018-05-25 14:57:46
Local clock offset: 0.018 ms
Remote clock offset: -0.641 ms

# Below is generated by plot.py at 2018-05-25 19:40:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1160.14 Mbit/s
95th percentile per-packet one-way delay: 233.937 ms
Loss rate: 8.07%
-- Flow 1:
Average throughput: 639.30 Mbit/s
95th percentile per-packet one-way delay: 222.053 ms
Loss rate: 6.76%
-- Flow 2:
Average throughput: 547.12 Mbit/s
95th percentile per-packet one-way delay: 257.203 ms
Loss rate: 9.60%
-- Flow 3:
Average throughput: 486.08 Mbit/s
95th percentile per-packet one-way delay: 231.473 ms
Loss rate: 9.69%
```

Run 1: Report of FillP — Data Link

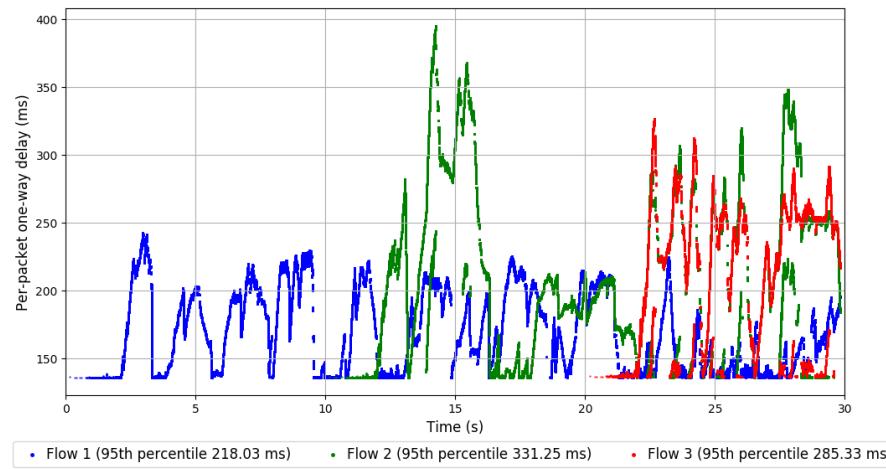
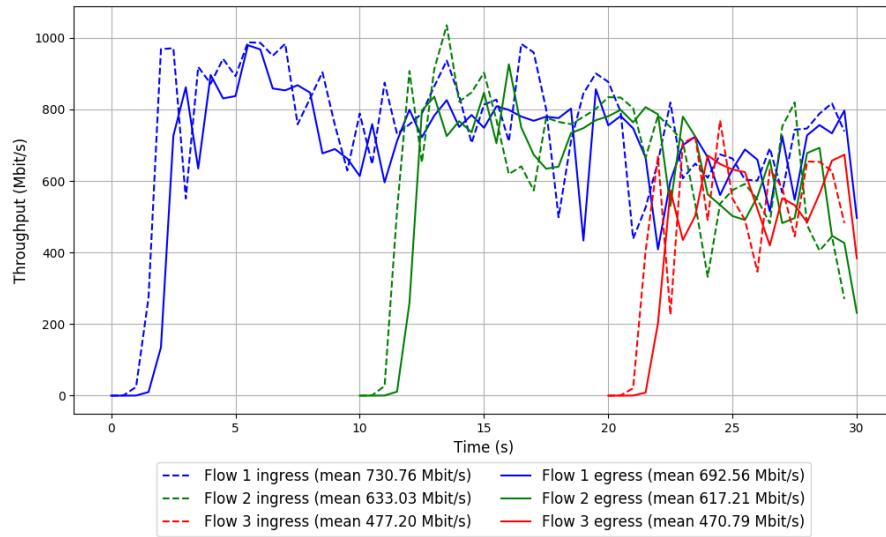


Run 2: Statistics of FillP

```
Start at: 2018-05-25 15:22:10
End at: 2018-05-25 15:22:40
Local clock offset: 0.109 ms
Remote clock offset: -0.615 ms

# Below is generated by plot.py at 2018-05-25 19:44:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1254.58 Mbit/s
95th percentile per-packet one-way delay: 288.751 ms
Loss rate: 5.12%
-- Flow 1:
Average throughput: 692.56 Mbit/s
95th percentile per-packet one-way delay: 218.027 ms
Loss rate: 6.09%
-- Flow 2:
Average throughput: 617.21 Mbit/s
95th percentile per-packet one-way delay: 331.247 ms
Loss rate: 3.84%
-- Flow 3:
Average throughput: 470.79 Mbit/s
95th percentile per-packet one-way delay: 285.328 ms
Loss rate: 4.06%
```

Run 2: Report of FillP — Data Link

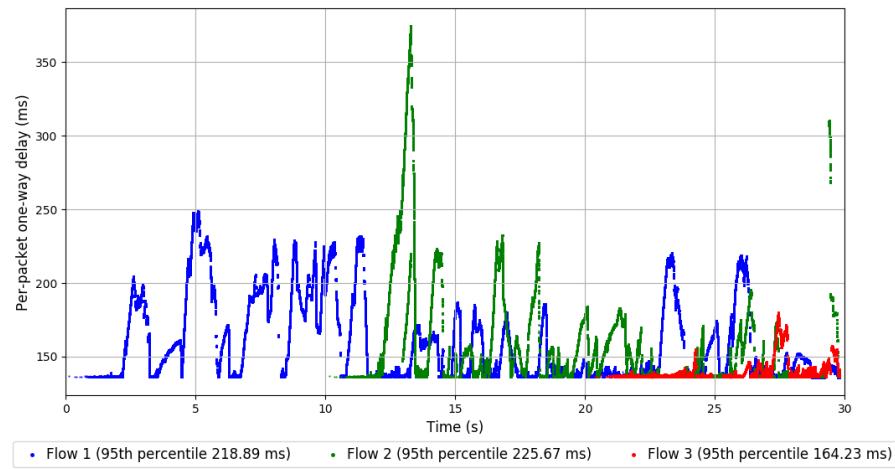
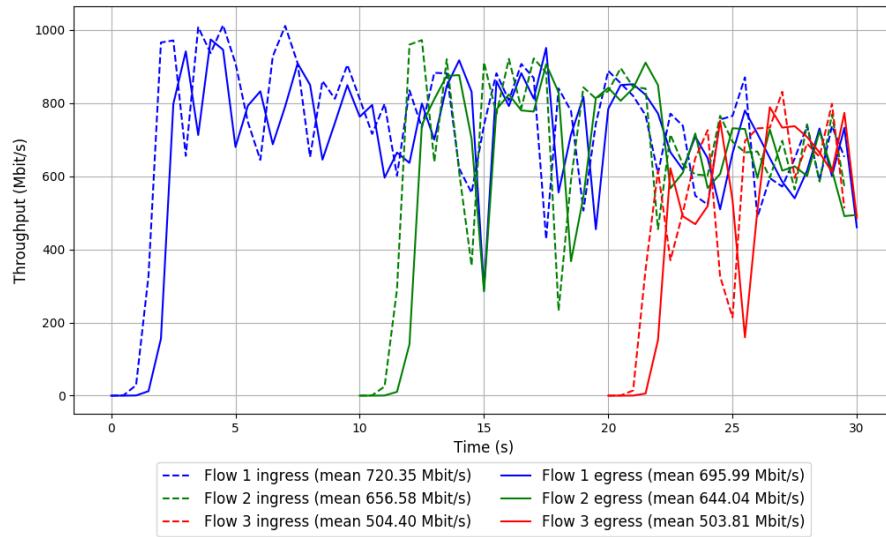


```
Run 3: Statistics of FillP
```

```
Start at: 2018-05-25 15:47:22
End at: 2018-05-25 15:47:52
Local clock offset: -0.288 ms
Remote clock offset: -0.605 ms

# Below is generated by plot.py at 2018-05-25 19:45:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1286.47 Mbit/s
95th percentile per-packet one-way delay: 218.552 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 695.99 Mbit/s
95th percentile per-packet one-way delay: 218.894 ms
Loss rate: 4.27%
-- Flow 2:
Average throughput: 644.04 Mbit/s
95th percentile per-packet one-way delay: 225.673 ms
Loss rate: 3.26%
-- Flow 3:
Average throughput: 503.81 Mbit/s
95th percentile per-packet one-way delay: 164.232 ms
Loss rate: 2.88%
```

Run 3: Report of FillP — Data Link

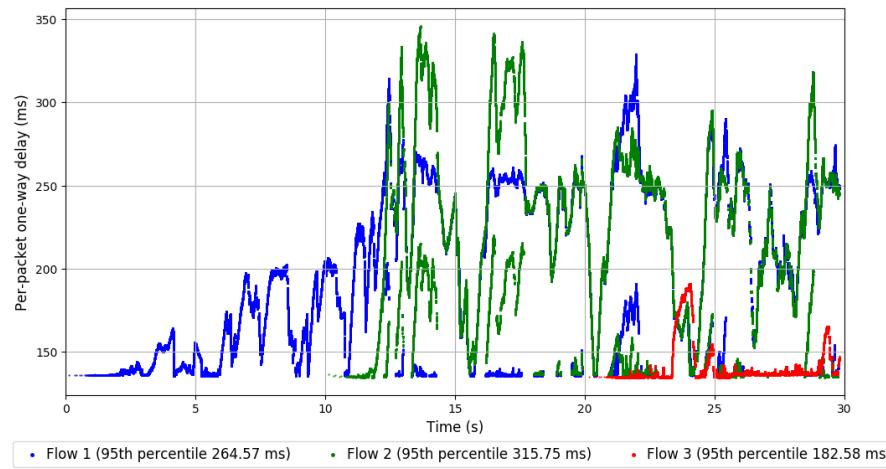
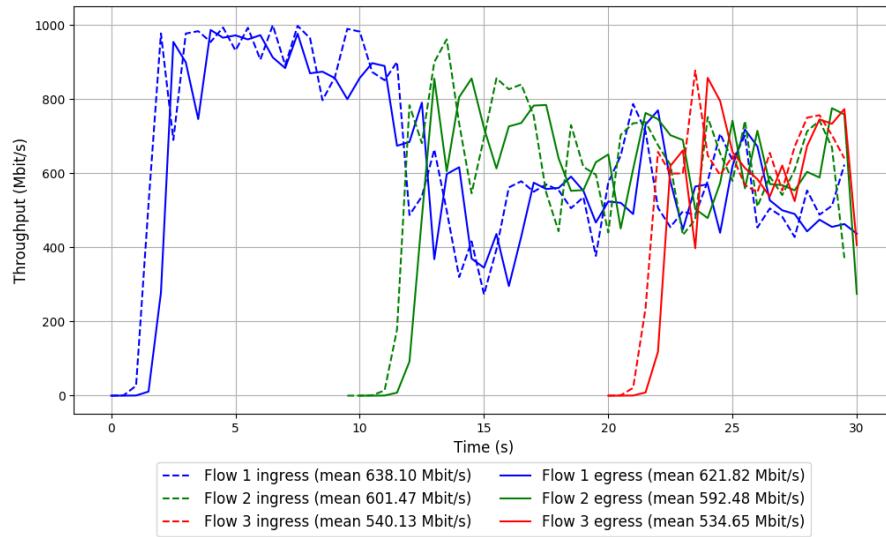


Run 4: Statistics of FillP

```
Start at: 2018-05-25 16:12:35
End at: 2018-05-25 16:13:05
Local clock offset: -0.059 ms
Remote clock offset: -0.221 ms

# Below is generated by plot.py at 2018-05-25 19:45:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1188.71 Mbit/s
95th percentile per-packet one-way delay: 284.930 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 621.82 Mbit/s
95th percentile per-packet one-way delay: 264.568 ms
Loss rate: 3.41%
-- Flow 2:
Average throughput: 592.48 Mbit/s
95th percentile per-packet one-way delay: 315.746 ms
Loss rate: 2.84%
-- Flow 3:
Average throughput: 534.65 Mbit/s
95th percentile per-packet one-way delay: 182.578 ms
Loss rate: 3.71%
```

Run 4: Report of FillP — Data Link

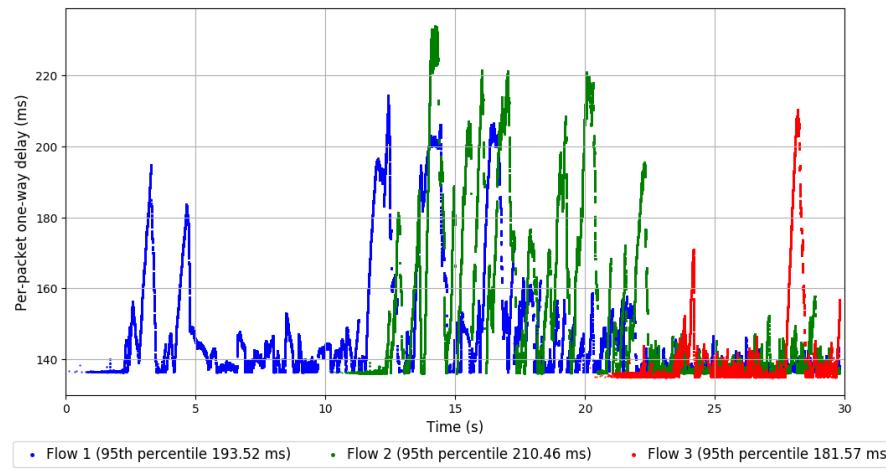
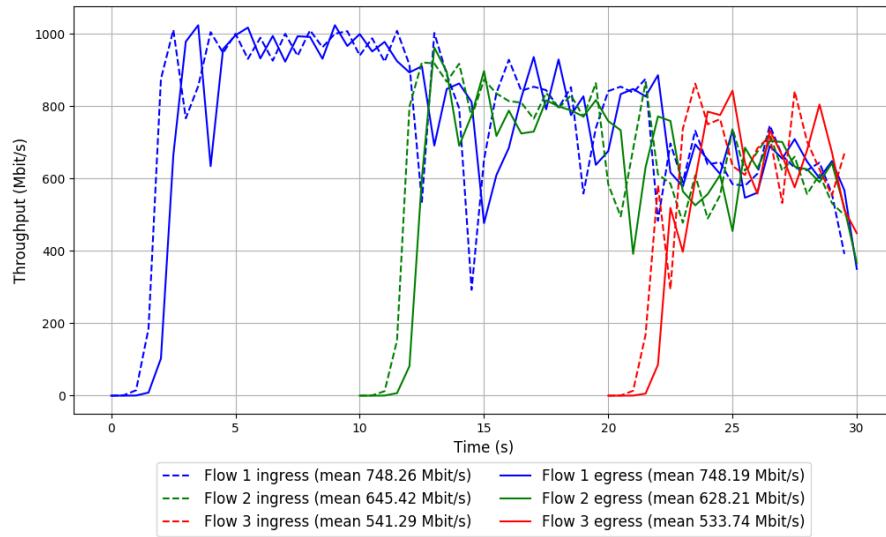


Run 5: Statistics of FillP

```
Start at: 2018-05-25 16:37:36
End at: 2018-05-25 16:38:06
Local clock offset: 0.303 ms
Remote clock offset: -0.175 ms

# Below is generated by plot.py at 2018-05-25 19:46:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1337.76 Mbit/s
95th percentile per-packet one-way delay: 200.366 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 748.19 Mbit/s
95th percentile per-packet one-way delay: 193.518 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 628.21 Mbit/s
95th percentile per-packet one-way delay: 210.460 ms
Loss rate: 4.00%
-- Flow 3:
Average throughput: 533.74 Mbit/s
95th percentile per-packet one-way delay: 181.567 ms
Loss rate: 4.12%
```

Run 5: Report of FillP — Data Link

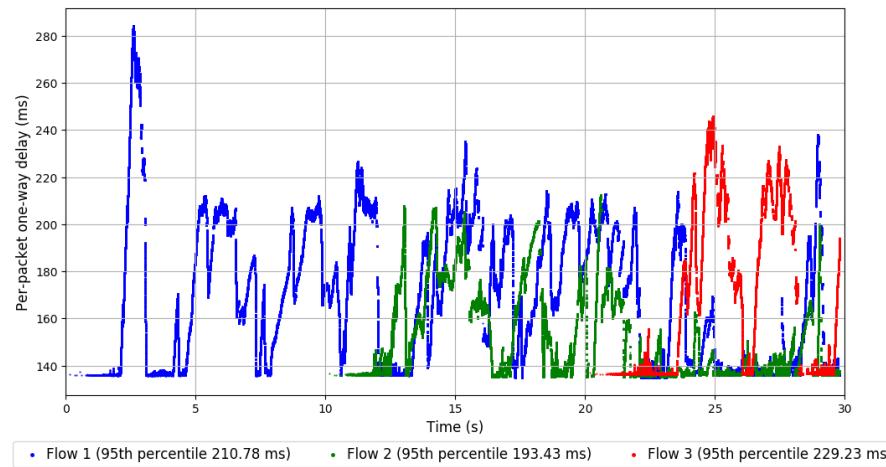
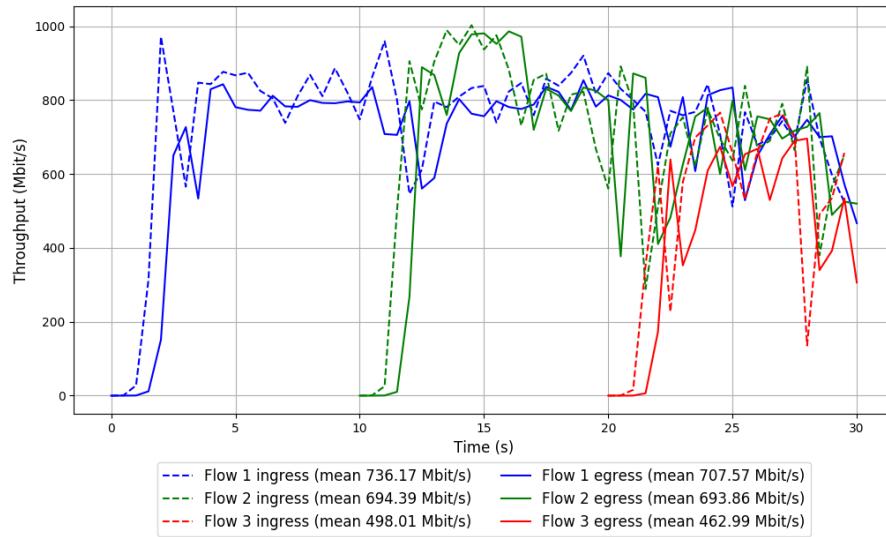


Run 6: Statistics of FillP

```
Start at: 2018-05-25 17:02:47
End at: 2018-05-25 17:03:17
Local clock offset: 0.059 ms
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2018-05-25 19:46:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1317.81 Mbit/s
95th percentile per-packet one-way delay: 211.381 ms
Loss rate: 4.22%
-- Flow 1:
Average throughput: 707.57 Mbit/s
95th percentile per-packet one-way delay: 210.777 ms
Loss rate: 4.76%
-- Flow 2:
Average throughput: 693.86 Mbit/s
95th percentile per-packet one-way delay: 193.425 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 462.99 Mbit/s
95th percentile per-packet one-way delay: 229.234 ms
Loss rate: 9.61%
```

Run 6: Report of FillP — Data Link

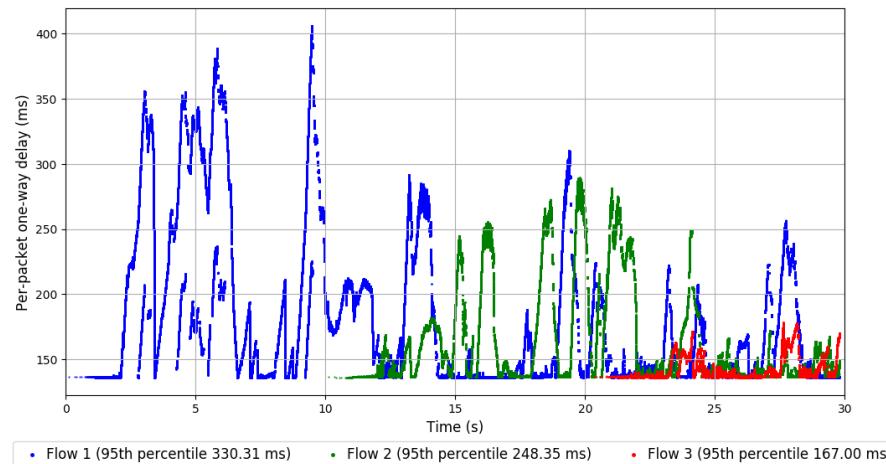
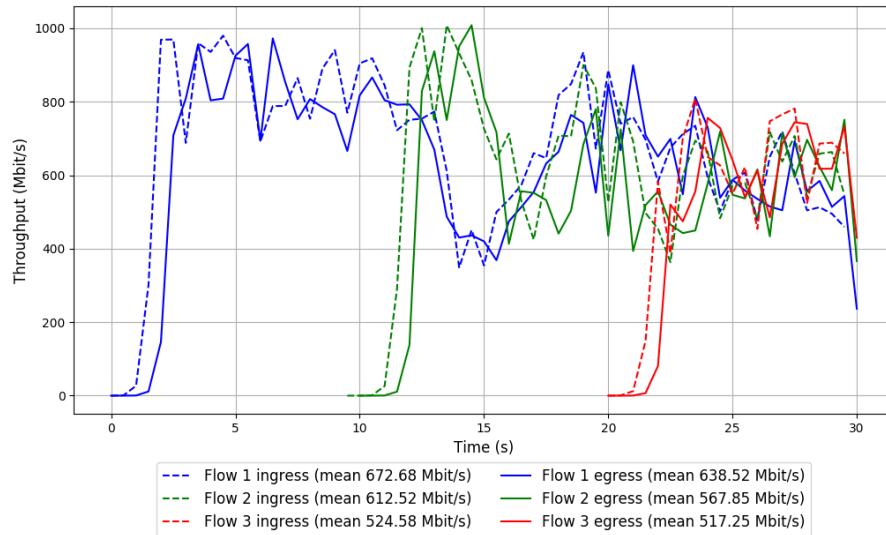


Run 7: Statistics of FillP

```
Start at: 2018-05-25 17:28:00
End at: 2018-05-25 17:28:30
Local clock offset: 0.173 ms
Remote clock offset: -0.215 ms

# Below is generated by plot.py at 2018-05-25 19:46:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1182.96 Mbit/s
95th percentile per-packet one-way delay: 304.655 ms
Loss rate: 6.52%
-- Flow 1:
Average throughput: 638.52 Mbit/s
95th percentile per-packet one-way delay: 330.313 ms
Loss rate: 5.92%
-- Flow 2:
Average throughput: 567.85 Mbit/s
95th percentile per-packet one-way delay: 248.346 ms
Loss rate: 8.51%
-- Flow 3:
Average throughput: 517.25 Mbit/s
95th percentile per-packet one-way delay: 166.996 ms
Loss rate: 4.12%
```

Run 7: Report of FillP — Data Link

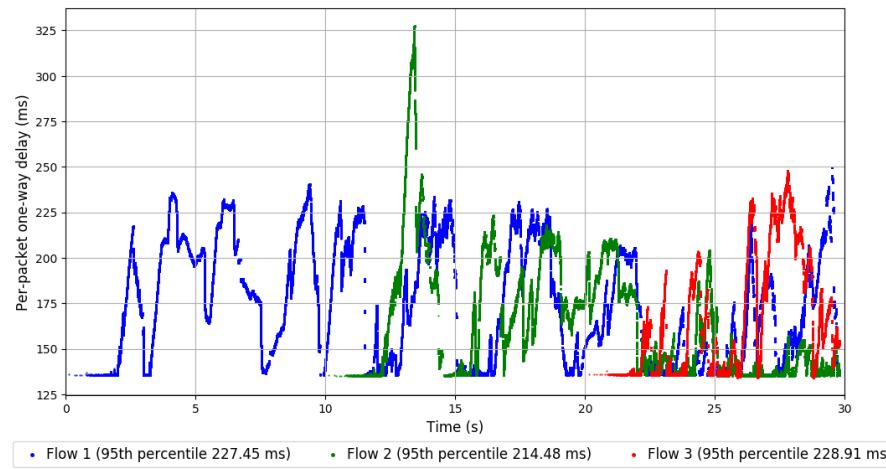
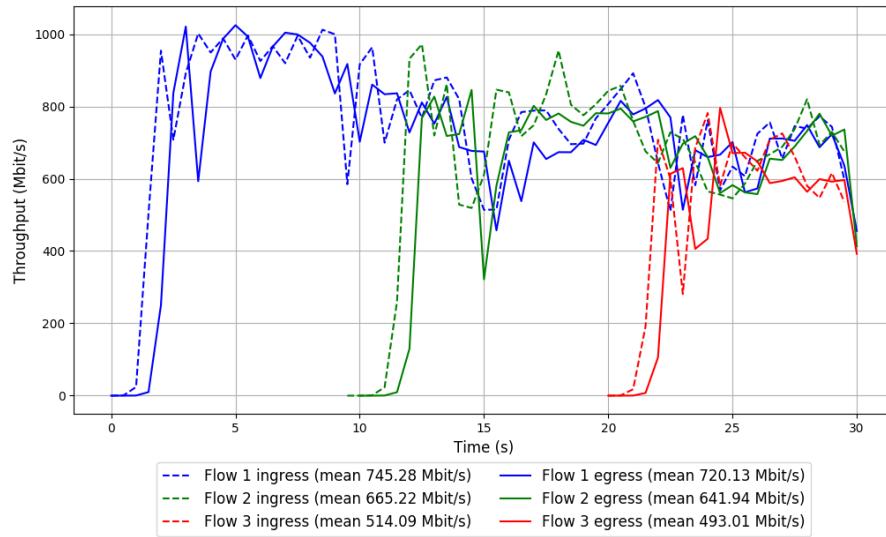


Run 8: Statistics of FillP

```
Start at: 2018-05-25 17:53:16
End at: 2018-05-25 17:53:46
Local clock offset: -0.2 ms
Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2018-05-25 19:51:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1306.03 Mbit/s
95th percentile per-packet one-way delay: 226.716 ms
Loss rate: 4.75%
-- Flow 1:
Average throughput: 720.13 Mbit/s
95th percentile per-packet one-way delay: 227.448 ms
Loss rate: 4.26%
-- Flow 2:
Average throughput: 641.94 Mbit/s
95th percentile per-packet one-way delay: 214.484 ms
Loss rate: 4.82%
-- Flow 3:
Average throughput: 493.01 Mbit/s
95th percentile per-packet one-way delay: 228.905 ms
Loss rate: 6.74%
```

Run 8: Report of FillP — Data Link

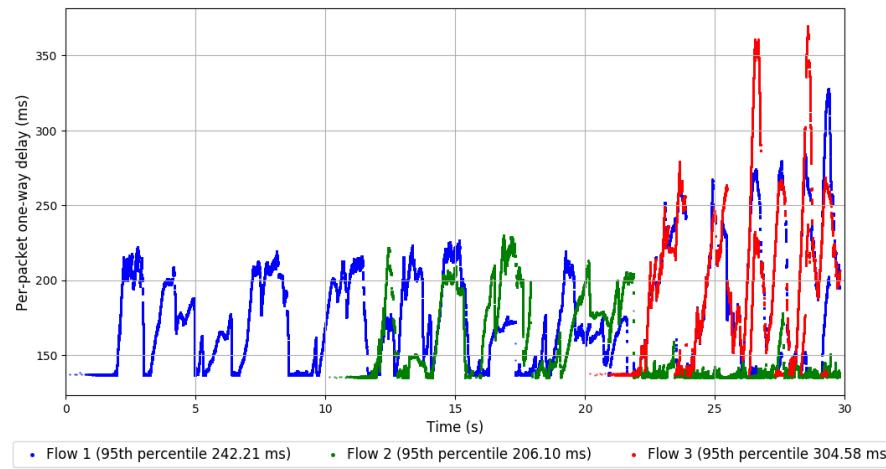
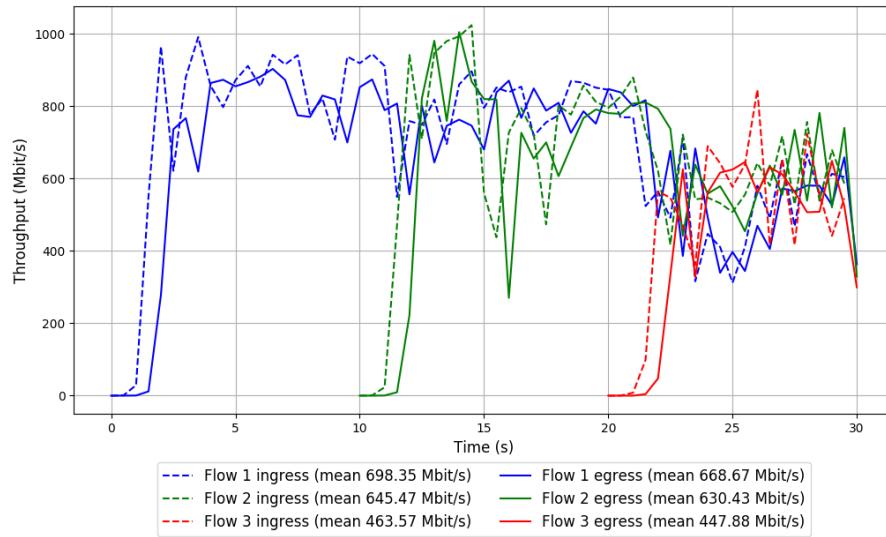


Run 9: Statistics of FillP

```
Start at: 2018-05-25 18:18:40
End at: 2018-05-25 18:19:10
Local clock offset: 0.231 ms
Remote clock offset: -0.565 ms

# Below is generated by plot.py at 2018-05-25 20:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1231.92 Mbit/s
95th percentile per-packet one-way delay: 247.323 ms
Loss rate: 4.76%
-- Flow 1:
Average throughput: 668.67 Mbit/s
95th percentile per-packet one-way delay: 242.209 ms
Loss rate: 5.12%
-- Flow 2:
Average throughput: 630.43 Mbit/s
95th percentile per-packet one-way delay: 206.096 ms
Loss rate: 3.70%
-- Flow 3:
Average throughput: 447.88 Mbit/s
95th percentile per-packet one-way delay: 304.582 ms
Loss rate: 6.05%
```

Run 9: Report of FillP — Data Link

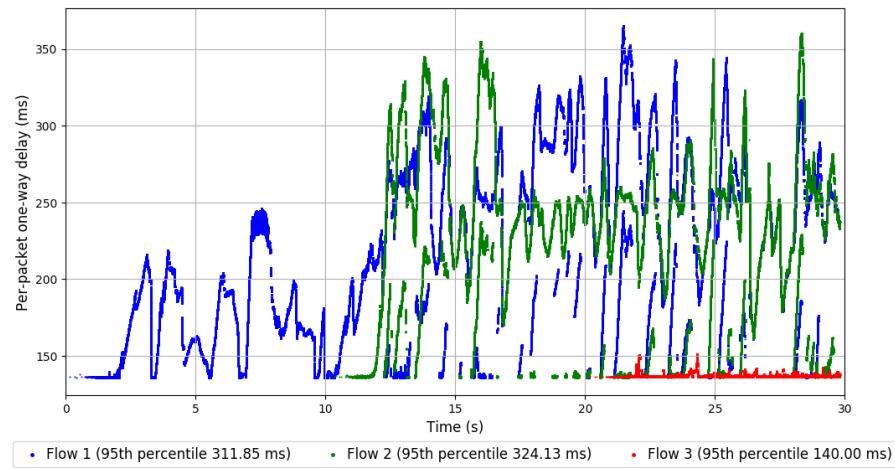
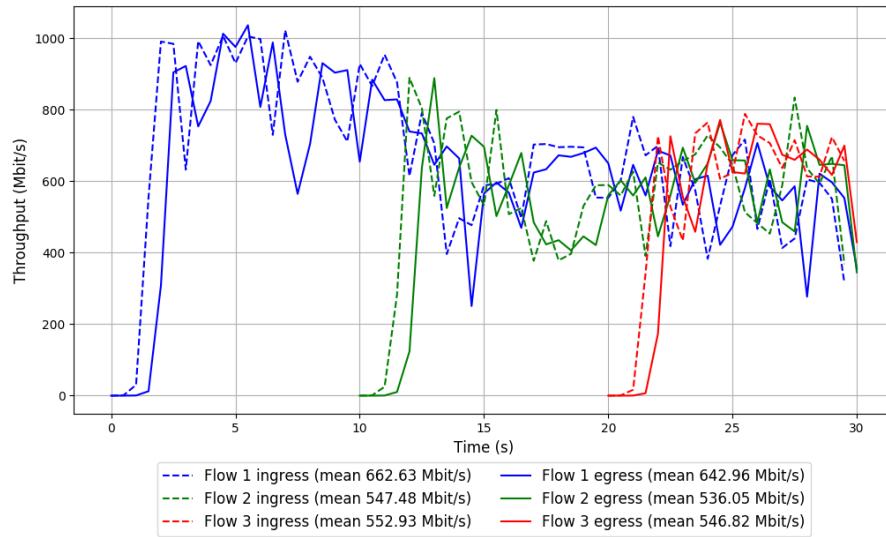


Run 10: Statistics of FillP

```
Start at: 2018-05-25 18:43:54
End at: 2018-05-25 18:44:24
Local clock offset: 0.118 ms
Remote clock offset: -0.187 ms

# Below is generated by plot.py at 2018-05-25 20:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1175.70 Mbit/s
95th percentile per-packet one-way delay: 313.179 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 642.96 Mbit/s
95th percentile per-packet one-way delay: 311.852 ms
Loss rate: 3.85%
-- Flow 2:
Average throughput: 536.05 Mbit/s
95th percentile per-packet one-way delay: 324.128 ms
Loss rate: 3.43%
-- Flow 3:
Average throughput: 546.82 Mbit/s
95th percentile per-packet one-way delay: 139.996 ms
Loss rate: 3.83%
```

Run 10: Report of FillP — Data Link

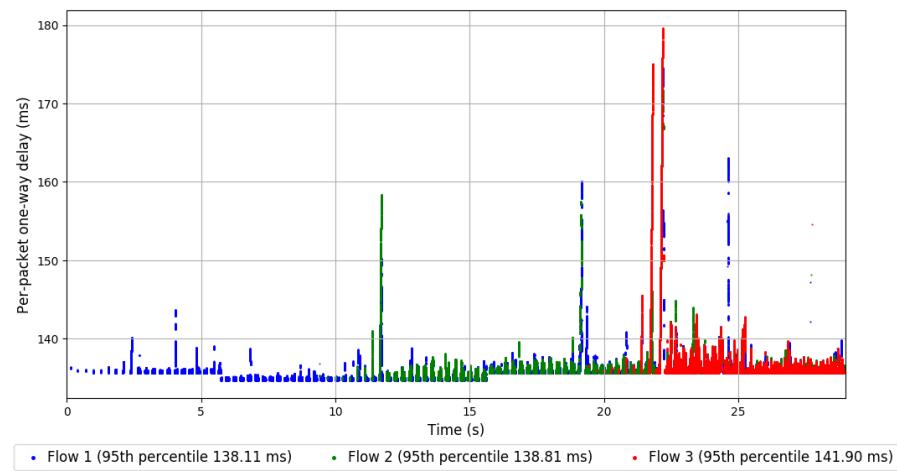
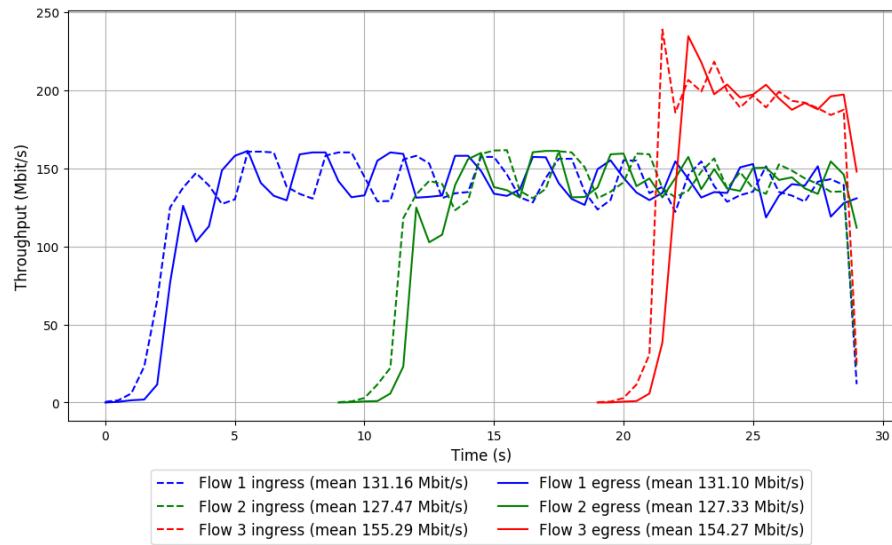


Run 1: Statistics of Indigo

```
Start at: 2018-05-25 14:54:14
End at: 2018-05-25 14:54:44
Local clock offset: -0.033 ms
Remote clock offset: -0.241 ms

# Below is generated by plot.py at 2018-05-25 20:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 268.24 Mbit/s
95th percentile per-packet one-way delay: 139.023 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 131.10 Mbit/s
95th percentile per-packet one-way delay: 138.112 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 127.33 Mbit/s
95th percentile per-packet one-way delay: 138.814 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 154.27 Mbit/s
95th percentile per-packet one-way delay: 141.903 ms
Loss rate: 3.43%
```

Run 1: Report of Indigo — Data Link

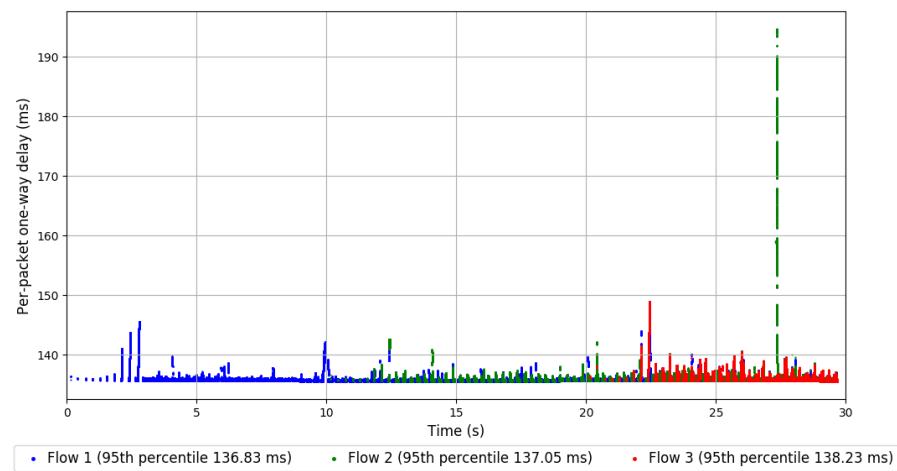
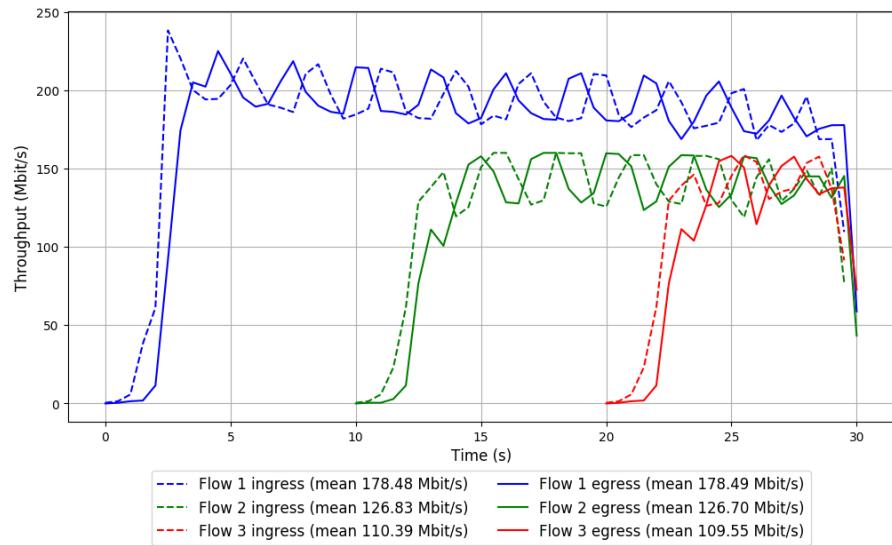


Run 2: Statistics of Indigo

```
Start at: 2018-05-25 15:19:12
End at: 2018-05-25 15:19:42
Local clock offset: -0.022 ms
Remote clock offset: -0.284 ms

# Below is generated by plot.py at 2018-05-25 20:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 297.38 Mbit/s
95th percentile per-packet one-way delay: 137.166 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 178.49 Mbit/s
95th percentile per-packet one-way delay: 136.828 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 126.70 Mbit/s
95th percentile per-packet one-way delay: 137.054 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 109.55 Mbit/s
95th percentile per-packet one-way delay: 138.231 ms
Loss rate: 3.53%
```

Run 2: Report of Indigo — Data Link

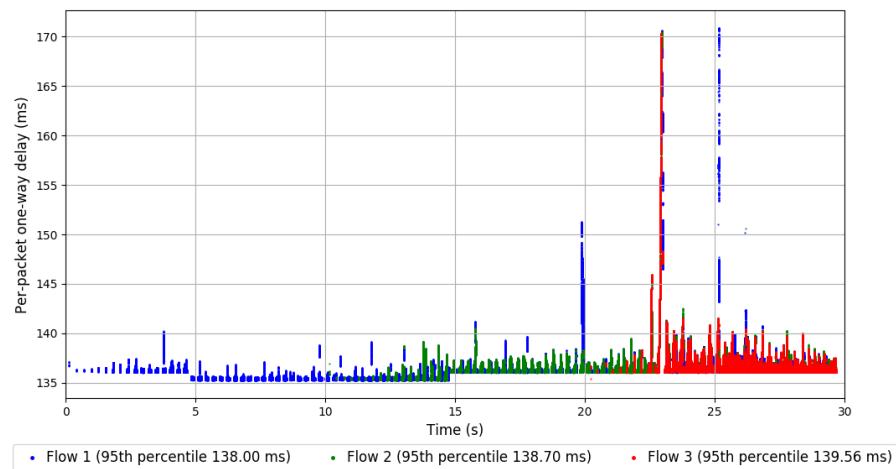
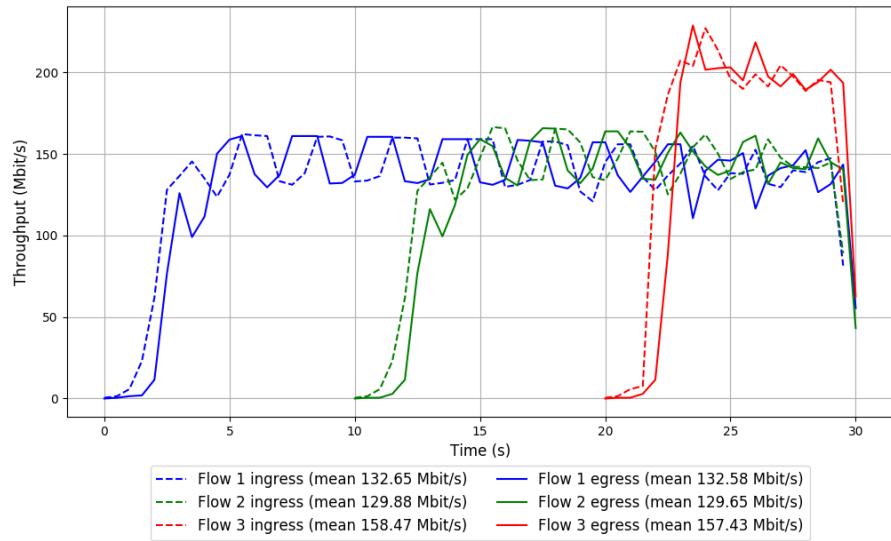


Run 3: Statistics of Indigo

```
Start at: 2018-05-25 15:44:26
End at: 2018-05-25 15:44:56
Local clock offset: 0.078 ms
Remote clock offset: -0.607 ms

# Below is generated by plot.py at 2018-05-25 20:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 268.60 Mbit/s
95th percentile per-packet one-way delay: 138.641 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 132.58 Mbit/s
95th percentile per-packet one-way delay: 138.002 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 129.65 Mbit/s
95th percentile per-packet one-way delay: 138.698 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 157.43 Mbit/s
95th percentile per-packet one-way delay: 139.559 ms
Loss rate: 3.43%
```

Run 3: Report of Indigo — Data Link

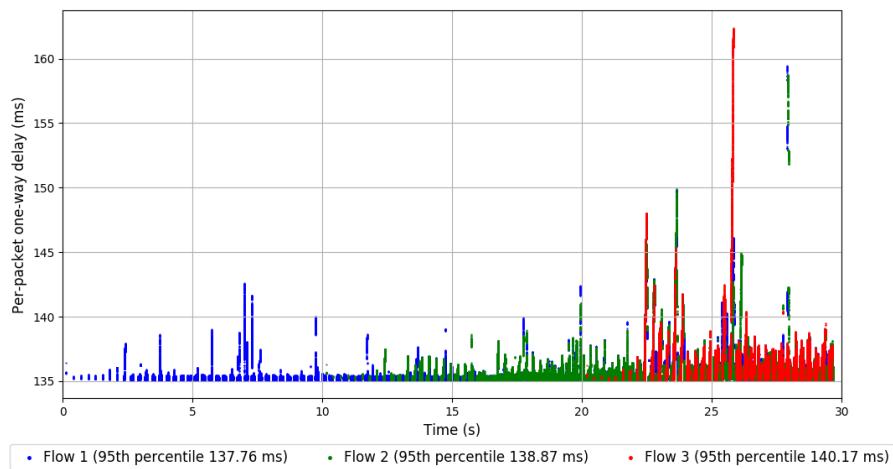
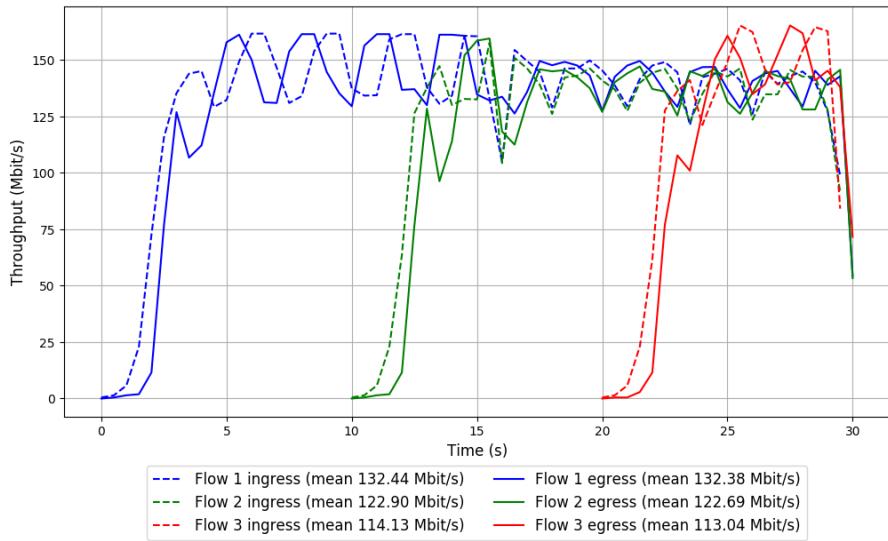


Run 4: Statistics of Indigo

```
Start at: 2018-05-25 16:09:40
End at: 2018-05-25 16:10:10
Local clock offset: -0.122 ms
Remote clock offset: -0.602 ms

# Below is generated by plot.py at 2018-05-25 20:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 249.73 Mbit/s
95th percentile per-packet one-way delay: 138.567 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 132.38 Mbit/s
95th percentile per-packet one-way delay: 137.758 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 122.69 Mbit/s
95th percentile per-packet one-way delay: 138.868 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 113.04 Mbit/s
95th percentile per-packet one-way delay: 140.174 ms
Loss rate: 3.71%
```

Run 4: Report of Indigo — Data Link

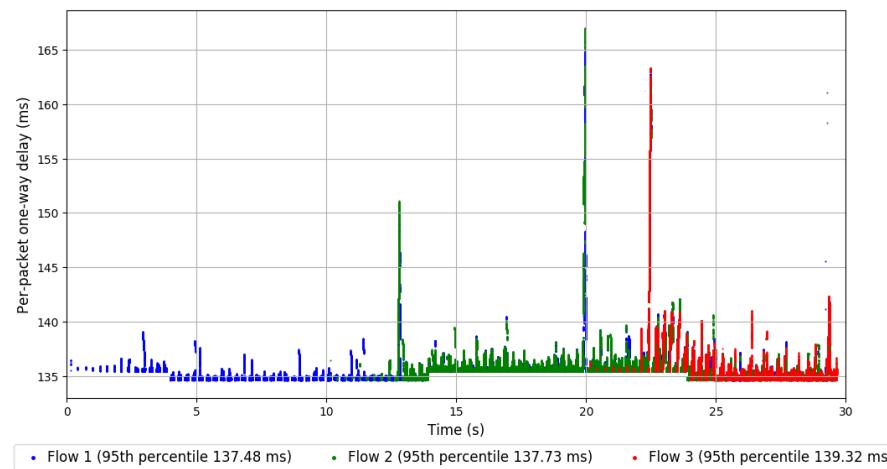
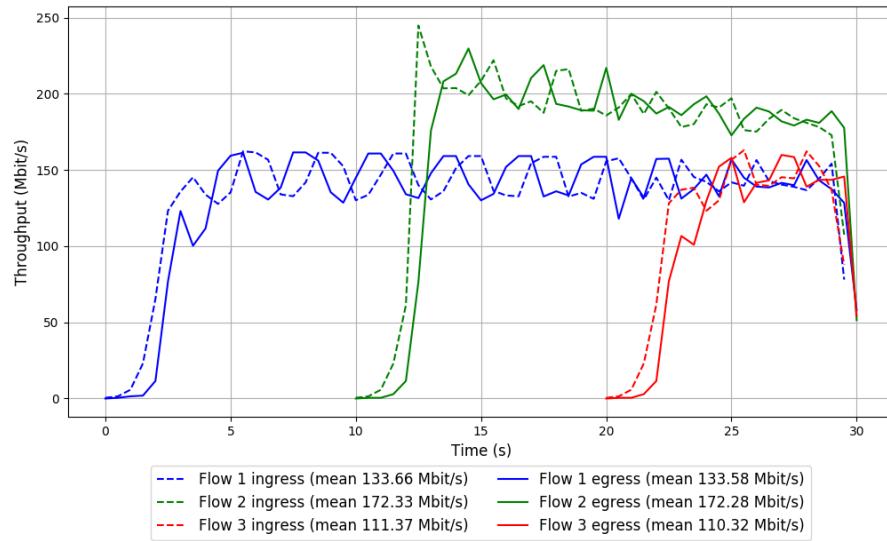


Run 5: Statistics of Indigo

```
Start at: 2018-05-25 16:34:37
End at: 2018-05-25 16:35:07
Local clock offset: 0.125 ms
Remote clock offset: 0.116 ms

# Below is generated by plot.py at 2018-05-25 20:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 282.87 Mbit/s
95th percentile per-packet one-way delay: 138.027 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 133.58 Mbit/s
95th percentile per-packet one-way delay: 137.484 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 172.28 Mbit/s
95th percentile per-packet one-way delay: 137.732 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 110.32 Mbit/s
95th percentile per-packet one-way delay: 139.320 ms
Loss rate: 3.69%
```

Run 5: Report of Indigo — Data Link

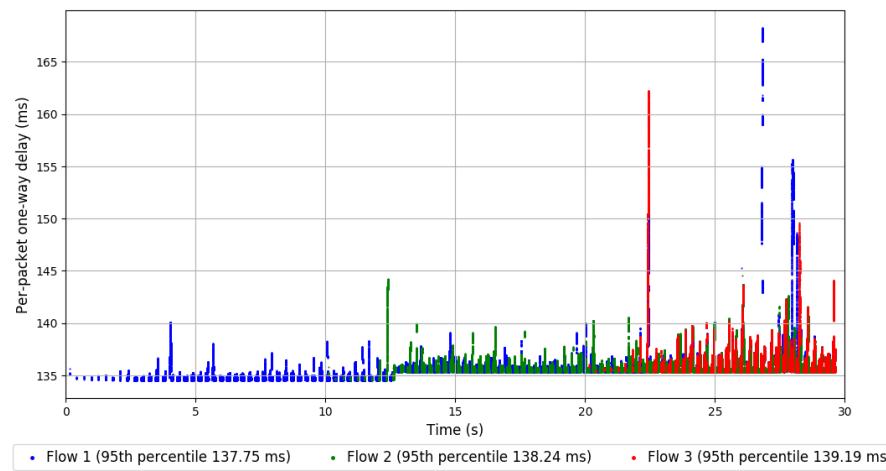
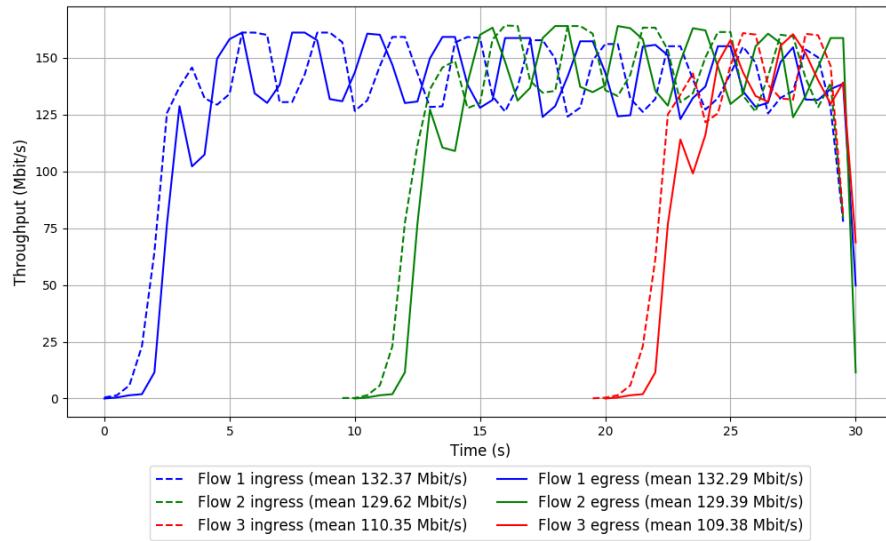


Run 6: Statistics of Indigo

