

Pantheon Report

Generated at 2018-06-19 00:16:15 (UTC).

Data path: AWS Korea Ethernet (*local*) → China Ethernet (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

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

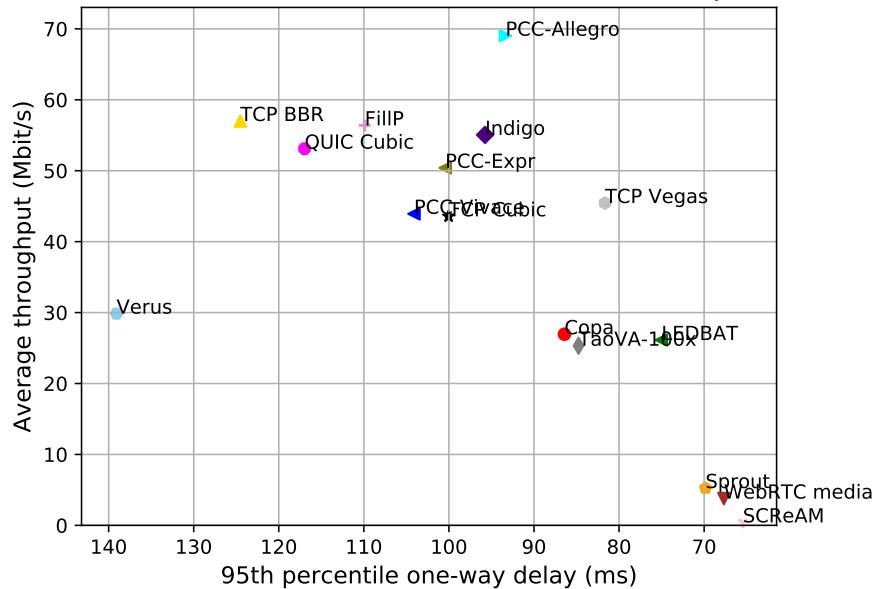
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

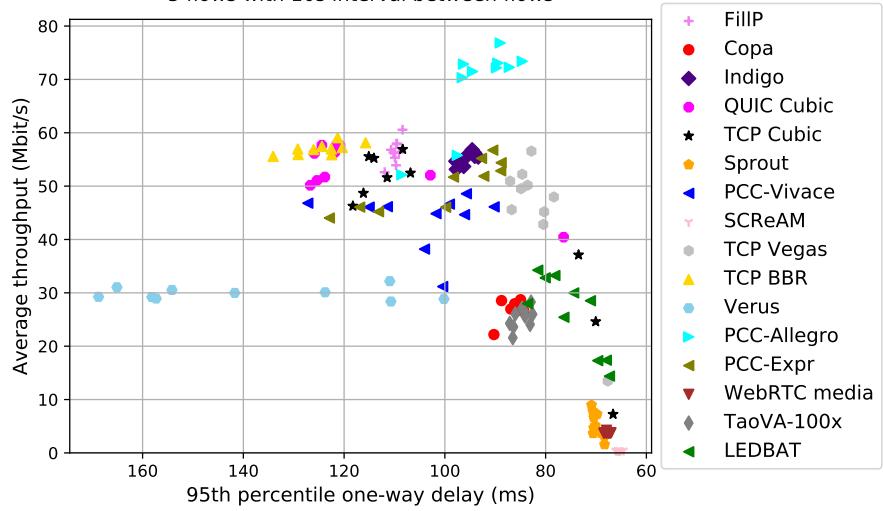
Git summary:

```
branch: master @ 9141c5f9450c85ea5ea2ea755a8e946998d3abf3
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
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS Korea to China, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS Korea to China, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



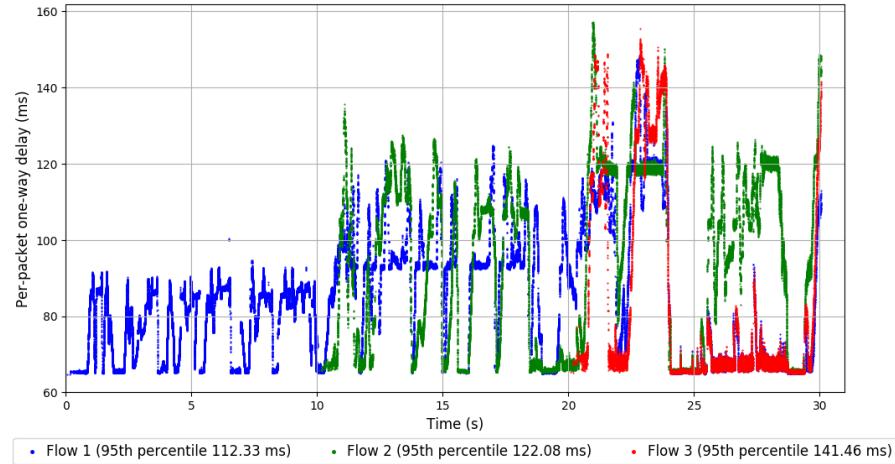
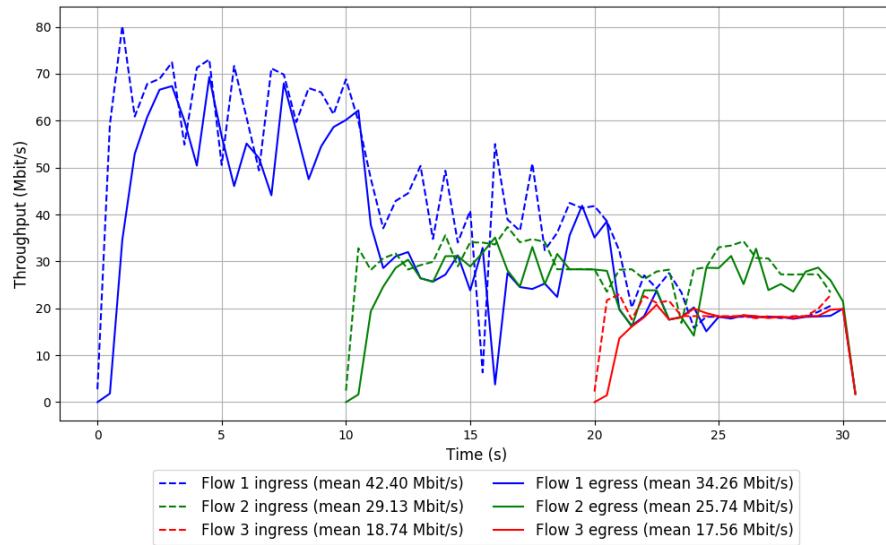
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	33.88	25.14	19.20	111.32	126.51	138.94	14.42	14.93	12.45
Copa		14.41	12.96	12.86	85.05	88.05	89.82	2.85	2.54	2.52
TCP Cubic		21.43	23.11	20.29	98.15	99.77	102.61	0.41	0.76	0.97
FillP		34.40	23.64	18.86	105.28	111.69	118.53	32.36	33.50	33.48
Indigo		35.17	22.32	15.86	97.46	92.25	88.96	2.73	0.93	1.38
LEDBAT		14.96	12.41	8.79	74.98	77.04	70.26	0.17	0.25	0.07
PCC-Allegro		50.89	21.43	11.80	91.08	78.43	74.96	10.44	3.84	2.60
PCC-Expr		41.16	11.35	5.18	94.94	113.24	106.95	41.57	27.34	44.70
QUIC Cubic		30.18	25.36	18.70	112.70	117.05	123.90	2.30	1.78	2.71
SCReAM		0.20	0.21	0.22	65.39	65.33	65.36	0.09	0.00	0.00
Sprout		2.58	2.73	2.61	69.31	69.11	68.67	1.14	0.99	0.85
TaoVA-100x		13.52	12.95	9.75	81.66	85.25	95.96	3.35	3.49	7.63
TCP Vegas		23.01	23.46	20.46	80.48	79.03	81.25	0.22	0.27	0.68
Verus		20.74	12.17	3.39	129.98	125.36	120.47	81.92	69.98	49.57
PCC-Vivace		29.66	17.72	7.50	99.98	99.79	84.54	4.25	1.35	0.78
WebRTC media		2.00	1.30	0.48	67.75	67.37	68.15	0.01	0.03	0.01

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-18 16:31:23
End at: 2018-06-18 16:31:53
Local clock offset: -4.37 ms
Remote clock offset: -1.545 ms

# Below is generated by plot.py at 2018-06-19 00:03:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.24 Mbit/s
95th percentile per-packet one-way delay: 120.347 ms
Loss rate: 15.87%
-- Flow 1:
Average throughput: 34.26 Mbit/s
95th percentile per-packet one-way delay: 112.331 ms
Loss rate: 19.21%
-- Flow 2:
Average throughput: 25.74 Mbit/s
95th percentile per-packet one-way delay: 122.075 ms
Loss rate: 11.64%
-- Flow 3:
Average throughput: 17.56 Mbit/s
95th percentile per-packet one-way delay: 141.458 ms
Loss rate: 6.31%
```

Run 1: Report of TCP BBR — Data Link

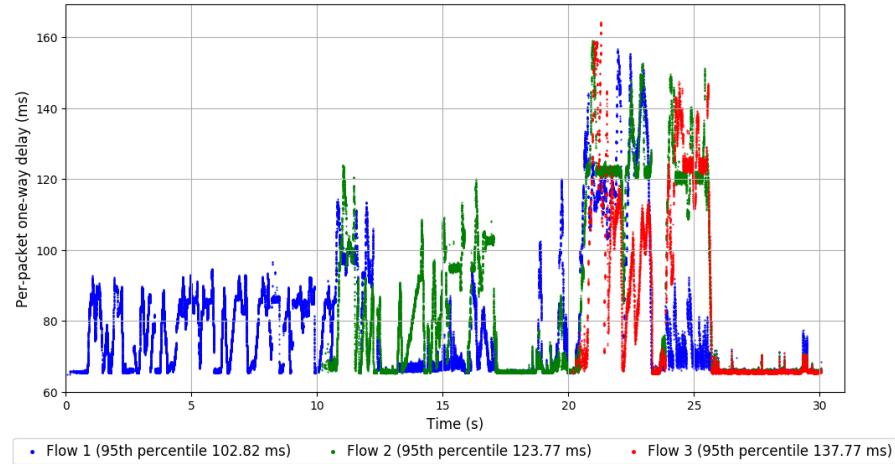
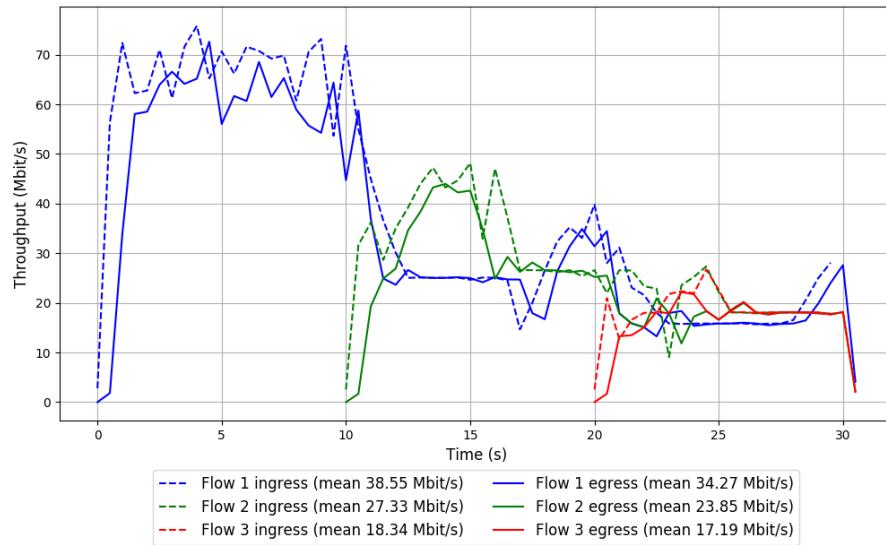


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-18 17:15:00
End at: 2018-06-18 17:15:30
Local clock offset: -3.72 ms
Remote clock offset: -0.403 ms

# Below is generated by plot.py at 2018-06-19 00:03:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.88 Mbit/s
95th percentile per-packet one-way delay: 122.457 ms
Loss rate: 11.10%
-- Flow 1:
Average throughput: 34.27 Mbit/s
95th percentile per-packet one-way delay: 102.816 ms
Loss rate: 11.09%
-- Flow 2:
Average throughput: 23.85 Mbit/s
95th percentile per-packet one-way delay: 123.767 ms
Loss rate: 12.74%
-- Flow 3:
Average throughput: 17.19 Mbit/s
95th percentile per-packet one-way delay: 137.771 ms
Loss rate: 6.32%
```

Run 2: Report of TCP BBR — Data Link

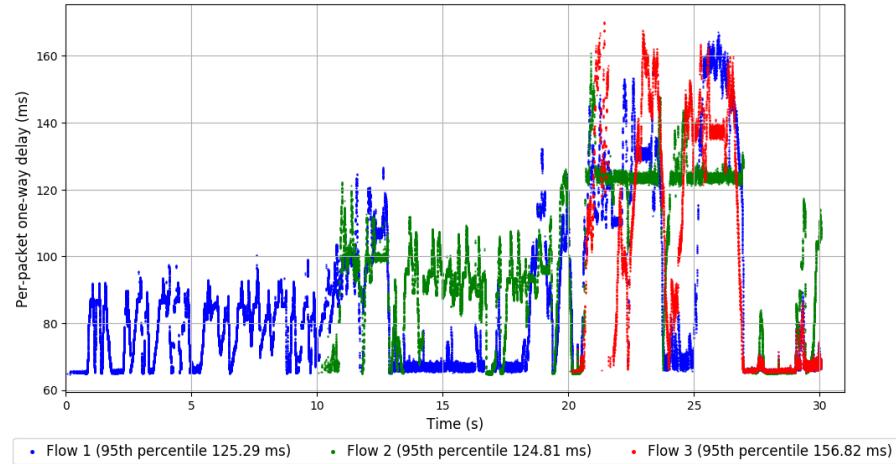
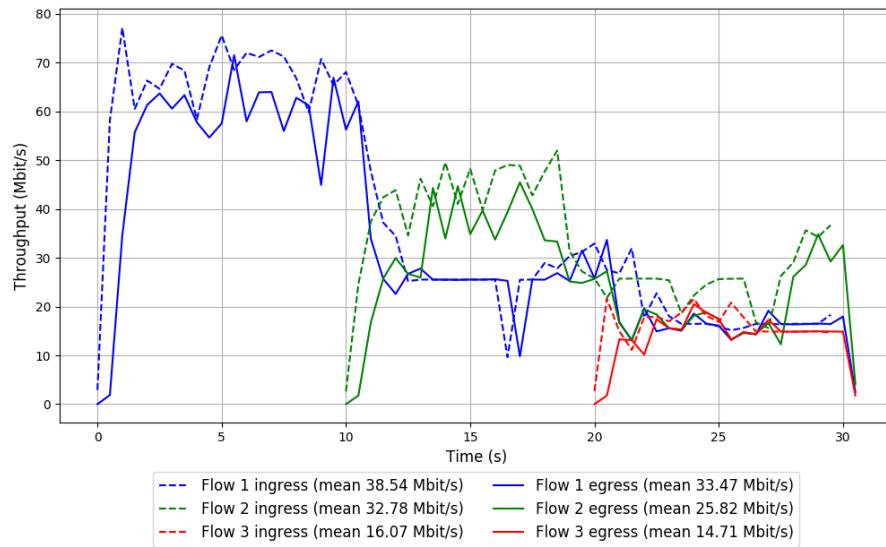


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-18 18:01:00
End at: 2018-06-18 18:01:30
Local clock offset: -3.089 ms
Remote clock offset: -0.864 ms

# Below is generated by plot.py at 2018-06-19 00:03:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.58 Mbit/s
95th percentile per-packet one-way delay: 134.086 ms
Loss rate: 15.44%
-- Flow 1:
Average throughput: 33.47 Mbit/s
95th percentile per-packet one-way delay: 125.286 ms
Loss rate: 13.14%
-- Flow 2:
Average throughput: 25.82 Mbit/s
95th percentile per-packet one-way delay: 124.815 ms
Loss rate: 21.22%
-- Flow 3:
Average throughput: 14.71 Mbit/s
95th percentile per-packet one-way delay: 156.817 ms
Loss rate: 8.44%
```

Run 3: Report of TCP BBR — Data Link

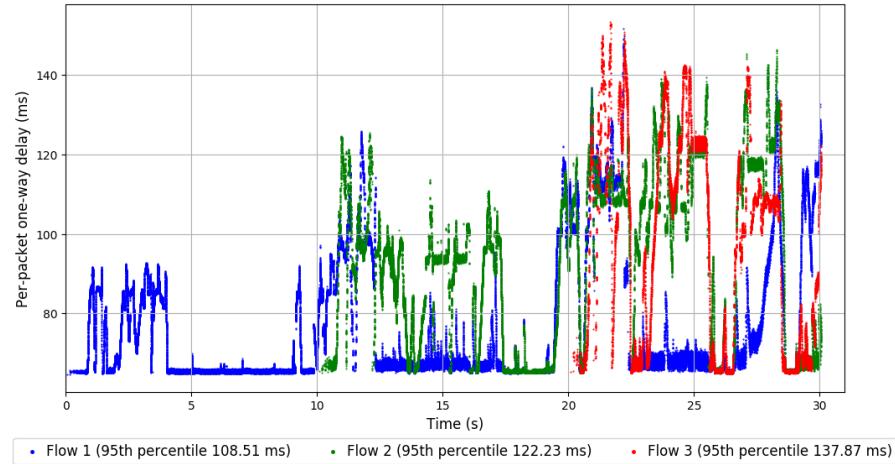
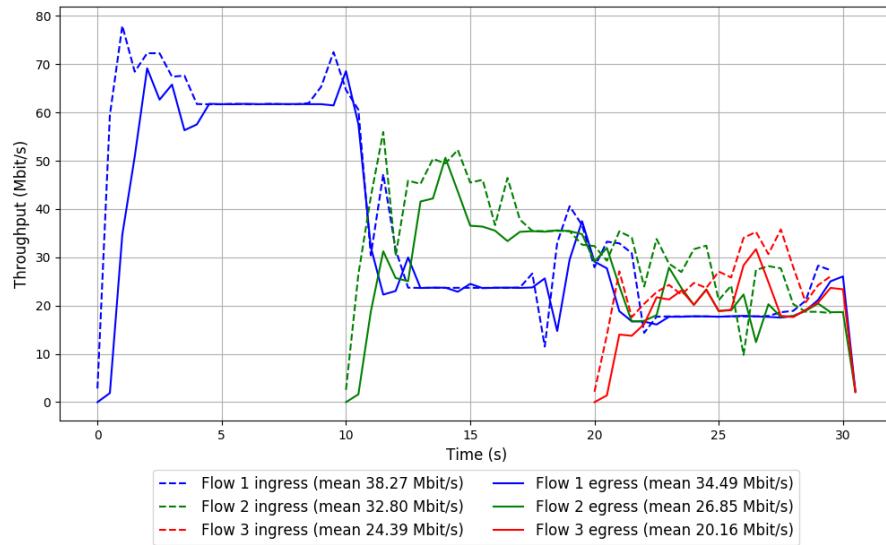


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-18 18:48:04
End at: 2018-06-18 18:48:34
Local clock offset: 8.165 ms
Remote clock offset: -1.555 ms

# Below is generated by plot.py at 2018-06-19 00:03:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 121.282 ms
Loss rate: 13.38%
-- Flow 1:
Average throughput: 34.49 Mbit/s
95th percentile per-packet one-way delay: 108.507 ms
Loss rate: 9.82%
-- Flow 2:
Average throughput: 26.85 Mbit/s
95th percentile per-packet one-way delay: 122.226 ms
Loss rate: 18.16%
-- Flow 3:
Average throughput: 20.16 Mbit/s
95th percentile per-packet one-way delay: 137.874 ms
Loss rate: 17.33%
```

Run 4: Report of TCP BBR — Data Link

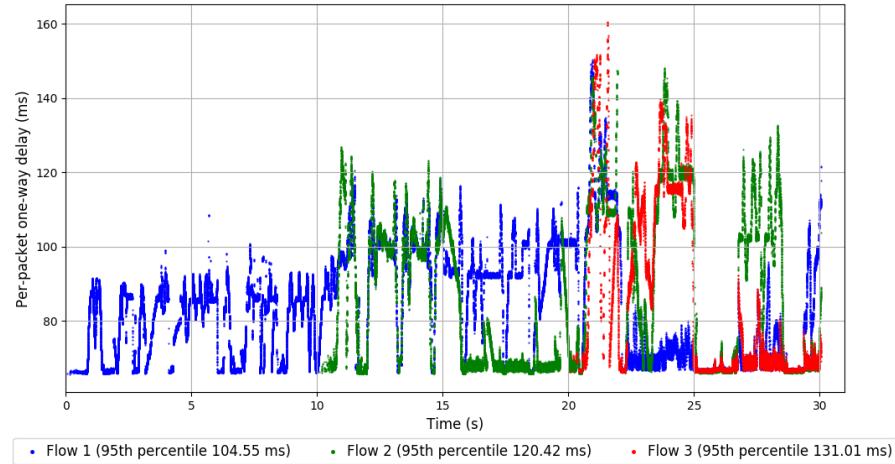
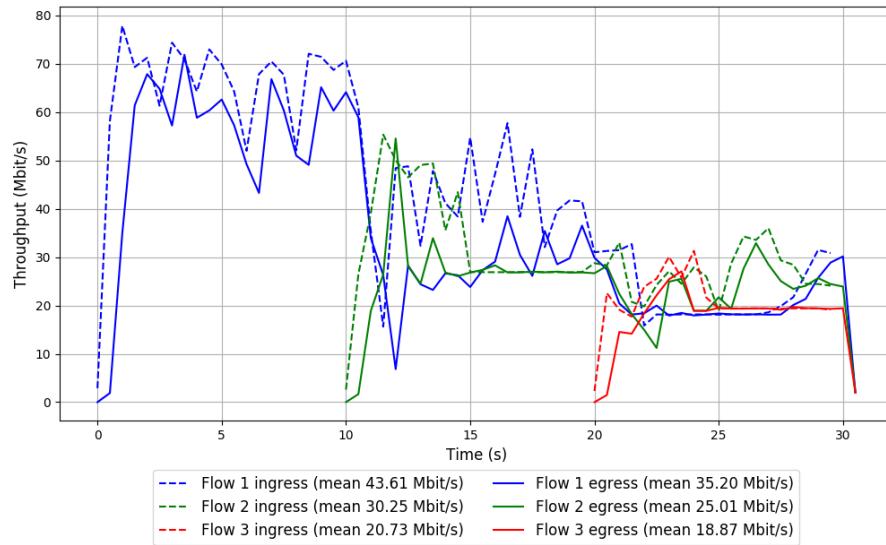


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-18 19:35:02
End at: 2018-06-18 19:35:32
Local clock offset: -3.232 ms
Remote clock offset: -1.962 ms

# Below is generated by plot.py at 2018-06-19 00:03:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: 115.728 ms
Loss rate: 17.70%
-- Flow 1:
Average throughput: 35.20 Mbit/s
95th percentile per-packet one-way delay: 104.545 ms
Loss rate: 19.27%
-- Flow 2:
Average throughput: 25.01 Mbit/s
95th percentile per-packet one-way delay: 120.422 ms
Loss rate: 17.28%
-- Flow 3:
Average throughput: 18.87 Mbit/s
95th percentile per-packet one-way delay: 131.009 ms
Loss rate: 9.02%
```

Run 5: Report of TCP BBR — Data Link

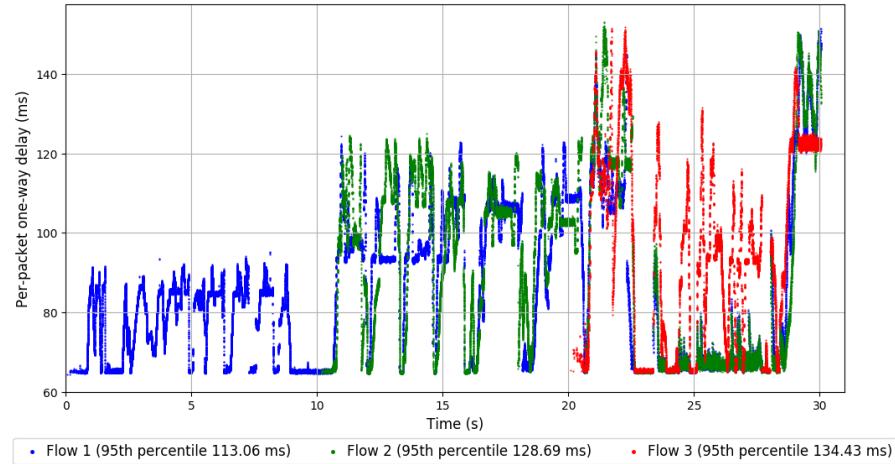
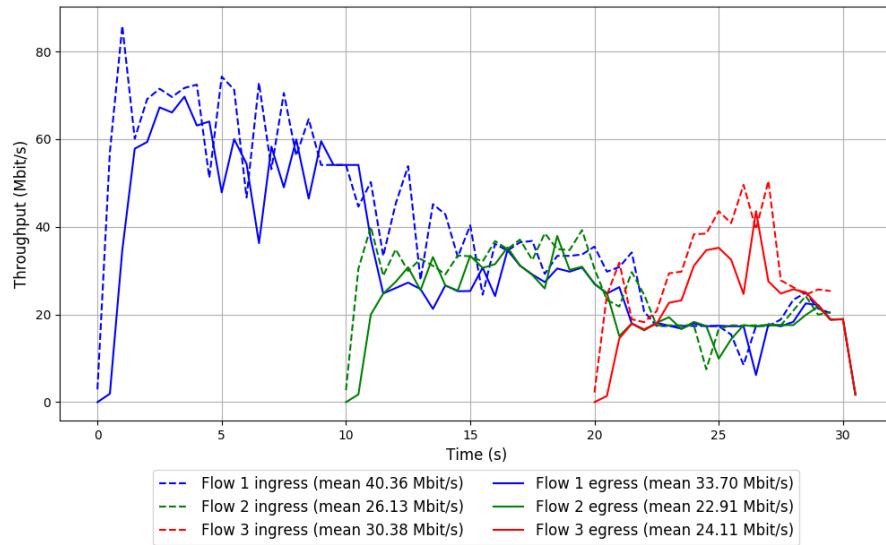


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-18 20:21:49
End at: 2018-06-18 20:22:19
Local clock offset: 5.432 ms
Remote clock offset: -0.423 ms

# Below is generated by plot.py at 2018-06-19 00:03:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.97 Mbit/s
95th percentile per-packet one-way delay: 122.535 ms
Loss rate: 16.04%
-- Flow 1:
Average throughput: 33.70 Mbit/s
95th percentile per-packet one-way delay: 113.060 ms
Loss rate: 16.48%
-- Flow 2:
Average throughput: 22.91 Mbit/s
95th percentile per-packet one-way delay: 128.695 ms
Loss rate: 12.34%
-- Flow 3:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 134.427 ms
Loss rate: 20.65%
```

Run 6: Report of TCP BBR — Data Link

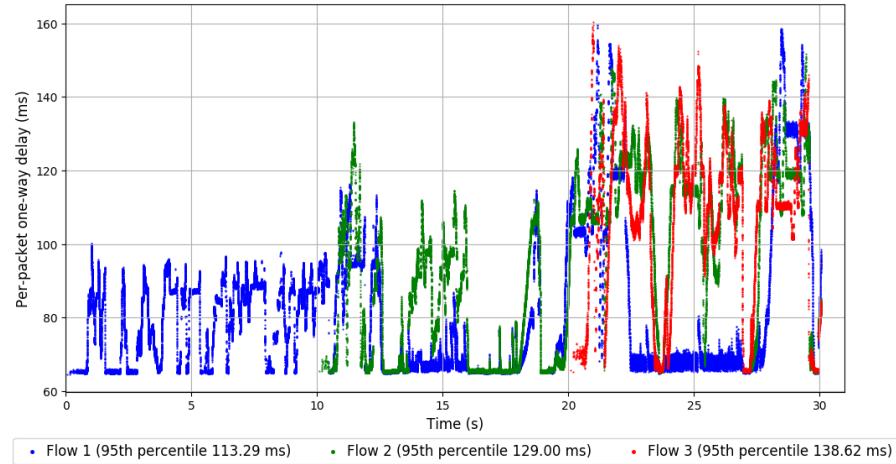
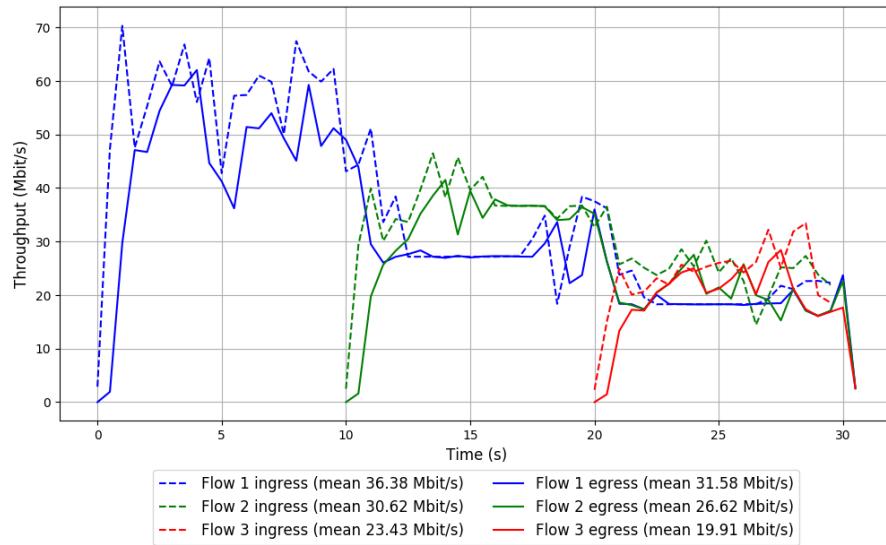


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-18 21:08:30
End at: 2018-06-18 21:09:00
Local clock offset: 8.364 ms
Remote clock offset: -0.812 ms

# Below is generated by plot.py at 2018-06-19 00:03:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 129.132 ms
Loss rate: 13.36%
-- Flow 1:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 113.291 ms
Loss rate: 13.20%
-- Flow 2:
Average throughput: 26.62 Mbit/s
95th percentile per-packet one-way delay: 129.003 ms
Loss rate: 13.06%
-- Flow 3:
Average throughput: 19.91 Mbit/s
95th percentile per-packet one-way delay: 138.622 ms
Loss rate: 14.93%
```

Run 7: Report of TCP BBR — Data Link

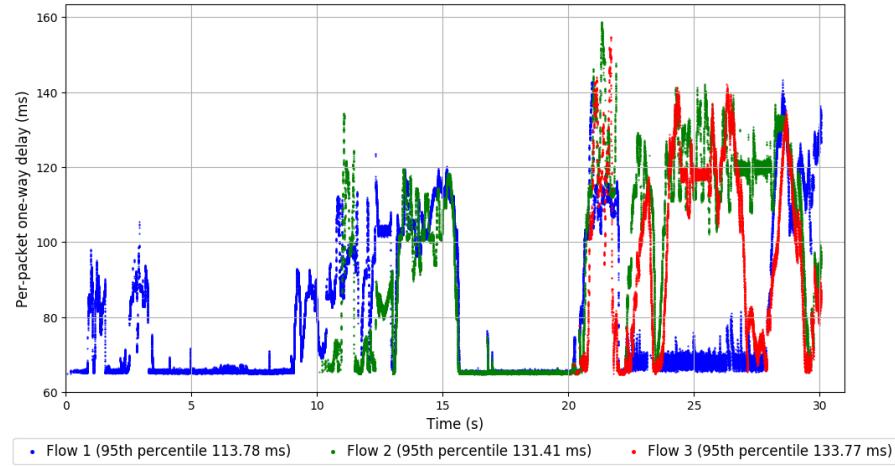
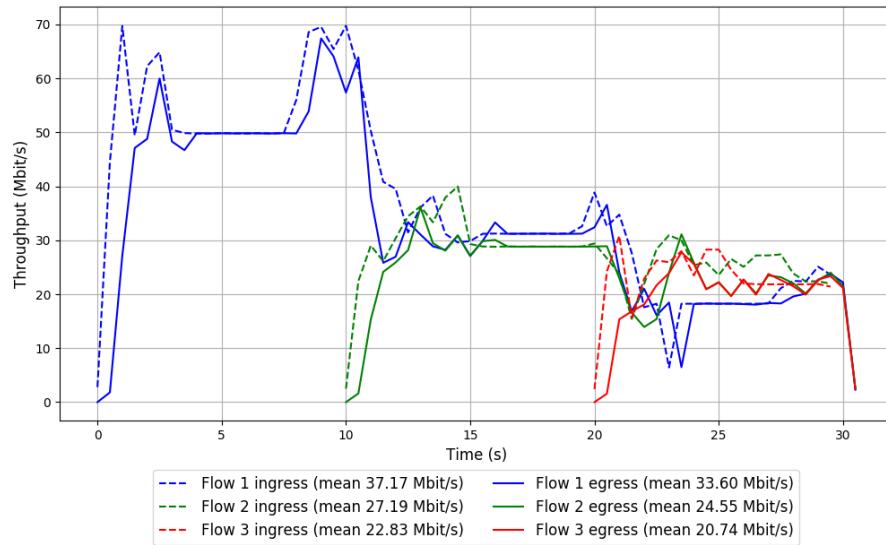


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-18 21:55:36
End at: 2018-06-18 21:56:06
Local clock offset: -3.53 ms
Remote clock offset: -1.619 ms

# Below is generated by plot.py at 2018-06-19 00:03:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.85 Mbit/s
95th percentile per-packet one-way delay: 126.074 ms
Loss rate: 9.58%
-- Flow 1:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 113.775 ms
Loss rate: 9.61%
-- Flow 2:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 131.411 ms
Loss rate: 9.69%
-- Flow 3:
Average throughput: 20.74 Mbit/s
95th percentile per-packet one-way delay: 133.774 ms
Loss rate: 9.13%
```

Run 8: Report of TCP BBR — Data Link

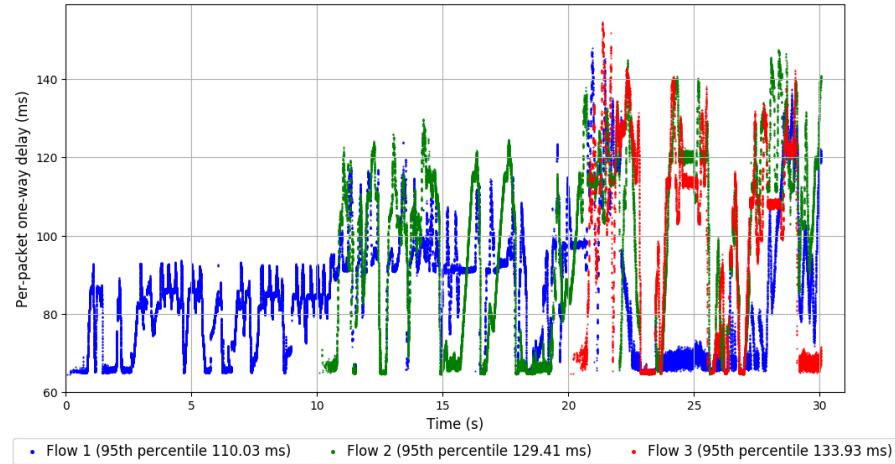
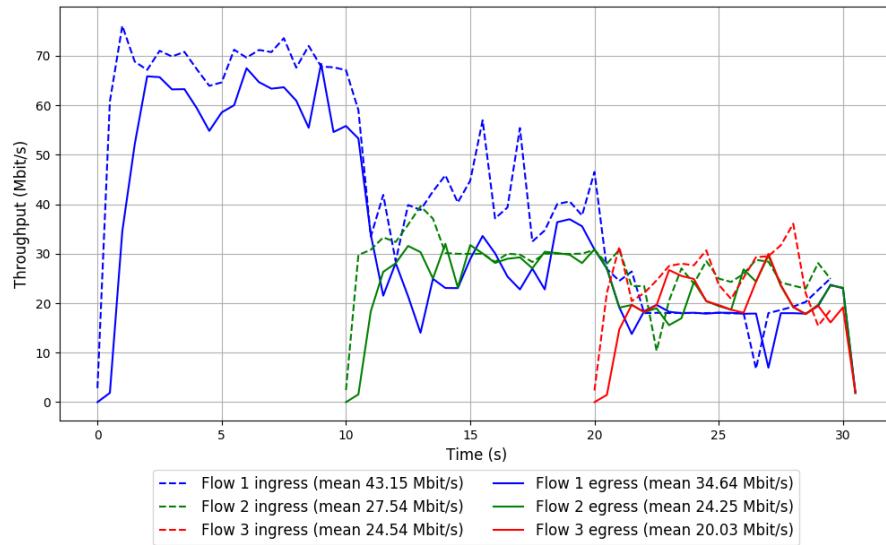


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-18 22:42:55
End at: 2018-06-18 22:43:25
Local clock offset: 5.415 ms
Remote clock offset: -0.355 ms

# Below is generated by plot.py at 2018-06-19 00:04:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.45 Mbit/s
95th percentile per-packet one-way delay: 124.393 ms
Loss rate: 17.51%
-- Flow 1:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 110.034 ms
Loss rate: 19.71%
-- Flow 2:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 129.414 ms
Loss rate: 11.97%
-- Flow 3:
Average throughput: 20.03 Mbit/s
95th percentile per-packet one-way delay: 133.932 ms
Loss rate: 18.38%
```

Run 9: Report of TCP BBR — Data Link

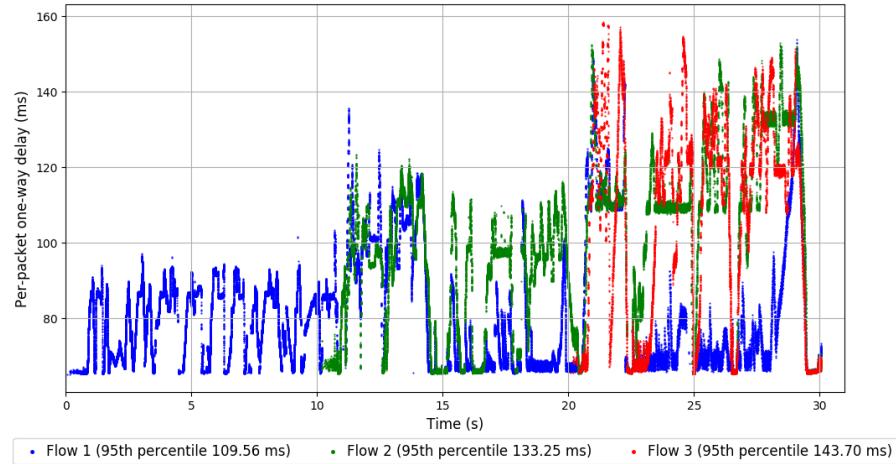
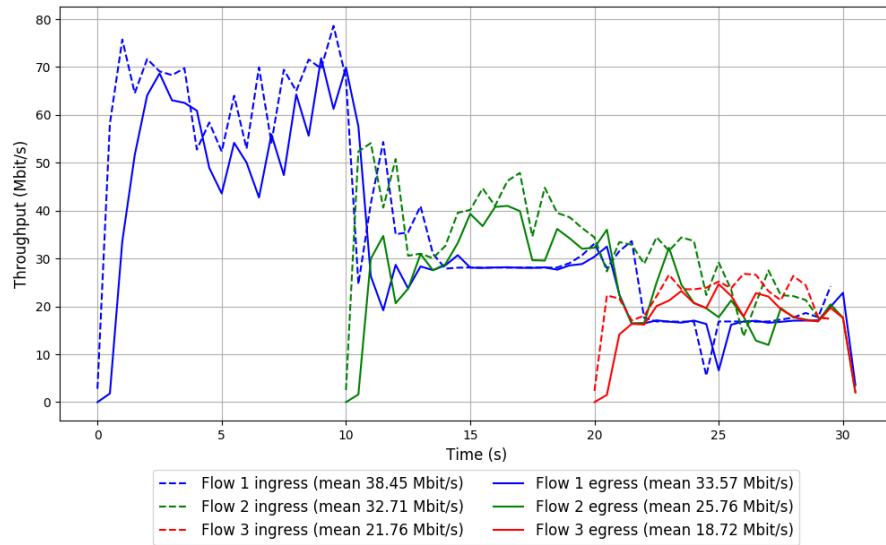


Run 10: Statistics of TCP BBR

```
Start at: 2018-06-18 23:28:26
End at: 2018-06-18 23:28:56
Local clock offset: 8.598 ms
Remote clock offset: -1.035 ms

# Below is generated by plot.py at 2018-06-19 00:04:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.96 Mbit/s
95th percentile per-packet one-way delay: 129.197 ms
Loss rate: 15.58%
-- Flow 1:
Average throughput: 33.57 Mbit/s
95th percentile per-packet one-way delay: 109.560 ms
Loss rate: 12.68%
-- Flow 2:
Average throughput: 25.76 Mbit/s
95th percentile per-packet one-way delay: 133.255 ms
Loss rate: 21.25%
-- Flow 3:
Average throughput: 18.72 Mbit/s
95th percentile per-packet one-way delay: 143.704 ms
Loss rate: 13.96%
```

Run 10: Report of TCP BBR — Data Link

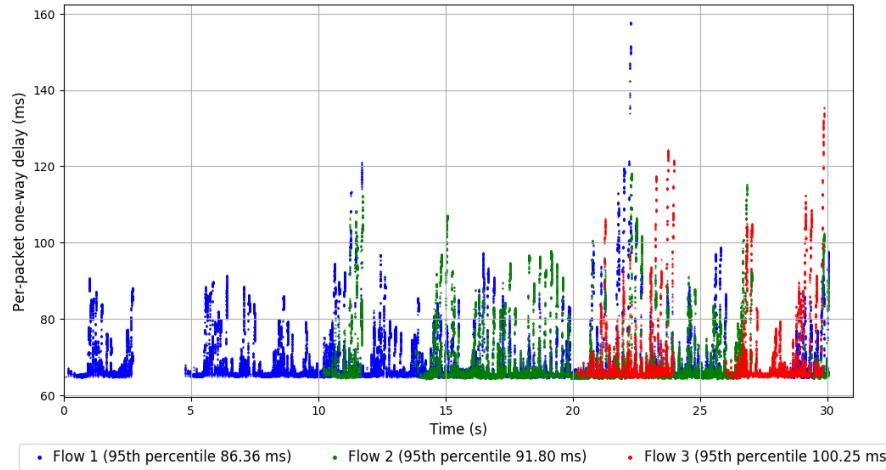
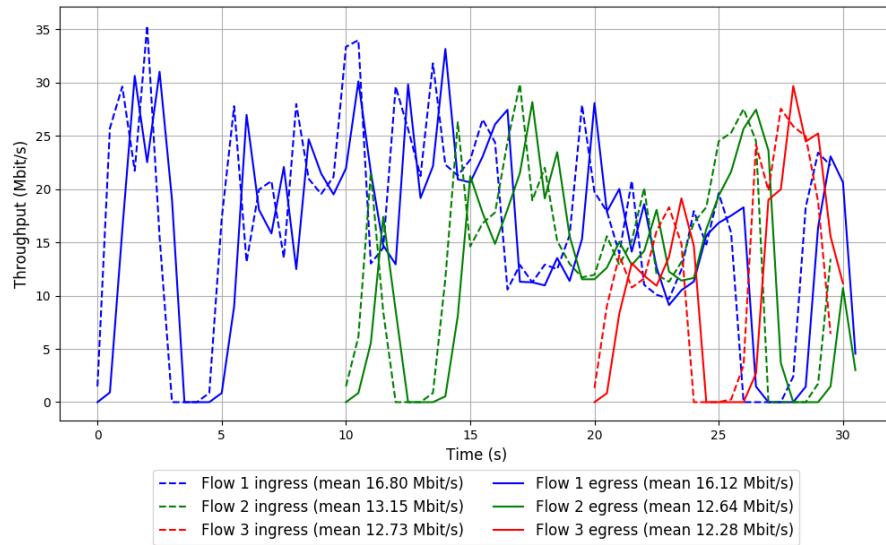


Run 1: Statistics of Copa

```
Start at: 2018-06-18 16:43:05
End at: 2018-06-18 16:43:35
Local clock offset: -6.379 ms
Remote clock offset: -0.81 ms

# Below is generated by plot.py at 2018-06-19 00:04:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.54 Mbit/s
95th percentile per-packet one-way delay: 88.752 ms
Loss rate: 3.75%
-- Flow 1:
Average throughput: 16.12 Mbit/s
95th percentile per-packet one-way delay: 86.357 ms
Loss rate: 3.96%
-- Flow 2:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 91.799 ms
Loss rate: 3.81%
-- Flow 3:
Average throughput: 12.28 Mbit/s
95th percentile per-packet one-way delay: 100.254 ms
Loss rate: 2.81%
```

Run 1: Report of Copa — Data Link

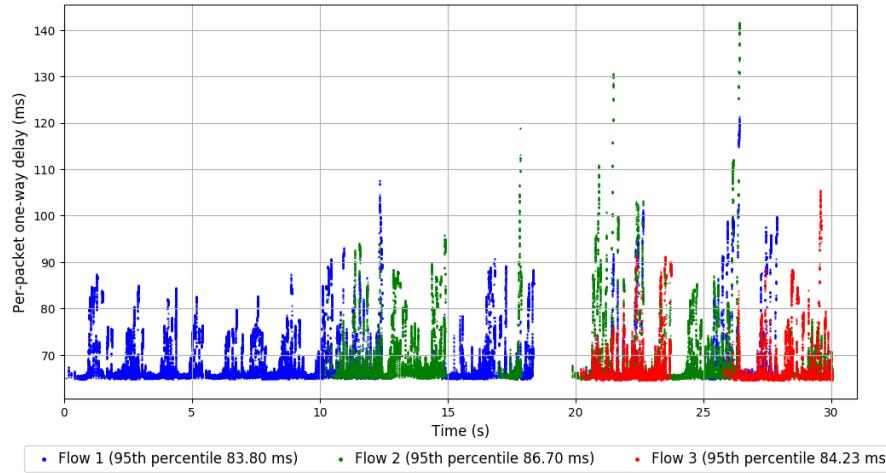
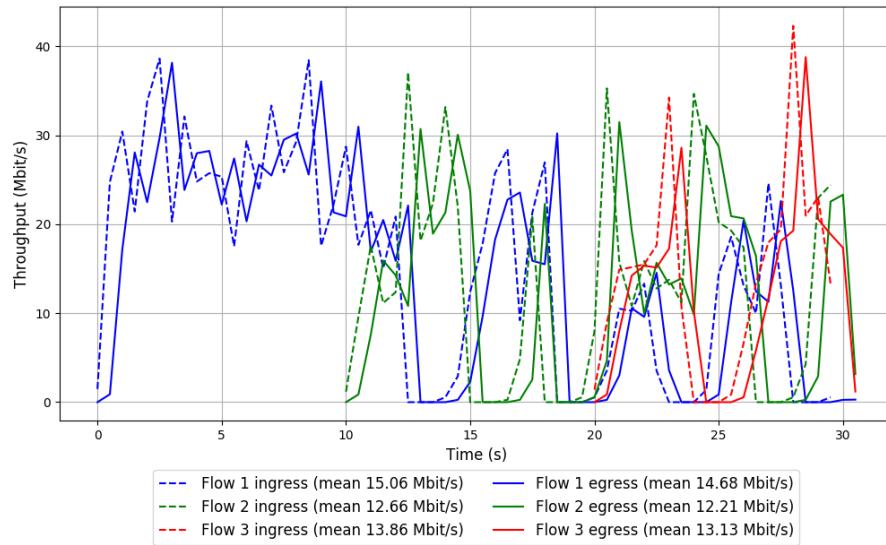


Run 2: Statistics of Copa

```
Start at: 2018-06-18 17:27:02
End at: 2018-06-18 17:27:32
Local clock offset: -2.64 ms
Remote clock offset: -0.435 ms

# Below is generated by plot.py at 2018-06-19 00:04:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.18 Mbit/s
95th percentile per-packet one-way delay: 85.048 ms
Loss rate: 3.26%
-- Flow 1:
Average throughput: 14.68 Mbit/s
95th percentile per-packet one-way delay: 83.803 ms
Loss rate: 2.49%
-- Flow 2:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 86.701 ms
Loss rate: 3.55%
-- Flow 3:
Average throughput: 13.13 Mbit/s
95th percentile per-packet one-way delay: 84.234 ms
Loss rate: 5.25%
```

Run 2: Report of Copa — Data Link

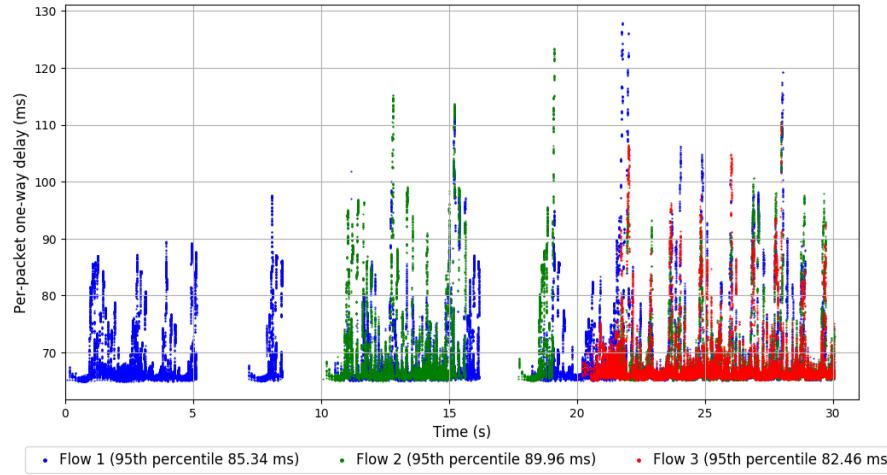
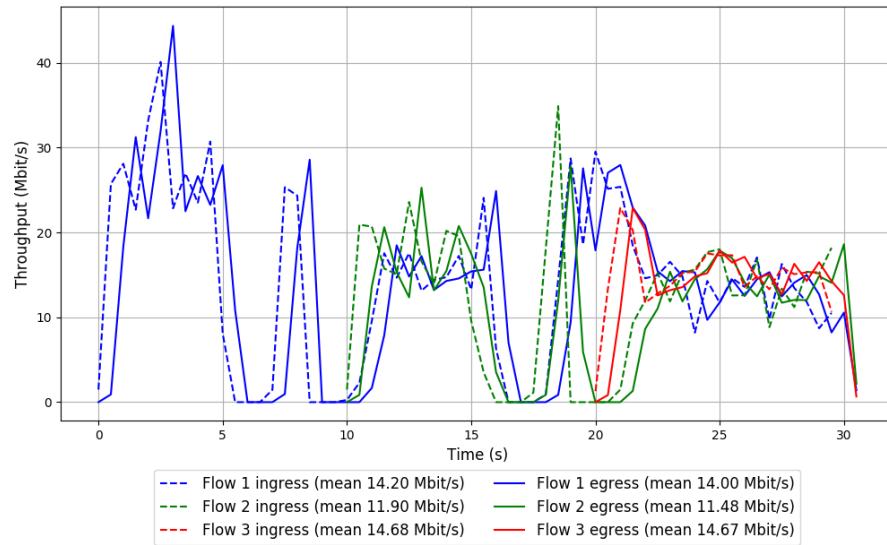


Run 3: Statistics of Copa

```
Start at: 2018-06-18 18:13:05
End at: 2018-06-18 18:13:35
Local clock offset: 6.086 ms
Remote clock offset: -0.956 ms

# Below is generated by plot.py at 2018-06-19 00:04:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.53 Mbit/s
95th percentile per-packet one-way delay: 85.868 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 14.00 Mbit/s
95th percentile per-packet one-way delay: 85.337 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 11.48 Mbit/s
95th percentile per-packet one-way delay: 89.959 ms
Loss rate: 3.47%
-- Flow 3:
Average throughput: 14.67 Mbit/s
95th percentile per-packet one-way delay: 82.459 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

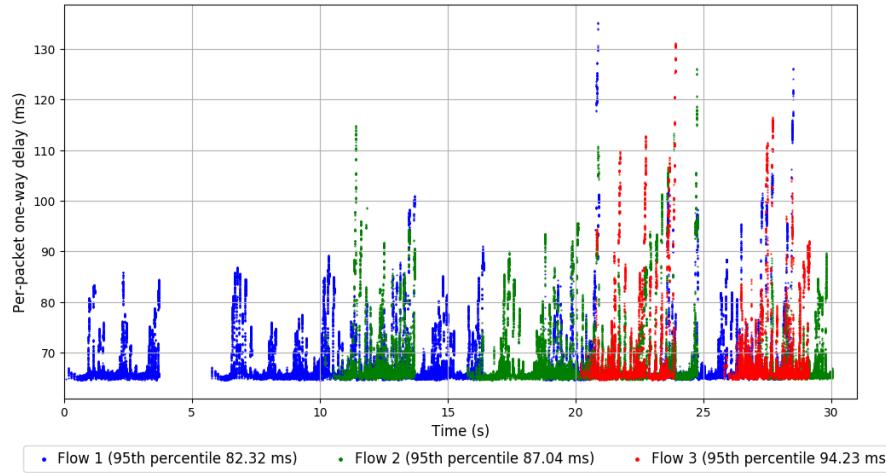
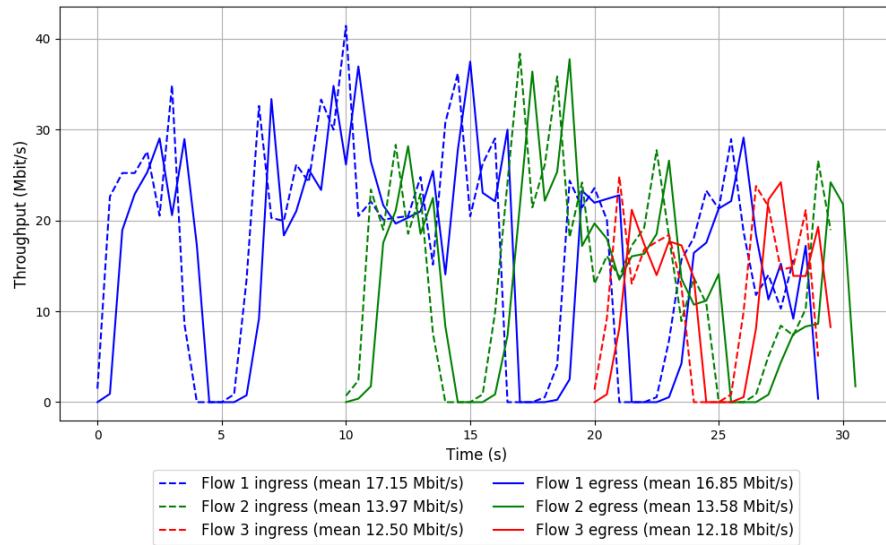


Run 4: Statistics of Copa

```
Start at: 2018-06-18 18:59:47
End at: 2018-06-18 19:00:17
Local clock offset: 8.167 ms
Remote clock offset: -2.207 ms

# Below is generated by plot.py at 2018-06-19 00:04:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.71 Mbit/s
95th percentile per-packet one-way delay: 84.971 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 16.85 Mbit/s
95th percentile per-packet one-way delay: 82.317 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 13.58 Mbit/s
95th percentile per-packet one-way delay: 87.039 ms
Loss rate: 2.77%
-- Flow 3:
Average throughput: 12.18 Mbit/s
95th percentile per-packet one-way delay: 94.233 ms
Loss rate: 2.30%
```

Run 4: Report of Copa — Data Link

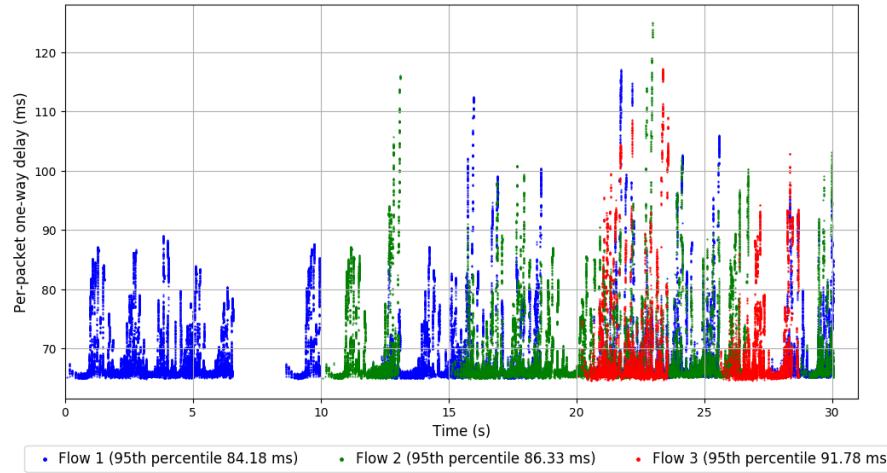
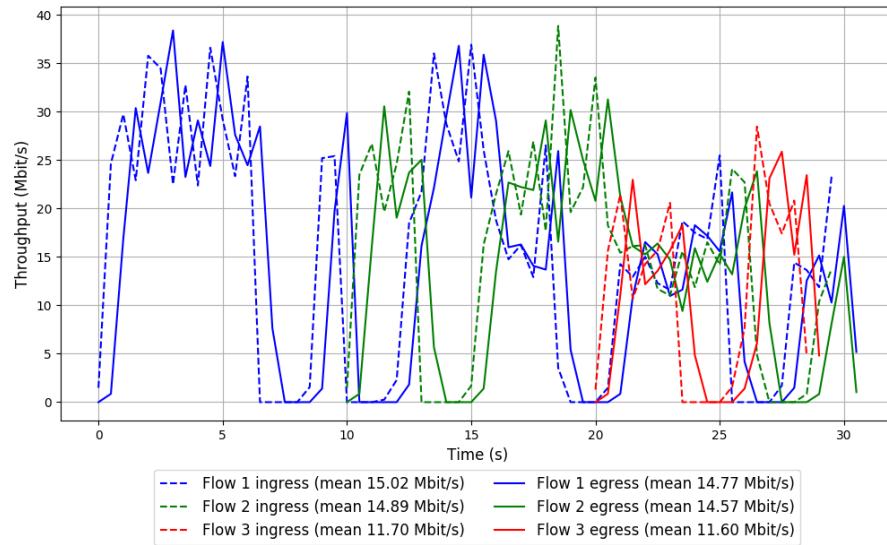


Run 5: Statistics of Copa

```
Start at: 2018-06-18 19:47:02
End at: 2018-06-18 19:47:32
Local clock offset: 1.903 ms
Remote clock offset: -1.756 ms

# Below is generated by plot.py at 2018-06-19 00:04:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.80 Mbit/s
95th percentile per-packet one-way delay: 86.057 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 14.77 Mbit/s
95th percentile per-packet one-way delay: 84.179 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 14.57 Mbit/s
95th percentile per-packet one-way delay: 86.327 ms
Loss rate: 2.11%
-- Flow 3:
Average throughput: 11.60 Mbit/s
95th percentile per-packet one-way delay: 91.782 ms
Loss rate: 0.68%
```

Run 5: Report of Copa — Data Link

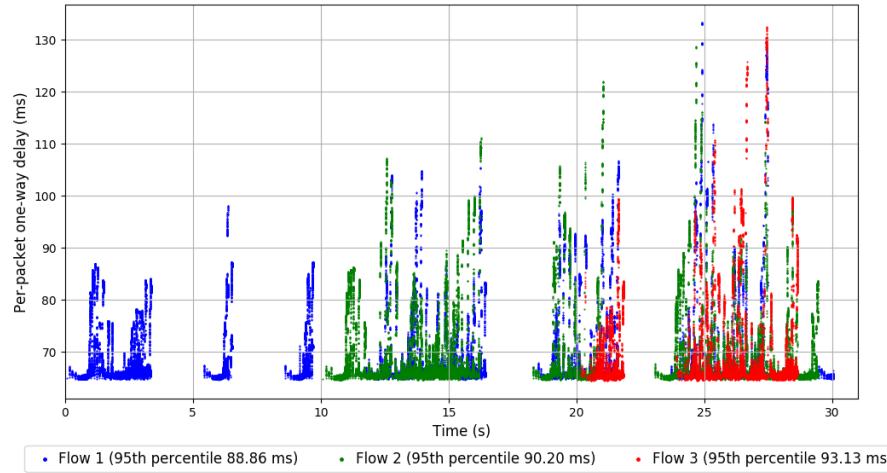
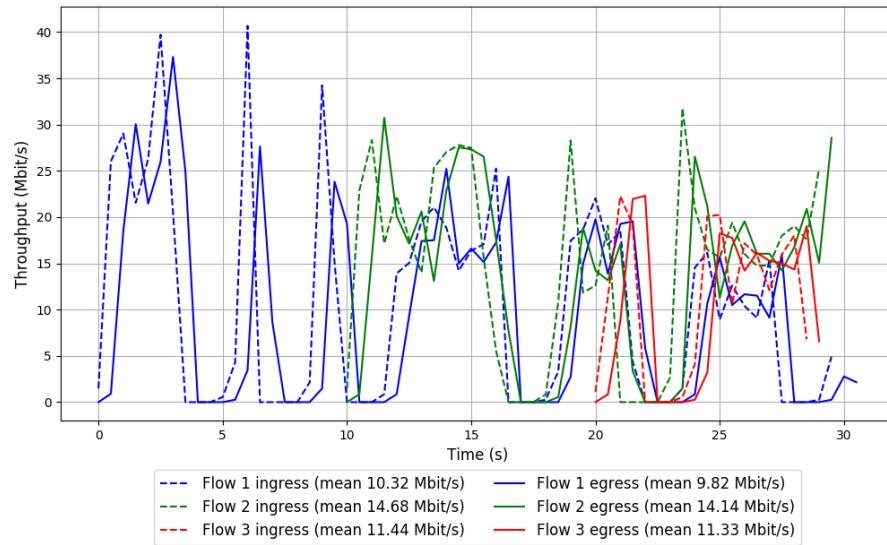


Run 6: Statistics of Copa

```
Start at: 2018-06-18 20:33:52
End at: 2018-06-18 20:34:22
Local clock offset: 6.272 ms
Remote clock offset: -0.349 ms

# Below is generated by plot.py at 2018-06-19 00:04:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.18 Mbit/s
95th percentile per-packet one-way delay: 90.262 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 9.82 Mbit/s
95th percentile per-packet one-way delay: 88.855 ms
Loss rate: 4.81%
-- Flow 2:
Average throughput: 14.14 Mbit/s
95th percentile per-packet one-way delay: 90.202 ms
Loss rate: 3.64%
-- Flow 3:
Average throughput: 11.33 Mbit/s
95th percentile per-packet one-way delay: 93.127 ms
Loss rate: 0.79%
```

Run 6: Report of Copa — Data Link

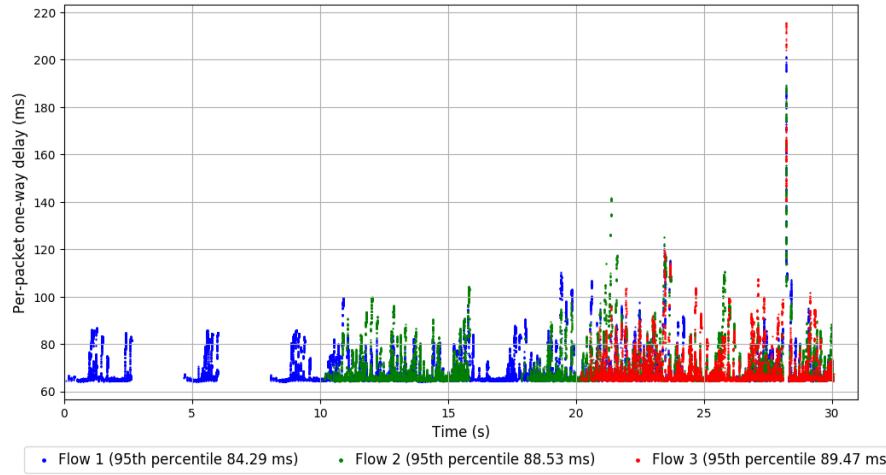
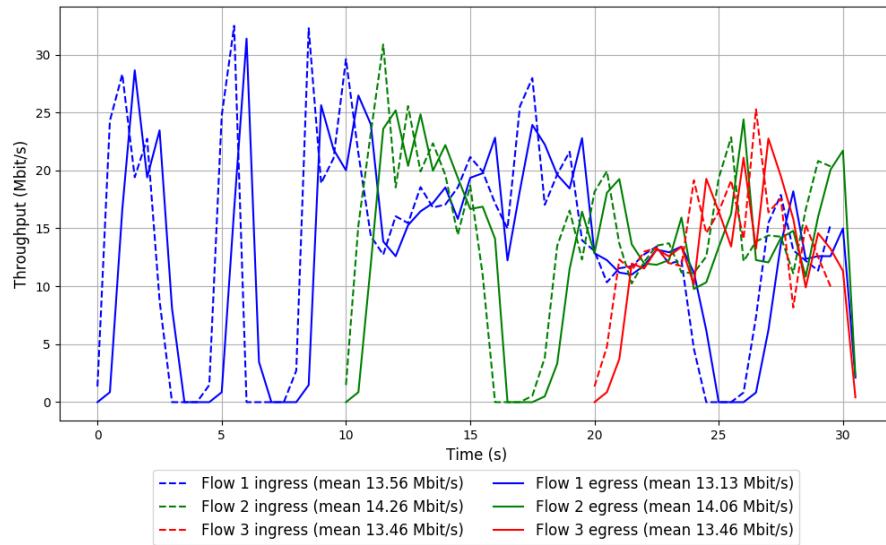


Run 7: Statistics of Copa

```
Start at: 2018-06-18 21:20:16
End at: 2018-06-18 21:20:46
Local clock offset: 8.461 ms
Remote clock offset: -1.529 ms

# Below is generated by plot.py at 2018-06-19 00:04:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 85.888 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 13.13 Mbit/s
95th percentile per-packet one-way delay: 84.290 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 14.06 Mbit/s
95th percentile per-packet one-way delay: 88.530 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 13.46 Mbit/s
95th percentile per-packet one-way delay: 89.468 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

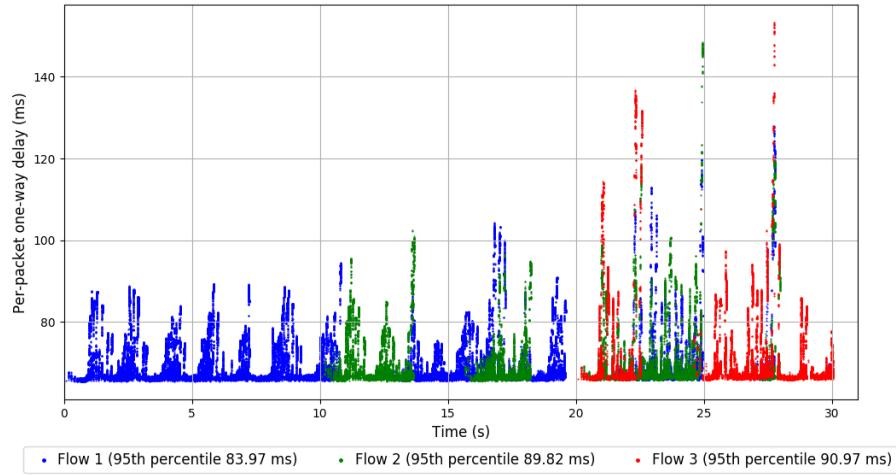
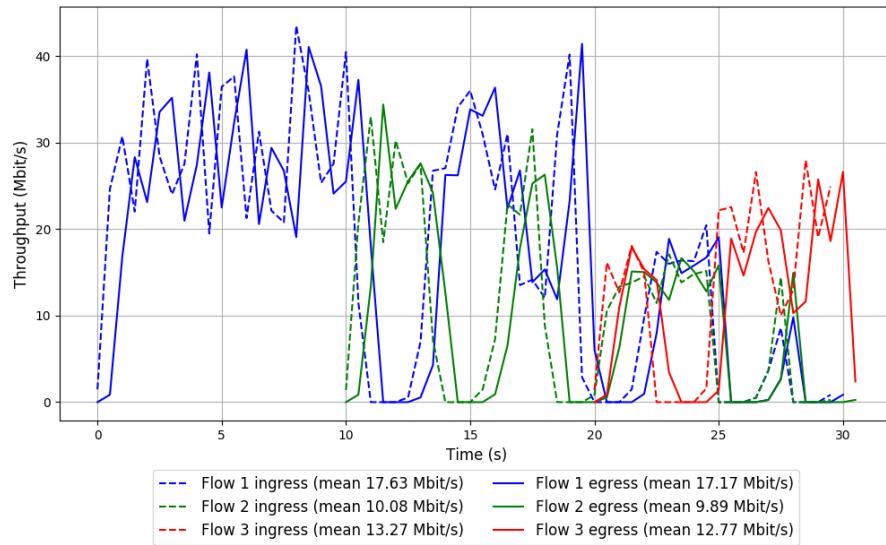


