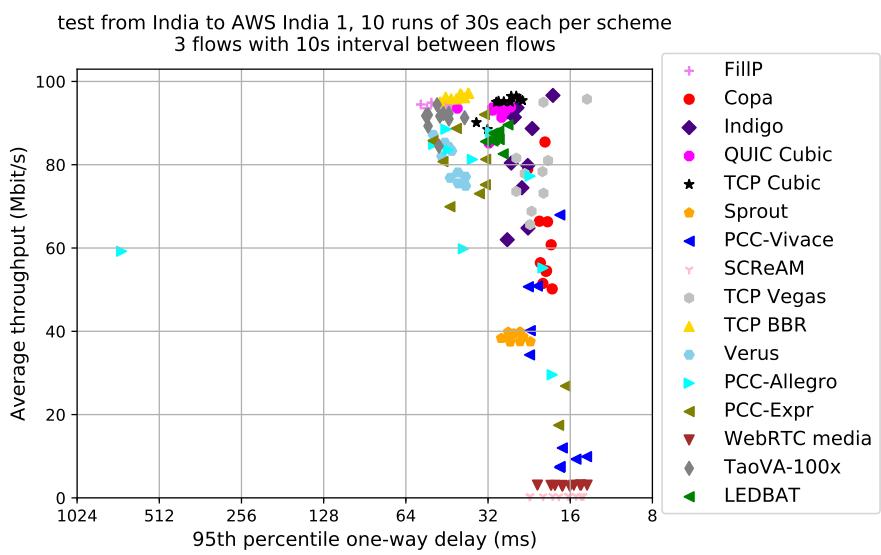
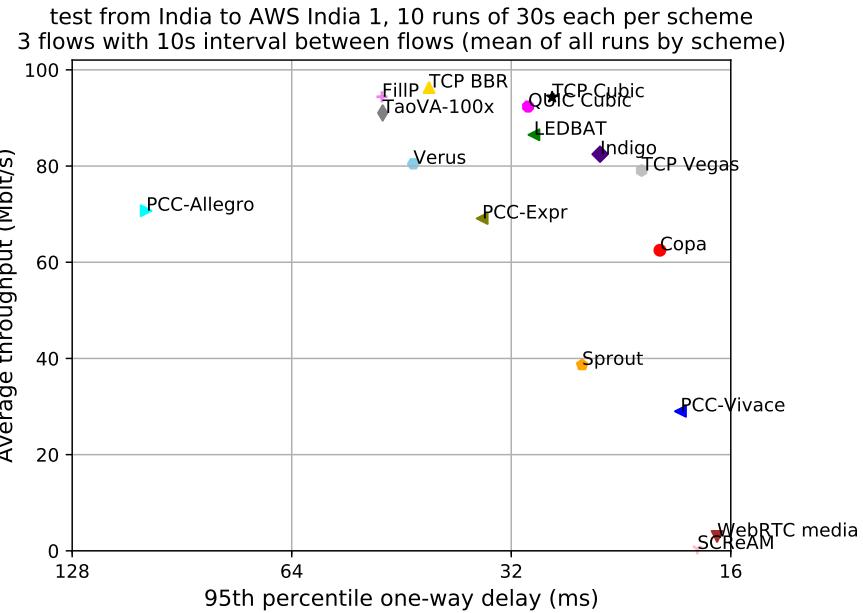


## Pantheon Report

Generated at 2018-06-19 12:36:10 (UTC).  
Data path: India Ethernet (*remote*) → AWS India 1 Ethernet (*local*).  
Repeated the test of 16 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
NTP offsets were measured against [nets.org.sg](http://nets.org.sg) 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
```



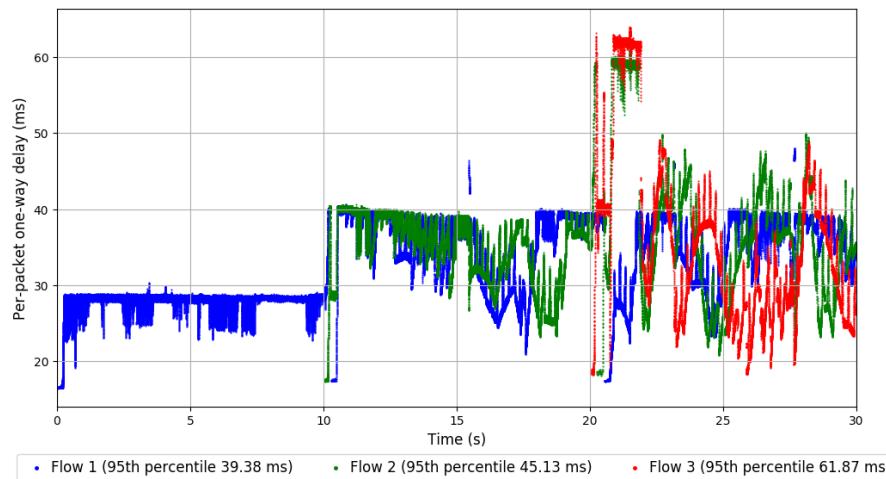
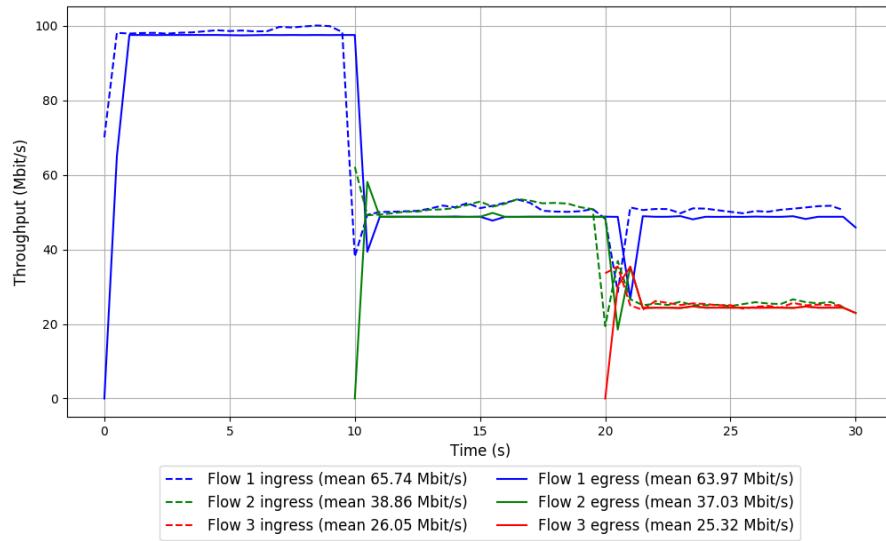
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	59.84	40.01	29.77	39.45	43.06	55.37	2.88	4.82	4.64
Copa		35.32	27.99	25.62	19.54	20.36	20.68	0.07	0.11	0.29
TCP Cubic		58.06	37.48	34.18	27.56	29.28	30.13	0.08	0.14	0.37
FillP		57.39	40.92	29.62	47.33	43.68	48.14	1.52	3.32	3.78
Indigo		47.70	36.50	32.69	23.23	24.42	26.03	0.07	0.14	0.31
LEDBAT		51.26	38.92	28.20	28.79	30.73	31.90	0.08	0.18	0.40
PCC-Allegro		45.80	27.50	20.20	97.99	99.44	97.29	2.05	1.40	0.55
PCC-Expr		43.93	30.85	14.20	33.54	33.66	26.56	0.47	0.24	0.57
QUIC Cubic		55.11	40.66	31.02	29.70	31.05	40.55	0.10	0.21	0.51
SCReAM		0.19	0.20	0.21	17.78	17.78	17.78	0.09	0.19	0.27
Sprout		19.57	19.38	18.88	24.79	26.05	26.89	0.11	0.13	0.46
TaoVA-100x		55.10	40.45	27.22	43.48	43.51	49.71	0.29	0.49	1.52
TCP Vegas		45.68	34.26	31.97	21.12	21.22	21.61	0.06	0.12	0.27
Verus		48.70	34.89	26.73	42.41	43.16	49.66	0.13	0.17	0.50
PCC-Vivace		20.20	8.88	8.80	19.43	16.91	17.32	0.09	0.25	0.55
WebRTC media		1.61	0.96	0.42	16.67	16.65	16.95	0.03	0.19	0.38

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-19 09:06:22
End at: 2018-06-19 09:06:52
Local clock offset: -0.998 ms
Remote clock offset: -1.422 ms

# Below is generated by plot.py at 2018-06-19 12:17:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 40.406 ms
Loss rate: 3.35%
-- Flow 1:
Average throughput: 63.97 Mbit/s
95th percentile per-packet one-way delay: 39.376 ms
Loss rate: 2.79%
-- Flow 2:
Average throughput: 37.03 Mbit/s
95th percentile per-packet one-way delay: 45.130 ms
Loss rate: 4.86%
-- Flow 3:
Average throughput: 25.32 Mbit/s
95th percentile per-packet one-way delay: 61.869 ms
Loss rate: 3.10%
```

## Run 1: Report of TCP BBR — Data Link

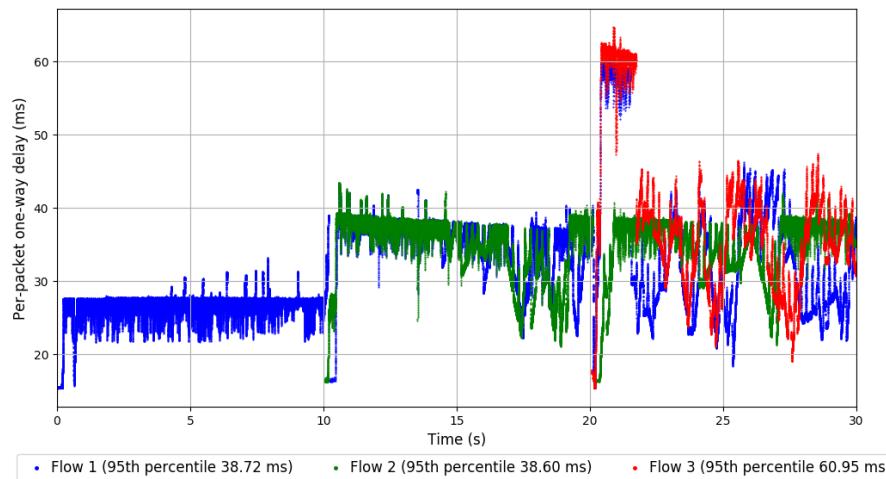
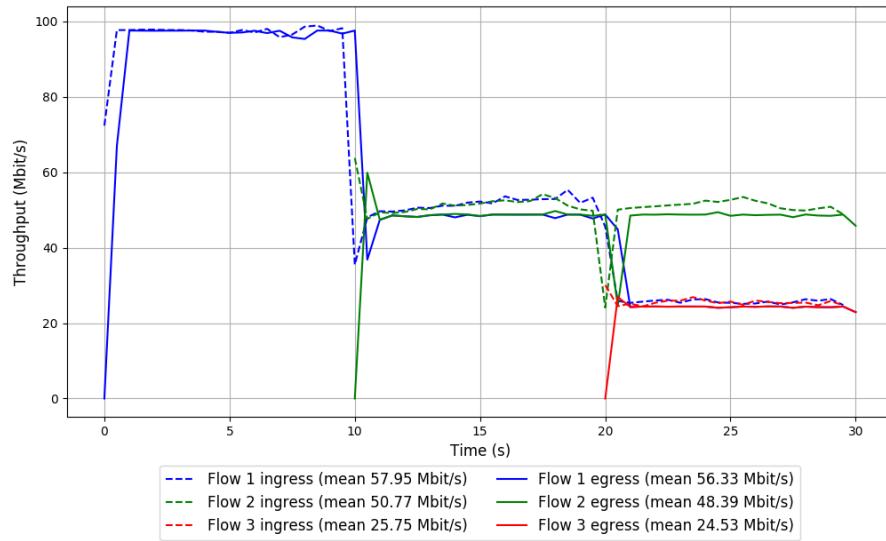


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-19 09:25:08
End at: 2018-06-19 09:25:38
Local clock offset: -0.205 ms
Remote clock offset: -4.46 ms

# Below is generated by plot.py at 2018-06-19 12:17:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 39.950 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 56.33 Mbit/s
95th percentile per-packet one-way delay: 38.723 ms
Loss rate: 2.89%
-- Flow 2:
Average throughput: 48.39 Mbit/s
95th percentile per-packet one-way delay: 38.604 ms
Loss rate: 4.83%
-- Flow 3:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 60.948 ms
Loss rate: 4.99%
```

## Run 2: Report of TCP BBR — Data Link

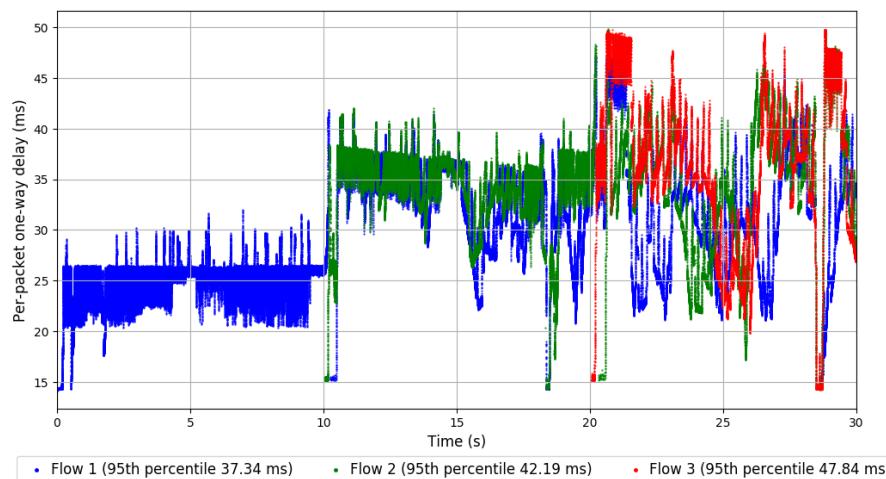
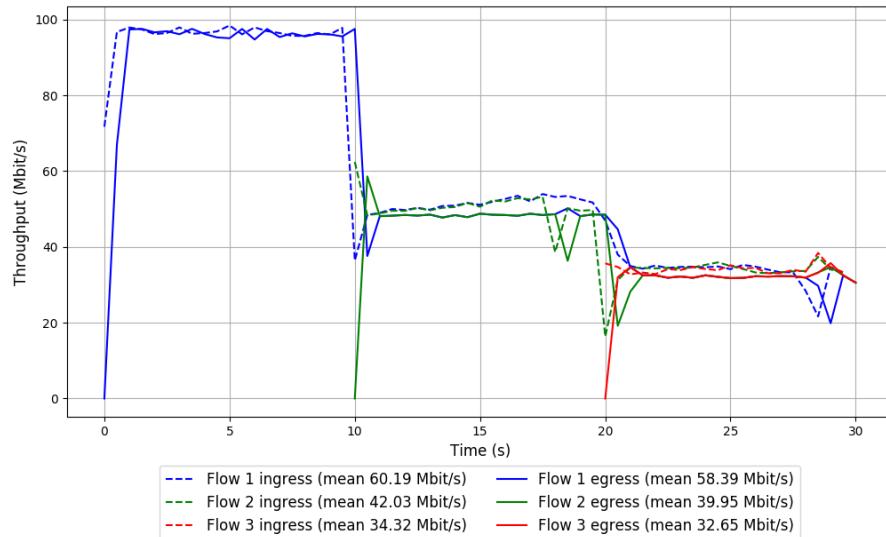


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-19 09:44:09
End at: 2018-06-19 09:44:39
Local clock offset: -1.282 ms
Remote clock offset: -5.986 ms

# Below is generated by plot.py at 2018-06-19 12:17:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 41.816 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 58.39 Mbit/s
95th percentile per-packet one-way delay: 37.342 ms
Loss rate: 3.09%
-- Flow 2:
Average throughput: 39.95 Mbit/s
95th percentile per-packet one-way delay: 42.190 ms
Loss rate: 5.09%
-- Flow 3:
Average throughput: 32.65 Mbit/s
95th percentile per-packet one-way delay: 47.844 ms
Loss rate: 5.12%
```

### Run 3: Report of TCP BBR — Data Link

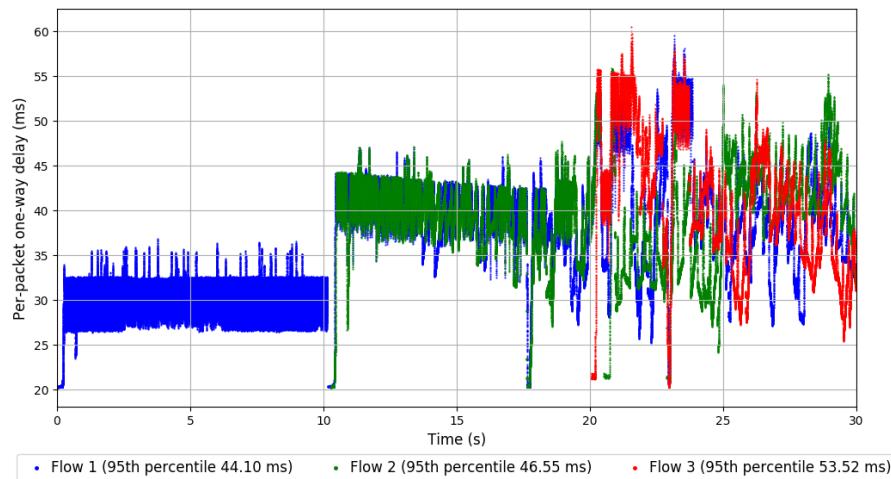
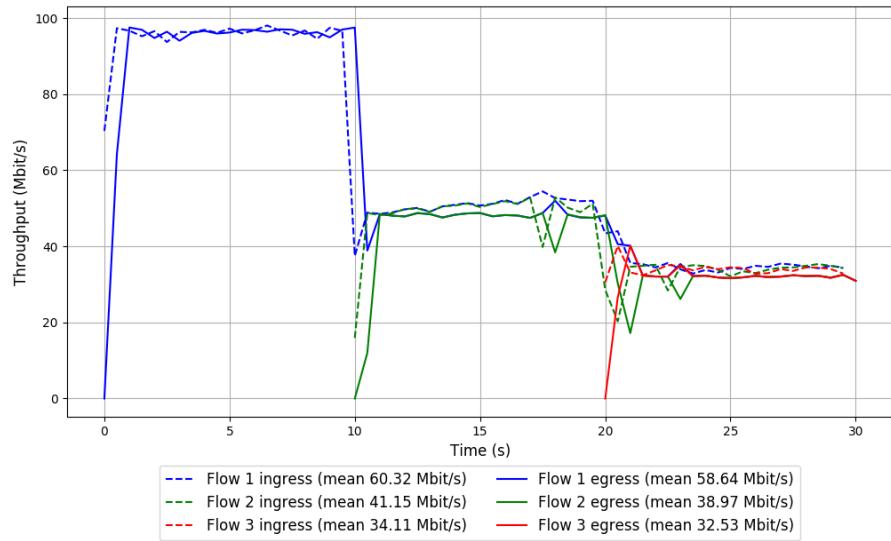


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-19 10:03:21
End at: 2018-06-19 10:03:51
Local clock offset: 1.037 ms
Remote clock offset: -4.908 ms

# Below is generated by plot.py at 2018-06-19 12:17:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 47.902 ms
Loss rate: 3.82%
-- Flow 1:
Average throughput: 58.64 Mbit/s
95th percentile per-packet one-way delay: 44.099 ms
Loss rate: 2.88%
-- Flow 2:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 46.546 ms
Loss rate: 5.45%
-- Flow 3:
Average throughput: 32.53 Mbit/s
95th percentile per-packet one-way delay: 53.515 ms
Loss rate: 4.93%
```

## Run 4: Report of TCP BBR — Data Link

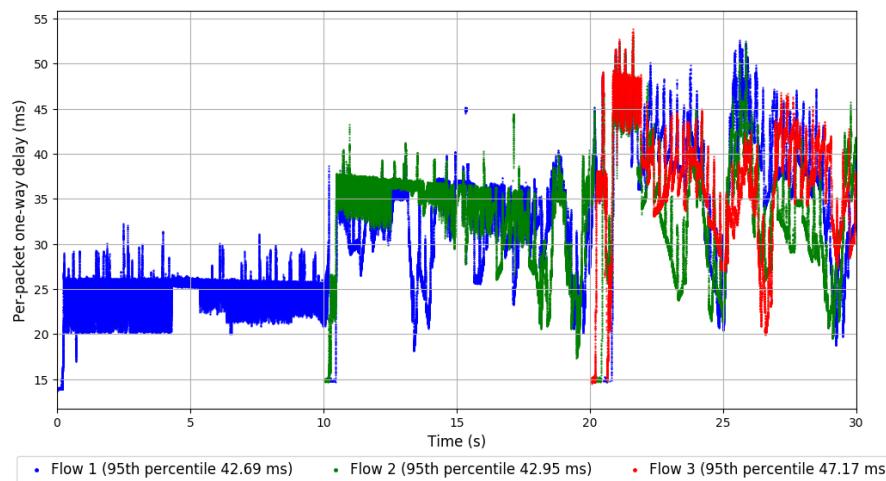
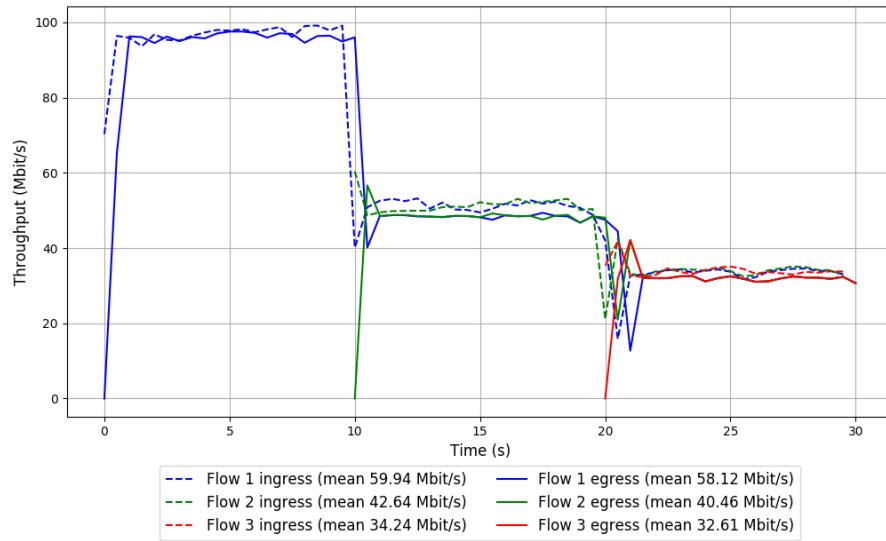


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-19 10:22:43
End at: 2018-06-19 10:23:13
Local clock offset: -3.571 ms
Remote clock offset: -2.345 ms

# Below is generated by plot.py at 2018-06-19 12:17:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 43.702 ms
Loss rate: 3.96%
-- Flow 1:
Average throughput: 58.12 Mbit/s
95th percentile per-packet one-way delay: 42.687 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: 42.946 ms
Loss rate: 5.26%
-- Flow 3:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 47.168 ms
Loss rate: 5.06%
```

## Run 5: Report of TCP BBR — Data Link

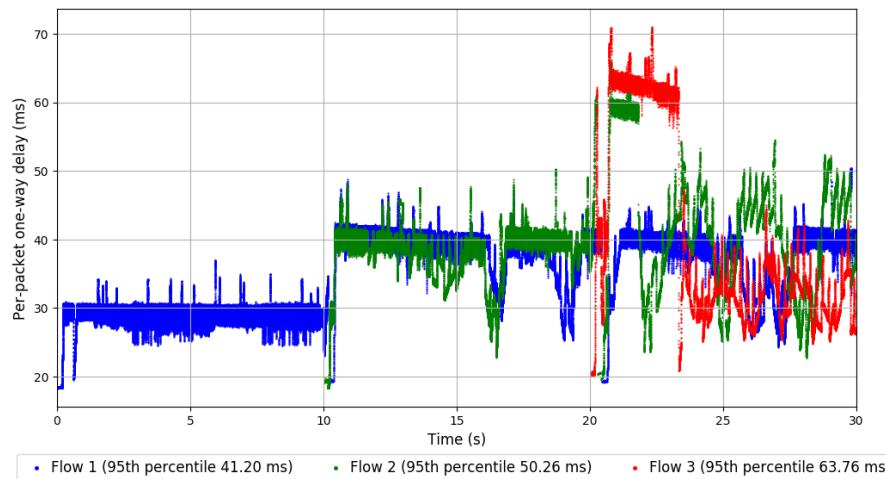
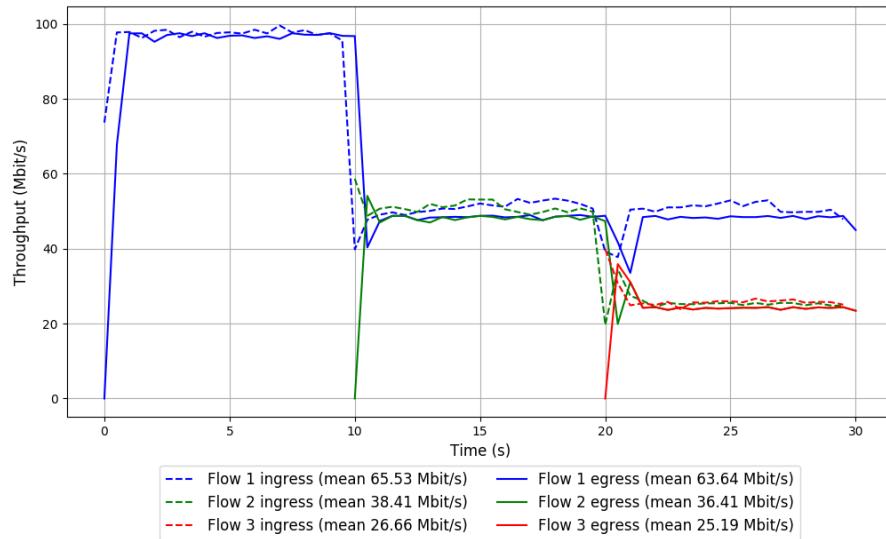


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-19 10:41:50
End at: 2018-06-19 10:42:20
Local clock offset: 1.702 ms
Remote clock offset: -6.455 ms

# Below is generated by plot.py at 2018-06-19 12:17:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 45.744 ms
Loss rate: 3.83%
-- Flow 1:
Average throughput: 63.64 Mbit/s
95th percentile per-packet one-way delay: 41.198 ms
Loss rate: 2.97%
-- Flow 2:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 50.259 ms
Loss rate: 5.35%
-- Flow 3:
Average throughput: 25.19 Mbit/s
95th percentile per-packet one-way delay: 63.758 ms
Loss rate: 5.81%
```

## Run 6: Report of TCP BBR — Data Link

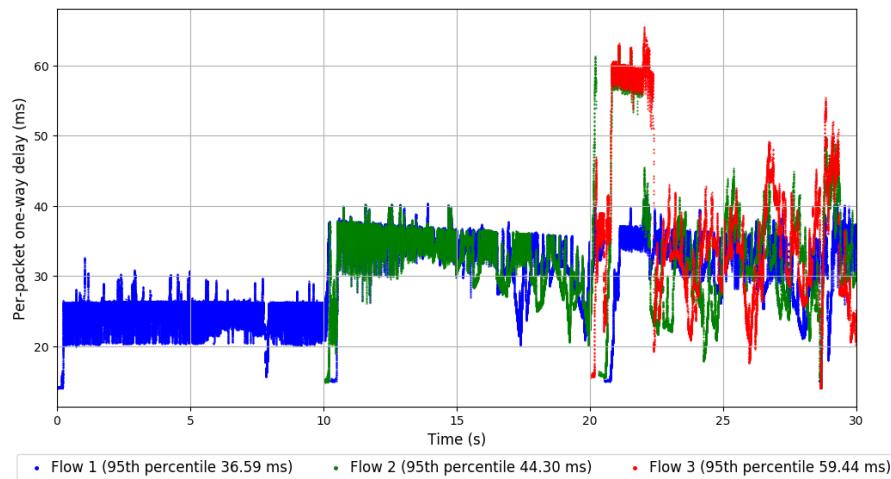
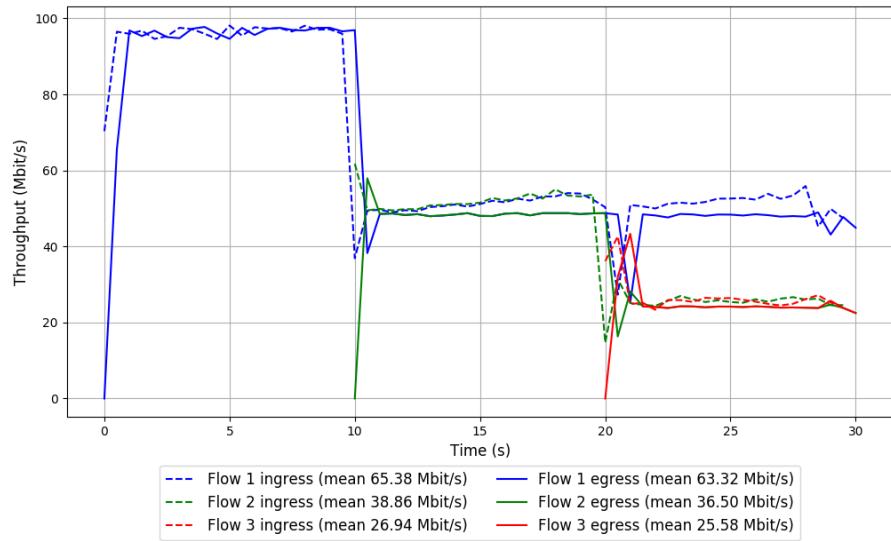


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-19 11:01:12
End at: 2018-06-19 11:01:42
Local clock offset: 1.961 ms
Remote clock offset: -4.422 ms

# Below is generated by plot.py at 2018-06-19 12:17:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 38.972 ms
Loss rate: 4.21%
-- Flow 1:
Average throughput: 63.32 Mbit/s
95th percentile per-packet one-way delay: 36.594 ms
Loss rate: 3.27%
-- Flow 2:
Average throughput: 36.50 Mbit/s
95th percentile per-packet one-way delay: 44.296 ms
Loss rate: 6.21%
-- Flow 3:
Average throughput: 25.58 Mbit/s
95th percentile per-packet one-way delay: 59.443 ms
Loss rate: 5.32%
```

### Run 7: Report of TCP BBR — Data Link

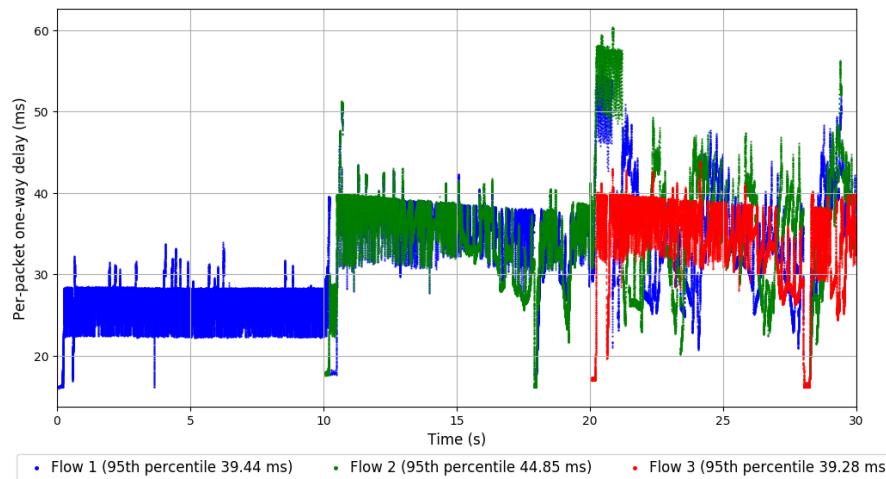
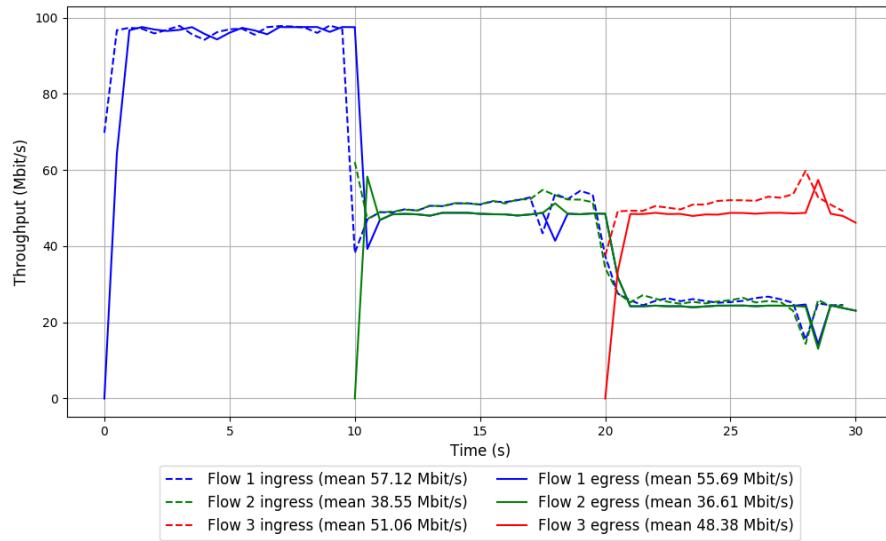


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-19 11:20:21
End at: 2018-06-19 11:20:51
Local clock offset: -0.36 ms
Remote clock offset: -5.047 ms

# Below is generated by plot.py at 2018-06-19 12:17:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 40.785 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 55.69 Mbit/s
95th percentile per-packet one-way delay: 39.444 ms
Loss rate: 2.58%
-- Flow 2:
Average throughput: 36.61 Mbit/s
95th percentile per-packet one-way delay: 44.855 ms
Loss rate: 5.15%
-- Flow 3:
Average throughput: 48.38 Mbit/s
95th percentile per-packet one-way delay: 39.279 ms
Loss rate: 5.51%
```

## Run 8: Report of TCP BBR — Data Link

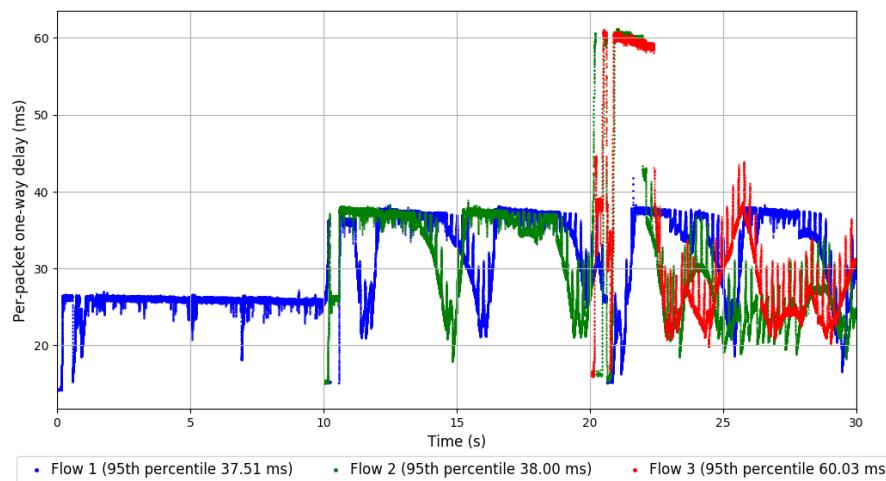
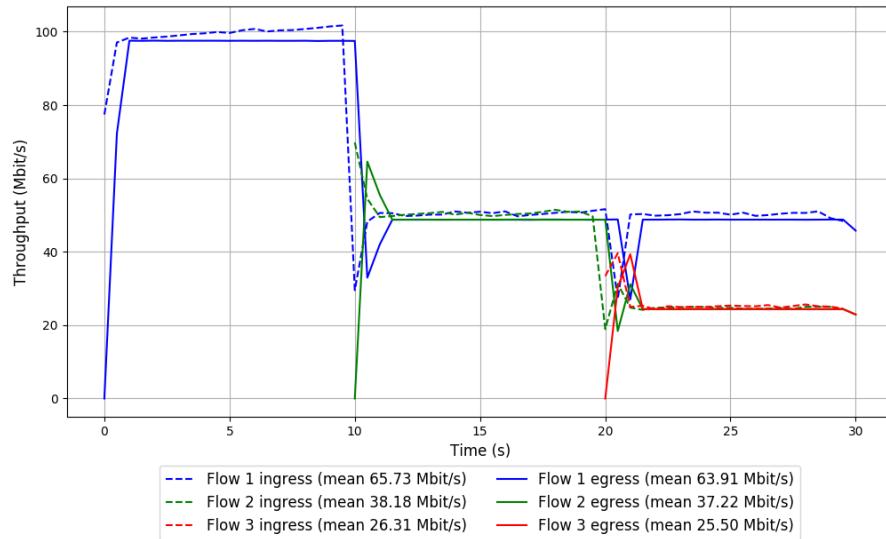


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-19 11:39:20
End at: 2018-06-19 11:39:50
Local clock offset: 1.73 ms
Remote clock offset: 0.841 ms

# Below is generated by plot.py at 2018-06-19 12:19:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 37.674 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 63.91 Mbit/s
95th percentile per-packet one-way delay: 37.509 ms
Loss rate: 2.85%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 38.004 ms
Loss rate: 2.67%
-- Flow 3:
Average throughput: 25.50 Mbit/s
95th percentile per-packet one-way delay: 60.034 ms
Loss rate: 3.32%
```

### Run 9: Report of TCP BBR — Data Link

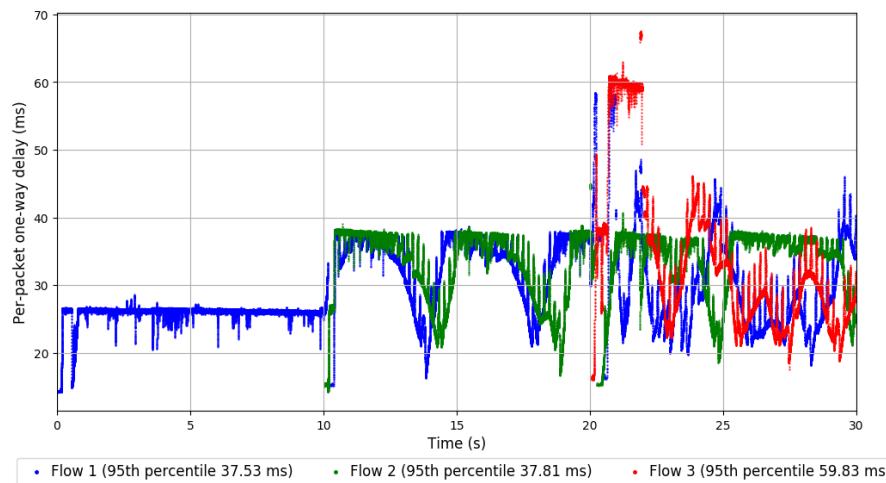
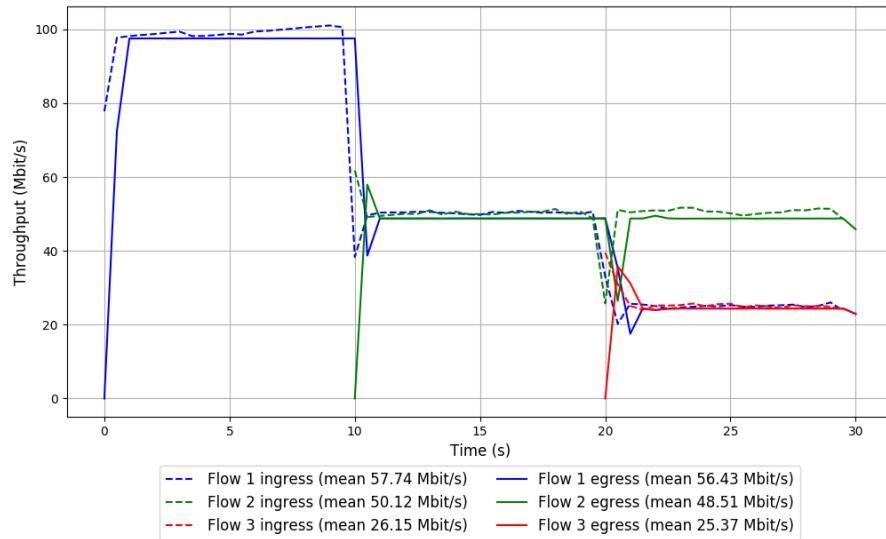


Run 10: Statistics of TCP BBR

```
Start at: 2018-06-19 11:58:25
End at: 2018-06-19 11:58:55
Local clock offset: -0.117 ms
Remote clock offset: 1.218 ms

# Below is generated by plot.py at 2018-06-19 12:19:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 37.887 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 37.528 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 48.51 Mbit/s
95th percentile per-packet one-way delay: 37.813 ms
Loss rate: 3.35%
-- Flow 3:
Average throughput: 25.37 Mbit/s
95th percentile per-packet one-way delay: 59.827 ms
Loss rate: 3.27%
```

Run 10: Report of TCP BBR — Data Link

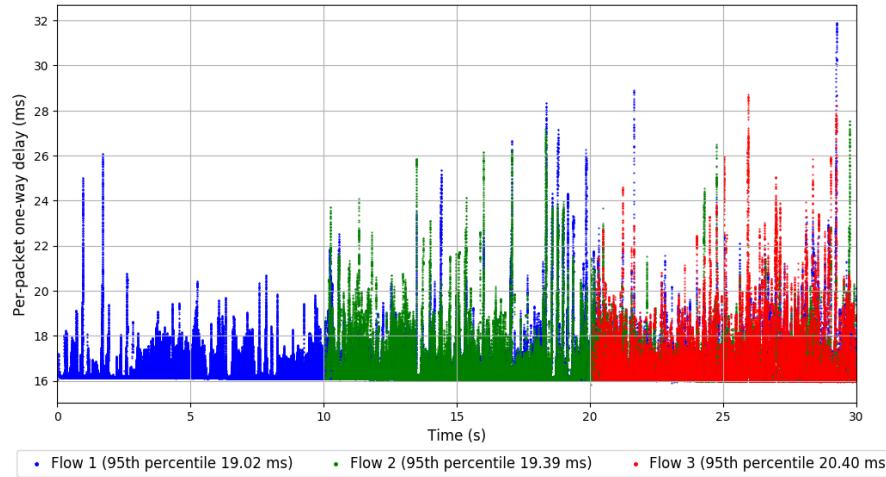
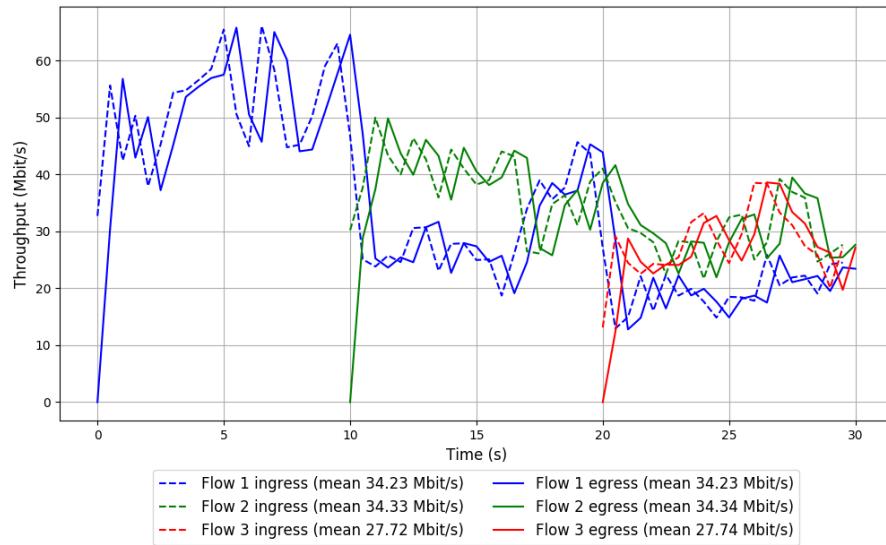


Run 1: Statistics of Copa

```
Start at: 2018-06-19 09:15:47
End at: 2018-06-19 09:16:17
Local clock offset: -0.084 ms
Remote clock offset: -2.658 ms

# Below is generated by plot.py at 2018-06-19 12:19:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.30 Mbit/s
95th percentile per-packet one-way delay: 19.371 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 34.23 Mbit/s
95th percentile per-packet one-way delay: 19.017 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 19.385 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 27.74 Mbit/s
95th percentile per-packet one-way delay: 20.397 ms
Loss rate: 0.19%
```

## Run 1: Report of Copa — Data Link

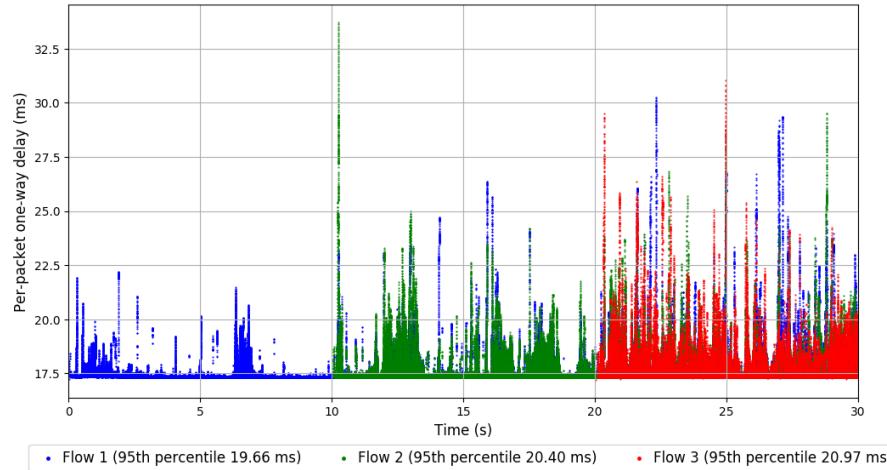
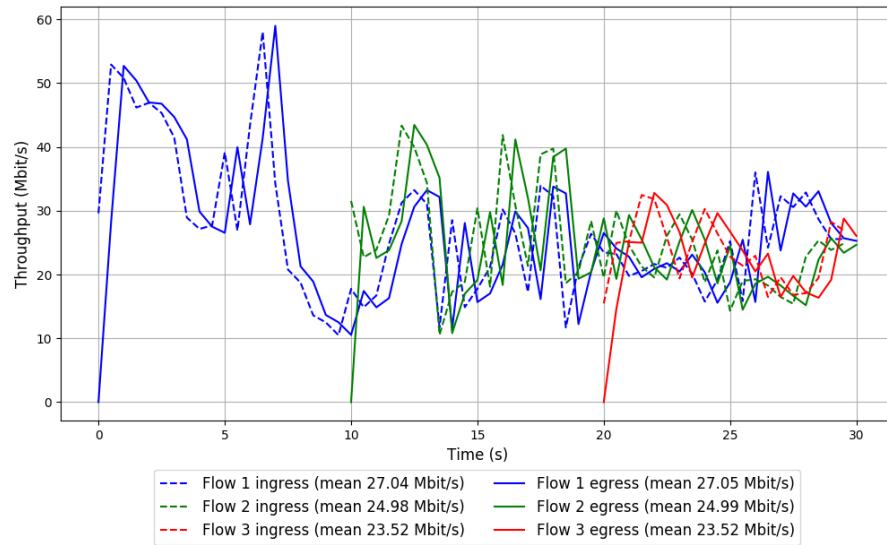


Run 2: Statistics of Copa

```
Start at: 2018-06-19 09:34:37
End at: 2018-06-19 09:35:07
Local clock offset: 1.881 ms
Remote clock offset: -5.316 ms

# Below is generated by plot.py at 2018-06-19 12:19:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.49 Mbit/s
95th percentile per-packet one-way delay: 20.151 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 27.05 Mbit/s
95th percentile per-packet one-way delay: 19.658 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 24.99 Mbit/s
95th percentile per-packet one-way delay: 20.403 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 20.970 ms
Loss rate: 0.32%
```

## Run 2: Report of Copa — Data Link

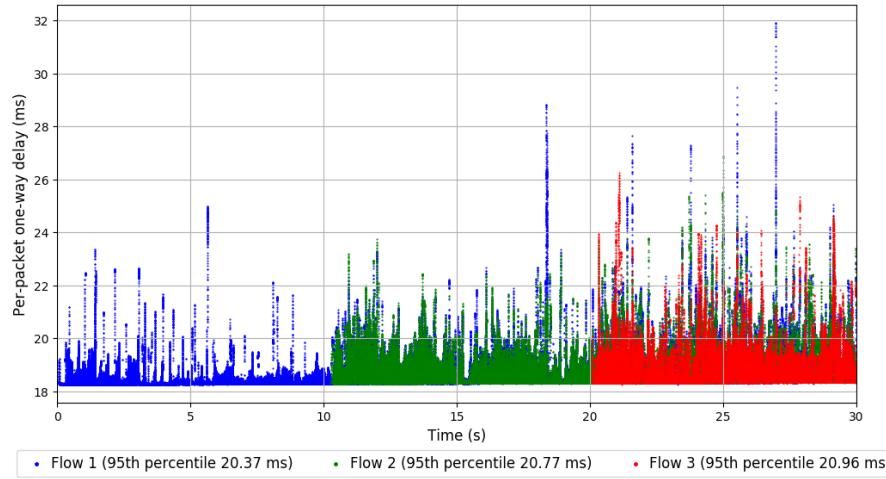
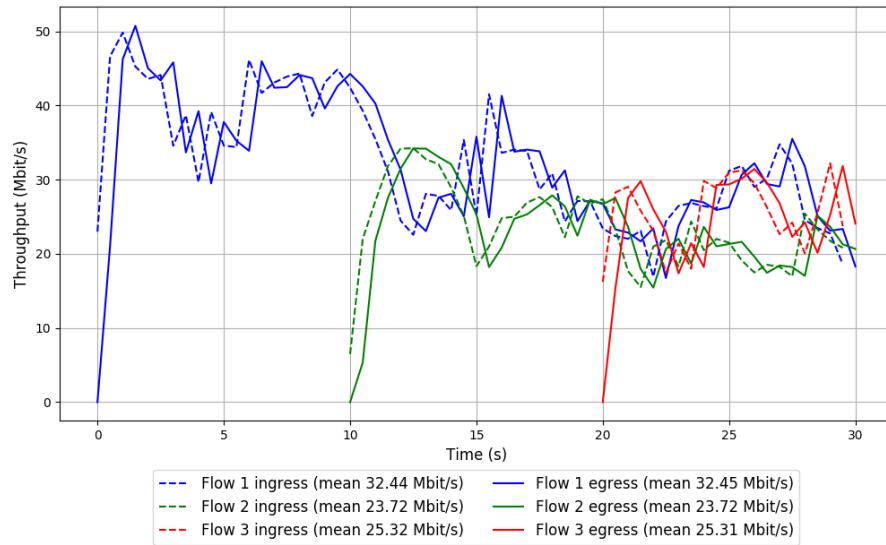


Run 3: Statistics of Copa

```
Start at: 2018-06-19 09:53:49
End at: 2018-06-19 09:54:19
Local clock offset: 1.738 ms
Remote clock offset: -3.191 ms

# Below is generated by plot.py at 2018-06-19 12:19:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 20.581 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 20.372 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 23.72 Mbit/s
95th percentile per-packet one-way delay: 20.771 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 25.31 Mbit/s
95th percentile per-packet one-way delay: 20.964 ms
Loss rate: 0.25%
```

### Run 3: Report of Copa — Data Link

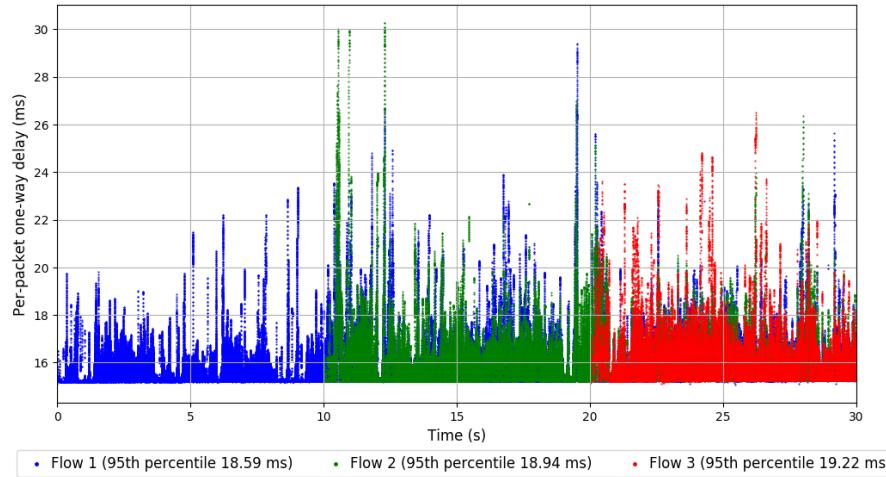
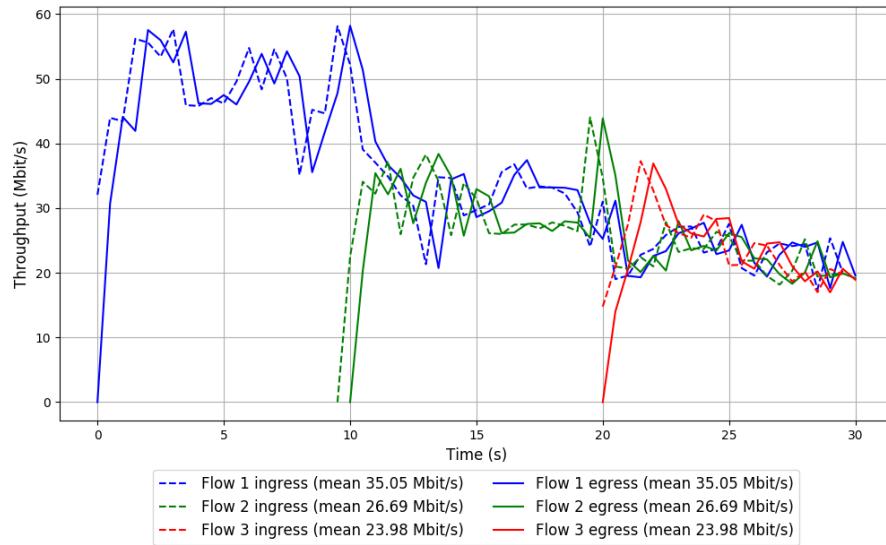


Run 4: Statistics of Copa

```
Start at: 2018-06-19 10:13:22
End at: 2018-06-19 10:13:52
Local clock offset: -3.046 ms
Remote clock offset: -2.458 ms

# Below is generated by plot.py at 2018-06-19 12:19:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.78 Mbit/s
95th percentile per-packet one-way delay: 18.793 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 35.05 Mbit/s
95th percentile per-packet one-way delay: 18.591 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 26.69 Mbit/s
95th percentile per-packet one-way delay: 18.936 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 19.218 ms
Loss rate: 0.28%
```

## Run 4: Report of Copa — Data Link

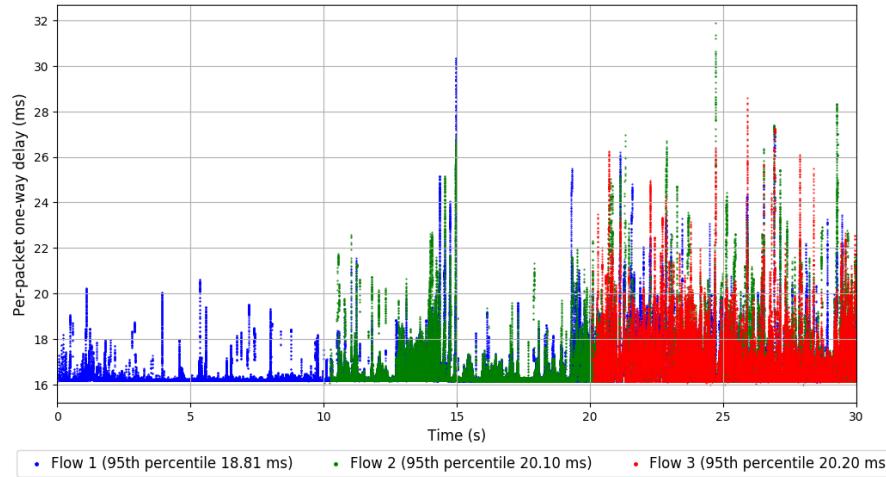
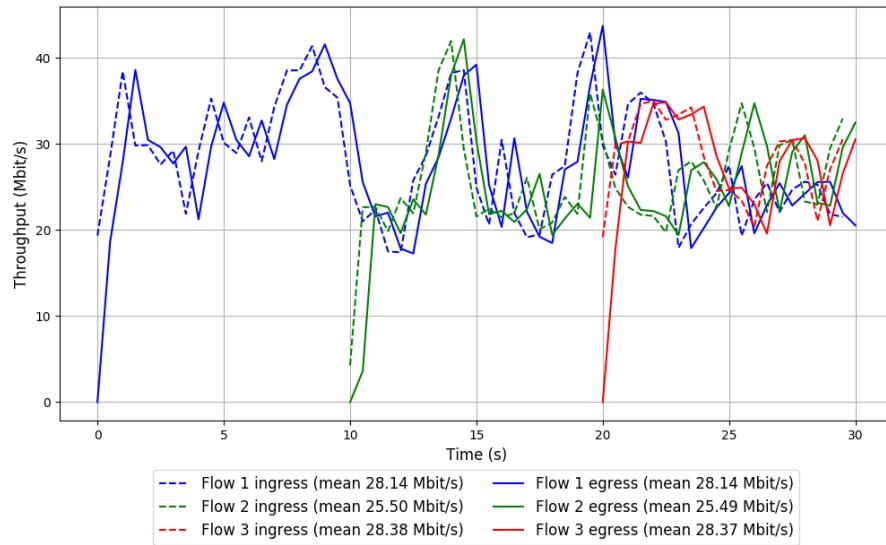


Run 5: Statistics of Copa

```
Start at: 2018-06-19 10:32:28
End at: 2018-06-19 10:32:58
Local clock offset: -2.694 ms
Remote clock offset: -7.875 ms

# Below is generated by plot.py at 2018-06-19 12:19:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.52 Mbit/s
95th percentile per-packet one-way delay: 19.530 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 28.14 Mbit/s
95th percentile per-packet one-way delay: 18.814 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 25.49 Mbit/s
95th percentile per-packet one-way delay: 20.102 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 28.37 Mbit/s
95th percentile per-packet one-way delay: 20.202 ms
Loss rate: 0.26%
```

Run 5: Report of Copa — Data Link

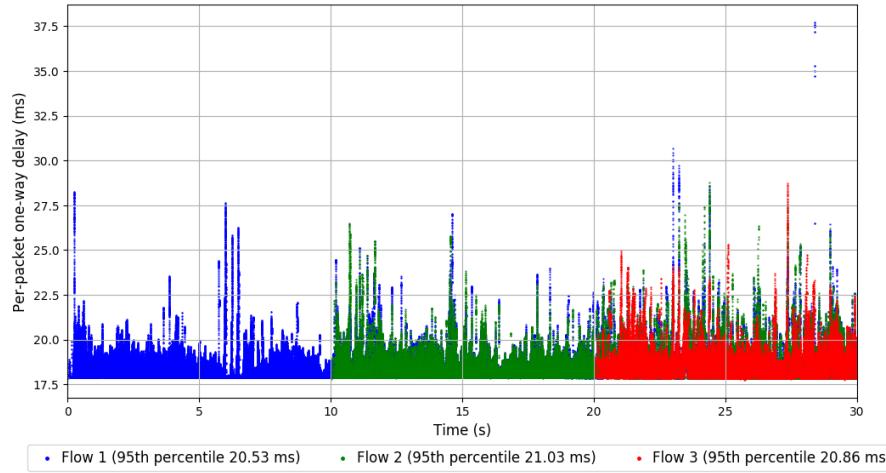
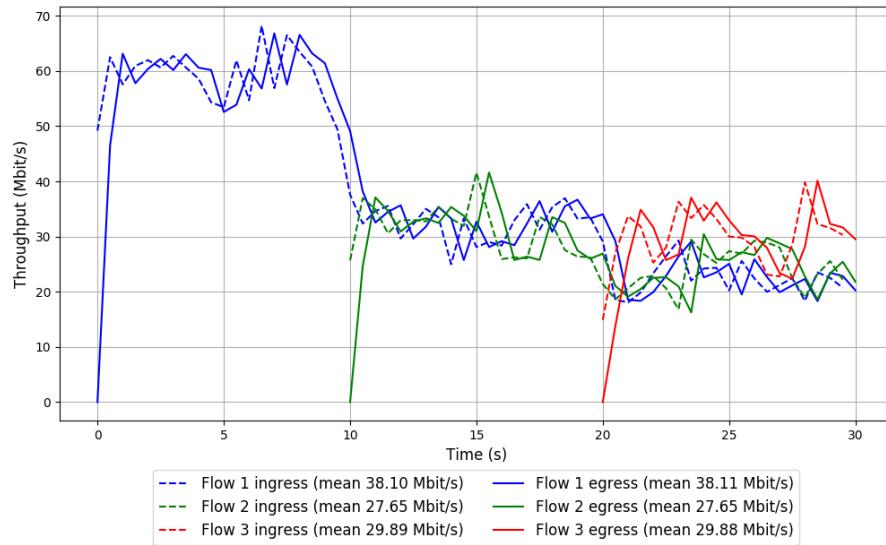


Run 6: Statistics of Copa

```
Start at: 2018-06-19 10:51:44
End at: 2018-06-19 10:52:15
Local clock offset: 1.791 ms
Remote clock offset: -7.61 ms

# Below is generated by plot.py at 2018-06-19 12:19:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.43 Mbit/s
95th percentile per-packet one-way delay: 20.742 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 20.534 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 27.65 Mbit/s
95th percentile per-packet one-way delay: 21.034 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 20.857 ms
Loss rate: 0.31%
```

## Run 6: Report of Copa — Data Link

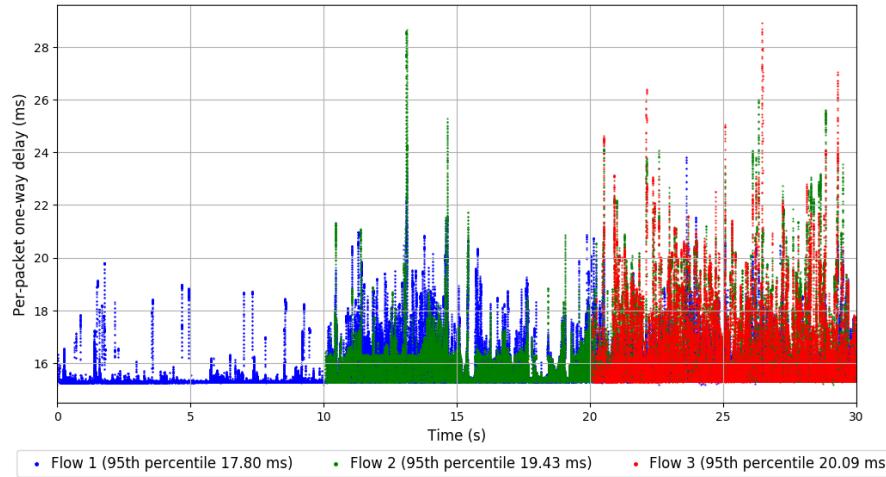
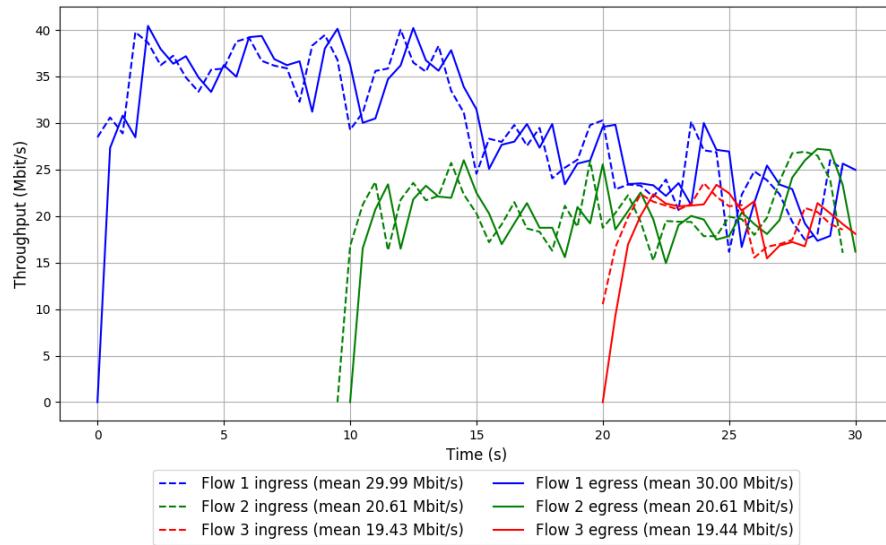


Run 7: Statistics of Copa

```
Start at: 2018-06-19 11:10:57
End at: 2018-06-19 11:11:27
Local clock offset: -0.171 ms
Remote clock offset: -4.641 ms

# Below is generated by plot.py at 2018-06-19 12:19:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.19 Mbit/s
95th percentile per-packet one-way delay: 18.627 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 17.796 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 20.61 Mbit/s
95th percentile per-packet one-way delay: 19.433 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 19.44 Mbit/s
95th percentile per-packet one-way delay: 20.094 ms
Loss rate: 0.26%
```

## Run 7: Report of Copa — Data Link

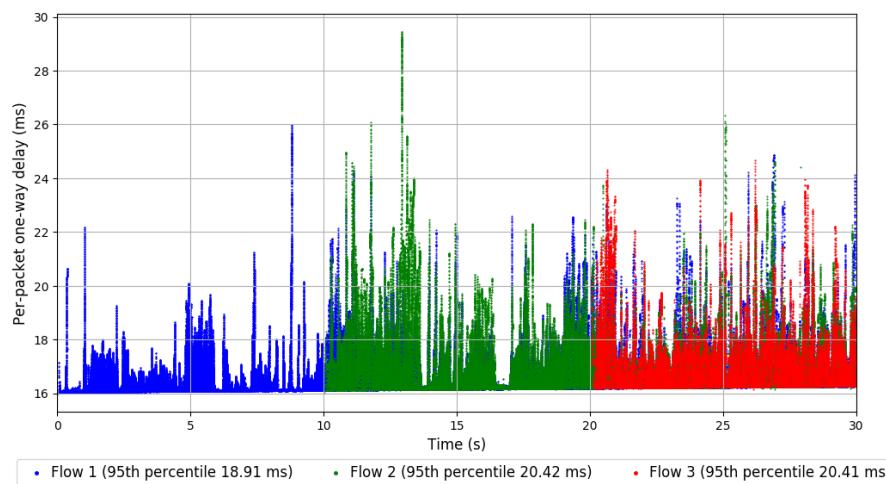
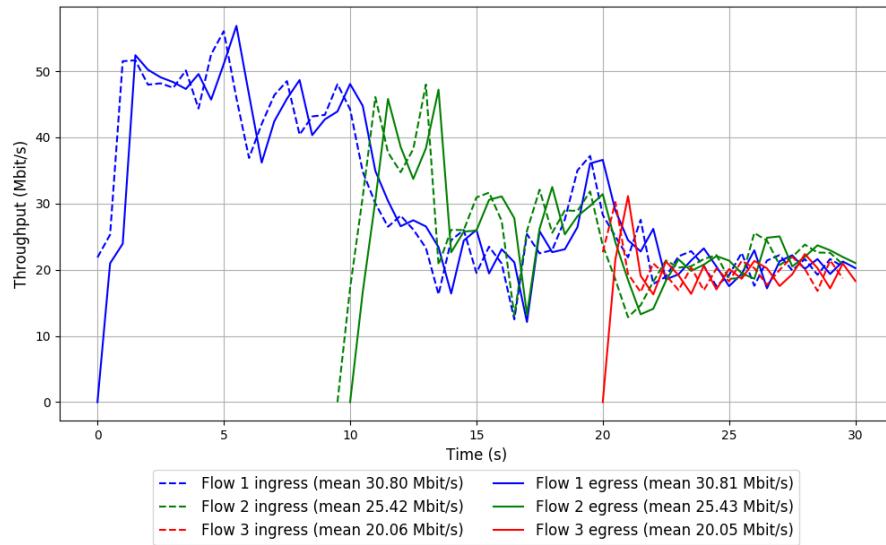


Run 8: Statistics of Copa

```
Start at: 2018-06-19 11:29:56
End at: 2018-06-19 11:30:26
Local clock offset: 0.553 ms
Remote clock offset: -2.899 ms

# Below is generated by plot.py at 2018-06-19 12:20:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.40 Mbit/s
95th percentile per-packet one-way delay: 19.640 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 30.81 Mbit/s
95th percentile per-packet one-way delay: 18.905 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 25.43 Mbit/s
95th percentile per-packet one-way delay: 20.417 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 20.05 Mbit/s
95th percentile per-packet one-way delay: 20.409 ms
Loss rate: 0.31%
```