```
Start at: 2018-05-25 16:59:48
End at: 2018-05-25 17:00:18
Local clock offset: -0.205 ms
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2018-05-25 20:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 253.09 Mbit/s
95th percentile per-packet one-way delay: 138.167 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 132.29 Mbit/s
95th percentile per-packet one-way delay: 137.750 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 129.39 Mbit/s
95th percentile per-packet one-way delay: 138.241 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 109.38 Mbit/s
95th percentile per-packet one-way delay: 139.191 ms
Loss rate: 3.64%
```

Run 6: Report of Indigo — Data Link

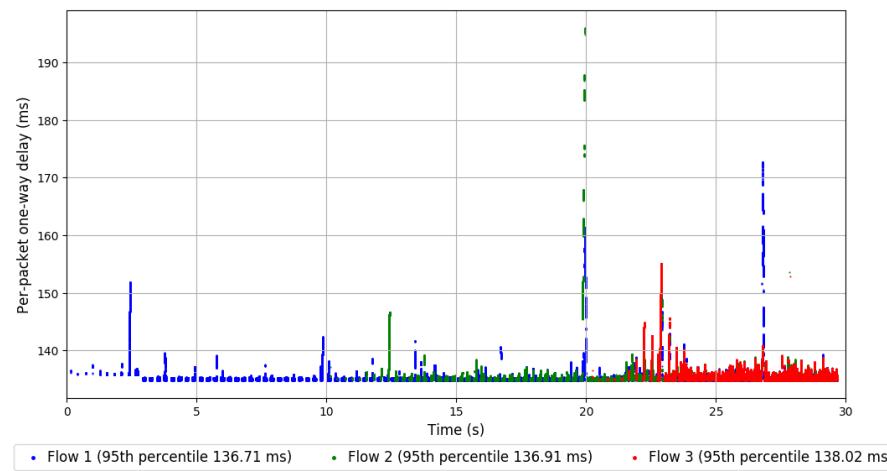
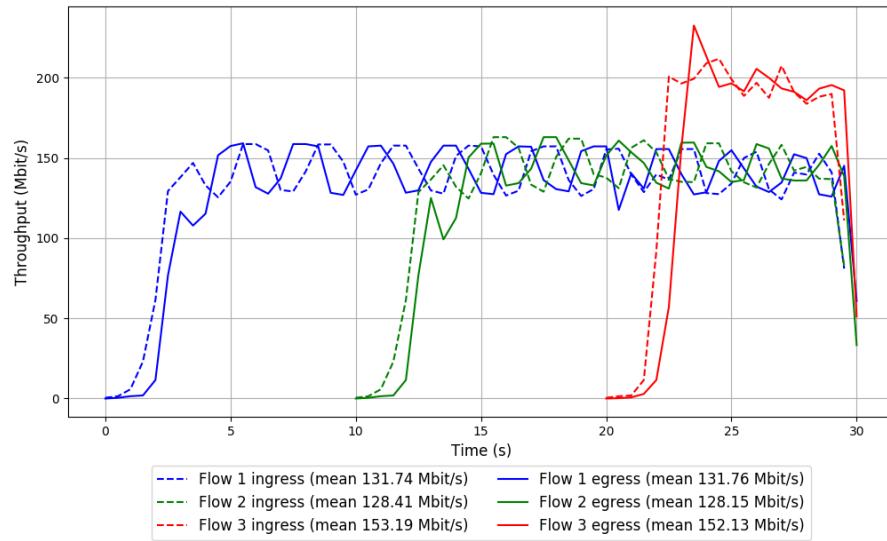


Run 7: Statistics of Indigo

```
Start at: 2018-05-25 17:24:58
End at: 2018-05-25 17:25:28
Local clock offset: 0.138 ms
Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2018-05-25 20:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 264.99 Mbit/s
95th percentile per-packet one-way delay: 137.104 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 131.76 Mbit/s
95th percentile per-packet one-way delay: 136.712 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 128.15 Mbit/s
95th percentile per-packet one-way delay: 136.905 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 152.13 Mbit/s
95th percentile per-packet one-way delay: 138.022 ms
Loss rate: 3.49%
```

Run 7: Report of Indigo — Data Link

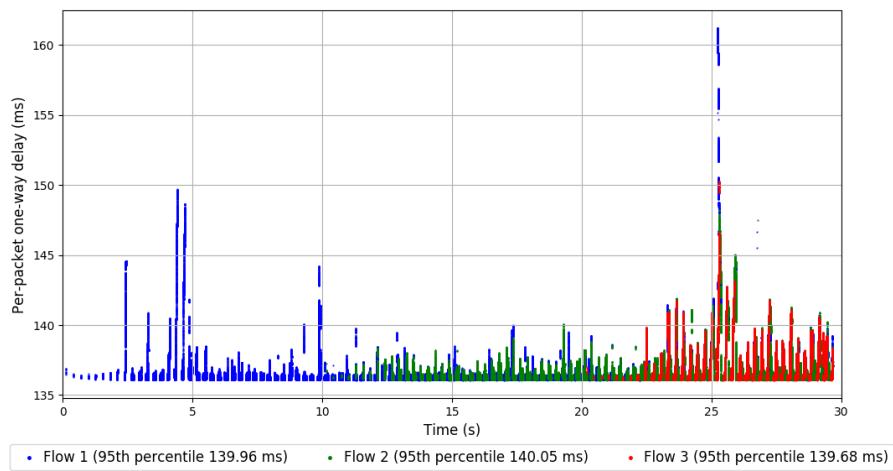
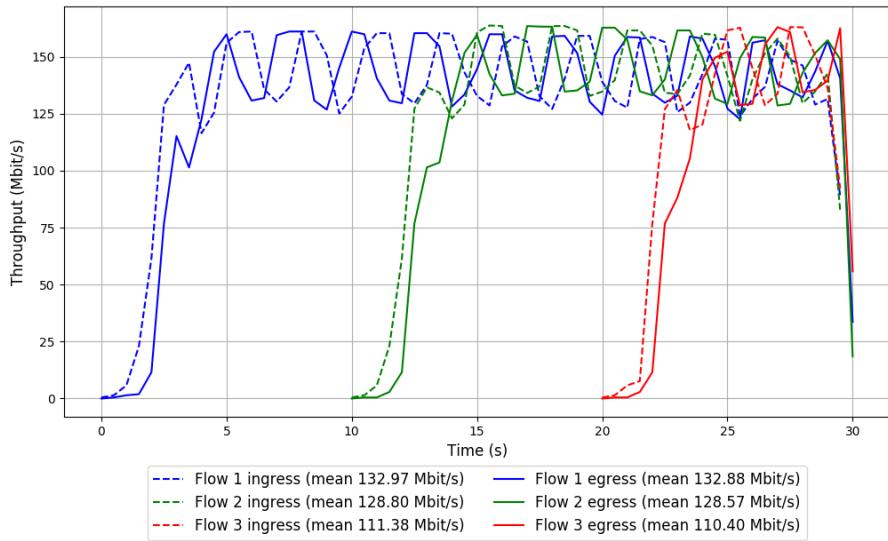


Run 8: Statistics of Indigo

```
Start at: 2018-05-25 17:50:20
End at: 2018-05-25 17:50:50
Local clock offset: 0.072 ms
Remote clock offset: -0.574 ms

# Below is generated by plot.py at 2018-05-25 20:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 253.24 Mbit/s
95th percentile per-packet one-way delay: 139.924 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 132.88 Mbit/s
95th percentile per-packet one-way delay: 139.955 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 128.57 Mbit/s
95th percentile per-packet one-way delay: 140.046 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 110.40 Mbit/s
95th percentile per-packet one-way delay: 139.679 ms
Loss rate: 3.66%
```

Run 8: Report of Indigo — Data Link

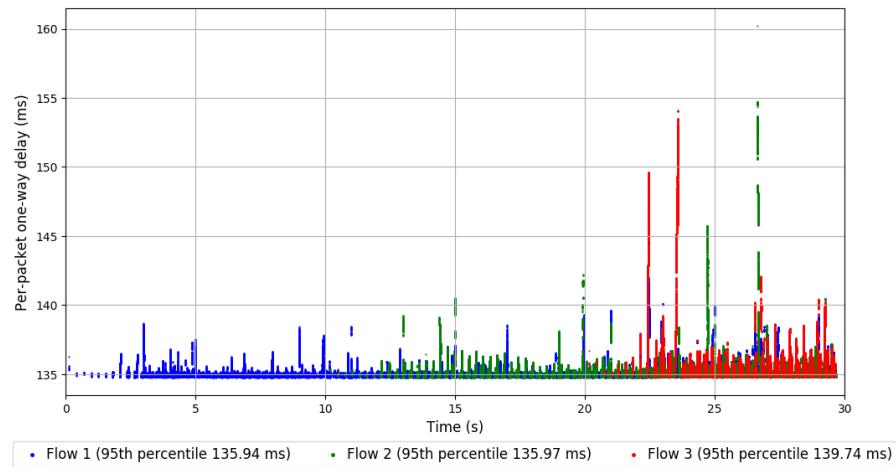
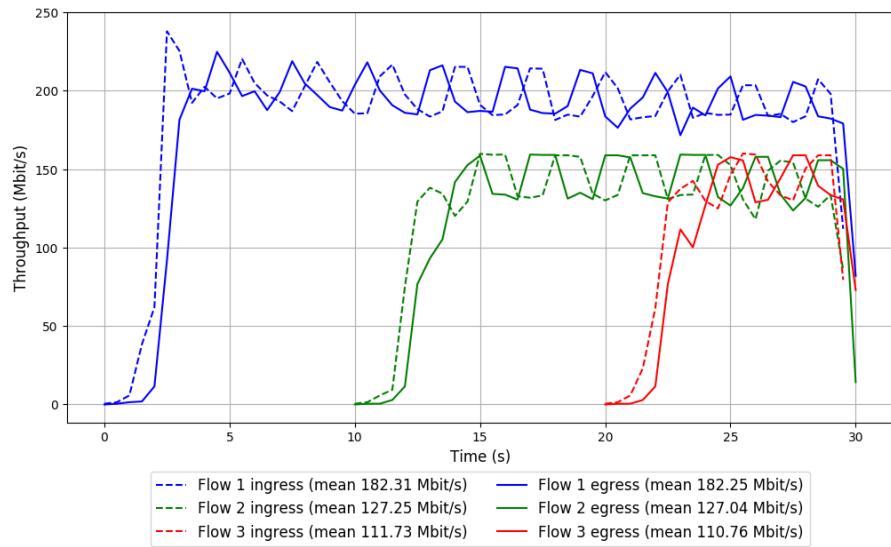


Run 9: Statistics of Indigo

```
Start at: 2018-05-25 18:15:41
End at: 2018-05-25 18:16:11
Local clock offset: 0.075 ms
Remote clock offset: -0.141 ms

# Below is generated by plot.py at 2018-05-25 20:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 301.44 Mbit/s
95th percentile per-packet one-way delay: 136.216 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 182.25 Mbit/s
95th percentile per-packet one-way delay: 135.938 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 127.04 Mbit/s
95th percentile per-packet one-way delay: 135.968 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 110.76 Mbit/s
95th percentile per-packet one-way delay: 139.744 ms
Loss rate: 3.65%
```

Run 9: Report of Indigo — Data Link

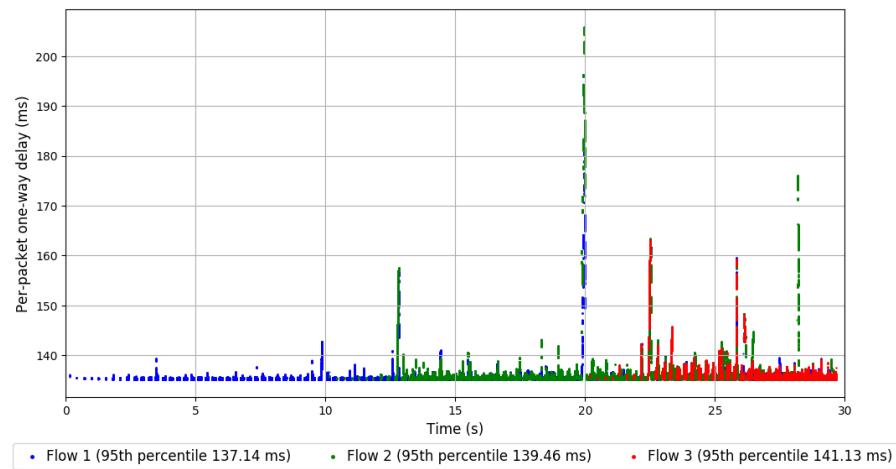
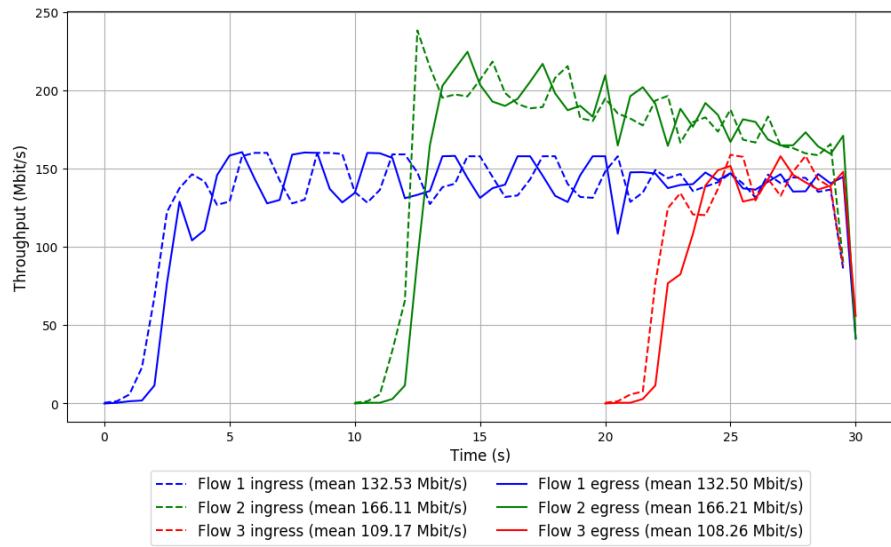


Run 10: Statistics of Indigo

```
Start at: 2018-05-25 18:40:56
End at: 2018-05-25 18:41:26
Local clock offset: 0.079 ms
Remote clock offset: -0.592 ms

# Below is generated by plot.py at 2018-05-25 20:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 276.99 Mbit/s
95th percentile per-packet one-way delay: 138.381 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 132.50 Mbit/s
95th percentile per-packet one-way delay: 137.140 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 166.21 Mbit/s
95th percentile per-packet one-way delay: 139.456 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 108.26 Mbit/s
95th percentile per-packet one-way delay: 141.128 ms
Loss rate: 3.58%
```

Run 10: Report of Indigo — Data Link

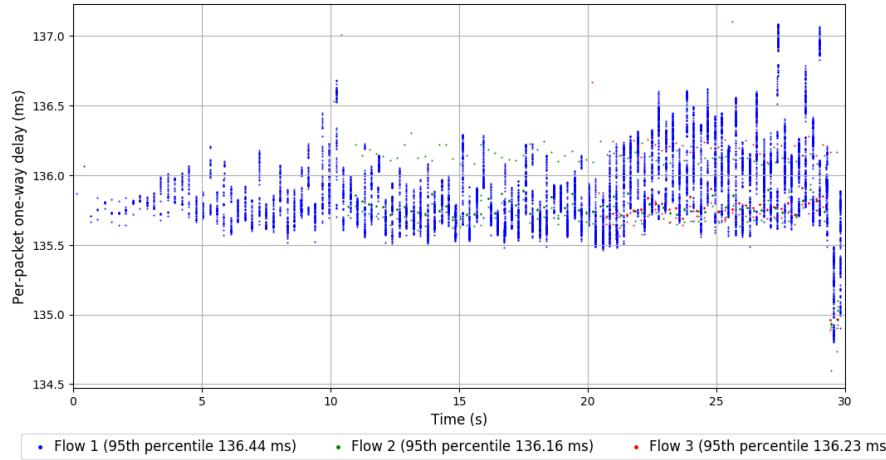
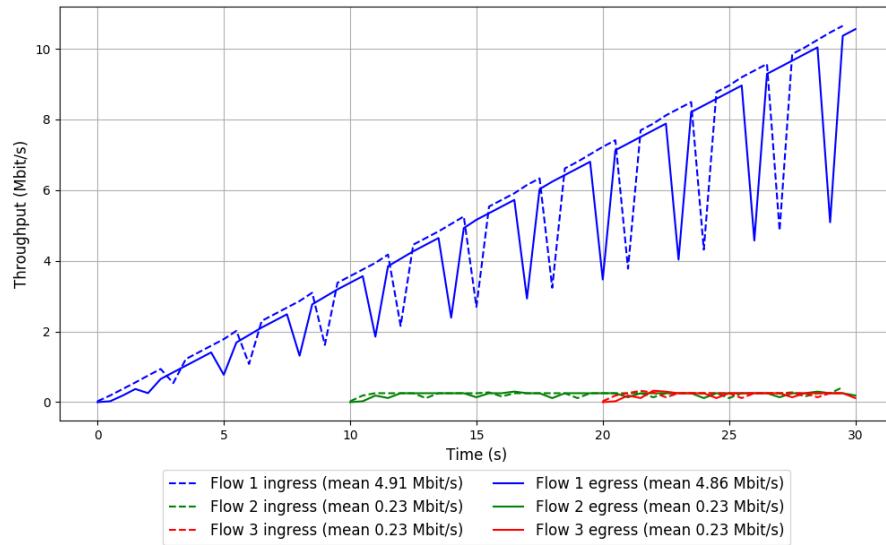


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-05-25 14:50:02
End at: 2018-05-25 14:50:32
Local clock offset: -0.081 ms
Remote clock offset: -0.231 ms

# Below is generated by plot.py at 2018-05-25 20:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 136.434 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 136.442 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 136.164 ms
Loss rate: 2.52%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 136.234 ms
Loss rate: 3.14%
```

Run 1: Report of LEDBAT — Data Link

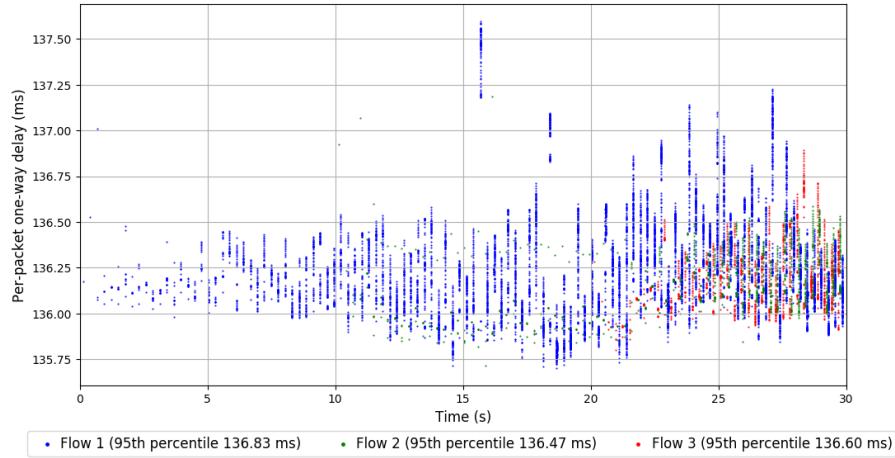
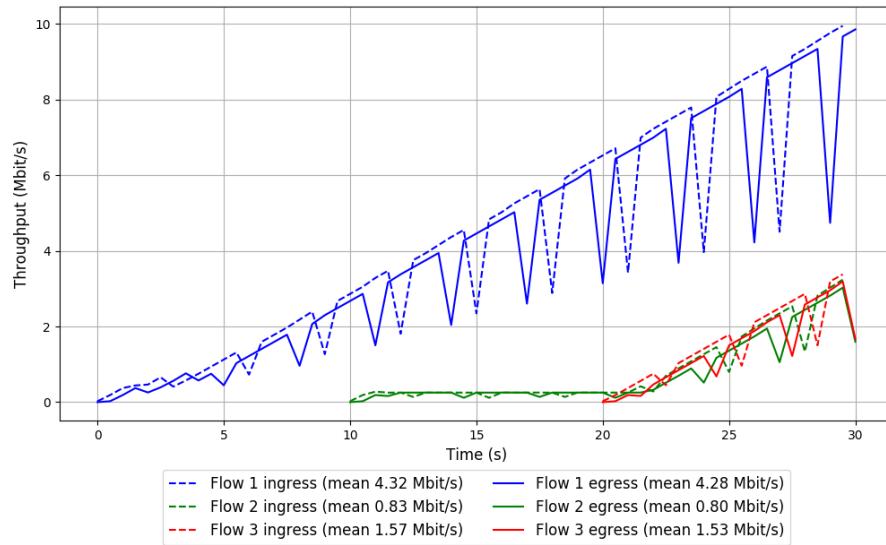


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-25 15:14:59
End at: 2018-05-25 15:15:29
Local clock offset: 0.124 ms
Remote clock offset: -0.237 ms

# Below is generated by plot.py at 2018-05-25 20:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 136.752 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 136.826 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 136.474 ms
Loss rate: 4.95%
-- Flow 3:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 136.597 ms
Loss rate: 5.55%
```

Run 2: Report of LEDBAT — Data Link

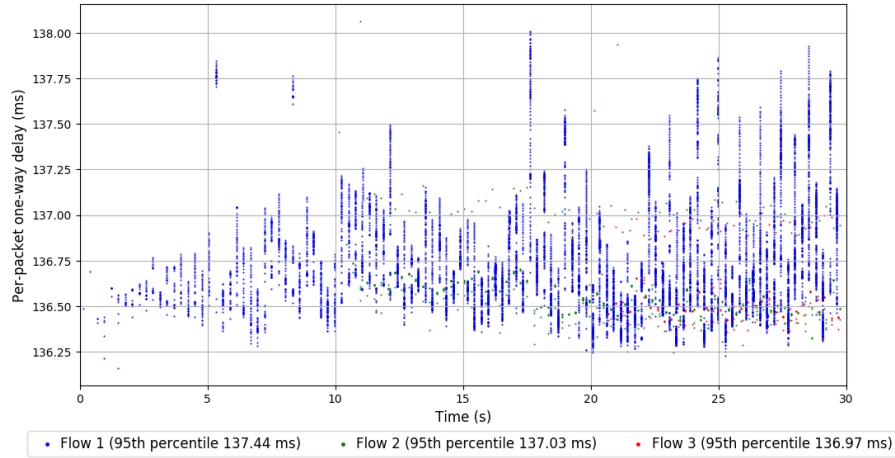
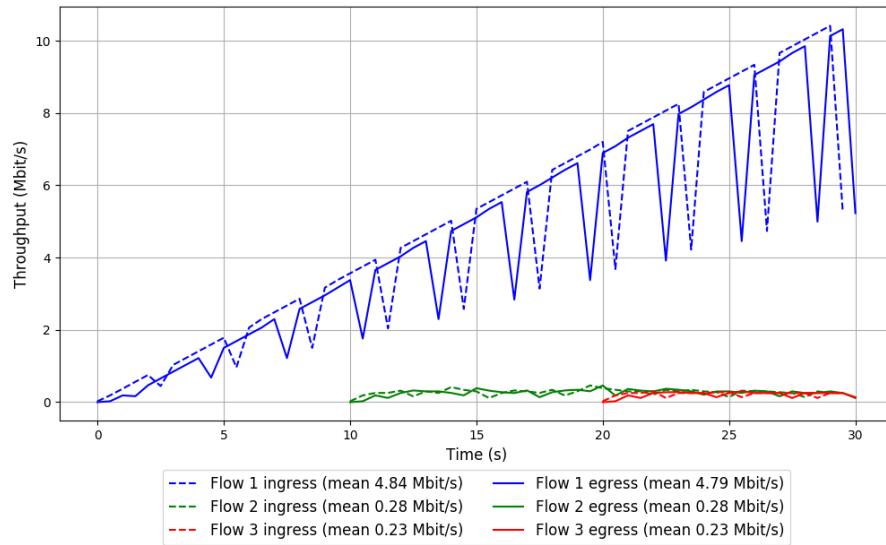


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-25 15:40:13
End at: 2018-05-25 15:40:43
Local clock offset: 0.397 ms
Remote clock offset: -0.592 ms

# Below is generated by plot.py at 2018-05-25 20:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.03 Mbit/s
95th percentile per-packet one-way delay: 137.426 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.438 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 137.034 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 136.973 ms
Loss rate: 2.56%
```

Run 3: Report of LEDBAT — Data Link

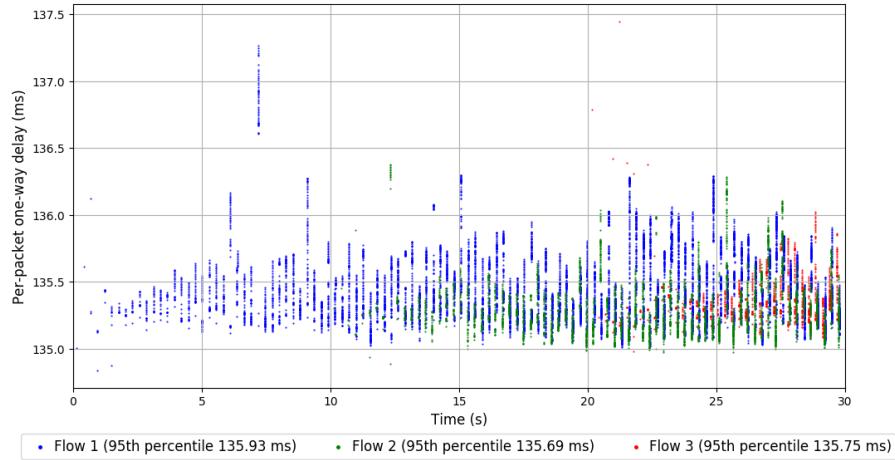
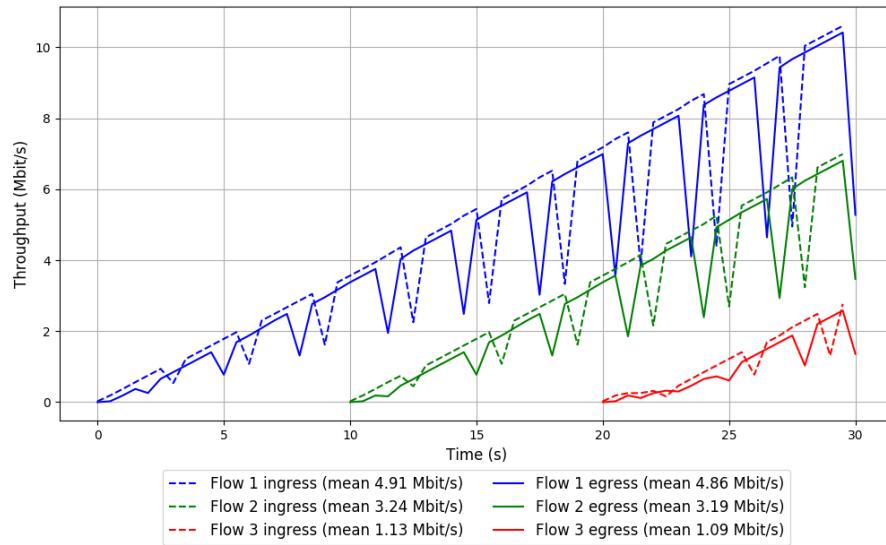


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-25 16:05:28
End at: 2018-05-25 16:05:58
Local clock offset: 0.143 ms
Remote clock offset: -0.244 ms

# Below is generated by plot.py at 2018-05-25 20:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 135.857 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 135.925 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 135.687 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 135.749 ms
Loss rate: 6.36%
```

Run 4: Report of LEDBAT — Data Link

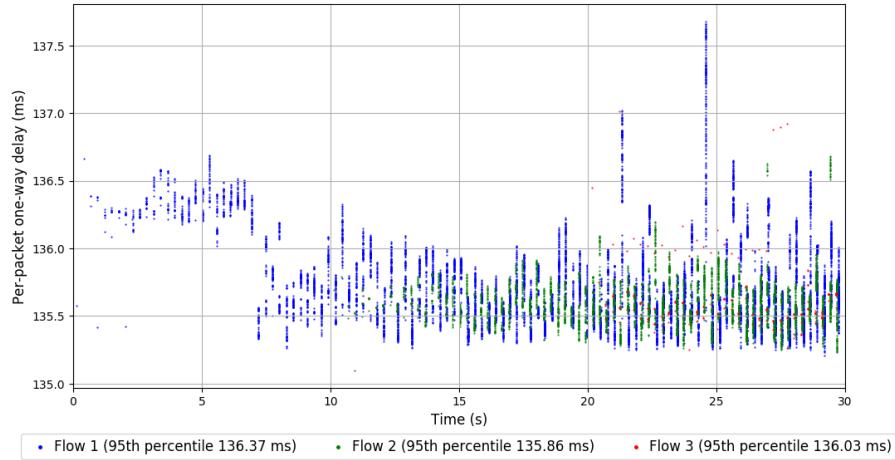
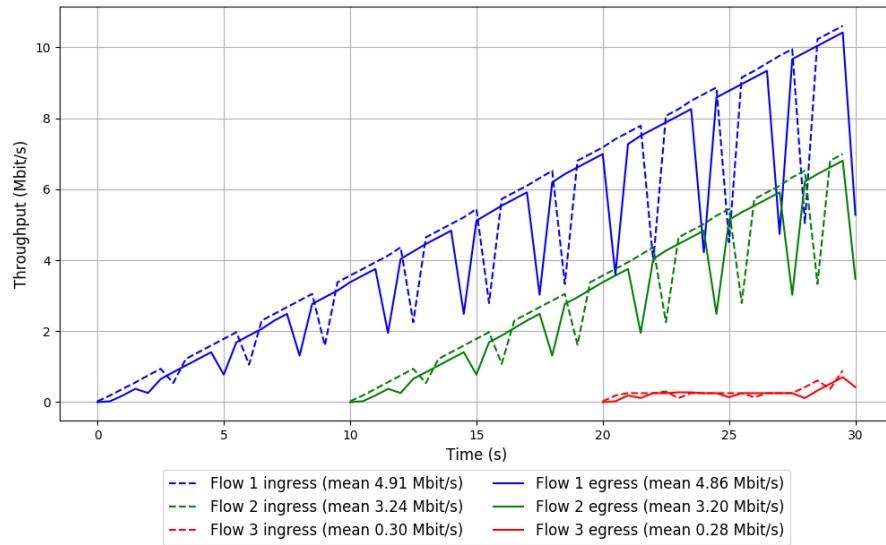


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-25 16:30:24
End at: 2018-05-25 16:30:54
Local clock offset: -0.046 ms
Remote clock offset: -0.607 ms

# Below is generated by plot.py at 2018-05-25 20:09:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 136.308 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 136.366 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 135.858 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 136.026 ms
Loss rate: 8.03%
```

Run 5: Report of LEDBAT — Data Link

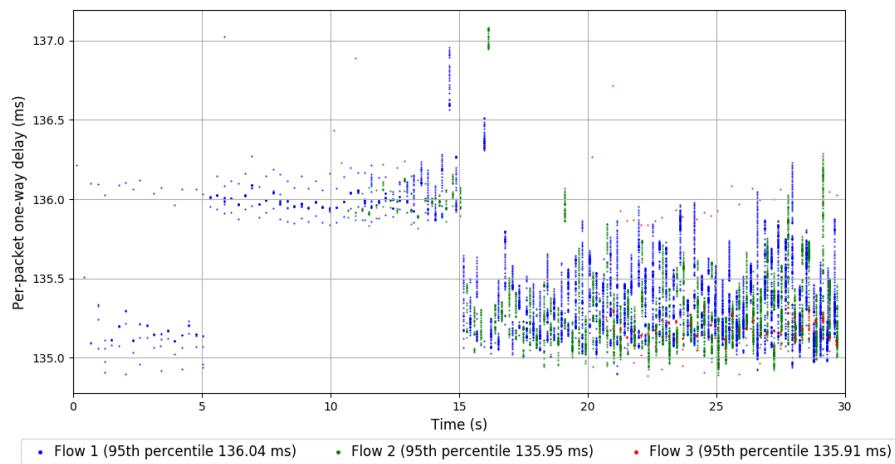
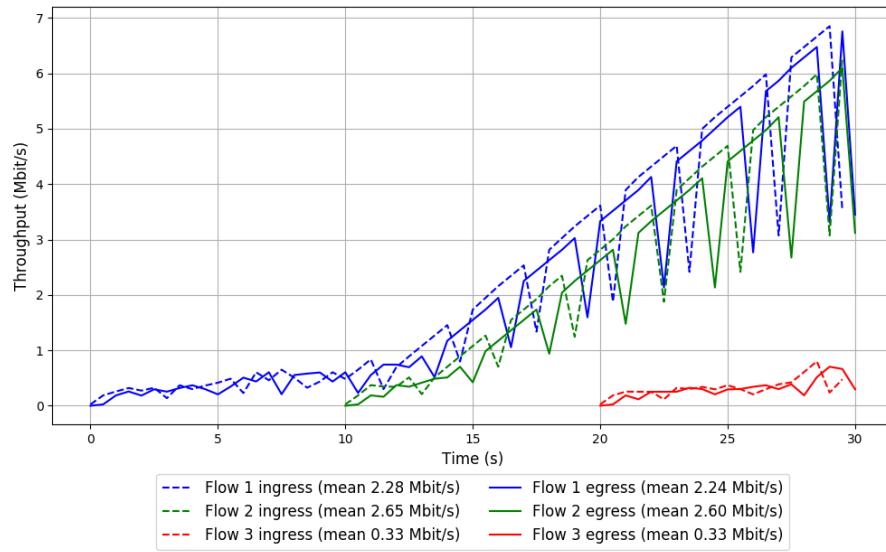


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-25 16:55:36
End at: 2018-05-25 16:56:06
Local clock offset: 0.155 ms
Remote clock offset: -0.145 ms

# Below is generated by plot.py at 2018-05-25 20:09:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 136.001 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 136.039 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 135.948 ms
Loss rate: 3.02%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 135.914 ms
Loss rate: 2.78%
```

Run 6: Report of LEDBAT — Data Link

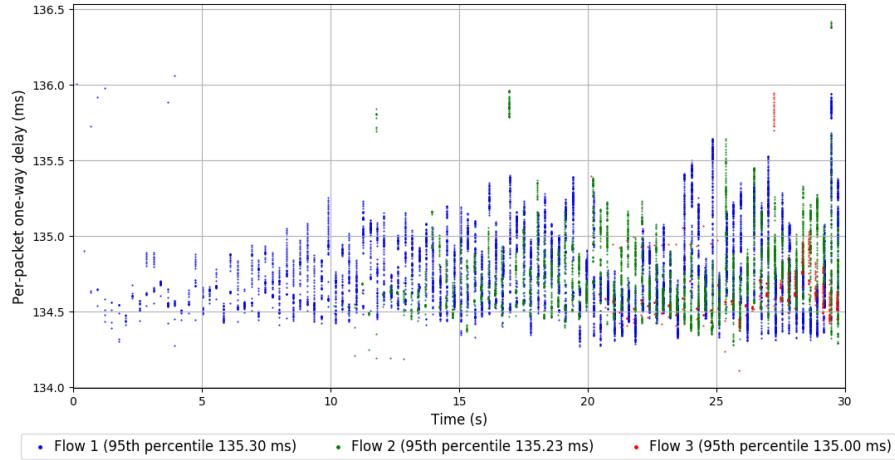
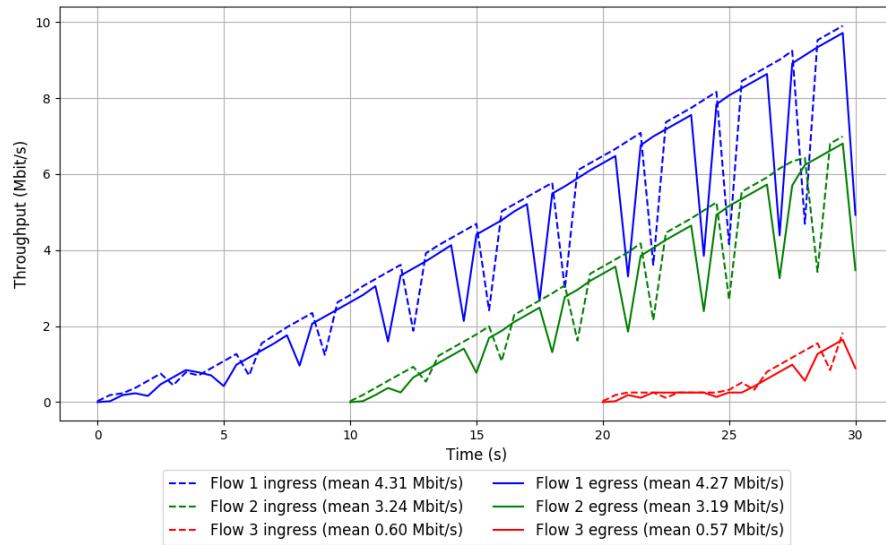


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-25 17:20:46
End at: 2018-05-25 17:21:16
Local clock offset: -0.09 ms
Remote clock offset: 0.196 ms

# Below is generated by plot.py at 2018-05-25 20:09:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 135.286 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 135.302 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 135.234 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 134.998 ms
Loss rate: 7.95%
```

Run 7: Report of LEDBAT — Data Link

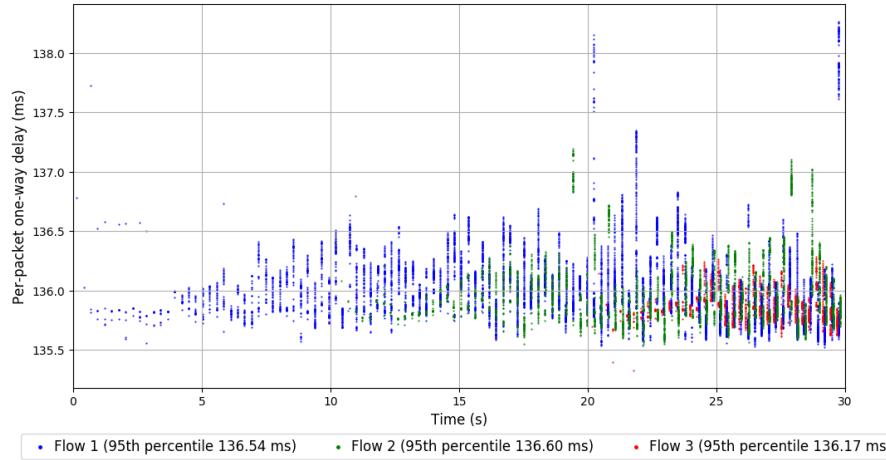
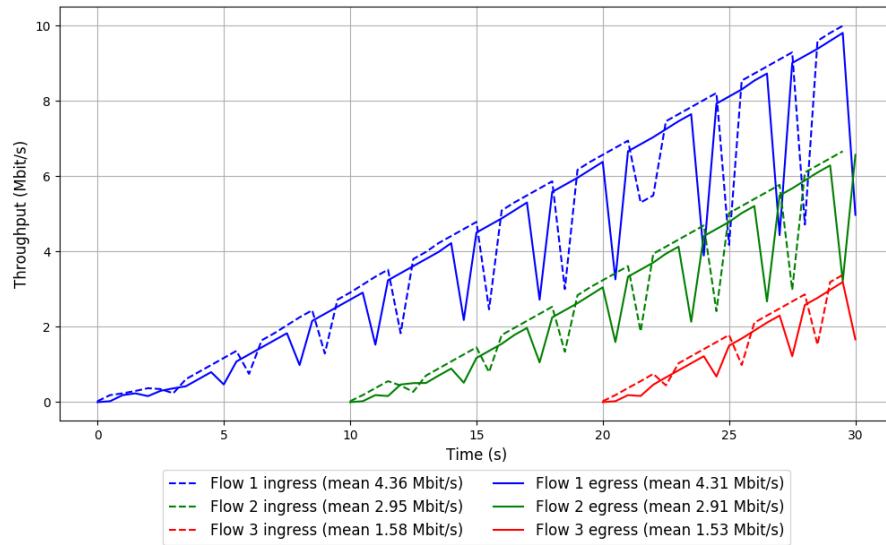


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-25 17:46:10
End at: 2018-05-25 17:46:40
Local clock offset: -0.088 ms
Remote clock offset: -0.19 ms

# Below is generated by plot.py at 2018-05-25 20:09:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.72 Mbit/s
95th percentile per-packet one-way delay: 136.527 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 136.538 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 136.598 ms
Loss rate: 2.85%
-- Flow 3:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 136.166 ms
Loss rate: 5.54%
```

Run 8: Report of LEDBAT — Data Link

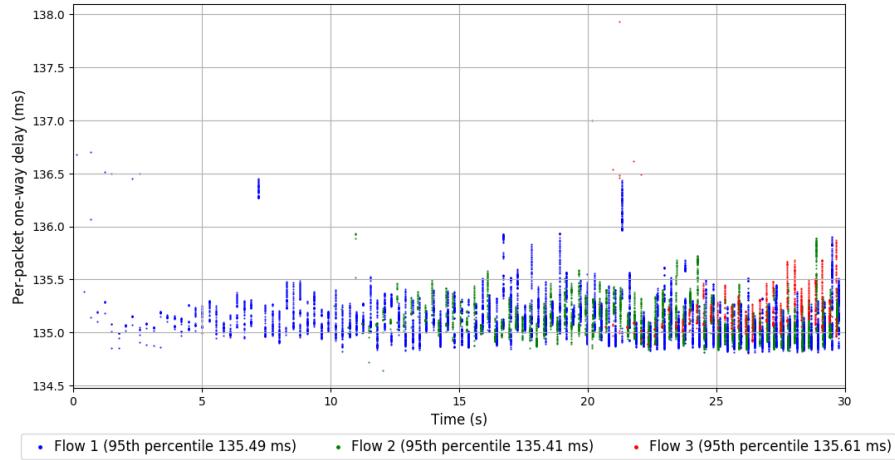
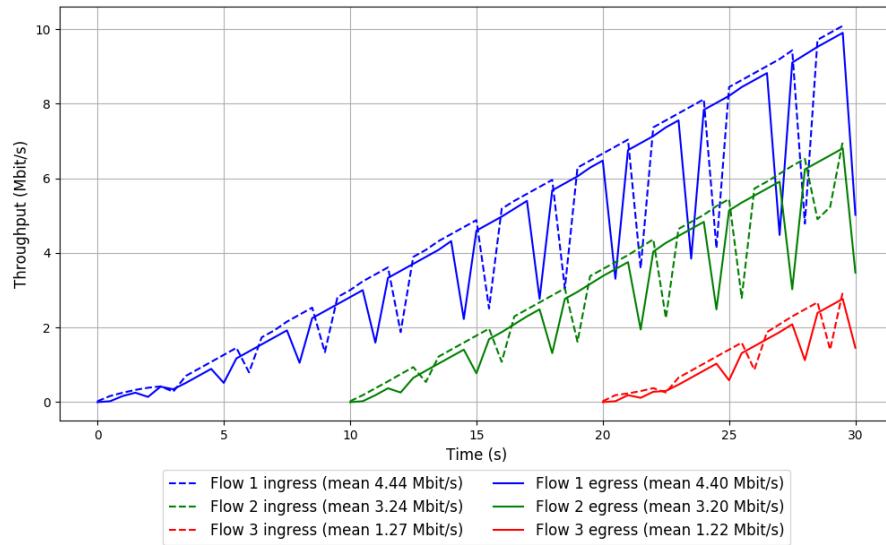


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-25 18:11:29
End at: 2018-05-25 18:11:59
Local clock offset: 0.011 ms
Remote clock offset: -0.212 ms

# Below is generated by plot.py at 2018-05-25 20:09:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 135.475 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 135.489 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 135.415 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 135.606 ms
Loss rate: 6.06%
```

Run 9: Report of LEDBAT — Data Link

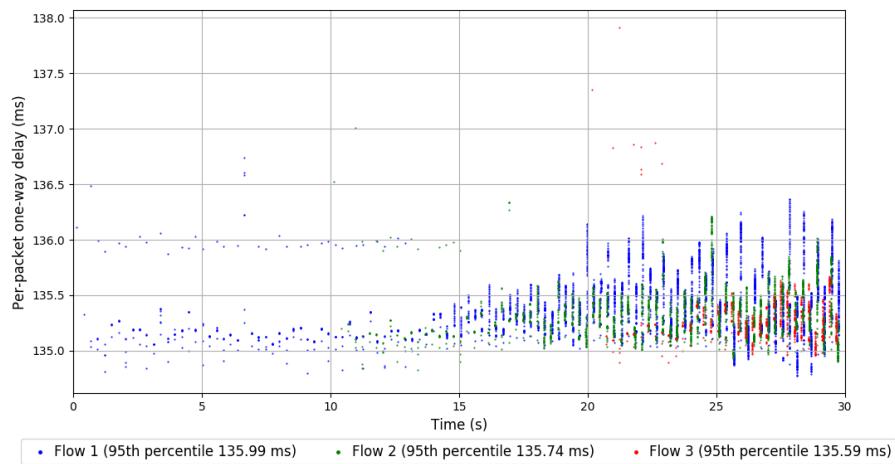
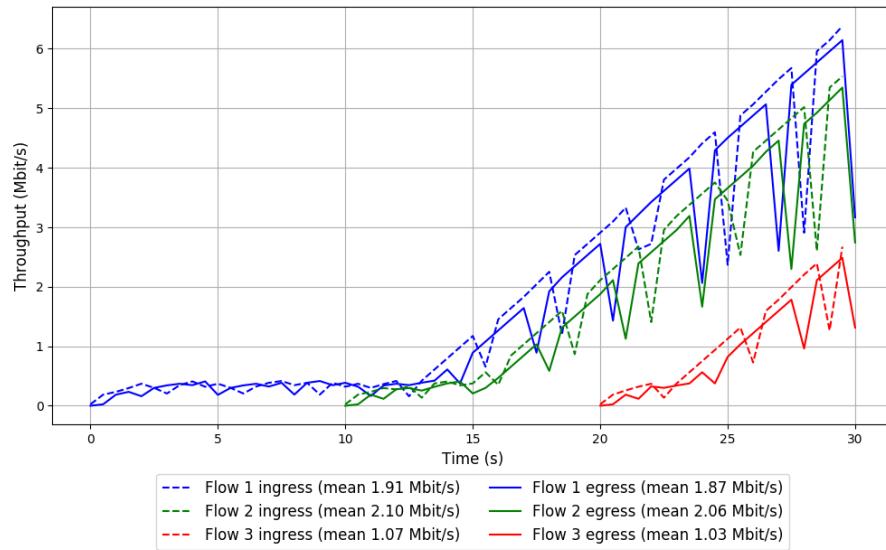


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-25 18:36:45
End at: 2018-05-25 18:37:15
Local clock offset: 0.083 ms
Remote clock offset: -0.199 ms

# Below is generated by plot.py at 2018-05-25 20:09:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 135.917 ms
Loss rate: 3.37%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 135.990 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 135.741 ms
Loss rate: 3.35%
-- Flow 3:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 135.589 ms
Loss rate: 6.48%
```

Run 10: Report of LEDBAT — Data Link

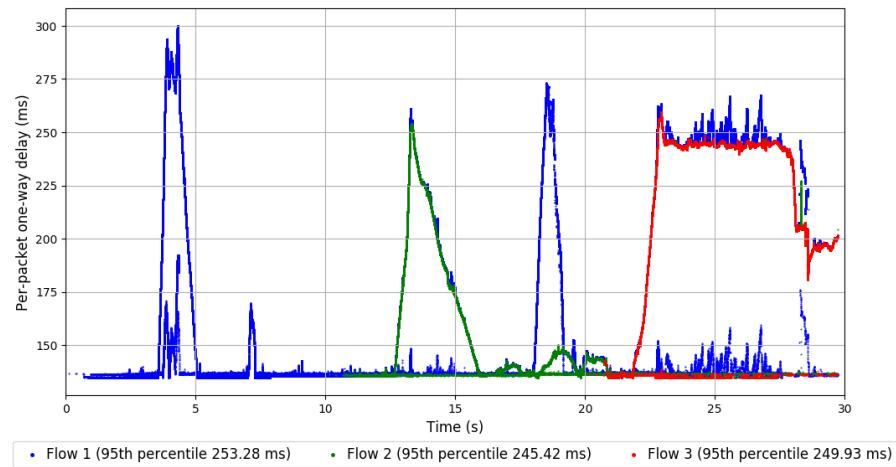
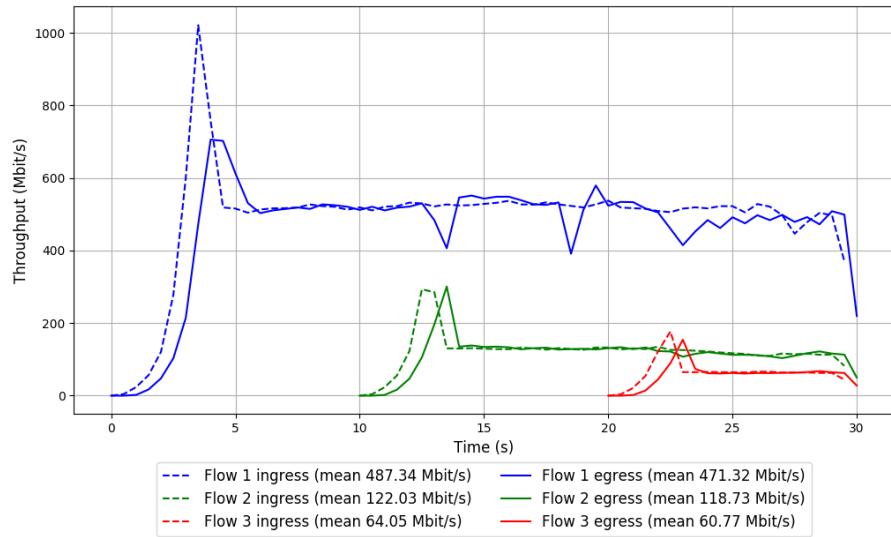


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-05-25 14:52:33
End at: 2018-05-25 14:53:03
Local clock offset: -0.052 ms
Remote clock offset: -0.28 ms

# Below is generated by plot.py at 2018-05-25 20:09:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 569.49 Mbit/s
95th percentile per-packet one-way delay: 251.830 ms
Loss rate: 4.28%
-- Flow 1:
Average throughput: 471.32 Mbit/s
95th percentile per-packet one-way delay: 253.276 ms
Loss rate: 4.17%
-- Flow 2:
Average throughput: 118.73 Mbit/s
95th percentile per-packet one-way delay: 245.419 ms
Loss rate: 4.03%
-- Flow 3:
Average throughput: 60.77 Mbit/s
95th percentile per-packet one-way delay: 249.930 ms
Loss rate: 7.74%
```

Run 1: Report of PCC-Allegro — Data Link

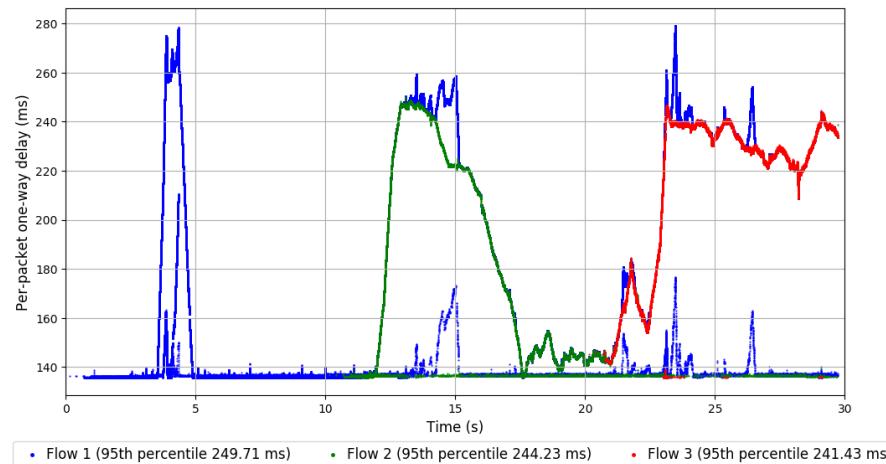
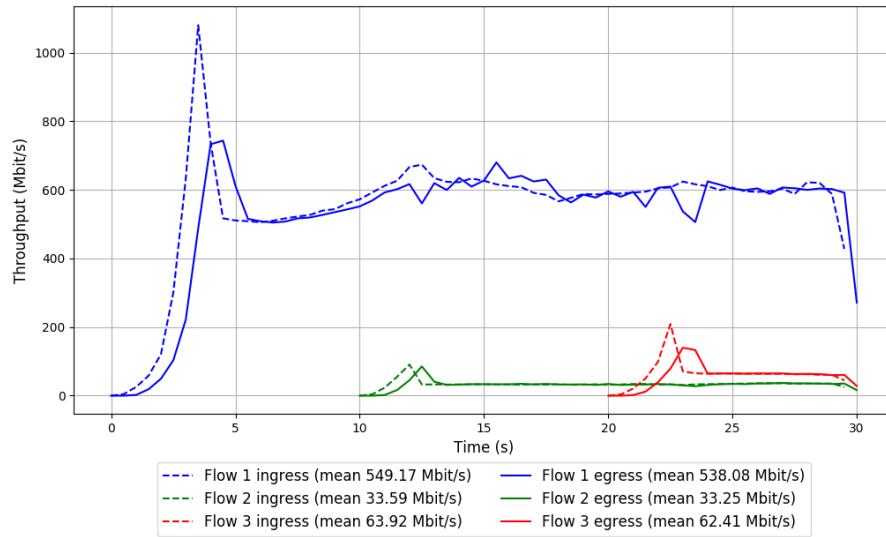


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-25 15:17:31
End at: 2018-05-25 15:18:01
Local clock offset: 0.02 ms
Remote clock offset: -0.273 ms