Run 8: Statistics of Copa

```
Start at: 2018-06-18 22:07:12
End at: 2018-06-18 22:07:42
Local clock offset: 1.156 ms
Remote clock offset: -1.688 ms

# Below is generated by plot.py at 2018-06-19 00:04:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.95 Mbit/s
95th percentile per-packet one-way delay: 86.136 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 17.17 Mbit/s
95th percentile per-packet one-way delay: 83.970 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 9.89 Mbit/s
95th percentile per-packet one-way delay: 89.824 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 90.967 ms
Loss rate: 3.68%
```

Run 8: Report of Copa — Data Link

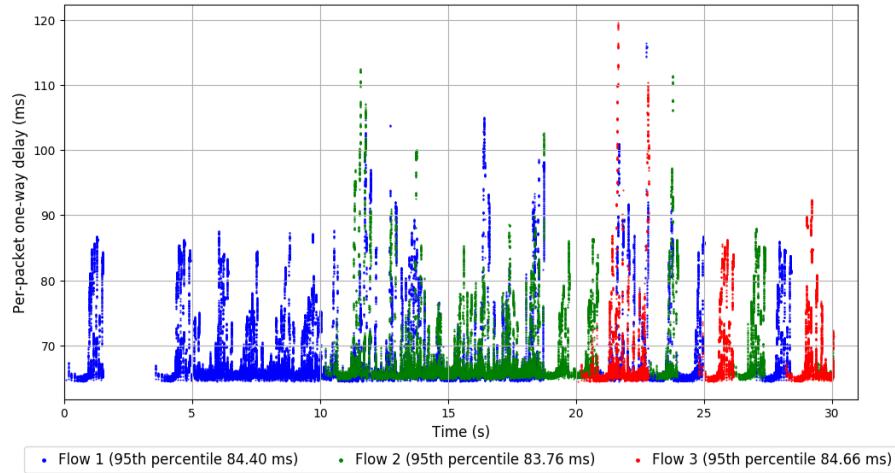
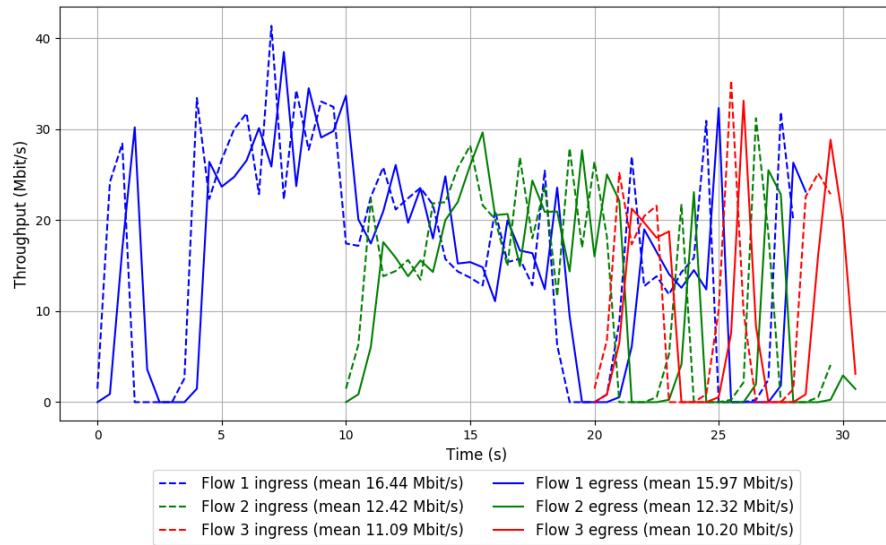


Run 9: Statistics of Copa

```
Start at: 2018-06-18 22:54:53
End at: 2018-06-18 22:55:23
Local clock offset: 4.09 ms
Remote clock offset: -0.926 ms

# Below is generated by plot.py at 2018-06-19 00:04:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.68 Mbit/s
95th percentile per-packet one-way delay: 84.329 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 15.97 Mbit/s
95th percentile per-packet one-way delay: 84.398 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 12.32 Mbit/s
95th percentile per-packet one-way delay: 83.764 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 84.664 ms
Loss rate: 7.96%
```

Run 9: Report of Copa — Data Link

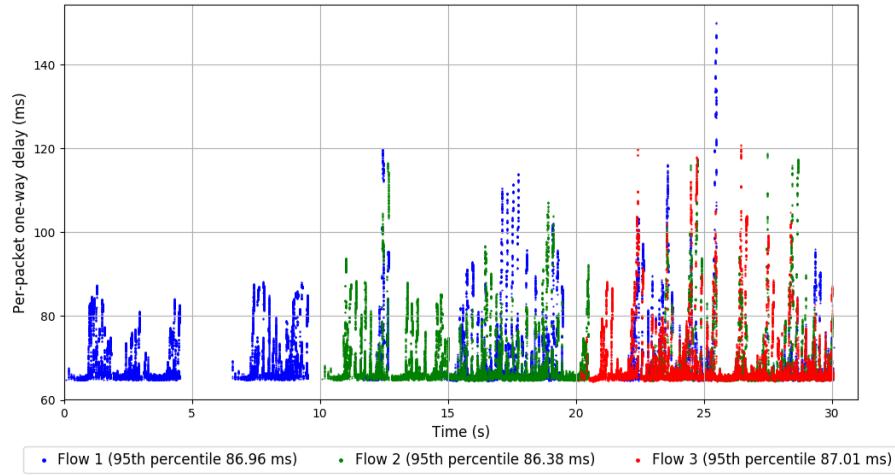
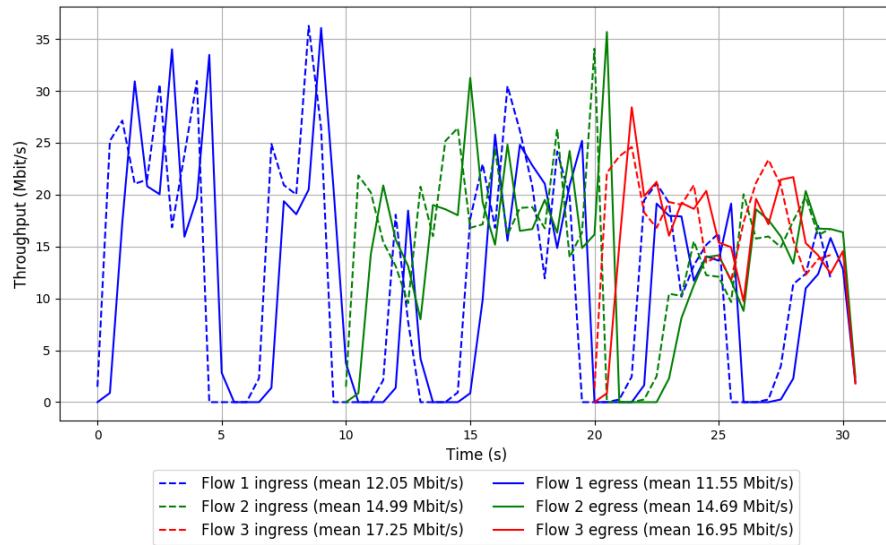


Run 10: Statistics of Copa

```
Start at: 2018-06-18 23:40:30
End at: 2018-06-18 23:41:00
Local clock offset: 5.971 ms
Remote clock offset: -0.784 ms

# Below is generated by plot.py at 2018-06-19 00:05:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 86.908 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 11.55 Mbit/s
95th percentile per-packet one-way delay: 86.964 ms
Loss rate: 4.14%
-- Flow 2:
Average throughput: 14.69 Mbit/s
95th percentile per-packet one-way delay: 86.376 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 16.95 Mbit/s
95th percentile per-packet one-way delay: 87.010 ms
Loss rate: 1.75%
```

Run 10: Report of Copa — Data Link

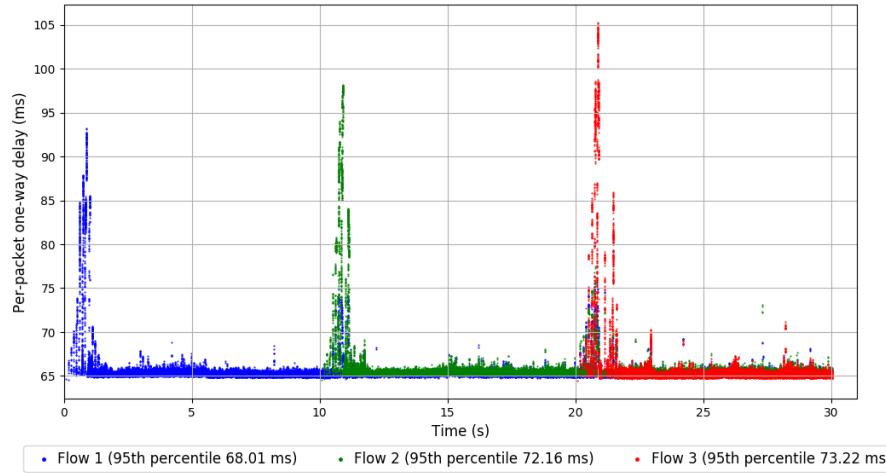
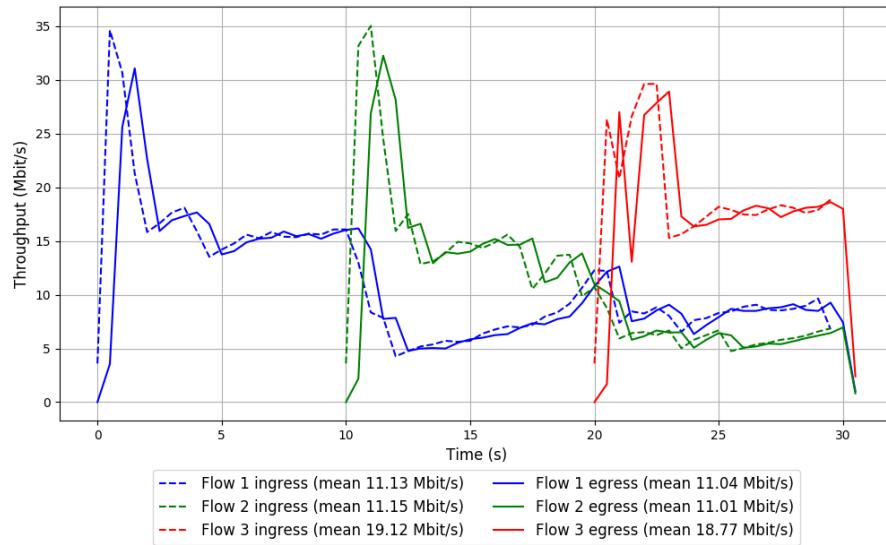


```
Run 1: Statistics of TCP Cubic

Start at: 2018-06-18 16:59:12
End at: 2018-06-18 16:59:42
Local clock offset: -7.53 ms
Remote clock offset: -0.223 ms

# Below is generated by plot.py at 2018-06-19 00:05:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 70.055 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 68.012 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 11.01 Mbit/s
95th percentile per-packet one-way delay: 72.160 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 18.77 Mbit/s
95th percentile per-packet one-way delay: 73.224 ms
Loss rate: 1.83%
```

Run 1: Report of TCP Cubic — Data Link

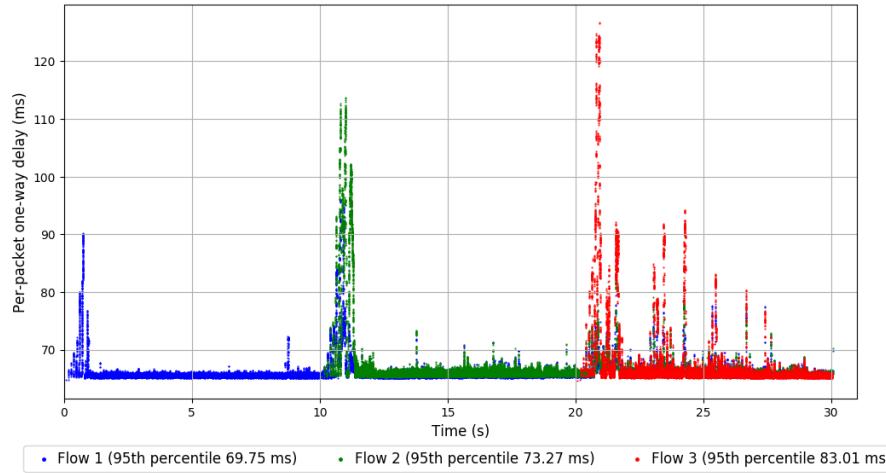
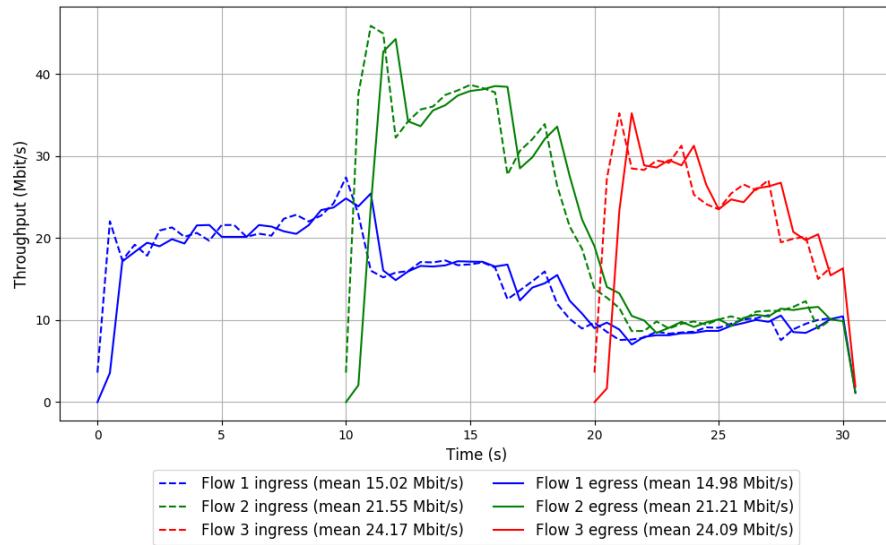


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-18 17:44:53
End at: 2018-06-18 17:45:23
Local clock offset: -3.127 ms
Remote clock offset: -0.464 ms

# Below is generated by plot.py at 2018-06-19 00:05:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.12 Mbit/s
95th percentile per-packet one-way delay: 73.465 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 14.98 Mbit/s
95th percentile per-packet one-way delay: 69.754 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 73.268 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 83.008 ms
Loss rate: 0.32%
```

Run 2: Report of TCP Cubic — Data Link

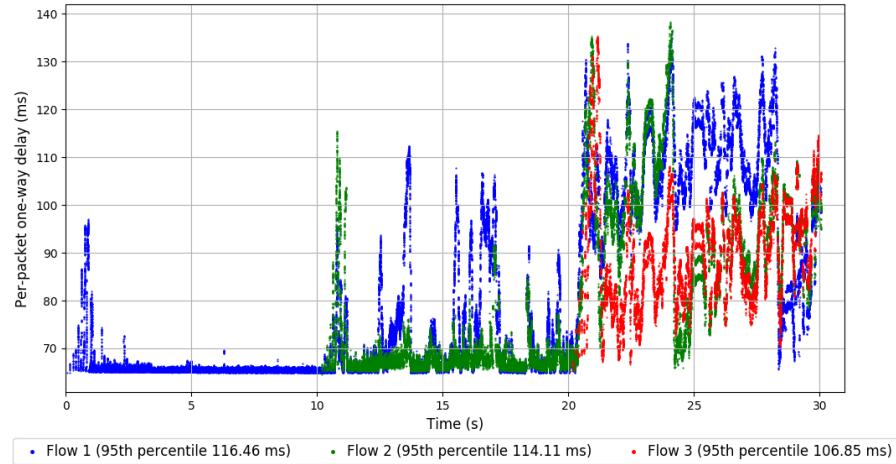
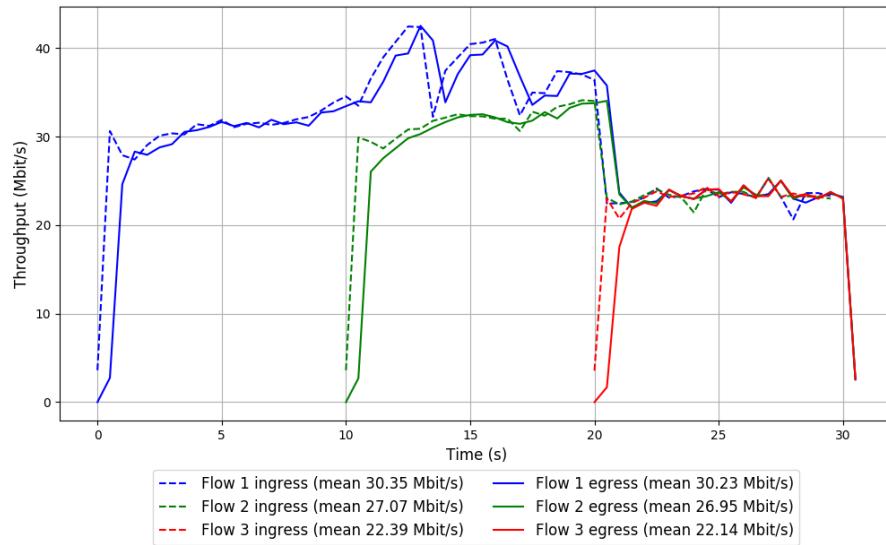


Run 3: Statistics of TCP Cubic

```
Start at: 2018-06-18 18:31:18
End at: 2018-06-18 18:31:48
Local clock offset: 11.185 ms
Remote clock offset: -1.325 ms

# Below is generated by plot.py at 2018-06-19 00:05:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 115.101 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 30.23 Mbit/s
95th percentile per-packet one-way delay: 116.457 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 114.114 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 22.14 Mbit/s
95th percentile per-packet one-way delay: 106.849 ms
Loss rate: 1.08%
```

Run 3: Report of TCP Cubic — Data Link

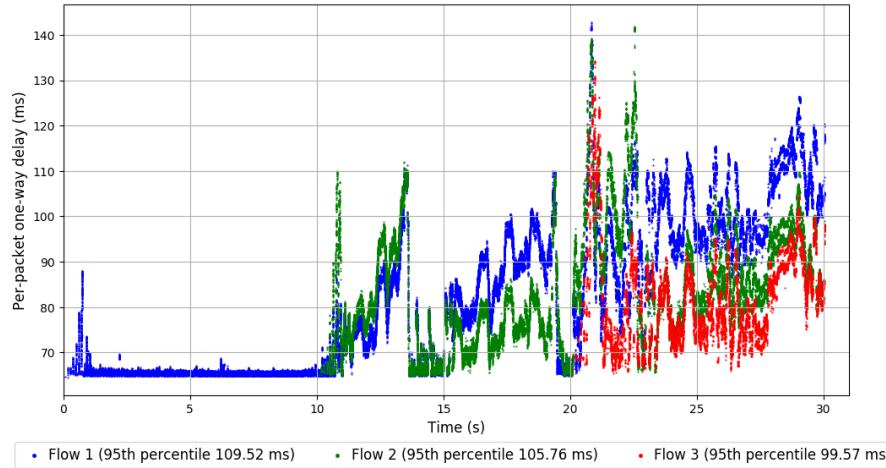
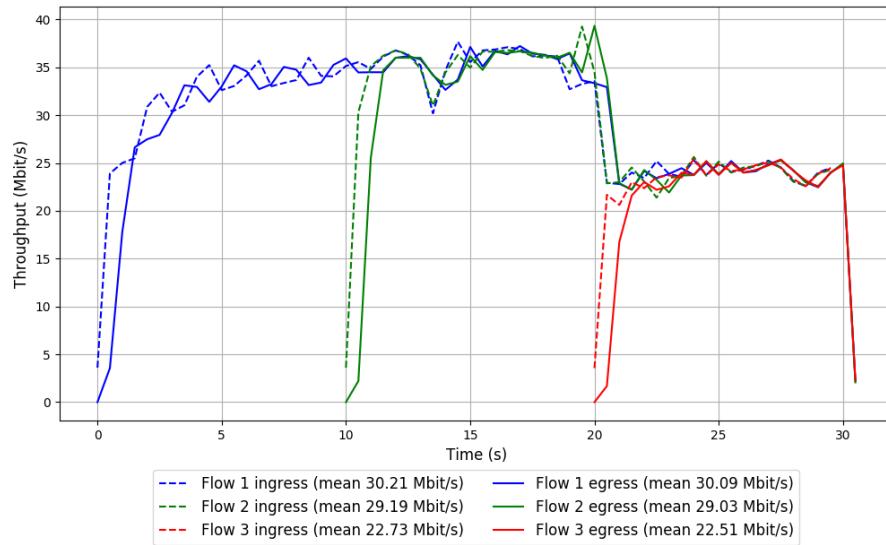


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-18 19:17:51
End at: 2018-06-18 19:18:21
Local clock offset: -3.215 ms
Remote clock offset: -2.679 ms

# Below is generated by plot.py at 2018-06-19 00:05:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 108.375 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 109.518 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 29.03 Mbit/s
95th percentile per-packet one-way delay: 105.764 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 22.51 Mbit/s
95th percentile per-packet one-way delay: 99.573 ms
Loss rate: 0.92%
```

Run 4: Report of TCP Cubic — Data Link

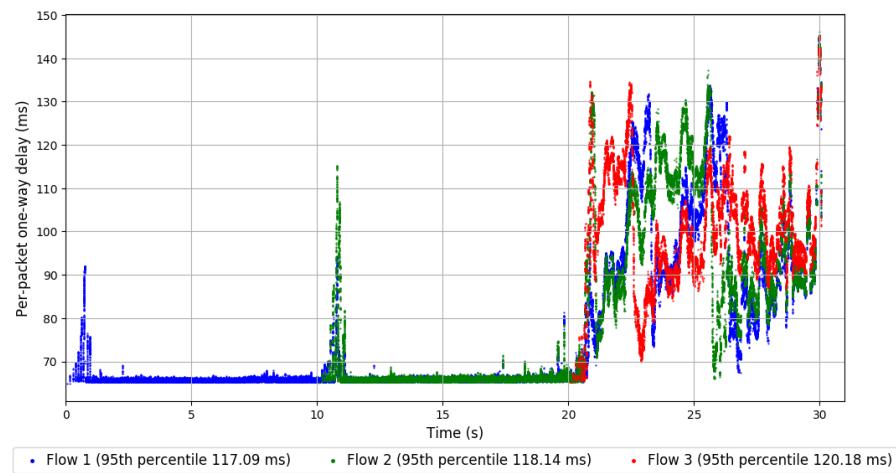
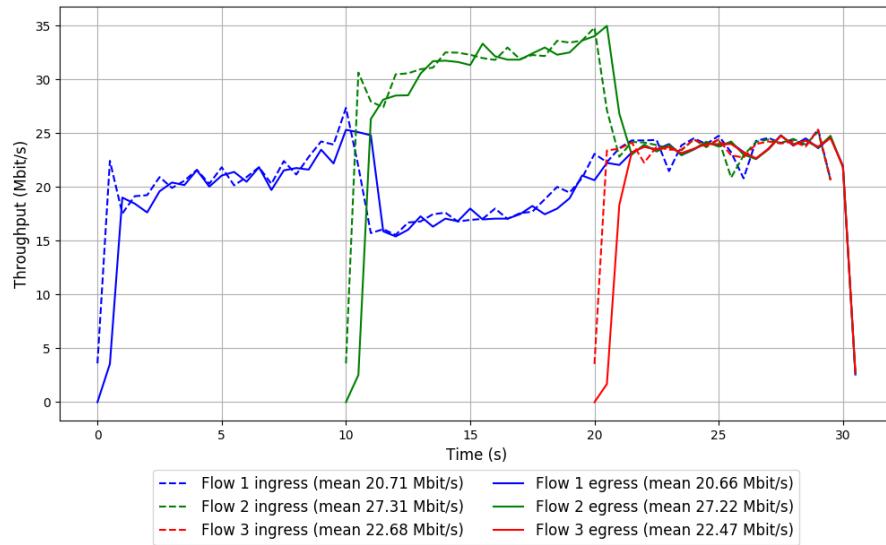


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-18 20:03:59
End at: 2018-06-18 20:04:29
Local clock offset: 3.864 ms
Remote clock offset: -0.986 ms

# Below is generated by plot.py at 2018-06-19 00:05:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.27 Mbit/s
95th percentile per-packet one-way delay: 118.258 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 117.089 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 27.22 Mbit/s
95th percentile per-packet one-way delay: 118.144 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 22.47 Mbit/s
95th percentile per-packet one-way delay: 120.176 ms
Loss rate: 0.88%
```

Run 5: Report of TCP Cubic — Data Link

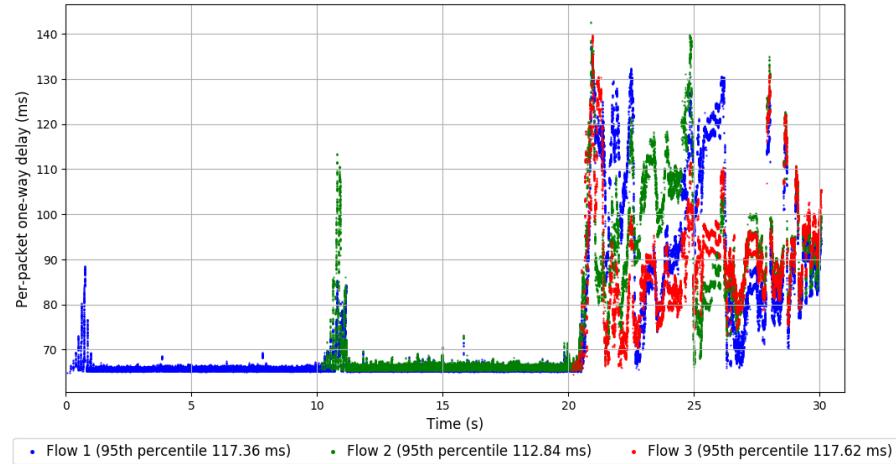
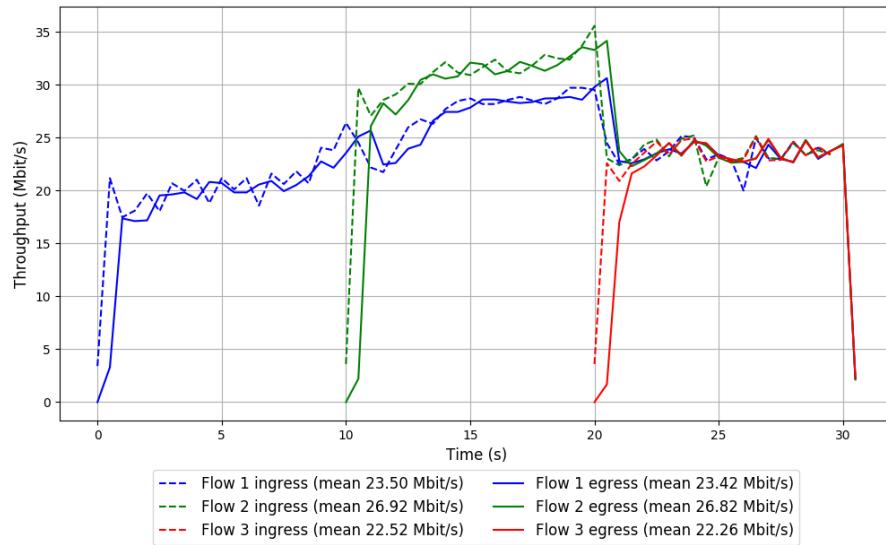


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-18 20:51:05
End at: 2018-06-18 20:51:35
Local clock offset: 8.031 ms
Remote clock offset: -0.449 ms

# Below is generated by plot.py at 2018-06-19 00:05:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.68 Mbit/s
95th percentile per-packet one-way delay: 116.160 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 23.42 Mbit/s
95th percentile per-packet one-way delay: 117.361 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 112.840 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 22.26 Mbit/s
95th percentile per-packet one-way delay: 117.616 ms
Loss rate: 1.16%
```

Run 6: Report of TCP Cubic — Data Link

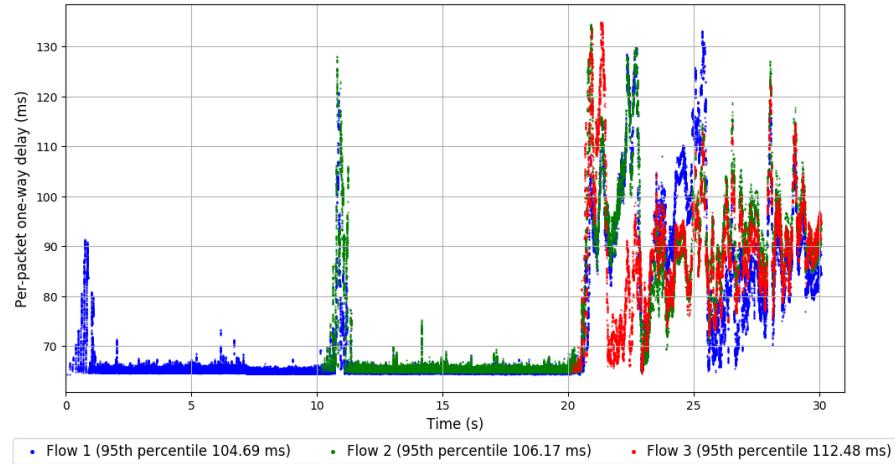
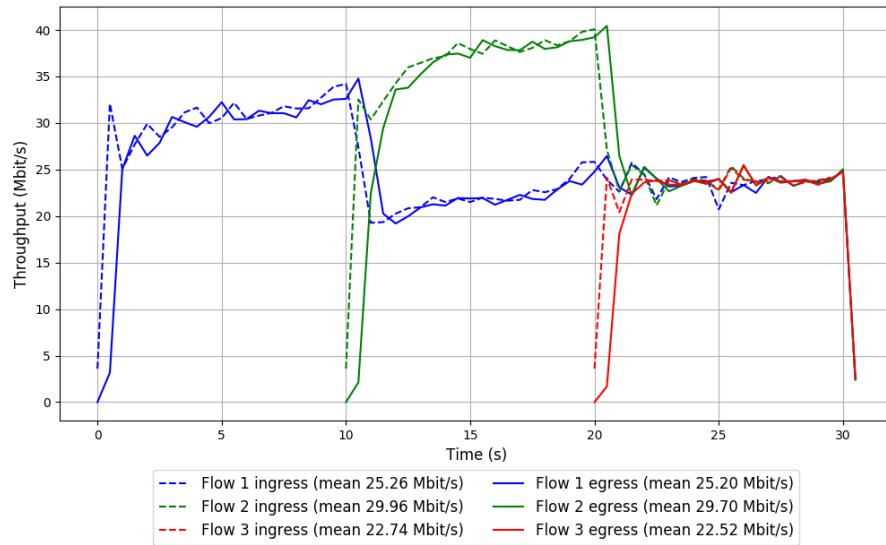


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-18 21:38:32
End at: 2018-06-18 21:39:02
Local clock offset: 2.306 ms
Remote clock offset: -1.819 ms

# Below is generated by plot.py at 2018-06-19 00:05:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.47 Mbit/s
95th percentile per-packet one-way delay: 106.821 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 25.20 Mbit/s
95th percentile per-packet one-way delay: 104.689 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: 106.165 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 22.52 Mbit/s
95th percentile per-packet one-way delay: 112.477 ms
Loss rate: 0.86%
```

Run 7: Report of TCP Cubic — Data Link

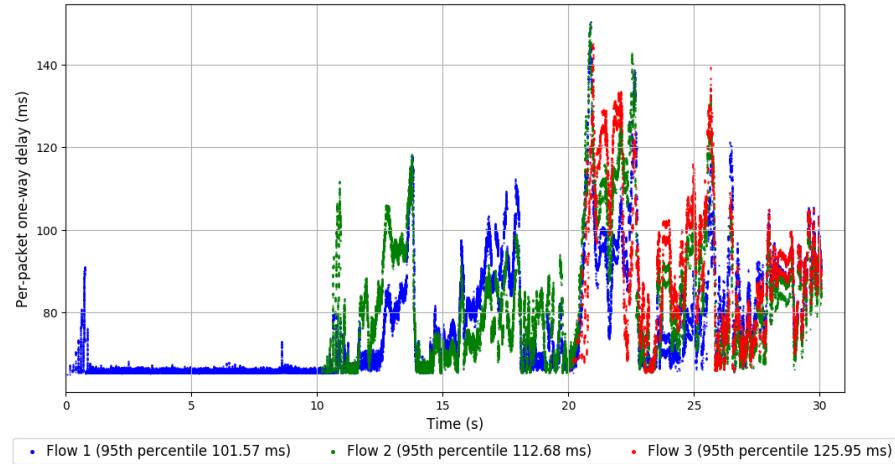
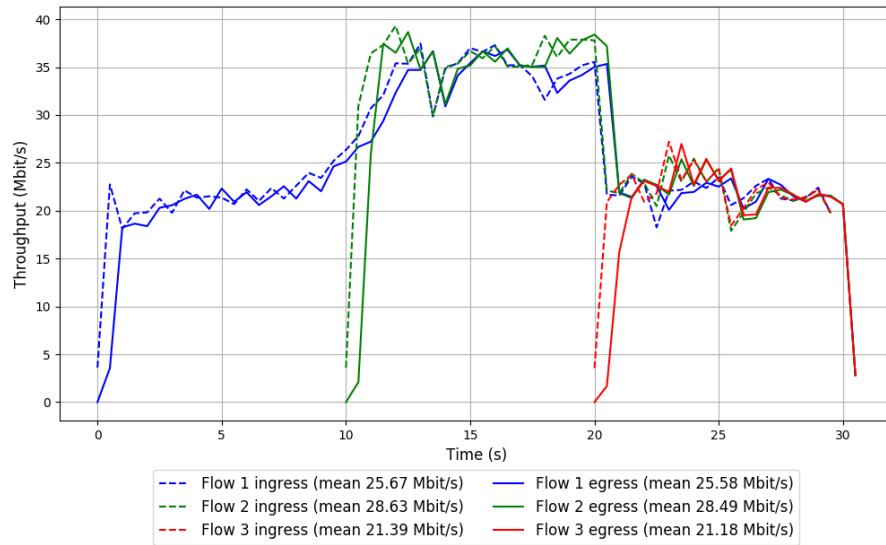


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-18 22:25:15
End at: 2018-06-18 22:25:45
Local clock offset: 7.967 ms
Remote clock offset: -0.748 ms

# Below is generated by plot.py at 2018-06-19 00:05:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.60 Mbit/s
95th percentile per-packet one-way delay: 111.455 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 25.58 Mbit/s
95th percentile per-packet one-way delay: 101.566 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 28.49 Mbit/s
95th percentile per-packet one-way delay: 112.682 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 21.18 Mbit/s
95th percentile per-packet one-way delay: 125.950 ms
Loss rate: 1.00%
```

Run 8: Report of TCP Cubic — Data Link

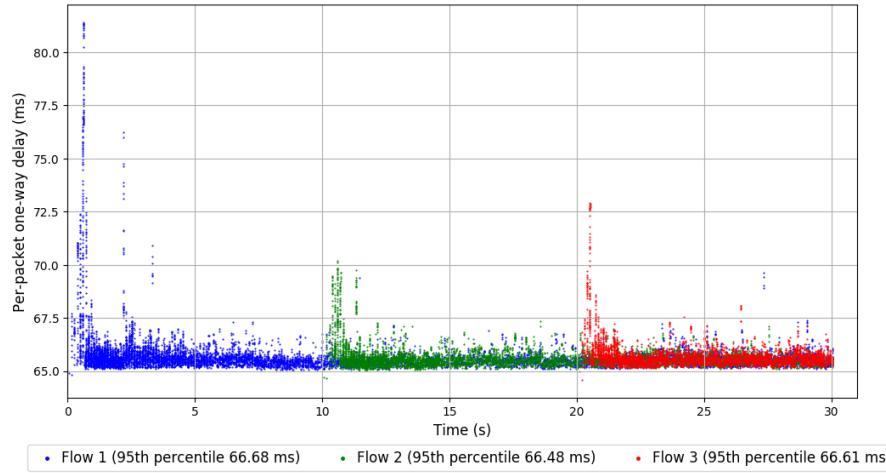
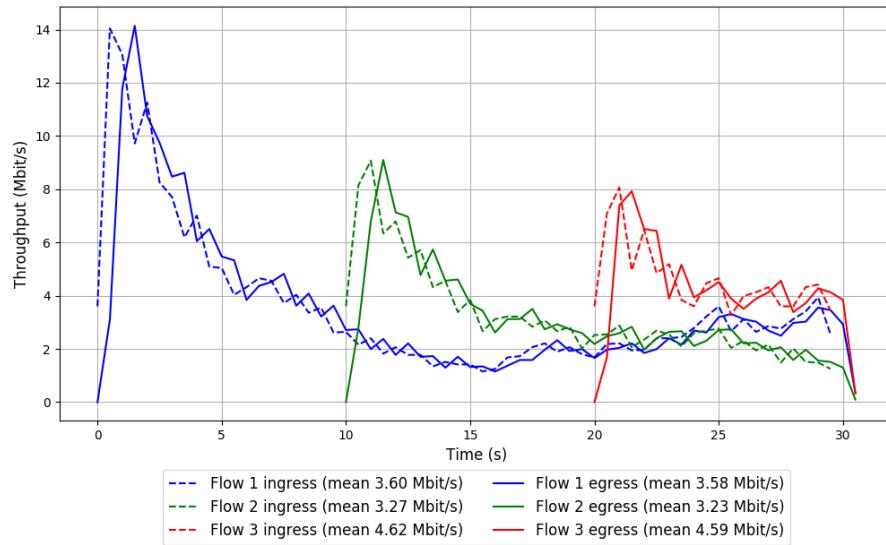


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-18 23:12:34
End at: 2018-06-18 23:13:04
Local clock offset: 7.042 ms
Remote clock offset: -1.181 ms

# Below is generated by plot.py at 2018-06-19 00:05:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 66.608 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 66.682 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 66.481 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 66.613 ms
Loss rate: 0.60%
```

Run 9: Report of TCP Cubic — Data Link

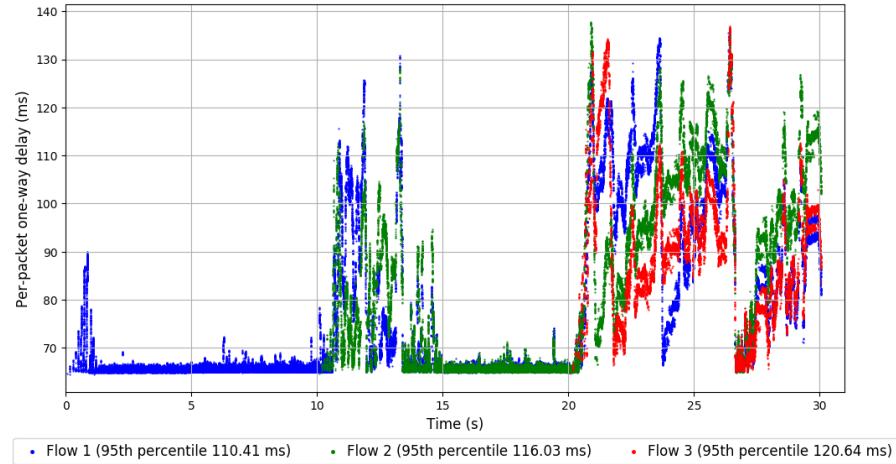
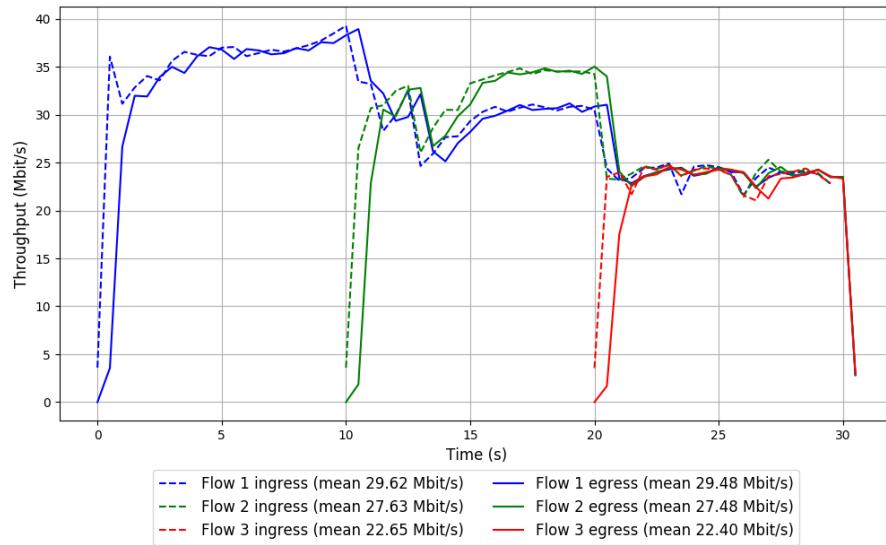


Run 10: Statistics of TCP Cubic

```
Start at: 2018-06-18 23:58:31
End at: 2018-06-18 23:59:01
Local clock offset: 4.403 ms
Remote clock offset: -0.769 ms

# Below is generated by plot.py at 2018-06-19 00:05:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.23 Mbit/s
95th percentile per-packet one-way delay: 114.083 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 110.412 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 27.48 Mbit/s
95th percentile per-packet one-way delay: 116.032 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 22.40 Mbit/s
95th percentile per-packet one-way delay: 120.636 ms
Loss rate: 1.07%
```

Run 10: Report of TCP Cubic — Data Link

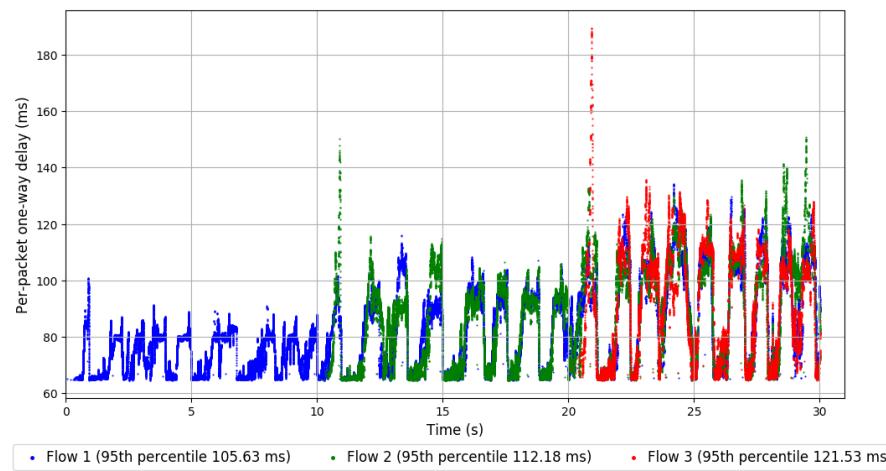
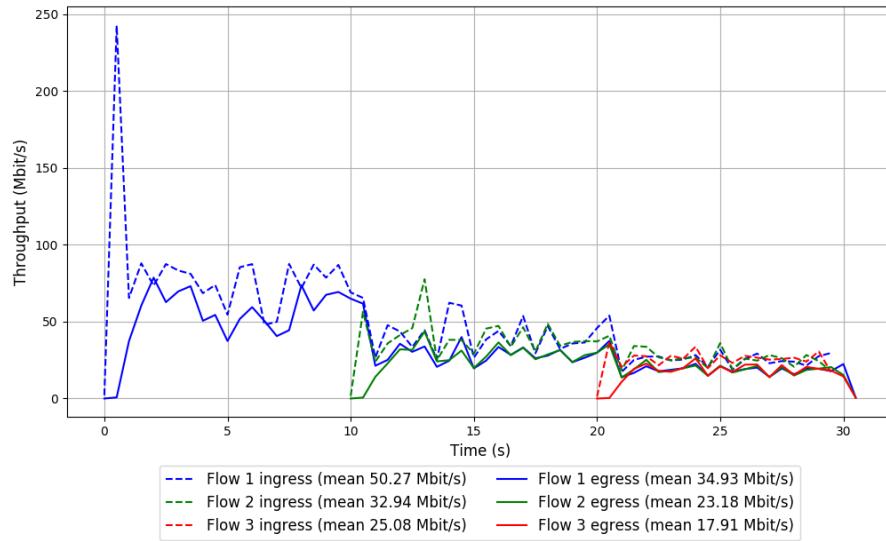


```
Run 1: Statistics of FillP

Start at: 2018-06-18 16:55:49
End at: 2018-06-18 16:56:19
Local clock offset: -7.522 ms
Remote clock offset: -0.386 ms

# Below is generated by plot.py at 2018-06-19 00:06:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.30 Mbit/s
95th percentile per-packet one-way delay: 110.222 ms
Loss rate: 30.07%
-- Flow 1:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 105.631 ms
Loss rate: 30.50%
-- Flow 2:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 112.182 ms
Loss rate: 29.63%
-- Flow 3:
Average throughput: 17.91 Mbit/s
95th percentile per-packet one-way delay: 121.526 ms
Loss rate: 28.60%
```

Run 1: Report of FillP — Data Link

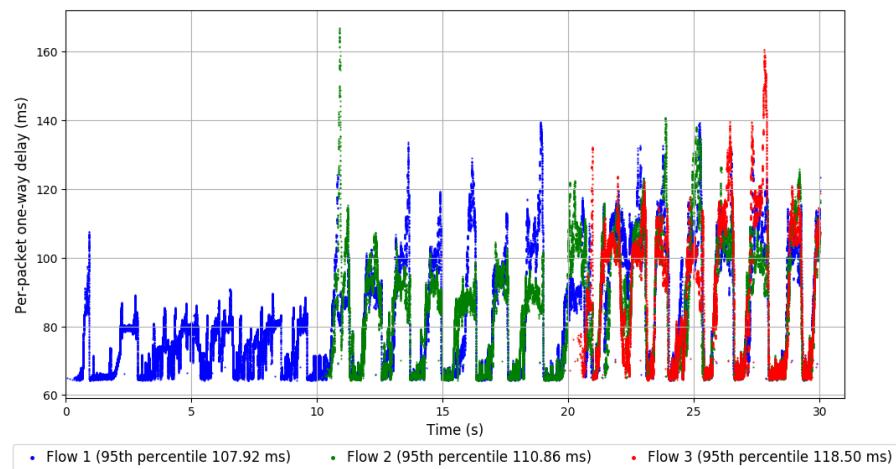
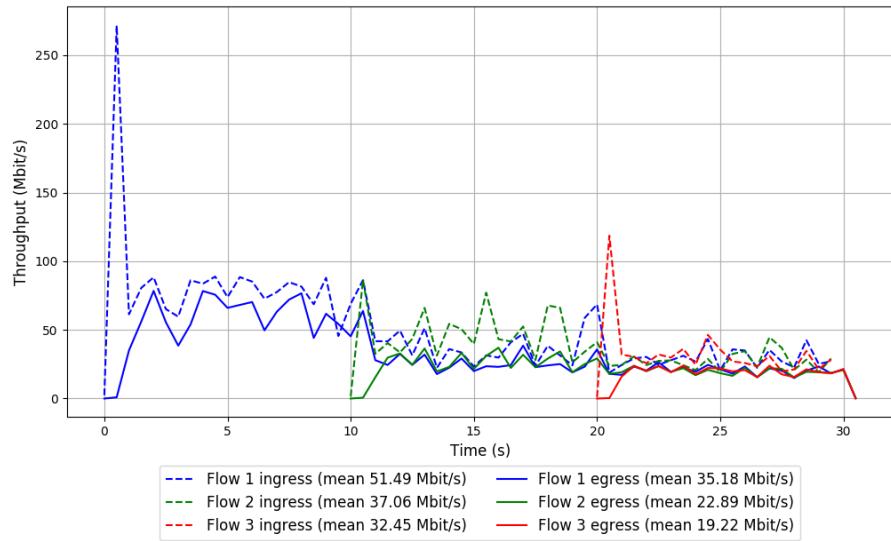


Run 2: Statistics of FillP

```
Start at: 2018-06-18 17:41:19
End at: 2018-06-18 17:41:49
Local clock offset: -2.973 ms
Remote clock offset: -0.28 ms

# Below is generated by plot.py at 2018-06-19 00:06:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 110.685 ms
Loss rate: 34.63%
-- Flow 1:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 107.924 ms
Loss rate: 31.65%
-- Flow 2:
Average throughput: 22.89 Mbit/s
95th percentile per-packet one-way delay: 110.856 ms
Loss rate: 38.20%
-- Flow 3:
Average throughput: 19.22 Mbit/s
95th percentile per-packet one-way delay: 118.501 ms
Loss rate: 40.69%
```

Run 2: Report of FillP — Data Link

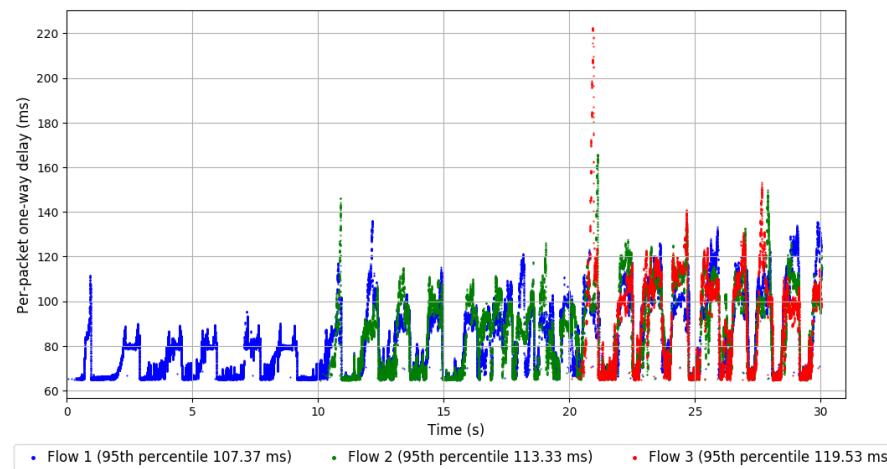
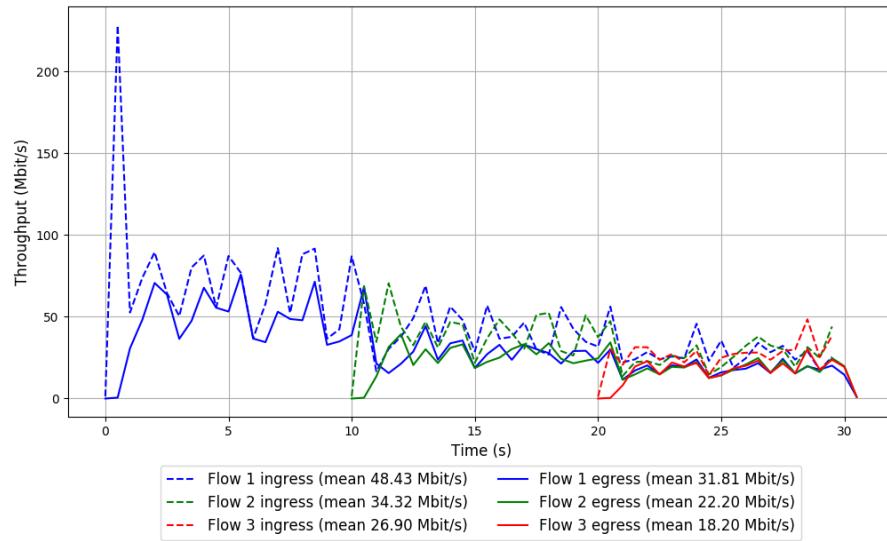


Run 3: Statistics of FillP

```
Start at: 2018-06-18 18:27:58
End at: 2018-06-18 18:28:28
Local clock offset: 10.456 ms
Remote clock offset: -1.305 ms

# Below is generated by plot.py at 2018-06-19 00:06:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.62 Mbit/s
95th percentile per-packet one-way delay: 111.942 ms
Loss rate: 34.36%
-- Flow 1:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 107.366 ms
Loss rate: 34.28%
-- Flow 2:
Average throughput: 22.20 Mbit/s
95th percentile per-packet one-way delay: 113.335 ms
Loss rate: 35.31%
-- Flow 3:
Average throughput: 18.20 Mbit/s
95th percentile per-packet one-way delay: 119.527 ms
Loss rate: 32.33%
```

Run 3: Report of FillP — Data Link

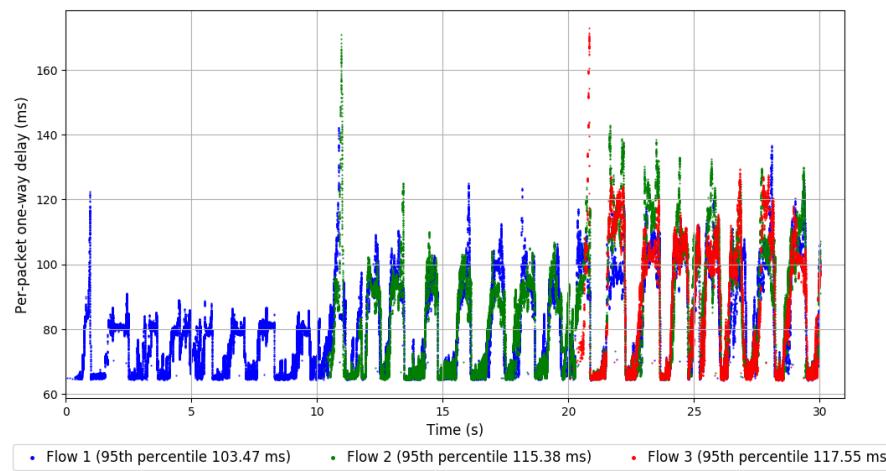
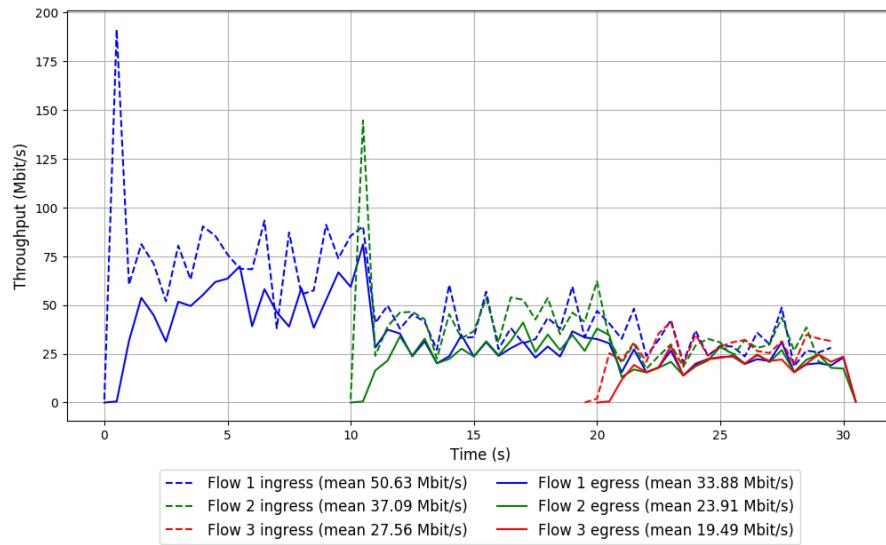


Run 4: Statistics of FillP

```
Start at: 2018-06-18 19:14:19
End at: 2018-06-18 19:14:49
Local clock offset: -1.818 ms
Remote clock offset: -2.536 ms

# Below is generated by plot.py at 2018-06-19 00:06:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.29 Mbit/s
95th percentile per-packet one-way delay: 109.101 ms
Loss rate: 33.36%
-- Flow 1:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 103.472 ms
Loss rate: 33.06%
-- Flow 2:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 115.383 ms
Loss rate: 35.53%
-- Flow 3:
Average throughput: 19.49 Mbit/s
95th percentile per-packet one-way delay: 117.548 ms
Loss rate: 29.21%
```

Run 4: Report of FillP — Data Link

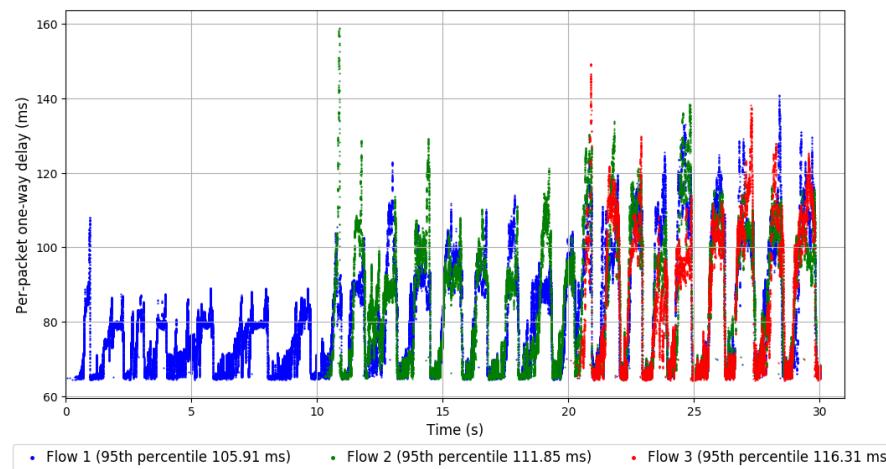
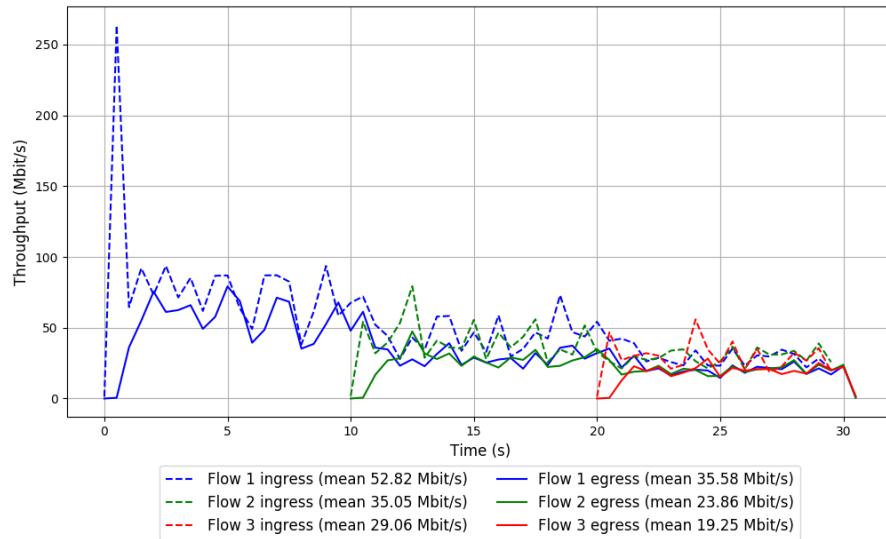


Run 5: Statistics of FillP

```
Start at: 2018-06-18 20:00:39
End at: 2018-06-18 20:01:09
Local clock offset: 3.608 ms
Remote clock offset: -1.313 ms

# Below is generated by plot.py at 2018-06-19 00:06:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.86 Mbit/s
95th percentile per-packet one-way delay: 109.602 ms
Loss rate: 32.56%
-- Flow 1:
Average throughput: 35.58 Mbit/s
95th percentile per-packet one-way delay: 105.911 ms
Loss rate: 32.63%
-- Flow 2:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 111.851 ms
Loss rate: 31.90%
-- Flow 3:
Average throughput: 19.25 Mbit/s
95th percentile per-packet one-way delay: 116.315 ms
Loss rate: 33.78%
```

Run 5: Report of FillP — Data Link

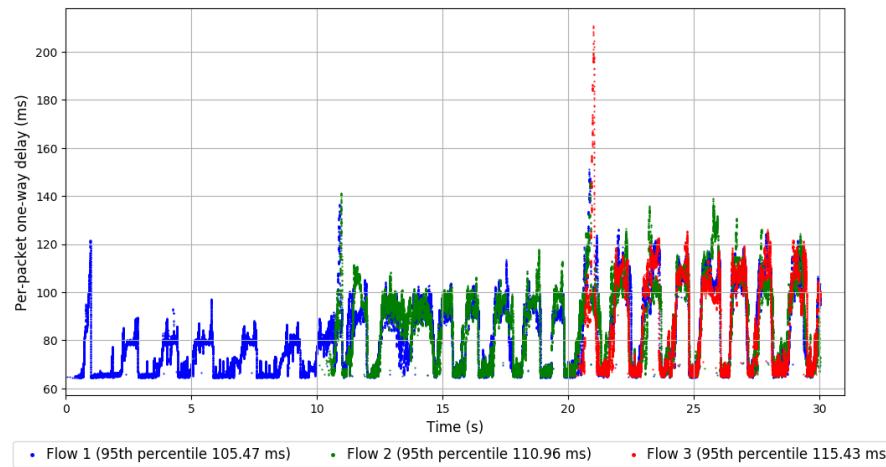
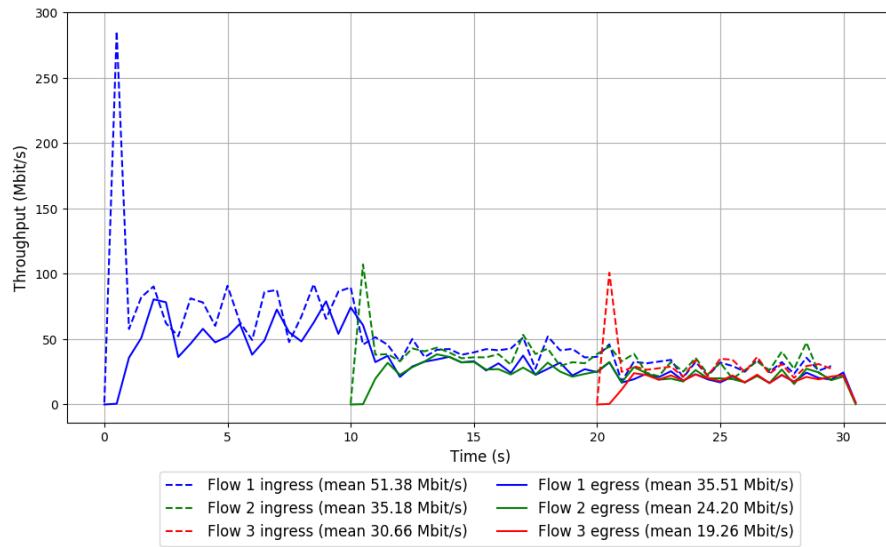


Run 6: Statistics of FillP

```
Start at: 2018-06-18 20:47:37
End at: 2018-06-18 20:48:07
Local clock offset: 7.853 ms
Remote clock offset: -0.421 ms

# Below is generated by plot.py at 2018-06-19 00:06:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.98 Mbit/s
95th percentile per-packet one-way delay: 109.511 ms
Loss rate: 31.72%
-- Flow 1:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 105.470 ms
Loss rate: 30.86%
-- Flow 2:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 110.959 ms
Loss rate: 31.23%
-- Flow 3:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 115.432 ms
Loss rate: 37.17%
```

Run 6: Report of FillP — Data Link

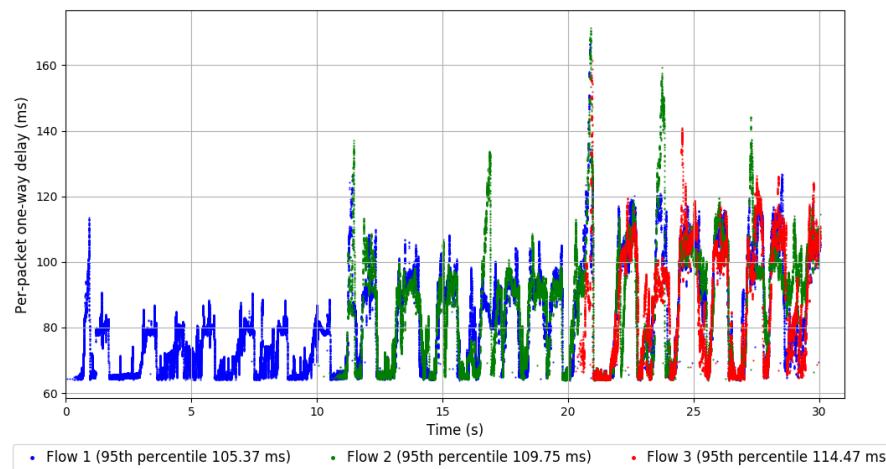
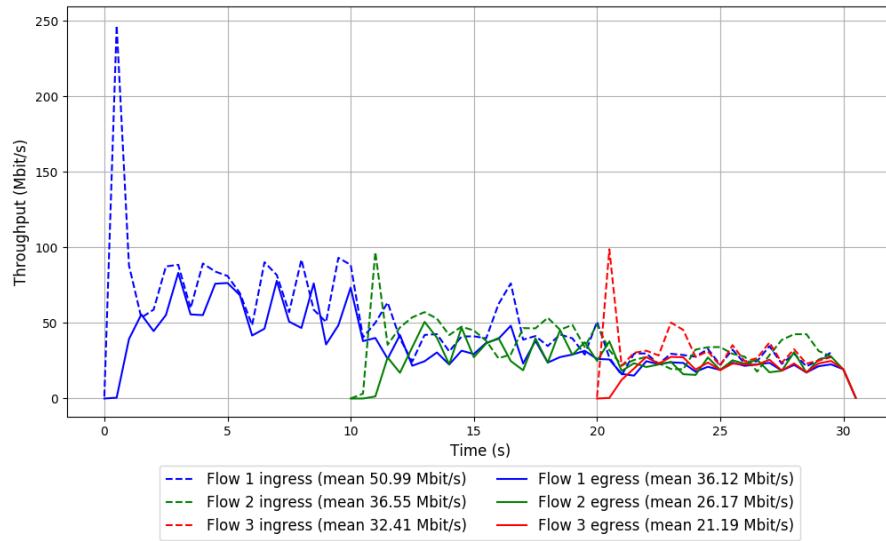


Run 7: Statistics of FillP

```
Start at: 2018-06-18 21:34:54
End at: 2018-06-18 21:35:24
Local clock offset: 5.172 ms
Remote clock offset: -1.78 ms

# Below is generated by plot.py at 2018-06-19 00:06:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.57 Mbit/s
95th percentile per-packet one-way delay: 108.403 ms
Loss rate: 29.62%
-- Flow 1:
Average throughput: 36.12 Mbit/s
95th percentile per-packet one-way delay: 105.371 ms
Loss rate: 29.17%
-- Flow 2:
Average throughput: 26.17 Mbit/s
95th percentile per-packet one-way delay: 109.752 ms
Loss rate: 28.36%
-- Flow 3:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 114.475 ms
Loss rate: 34.63%
```

Run 7: Report of FillP — Data Link

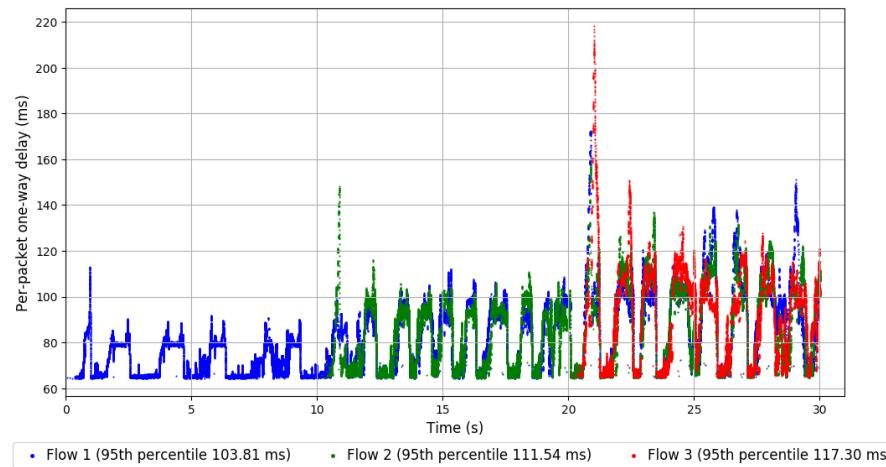
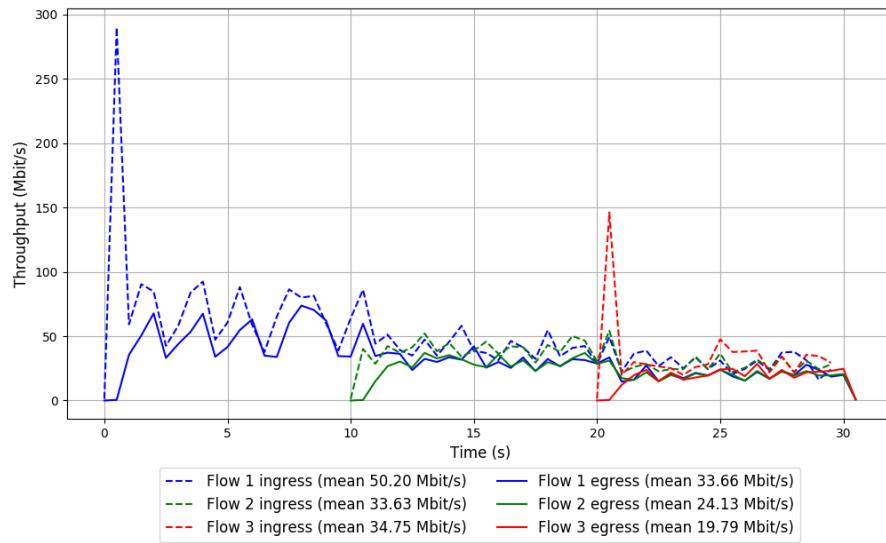


Run 8: Statistics of FillP

