

Pantheon Report

Generated at 2018-05-22 19:23:06 (UTC).

Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).

Repeated the test of 16 congestion control schemes 10 times.

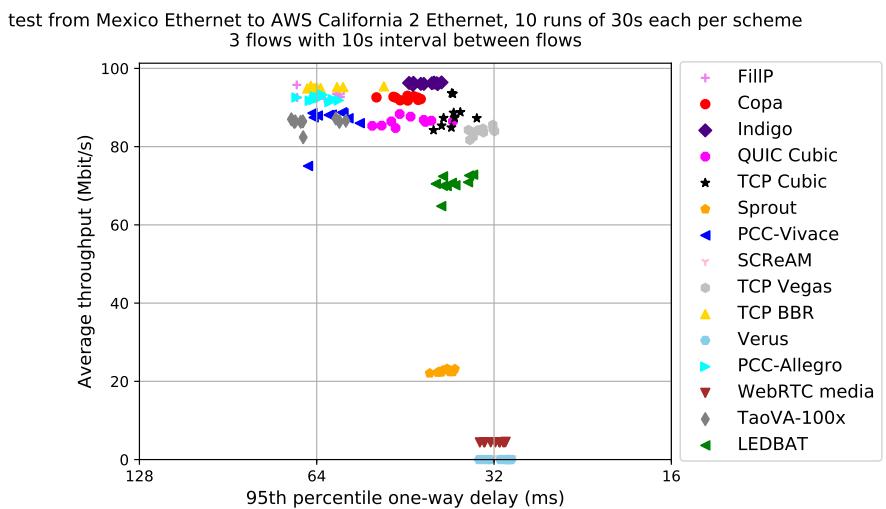
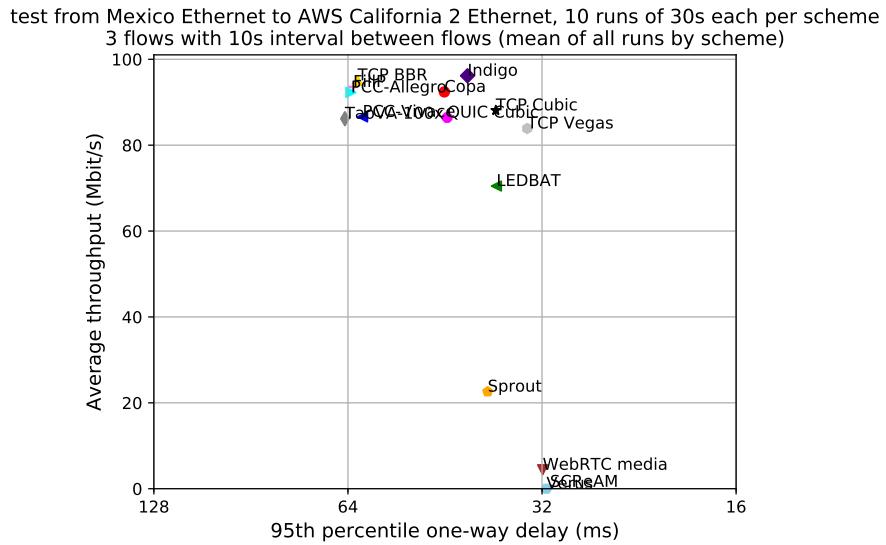
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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

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

Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



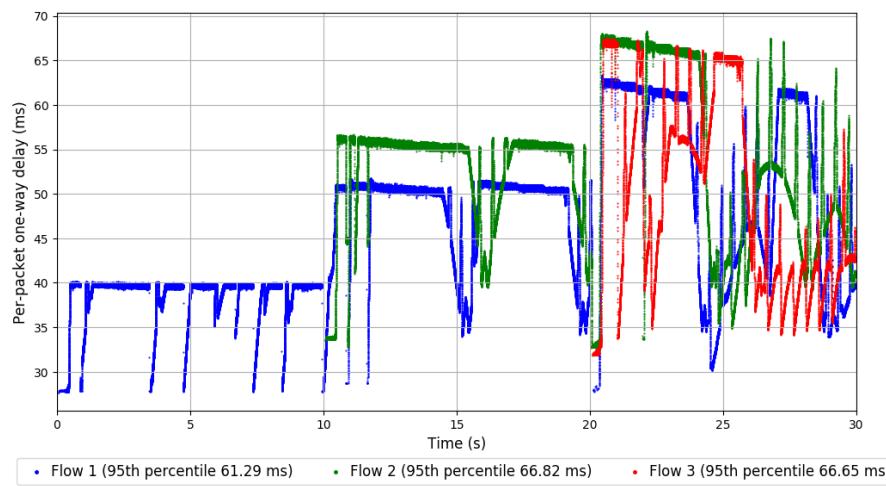
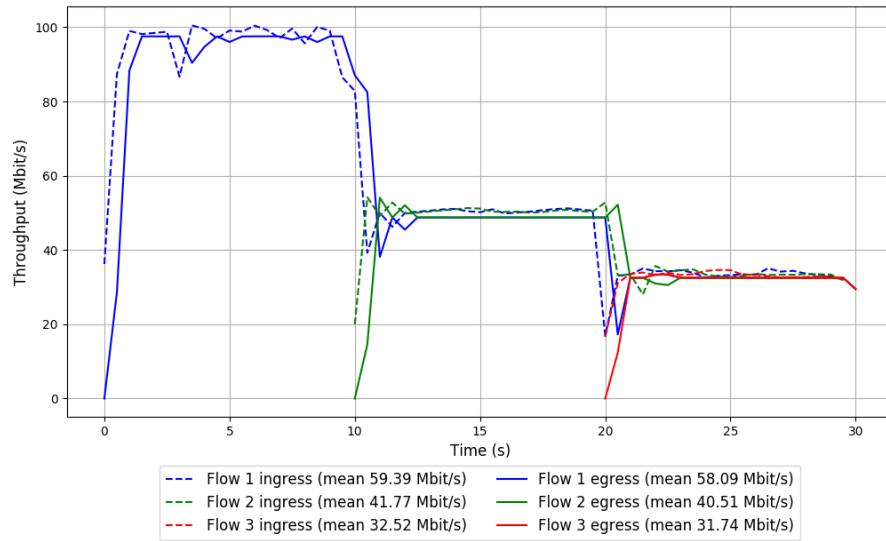
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	57.70	40.76	31.05	57.06	62.50	66.57	2.06	3.26	3.03
Copa		57.50	37.14	30.73	40.48	47.97	50.82	0.13	0.28	0.71
TCP Cubic		51.61	39.42	30.97	36.95	37.13	38.33	0.12	0.29	0.65
FillP		58.06	40.38	26.21	56.32	58.29	64.86	1.60	3.45	4.62
Indigo		59.12	38.29	35.48	41.46	43.94	39.03	0.18	0.33	0.67
LEDBAT		41.07	33.29	21.94	37.21	37.57	39.61	0.18	0.30	0.70
PCC-Allegro		58.65	36.41	28.69	57.44	63.19	58.65	4.82	3.56	1.69
PCC-Expr		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
QUIC Cubic		50.84	38.82	29.71	41.27	47.03	64.94	0.15	0.33	0.82
SCReAM		0.22	0.22	0.22	29.10	29.04	30.37	0.14	0.38	0.71
Sprout		11.41	11.38	11.06	38.39	38.37	38.89	0.21	0.28	0.59
TaoVA-100x		48.80	41.76	29.30	62.16	55.81	62.50	0.70	1.16	2.70
TCP Vegas		49.73	34.58	33.64	33.30	31.39	35.28	0.15	0.23	0.66
Verus		0.00	0.00	0.00	29.44	30.06	30.12	0.00	0.00	0.00
PCC-Vivace		55.57	33.52	26.56	56.64	62.93	54.82	2.61	1.14	1.01
WebRTC media		2.31	1.48	0.64	30.74	29.46	30.80	0.20	0.33	0.41

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-22 15:49:26
End at: 2018-05-22 15:49:56
Local clock offset: 1.375 ms
Remote clock offset: -2.826 ms

# Below is generated by plot.py at 2018-05-22 19:06:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 65.495 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 58.09 Mbit/s
95th percentile per-packet one-way delay: 61.289 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 66.821 ms
Loss rate: 3.32%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 66.648 ms
Loss rate: 2.99%
```

Run 1: Report of TCP BBR — Data Link

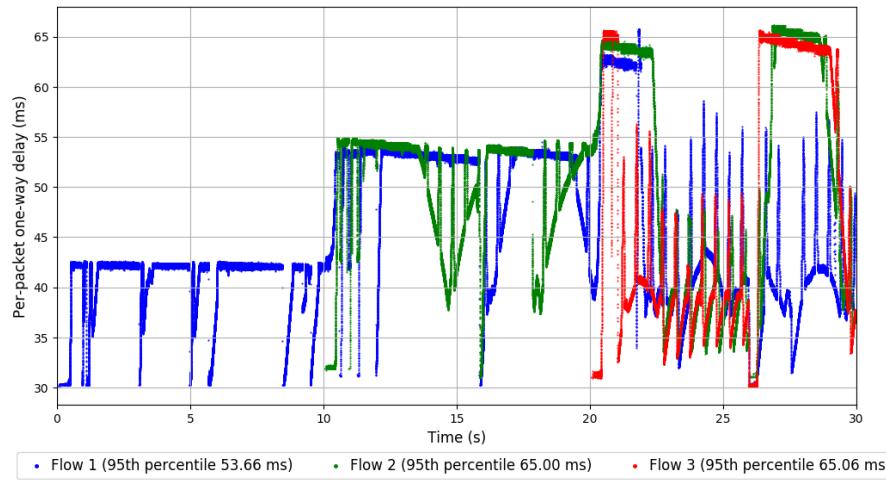
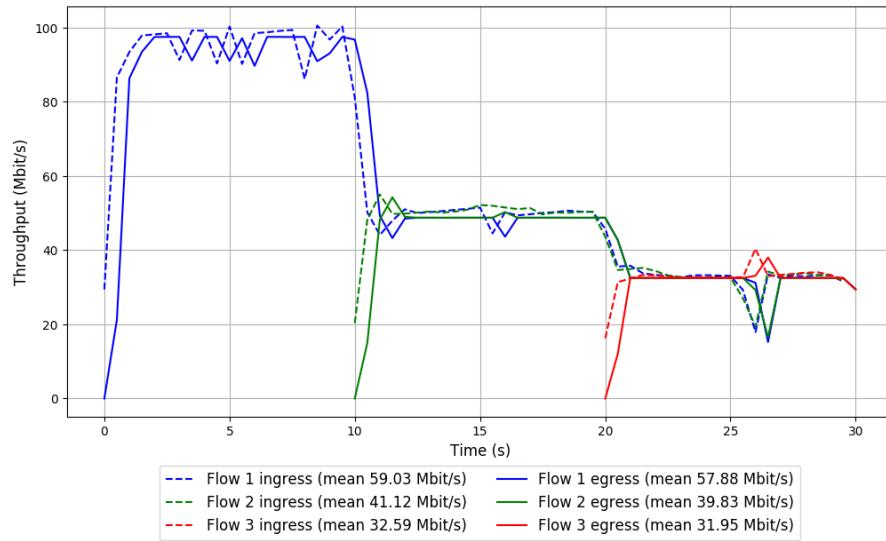


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-22 16:10:43
End at: 2018-05-22 16:11:13
Local clock offset: 1.047 ms
Remote clock offset: 0.2 ms

# Below is generated by plot.py at 2018-05-22 19:06:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 64.173 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 57.88 Mbit/s
95th percentile per-packet one-way delay: 53.661 ms
Loss rate: 2.14%
-- Flow 2:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 65.003 ms
Loss rate: 3.43%
-- Flow 3:
Average throughput: 31.95 Mbit/s
95th percentile per-packet one-way delay: 65.062 ms
Loss rate: 2.58%
```

Run 2: Report of TCP BBR — Data Link

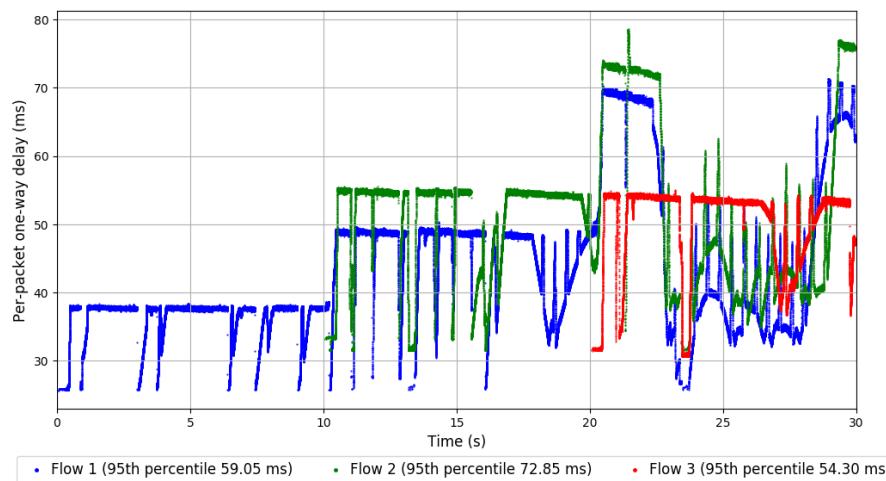
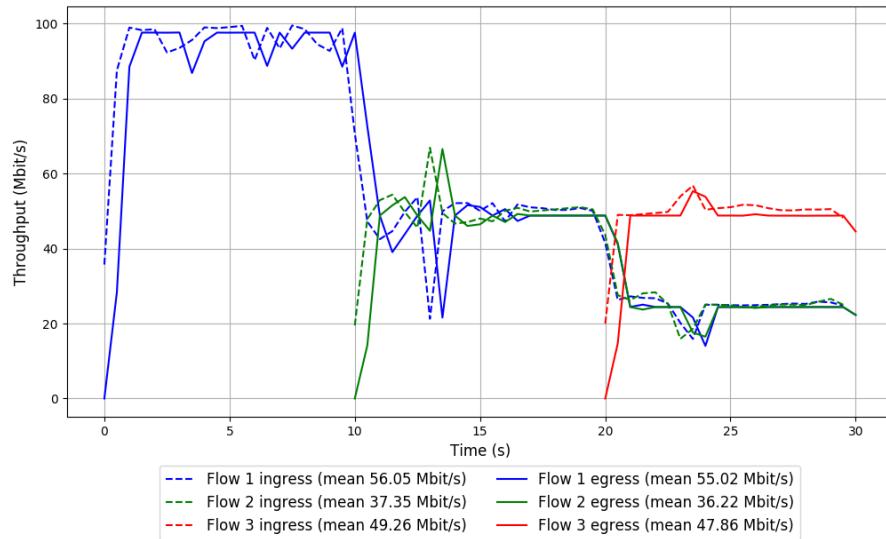


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-22 16:32:06
End at: 2018-05-22 16:32:36
Local clock offset: 1.04 ms
Remote clock offset: 0.494 ms

# Below is generated by plot.py at 2018-05-22 19:06:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 63.927 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 55.02 Mbit/s
95th percentile per-packet one-way delay: 59.046 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 36.22 Mbit/s
95th percentile per-packet one-way delay: 72.853 ms
Loss rate: 3.35%
-- Flow 3:
Average throughput: 47.86 Mbit/s
95th percentile per-packet one-way delay: 54.305 ms
Loss rate: 3.45%
```

Run 3: Report of TCP BBR — Data Link

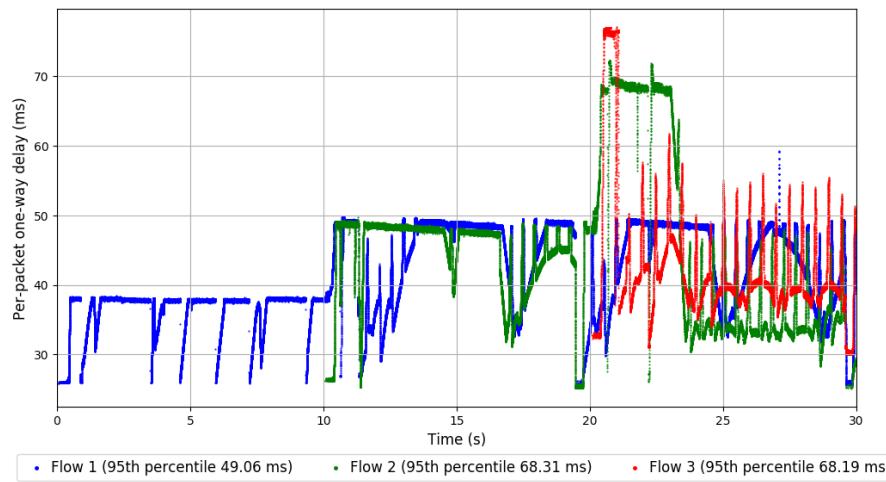
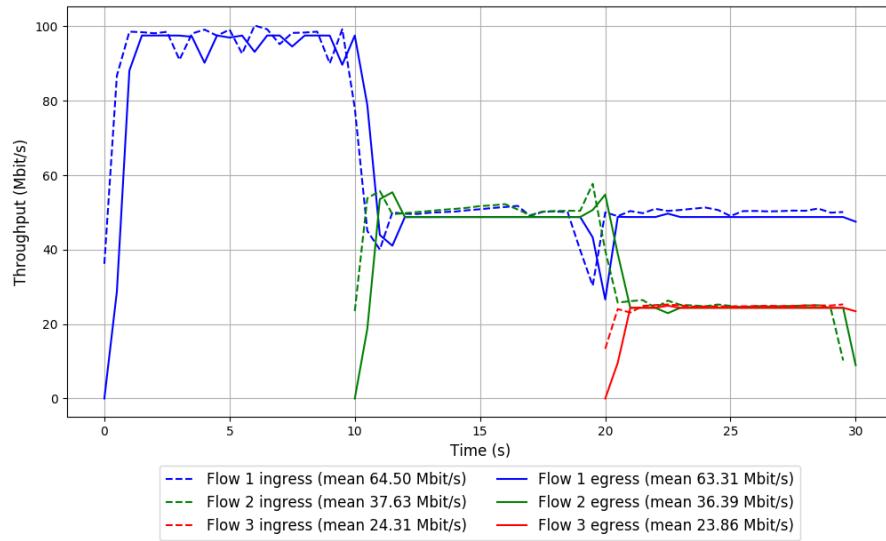


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-22 16:53:27
End at: 2018-05-22 16:53:57
Local clock offset: 1.231 ms
Remote clock offset: 1.436 ms

# Below is generated by plot.py at 2018-05-22 19:06:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.42 Mbit/s
95th percentile per-packet one-way delay: 49.222 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 63.31 Mbit/s
95th percentile per-packet one-way delay: 49.065 ms
Loss rate: 2.03%
-- Flow 2:
Average throughput: 36.39 Mbit/s
95th percentile per-packet one-way delay: 68.305 ms
Loss rate: 3.55%
-- Flow 3:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 68.189 ms
Loss rate: 2.46%
```

Run 4: Report of TCP BBR — Data Link

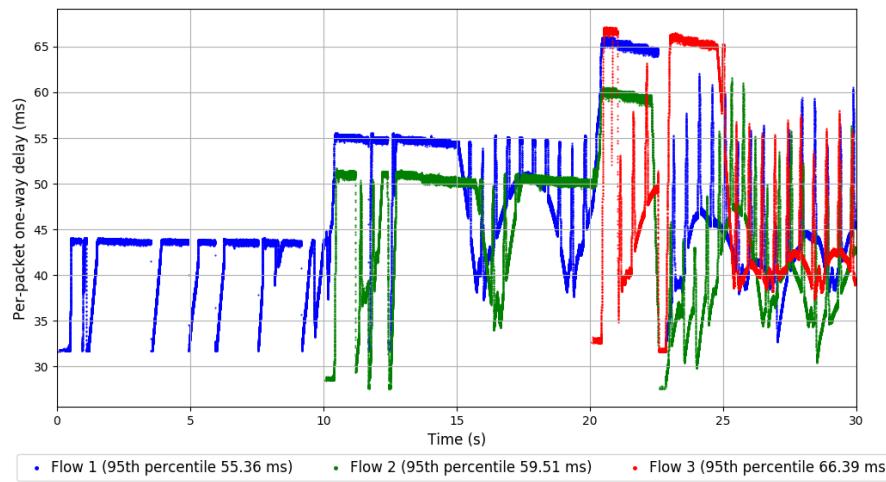
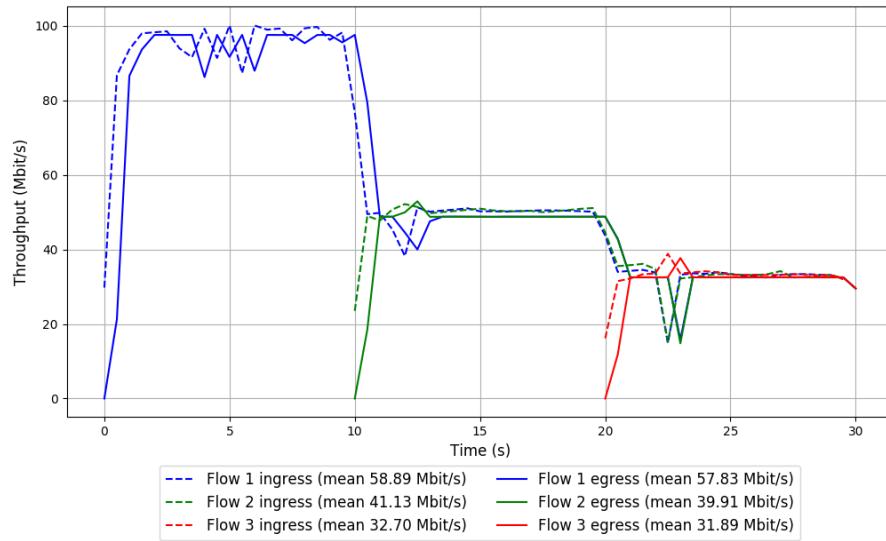


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-22 17:14:58
End at: 2018-05-22 17:15:29
Local clock offset: 1.05 ms
Remote clock offset: -9.945 ms

# Below is generated by plot.py at 2018-05-22 19:06:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 64.444 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 57.83 Mbit/s
95th percentile per-packet one-way delay: 55.360 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 59.508 ms
Loss rate: 3.25%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 66.385 ms
Loss rate: 3.06%
```

Run 5: Report of TCP BBR — Data Link

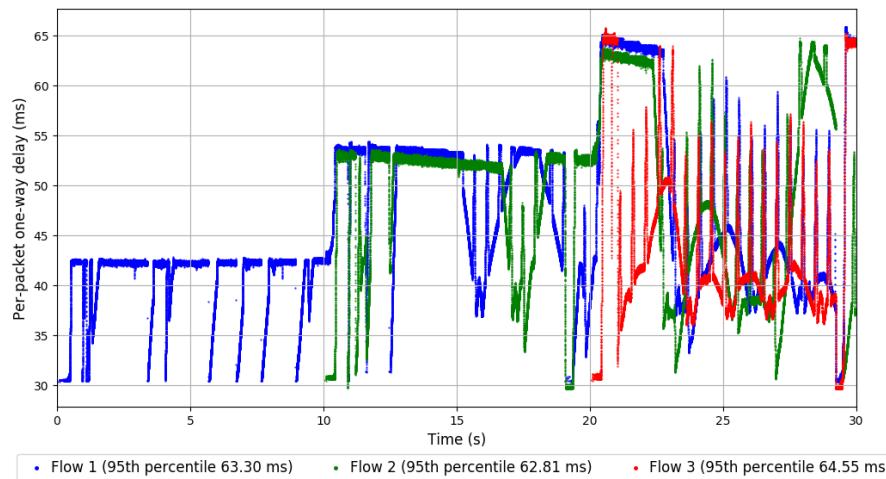
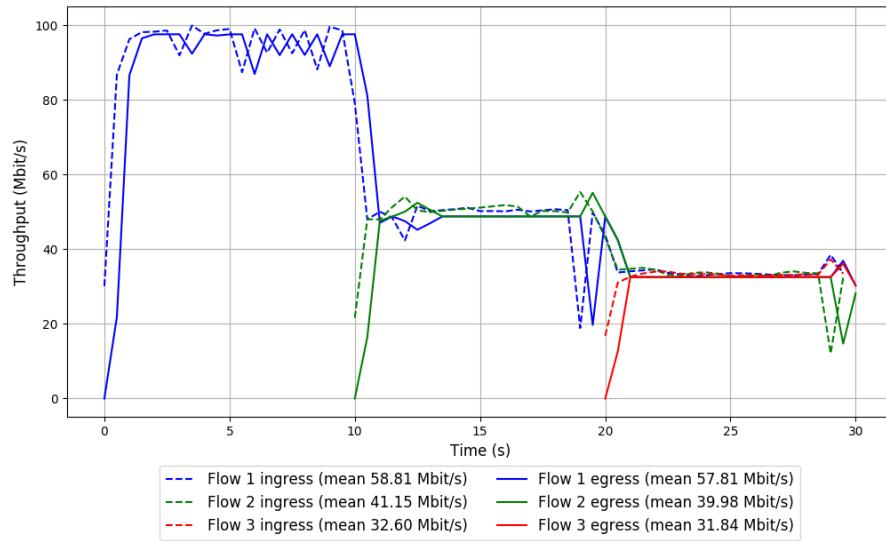


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-22 17:36:16
End at: 2018-05-22 17:36:46
Local clock offset: 1.388 ms
Remote clock offset: -11.362 ms

# Below is generated by plot.py at 2018-05-22 19:06:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 63.050 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 57.81 Mbit/s
95th percentile per-packet one-way delay: 63.296 ms
Loss rate: 1.94%
-- Flow 2:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 62.811 ms
Loss rate: 3.13%
-- Flow 3:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 64.554 ms
Loss rate: 2.92%
```

Run 6: Report of TCP BBR — Data Link

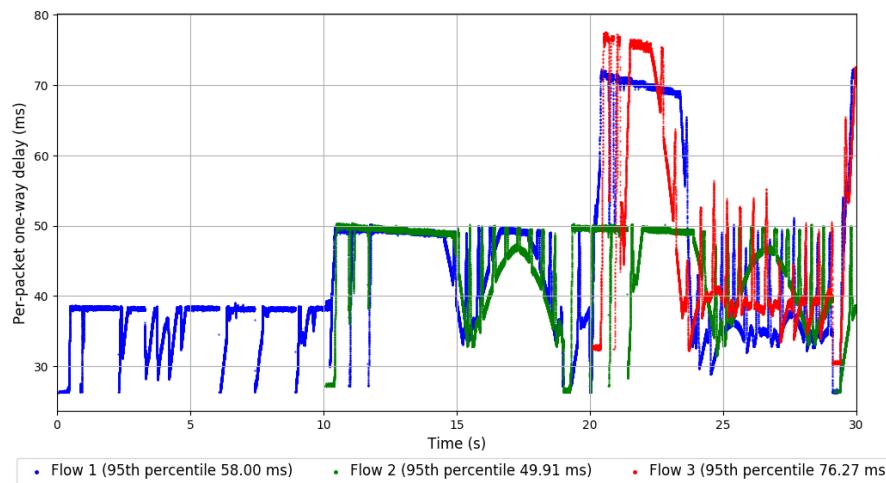
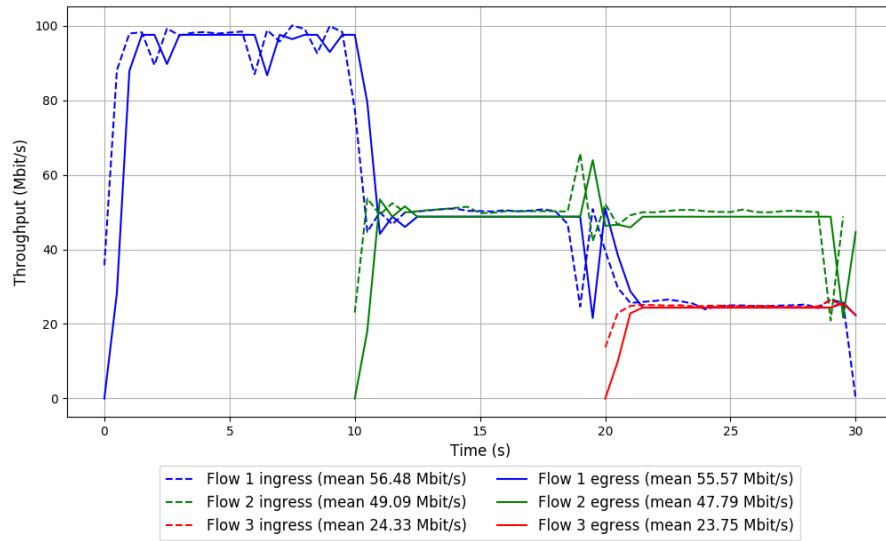


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-22 17:57:44
End at: 2018-05-22 17:58:14
Local clock offset: 1.35 ms
Remote clock offset: -14.261 ms

# Below is generated by plot.py at 2018-05-22 19:06:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 57.737 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 55.57 Mbit/s
95th percentile per-packet one-way delay: 57.999 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 47.79 Mbit/s
95th percentile per-packet one-way delay: 49.911 ms
Loss rate: 2.95%
-- Flow 3:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 76.270 ms
Loss rate: 3.01%
```

Run 7: Report of TCP BBR — Data Link

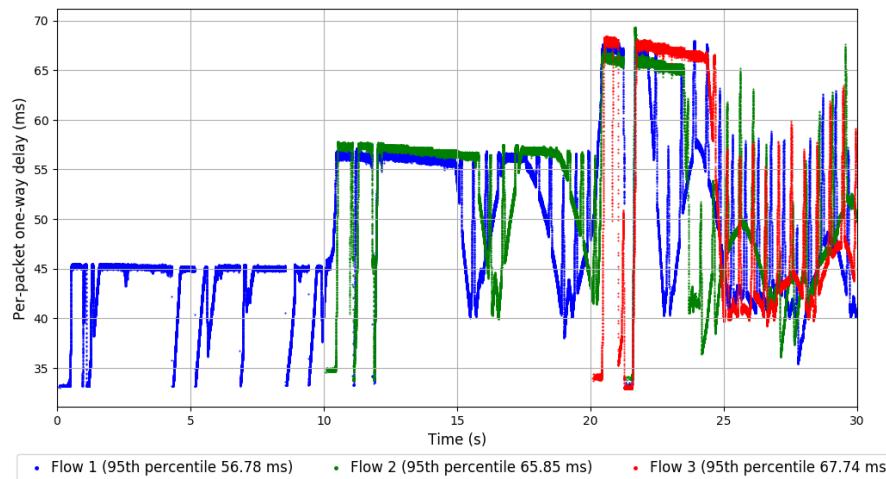
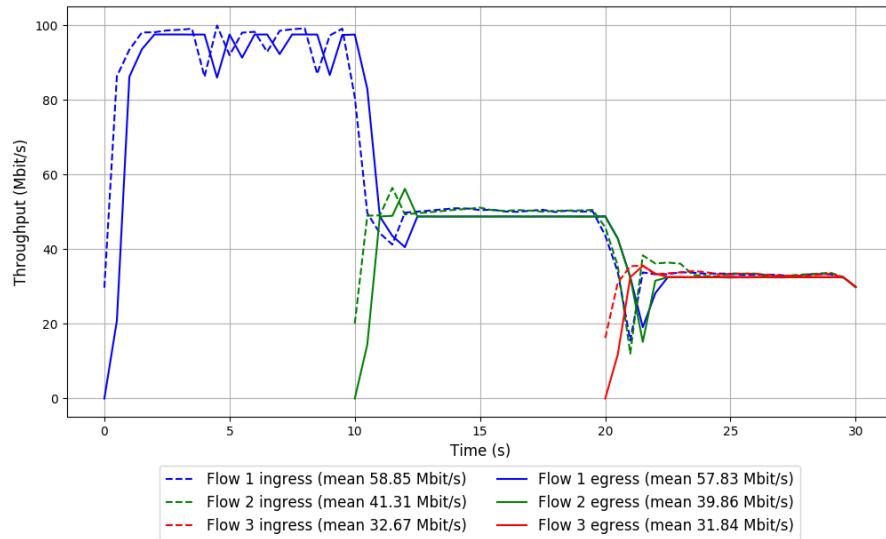


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-22 18:19:08
End at: 2018-05-22 18:19:38
Local clock offset: 1.433 ms
Remote clock offset: -2.158 ms

# Below is generated by plot.py at 2018-05-22 19:06:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 66.409 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 57.83 Mbit/s
95th percentile per-packet one-way delay: 56.784 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 39.86 Mbit/s
95th percentile per-packet one-way delay: 65.850 ms
Loss rate: 3.79%
-- Flow 3:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 67.742 ms
Loss rate: 3.13%
```

Run 8: Report of TCP BBR — Data Link

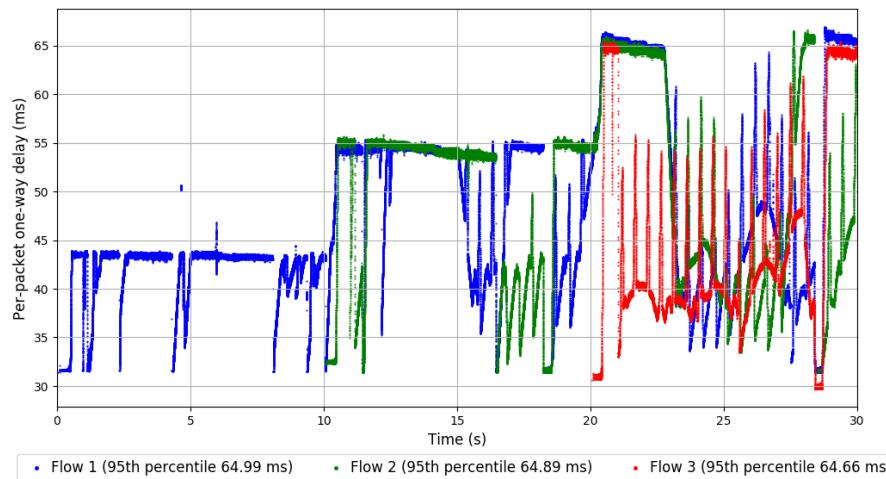
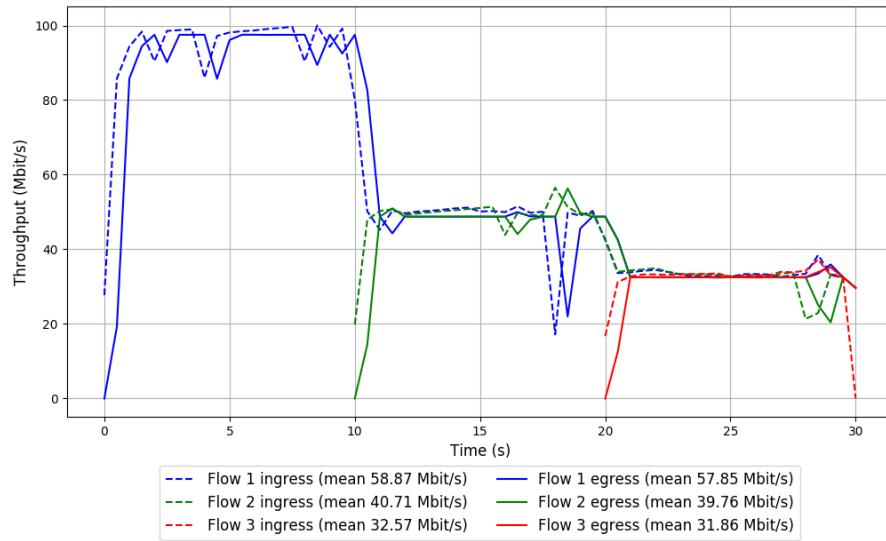


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-22 18:40:42
End at: 2018-05-22 18:41:12
Local clock offset: 0.854 ms
Remote clock offset: 2.903 ms

# Below is generated by plot.py at 2018-05-22 19:07:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 64.871 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 57.85 Mbit/s
95th percentile per-packet one-way delay: 64.991 ms
Loss rate: 1.95%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 64.893 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 64.660 ms
Loss rate: 2.92%
```

Run 9: Report of TCP BBR — Data Link

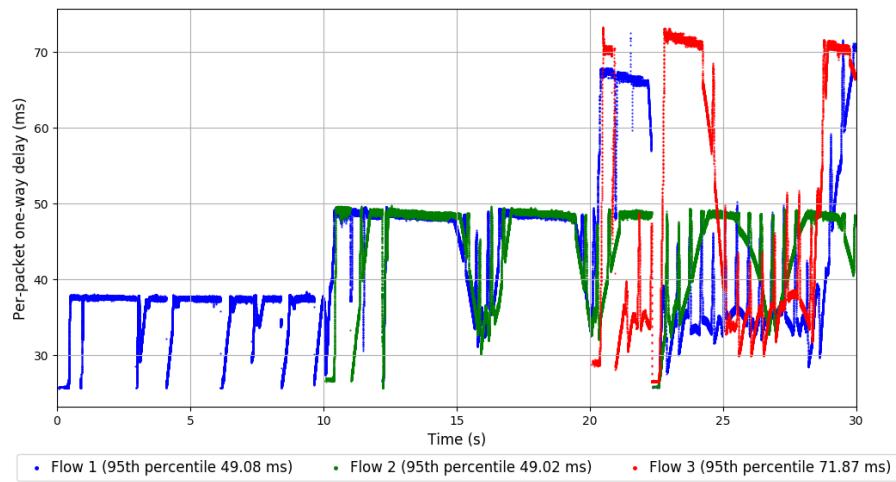
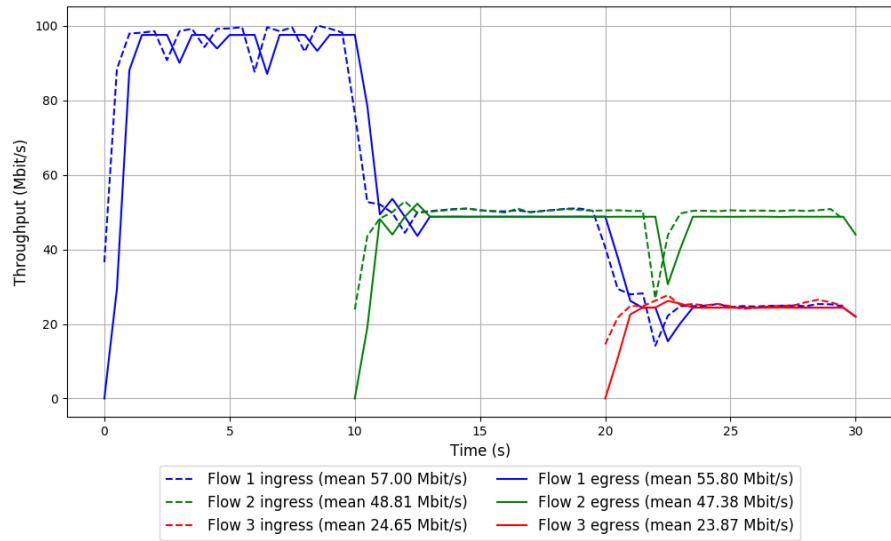


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-22 19:02:02
End at: 2018-05-22 19:02:32
Local clock offset: 0.645 ms
Remote clock offset: 1.422 ms

# Below is generated by plot.py at 2018-05-22 19:07:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 59.121 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 49.076 ms
Loss rate: 2.34%
-- Flow 2:
Average throughput: 47.38 Mbit/s
95th percentile per-packet one-way delay: 49.019 ms
Loss rate: 3.21%
-- Flow 3:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 71.867 ms
Loss rate: 3.74%
```

Run 10: Report of TCP BBR — Data Link

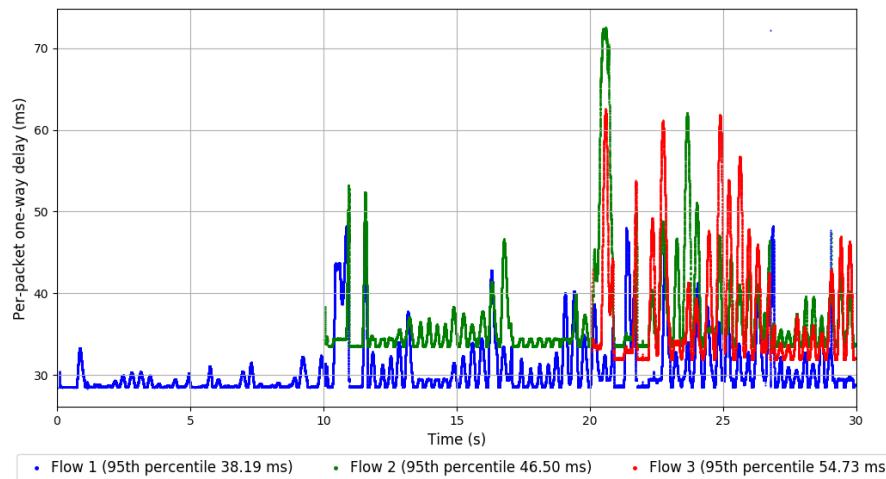
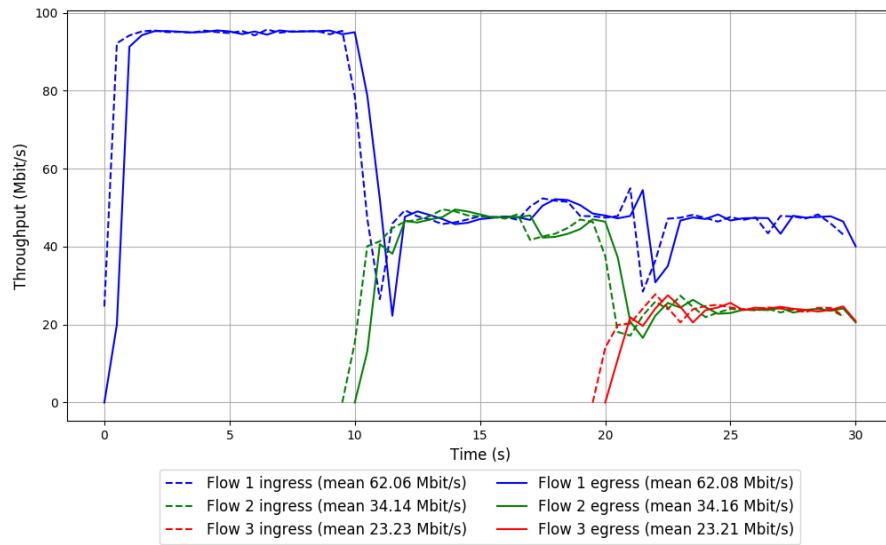


Run 1: Statistics of Copa

```
Start at: 2018-05-22 15:46:42
End at: 2018-05-22 15:47:12
Local clock offset: 1.345 ms
Remote clock offset: -2.902 ms

# Below is generated by plot.py at 2018-05-22 19:08:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.53 Mbit/s
95th percentile per-packet one-way delay: 43.125 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 62.08 Mbit/s
95th percentile per-packet one-way delay: 38.190 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 34.16 Mbit/s
95th percentile per-packet one-way delay: 46.500 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 23.21 Mbit/s
95th percentile per-packet one-way delay: 54.735 ms
Loss rate: 0.68%
```

Run 1: Report of Copa — Data Link

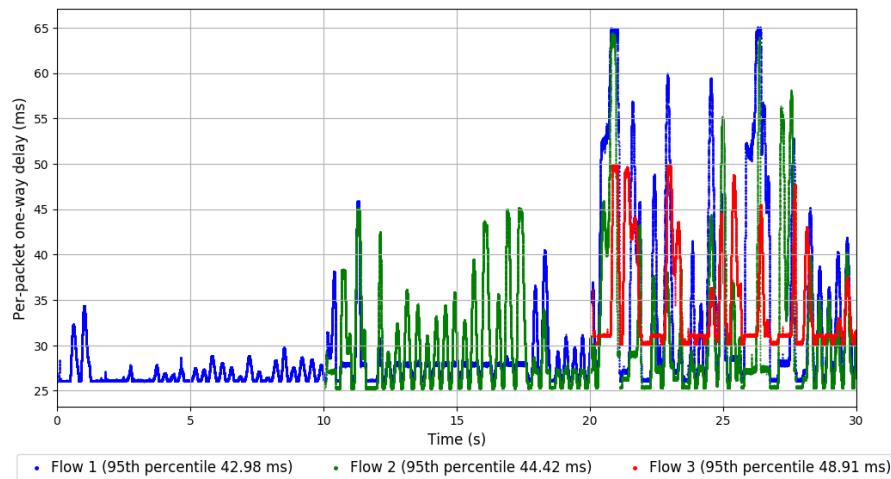
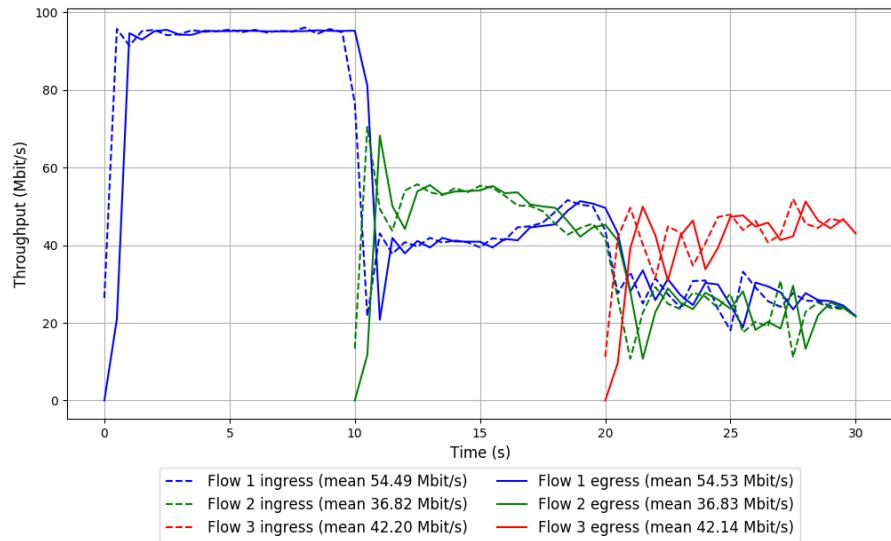


Run 2: Statistics of Copa

```
Start at: 2018-05-22 16:07:58
End at: 2018-05-22 16:08:28
Local clock offset: 1.119 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2018-05-22 19:08:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 44.889 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 54.53 Mbit/s
95th percentile per-packet one-way delay: 42.982 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 44.420 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 42.14 Mbit/s
95th percentile per-packet one-way delay: 48.911 ms
Loss rate: 0.76%
```

Run 2: Report of Copa — Data Link

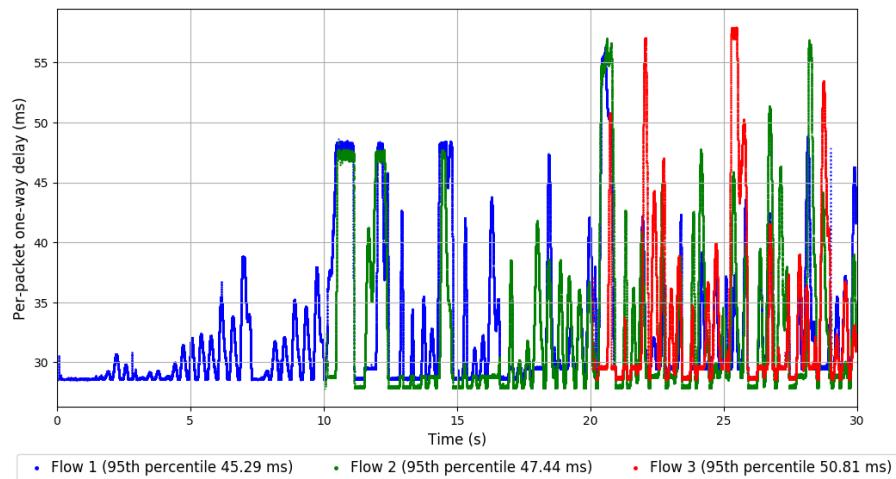
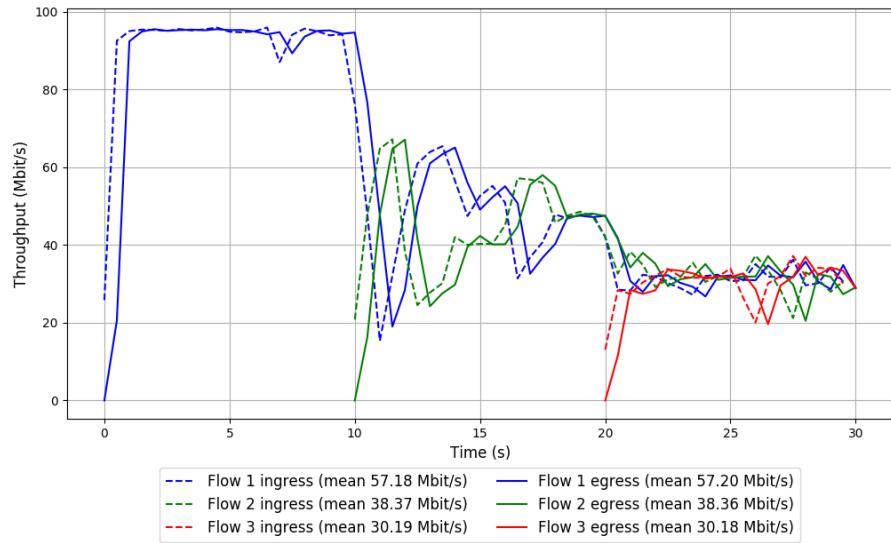


Run 3: Statistics of Copa

```
Start at: 2018-05-22 16:29:21
End at: 2018-05-22 16:29:51
Local clock offset: 0.974 ms
Remote clock offset: -1.759 ms

# Below is generated by plot.py at 2018-05-22 19:08:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 47.411 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 57.20 Mbit/s
95th percentile per-packet one-way delay: 45.292 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 38.36 Mbit/s
95th percentile per-packet one-way delay: 47.443 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: 50.810 ms
Loss rate: 0.63%
```

Run 3: Report of Copa — Data Link

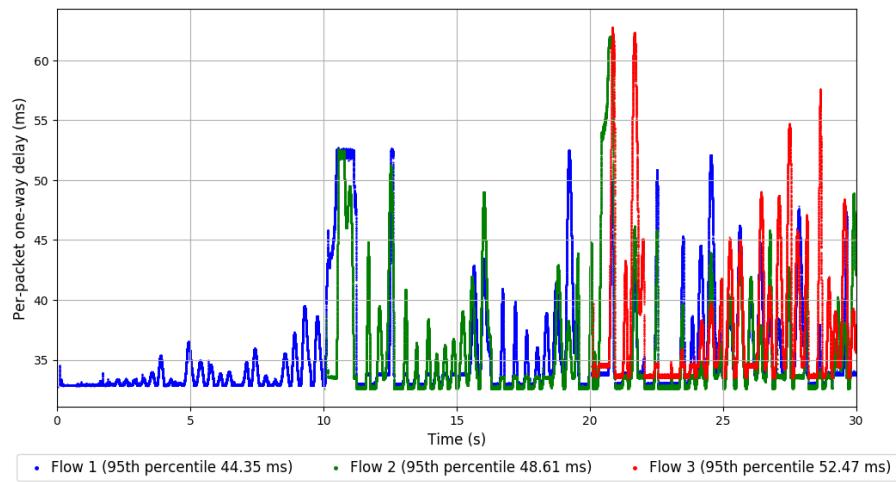
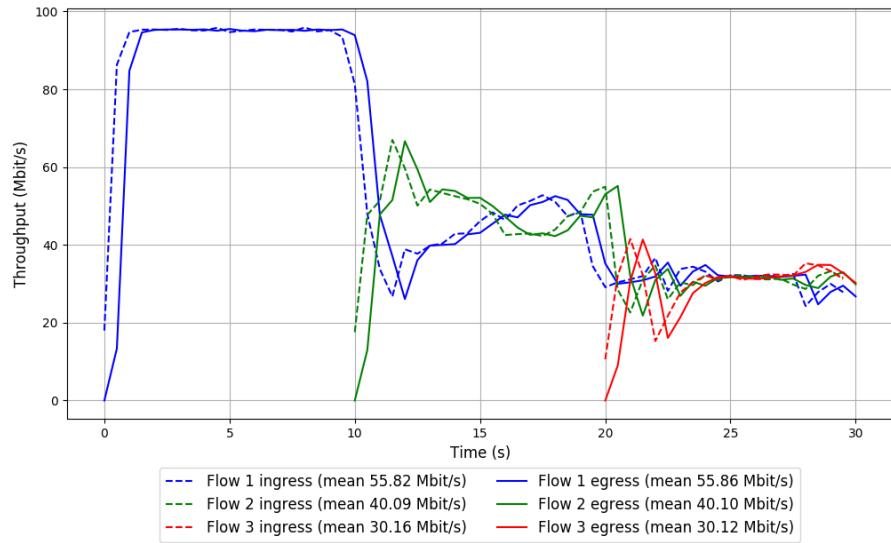


Run 4: Statistics of Copa

```
Start at: 2018-05-22 16:50:39
End at: 2018-05-22 16:51:09
Local clock offset: 1.203 ms
Remote clock offset: -1.15 ms

# Below is generated by plot.py at 2018-05-22 19:08:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.53 Mbit/s
95th percentile per-packet one-way delay: 47.003 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 44.353 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 48.610 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 52.465 ms
Loss rate: 0.76%
```

Run 4: Report of Copa — Data Link

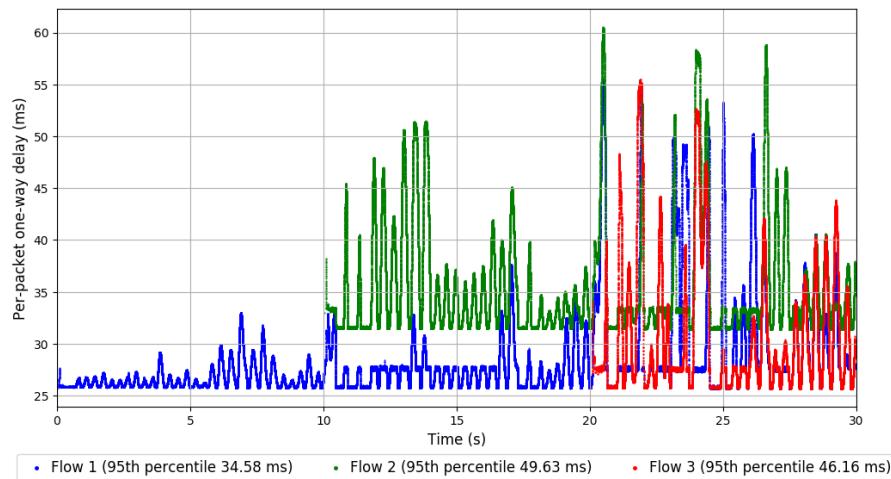
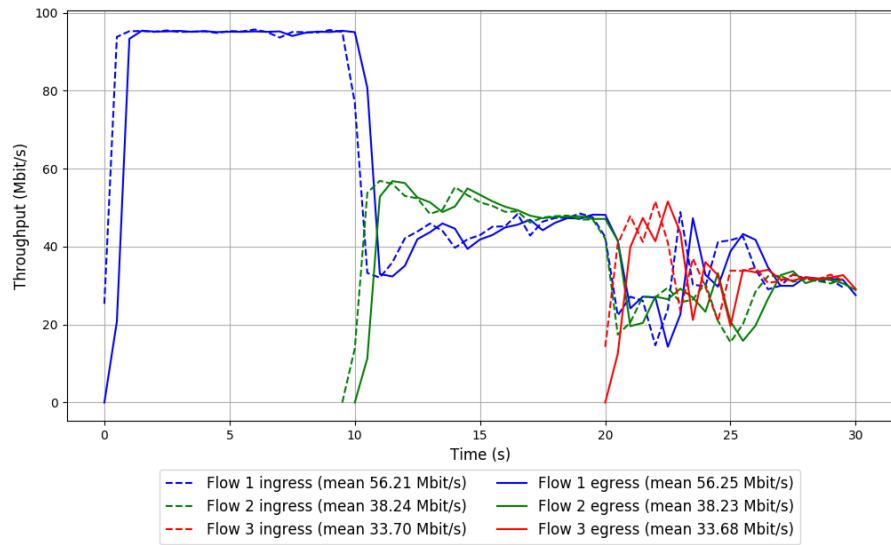


Run 5: Statistics of Copa

```
Start at: 2018-05-22 17:12:14
End at: 2018-05-22 17:12:44
Local clock offset: 1.04 ms
Remote clock offset: -7.438 ms

# Below is generated by plot.py at 2018-05-22 19:08:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 43.757 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 56.25 Mbit/s
95th percentile per-packet one-way delay: 34.583 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 49.631 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 46.165 ms
Loss rate: 0.61%
```

Run 5: Report of Copa — Data Link

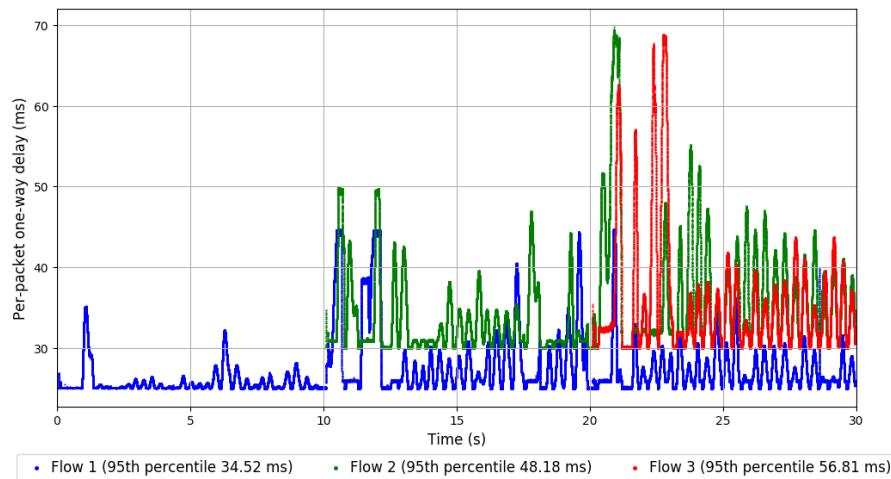
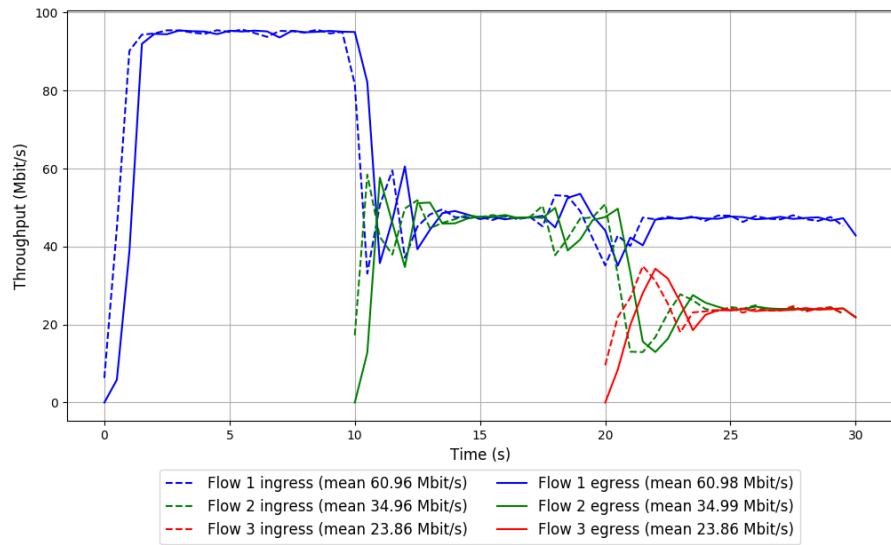


Run 6: Statistics of Copa

```
Start at: 2018-05-22 17:33:32
End at: 2018-05-22 17:34:02
Local clock offset: 1.419 ms
Remote clock offset: -10.599 ms

# Below is generated by plot.py at 2018-05-22 19:08:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 42.617 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 60.98 Mbit/s
95th percentile per-packet one-way delay: 34.520 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 48.184 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 56.809 ms
Loss rate: 0.61%
```

Run 6: Report of Copa — Data Link

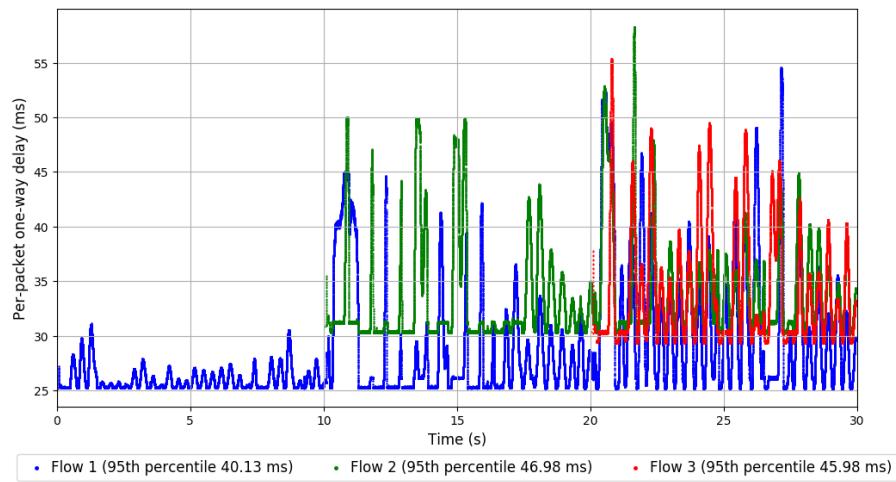
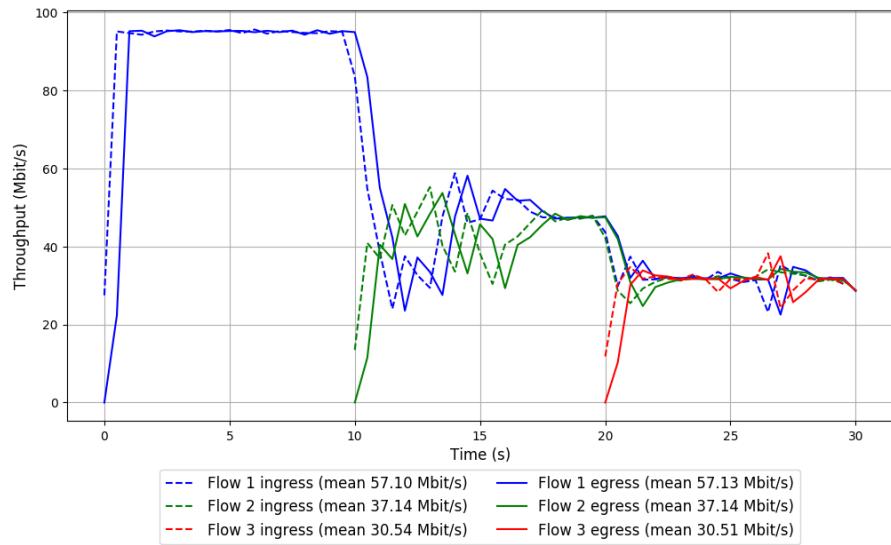


Run 7: Statistics of Copa

```
Start at: 2018-05-22 17:55:00
End at: 2018-05-22 17:55:30
Local clock offset: 1.418 ms
Remote clock offset: -13.496 ms

# Below is generated by plot.py at 2018-05-22 19:09:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 43.054 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.13 Mbit/s
95th percentile per-packet one-way delay: 40.130 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.14 Mbit/s
95th percentile per-packet one-way delay: 46.979 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 45.978 ms
Loss rate: 0.69%
```