# Below is generated by plot.py at 2018-05-25 20:09:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 580.18 Mbit/s
95th percentile per-packet one-way delay: 249.258 ms
Loss rate: 2.97%
-- Flow 1:
Average throughput: 538.08 Mbit/s
95th percentile per-packet one-way delay: 249.706 ms
Loss rate: 2.91%
-- Flow 2:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 244.229 ms
Loss rate: 2.36%
-- Flow 3:
Average throughput: 62.41 Mbit/s
95th percentile per-packet one-way delay: 241.430 ms
Loss rate: 5.17%
```

Run 2: Report of PCC-Allegro — Data Link

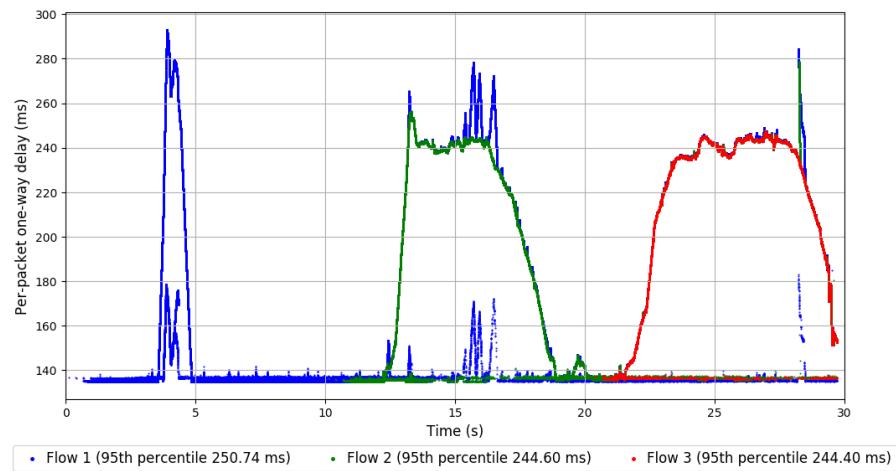
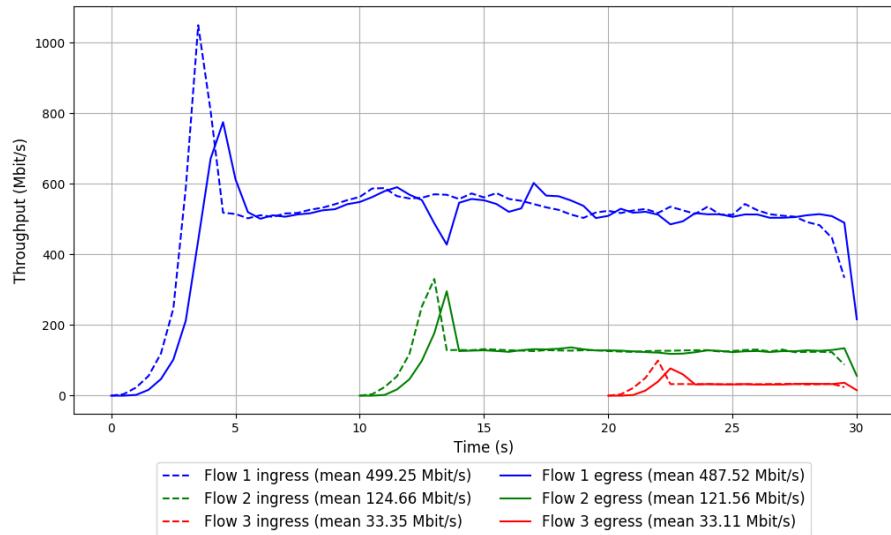


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-25 15:42:45
End at: 2018-05-25 15:43:15
Local clock offset: 0.035 ms
Remote clock offset: -0.185 ms

# Below is generated by plot.py at 2018-05-25 20:09:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 578.65 Mbit/s
95th percentile per-packet one-way delay: 248.452 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 487.52 Mbit/s
95th percentile per-packet one-way delay: 250.741 ms
Loss rate: 3.24%
-- Flow 2:
Average throughput: 121.56 Mbit/s
95th percentile per-packet one-way delay: 244.604 ms
Loss rate: 3.83%
-- Flow 3:
Average throughput: 33.11 Mbit/s
95th percentile per-packet one-way delay: 244.404 ms
Loss rate: 3.47%
```

Run 3: Report of PCC-Allegro — Data Link

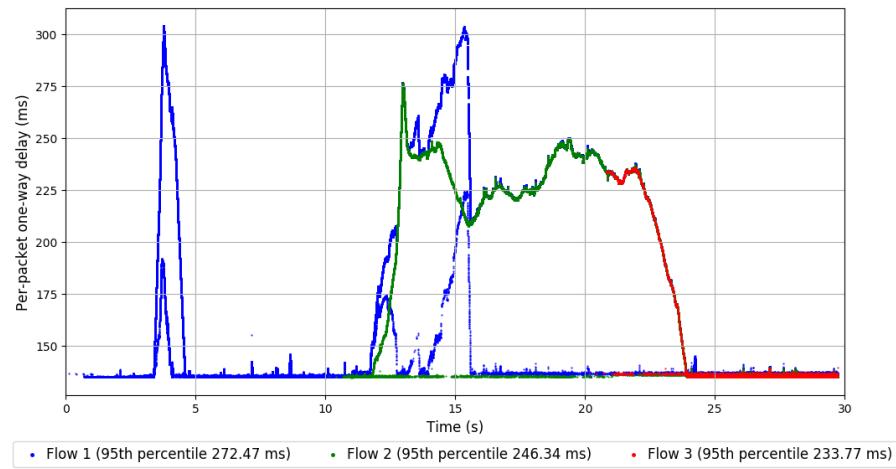
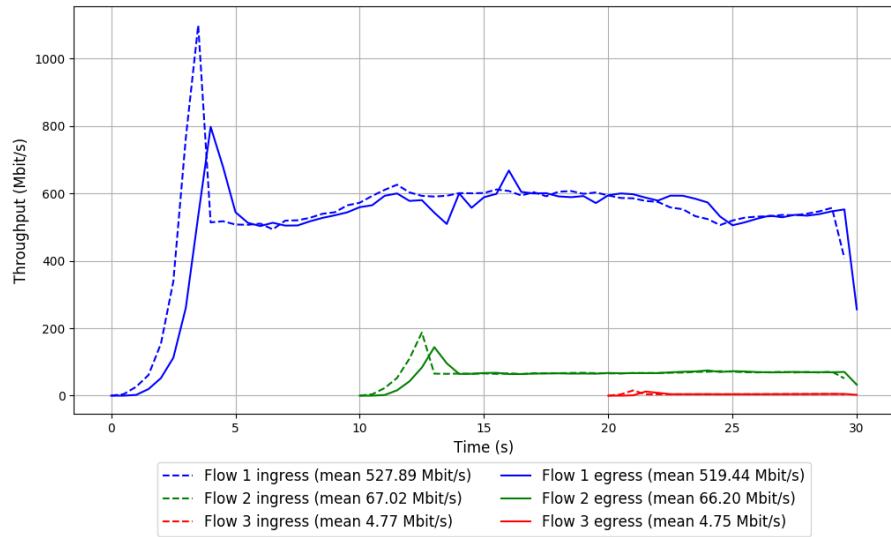


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-25 16:08:00
End at: 2018-05-25 16:08:30
Local clock offset: 0.171 ms
Remote clock offset: -0.197 ms

# Below is generated by plot.py at 2018-05-25 20:09:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 564.67 Mbit/s
95th percentile per-packet one-way delay: 266.085 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 519.44 Mbit/s
95th percentile per-packet one-way delay: 272.466 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 66.20 Mbit/s
95th percentile per-packet one-way delay: 246.337 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 4.75 Mbit/s
95th percentile per-packet one-way delay: 233.769 ms
Loss rate: 3.09%
```

Run 4: Report of PCC-Allegro — Data Link

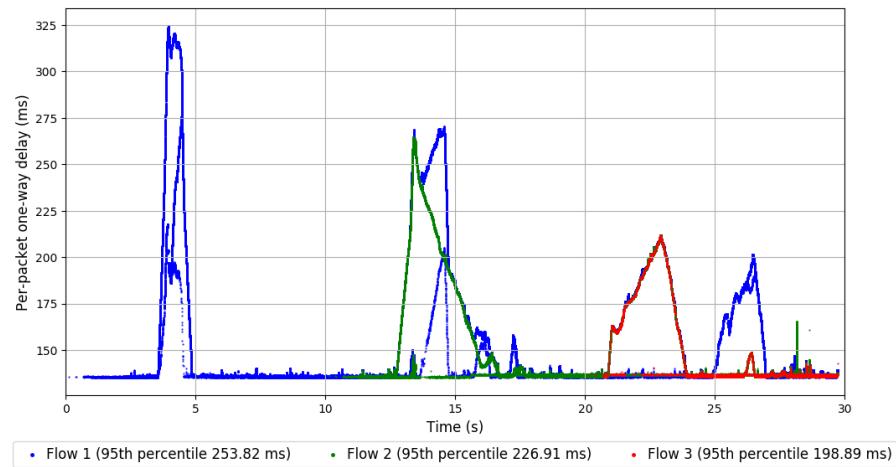
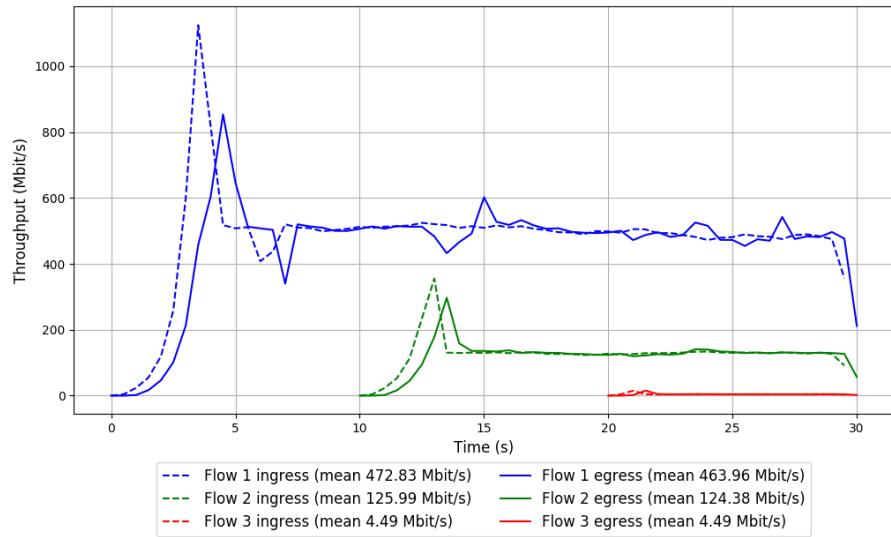


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-25 16:32:55
End at: 2018-05-25 16:33:25
Local clock offset: 0.306 ms
Remote clock offset: -0.579 ms

# Below is generated by plot.py at 2018-05-25 20:09:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 547.62 Mbit/s
95th percentile per-packet one-way delay: 249.234 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 463.96 Mbit/s
95th percentile per-packet one-way delay: 253.822 ms
Loss rate: 2.77%
-- Flow 2:
Average throughput: 124.38 Mbit/s
95th percentile per-packet one-way delay: 226.909 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 198.894 ms
Loss rate: 2.71%
```

Run 5: Report of PCC-Allegro — Data Link

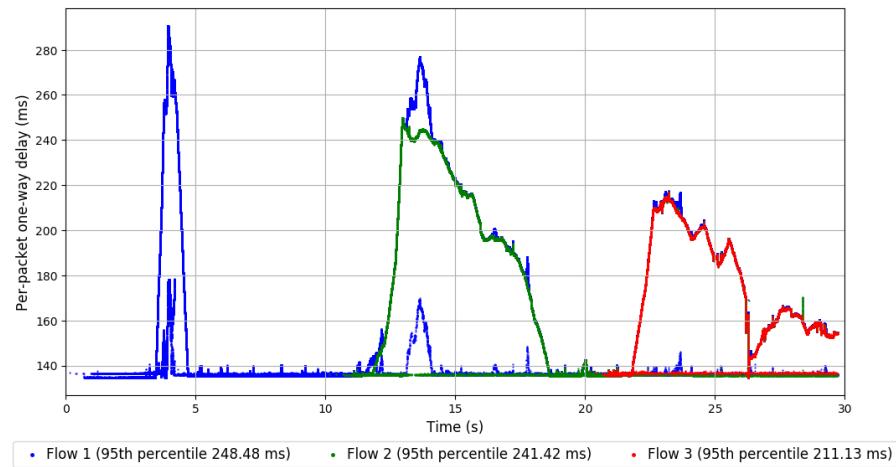
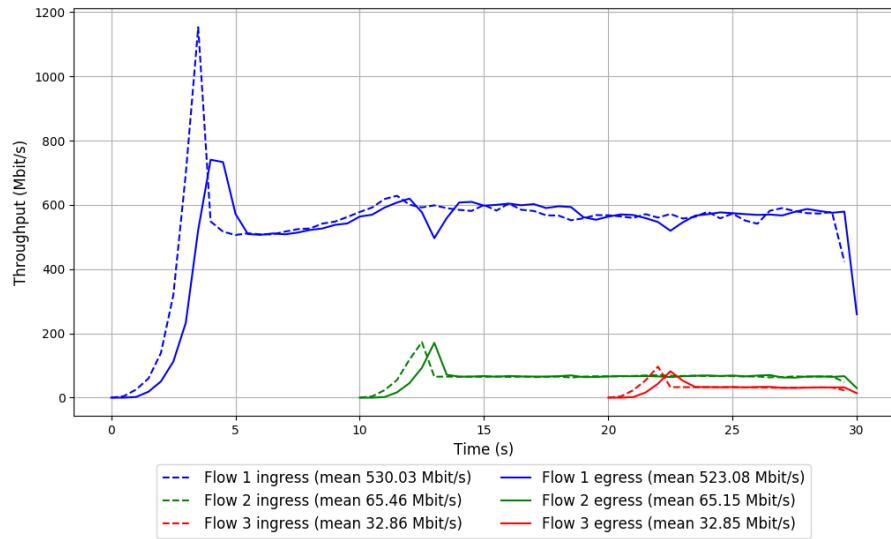


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-25 16:58:07
End at: 2018-05-25 16:58:37
Local clock offset: -0.09 ms
Remote clock offset: -0.139 ms

# Below is generated by plot.py at 2018-05-25 20:09:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 576.81 Mbit/s
95th percentile per-packet one-way delay: 245.580 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 523.08 Mbit/s
95th percentile per-packet one-way delay: 248.479 ms
Loss rate: 2.22%
-- Flow 2:
Average throughput: 65.15 Mbit/s
95th percentile per-packet one-way delay: 241.424 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 211.133 ms
Loss rate: 2.85%
```

Run 6: Report of PCC-Allegro — Data Link

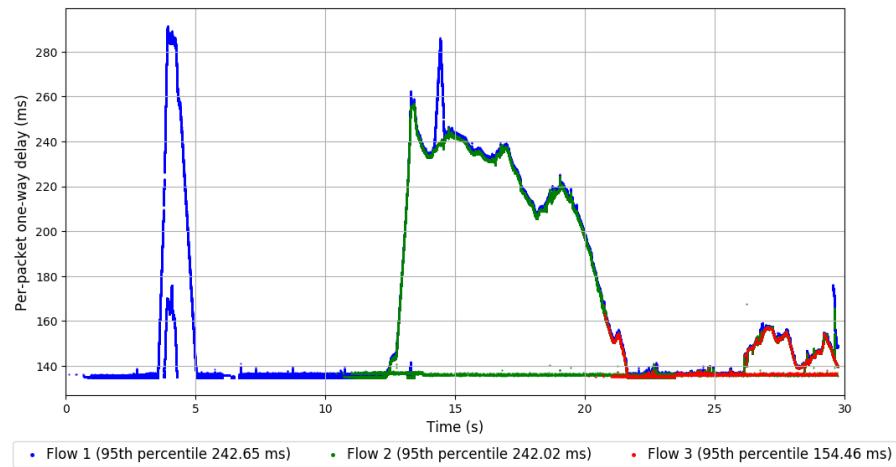
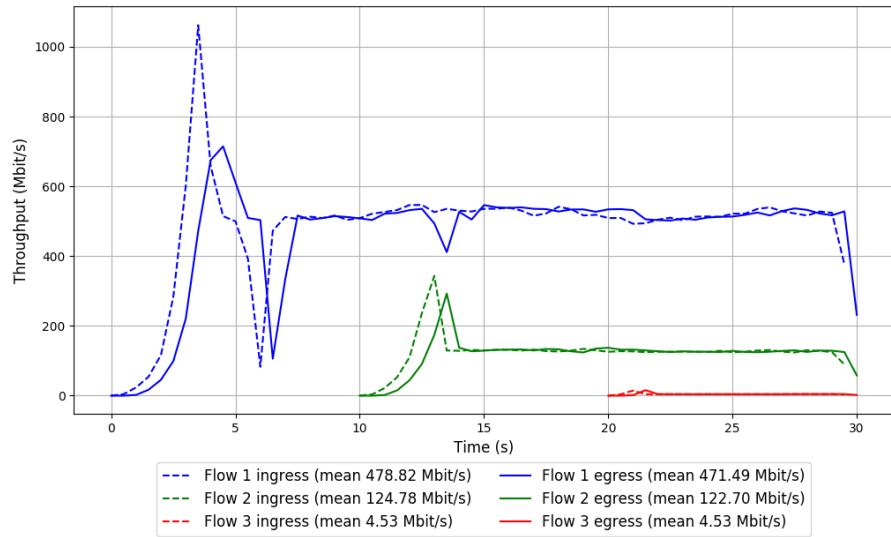


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-25 17:23:17
End at: 2018-05-25 17:23:47
Local clock offset: 0.129 ms
Remote clock offset: -0.233 ms

# Below is generated by plot.py at 2018-05-25 20:14:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 554.15 Mbit/s
95th percentile per-packet one-way delay: 242.519 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 471.49 Mbit/s
95th percentile per-packet one-way delay: 242.653 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 122.70 Mbit/s
95th percentile per-packet one-way delay: 242.018 ms
Loss rate: 3.02%
-- Flow 3:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 154.462 ms
Loss rate: 2.70%
```

Run 7: Report of PCC-Allegro — Data Link

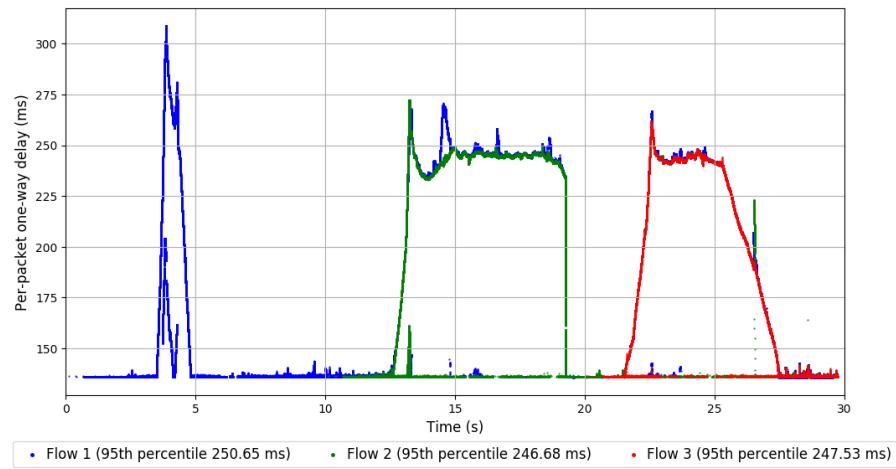
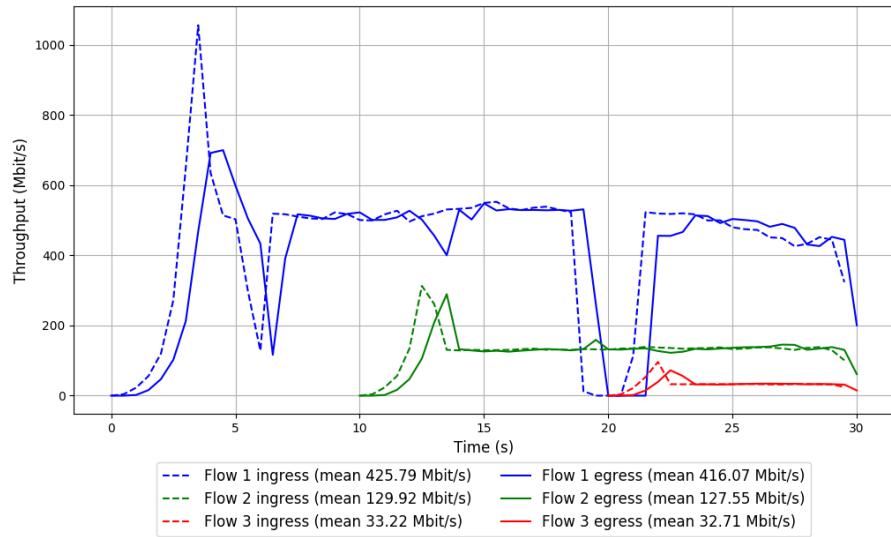


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-25 17:48:41
End at: 2018-05-25 17:49:11
Local clock offset: 0.172 ms
Remote clock offset: -0.206 ms

# Below is generated by plot.py at 2018-05-25 20:14:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 511.07 Mbit/s
95th percentile per-packet one-way delay: 249.201 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 416.07 Mbit/s
95th percentile per-packet one-way delay: 250.649 ms
Loss rate: 3.17%
-- Flow 2:
Average throughput: 127.55 Mbit/s
95th percentile per-packet one-way delay: 246.680 ms
Loss rate: 3.17%
-- Flow 3:
Average throughput: 32.71 Mbit/s
95th percentile per-packet one-way delay: 247.529 ms
Loss rate: 4.24%
```

Run 8: Report of PCC-Allegro — Data Link

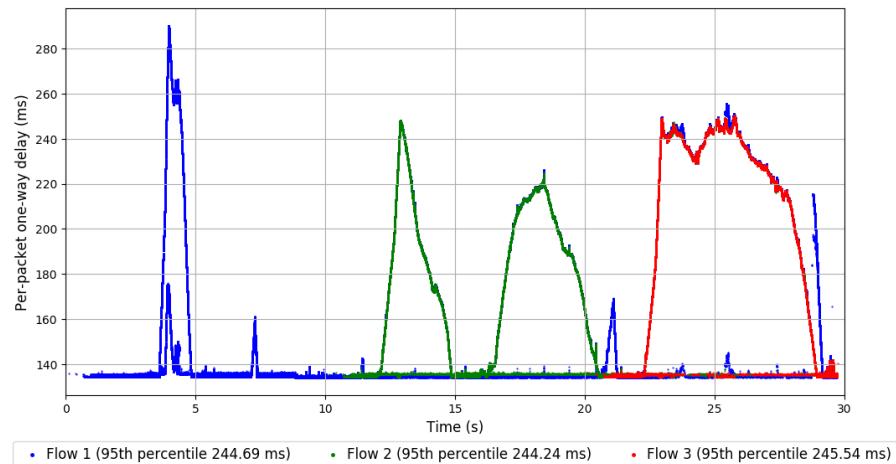
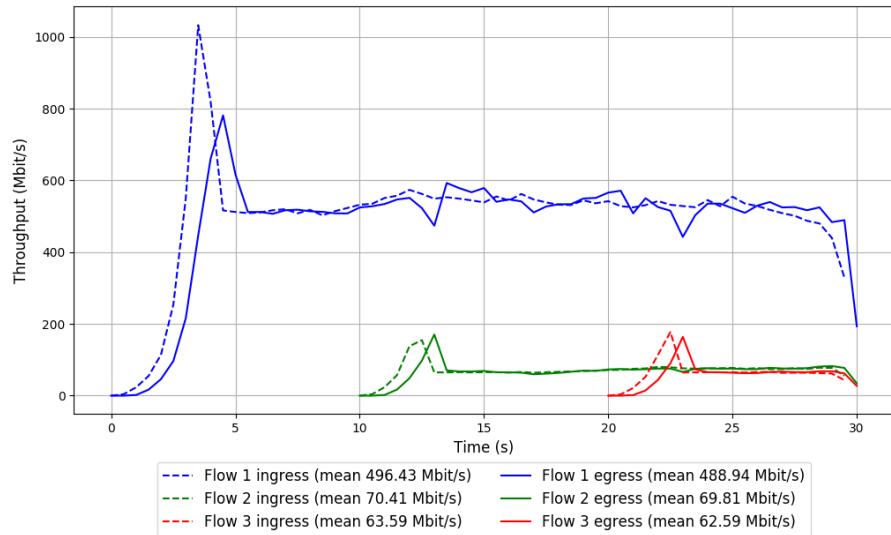


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-25 18:14:00
End at: 2018-05-25 18:14:30
Local clock offset: 0.069 ms
Remote clock offset: 0.191 ms

# Below is generated by plot.py at 2018-05-25 20:16:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 555.26 Mbit/s
95th percentile per-packet one-way delay: 244.694 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 488.94 Mbit/s
95th percentile per-packet one-way delay: 244.685 ms
Loss rate: 2.41%
-- Flow 2:
Average throughput: 69.81 Mbit/s
95th percentile per-packet one-way delay: 244.240 ms
Loss rate: 2.21%
-- Flow 3:
Average throughput: 62.59 Mbit/s
95th percentile per-packet one-way delay: 245.538 ms
Loss rate: 4.25%
```

Run 9: Report of PCC-Allegro — Data Link

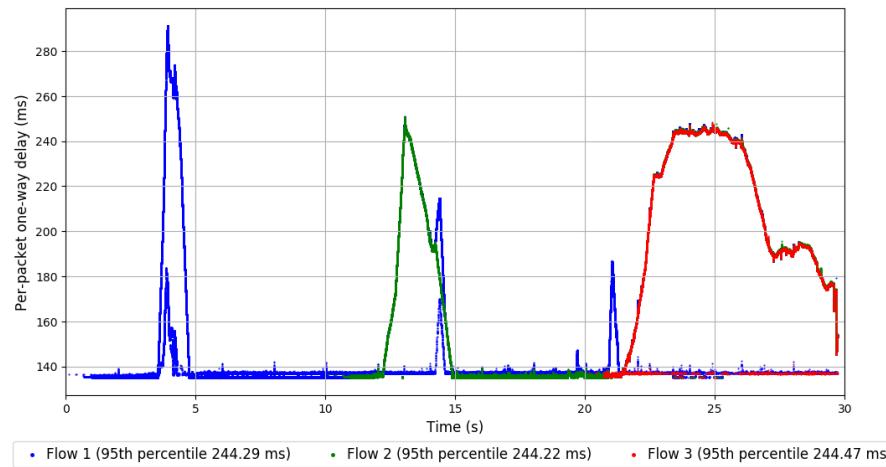
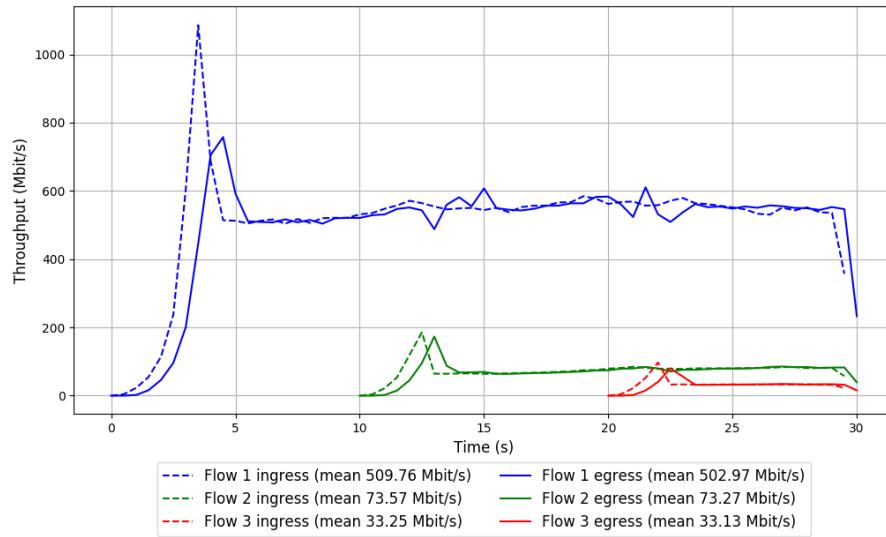


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-25 18:39:16
End at: 2018-05-25 18:39:46
Local clock offset: 0.009 ms
Remote clock offset: -0.58 ms

# Below is generated by plot.py at 2018-05-25 20:17:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 562.17 Mbit/s
95th percentile per-packet one-way delay: 244.286 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 502.97 Mbit/s
95th percentile per-packet one-way delay: 244.288 ms
Loss rate: 2.24%
-- Flow 2:
Average throughput: 73.27 Mbit/s
95th percentile per-packet one-way delay: 244.224 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 244.474 ms
Loss rate: 3.14%
```

Run 10: Report of PCC-Allegro — Data Link

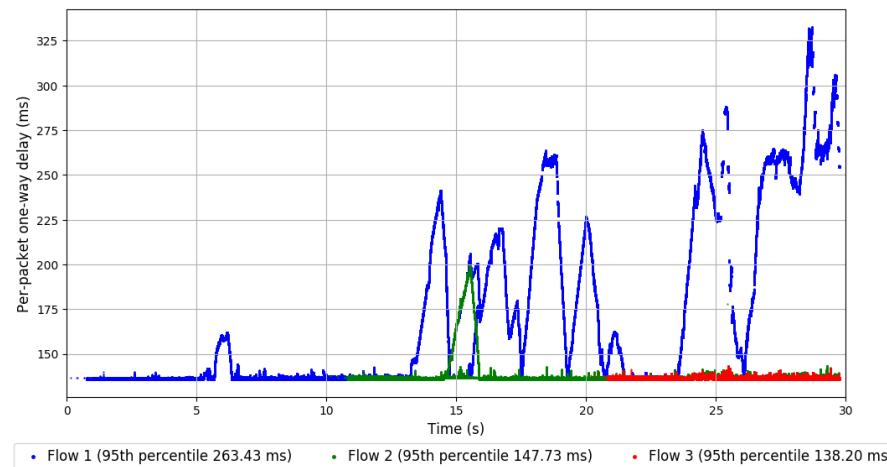
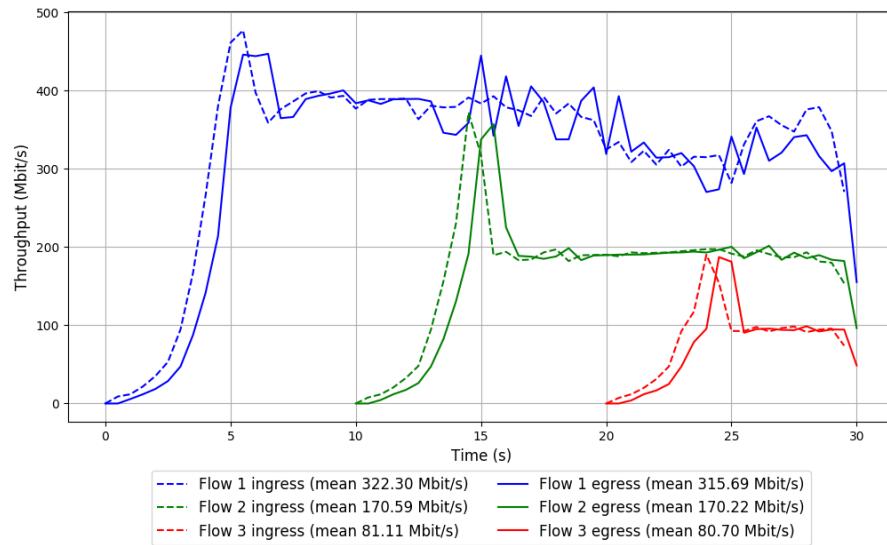


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-05-25 14:35:32
End at: 2018-05-25 14:36:02
Local clock offset: 0.256 ms
Remote clock offset: -0.25 ms

# Below is generated by plot.py at 2018-05-25 20:22:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 454.38 Mbit/s
95th percentile per-packet one-way delay: 260.055 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 315.69 Mbit/s
95th percentile per-packet one-way delay: 263.433 ms
Loss rate: 2.95%
-- Flow 2:
Average throughput: 170.22 Mbit/s
95th percentile per-packet one-way delay: 147.728 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 80.70 Mbit/s
95th percentile per-packet one-way delay: 138.201 ms
Loss rate: 3.28%
```

Run 1: Report of PCC-Expr — Data Link

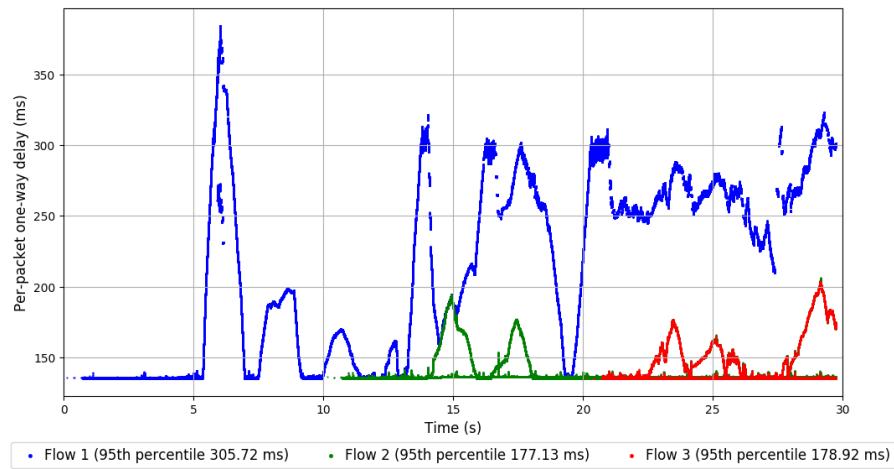
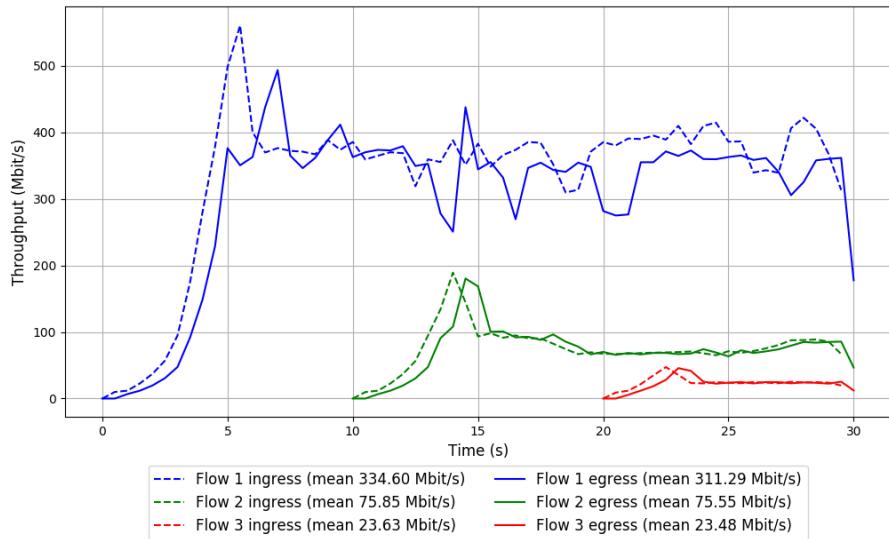


Run 2: Statistics of PCC-Expr

```
Start at: 2018-05-25 15:00:45
End at: 2018-05-25 15:01:15
Local clock offset: -0.282 ms
Remote clock offset: -0.254 ms

# Below is generated by plot.py at 2018-05-25 20:22:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 368.90 Mbit/s
95th percentile per-packet one-way delay: 302.813 ms
Loss rate: 6.95%
-- Flow 1:
Average throughput: 311.29 Mbit/s
95th percentile per-packet one-way delay: 305.721 ms
Loss rate: 7.82%
-- Flow 2:
Average throughput: 75.55 Mbit/s
95th percentile per-packet one-way delay: 177.135 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 23.48 Mbit/s
95th percentile per-packet one-way delay: 178.921 ms
Loss rate: 3.41%
```

Run 2: Report of PCC-Expr — Data Link

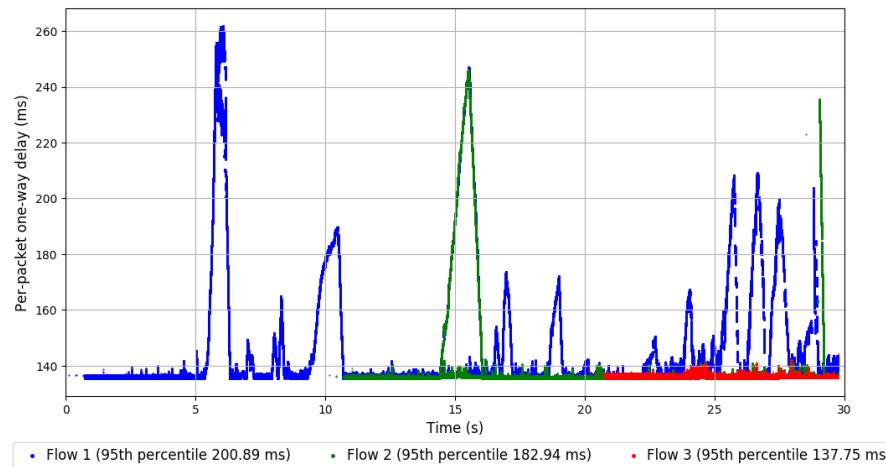
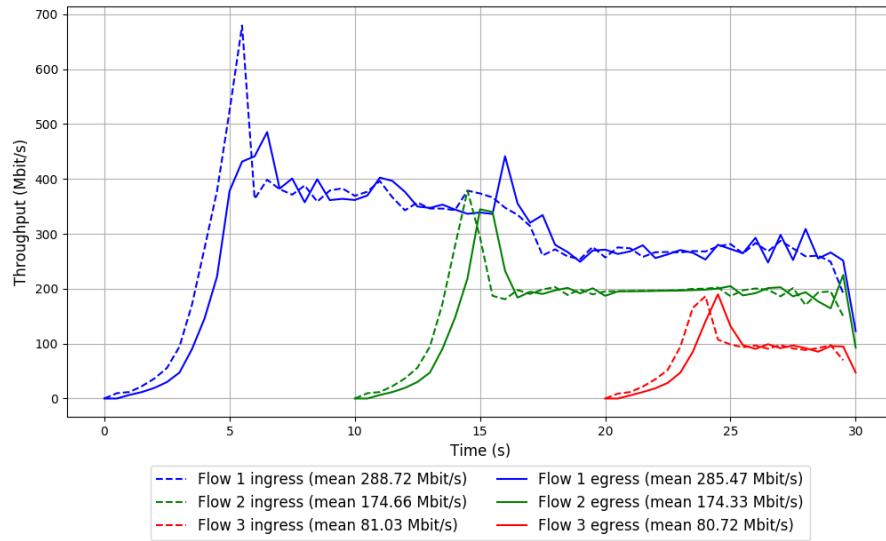


Run 3: Statistics of PCC-Expr

```
Start at: 2018-05-25 15:25:43
End at: 2018-05-25 15:26:13
Local clock offset: -0.023 ms
Remote clock offset: -0.228 ms

# Below is generated by plot.py at 2018-05-25 20:24:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 426.93 Mbit/s
95th percentile per-packet one-way delay: 195.112 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 285.47 Mbit/s
95th percentile per-packet one-way delay: 200.887 ms
Loss rate: 2.03%
-- Flow 2:
Average throughput: 174.33 Mbit/s
95th percentile per-packet one-way delay: 182.938 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 80.72 Mbit/s
95th percentile per-packet one-way delay: 137.745 ms
Loss rate: 3.09%
```

Run 3: Report of PCC-Expr — Data Link

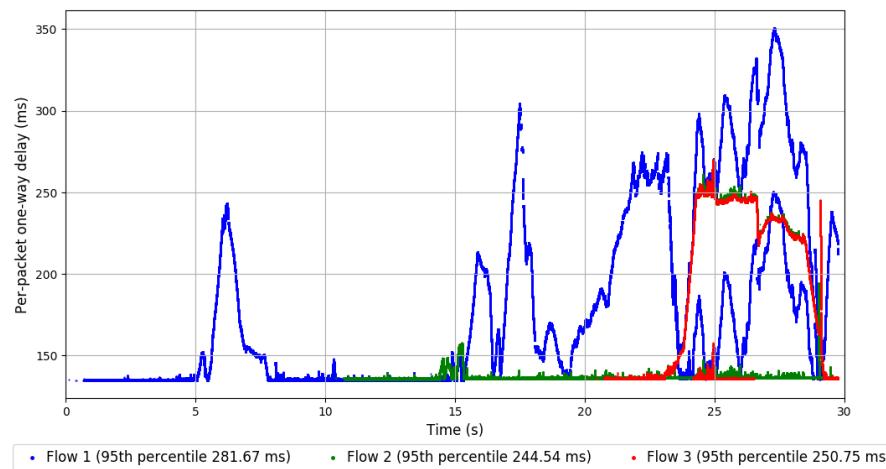
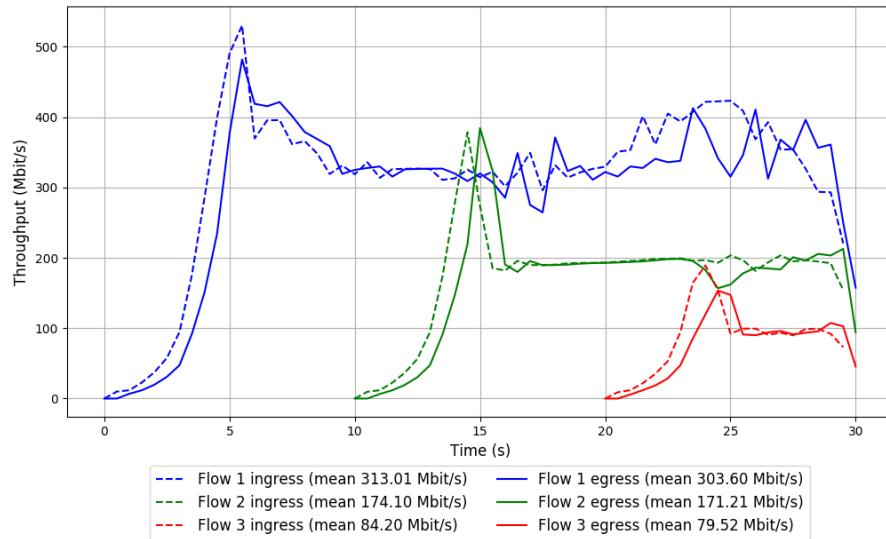


Run 4: Statistics of PCC-Expr

```
Start at: 2018-05-25 15:50:55
End at: 2018-05-25 15:51:25
Local clock offset: 0.318 ms
Remote clock offset: -0.248 ms

# Below is generated by plot.py at 2018-05-25 20:25:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 442.68 Mbit/s
95th percentile per-packet one-way delay: 268.939 ms
Loss rate: 3.93%
-- Flow 1:
Average throughput: 303.60 Mbit/s
95th percentile per-packet one-way delay: 281.672 ms
Loss rate: 3.89%
-- Flow 2:
Average throughput: 171.21 Mbit/s
95th percentile per-packet one-way delay: 244.536 ms
Loss rate: 3.01%
-- Flow 3:
Average throughput: 79.52 Mbit/s
95th percentile per-packet one-way delay: 250.755 ms
Loss rate: 8.18%
```

Run 4: Report of PCC-Expr — Data Link

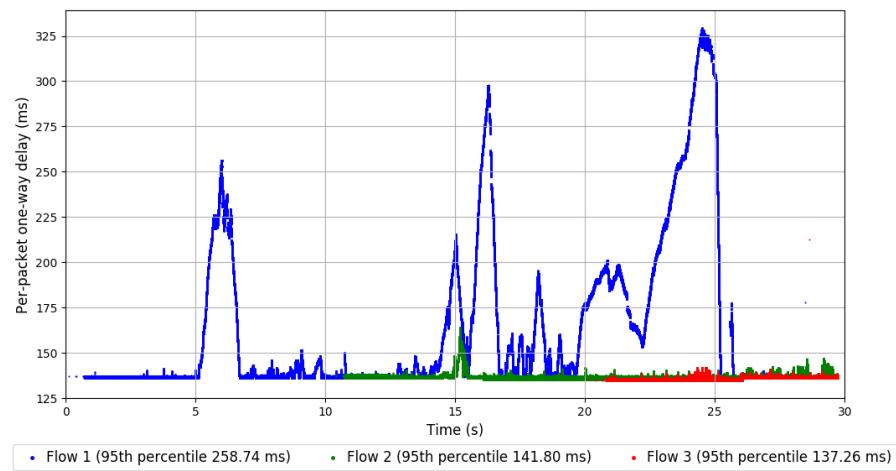
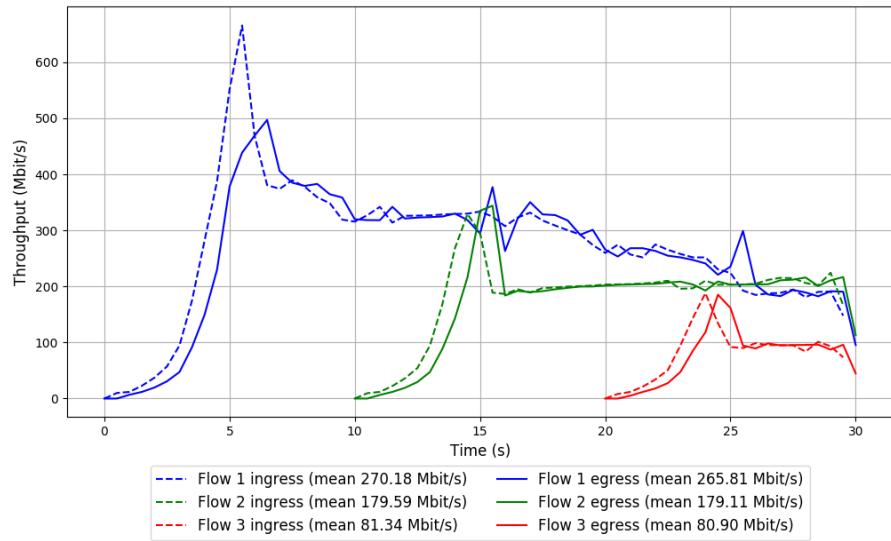


Run 5: Statistics of PCC-Expr

```
Start at: 2018-05-25 16:16:05
End at: 2018-05-25 16:16:35
Local clock offset: 0.264 ms
Remote clock offset: -0.23 ms

# Below is generated by plot.py at 2018-05-25 20:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 410.59 Mbit/s
95th percentile per-packet one-way delay: 238.883 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 265.81 Mbit/s
95th percentile per-packet one-way delay: 258.740 ms
Loss rate: 2.51%
-- Flow 2:
Average throughput: 179.11 Mbit/s
95th percentile per-packet one-way delay: 141.799 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 80.90 Mbit/s
95th percentile per-packet one-way delay: 137.258 ms
Loss rate: 3.30%
```

Run 5: Report of PCC-Expr — Data Link

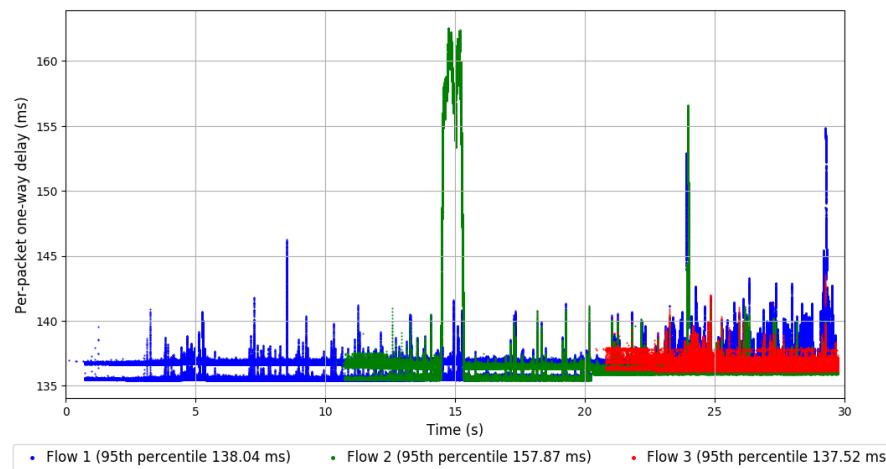
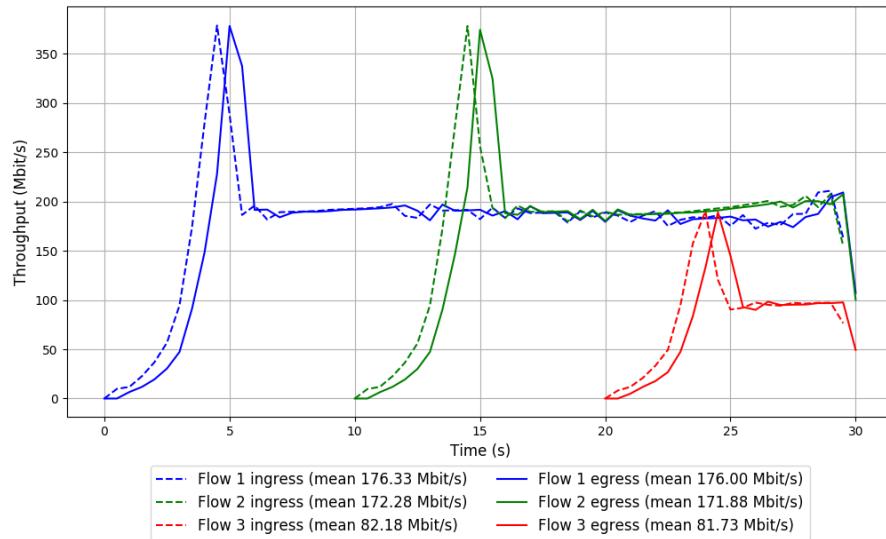


Run 6: Statistics of PCC-Expr

```
Start at: 2018-05-25 16:41:11
End at: 2018-05-25 16:41:41
Local clock offset: 0.16 ms
Remote clock offset: -0.619 ms

# Below is generated by plot.py at 2018-05-25 20:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 316.25 Mbit/s
95th percentile per-packet one-way delay: 139.167 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 176.00 Mbit/s
95th percentile per-packet one-way delay: 138.044 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 171.88 Mbit/s
95th percentile per-packet one-way delay: 157.867 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 81.73 Mbit/s
95th percentile per-packet one-way delay: 137.524 ms
Loss rate: 3.30%
```

Run 6: Report of PCC-Expr — Data Link

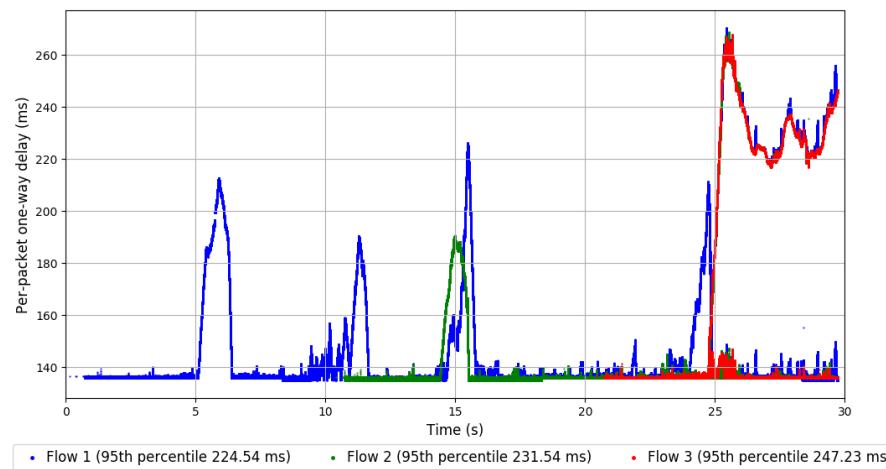
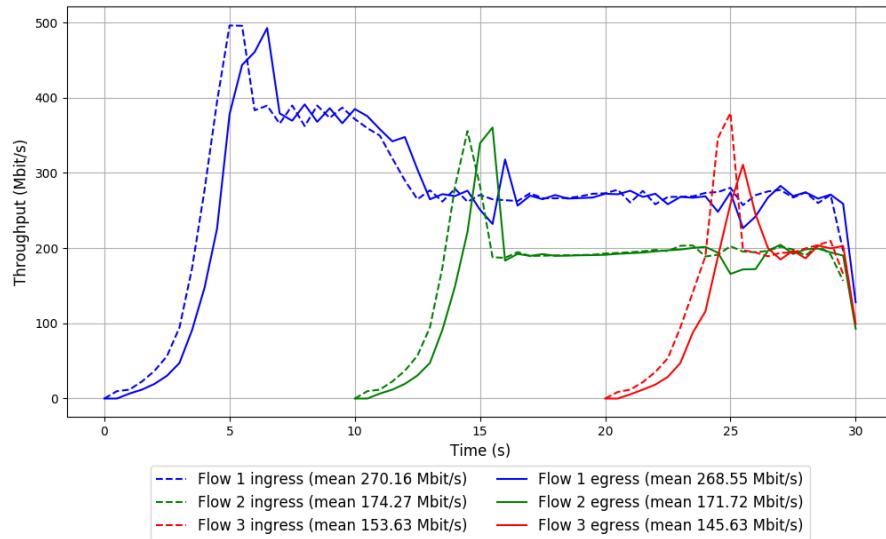


Run 7: Statistics of PCC-Expr

```
Start at: 2018-05-25 17:06:23
End at: 2018-05-25 17:06:53
Local clock offset: 0.079 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2018-05-25 20:32:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 429.38 Mbit/s
95th percentile per-packet one-way delay: 231.302 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 268.55 Mbit/s
95th percentile per-packet one-way delay: 224.545 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 171.72 Mbit/s
95th percentile per-packet one-way delay: 231.537 ms
Loss rate: 2.83%
-- Flow 3:
Average throughput: 145.63 Mbit/s
95th percentile per-packet one-way delay: 247.228 ms
Loss rate: 7.84%
```

Run 7: Report of PCC-Expr — Data Link

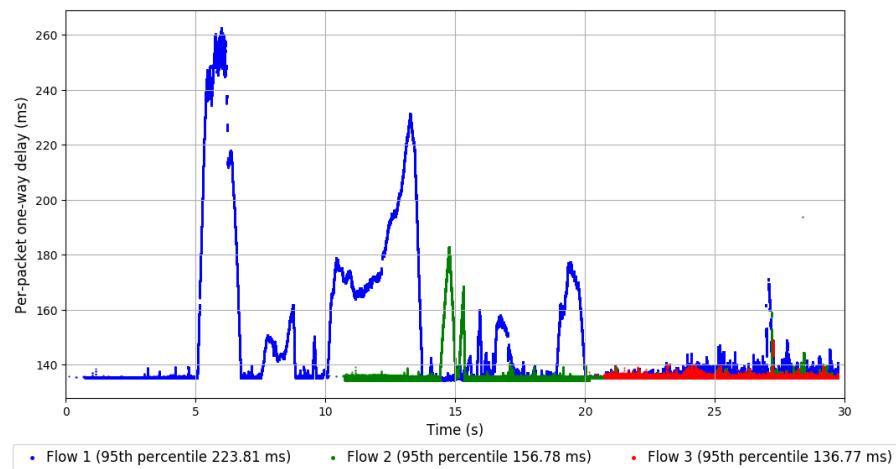
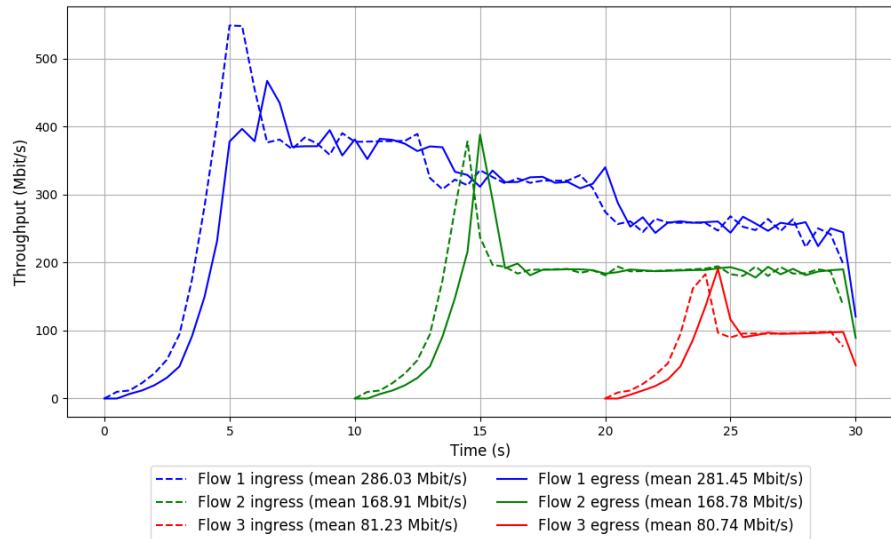


