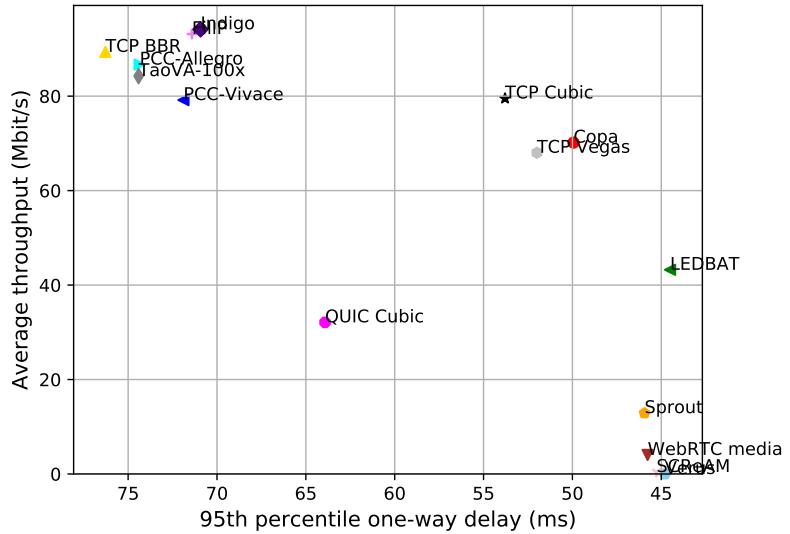


Pantheon Report

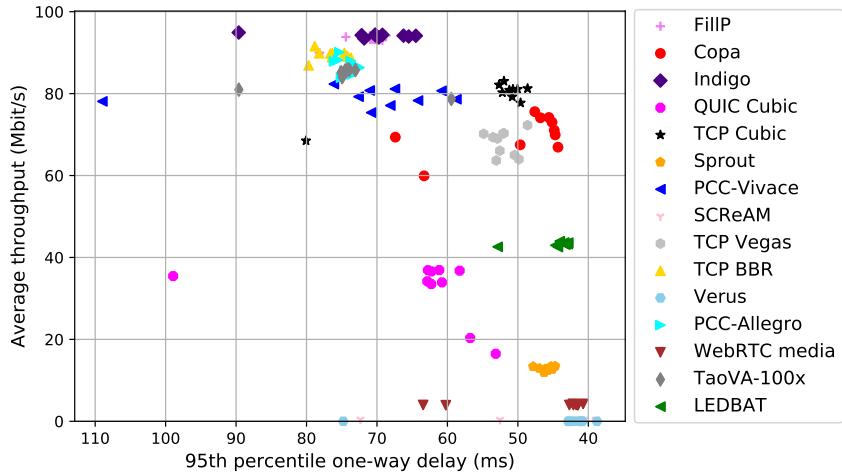
Generated at 2018-05-22 19:22:12 (UTC).
Data path: China Ethernet (*remote*) → AWS Korea Ethernet (*local*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `ntp.nict.jp` 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
```

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



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



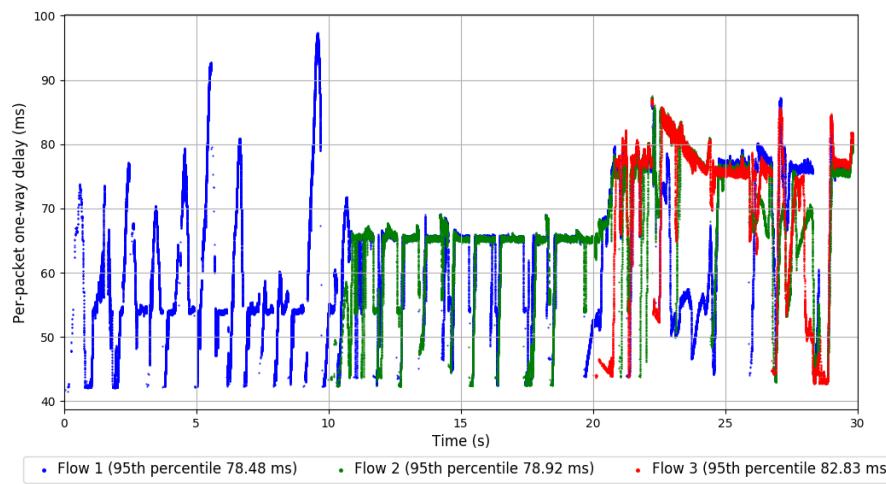
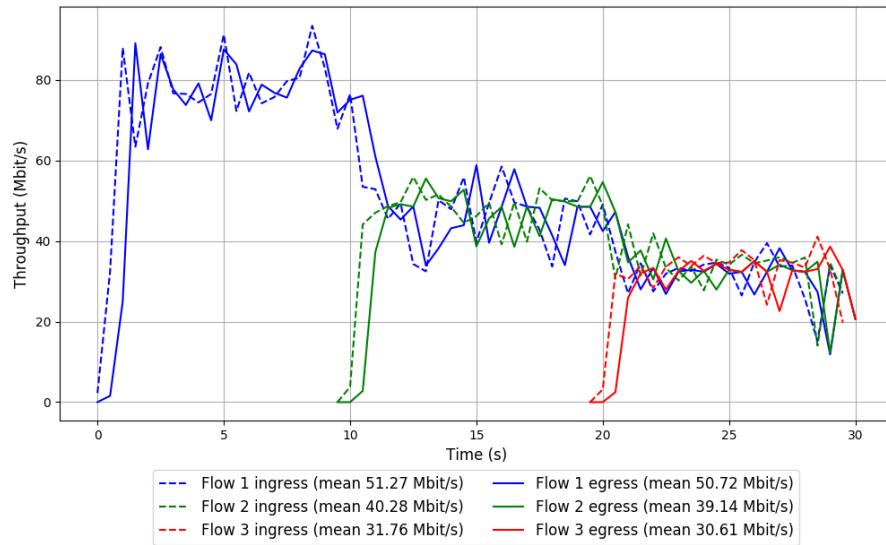
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	53.34	38.79	30.87	75.07	75.96	79.16	1.38	2.62	4.30
Copa	10	45.54	26.38	21.26	49.37	50.60	51.01	0.23	0.55	1.34
TCP Cubic	10	48.12	31.20	32.12	54.72	51.60	50.26	0.25	0.50	1.22
FillP	10	57.47	38.64	30.17	70.46	71.67	72.85	1.51	3.48	4.44
Indigo	10	62.31	36.38	23.58	72.13	58.54	57.94	4.30	0.52	1.11
LEDBAT	10	26.63	20.09	9.96	45.03	44.20	45.08	0.28	0.99	2.19
PCC-Allegro	10	55.30	32.44	29.83	72.75	73.91	75.51	3.26	3.49	3.17
PCC-Expr	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
QUIC Cubic	10	0.06	36.14	24.65	43.94	61.78	64.98	0.00	0.94	1.71
SCReAM	10	0.21	0.21	0.22	45.03	44.93	44.29	0.37	0.62	1.03
Sprout	10	6.72	6.21	6.23	45.77	45.86	46.28	0.41	0.59	1.09
TaoVA-100x	10	52.80	37.99	18.77	73.13	75.52	77.06	1.74	3.30	4.53
TCP Vegas	10	40.65	30.44	21.44	52.00	52.39	60.11	0.31	0.54	1.33
Verus	10	0.00	0.00	0.00	45.02	43.86	43.89	0.00	0.00	0.00
PCC-Vivace	10	53.88	29.46	17.22	71.23	71.24	65.35	1.15	1.05	1.86
WebRTC media	10	2.09	1.37	0.58	45.38	45.77	45.77	0.43	0.67	1.33

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-22 15:40:18
End at: 2018-05-22 15:40:48
Local clock offset: -29.65 ms
Remote clock offset: 0.687 ms

# Below is generated by plot.py at 2018-05-22 19:08:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 79.705 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 50.72 Mbit/s
95th percentile per-packet one-way delay: 78.484 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 39.14 Mbit/s
95th percentile per-packet one-way delay: 78.920 ms
Loss rate: 3.37%
-- Flow 3:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 82.834 ms
Loss rate: 4.68%
```

Run 1: Report of TCP BBR — Data Link

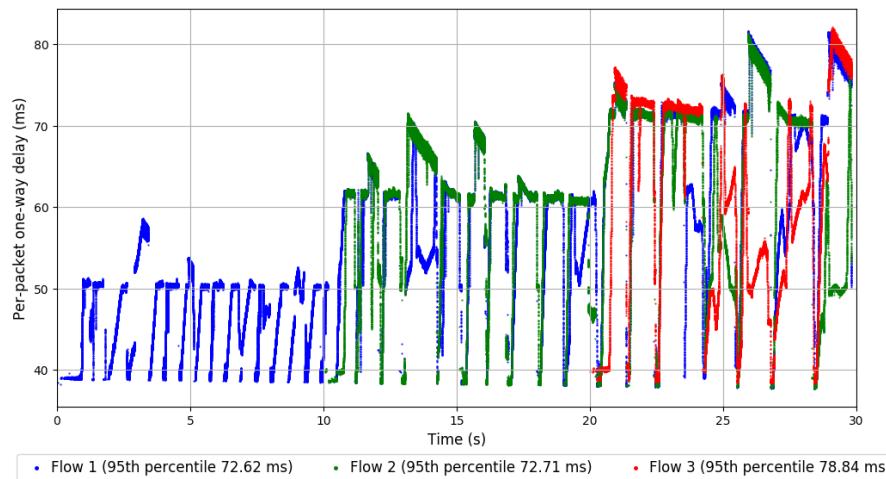
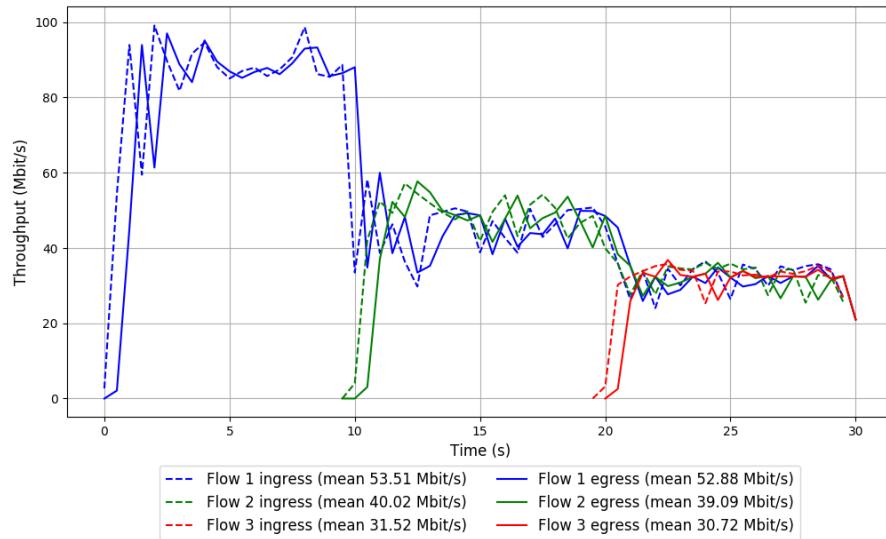


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-22 16:01:51
End at: 2018-05-22 16:02:21
Local clock offset: -35.699 ms
Remote clock offset: 0.269 ms

# Below is generated by plot.py at 2018-05-22 19:08:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 74.145 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 52.88 Mbit/s
95th percentile per-packet one-way delay: 72.623 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 39.09 Mbit/s
95th percentile per-packet one-way delay: 72.714 ms
Loss rate: 2.88%
-- Flow 3:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 78.839 ms
Loss rate: 3.65%
```

Run 2: Report of TCP BBR — Data Link

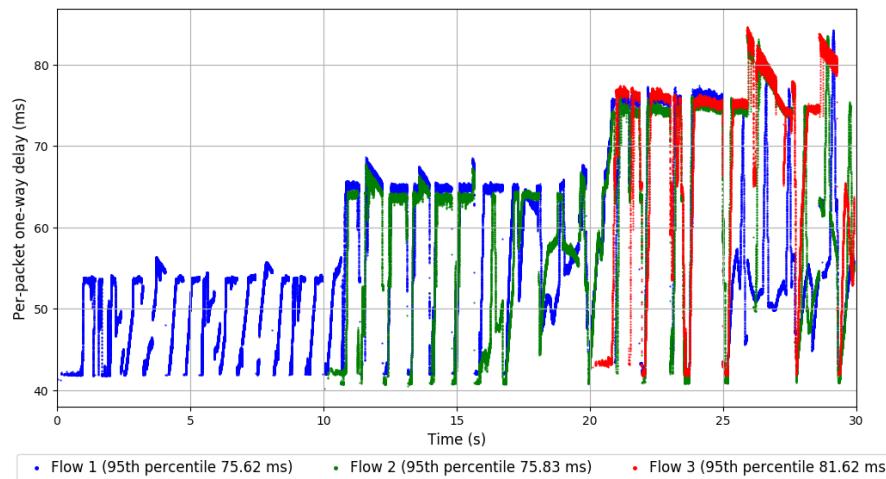
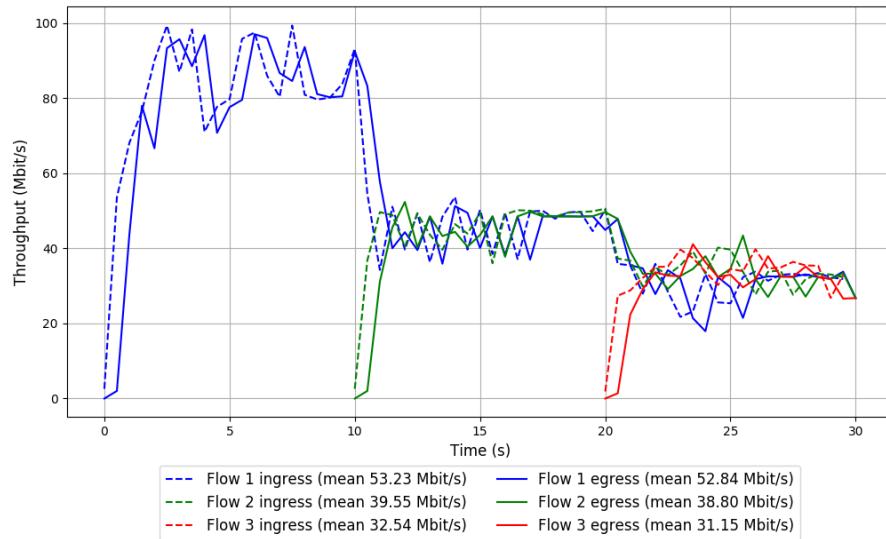


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-22 16:23:24
End at: 2018-05-22 16:23:54
Local clock offset: -28.106 ms
Remote clock offset: -4.035 ms

# Below is generated by plot.py at 2018-05-22 19:08:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.88 Mbit/s
95th percentile per-packet one-way delay: 76.395 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 52.84 Mbit/s
95th percentile per-packet one-way delay: 75.622 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 38.80 Mbit/s
95th percentile per-packet one-way delay: 75.834 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 81.620 ms
Loss rate: 5.33%
```

Run 3: Report of TCP BBR — Data Link

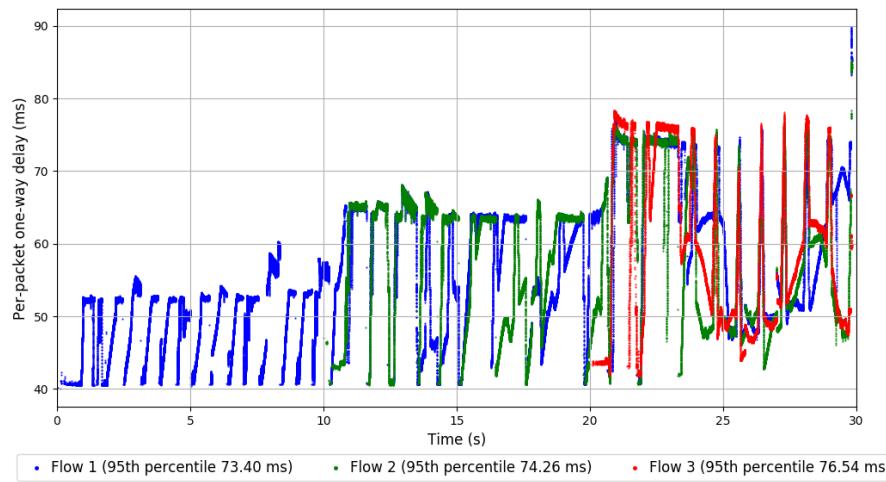
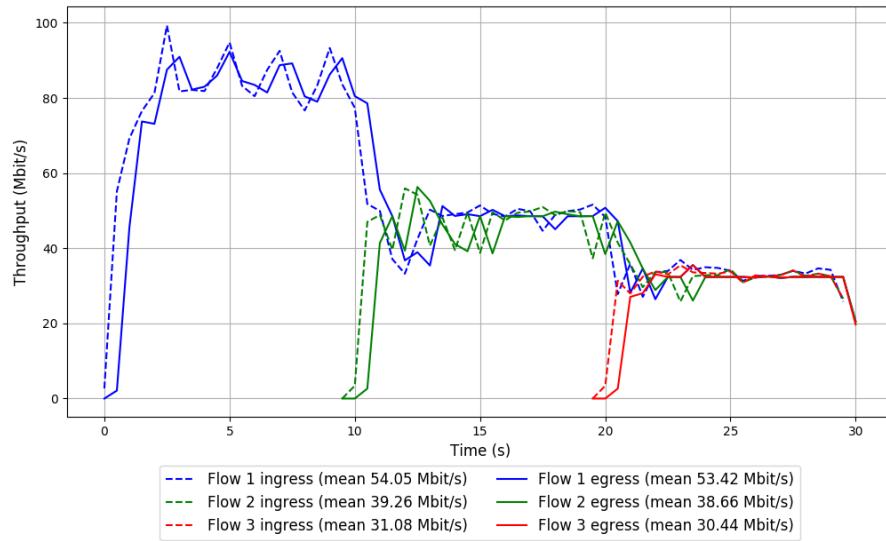


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-22 16:44:58
End at: 2018-05-22 16:45:28
Local clock offset: -12.651 ms
Remote clock offset: -2.772 ms

# Below is generated by plot.py at 2018-05-22 19:08:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.21 Mbit/s
95th percentile per-packet one-way delay: 74.254 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 73.404 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 38.66 Mbit/s
95th percentile per-packet one-way delay: 74.256 ms
Loss rate: 2.16%
-- Flow 3:
Average throughput: 30.44 Mbit/s
95th percentile per-packet one-way delay: 76.538 ms
Loss rate: 3.31%
```

Run 4: Report of TCP BBR — Data Link

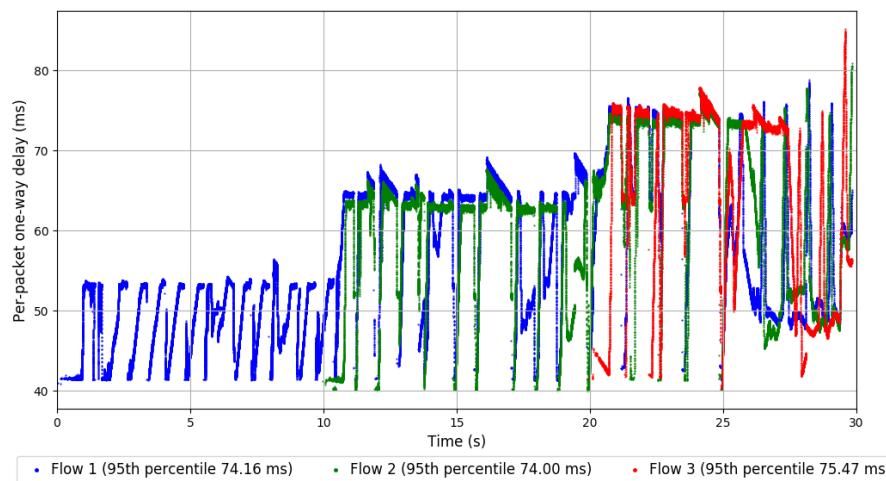
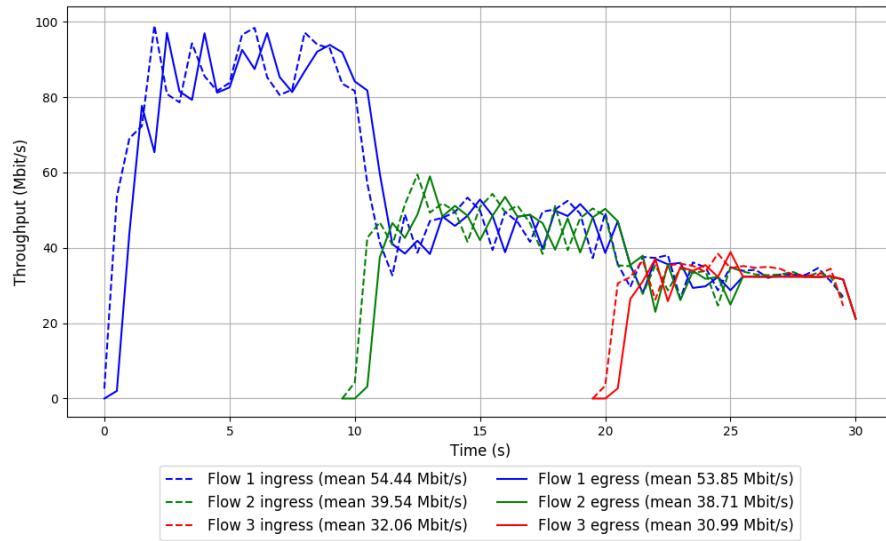


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-22 17:06:32
End at: 2018-05-22 17:07:02
Local clock offset: -9.061 ms
Remote clock offset: -0.827 ms

# Below is generated by plot.py at 2018-05-22 19:08:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 74.632 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 53.85 Mbit/s
95th percentile per-packet one-way delay: 74.162 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 73.995 ms
Loss rate: 2.66%
-- Flow 3:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 75.473 ms
Loss rate: 4.49%
```

Run 5: Report of TCP BBR — Data Link

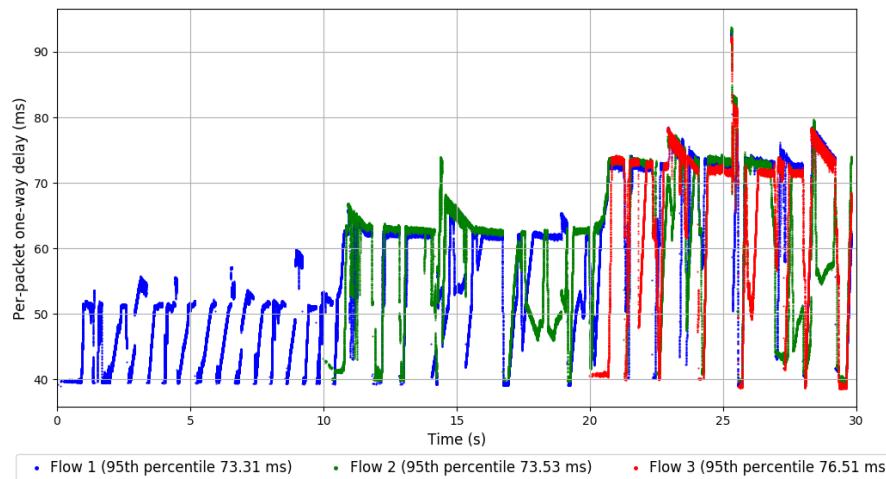
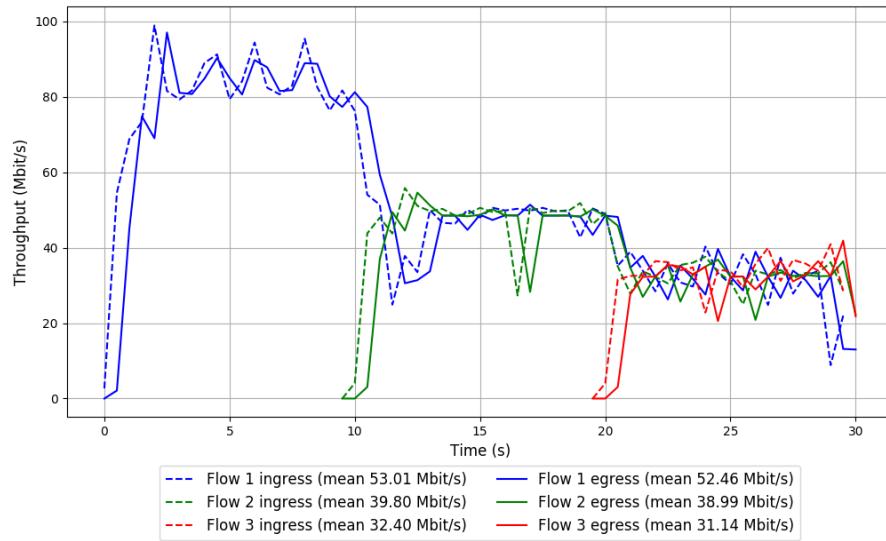


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-22 17:28:05
End at: 2018-05-22 17:28:35
Local clock offset: -9.573 ms
Remote clock offset: -0.828 ms

# Below is generated by plot.py at 2018-05-22 19:08:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.75 Mbit/s
95th percentile per-packet one-way delay: 73.711 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 52.46 Mbit/s
95th percentile per-packet one-way delay: 73.313 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 38.99 Mbit/s
95th percentile per-packet one-way delay: 73.528 ms
Loss rate: 2.65%
-- Flow 3:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 76.508 ms
Loss rate: 4.96%
```

Run 6: Report of TCP BBR — Data Link

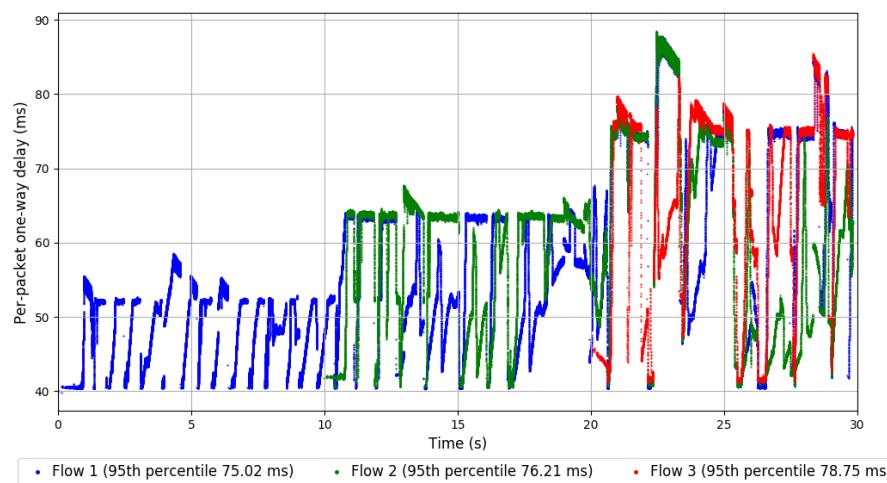
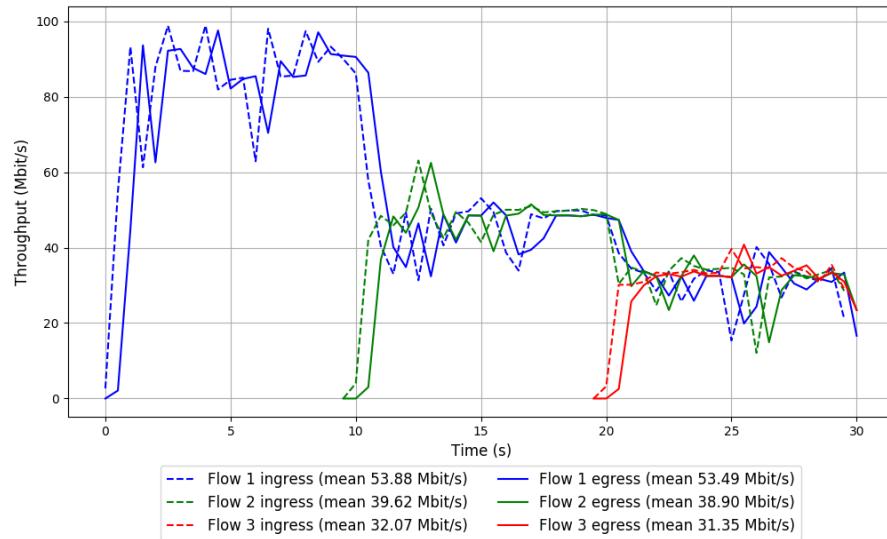


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-22 17:49:39
End at: 2018-05-22 17:50:09
Local clock offset: -0.395 ms
Remote clock offset: -0.697 ms

# Below is generated by plot.py at 2018-05-22 19:08:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.77 Mbit/s
95th percentile per-packet one-way delay: 76.604 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 53.49 Mbit/s
95th percentile per-packet one-way delay: 75.016 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 38.90 Mbit/s
95th percentile per-packet one-way delay: 76.214 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 78.751 ms
Loss rate: 3.48%
```

Run 7: Report of TCP BBR — Data Link

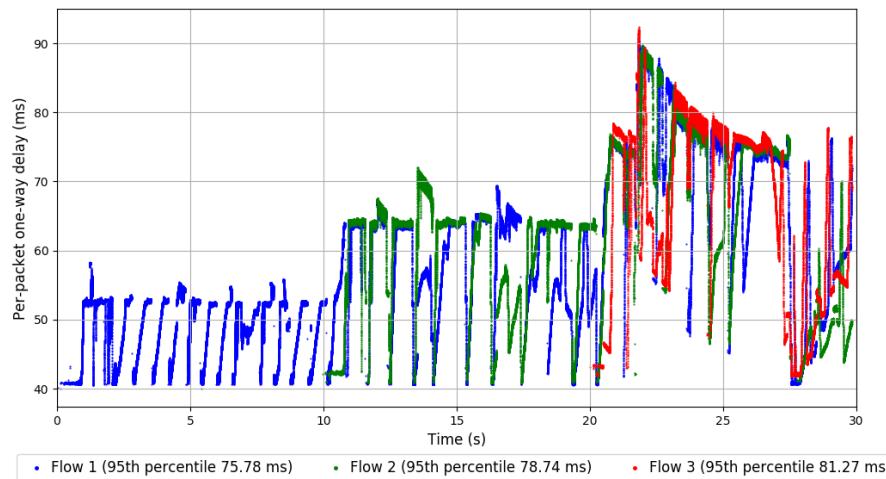
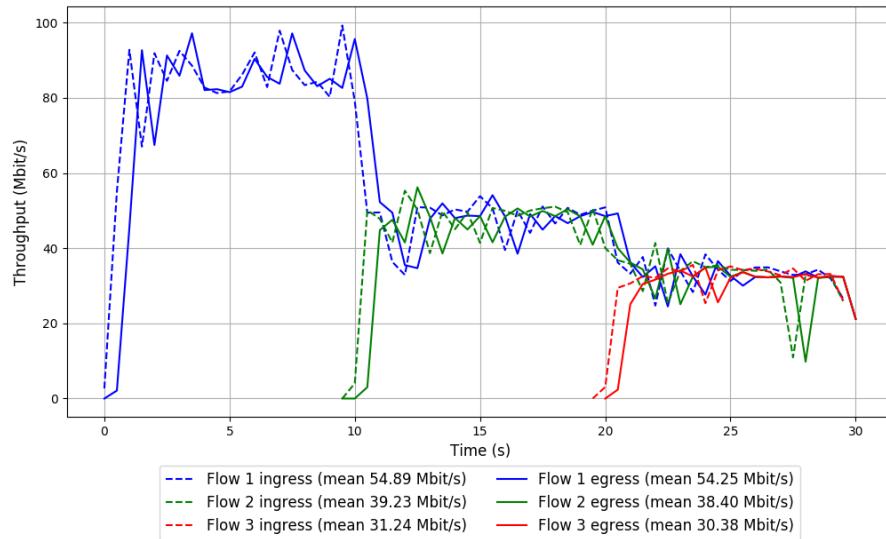


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-22 18:11:11
End at: 2018-05-22 18:11:41
Local clock offset: -2.165 ms
Remote clock offset: -0.405 ms