Run 7: Report of Copa — Data Link

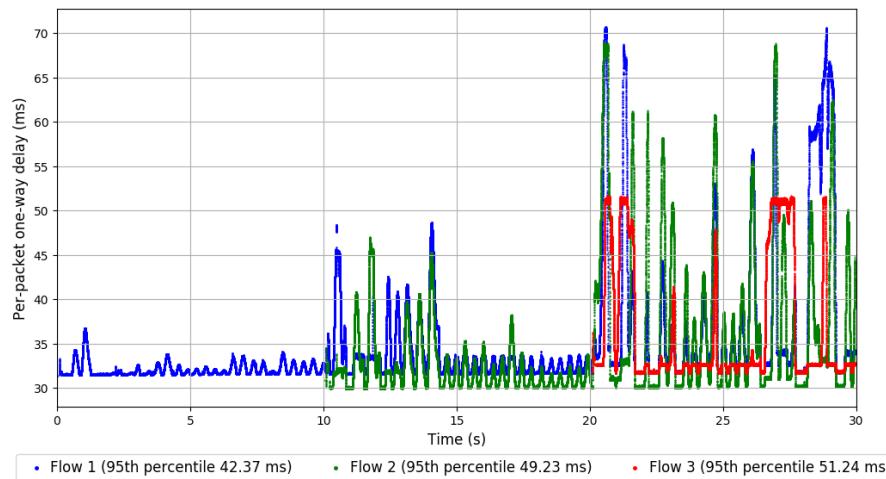
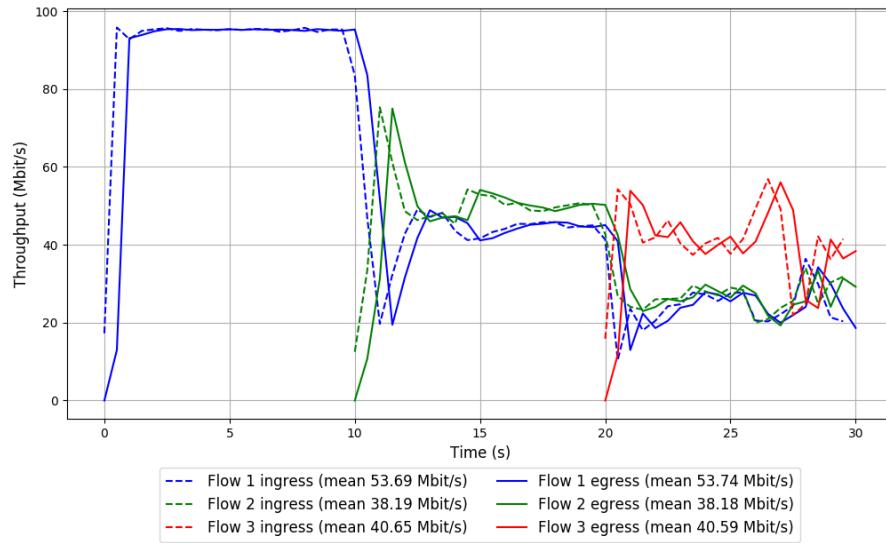


Run 8: Statistics of Copa

```
Start at: 2018-05-22 18:16:22
End at: 2018-05-22 18:16:52
Local clock offset: 1.326 ms
Remote clock offset: -1.307 ms

# Below is generated by plot.py at 2018-05-22 19:09:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 50.672 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 53.74 Mbit/s
95th percentile per-packet one-way delay: 42.365 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 38.18 Mbit/s
95th percentile per-packet one-way delay: 49.226 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 51.243 ms
Loss rate: 0.76%
```

Run 8: Report of Copa — Data Link

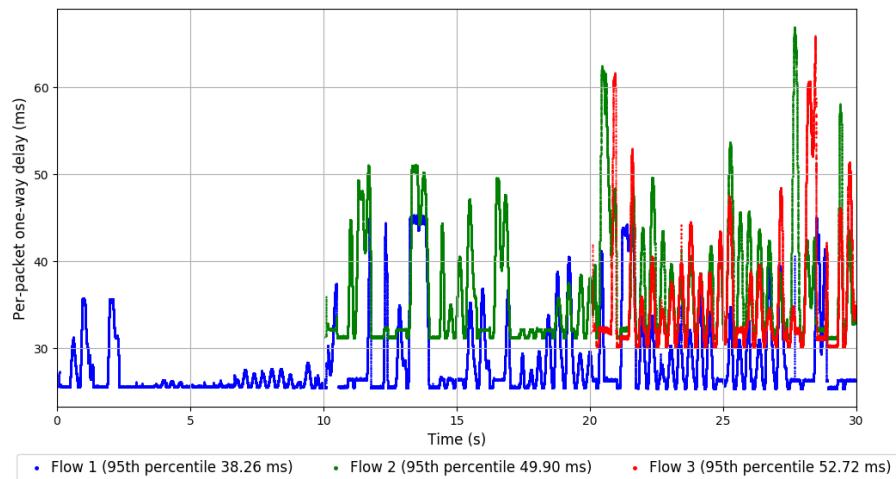
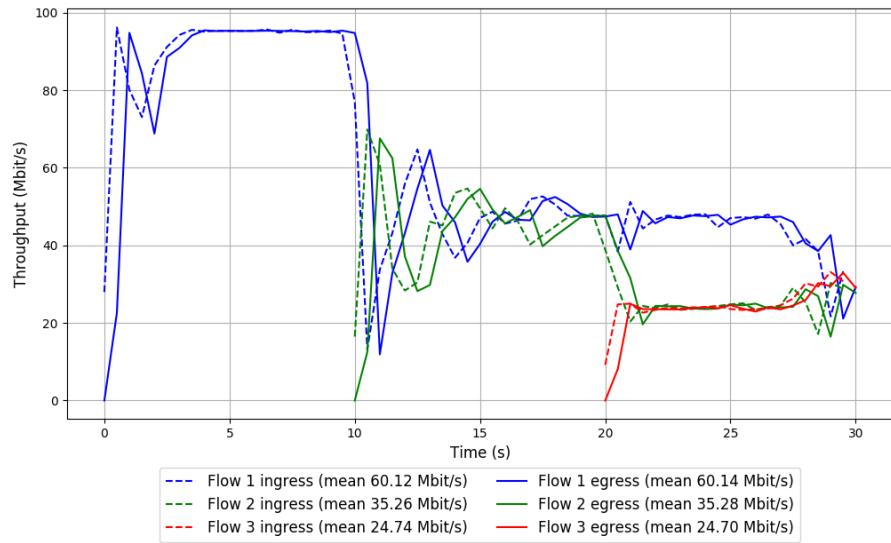


Run 9: Statistics of Copa

```
Start at: 2018-05-22 18:37:58
End at: 2018-05-22 18:38:28
Local clock offset: 0.821 ms
Remote clock offset: 4.212 ms

# Below is generated by plot.py at 2018-05-22 19:10:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.80 Mbit/s
95th percentile per-packet one-way delay: 44.835 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 60.14 Mbit/s
95th percentile per-packet one-way delay: 38.264 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 49.903 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 52.717 ms
Loss rate: 0.77%
```

Run 9: Report of Copa — Data Link

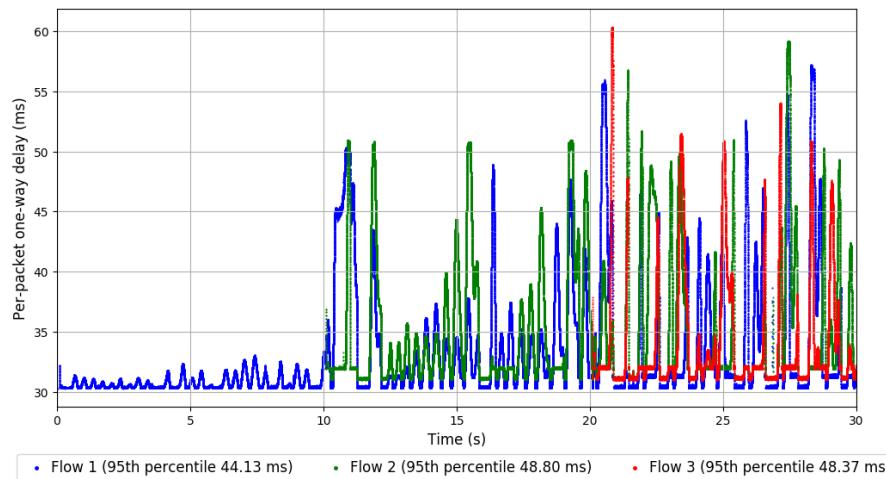
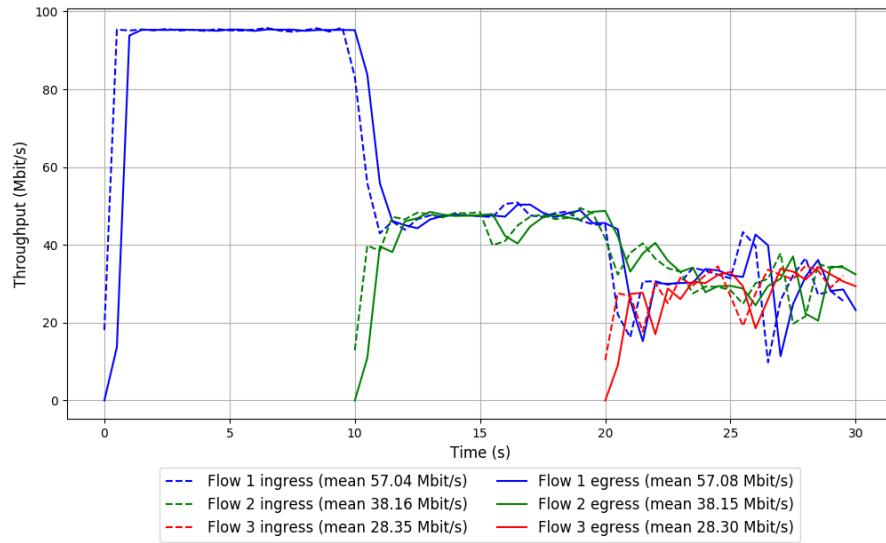


Run 10: Statistics of Copa

```
Start at: 2018-05-22 18:59:18
End at: 2018-05-22 18:59:48
Local clock offset: 0.714 ms
Remote clock offset: 1.759 ms

# Below is generated by plot.py at 2018-05-22 19:10:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.85 Mbit/s
95th percentile per-packet one-way delay: 46.197 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 57.08 Mbit/s
95th percentile per-packet one-way delay: 44.135 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: 48.804 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 28.30 Mbit/s
95th percentile per-packet one-way delay: 48.373 ms
Loss rate: 0.81%
```

Run 10: Report of Copa — Data Link

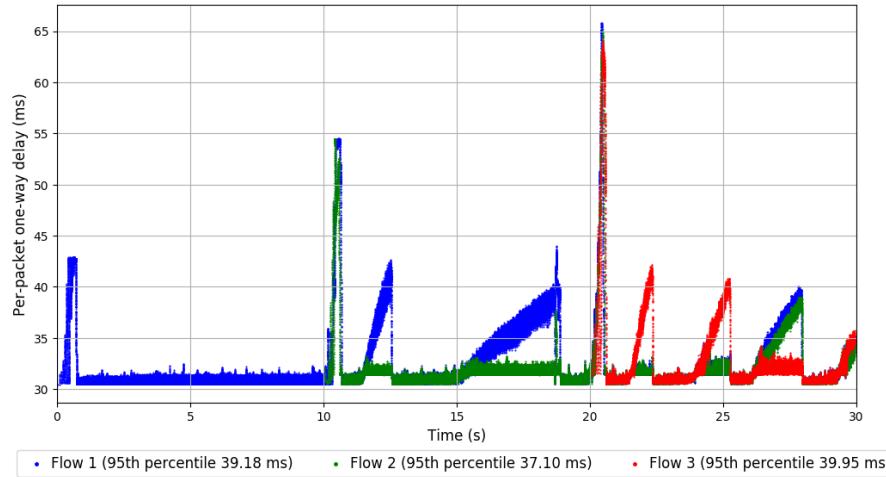
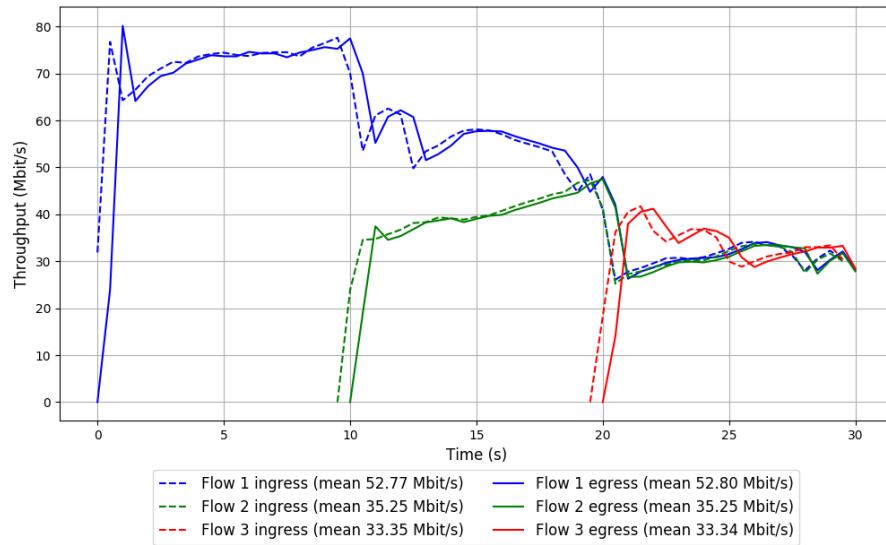


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-22 15:48:05
End at: 2018-05-22 15:48:35
Local clock offset: 1.447 ms
Remote clock offset: -0.741 ms

# Below is generated by plot.py at 2018-05-22 19:10:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 38.979 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 52.80 Mbit/s
95th percentile per-packet one-way delay: 39.183 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.25 Mbit/s
95th percentile per-packet one-way delay: 37.096 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 33.34 Mbit/s
95th percentile per-packet one-way delay: 39.947 ms
Loss rate: 0.64%
```

Run 1: Report of TCP Cubic — Data Link

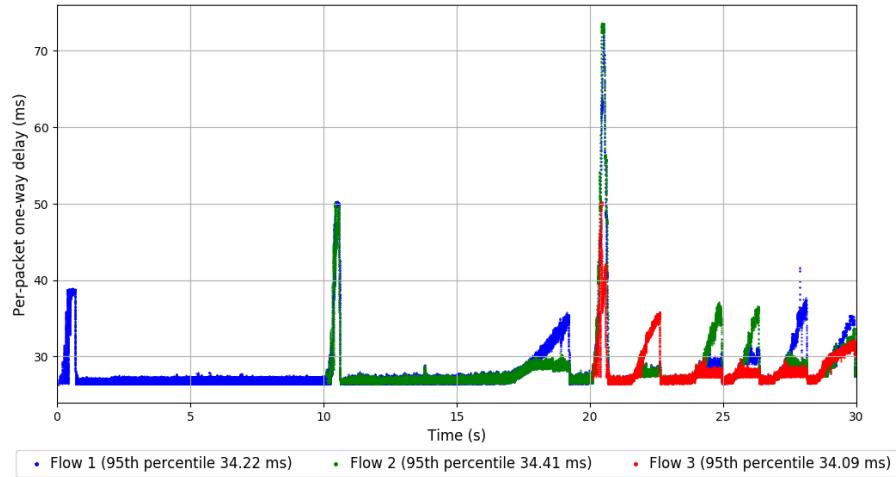
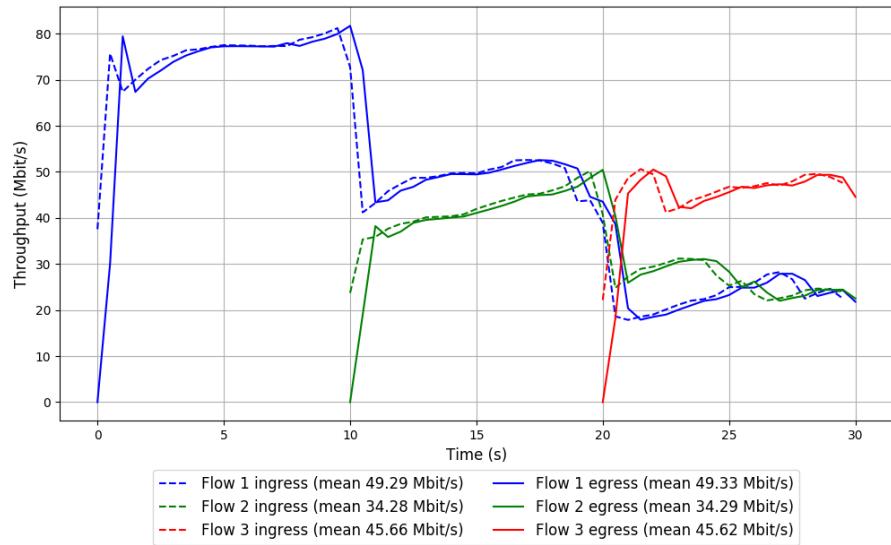


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-22 16:09:23
End at: 2018-05-22 16:09:53
Local clock offset: 1.001 ms
Remote clock offset: -0.412 ms

# Below is generated by plot.py at 2018-05-22 19:10:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 34.228 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 49.33 Mbit/s
95th percentile per-packet one-way delay: 34.218 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: 34.413 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 45.62 Mbit/s
95th percentile per-packet one-way delay: 34.086 ms
Loss rate: 0.67%
```

Run 2: Report of TCP Cubic — Data Link

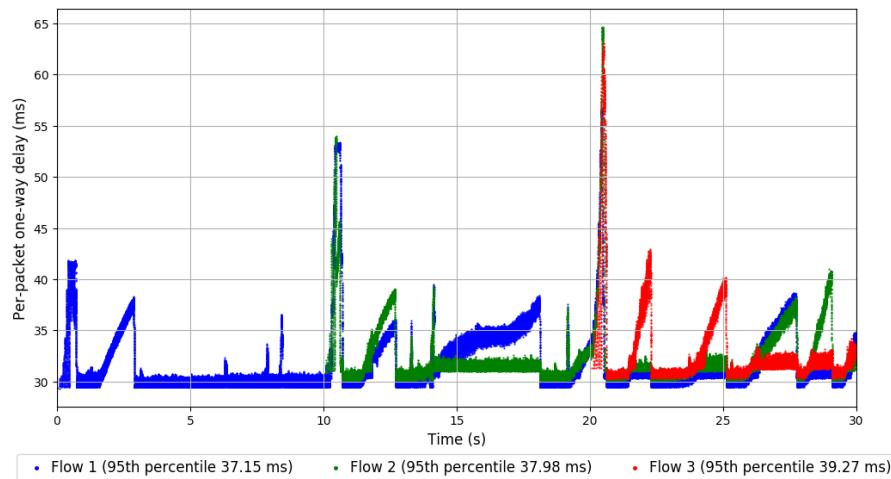
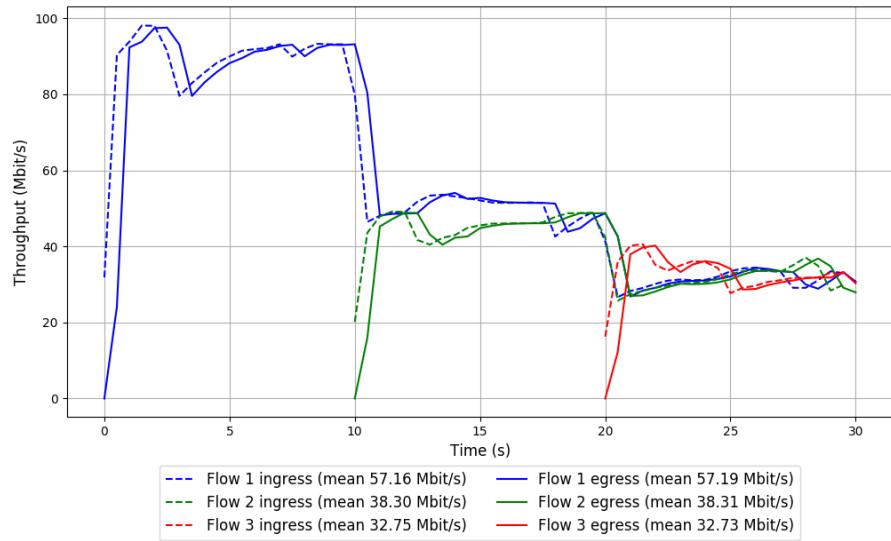


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-22 16:30:45
End at: 2018-05-22 16:31:15
Local clock offset: 1.003 ms
Remote clock offset: 0.893 ms

# Below is generated by plot.py at 2018-05-22 19:10:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 37.583 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.19 Mbit/s
95th percentile per-packet one-way delay: 37.149 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 37.975 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 39.274 ms
Loss rate: 0.65%
```

Run 3: Report of TCP Cubic — Data Link

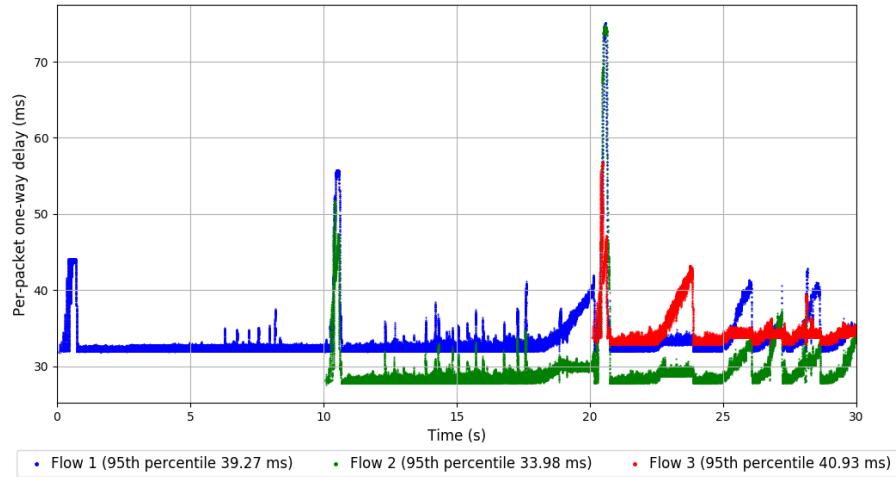
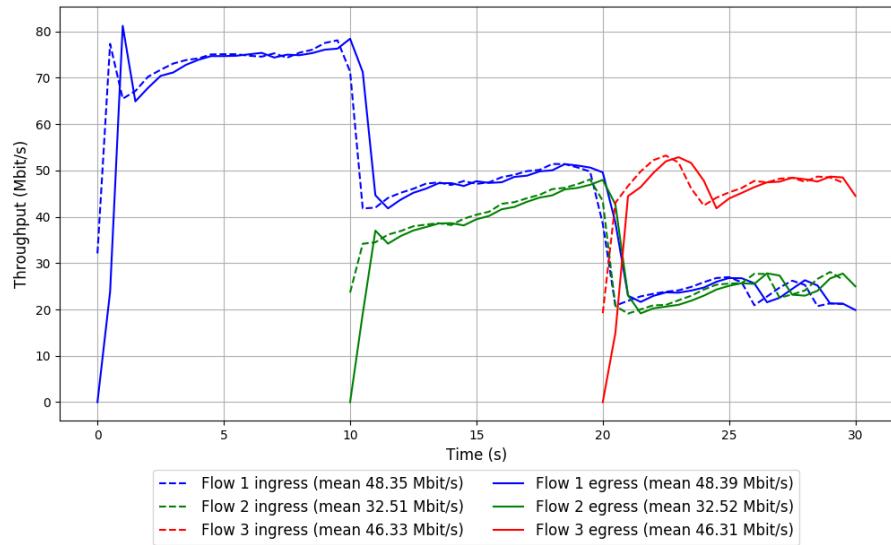


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-22 16:52:06
End at: 2018-05-22 16:52:36
Local clock offset: 1.235 ms
Remote clock offset: -1.111 ms

# Below is generated by plot.py at 2018-05-22 19:10:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 39.281 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 48.39 Mbit/s
95th percentile per-packet one-way delay: 39.265 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 33.985 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 46.31 Mbit/s
95th percentile per-packet one-way delay: 40.933 ms
Loss rate: 0.67%
```

Run 4: Report of TCP Cubic — Data Link

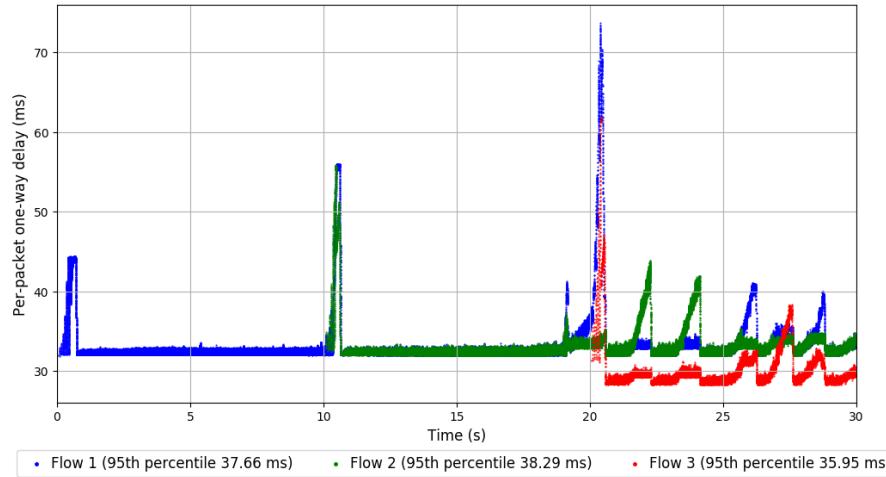
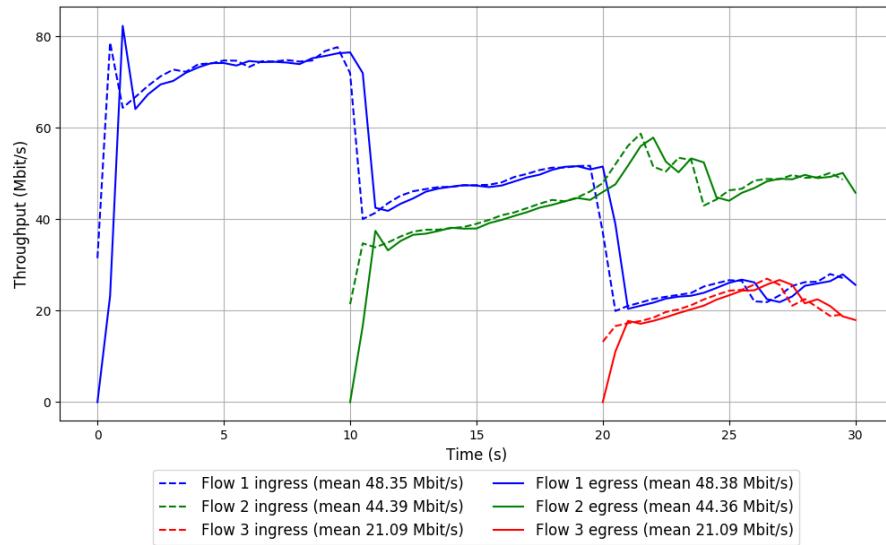


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-22 17:13:38
End at: 2018-05-22 17:14:08
Local clock offset: 1.105 ms
Remote clock offset: -9.743 ms

# Below is generated by plot.py at 2018-05-22 19:10:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 37.805 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 48.38 Mbit/s
95th percentile per-packet one-way delay: 37.655 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 44.36 Mbit/s
95th percentile per-packet one-way delay: 38.289 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 35.945 ms
Loss rate: 0.57%
```

Run 5: Report of TCP Cubic — Data Link

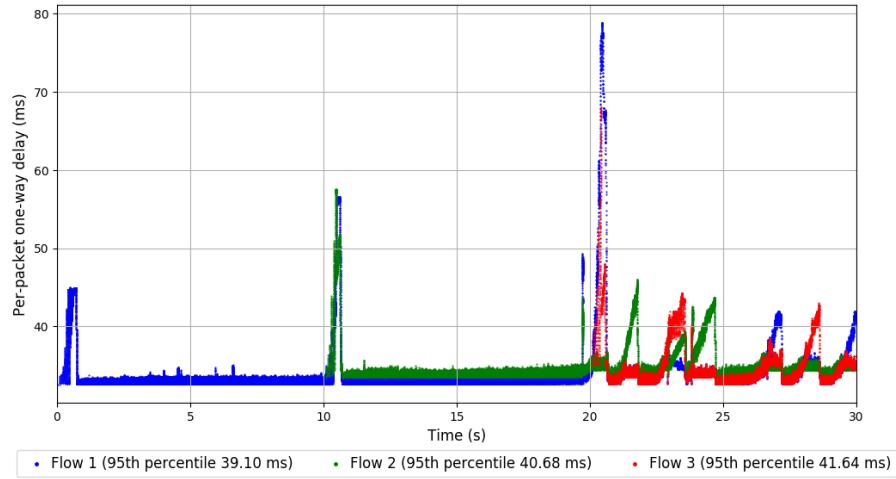
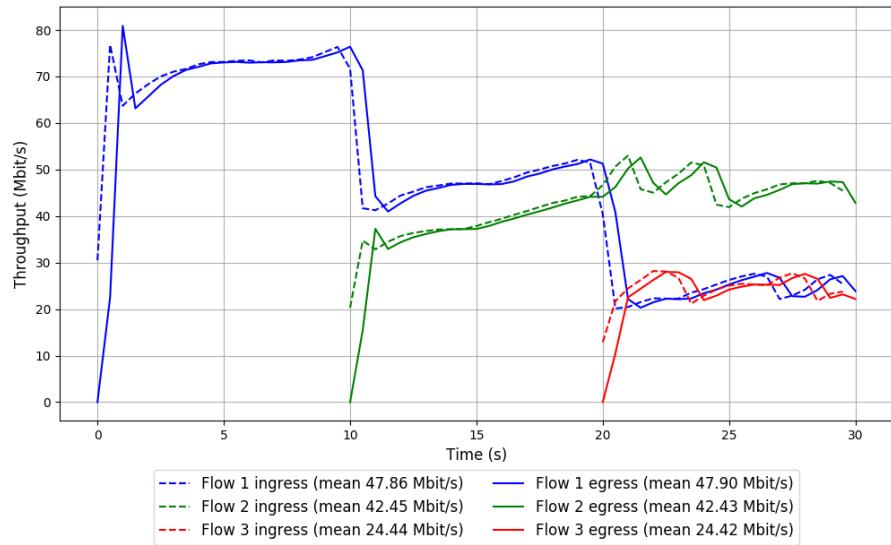


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-22 17:34:56
End at: 2018-05-22 17:35:26
Local clock offset: 1.405 ms
Remote clock offset: -13.257 ms

# Below is generated by plot.py at 2018-05-22 19:10:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: 40.533 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 47.90 Mbit/s
95th percentile per-packet one-way delay: 39.100 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 42.43 Mbit/s
95th percentile per-packet one-way delay: 40.676 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 41.644 ms
Loss rate: 0.66%
```

Run 6: Report of TCP Cubic — Data Link

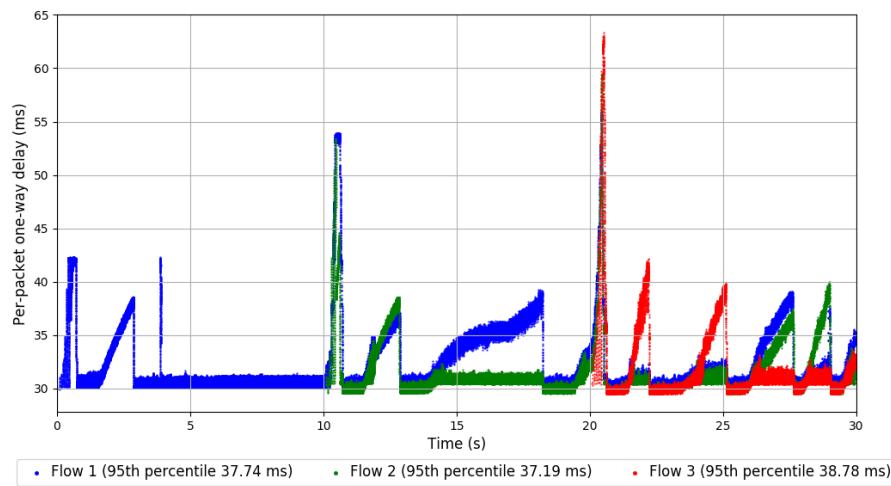
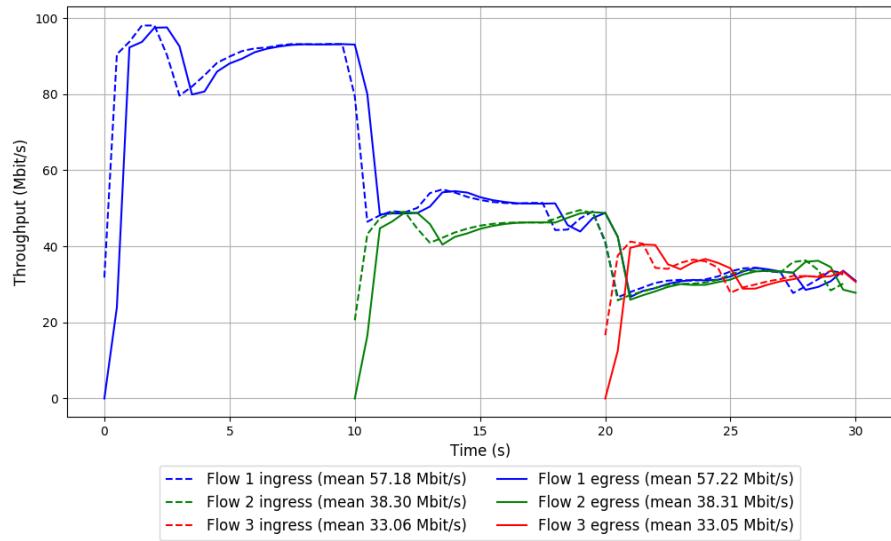


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-22 17:56:24
End at: 2018-05-22 17:56:54
Local clock offset: 1.418 ms
Remote clock offset: -13.642 ms

# Below is generated by plot.py at 2018-05-22 19:10:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 37.747 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.22 Mbit/s
95th percentile per-packet one-way delay: 37.743 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 37.191 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 38.785 ms
Loss rate: 0.64%
```

Run 7: Report of TCP Cubic — Data Link

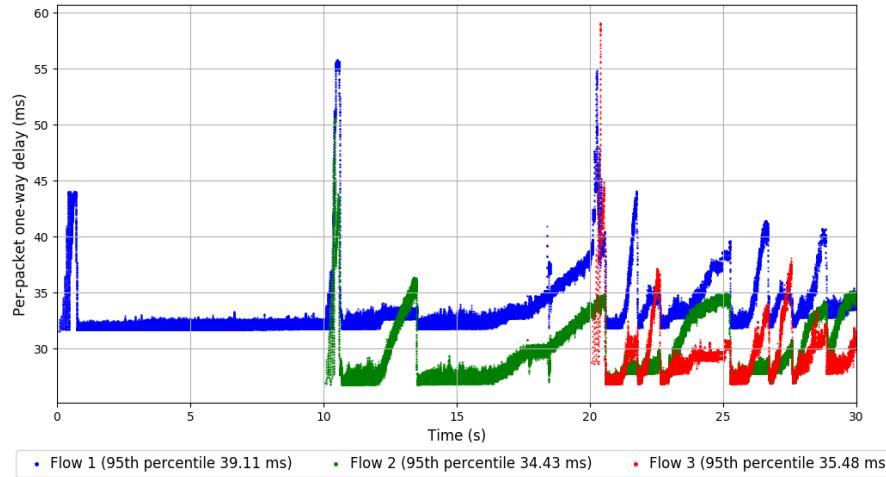
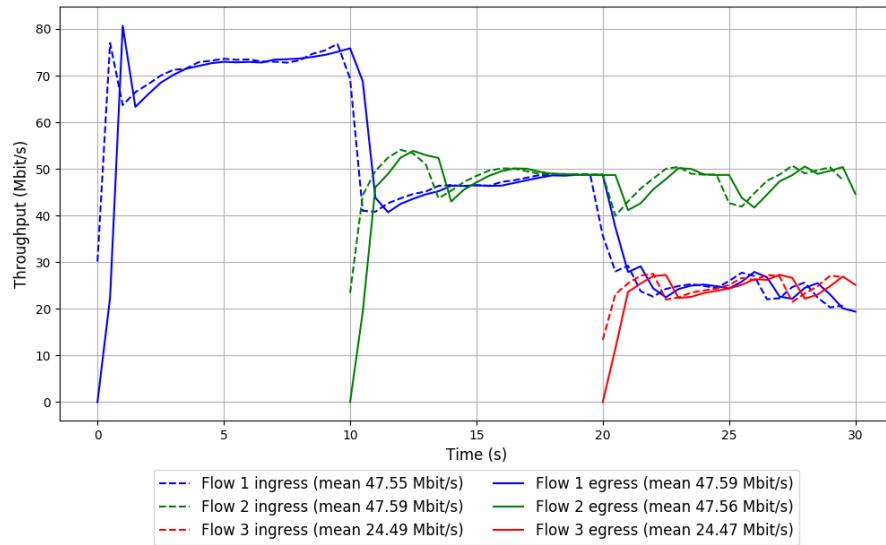


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-22 18:17:47
End at: 2018-05-22 18:18:17
Local clock offset: 1.437 ms
Remote clock offset: -0.691 ms

# Below is generated by plot.py at 2018-05-22 19:10:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.37 Mbit/s
95th percentile per-packet one-way delay: 37.335 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 47.59 Mbit/s
95th percentile per-packet one-way delay: 39.109 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 47.56 Mbit/s
95th percentile per-packet one-way delay: 34.430 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 35.485 ms
Loss rate: 0.68%
```

Run 8: Report of TCP Cubic — Data Link

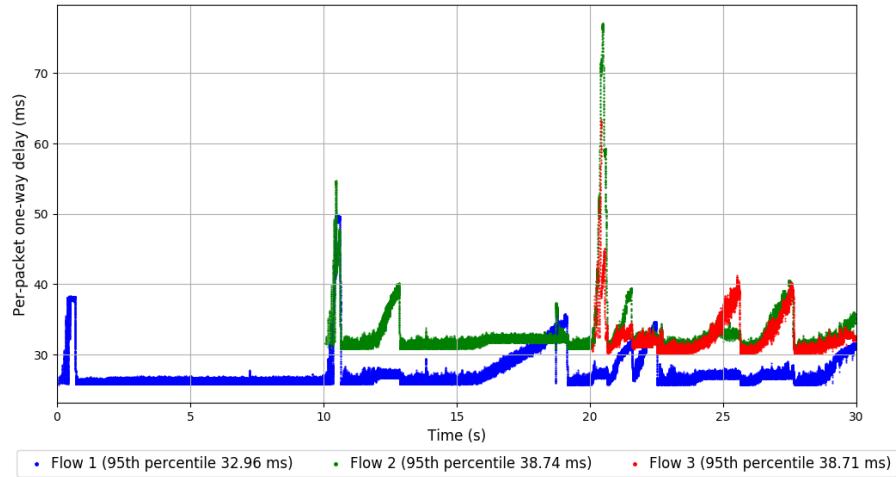
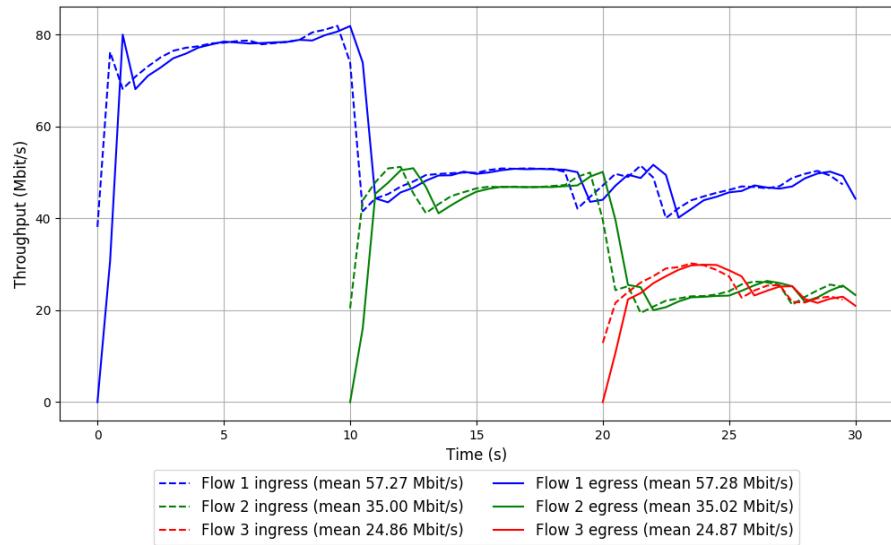


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-22 18:39:22
End at: 2018-05-22 18:39:52
Local clock offset: 0.881 ms
Remote clock offset: 3.901 ms

# Below is generated by plot.py at 2018-05-22 19:10:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.81 Mbit/s
95th percentile per-packet one-way delay: 36.505 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 57.28 Mbit/s
95th percentile per-packet one-way delay: 32.960 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 35.02 Mbit/s
95th percentile per-packet one-way delay: 38.737 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 38.713 ms
Loss rate: 0.61%
```

Run 9: Report of TCP Cubic — Data Link

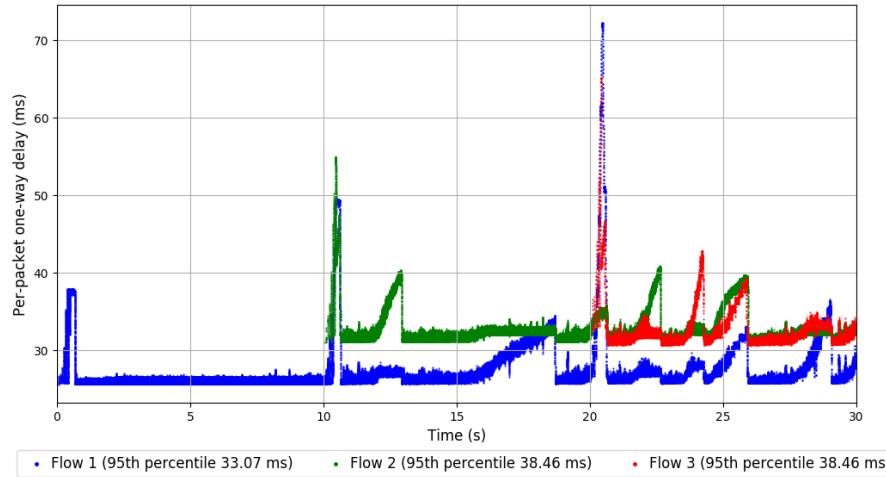
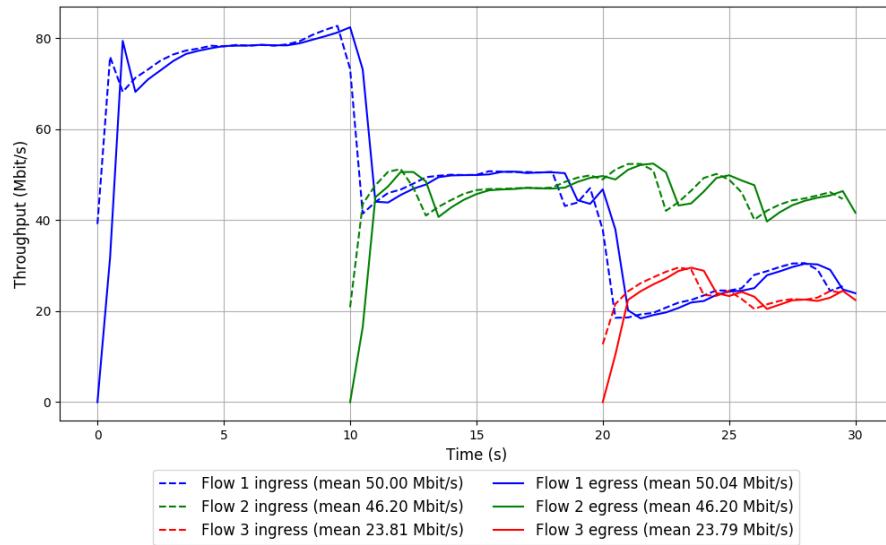


Run 10: Statistics of TCP Cubic

```
Start at: 2018-05-22 19:00:42
End at: 2018-05-22 19:01:12
Local clock offset: 0.726 ms
Remote clock offset: 1.317 ms

# Below is generated by plot.py at 2018-05-22 19:10:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.66 Mbit/s
95th percentile per-packet one-way delay: 37.471 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 50.04 Mbit/s
95th percentile per-packet one-way delay: 33.068 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 46.20 Mbit/s
95th percentile per-packet one-way delay: 38.464 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 23.79 Mbit/s
95th percentile per-packet one-way delay: 38.462 ms
Loss rate: 0.67%
```

Run 10: Report of TCP Cubic — Data Link

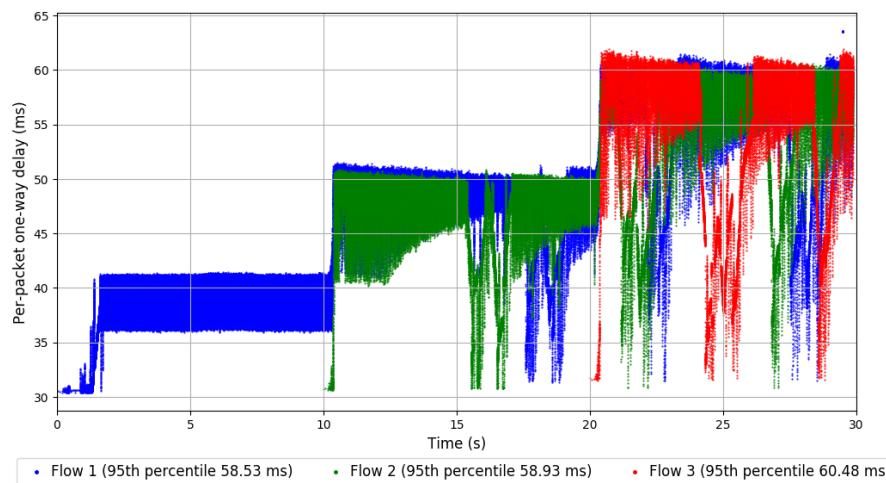
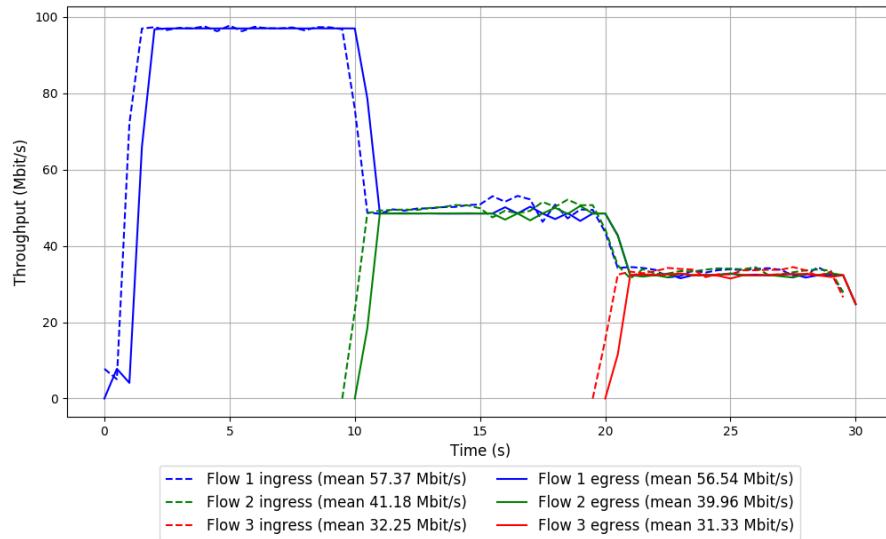


```
Run 1: Statistics of FillP

Start at: 2018-05-22 15:50:47
End at: 2018-05-22 15:51:17
Local clock offset: 1.489 ms
Remote clock offset: -0.693 ms

# Below is generated by plot.py at 2018-05-22 19:11:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.50 Mbit/s
95th percentile per-packet one-way delay: 59.266 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 58.526 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 58.928 ms
Loss rate: 3.32%
-- Flow 3:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 60.478 ms
Loss rate: 3.48%
```

Run 1: Report of FillP — Data Link

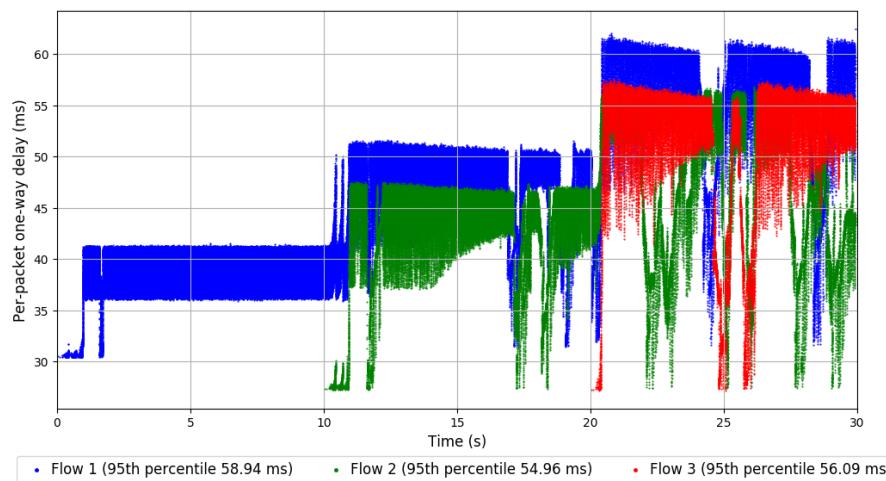
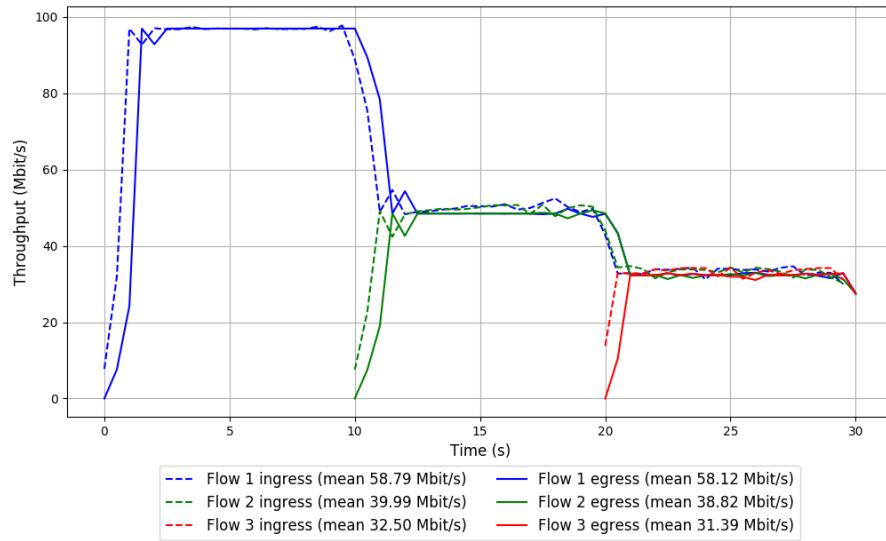


Run 2: Statistics of FillP

```
Start at: 2018-05-22 16:12:06
End at: 2018-05-22 16:12:36
Local clock offset: 1.025 ms
Remote clock offset: -0.29 ms

# Below is generated by plot.py at 2018-05-22 19:11:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 57.601 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 58.12 Mbit/s
95th percentile per-packet one-way delay: 58.943 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 38.82 Mbit/s
95th percentile per-packet one-way delay: 54.964 ms
Loss rate: 3.17%
-- Flow 3:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 56.093 ms
Loss rate: 4.08%
```

Run 2: Report of FillP — Data Link

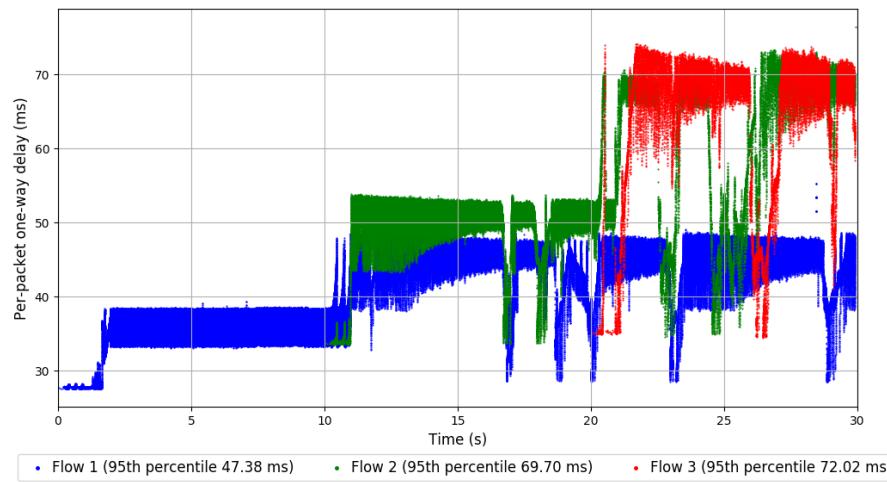
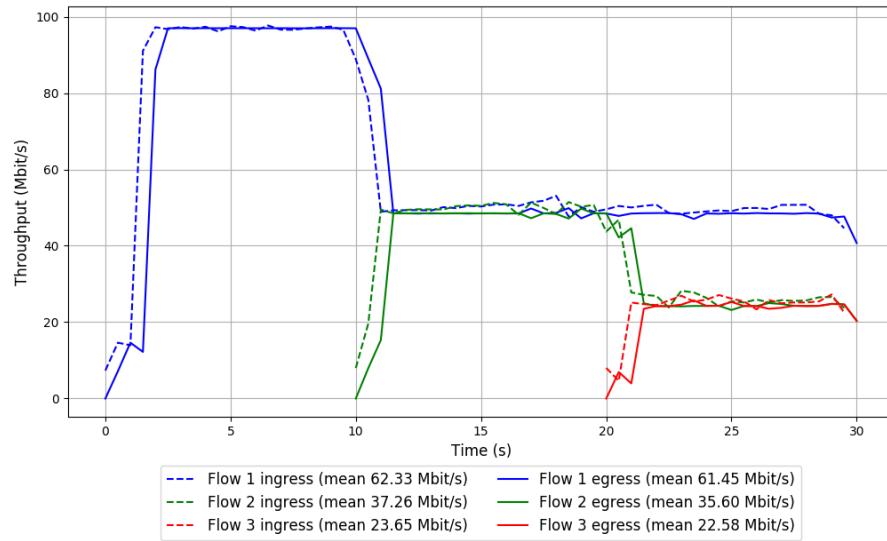


Run 3: Statistics of FillP

```
Start at: 2018-05-22 16:33:27
End at: 2018-05-22 16:33:57
Local clock offset: 1.053 ms
Remote clock offset: -1.528 ms

# Below is generated by plot.py at 2018-05-22 19:11:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 69.081 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 61.45 Mbit/s
95th percentile per-packet one-way delay: 47.378 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 35.60 Mbit/s
95th percentile per-packet one-way delay: 69.705 ms
Loss rate: 4.70%
-- Flow 3:
Average throughput: 22.58 Mbit/s
95th percentile per-packet one-way delay: 72.021 ms
Loss rate: 5.10%
```

Run 3: Report of FillP — Data Link

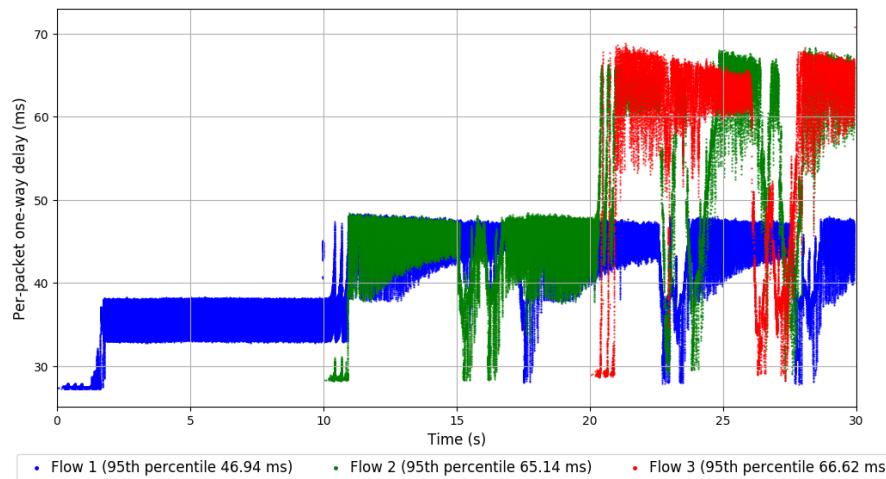
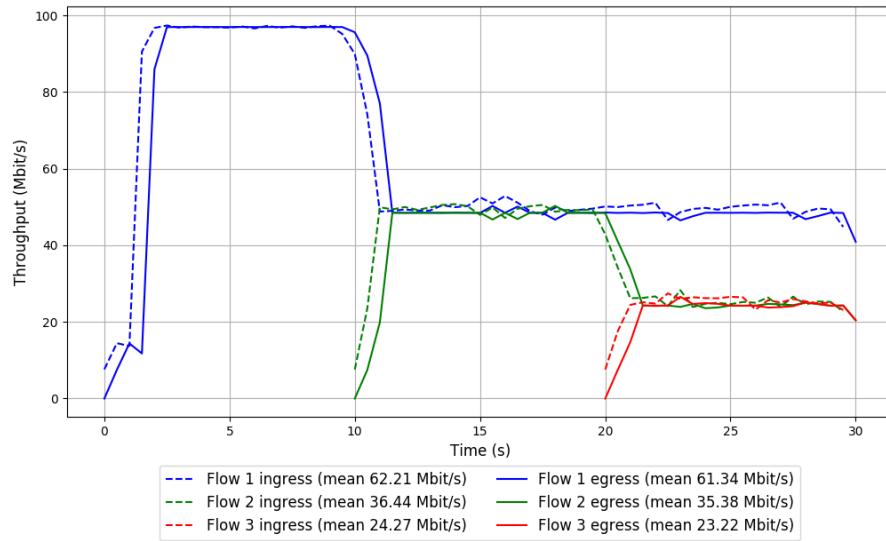


Run 4: Statistics of FillP

```
Start at: 2018-05-22 16:54:49
End at: 2018-05-22 16:55:19
Local clock offset: 1.259 ms
Remote clock offset: -1.868 ms

# Below is generated by plot.py at 2018-05-22 19:11:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 64.128 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 61.34 Mbit/s
95th percentile per-packet one-way delay: 46.941 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 35.38 Mbit/s
95th percentile per-packet one-way delay: 65.140 ms
Loss rate: 3.25%
-- Flow 3:
Average throughput: 23.22 Mbit/s
95th percentile per-packet one-way delay: 66.617 ms
Loss rate: 4.97%
```

Run 4: Report of FillP — Data Link

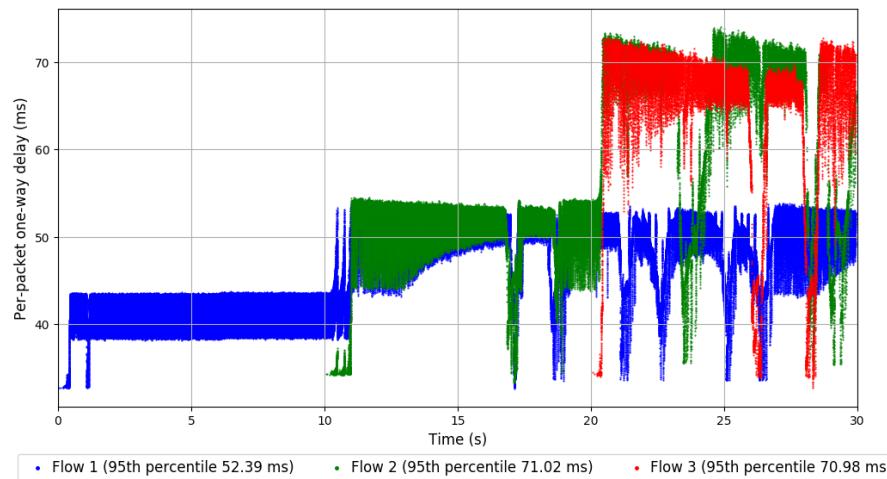
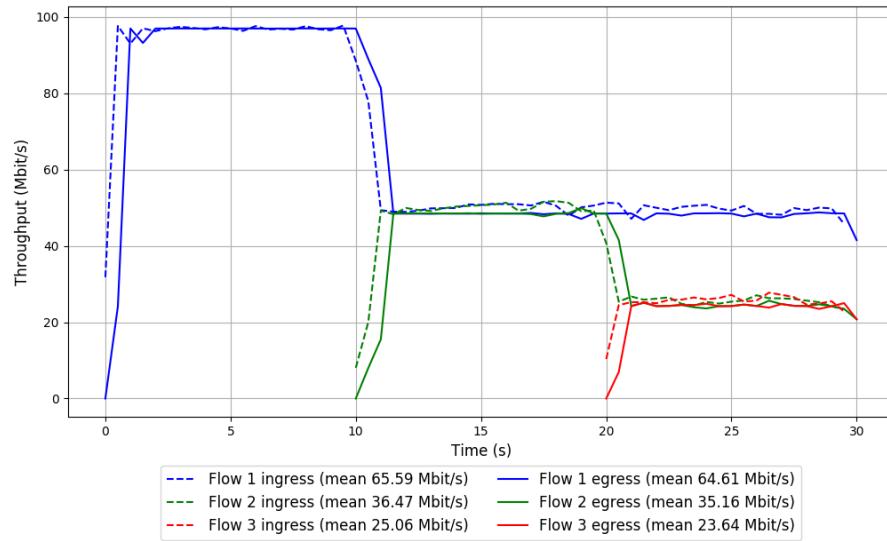


Run 5: Statistics of FillP

```
Start at: 2018-05-22 17:16:20
End at: 2018-05-22 17:16:50
Local clock offset: 1.224 ms
Remote clock offset: -10.303 ms

# Below is generated by plot.py at 2018-05-22 19:11:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 69.191 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 52.388 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 35.16 Mbit/s
95th percentile per-packet one-way delay: 71.015 ms
Loss rate: 3.98%
-- Flow 3:
Average throughput: 23.64 Mbit/s
95th percentile per-packet one-way delay: 70.983 ms
Loss rate: 6.41%
```

Run 5: Report of FillP — Data Link

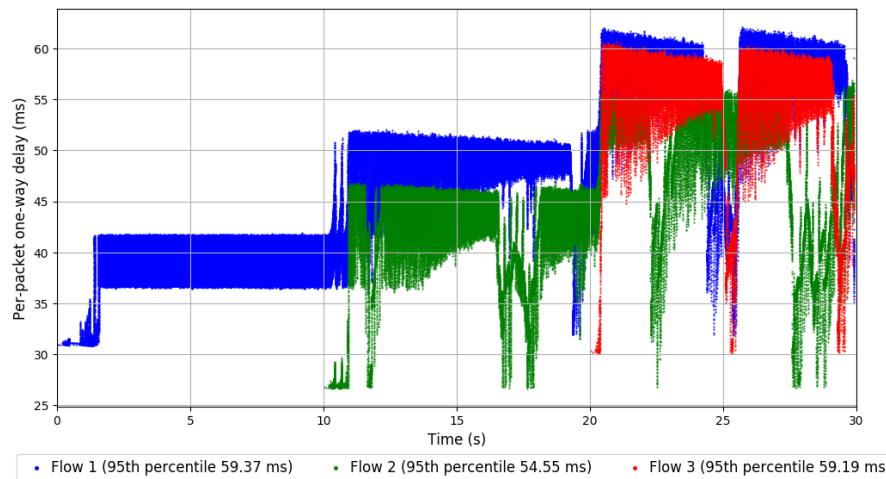
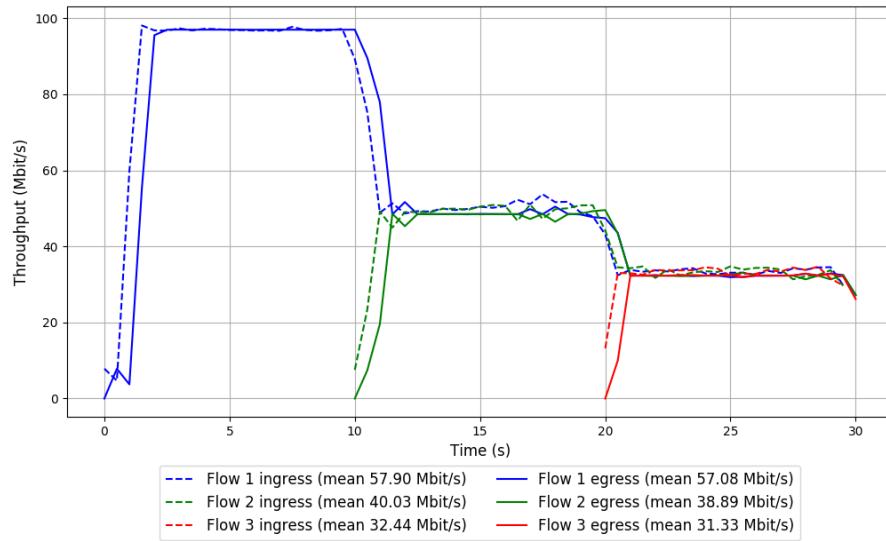


Run 6: Statistics of FillP