Run 8: Statistics of PCC-Expr

```
Start at: 2018-05-25 17:31:31
End at: 2018-05-25 17:32:01
Local clock offset: -0.328 ms
Remote clock offset: -0.201 ms

# Below is generated by plot.py at 2018-05-25 20:32:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 419.33 Mbit/s
95th percentile per-packet one-way delay: 211.624 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 281.45 Mbit/s
95th percentile per-packet one-way delay: 223.810 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 168.78 Mbit/s
95th percentile per-packet one-way delay: 156.785 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 80.74 Mbit/s
95th percentile per-packet one-way delay: 136.772 ms
Loss rate: 3.38%
```

Run 8: Report of PCC-Expr — Data Link

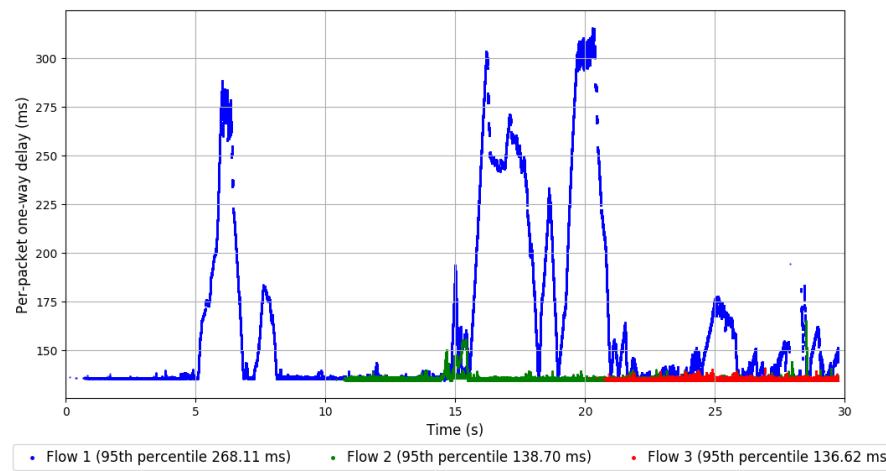
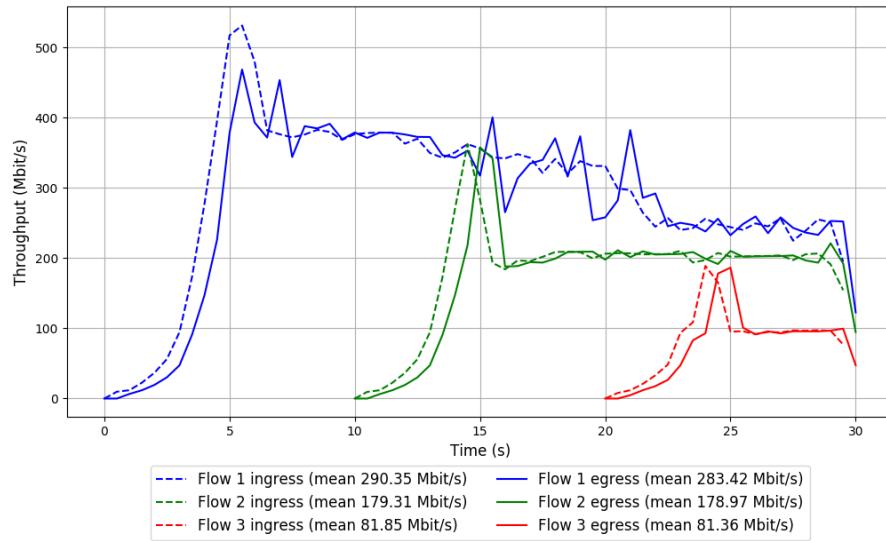


Run 9: Statistics of PCC-Expr

```
Start at: 2018-05-25 17:56:50
End at: 2018-05-25 17:57:20
Local clock offset: 0.312 ms
Remote clock offset: 0.165 ms

# Below is generated by plot.py at 2018-05-25 20:37:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 428.24 Mbit/s
95th percentile per-packet one-way delay: 255.072 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 283.42 Mbit/s
95th percentile per-packet one-way delay: 268.107 ms
Loss rate: 3.28%
-- Flow 2:
Average throughput: 178.97 Mbit/s
95th percentile per-packet one-way delay: 138.702 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 81.36 Mbit/s
95th percentile per-packet one-way delay: 136.618 ms
Loss rate: 3.39%
```

Run 9: Report of PCC-Expr — Data Link

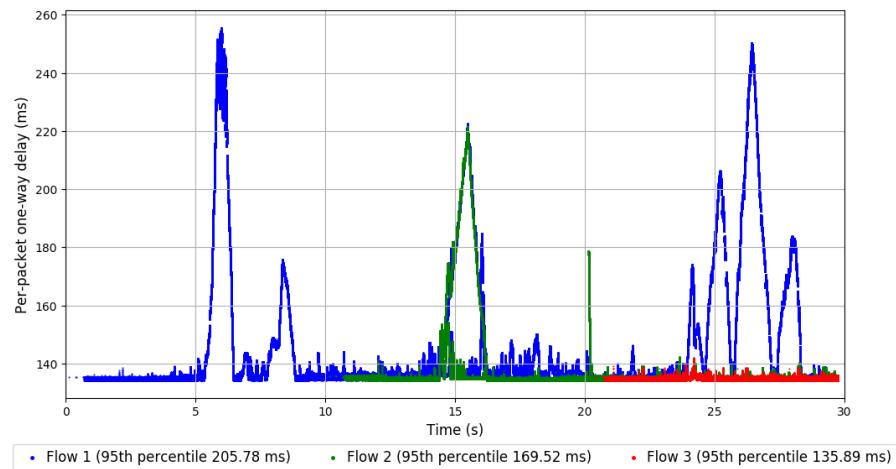
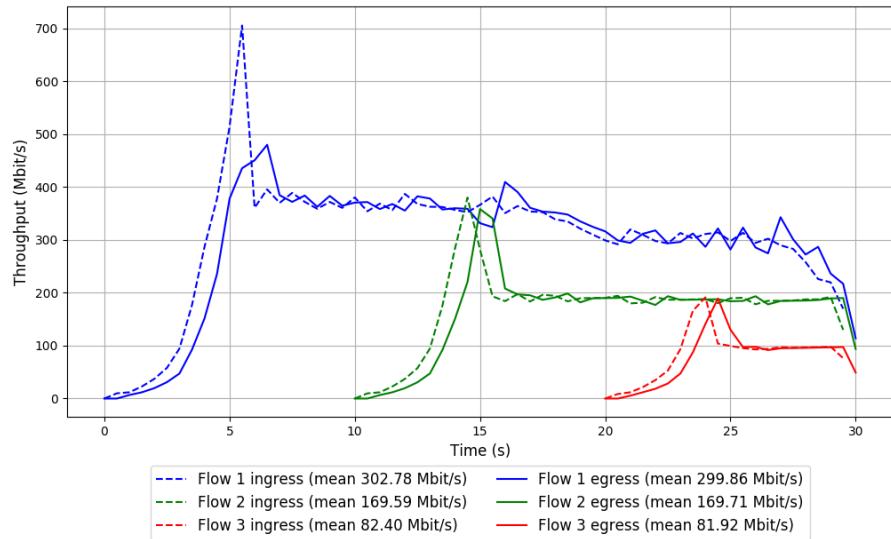


Run 10: Statistics of PCC-Expr

```
Start at: 2018-05-25 18:22:12
End at: 2018-05-25 18:22:42
Local clock offset: -0.426 ms
Remote clock offset: -0.161 ms

# Below is generated by plot.py at 2018-05-25 20:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 438.75 Mbit/s
95th percentile per-packet one-way delay: 196.953 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 299.86 Mbit/s
95th percentile per-packet one-way delay: 205.785 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 169.71 Mbit/s
95th percentile per-packet one-way delay: 169.522 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 81.92 Mbit/s
95th percentile per-packet one-way delay: 135.891 ms
Loss rate: 3.33%
```

Run 10: Report of PCC-Expr — Data Link

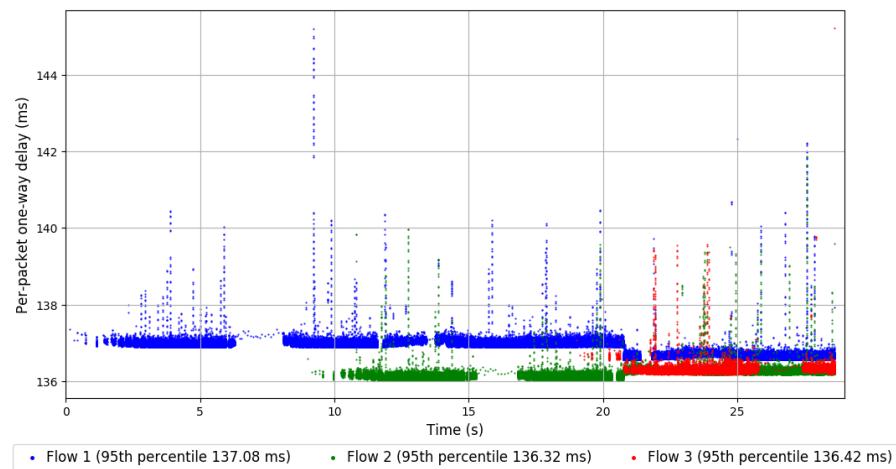
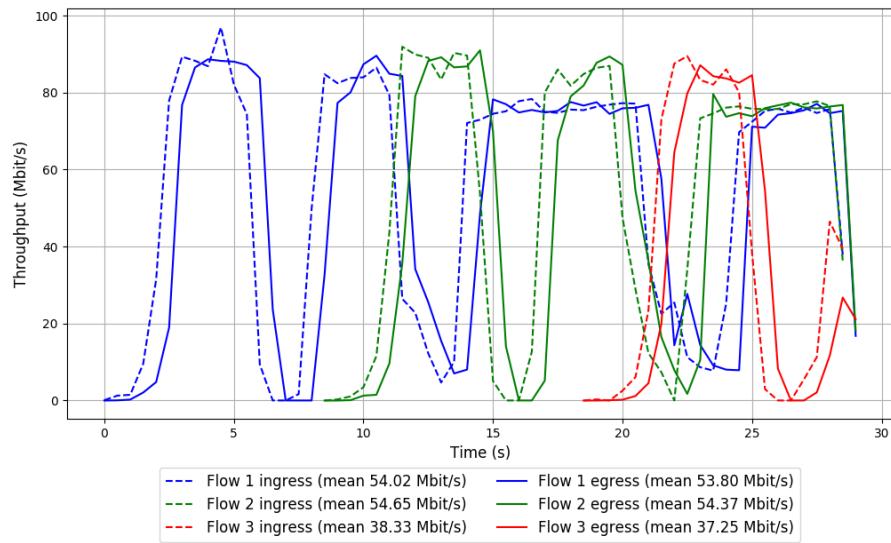


Run 1: Statistics of QUIC Cubic

```
Start at: 2018-05-25 14:40:49
End at: 2018-05-25 14:41:19
Local clock offset: 0.093 ms
Remote clock offset: -0.616 ms

# Below is generated by plot.py at 2018-05-25 20:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 103.83 Mbit/s
95th percentile per-packet one-way delay: 137.044 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 53.80 Mbit/s
95th percentile per-packet one-way delay: 137.077 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 54.37 Mbit/s
95th percentile per-packet one-way delay: 136.318 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 37.25 Mbit/s
95th percentile per-packet one-way delay: 136.417 ms
Loss rate: 5.41%
```

Run 1: Report of QUIC Cubic — Data Link

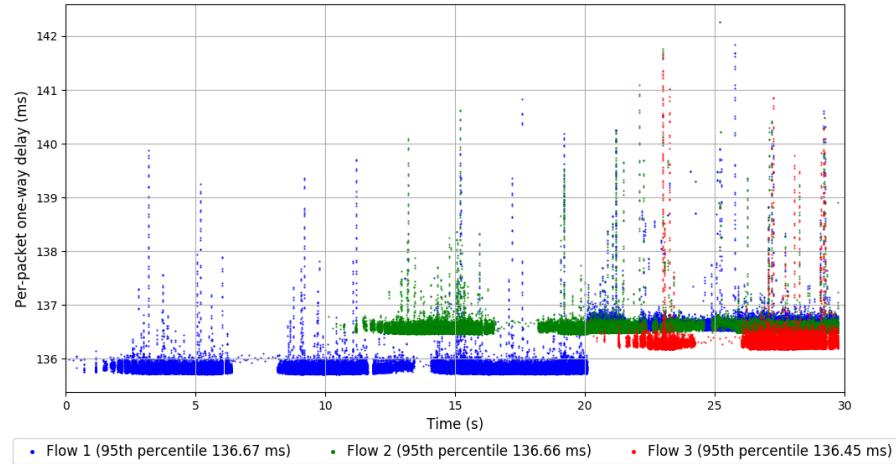
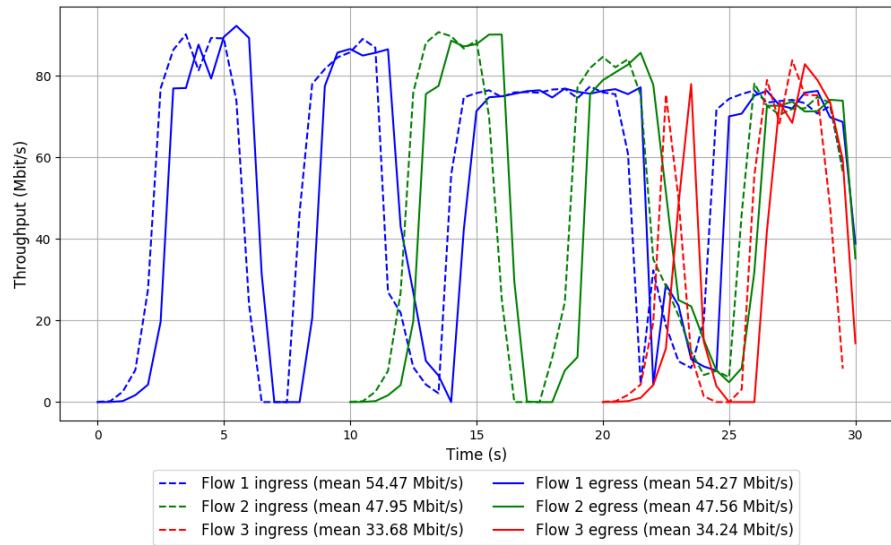


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-25 15:05:51
End at: 2018-05-25 15:06:21
Local clock offset: 0.022 ms
Remote clock offset: -0.639 ms

# Below is generated by plot.py at 2018-05-25 20:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 136.662 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 54.27 Mbit/s
95th percentile per-packet one-way delay: 136.673 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 47.56 Mbit/s
95th percentile per-packet one-way delay: 136.655 ms
Loss rate: 2.14%
-- Flow 3:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 136.450 ms
Loss rate: 0.51%
```

Run 2: Report of QUIC Cubic — Data Link

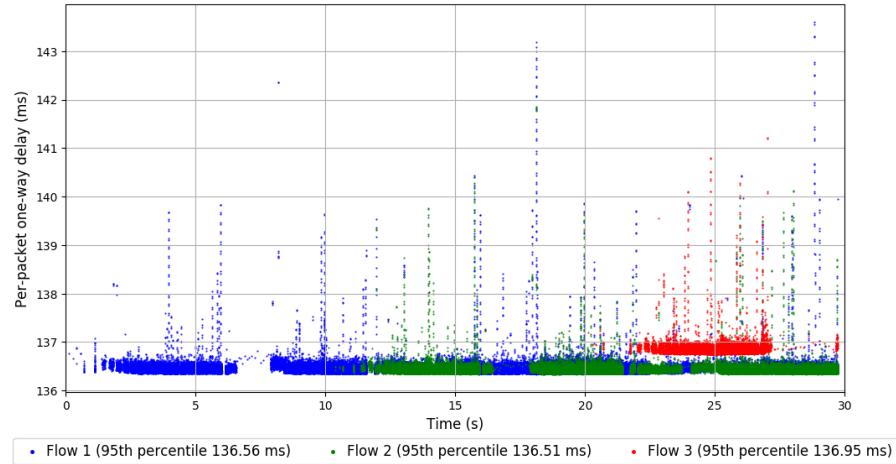
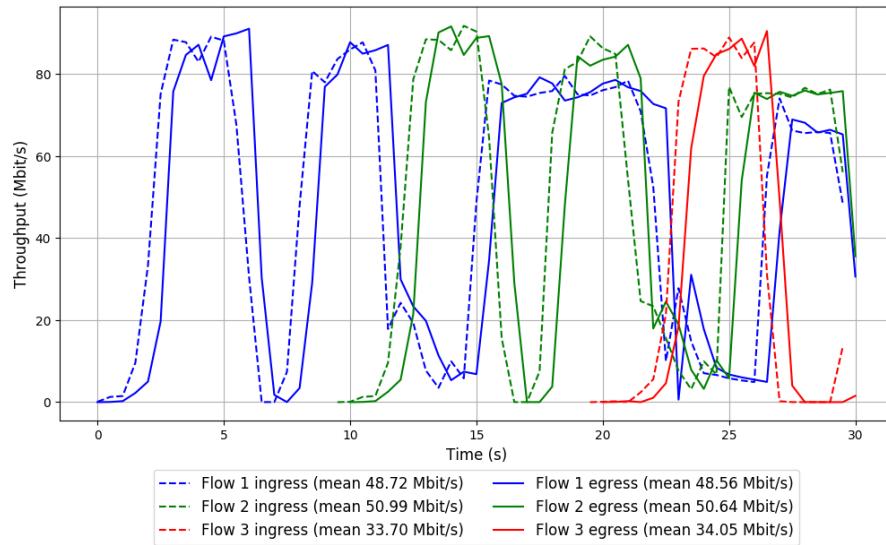


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-25 15:30:46
End at: 2018-05-25 15:31:16
Local clock offset: 0.307 ms
Remote clock offset: -0.629 ms

# Below is generated by plot.py at 2018-05-25 20:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 136.840 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 136.555 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 50.64 Mbit/s
95th percentile per-packet one-way delay: 136.514 ms
Loss rate: 2.05%
-- Flow 3:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 136.950 ms
Loss rate: 1.80%
```

Run 3: Report of QUIC Cubic — Data Link

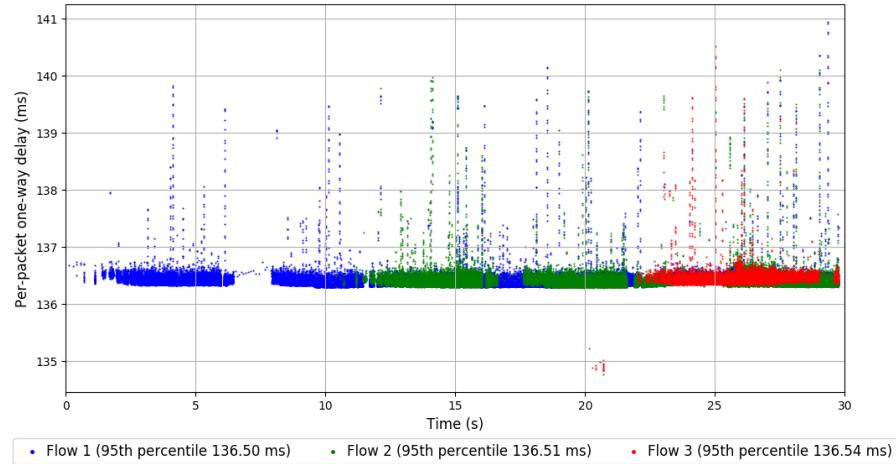
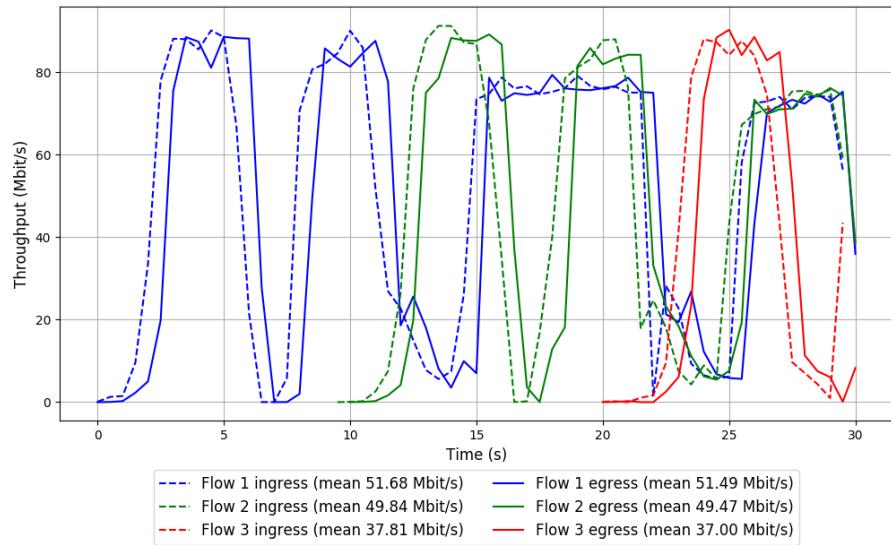


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-25 15:56:00
End at: 2018-05-25 15:56:30
Local clock offset: -0.003 ms
Remote clock offset: -0.592 ms

# Below is generated by plot.py at 2018-05-25 20:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 136.510 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 51.49 Mbit/s
95th percentile per-packet one-way delay: 136.498 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 49.47 Mbit/s
95th percentile per-packet one-way delay: 136.515 ms
Loss rate: 2.11%
-- Flow 3:
Average throughput: 37.00 Mbit/s
95th percentile per-packet one-way delay: 136.536 ms
Loss rate: 4.85%
```

Run 4: Report of QUIC Cubic — Data Link

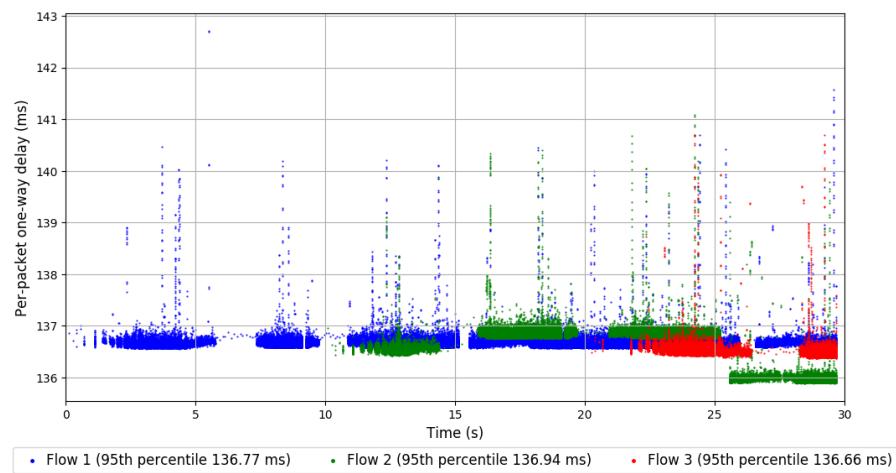
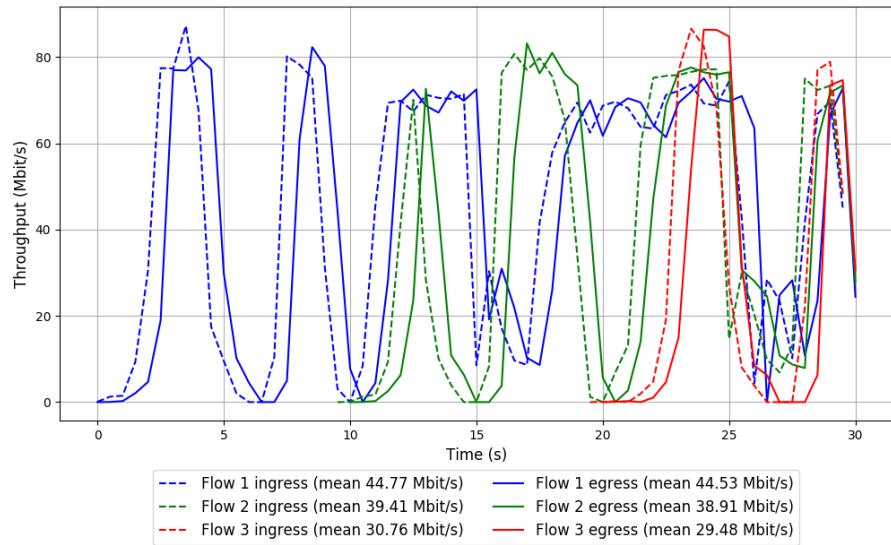


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-25 16:21:15
End at: 2018-05-25 16:21:45
Local clock offset: 0.026 ms
Remote clock offset: -0.556 ms

# Below is generated by plot.py at 2018-05-25 20:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.87 Mbit/s
95th percentile per-packet one-way delay: 136.887 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 44.53 Mbit/s
95th percentile per-packet one-way delay: 136.770 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 136.936 ms
Loss rate: 2.61%
-- Flow 3:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 136.658 ms
Loss rate: 6.81%
```

Run 5: Report of QUIC Cubic — Data Link

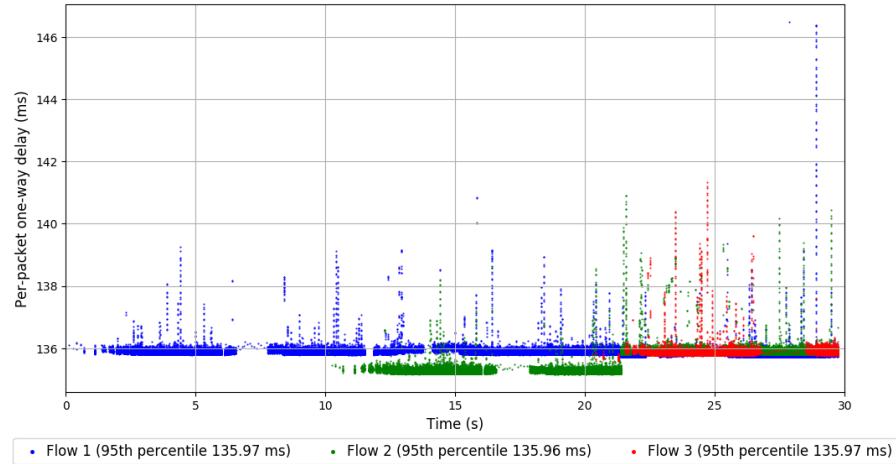
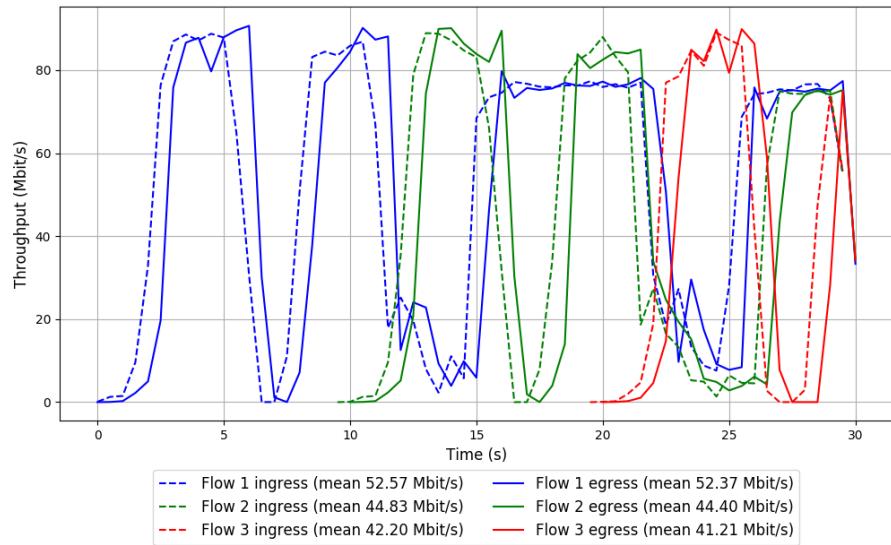


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-25 16:46:09
End at: 2018-05-25 16:46:39
Local clock offset: 0.1 ms
Remote clock offset: -0.123 ms

# Below is generated by plot.py at 2018-05-25 20:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 135.965 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 52.37 Mbit/s
95th percentile per-packet one-way delay: 135.969 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 44.40 Mbit/s
95th percentile per-packet one-way delay: 135.955 ms
Loss rate: 2.30%
-- Flow 3:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 135.969 ms
Loss rate: 5.03%
```

Run 6: Report of QUIC Cubic — Data Link

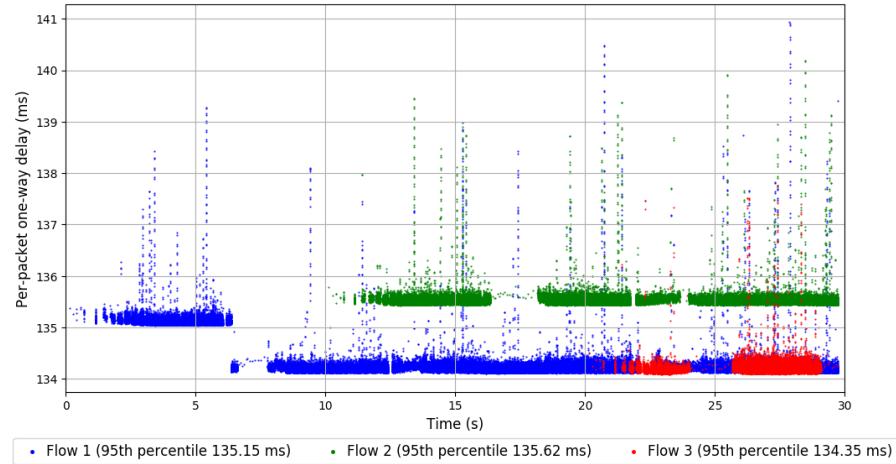
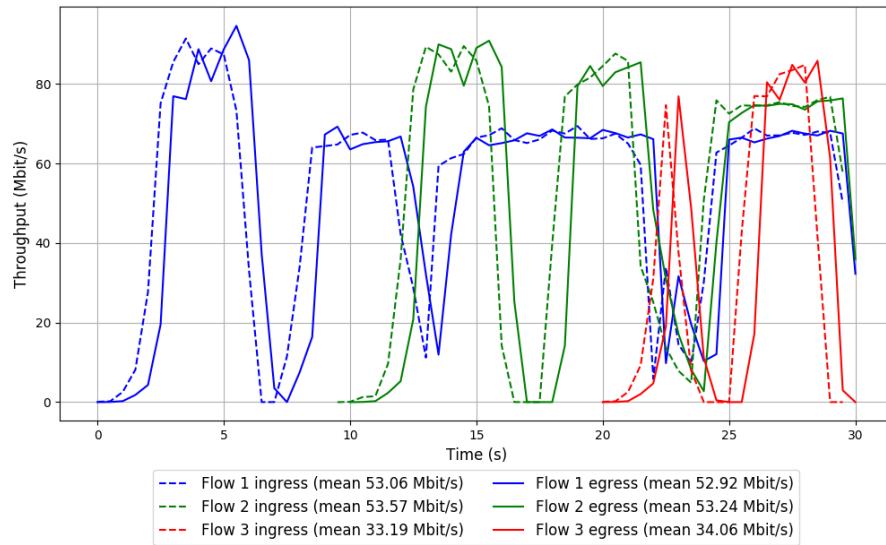


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-25 17:11:24
End at: 2018-05-25 17:11:54
Local clock offset: -0.228 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2018-05-25 20:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.19 Mbit/s
95th percentile per-packet one-way delay: 135.571 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 52.92 Mbit/s
95th percentile per-packet one-way delay: 135.152 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 53.24 Mbit/s
95th percentile per-packet one-way delay: 135.615 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 134.349 ms
Loss rate: 0.00%
```

Run 7: Report of QUIC Cubic — Data Link

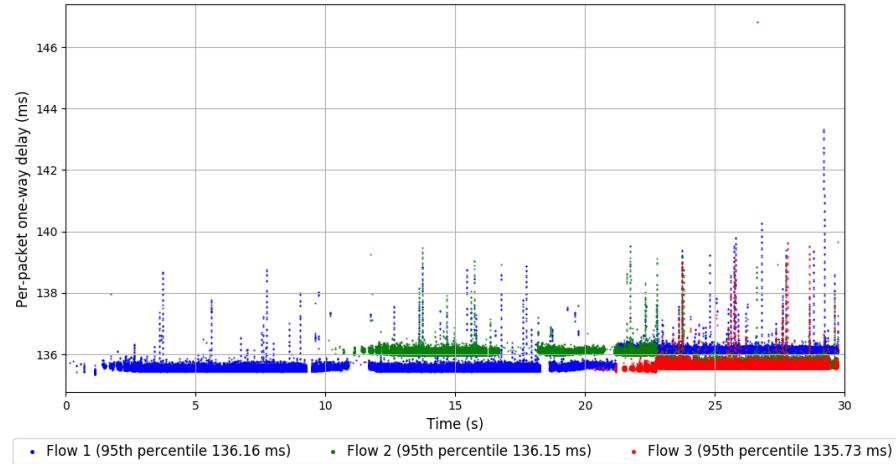
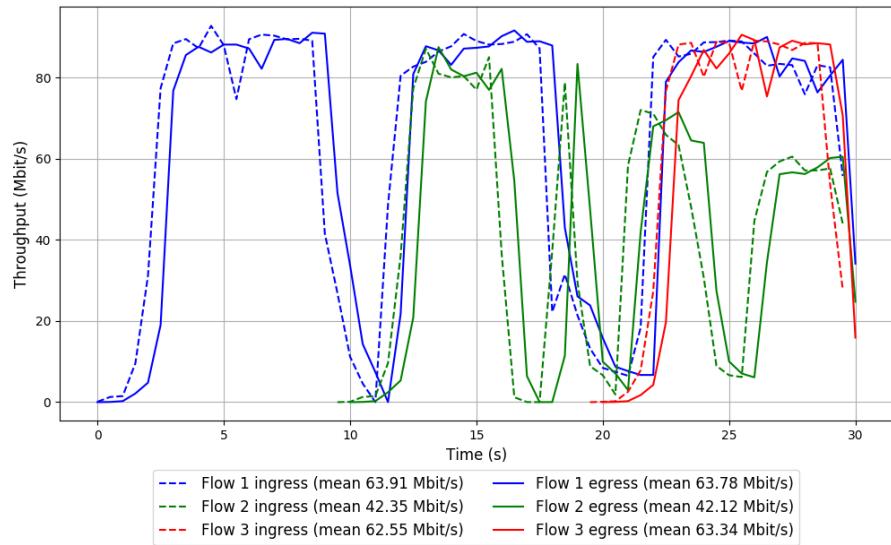


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-25 17:36:38
End at: 2018-05-25 17:37:08
Local clock offset: -0.151 ms
Remote clock offset: -0.213 ms

# Below is generated by plot.py at 2018-05-25 20:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 112.27 Mbit/s
95th percentile per-packet one-way delay: 136.147 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 63.78 Mbit/s
95th percentile per-packet one-way delay: 136.156 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 42.12 Mbit/s
95th percentile per-packet one-way delay: 136.152 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 63.34 Mbit/s
95th percentile per-packet one-way delay: 135.726 ms
Loss rate: 1.48%
```

Run 8: Report of QUIC Cubic — Data Link

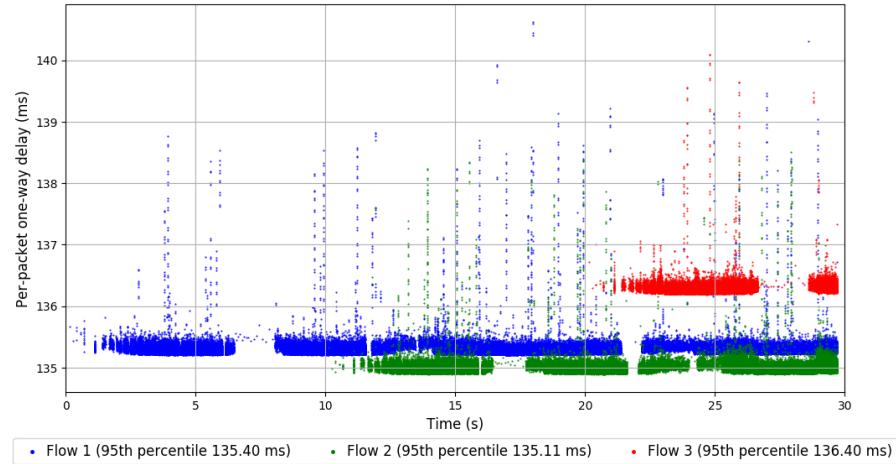
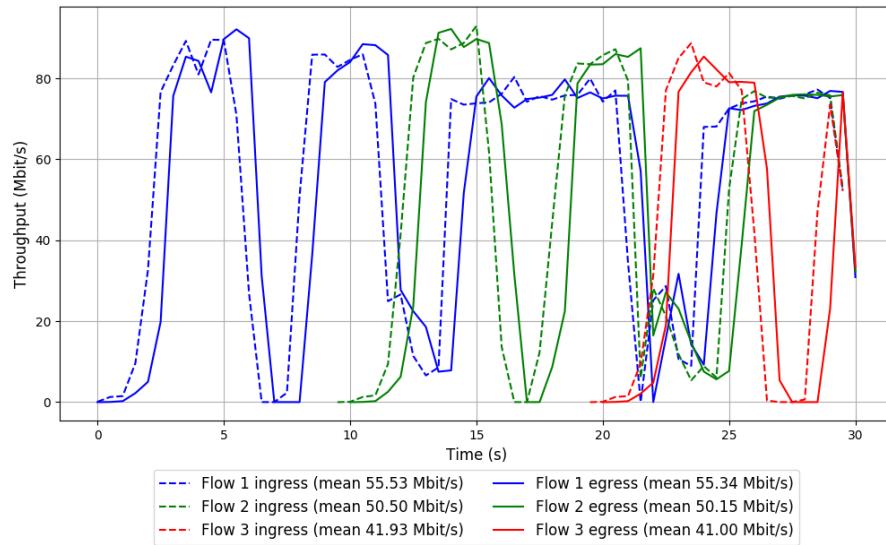


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-25 18:02:04
End at: 2018-05-25 18:02:34
Local clock offset: 0.12 ms
Remote clock offset: -0.567 ms

# Below is generated by plot.py at 2018-05-25 20:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 101.85 Mbit/s
95th percentile per-packet one-way delay: 136.299 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 55.34 Mbit/s
95th percentile per-packet one-way delay: 135.396 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 135.114 ms
Loss rate: 2.05%
-- Flow 3:
Average throughput: 41.00 Mbit/s
95th percentile per-packet one-way delay: 136.400 ms
Loss rate: 4.90%
```

Run 9: Report of QUIC Cubic — Data Link

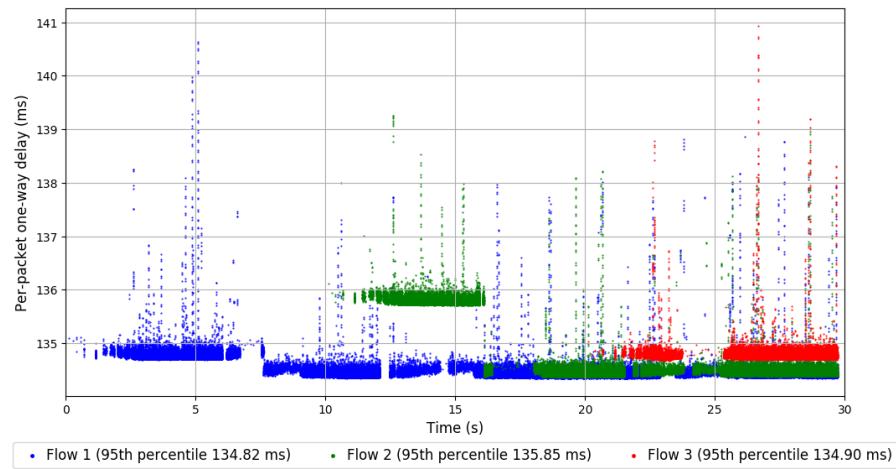
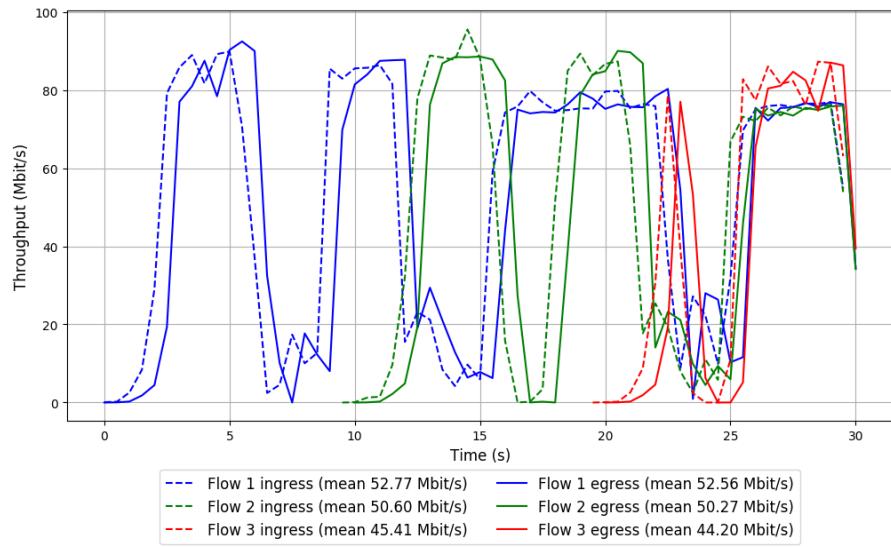


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-25 18:27:13
End at: 2018-05-25 18:27:43
Local clock offset: -0.013 ms
Remote clock offset: -0.215 ms

# Below is generated by plot.py at 2018-05-25 20:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.24 Mbit/s
95th percentile per-packet one-way delay: 135.786 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 52.56 Mbit/s
95th percentile per-packet one-way delay: 134.817 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 135.850 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 44.20 Mbit/s
95th percentile per-packet one-way delay: 134.895 ms
Loss rate: 5.34%
```

Run 10: Report of QUIC Cubic — Data Link

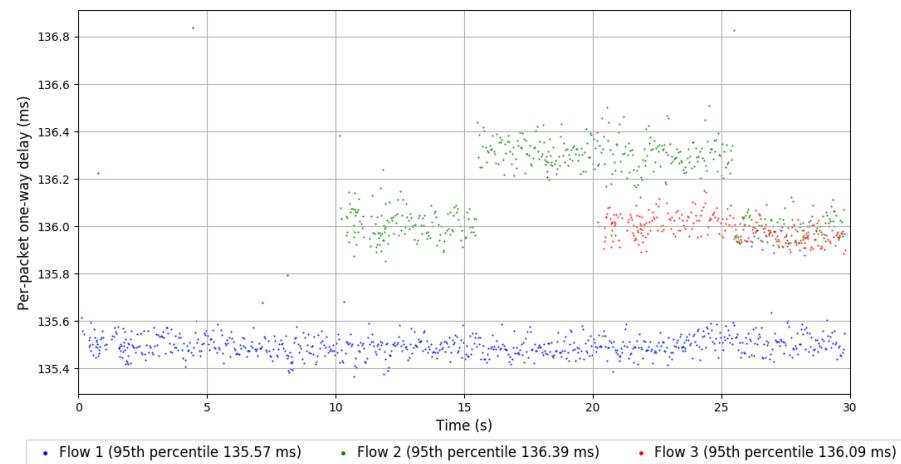
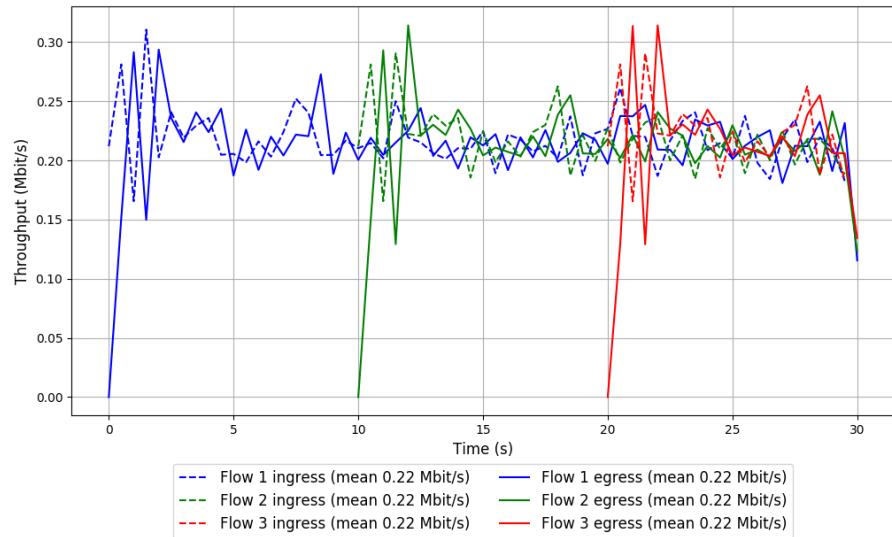


Run 1: Statistics of SCReAM

```
Start at: 2018-05-25 14:43:45
End at: 2018-05-25 14:44:15
Local clock offset: -0.005 ms
Remote clock offset: -0.266 ms

# Below is generated by plot.py at 2018-05-25 20:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.337 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.570 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.386 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.087 ms
Loss rate: 2.59%
```

Run 1: Report of SCReAM — Data Link

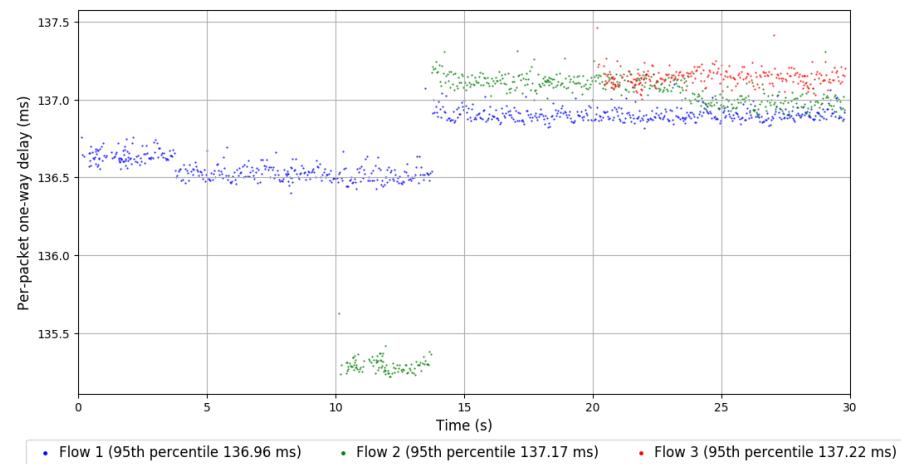
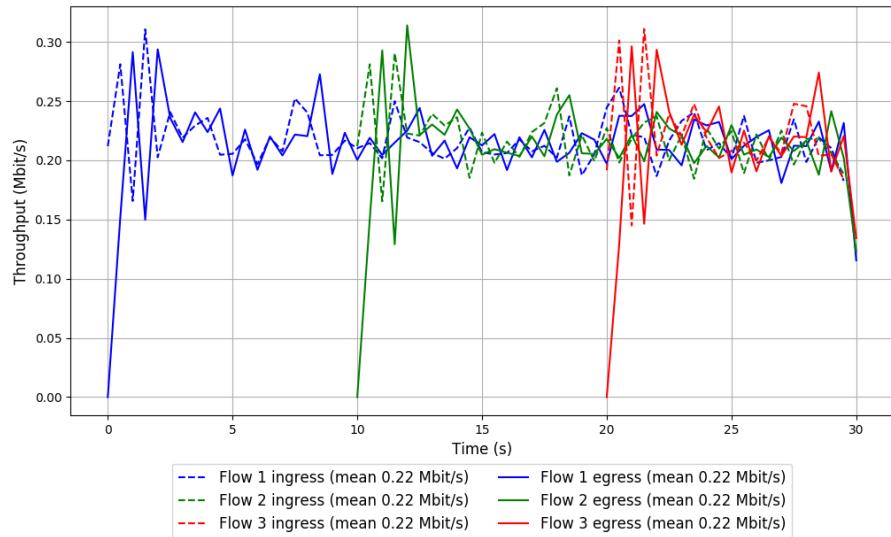


Run 2: Statistics of SCReAM

```
Start at: 2018-05-25 15:08:47
End at: 2018-05-25 15:09:17
Local clock offset: 0.248 ms
Remote clock offset: -0.64 ms

# Below is generated by plot.py at 2018-05-25 20:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.177 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.955 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.170 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.225 ms
Loss rate: 2.25%
```

Run 2: Report of SCReAM — Data Link

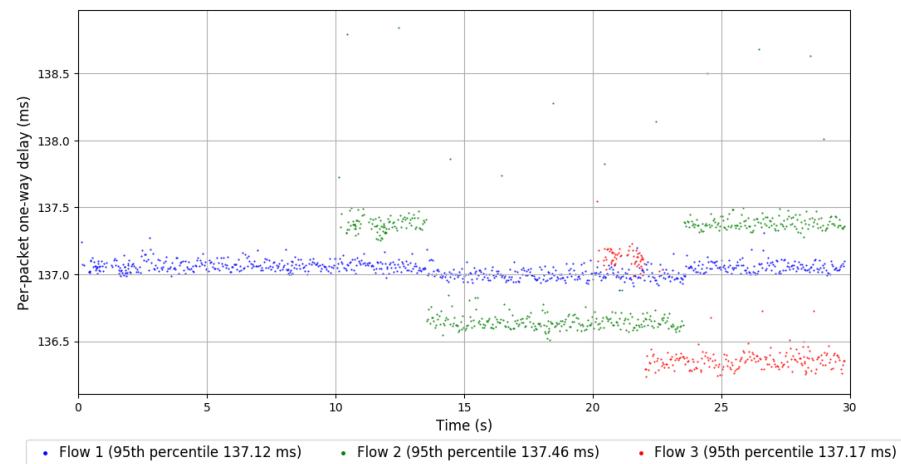
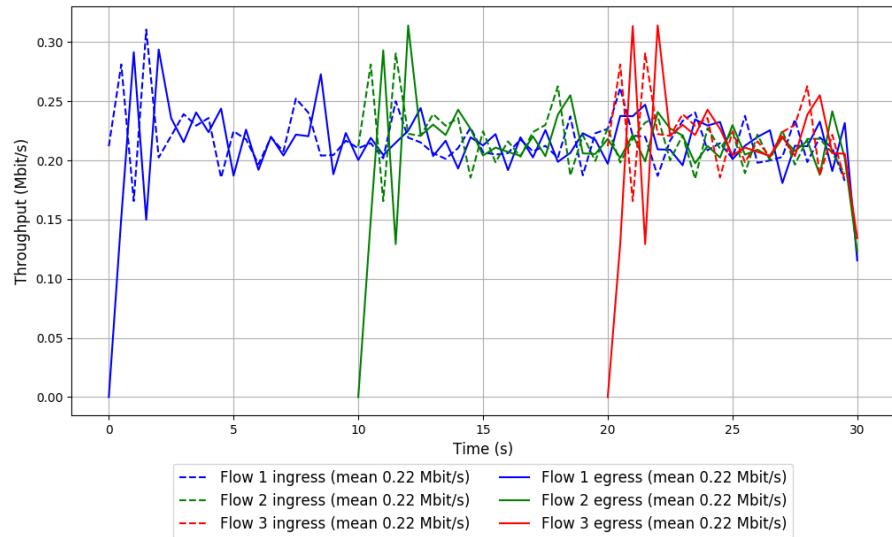


Run 3: Statistics of SCReAM

```
Start at: 2018-05-25 15:33:47
End at: 2018-05-25 15:34:17
Local clock offset: 0.391 ms
Remote clock offset: -0.64 ms

# Below is generated by plot.py at 2018-05-25 20:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.409 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.123 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.456 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.174 ms
Loss rate: 2.59%
```

Run 3: Report of SCReAM — Data Link

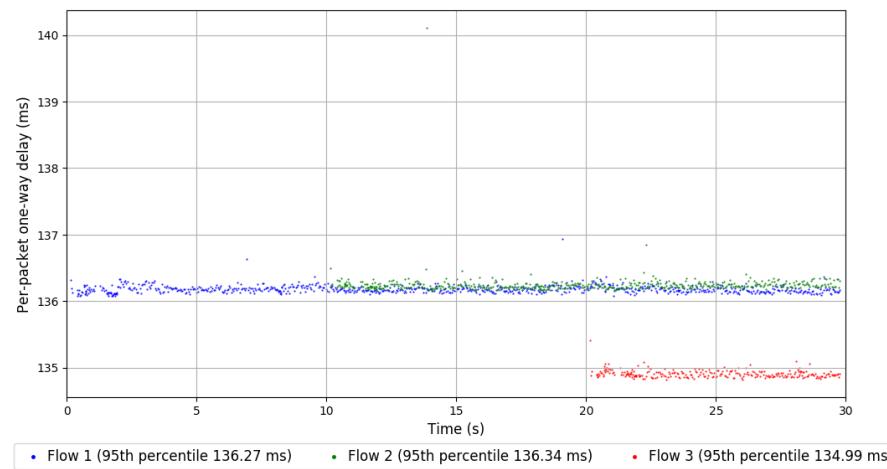
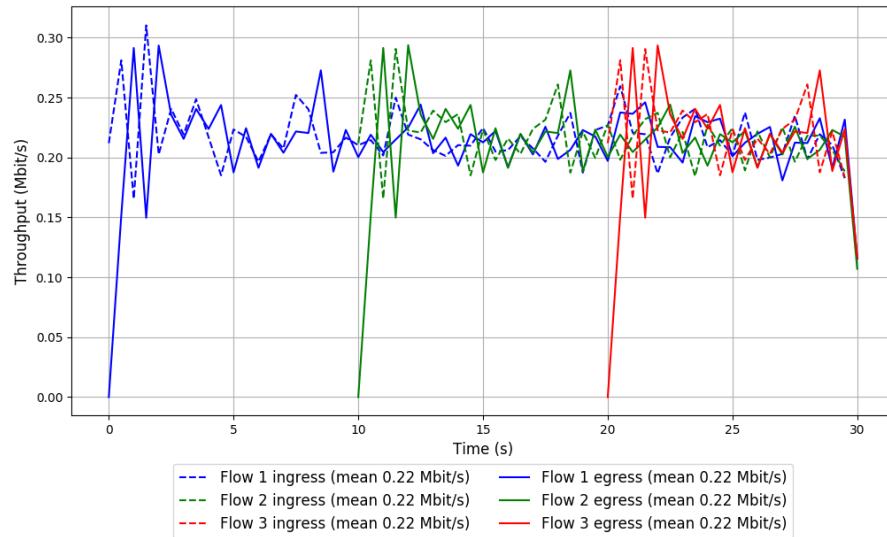


Run 4: Statistics of SCReAM