```
Start at: 2018-06-18 22:21:56
End at: 2018-06-18 22:22:26
Local clock offset: 7.548 ms
Remote clock offset: -0.926 ms

# Below is generated by plot.py at 2018-06-19 00:06:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 109.895 ms
Loss rate: 33.07%
-- Flow 1:
Average throughput: 33.66 Mbit/s
95th percentile per-packet one-way delay: 103.815 ms
Loss rate: 32.95%
-- Flow 2:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 111.537 ms
Loss rate: 28.23%
-- Flow 3:
Average throughput: 19.79 Mbit/s
95th percentile per-packet one-way delay: 117.300 ms
Loss rate: 42.98%
```

Run 8: Report of FillP — Data Link

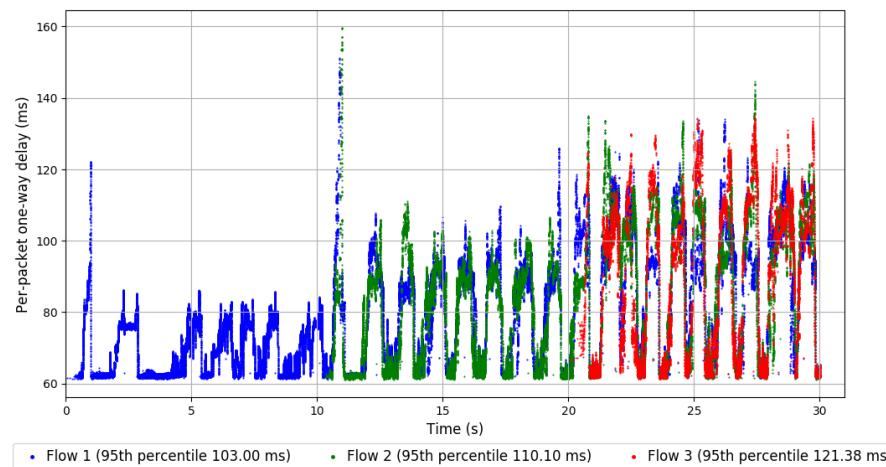
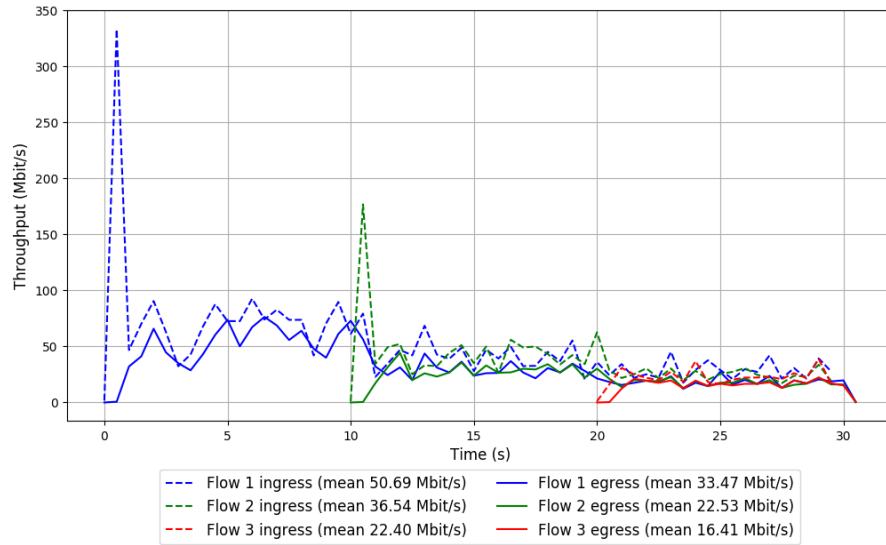


Run 9: Statistics of FillP

```
Start at: 2018-06-18 23:09:17
End at: 2018-06-18 23:09:47
Local clock offset: 6.379 ms
Remote clock offset: -4.649 ms

# Below is generated by plot.py at 2018-06-19 00:07:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.90 Mbit/s
95th percentile per-packet one-way delay: 109.686 ms
Loss rate: 34.60%
-- Flow 1:
Average throughput: 33.47 Mbit/s
95th percentile per-packet one-way delay: 103.001 ms
Loss rate: 33.96%
-- Flow 2:
Average throughput: 22.53 Mbit/s
95th percentile per-packet one-way delay: 110.101 ms
Loss rate: 38.34%
-- Flow 3:
Average throughput: 16.41 Mbit/s
95th percentile per-packet one-way delay: 121.383 ms
Loss rate: 26.76%
```

Run 9: Report of FillP — Data Link

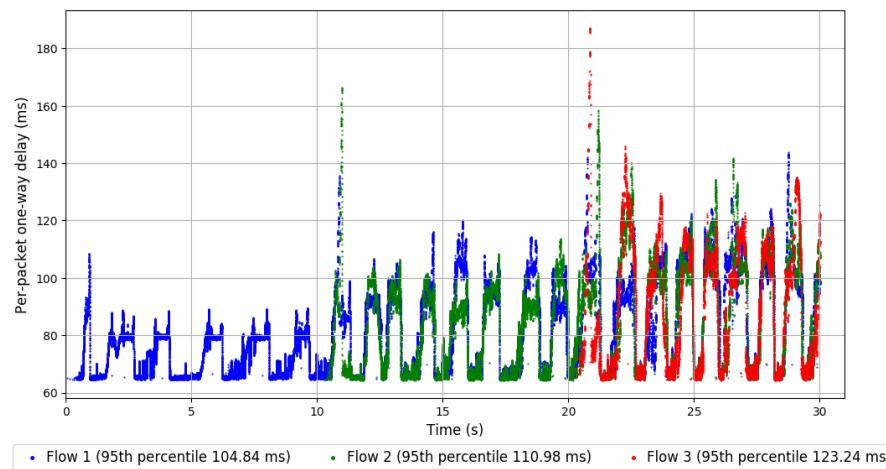
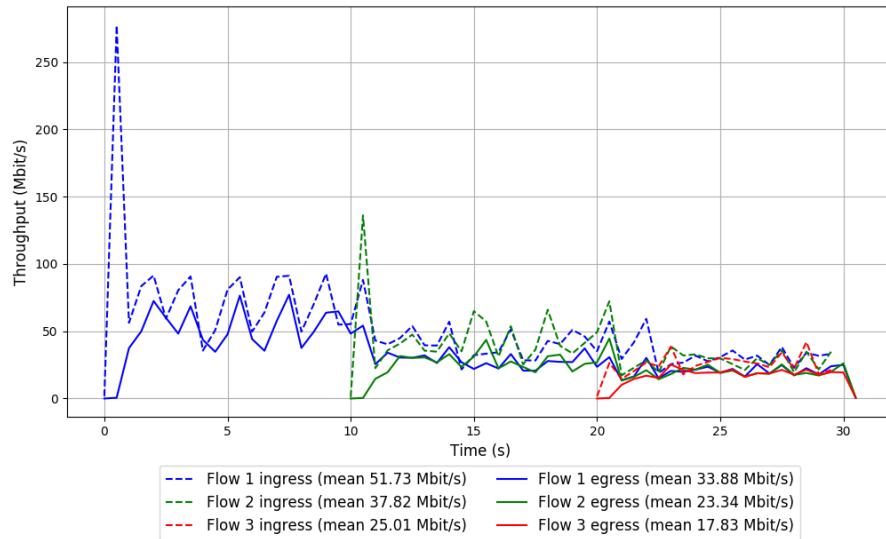


Run 10: Statistics of FillP

```
Start at: 2018-06-18 23:54:55
End at: 2018-06-18 23:55:25
Local clock offset: 4.686 ms
Remote clock offset: -0.544 ms

# Below is generated by plot.py at 2018-06-19 00:07:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.32 Mbit/s
95th percentile per-packet one-way delay: 109.917 ms
Loss rate: 35.04%
-- Flow 1:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 104.837 ms
Loss rate: 34.50%
-- Flow 2:
Average throughput: 23.34 Mbit/s
95th percentile per-packet one-way delay: 110.980 ms
Loss rate: 38.26%
-- Flow 3:
Average throughput: 17.83 Mbit/s
95th percentile per-packet one-way delay: 123.244 ms
Loss rate: 28.62%
```

Run 10: Report of FillP — Data Link

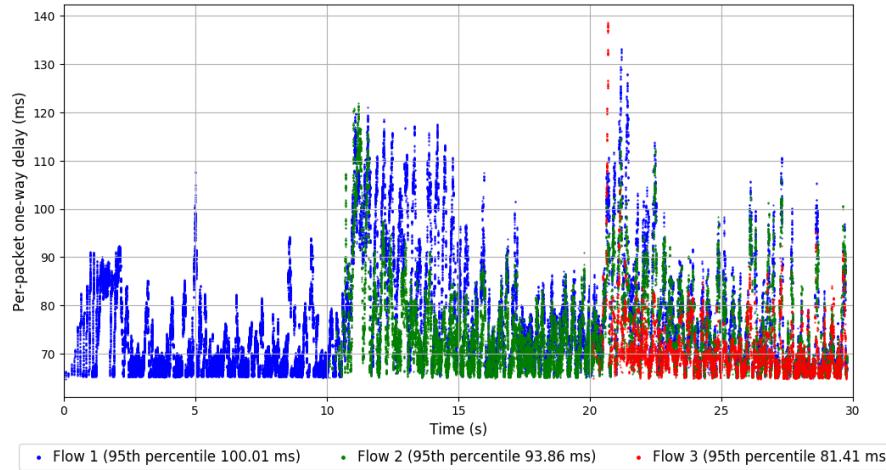
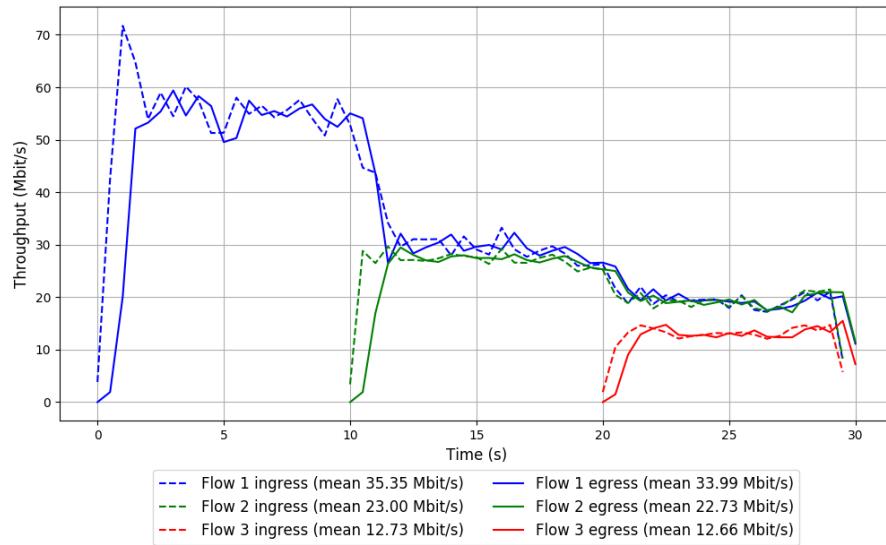


Run 1: Statistics of Indigo

```
Start at: 2018-06-18 16:34:56
End at: 2018-06-18 16:35:26
Local clock offset: -5.033 ms
Remote clock offset: -1.283 ms

# Below is generated by plot.py at 2018-06-19 00:07:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.15 Mbit/s
95th percentile per-packet one-way delay: 97.739 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 33.99 Mbit/s
95th percentile per-packet one-way delay: 100.012 ms
Loss rate: 3.84%
-- Flow 2:
Average throughput: 22.73 Mbit/s
95th percentile per-packet one-way delay: 93.862 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 12.66 Mbit/s
95th percentile per-packet one-way delay: 81.412 ms
Loss rate: 0.51%
```

Run 1: Report of Indigo — Data Link

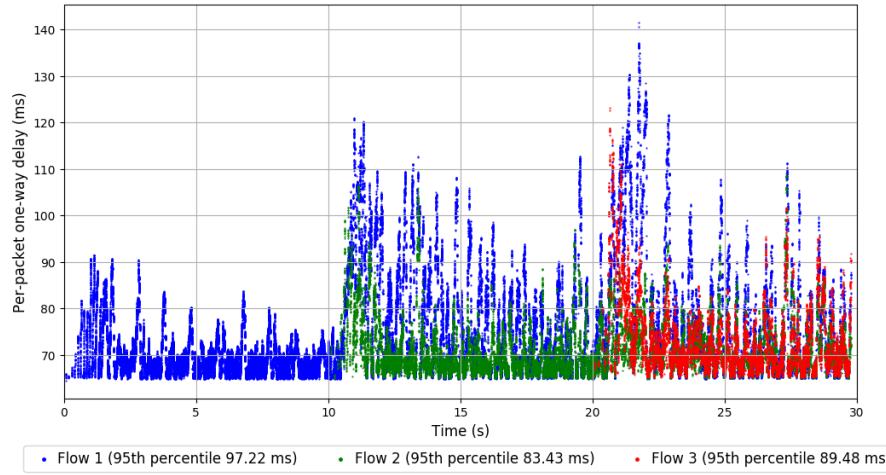
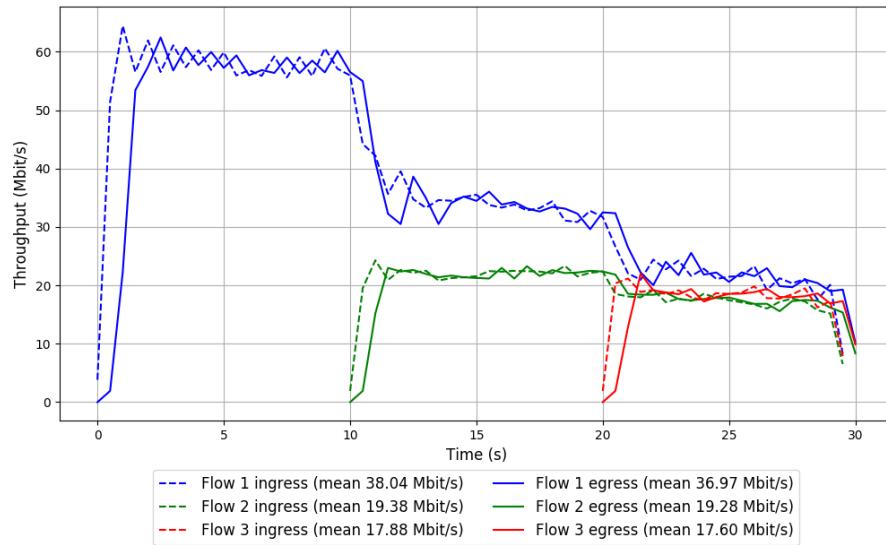


Run 2: Statistics of Indigo

```
Start at: 2018-06-18 17:18:44
End at: 2018-06-18 17:19:14
Local clock offset: -3.061 ms
Remote clock offset: -0.45 ms

# Below is generated by plot.py at 2018-06-19 00:07:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.44 Mbit/s
95th percentile per-packet one-way delay: 93.379 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 36.97 Mbit/s
95th percentile per-packet one-way delay: 97.220 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 19.28 Mbit/s
95th percentile per-packet one-way delay: 83.432 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 17.60 Mbit/s
95th percentile per-packet one-way delay: 89.476 ms
Loss rate: 1.50%
```

Run 2: Report of Indigo — Data Link

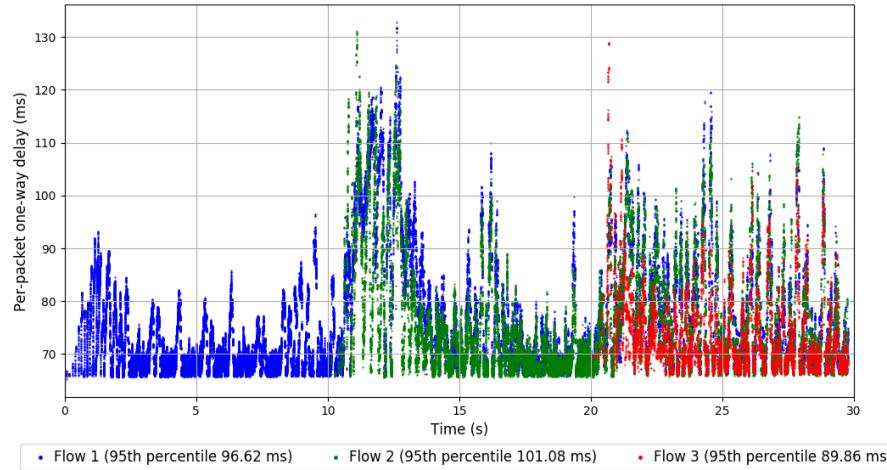
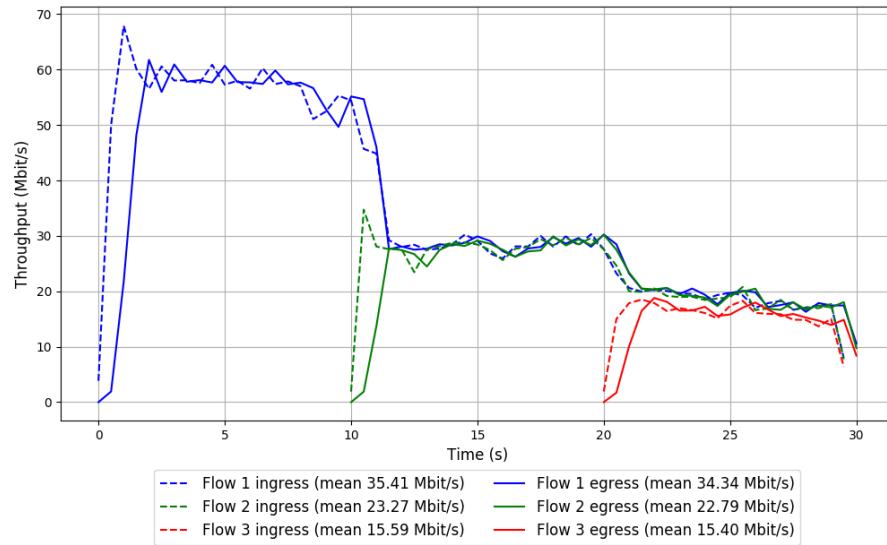


Run 3: Statistics of Indigo

```
Start at: 2018-06-18 18:04:50
End at: 2018-06-18 18:05:20
Local clock offset: 0.452 ms
Remote clock offset: -0.928 ms

# Below is generated by plot.py at 2018-06-19 00:07:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.40 Mbit/s
95th percentile per-packet one-way delay: 97.398 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 96.617 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: 101.076 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 15.40 Mbit/s
95th percentile per-packet one-way delay: 89.858 ms
Loss rate: 1.21%
```

Run 3: Report of Indigo — Data Link

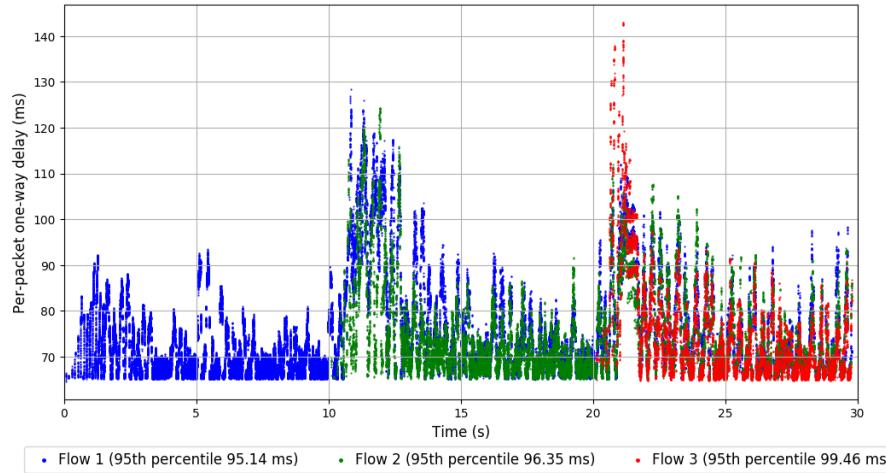
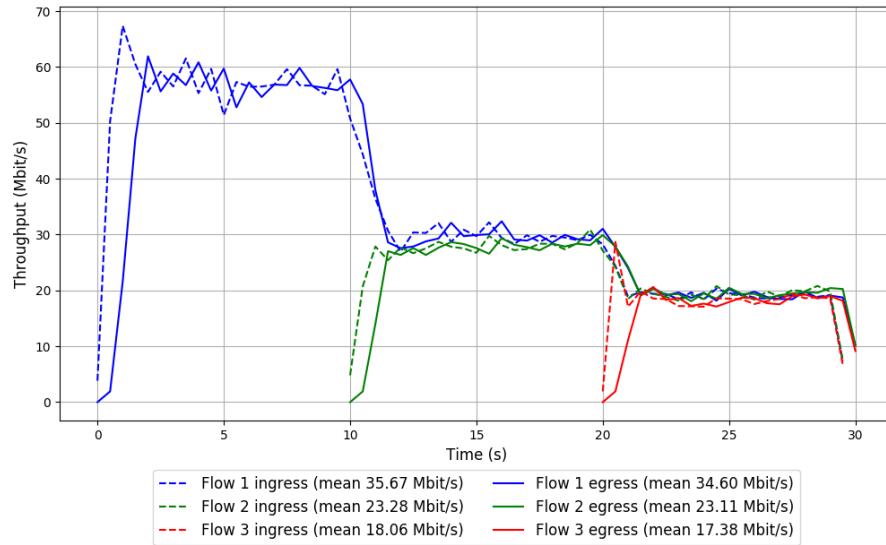


Run 4: Statistics of Indigo

```
Start at: 2018-06-18 18:51:37
End at: 2018-06-18 18:52:07
Local clock offset: 8.149 ms
Remote clock offset: -1.793 ms

# Below is generated by plot.py at 2018-06-19 00:07:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 95.817 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 34.60 Mbit/s
95th percentile per-packet one-way delay: 95.135 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 23.11 Mbit/s
95th percentile per-packet one-way delay: 96.346 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 17.38 Mbit/s
95th percentile per-packet one-way delay: 99.463 ms
Loss rate: 3.60%
```

Run 4: Report of Indigo — Data Link

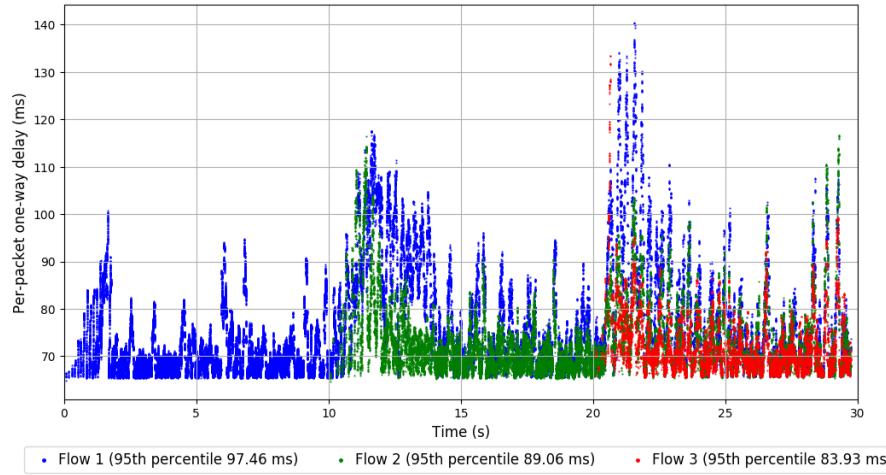
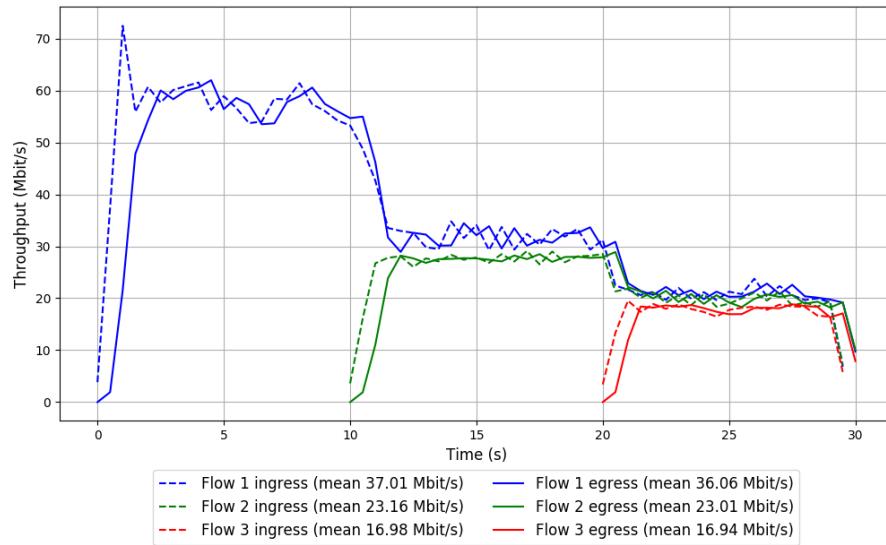


Run 5: Statistics of Indigo

```
Start at: 2018-06-18 19:38:45
End at: 2018-06-18 19:39:15
Local clock offset: -0.719 ms
Remote clock offset: -1.849 ms

# Below is generated by plot.py at 2018-06-19 00:07:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 94.576 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 36.06 Mbit/s
95th percentile per-packet one-way delay: 97.460 ms
Loss rate: 2.54%
-- Flow 2:
Average throughput: 23.01 Mbit/s
95th percentile per-packet one-way delay: 89.059 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 83.931 ms
Loss rate: 0.24%
```

Run 5: Report of Indigo — Data Link

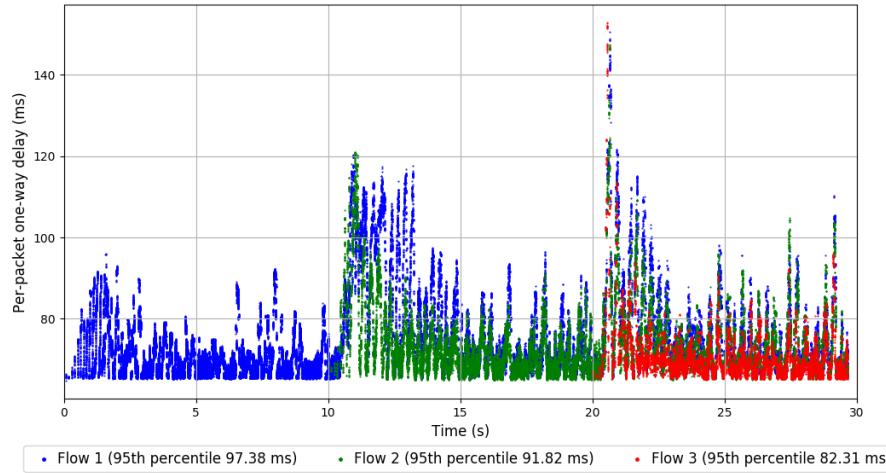
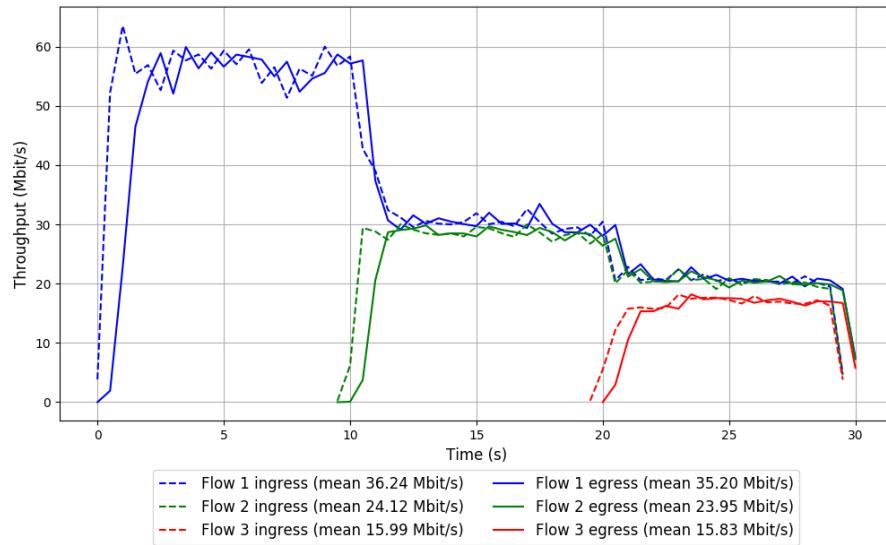


Run 6: Statistics of Indigo

```
Start at: 2018-06-18 20:25:35
End at: 2018-06-18 20:26:05
Local clock offset: 5.47 ms
Remote clock offset: -0.288 ms

# Below is generated by plot.py at 2018-06-19 00:07:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 94.127 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 35.20 Mbit/s
95th percentile per-packet one-way delay: 97.379 ms
Loss rate: 2.87%
-- Flow 2:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 91.824 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 82.311 ms
Loss rate: 0.96%
```

Run 6: Report of Indigo — Data Link

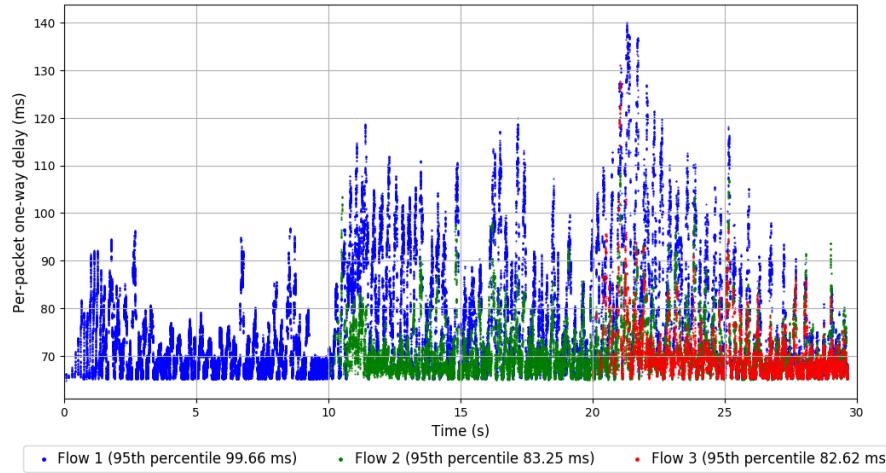
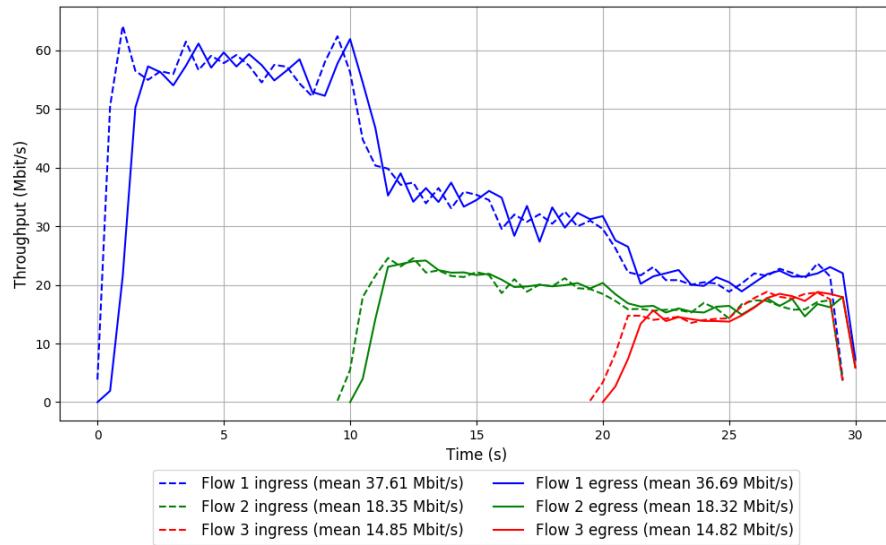


Run 7: Statistics of Indigo

```
Start at: 2018-06-18 21:12:17
End at: 2018-06-18 21:12:47
Local clock offset: 8.26 ms
Remote clock offset: -1.154 ms

# Below is generated by plot.py at 2018-06-19 00:07:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.68 Mbit/s
95th percentile per-packet one-way delay: 96.259 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 99.662 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 83.254 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 14.82 Mbit/s
95th percentile per-packet one-way delay: 82.616 ms
Loss rate: 0.17%
```

Run 7: Report of Indigo — Data Link

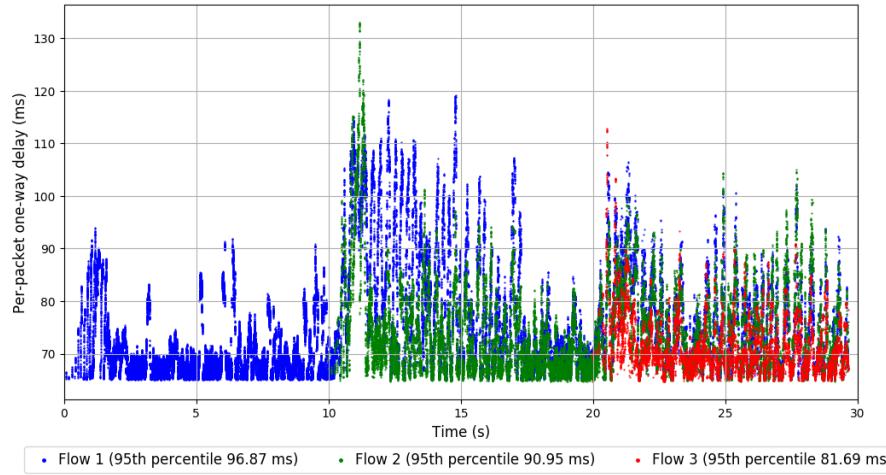
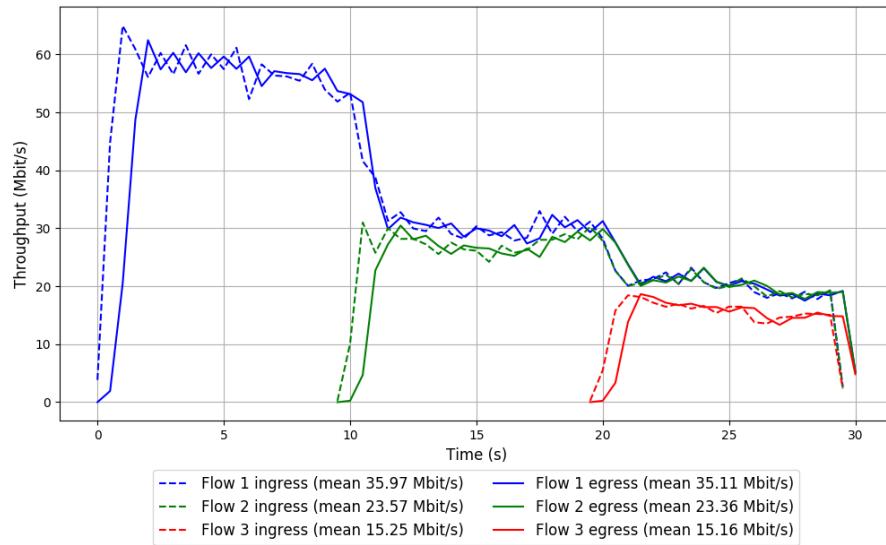


Run 8: Statistics of Indigo

```
Start at: 2018-06-18 21:59:07
End at: 2018-06-18 21:59:37
Local clock offset: -4.139 ms
Remote clock offset: -1.688 ms

# Below is generated by plot.py at 2018-06-19 00:07:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.58 Mbit/s
95th percentile per-packet one-way delay: 94.058 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 35.11 Mbit/s
95th percentile per-packet one-way delay: 96.873 ms
Loss rate: 2.36%
-- Flow 2:
Average throughput: 23.36 Mbit/s
95th percentile per-packet one-way delay: 90.947 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 15.16 Mbit/s
95th percentile per-packet one-way delay: 81.687 ms
Loss rate: 0.47%
```

Run 8: Report of Indigo — Data Link

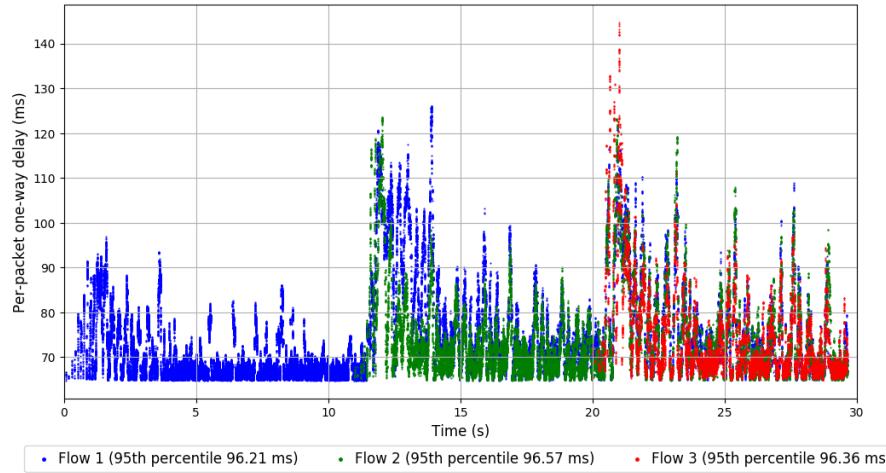
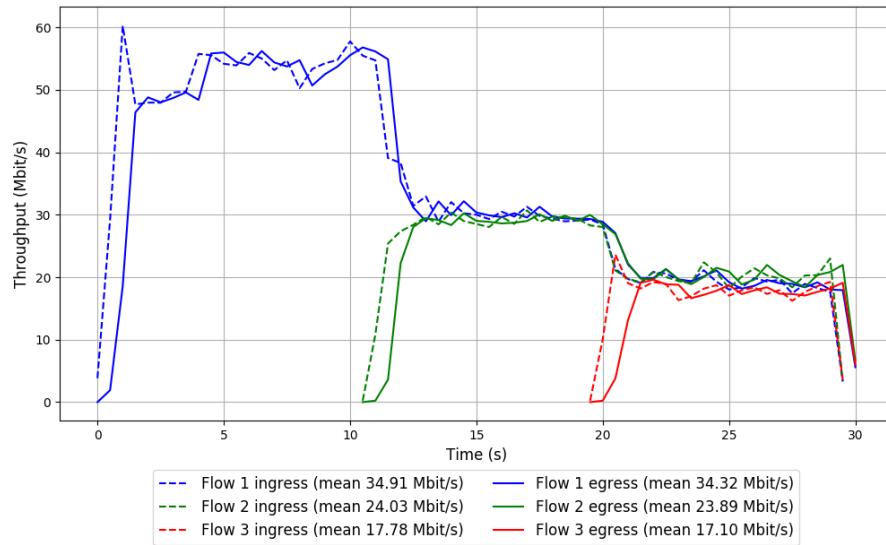


Run 9: Statistics of Indigo

```
Start at: 2018-06-18 22:46:38
End at: 2018-06-18 22:47:08
Local clock offset: 4.801 ms
Remote clock offset: -0.353 ms

# Below is generated by plot.py at 2018-06-19 00:07:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 96.336 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 34.32 Mbit/s
95th percentile per-packet one-way delay: 96.214 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 96.567 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 17.10 Mbit/s
95th percentile per-packet one-way delay: 96.364 ms
Loss rate: 3.84%
```

Run 9: Report of Indigo — Data Link

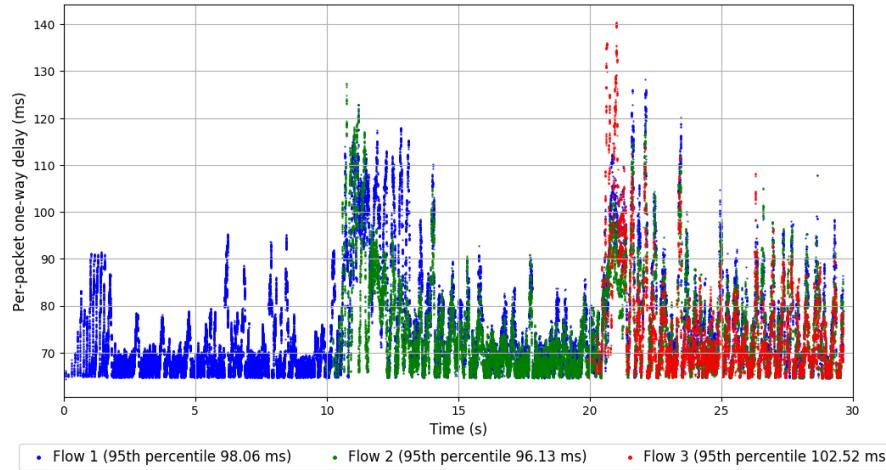
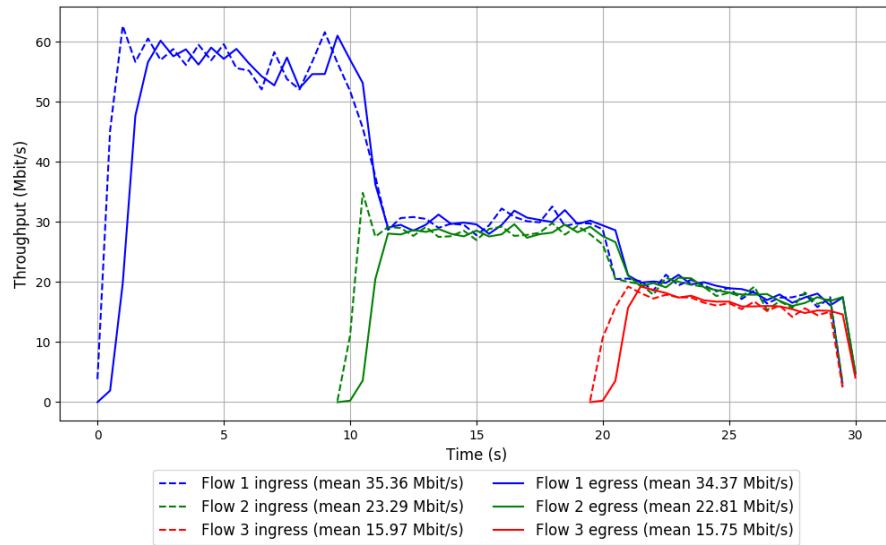


Run 10: Statistics of Indigo

```
Start at: 2018-06-18 23:32:16
End at: 2018-06-18 23:32:46
Local clock offset: 8.582 ms
Remote clock offset: -0.941 ms

# Below is generated by plot.py at 2018-06-19 00:07:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.67 Mbit/s
95th percentile per-packet one-way delay: 97.840 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 34.37 Mbit/s
95th percentile per-packet one-way delay: 98.057 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 22.81 Mbit/s
95th percentile per-packet one-way delay: 96.126 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 15.75 Mbit/s
95th percentile per-packet one-way delay: 102.522 ms
Loss rate: 1.28%
```

Run 10: Report of Indigo — Data Link

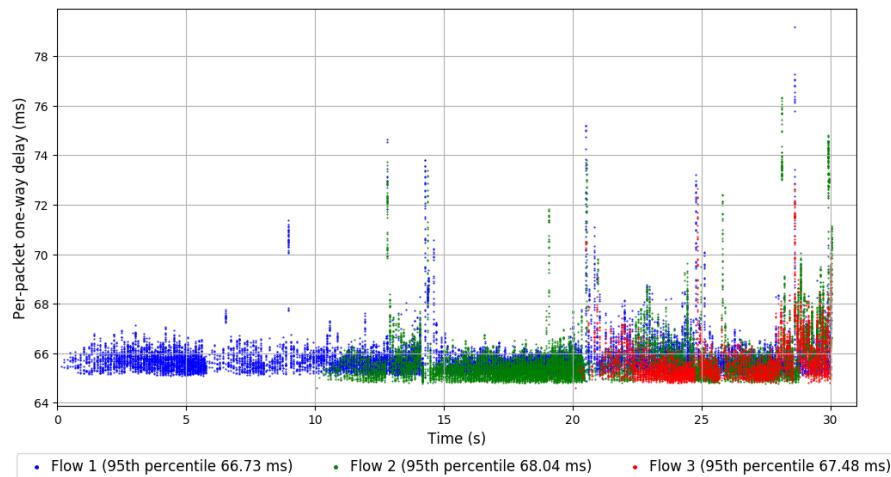
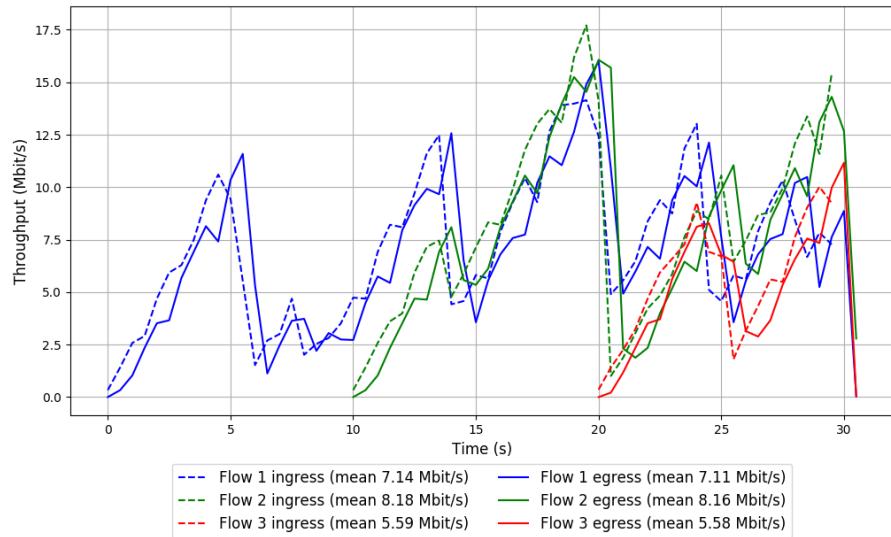


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-18 16:29:31
End at: 2018-06-18 16:30:01
Local clock offset: -4.081 ms
Remote clock offset: -1.511 ms

# Below is generated by plot.py at 2018-06-19 00:07:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.39 Mbit/s
95th percentile per-packet one-way delay: 67.332 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 66.734 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 8.16 Mbit/s
95th percentile per-packet one-way delay: 68.037 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 67.482 ms
Loss rate: 0.15%
```

Run 1: Report of LEDBAT — Data Link

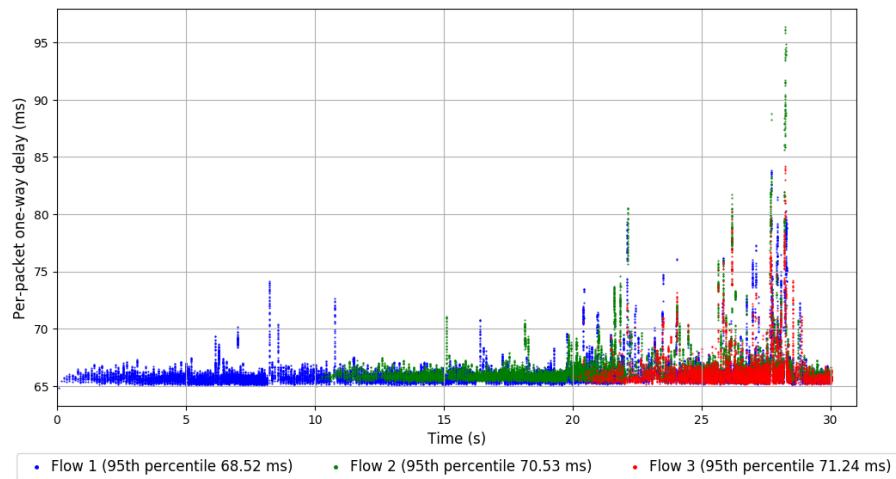
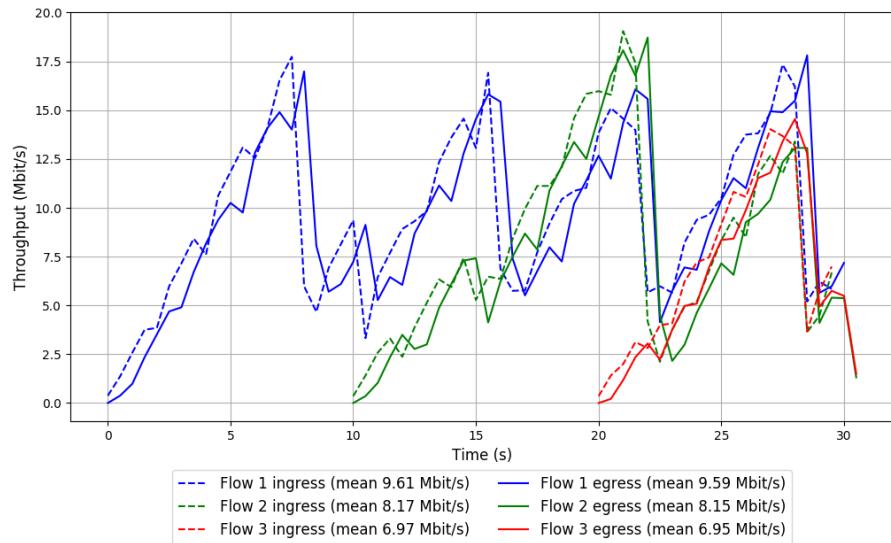


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-18 17:12:50
End at: 2018-06-18 17:13:20
Local clock offset: -3.959 ms
Remote clock offset: -0.319 ms

# Below is generated by plot.py at 2018-06-19 00:07:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.29 Mbit/s
95th percentile per-packet one-way delay: 69.659 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 9.59 Mbit/s
95th percentile per-packet one-way delay: 68.515 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 8.15 Mbit/s
95th percentile per-packet one-way delay: 70.533 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 71.238 ms
Loss rate: 0.36%
```

Run 2: Report of LEDBAT — Data Link

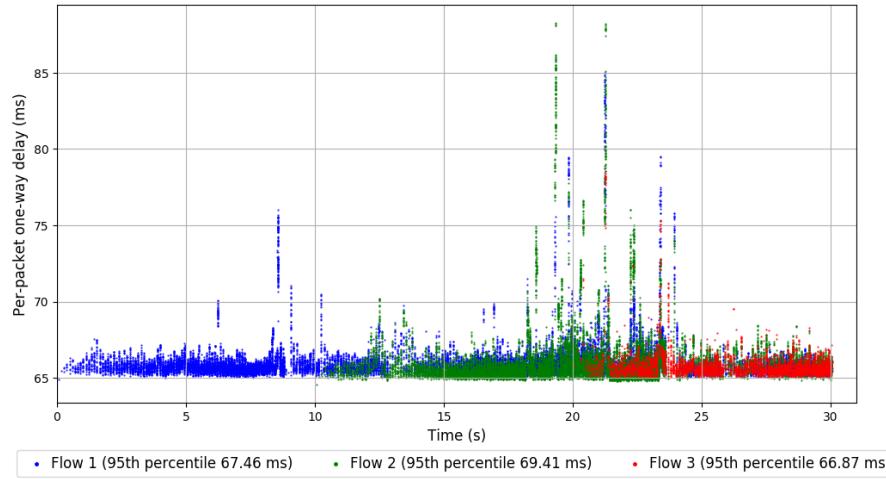
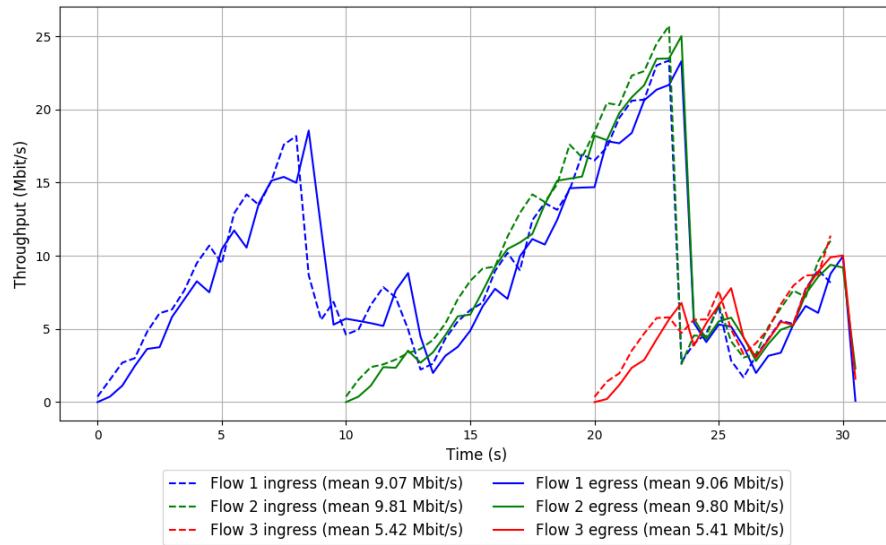


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-18 17:58:58
End at: 2018-06-18 17:59:28
Local clock offset: -3.063 ms
Remote clock offset: -0.816 ms

# Below is generated by plot.py at 2018-06-19 00:07:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.38 Mbit/s
95th percentile per-packet one-way delay: 67.949 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 67.463 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 69.412 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 66.874 ms
Loss rate: 0.13%
```

Run 3: Report of LEDBAT — Data Link

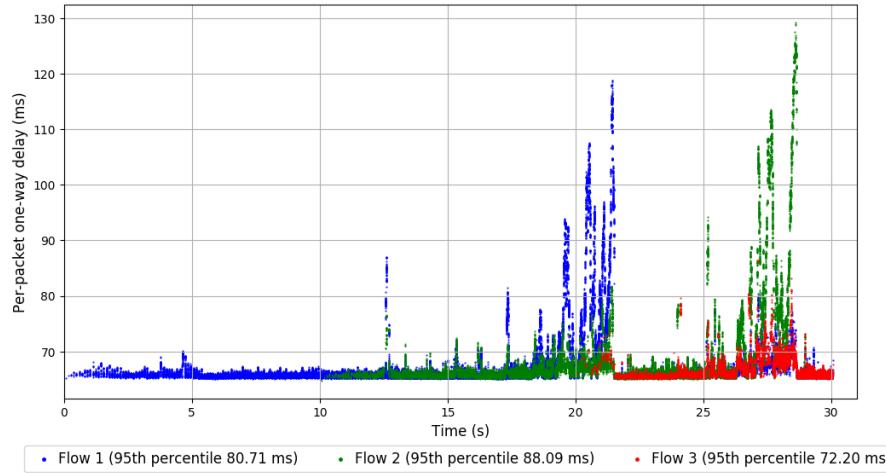
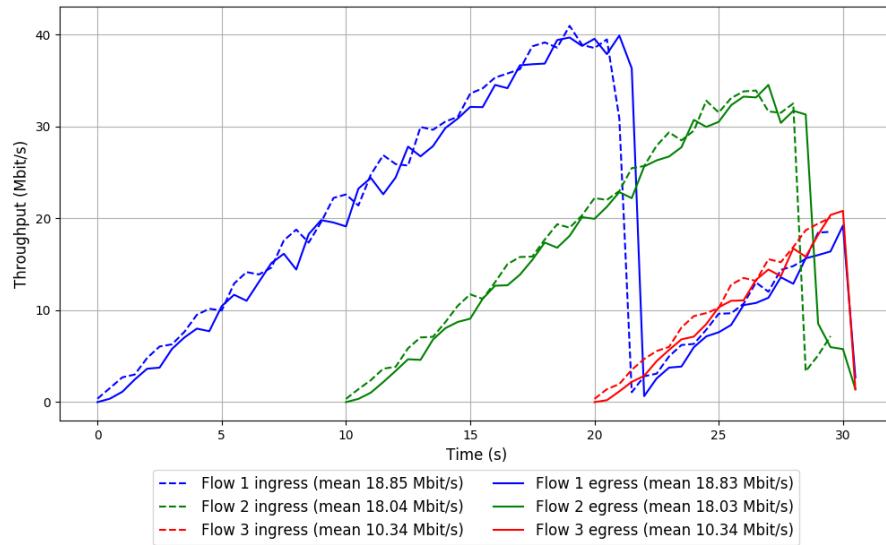


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-18 18:45:17
End at: 2018-06-18 18:45:47
Local clock offset: 8.114 ms
Remote clock offset: -1.532 ms

# Below is generated by plot.py at 2018-06-19 00:08:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.26 Mbit/s
95th percentile per-packet one-way delay: 81.563 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 18.83 Mbit/s
95th percentile per-packet one-way delay: 80.708 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 18.03 Mbit/s
95th percentile per-packet one-way delay: 88.089 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 10.34 Mbit/s
95th percentile per-packet one-way delay: 72.204 ms
Loss rate: 0.01%
```

Run 4: Report of LEDBAT — Data Link

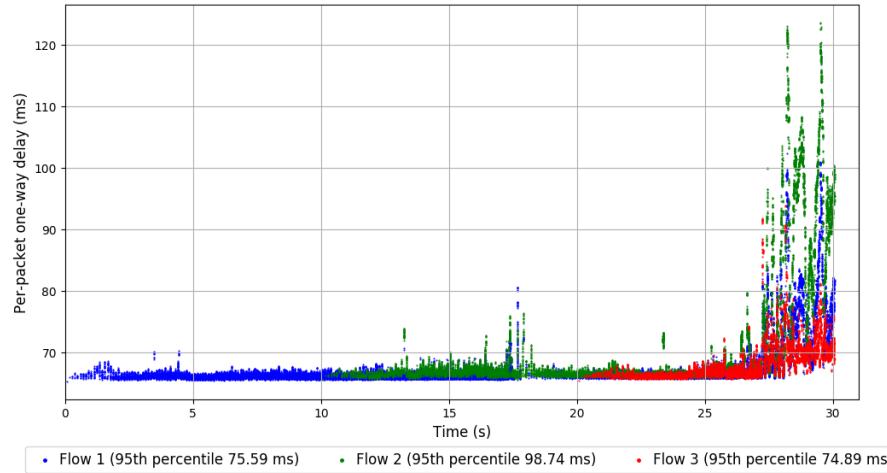
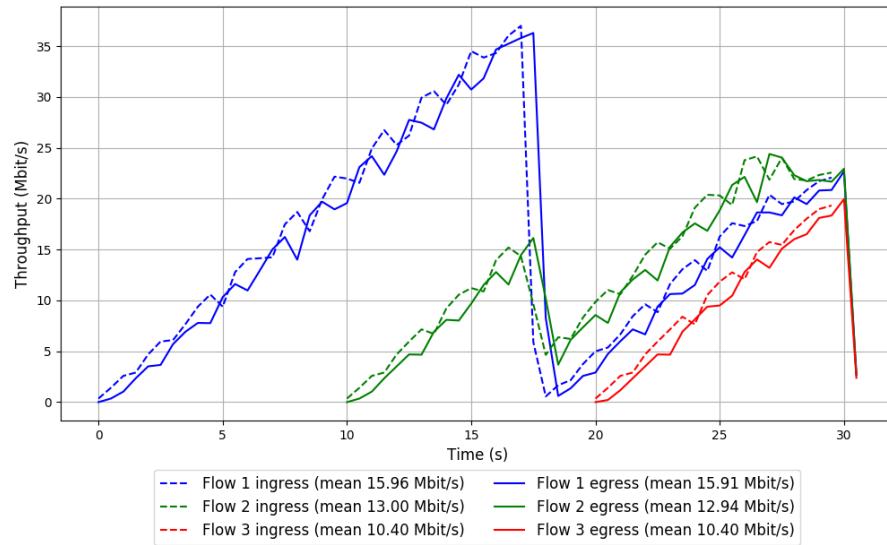


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-18 19:32:28
End at: 2018-06-18 19:32:58
Local clock offset: -5.218 ms
Remote clock offset: -2.059 ms

# Below is generated by plot.py at 2018-06-19 00:08:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.99 Mbit/s
95th percentile per-packet one-way delay: 83.573 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 75.591 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 12.94 Mbit/s
95th percentile per-packet one-way delay: 98.738 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 10.40 Mbit/s
95th percentile per-packet one-way delay: 74.891 ms
Loss rate: 0.03%
```

Run 5: Report of LEDBAT — Data Link

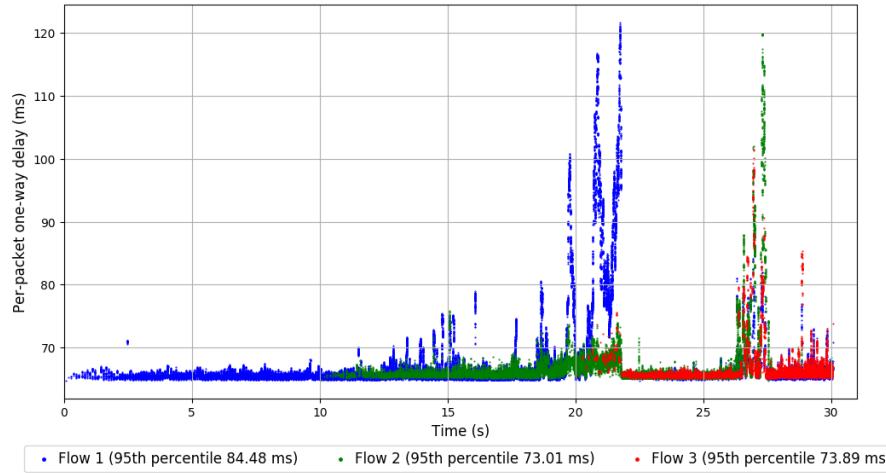
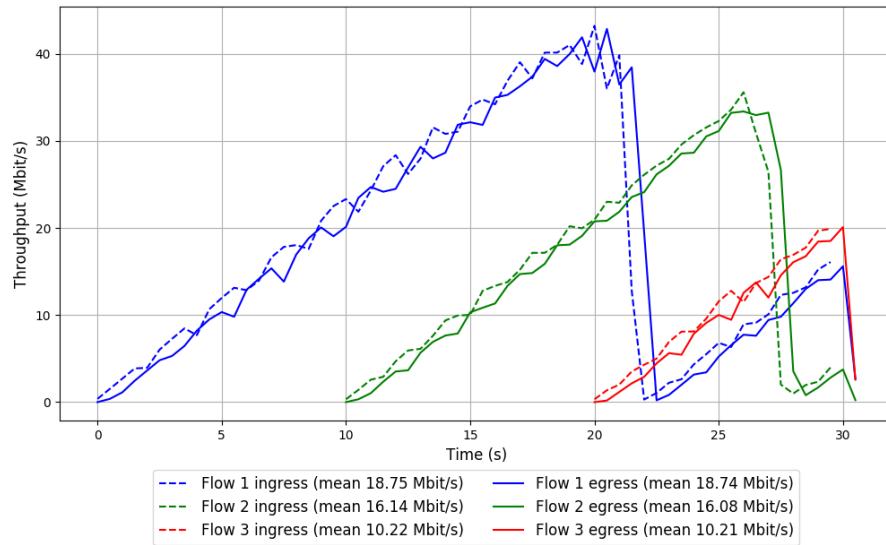


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-18 20:18:59
End at: 2018-06-18 20:19:29
Local clock offset: 5.113 ms
Remote clock offset: -0.427 ms

# Below is generated by plot.py at 2018-06-19 00:08:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.82 Mbit/s
95th percentile per-packet one-way delay: 80.091 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 18.74 Mbit/s
95th percentile per-packet one-way delay: 84.484 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 16.08 Mbit/s
95th percentile per-packet one-way delay: 73.010 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 10.21 Mbit/s
95th percentile per-packet one-way delay: 73.890 ms
Loss rate: 0.02%
```

Run 6: Report of LEDBAT — Data Link

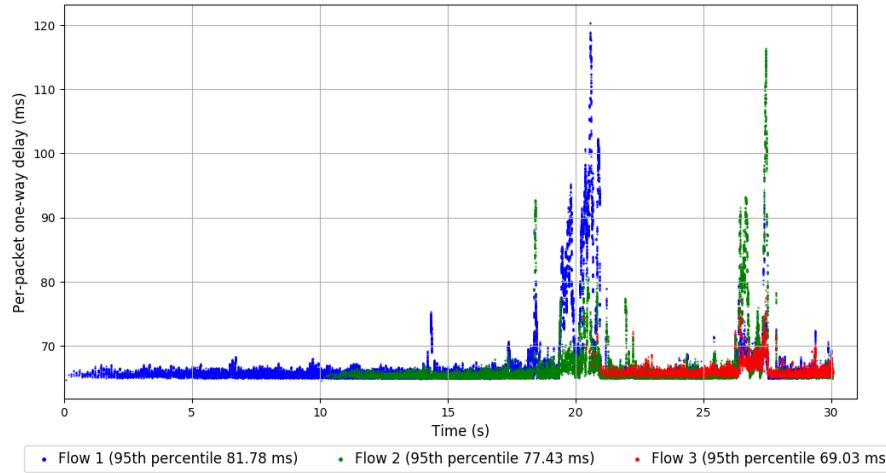
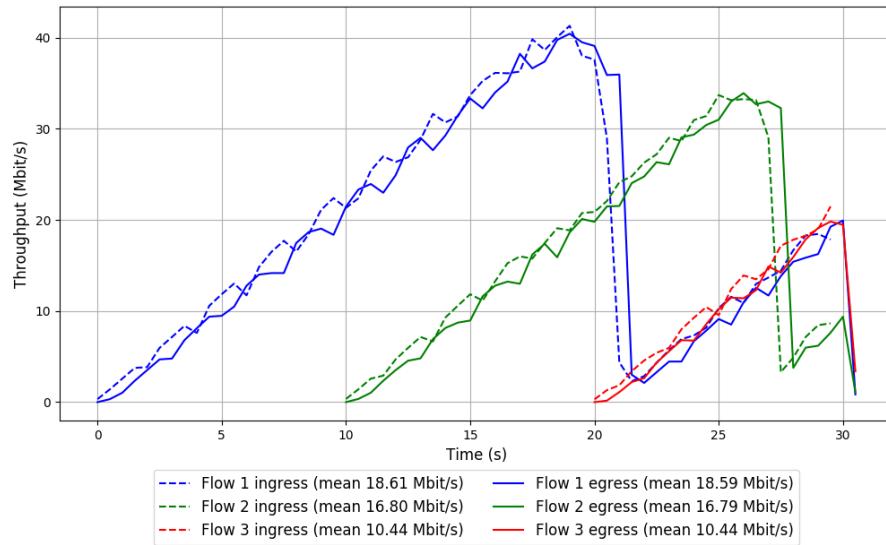


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-18 21:05:39
End at: 2018-06-18 21:06:09
Local clock offset: 8.54 ms
Remote clock offset: -0.407 ms

# Below is generated by plot.py at 2018-06-19 00:08:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 78.166 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 18.59 Mbit/s
95th percentile per-packet one-way delay: 81.778 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 16.79 Mbit/s
95th percentile per-packet one-way delay: 77.430 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 10.44 Mbit/s
95th percentile per-packet one-way delay: 69.031 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

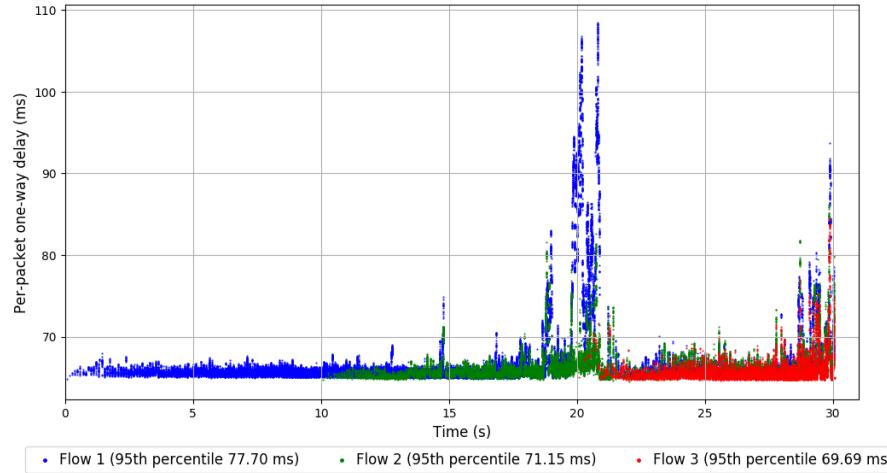
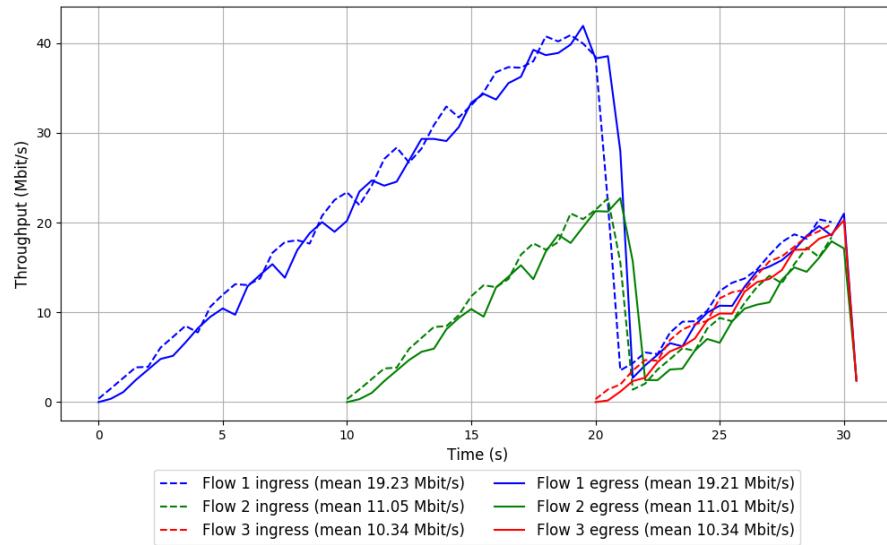


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-18 21:53:03
End at: 2018-06-18 21:53:33
Local clock offset: -3.003 ms
Remote clock offset: -1.657 ms

# Below is generated by plot.py at 2018-06-19 00:08:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 74.432 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 19.21 Mbit/s
95th percentile per-packet one-way delay: 77.705 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 11.01 Mbit/s
95th percentile per-packet one-way delay: 71.148 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 10.34 Mbit/s
95th percentile per-packet one-way delay: 69.686 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

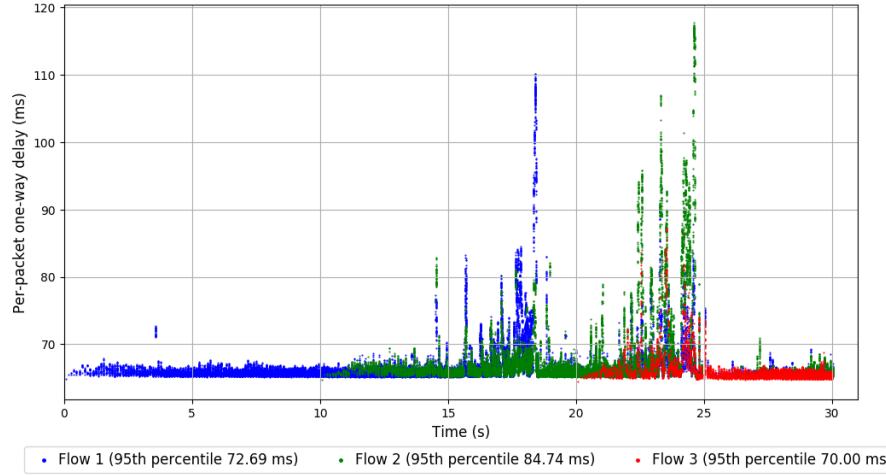
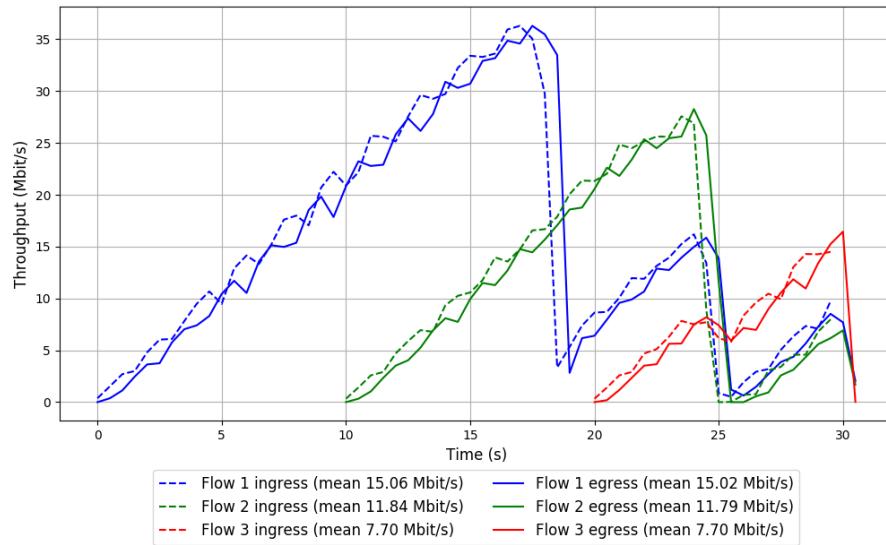


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-18 22:40:18
End at: 2018-06-18 22:40:48
Local clock offset: 5.717 ms
Remote clock offset: -0.324 ms

# Below is generated by plot.py at 2018-06-19 00:08:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.42 Mbit/s
95th percentile per-packet one-way delay: 76.373 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 15.02 Mbit/s
95th percentile per-packet one-way delay: 72.692 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 84.742 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 70.003 ms
Loss rate: 0.03%
```

