

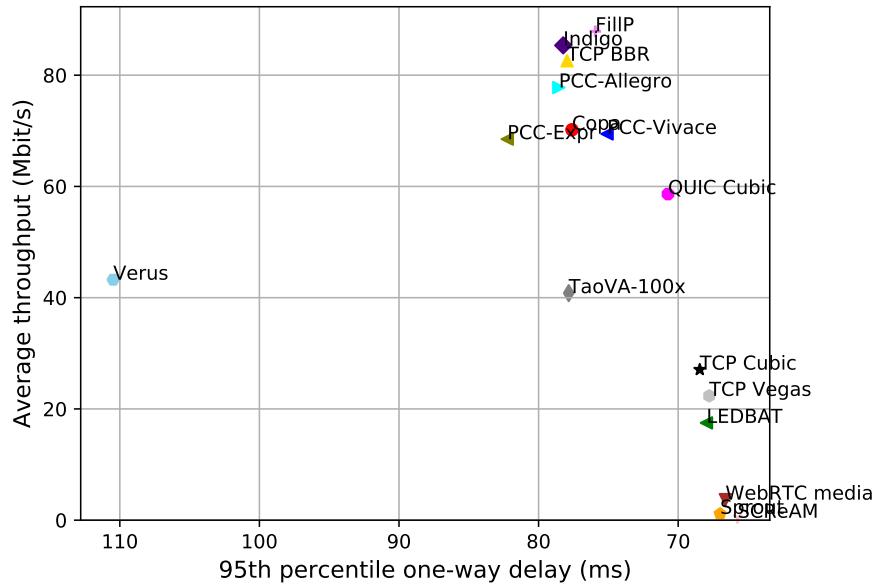
## Pantheon Report

Generated at 2018-06-05 15:25:45 (UTC).  
Data path: AWS Korea Ethernet (*local*) → China Ethernet (*remote*).  
Repeated the test of 16 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

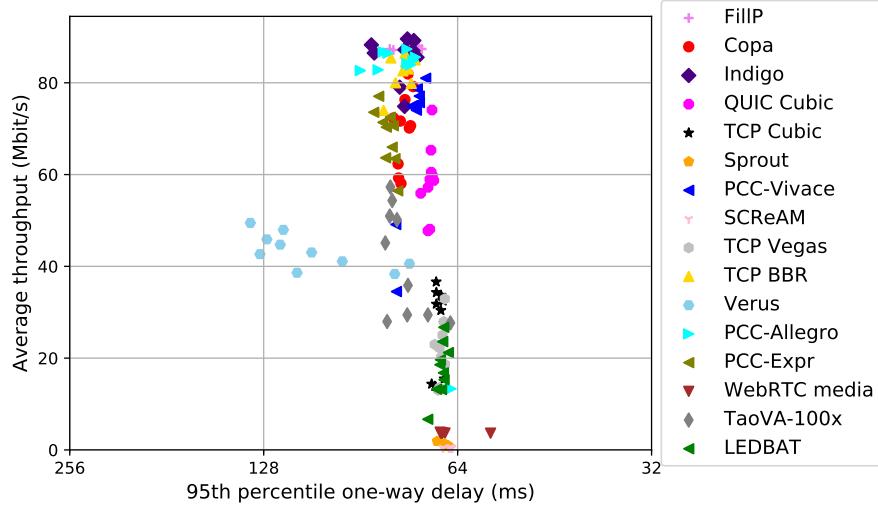
Git summary:

```
branch: master @ 227fdf9a3757f17b88537ccecd5743a33037a3d2
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 @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



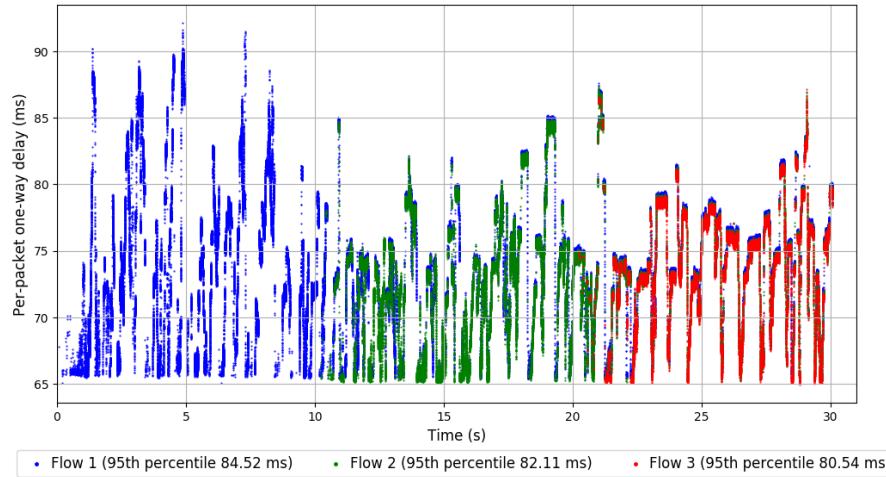
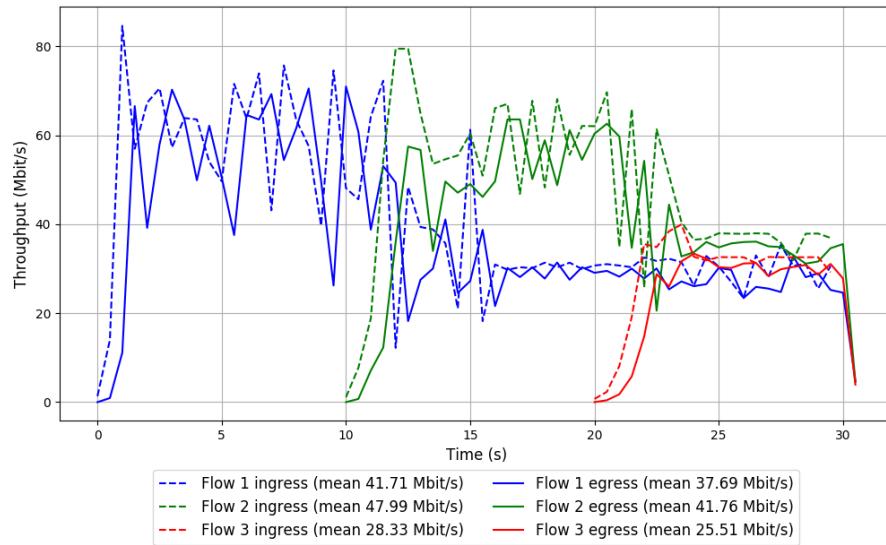
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	50.06	38.28	21.16	77.47	78.28	78.14	10.07	12.65	12.68
Copa	10	56.04	16.00	10.49	77.94	77.33	77.21	2.20	2.01	2.26
TCP Cubic	10	13.03	15.18	11.81	68.17	68.58	68.77	0.51	0.57	0.80
FillP	10	53.04	36.24	32.34	75.51	76.74	76.30	17.62	19.37	21.08
Indigo	10	52.35	34.87	30.81	77.61	78.63	79.17	28.90	43.51	63.48
LEDBAT	10	10.57	7.82	5.41	67.94	67.83	68.42	0.34	0.38	0.34
PCC-Allegro	10	67.08	11.81	8.65	78.54	78.80	77.47	1.89	2.31	2.45
PCC-Expr	10	55.50	13.24	12.78	82.17	82.17	82.20	2.05	2.90	3.26
QUIC Cubic	10	36.44	23.20	20.79	70.51	70.29	71.02	1.01	0.42	0.49
SCReAM	10	0.22	0.22	0.21	65.68	65.71	65.76	0.02	0.00	0.04
Sprout	10	0.49	0.56	0.86	66.77	66.82	67.13	0.00	0.00	0.07
TaoVA-100x	10	17.20	29.93	11.09	74.62	77.77	77.71	4.61	5.24	10.36
TCP Vegas	10	11.52	11.08	10.40	67.63	67.87	68.11	0.43	0.55	0.84
Verus	10	31.19	15.97	6.97	107.25	95.66	88.25	78.54	63.42	57.57
PCC-Vivace	10	54.94	16.84	9.99	74.82	75.23	75.96	0.62	0.74	0.98
WebRTC media	10	1.97	1.27	0.47	66.69	66.50	66.83	0.02	0.00	0.02

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-05 11:40:50
End at: 2018-06-05 11:41:20
Local clock offset: 7.644 ms
Remote clock offset: -5.512 ms

# Below is generated by plot.py at 2018-06-05 15:09:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.98 Mbit/s
95th percentile per-packet one-way delay: 83.377 ms
Loss rate: 10.93%
-- Flow 1:
Average throughput: 37.69 Mbit/s
95th percentile per-packet one-way delay: 84.524 ms
Loss rate: 9.60%
-- Flow 2:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 82.111 ms
Loss rate: 12.97%
-- Flow 3:
Average throughput: 25.51 Mbit/s
95th percentile per-packet one-way delay: 80.541 ms
Loss rate: 9.92%
```

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

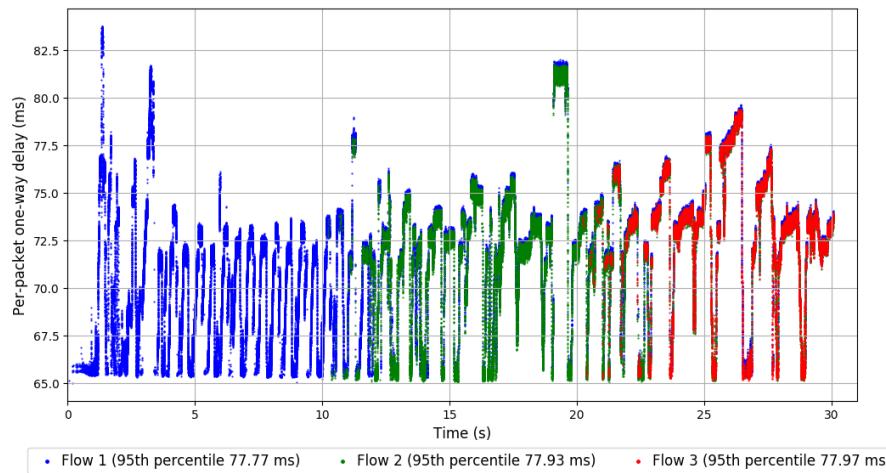
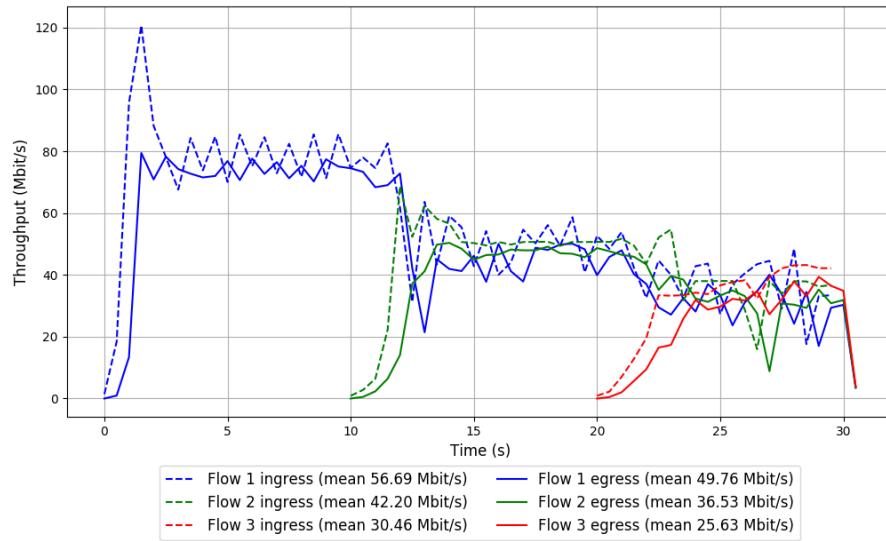


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-05 12:03:56
End at: 2018-06-05 12:04:26
Local clock offset: 7.605 ms
Remote clock offset: -4.486 ms

# Below is generated by plot.py at 2018-06-05 15:09:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.61 Mbit/s
95th percentile per-packet one-way delay: 77.841 ms
Loss rate: 12.95%
-- Flow 1:
Average throughput: 49.76 Mbit/s
95th percentile per-packet one-way delay: 77.772 ms
Loss rate: 12.19%
-- Flow 2:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 77.933 ms
Loss rate: 13.43%
-- Flow 3:
Average throughput: 25.63 Mbit/s
95th percentile per-packet one-way delay: 77.973 ms
Loss rate: 15.85%
```

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

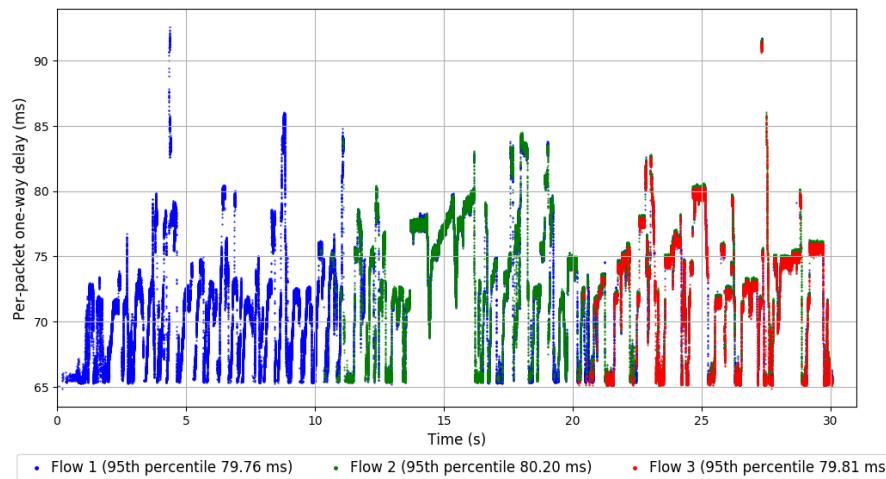
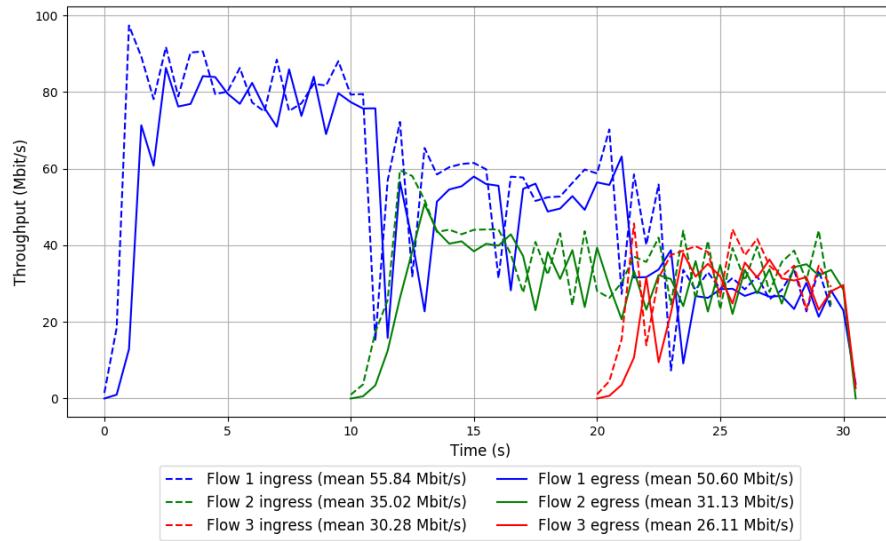


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-05 12:26:05
End at: 2018-06-05 12:26:35
Local clock offset: 5.729 ms
Remote clock offset: -5.275 ms

# Below is generated by plot.py at 2018-06-05 15:09:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.01 Mbit/s
95th percentile per-packet one-way delay: 79.912 ms
Loss rate: 10.33%
-- Flow 1:
Average throughput: 50.60 Mbit/s
95th percentile per-packet one-way delay: 79.756 ms
Loss rate: 9.37%
-- Flow 2:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 80.196 ms
Loss rate: 11.12%
-- Flow 3:
Average throughput: 26.11 Mbit/s
95th percentile per-packet one-way delay: 79.808 ms
Loss rate: 13.83%
```

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

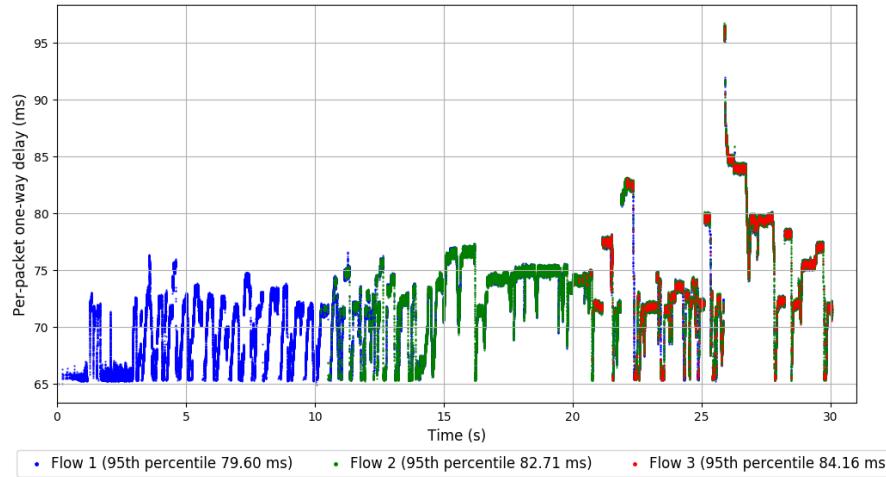
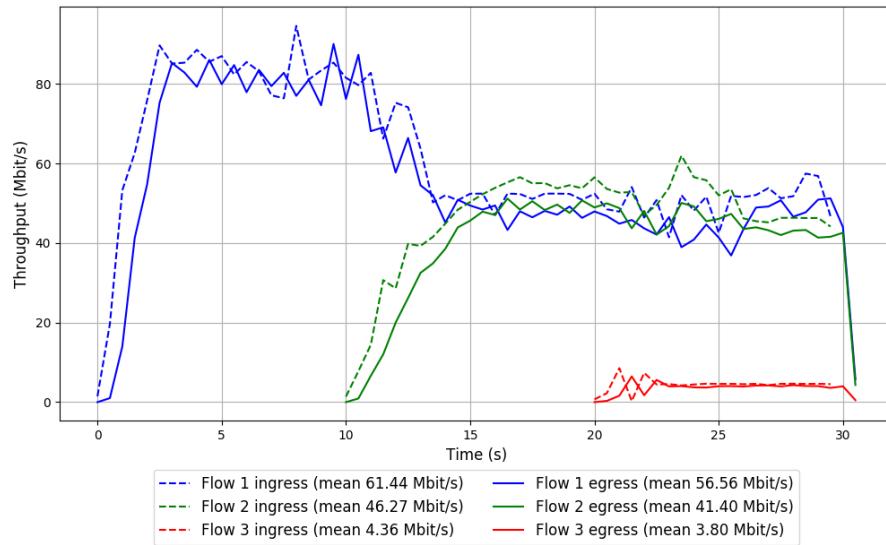


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-05 12:48:34
End at: 2018-06-05 12:49:04
Local clock offset: 5.373 ms
Remote clock offset: -5.601 ms

# Below is generated by plot.py at 2018-06-05 15:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.42 Mbit/s
95th percentile per-packet one-way delay: 81.224 ms
Loss rate: 8.83%
-- Flow 1:
Average throughput: 56.56 Mbit/s
95th percentile per-packet one-way delay: 79.600 ms
Loss rate: 7.91%
-- Flow 2:
Average throughput: 41.40 Mbit/s
95th percentile per-packet one-way delay: 82.712 ms
Loss rate: 10.48%
-- Flow 3:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 84.162 ms
Loss rate: 12.78%
```

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

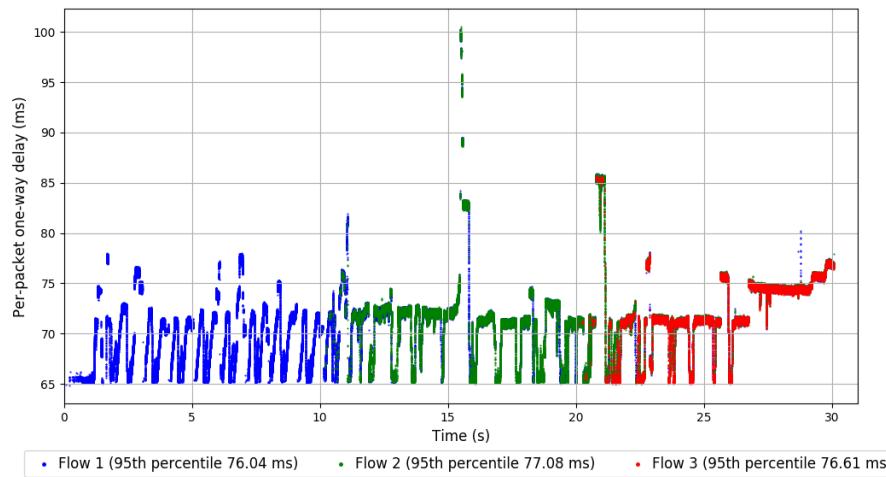
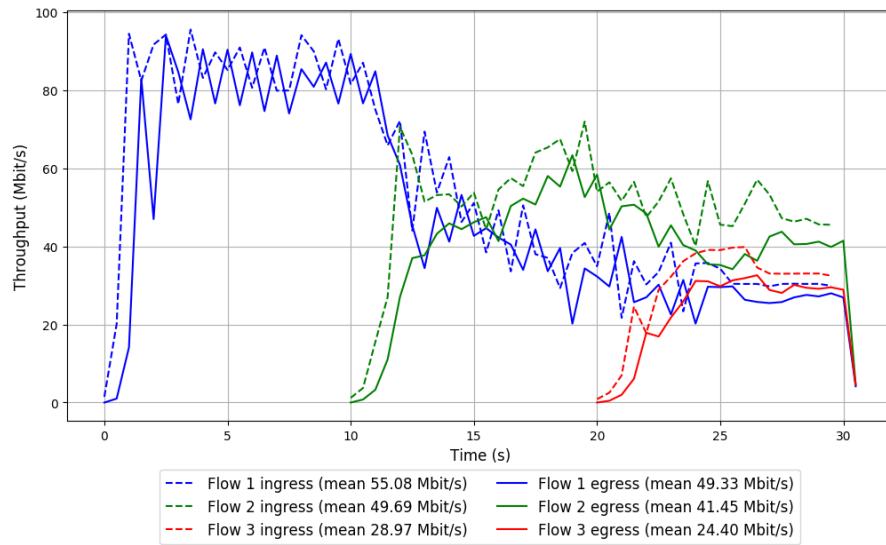


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-05 13:10:47
End at: 2018-06-05 13:11:17
Local clock offset: 5.307 ms
Remote clock offset: -5.665 ms

# Below is generated by plot.py at 2018-06-05 15:09:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.06 Mbit/s
95th percentile per-packet one-way delay: 76.503 ms
Loss rate: 13.01%
-- Flow 1:
Average throughput: 49.33 Mbit/s
95th percentile per-packet one-way delay: 76.037 ms
Loss rate: 10.42%
-- Flow 2:
Average throughput: 41.45 Mbit/s
95th percentile per-packet one-way delay: 77.084 ms
Loss rate: 16.55%
-- Flow 3:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 76.606 ms
Loss rate: 15.71%
```

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

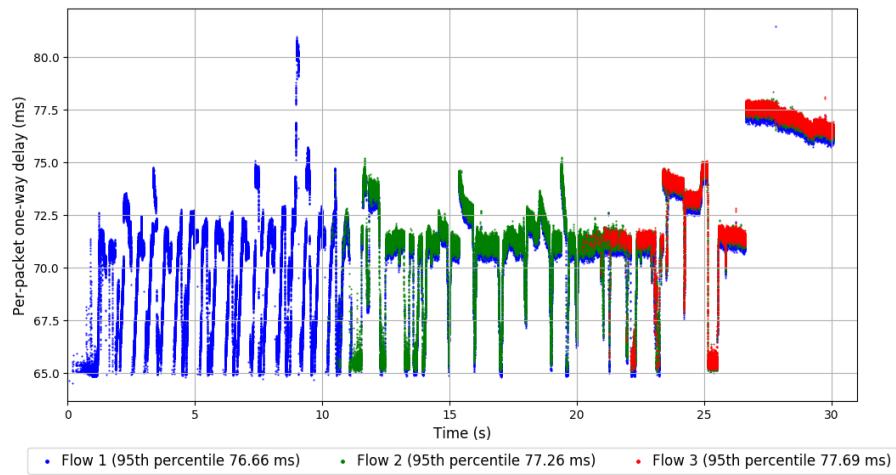
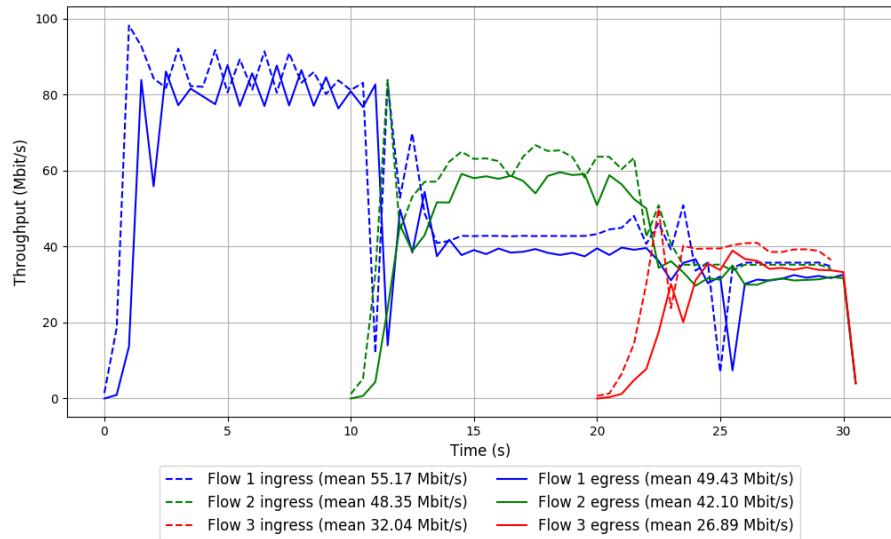


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-05 13:32:50
End at: 2018-06-05 13:33:20
Local clock offset: 4.308 ms
Remote clock offset: -5.678 ms

# Below is generated by plot.py at 2018-06-05 15:09:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.41 Mbit/s
95th percentile per-packet one-way delay: 77.235 ms
Loss rate: 11.82%
-- Flow 1:
Average throughput: 49.43 Mbit/s
95th percentile per-packet one-way delay: 76.662 ms
Loss rate: 10.37%
-- Flow 2:
Average throughput: 42.10 Mbit/s
95th percentile per-packet one-way delay: 77.258 ms
Loss rate: 12.90%
-- Flow 3:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 77.693 ms
Loss rate: 16.02%
```

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

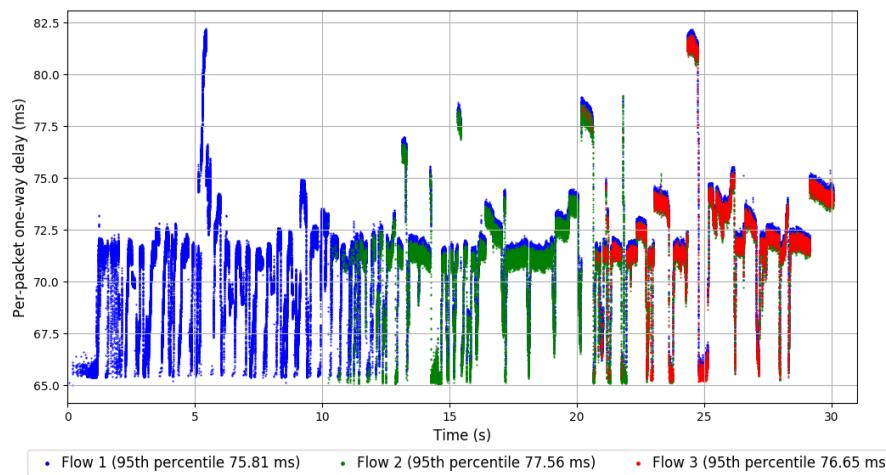
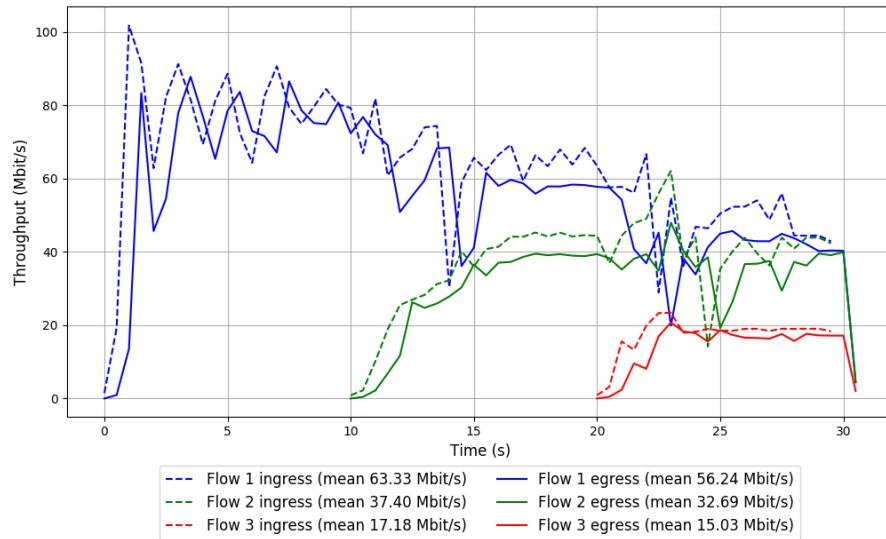


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-05 13:55:36
End at: 2018-06-05 13:56:06
Local clock offset: 3.995 ms
Remote clock offset: -5.842 ms

# Below is generated by plot.py at 2018-06-05 15:09:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.01 Mbit/s
95th percentile per-packet one-way delay: 76.335 ms
Loss rate: 11.62%
-- Flow 1:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: 75.806 ms
Loss rate: 11.17%
-- Flow 2:
Average throughput: 32.69 Mbit/s
95th percentile per-packet one-way delay: 77.565 ms
Loss rate: 12.58%
-- Flow 3:
Average throughput: 15.03 Mbit/s
95th percentile per-packet one-way delay: 76.650 ms
Loss rate: 12.47%
```

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

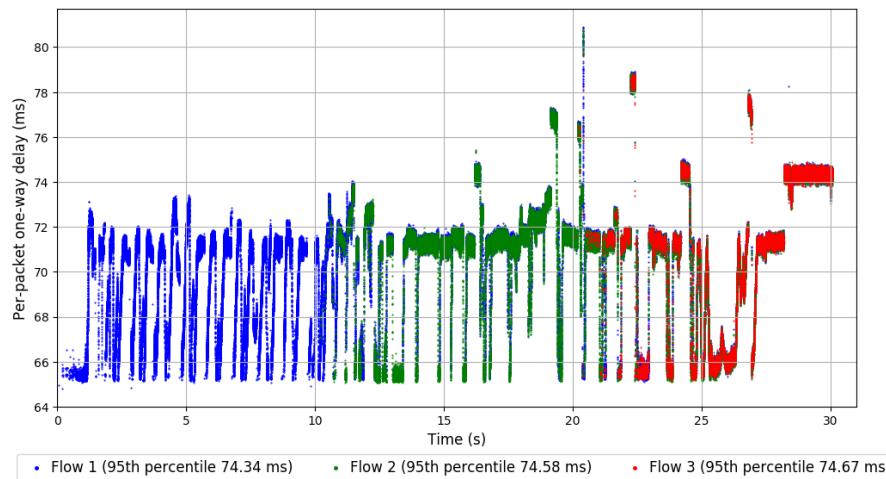
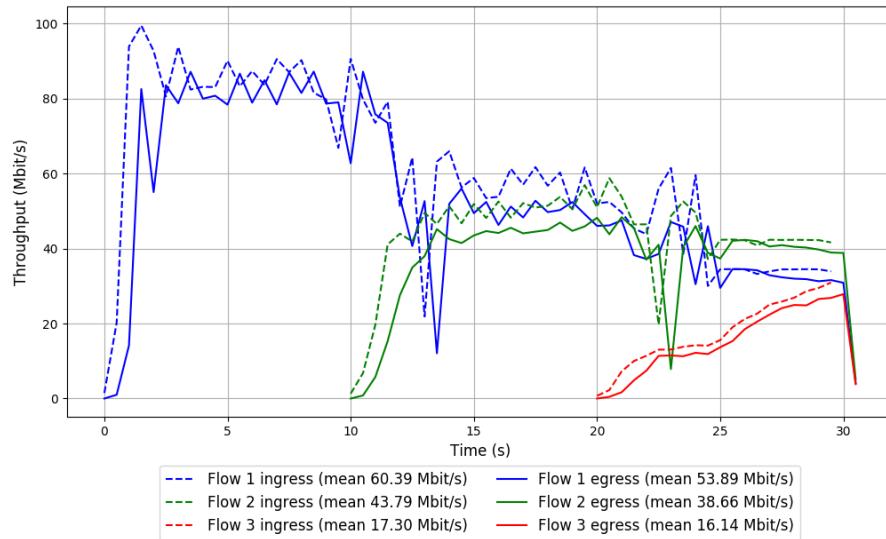


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-05 14:17:29
End at: 2018-06-05 14:17:59
Local clock offset: 5.486 ms
Remote clock offset: -1.438 ms

# Below is generated by plot.py at 2018-06-05 15:09:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 74.500 ms
Loss rate: 10.79%
-- Flow 1:
Average throughput: 53.89 Mbit/s
95th percentile per-packet one-way delay: 74.343 ms
Loss rate: 10.74%
-- Flow 2:
Average throughput: 38.66 Mbit/s
95th percentile per-packet one-way delay: 74.584 ms
Loss rate: 11.69%
-- Flow 3:
Average throughput: 16.14 Mbit/s
95th percentile per-packet one-way delay: 74.668 ms
Loss rate: 6.72%
```

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

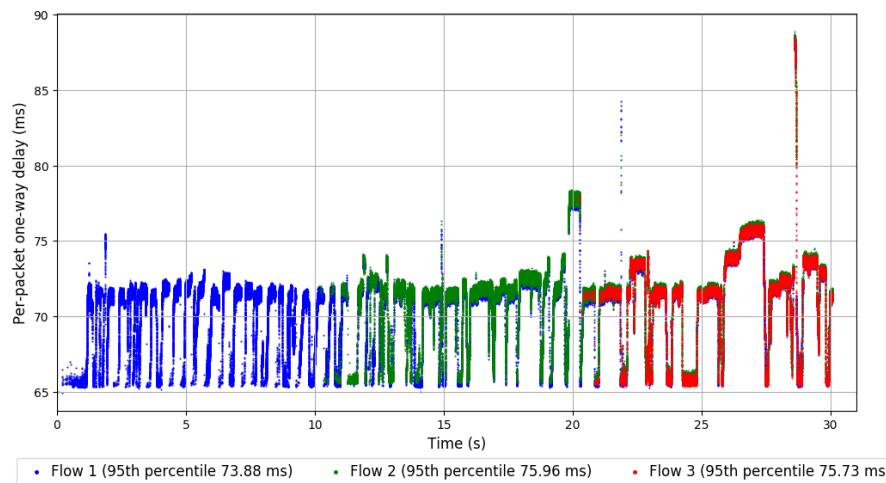
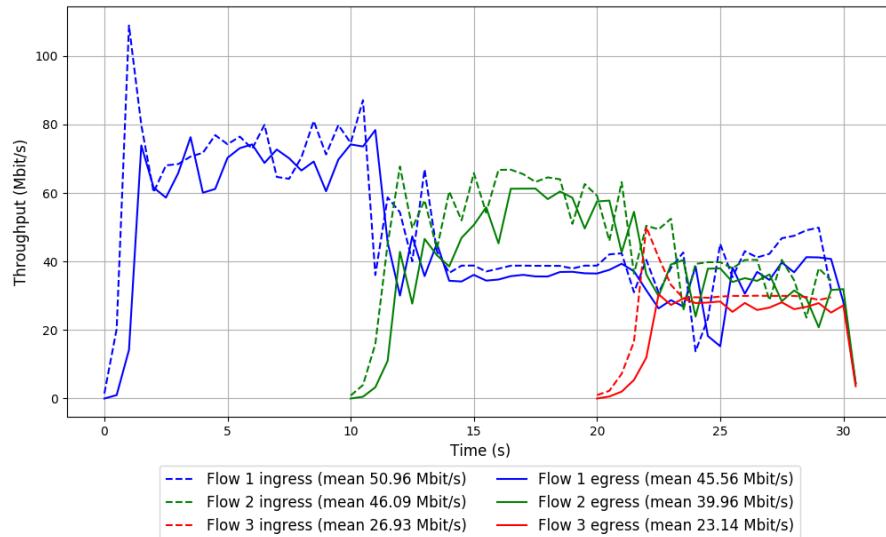


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-05 14:39:27
End at: 2018-06-05 14:39:58
Local clock offset: 7.088 ms
Remote clock offset: -3.433 ms

# Below is generated by plot.py at 2018-06-05 15:10:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.87 Mbit/s
95th percentile per-packet one-way delay: 75.530 ms
Loss rate: 11.84%
-- Flow 1:
Average throughput: 45.56 Mbit/s
95th percentile per-packet one-way delay: 73.879 ms
Loss rate: 10.57%
-- Flow 2:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 75.961 ms
Loss rate: 13.28%
-- Flow 3:
Average throughput: 23.14 Mbit/s
95th percentile per-packet one-way delay: 75.734 ms
Loss rate: 14.12%
```

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

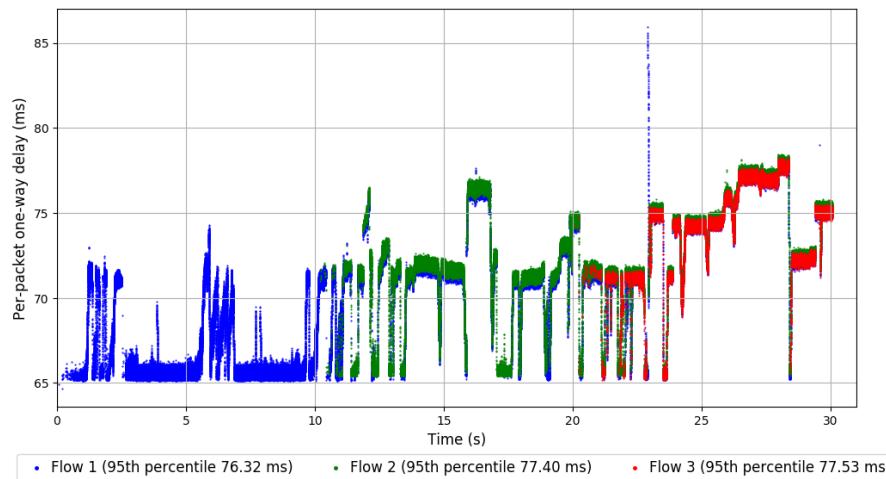
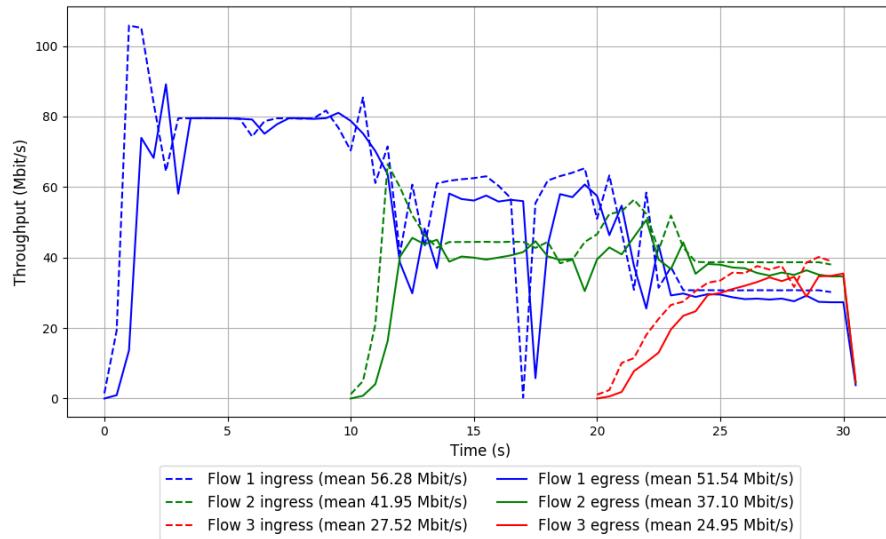


Run 10: Statistics of TCP BBR

```
Start at: 2018-06-05 15:01:33
End at: 2018-06-05 15:02:03
Local clock offset: 4.895 ms
Remote clock offset: -5.474 ms

# Below is generated by plot.py at 2018-06-05 15:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.55 Mbit/s
95th percentile per-packet one-way delay: 77.121 ms
Loss rate: 9.42%
-- Flow 1:
Average throughput: 51.54 Mbit/s
95th percentile per-packet one-way delay: 76.319 ms
Loss rate: 8.39%
-- Flow 2:
Average throughput: 37.10 Mbit/s
95th percentile per-packet one-way delay: 77.396 ms
Loss rate: 11.53%
-- Flow 3:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 77.531 ms
Loss rate: 9.35%
```

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

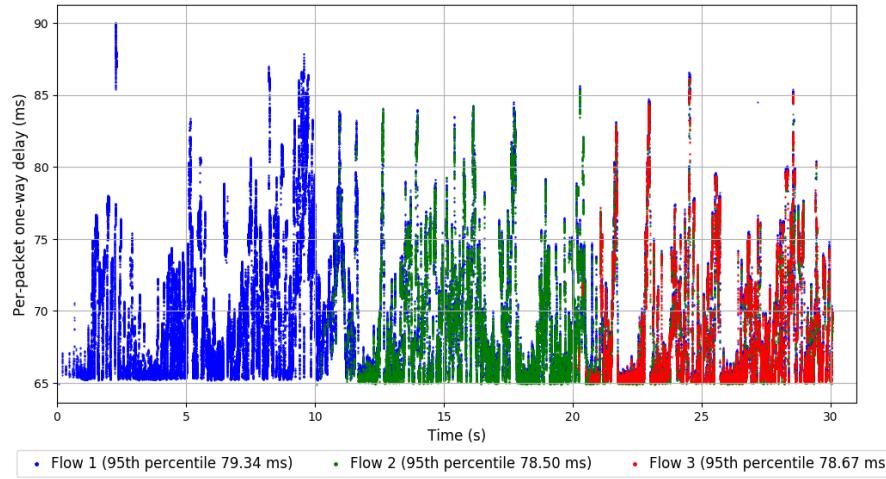
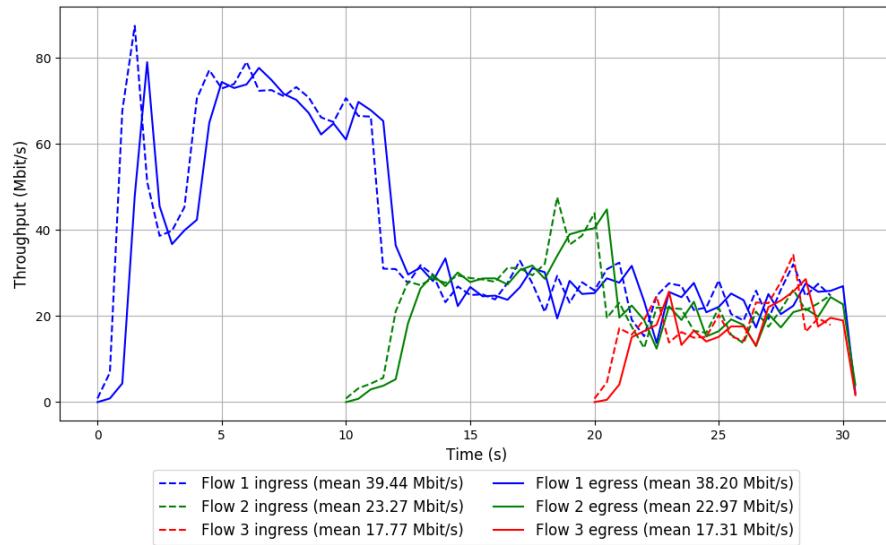


Run 1: Statistics of Copa

```
Start at: 2018-06-05 11:29:43
End at: 2018-06-05 11:30:13
Local clock offset: 7.631 ms
Remote clock offset: -5.82 ms

# Below is generated by plot.py at 2018-06-05 15:11:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 79.031 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 79.340 ms
Loss rate: 3.14%
-- Flow 2:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 78.500 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 17.31 Mbit/s
95th percentile per-packet one-way delay: 78.667 ms
Loss rate: 2.56%
```

## Run 1: Report of Copa — Data Link

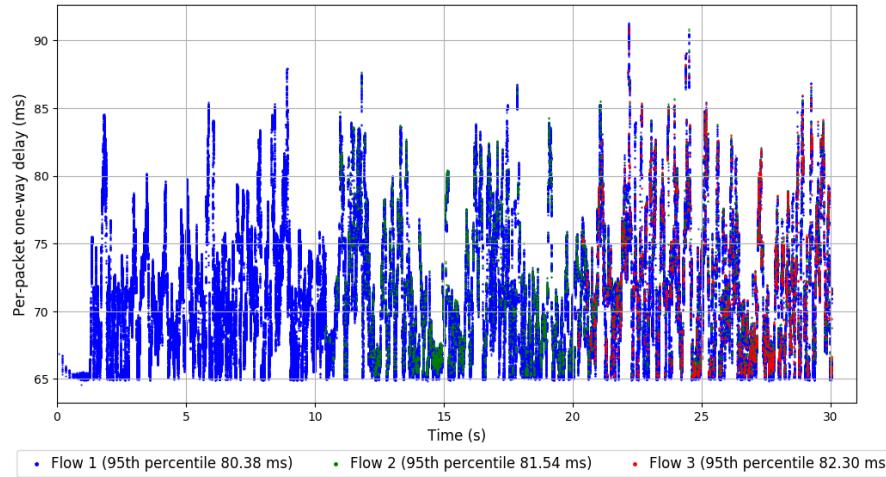
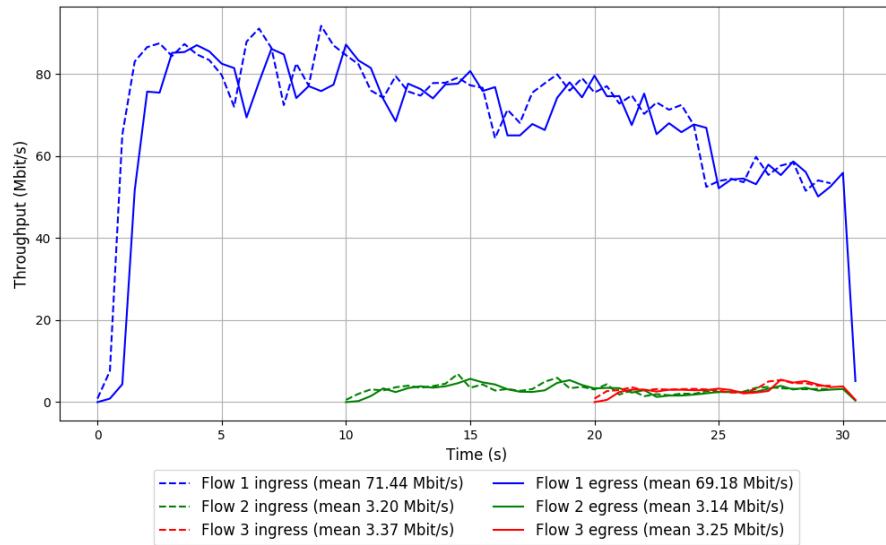


Run 2: Statistics of Copa

```
Start at: 2018-06-05 11:52:29
End at: 2018-06-05 11:52:59
Local clock offset: 7.801 ms
Remote clock offset: -4.788 ms

# Below is generated by plot.py at 2018-06-05 15:11:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.33 Mbit/s
95th percentile per-packet one-way delay: 80.481 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 69.18 Mbit/s
95th percentile per-packet one-way delay: 80.376 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 81.539 ms
Loss rate: 2.81%
-- Flow 3:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 82.299 ms
Loss rate: 3.55%
```

Run 2: Report of Copa — Data Link

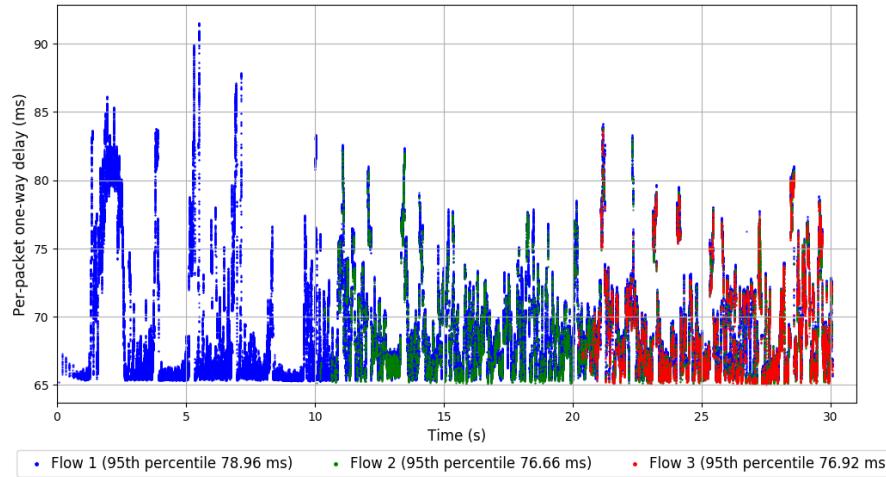
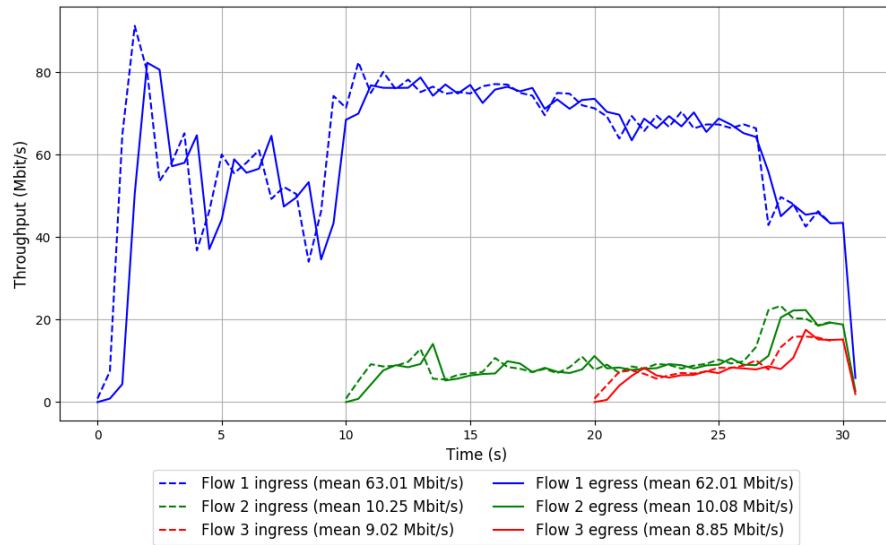


Run 3: Statistics of Copa

```
Start at: 2018-06-05 12:14:51
End at: 2018-06-05 12:15:21
Local clock offset: 6.673 ms
Remote clock offset: -4.433 ms

# Below is generated by plot.py at 2018-06-05 15:11:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.67 Mbit/s
95th percentile per-packet one-way delay: 78.548 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 62.01 Mbit/s
95th percentile per-packet one-way delay: 78.964 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 10.08 Mbit/s
95th percentile per-packet one-way delay: 76.661 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 76.921 ms
Loss rate: 1.89%
```

### Run 3: Report of Copa — Data Link

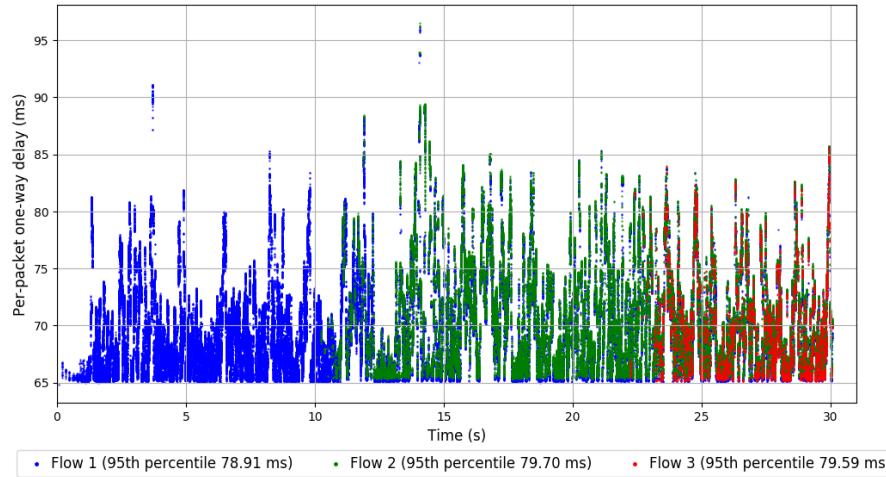
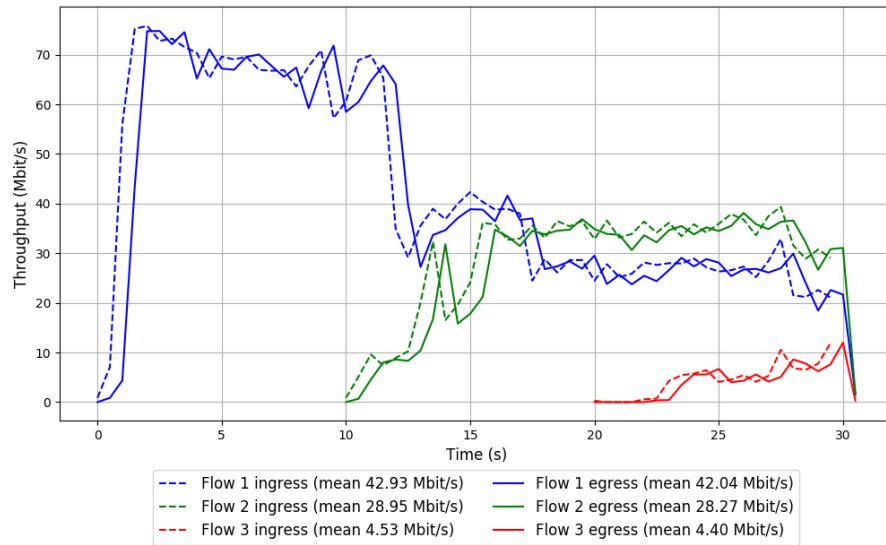


Run 4: Statistics of Copa

```
Start at: 2018-06-05 12:37:14
End at: 2018-06-05 12:37:44
Local clock offset: 5.251 ms
Remote clock offset: -5.626 ms

# Below is generated by plot.py at 2018-06-05 15:11:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.34 Mbit/s
95th percentile per-packet one-way delay: 79.188 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 42.04 Mbit/s
95th percentile per-packet one-way delay: 78.913 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 28.27 Mbit/s
95th percentile per-packet one-way delay: 79.696 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 79.595 ms
Loss rate: 3.01%
```

## Run 4: Report of Copa — Data Link

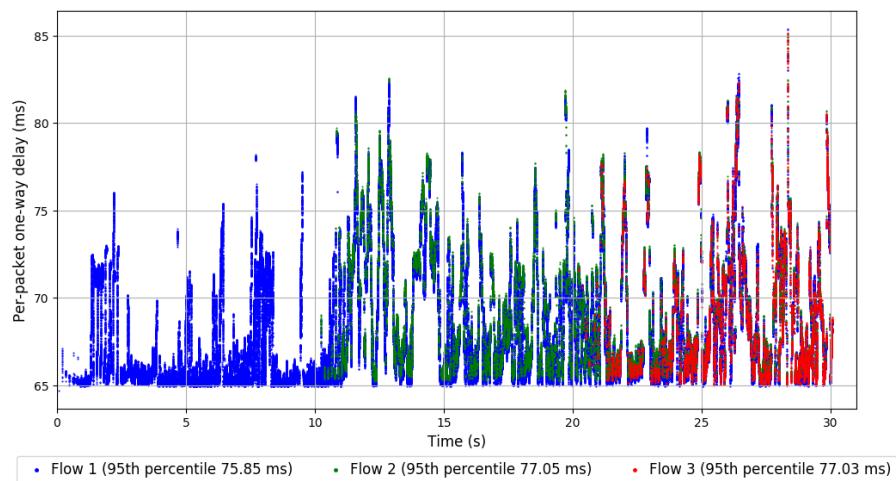
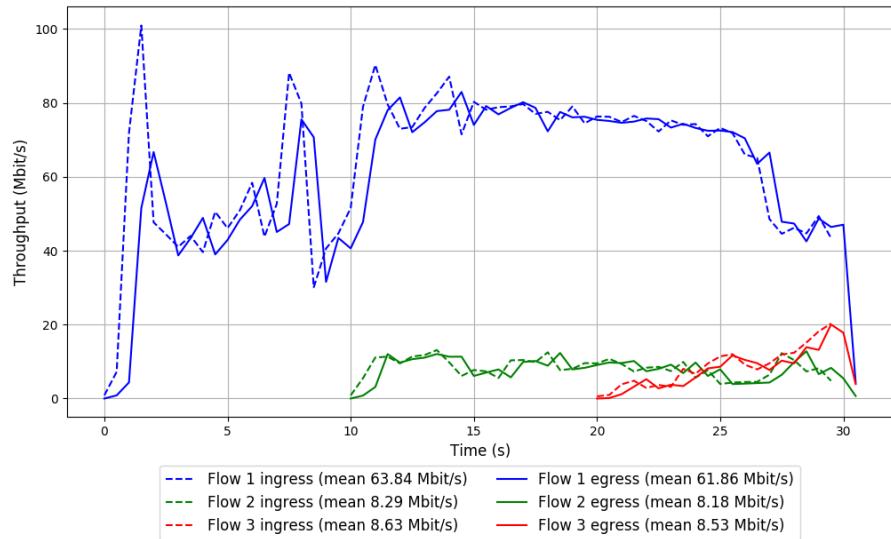


Run 5: Statistics of Copa

```
Start at: 2018-06-05 12:59:38
End at: 2018-06-05 13:00:08
Local clock offset: 5.471 ms
Remote clock offset: -5.523 ms

# Below is generated by plot.py at 2018-06-05 15:11:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.15 Mbit/s
95th percentile per-packet one-way delay: 76.062 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 61.86 Mbit/s
95th percentile per-packet one-way delay: 75.852 ms
Loss rate: 3.08%
-- Flow 2:
Average throughput: 8.18 Mbit/s
95th percentile per-packet one-way delay: 77.052 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 77.033 ms
Loss rate: 1.18%
```

## Run 5: Report of Copa — Data Link

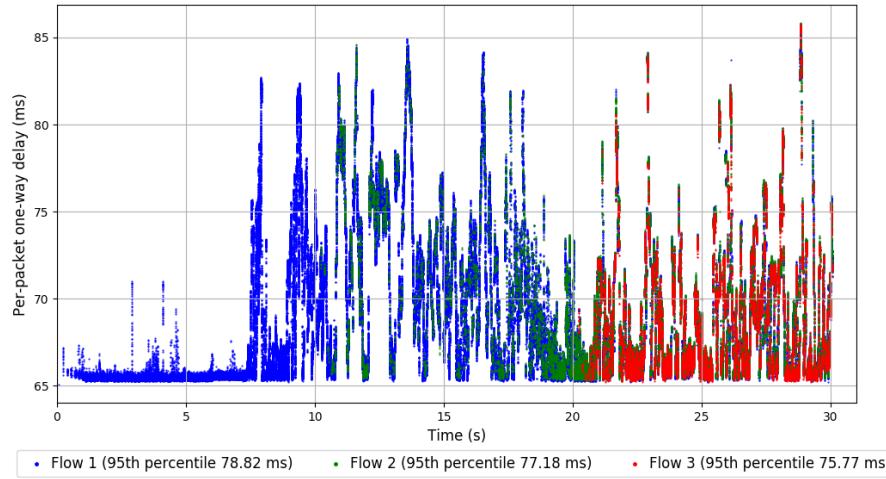
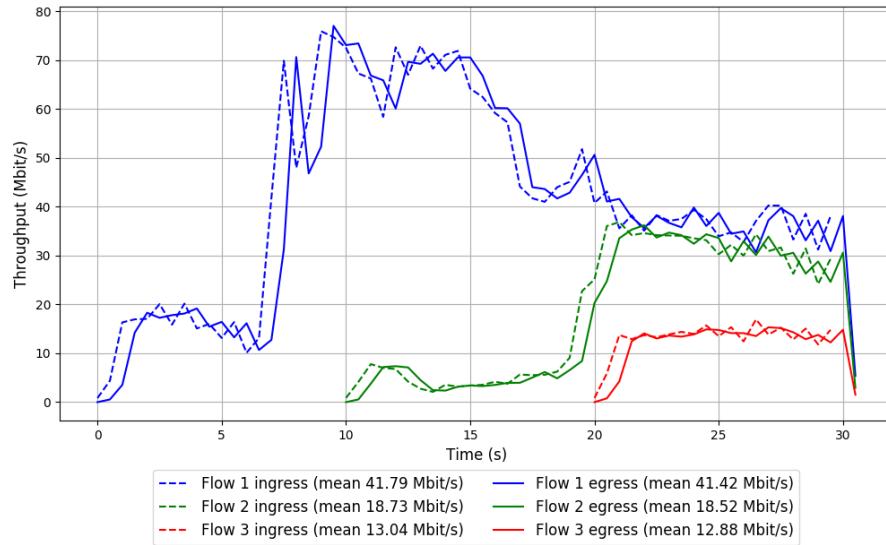


Run 6: Statistics of Copa

```
Start at: 2018-06-05 13:21:45
End at: 2018-06-05 13:22:15
Local clock offset: 4.416 ms
Remote clock offset: -5.876 ms

# Below is generated by plot.py at 2018-06-05 15:11:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.05 Mbit/s
95th percentile per-packet one-way delay: 78.361 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 41.42 Mbit/s
95th percentile per-packet one-way delay: 78.820 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 77.176 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 75.773 ms
Loss rate: 1.21%
```

## Run 6: Report of Copa — Data Link

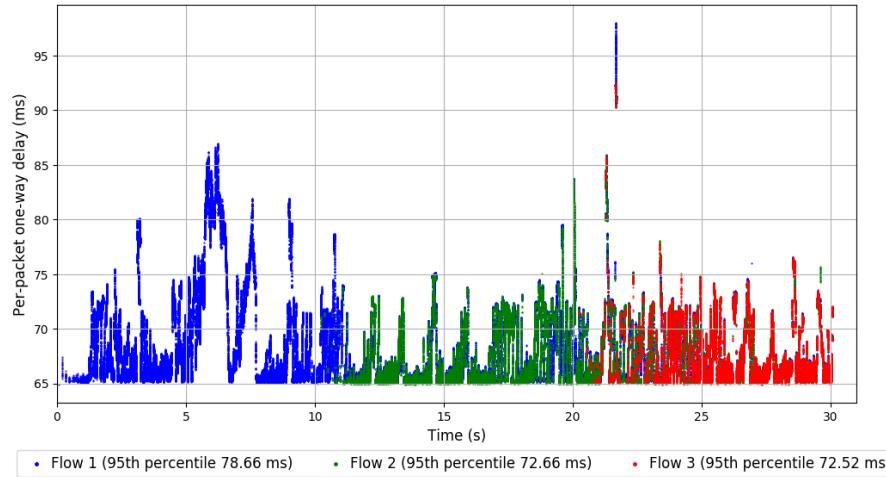
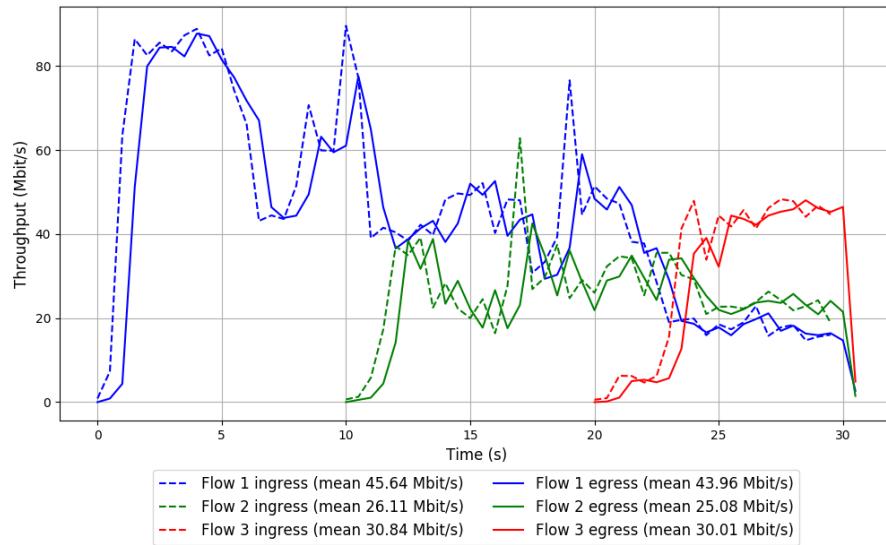


Run 7: Statistics of Copa

```
Start at: 2018-06-05 13:44:27
End at: 2018-06-05 13:44:57
Local clock offset: 4.078 ms
Remote clock offset: -5.92 ms

# Below is generated by plot.py at 2018-06-05 15:12:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.64 Mbit/s
95th percentile per-packet one-way delay: 75.726 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 43.96 Mbit/s
95th percentile per-packet one-way delay: 78.658 ms
Loss rate: 3.65%
-- Flow 2:
Average throughput: 25.08 Mbit/s
95th percentile per-packet one-way delay: 72.662 ms
Loss rate: 3.89%
-- Flow 3:
Average throughput: 30.01 Mbit/s
95th percentile per-packet one-way delay: 72.520 ms
Loss rate: 2.72%
```

## Run 7: Report of Copa — Data Link

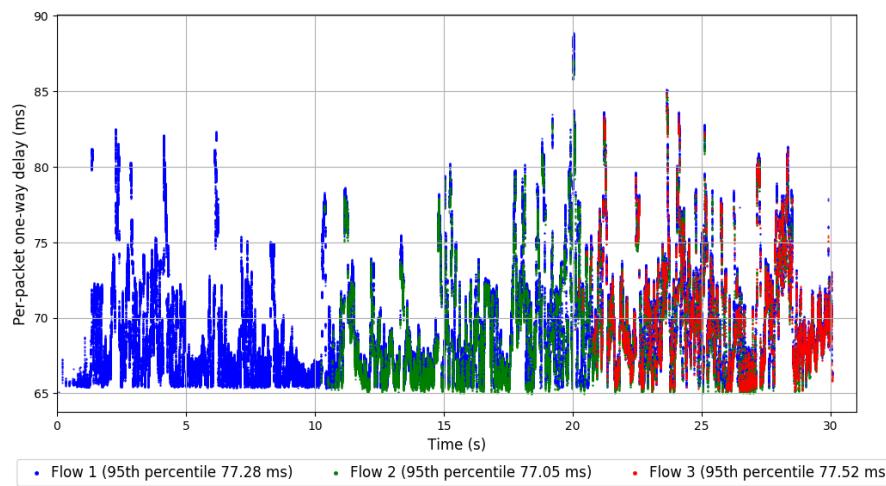
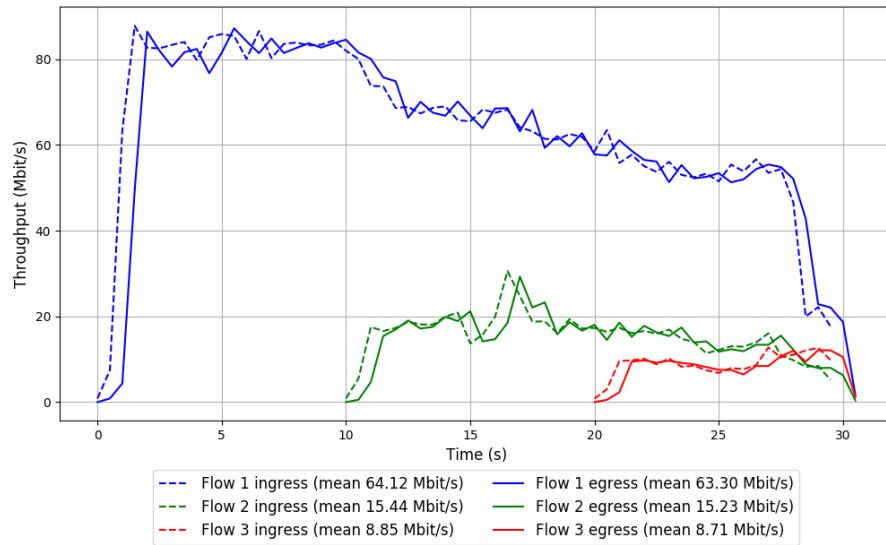


Run 8: Statistics of Copa

```
Start at: 2018-06-05 14:06:29
End at: 2018-06-05 14:06:59
Local clock offset: 3.842 ms
Remote clock offset: -3.028 ms

# Below is generated by plot.py at 2018-06-05 15:12:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.33 Mbit/s
95th percentile per-packet one-way delay: 77.261 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 63.30 Mbit/s
95th percentile per-packet one-way delay: 77.276 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 15.23 Mbit/s
95th percentile per-packet one-way delay: 77.051 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 8.71 Mbit/s
95th percentile per-packet one-way delay: 77.519 ms
Loss rate: 1.60%
```