```
Start at: 2018-05-22 17:37:37
End at: 2018-05-22 17:38:07
Local clock offset: 1.466 ms
Remote clock offset: -11.112 ms

# Below is generated by plot.py at 2018-05-22 19:11:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 58.836 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 57.08 Mbit/s
95th percentile per-packet one-way delay: 59.365 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 54.550 ms
Loss rate: 3.11%
-- Flow 3:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 59.190 ms
Loss rate: 4.01%
```

Run 6: Report of FillP — Data Link

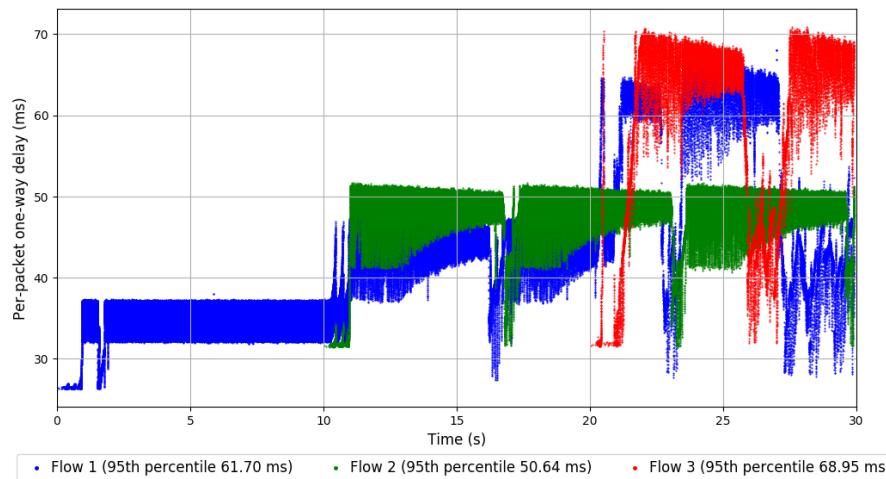
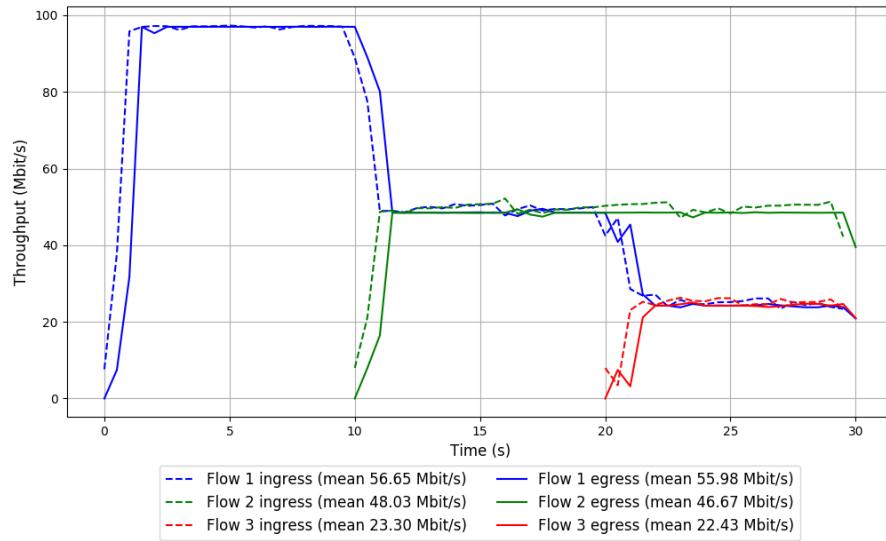


Run 7: Statistics of FillP

```
Start at: 2018-05-22 17:59:06
End at: 2018-05-22 17:59:36
Local clock offset: 1.459 ms
Remote clock offset: -14.423 ms

# Below is generated by plot.py at 2018-05-22 19:11:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 64.347 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 55.98 Mbit/s
95th percentile per-packet one-way delay: 61.701 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 50.643 ms
Loss rate: 3.11%
-- Flow 3:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: 68.950 ms
Loss rate: 4.46%
```

Run 7: Report of FillP — Data Link

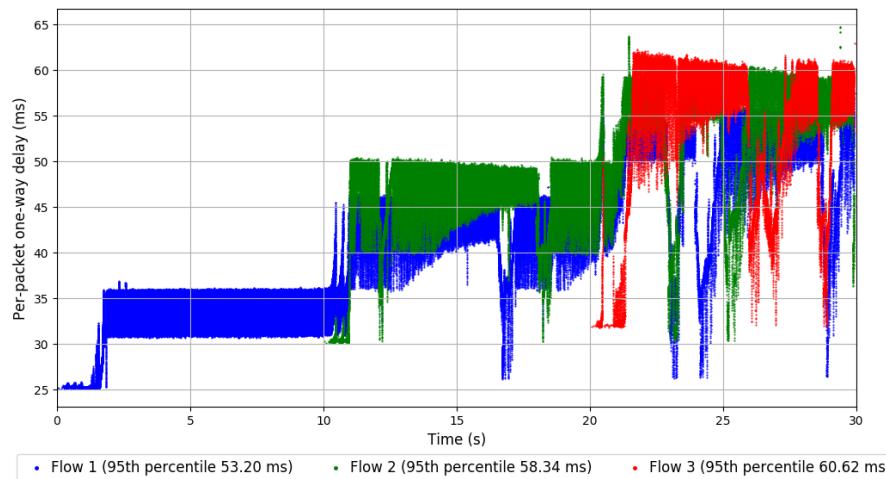
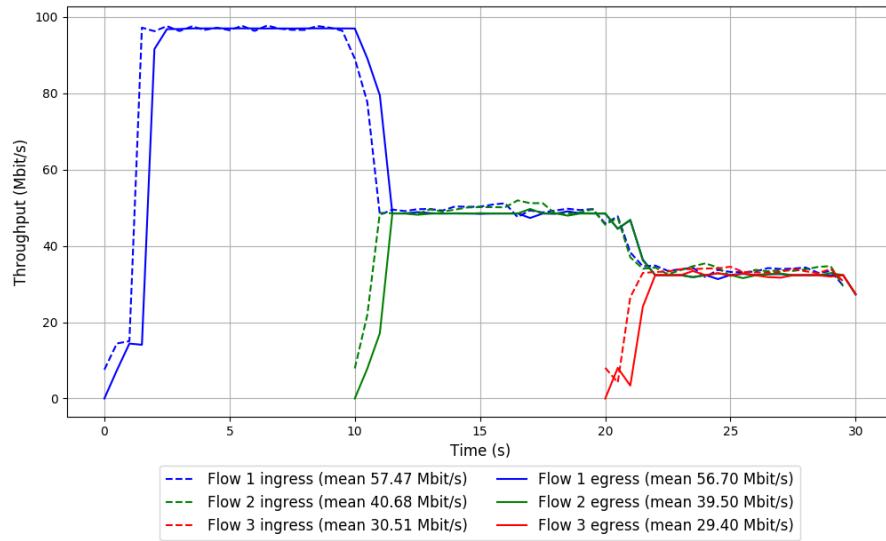


Run 8: Statistics of FillP

```
Start at: 2018-05-22 18:20:31
End at: 2018-05-22 18:21:01
Local clock offset: 1.355 ms
Remote clock offset: 0.984 ms

# Below is generated by plot.py at 2018-05-22 19:11:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: 58.354 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 56.70 Mbit/s
95th percentile per-packet one-way delay: 53.198 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 58.345 ms
Loss rate: 3.19%
-- Flow 3:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 60.622 ms
Loss rate: 4.20%
```

Run 8: Report of FillP — Data Link

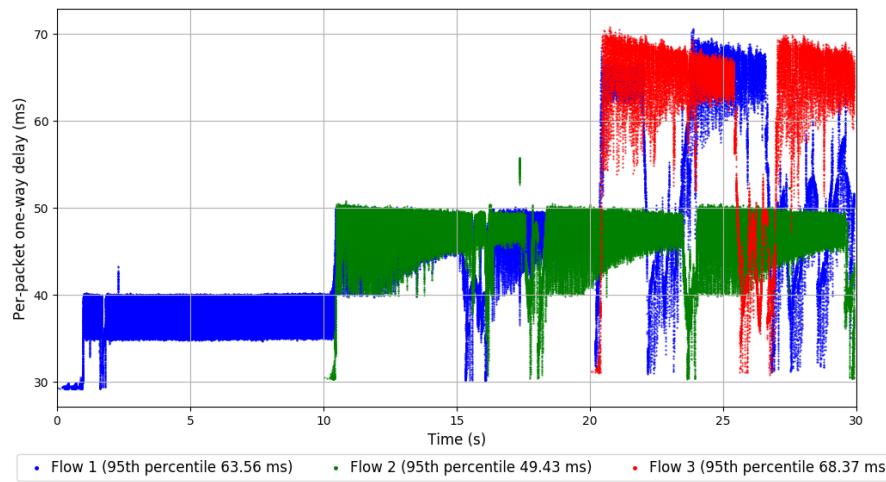
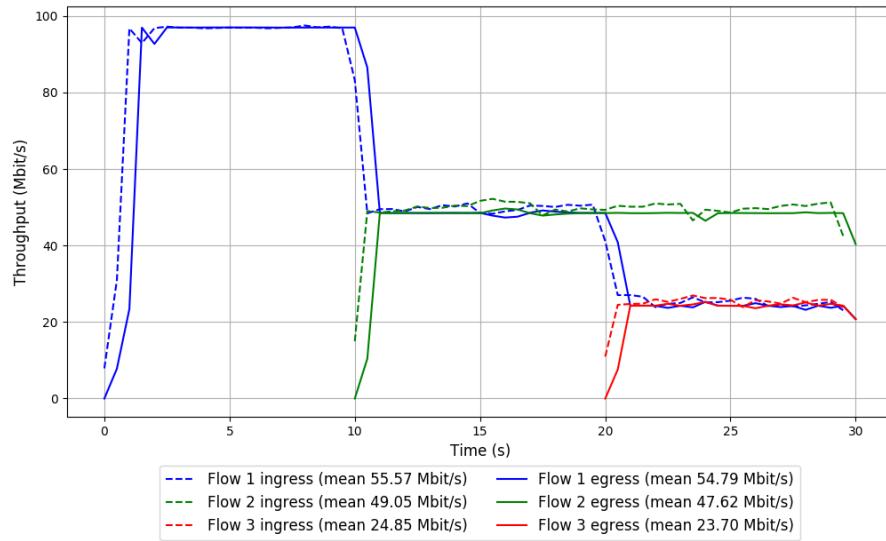


Run 9: Statistics of FillP

```
Start at: 2018-05-22 18:42:04
End at: 2018-05-22 18:42:34
Local clock offset: 0.81 ms
Remote clock offset: 2.983 ms

# Below is generated by plot.py at 2018-05-22 19:12:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.27 Mbit/s
95th percentile per-packet one-way delay: 65.479 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 54.79 Mbit/s
95th percentile per-packet one-way delay: 63.564 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 47.62 Mbit/s
95th percentile per-packet one-way delay: 49.429 ms
Loss rate: 3.21%
-- Flow 3:
Average throughput: 23.70 Mbit/s
95th percentile per-packet one-way delay: 68.371 ms
Loss rate: 5.33%
```

Run 9: Report of FillP — Data Link

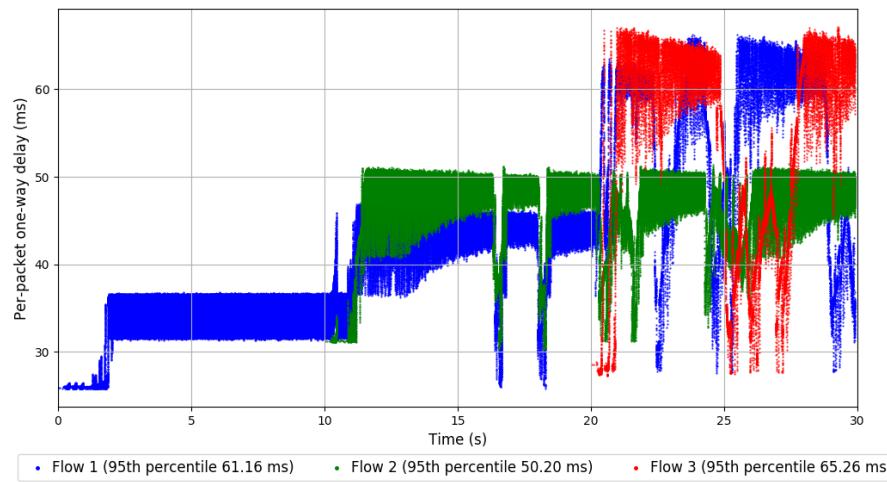
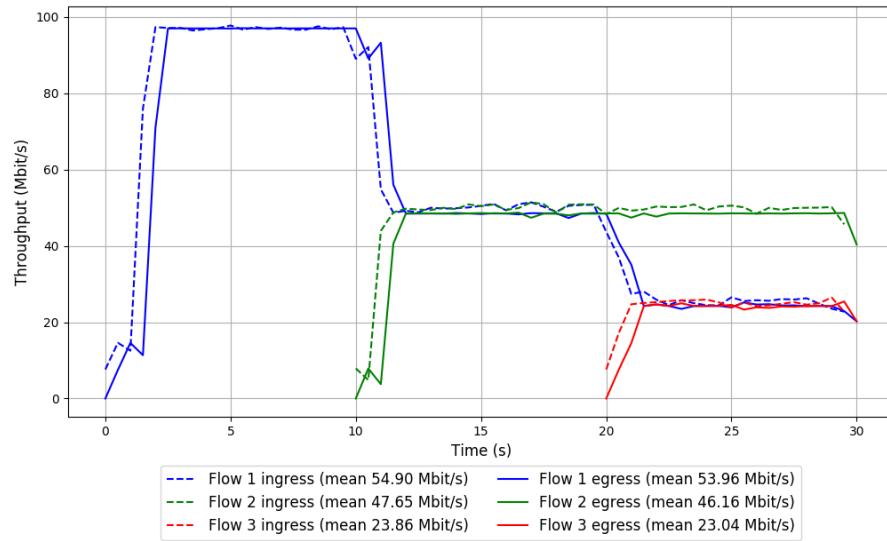


Run 10: Statistics of FillP

```
Start at: 2018-05-22 19:03:24
End at: 2018-05-22 19:03:54
Local clock offset: 0.774 ms
Remote clock offset: 2.024 ms

# Below is generated by plot.py at 2018-05-22 19:12:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 62.035 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 53.96 Mbit/s
95th percentile per-packet one-way delay: 61.159 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 46.16 Mbit/s
95th percentile per-packet one-way delay: 50.203 ms
Loss rate: 3.48%
-- Flow 3:
Average throughput: 23.04 Mbit/s
95th percentile per-packet one-way delay: 65.258 ms
Loss rate: 4.13%
```

Run 10: Report of FillP — Data Link

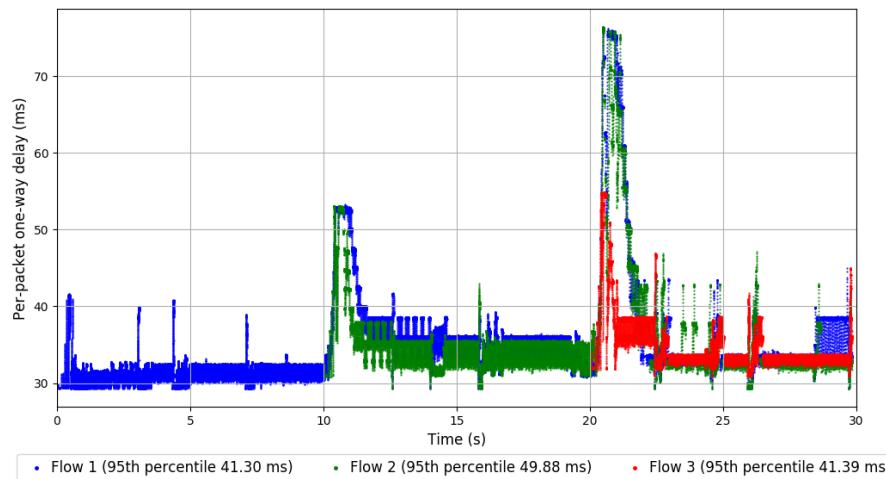
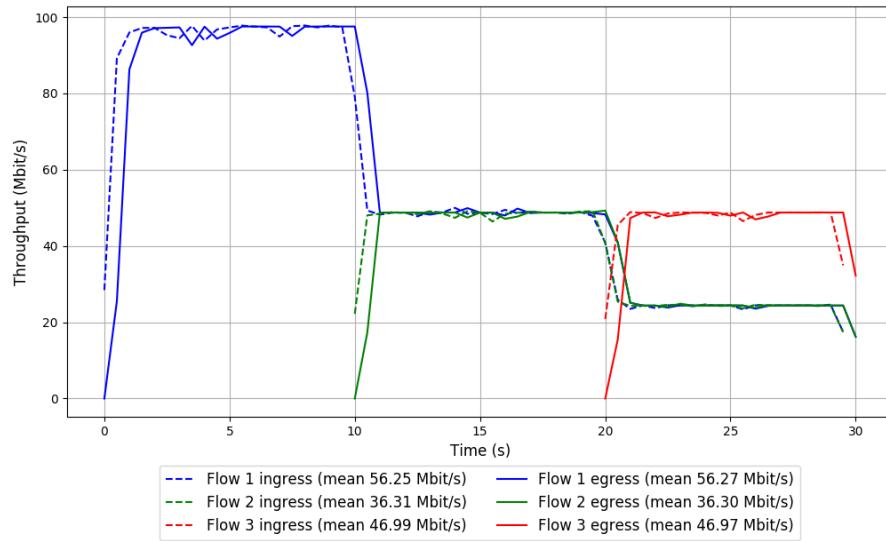


Run 1: Statistics of Indigo

```
Start at: 2018-05-22 15:32:07
End at: 2018-05-22 15:32:37
Local clock offset: 1.005 ms
Remote clock offset: -0.353 ms

# Below is generated by plot.py at 2018-05-22 19:12:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 43.949 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 41.301 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 49.884 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 46.97 Mbit/s
95th percentile per-packet one-way delay: 41.388 ms
Loss rate: 0.65%
```

Run 1: Report of Indigo — Data Link

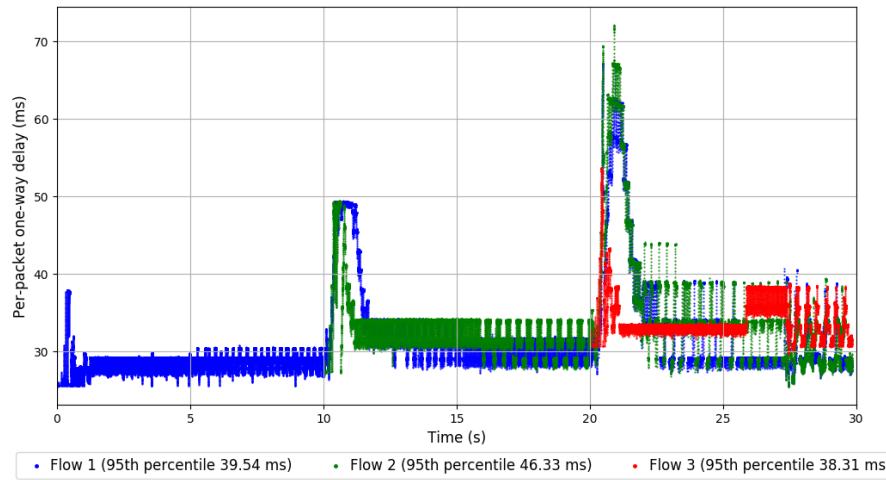
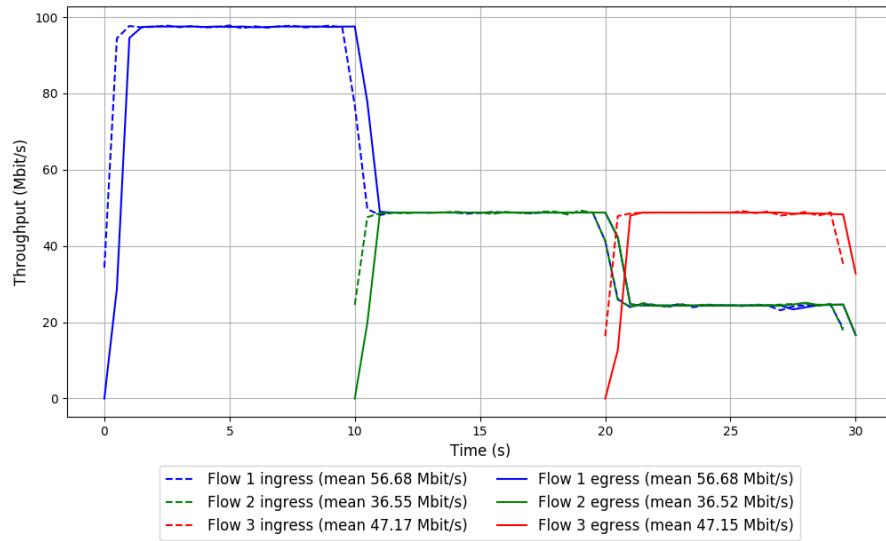


Run 2: Statistics of Indigo

```
Start at: 2018-05-22 15:53:23
End at: 2018-05-22 15:53:53
Local clock offset: 1.413 ms
Remote clock offset: -0.68 ms

# Below is generated by plot.py at 2018-05-22 19:12:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 40.461 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 39.544 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 36.52 Mbit/s
95th percentile per-packet one-way delay: 46.331 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 47.15 Mbit/s
95th percentile per-packet one-way delay: 38.308 ms
Loss rate: 0.67%
```

Run 2: Report of Indigo — Data Link

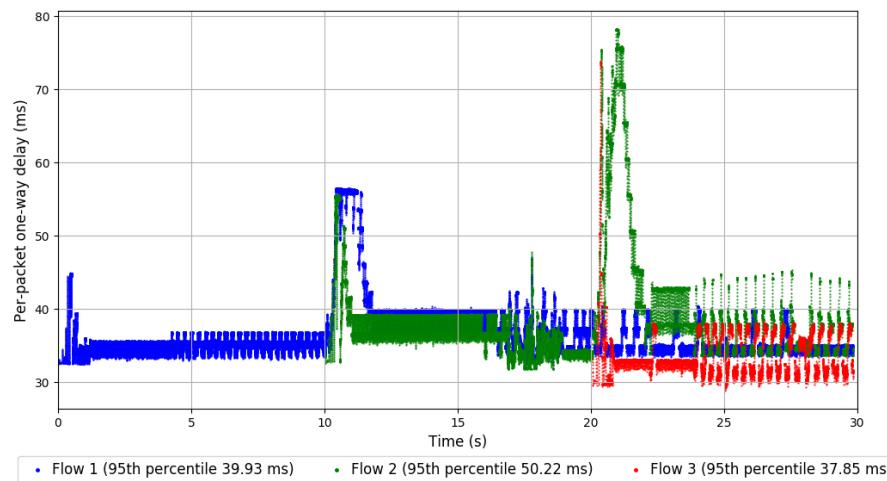
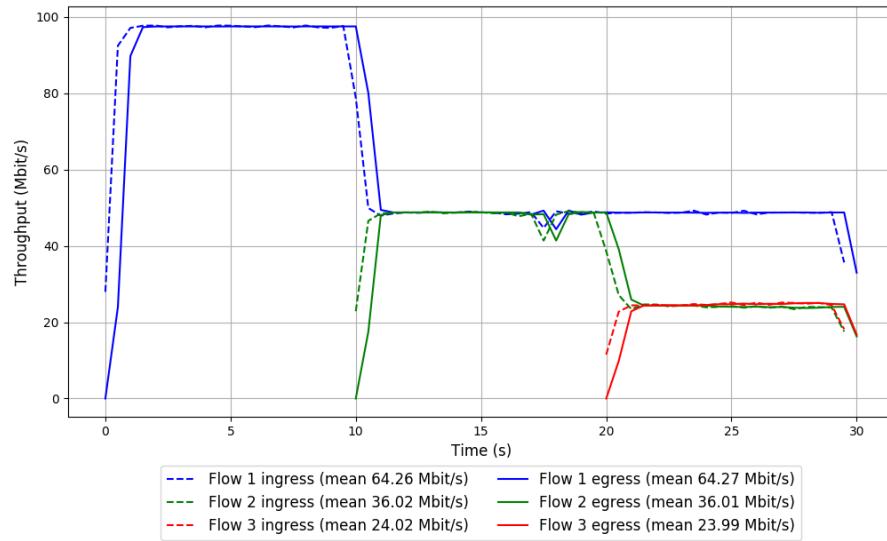


Run 3: Statistics of Indigo

```
Start at: 2018-05-22 16:14:43
End at: 2018-05-22 16:15:13
Local clock offset: 0.896 ms
Remote clock offset: -2.244 ms

# Below is generated by plot.py at 2018-05-22 19:12:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 42.603 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 64.27 Mbit/s
95th percentile per-packet one-way delay: 39.934 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 50.224 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 37.854 ms
Loss rate: 0.72%
```

Run 3: Report of Indigo — Data Link

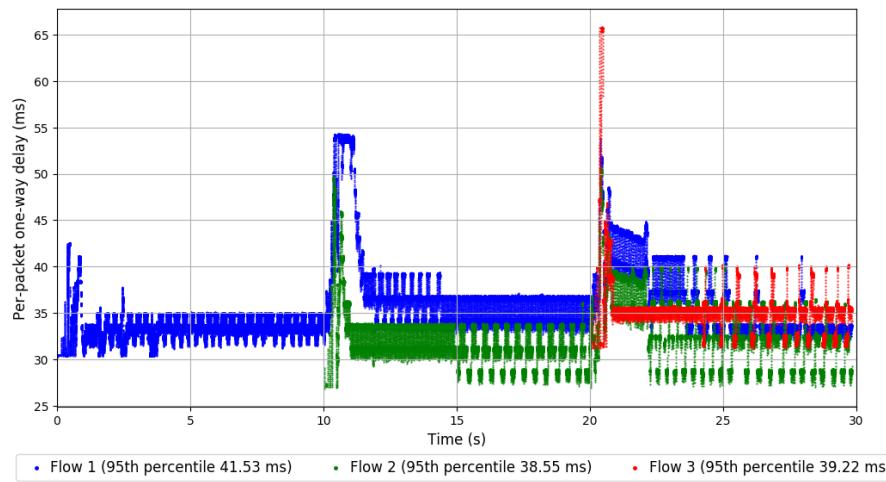
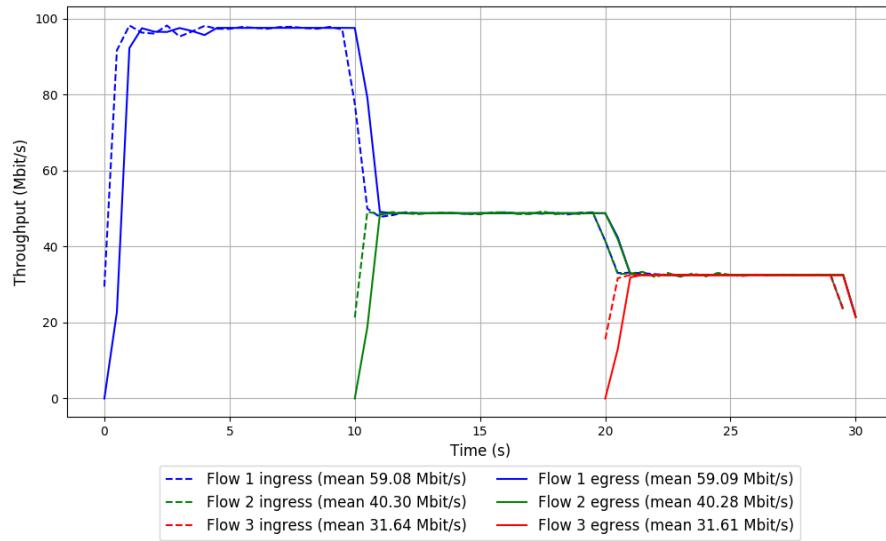


Run 4: Statistics of Indigo

```
Start at: 2018-05-22 16:36:03
End at: 2018-05-22 16:36:33
Local clock offset: 1.097 ms
Remote clock offset: 1.073 ms

# Below is generated by plot.py at 2018-05-22 19:12:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 40.802 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 41.534 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 38.555 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 39.221 ms
Loss rate: 0.69%
```

Run 4: Report of Indigo — Data Link

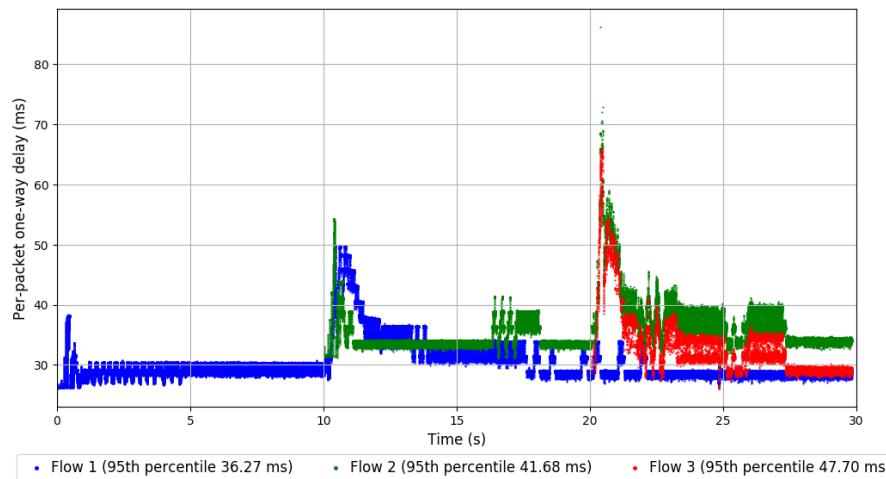
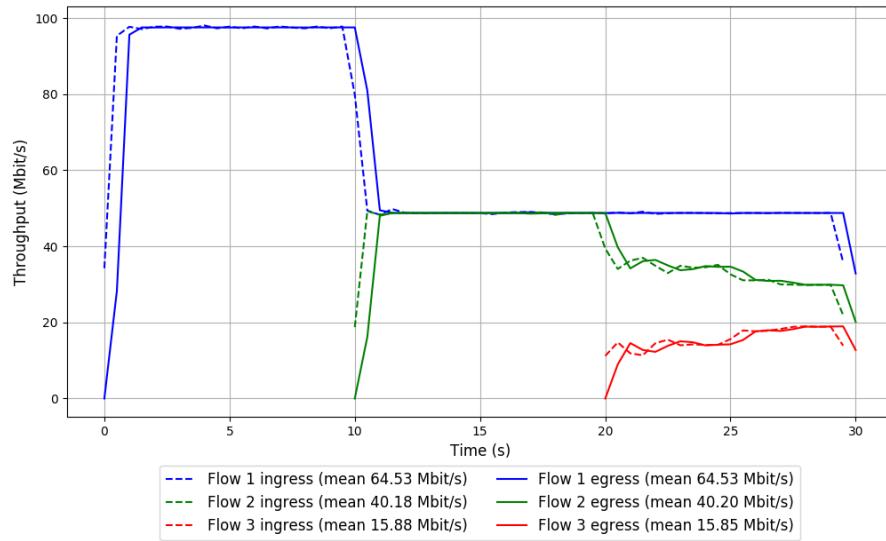


Run 5: Statistics of Indigo

```
Start at: 2018-05-22 16:57:25
End at: 2018-05-22 16:57:55
Local clock offset: 1.127 ms
Remote clock offset: -1.788 ms

# Below is generated by plot.py at 2018-05-22 19:13:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 39.291 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 64.53 Mbit/s
95th percentile per-packet one-way delay: 36.267 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 41.679 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 15.85 Mbit/s
95th percentile per-packet one-way delay: 47.699 ms
Loss rate: 0.78%
```

Run 5: Report of Indigo — Data Link

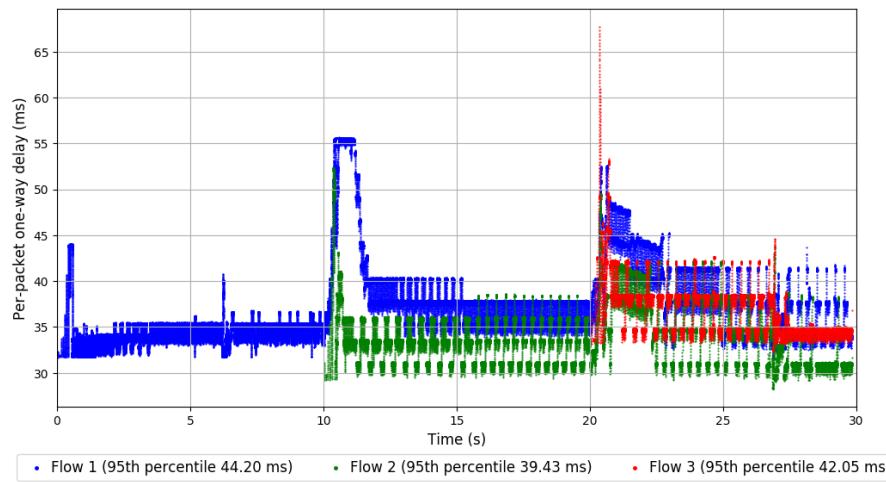
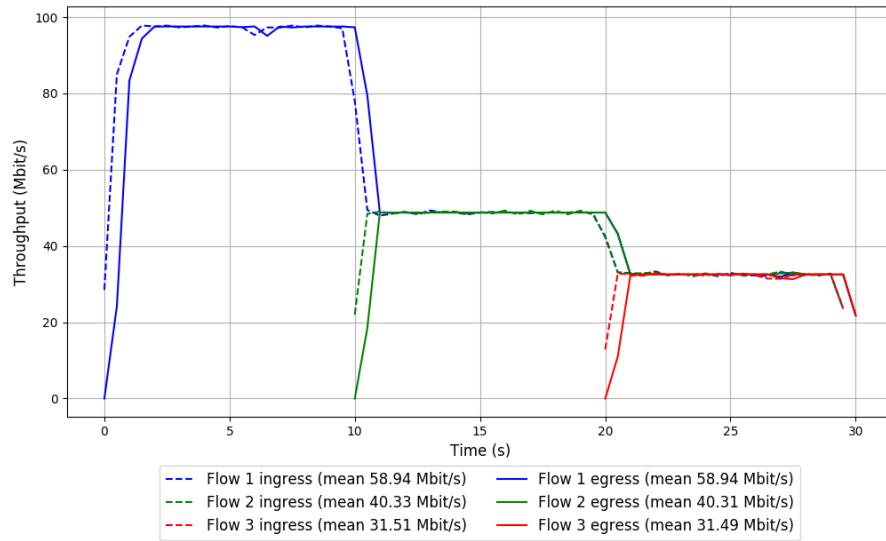


Run 6: Statistics of Indigo

```
Start at: 2018-05-22 17:18:57
End at: 2018-05-22 17:19:27
Local clock offset: 1.261 ms
Remote clock offset: -10.716 ms

# Below is generated by plot.py at 2018-05-22 19:13:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 42.104 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 44.196 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.31 Mbit/s
95th percentile per-packet one-way delay: 39.434 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 42.055 ms
Loss rate: 0.66%
```

Run 6: Report of Indigo — Data Link

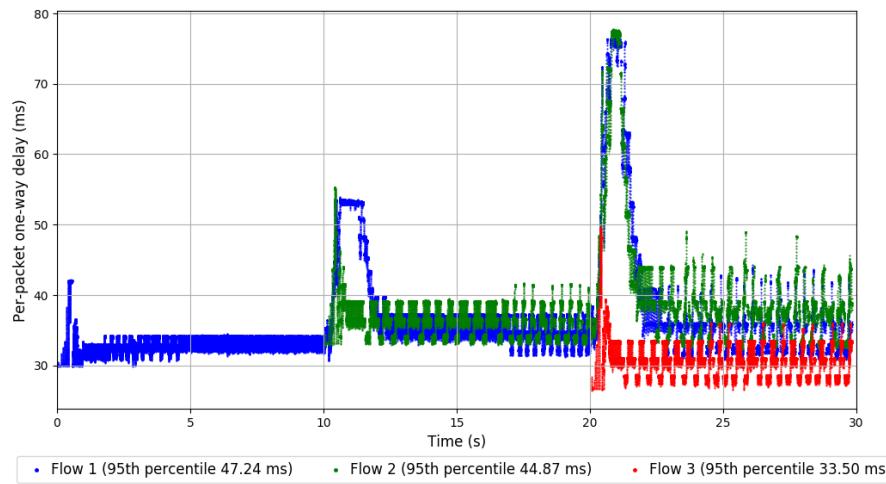
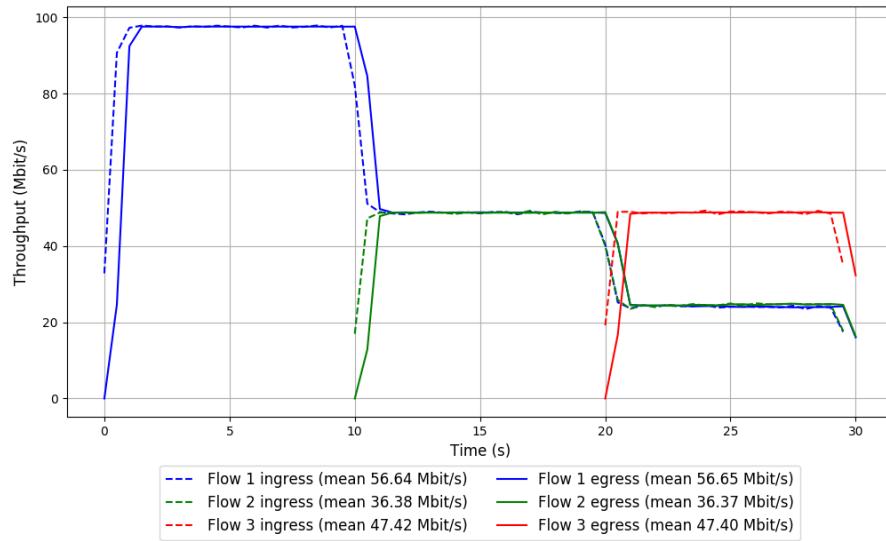


Run 7: Statistics of Indigo

```
Start at: 2018-05-22 17:40:13
End at: 2018-05-22 17:40:43
Local clock offset: 1.442 ms
Remote clock offset: -11.942 ms

# Below is generated by plot.py at 2018-05-22 19:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 43.857 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 47.242 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 44.872 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 47.40 Mbit/s
95th percentile per-packet one-way delay: 33.501 ms
Loss rate: 0.61%
```

Run 7: Report of Indigo — Data Link

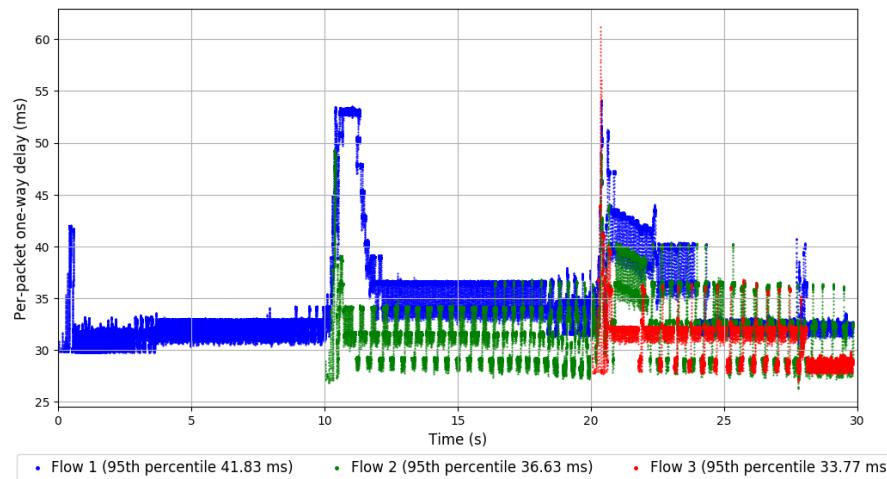
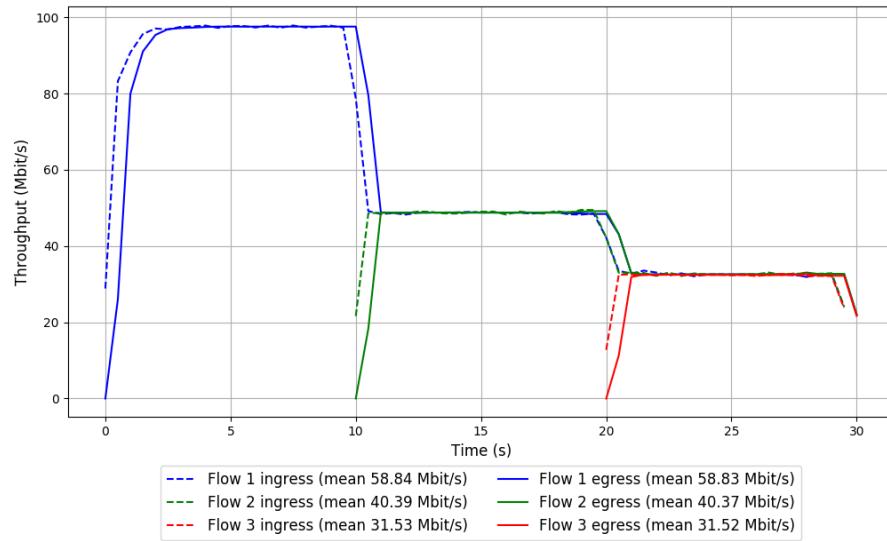


Run 8: Statistics of Indigo

```
Start at: 2018-05-22 18:01:42
End at: 2018-05-22 18:02:12
Local clock offset: 1.368 ms
Remote clock offset: -14.823 ms

# Below is generated by plot.py at 2018-05-22 19:13:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 39.892 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 58.83 Mbit/s
95th percentile per-packet one-way delay: 41.828 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 40.37 Mbit/s
95th percentile per-packet one-way delay: 36.626 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 31.52 Mbit/s
95th percentile per-packet one-way delay: 33.769 ms
Loss rate: 0.62%
```

Run 8: Report of Indigo — Data Link

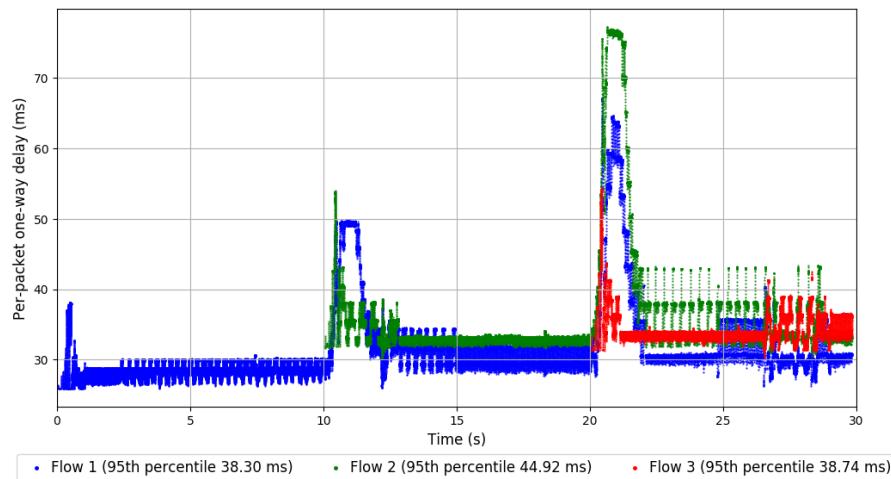
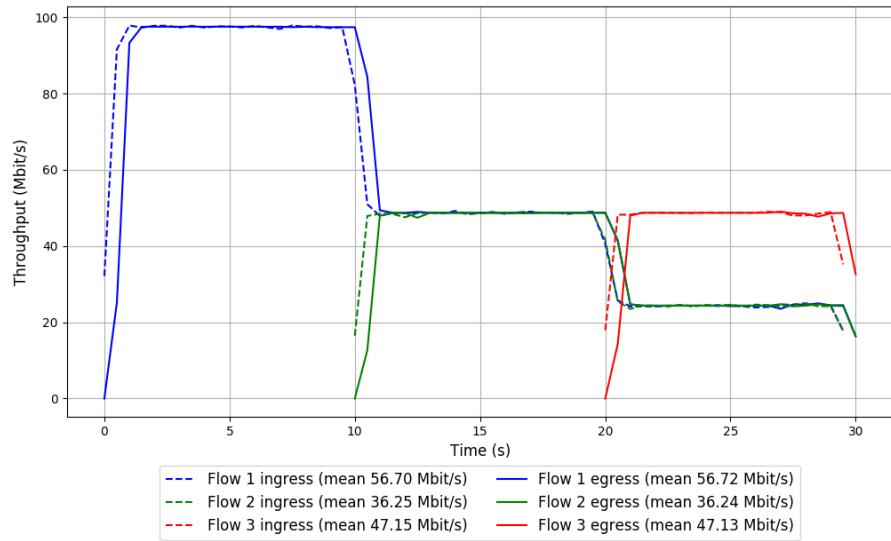


Run 9: Statistics of Indigo

```
Start at: 2018-05-22 18:23:08
End at: 2018-05-22 18:23:38
Local clock offset: 1.336 ms
Remote clock offset: 1.822 ms

# Below is generated by plot.py at 2018-05-22 19:14:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 40.031 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 38.303 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 36.24 Mbit/s
95th percentile per-packet one-way delay: 44.917 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 47.13 Mbit/s
95th percentile per-packet one-way delay: 38.736 ms
Loss rate: 0.66%
```

Run 9: Report of Indigo — Data Link

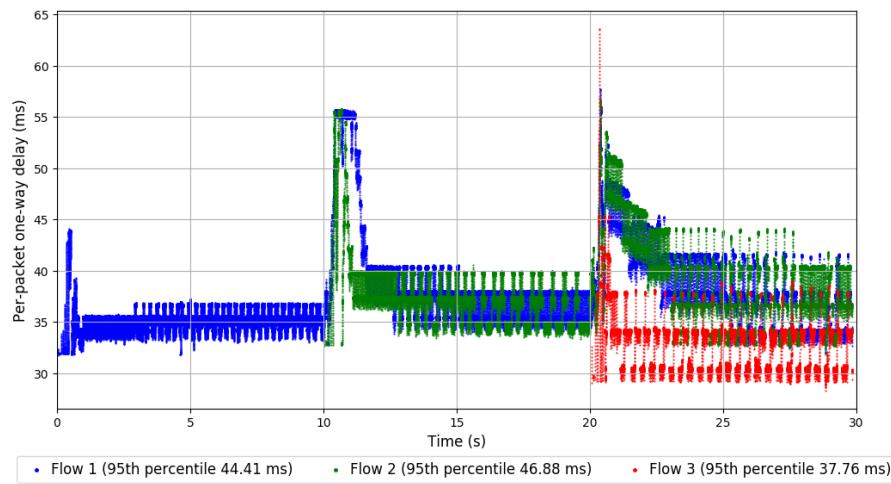
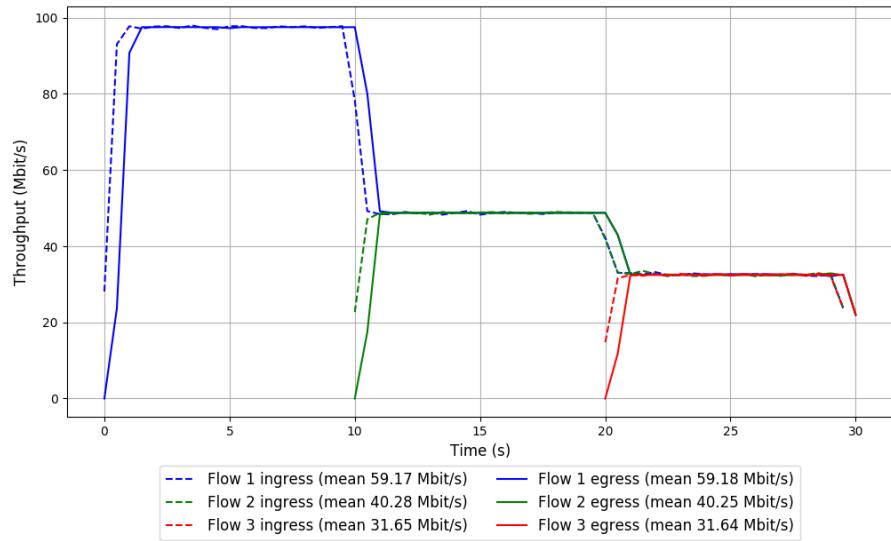


Run 10: Statistics of Indigo

```
Start at: 2018-05-22 18:44:41
End at: 2018-05-22 18:45:11
Local clock offset: 0.786 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-05-22 19:14:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 44.605 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 59.18 Mbit/s
95th percentile per-packet one-way delay: 44.405 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 46.881 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 37.755 ms
Loss rate: 0.61%
```

Run 10: Report of Indigo — Data Link

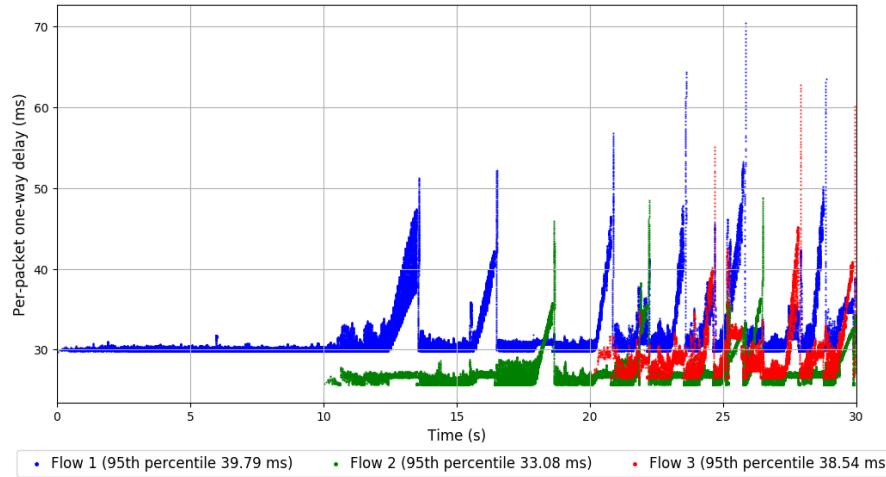
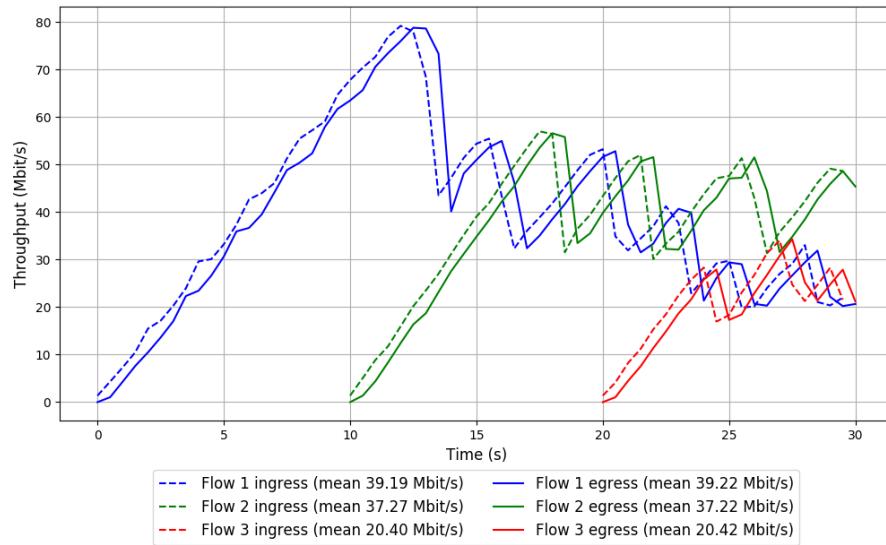


Run 1: Statistics of LEDBAT

```
Start at: 2018-05-22 15:42:39
End at: 2018-05-22 15:43:09
Local clock offset: 1.397 ms
Remote clock offset: -0.812 ms

# Below is generated by plot.py at 2018-05-22 19:14:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.75 Mbit/s
95th percentile per-packet one-way delay: 37.742 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 39.787 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 33.075 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 20.42 Mbit/s
95th percentile per-packet one-way delay: 38.544 ms
Loss rate: 0.50%
```

Run 1: Report of LEDBAT — Data Link

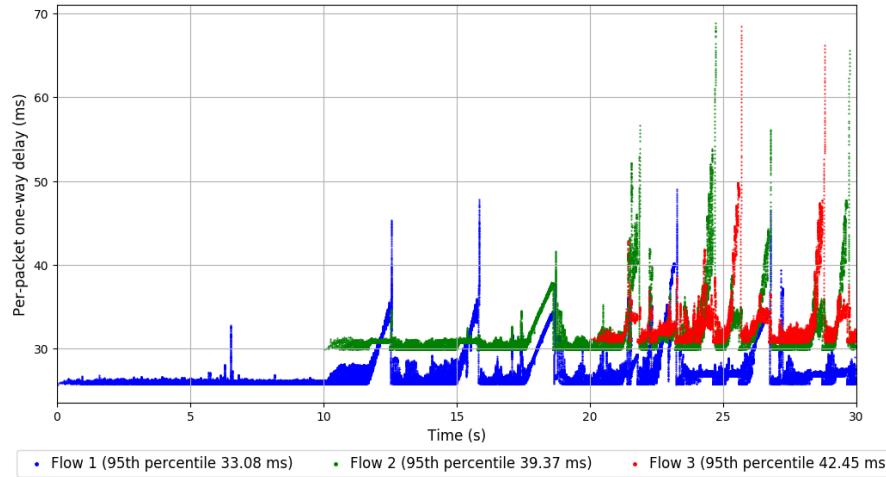
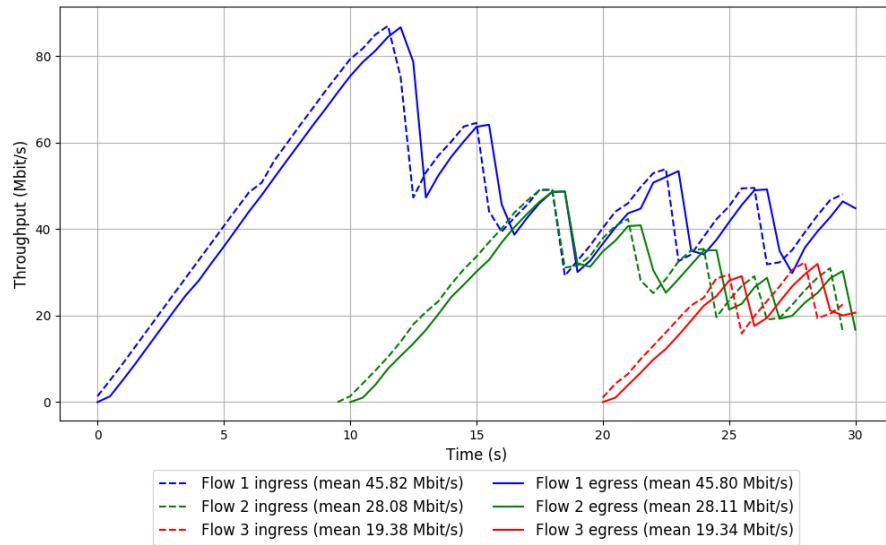


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-22 16:03:55
End at: 2018-05-22 16:04:25
Local clock offset: 1.227 ms
Remote clock offset: -0.563 ms

# Below is generated by plot.py at 2018-05-22 19:14:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.90 Mbit/s
95th percentile per-packet one-way delay: 35.429 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 33.080 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 28.11 Mbit/s
95th percentile per-packet one-way delay: 39.369 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 19.34 Mbit/s
95th percentile per-packet one-way delay: 42.451 ms
Loss rate: 0.82%
```

Run 2: Report of LEDBAT — Data Link

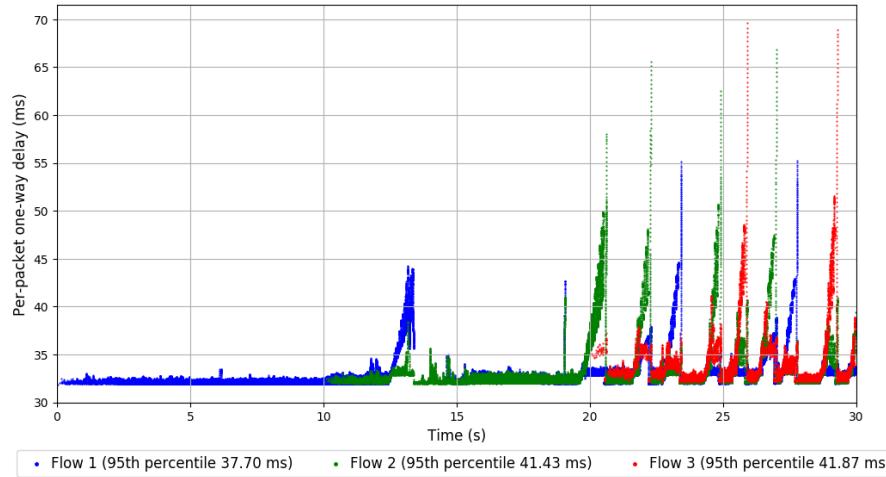
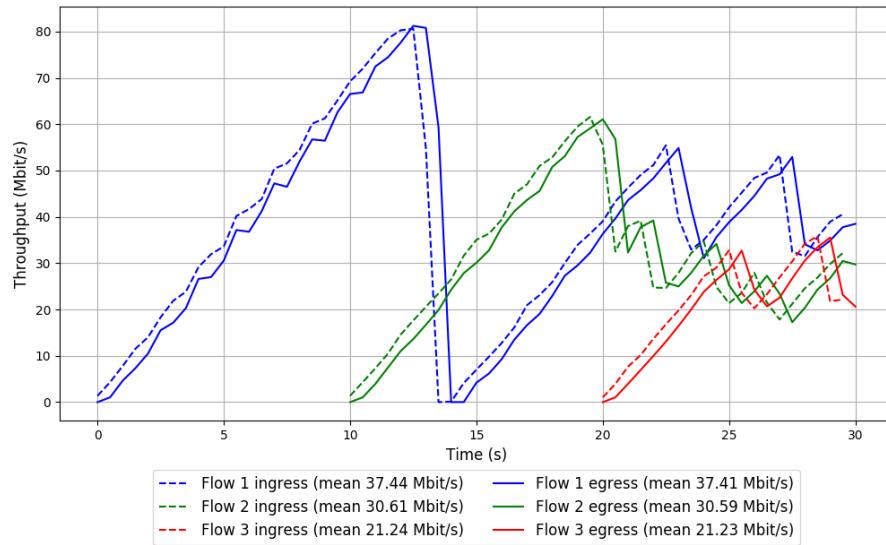


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-22 16:25:18
End at: 2018-05-22 16:25:48
Local clock offset: 0.886 ms
Remote clock offset: -1.795 ms

# Below is generated by plot.py at 2018-05-22 19:14:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.79 Mbit/s
95th percentile per-packet one-way delay: 39.342 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 37.695 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 41.429 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 21.23 Mbit/s
95th percentile per-packet one-way delay: 41.871 ms
Loss rate: 0.71%
```

Run 3: Report of LEDBAT — Data Link

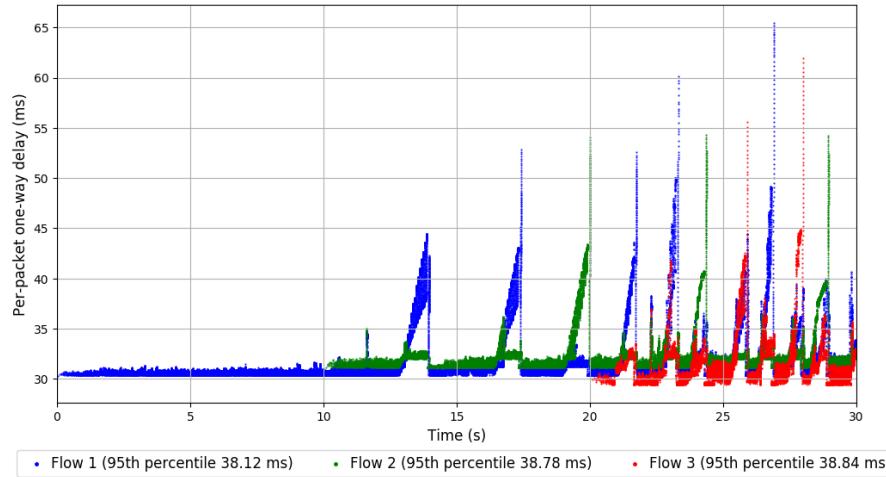
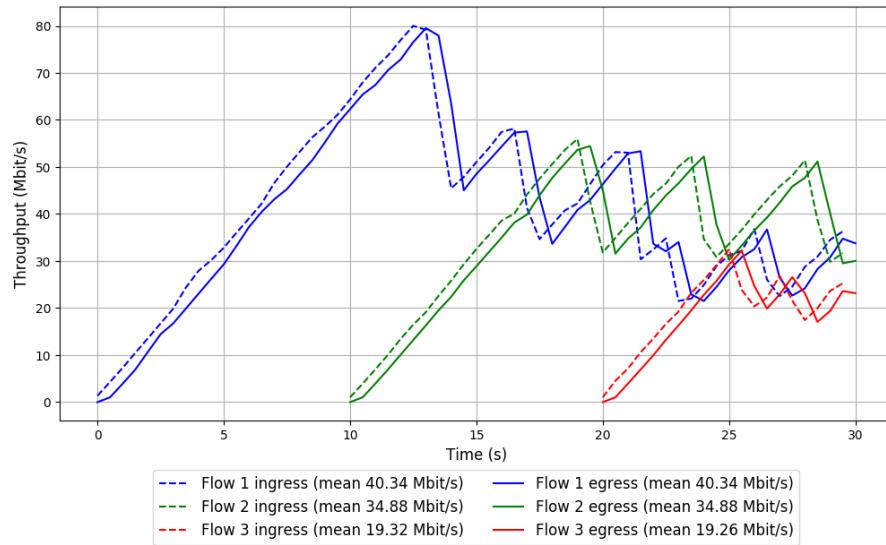


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-22 16:46:35
End at: 2018-05-22 16:47:05
Local clock offset: 1.204 ms
Remote clock offset: 1.268 ms

# Below is generated by plot.py at 2018-05-22 19:14:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.93 Mbit/s
95th percentile per-packet one-way delay: 38.515 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 38.124 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 34.88 Mbit/s
95th percentile per-packet one-way delay: 38.783 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 38.840 ms
Loss rate: 0.90%
```

Run 4: Report of LEDBAT — Data Link

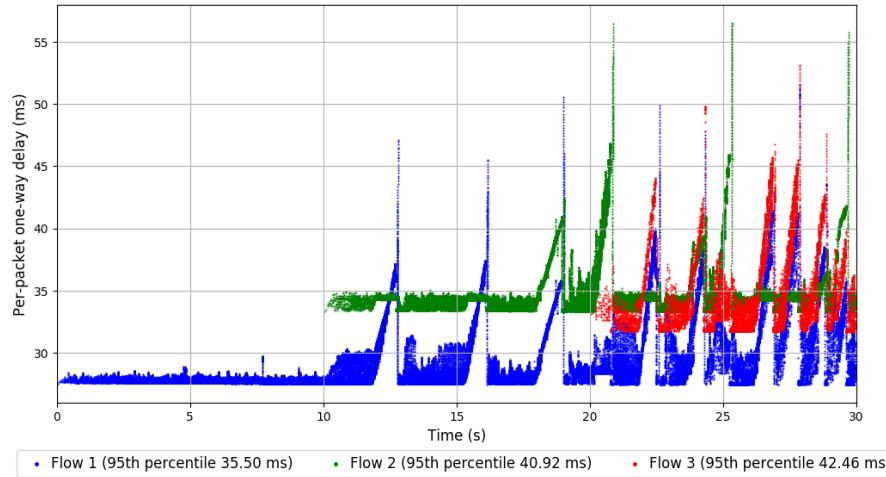
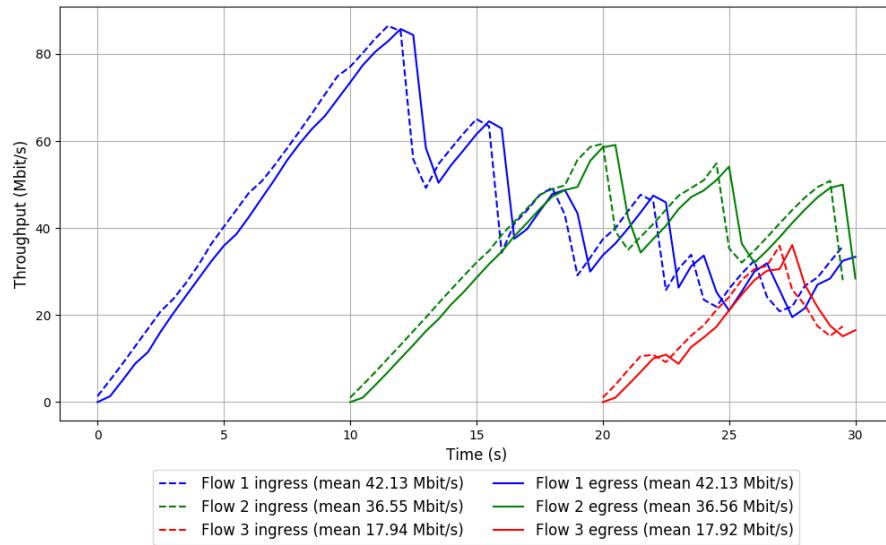