Run 9: Report of LEDBAT — Data Link

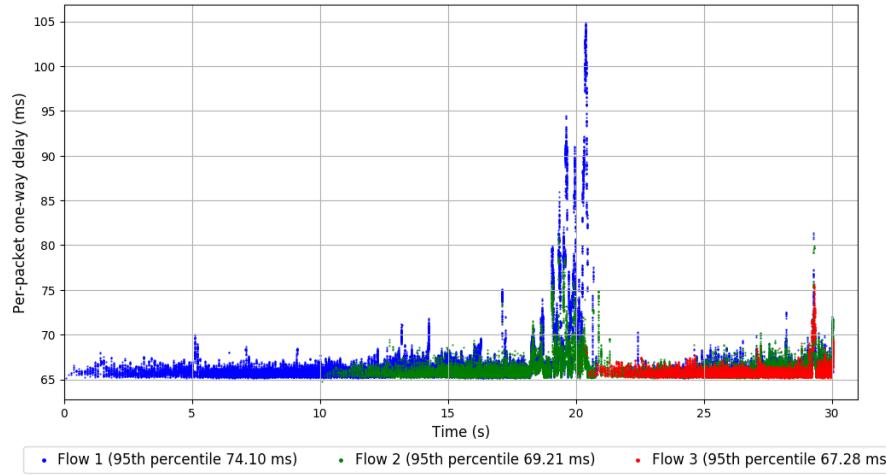
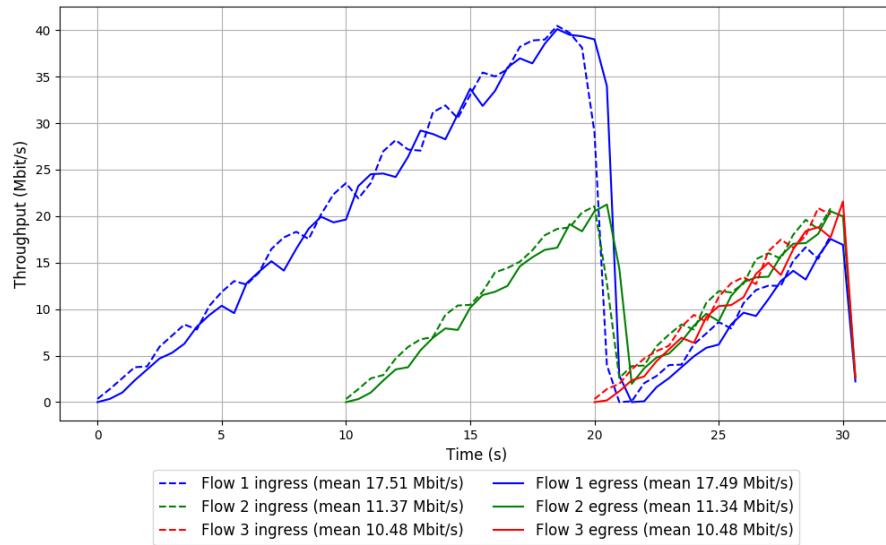


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-18 23:25:45
End at: 2018-06-18 23:26:15
Local clock offset: 8.416 ms
Remote clock offset: -1.144 ms

# Below is generated by plot.py at 2018-06-19 00:08:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.52 Mbit/s
95th percentile per-packet one-way delay: 71.111 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 74.101 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 11.34 Mbit/s
95th percentile per-packet one-way delay: 69.213 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 10.48 Mbit/s
95th percentile per-packet one-way delay: 67.284 ms
Loss rate: 0.01%
```

Run 10: Report of LEDBAT — Data Link

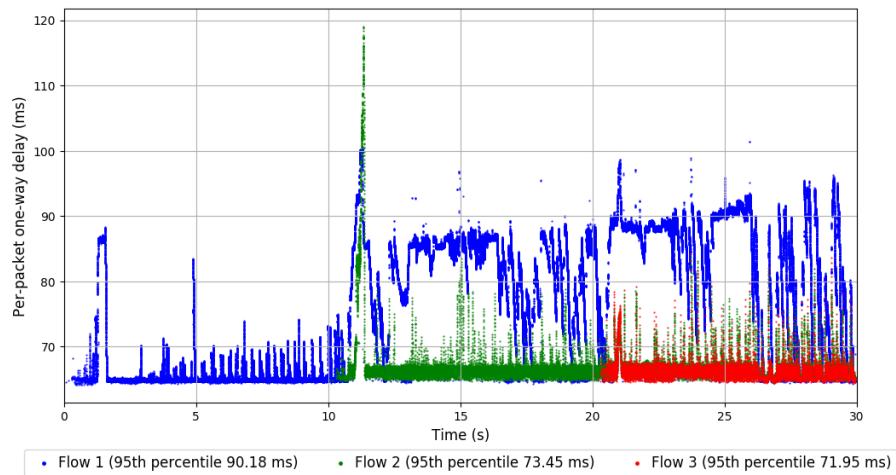
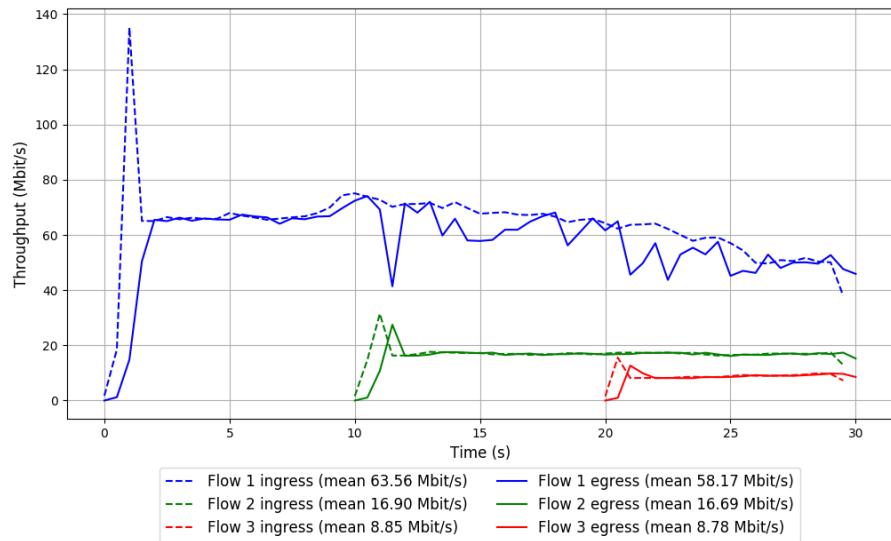


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-18 16:17:16
End at: 2018-06-18 16:17:46
Local clock offset: -3.877 ms
Remote clock offset: -1.422 ms

# Below is generated by plot.py at 2018-06-19 00:08:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.16 Mbit/s
95th percentile per-packet one-way delay: 89.764 ms
Loss rate: 7.13%
-- Flow 1:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 90.179 ms
Loss rate: 8.47%
-- Flow 2:
Average throughput: 16.69 Mbit/s
95th percentile per-packet one-way delay: 73.454 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 8.78 Mbit/s
95th percentile per-packet one-way delay: 71.954 ms
Loss rate: 0.69%
```

Run 1: Report of PCC-Allegro — Data Link

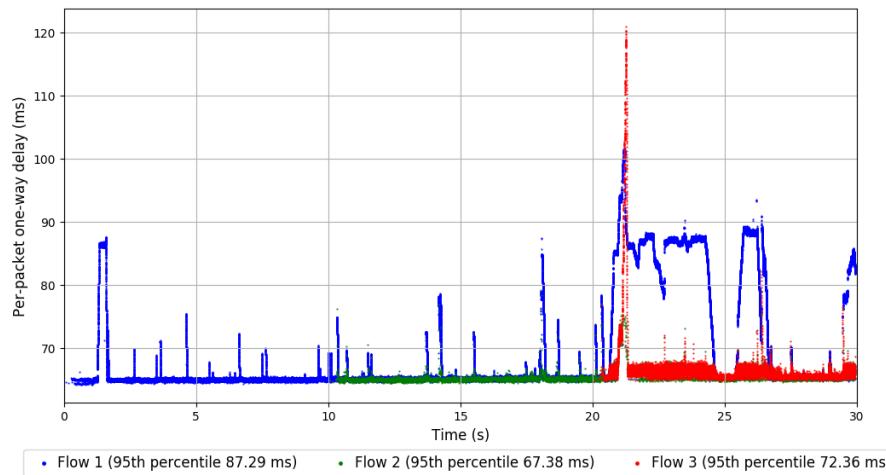
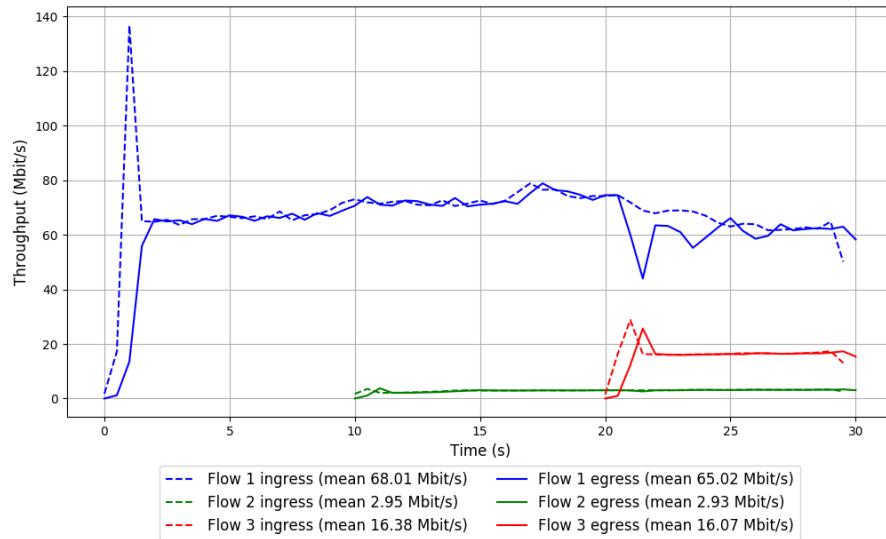


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-18 17:01:25
End at: 2018-06-18 17:01:55
Local clock offset: -7.645 ms
Remote clock offset: -0.238 ms

# Below is generated by plot.py at 2018-06-19 00:08:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.27 Mbit/s
95th percentile per-packet one-way delay: 87.210 ms
Loss rate: 4.11%
-- Flow 1:
Average throughput: 65.02 Mbit/s
95th percentile per-packet one-way delay: 87.286 ms
Loss rate: 4.39%
-- Flow 2:
Average throughput: 2.93 Mbit/s
95th percentile per-packet one-way delay: 67.380 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 16.07 Mbit/s
95th percentile per-packet one-way delay: 72.359 ms
Loss rate: 1.83%
```

Run 2: Report of PCC-Allegro — Data Link

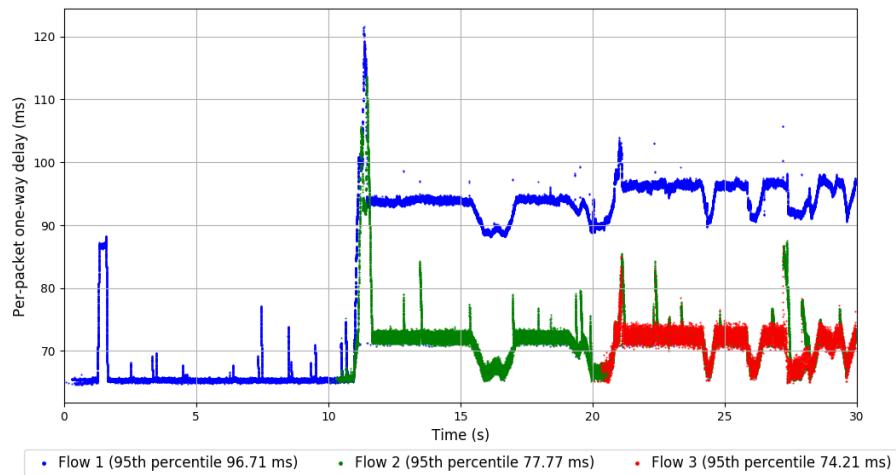
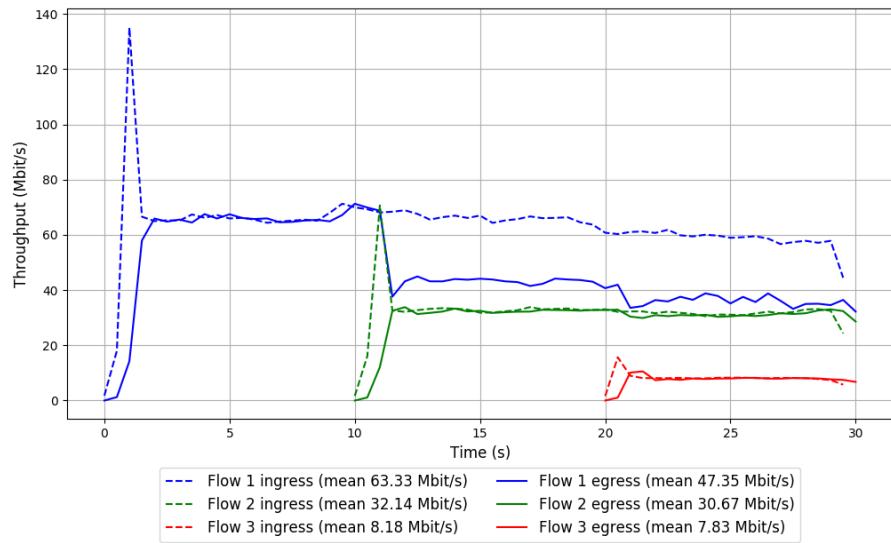


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-18 17:47:41
End at: 2018-06-18 17:48:11
Local clock offset: -3.176 ms
Remote clock offset: -0.6 ms

# Below is generated by plot.py at 2018-06-19 00:09:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 96.559 ms
Loss rate: 19.51%
-- Flow 1:
Average throughput: 47.35 Mbit/s
95th percentile per-packet one-way delay: 96.710 ms
Loss rate: 25.22%
-- Flow 2:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: 77.771 ms
Loss rate: 4.52%
-- Flow 3:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 74.213 ms
Loss rate: 4.26%
```

Run 3: Report of PCC-Allegro — Data Link

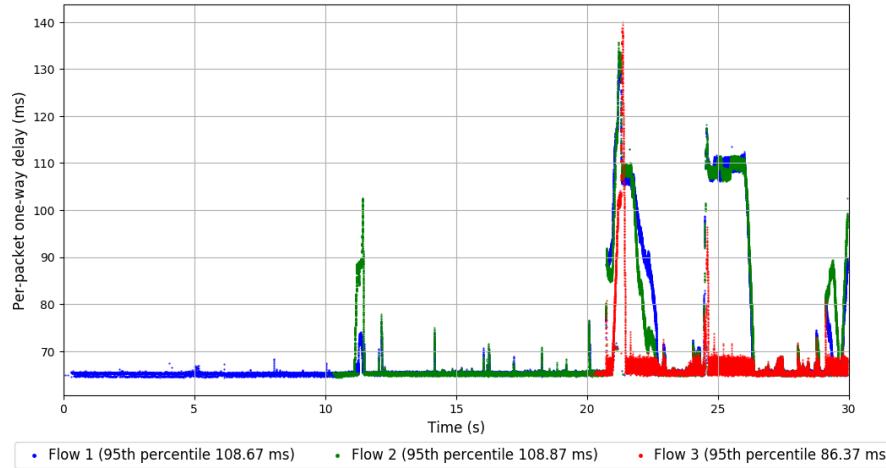
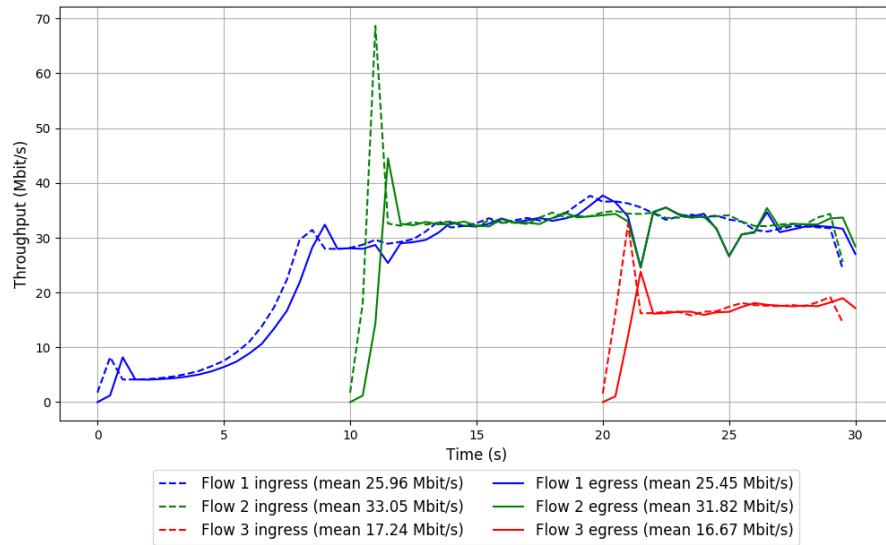


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-18 18:34:41
End at: 2018-06-18 18:35:11
Local clock offset: 9.888 ms
Remote clock offset: -1.363 ms

# Below is generated by plot.py at 2018-06-19 00:09:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.12 Mbit/s
95th percentile per-packet one-way delay: 108.547 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 25.45 Mbit/s
95th percentile per-packet one-way delay: 108.670 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 108.870 ms
Loss rate: 3.69%
-- Flow 3:
Average throughput: 16.67 Mbit/s
95th percentile per-packet one-way delay: 86.374 ms
Loss rate: 3.32%
```

Run 4: Report of PCC-Allegro — Data Link

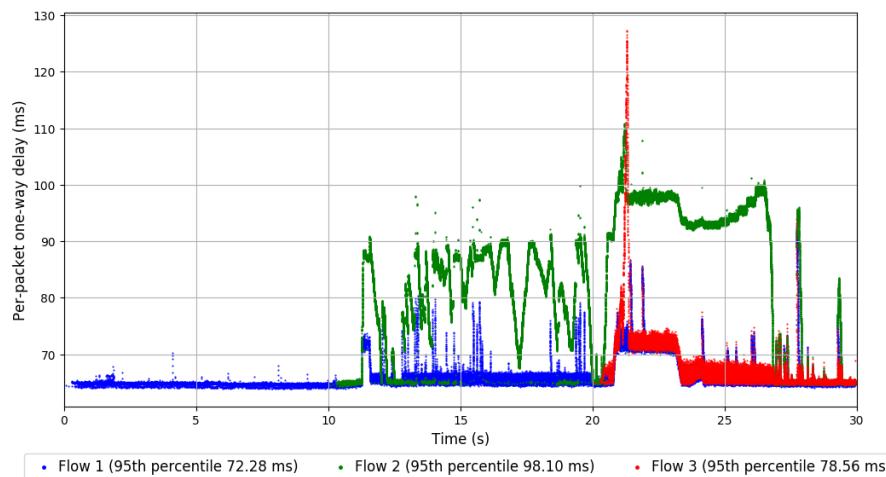
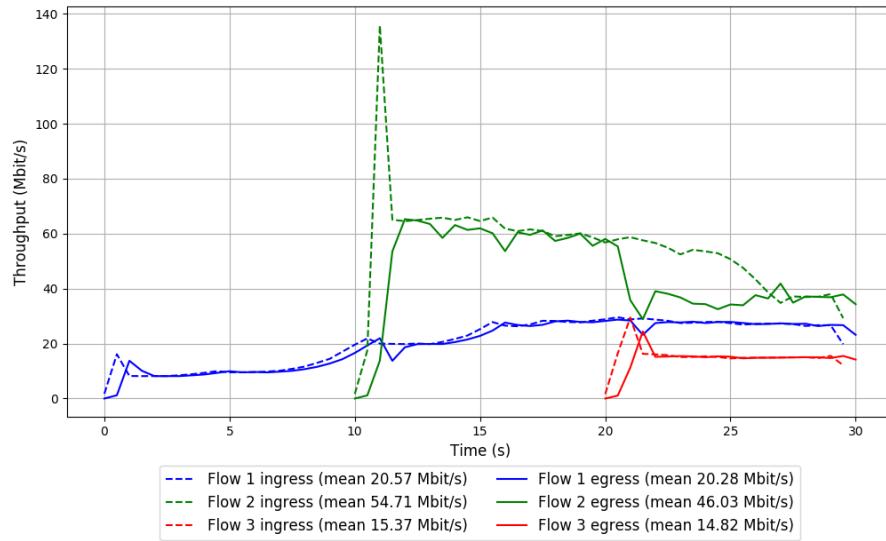


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-18 19:21:17
End at: 2018-06-18 19:21:47
Local clock offset: -3.878 ms
Remote clock offset: -2.76 ms

# Below is generated by plot.py at 2018-06-19 00:09:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.77 Mbit/s
95th percentile per-packet one-way delay: 97.529 ms
Loss rate: 10.06%
-- Flow 1:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 72.278 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 46.03 Mbit/s
95th percentile per-packet one-way delay: 98.096 ms
Loss rate: 15.86%
-- Flow 3:
Average throughput: 14.82 Mbit/s
95th percentile per-packet one-way delay: 78.555 ms
Loss rate: 3.55%
```

Run 5: Report of PCC-Allegro — Data Link

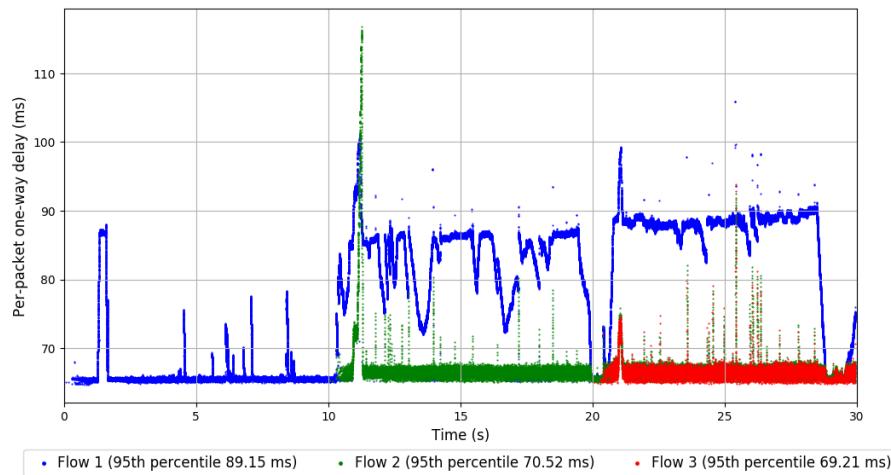
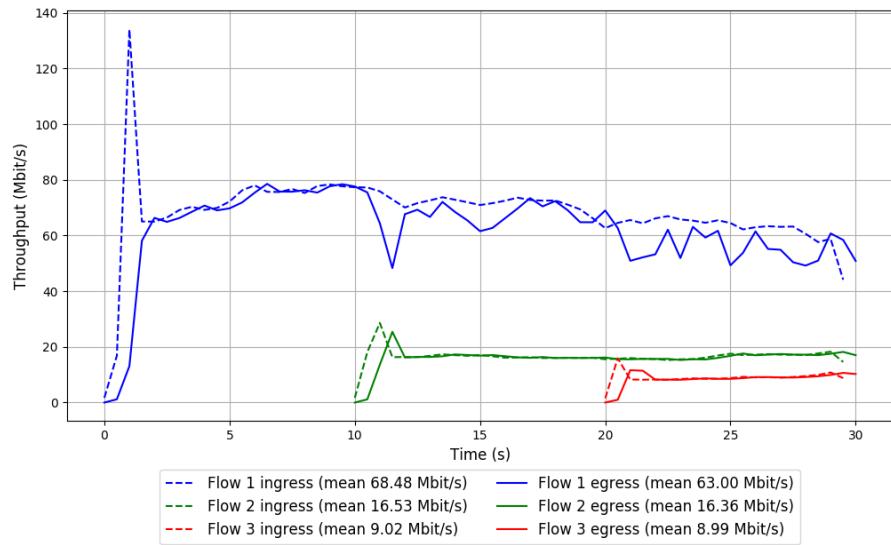


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-18 20:07:00
End at: 2018-06-18 20:07:31
Local clock offset: 4.077 ms
Remote clock offset: -0.877 ms

# Below is generated by plot.py at 2018-06-19 00:09:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.83 Mbit/s
95th percentile per-packet one-way delay: 89.008 ms
Loss rate: 6.80%
-- Flow 1:
Average throughput: 63.00 Mbit/s
95th percentile per-packet one-way delay: 89.153 ms
Loss rate: 8.01%
-- Flow 2:
Average throughput: 16.36 Mbit/s
95th percentile per-packet one-way delay: 70.515 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 8.99 Mbit/s
95th percentile per-packet one-way delay: 69.208 ms
Loss rate: 0.31%
```

Run 6: Report of PCC-Allegro — Data Link

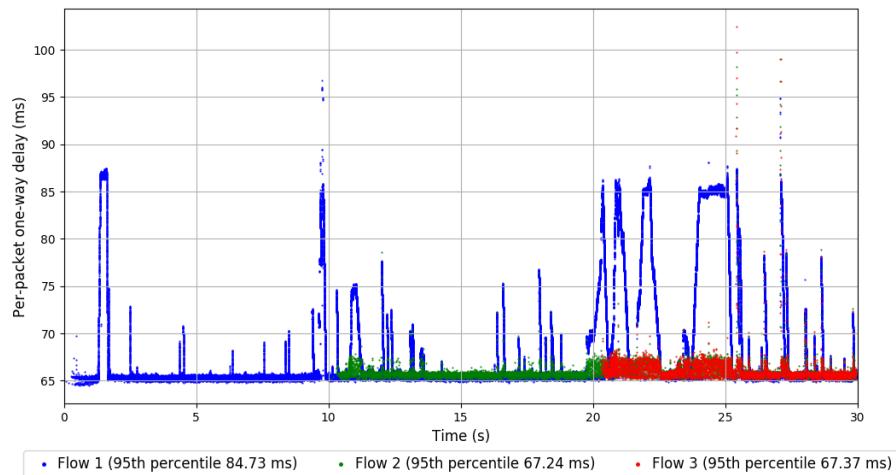
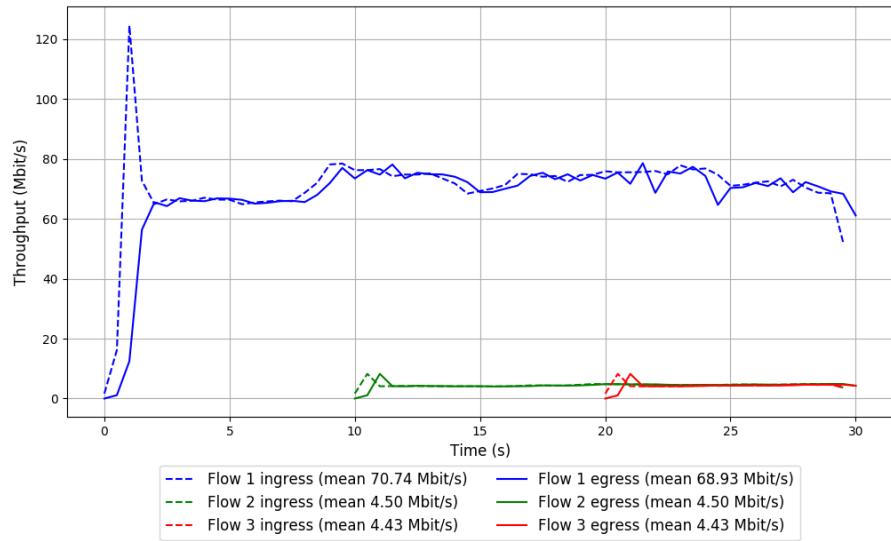


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-18 20:54:05
End at: 2018-06-18 20:54:35
Local clock offset: 8.258 ms
Remote clock offset: -0.449 ms

# Below is generated by plot.py at 2018-06-19 00:09:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.39 Mbit/s
95th percentile per-packet one-way delay: 84.632 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 68.93 Mbit/s
95th percentile per-packet one-way delay: 84.731 ms
Loss rate: 2.55%
-- Flow 2:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 67.237 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 67.373 ms
Loss rate: 0.03%
```

Run 7: Report of PCC-Allegro — Data Link

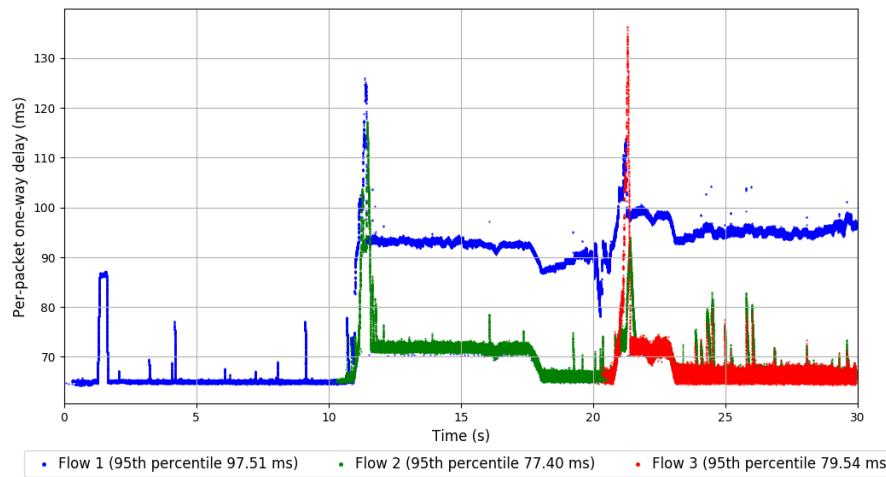
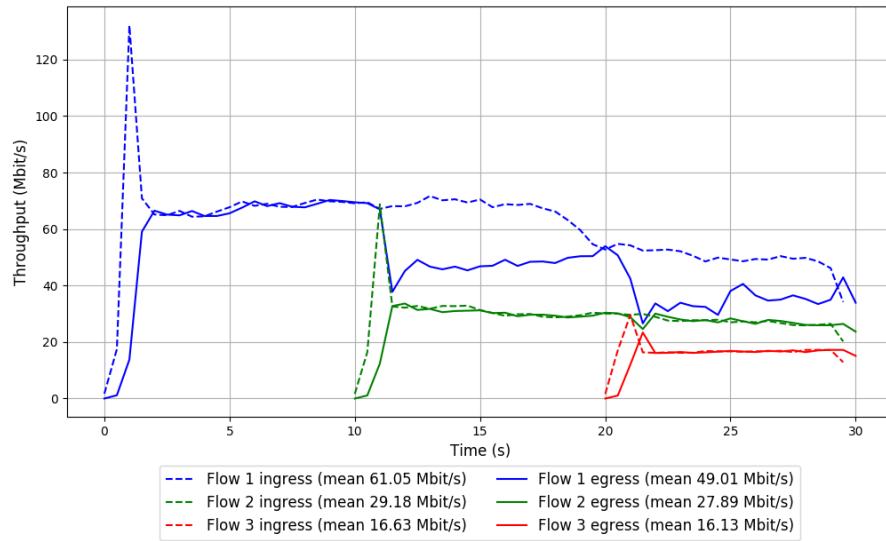


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-18 21:41:45
End at: 2018-06-18 21:42:15
Local clock offset: 0.387 ms
Remote clock offset: -1.768 ms

# Below is generated by plot.py at 2018-06-19 00:09:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.87 Mbit/s
95th percentile per-packet one-way delay: 96.297 ms
Loss rate: 15.21%
-- Flow 1:
Average throughput: 49.01 Mbit/s
95th percentile per-packet one-way delay: 97.507 ms
Loss rate: 19.73%
-- Flow 2:
Average throughput: 27.89 Mbit/s
95th percentile per-packet one-way delay: 77.396 ms
Loss rate: 4.42%
-- Flow 3:
Average throughput: 16.13 Mbit/s
95th percentile per-packet one-way delay: 79.539 ms
Loss rate: 2.99%
```

Run 8: Report of PCC-Allegro — Data Link

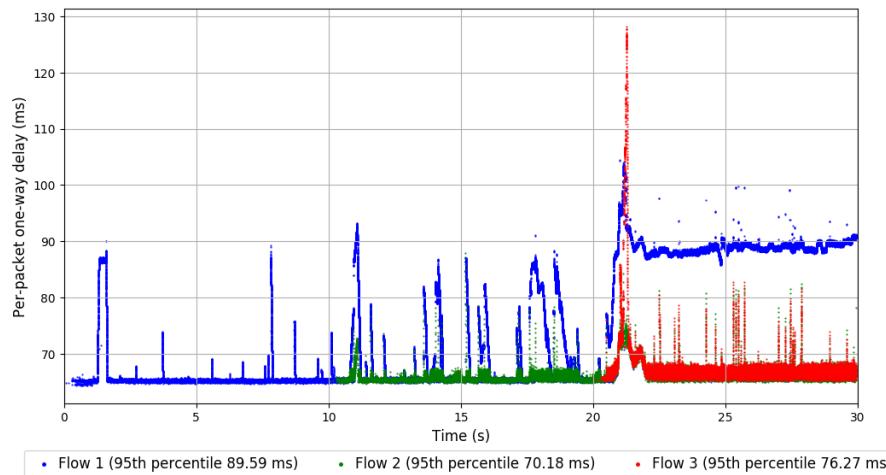
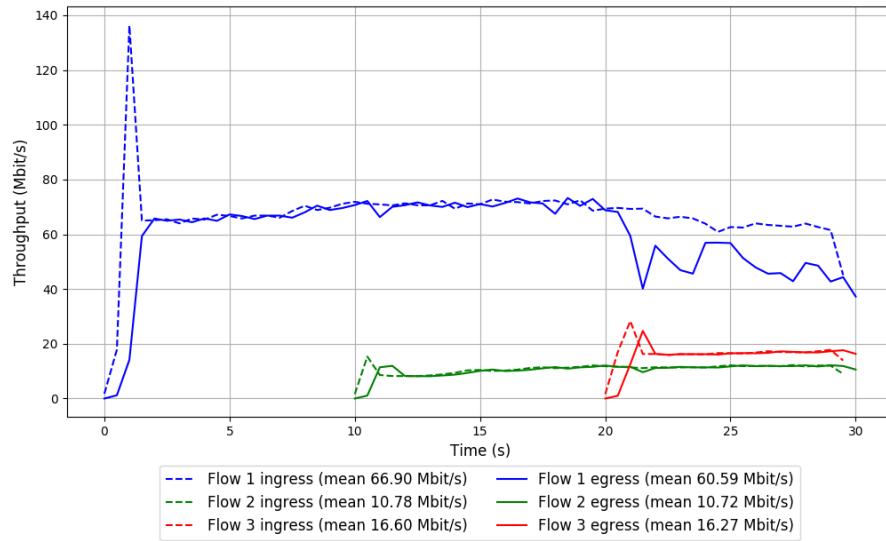


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-18 22:28:24
End at: 2018-06-18 22:28:54
Local clock offset: 8.344 ms
Remote clock offset: -0.71 ms

# Below is generated by plot.py at 2018-06-19 00:09:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.06 Mbit/s
95th percentile per-packet one-way delay: 89.484 ms
Loss rate: 8.11%
-- Flow 1:
Average throughput: 60.59 Mbit/s
95th percentile per-packet one-way delay: 89.586 ms
Loss rate: 9.43%
-- Flow 2:
Average throughput: 10.72 Mbit/s
95th percentile per-packet one-way delay: 70.176 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 16.27 Mbit/s
95th percentile per-packet one-way delay: 76.270 ms
Loss rate: 1.96%
```

Run 9: Report of PCC-Allegro — Data Link

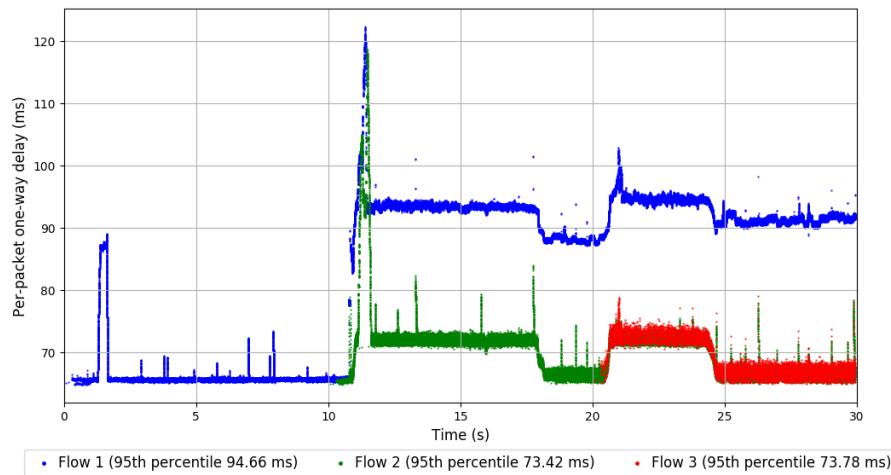
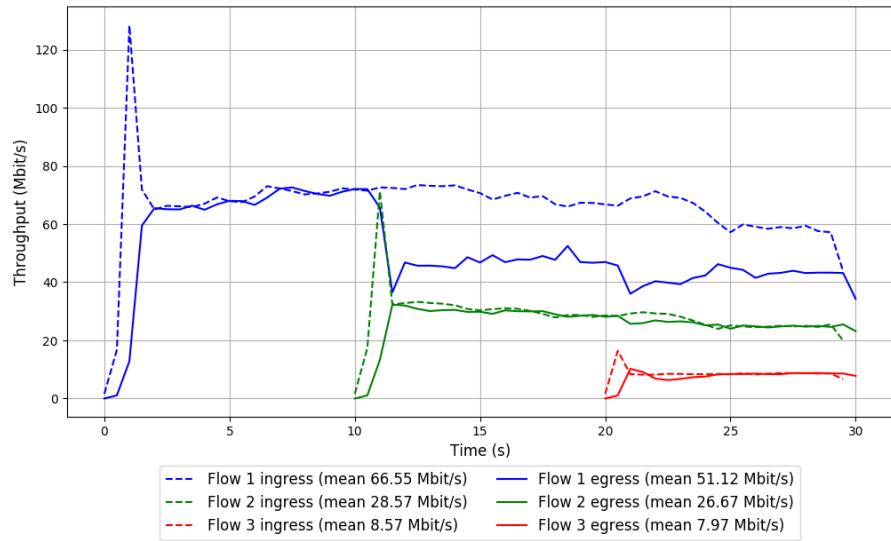


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-18 23:14:06
End at: 2018-06-18 23:14:36
Local clock offset: 7.238 ms
Remote clock offset: -1.197 ms

# Below is generated by plot.py at 2018-06-19 00:09:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.48 Mbit/s
95th percentile per-packet one-way delay: 94.505 ms
Loss rate: 19.11%
-- Flow 1:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 94.660 ms
Loss rate: 23.18%
-- Flow 2:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 73.421 ms
Loss rate: 6.66%
-- Flow 3:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 73.778 ms
Loss rate: 7.02%
```

Run 10: Report of PCC-Allegro — Data Link

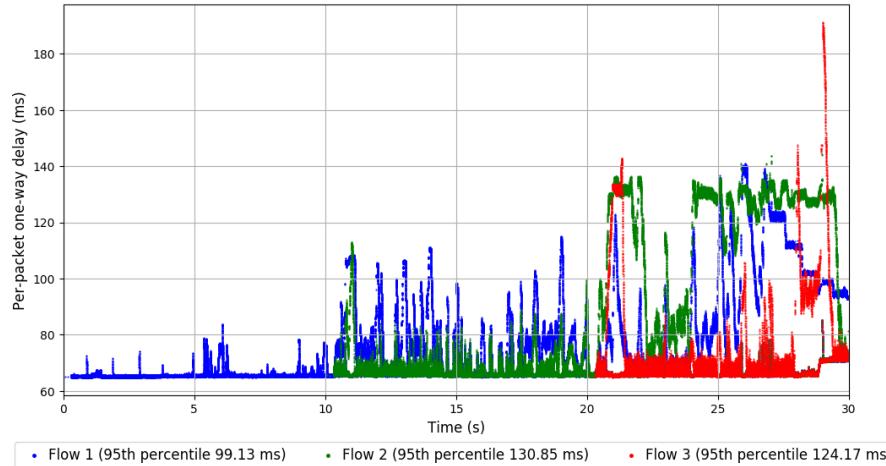
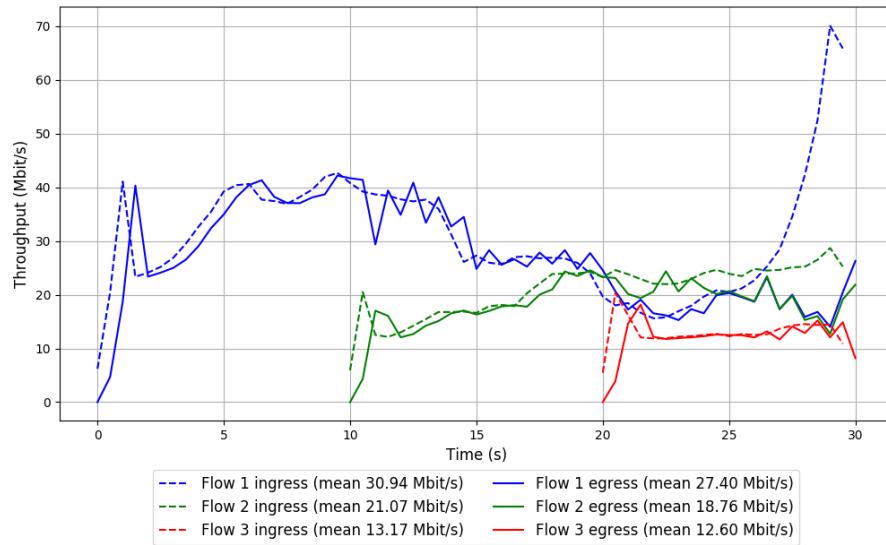


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-06-18 16:25:24
End at: 2018-06-18 16:25:54
Local clock offset: -4.273 ms
Remote clock offset: -1.508 ms

# Below is generated by plot.py at 2018-06-19 00:09:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.02 Mbit/s
95th percentile per-packet one-way delay: 122.936 ms
Loss rate: 10.66%
-- Flow 1:
Average throughput: 27.40 Mbit/s
95th percentile per-packet one-way delay: 99.128 ms
Loss rate: 11.44%
-- Flow 2:
Average throughput: 18.76 Mbit/s
95th percentile per-packet one-way delay: 130.853 ms
Loss rate: 10.91%
-- Flow 3:
Average throughput: 12.60 Mbit/s
95th percentile per-packet one-way delay: 124.172 ms
Loss rate: 4.31%
```

Run 1: Report of PCC-Expr — Data Link

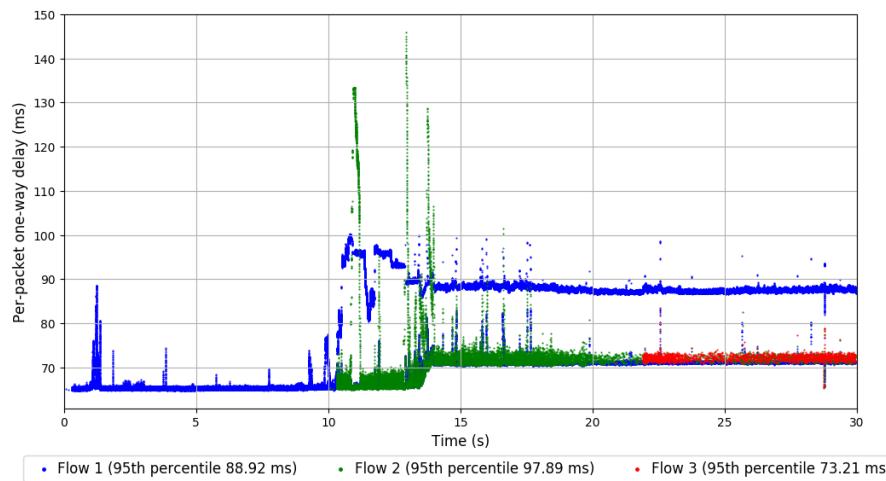
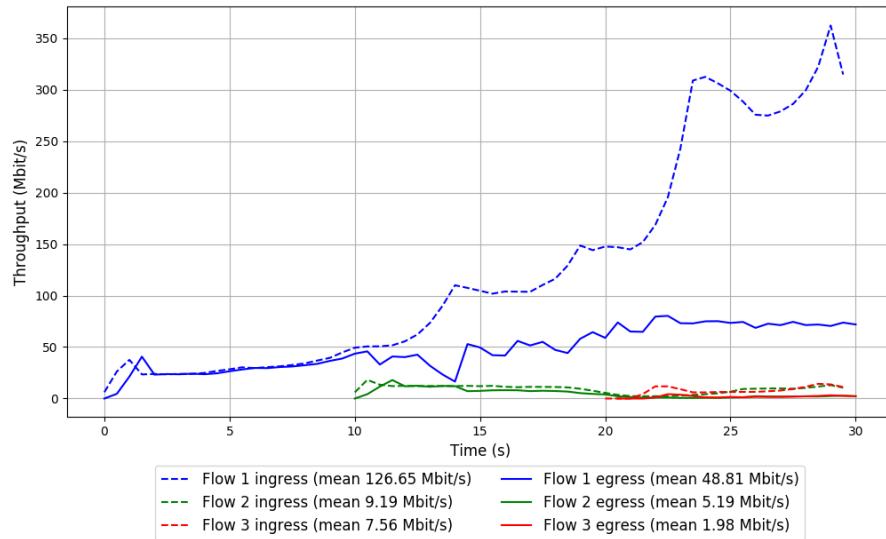


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-18 17:09:25
End at: 2018-06-18 17:09:55
Local clock offset: -4.739 ms
Remote clock offset: -0.298 ms

# Below is generated by plot.py at 2018-06-19 00:10:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.86 Mbit/s
95th percentile per-packet one-way delay: 88.928 ms
Loss rate: 60.89%
-- Flow 1:
Average throughput: 48.81 Mbit/s
95th percentile per-packet one-way delay: 88.918 ms
Loss rate: 61.44%
-- Flow 2:
Average throughput: 5.19 Mbit/s
95th percentile per-packet one-way delay: 97.885 ms
Loss rate: 43.50%
-- Flow 3:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 73.210 ms
Loss rate: 75.89%
```

Run 2: Report of PCC-Expr — Data Link

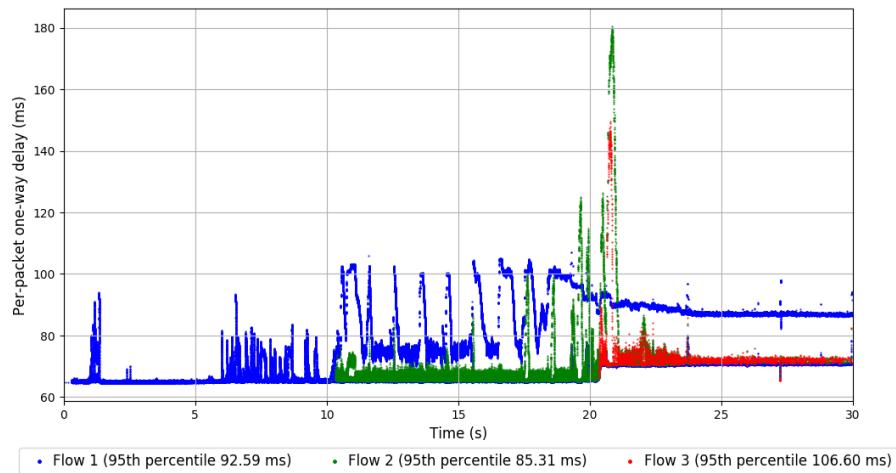
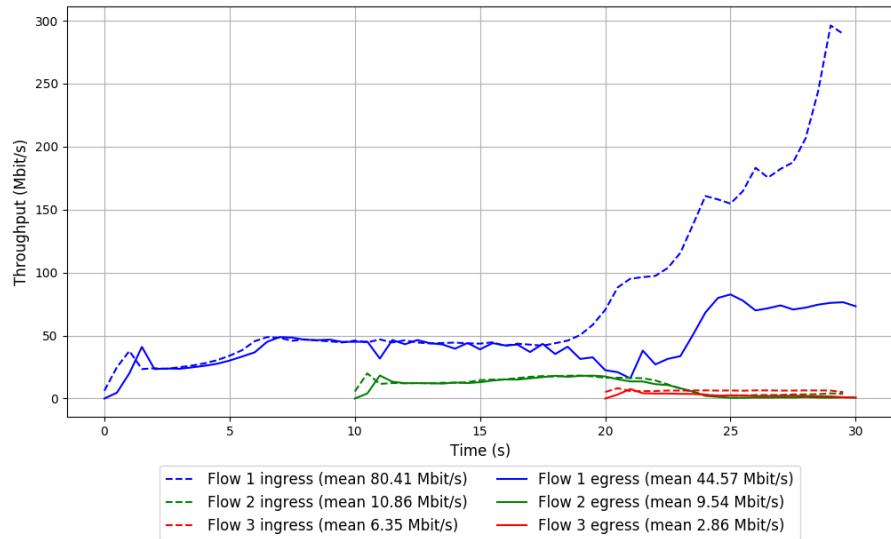


Run 3: Statistics of PCC-Expr

```
Start at: 2018-06-18 17:55:18
End at: 2018-06-18 17:55:48
Local clock offset: -3.239 ms
Remote clock offset: -0.754 ms

# Below is generated by plot.py at 2018-06-19 00:10:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.85 Mbit/s
95th percentile per-packet one-way delay: 92.270 ms
Loss rate: 42.16%
-- Flow 1:
Average throughput: 44.57 Mbit/s
95th percentile per-packet one-way delay: 92.588 ms
Loss rate: 44.52%
-- Flow 2:
Average throughput: 9.54 Mbit/s
95th percentile per-packet one-way delay: 85.315 ms
Loss rate: 12.17%
-- Flow 3:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: 106.596 ms
Loss rate: 54.98%
```

Run 3: Report of PCC-Expr — Data Link

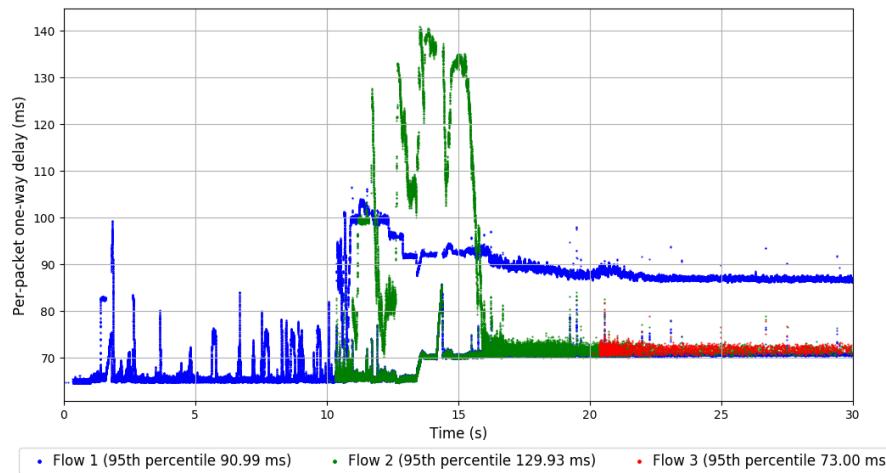
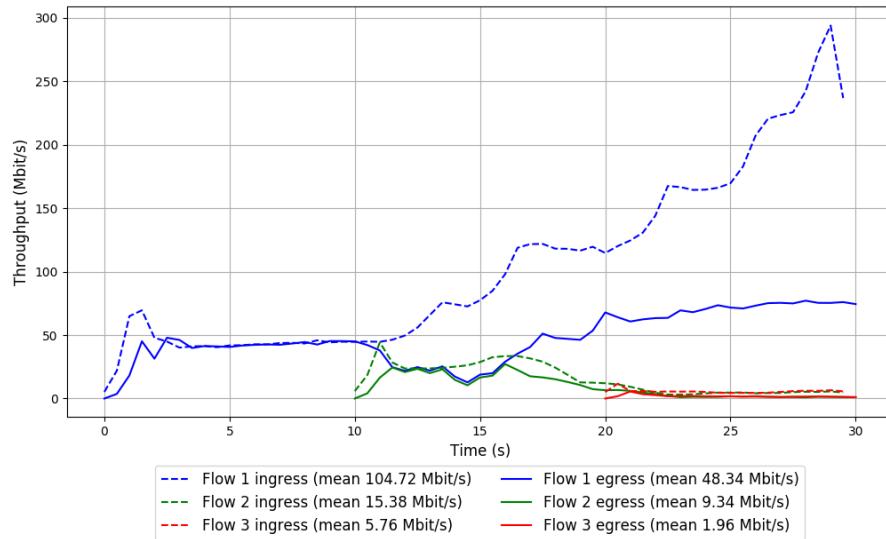


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-18 18:41:41
End at: 2018-06-18 18:42:11
Local clock offset: 8.414 ms
Remote clock offset: -1.451 ms

# Below is generated by plot.py at 2018-06-19 00:10:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.20 Mbit/s
95th percentile per-packet one-way delay: 92.724 ms
Loss rate: 52.73%
-- Flow 1:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 90.993 ms
Loss rate: 53.81%
-- Flow 2:
Average throughput: 9.34 Mbit/s
95th percentile per-packet one-way delay: 129.927 ms
Loss rate: 39.22%
-- Flow 3:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 73.002 ms
Loss rate: 66.00%
```

Run 4: Report of PCC-Expr — Data Link

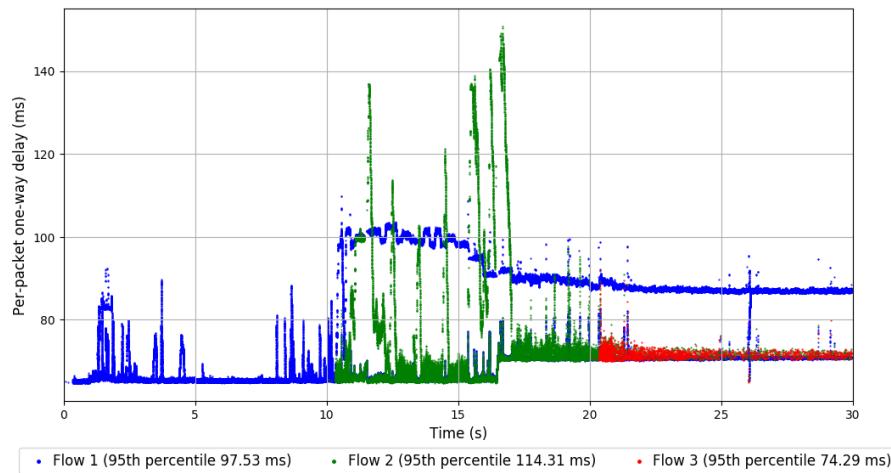
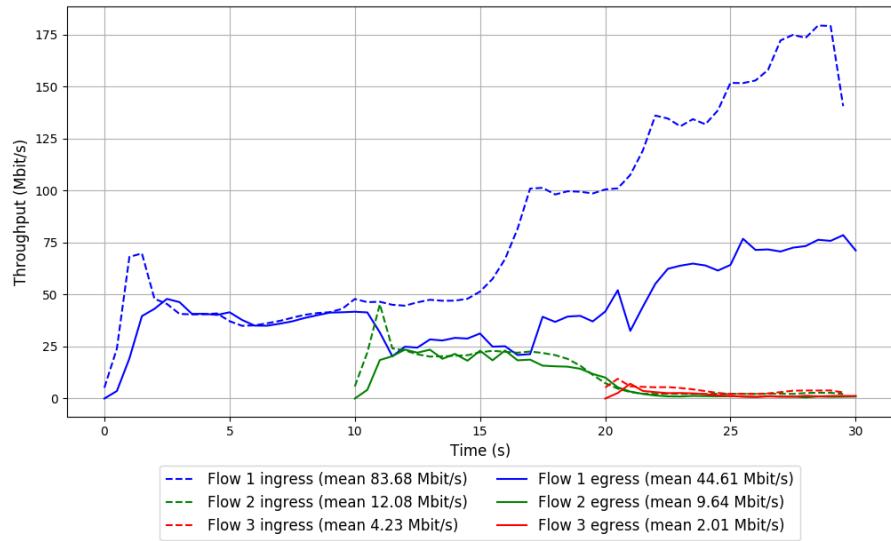


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-18 19:28:39
End at: 2018-06-18 19:29:09
Local clock offset: -5.57 ms
Remote clock offset: -2.233 ms

# Below is generated by plot.py at 2018-06-19 00:10:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.69 Mbit/s
95th percentile per-packet one-way delay: 98.291 ms
Loss rate: 44.48%
-- Flow 1:
Average throughput: 44.61 Mbit/s
95th percentile per-packet one-way delay: 97.530 ms
Loss rate: 46.68%
-- Flow 2:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 114.315 ms
Loss rate: 20.15%
-- Flow 3:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 74.287 ms
Loss rate: 52.47%
```

Run 5: Report of PCC-Expr — Data Link

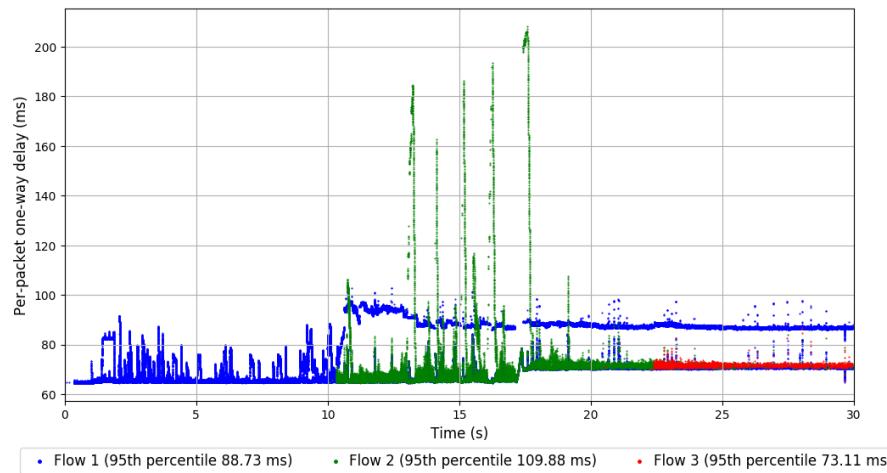
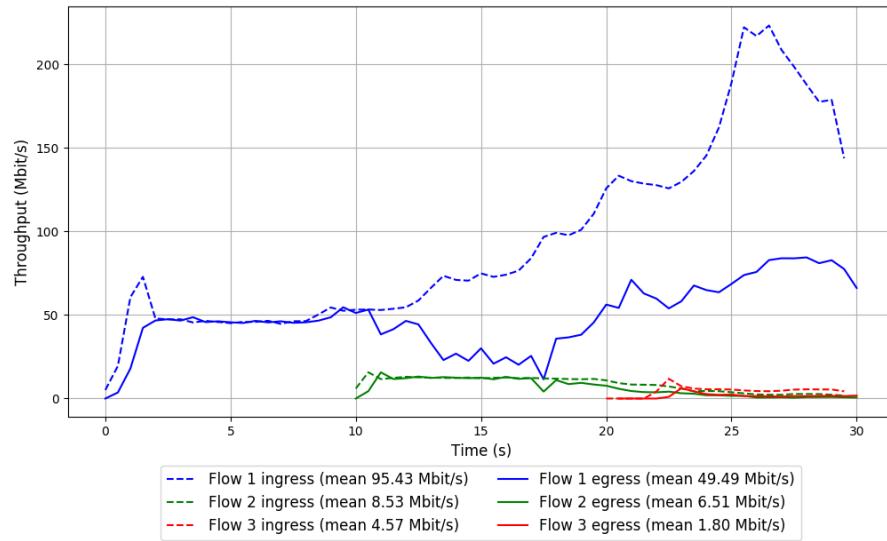


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-18 20:14:53
End at: 2018-06-18 20:15:23
Local clock offset: 4.993 ms
Remote clock offset: -0.525 ms

# Below is generated by plot.py at 2018-06-19 00:10:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.39 Mbit/s
95th percentile per-packet one-way delay: 88.834 ms
Loss rate: 46.98%
-- Flow 1:
Average throughput: 49.49 Mbit/s
95th percentile per-packet one-way delay: 88.733 ms
Loss rate: 48.12%
-- Flow 2:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 109.881 ms
Loss rate: 23.65%
-- Flow 3:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 73.107 ms
Loss rate: 62.72%
```

Run 6: Report of PCC-Expr — Data Link

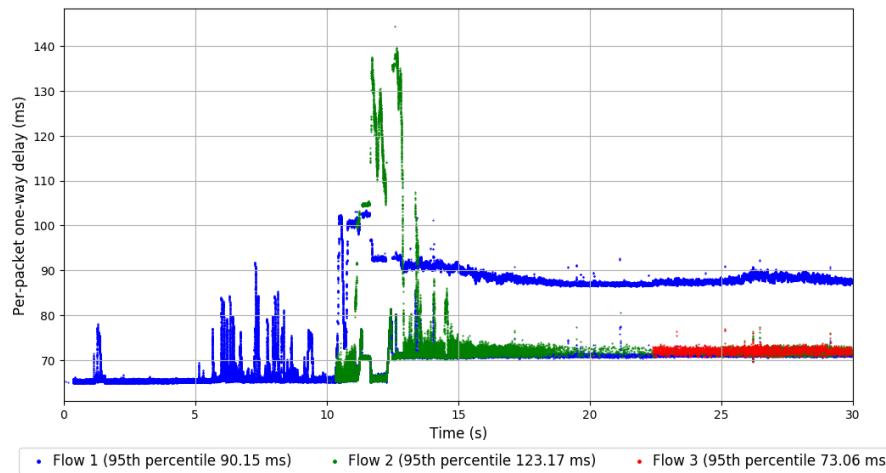
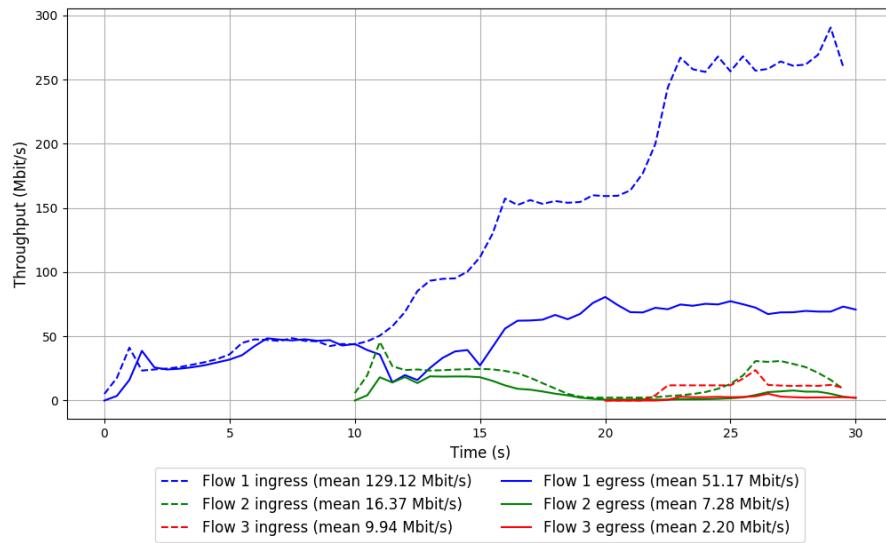


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-18 21:02:00
End at: 2018-06-18 21:02:30
Local clock offset: 8.77 ms
Remote clock offset: -0.324 ms