# Below is generated by plot.py at 2018-05-22 19:08:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 78.189 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 54.25 Mbit/s
95th percentile per-packet one-way delay: 75.781 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 38.40 Mbit/s
95th percentile per-packet one-way delay: 78.744 ms
Loss rate: 2.65%
-- Flow 3:
Average throughput: 30.38 Mbit/s
95th percentile per-packet one-way delay: 81.268 ms
Loss rate: 3.81%
```

Run 8: Report of TCP BBR — Data Link

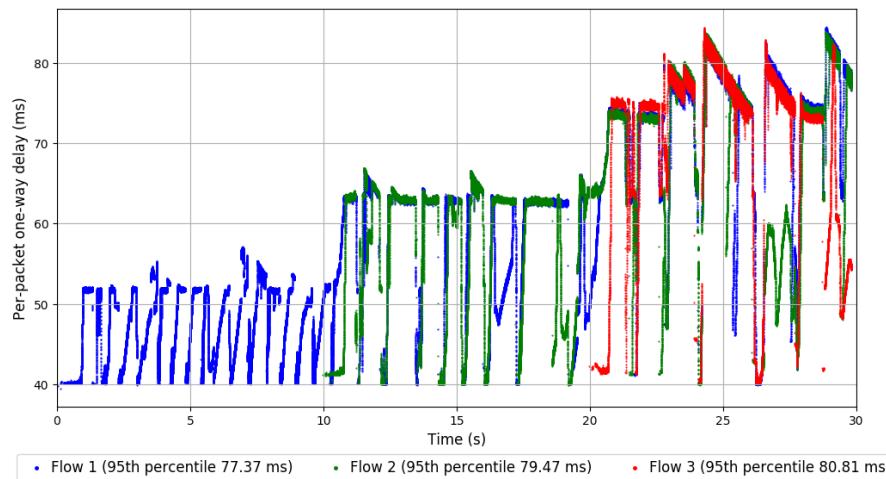
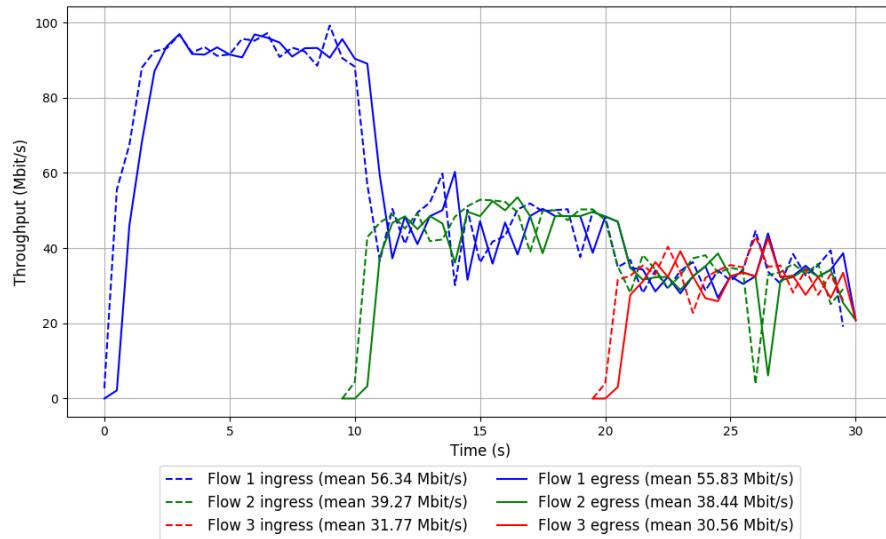


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-22 18:32:44
End at: 2018-05-22 18:33:14
Local clock offset: -1.075 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-05-22 19:09:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.56 Mbit/s
95th percentile per-packet one-way delay: 78.823 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 55.83 Mbit/s
95th percentile per-packet one-way delay: 77.372 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: 79.468 ms
Loss rate: 2.66%
-- Flow 3:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 80.808 ms
Loss rate: 4.87%
```

Run 9: Report of TCP BBR — Data Link

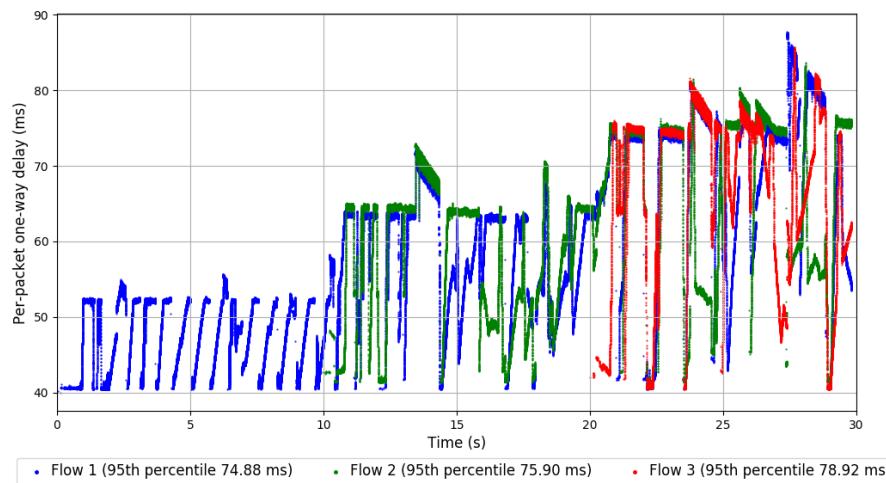
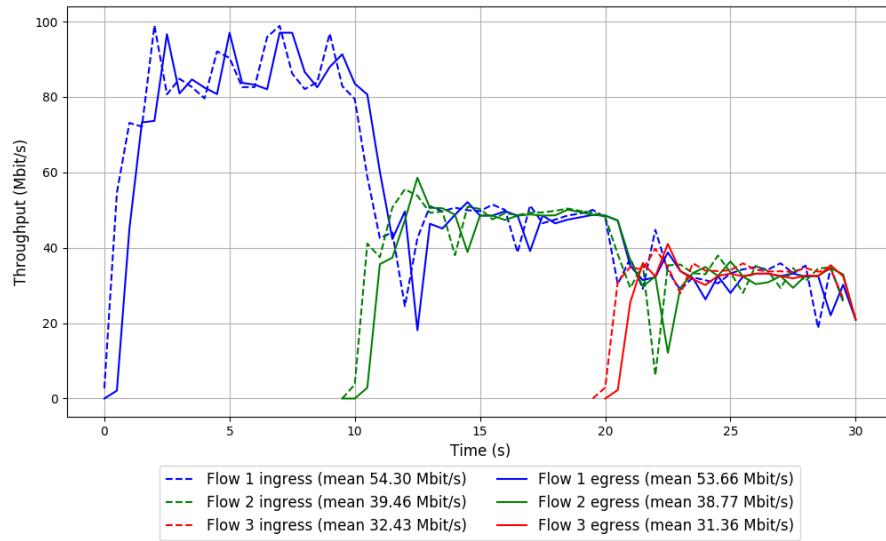


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-22 18:54:18
End at: 2018-05-22 18:54:48
Local clock offset: 1.047 ms
Remote clock offset: 0.164 ms

# Below is generated by plot.py at 2018-05-22 19:09:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 76.337 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 53.66 Mbit/s
95th percentile per-packet one-way delay: 74.881 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 75.896 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 31.36 Mbit/s
95th percentile per-packet one-way delay: 78.918 ms
Loss rate: 4.39%
```

Run 10: Report of TCP BBR — Data Link

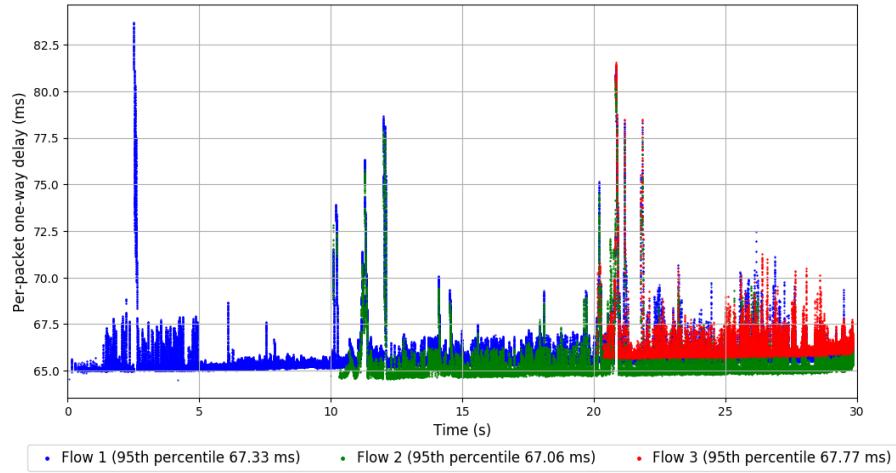
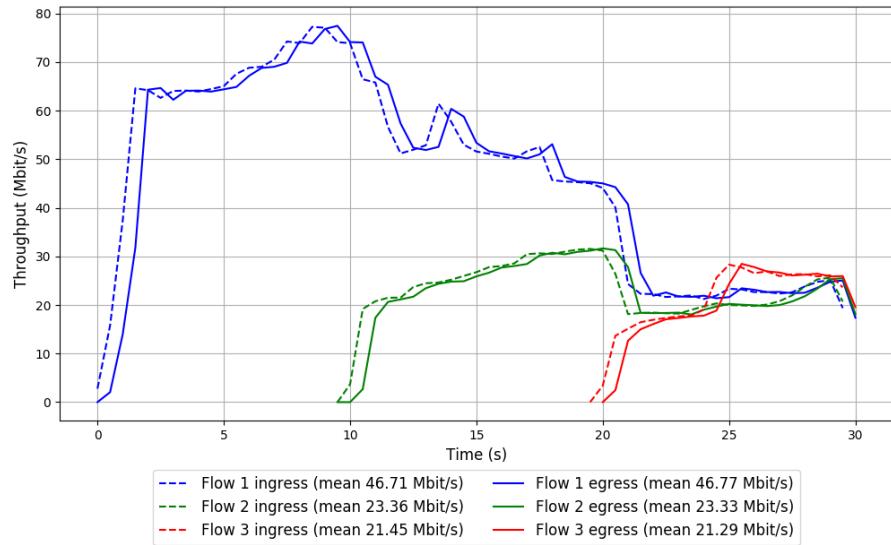


Run 1: Statistics of Copa

```
Start at: 2018-05-22 15:36:18
End at: 2018-05-22 15:36:48
Local clock offset: -24.267 ms
Remote clock offset: -22.184 ms

# Below is generated by plot.py at 2018-05-22 19:09:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.37 Mbit/s
95th percentile per-packet one-way delay: 67.394 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 67.330 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 23.33 Mbit/s
95th percentile per-packet one-way delay: 67.064 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 21.29 Mbit/s
95th percentile per-packet one-way delay: 67.771 ms
Loss rate: 1.79%
```

Run 1: Report of Copa — Data Link

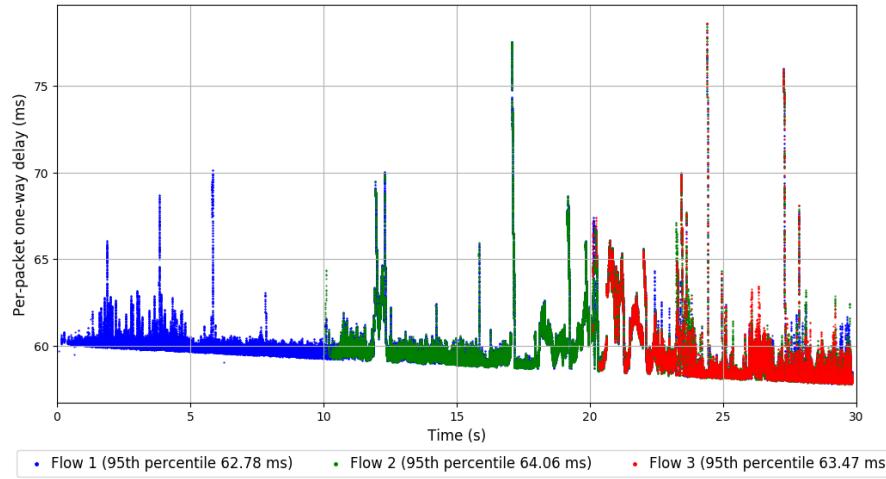
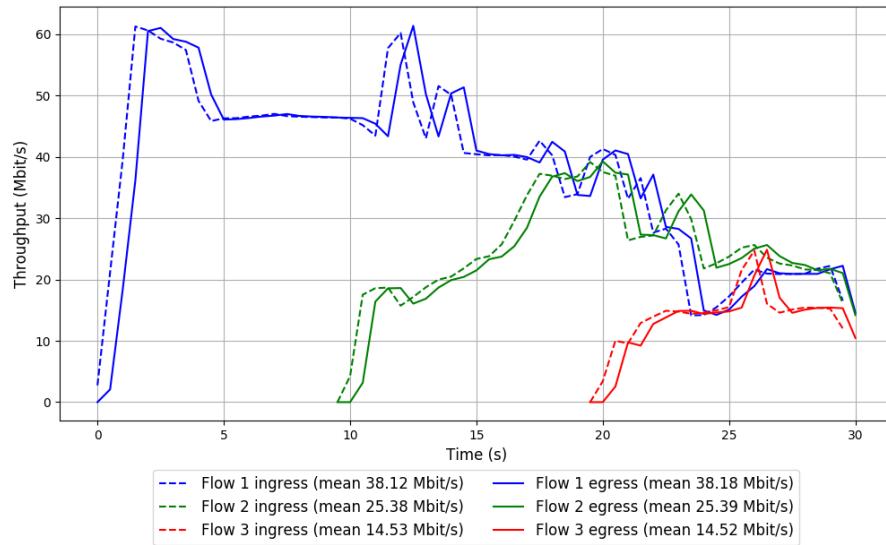


Run 2: Statistics of Copa

```
Start at: 2018-05-22 15:57:52
End at: 2018-05-22 15:58:22
Local clock offset: -51.615 ms
Remote clock offset: -22.837 ms

# Below is generated by plot.py at 2018-05-22 19:09:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 63.311 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 38.18 Mbit/s
95th percentile per-packet one-way delay: 62.780 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 25.39 Mbit/s
95th percentile per-packet one-way delay: 64.063 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 14.52 Mbit/s
95th percentile per-packet one-way delay: 63.465 ms
Loss rate: 1.13%
```

Run 2: Report of Copa — Data Link

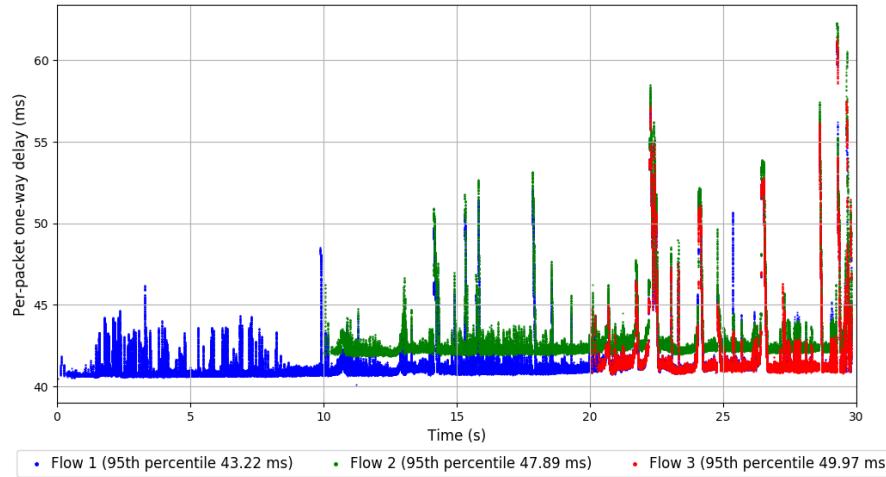
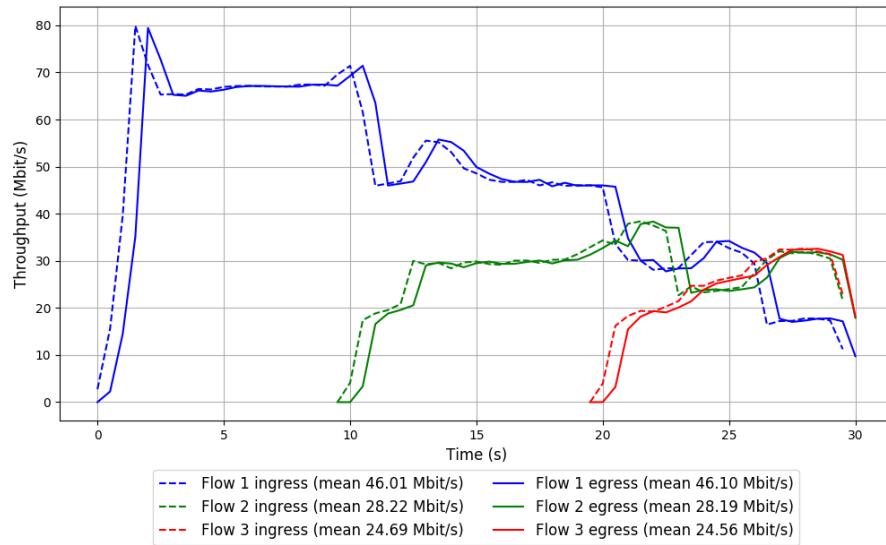


Run 3: Statistics of Copa

```
Start at: 2018-05-22 16:19:25
End at: 2018-05-22 16:19:55
Local clock offset: -25.33 ms
Remote clock offset: -3.738 ms

# Below is generated by plot.py at 2018-05-22 19:09:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.02 Mbit/s
95th percentile per-packet one-way delay: 45.158 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 46.10 Mbit/s
95th percentile per-packet one-way delay: 43.216 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 28.19 Mbit/s
95th percentile per-packet one-way delay: 47.887 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 49.973 ms
Loss rate: 1.60%
```

Run 3: Report of Copa — Data Link

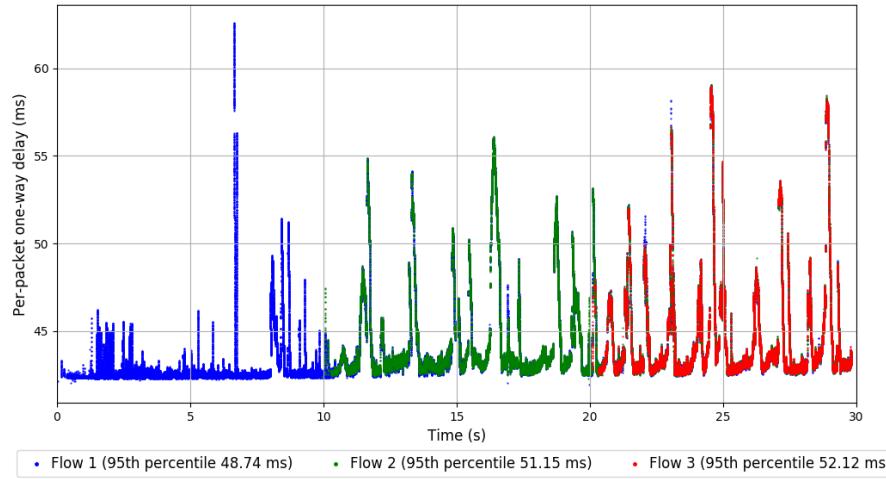
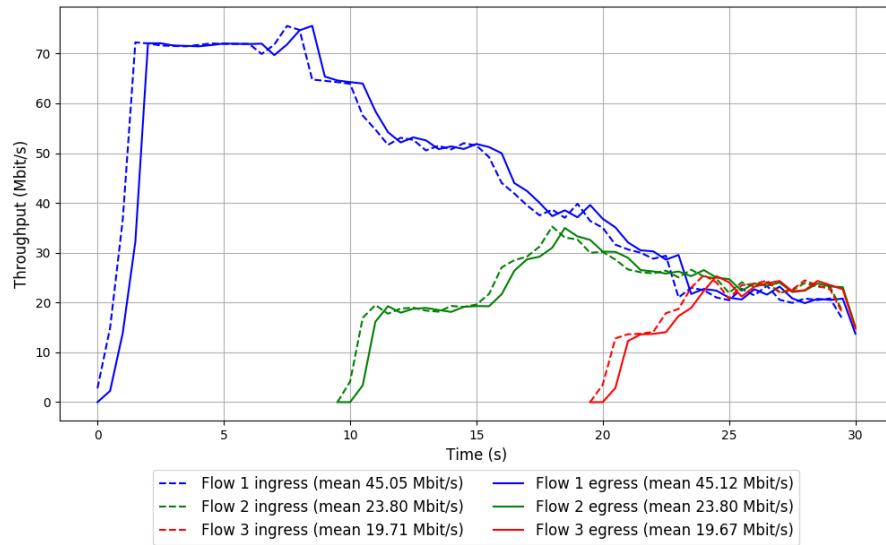


Run 4: Statistics of Copa

```
Start at: 2018-05-22 16:40:59
End at: 2018-05-22 16:41:29
Local clock offset: -12.506 ms
Remote clock offset: -4.743 ms

# Below is generated by plot.py at 2018-05-22 19:09:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.50 Mbit/s
95th percentile per-packet one-way delay: 49.672 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 45.12 Mbit/s
95th percentile per-packet one-way delay: 48.740 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 51.147 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 19.67 Mbit/s
95th percentile per-packet one-way delay: 52.125 ms
Loss rate: 1.33%
```

Run 4: Report of Copa — Data Link

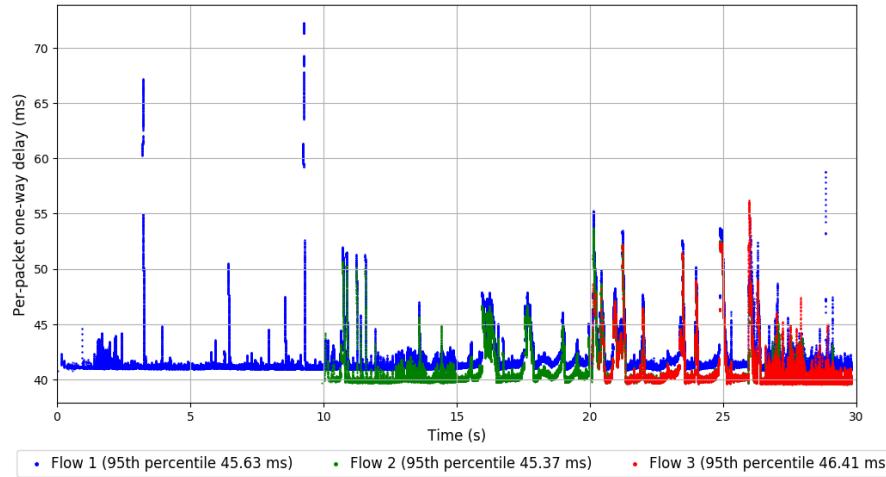
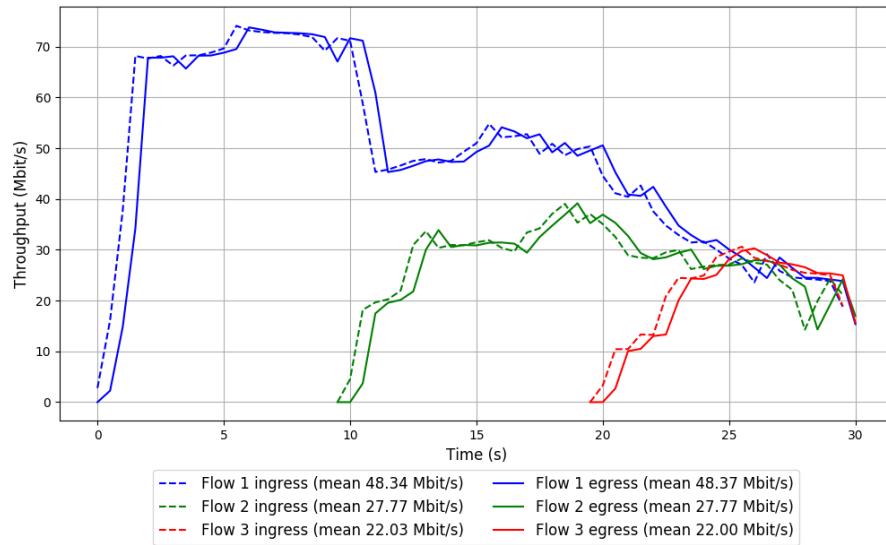


Run 5: Statistics of Copa

```
Start at: 2018-05-22 17:02:32
End at: 2018-05-22 17:03:02
Local clock offset: -10.713 ms
Remote clock offset: -0.9 ms

# Below is generated by plot.py at 2018-05-22 19:09:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.17 Mbit/s
95th percentile per-packet one-way delay: 45.602 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 48.37 Mbit/s
95th percentile per-packet one-way delay: 45.635 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 27.77 Mbit/s
95th percentile per-packet one-way delay: 45.372 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 22.00 Mbit/s
95th percentile per-packet one-way delay: 46.414 ms
Loss rate: 1.21%
```

Run 5: Report of Copa — Data Link

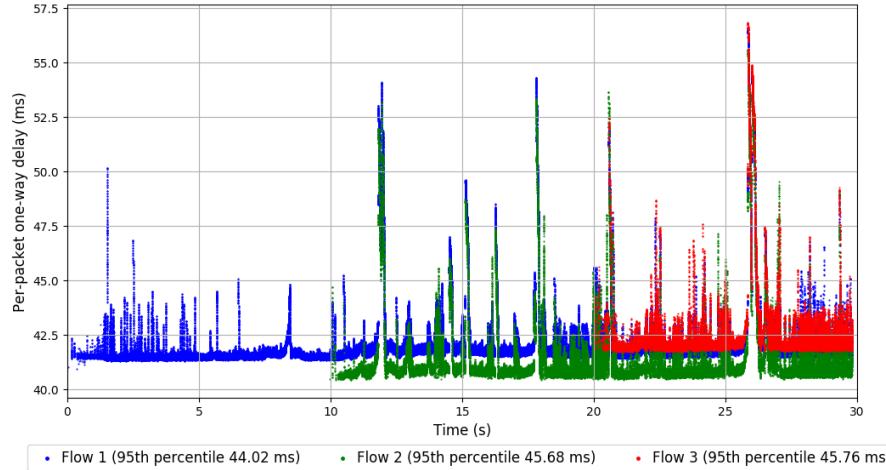
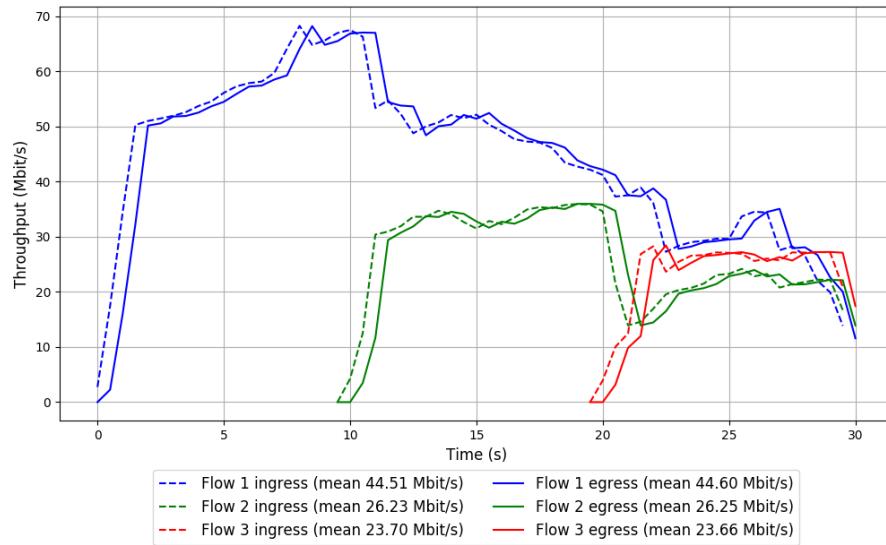


Run 6: Statistics of Copa

```
Start at: 2018-05-22 17:24:05
End at: 2018-05-22 17:24:35
Local clock offset: -10.898 ms
Remote clock offset: -0.895 ms

# Below is generated by plot.py at 2018-05-22 19:09:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.93 Mbit/s
95th percentile per-packet one-way delay: 44.699 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 44.60 Mbit/s
95th percentile per-packet one-way delay: 44.024 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 26.25 Mbit/s
95th percentile per-packet one-way delay: 45.681 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 23.66 Mbit/s
95th percentile per-packet one-way delay: 45.758 ms
Loss rate: 1.25%
```

Run 6: Report of Copa — Data Link

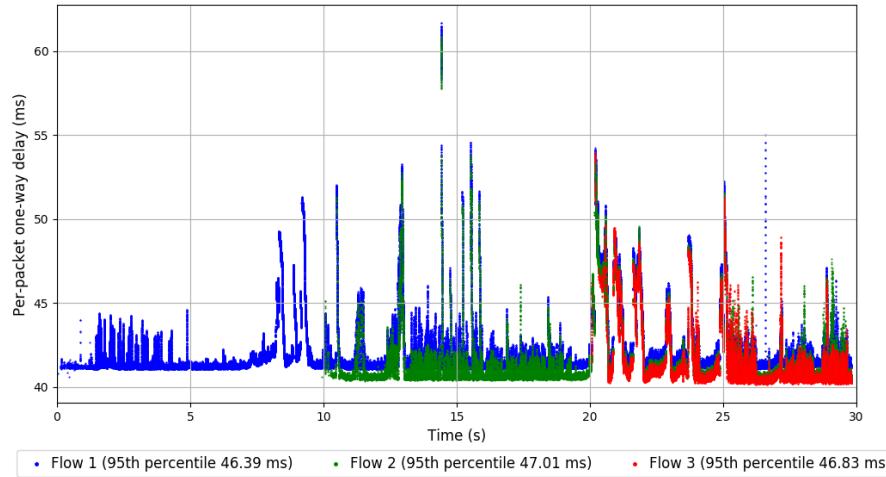
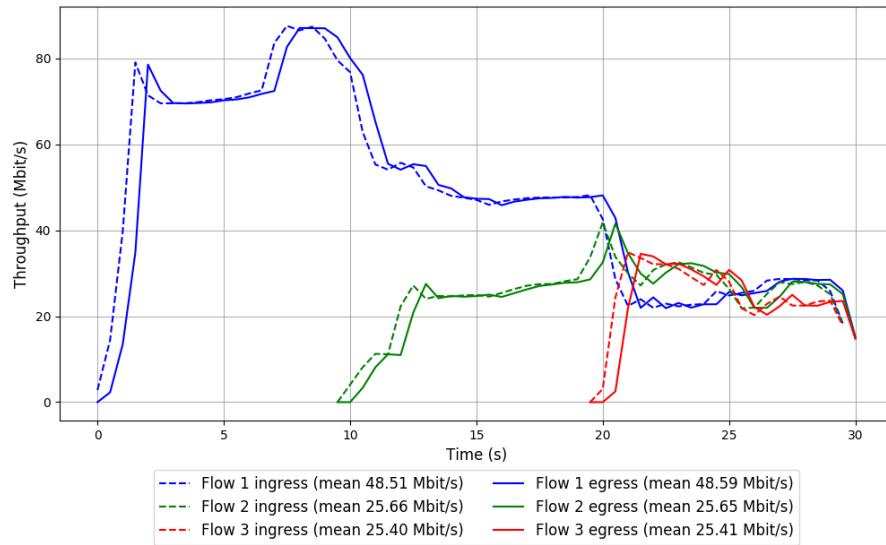


Run 7: Statistics of Copa

```
Start at: 2018-05-22 17:45:39
End at: 2018-05-22 17:46:09
Local clock offset: -0.449 ms
Remote clock offset: -0.884 ms