Run 8: Report of Copa — Data Link

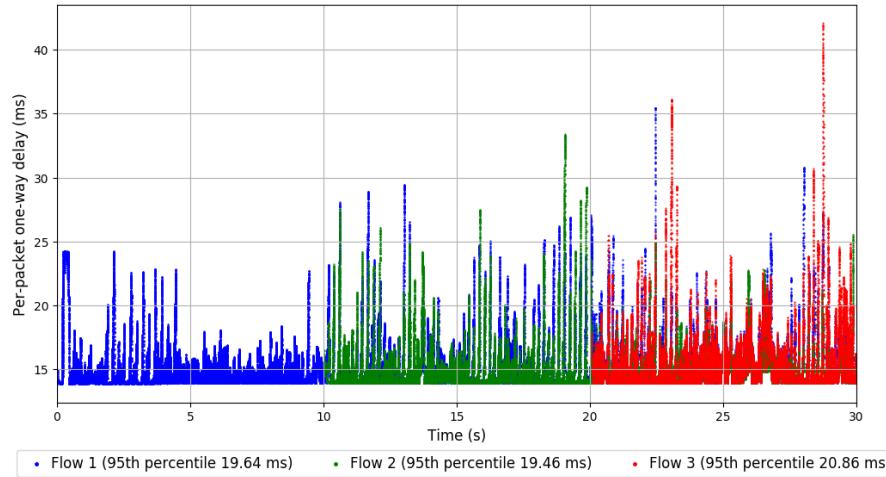
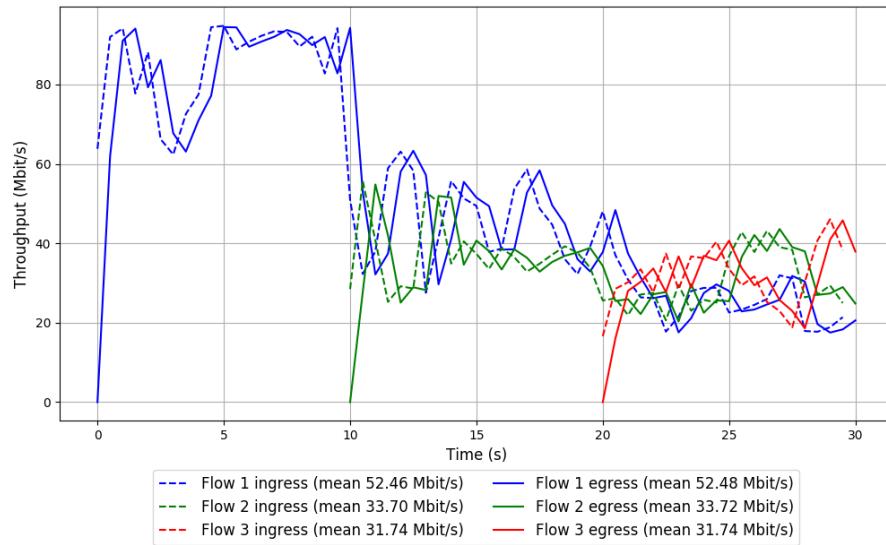


Run 9: Statistics of Copa

```
Start at: 2018-06-19 11:48:49
End at: 2018-06-19 11:49:19
Local clock offset: 0.788 ms
Remote clock offset: 1.382 ms

# Below is generated by plot.py at 2018-06-19 12:20:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.46 Mbit/s
95th percentile per-packet one-way delay: 19.794 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 52.48 Mbit/s
95th percentile per-packet one-way delay: 19.640 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 19.464 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 20.863 ms
Loss rate: 0.30%
```

## Run 9: Report of Copa — Data Link

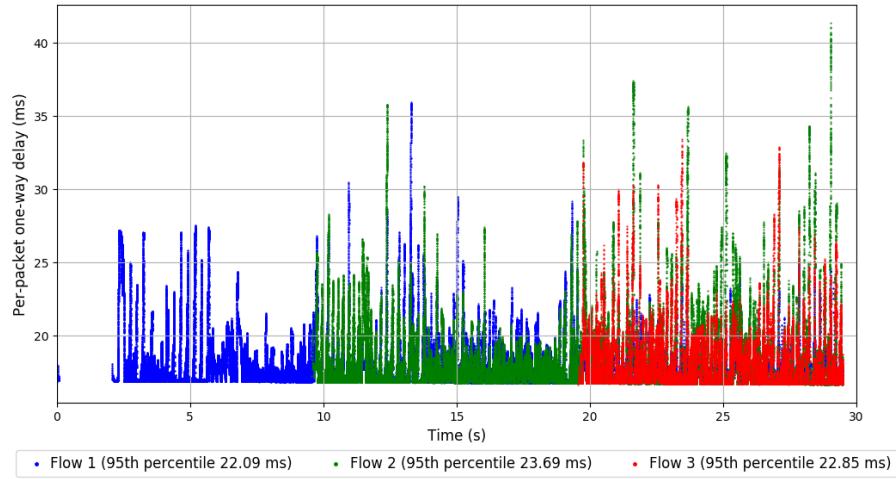
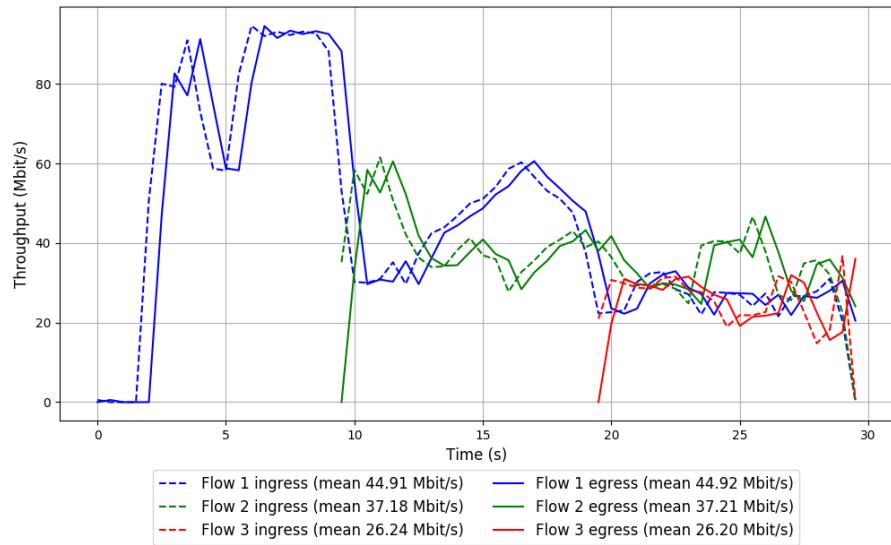


Run 10: Statistics of Copa

```
Start at: 2018-06-19 12:08:02
End at: 2018-06-19 12:08:32
Local clock offset: 0.676 ms
Remote clock offset: -3.005 ms

# Below is generated by plot.py at 2018-06-19 12:20:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.93 Mbit/s
95th percentile per-packet one-way delay: 22.898 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 22.093 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 23.694 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 26.20 Mbit/s
95th percentile per-packet one-way delay: 22.853 ms
Loss rate: 0.41%
```

## Run 10: Report of Copa — Data Link

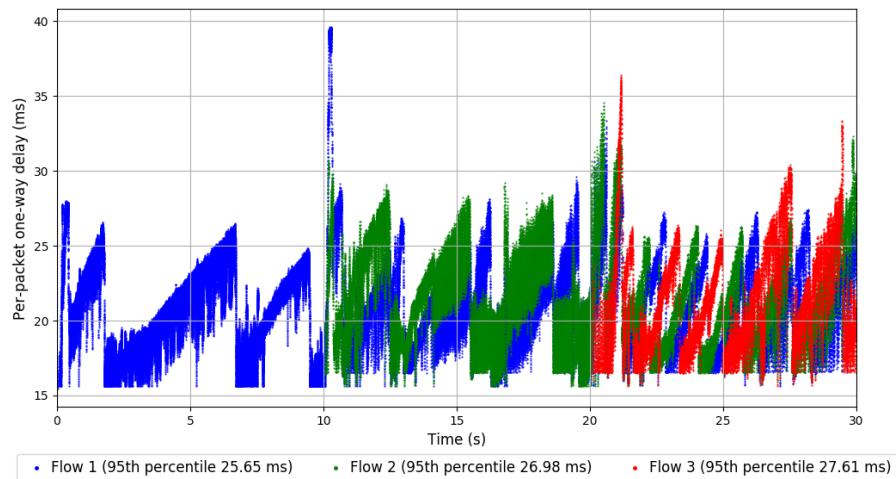
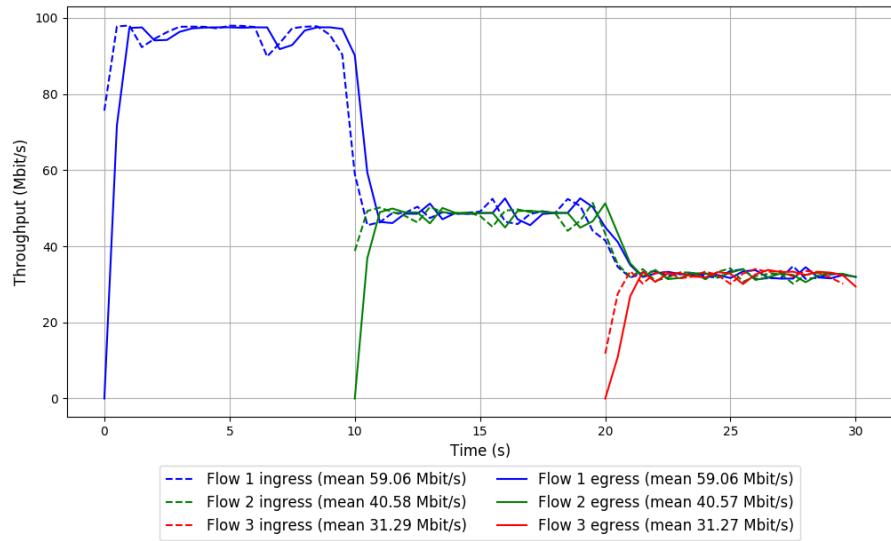


```
Run 1: Statistics of TCP Cubic

Start at: 2018-06-19 09:02:47
End at: 2018-06-19 09:03:17
Local clock offset: -1.529 ms
Remote clock offset: -0.739 ms

# Below is generated by plot.py at 2018-06-19 12:20:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: 26.311 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.06 Mbit/s
95th percentile per-packet one-way delay: 25.647 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 26.978 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 27.611 ms
Loss rate: 0.31%
```

## Run 1: Report of TCP Cubic — Data Link

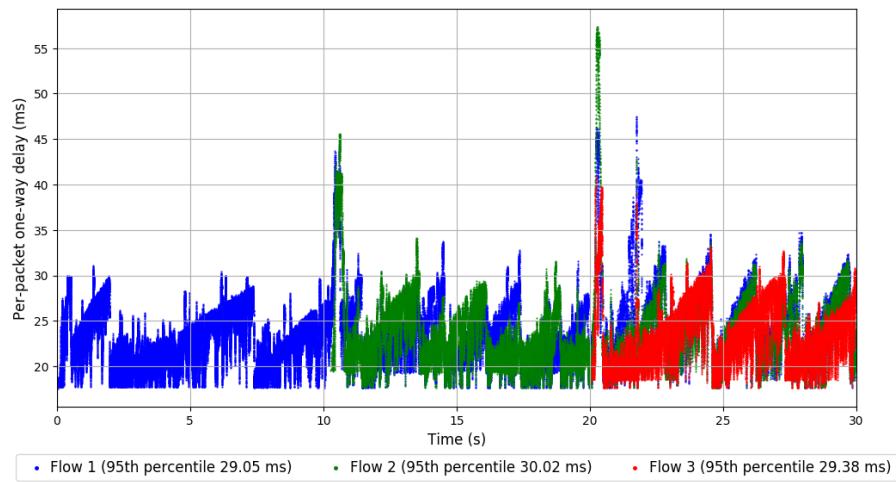
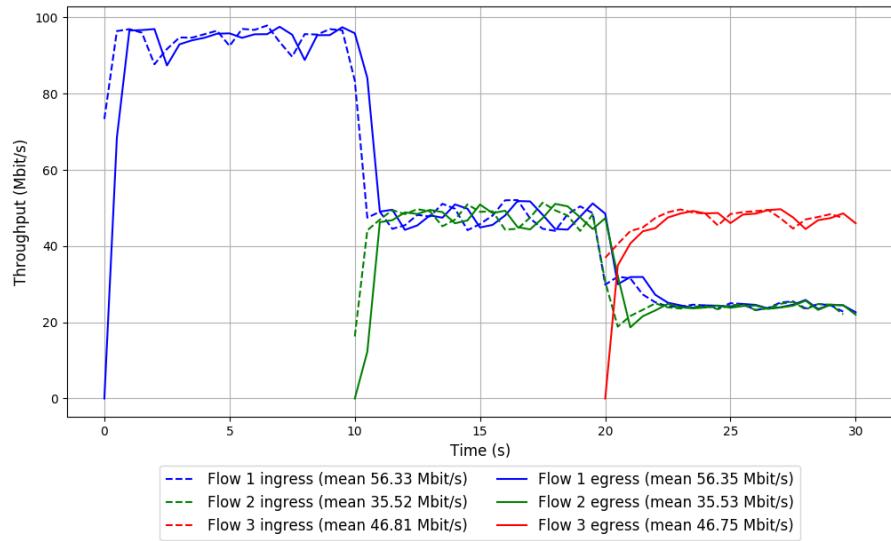


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-19 09:21:36
End at: 2018-06-19 09:22:06
Local clock offset: 2.293 ms
Remote clock offset: -3.56 ms

# Below is generated by plot.py at 2018-06-19 12:20:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 29.295 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 56.35 Mbit/s
95th percentile per-packet one-way delay: 29.046 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.53 Mbit/s
95th percentile per-packet one-way delay: 30.019 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 46.75 Mbit/s
95th percentile per-packet one-way delay: 29.381 ms
Loss rate: 0.41%
```

## Run 2: Report of TCP Cubic — Data Link

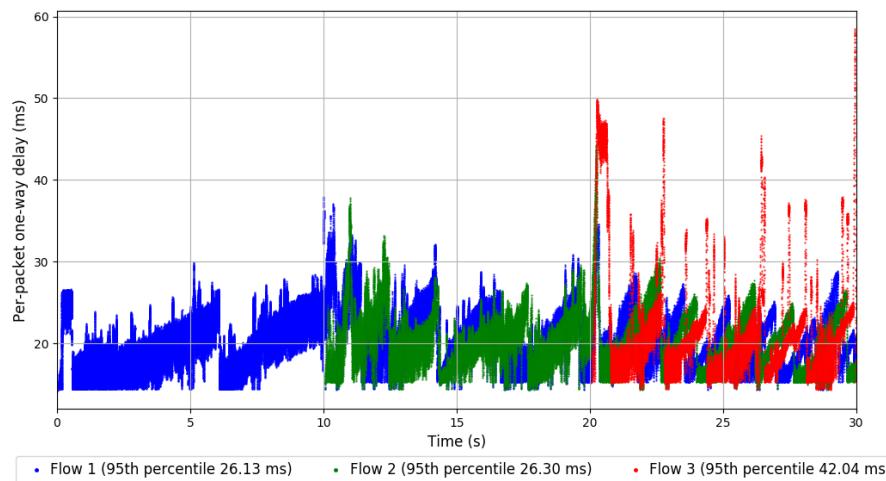
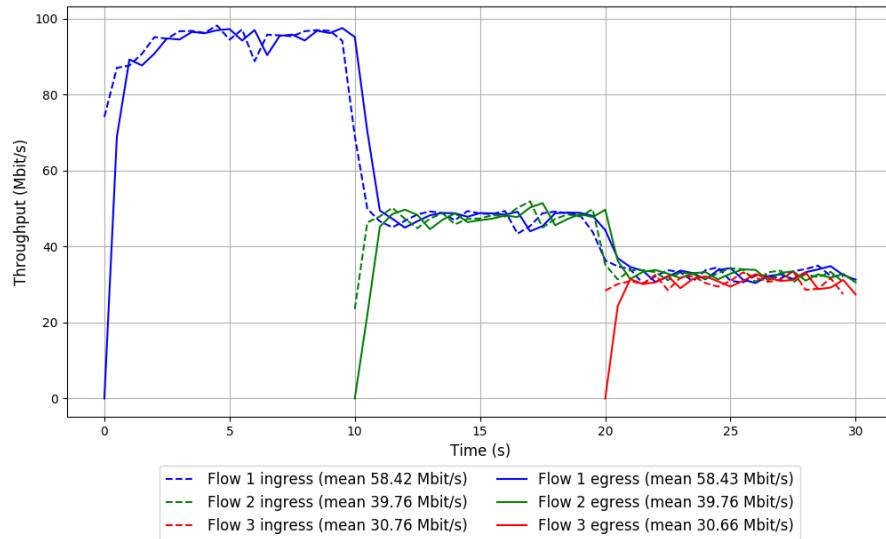


Run 3: Statistics of TCP Cubic

```
Start at: 2018-06-19 09:40:36
End at: 2018-06-19 09:41:06
Local clock offset: -1.924 ms
Remote clock offset: -6.557 ms

# Below is generated by plot.py at 2018-06-19 12:20:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 26.536 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 58.43 Mbit/s
95th percentile per-packet one-way delay: 26.130 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 26.305 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 42.043 ms
Loss rate: 0.57%
```

### Run 3: Report of TCP Cubic — Data Link

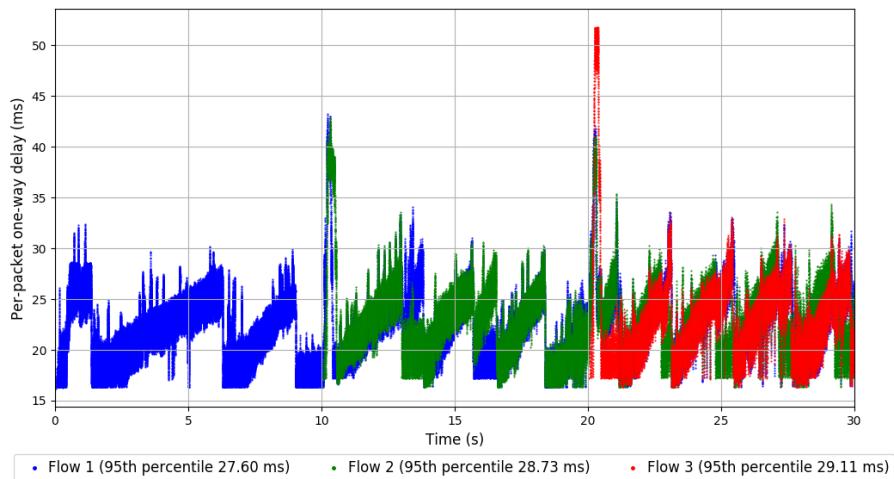
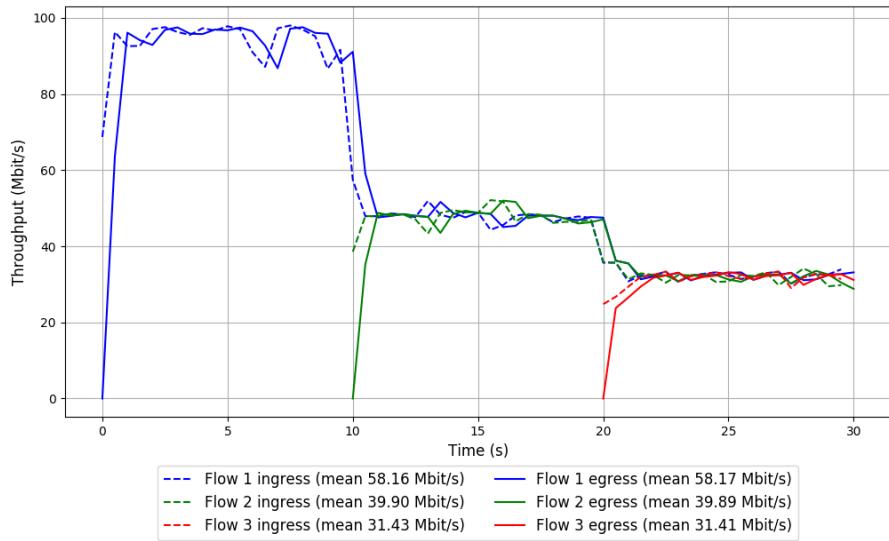


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-19 09:59:43
End at: 2018-06-19 10:00:13
Local clock offset: 2.085 ms
Remote clock offset: -1.738 ms

# Below is generated by plot.py at 2018-06-19 12:20:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 28.019 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 27.602 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.89 Mbit/s
95th percentile per-packet one-way delay: 28.730 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 29.107 ms
Loss rate: 0.30%
```

### Run 4: Report of TCP Cubic — Data Link

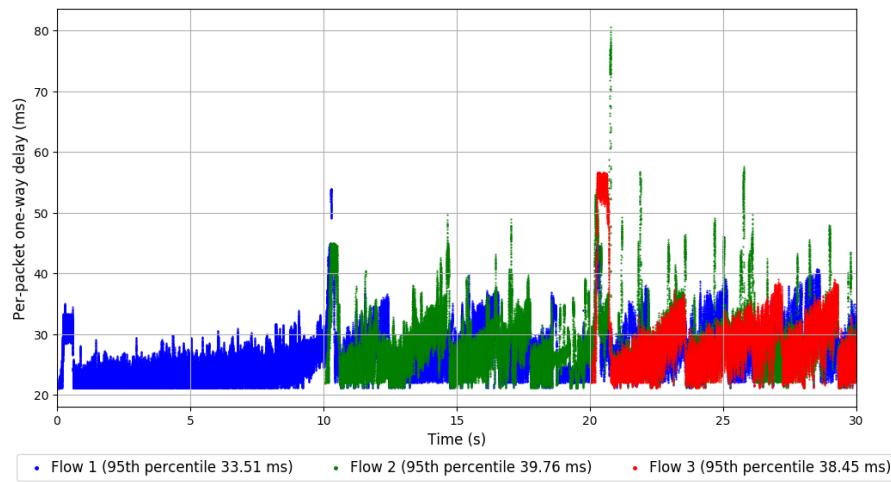
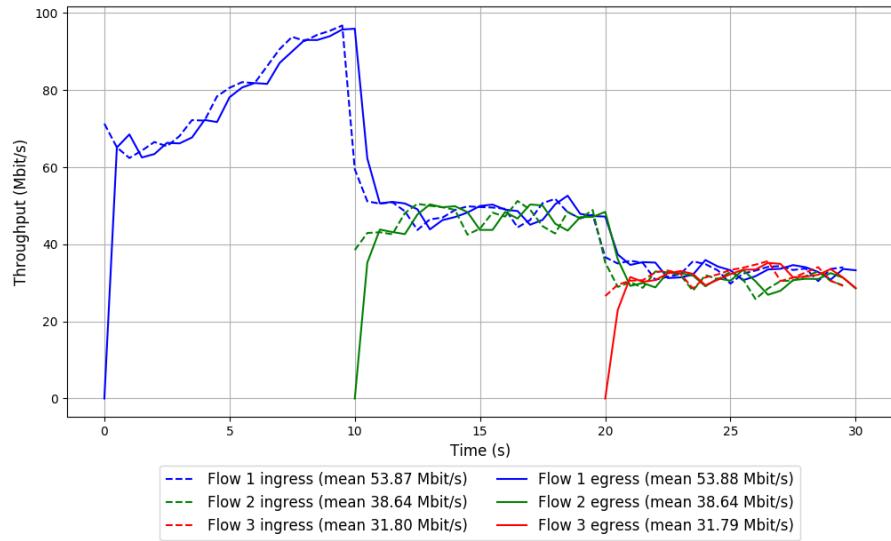


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-19 10:19:12
End at: 2018-06-19 10:19:42
Local clock offset: 0.835 ms
Remote clock offset: -4.088 ms

# Below is generated by plot.py at 2018-06-19 12:21:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.14 Mbit/s
95th percentile per-packet one-way delay: 35.301 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 53.88 Mbit/s
95th percentile per-packet one-way delay: 33.505 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 39.759 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 38.451 ms
Loss rate: 0.37%
```

Run 5: Report of TCP Cubic — Data Link

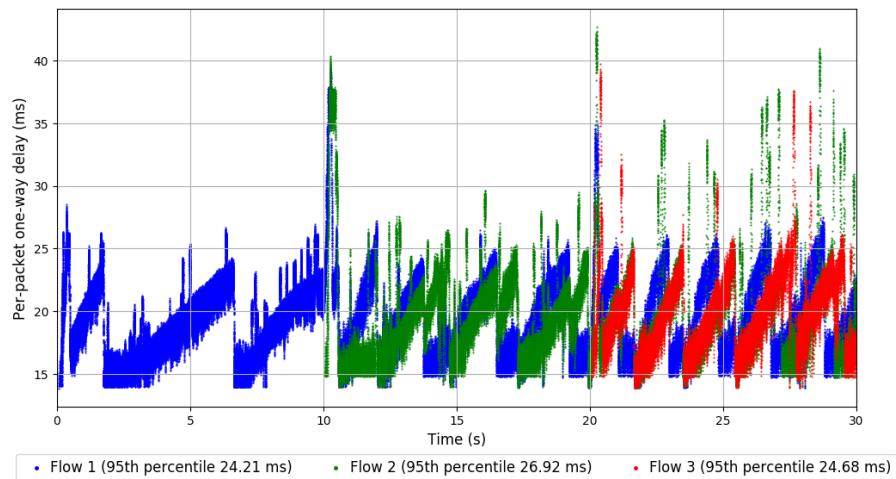
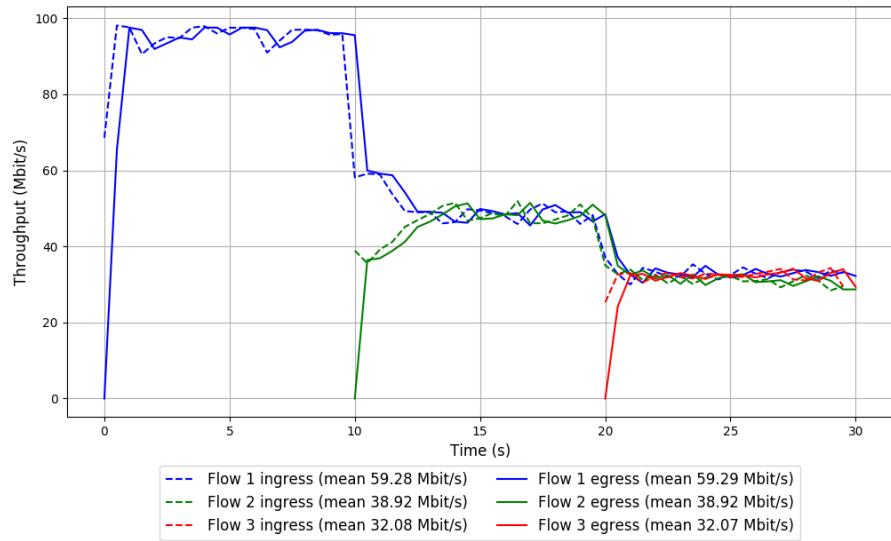


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-19 10:38:16
End at: 2018-06-19 10:38:46
Local clock offset: -1.911 ms
Remote clock offset: -6.805 ms

# Below is generated by plot.py at 2018-06-19 12:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 24.630 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: 24.211 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 26.922 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 24.680 ms
Loss rate: 0.31%
```

Run 6: Report of TCP Cubic — Data Link

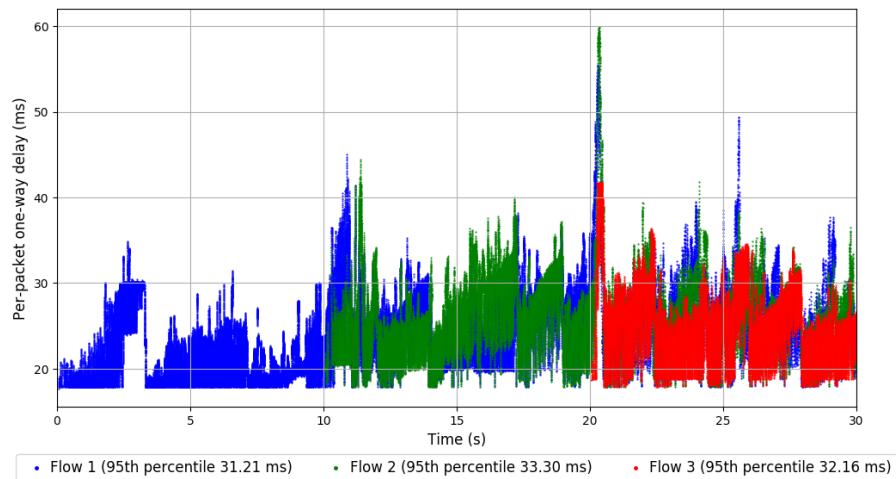
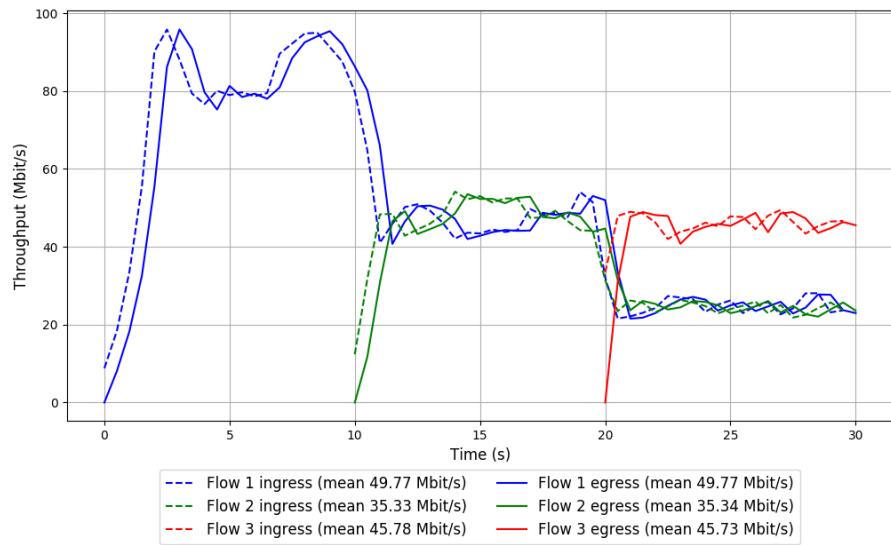


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-19 10:57:40
End at: 2018-06-19 10:58:10
Local clock offset: 2.674 ms
Remote clock offset: -6.266 ms

# Below is generated by plot.py at 2018-06-19 12:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 32.148 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 49.77 Mbit/s
95th percentile per-packet one-way delay: 31.210 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 35.34 Mbit/s
95th percentile per-packet one-way delay: 33.301 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 45.73 Mbit/s
95th percentile per-packet one-way delay: 32.159 ms
Loss rate: 0.39%
```

### Run 7: Report of TCP Cubic — Data Link

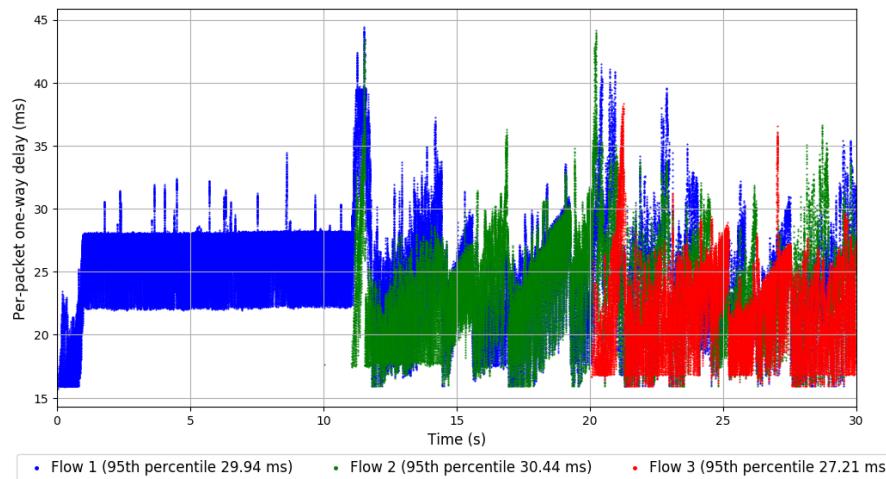
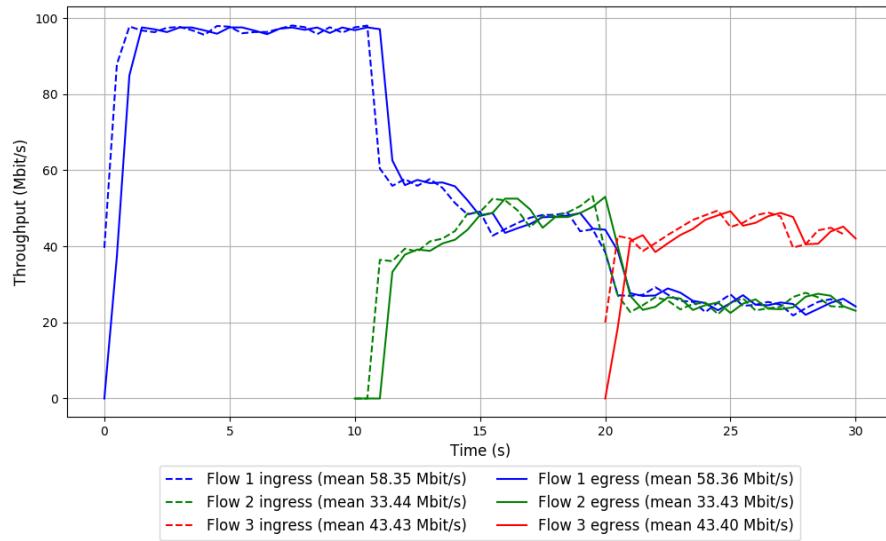


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-19 11:16:47
End at: 2018-06-19 11:17:17
Local clock offset: 1.259 ms
Remote clock offset: -3.392 ms

# Below is generated by plot.py at 2018-06-19 12:21:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 29.833 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 58.36 Mbit/s
95th percentile per-packet one-way delay: 29.938 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.43 Mbit/s
95th percentile per-packet one-way delay: 30.438 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 43.40 Mbit/s
95th percentile per-packet one-way delay: 27.215 ms
Loss rate: 0.35%
```

### Run 8: Report of TCP Cubic — Data Link

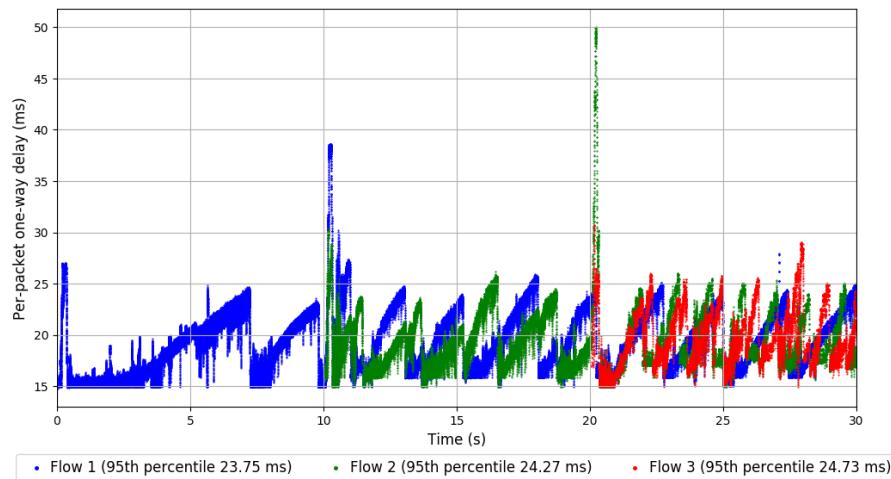
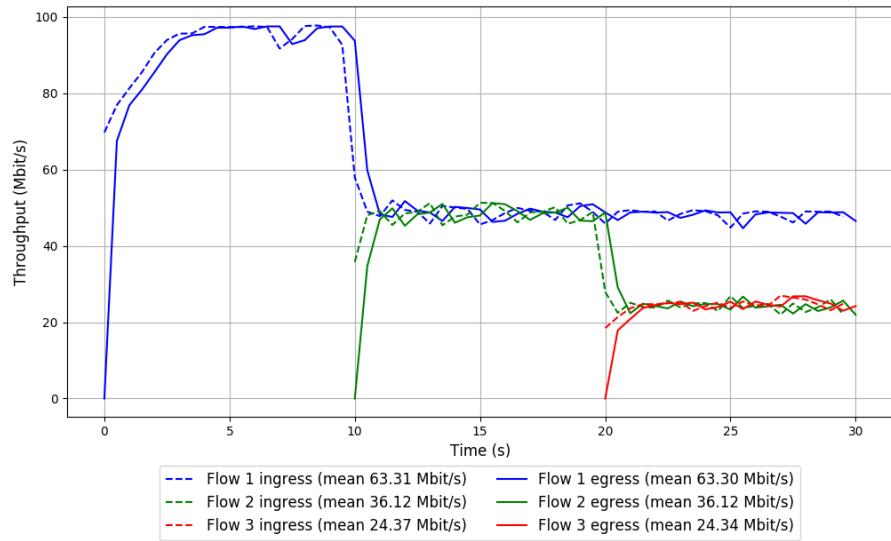


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-19 11:35:49
End at: 2018-06-19 11:36:19
Local clock offset: 1.718 ms
Remote clock offset: -0.365 ms

# Below is generated by plot.py at 2018-06-19 12:21:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.42 Mbit/s
95th percentile per-packet one-way delay: 23.951 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 63.30 Mbit/s
95th percentile per-packet one-way delay: 23.754 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.12 Mbit/s
95th percentile per-packet one-way delay: 24.273 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 24.734 ms
Loss rate: 0.38%
```

### Run 9: Report of TCP Cubic — Data Link

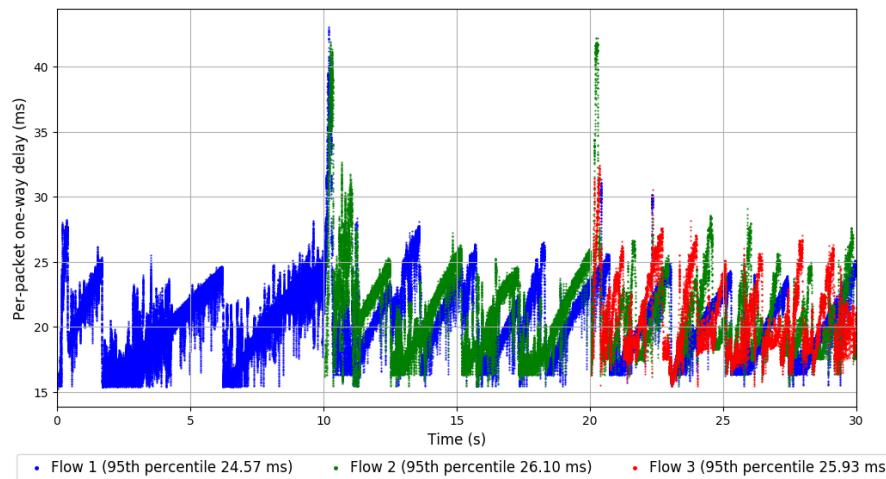
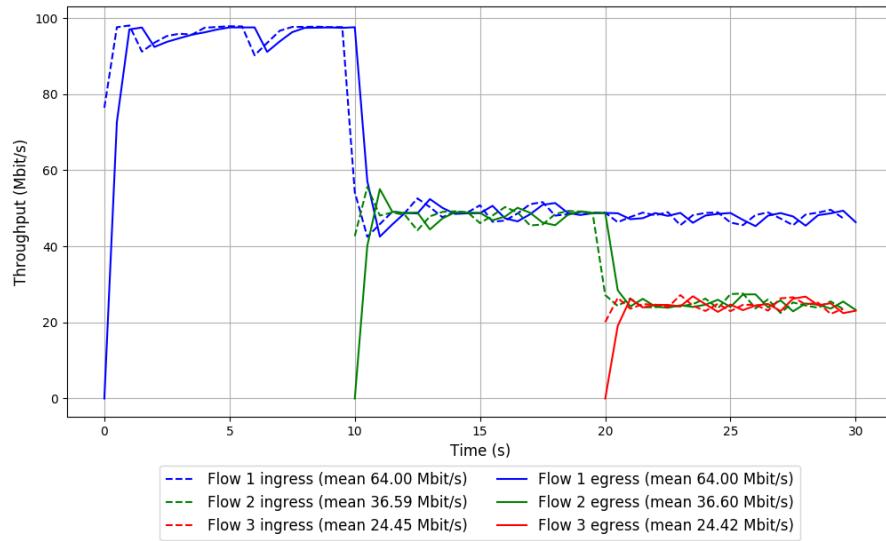


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-06-19 11:54:55
End at: 2018-06-19 11:55:25
Local clock offset: 1.372 ms
Remote clock offset: 1.152 ms

# Below is generated by plot.py at 2018-06-19 12:21:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 25.215 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 64.00 Mbit/s
95th percentile per-packet one-way delay: 24.572 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 26.101 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 25.934 ms
Loss rate: 0.34%
```

### Run 10: Report of TCP Cubic — Data Link

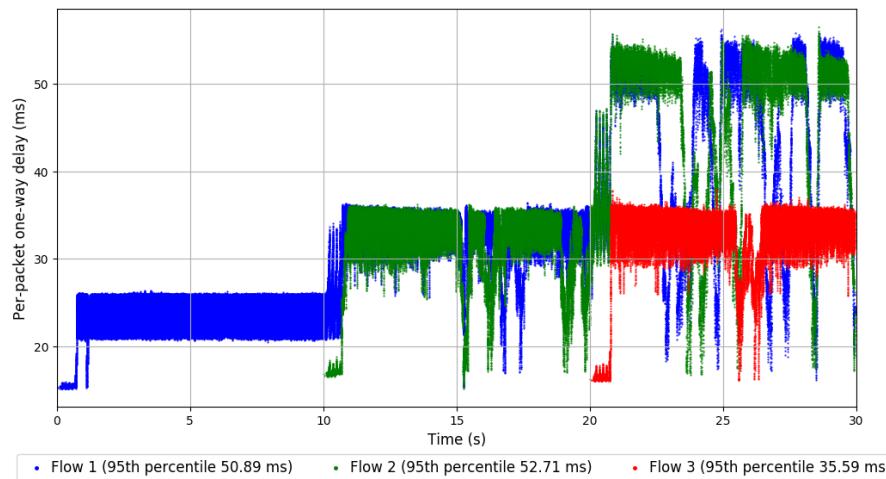
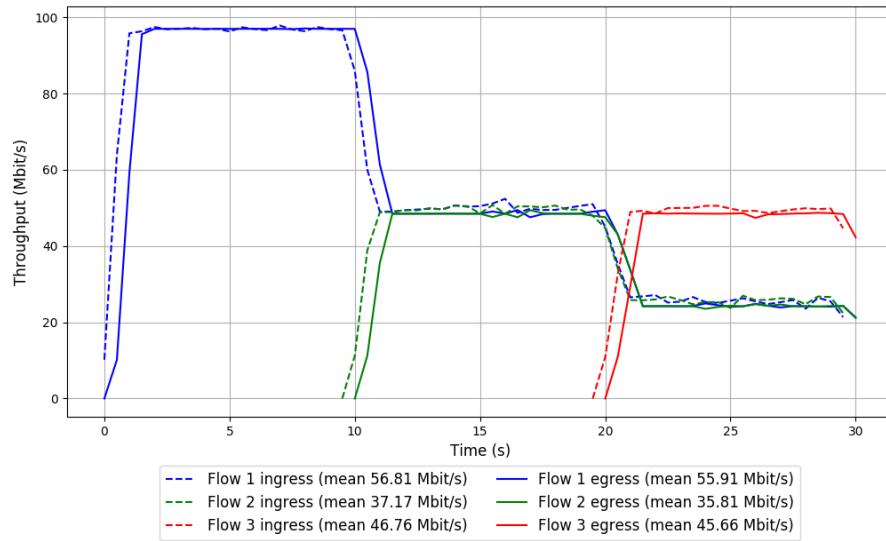


```
Run 1: Statistics of FillP

Start at: 2018-06-19 09:05:09
End at: 2018-06-19 09:05:39
Local clock offset: -1.702 ms
Remote clock offset: -0.853 ms

# Below is generated by plot.py at 2018-06-19 12:22:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 51.607 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 55.91 Mbit/s
95th percentile per-packet one-way delay: 50.889 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 35.81 Mbit/s
95th percentile per-packet one-way delay: 52.714 ms
Loss rate: 3.80%
-- Flow 3:
Average throughput: 45.66 Mbit/s
95th percentile per-packet one-way delay: 35.587 ms
Loss rate: 2.66%
```

### Run 1: Report of FillP — Data Link

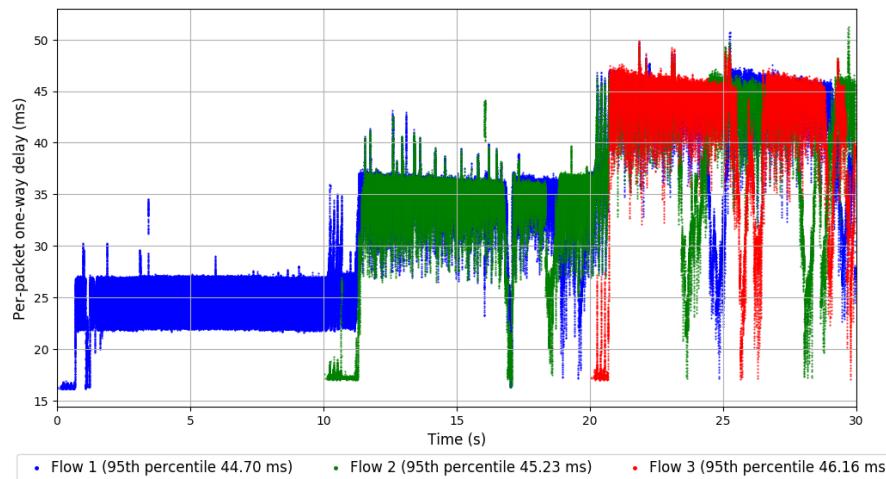
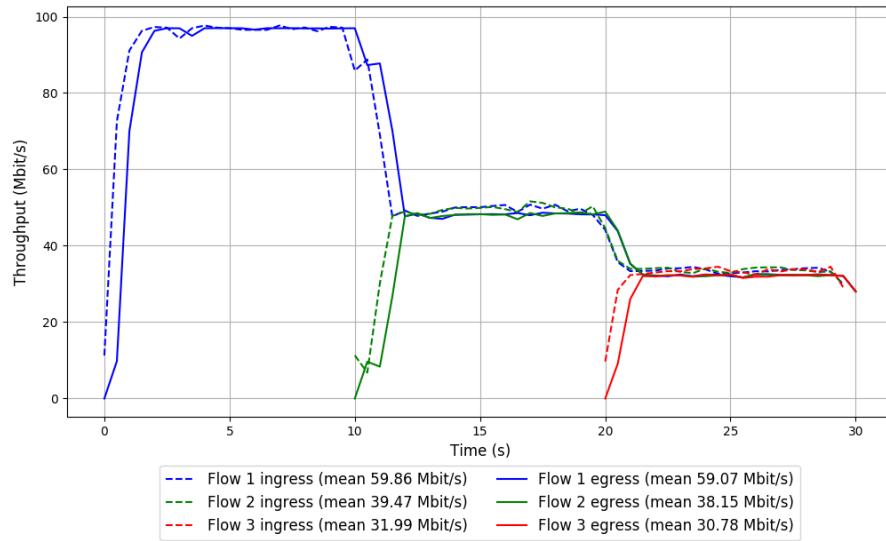


Run 2: Statistics of FillP

```
Start at: 2018-06-19 09:23:54
End at: 2018-06-19 09:24:24
Local clock offset: 0.224 ms
Remote clock offset: -4.671 ms

# Below is generated by plot.py at 2018-06-19 12:22:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 45.292 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 59.07 Mbit/s
95th percentile per-packet one-way delay: 44.701 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: 45.230 ms
Loss rate: 3.52%
-- Flow 3:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 46.164 ms
Loss rate: 4.06%
```

## Run 2: Report of FillP — Data Link

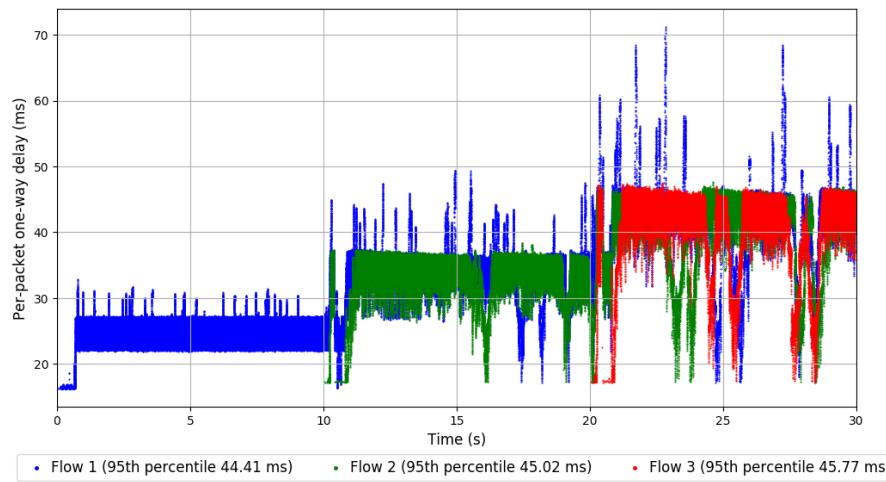
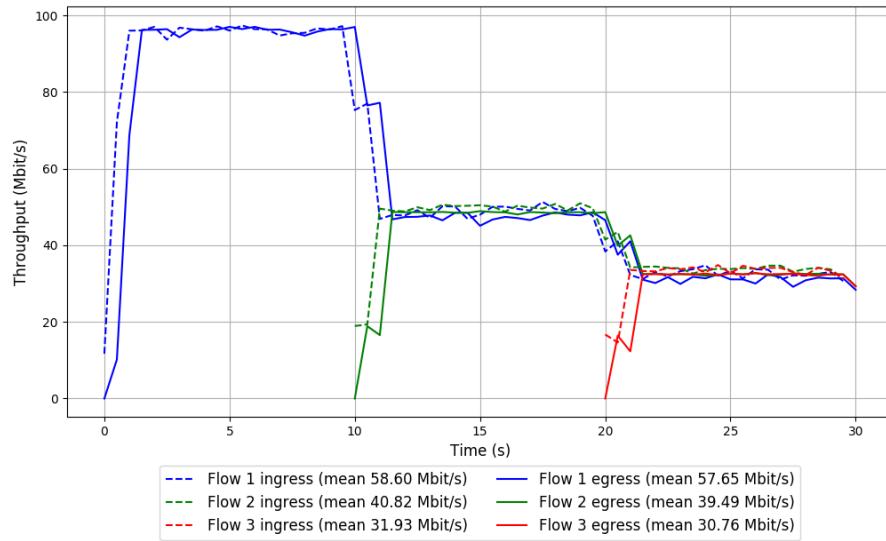


Run 3: Statistics of FillP

```
Start at: 2018-06-19 09:42:56
End at: 2018-06-19 09:43:26
Local clock offset: 0.77 ms
Remote clock offset: -5.987 ms

# Below is generated by plot.py at 2018-06-19 12:22:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 45.038 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 57.65 Mbit/s
95th percentile per-packet one-way delay: 44.406 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 45.020 ms
Loss rate: 3.42%
-- Flow 3:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 45.772 ms
Loss rate: 4.00%
```

### Run 3: Report of FillP — Data Link

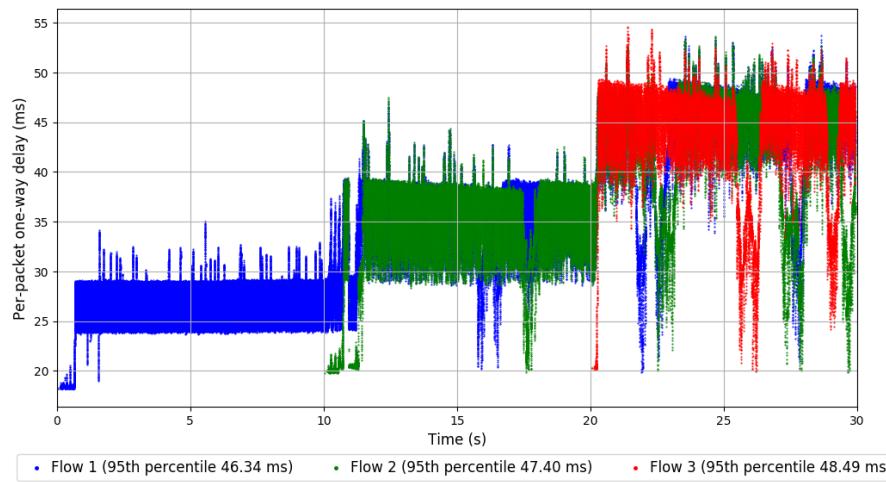
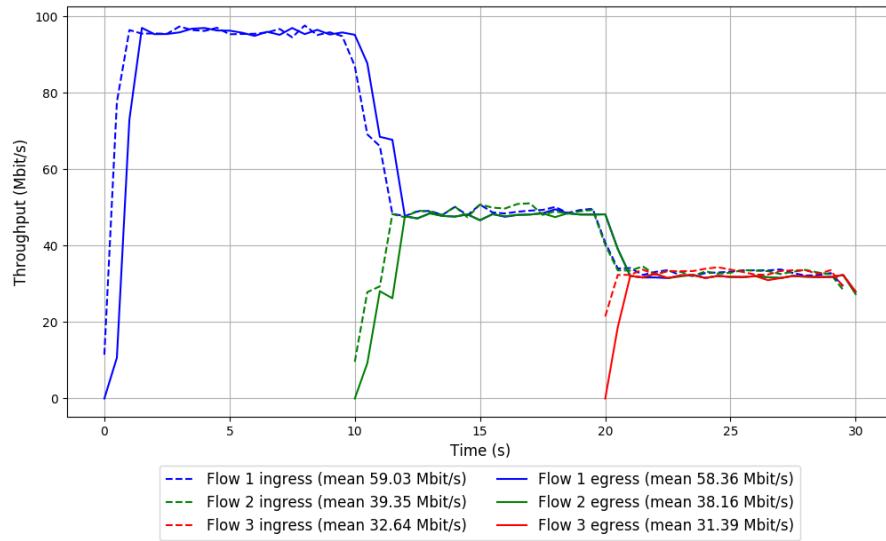


Run 4: Statistics of FillP

```
Start at: 2018-06-19 10:02:10
End at: 2018-06-19 10:02:40
Local clock offset: -0.334 ms
Remote clock offset: -4.46 ms

# Below is generated by plot.py at 2018-06-19 12:22:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 47.304 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 58.36 Mbit/s
95th percentile per-packet one-way delay: 46.338 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 38.16 Mbit/s
95th percentile per-packet one-way delay: 47.400 ms
Loss rate: 3.11%
-- Flow 3:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 48.488 ms
Loss rate: 4.25%
```

## Run 4: Report of FillP — Data Link

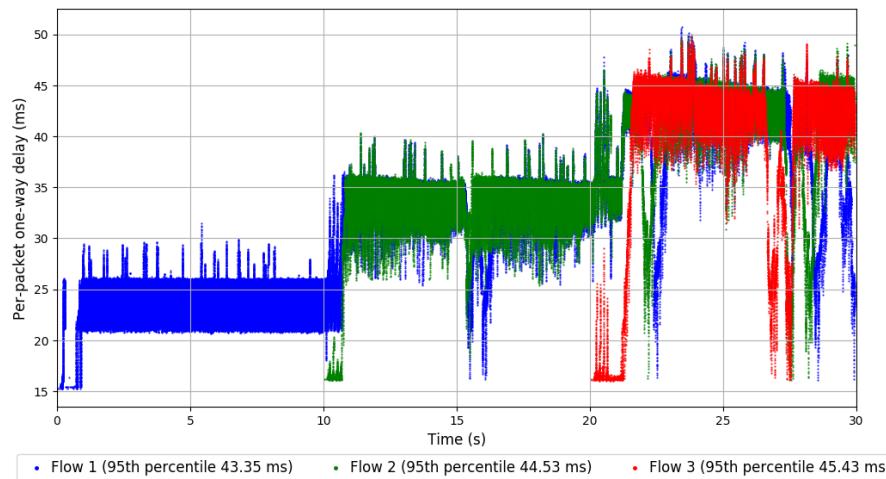
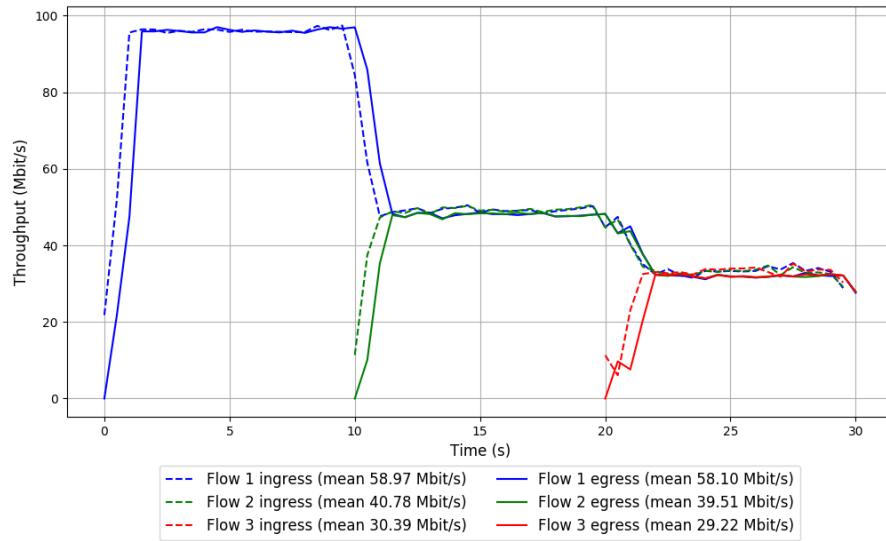


Run 5: Statistics of FillP

```
Start at: 2018-06-19 10:21:33
End at: 2018-06-19 10:22:03
Local clock offset: -3.116 ms
Remote clock offset: -2.962 ms

# Below is generated by plot.py at 2018-06-19 12:22:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.06 Mbit/s
95th percentile per-packet one-way delay: 44.274 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 43.348 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 44.530 ms
Loss rate: 3.26%
-- Flow 3:
Average throughput: 29.22 Mbit/s
95th percentile per-packet one-way delay: 45.430 ms
Loss rate: 4.22%
```

Run 5: Report of FillP — Data Link

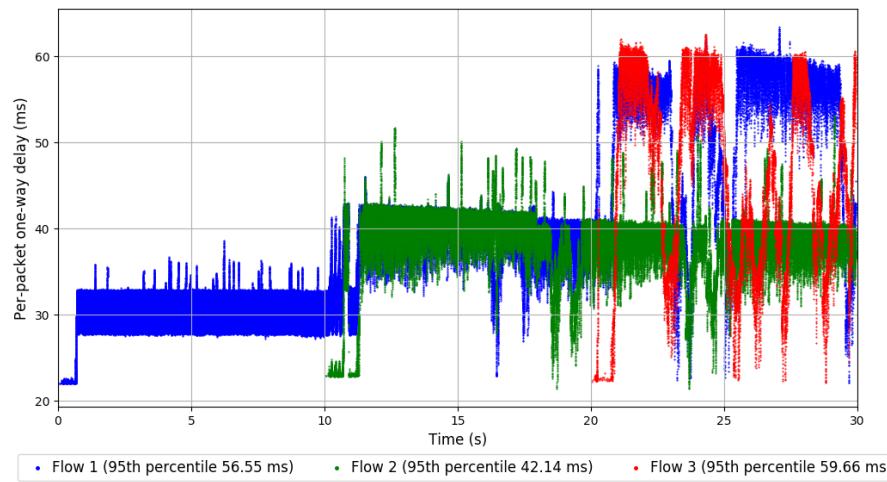
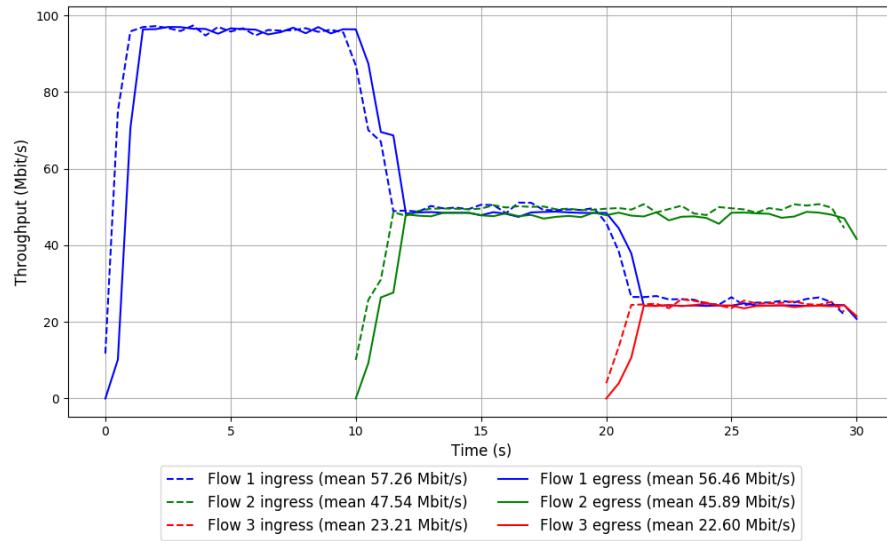


Run 6: Statistics of FillP

```
Start at: 2018-06-19 10:40:41
End at: 2018-06-19 10:41:11
Local clock offset: 2.003 ms
Remote clock offset: -8.138 ms

# Below is generated by plot.py at 2018-06-19 12:22:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 56.426 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 56.46 Mbit/s
95th percentile per-packet one-way delay: 56.550 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 45.89 Mbit/s
95th percentile per-packet one-way delay: 42.137 ms
Loss rate: 3.61%
-- Flow 3:
Average throughput: 22.60 Mbit/s
95th percentile per-packet one-way delay: 59.657 ms
Loss rate: 3.02%
```

Run 6: Report of FillP — Data Link

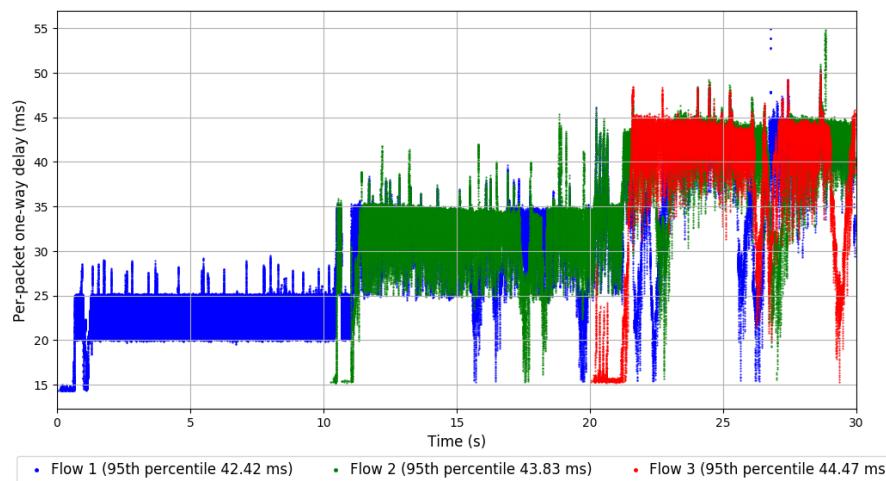
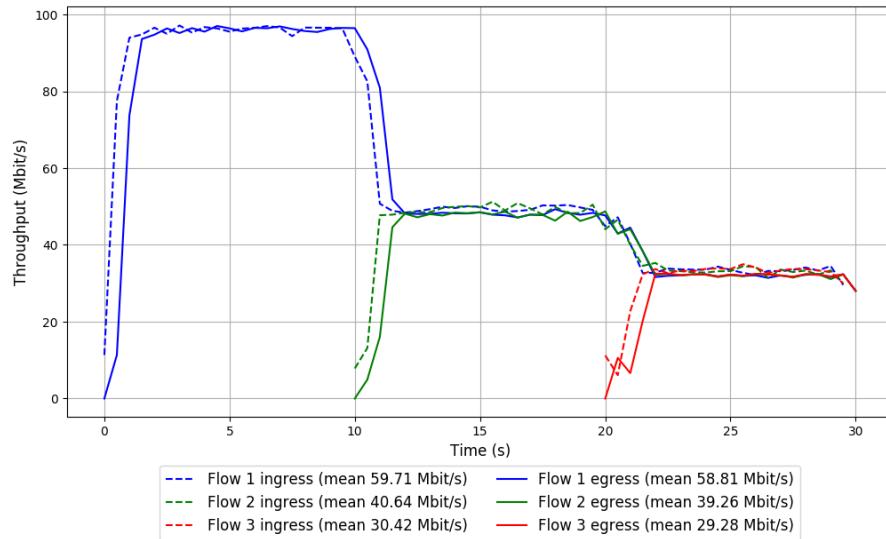


Run 7: Statistics of FillP

```
Start at: 2018-06-19 11:00:01
End at: 2018-06-19 11:00:31
Local clock offset: 2.03 ms
Remote clock offset: -4.842 ms

# Below is generated by plot.py at 2018-06-19 12:22:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.33 Mbit/s
95th percentile per-packet one-way delay: 43.528 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 42.420 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 39.26 Mbit/s
95th percentile per-packet one-way delay: 43.828 ms
Loss rate: 3.52%
-- Flow 3:
Average throughput: 29.28 Mbit/s
95th percentile per-packet one-way delay: 44.470 ms
Loss rate: 4.10%
```

### Run 7: Report of FillP — Data Link

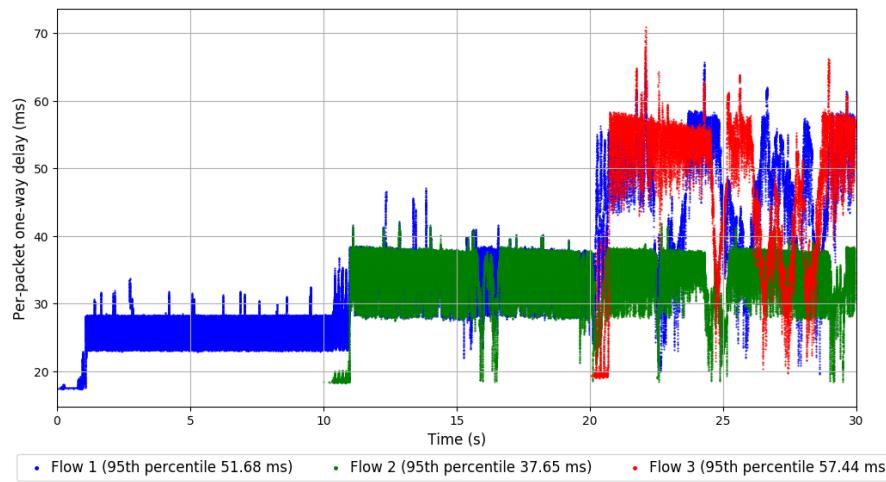
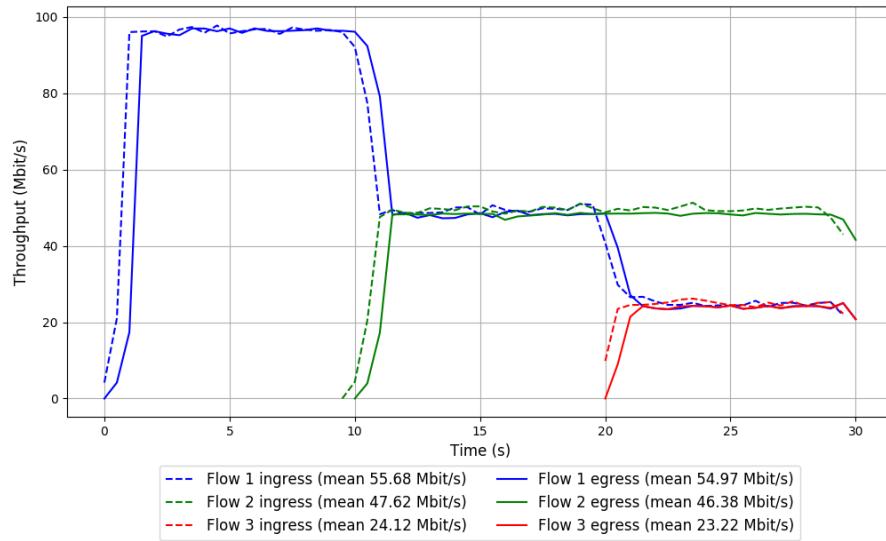