# Below is generated by plot.py at 2018-06-19 00:11:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.74 Mbit/s
95th percentile per-packet one-way delay: 90.491 ms
Loss rate: 60.39%
-- Flow 1:
Average throughput: 51.17 Mbit/s
95th percentile per-packet one-way delay: 90.146 ms
Loss rate: 60.36%
-- Flow 2:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 123.171 ms
Loss rate: 55.50%
-- Flow 3:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 73.062 ms
Loss rate: 77.90%
```

Run 7: Report of PCC-Expr — Data Link

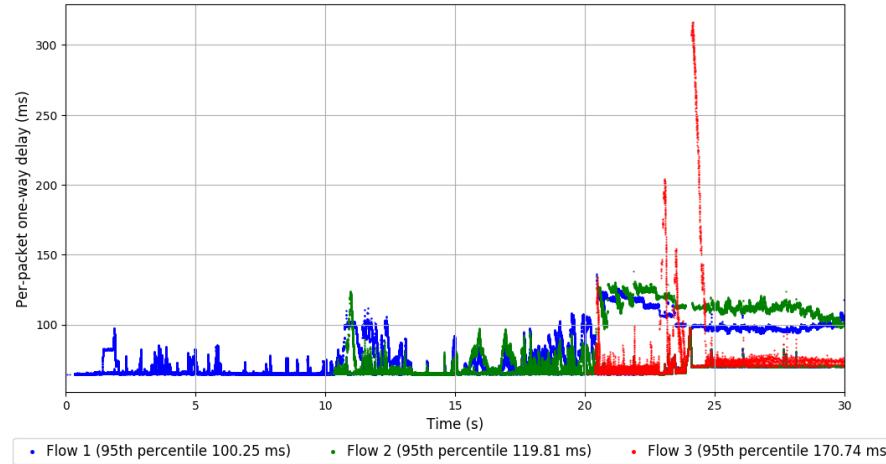
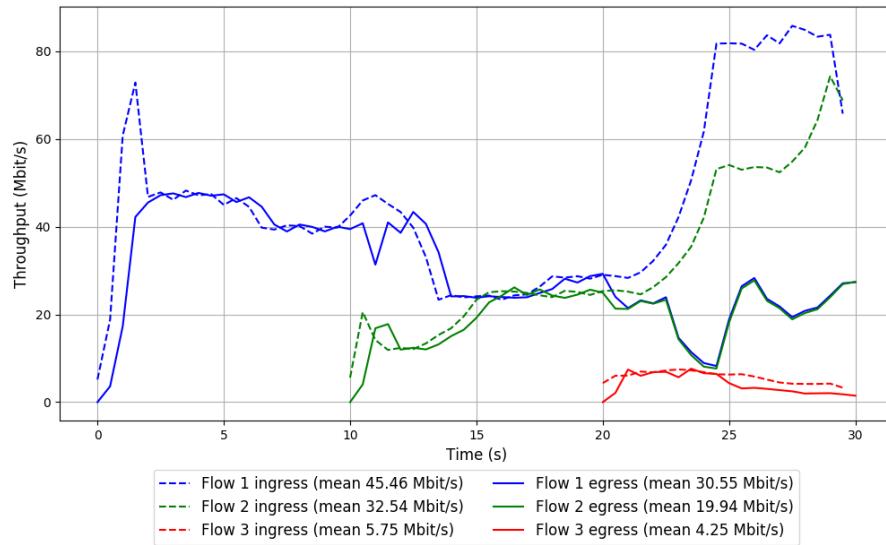


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-18 21:49:14
End at: 2018-06-18 21:49:44
Local clock offset: -2.071 ms
Remote clock offset: -1.643 ms

# Below is generated by plot.py at 2018-06-19 00:11:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.21 Mbit/s
95th percentile per-packet one-way delay: 113.169 ms
Loss rate: 34.44%
-- Flow 1:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 100.255 ms
Loss rate: 32.76%
-- Flow 2:
Average throughput: 19.94 Mbit/s
95th percentile per-packet one-way delay: 119.812 ms
Loss rate: 38.71%
-- Flow 3:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 170.744 ms
Loss rate: 26.08%
```

Run 8: Report of PCC-Expr — Data Link

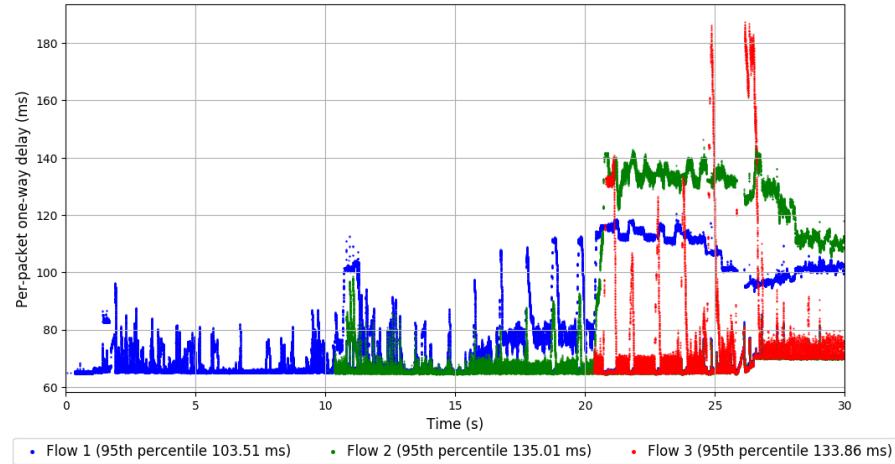
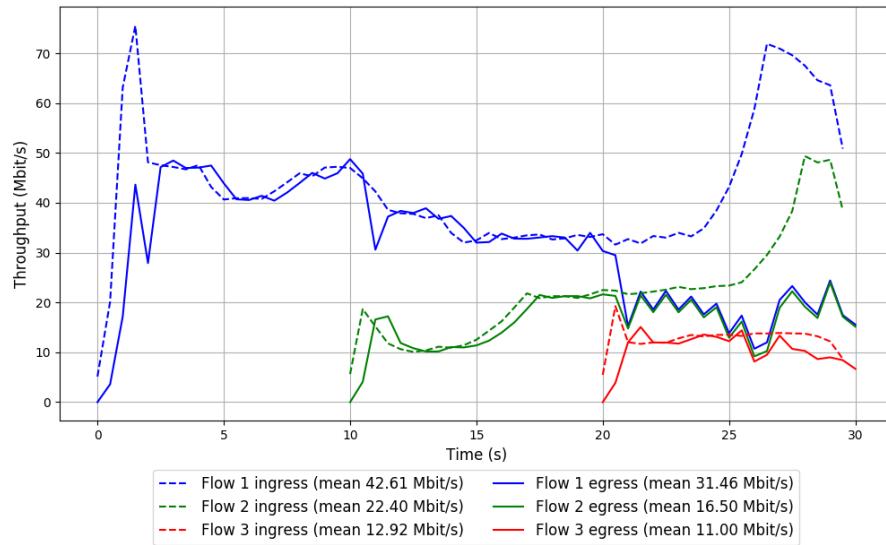


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-18 22:36:05
End at: 2018-06-18 22:36:35
Local clock offset: 6.775 ms
Remote clock offset: -0.486 ms

# Below is generated by plot.py at 2018-06-19 00:11:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.06 Mbit/s
95th percentile per-packet one-way delay: 116.907 ms
Loss rate: 25.40%
-- Flow 1:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 103.513 ms
Loss rate: 26.14%
-- Flow 2:
Average throughput: 16.50 Mbit/s
95th percentile per-packet one-way delay: 135.013 ms
Loss rate: 26.28%
-- Flow 3:
Average throughput: 11.00 Mbit/s
95th percentile per-packet one-way delay: 133.863 ms
Loss rate: 14.88%
```

Run 9: Report of PCC-Expr — Data Link

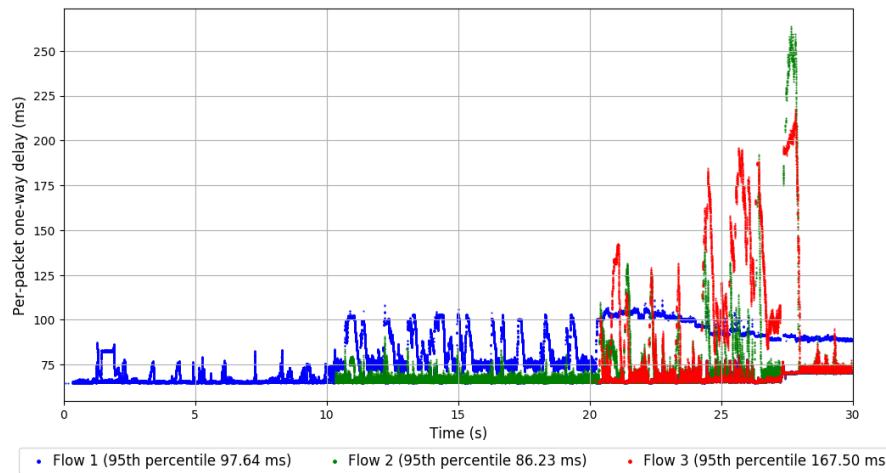
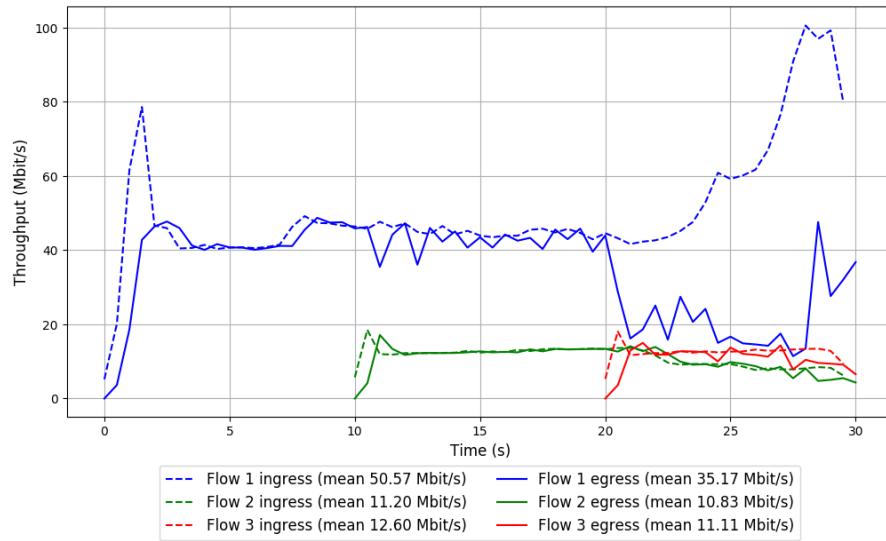


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-18 23:21:47
End at: 2018-06-18 23:22:17
Local clock offset: 8.101 ms
Remote clock offset: -1.295 ms

# Below is generated by plot.py at 2018-06-19 00:11:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.03 Mbit/s
95th percentile per-packet one-way delay: 99.846 ms
Loss rate: 25.94%
-- Flow 1:
Average throughput: 35.17 Mbit/s
95th percentile per-packet one-way delay: 97.642 ms
Loss rate: 30.44%
-- Flow 2:
Average throughput: 10.83 Mbit/s
95th percentile per-packet one-way delay: 86.233 ms
Loss rate: 3.31%
-- Flow 3:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 167.502 ms
Loss rate: 11.79%
```

Run 10: Report of PCC-Expr — Data Link

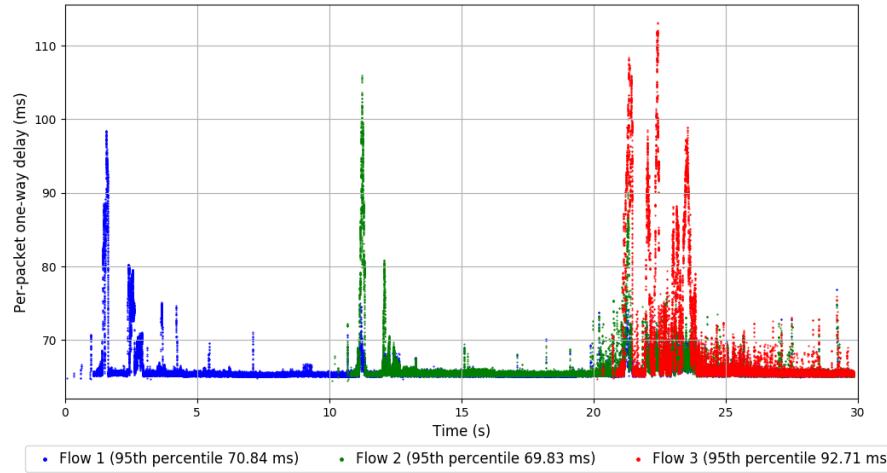
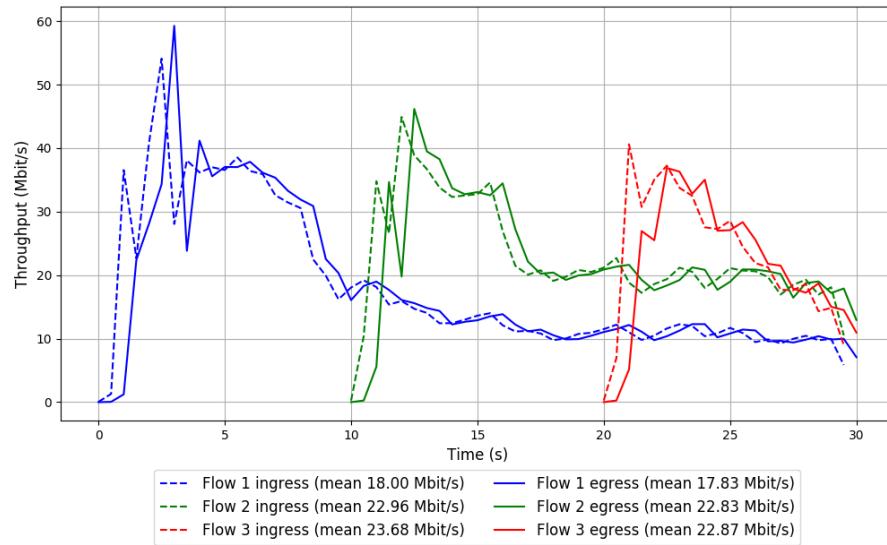


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-06-18 16:51:13
End at: 2018-06-18 16:51:43
Local clock offset: -7.034 ms
Remote clock offset: -0.48 ms

# Below is generated by plot.py at 2018-06-19 00:11:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 76.430 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 17.83 Mbit/s
95th percentile per-packet one-way delay: 70.845 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 22.83 Mbit/s
95th percentile per-packet one-way delay: 69.832 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 22.87 Mbit/s
95th percentile per-packet one-way delay: 92.713 ms
Loss rate: 3.41%
```

Run 1: Report of QUIC Cubic — Data Link

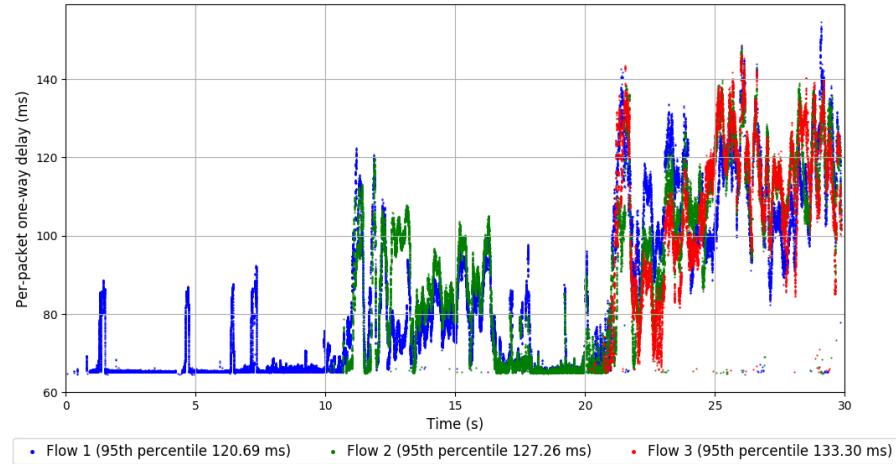
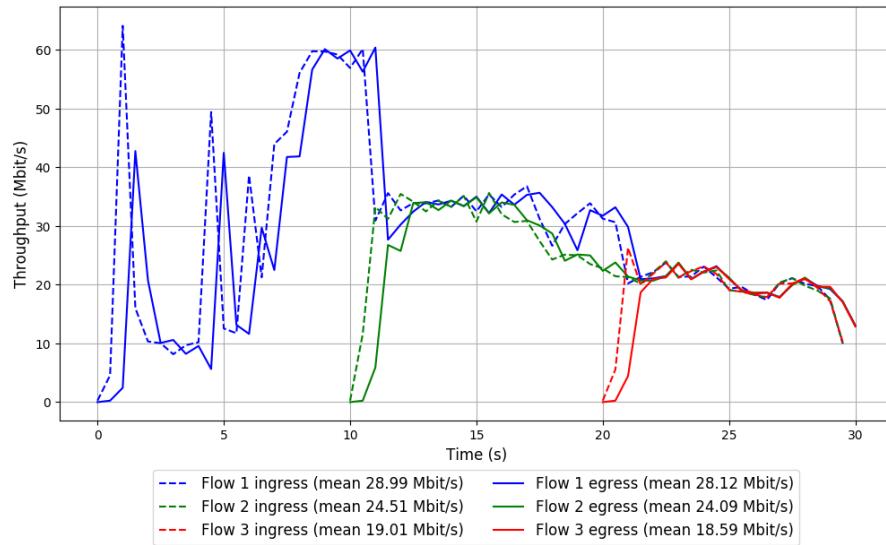


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-18 17:34:50
End at: 2018-06-18 17:35:20
Local clock offset: -2.665 ms
Remote clock offset: -0.298 ms

# Below is generated by plot.py at 2018-06-19 00:11:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.16 Mbit/s
95th percentile per-packet one-way delay: 126.710 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 28.12 Mbit/s
95th percentile per-packet one-way delay: 120.694 ms
Loss rate: 2.99%
-- Flow 2:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 127.262 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 18.59 Mbit/s
95th percentile per-packet one-way delay: 133.298 ms
Loss rate: 2.18%
```

Run 2: Report of QUIC Cubic — Data Link

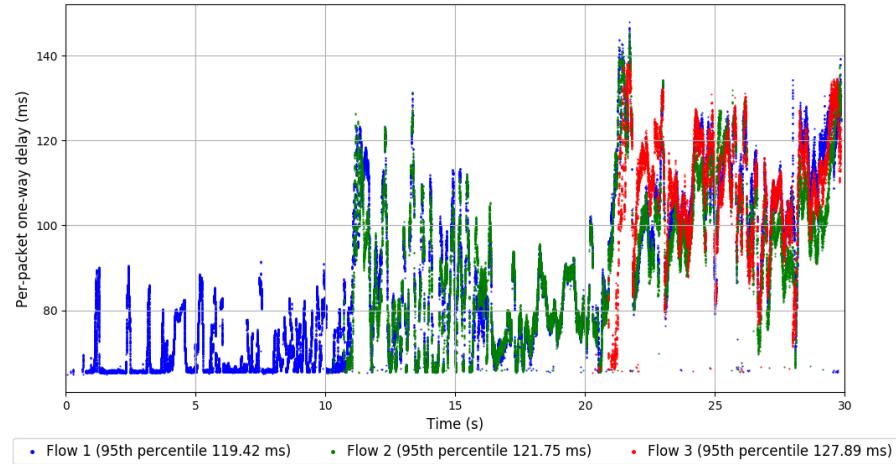
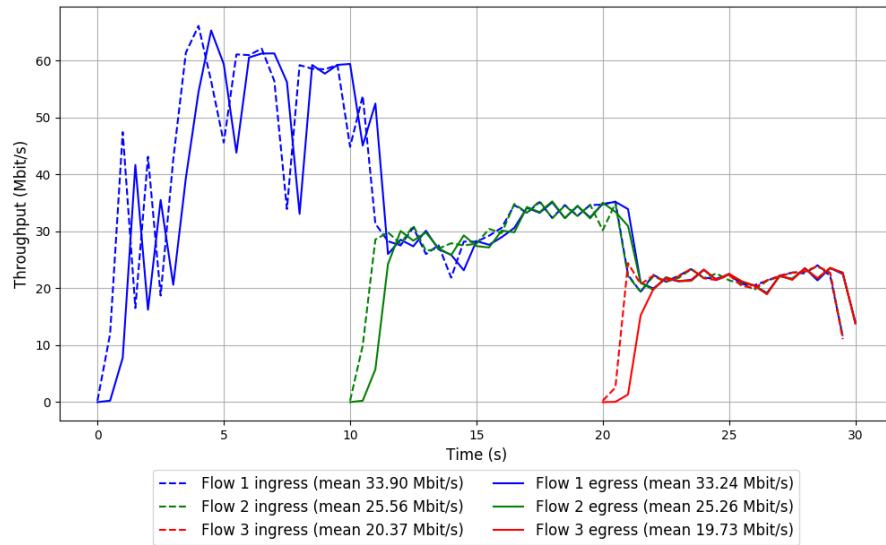


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-18 18:21:07
End at: 2018-06-18 18:21:37
Local clock offset: 8.955 ms
Remote clock offset: -1.091 ms

# Below is generated by plot.py at 2018-06-19 00:11:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.33 Mbit/s
95th percentile per-packet one-way delay: 121.829 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 33.24 Mbit/s
95th percentile per-packet one-way delay: 119.425 ms
Loss rate: 1.94%
-- Flow 2:
Average throughput: 25.26 Mbit/s
95th percentile per-packet one-way delay: 121.750 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 19.73 Mbit/s
95th percentile per-packet one-way delay: 127.893 ms
Loss rate: 3.06%
```

Run 3: Report of QUIC Cubic — Data Link

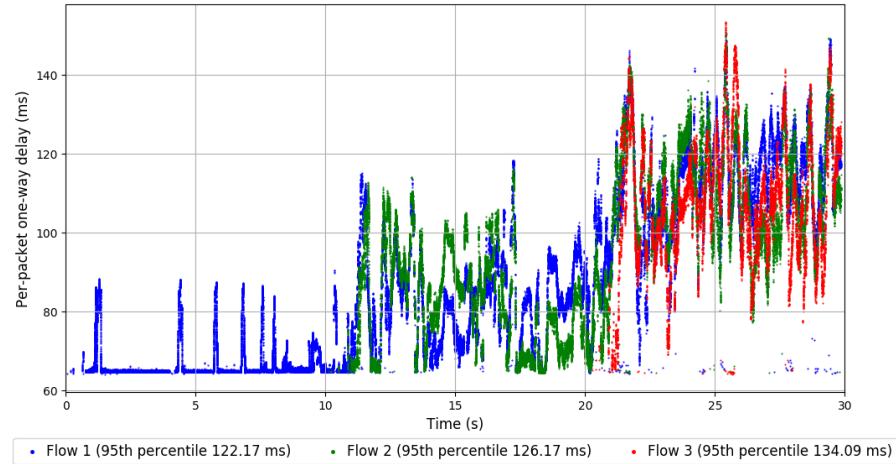
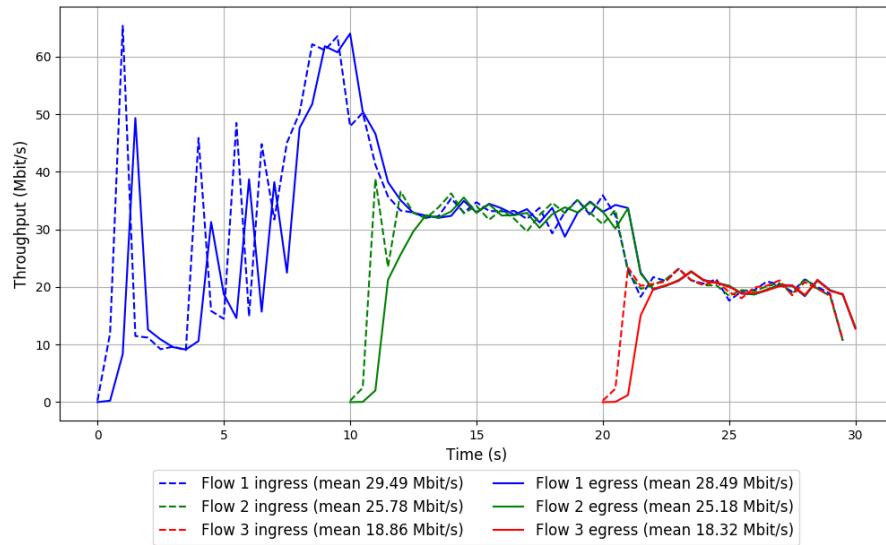


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-18 19:07:51
End at: 2018-06-18 19:08:21
Local clock offset: 1.958 ms
Remote clock offset: -2.424 ms

# Below is generated by plot.py at 2018-06-19 00:11:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.06 Mbit/s
95th percentile per-packet one-way delay: 125.389 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 28.49 Mbit/s
95th percentile per-packet one-way delay: 122.173 ms
Loss rate: 3.37%
-- Flow 2:
Average throughput: 25.18 Mbit/s
95th percentile per-packet one-way delay: 126.169 ms
Loss rate: 2.31%
-- Flow 3:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 134.093 ms
Loss rate: 2.77%
```

Run 4: Report of QUIC Cubic — Data Link

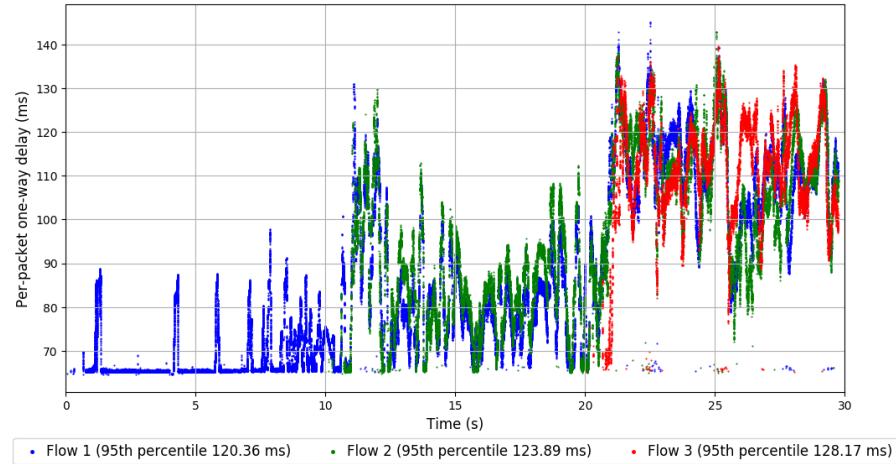
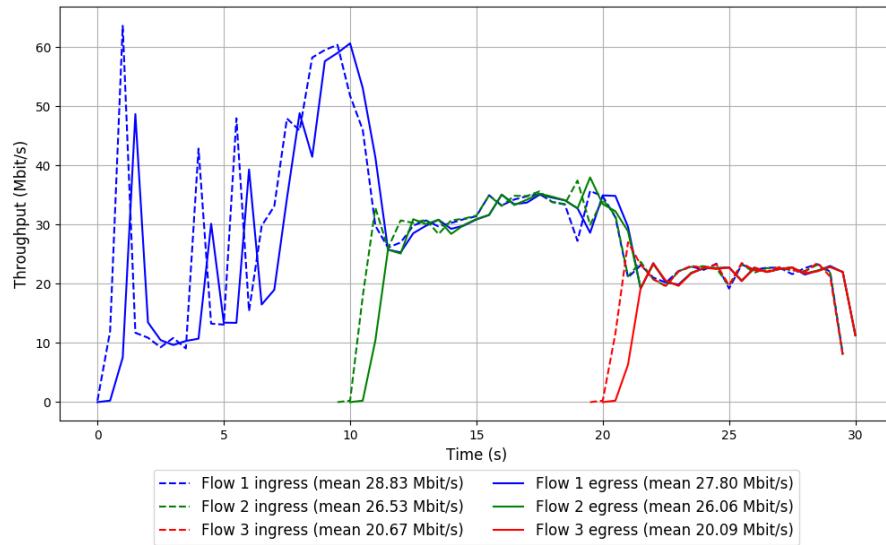


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-18 19:54:18
End at: 2018-06-18 19:54:48
Local clock offset: 2.895 ms
Remote clock offset: -1.758 ms

# Below is generated by plot.py at 2018-06-19 00:11:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.70 Mbit/s
95th percentile per-packet one-way delay: 123.831 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 27.80 Mbit/s
95th percentile per-packet one-way delay: 120.355 ms
Loss rate: 3.53%
-- Flow 2:
Average throughput: 26.06 Mbit/s
95th percentile per-packet one-way delay: 123.895 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 128.166 ms
Loss rate: 2.82%
```

Run 5: Report of QUIC Cubic — Data Link

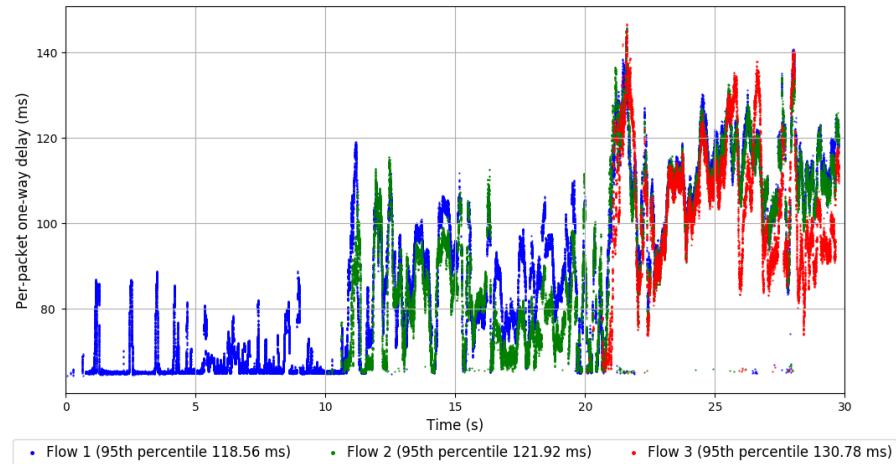
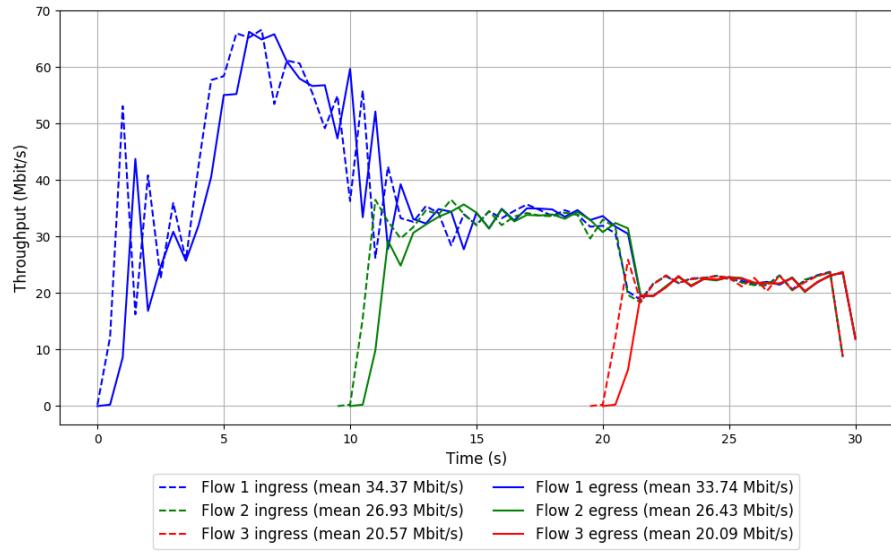


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-18 20:40:59
End at: 2018-06-18 20:41:29
Local clock offset: 7.218 ms
Remote clock offset: -0.516 ms

# Below is generated by plot.py at 2018-06-19 00:12:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.89 Mbit/s
95th percentile per-packet one-way delay: 121.443 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 33.74 Mbit/s
95th percentile per-packet one-way delay: 118.563 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 26.43 Mbit/s
95th percentile per-packet one-way delay: 121.923 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 130.779 ms
Loss rate: 2.30%
```

Run 6: Report of QUIC Cubic — Data Link

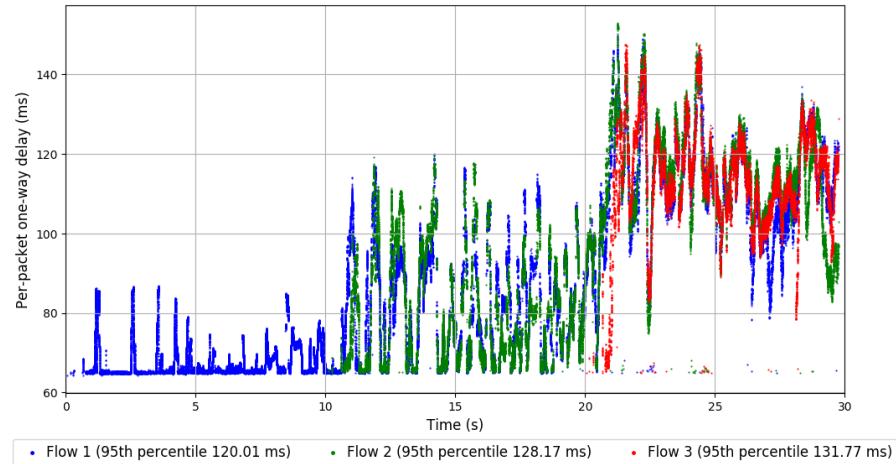
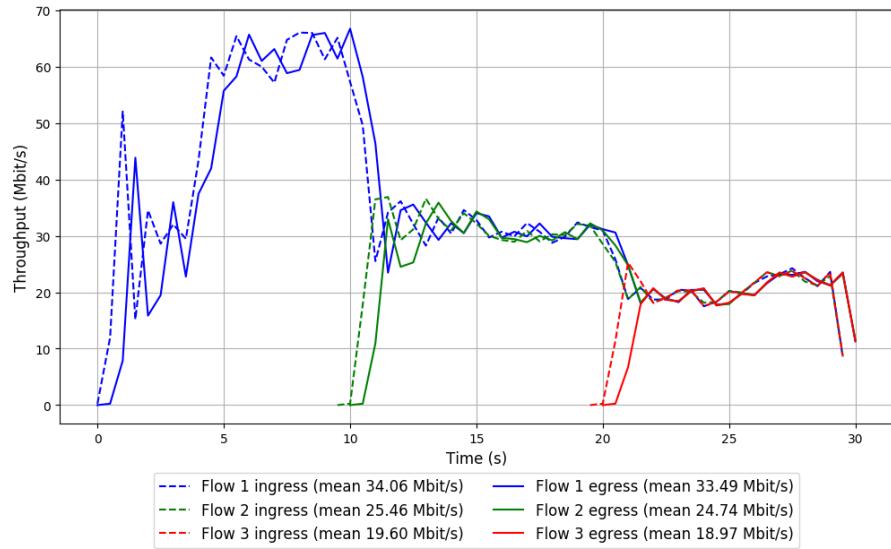


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-18 21:28:19
End at: 2018-06-18 21:28:49
Local clock offset: 8.682 ms
Remote clock offset: -1.626 ms

# Below is generated by plot.py at 2018-06-19 00:12:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.14 Mbit/s
95th percentile per-packet one-way delay: 125.907 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 33.49 Mbit/s
95th percentile per-packet one-way delay: 120.011 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 128.168 ms
Loss rate: 2.79%
-- Flow 3:
Average throughput: 18.97 Mbit/s
95th percentile per-packet one-way delay: 131.773 ms
Loss rate: 3.13%
```

Run 7: Report of QUIC Cubic — Data Link

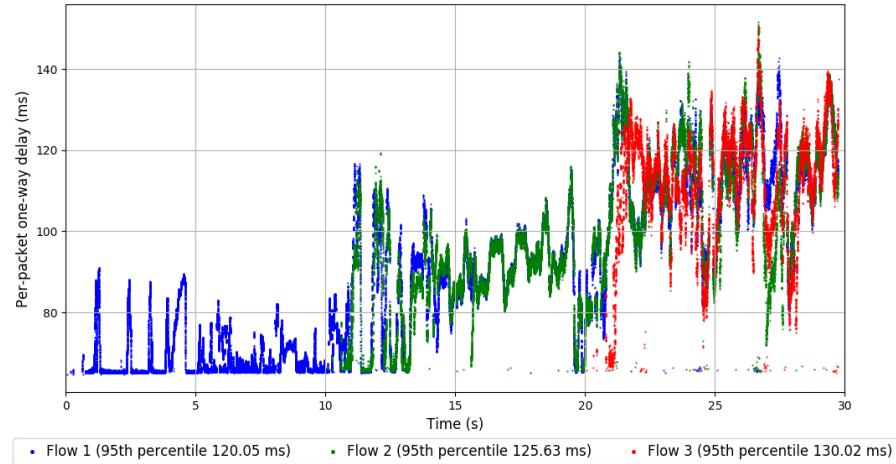
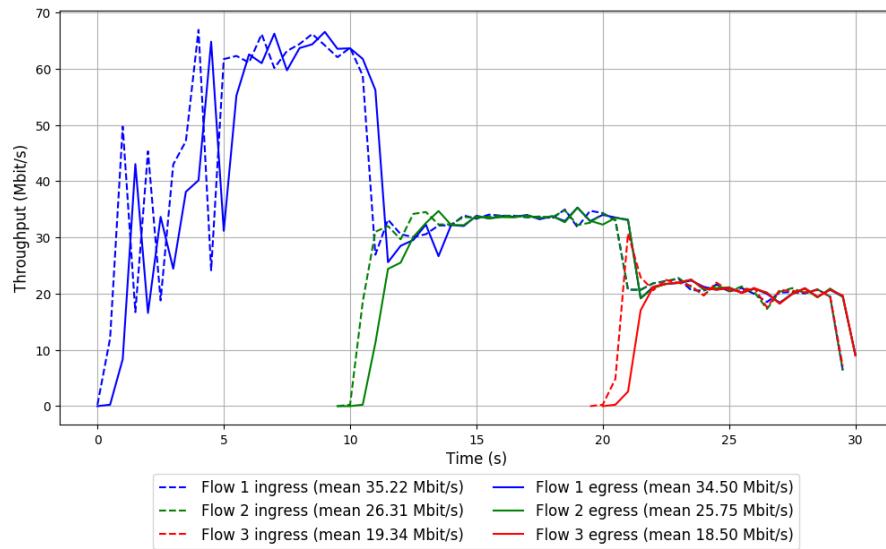


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-18 22:15:11
End at: 2018-06-18 22:15:41
Local clock offset: 5.541 ms
Remote clock offset: -1.554 ms

# Below is generated by plot.py at 2018-06-19 00:12:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.68 Mbit/s
95th percentile per-packet one-way delay: 124.412 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 34.50 Mbit/s
95th percentile per-packet one-way delay: 120.047 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 25.75 Mbit/s
95th percentile per-packet one-way delay: 125.628 ms
Loss rate: 2.14%
-- Flow 3:
Average throughput: 18.50 Mbit/s
95th percentile per-packet one-way delay: 130.023 ms
Loss rate: 4.23%
```

Run 8: Report of QUIC Cubic — Data Link

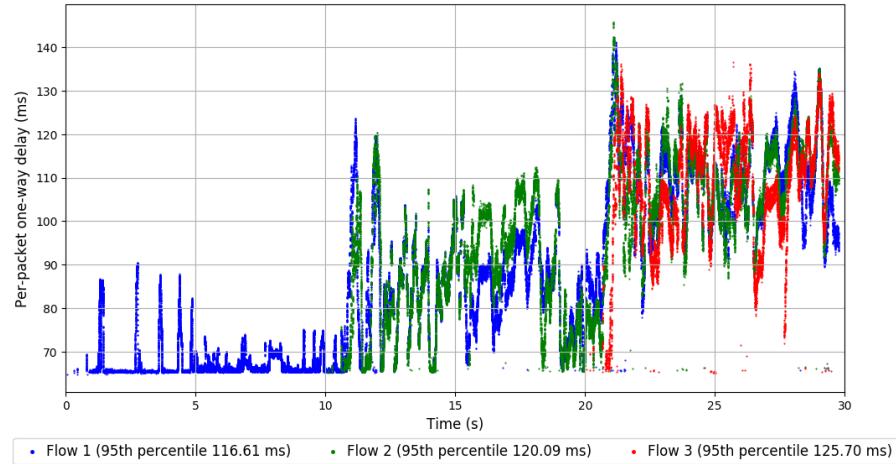
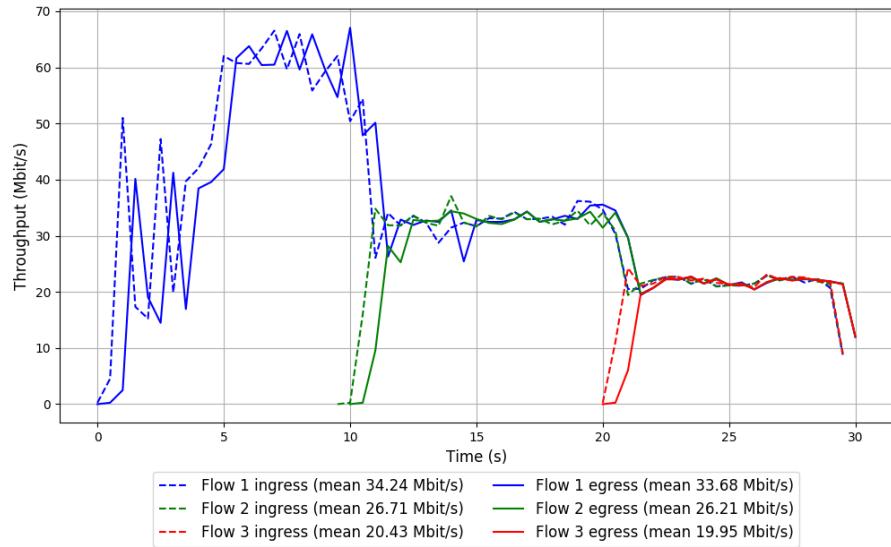


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-18 23:02:46
End at: 2018-06-18 23:03:16
Local clock offset: 4.554 ms
Remote clock offset: -1.149 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.62 Mbit/s
95th percentile per-packet one-way delay: 120.815 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 116.610 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 26.21 Mbit/s
95th percentile per-packet one-way delay: 120.090 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 19.95 Mbit/s
95th percentile per-packet one-way delay: 125.696 ms
Loss rate: 2.37%
```

Run 9: Report of QUIC Cubic — Data Link

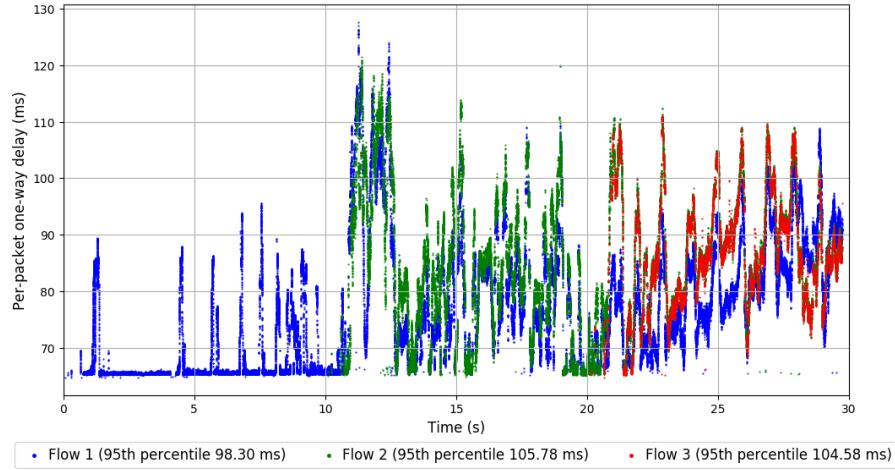
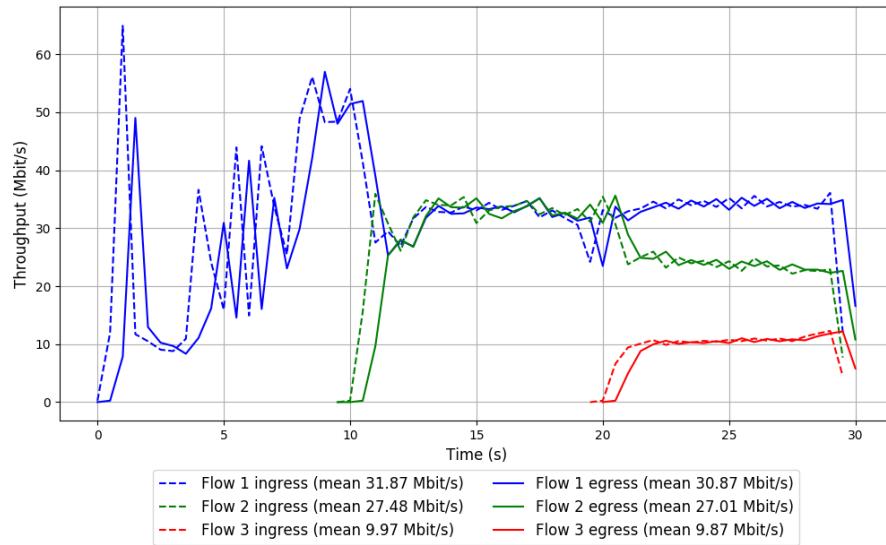


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-06-18 23:48:33
End at: 2018-06-18 23:49:03
Local clock offset: 4.805 ms
Remote clock offset: -0.727 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.05 Mbit/s
95th percentile per-packet one-way delay: 102.880 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 30.87 Mbit/s
95th percentile per-packet one-way delay: 98.295 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 27.01 Mbit/s
95th percentile per-packet one-way delay: 105.775 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 9.87 Mbit/s
95th percentile per-packet one-way delay: 104.577 ms
Loss rate: 0.86%
```

Run 10: Report of QUIC Cubic — Data Link

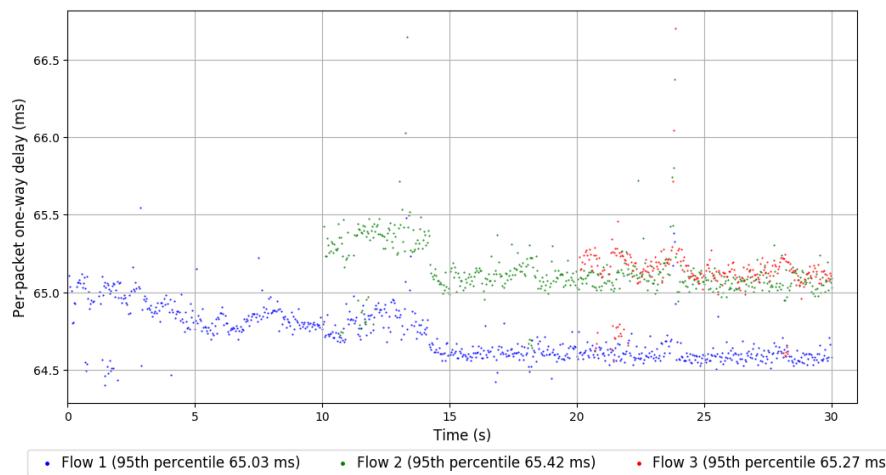
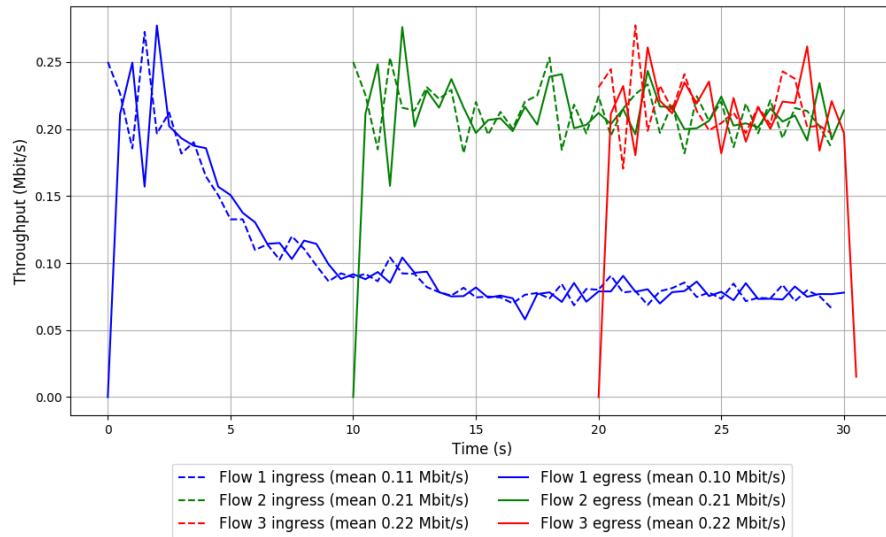


```
Run 1: Statistics of SCReAM

Start at: 2018-06-18 16:46:03
End at: 2018-06-18 16:46:33
Local clock offset: -6.566 ms
Remote clock offset: -0.696 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 65.337 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 65.027 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.424 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.273 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

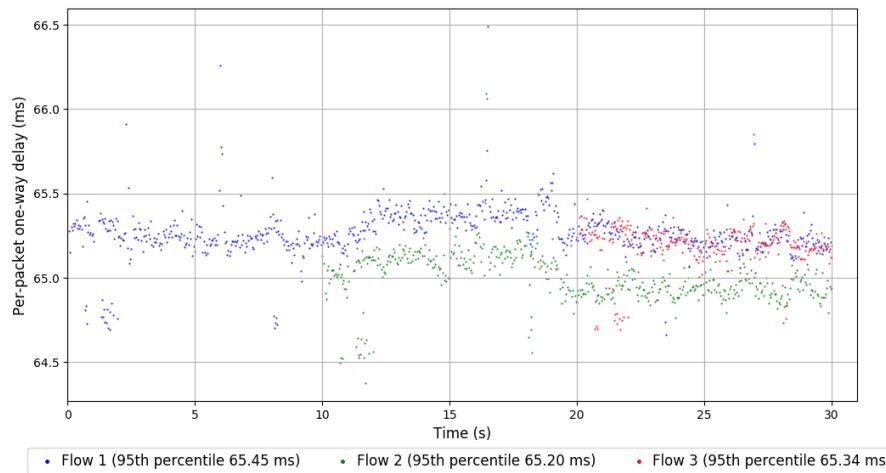
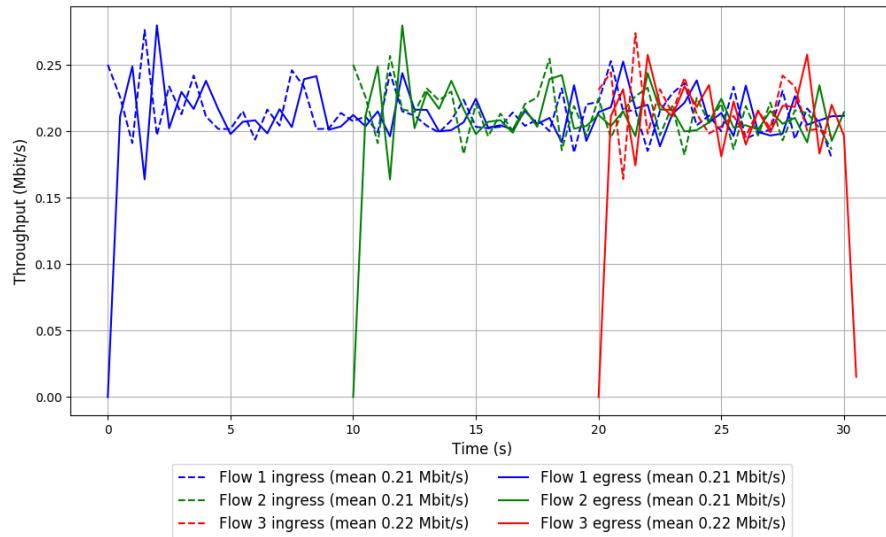


Run 2: Statistics of SCReAM

```
Start at: 2018-06-18 17:29:59
End at: 2018-06-18 17:30:29
Local clock offset: -2.398 ms
Remote clock offset: -0.37 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 65.407 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.204 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.337 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

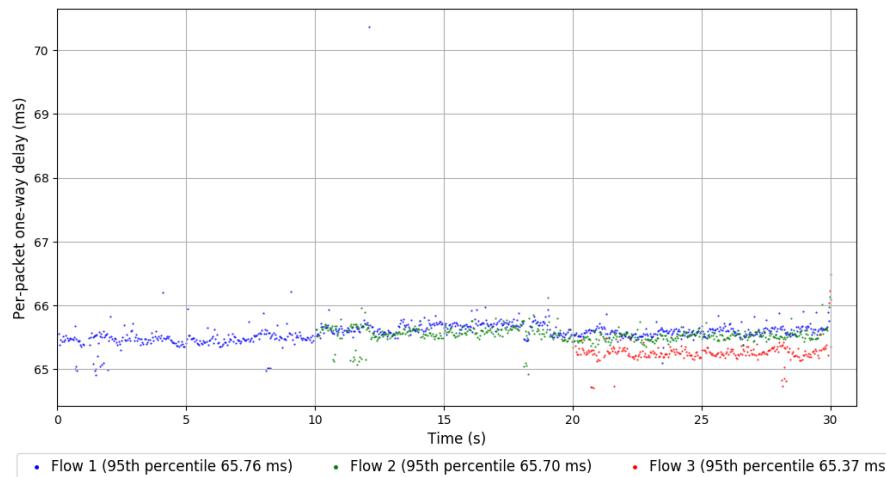
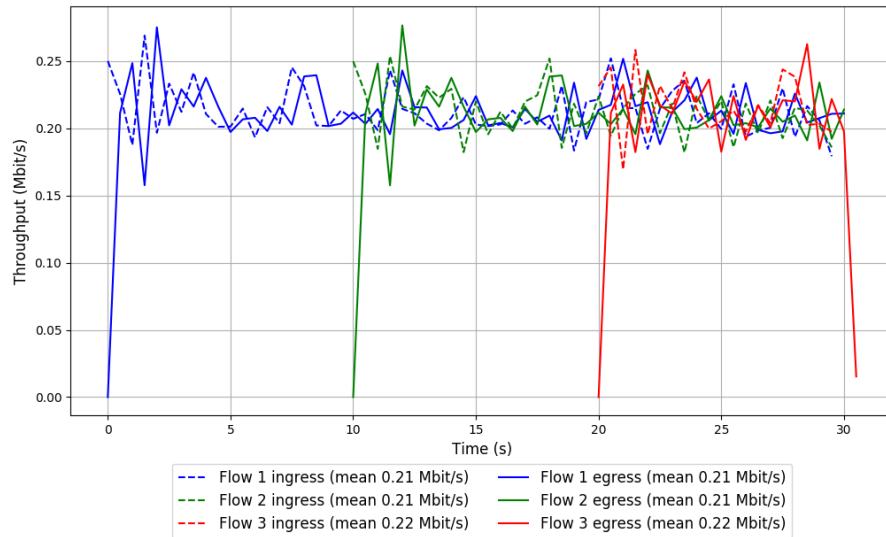


Run 3: Statistics of SCReAM

```
Start at: 2018-06-18 18:16:03
End at: 2018-06-18 18:16:33
Local clock offset: 7.408 ms
Remote clock offset: -0.973 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 65.738 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.761 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.704 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.371 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

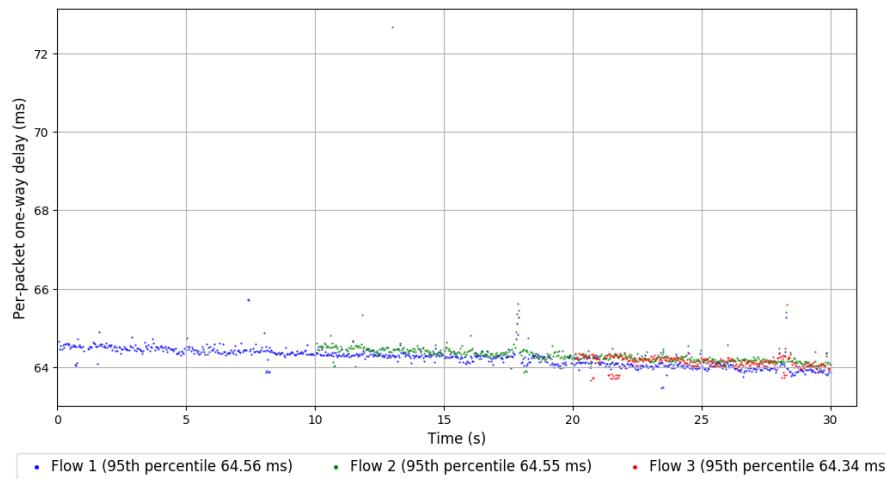
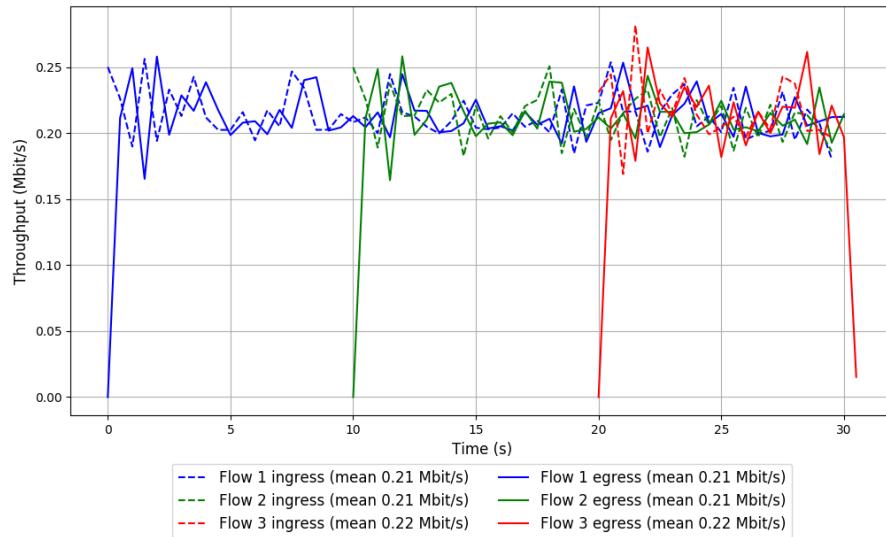


Run 4: Statistics of SCReAM

```
Start at: 2018-06-18 19:02:42
End at: 2018-06-18 19:03:12
Local clock offset: 7.107 ms
Remote clock offset: -2.266 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 64.544 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 64.565 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 64.548 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.339 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

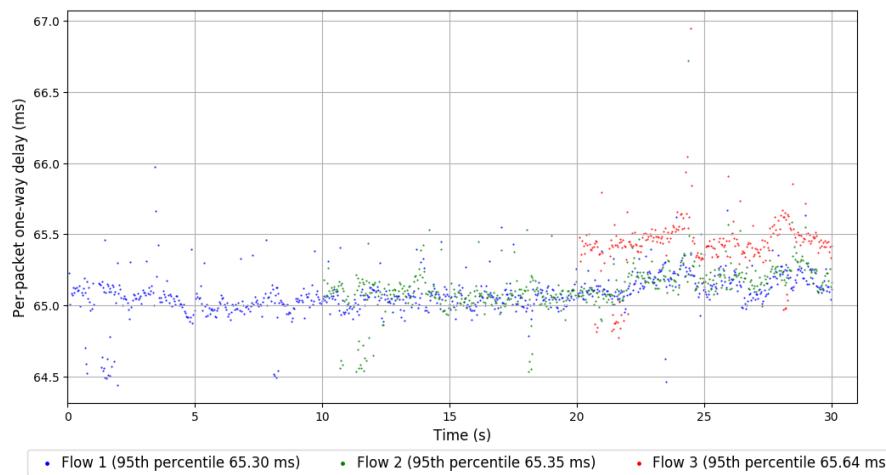
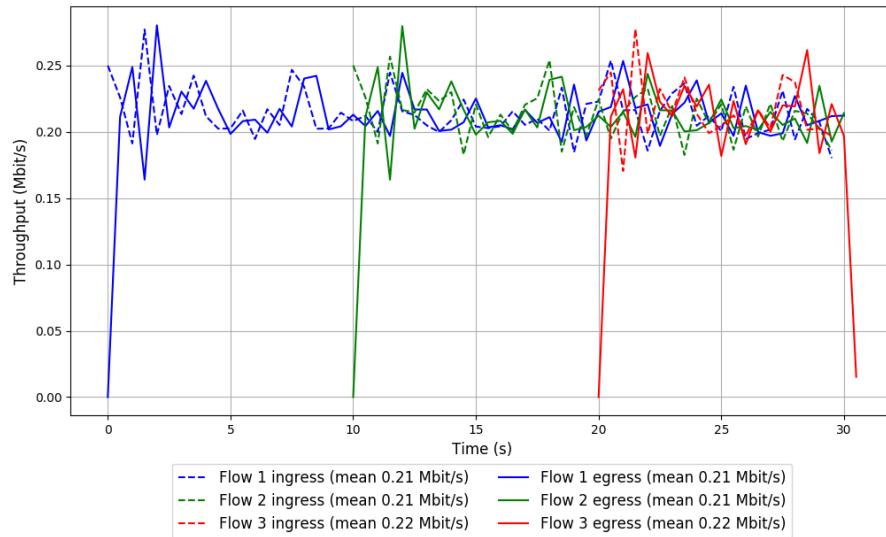


Run 5: Statistics of SCReAM

```
Start at: 2018-06-18 19:50:03
End at: 2018-06-18 19:50:33
Local clock offset: 2.455 ms
Remote clock offset: -1.774 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 65.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.297 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.347 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.645 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

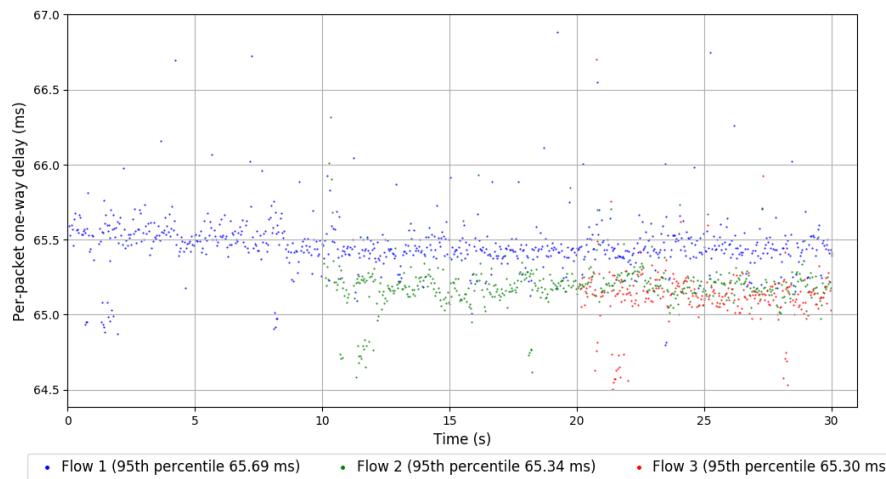
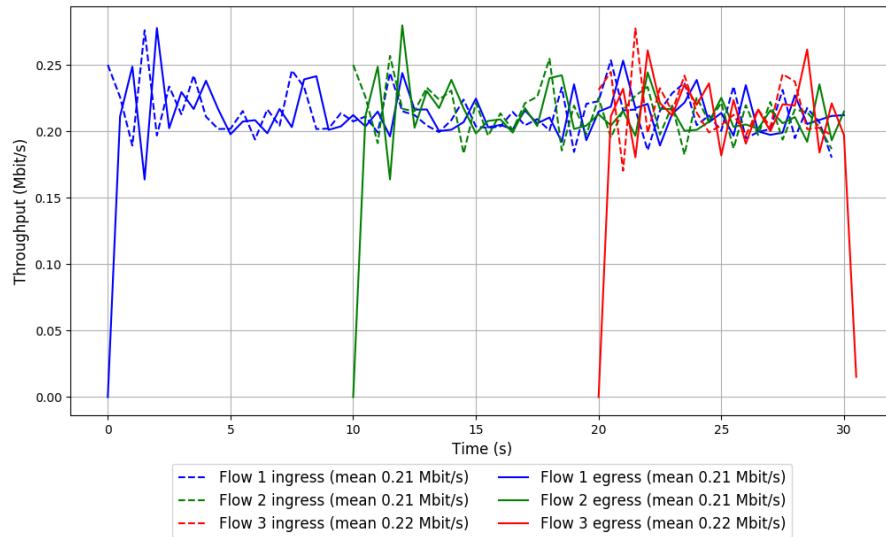


Run 6: Statistics of SCReAM

```
Start at: 2018-06-18 20:36:26
End at: 2018-06-18 20:36:56
Local clock offset: 6.586 ms
Remote clock offset: -0.393 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 65.641 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.694 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.341 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.295 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

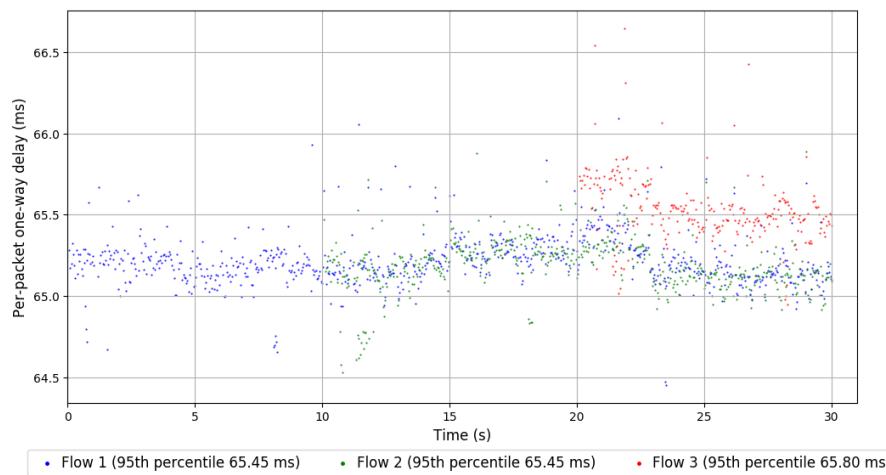
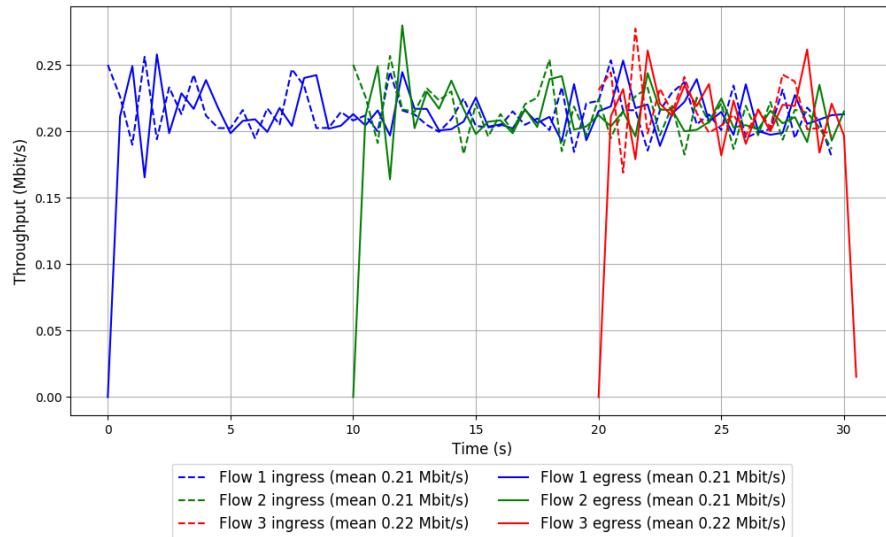


Run 7: Statistics of SCReAM

```
Start at: 2018-06-18 21:23:17
End at: 2018-06-18 21:23:47
Local clock offset: 8.274 ms
Remote clock offset: -1.548 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 65.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.449 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.453 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.801 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

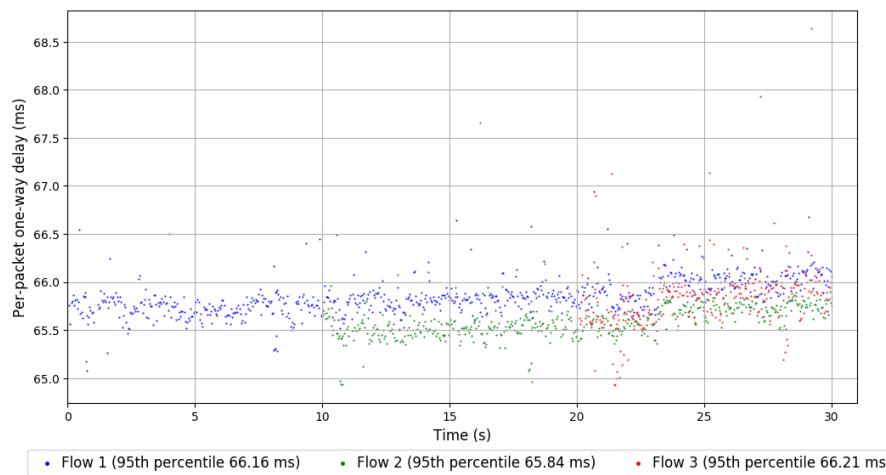
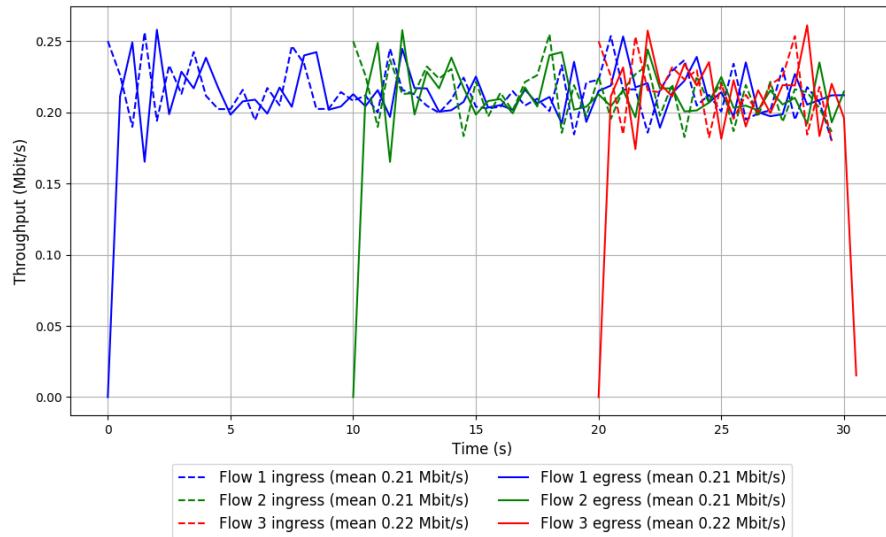


Run 8: Statistics of SCReAM