# Below is generated by plot.py at 2018-05-22 19:10:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.10 Mbit/s
95th percentile per-packet one-way delay: 46.801 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 48.59 Mbit/s
95th percentile per-packet one-way delay: 46.393 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 25.65 Mbit/s
95th percentile per-packet one-way delay: 47.010 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 25.41 Mbit/s
95th percentile per-packet one-way delay: 46.829 ms
Loss rate: 1.10%
```

Run 7: Report of Copa — Data Link

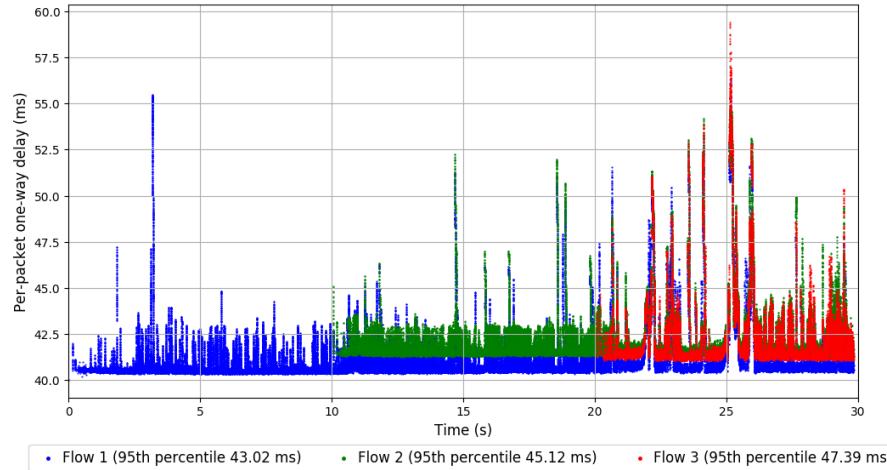
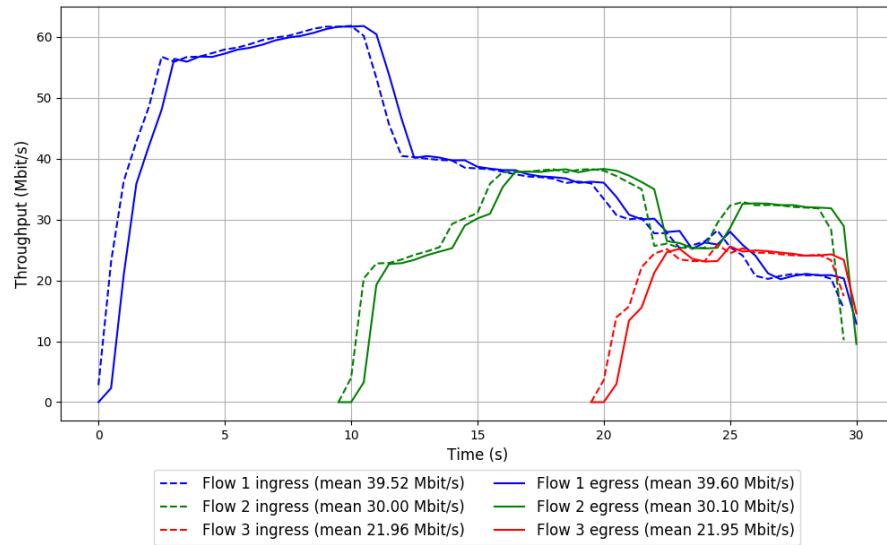


Run 8: Statistics of Copa

```
Start at: 2018-05-22 18:07:12
End at: 2018-05-22 18:07:42
Local clock offset: -1.956 ms
Remote clock offset: -0.327 ms

# Below is generated by plot.py at 2018-05-22 19:10:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.92 Mbit/s
95th percentile per-packet one-way delay: 44.307 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 39.60 Mbit/s
95th percentile per-packet one-way delay: 43.025 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 45.116 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 21.95 Mbit/s
95th percentile per-packet one-way delay: 47.386 ms
Loss rate: 1.09%
```

Run 8: Report of Copa — Data Link

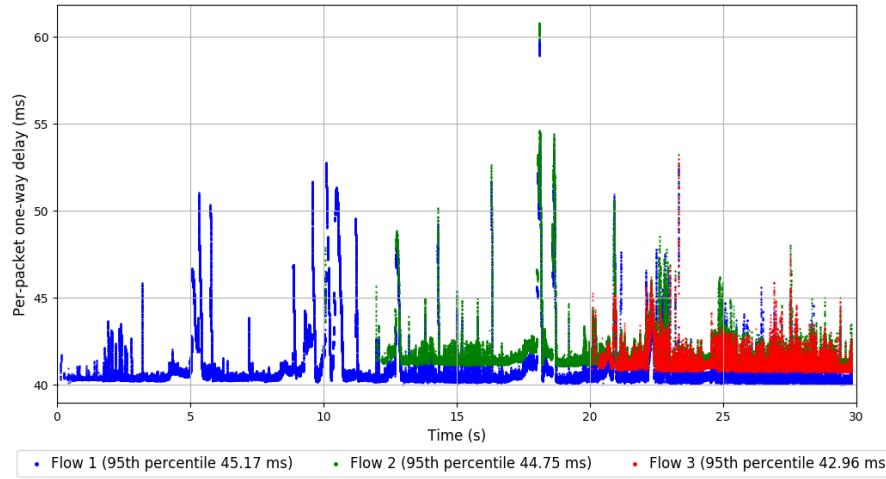
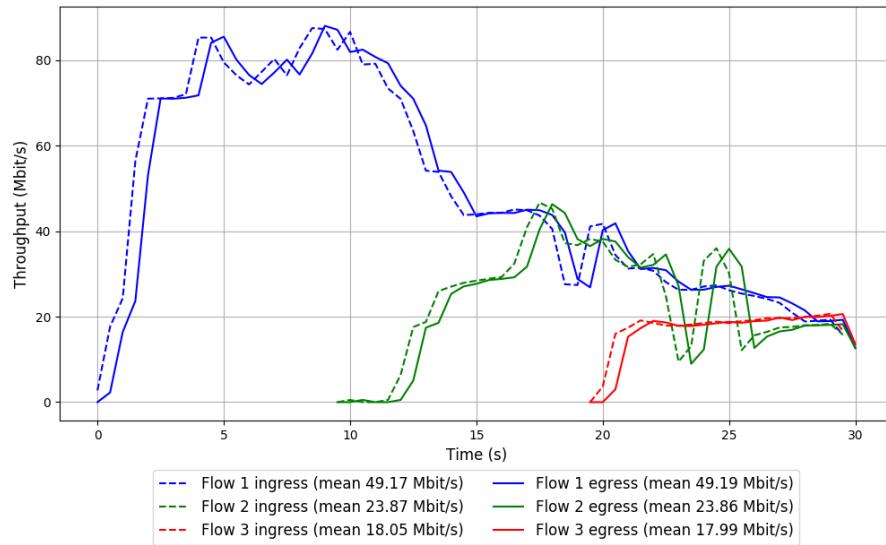


Run 9: Statistics of Copa

```
Start at: 2018-05-22 18:28:45
End at: 2018-05-22 18:29:15
Local clock offset: -2.671 ms
Remote clock offset: -0.143 ms

# Below is generated by plot.py at 2018-05-22 19:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.05 Mbit/s
95th percentile per-packet one-way delay: 44.836 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 49.19 Mbit/s
95th percentile per-packet one-way delay: 45.166 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 44.753 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 17.99 Mbit/s
95th percentile per-packet one-way delay: 42.959 ms
Loss rate: 1.39%
```

Run 9: Report of Copa — Data Link

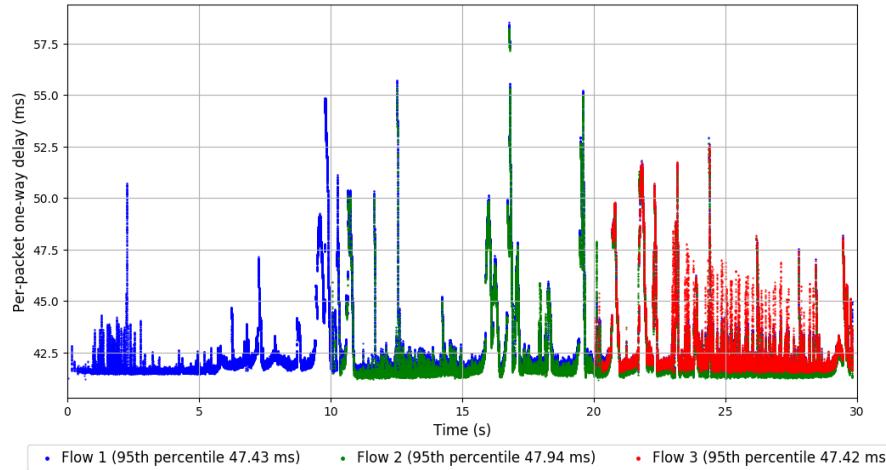
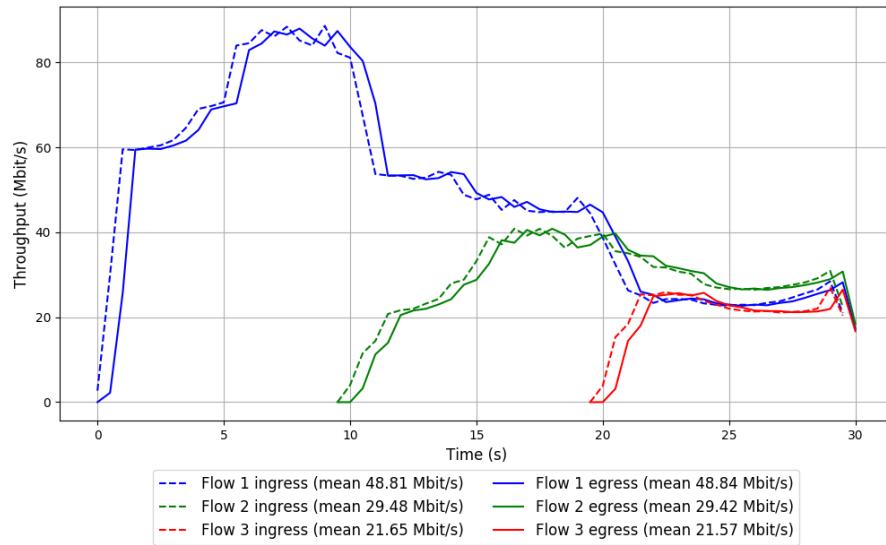


Run 10: Statistics of Copa

```
Start at: 2018-05-22 18:50:18
End at: 2018-05-22 18:50:48
Local clock offset: 1.172 ms
Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2018-05-22 19:11:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.59 Mbit/s
95th percentile per-packet one-way delay: 47.604 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 48.84 Mbit/s
95th percentile per-packet one-way delay: 47.428 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 29.42 Mbit/s
95th percentile per-packet one-way delay: 47.935 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 21.57 Mbit/s
95th percentile per-packet one-way delay: 47.416 ms
Loss rate: 1.46%
```

Run 10: Report of Copa — Data Link

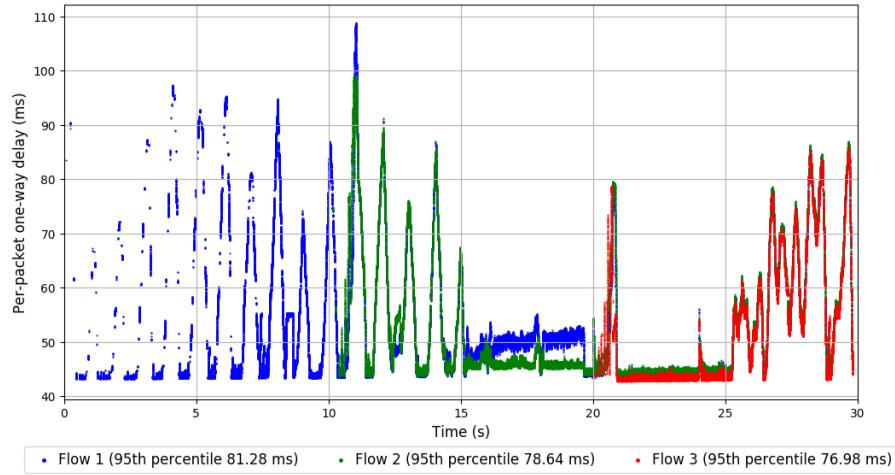
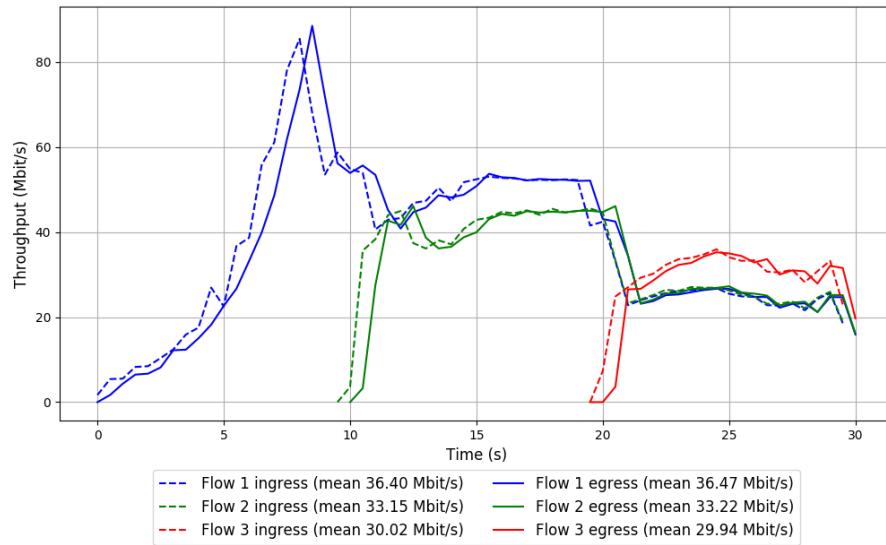


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-22 15:48:24
End at: 2018-05-22 15:48:54
Local clock offset: -42.936 ms
Remote clock offset: -0.213 ms

# Below is generated by plot.py at 2018-05-22 19:11:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.50 Mbit/s
95th percentile per-packet one-way delay: 80.072 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 81.277 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 33.22 Mbit/s
95th percentile per-packet one-way delay: 78.643 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 76.982 ms
Loss rate: 1.31%
```

Run 1: Report of TCP Cubic — Data Link

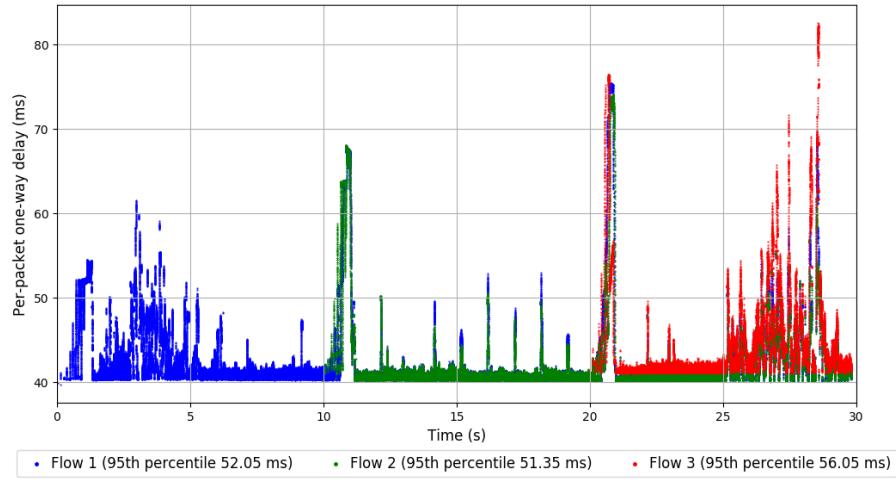
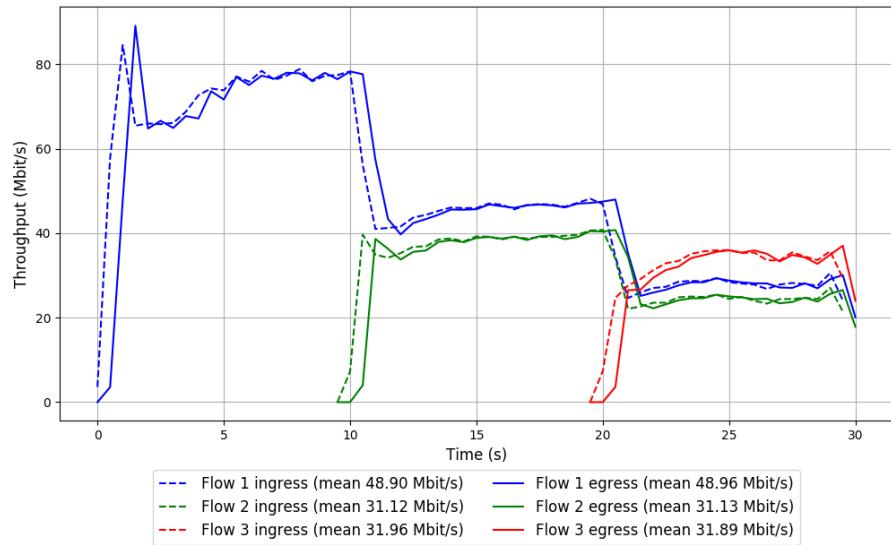


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-22 16:09:57
End at: 2018-05-22 16:10:27
Local clock offset: -23.725 ms
Remote clock offset: -1.959 ms

# Below is generated by plot.py at 2018-05-22 19:11:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.25 Mbit/s
95th percentile per-packet one-way delay: 52.202 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 48.96 Mbit/s
95th percentile per-packet one-way delay: 52.046 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 51.346 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 56.050 ms
Loss rate: 1.28%
```

Run 2: Report of TCP Cubic — Data Link

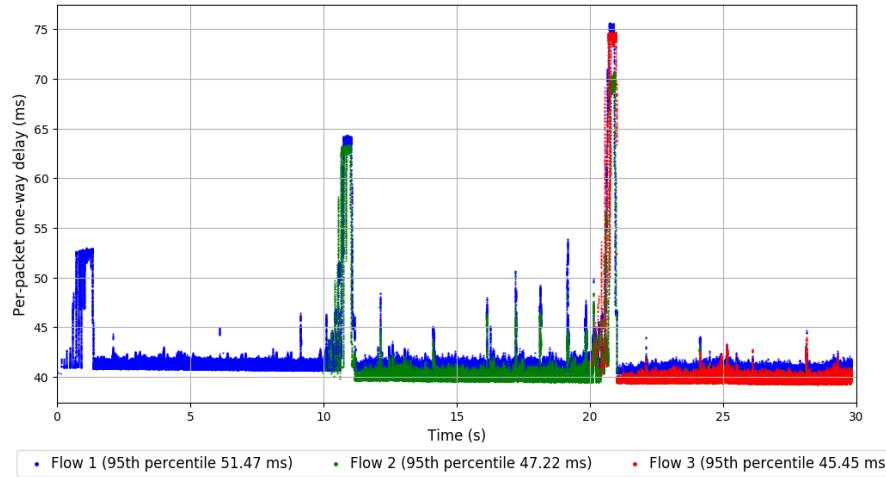
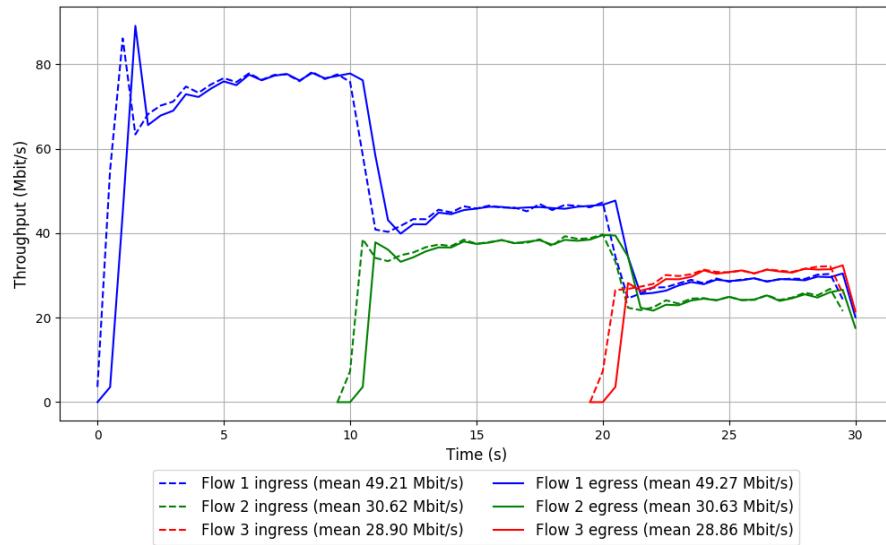


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-22 16:31:30
End at: 2018-05-22 16:32:00
Local clock offset: -19.326 ms
Remote clock offset: -4.248 ms

# Below is generated by plot.py at 2018-05-22 19:11:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.23 Mbit/s
95th percentile per-packet one-way delay: 50.809 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 49.27 Mbit/s
95th percentile per-packet one-way delay: 51.474 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 47.216 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 28.86 Mbit/s
95th percentile per-packet one-way delay: 45.453 ms
Loss rate: 1.25%
```

Run 3: Report of TCP Cubic — Data Link

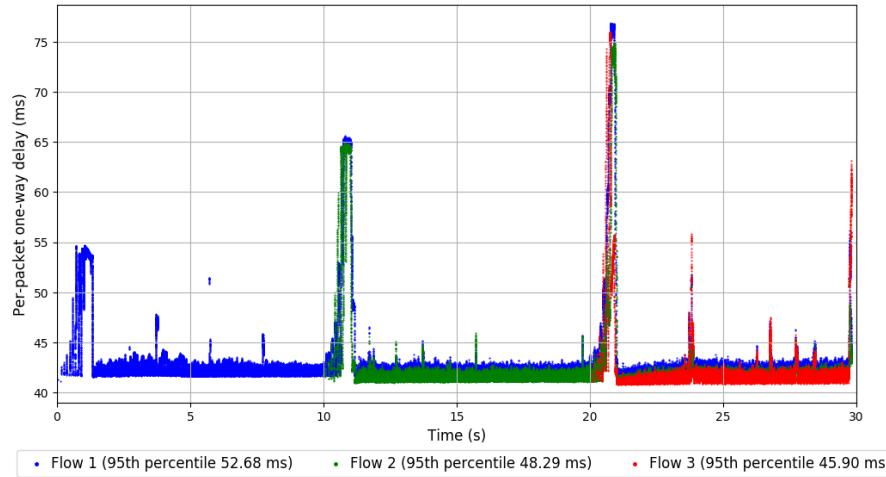
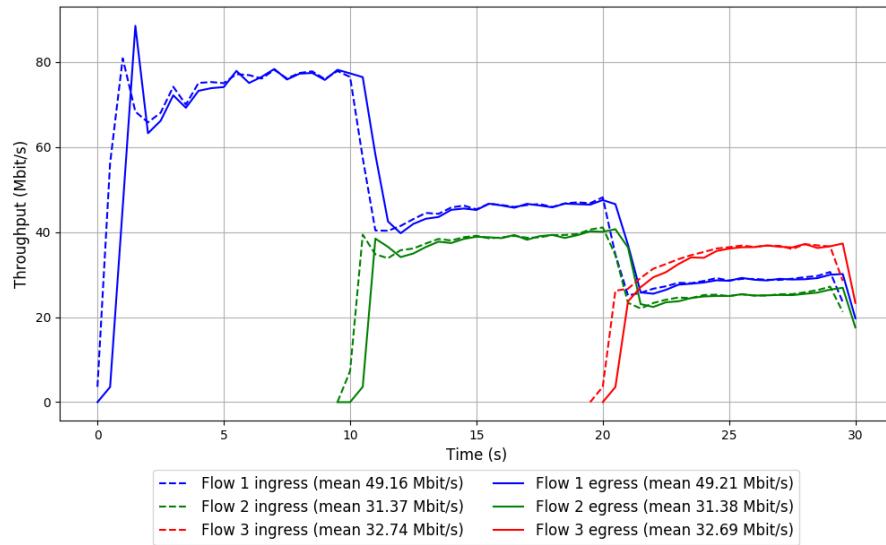


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-22 16:53:04
End at: 2018-05-22 16:53:34
Local clock offset: -15.253 ms
Remote clock offset: -1.572 ms

# Below is generated by plot.py at 2018-05-22 19:11:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.86 Mbit/s
95th percentile per-packet one-way delay: 51.206 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 52.676 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 48.293 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 32.69 Mbit/s
95th percentile per-packet one-way delay: 45.900 ms
Loss rate: 1.23%
```

Run 4: Report of TCP Cubic — Data Link

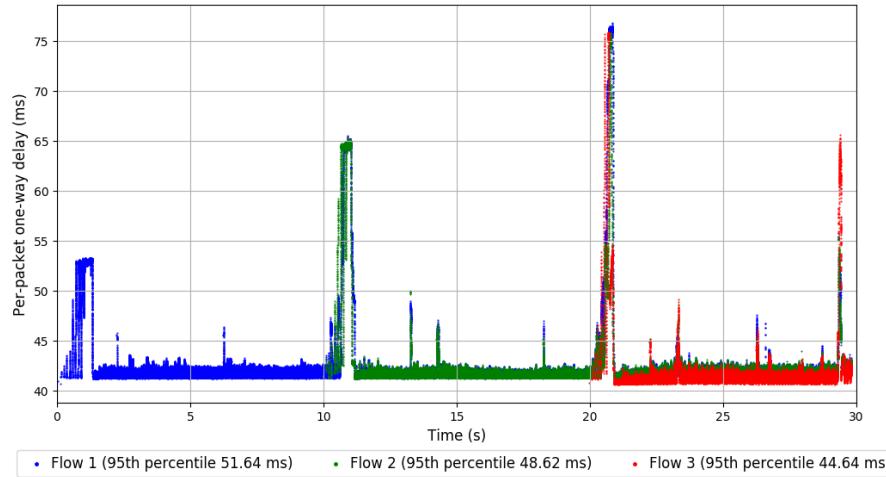
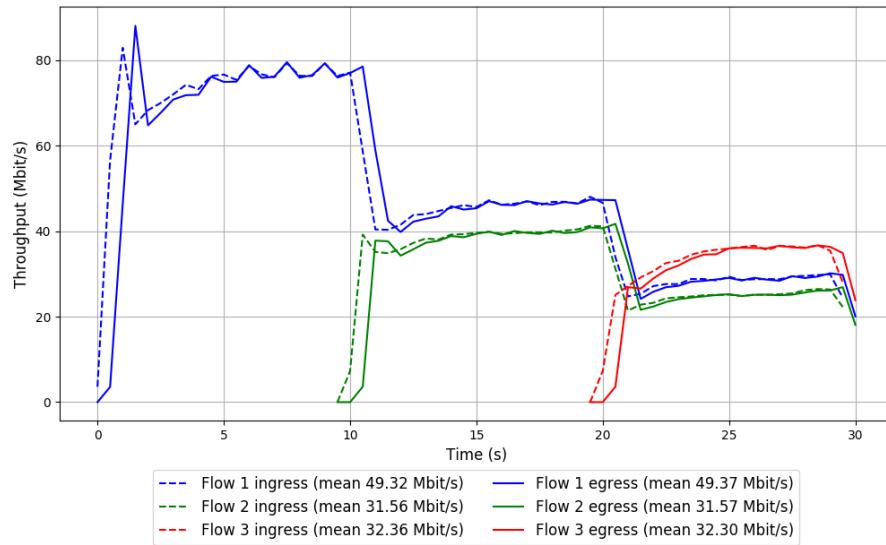


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-22 17:14:38
End at: 2018-05-22 17:15:08
Local clock offset: -8.809 ms
Remote clock offset: -0.679 ms

# Below is generated by plot.py at 2018-05-22 19:11:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.09 Mbit/s
95th percentile per-packet one-way delay: 50.046 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 49.37 Mbit/s
95th percentile per-packet one-way delay: 51.641 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 48.621 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 44.639 ms
Loss rate: 1.24%
```

Run 5: Report of TCP Cubic — Data Link

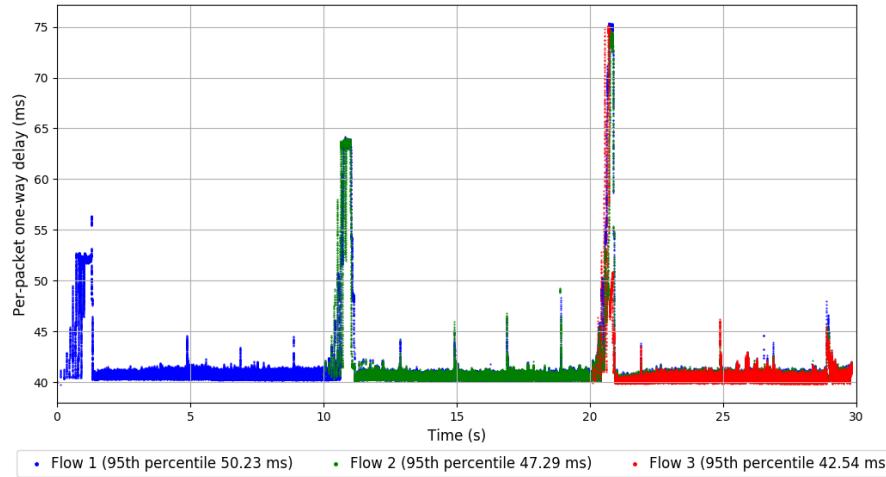
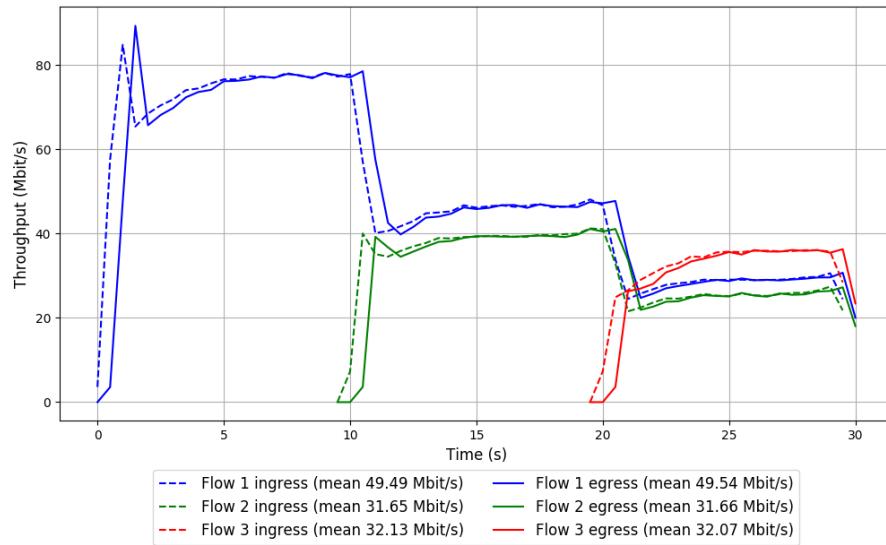


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-22 17:36:11
End at: 2018-05-22 17:36:41
Local clock offset: -2.529 ms
Remote clock offset: -0.909 ms

# Below is generated by plot.py at 2018-05-22 19:11:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 48.624 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 49.54 Mbit/s
95th percentile per-packet one-way delay: 50.231 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 47.290 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 42.541 ms
Loss rate: 1.24%
```

Run 6: Report of TCP Cubic — Data Link

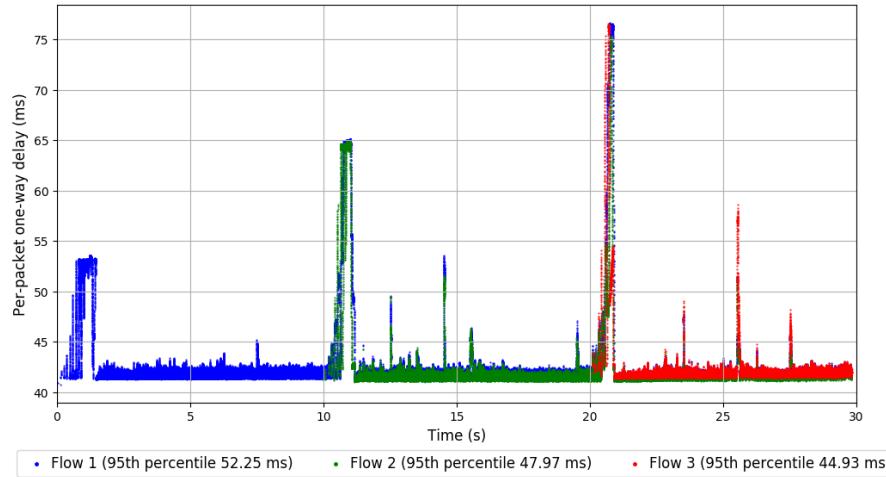
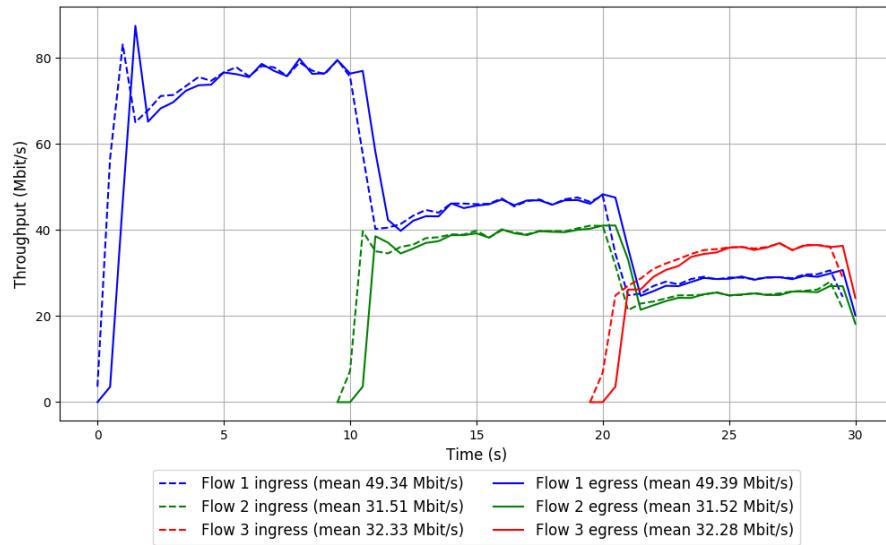


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-22 17:57:44
End at: 2018-05-22 17:58:14
Local clock offset: -1.014 ms
Remote clock offset: -0.433 ms

# Below is generated by plot.py at 2018-05-22 19:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.06 Mbit/s
95th percentile per-packet one-way delay: 50.699 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 49.39 Mbit/s
95th percentile per-packet one-way delay: 52.248 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 31.52 Mbit/s
95th percentile per-packet one-way delay: 47.965 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 44.931 ms
Loss rate: 1.23%
```