```
Start at: 2018-05-25 15:58:59
End at: 2018-05-25 15:59:29
Local clock offset: -0.025 ms
Remote clock offset: -0.222 ms

# Below is generated by plot.py at 2018-05-25 20:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.299 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.270 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.336 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.992 ms
Loss rate: 2.59%
```

Run 4: Report of SCReAM — Data Link

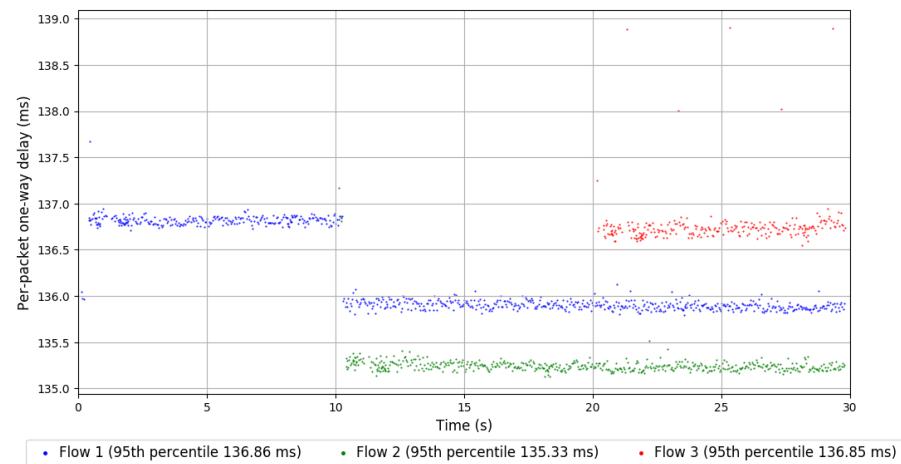
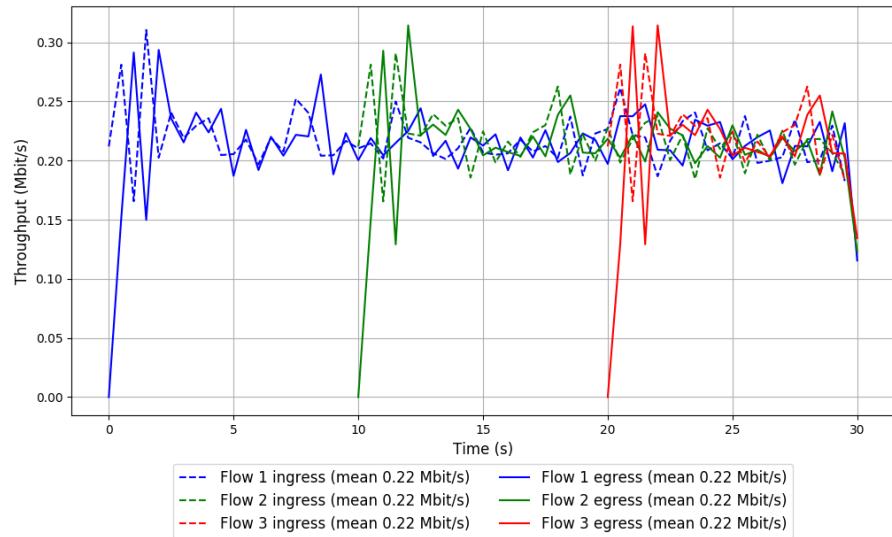


Run 5: Statistics of SCReAM

```
Start at: 2018-05-25 16:24:11
End at: 2018-05-25 16:24:41
Local clock offset: 0.078 ms
Remote clock offset: -0.622 ms

# Below is generated by plot.py at 2018-05-25 20:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.851 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.862 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.332 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.851 ms
Loss rate: 2.59%
```

Run 5: Report of SCReAM — Data Link

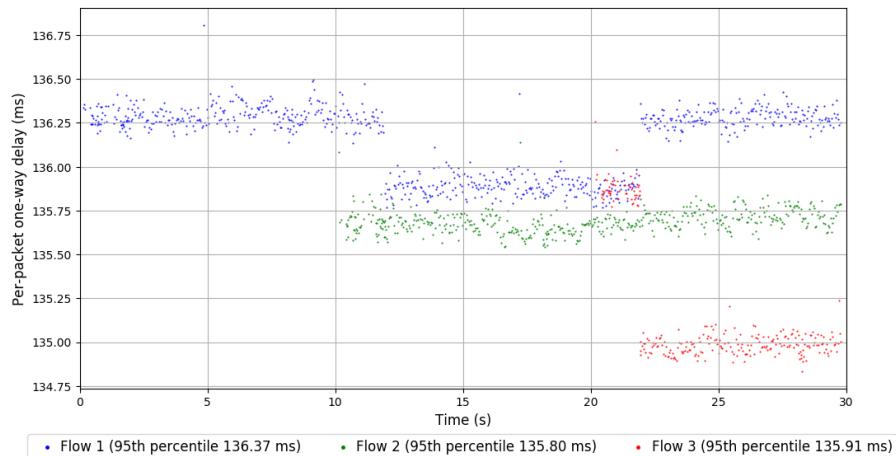
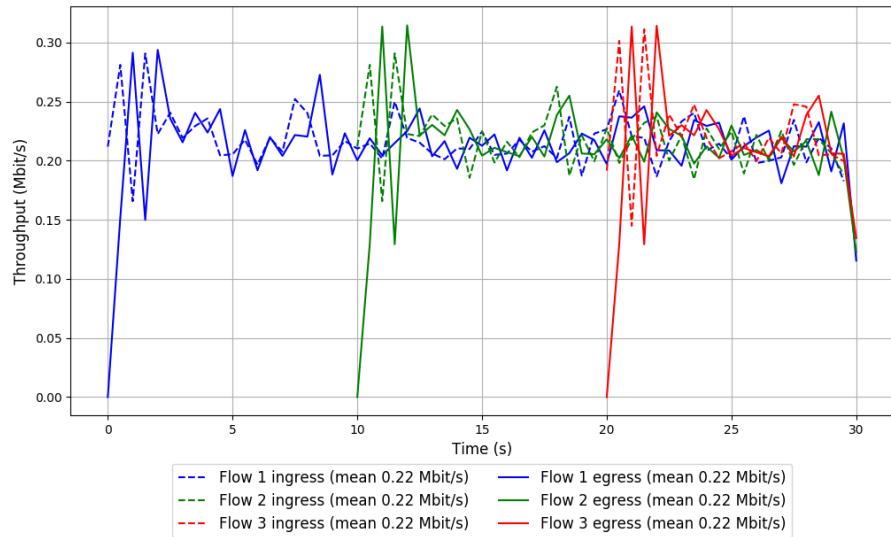


Run 6: Statistics of SCReAM

```
Start at: 2018-05-25 16:49:09
End at: 2018-05-25 16:49:39
Local clock offset: -0.129 ms
Remote clock offset: -0.193 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.344 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.372 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.796 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.905 ms
Loss rate: 2.59%
```

Run 6: Report of SCReAM — Data Link

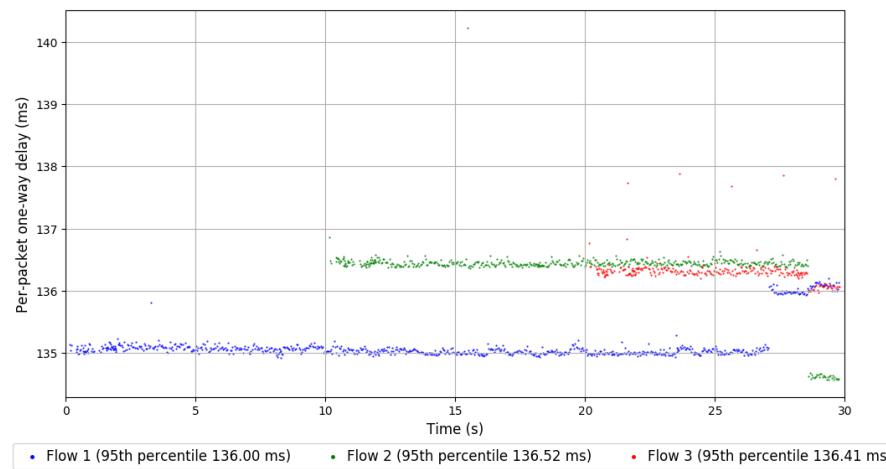
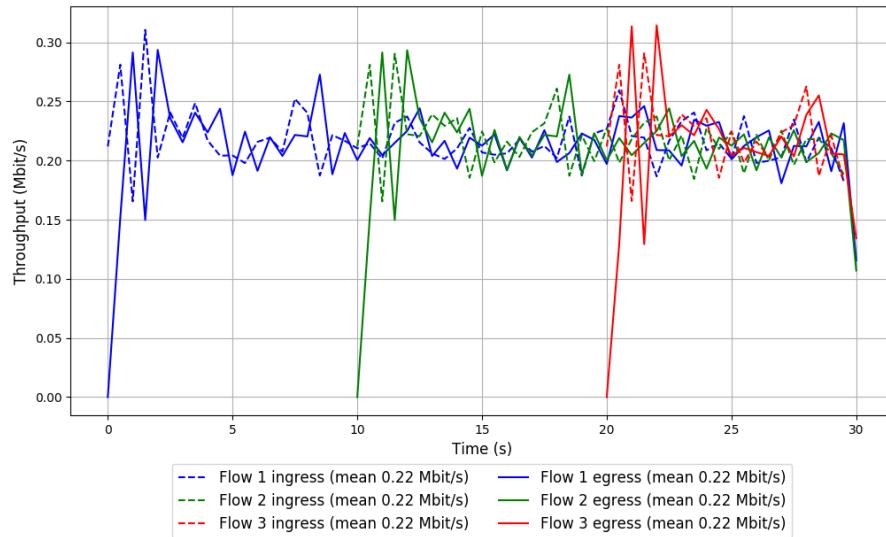


Run 7: Statistics of SCReAM

```
Start at: 2018-05-25 17:14:22
End at: 2018-05-25 17:14:52
Local clock offset: 0.057 ms
Remote clock offset: -0.182 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.495 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.000 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.518 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.411 ms
Loss rate: 2.59%
```

Run 7: Report of SCReAM — Data Link

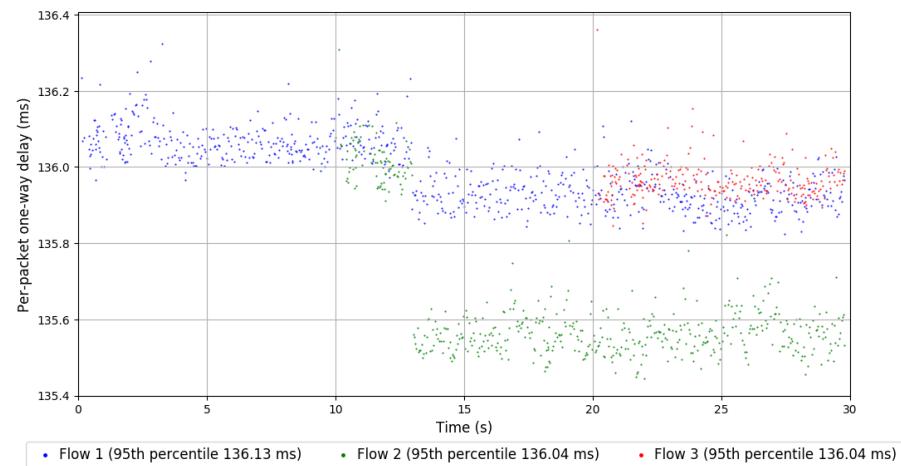
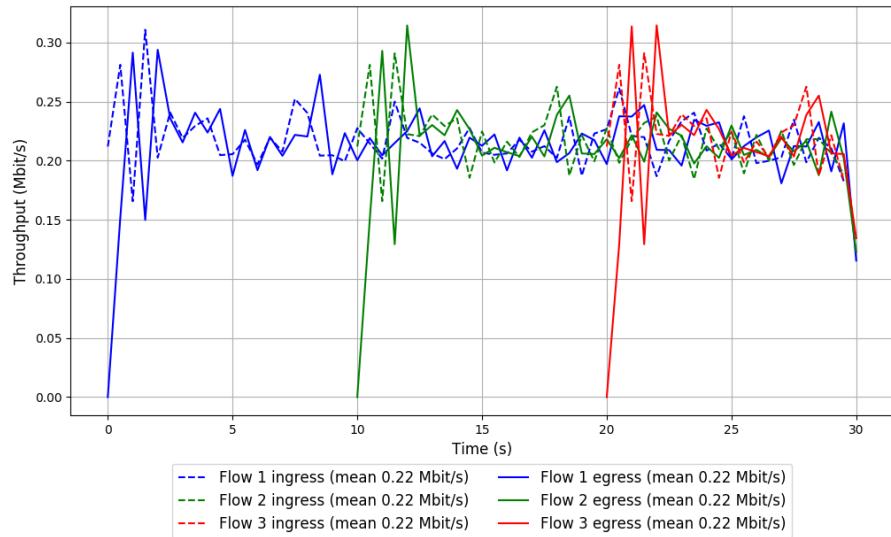


Run 8: Statistics of SCReAM

```
Start at: 2018-05-25 17:39:38
End at: 2018-05-25 17:40:08
Local clock offset: 0.14 ms
Remote clock offset: -0.173 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.106 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.127 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.041 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.036 ms
Loss rate: 2.59%
```

Run 8: Report of SCReAM — Data Link

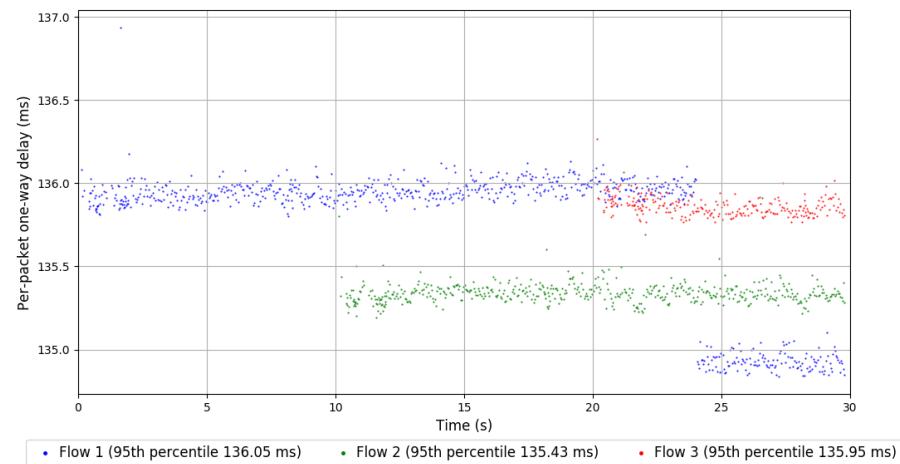
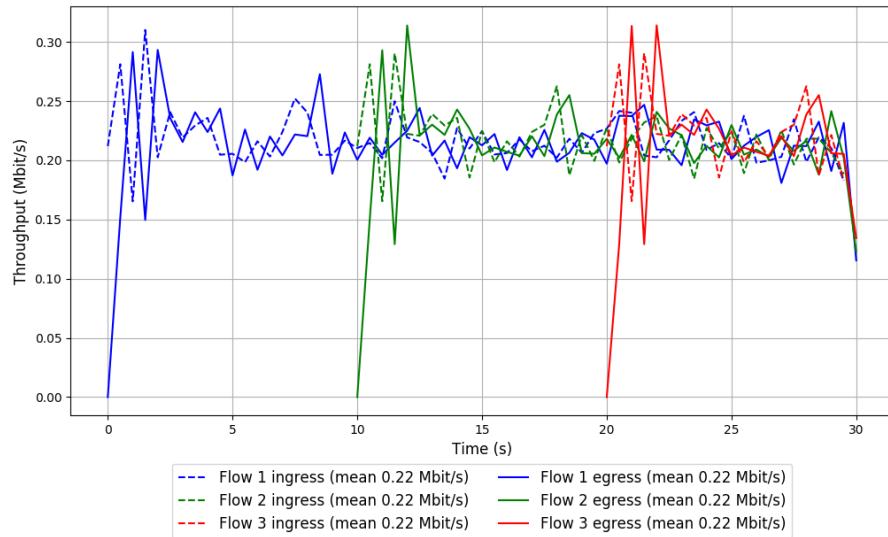


Run 9: Statistics of SCReAM

```
Start at: 2018-05-25 18:05:07
End at: 2018-05-25 18:05:37
Local clock offset: -0.121 ms
Remote clock offset: -0.206 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.024 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.046 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.430 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.953 ms
Loss rate: 2.59%
```

Run 9: Report of SCReAM — Data Link

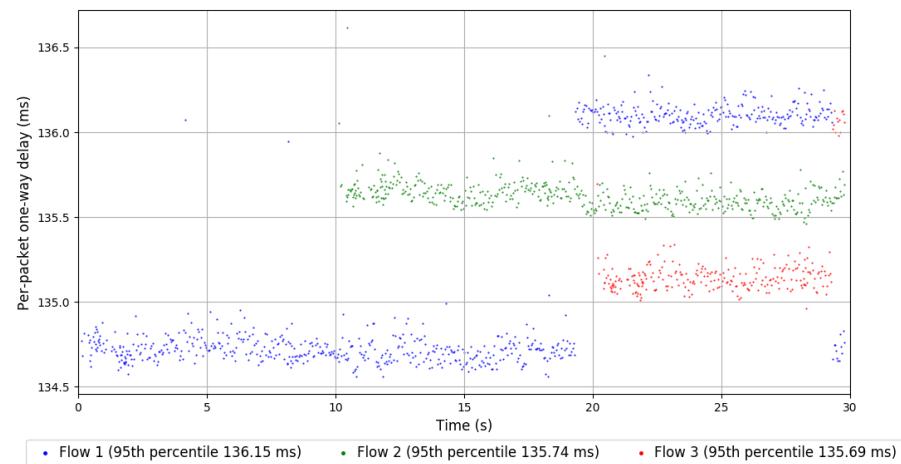
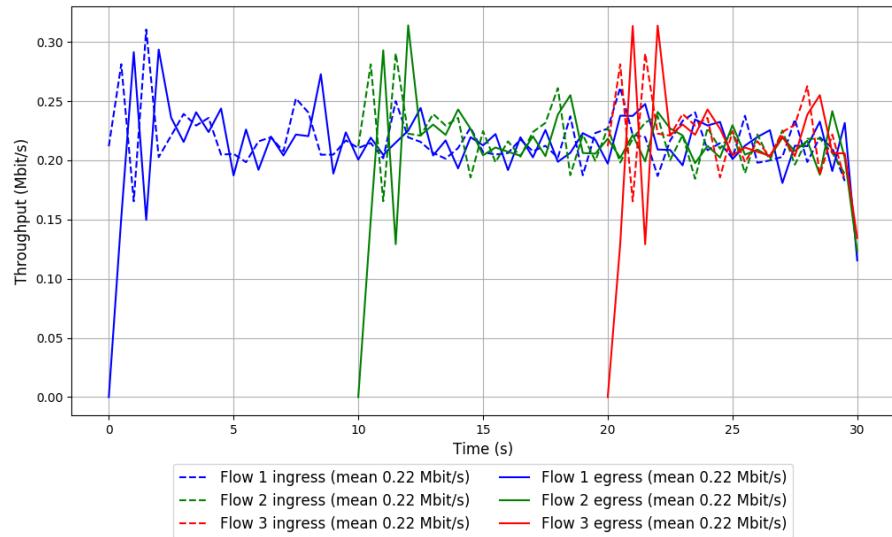


Run 10: Statistics of SCReAM

```
Start at: 2018-05-25 18:30:12
End at: 2018-05-25 18:30:42
Local clock offset: -0.293 ms
Remote clock offset: -0.209 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.128 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.153 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.742 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.695 ms
Loss rate: 2.59%
```

Run 10: Report of SCReAM — Data Link

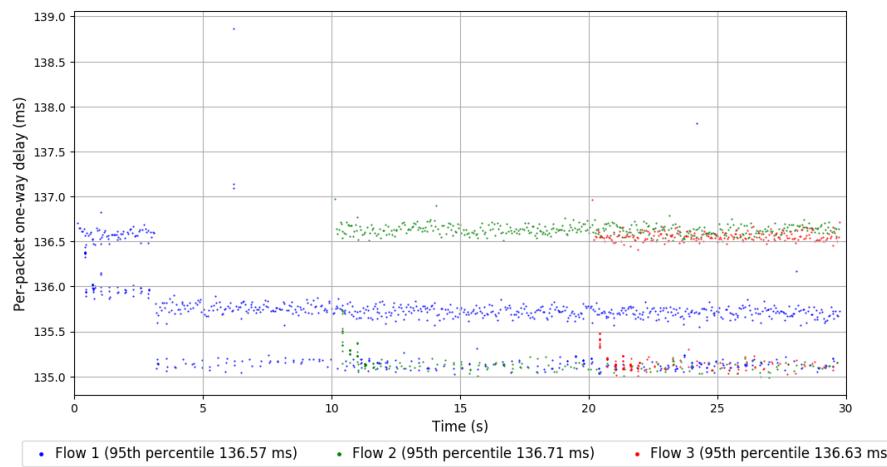
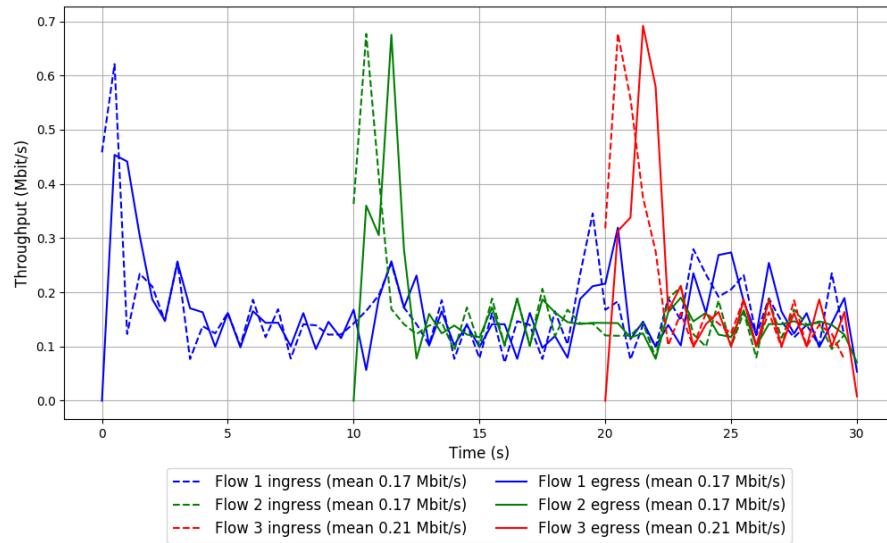


Run 1: Statistics of Sprout

```
Start at: 2018-05-25 14:51:18
End at: 2018-05-25 14:51:48
Local clock offset: 0.092 ms
Remote clock offset: -0.29 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.678 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.570 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.708 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 136.628 ms
Loss rate: 1.71%
```

Run 1: Report of Sprout — Data Link

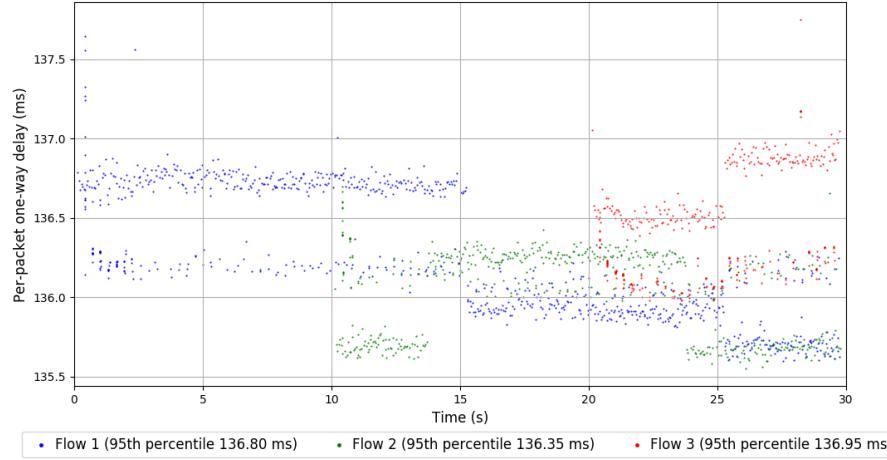
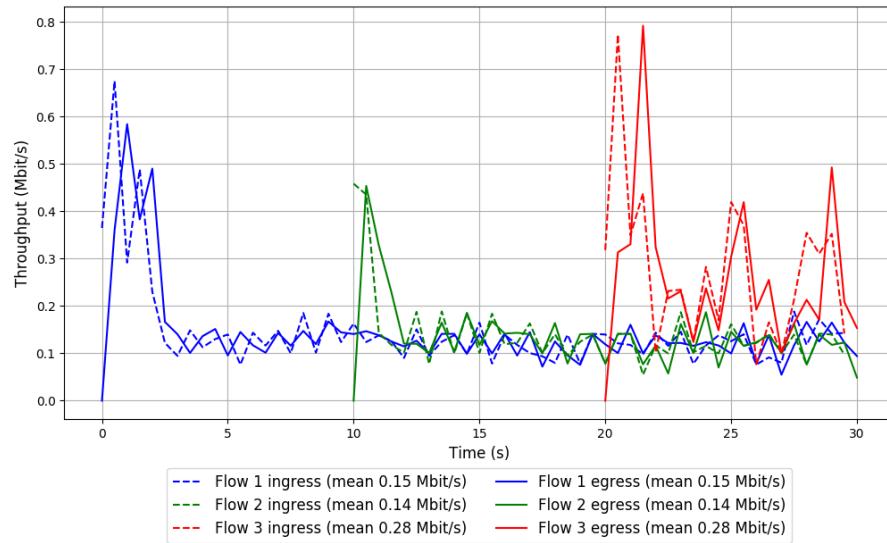


Run 2: Statistics of Sprout

```
Start at: 2018-05-25 15:16:16
End at: 2018-05-25 15:16:46
Local clock offset: 0.239 ms
Remote clock offset: -0.278 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.849 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.796 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.348 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 136.950 ms
Loss rate: 2.48%
```

Run 2: Report of Sprout — Data Link

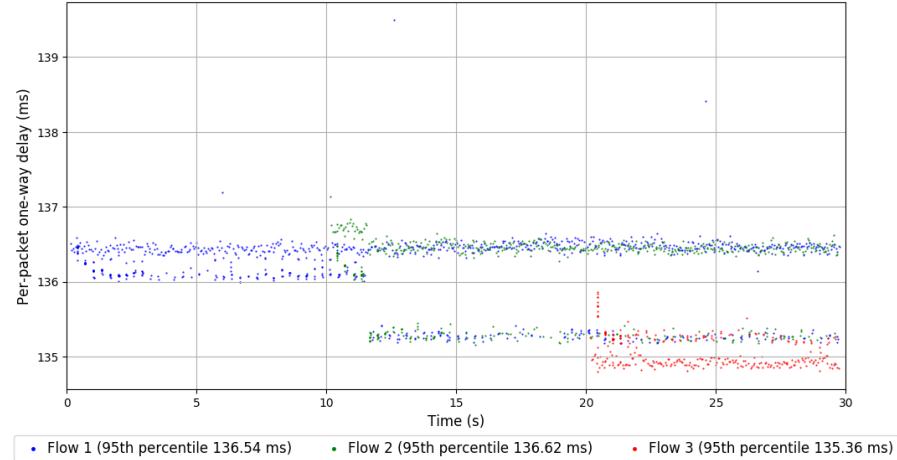
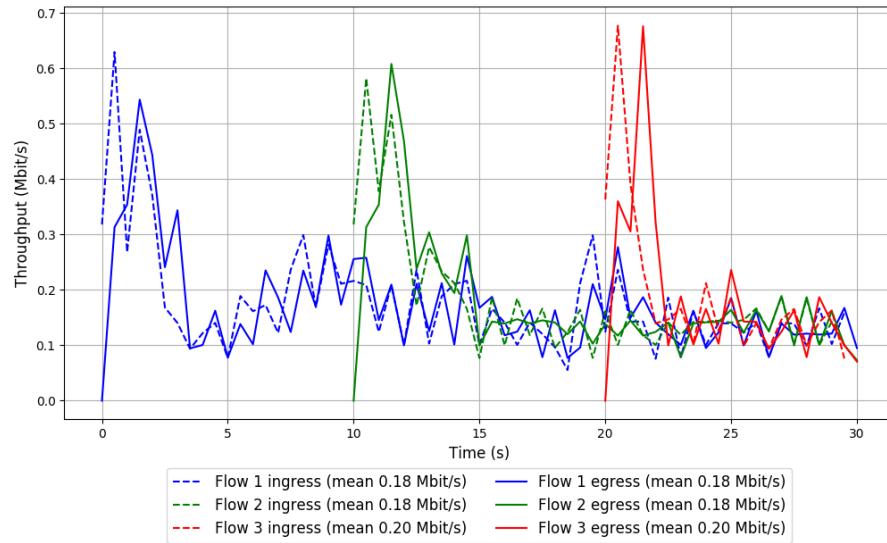


Run 3: Statistics of Sprout

```
Start at: 2018-05-25 15:41:29
End at: 2018-05-25 15:41:59
Local clock offset: 0.26 ms
Remote clock offset: -0.23 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.549 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.545 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.618 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 135.359 ms
Loss rate: 1.88%
```

Run 3: Report of Sprout — Data Link

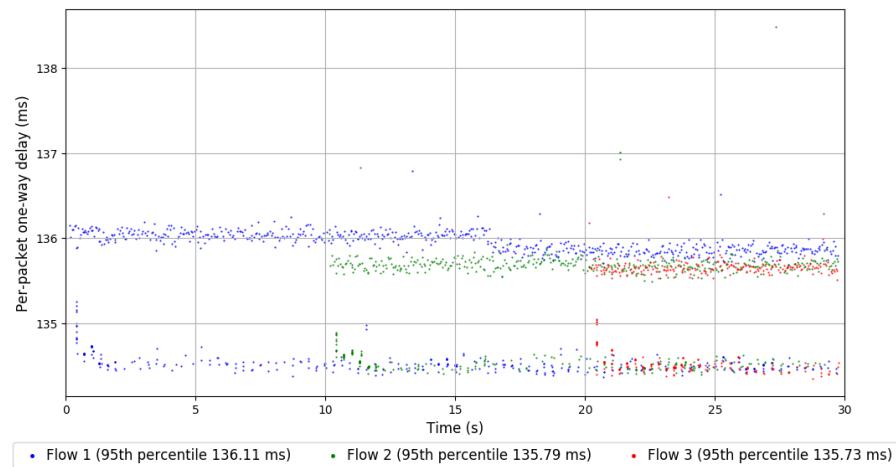
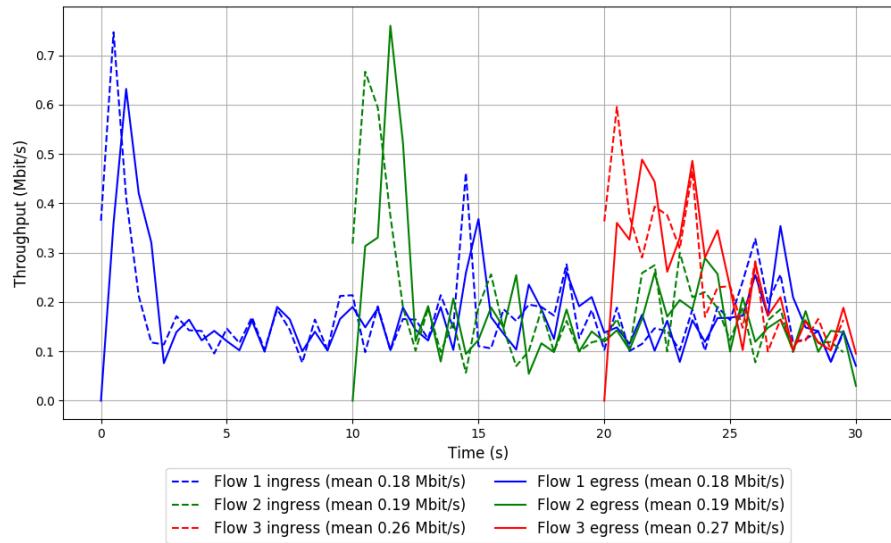


Run 4: Statistics of Sprout

```
Start at: 2018-05-25 16:06:45
End at: 2018-05-25 16:07:15
Local clock offset: -0.176 ms
Remote clock offset: 0.146 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 136.080 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.110 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 135.789 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 135.732 ms
Loss rate: 1.41%
```

Run 4: Report of Sprout — Data Link

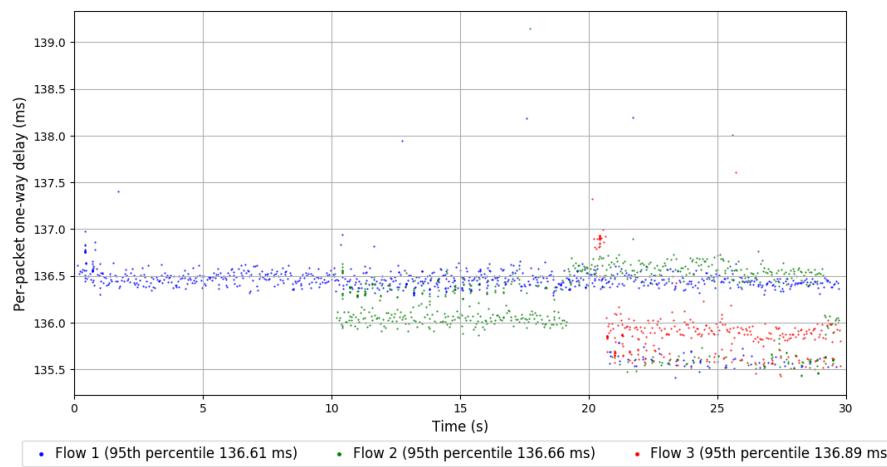
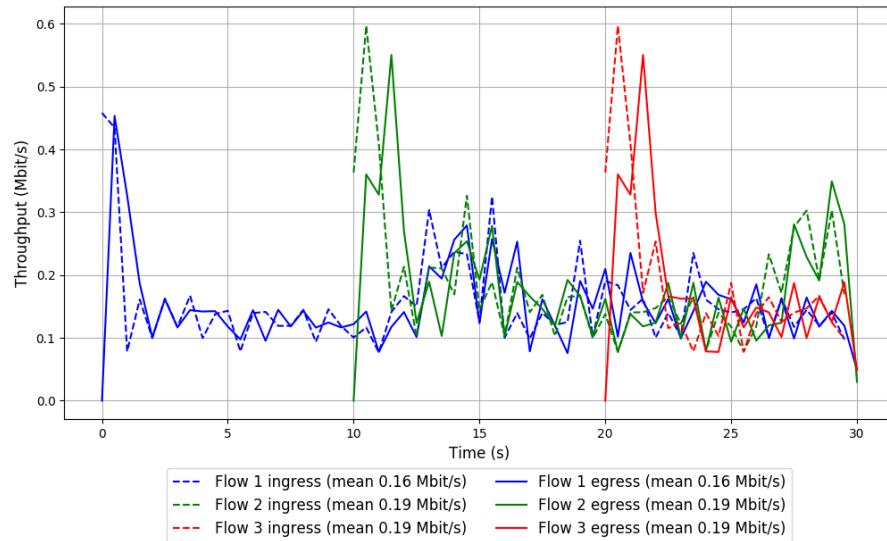


Run 5: Statistics of Sprout

```
Start at: 2018-05-25 16:31:40
End at: 2018-05-25 16:32:10
Local clock offset: 0.112 ms
Remote clock offset: -0.583 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 136.642 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.612 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.659 ms
Loss rate: 2.21%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.893 ms
Loss rate: 1.44%
```

Run 5: Report of Sprout — Data Link

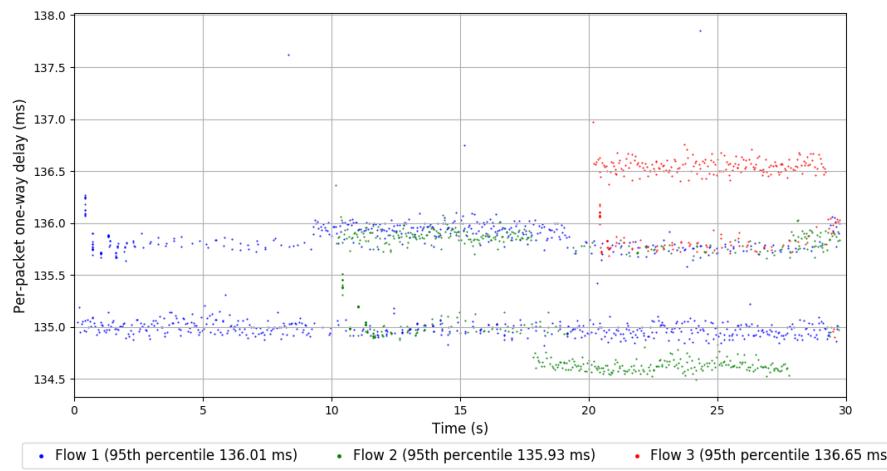
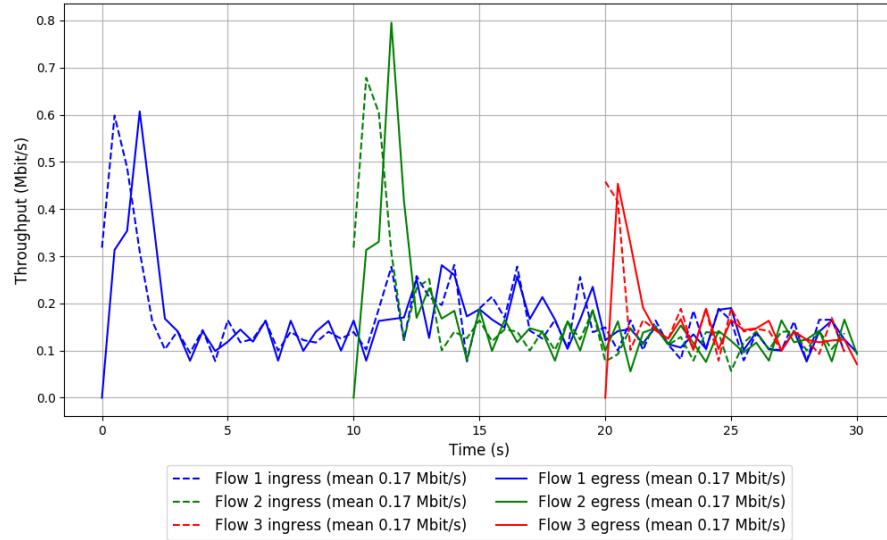


Run 6: Statistics of Sprout

```
Start at: 2018-05-25 16:56:52
End at: 2018-05-25 16:57:22
Local clock offset: 0.048 ms
Remote clock offset: -0.139 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.555 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.007 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 135.931 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.651 ms
Loss rate: 2.78%
```

Run 6: Report of Sprout — Data Link

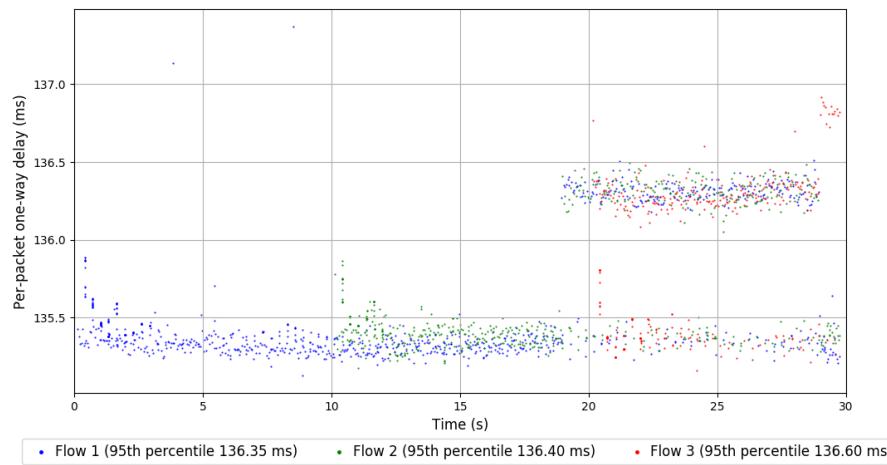
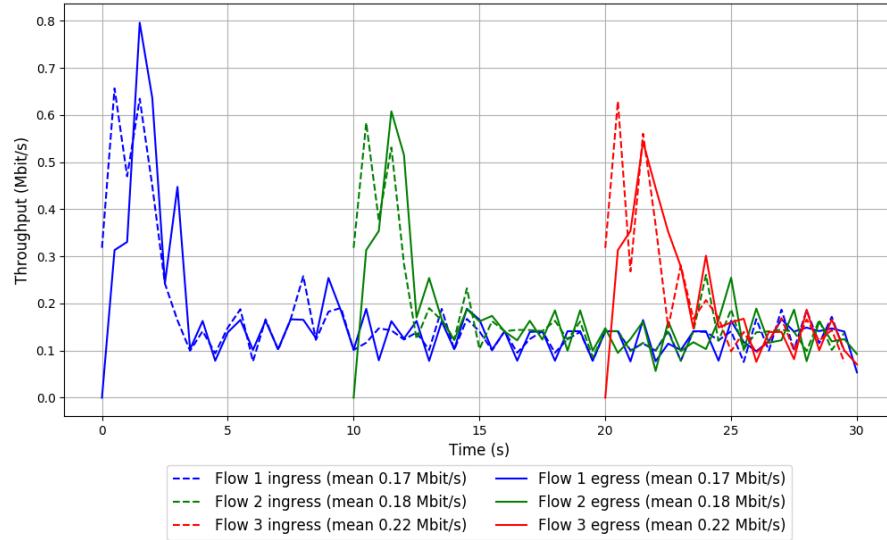


Run 7: Statistics of Sprout

```
Start at: 2018-05-25 17:22:02
End at: 2018-05-25 17:22:32
Local clock offset: 0.355 ms
Remote clock offset: -0.204 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.382 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.350 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.401 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.602 ms
Loss rate: 1.66%
```

Run 7: Report of Sprout — Data Link

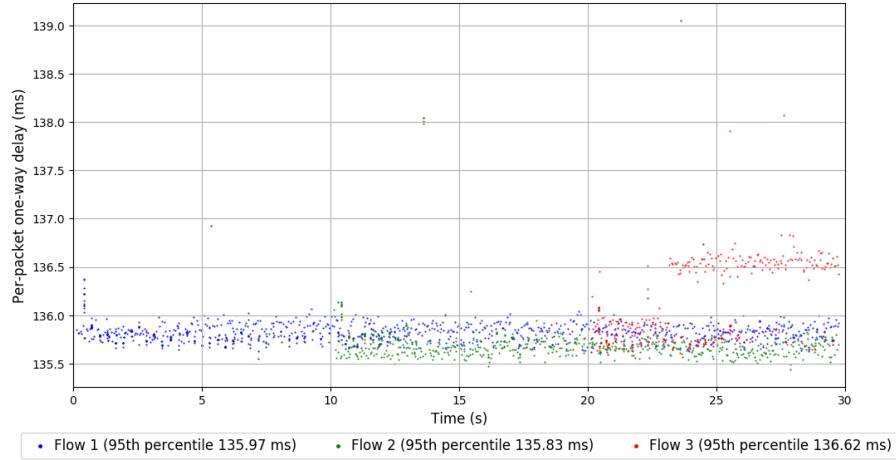
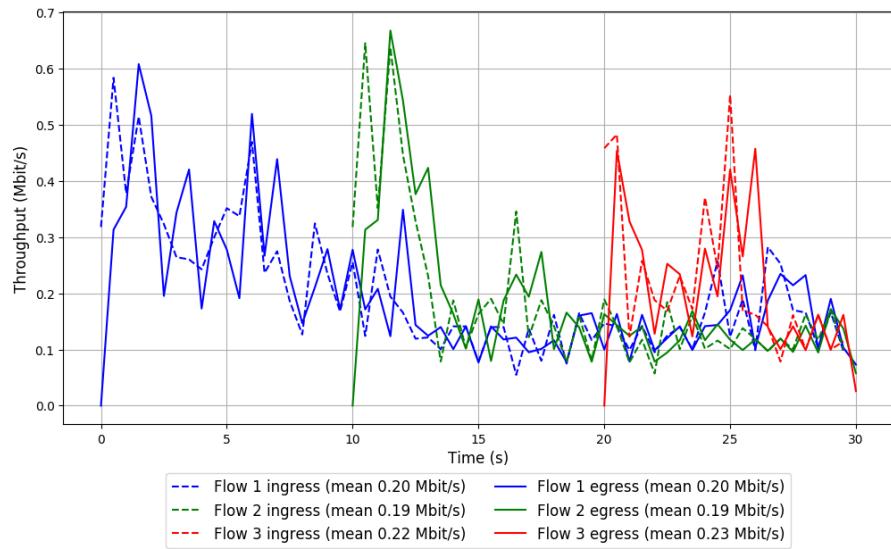


Run 8: Statistics of Sprout

```
Start at: 2018-05-25 17:47:26
End at: 2018-05-25 17:47:56
Local clock offset: -0.149 ms
Remote clock offset: -0.207 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 136.516 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 135.972 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 135.832 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 136.622 ms
Loss rate: 2.11%
```

Run 8: Report of Sprout — Data Link

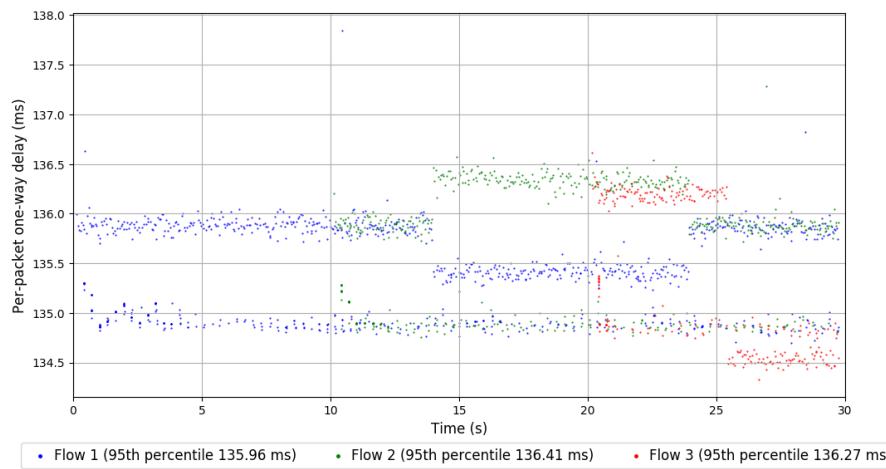
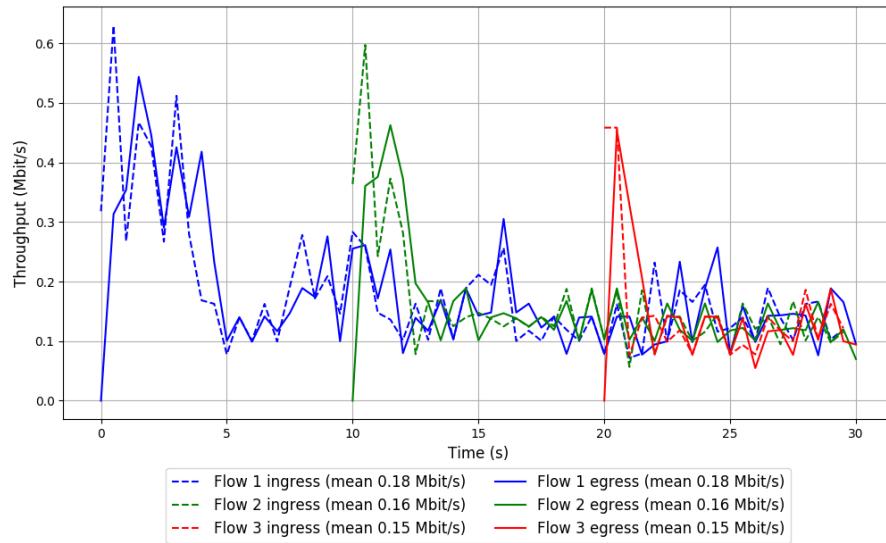


Run 9: Statistics of Sprout

```
Start at: 2018-05-25 18:12:45
End at: 2018-05-25 18:13:15
Local clock offset: -0.113 ms
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 136.351 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 135.961 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.414 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.272 ms
Loss rate: 3.13%
```

Run 9: Report of Sprout — Data Link

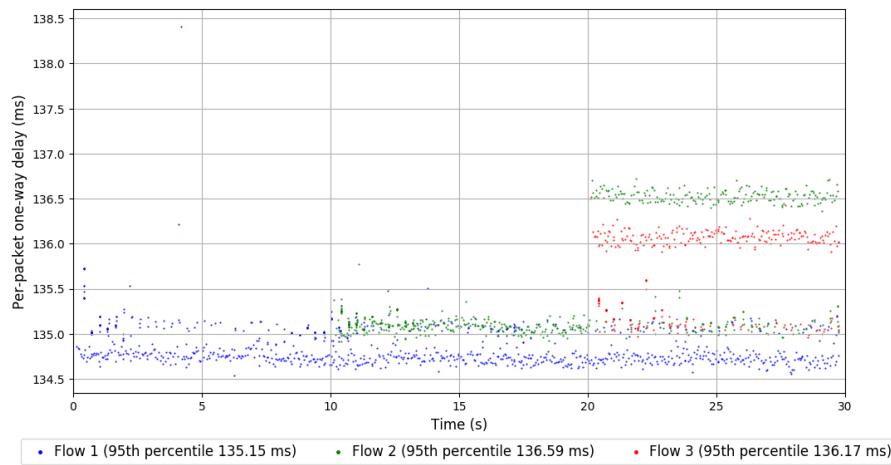
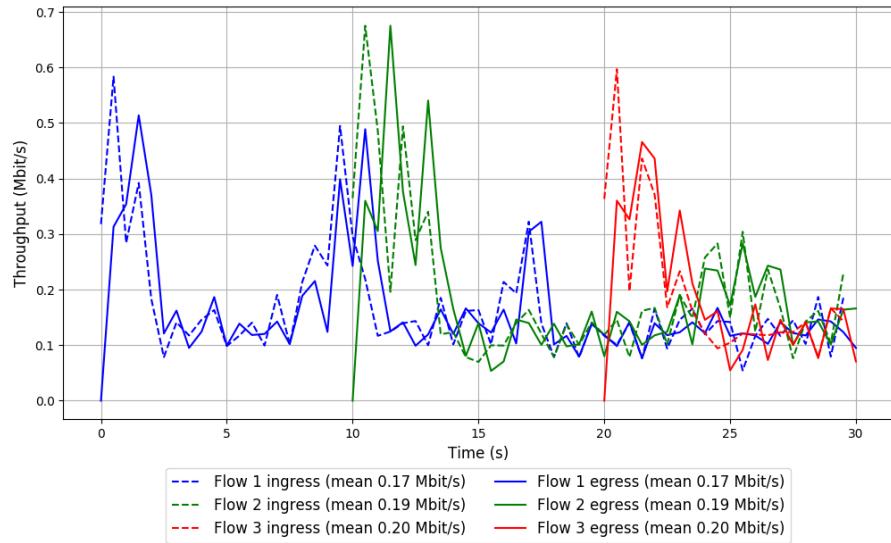


Run 10: Statistics of Sprout

```
Start at: 2018-05-25 18:38:01
End at: 2018-05-25 18:38:31
Local clock offset: 0.107 ms
Remote clock offset: -0.199 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.535 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 135.152 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.595 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.174 ms
Loss rate: 1.94%
```

Run 10: Report of Sprout — Data Link

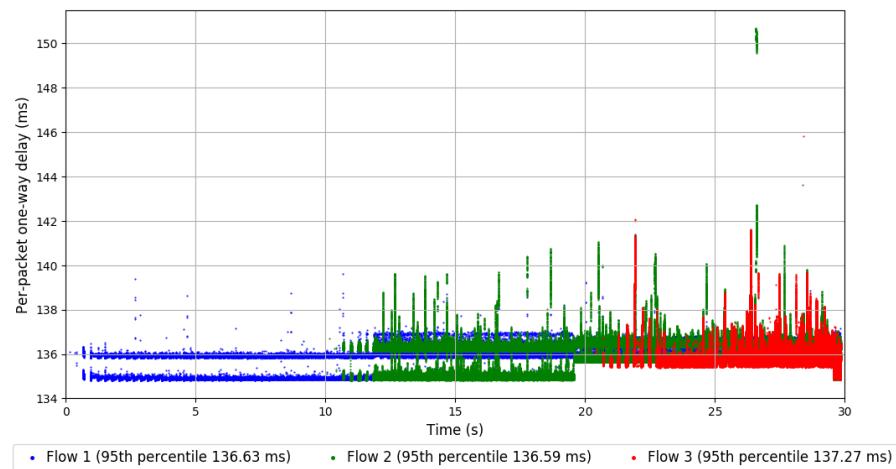
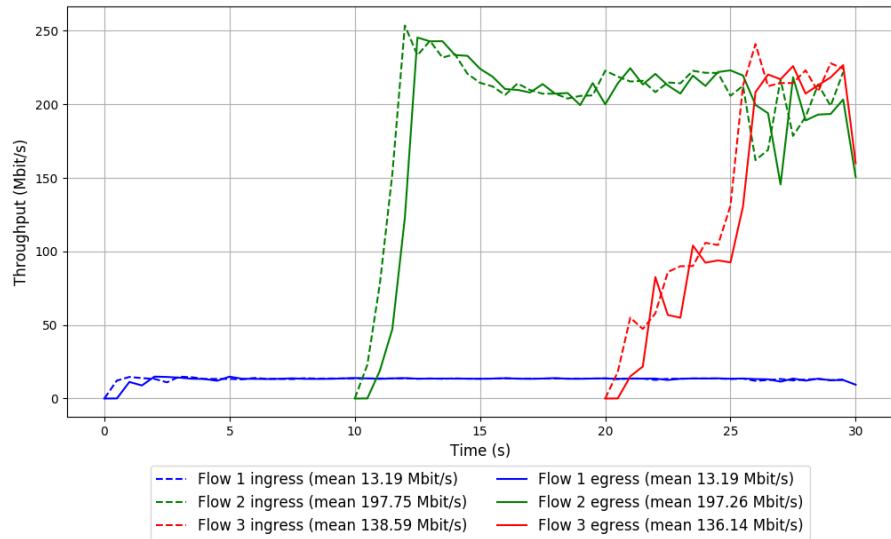


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-25 14:47:01
End at: 2018-05-25 14:47:31
Local clock offset: 0.055 ms
Remote clock offset: -0.244 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 188.48 Mbit/s
95th percentile per-packet one-way delay: 136.742 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 136.626 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 197.26 Mbit/s
95th percentile per-packet one-way delay: 136.594 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 136.14 Mbit/s
95th percentile per-packet one-way delay: 137.268 ms
Loss rate: 4.45%
```