```
Start at: 2018-06-18 22:10:08
End at: 2018-06-18 22:10:38
Local clock offset: 3.271 ms
Remote clock offset: -1.681 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 66.122 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 66.155 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.838 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.206 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

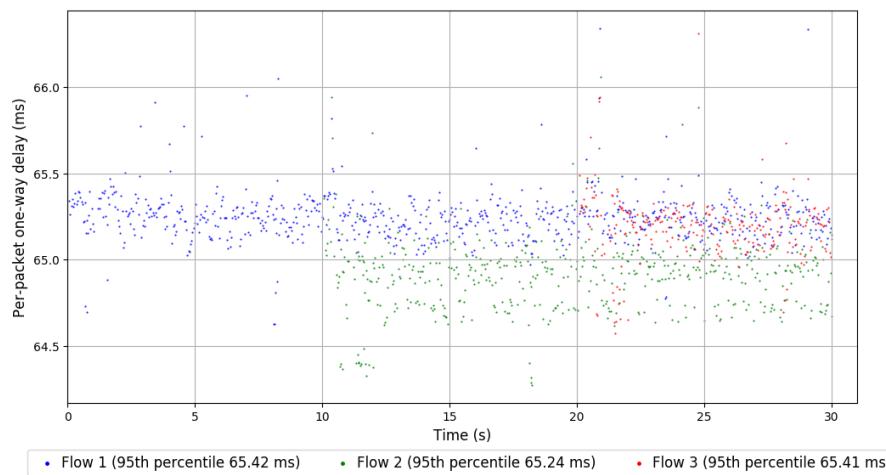
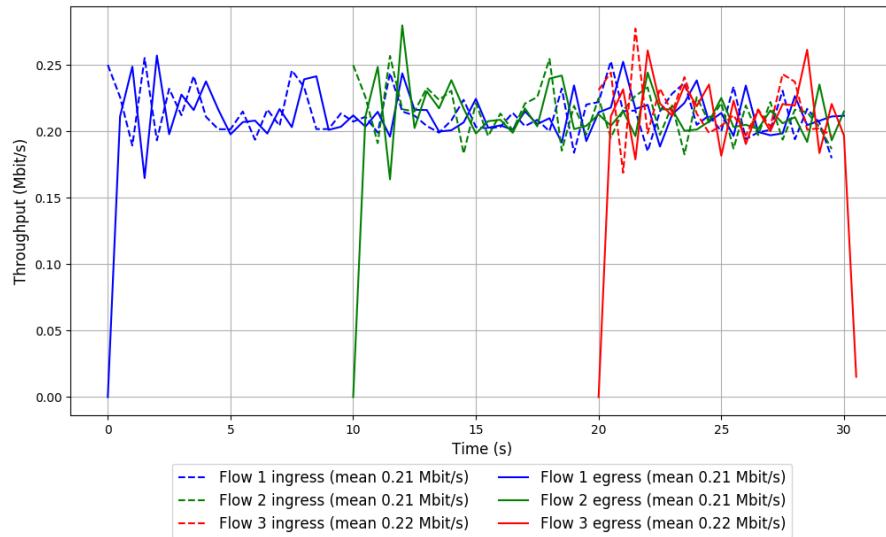


Run 9: Statistics of SCReAM

```
Start at: 2018-06-18 22:57:49
End at: 2018-06-18 22:58:19
Local clock offset: 4.16 ms
Remote clock offset: -1.011 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 65.395 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.424 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.241 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.411 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

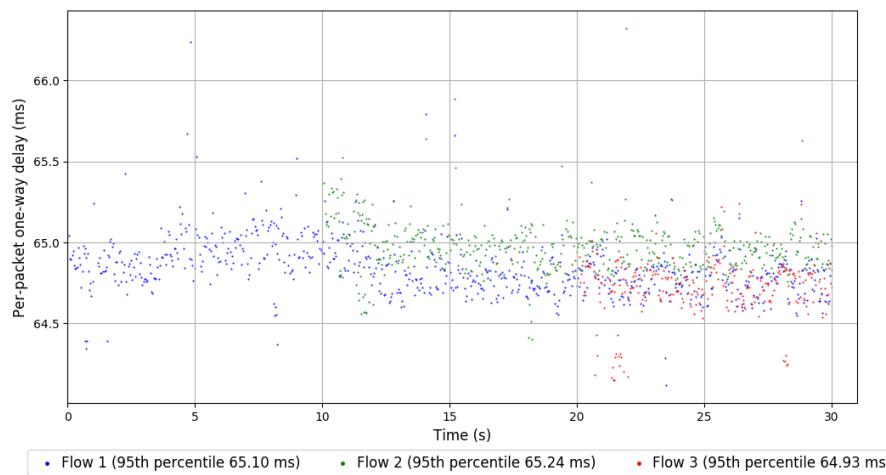
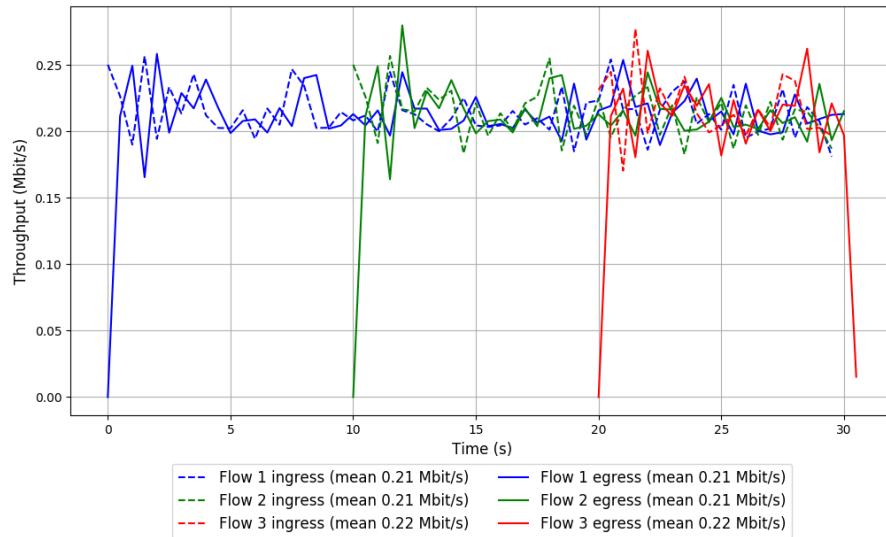


Run 10: Statistics of SCReAM

```
Start at: 2018-06-18 23:43:33
End at: 2018-06-18 23:44:03
Local clock offset: 5.582 ms
Remote clock offset: -0.805 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 65.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.104 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.236 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.929 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

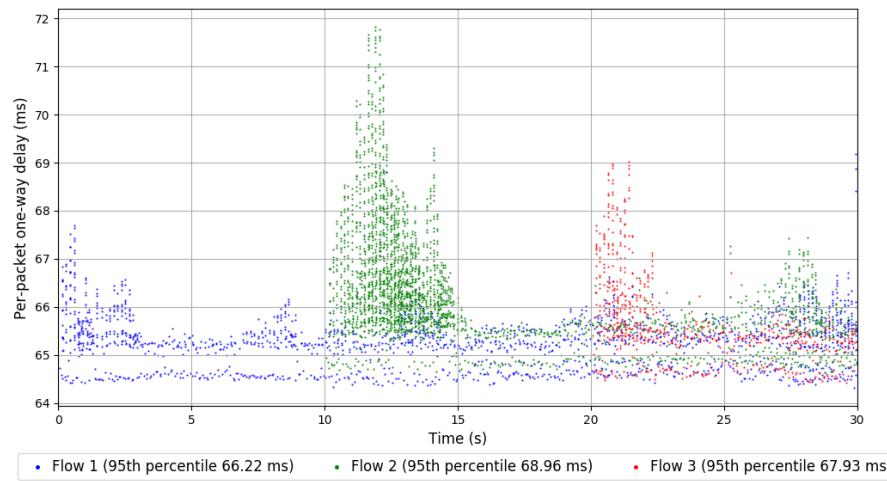
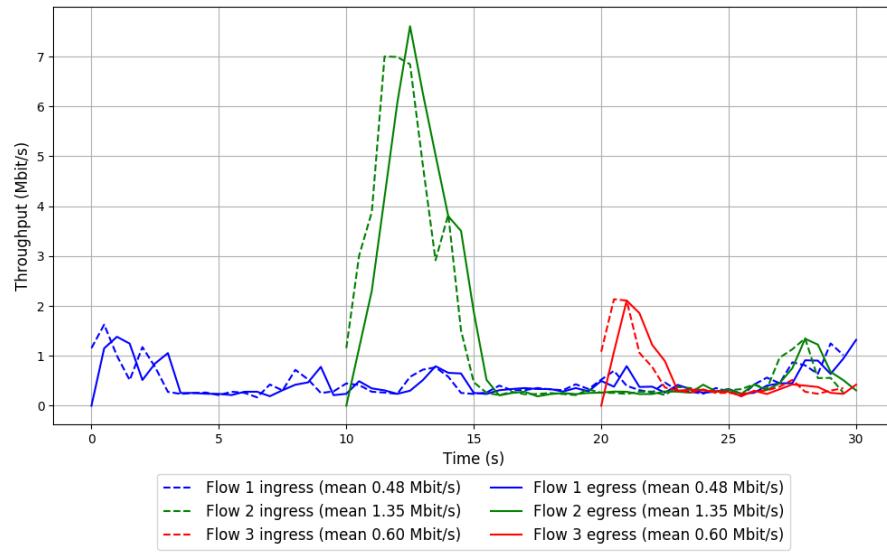


Run 1: Statistics of Sprout

```
Start at: 2018-06-18 16:20:50
End at: 2018-06-18 16:21:20
Local clock offset: -4.094 ms
Remote clock offset: -1.441 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 68.297 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 66.224 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 68.960 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 67.929 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

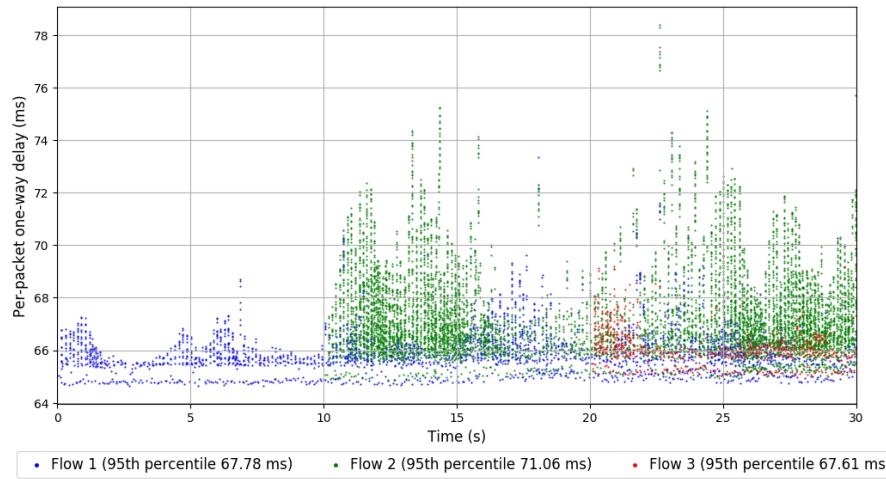
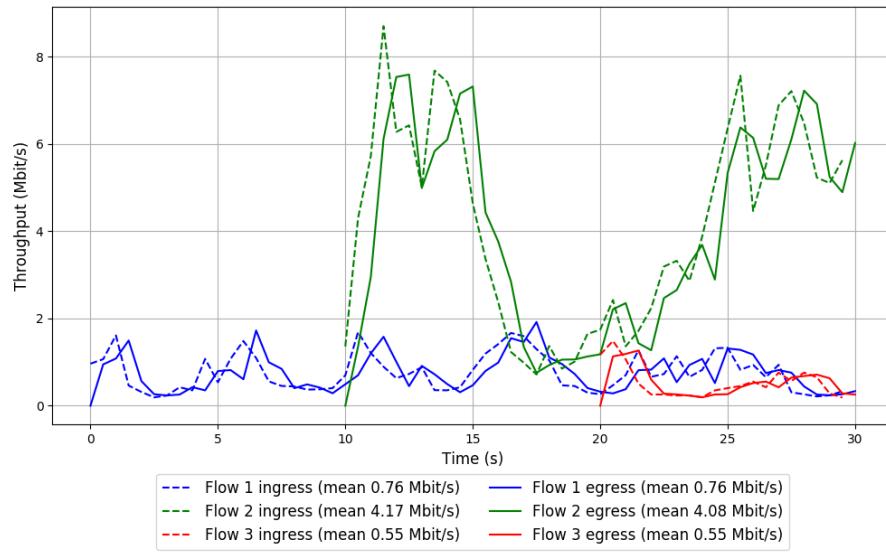


Run 2: Statistics of Sprout

```
Start at: 2018-06-18 17:04:54
End at: 2018-06-18 17:05:24
Local clock offset: -6.278 ms
Remote clock offset: -0.184 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 70.576 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 67.783 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 71.061 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 67.615 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

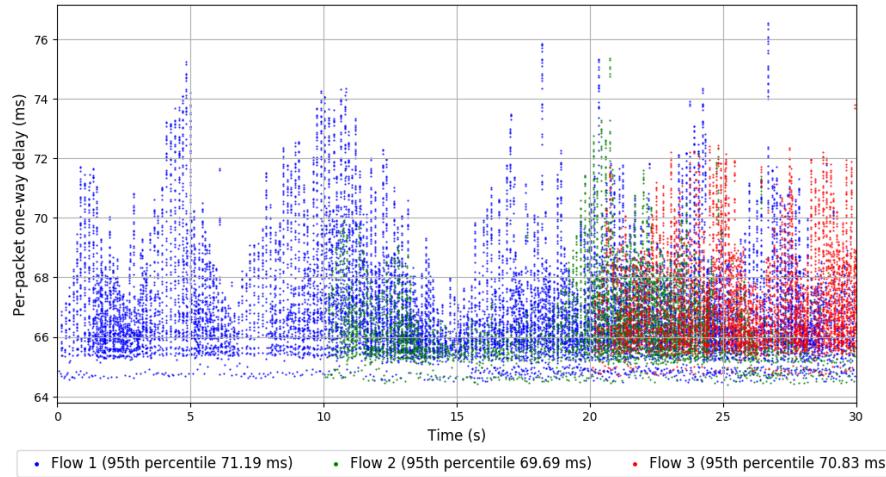
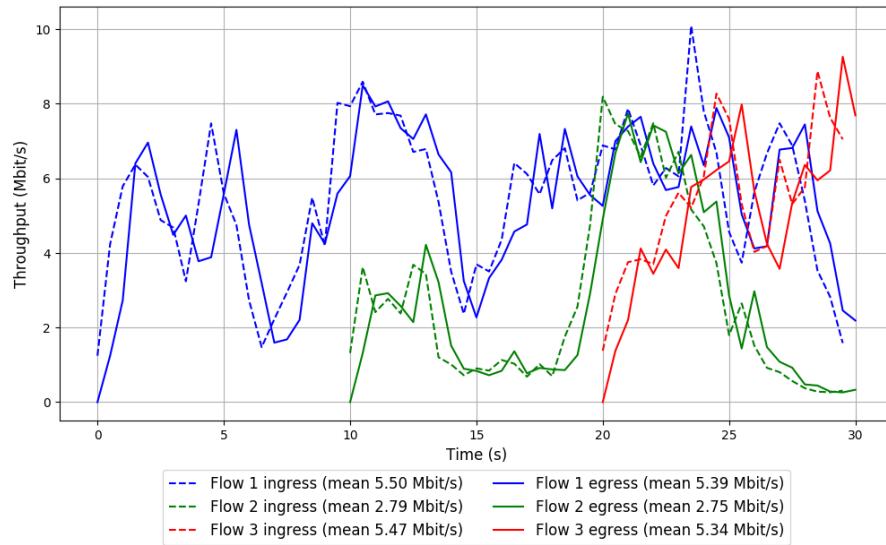


Run 3: Statistics of Sprout

```
Start at: 2018-06-18 17:51:08
End at: 2018-06-18 17:51:38
Local clock offset: -3.295 ms
Remote clock offset: -0.696 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 70.883 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 5.39 Mbit/s
95th percentile per-packet one-way delay: 71.195 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 2.75 Mbit/s
95th percentile per-packet one-way delay: 69.689 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 5.34 Mbit/s
95th percentile per-packet one-way delay: 70.828 ms
Loss rate: 2.27%
```

Run 3: Report of Sprout — Data Link

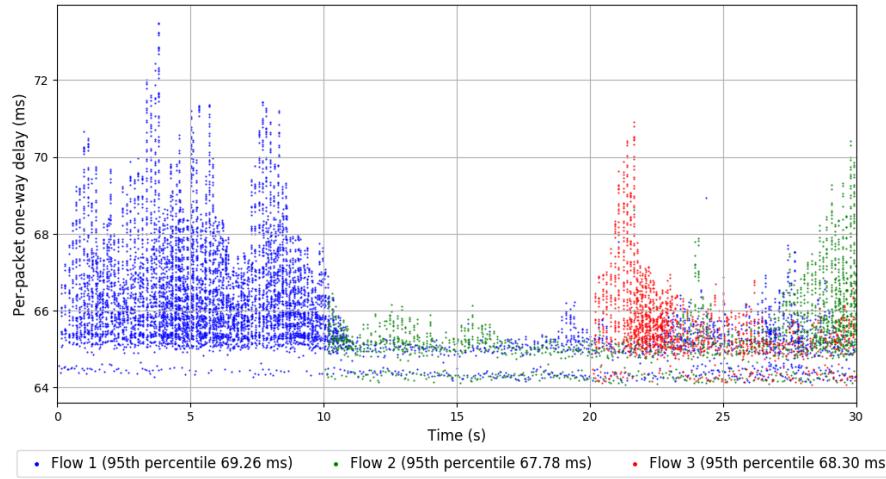
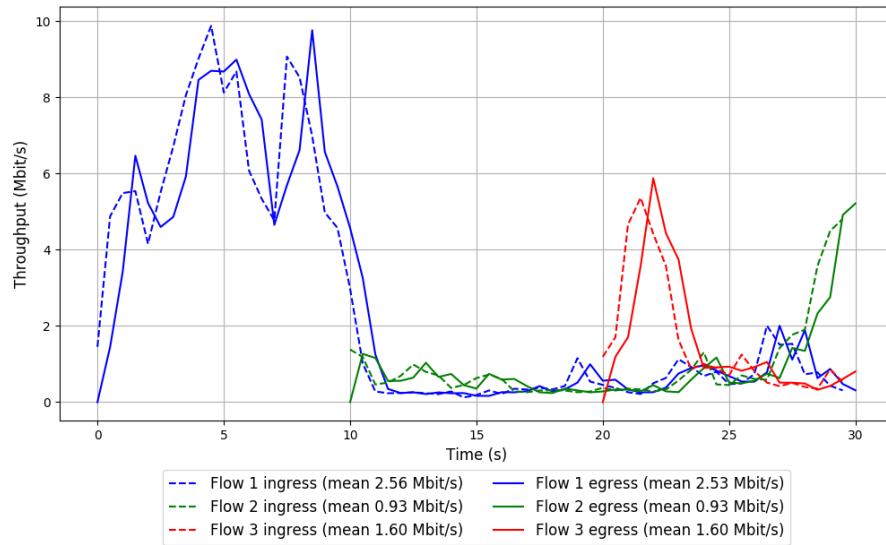


Run 4: Statistics of Sprout

```
Start at: 2018-06-18 18:37:24
End at: 2018-06-18 18:37:54
Local clock offset: 9.042 ms
Remote clock offset: -1.492 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.68 Mbit/s
95th percentile per-packet one-way delay: 68.930 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 69.262 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 67.781 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 68.299 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

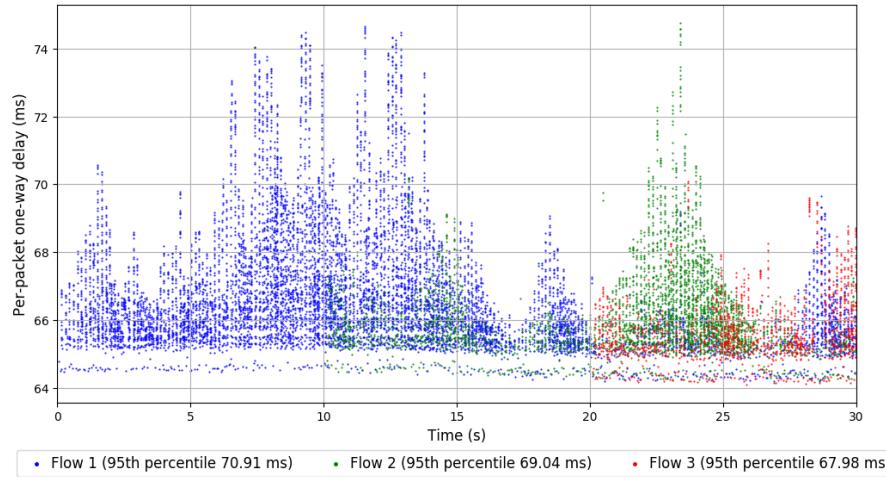
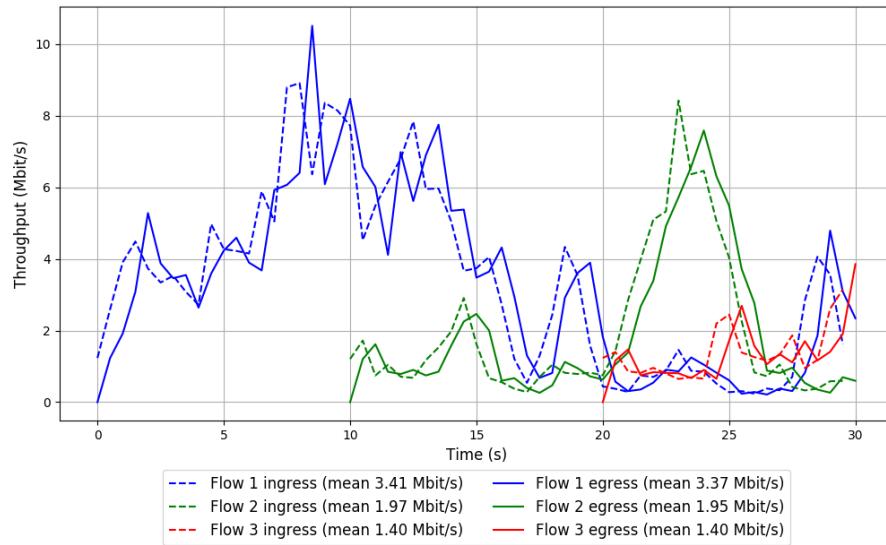


Run 5: Statistics of Sprout

```
Start at: 2018-06-18 19:24:07
End at: 2018-06-18 19:24:37
Local clock offset: -4.519 ms
Remote clock offset: -2.625 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.13 Mbit/s
95th percentile per-packet one-way delay: 70.136 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 70.909 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 69.039 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 67.982 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

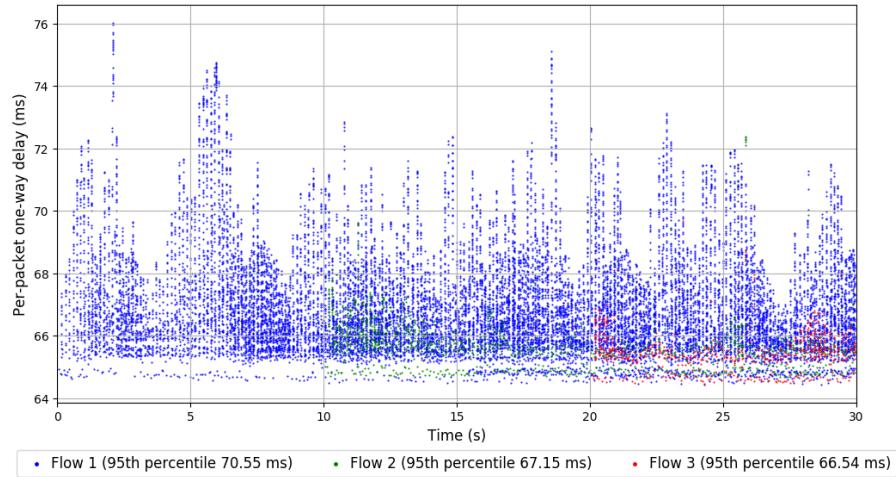
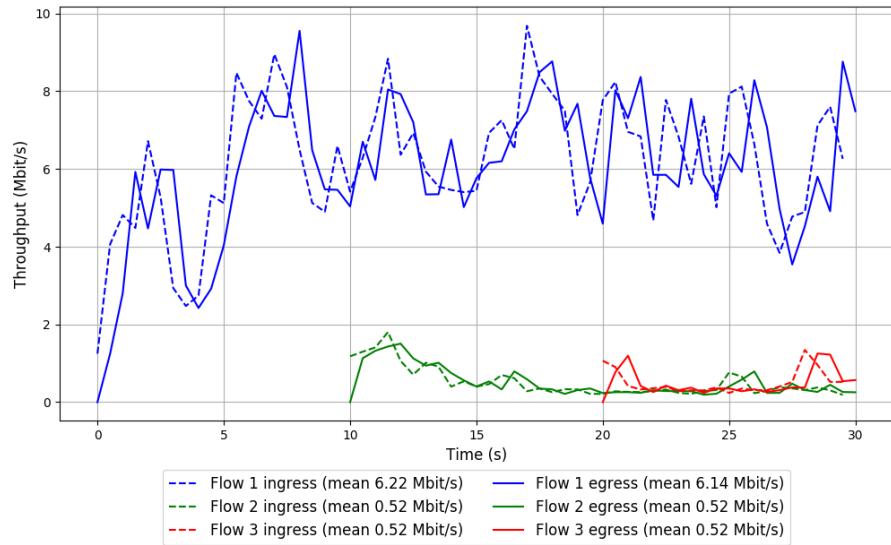


Run 6: Statistics of Sprout

```
Start at: 2018-06-18 20:10:27
End at: 2018-06-18 20:10:57
Local clock offset: 4.452 ms
Remote clock offset: -0.682 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.66 Mbit/s
95th percentile per-packet one-way delay: 70.435 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 6.14 Mbit/s
95th percentile per-packet one-way delay: 70.552 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 67.146 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 66.540 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

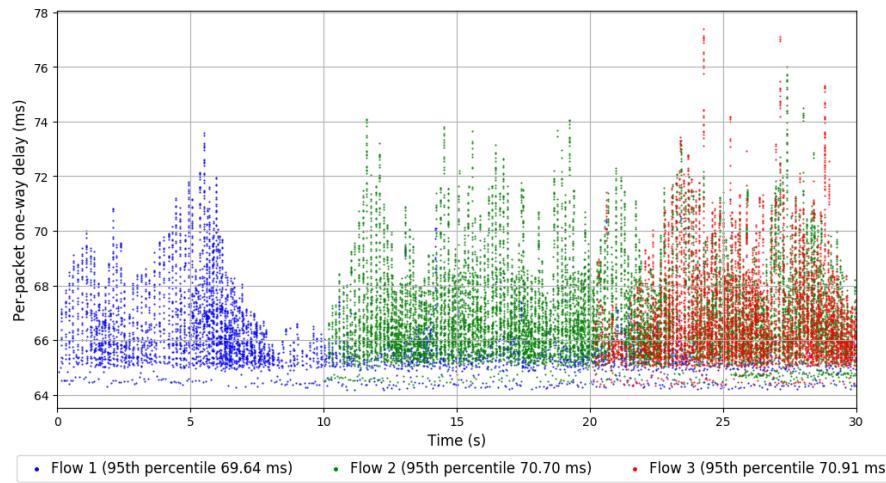
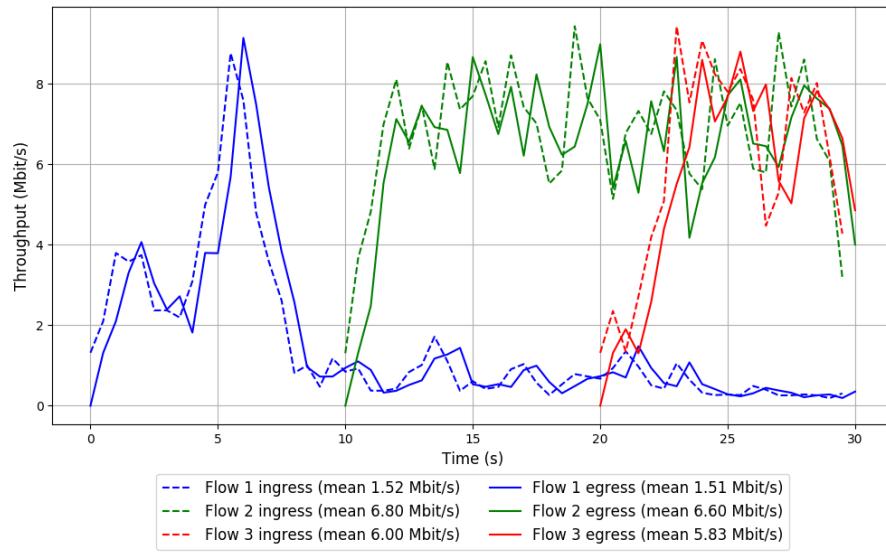


Run 7: Statistics of Sprout

```
Start at: 2018-06-18 20:57:32
End at: 2018-06-18 20:58:02
Local clock offset: 8.766 ms
Remote clock offset: -0.505 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 70.620 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 69.643 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 70.705 ms
Loss rate: 2.97%
-- Flow 3:
Average throughput: 5.83 Mbit/s
95th percentile per-packet one-way delay: 70.912 ms
Loss rate: 2.88%
```

Run 7: Report of Sprout — Data Link

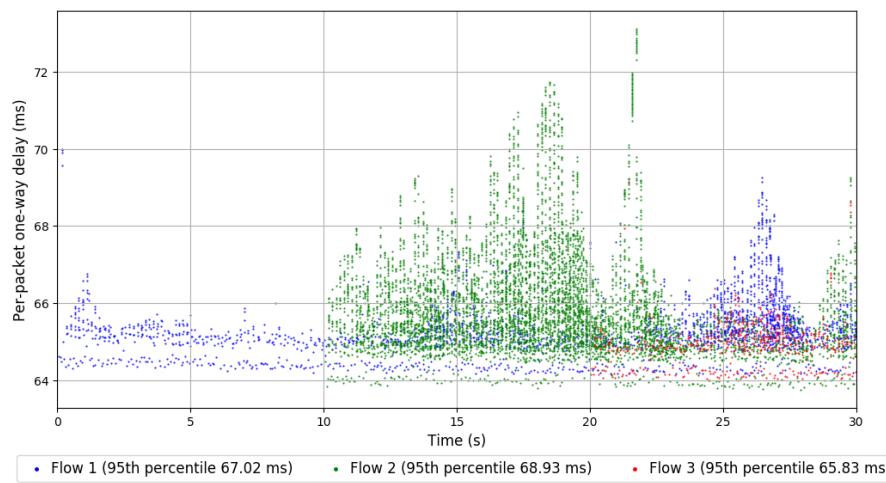
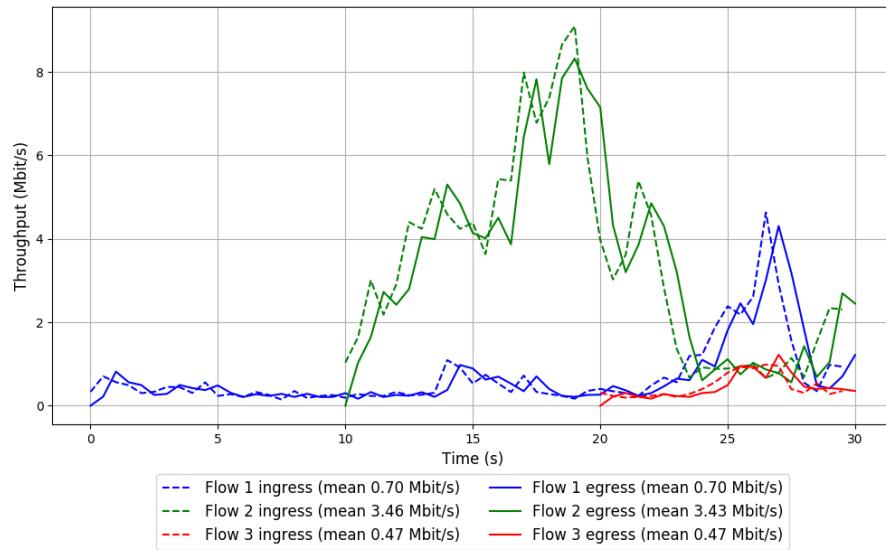


Run 8: Statistics of Sprout

```
Start at: 2018-06-18 21:45:01
End at: 2018-06-18 21:45:31
Local clock offset: -0.687 ms
Remote clock offset: -1.719 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 68.338 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 67.016 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 68.931 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 65.835 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

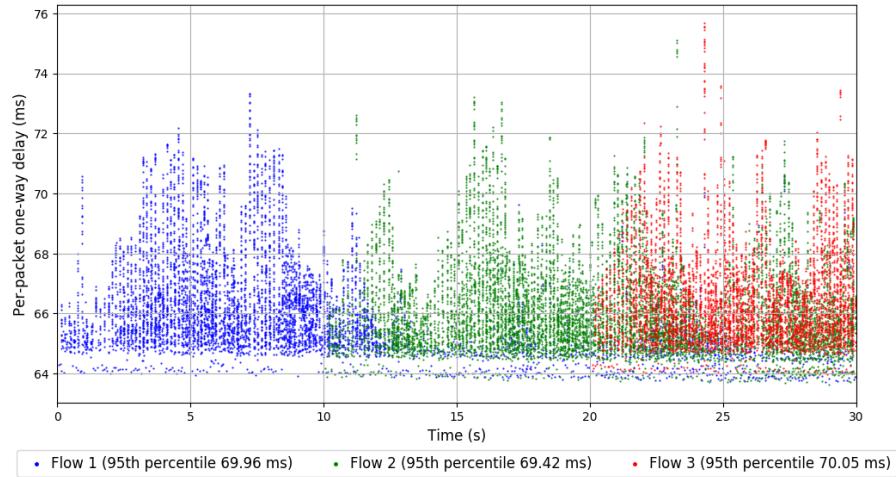
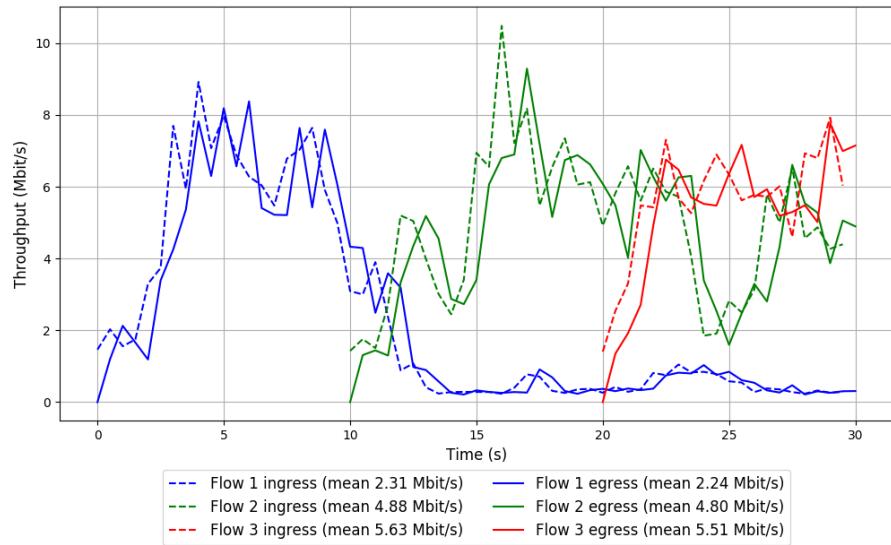


Run 9: Statistics of Sprout

```
Start at: 2018-06-18 22:31:42
End at: 2018-06-18 22:32:12
Local clock offset: 8.899 ms
Remote clock offset: -0.573 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 69.784 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 69.959 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 69.423 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 5.51 Mbit/s
95th percentile per-packet one-way delay: 70.050 ms
Loss rate: 2.10%
```

Run 9: Report of Sprout — Data Link

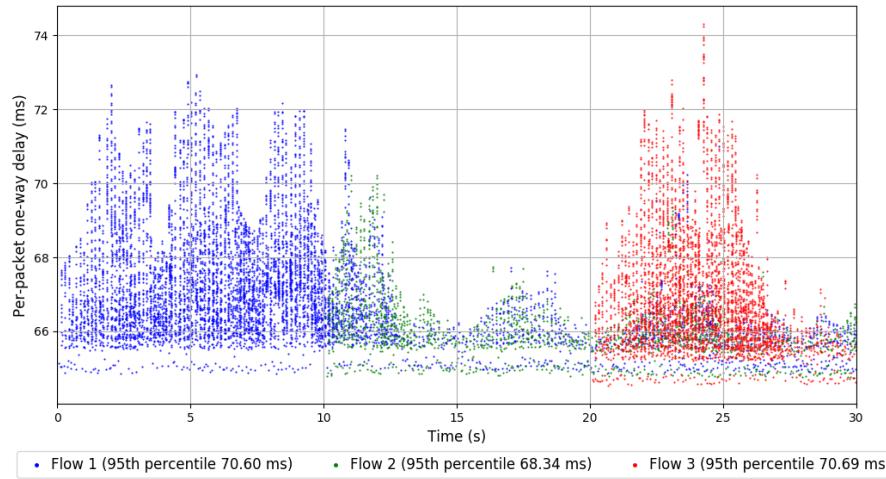
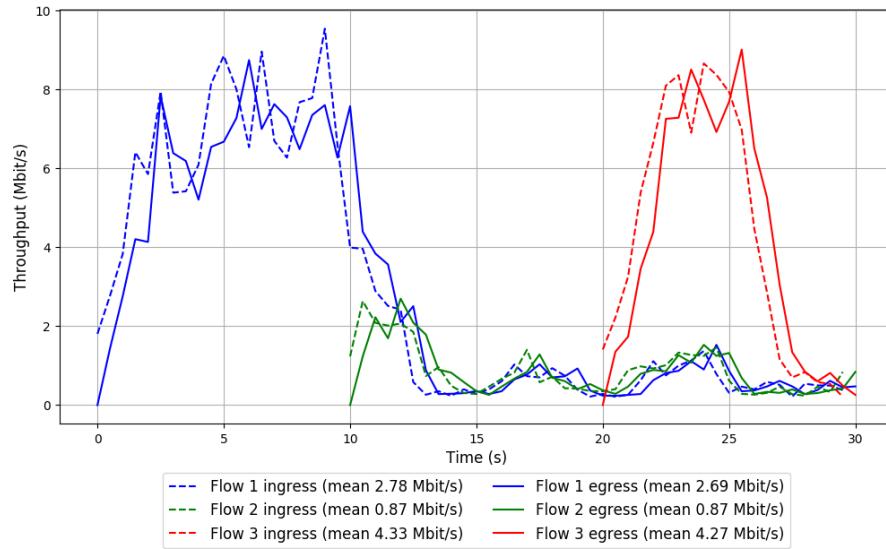


Run 10: Statistics of Sprout

```
Start at: 2018-06-18 23:17:25
End at: 2018-06-18 23:17:55
Local clock offset: 7.549 ms
Remote clock offset: -1.261 ms

# Below is generated by plot.py at 2018-06-19 00:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.68 Mbit/s
95th percentile per-packet one-way delay: 70.455 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 70.600 ms
Loss rate: 3.03%
-- Flow 2:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 68.342 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 70.685 ms
Loss rate: 1.24%
```

Run 10: Report of Sprout — Data Link

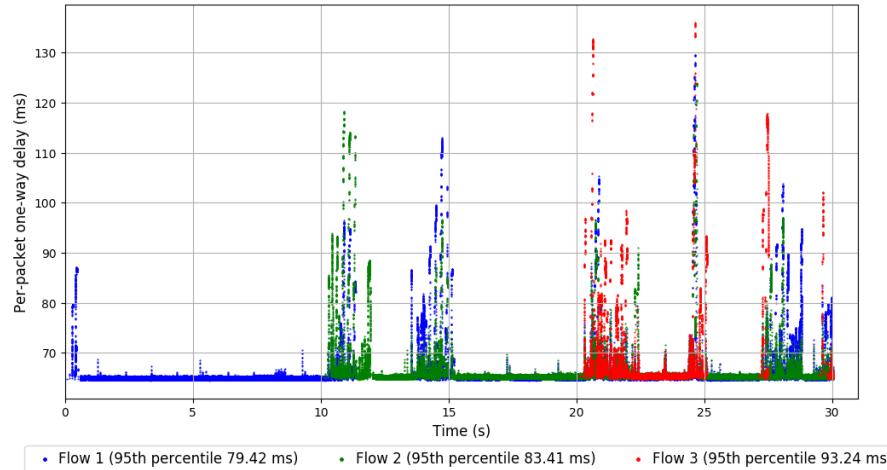
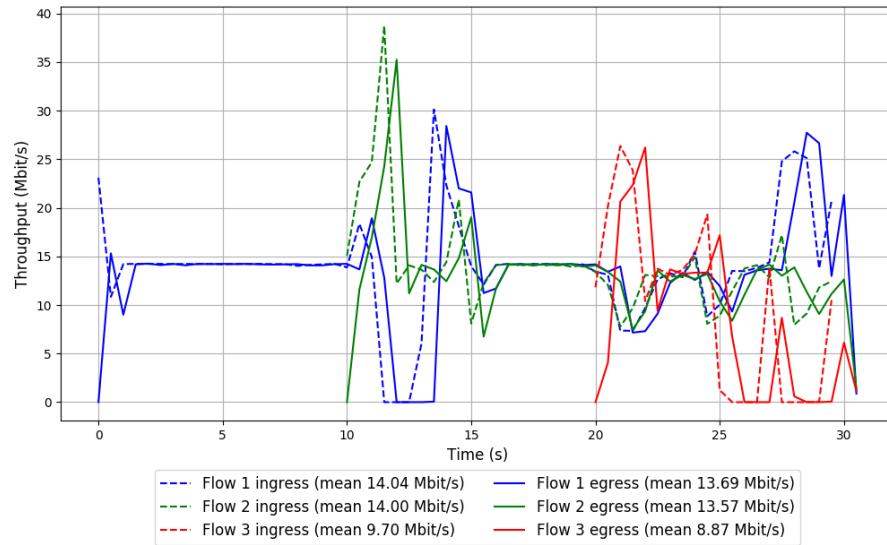


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-18 16:22:31
End at: 2018-06-18 16:23:01
Local clock offset: -4.181 ms
Remote clock offset: -1.499 ms

# Below is generated by plot.py at 2018-06-19 00:12:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.68 Mbit/s
95th percentile per-packet one-way delay: 84.102 ms
Loss rate: 3.42%
-- Flow 1:
Average throughput: 13.69 Mbit/s
95th percentile per-packet one-way delay: 79.415 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 13.57 Mbit/s
95th percentile per-packet one-way delay: 83.408 ms
Loss rate: 3.03%
-- Flow 3:
Average throughput: 8.87 Mbit/s
95th percentile per-packet one-way delay: 93.241 ms
Loss rate: 8.58%
```

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

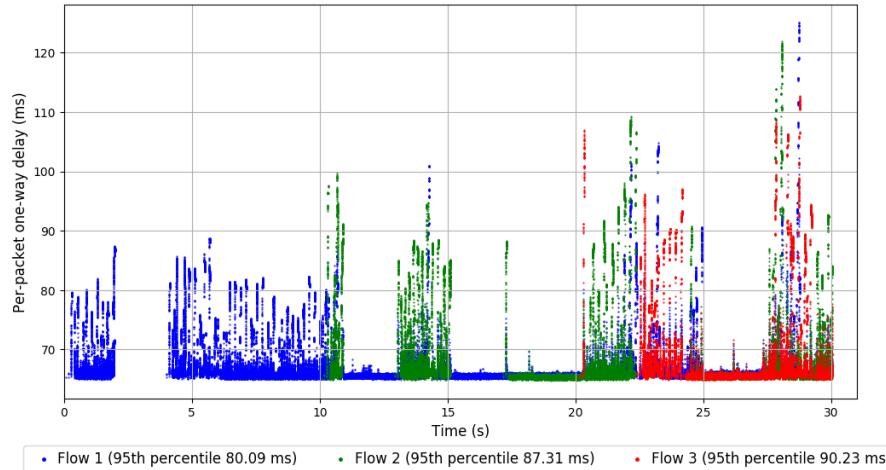
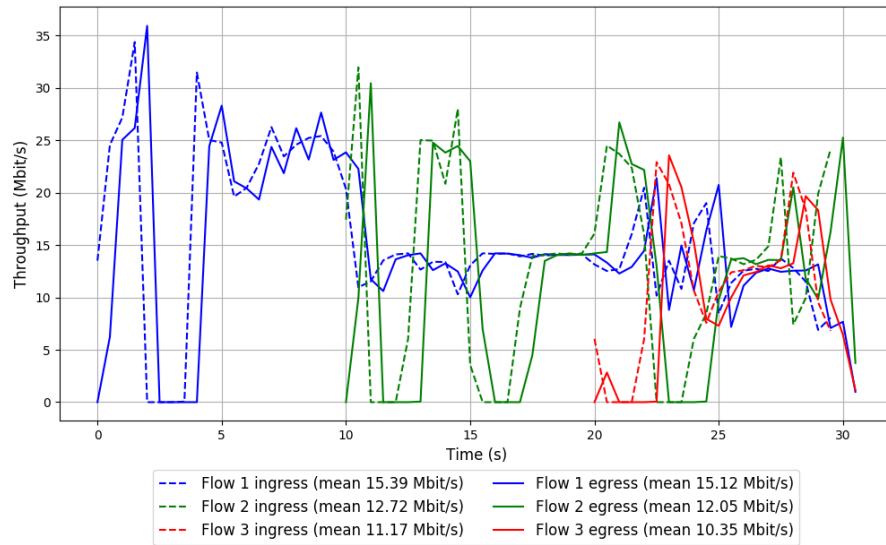


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-18 17:06:26
End at: 2018-06-18 17:06:56
Local clock offset: -5.758 ms
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-06-19 00:12:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.59 Mbit/s
95th percentile per-packet one-way delay: 84.265 ms
Loss rate: 3.57%
-- Flow 1:
Average throughput: 15.12 Mbit/s
95th percentile per-packet one-way delay: 80.095 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 87.311 ms
Loss rate: 5.24%
-- Flow 3:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 90.230 ms
Loss rate: 7.30%
```

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

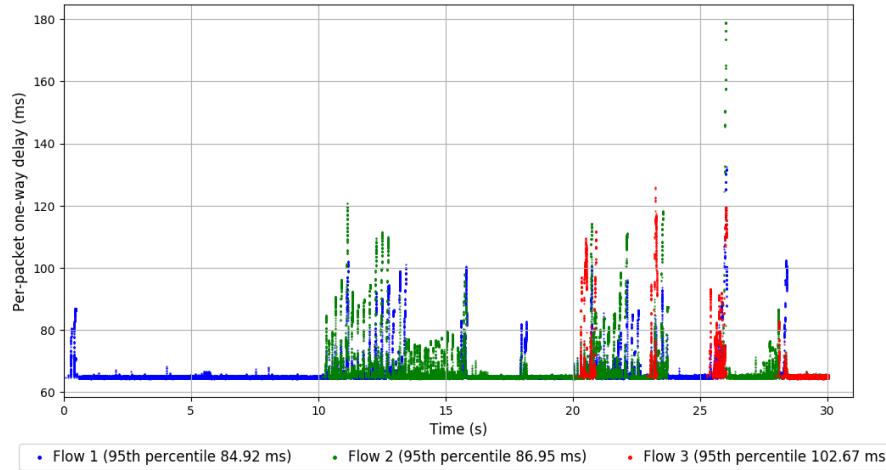
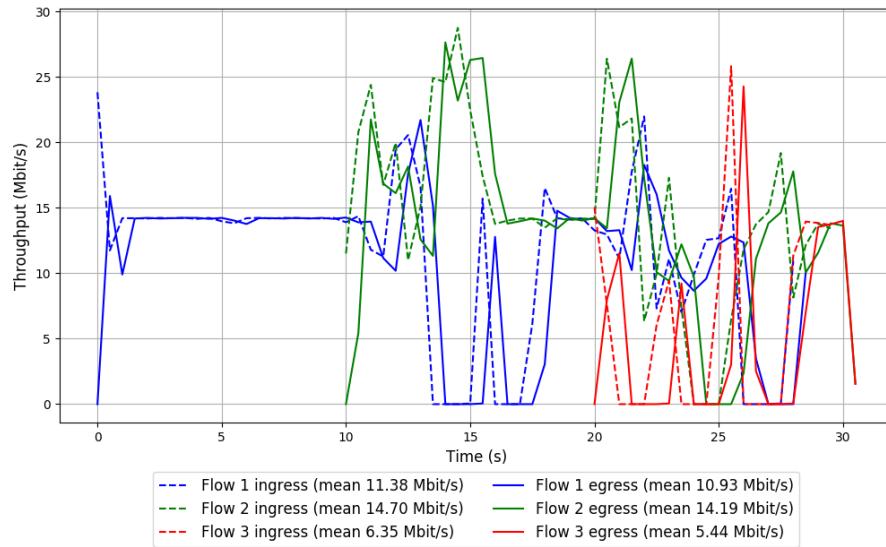


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-18 17:52:48
End at: 2018-06-18 17:53:18
Local clock offset: -3.039 ms
Remote clock offset: -0.784 ms

# Below is generated by plot.py at 2018-06-19 00:12:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.59 Mbit/s
95th percentile per-packet one-way delay: 86.521 ms
Loss rate: 4.70%
-- Flow 1:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 84.925 ms
Loss rate: 3.93%
-- Flow 2:
Average throughput: 14.19 Mbit/s
95th percentile per-packet one-way delay: 86.948 ms
Loss rate: 3.47%
-- Flow 3:
Average throughput: 5.44 Mbit/s
95th percentile per-packet one-way delay: 102.666 ms
Loss rate: 14.30%
```

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

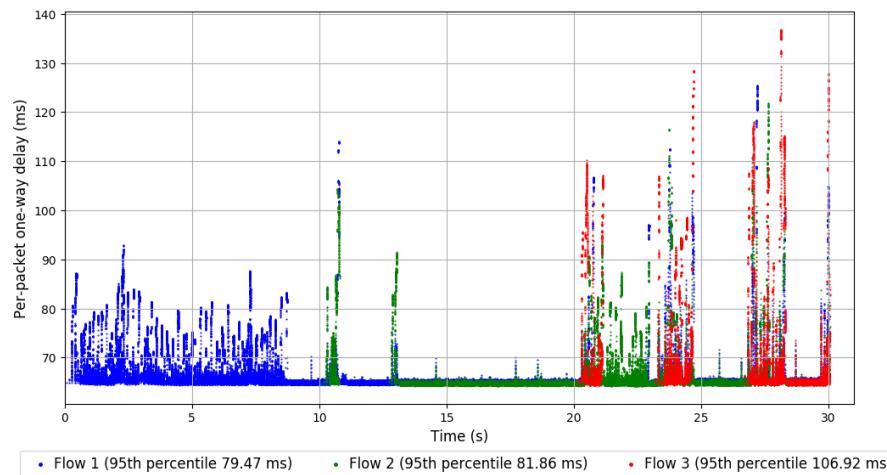
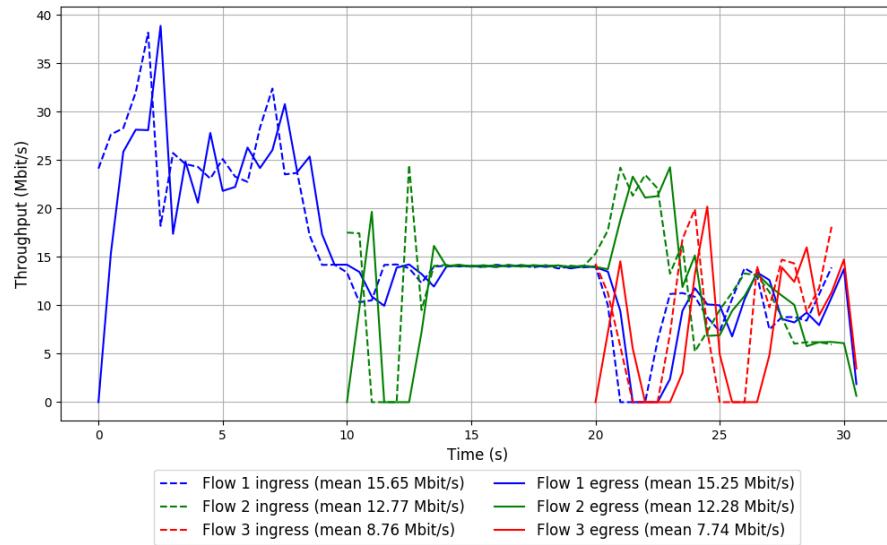


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-18 18:38:50
End at: 2018-06-18 18:39:20
Local clock offset: 8.866 ms
Remote clock offset: -1.421 ms

# Below is generated by plot.py at 2018-06-19 00:12:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.99 Mbit/s
95th percentile per-packet one-way delay: 82.584 ms
Loss rate: 3.94%
-- Flow 1:
Average throughput: 15.25 Mbit/s
95th percentile per-packet one-way delay: 79.474 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 12.28 Mbit/s
95th percentile per-packet one-way delay: 81.860 ms
Loss rate: 3.81%
-- Flow 3:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 106.919 ms
Loss rate: 11.62%
```

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

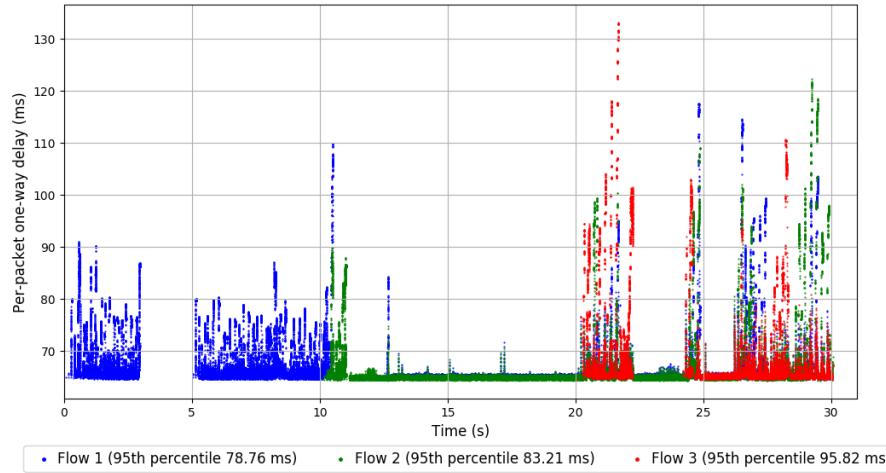
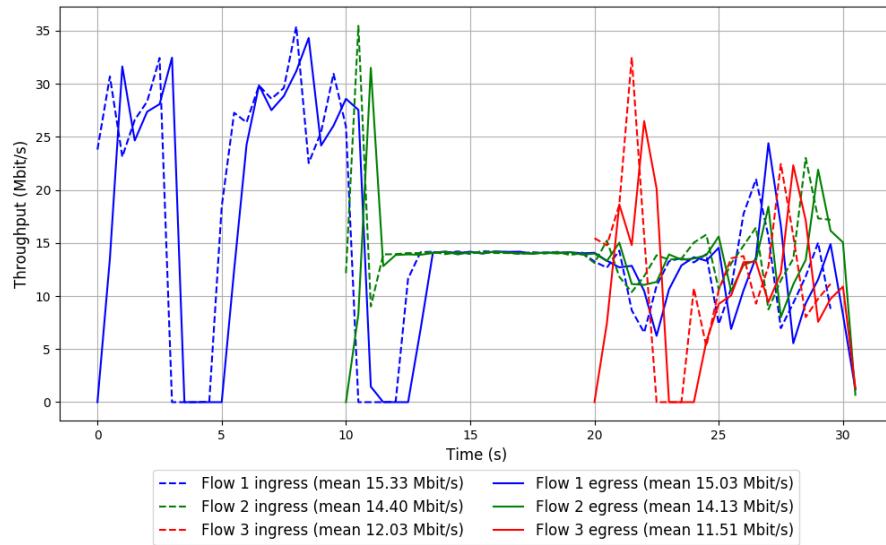


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-18 19:25:36
End at: 2018-06-18 19:26:06
Local clock offset: -4.906 ms
Remote clock offset: -2.468 ms

# Below is generated by plot.py at 2018-06-19 00:13:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.27 Mbit/s
95th percentile per-packet one-way delay: 82.894 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 15.03 Mbit/s
95th percentile per-packet one-way delay: 78.757 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 14.13 Mbit/s
95th percentile per-packet one-way delay: 83.213 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 95.822 ms
Loss rate: 4.36%
```

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

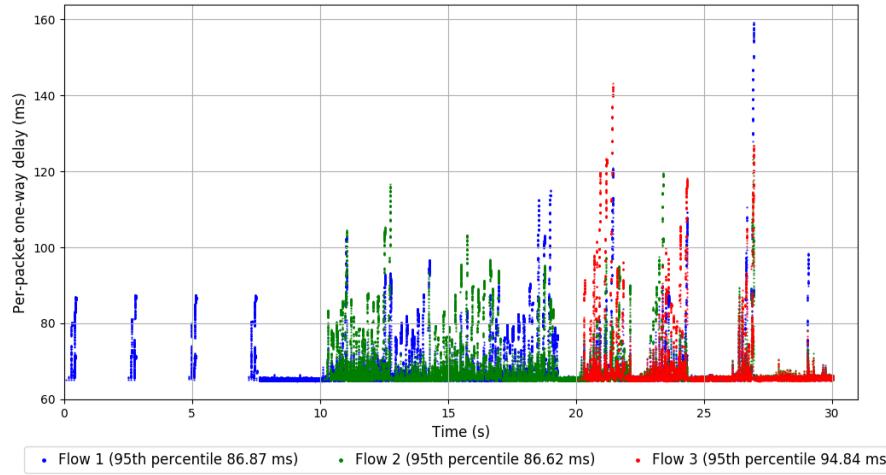
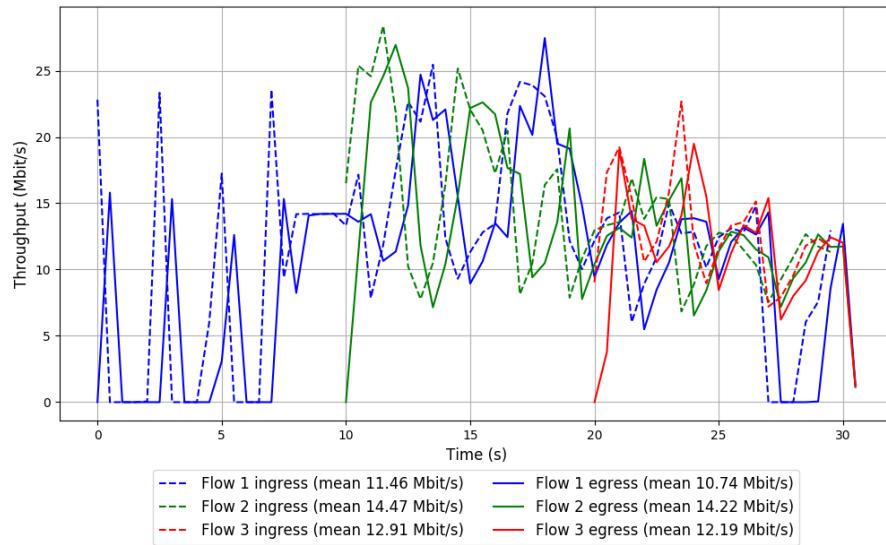


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-18 20:11:59
End at: 2018-06-18 20:12:29
Local clock offset: 4.59 ms
Remote clock offset: -0.627 ms

# Below is generated by plot.py at 2018-06-19 00:13:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 87.114 ms
Loss rate: 4.41%
-- Flow 1:
Average throughput: 10.74 Mbit/s
95th percentile per-packet one-way delay: 86.870 ms
Loss rate: 6.27%
-- Flow 2:
Average throughput: 14.22 Mbit/s
95th percentile per-packet one-way delay: 86.624 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 94.839 ms
Loss rate: 5.57%
```

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

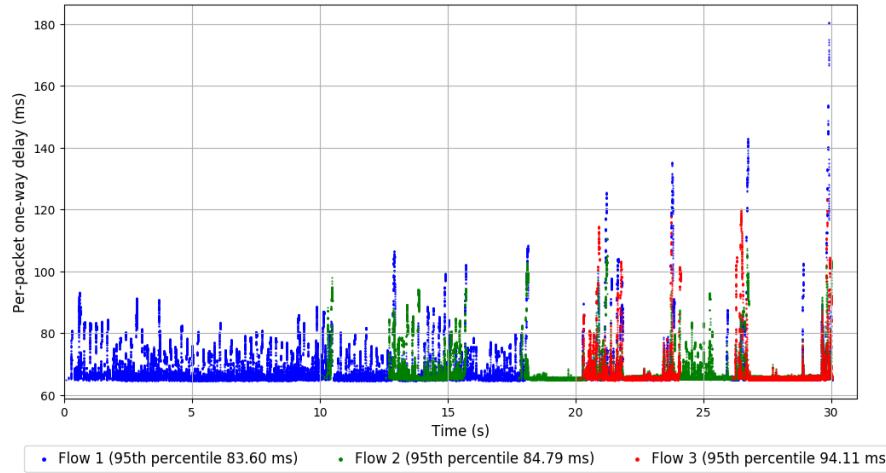
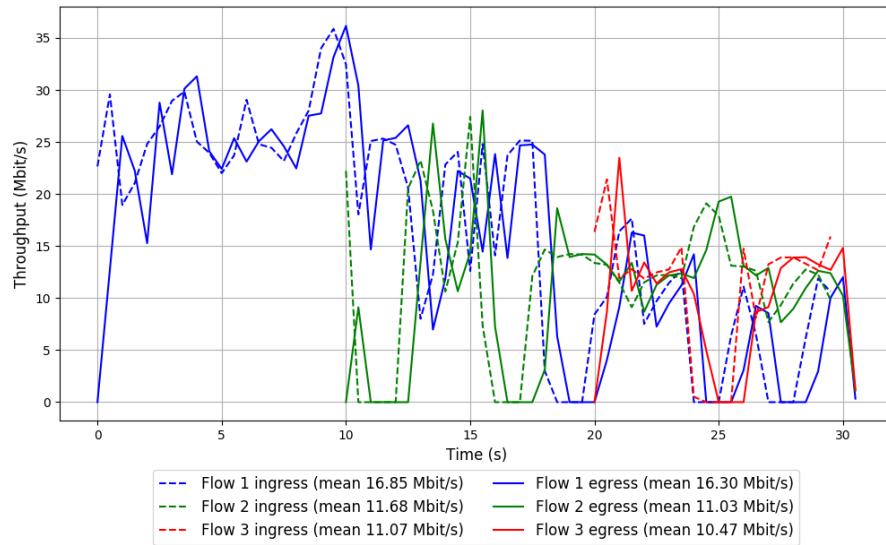


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-18 20:59:09
End at: 2018-06-18 20:59:39
Local clock offset: 8.54 ms
Remote clock offset: -0.417 ms

# Below is generated by plot.py at 2018-06-19 00:13:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.11 Mbit/s
95th percentile per-packet one-way delay: 84.665 ms
Loss rate: 4.16%
-- Flow 1:
Average throughput: 16.30 Mbit/s
95th percentile per-packet one-way delay: 83.603 ms
Loss rate: 3.28%
-- Flow 2:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: 84.787 ms
Loss rate: 5.47%
-- Flow 3:
Average throughput: 10.47 Mbit/s
95th percentile per-packet one-way delay: 94.110 ms
Loss rate: 5.42%
```

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

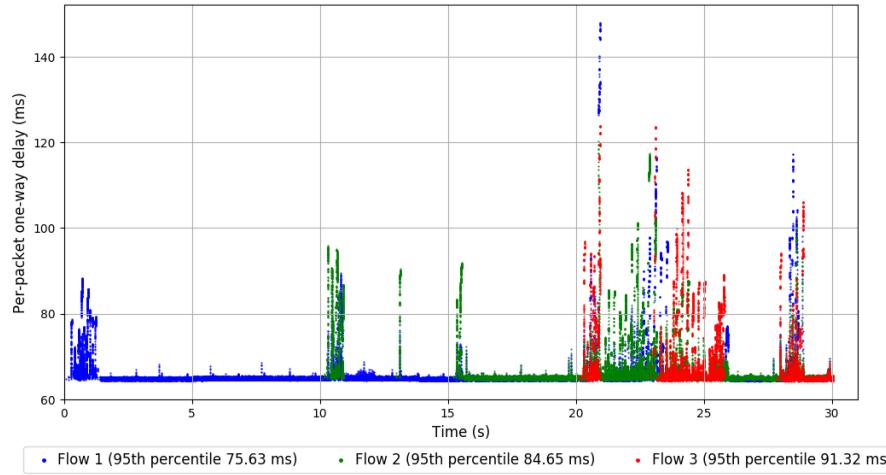
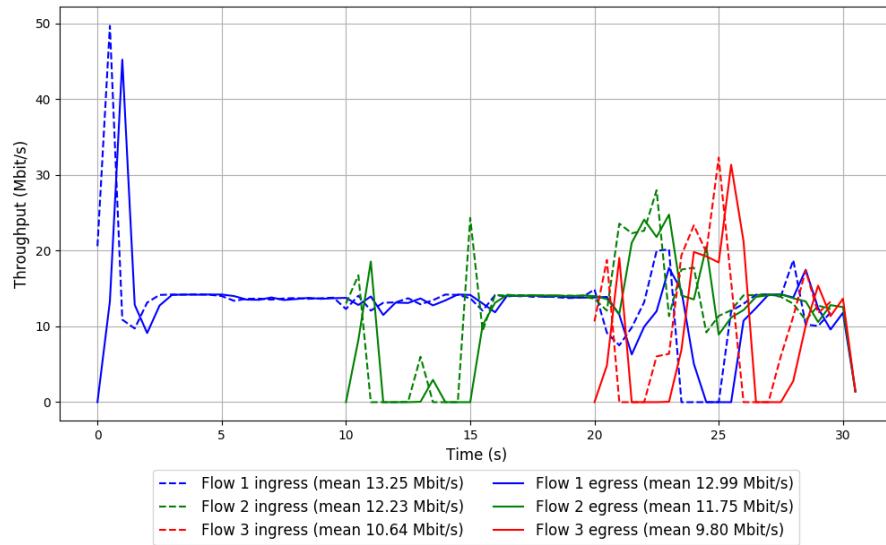


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-18 21:46:26
End at: 2018-06-18 21:46:56
Local clock offset: -1.281 ms
Remote clock offset: -1.644 ms

# Below is generated by plot.py at 2018-06-19 00:13:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.08 Mbit/s
95th percentile per-packet one-way delay: 83.085 ms
Loss rate: 3.45%
-- Flow 1:
Average throughput: 12.99 Mbit/s
95th percentile per-packet one-way delay: 75.628 ms
Loss rate: 1.97%
-- Flow 2:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 84.652 ms
Loss rate: 3.93%
-- Flow 3:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 91.324 ms
Loss rate: 7.88%
```

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

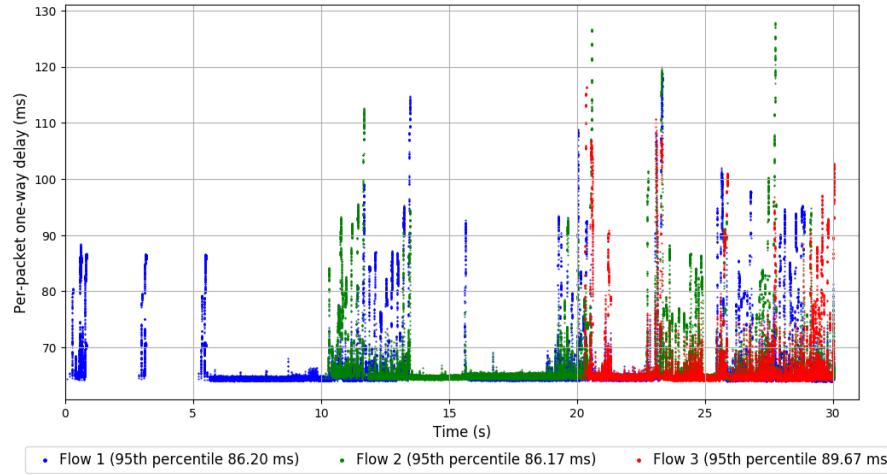
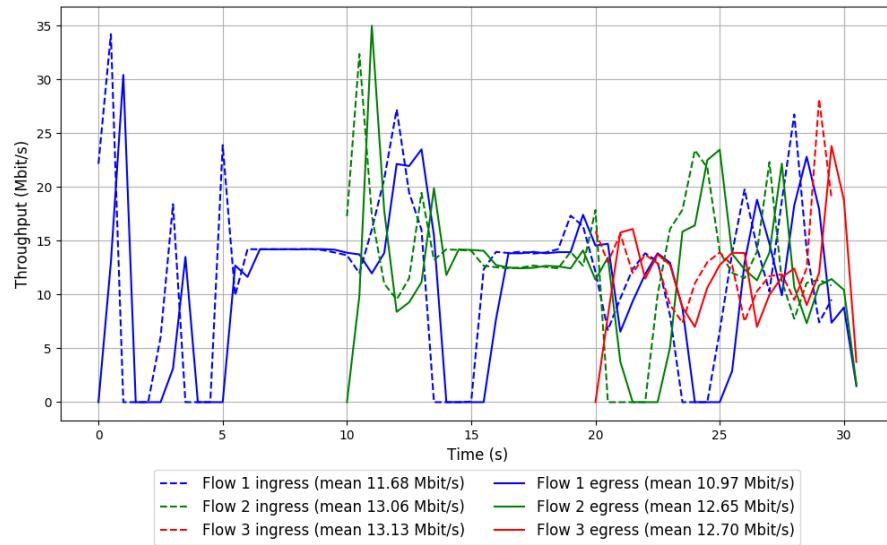