Run 7: Report of TCP Cubic — Data Link

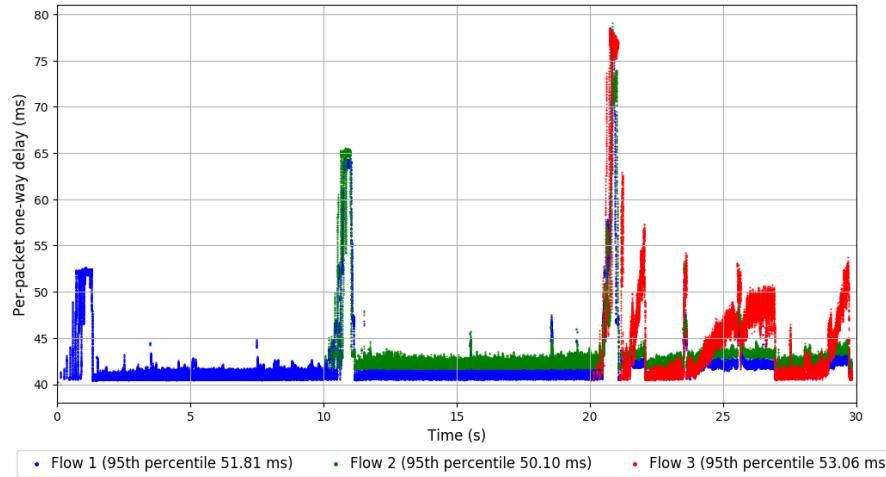
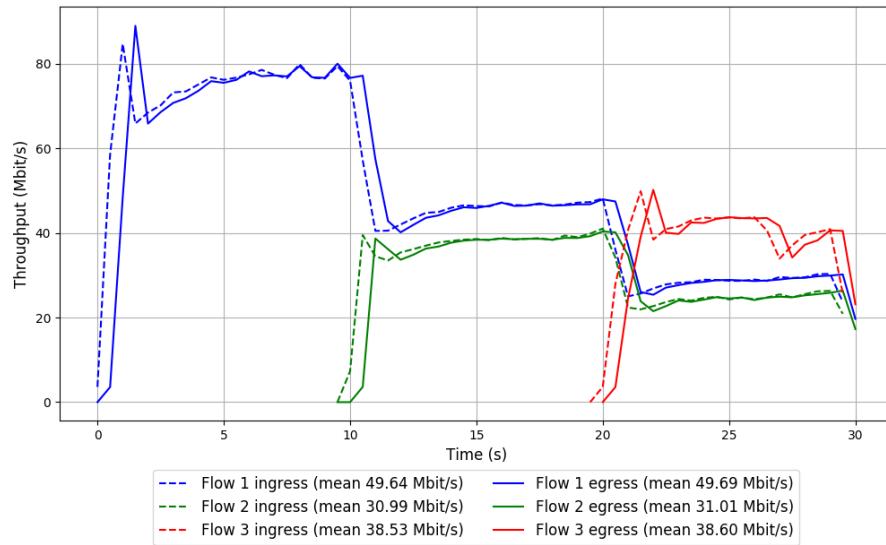


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-22 18:19:16
End at: 2018-05-22 18:19:46
Local clock offset: -3.17 ms
Remote clock offset: -0.347 ms

# Below is generated by plot.py at 2018-05-22 19:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.03 Mbit/s
95th percentile per-packet one-way delay: 51.975 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 51.810 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 50.098 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 38.60 Mbit/s
95th percentile per-packet one-way delay: 53.058 ms
Loss rate: 0.87%
```

Run 8: Report of TCP Cubic — Data Link

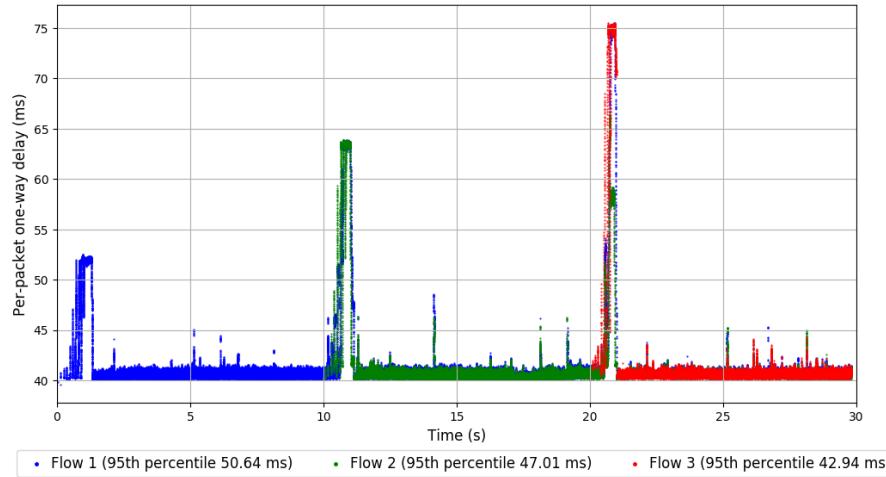
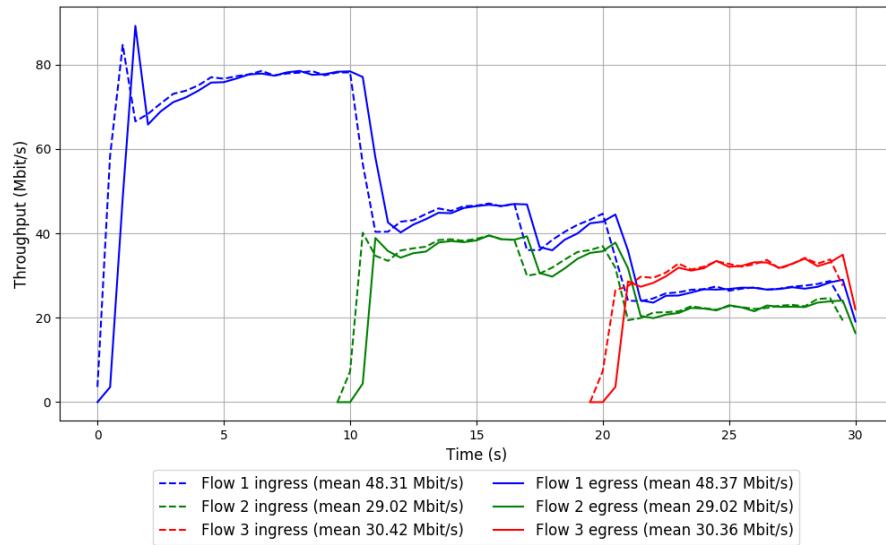


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-22 18:40:50
End at: 2018-05-22 18:41:20
Local clock offset: 0.565 ms
Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2018-05-22 19:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.74 Mbit/s
95th percentile per-packet one-way delay: 49.621 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 48.37 Mbit/s
95th percentile per-packet one-way delay: 50.638 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 29.02 Mbit/s
95th percentile per-packet one-way delay: 47.010 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 42.939 ms
Loss rate: 1.25%
```

Run 9: Report of TCP Cubic — Data Link

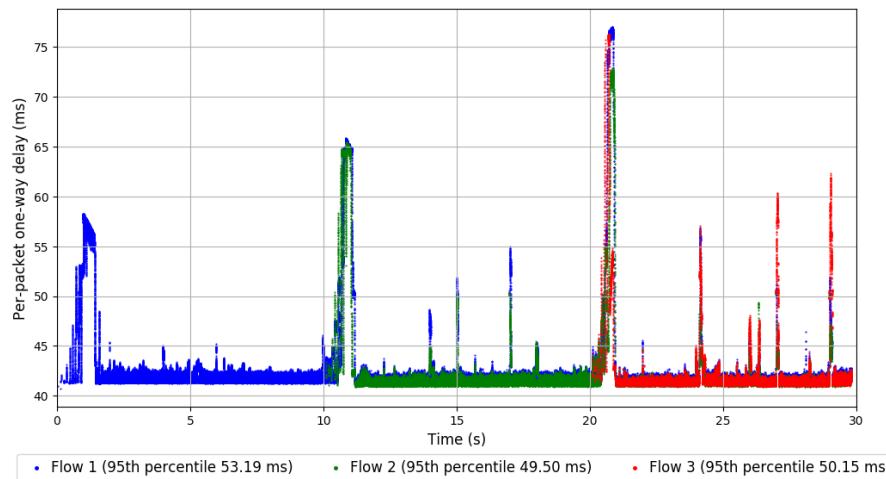
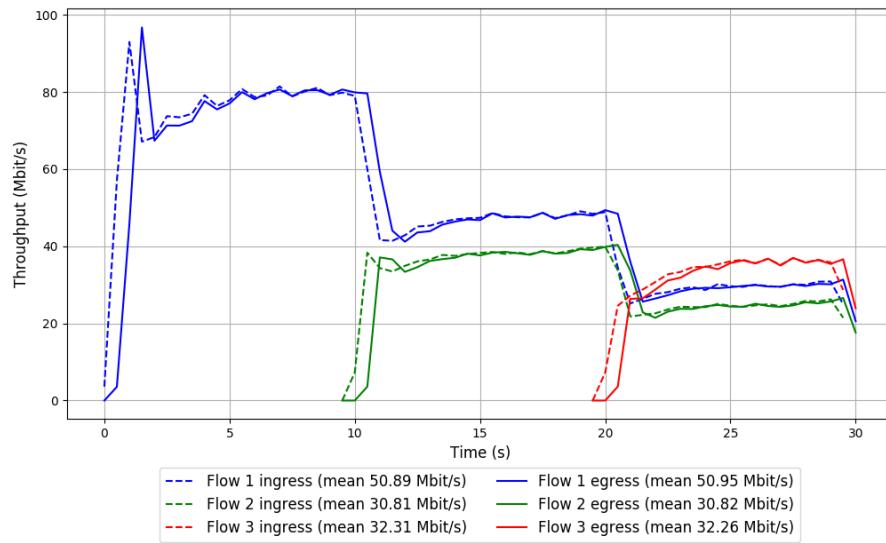


Run 10: Statistics of TCP Cubic

```
Start at: 2018-05-22 19:02:34
End at: 2018-05-22 19:03:04
Local clock offset: 2.559 ms
Remote clock offset: 0.04 ms

# Below is generated by plot.py at 2018-05-22 19:11:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.14 Mbit/s
95th percentile per-packet one-way delay: 52.671 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 50.95 Mbit/s
95th percentile per-packet one-way delay: 53.191 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 49.498 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 50.152 ms
Loss rate: 1.25%
```

Run 10: Report of TCP Cubic — Data Link

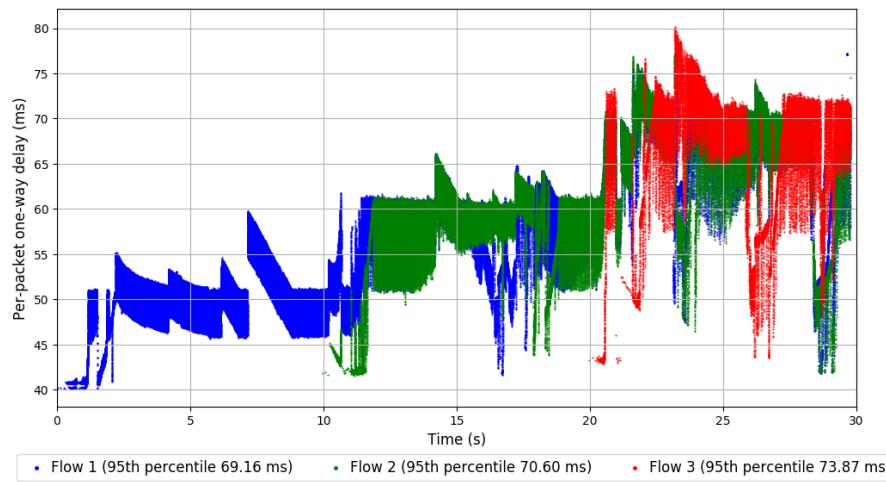
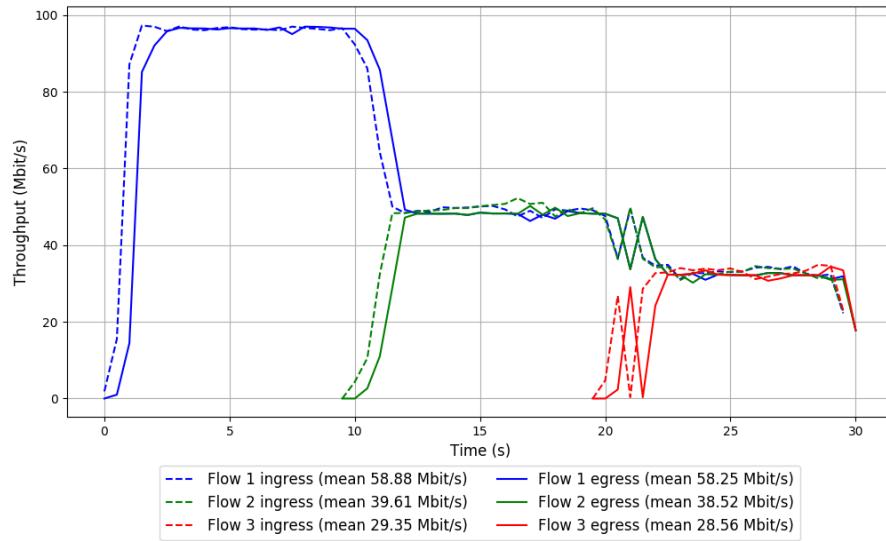


```
Run 1: Statistics of FillP

Start at: 2018-05-22 15:32:14
End at: 2018-05-22 15:32:44
Local clock offset: -20.361 ms
Remote clock offset: 1.572 ms

# Below is generated by plot.py at 2018-05-22 19:12:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 70.678 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 58.25 Mbit/s
95th percentile per-packet one-way delay: 69.157 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 38.52 Mbit/s
95th percentile per-packet one-way delay: 70.596 ms
Loss rate: 3.33%
-- Flow 3:
Average throughput: 28.56 Mbit/s
95th percentile per-packet one-way delay: 73.867 ms
Loss rate: 3.82%
```

Run 1: Report of FillP — Data Link

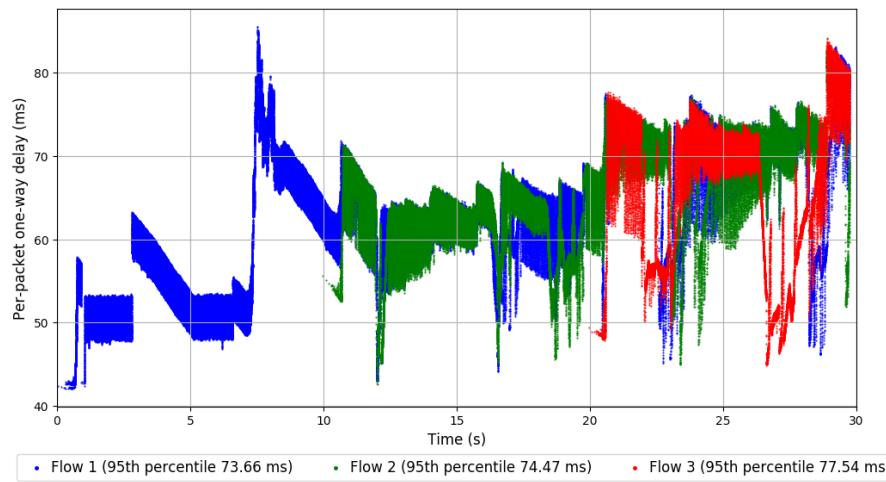
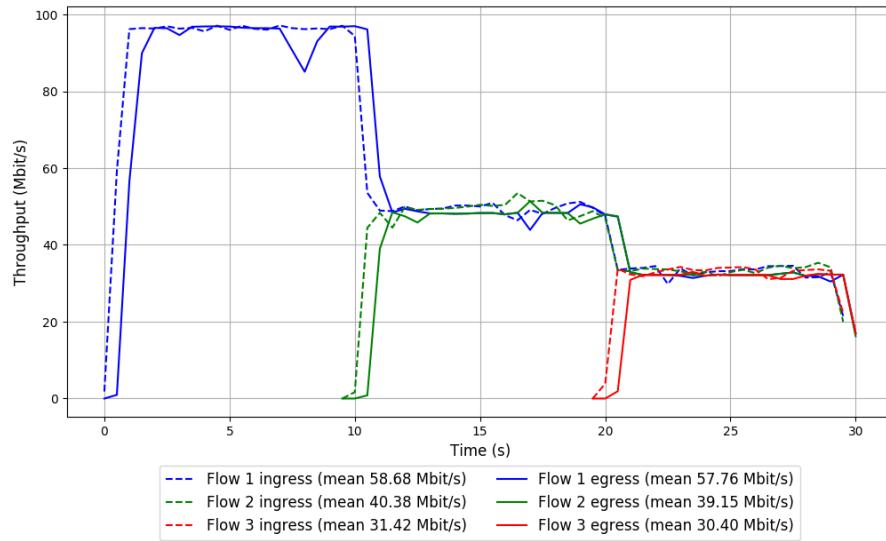


Run 2: Statistics of FillP

```
Start at: 2018-05-22 15:53:48
End at: 2018-05-22 15:54:18
Local clock offset: -52.981 ms
Remote clock offset: 0.248 ms

# Below is generated by plot.py at 2018-05-22 19:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 74.424 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 57.76 Mbit/s
95th percentile per-packet one-way delay: 73.657 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 39.15 Mbit/s
95th percentile per-packet one-way delay: 74.466 ms
Loss rate: 3.65%
-- Flow 3:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 77.544 ms
Loss rate: 4.52%
```

Run 2: Report of FillP — Data Link

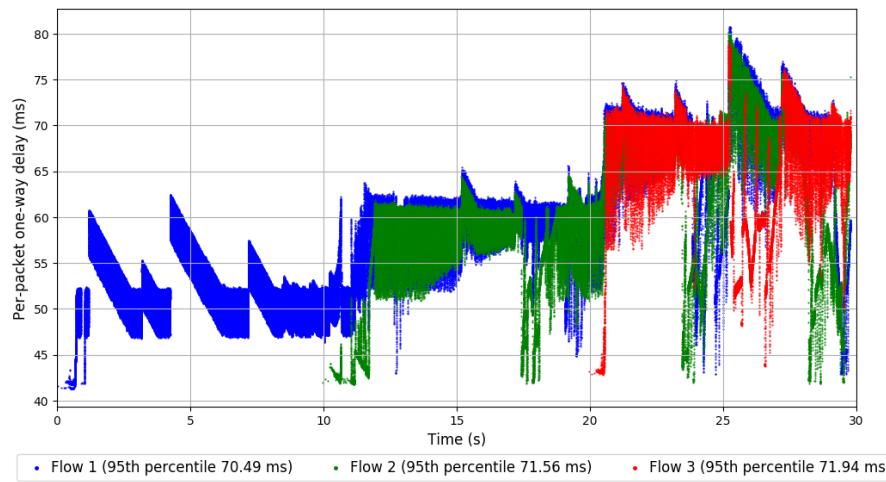
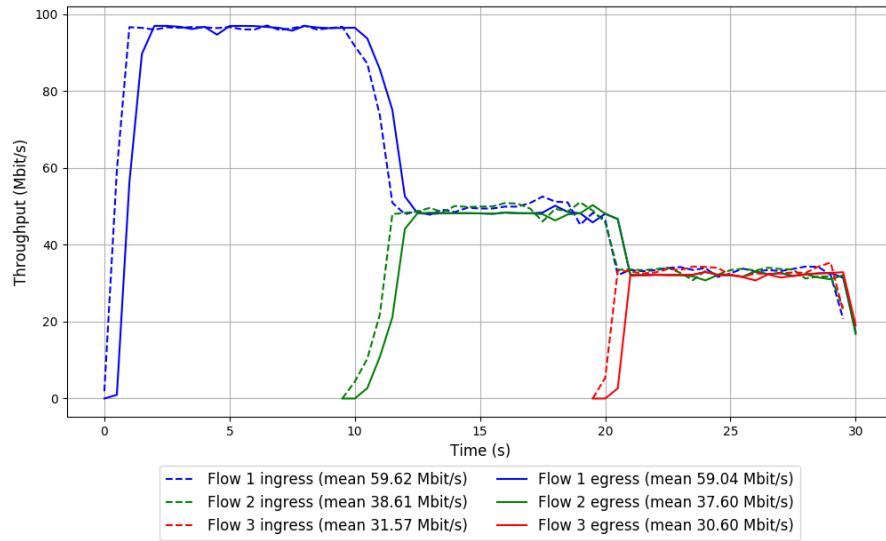


Run 3: Statistics of FillP

```
Start at: 2018-05-22 16:15:21
End at: 2018-05-22 16:15:51
Local clock offset: -23.367 ms
Remote clock offset: -3.089 ms

# Below is generated by plot.py at 2018-05-22 19:12:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 71.007 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 59.04 Mbit/s
95th percentile per-packet one-way delay: 70.492 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 71.564 ms
Loss rate: 3.13%
-- Flow 3:
Average throughput: 30.60 Mbit/s
95th percentile per-packet one-way delay: 71.943 ms
Loss rate: 4.19%
```

Run 3: Report of FillP — Data Link

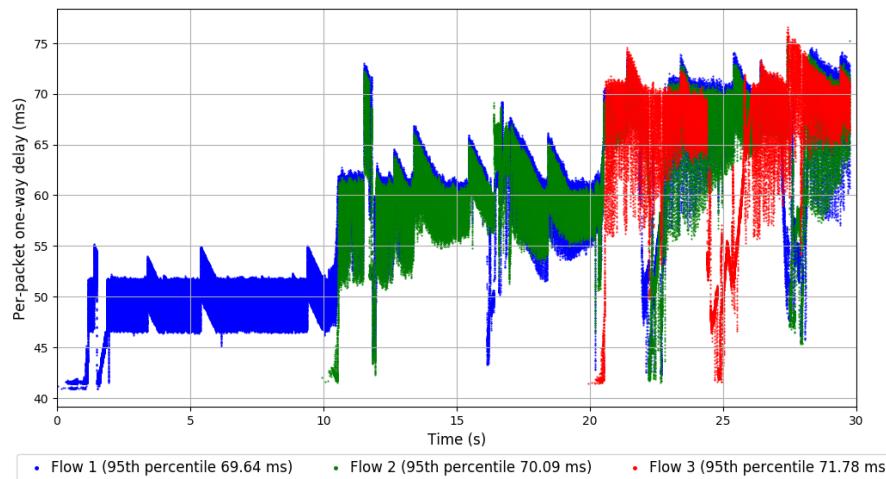
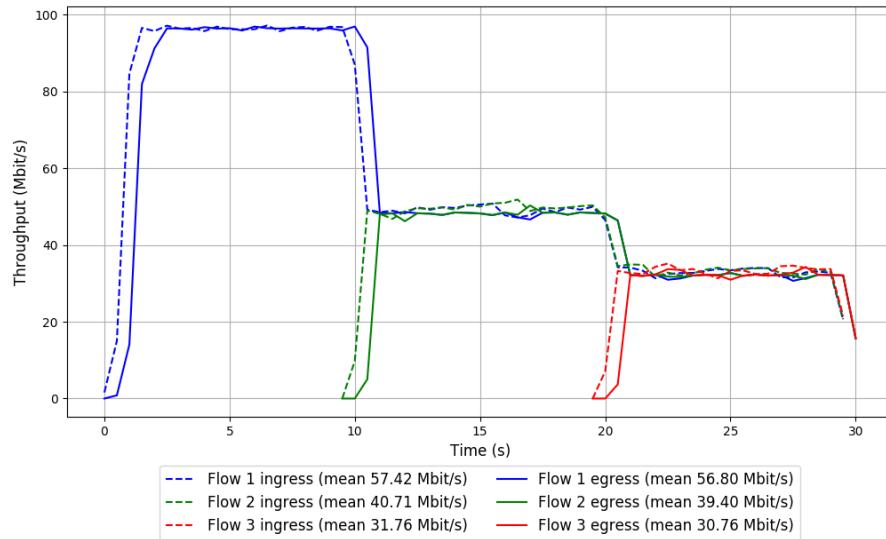


Run 4: Statistics of FillP

```
Start at: 2018-05-22 16:36:54
End at: 2018-05-22 16:37:25
Local clock offset: -13.877 ms
Remote clock offset: -4.665 ms

# Below is generated by plot.py at 2018-05-22 19:12:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 70.306 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 69.645 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 70.093 ms
Loss rate: 3.76%
-- Flow 3:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 71.785 ms
Loss rate: 4.29%
```

Run 4: Report of FillP — Data Link

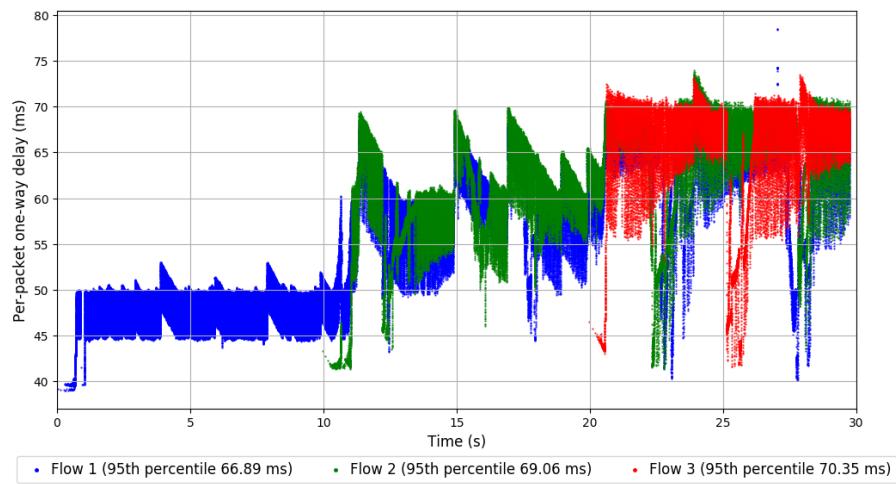
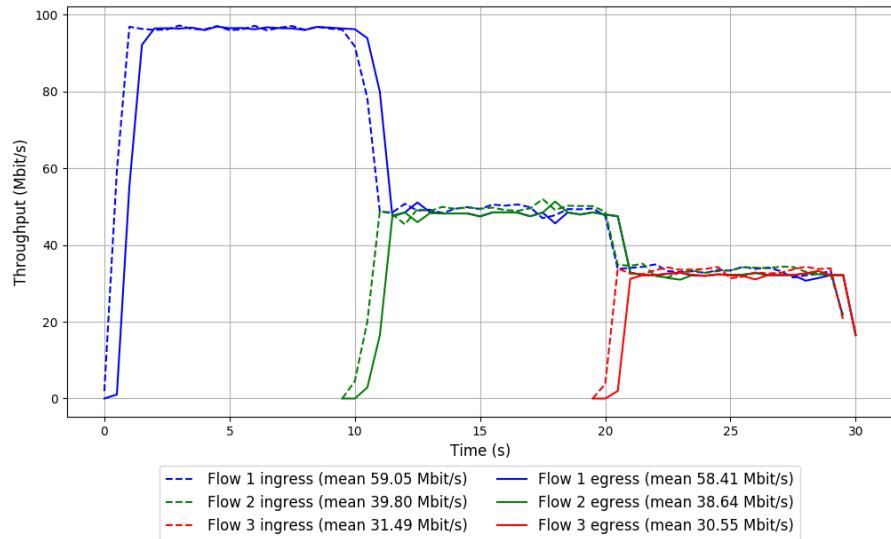


Run 5: Statistics of FillP

```
Start at: 2018-05-22 16:58:28
End at: 2018-05-22 16:58:58
Local clock offset: -14.235 ms
Remote clock offset: -1.09 ms

# Below is generated by plot.py at 2018-05-22 19:12:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.19 Mbit/s
95th percentile per-packet one-way delay: 68.706 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 66.888 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 69.061 ms
Loss rate: 3.49%
-- Flow 3:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 70.354 ms
Loss rate: 4.05%
```

Run 5: Report of FillP — Data Link

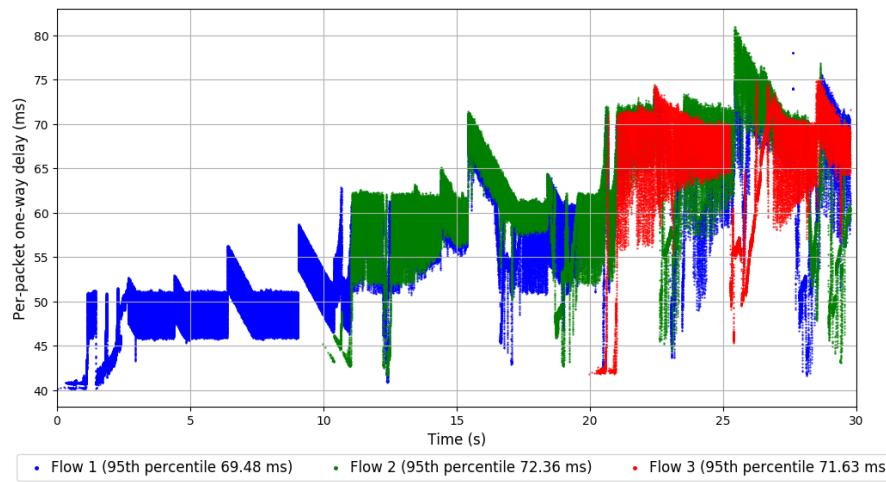
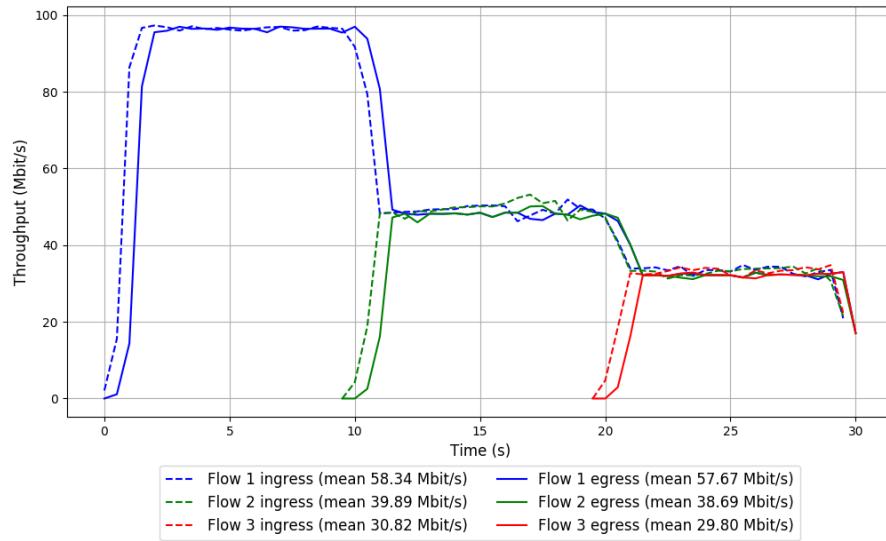