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

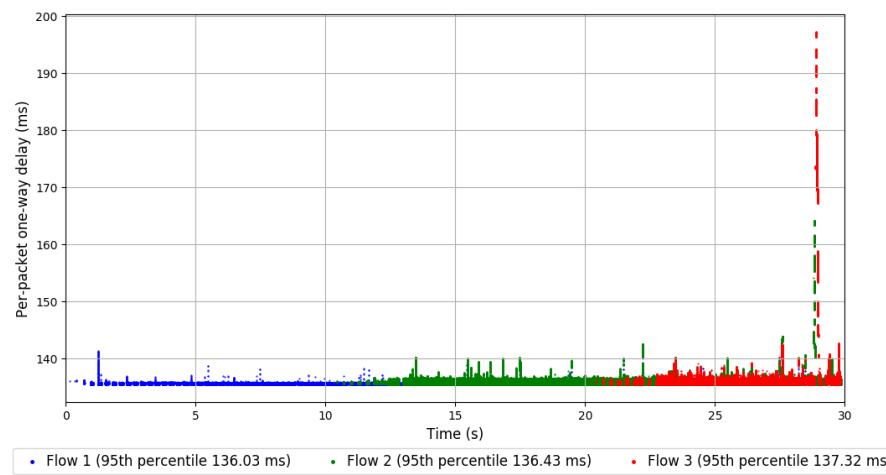
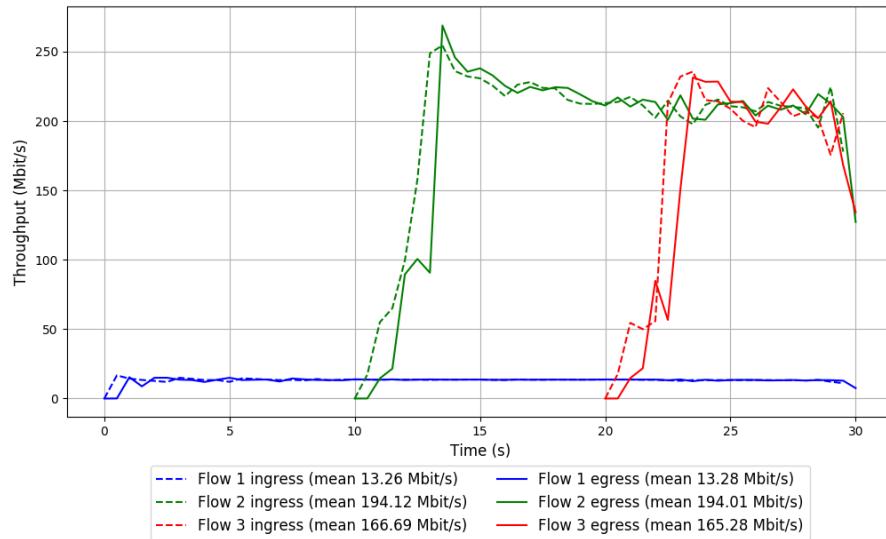


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-25 15:11:58
End at: 2018-05-25 15:12:28
Local clock offset: -0.104 ms
Remote clock offset: -0.255 ms

# Below is generated by plot.py at 2018-05-25 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 195.81 Mbit/s
95th percentile per-packet one-way delay: 136.617 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 13.28 Mbit/s
95th percentile per-packet one-way delay: 136.027 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 194.01 Mbit/s
95th percentile per-packet one-way delay: 136.426 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 165.28 Mbit/s
95th percentile per-packet one-way delay: 137.323 ms
Loss rate: 3.60%
```

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

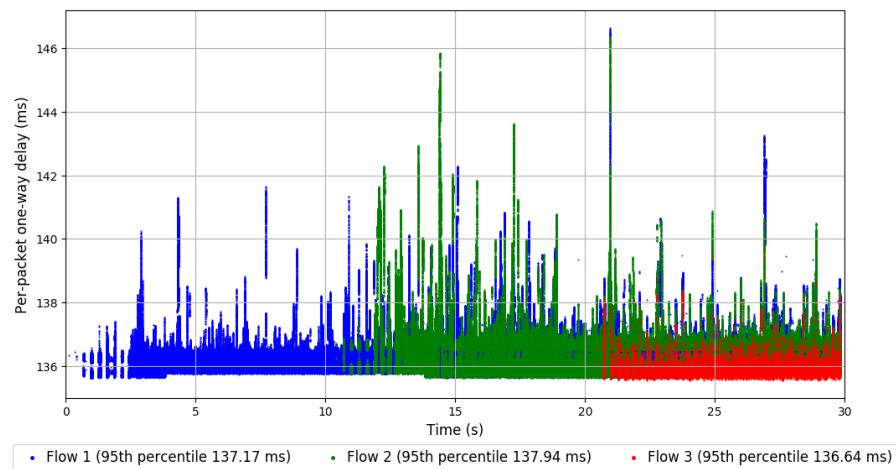
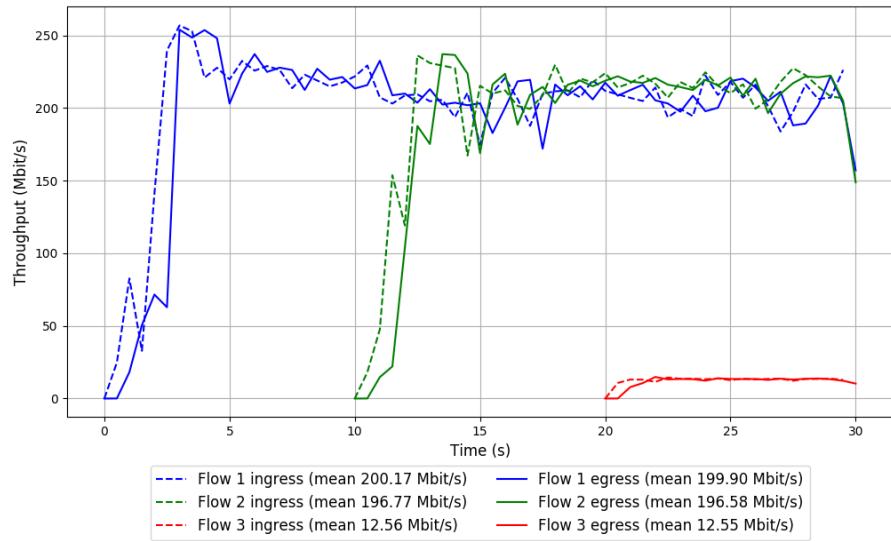


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-25 15:36:57
End at: 2018-05-25 15:37:27
Local clock offset: 0.143 ms
Remote clock offset: -0.241 ms

# Below is generated by plot.py at 2018-05-25 20:43:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 334.32 Mbit/s
95th percentile per-packet one-way delay: 137.409 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 199.90 Mbit/s
95th percentile per-packet one-way delay: 137.173 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 196.58 Mbit/s
95th percentile per-packet one-way delay: 137.945 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 12.55 Mbit/s
95th percentile per-packet one-way delay: 136.642 ms
Loss rate: 2.81%
```

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

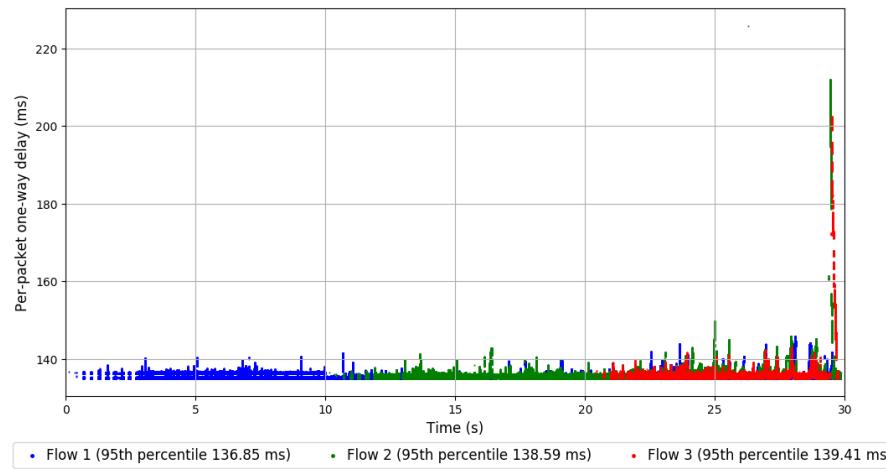
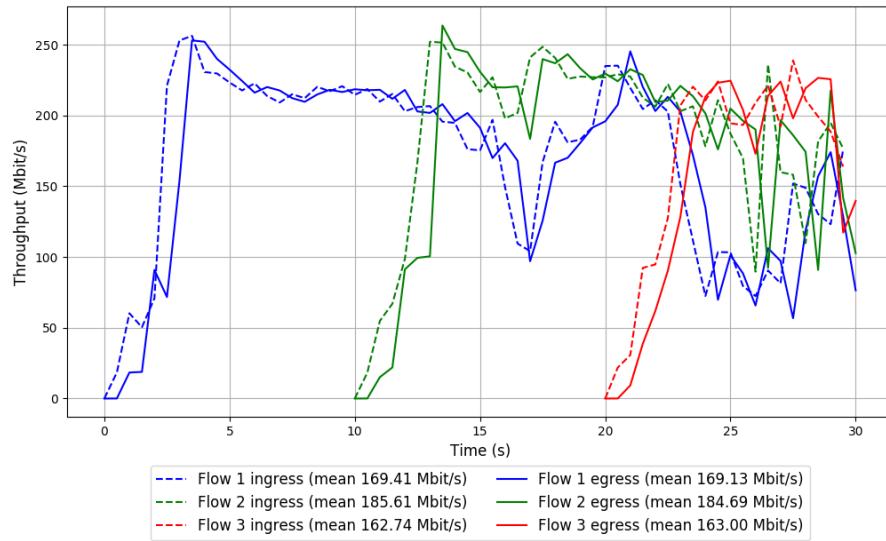


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-25 16:02:11
End at: 2018-05-25 16:02:41
Local clock offset: 0.27 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2018-05-25 20:44:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 344.06 Mbit/s
95th percentile per-packet one-way delay: 137.837 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 169.13 Mbit/s
95th percentile per-packet one-way delay: 136.853 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 184.69 Mbit/s
95th percentile per-packet one-way delay: 138.589 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 163.00 Mbit/s
95th percentile per-packet one-way delay: 139.414 ms
Loss rate: 3.76%
```

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

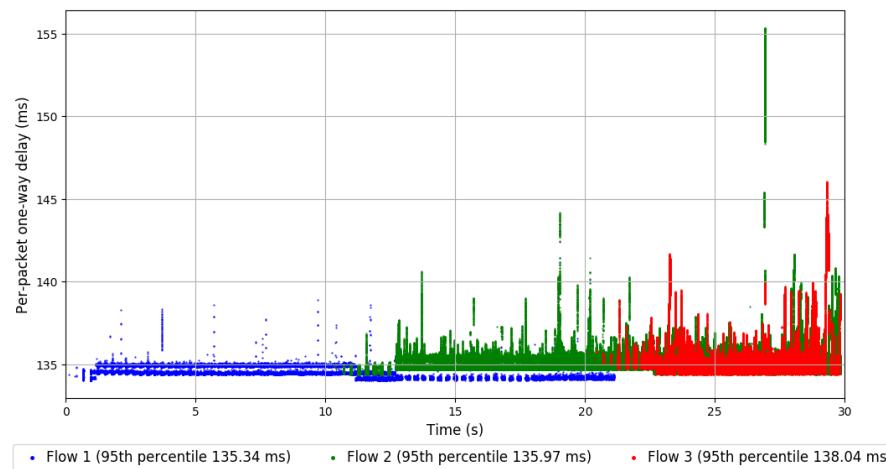
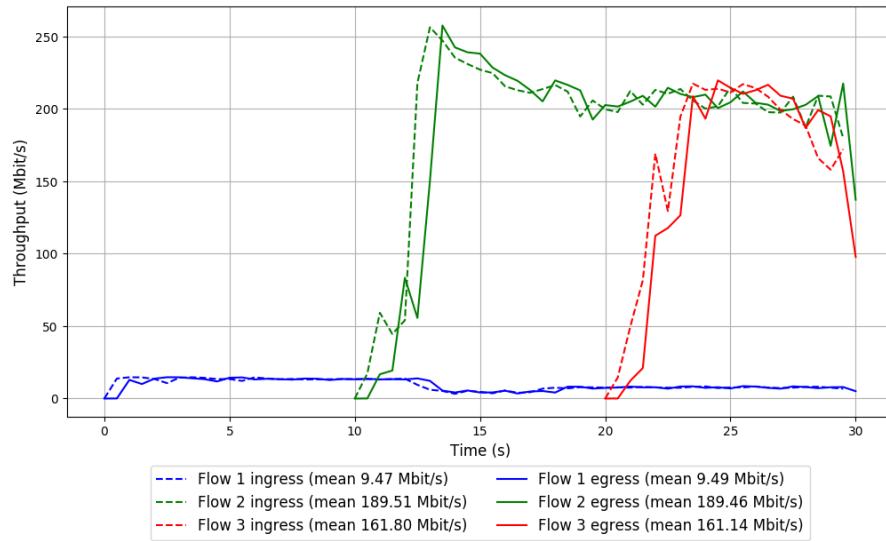


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-25 16:27:18
End at: 2018-05-25 16:27:48
Local clock offset: -0.482 ms
Remote clock offset: -0.226 ms

# Below is generated by plot.py at 2018-05-25 20:44:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 187.60 Mbit/s
95th percentile per-packet one-way delay: 136.395 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 9.49 Mbit/s
95th percentile per-packet one-way delay: 135.336 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 189.46 Mbit/s
95th percentile per-packet one-way delay: 135.970 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 161.14 Mbit/s
95th percentile per-packet one-way delay: 138.045 ms
Loss rate: 2.93%
```

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

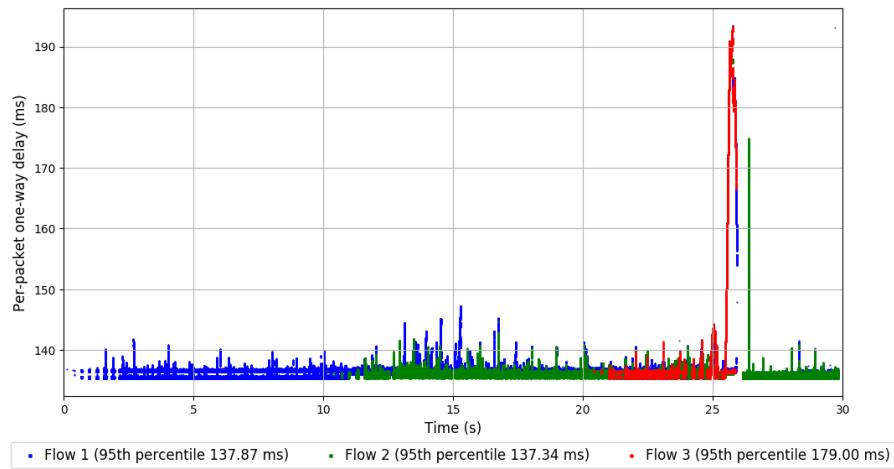
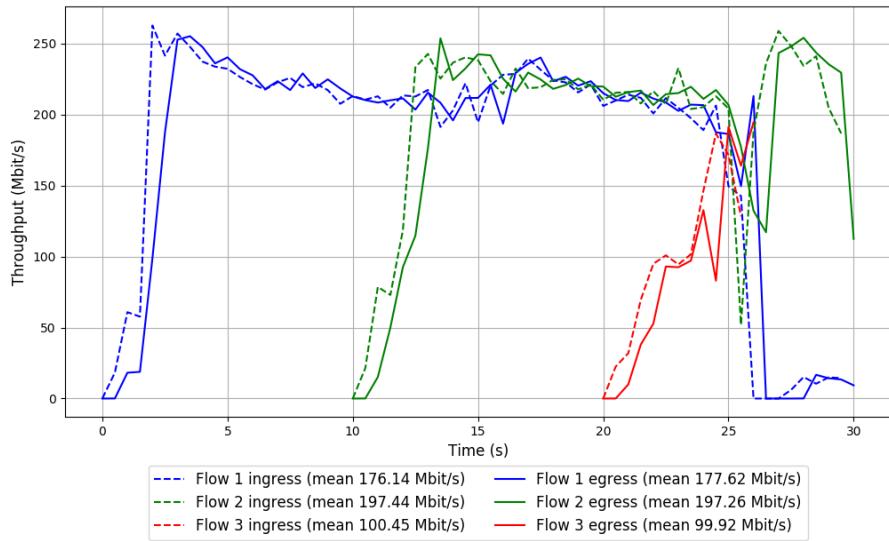


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-25 16:52:20
End at: 2018-05-25 16:52:50
Local clock offset: 0.081 ms
Remote clock offset: -0.581 ms

# Below is generated by plot.py at 2018-05-25 20:44:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 327.77 Mbit/s
95th percentile per-packet one-way delay: 137.941 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 177.62 Mbit/s
95th percentile per-packet one-way delay: 137.873 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 197.26 Mbit/s
95th percentile per-packet one-way delay: 137.338 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 99.92 Mbit/s
95th percentile per-packet one-way delay: 178.997 ms
Loss rate: 0.00%
```

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

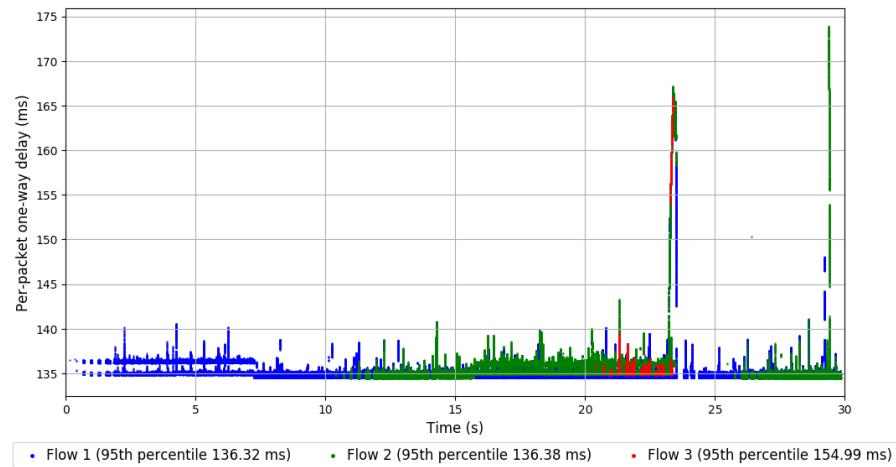
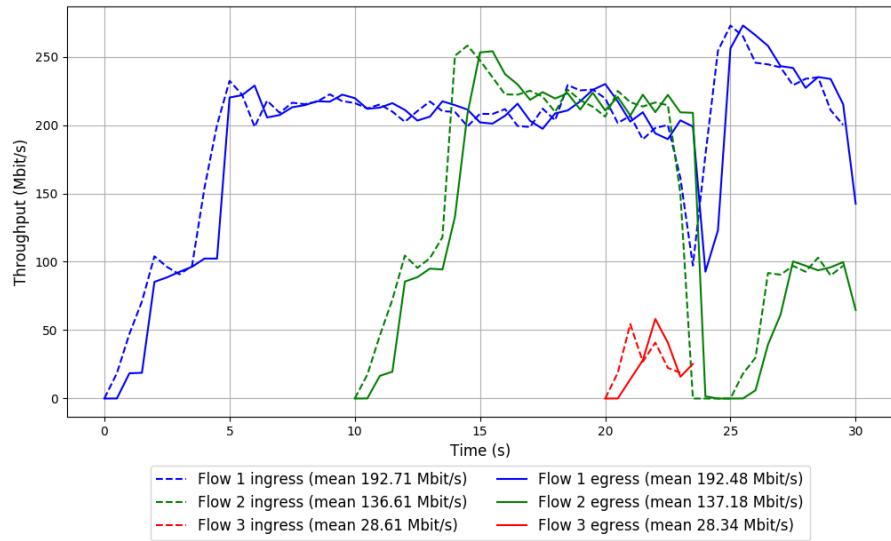


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-25 17:17:34
End at: 2018-05-25 17:18:04
Local clock offset: -0.257 ms
Remote clock offset: -0.563 ms

# Below is generated by plot.py at 2018-05-25 20:47:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 286.50 Mbit/s
95th percentile per-packet one-way delay: 136.327 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 192.48 Mbit/s
95th percentile per-packet one-way delay: 136.321 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 137.18 Mbit/s
95th percentile per-packet one-way delay: 136.376 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 28.34 Mbit/s
95th percentile per-packet one-way delay: 154.990 ms
Loss rate: 0.00%
```

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

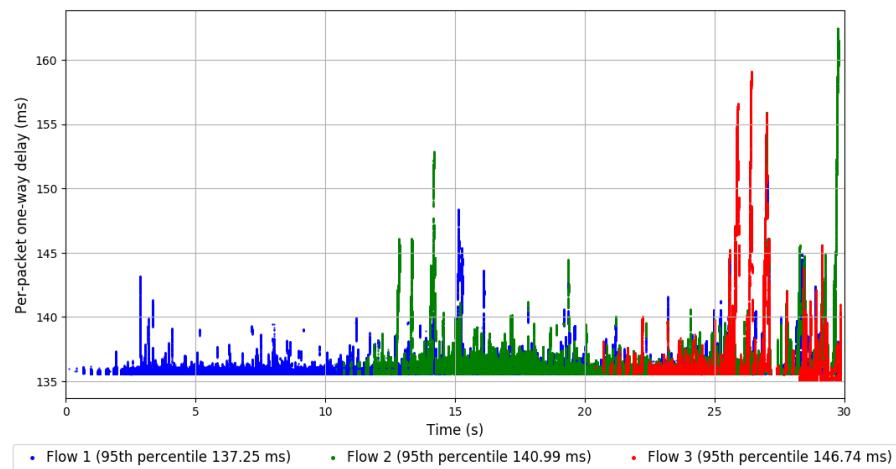
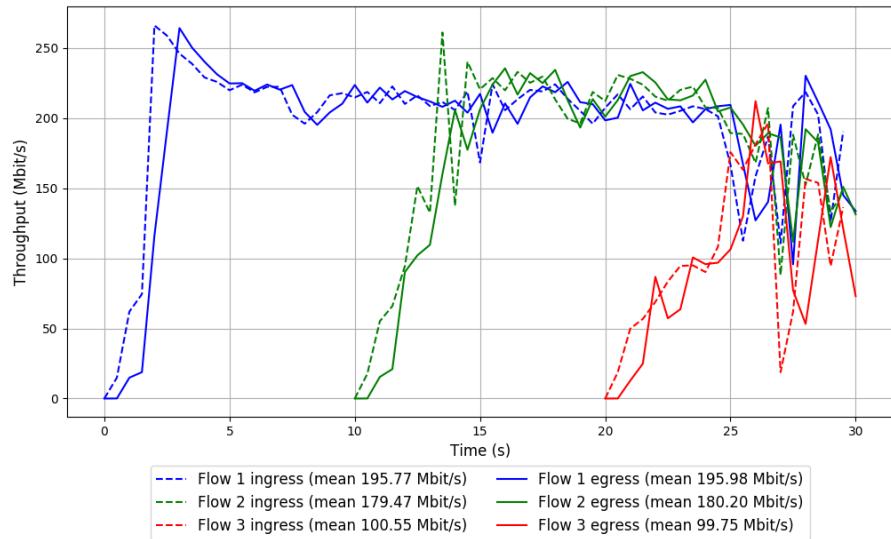


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-25 17:42:53
End at: 2018-05-25 17:43:23
Local clock offset: -0.111 ms
Remote clock offset: -0.26 ms

# Below is generated by plot.py at 2018-05-25 20:50:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.00 Mbit/s
95th percentile per-packet one-way delay: 139.191 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 195.98 Mbit/s
95th percentile per-packet one-way delay: 137.245 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 180.20 Mbit/s
95th percentile per-packet one-way delay: 140.992 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 99.75 Mbit/s
95th percentile per-packet one-way delay: 146.739 ms
Loss rate: 3.52%
```

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

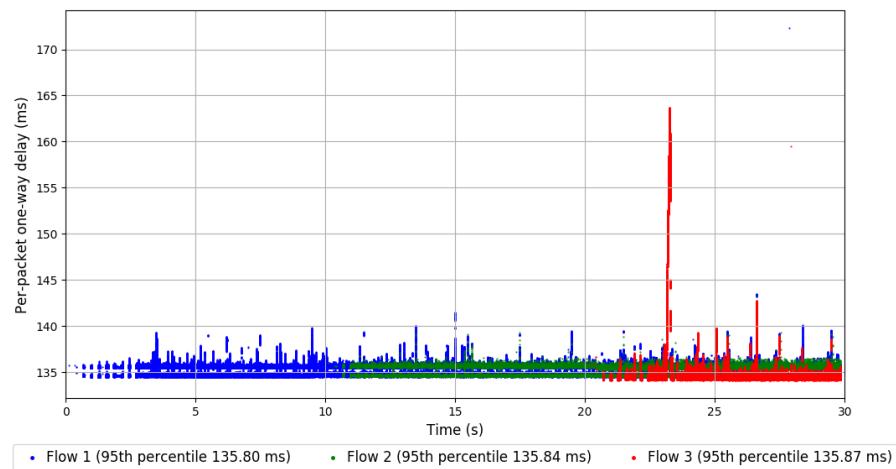
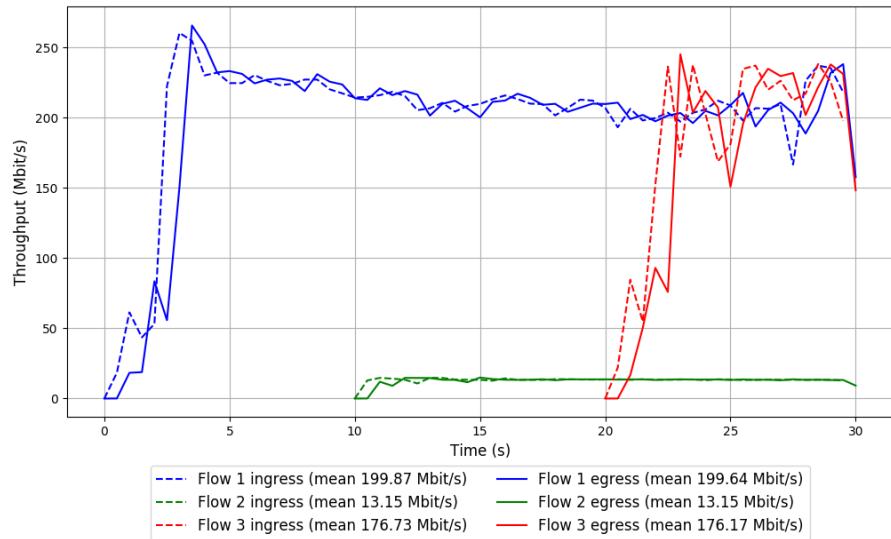


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-25 18:08:20
End at: 2018-05-25 18:08:50
Local clock offset: 0.118 ms
Remote clock offset: 0.197 ms

# Below is generated by plot.py at 2018-05-25 20:50:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 265.88 Mbit/s
95th percentile per-packet one-way delay: 135.801 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 199.64 Mbit/s
95th percentile per-packet one-way delay: 135.796 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 135.839 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 176.17 Mbit/s
95th percentile per-packet one-way delay: 135.870 ms
Loss rate: 2.99%
```

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

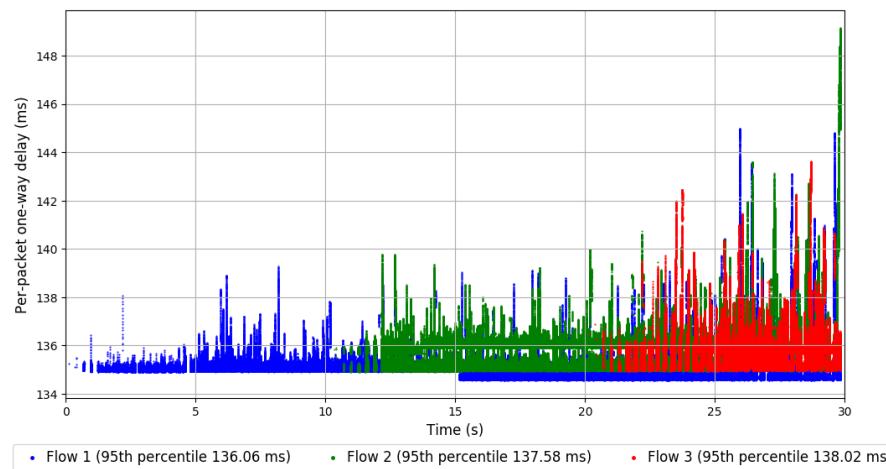
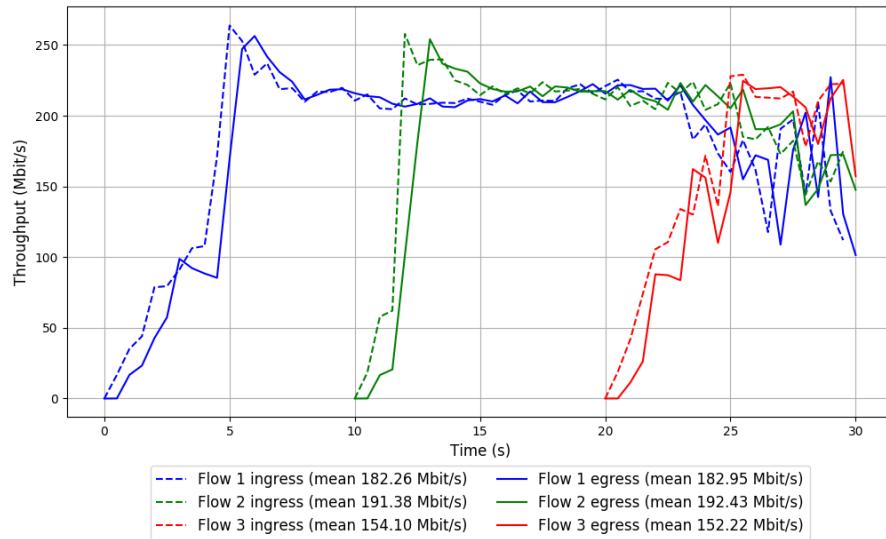


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-25 18:33:26
End at: 2018-05-25 18:33:56
Local clock offset: 0.198 ms
Remote clock offset: -0.219 ms

# Below is generated by plot.py at 2018-05-25 20:52:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 360.15 Mbit/s
95th percentile per-packet one-way delay: 137.053 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 182.95 Mbit/s
95th percentile per-packet one-way delay: 136.059 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 192.43 Mbit/s
95th percentile per-packet one-way delay: 137.583 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 152.22 Mbit/s
95th percentile per-packet one-way delay: 138.021 ms
Loss rate: 3.93%
```

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

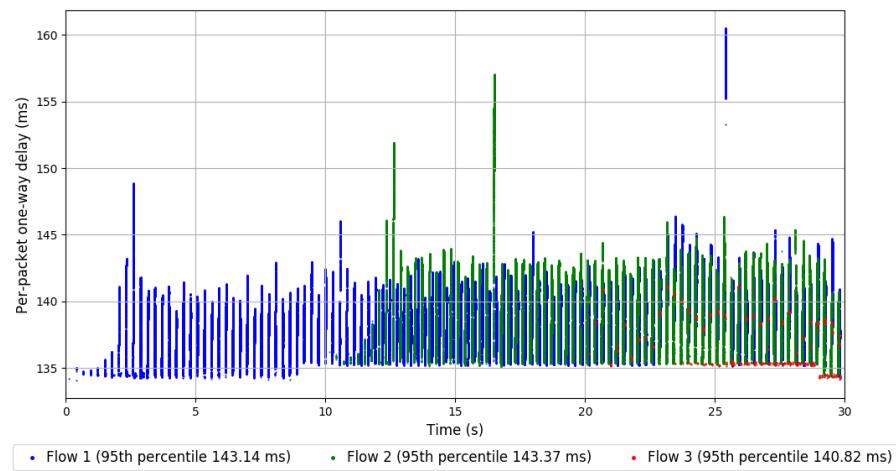
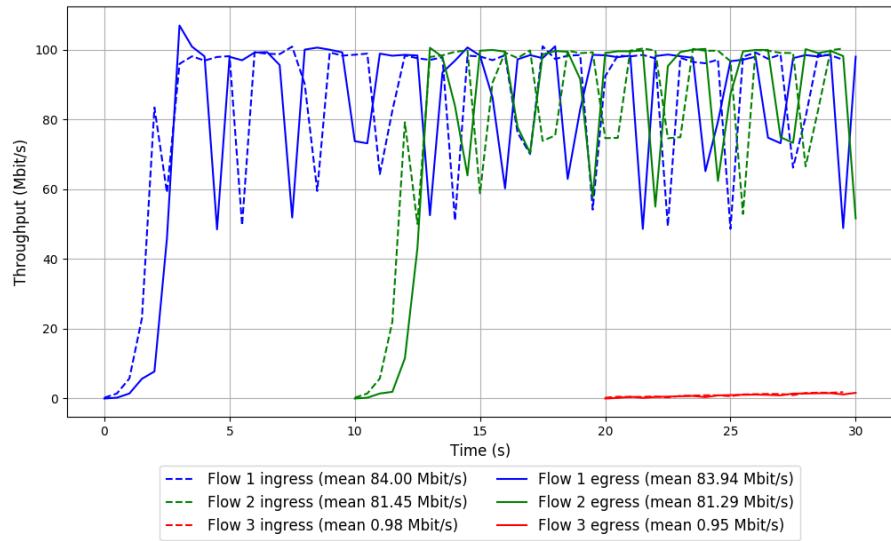


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-25 14:55:52
End at: 2018-05-25 14:56:22
Local clock offset: -0.22 ms
Remote clock offset: 0.125 ms

# Below is generated by plot.py at 2018-05-25 20:52:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 137.90 Mbit/s
95th percentile per-packet one-way delay: 143.267 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 143.144 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 81.29 Mbit/s
95th percentile per-packet one-way delay: 143.369 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 140.817 ms
Loss rate: 5.29%
```

Run 1: Report of TCP Vegas — Data Link

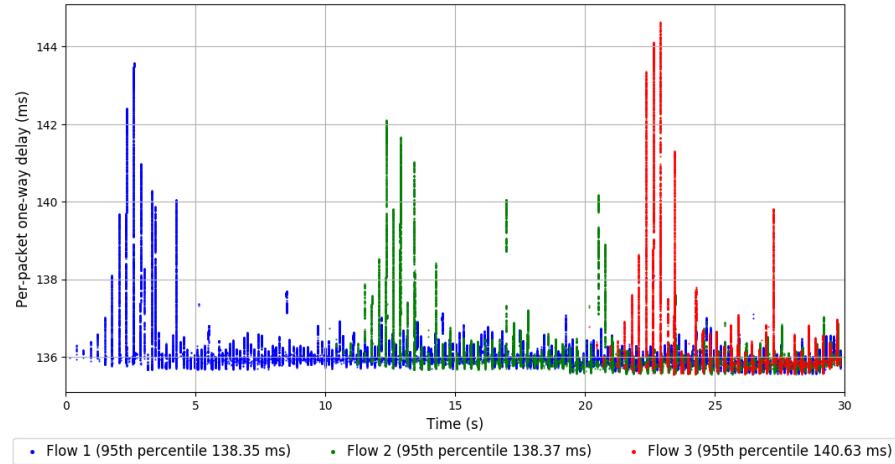
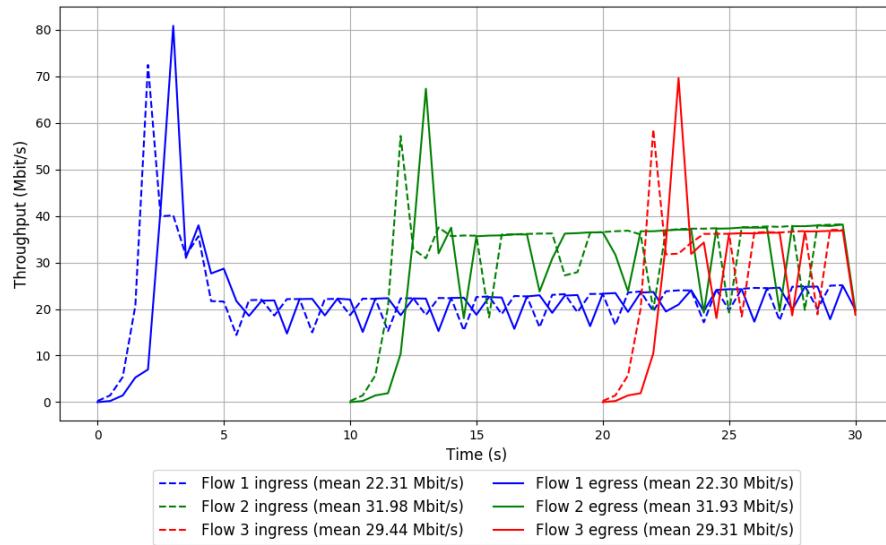


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-25 15:20:51
End at: 2018-05-25 15:21:21
Local clock offset: 0.003 ms
Remote clock offset: -0.253 ms

# Below is generated by plot.py at 2018-05-25 20:52:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.03 Mbit/s
95th percentile per-packet one-way delay: 138.801 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 22.30 Mbit/s
95th percentile per-packet one-way delay: 138.353 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 138.368 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 29.31 Mbit/s
95th percentile per-packet one-way delay: 140.628 ms
Loss rate: 3.16%
```

Run 2: Report of TCP Vegas — Data Link

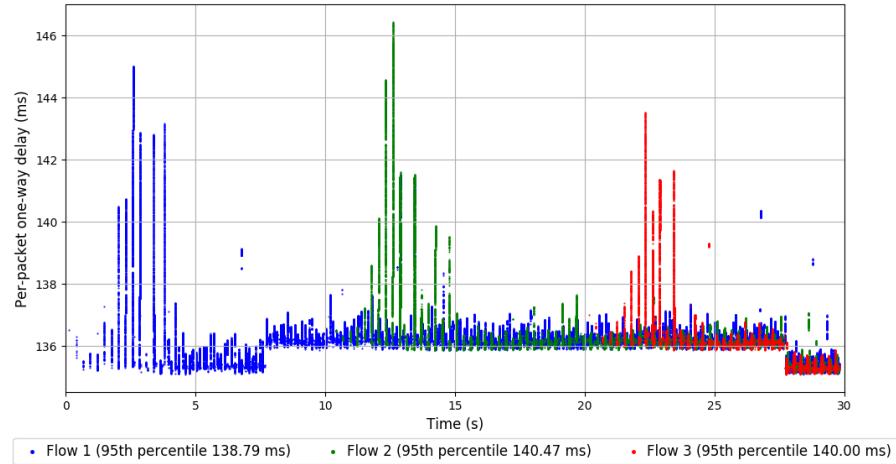
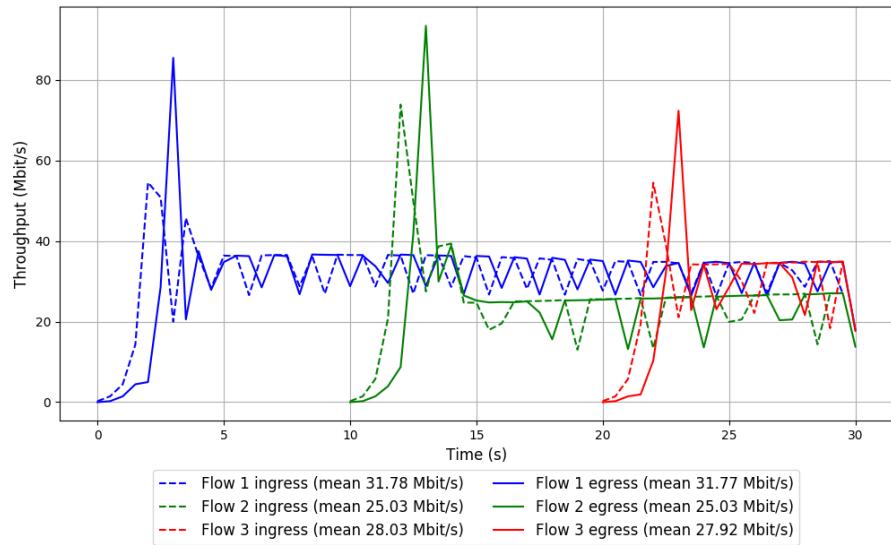


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-25 15:46:03
End at: 2018-05-25 15:46:33
Local clock offset: 0.339 ms
Remote clock offset: -0.209 ms

# Below is generated by plot.py at 2018-05-25 20:52:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.45 Mbit/s
95th percentile per-packet one-way delay: 139.598 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 31.77 Mbit/s
95th percentile per-packet one-way delay: 138.790 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 25.03 Mbit/s
95th percentile per-packet one-way delay: 140.470 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 27.92 Mbit/s
95th percentile per-packet one-way delay: 139.996 ms
Loss rate: 3.15%
```

Run 3: Report of TCP Vegas — Data Link

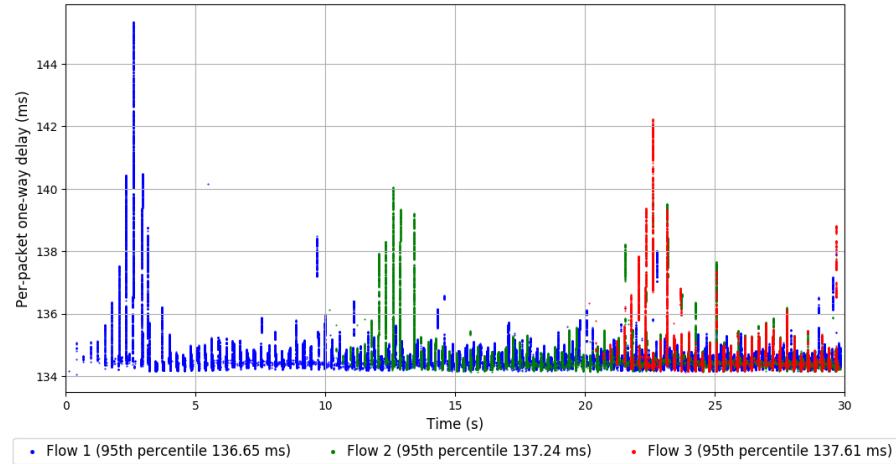
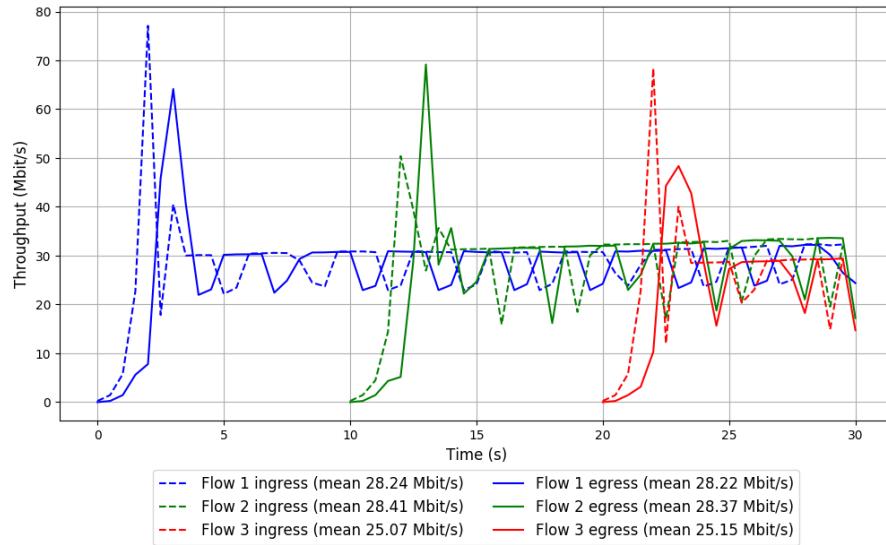


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-25 16:11:16
End at: 2018-05-25 16:11:46
Local clock offset: -0.254 ms
Remote clock offset: 0.189 ms

# Below is generated by plot.py at 2018-05-25 20:52:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.18 Mbit/s
95th percentile per-packet one-way delay: 137.140 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 28.22 Mbit/s
95th percentile per-packet one-way delay: 136.647 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 28.37 Mbit/s
95th percentile per-packet one-way delay: 137.241 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 25.15 Mbit/s
95th percentile per-packet one-way delay: 137.609 ms
Loss rate: 2.97%
```

Run 4: Report of TCP Vegas — Data Link

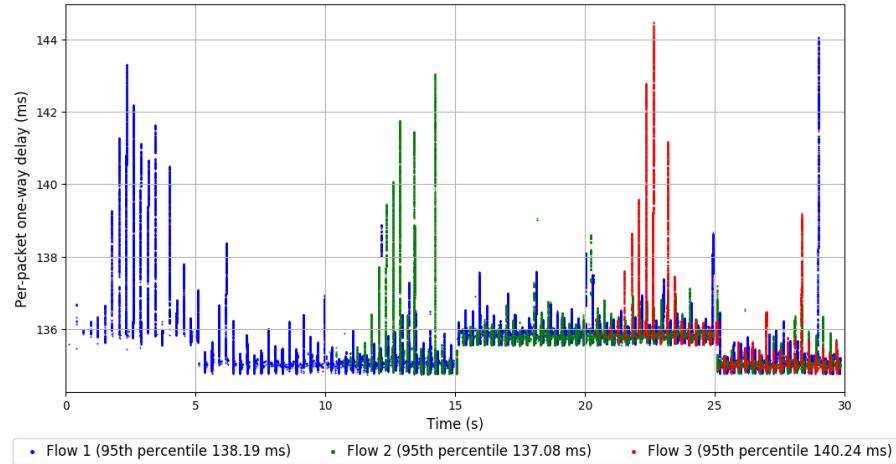
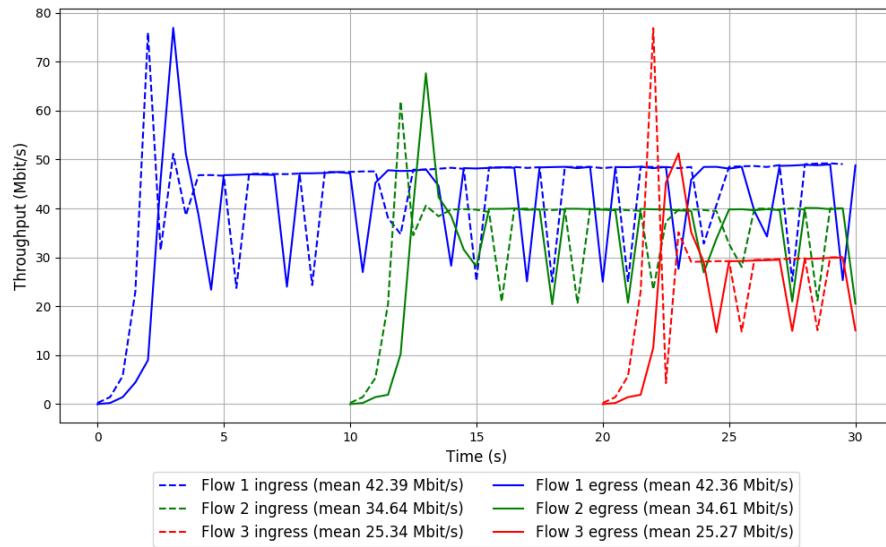


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-25 16:36:16
End at: 2018-05-25 16:36:46
Local clock offset: -0.135 ms
Remote clock offset: -0.257 ms

# Below is generated by plot.py at 2018-05-25 20:52:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.47 Mbit/s
95th percentile per-packet one-way delay: 138.211 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 42.36 Mbit/s
95th percentile per-packet one-way delay: 138.186 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 34.61 Mbit/s
95th percentile per-packet one-way delay: 137.079 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 25.27 Mbit/s
95th percentile per-packet one-way delay: 140.238 ms
Loss rate: 3.00%
```

Run 5: Report of TCP Vegas — Data Link

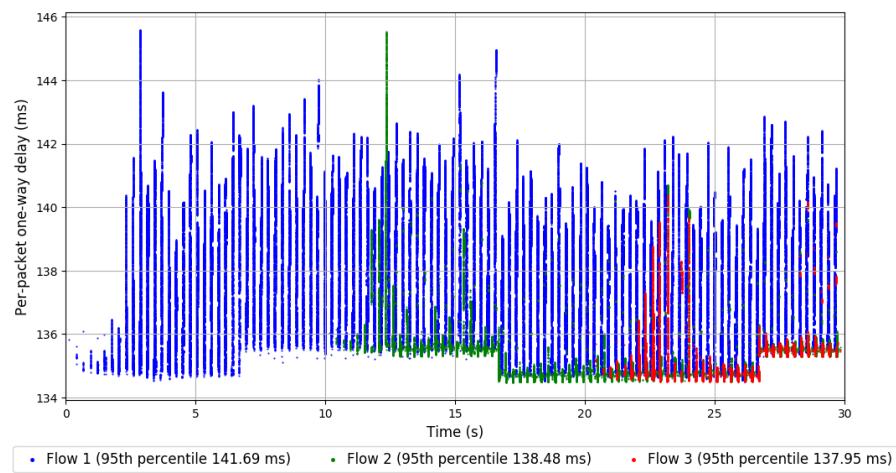
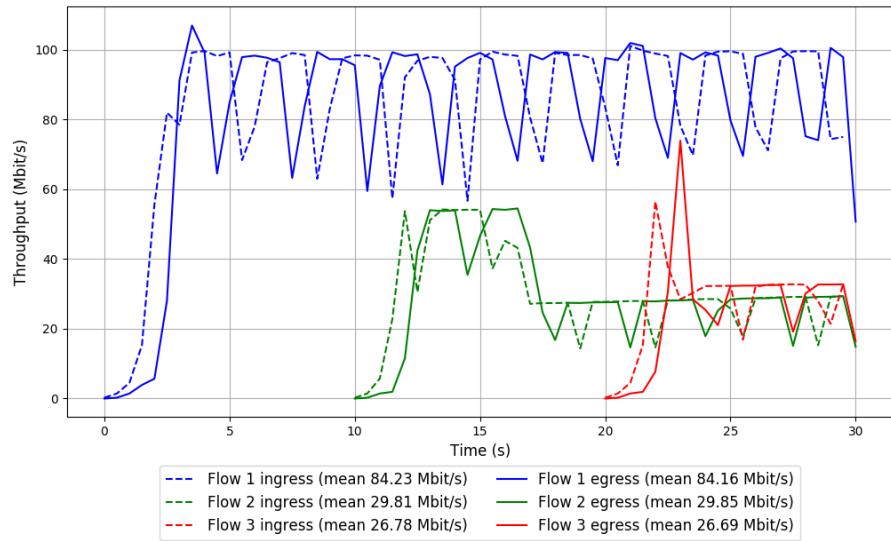


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-25 17:01:24
End at: 2018-05-25 17:01:54
Local clock offset: 0.127 ms
Remote clock offset: 0.215 ms

# Below is generated by plot.py at 2018-05-25 20:52:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 112.16 Mbit/s
95th percentile per-packet one-way delay: 141.483 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 84.16 Mbit/s
95th percentile per-packet one-way delay: 141.695 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 138.481 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 26.69 Mbit/s
95th percentile per-packet one-way delay: 137.950 ms
Loss rate: 3.07%
```

Run 6: Report of TCP Vegas — Data Link

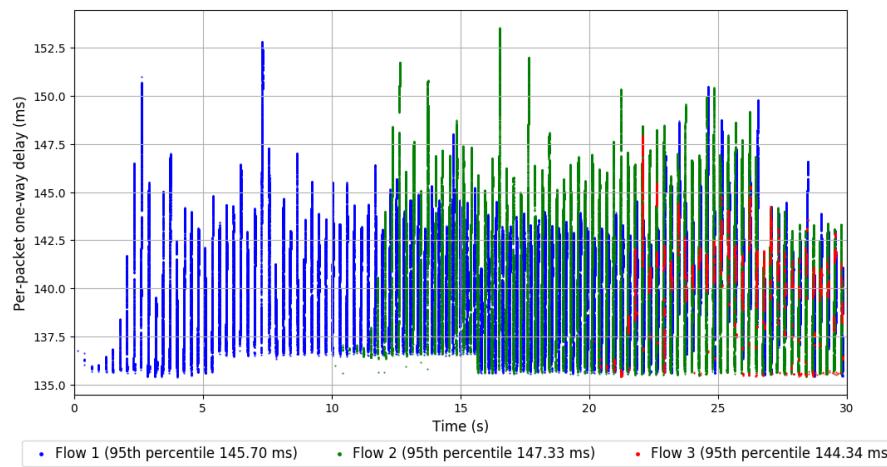
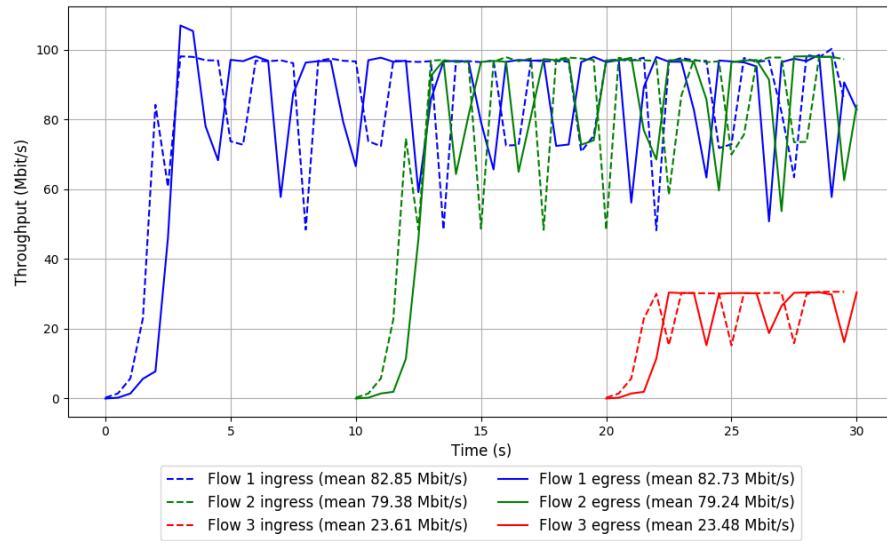


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-25 17:26:35
End at: 2018-05-25 17:27:05
Local clock offset: 0.277 ms
Remote clock offset: -0.594 ms

# Below is generated by plot.py at 2018-05-25 20:52:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 142.83 Mbit/s
95th percentile per-packet one-way delay: 146.548 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 145.703 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 79.24 Mbit/s
95th percentile per-packet one-way delay: 147.332 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 23.48 Mbit/s
95th percentile per-packet one-way delay: 144.343 ms
Loss rate: 3.28%
```