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-22 17:08:11
End at: 2018-05-22 17:08:41
Local clock offset: 0.93 ms
Remote clock offset: -8.369 ms

# Below is generated by plot.py at 2018-05-22 19:14:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.40 Mbit/s
95th percentile per-packet one-way delay: 39.069 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 42.13 Mbit/s
95th percentile per-packet one-way delay: 35.500 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 40.918 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 17.92 Mbit/s
95th percentile per-packet one-way delay: 42.462 ms
Loss rate: 0.70%
```

Run 5: Report of LEDBAT — Data Link

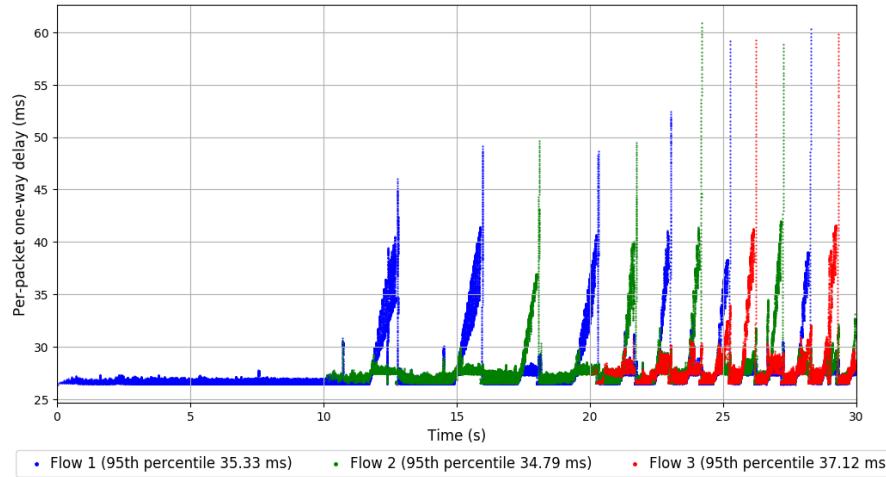
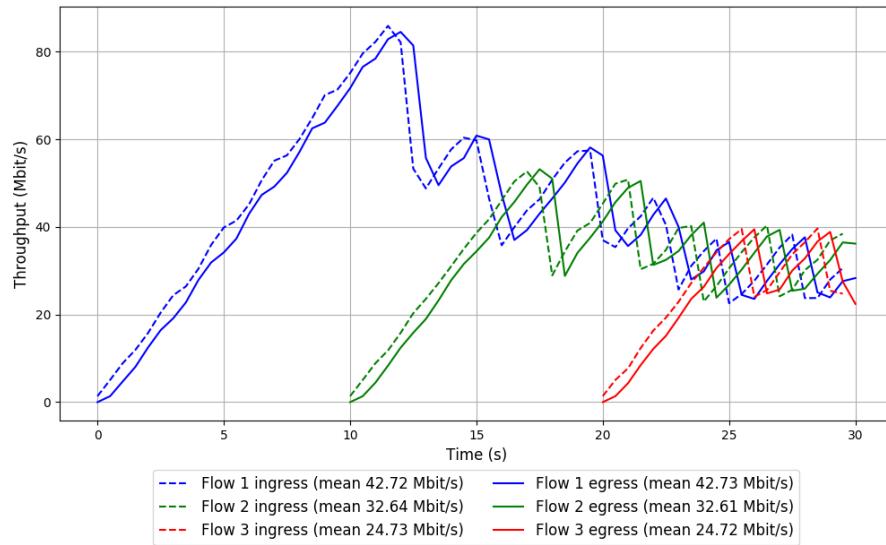


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-22 17:29:29
End at: 2018-05-22 17:29:59
Local clock offset: 1.577 ms
Remote clock offset: -10.514 ms

# Below is generated by plot.py at 2018-05-22 19:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.62 Mbit/s
95th percentile per-packet one-way delay: 35.280 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 42.73 Mbit/s
95th percentile per-packet one-way delay: 35.330 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 34.792 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 37.119 ms
Loss rate: 0.63%
```

Run 6: Report of LEDBAT — Data Link

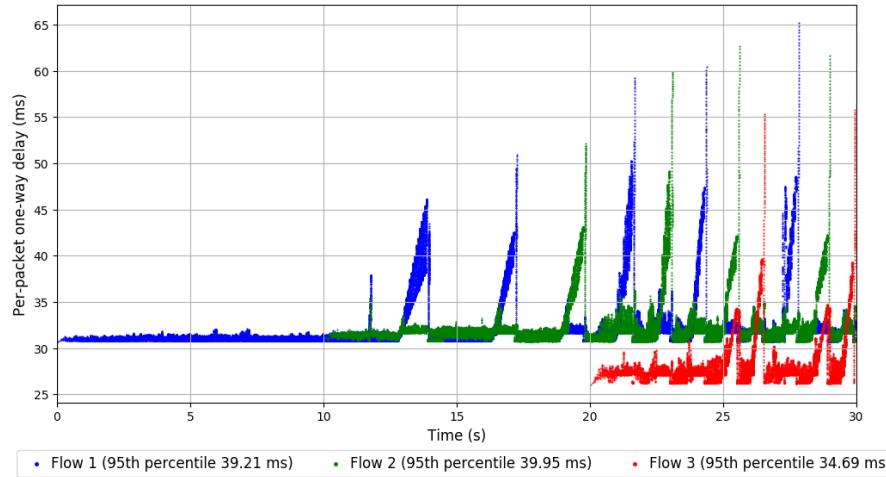
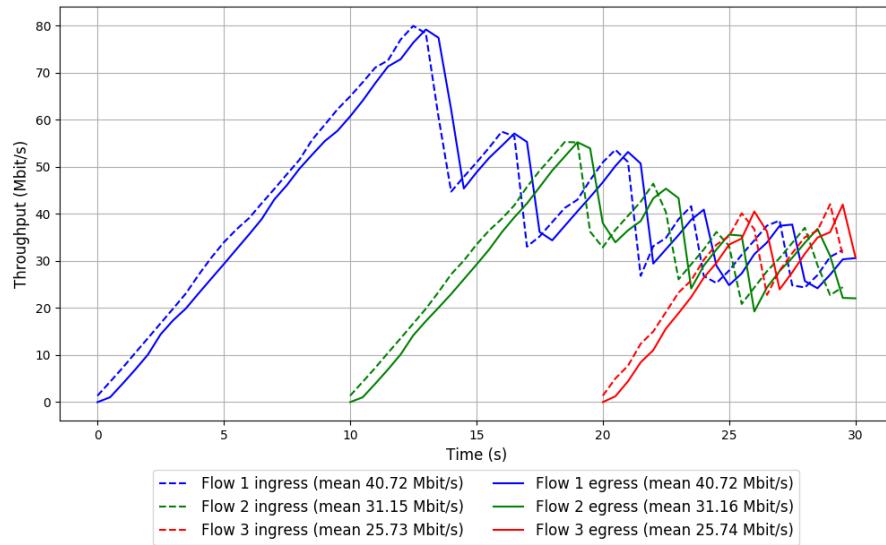


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-22 17:50:58
End at: 2018-05-22 17:51:28
Local clock offset: 1.331 ms
Remote clock offset: -13.375 ms

# Below is generated by plot.py at 2018-05-22 19:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.98 Mbit/s
95th percentile per-packet one-way delay: 39.103 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 39.212 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 39.947 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 25.74 Mbit/s
95th percentile per-packet one-way delay: 34.685 ms
Loss rate: 0.54%
```

Run 7: Report of LEDBAT — Data Link

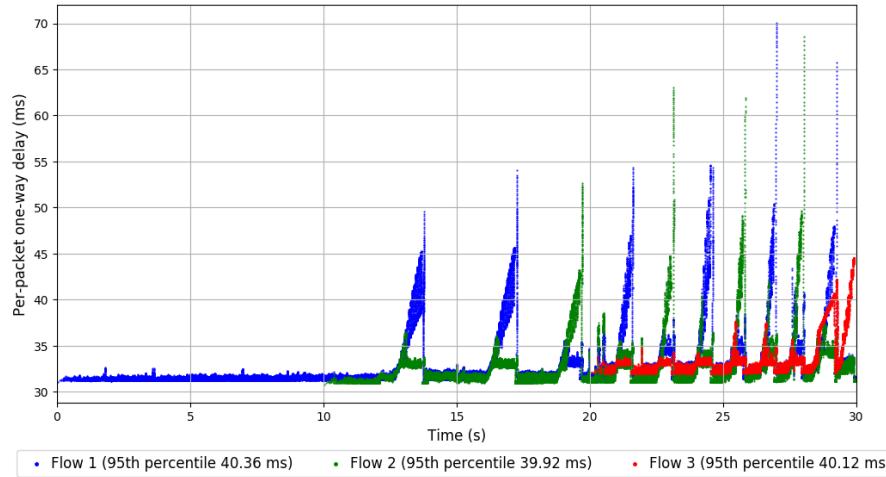
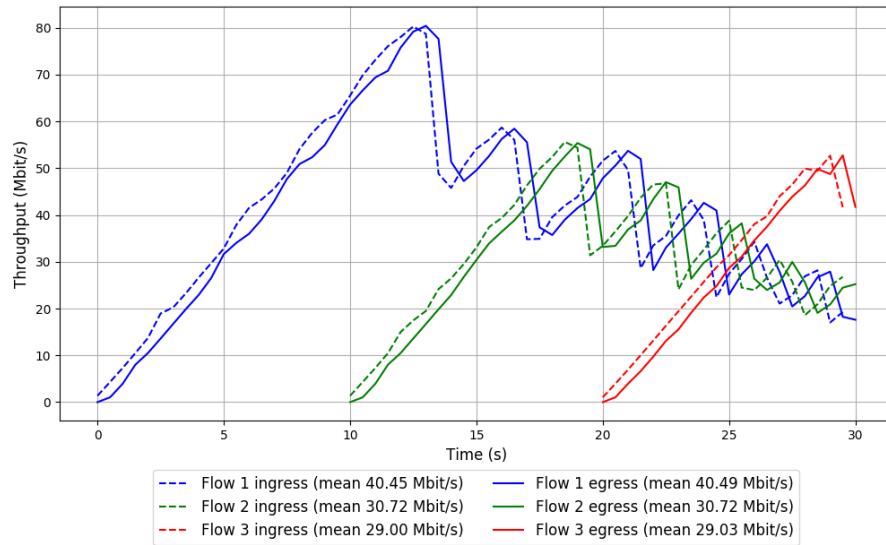


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-22 18:12:15
End at: 2018-05-22 18:12:45
Local clock offset: 1.453 ms
Remote clock offset: -3.721 ms

# Below is generated by plot.py at 2018-05-22 19:14:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.49 Mbit/s
95th percentile per-packet one-way delay: 40.187 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 40.356 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 39.919 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 29.03 Mbit/s
95th percentile per-packet one-way delay: 40.117 ms
Loss rate: 0.65%
```

Run 8: Report of LEDBAT — Data Link

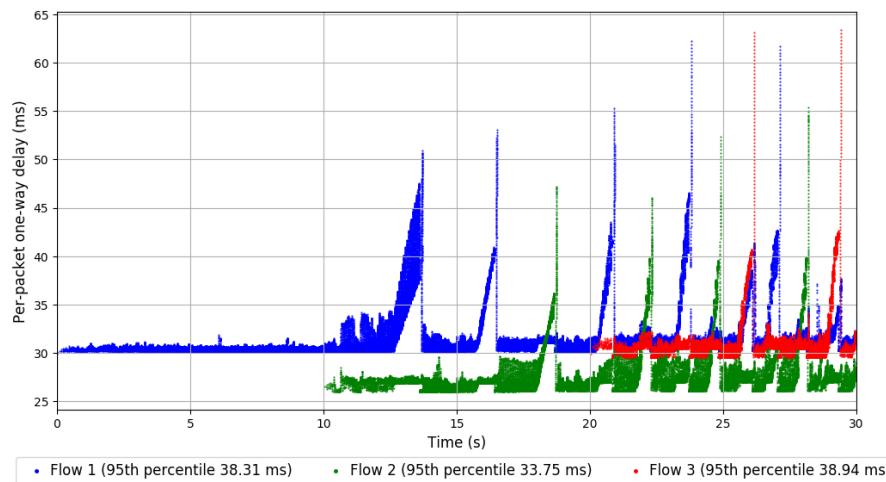
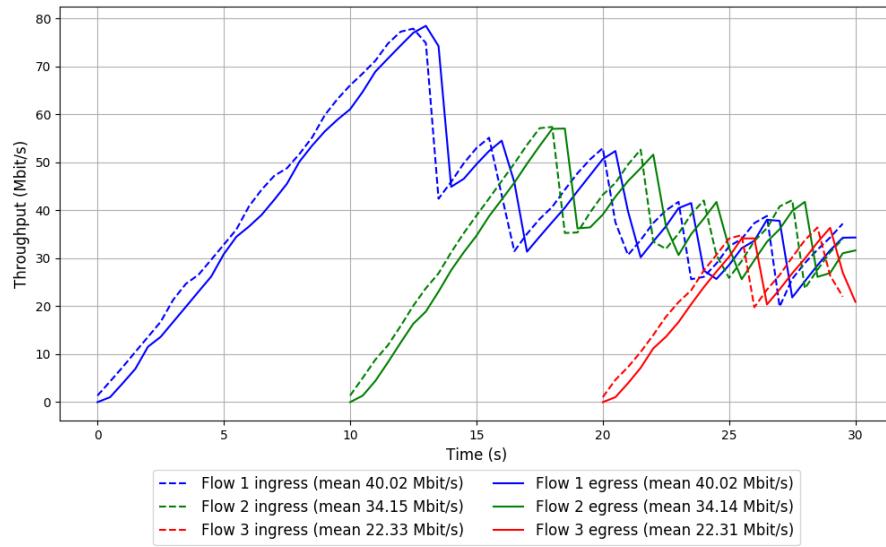


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-22 18:33:40
End at: 2018-05-22 18:34:10
Local clock offset: 0.944 ms
Remote clock offset: 4.511 ms

# Below is generated by plot.py at 2018-05-22 19:14:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.13 Mbit/s
95th percentile per-packet one-way delay: 37.220 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 40.02 Mbit/s
95th percentile per-packet one-way delay: 38.315 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 34.14 Mbit/s
95th percentile per-packet one-way delay: 33.748 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 22.31 Mbit/s
95th percentile per-packet one-way delay: 38.938 ms
Loss rate: 0.66%
```

Run 9: Report of LEDBAT — Data Link

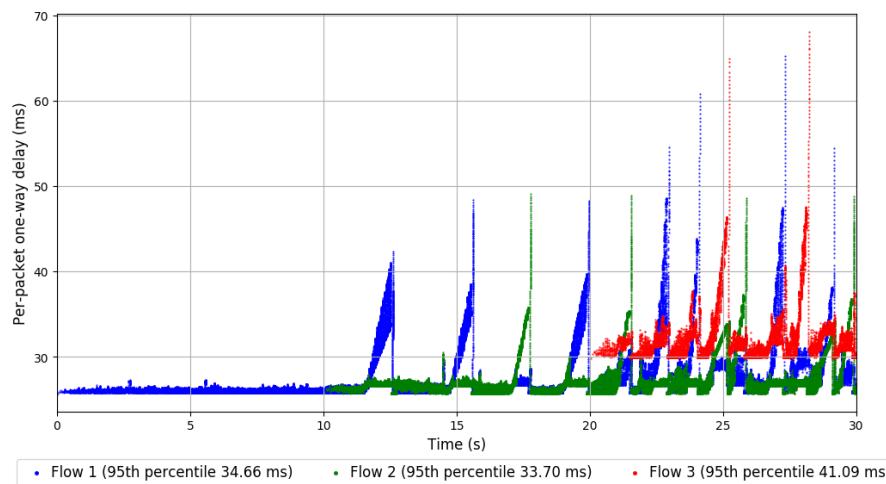
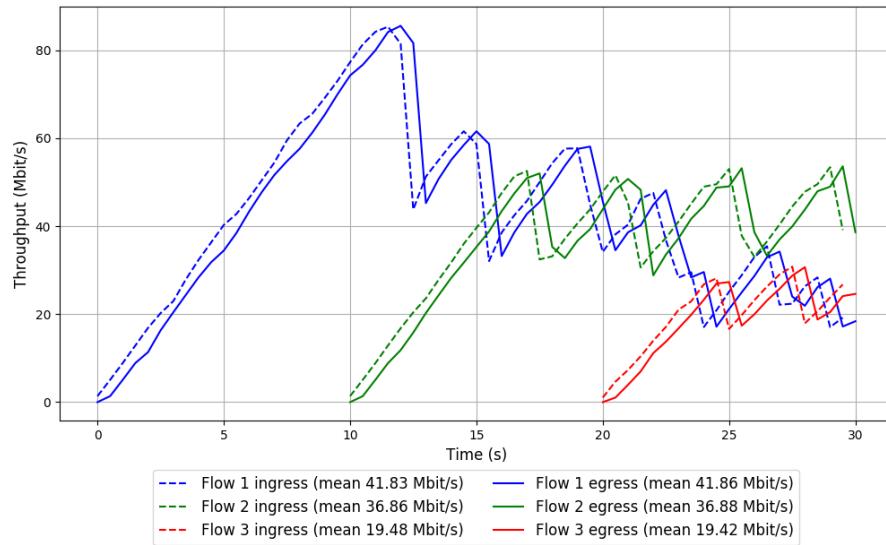


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-22 18:55:15
End at: 2018-05-22 18:55:45
Local clock offset: 0.665 ms
Remote clock offset: 1.177 ms

# Below is generated by plot.py at 2018-05-22 19:14:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.83 Mbit/s
95th percentile per-packet one-way delay: 34.729 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 41.86 Mbit/s
95th percentile per-packet one-way delay: 34.658 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 33.704 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 19.42 Mbit/s
95th percentile per-packet one-way delay: 41.089 ms
Loss rate: 0.91%
```

Run 10: Report of LEDBAT — Data Link

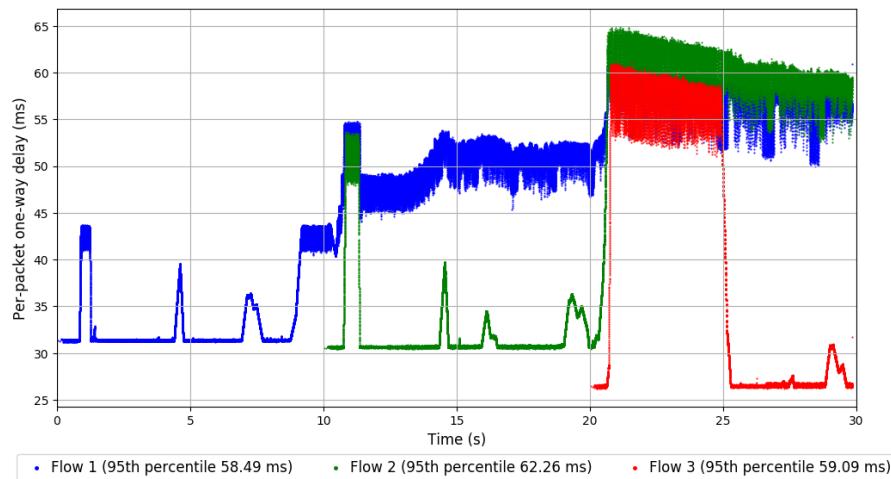
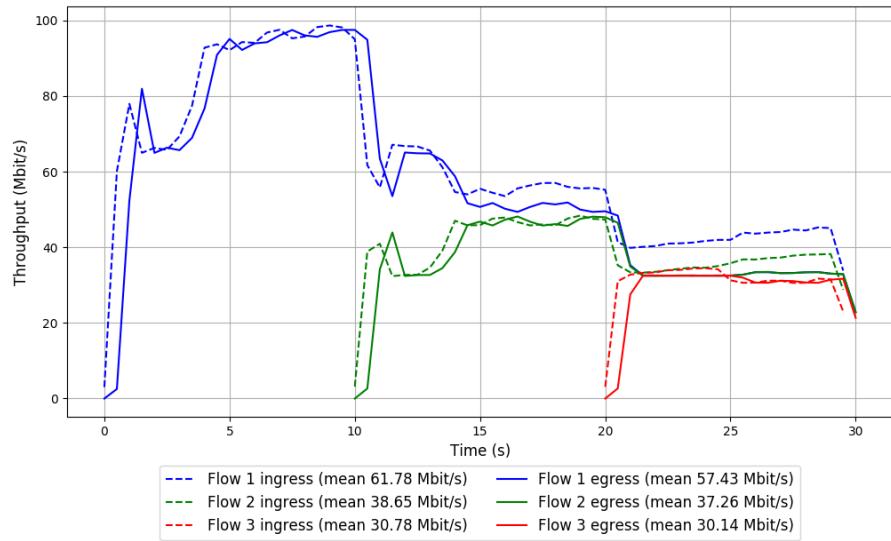


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-05-22 15:36:04
End at: 2018-05-22 15:36:34
Local clock offset: 1.143 ms
Remote clock offset: -0.84 ms

# Below is generated by plot.py at 2018-05-22 19:15:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 60.095 ms
Loss rate: 5.88%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 58.491 ms
Loss rate: 7.23%
-- Flow 2:
Average throughput: 37.26 Mbit/s
95th percentile per-packet one-way delay: 62.256 ms
Loss rate: 3.92%
-- Flow 3:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 59.089 ms
Loss rate: 2.57%
```

Run 1: Report of PCC-Allegro — Data Link

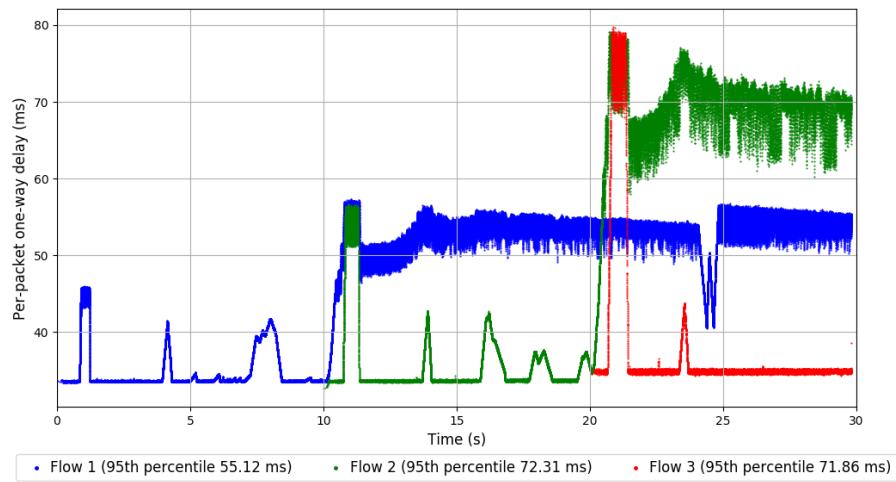
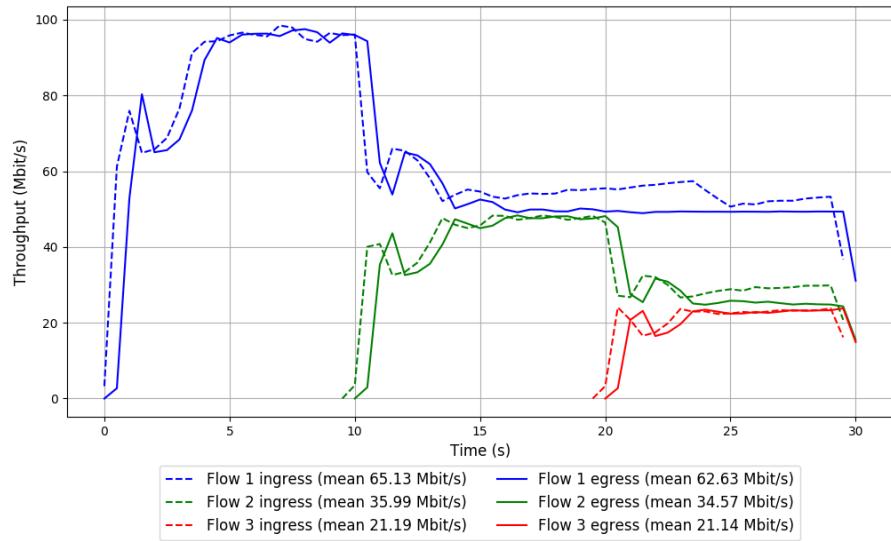


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-22 15:57:19
End at: 2018-05-22 15:57:49
Local clock offset: 1.501 ms
Remote clock offset: -2.706 ms

# Below is generated by plot.py at 2018-05-22 19:15:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.57 Mbit/s
95th percentile per-packet one-way delay: 69.253 ms
Loss rate: 3.89%
-- Flow 1:
Average throughput: 62.63 Mbit/s
95th percentile per-packet one-way delay: 55.124 ms
Loss rate: 4.06%
-- Flow 2:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 72.306 ms
Loss rate: 4.31%
-- Flow 3:
Average throughput: 21.14 Mbit/s
95th percentile per-packet one-way delay: 71.860 ms
Loss rate: 0.80%
```

Run 2: Report of PCC-Allegro — Data Link

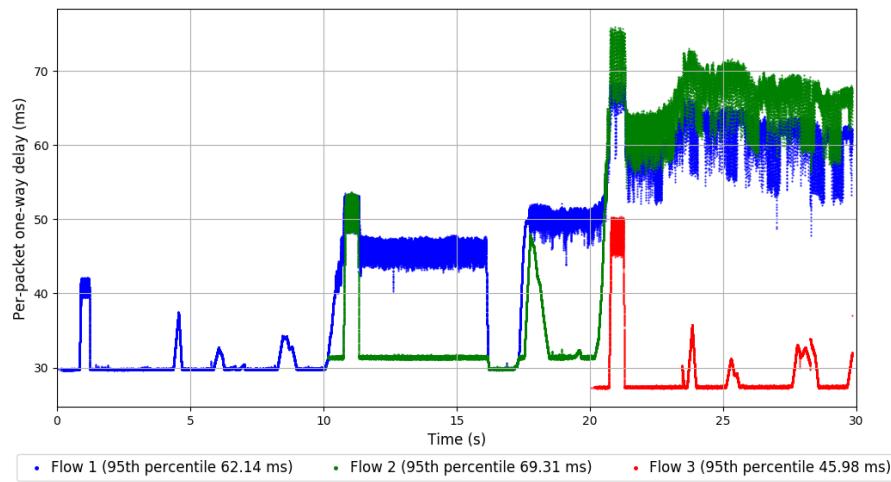
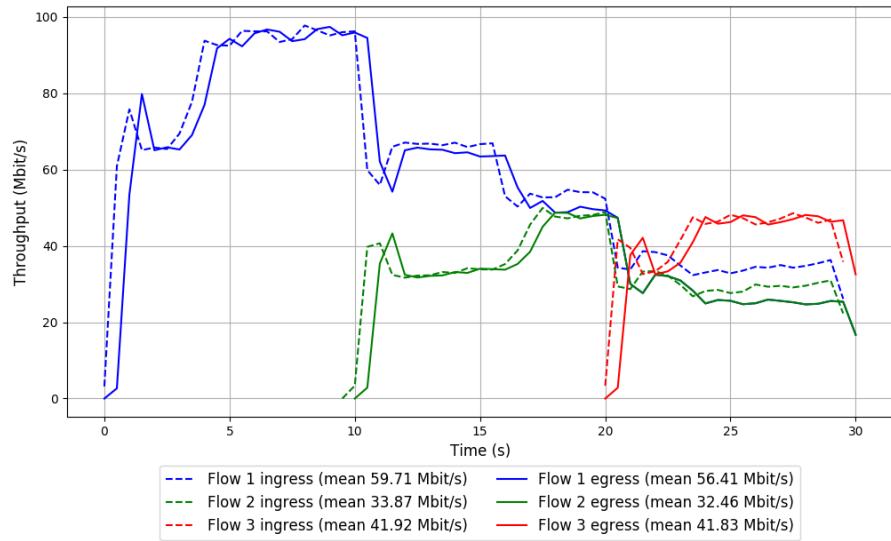


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-22 16:18:40
End at: 2018-05-22 16:19:10
Local clock offset: 0.885 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-05-22 19:15:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 65.758 ms
Loss rate: 4.73%
-- Flow 1:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 62.141 ms
Loss rate: 5.74%
-- Flow 2:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 69.308 ms
Loss rate: 4.51%
-- Flow 3:
Average throughput: 41.83 Mbit/s
95th percentile per-packet one-way delay: 45.976 ms
Loss rate: 0.75%
```

Run 3: Report of PCC-Allegro — Data Link

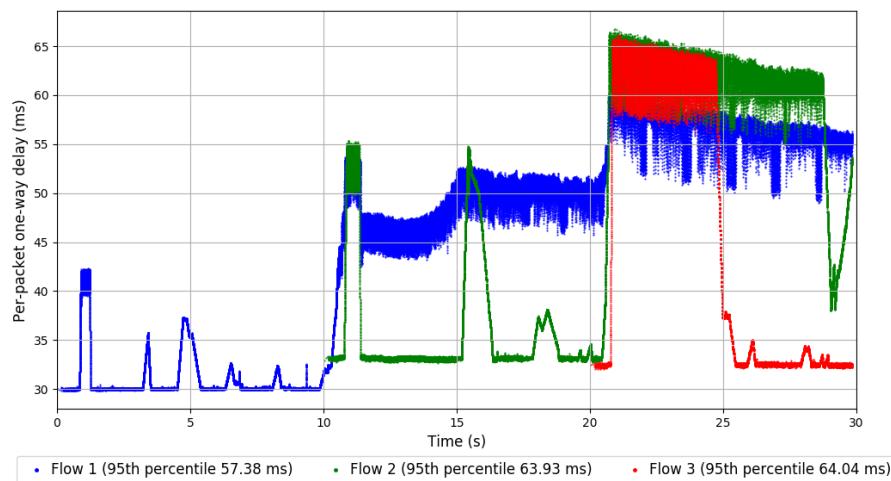
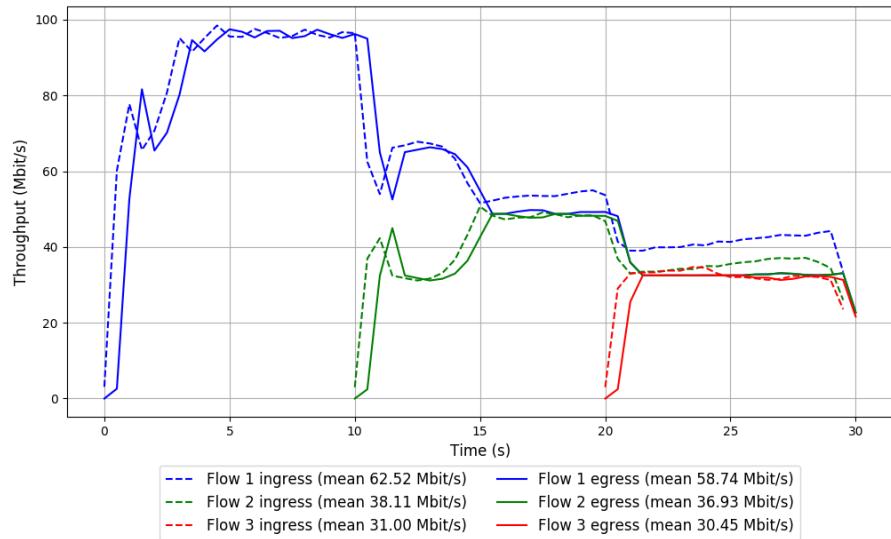


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-22 16:39:59
End at: 2018-05-22 16:40:29
Local clock offset: 1.156 ms
Remote clock offset: 0.707 ms

# Below is generated by plot.py at 2018-05-22 19:15:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 62.573 ms
Loss rate: 5.12%
-- Flow 1:
Average throughput: 58.74 Mbit/s
95th percentile per-packet one-way delay: 57.375 ms
Loss rate: 6.25%
-- Flow 2:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 63.930 ms
Loss rate: 3.41%
-- Flow 3:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 64.043 ms
Loss rate: 2.43%
```

Run 4: Report of PCC-Allegro — Data Link

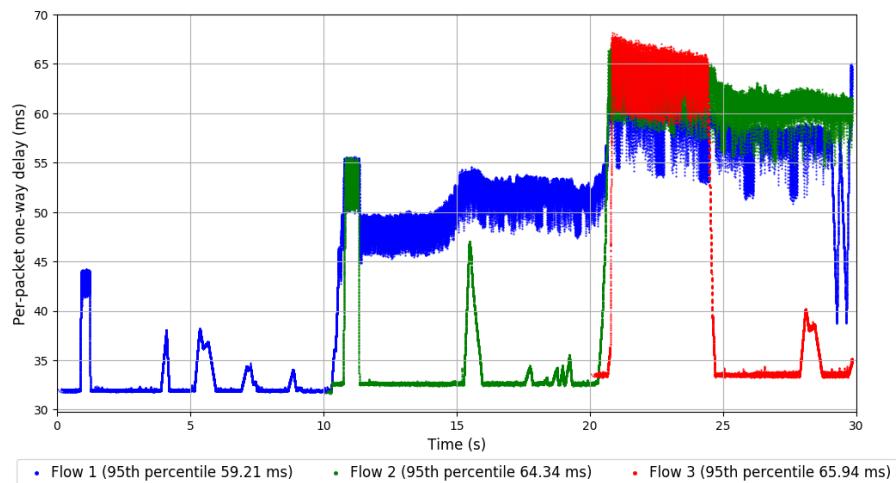
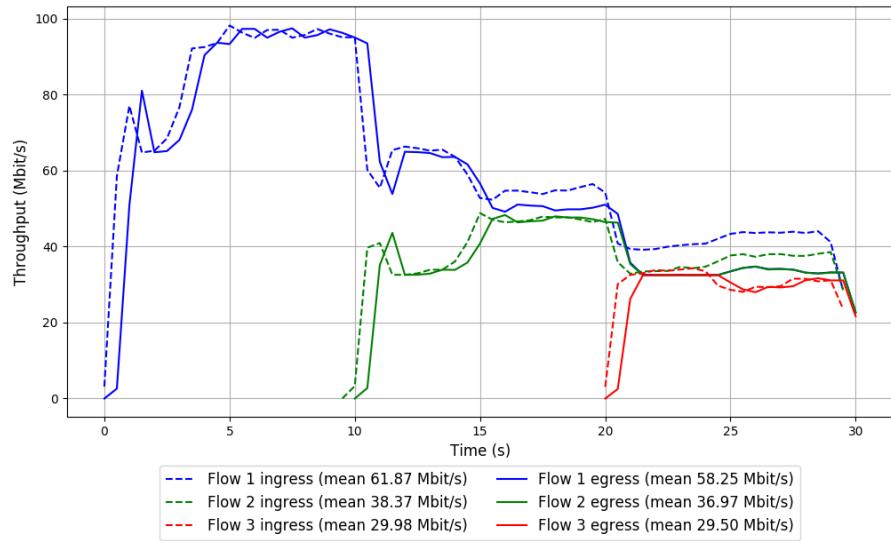


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-22 17:01:29
End at: 2018-05-22 17:01:59
Local clock offset: 0.968 ms
Remote clock offset: -6.024 ms

# Below is generated by plot.py at 2018-05-22 19:15:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 63.284 ms
Loss rate: 5.12%
-- Flow 1:
Average throughput: 58.25 Mbit/s
95th percentile per-packet one-way delay: 59.211 ms
Loss rate: 6.07%
-- Flow 2:
Average throughput: 36.97 Mbit/s
95th percentile per-packet one-way delay: 64.344 ms
Loss rate: 3.96%
-- Flow 3:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 65.939 ms
Loss rate: 2.21%
```

Run 5: Report of PCC-Allegro — Data Link

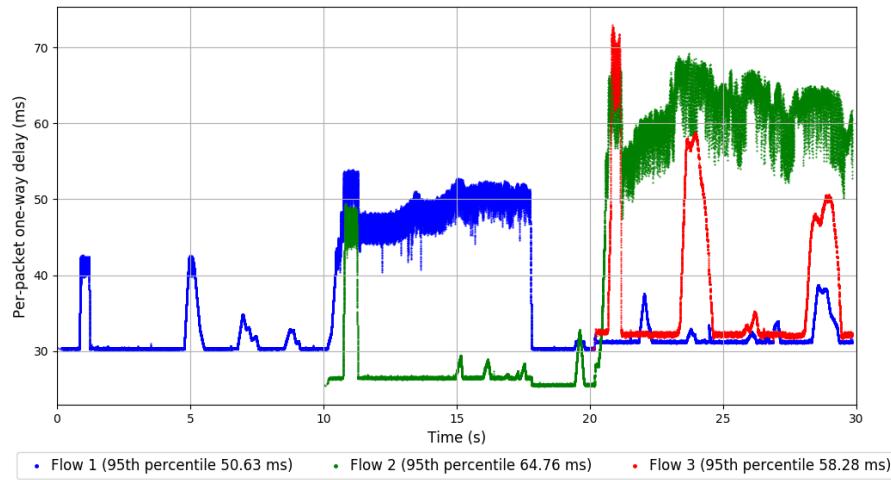
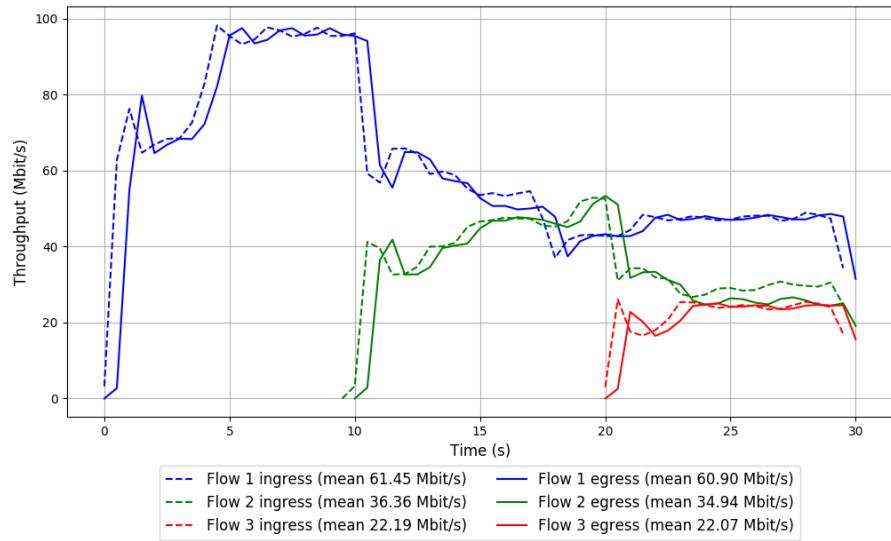


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-22 17:22:53
End at: 2018-05-22 17:23:23
Local clock offset: 1.452 ms
Remote clock offset: -9.286 ms

# Below is generated by plot.py at 2018-05-22 19:15:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.38 Mbit/s
95th percentile per-packet one-way delay: 60.894 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 60.90 Mbit/s
95th percentile per-packet one-way delay: 50.626 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 64.762 ms
Loss rate: 4.19%
-- Flow 3:
Average throughput: 22.07 Mbit/s
95th percentile per-packet one-way delay: 58.281 ms
Loss rate: 1.12%
```

Run 6: Report of PCC-Allegro — Data Link

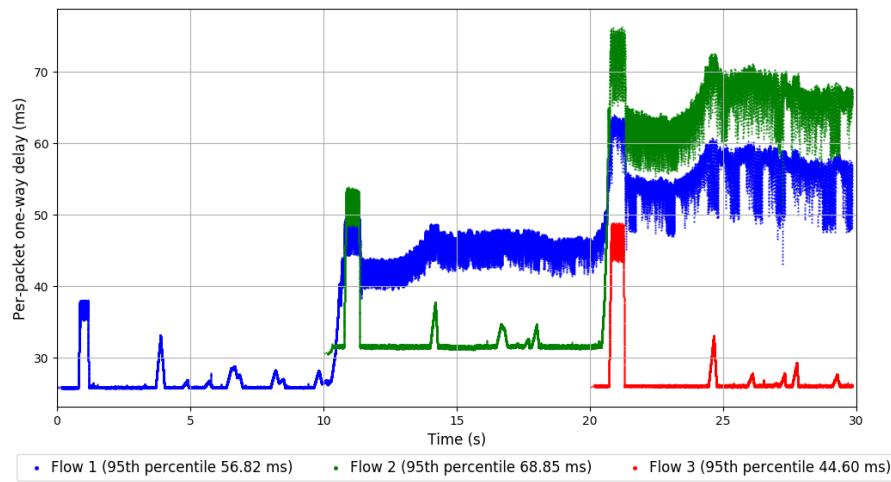
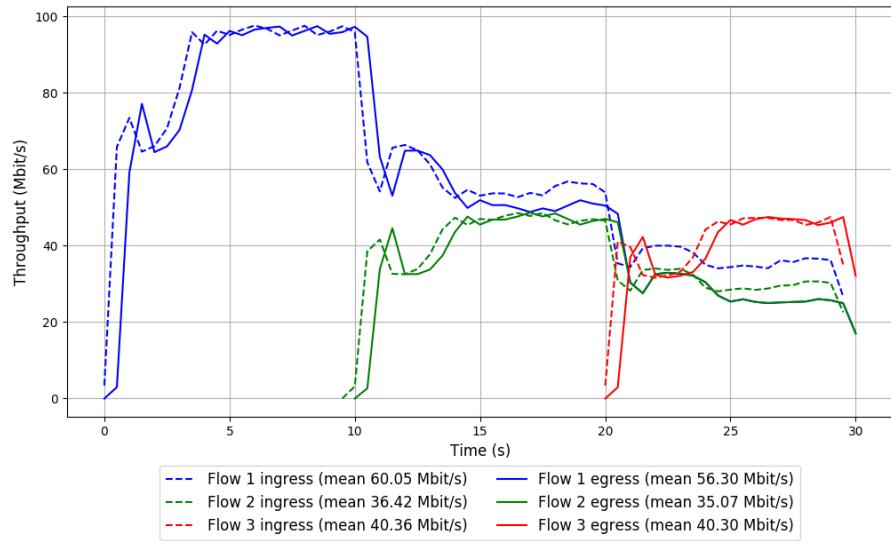


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-22 17:44:23
End at: 2018-05-22 17:44:53
Local clock offset: 1.347 ms
Remote clock offset: -12.067 ms

# Below is generated by plot.py at 2018-05-22 19:15:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.85 Mbit/s
95th percentile per-packet one-way delay: 64.459 ms
Loss rate: 5.06%
-- Flow 1:
Average throughput: 56.30 Mbit/s
95th percentile per-packet one-way delay: 56.822 ms
Loss rate: 6.44%
-- Flow 2:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 68.849 ms
Loss rate: 4.05%
-- Flow 3:
Average throughput: 40.30 Mbit/s
95th percentile per-packet one-way delay: 44.602 ms
Loss rate: 0.70%
```

Run 7: Report of PCC-Allegro — Data Link

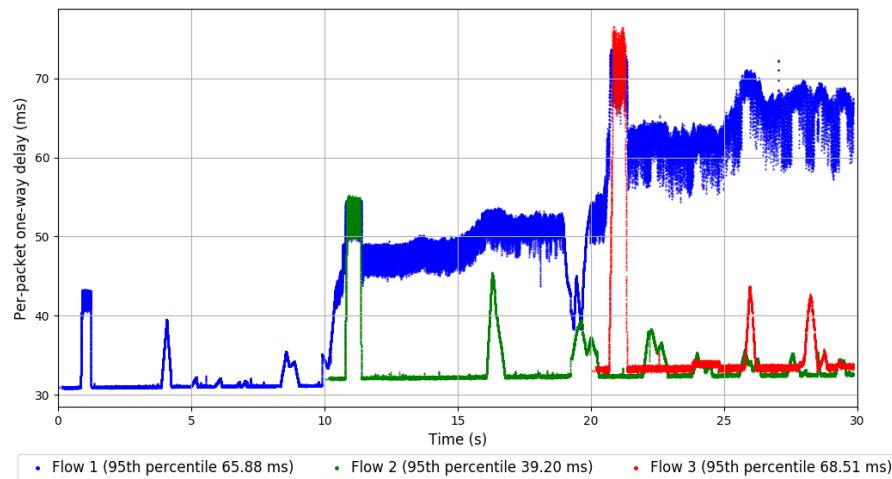
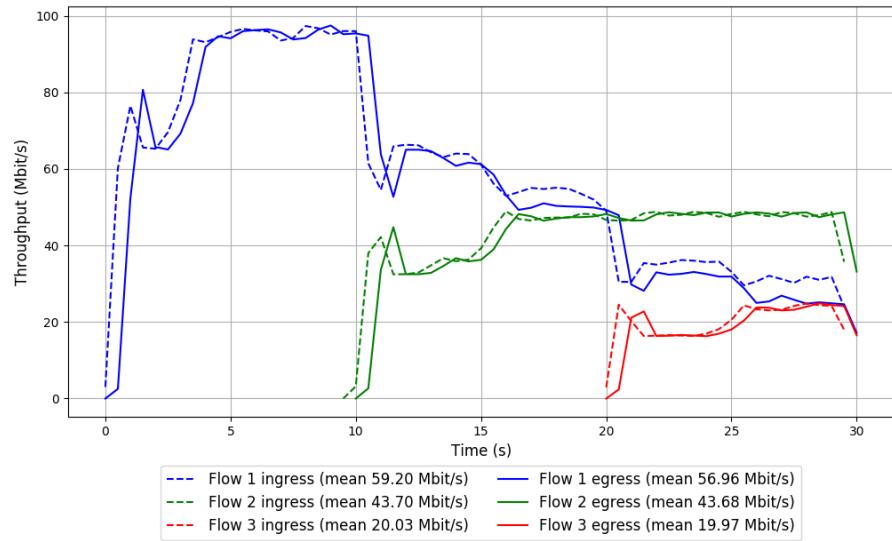


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-22 18:05:39
End at: 2018-05-22 18:06:09
Local clock offset: 1.367 ms
Remote clock offset: -10.378 ms

# Below is generated by plot.py at 2018-05-22 19:15:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.55 Mbit/s
95th percentile per-packet one-way delay: 63.422 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 56.96 Mbit/s
95th percentile per-packet one-way delay: 65.877 ms
Loss rate: 3.99%
-- Flow 2:
Average throughput: 43.68 Mbit/s
95th percentile per-packet one-way delay: 39.195 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 19.97 Mbit/s
95th percentile per-packet one-way delay: 68.513 ms
Loss rate: 0.88%
```

Run 8: Report of PCC-Allegro — Data Link

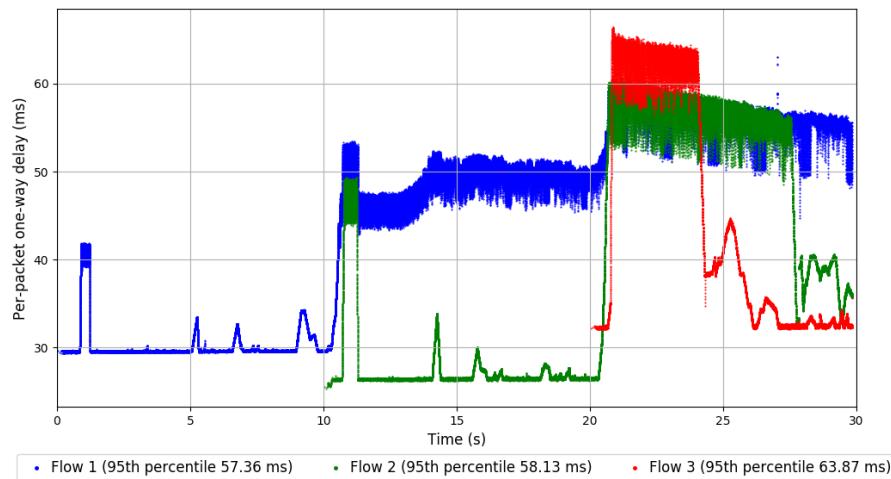
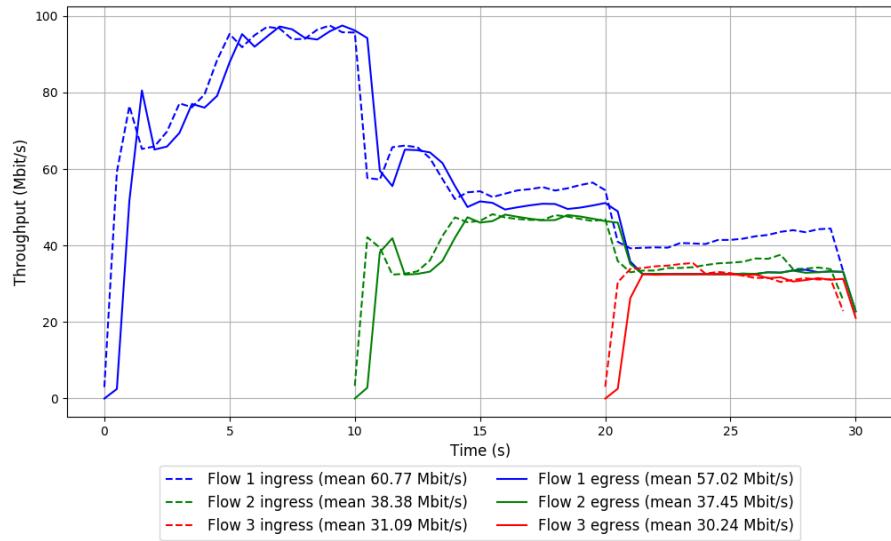


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-22 18:27:04
End at: 2018-05-22 18:27:34
Local clock offset: 1.358 ms
Remote clock offset: 2.887 ms

# Below is generated by plot.py at 2018-05-22 19:16:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 58.711 ms
Loss rate: 5.09%
-- Flow 1:
Average throughput: 57.02 Mbit/s
95th percentile per-packet one-way delay: 57.361 ms
Loss rate: 6.39%
-- Flow 2:
Average throughput: 37.45 Mbit/s
95th percentile per-packet one-way delay: 58.135 ms
Loss rate: 2.69%
-- Flow 3:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 63.874 ms
Loss rate: 3.31%
```

Run 9: Report of PCC-Allegro — Data Link

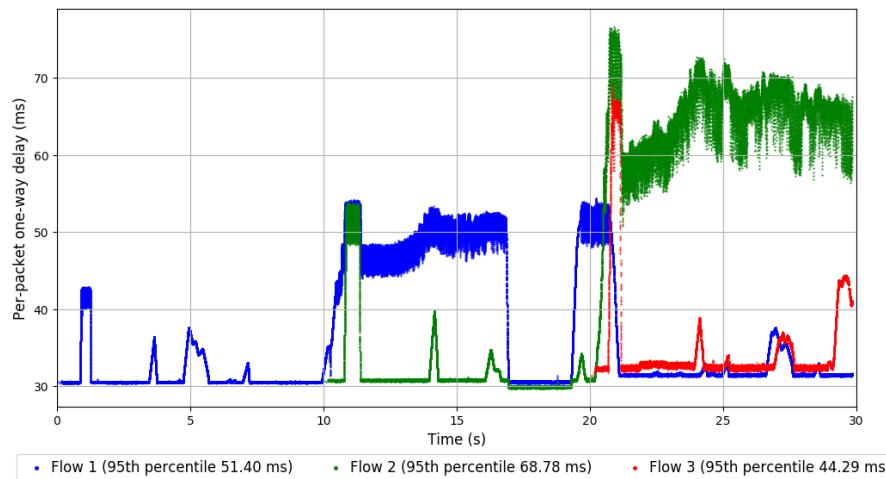
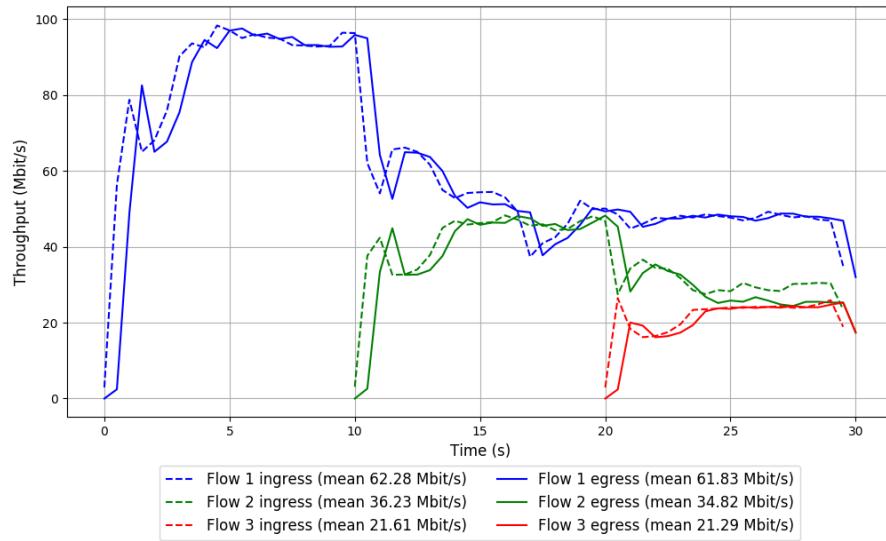


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-22 18:48:38
End at: 2018-05-22 18:49:08
Local clock offset: 0.724 ms
Remote clock offset: 1.415 ms

# Below is generated by plot.py at 2018-05-22 19:16:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 64.728 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 61.83 Mbit/s
95th percentile per-packet one-way delay: 51.399 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 34.82 Mbit/s
95th percentile per-packet one-way delay: 68.782 ms
Loss rate: 4.22%
-- Flow 3:
Average throughput: 21.29 Mbit/s
95th percentile per-packet one-way delay: 44.294 ms
Loss rate: 2.09%
```

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-05-22 15:33:30

End at: 2018-05-22 15:34:00

Local clock offset: 1.057 ms

Remote clock offset: -0.837 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-05-22 15:54:45

End at: 2018-05-22 15:55:15

Local clock offset: 1.437 ms

Remote clock offset: -0.2 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-05-22 16:16:05
End at: 2018-05-22 16:16:35
Local clock offset: 0.994 ms
Remote clock offset: -2.246 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-05-22 16:37:25

End at: 2018-05-22 16:37:55

Local clock offset: 1.055 ms

Remote clock offset: 0.616 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-05-22 16:58:52
End at: 2018-05-22 16:59:22
Local clock offset: 1.048 ms
Remote clock offset: -2.038 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-05-22 17:20:19
End at: 2018-05-22 17:20:49
Local clock offset: 1.426 ms
Remote clock offset: -8.867 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-05-22 17:41:35
End at: 2018-05-22 17:42:05
Local clock offset: 1.356 ms
Remote clock offset: -12.073 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-05-22 18:03:04
End at: 2018-05-22 18:03:34
Local clock offset: 1.46 ms
Remote clock offset: -14.219 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-05-22 18:24:31

End at: 2018-05-22 18:25:01

Local clock offset: 1.337 ms

Remote clock offset: 2.171 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-05-22 18:46:04

End at: 2018-05-22 18:46:34

Local clock offset: 0.765 ms

Remote clock offset: 2.154 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

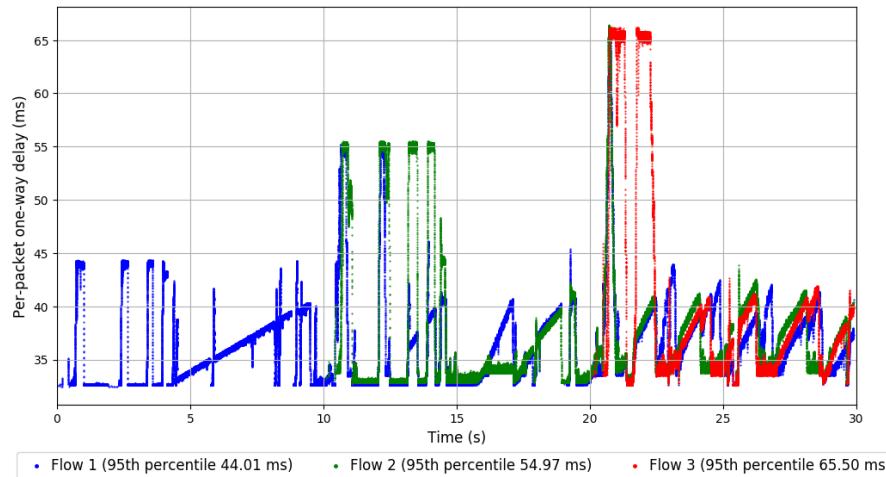
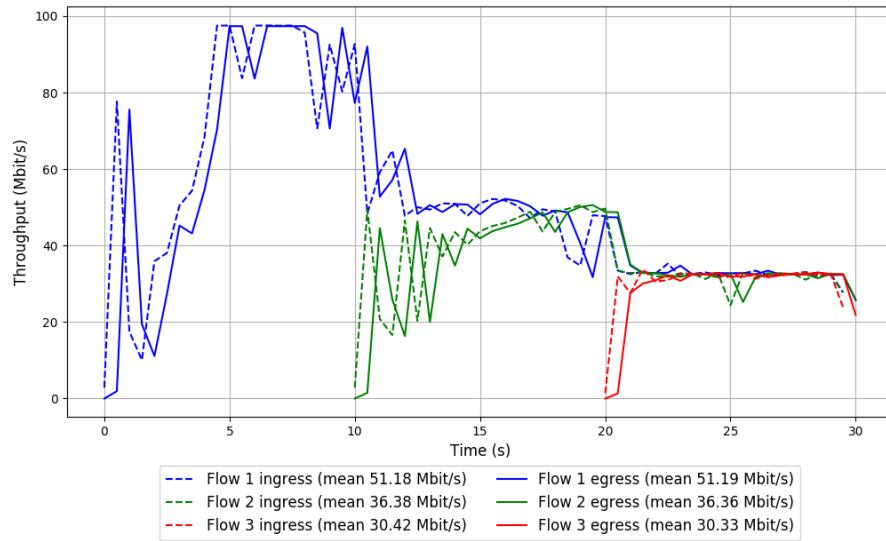
Figure is missing

```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2018-05-22 15:45:21
End at: 2018-05-22 15:45:51
Local clock offset: 1.446 ms
Remote clock offset: -2.817 ms

# Below is generated by plot.py at 2018-05-22 19:16:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.33 Mbit/s
95th percentile per-packet one-way delay: 51.520 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 51.19 Mbit/s
95th percentile per-packet one-way delay: 44.009 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: 54.974 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 30.33 Mbit/s
95th percentile per-packet one-way delay: 65.495 ms
Loss rate: 0.92%
```

Run 1: Report of QUIC Cubic — Data Link

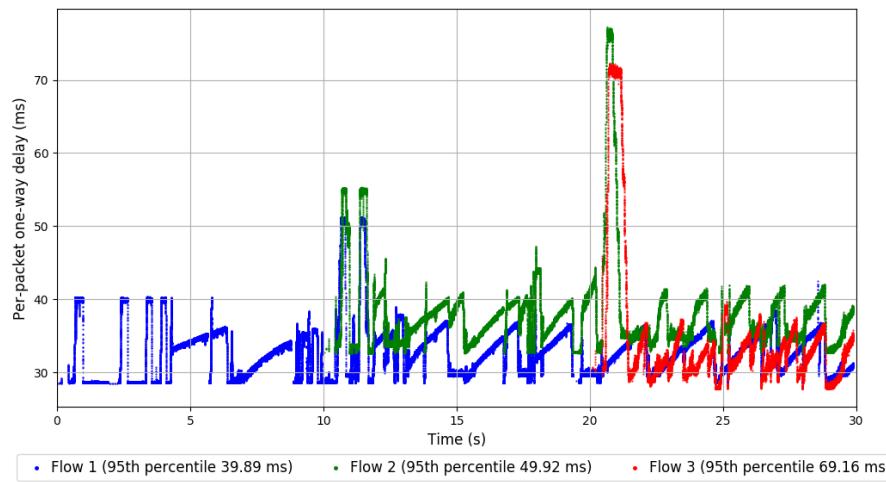
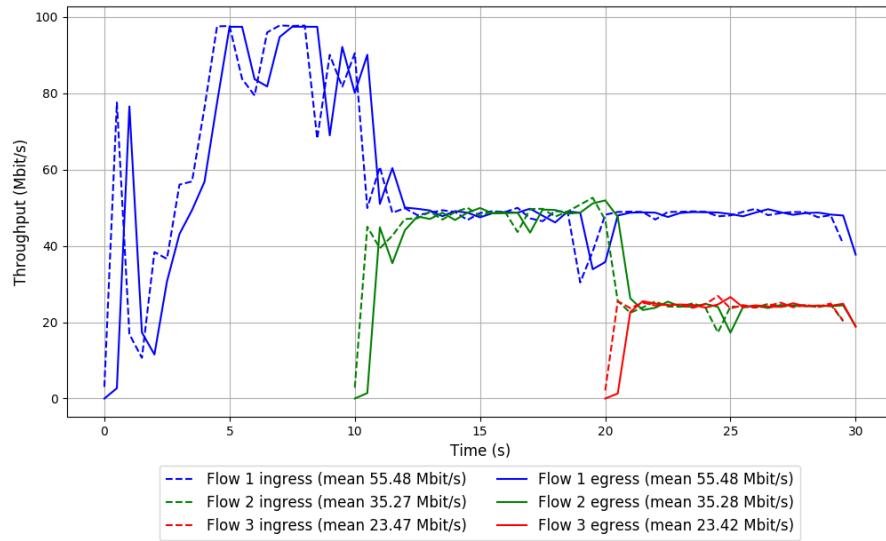


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-22 16:06:38
End at: 2018-05-22 16:07:08
Local clock offset: 1.134 ms
Remote clock offset: -2.511 ms