Run 6: Statistics of FillP

```
Start at: 2018-05-22 17:20:02
End at: 2018-05-22 17:20:32
Local clock offset: -9.723 ms
Remote clock offset: -0.776 ms

# Below is generated by plot.py at 2018-05-22 19:12:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 70.967 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 57.67 Mbit/s
95th percentile per-packet one-way delay: 69.479 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 38.69 Mbit/s
95th percentile per-packet one-way delay: 72.363 ms
Loss rate: 3.50%
-- Flow 3:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 71.627 ms
Loss rate: 4.40%
```

Run 6: Report of FillP — Data Link

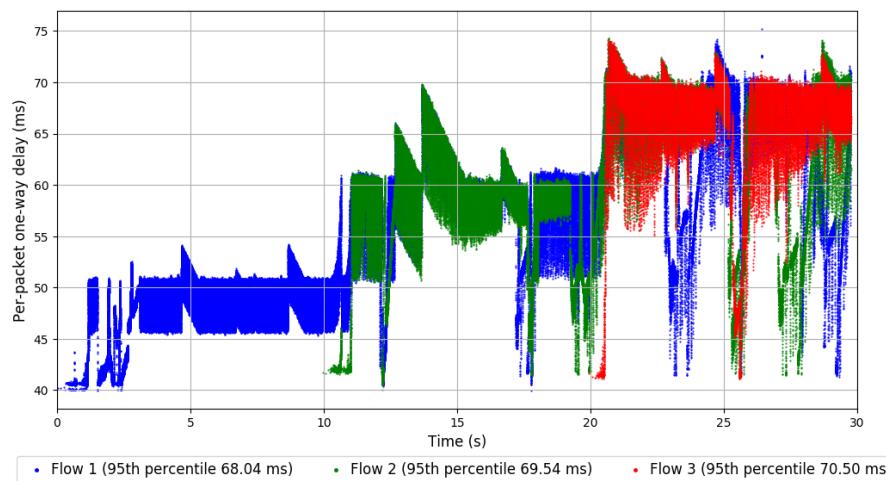
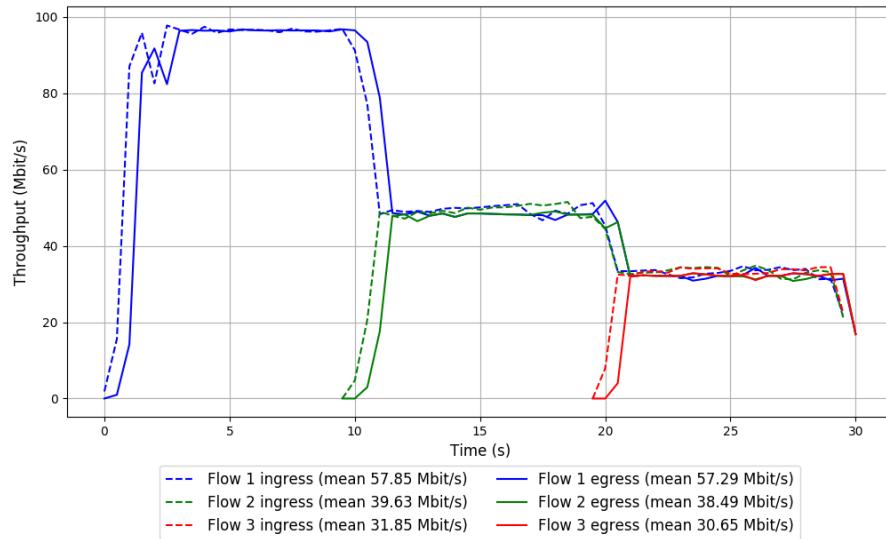


Run 7: Statistics of FillP

```
Start at: 2018-05-22 17:41:35
End at: 2018-05-22 17:42:05
Local clock offset: -0.797 ms
Remote clock offset: -0.897 ms

# Below is generated by plot.py at 2018-05-22 19:12:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 69.235 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 57.29 Mbit/s
95th percentile per-packet one-way delay: 68.041 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 69.538 ms
Loss rate: 3.42%
-- Flow 3:
Average throughput: 30.65 Mbit/s
95th percentile per-packet one-way delay: 70.496 ms
Loss rate: 4.86%
```

Run 7: Report of FillP — Data Link

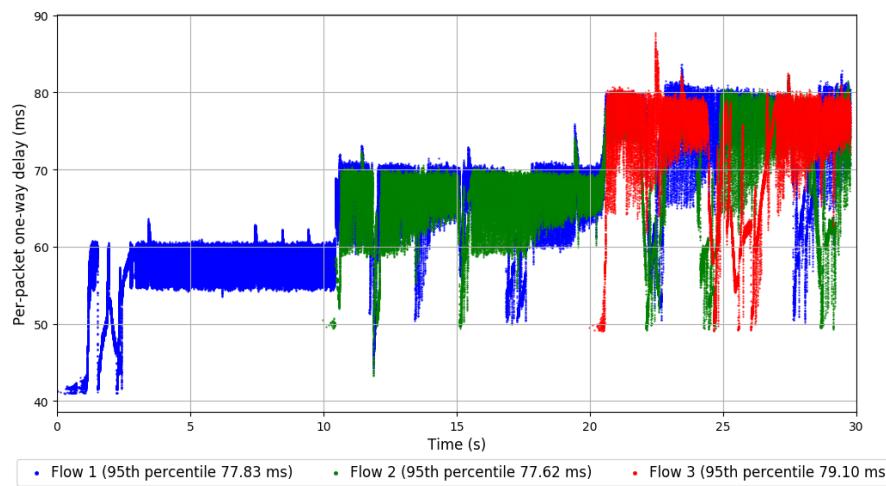
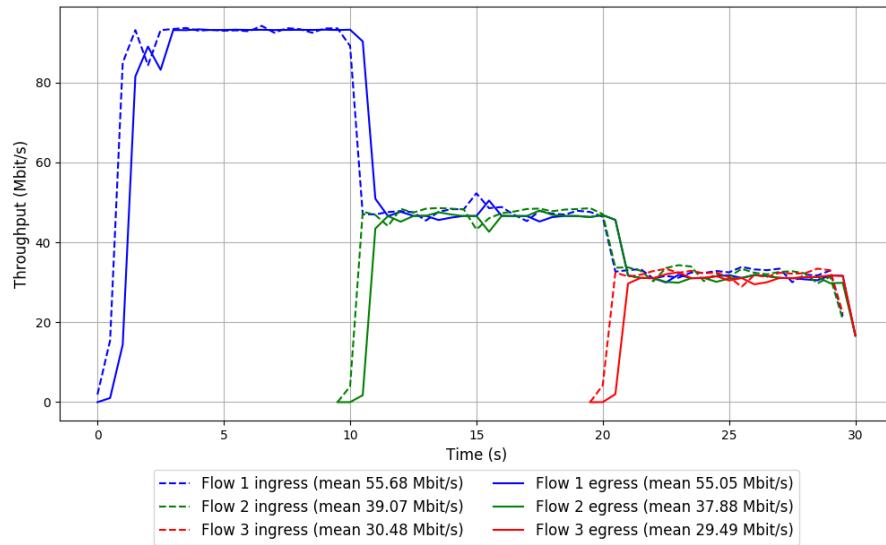


Run 8: Statistics of FillP

```
Start at: 2018-05-22 18:03:09
End at: 2018-05-22 18:03:39
Local clock offset: -1.388 ms
Remote clock offset: -0.336 ms

# Below is generated by plot.py at 2018-05-22 19:12:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: 78.162 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 77.826 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 37.88 Mbit/s
95th percentile per-packet one-way delay: 77.622 ms
Loss rate: 3.65%
-- Flow 3:
Average throughput: 29.49 Mbit/s
95th percentile per-packet one-way delay: 79.101 ms
Loss rate: 4.51%
```

Run 8: Report of FillP — Data Link

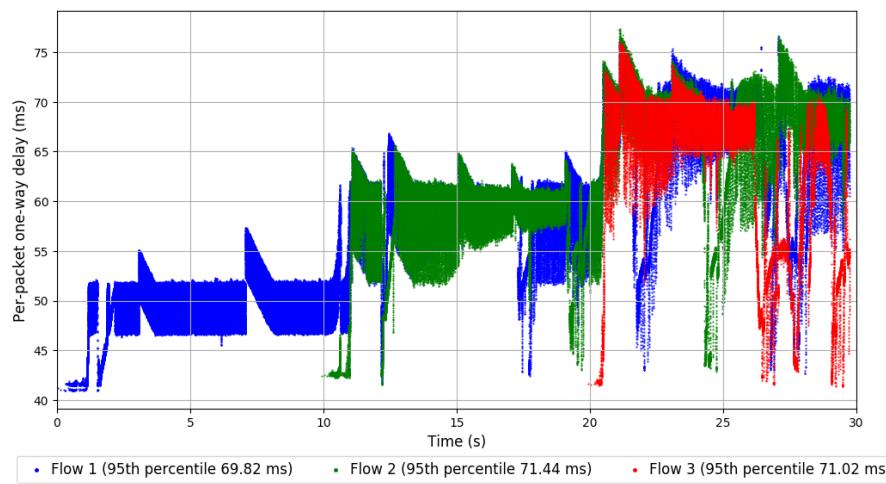
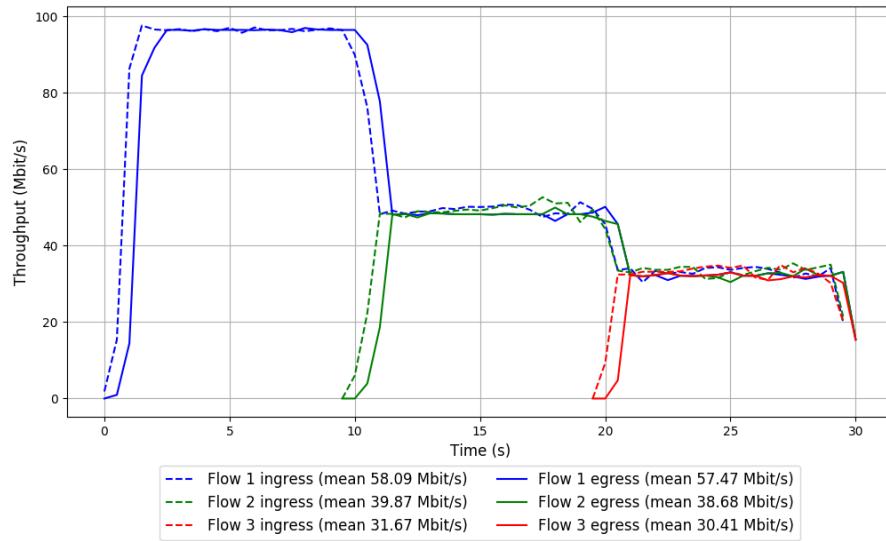


Run 9: Statistics of FillP

```
Start at: 2018-05-22 18:24:41
End at: 2018-05-22 18:25:11
Local clock offset: -3.995 ms
Remote clock offset: -0.183 ms

# Below is generated by plot.py at 2018-05-22 19:13:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 70.607 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 57.47 Mbit/s
95th percentile per-packet one-way delay: 69.819 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 38.68 Mbit/s
95th percentile per-packet one-way delay: 71.435 ms
Loss rate: 3.55%
-- Flow 3:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: 71.019 ms
Loss rate: 4.98%
```

Run 9: Report of FillP — Data Link

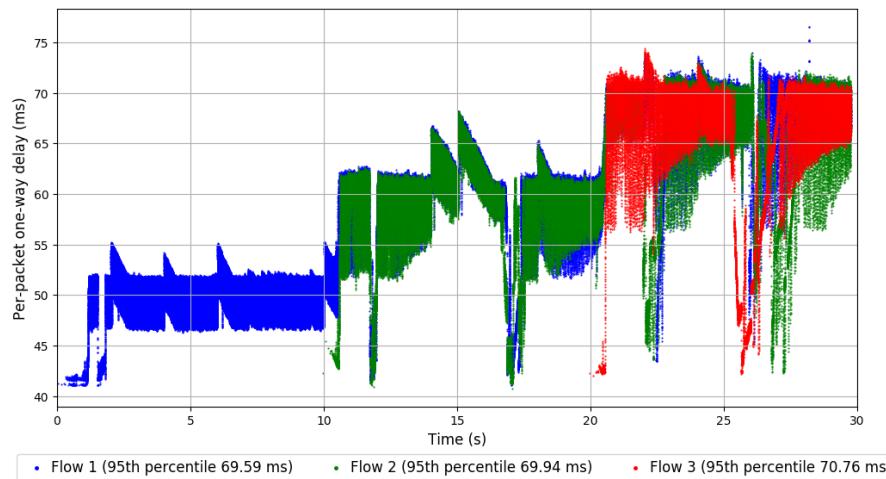
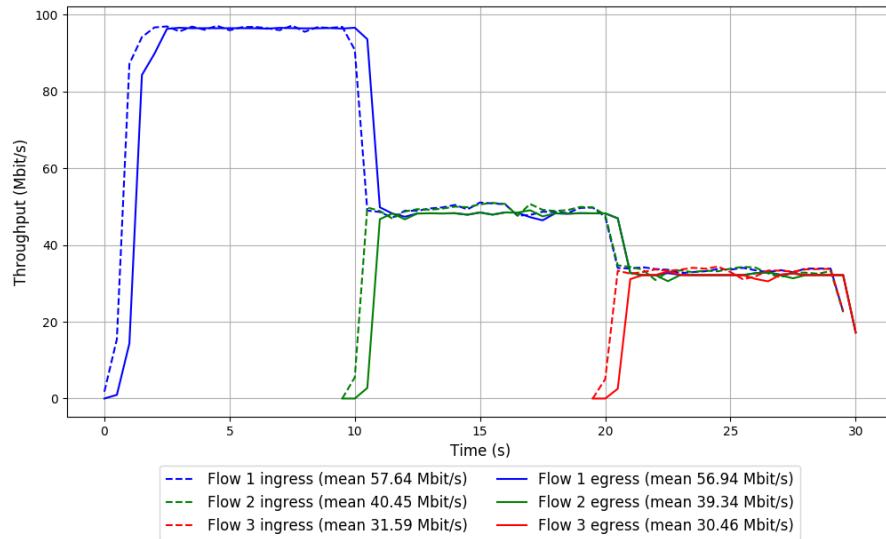


Run 10: Statistics of FillP

```
Start at: 2018-05-22 18:46:14
End at: 2018-05-22 18:46:44
Local clock offset: 1.081 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2018-05-22 19:13:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 70.011 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 69.590 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 69.944 ms
Loss rate: 3.33%
-- Flow 3:
Average throughput: 30.46 Mbit/s
95th percentile per-packet one-way delay: 70.761 ms
Loss rate: 4.74%
```

Run 10: Report of FillP — Data Link

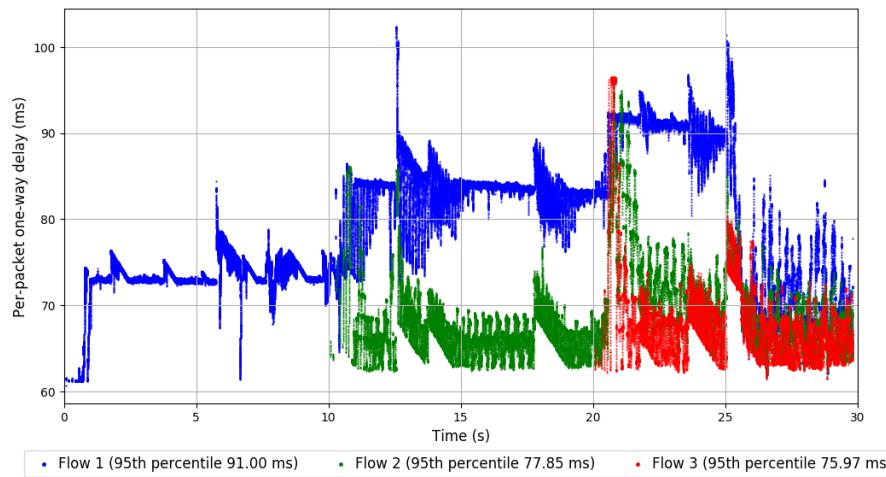
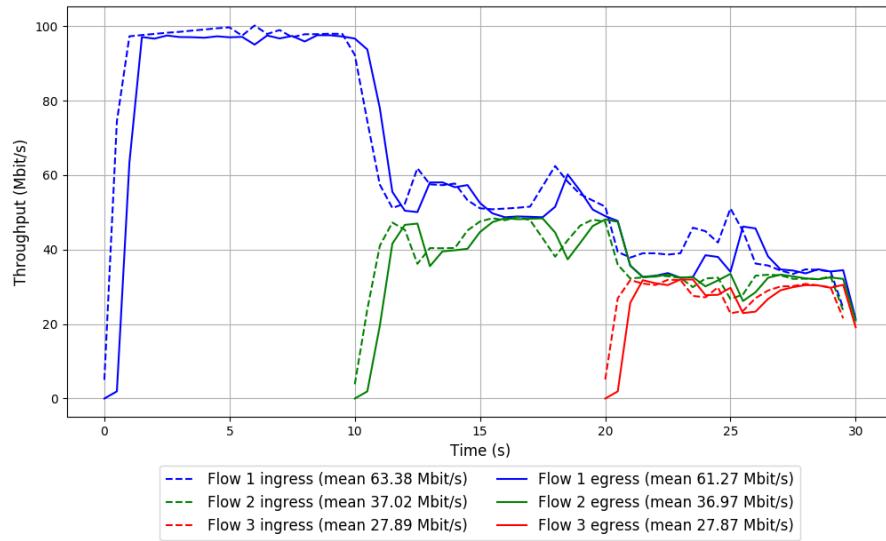


Run 1: Statistics of Indigo

```
Start at: 2018-05-22 15:34:54
End at: 2018-05-22 15:35:24
Local clock offset: -22.678 ms
Remote clock offset: -17.88 ms

# Below is generated by plot.py at 2018-05-22 19:13:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 89.625 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 61.27 Mbit/s
95th percentile per-packet one-way delay: 91.001 ms
Loss rate: 3.65%
-- Flow 2:
Average throughput: 36.97 Mbit/s
95th percentile per-packet one-way delay: 77.850 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 27.87 Mbit/s
95th percentile per-packet one-way delay: 75.975 ms
Loss rate: 1.15%
```

Run 1: Report of Indigo — Data Link

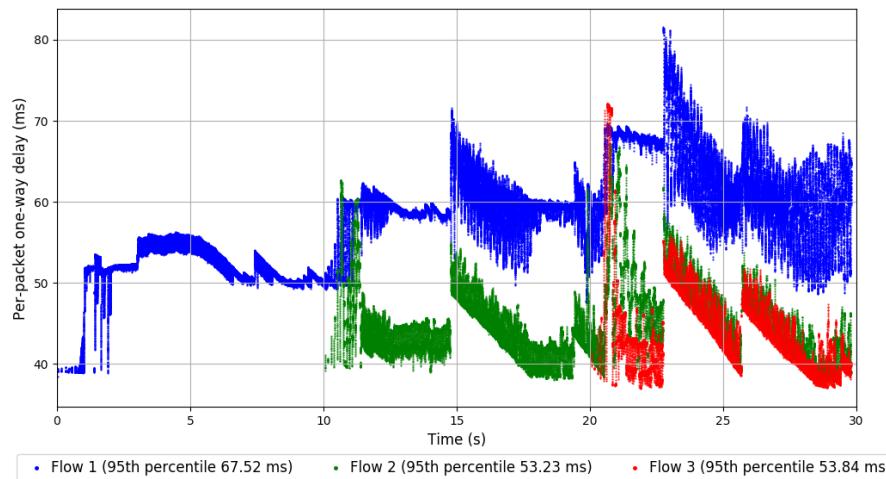
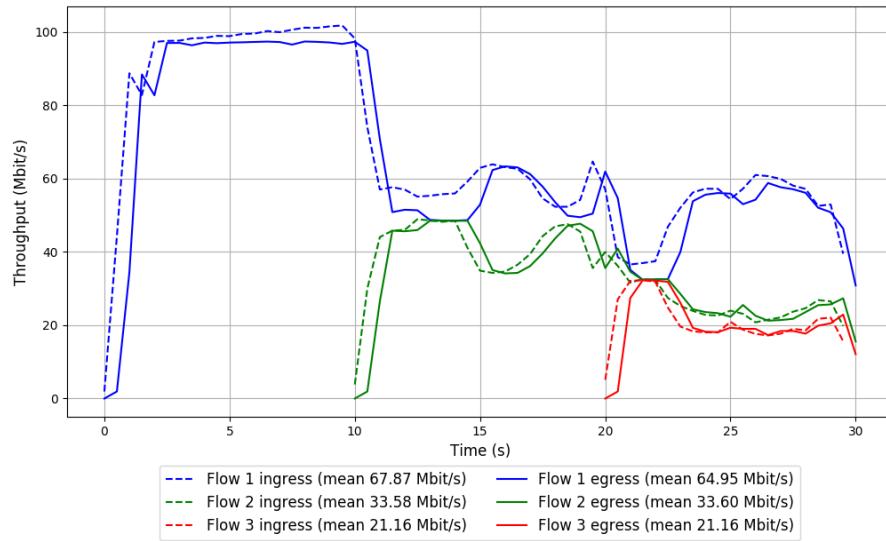


Run 2: Statistics of Indigo

```
Start at: 2018-05-22 15:56:29
End at: 2018-05-22 15:56:59
Local clock offset: -58.222 ms
Remote clock offset: 0.307 ms

# Below is generated by plot.py at 2018-05-22 19:13:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 66.231 ms
Loss rate: 3.45%
-- Flow 1:
Average throughput: 64.95 Mbit/s
95th percentile per-packet one-way delay: 67.519 ms
Loss rate: 4.67%
-- Flow 2:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 53.233 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 21.16 Mbit/s
95th percentile per-packet one-way delay: 53.840 ms
Loss rate: 1.12%
```

Run 2: Report of Indigo — Data Link

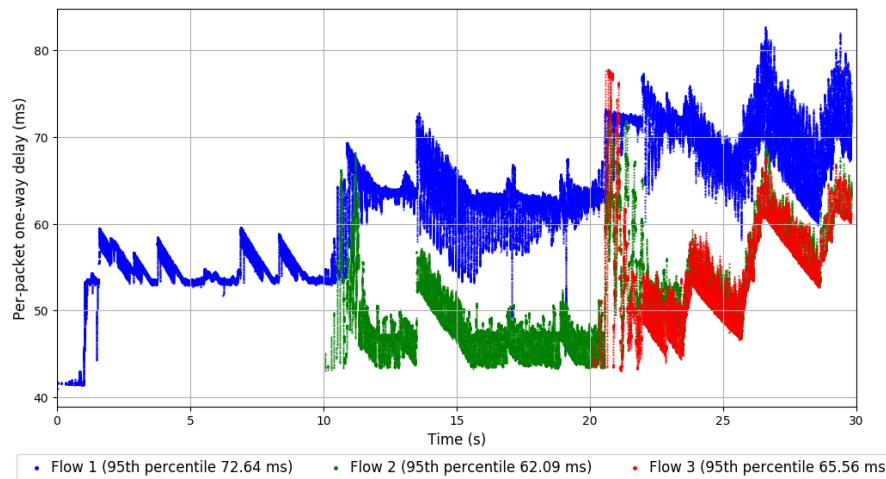
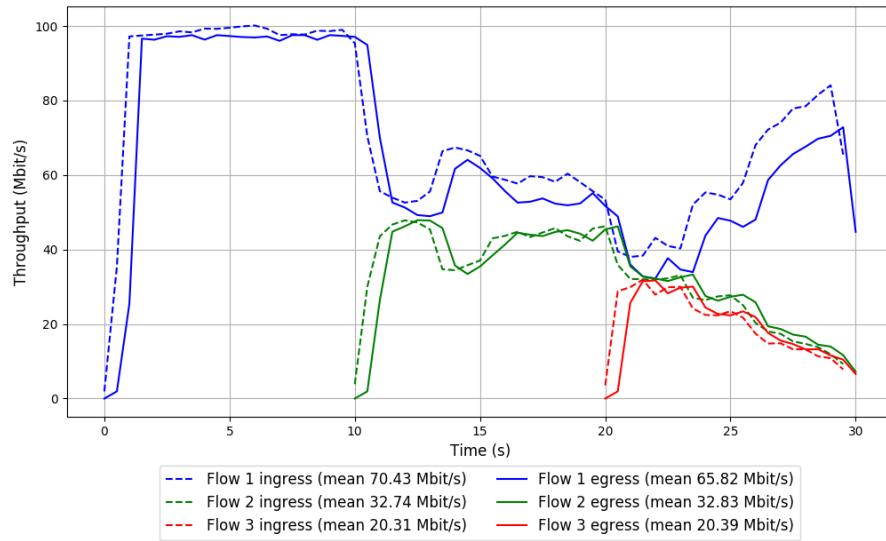


Run 3: Statistics of Indigo

```
Start at: 2018-05-22 16:18:01
End at: 2018-05-22 16:18:31
Local clock offset: -24.723 ms
Remote clock offset: -3.562 ms

# Below is generated by plot.py at 2018-05-22 19:13:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.26 Mbit/s
95th percentile per-packet one-way delay: 72.173 ms
Loss rate: 5.05%
-- Flow 1:
Average throughput: 65.82 Mbit/s
95th percentile per-packet one-way delay: 72.636 ms
Loss rate: 6.92%
-- Flow 2:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 62.094 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 20.39 Mbit/s
95th percentile per-packet one-way delay: 65.565 ms
Loss rate: 0.75%
```

Run 3: Report of Indigo — Data Link

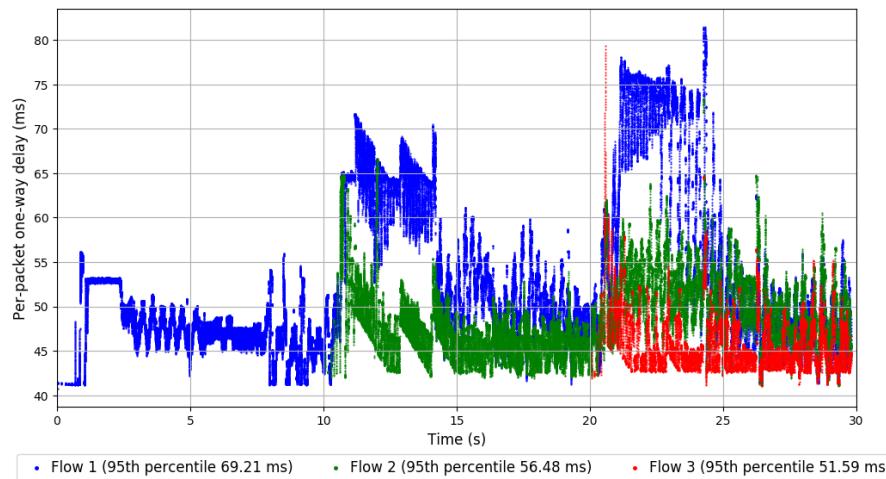
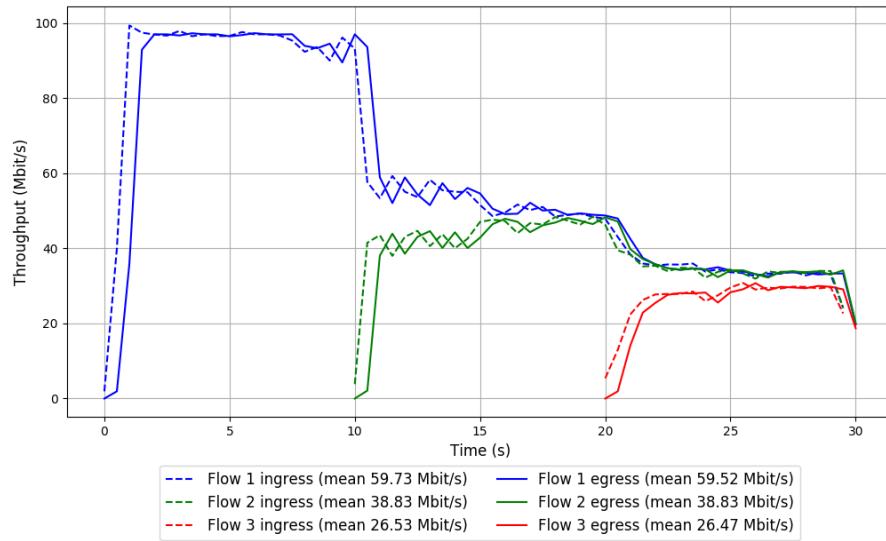


Run 4: Statistics of Indigo

```
Start at: 2018-05-22 16:39:35
End at: 2018-05-22 16:40:05
Local clock offset: -12.74 ms
Remote clock offset: -3.907 ms

# Below is generated by plot.py at 2018-05-22 19:13:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 65.500 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 59.52 Mbit/s
95th percentile per-packet one-way delay: 69.209 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 38.83 Mbit/s
95th percentile per-packet one-way delay: 56.484 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 51.590 ms
Loss rate: 1.28%
```

Run 4: Report of Indigo — Data Link

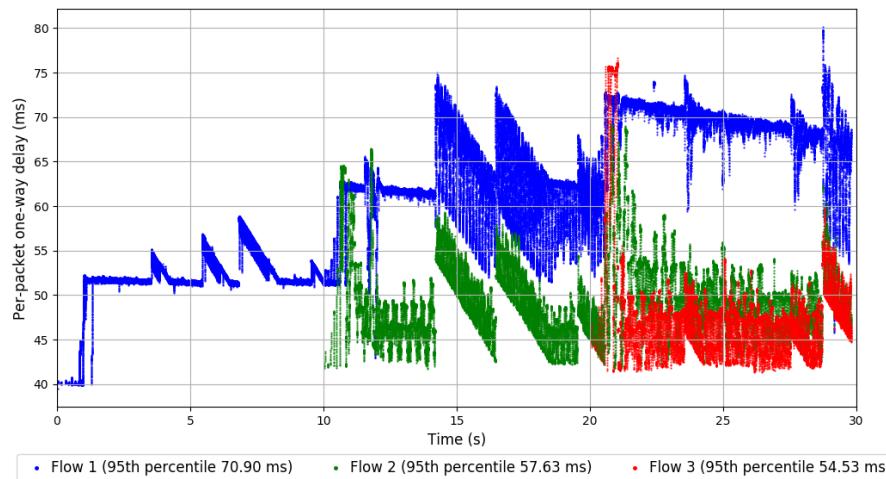
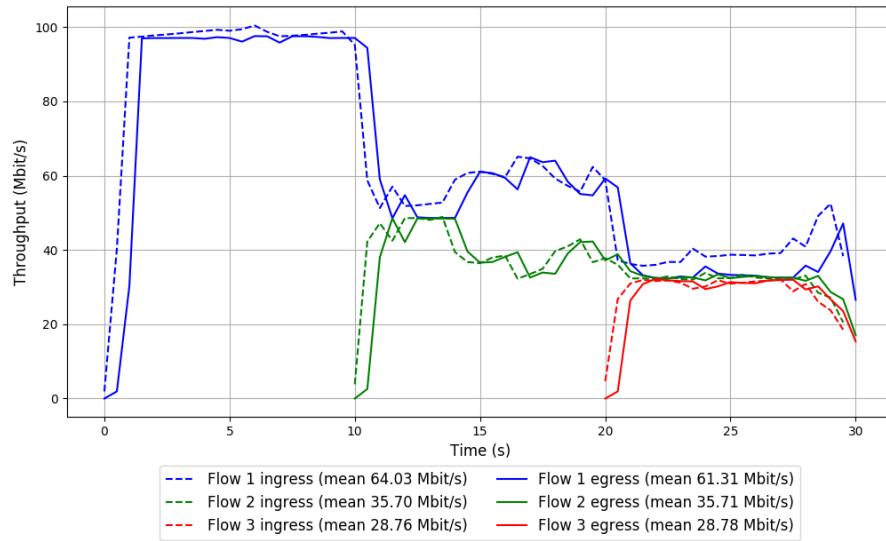


Run 5: Statistics of Indigo

```
Start at: 2018-05-22 17:01:08
End at: 2018-05-22 17:01:38
Local clock offset: -11.801 ms
Remote clock offset: -0.988 ms

# Below is generated by plot.py at 2018-05-22 19:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 70.255 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 61.31 Mbit/s
95th percentile per-packet one-way delay: 70.902 ms
Loss rate: 4.58%
-- Flow 2:
Average throughput: 35.71 Mbit/s
95th percentile per-packet one-way delay: 57.634 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 28.78 Mbit/s
95th percentile per-packet one-way delay: 54.534 ms
Loss rate: 1.03%
```