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-18 22:33:17
End at: 2018-06-18 22:33:47
Local clock offset: 8.05 ms
Remote clock offset: -0.52 ms

# Below is generated by plot.py at 2018-06-19 00:13:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.62 Mbit/s
95th percentile per-packet one-way delay: 86.383 ms
Loss rate: 4.48%
-- Flow 1:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 86.202 ms
Loss rate: 6.07%
-- Flow 2:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 86.175 ms
Loss rate: 3.13%
-- Flow 3:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 89.671 ms
Loss rate: 2.92%
```

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

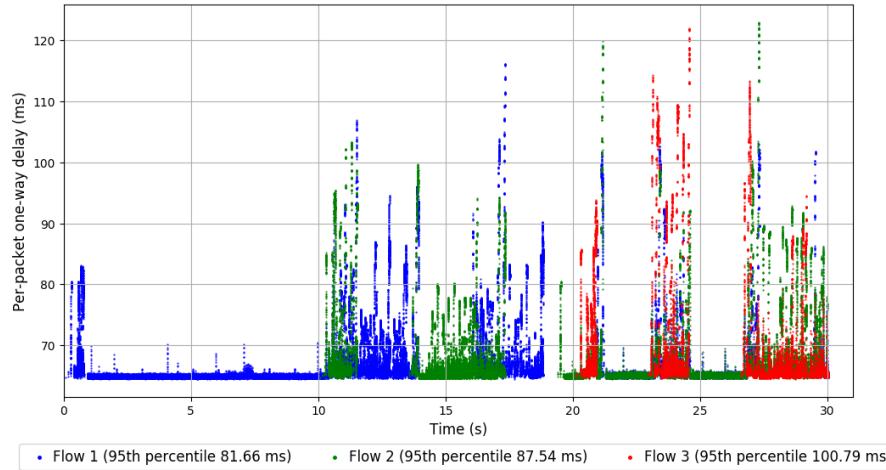
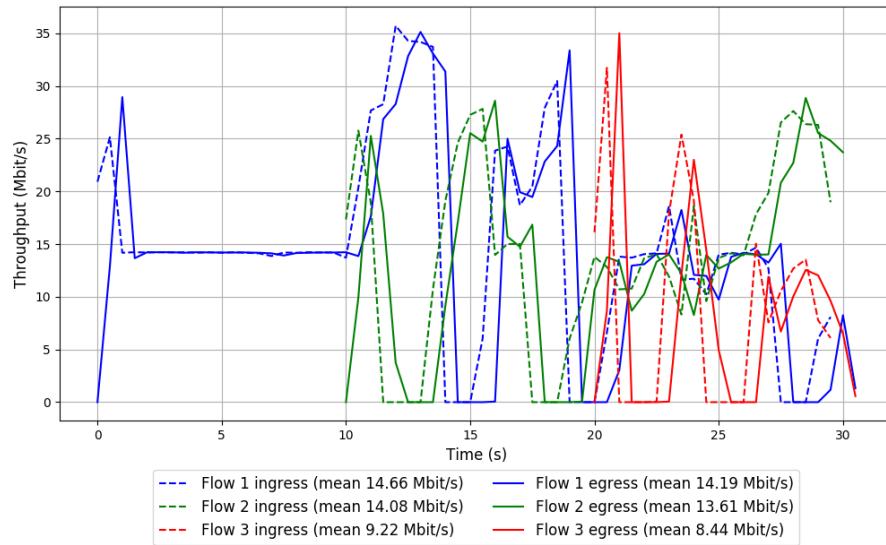


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-18 23:18:52
End at: 2018-06-18 23:19:22
Local clock offset: 7.849 ms
Remote clock offset: -1.288 ms

# Below is generated by plot.py at 2018-06-19 00:13:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.04 Mbit/s
95th percentile per-packet one-way delay: 86.031 ms
Loss rate: 3.82%
-- Flow 1:
Average throughput: 14.19 Mbit/s
95th percentile per-packet one-way delay: 81.663 ms
Loss rate: 3.21%
-- Flow 2:
Average throughput: 13.61 Mbit/s
95th percentile per-packet one-way delay: 87.540 ms
Loss rate: 3.27%
-- Flow 3:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 100.791 ms
Loss rate: 8.38%
```

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

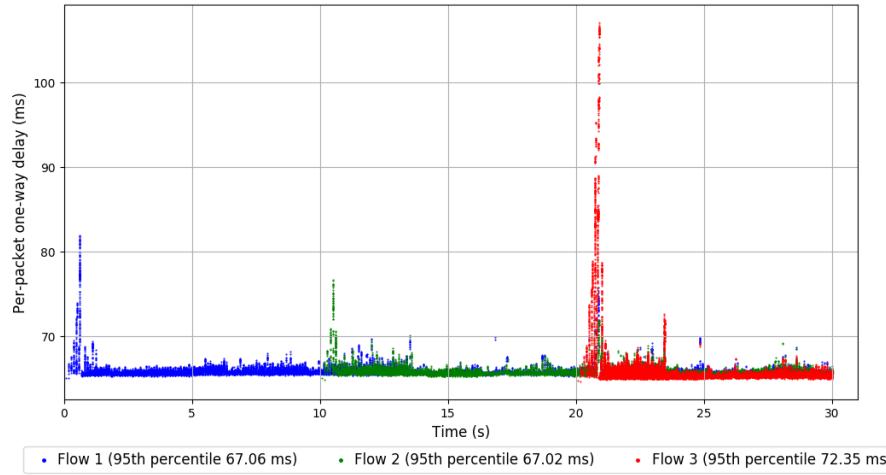
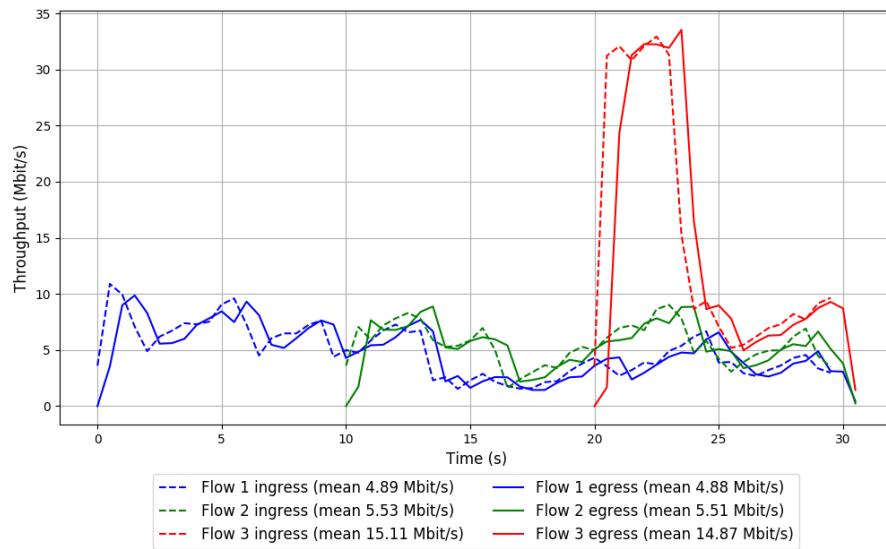


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-18 16:54:04
End at: 2018-06-18 16:54:34
Local clock offset: -7.313 ms
Remote clock offset: -0.372 ms

# Below is generated by plot.py at 2018-06-19 00:13:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.48 Mbit/s
95th percentile per-packet one-way delay: 67.670 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 67.056 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 5.51 Mbit/s
95th percentile per-packet one-way delay: 67.018 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 14.87 Mbit/s
95th percentile per-packet one-way delay: 72.349 ms
Loss rate: 1.54%
```

Run 1: Report of TCP Vegas — Data Link

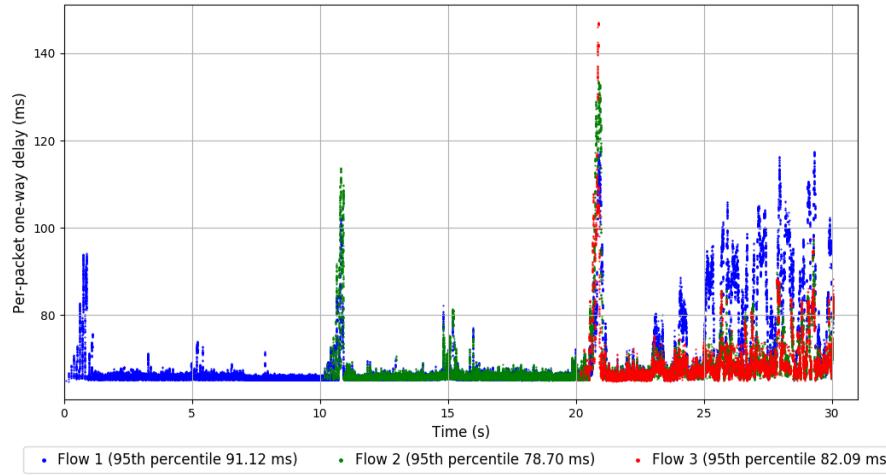
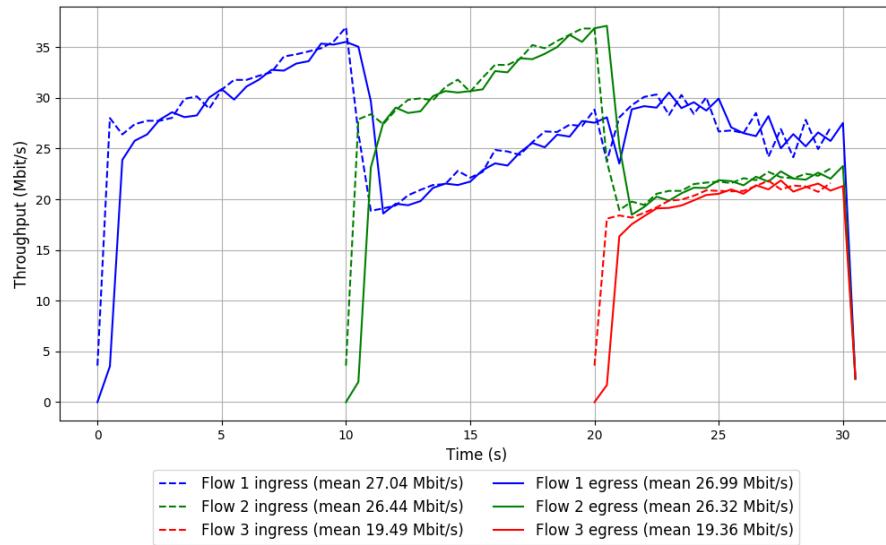


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-18 17:38:13
End at: 2018-06-18 17:38:43
Local clock offset: -2.856 ms
Remote clock offset: -0.238 ms

# Below is generated by plot.py at 2018-06-19 00:13:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.95 Mbit/s
95th percentile per-packet one-way delay: 87.054 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 91.119 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 26.32 Mbit/s
95th percentile per-packet one-way delay: 78.700 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 19.36 Mbit/s
95th percentile per-packet one-way delay: 82.094 ms
Loss rate: 0.68%
```

Run 2: Report of TCP Vegas — Data Link

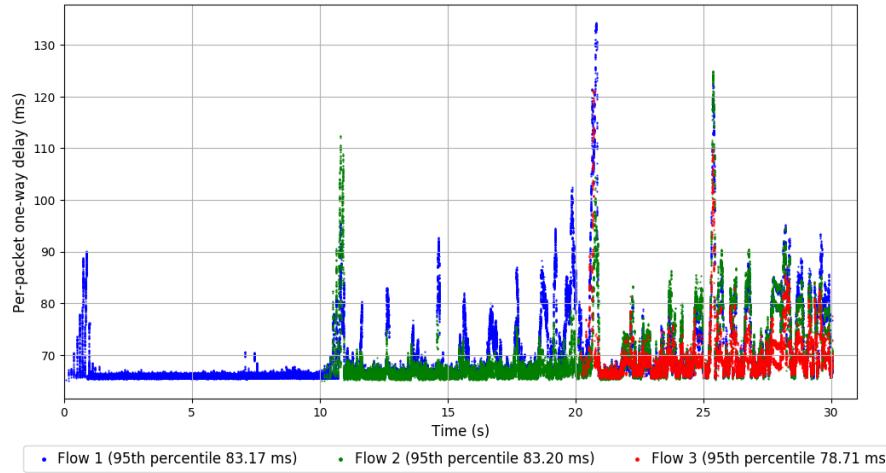
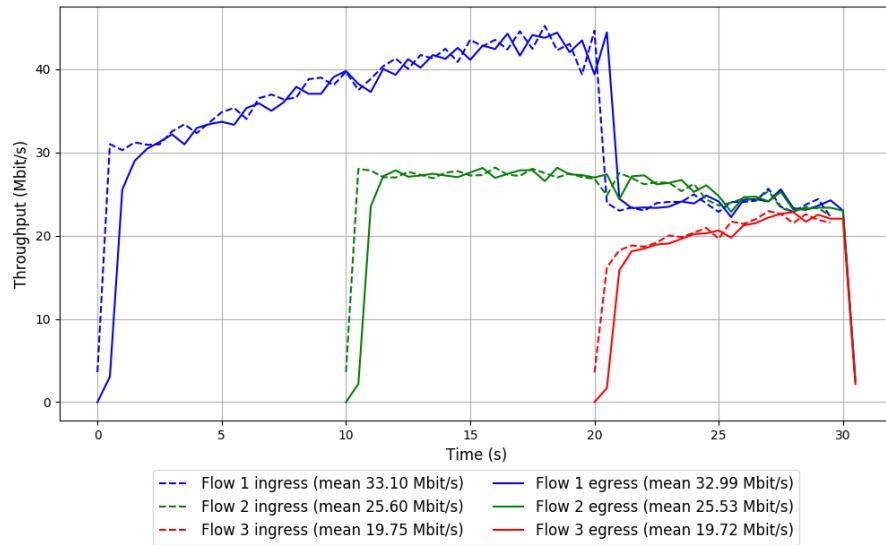


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-18 18:24:37
End at: 2018-06-18 18:25:07
Local clock offset: 9.72 ms
Remote clock offset: -1.203 ms

# Below is generated by plot.py at 2018-06-19 00:13:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.55 Mbit/s
95th percentile per-packet one-way delay: 82.826 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 83.168 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 25.53 Mbit/s
95th percentile per-packet one-way delay: 83.199 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 19.72 Mbit/s
95th percentile per-packet one-way delay: 78.713 ms
Loss rate: 0.06%
```

Run 3: Report of TCP Vegas — Data Link

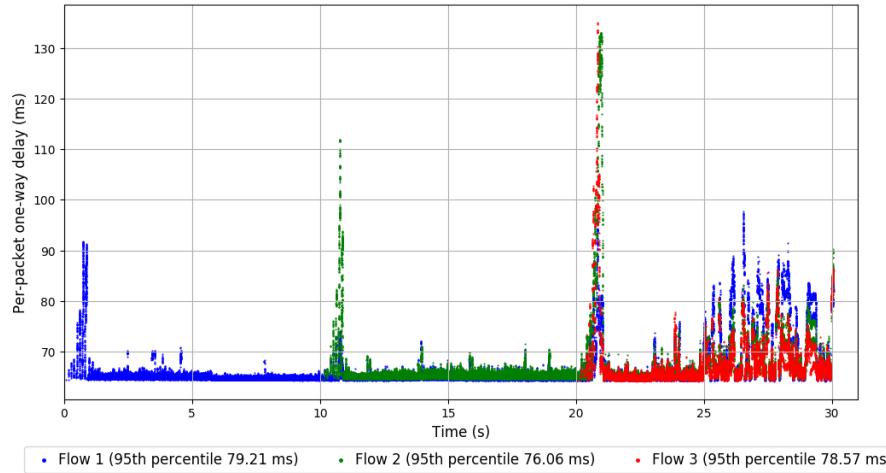
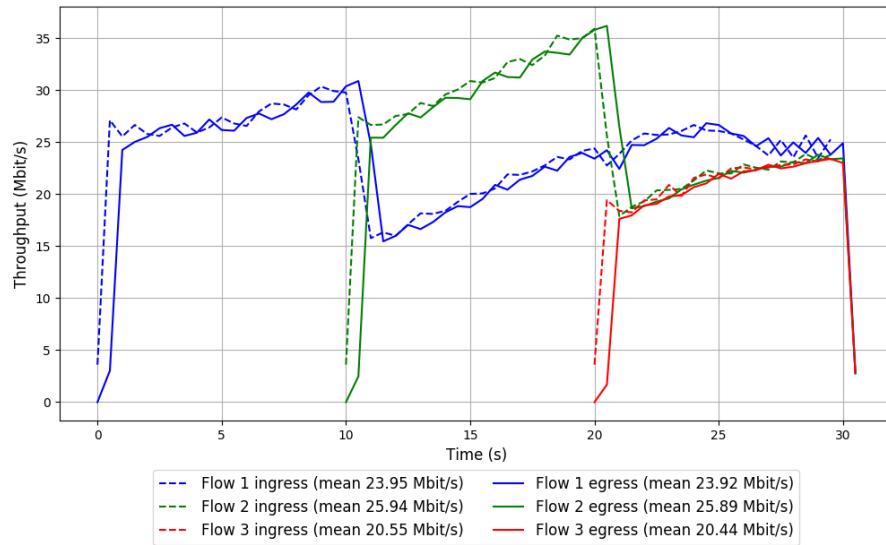


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-18 19:11:17
End at: 2018-06-18 19:11:47
Local clock offset: -0.17 ms
Remote clock offset: -2.52 ms

# Below is generated by plot.py at 2018-06-19 00:13:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.96 Mbit/s
95th percentile per-packet one-way delay: 78.365 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 79.209 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 25.89 Mbit/s
95th percentile per-packet one-way delay: 76.061 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 78.574 ms
Loss rate: 0.51%
```

Run 4: Report of TCP Vegas — Data Link

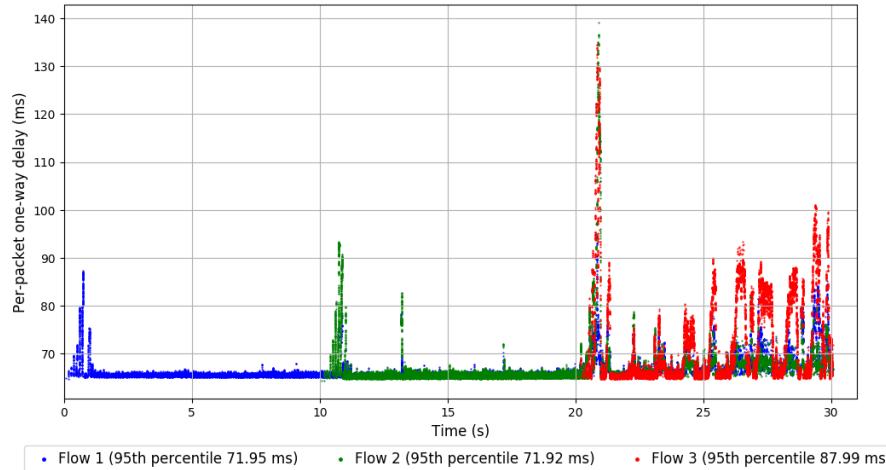
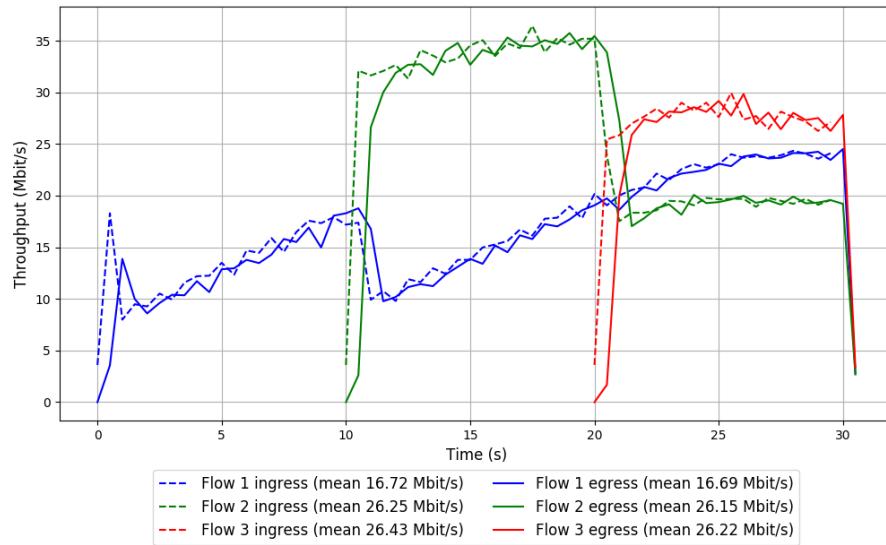


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-18 19:57:42
End at: 2018-06-18 19:58:12
Local clock offset: 3.416 ms
Remote clock offset: -1.607 ms

# Below is generated by plot.py at 2018-06-19 00:13:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.82 Mbit/s
95th percentile per-packet one-way delay: 80.456 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 16.69 Mbit/s
95th percentile per-packet one-way delay: 71.951 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 26.15 Mbit/s
95th percentile per-packet one-way delay: 71.923 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 26.22 Mbit/s
95th percentile per-packet one-way delay: 87.989 ms
Loss rate: 0.71%
```

Run 5: Report of TCP Vegas — Data Link

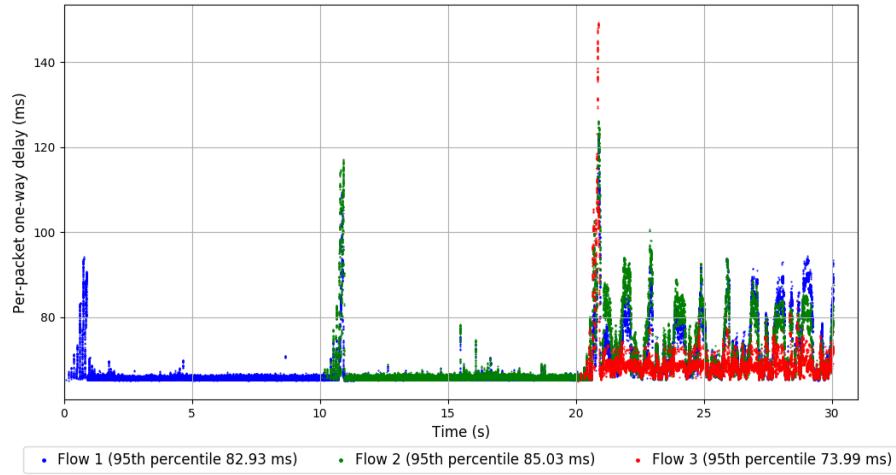
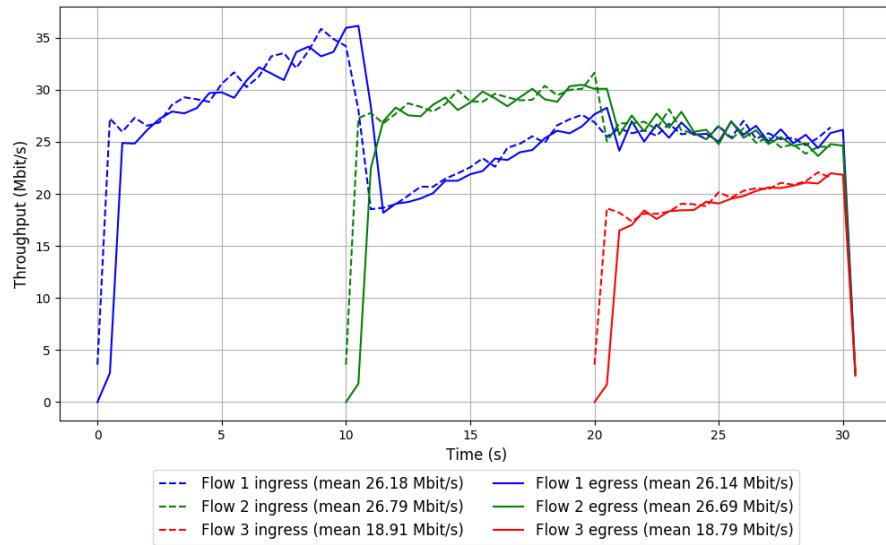


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-18 20:44:33
End at: 2018-06-18 20:45:03
Local clock offset: 7.716 ms
Remote clock offset: -0.444 ms

# Below is generated by plot.py at 2018-06-19 00:13:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 83.585 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 26.14 Mbit/s
95th percentile per-packet one-way delay: 82.930 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 26.69 Mbit/s
95th percentile per-packet one-way delay: 85.027 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 18.79 Mbit/s
95th percentile per-packet one-way delay: 73.993 ms
Loss rate: 0.60%
```

Run 6: Report of TCP Vegas — Data Link

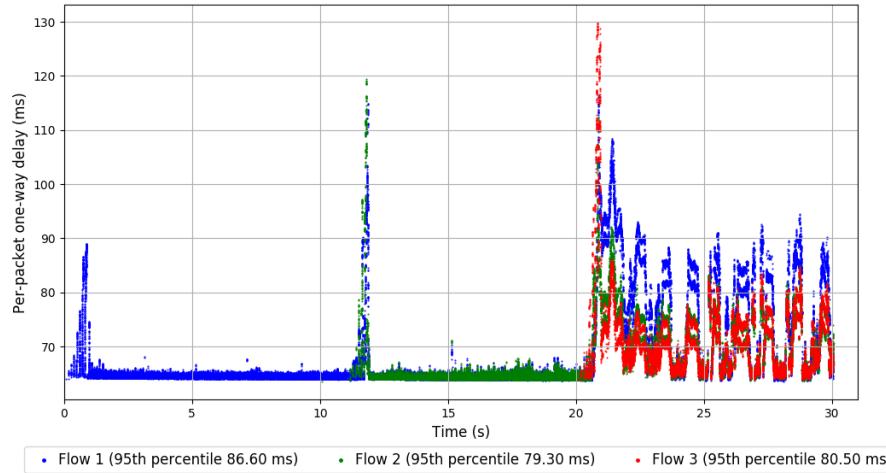
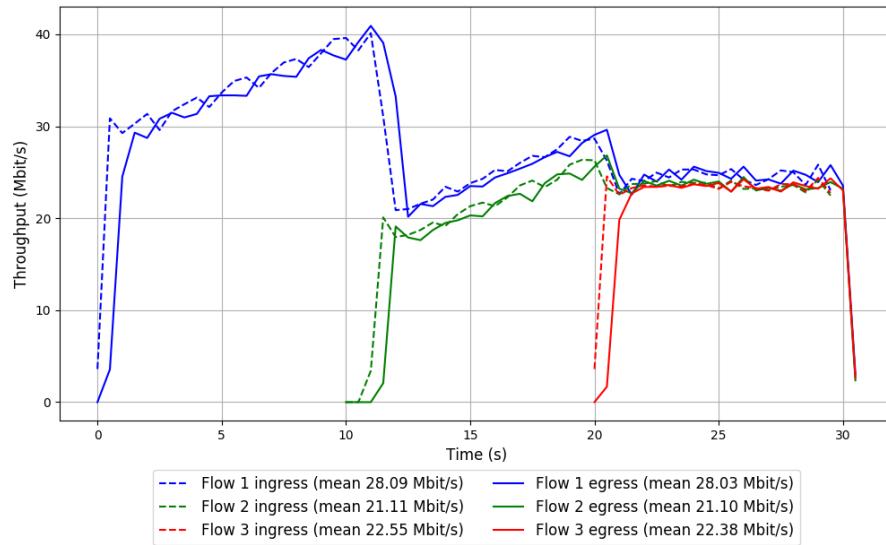


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-18 21:31:46
End at: 2018-06-18 21:32:16
Local clock offset: 8.803 ms
Remote clock offset: -1.739 ms

# Below is generated by plot.py at 2018-06-19 00:13:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.52 Mbit/s
95th percentile per-packet one-way delay: 84.870 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 28.03 Mbit/s
95th percentile per-packet one-way delay: 86.596 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 79.302 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 22.38 Mbit/s
95th percentile per-packet one-way delay: 80.496 ms
Loss rate: 0.77%
```

Run 7: Report of TCP Vegas — Data Link

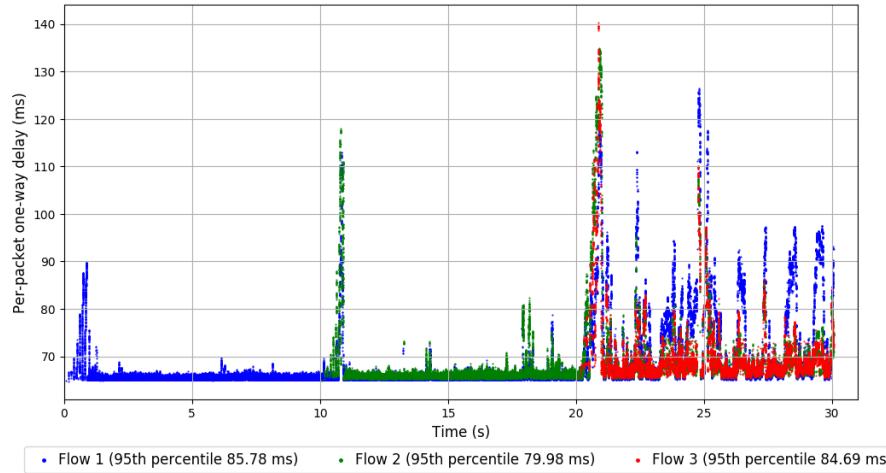
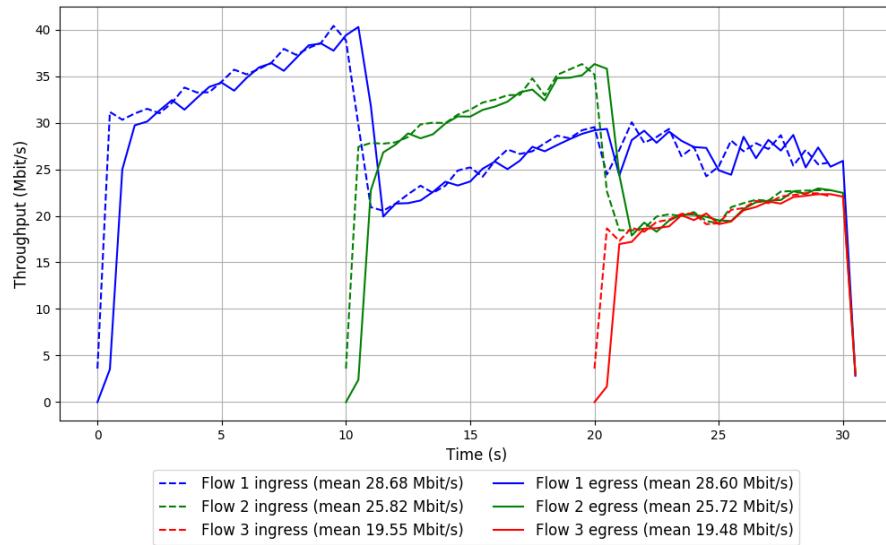


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-18 22:18:43
End at: 2018-06-18 22:19:13
Local clock offset: 6.839 ms
Remote clock offset: -1.175 ms

# Below is generated by plot.py at 2018-06-19 00:14:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.21 Mbit/s
95th percentile per-packet one-way delay: 84.637 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 85.778 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 79.979 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 19.48 Mbit/s
95th percentile per-packet one-way delay: 84.693 ms
Loss rate: 0.34%
```

Run 8: Report of TCP Vegas — Data Link

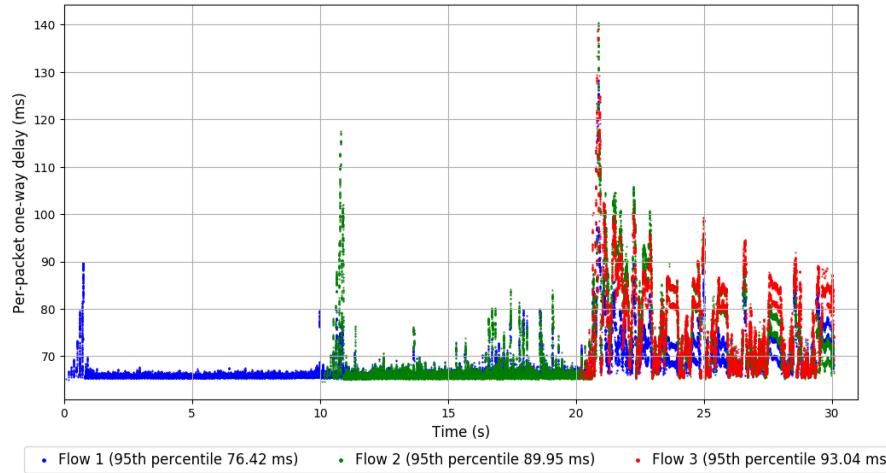
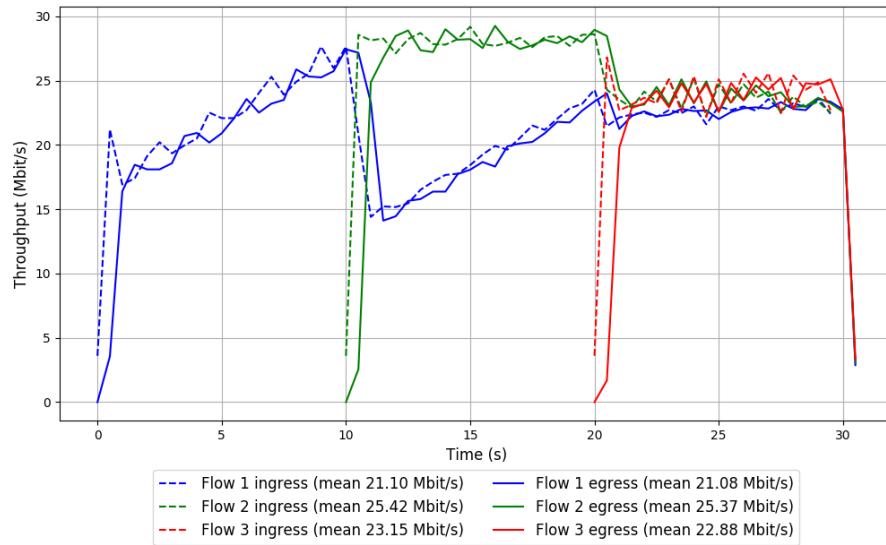


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-18 23:06:21
End at: 2018-06-18 23:06:51
Local clock offset: 5.699 ms
Remote clock offset: -1.122 ms

# Below is generated by plot.py at 2018-06-19 00:14:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.59 Mbit/s
95th percentile per-packet one-way delay: 86.737 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 21.08 Mbit/s
95th percentile per-packet one-way delay: 76.423 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 25.37 Mbit/s
95th percentile per-packet one-way delay: 89.946 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 93.039 ms
Loss rate: 1.07%
```

Run 9: Report of TCP Vegas — Data Link

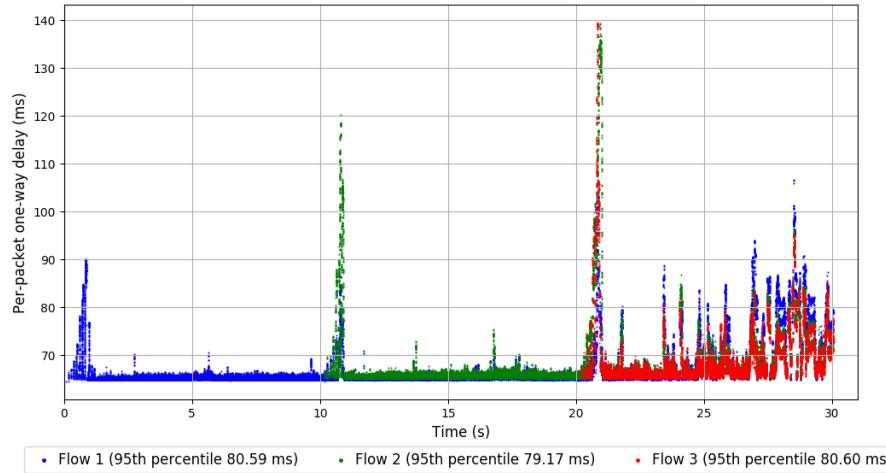
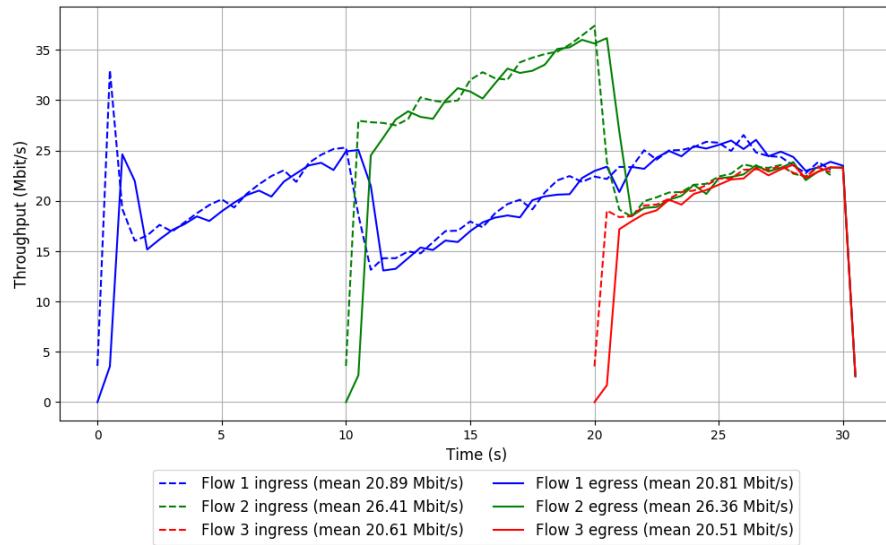


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-18 23:51:56
End at: 2018-06-18 23:52:26
Local clock offset: 4.815 ms
Remote clock offset: -0.654 ms

# Below is generated by plot.py at 2018-06-19 00:14:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.18 Mbit/s
95th percentile per-packet one-way delay: 80.296 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 80.594 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 26.36 Mbit/s
95th percentile per-packet one-way delay: 79.167 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 20.51 Mbit/s
95th percentile per-packet one-way delay: 80.600 ms
Loss rate: 0.47%
```

Run 10: Report of TCP Vegas — Data Link

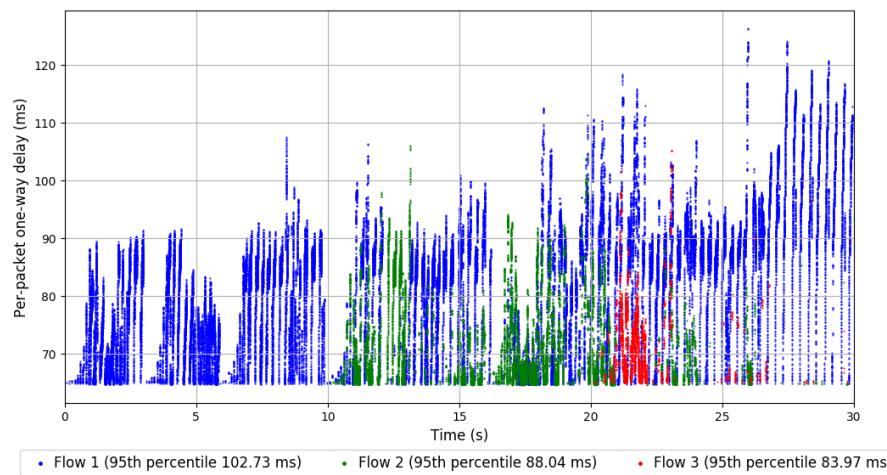
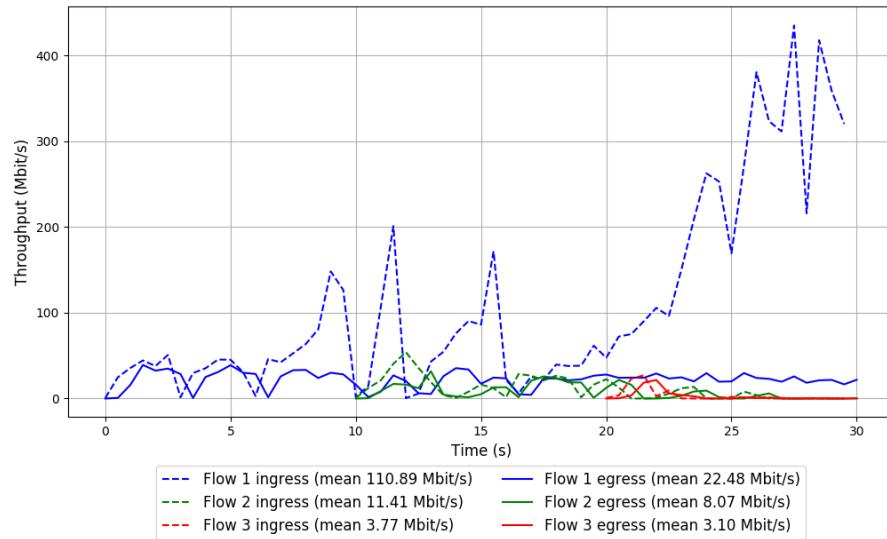


Run 1: Statistics of Verus

```
Start at: 2018-06-18 16:38:46
End at: 2018-06-18 16:39:16
Local clock offset: -5.686 ms
Remote clock offset: -1.066 ms

# Below is generated by plot.py at 2018-06-19 00:14:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.85 Mbit/s
95th percentile per-packet one-way delay: 100.176 ms
Loss rate: 75.87%
-- Flow 1:
Average throughput: 22.48 Mbit/s
95th percentile per-packet one-way delay: 102.729 ms
Loss rate: 79.70%
-- Flow 2:
Average throughput: 8.07 Mbit/s
95th percentile per-packet one-way delay: 88.044 ms
Loss rate: 29.16%
-- Flow 3:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 83.965 ms
Loss rate: 17.51%
```

Run 1: Report of Verus — Data Link

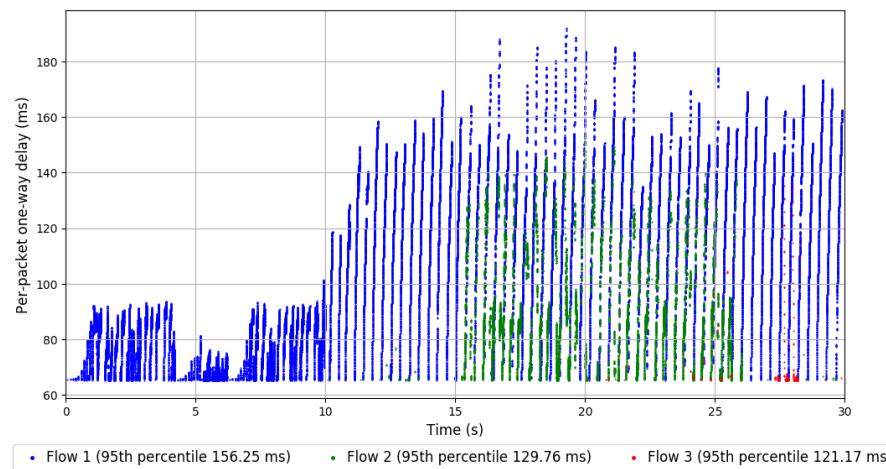
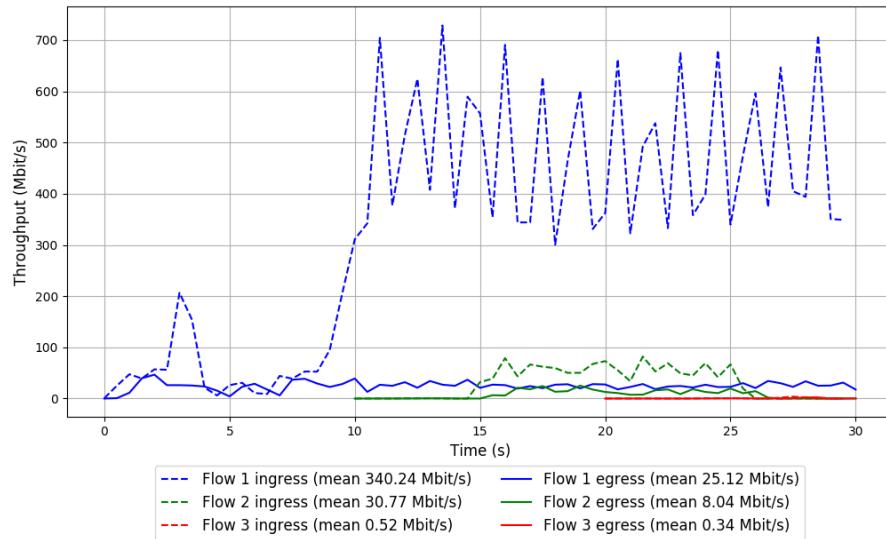


Run 2: Statistics of Verus

```
Start at: 2018-06-18 17:22:42
End at: 2018-06-18 17:23:12
Local clock offset: -2.976 ms
Remote clock offset: -0.459 ms

# Below is generated by plot.py at 2018-06-19 00:15:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.54 Mbit/s
95th percentile per-packet one-way delay: 154.167 ms
Loss rate: 91.51%
-- Flow 1:
Average throughput: 25.12 Mbit/s
95th percentile per-packet one-way delay: 156.252 ms
Loss rate: 92.59%
-- Flow 2:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 129.765 ms
Loss rate: 73.79%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 121.167 ms
Loss rate: 34.43%
```

Run 2: Report of Verus — Data Link

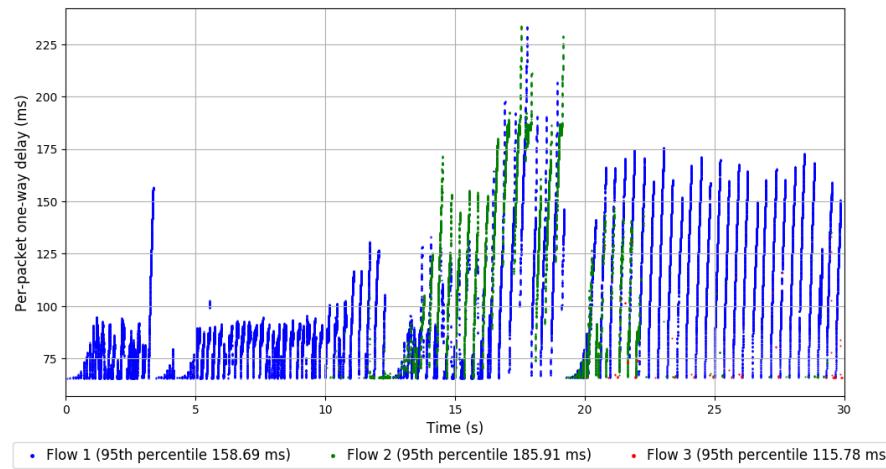
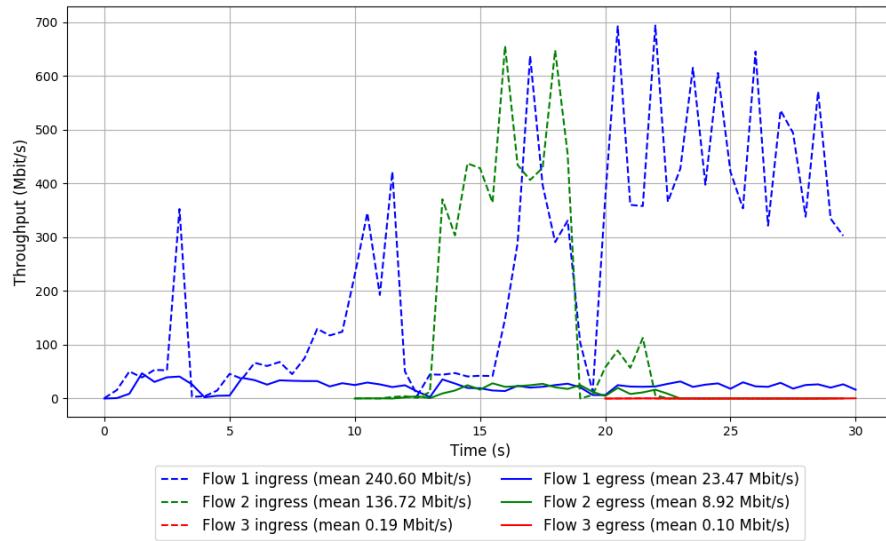


Run 3: Statistics of Verus

```
Start at: 2018-06-18 18:08:50
End at: 2018-06-18 18:09:20
Local clock offset: 3.446 ms
Remote clock offset: -0.922 ms

# Below is generated by plot.py at 2018-06-19 00:15:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.25 Mbit/s
95th percentile per-packet one-way delay: 168.741 ms
Loss rate: 91.08%
-- Flow 1:
Average throughput: 23.47 Mbit/s
95th percentile per-packet one-way delay: 158.690 ms
Loss rate: 90.22%
-- Flow 2:
Average throughput: 8.92 Mbit/s
95th percentile per-packet one-way delay: 185.906 ms
Loss rate: 93.45%
-- Flow 3:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 115.784 ms
Loss rate: 46.20%
```

Run 3: Report of Verus — Data Link

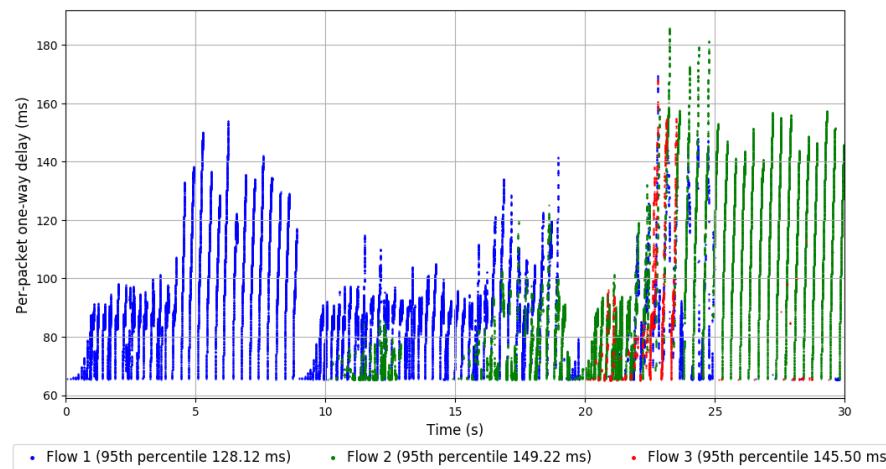
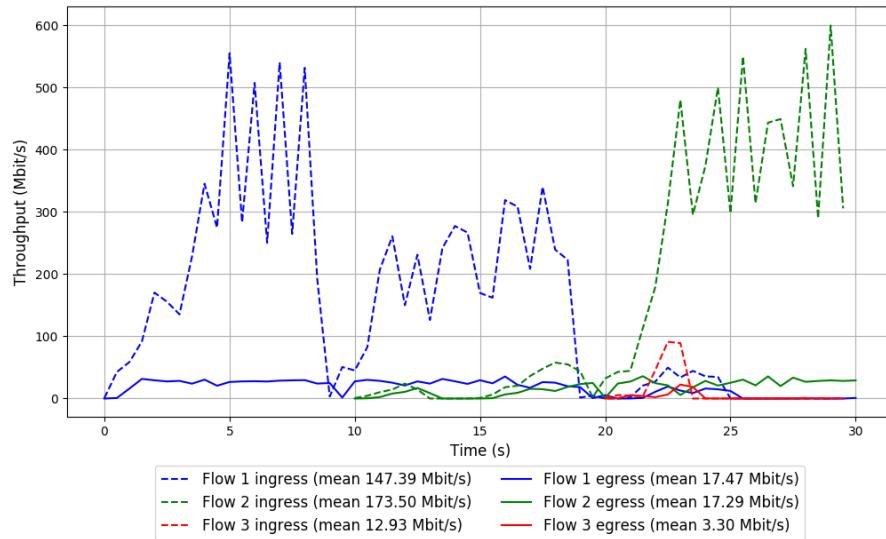


Run 4: Statistics of Verus

```
Start at: 2018-06-18 18:55:34
End at: 2018-06-18 18:56:04
Local clock offset: 7.966 ms
Remote clock offset: -2.001 ms

# Below is generated by plot.py at 2018-06-19 00:15:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.98 Mbit/s
95th percentile per-packet one-way delay: 141.701 ms
Loss rate: 88.73%
-- Flow 1:
Average throughput: 17.47 Mbit/s
95th percentile per-packet one-way delay: 128.118 ms
Loss rate: 88.12%
-- Flow 2:
Average throughput: 17.29 Mbit/s
95th percentile per-packet one-way delay: 149.224 ms
Loss rate: 90.00%
-- Flow 3:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 145.500 ms
Loss rate: 74.78%
```

Run 4: Report of Verus — Data Link

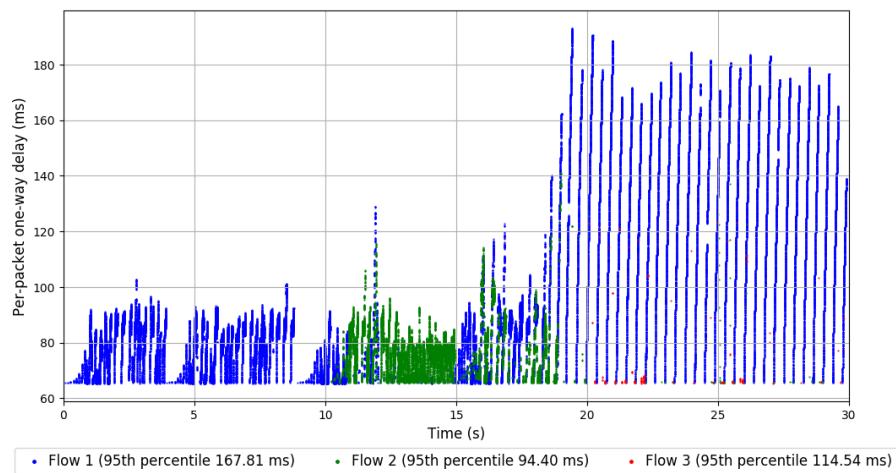
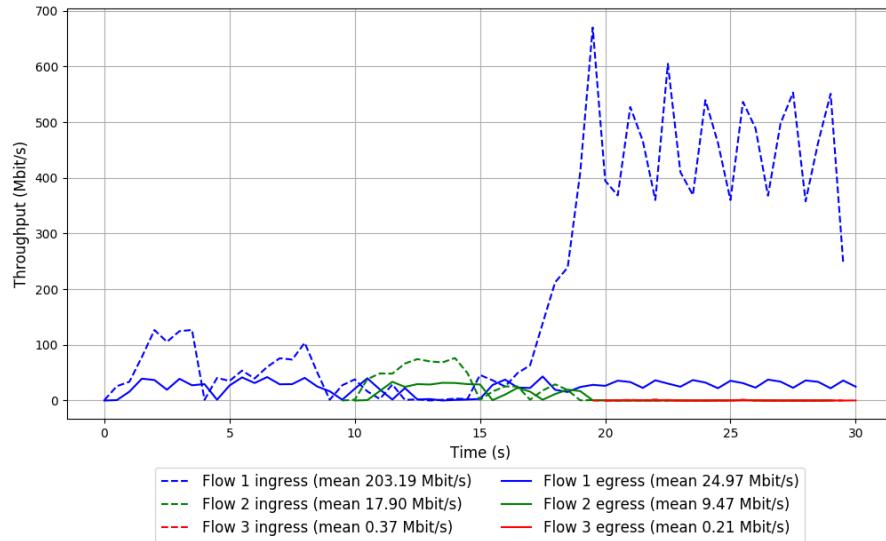


Run 5: Statistics of Verus

```
Start at: 2018-06-18 19:42:41
End at: 2018-06-18 19:43:11
Local clock offset: 0.629 ms
Remote clock offset: -1.778 ms

# Below is generated by plot.py at 2018-06-19 00:15:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 165.098 ms
Loss rate: 85.51%
-- Flow 1:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 167.806 ms
Loss rate: 87.69%
-- Flow 2:
Average throughput: 9.47 Mbit/s
95th percentile per-packet one-way delay: 94.398 ms
Loss rate: 47.42%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 114.543 ms
Loss rate: 42.38%
```

Run 5: Report of Verus — Data Link

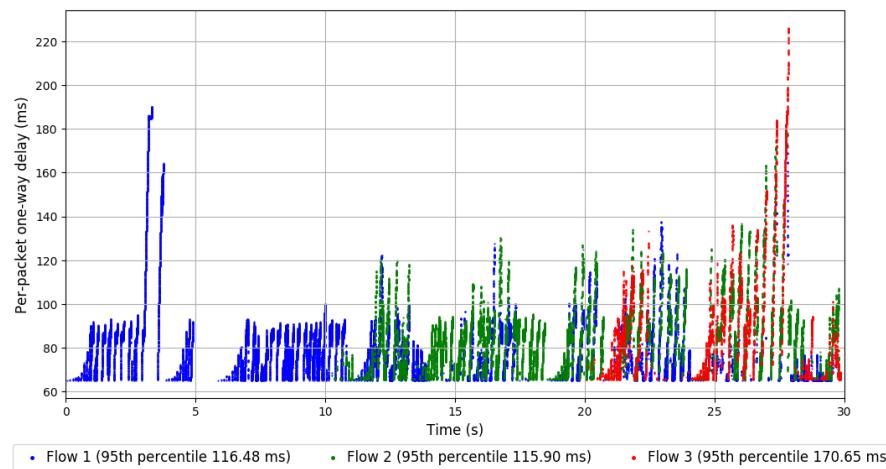
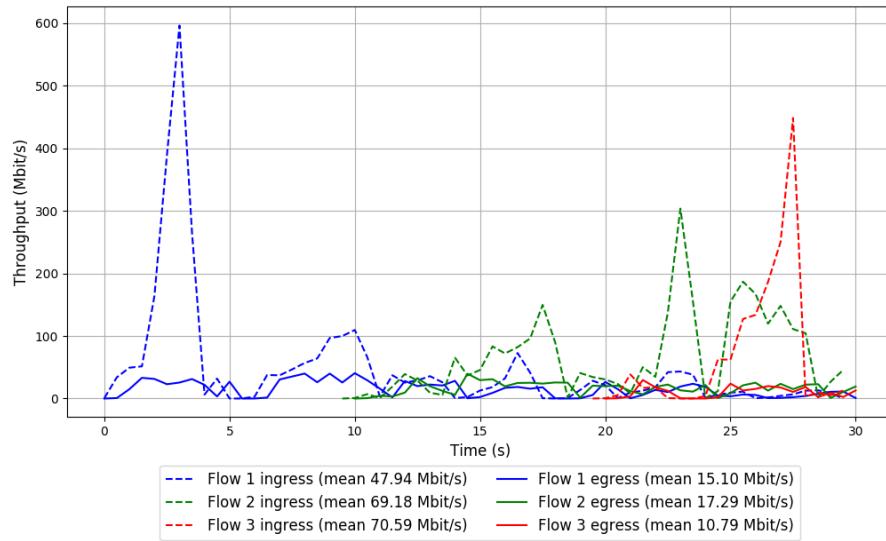


Run 6: Statistics of Verus

```
Start at: 2018-06-18 20:29:35
End at: 2018-06-18 20:30:05
Local clock offset: 5.586 ms
Remote clock offset: -0.265 ms

# Below is generated by plot.py at 2018-06-19 00:15:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 123.766 ms
Loss rate: 74.27%
-- Flow 1:
Average throughput: 15.10 Mbit/s
95th percentile per-packet one-way delay: 116.481 ms
Loss rate: 68.50%
-- Flow 2:
Average throughput: 17.29 Mbit/s
95th percentile per-packet one-way delay: 115.896 ms
Loss rate: 75.00%
-- Flow 3:
Average throughput: 10.79 Mbit/s
95th percentile per-packet one-way delay: 170.651 ms
Loss rate: 84.71%
```

Run 6: Report of Verus — Data Link

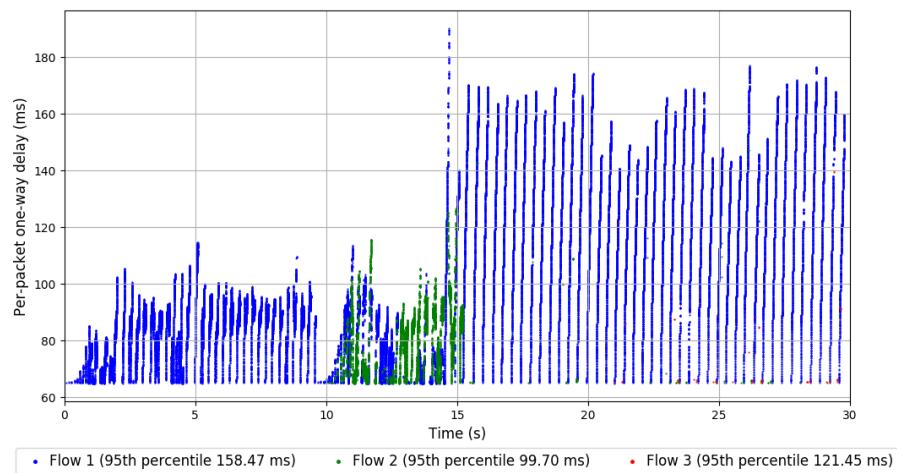
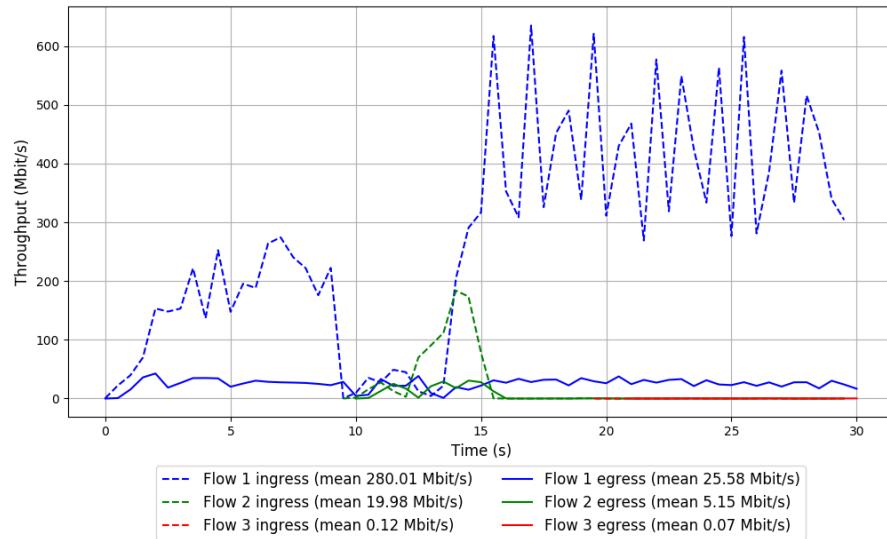


Run 7: Statistics of Verus

```
Start at: 2018-06-18 21:16:07
End at: 2018-06-18 21:16:37
Local clock offset: 8.286 ms
Remote clock offset: -1.371 ms

# Below is generated by plot.py at 2018-06-19 00:15:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 157.305 ms
Loss rate: 90.10%
-- Flow 1:
Average throughput: 25.58 Mbit/s
95th percentile per-packet one-way delay: 158.465 ms
Loss rate: 90.83%
-- Flow 2:
Average throughput: 5.15 Mbit/s
95th percentile per-packet one-way delay: 99.700 ms
Loss rate: 74.38%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 121.448 ms
Loss rate: 49.49%
```

Run 7: Report of Verus — Data Link

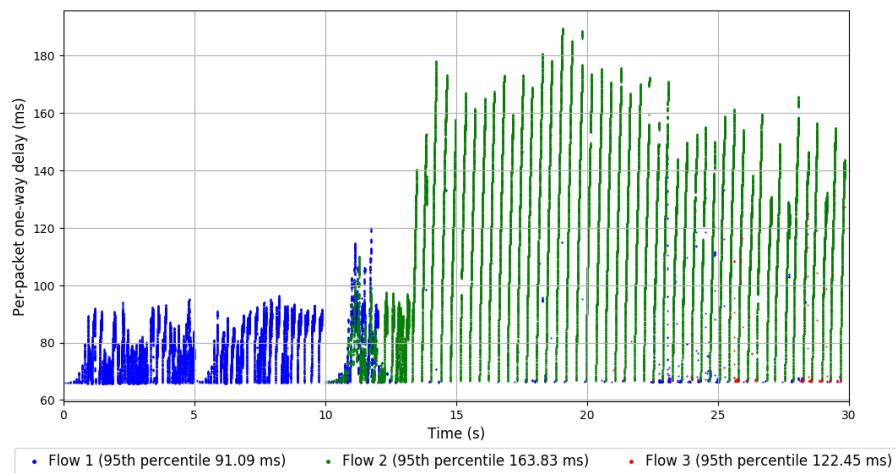
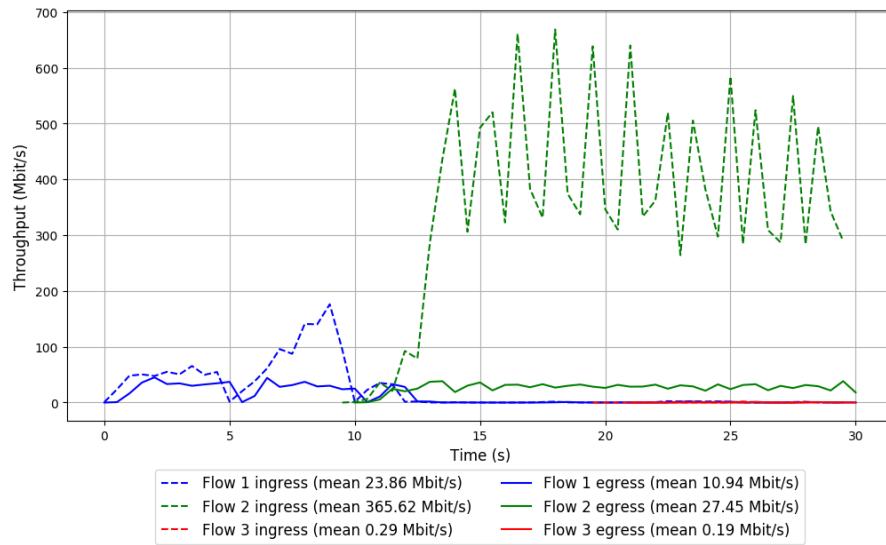


Run 8: Statistics of Verus

```
Start at: 2018-06-18 22:03:01
End at: 2018-06-18 22:03:31
Local clock offset: -2.987 ms
Remote clock offset: -1.667 ms

# Below is generated by plot.py at 2018-06-19 00:15:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.21 Mbit/s
95th percentile per-packet one-way delay: 158.161 ms
Loss rate: 89.04%
-- Flow 1:
Average throughput: 10.94 Mbit/s
95th percentile per-packet one-way delay: 91.094 ms
Loss rate: 54.30%
-- Flow 2:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 163.831 ms
Loss rate: 92.47%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 122.447 ms
Loss rate: 40.42%
```

Run 8: Report of Verus — Data Link

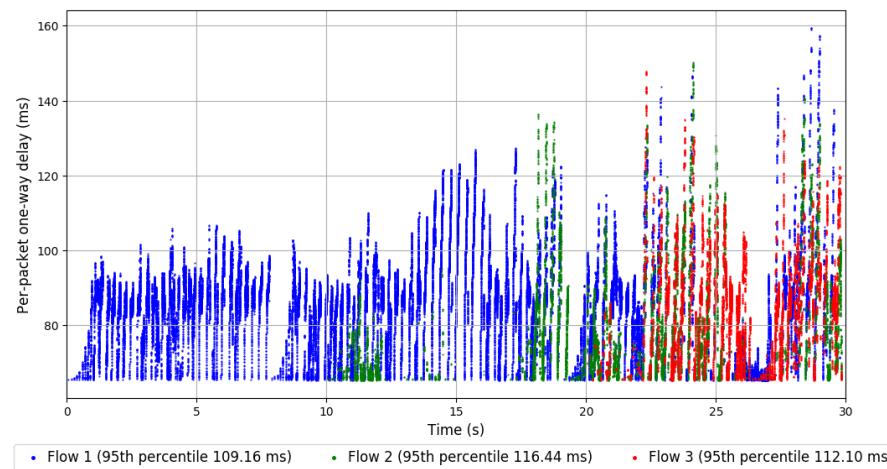
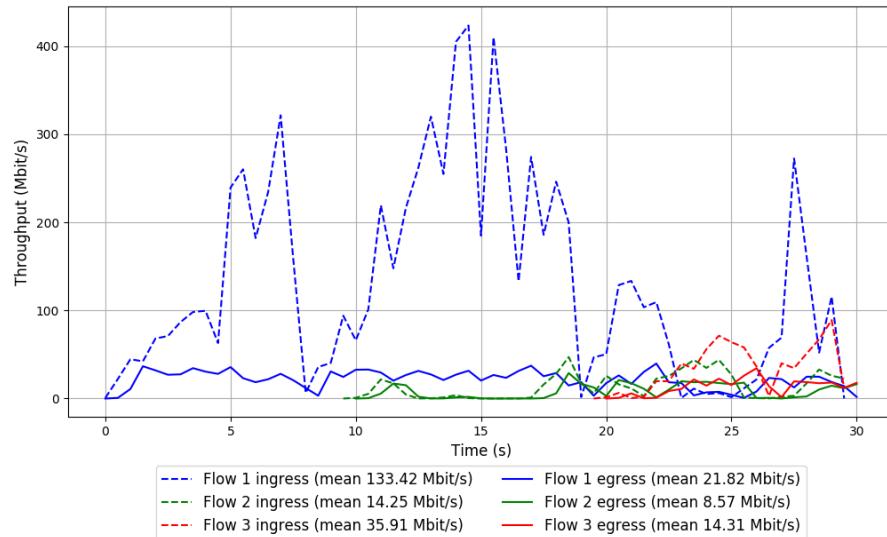