# Below is generated by plot.py at 2018-05-22 19:16:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 40.883 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 55.48 Mbit/s
95th percentile per-packet one-way delay: 39.893 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 49.917 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 23.42 Mbit/s
95th percentile per-packet one-way delay: 69.162 ms
Loss rate: 0.78%
```

Run 2: Report of QUIC Cubic — Data Link

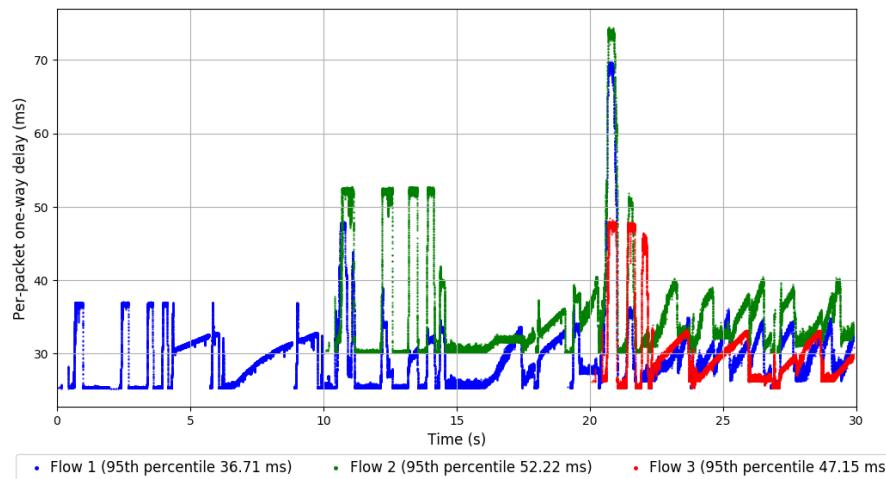
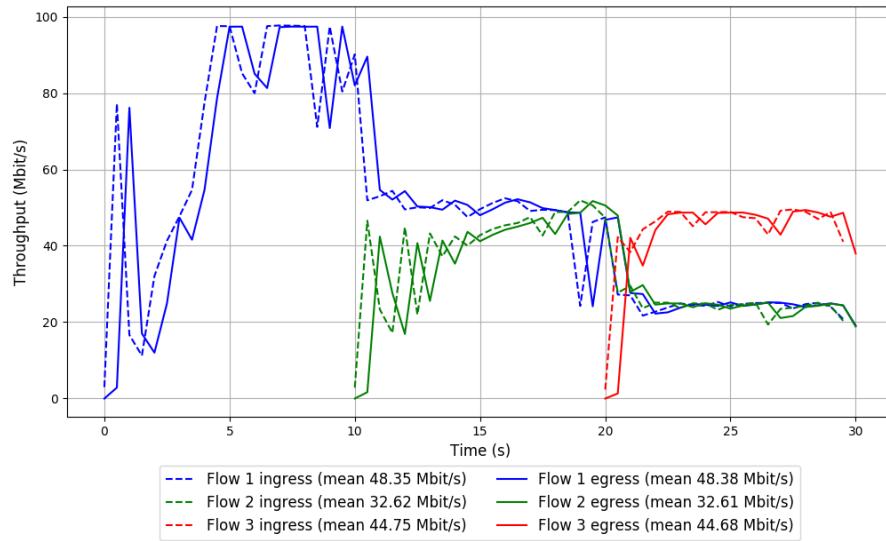


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-22 16:28:00
End at: 2018-05-22 16:28:30
Local clock offset: 0.906 ms
Remote clock offset: 0.836 ms

# Below is generated by plot.py at 2018-05-22 19:16:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.76 Mbit/s
95th percentile per-packet one-way delay: 47.029 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 48.38 Mbit/s
95th percentile per-packet one-way delay: 36.709 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 52.215 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 47.148 ms
Loss rate: 0.71%
```

Run 3: Report of QUIC Cubic — Data Link

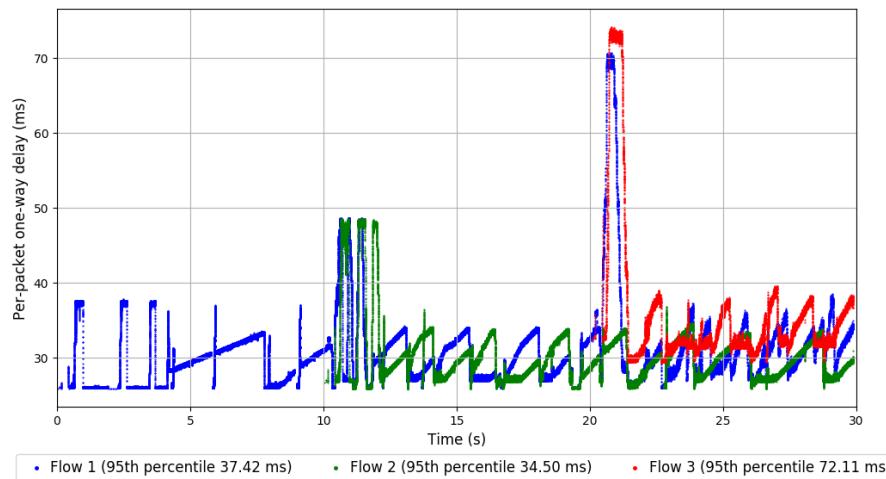
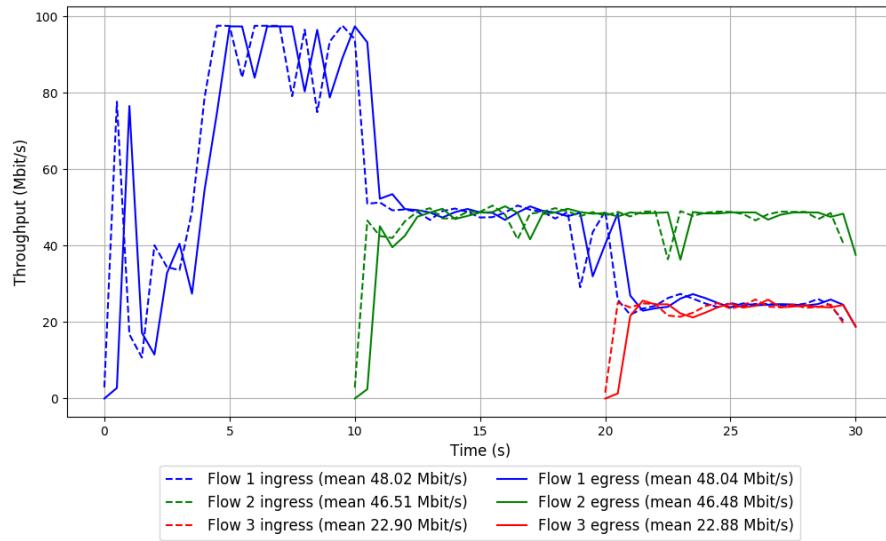


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-22 16:49:17
End at: 2018-05-22 16:49:47
Local clock offset: 1.2 ms
Remote clock offset: 1.343 ms

# Below is generated by plot.py at 2018-05-22 19:16:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.47 Mbit/s
95th percentile per-packet one-way delay: 37.581 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 48.04 Mbit/s
95th percentile per-packet one-way delay: 37.418 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 46.48 Mbit/s
95th percentile per-packet one-way delay: 34.504 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 72.106 ms
Loss rate: 0.73%
```

Run 4: Report of QUIC Cubic — Data Link

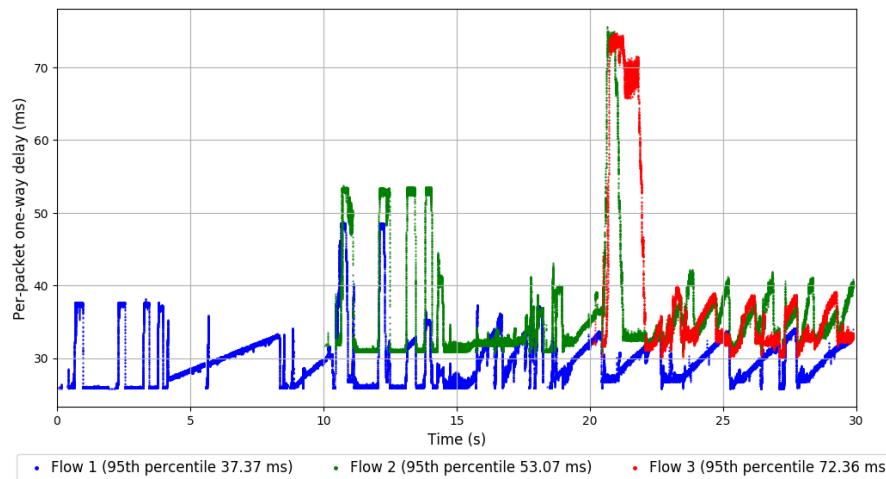
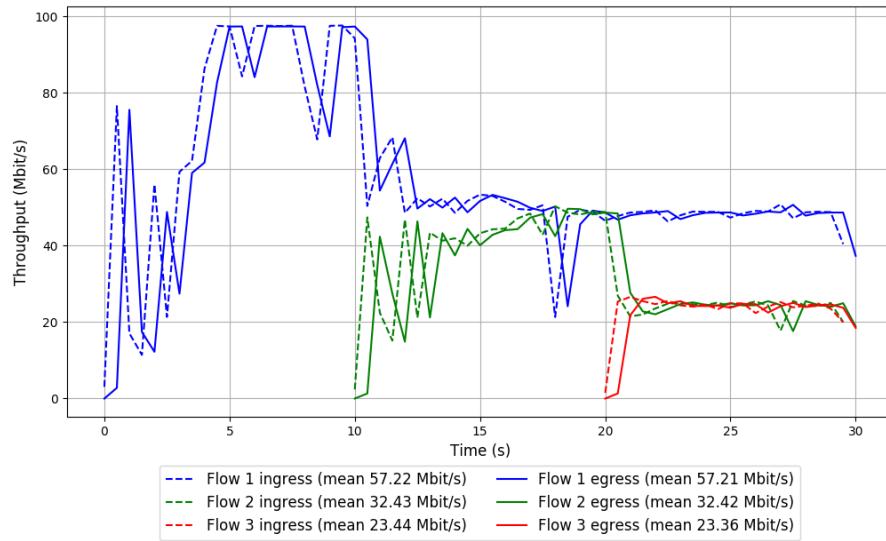


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-22 17:10:54
End at: 2018-05-22 17:11:24
Local clock offset: 0.897 ms
Remote clock offset: -6.697 ms

# Below is generated by plot.py at 2018-05-22 19:17:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.45 Mbit/s
95th percentile per-packet one-way delay: 47.816 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 57.21 Mbit/s
95th percentile per-packet one-way delay: 37.367 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 53.066 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 23.36 Mbit/s
95th percentile per-packet one-way delay: 72.359 ms
Loss rate: 0.97%
```

Run 5: Report of QUIC Cubic — Data Link

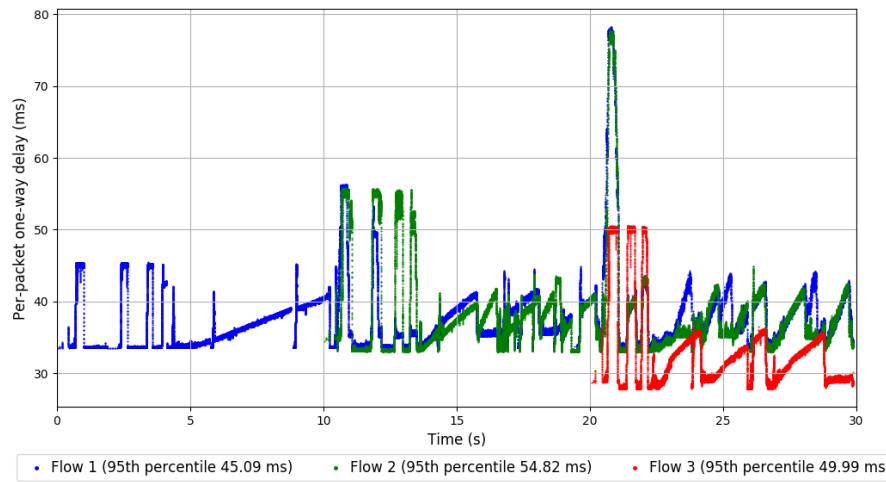
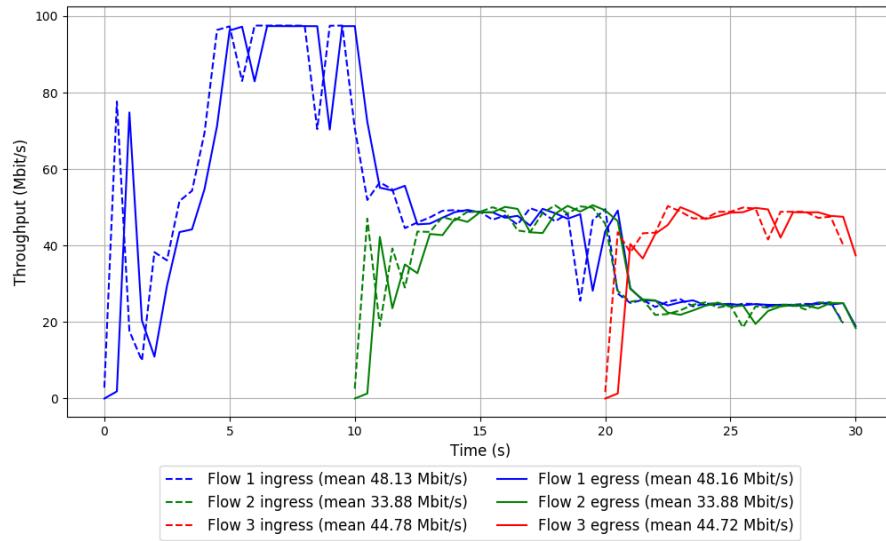


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-22 17:32:12
End at: 2018-05-22 17:32:42
Local clock offset: 1.528 ms
Remote clock offset: -12.974 ms

# Below is generated by plot.py at 2018-05-22 19:17:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 49.652 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 45.093 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 54.820 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 44.72 Mbit/s
95th percentile per-packet one-way delay: 49.990 ms
Loss rate: 0.68%
```

Run 6: Report of QUIC Cubic — Data Link

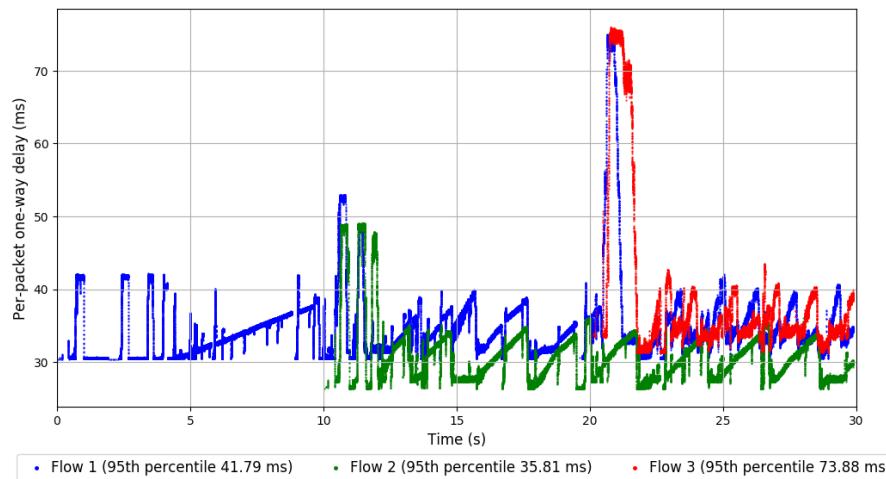
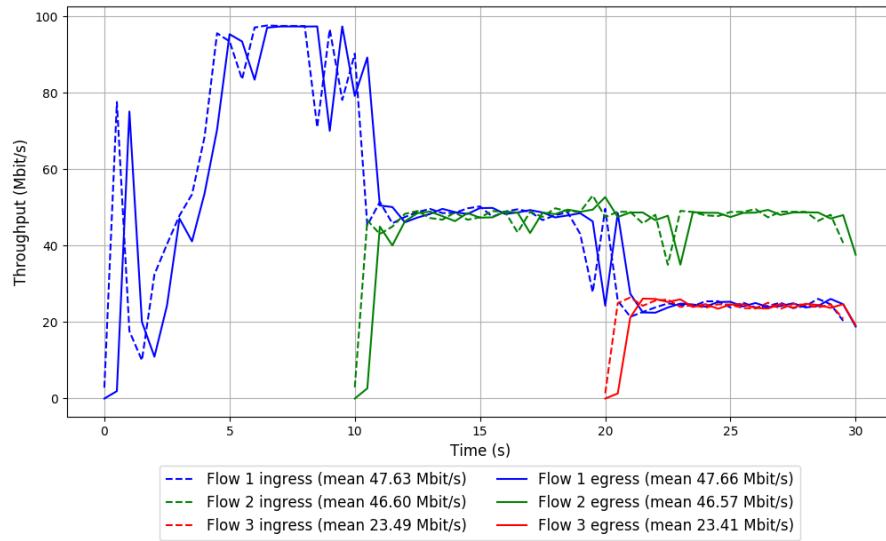


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-22 17:53:40
End at: 2018-05-22 17:54:10
Local clock offset: 1.412 ms
Remote clock offset: -13.719 ms

# Below is generated by plot.py at 2018-05-22 19:17:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.32 Mbit/s
95th percentile per-packet one-way delay: 41.835 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 47.66 Mbit/s
95th percentile per-packet one-way delay: 41.787 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 46.57 Mbit/s
95th percentile per-packet one-way delay: 35.813 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 23.41 Mbit/s
95th percentile per-packet one-way delay: 73.878 ms
Loss rate: 0.95%
```

Run 7: Report of QUIC Cubic — Data Link

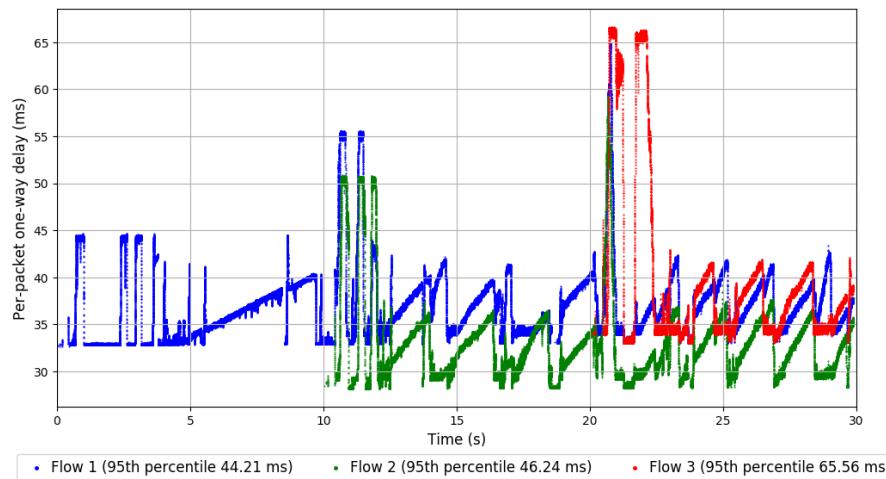
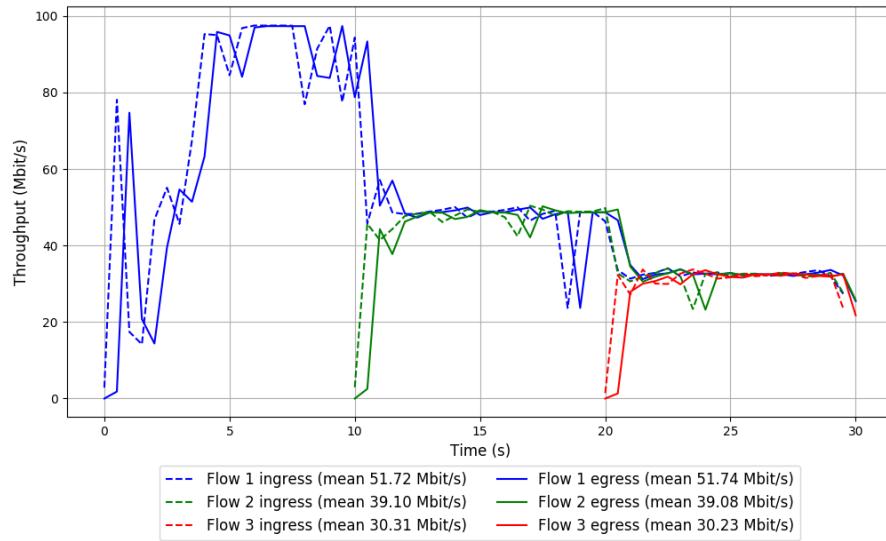


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-22 18:15:00
End at: 2018-05-22 18:15:30
Local clock offset: 1.448 ms
Remote clock offset: -4.103 ms

# Below is generated by plot.py at 2018-05-22 19:17:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 44.344 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 51.74 Mbit/s
95th percentile per-packet one-way delay: 44.206 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 39.08 Mbit/s
95th percentile per-packet one-way delay: 46.239 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 30.23 Mbit/s
95th percentile per-packet one-way delay: 65.559 ms
Loss rate: 0.88%
```

Run 8: Report of QUIC Cubic — Data Link

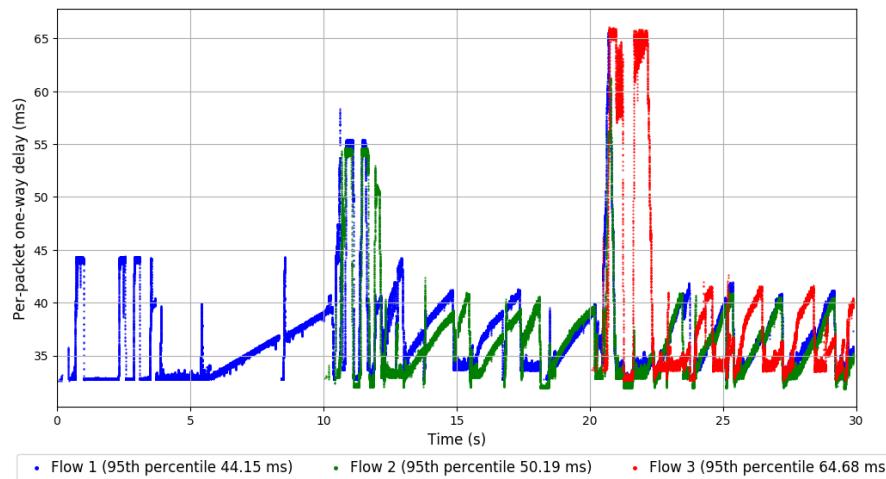
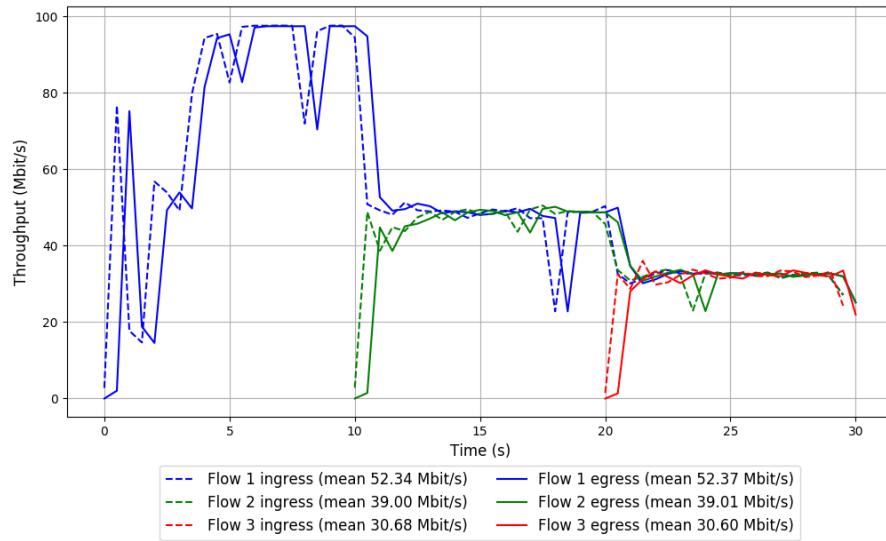


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-22 18:36:23
End at: 2018-05-22 18:36:53
Local clock offset: 0.948 ms
Remote clock offset: 2.615 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.34 Mbit/s
95th percentile per-packet one-way delay: 46.276 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 52.37 Mbit/s
95th percentile per-packet one-way delay: 44.151 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 39.01 Mbit/s
95th percentile per-packet one-way delay: 50.188 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 30.60 Mbit/s
95th percentile per-packet one-way delay: 64.680 ms
Loss rate: 0.88%
```

Run 9: Report of QUIC Cubic — Data Link

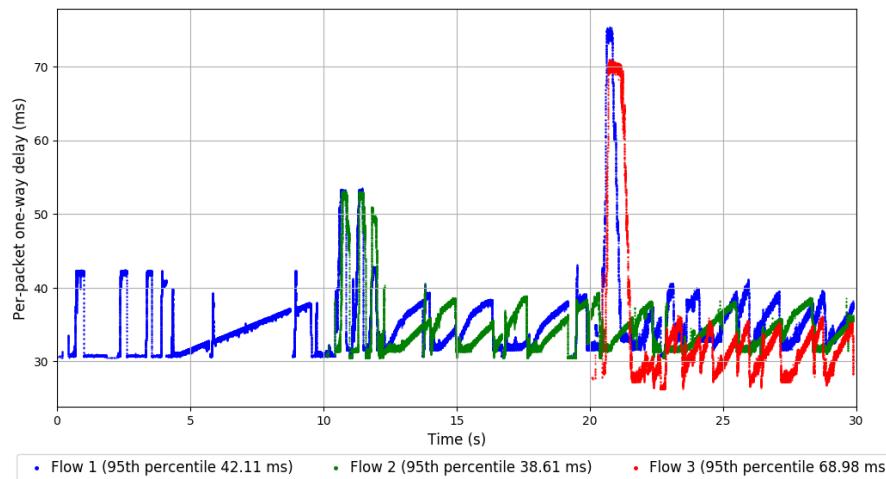
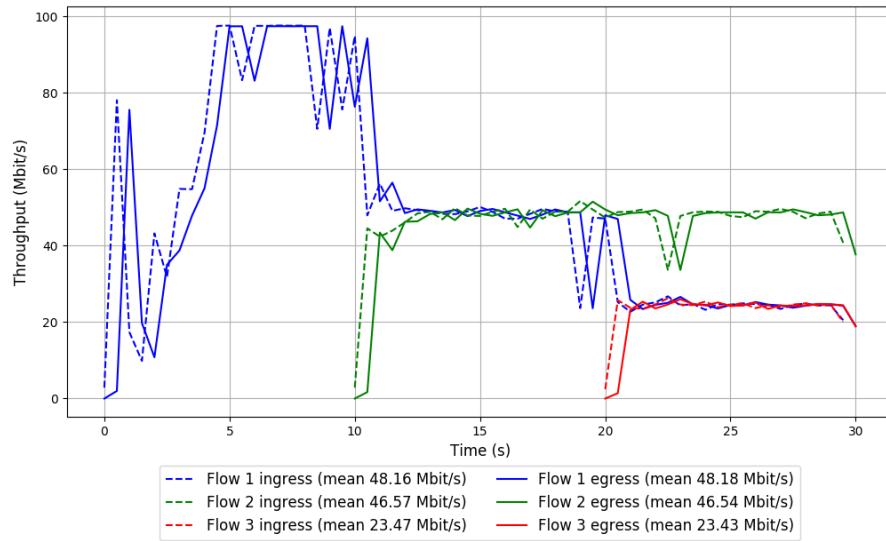


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-22 18:57:57
End at: 2018-05-22 18:58:27
Local clock offset: 0.59 ms
Remote clock offset: 1.268 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.84 Mbit/s
95th percentile per-packet one-way delay: 42.113 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 48.18 Mbit/s
95th percentile per-packet one-way delay: 42.107 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 46.54 Mbit/s
95th percentile per-packet one-way delay: 38.609 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 23.43 Mbit/s
95th percentile per-packet one-way delay: 68.979 ms
Loss rate: 0.73%
```

Run 10: Report of QUIC Cubic — Data Link

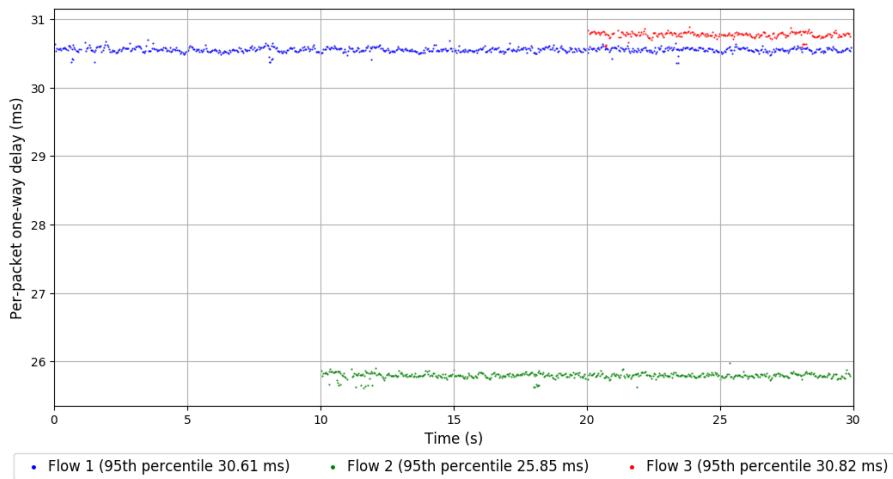
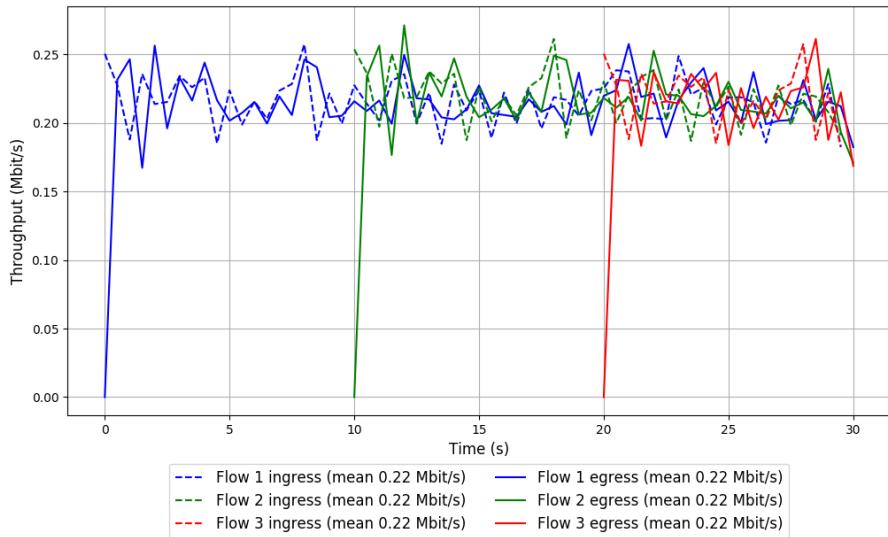


Run 1: Statistics of SCReAM

```
Start at: 2018-05-22 15:40:03
End at: 2018-05-22 15:40:33
Local clock offset: 1.316 ms
Remote clock offset: -0.839 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.799 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.609 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.851 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.823 ms
Loss rate: 0.71%
```

Run 1: Report of SCReAM — Data Link

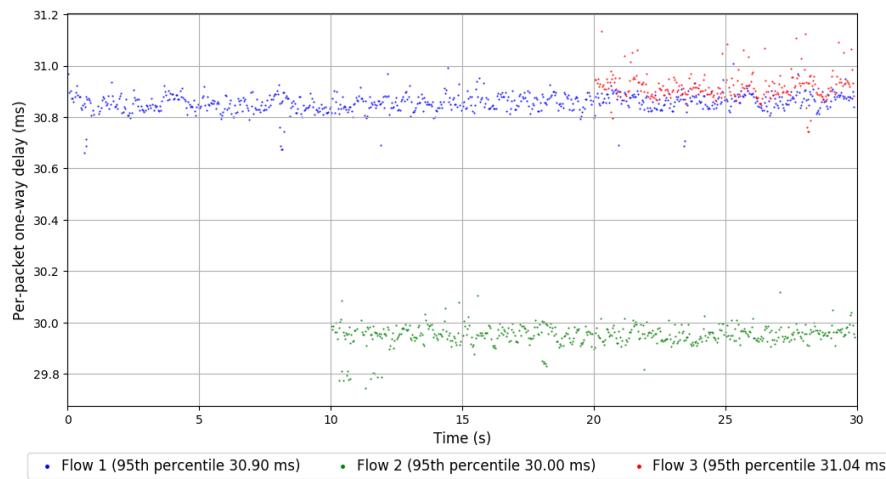
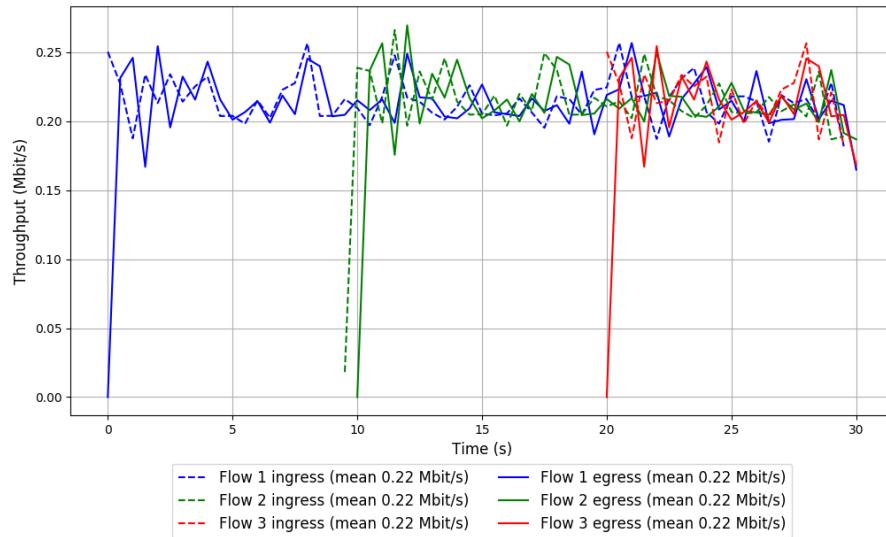


Run 2: Statistics of SCReAM

```
Start at: 2018-05-22 16:01:18
End at: 2018-05-22 16:01:48
Local clock offset: 1.327 ms
Remote clock offset: -0.6 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.937 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.903 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.002 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.036 ms
Loss rate: 0.71%
```

Run 2: Report of SCReAM — Data Link

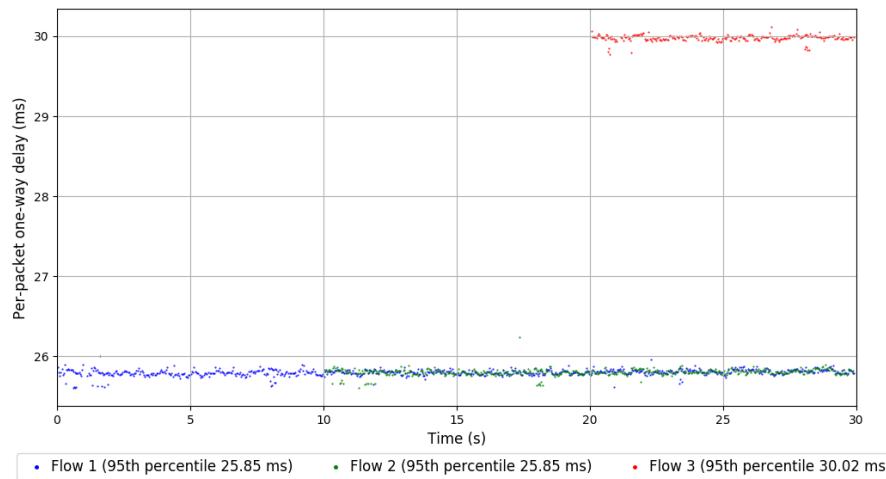
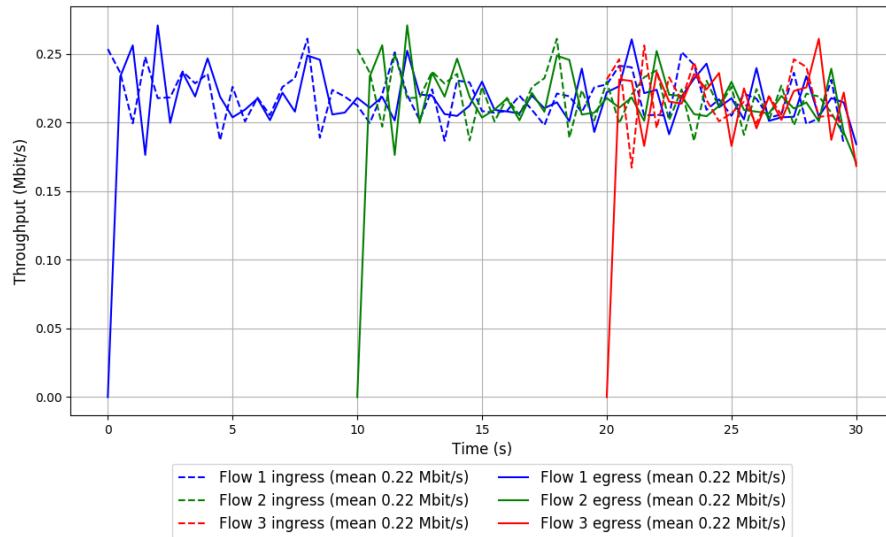


Run 3: Statistics of SCReAM

```
Start at: 2018-05-22 16:22:41
End at: 2018-05-22 16:23:11
Local clock offset: 0.929 ms
Remote clock offset: 0.088 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 29.993 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.846 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.846 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.025 ms
Loss rate: 0.71%
```

Run 3: Report of SCReAM — Data Link

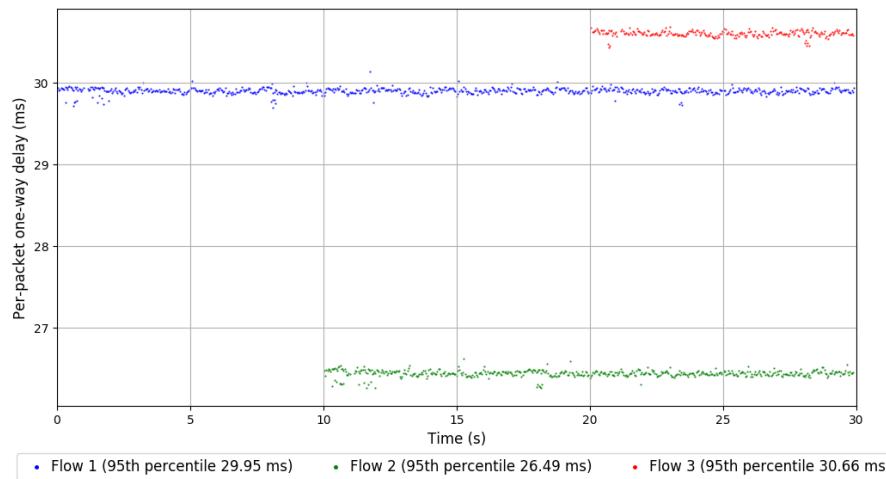
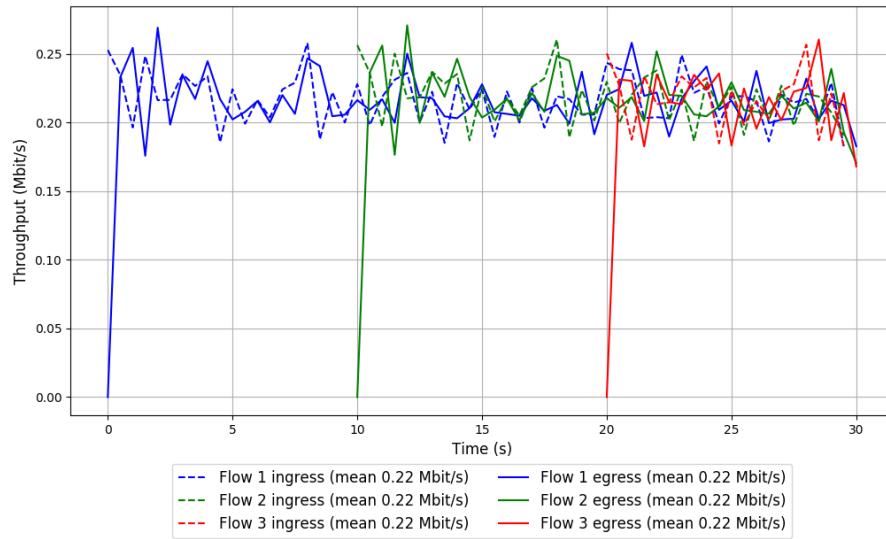


Run 4: Statistics of SCReAM

```
Start at: 2018-05-22 16:43:59
End at: 2018-05-22 16:44:29
Local clock offset: 1.178 ms
Remote clock offset: 0.778 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.621 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.945 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.493 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.655 ms
Loss rate: 0.71%
```

Run 4: Report of SCReAM — Data Link

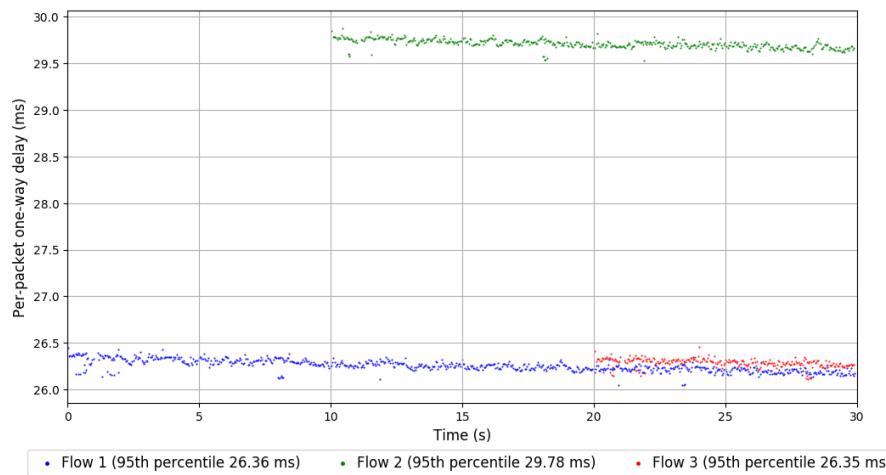
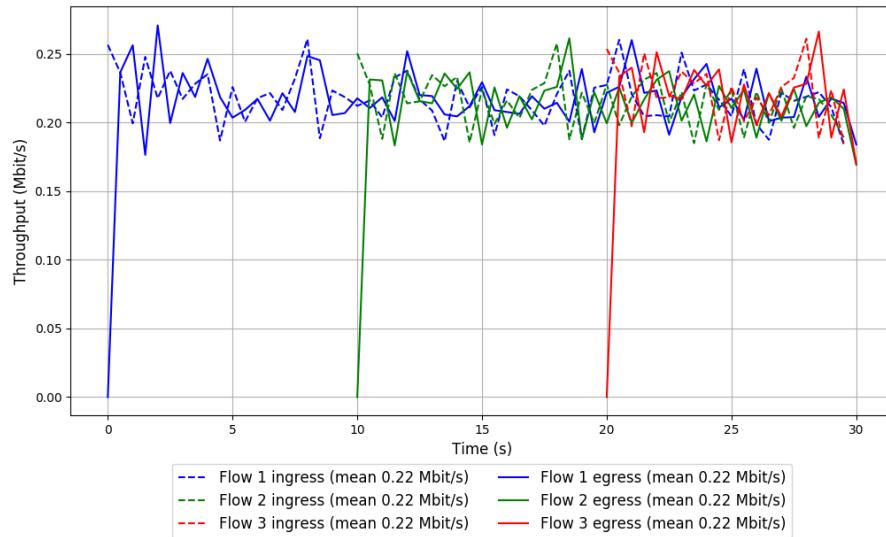


Run 5: Statistics of SCReAM

```
Start at: 2018-05-22 17:05:34
End at: 2018-05-22 17:06:04
Local clock offset: 0.854 ms
Remote clock offset: -5.607 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 29.759 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.359 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.779 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.347 ms
Loss rate: 0.70%
```

Run 5: Report of SCReAM — Data Link

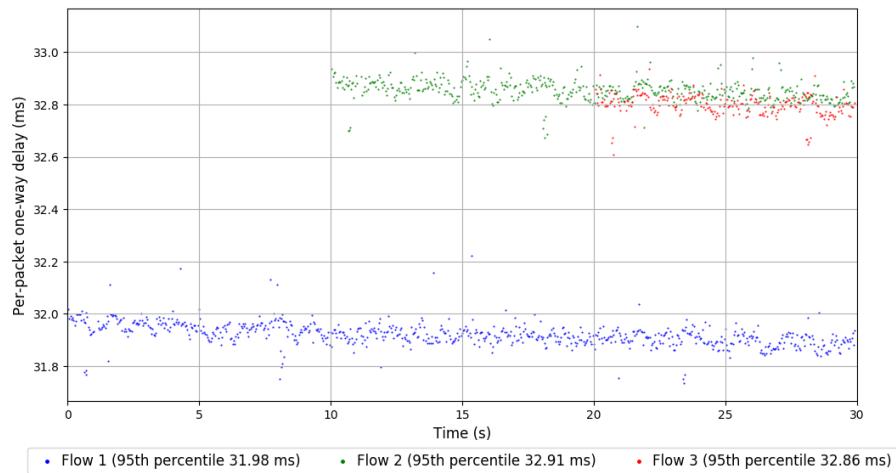
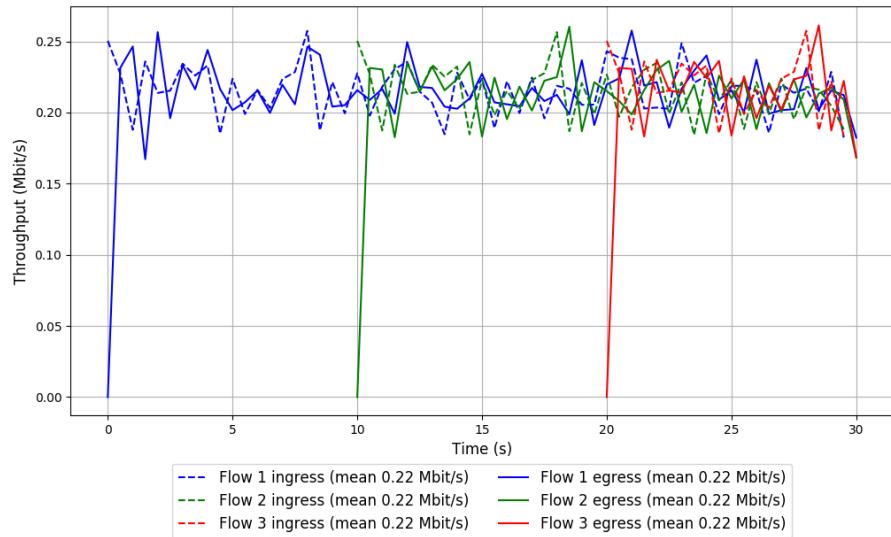


Run 6: Statistics of SCReAM

```
Start at: 2018-05-22 17:26:53
End at: 2018-05-22 17:27:23
Local clock offset: 1.623 ms
Remote clock offset: -12.118 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.891 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.985 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.914 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.856 ms
Loss rate: 0.71%
```

Run 6: Report of SCReAM — Data Link

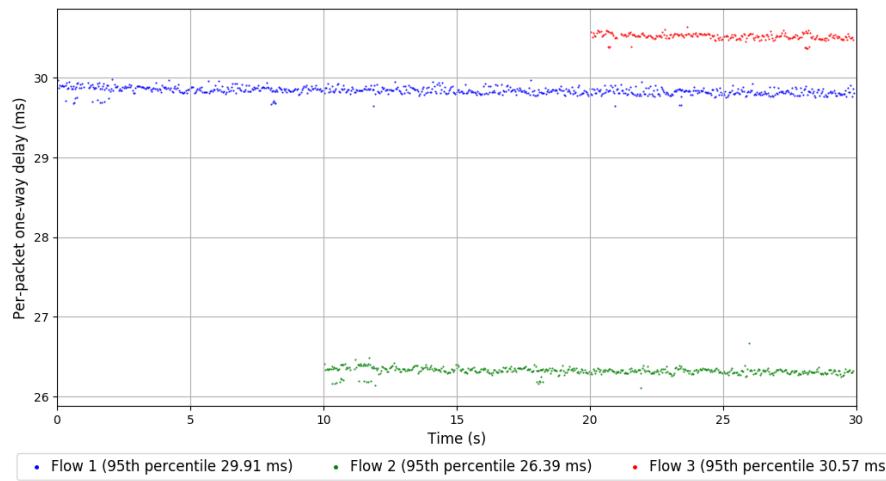
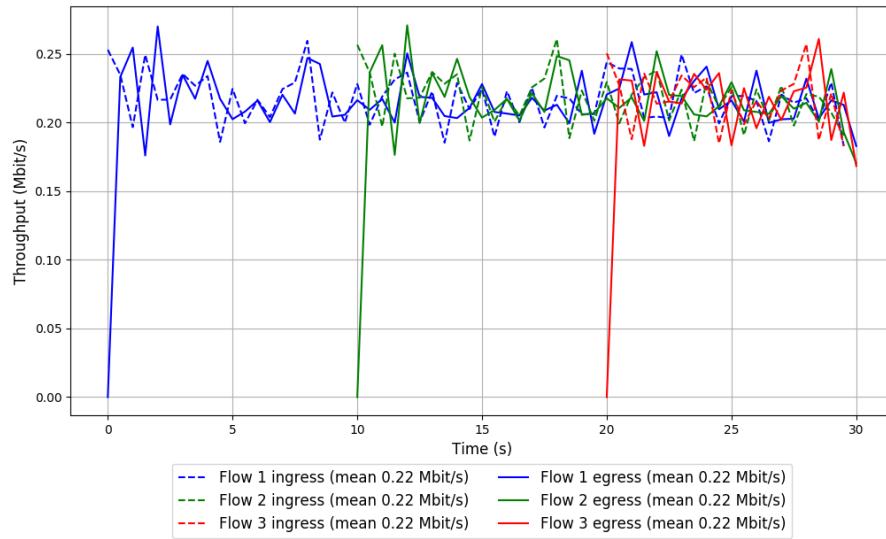


Run 7: Statistics of SCReAM

```
Start at: 2018-05-22 17:48:22
End at: 2018-05-22 17:48:52
Local clock offset: 1.4 ms
Remote clock offset: -13.053 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.537 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.910 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.392 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.573 ms
Loss rate: 0.71%
```

Run 7: Report of SCReAM — Data Link

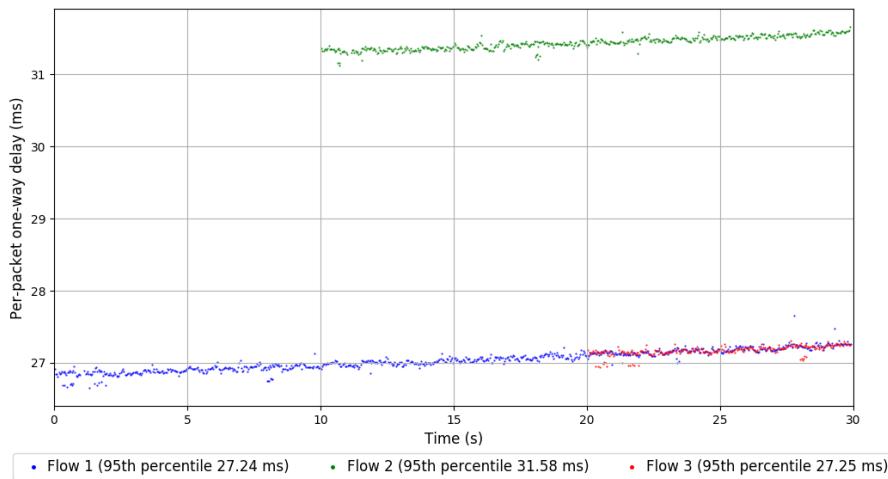
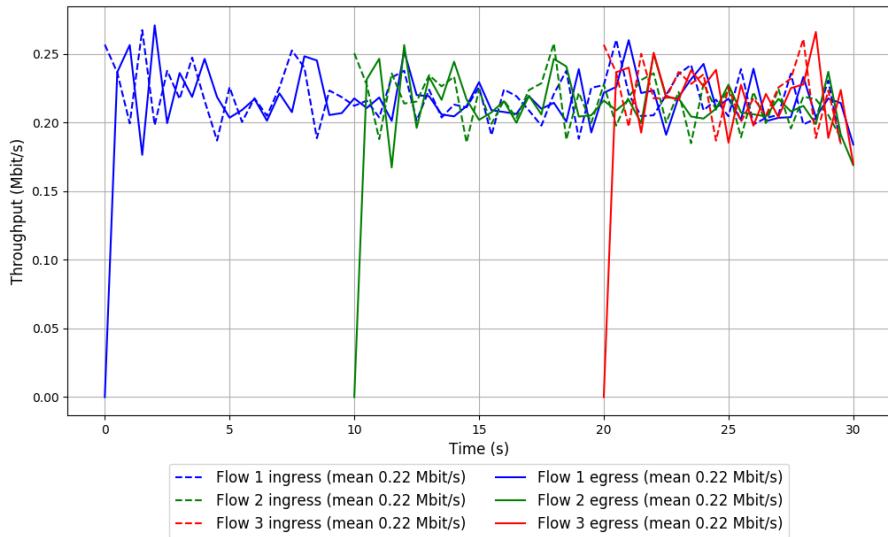


Run 8: Statistics of SCReAM

```
Start at: 2018-05-22 18:09:38
End at: 2018-05-22 18:10:08
Local clock offset: 1.446 ms
Remote clock offset: -5.872 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 31.537 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.236 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.583 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.253 ms
Loss rate: 0.70%
```

Run 8: Report of SCReAM — Data Link

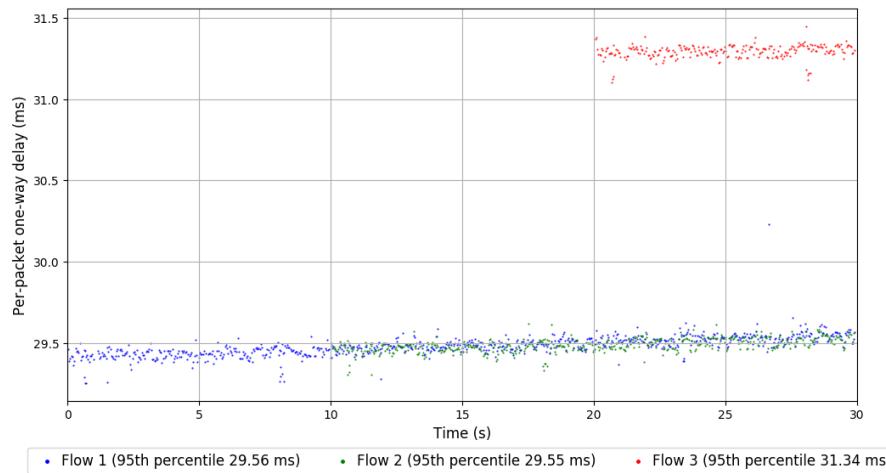
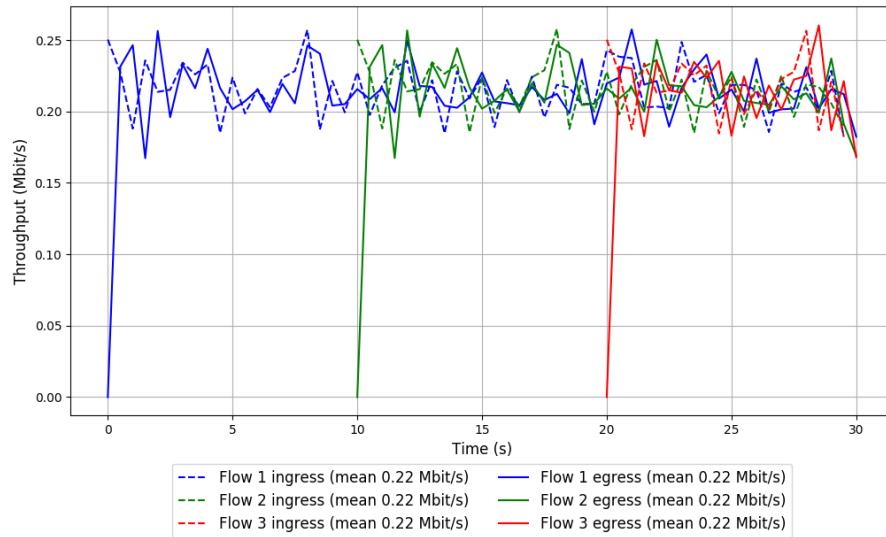


Run 9: Statistics of SCReAM

```
Start at: 2018-05-22 18:31:04
End at: 2018-05-22 18:31:34
Local clock offset: 1.06 ms
Remote clock offset: 3.949 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.314 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.561 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.550 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.338 ms
Loss rate: 0.71%
```

Run 9: Report of SCReAM — Data Link

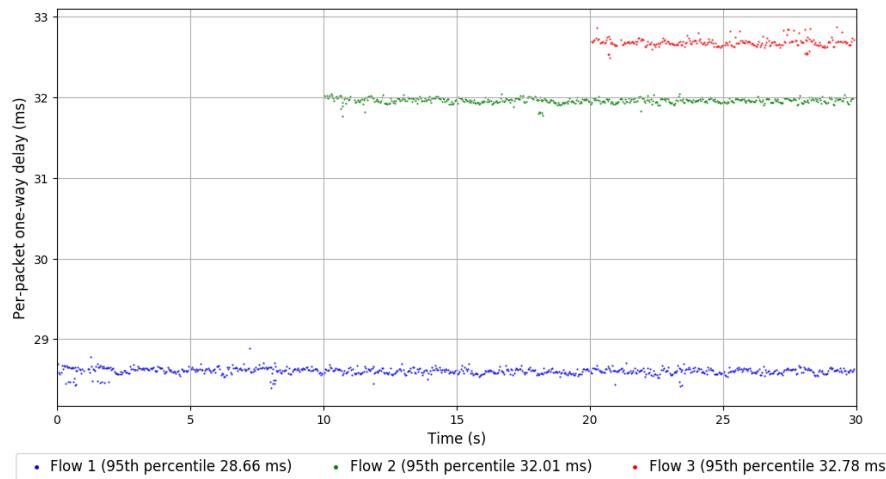
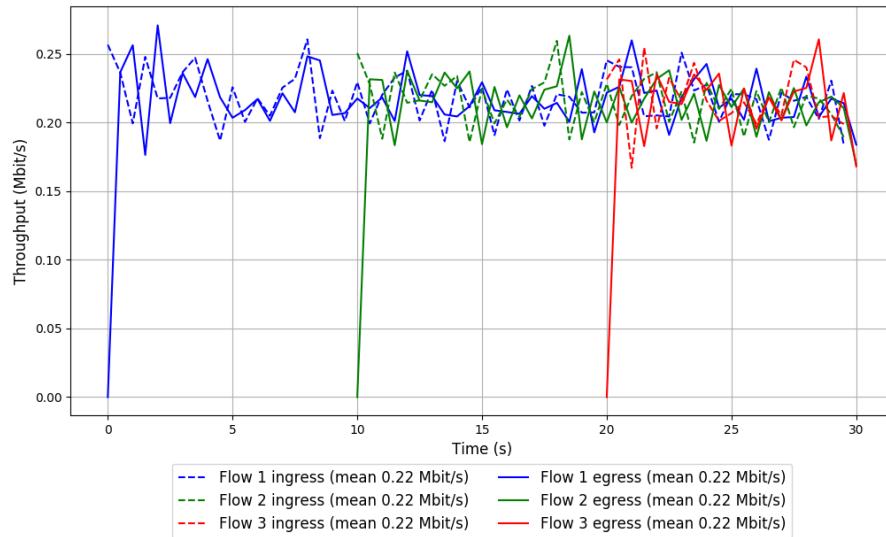


Run 10: Statistics of SCReAM

```
Start at: 2018-05-22 18:52:38
End at: 2018-05-22 18:53:08
Local clock offset: 0.68 ms
Remote clock offset: -0.853 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.696 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.665 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.012 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.778 ms
Loss rate: 0.71%
```

Run 10: Report of SCReAM — Data Link

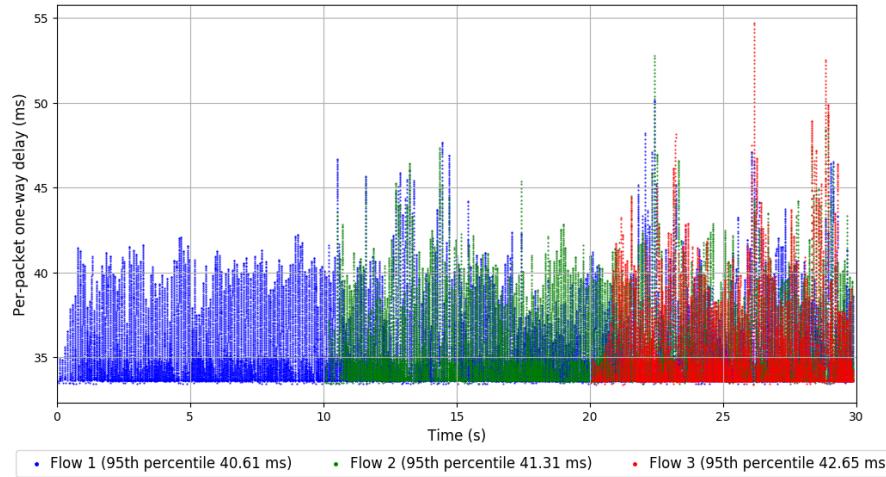
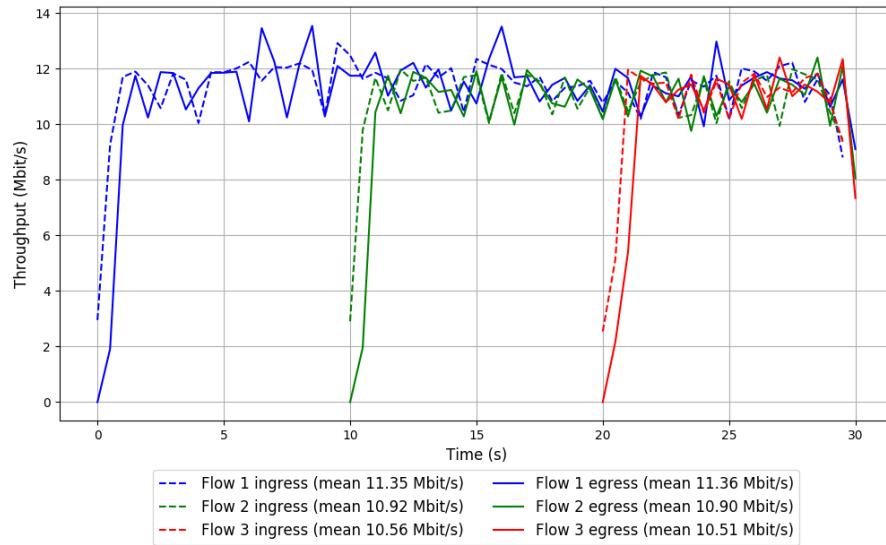


Run 1: Statistics of Sprout

```
Start at: 2018-05-22 15:34:46
End at: 2018-05-22 15:35:16
Local clock offset: 1.21 ms
Remote clock offset: -2.928 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.07 Mbit/s
95th percentile per-packet one-way delay: 41.139 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 40.612 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 10.90 Mbit/s
95th percentile per-packet one-way delay: 41.308 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 10.51 Mbit/s
95th percentile per-packet one-way delay: 42.651 ms
Loss rate: 0.97%
```

Run 1: Report of Sprout — Data Link

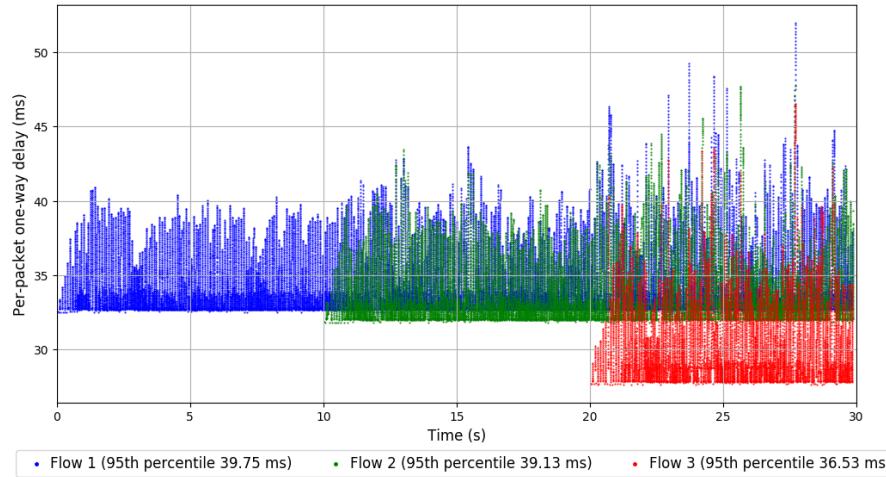
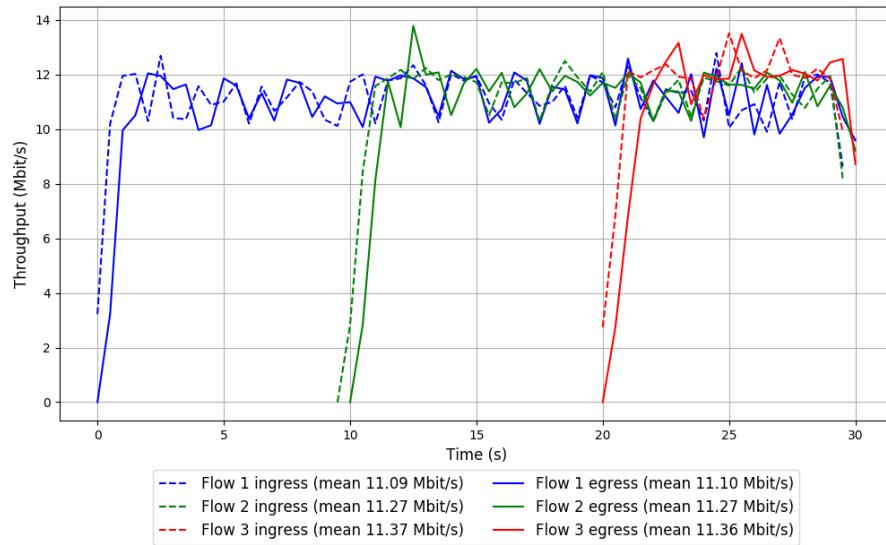


Run 2: Statistics of Sprout