Run 7: Report of TCP Vegas — Data Link

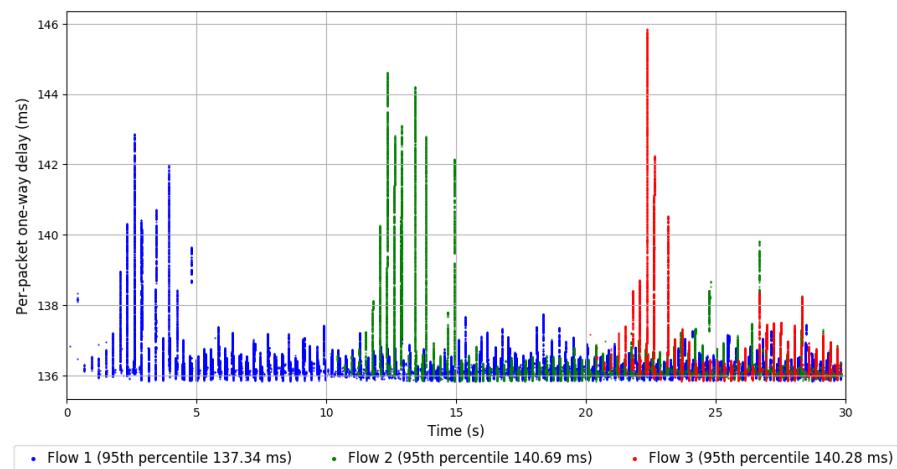
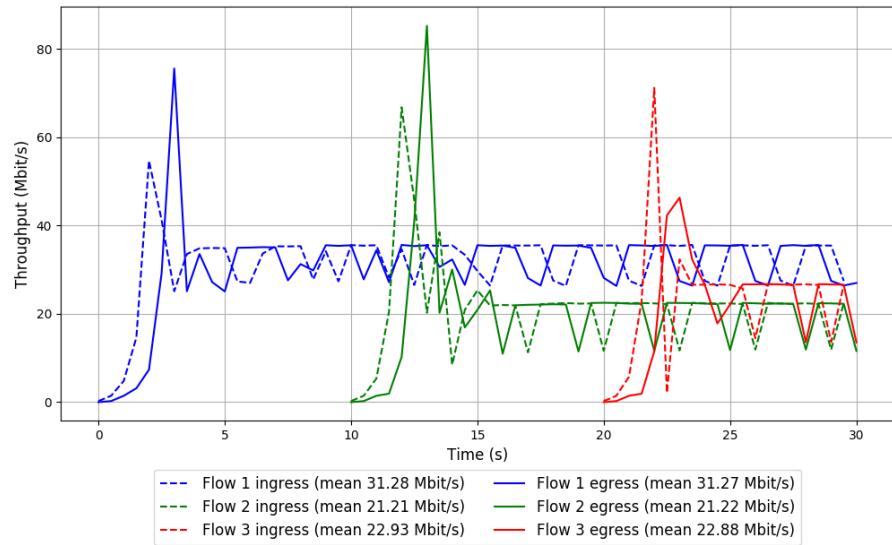


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-25 17:51:57
End at: 2018-05-25 17:52:27
Local clock offset: 0.201 ms
Remote clock offset: -0.194 ms

# Below is generated by plot.py at 2018-05-25 20:52:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.75 Mbit/s
95th percentile per-packet one-way delay: 138.923 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 137.337 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 21.22 Mbit/s
95th percentile per-packet one-way delay: 140.691 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 140.285 ms
Loss rate: 2.92%
```

Run 8: Report of TCP Vegas — Data Link

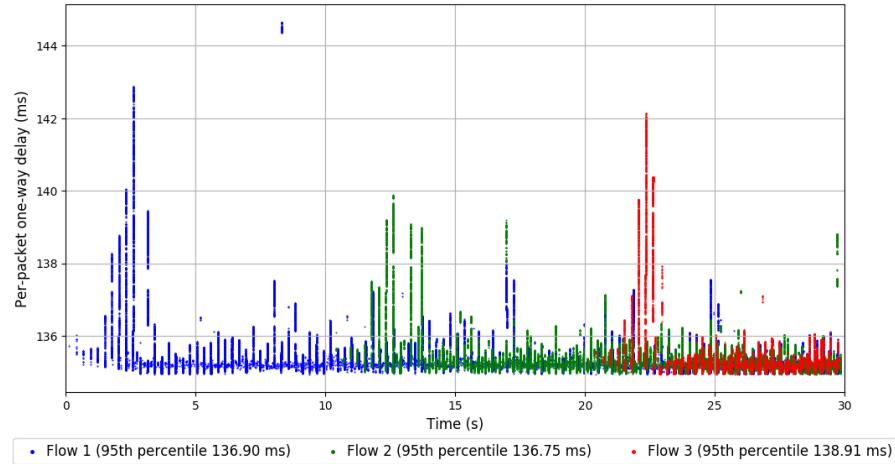
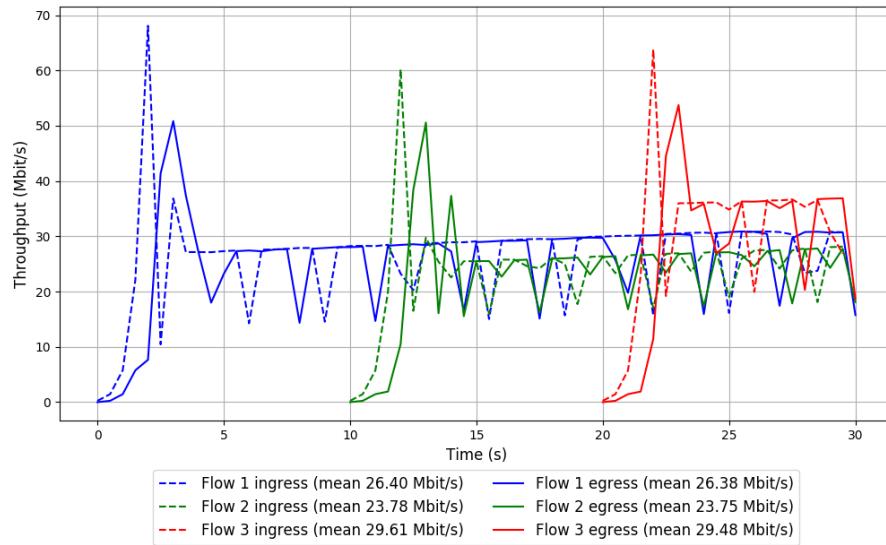


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-25 18:17:21
End at: 2018-05-25 18:17:51
Local clock offset: 0.164 ms
Remote clock offset: -0.226 ms

# Below is generated by plot.py at 2018-05-25 20:52:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.70 Mbit/s
95th percentile per-packet one-way delay: 137.183 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 26.38 Mbit/s
95th percentile per-packet one-way delay: 136.900 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 136.749 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 138.915 ms
Loss rate: 3.16%
```

Run 9: Report of TCP Vegas — Data Link

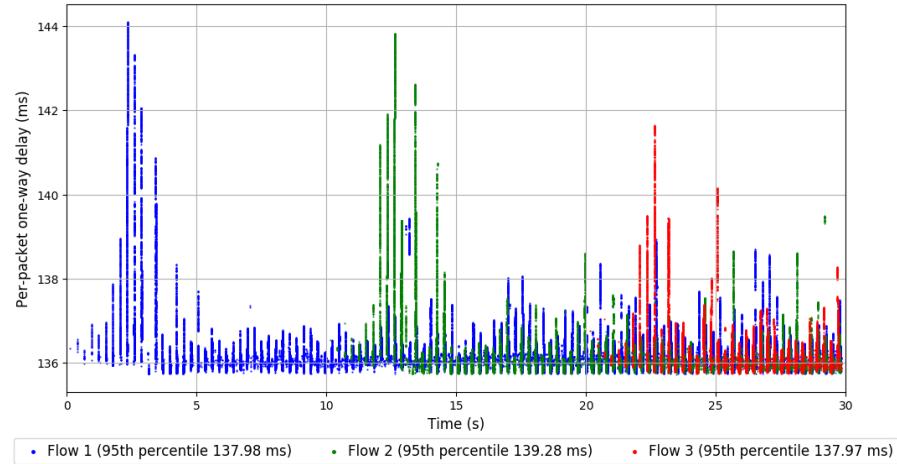
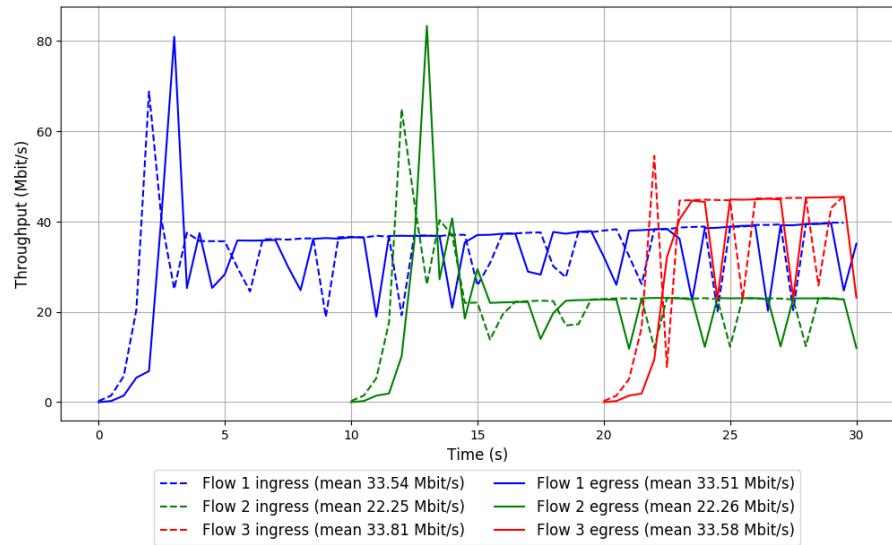


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-25 18:42:35
End at: 2018-05-25 18:43:05
Local clock offset: 0.241 ms
Remote clock offset: -0.211 ms

# Below is generated by plot.py at 2018-05-25 20:52:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.20 Mbit/s
95th percentile per-packet one-way delay: 138.375 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 137.981 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 22.26 Mbit/s
95th percentile per-packet one-way delay: 139.284 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 33.58 Mbit/s
95th percentile per-packet one-way delay: 137.967 ms
Loss rate: 3.40%
```

Run 10: Report of TCP Vegas — Data Link

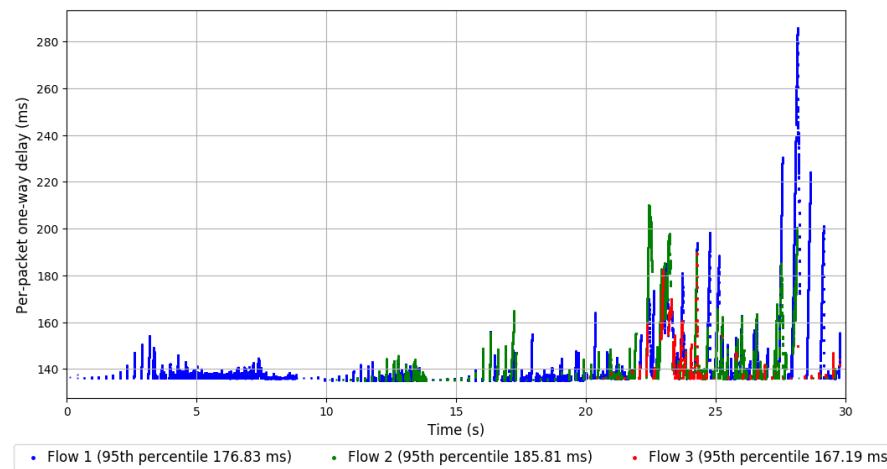
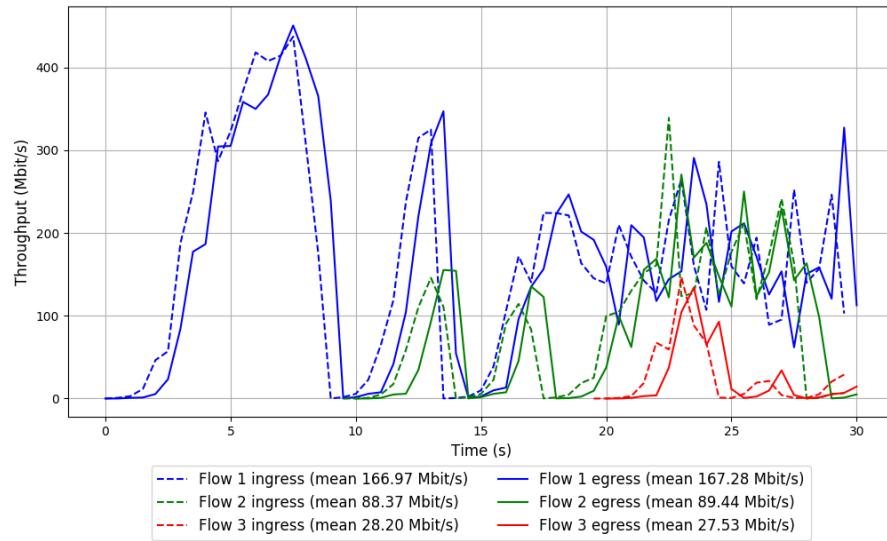


Run 1: Statistics of Verus

```
Start at: 2018-05-25 14:42:11
End at: 2018-05-25 14:42:41
Local clock offset: 0.006 ms
Remote clock offset: -0.637 ms

# Below is generated by plot.py at 2018-05-25 20:52:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 234.92 Mbit/s
95th percentile per-packet one-way delay: 179.678 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 167.28 Mbit/s
95th percentile per-packet one-way delay: 176.833 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 89.44 Mbit/s
95th percentile per-packet one-way delay: 185.813 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 27.53 Mbit/s
95th percentile per-packet one-way delay: 167.191 ms
Loss rate: 5.03%
```

Run 1: Report of Verus — Data Link

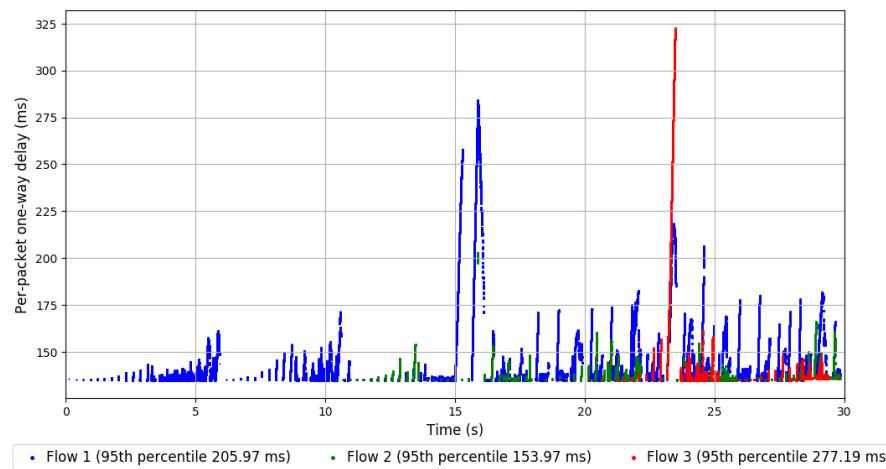
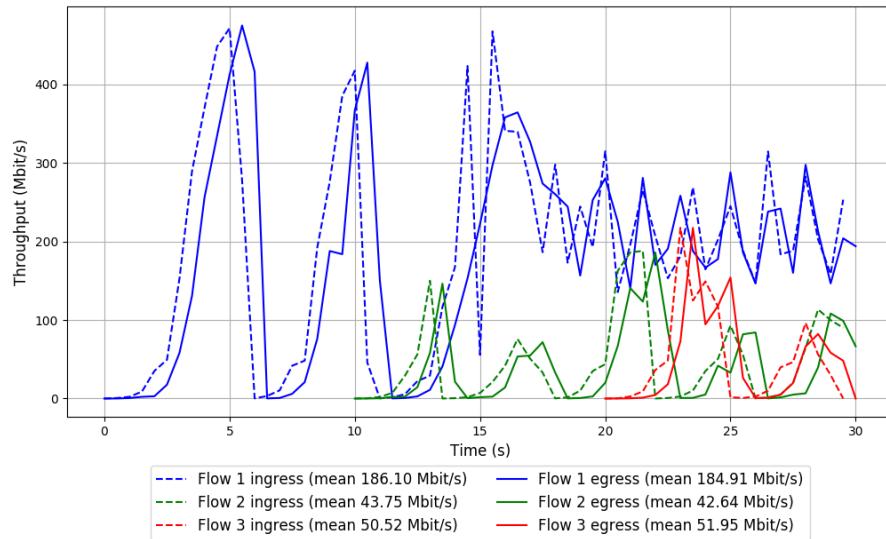


Run 2: Statistics of Verus

```
Start at: 2018-05-25 15:07:12
End at: 2018-05-25 15:07:42
Local clock offset: 0.191 ms
Remote clock offset: -0.244 ms

# Below is generated by plot.py at 2018-05-25 20:52:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 229.82 Mbit/s
95th percentile per-packet one-way delay: 204.963 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 184.91 Mbit/s
95th percentile per-packet one-way delay: 205.974 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 42.64 Mbit/s
95th percentile per-packet one-way delay: 153.969 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: 277.189 ms
Loss rate: 0.01%
```

Run 2: Report of Verus — Data Link

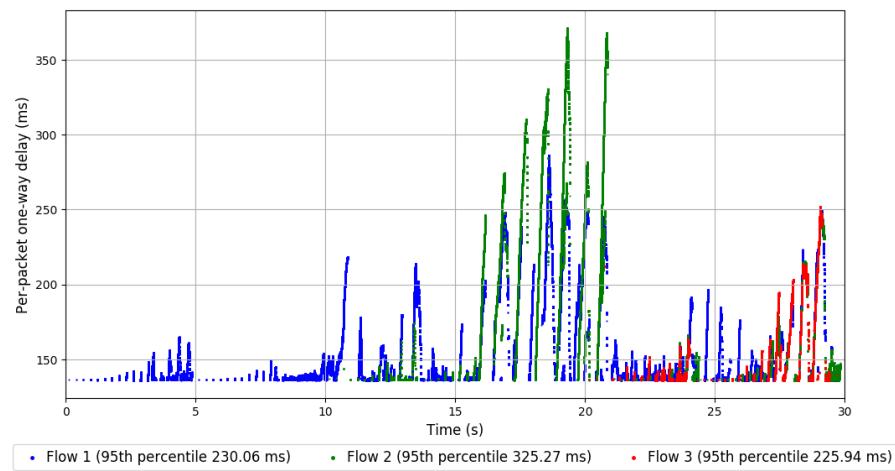
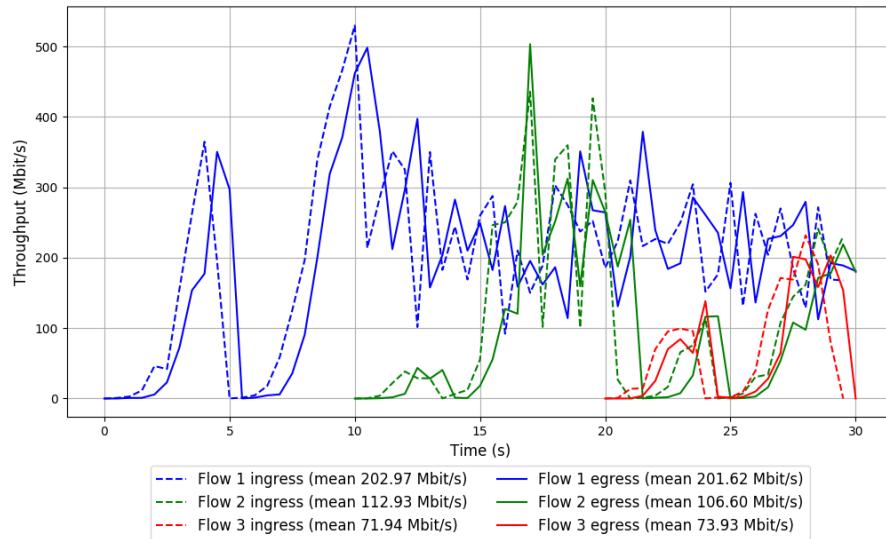


Run 3: Statistics of Verus

```
Start at: 2018-05-25 15:32:08
End at: 2018-05-25 15:32:38
Local clock offset: 0.151 ms
Remote clock offset: -0.611 ms

# Below is generated by plot.py at 2018-05-25 20:53:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 296.06 Mbit/s
95th percentile per-packet one-way delay: 263.986 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 201.62 Mbit/s
95th percentile per-packet one-way delay: 230.056 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 106.60 Mbit/s
95th percentile per-packet one-way delay: 325.272 ms
Loss rate: 6.42%
-- Flow 3:
Average throughput: 73.93 Mbit/s
95th percentile per-packet one-way delay: 225.944 ms
Loss rate: 0.08%
```

Run 3: Report of Verus — Data Link

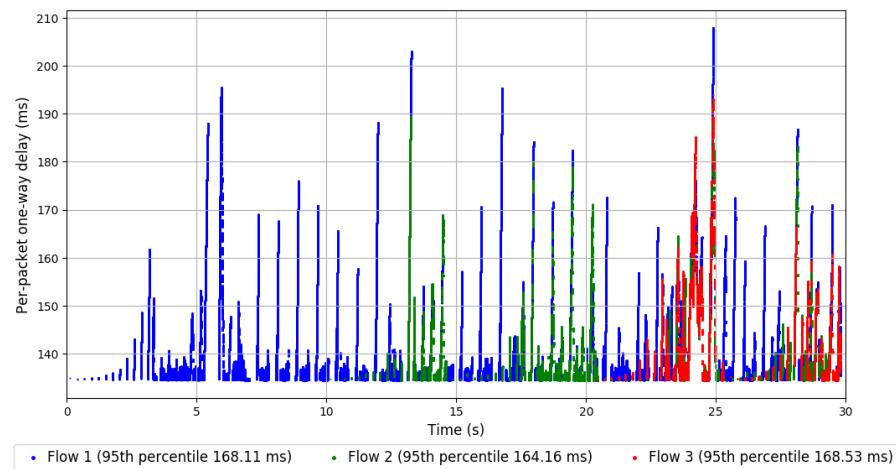
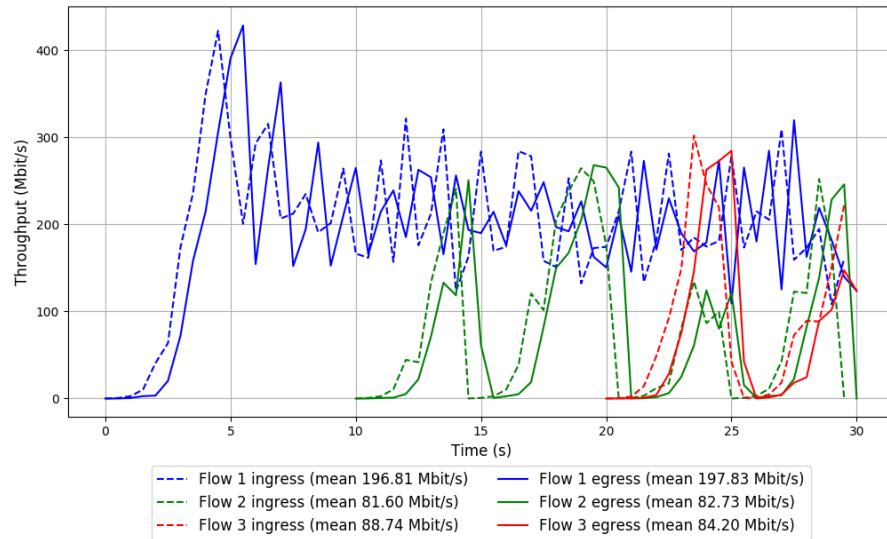


Run 4: Statistics of Verus

```
Start at: 2018-05-25 15:57:21
End at: 2018-05-25 15:57:51
Local clock offset: -0.277 ms
Remote clock offset: -0.22 ms

# Below is generated by plot.py at 2018-05-25 20:53:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 279.67 Mbit/s
95th percentile per-packet one-way delay: 167.679 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 197.83 Mbit/s
95th percentile per-packet one-way delay: 168.114 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 164.161 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.20 Mbit/s
95th percentile per-packet one-way delay: 168.528 ms
Loss rate: 7.76%
```

Run 4: Report of Verus — Data Link

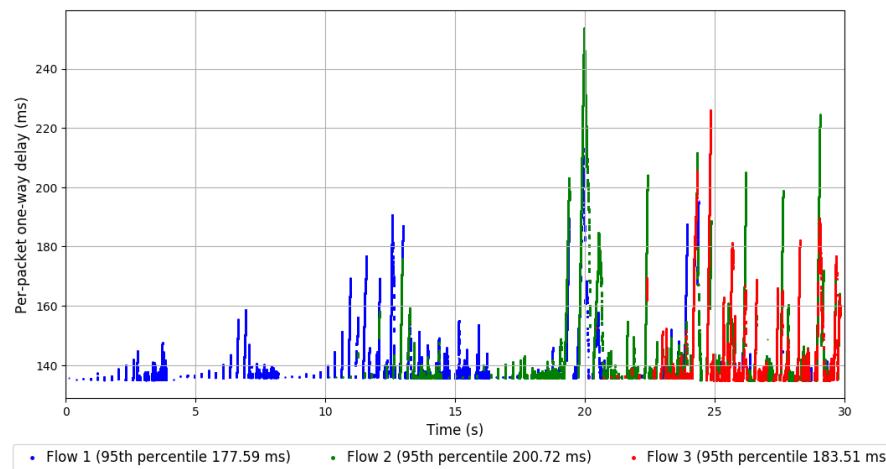
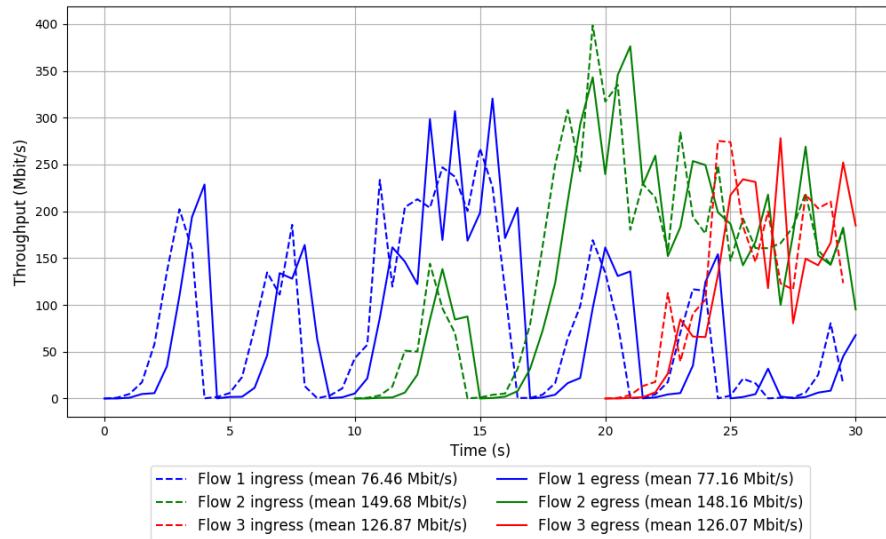


Run 5: Statistics of Verus

```
Start at: 2018-05-25 16:22:37
End at: 2018-05-25 16:23:07
Local clock offset: 0.056 ms
Remote clock offset: -0.19 ms

# Below is generated by plot.py at 2018-05-25 20:53:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 216.34 Mbit/s
95th percentile per-packet one-way delay: 186.890 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 77.16 Mbit/s
95th percentile per-packet one-way delay: 177.587 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 148.16 Mbit/s
95th percentile per-packet one-way delay: 200.720 ms
Loss rate: 2.14%
-- Flow 3:
Average throughput: 126.07 Mbit/s
95th percentile per-packet one-way delay: 183.508 ms
Loss rate: 0.75%
```

Run 5: Report of Verus — Data Link

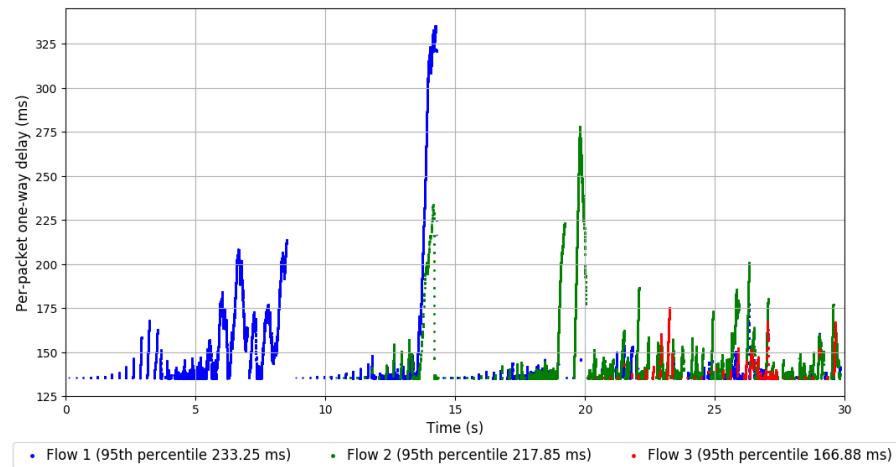
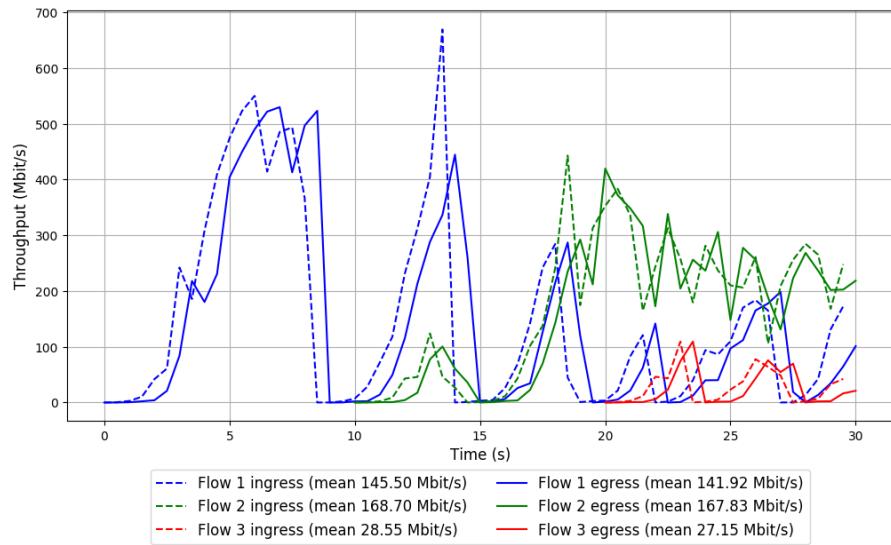


Run 6: Statistics of Verus

```
Start at: 2018-05-25 16:47:31
End at: 2018-05-25 16:48:01
Local clock offset: -0.31 ms
Remote clock offset: -0.169 ms

# Below is generated by plot.py at 2018-05-25 20:53:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 261.85 Mbit/s
95th percentile per-packet one-way delay: 219.035 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 141.92 Mbit/s
95th percentile per-packet one-way delay: 233.245 ms
Loss rate: 3.04%
-- Flow 2:
Average throughput: 167.83 Mbit/s
95th percentile per-packet one-way delay: 217.846 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 27.15 Mbit/s
95th percentile per-packet one-way delay: 166.884 ms
Loss rate: 7.58%
```

Run 6: Report of Verus — Data Link

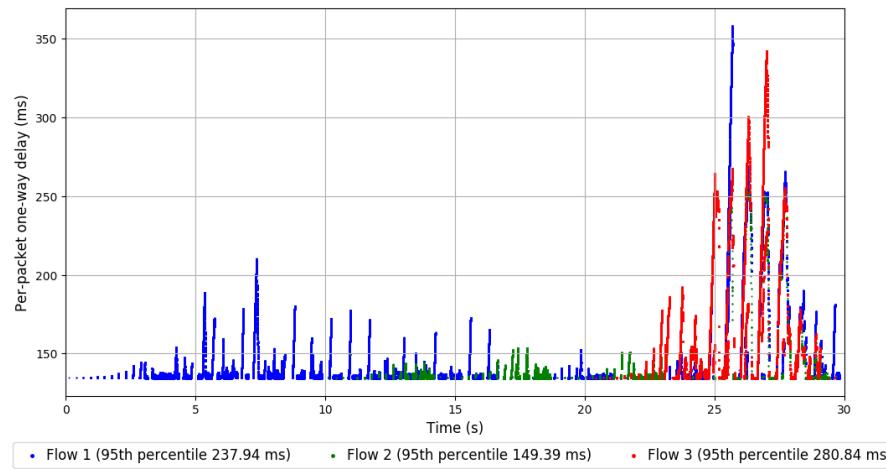
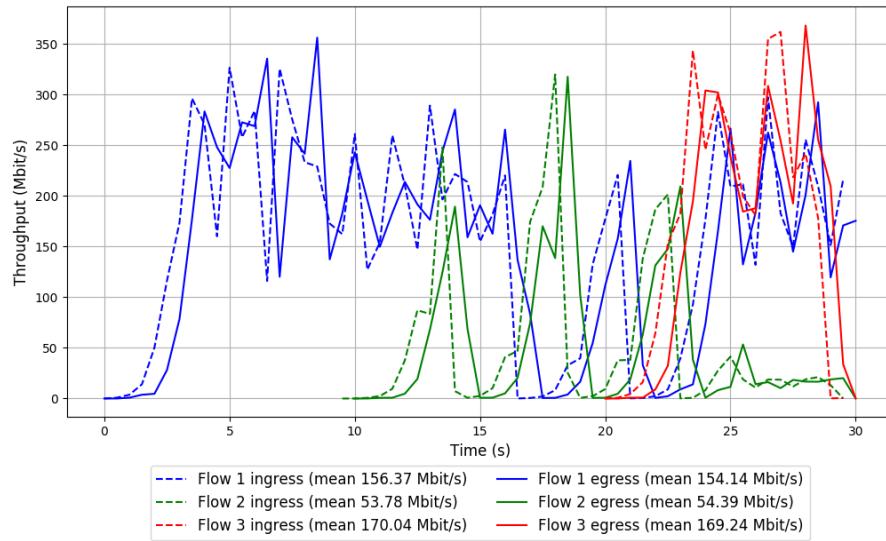


Run 7: Statistics of Verus

```
Start at: 2018-05-25 17:12:47
End at: 2018-05-25 17:13:17
Local clock offset: -0.365 ms
Remote clock offset: -0.161 ms

# Below is generated by plot.py at 2018-05-25 20:55:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 243.94 Mbit/s
95th percentile per-packet one-way delay: 246.671 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 154.14 Mbit/s
95th percentile per-packet one-way delay: 237.938 ms
Loss rate: 2.07%
-- Flow 2:
Average throughput: 54.39 Mbit/s
95th percentile per-packet one-way delay: 149.389 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 169.24 Mbit/s
95th percentile per-packet one-way delay: 280.844 ms
Loss rate: 3.24%
```

Run 7: Report of Verus — Data Link

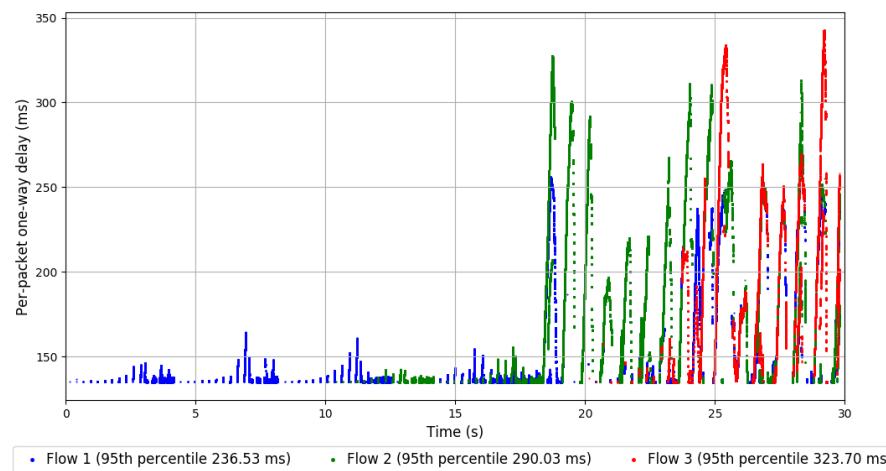
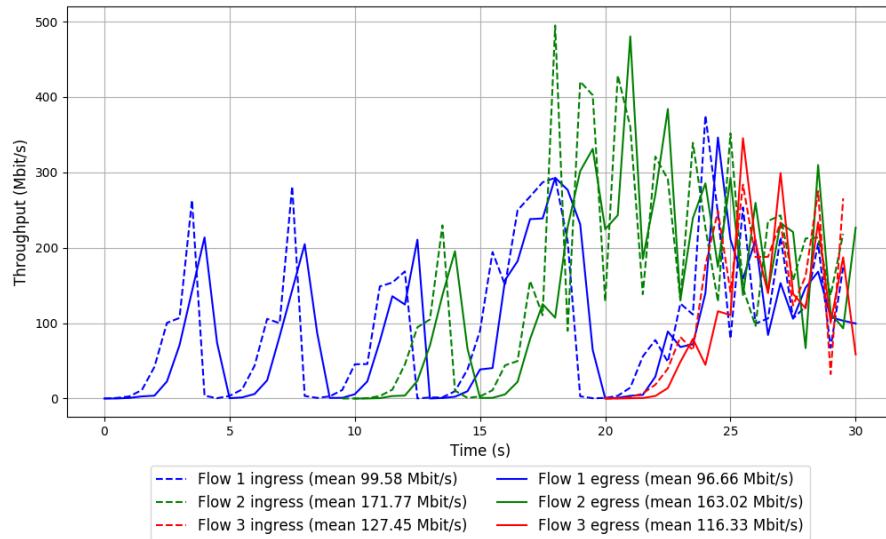


Run 8: Statistics of Verus

```
Start at: 2018-05-25 17:38:01
End at: 2018-05-25 17:38:31
Local clock offset: 0.163 ms
Remote clock offset: -0.213 ms

# Below is generated by plot.py at 2018-05-25 20:55:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 242.61 Mbit/s
95th percentile per-packet one-way delay: 287.077 ms
Loss rate: 5.65%
-- Flow 1:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 236.535 ms
Loss rate: 3.47%
-- Flow 2:
Average throughput: 163.02 Mbit/s
95th percentile per-packet one-way delay: 290.034 ms
Loss rate: 5.49%
-- Flow 3:
Average throughput: 116.33 Mbit/s
95th percentile per-packet one-way delay: 323.696 ms
Loss rate: 11.22%
```

Run 8: Report of Verus — Data Link

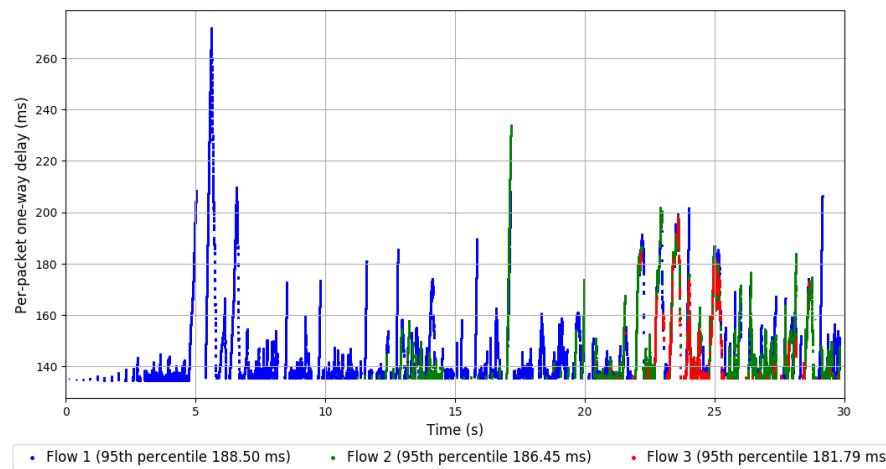
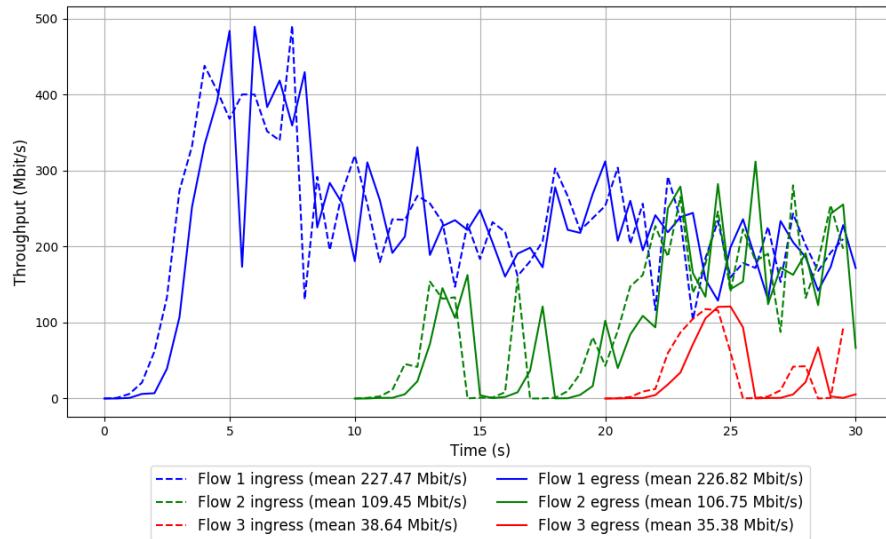


Run 9: Statistics of Verus

```
Start at: 2018-05-25 18:03:26
End at: 2018-05-25 18:03:56
Local clock offset: 0.042 ms
Remote clock offset: 0.184 ms

# Below is generated by plot.py at 2018-05-25 20:57:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 308.99 Mbit/s
95th percentile per-packet one-way delay: 187.834 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 226.82 Mbit/s
95th percentile per-packet one-way delay: 188.495 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 106.75 Mbit/s
95th percentile per-packet one-way delay: 186.447 ms
Loss rate: 3.79%
-- Flow 3:
Average throughput: 35.38 Mbit/s
95th percentile per-packet one-way delay: 181.794 ms
Loss rate: 11.41%
```

Run 9: Report of Verus — Data Link

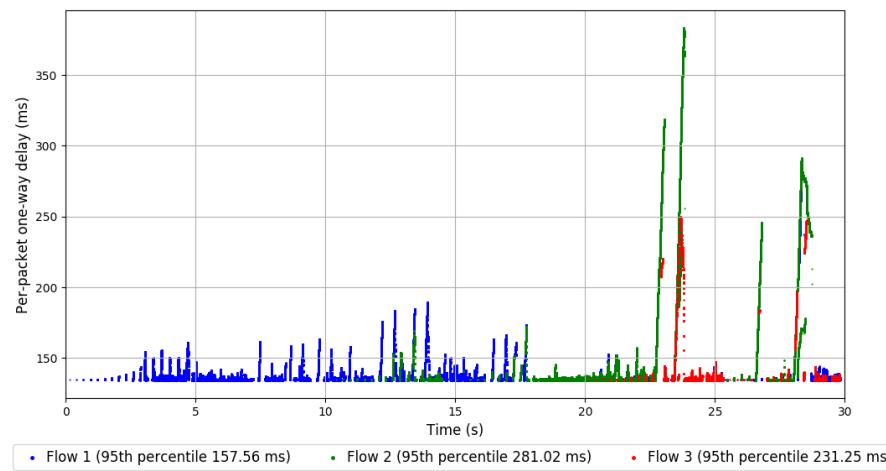
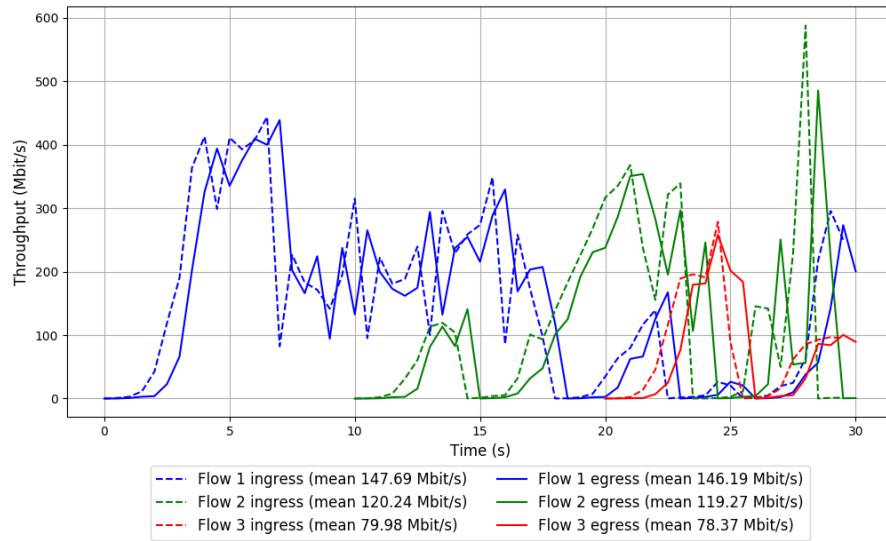


Run 10: Statistics of Verus

```
Start at: 2018-05-25 18:28:35
End at: 2018-05-25 18:29:05
Local clock offset: 0.023 ms
Remote clock offset: 0.196 ms

# Below is generated by plot.py at 2018-05-25 20:57:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 249.71 Mbit/s
95th percentile per-packet one-way delay: 238.936 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 146.19 Mbit/s
95th percentile per-packet one-way delay: 157.562 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 119.27 Mbit/s
95th percentile per-packet one-way delay: 281.016 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 78.37 Mbit/s
95th percentile per-packet one-way delay: 231.255 ms
Loss rate: 3.66%
```

Run 10: Report of Verus — Data Link

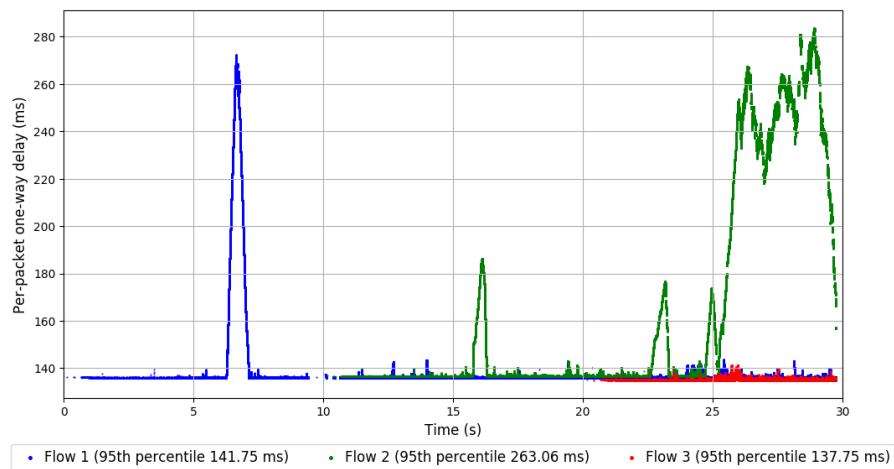
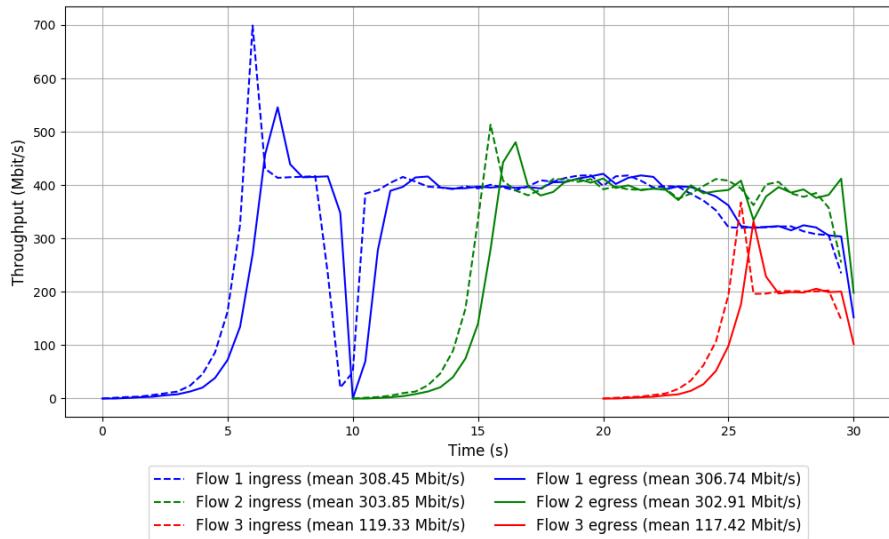


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-05-25 14:45:00
End at: 2018-05-25 14:45:30
Local clock offset: 0.154 ms
Remote clock offset: -0.25 ms

# Below is generated by plot.py at 2018-05-25 21:02:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 545.34 Mbit/s
95th percentile per-packet one-way delay: 250.482 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 306.74 Mbit/s
95th percentile per-packet one-way delay: 141.747 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 302.91 Mbit/s
95th percentile per-packet one-way delay: 263.057 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 117.42 Mbit/s
95th percentile per-packet one-way delay: 137.745 ms
Loss rate: 4.33%
```

Run 1: Report of PCC-Vivace — Data Link

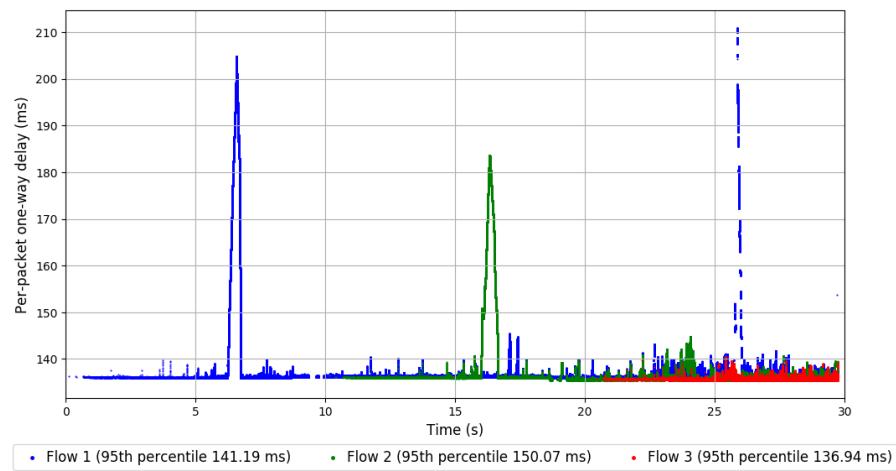
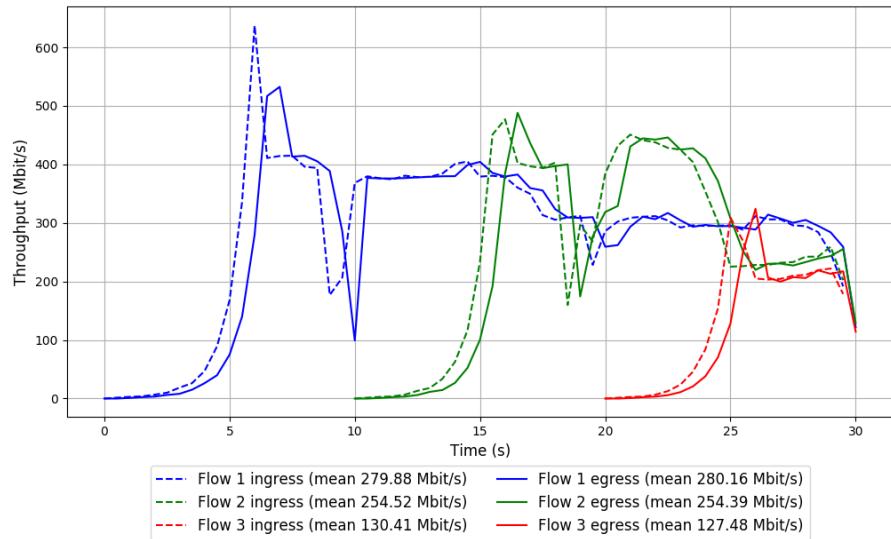


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-25 15:10:02
End at: 2018-05-25 15:10:32
Local clock offset: -0.242 ms
Remote clock offset: -0.602 ms