Run 5: Report of Indigo — Data Link

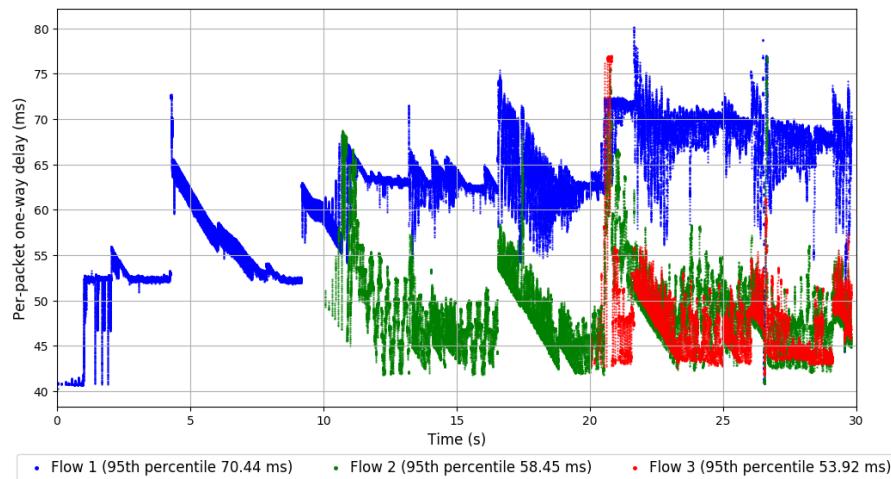
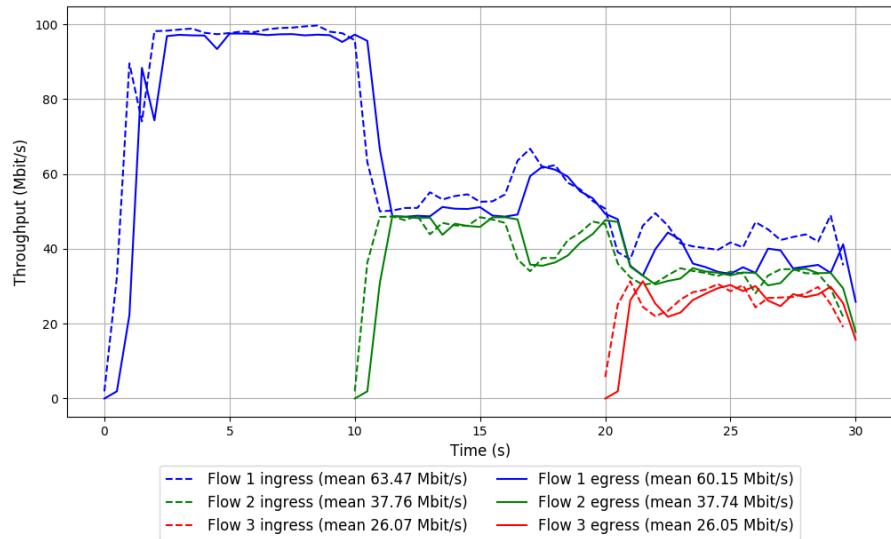


Run 6: Statistics of Indigo

```
Start at: 2018-05-22 17:22:42
End at: 2018-05-22 17:23:12
Local clock offset: -10.515 ms
Remote clock offset: -0.861 ms

# Below is generated by plot.py at 2018-05-22 19:14:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 69.744 ms
Loss rate: 3.92%
-- Flow 1:
Average throughput: 60.15 Mbit/s
95th percentile per-packet one-way delay: 70.442 ms
Loss rate: 5.60%
-- Flow 2:
Average throughput: 37.74 Mbit/s
95th percentile per-packet one-way delay: 58.453 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 26.05 Mbit/s
95th percentile per-packet one-way delay: 53.925 ms
Loss rate: 1.14%
```

Run 6: Report of Indigo — Data Link

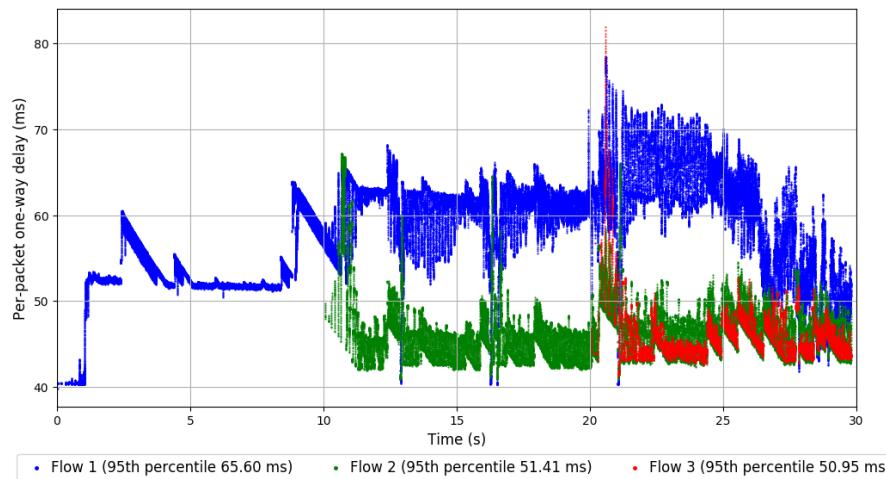
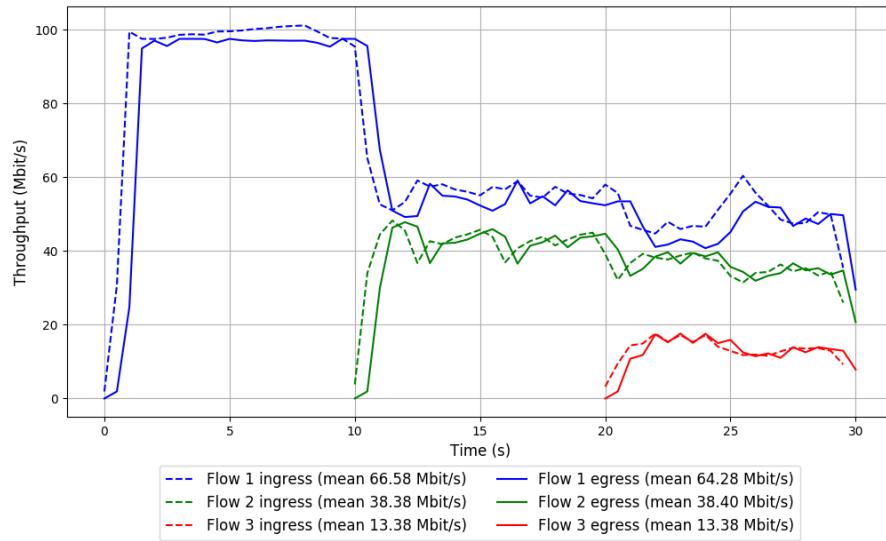


Run 7: Statistics of Indigo

```
Start at: 2018-05-22 17:44:16
End at: 2018-05-22 17:44:46
Local clock offset: -0.69 ms
Remote clock offset: -0.839 ms

# Below is generated by plot.py at 2018-05-22 19:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 64.483 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 64.28 Mbit/s
95th percentile per-packet one-way delay: 65.600 ms
Loss rate: 3.80%
-- Flow 2:
Average throughput: 38.40 Mbit/s
95th percentile per-packet one-way delay: 51.415 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 13.38 Mbit/s
95th percentile per-packet one-way delay: 50.951 ms
Loss rate: 1.09%
```

Run 7: Report of Indigo — Data Link

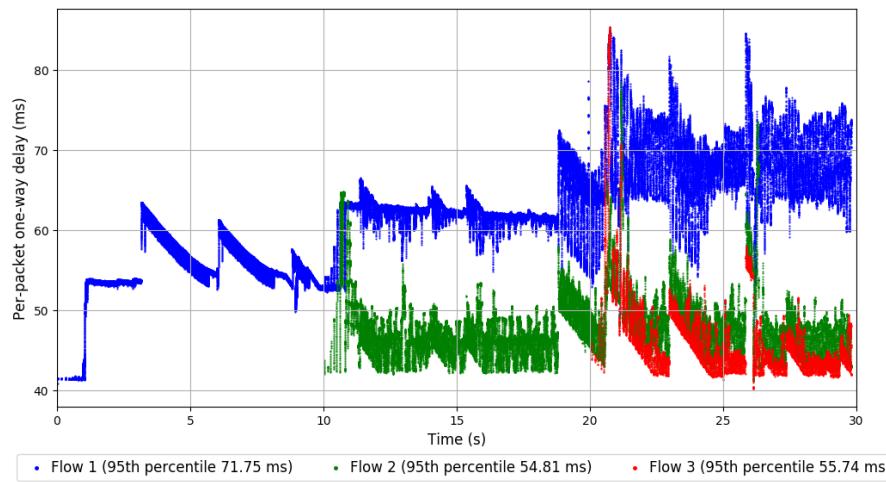
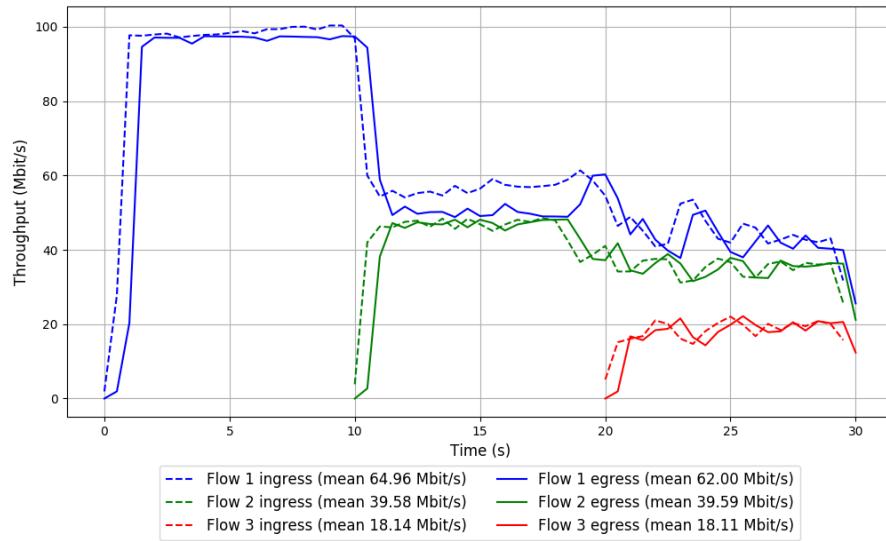


Run 8: Statistics of Indigo

```
Start at: 2018-05-22 18:05:49
End at: 2018-05-22 18:06:19
Local clock offset: -1.824 ms
Remote clock offset: -0.322 ms

# Below is generated by plot.py at 2018-05-22 19:14:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.19 Mbit/s
95th percentile per-packet one-way delay: 70.190 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 71.750 ms
Loss rate: 4.92%
-- Flow 2:
Average throughput: 39.59 Mbit/s
95th percentile per-packet one-way delay: 54.813 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 18.11 Mbit/s
95th percentile per-packet one-way delay: 55.745 ms
Loss rate: 1.31%
```

Run 8: Report of Indigo — Data Link

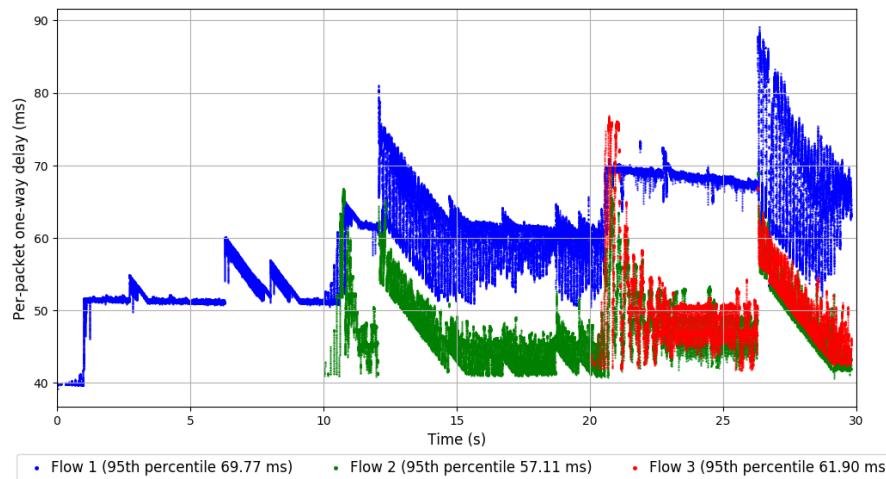
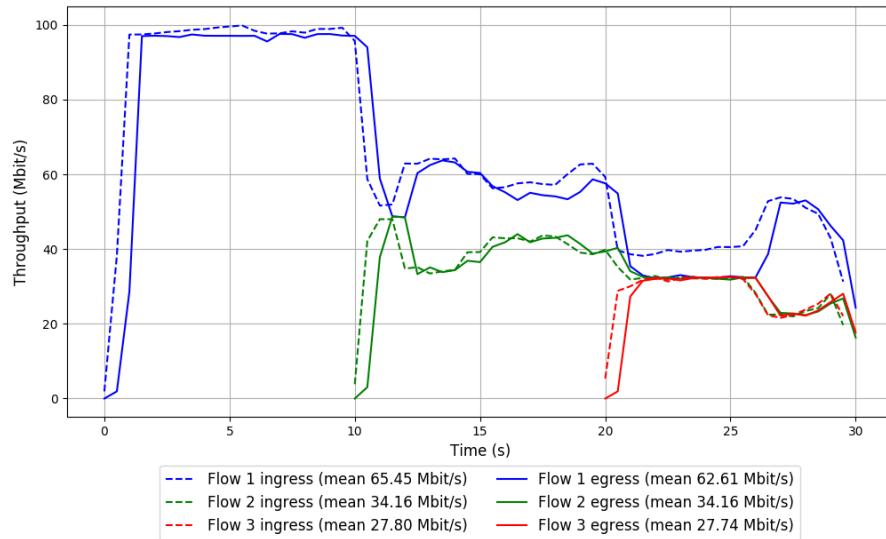


Run 9: Statistics of Indigo

```
Start at: 2018-05-22 18:27:21
End at: 2018-05-22 18:27:51
Local clock offset: -3.836 ms
Remote clock offset: -0.15 ms

# Below is generated by plot.py at 2018-05-22 19:14:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 69.229 ms
Loss rate: 3.42%
-- Flow 1:
Average throughput: 62.61 Mbit/s
95th percentile per-packet one-way delay: 69.769 ms
Loss rate: 4.71%
-- Flow 2:
Average throughput: 34.16 Mbit/s
95th percentile per-packet one-way delay: 57.109 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 27.74 Mbit/s
95th percentile per-packet one-way delay: 61.902 ms
Loss rate: 1.32%
```

Run 9: Report of Indigo — Data Link

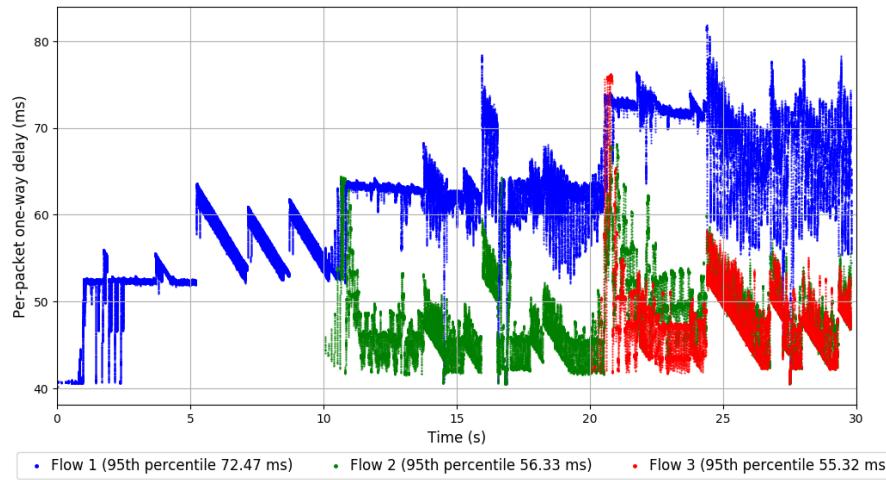
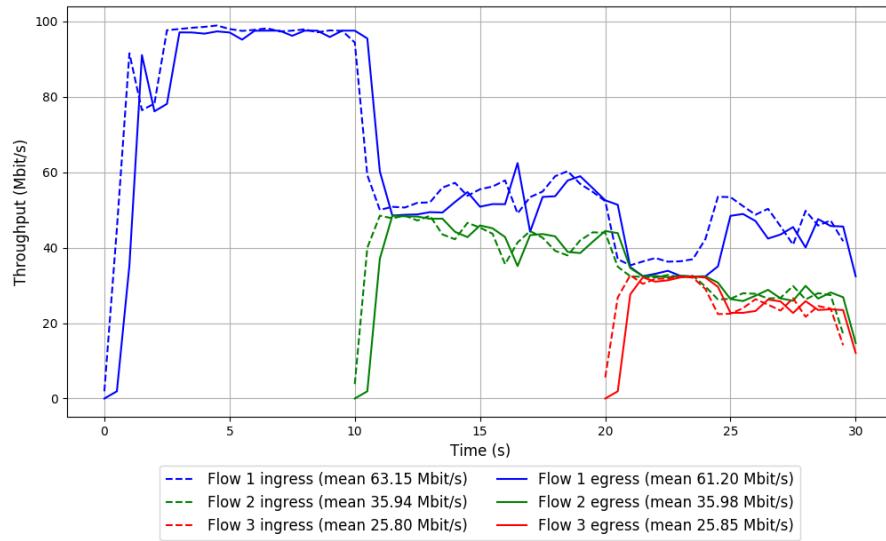


Run 10: Statistics of Indigo

```
Start at: 2018-05-22 18:48:54
End at: 2018-05-22 18:49:24
Local clock offset: 1.029 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-05-22 19:14:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.47 Mbit/s
95th percentile per-packet one-way delay: 71.815 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 61.20 Mbit/s
95th percentile per-packet one-way delay: 72.474 ms
Loss rate: 3.44%
-- Flow 2:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 56.332 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 25.85 Mbit/s
95th percentile per-packet one-way delay: 55.323 ms
Loss rate: 0.93%
```

Run 10: Report of Indigo — Data Link

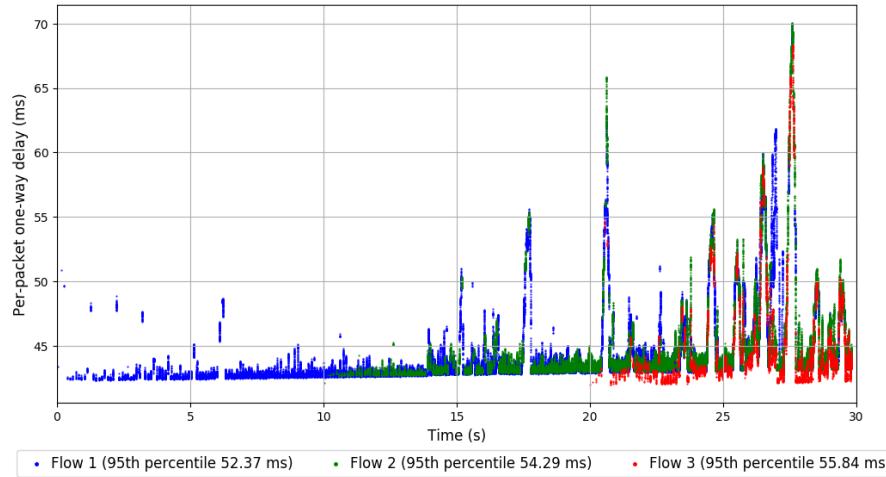
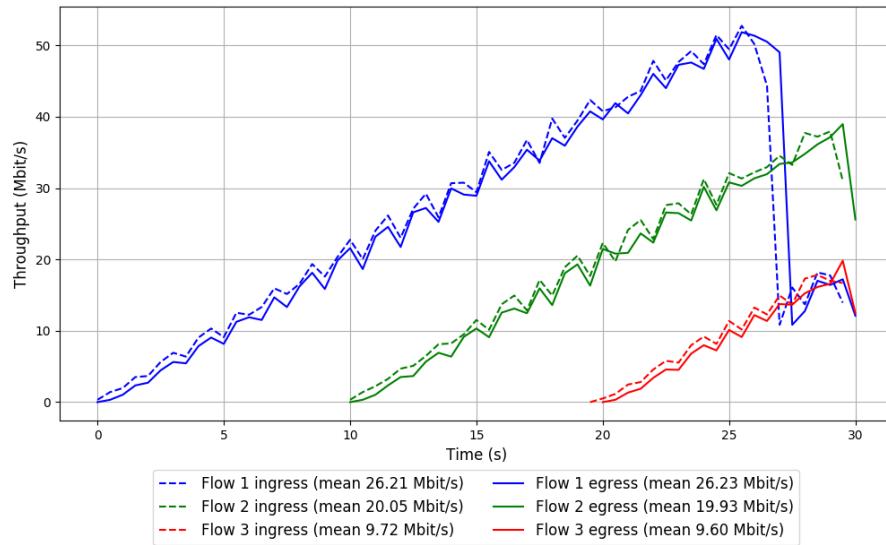


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-22 15:49:45
End at: 2018-05-22 15:50:15
Local clock offset: -45.86 ms
Remote clock offset: 0.169 ms

# Below is generated by plot.py at 2018-05-22 19:14:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 52.877 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 52.365 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 19.93 Mbit/s
95th percentile per-packet one-way delay: 54.287 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 55.841 ms
Loss rate: 2.20%
```

Run 1: Report of LEDBAT — Data Link

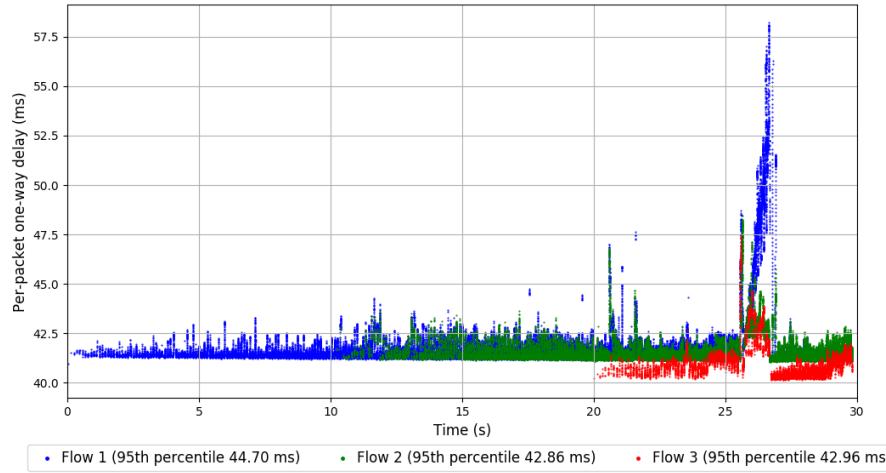
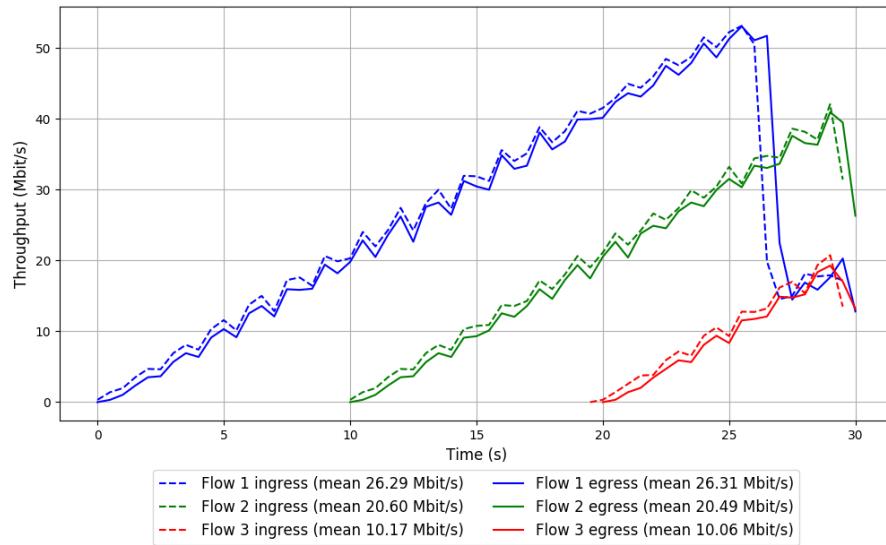


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-22 16:11:18
End at: 2018-05-22 16:11:48
Local clock offset: -23.402 ms
Remote clock offset: -2.254 ms

# Below is generated by plot.py at 2018-05-22 19:14:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 43.237 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 26.31 Mbit/s
95th percentile per-packet one-way delay: 44.698 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 20.49 Mbit/s
95th percentile per-packet one-way delay: 42.857 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 42.956 ms
Loss rate: 2.16%
```

Run 2: Report of LEDBAT — Data Link

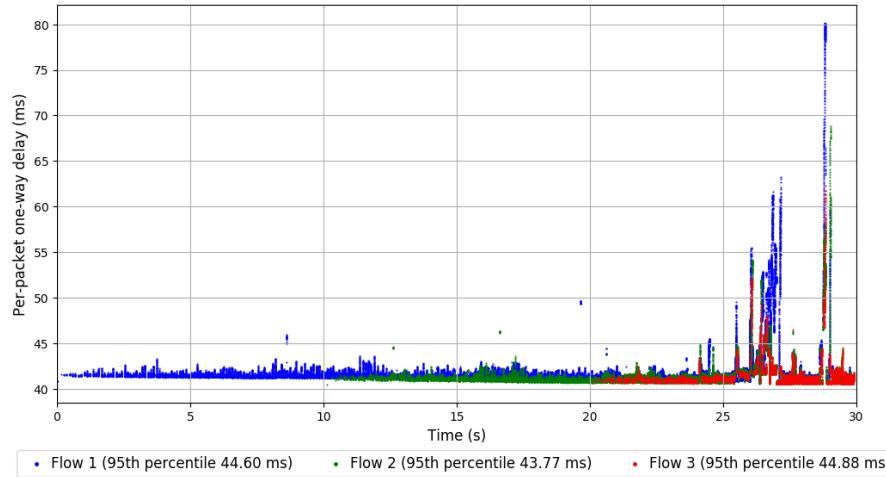
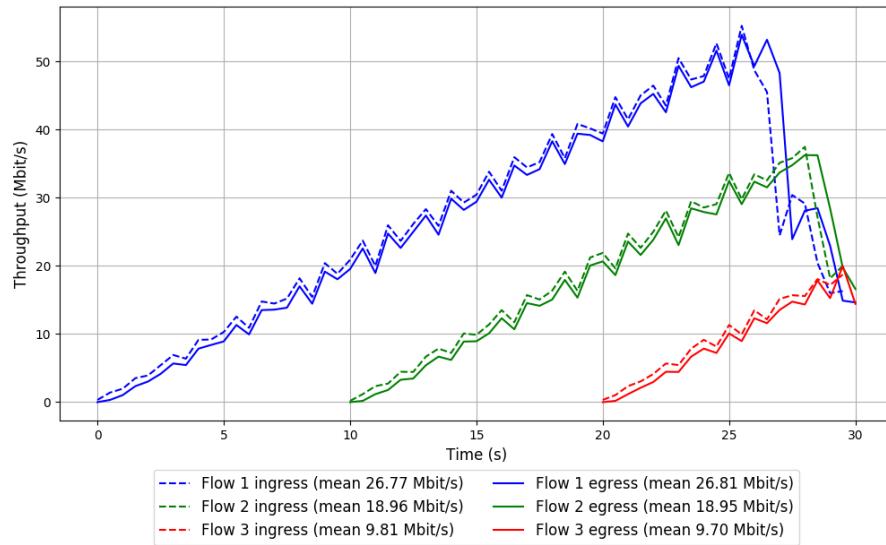


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-22 16:32:51
End at: 2018-05-22 16:33:21
Local clock offset: -17.281 ms
Remote clock offset: -4.248 ms

# Below is generated by plot.py at 2018-05-22 19:14:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.54 Mbit/s
95th percentile per-packet one-way delay: 44.320 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 26.81 Mbit/s
95th percentile per-packet one-way delay: 44.602 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 18.95 Mbit/s
95th percentile per-packet one-way delay: 43.771 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 44.880 ms
Loss rate: 2.21%
```

Run 3: Report of LEDBAT — Data Link

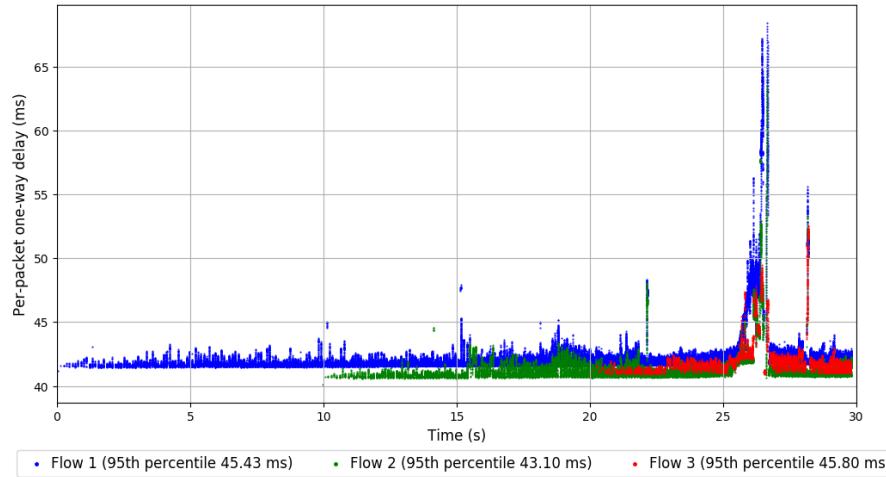
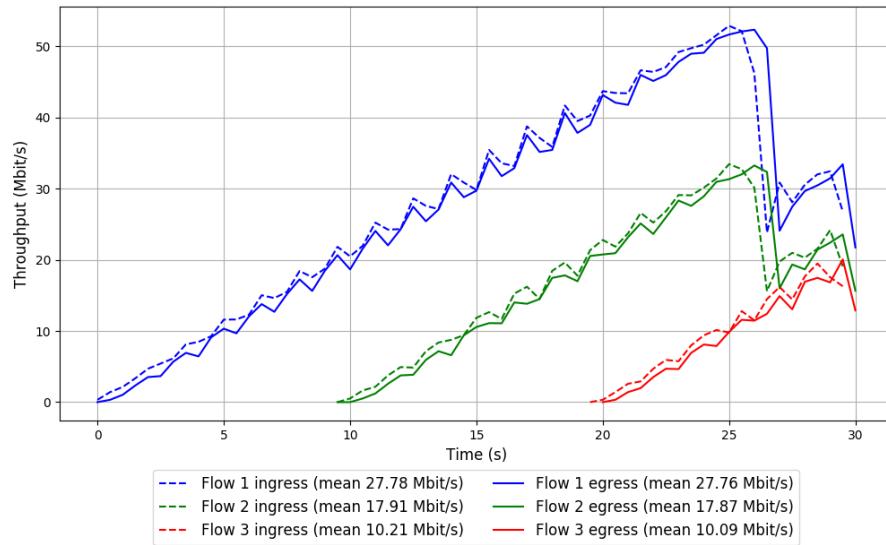


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-22 16:54:26
End at: 2018-05-22 16:54:56
Local clock offset: -15.871 ms
Remote clock offset: -1.357 ms

# Below is generated by plot.py at 2018-05-22 19:14:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.97 Mbit/s
95th percentile per-packet one-way delay: 44.680 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 27.76 Mbit/s
95th percentile per-packet one-way delay: 45.427 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 17.87 Mbit/s
95th percentile per-packet one-way delay: 43.105 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 10.09 Mbit/s
95th percentile per-packet one-way delay: 45.798 ms
Loss rate: 2.18%
```