```
Start at: 2018-05-22 15:56:01
End at: 2018-05-22 15:56:31
Local clock offset: 1.548 ms
Remote clock offset: -2.752 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.32 Mbit/s
95th percentile per-packet one-way delay: 39.337 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 39.749 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 39.132 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 36.526 ms
Loss rate: 0.88%
```

Run 2: Report of Sprout — Data Link

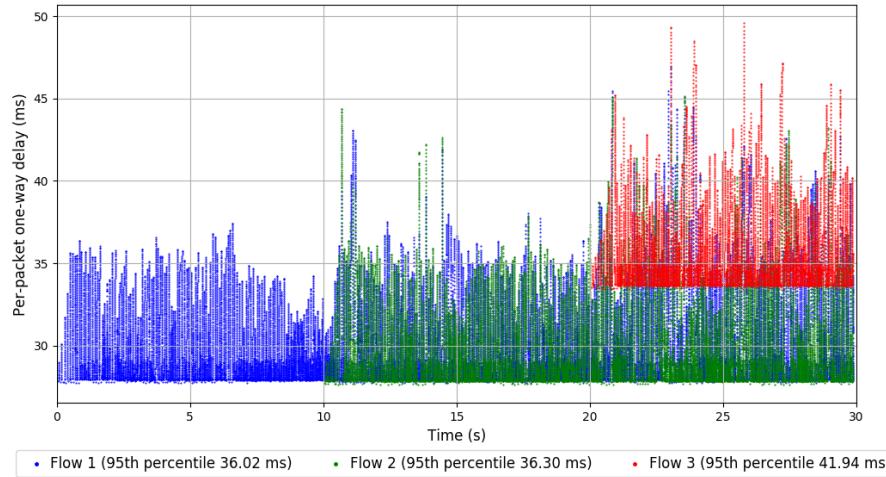
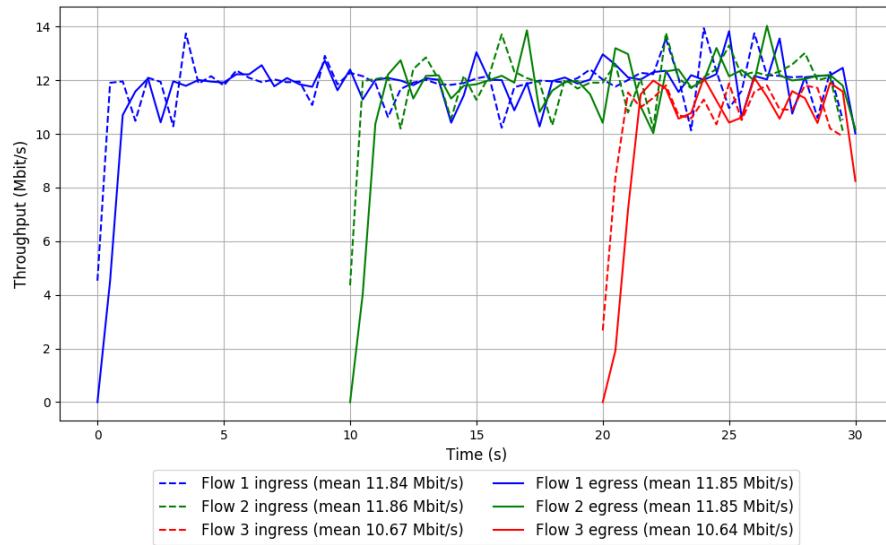


Run 3: Statistics of Sprout

```
Start at: 2018-05-22 16:17:22
End at: 2018-05-22 16:17:52
Local clock offset: 0.973 ms
Remote clock offset: -2.199 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.22 Mbit/s
95th percentile per-packet one-way delay: 38.460 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 36.017 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 36.300 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 41.938 ms
Loss rate: 0.85%
```

Run 3: Report of Sprout — Data Link

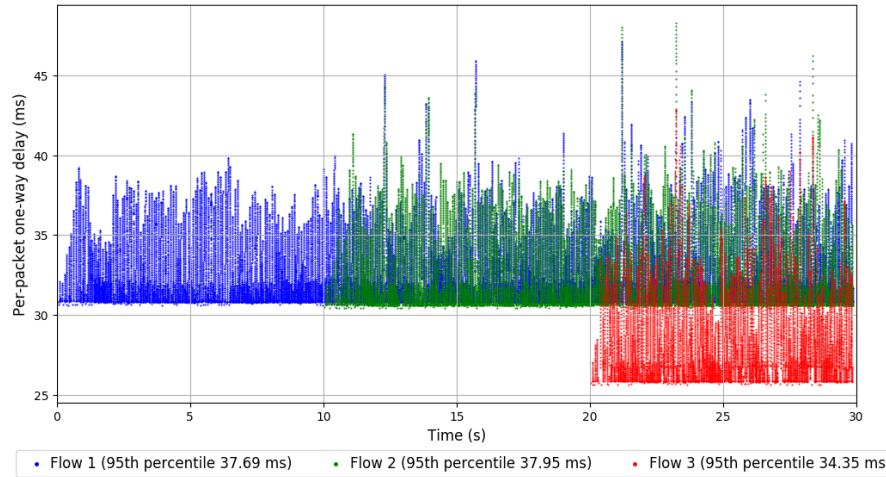
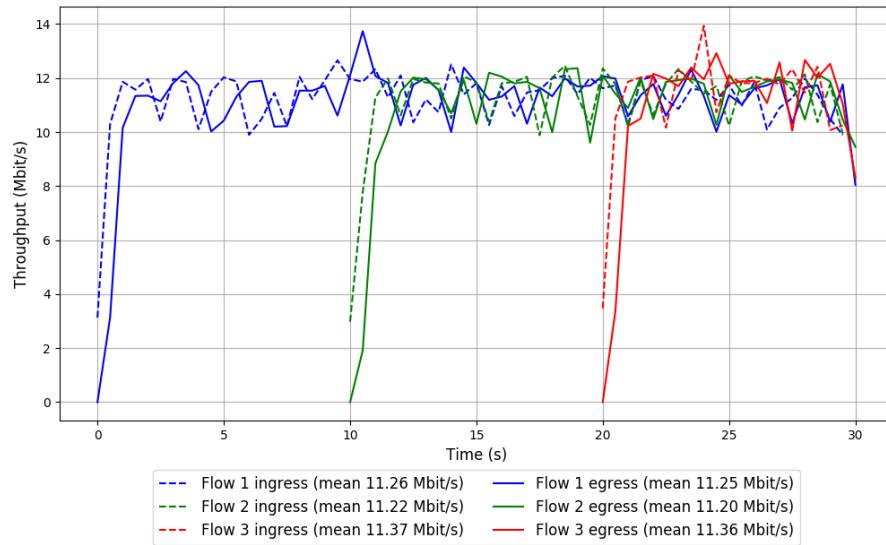


Run 4: Statistics of Sprout

```
Start at: 2018-05-22 16:38:41
End at: 2018-05-22 16:39:11
Local clock offset: 1.136 ms
Remote clock offset: 0.667 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: 37.602 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 11.25 Mbit/s
95th percentile per-packet one-way delay: 37.687 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 11.20 Mbit/s
95th percentile per-packet one-way delay: 37.947 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 34.351 ms
Loss rate: 0.86%
```

Run 4: Report of Sprout — Data Link

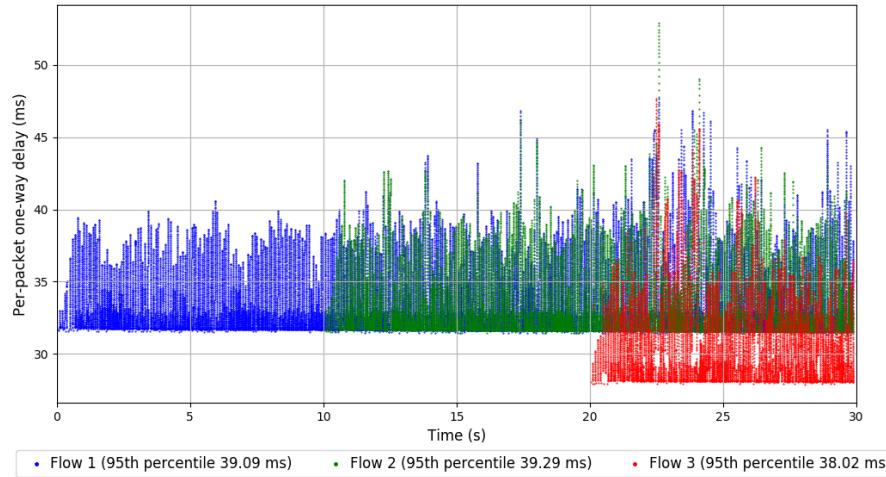
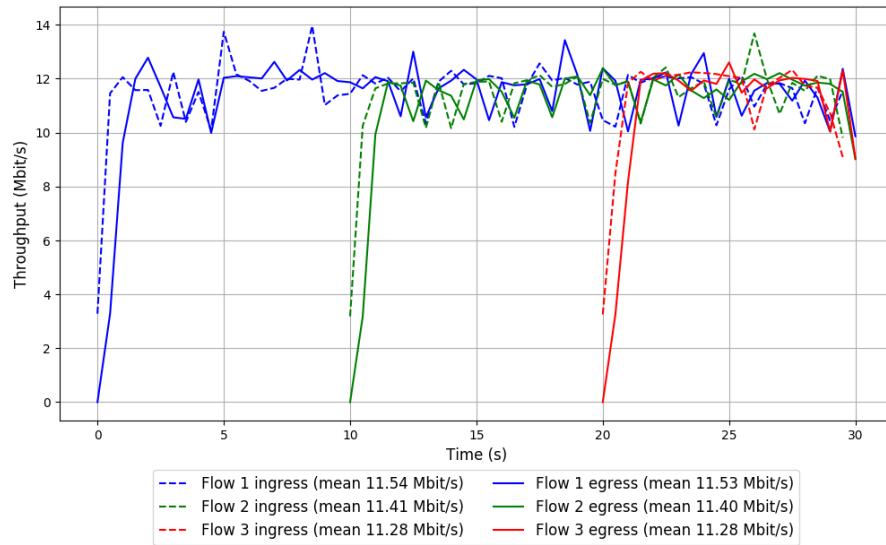


Run 5: Statistics of Sprout

```
Start at: 2018-05-22 17:00:09
End at: 2018-05-22 17:00:39
Local clock offset: 1.096 ms
Remote clock offset: -5.267 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.82 Mbit/s
95th percentile per-packet one-way delay: 39.090 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 39.089 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 39.291 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 11.28 Mbit/s
95th percentile per-packet one-way delay: 38.025 ms
Loss rate: 0.11%
```

Run 5: Report of Sprout — Data Link

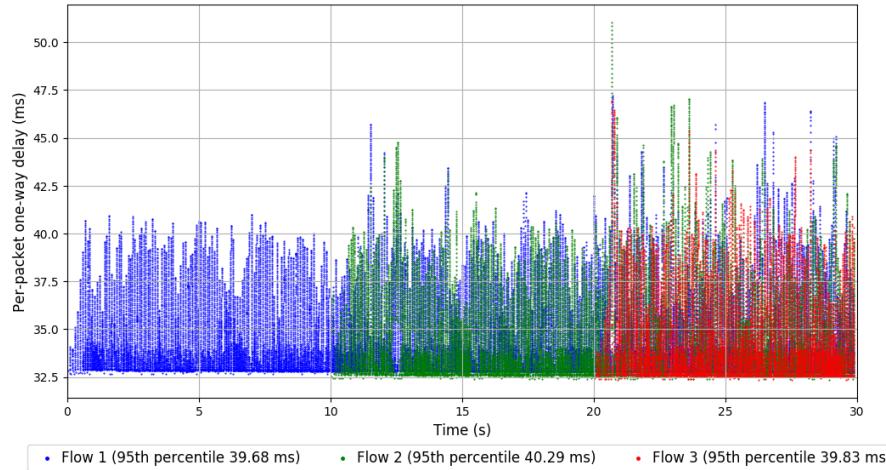
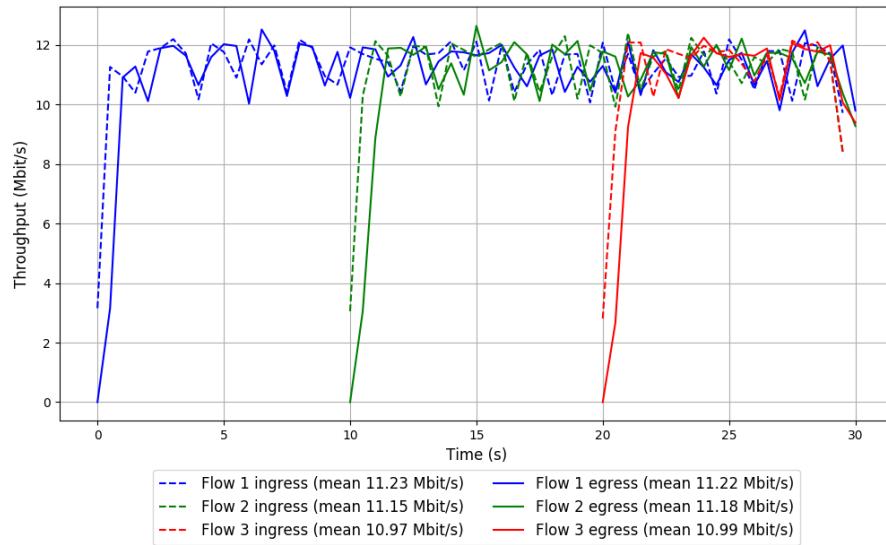


Run 6: Statistics of Sprout

```
Start at: 2018-05-22 17:21:35
End at: 2018-05-22 17:22:05
Local clock offset: 1.49 ms
Remote clock offset: -11.267 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.27 Mbit/s
95th percentile per-packet one-way delay: 39.873 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 39.679 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 11.18 Mbit/s
95th percentile per-packet one-way delay: 40.293 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 39.829 ms
Loss rate: 0.44%
```

Run 6: Report of Sprout — Data Link

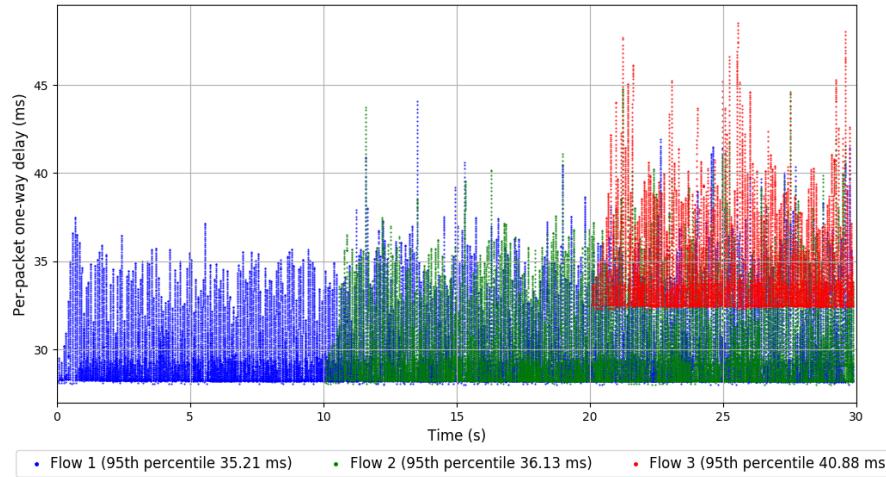
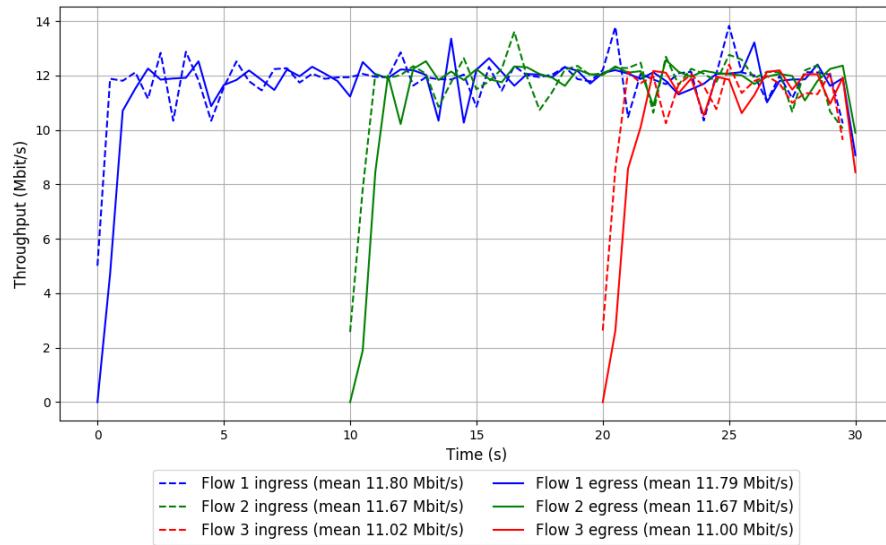


Run 7: Statistics of Sprout

```
Start at: 2018-05-22 17:43:05
End at: 2018-05-22 17:43:35
Local clock offset: 1.338 ms
Remote clock offset: -14.362 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 37.303 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 35.210 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 36.127 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 11.00 Mbit/s
95th percentile per-packet one-way delay: 40.885 ms
Loss rate: 0.78%
```

Run 7: Report of Sprout — Data Link

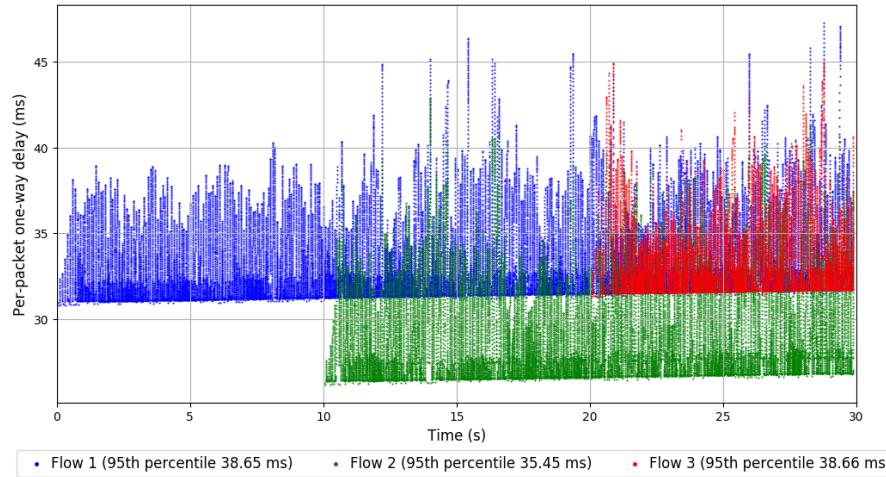
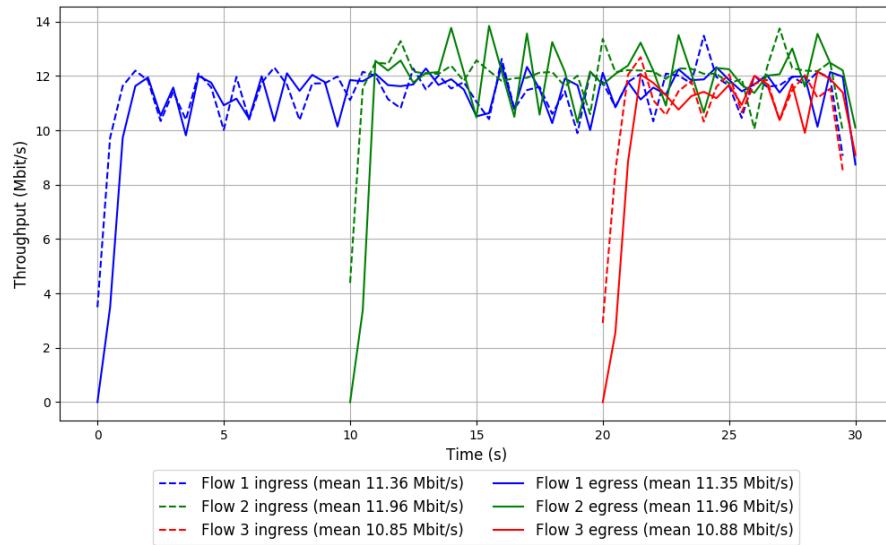


Run 8: Statistics of Sprout

```
Start at: 2018-05-22 18:04:21
End at: 2018-05-22 18:04:51
Local clock offset: 1.376 ms
Remote clock offset: -12.234 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 38.084 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 11.35 Mbit/s
95th percentile per-packet one-way delay: 38.646 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 35.446 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 10.88 Mbit/s
95th percentile per-packet one-way delay: 38.655 ms
Loss rate: 0.22%
```

Run 8: Report of Sprout — Data Link

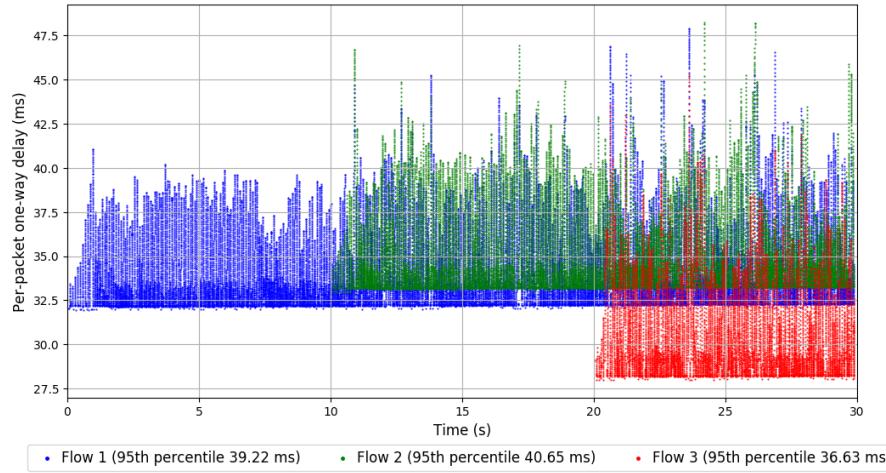
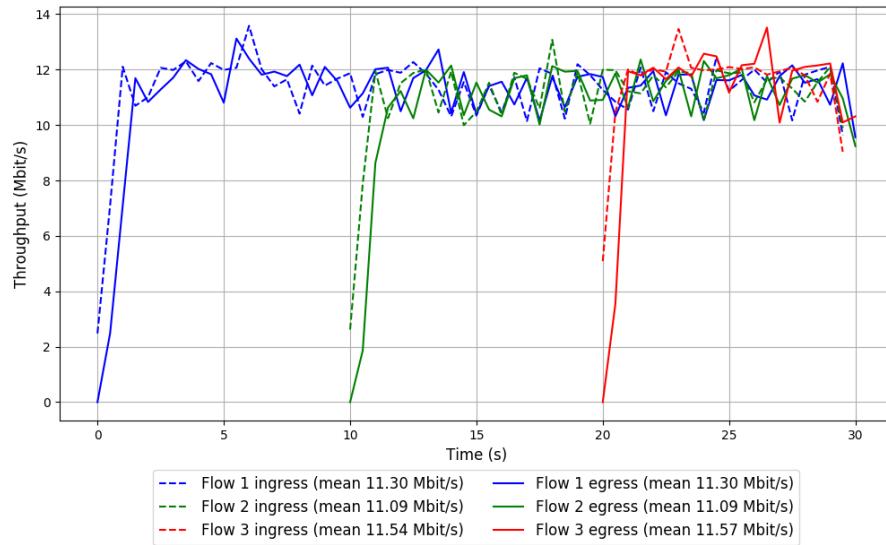


Run 9: Statistics of Sprout

```
Start at: 2018-05-22 18:25:47
End at: 2018-05-22 18:26:17
Local clock offset: 1.431 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.47 Mbit/s
95th percentile per-packet one-way delay: 39.685 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 11.30 Mbit/s
95th percentile per-packet one-way delay: 39.215 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 11.09 Mbit/s
95th percentile per-packet one-way delay: 40.646 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 36.633 ms
Loss rate: 0.21%
```

Run 9: Report of Sprout — Data Link

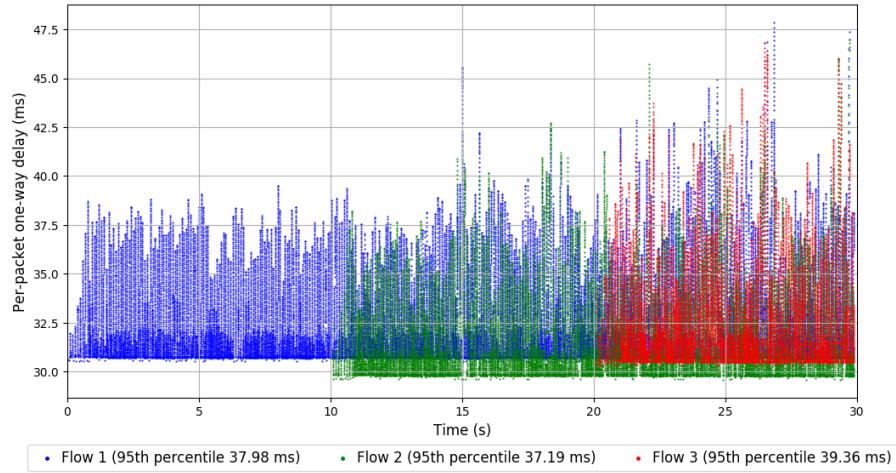
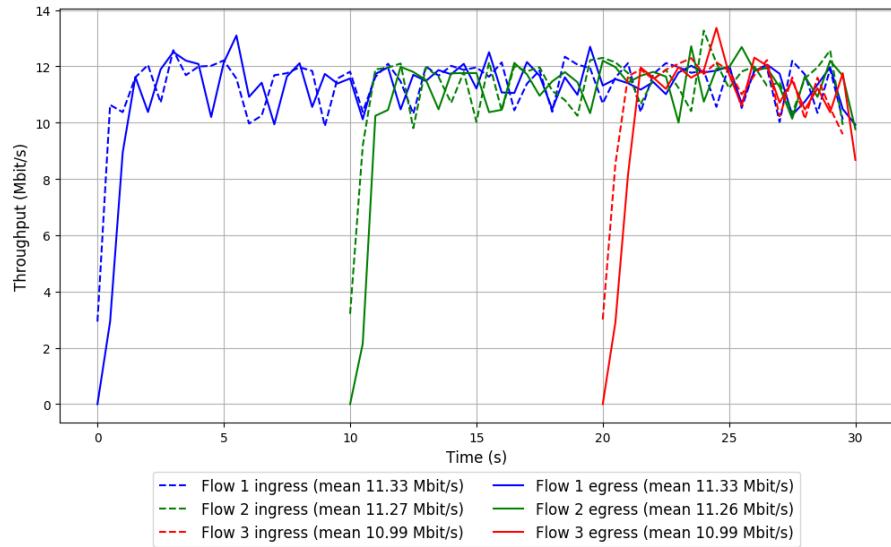


Run 10: Statistics of Sprout

```
Start at: 2018-05-22 18:47:20
End at: 2018-05-22 18:47:50
Local clock offset: 0.645 ms
Remote clock offset: 1.498 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.42 Mbit/s
95th percentile per-packet one-way delay: 37.992 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 11.33 Mbit/s
95th percentile per-packet one-way delay: 37.980 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 11.26 Mbit/s
95th percentile per-packet one-way delay: 37.192 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 39.358 ms
Loss rate: 0.57%
```

Run 10: Report of Sprout — Data Link

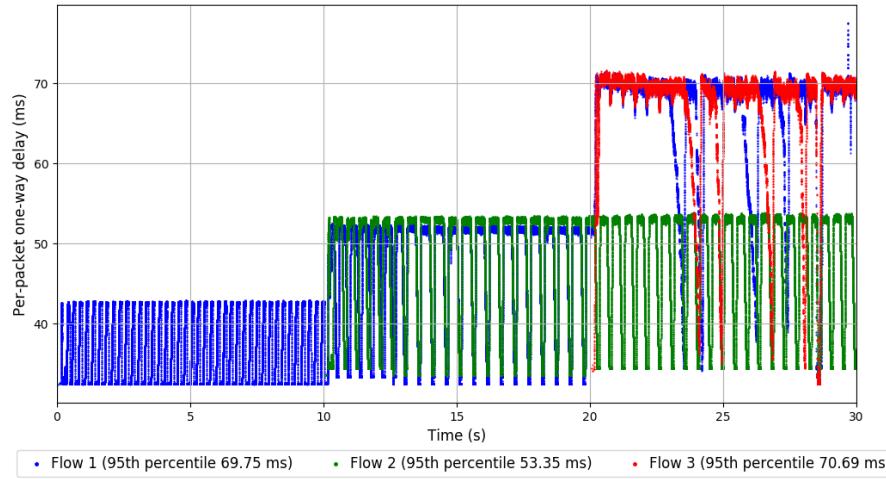
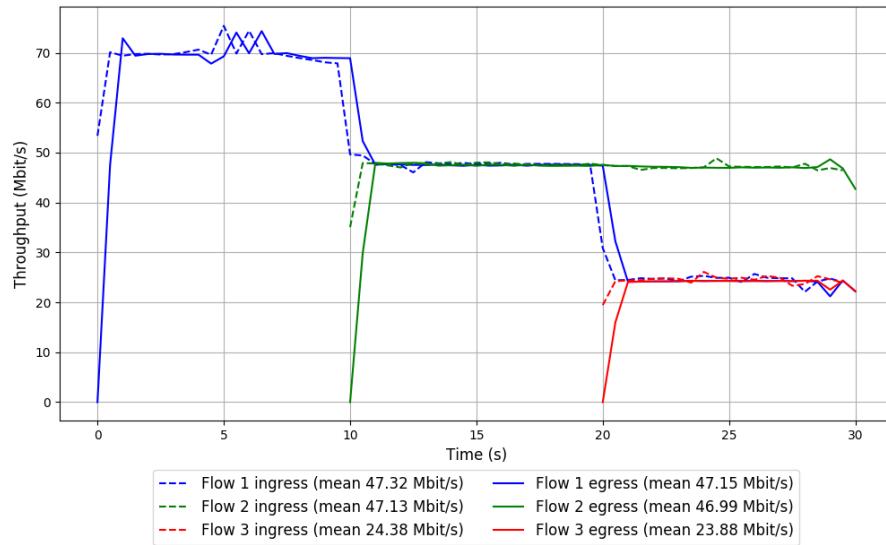


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-22 15:37:23
End at: 2018-05-22 15:37:53
Local clock offset: 1.184 ms
Remote clock offset: -2.858 ms

# Below is generated by plot.py at 2018-05-22 19:19:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.34 Mbit/s
95th percentile per-packet one-way delay: 69.894 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 47.15 Mbit/s
95th percentile per-packet one-way delay: 69.753 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 46.99 Mbit/s
95th percentile per-packet one-way delay: 53.350 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 70.691 ms
Loss rate: 2.82%
```

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

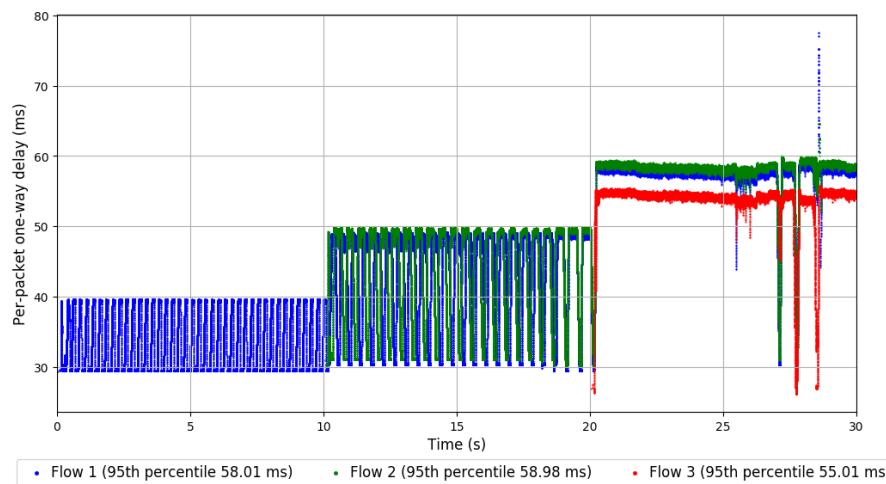
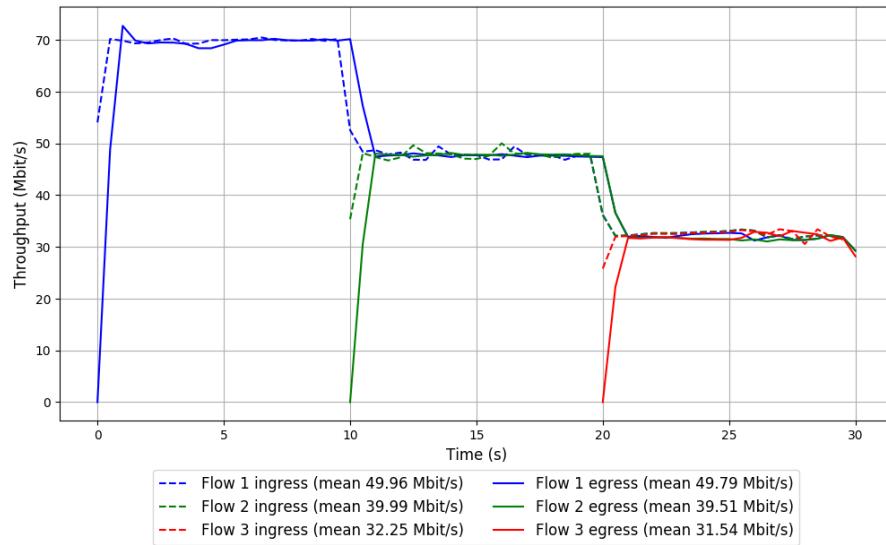


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-22 15:58:38
End at: 2018-05-22 15:59:08
Local clock offset: 1.429 ms
Remote clock offset: -0.174 ms

# Below is generated by plot.py at 2018-05-22 19:19:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.54 Mbit/s
95th percentile per-packet one-way delay: 58.575 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 58.006 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 58.982 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 55.005 ms
Loss rate: 2.76%
```

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

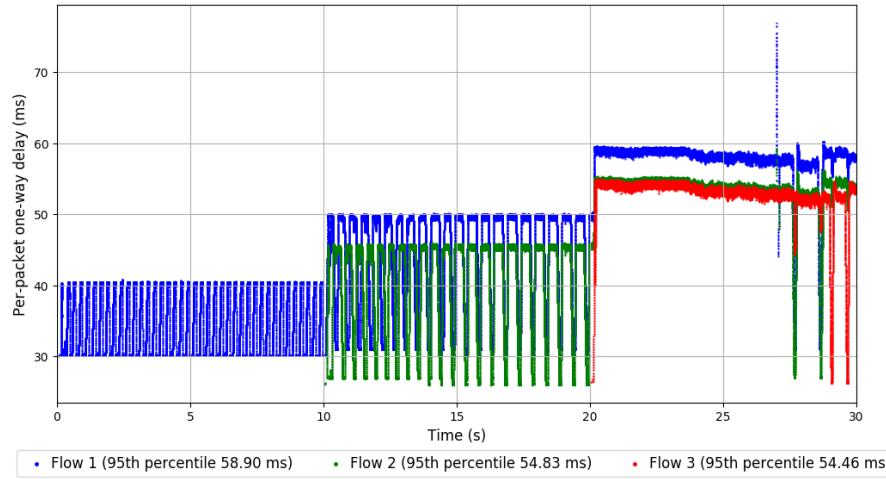
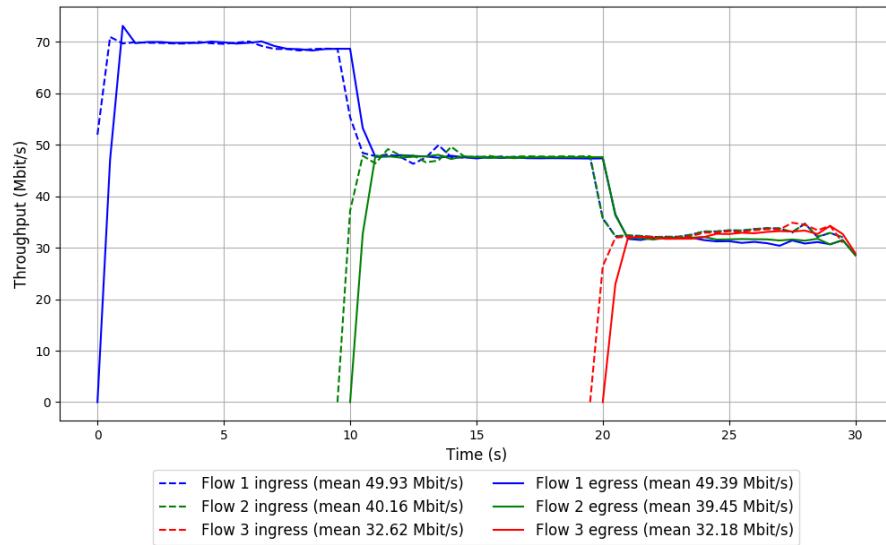


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-22 16:20:00
End at: 2018-05-22 16:20:30
Local clock offset: 0.953 ms
Remote clock offset: 0.427 ms

# Below is generated by plot.py at 2018-05-22 19:19:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 58.568 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 49.39 Mbit/s
95th percentile per-packet one-way delay: 58.897 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 54.826 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 54.456 ms
Loss rate: 1.92%
```

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

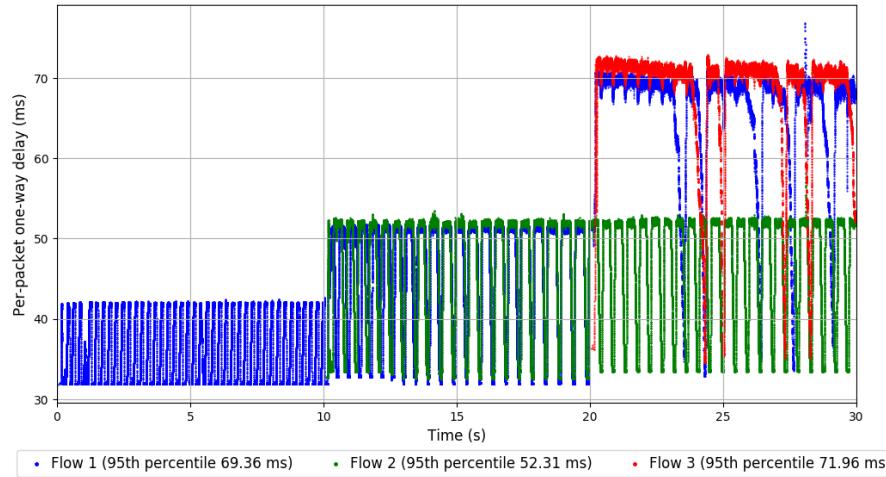
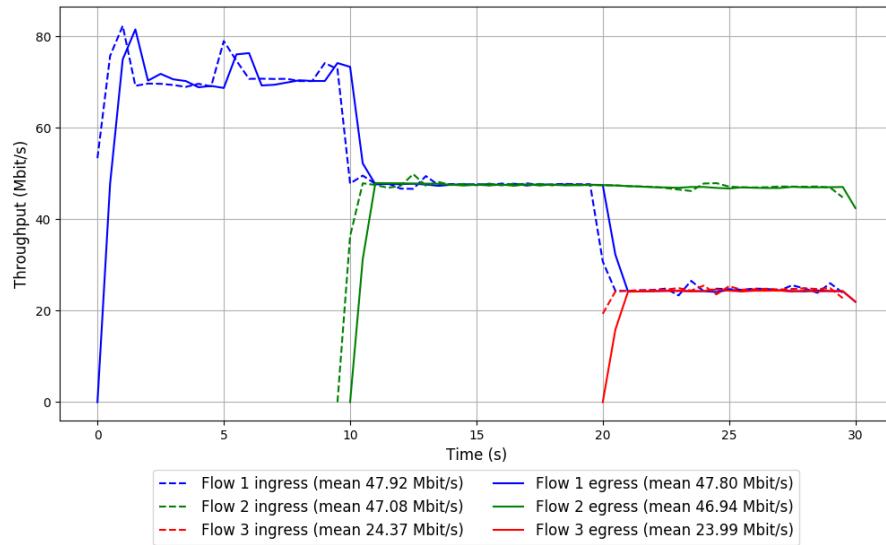


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-22 16:41:19
End at: 2018-05-22 16:41:49
Local clock offset: 1.086 ms
Remote clock offset: -1.361 ms

# Below is generated by plot.py at 2018-05-22 19:19:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.00 Mbit/s
95th percentile per-packet one-way delay: 70.667 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 47.80 Mbit/s
95th percentile per-packet one-way delay: 69.365 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 46.94 Mbit/s
95th percentile per-packet one-way delay: 52.310 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 71.961 ms
Loss rate: 2.17%
```

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

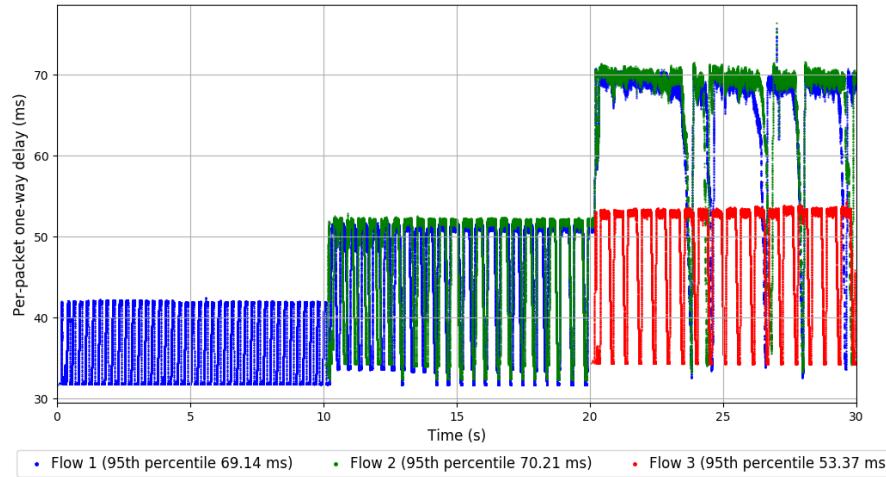
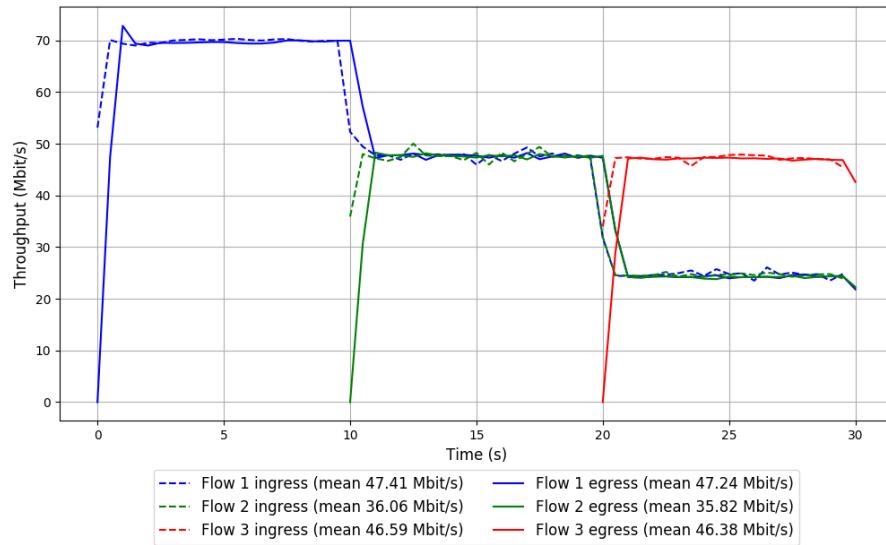


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-22 17:02:51
End at: 2018-05-22 17:03:21
Local clock offset: 1.02 ms
Remote clock offset: -6.584 ms

# Below is generated by plot.py at 2018-05-22 19:19:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.44 Mbit/s
95th percentile per-packet one-way delay: 69.597 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 69.142 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 35.82 Mbit/s
95th percentile per-packet one-way delay: 70.208 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 46.38 Mbit/s
95th percentile per-packet one-way delay: 53.367 ms
Loss rate: 1.18%
```

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

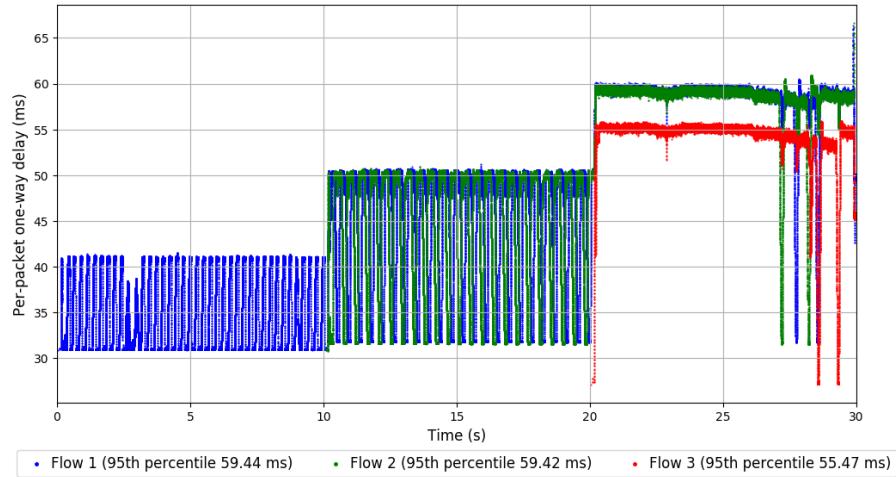
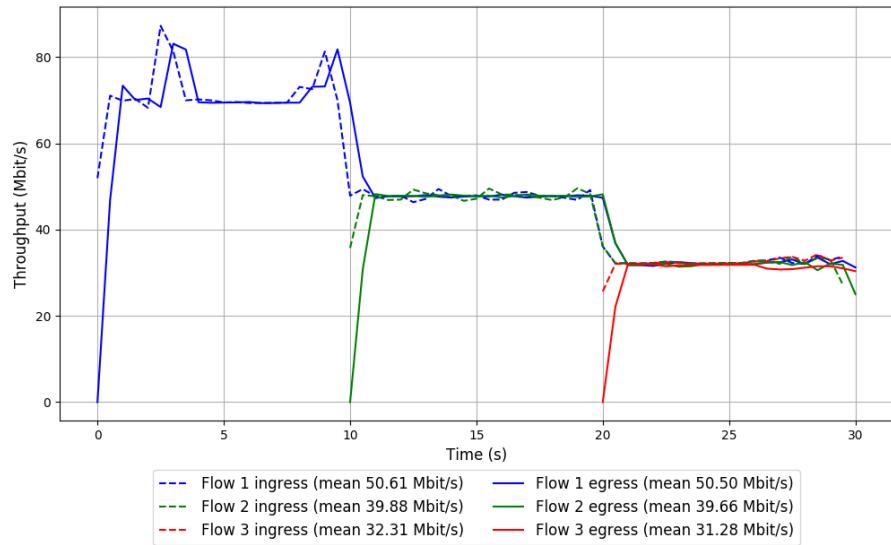


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-22 17:24:13
End at: 2018-05-22 17:24:43
Local clock offset: 1.6 ms
Remote clock offset: -9.619 ms

# Below is generated by plot.py at 2018-05-22 19:19:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: 59.404 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 50.50 Mbit/s
95th percentile per-packet one-way delay: 59.438 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 59.423 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 55.465 ms
Loss rate: 3.75%
```

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

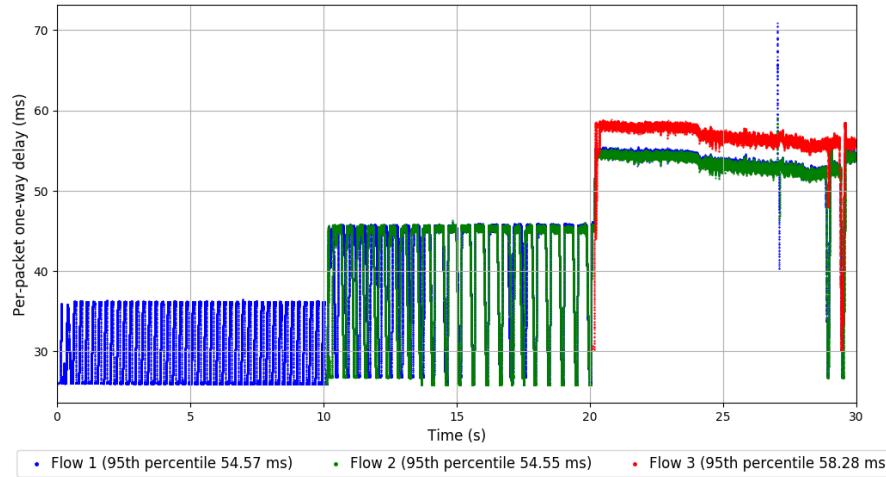
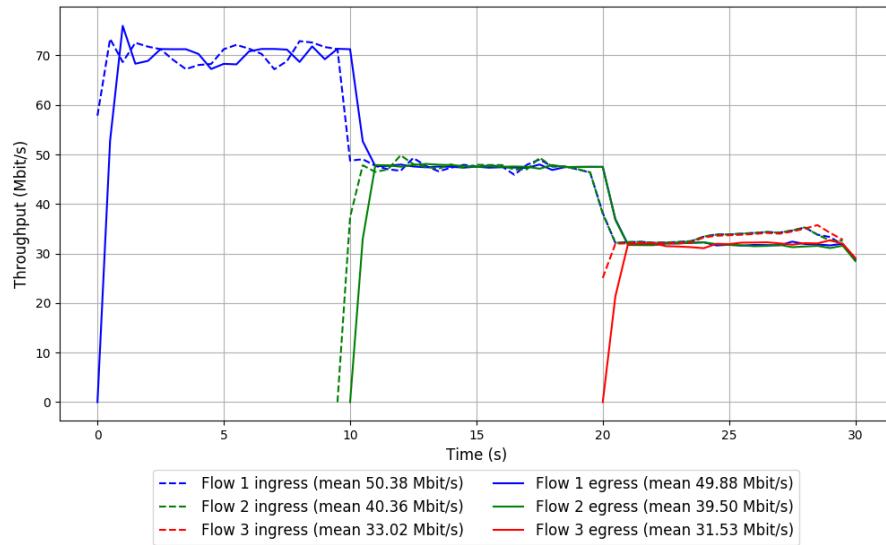


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-22 17:45:42
End at: 2018-05-22 17:46:12
Local clock offset: 1.333 ms
Remote clock offset: -12.272 ms

# Below is generated by plot.py at 2018-05-22 19:19:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.62 Mbit/s
95th percentile per-packet one-way delay: 57.103 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 49.88 Mbit/s
95th percentile per-packet one-way delay: 54.572 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 54.549 ms
Loss rate: 2.41%
-- Flow 3:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 58.284 ms
Loss rate: 5.08%
```

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

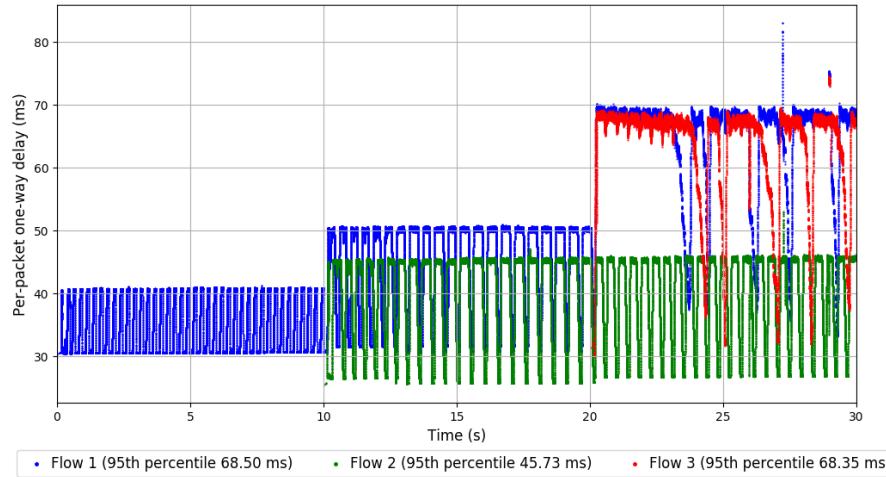
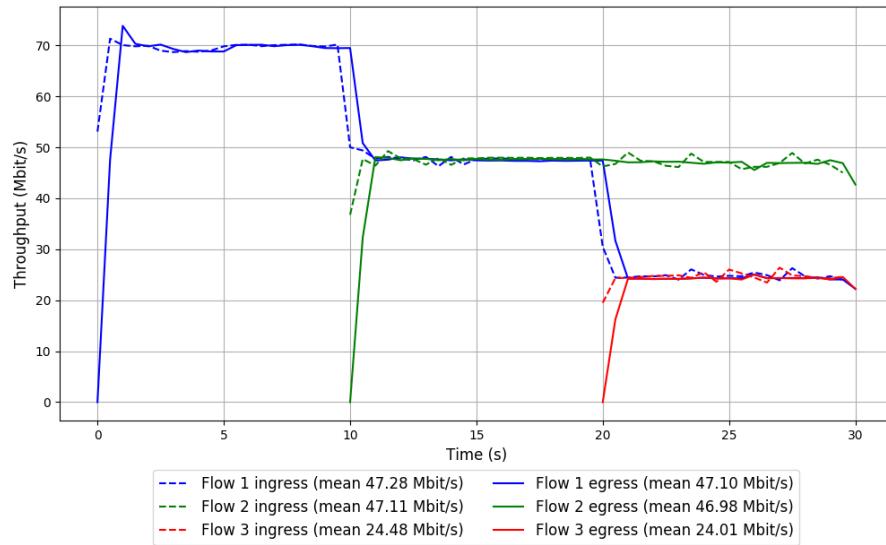


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-22 18:06:58
End at: 2018-05-22 18:07:28
Local clock offset: 1.446 ms
Remote clock offset: -7.983 ms

# Below is generated by plot.py at 2018-05-22 19:19:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.34 Mbit/s
95th percentile per-packet one-way delay: 68.152 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 47.10 Mbit/s
95th percentile per-packet one-way delay: 68.500 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 46.98 Mbit/s
95th percentile per-packet one-way delay: 45.725 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 24.01 Mbit/s
95th percentile per-packet one-way delay: 68.352 ms
Loss rate: 2.66%
```

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

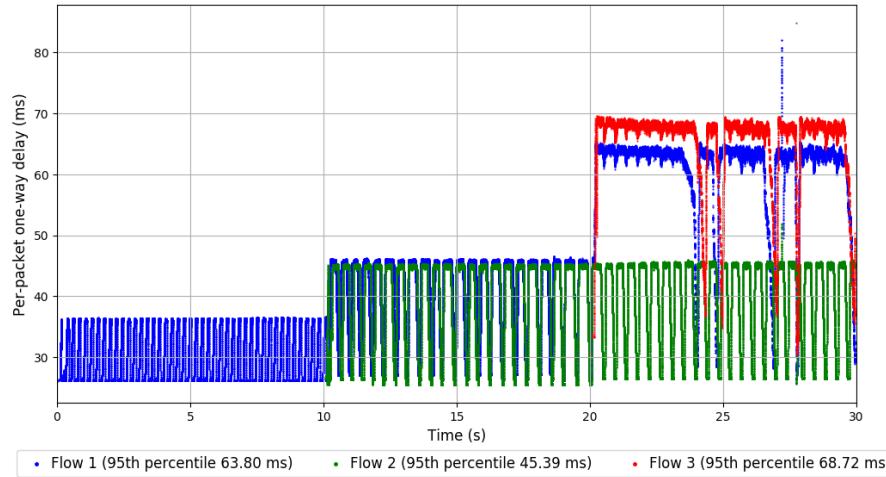
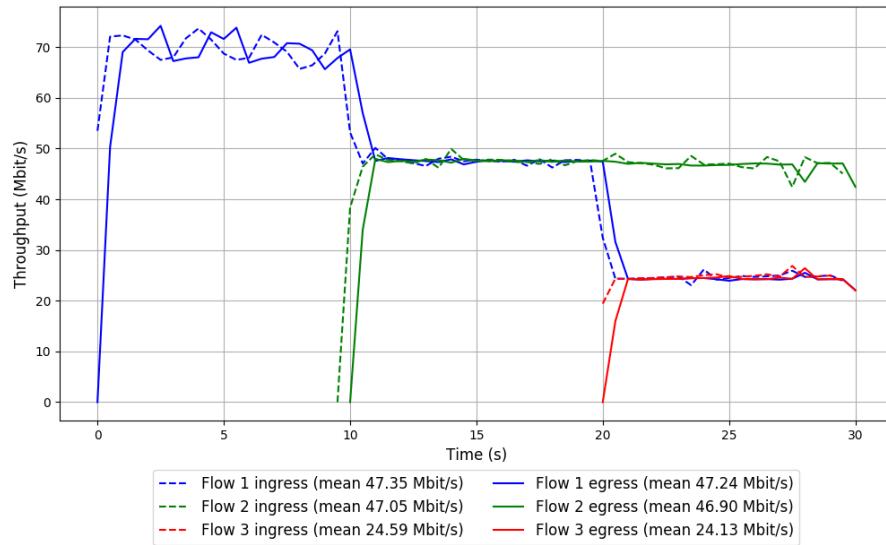


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-22 18:28:24
End at: 2018-05-22 18:28:54
Local clock offset: 1.294 ms
Remote clock offset: 3.24 ms

# Below is generated by plot.py at 2018-05-22 19:21:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 67.557 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 63.801 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 46.90 Mbit/s
95th percentile per-packet one-way delay: 45.388 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 68.725 ms
Loss rate: 2.46%
```

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

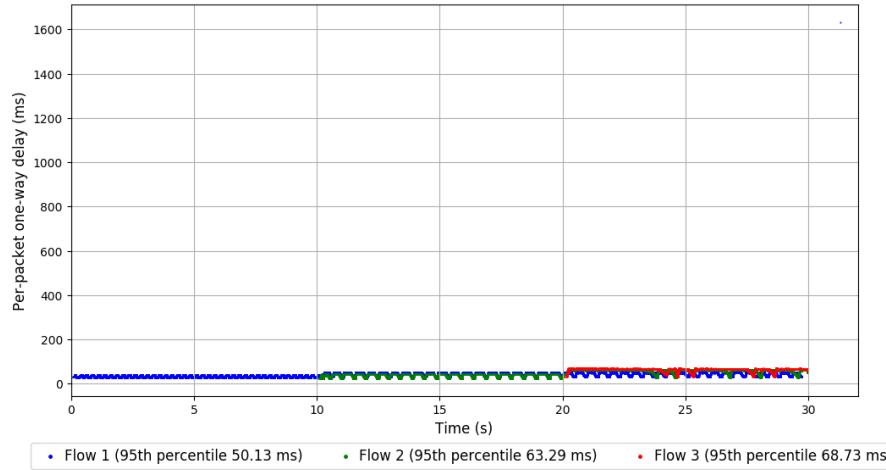
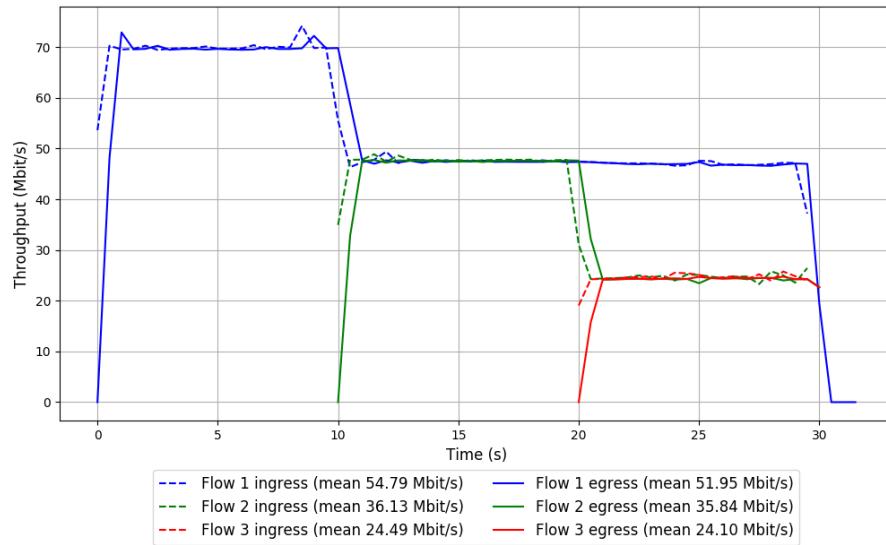


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-22 18:49:58
End at: 2018-05-22 18:50:28
Local clock offset: 0.687 ms
Remote clock offset: 1.71 ms

# Below is generated by plot.py at 2018-05-22 19:21:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.41 Mbit/s
95th percentile per-packet one-way delay: 67.469 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: 50.134 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 35.84 Mbit/s
95th percentile per-packet one-way delay: 63.292 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 24.10 Mbit/s
95th percentile per-packet one-way delay: 68.733 ms
Loss rate: 2.24%
```

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

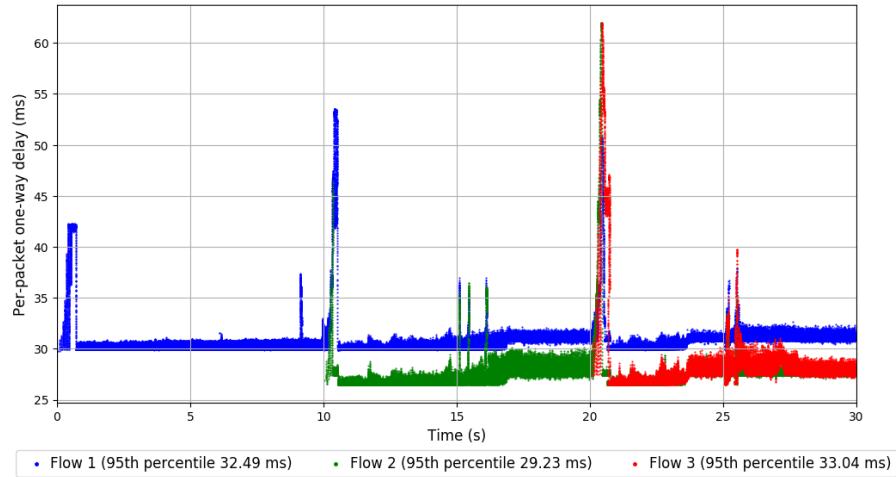
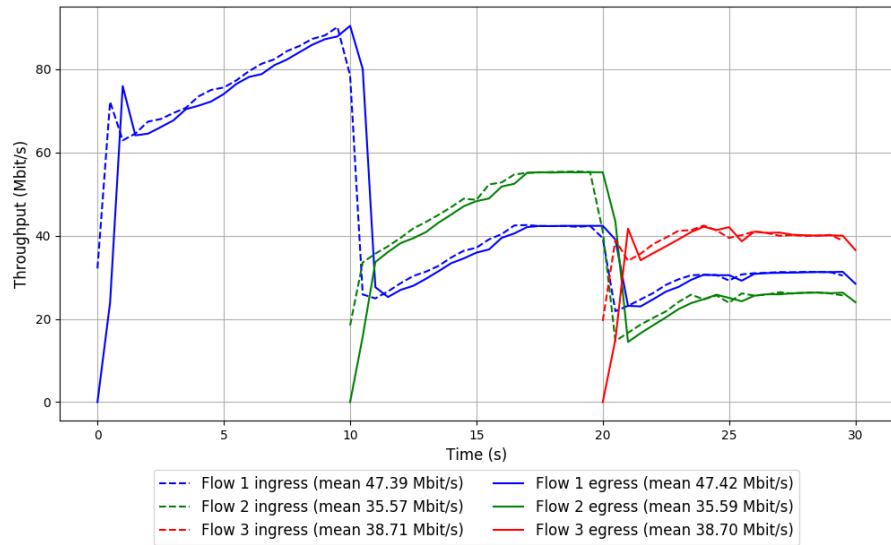


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-22 15:41:19
End at: 2018-05-22 15:41:49
Local clock offset: 1.365 ms
Remote clock offset: -0.856 ms

# Below is generated by plot.py at 2018-05-22 19:21:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.93 Mbit/s
95th percentile per-packet one-way delay: 31.928 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 32.487 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.59 Mbit/s
95th percentile per-packet one-way delay: 29.225 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 33.044 ms
Loss rate: 0.60%
```