Run 8: Statistics of FillP

```
Start at: 2018-06-19 11:19:10
End at: 2018-06-19 11:19:40
Local clock offset: 0.364 ms
Remote clock offset: -5.867 ms

# Below is generated by plot.py at 2018-06-19 12:22:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 53.569 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 54.97 Mbit/s
95th percentile per-packet one-way delay: 51.677 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 46.38 Mbit/s
95th percentile per-packet one-way delay: 37.647 ms
Loss rate: 2.77%
-- Flow 3:
Average throughput: 23.22 Mbit/s
95th percentile per-packet one-way delay: 57.442 ms
Loss rate: 4.18%
```

Run 8: Report of FillP — Data Link

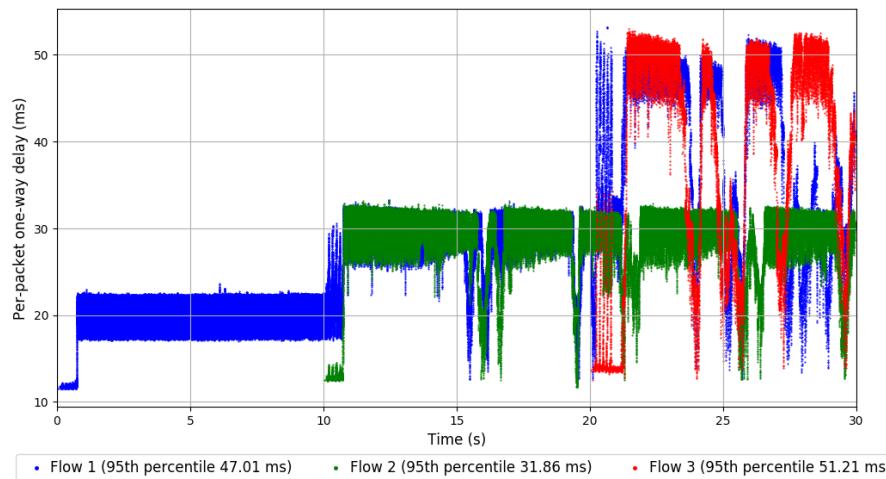
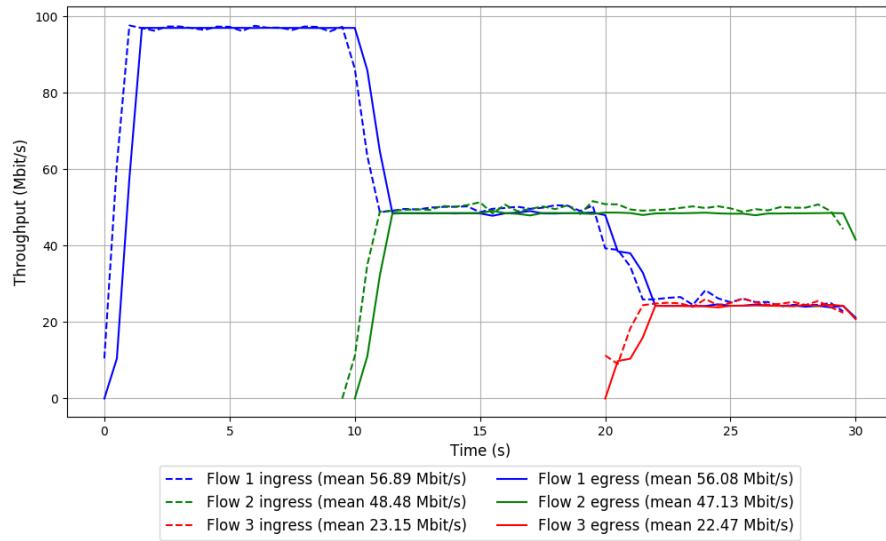


Run 9: Statistics of FillP

```
Start at: 2018-06-19 11:38:09
End at: 2018-06-19 11:38:39
Local clock offset: -1.221 ms
Remote clock offset: 0.24 ms

# Below is generated by plot.py at 2018-06-19 12:23:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 47.796 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 56.08 Mbit/s
95th percentile per-packet one-way delay: 47.006 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 47.13 Mbit/s
95th percentile per-packet one-way delay: 31.864 ms
Loss rate: 2.89%
-- Flow 3:
Average throughput: 22.47 Mbit/s
95th percentile per-packet one-way delay: 51.210 ms
Loss rate: 3.19%
```

Run 9: Report of FillP — Data Link

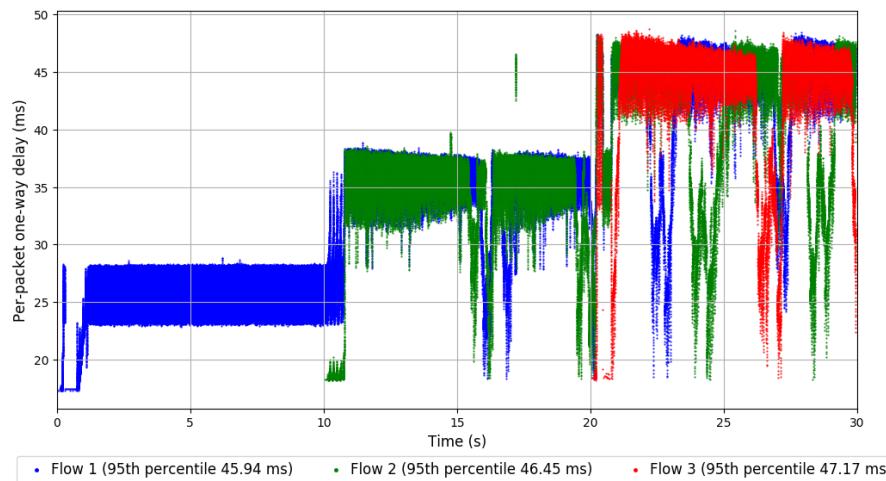
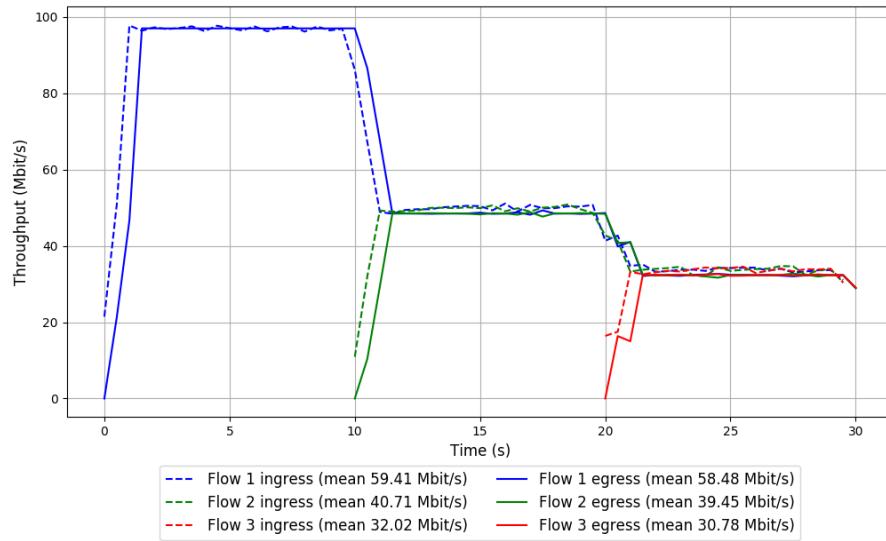


Run 10: Statistics of FillP

```
Start at: 2018-06-19 11:57:15
End at: 2018-06-19 11:57:45
Local clock offset: 3.077 ms
Remote clock offset: 1.119 ms

# Below is generated by plot.py at 2018-06-19 12:23:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 46.458 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 58.48 Mbit/s
95th percentile per-packet one-way delay: 45.943 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 46.447 ms
Loss rate: 3.26%
-- Flow 3:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 47.175 ms
Loss rate: 4.13%
```

Run 10: Report of FillP — Data Link

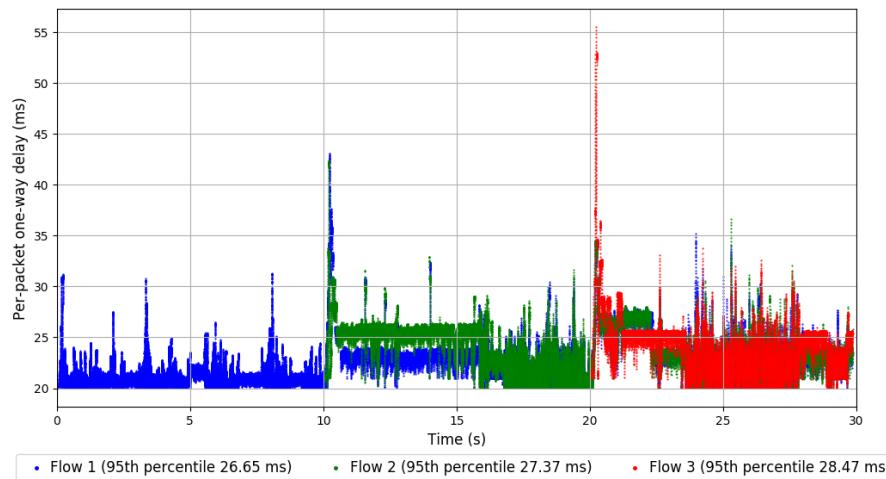
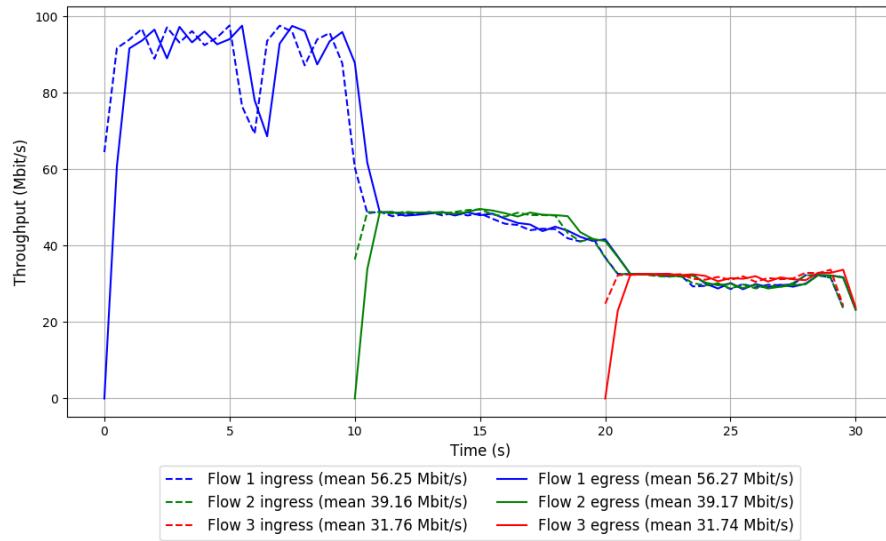


Run 1: Statistics of Indigo

```
Start at: 2018-06-19 09:08:41
End at: 2018-06-19 09:09:11
Local clock offset: 1.654 ms
Remote clock offset: -0.988 ms

# Below is generated by plot.py at 2018-06-19 12:23:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 27.192 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 26.647 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.17 Mbit/s
95th percentile per-packet one-way delay: 27.370 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 28.472 ms
Loss rate: 0.33%
```

## Run 1: Report of Indigo — Data Link

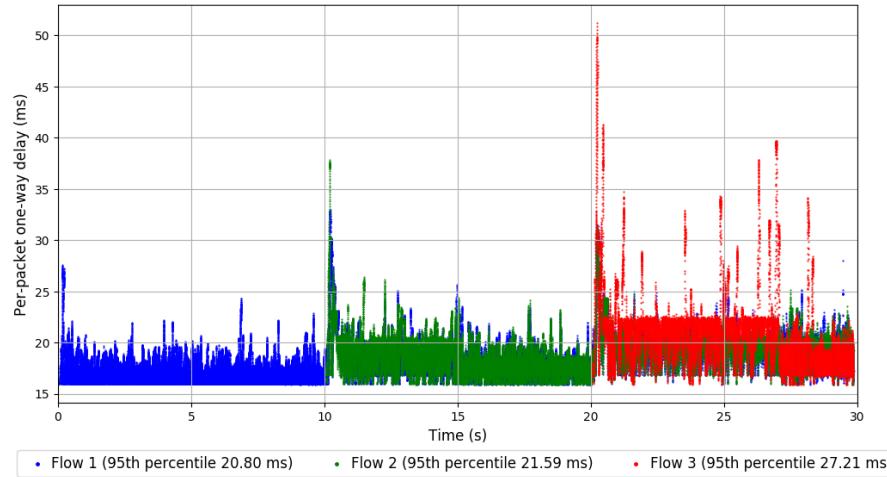
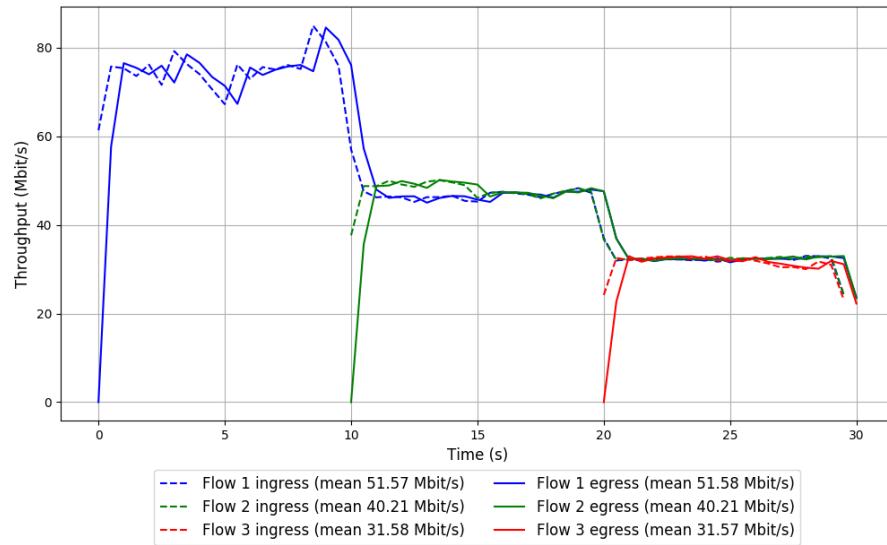


Run 2: Statistics of Indigo

```
Start at: 2018-06-19 09:27:31
End at: 2018-06-19 09:28:01
Local clock offset: -0.54 ms
Remote clock offset: -5.617 ms

# Below is generated by plot.py at 2018-06-19 12:23:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.69 Mbit/s
95th percentile per-packet one-way delay: 22.048 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 51.58 Mbit/s
95th percentile per-packet one-way delay: 20.796 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 21.592 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 27.211 ms
Loss rate: 0.29%
```

## Run 2: Report of Indigo — Data Link

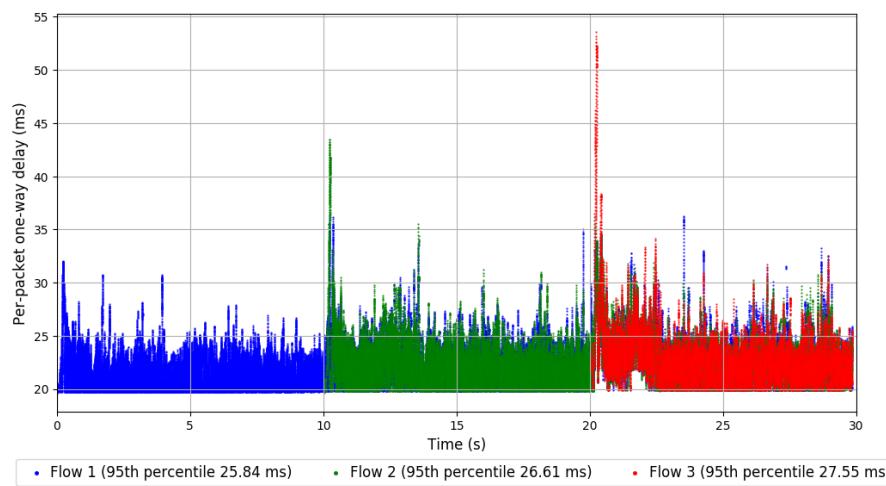
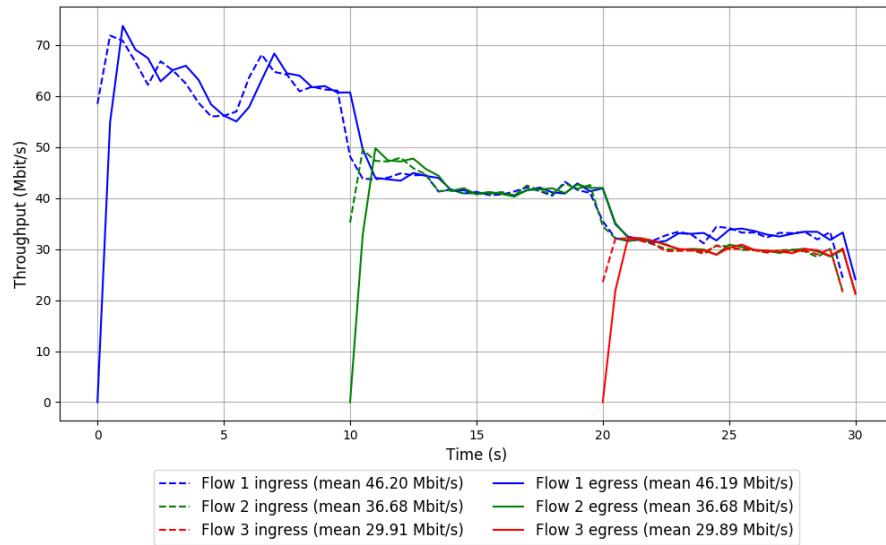


Run 3: Statistics of Indigo

```
Start at: 2018-06-19 09:46:31
End at: 2018-06-19 09:47:01
Local clock offset: 1.041 ms
Remote clock offset: -7.221 ms

# Below is generated by plot.py at 2018-06-19 12:23:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.39 Mbit/s
95th percentile per-packet one-way delay: 26.307 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 46.19 Mbit/s
95th percentile per-packet one-way delay: 25.837 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 26.615 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 27.555 ms
Loss rate: 0.31%
```

### Run 3: Report of Indigo — Data Link

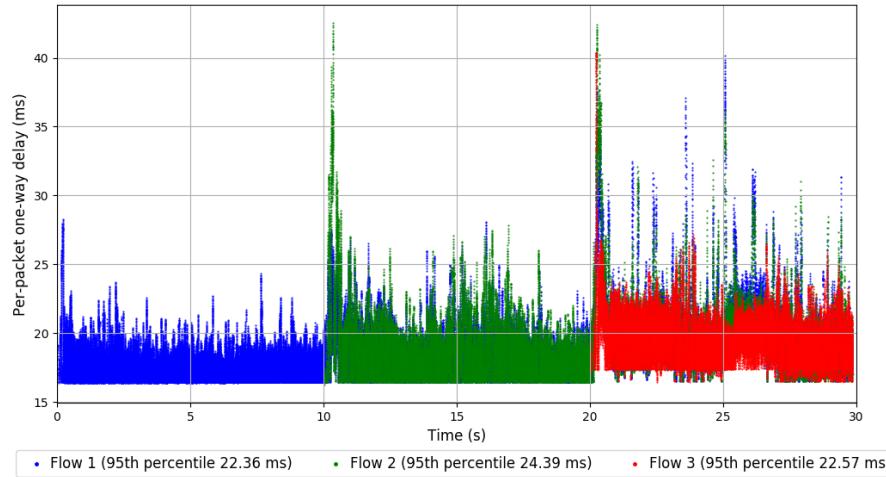
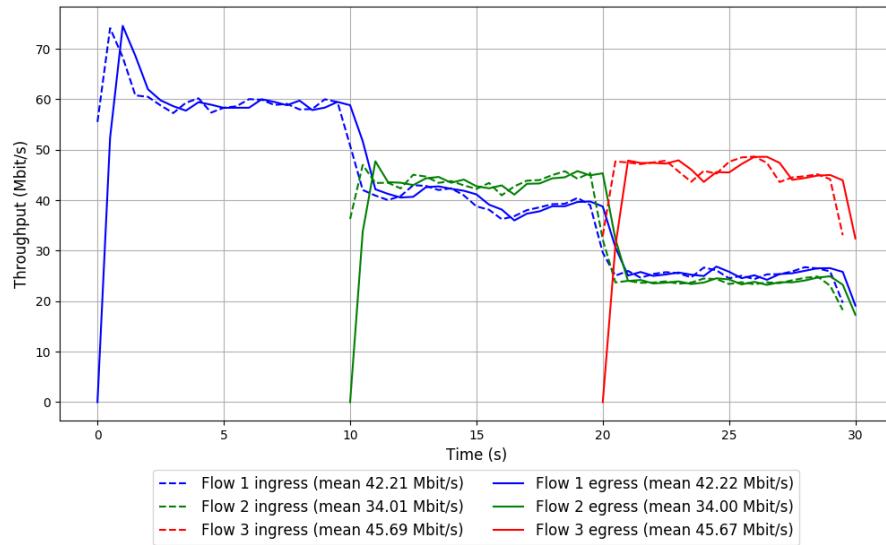


Run 4: Statistics of Indigo

```
Start at: 2018-06-19 10:05:47
End at: 2018-06-19 10:06:17
Local clock offset: 1.592 ms
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-06-19 12:23:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.82 Mbit/s
95th percentile per-packet one-way delay: 22.888 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 42.22 Mbit/s
95th percentile per-packet one-way delay: 22.365 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.00 Mbit/s
95th percentile per-packet one-way delay: 24.388 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 45.67 Mbit/s
95th percentile per-packet one-way delay: 22.569 ms
Loss rate: 0.28%
```

## Run 4: Report of Indigo — Data Link

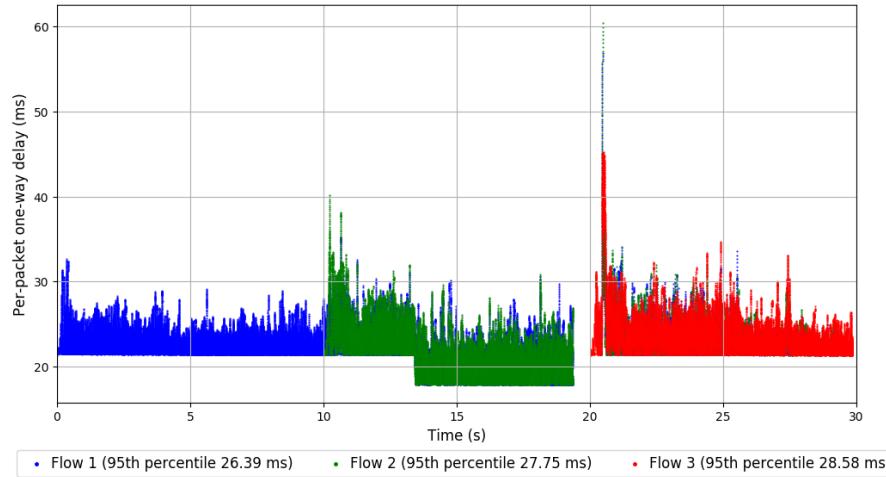
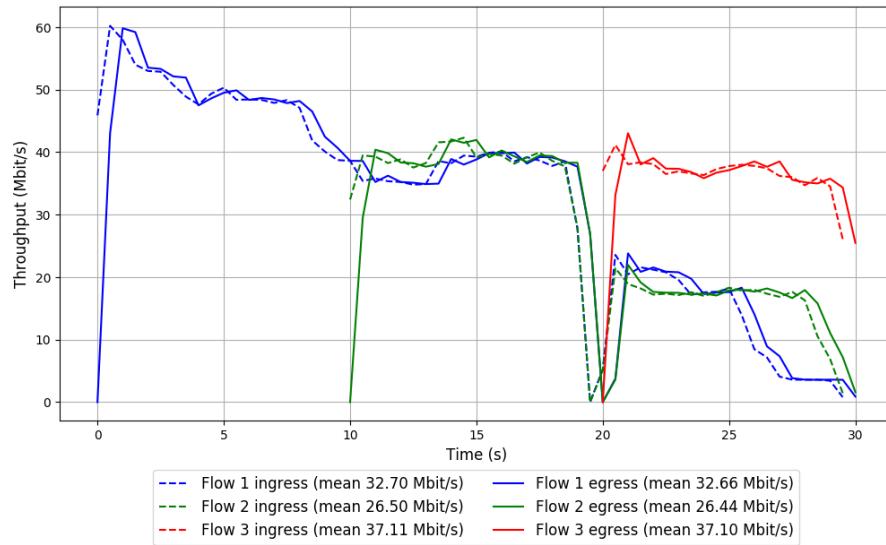


Run 5: Statistics of Indigo

```
Start at: 2018-06-19 10:25:04
End at: 2018-06-19 10:25:34
Local clock offset: 0.172 ms
Remote clock offset: -5.365 ms

# Below is generated by plot.py at 2018-06-19 12:23:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 27.212 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 26.395 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 26.44 Mbit/s
95th percentile per-packet one-way delay: 27.749 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 37.10 Mbit/s
95th percentile per-packet one-way delay: 28.581 ms
Loss rate: 0.33%
```

Run 5: Report of Indigo — Data Link

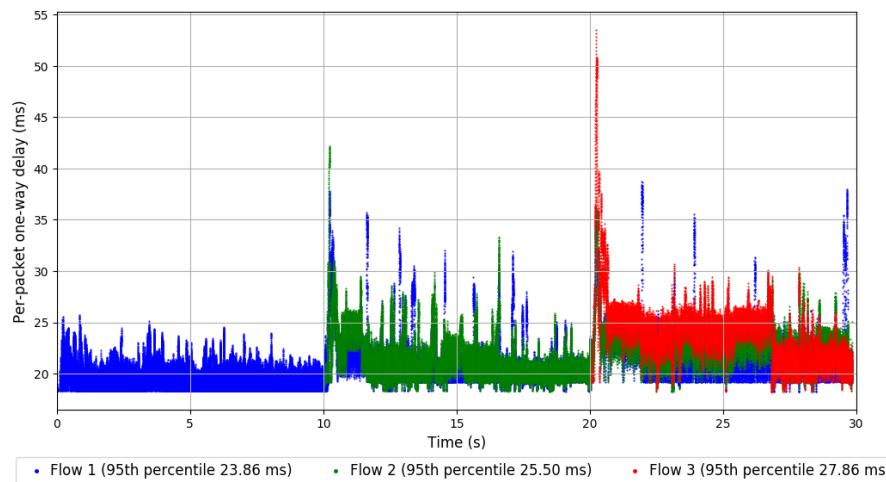
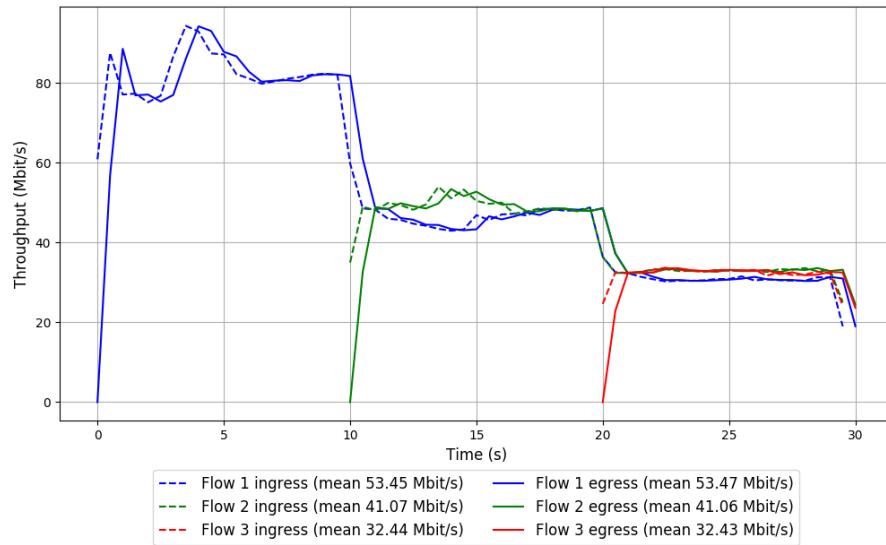


Run 6: Statistics of Indigo

```
Start at: 2018-06-19 10:44:14
End at: 2018-06-19 10:44:44
Local clock offset: 1.892 ms
Remote clock offset: -6.753 ms

# Below is generated by plot.py at 2018-06-19 12:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 25.623 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 53.47 Mbit/s
95th percentile per-packet one-way delay: 23.865 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 41.06 Mbit/s
95th percentile per-packet one-way delay: 25.502 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 27.864 ms
Loss rate: 0.30%
```

Run 6: Report of Indigo — Data Link

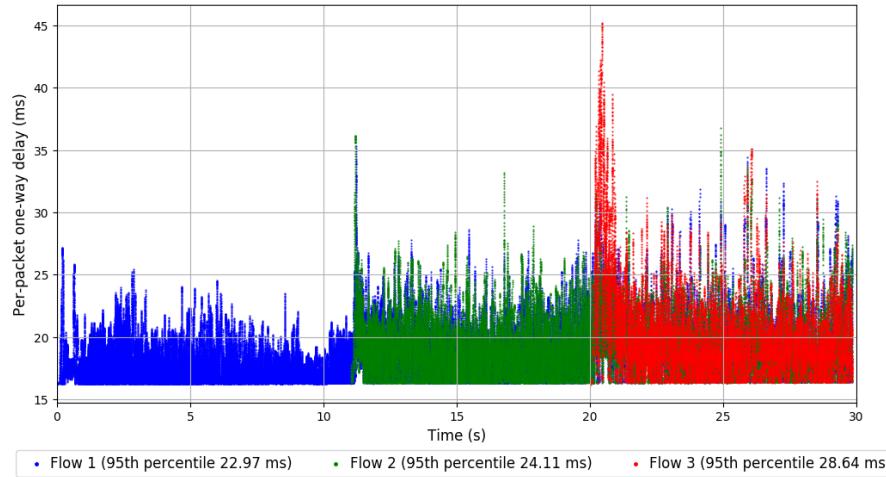
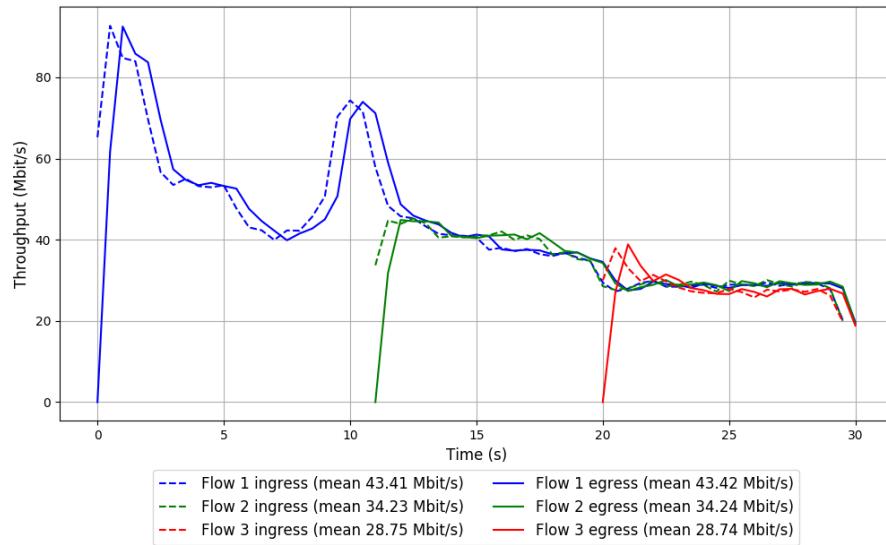


Run 7: Statistics of Indigo

```
Start at: 2018-06-19 11:03:30
End at: 2018-06-19 11:04:00
Local clock offset: 2.985 ms
Remote clock offset: -3.831 ms

# Below is generated by plot.py at 2018-06-19 12:24:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.47 Mbit/s
95th percentile per-packet one-way delay: 24.051 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 43.42 Mbit/s
95th percentile per-packet one-way delay: 22.970 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 24.113 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 28.74 Mbit/s
95th percentile per-packet one-way delay: 28.635 ms
Loss rate: 0.29%
```

Run 7: Report of Indigo — Data Link

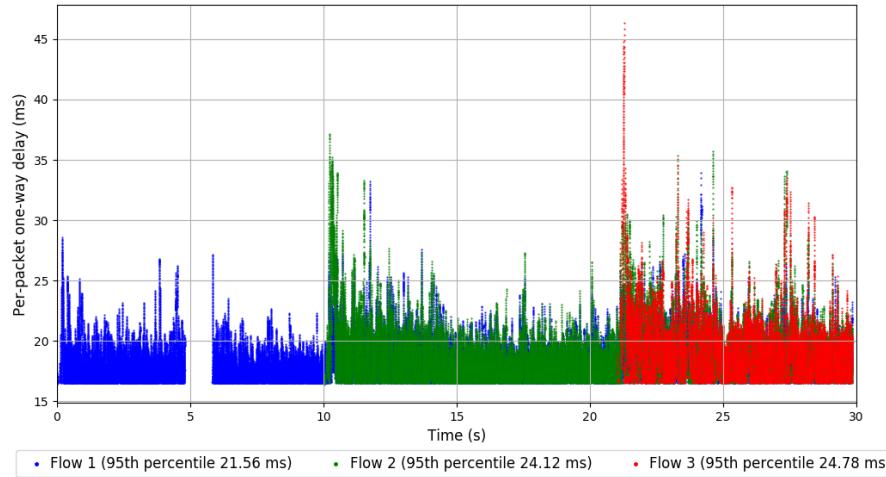
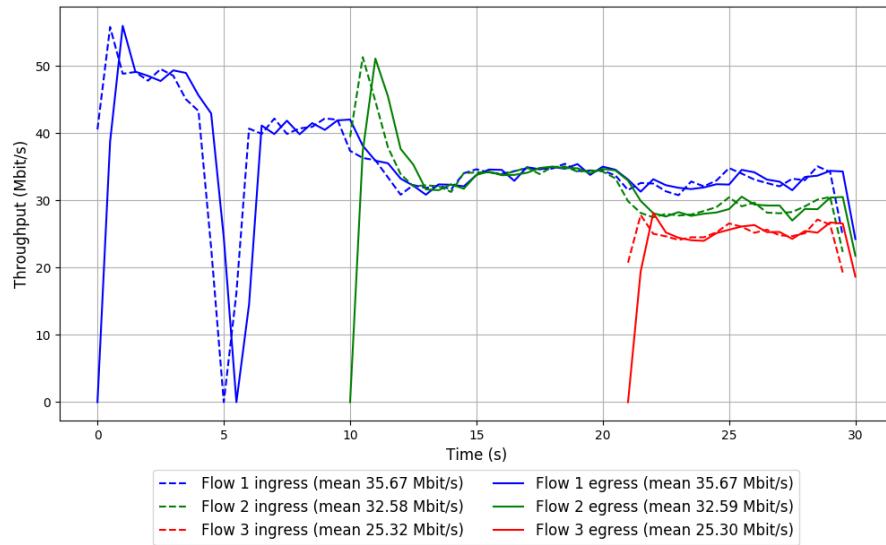


Run 8: Statistics of Indigo

```
Start at: 2018-06-19 11:22:38
End at: 2018-06-19 11:23:08
Local clock offset: 1.763 ms
Remote clock offset: -3.248 ms

# Below is generated by plot.py at 2018-06-19 12:24:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.79 Mbit/s
95th percentile per-packet one-way delay: 22.842 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 35.67 Mbit/s
95th percentile per-packet one-way delay: 21.560 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 32.59 Mbit/s
95th percentile per-packet one-way delay: 24.123 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 25.30 Mbit/s
95th percentile per-packet one-way delay: 24.783 ms
Loss rate: 0.36%
```

Run 8: Report of Indigo — Data Link

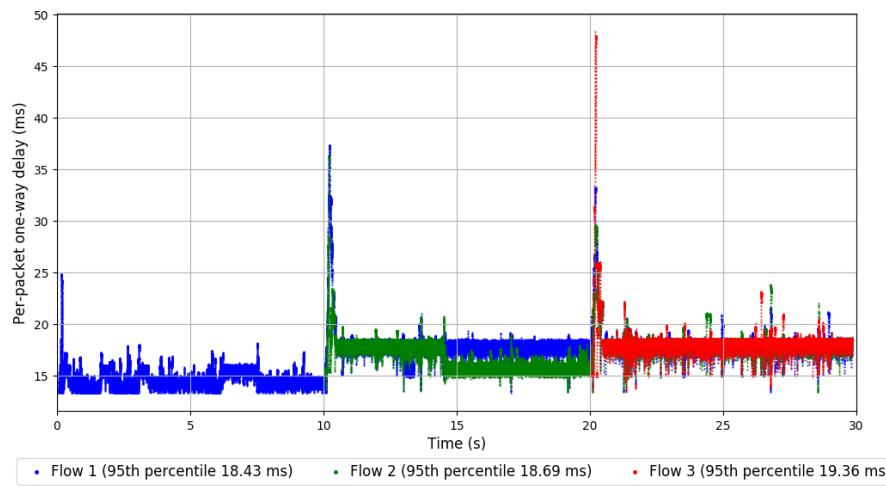
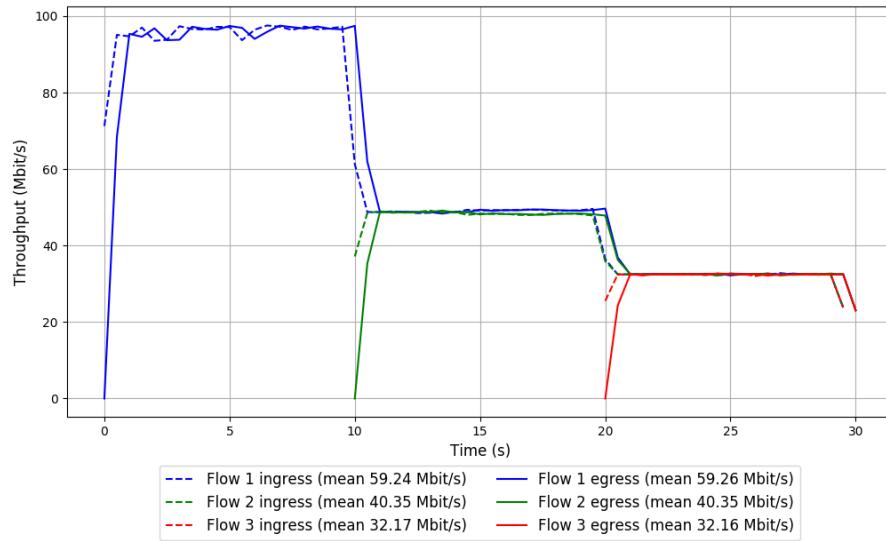


Run 9: Statistics of Indigo

```
Start at: 2018-06-19 11:41:37
End at: 2018-06-19 11:42:07
Local clock offset: 0.076 ms
Remote clock offset: 0.367 ms

# Below is generated by plot.py at 2018-06-19 12:24:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 18.513 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.26 Mbit/s
95th percentile per-packet one-way delay: 18.435 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 18.687 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.16 Mbit/s
95th percentile per-packet one-way delay: 19.360 ms
Loss rate: 0.31%
```

Run 9: Report of Indigo — Data Link

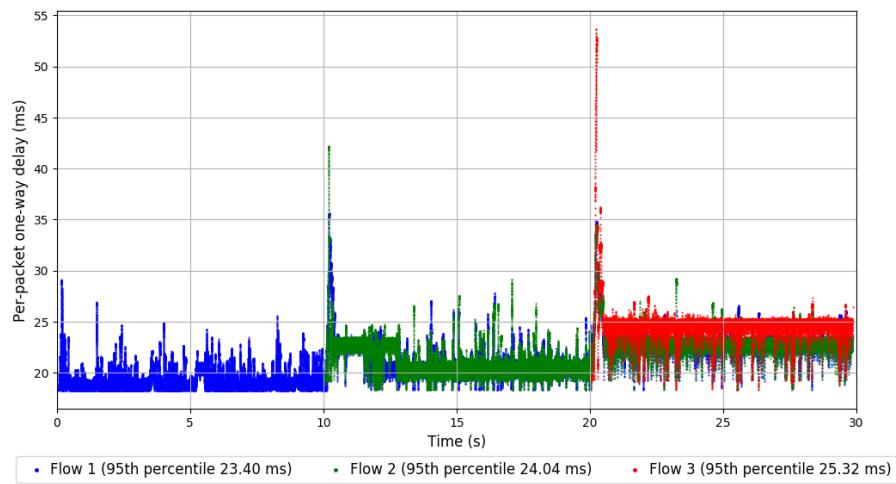
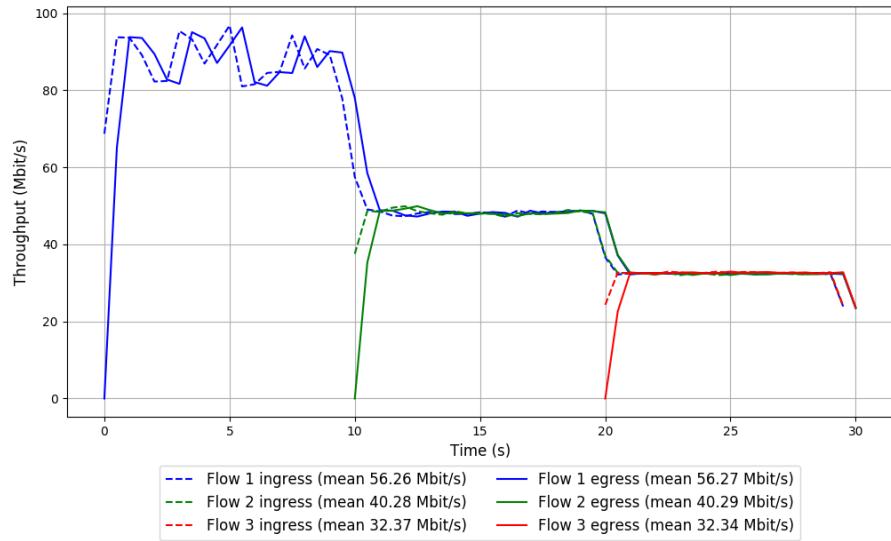


Run 10: Statistics of Indigo

```
Start at: 2018-06-19 12:00:44
End at: 2018-06-19 12:01:14
Local clock offset: 3.16 ms
Remote clock offset: 0.817 ms

# Below is generated by plot.py at 2018-06-19 12:24:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 25.069 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 23.401 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.29 Mbit/s
95th percentile per-packet one-way delay: 24.039 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 25.319 ms
Loss rate: 0.32%
```

Run 10: Report of Indigo — Data Link

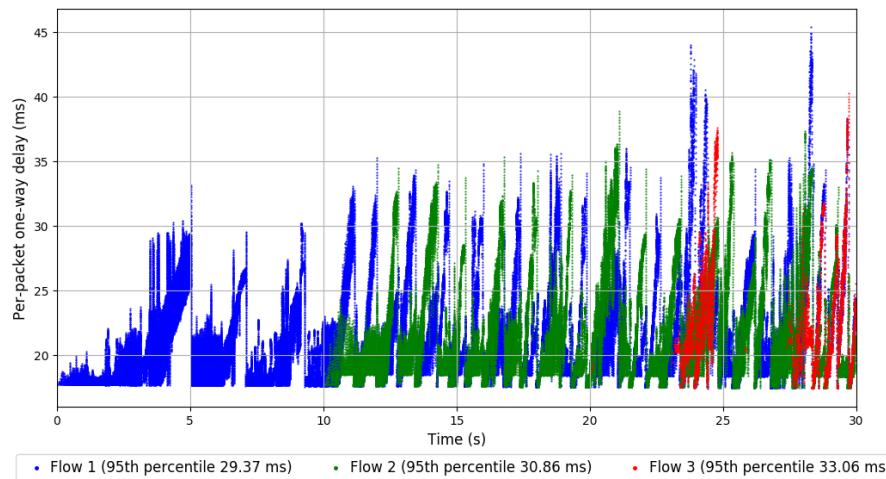
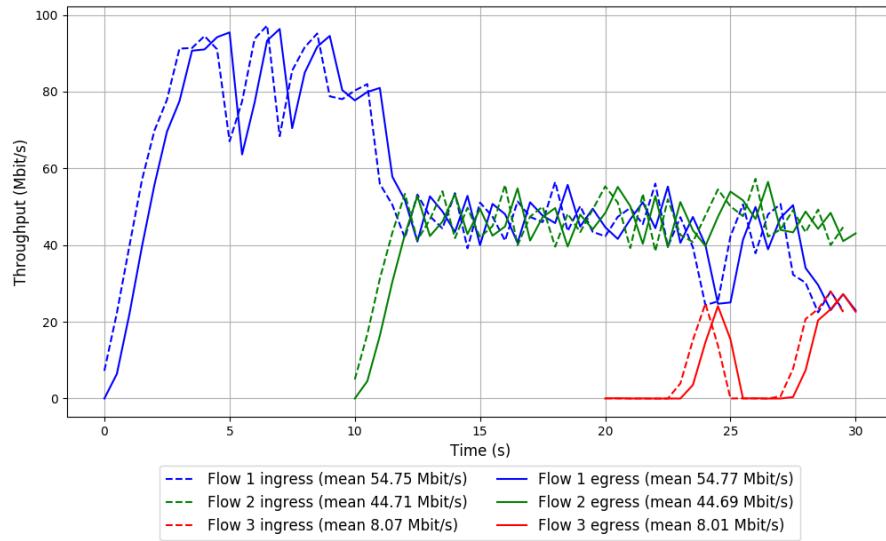


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-19 09:12:11
End at: 2018-06-19 09:12:41
Local clock offset: 0.131 ms
Remote clock offset: -0.728 ms

# Below is generated by plot.py at 2018-06-19 12:24:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 30.045 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 54.77 Mbit/s
95th percentile per-packet one-way delay: 29.367 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 44.69 Mbit/s
95th percentile per-packet one-way delay: 30.860 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 33.064 ms
Loss rate: 1.05%
```

Run 1: Report of LEDBAT — Data Link

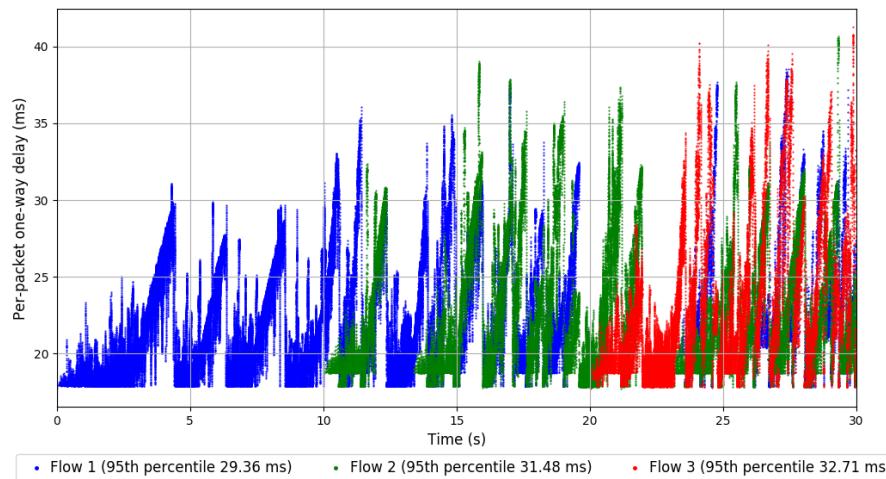
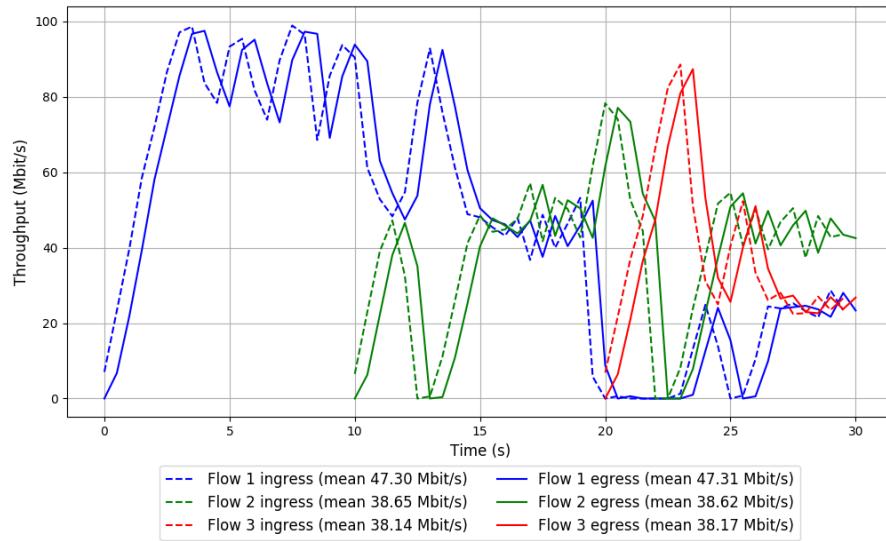


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-19 09:31:00
End at: 2018-06-19 09:31:30
Local clock offset: 2.238 ms
Remote clock offset: -5.15 ms

# Below is generated by plot.py at 2018-06-19 12:24:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 30.718 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 47.31 Mbit/s
95th percentile per-packet one-way delay: 29.357 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.62 Mbit/s
95th percentile per-packet one-way delay: 31.485 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 38.17 Mbit/s
95th percentile per-packet one-way delay: 32.714 ms
Loss rate: 0.18%
```

Run 2: Report of LEDBAT — Data Link

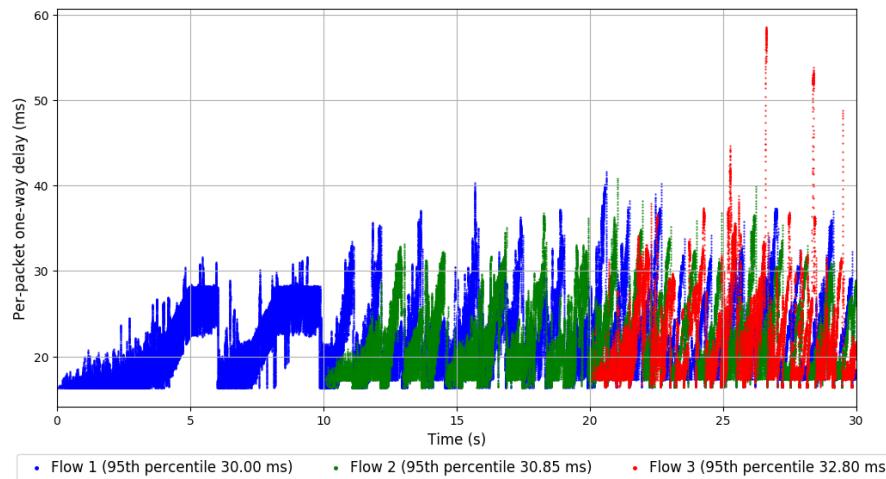
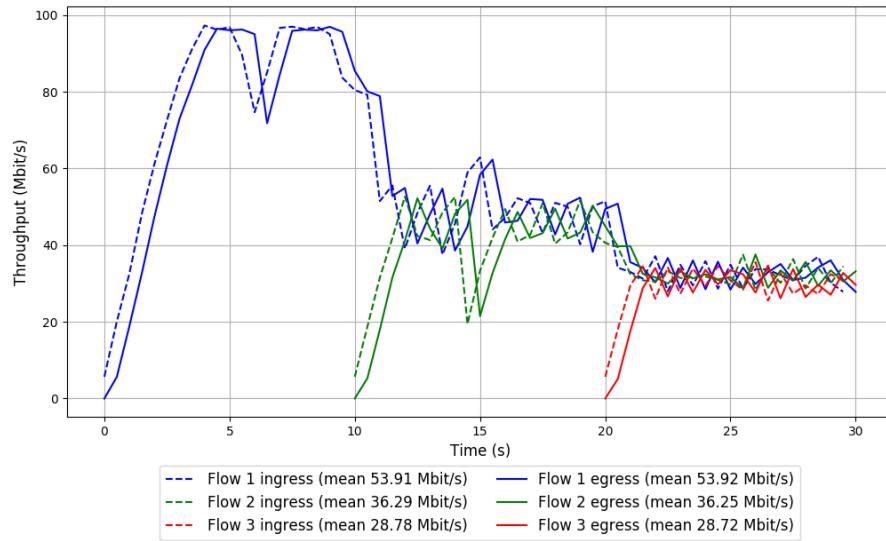


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-19 09:50:03
End at: 2018-06-19 09:50:33
Local clock offset: -1.743 ms
Remote clock offset: -5.508 ms

# Below is generated by plot.py at 2018-06-19 12:24:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.58 Mbit/s
95th percentile per-packet one-way delay: 30.646 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: 30.002 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 30.850 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 32.796 ms
Loss rate: 0.45%
```

Run 3: Report of LEDBAT — Data Link

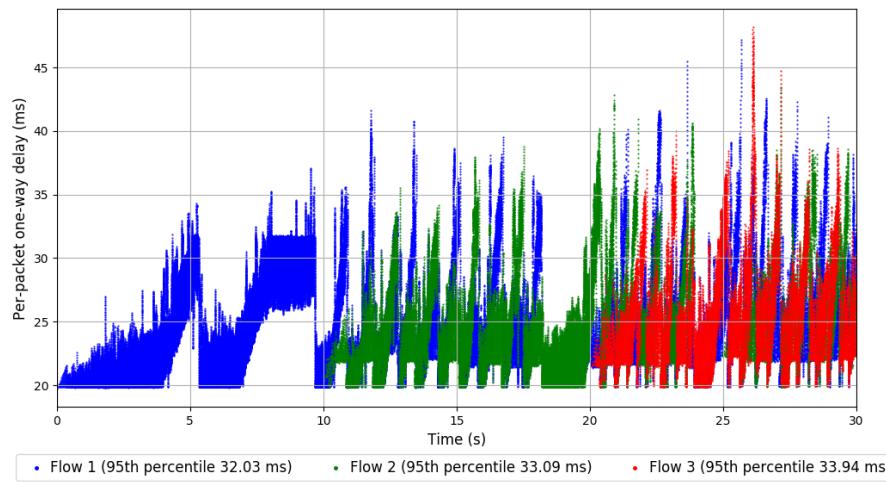
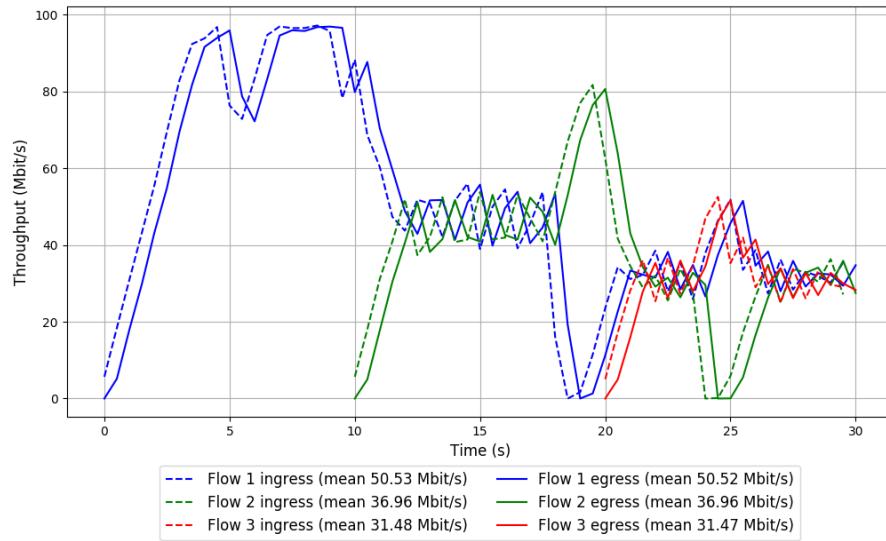


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-19 10:09:35
End at: 2018-06-19 10:10:05
Local clock offset: 0.104 ms
Remote clock offset: -4.38 ms

# Below is generated by plot.py at 2018-06-19 12:25:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.56 Mbit/s
95th percentile per-packet one-way delay: 32.684 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 50.52 Mbit/s
95th percentile per-packet one-way delay: 32.027 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 33.093 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 33.939 ms
Loss rate: 0.36%
```

Run 4: Report of LEDBAT — Data Link

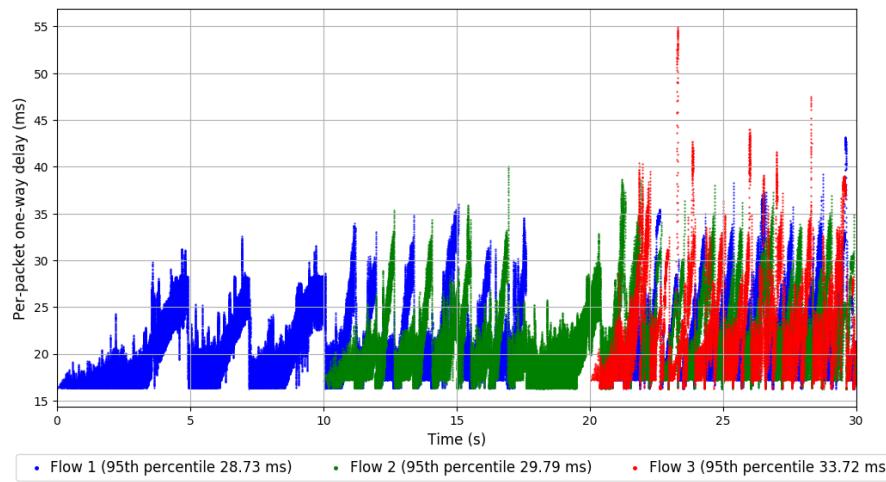
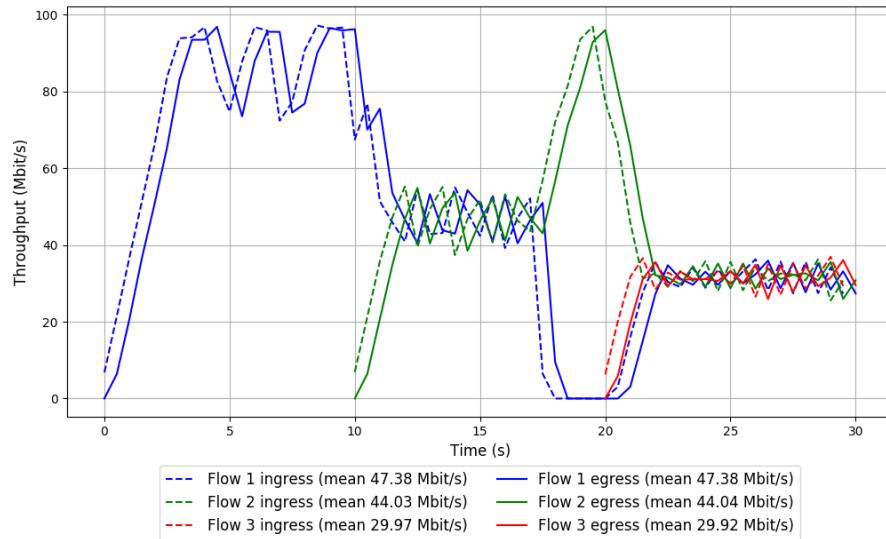


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-19 10:28:49
End at: 2018-06-19 10:29:19
Local clock offset: 0.294 ms
Remote clock offset: -4.512 ms

# Below is generated by plot.py at 2018-06-19 12:25:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 29.860 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 47.38 Mbit/s
95th percentile per-packet one-way delay: 28.731 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 44.04 Mbit/s
95th percentile per-packet one-way delay: 29.788 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 29.92 Mbit/s
95th percentile per-packet one-way delay: 33.715 ms
Loss rate: 0.39%
```

Run 5: Report of LEDBAT — Data Link

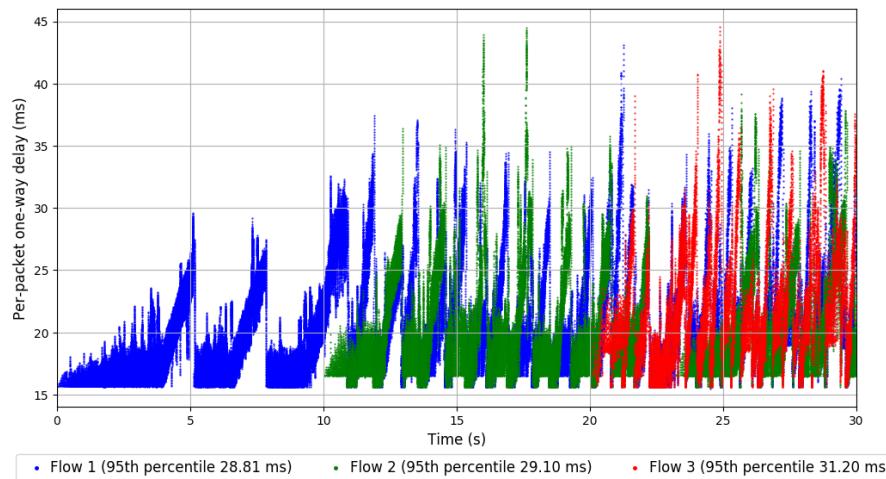
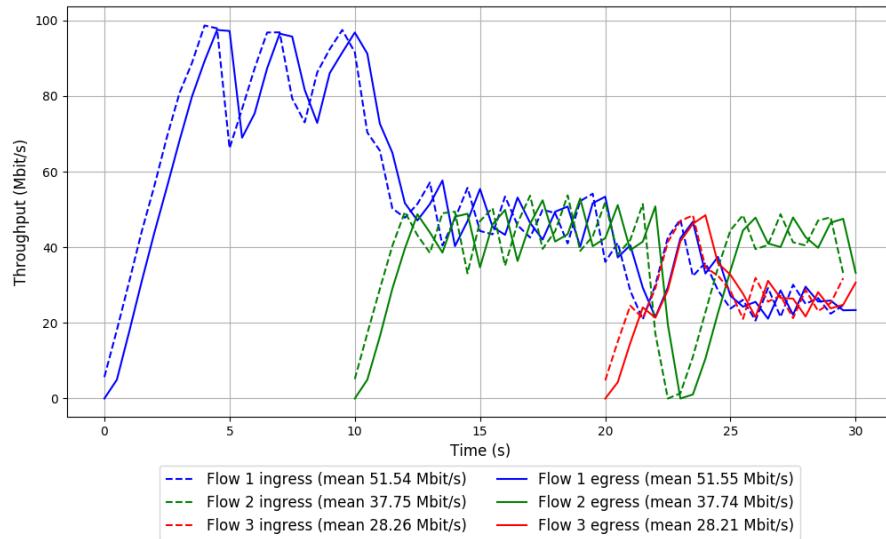


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-19 10:48:04
End at: 2018-06-19 10:48:34
Local clock offset: -1.045 ms
Remote clock offset: -7.7 ms

# Below is generated by plot.py at 2018-06-19 12:25:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 29.135 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 51.55 Mbit/s
95th percentile per-packet one-way delay: 28.813 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 37.74 Mbit/s
95th percentile per-packet one-way delay: 29.102 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 31.195 ms
Loss rate: 0.49%
```

Run 6: Report of LEDBAT — Data Link

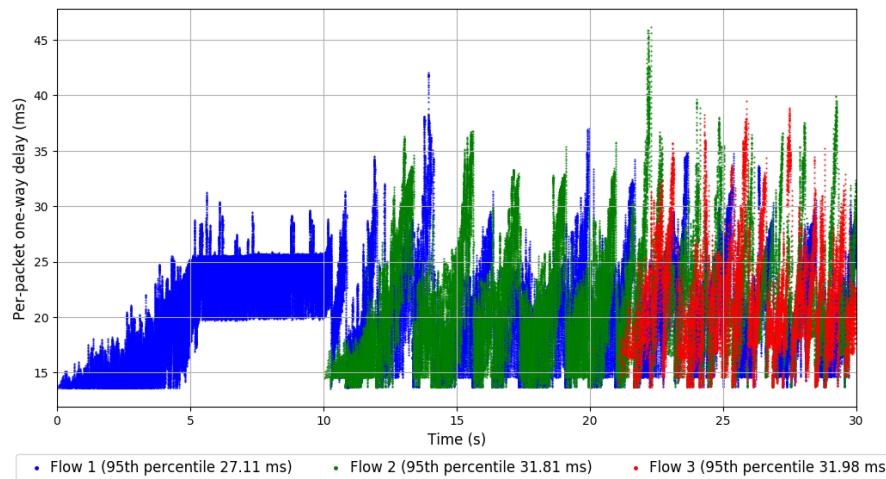
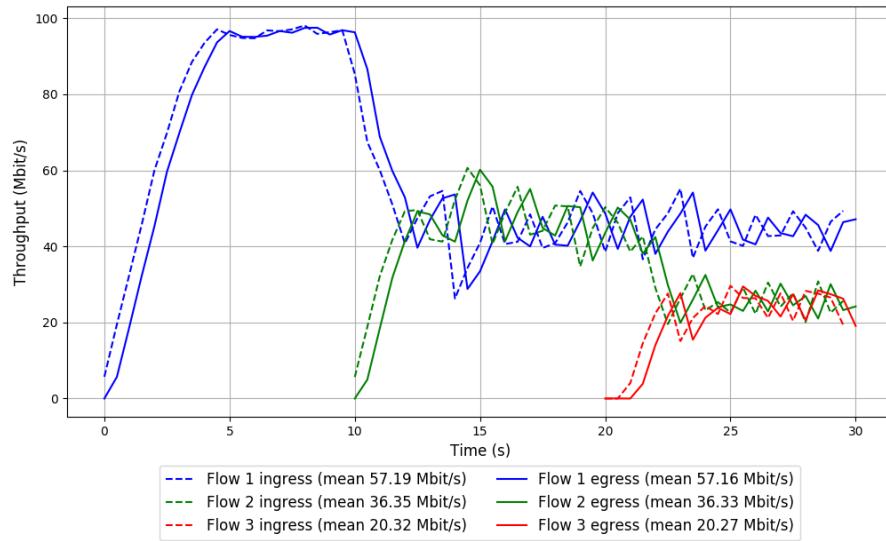


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-19 11:07:04
End at: 2018-06-19 11:07:34
Local clock offset: -0.324 ms
Remote clock offset: -3.737 ms

# Below is generated by plot.py at 2018-06-19 12:25:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.08 Mbit/s
95th percentile per-packet one-way delay: 29.238 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 57.16 Mbit/s
95th percentile per-packet one-way delay: 27.110 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 31.807 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 20.27 Mbit/s
95th percentile per-packet one-way delay: 31.983 ms
Loss rate: 0.49%
```

Run 7: Report of LEDBAT — Data Link

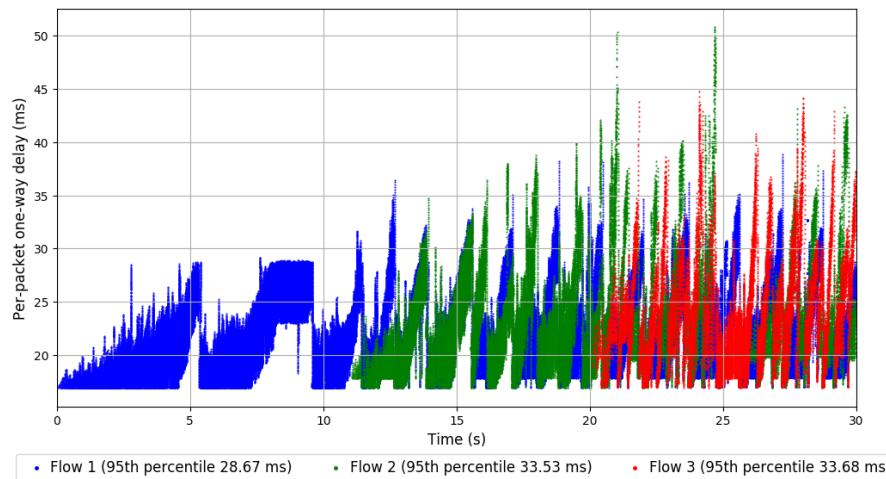
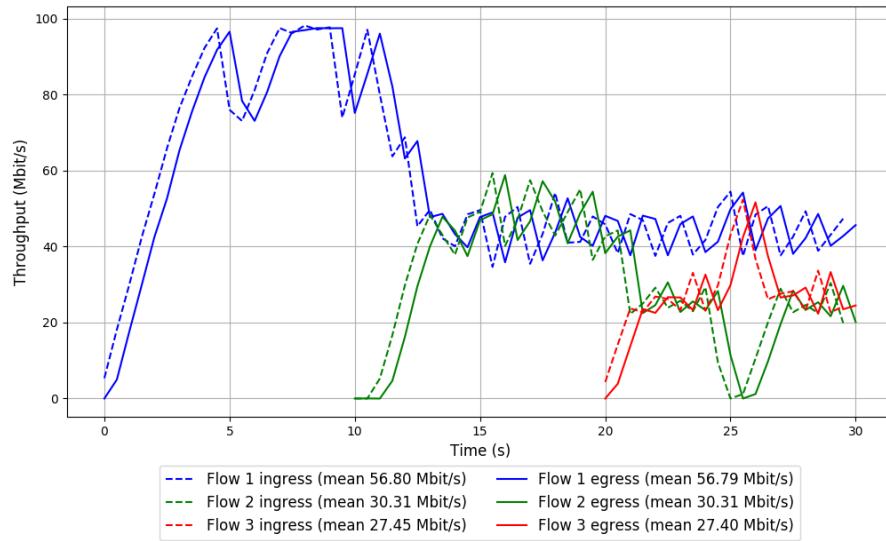


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-19 11:26:13
End at: 2018-06-19 11:26:43
Local clock offset: 1.833 ms
Remote clock offset: -3.47 ms

# Below is generated by plot.py at 2018-06-19 12:25:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.05 Mbit/s
95th percentile per-packet one-way delay: 30.373 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 56.79 Mbit/s
95th percentile per-packet one-way delay: 28.671 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 30.31 Mbit/s
95th percentile per-packet one-way delay: 33.528 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 27.40 Mbit/s
95th percentile per-packet one-way delay: 33.679 ms
Loss rate: 0.18%
```