Run 4: Report of LEDBAT — Data Link

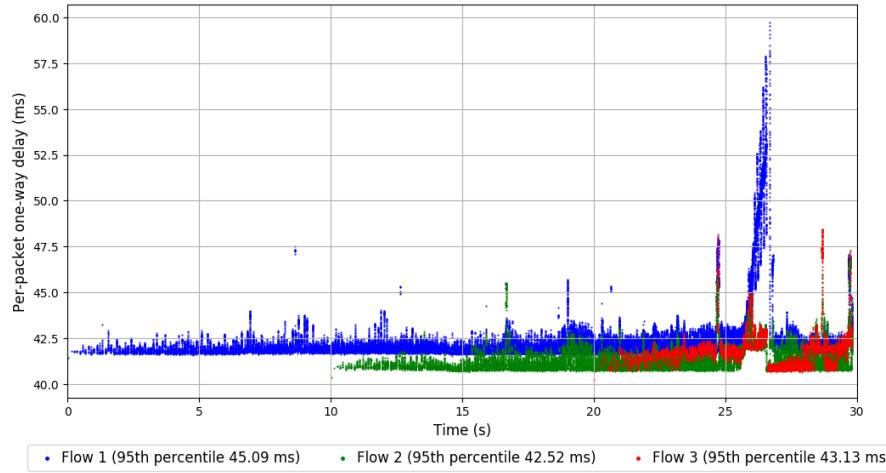
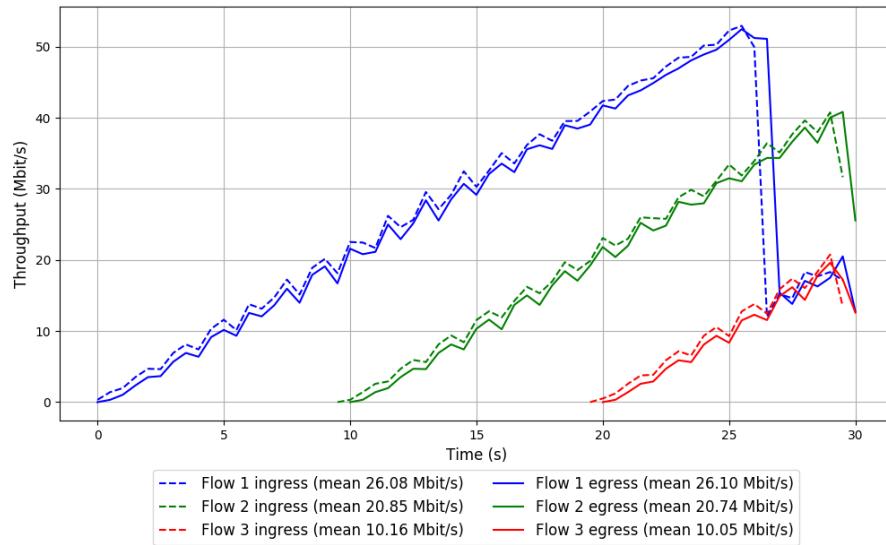


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-22 17:15:59
End at: 2018-05-22 17:16:29
Local clock offset: -8.879 ms
Remote clock offset: -0.679 ms

# Below is generated by plot.py at 2018-05-22 19:14:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.18 Mbit/s
95th percentile per-packet one-way delay: 43.315 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 26.10 Mbit/s
95th percentile per-packet one-way delay: 45.092 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 20.74 Mbit/s
95th percentile per-packet one-way delay: 42.523 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 10.05 Mbit/s
95th percentile per-packet one-way delay: 43.130 ms
Loss rate: 2.19%
```

Run 5: Report of LEDBAT — Data Link

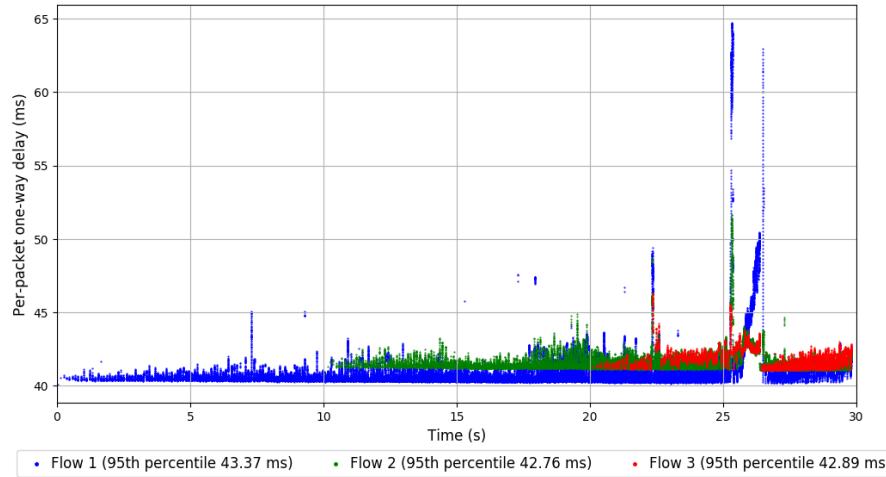
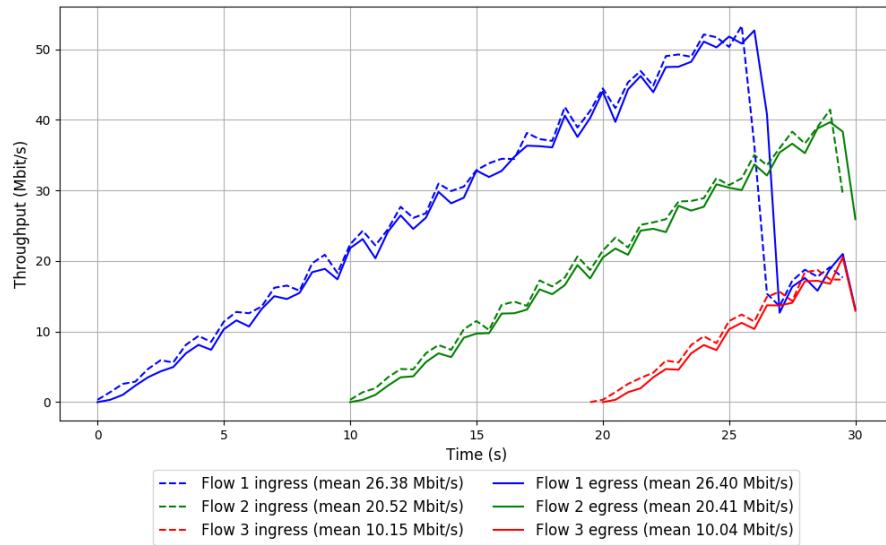


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-22 17:37:33
End at: 2018-05-22 17:38:03
Local clock offset: -1.962 ms
Remote clock offset: -0.868 ms

# Below is generated by plot.py at 2018-05-22 19:14:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.25 Mbit/s
95th percentile per-packet one-way delay: 42.910 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 26.40 Mbit/s
95th percentile per-packet one-way delay: 43.370 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 20.41 Mbit/s
95th percentile per-packet one-way delay: 42.759 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 10.04 Mbit/s
95th percentile per-packet one-way delay: 42.886 ms
Loss rate: 2.19%
```

Run 6: Report of LEDBAT — Data Link

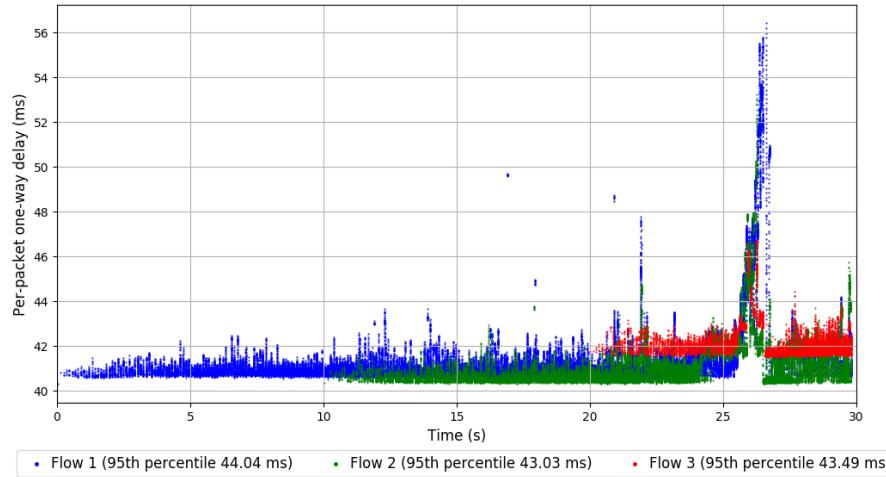
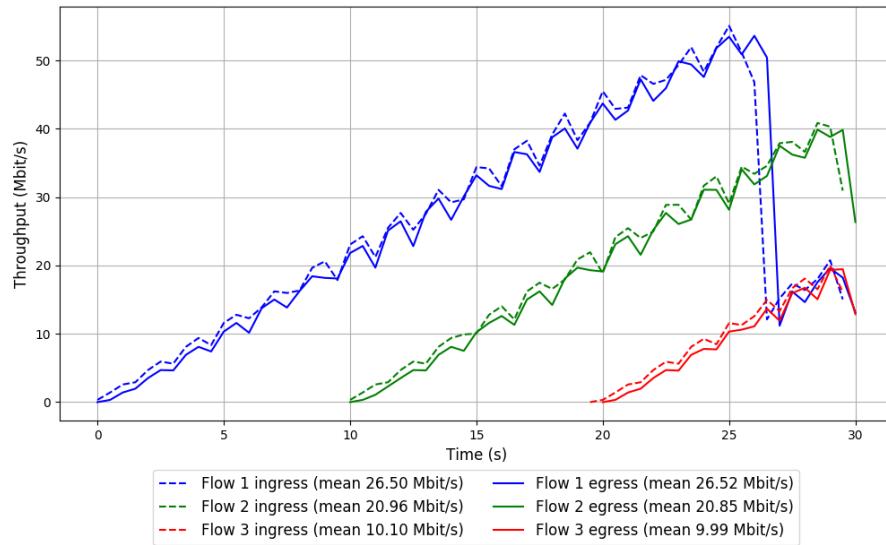


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-22 17:59:06
End at: 2018-05-22 17:59:36
Local clock offset: -0.981 ms
Remote clock offset: -0.425 ms

# Below is generated by plot.py at 2018-05-22 19:14:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.65 Mbit/s
95th percentile per-packet one-way delay: 43.432 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 26.52 Mbit/s
95th percentile per-packet one-way delay: 44.036 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 20.85 Mbit/s
95th percentile per-packet one-way delay: 43.027 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 9.99 Mbit/s
95th percentile per-packet one-way delay: 43.494 ms
Loss rate: 2.19%
```

Run 7: Report of LEDBAT — Data Link

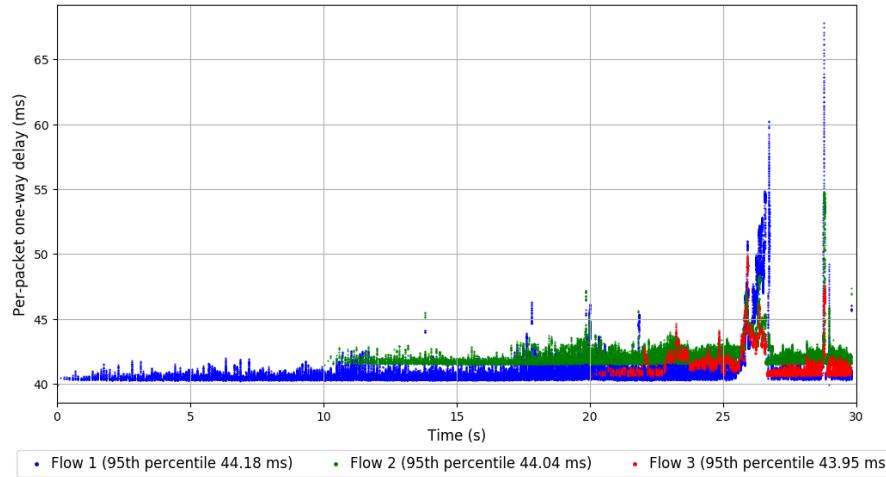
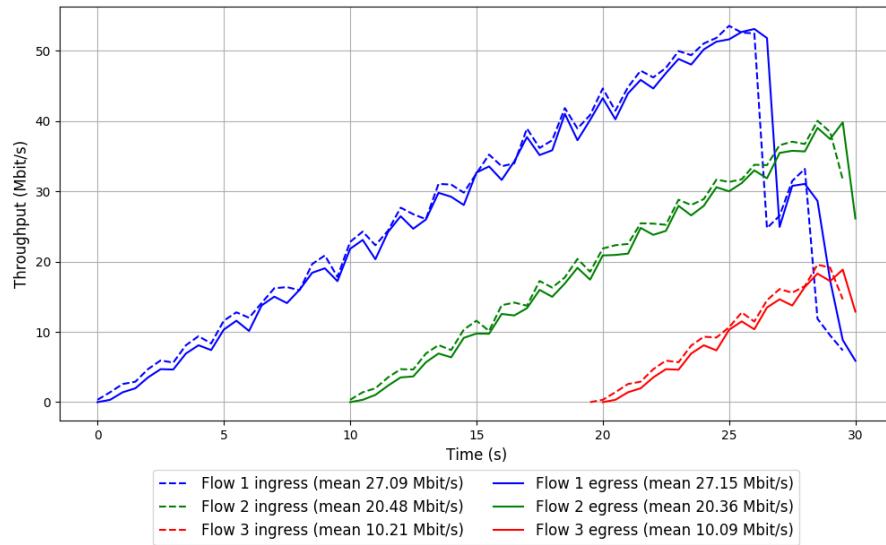


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-22 18:20:38
End at: 2018-05-22 18:21:08
Local clock offset: -3.461 ms
Remote clock offset: -0.274 ms

# Below is generated by plot.py at 2018-05-22 19:15:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.97 Mbit/s
95th percentile per-packet one-way delay: 44.061 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 27.15 Mbit/s
95th percentile per-packet one-way delay: 44.179 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 44.040 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 10.09 Mbit/s
95th percentile per-packet one-way delay: 43.949 ms
Loss rate: 2.18%
```

Run 8: Report of LEDBAT — Data Link

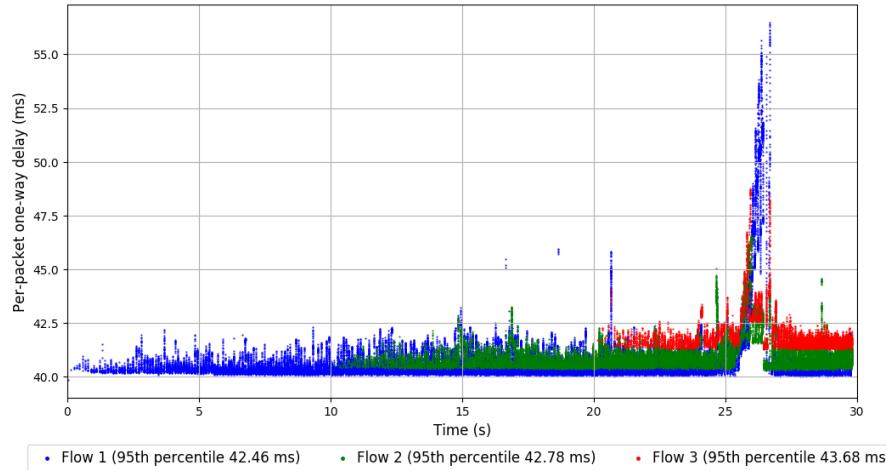
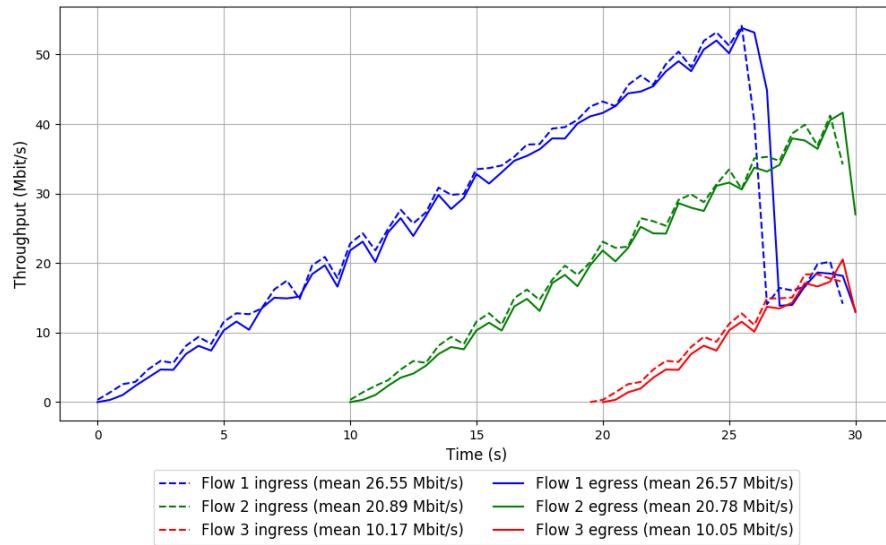


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-22 18:42:11
End at: 2018-05-22 18:42:41
Local clock offset: 0.704 ms
Remote clock offset: 0.097 ms

# Below is generated by plot.py at 2018-05-22 19:15:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.62 Mbit/s
95th percentile per-packet one-way delay: 42.855 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 26.57 Mbit/s
95th percentile per-packet one-way delay: 42.457 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 20.78 Mbit/s
95th percentile per-packet one-way delay: 42.776 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 10.05 Mbit/s
95th percentile per-packet one-way delay: 43.684 ms
Loss rate: 2.19%
```

Run 9: Report of LEDBAT — Data Link

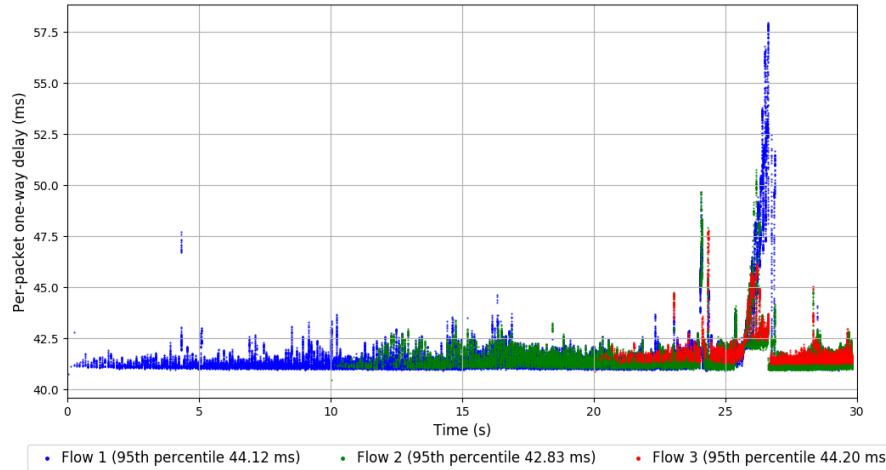
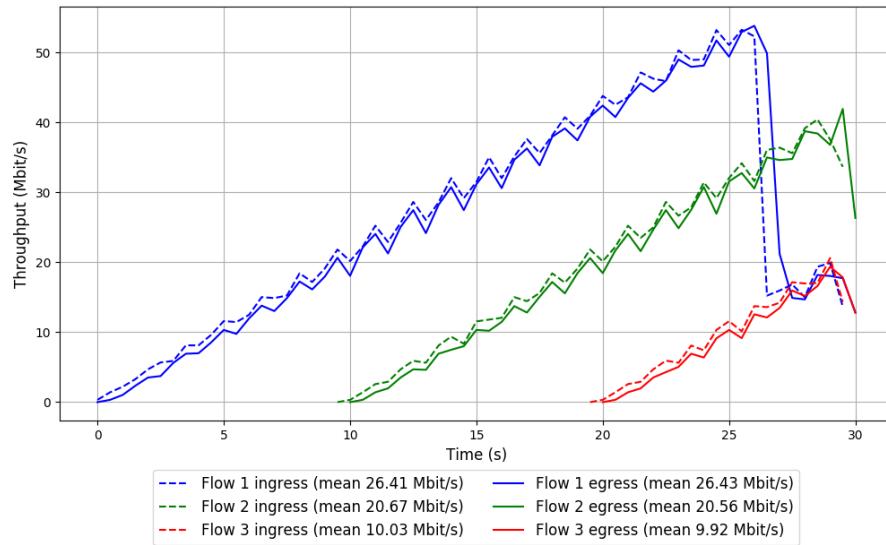


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-22 19:03:56
End at: 2018-05-22 19:04:26
Local clock offset: 2.847 ms
Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2018-05-22 19:15:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.30 Mbit/s
95th percentile per-packet one-way delay: 43.390 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 26.43 Mbit/s
95th percentile per-packet one-way delay: 44.119 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 20.56 Mbit/s
95th percentile per-packet one-way delay: 42.830 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 9.92 Mbit/s
95th percentile per-packet one-way delay: 44.205 ms
Loss rate: 2.17%
```

Run 10: Report of LEDBAT — Data Link

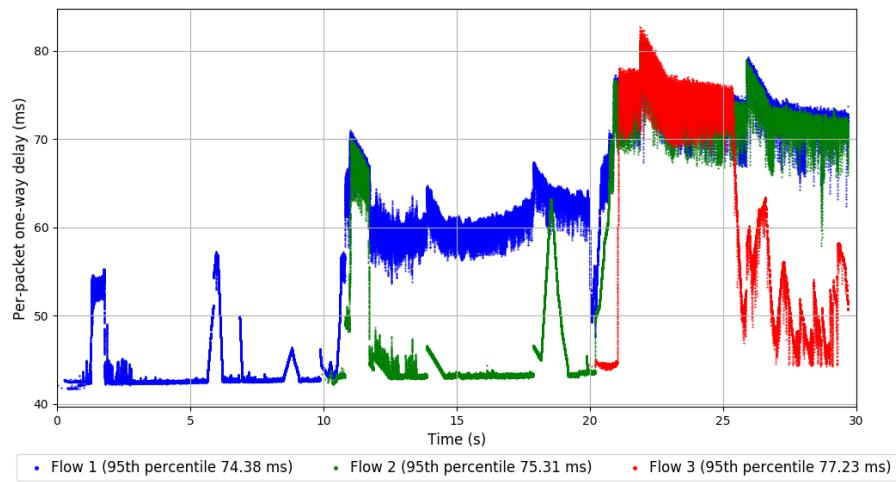
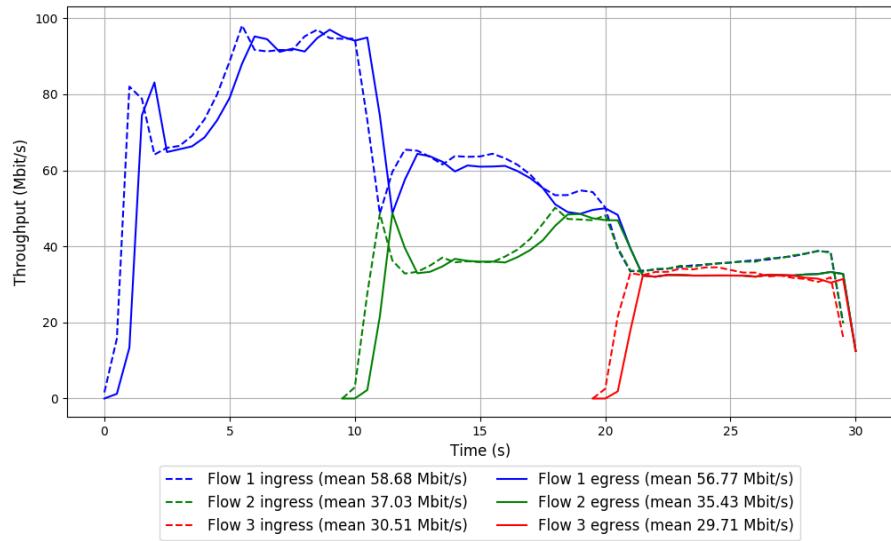


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-05-22 15:51:06
End at: 2018-05-22 15:51:36
Local clock offset: -48.192 ms
Remote clock offset: 0.294 ms

# Below is generated by plot.py at 2018-05-22 19:15:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.10 Mbit/s
95th percentile per-packet one-way delay: 75.344 ms
Loss rate: 3.96%
-- Flow 1:
Average throughput: 56.77 Mbit/s
95th percentile per-packet one-way delay: 74.376 ms
Loss rate: 3.62%
-- Flow 2:
Average throughput: 35.43 Mbit/s
95th percentile per-packet one-way delay: 75.310 ms
Loss rate: 4.88%
-- Flow 3:
Average throughput: 29.71 Mbit/s
95th percentile per-packet one-way delay: 77.228 ms
Loss rate: 3.65%
```

Run 1: Report of PCC-Allegro — Data Link

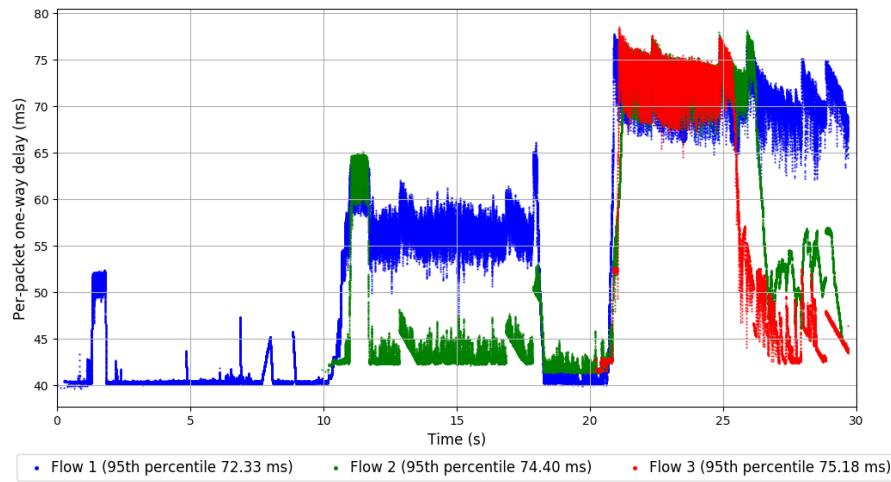
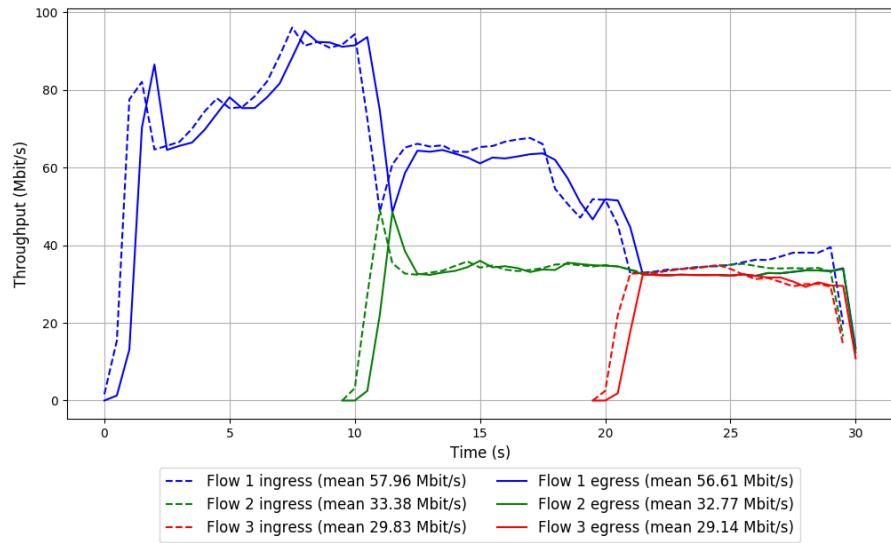


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-22 16:12:39
End at: 2018-05-22 16:13:09
Local clock offset: -23.138 ms
Remote clock offset: -2.582 ms

# Below is generated by plot.py at 2018-05-22 19:15:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 73.729 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 56.61 Mbit/s
95th percentile per-packet one-way delay: 72.328 ms
Loss rate: 2.67%
-- Flow 2:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 74.396 ms
Loss rate: 2.33%
-- Flow 3:
Average throughput: 29.14 Mbit/s
95th percentile per-packet one-way delay: 75.176 ms
Loss rate: 3.35%
```

Run 2: Report of PCC-Allegro — Data Link

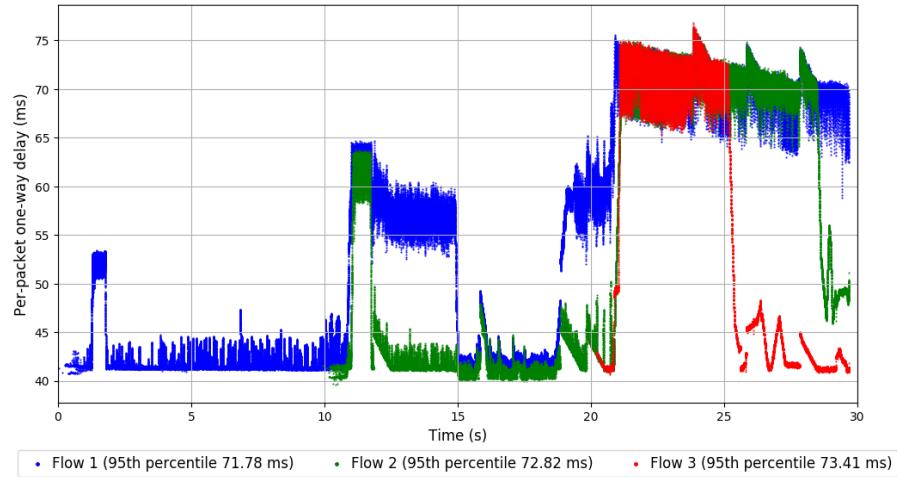
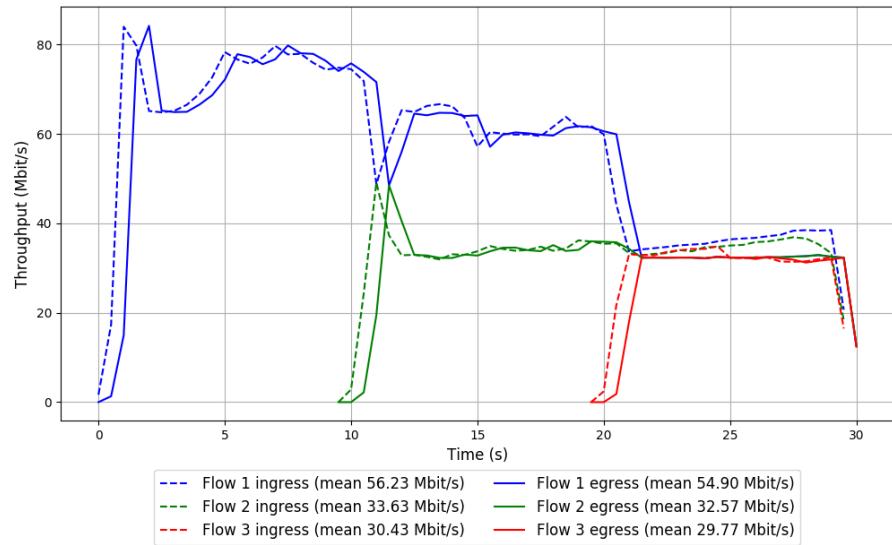


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-22 16:34:12
End at: 2018-05-22 16:34:42
Local clock offset: -15.677 ms
Remote clock offset: -4.402 ms