Run 8: Report of Copa — Data Link

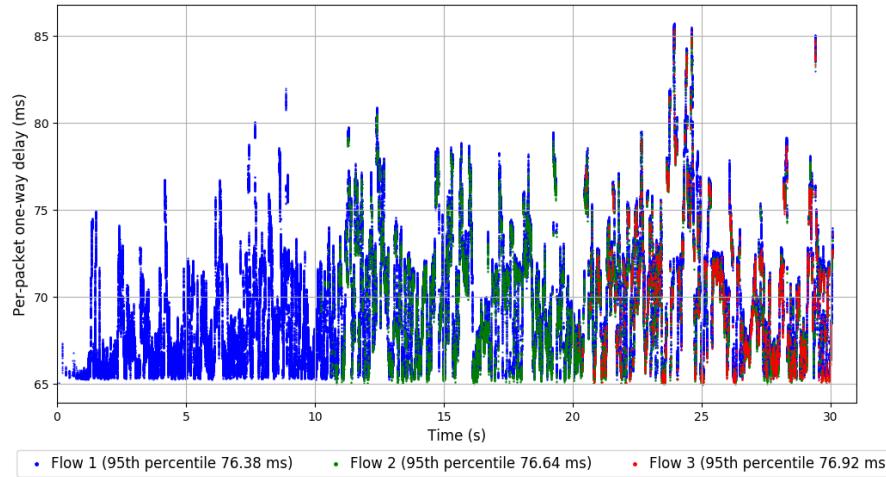
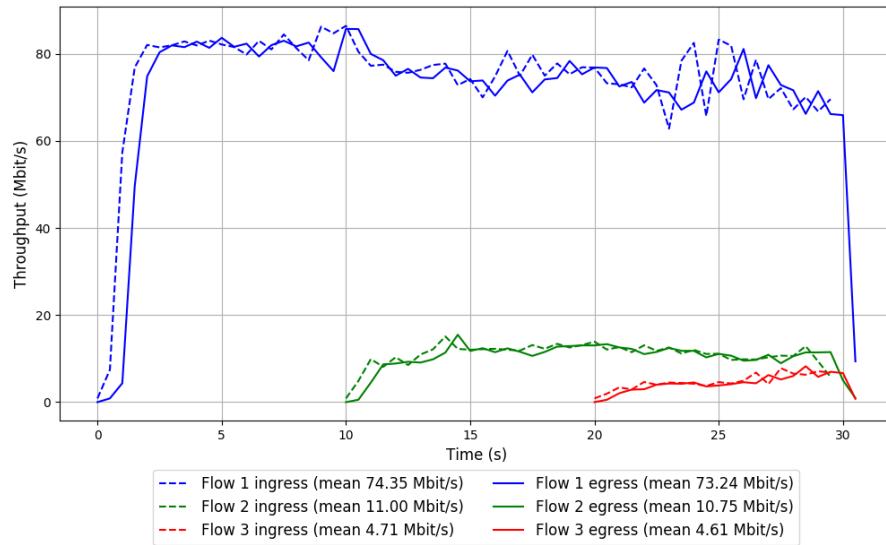


Run 9: Statistics of Copa

```
Start at: 2018-06-05 14:28:22
End at: 2018-06-05 14:28:52
Local clock offset: 6.591 ms
Remote clock offset: -0.719 ms

# Below is generated by plot.py at 2018-06-05 15:13:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.93 Mbit/s
95th percentile per-packet one-way delay: 76.413 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 73.24 Mbit/s
95th percentile per-packet one-way delay: 76.384 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 10.75 Mbit/s
95th percentile per-packet one-way delay: 76.636 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 4.61 Mbit/s
95th percentile per-packet one-way delay: 76.922 ms
Loss rate: 2.15%
```

Run 9: Report of Copa — Data Link

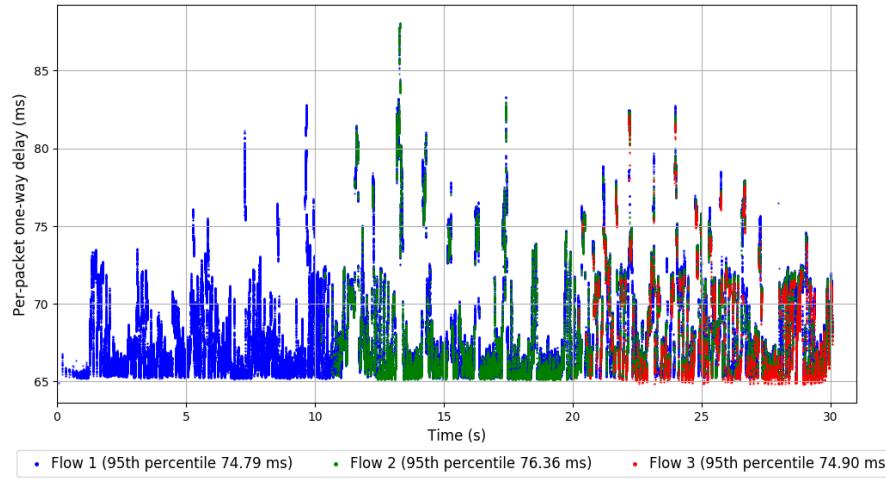
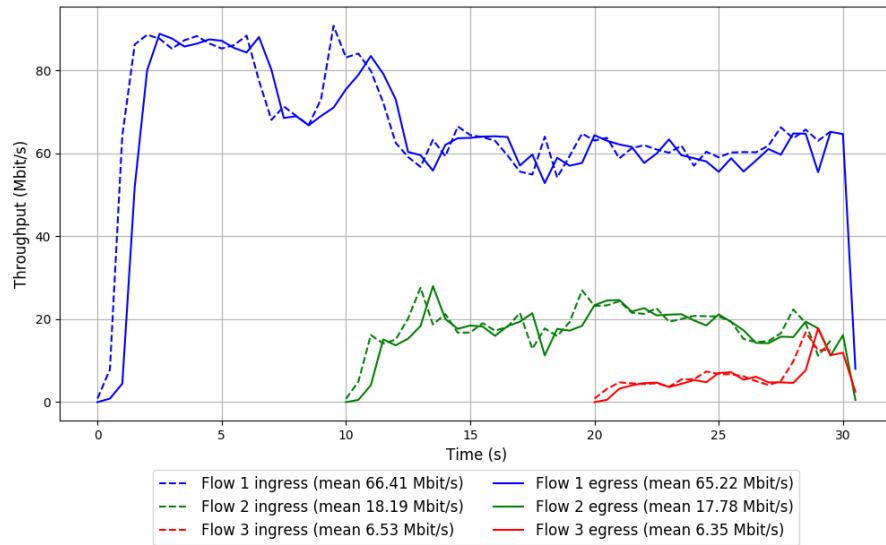


Run 10: Statistics of Copa

```
Start at: 2018-06-05 14:50:24
End at: 2018-06-05 14:50:54
Local clock offset: 5.537 ms
Remote clock offset: -5.081 ms

# Below is generated by plot.py at 2018-06-05 15:13:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.18 Mbit/s
95th percentile per-packet one-way delay: 75.024 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 65.22 Mbit/s
95th percentile per-packet one-way delay: 74.793 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 17.78 Mbit/s
95th percentile per-packet one-way delay: 76.360 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 74.897 ms
Loss rate: 2.76%
```

Run 10: Report of Copa — Data Link

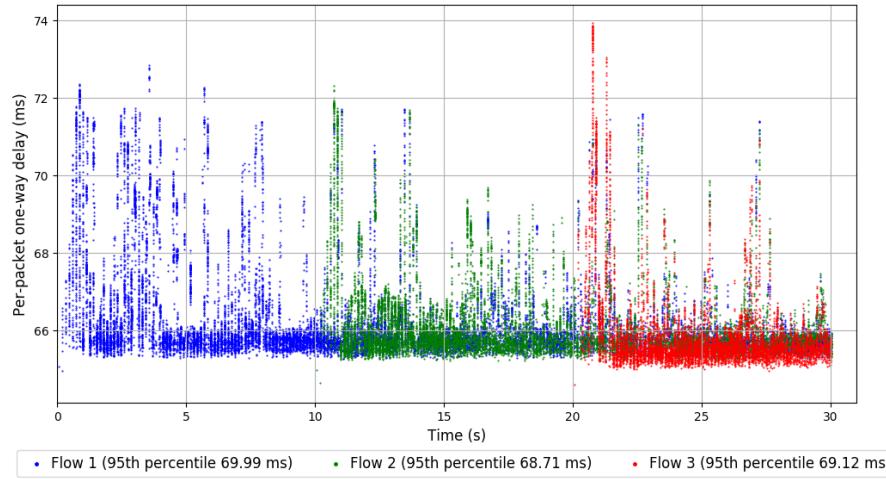
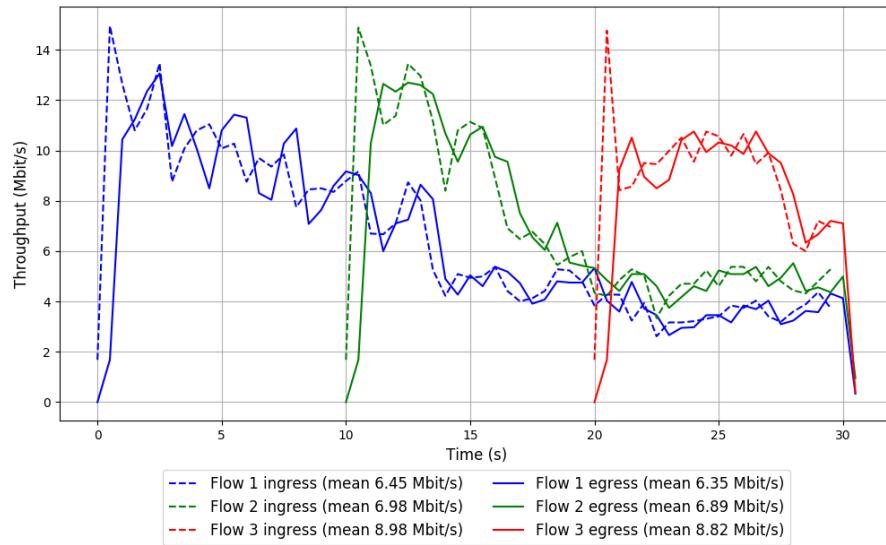


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-06-05 11:42:18
End at: 2018-06-05 11:42:48
Local clock offset: 7.734 ms
Remote clock offset: -5.366 ms

# Below is generated by plot.py at 2018-06-05 15:13:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.86 Mbit/s
95th percentile per-packet one-way delay: 69.427 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 69.989 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 68.713 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 8.82 Mbit/s
95th percentile per-packet one-way delay: 69.117 ms
Loss rate: 1.76%
```

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

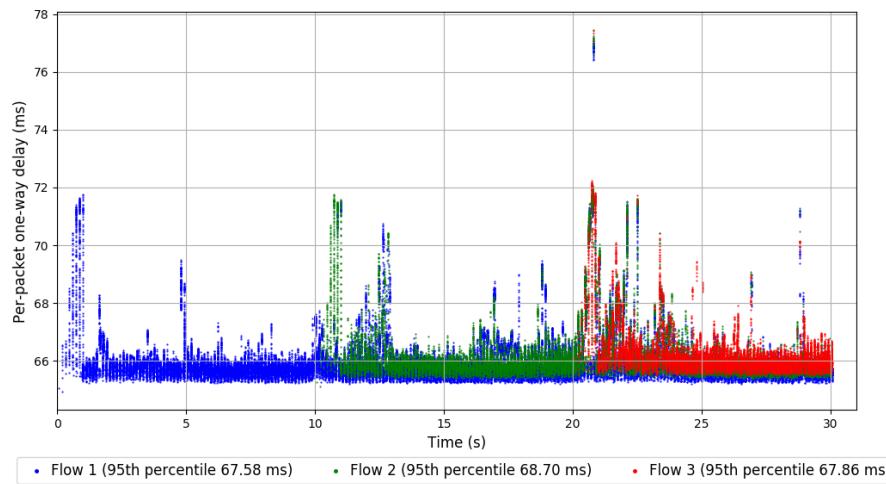
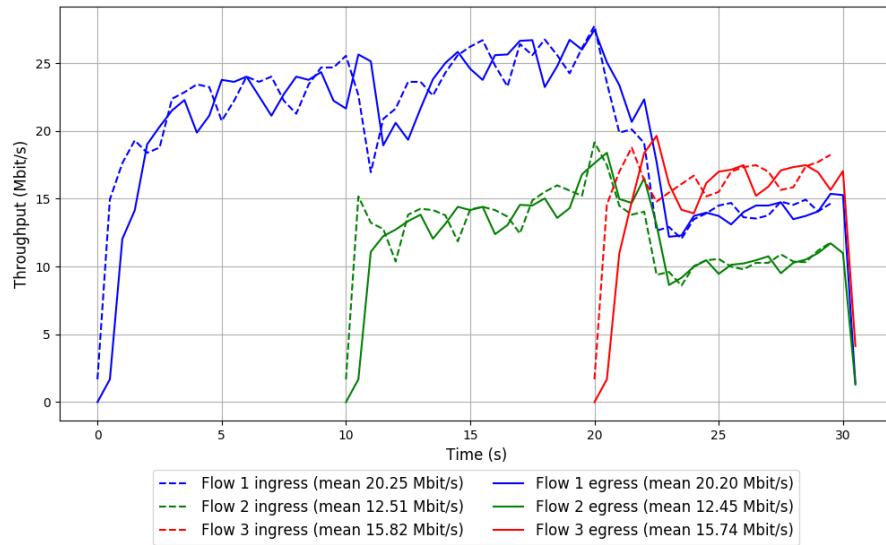


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-05 12:05:20
End at: 2018-06-05 12:05:50
Local clock offset: 7.549 ms
Remote clock offset: -4.492 ms

# Below is generated by plot.py at 2018-06-05 15:13:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 67.920 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 67.575 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 12.45 Mbit/s
95th percentile per-packet one-way delay: 68.701 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 67.860 ms
Loss rate: 0.49%
```

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

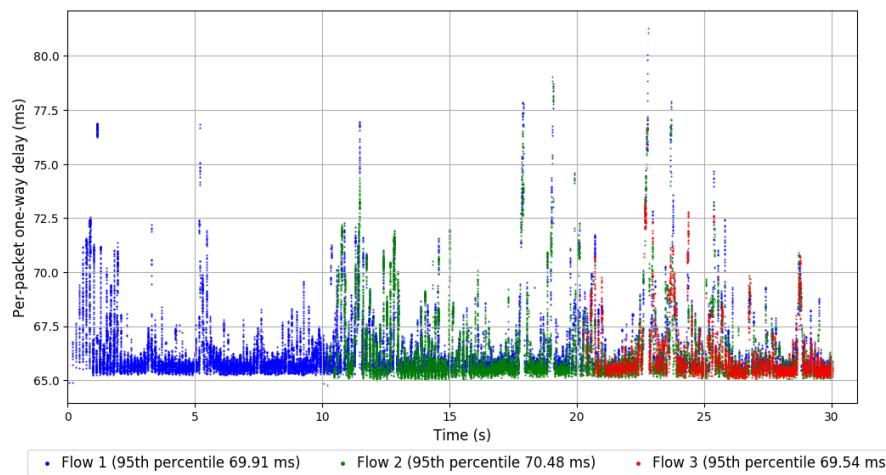
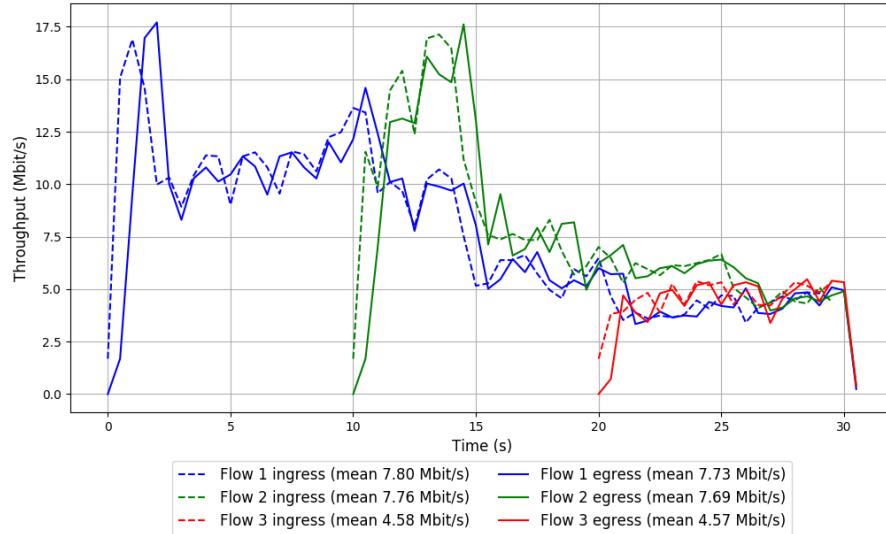


Run 3: Statistics of TCP Cubic

```
Start at: 2018-06-05 12:27:35
End at: 2018-06-05 12:28:05
Local clock offset: 5.609 ms
Remote clock offset: -5.356 ms

# Below is generated by plot.py at 2018-06-05 15:13:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.36 Mbit/s
95th percentile per-packet one-way delay: 70.236 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 7.73 Mbit/s
95th percentile per-packet one-way delay: 69.908 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 70.482 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 69.540 ms
Loss rate: 0.11%
```

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

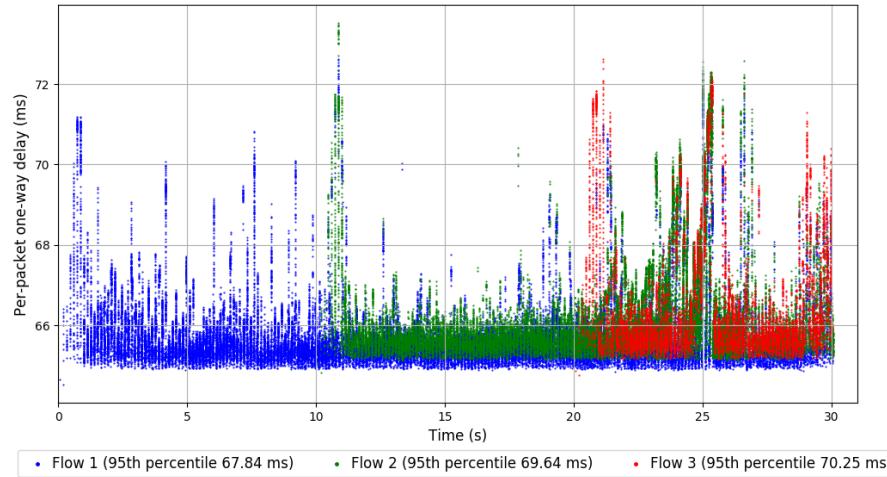
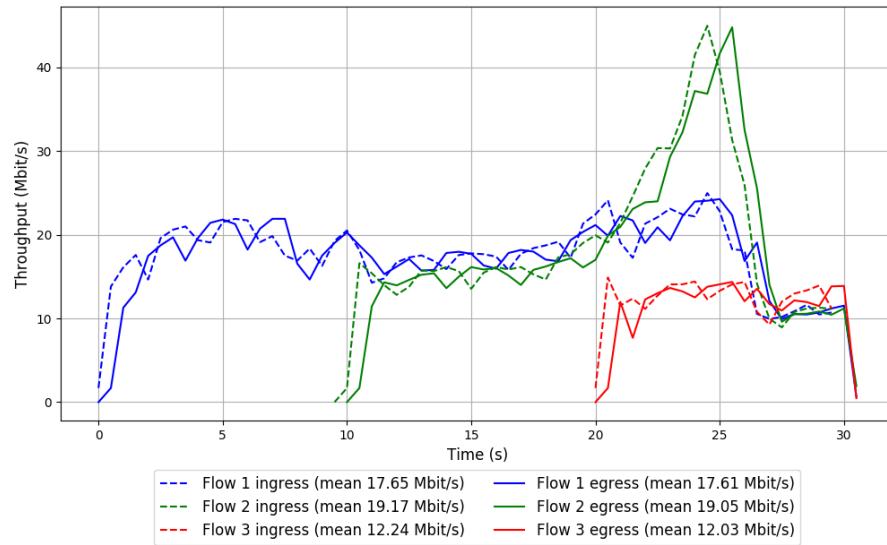


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-05 12:50:02
End at: 2018-06-05 12:50:32
Local clock offset: 5.551 ms
Remote clock offset: -5.495 ms

# Below is generated by plot.py at 2018-06-05 15:13:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.32 Mbit/s
95th percentile per-packet one-way delay: 69.054 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 17.61 Mbit/s
95th percentile per-packet one-way delay: 67.836 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 19.05 Mbit/s
95th percentile per-packet one-way delay: 69.640 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 70.253 ms
Loss rate: 1.70%
```

Run 4: Report of TCP Cubic — Data Link

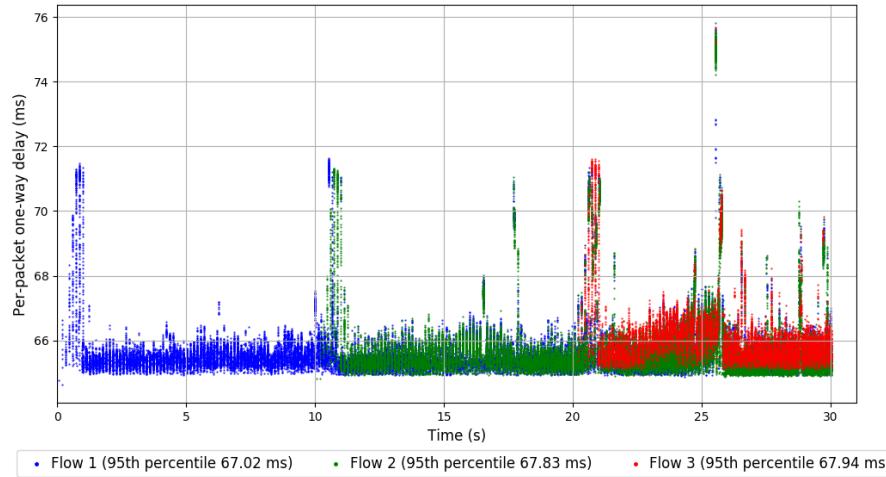
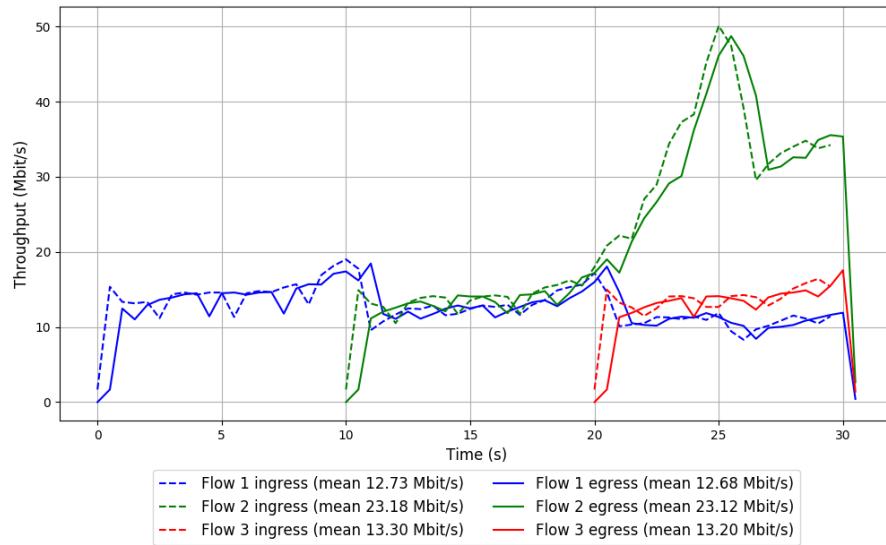


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-05 13:12:12
End at: 2018-06-05 13:12:42
Local clock offset: 5.065 ms
Remote clock offset: -5.658 ms

# Below is generated by plot.py at 2018-06-05 15:13:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 67.425 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 67.018 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 23.12 Mbit/s
95th percentile per-packet one-way delay: 67.832 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 13.20 Mbit/s
95th percentile per-packet one-way delay: 67.944 ms
Loss rate: 0.73%
```

Run 5: Report of TCP Cubic — Data Link

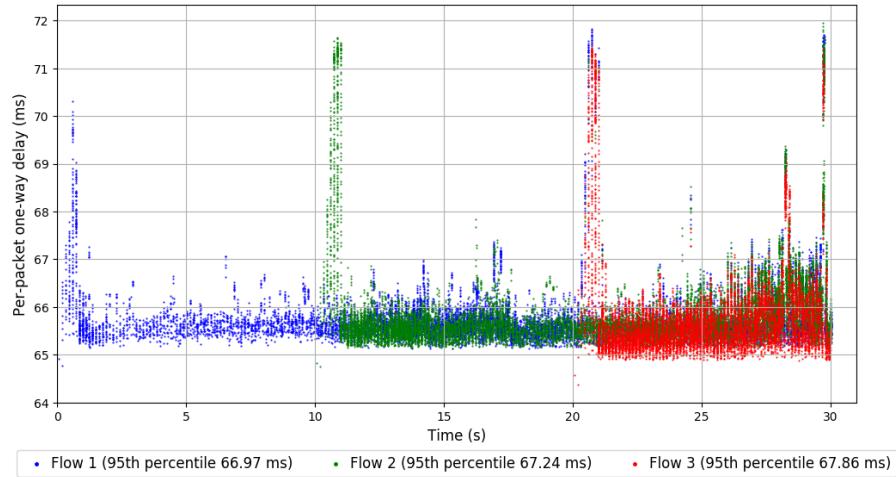
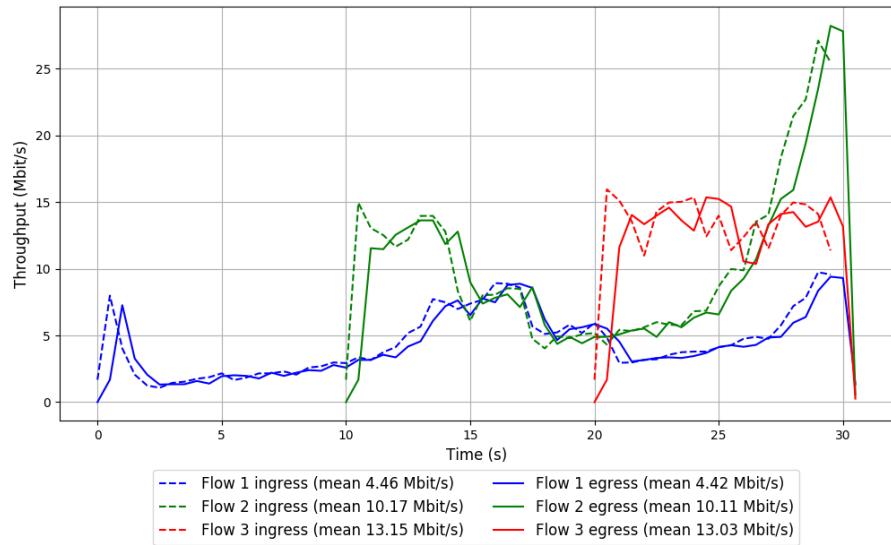


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-05 13:34:17
End at: 2018-06-05 13:34:47
Local clock offset: 4.309 ms
Remote clock offset: -5.672 ms

# Below is generated by plot.py at 2018-06-05 15:13:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 67.164 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 66.966 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 10.11 Mbit/s
95th percentile per-packet one-way delay: 67.243 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 67.858 ms
Loss rate: 0.92%
```

Run 6: Report of TCP Cubic — Data Link

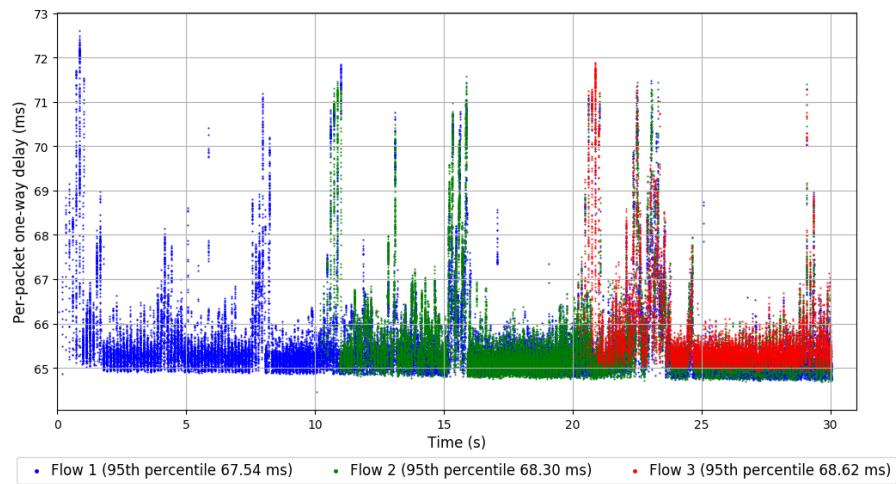
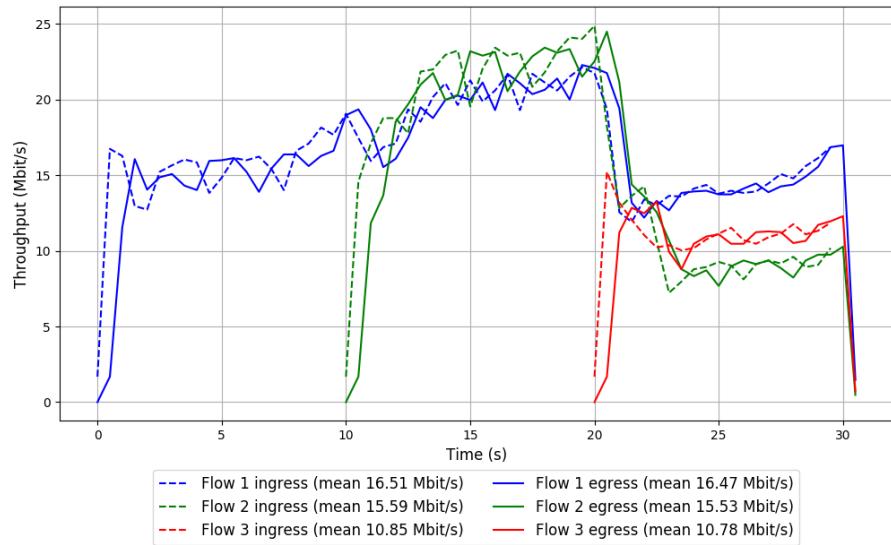


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-05 13:57:00
End at: 2018-06-05 13:57:30
Local clock offset: 4.127 ms
Remote clock offset: -5.872 ms

# Below is generated by plot.py at 2018-06-05 15:13:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: 67.954 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 16.47 Mbit/s
95th percentile per-packet one-way delay: 67.543 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 15.53 Mbit/s
95th percentile per-packet one-way delay: 68.297 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 10.78 Mbit/s
95th percentile per-packet one-way delay: 68.624 ms
Loss rate: 0.65%
```

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

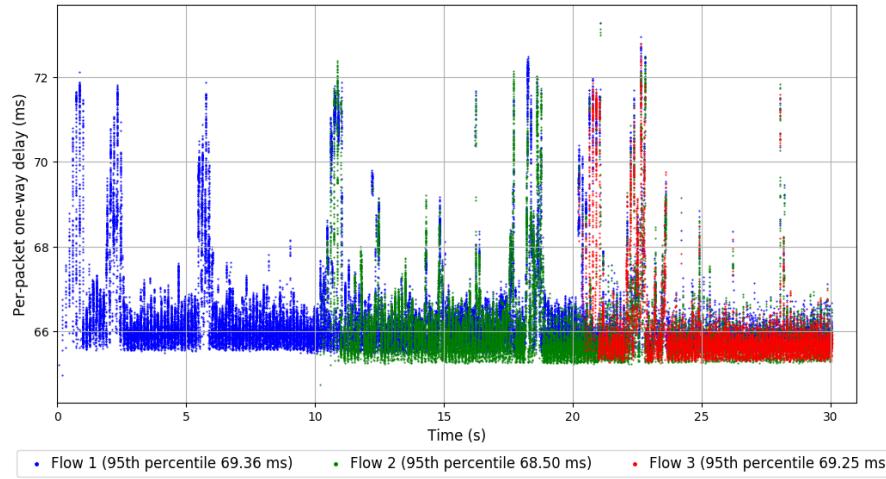
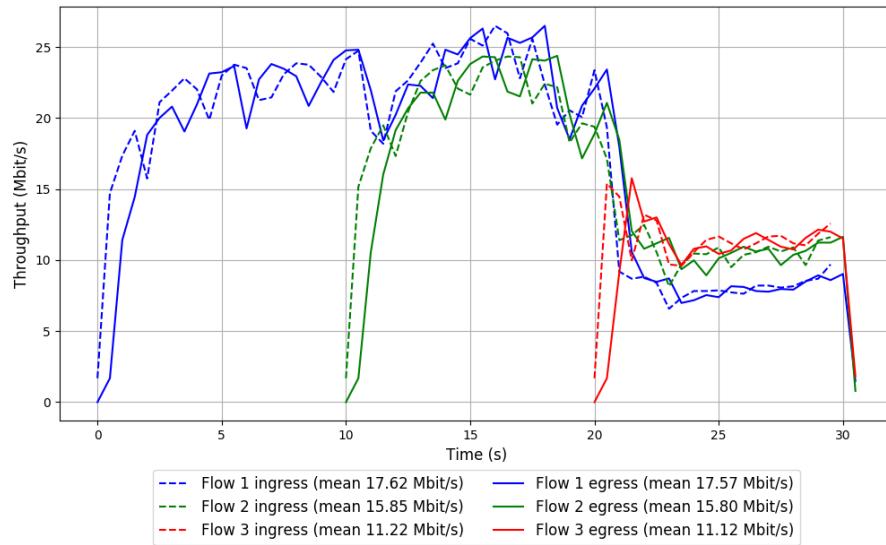


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-05 14:18:53
End at: 2018-06-05 14:19:23
Local clock offset: 5.667 ms
Remote clock offset: -1.262 ms

# Below is generated by plot.py at 2018-06-05 15:13:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 69.052 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 17.57 Mbit/s
95th percentile per-packet one-way delay: 69.365 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 15.80 Mbit/s
95th percentile per-packet one-way delay: 68.496 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 69.253 ms
Loss rate: 0.91%
```

Run 8: Report of TCP Cubic — Data Link

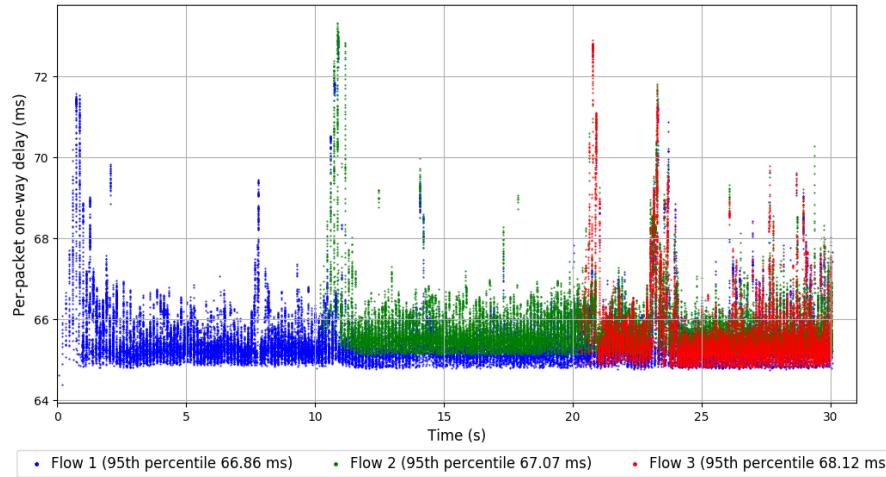
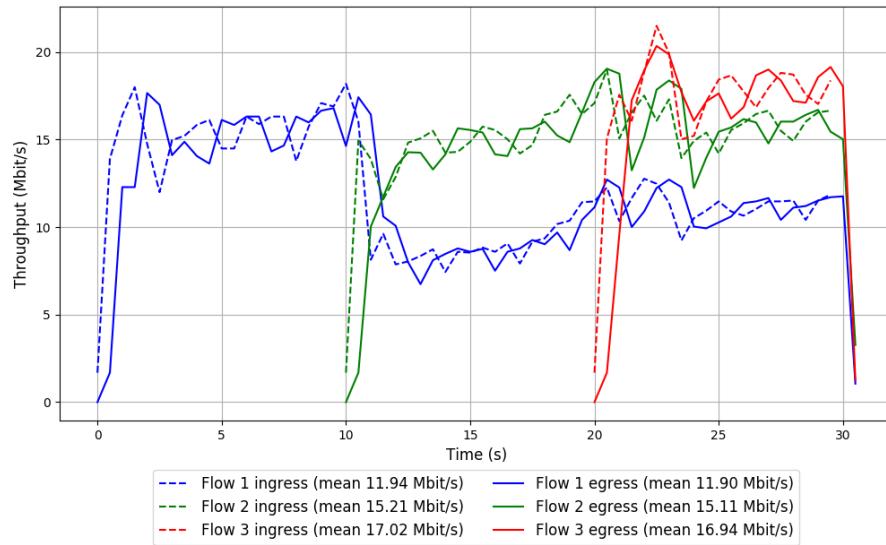


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-05 14:40:51
End at: 2018-06-05 14:41:21
Local clock offset: 7.064 ms
Remote clock offset: -3.868 ms

# Below is generated by plot.py at 2018-06-05 15:13:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 67.202 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 11.90 Mbit/s
95th percentile per-packet one-way delay: 66.858 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 67.070 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 68.123 ms
Loss rate: 0.46%
```

Run 9: Report of TCP Cubic — Data Link

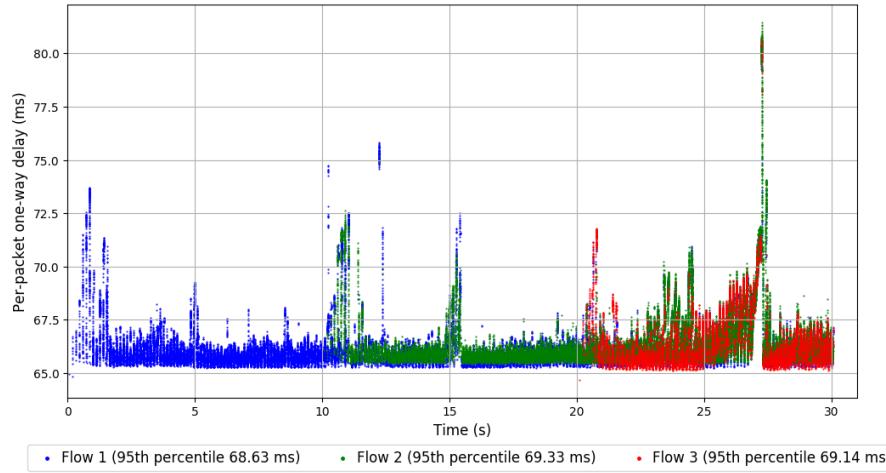
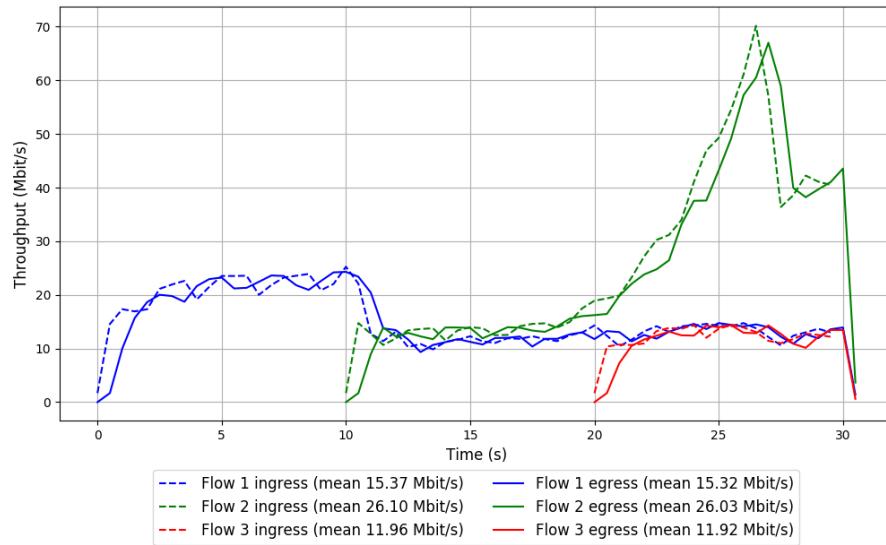


Run 10: Statistics of TCP Cubic

```
Start at: 2018-06-05 15:02:58
End at: 2018-06-05 15:03:28
Local clock offset: 4.803 ms
Remote clock offset: -5.5 ms

# Below is generated by plot.py at 2018-06-05 15:13:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.63 Mbit/s
95th percentile per-packet one-way delay: 69.095 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 15.32 Mbit/s
95th percentile per-packet one-way delay: 68.632 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 26.03 Mbit/s
95th percentile per-packet one-way delay: 69.329 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 69.135 ms
Loss rate: 0.27%
```

Run 10: Report of TCP Cubic — Data Link

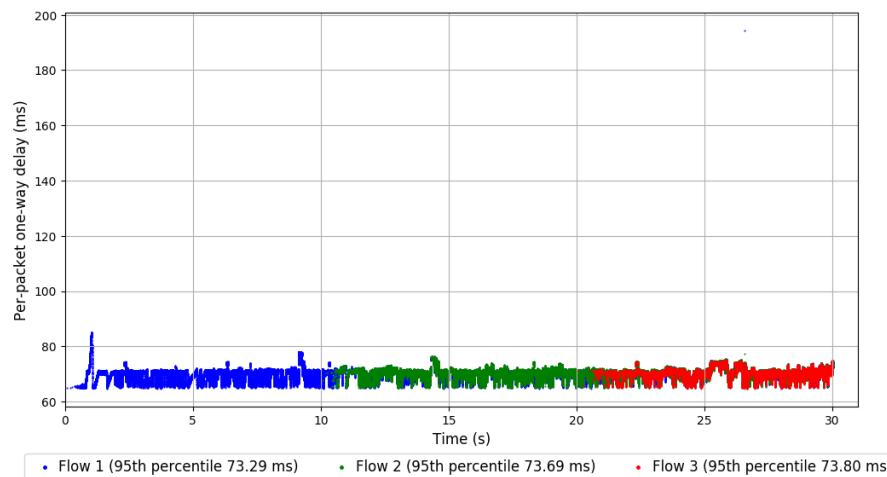
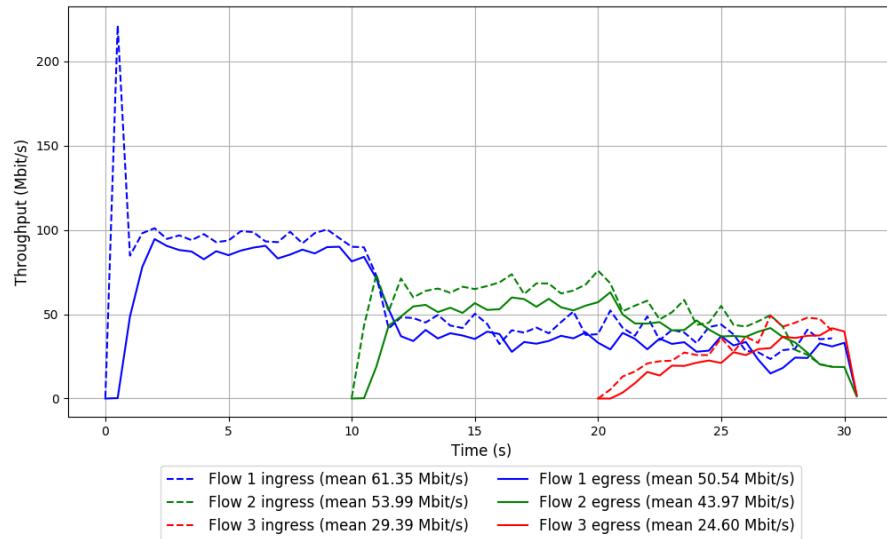


```
Run 1: Statistics of FillP
```

```
Start at: 2018-06-05 11:24:15
End at: 2018-06-05 11:24:45
Local clock offset: 7.526 ms
Remote clock offset: -5.778 ms

# Below is generated by plot.py at 2018-06-05 15:13:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 73.577 ms
Loss rate: 17.79%
-- Flow 1:
Average throughput: 50.54 Mbit/s
95th percentile per-packet one-way delay: 73.288 ms
Loss rate: 17.59%
-- Flow 2:
Average throughput: 43.97 Mbit/s
95th percentile per-packet one-way delay: 73.688 ms
Loss rate: 18.53%
-- Flow 3:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 73.804 ms
Loss rate: 16.27%
```

Run 1: Report of FillP — Data Link

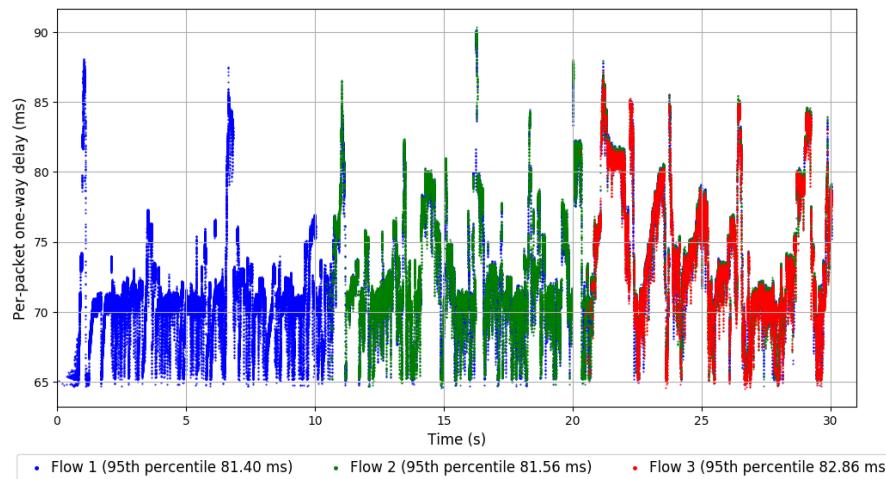
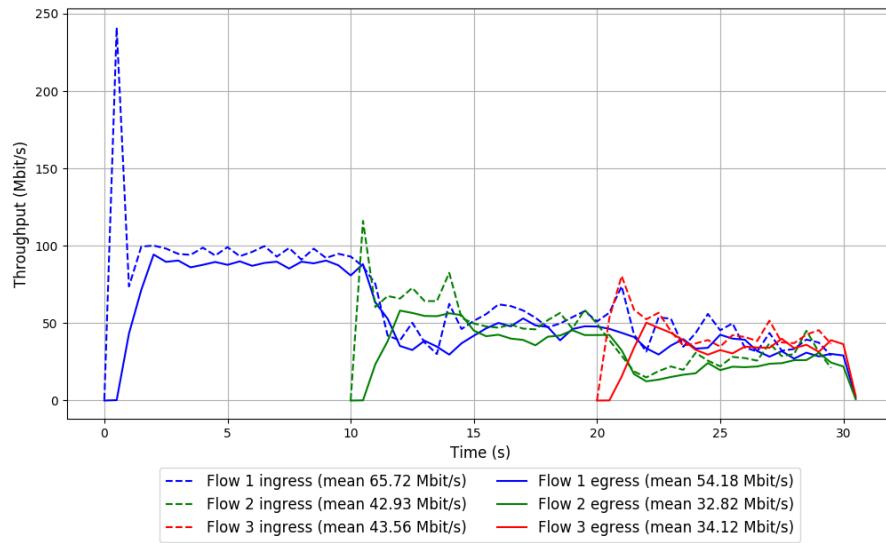


Run 2: Statistics of FillP

```
Start at: 2018-06-05 11:46:23
End at: 2018-06-05 11:46:53
Local clock offset: 7.702 ms
Remote clock offset: -5.047 ms

# Below is generated by plot.py at 2018-06-05 15:13:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.35 Mbit/s
95th percentile per-packet one-way delay: 81.574 ms
Loss rate: 19.66%
-- Flow 1:
Average throughput: 54.18 Mbit/s
95th percentile per-packet one-way delay: 81.396 ms
Loss rate: 17.53%
-- Flow 2:
Average throughput: 32.82 Mbit/s
95th percentile per-packet one-way delay: 81.557 ms
Loss rate: 23.53%
-- Flow 3:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 82.863 ms
Loss rate: 21.68%
```

## Run 2: Report of FillP — Data Link

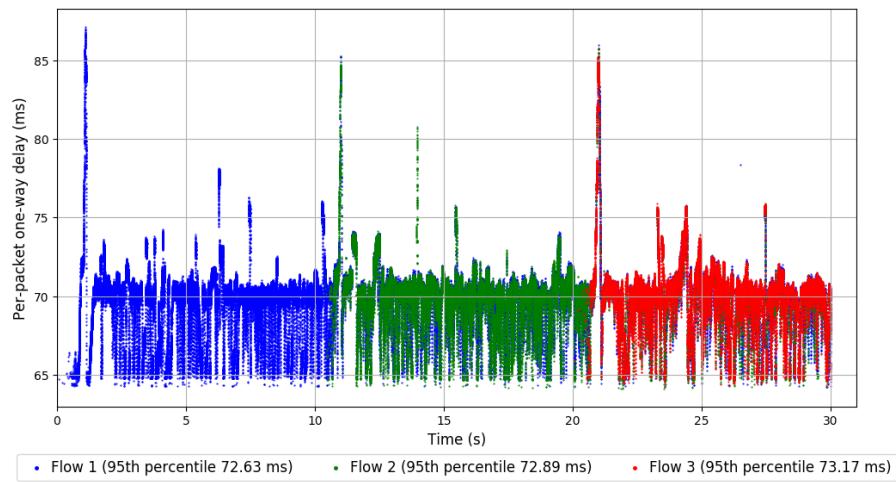
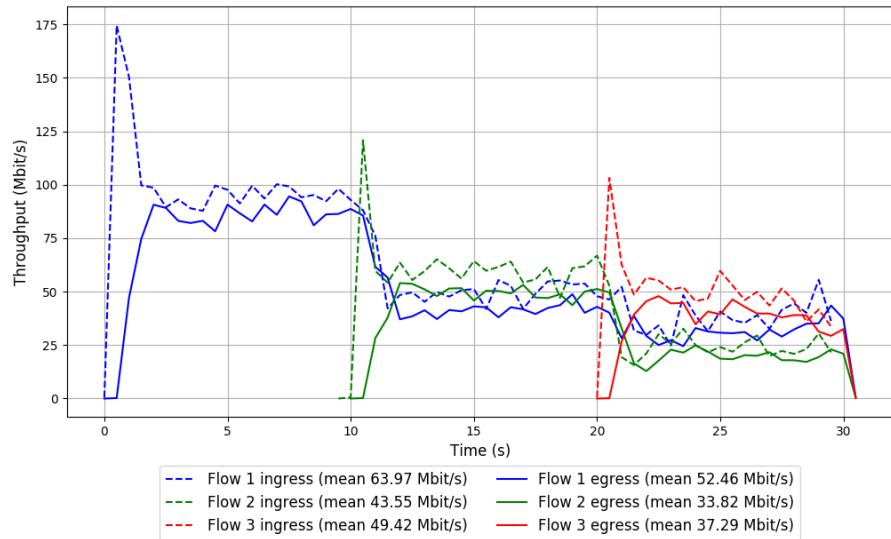


Run 3: Statistics of FillP

```
Start at: 2018-06-05 12:09:22
End at: 2018-06-05 12:09:52
Local clock offset: 7.91 ms
Remote clock offset: -4.477 ms

# Below is generated by plot.py at 2018-06-05 15:13:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 72.777 ms
Loss rate: 20.14%
-- Flow 1:
Average throughput: 52.46 Mbit/s
95th percentile per-packet one-way delay: 72.630 ms
Loss rate: 18.00%
-- Flow 2:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 72.890 ms
Loss rate: 22.35%
-- Flow 3:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: 73.169 ms
Loss rate: 24.55%
```

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

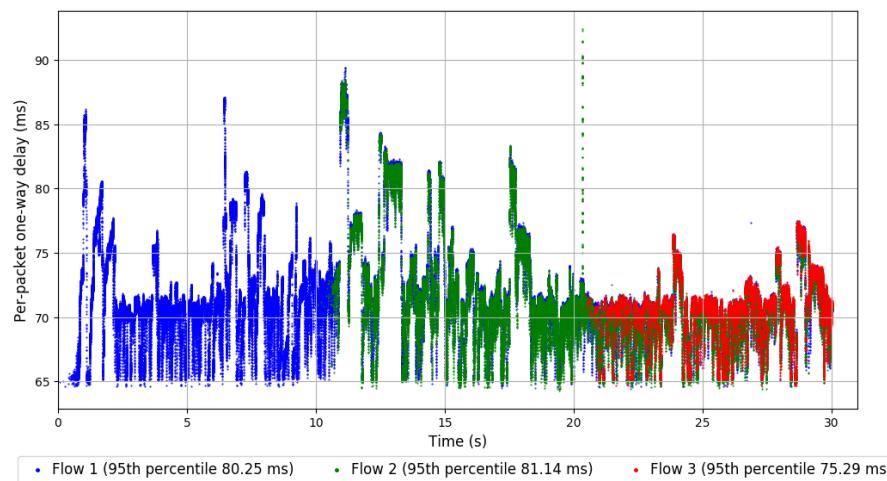
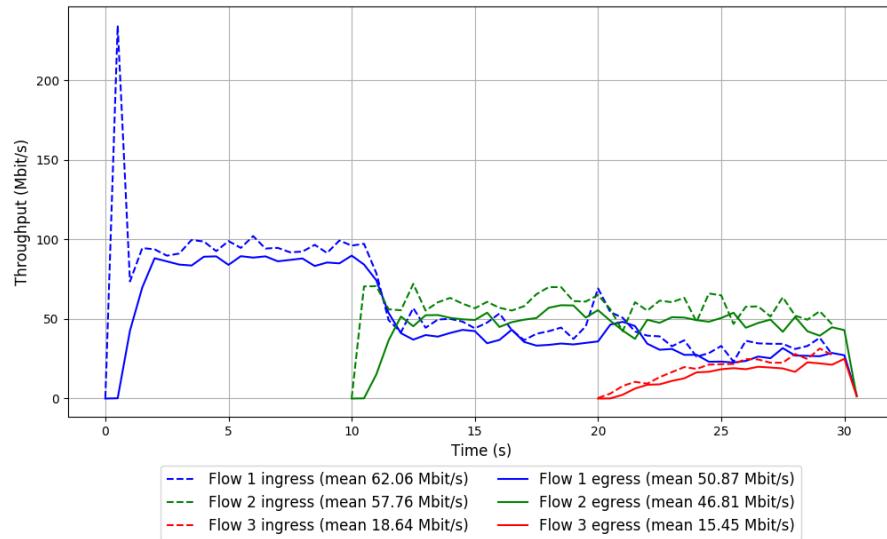


Run 4: Statistics of FillP

```
Start at: 2018-06-05 12:31:45
End at: 2018-06-05 12:32:15
Local clock offset: 5.523 ms
Remote clock offset: -5.481 ms

# Below is generated by plot.py at 2018-06-05 15:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.15 Mbit/s
95th percentile per-packet one-way delay: 80.529 ms
Loss rate: 18.31%
-- Flow 1:
Average throughput: 50.87 Mbit/s
95th percentile per-packet one-way delay: 80.252 ms
Loss rate: 18.02%
-- Flow 2:
Average throughput: 46.81 Mbit/s
95th percentile per-packet one-way delay: 81.143 ms
Loss rate: 18.96%
-- Flow 3:
Average throughput: 15.45 Mbit/s
95th percentile per-packet one-way delay: 75.293 ms
Loss rate: 17.11%
```

Run 4: Report of FillP — Data Link

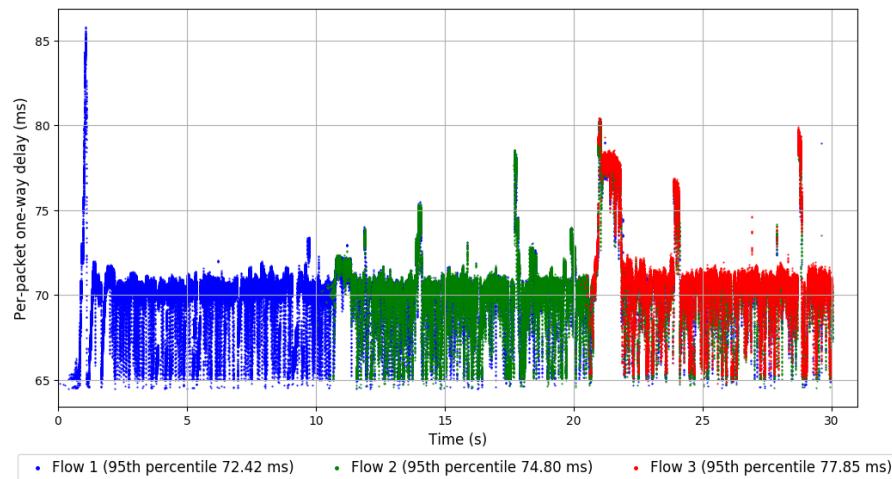
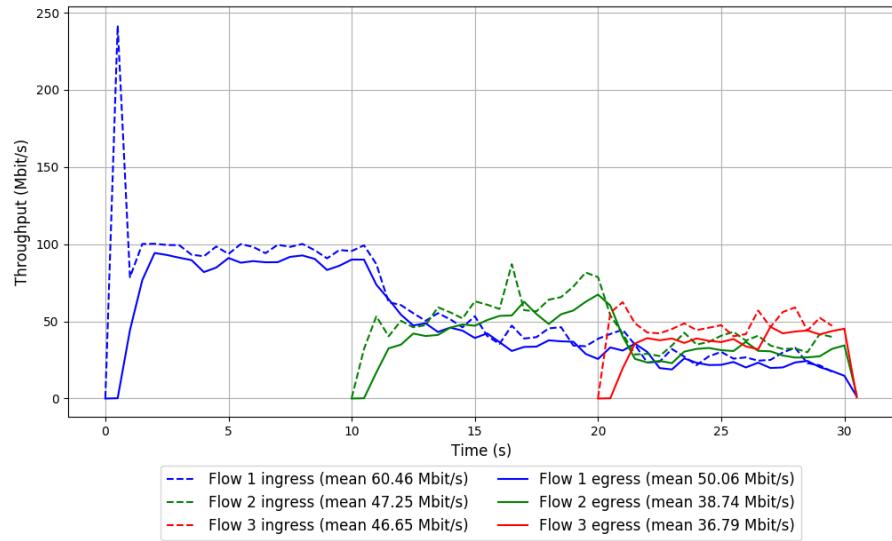


Run 5: Statistics of FillP

```
Start at: 2018-06-05 12:54:05
End at: 2018-06-05 12:54:35
Local clock offset: 5.392 ms
Remote clock offset: -5.47 ms

# Below is generated by plot.py at 2018-06-05 15:13:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.06 Mbit/s
95th percentile per-packet one-way delay: 74.820 ms
Loss rate: 17.99%
-- Flow 1:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 72.418 ms
Loss rate: 17.19%
-- Flow 2:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 74.800 ms
Loss rate: 18.00%
-- Flow 3:
Average throughput: 36.79 Mbit/s
95th percentile per-packet one-way delay: 77.846 ms
Loss rate: 21.12%
```

## Run 5: Report of FillP — Data Link

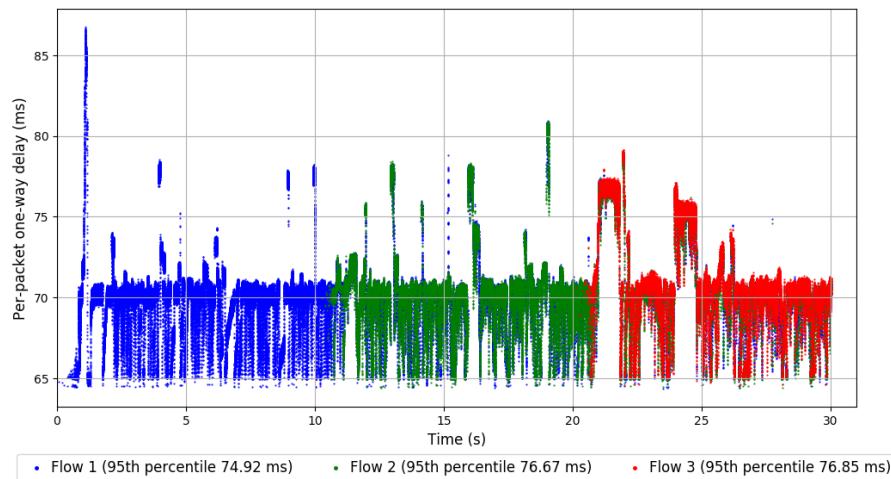
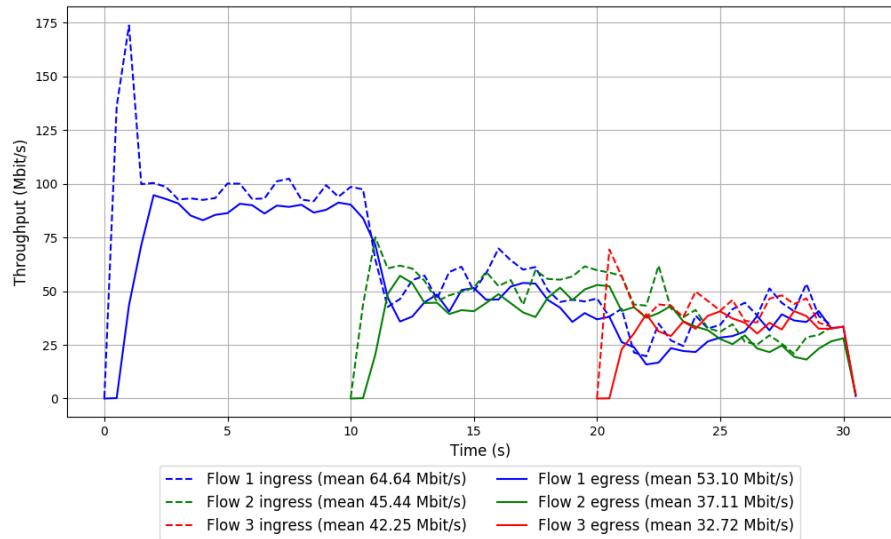


Run 6: Statistics of FillP

```
Start at: 2018-06-05 13:16:15
End at: 2018-06-05 13:16:45
Local clock offset: 4.698 ms
Remote clock offset: -5.765 ms

# Below is generated by plot.py at 2018-06-05 15:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.65 Mbit/s
95th percentile per-packet one-way delay: 76.374 ms
Loss rate: 18.58%
-- Flow 1:
Average throughput: 53.10 Mbit/s
95th percentile per-packet one-way delay: 74.917 ms
Loss rate: 17.84%
-- Flow 2:
Average throughput: 37.11 Mbit/s
95th percentile per-packet one-way delay: 76.670 ms
Loss rate: 18.33%
-- Flow 3:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 76.852 ms
Loss rate: 22.56%
```

## Run 6: Report of FillP — Data Link

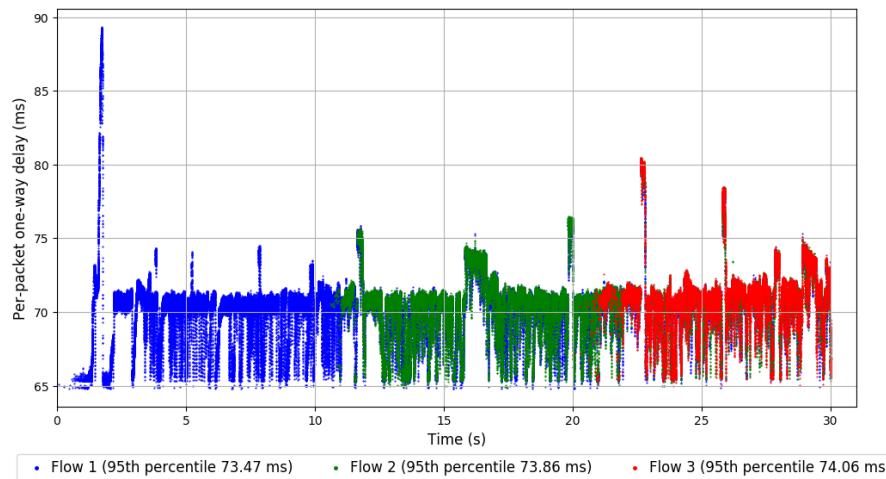
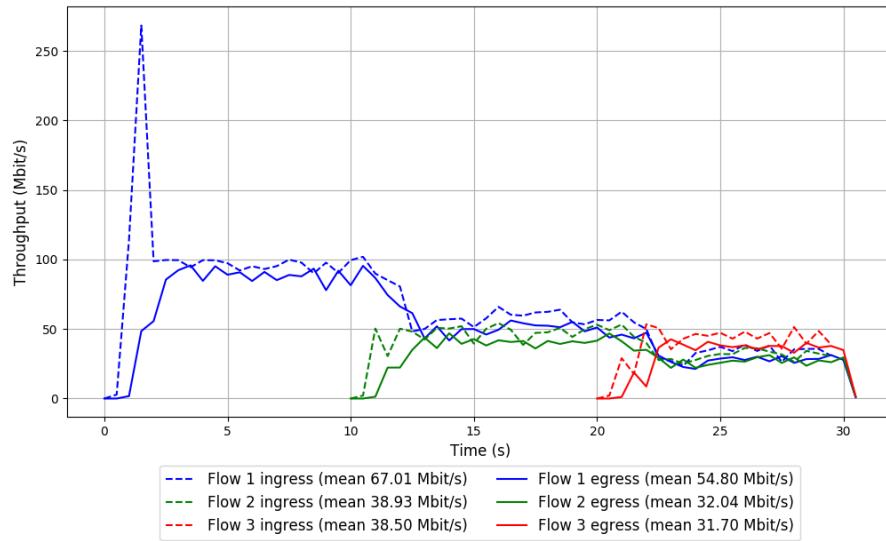


Run 7: Statistics of FillP

```
Start at: 2018-06-05 13:38:29
End at: 2018-06-05 13:38:59
Local clock offset: 3.972 ms
Remote clock offset: -5.692 ms

# Below is generated by plot.py at 2018-06-05 15:14:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 73.697 ms
Loss rate: 18.03%
-- Flow 1:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 73.468 ms
Loss rate: 18.22%
-- Flow 2:
Average throughput: 32.04 Mbit/s
95th percentile per-packet one-way delay: 73.859 ms
Loss rate: 17.72%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 74.062 ms
Loss rate: 17.67%
```

Run 7: Report of FillP — Data Link

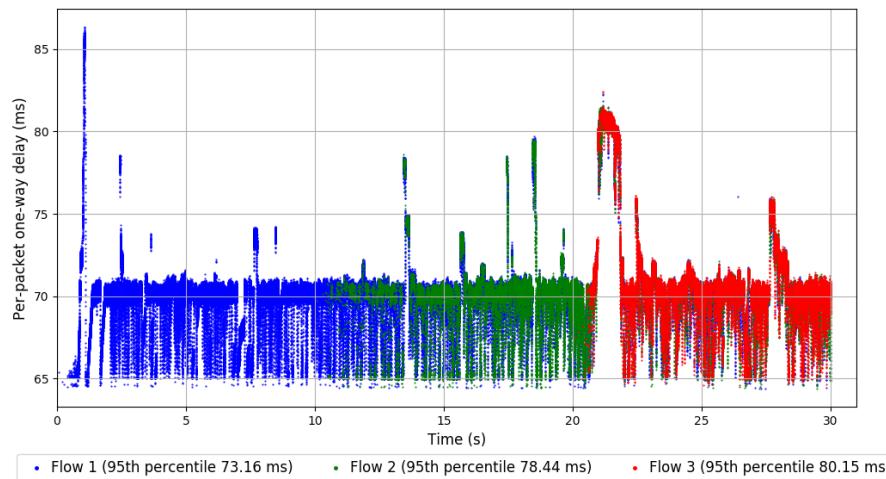
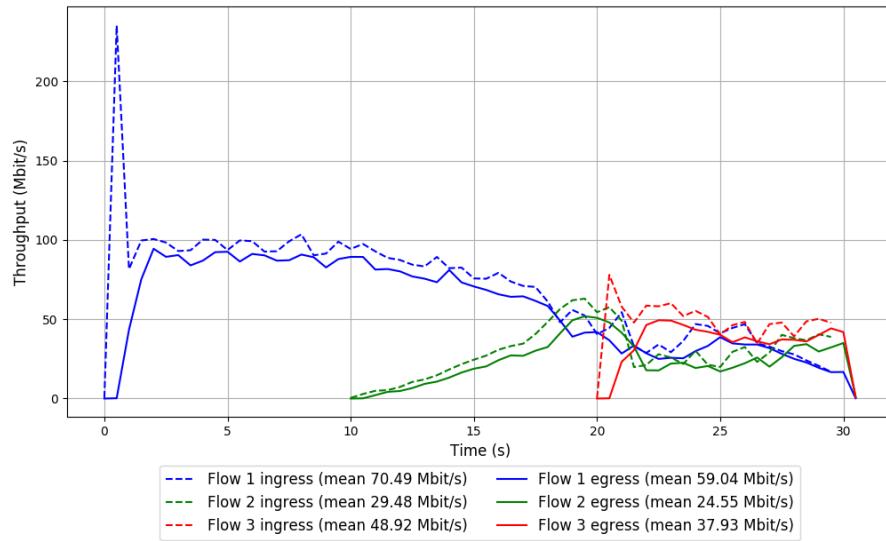