Run 1: Report of TCP Vegas — Data Link

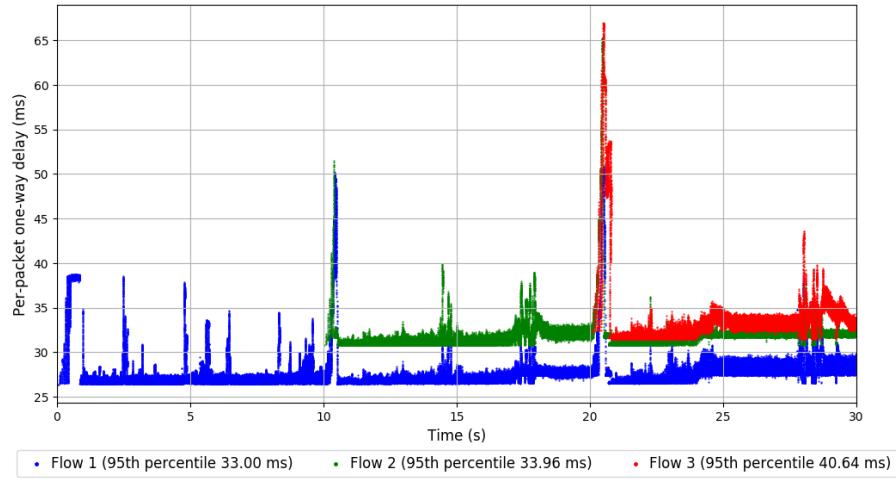
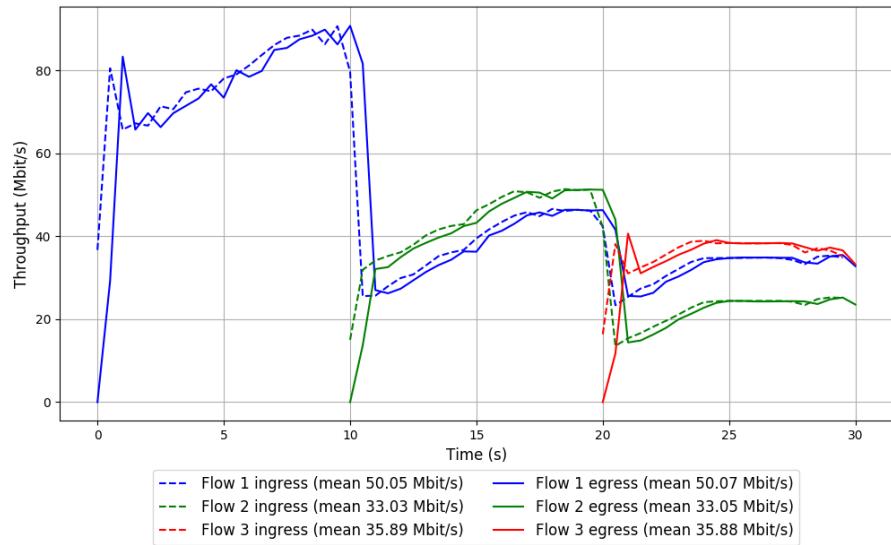


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-22 16:02:35
End at: 2018-05-22 16:03:05
Local clock offset: 1.191 ms
Remote clock offset: -0.602 ms

# Below is generated by plot.py at 2018-05-22 19:21:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.93 Mbit/s
95th percentile per-packet one-way delay: 35.065 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 32.998 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 33.963 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 35.88 Mbit/s
95th percentile per-packet one-way delay: 40.637 ms
Loss rate: 0.64%
```

Run 2: Report of TCP Vegas — Data Link

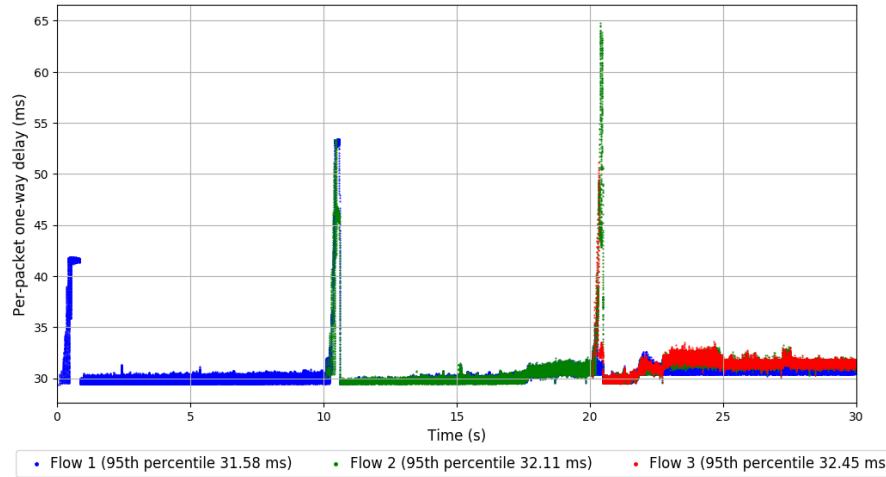
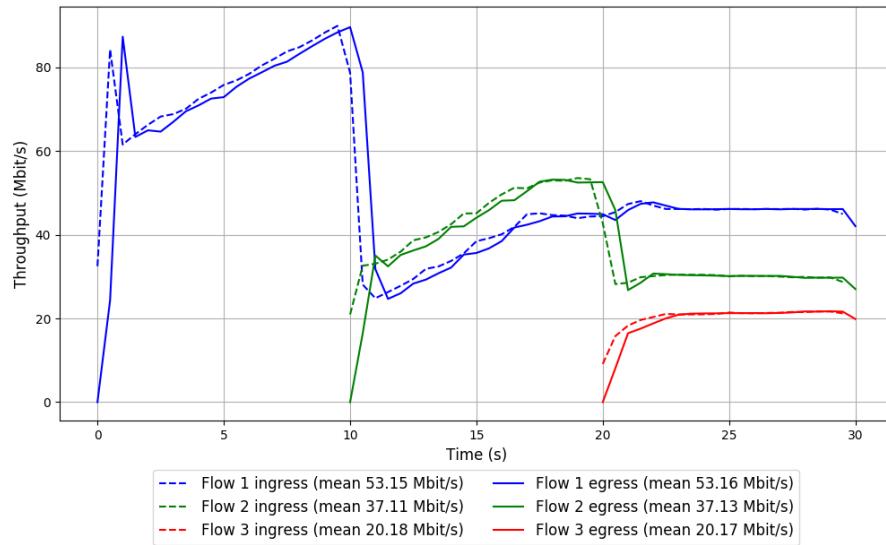


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-22 16:23:57
End at: 2018-05-22 16:24:27
Local clock offset: 0.928 ms
Remote clock offset: 0.633 ms

# Below is generated by plot.py at 2018-05-22 19:21:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.54 Mbit/s
95th percentile per-packet one-way delay: 32.123 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 53.16 Mbit/s
95th percentile per-packet one-way delay: 31.576 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 32.110 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 20.17 Mbit/s
95th percentile per-packet one-way delay: 32.447 ms
Loss rate: 0.67%
```

Run 3: Report of TCP Vegas — Data Link

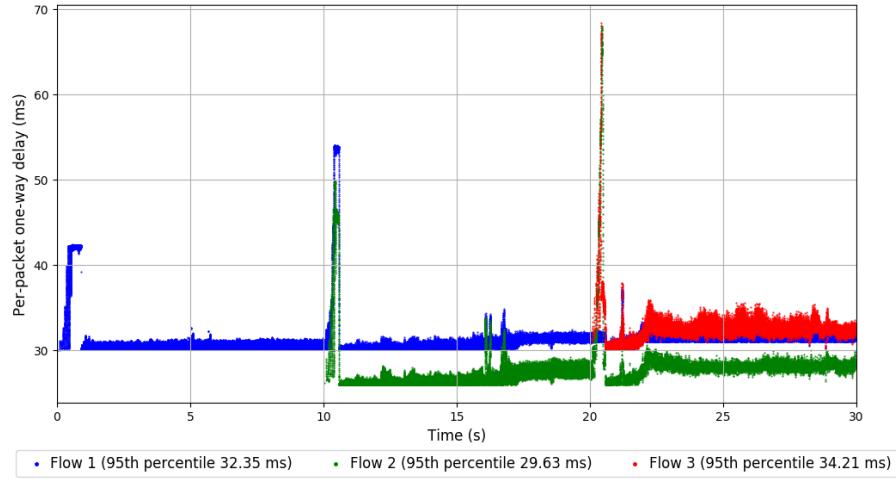
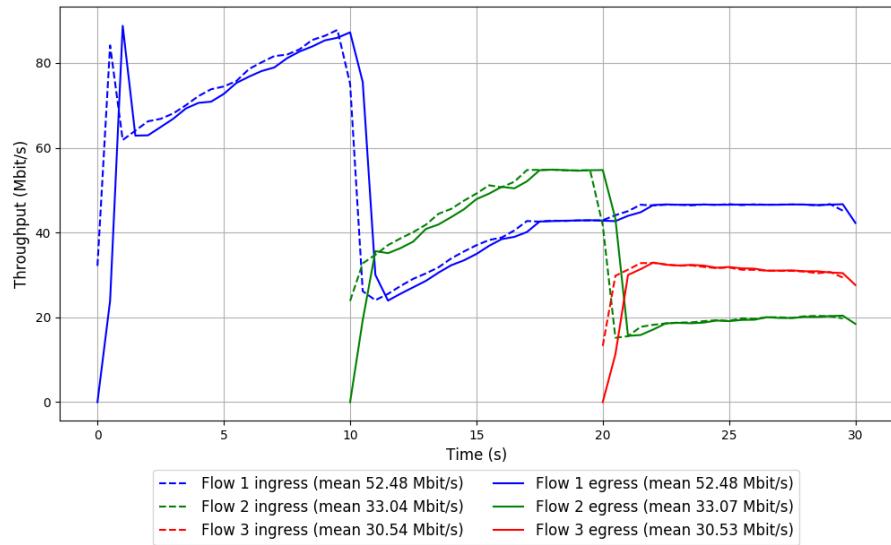


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-22 16:45:15
End at: 2018-05-22 16:45:45
Local clock offset: 1.189 ms
Remote clock offset: 1.253 ms

# Below is generated by plot.py at 2018-05-22 19:21:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 33.419 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 52.48 Mbit/s
95th percentile per-packet one-way delay: 32.351 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 33.07 Mbit/s
95th percentile per-packet one-way delay: 29.634 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 34.210 ms
Loss rate: 0.63%
```

Run 4: Report of TCP Vegas — Data Link

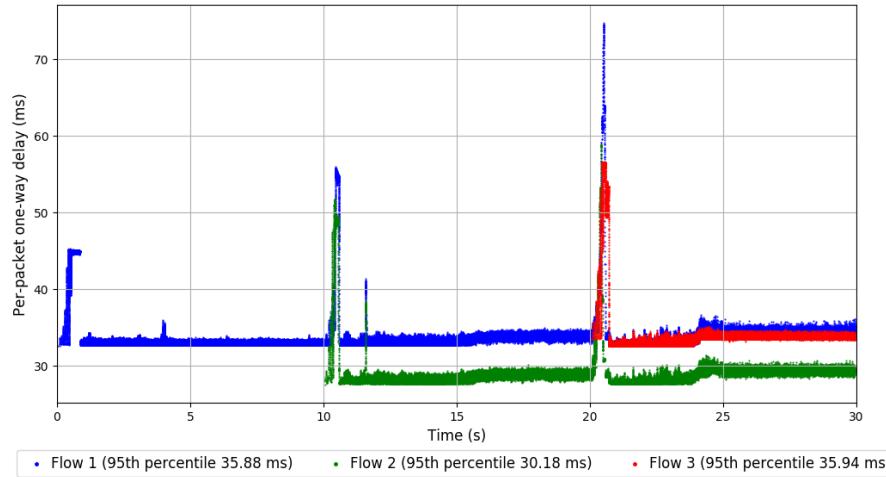
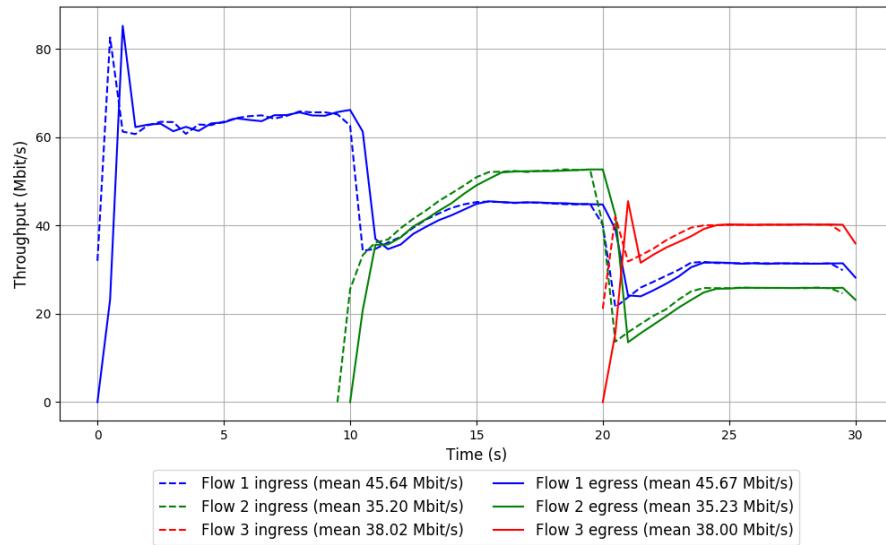


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-22 17:06:50
End at: 2018-05-22 17:07:20
Local clock offset: 0.842 ms
Remote clock offset: -8.079 ms

# Below is generated by plot.py at 2018-05-22 19:21:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.71 Mbit/s
95th percentile per-packet one-way delay: 35.174 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 45.67 Mbit/s
95th percentile per-packet one-way delay: 35.880 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 35.23 Mbit/s
95th percentile per-packet one-way delay: 30.184 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 35.944 ms
Loss rate: 0.67%
```

Run 5: Report of TCP Vegas — Data Link

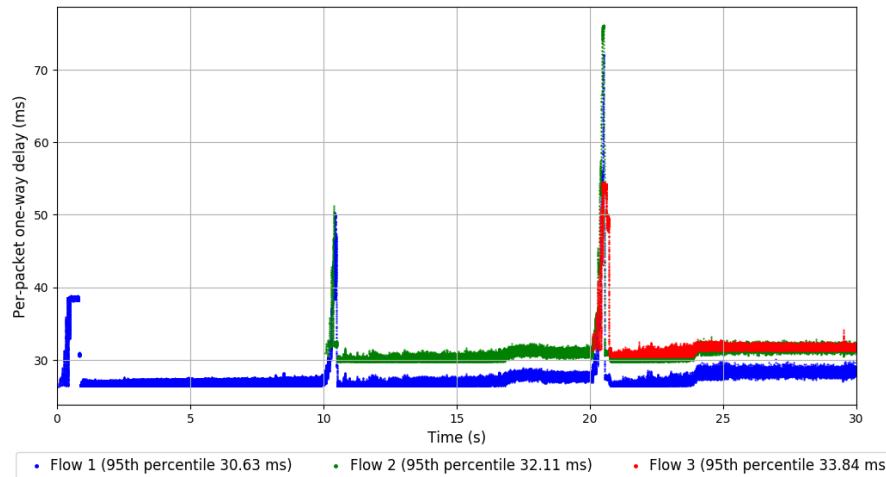
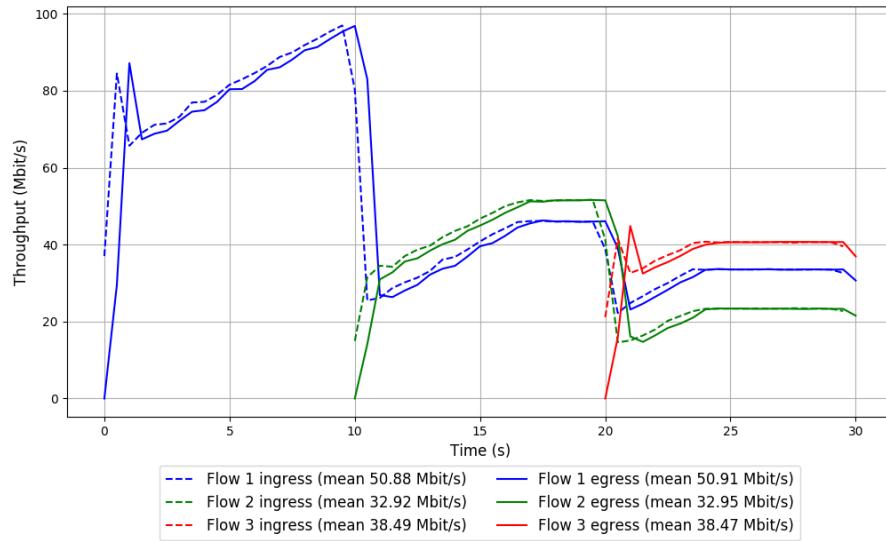


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-22 17:28:09
End at: 2018-05-22 17:28:39
Local clock offset: 1.501 ms
Remote clock offset: -10.272 ms

# Below is generated by plot.py at 2018-05-22 19:21:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.58 Mbit/s
95th percentile per-packet one-way delay: 32.155 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 50.91 Mbit/s
95th percentile per-packet one-way delay: 30.630 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 32.106 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 38.47 Mbit/s
95th percentile per-packet one-way delay: 33.843 ms
Loss rate: 0.66%
```

Run 6: Report of TCP Vegas — Data Link

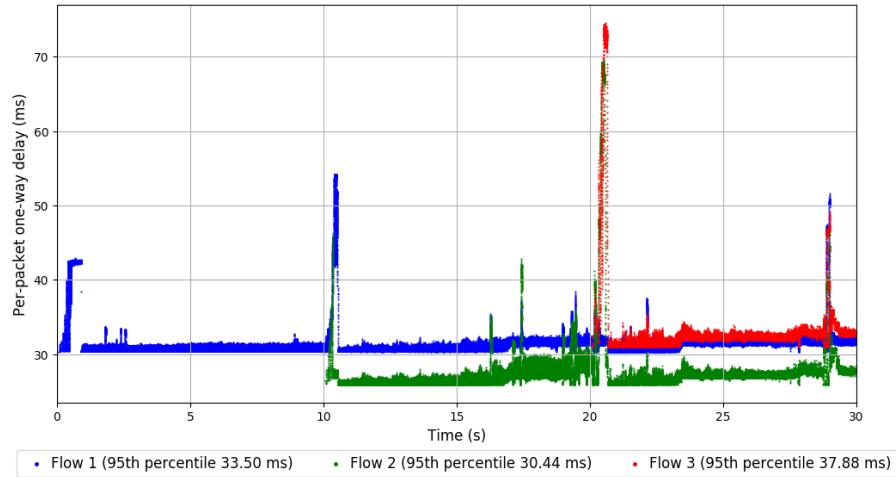
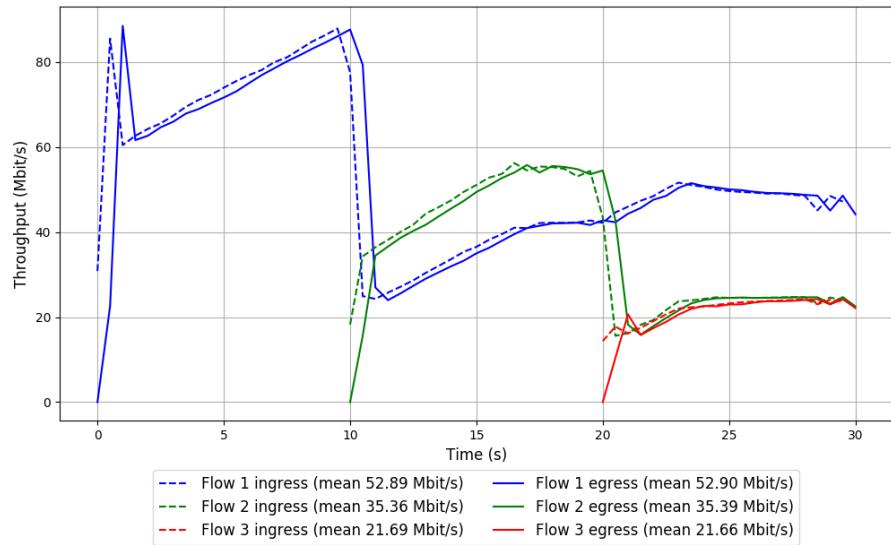


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-22 17:49:38
End at: 2018-05-22 17:50:08
Local clock offset: 1.419 ms
Remote clock offset: -12.794 ms

# Below is generated by plot.py at 2018-05-22 19:21:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.62 Mbit/s
95th percentile per-packet one-way delay: 33.359 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 33.504 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 35.39 Mbit/s
95th percentile per-packet one-way delay: 30.438 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 21.66 Mbit/s
95th percentile per-packet one-way delay: 37.876 ms
Loss rate: 0.72%
```

Run 7: Report of TCP Vegas — Data Link

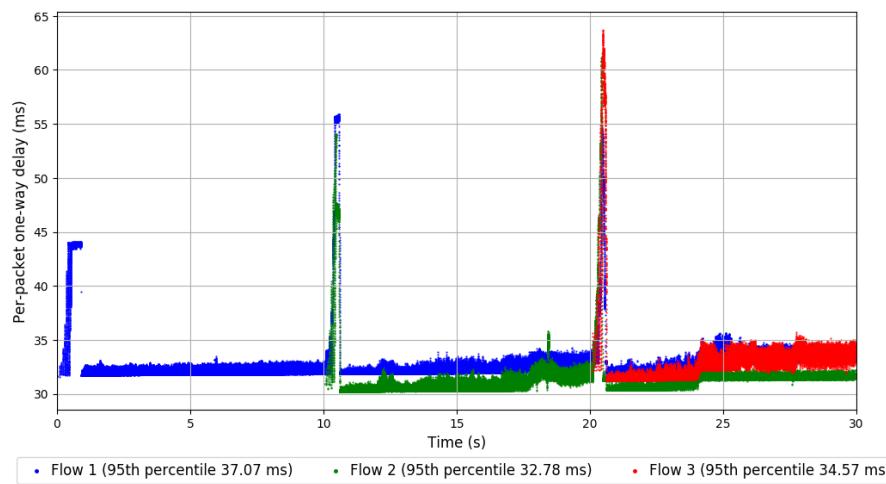
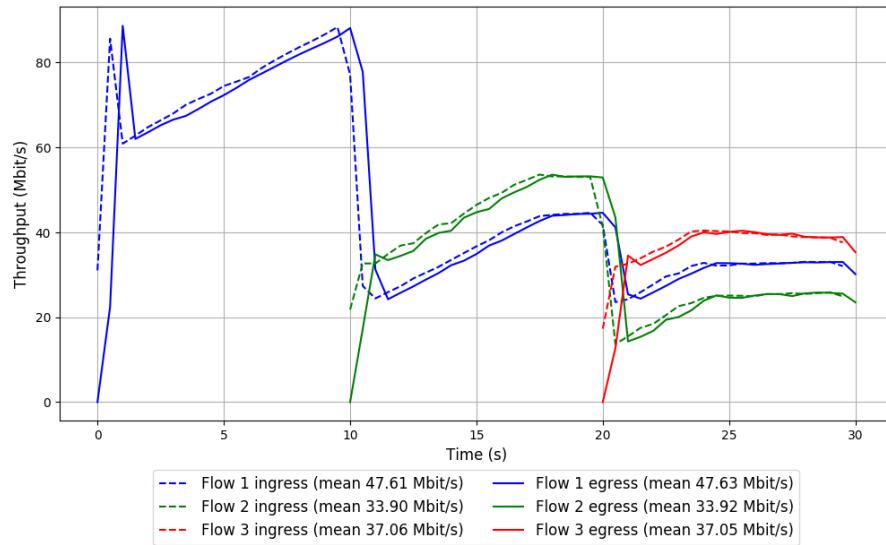


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-22 18:10:54
End at: 2018-05-22 18:11:24
Local clock offset: 1.367 ms
Remote clock offset: -4.792 ms

# Below is generated by plot.py at 2018-05-22 19:21:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.47 Mbit/s
95th percentile per-packet one-way delay: 34.720 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 47.63 Mbit/s
95th percentile per-packet one-way delay: 37.072 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 33.92 Mbit/s
95th percentile per-packet one-way delay: 32.780 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 34.573 ms
Loss rate: 0.66%
```

Run 8: Report of TCP Vegas — Data Link

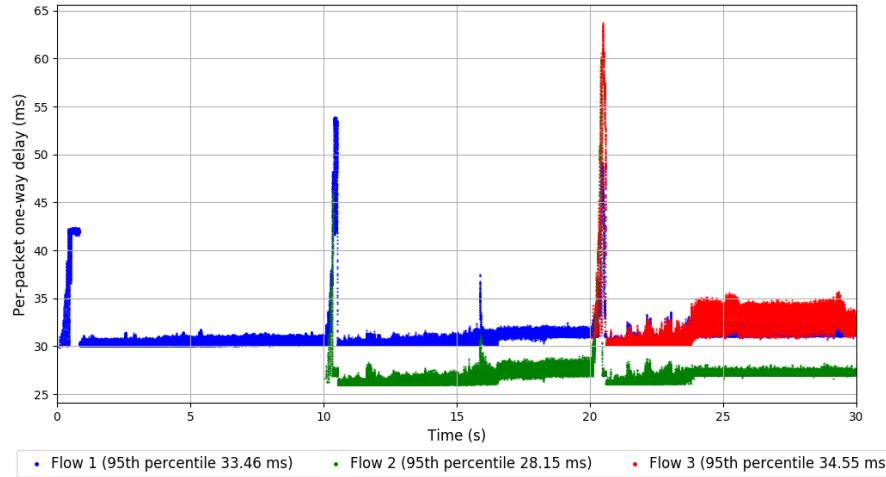
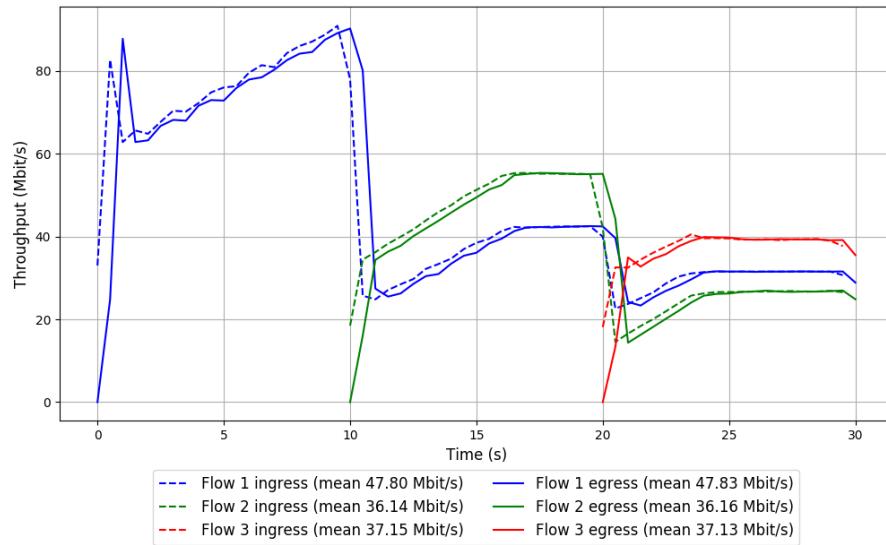


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-22 18:32:21
End at: 2018-05-22 18:32:51
Local clock offset: 1.081 ms
Remote clock offset: 3.705 ms

# Below is generated by plot.py at 2018-05-22 19:21:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.20 Mbit/s
95th percentile per-packet one-way delay: 34.058 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 47.83 Mbit/s
95th percentile per-packet one-way delay: 33.463 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 36.16 Mbit/s
95th percentile per-packet one-way delay: 28.147 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 34.555 ms
Loss rate: 0.65%
```

Run 9: Report of TCP Vegas — Data Link

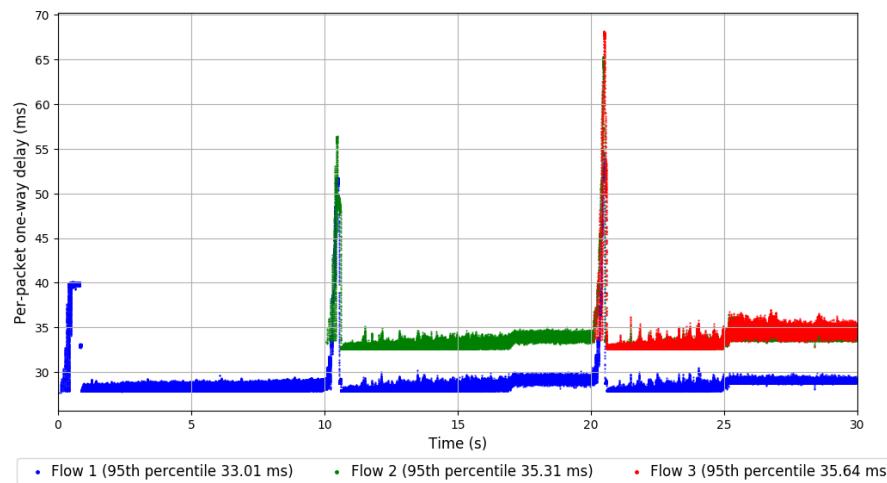
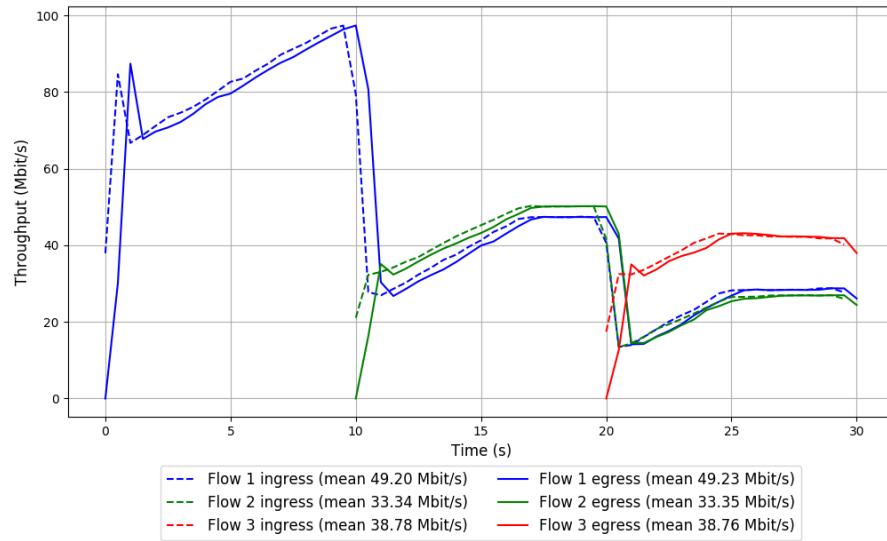


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-22 18:53:55
End at: 2018-05-22 18:54:25
Local clock offset: 0.668 ms
Remote clock offset: -0.861 ms

# Below is generated by plot.py at 2018-05-22 19:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.26 Mbit/s
95th percentile per-packet one-way delay: 35.378 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 49.23 Mbit/s
95th percentile per-packet one-way delay: 33.014 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 33.35 Mbit/s
95th percentile per-packet one-way delay: 35.312 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 35.640 ms
Loss rate: 0.68%
```

Run 10: Report of TCP Vegas — Data Link

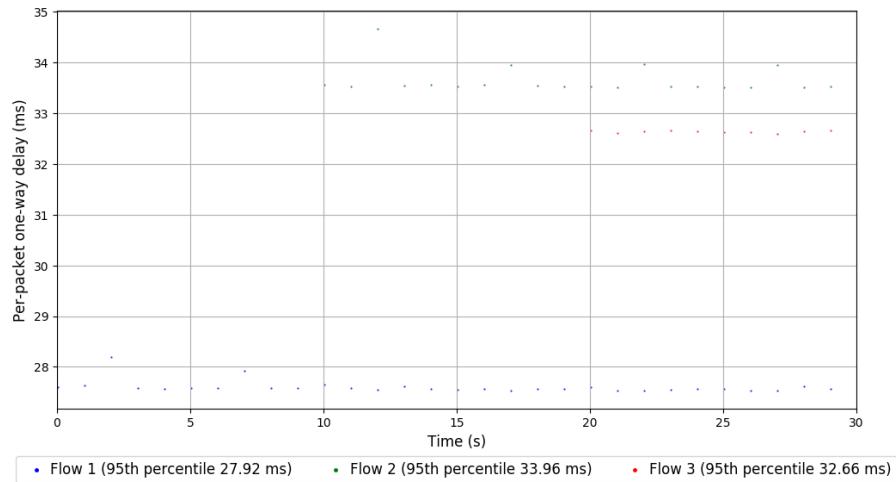
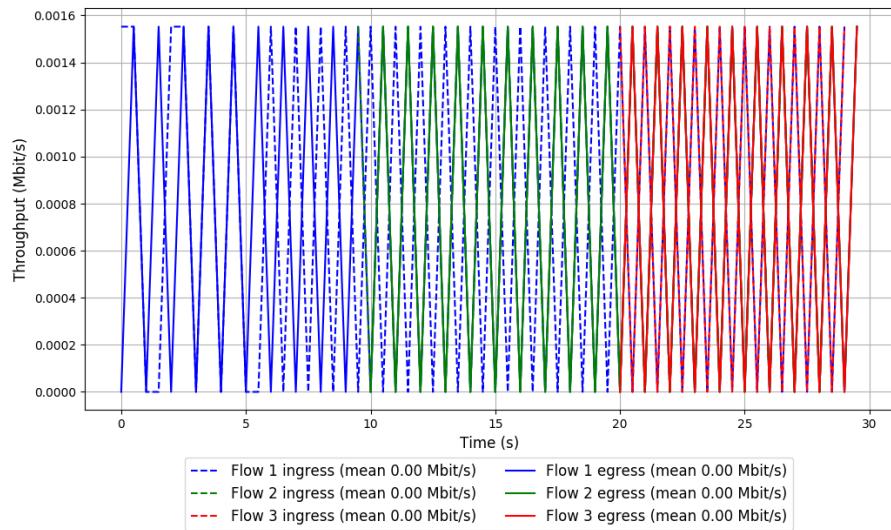


Run 1: Statistics of Verus

```
Start at: 2018-05-22 15:30:51
End at: 2018-05-22 15:31:21
Local clock offset: 1.022 ms
Remote clock offset: -2.853 ms

# Below is generated by plot.py at 2018-05-22 19:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 33.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 27.922 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 33.960 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.663 ms
Loss rate: 0.00%
```

Run 1: Report of Verus — Data Link

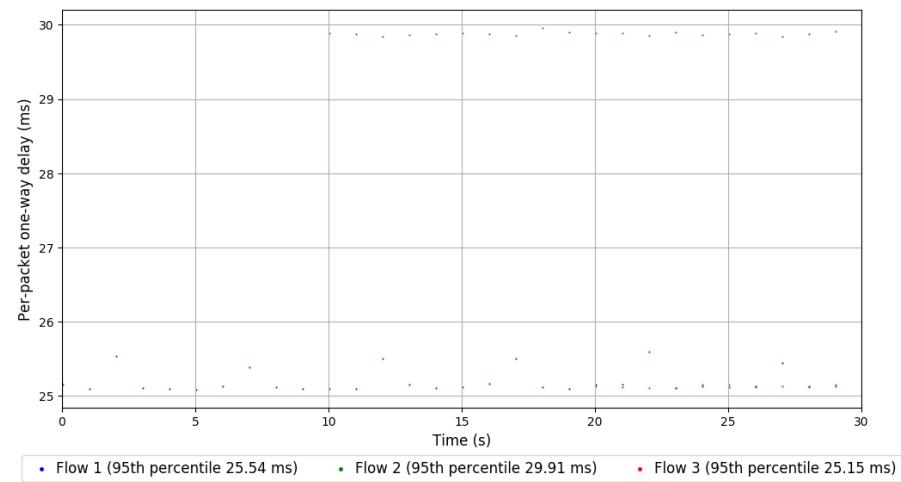
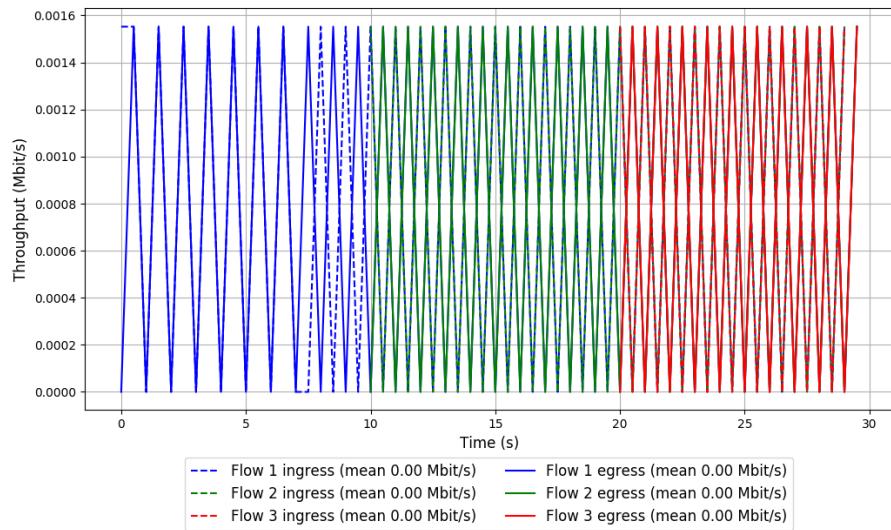


Run 2: Statistics of Verus

```
Start at: 2018-05-22 15:52:07
End at: 2018-05-22 15:52:37
Local clock offset: 1.412 ms
Remote clock offset: -0.24 ms

# Below is generated by plot.py at 2018-05-22 19:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 25.543 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.913 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 25.152 ms
Loss rate: 0.00%
```

Run 2: Report of Verus — Data Link

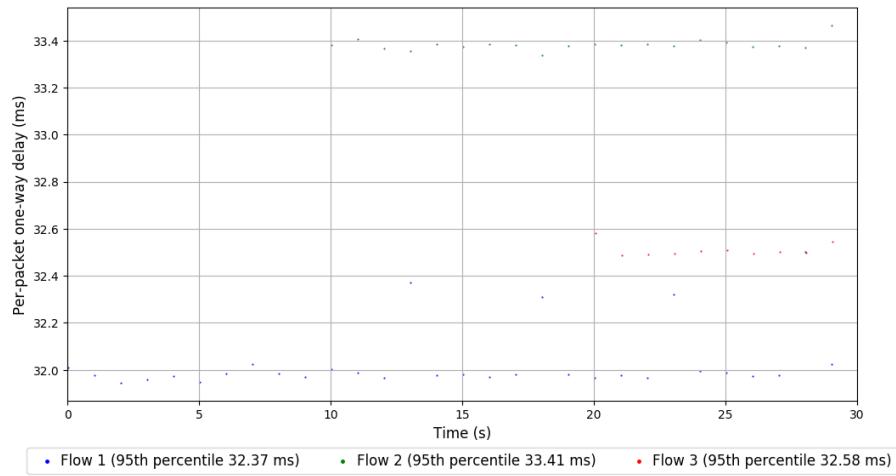
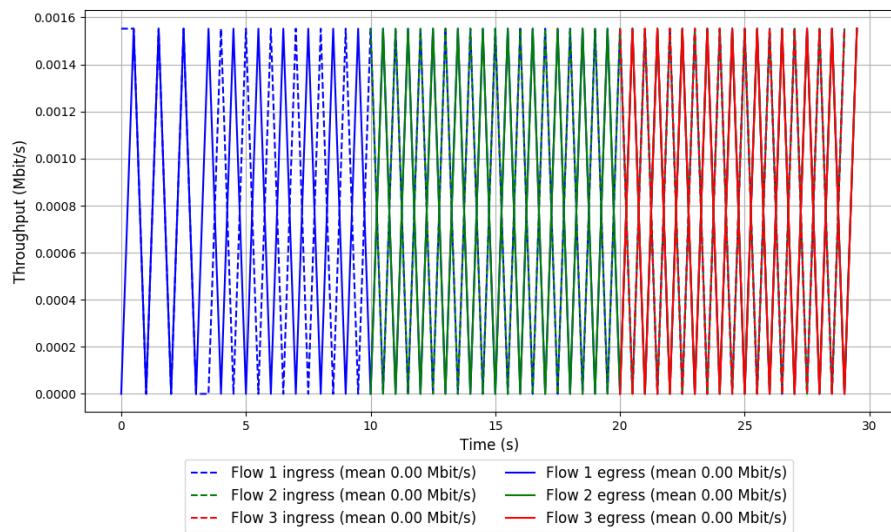


Run 3: Statistics of Verus

```
Start at: 2018-05-22 16:13:26
End at: 2018-05-22 16:13:56
Local clock offset: 1.011 ms
Remote clock offset: -2.272 ms

# Below is generated by plot.py at 2018-05-22 19:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 33.392 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.372 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 33.407 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.581 ms
Loss rate: 0.00%
```

Run 3: Report of Verus — Data Link

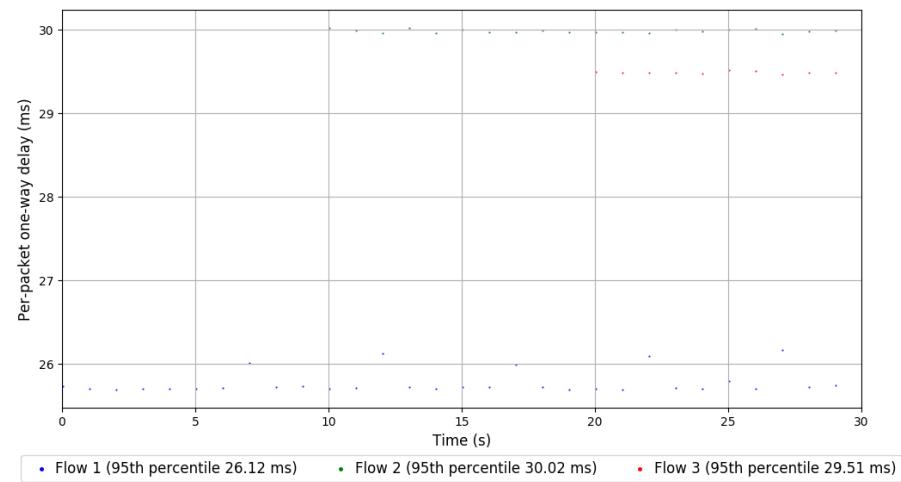
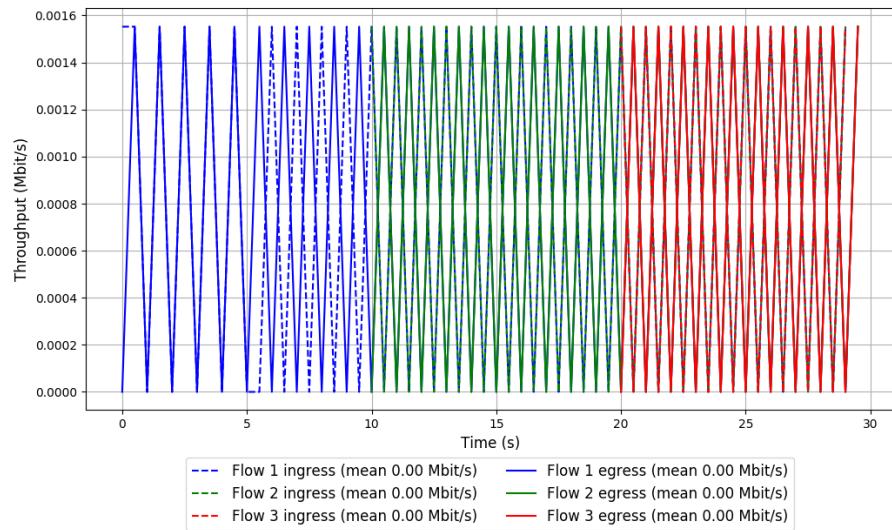


Run 4: Statistics of Verus

```
Start at: 2018-05-22 16:34:47
End at: 2018-05-22 16:35:17
Local clock offset: 1.076 ms
Remote clock offset: 1.028 ms

# Below is generated by plot.py at 2018-05-22 19:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.005 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 26.125 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.018 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.514 ms
Loss rate: 0.00%
```

Run 4: Report of Verus — Data Link

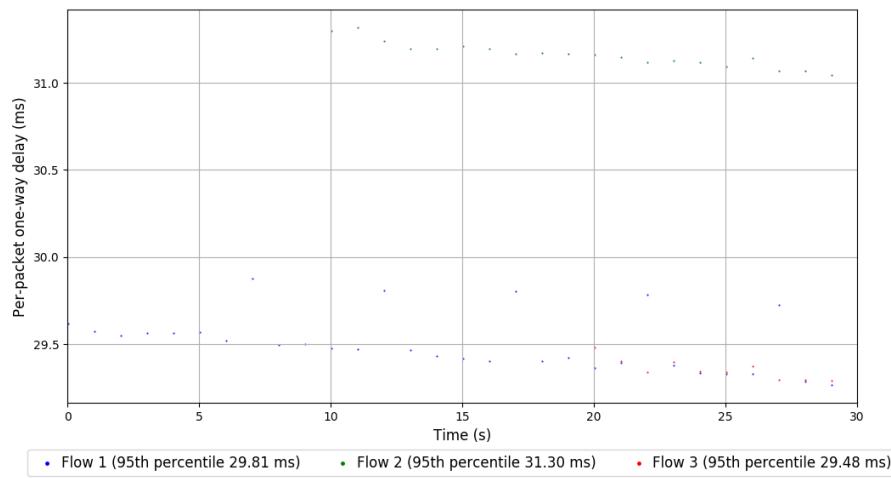
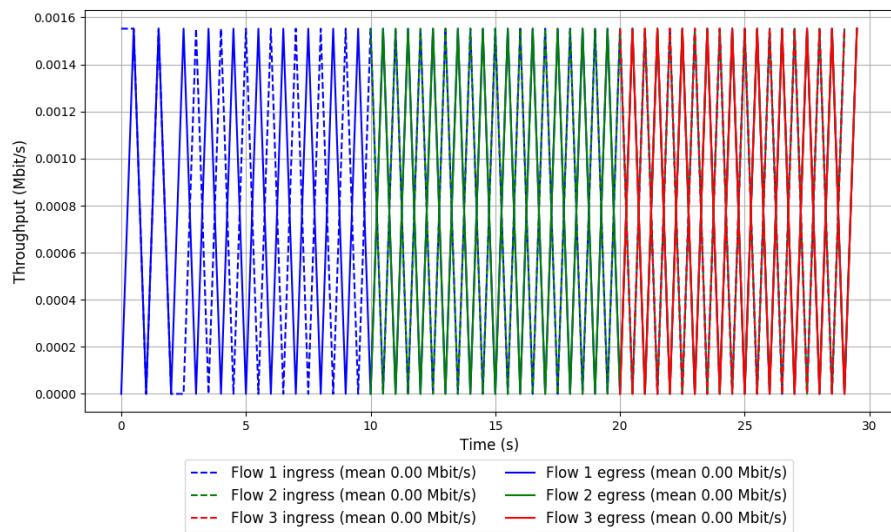


Run 5: Statistics of Verus

```
Start at: 2018-05-22 16:56:09
End at: 2018-05-22 16:56:39
Local clock offset: 1.238 ms
Remote clock offset: -0.905 ms

# Below is generated by plot.py at 2018-05-22 19:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 31.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.810 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 31.299 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.481 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link

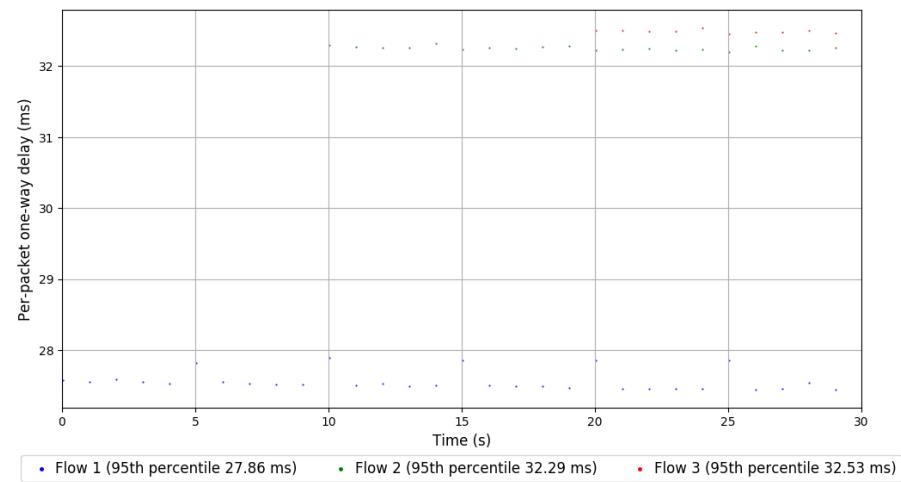
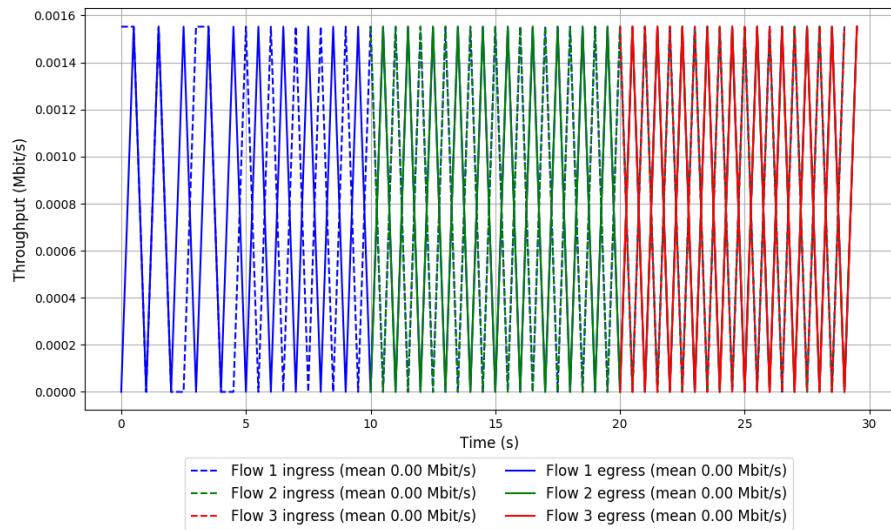


Run 6: Statistics of Verus

```
Start at: 2018-05-22 17:17:41
End at: 2018-05-22 17:18:11
Local clock offset: 1.283 ms
Remote clock offset: -10.438 ms

# Below is generated by plot.py at 2018-05-22 19:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 27.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.533 ms
Loss rate: 0.00%
```

Run 6: Report of Verus — Data Link

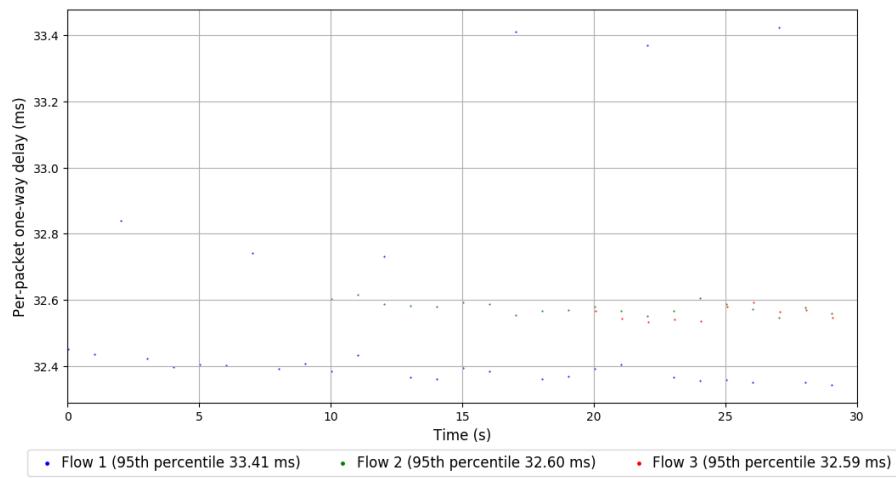
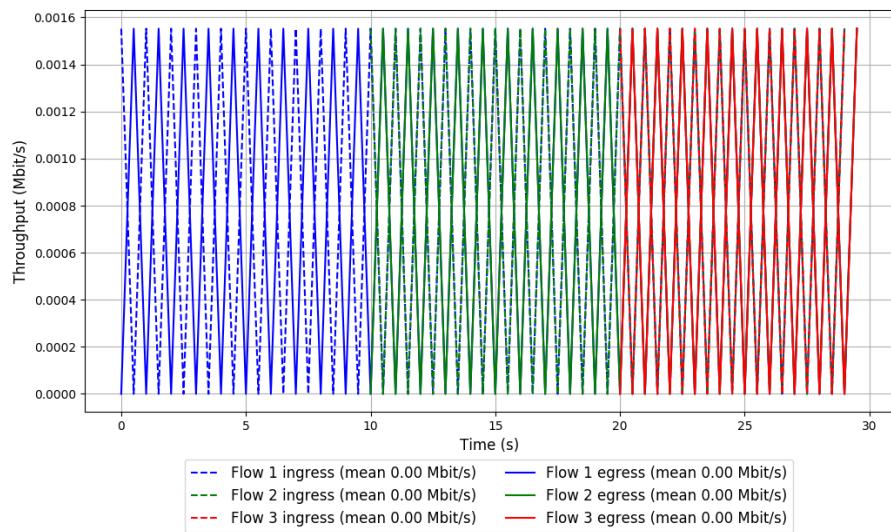


Run 7: Statistics of Verus

```
Start at: 2018-05-22 17:38:57
End at: 2018-05-22 17:39:27
Local clock offset: 1.362 ms
Remote clock offset: -13.859 ms

# Below is generated by plot.py at 2018-05-22 19:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 33.410 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.605 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.592 ms
Loss rate: 0.00%
```

Run 7: Report of Verus — Data Link

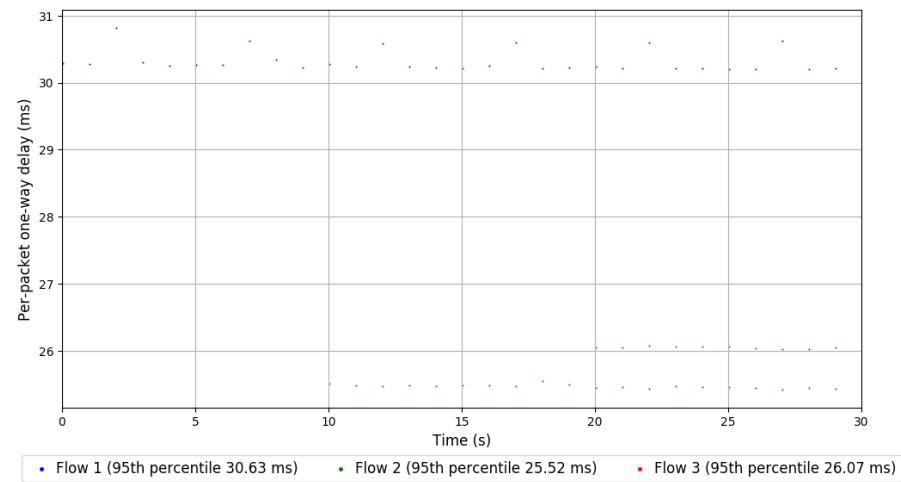
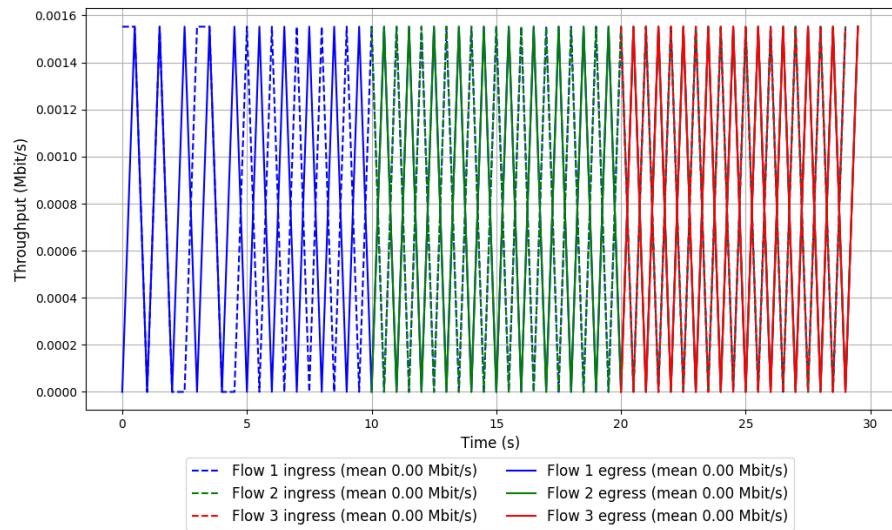


Run 8: Statistics of Verus

```
Start at: 2018-05-22 18:00:26
End at: 2018-05-22 18:00:56
Local clock offset: 1.368 ms
Remote clock offset: -14.594 ms

# Below is generated by plot.py at 2018-05-22 19:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.604 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.630 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 25.516 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 26.070 ms
Loss rate: 0.00%
```

Run 8: Report of Verus — Data Link

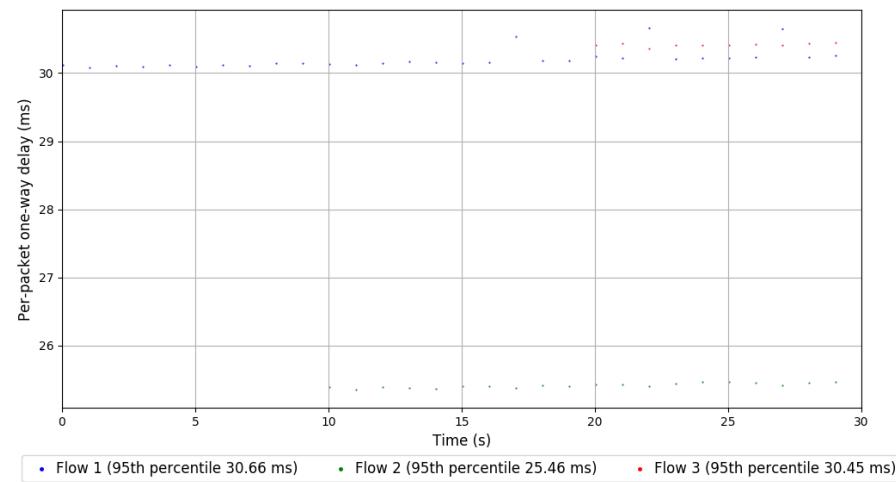
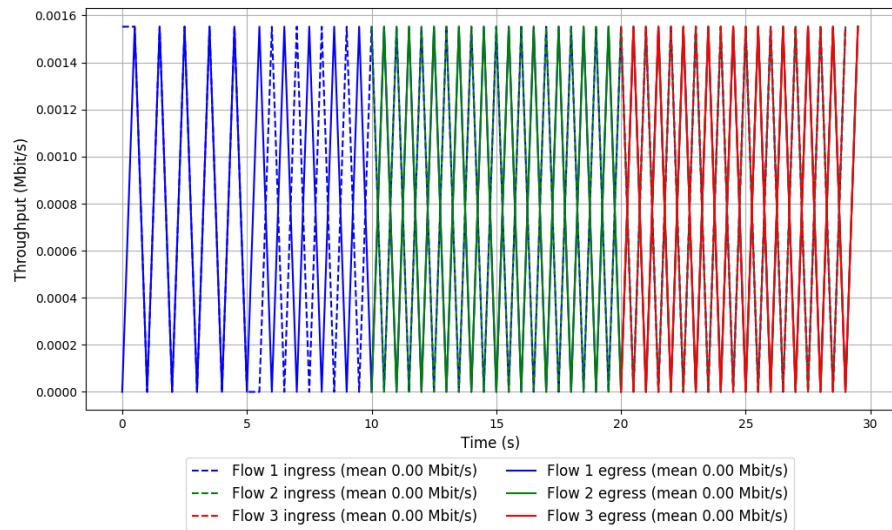


Run 9: Statistics of Verus

```
Start at: 2018-05-22 18:21:52
End at: 2018-05-22 18:22:22
Local clock offset: 1.435 ms
Remote clock offset: 1.364 ms

# Below is generated by plot.py at 2018-05-22 19:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.656 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 25.463 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.447 ms
Loss rate: 0.00%
```

Run 9: Report of Verus — Data Link

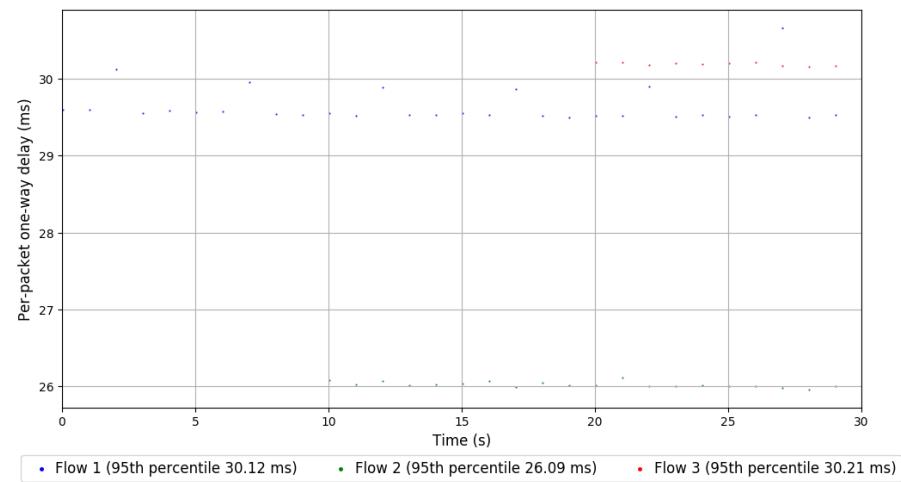
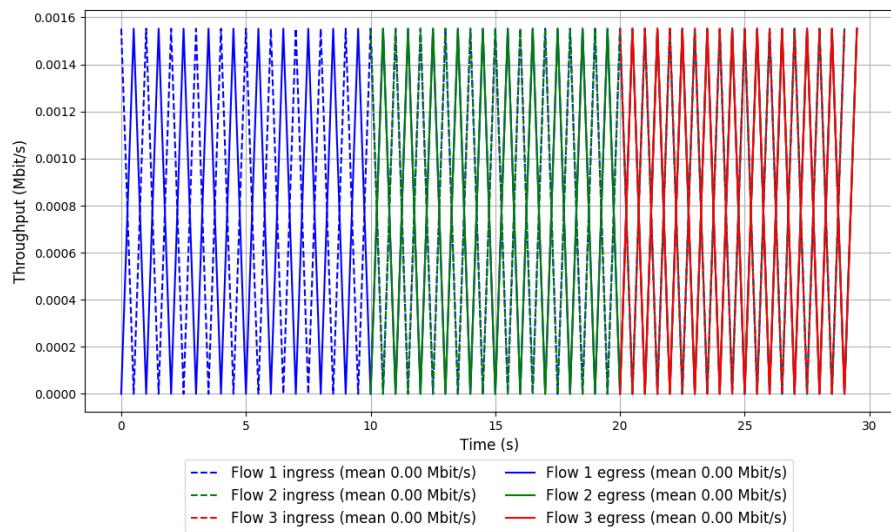


Run 10: Statistics of Verus

```
Start at: 2018-05-22 18:43:25
End at: 2018-05-22 18:43:55
Local clock offset: 0.703 ms
Remote clock offset: 2.219 ms

# Below is generated by plot.py at 2018-05-22 19:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.123 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 26.086 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.215 ms
Loss rate: 0.00%
```