Run 8: Report of LEDBAT — Data Link

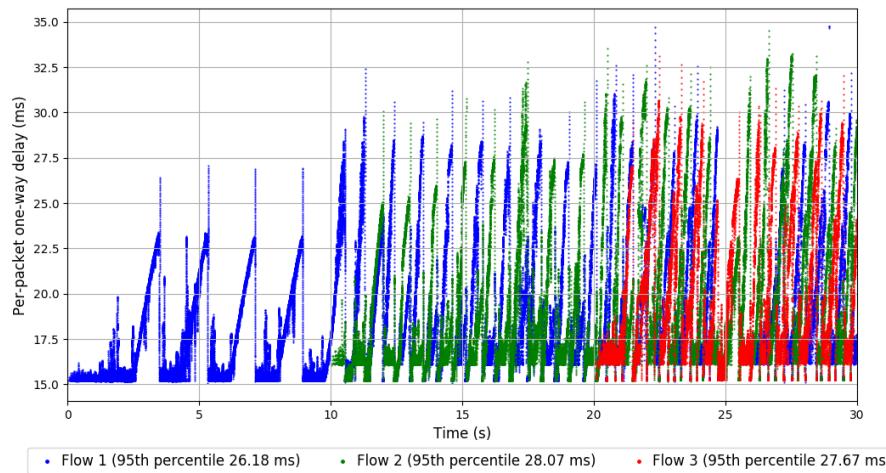
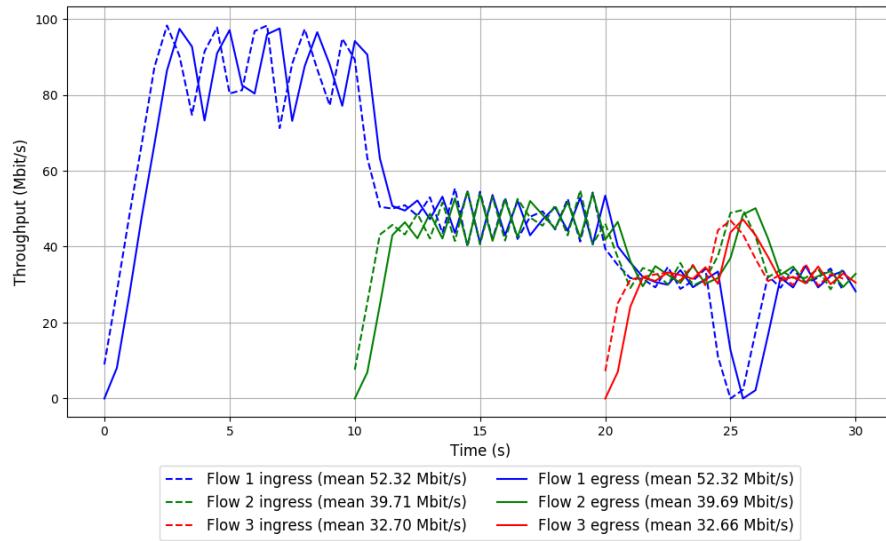


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-19 11:45:13
End at: 2018-06-19 11:45:43
Local clock offset: 3.044 ms
Remote clock offset: 1.936 ms

# Below is generated by plot.py at 2018-06-19 12:25:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 27.055 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 52.32 Mbit/s
95th percentile per-packet one-way delay: 26.177 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 28.068 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 27.668 ms
Loss rate: 0.37%
```

Run 9: Report of LEDBAT — Data Link

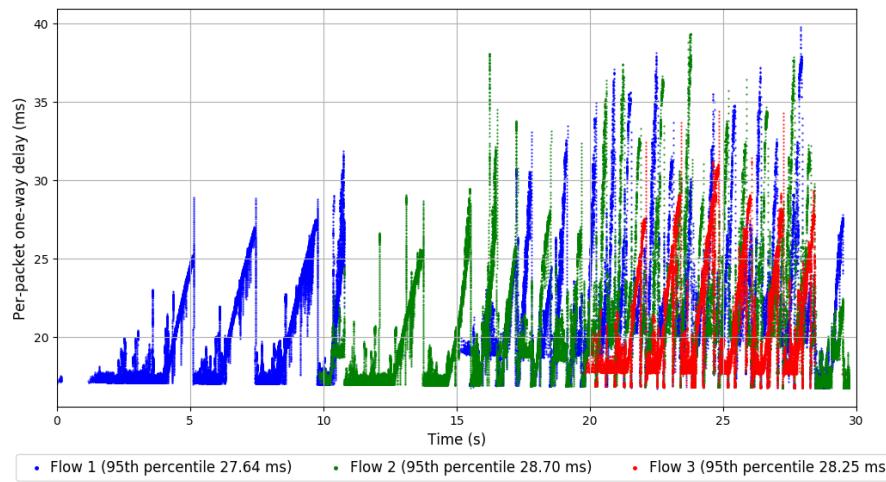
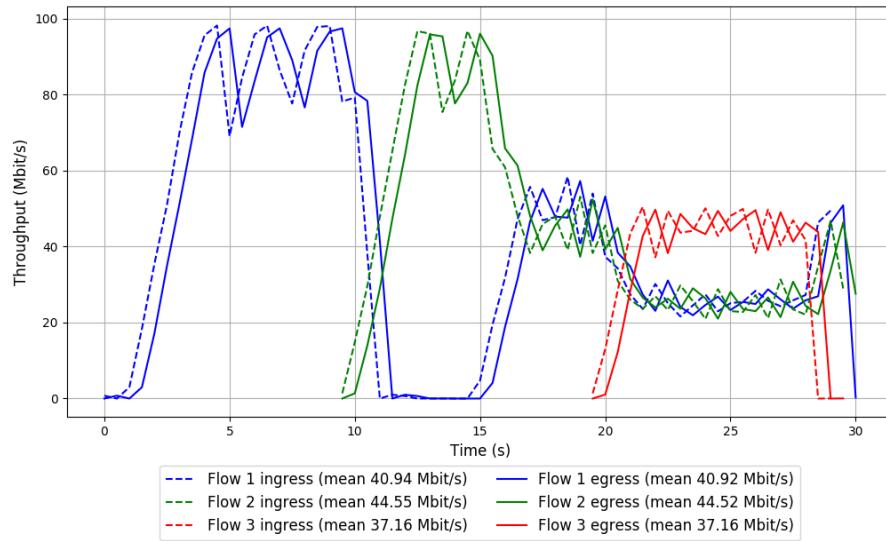


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-19 12:04:20
End at: 2018-06-19 12:04:50
Local clock offset: 1.095 ms
Remote clock offset: -0.375 ms

# Below is generated by plot.py at 2018-06-19 12:25:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.61 Mbit/s
95th percentile per-packet one-way delay: 28.169 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 27.644 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 44.52 Mbit/s
95th percentile per-packet one-way delay: 28.699 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 28.252 ms
Loss rate: 0.02%
```

Run 10: Report of LEDBAT — Data Link

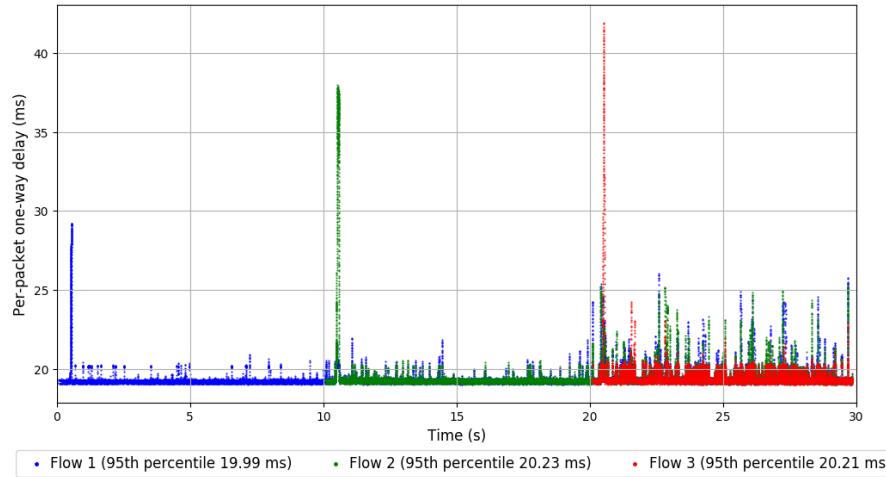
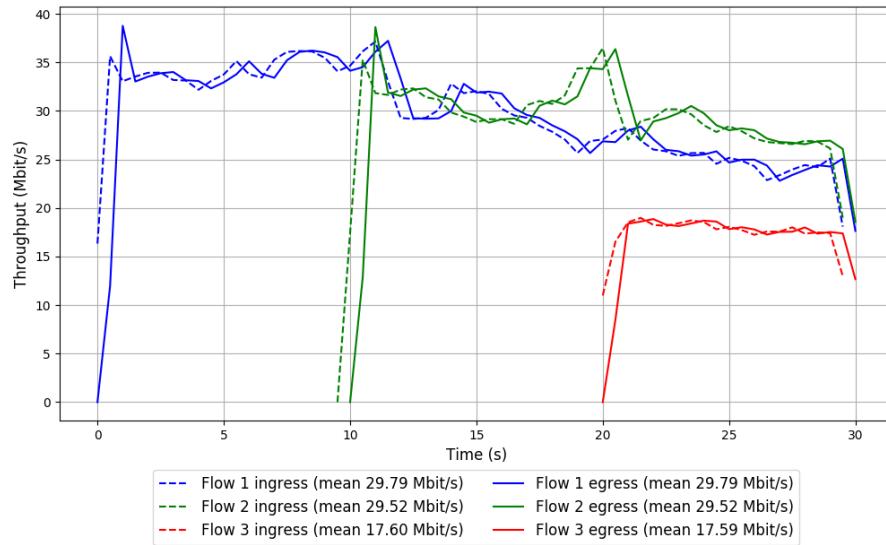


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-06-19 09:11:04
End at: 2018-06-19 09:11:34
Local clock offset: 0.835 ms
Remote clock offset: -1.153 ms

# Below is generated by plot.py at 2018-06-19 12:25:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.21 Mbit/s
95th percentile per-packet one-way delay: 20.140 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 29.79 Mbit/s
95th percentile per-packet one-way delay: 19.986 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 29.52 Mbit/s
95th percentile per-packet one-way delay: 20.231 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 17.59 Mbit/s
95th percentile per-packet one-way delay: 20.215 ms
Loss rate: 0.29%
```

Run 1: Report of PCC-Allegro — Data Link

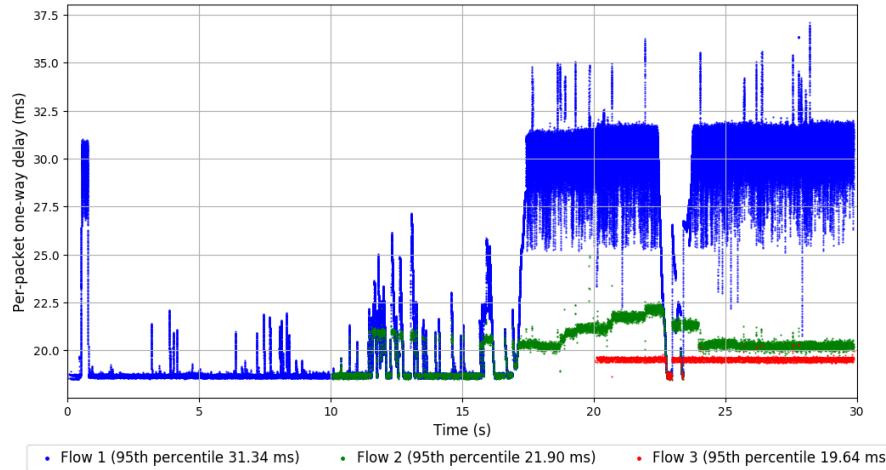
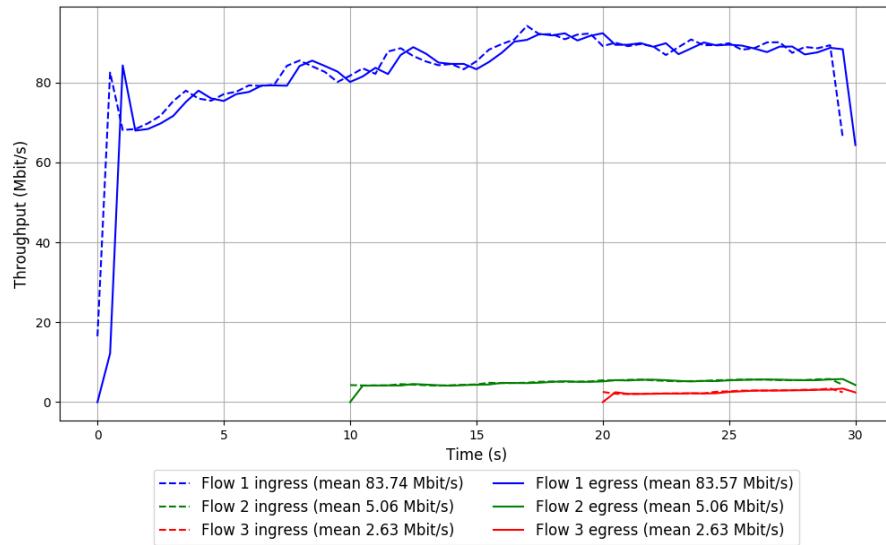


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-19 09:29:51
End at: 2018-06-19 09:30:21
Local clock offset: 1.984 ms
Remote clock offset: -6.13 ms

# Below is generated by plot.py at 2018-06-19 12:26:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.80 Mbit/s
95th percentile per-packet one-way delay: 31.323 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 83.57 Mbit/s
95th percentile per-packet one-way delay: 31.344 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 5.06 Mbit/s
95th percentile per-packet one-way delay: 21.898 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 19.639 ms
Loss rate: 0.33%
```

Run 2: Report of PCC-Allegro — Data Link

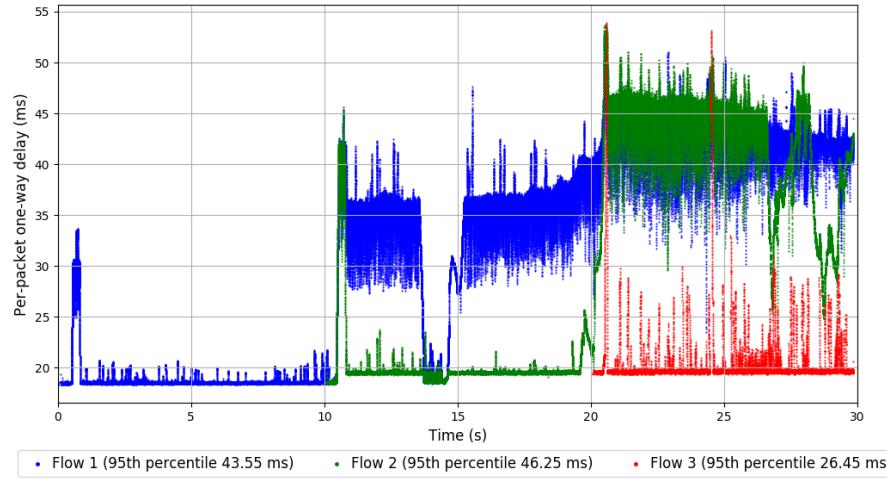
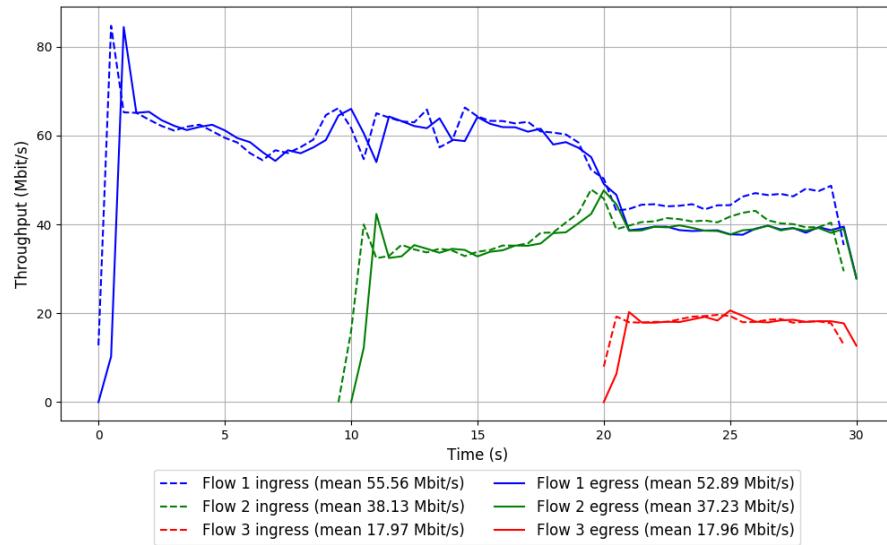


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-19 09:48:54
End at: 2018-06-19 09:49:24
Local clock offset: 1.598 ms
Remote clock offset: -4.682 ms

# Below is generated by plot.py at 2018-06-19 12:26:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.55 Mbit/s
95th percentile per-packet one-way delay: 44.788 ms
Loss rate: 3.89%
-- Flow 1:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 43.547 ms
Loss rate: 4.92%
-- Flow 2:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 46.252 ms
Loss rate: 2.48%
-- Flow 3:
Average throughput: 17.96 Mbit/s
95th percentile per-packet one-way delay: 26.447 ms
Loss rate: 0.28%
```

Run 3: Report of PCC-Allegro — Data Link

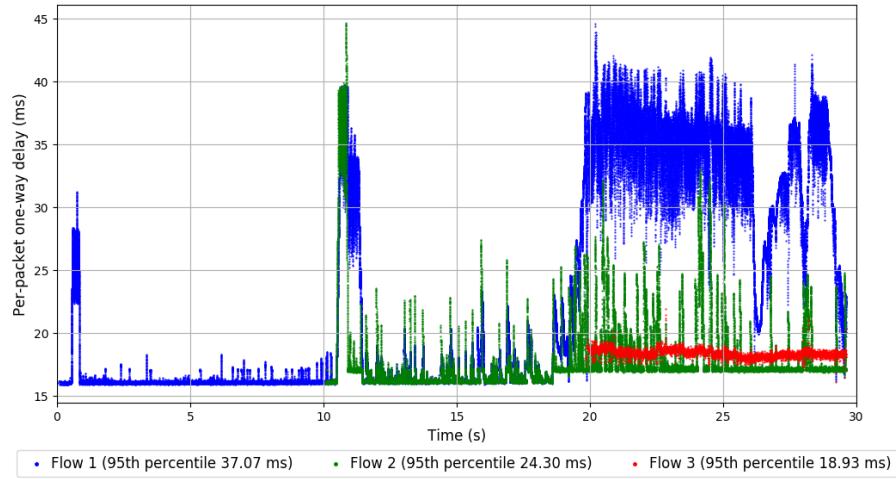
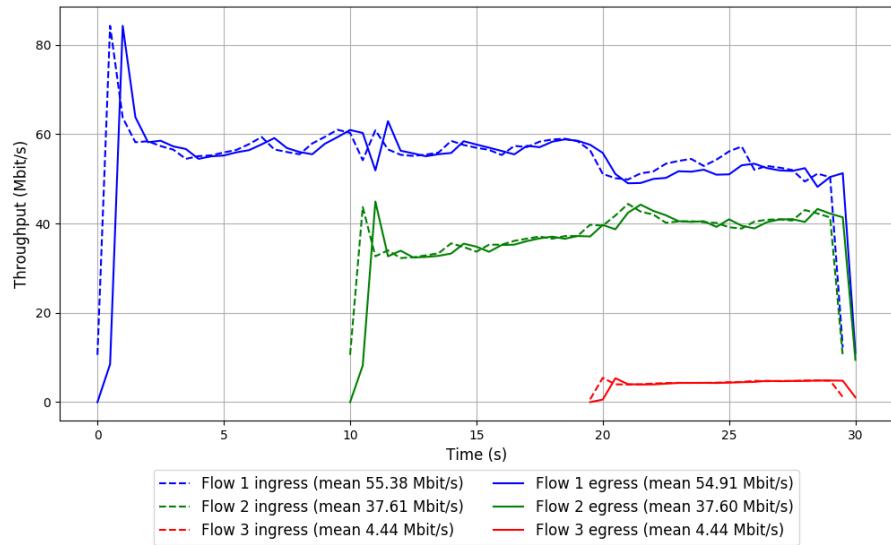


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-19 10:08:26
End at: 2018-06-19 10:08:56
Local clock offset: -0.871 ms
Remote clock offset: -1.734 ms

# Below is generated by plot.py at 2018-06-19 12:26:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.27 Mbit/s
95th percentile per-packet one-way delay: 36.516 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 54.91 Mbit/s
95th percentile per-packet one-way delay: 37.074 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 24.296 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 18.930 ms
Loss rate: 0.30%
```

Run 4: Report of PCC-Allegro — Data Link

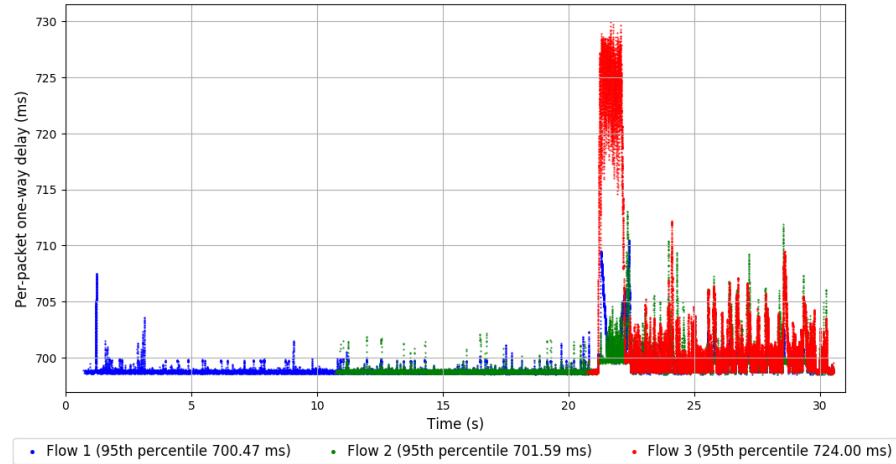
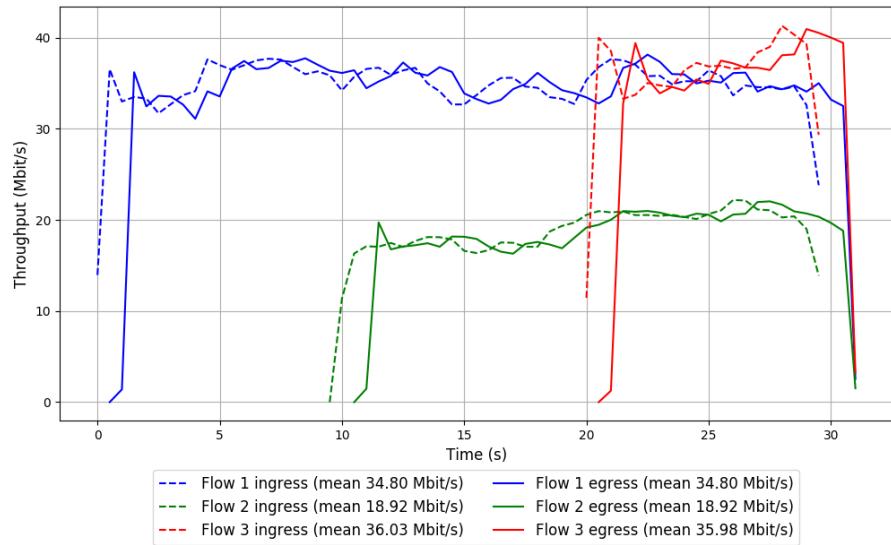


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-19 10:27:42
End at: 2018-06-19 10:28:12
Local clock offset: 0.457 ms
Remote clock offset: -686.56 ms

# Below is generated by plot.py at 2018-06-19 12:26:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 703.800 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 34.80 Mbit/s
95th percentile per-packet one-way delay: 700.474 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 18.92 Mbit/s
95th percentile per-packet one-way delay: 701.590 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 723.999 ms
Loss rate: 0.41%
```

Run 5: Report of PCC-Allegro — Data Link

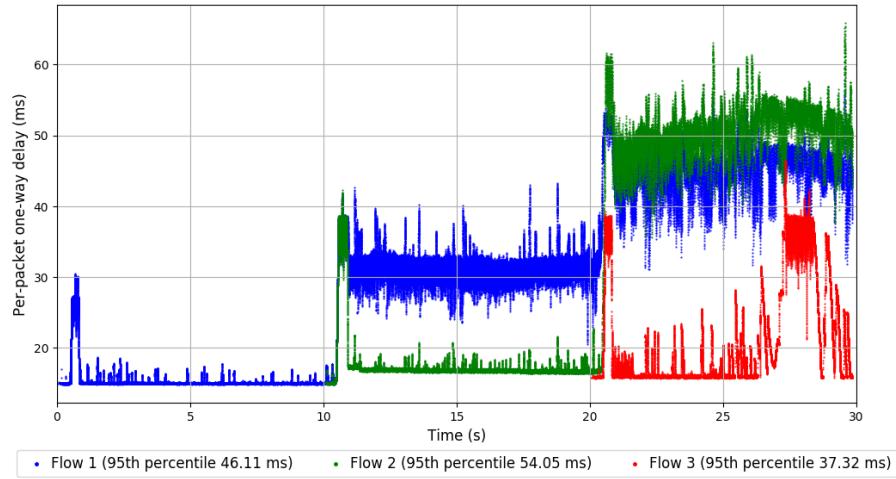
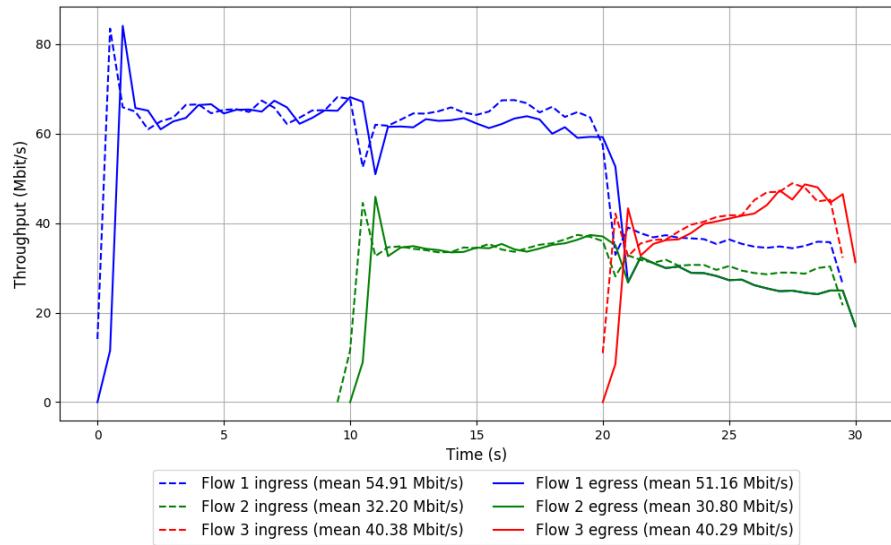


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-19 10:46:54
End at: 2018-06-19 10:47:24
Local clock offset: -0.744 ms
Remote clock offset: -6.596 ms

# Below is generated by plot.py at 2018-06-19 12:26:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.88 Mbit/s
95th percentile per-packet one-way delay: 50.585 ms
Loss rate: 5.37%
-- Flow 1:
Average throughput: 51.16 Mbit/s
95th percentile per-packet one-way delay: 46.110 ms
Loss rate: 6.90%
-- Flow 2:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 54.049 ms
Loss rate: 4.48%
-- Flow 3:
Average throughput: 40.29 Mbit/s
95th percentile per-packet one-way delay: 37.322 ms
Loss rate: 0.52%
```

Run 6: Report of PCC-Allegro — Data Link

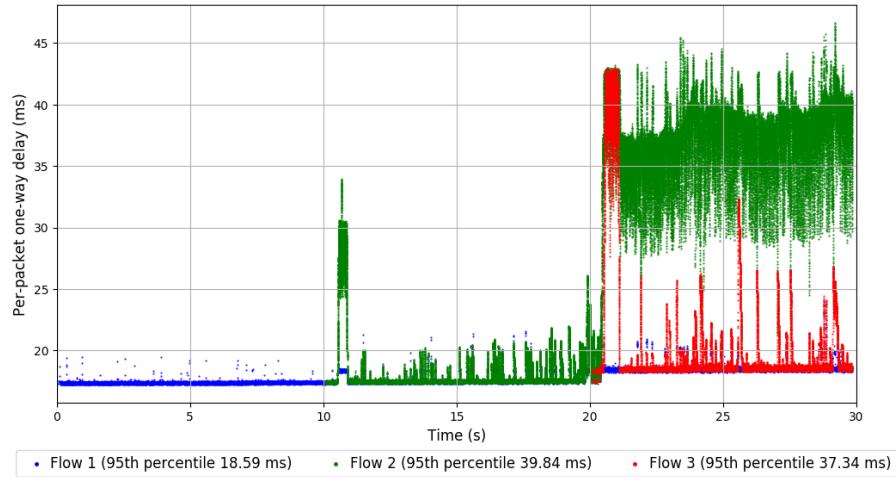
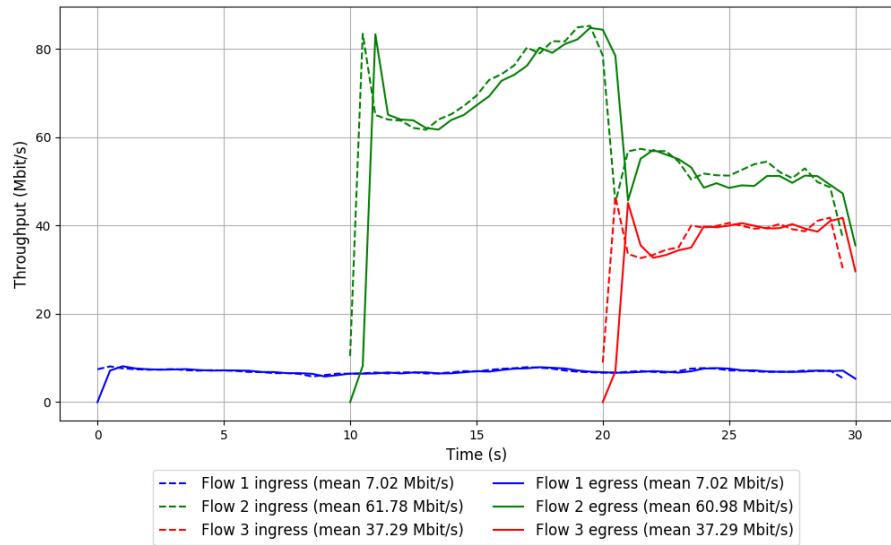


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-19 11:05:54
End at: 2018-06-19 11:06:24
Local clock offset: 3.085 ms
Remote clock offset: -4.338 ms

# Below is generated by plot.py at 2018-06-19 12:26:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.82 Mbit/s
95th percentile per-packet one-way delay: 39.411 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 18.594 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 60.98 Mbit/s
95th percentile per-packet one-way delay: 39.842 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: 37.335 ms
Loss rate: 0.34%
```

Run 7: Report of PCC-Allegro — Data Link

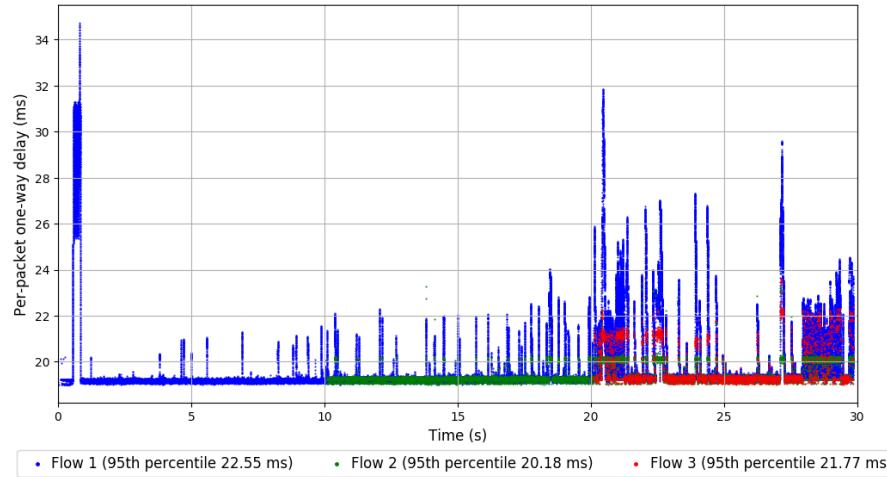
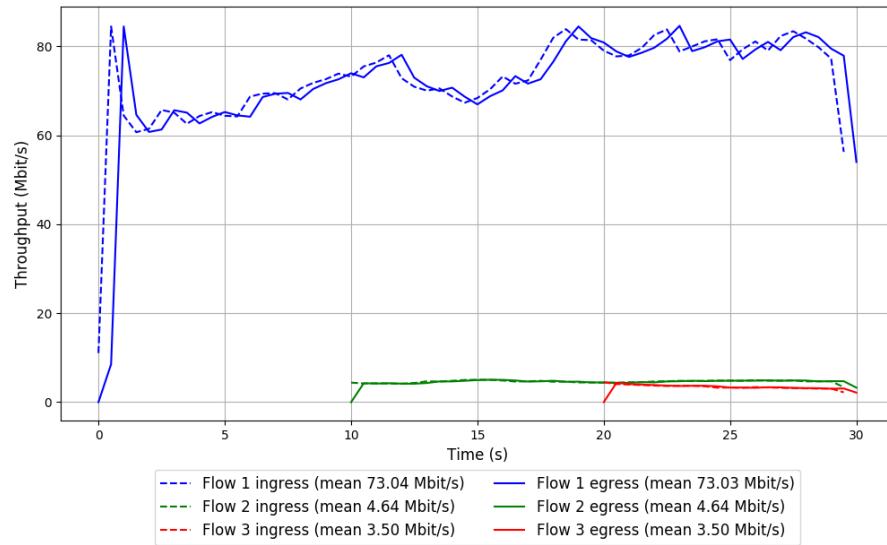


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-19 11:25:04
End at: 2018-06-19 11:25:34
Local clock offset: 2.793 ms
Remote clock offset: -4.828 ms

# Below is generated by plot.py at 2018-06-19 12:26:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.27 Mbit/s
95th percentile per-packet one-way delay: 22.429 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 73.03 Mbit/s
95th percentile per-packet one-way delay: 22.552 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 4.64 Mbit/s
95th percentile per-packet one-way delay: 20.178 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 21.768 ms
Loss rate: 0.27%
```

Run 8: Report of PCC-Allegro — Data Link

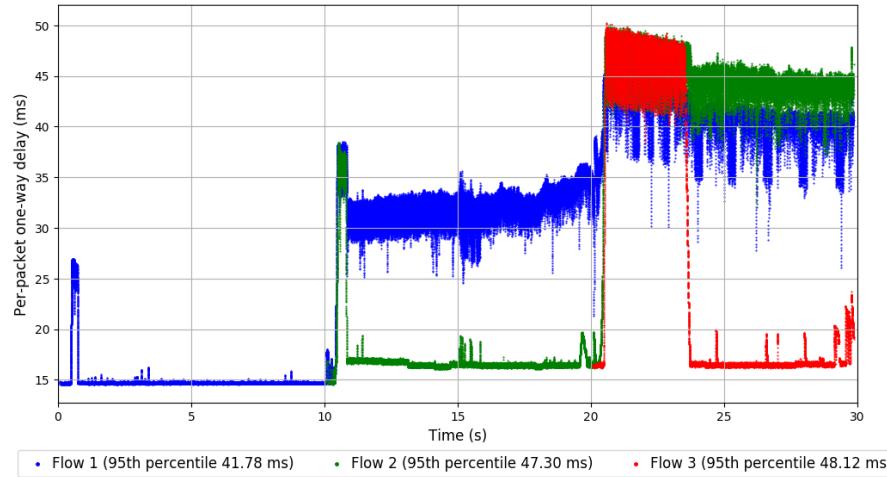
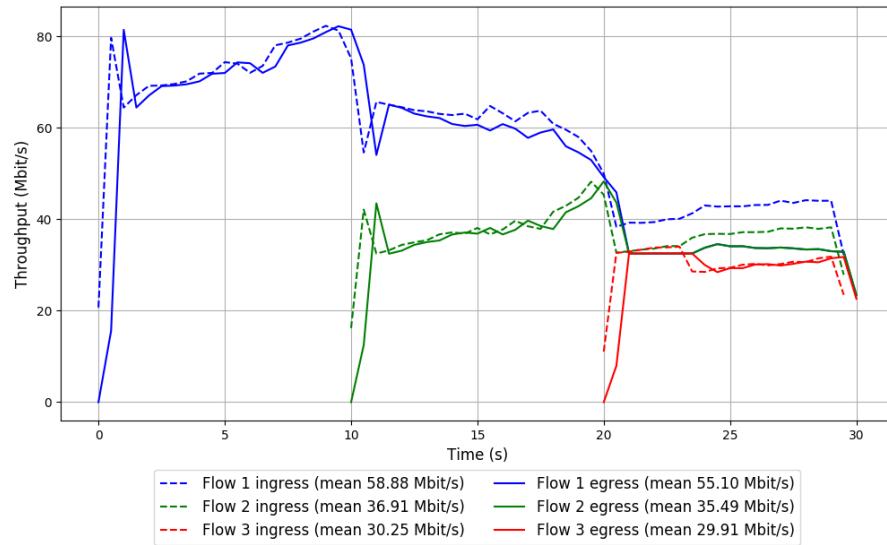


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-19 11:44:04
End at: 2018-06-19 11:44:34
Local clock offset: 2.449 ms
Remote clock offset: 1.656 ms

# Below is generated by plot.py at 2018-06-19 12:26:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.53 Mbit/s
95th percentile per-packet one-way delay: 45.650 ms
Loss rate: 5.31%
-- Flow 1:
Average throughput: 55.10 Mbit/s
95th percentile per-packet one-way delay: 41.782 ms
Loss rate: 6.52%
-- Flow 2:
Average throughput: 35.49 Mbit/s
95th percentile per-packet one-way delay: 47.302 ms
Loss rate: 4.01%
-- Flow 3:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 48.115 ms
Loss rate: 1.38%
```

Run 9: Report of PCC-Allegro — Data Link

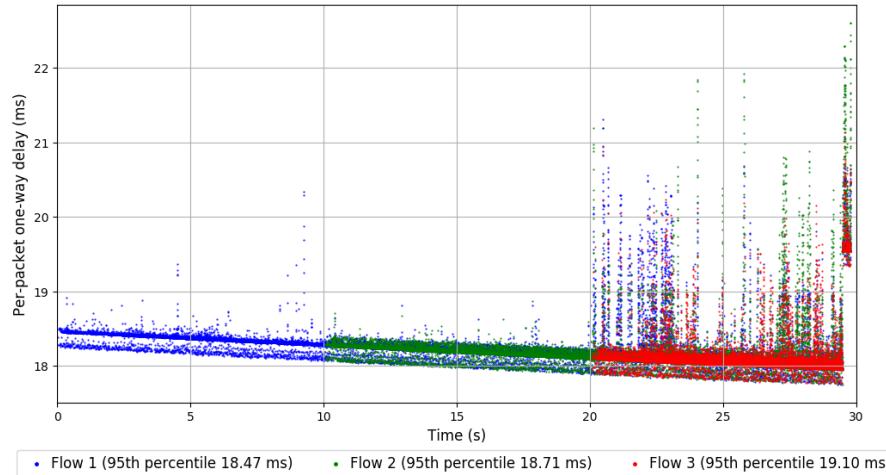
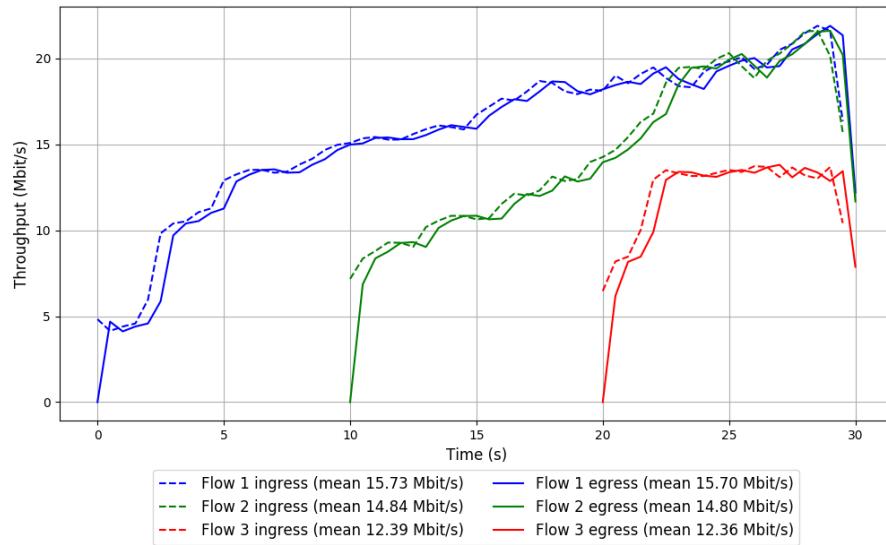


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-19 12:03:11
End at: 2018-06-19 12:03:41
Local clock offset: 3.469 ms
Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2018-06-19 12:26:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 18.627 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 18.466 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 14.80 Mbit/s
95th percentile per-packet one-way delay: 18.715 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 19.096 ms
Loss rate: 1.34%
```

Run 10: Report of PCC-Allegro — Data Link

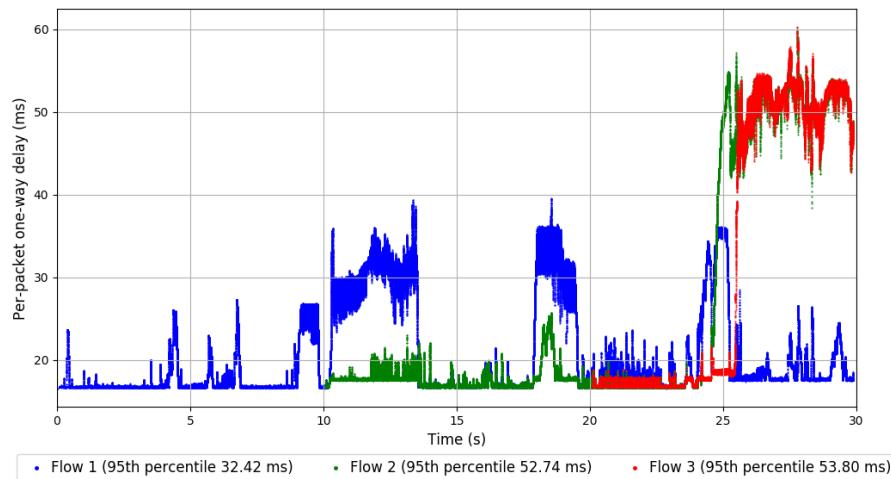
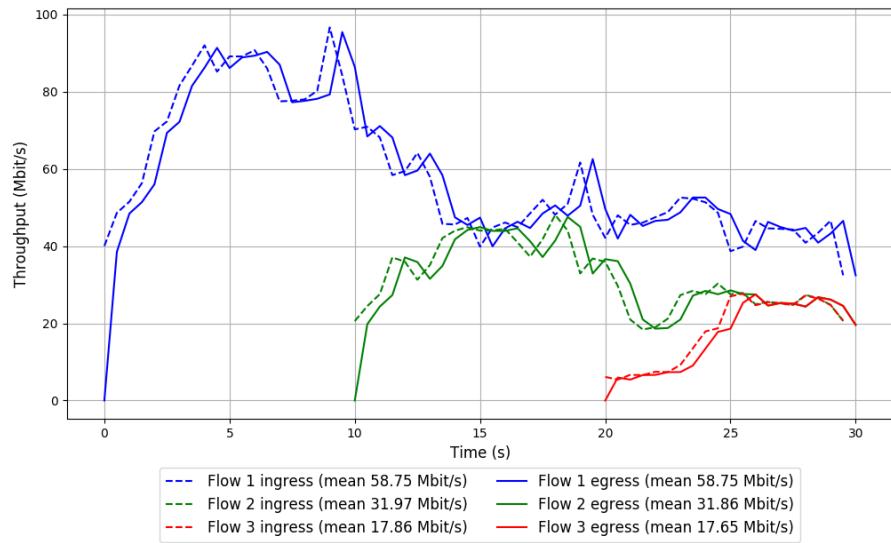


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-06-19 09:09:52
End at: 2018-06-19 09:10:22
Local clock offset: -0.678 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-06-19 12:27:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.75 Mbit/s
95th percentile per-packet one-way delay: 50.919 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 58.75 Mbit/s
95th percentile per-packet one-way delay: 32.424 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 52.739 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 17.65 Mbit/s
95th percentile per-packet one-way delay: 53.801 ms
Loss rate: 1.55%
```

Run 1: Report of PCC-Expr — Data Link

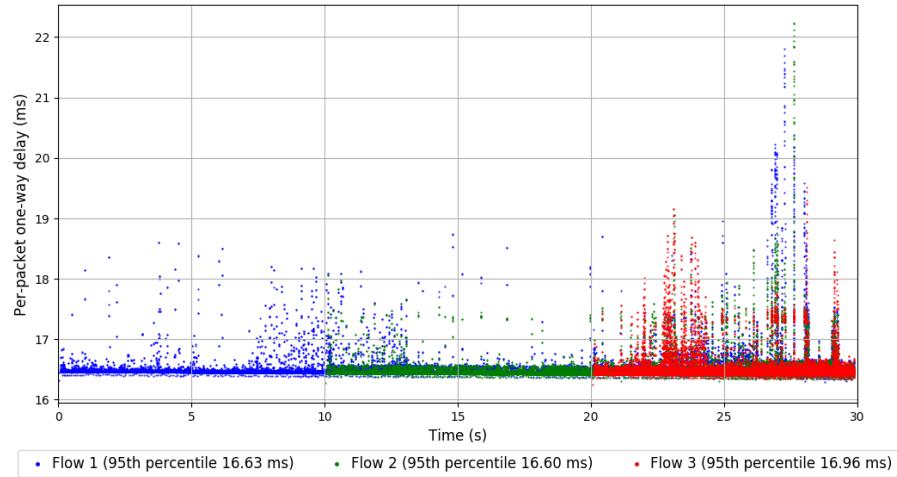
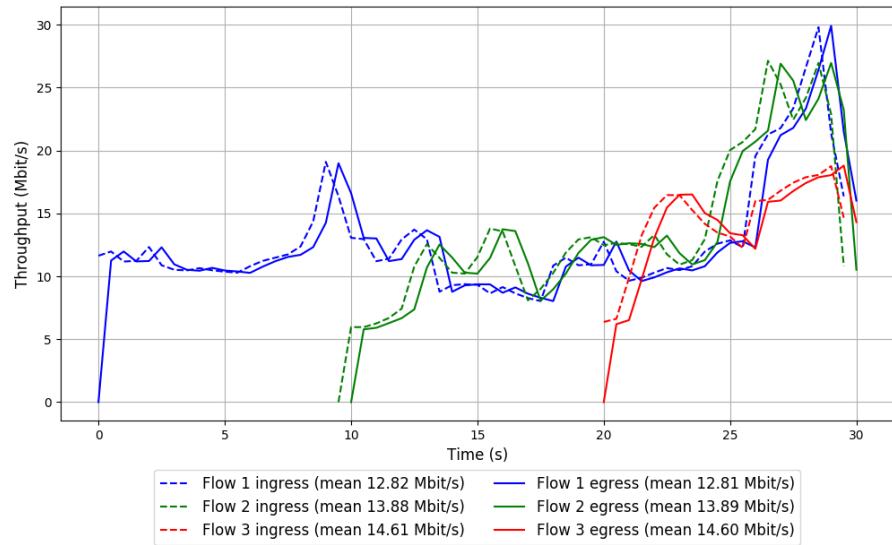


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-19 09:28:43
End at: 2018-06-19 09:29:13
Local clock offset: 0.572 ms
Remote clock offset: -5.166 ms

# Below is generated by plot.py at 2018-06-19 12:27:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.86 Mbit/s
95th percentile per-packet one-way delay: 16.666 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 12.81 Mbit/s
95th percentile per-packet one-way delay: 16.631 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 13.89 Mbit/s
95th percentile per-packet one-way delay: 16.604 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 14.60 Mbit/s
95th percentile per-packet one-way delay: 16.960 ms
Loss rate: 0.32%
```

Run 2: Report of PCC-Expr — Data Link

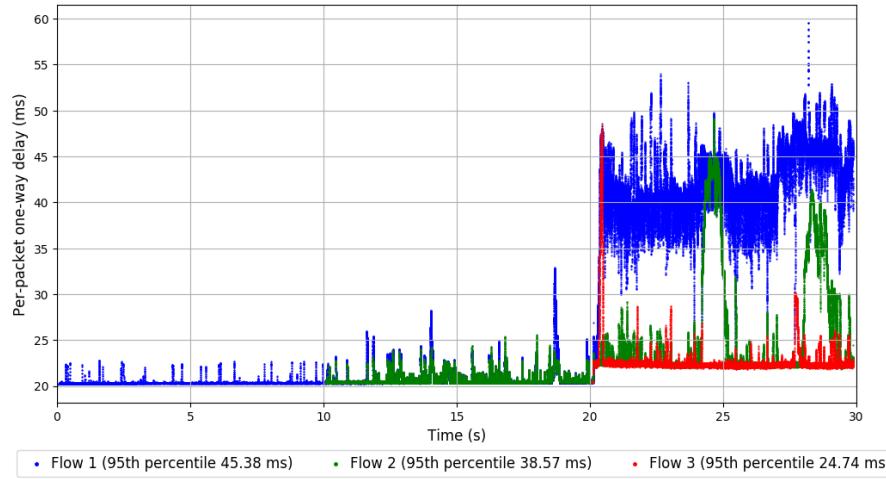
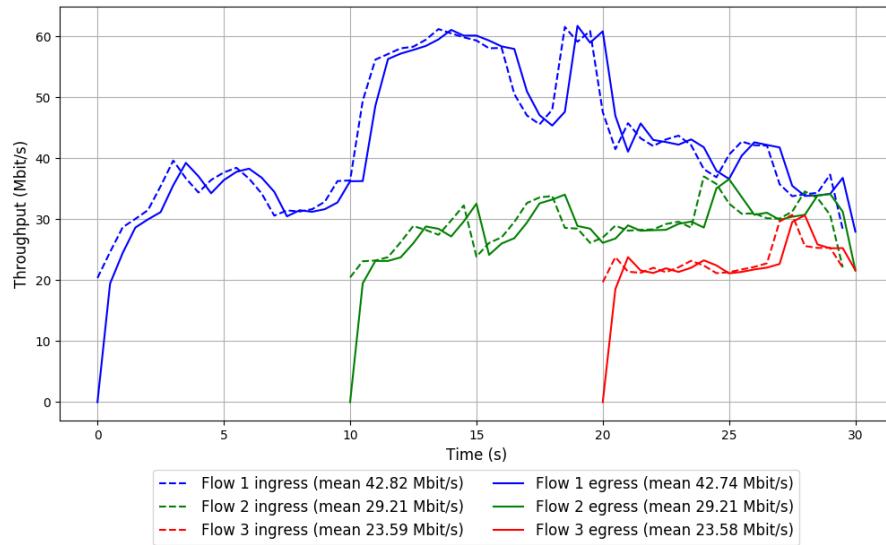


Run 3: Statistics of PCC-Expr

```
Start at: 2018-06-19 09:47:41
End at: 2018-06-19 09:48:12
Local clock offset: 2.836 ms
Remote clock offset: -5.583 ms

# Below is generated by plot.py at 2018-06-19 12:27:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.92 Mbit/s
95th percentile per-packet one-way delay: 44.150 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 42.74 Mbit/s
95th percentile per-packet one-way delay: 45.383 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 29.21 Mbit/s
95th percentile per-packet one-way delay: 38.574 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 24.741 ms
Loss rate: 0.35%
```

Run 3: Report of PCC-Expr — Data Link

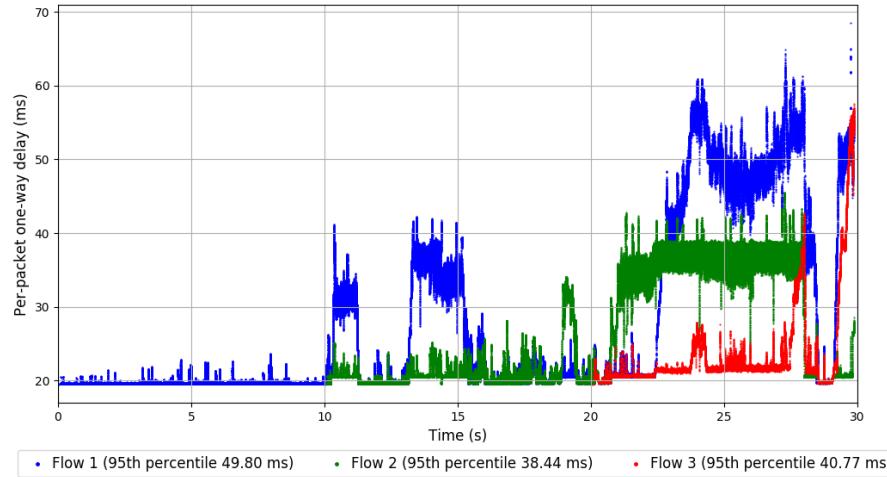
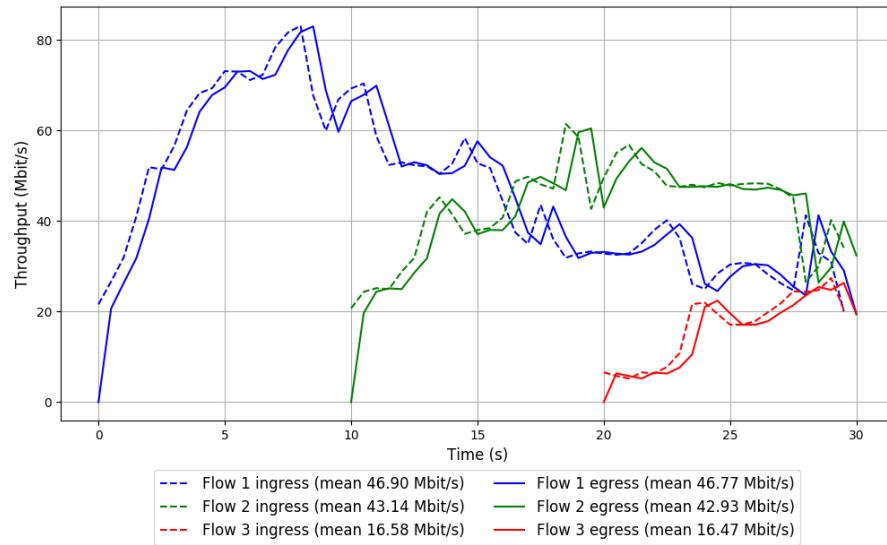


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-19 10:07:07
End at: 2018-06-19 10:07:37
Local clock offset: 1.407 ms
Remote clock offset: -3.155 ms

# Below is generated by plot.py at 2018-06-19 12:28:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.75 Mbit/s
95th percentile per-packet one-way delay: 46.813 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 49.799 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 42.93 Mbit/s
95th percentile per-packet one-way delay: 38.444 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 16.47 Mbit/s
95th percentile per-packet one-way delay: 40.771 ms
Loss rate: 0.95%
```

Run 4: Report of PCC-Expr — Data Link

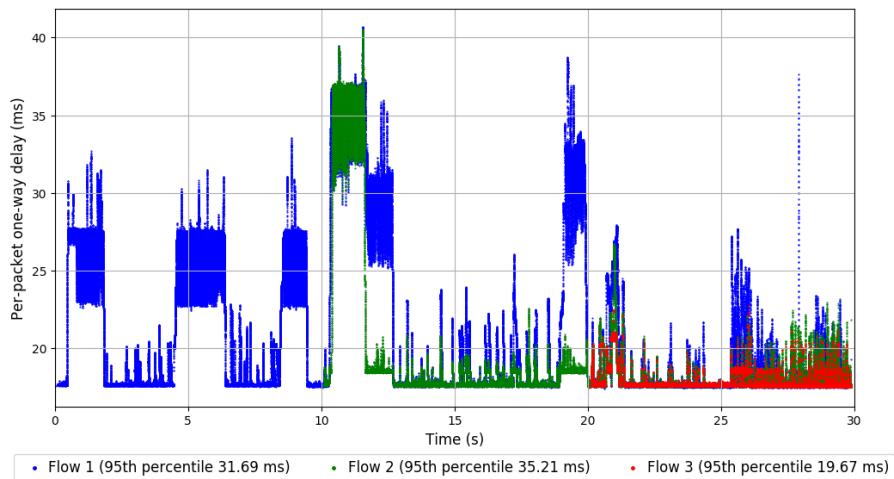
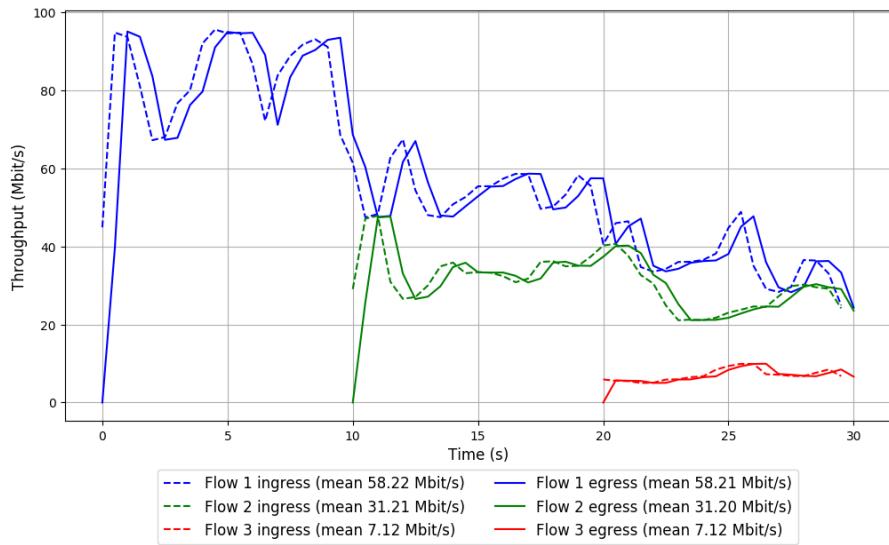


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-19 10:26:16
End at: 2018-06-19 10:26:46
Local clock offset: -3.078 ms
Remote clock offset: -5.101 ms

# Below is generated by plot.py at 2018-06-19 12:28:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.29 Mbit/s
95th percentile per-packet one-way delay: 32.661 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 58.21 Mbit/s
95th percentile per-packet one-way delay: 31.694 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 35.211 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 19.673 ms
Loss rate: 0.34%
```

Run 5: Report of PCC-Expr — Data Link

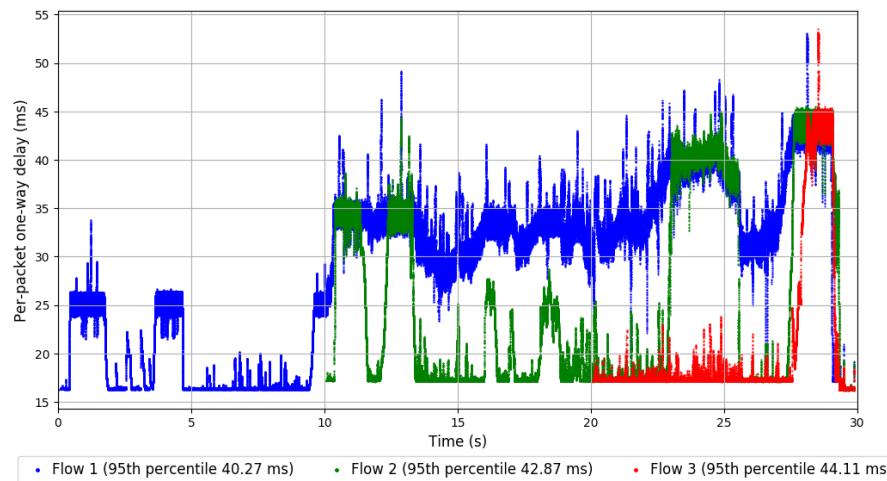
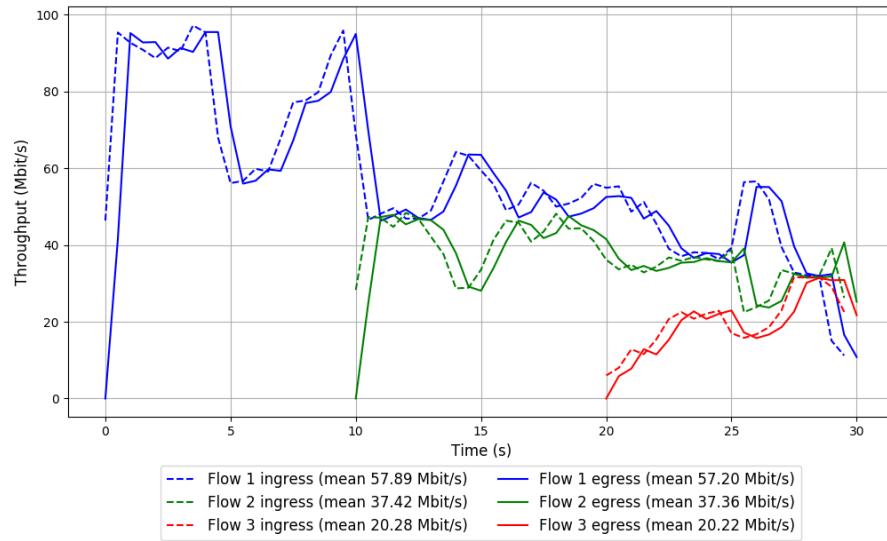


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-19 10:45:34
End at: 2018-06-19 10:46:04
Local clock offset: 0.711 ms
Remote clock offset: -6.201 ms

# Below is generated by plot.py at 2018-06-19 12:28:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.71 Mbit/s
95th percentile per-packet one-way delay: 41.818 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 57.20 Mbit/s
95th percentile per-packet one-way delay: 40.268 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 37.36 Mbit/s
95th percentile per-packet one-way delay: 42.867 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 20.22 Mbit/s
95th percentile per-packet one-way delay: 44.114 ms
Loss rate: 0.58%
```

Run 6: Report of PCC-Expr — Data Link

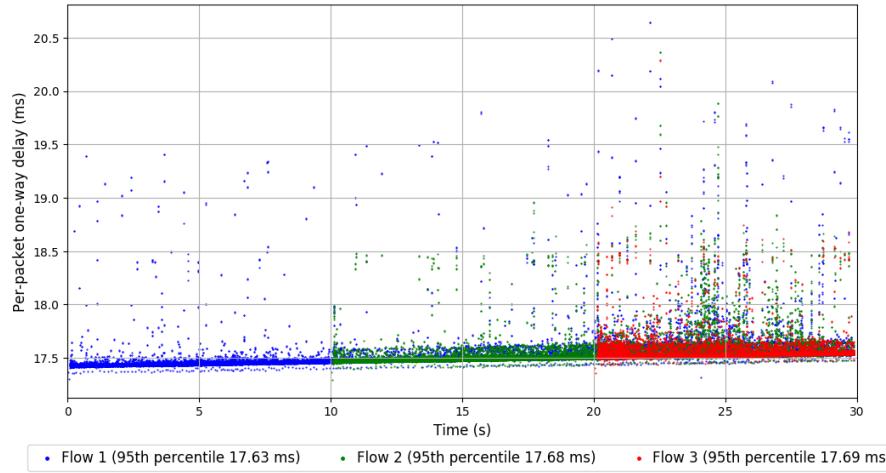
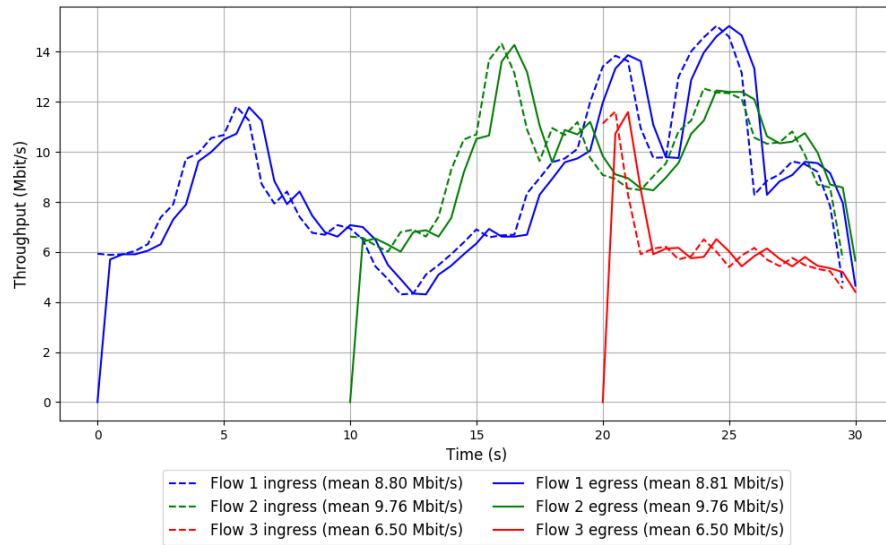


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-19 11:04:45
End at: 2018-06-19 11:05:15
Local clock offset: 4.022 ms
Remote clock offset: -3.65 ms

# Below is generated by plot.py at 2018-06-19 12:28:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.44 Mbit/s
95th percentile per-packet one-way delay: 17.650 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 8.81 Mbit/s
95th percentile per-packet one-way delay: 17.632 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 9.76 Mbit/s
95th percentile per-packet one-way delay: 17.677 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 6.50 Mbit/s
95th percentile per-packet one-way delay: 17.690 ms
Loss rate: 0.26%
```

Run 7: Report of PCC-Expr — Data Link

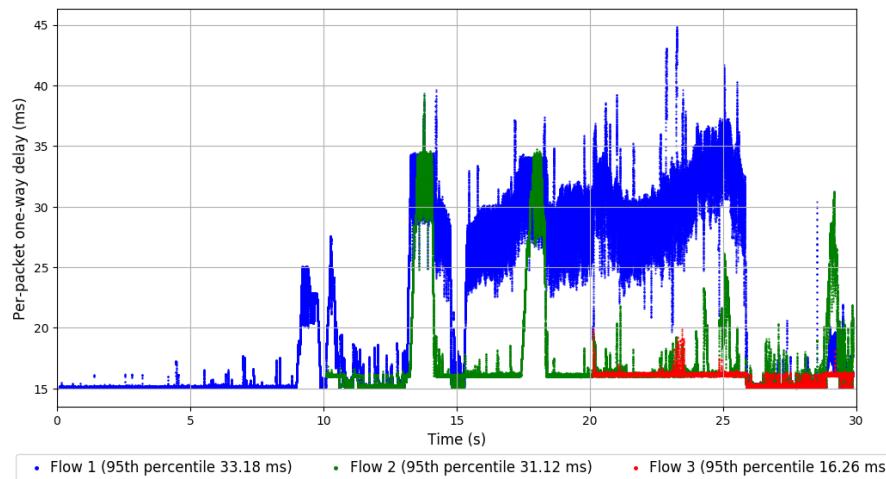
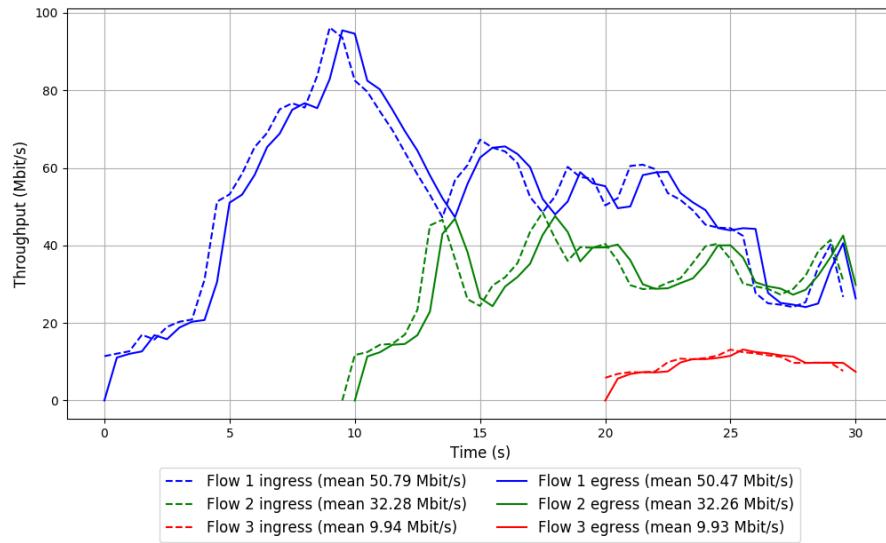