Run 8: Statistics of FillP

```
Start at: 2018-06-05 14:01:02
End at: 2018-06-05 14:01:32
Local clock offset: 3.98 ms
Remote clock offset: -4.495 ms

# Below is generated by plot.py at 2018-06-05 15:14:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.94 Mbit/s
95th percentile per-packet one-way delay: 74.758 ms
Loss rate: 17.27%
-- Flow 1:
Average throughput: 59.04 Mbit/s
95th percentile per-packet one-way delay: 73.164 ms
Loss rate: 16.24%
-- Flow 2:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 78.436 ms
Loss rate: 16.74%
-- Flow 3:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 80.147 ms
Loss rate: 22.44%
```

Run 8: Report of FillP — Data Link

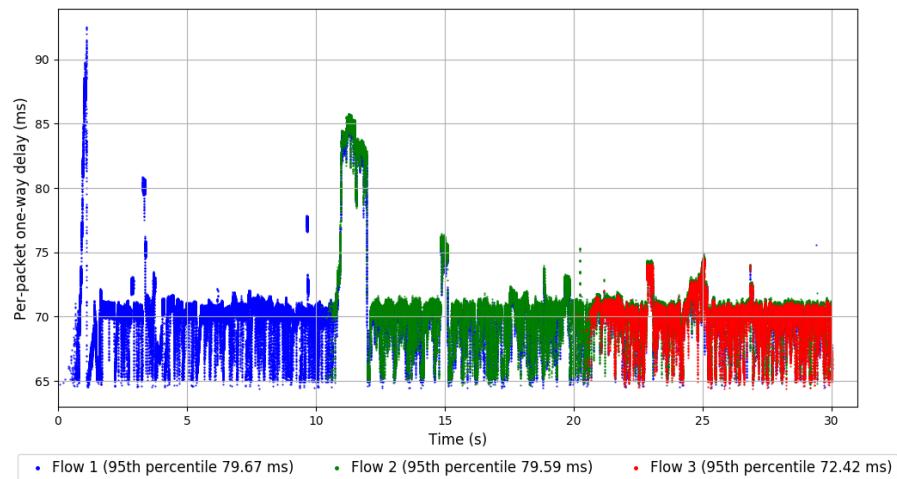
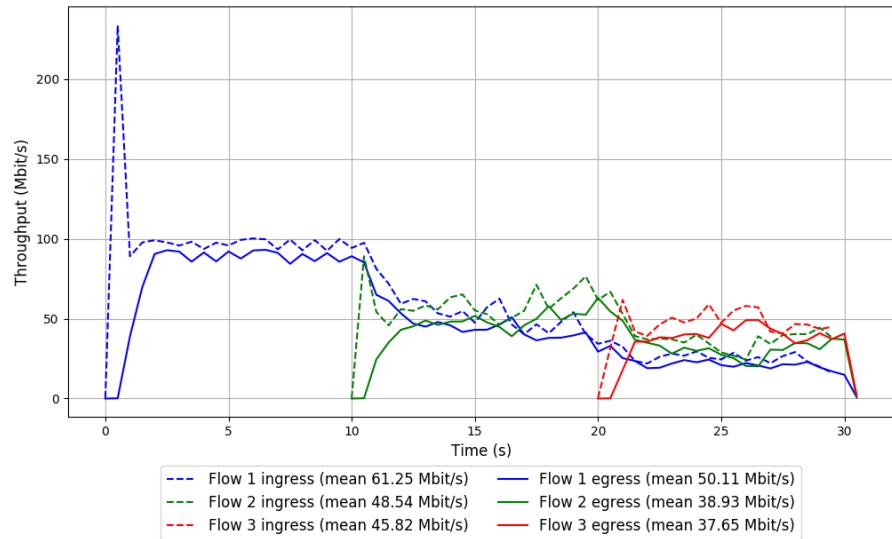


Run 9: Statistics of FillP

```
Start at: 2018-06-05 14:22:54
End at: 2018-06-05 14:23:24
Local clock offset: 6.124 ms
Remote clock offset: -1.115 ms

# Below is generated by plot.py at 2018-06-05 15:15:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 75.712 ms
Loss rate: 18.62%
-- Flow 1:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 79.672 ms
Loss rate: 18.18%
-- Flow 2:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 79.587 ms
Loss rate: 19.80%
-- Flow 3:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 72.424 ms
Loss rate: 17.85%
```

## Run 9: Report of FillP — Data Link

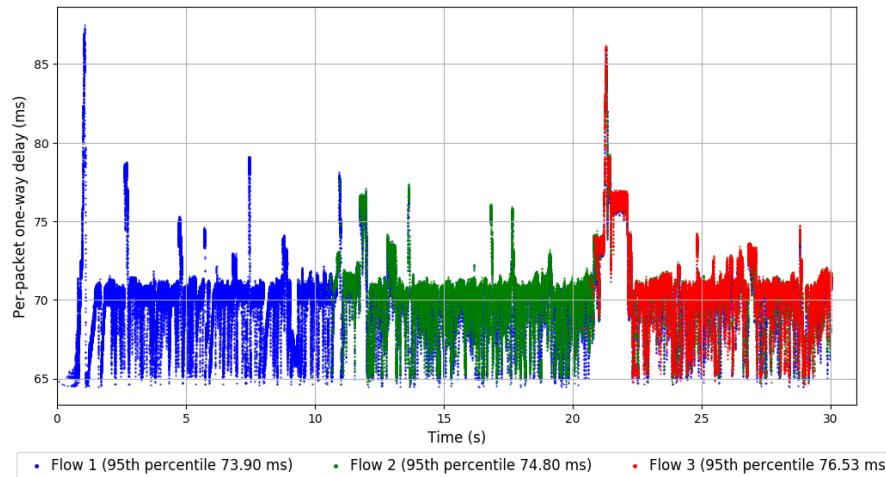
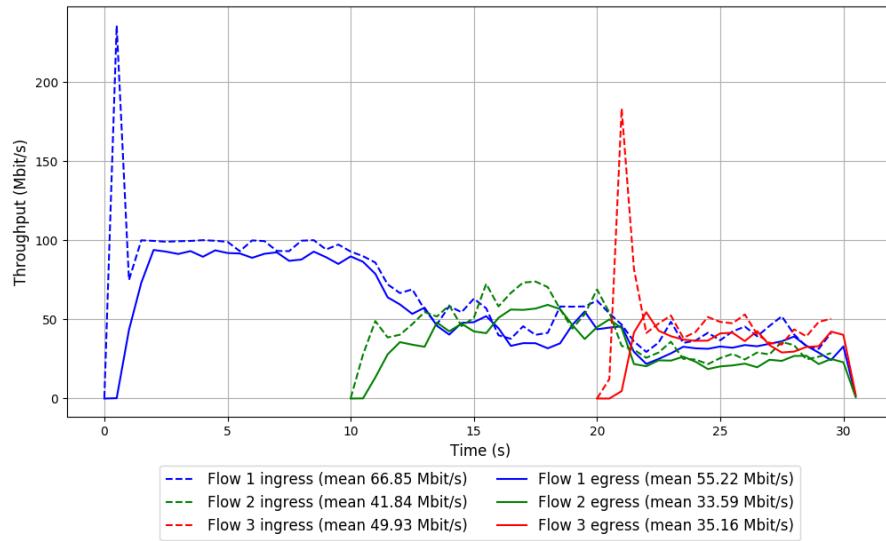


Run 10: Statistics of FillP

```
Start at: 2018-06-05 14:44:53
End at: 2018-06-05 14:45:23
Local clock offset: 6.122 ms
Remote clock offset: -4.453 ms

# Below is generated by plot.py at 2018-06-05 15:15:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.24 Mbit/s
95th percentile per-packet one-way delay: 75.536 ms
Loss rate: 19.78%
-- Flow 1:
Average throughput: 55.22 Mbit/s
95th percentile per-packet one-way delay: 73.900 ms
Loss rate: 17.38%
-- Flow 2:
Average throughput: 33.59 Mbit/s
95th percentile per-packet one-way delay: 74.798 ms
Loss rate: 19.72%
-- Flow 3:
Average throughput: 35.16 Mbit/s
95th percentile per-packet one-way delay: 76.533 ms
Loss rate: 29.55%
```

Run 10: Report of FillP — Data Link

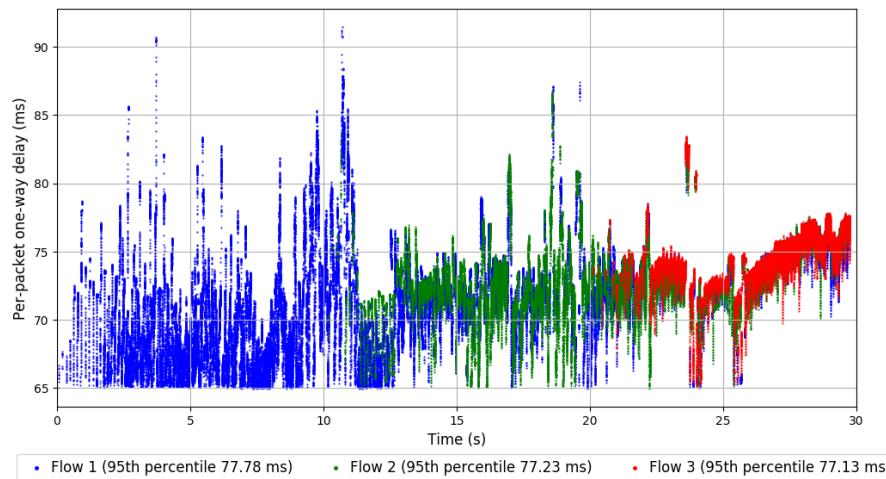
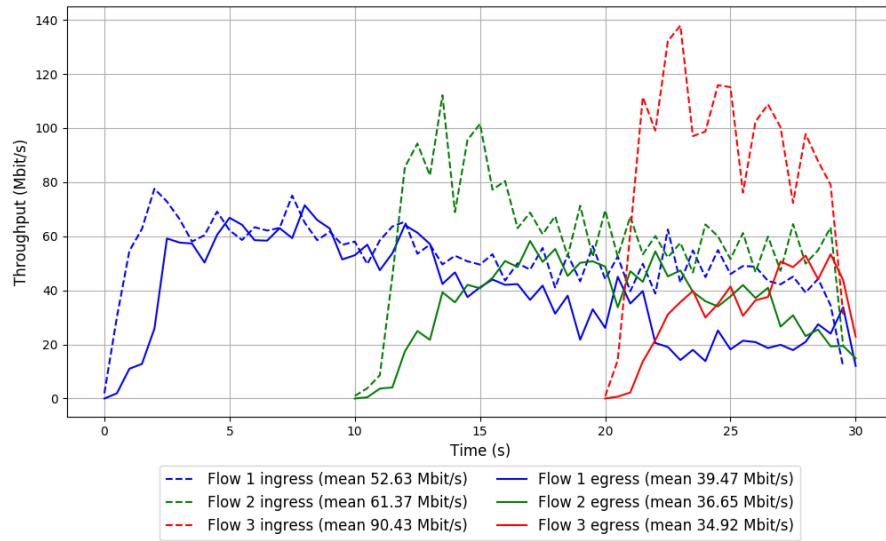


Run 1: Statistics of Indigo

```
Start at: 2018-06-05 11:33:52
End at: 2018-06-05 11:34:22
Local clock offset: 7.718 ms
Remote clock offset: -5.65 ms

# Below is generated by plot.py at 2018-06-05 15:15:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.86 Mbit/s
95th percentile per-packet one-way delay: 77.362 ms
Loss rate: 38.74%
-- Flow 1:
Average throughput: 39.47 Mbit/s
95th percentile per-packet one-way delay: 77.776 ms
Loss rate: 24.97%
-- Flow 2:
Average throughput: 36.65 Mbit/s
95th percentile per-packet one-way delay: 77.231 ms
Loss rate: 40.25%
-- Flow 3:
Average throughput: 34.92 Mbit/s
95th percentile per-packet one-way delay: 77.127 ms
Loss rate: 61.37%
```

## Run 1: Report of Indigo — Data Link

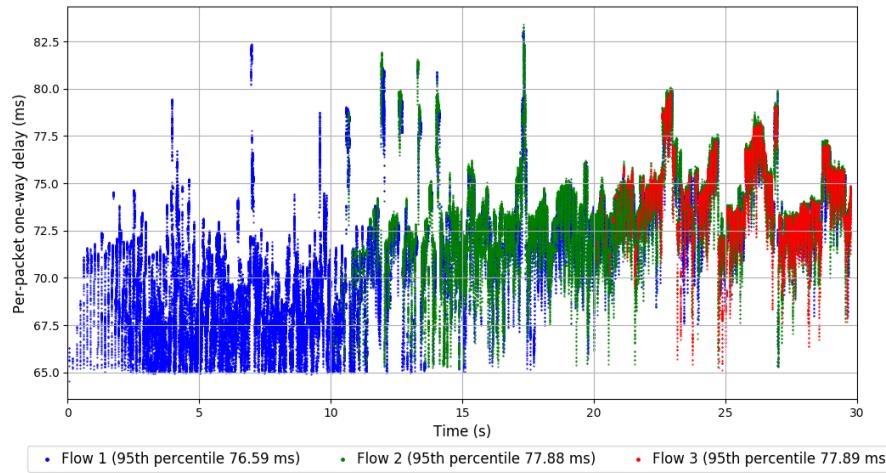
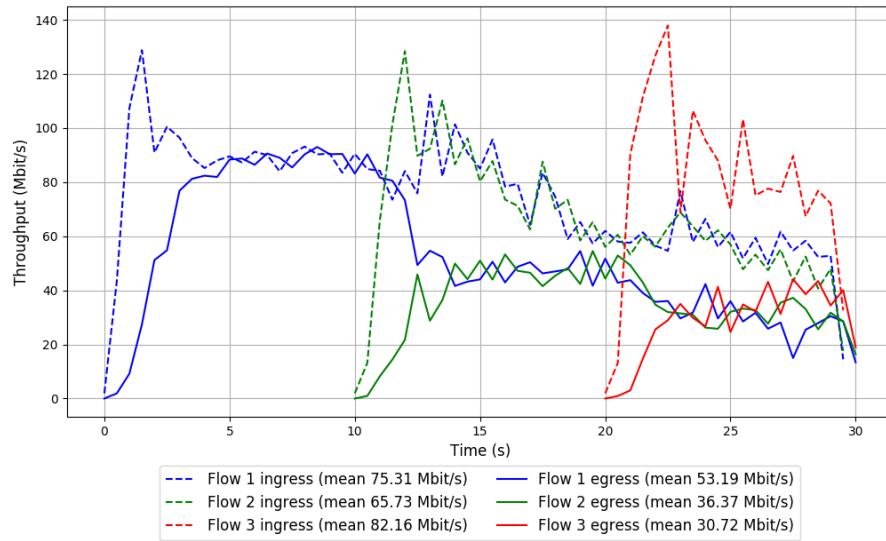


Run 2: Statistics of Indigo

```
Start at: 2018-06-05 11:57:03
End at: 2018-06-05 11:57:33
Local clock offset: 7.708 ms
Remote clock offset: -4.69 ms

# Below is generated by plot.py at 2018-06-05 15:15:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 77.260 ms
Loss rate: 40.02%
-- Flow 1:
Average throughput: 53.19 Mbit/s
95th percentile per-packet one-way delay: 76.589 ms
Loss rate: 29.35%
-- Flow 2:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 77.883 ms
Loss rate: 44.64%
-- Flow 3:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 77.888 ms
Loss rate: 62.60%
```

## Run 2: Report of Indigo — Data Link

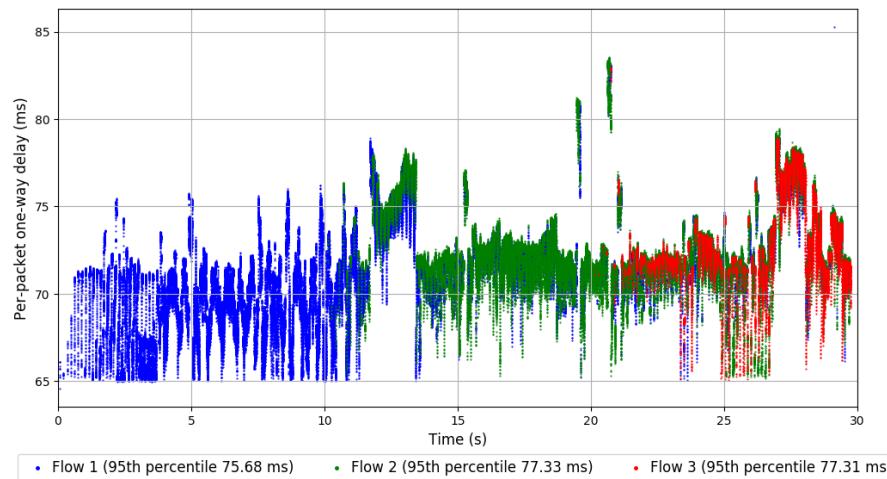
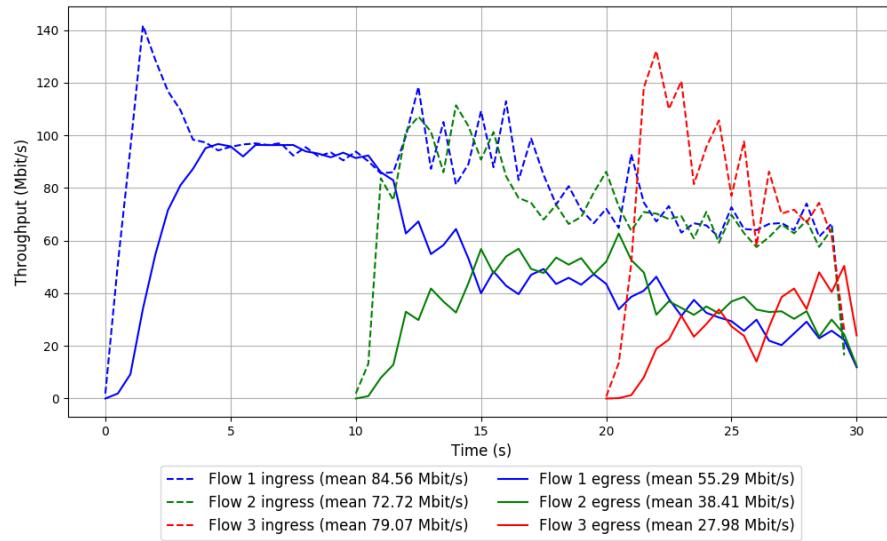


Run 3: Statistics of Indigo

```
Start at: 2018-06-05 12:19:08
End at: 2018-06-05 12:19:38
Local clock offset: 6.251 ms
Remote clock offset: -4.875 ms

# Below is generated by plot.py at 2018-06-05 15:15:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.56 Mbit/s
95th percentile per-packet one-way delay: 76.585 ms
Loss rate: 43.28%
-- Flow 1:
Average throughput: 55.29 Mbit/s
95th percentile per-packet one-way delay: 75.684 ms
Loss rate: 34.60%
-- Flow 2:
Average throughput: 38.41 Mbit/s
95th percentile per-packet one-way delay: 77.325 ms
Loss rate: 47.17%
-- Flow 3:
Average throughput: 27.98 Mbit/s
95th percentile per-packet one-way delay: 77.305 ms
Loss rate: 64.62%
```

Run 3: Report of Indigo — Data Link

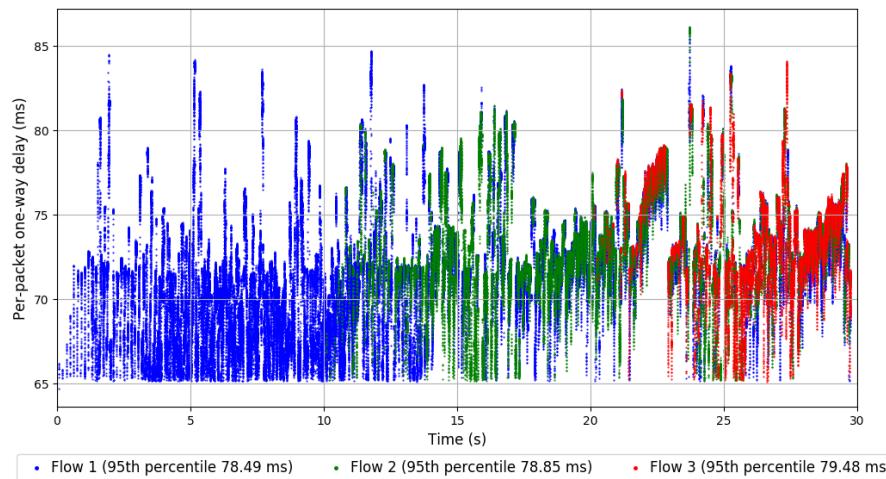
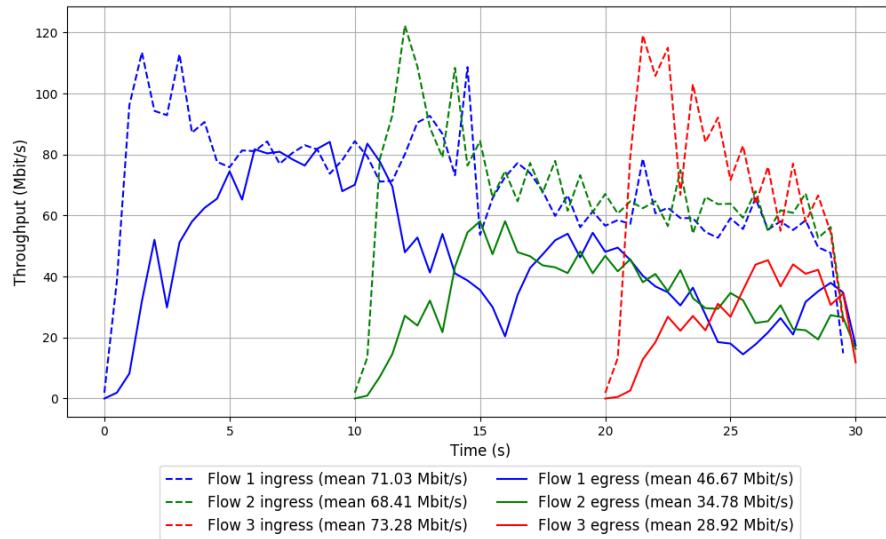


Run 4: Statistics of Indigo

```
Start at: 2018-06-05 12:41:32
End at: 2018-06-05 12:42:02
Local clock offset: 5.276 ms
Remote clock offset: -5.54 ms

# Below is generated by plot.py at 2018-06-05 15:15:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.04 Mbit/s
95th percentile per-packet one-way delay: 78.727 ms
Loss rate: 43.54%
-- Flow 1:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 78.491 ms
Loss rate: 34.28%
-- Flow 2:
Average throughput: 34.78 Mbit/s
95th percentile per-packet one-way delay: 78.851 ms
Loss rate: 49.15%
-- Flow 3:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 79.484 ms
Loss rate: 60.55%
```

## Run 4: Report of Indigo — Data Link

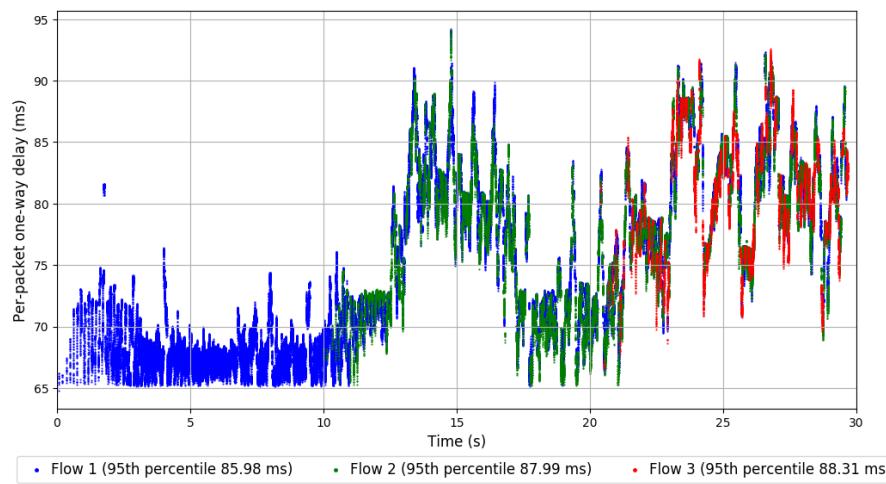
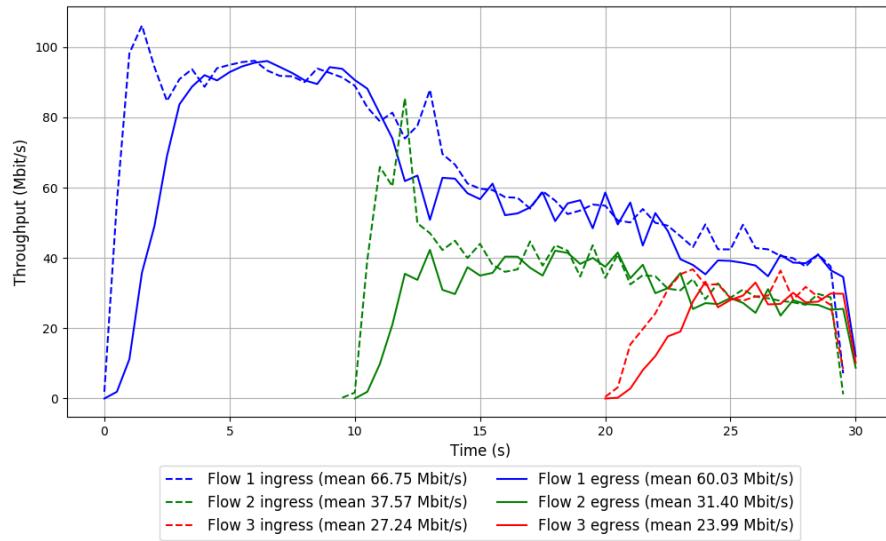


Run 5: Statistics of Indigo

```
Start at: 2018-06-05 13:03:50
End at: 2018-06-05 13:04:20
Local clock offset: 5.297 ms
Remote clock offset: -5.511 ms

# Below is generated by plot.py at 2018-06-05 15:15:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.27 Mbit/s
95th percentile per-packet one-way delay: 87.121 ms
Loss rate: 11.75%
-- Flow 1:
Average throughput: 60.03 Mbit/s
95th percentile per-packet one-way delay: 85.982 ms
Loss rate: 10.01%
-- Flow 2:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 87.986 ms
Loss rate: 16.34%
-- Flow 3:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 88.309 ms
Loss rate: 11.92%
```

Run 5: Report of Indigo — Data Link

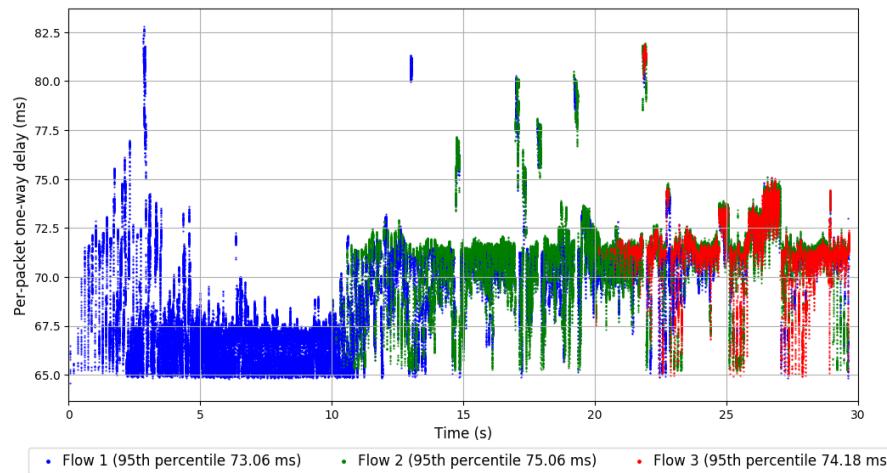
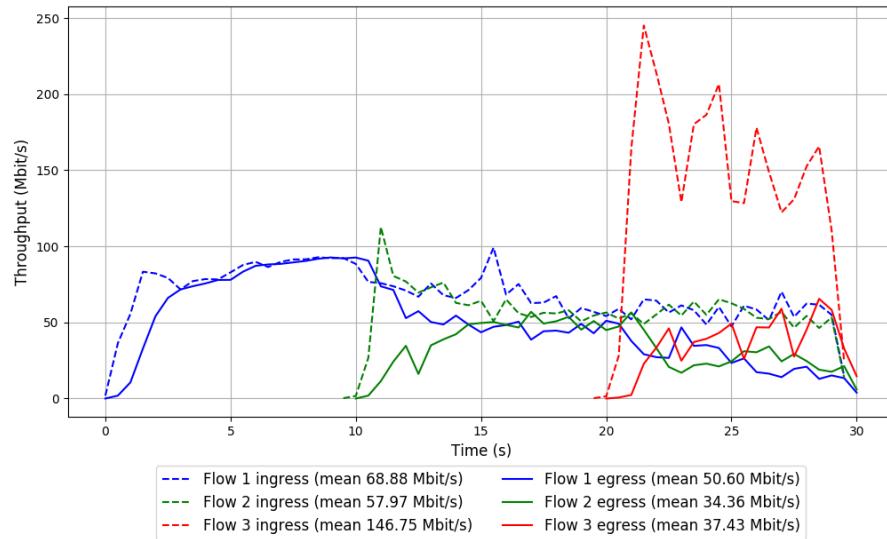


Run 6: Statistics of Indigo

```
Start at: 2018-06-05 13:25:54
End at: 2018-06-05 13:26:24
Local clock offset: 4.301 ms
Remote clock offset: -5.873 ms

# Below is generated by plot.py at 2018-06-05 15:16:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.54 Mbit/s
95th percentile per-packet one-way delay: 73.983 ms
Loss rate: 44.82%
-- Flow 1:
Average throughput: 50.60 Mbit/s
95th percentile per-packet one-way delay: 73.061 ms
Loss rate: 26.52%
-- Flow 2:
Average throughput: 34.36 Mbit/s
95th percentile per-packet one-way delay: 75.064 ms
Loss rate: 40.72%
-- Flow 3:
Average throughput: 37.43 Mbit/s
95th percentile per-packet one-way delay: 74.176 ms
Loss rate: 74.48%
```

## Run 6: Report of Indigo — Data Link

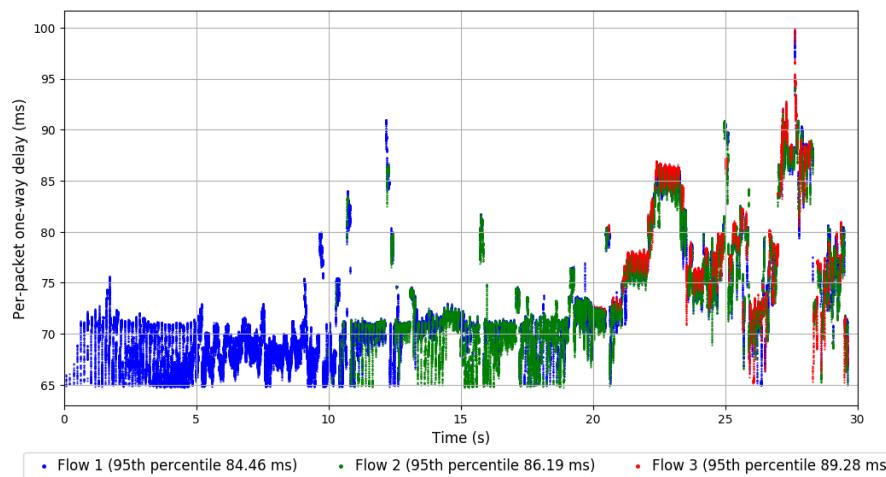
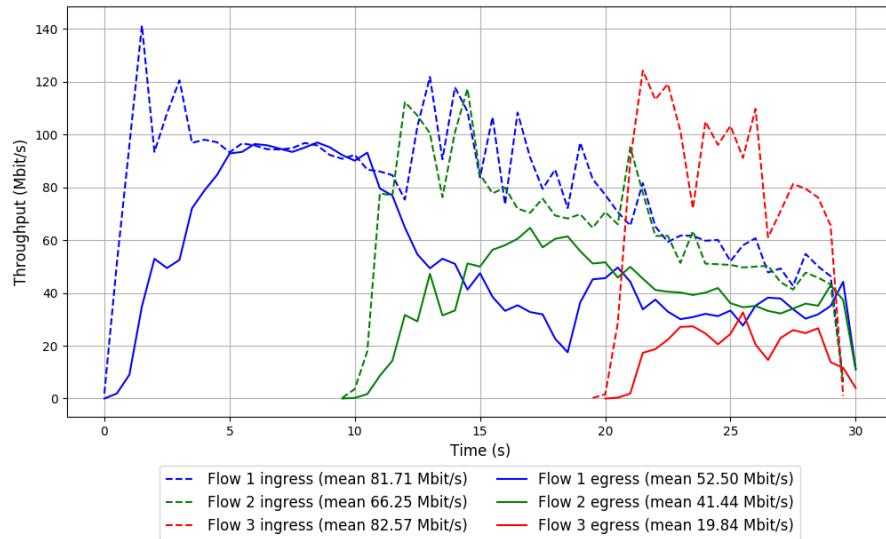


Run 7: Statistics of Indigo

```
Start at: 2018-06-05 13:48:40
End at: 2018-06-05 13:49:10
Local clock offset: 4.181 ms
Remote clock offset: -5.919 ms

# Below is generated by plot.py at 2018-06-05 15:16:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.49 Mbit/s
95th percentile per-packet one-way delay: 86.216 ms
Loss rate: 43.32%
-- Flow 1:
Average throughput: 52.50 Mbit/s
95th percentile per-packet one-way delay: 84.458 ms
Loss rate: 35.73%
-- Flow 2:
Average throughput: 41.44 Mbit/s
95th percentile per-packet one-way delay: 86.186 ms
Loss rate: 37.43%
-- Flow 3:
Average throughput: 19.84 Mbit/s
95th percentile per-packet one-way delay: 89.280 ms
Loss rate: 75.98%
```

## Run 7: Report of Indigo — Data Link

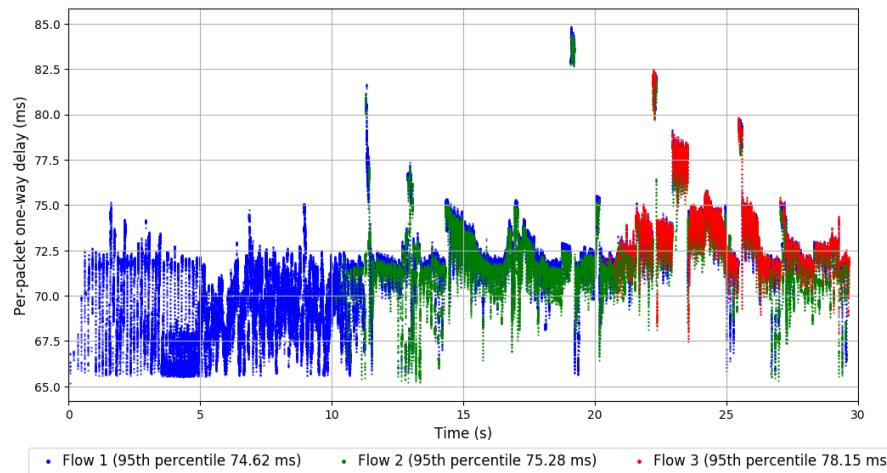
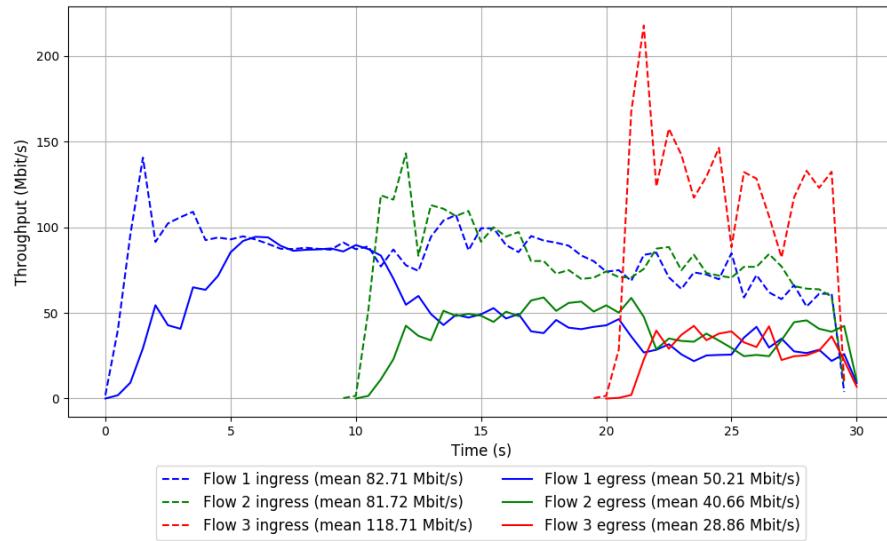


Run 8: Statistics of Indigo

```
Start at: 2018-06-05 14:10:36
End at: 2018-06-05 14:11:06
Local clock offset: 4.081 ms
Remote clock offset: -2.254 ms

# Below is generated by plot.py at 2018-06-05 15:16:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.49 Mbit/s
95th percentile per-packet one-way delay: 75.166 ms
Loss rate: 50.69%
-- Flow 1:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 74.624 ms
Loss rate: 39.28%
-- Flow 2:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 75.285 ms
Loss rate: 50.24%
-- Flow 3:
Average throughput: 28.86 Mbit/s
95th percentile per-packet one-way delay: 78.153 ms
Loss rate: 75.69%
```

Run 8: Report of Indigo — Data Link

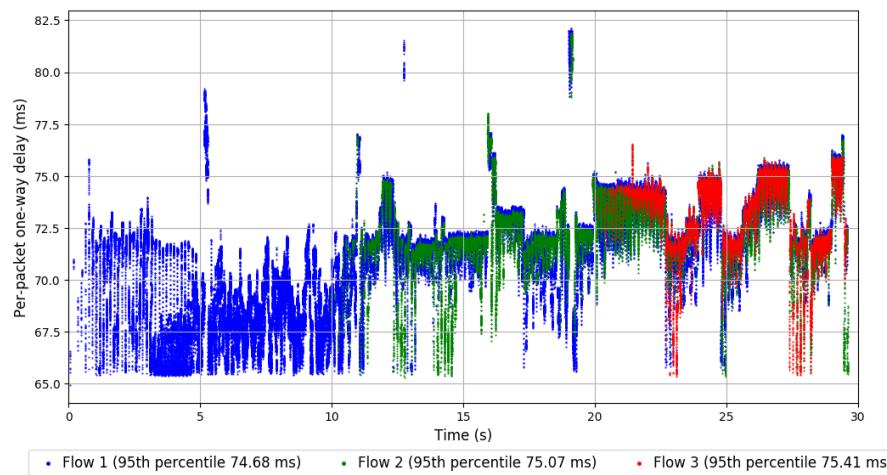
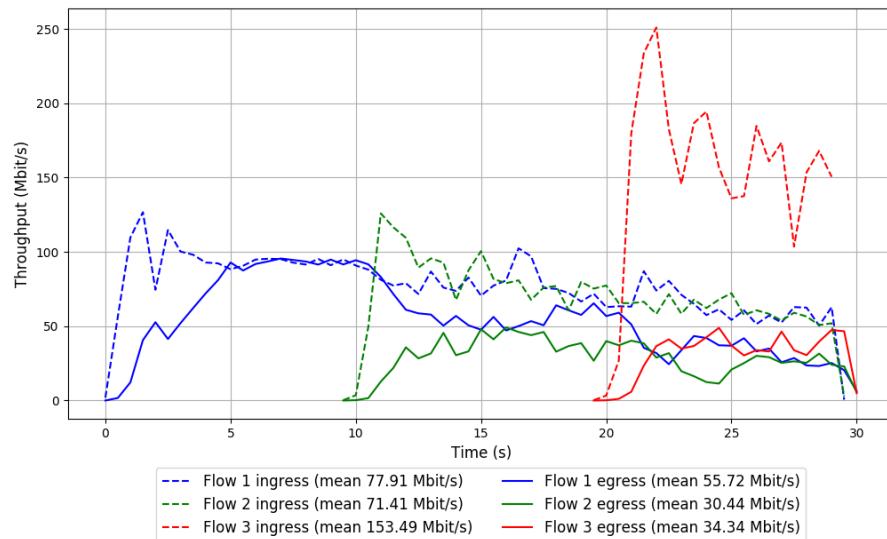


Run 9: Statistics of Indigo

```
Start at: 2018-06-05 14:32:33
End at: 2018-06-05 14:33:03
Local clock offset: 6.918 ms
Remote clock offset: -1.13 ms

# Below is generated by plot.py at 2018-06-05 15:16:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 75.088 ms
Loss rate: 50.25%
-- Flow 1:
Average throughput: 55.72 Mbit/s
95th percentile per-packet one-way delay: 74.676 ms
Loss rate: 28.46%
-- Flow 2:
Average throughput: 30.44 Mbit/s
95th percentile per-packet one-way delay: 75.074 ms
Loss rate: 57.38%
-- Flow 3:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 75.407 ms
Loss rate: 77.63%
```

## Run 9: Report of Indigo — Data Link

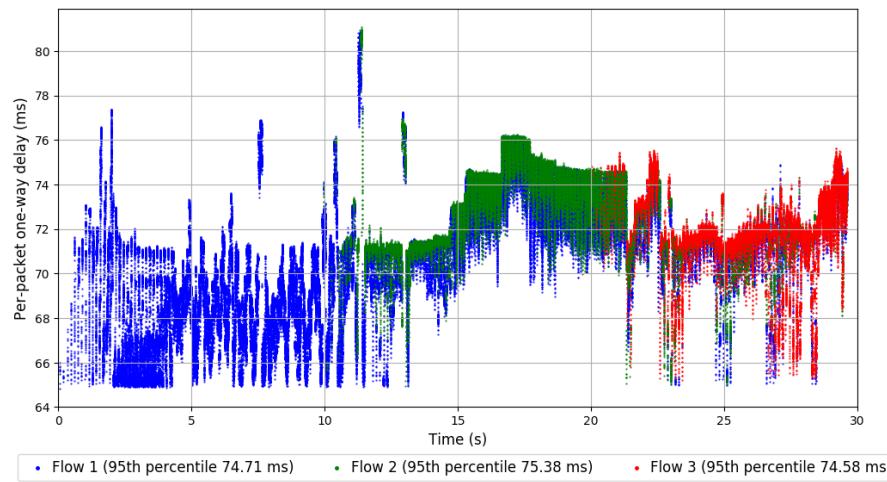
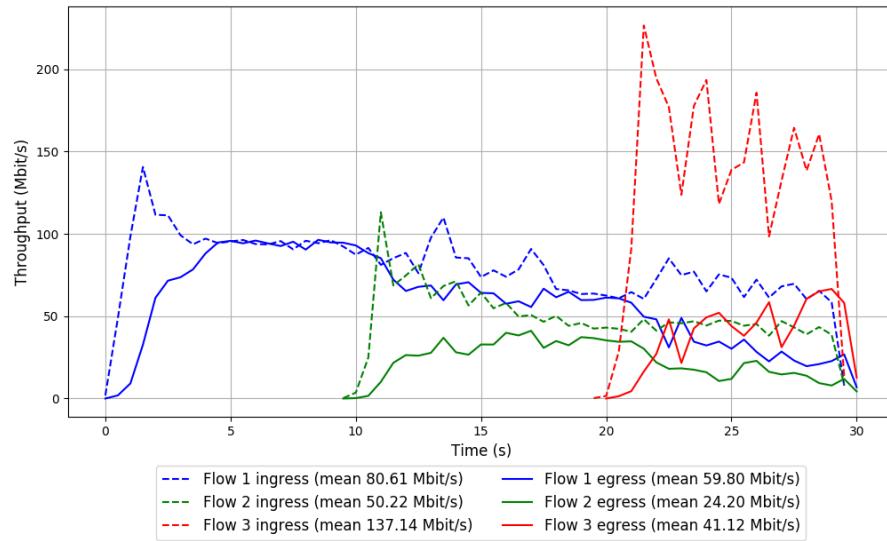


Run 10: Statistics of Indigo

```
Start at: 2018-06-05 14:54:36
End at: 2018-06-05 14:55:06
Local clock offset: 5.274 ms
Remote clock offset: -5.265 ms

# Below is generated by plot.py at 2018-06-05 15:16:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.22 Mbit/s
95th percentile per-packet one-way delay: 74.842 ms
Loss rate: 43.68%
-- Flow 1:
Average throughput: 59.80 Mbit/s
95th percentile per-packet one-way delay: 74.714 ms
Loss rate: 25.78%
-- Flow 2:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 75.379 ms
Loss rate: 51.81%
-- Flow 3:
Average throughput: 41.12 Mbit/s
95th percentile per-packet one-way delay: 74.575 ms
Loss rate: 70.01%
```

Run 10: Report of Indigo — Data Link

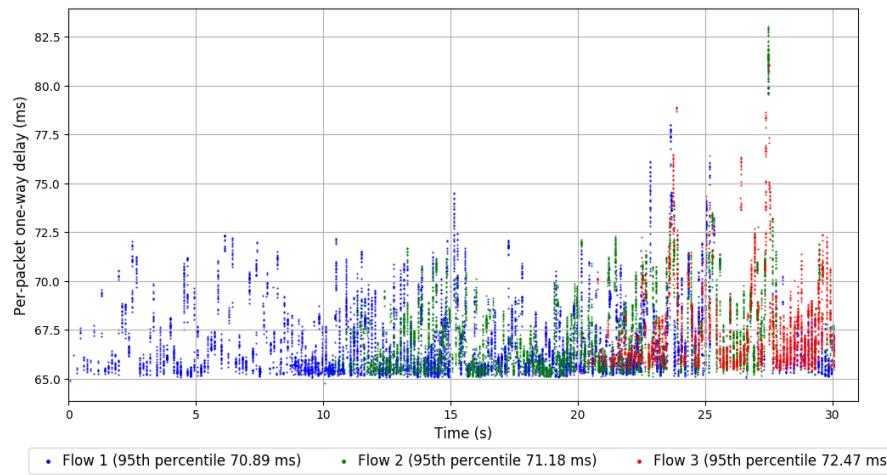
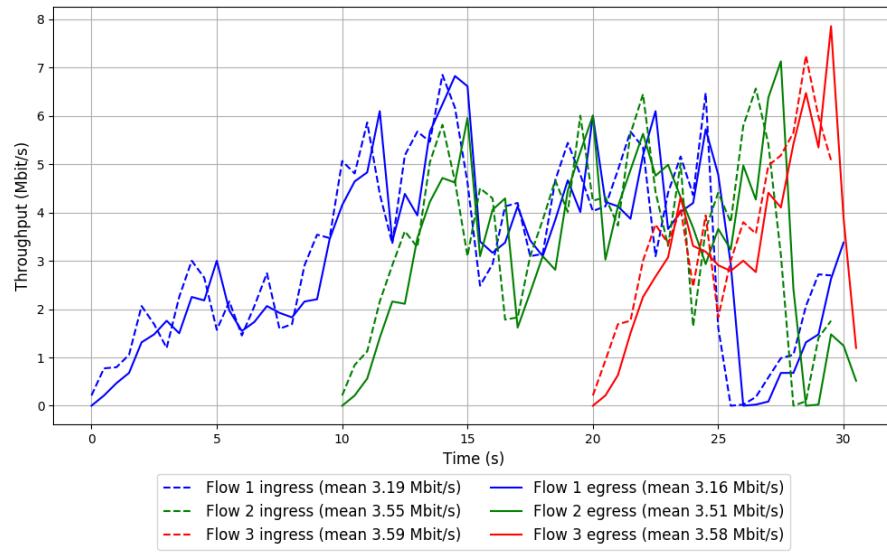


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-05 11:39:31
End at: 2018-06-05 11:40:01
Local clock offset: 7.705 ms
Remote clock offset: -5.502 ms

# Below is generated by plot.py at 2018-06-05 15:16:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 71.218 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 70.890 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 71.180 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 72.465 ms
Loss rate: 0.26%
```

Run 1: Report of LEDBAT — Data Link

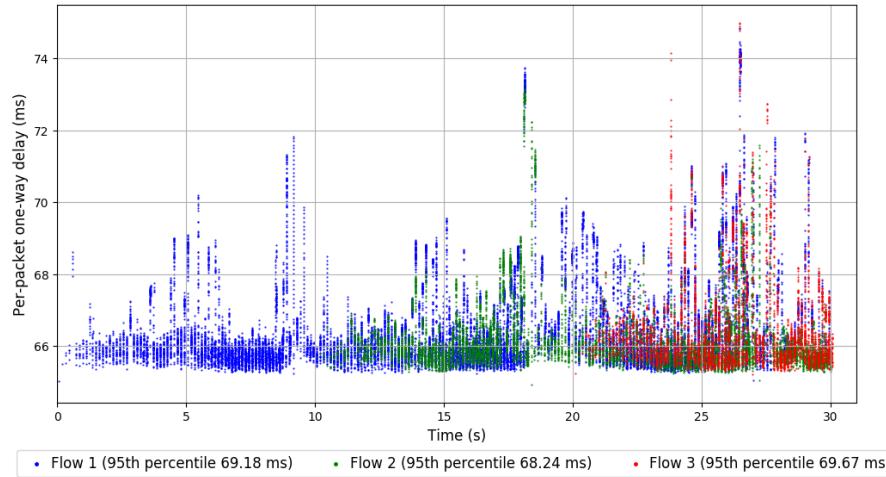
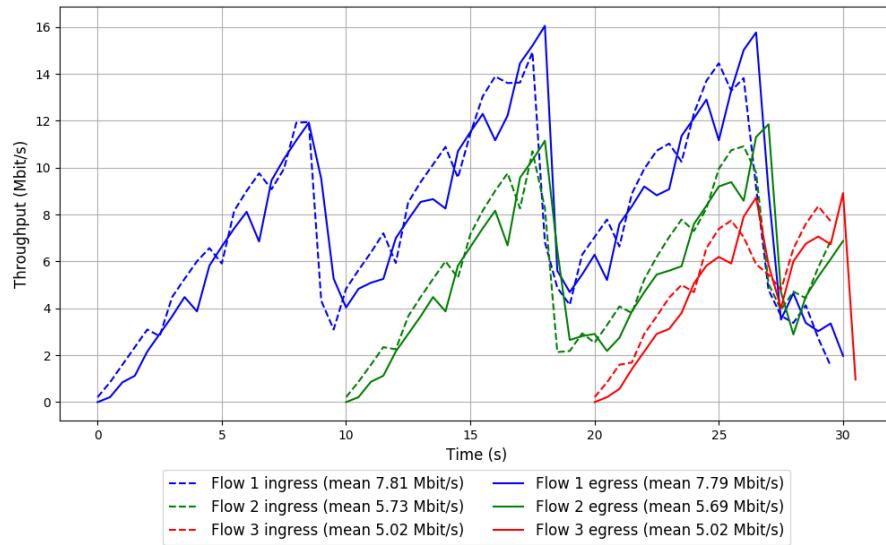


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-05 12:02:37
End at: 2018-06-05 12:03:07
Local clock offset: 7.719 ms
Remote clock offset: -4.485 ms

# Below is generated by plot.py at 2018-06-05 15:16:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.21 Mbit/s
95th percentile per-packet one-way delay: 68.997 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 69.183 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 5.69 Mbit/s
95th percentile per-packet one-way delay: 68.239 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 69.665 ms
Loss rate: 0.02%
```

Run 2: Report of LEDBAT — Data Link

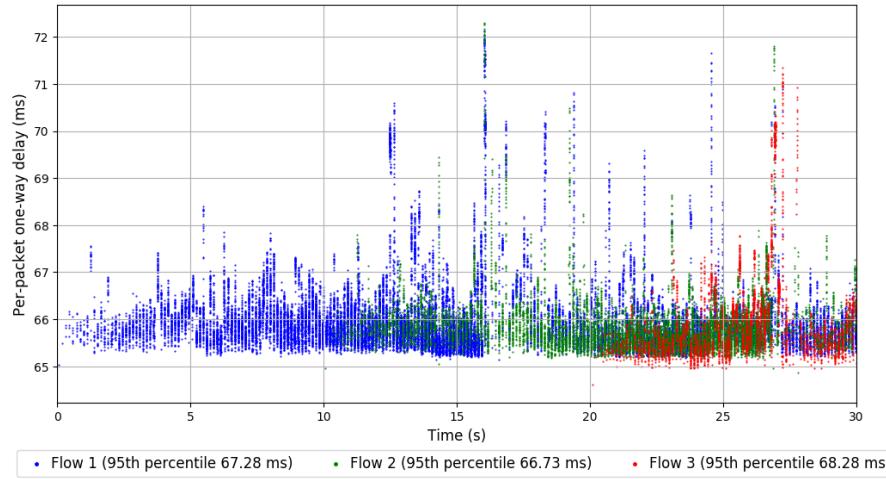
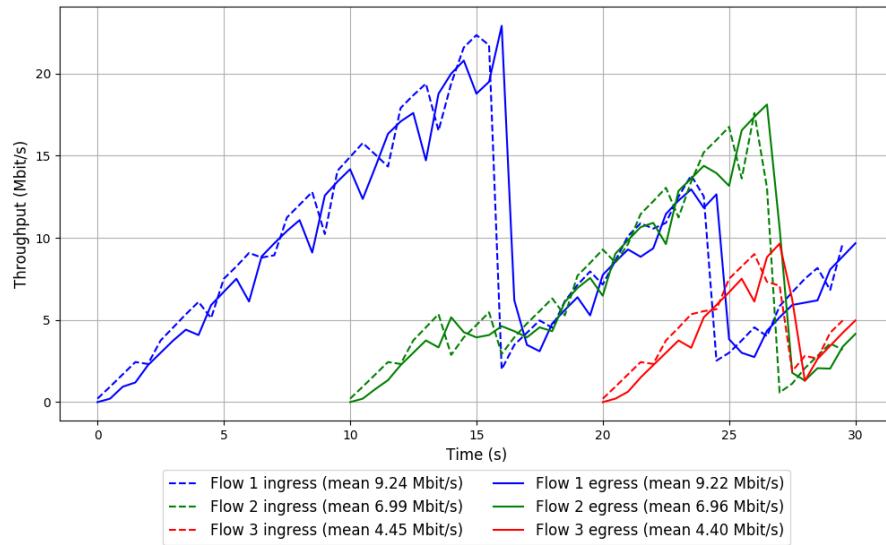


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-05 12:24:46
End at: 2018-06-05 12:25:16
Local clock offset: 5.92 ms
Remote clock offset: -5.162 ms

# Below is generated by plot.py at 2018-06-05 15:16:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.29 Mbit/s
95th percentile per-packet one-way delay: 67.189 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 9.22 Mbit/s
95th percentile per-packet one-way delay: 67.285 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 66.735 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 68.280 ms
Loss rate: 0.96%
```

Run 3: Report of LEDBAT — Data Link

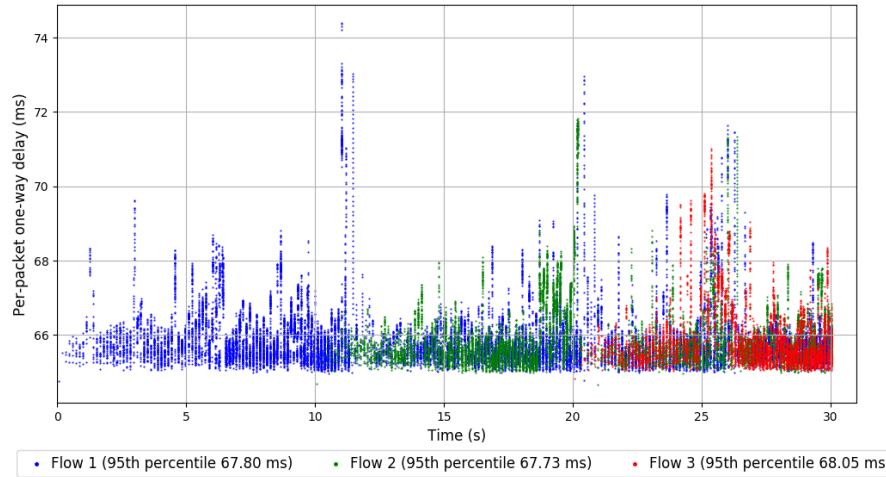
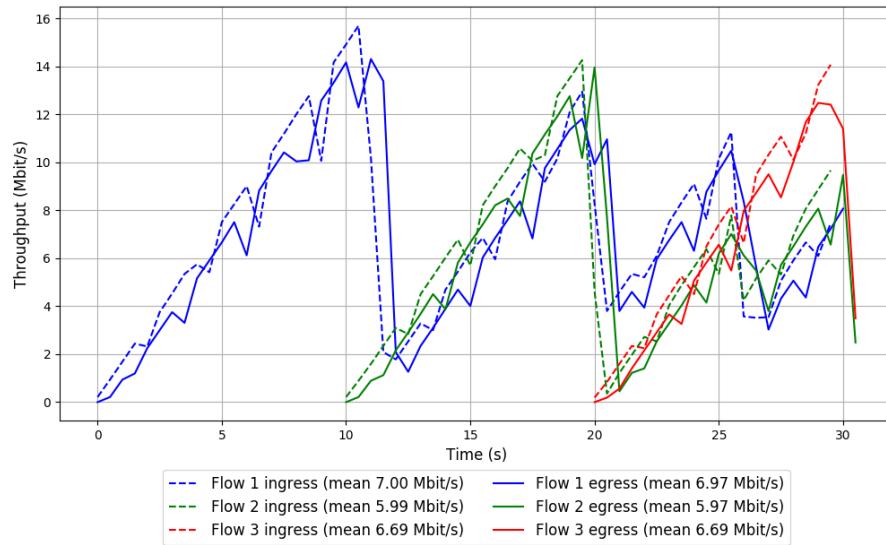


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-05 12:47:14
End at: 2018-06-05 12:47:44
Local clock offset: 5.383 ms
Remote clock offset: -5.521 ms

# Below is generated by plot.py at 2018-06-05 15:16:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 67.801 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 67.804 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 5.97 Mbit/s
95th percentile per-packet one-way delay: 67.733 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 6.69 Mbit/s
95th percentile per-packet one-way delay: 68.053 ms
Loss rate: 0.00%
```

## Run 4: Report of LEDBAT — Data Link

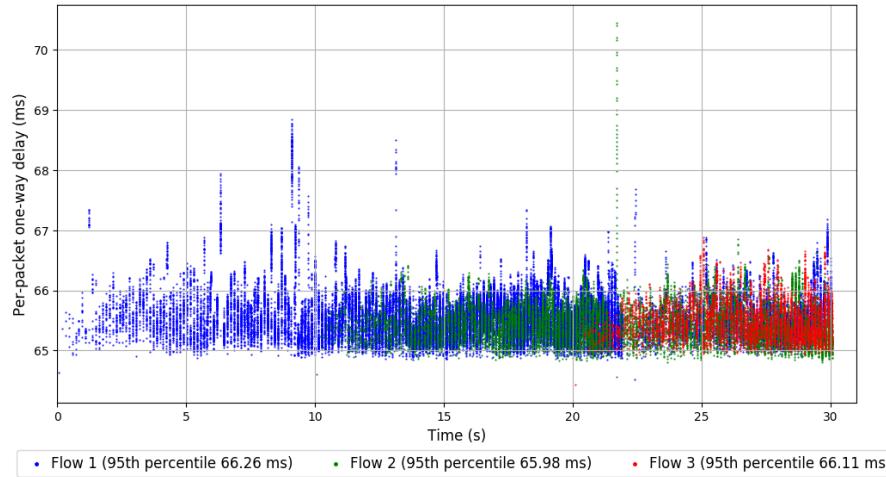
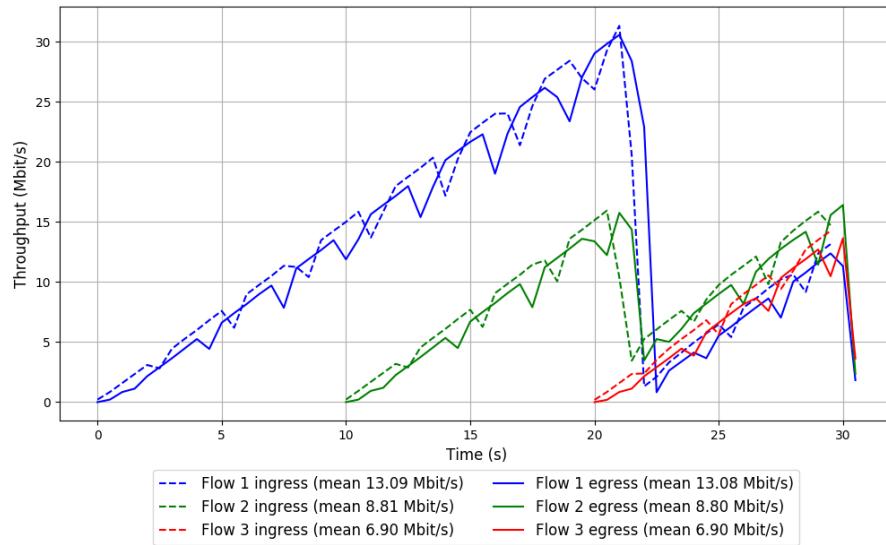


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-05 13:09:26
End at: 2018-06-05 13:09:56
Local clock offset: 5.387 ms
Remote clock offset: -5.631 ms

# Below is generated by plot.py at 2018-06-05 15:16:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.22 Mbit/s
95th percentile per-packet one-way delay: 66.156 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 66.257 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 8.80 Mbit/s
95th percentile per-packet one-way delay: 65.982 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 66.106 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

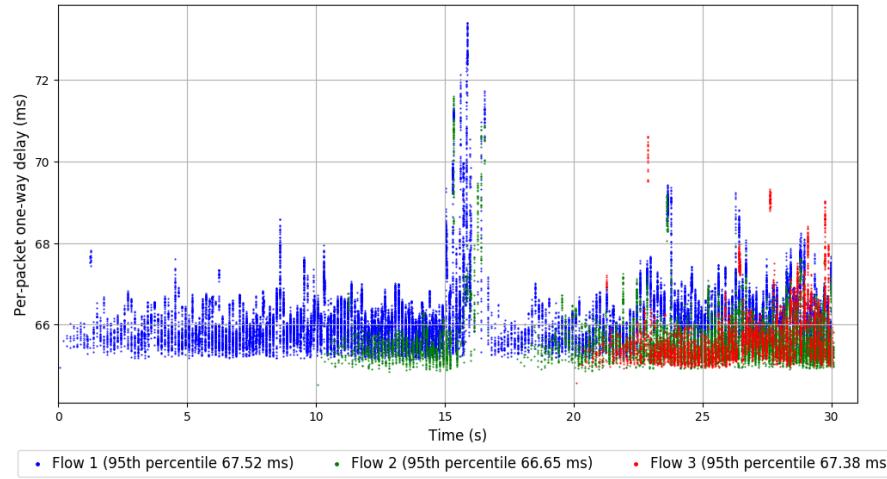
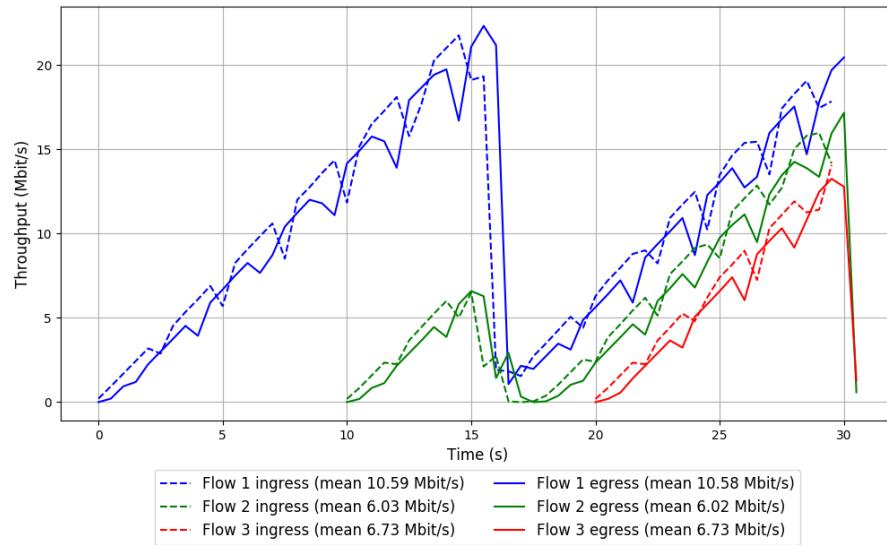


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-05 13:31:30
End at: 2018-06-05 13:32:00
Local clock offset: 4.334 ms
Remote clock offset: -5.653 ms

# Below is generated by plot.py at 2018-06-05 15:16:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.79 Mbit/s
95th percentile per-packet one-way delay: 67.343 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 67.520 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 6.02 Mbit/s
95th percentile per-packet one-way delay: 66.654 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 6.73 Mbit/s
95th percentile per-packet one-way delay: 67.378 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

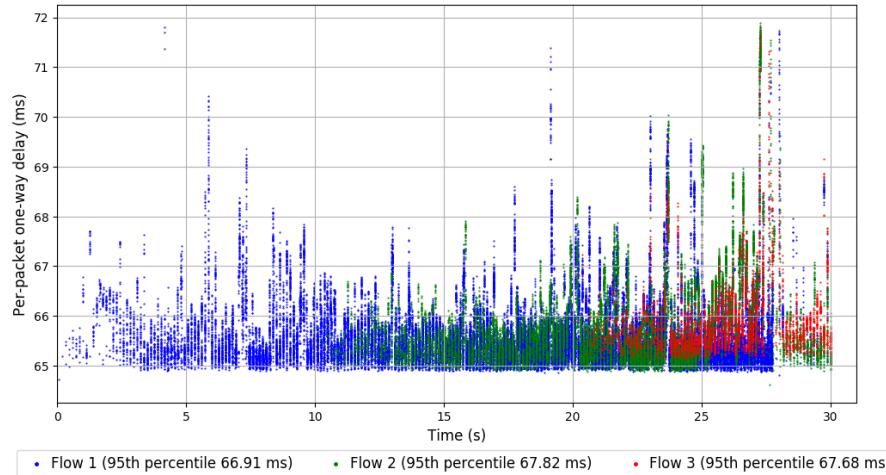
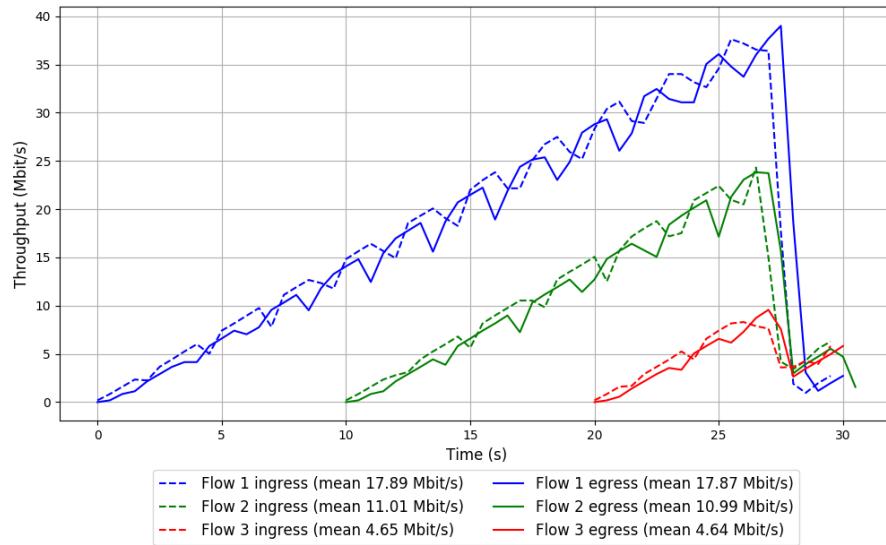


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-05 13:54:16
End at: 2018-06-05 13:54:46
Local clock offset: 4.139 ms
Remote clock offset: -5.853 ms