Run 10: Report of Verus — Data Link

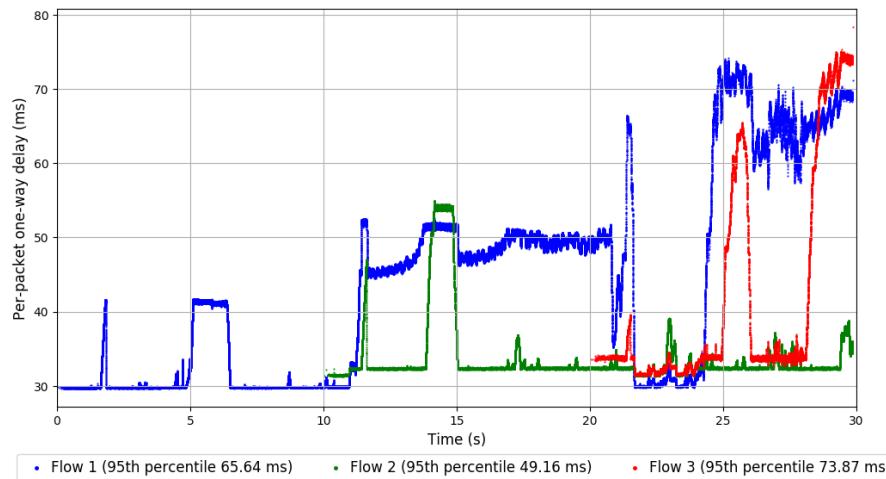
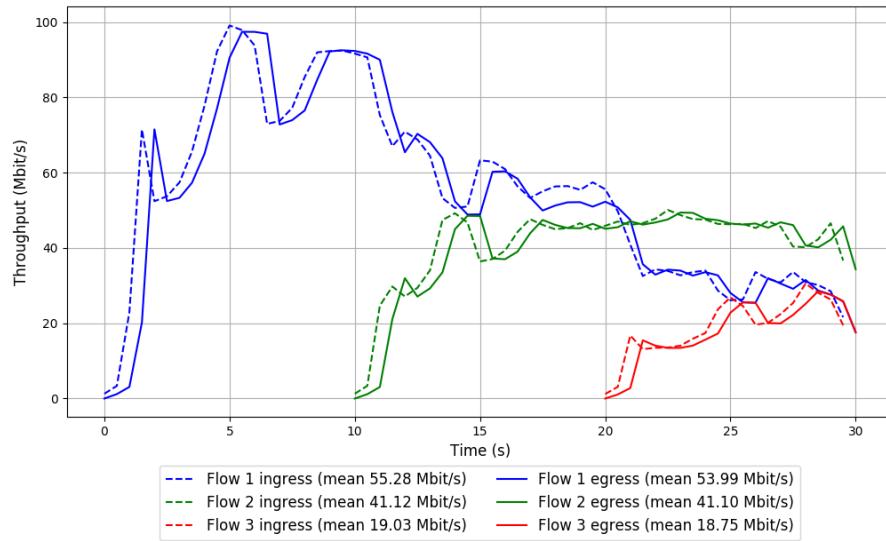


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2018-05-22 15:43:59
End at: 2018-05-22 15:44:29
Local clock offset: 1.313 ms
Remote clock offset: -0.835 ms

# Below is generated by plot.py at 2018-05-22 19:22:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.46 Mbit/s
95th percentile per-packet one-way delay: 64.784 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 53.99 Mbit/s
95th percentile per-packet one-way delay: 65.638 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 41.10 Mbit/s
95th percentile per-packet one-way delay: 49.164 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 18.75 Mbit/s
95th percentile per-packet one-way delay: 73.868 ms
Loss rate: 2.03%
```

Run 1: Report of PCC-Vivace — Data Link

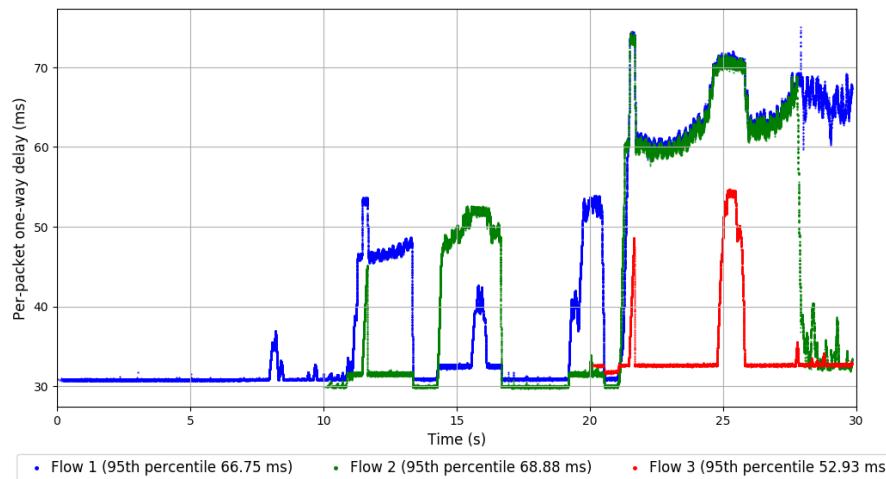
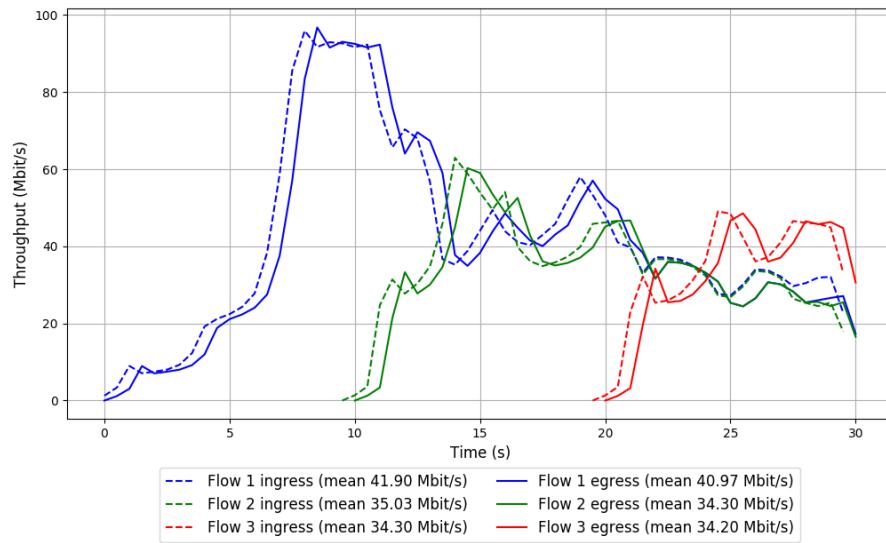


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-22 16:05:16
End at: 2018-05-22 16:05:46
Local clock offset: 1.196 ms
Remote clock offset: -0.534 ms

# Below is generated by plot.py at 2018-05-22 19:22:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.05 Mbit/s
95th percentile per-packet one-way delay: 66.219 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 66.754 ms
Loss rate: 2.45%
-- Flow 2:
Average throughput: 34.30 Mbit/s
95th percentile per-packet one-way delay: 68.875 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 34.20 Mbit/s
95th percentile per-packet one-way delay: 52.933 ms
Loss rate: 0.91%
```

Run 2: Report of PCC-Vivace — Data Link

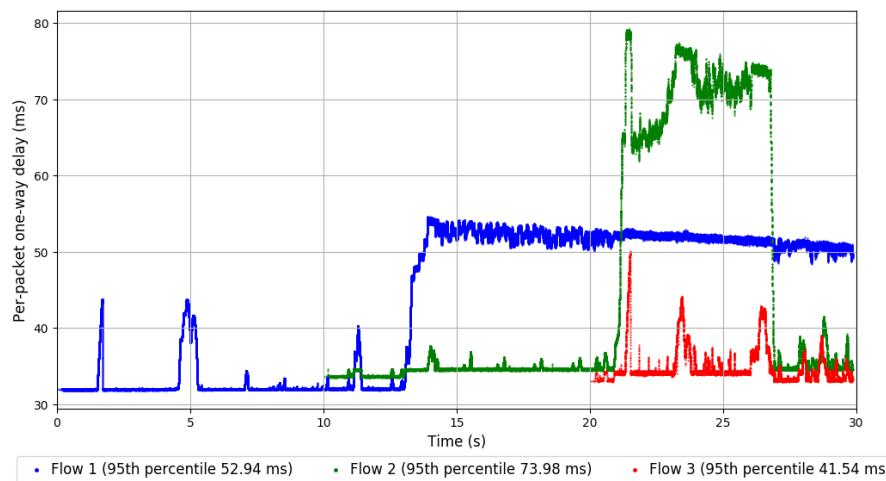
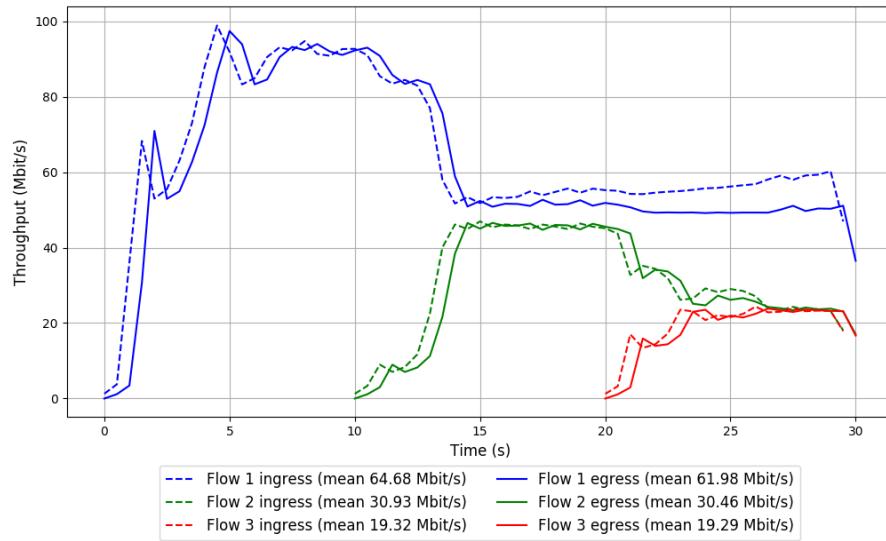


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-22 16:26:38
End at: 2018-05-22 16:27:08
Local clock offset: 0.843 ms
Remote clock offset: -1.809 ms

# Below is generated by plot.py at 2018-05-22 19:22:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 65.095 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 61.98 Mbit/s
95th percentile per-packet one-way delay: 52.935 ms
Loss rate: 4.38%
-- Flow 2:
Average throughput: 30.46 Mbit/s
95th percentile per-packet one-way delay: 73.980 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 19.29 Mbit/s
95th percentile per-packet one-way delay: 41.540 ms
Loss rate: 0.76%
```

Run 3: Report of PCC-Vivace — Data Link

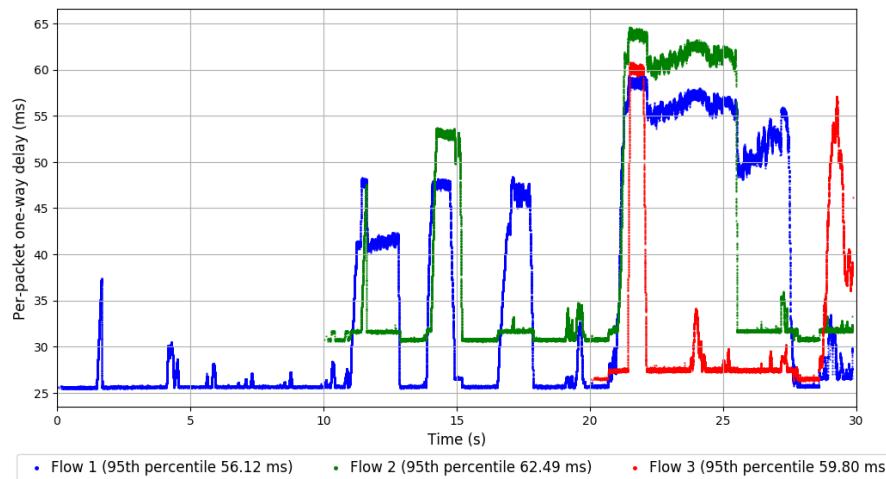
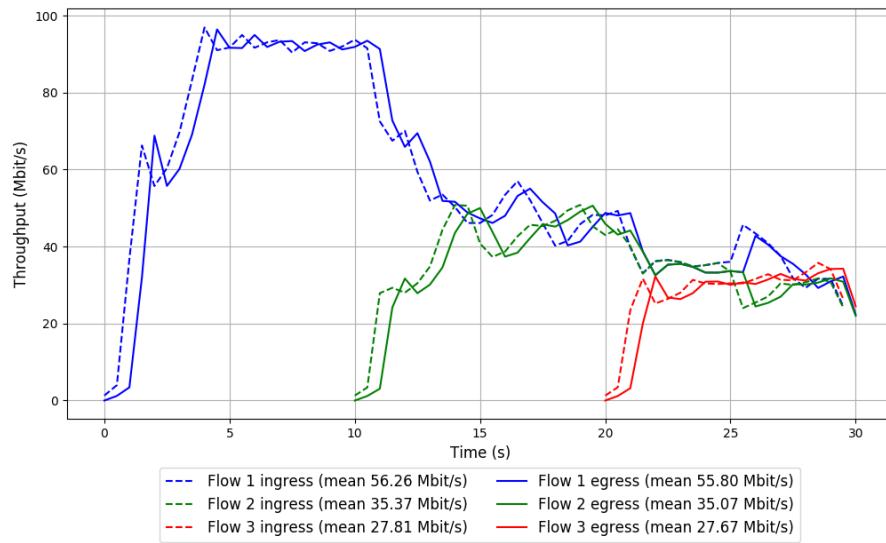


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-22 16:47:55
End at: 2018-05-22 16:48:25
Local clock offset: 1.132 ms
Remote clock offset: 0.858 ms

# Below is generated by plot.py at 2018-05-22 19:22:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.20 Mbit/s
95th percentile per-packet one-way delay: 60.332 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 56.119 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 62.489 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 27.67 Mbit/s
95th percentile per-packet one-way delay: 59.803 ms
Loss rate: 1.01%
```

Run 4: Report of PCC-Vivace — Data Link

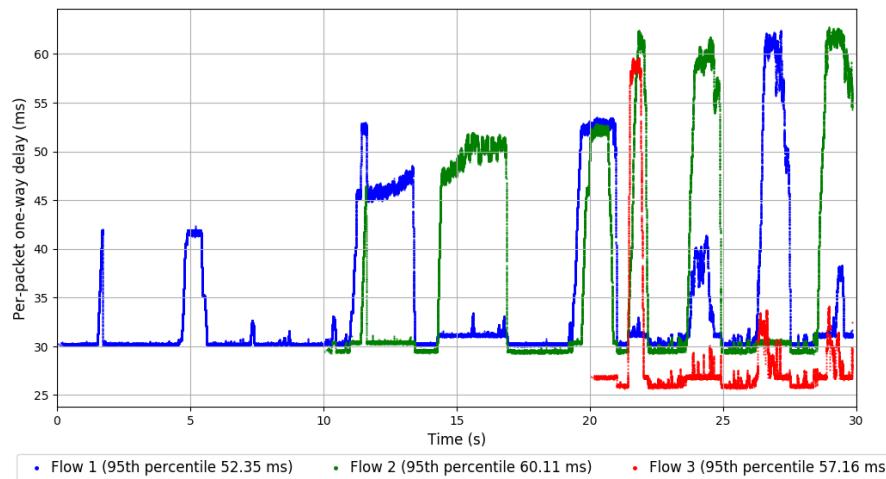
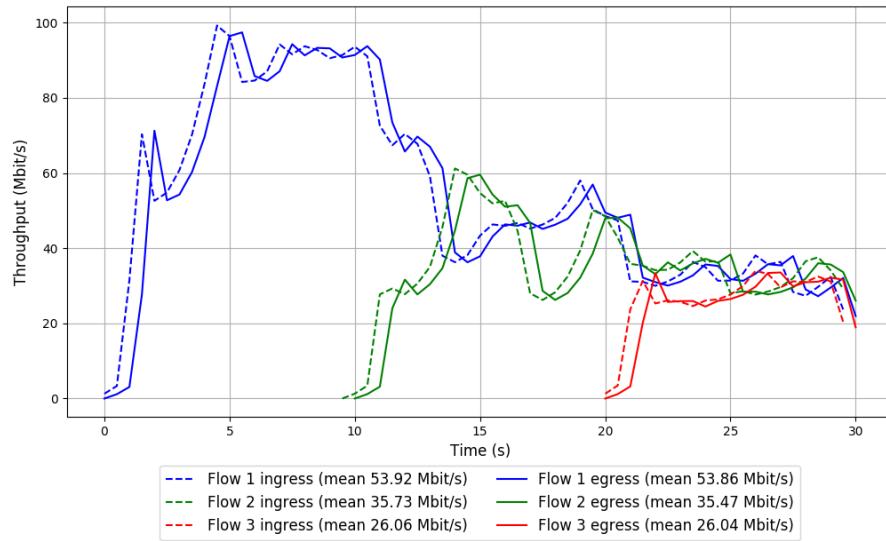


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-22 17:09:32
End at: 2018-05-22 17:10:02
Local clock offset: 0.939 ms
Remote clock offset: -6.263 ms

# Below is generated by plot.py at 2018-05-22 19:22:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.00 Mbit/s
95th percentile per-packet one-way delay: 54.092 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 53.86 Mbit/s
95th percentile per-packet one-way delay: 52.350 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 60.110 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 26.04 Mbit/s
95th percentile per-packet one-way delay: 57.165 ms
Loss rate: 0.62%
```

Run 5: Report of PCC-Vivace — Data Link

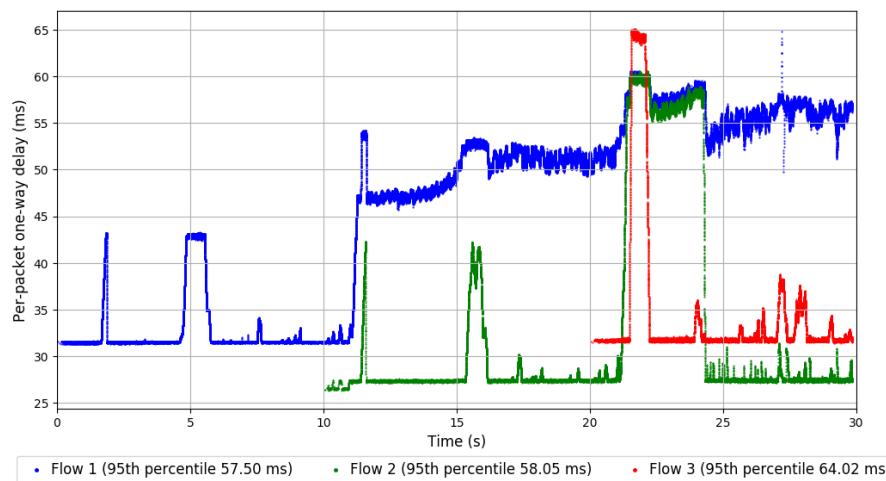
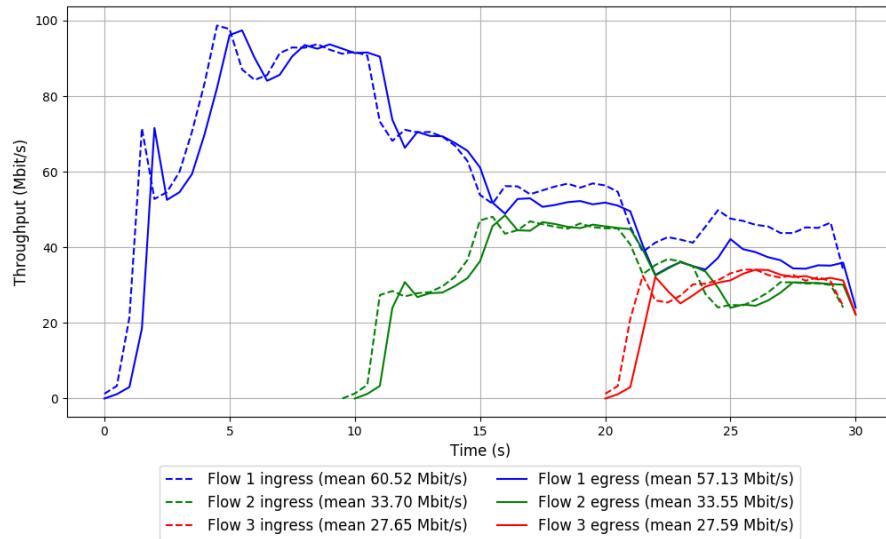


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-22 17:30:50
End at: 2018-05-22 17:31:20
Local clock offset: 1.542 ms
Remote clock offset: -10.643 ms

# Below is generated by plot.py at 2018-05-22 19:22:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 57.649 ms
Loss rate: 4.07%
-- Flow 1:
Average throughput: 57.13 Mbit/s
95th percentile per-packet one-way delay: 57.497 ms
Loss rate: 5.80%
-- Flow 2:
Average throughput: 33.55 Mbit/s
95th percentile per-packet one-way delay: 58.053 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 27.59 Mbit/s
95th percentile per-packet one-way delay: 64.022 ms
Loss rate: 0.84%
```

Run 6: Report of PCC-Vivace — Data Link

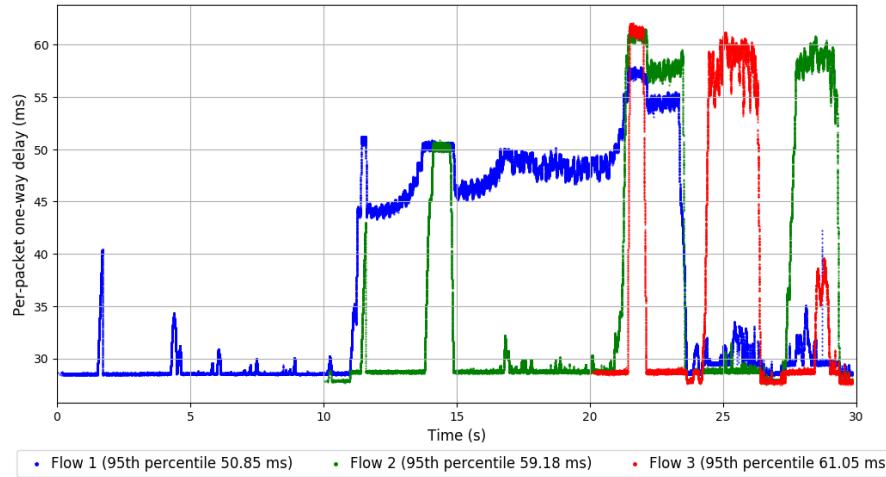
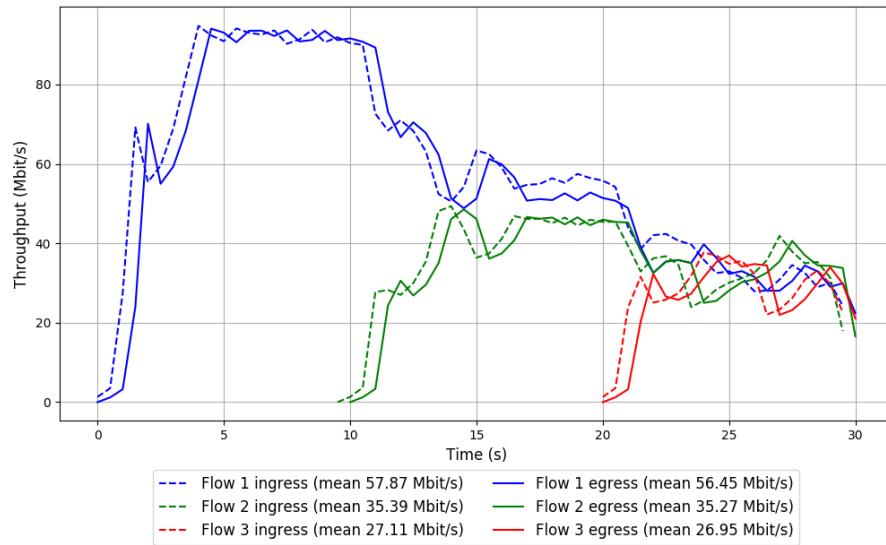


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-22 17:52:18
End at: 2018-05-22 17:52:48
Local clock offset: 1.41 ms
Remote clock offset: -15.656 ms

# Below is generated by plot.py at 2018-05-22 19:22:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 57.934 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 50.852 ms
Loss rate: 2.65%
-- Flow 2:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 59.179 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 61.048 ms
Loss rate: 1.17%
```

Run 7: Report of PCC-Vivace — Data Link

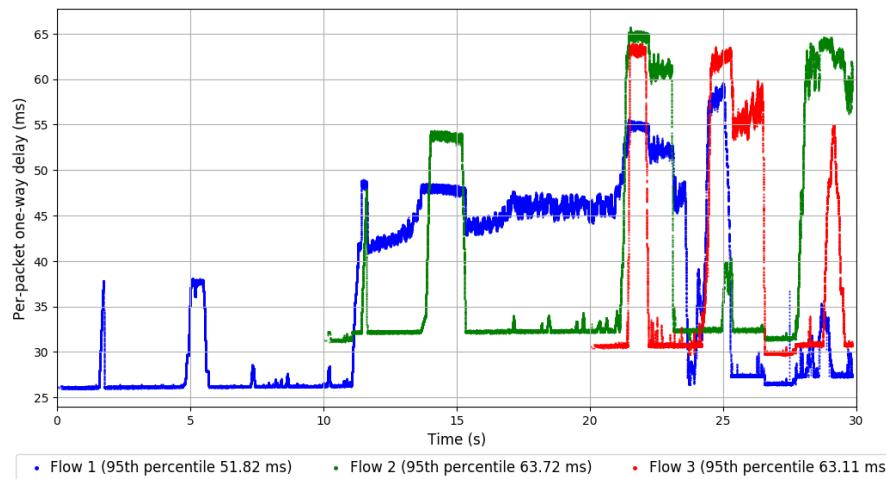
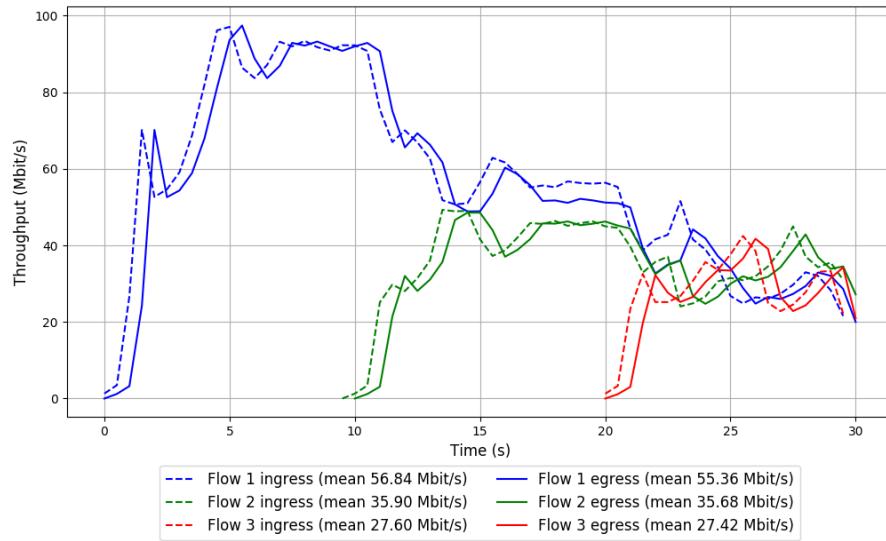


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-22 18:13:37
End at: 2018-05-22 18:14:07
Local clock offset: 1.427 ms
Remote clock offset: -2.316 ms

# Below is generated by plot.py at 2018-05-22 19:23:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 61.051 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 51.824 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 35.68 Mbit/s
95th percentile per-packet one-way delay: 63.716 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 27.42 Mbit/s
95th percentile per-packet one-way delay: 63.109 ms
Loss rate: 1.24%
```

Run 8: Report of PCC-Vivace — Data Link

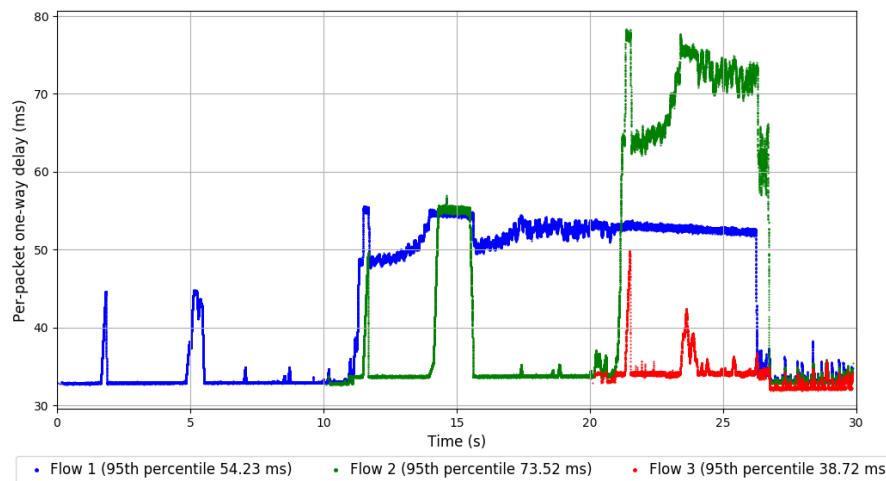
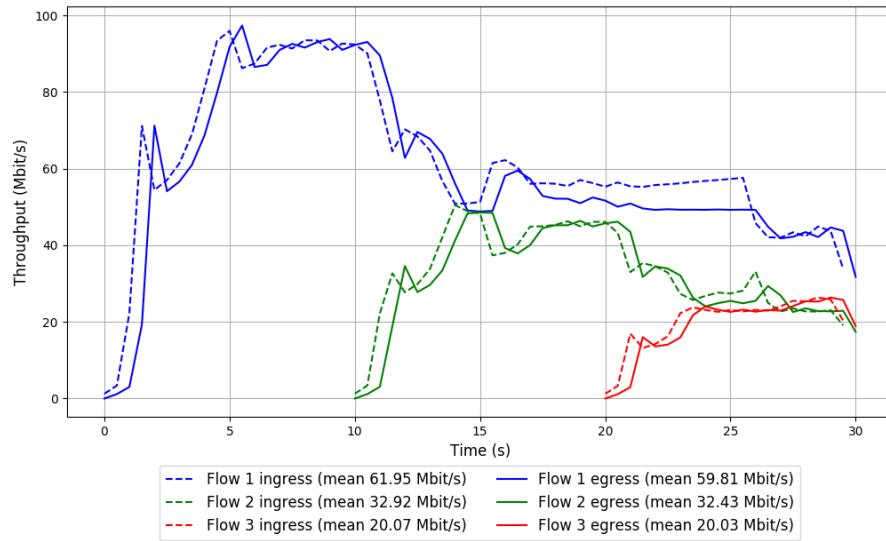


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-22 18:35:01
End at: 2018-05-22 18:35:31
Local clock offset: 0.991 ms
Remote clock offset: 2.317 ms

# Below is generated by plot.py at 2018-05-22 19:23:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 63.725 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 59.81 Mbit/s
95th percentile per-packet one-way delay: 54.225 ms
Loss rate: 3.64%
-- Flow 2:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 73.515 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 20.03 Mbit/s
95th percentile per-packet one-way delay: 38.722 ms
Loss rate: 0.84%
```

Run 9: Report of PCC-Vivace — Data Link

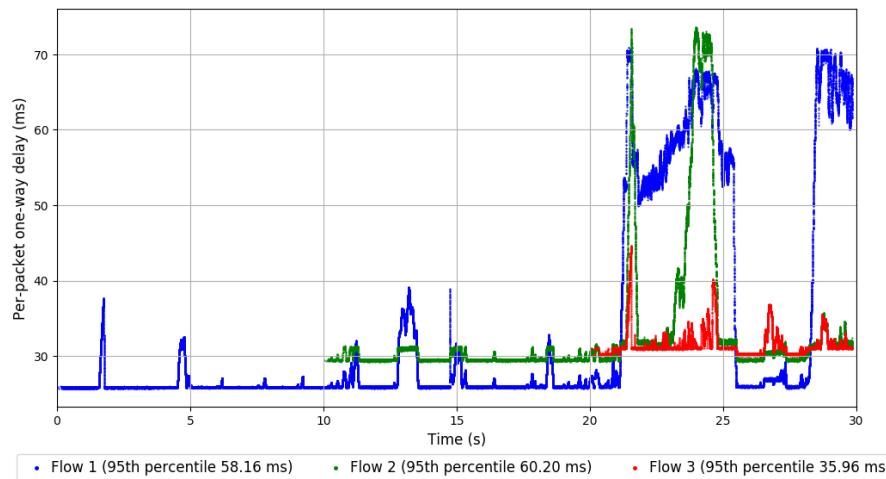
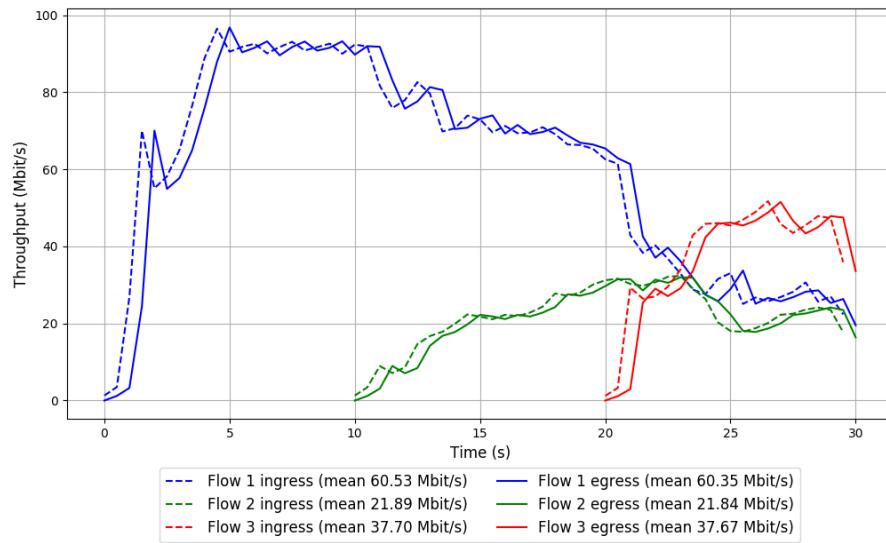


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-22 18:56:35
End at: 2018-05-22 18:57:06
Local clock offset: 0.666 ms
Remote clock offset: 1.68 ms

# Below is generated by plot.py at 2018-05-22 19:23:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 56.525 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 60.35 Mbit/s
95th percentile per-packet one-way delay: 58.157 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: 60.196 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 37.67 Mbit/s
95th percentile per-packet one-way delay: 35.964 ms
Loss rate: 0.72%
```

Run 10: Report of PCC-Vivace — Data Link

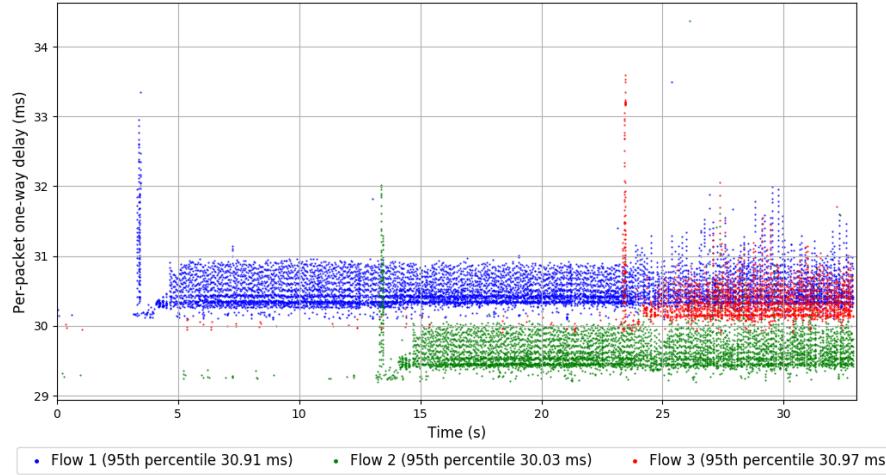
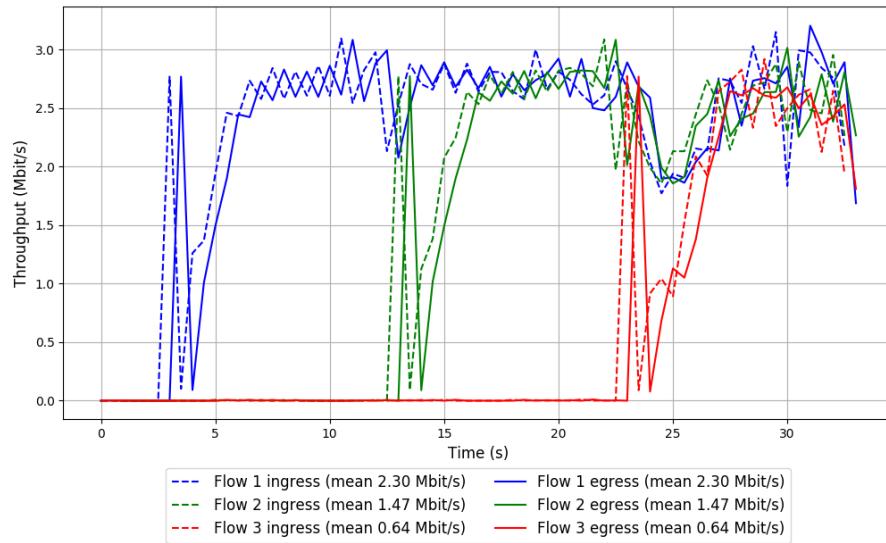


Run 1: Statistics of WebRTC media

```
Start at: 2018-05-22 15:38:46
End at: 2018-05-22 15:39:16
Local clock offset: 1.312 ms
Remote clock offset: -0.373 ms

# Below is generated by plot.py at 2018-05-22 19:23:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 30.869 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 30.912 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 30.031 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 30.974 ms
Loss rate: 0.60%
```

Run 1: Report of WebRTC media — Data Link

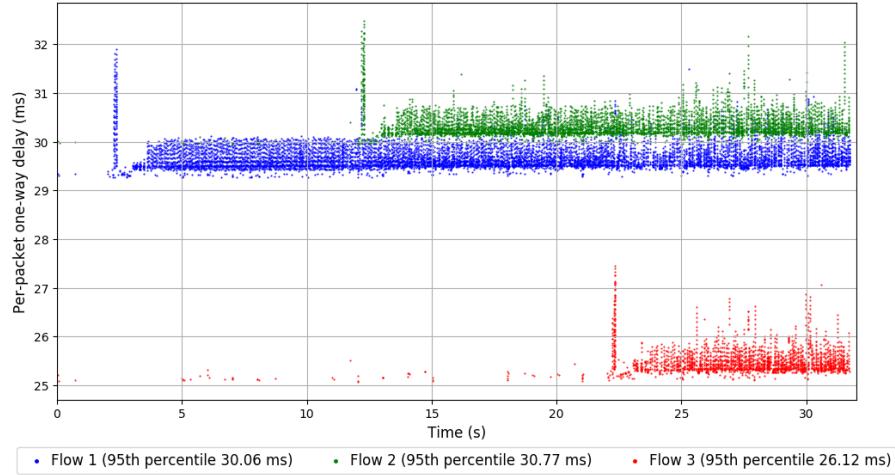
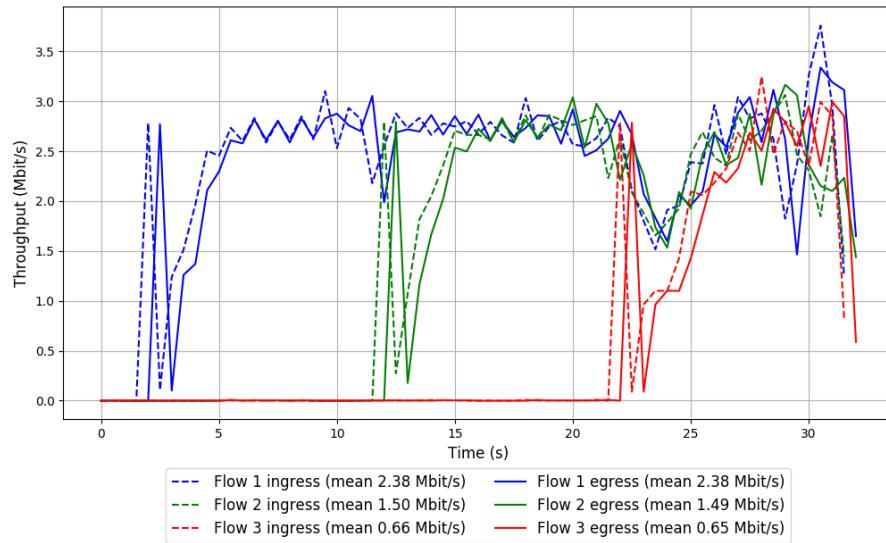


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-22 16:00:01
End at: 2018-05-22 16:00:31
Local clock offset: 1.351 ms
Remote clock offset: -0.176 ms

# Below is generated by plot.py at 2018-05-22 19:23:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 30.588 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 30.064 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 30.774 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 26.116 ms
Loss rate: 0.57%
```

Run 2: Report of WebRTC media — Data Link

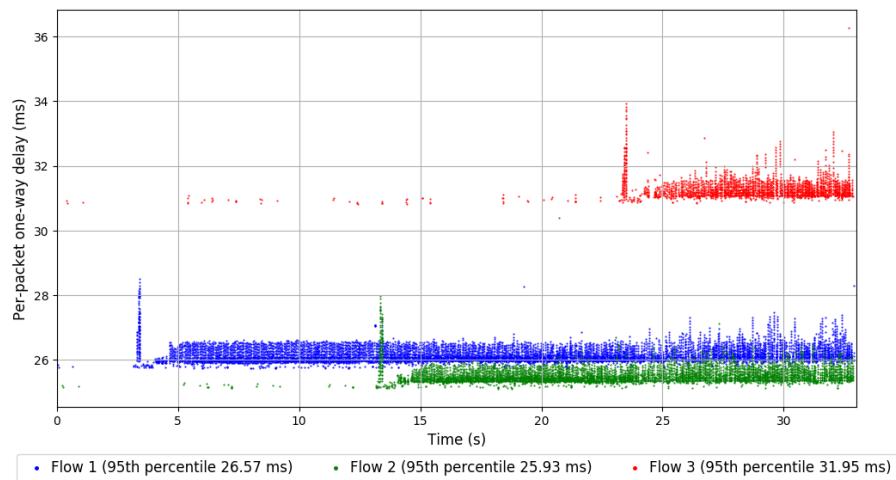
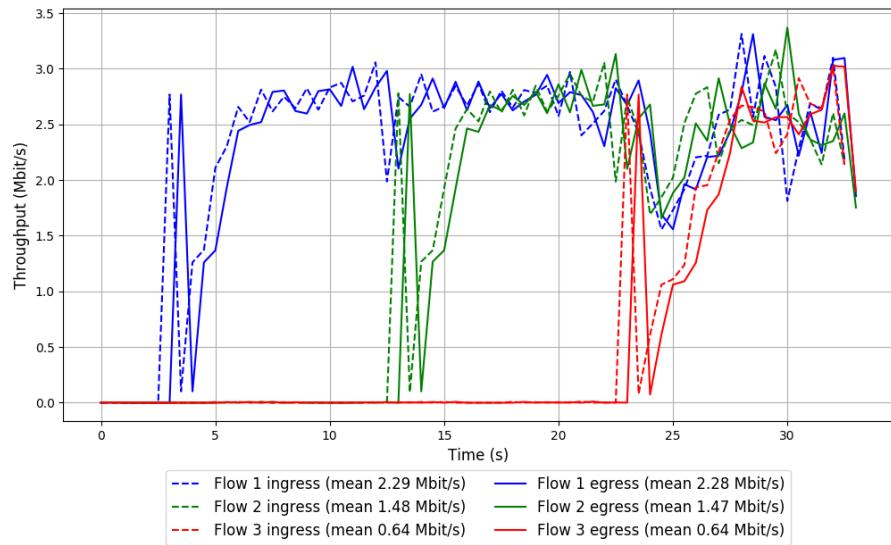


Run 3: Statistics of WebRTC media

```
Start at: 2018-05-22 16:21:24
End at: 2018-05-22 16:21:54
Local clock offset: 0.934 ms
Remote clock offset: 0.525 ms

# Below is generated by plot.py at 2018-05-22 19:23:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 31.343 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 26.569 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 25.934 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 31.947 ms
Loss rate: 0.55%
```

Run 3: Report of WebRTC media — Data Link

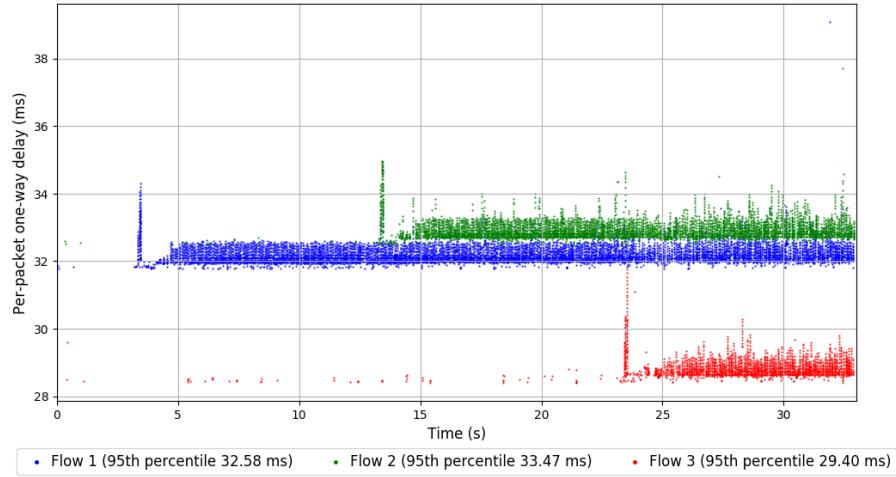
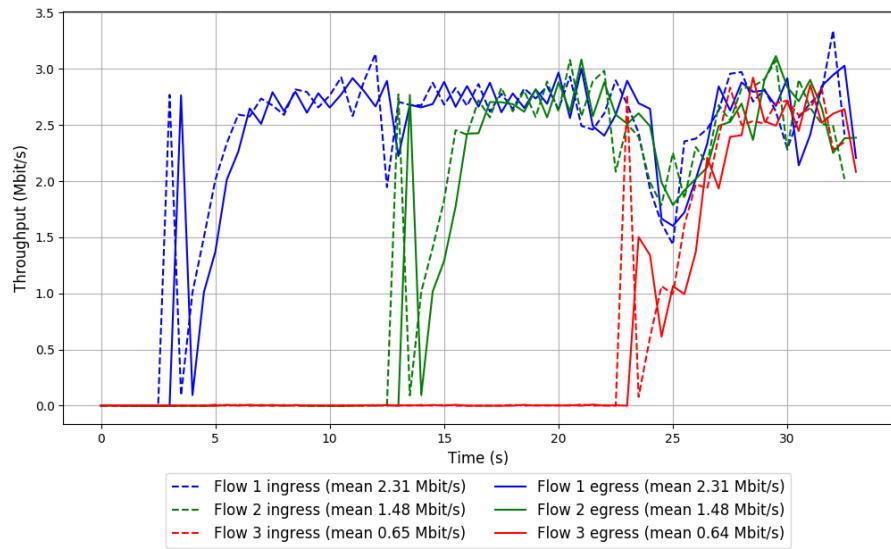


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-22 16:42:42
End at: 2018-05-22 16:43:12
Local clock offset: 1.173 ms
Remote clock offset: -1.323 ms

# Below is generated by plot.py at 2018-05-22 19:23:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 33.196 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 32.582 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 33.474 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 29.397 ms
Loss rate: 0.63%
```

Run 4: Report of WebRTC media — Data Link

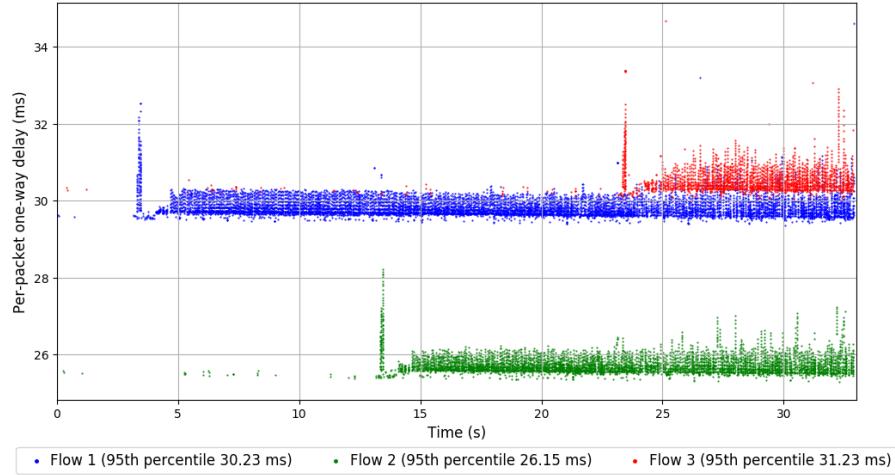
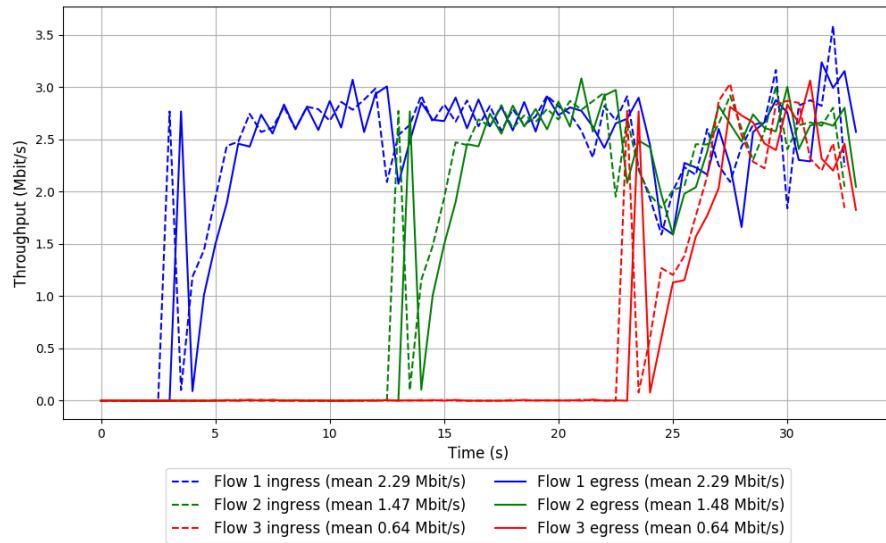


Run 5: Statistics of WebRTC media

```
Start at: 2018-05-22 17:04:17
End at: 2018-05-22 17:04:47
Local clock offset: 0.96 ms
Remote clock offset: -5.004 ms

# Below is generated by plot.py at 2018-05-22 19:23:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 30.669 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 30.233 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 26.148 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 31.226 ms
Loss rate: 0.05%
```

Run 5: Report of WebRTC media — Data Link

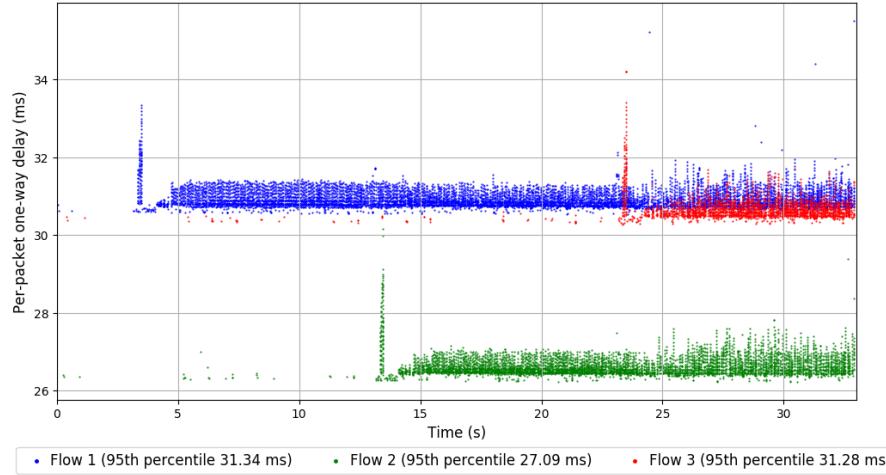
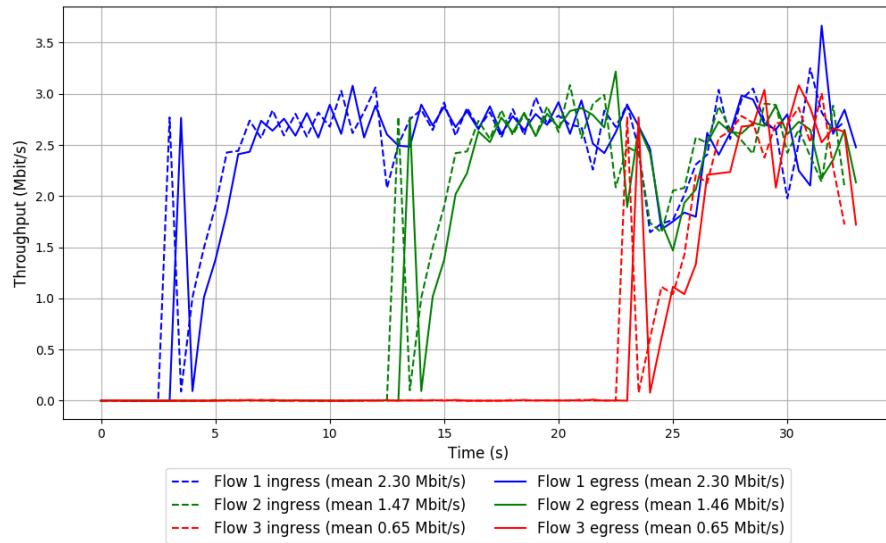


Run 6: Statistics of WebRTC media

```
Start at: 2018-05-22 17:25:36
End at: 2018-05-22 17:26:06
Local clock offset: 1.613 ms
Remote clock offset: -9.828 ms

# Below is generated by plot.py at 2018-05-22 19:23:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 31.273 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 31.335 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 27.089 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 31.283 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

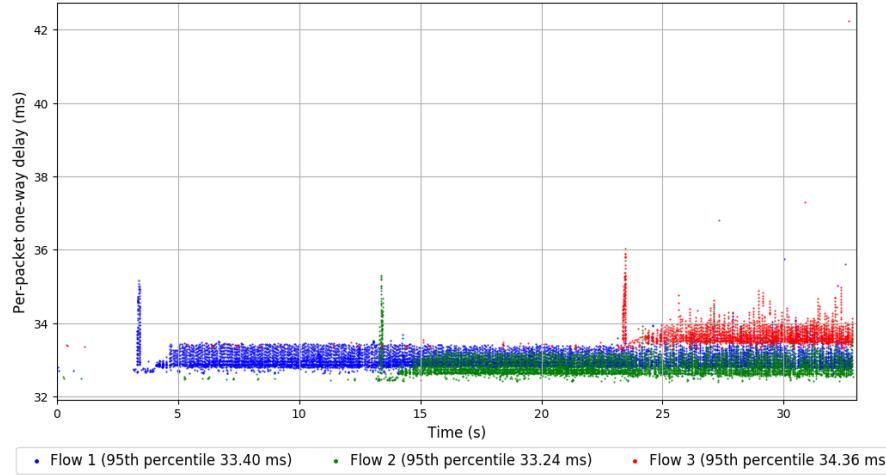
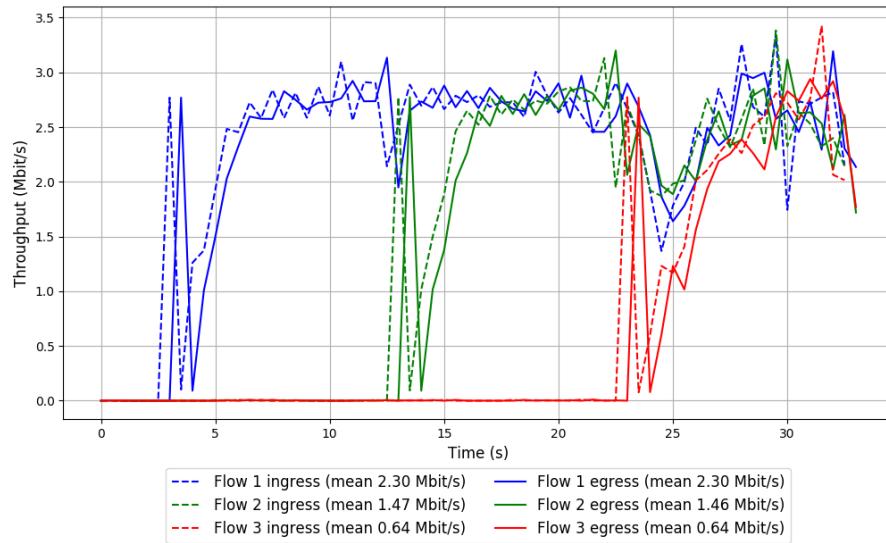


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-22 17:47:05
End at: 2018-05-22 17:47:35
Local clock offset: 1.336 ms
Remote clock offset: -15.049 ms

# Below is generated by plot.py at 2018-05-22 19:23:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 33.820 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 33.404 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 33.244 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 34.362 ms
Loss rate: 0.59%
```

Run 7: Report of WebRTC media — Data Link

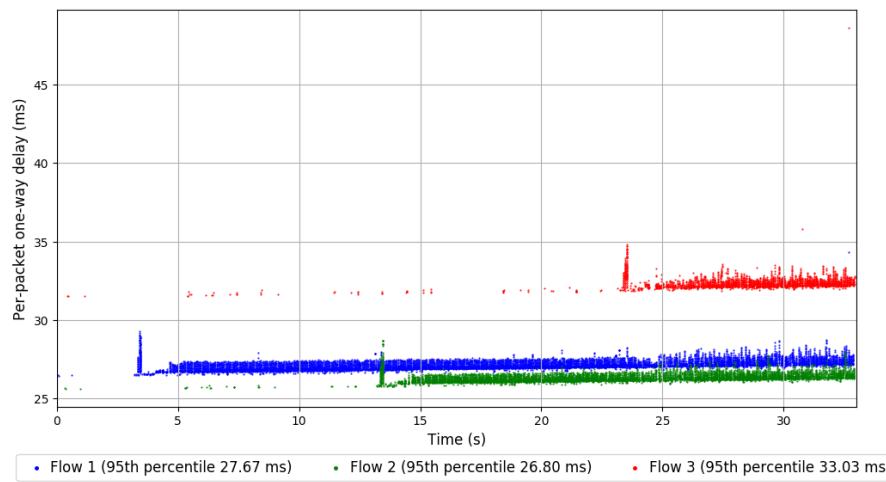
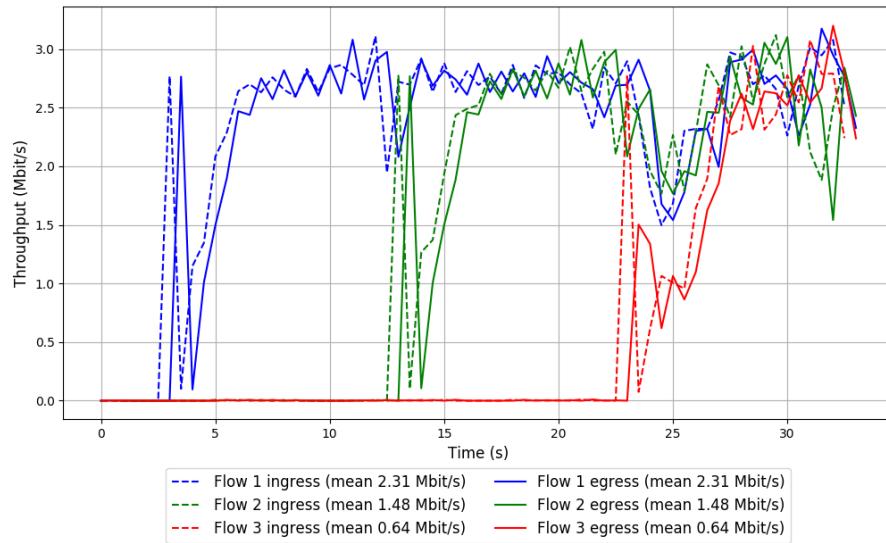


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-22 18:08:21
End at: 2018-05-22 18:08:51
Local clock offset: 1.45 ms
Remote clock offset: -6.925 ms

# Below is generated by plot.py at 2018-05-22 19:23:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 32.420 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 27.667 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 26.799 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 33.030 ms
Loss rate: 0.01%
```

Run 8: Report of WebRTC media — Data Link

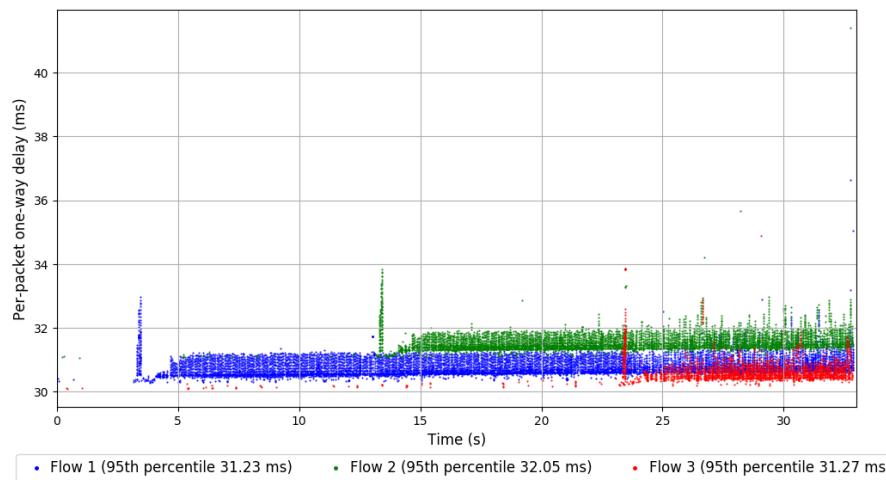
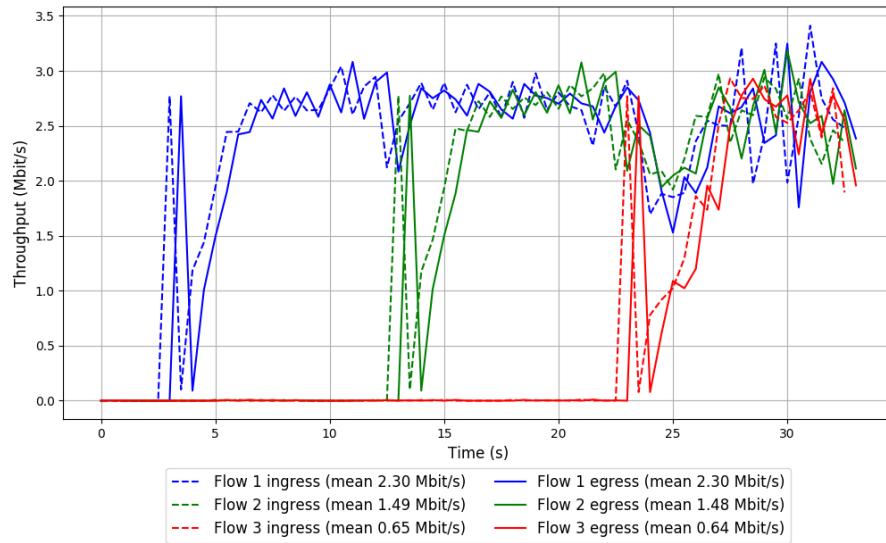


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-22 18:29:47
End at: 2018-05-22 18:30:17
Local clock offset: 1.211 ms
Remote clock offset: 3.554 ms

# Below is generated by plot.py at 2018-05-22 19:23:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 31.834 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 31.235 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 32.049 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 31.269 ms
Loss rate: 0.54%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-22 18:51:21
End at: 2018-05-22 18:51:51
Local clock offset: 0.591 ms
Remote clock offset: -0.786 ms

# Below is generated by plot.py at 2018-05-22 19:23:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 33.271 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 33.355 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 29.075 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 28.350 ms
Loss rate: 0.57%
```

Run 10: Report of WebRTC media — Data Link