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-19 11:23:49
End at: 2018-06-19 11:24:19
Local clock offset: 0.257 ms
Remote clock offset: -3.343 ms

# Below is generated by plot.py at 2018-06-19 12:28:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.20 Mbit/s
95th percentile per-packet one-way delay: 32.744 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 50.47 Mbit/s
95th percentile per-packet one-way delay: 33.184 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 31.118 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 9.93 Mbit/s
95th percentile per-packet one-way delay: 16.259 ms
Loss rate: 0.28%
```

Run 8: Report of PCC-Expr — Data Link

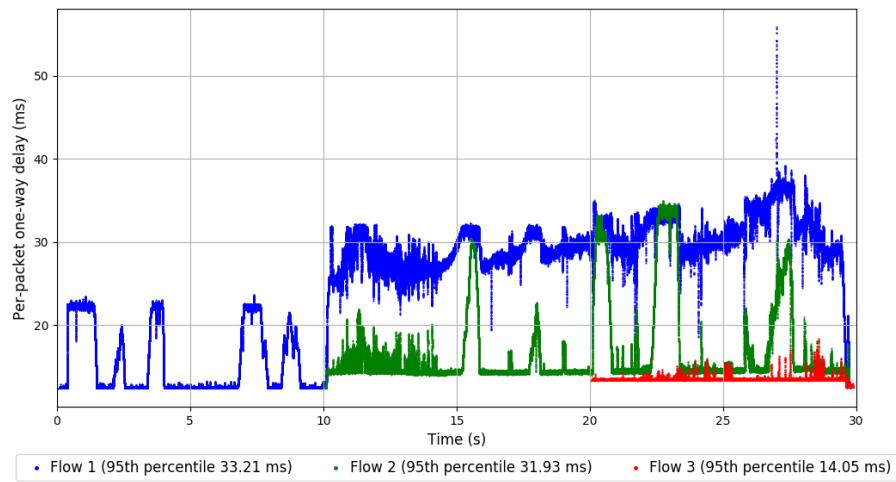
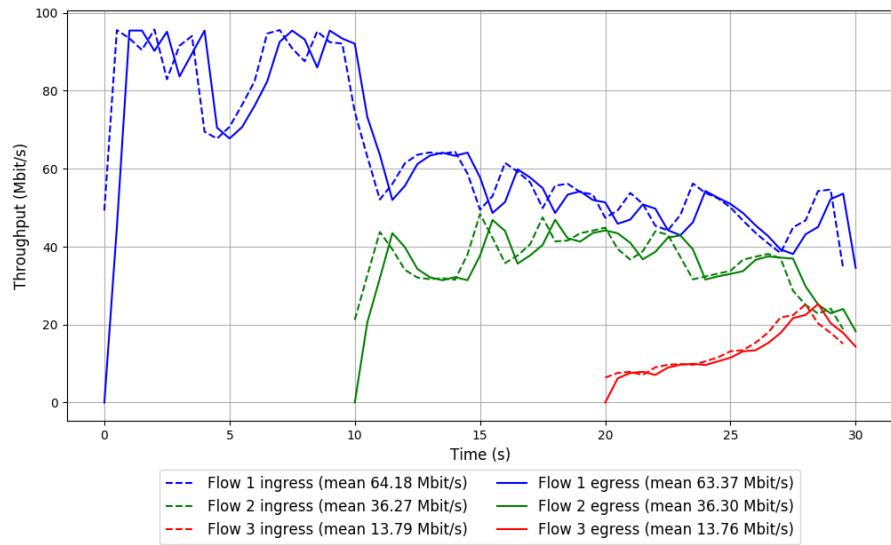


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-19 11:42:49
End at: 2018-06-19 11:43:19
Local clock offset: -0.799 ms
Remote clock offset: 0.503 ms

# Below is generated by plot.py at 2018-06-19 12:28:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.04 Mbit/s
95th percentile per-packet one-way delay: 32.988 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 63.37 Mbit/s
95th percentile per-packet one-way delay: 33.211 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 31.933 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 13.76 Mbit/s
95th percentile per-packet one-way delay: 14.053 ms
Loss rate: 0.46%
```

Run 9: Report of PCC-Expr — Data Link

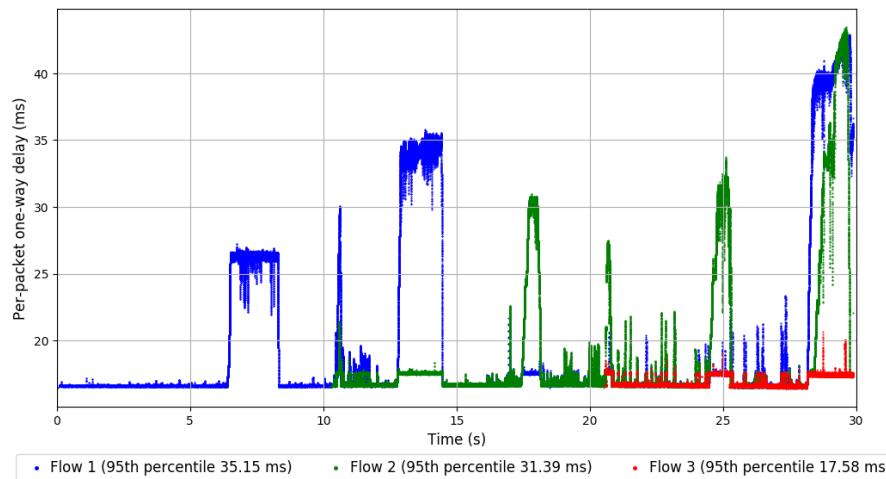
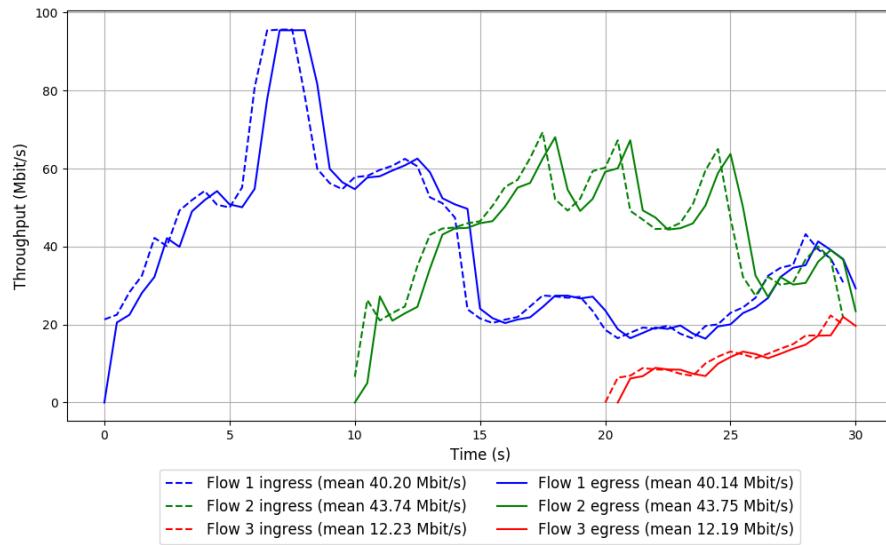


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-19 12:01:56
End at: 2018-06-19 12:02:26
Local clock offset: 2.727 ms
Remote clock offset: 2.174 ms

# Below is generated by plot.py at 2018-06-19 12:28:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.05 Mbit/s
95th percentile per-packet one-way delay: 34.423 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 40.14 Mbit/s
95th percentile per-packet one-way delay: 35.148 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 43.75 Mbit/s
95th percentile per-packet one-way delay: 31.394 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 17.582 ms
Loss rate: 0.58%
```

Run 10: Report of PCC-Expr — Data Link

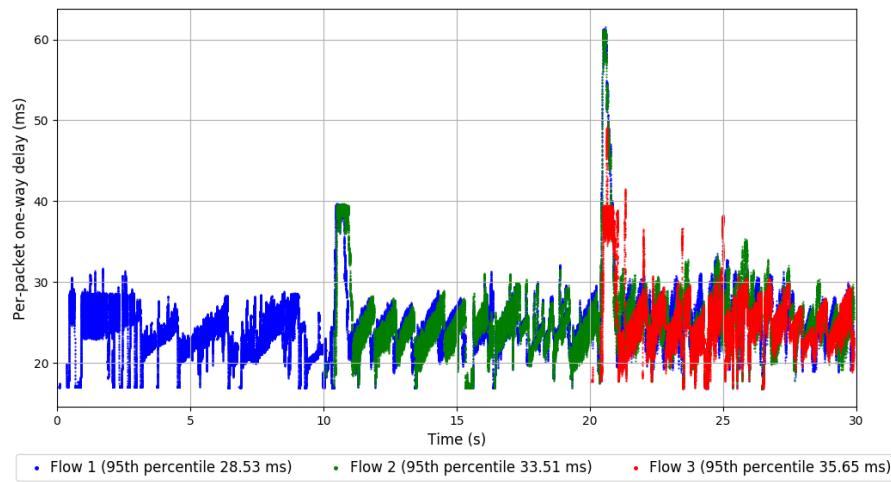
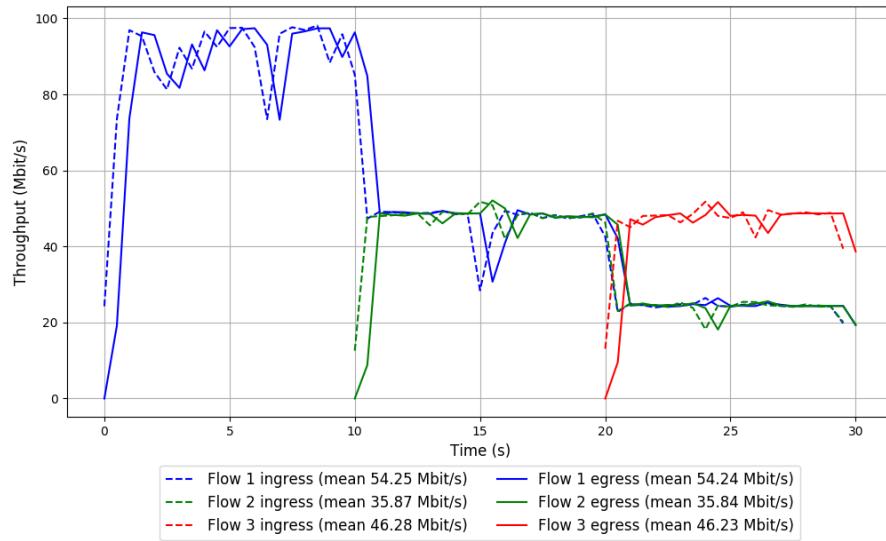


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-06-19 09:14:37
End at: 2018-06-19 09:15:07
Local clock offset: -0.016 ms
Remote clock offset: -2.98 ms

# Below is generated by plot.py at 2018-06-19 12:29:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 29.878 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 54.24 Mbit/s
95th percentile per-packet one-way delay: 28.530 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 35.84 Mbit/s
95th percentile per-packet one-way delay: 33.506 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 46.23 Mbit/s
95th percentile per-packet one-way delay: 35.651 ms
Loss rate: 0.39%
```

Run 1: Report of QUIC Cubic — Data Link

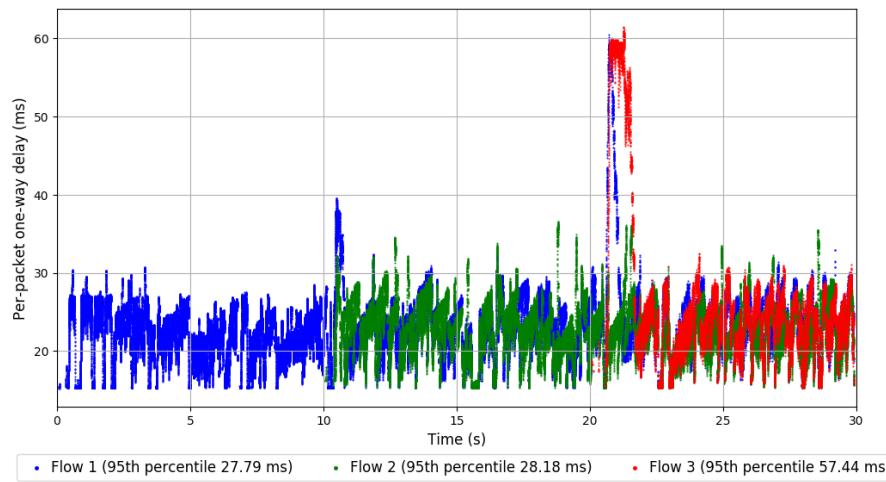
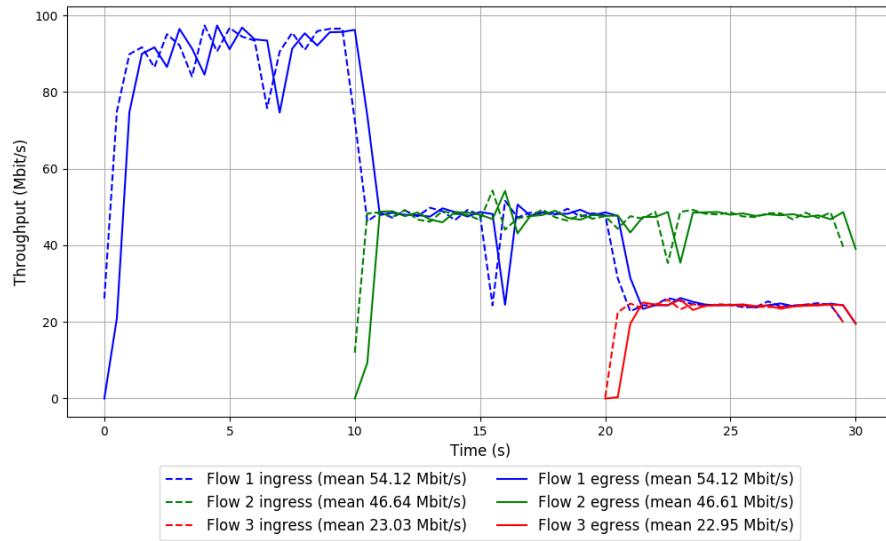


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-19 09:33:25
End at: 2018-06-19 09:33:55
Local clock offset: -0.693 ms
Remote clock offset: -5.831 ms

# Below is generated by plot.py at 2018-06-19 12:29:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.70 Mbit/s
95th percentile per-packet one-way delay: 28.330 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 54.12 Mbit/s
95th percentile per-packet one-way delay: 27.785 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 46.61 Mbit/s
95th percentile per-packet one-way delay: 28.176 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 22.95 Mbit/s
95th percentile per-packet one-way delay: 57.438 ms
Loss rate: 0.65%
```

Run 2: Report of QUIC Cubic — Data Link

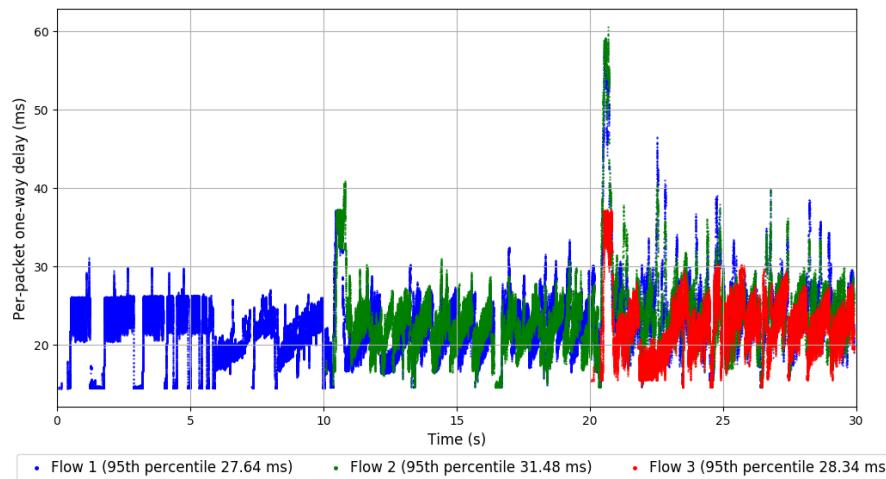
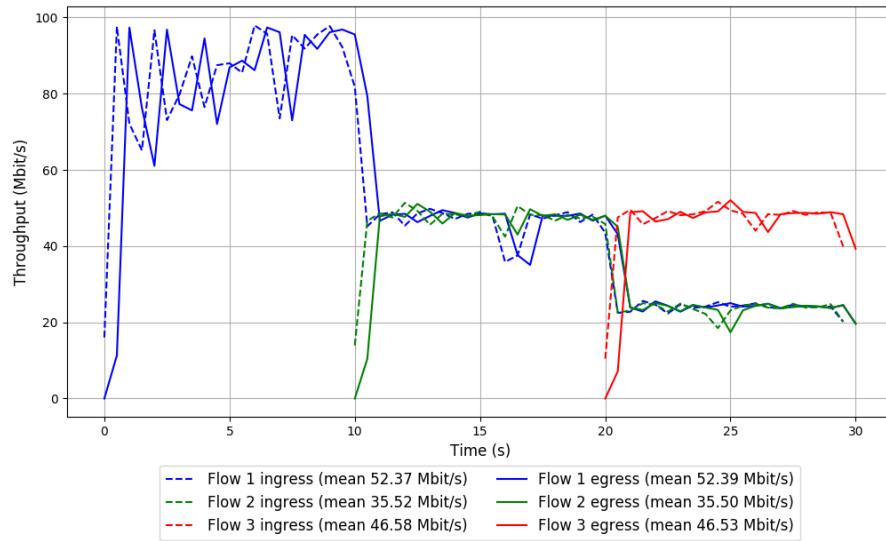


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-19 09:52:40
End at: 2018-06-19 09:53:10
Local clock offset: -1.296 ms
Remote clock offset: -2.78 ms

# Below is generated by plot.py at 2018-06-19 12:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.33 Mbit/s
95th percentile per-packet one-way delay: 28.533 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 52.39 Mbit/s
95th percentile per-packet one-way delay: 27.645 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 35.50 Mbit/s
95th percentile per-packet one-way delay: 31.480 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 46.53 Mbit/s
95th percentile per-packet one-way delay: 28.339 ms
Loss rate: 0.36%
```

### Run 3: Report of QUIC Cubic — Data Link

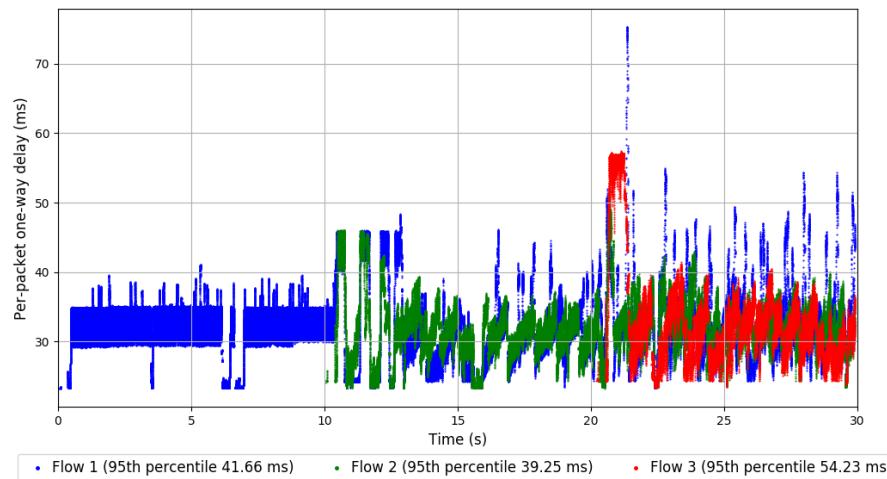
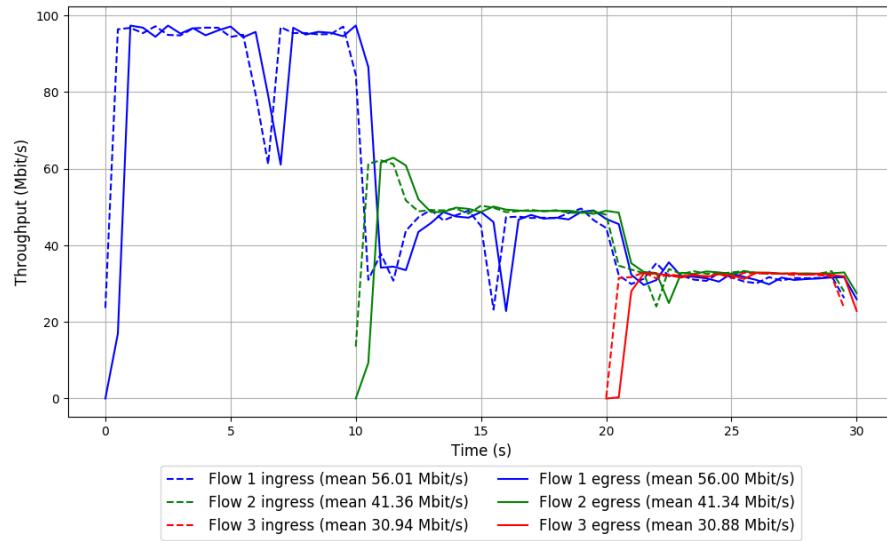


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-19 10:12:04
End at: 2018-06-19 10:12:34
Local clock offset: 2.818 ms
Remote clock offset: -4.874 ms

# Below is generated by plot.py at 2018-06-19 12:29:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.53 Mbit/s
95th percentile per-packet one-way delay: 41.437 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.00 Mbit/s
95th percentile per-packet one-way delay: 41.665 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 41.34 Mbit/s
95th percentile per-packet one-way delay: 39.252 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 54.229 ms
Loss rate: 0.56%
```

Run 4: Report of QUIC Cubic — Data Link

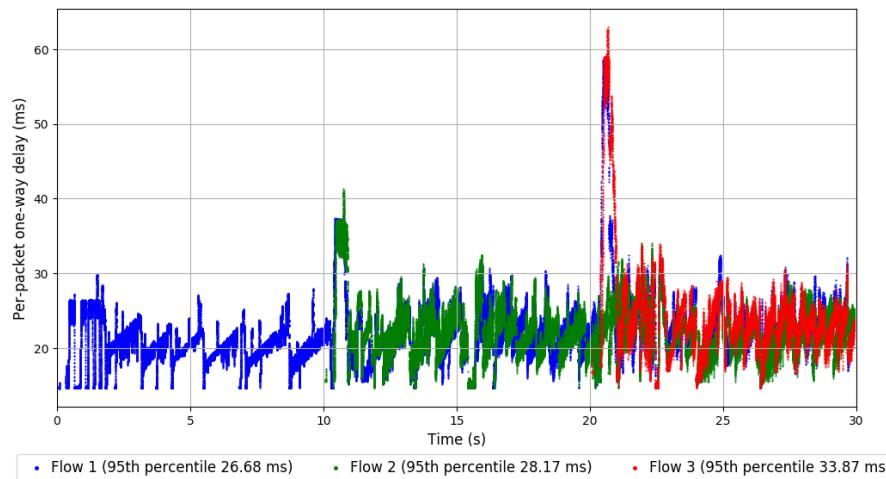
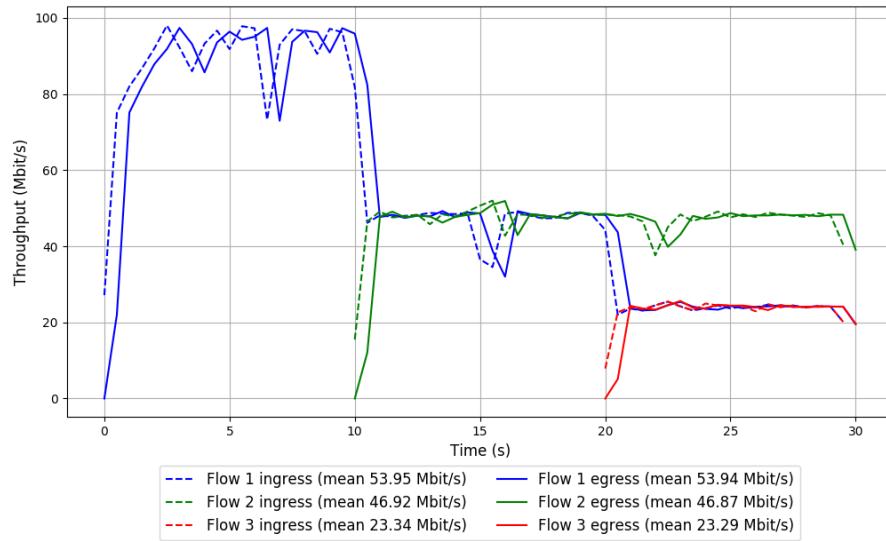


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-19 10:31:16
End at: 2018-06-19 10:31:46
Local clock offset: -3.702 ms
Remote clock offset: -7.269 ms

# Below is generated by plot.py at 2018-06-19 12:29:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 27.770 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 53.94 Mbit/s
95th percentile per-packet one-way delay: 26.678 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 28.170 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 23.29 Mbit/s
95th percentile per-packet one-way delay: 33.871 ms
Loss rate: 0.52%
```

### Run 5: Report of QUIC Cubic — Data Link

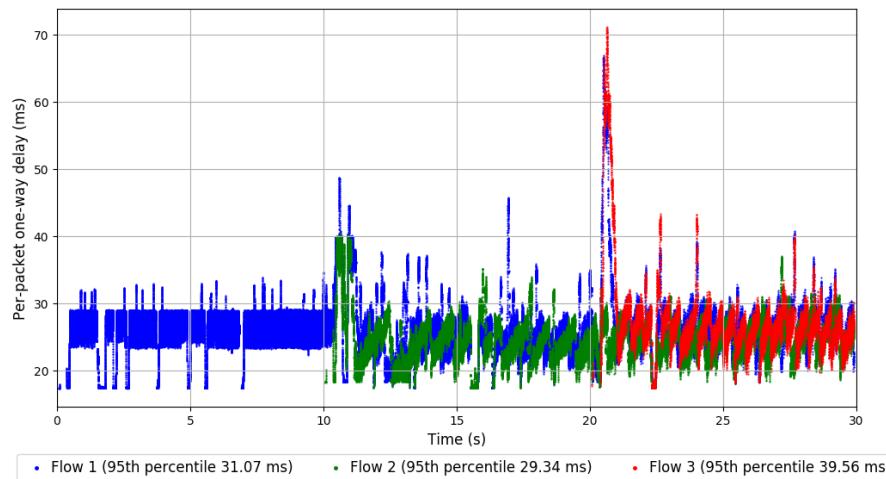
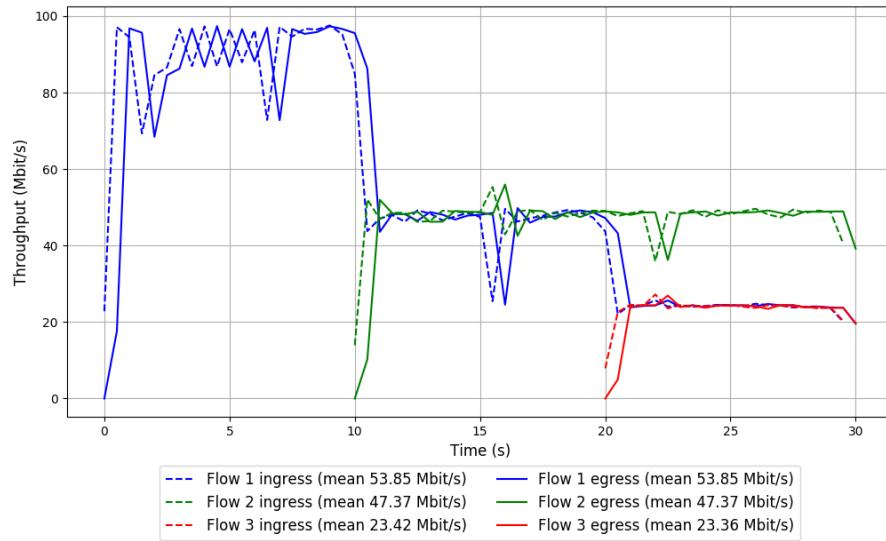


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-19 10:50:31
End at: 2018-06-19 10:51:01
Local clock offset: 2.409 ms
Remote clock offset: -6.348 ms

# Below is generated by plot.py at 2018-06-19 12:29:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 30.750 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 53.85 Mbit/s
95th percentile per-packet one-way delay: 31.075 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 47.37 Mbit/s
95th percentile per-packet one-way delay: 29.339 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 23.36 Mbit/s
95th percentile per-packet one-way delay: 39.558 ms
Loss rate: 0.55%
```

Run 6: Report of QUIC Cubic — Data Link

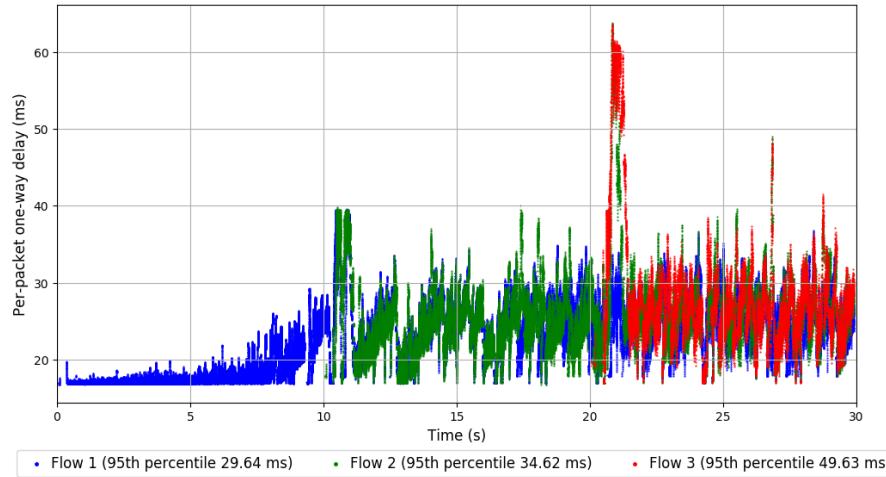
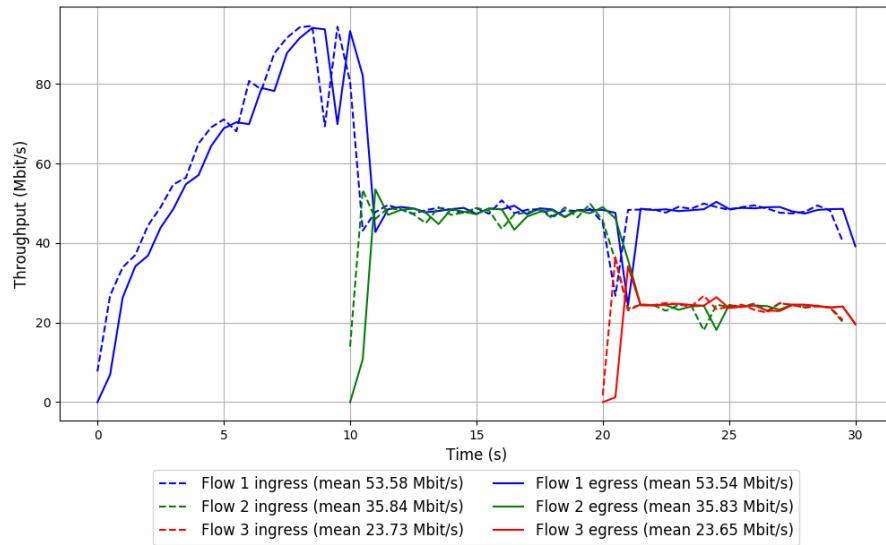


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-19 11:09:45
End at: 2018-06-19 11:10:15
Local clock offset: 1.948 ms
Remote clock offset: -4.322 ms

# Below is generated by plot.py at 2018-06-19 12:29:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 31.753 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 53.54 Mbit/s
95th percentile per-packet one-way delay: 29.639 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 34.623 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 23.65 Mbit/s
95th percentile per-packet one-way delay: 49.635 ms
Loss rate: 0.66%
```

Run 7: Report of QUIC Cubic — Data Link

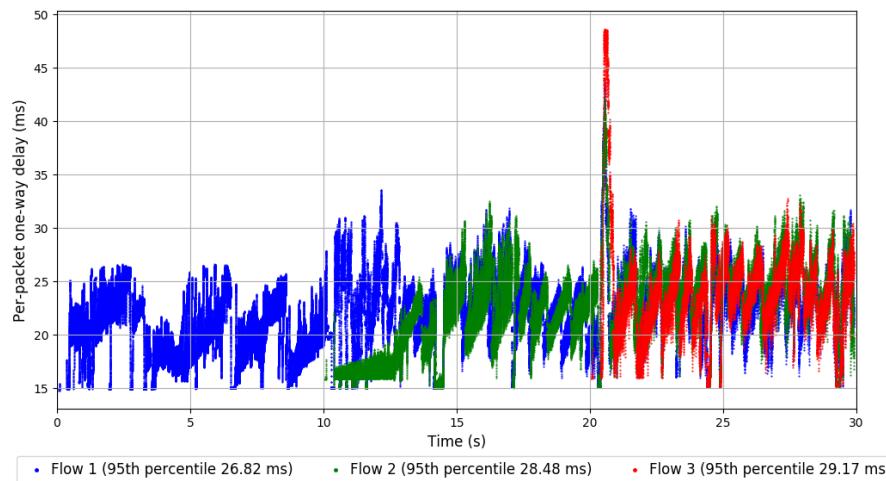
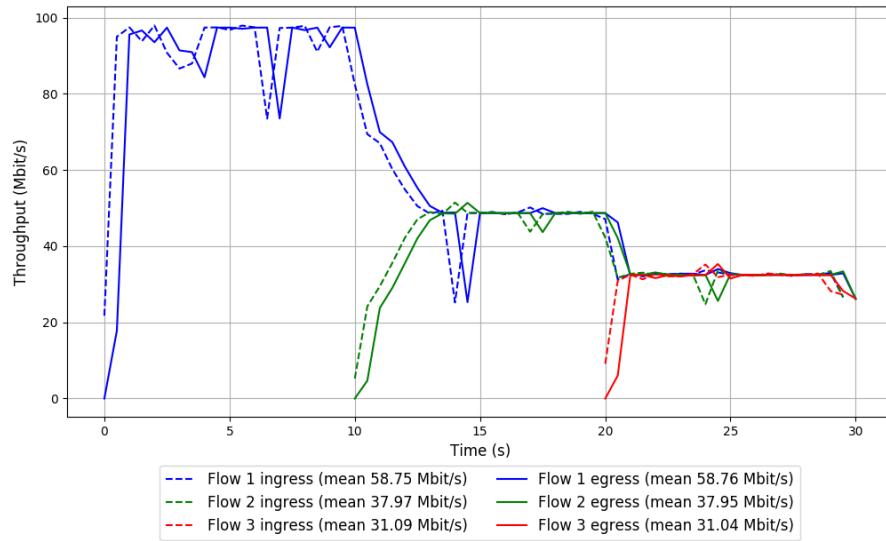


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-19 11:28:36
End at: 2018-06-19 11:29:06
Local clock offset: -0.18 ms
Remote clock offset: -3.103 ms

# Below is generated by plot.py at 2018-06-19 12:30:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.25 Mbit/s
95th percentile per-packet one-way delay: 27.737 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 58.76 Mbit/s
95th percentile per-packet one-way delay: 26.824 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 28.477 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 29.169 ms
Loss rate: 0.51%
```

Run 8: Report of QUIC Cubic — Data Link

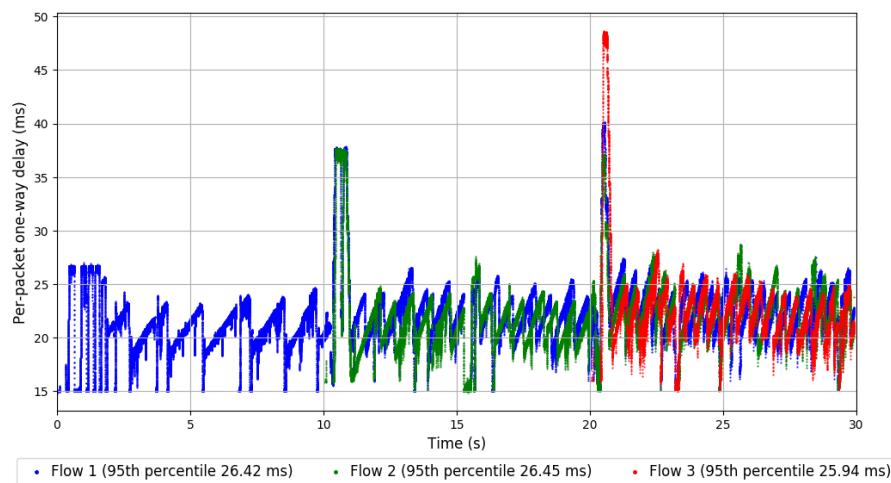
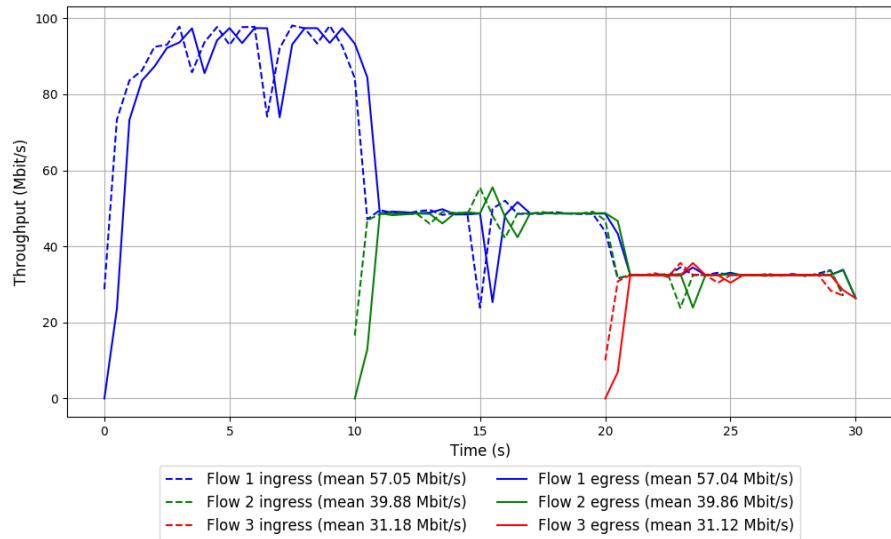


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-19 11:47:37
End at: 2018-06-19 11:48:07
Local clock offset: 2.149 ms
Remote clock offset: 1.479 ms

# Below is generated by plot.py at 2018-06-19 12:30:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.82 Mbit/s
95th percentile per-packet one-way delay: 26.414 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 57.04 Mbit/s
95th percentile per-packet one-way delay: 26.422 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.86 Mbit/s
95th percentile per-packet one-way delay: 26.445 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 25.938 ms
Loss rate: 0.41%
```

Run 9: Report of QUIC Cubic — Data Link

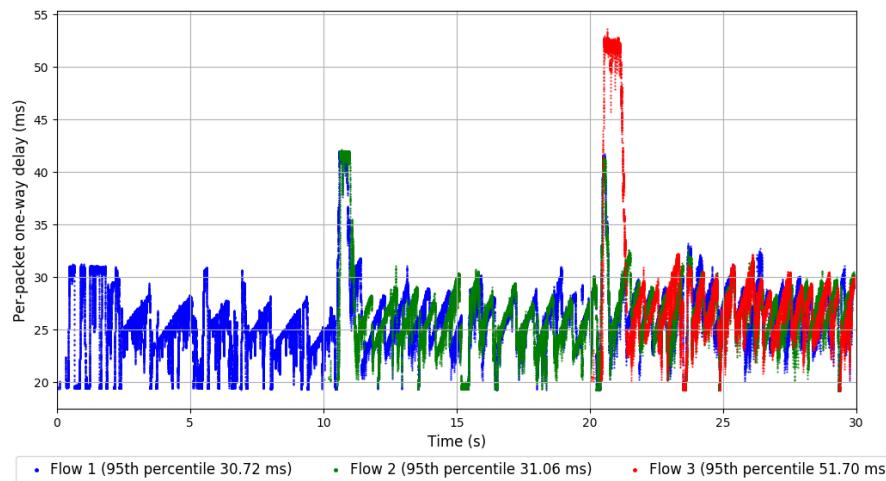
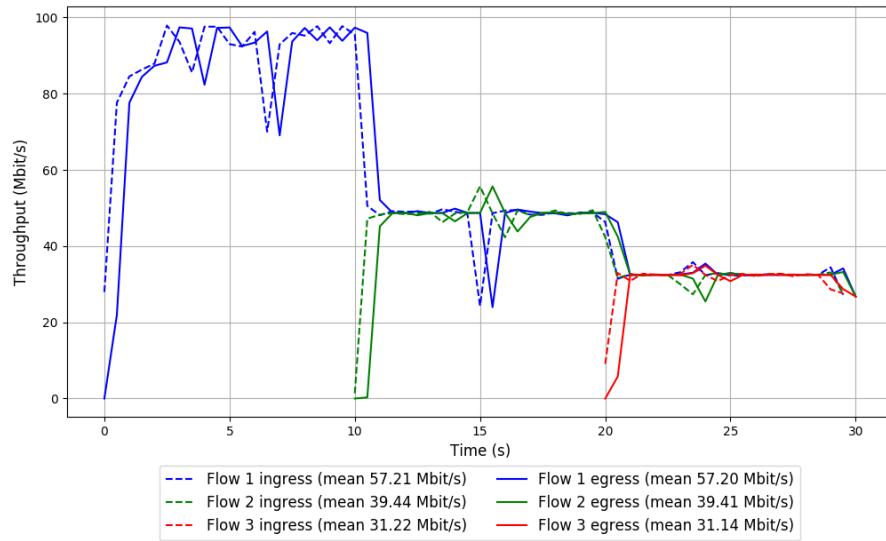


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-06-19 12:06:48
End at: 2018-06-19 12:07:18
Local clock offset: 3.067 ms
Remote clock offset: -2.442 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 30.826 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.20 Mbit/s
95th percentile per-packet one-way delay: 30.724 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.41 Mbit/s
95th percentile per-packet one-way delay: 31.056 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 51.703 ms
Loss rate: 0.53%
```

Run 10: Report of QUIC Cubic — Data Link

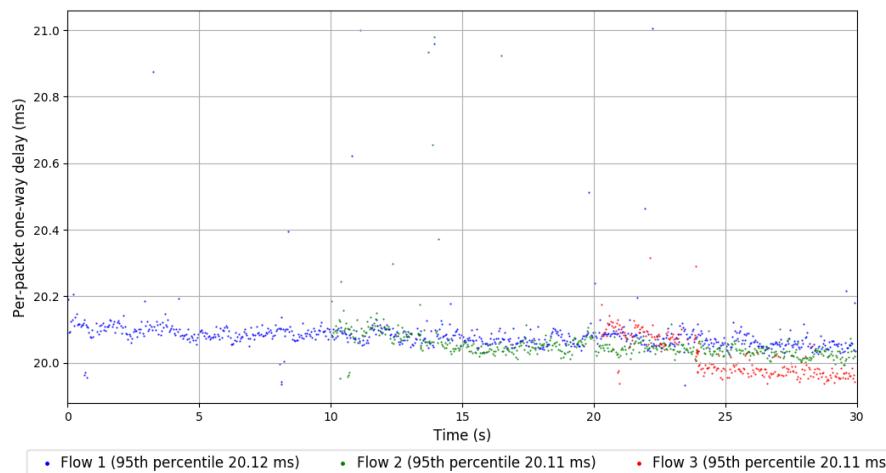
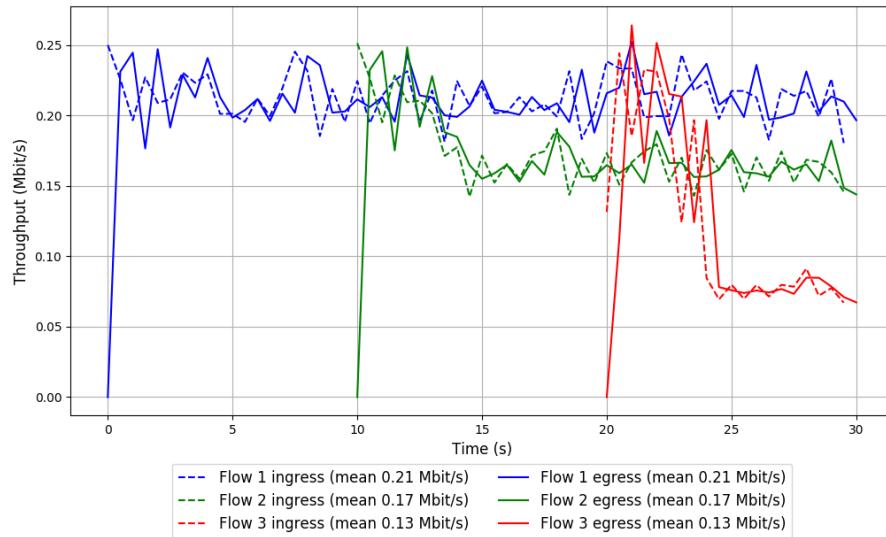


```
Run 1: Statistics of SCReAM

Start at: 2018-06-19 09:07:36
End at: 2018-06-19 09:08:06
Local clock offset: -1.478 ms
Remote clock offset: -4.085 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 20.119 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.122 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 20.111 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 20.115 ms
Loss rate: 0.25%
```

Run 1: Report of SCReAM — Data Link

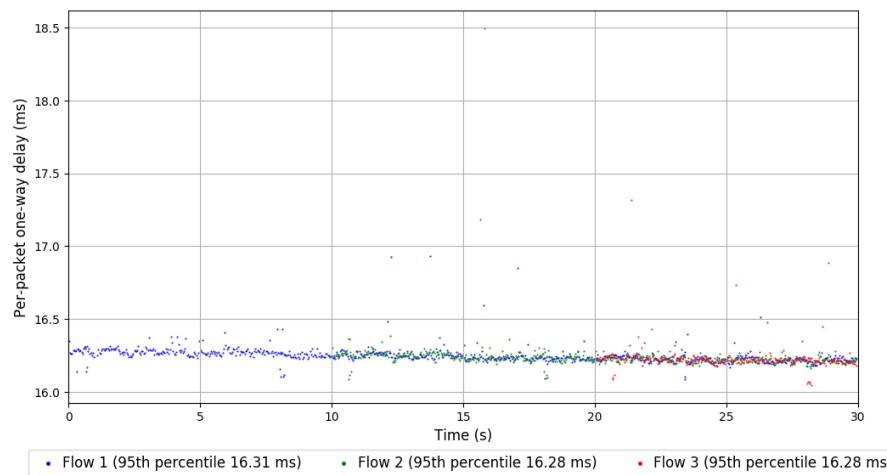
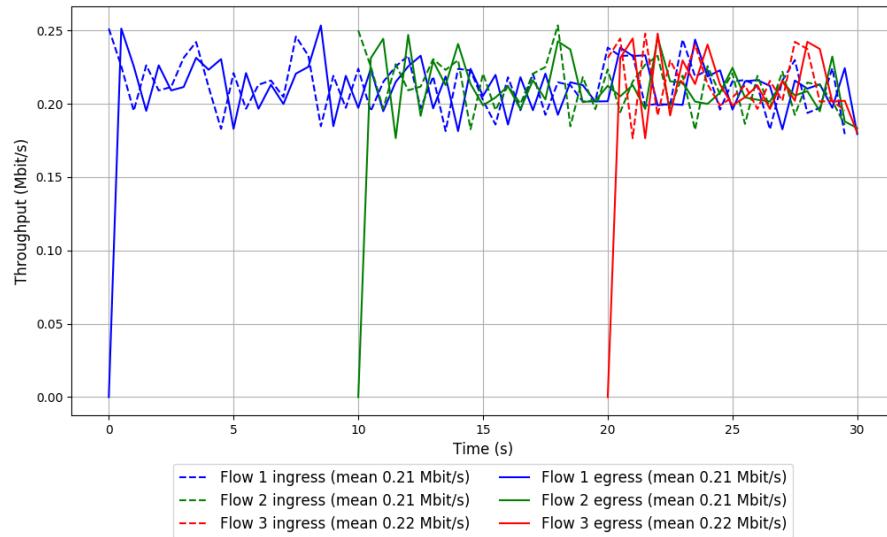


Run 2: Statistics of SCReAM

```
Start at: 2018-06-19 09:26:26
End at: 2018-06-19 09:26:56
Local clock offset: 0.816 ms
Remote clock offset: -4.465 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 16.298 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.308 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.284 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.279 ms
Loss rate: 0.35%
```

Run 2: Report of SCReAM — Data Link

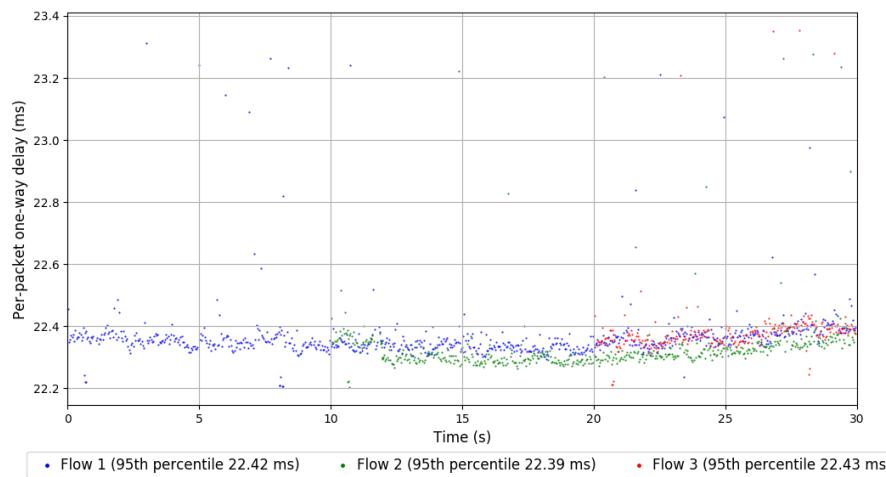
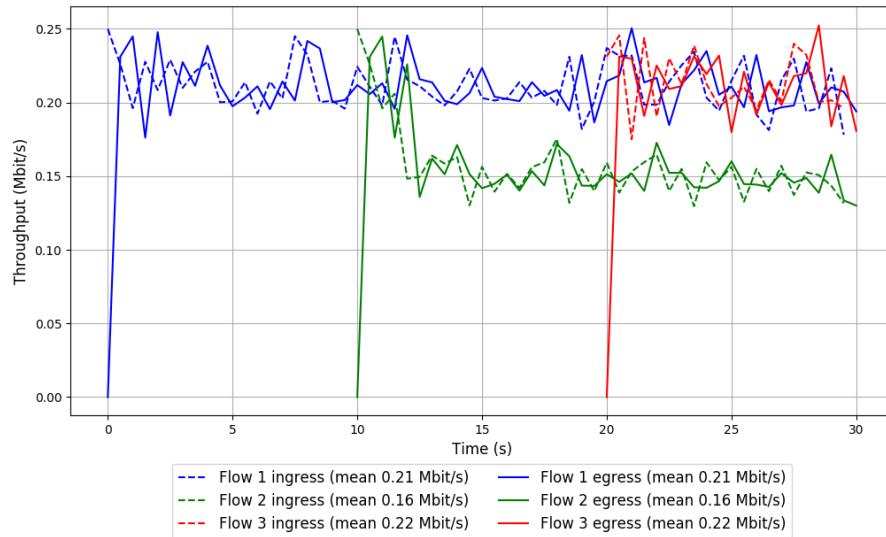


Run 3: Statistics of SCReAM

```
Start at: 2018-06-19 09:45:21
End at: 2018-06-19 09:45:51
Local clock offset: -4.117 ms
Remote clock offset: -15.38 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 22.417 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 22.420 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 22.386 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.431 ms
Loss rate: 0.36%
```

### Run 3: Report of SCReAM — Data Link

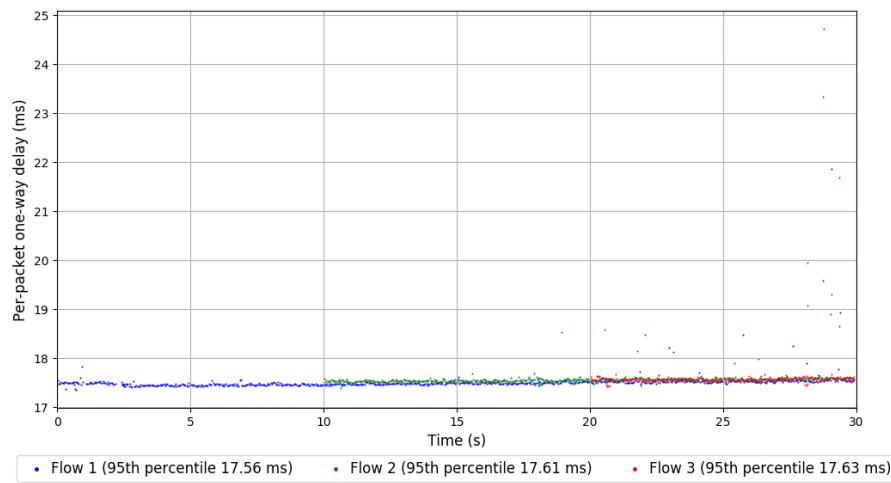
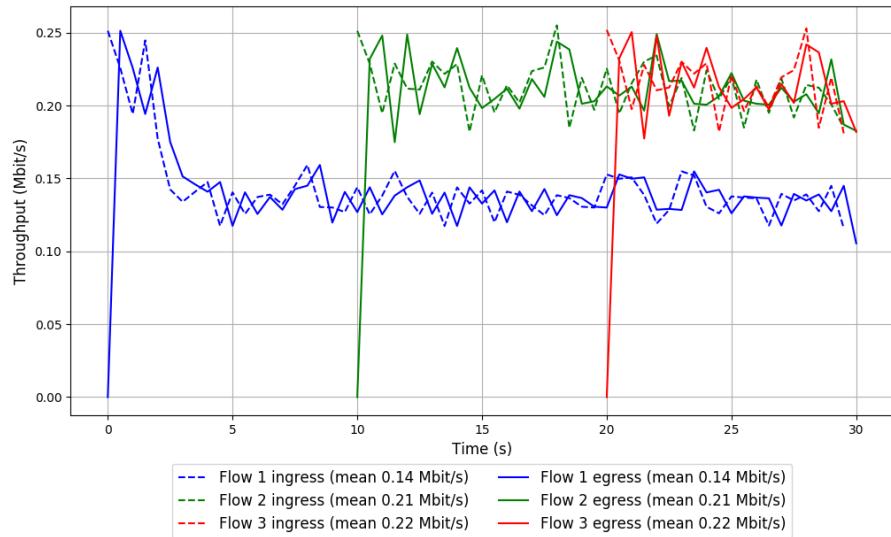


Run 4: Statistics of SCReAM

```
Start at: 2018-06-19 10:04:42
End at: 2018-06-19 10:05:12
Local clock offset: 2.507 ms
Remote clock offset: -0.427 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 17.606 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 17.562 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.607 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.629 ms
Loss rate: 0.35%
```

Run 4: Report of SCReAM — Data Link

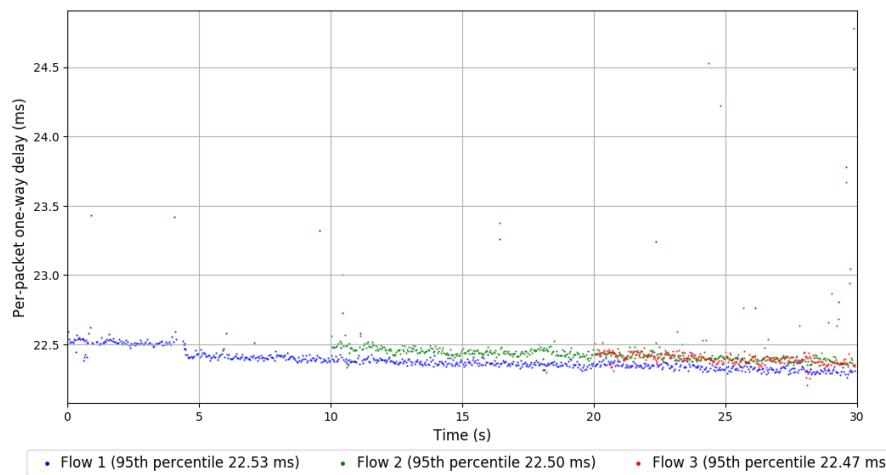
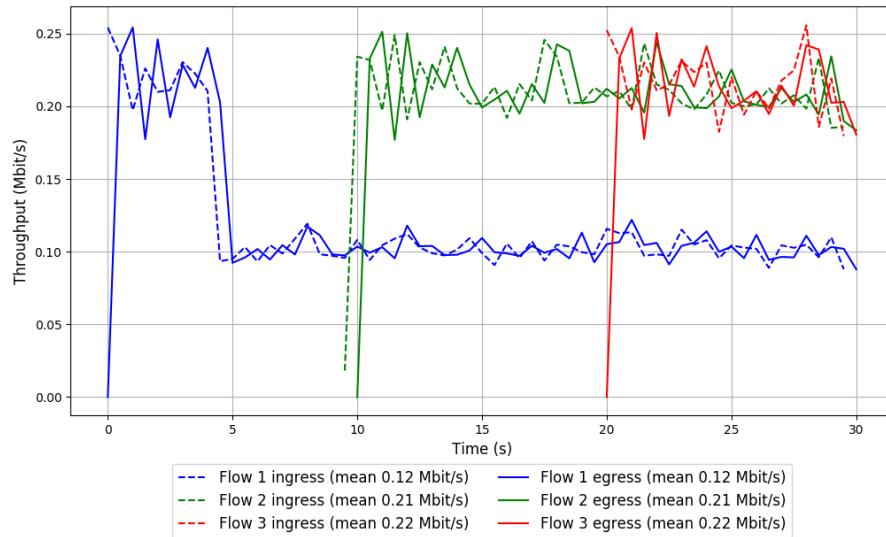


Run 5: Statistics of SCReAM

```
Start at: 2018-06-19 10:23:58
End at: 2018-06-19 10:24:28
Local clock offset: 0.241 ms
Remote clock offset: -6.055 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 22.519 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 22.529 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 22.498 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.466 ms
Loss rate: 0.35%
```

Run 5: Report of SCReAM — Data Link

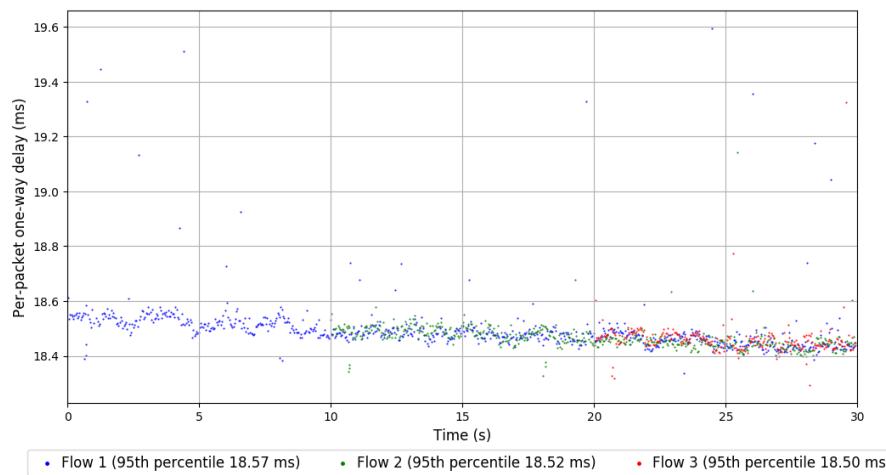
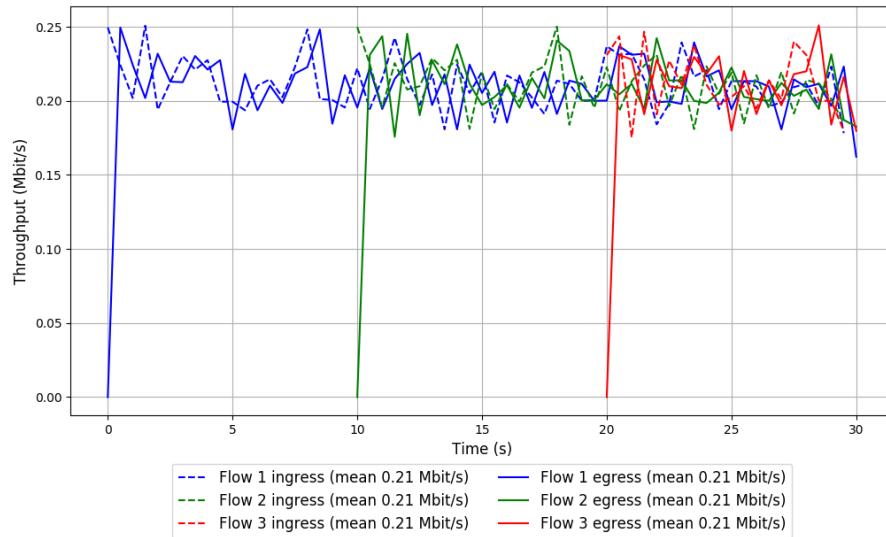


Run 6: Statistics of SCReAM

```
Start at: 2018-06-19 10:43:08
End at: 2018-06-19 10:43:39
Local clock offset: 2.054 ms
Remote clock offset: -6.59 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 18.552 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.566 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.516 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.500 ms
Loss rate: 0.00%
```

## Run 6: Report of SCReAM — Data Link

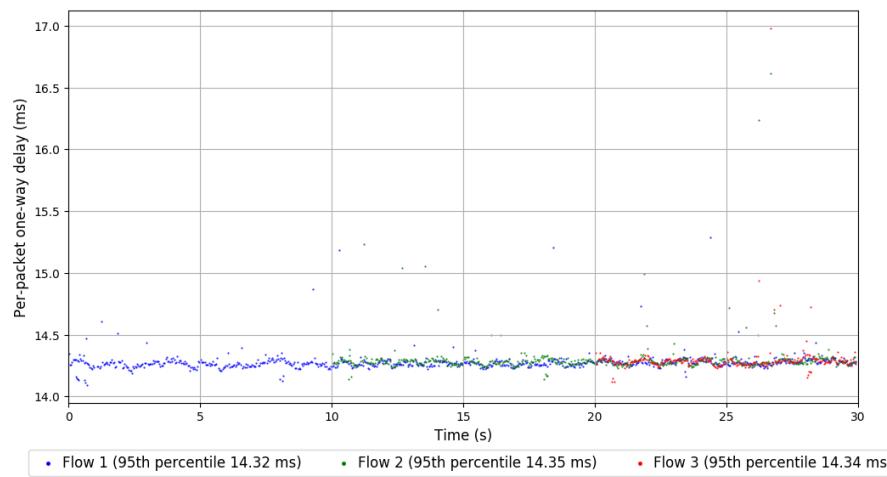
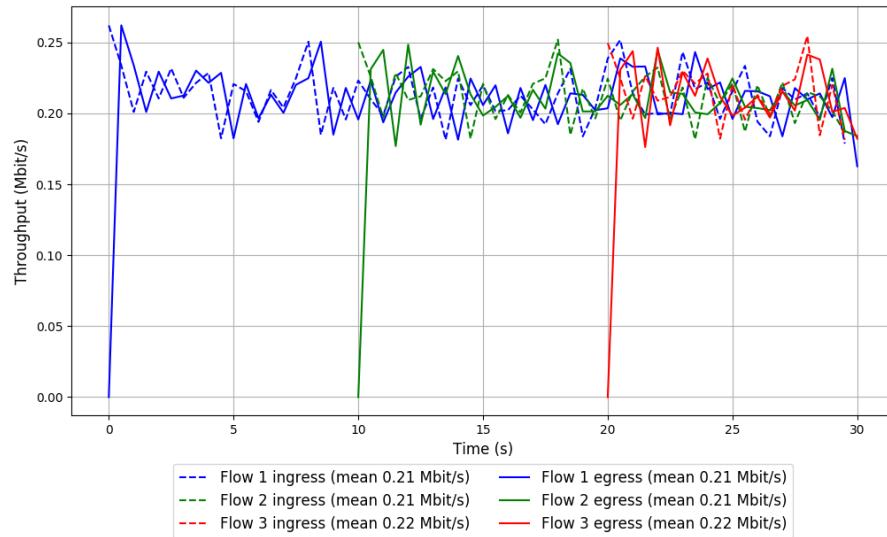


Run 7: Statistics of SCReAM

```
Start at: 2018-06-19 11:02:25
End at: 2018-06-19 11:02:55
Local clock offset: 2.37 ms
Remote clock offset: -4.124 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 14.332 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.318 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.345 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 14.339 ms
Loss rate: 0.36%
```

## Run 7: Report of SCReAM — Data Link

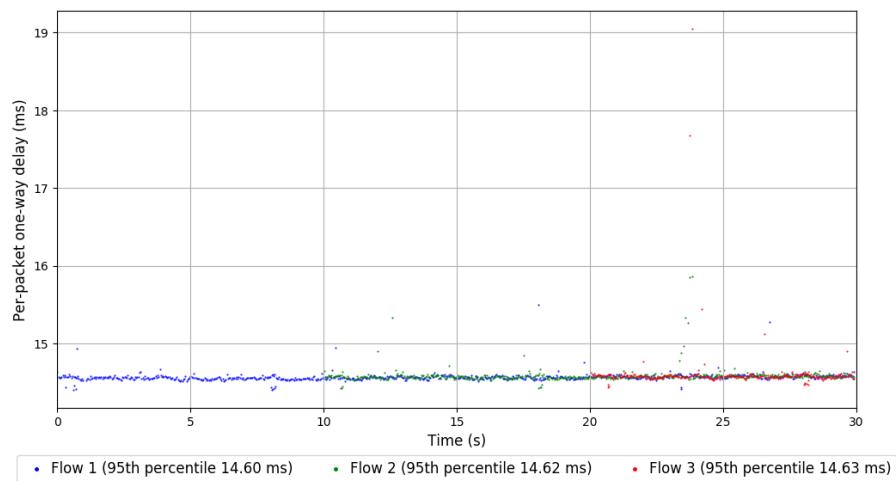
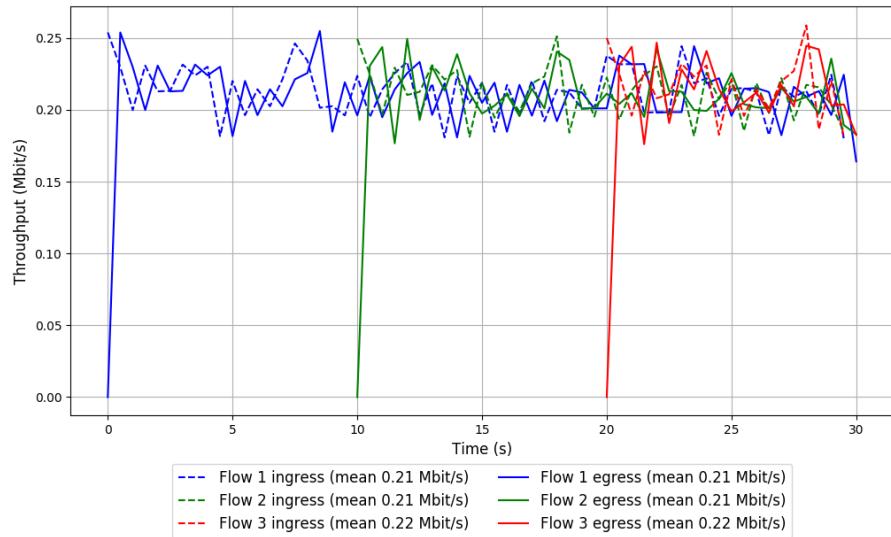


Run 8: Statistics of SCReAM