# Below is generated by plot.py at 2018-05-25 21:02:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 489.76 Mbit/s
95th percentile per-packet one-way delay: 142.220 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 280.16 Mbit/s
95th percentile per-packet one-way delay: 141.189 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 254.39 Mbit/s
95th percentile per-packet one-way delay: 150.075 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 127.48 Mbit/s
95th percentile per-packet one-way delay: 136.935 ms
Loss rate: 4.98%
```

Run 2: Report of PCC-Vivace — Data Link

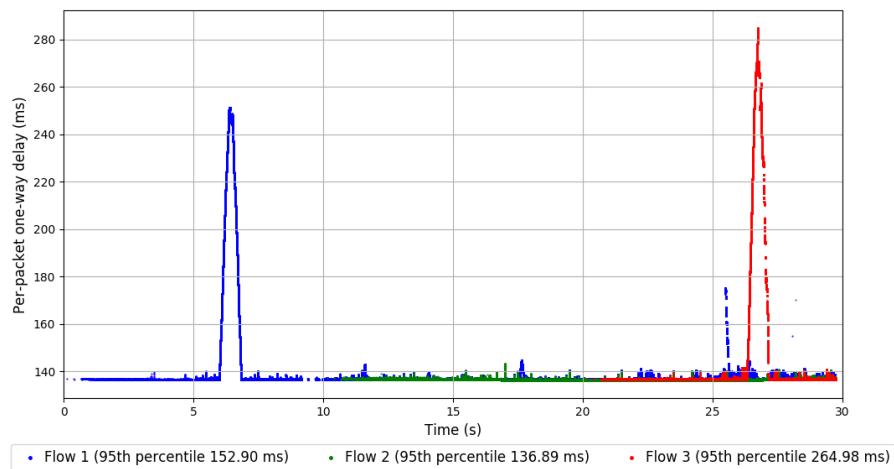
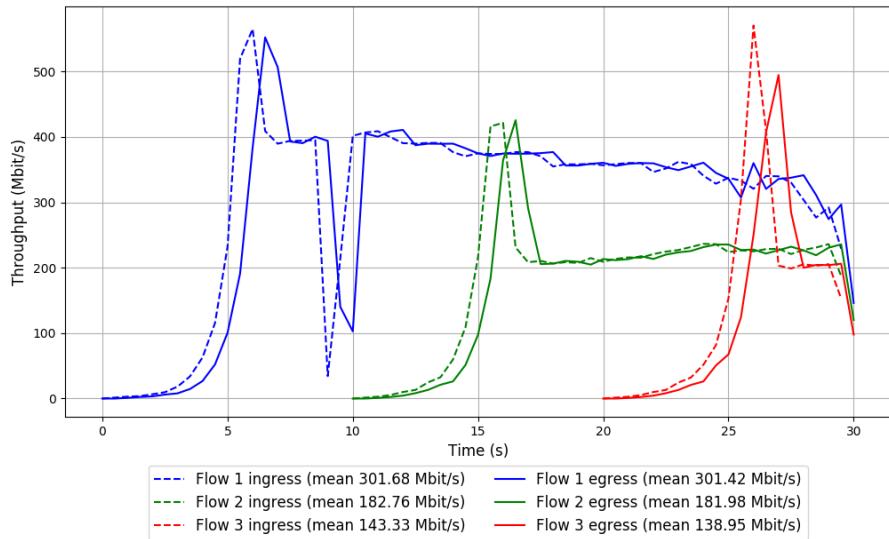


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-25 15:35:02
End at: 2018-05-25 15:35:32
Local clock offset: 0.063 ms
Remote clock offset: -0.607 ms

# Below is generated by plot.py at 2018-05-25 21:02:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 466.91 Mbit/s
95th percentile per-packet one-way delay: 169.247 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 301.42 Mbit/s
95th percentile per-packet one-way delay: 152.901 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 181.98 Mbit/s
95th percentile per-packet one-way delay: 136.888 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 138.95 Mbit/s
95th percentile per-packet one-way delay: 264.979 ms
Loss rate: 5.75%
```

Run 3: Report of PCC-Vivace — Data Link

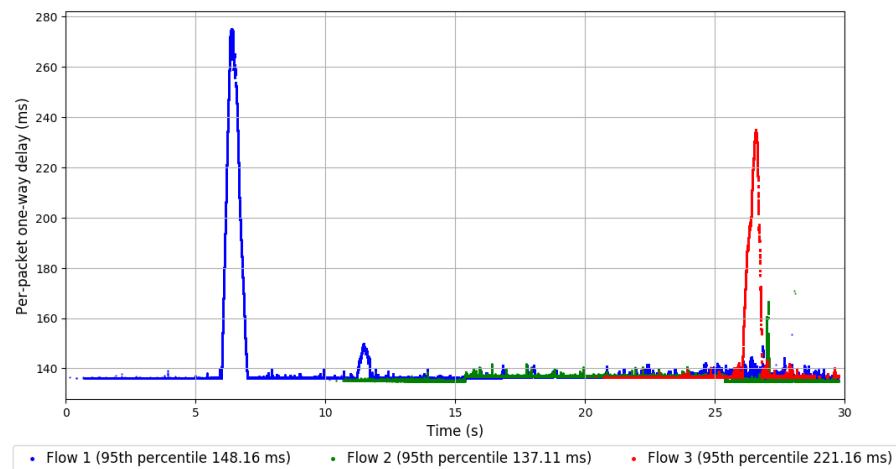
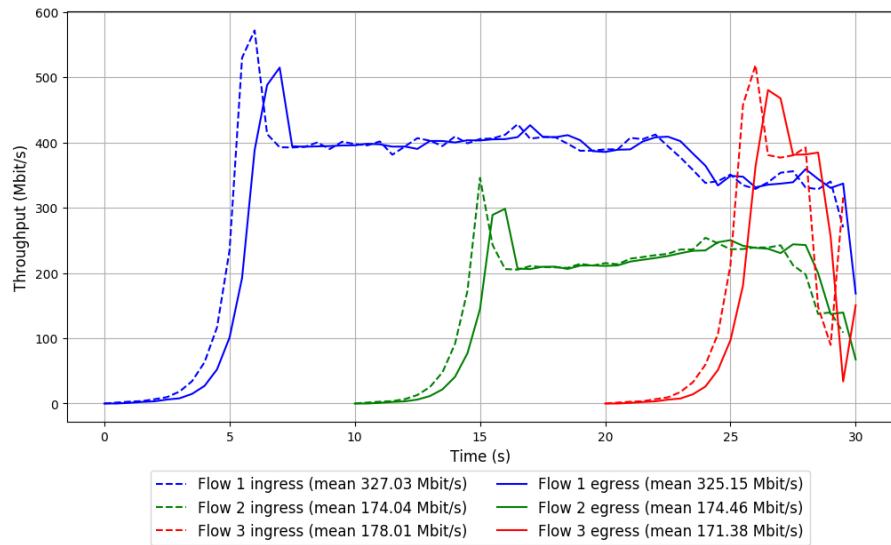


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-25 16:00:14
End at: 2018-05-25 16:00:44
Local clock offset: 0.077 ms
Remote clock offset: -0.591 ms

# Below is generated by plot.py at 2018-05-25 21:03:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 496.15 Mbit/s
95th percentile per-packet one-way delay: 161.869 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 325.15 Mbit/s
95th percentile per-packet one-way delay: 148.164 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 174.46 Mbit/s
95th percentile per-packet one-way delay: 137.111 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 171.38 Mbit/s
95th percentile per-packet one-way delay: 221.165 ms
Loss rate: 6.39%
```

Run 4: Report of PCC-Vivace — Data Link

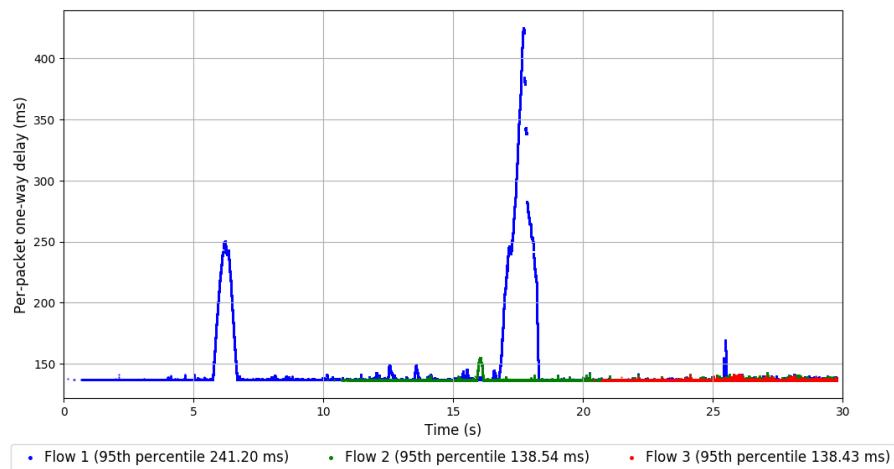
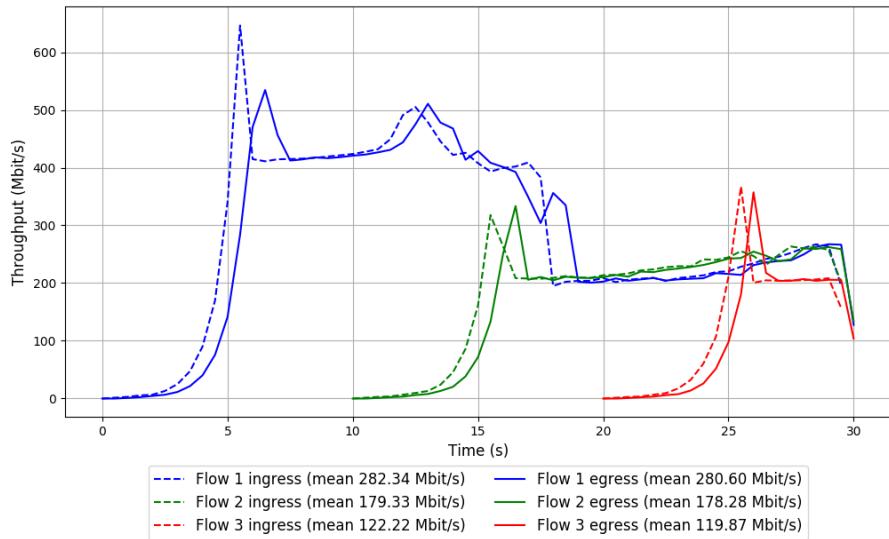


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-25 16:25:26
End at: 2018-05-25 16:25:56
Local clock offset: 0.486 ms
Remote clock offset: -0.599 ms

# Below is generated by plot.py at 2018-05-25 21:04:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 437.43 Mbit/s
95th percentile per-packet one-way delay: 214.947 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 280.60 Mbit/s
95th percentile per-packet one-way delay: 241.198 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 178.28 Mbit/s
95th percentile per-packet one-way delay: 138.545 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 119.87 Mbit/s
95th percentile per-packet one-way delay: 138.427 ms
Loss rate: 4.62%
```

Run 5: Report of PCC-Vivace — Data Link

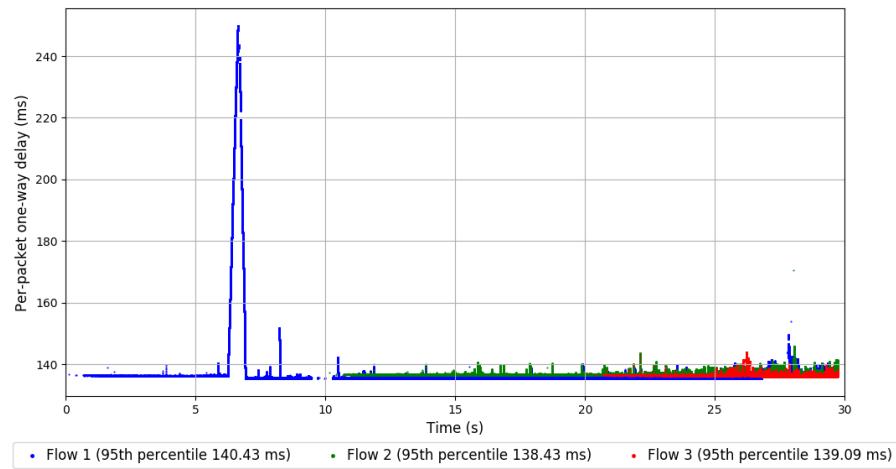
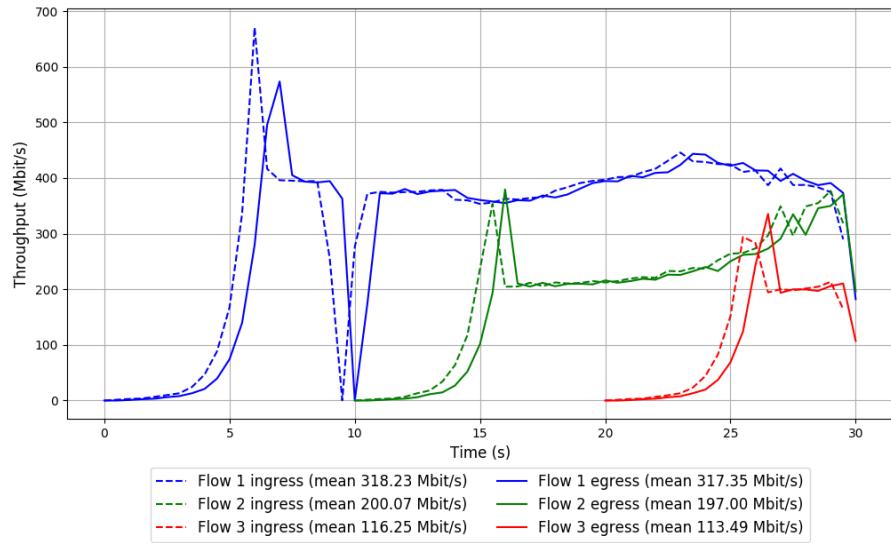


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-25 16:50:24
End at: 2018-05-25 16:50:54
Local clock offset: 0.133 ms
Remote clock offset: -0.537 ms

# Below is generated by plot.py at 2018-05-25 21:04:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 484.49 Mbit/s
95th percentile per-packet one-way delay: 139.082 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 317.35 Mbit/s
95th percentile per-packet one-way delay: 140.434 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 197.00 Mbit/s
95th percentile per-packet one-way delay: 138.425 ms
Loss rate: 2.89%
-- Flow 3:
Average throughput: 113.49 Mbit/s
95th percentile per-packet one-way delay: 139.086 ms
Loss rate: 5.09%
```

Run 6: Report of PCC-Vivace — Data Link

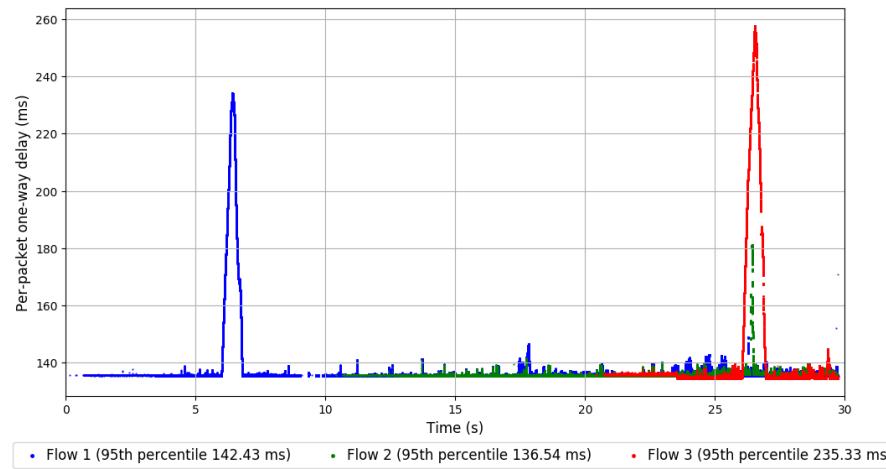
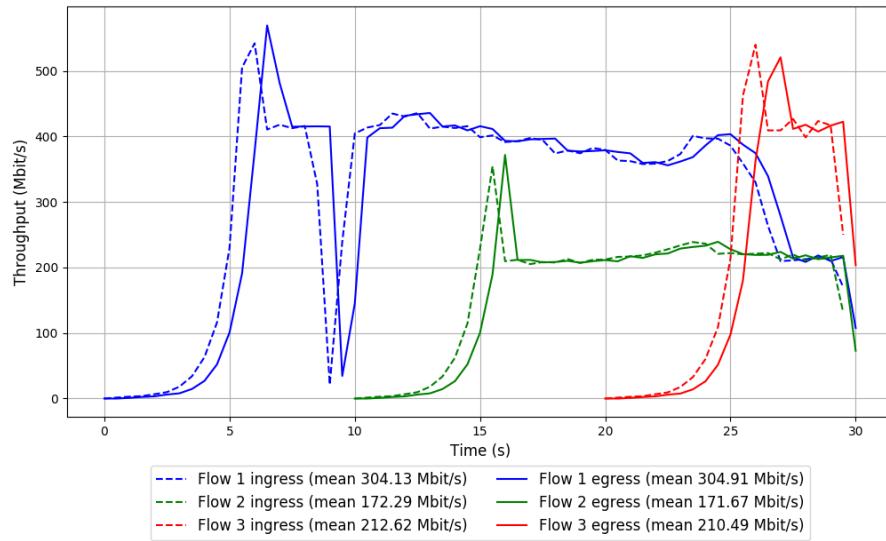


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-25 17:15:37
End at: 2018-05-25 17:16:07
Local clock offset: 0.237 ms
Remote clock offset: 0.201 ms

# Below is generated by plot.py at 2018-05-25 21:05:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 486.69 Mbit/s
95th percentile per-packet one-way delay: 162.643 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 304.91 Mbit/s
95th percentile per-packet one-way delay: 142.433 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 171.67 Mbit/s
95th percentile per-packet one-way delay: 136.539 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 210.49 Mbit/s
95th percentile per-packet one-way delay: 235.333 ms
Loss rate: 3.75%
```

Run 7: Report of PCC-Vivace — Data Link

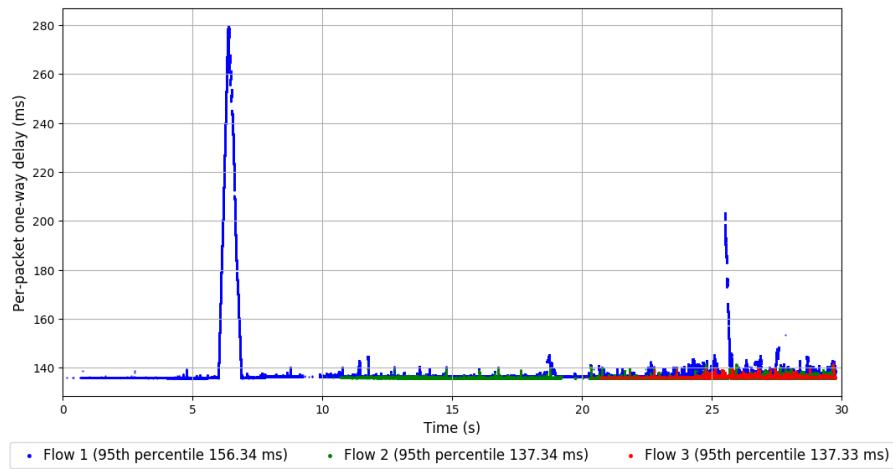
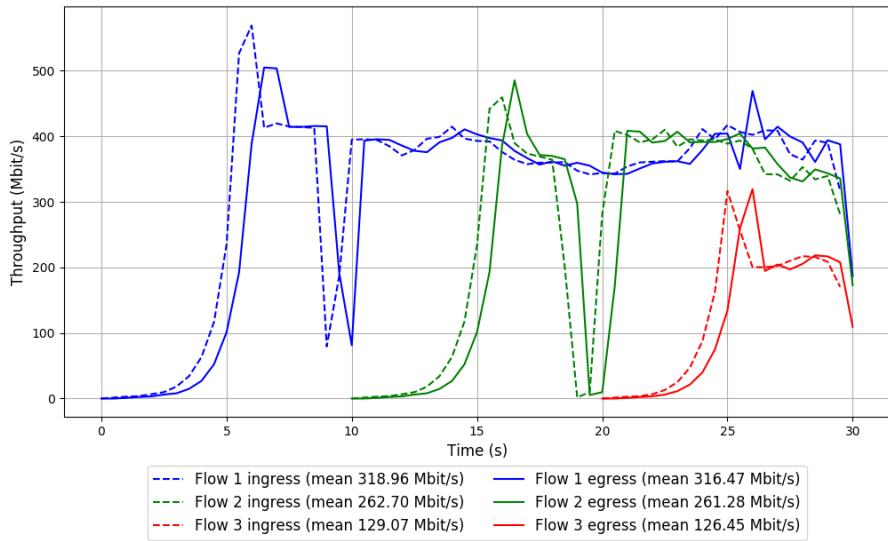


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-25 17:40:53
End at: 2018-05-25 17:41:23
Local clock offset: 0.092 ms
Remote clock offset: -0.219 ms

# Below is generated by plot.py at 2018-05-25 21:05:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 530.44 Mbit/s
95th percentile per-packet one-way delay: 141.866 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 316.47 Mbit/s
95th percentile per-packet one-way delay: 156.341 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 261.28 Mbit/s
95th percentile per-packet one-way delay: 137.338 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 126.45 Mbit/s
95th percentile per-packet one-way delay: 137.326 ms
Loss rate: 4.74%
```

Run 8: Report of PCC-Vivace — Data Link

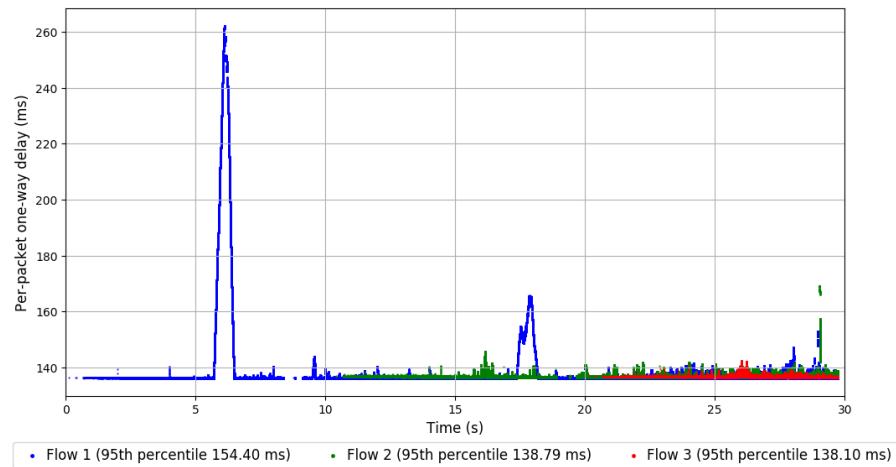
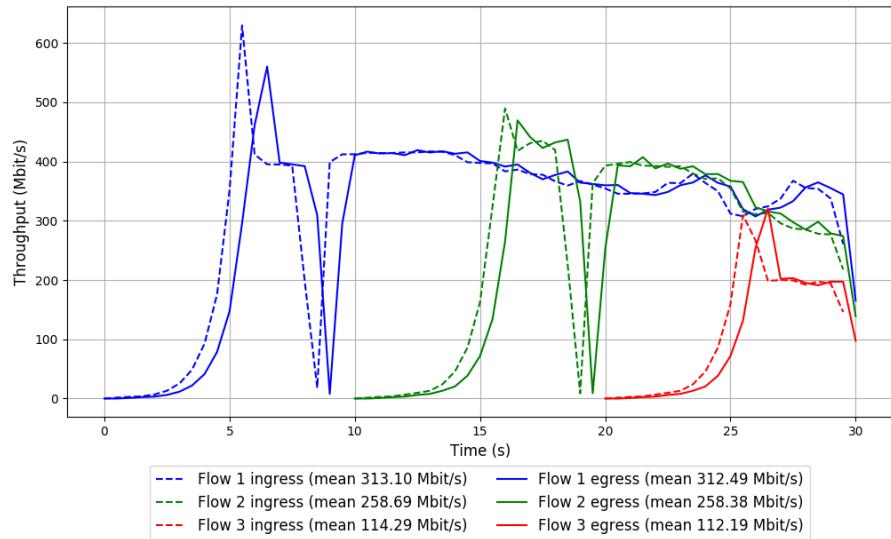


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-25 18:06:22
End at: 2018-05-25 18:06:52
Local clock offset: 0.404 ms
Remote clock offset: -0.544 ms

# Below is generated by plot.py at 2018-05-25 21:06:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 519.88 Mbit/s
95th percentile per-packet one-way delay: 141.638 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 312.49 Mbit/s
95th percentile per-packet one-way delay: 154.395 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 258.38 Mbit/s
95th percentile per-packet one-way delay: 138.792 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 112.19 Mbit/s
95th percentile per-packet one-way delay: 138.098 ms
Loss rate: 4.54%
```

Run 9: Report of PCC-Vivace — Data Link

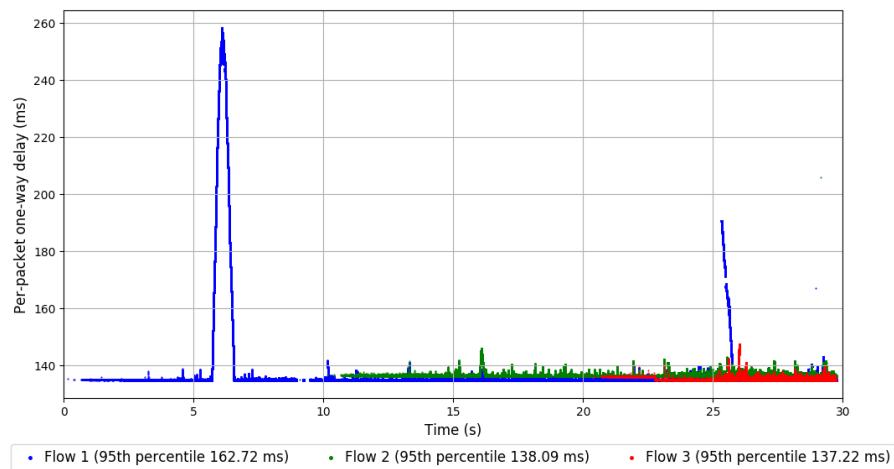
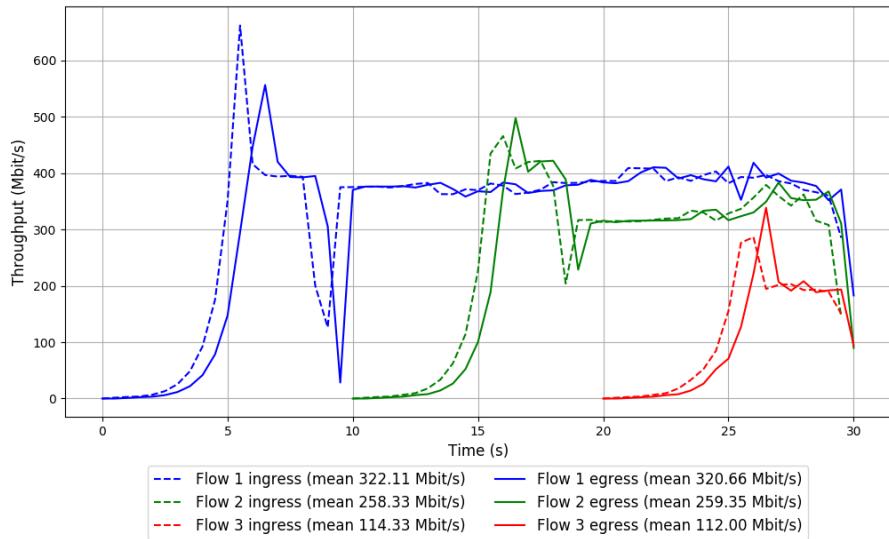


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-25 18:31:27
End at: 2018-05-25 18:31:57
Local clock offset: 0.168 ms
Remote clock offset: -0.211 ms

# Below is generated by plot.py at 2018-05-25 21:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 528.56 Mbit/s
95th percentile per-packet one-way delay: 139.597 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 320.66 Mbit/s
95th percentile per-packet one-way delay: 162.725 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 259.35 Mbit/s
95th percentile per-packet one-way delay: 138.086 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 112.00 Mbit/s
95th percentile per-packet one-way delay: 137.218 ms
Loss rate: 4.82%
```

Run 10: Report of PCC-Vivace — Data Link

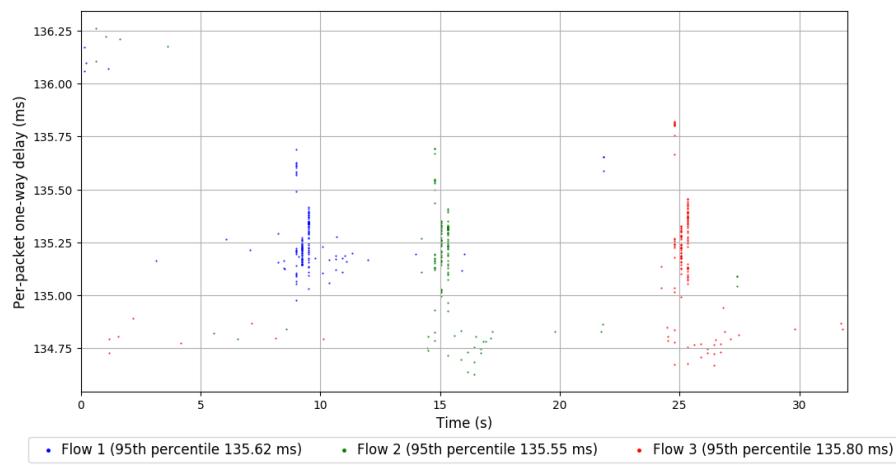
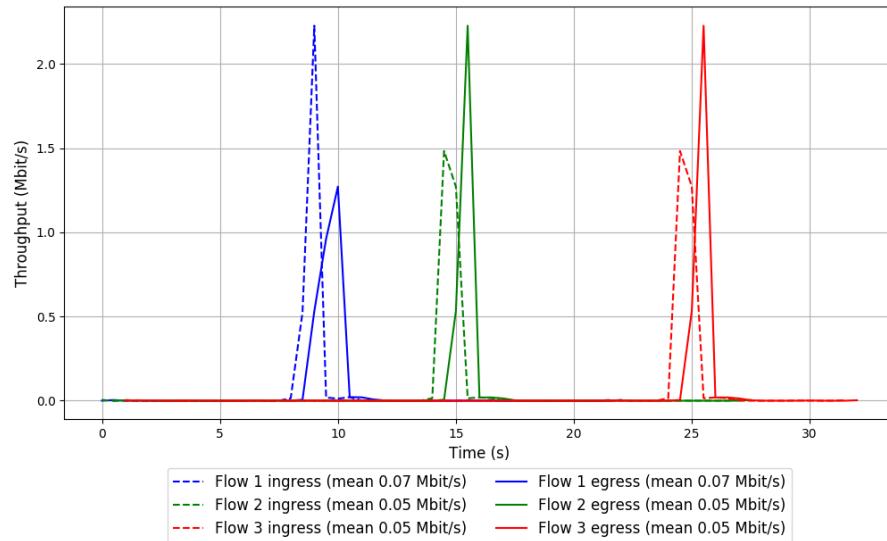


Run 1: Statistics of WebRTC media

```
Start at: 2018-05-25 14:59:30
End at: 2018-05-25 15:00:00
Local clock offset: 0.17 ms
Remote clock offset: -0.262 ms

# Below is generated by plot.py at 2018-05-25 21:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 135.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 135.622 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.548 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.801 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

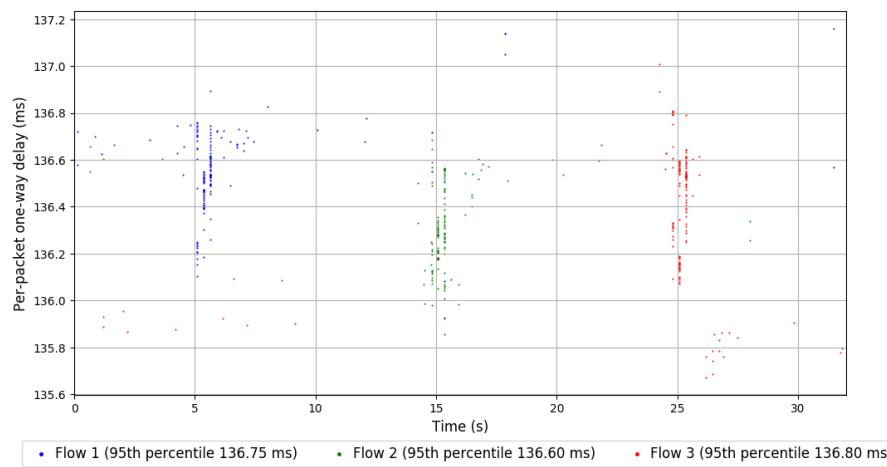
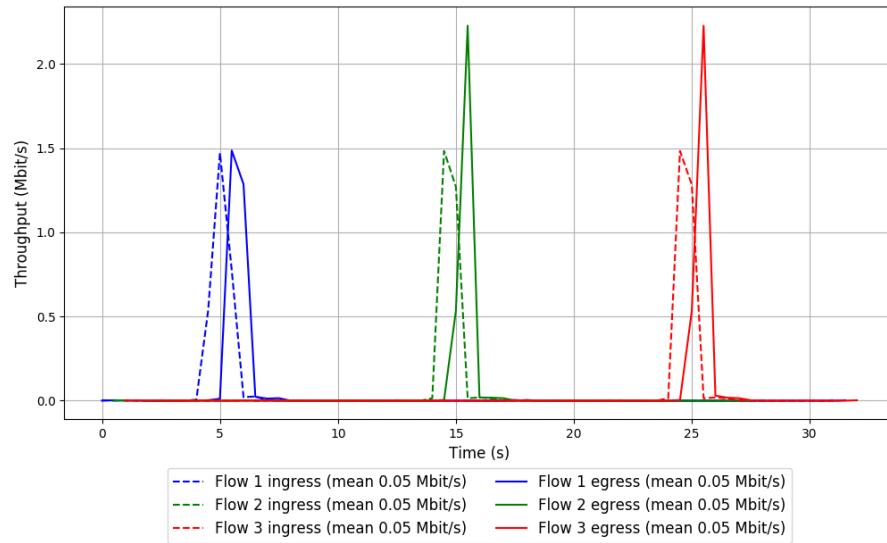


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-25 15:24:29
End at: 2018-05-25 15:24:59
Local clock offset: 0.327 ms
Remote clock offset: -0.247 ms

# Below is generated by plot.py at 2018-05-25 21:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 136.744 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.755 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.603 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.796 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

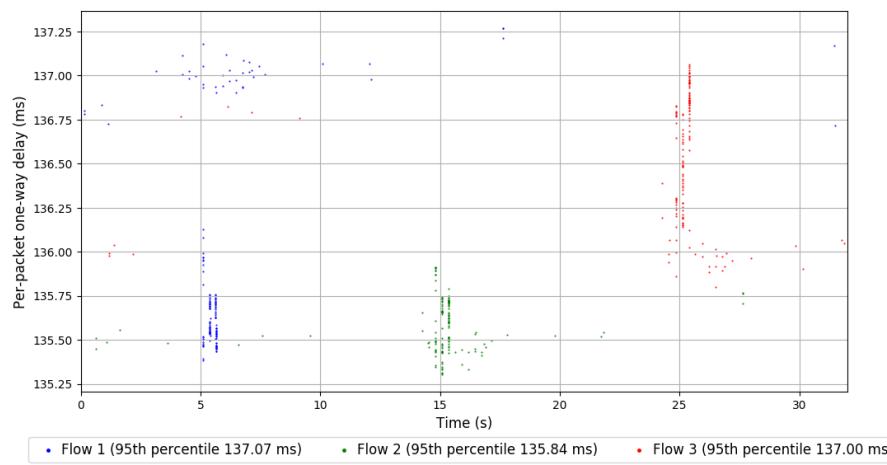
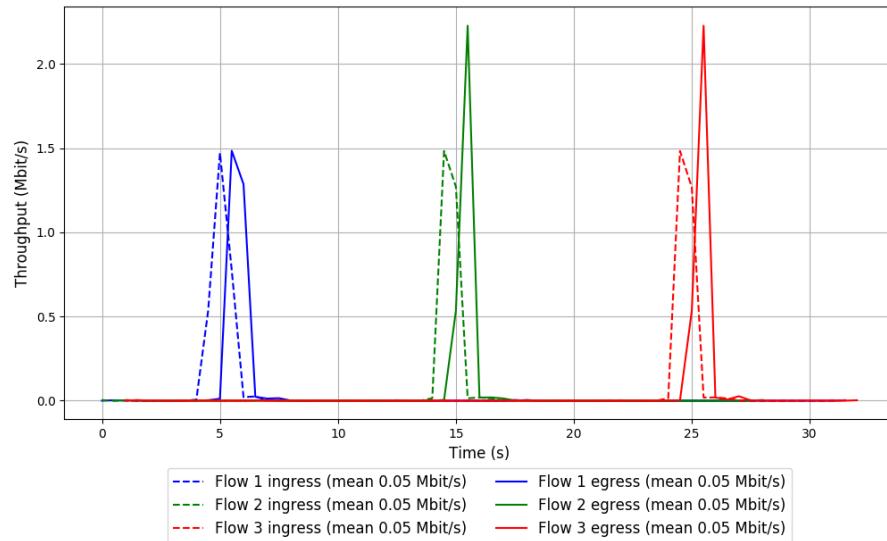


Run 3: Statistics of WebRTC media

```
Start at: 2018-05-25 15:49:41
End at: 2018-05-25 15:50:11
Local clock offset: 0.503 ms
Remote clock offset: -0.214 ms

# Below is generated by plot.py at 2018-05-25 21:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 137.015 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.075 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.997 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

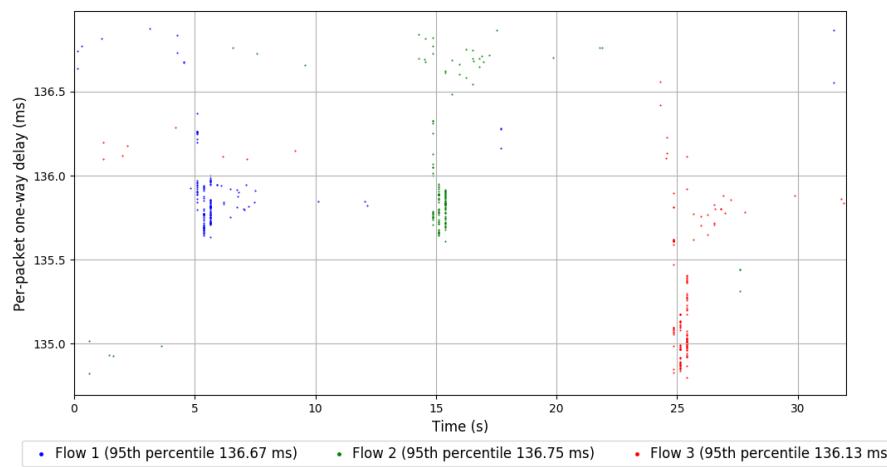
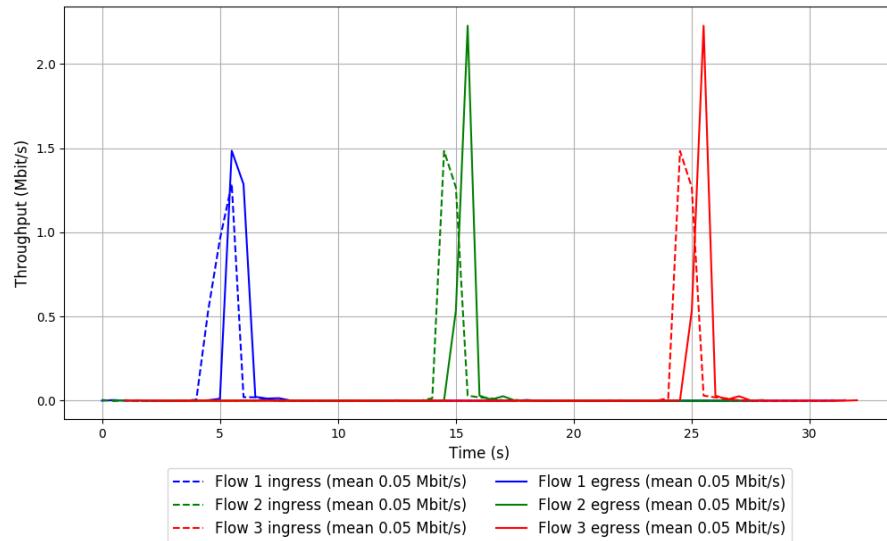


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-25 16:14:50
End at: 2018-05-25 16:15:20
Local clock offset: -0.106 ms
Remote clock offset: -0.233 ms

# Below is generated by plot.py at 2018-05-25 21:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 136.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.672 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.751 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.133 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

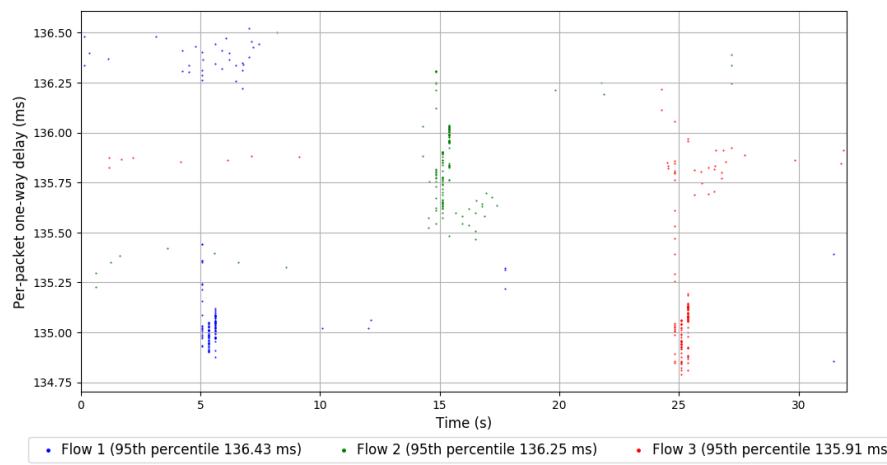
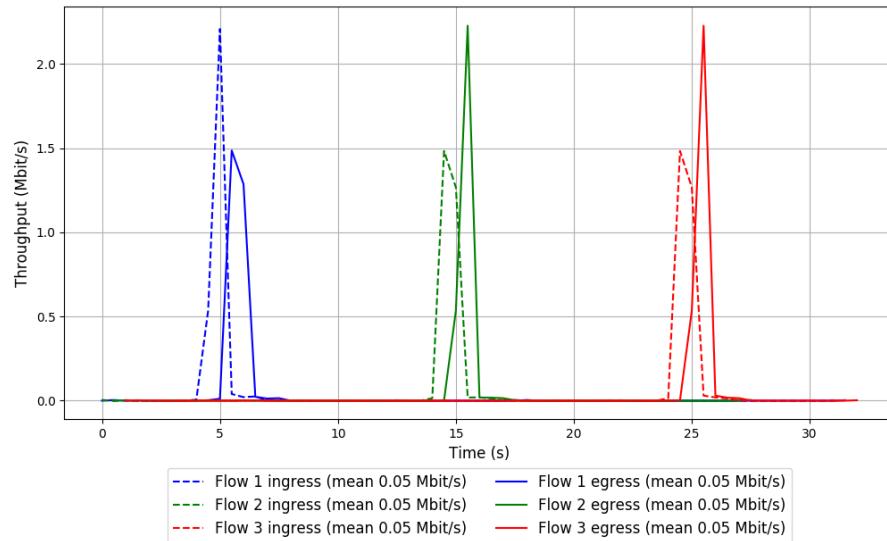


```
Run 5: Statistics of WebRTC media

Start at: 2018-05-25 16:39:56
End at: 2018-05-25 16:40:26
Local clock offset: -0.127 ms
Remote clock offset: -0.212 ms

# Below is generated by plot.py at 2018-05-25 21:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 136.337 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.432 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.248 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.913 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

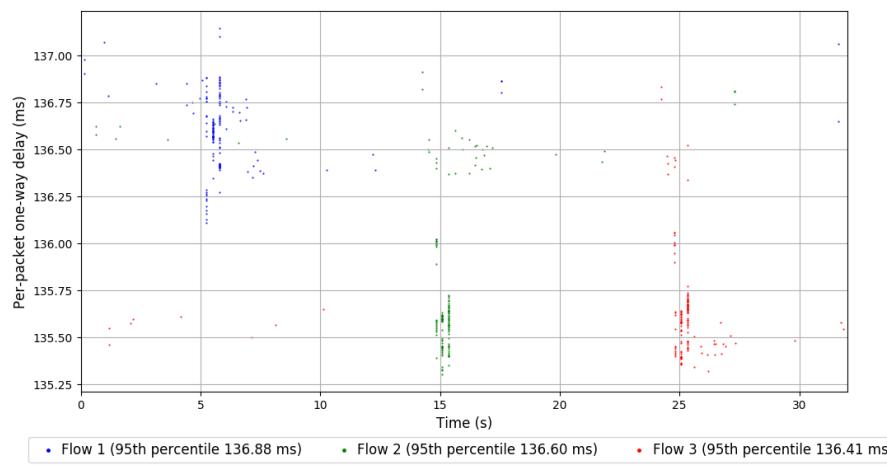
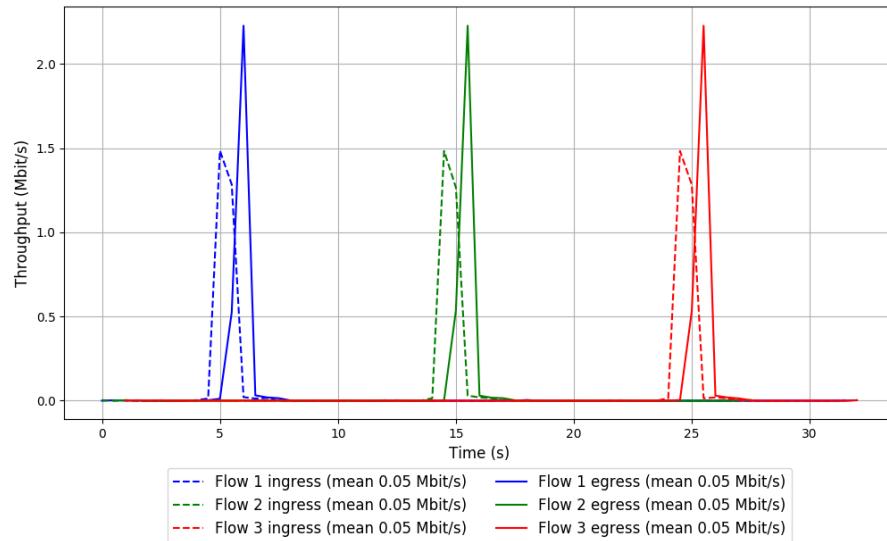


```
Run 6: Statistics of WebRTC media

Start at: 2018-05-25 17:05:08
End at: 2018-05-25 17:05:38
Local clock offset: 0.123 ms
Remote clock offset: -0.537 ms

# Below is generated by plot.py at 2018-05-25 21:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 136.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.881 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.601 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.406 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

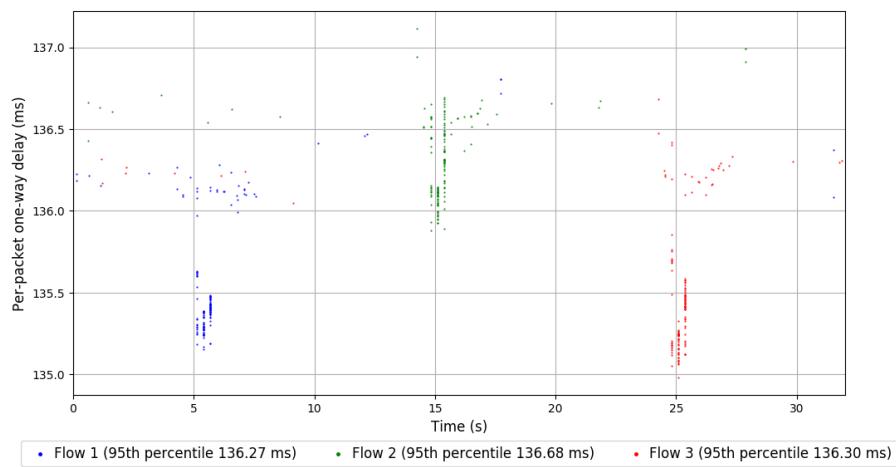
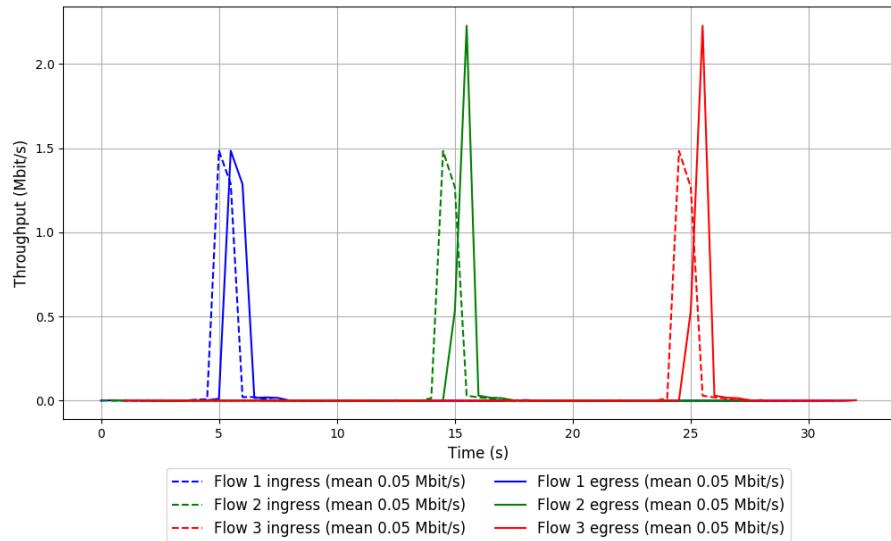


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-25 17:30:16
End at: 2018-05-25 17:30:46
Local clock offset: 0.168 ms
Remote clock offset: -0.219 ms

# Below is generated by plot.py at 2018-05-25 21:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 136.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.676 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.303 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

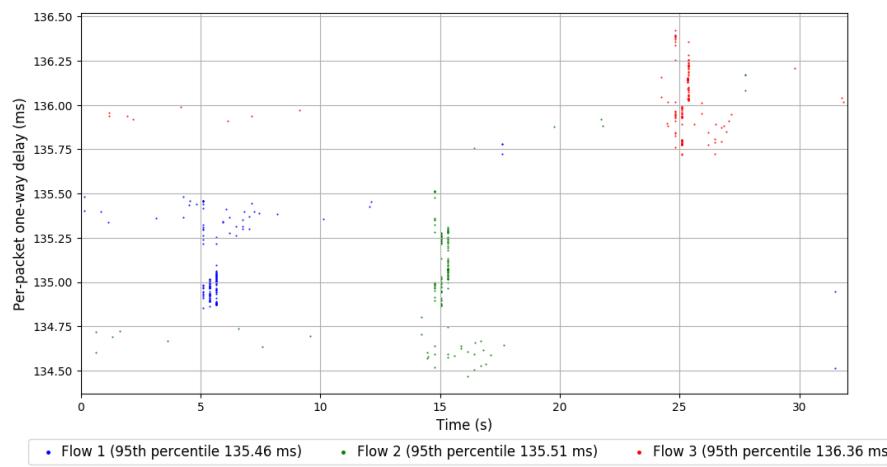
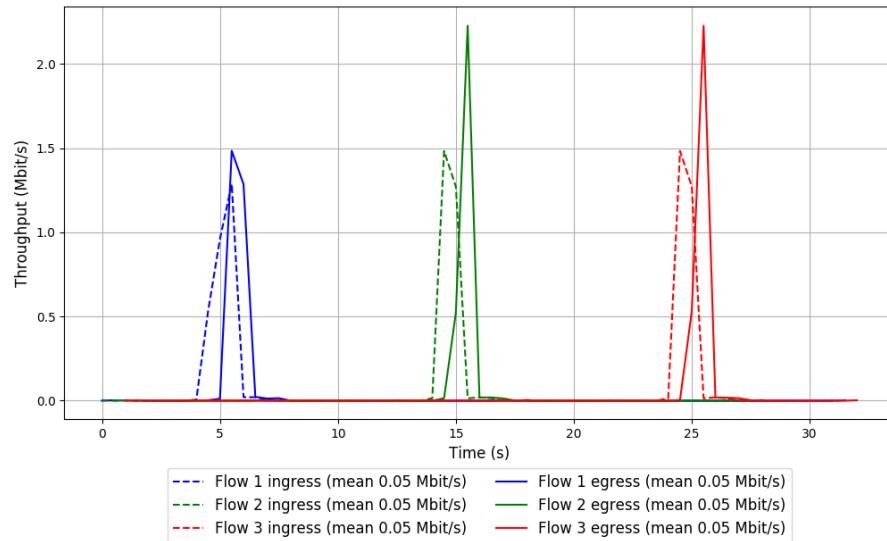


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-25 17:55:35
End at: 2018-05-25 17:56:05
Local clock offset: -0.006 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2018-05-25 21:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 136.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.457 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.513 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.359 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

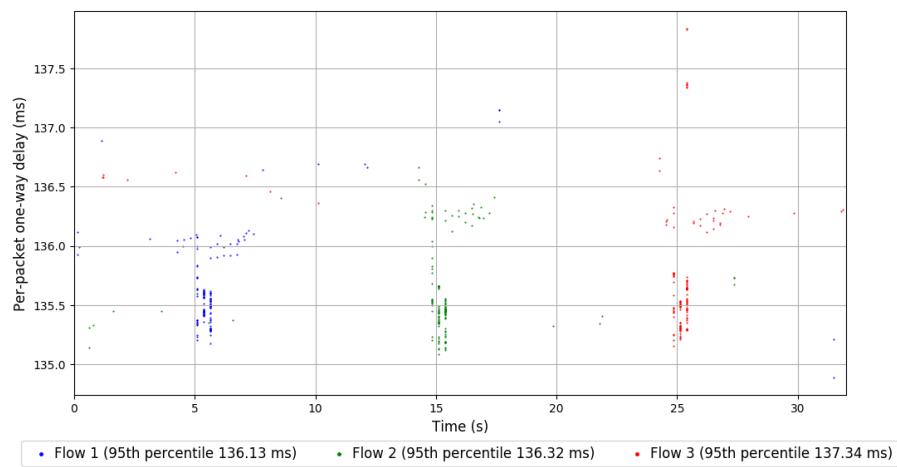
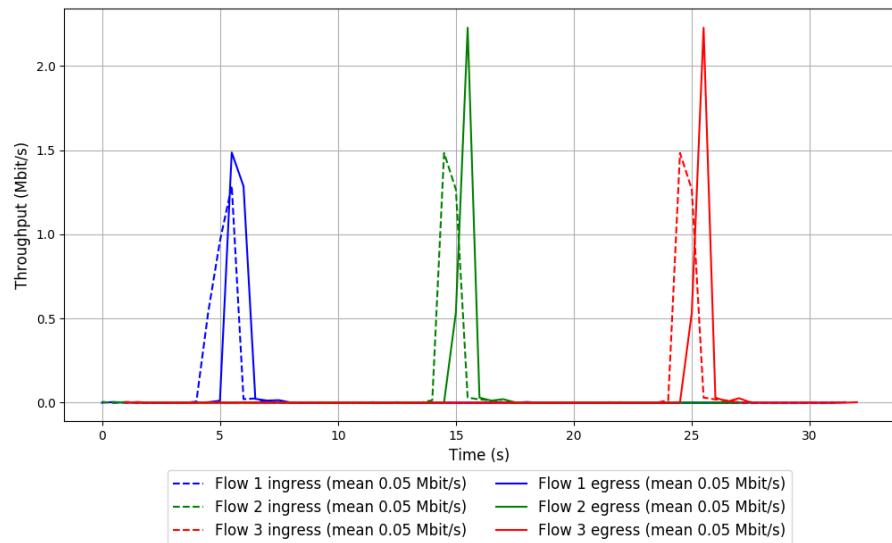


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-25 18:20:57
End at: 2018-05-25 18:21:27
Local clock offset: 0.339 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2018-05-25 21:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 136.578 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.131 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.321 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.336 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-25 18:46:09
End at: 2018-05-25 18:46:39
Local clock offset: -0.201 ms
Remote clock offset: -0.189 ms

# Below is generated by plot.py at 2018-05-25 21:06:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 136.129 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.821 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.222 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.061 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