# Below is generated by plot.py at 2018-06-05 15:16:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.71 Mbit/s
95th percentile per-packet one-way delay: 67.250 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 17.87 Mbit/s
95th percentile per-packet one-way delay: 66.912 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 67.818 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 4.64 Mbit/s
95th percentile per-packet one-way delay: 67.680 ms
Loss rate: 0.23%
```

Run 7: Report of LEDBAT — Data Link

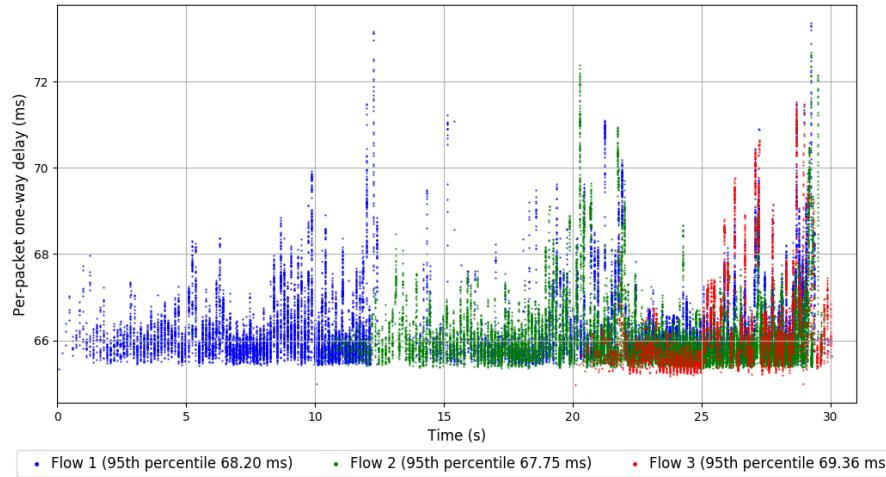
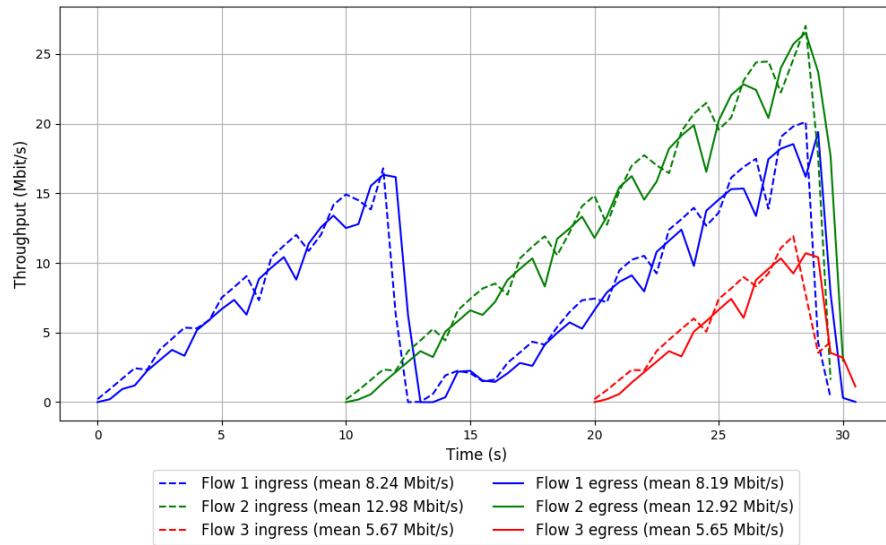


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-05 14:16:09
End at: 2018-06-05 14:16:39
Local clock offset: 5.321 ms
Remote clock offset: -1.527 ms

# Below is generated by plot.py at 2018-06-05 15:16:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.56 Mbit/s
95th percentile per-packet one-way delay: 68.208 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 8.19 Mbit/s
95th percentile per-packet one-way delay: 68.196 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 12.92 Mbit/s
95th percentile per-packet one-way delay: 67.753 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 5.65 Mbit/s
95th percentile per-packet one-way delay: 69.356 ms
Loss rate: 0.33%
```

Run 8: Report of LEDBAT — Data Link

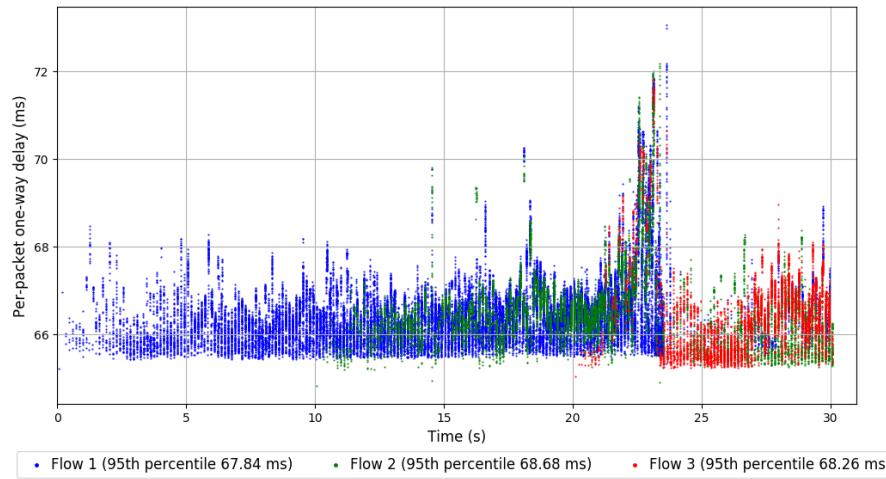
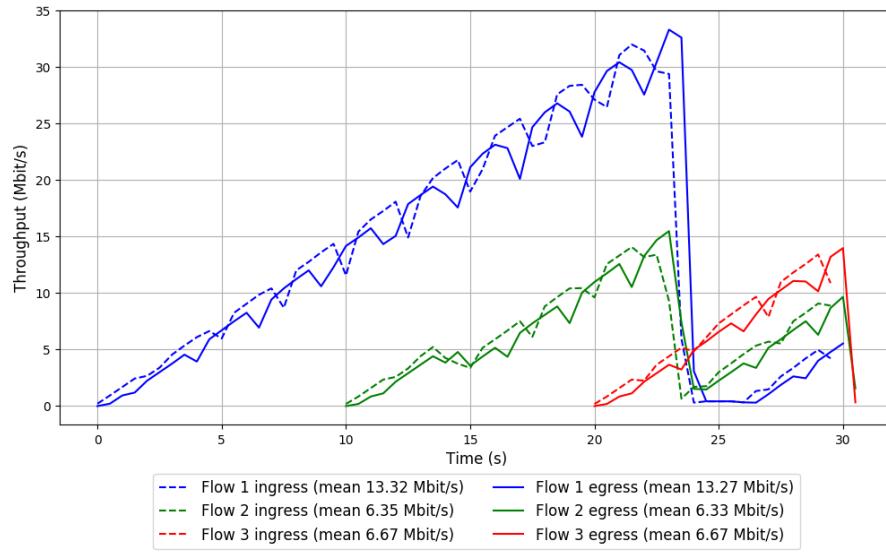


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-05 14:38:07
End at: 2018-06-05 14:38:37
Local clock offset: 7.128 ms
Remote clock offset: -3.204 ms

# Below is generated by plot.py at 2018-06-05 15:16:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 68.081 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 13.27 Mbit/s
95th percentile per-packet one-way delay: 67.841 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 6.33 Mbit/s
95th percentile per-packet one-way delay: 68.682 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 68.256 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

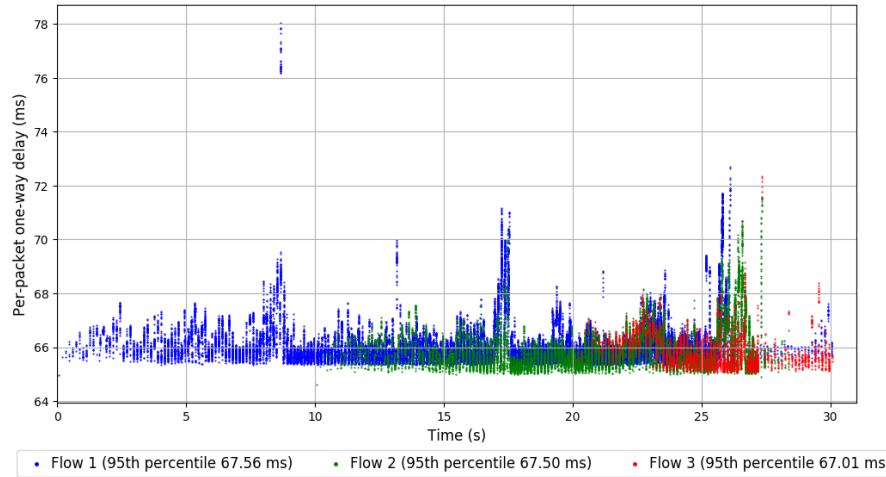
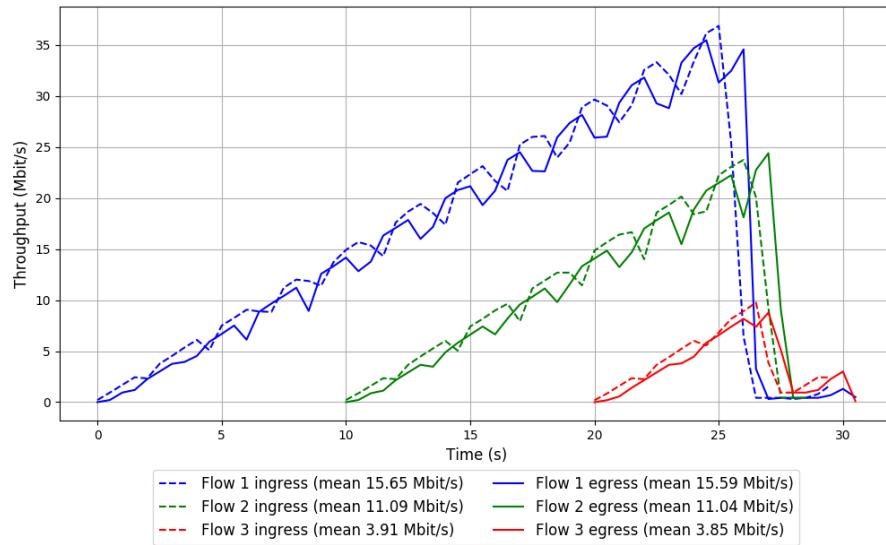


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-05 15:00:12
End at: 2018-06-05 15:00:42
Local clock offset: 4.984 ms
Remote clock offset: -5.395 ms

# Below is generated by plot.py at 2018-06-05 15:16:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.60 Mbit/s
95th percentile per-packet one-way delay: 67.506 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 15.59 Mbit/s
95th percentile per-packet one-way delay: 67.557 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 67.505 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 67.006 ms
Loss rate: 1.61%
```

Run 10: Report of LEDBAT — Data Link

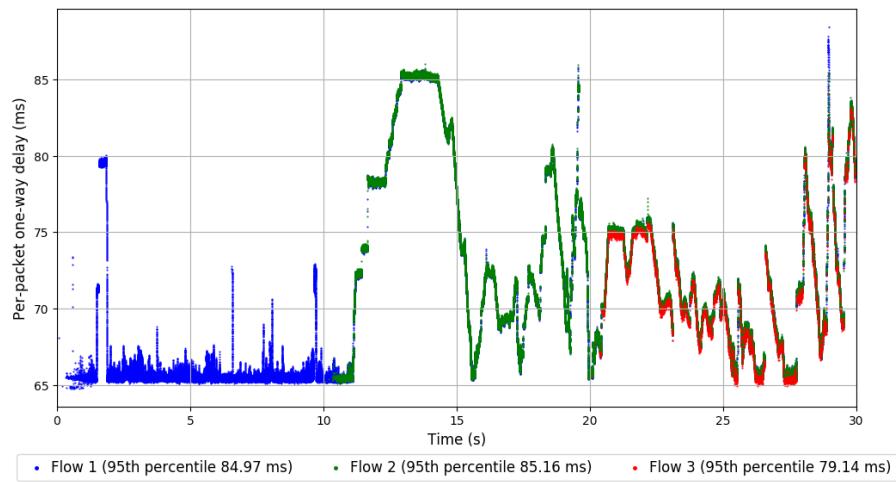
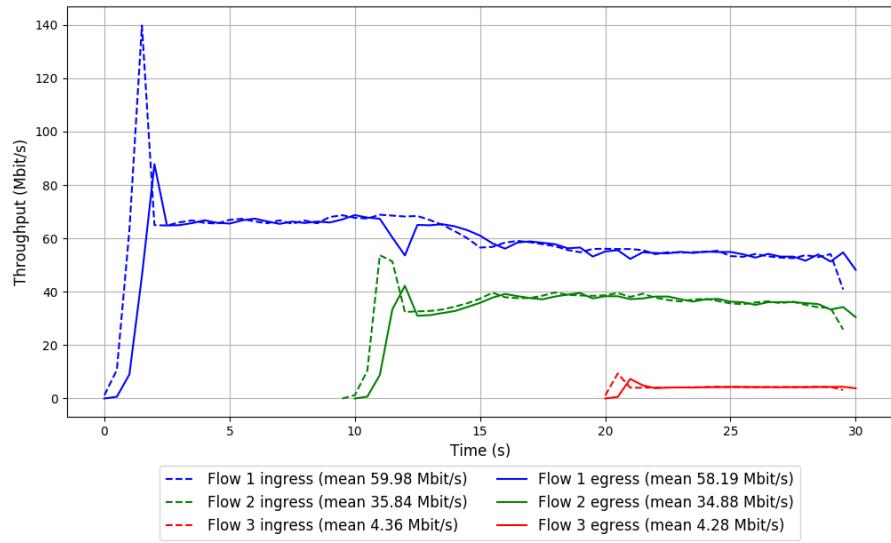


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-06-05 11:43:37
End at: 2018-06-05 11:44:07
Local clock offset: 7.712 ms
Remote clock offset: -5.265 ms

# Below is generated by plot.py at 2018-06-05 15:17:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 85.035 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 58.19 Mbit/s
95th percentile per-packet one-way delay: 84.971 ms
Loss rate: 2.95%
-- Flow 2:
Average throughput: 34.88 Mbit/s
95th percentile per-packet one-way delay: 85.162 ms
Loss rate: 2.61%
-- Flow 3:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 79.142 ms
Loss rate: 1.55%
```

Run 1: Report of PCC-Allegro — Data Link

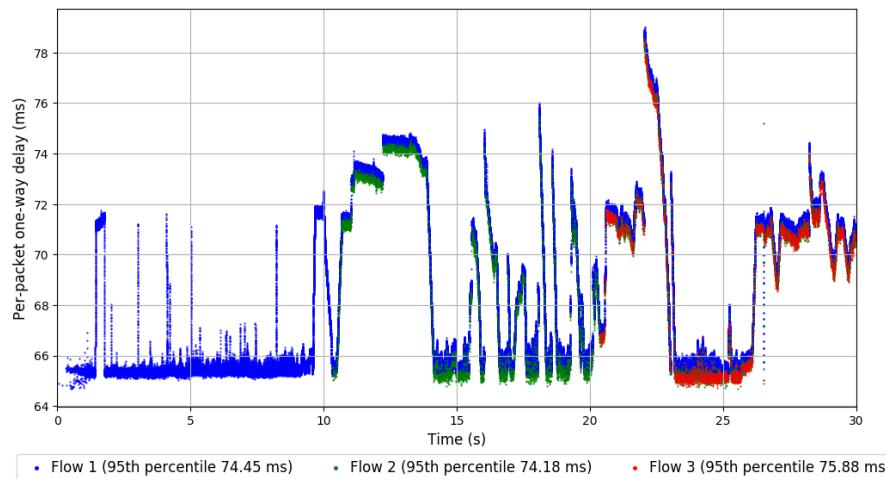
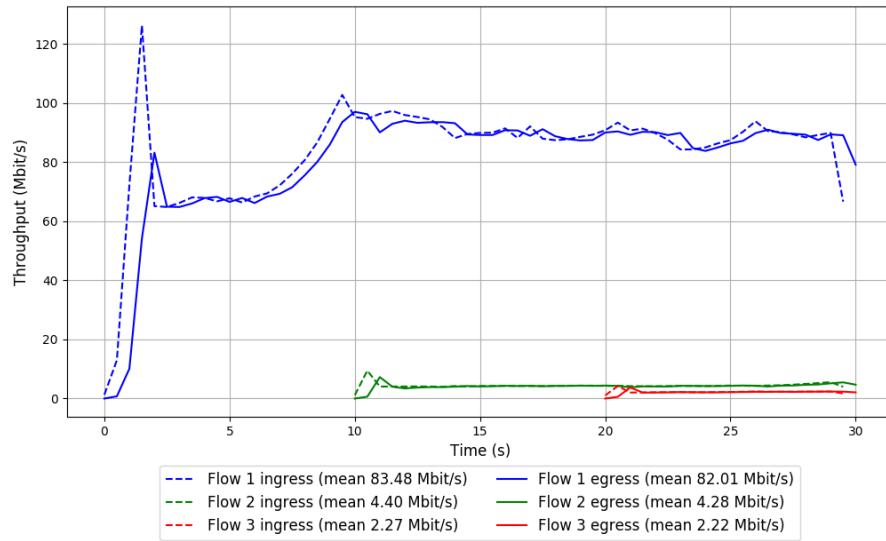


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-05 12:06:41
End at: 2018-06-05 12:07:11
Local clock offset: 7.751 ms
Remote clock offset: -4.59 ms

# Below is generated by plot.py at 2018-06-05 15:17:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.59 Mbit/s
95th percentile per-packet one-way delay: 74.445 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 82.01 Mbit/s
95th percentile per-packet one-way delay: 74.449 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 74.178 ms
Loss rate: 2.84%
-- Flow 3:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 75.882 ms
Loss rate: 2.05%
```

Run 2: Report of PCC-Allegro — Data Link

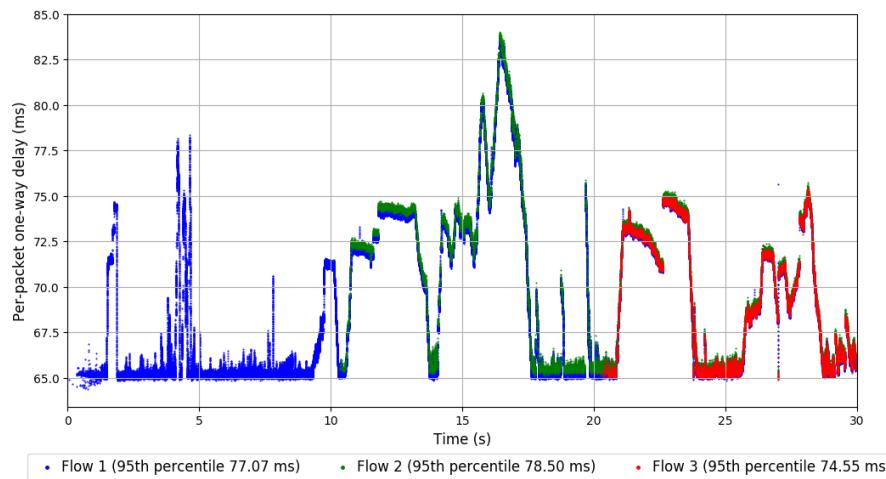
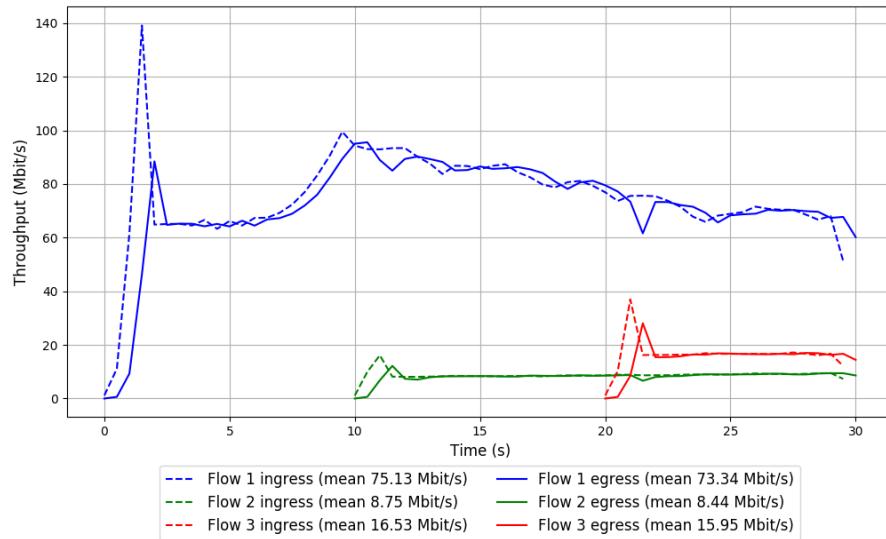


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-05 12:29:01
End at: 2018-06-05 12:29:31
Local clock offset: 5.59 ms
Remote clock offset: -5.449 ms

# Below is generated by plot.py at 2018-06-05 15:17:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.21 Mbit/s
95th percentile per-packet one-way delay: 76.728 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 73.34 Mbit/s
95th percentile per-packet one-way delay: 77.068 ms
Loss rate: 2.38%
-- Flow 2:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 78.500 ms
Loss rate: 3.54%
-- Flow 3:
Average throughput: 15.95 Mbit/s
95th percentile per-packet one-way delay: 74.552 ms
Loss rate: 3.49%
```

Run 3: Report of PCC-Allegro — Data Link

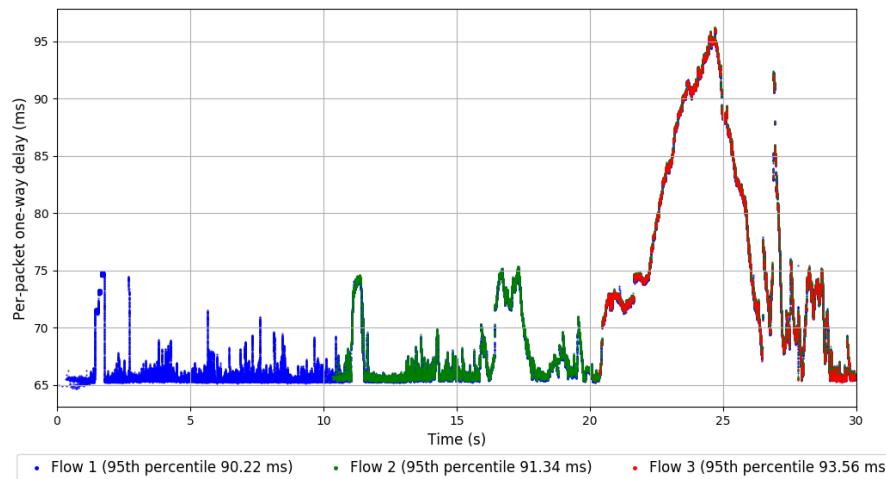
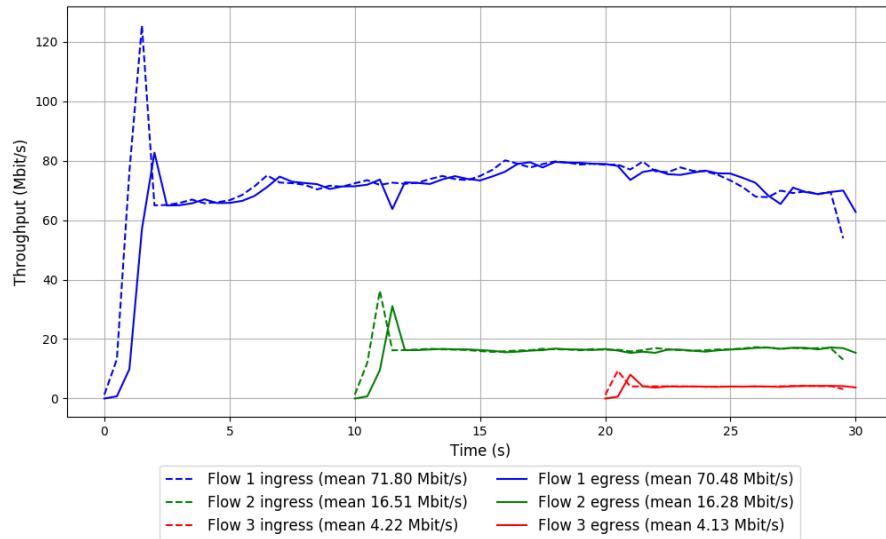


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-05 12:51:24
End at: 2018-06-05 12:51:54
Local clock offset: 5.402 ms
Remote clock offset: -5.516 ms

# Below is generated by plot.py at 2018-06-05 15:17:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.66 Mbit/s
95th percentile per-packet one-way delay: 90.612 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 70.48 Mbit/s
95th percentile per-packet one-way delay: 90.225 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 16.28 Mbit/s
95th percentile per-packet one-way delay: 91.341 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 93.563 ms
Loss rate: 2.17%
```

Run 4: Report of PCC-Allegro — Data Link

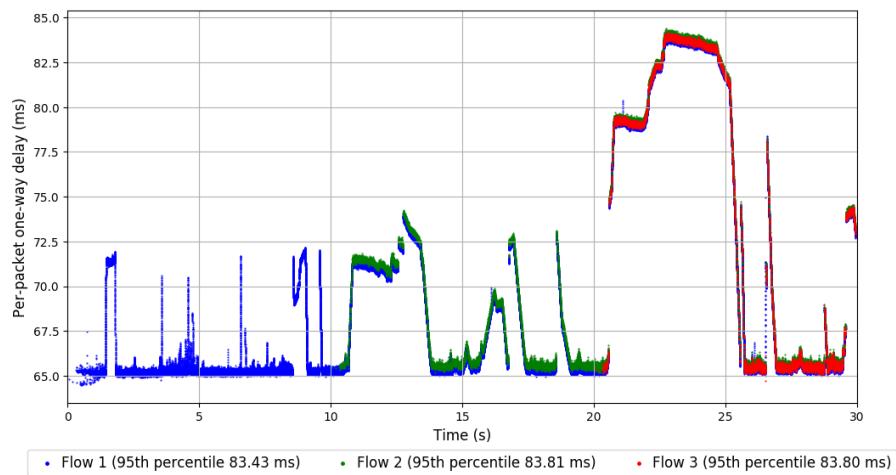
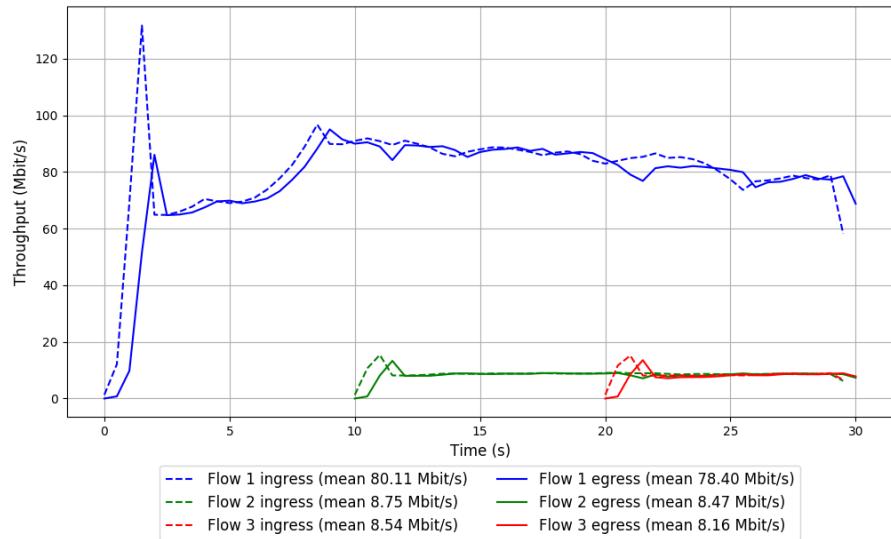


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-05 13:13:32
End at: 2018-06-05 13:14:02
Local clock offset: 4.769 ms
Remote clock offset: -5.759 ms

# Below is generated by plot.py at 2018-06-05 15:17:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.73 Mbit/s
95th percentile per-packet one-way delay: 83.496 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: 83.432 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 83.810 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 8.16 Mbit/s
95th percentile per-packet one-way delay: 83.795 ms
Loss rate: 4.41%
```

Run 5: Report of PCC-Allegro — Data Link

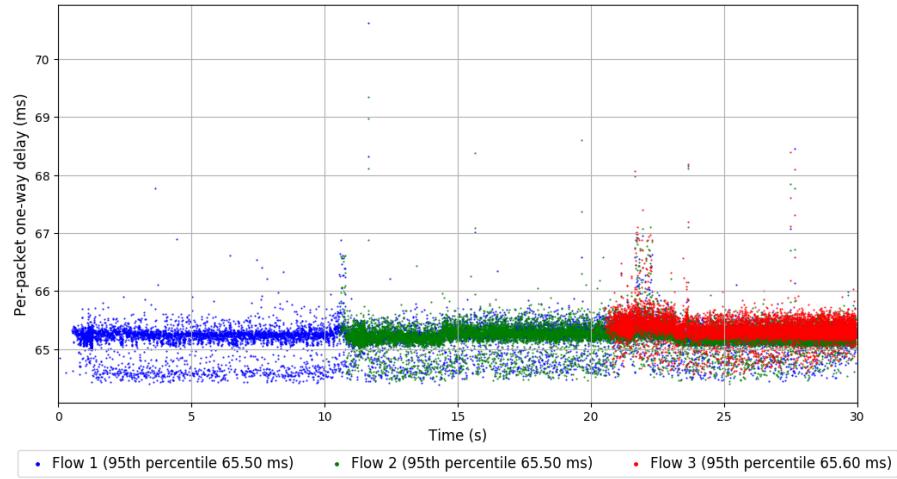
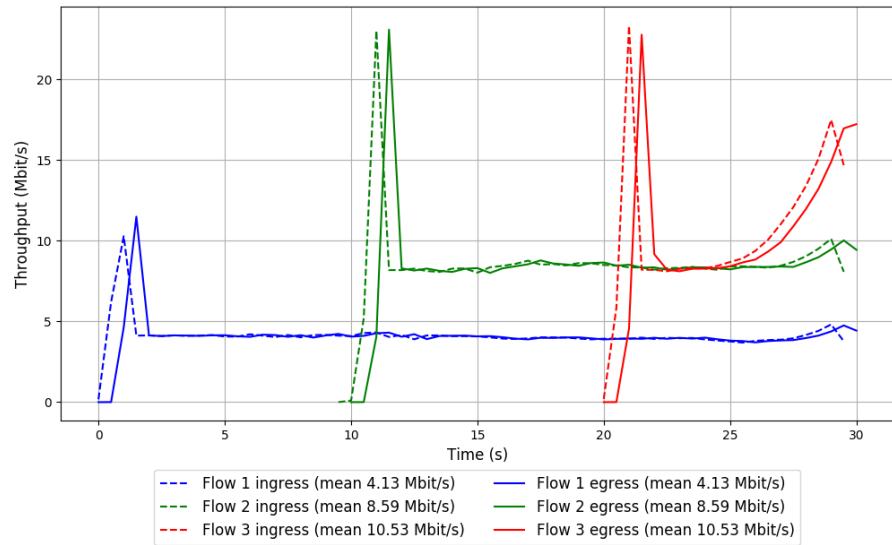


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-05 13:35:38
End at: 2018-06-05 13:36:08
Local clock offset: 4.027 ms
Remote clock offset: -5.716 ms

# Below is generated by plot.py at 2018-06-05 15:17:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.32 Mbit/s
95th percentile per-packet one-way delay: 65.539 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 65.498 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.59 Mbit/s
95th percentile per-packet one-way delay: 65.499 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 10.53 Mbit/s
95th percentile per-packet one-way delay: 65.604 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Allegro — Data Link

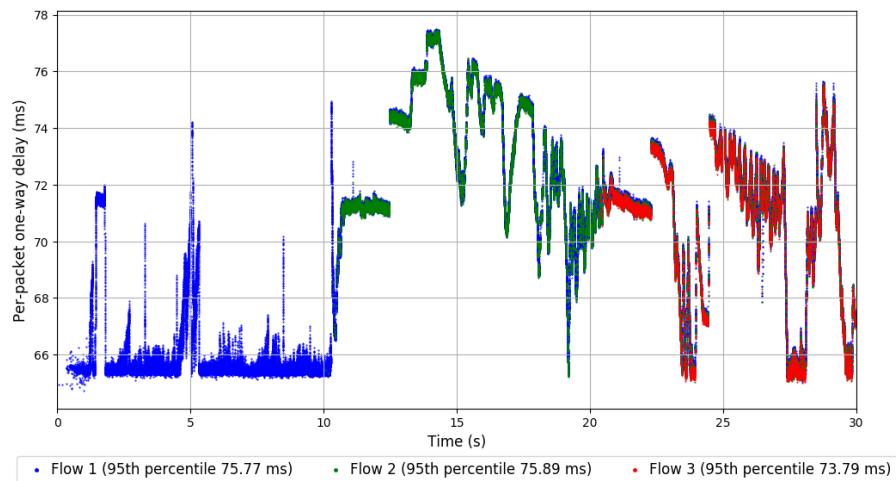
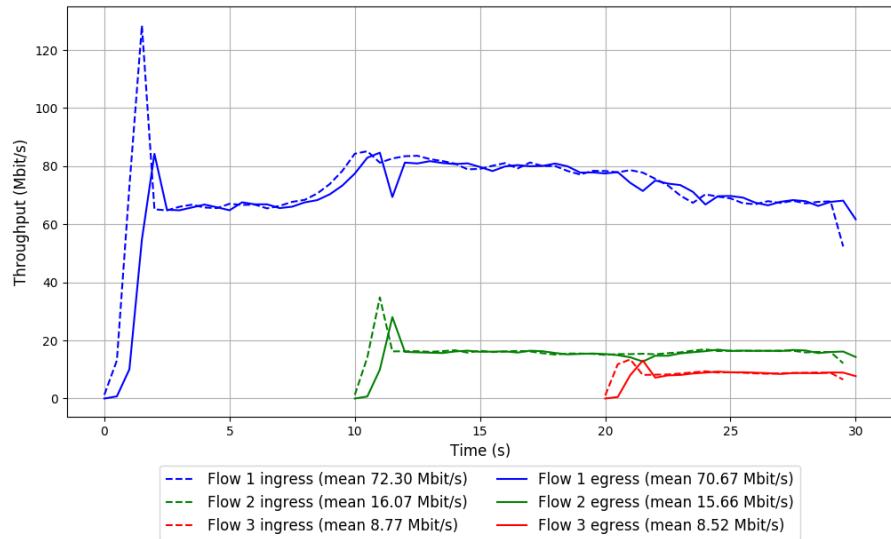


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-05 13:58:21
End at: 2018-06-05 13:58:51
Local clock offset: 3.97 ms
Remote clock offset: -5.292 ms

# Below is generated by plot.py at 2018-06-05 15:17:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.89 Mbit/s
95th percentile per-packet one-way delay: 75.766 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 70.67 Mbit/s
95th percentile per-packet one-way delay: 75.769 ms
Loss rate: 2.24%
-- Flow 2:
Average throughput: 15.66 Mbit/s
95th percentile per-packet one-way delay: 75.885 ms
Loss rate: 2.56%
-- Flow 3:
Average throughput: 8.52 Mbit/s
95th percentile per-packet one-way delay: 73.790 ms
Loss rate: 2.86%
```

Run 7: Report of PCC-Allegro — Data Link

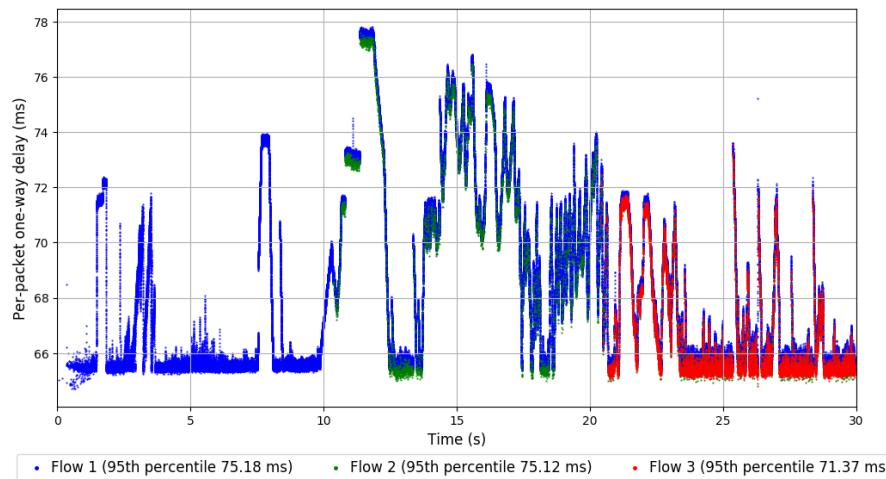
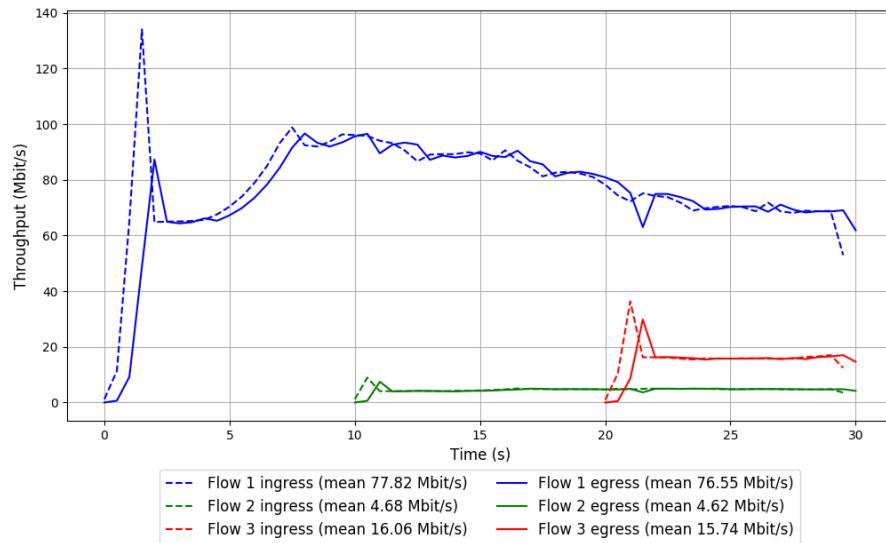


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-05 14:20:14
End at: 2018-06-05 14:20:44
Local clock offset: 5.873 ms
Remote clock offset: -1.266 ms

# Below is generated by plot.py at 2018-06-05 15:17:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 75.066 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 76.55 Mbit/s
95th percentile per-packet one-way delay: 75.176 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 75.123 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 71.369 ms
Loss rate: 2.06%
```

Run 8: Report of PCC-Allegro — Data Link

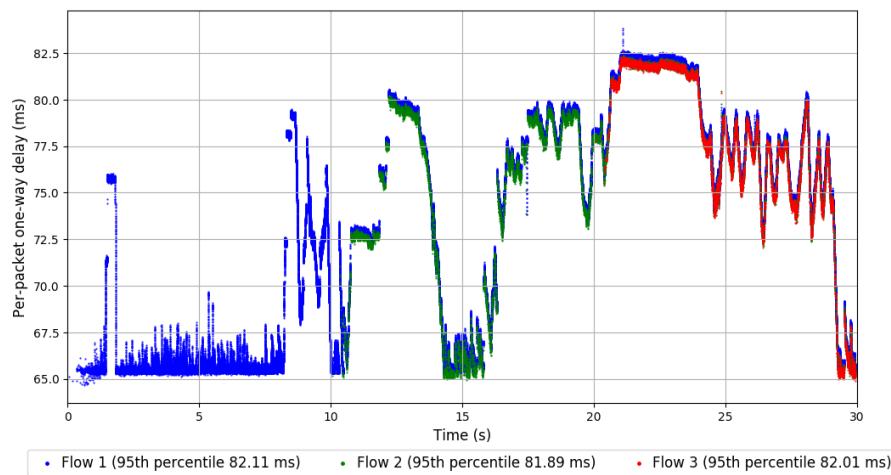
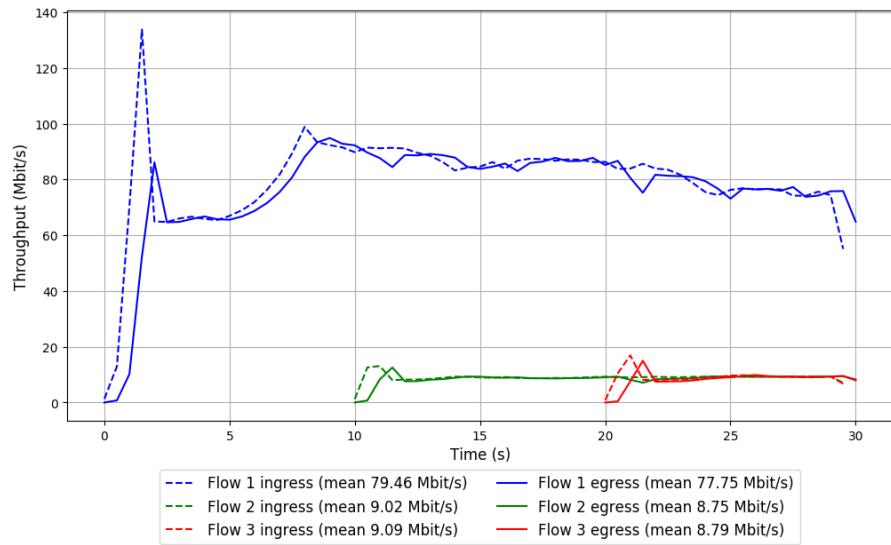


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-05 14:42:12
End at: 2018-06-05 14:42:42
Local clock offset: 6.669 ms
Remote clock offset: -4.066 ms

# Below is generated by plot.py at 2018-06-05 15:17:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 82.088 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 77.75 Mbit/s
95th percentile per-packet one-way delay: 82.105 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 8.75 Mbit/s
95th percentile per-packet one-way delay: 81.886 ms
Loss rate: 3.00%
-- Flow 3:
Average throughput: 8.79 Mbit/s
95th percentile per-packet one-way delay: 82.006 ms
Loss rate: 3.46%
```

Run 9: Report of PCC-Allegro — Data Link

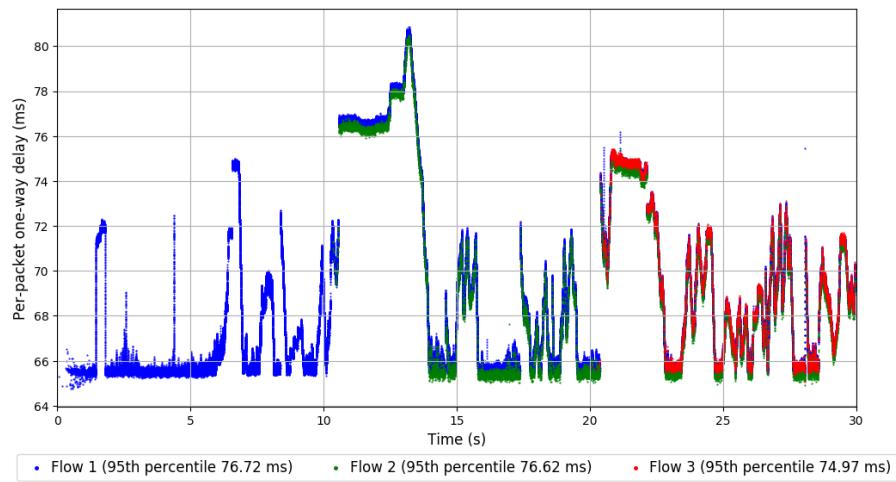
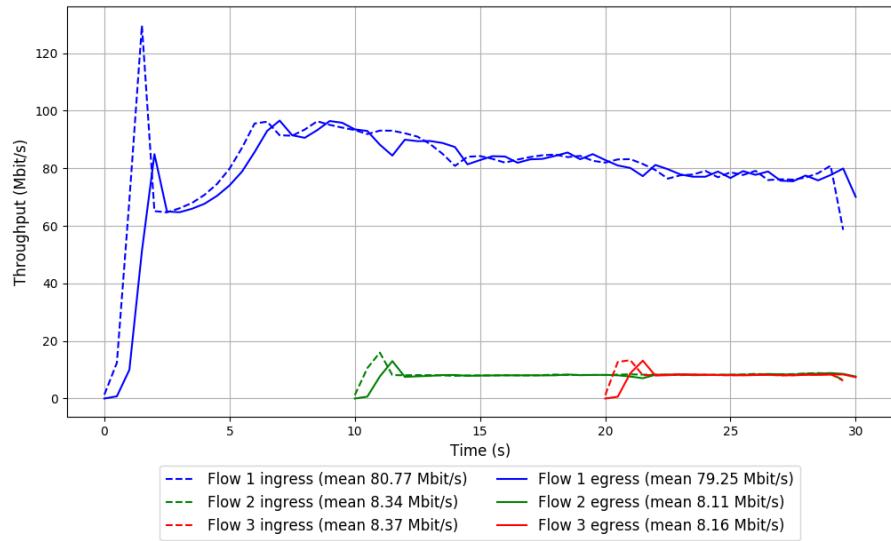


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-05 15:04:19
End at: 2018-06-05 15:04:49
Local clock offset: 4.904 ms
Remote clock offset: -5.459 ms

# Below is generated by plot.py at 2018-06-05 15:18:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 76.711 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: 76.725 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 8.11 Mbit/s
95th percentile per-packet one-way delay: 76.623 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 8.16 Mbit/s
95th percentile per-packet one-way delay: 74.967 ms
Loss rate: 2.44%
```

Run 10: Report of PCC-Allegro — Data Link

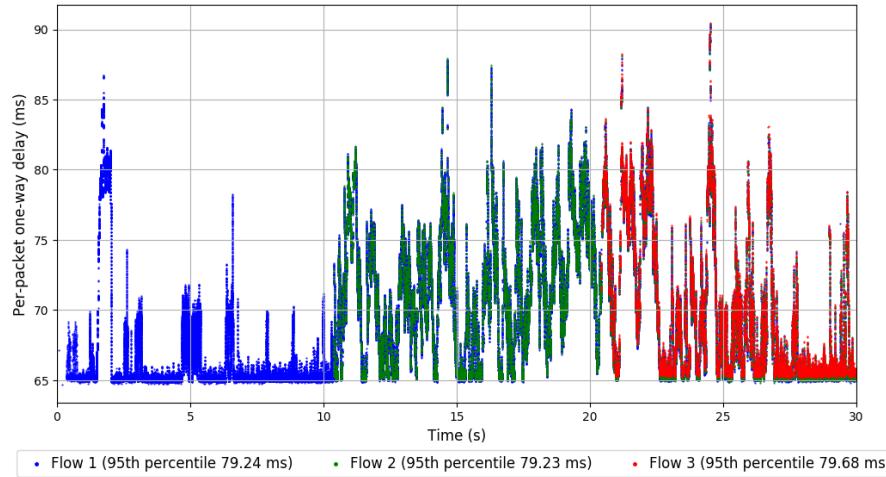
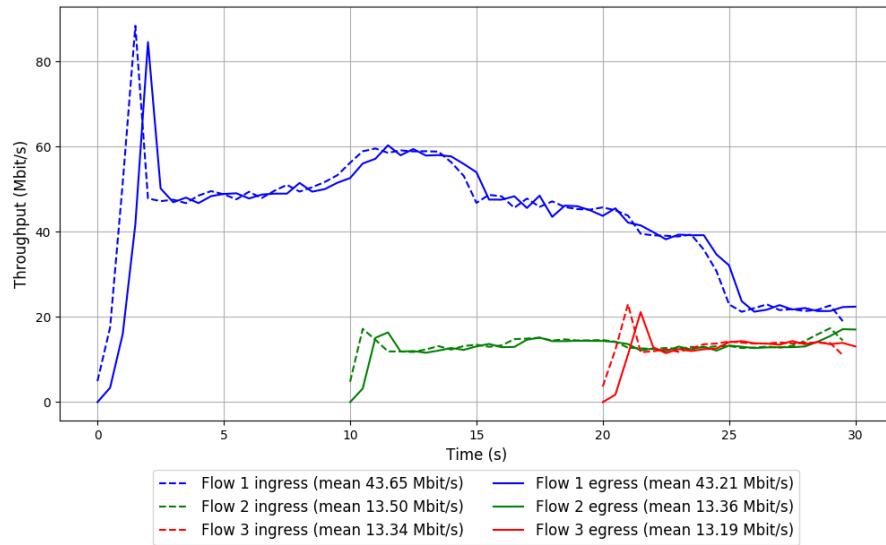


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-06-05 11:38:02
End at: 2018-06-05 11:38:32
Local clock offset: 7.859 ms
Remote clock offset: -5.58 ms

# Below is generated by plot.py at 2018-06-05 15:18:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 79.286 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 79.238 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 13.36 Mbit/s
95th percentile per-packet one-way delay: 79.234 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 79.681 ms
Loss rate: 1.21%
```

Run 1: Report of PCC-Expr — Data Link

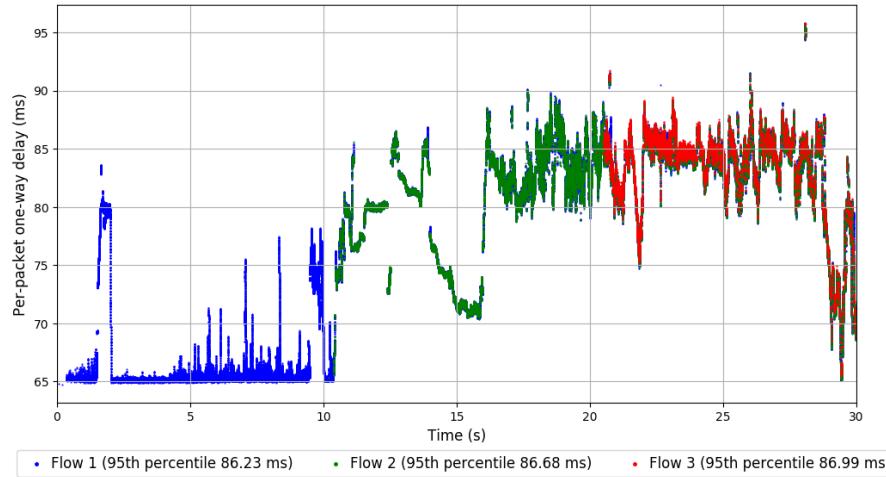
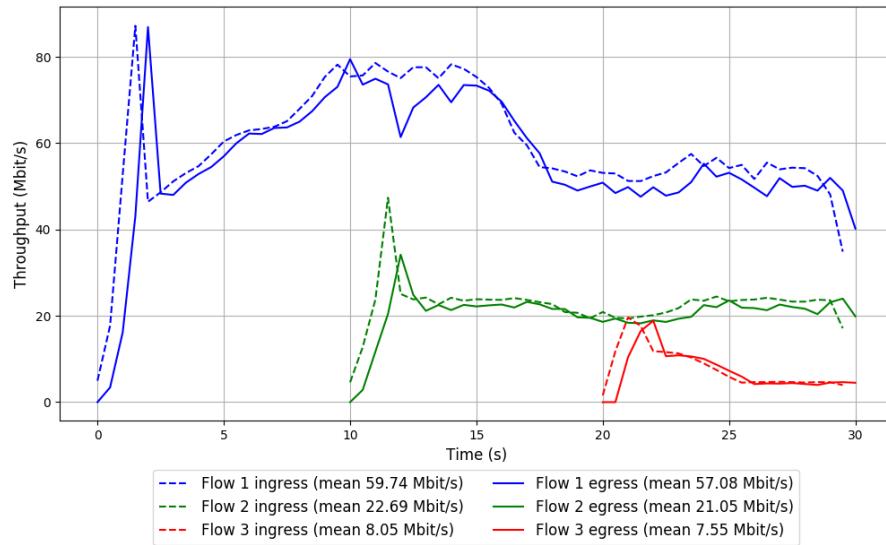


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-05 12:01:12
End at: 2018-06-05 12:01:42
Local clock offset: 7.715 ms
Remote clock offset: -4.584 ms

# Below is generated by plot.py at 2018-06-05 15:19:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.57 Mbit/s
95th percentile per-packet one-way delay: 86.384 ms
Loss rate: 5.04%
-- Flow 1:
Average throughput: 57.08 Mbit/s
95th percentile per-packet one-way delay: 86.226 ms
Loss rate: 4.44%
-- Flow 2:
Average throughput: 21.05 Mbit/s
95th percentile per-packet one-way delay: 86.684 ms
Loss rate: 7.19%
-- Flow 3:
Average throughput: 7.55 Mbit/s
95th percentile per-packet one-way delay: 86.989 ms
Loss rate: 6.34%
```

Run 2: Report of PCC-Expr — Data Link

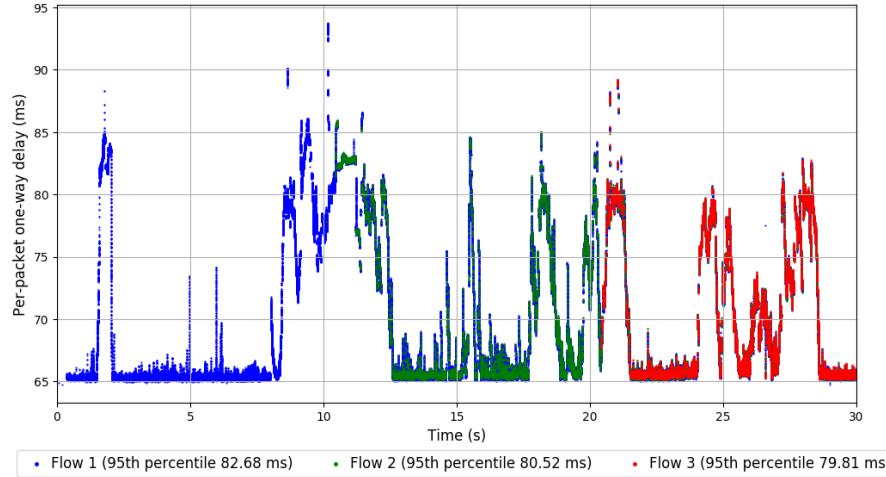
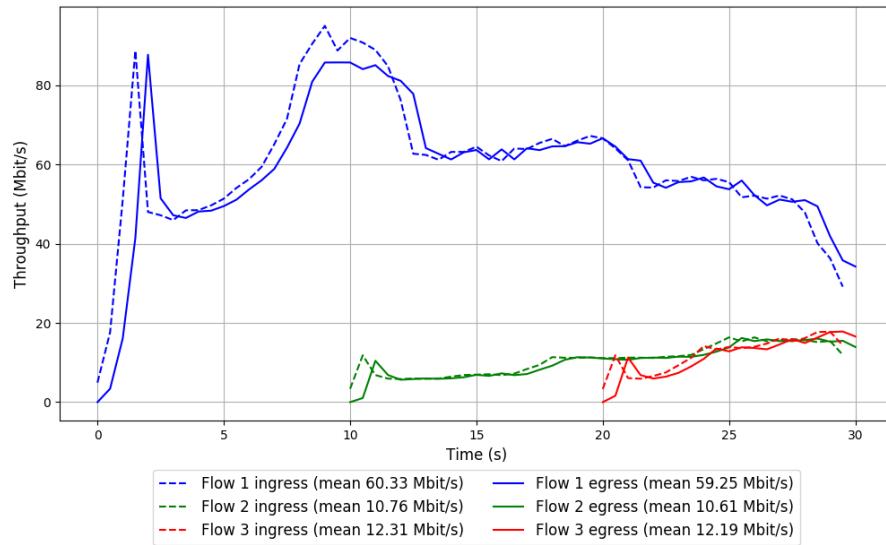


Run 3: Statistics of PCC-Expr

```
Start at: 2018-06-05 12:23:19
End at: 2018-06-05 12:23:49
Local clock offset: 5.778 ms
Remote clock offset: -5.138 ms

# Below is generated by plot.py at 2018-06-05 15:19:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.33 Mbit/s
95th percentile per-packet one-way delay: 82.592 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 82.682 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 10.61 Mbit/s
95th percentile per-packet one-way delay: 80.517 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 79.811 ms
Loss rate: 1.04%
```

Run 3: Report of PCC-Expr — Data Link

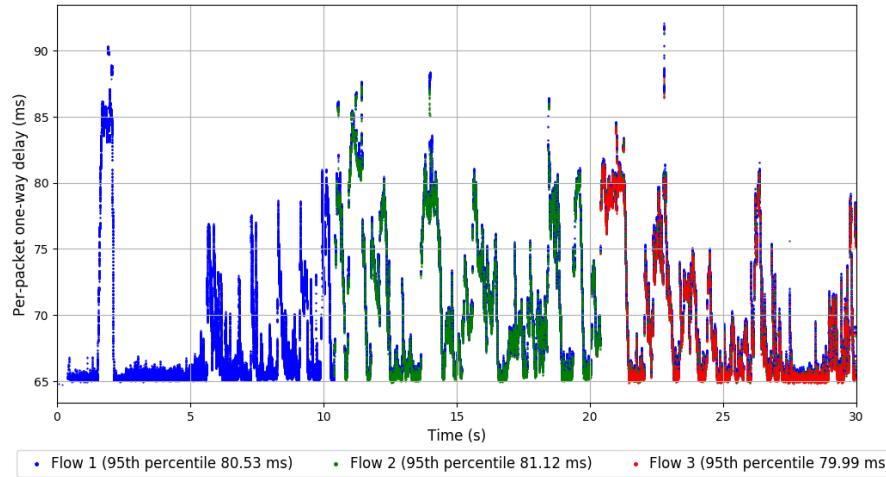
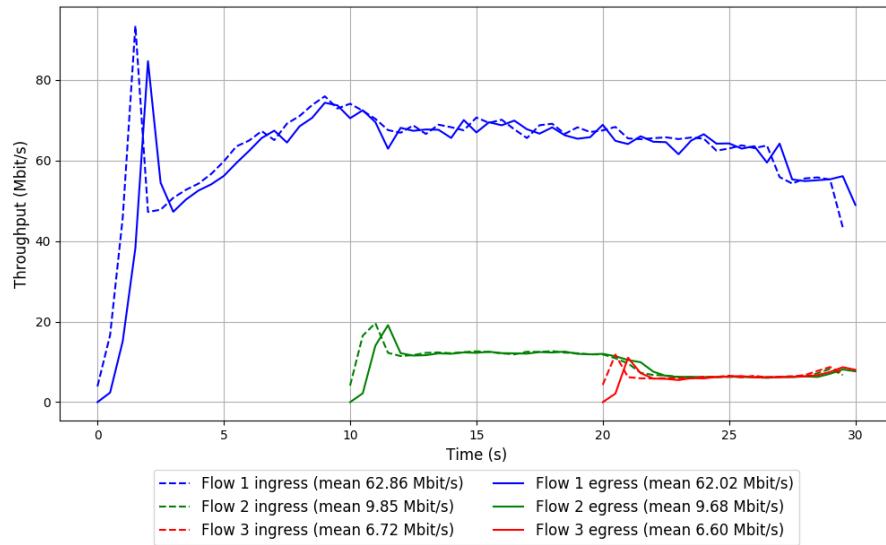


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-05 12:45:43
End at: 2018-06-05 12:46:13
Local clock offset: 5.503 ms
Remote clock offset: -5.616 ms

# Below is generated by plot.py at 2018-06-05 15:19:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.64 Mbit/s
95th percentile per-packet one-way delay: 80.546 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 62.02 Mbit/s
95th percentile per-packet one-way delay: 80.533 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 81.124 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 79.986 ms
Loss rate: 1.77%
```

Run 4: Report of PCC-Expr — Data Link

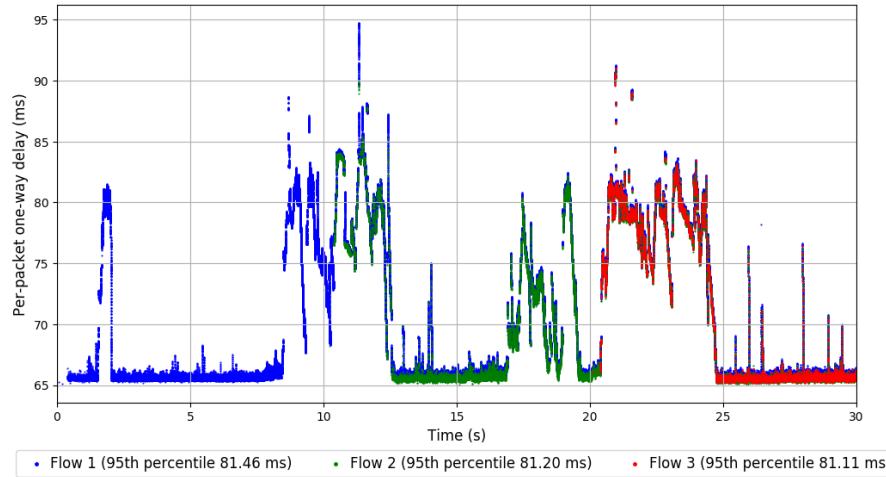
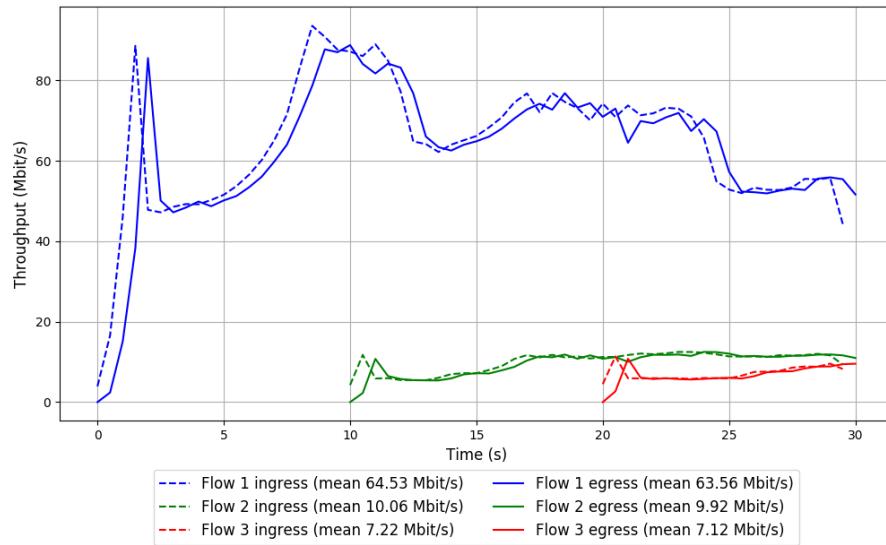


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-05 13:08:00
End at: 2018-06-05 13:08:30
Local clock offset: 5.09 ms
Remote clock offset: -5.649 ms

# Below is generated by plot.py at 2018-06-05 15:19:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.51 Mbit/s
95th percentile per-packet one-way delay: 81.412 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 63.56 Mbit/s
95th percentile per-packet one-way delay: 81.456 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 9.92 Mbit/s
95th percentile per-packet one-way delay: 81.198 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 81.105 ms
Loss rate: 1.42%
```

Run 5: Report of PCC-Expr — Data Link

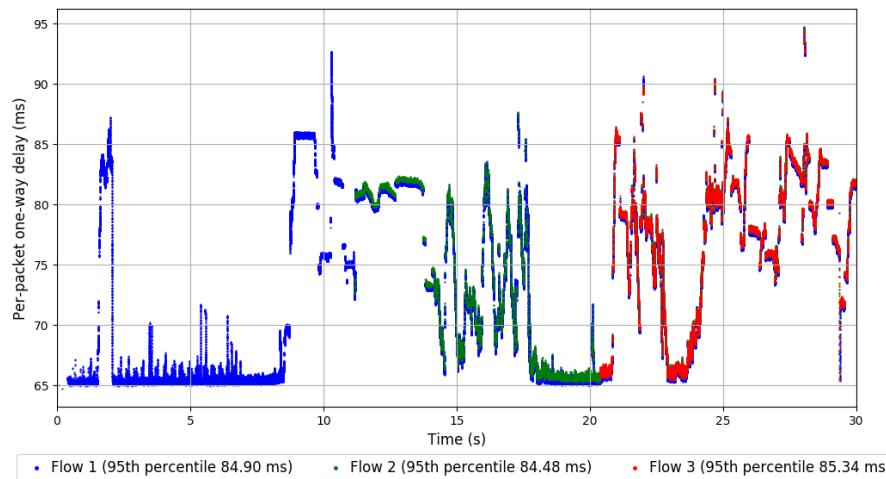
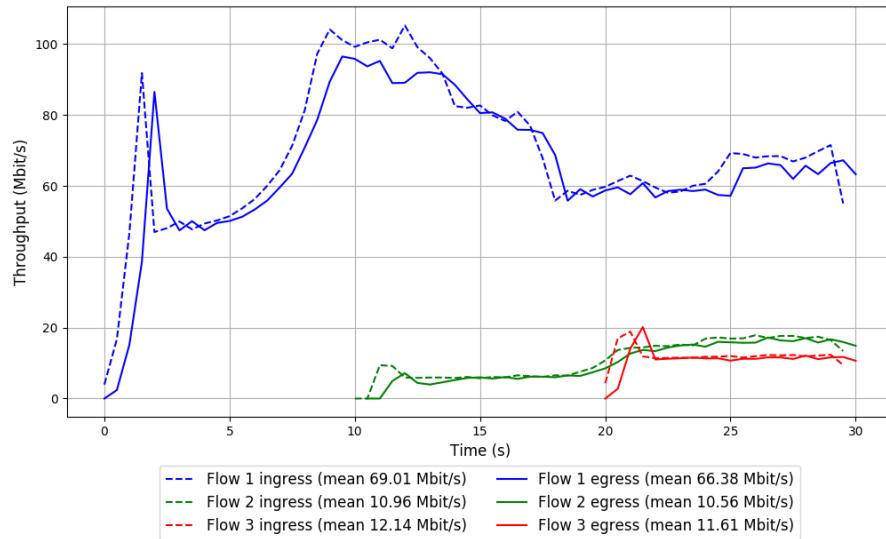


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-05 13:30:04
End at: 2018-06-05 13:30:34
Local clock offset: 4.098 ms
Remote clock offset: -5.763 ms

# Below is generated by plot.py at 2018-06-05 15:19:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.06 Mbit/s
95th percentile per-packet one-way delay: 84.867 ms
Loss rate: 4.00%
-- Flow 1:
Average throughput: 66.38 Mbit/s
95th percentile per-packet one-way delay: 84.899 ms
Loss rate: 3.76%
-- Flow 2:
Average throughput: 10.56 Mbit/s
95th percentile per-packet one-way delay: 84.476 ms
Loss rate: 6.09%
-- Flow 3:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 85.340 ms
Loss rate: 4.23%
```

Run 6: Report of PCC-Expr — Data Link

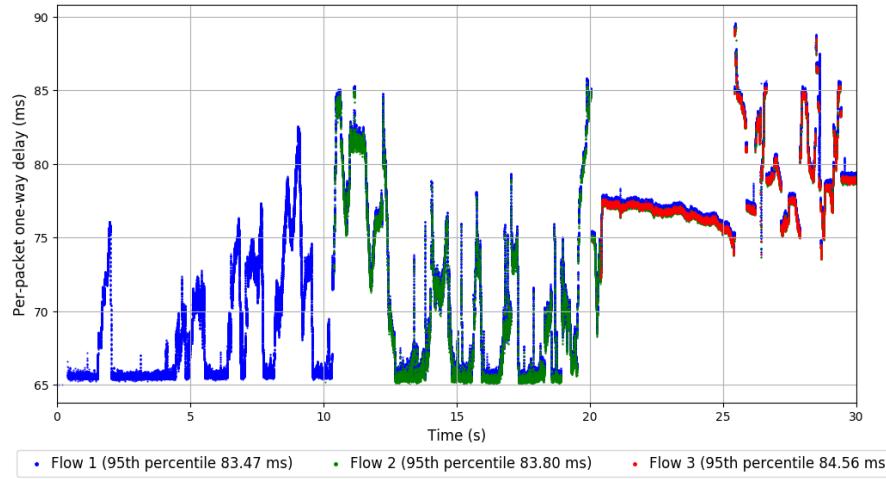
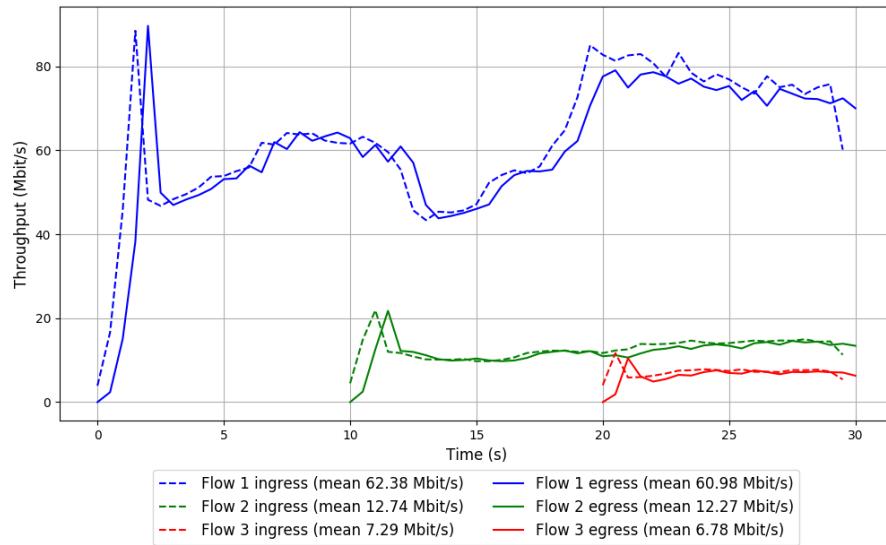


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-05 13:52:50
End at: 2018-06-05 13:53:20
Local clock offset: 3.962 ms
Remote clock offset: -5.774 ms

# Below is generated by plot.py at 2018-06-05 15:19:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.37 Mbit/s
95th percentile per-packet one-way delay: 83.600 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 60.98 Mbit/s
95th percentile per-packet one-way delay: 83.469 ms
Loss rate: 2.21%
-- Flow 2:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 83.799 ms
Loss rate: 3.61%
-- Flow 3:
Average throughput: 6.78 Mbit/s
95th percentile per-packet one-way delay: 84.556 ms
Loss rate: 7.04%
```