```
Start at: 2018-06-19 11:21:33
End at: 2018-06-19 11:22:03
Local clock offset: 0.625 ms
Remote clock offset: -2.51 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 14.612 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.604 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.625 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 14.626 ms
Loss rate: 0.36%
```

## Run 8: Report of SCReAM — Data Link

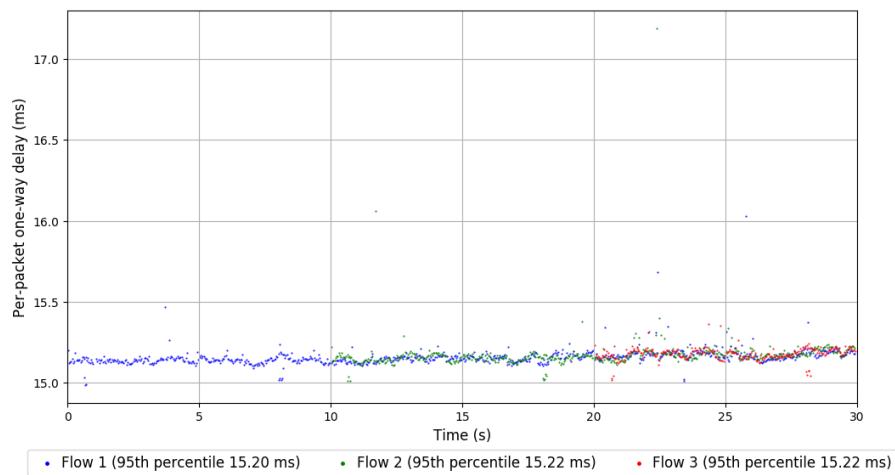
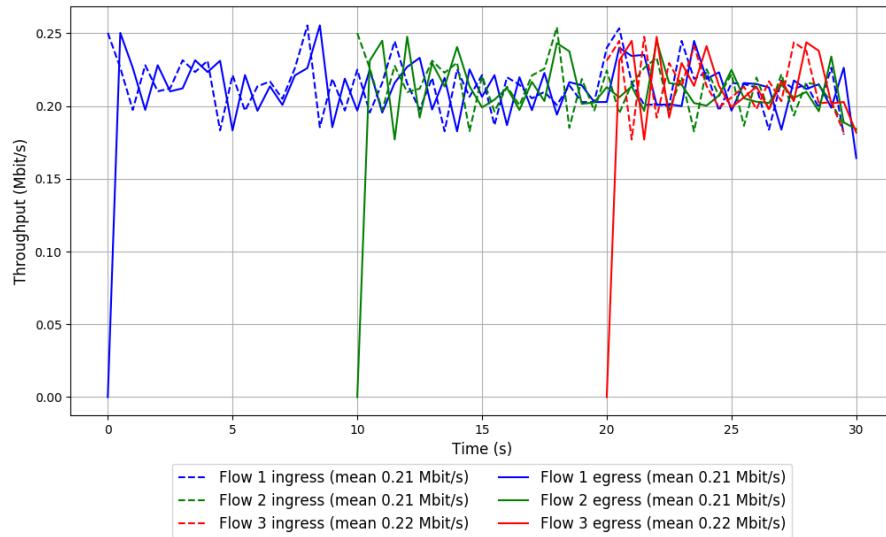


Run 9: Statistics of SCReAM

```
Start at: 2018-06-19 11:40:32
End at: 2018-06-19 11:41:02
Local clock offset: 2.623 ms
Remote clock offset: 0.951 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.220 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.204 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.223 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.224 ms
Loss rate: 0.00%
```

## Run 9: Report of SCReAM — Data Link

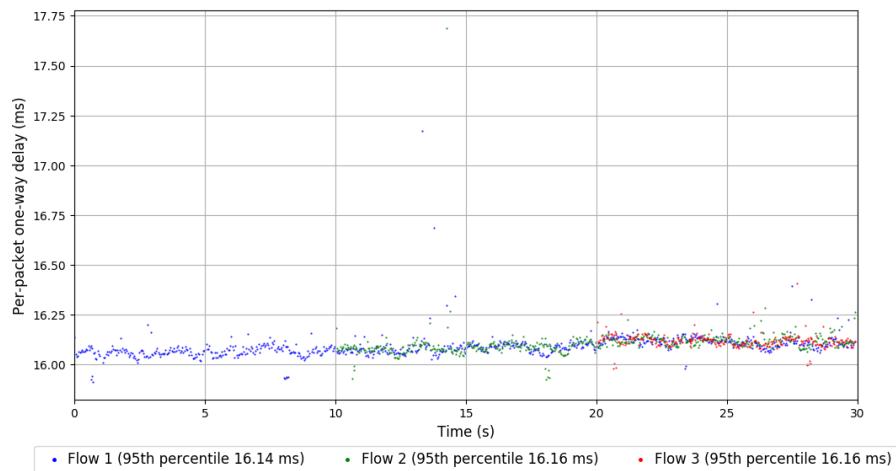
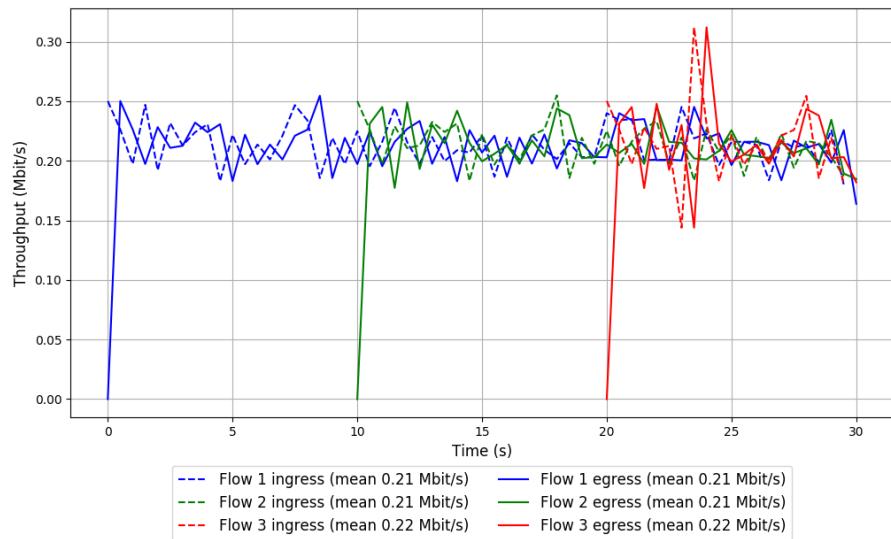


Run 10: Statistics of SCReAM

```
Start at: 2018-06-19 11:59:38
End at: 2018-06-19 12:00:08
Local clock offset: 1.356 ms
Remote clock offset: 1.043 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 16.152 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.142 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.158 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.156 ms
Loss rate: 0.36%
```

## Run 10: Report of SCReAM — Data Link

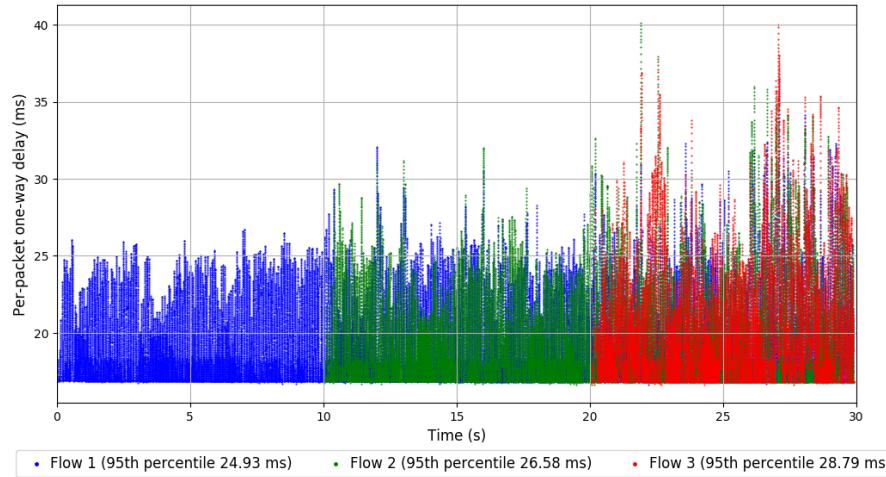
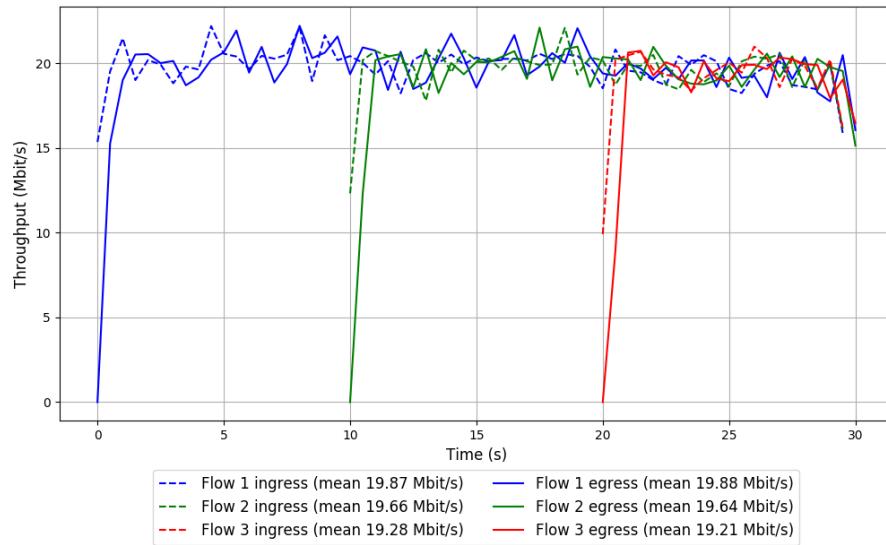


Run 1: Statistics of Sprout

```
Start at: 2018-06-19 09:04:01
End at: 2018-06-19 09:04:31
Local clock offset: 1.03 ms
Remote clock offset: 0.518 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.27 Mbit/s
95th percentile per-packet one-way delay: 26.180 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 19.88 Mbit/s
95th percentile per-packet one-way delay: 24.928 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 19.64 Mbit/s
95th percentile per-packet one-way delay: 26.580 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 19.21 Mbit/s
95th percentile per-packet one-way delay: 28.788 ms
Loss rate: 0.44%
```

## Run 1: Report of Sprout — Data Link

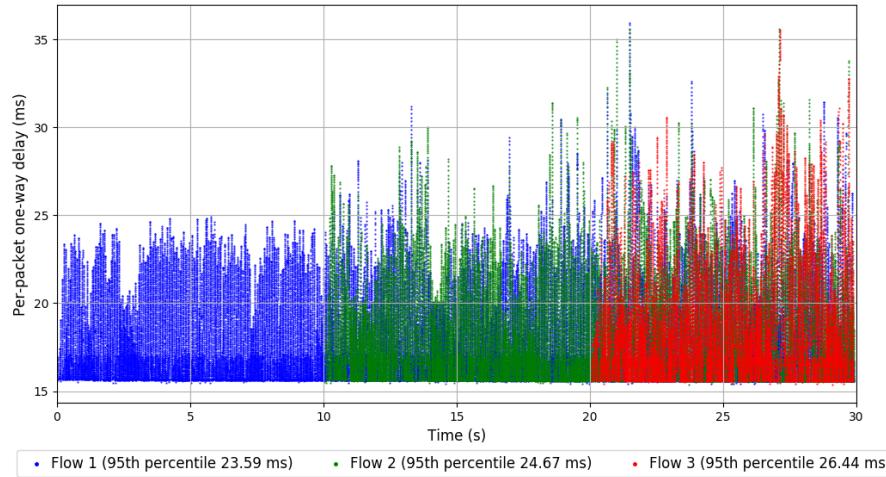
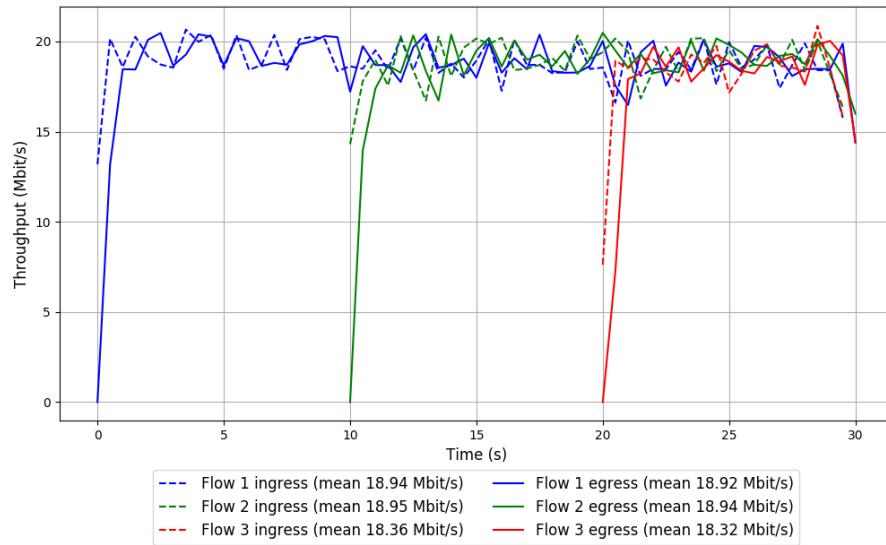


Run 2: Statistics of Sprout

```
Start at: 2018-06-19 09:22:47
End at: 2018-06-19 09:23:17
Local clock offset: -0.668 ms
Remote clock offset: -4.697 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.55 Mbit/s
95th percentile per-packet one-way delay: 24.434 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 18.92 Mbit/s
95th percentile per-packet one-way delay: 23.586 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 18.94 Mbit/s
95th percentile per-packet one-way delay: 24.670 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 26.438 ms
Loss rate: 0.49%
```

## Run 2: Report of Sprout — Data Link

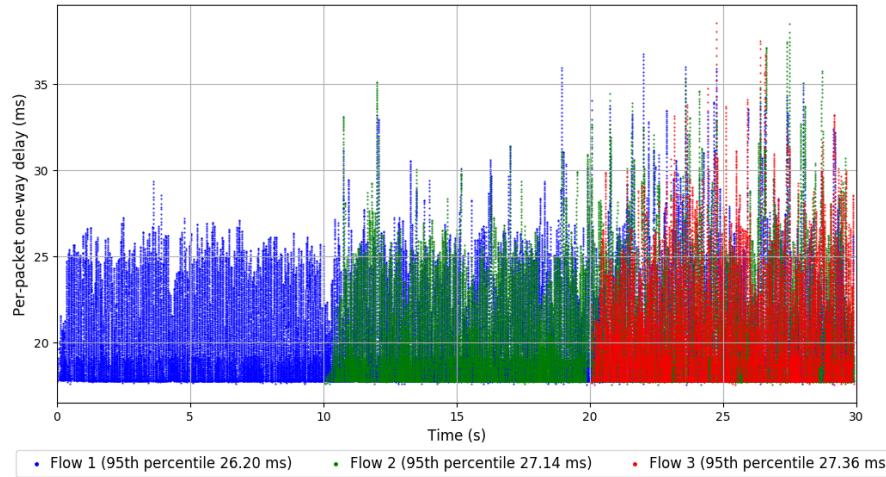
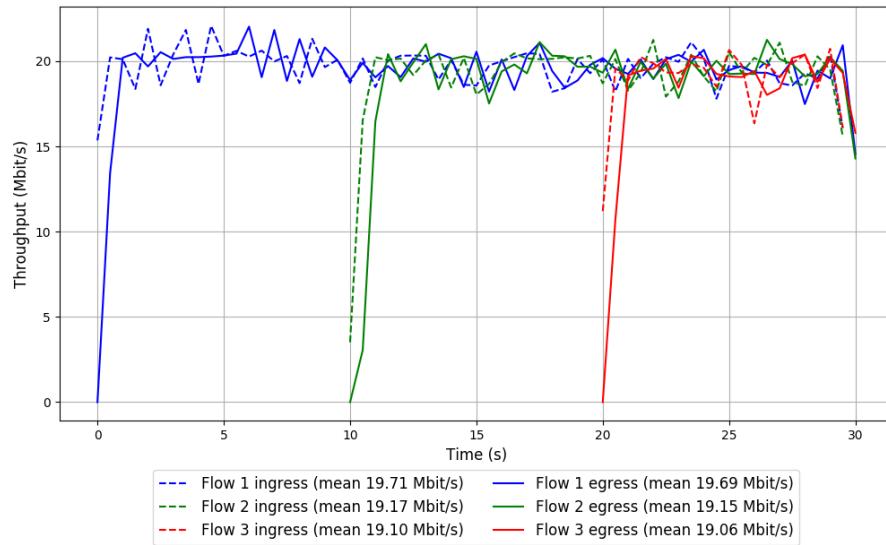


Run 3: Statistics of Sprout

```
Start at: 2018-06-19 09:41:47
End at: 2018-06-19 09:42:17
Local clock offset: 1.613 ms
Remote clock offset: -6.458 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 26.686 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 19.69 Mbit/s
95th percentile per-packet one-way delay: 26.201 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 19.15 Mbit/s
95th percentile per-packet one-way delay: 27.135 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 19.06 Mbit/s
95th percentile per-packet one-way delay: 27.359 ms
Loss rate: 0.45%
```

Run 3: Report of Sprout — Data Link

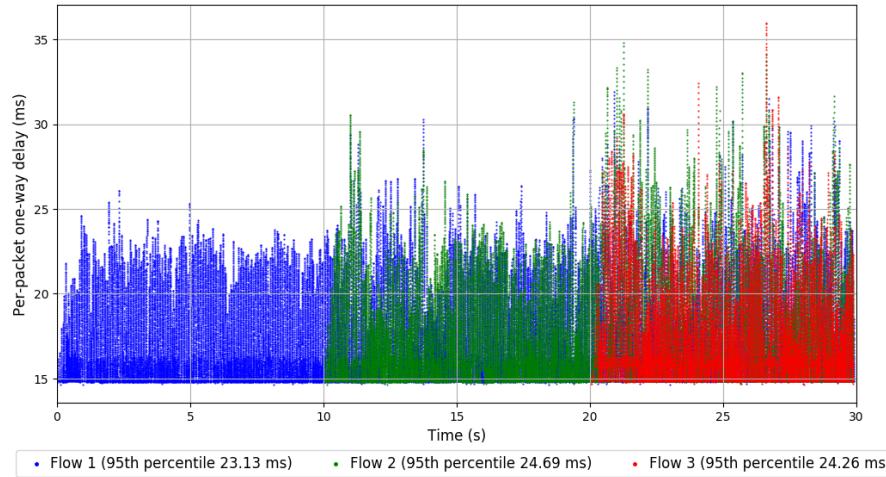
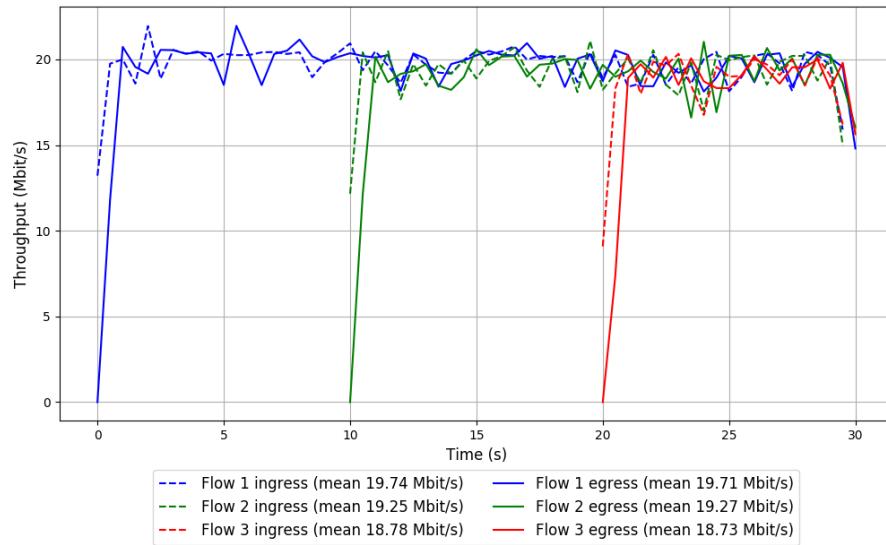


Run 4: Statistics of Sprout

```
Start at: 2018-06-19 10:00:59
End at: 2018-06-19 10:01:29
Local clock offset: -1.377 ms
Remote clock offset: -3.598 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 23.791 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 19.71 Mbit/s
95th percentile per-packet one-way delay: 23.129 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 19.27 Mbit/s
95th percentile per-packet one-way delay: 24.692 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 18.73 Mbit/s
95th percentile per-packet one-way delay: 24.260 ms
Loss rate: 0.49%
```

Run 4: Report of Sprout — Data Link

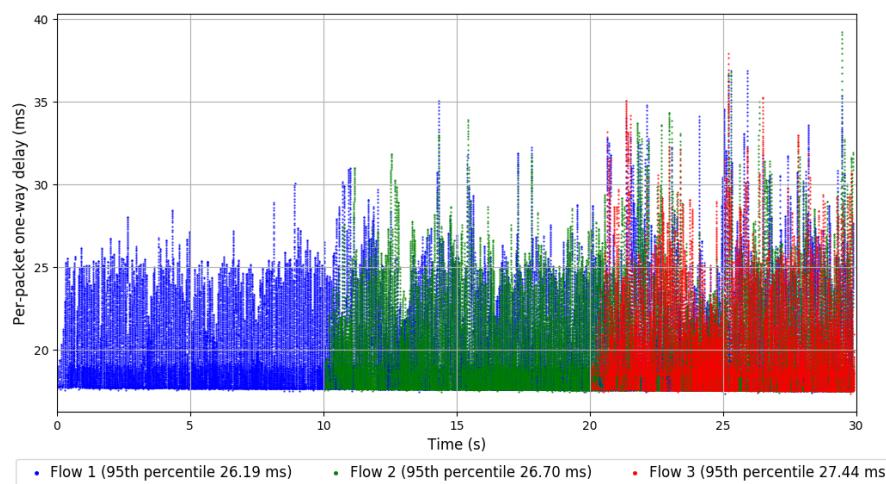
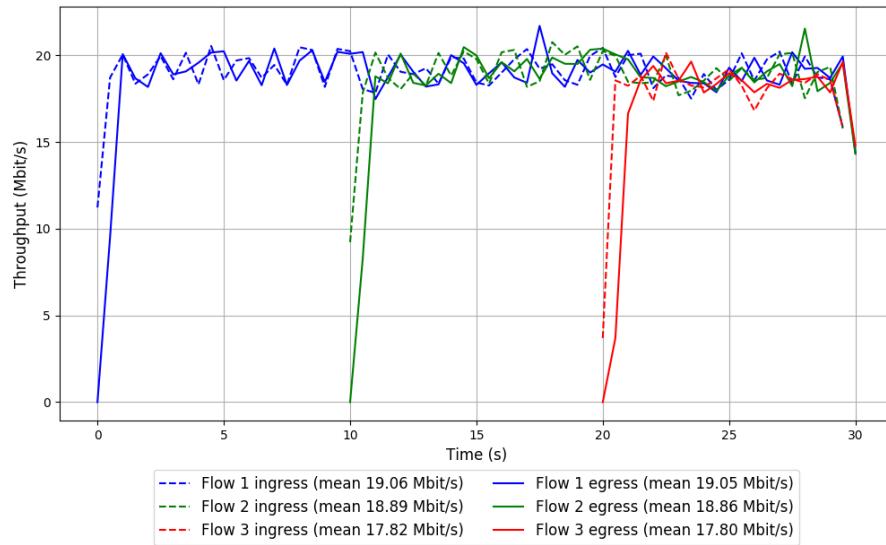


Run 5: Statistics of Sprout

```
Start at: 2018-06-19 10:20:25
End at: 2018-06-19 10:20:55
Local clock offset: -1.316 ms
Remote clock offset: -3.001 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 26.547 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 19.05 Mbit/s
95th percentile per-packet one-way delay: 26.189 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 18.86 Mbit/s
95th percentile per-packet one-way delay: 26.699 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 17.80 Mbit/s
95th percentile per-packet one-way delay: 27.441 ms
Loss rate: 0.30%
```

Run 5: Report of Sprout — Data Link

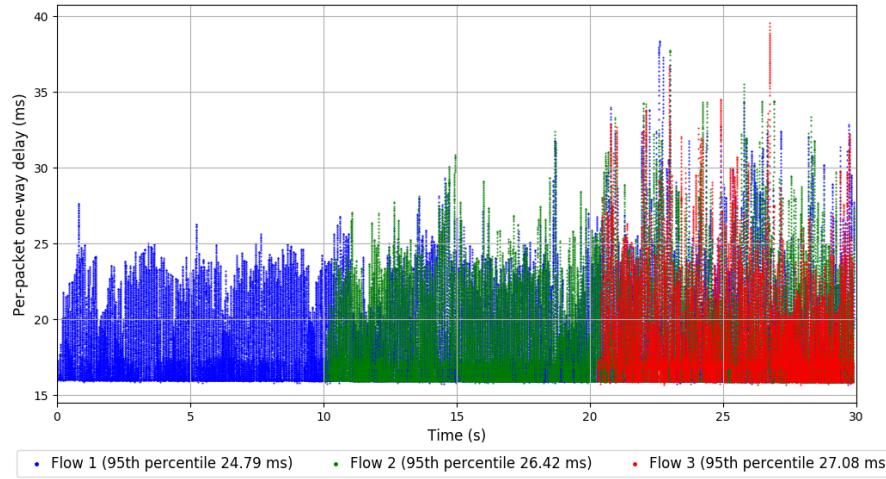
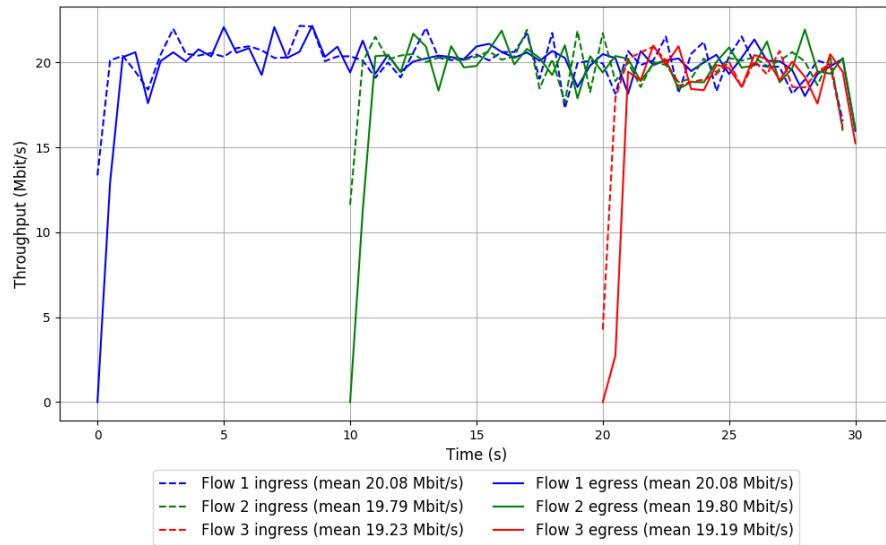


Run 6: Statistics of Sprout

```
Start at: 2018-06-19 10:39:34
End at: 2018-06-19 10:40:04
Local clock offset: 0.227 ms
Remote clock offset: -7.023 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.43 Mbit/s
95th percentile per-packet one-way delay: 25.788 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 20.08 Mbit/s
95th percentile per-packet one-way delay: 24.788 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 19.80 Mbit/s
95th percentile per-packet one-way delay: 26.419 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 19.19 Mbit/s
95th percentile per-packet one-way delay: 27.078 ms
Loss rate: 0.45%
```

Run 6: Report of Sprout — Data Link

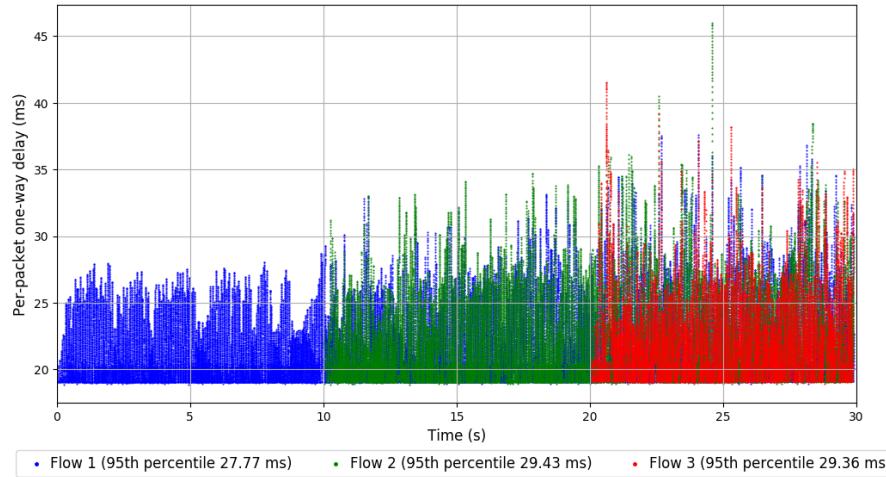
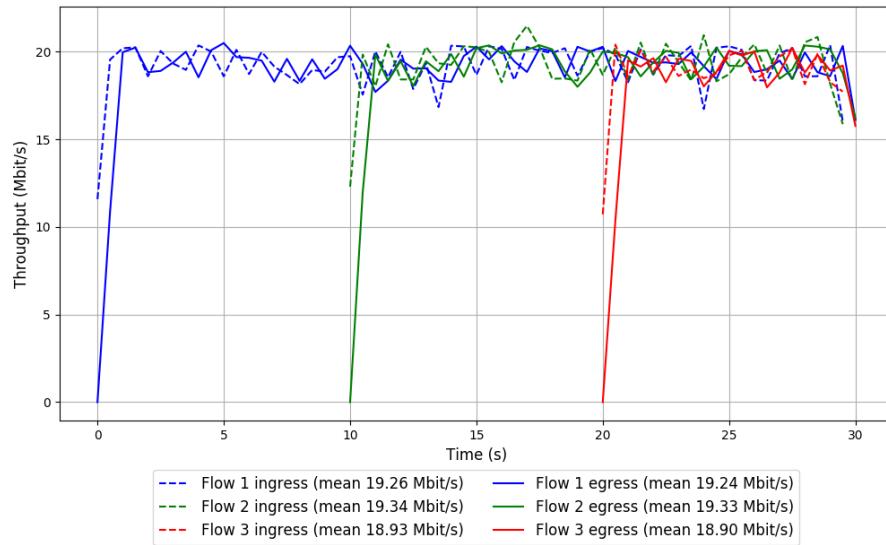


Run 7: Statistics of Sprout

```
Start at: 2018-06-19 10:58:52
End at: 2018-06-19 10:59:22
Local clock offset: 2.091 ms
Remote clock offset: -9.483 ms

# Below is generated by plot.py at 2018-06-19 12:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 28.613 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 19.24 Mbit/s
95th percentile per-packet one-way delay: 27.770 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 29.433 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.90 Mbit/s
95th percentile per-packet one-way delay: 29.361 ms
Loss rate: 0.52%
```

Run 7: Report of Sprout — Data Link

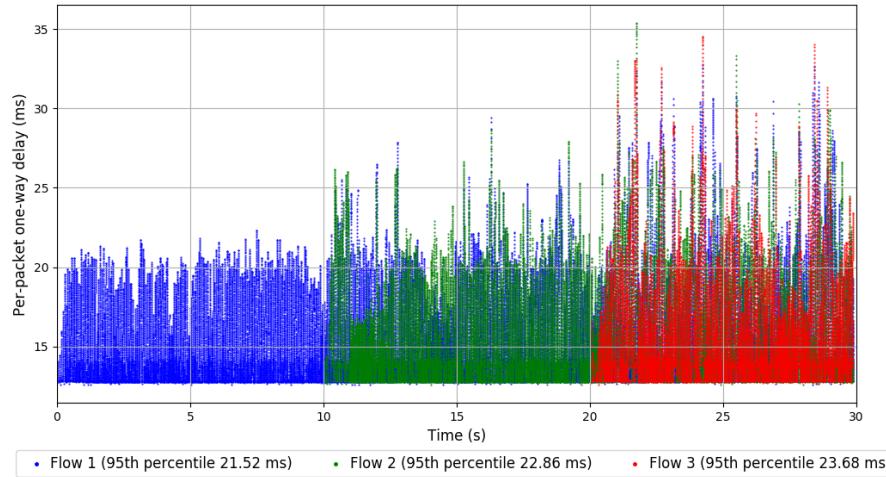
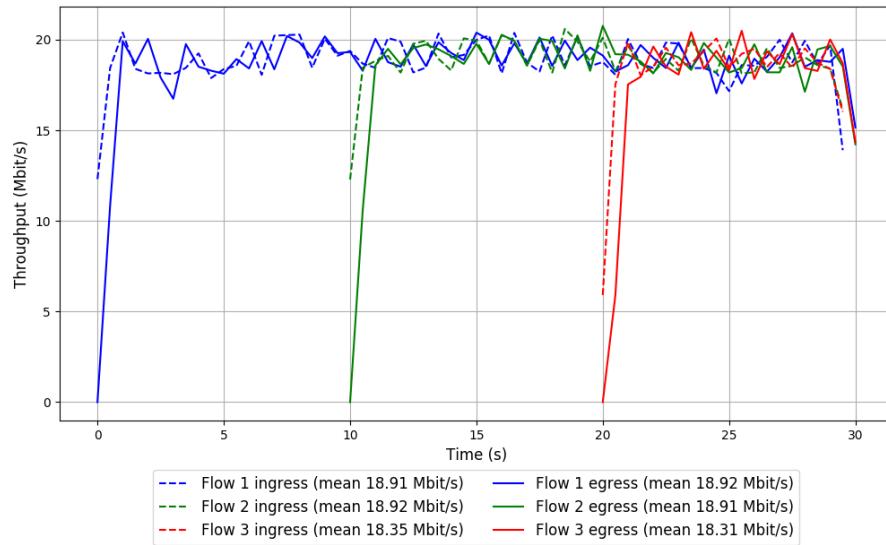


Run 8: Statistics of Sprout

```
Start at: 2018-06-19 11:17:58
End at: 2018-06-19 11:18:28
Local clock offset: -1.669 ms
Remote clock offset: -3.111 ms

# Below is generated by plot.py at 2018-06-19 12:30:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.52 Mbit/s
95th percentile per-packet one-way delay: 22.390 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 18.92 Mbit/s
95th percentile per-packet one-way delay: 21.516 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 18.91 Mbit/s
95th percentile per-packet one-way delay: 22.863 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 18.31 Mbit/s
95th percentile per-packet one-way delay: 23.679 ms
Loss rate: 0.46%
```

Run 8: Report of Sprout — Data Link

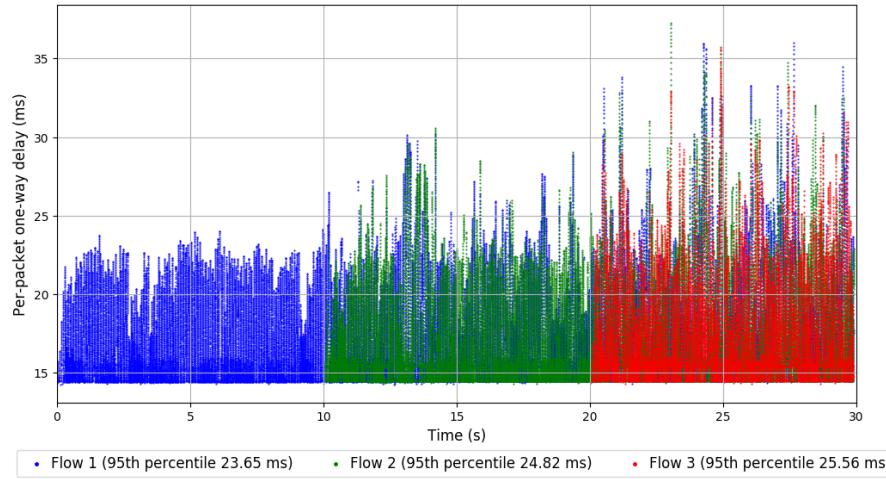
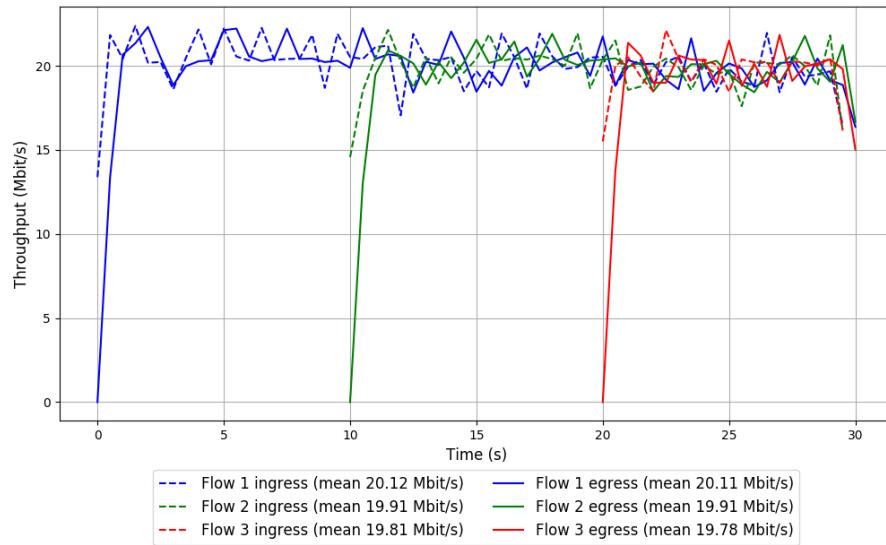


Run 9: Statistics of Sprout

```
Start at: 2018-06-19 11:37:01
End at: 2018-06-19 11:37:31
Local clock offset: 1.247 ms
Remote clock offset: -0.164 ms

# Below is generated by plot.py at 2018-06-19 12:30:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 24.433 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.11 Mbit/s
95th percentile per-packet one-way delay: 23.652 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 19.91 Mbit/s
95th percentile per-packet one-way delay: 24.825 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 25.558 ms
Loss rate: 0.45%
```

## Run 9: Report of Sprout — Data Link

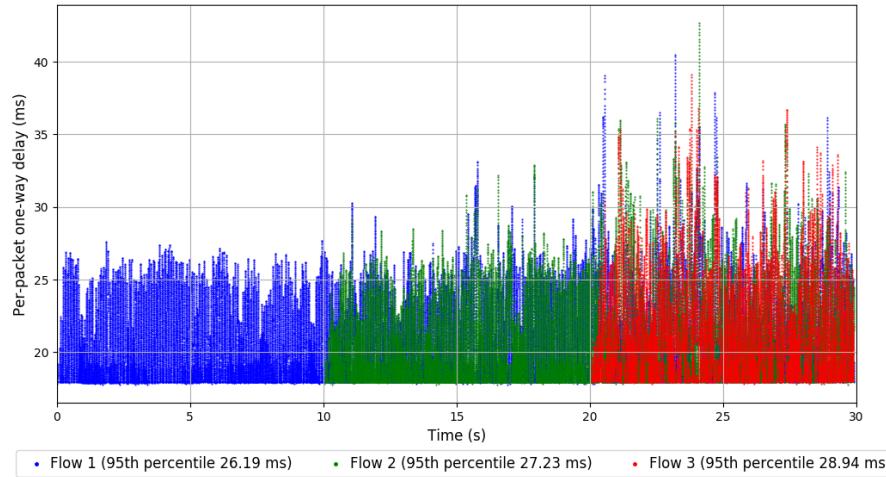
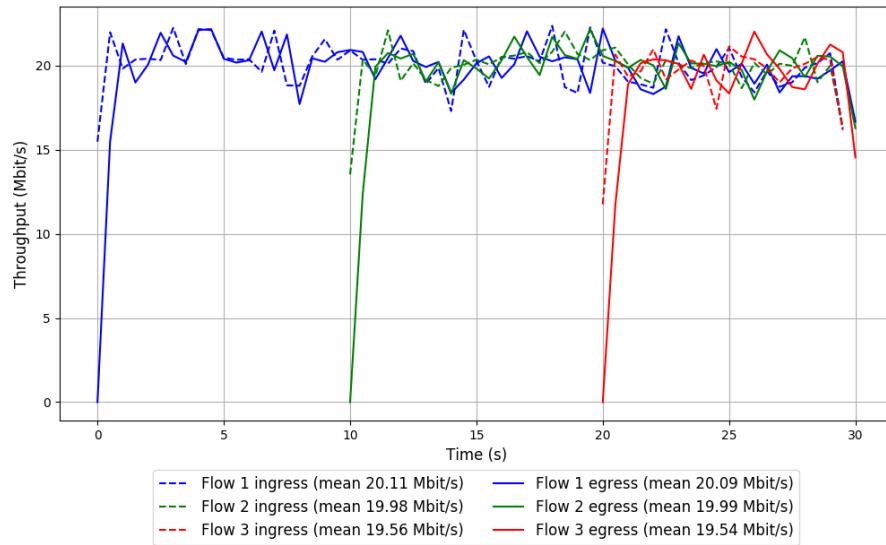


Run 10: Statistics of Sprout

```
Start at: 2018-06-19 11:56:08
End at: 2018-06-19 11:56:38
Local clock offset: 2.862 ms
Remote clock offset: 0.297 ms

# Below is generated by plot.py at 2018-06-19 12:30:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 27.006 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 26.187 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 19.99 Mbit/s
95th percentile per-packet one-way delay: 27.234 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 19.54 Mbit/s
95th percentile per-packet one-way delay: 28.944 ms
Loss rate: 0.51%
```

## Run 10: Report of Sprout — Data Link

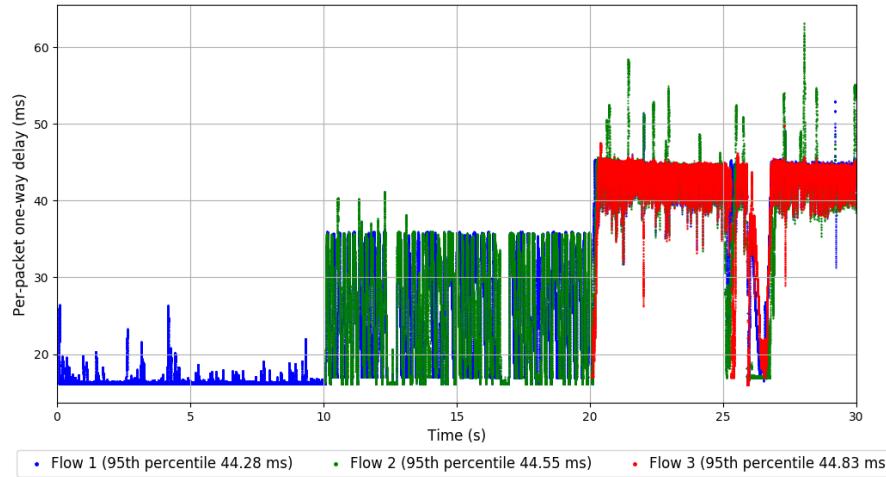
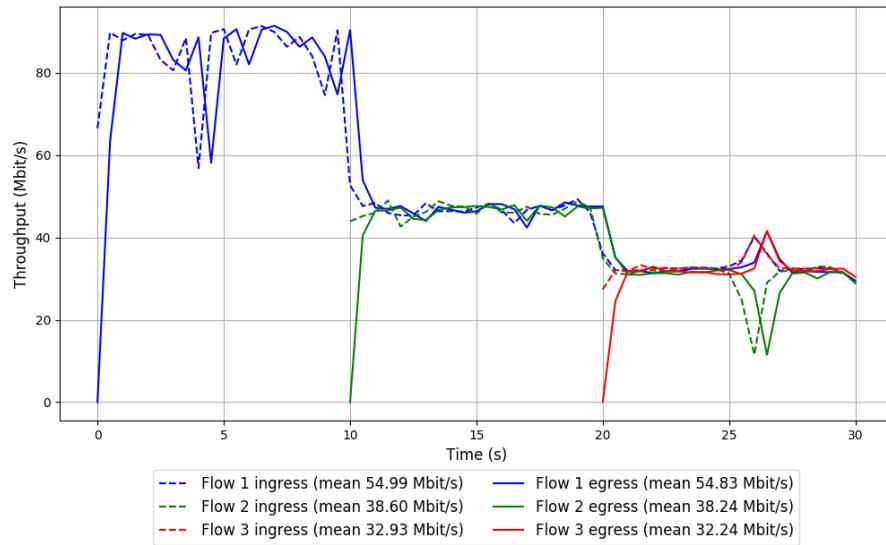


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-19 09:19:17
End at: 2018-06-19 09:19:47
Local clock offset: -0.599 ms
Remote clock offset: -4.339 ms

# Below is generated by plot.py at 2018-06-19 12:32:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.98 Mbit/s
95th percentile per-packet one-way delay: 44.505 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 54.83 Mbit/s
95th percentile per-packet one-way delay: 44.285 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 38.24 Mbit/s
95th percentile per-packet one-way delay: 44.548 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 44.828 ms
Loss rate: 2.38%
```

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

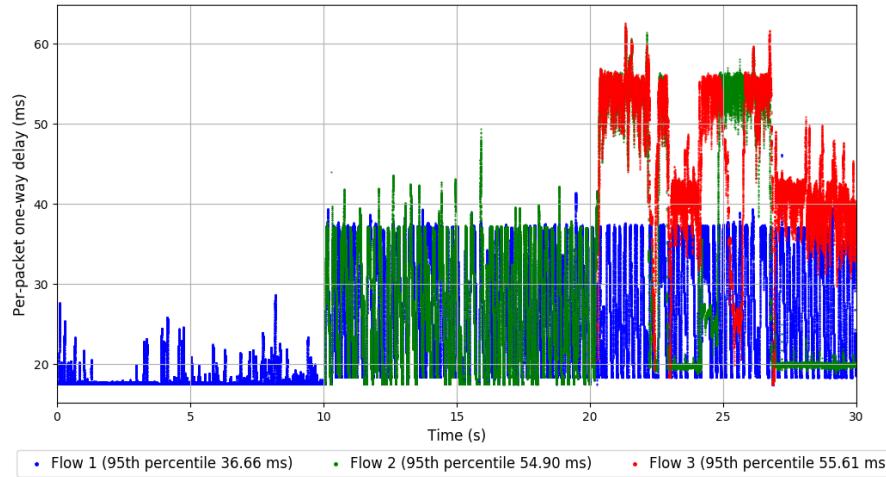
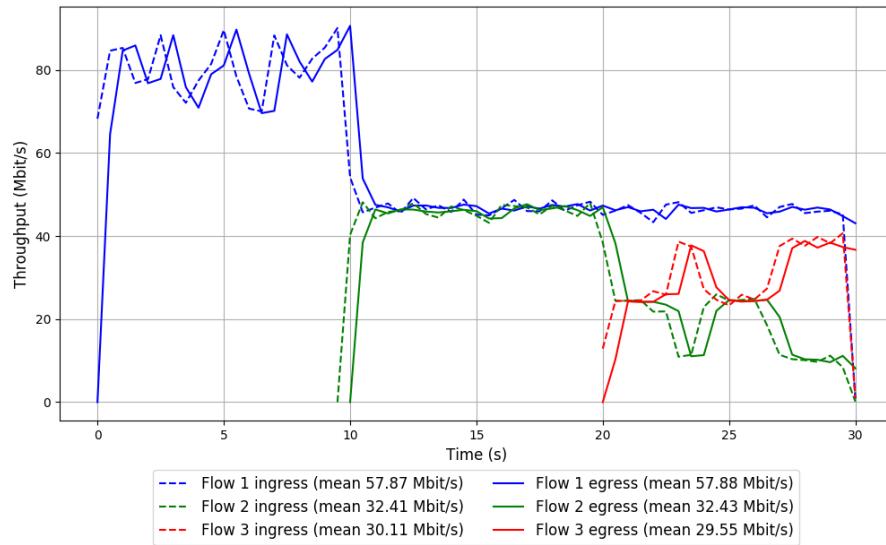


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-19 09:38:08
End at: 2018-06-19 09:38:38
Local clock offset: 0.5 ms
Remote clock offset: -7.07 ms

# Below is generated by plot.py at 2018-06-19 12:32:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: 53.055 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 57.88 Mbit/s
95th percentile per-packet one-way delay: 36.660 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 54.895 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 29.55 Mbit/s
95th percentile per-packet one-way delay: 55.612 ms
Loss rate: 2.54%
```

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

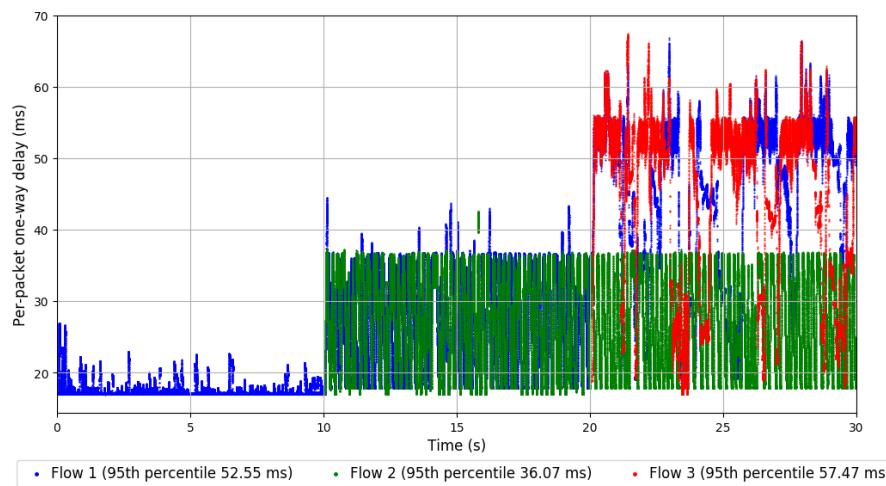
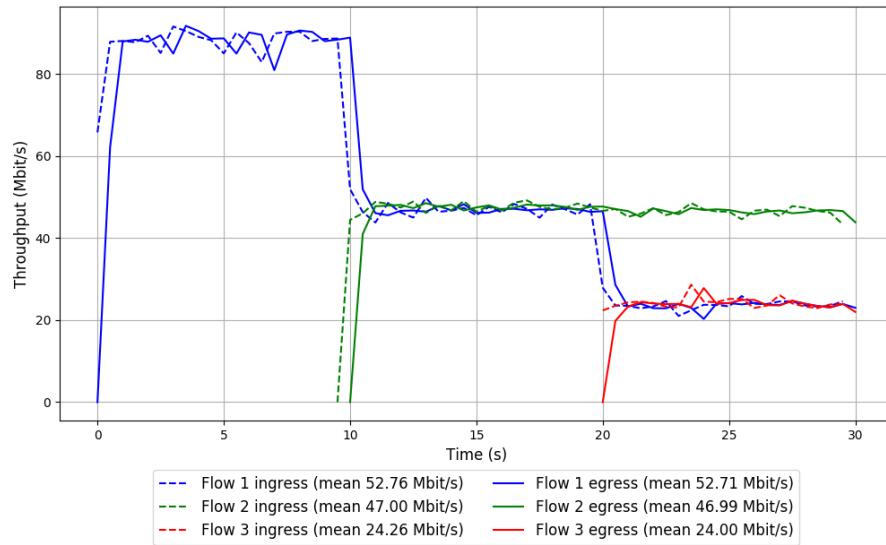


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-19 09:57:18
End at: 2018-06-19 09:57:48
Local clock offset: 1.334 ms
Remote clock offset: -3.416 ms

# Below is generated by plot.py at 2018-06-19 12:32:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 52.993 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 52.71 Mbit/s
95th percentile per-packet one-way delay: 52.545 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 46.99 Mbit/s
95th percentile per-packet one-way delay: 36.070 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 57.470 ms
Loss rate: 1.44%
```

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

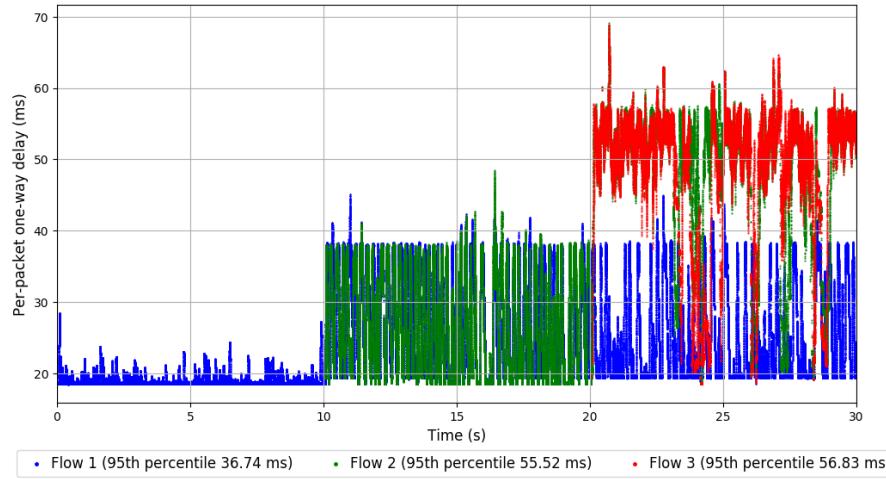
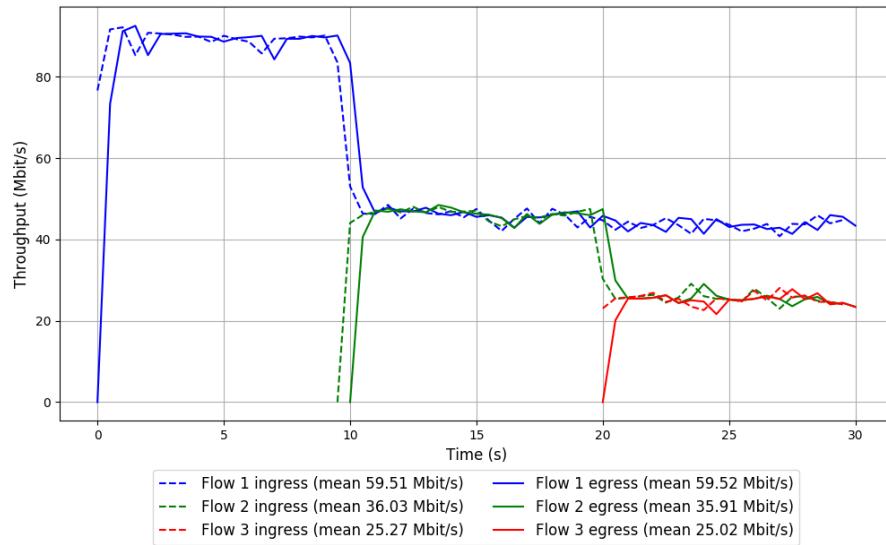


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-19 10:16:51
End at: 2018-06-19 10:17:21
Local clock offset: 0.267 ms
Remote clock offset: -2.135 ms

# Below is generated by plot.py at 2018-06-19 12:32:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 54.075 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 59.52 Mbit/s
95th percentile per-packet one-way delay: 36.741 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 35.91 Mbit/s
95th percentile per-packet one-way delay: 55.521 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 56.830 ms
Loss rate: 1.44%
```

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

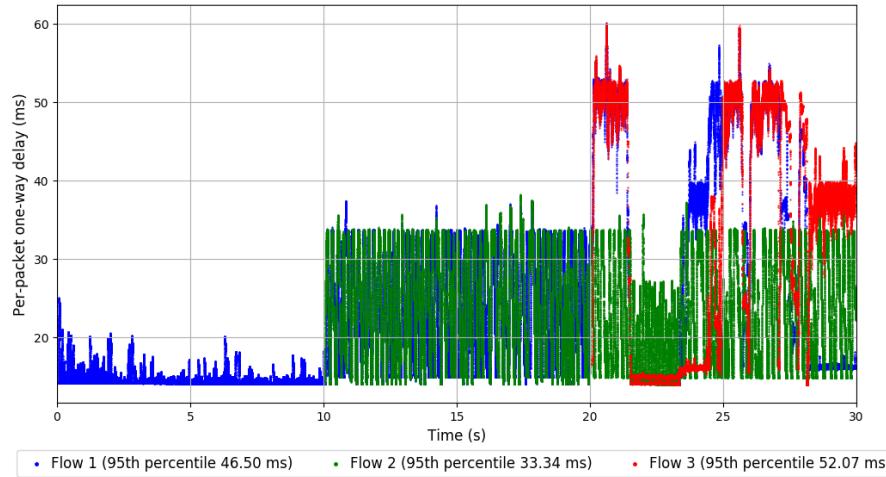
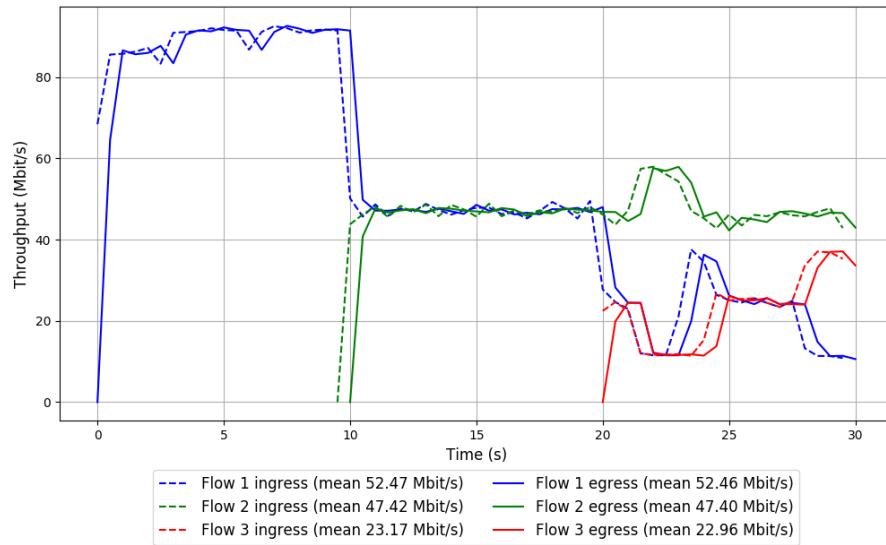


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-19 10:35:58
End at: 2018-06-19 10:36:28
Local clock offset: -2.521 ms
Remote clock offset: -6.849 ms

# Below is generated by plot.py at 2018-06-19 12:32:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.65 Mbit/s
95th percentile per-packet one-way delay: 48.012 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 52.46 Mbit/s
95th percentile per-packet one-way delay: 46.498 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 47.40 Mbit/s
95th percentile per-packet one-way delay: 33.341 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 22.96 Mbit/s
95th percentile per-packet one-way delay: 52.071 ms
Loss rate: 1.26%
```

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

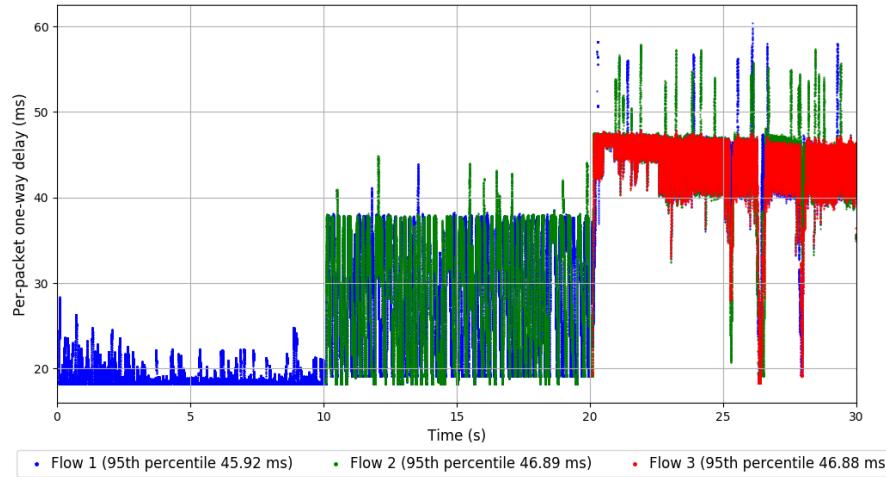
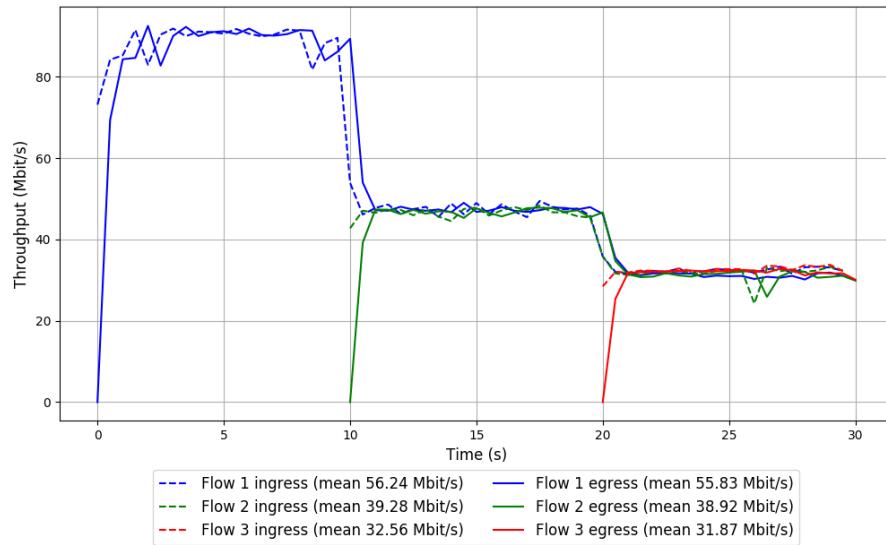


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-19 10:55:16
End at: 2018-06-19 10:55:46
Local clock offset: 2.172 ms
Remote clock offset: -7.538 ms

# Below is generated by plot.py at 2018-06-19 12:32:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.31 Mbit/s
95th percentile per-packet one-way delay: 46.594 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 55.83 Mbit/s
95th percentile per-packet one-way delay: 45.925 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 46.892 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 46.881 ms
Loss rate: 2.39%
```

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

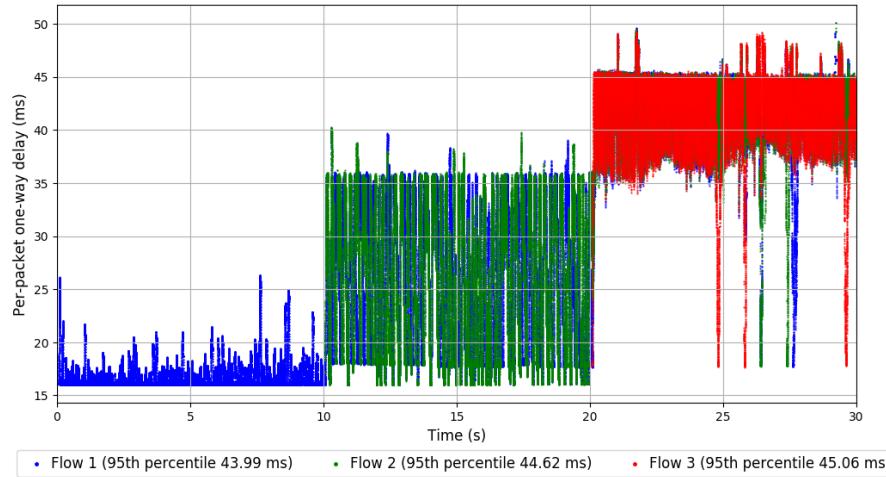
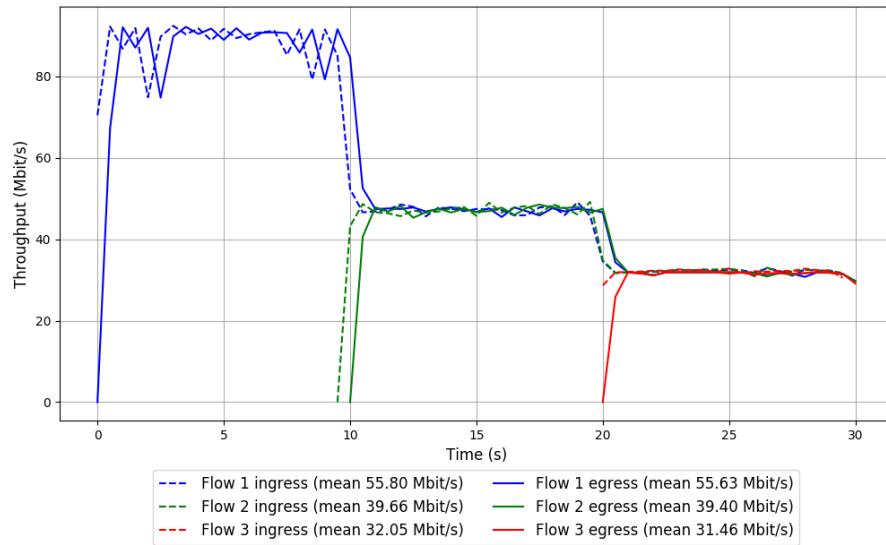


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-19 11:14:25
End at: 2018-06-19 11:14:55
Local clock offset: 0.578 ms
Remote clock offset: -4.374 ms

# Below is generated by plot.py at 2018-06-19 12:32:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 44.521 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 55.63 Mbit/s
95th percentile per-packet one-way delay: 43.989 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 44.618 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 45.065 ms
Loss rate: 2.19%
```

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

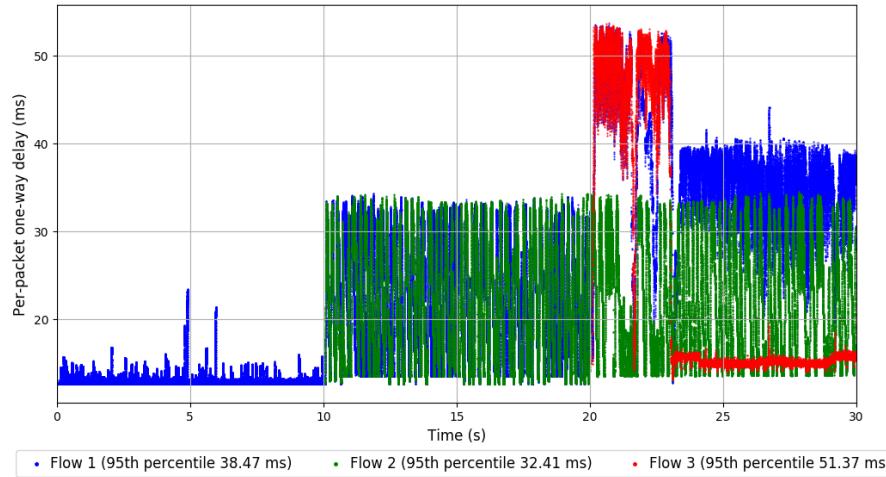
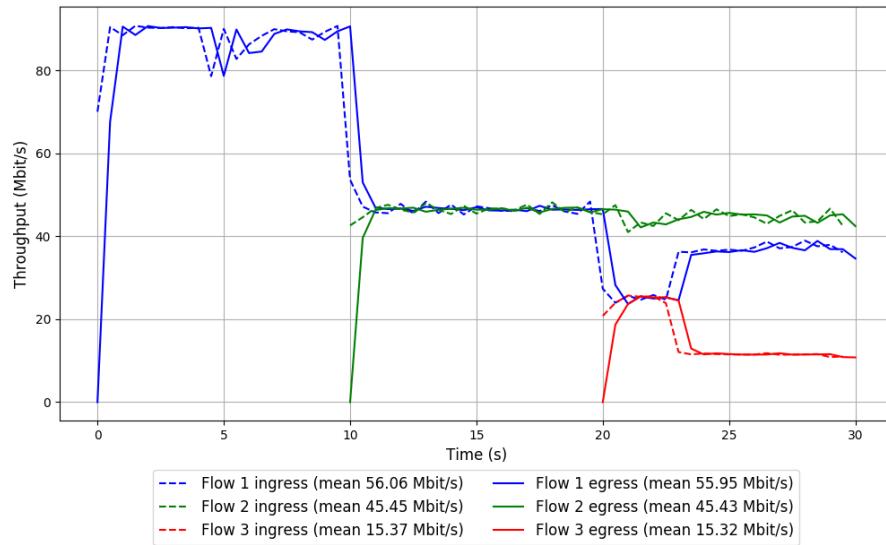


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-19 11:33:26
End at: 2018-06-19 11:33:56
Local clock offset: -1.852 ms
Remote clock offset: -2.15 ms