Run 9: Statistics of Verus

```
Start at: 2018-06-18 22:50:32
End at: 2018-06-18 22:51:02
Local clock offset: 4.305 ms
Remote clock offset: -0.579 ms

# Below is generated by plot.py at 2018-06-19 00:15:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 110.927 ms
Loss rate: 79.15%
-- Flow 1:
Average throughput: 21.82 Mbit/s
95th percentile per-packet one-way delay: 109.161 ms
Loss rate: 83.64%
-- Flow 2:
Average throughput: 8.57 Mbit/s
95th percentile per-packet one-way delay: 116.441 ms
Loss rate: 39.84%
-- Flow 3:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: 112.101 ms
Loss rate: 60.17%
```

Run 9: Report of Verus — Data Link

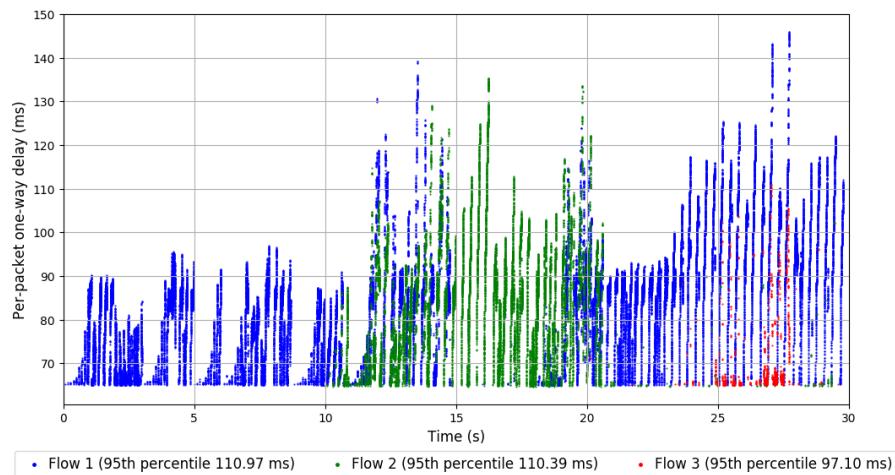
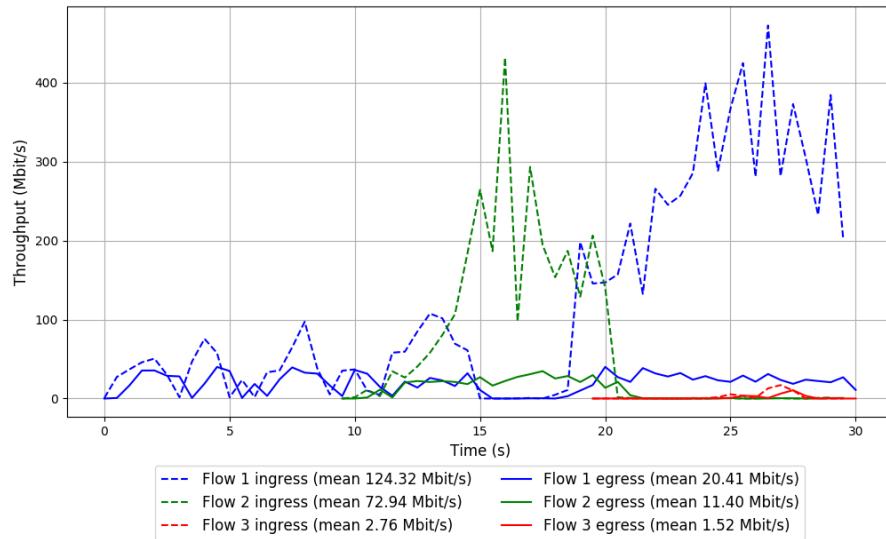


Run 10: Statistics of Verus

```
Start at: 2018-06-18 23:36:10
End at: 2018-06-18 23:36:40
Local clock offset: 6.98 ms
Remote clock offset: -0.898 ms

# Below is generated by plot.py at 2018-06-19 00:15:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 110.709 ms
Loss rate: 83.59%
-- Flow 1:
Average throughput: 20.41 Mbit/s
95th percentile per-packet one-way delay: 110.972 ms
Loss rate: 83.57%
-- Flow 2:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 110.392 ms
Loss rate: 84.34%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 97.100 ms
Loss rate: 45.61%
```

Run 10: Report of Verus — Data Link

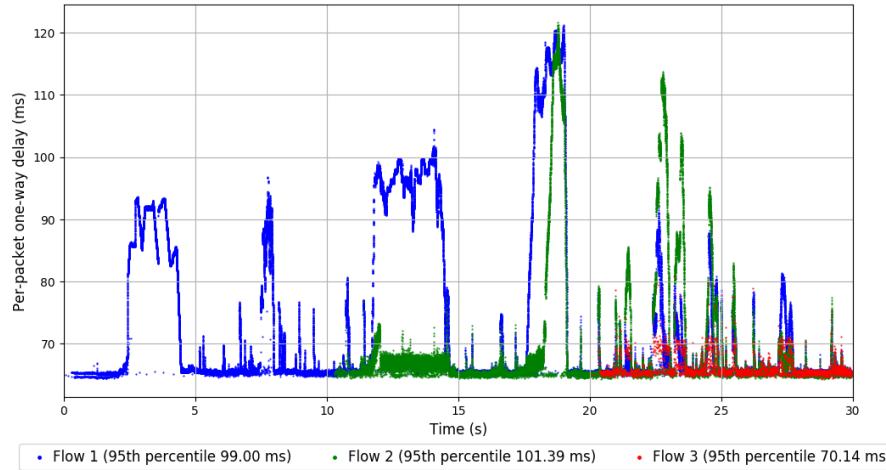
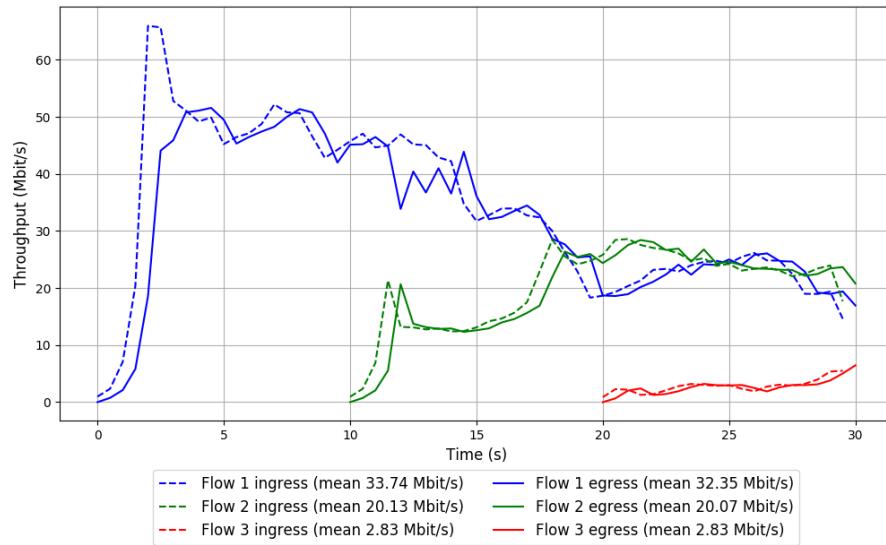


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-06-18 16:47:23
End at: 2018-06-18 16:47:53
Local clock offset: -6.721 ms
Remote clock offset: -0.617 ms

# Below is generated by plot.py at 2018-06-19 00:15:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.63 Mbit/s
95th percentile per-packet one-way delay: 99.102 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 32.35 Mbit/s
95th percentile per-packet one-way delay: 98.997 ms
Loss rate: 4.12%
-- Flow 2:
Average throughput: 20.07 Mbit/s
95th percentile per-packet one-way delay: 101.393 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 2.83 Mbit/s
95th percentile per-packet one-way delay: 70.139 ms
Loss rate: 0.21%
```

Run 1: Report of PCC-Vivace — Data Link

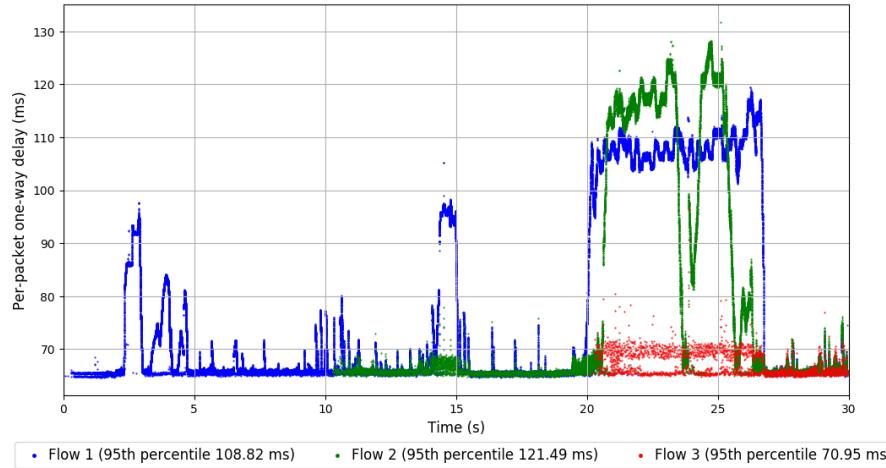
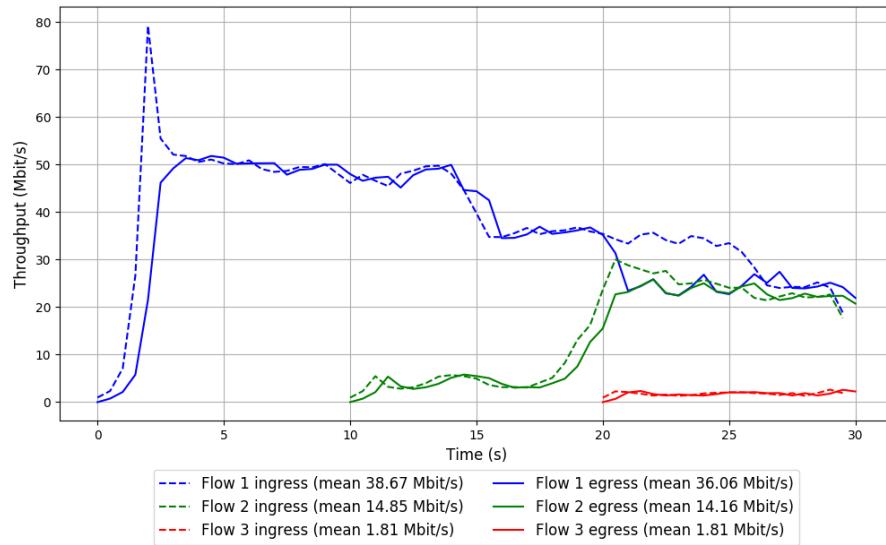


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-18 17:31:19
End at: 2018-06-18 17:31:49
Local clock offset: -2.609 ms
Remote clock offset: -0.381 ms

# Below is generated by plot.py at 2018-06-19 00:15:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.07 Mbit/s
95th percentile per-packet one-way delay: 115.035 ms
Loss rate: 6.21%
-- Flow 1:
Average throughput: 36.06 Mbit/s
95th percentile per-packet one-way delay: 108.820 ms
Loss rate: 6.73%
-- Flow 2:
Average throughput: 14.16 Mbit/s
95th percentile per-packet one-way delay: 121.489 ms
Loss rate: 4.54%
-- Flow 3:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 70.947 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

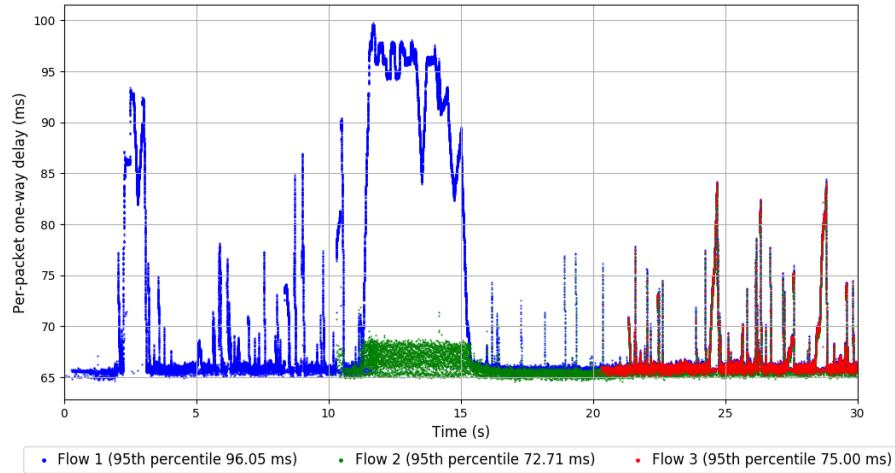
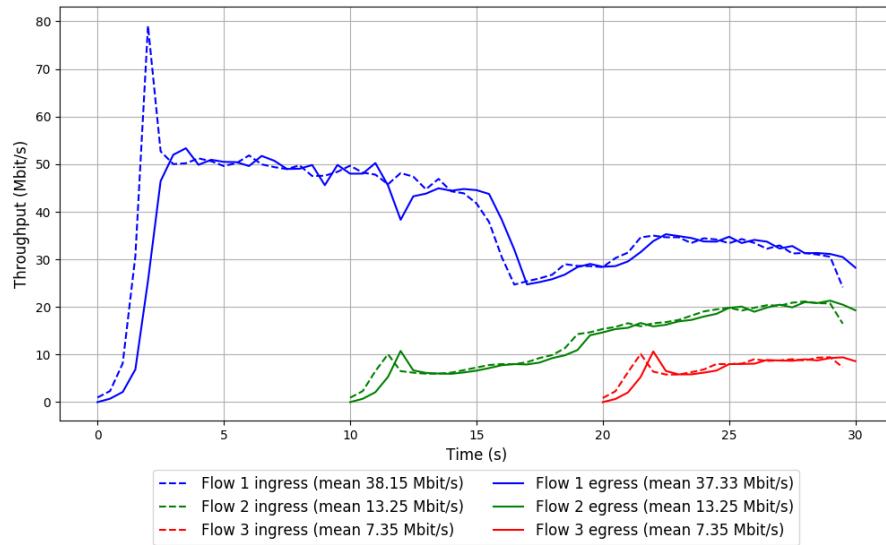


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-18 18:17:22
End at: 2018-06-18 18:17:52
Local clock offset: 7.778 ms
Remote clock offset: -1.026 ms

# Below is generated by plot.py at 2018-06-19 00:15:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.57 Mbit/s
95th percentile per-packet one-way delay: 95.735 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 37.33 Mbit/s
95th percentile per-packet one-way delay: 96.049 ms
Loss rate: 2.15%
-- Flow 2:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 72.706 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 74.997 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Vivace — Data Link

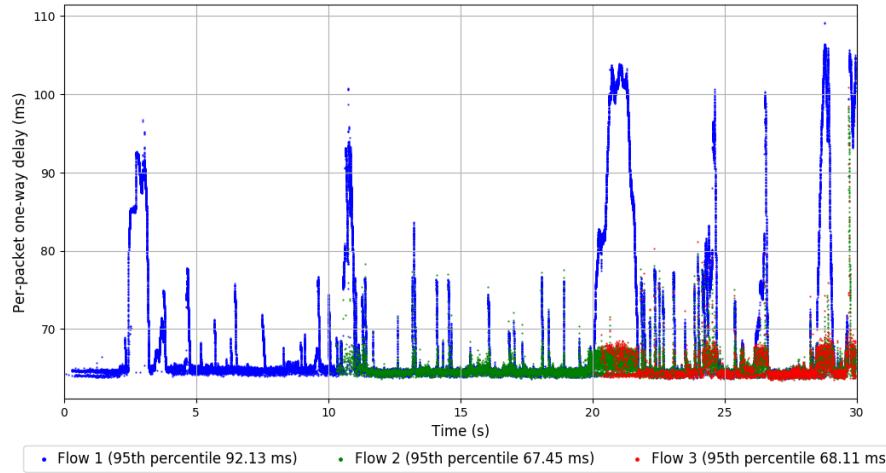
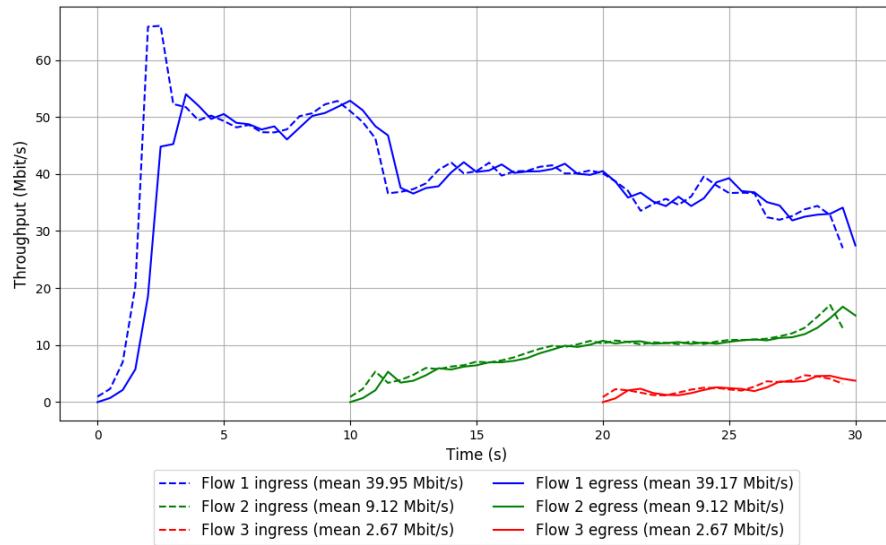


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-18 19:04:02
End at: 2018-06-18 19:04:32
Local clock offset: 5.644 ms
Remote clock offset: -2.336 ms

# Below is generated by plot.py at 2018-06-19 00:15:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.12 Mbit/s
95th percentile per-packet one-way delay: 90.229 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 39.17 Mbit/s
95th percentile per-packet one-way delay: 92.130 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 67.446 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 68.114 ms
Loss rate: 0.04%
```

Run 4: Report of PCC-Vivace — Data Link

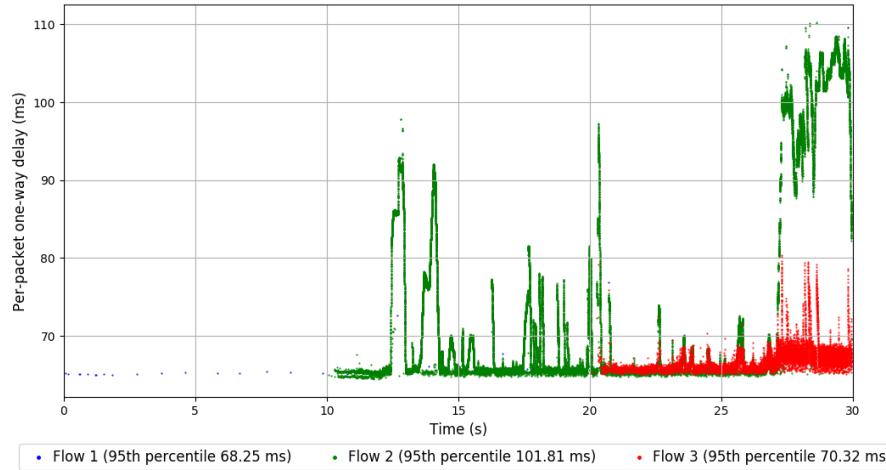
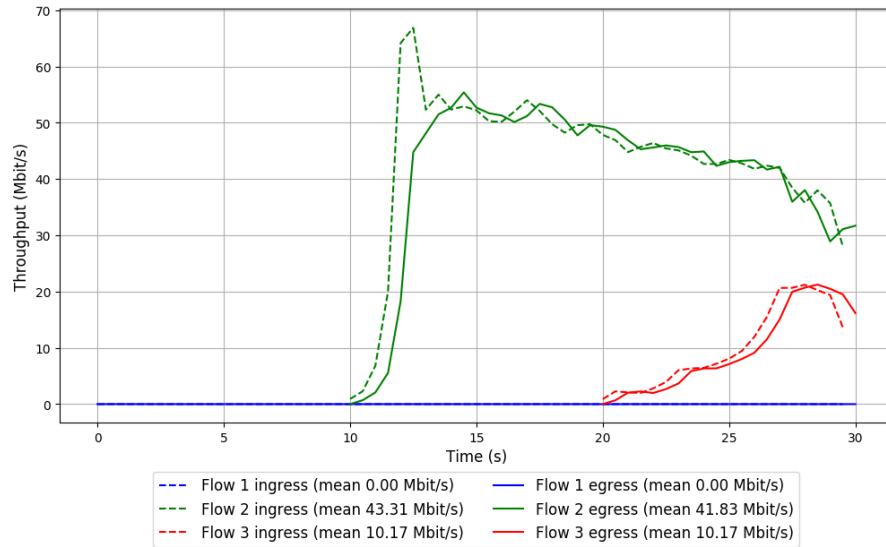


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-18 19:51:22
End at: 2018-06-18 19:51:52
Local clock offset: 2.475 ms
Remote clock offset: -1.766 ms

# Below is generated by plot.py at 2018-06-19 00:15:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 100.437 ms
Loss rate: 3.06%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 68.249 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.83 Mbit/s
95th percentile per-packet one-way delay: 101.811 ms
Loss rate: 3.42%
-- Flow 3:
Average throughput: 10.17 Mbit/s
95th percentile per-packet one-way delay: 70.321 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

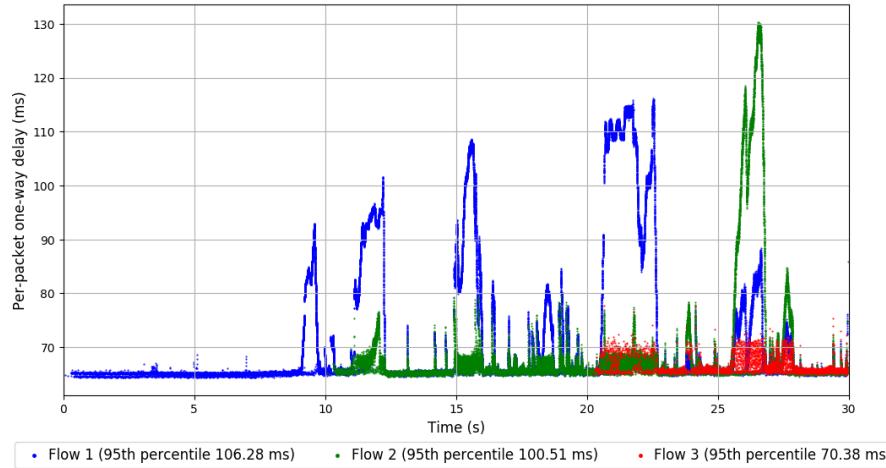
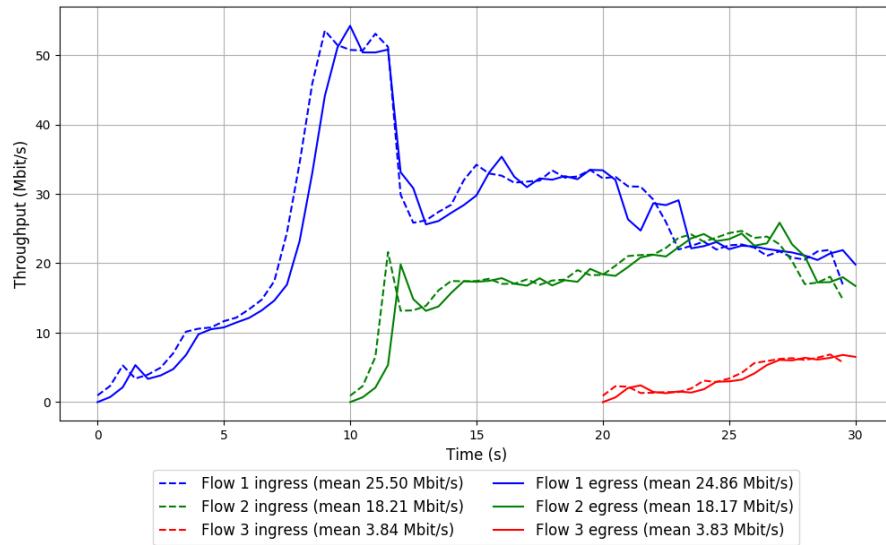


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-18 20:37:46
End at: 2018-06-18 20:38:16
Local clock offset: 6.727 ms
Remote clock offset: -0.448 ms

# Below is generated by plot.py at 2018-06-19 00:15:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 104.046 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 106.280 ms
Loss rate: 2.51%
-- Flow 2:
Average throughput: 18.17 Mbit/s
95th percentile per-packet one-way delay: 100.507 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 70.377 ms
Loss rate: 0.20%
```

Run 6: Report of PCC-Vivace — Data Link

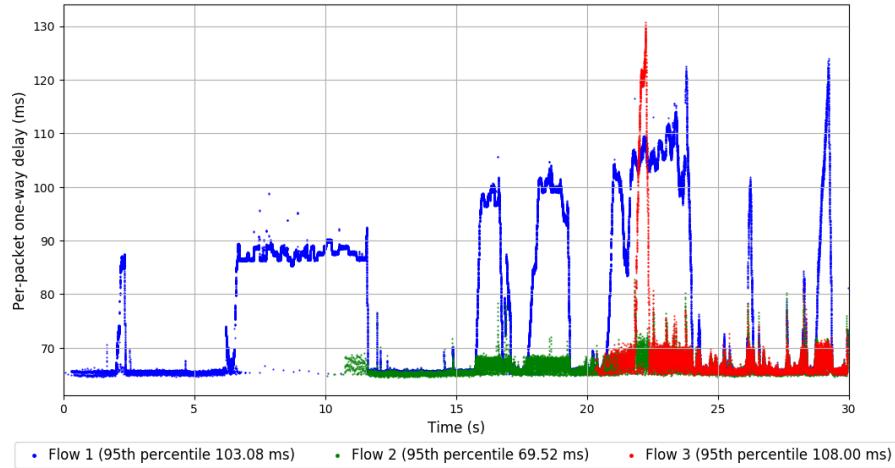
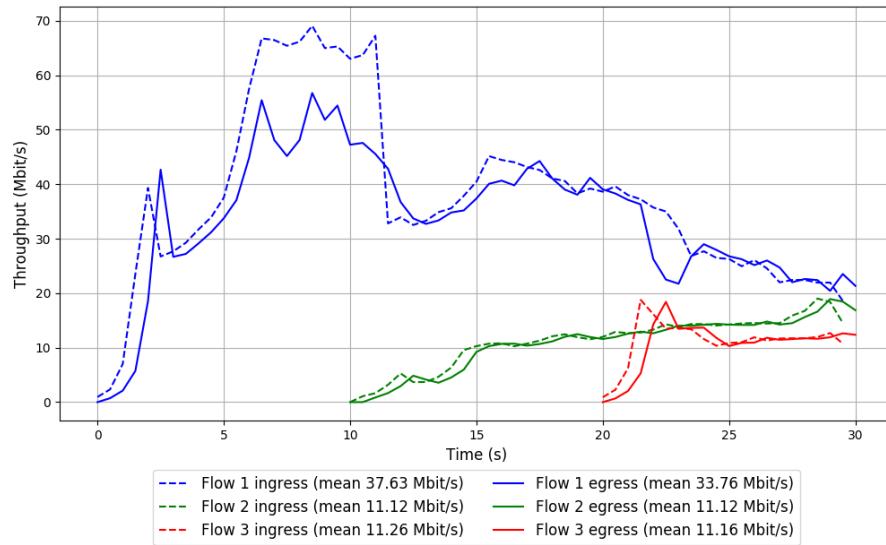


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-18 21:24:35
End at: 2018-06-18 21:25:05
Local clock offset: 8.383 ms
Remote clock offset: -1.62 ms

# Below is generated by plot.py at 2018-06-19 00:16:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.84 Mbit/s
95th percentile per-packet one-way delay: 101.764 ms
Loss rate: 7.96%
-- Flow 1:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 103.079 ms
Loss rate: 10.23%
-- Flow 2:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 69.522 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 107.999 ms
Loss rate: 0.85%
```

Run 7: Report of PCC-Vivace — Data Link

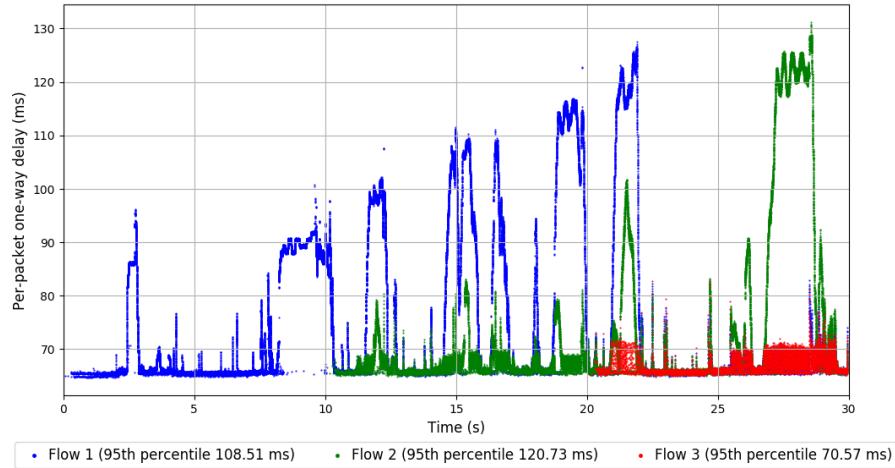
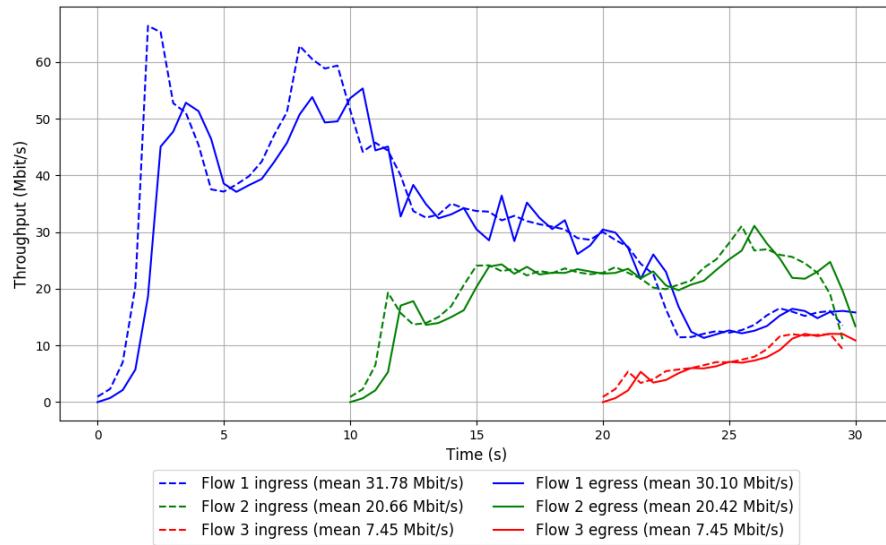


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-18 22:11:27
End at: 2018-06-18 22:11:57
Local clock offset: 4.061 ms
Remote clock offset: -1.648 ms

# Below is generated by plot.py at 2018-06-19 00:16:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.15 Mbit/s
95th percentile per-packet one-way delay: 111.418 ms
Loss rate: 3.81%
-- Flow 1:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 108.513 ms
Loss rate: 5.26%
-- Flow 2:
Average throughput: 20.42 Mbit/s
95th percentile per-packet one-way delay: 120.726 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 7.45 Mbit/s
95th percentile per-packet one-way delay: 70.569 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Vivace — Data Link

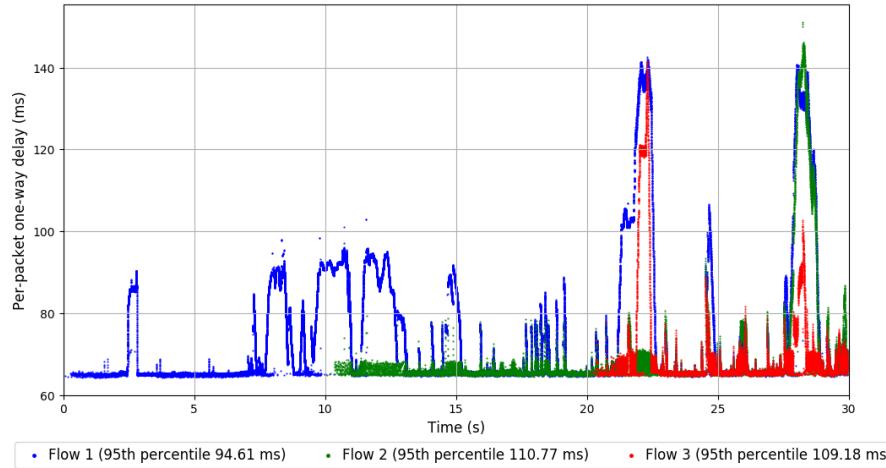
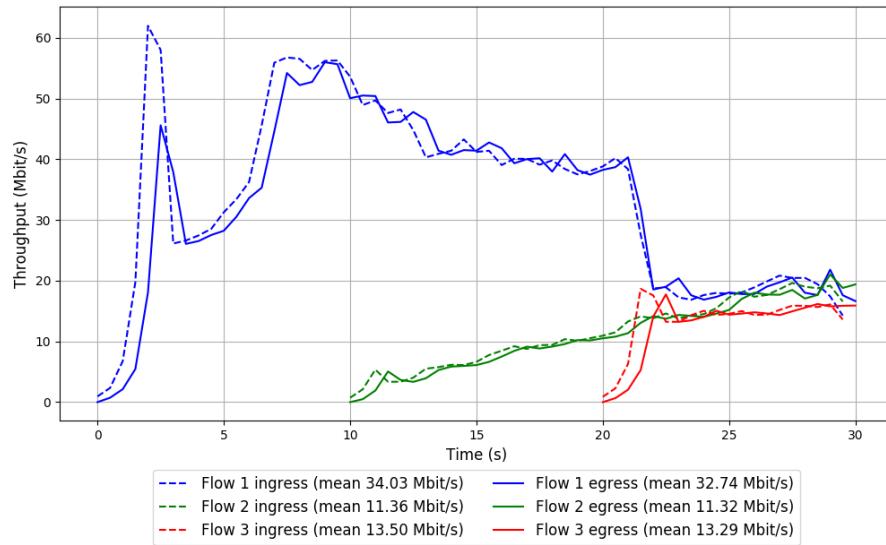


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-18 22:59:08
End at: 2018-06-18 22:59:38
Local clock offset: 4.205 ms
Remote clock offset: -1.143 ms

# Below is generated by plot.py at 2018-06-19 00:16:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.66 Mbit/s
95th percentile per-packet one-way delay: 96.100 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 32.74 Mbit/s
95th percentile per-packet one-way delay: 94.607 ms
Loss rate: 3.78%
-- Flow 2:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 110.772 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 109.184 ms
Loss rate: 1.46%
```

Run 9: Report of PCC-Vivace — Data Link

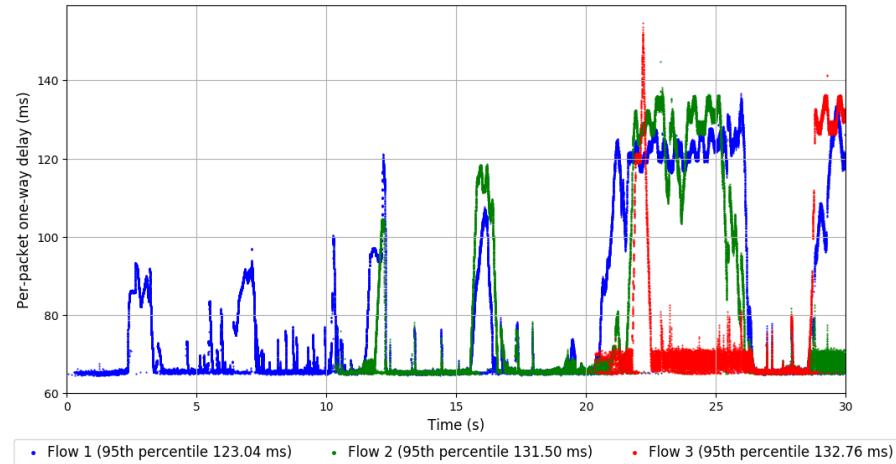
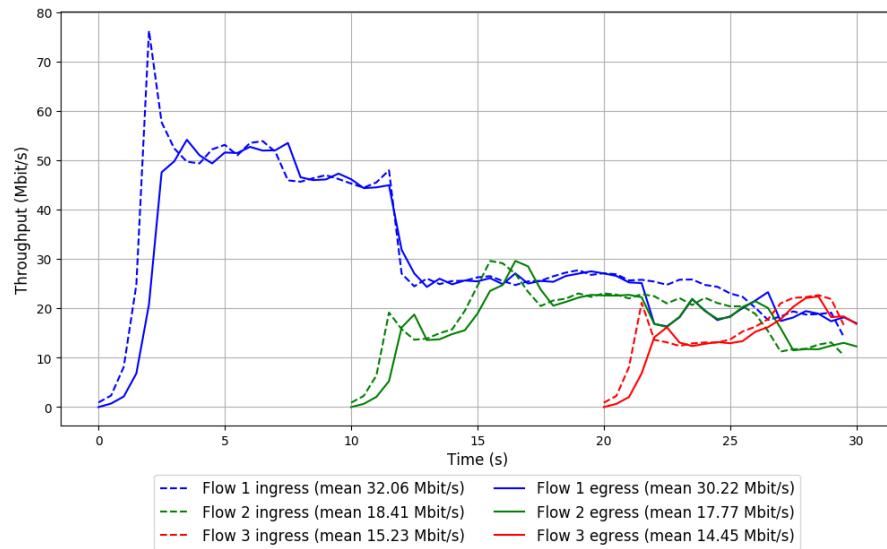


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-18 23:44:52
End at: 2018-06-18 23:45:22
Local clock offset: 5.161 ms
Remote clock offset: -0.782 ms

# Below is generated by plot.py at 2018-06-19 00:16:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.80 Mbit/s
95th percentile per-packet one-way delay: 127.210 ms
Loss rate: 5.09%
-- Flow 1:
Average throughput: 30.22 Mbit/s
95th percentile per-packet one-way delay: 123.039 ms
Loss rate: 5.71%
-- Flow 2:
Average throughput: 17.77 Mbit/s
95th percentile per-packet one-way delay: 131.505 ms
Loss rate: 3.48%
-- Flow 3:
Average throughput: 14.45 Mbit/s
95th percentile per-packet one-way delay: 132.761 ms
Loss rate: 5.09%
```

Run 10: Report of PCC-Vivace — Data Link

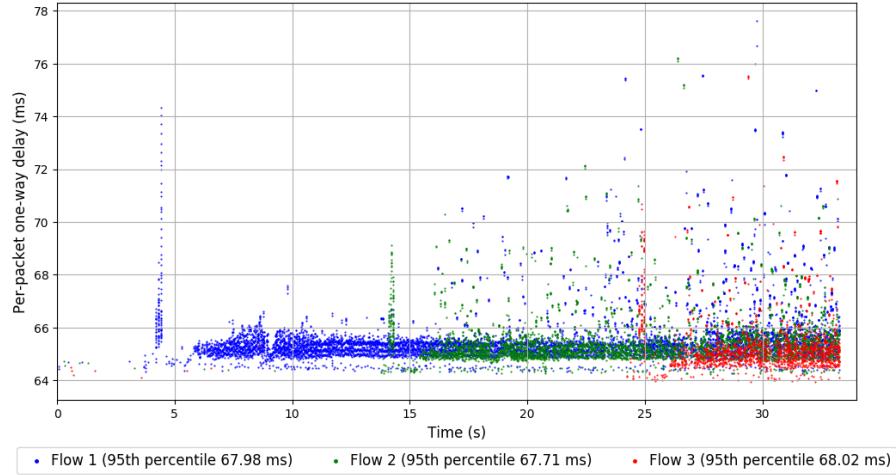
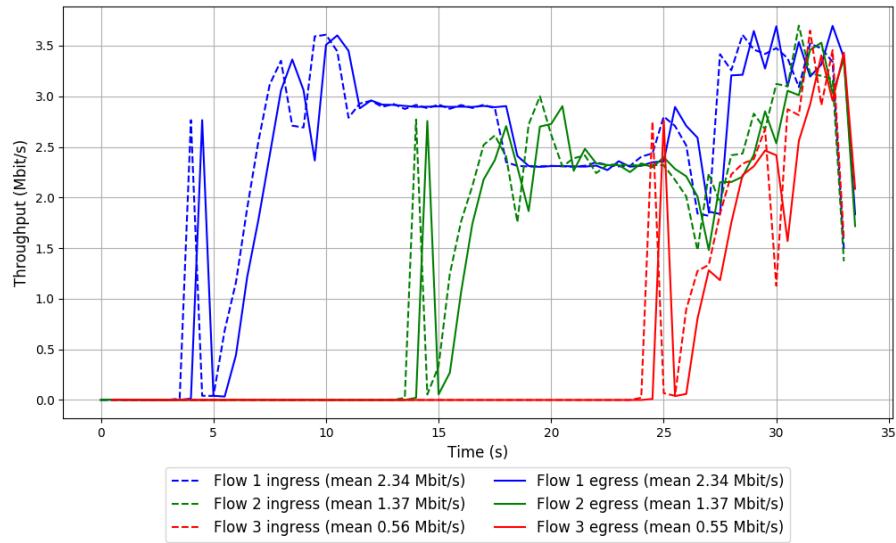


Run 1: Statistics of WebRTC media

```
Start at: 2018-06-18 16:41:37
End at: 2018-06-18 16:42:07
Local clock offset: -5.934 ms
Remote clock offset: -0.89 ms

# Below is generated by plot.py at 2018-06-19 00:16:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 67.909 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 67.984 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 67.707 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 68.016 ms
Loss rate: 0.10%
```

Run 1: Report of WebRTC media — Data Link

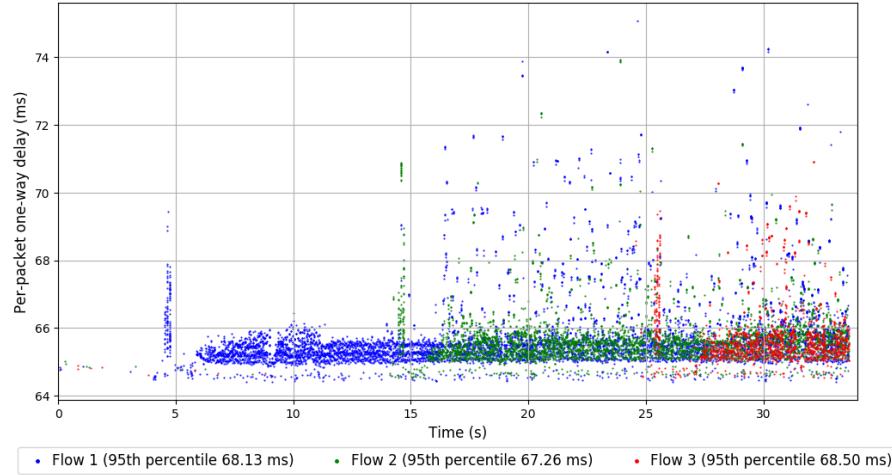
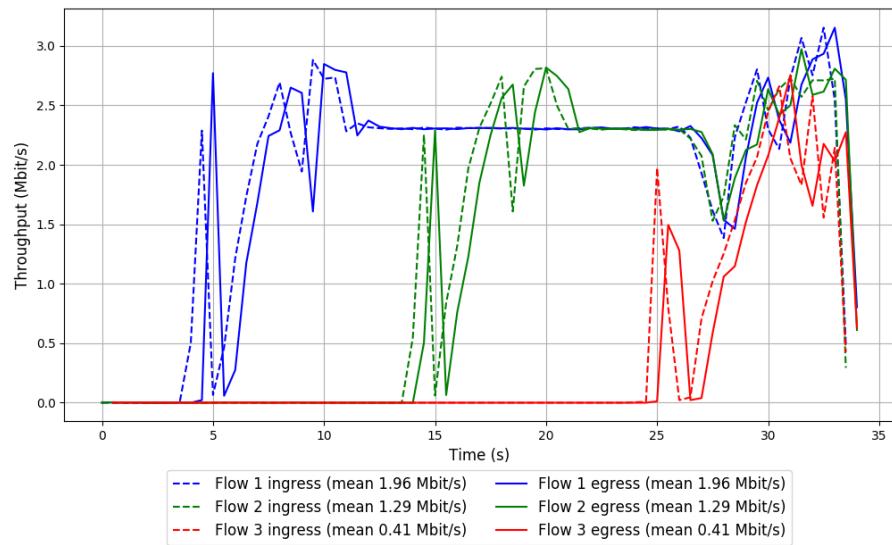


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-18 17:25:35
End at: 2018-06-18 17:26:05
Local clock offset: -2.566 ms
Remote clock offset: -0.384 ms

# Below is generated by plot.py at 2018-06-19 00:16:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 67.949 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 68.129 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 67.258 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 68.495 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

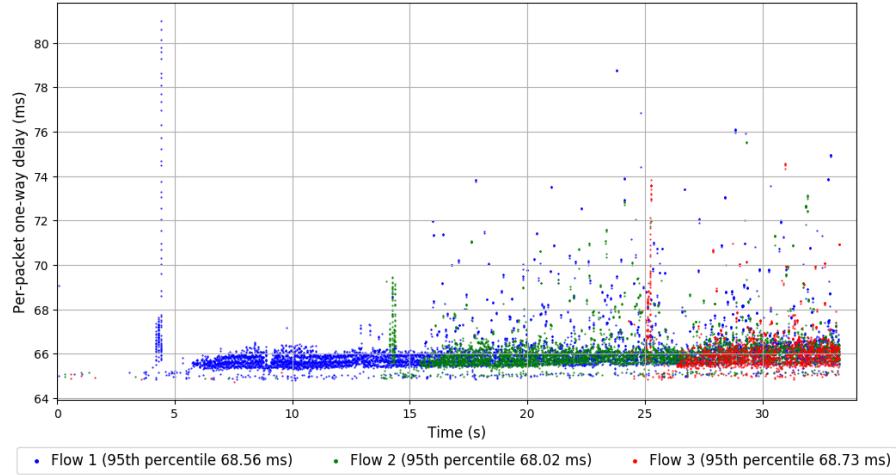
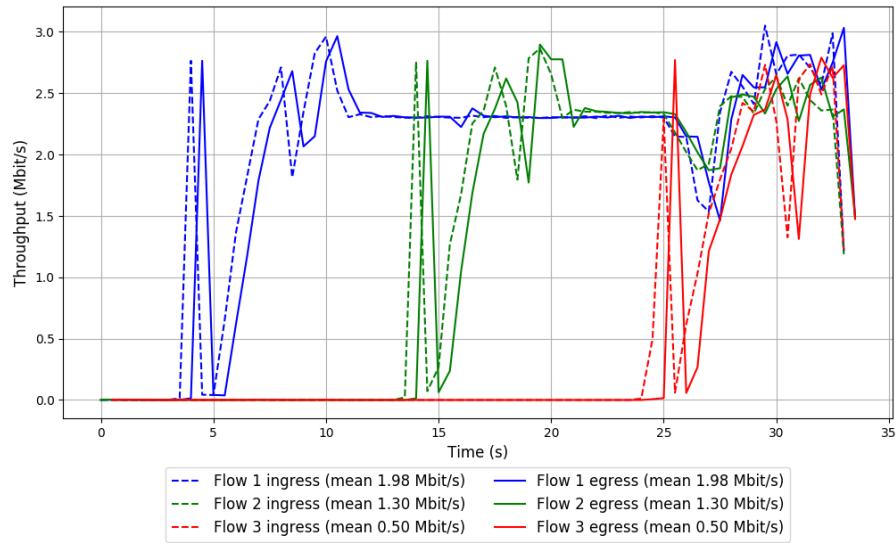


```
Run 3: Statistics of WebRTC media

Start at: 2018-06-18 18:11:39
End at: 2018-06-18 18:12:09
Local clock offset: 5.093 ms
Remote clock offset: -0.989 ms

# Below is generated by plot.py at 2018-06-19 00:16:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 68.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 68.556 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 68.020 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 68.732 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

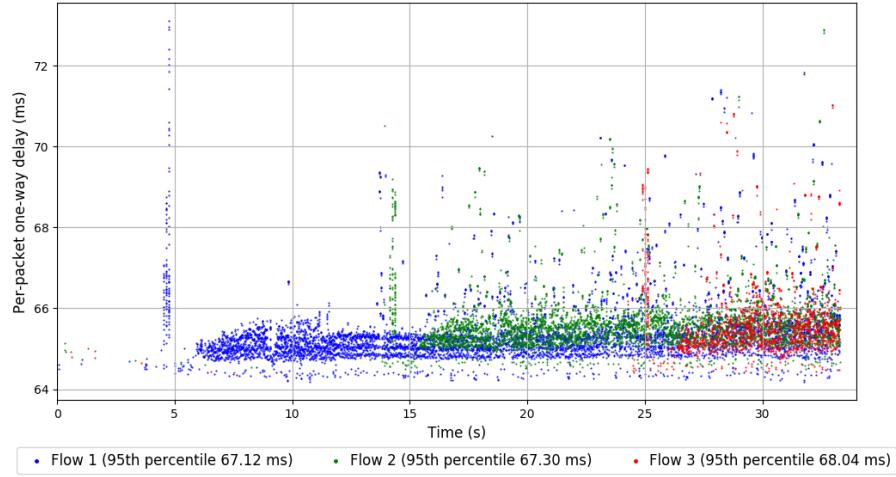
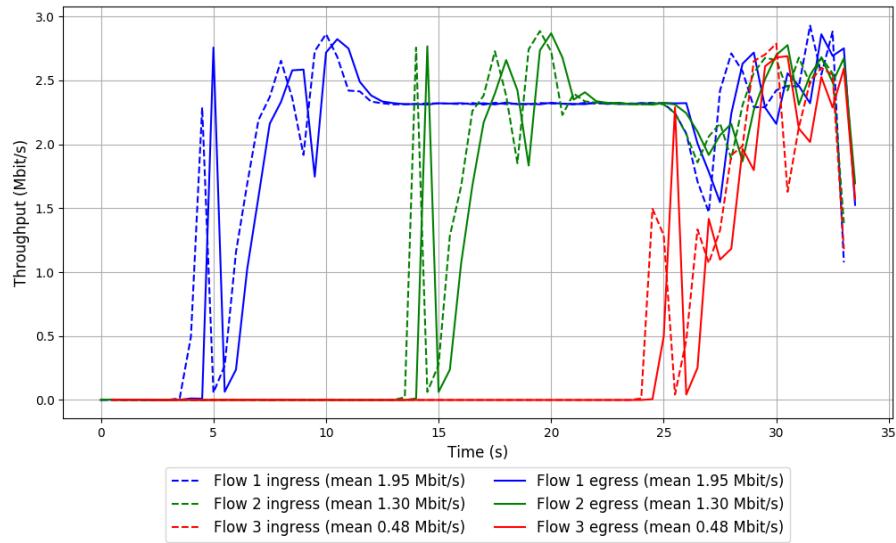


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-18 18:58:20
End at: 2018-06-18 18:58:50
Local clock offset: 8.355 ms
Remote clock offset: -2.17 ms

# Below is generated by plot.py at 2018-06-19 00:16:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 67.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 67.124 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 67.302 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 68.038 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

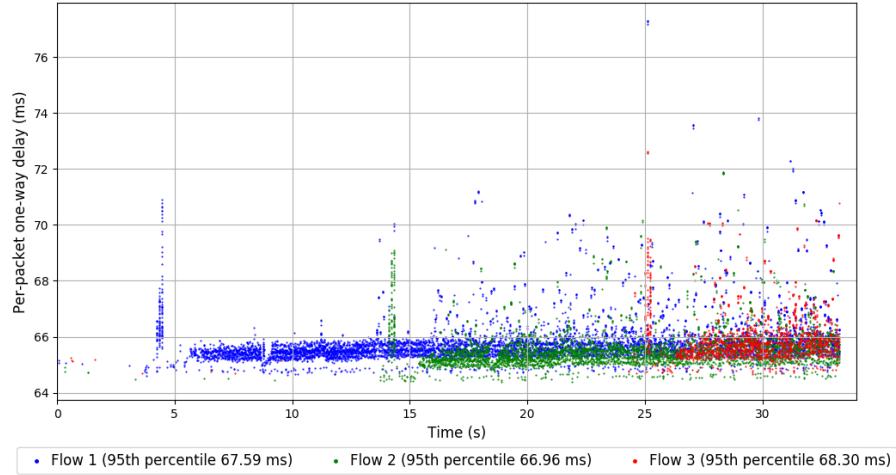
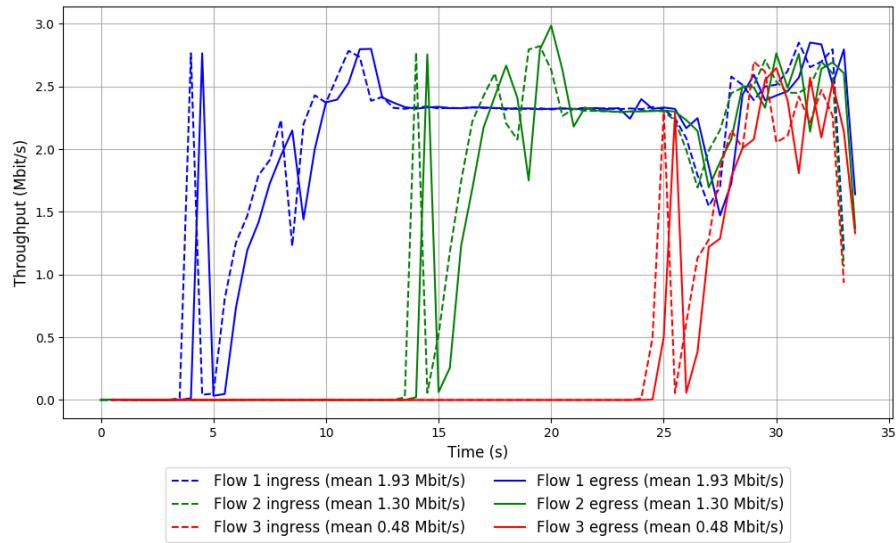


Run 5: Statistics of WebRTC media

```
Start at: 2018-06-18 19:45:35
End at: 2018-06-18 19:46:05
Local clock offset: 1.592 ms
Remote clock offset: -1.862 ms

# Below is generated by plot.py at 2018-06-19 00:16:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 67.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 67.586 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 66.956 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 68.295 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

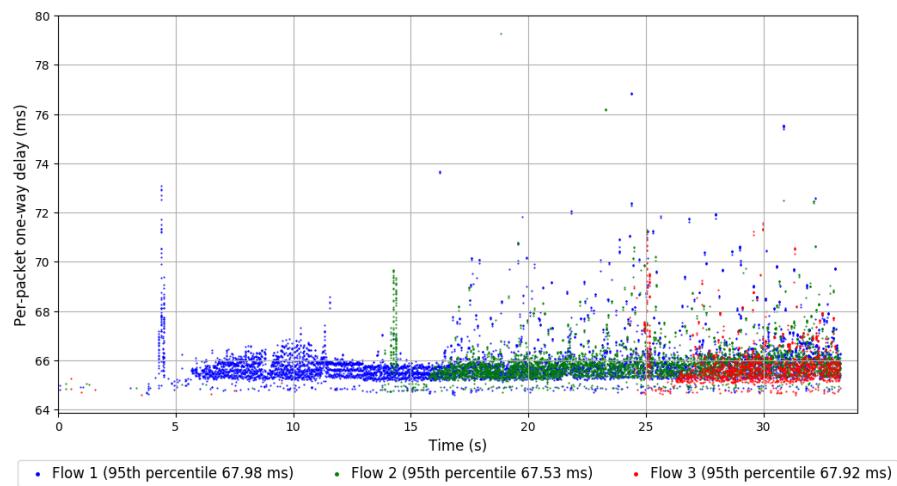
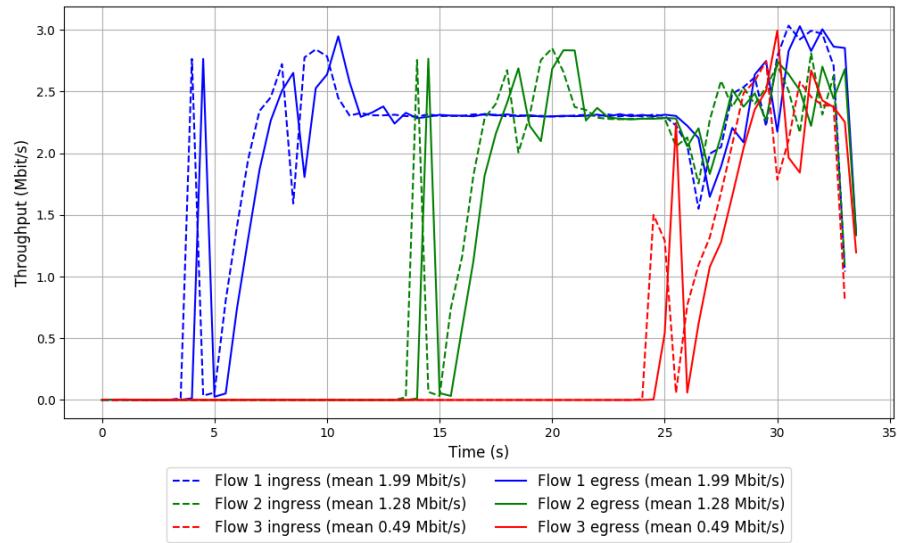


```
Run 6: Statistics of WebRTC media

Start at: 2018-06-18 20:32:25
End at: 2018-06-18 20:32:55
Local clock offset: 5.88 ms
Remote clock offset: -0.247 ms

# Below is generated by plot.py at 2018-06-19 00:16:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 67.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 67.980 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 67.525 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 67.925 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

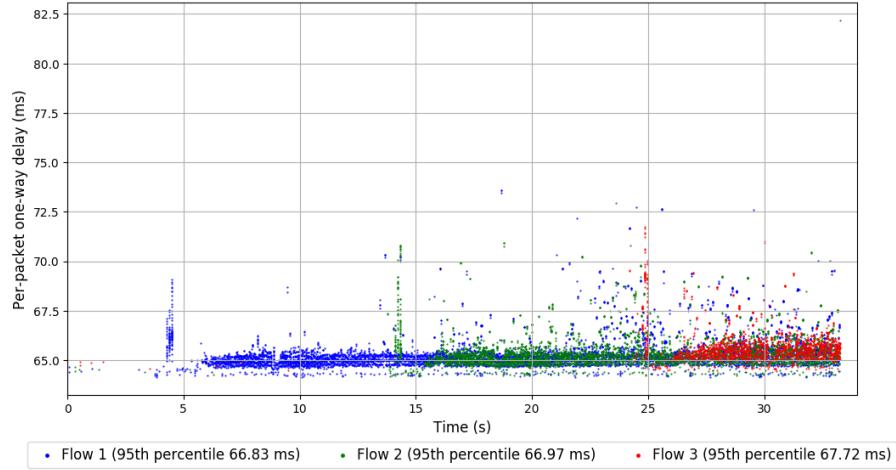
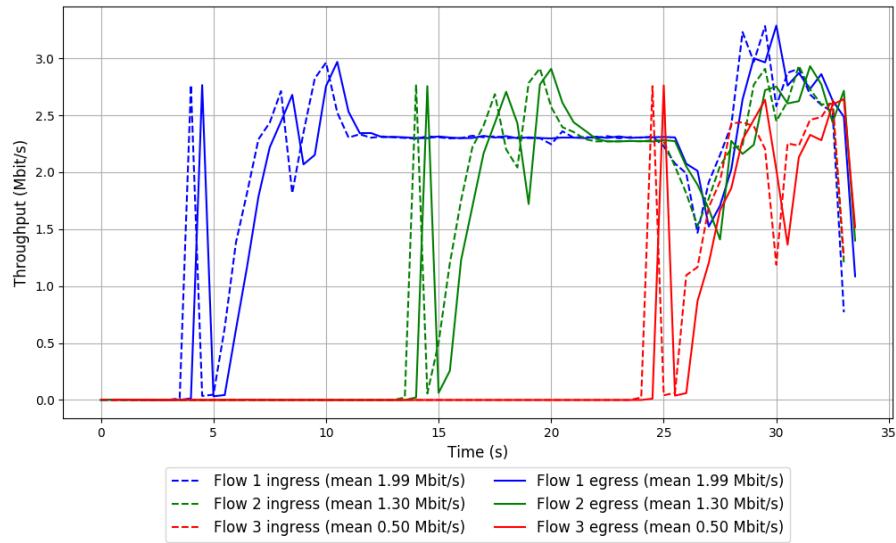


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-18 21:18:51
End at: 2018-06-18 21:19:21
Local clock offset: 8.424 ms
Remote clock offset: -1.447 ms

# Below is generated by plot.py at 2018-06-19 00:16:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 67.021 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 66.828 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 66.971 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 67.721 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

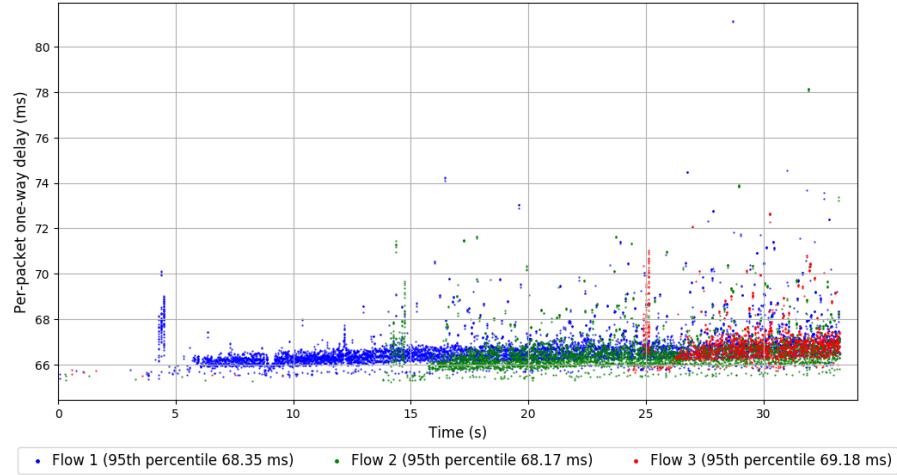
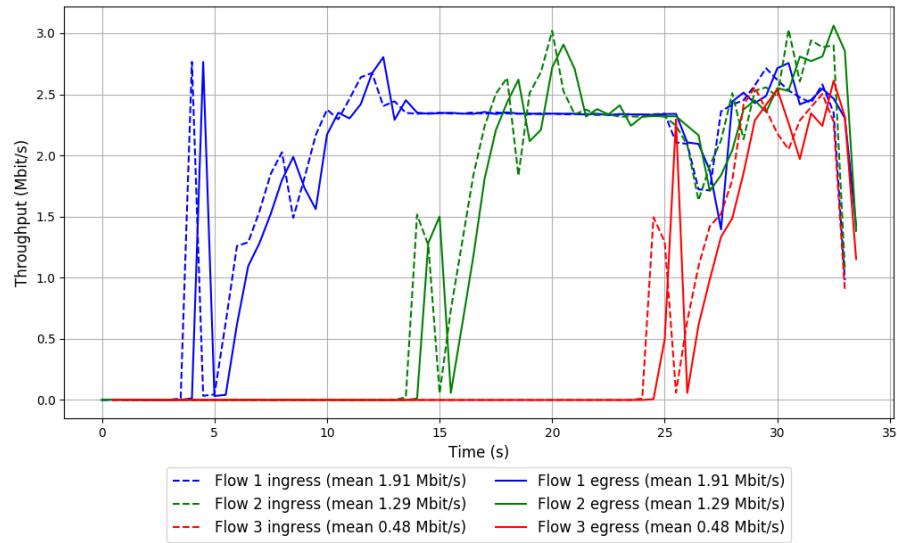


Run 8: Statistics of WebRTC media

```
Start at: 2018-06-18 22:05:46
End at: 2018-06-18 22:06:16
Local clock offset: -0.216 ms
Remote clock offset: -1.734 ms

# Below is generated by plot.py at 2018-06-19 00:16:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 68.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 68.353 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 68.168 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 69.182 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

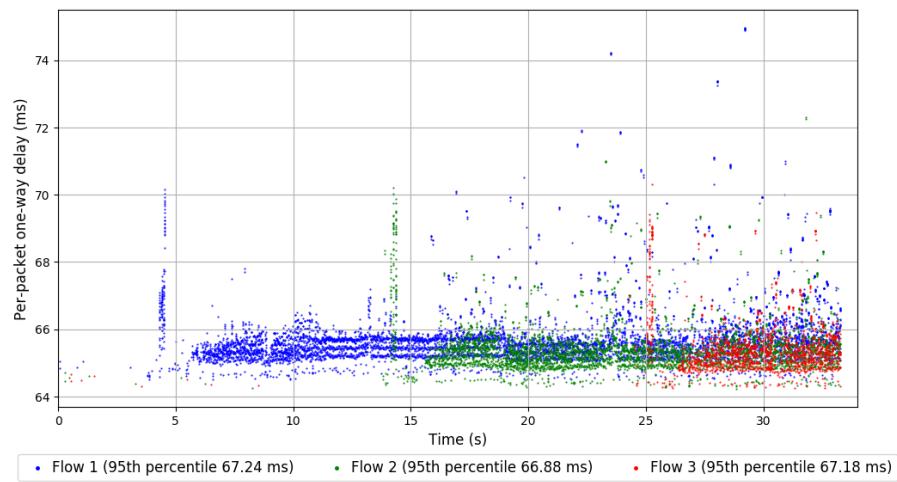
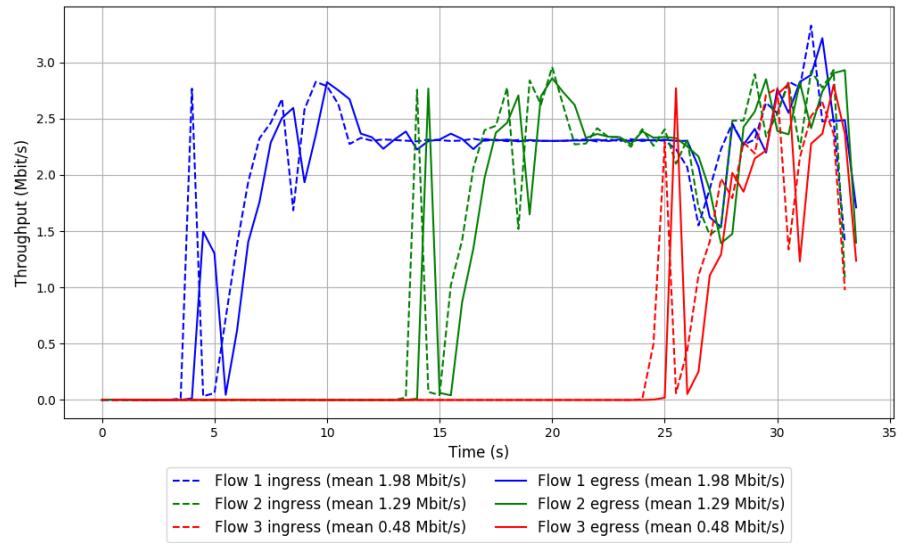


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-18 22:53:26
End at: 2018-06-18 22:53:56
Local clock offset: 4.291 ms
Remote clock offset: -0.867 ms

# Below is generated by plot.py at 2018-06-19 00:16:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 67.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 67.238 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 66.875 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 67.183 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-06-18 23:39:02
End at: 2018-06-18 23:39:32
Local clock offset: 6.167 ms
Remote clock offset: -0.839 ms

# Below is generated by plot.py at 2018-06-19 00:16:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 67.474 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 67.678 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 66.933 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 67.897 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