Run 7: Report of PCC-Expr — Data Link

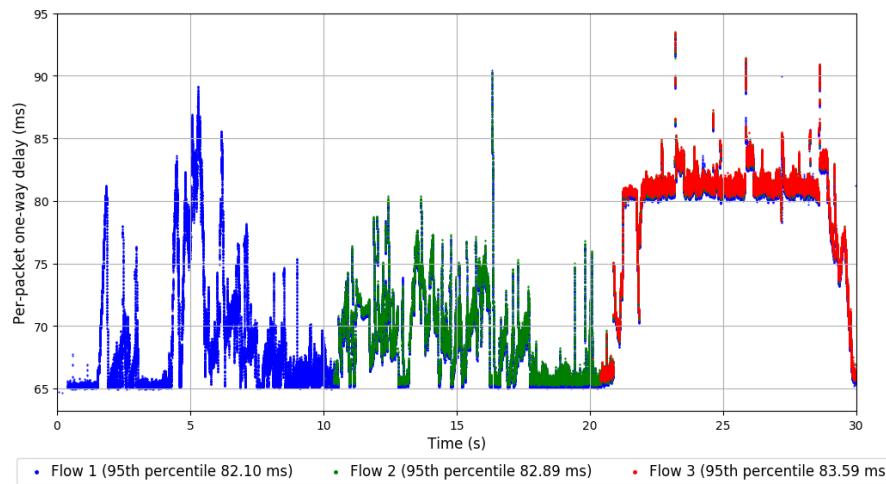
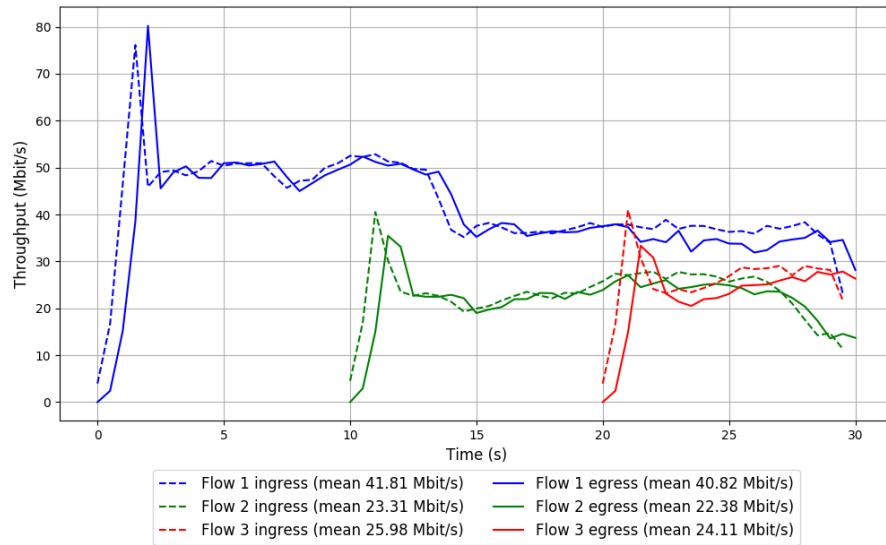


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-05 14:14:45
End at: 2018-06-05 14:15:15
Local clock offset: 5.138 ms
Remote clock offset: -1.724 ms

# Below is generated by plot.py at 2018-06-05 15:20:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.64 Mbit/s
95th percentile per-packet one-way delay: 82.799 ms
Loss rate: 3.35%
-- Flow 1:
Average throughput: 40.82 Mbit/s
95th percentile per-packet one-way delay: 82.098 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 22.38 Mbit/s
95th percentile per-packet one-way delay: 82.893 ms
Loss rate: 4.02%
-- Flow 3:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 83.590 ms
Loss rate: 7.19%
```

Run 8: Report of PCC-Expr — Data Link

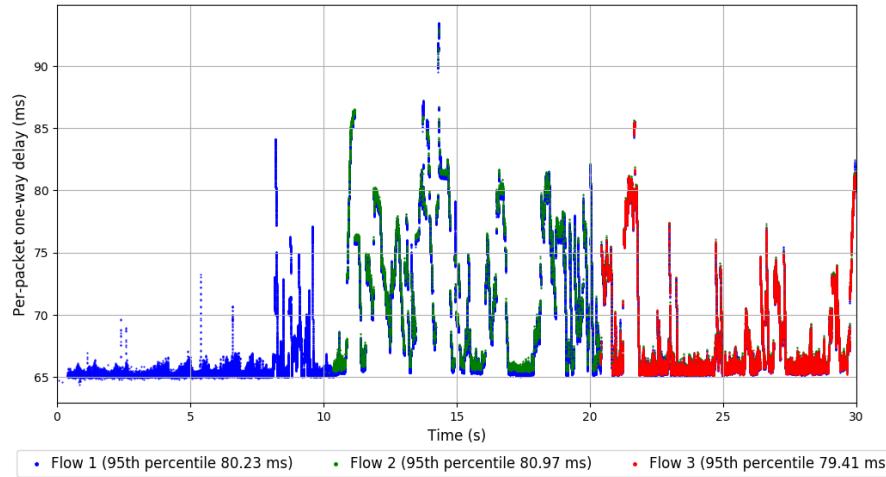
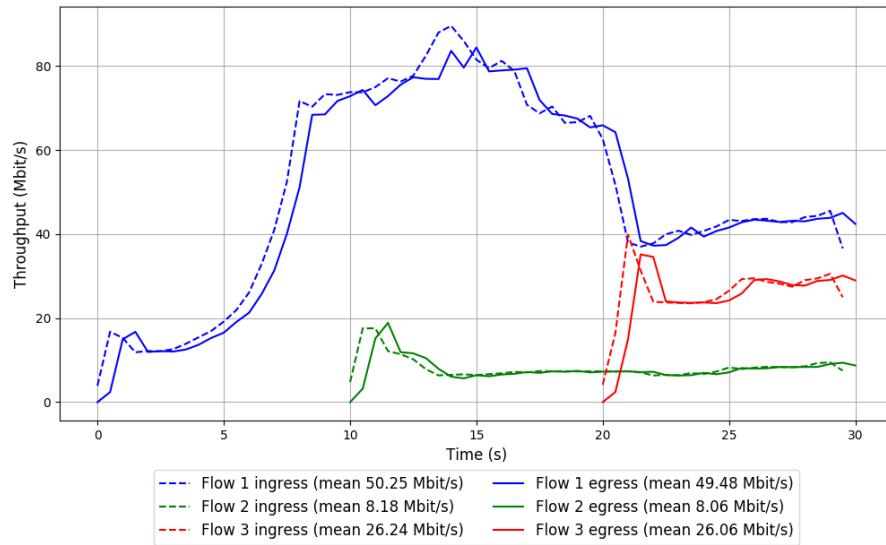


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-05 14:36:43
End at: 2018-06-05 14:37:13
Local clock offset: 7.132 ms
Remote clock offset: -2.832 ms

# Below is generated by plot.py at 2018-06-05 15:20:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.46 Mbit/s
95th percentile per-packet one-way delay: 80.065 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 49.48 Mbit/s
95th percentile per-packet one-way delay: 80.226 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 80.974 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 26.06 Mbit/s
95th percentile per-packet one-way delay: 79.412 ms
Loss rate: 0.58%
```

Run 9: Report of PCC-Expr — Data Link

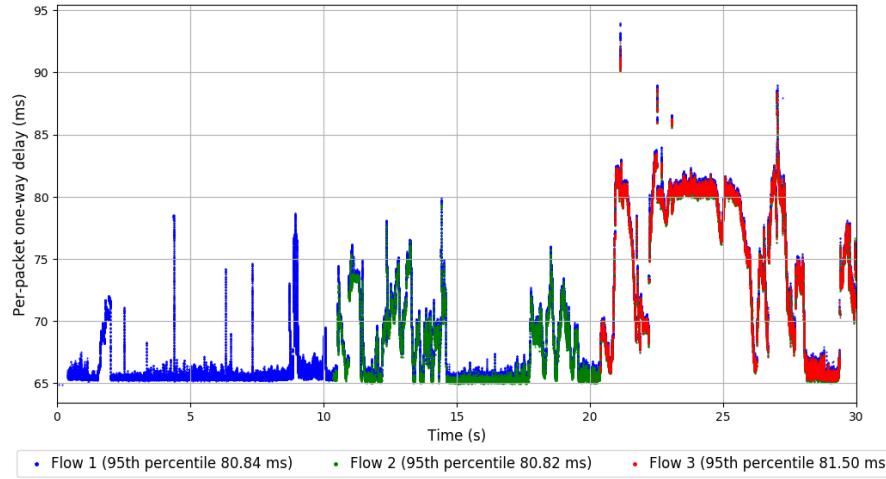
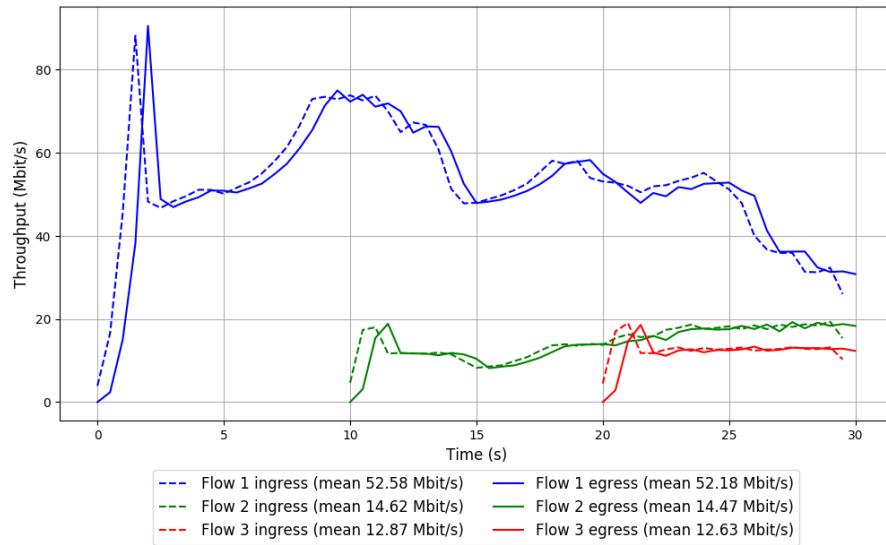


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-05 14:58:47
End at: 2018-06-05 14:59:17
Local clock offset: 5.021 ms
Remote clock offset: -5.407 ms

# Below is generated by plot.py at 2018-06-05 15:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.98 Mbit/s
95th percentile per-packet one-way delay: 80.880 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 52.18 Mbit/s
95th percentile per-packet one-way delay: 80.841 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 14.47 Mbit/s
95th percentile per-packet one-way delay: 80.823 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 12.63 Mbit/s
95th percentile per-packet one-way delay: 81.497 ms
Loss rate: 1.81%
```

Run 10: Report of PCC-Expr — Data Link

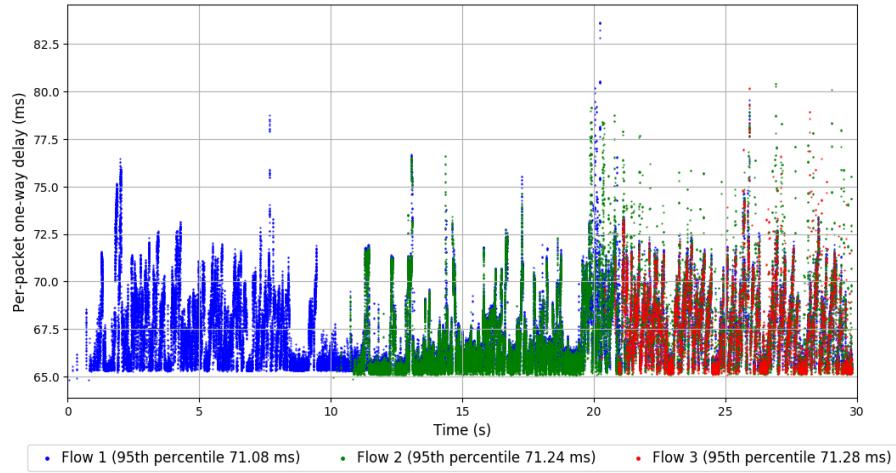
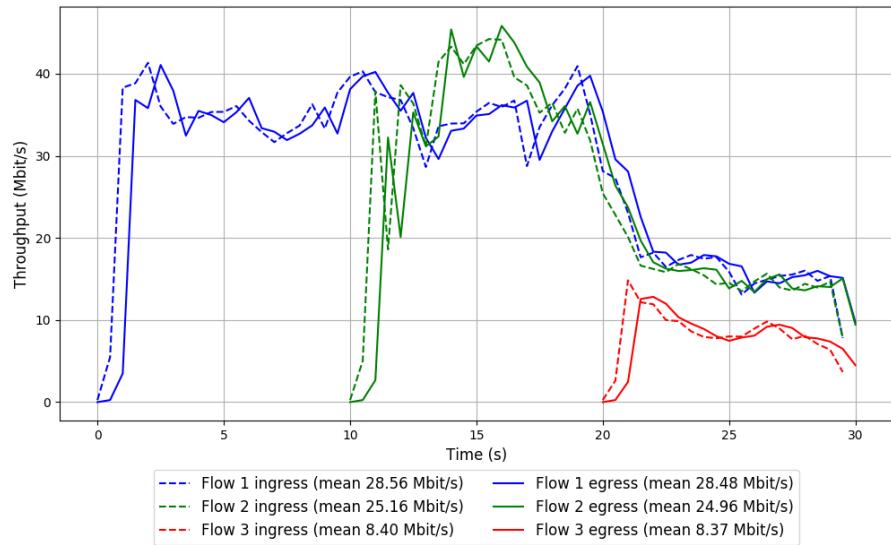


Run 1: Statistics of QUIC Cubic

```
Start at: 2018-06-05 11:28:21
End at: 2018-06-05 11:28:51
Local clock offset: 7.609 ms
Remote clock offset: -5.688 ms

# Below is generated by plot.py at 2018-06-05 15:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.75 Mbit/s
95th percentile per-packet one-way delay: 71.150 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 28.48 Mbit/s
95th percentile per-packet one-way delay: 71.081 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 71.237 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 71.284 ms
Loss rate: 0.33%
```

Run 1: Report of QUIC Cubic — Data Link

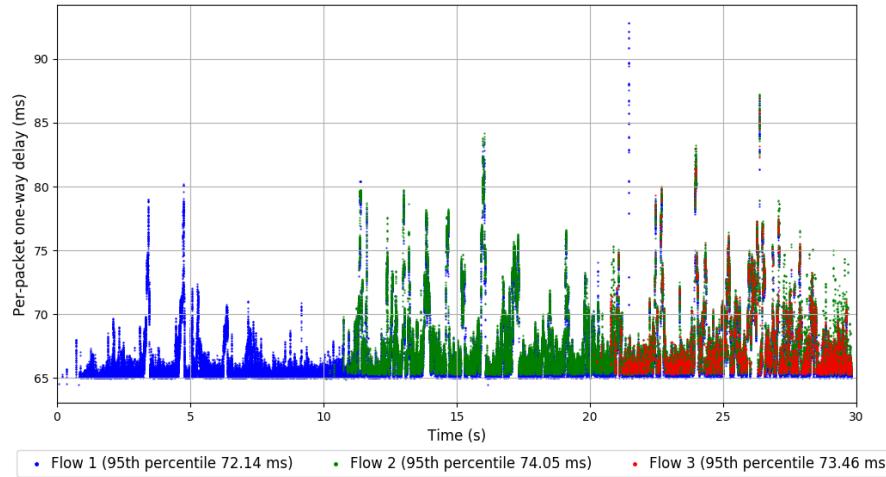
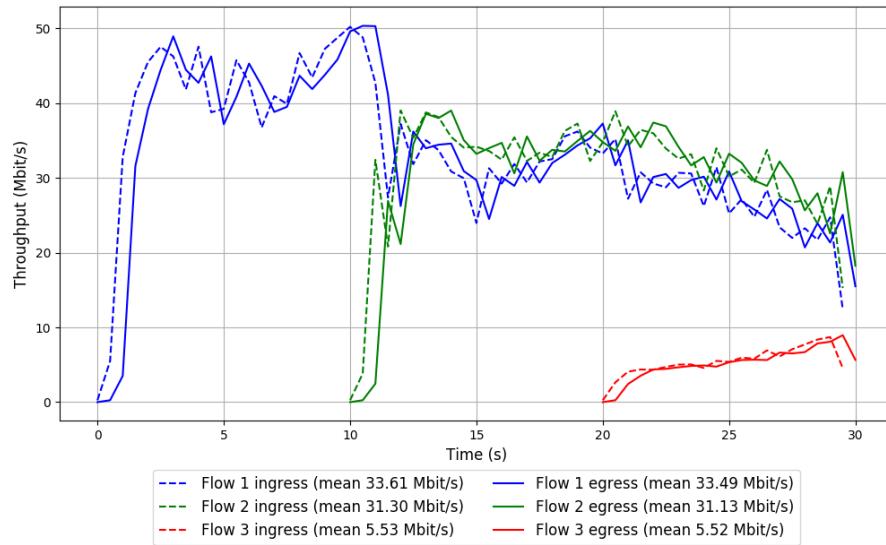


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-05 11:51:06
End at: 2018-06-05 11:51:36
Local clock offset: 7.674 ms
Remote clock offset: -4.847 ms

# Below is generated by plot.py at 2018-06-05 15:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.91 Mbit/s
95th percentile per-packet one-way delay: 73.025 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 33.49 Mbit/s
95th percentile per-packet one-way delay: 72.136 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 74.051 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 5.52 Mbit/s
95th percentile per-packet one-way delay: 73.464 ms
Loss rate: 0.27%
```

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

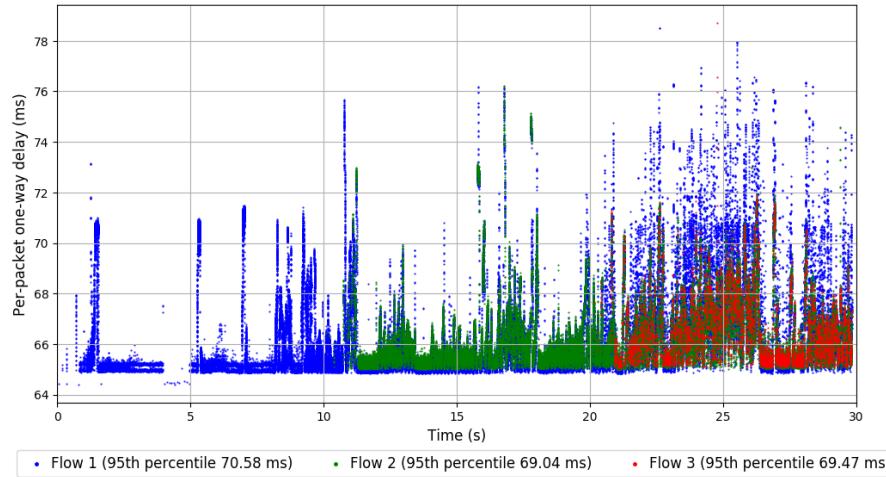
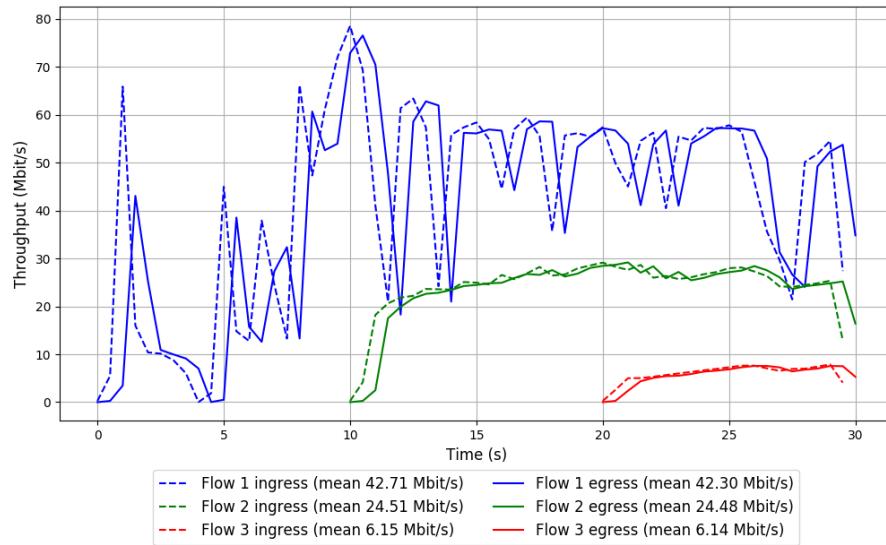


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-05 12:13:29
End at: 2018-06-05 12:13:59
Local clock offset: 7.01 ms
Remote clock offset: -4.409 ms

# Below is generated by plot.py at 2018-06-05 15:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.52 Mbit/s
95th percentile per-packet one-way delay: 70.338 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 42.30 Mbit/s
95th percentile per-packet one-way delay: 70.576 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 69.037 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 6.14 Mbit/s
95th percentile per-packet one-way delay: 69.466 ms
Loss rate: 0.15%
```

Run 3: Report of QUIC Cubic — Data Link

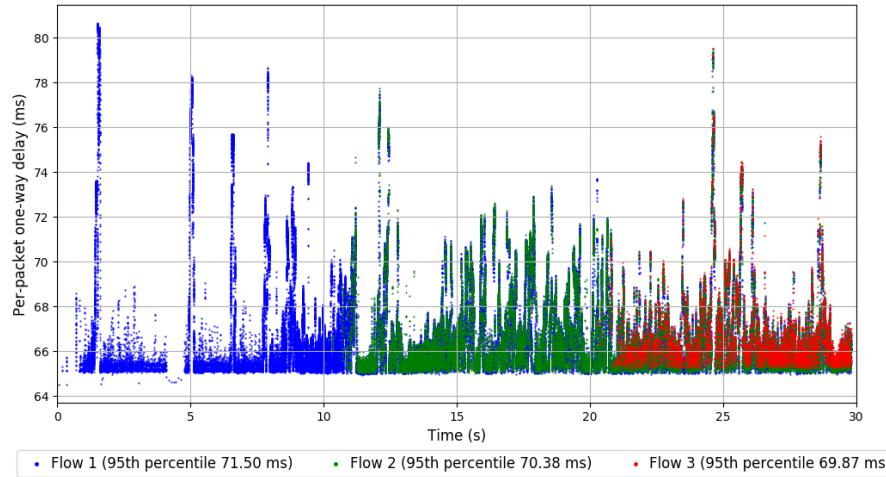
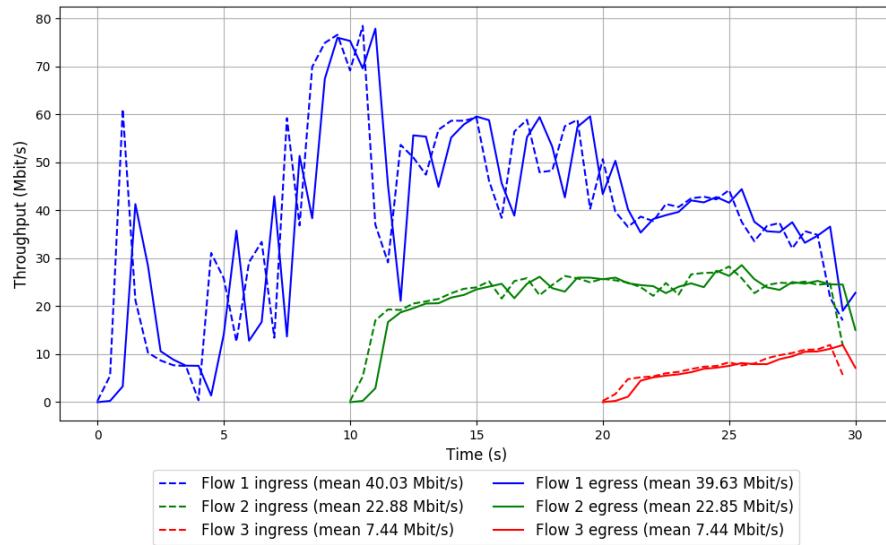


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-05 12:35:50
End at: 2018-06-05 12:36:20
Local clock offset: 5.398 ms
Remote clock offset: -5.523 ms

# Below is generated by plot.py at 2018-06-05 15:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.21 Mbit/s
95th percentile per-packet one-way delay: 71.150 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 71.497 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 22.85 Mbit/s
95th percentile per-packet one-way delay: 70.382 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: 69.869 ms
Loss rate: 0.11%
```

Run 4: Report of QUIC Cubic — Data Link

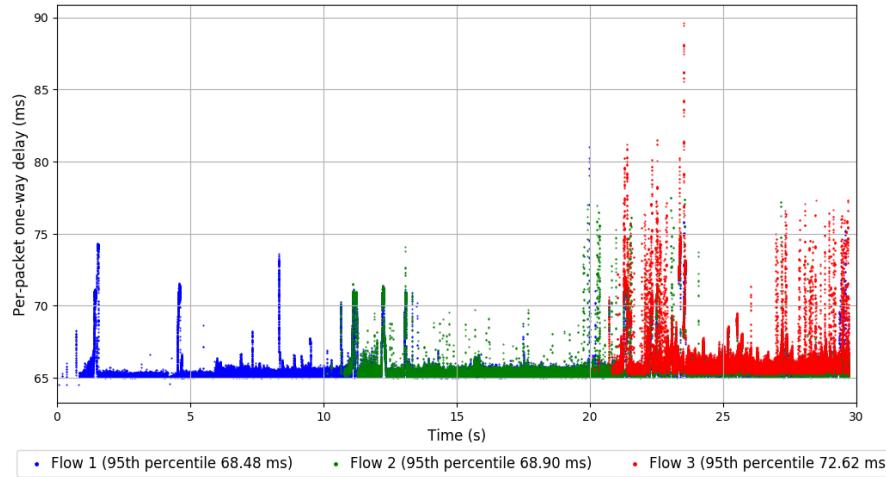
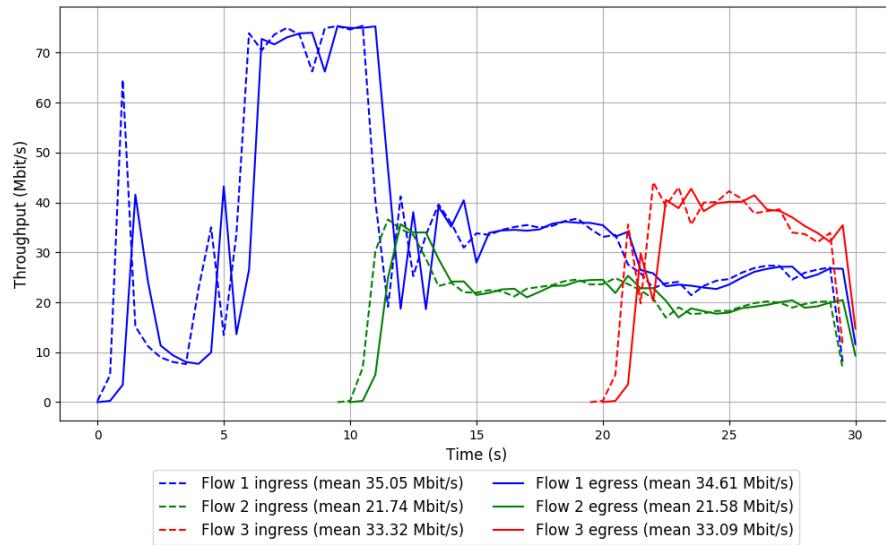


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-05 12:58:15
End at: 2018-06-05 12:58:45
Local clock offset: 5.344 ms
Remote clock offset: -5.53 ms

# Below is generated by plot.py at 2018-06-05 15:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.77 Mbit/s
95th percentile per-packet one-way delay: 70.038 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 34.61 Mbit/s
95th percentile per-packet one-way delay: 68.478 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 21.58 Mbit/s
95th percentile per-packet one-way delay: 68.902 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 72.617 ms
Loss rate: 0.70%
```

Run 5: Report of QUIC Cubic — Data Link

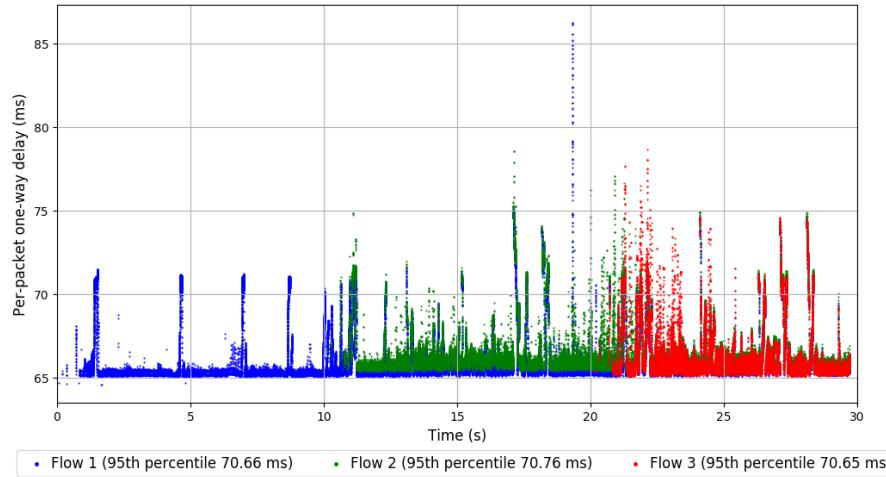
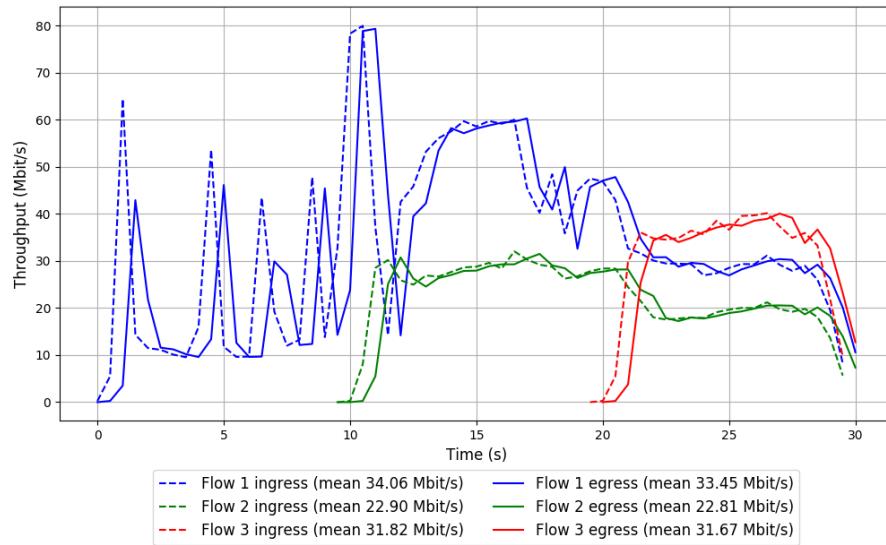


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-05 13:20:23
End at: 2018-06-05 13:20:53
Local clock offset: 4.298 ms
Remote clock offset: -5.896 ms

# Below is generated by plot.py at 2018-06-05 15:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 70.673 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 70.664 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 22.81 Mbit/s
95th percentile per-packet one-way delay: 70.758 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 70.654 ms
Loss rate: 0.49%
```

Run 6: Report of QUIC Cubic — Data Link

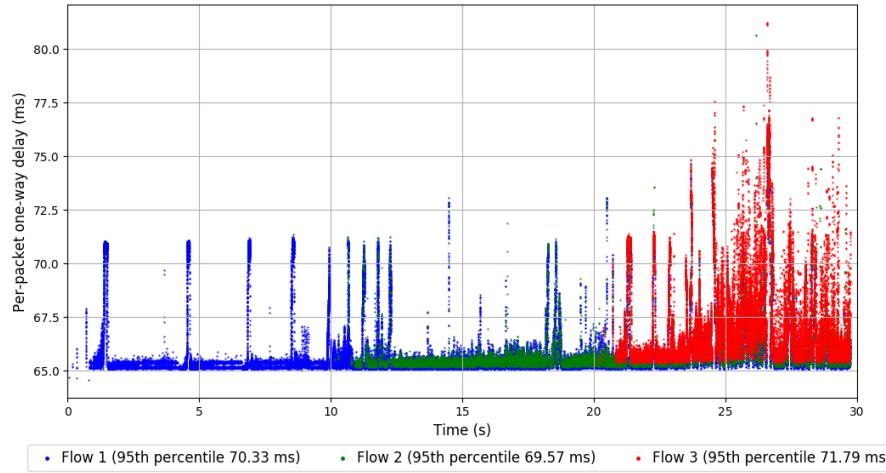
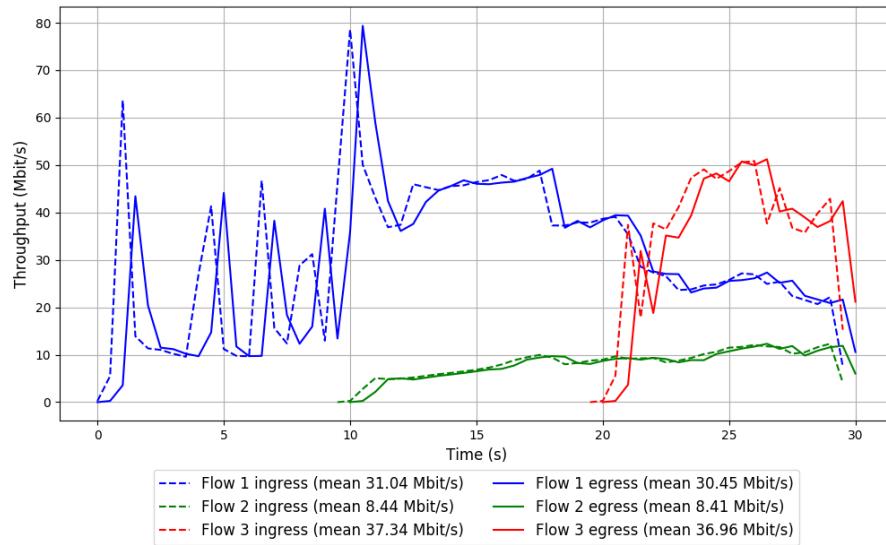


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-05 13:43:05
End at: 2018-06-05 13:43:35
Local clock offset: 4.028 ms
Remote clock offset: -5.679 ms

# Below is generated by plot.py at 2018-06-05 15:20:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.10 Mbit/s
95th percentile per-packet one-way delay: 70.702 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 70.335 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 69.569 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 71.794 ms
Loss rate: 0.96%
```

Run 7: Report of QUIC Cubic — Data Link

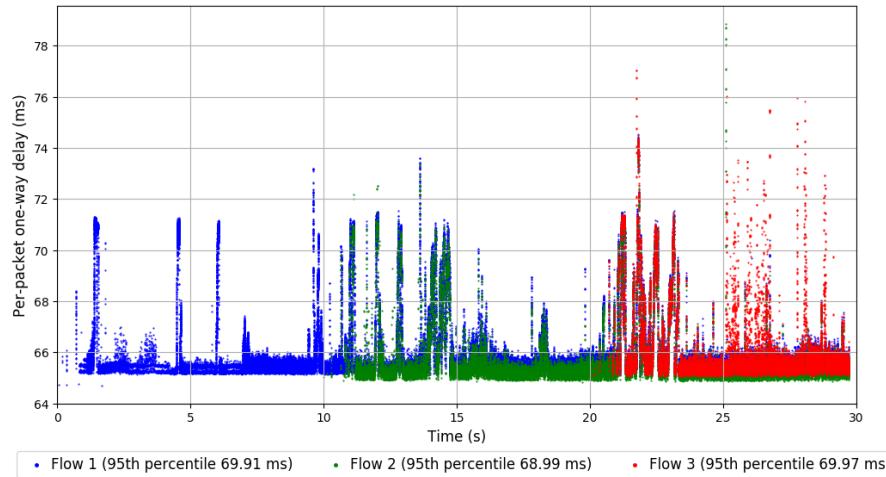
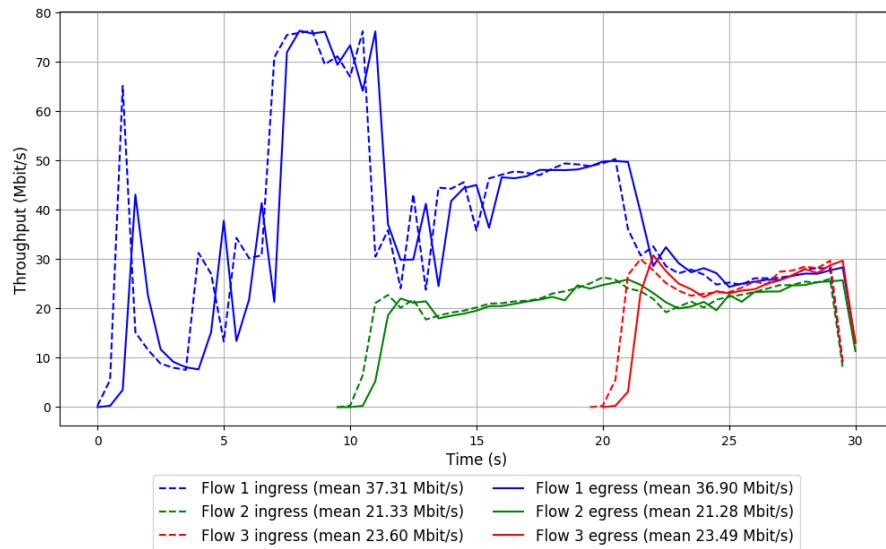


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-05 14:05:07
End at: 2018-06-05 14:05:37
Local clock offset: 4.086 ms
Remote clock offset: -3.227 ms

# Below is generated by plot.py at 2018-06-05 15:21:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 69.692 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 36.90 Mbit/s
95th percentile per-packet one-way delay: 69.907 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 21.28 Mbit/s
95th percentile per-packet one-way delay: 68.992 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 23.49 Mbit/s
95th percentile per-packet one-way delay: 69.965 ms
Loss rate: 0.46%
```

Run 8: Report of QUIC Cubic — Data Link

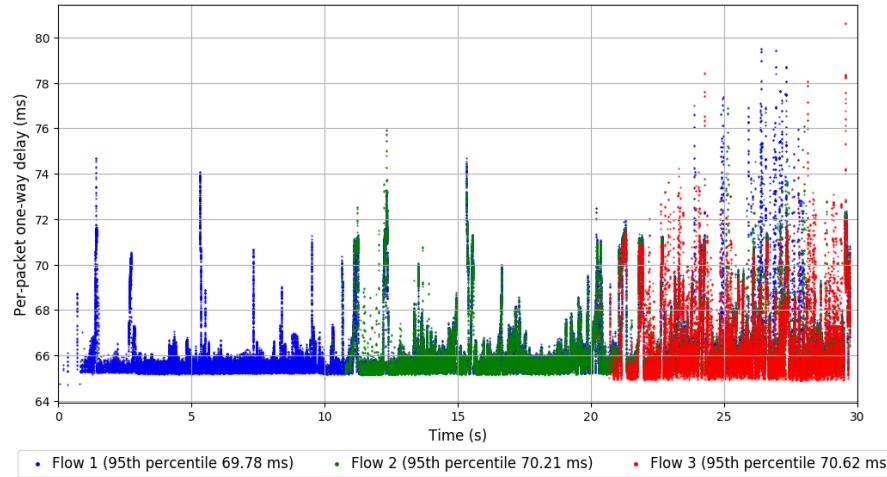
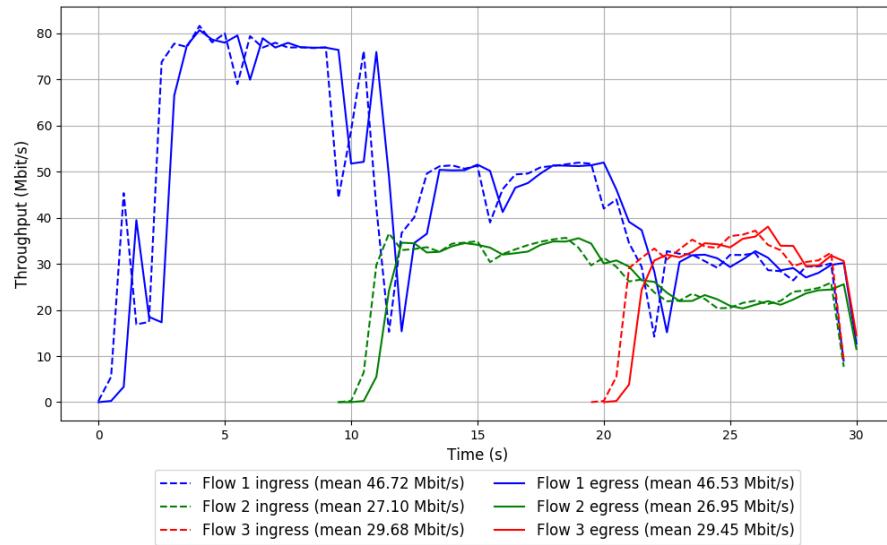


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-05 14:27:00
End at: 2018-06-05 14:27:30
Local clock offset: 6.595 ms
Remote clock offset: -0.734 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.07 Mbit/s
95th percentile per-packet one-way delay: 70.139 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 46.53 Mbit/s
95th percentile per-packet one-way delay: 69.776 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 70.213 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 29.45 Mbit/s
95th percentile per-packet one-way delay: 70.623 ms
Loss rate: 0.73%
```

Run 9: Report of QUIC Cubic — Data Link

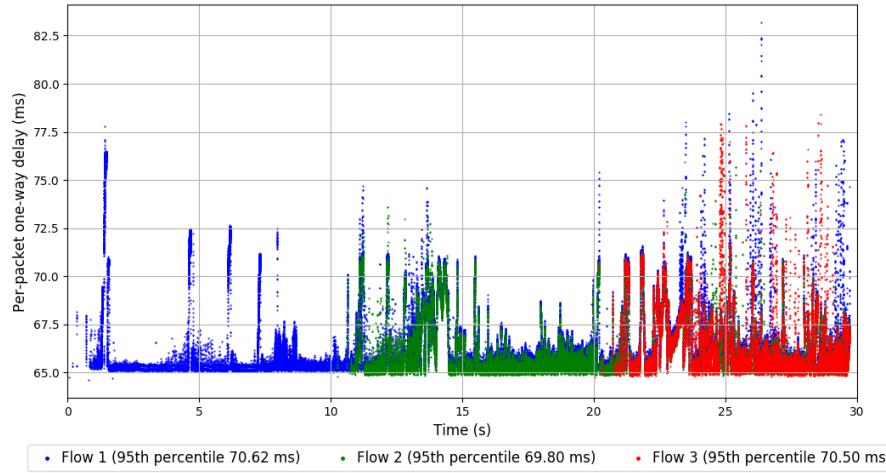
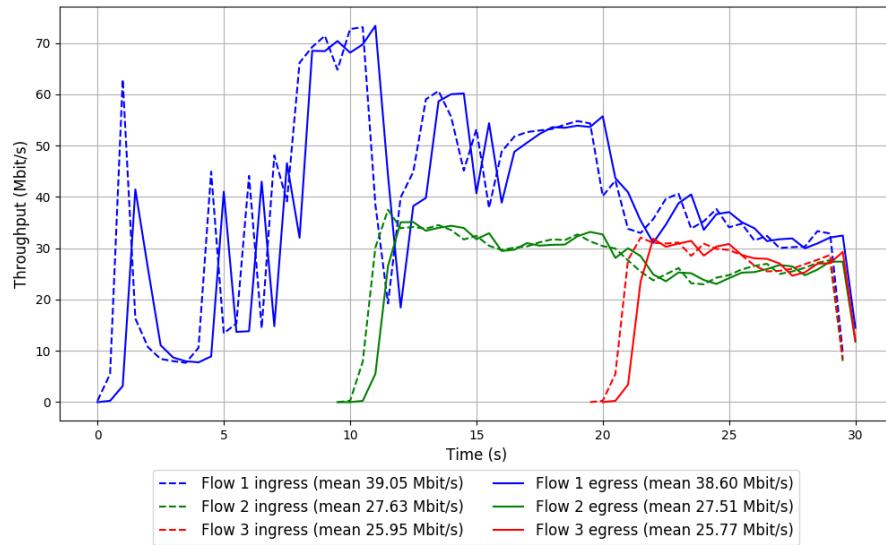


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-06-05 14:49:01
End at: 2018-06-05 14:49:31
Local clock offset: 5.724 ms
Remote clock offset: -4.921 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.32 Mbit/s
95th percentile per-packet one-way delay: 70.396 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 38.60 Mbit/s
95th percentile per-packet one-way delay: 70.620 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 27.51 Mbit/s
95th percentile per-packet one-way delay: 69.796 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 25.77 Mbit/s
95th percentile per-packet one-way delay: 70.496 ms
Loss rate: 0.66%
```

Run 10: Report of QUIC Cubic — Data Link

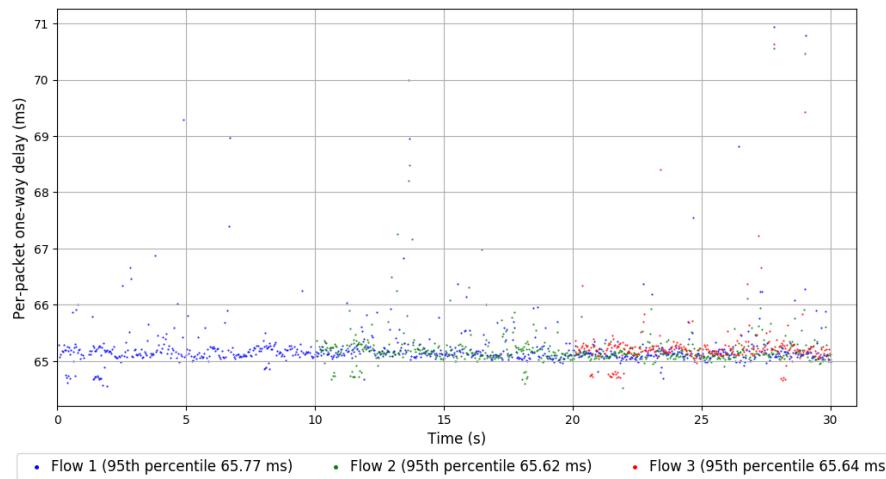
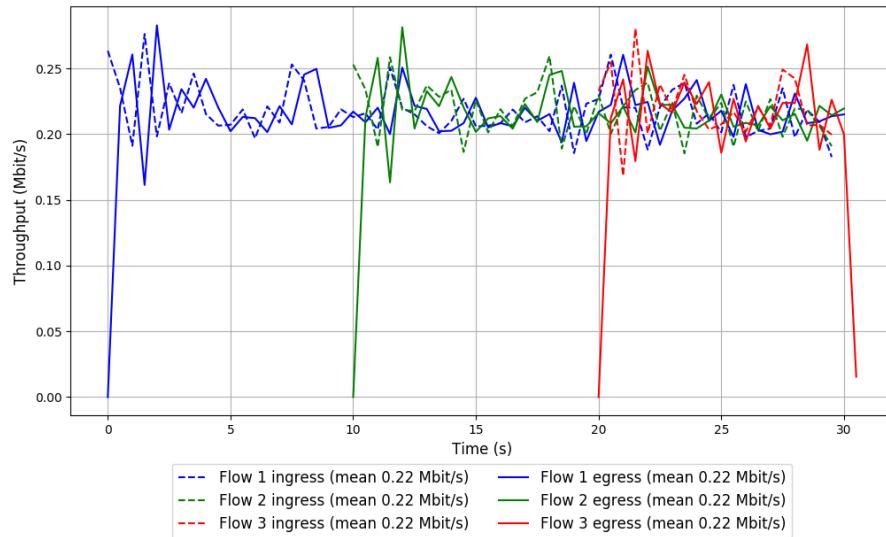


```
Run 1: Statistics of SCReAM

Start at: 2018-06-05 11:45:04
End at: 2018-06-05 11:45:34
Local clock offset: 7.569 ms
Remote clock offset: -5.217 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 65.688 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.770 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.621 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.638 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

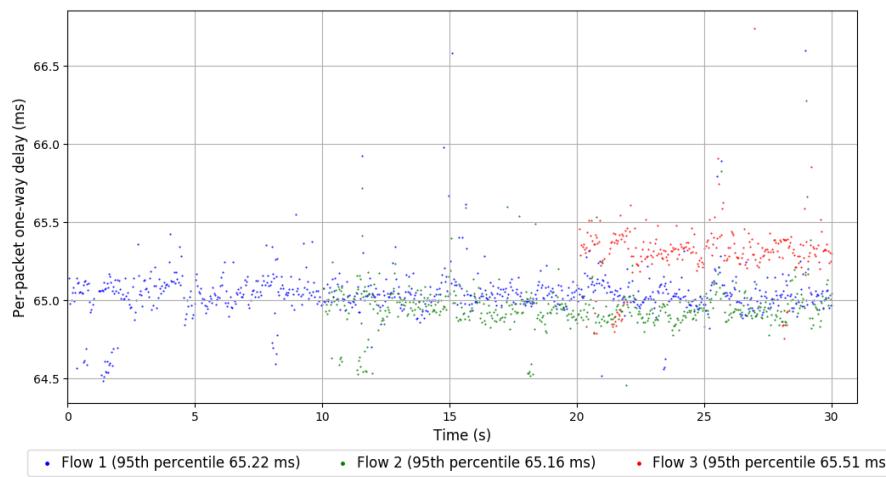
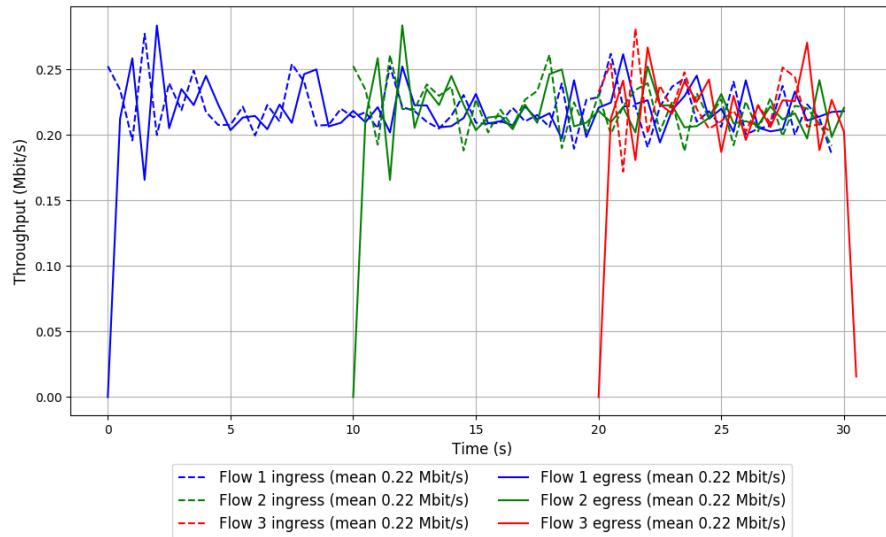


Run 2: Statistics of SCReAM

```
Start at: 2018-06-05 12:08:03
End at: 2018-06-05 12:08:33
Local clock offset: 7.763 ms
Remote clock offset: -4.534 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 65.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.221 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.160 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.512 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

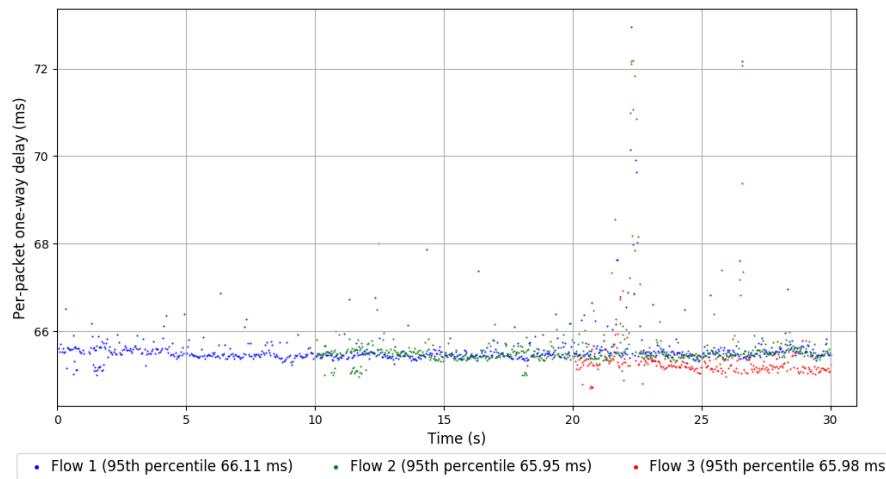
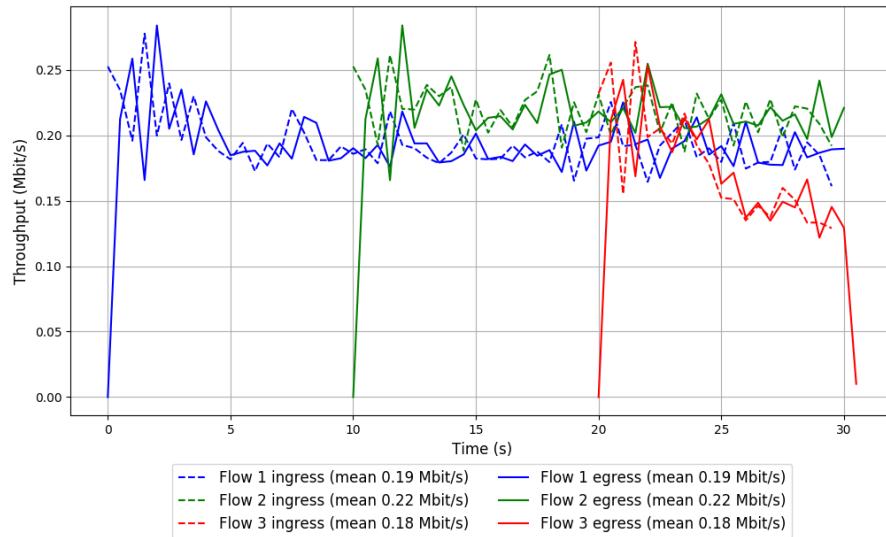


Run 3: Statistics of SCReAM

```
Start at: 2018-06-05 12:30:27
End at: 2018-06-05 12:30:57
Local clock offset: 5.423 ms
Remote clock offset: -5.455 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 66.029 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 66.106 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.950 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 65.983 ms
Loss rate: 0.40%
```

Run 3: Report of SCReAM — Data Link

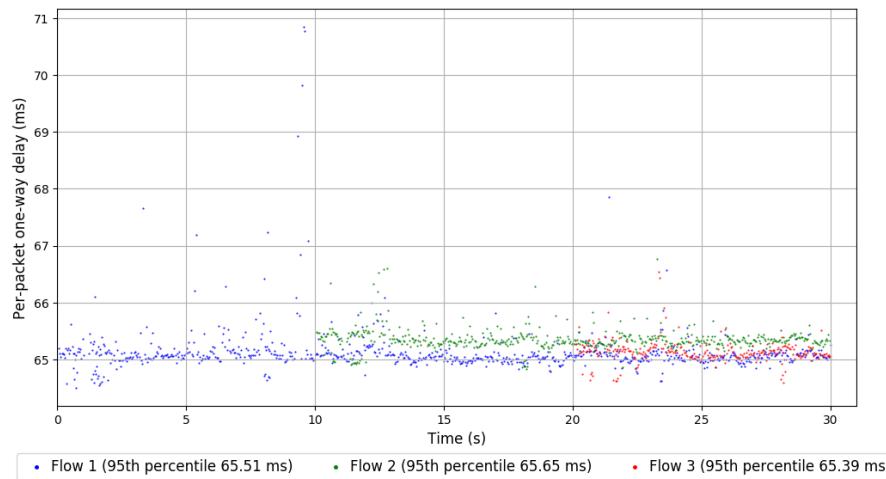
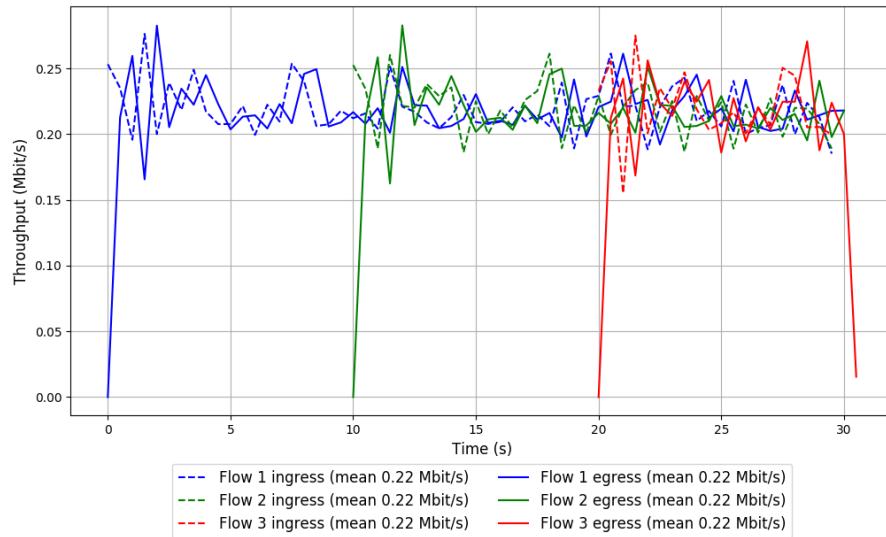


Run 4: Statistics of SCReAM

```
Start at: 2018-06-05 12:52:47
End at: 2018-06-05 12:53:17
Local clock offset: 5.421 ms
Remote clock offset: -5.513 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 65.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.510 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.654 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.394 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

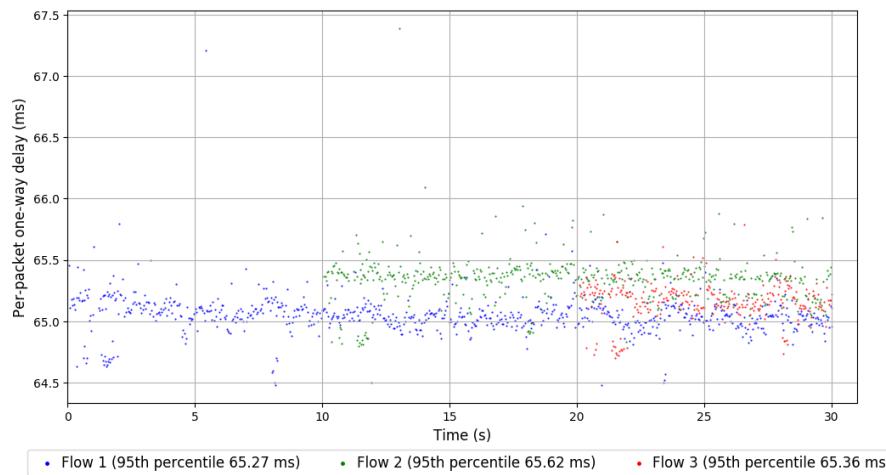
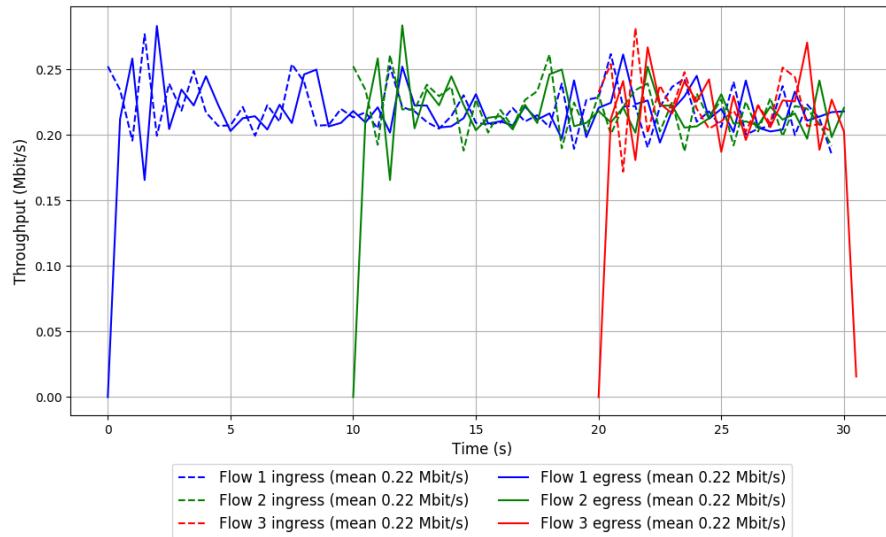


Run 5: Statistics of SCReAM

```
Start at: 2018-06-05 13:14:56
End at: 2018-06-05 13:15:26
Local clock offset: 4.789 ms
Remote clock offset: -5.781 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 65.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.265 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.621 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.359 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

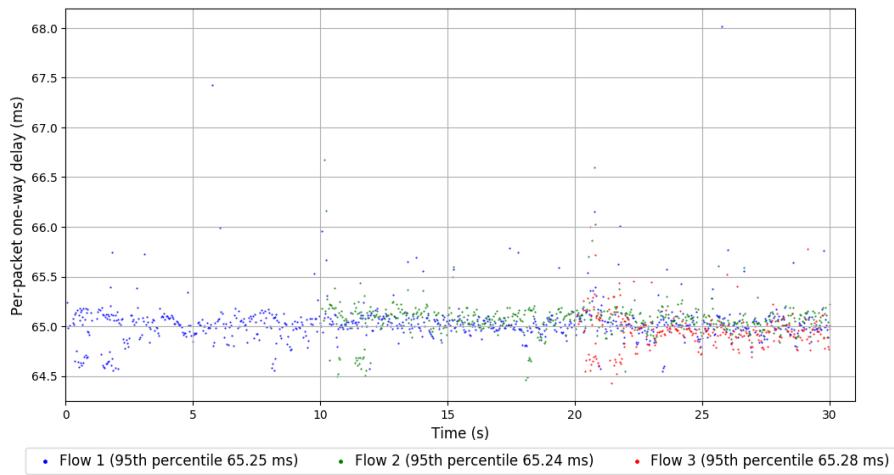
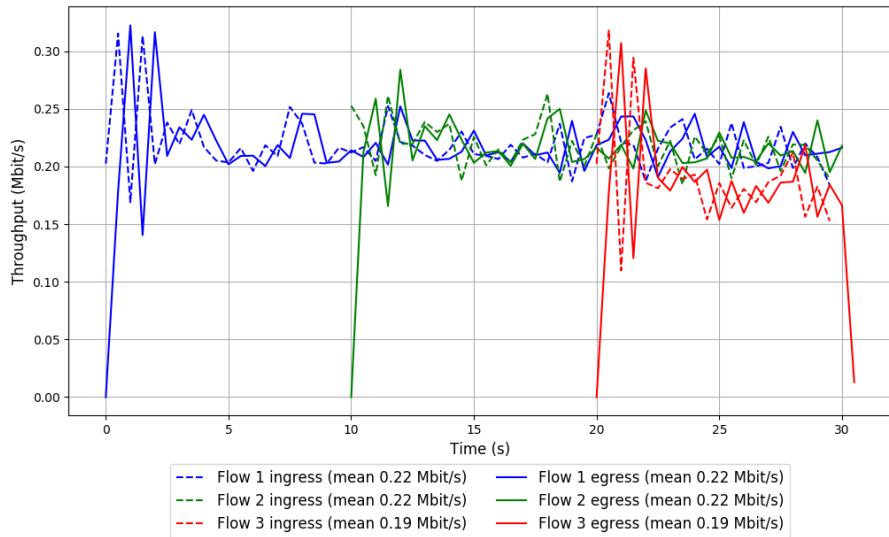


Run 6: Statistics of SCReAM

```
Start at: 2018-06-05 13:37:04
End at: 2018-06-05 13:37:34
Local clock offset: 4.14 ms
Remote clock offset: -5.702 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 65.251 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.255 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.238 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 65.283 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

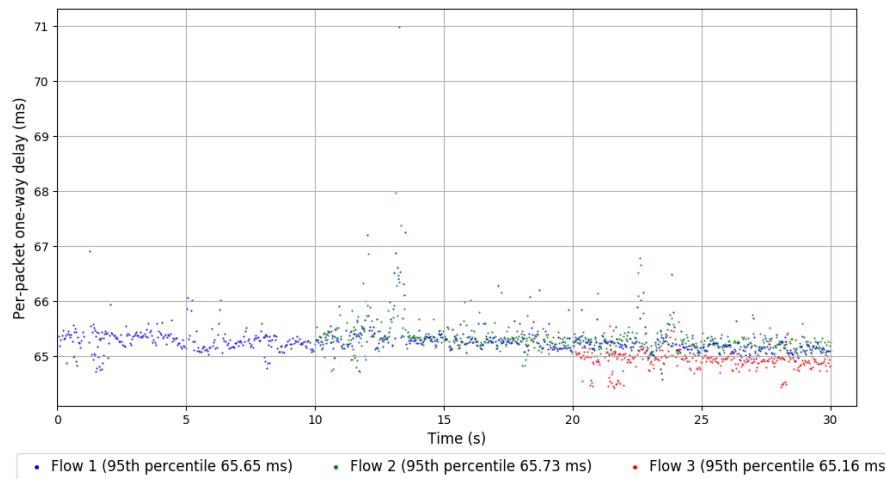
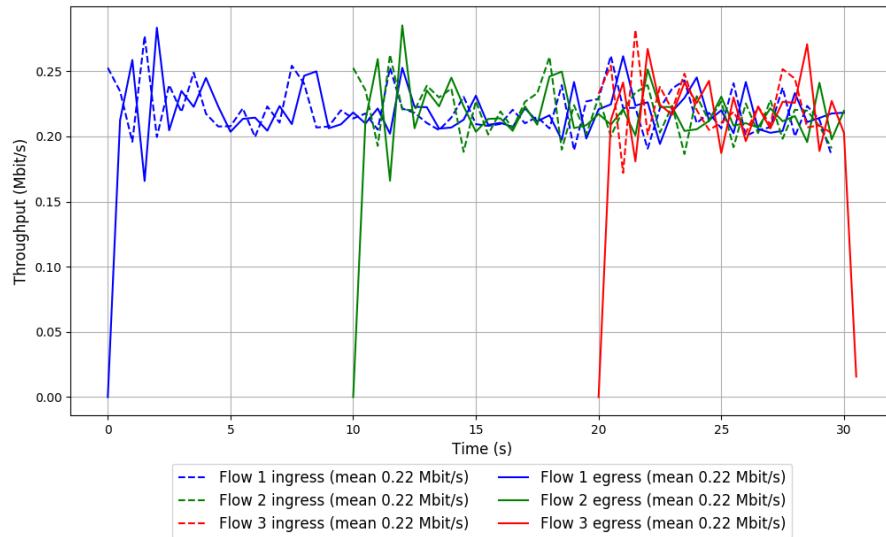


Run 7: Statistics of SCReAM

```
Start at: 2018-06-05 13:59:43
End at: 2018-06-05 14:00:13
Local clock offset: 3.875 ms
Remote clock offset: -4.86 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 65.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.653 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.734 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.157 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

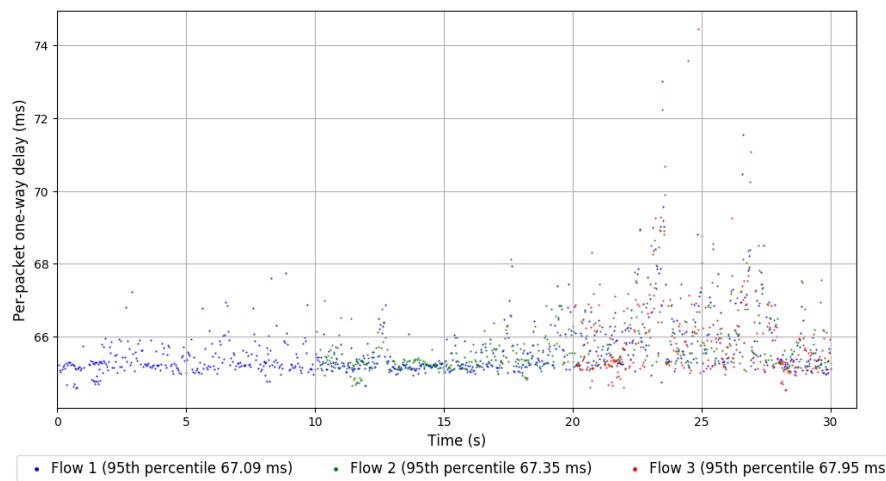
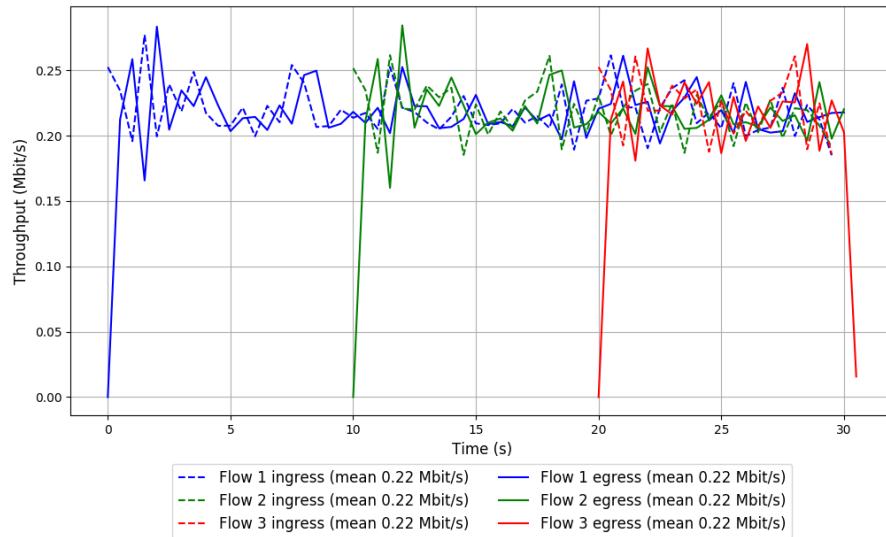


Run 8: Statistics of SCReAM

```
Start at: 2018-06-05 14:21:36
End at: 2018-06-05 14:22:06
Local clock offset: 5.974 ms
Remote clock offset: -1.117 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 67.434 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.089 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.352 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.953 ms
Loss rate: 0.00%
```