# Below is generated by plot.py at 2018-06-19 12:32:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: 38.985 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 55.95 Mbit/s
95th percentile per-packet one-way delay: 38.474 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 45.43 Mbit/s
95th percentile per-packet one-way delay: 32.407 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 15.32 Mbit/s
95th percentile per-packet one-way delay: 51.372 ms
Loss rate: 0.58%
```

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

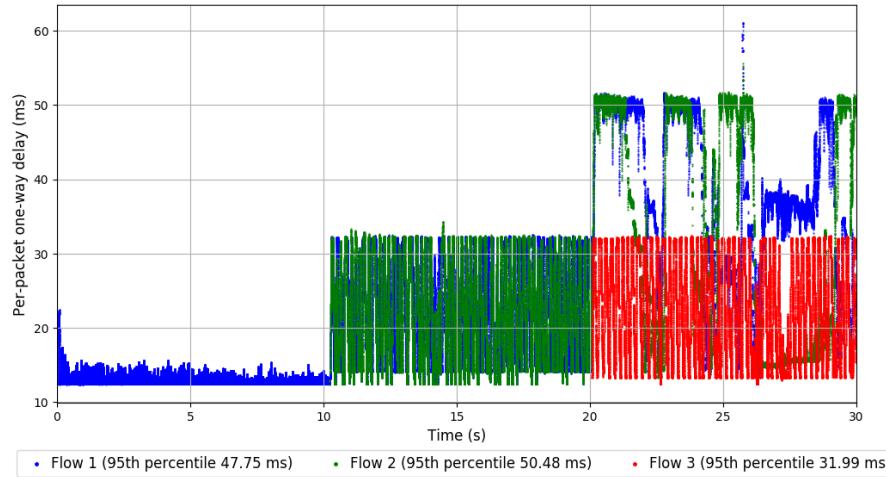
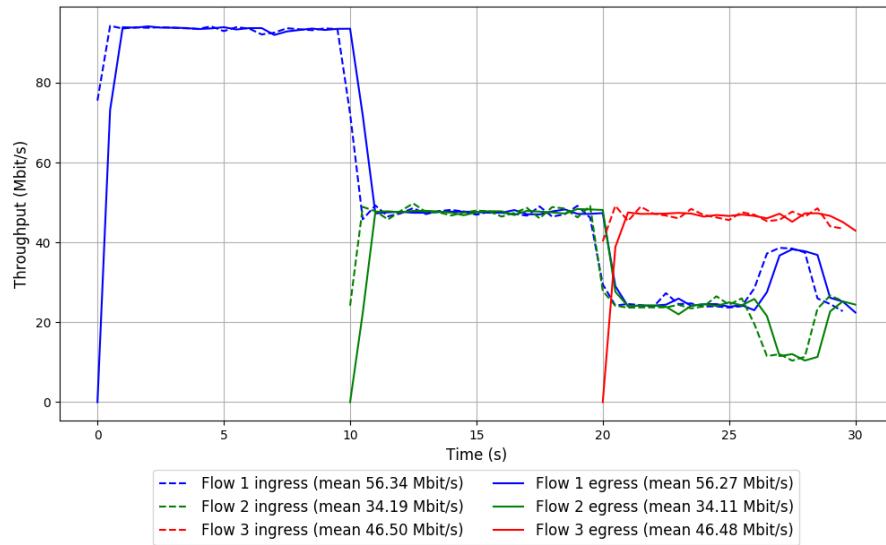


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-19 11:52:22
End at: 2018-06-19 11:52:52
Local clock offset: -1.318 ms
Remote clock offset: 1.193 ms

# Below is generated by plot.py at 2018-06-19 12:34:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 49.168 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 47.752 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 50.479 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 46.48 Mbit/s
95th percentile per-packet one-way delay: 31.986 ms
Loss rate: 0.29%
```

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

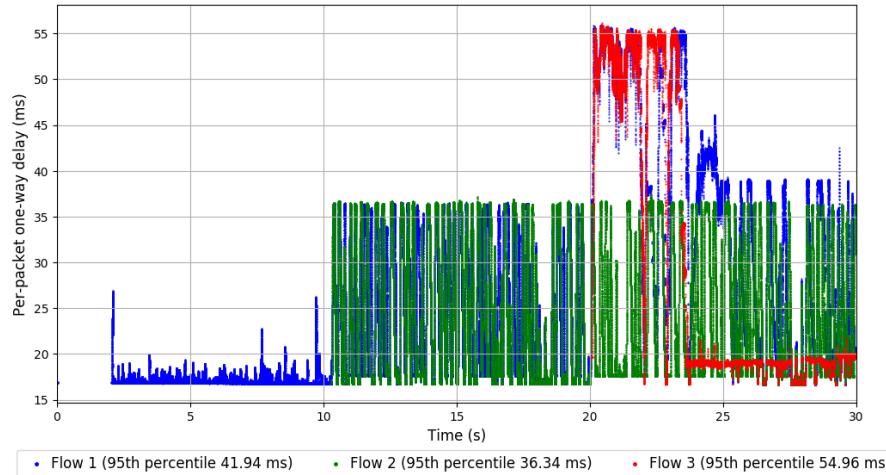
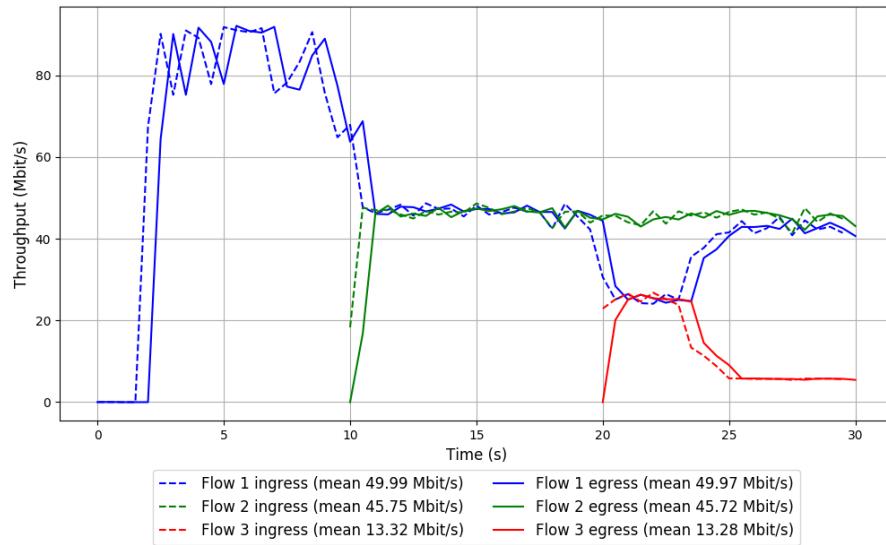


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-19 12:11:52
End at: 2018-06-19 12:12:22
Local clock offset: -0.493 ms
Remote clock offset: -5.652 ms

# Below is generated by plot.py at 2018-06-19 12:34:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 48.399 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 49.97 Mbit/s
95th percentile per-packet one-way delay: 41.937 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 45.72 Mbit/s
95th percentile per-packet one-way delay: 36.335 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 13.28 Mbit/s
95th percentile per-packet one-way delay: 54.959 ms
Loss rate: 0.68%
```

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

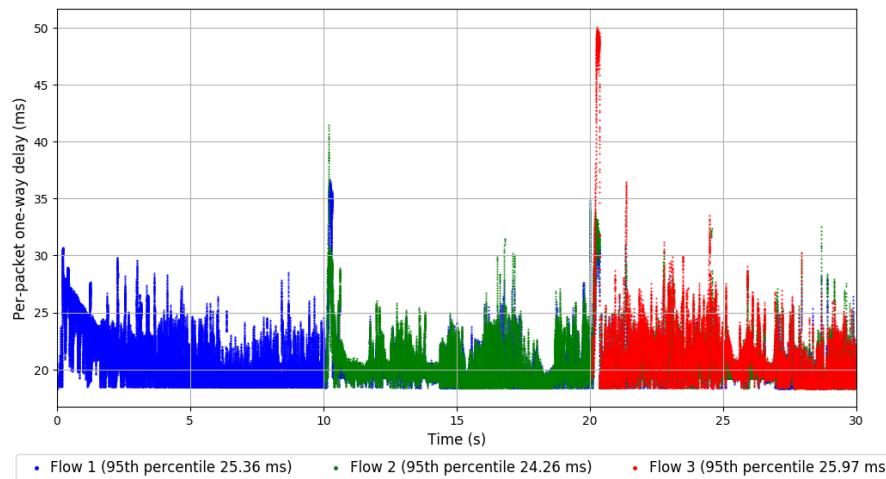
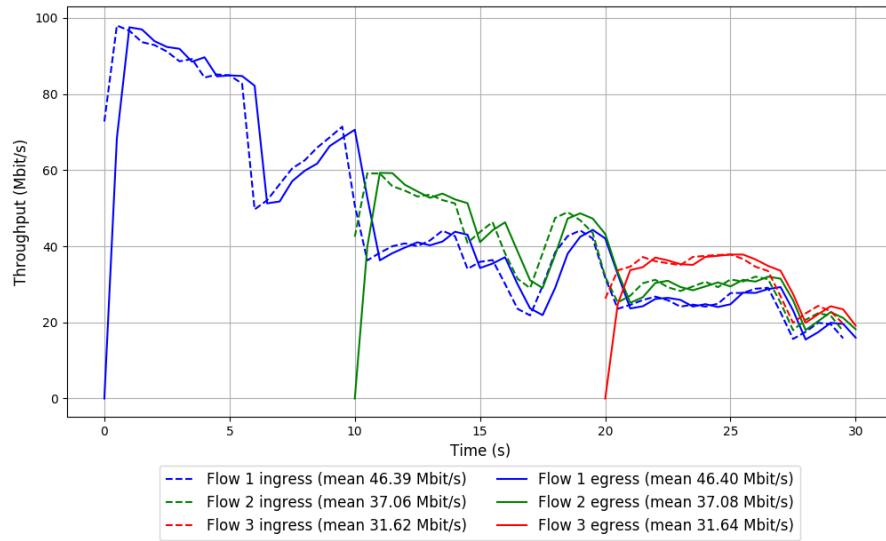


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-19 09:17:00
End at: 2018-06-19 09:17:30
Local clock offset: 1.904 ms
Remote clock offset: -3.428 ms

# Below is generated by plot.py at 2018-06-19 12:34:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.58 Mbit/s
95th percentile per-packet one-way delay: 25.205 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 46.40 Mbit/s
95th percentile per-packet one-way delay: 25.360 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.08 Mbit/s
95th percentile per-packet one-way delay: 24.256 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 25.970 ms
Loss rate: 0.17%
```

Run 1: Report of TCP Vegas — Data Link

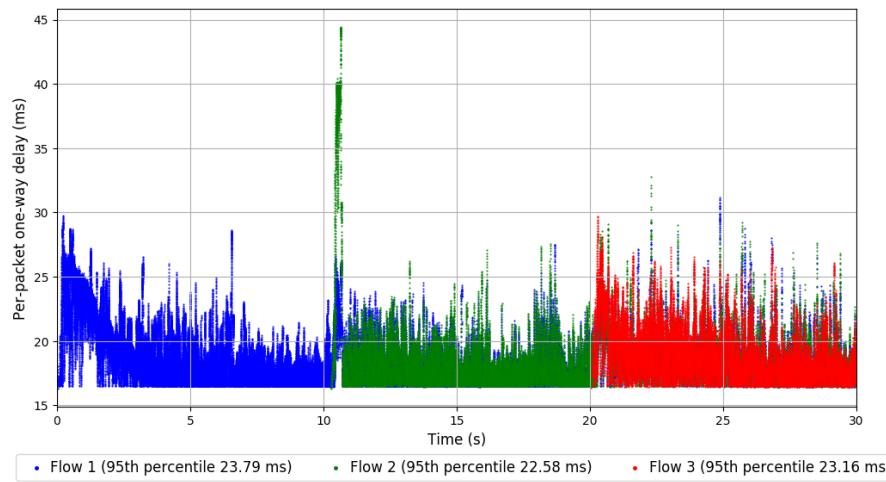
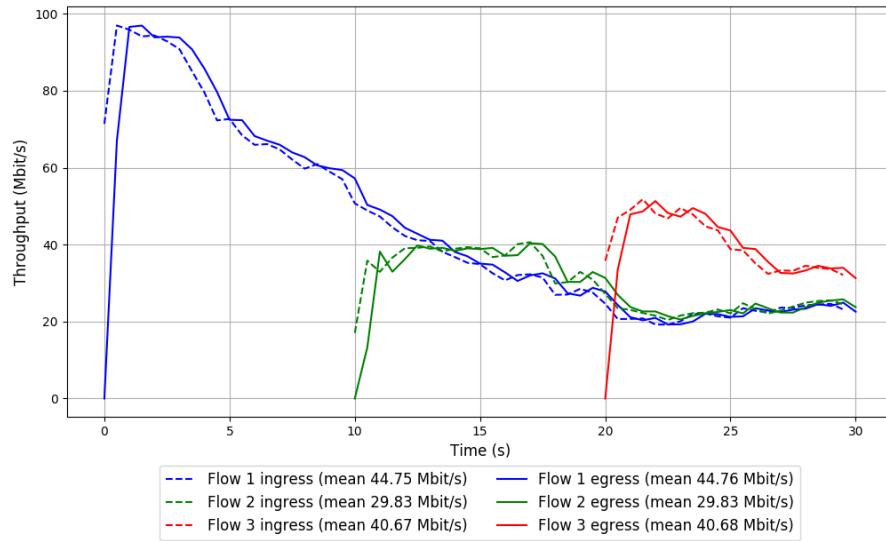


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-19 09:35:52
End at: 2018-06-19 09:36:22
Local clock offset: 1.599 ms
Remote clock offset: -4.822 ms

# Below is generated by plot.py at 2018-06-19 12:34:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.88 Mbit/s
95th percentile per-packet one-way delay: 23.497 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 44.76 Mbit/s
95th percentile per-packet one-way delay: 23.791 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 22.584 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 40.68 Mbit/s
95th percentile per-packet one-way delay: 23.155 ms
Loss rate: 0.23%
```

Run 2: Report of TCP Vegas — Data Link

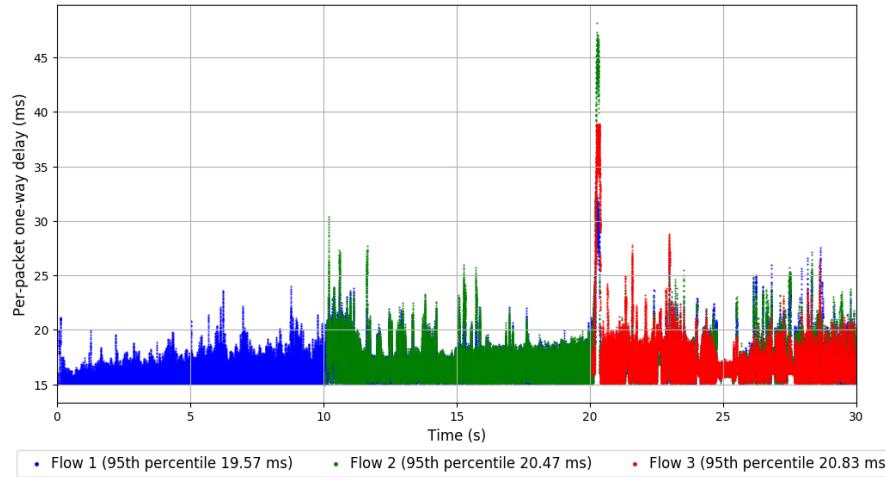
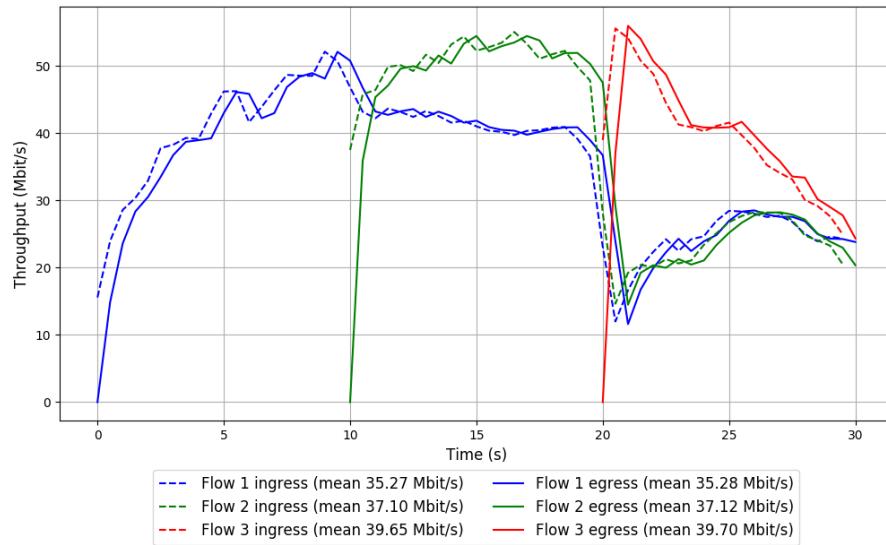


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-19 09:54:59
End at: 2018-06-19 09:55:29
Local clock offset: -1.843 ms
Remote clock offset: -3.375 ms

# Below is generated by plot.py at 2018-06-19 12:34:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.15 Mbit/s
95th percentile per-packet one-way delay: 20.042 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 19.566 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 37.12 Mbit/s
95th percentile per-packet one-way delay: 20.471 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: 20.831 ms
Loss rate: 0.20%
```

Run 3: Report of TCP Vegas — Data Link

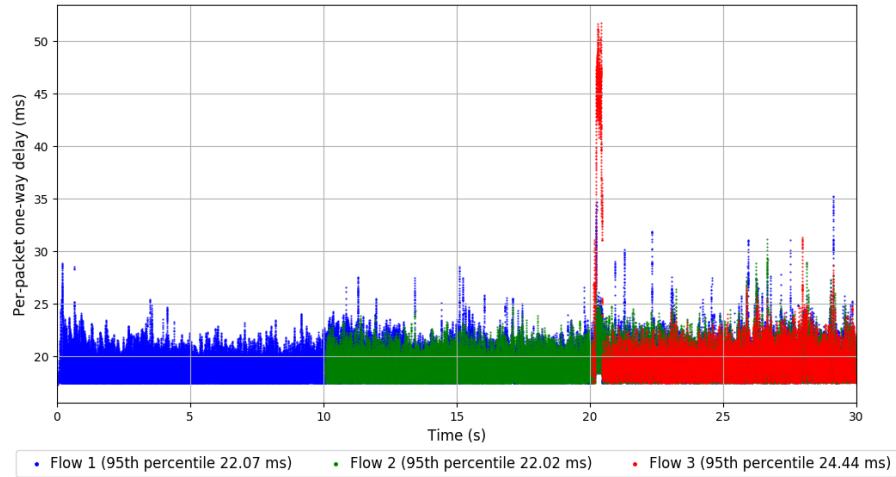
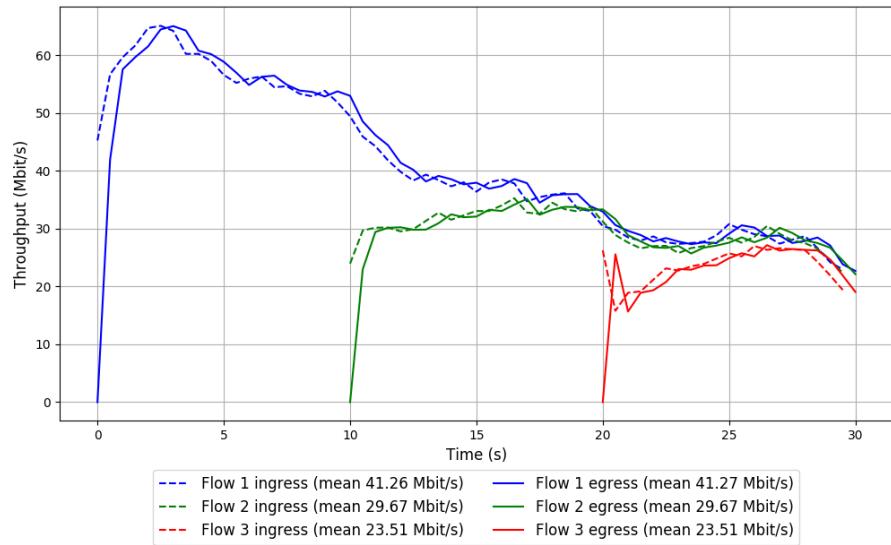


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-19 10:14:35
End at: 2018-06-19 10:15:05
Local clock offset: -1.687 ms
Remote clock offset: -3.197 ms

# Below is generated by plot.py at 2018-06-19 12:34:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.83 Mbit/s
95th percentile per-packet one-way delay: 22.164 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 41.27 Mbit/s
95th percentile per-packet one-way delay: 22.065 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 22.023 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 24.443 ms
Loss rate: 0.26%
```

Run 4: Report of TCP Vegas — Data Link

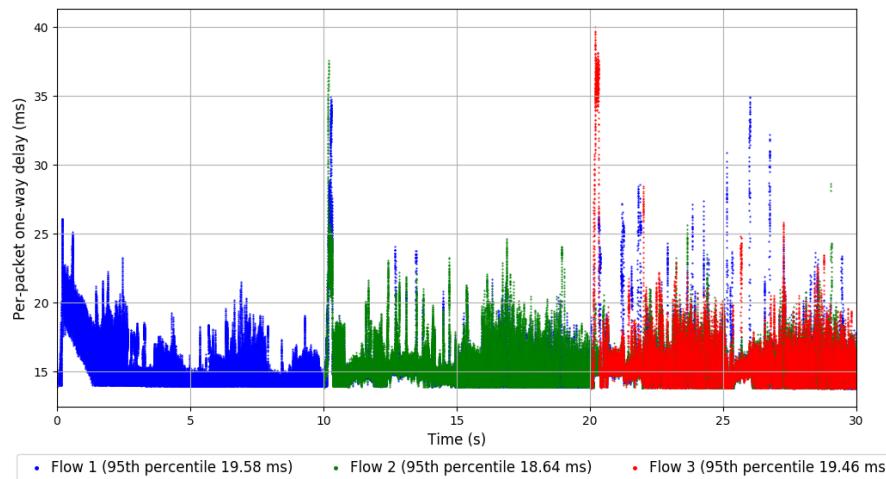
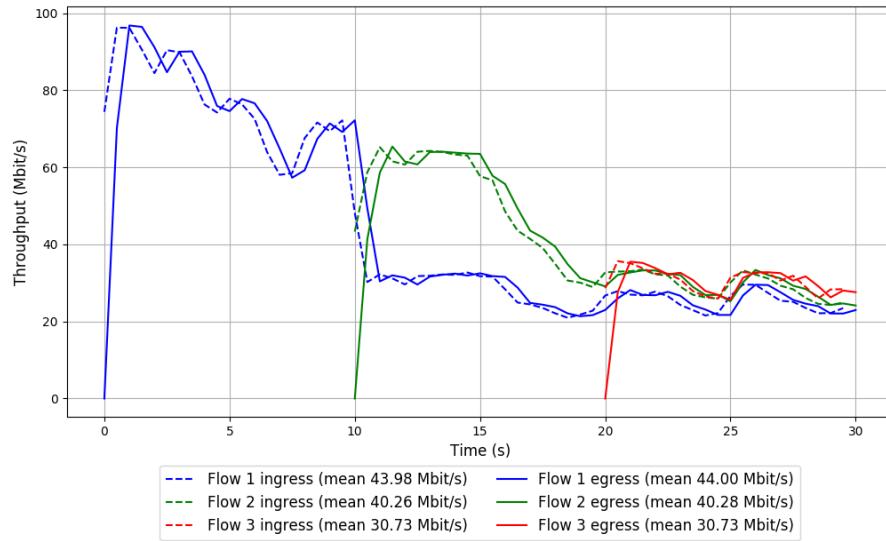


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-19 10:33:40
End at: 2018-06-19 10:34:10
Local clock offset: -2.814 ms
Remote clock offset: -5.953 ms

# Below is generated by plot.py at 2018-06-19 12:34:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.02 Mbit/s
95th percentile per-packet one-way delay: 19.287 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 44.00 Mbit/s
95th percentile per-packet one-way delay: 19.577 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 18.644 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 19.458 ms
Loss rate: 0.27%
```

Run 5: Report of TCP Vegas — Data Link

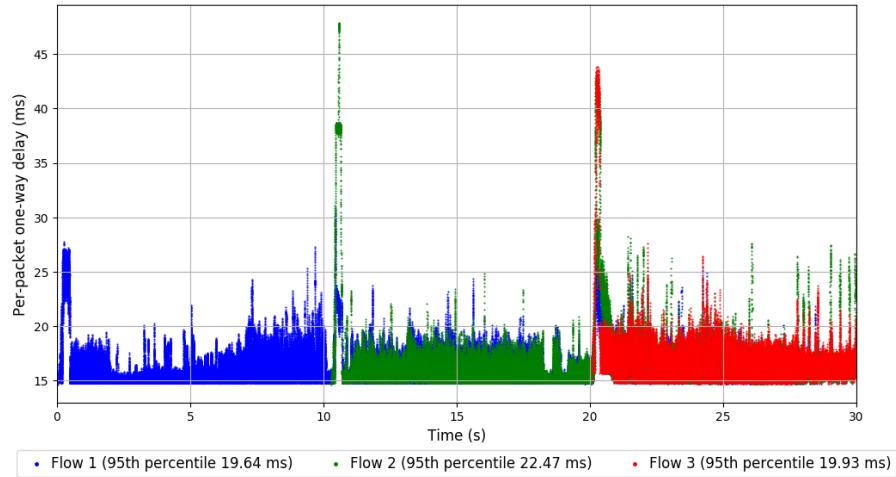
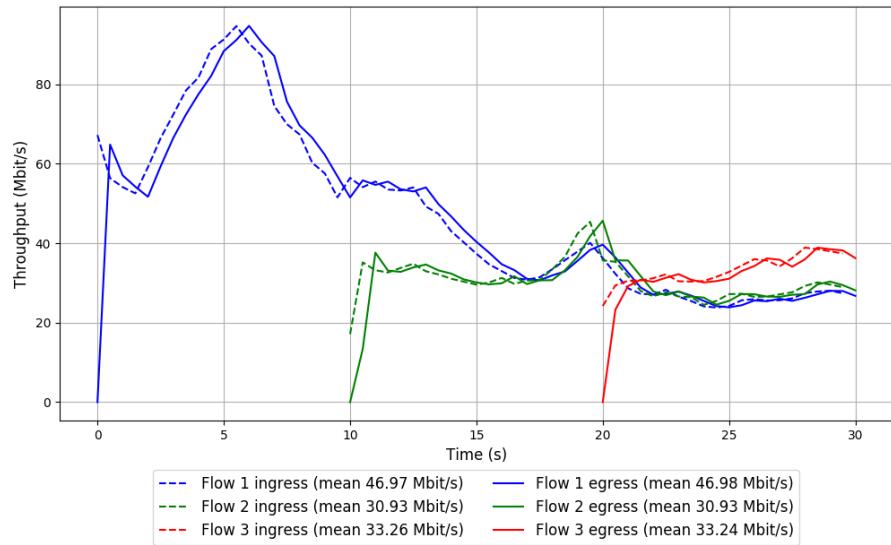


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-19 10:52:57
End at: 2018-06-19 10:53:27
Local clock offset: 0.314 ms
Remote clock offset: -6.132 ms

# Below is generated by plot.py at 2018-06-19 12:34:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.35 Mbit/s
95th percentile per-packet one-way delay: 20.218 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 46.98 Mbit/s
95th percentile per-packet one-way delay: 19.642 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 22.471 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 33.24 Mbit/s
95th percentile per-packet one-way delay: 19.927 ms
Loss rate: 0.33%
```

Run 6: Report of TCP Vegas — Data Link

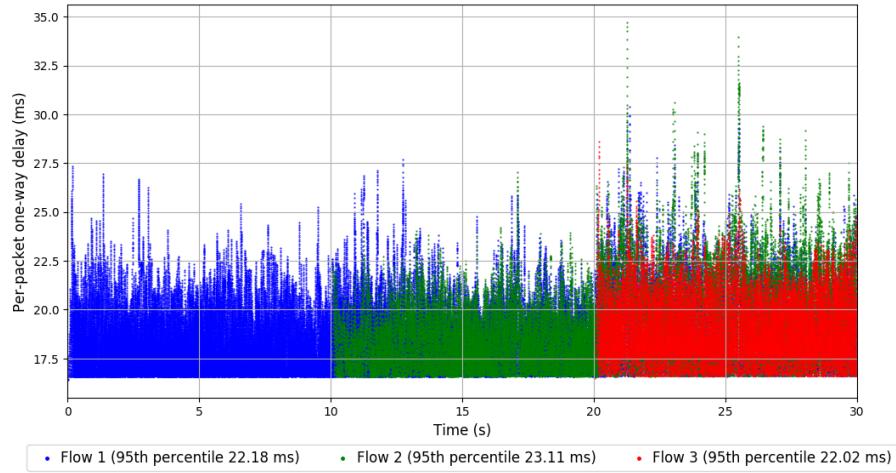
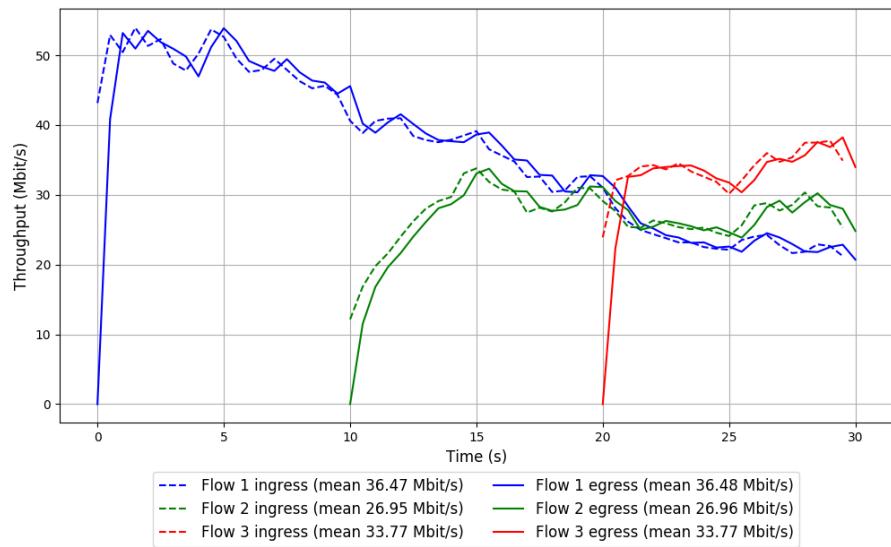


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-19 11:12:08
End at: 2018-06-19 11:12:38
Local clock offset: 0.685 ms
Remote clock offset: -4.955 ms

# Below is generated by plot.py at 2018-06-19 12:34:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.62 Mbit/s
95th percentile per-packet one-way delay: 22.449 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 36.48 Mbit/s
95th percentile per-packet one-way delay: 22.182 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 23.111 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 33.77 Mbit/s
95th percentile per-packet one-way delay: 22.017 ms
Loss rate: 0.34%
```

Run 7: Report of TCP Vegas — Data Link

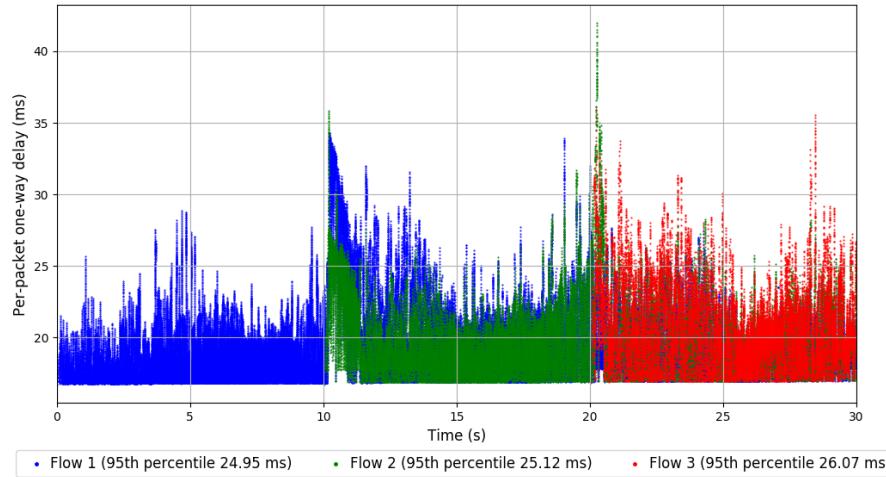
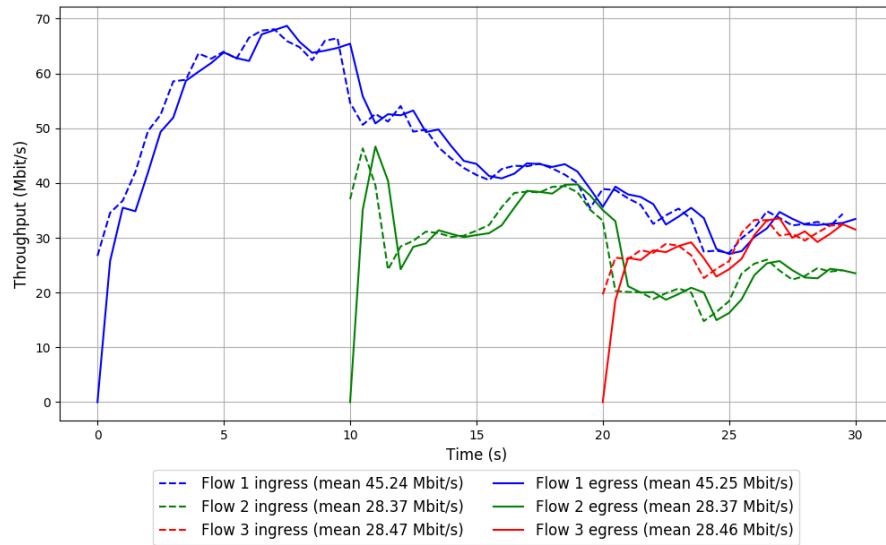


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-19 11:31:08
End at: 2018-06-19 11:31:38
Local clock offset: 1.282 ms
Remote clock offset: -2.408 ms

# Below is generated by plot.py at 2018-06-19 12:34:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.57 Mbit/s
95th percentile per-packet one-way delay: 25.216 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 45.25 Mbit/s
95th percentile per-packet one-way delay: 24.947 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 28.37 Mbit/s
95th percentile per-packet one-way delay: 25.116 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.46 Mbit/s
95th percentile per-packet one-way delay: 26.075 ms
Loss rate: 0.37%
```

Run 8: Report of TCP Vegas — Data Link

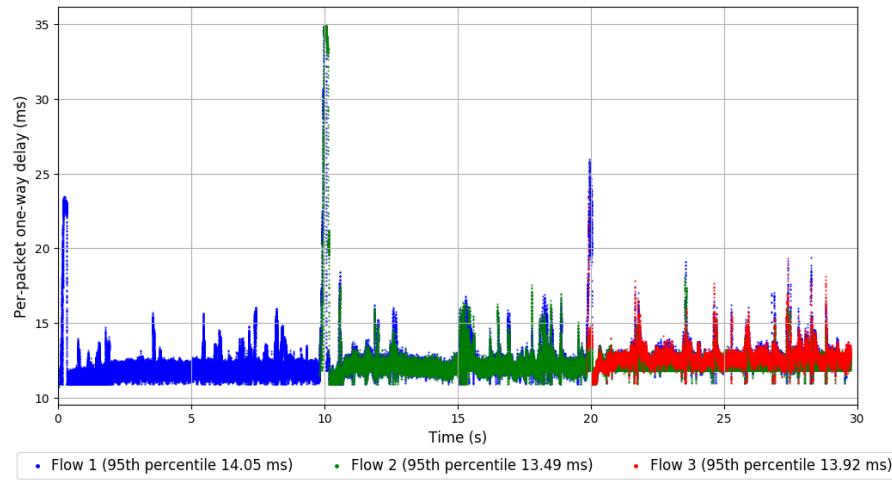
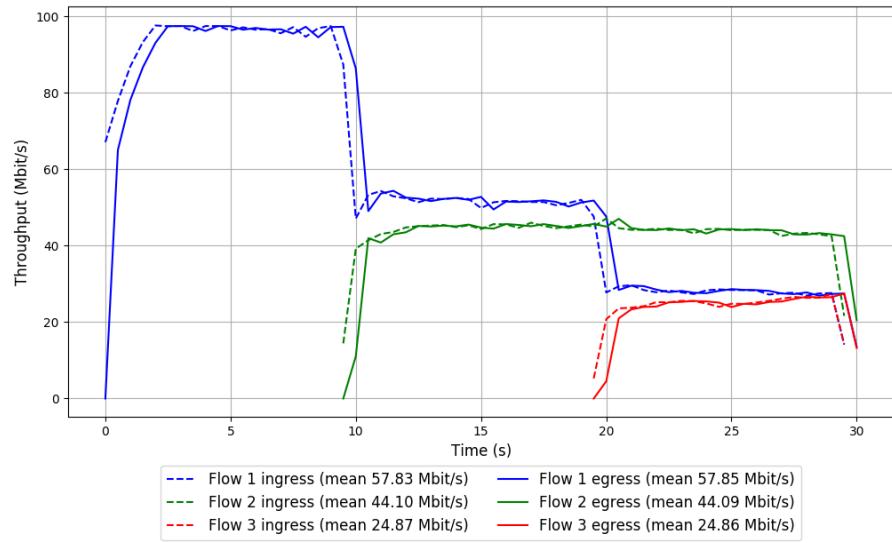


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-19 11:50:02
End at: 2018-06-19 11:50:32
Local clock offset: -1.236 ms
Remote clock offset: 2.524 ms

# Below is generated by plot.py at 2018-06-19 12:34:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 13.892 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 57.85 Mbit/s
95th percentile per-packet one-way delay: 14.048 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 44.09 Mbit/s
95th percentile per-packet one-way delay: 13.490 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 13.920 ms
Loss rate: 0.29%
```

Run 9: Report of TCP Vegas — Data Link

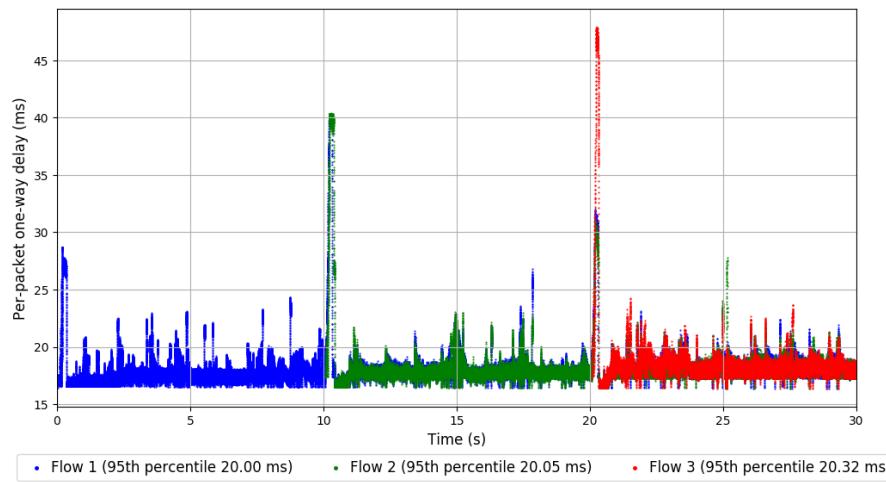
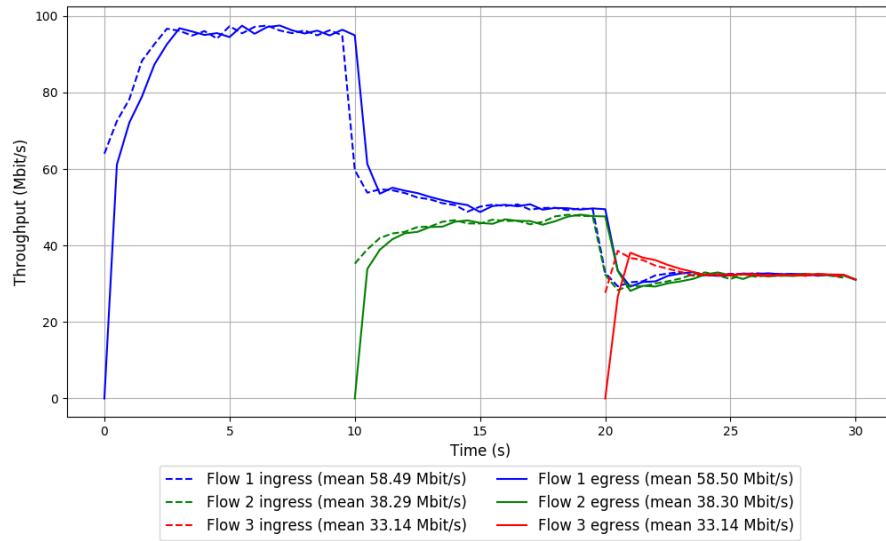


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-19 12:09:24
End at: 2018-06-19 12:09:54
Local clock offset: -0.486 ms
Remote clock offset: -4.435 ms

# Below is generated by plot.py at 2018-06-19 12:34:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 20.052 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.50 Mbit/s
95th percentile per-packet one-way delay: 19.998 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.30 Mbit/s
95th percentile per-packet one-way delay: 20.049 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 33.14 Mbit/s
95th percentile per-packet one-way delay: 20.325 ms
Loss rate: 0.27%
```

Run 10: Report of TCP Vegas — Data Link

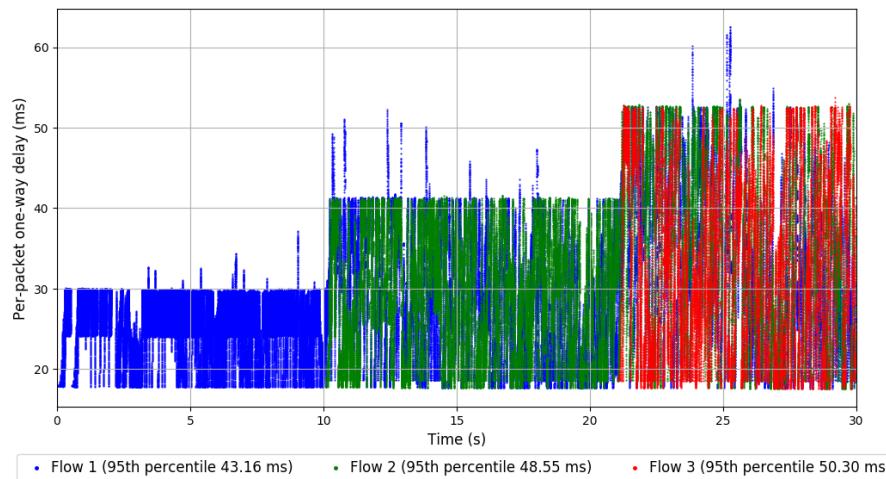
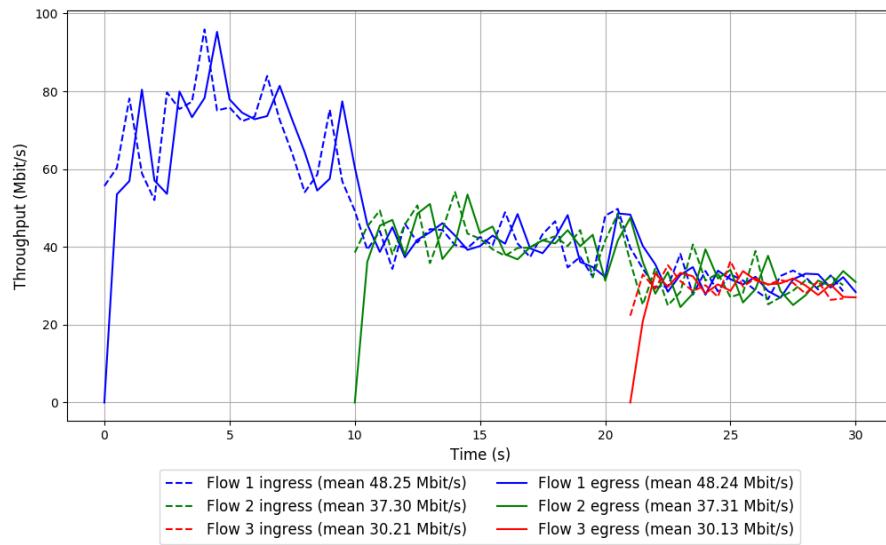


Run 1: Statistics of Verus

```
Start at: 2018-06-19 09:13:23
End at: 2018-06-19 09:13:53
Local clock offset: -0.659 ms
Remote clock offset: -2.279 ms

# Below is generated by plot.py at 2018-06-19 12:34:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.04 Mbit/s
95th percentile per-packet one-way delay: 47.304 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 48.24 Mbit/s
95th percentile per-packet one-way delay: 43.156 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 37.31 Mbit/s
95th percentile per-packet one-way delay: 48.550 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.13 Mbit/s
95th percentile per-packet one-way delay: 50.297 ms
Loss rate: 0.53%
```

Run 1: Report of Verus — Data Link

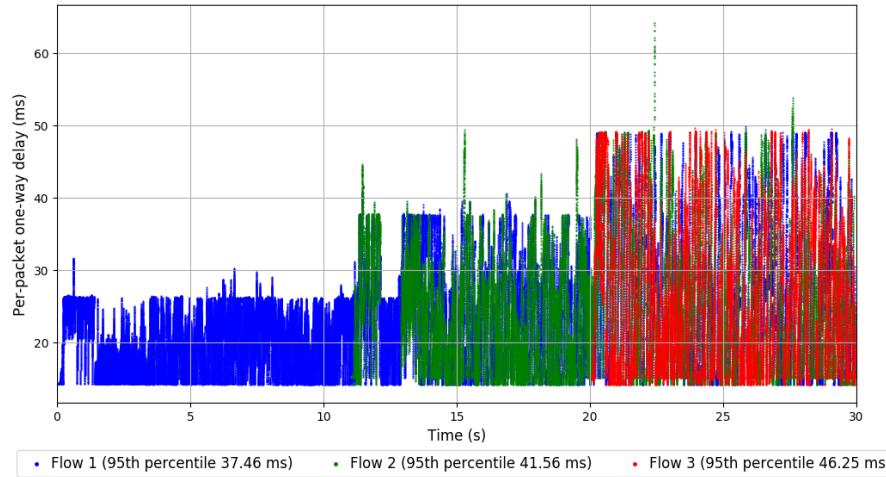
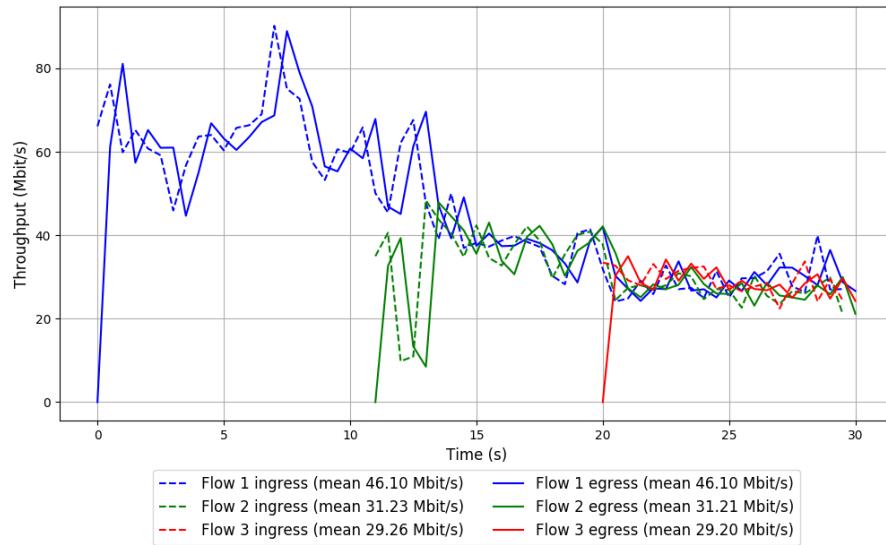


Run 2: Statistics of Verus

```
Start at: 2018-06-19 09:32:11
End at: 2018-06-19 09:32:41
Local clock offset: -0.973 ms
Remote clock offset: -4.841 ms

# Below is generated by plot.py at 2018-06-19 12:34:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.52 Mbit/s
95th percentile per-packet one-way delay: 41.110 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 46.10 Mbit/s
95th percentile per-packet one-way delay: 37.460 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 31.21 Mbit/s
95th percentile per-packet one-way delay: 41.557 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 29.20 Mbit/s
95th percentile per-packet one-way delay: 46.246 ms
Loss rate: 0.43%
```

Run 2: Report of Verus — Data Link

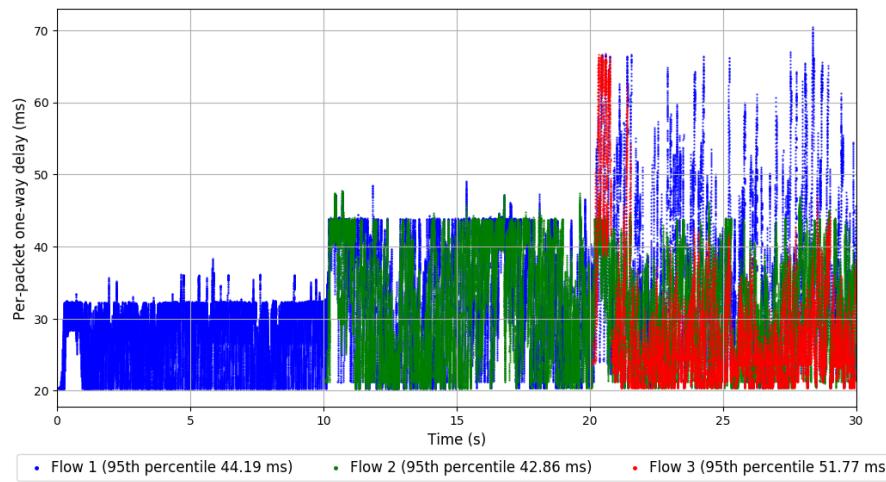
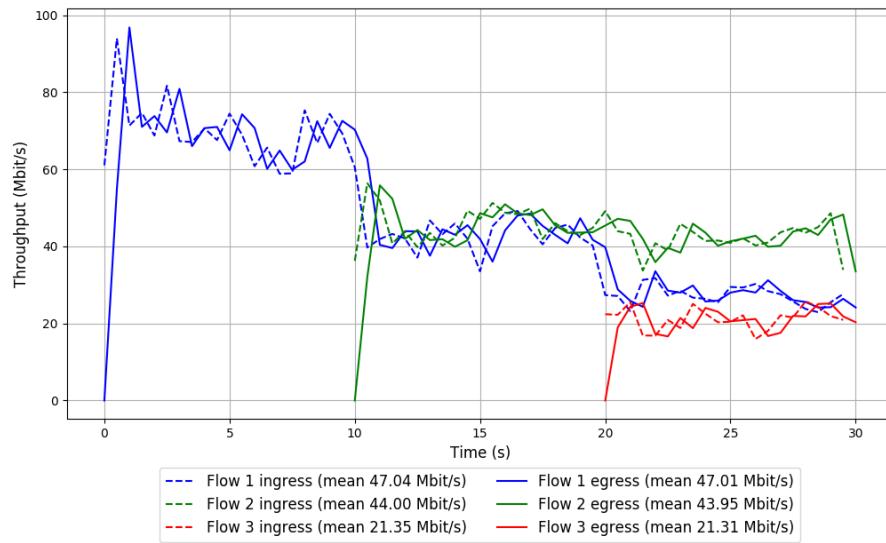


Run 3: Statistics of Verus

```
Start at: 2018-06-19 09:51:14
End at: 2018-06-19 09:51:44
Local clock offset: 2.574 ms
Remote clock offset: -4.894 ms

# Below is generated by plot.py at 2018-06-19 12:35:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 43.465 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 44.190 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 43.95 Mbit/s
95th percentile per-packet one-way delay: 42.859 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 21.31 Mbit/s
95th percentile per-packet one-way delay: 51.771 ms
Loss rate: 0.45%
```

Run 3: Report of Verus — Data Link

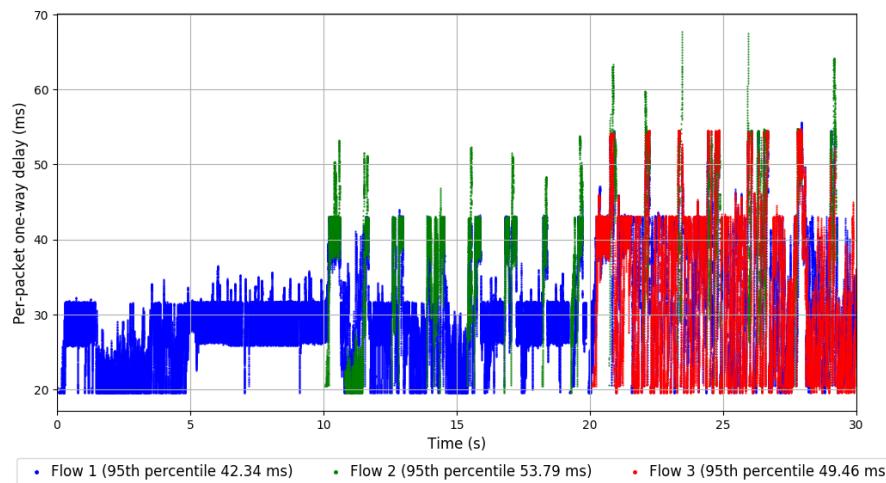
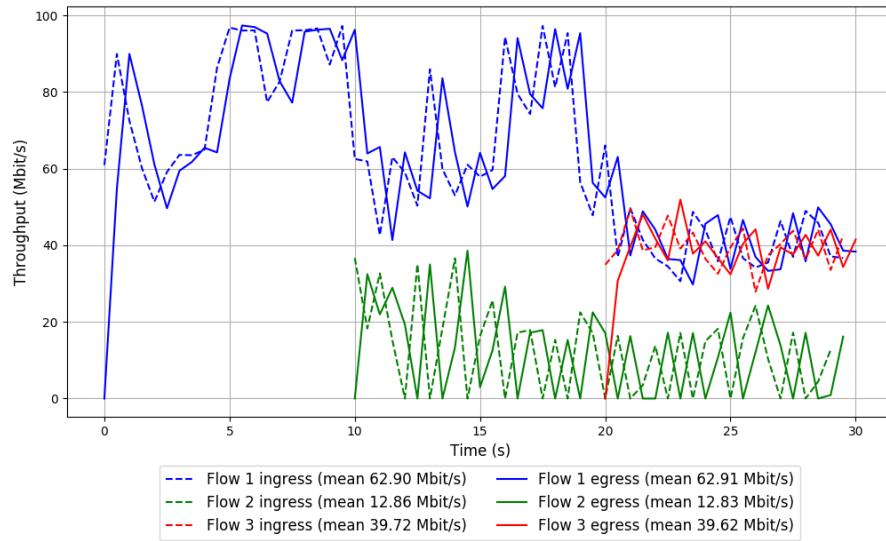


Run 4: Statistics of Verus

```
Start at: 2018-06-19 10:10:47
End at: 2018-06-19 10:11:17
Local clock offset: 0.454 ms
Remote clock offset: -3.55 ms

# Below is generated by plot.py at 2018-06-19 12:35:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.26 Mbit/s
95th percentile per-packet one-way delay: 44.525 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 42.341 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 53.789 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 49.456 ms
Loss rate: 0.51%
```

Run 4: Report of Verus — Data Link

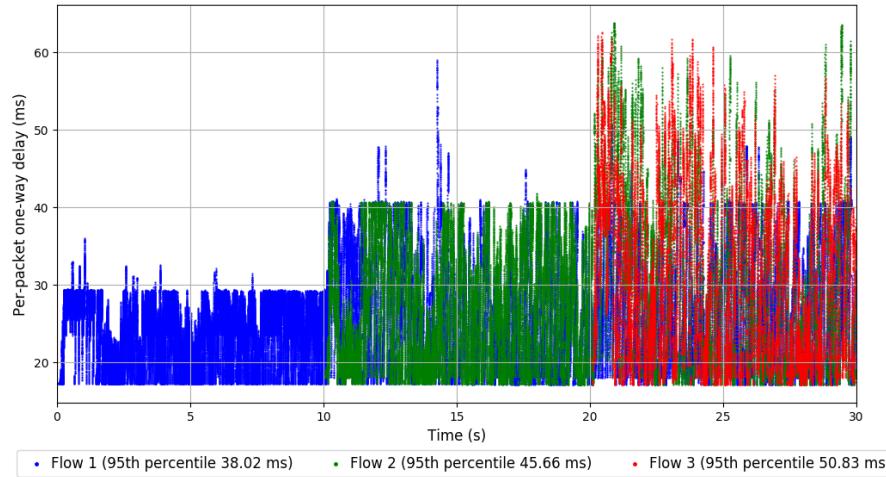
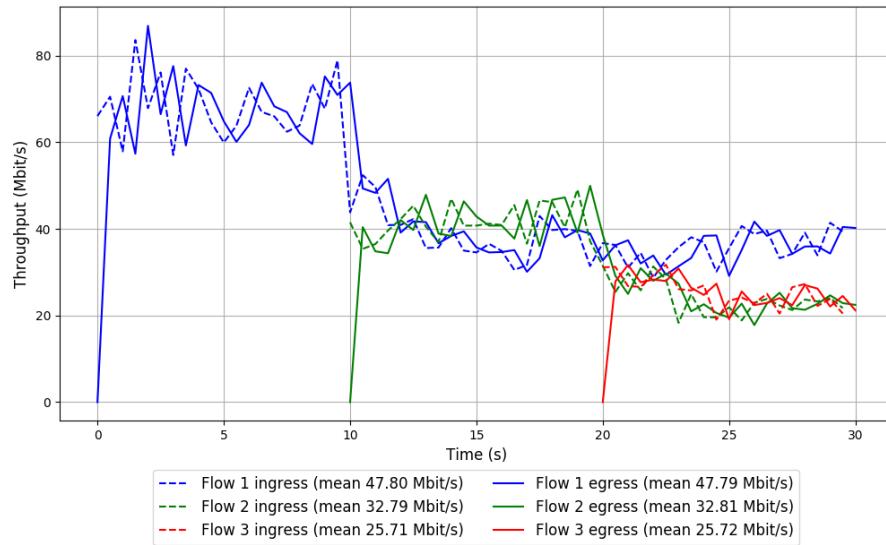


Run 5: Statistics of Verus

```
Start at: 2018-06-19 10:30:02
End at: 2018-06-19 10:30:32
Local clock offset: -1.35 ms
Remote clock offset: -7.168 ms

# Below is generated by plot.py at 2018-06-19 12:35:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.15 Mbit/s
95th percentile per-packet one-way delay: 41.277 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 47.79 Mbit/s
95th percentile per-packet one-way delay: 38.017 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 32.81 Mbit/s
95th percentile per-packet one-way delay: 45.662 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 50.834 ms
Loss rate: 0.10%
```

Run 5: Report of Verus — Data Link

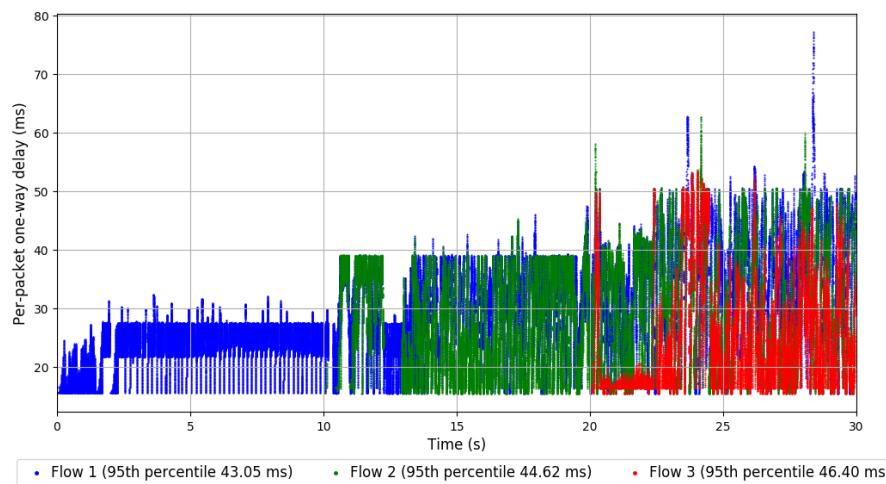
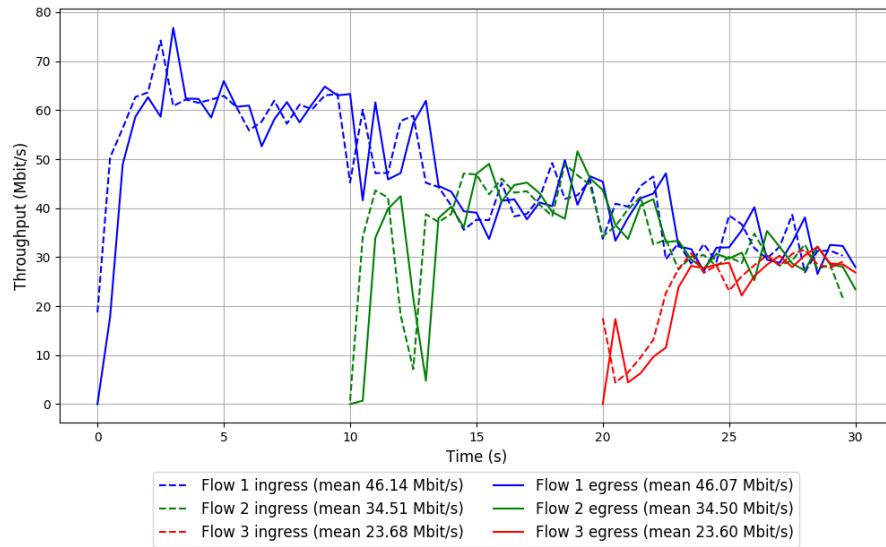


Run 6: Statistics of Verus

```
Start at: 2018-06-19 10:49:19
End at: 2018-06-19 10:49:49
Local clock offset: -0.235 ms
Remote clock offset: -6.89 ms

# Below is generated by plot.py at 2018-06-19 12:35:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.85 Mbit/s
95th percentile per-packet one-way delay: 44.015 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 46.07 Mbit/s
95th percentile per-packet one-way delay: 43.048 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 34.50 Mbit/s
95th percentile per-packet one-way delay: 44.625 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 23.60 Mbit/s
95th percentile per-packet one-way delay: 46.398 ms
Loss rate: 0.64%
```

Run 6: Report of Verus — Data Link

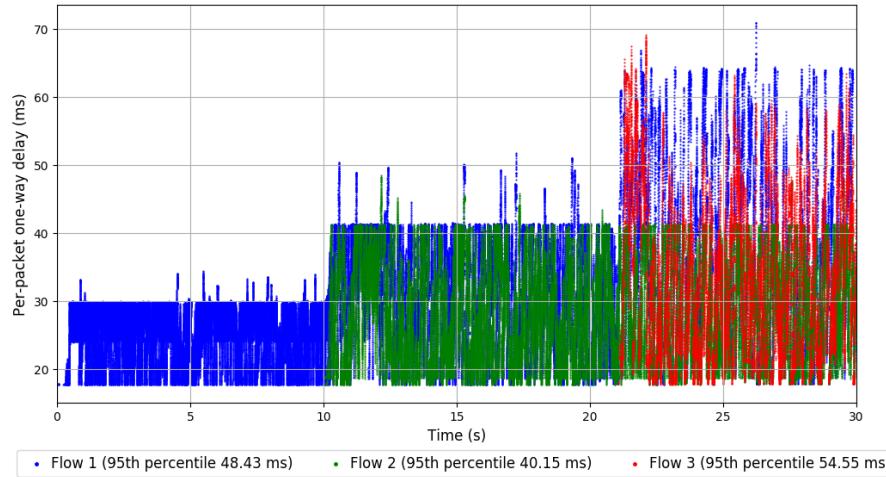
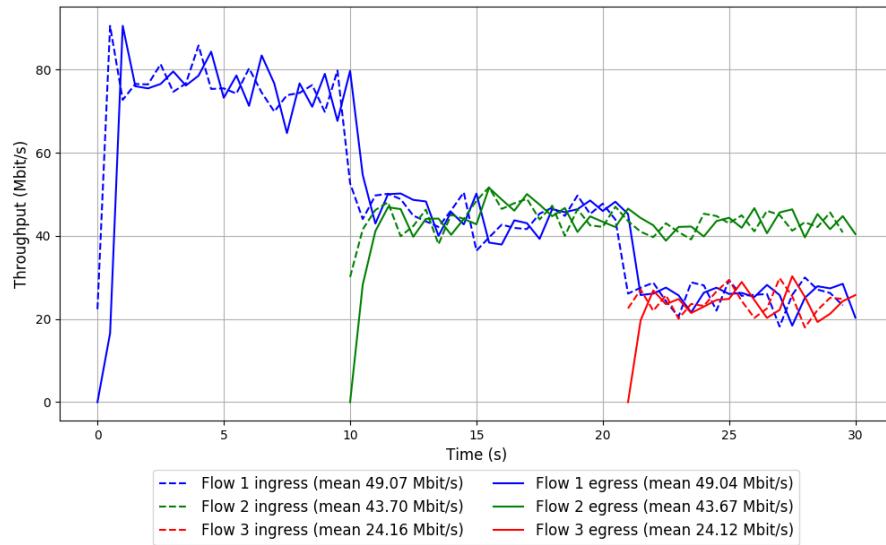


Run 7: Statistics of Verus

```
Start at: 2018-06-19 11:08:18
End at: 2018-06-19 11:08:48
Local clock offset: 2.52 ms
Remote clock offset: -4.771 ms

# Below is generated by plot.py at 2018-06-19 12:35:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.30 Mbit/s
95th percentile per-packet one-way delay: 46.078 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 48.434 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 43.67 Mbit/s
95th percentile per-packet one-way delay: 40.148 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: 54.547 ms
Loss rate: 0.42%
```

Run 7: Report of Verus — Data Link

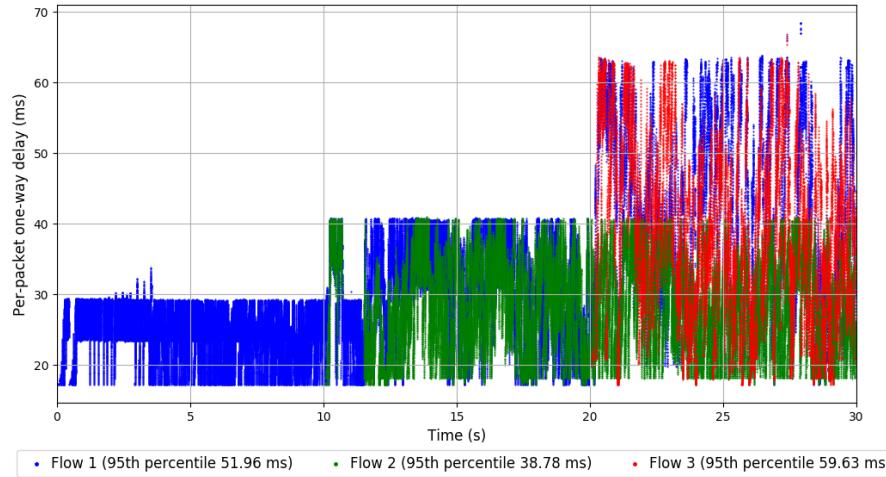
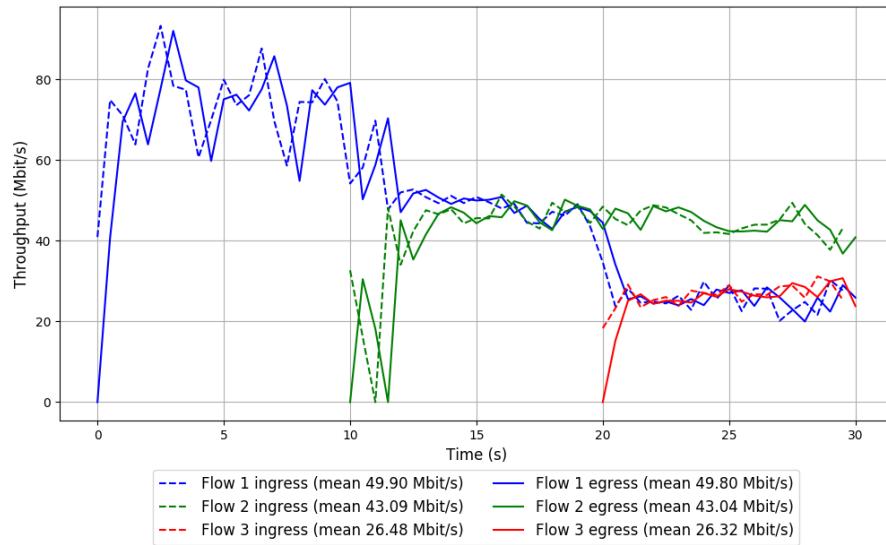


Run 8: Statistics of Verus

```
Start at: 2018-06-19 11:27:25
End at: 2018-06-19 11:27:55
Local clock offset: 2.023 ms
Remote clock offset: -3.492 ms