## Run 8: Report of SCReAM — Data Link

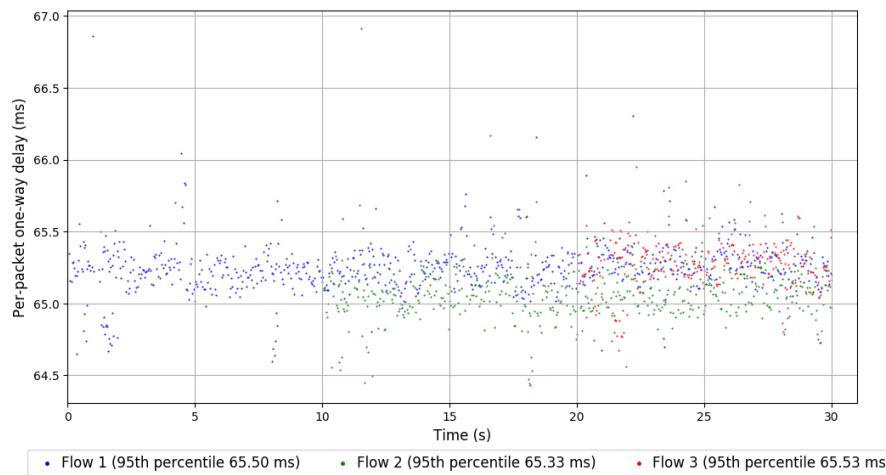
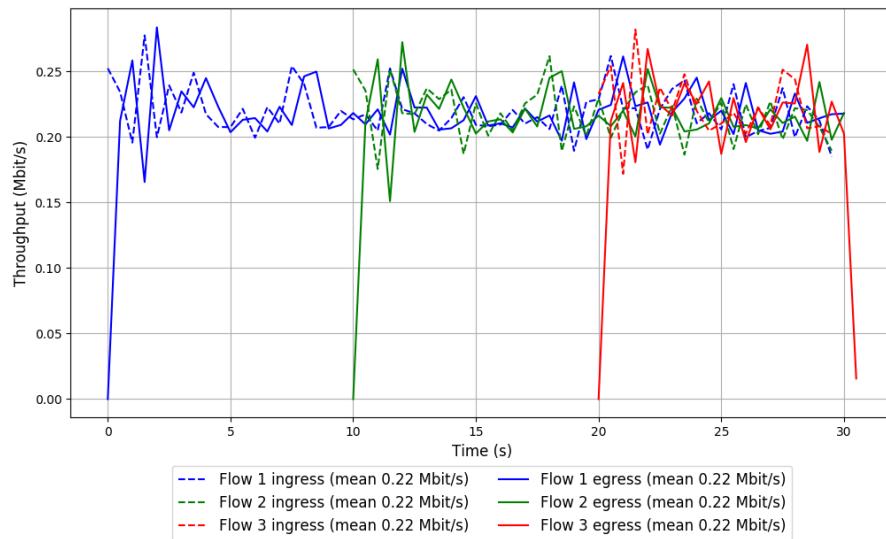


Run 9: Statistics of SCReAM

```
Start at: 2018-06-05 14:43:34
End at: 2018-06-05 14:44:04
Local clock offset: 6.432 ms
Remote clock offset: -4.255 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 65.486 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.498 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.329 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.535 ms
Loss rate: 0.00%
```

## Run 9: Report of SCReAM — Data Link

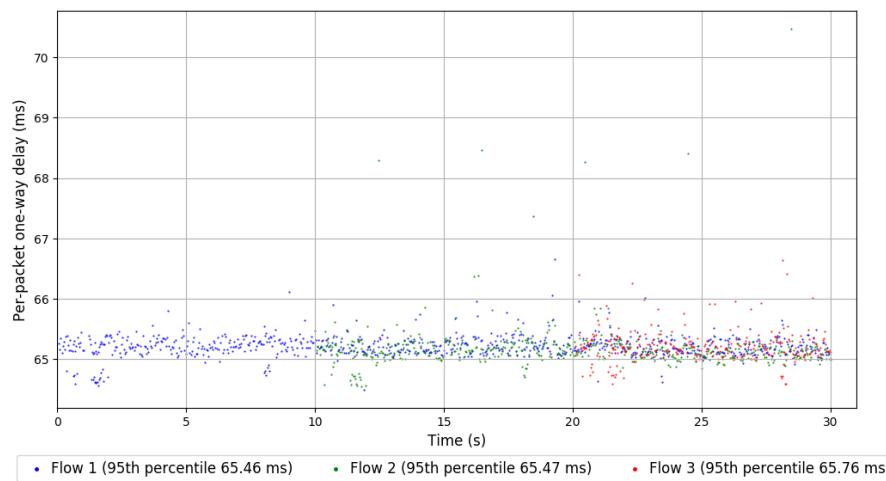
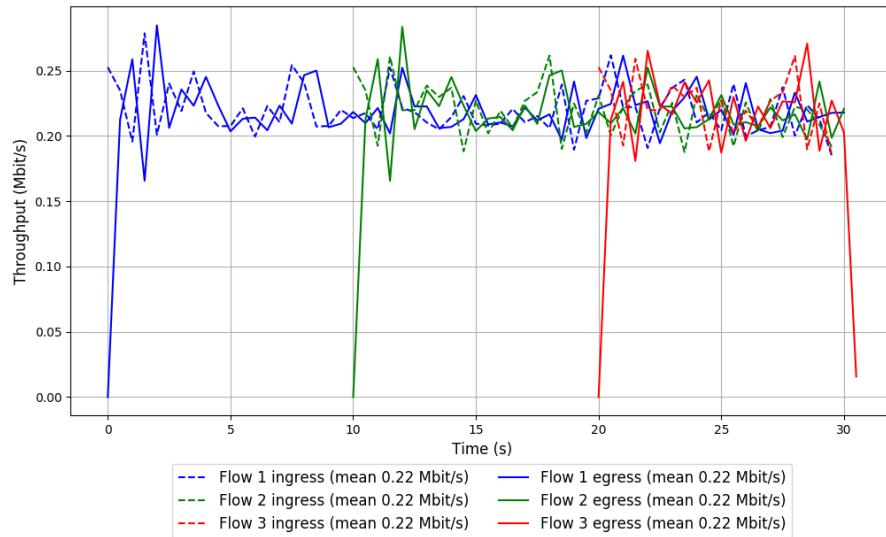


Run 10: Statistics of SCReAM

```
Start at: 2018-06-05 15:05:41
End at: 2018-06-05 15:06:11
Local clock offset: 4.905 ms
Remote clock offset: -5.549 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 65.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.457 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.466 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.760 ms
Loss rate: 0.00%
```

## Run 10: Report of SCReAM — Data Link

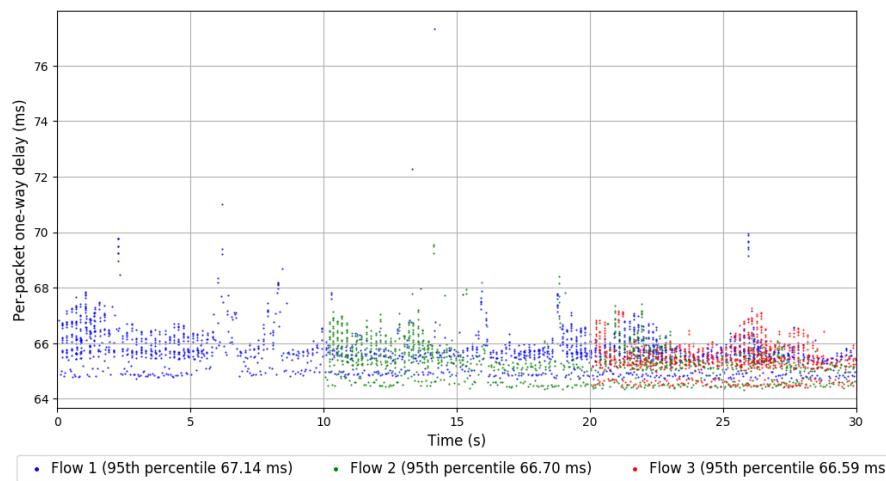
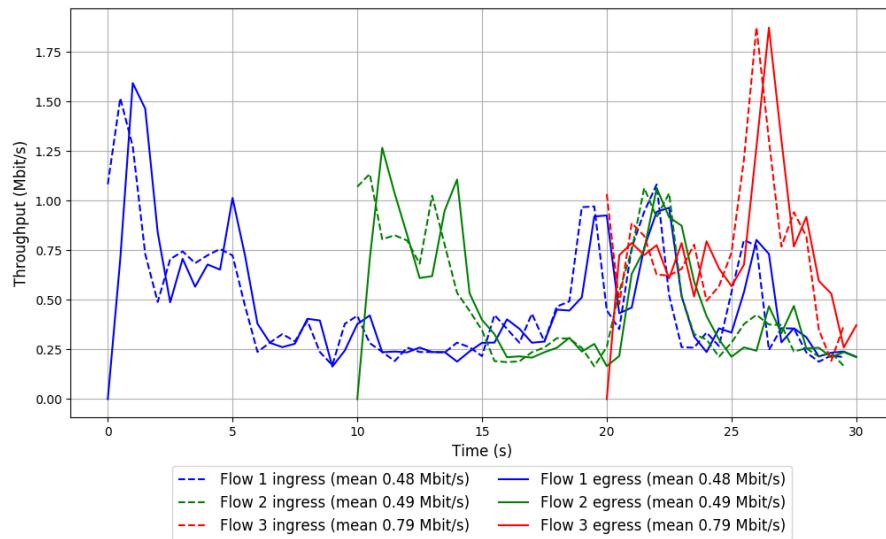


Run 1: Statistics of Sprout

```
Start at: 2018-06-05 11:36:43
End at: 2018-06-05 11:37:13
Local clock offset: 7.741 ms
Remote clock offset: -5.619 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 66.867 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 67.138 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 66.702 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 66.593 ms
Loss rate: 0.15%
```

Run 1: Report of Sprout — Data Link

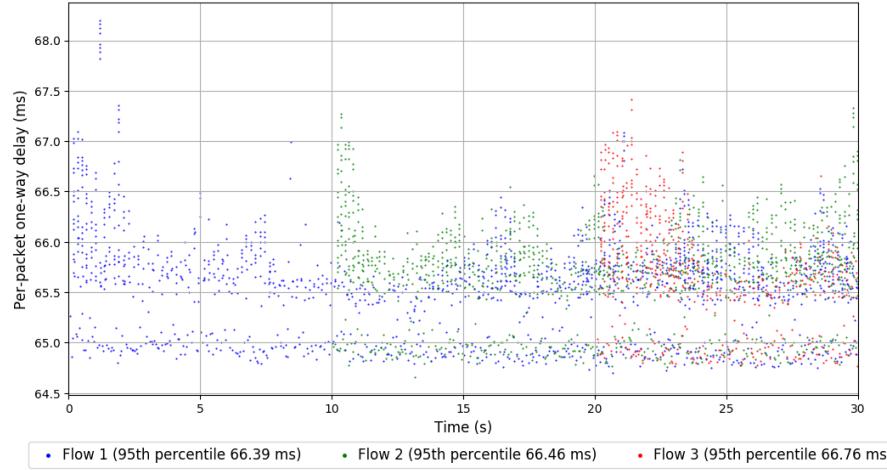
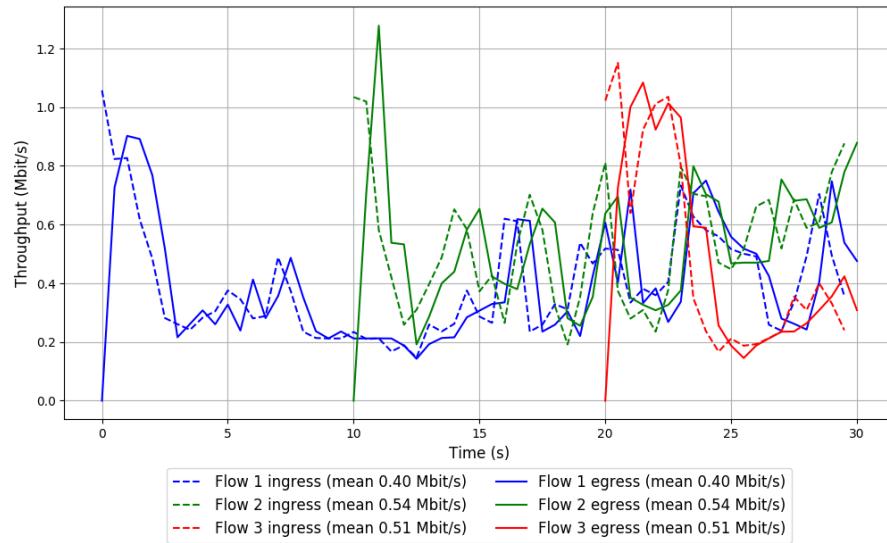


Run 2: Statistics of Sprout

```
Start at: 2018-06-05 11:59:53
End at: 2018-06-05 12:00:23
Local clock offset: 7.587 ms
Remote clock offset: -4.613 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 66.499 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 66.387 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 66.461 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 66.758 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link

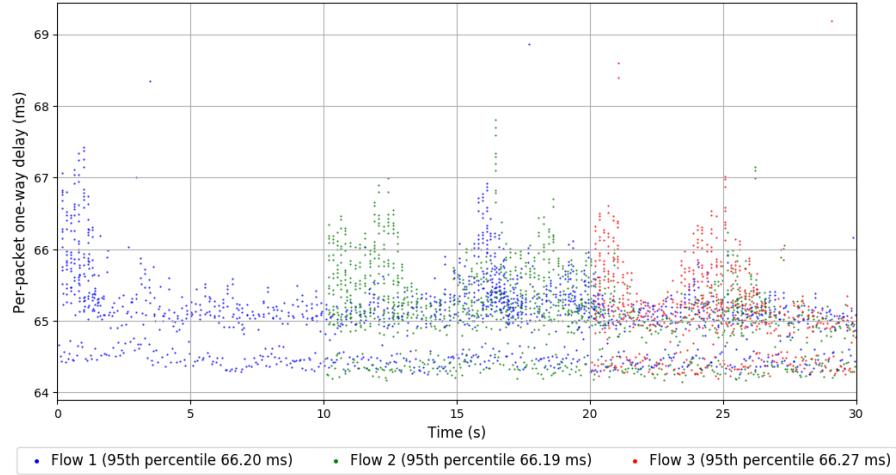
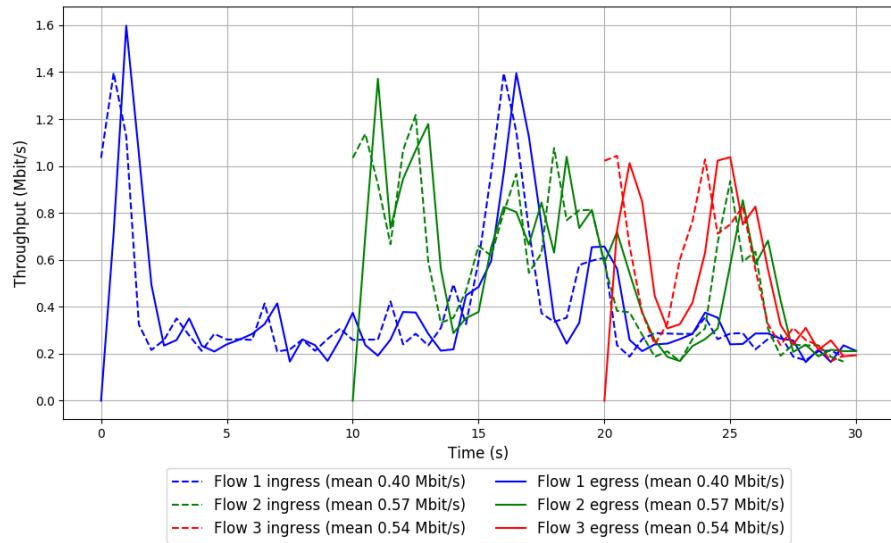


Run 3: Statistics of Sprout

```
Start at: 2018-06-05 12:22:00
End at: 2018-06-05 12:22:30
Local clock offset: 6.116 ms
Remote clock offset: -5.107 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 66.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 66.199 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 66.190 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 66.273 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

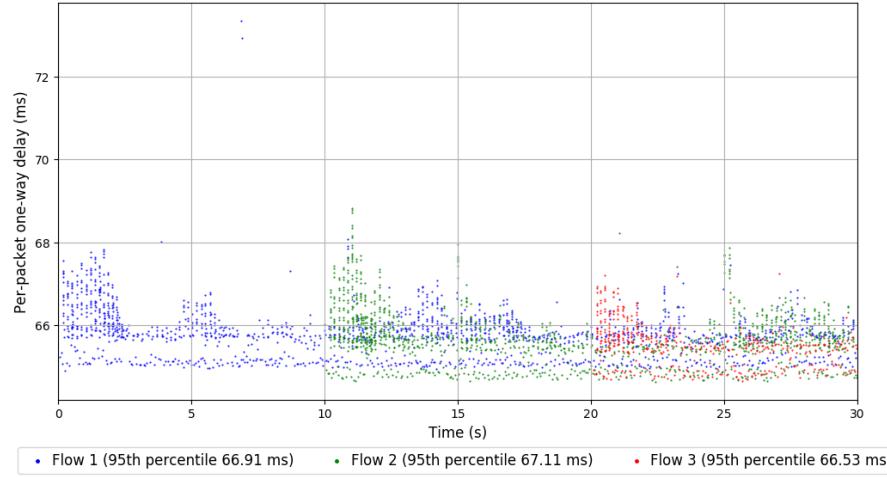
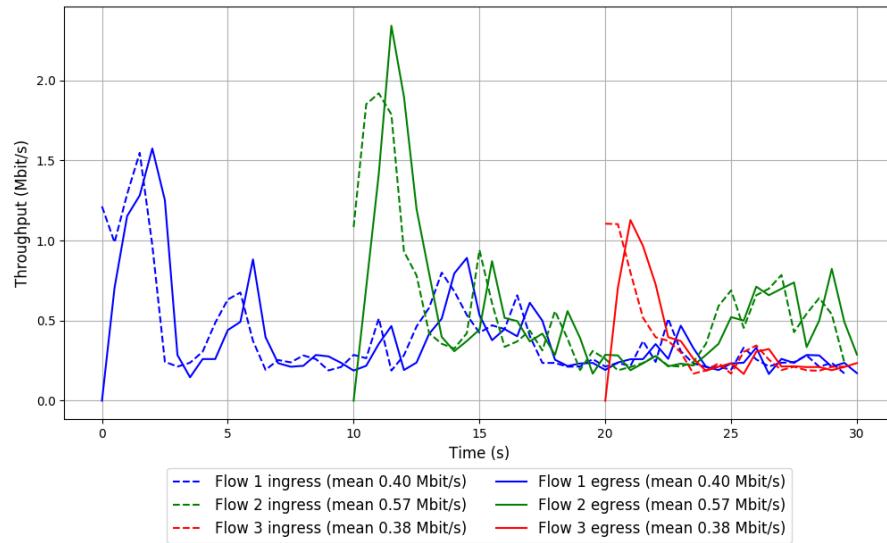


Run 4: Statistics of Sprout

```
Start at: 2018-06-05 12:44:24
End at: 2018-06-05 12:44:54
Local clock offset: 5.322 ms
Remote clock offset: -5.449 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 66.895 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 66.912 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 67.106 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 66.531 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

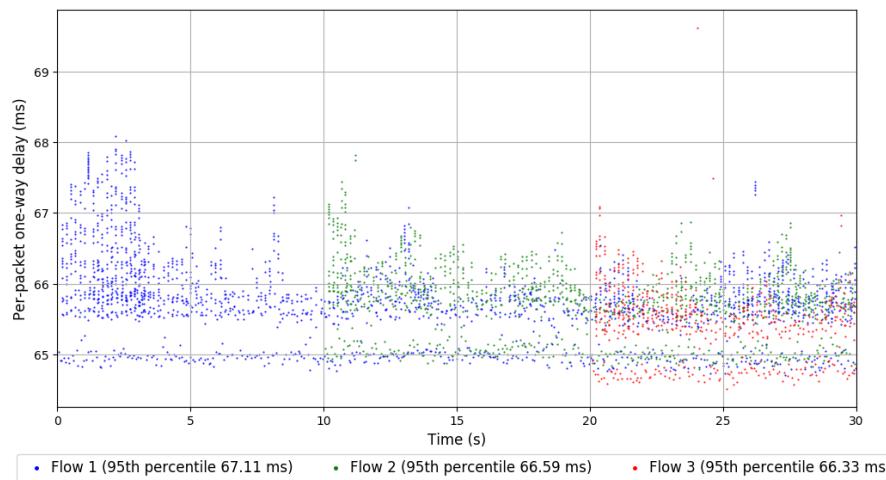
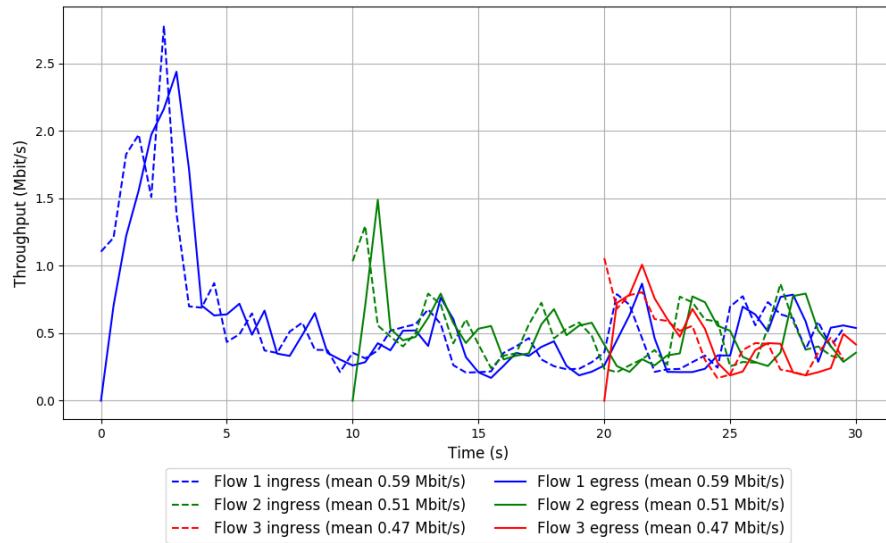


Run 5: Statistics of Sprout

```
Start at: 2018-06-05 13:06:41
End at: 2018-06-05 13:07:11
Local clock offset: 5.262 ms
Remote clock offset: -5.51 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 66.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 67.114 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 66.593 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 66.326 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

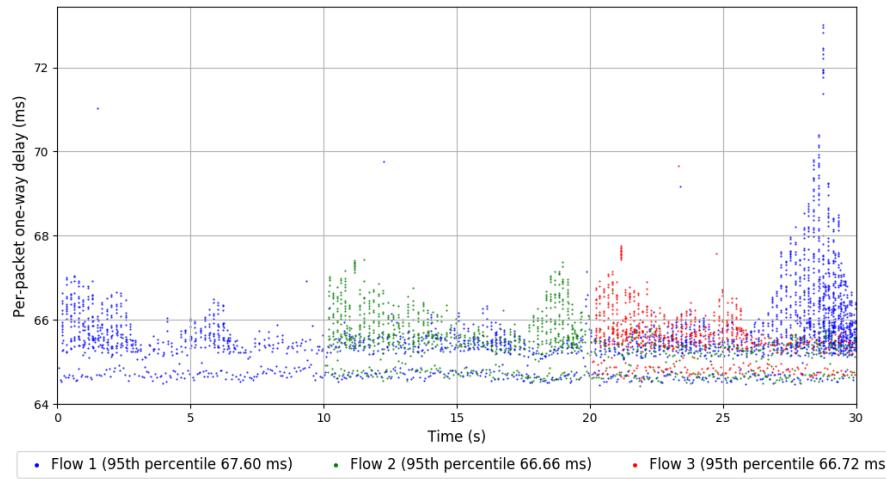
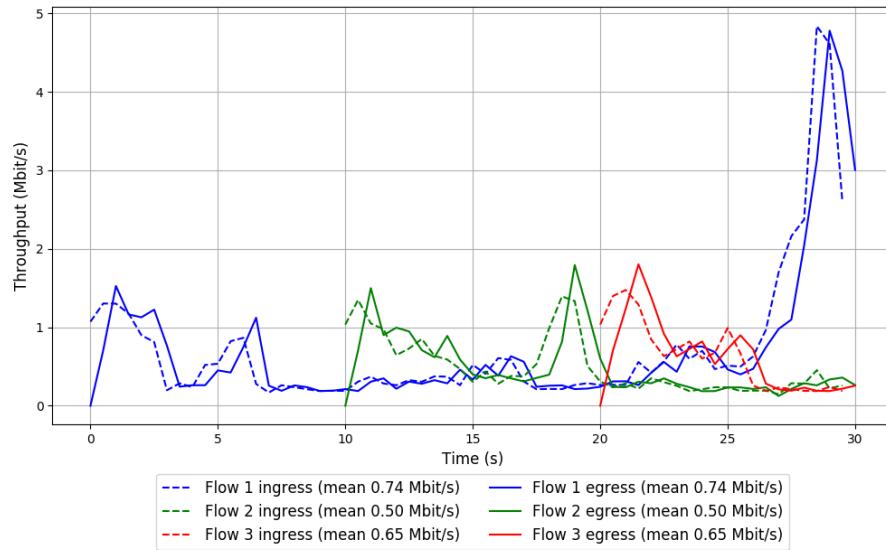


Run 6: Statistics of Sprout

```
Start at: 2018-06-05 13:28:44
End at: 2018-06-05 13:29:15
Local clock offset: 4.244 ms
Remote clock offset: -5.666 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 67.139 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 67.603 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 66.662 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 66.725 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

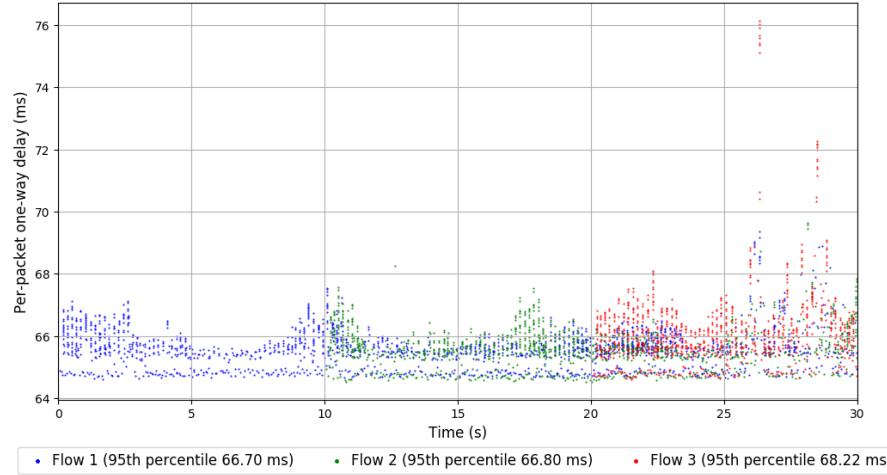
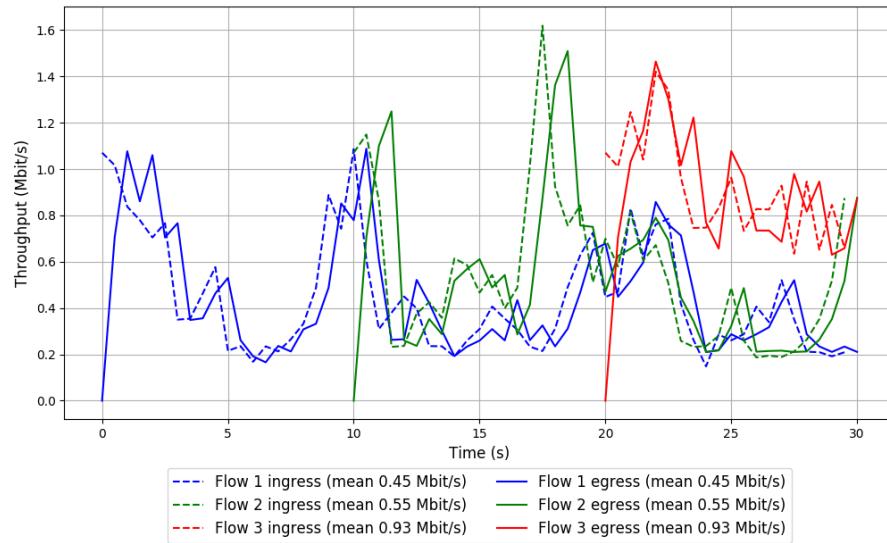


Run 7: Statistics of Sprout

```
Start at: 2018-06-05 13:51:31
End at: 2018-06-05 13:52:01
Local clock offset: 4.111 ms
Remote clock offset: -5.849 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 67.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 66.697 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 66.802 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 68.224 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

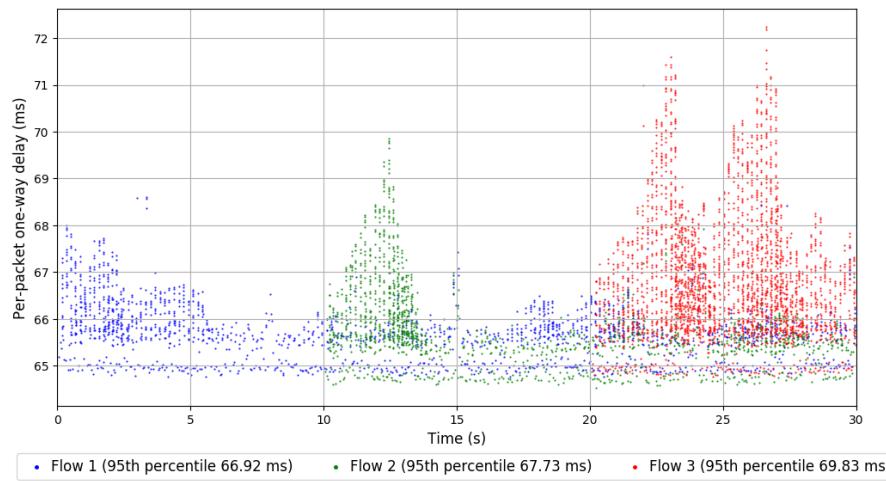
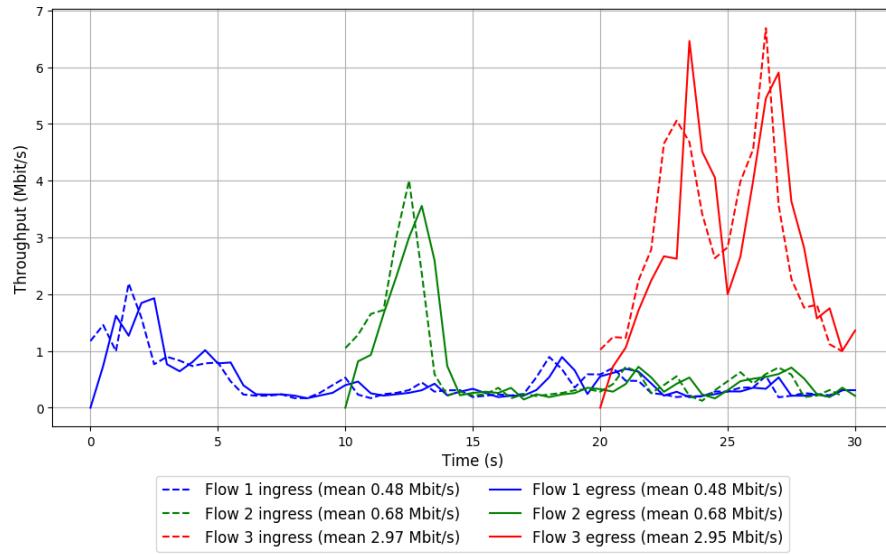


Run 8: Statistics of Sprout

```
Start at: 2018-06-05 14:13:26
End at: 2018-06-05 14:13:56
Local clock offset: 4.741 ms
Remote clock offset: -1.973 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 68.855 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 66.924 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 67.733 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 69.830 ms
Loss rate: 0.56%
```

Run 8: Report of Sprout — Data Link

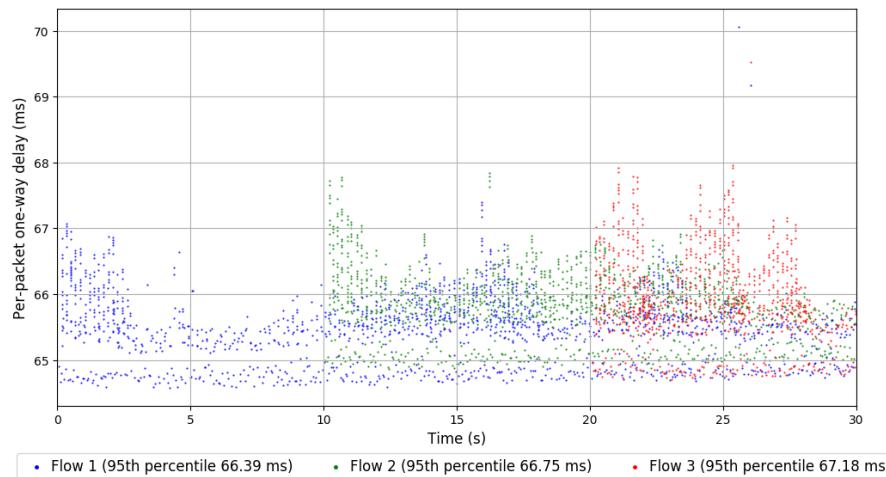
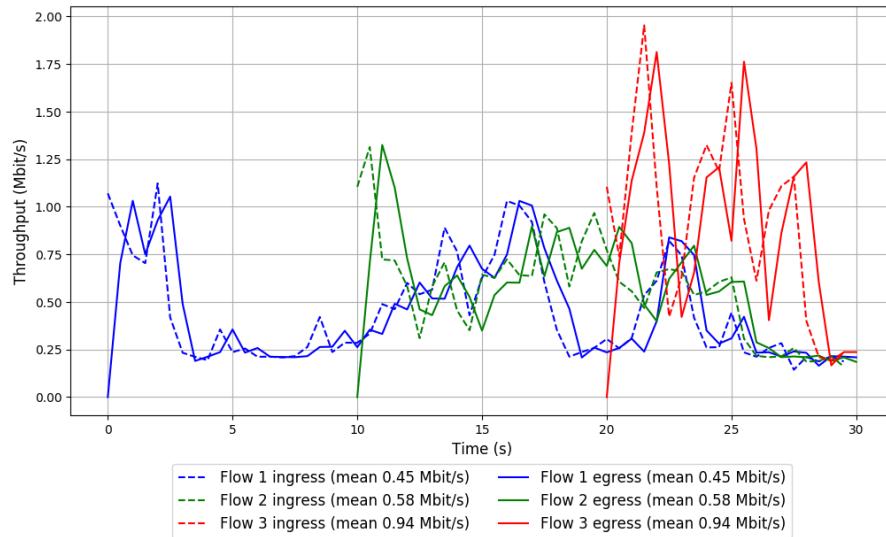


Run 9: Statistics of Sprout

```
Start at: 2018-06-05 14:35:24
End at: 2018-06-05 14:35:54
Local clock offset: 6.983 ms
Remote clock offset: -2.415 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 66.838 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 66.391 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 66.749 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 67.184 ms
Loss rate: 0.00%
```

## Run 9: Report of Sprout — Data Link

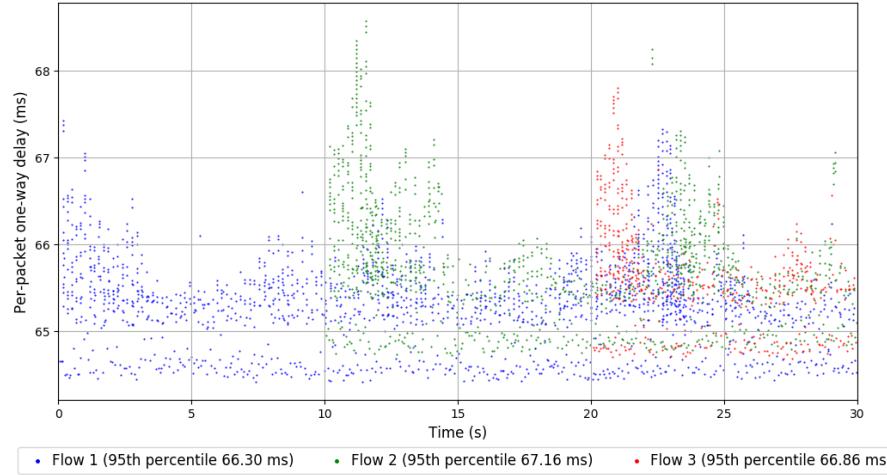
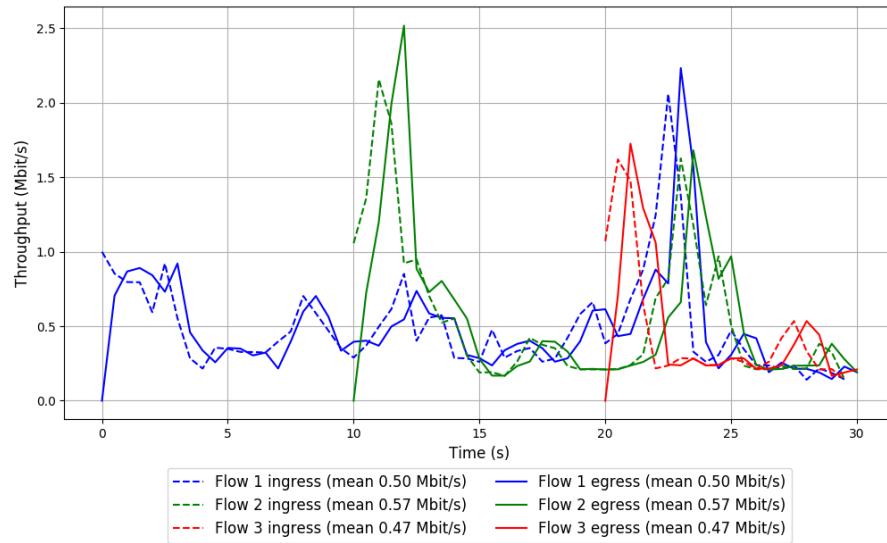


Run 10: Statistics of Sprout

```
Start at: 2018-06-05 14:57:27
End at: 2018-06-05 14:57:57
Local clock offset: 5.054 ms
Remote clock offset: -5.359 ms

# Below is generated by plot.py at 2018-06-05 15:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 66.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 66.295 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 67.158 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 66.865 ms
Loss rate: 0.02%
```

## Run 10: Report of Sprout — Data Link

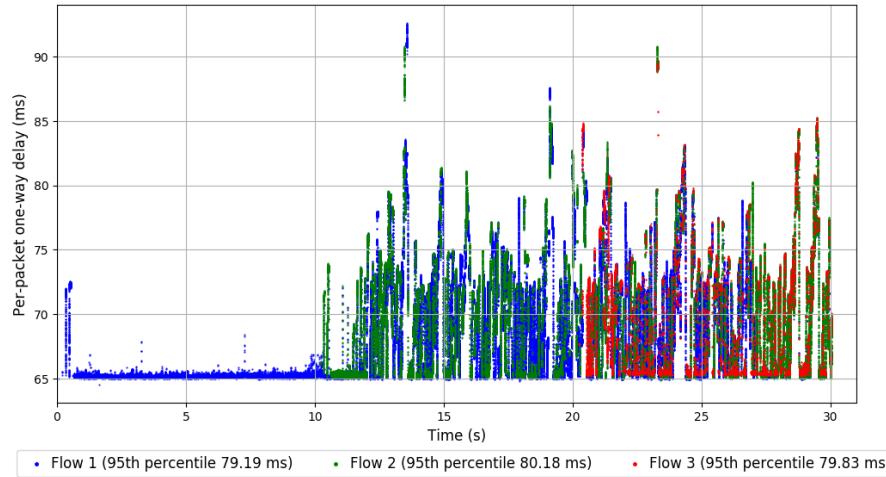
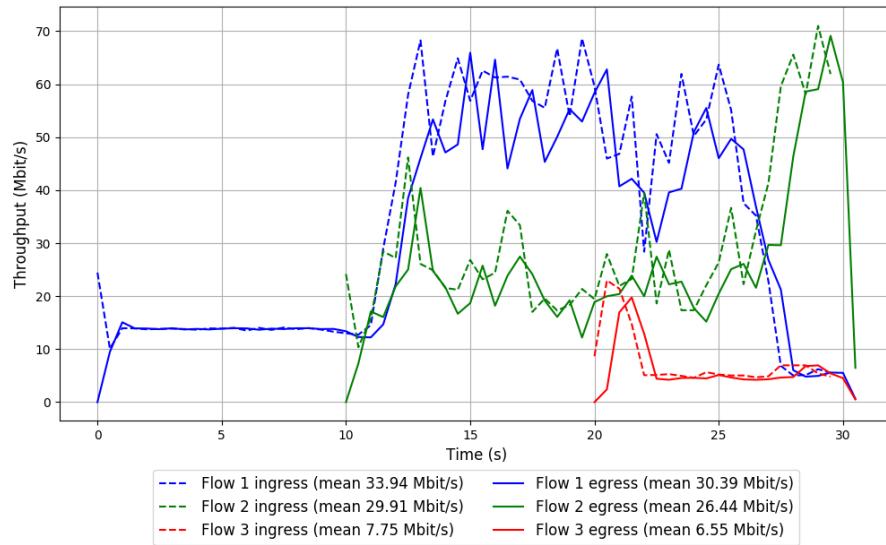


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-05 11:26:58
End at: 2018-06-05 11:27:28
Local clock offset: 7.634 ms
Remote clock offset: -5.847 ms

# Below is generated by plot.py at 2018-06-05 15:22:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 79.495 ms
Loss rate: 11.07%
-- Flow 1:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 79.193 ms
Loss rate: 10.45%
-- Flow 2:
Average throughput: 26.44 Mbit/s
95th percentile per-packet one-way delay: 80.179 ms
Loss rate: 11.57%
-- Flow 3:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 79.828 ms
Loss rate: 15.49%
```

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

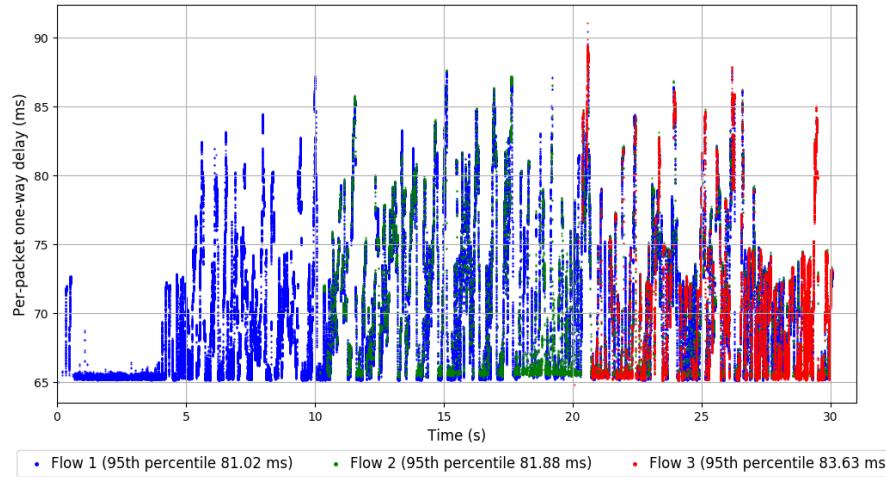
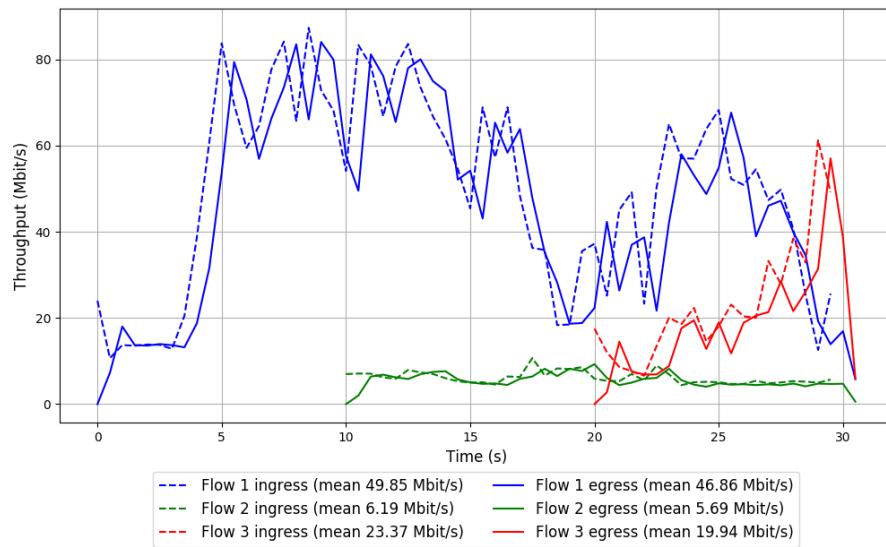


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-05 11:49:40
End at: 2018-06-05 11:50:10
Local clock offset: 7.555 ms
Remote clock offset: -4.954 ms

# Below is generated by plot.py at 2018-06-05 15:22:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.28 Mbit/s
95th percentile per-packet one-way delay: 81.382 ms
Loss rate: 7.19%
-- Flow 1:
Average throughput: 46.86 Mbit/s
95th percentile per-packet one-way delay: 81.024 ms
Loss rate: 5.97%
-- Flow 2:
Average throughput: 5.69 Mbit/s
95th percentile per-packet one-way delay: 81.875 ms
Loss rate: 8.09%
-- Flow 3:
Average throughput: 19.94 Mbit/s
95th percentile per-packet one-way delay: 83.629 ms
Loss rate: 14.58%
```

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

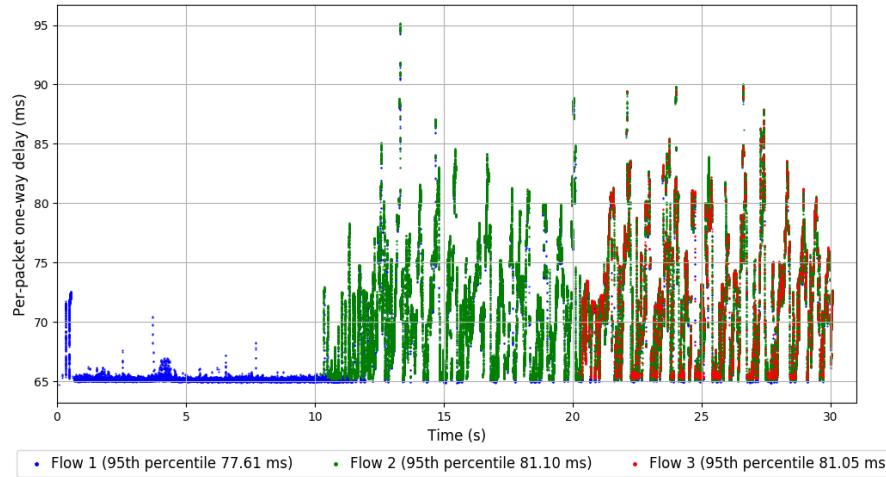
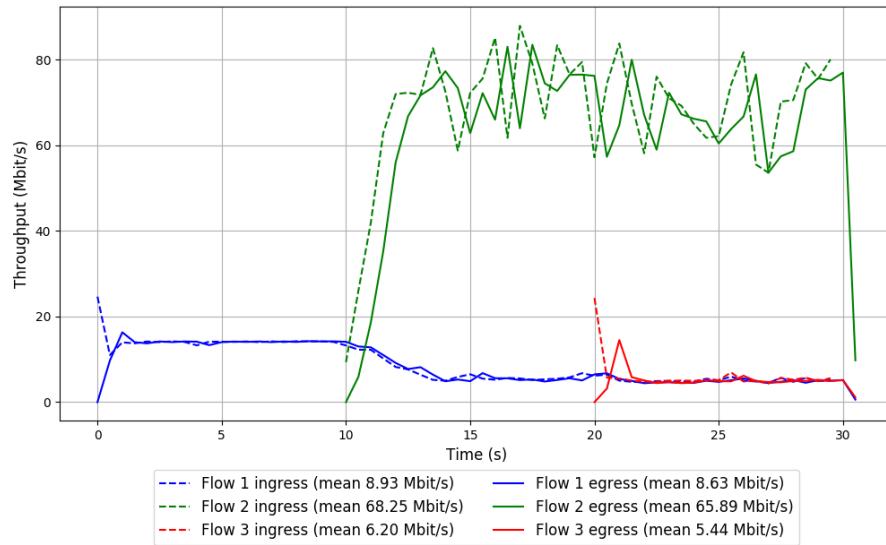


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-05 12:12:06
End at: 2018-06-05 12:12:36
Local clock offset: 7.3 ms
Remote clock offset: -4.379 ms

# Below is generated by plot.py at 2018-06-05 15:22:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.34 Mbit/s
95th percentile per-packet one-way delay: 80.858 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 8.63 Mbit/s
95th percentile per-packet one-way delay: 77.608 ms
Loss rate: 3.26%
-- Flow 2:
Average throughput: 65.89 Mbit/s
95th percentile per-packet one-way delay: 81.101 ms
Loss rate: 3.42%
-- Flow 3:
Average throughput: 5.44 Mbit/s
95th percentile per-packet one-way delay: 81.054 ms
Loss rate: 12.35%
```

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

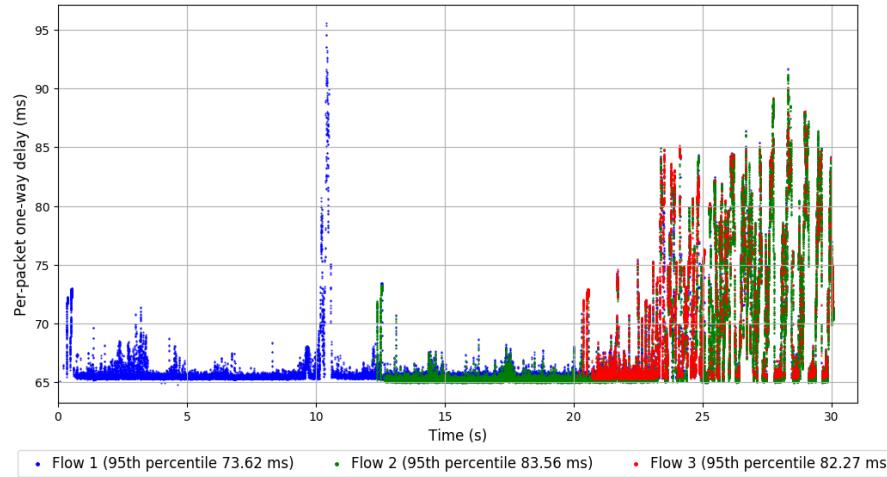
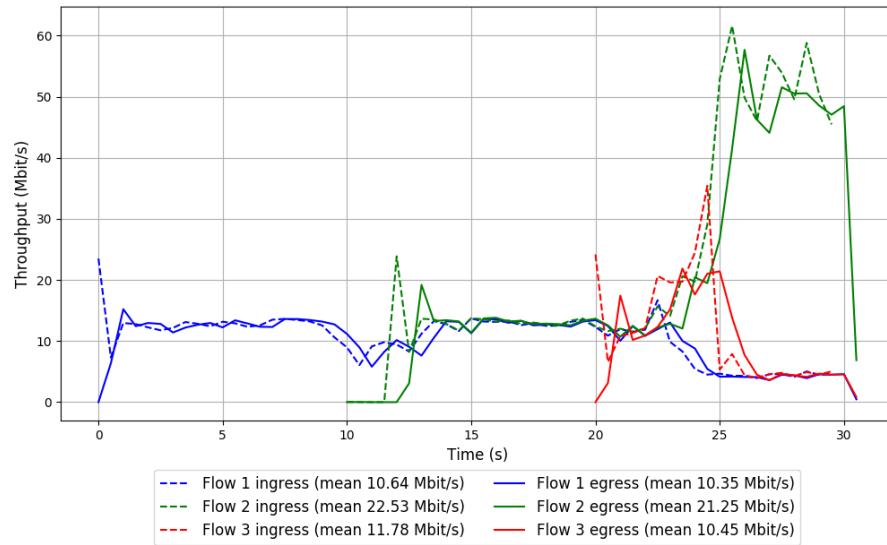


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-05 12:34:29
End at: 2018-06-05 12:34:59
Local clock offset: 5.462 ms
Remote clock offset: -5.529 ms

# Below is generated by plot.py at 2018-06-05 15:22:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.97 Mbit/s
95th percentile per-packet one-way delay: 82.342 ms
Loss rate: 5.34%
-- Flow 1:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 73.625 ms
Loss rate: 2.75%
-- Flow 2:
Average throughput: 21.25 Mbit/s
95th percentile per-packet one-way delay: 83.560 ms
Loss rate: 5.67%
-- Flow 3:
Average throughput: 10.45 Mbit/s
95th percentile per-packet one-way delay: 82.269 ms
Loss rate: 11.16%
```

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

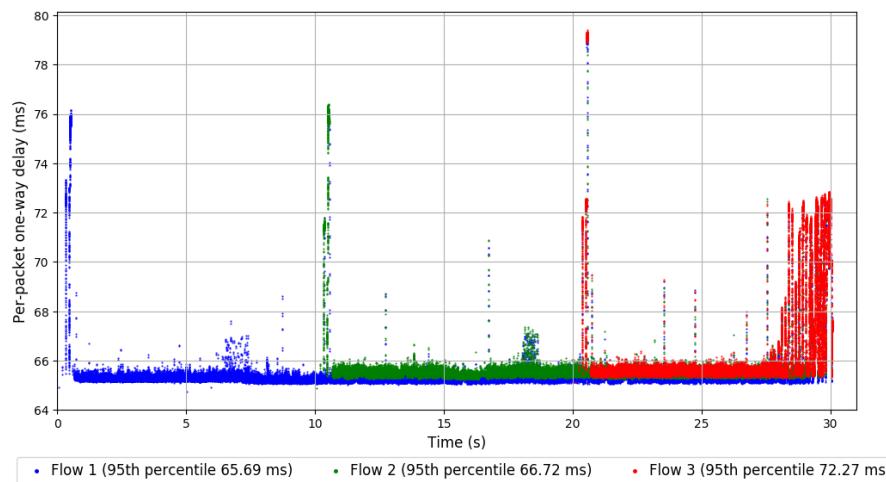
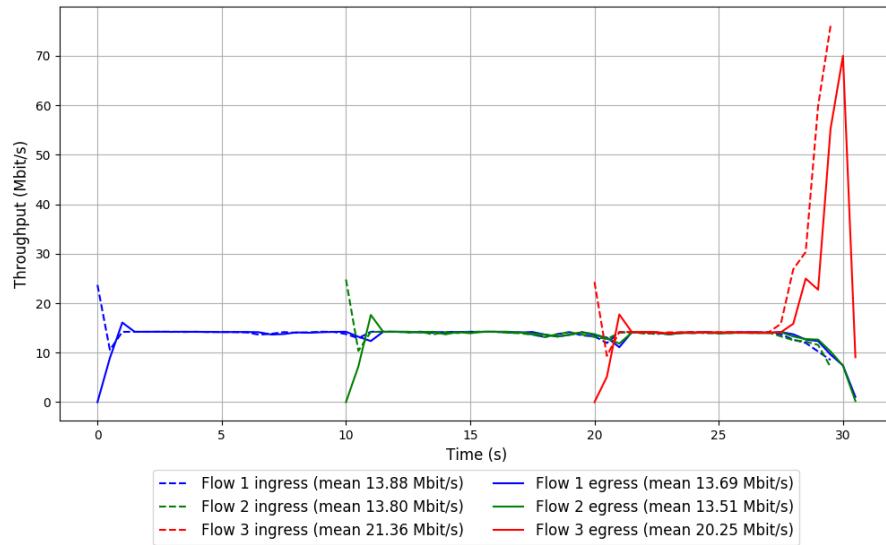


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-05 12:56:53
End at: 2018-06-05 12:57:23
Local clock offset: 5.362 ms
Remote clock offset: -5.549 ms

# Below is generated by plot.py at 2018-06-05 15:22:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.42 Mbit/s
95th percentile per-packet one-way delay: 71.173 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 13.69 Mbit/s
95th percentile per-packet one-way delay: 65.686 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 13.51 Mbit/s
95th percentile per-packet one-way delay: 66.719 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 20.25 Mbit/s
95th percentile per-packet one-way delay: 72.268 ms
Loss rate: 5.15%
```

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

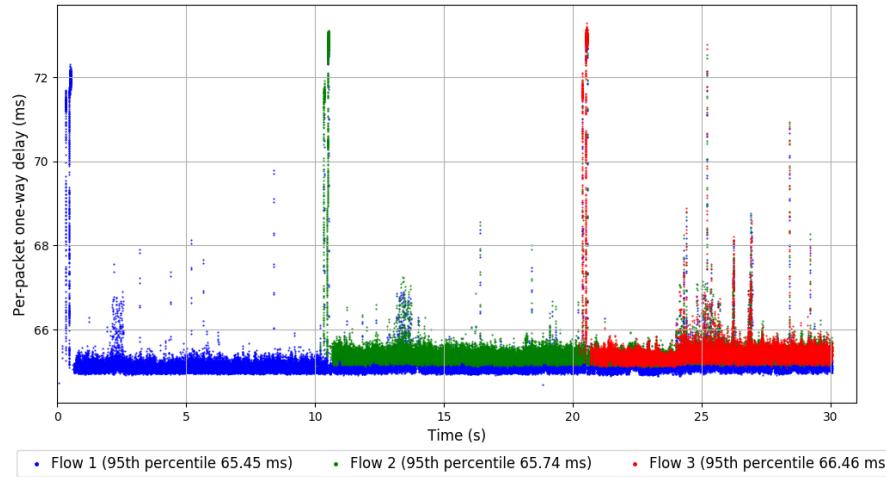
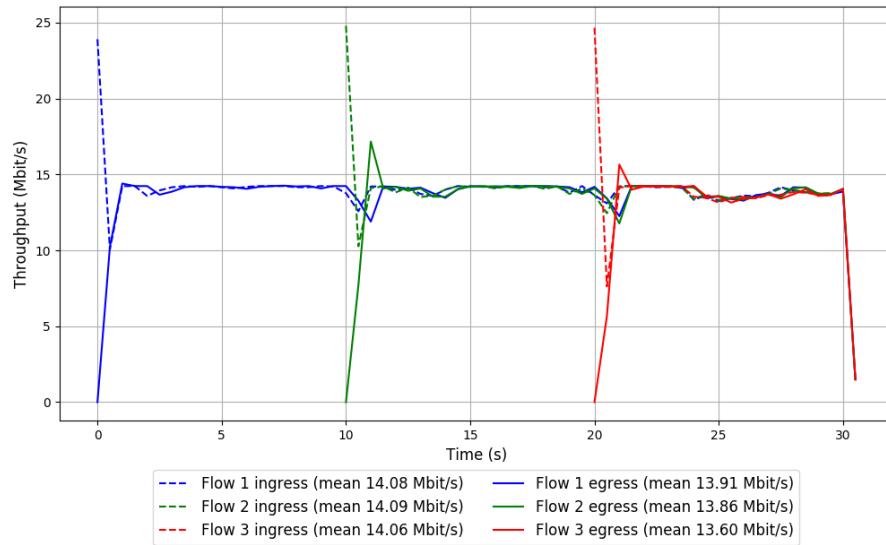


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-05 13:19:01
End at: 2018-06-05 13:19:31
Local clock offset: 4.545 ms
Remote clock offset: -5.877 ms

# Below is generated by plot.py at 2018-06-05 15:22:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.67 Mbit/s
95th percentile per-packet one-way delay: 65.680 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 13.91 Mbit/s
95th percentile per-packet one-way delay: 65.451 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 13.86 Mbit/s
95th percentile per-packet one-way delay: 65.736 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 66.464 ms
Loss rate: 3.30%
```

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

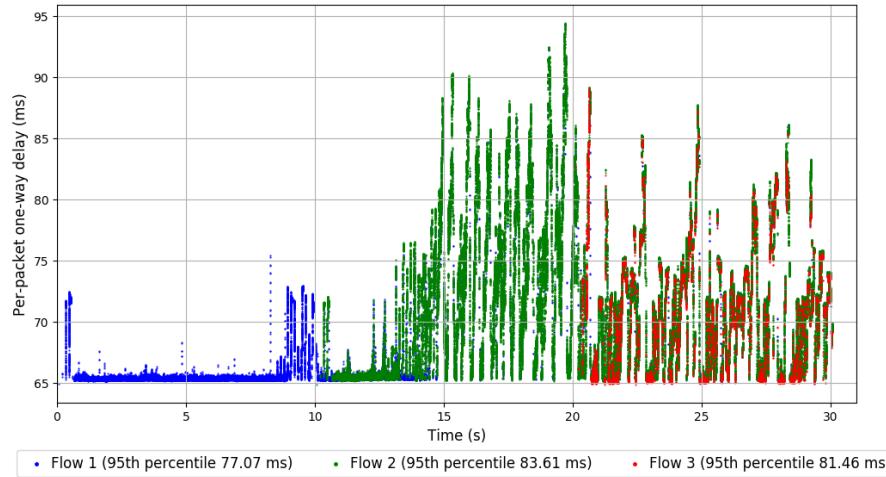
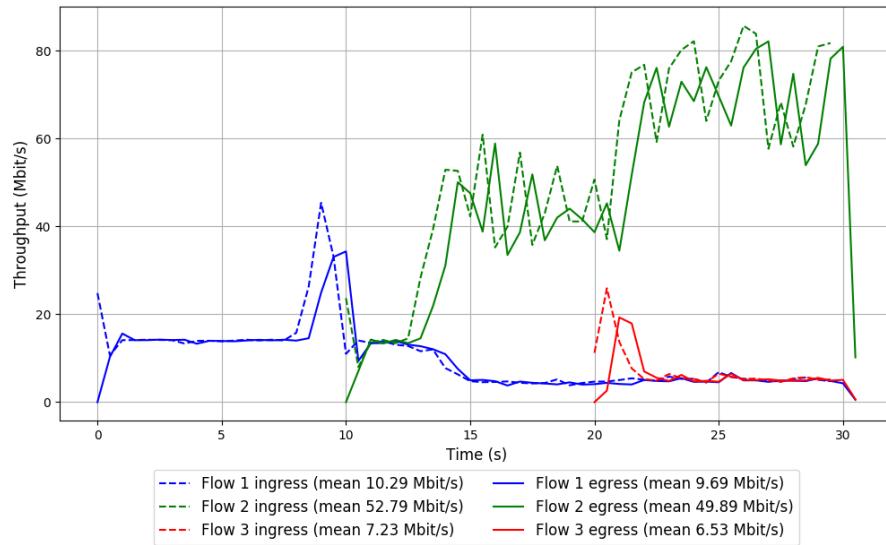


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-05 13:41:40
End at: 2018-06-05 13:42:10
Local clock offset: 4.126 ms
Remote clock offset: -5.776 ms

# Below is generated by plot.py at 2018-06-05 15:22:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.10 Mbit/s
95th percentile per-packet one-way delay: 82.874 ms
Loss rate: 5.75%
-- Flow 1:
Average throughput: 9.69 Mbit/s
95th percentile per-packet one-way delay: 77.068 ms
Loss rate: 5.81%
-- Flow 2:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 83.614 ms
Loss rate: 5.47%
-- Flow 3:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: 81.462 ms
Loss rate: 9.71%
```

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

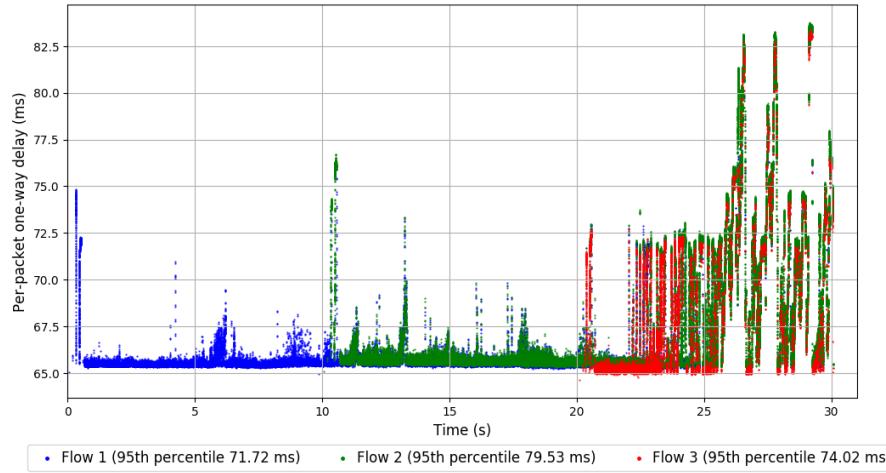
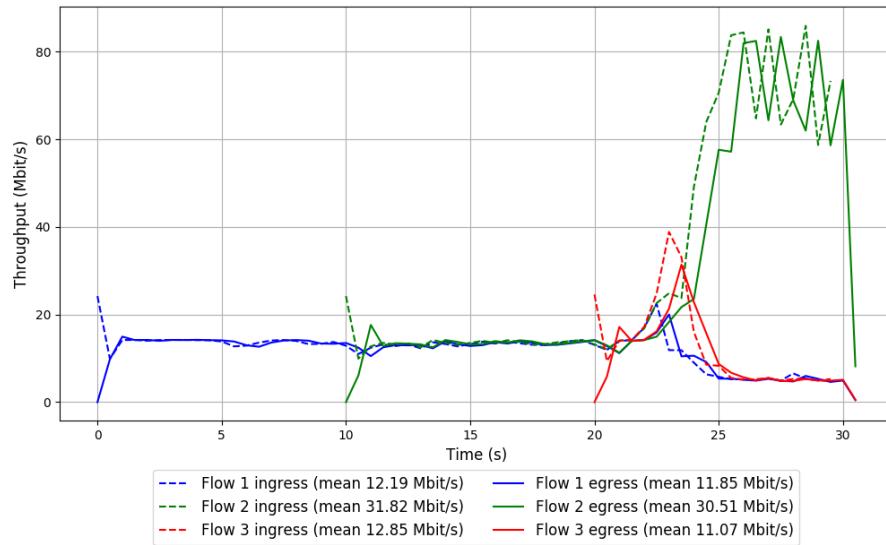


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-05 14:03:45
End at: 2018-06-05 14:04:15
Local clock offset: 3.855 ms
Remote clock offset: -3.629 ms

# Below is generated by plot.py at 2018-06-05 15:22:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.85 Mbit/s
95th percentile per-packet one-way delay: 76.424 ms
Loss rate: 4.78%
-- Flow 1:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 71.715 ms
Loss rate: 2.77%
-- Flow 2:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 79.535 ms
Loss rate: 4.11%
-- Flow 3:
Average throughput: 11.07 Mbit/s
95th percentile per-packet one-way delay: 74.024 ms
Loss rate: 13.83%
```

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

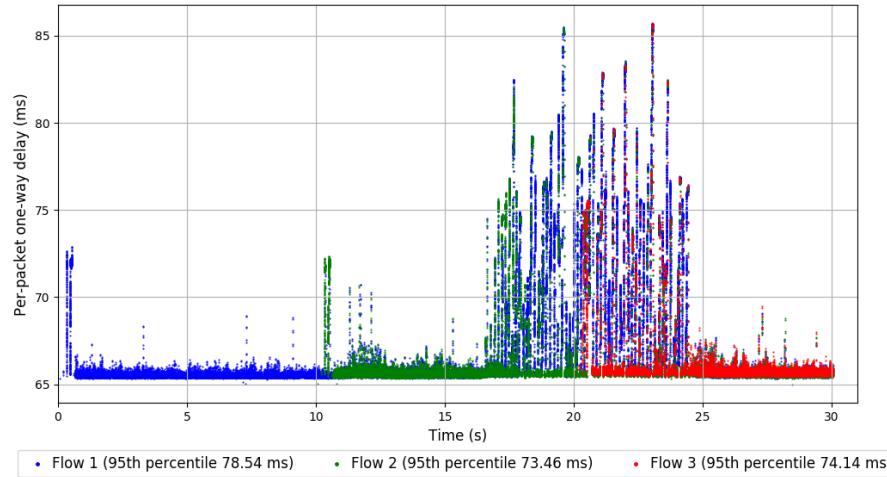
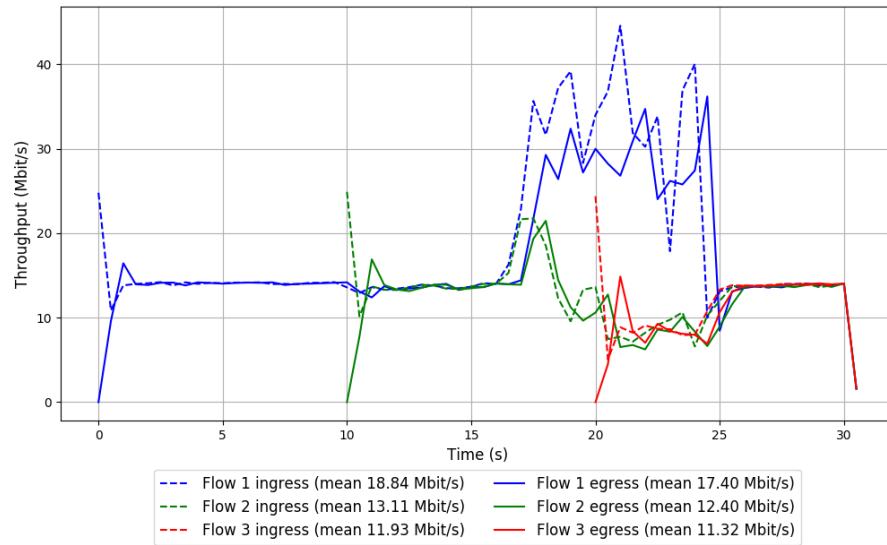


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-05 14:25:38
End at: 2018-06-05 14:26:08
Local clock offset: 6.378 ms
Remote clock offset: -0.798 ms

# Below is generated by plot.py at 2018-06-05 15:22:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.43 Mbit/s
95th percentile per-packet one-way delay: 76.625 ms
Loss rate: 6.69%
-- Flow 1:
Average throughput: 17.40 Mbit/s
95th percentile per-packet one-way delay: 78.536 ms
Loss rate: 7.63%
-- Flow 2:
Average throughput: 12.40 Mbit/s
95th percentile per-packet one-way delay: 73.464 ms
Loss rate: 5.38%
-- Flow 3:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 74.145 ms
Loss rate: 5.09%
```

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

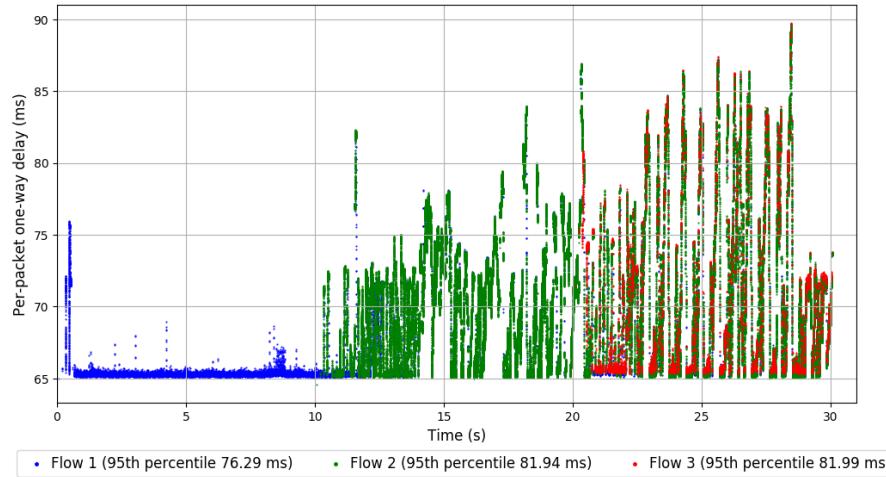
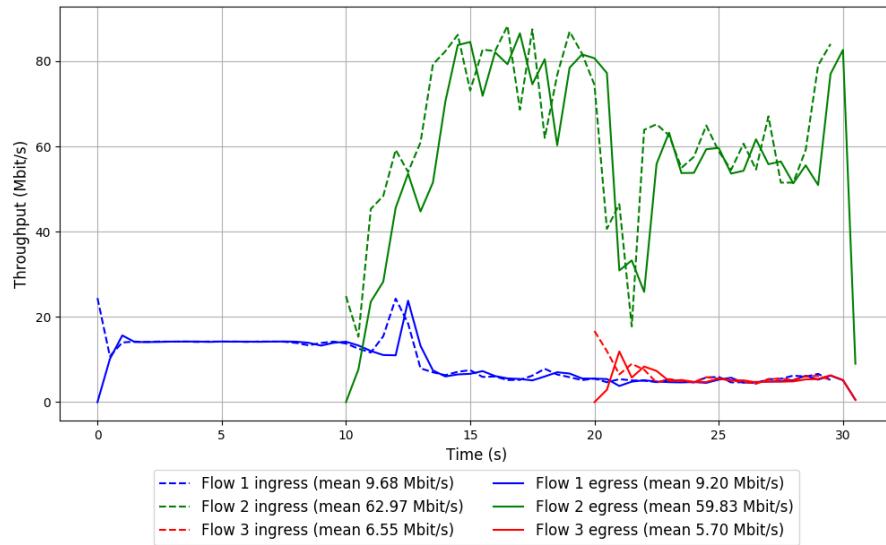


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-05 14:47:37
End at: 2018-06-05 14:48:07
Local clock offset: 5.724 ms
Remote clock offset: -4.77 ms

# Below is generated by plot.py at 2018-06-05 15:22:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.96 Mbit/s
95th percentile per-packet one-way delay: 81.564 ms
Loss rate: 5.26%
-- Flow 1:
Average throughput: 9.20 Mbit/s
95th percentile per-packet one-way delay: 76.291 ms
Loss rate: 4.91%
-- Flow 2:
Average throughput: 59.83 Mbit/s
95th percentile per-packet one-way delay: 81.940 ms
Loss rate: 4.94%
-- Flow 3:
Average throughput: 5.70 Mbit/s
95th percentile per-packet one-way delay: 81.990 ms
Loss rate: 12.89%
```

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

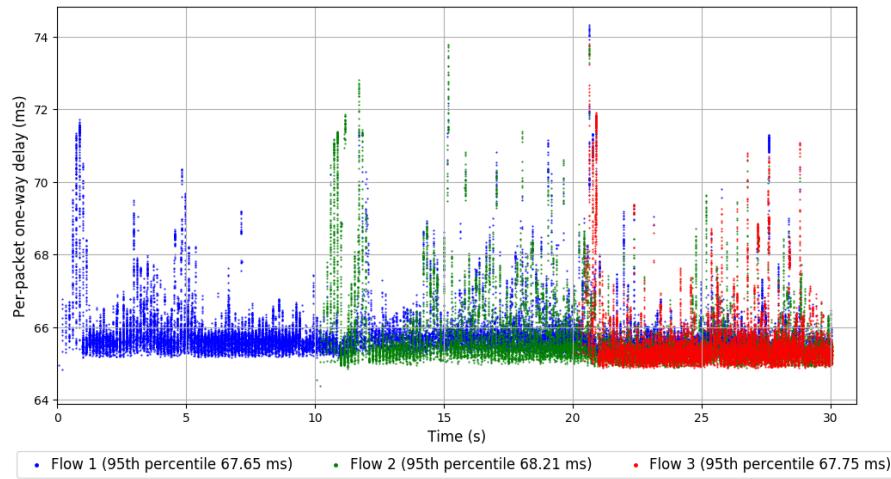
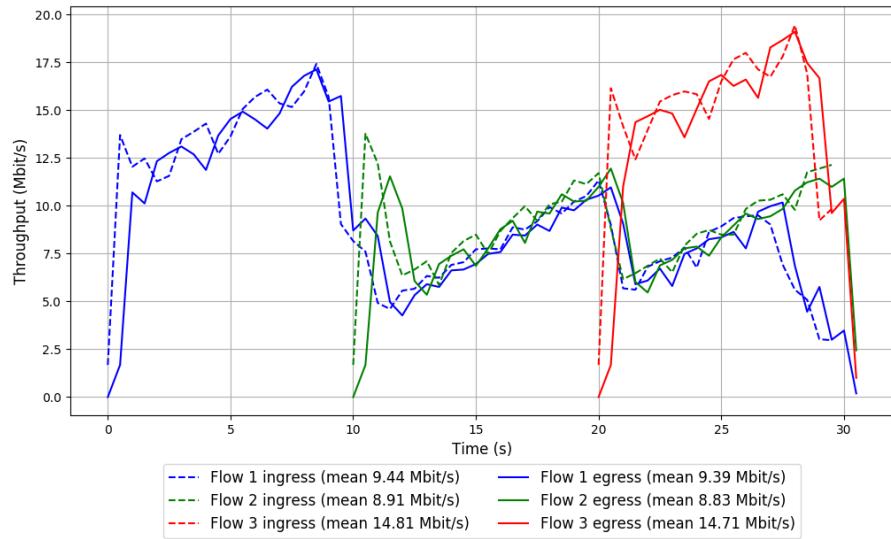


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-05 11:25:38
End at: 2018-06-05 11:26:08
Local clock offset: 7.761 ms
Remote clock offset: -5.775 ms

# Below is generated by plot.py at 2018-06-05 15:22:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.16 Mbit/s
95th percentile per-packet one-way delay: 67.894 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 67.650 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 8.83 Mbit/s
95th percentile per-packet one-way delay: 68.207 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 14.71 Mbit/s
95th percentile per-packet one-way delay: 67.750 ms
Loss rate: 0.66%
```

Run 1: Report of TCP Vegas — Data Link

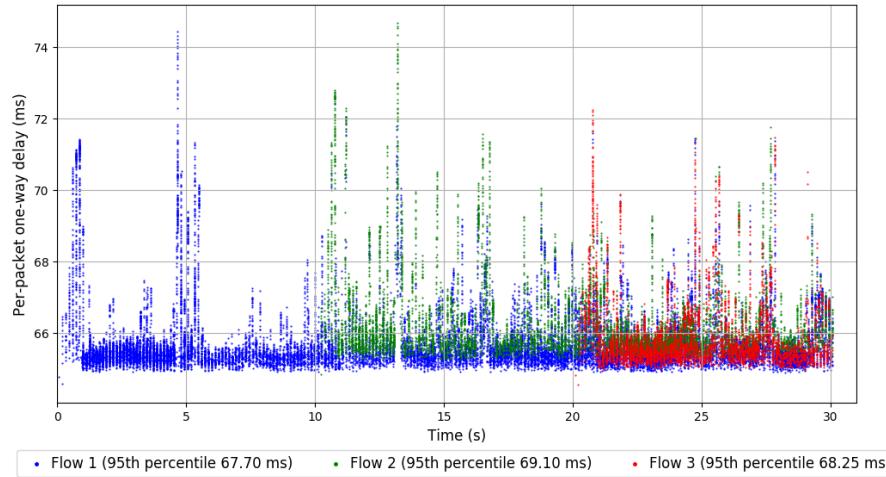
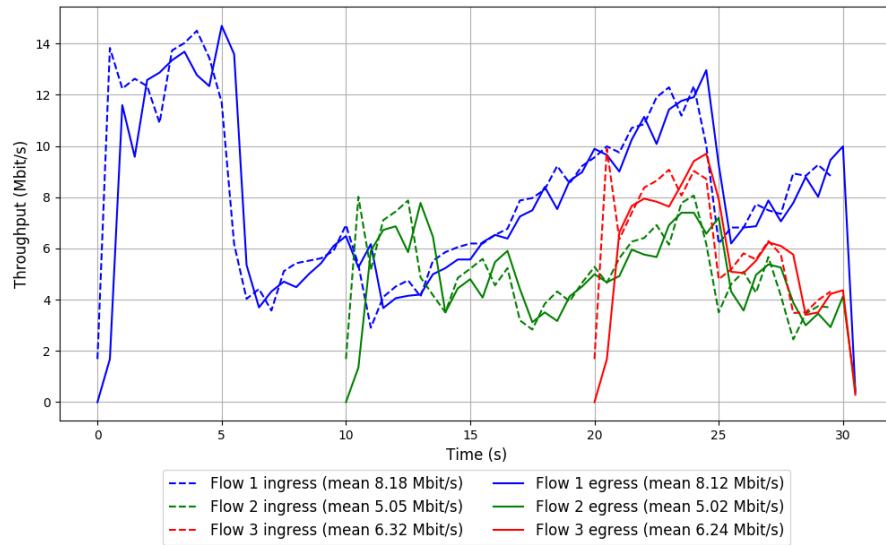


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-05 11:48:20
End at: 2018-06-05 11:48:50
Local clock offset: 7.692 ms
Remote clock offset: -5.017 ms

# Below is generated by plot.py at 2018-06-05 15:22:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.54 Mbit/s
95th percentile per-packet one-way delay: 68.287 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 8.12 Mbit/s
95th percentile per-packet one-way delay: 67.701 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 69.102 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 6.24 Mbit/s
95th percentile per-packet one-way delay: 68.255 ms
Loss rate: 1.18%
```

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

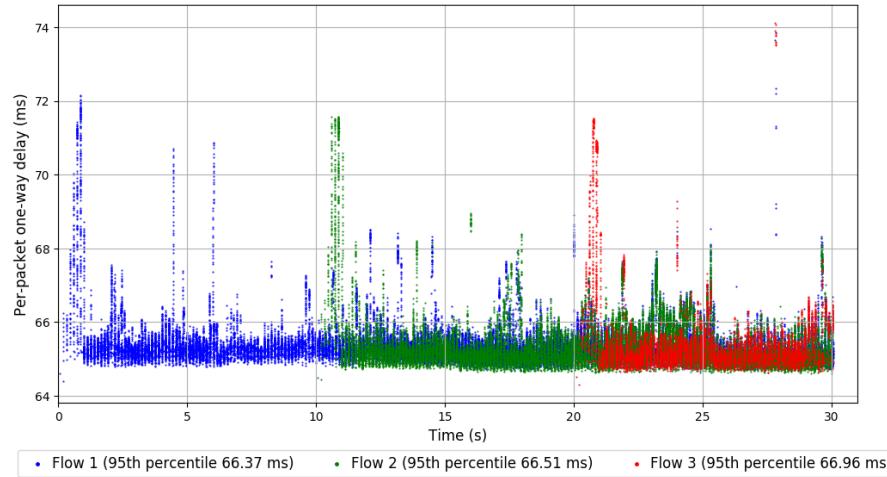
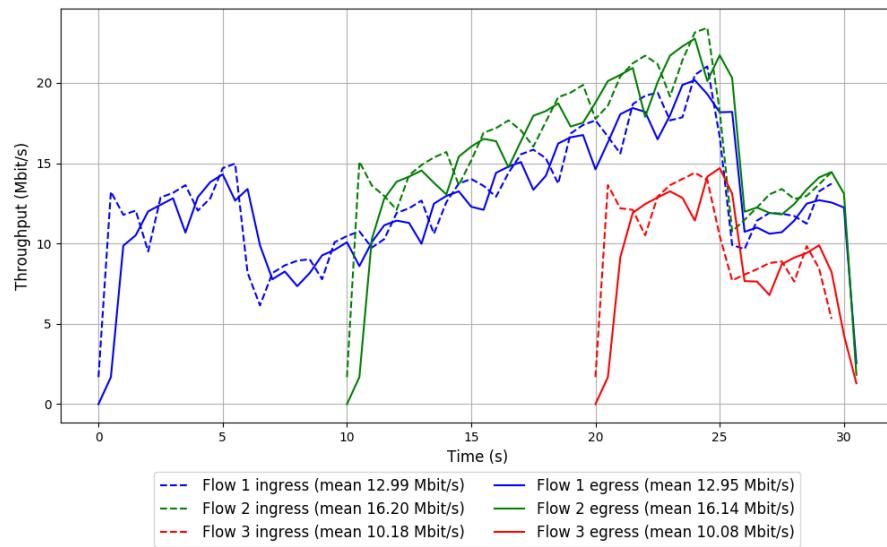


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-05 12:10:45
End at: 2018-06-05 12:11:15
Local clock offset: 7.626 ms
Remote clock offset: -4.535 ms

# Below is generated by plot.py at 2018-06-05 15:22:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.03 Mbit/s
95th percentile per-packet one-way delay: 66.476 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 66.374 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 16.14 Mbit/s
95th percentile per-packet one-way delay: 66.509 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 10.08 Mbit/s
95th percentile per-packet one-way delay: 66.960 ms
Loss rate: 1.00%
```

Run 3: Report of TCP Vegas — Data Link

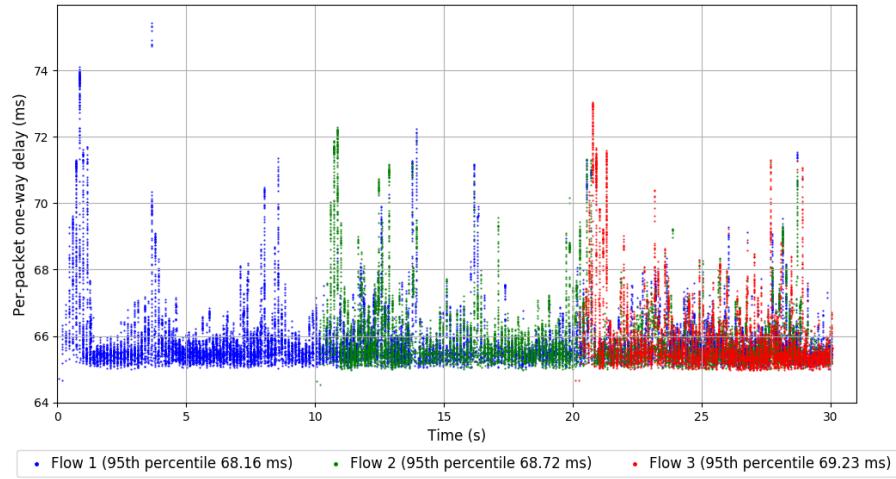
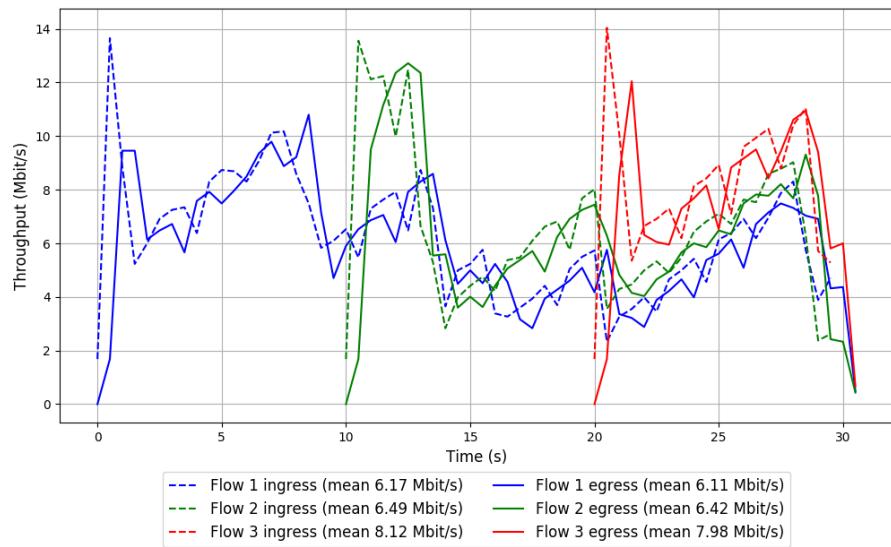


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-05 12:33:09
End at: 2018-06-05 12:33:39
Local clock offset: 5.468 ms
Remote clock offset: -5.526 ms

# Below is generated by plot.py at 2018-06-05 15:22:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 68.610 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 6.11 Mbit/s
95th percentile per-packet one-way delay: 68.163 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 68.720 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 69.235 ms
Loss rate: 1.69%
```

Run 4: Report of TCP Vegas — Data Link

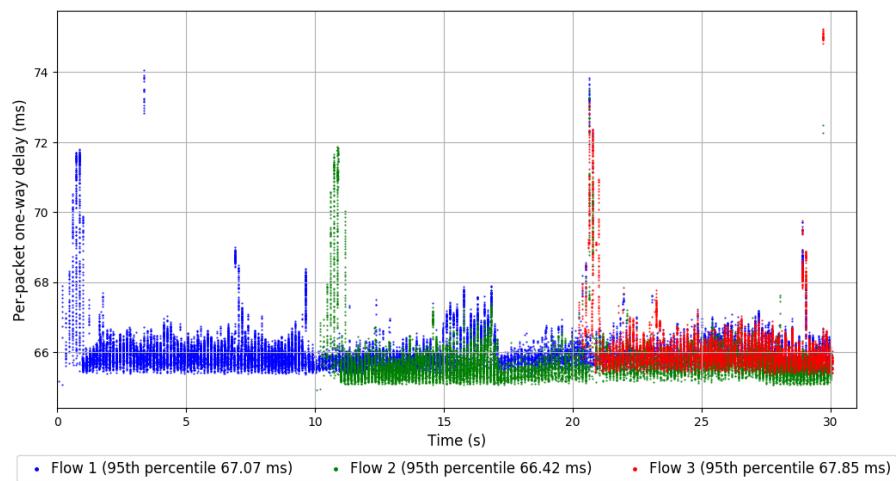
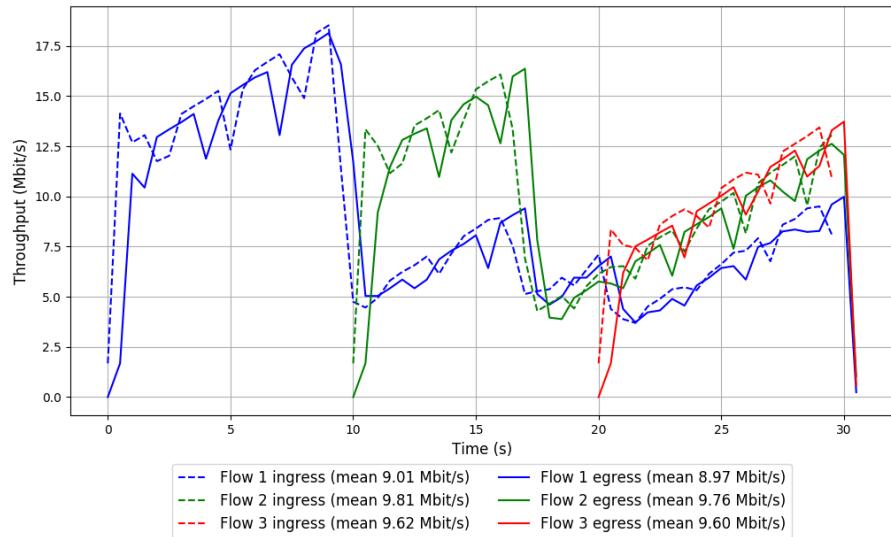


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-05 12:55:32
End at: 2018-06-05 12:56:02
Local clock offset: 5.311 ms
Remote clock offset: -5.556 ms

# Below is generated by plot.py at 2018-06-05 15:22:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 66.973 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 8.97 Mbit/s
95th percentile per-packet one-way delay: 67.073 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 9.76 Mbit/s
95th percentile per-packet one-way delay: 66.420 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 67.849 ms
Loss rate: 0.18%
```

Run 5: Report of TCP Vegas — Data Link

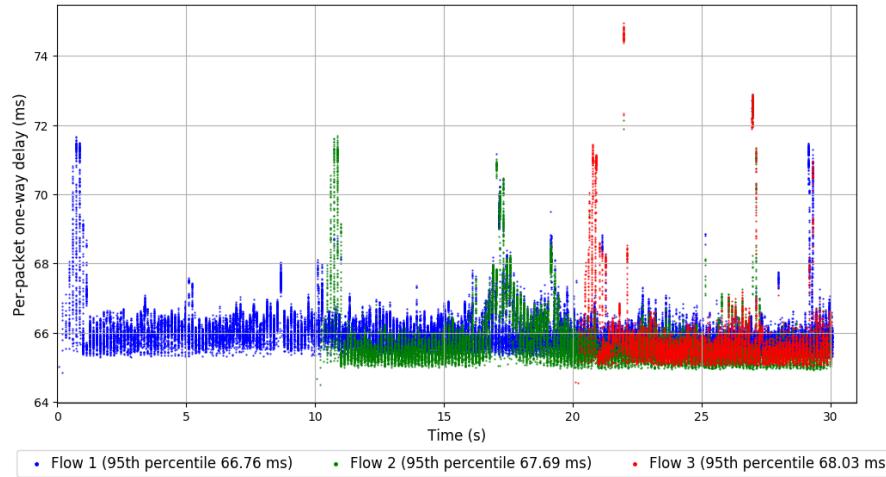
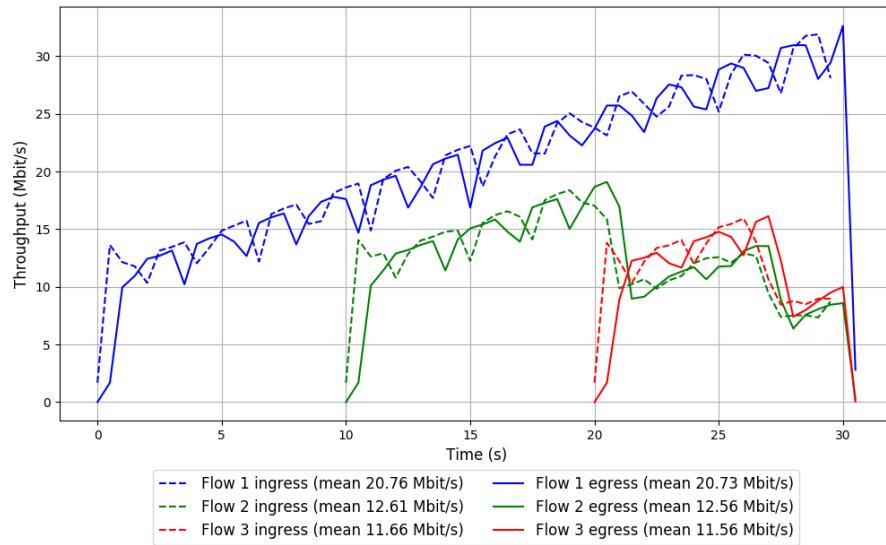


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-05 13:17:40
End at: 2018-06-05 13:18:10
Local clock offset: 4.558 ms
Remote clock offset: -5.823 ms

# Below is generated by plot.py at 2018-06-05 15:22:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.91 Mbit/s
95th percentile per-packet one-way delay: 67.008 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 66.756 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 12.56 Mbit/s
95th percentile per-packet one-way delay: 67.692 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 11.56 Mbit/s
95th percentile per-packet one-way delay: 68.029 ms
Loss rate: 0.83%
```

Run 6: Report of TCP Vegas — Data Link

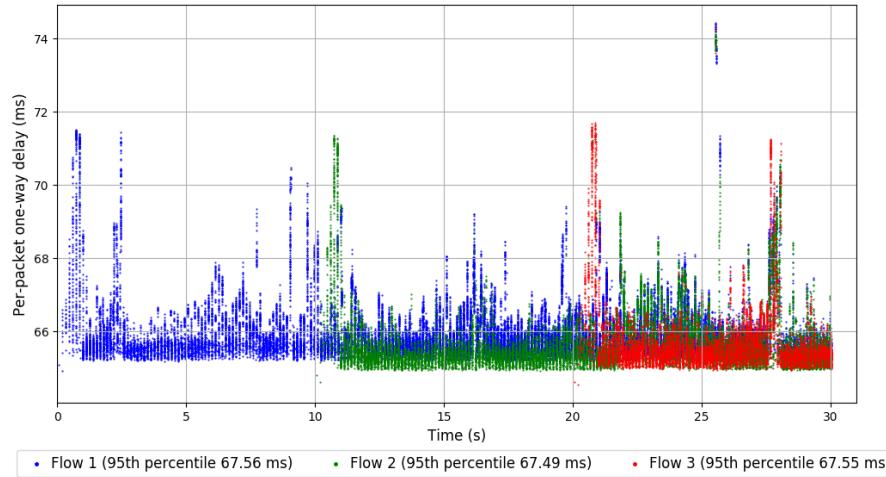
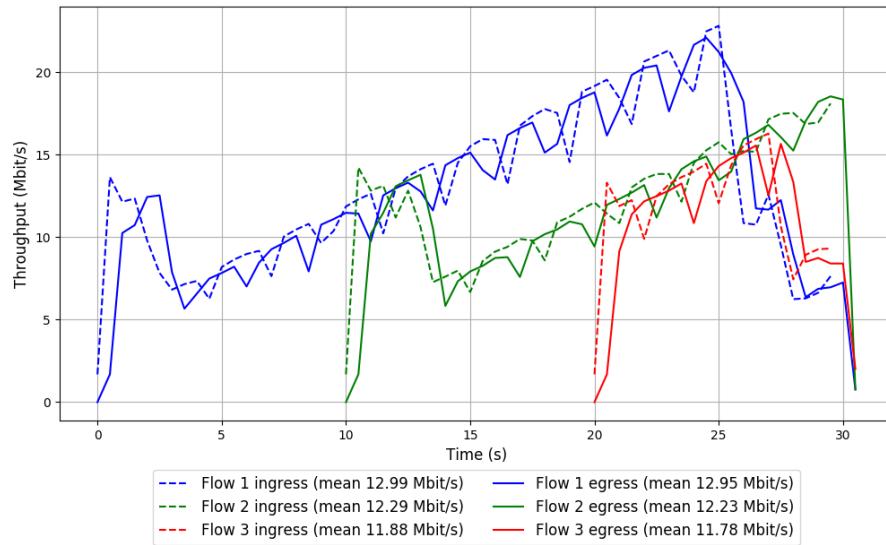


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-05 13:40:14
End at: 2018-06-05 13:40:44
Local clock offset: 4.134 ms
Remote clock offset: -5.769 ms

# Below is generated by plot.py at 2018-06-05 15:22:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.01 Mbit/s
95th percentile per-packet one-way delay: 67.541 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 67.560 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 67.489 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 67.549 ms
Loss rate: 0.84%
```

Run 7: Report of TCP Vegas — Data Link

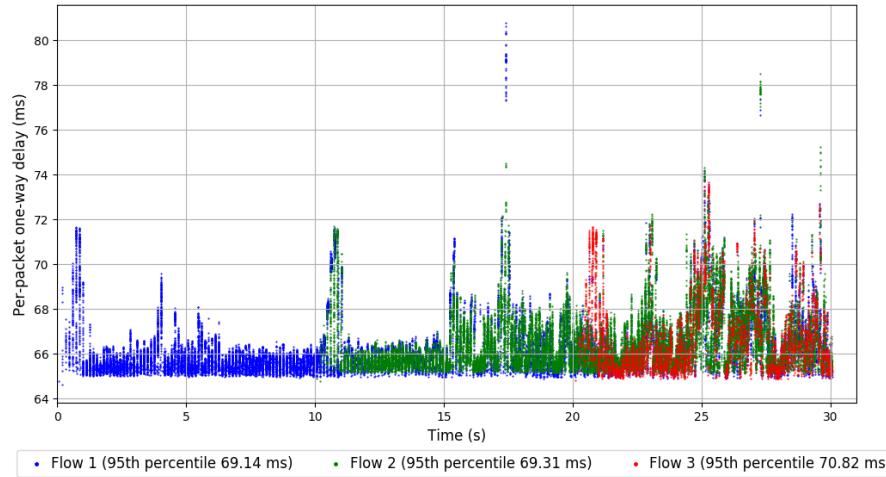
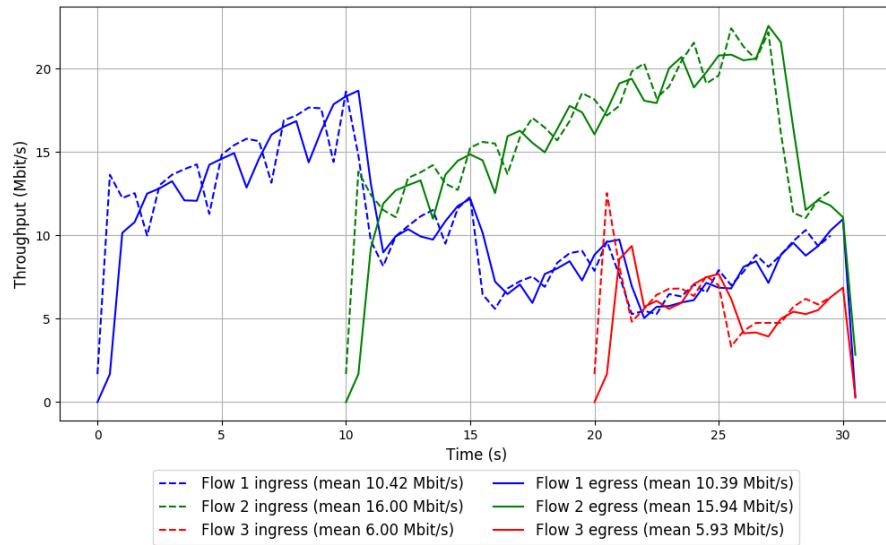


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-05 14:02:25
End at: 2018-06-05 14:02:55
Local clock offset: 4.108 ms
Remote clock offset: -3.858 ms

# Below is generated by plot.py at 2018-06-05 15:22:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.98 Mbit/s
95th percentile per-packet one-way delay: 69.474 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 10.39 Mbit/s
95th percentile per-packet one-way delay: 69.140 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 69.307 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 5.93 Mbit/s
95th percentile per-packet one-way delay: 70.817 ms
Loss rate: 1.12%
```

Run 8: Report of TCP Vegas — Data Link

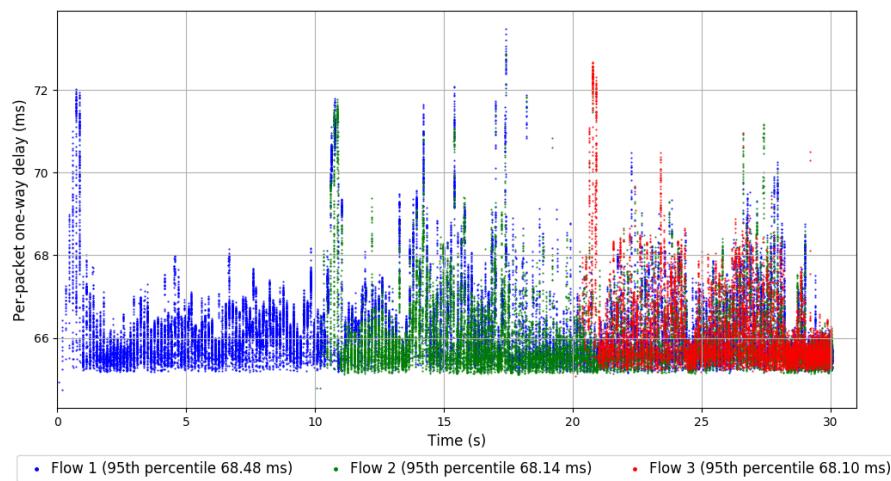
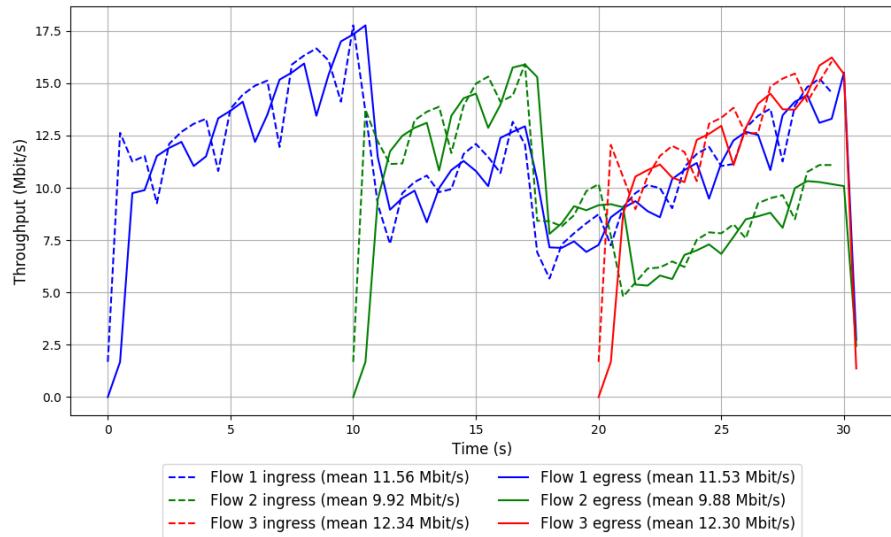


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-05 14:24:18
End at: 2018-06-05 14:24:48
Local clock offset: 6.136 ms
Remote clock offset: -0.986 ms

# Below is generated by plot.py at 2018-06-05 15:22:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.19 Mbit/s
95th percentile per-packet one-way delay: 68.264 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 68.478 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 9.88 Mbit/s
95th percentile per-packet one-way delay: 68.141 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 68.096 ms
Loss rate: 0.27%
```

Run 9: Report of TCP Vegas — Data Link

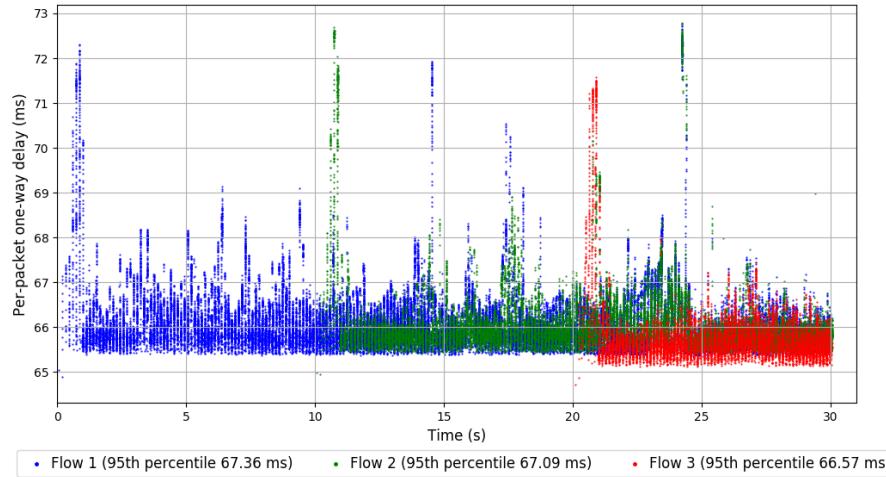
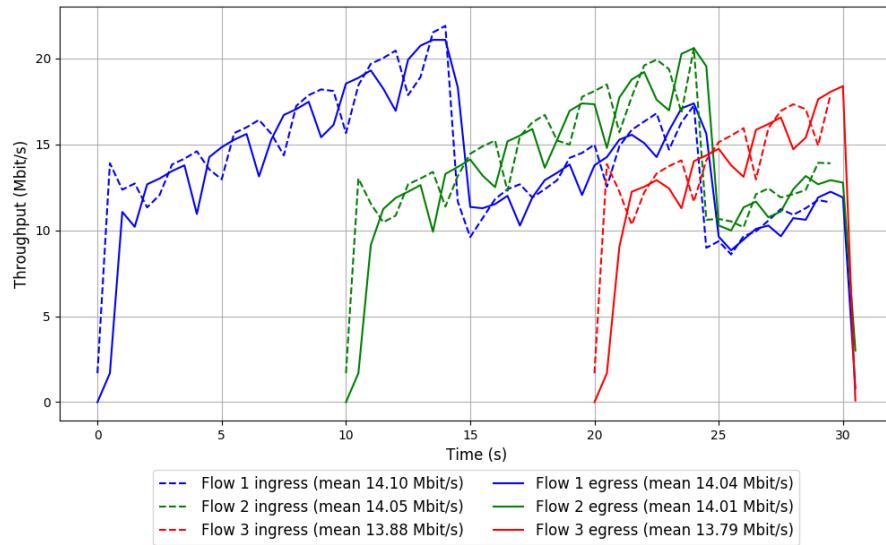


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-05 14:46:16
End at: 2018-06-05 14:46:46
Local clock offset: 5.798 ms
Remote clock offset: -4.625 ms

# Below is generated by plot.py at 2018-06-05 15:22:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.95 Mbit/s
95th percentile per-packet one-way delay: 67.220 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 14.04 Mbit/s
95th percentile per-packet one-way delay: 67.361 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 14.01 Mbit/s
95th percentile per-packet one-way delay: 67.086 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 13.79 Mbit/s
95th percentile per-packet one-way delay: 66.572 ms
Loss rate: 0.65%
```

Run 10: Report of TCP Vegas — Data Link

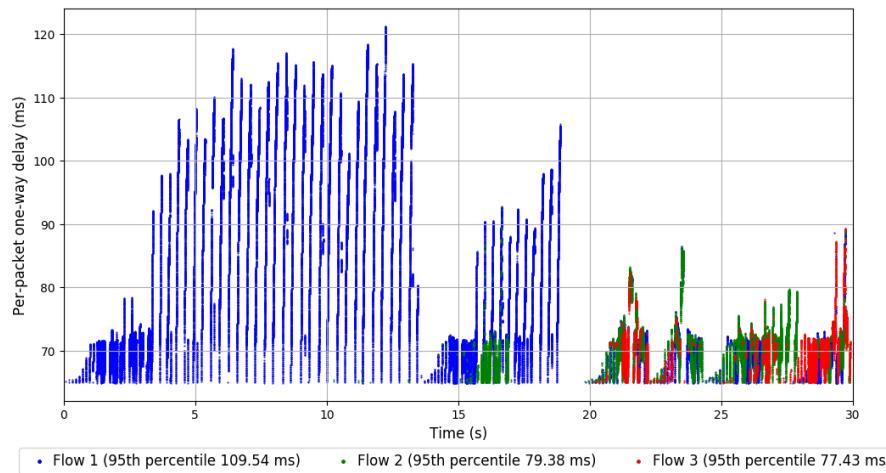
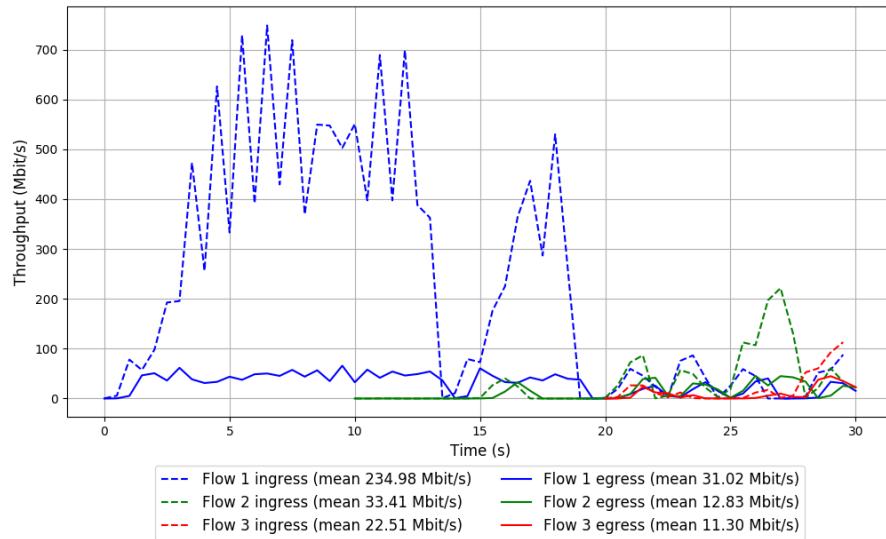


Run 1: Statistics of Verus

```
Start at: 2018-06-05 11:31:07
End at: 2018-06-05 11:31:37
Local clock offset: 7.698 ms
Remote clock offset: -5.751 ms

# Below is generated by plot.py at 2018-06-05 15:23:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.03 Mbit/s
95th percentile per-packet one-way delay: 107.842 ms
Loss rate: 83.63%
-- Flow 1:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 109.540 ms
Loss rate: 86.79%
-- Flow 2:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 79.378 ms
Loss rate: 61.65%
-- Flow 3:
Average throughput: 11.30 Mbit/s
95th percentile per-packet one-way delay: 77.434 ms
Loss rate: 49.76%
```

Run 1: Report of Verus — Data Link

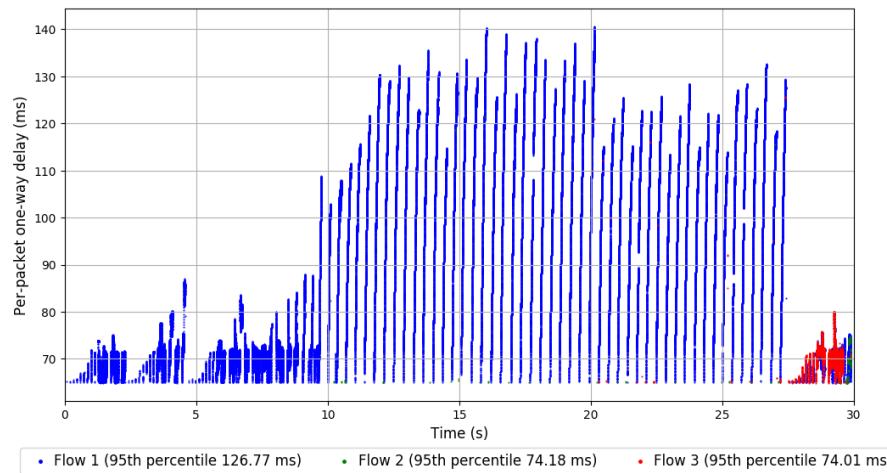
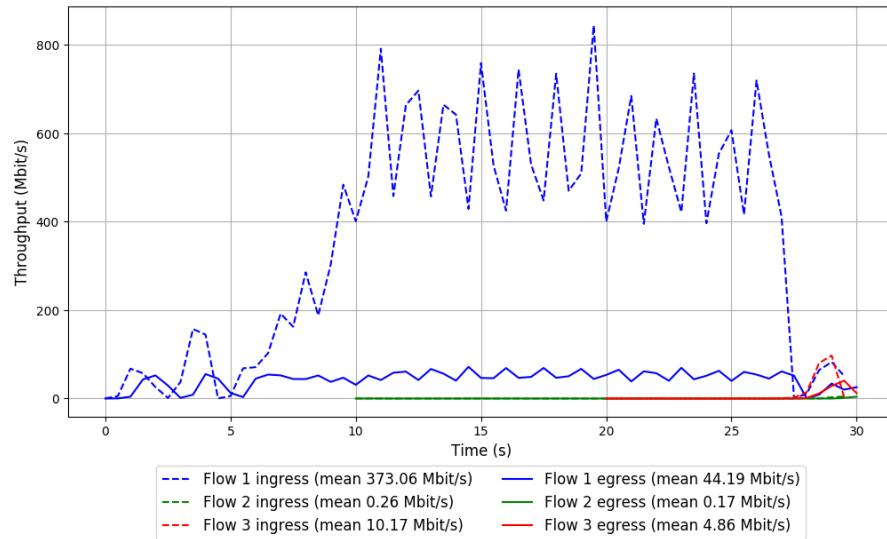


Run 2: Statistics of Verus

```
Start at: 2018-06-05 11:54:11
End at: 2018-06-05 11:54:41
Local clock offset: 7.819 ms
Remote clock offset: -4.752 ms

# Below is generated by plot.py at 2018-06-05 15:24:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.89 Mbit/s
95th percentile per-packet one-way delay: 126.555 ms
Loss rate: 87.81%
-- Flow 1:
Average throughput: 44.19 Mbit/s
95th percentile per-packet one-way delay: 126.774 ms
Loss rate: 88.15%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 74.176 ms
Loss rate: 33.41%
-- Flow 3:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 74.009 ms
Loss rate: 52.47%
```

Run 2: Report of Verus — Data Link

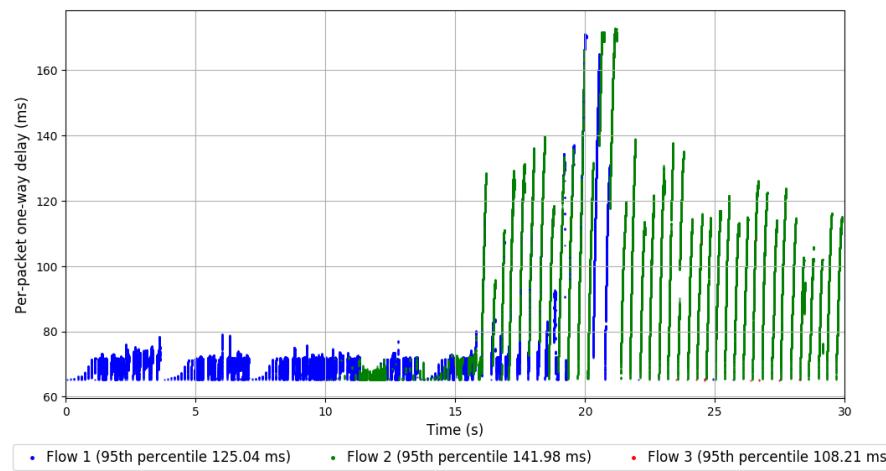
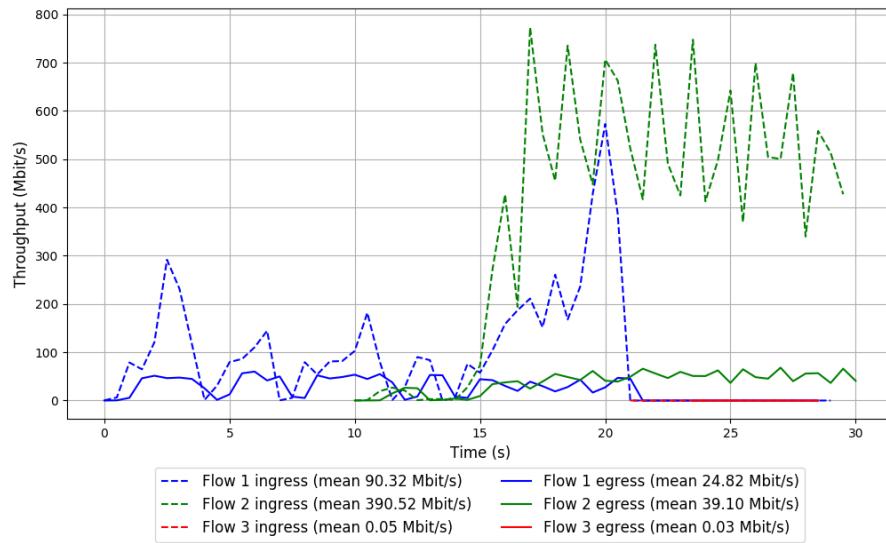


Run 3: Statistics of Verus

```
Start at: 2018-06-05 12:16:16
End at: 2018-06-05 12:16:46
Local clock offset: 6.616 ms
Remote clock offset: -4.57 ms

# Below is generated by plot.py at 2018-06-05 15:24:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.47 Mbit/s
95th percentile per-packet one-way delay: 134.254 ms
Loss rate: 85.73%
-- Flow 1:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 125.037 ms
Loss rate: 73.26%
-- Flow 2:
Average throughput: 39.10 Mbit/s
95th percentile per-packet one-way delay: 141.982 ms
Loss rate: 89.96%
-- Flow 3:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 108.212 ms
Loss rate: 64.52%
```

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

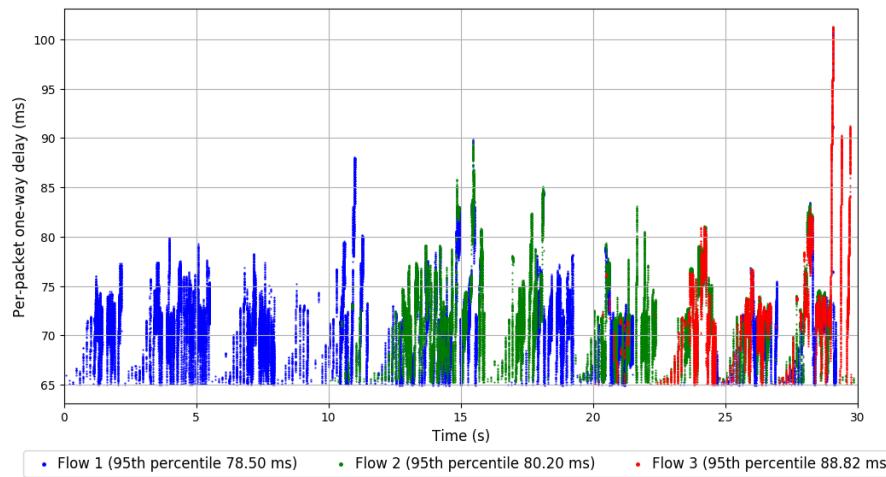
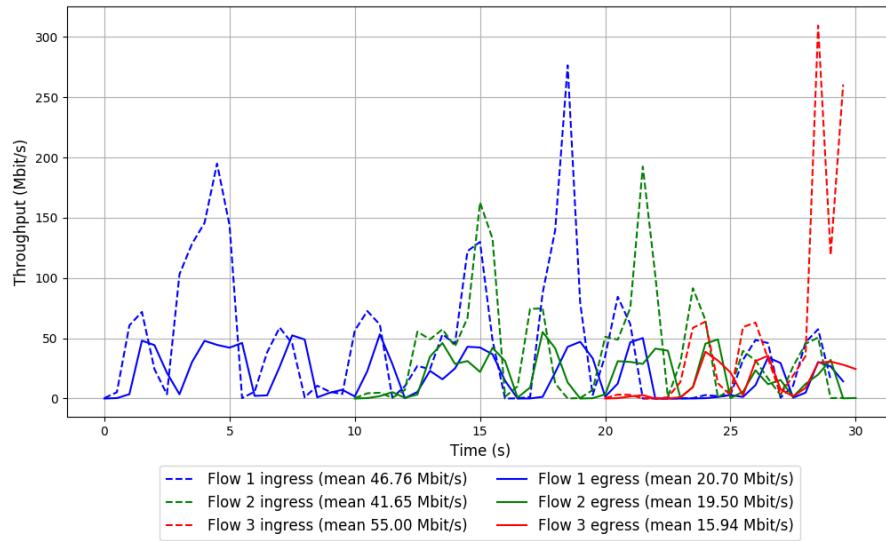


Run 4: Statistics of Verus

```
Start at: 2018-06-05 12:38:47
End at: 2018-06-05 12:39:17
Local clock offset: 5.357 ms
Remote clock offset: -5.542 ms

# Below is generated by plot.py at 2018-06-05 15:24:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 80.129 ms
Loss rate: 58.07%
-- Flow 1:
Average throughput: 20.70 Mbit/s
95th percentile per-packet one-way delay: 78.497 ms
Loss rate: 55.99%
-- Flow 2:
Average throughput: 19.50 Mbit/s
95th percentile per-packet one-way delay: 80.205 ms
Loss rate: 53.18%
-- Flow 3:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 88.822 ms
Loss rate: 71.02%
```

Run 4: Report of Verus — Data Link

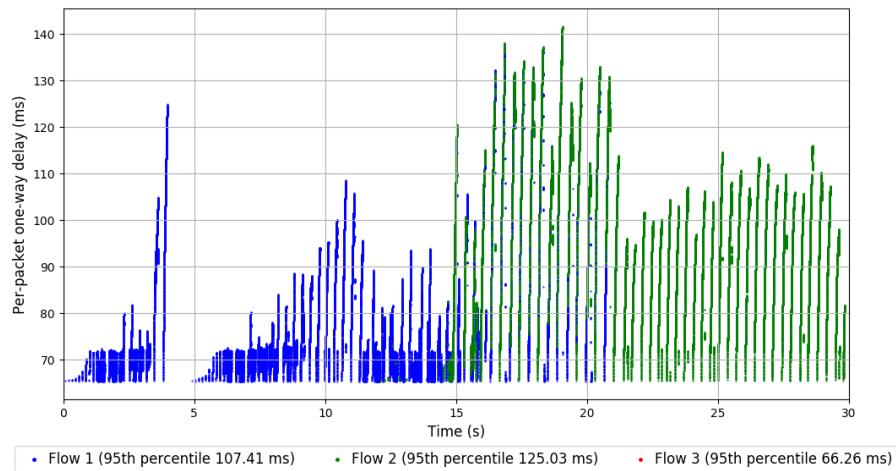
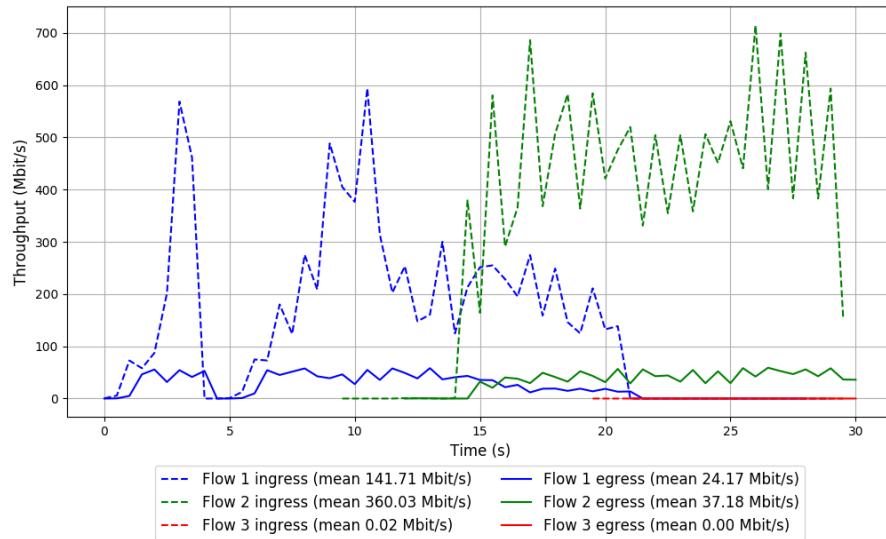


Run 5: Statistics of Verus

```
Start at: 2018-06-05 13:01:04
End at: 2018-06-05 13:01:34
Local clock offset: 5.182 ms
Remote clock offset: -5.599 ms

# Below is generated by plot.py at 2018-06-05 15:24:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.73 Mbit/s
95th percentile per-packet one-way delay: 120.661 ms
Loss rate: 88.23%
-- Flow 1:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 107.414 ms
Loss rate: 83.98%
-- Flow 2:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 125.032 ms
Loss rate: 90.71%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 66.260 ms
Loss rate: 84.62%
```

Run 5: Report of Verus — Data Link

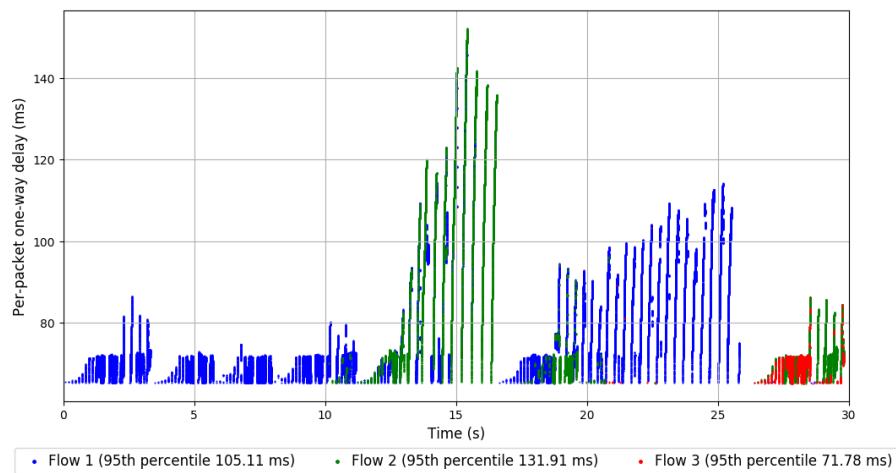
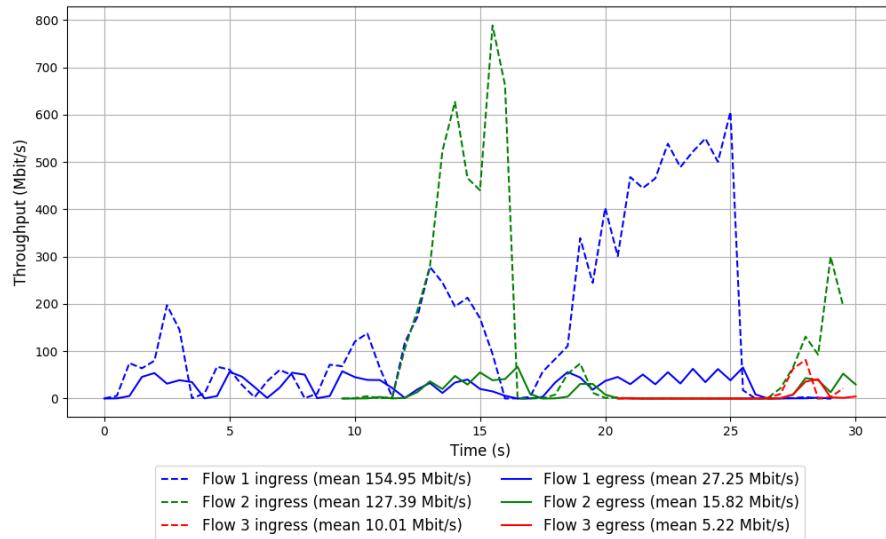


Run 6: Statistics of Verus

```
Start at: 2018-06-05 13:23:10
End at: 2018-06-05 13:23:40
Local clock offset: 4.322 ms
Remote clock offset: -5.895 ms

# Below is generated by plot.py at 2018-06-05 15:24:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.60 Mbit/s
95th percentile per-packet one-way delay: 113.610 ms
Loss rate: 83.85%
-- Flow 1:
Average throughput: 27.25 Mbit/s
95th percentile per-packet one-way delay: 105.109 ms
Loss rate: 82.49%
-- Flow 2:
Average throughput: 15.82 Mbit/s
95th percentile per-packet one-way delay: 131.911 ms
Loss rate: 87.57%
-- Flow 3:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 71.784 ms
Loss rate: 47.82%
```

## Run 6: Report of Verus — Data Link

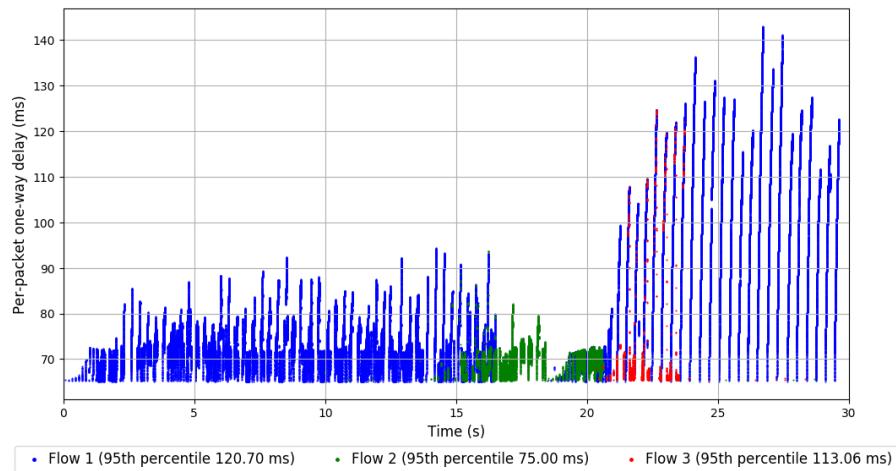
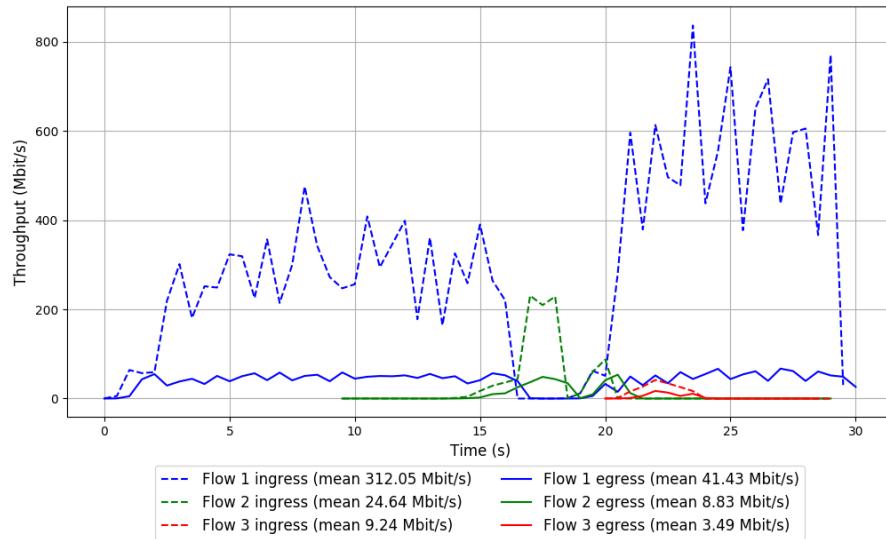


Run 7: Statistics of Verus

```
Start at: 2018-06-05 13:45:54
End at: 2018-06-05 13:46:24
Local clock offset: 3.941 ms
Remote clock offset: -5.824 ms

# Below is generated by plot.py at 2018-06-05 15:24:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.96 Mbit/s
95th percentile per-packet one-way delay: 119.306 ms
Loss rate: 85.49%
-- Flow 1:
Average throughput: 41.43 Mbit/s
95th percentile per-packet one-way delay: 120.704 ms
Loss rate: 86.70%
-- Flow 2:
Average throughput: 8.83 Mbit/s
95th percentile per-packet one-way delay: 75.003 ms
Loss rate: 65.61%
-- Flow 3:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 113.059 ms
Loss rate: 65.60%
```

Run 7: Report of Verus — Data Link

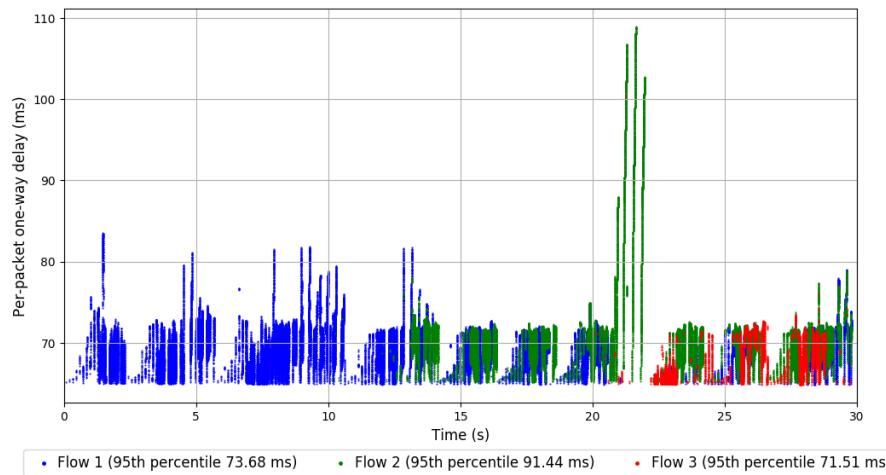
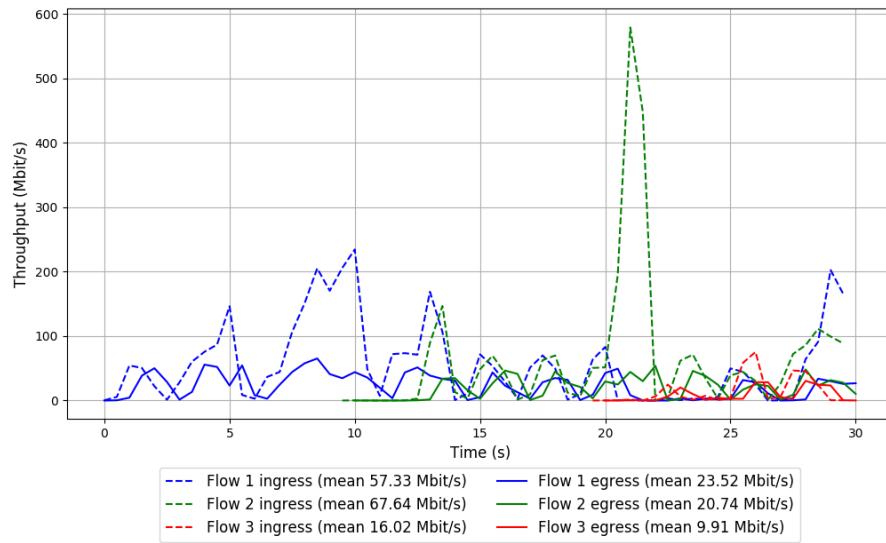


Run 8: Statistics of Verus

```
Start at: 2018-06-05 14:07:54
End at: 2018-06-05 14:08:24
Local clock offset: 3.961 ms
Remote clock offset: -2.775 ms

# Below is generated by plot.py at 2018-06-05 15:24:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 76.028 ms
Loss rate: 62.29%
-- Flow 1:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 73.682 ms
Loss rate: 58.95%
-- Flow 2:
Average throughput: 20.74 Mbit/s
95th percentile per-packet one-way delay: 91.439 ms
Loss rate: 69.33%
-- Flow 3:
Average throughput: 9.91 Mbit/s
95th percentile per-packet one-way delay: 71.511 ms
Loss rate: 38.22%
```

Run 8: Report of Verus — Data Link

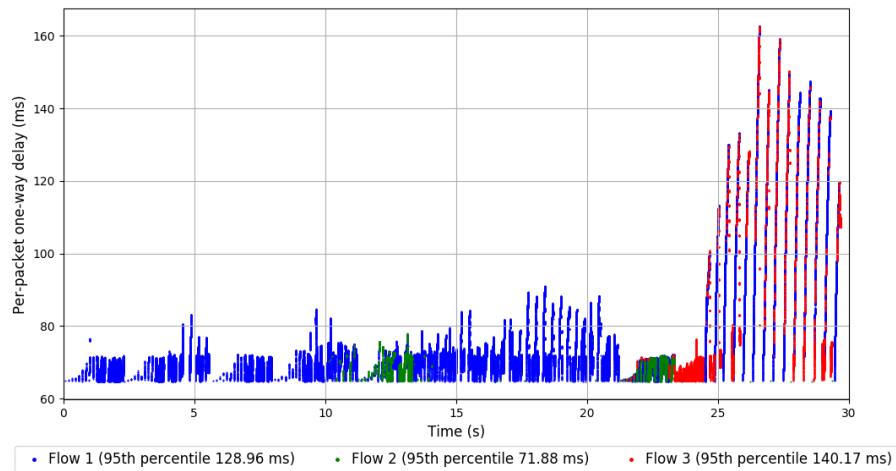
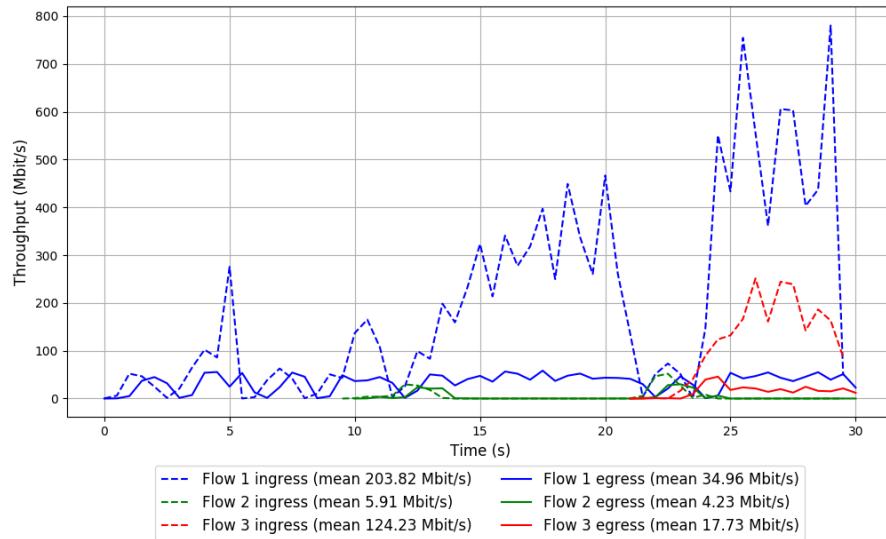