# Below is generated by plot.py at 2018-06-19 12:35:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.17 Mbit/s
95th percentile per-packet one-way delay: 50.789 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 49.80 Mbit/s
95th percentile per-packet one-way delay: 51.961 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 43.04 Mbit/s
95th percentile per-packet one-way delay: 38.780 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 26.32 Mbit/s
95th percentile per-packet one-way delay: 59.632 ms
Loss rate: 1.11%
```

Run 8: Report of Verus — Data Link

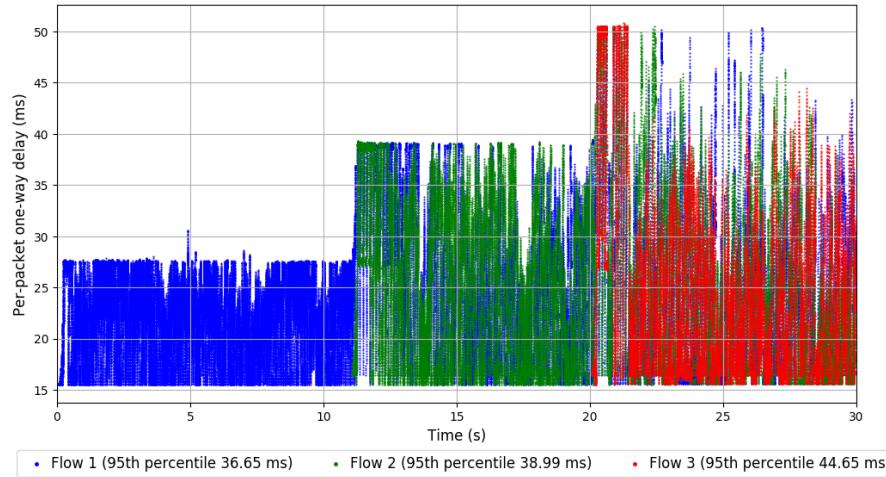
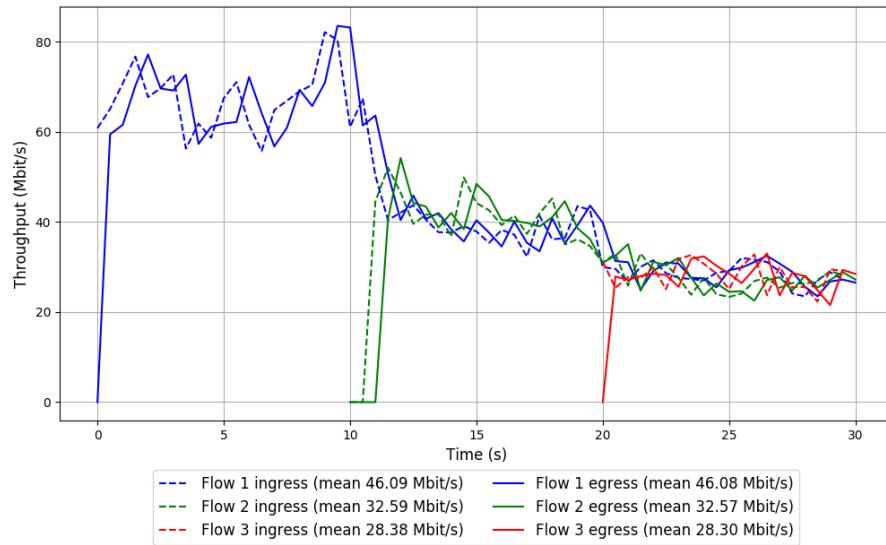


Run 9: Statistics of Verus

```
Start at: 2018-06-19 11:46:26
End at: 2018-06-19 11:46:56
Local clock offset: 2.877 ms
Remote clock offset: 1.589 ms

# Below is generated by plot.py at 2018-06-19 12:35:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.14 Mbit/s
95th percentile per-packet one-way delay: 38.691 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 46.08 Mbit/s
95th percentile per-packet one-way delay: 36.647 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 38.992 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 28.30 Mbit/s
95th percentile per-packet one-way delay: 44.651 ms
Loss rate: 0.44%
```

Run 9: Report of Verus — Data Link

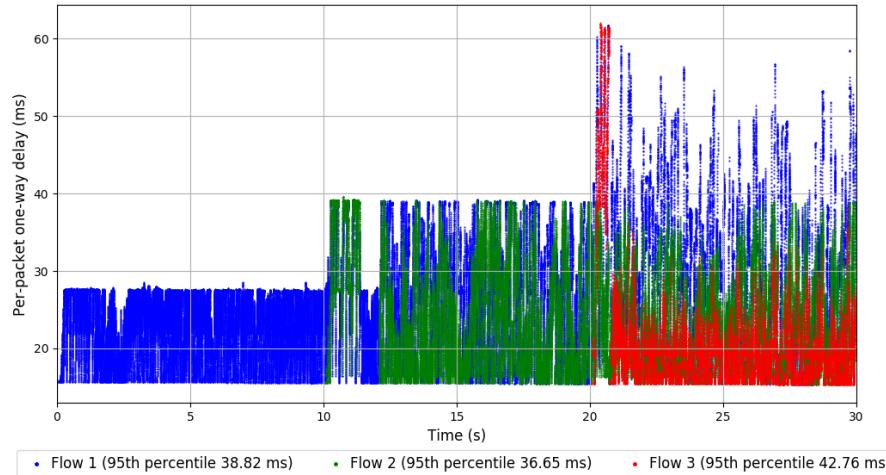
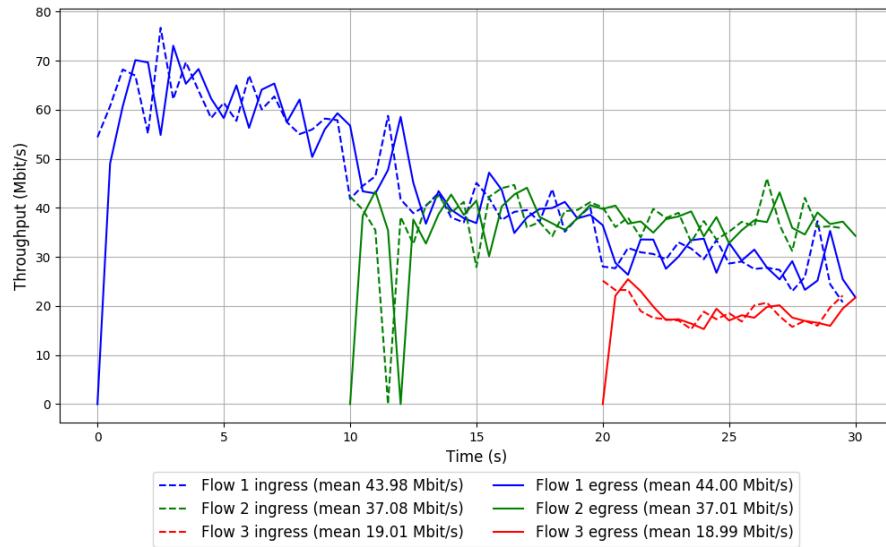


Run 10: Statistics of Verus

```
Start at: 2018-06-19 12:05:33
End at: 2018-06-19 12:06:03
Local clock offset: 0.434 ms
Remote clock offset: -0.434 ms

# Below is generated by plot.py at 2018-06-19 12:35:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.93 Mbit/s
95th percentile per-packet one-way delay: 38.657 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 44.00 Mbit/s
95th percentile per-packet one-way delay: 38.817 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 36.652 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 18.99 Mbit/s
95th percentile per-packet one-way delay: 42.761 ms
Loss rate: 0.41%
```

Run 10: Report of Verus — Data Link

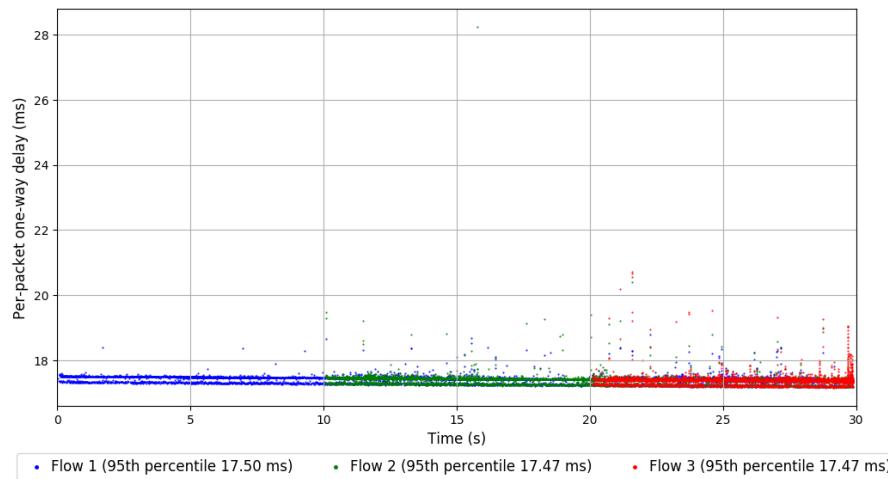
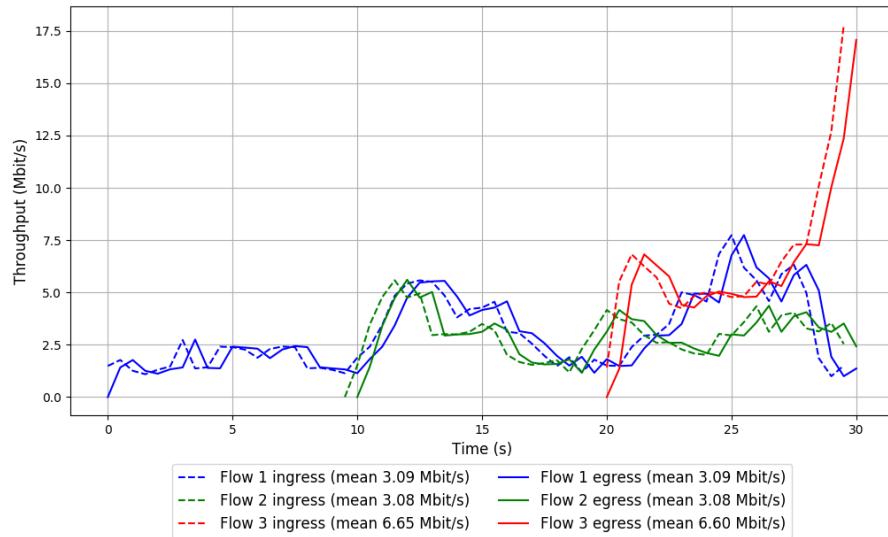


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-06-19 09:18:10
End at: 2018-06-19 09:18:40
Local clock offset: 2.047 ms
Remote clock offset: -2.686 ms

# Below is generated by plot.py at 2018-06-19 12:35:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 17.491 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 17.497 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 17.472 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 17.466 ms
Loss rate: 1.04%
```

Run 1: Report of PCC-Vivace — Data Link

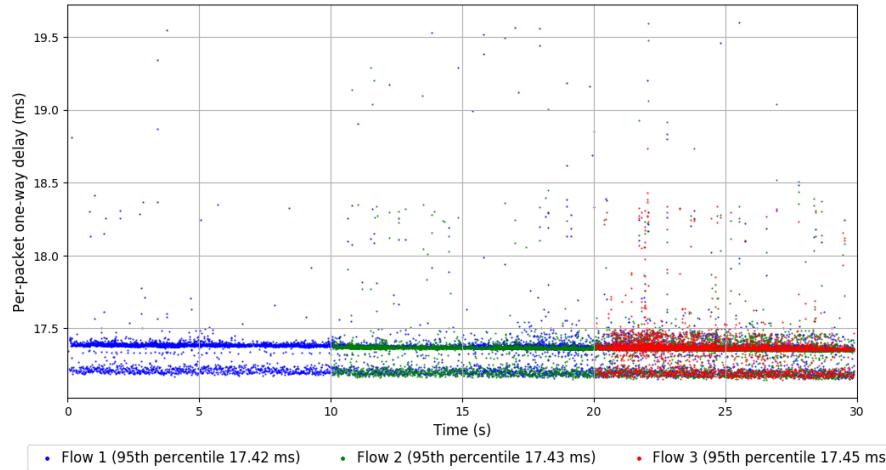
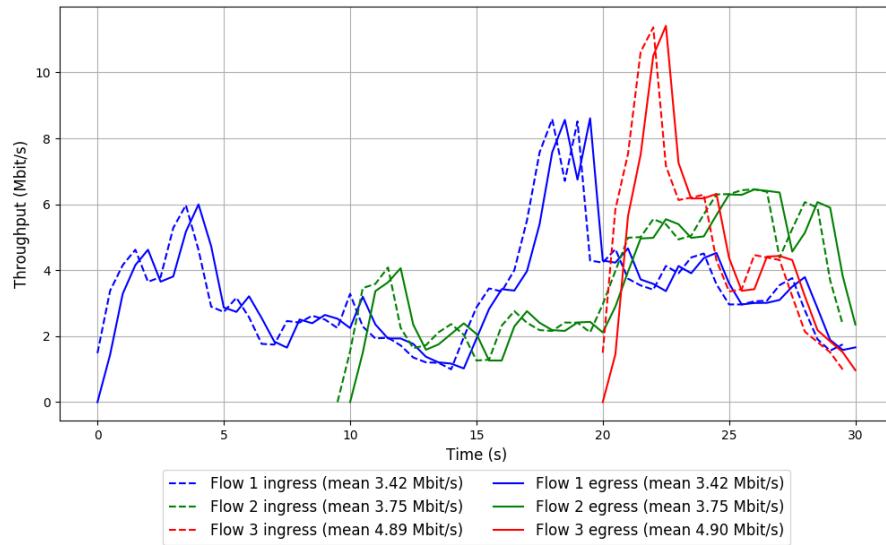


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-19 09:37:02
End at: 2018-06-19 09:37:32
Local clock offset: 0.649 ms
Remote clock offset: -6.749 ms

# Below is generated by plot.py at 2018-06-19 12:35:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 17.429 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 17.417 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 17.430 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 17.452 ms
Loss rate: 0.07%
```

Run 2: Report of PCC-Vivace — Data Link

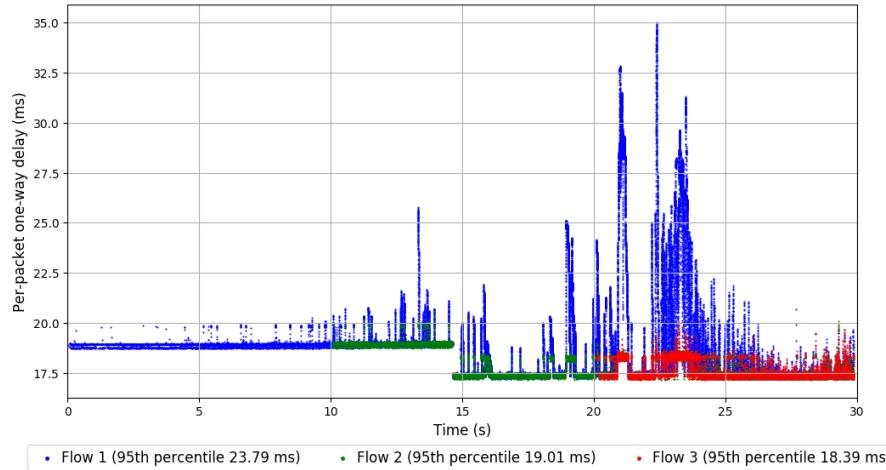
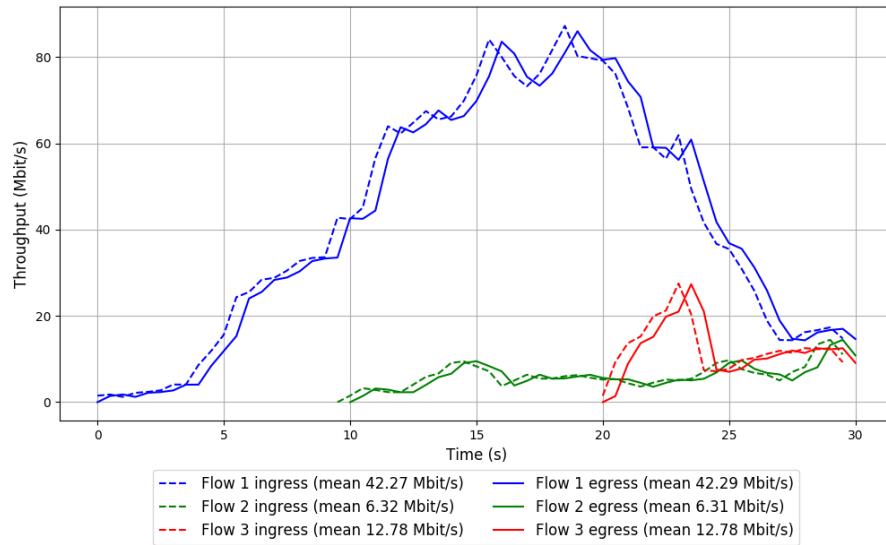


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-19 09:56:09
End at: 2018-06-19 09:56:39
Local clock offset: 1.855 ms
Remote clock offset: -3.37 ms

# Below is generated by plot.py at 2018-06-19 12:36:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.70 Mbit/s
95th percentile per-packet one-way delay: 22.786 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 42.29 Mbit/s
95th percentile per-packet one-way delay: 23.793 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 6.31 Mbit/s
95th percentile per-packet one-way delay: 19.007 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 12.78 Mbit/s
95th percentile per-packet one-way delay: 18.386 ms
Loss rate: 0.23%
```

Run 3: Report of PCC-Vivace — Data Link

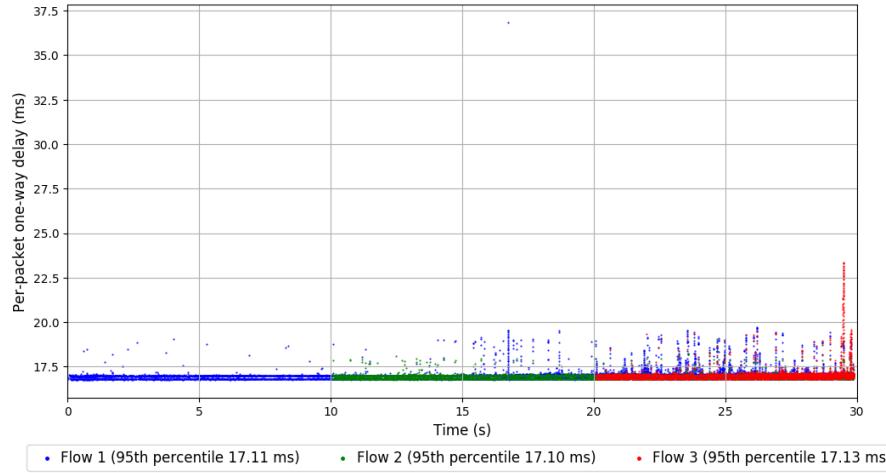
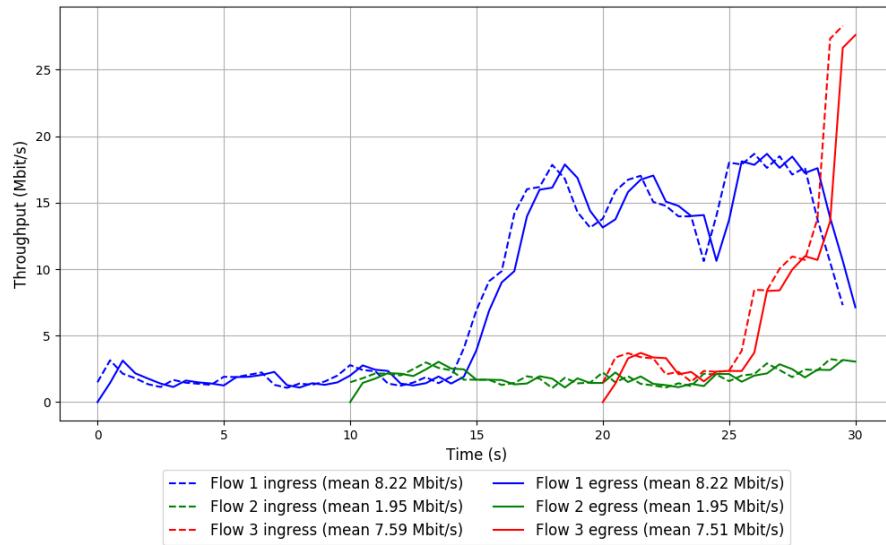


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-19 10:15:45
End at: 2018-06-19 10:16:15
Local clock offset: -2.95 ms
Remote clock offset: -3.918 ms

# Below is generated by plot.py at 2018-06-19 12:36:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 17.111 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 17.110 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 17.097 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 17.129 ms
Loss rate: 1.30%
```

Run 4: Report of PCC-Vivace — Data Link

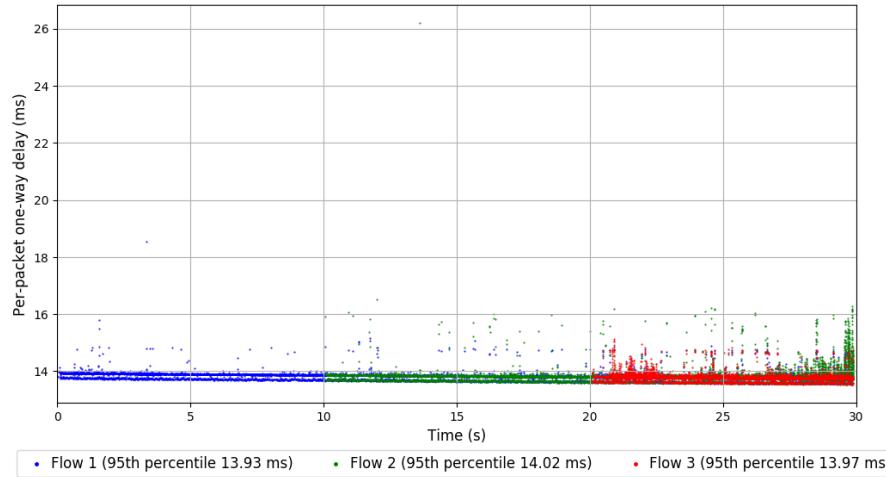
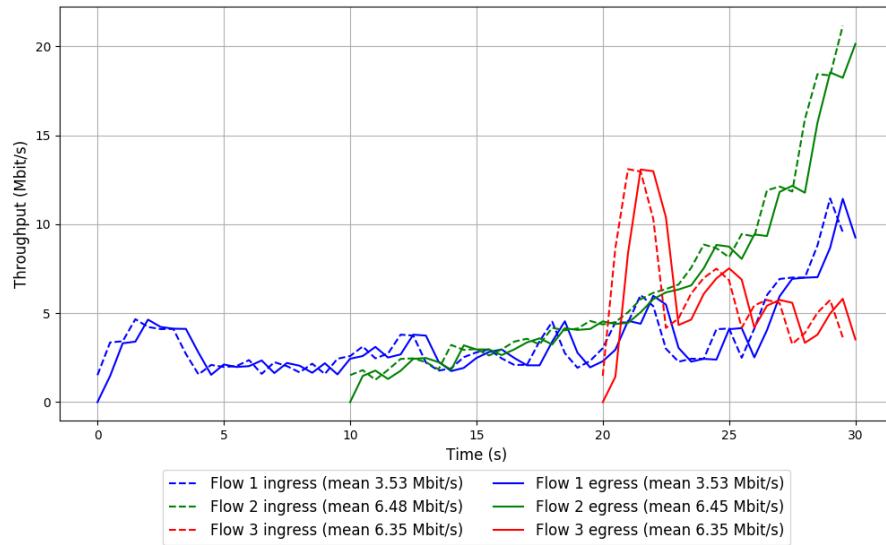


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-19 10:34:51
End at: 2018-06-19 10:35:21
Local clock offset: -3.037 ms
Remote clock offset: -6.658 ms

# Below is generated by plot.py at 2018-06-19 12:36:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.91 Mbit/s
95th percentile per-packet one-way delay: 13.946 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 13.933 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 14.019 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 13.969 ms
Loss rate: 0.19%
```

## Run 5: Report of PCC-Vivace — Data Link

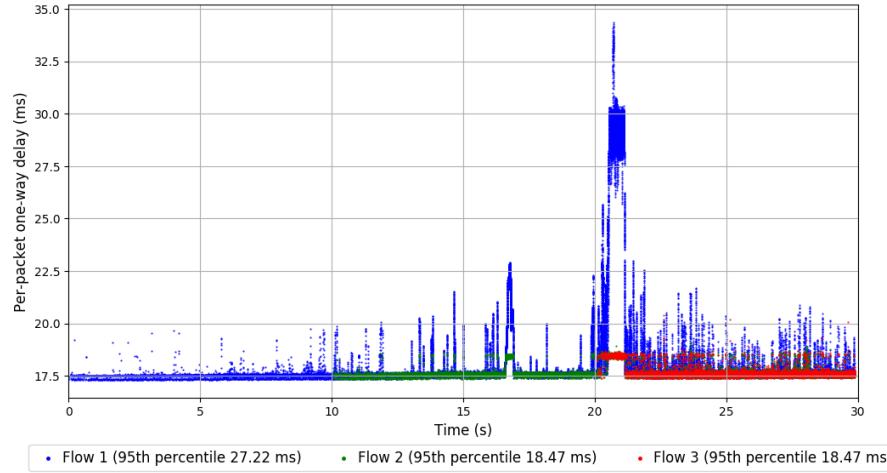
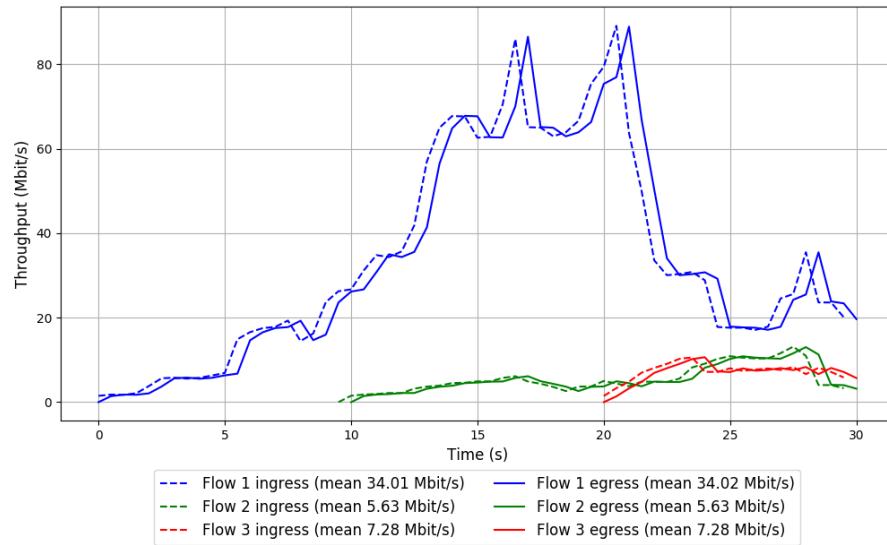


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-19 10:54:07
End at: 2018-06-19 10:54:37
Local clock offset: 0.909 ms
Remote clock offset: -8.35 ms

# Below is generated by plot.py at 2018-06-19 12:36:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.16 Mbit/s
95th percentile per-packet one-way delay: 22.421 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 34.02 Mbit/s
95th percentile per-packet one-way delay: 27.218 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 5.63 Mbit/s
95th percentile per-packet one-way delay: 18.471 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 18.469 ms
Loss rate: 0.30%
```

Run 6: Report of PCC-Vivace — Data Link

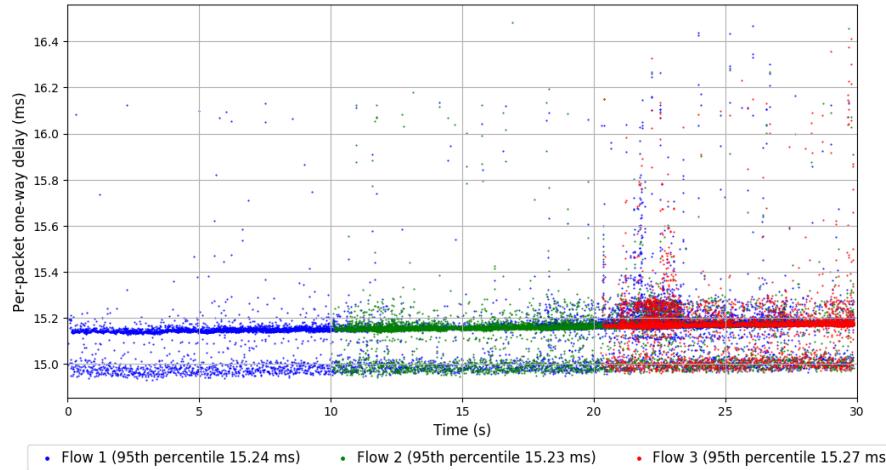
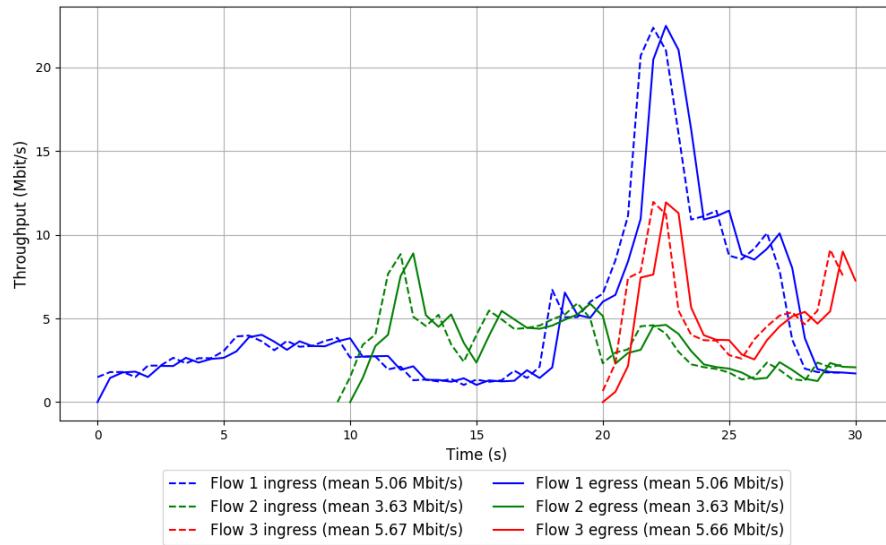


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-19 11:13:19
End at: 2018-06-19 11:13:49
Local clock offset: 0.752 ms
Remote clock offset: -3.379 ms

# Below is generated by plot.py at 2018-06-19 12:36:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 15.249 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 5.06 Mbit/s
95th percentile per-packet one-way delay: 15.239 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 15.234 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 5.66 Mbit/s
95th percentile per-packet one-way delay: 15.272 ms
Loss rate: 0.53%
```

Run 7: Report of PCC-Vivace — Data Link

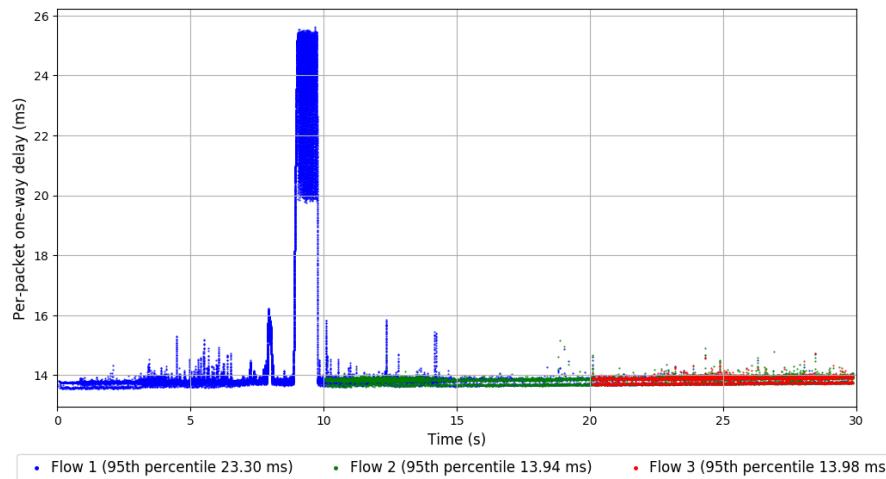
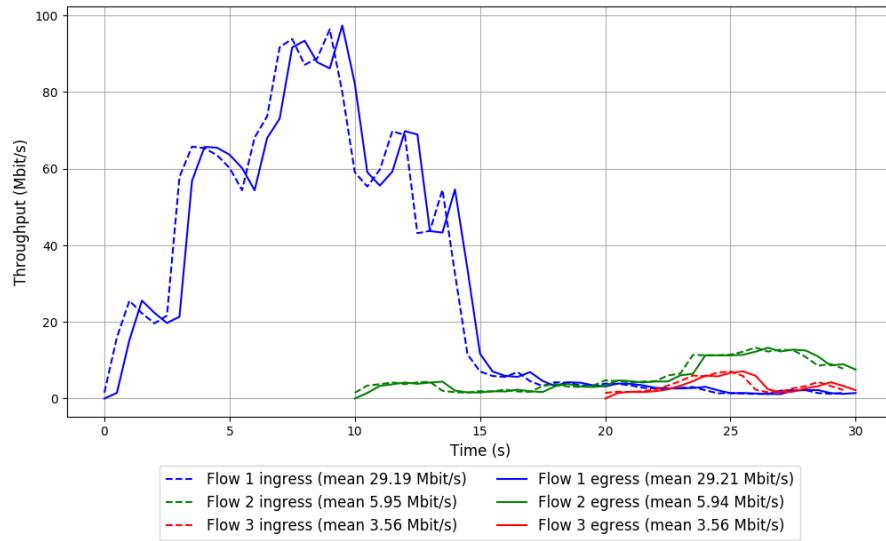


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-19 11:32:17
End at: 2018-06-19 11:32:47
Local clock offset: -1.087 ms
Remote clock offset: -2.871 ms

# Below is generated by plot.py at 2018-06-19 12:36:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 22.554 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 29.21 Mbit/s
95th percentile per-packet one-way delay: 23.299 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 13.942 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 13.977 ms
Loss rate: 0.23%
```

Run 8: Report of PCC-Vivace — Data Link

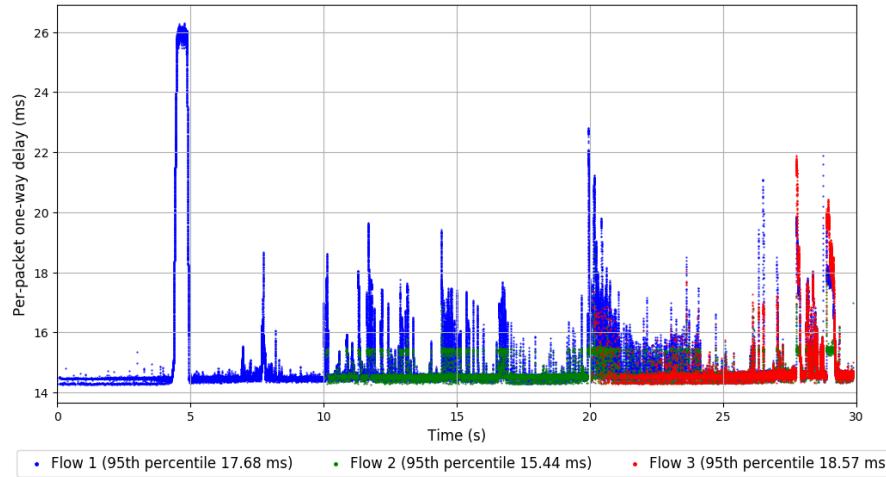
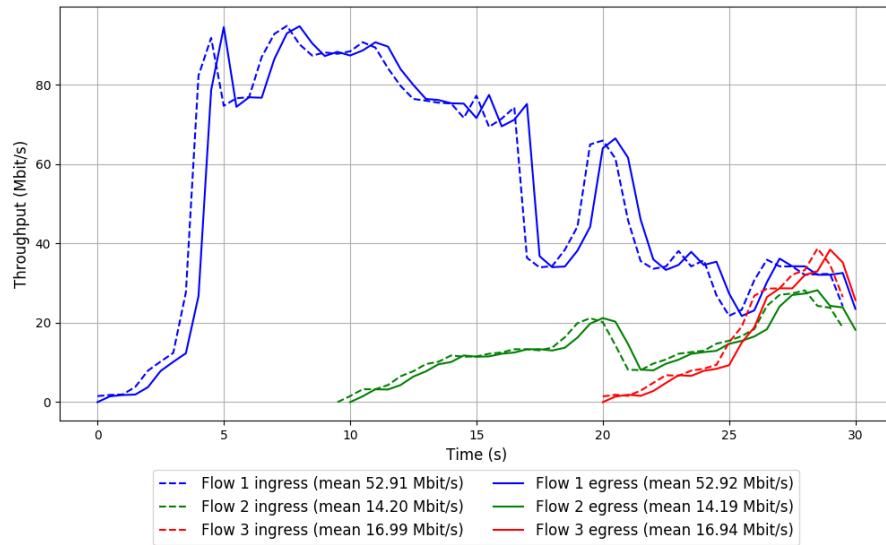


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-19 11:51:12
End at: 2018-06-19 11:51:42
Local clock offset: 1.935 ms
Remote clock offset: 2.256 ms

# Below is generated by plot.py at 2018-06-19 12:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.94 Mbit/s
95th percentile per-packet one-way delay: 17.471 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 52.92 Mbit/s
95th percentile per-packet one-way delay: 17.681 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 14.19 Mbit/s
95th percentile per-packet one-way delay: 15.441 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 18.575 ms
Loss rate: 0.51%
```

Run 9: Report of PCC-Vivace — Data Link

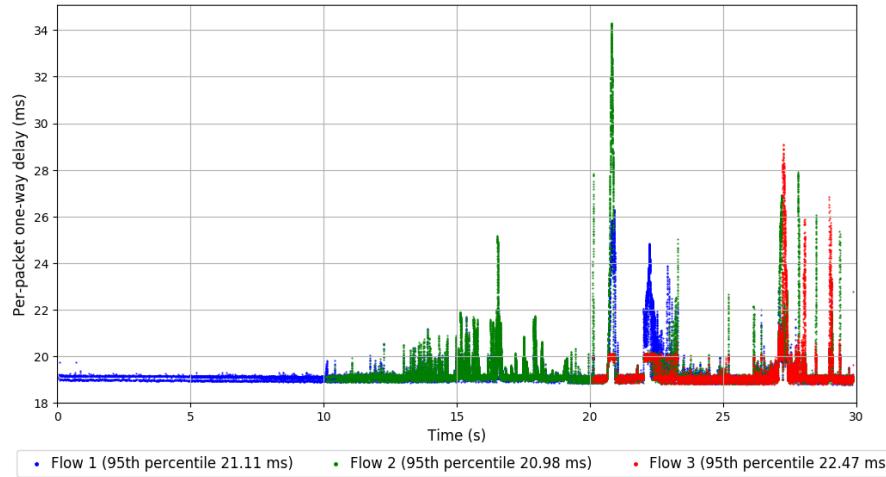
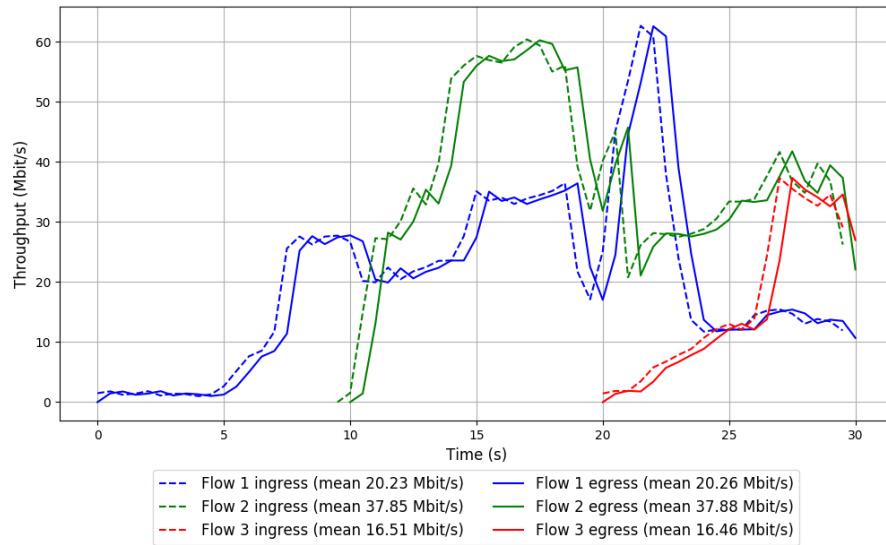


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-19 12:10:36
End at: 2018-06-19 12:11:06
Local clock offset: 1.16 ms
Remote clock offset: -5.88 ms

# Below is generated by plot.py at 2018-06-19 12:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.87 Mbit/s
95th percentile per-packet one-way delay: 21.115 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 20.26 Mbit/s
95th percentile per-packet one-way delay: 21.105 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 37.88 Mbit/s
95th percentile per-packet one-way delay: 20.985 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 16.46 Mbit/s
95th percentile per-packet one-way delay: 22.471 ms
Loss rate: 1.07%
```

Run 10: Report of PCC-Vivace — Data Link

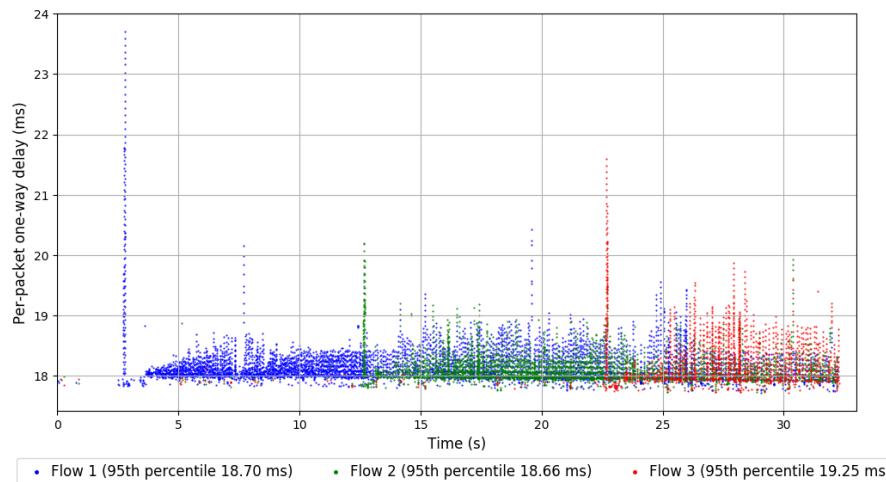
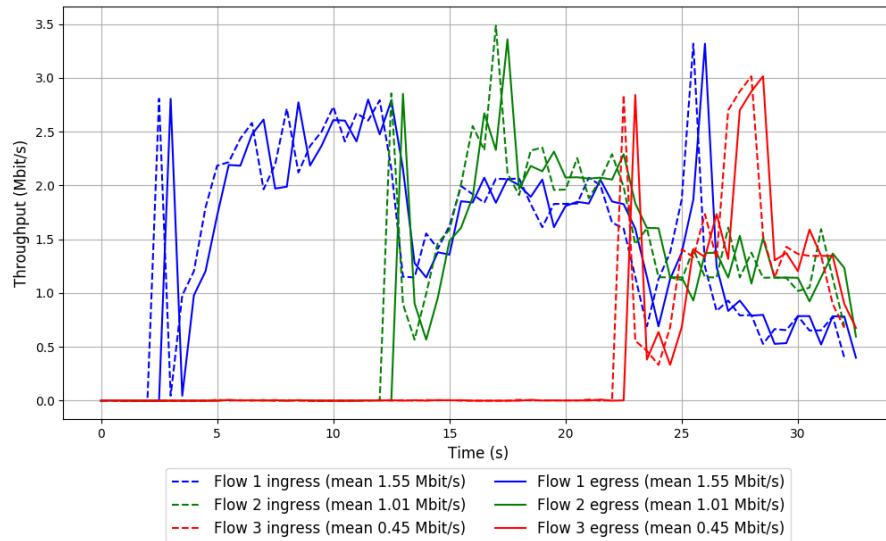


Run 1: Statistics of WebRTC media

```
Start at: 2018-06-19 09:20:30
End at: 2018-06-19 09:21:00
Local clock offset: 1.874 ms
Remote clock offset: -4.013 ms

# Below is generated by plot.py at 2018-06-19 12:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 18.802 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 18.697 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 18.664 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 19.255 ms
Loss rate: 0.01%
```

Run 1: Report of WebRTC media — Data Link

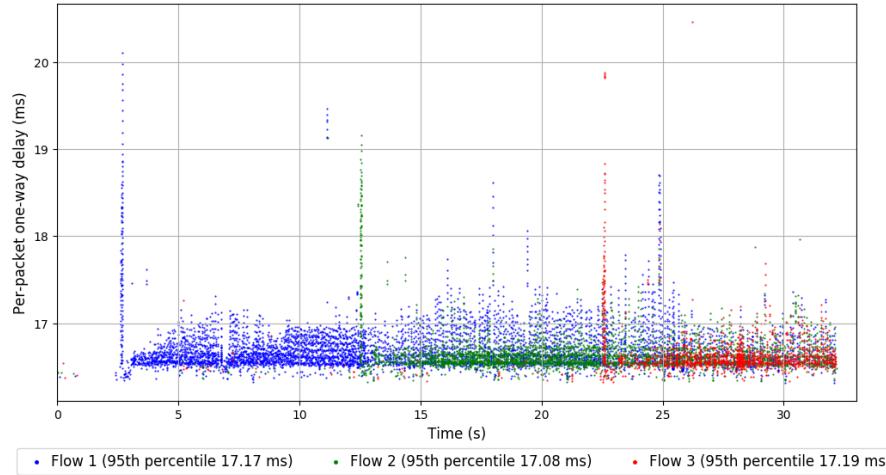
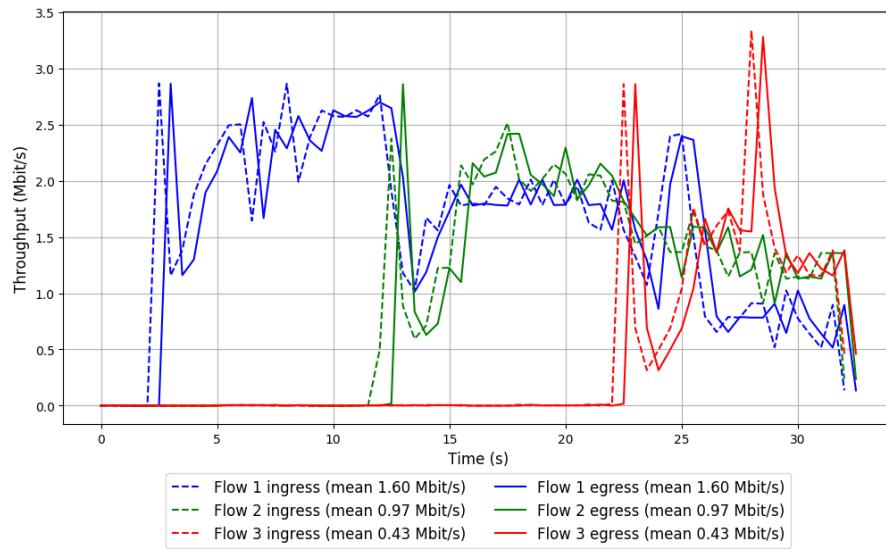


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-19 09:39:29
End at: 2018-06-19 09:39:59
Local clock offset: 0.037 ms
Remote clock offset: -6.645 ms

# Below is generated by plot.py at 2018-06-19 12:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 17.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 17.167 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 17.082 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 17.193 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

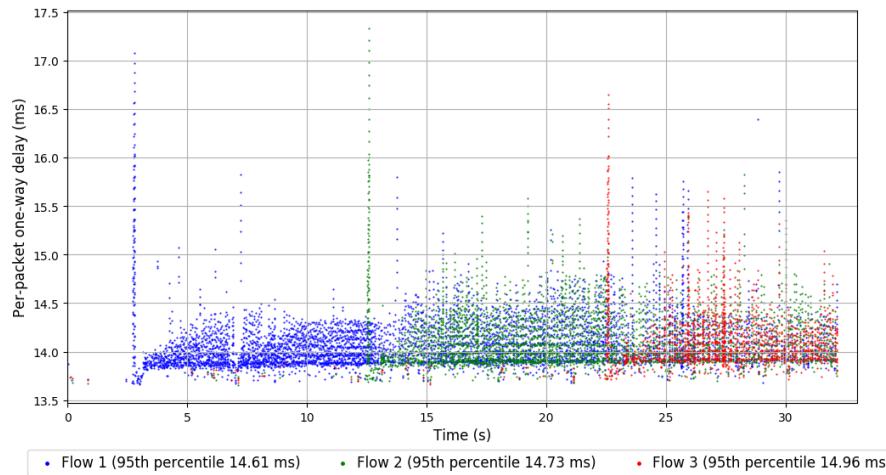
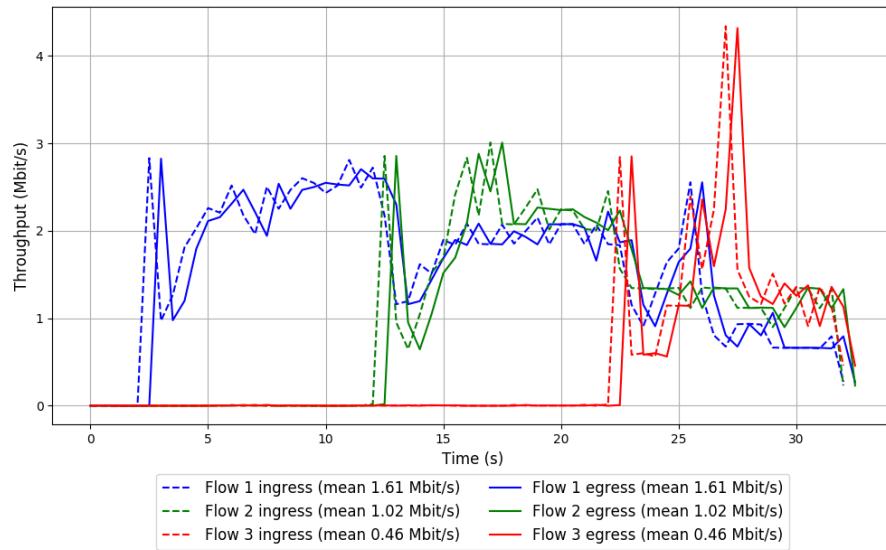


Run 3: Statistics of WebRTC media

```
Start at: 2018-06-19 09:58:37
End at: 2018-06-19 09:59:07
Local clock offset: -0.029 ms
Remote clock offset: -1.498 ms

# Below is generated by plot.py at 2018-06-19 12:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 14.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 14.614 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 14.728 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 14.955 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

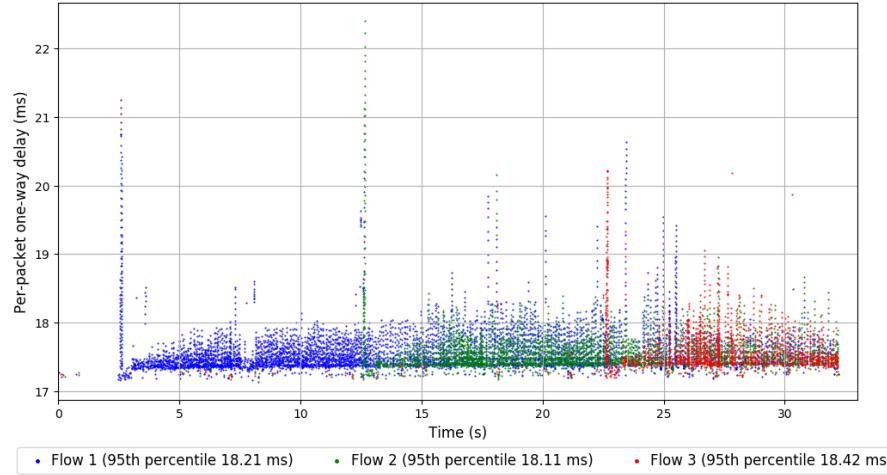
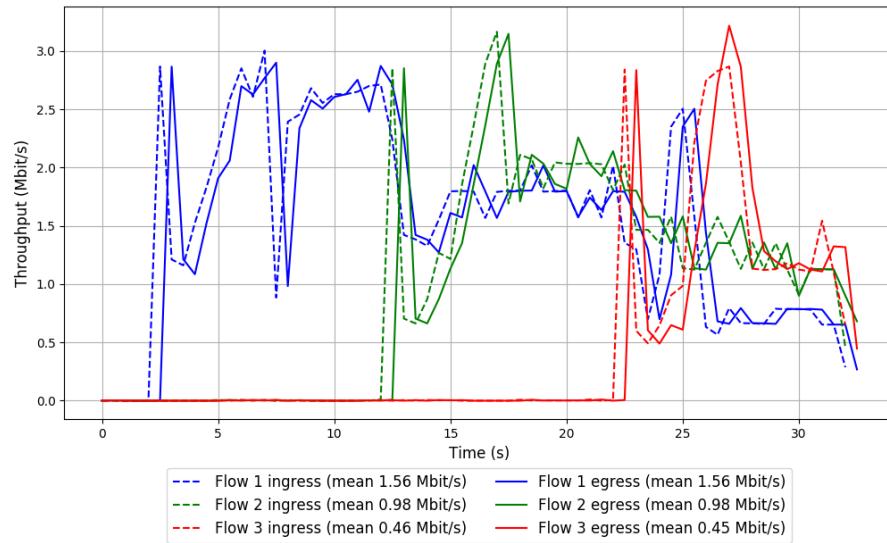


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-19 10:18:06
End at: 2018-06-19 10:18:36
Local clock offset: -2.361 ms
Remote clock offset: -3.544 ms

# Below is generated by plot.py at 2018-06-19 12:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 18.199 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 18.209 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 18.106 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 18.416 ms
Loss rate: 0.70%
```

Run 4: Report of WebRTC media — Data Link

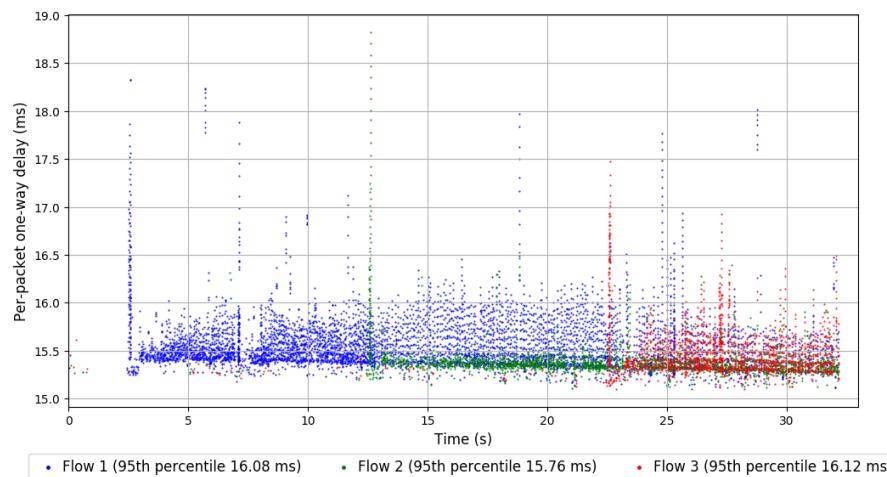
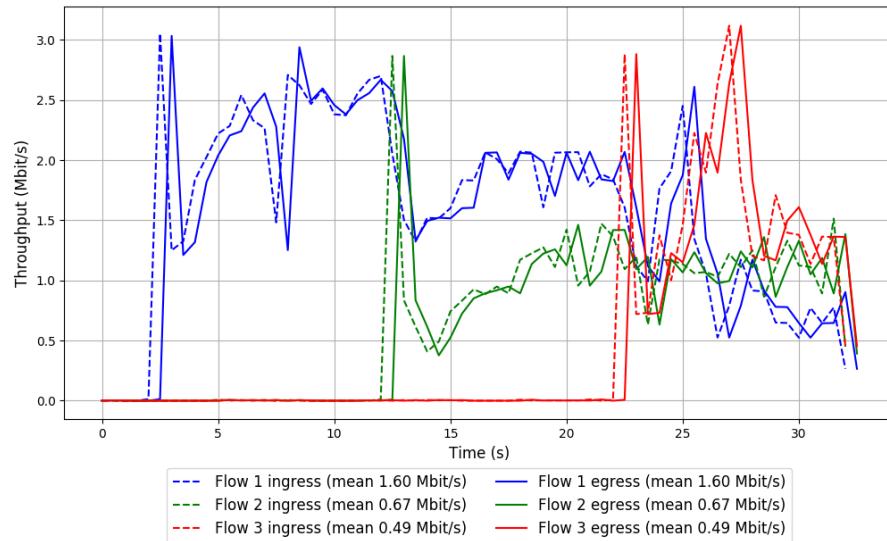


Run 5: Statistics of WebRTC media

```
Start at: 2018-06-19 10:37:10
End at: 2018-06-19 10:37:40
Local clock offset: -0.664 ms
Remote clock offset: -6.617 ms

# Below is generated by plot.py at 2018-06-19 12:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 16.046 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 16.084 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 15.756 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 16.125 ms
Loss rate: 0.01%
```

Run 5: Report of WebRTC media — Data Link

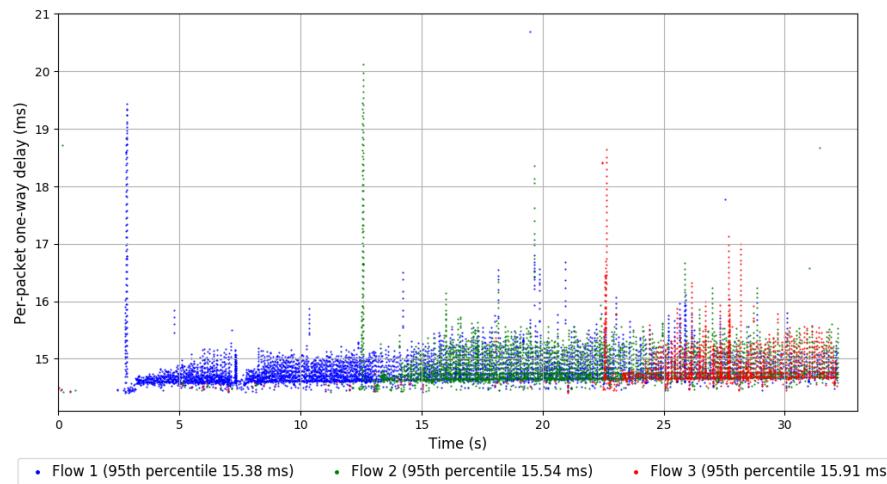
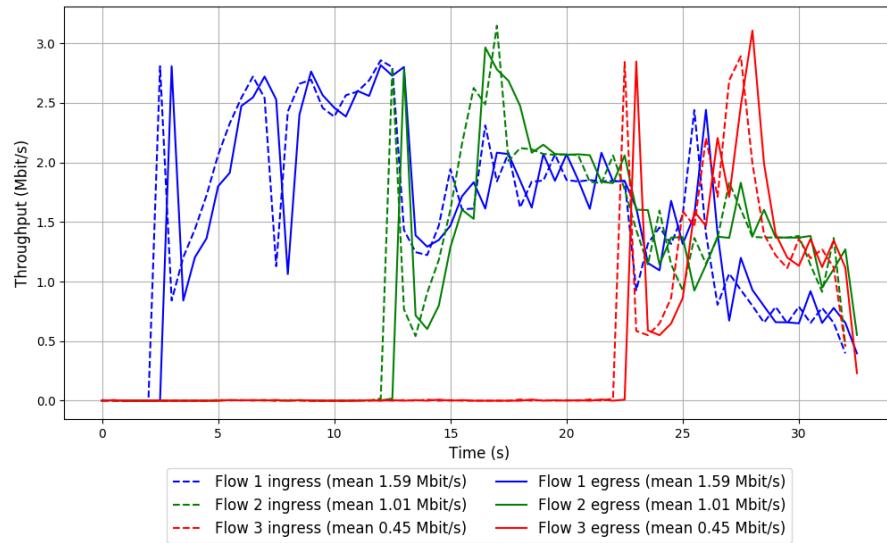


Run 6: Statistics of WebRTC media

```
Start at: 2018-06-19 10:56:34
End at: 2018-06-19 10:57:04
Local clock offset: -0.651 ms
Remote clock offset: -6.505 ms

# Below is generated by plot.py at 2018-06-19 12:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 15.526 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 15.381 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 15.535 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 15.912 ms
Loss rate: 0.76%
```

Run 6: Report of WebRTC media — Data Link

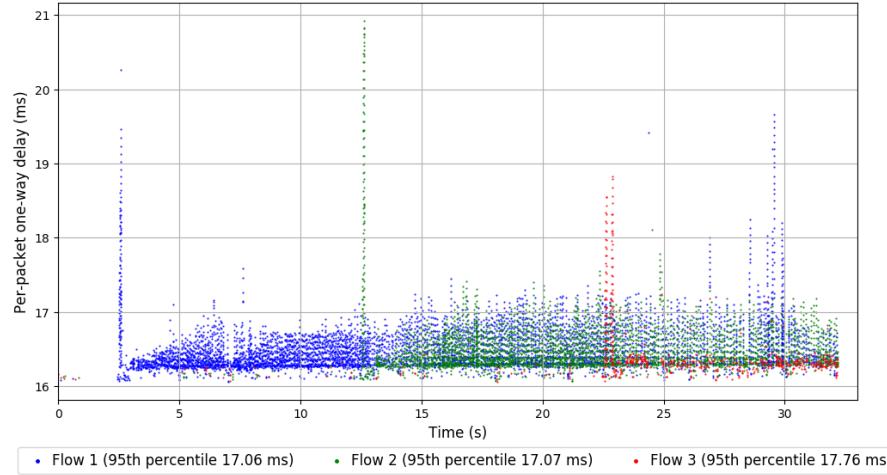
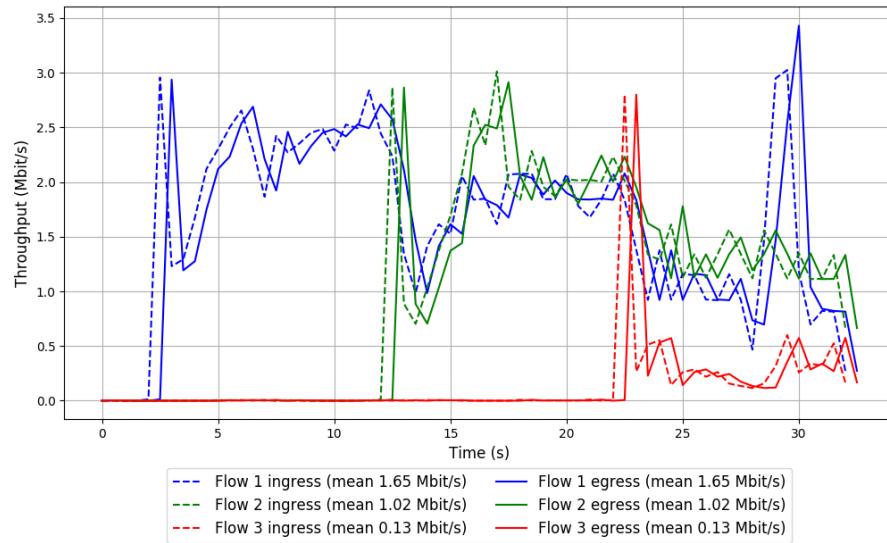


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-19 11:15:42
End at: 2018-06-19 11:16:12
Local clock offset: 1.588 ms
Remote clock offset: -3.479 ms

# Below is generated by plot.py at 2018-06-19 12:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 17.081 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 17.056 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 17.068 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 17.760 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

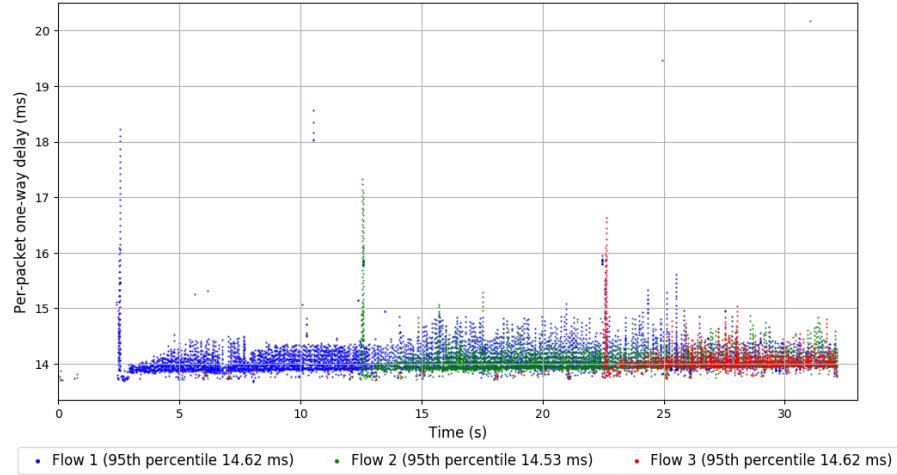
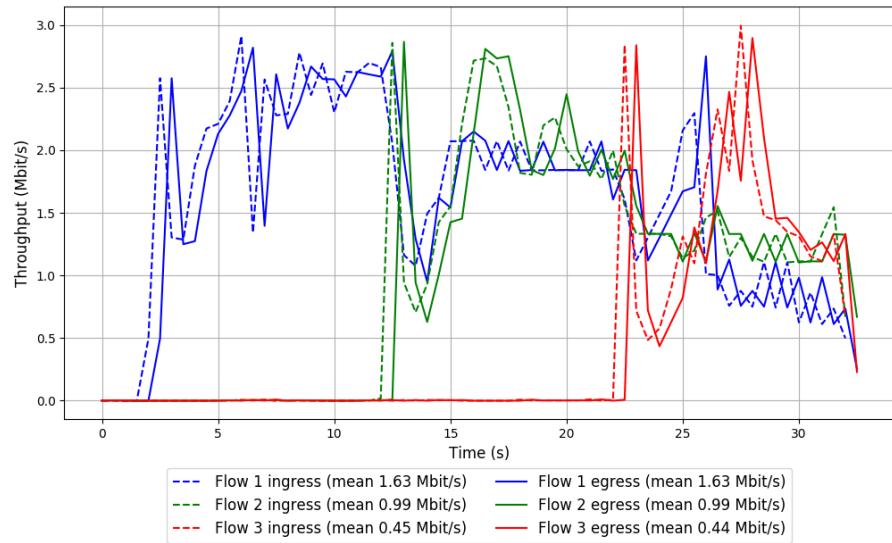


Run 8: Statistics of WebRTC media

```
Start at: 2018-06-19 11:34:43
End at: 2018-06-19 11:35:13
Local clock offset: 0.258 ms
Remote clock offset: -0.988 ms

# Below is generated by plot.py at 2018-06-19 12:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 14.584 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 14.617 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 14.529 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 14.619 ms
Loss rate: 1.54%
```

Run 8: Report of WebRTC media — Data Link

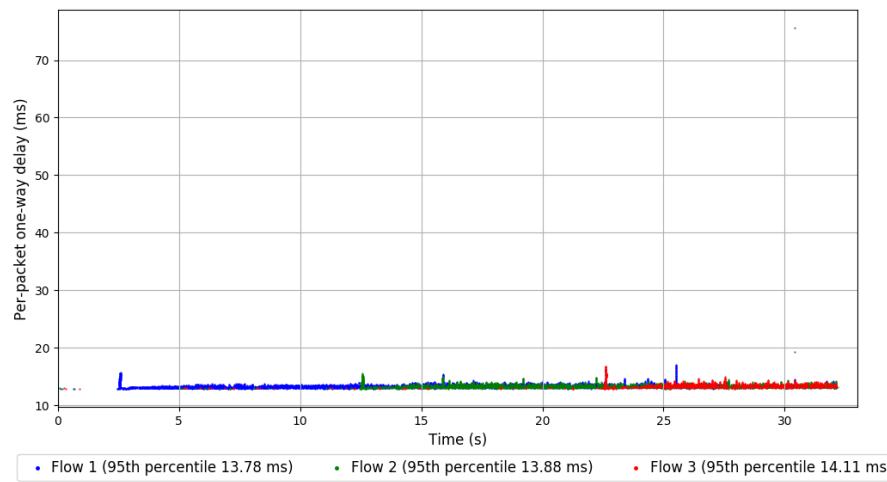
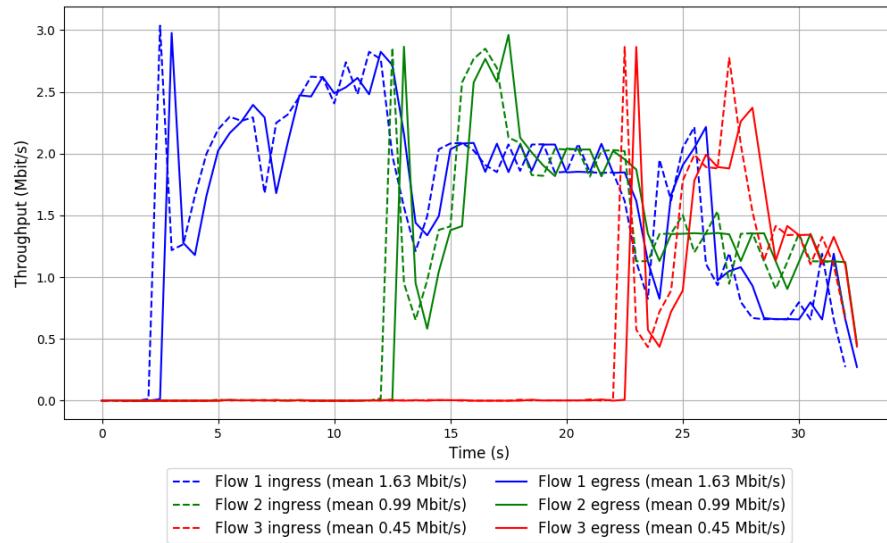


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-19 11:53:50
End at: 2018-06-19 11:54:20
Local clock offset: -0.815 ms
Remote clock offset: 1.263 ms

# Below is generated by plot.py at 2018-06-19 12:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 13.877 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 13.776 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 13.877 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 14.106 ms
Loss rate: 0.76%
```

### Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-06-19 12:13:05
End at: 2018-06-19 12:13:35
Local clock offset: -1.348 ms
Remote clock offset: -10.473 ms

# Below is generated by plot.py at 2018-06-19 12:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 21.092 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 21.081 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 21.110 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 21.157 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