Run 9: Statistics of Verus

```
Start at: 2018-06-05 14:29:48
End at: 2018-06-05 14:30:18
Local clock offset: 6.79 ms
Remote clock offset: -0.716 ms

# Below is generated by plot.py at 2018-06-05 15:24:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.66 Mbit/s
95th percentile per-packet one-way delay: 129.731 ms
Loss rate: 82.35%
-- Flow 1:
Average throughput: 34.96 Mbit/s
95th percentile per-packet one-way delay: 128.957 ms
Loss rate: 82.82%
-- Flow 2:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 71.881 ms
Loss rate: 28.90%
-- Flow 3:
Average throughput: 17.73 Mbit/s
95th percentile per-packet one-way delay: 140.172 ms
Loss rate: 85.65%
```

## Run 9: Report of Verus — Data Link

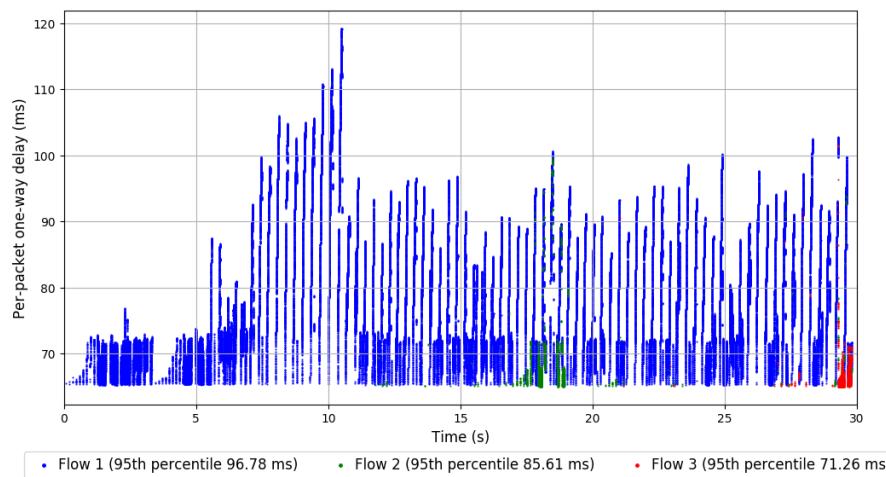
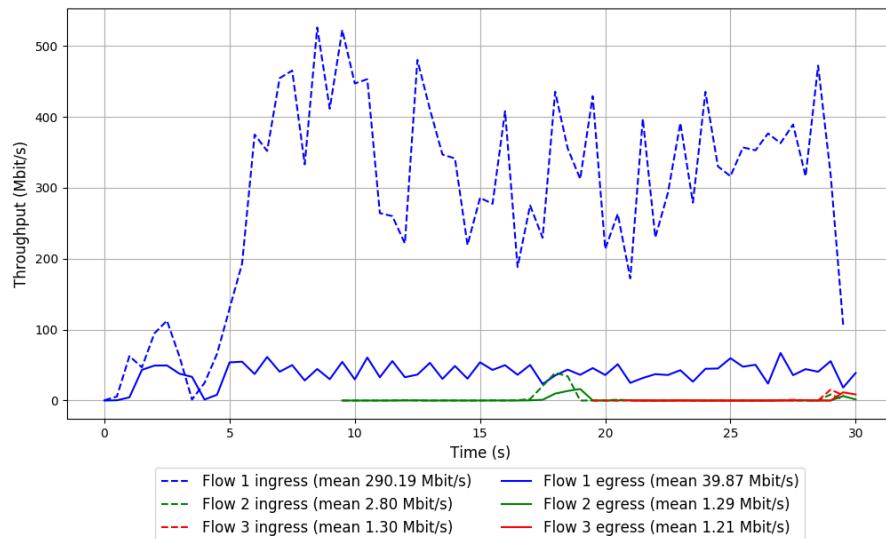


Run 10: Statistics of Verus

```
Start at: 2018-06-05 14:51:51
End at: 2018-06-05 14:52:21
Local clock offset: 5.291 ms
Remote clock offset: -5.138 ms

# Below is generated by plot.py at 2018-06-05 15:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.09 Mbit/s
95th percentile per-packet one-way delay: 96.646 ms
Loss rate: 85.95%
-- Flow 1:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 96.781 ms
Loss rate: 86.26%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 85.605 ms
Loss rate: 53.90%
-- Flow 3:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 71.262 ms
Loss rate: 16.01%
```

Run 10: Report of Verus — Data Link

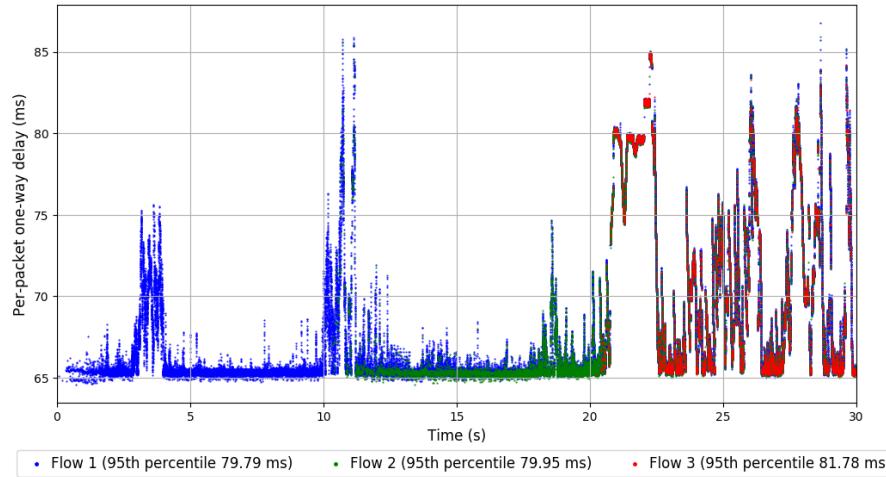
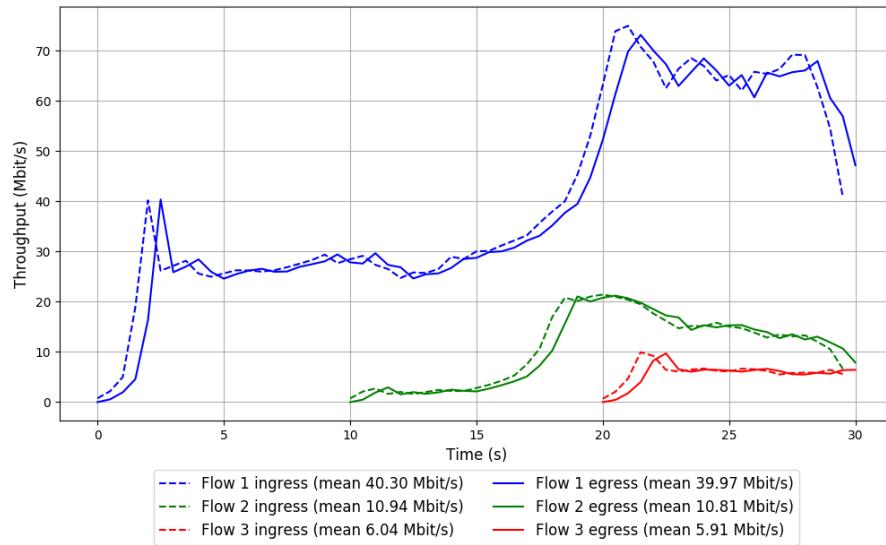


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2018-06-05 11:35:17
End at: 2018-06-05 11:35:47
Local clock offset: 7.592 ms
Remote clock offset: -5.633 ms

# Below is generated by plot.py at 2018-06-05 15:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.12 Mbit/s
95th percentile per-packet one-way delay: 79.842 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 39.97 Mbit/s
95th percentile per-packet one-way delay: 79.788 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 10.81 Mbit/s
95th percentile per-packet one-way delay: 79.953 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 5.91 Mbit/s
95th percentile per-packet one-way delay: 81.785 ms
Loss rate: 2.08%
```

Run 1: Report of PCC-Vivace — Data Link

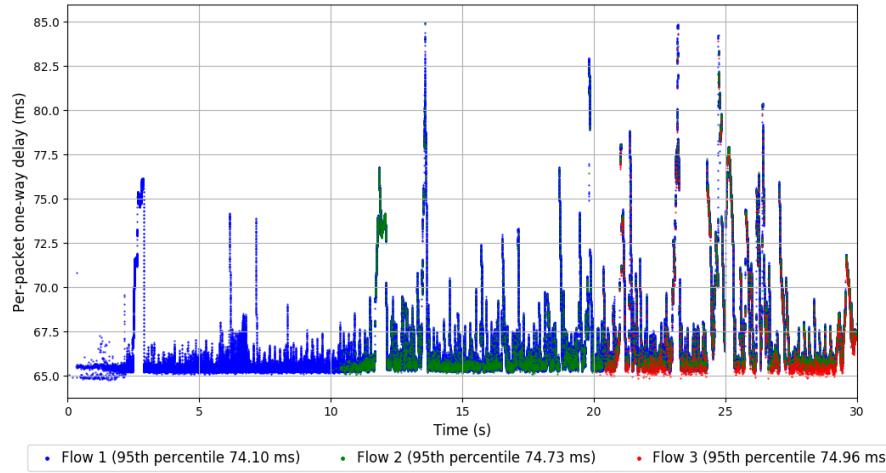
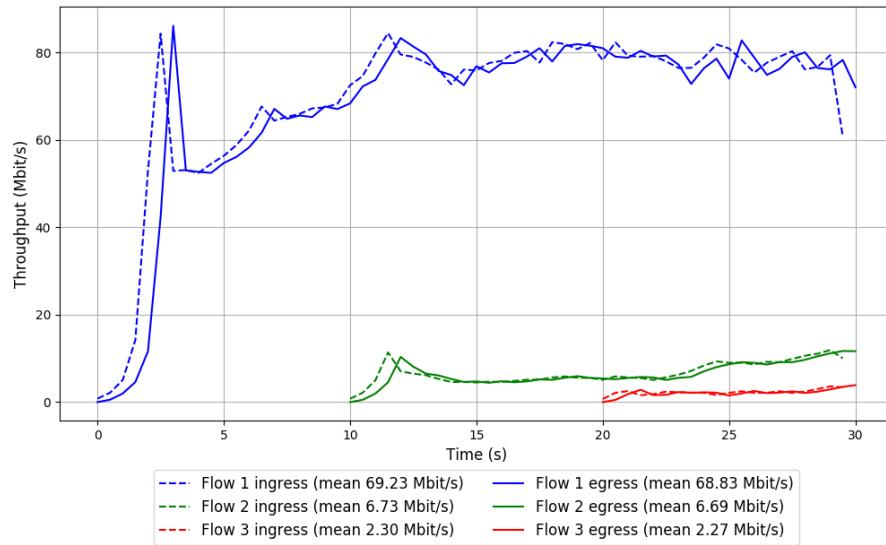


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-05 11:58:29
End at: 2018-06-05 11:58:59
Local clock offset: 7.684 ms
Remote clock offset: -4.684 ms

# Below is generated by plot.py at 2018-06-05 15:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.03 Mbit/s
95th percentile per-packet one-way delay: 74.166 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 68.83 Mbit/s
95th percentile per-packet one-way delay: 74.100 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 6.69 Mbit/s
95th percentile per-packet one-way delay: 74.729 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 74.957 ms
Loss rate: 0.92%
```

Run 2: Report of PCC-Vivace — Data Link

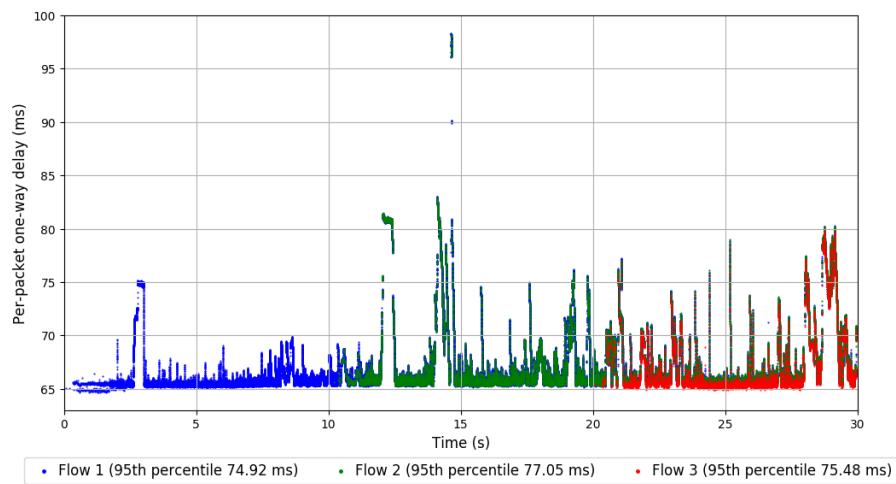
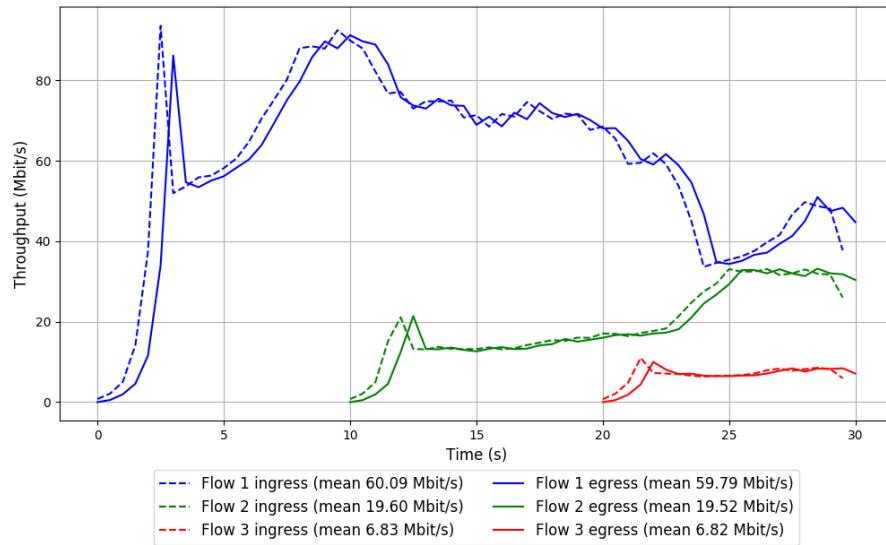


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-05 12:20:35
End at: 2018-06-05 12:21:05
Local clock offset: 6.061 ms
Remote clock offset: -4.972 ms

# Below is generated by plot.py at 2018-06-05 15:25:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.02 Mbit/s
95th percentile per-packet one-way delay: 75.125 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 59.79 Mbit/s
95th percentile per-packet one-way delay: 74.915 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 19.52 Mbit/s
95th percentile per-packet one-way delay: 77.046 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 75.481 ms
Loss rate: 0.17%
```

Run 3: Report of PCC-Vivace — Data Link

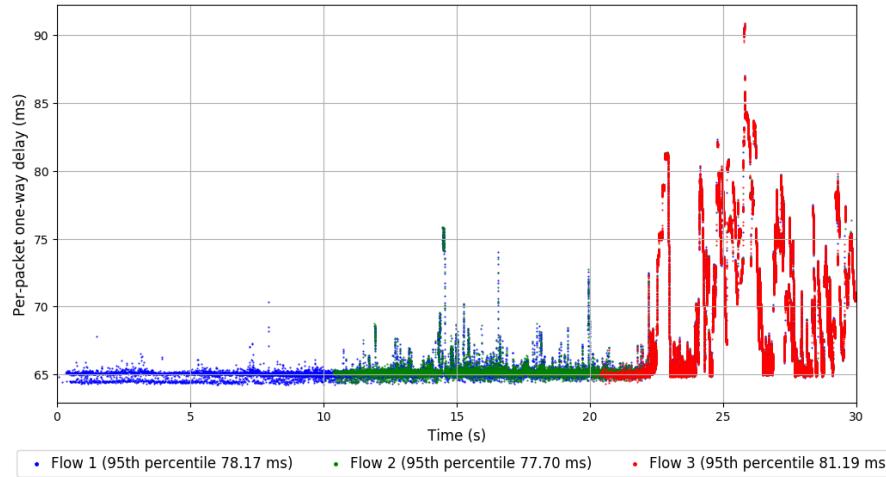
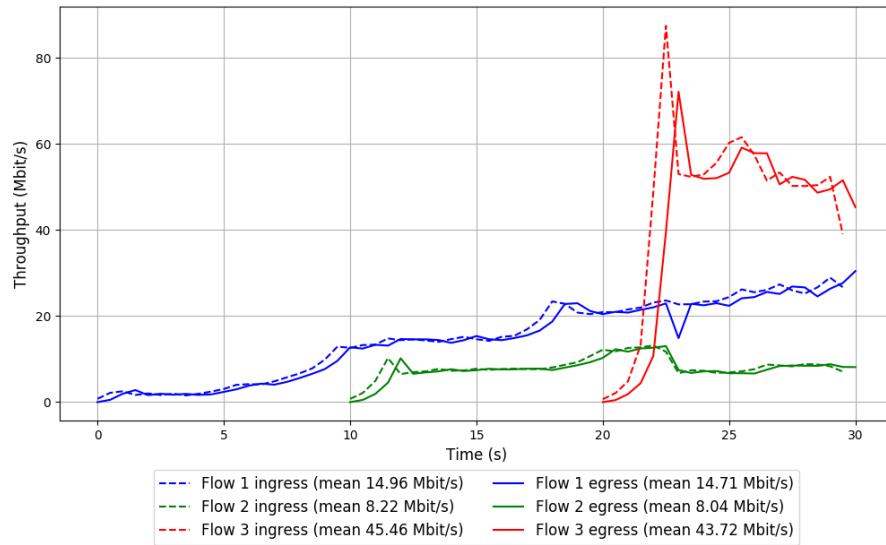


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-05 12:43:01
End at: 2018-06-05 12:43:31
Local clock offset: 5.49 ms
Remote clock offset: -5.575 ms

# Below is generated by plot.py at 2018-06-05 15:25:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.51 Mbit/s
95th percentile per-packet one-way delay: 79.658 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 14.71 Mbit/s
95th percentile per-packet one-way delay: 78.169 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 77.700 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 43.72 Mbit/s
95th percentile per-packet one-way delay: 81.195 ms
Loss rate: 3.77%
```

Run 4: Report of PCC-Vivace — Data Link

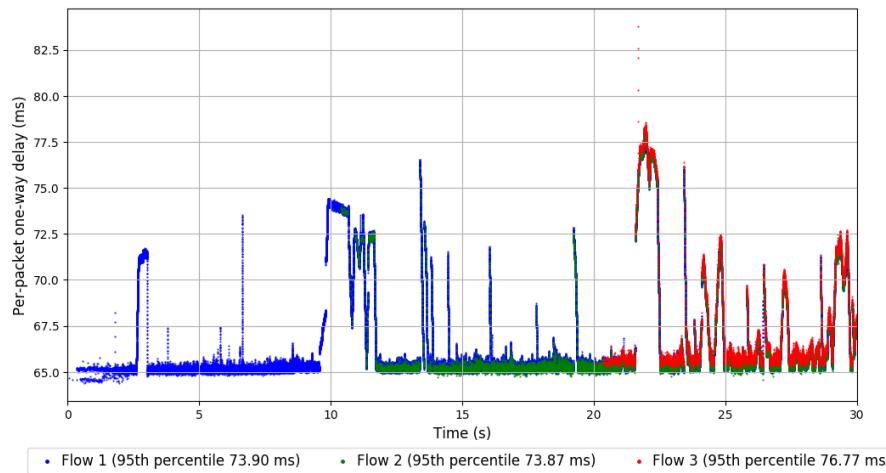
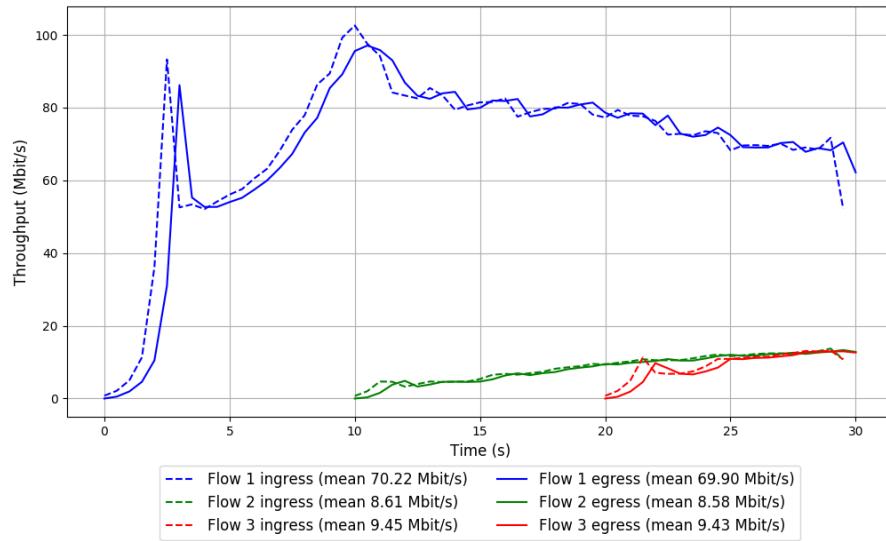


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-05 13:05:15
End at: 2018-06-05 13:05:45
Local clock offset: 5.413 ms
Remote clock offset: -5.564 ms

# Below is generated by plot.py at 2018-06-05 15:25:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.72 Mbit/s
95th percentile per-packet one-way delay: 73.926 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 69.90 Mbit/s
95th percentile per-packet one-way delay: 73.903 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 73.869 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 9.43 Mbit/s
95th percentile per-packet one-way delay: 76.773 ms
Loss rate: 0.27%
```

Run 5: Report of PCC-Vivace — Data Link

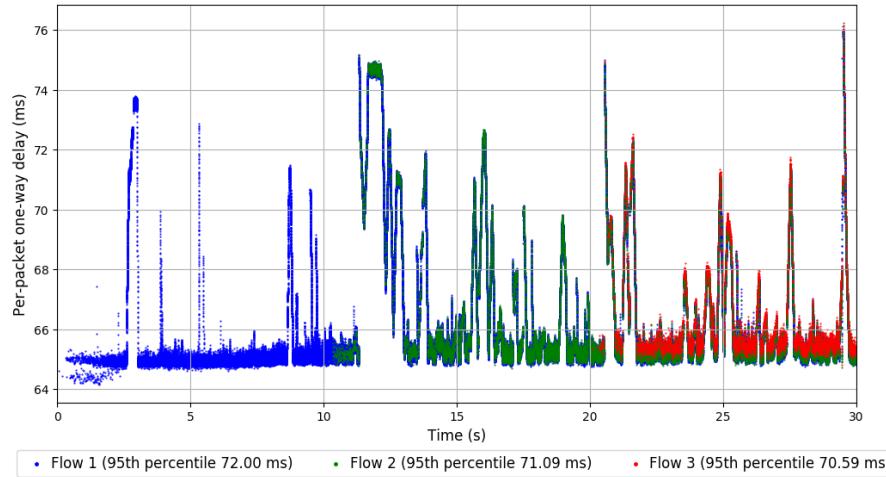
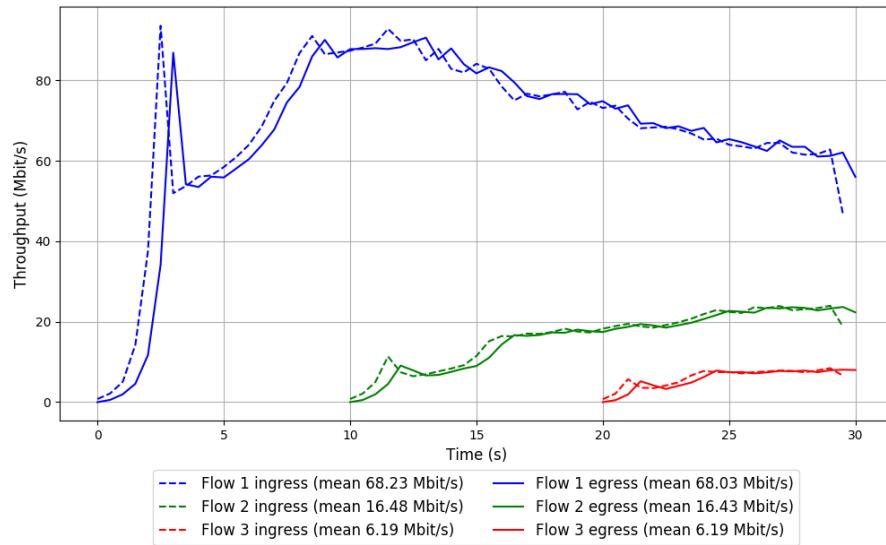


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-05 13:27:20
End at: 2018-06-05 13:27:50
Local clock offset: 4.409 ms
Remote clock offset: -5.787 ms

# Below is generated by plot.py at 2018-06-05 15:25:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.00 Mbit/s
95th percentile per-packet one-way delay: 71.754 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 68.03 Mbit/s
95th percentile per-packet one-way delay: 71.995 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 16.43 Mbit/s
95th percentile per-packet one-way delay: 71.093 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 6.19 Mbit/s
95th percentile per-packet one-way delay: 70.590 ms
Loss rate: 0.02%
```

Run 6: Report of PCC-Vivace — Data Link

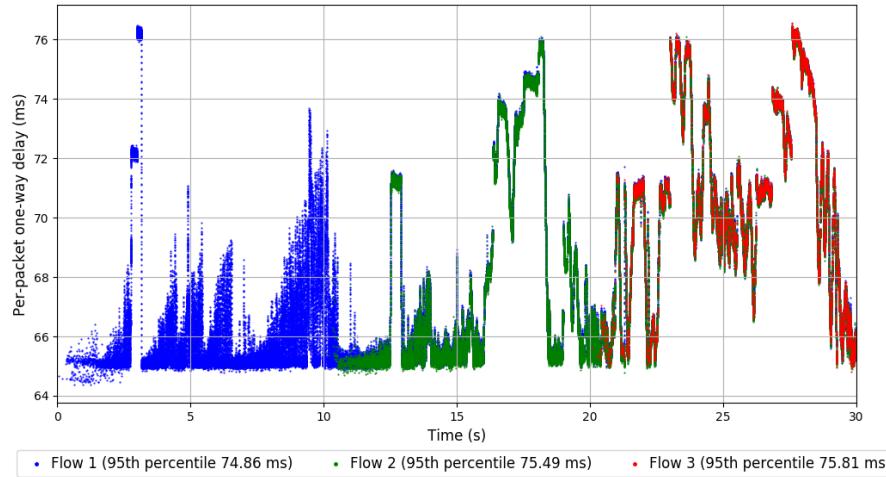
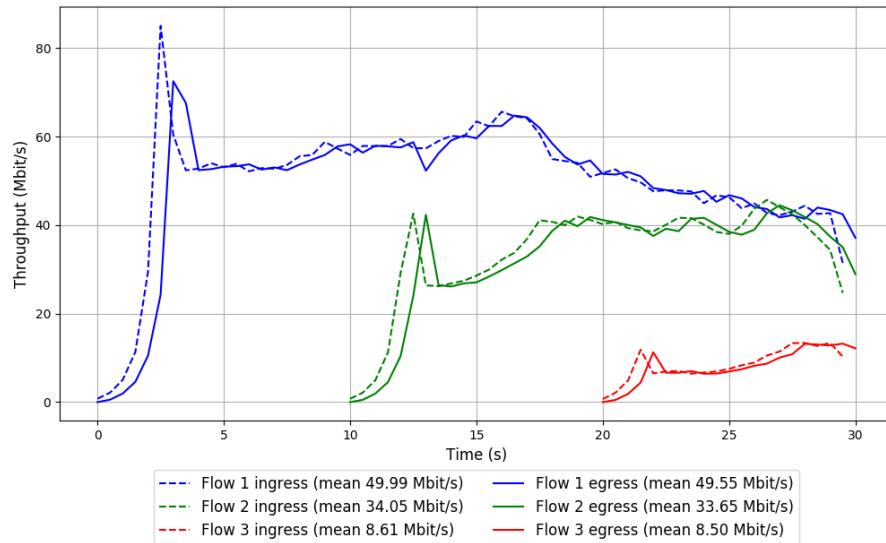


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-05 13:50:06
End at: 2018-06-05 13:50:36
Local clock offset: 4.07 ms
Remote clock offset: -5.889 ms

# Below is generated by plot.py at 2018-06-05 15:25:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.74 Mbit/s
95th percentile per-packet one-way delay: 75.250 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 49.55 Mbit/s
95th percentile per-packet one-way delay: 74.855 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 33.65 Mbit/s
95th percentile per-packet one-way delay: 75.494 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 75.809 ms
Loss rate: 1.22%
```

Run 7: Report of PCC-Vivace — Data Link

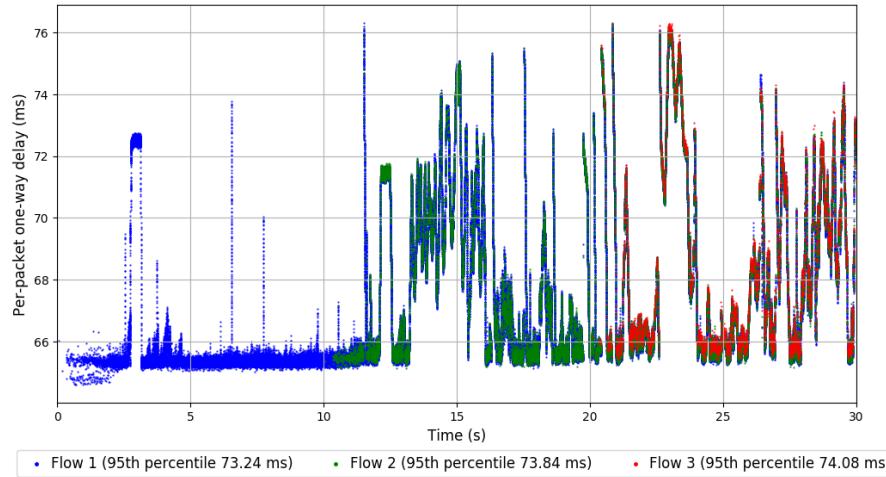
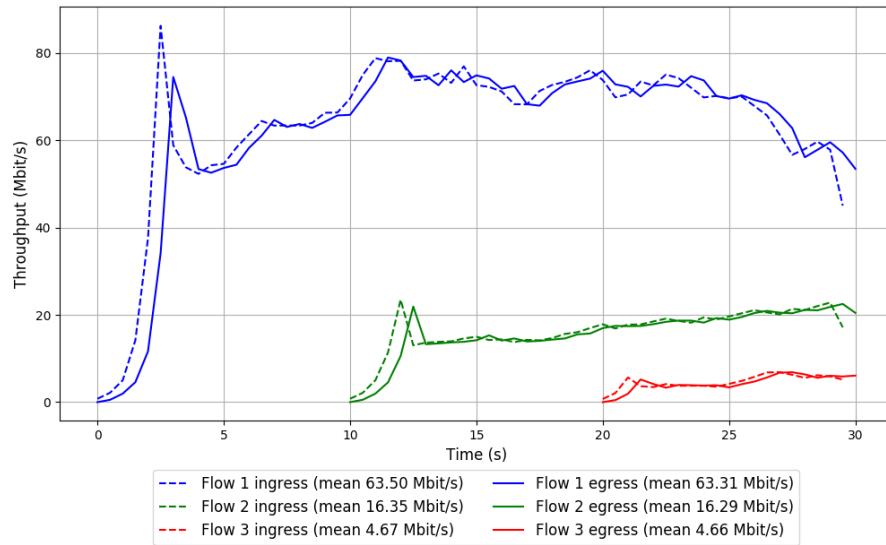


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-05 14:12:02
End at: 2018-06-05 14:12:32
Local clock offset: 4.451 ms
Remote clock offset: -2.043 ms

# Below is generated by plot.py at 2018-06-05 15:25:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.68 Mbit/s
95th percentile per-packet one-way delay: 73.382 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 63.31 Mbit/s
95th percentile per-packet one-way delay: 73.236 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 16.29 Mbit/s
95th percentile per-packet one-way delay: 73.837 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 4.66 Mbit/s
95th percentile per-packet one-way delay: 74.079 ms
Loss rate: 0.16%
```

Run 8: Report of PCC-Vivace — Data Link

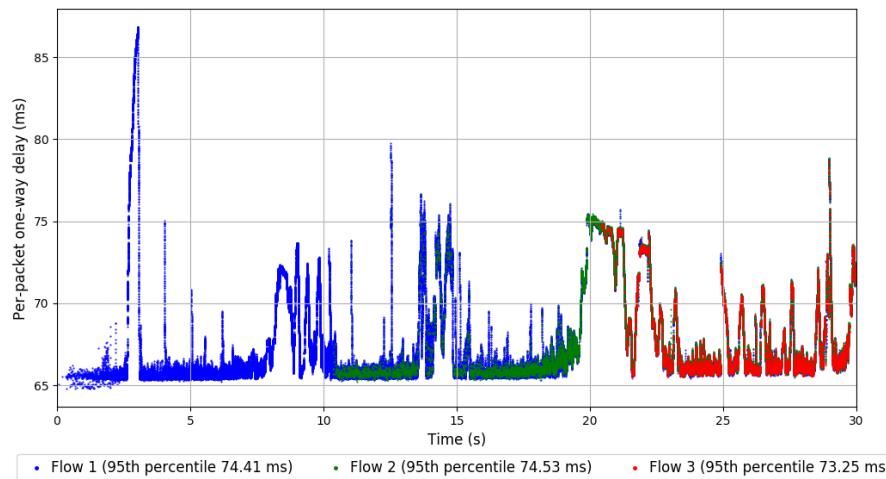
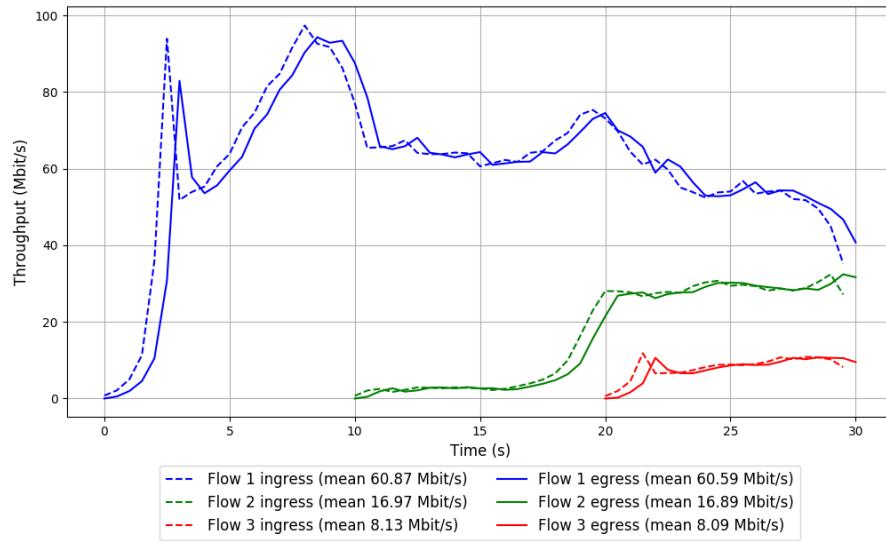


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-05 14:33:59
End at: 2018-06-05 14:34:29
Local clock offset: 6.926 ms
Remote clock offset: -1.885 ms

# Below is generated by plot.py at 2018-06-05 15:25:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.49 Mbit/s
95th percentile per-packet one-way delay: 74.418 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 60.59 Mbit/s
95th percentile per-packet one-way delay: 74.409 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 16.89 Mbit/s
95th percentile per-packet one-way delay: 74.534 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 73.245 ms
Loss rate: 0.55%
```

Run 9: Report of PCC-Vivace — Data Link

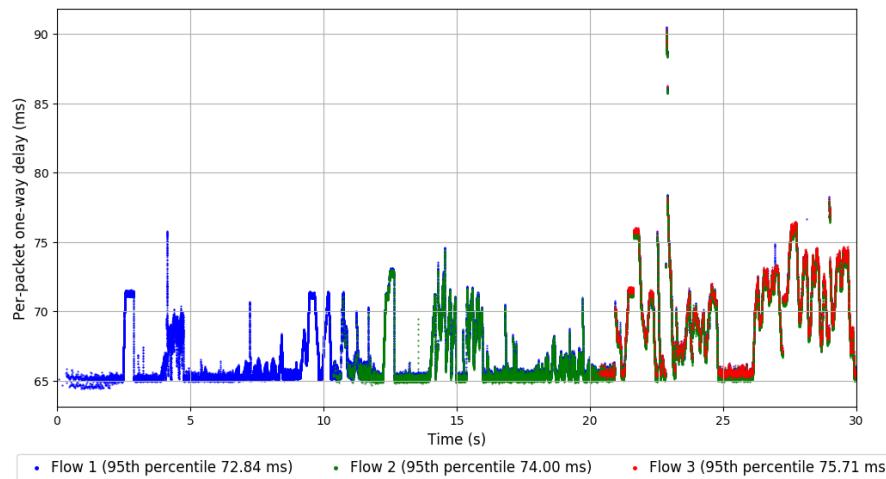
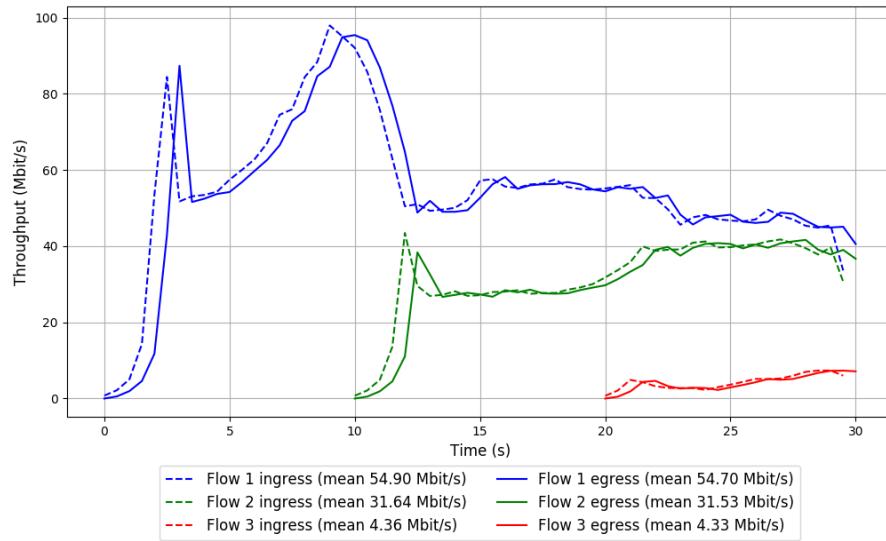


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-05 14:56:02
End at: 2018-06-05 14:56:32
Local clock offset: 5.122 ms
Remote clock offset: -5.347 ms

# Below is generated by plot.py at 2018-06-05 15:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.10 Mbit/s
95th percentile per-packet one-way delay: 73.419 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 54.70 Mbit/s
95th percentile per-packet one-way delay: 72.843 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 74.003 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 75.708 ms
Loss rate: 0.64%
```

Run 10: Report of PCC-Vivace — Data Link

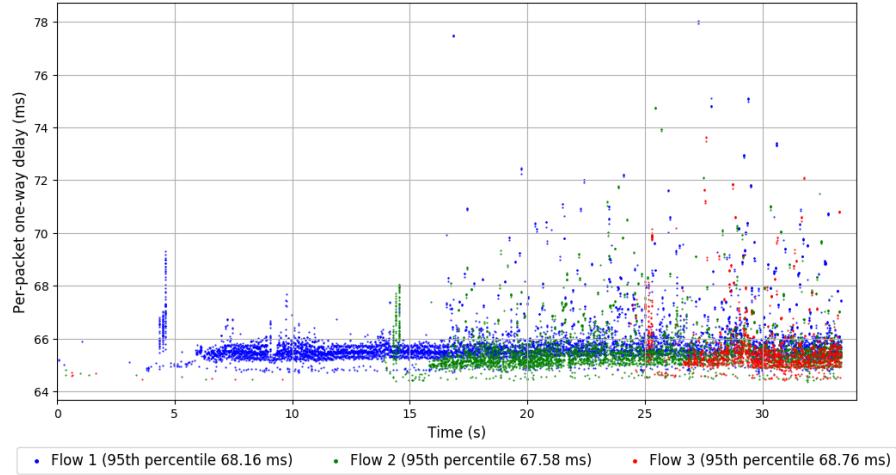
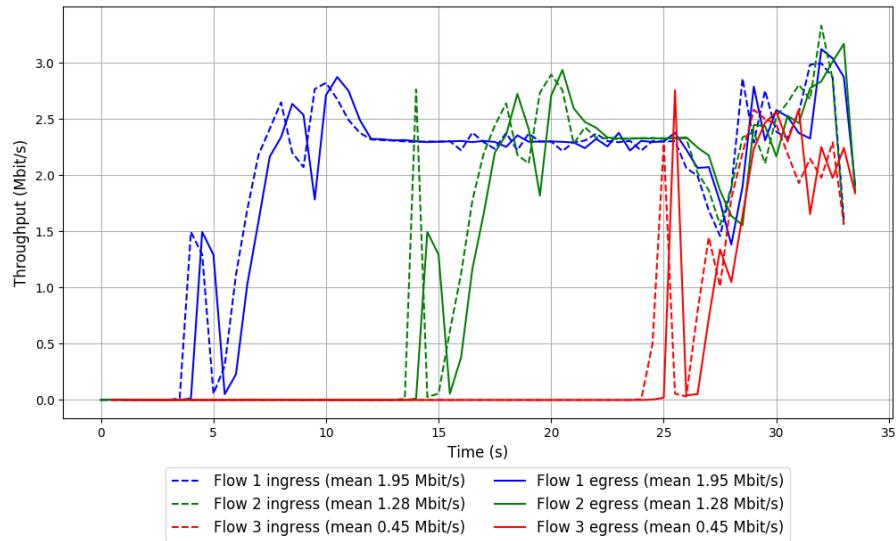


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-05 11:32:33
End at: 2018-06-05 11:33:03
Local clock offset: 7.707 ms
Remote clock offset: -5.674 ms

# Below is generated by plot.py at 2018-06-05 15:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 67.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 68.155 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 67.577 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 68.758 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

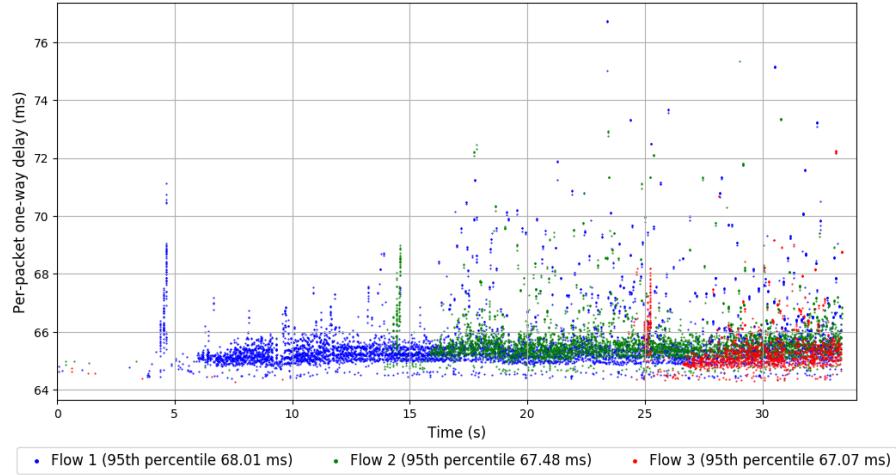
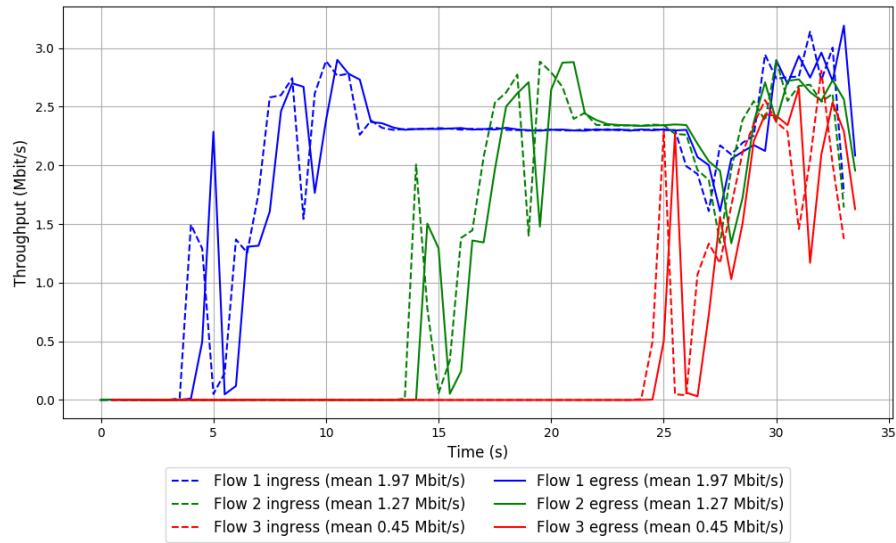


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-05 11:55:44
End at: 2018-06-05 11:56:14
Local clock offset: 7.689 ms
Remote clock offset: -4.758 ms

# Below is generated by plot.py at 2018-06-05 15:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 67.744 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 68.007 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 67.481 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 67.068 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

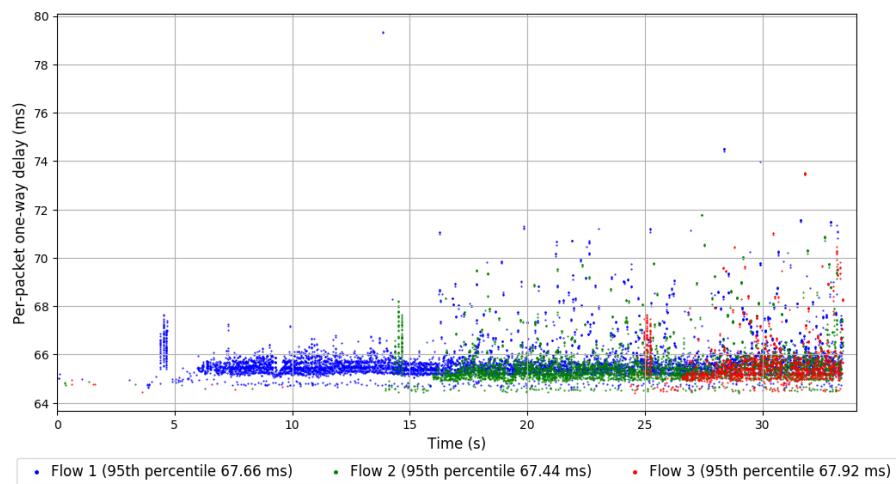
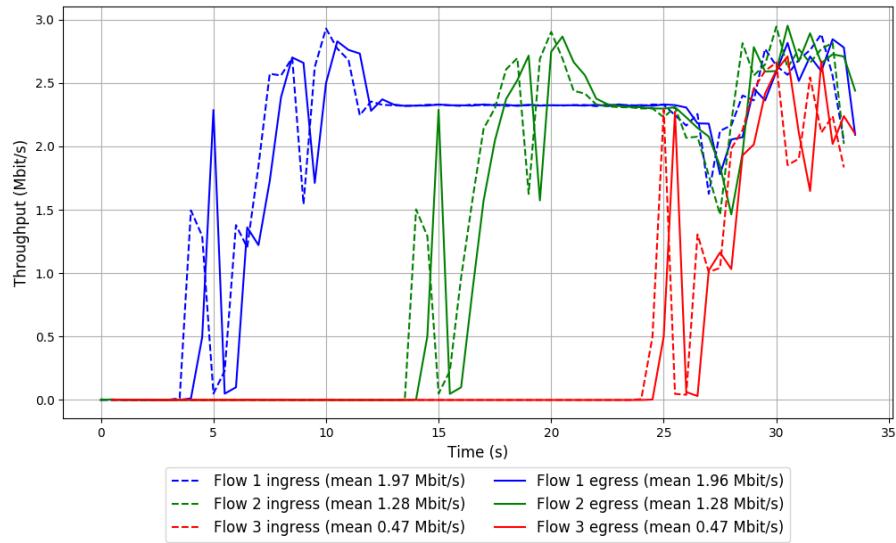


```
Run 3: Statistics of WebRTC media

Start at: 2018-06-05 12:17:49
End at: 2018-06-05 12:18:19
Local clock offset: 6.393 ms
Remote clock offset: -4.717 ms

# Below is generated by plot.py at 2018-06-05 15:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 67.614 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 67.661 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 67.443 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 67.915 ms
Loss rate: 0.00%
```

### Run 3: Report of WebRTC media — Data Link

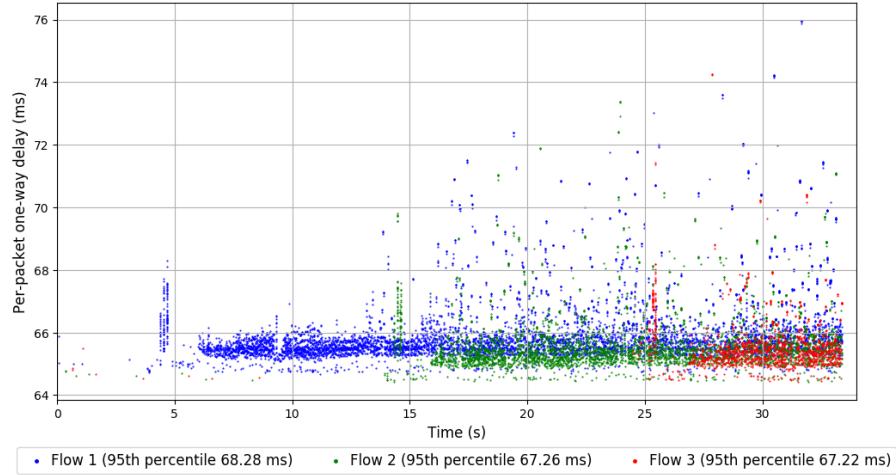
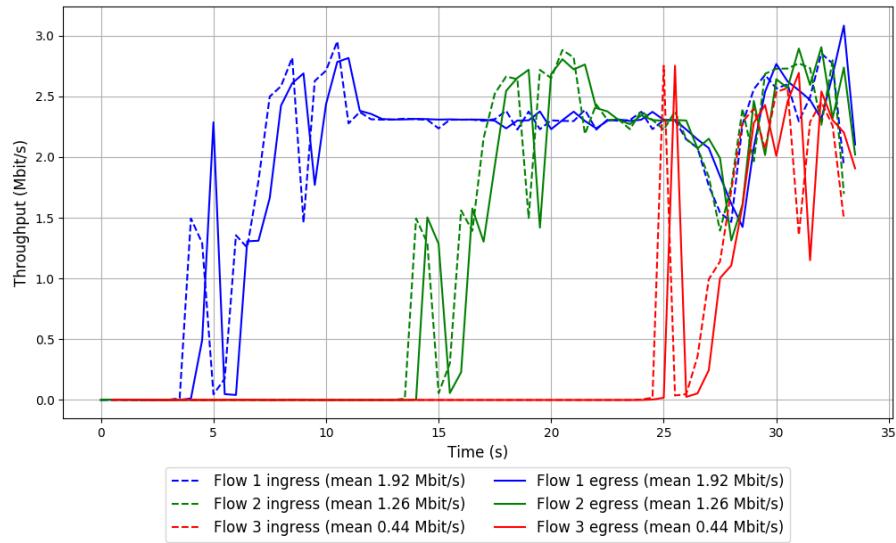


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-05 12:40:13
End at: 2018-06-05 12:40:43
Local clock offset: 5.31 ms
Remote clock offset: -5.579 ms

# Below is generated by plot.py at 2018-06-05 15:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 67.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 68.285 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 67.263 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 67.223 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

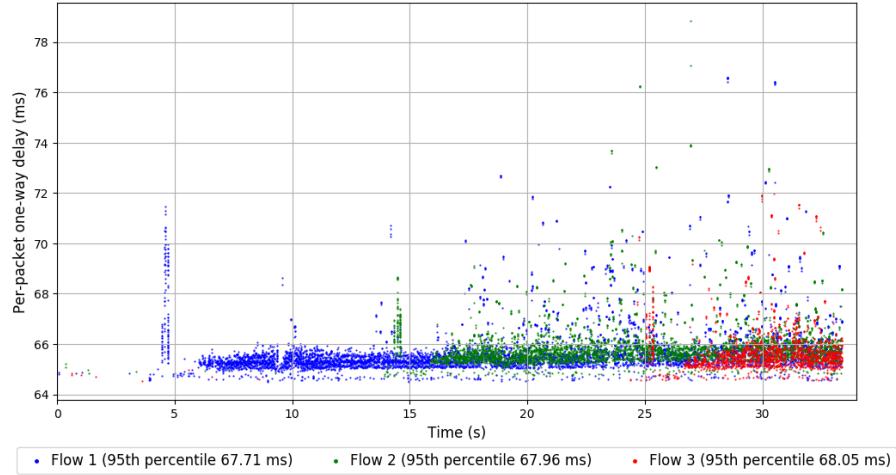
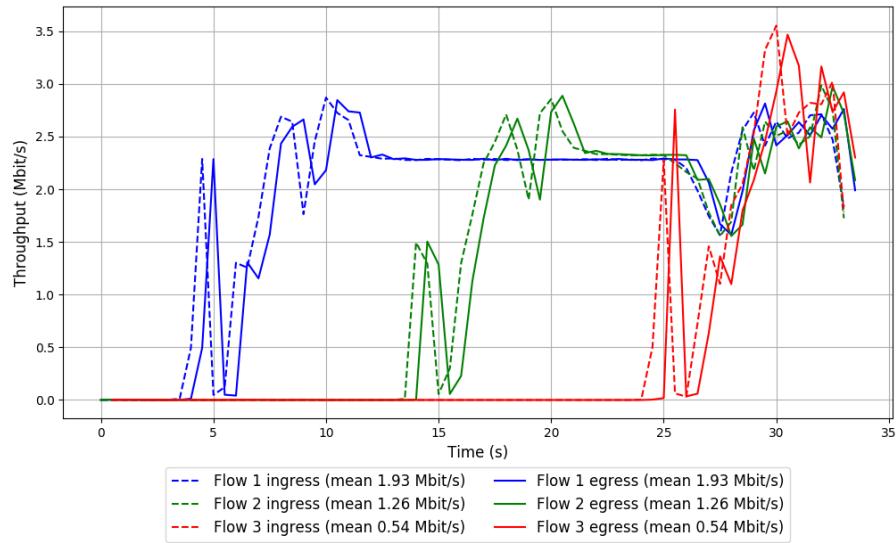


```
Run 5: Statistics of WebRTC media

Start at: 2018-06-05 13:02:31
End at: 2018-06-05 13:03:01
Local clock offset: 5.31 ms
Remote clock offset: -5.542 ms

# Below is generated by plot.py at 2018-06-05 15:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.71 Mbit/s
95th percentile per-packet one-way delay: 67.810 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 67.707 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 67.956 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 68.049 ms
Loss rate: 0.16%
```

### Run 5: Report of WebRTC media — Data Link

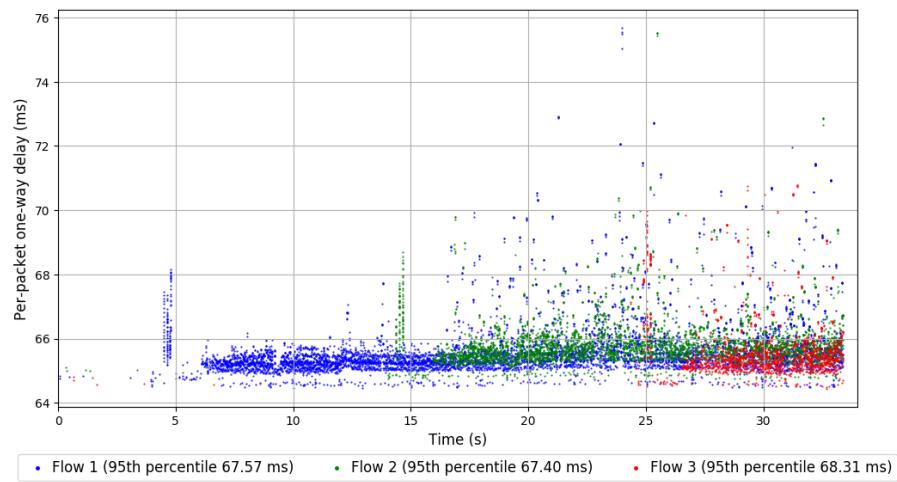
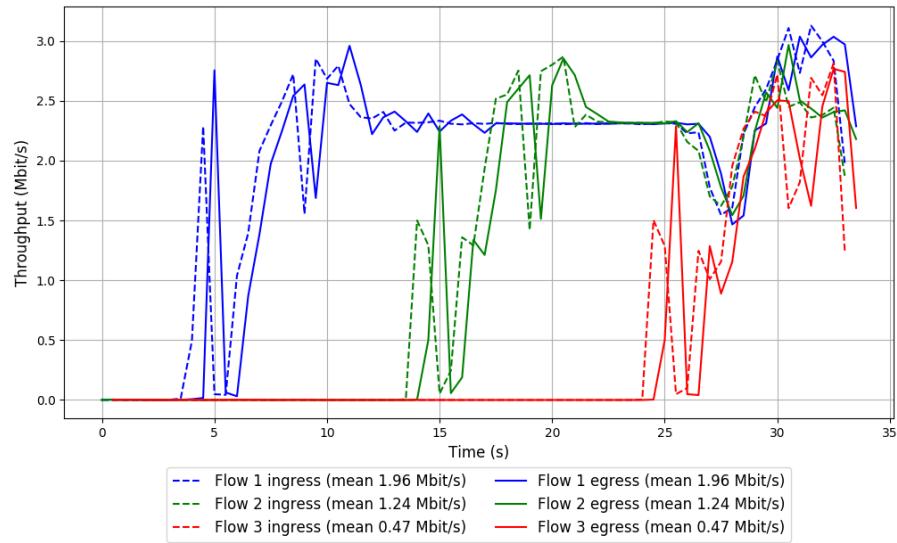


```
Run 6: Statistics of WebRTC media

Start at: 2018-06-05 13:24:35
End at: 2018-06-05 13:25:05
Local clock offset: 4.263 ms
Remote clock offset: -5.866 ms

# Below is generated by plot.py at 2018-06-05 15:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.65 Mbit/s
95th percentile per-packet one-way delay: 67.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 67.571 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 67.399 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 68.310 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

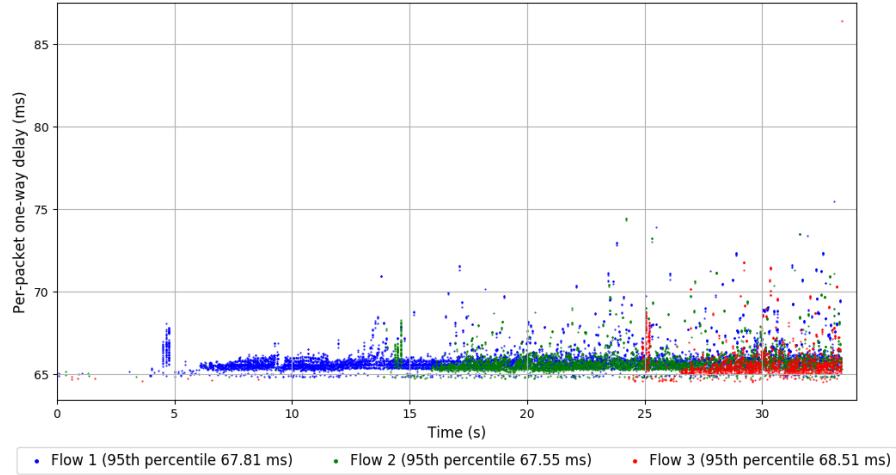
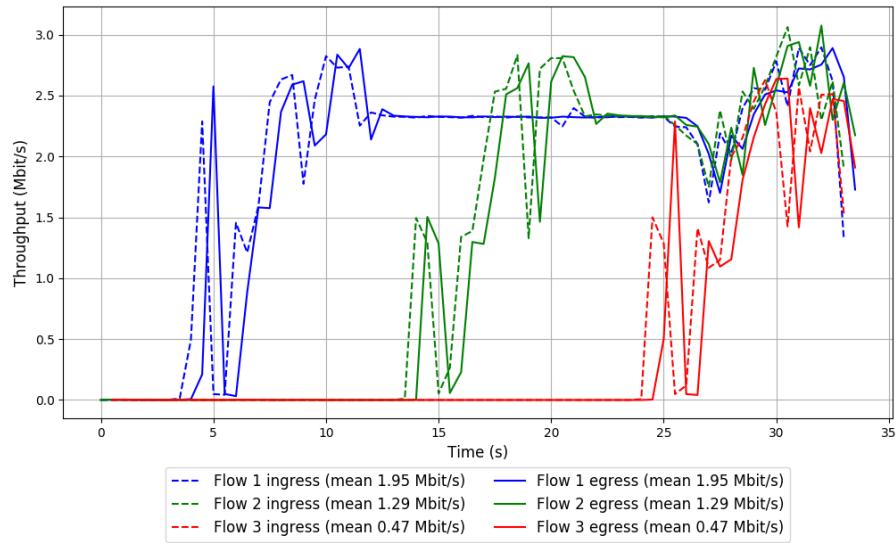


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-05 13:47:21
End at: 2018-06-05 13:47:51
Local clock offset: 4.082 ms
Remote clock offset: -5.738 ms

# Below is generated by plot.py at 2018-06-05 15:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 67.756 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 67.812 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 67.550 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 68.506 ms
Loss rate: 0.00%
```

### Run 7: Report of WebRTC media — Data Link

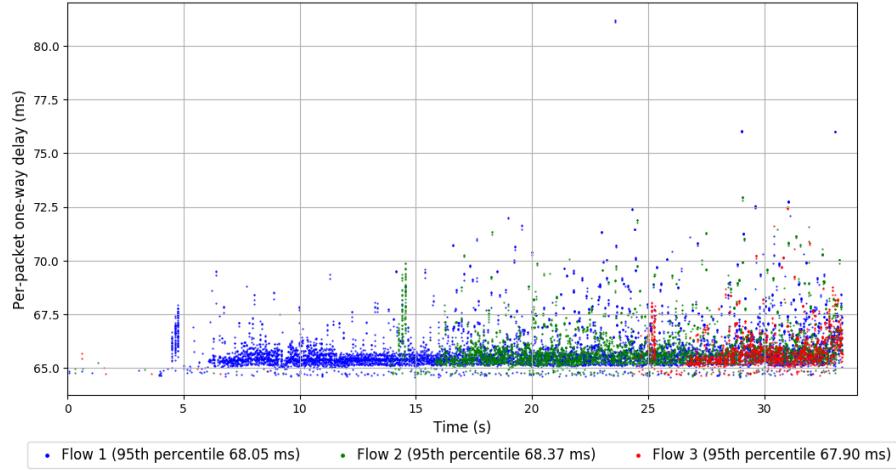
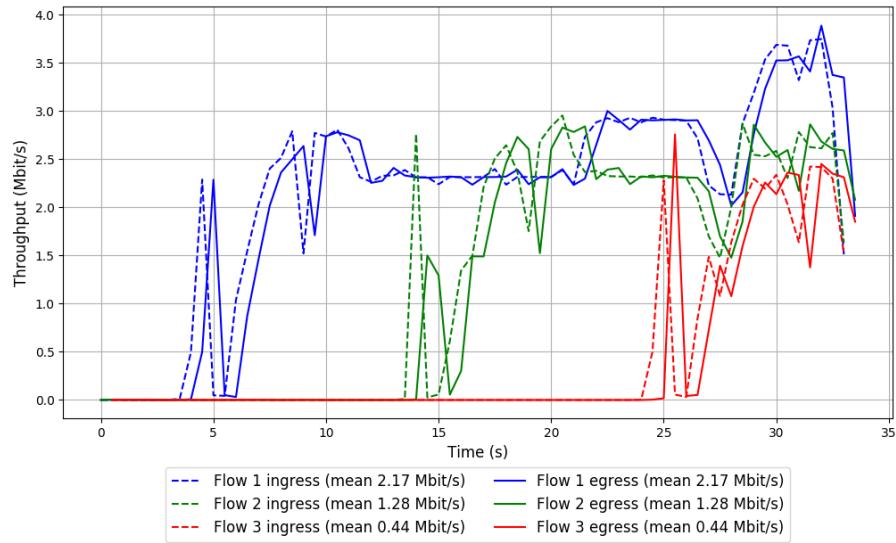


Run 8: Statistics of WebRTC media

```
Start at: 2018-06-05 14:09:17
End at: 2018-06-05 14:09:47
Local clock offset: 4.04 ms
Remote clock offset: -2.462 ms

# Below is generated by plot.py at 2018-06-05 15:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 68.114 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 68.051 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 68.371 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 67.898 ms
Loss rate: 0.00%
```

### Run 8: Report of WebRTC media — Data Link

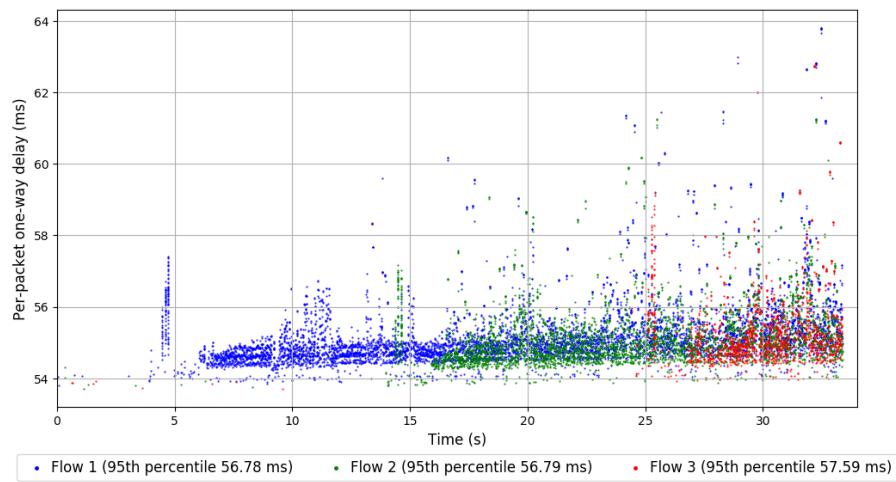
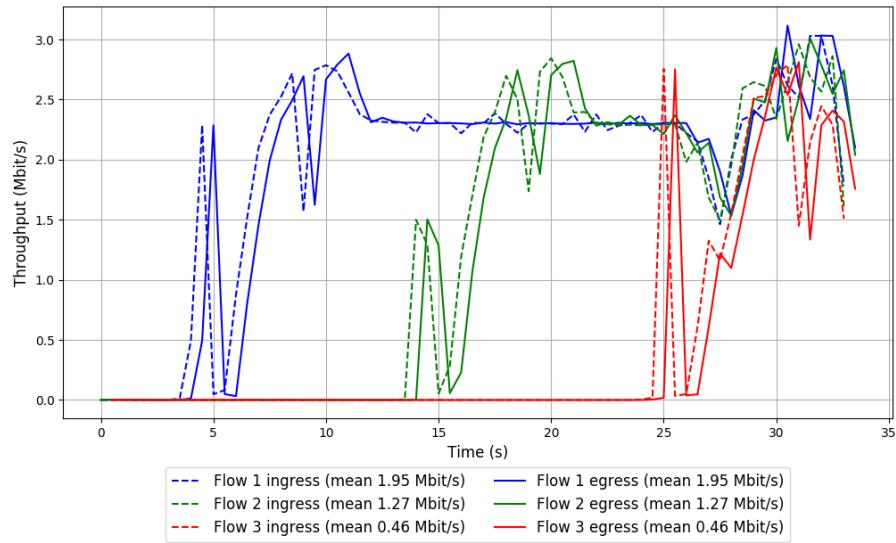


```
Run 9: Statistics of WebRTC media

Start at: 2018-06-05 14:31:13
End at: 2018-06-05 14:31:43
Local clock offset: 6.687 ms
Remote clock offset: -11.493 ms

# Below is generated by plot.py at 2018-06-05 15:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.65 Mbit/s
95th percentile per-packet one-way delay: 56.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 56.782 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 56.789 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 57.588 ms
Loss rate: 0.00%
```

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



Run 10: Statistics of WebRTC media

```
Start at: 2018-06-05 14:53:16
End at: 2018-06-05 14:53:46
Local clock offset: 5.353 ms
Remote clock offset: -5.291 ms

# Below is generated by plot.py at 2018-06-05 15:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.68 Mbit/s
95th percentile per-packet one-way delay: 66.949 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 66.824 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 67.144 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 67.001 ms
Loss rate: 0.00%
```

### Run 10: Report of WebRTC media — Data Link