# Below is generated by plot.py at 2018-05-22 19:15:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.35 Mbit/s
95th percentile per-packet one-way delay: 72.483 ms
Loss rate: 3.05%
-- Flow 1:
Average throughput: 54.90 Mbit/s
95th percentile per-packet one-way delay: 71.783 ms
Loss rate: 2.75%
-- Flow 2:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 72.820 ms
Loss rate: 3.70%
-- Flow 3:
Average throughput: 29.77 Mbit/s
95th percentile per-packet one-way delay: 73.405 ms
Loss rate: 3.27%
```

Run 3: Report of PCC-Allegro — Data Link

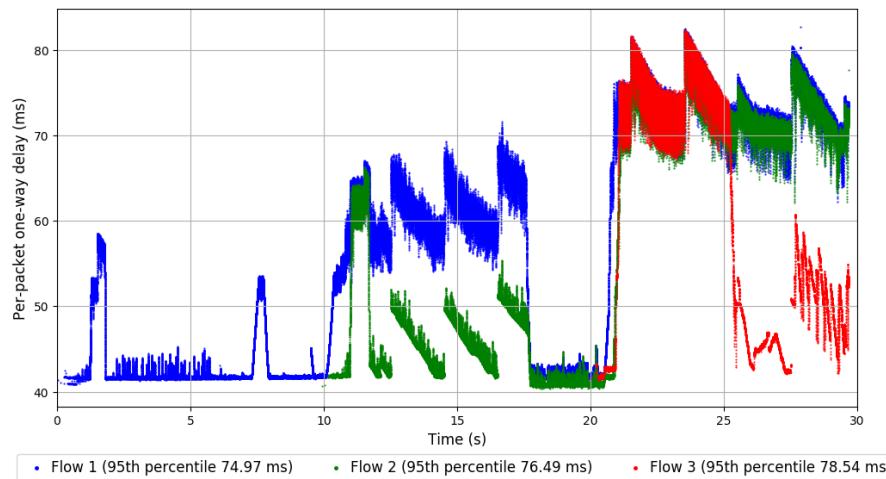
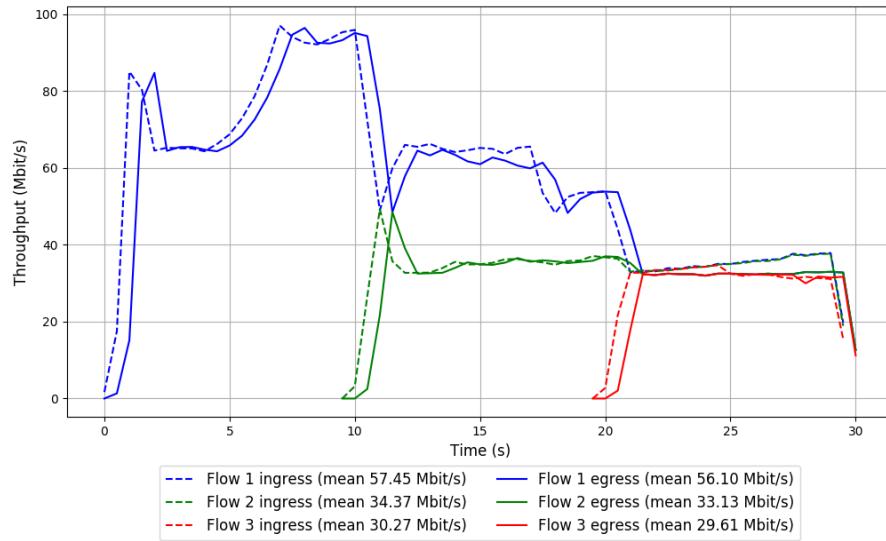


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-22 16:55:46
End at: 2018-05-22 16:56:16
Local clock offset: -16.363 ms
Remote clock offset: -1.252 ms

# Below is generated by plot.py at 2018-05-22 19:15:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.87 Mbit/s
95th percentile per-packet one-way delay: 76.096 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 56.10 Mbit/s
95th percentile per-packet one-way delay: 74.965 ms
Loss rate: 2.73%
-- Flow 2:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 76.490 ms
Loss rate: 4.12%
-- Flow 3:
Average throughput: 29.61 Mbit/s
95th percentile per-packet one-way delay: 78.536 ms
Loss rate: 3.25%
```

Run 4: Report of PCC-Allegro — Data Link

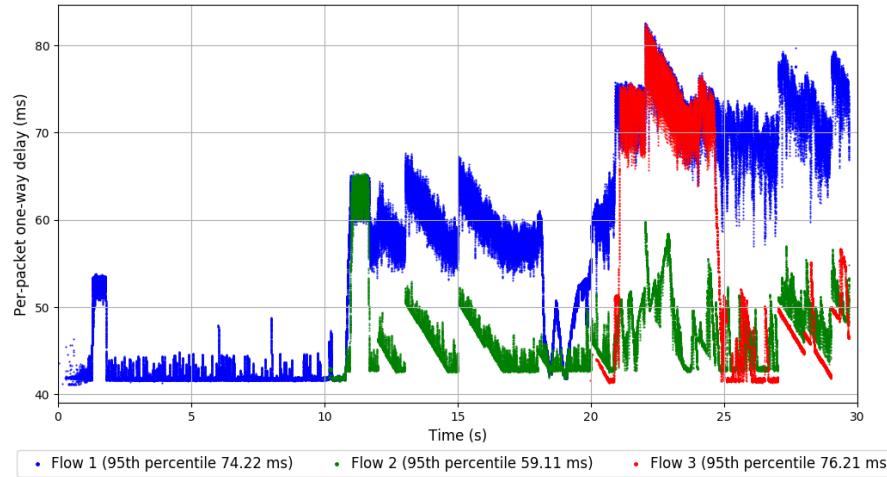
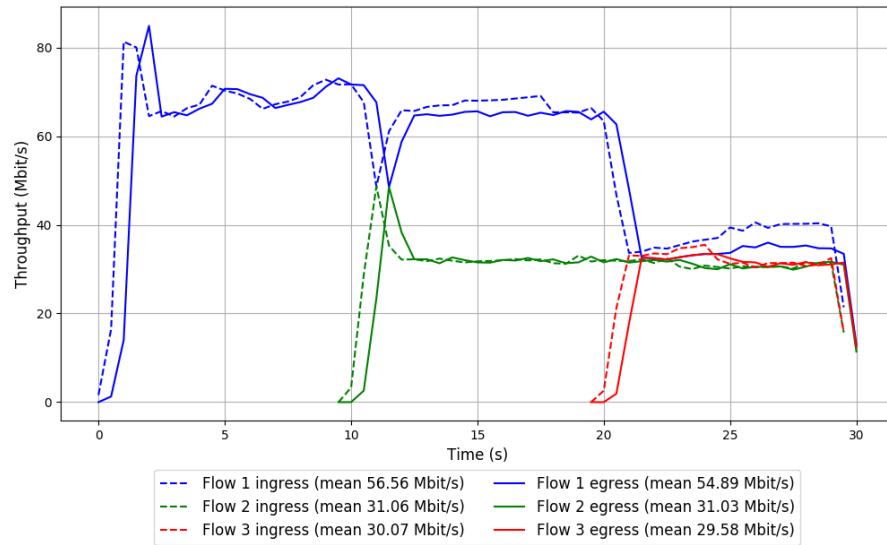


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-22 17:17:20
End at: 2018-05-22 17:17:50
Local clock offset: -9.11 ms
Remote clock offset: -0.787 ms

# Below is generated by plot.py at 2018-05-22 19:15:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.26 Mbit/s
95th percentile per-packet one-way delay: 73.916 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 54.89 Mbit/s
95th percentile per-packet one-way delay: 74.221 ms
Loss rate: 3.33%
-- Flow 2:
Average throughput: 31.03 Mbit/s
95th percentile per-packet one-way delay: 59.111 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 29.58 Mbit/s
95th percentile per-packet one-way delay: 76.209 ms
Loss rate: 2.72%
```

Run 5: Report of PCC-Allegro — Data Link

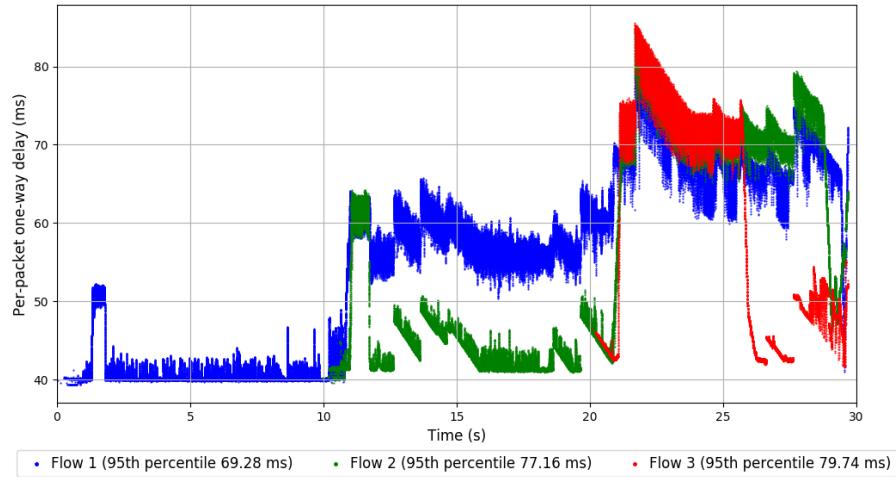
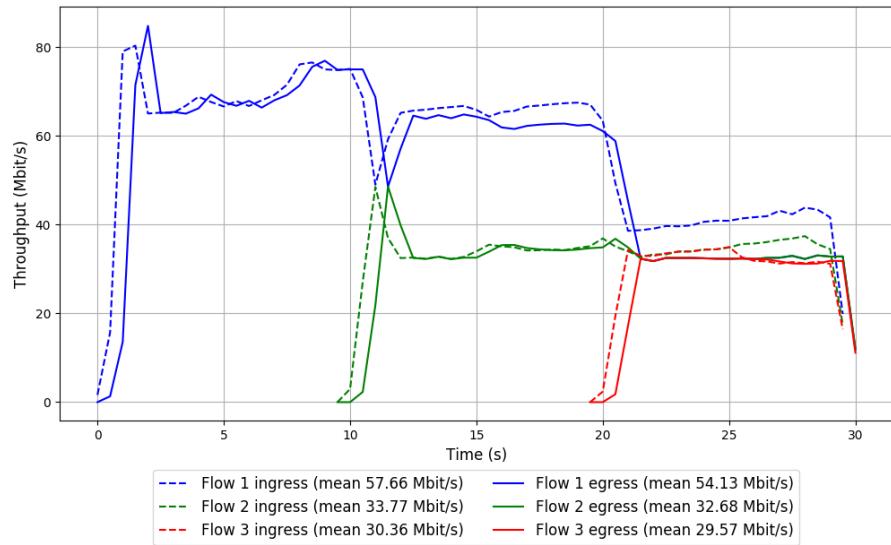


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-22 17:38:53
End at: 2018-05-22 17:39:23
Local clock offset: -1.665 ms
Remote clock offset: -0.925 ms

# Below is generated by plot.py at 2018-05-22 19:16:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.58 Mbit/s
95th percentile per-packet one-way delay: 74.614 ms
Loss rate: 5.46%
-- Flow 1:
Average throughput: 54.13 Mbit/s
95th percentile per-packet one-way delay: 69.277 ms
Loss rate: 6.44%
-- Flow 2:
Average throughput: 32.68 Mbit/s
95th percentile per-packet one-way delay: 77.156 ms
Loss rate: 3.75%
-- Flow 3:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 79.744 ms
Loss rate: 3.70%
```

Run 6: Report of PCC-Allegro — Data Link

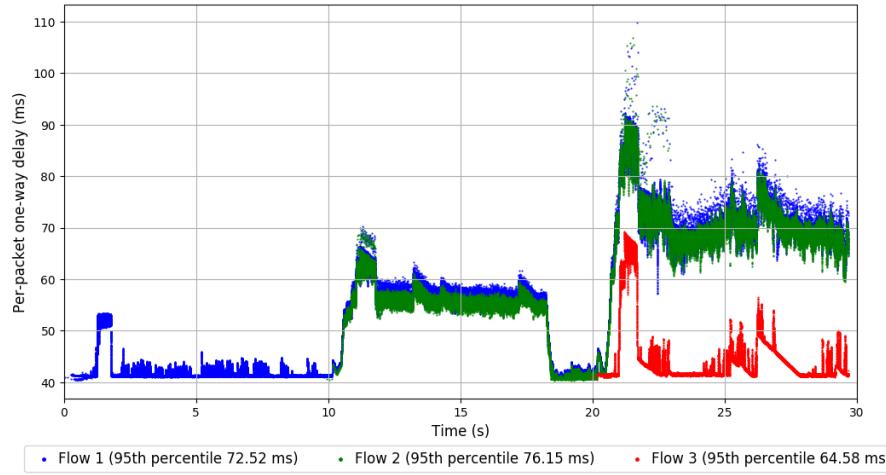
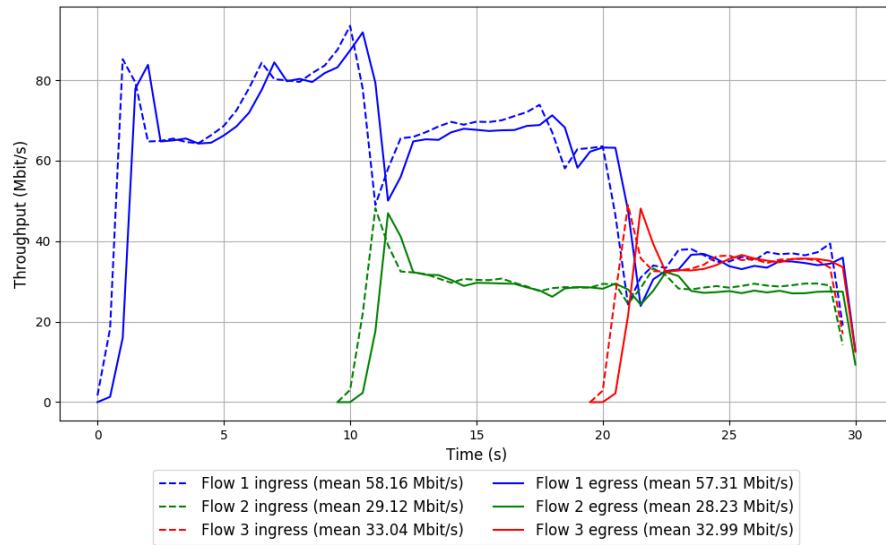


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-22 18:00:27
End at: 2018-05-22 18:00:57
Local clock offset: -1.134 ms
Remote clock offset: -0.366 ms

# Below is generated by plot.py at 2018-05-22 19:16:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.94 Mbit/s
95th percentile per-packet one-way delay: 73.137 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 57.31 Mbit/s
95th percentile per-packet one-way delay: 72.515 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 76.153 ms
Loss rate: 3.57%
-- Flow 3:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 64.583 ms
Loss rate: 1.21%
```

Run 7: Report of PCC-Allegro — Data Link

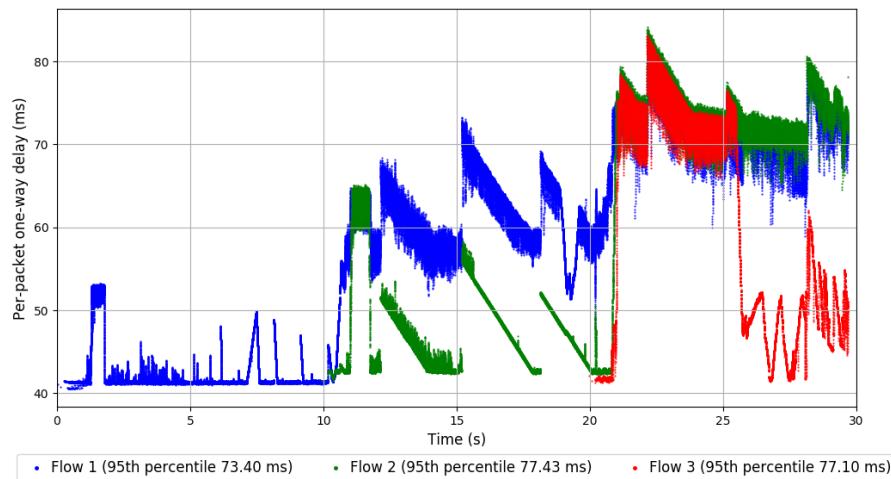
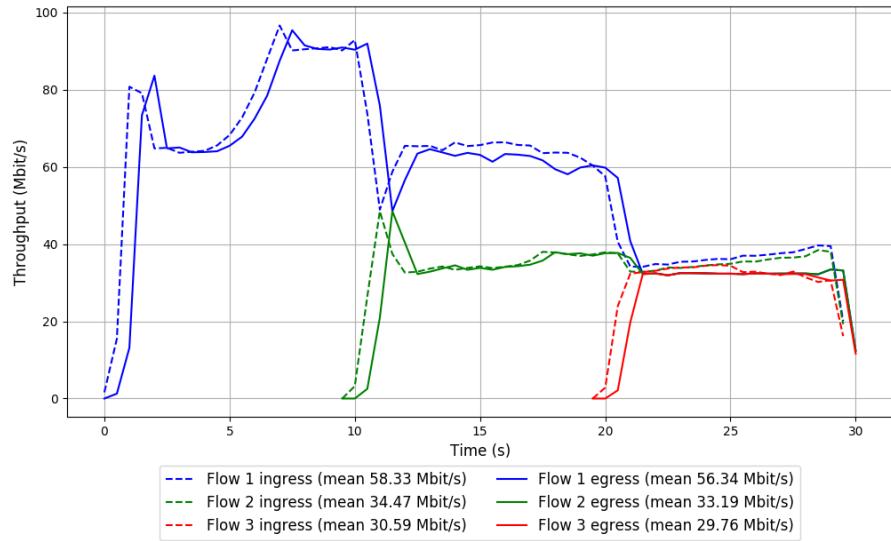


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-22 18:21:59
End at: 2018-05-22 18:22:29
Local clock offset: -3.654 ms
Remote clock offset: -0.279 ms

# Below is generated by plot.py at 2018-05-22 19:16:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.20 Mbit/s
95th percentile per-packet one-way delay: 75.535 ms
Loss rate: 3.90%
-- Flow 1:
Average throughput: 56.34 Mbit/s
95th percentile per-packet one-way delay: 73.403 ms
Loss rate: 3.78%
-- Flow 2:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 77.428 ms
Loss rate: 4.26%
-- Flow 3:
Average throughput: 29.76 Mbit/s
95th percentile per-packet one-way delay: 77.097 ms
Loss rate: 3.75%
```

Run 8: Report of PCC-Allegro — Data Link

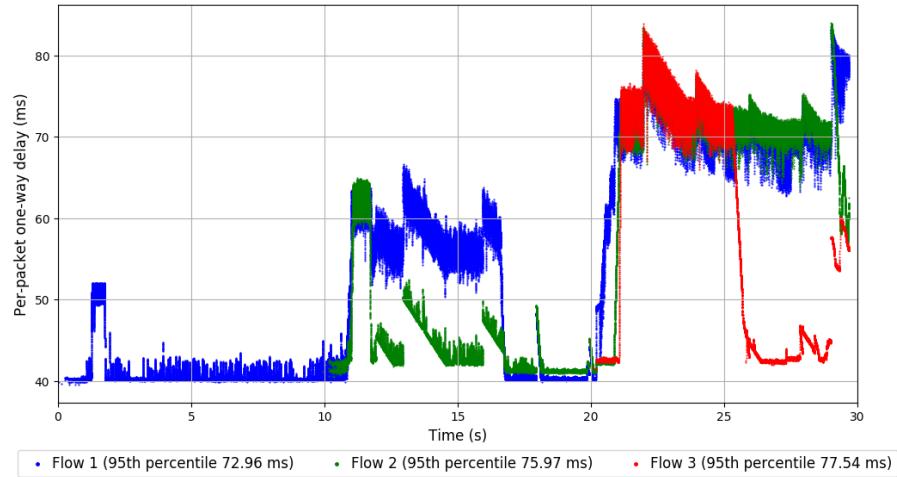
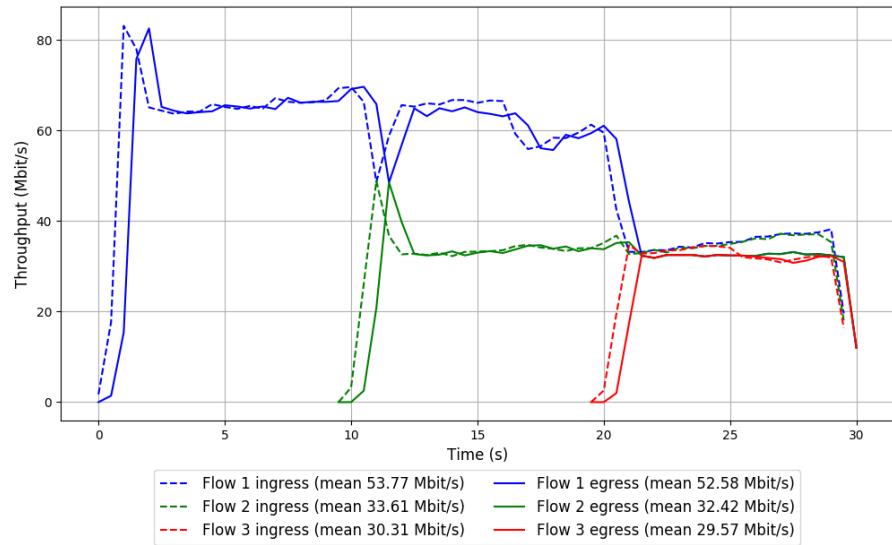


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-22 18:43:32
End at: 2018-05-22 18:44:02
Local clock offset: 0.804 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-05-22 19:17:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.88 Mbit/s
95th percentile per-packet one-way delay: 75.102 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 52.58 Mbit/s
95th percentile per-packet one-way delay: 72.961 ms
Loss rate: 2.62%
-- Flow 2:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 75.967 ms
Loss rate: 4.08%
-- Flow 3:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 77.544 ms
Loss rate: 3.61%
```

Run 9: Report of PCC-Allegro — Data Link

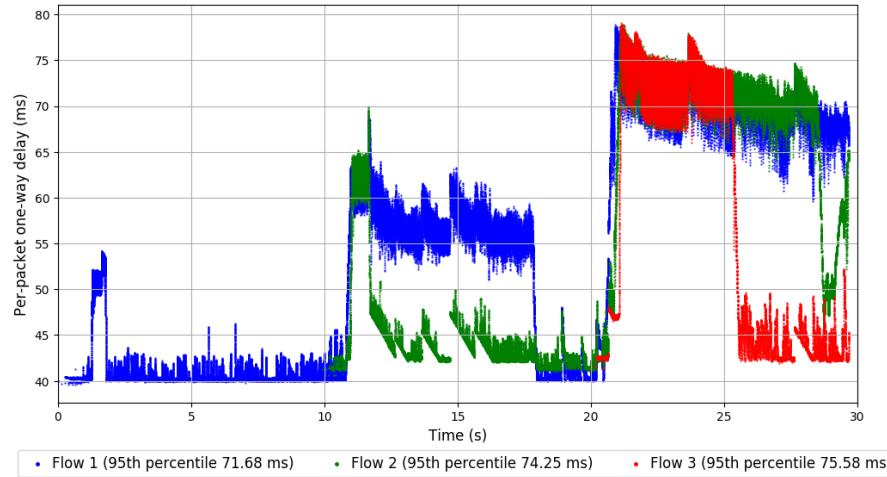
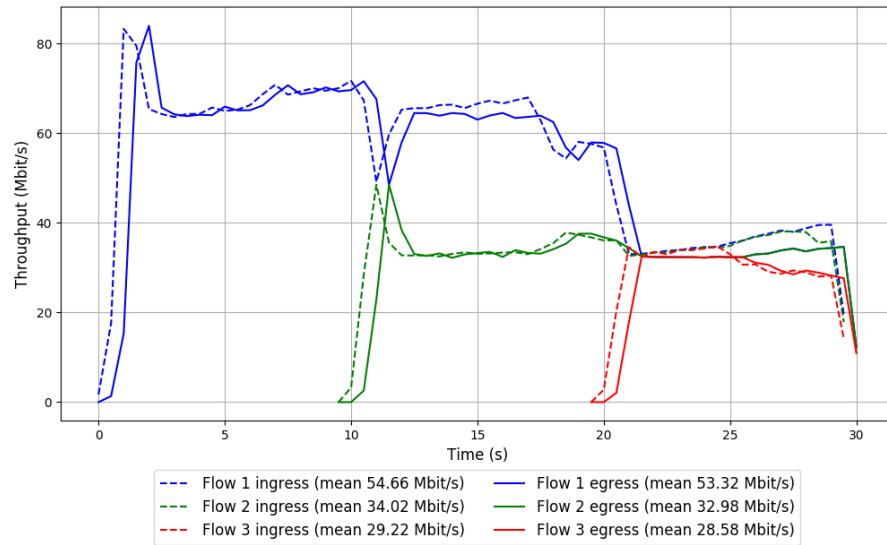


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-22 19:05:16
End at: 2018-05-22 19:05:46
Local clock offset: 3.06 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-05-22 19:17:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.66 Mbit/s
95th percentile per-packet one-way delay: 73.563 ms
Loss rate: 3.05%
-- Flow 1:
Average throughput: 53.32 Mbit/s
95th percentile per-packet one-way delay: 71.683 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 32.98 Mbit/s
95th percentile per-packet one-way delay: 74.253 ms
Loss rate: 3.57%
-- Flow 3:
Average throughput: 28.58 Mbit/s
95th percentile per-packet one-way delay: 75.584 ms
Loss rate: 3.23%
```

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-05-22 15:43:06
End at: 2018-05-22 15:43:36
Local clock offset: -34.148 ms
Remote clock offset: 0.439 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 16:04:39
End at: 2018-05-22 16:05:09
Local clock offset: -29.142 ms
Remote clock offset: -0.152 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 16:26:12
End at: 2018-05-22 16:26:42
Local clock offset: -30.323 ms
Remote clock offset: -4.391 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 16:47:46
End at: 2018-05-22 16:48:16
Local clock offset: -13.375 ms
Remote clock offset: -2.228 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 17:09:20
End at: 2018-05-22 17:09:50
Local clock offset: -8.594 ms
Remote clock offset: -0.721 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 17:30:53

End at: 2018-05-22 17:31:23

Local clock offset: -6.264 ms

Remote clock offset: -0.848 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 17:52:27
End at: 2018-05-22 17:52:57
Local clock offset: -0.61 ms
Remote clock offset: -0.511 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 18:13:59

End at: 2018-05-22 18:14:29

Local clock offset: -2.767 ms

Remote clock offset: -0.316 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 18:35:32

End at: 2018-05-22 18:36:02

Local clock offset: -0.269 ms

Remote clock offset: 0.059 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 18:57:16

End at: 2018-05-22 18:57:46

Local clock offset: 1.228 ms

Remote clock offset: 0.066 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

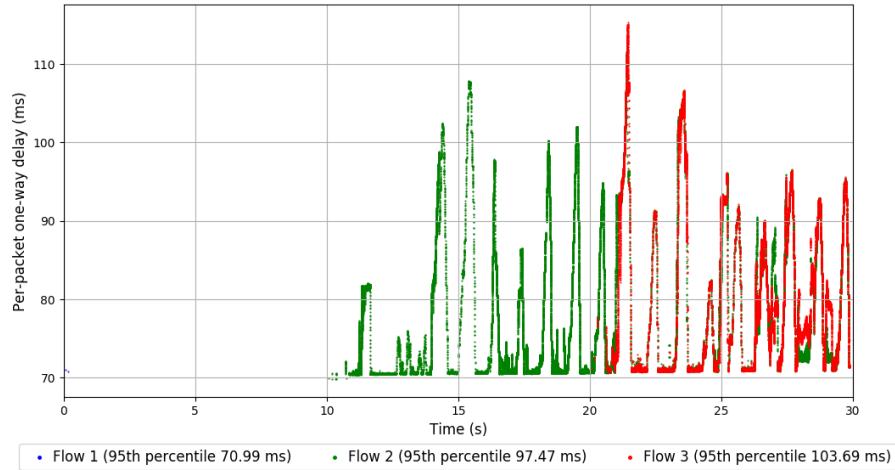
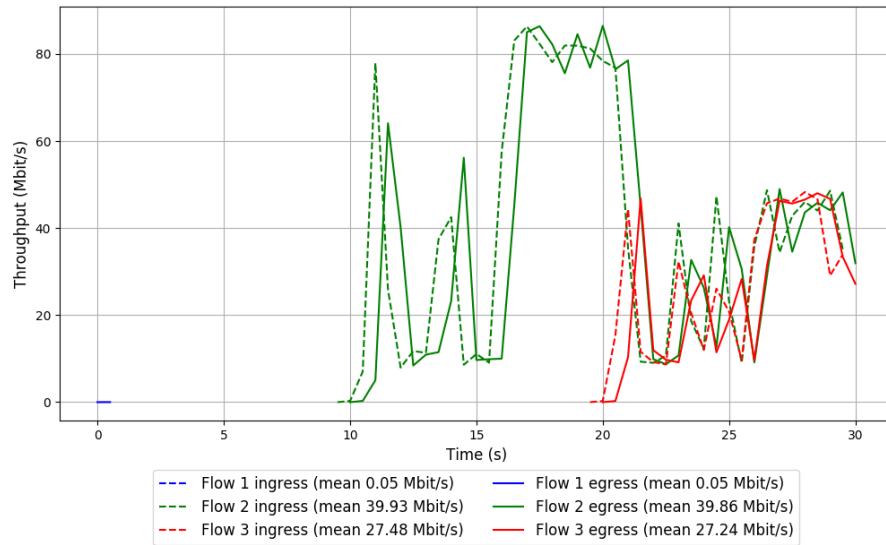
Figure is missing

Run 1: Statistics of QUIC Cubic

```
Start at: 2018-05-22 15:45:41
End at: 2018-05-22 15:46:11
Local clock offset: -38.129 ms
Remote clock offset: -28.106 ms

# Below is generated by plot.py at 2018-05-22 19:17:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.45 Mbit/s
95th percentile per-packet one-way delay: 98.932 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 70.992 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.86 Mbit/s
95th percentile per-packet one-way delay: 97.475 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 27.24 Mbit/s
95th percentile per-packet one-way delay: 103.694 ms
Loss rate: 1.93%
```

Run 1: Report of QUIC Cubic — Data Link

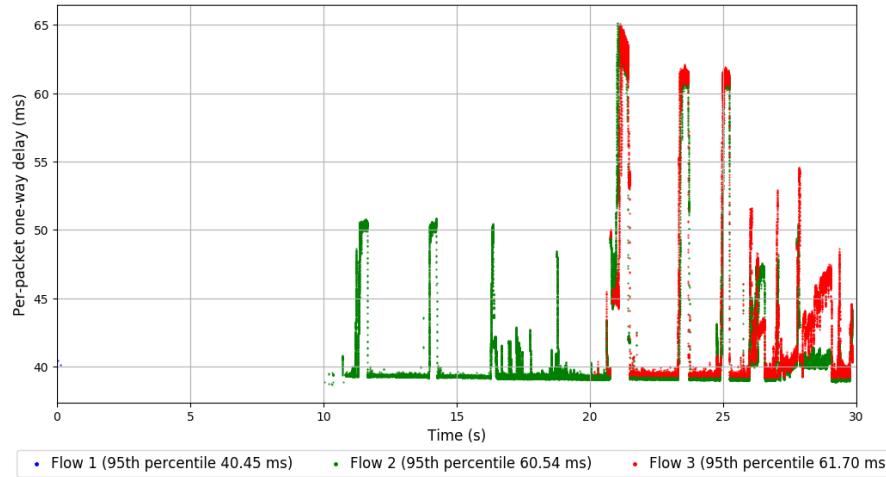
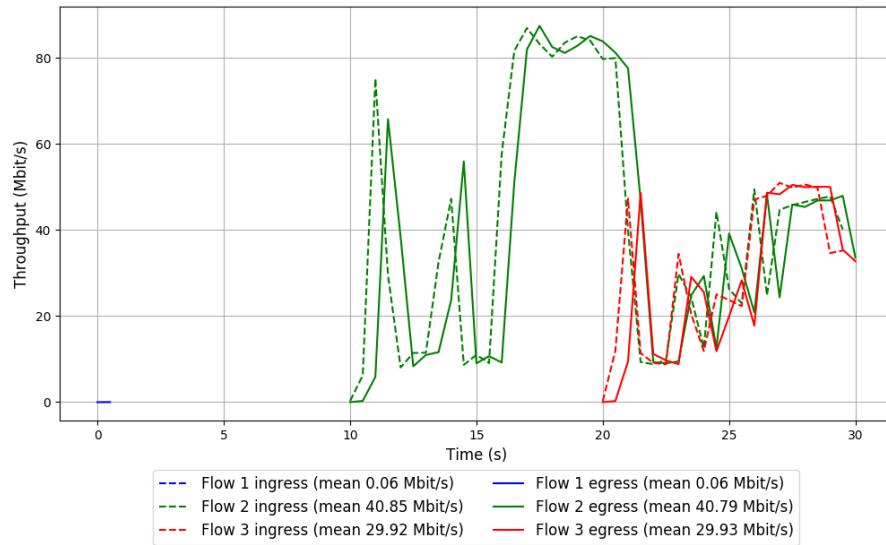


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-22 16:07:14
End at: 2018-05-22 16:07:44
Local clock offset: -25.834 ms
Remote clock offset: -1.136 ms

# Below is generated by plot.py at 2018-05-22 19:17:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.92 Mbit/s
95th percentile per-packet one-way delay: 61.160 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 40.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.79 Mbit/s
95th percentile per-packet one-way delay: 60.542 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 29.93 Mbit/s
95th percentile per-packet one-way delay: 61.698 ms
Loss rate: 1.11%
```

Run 2: Report of QUIC Cubic — Data Link

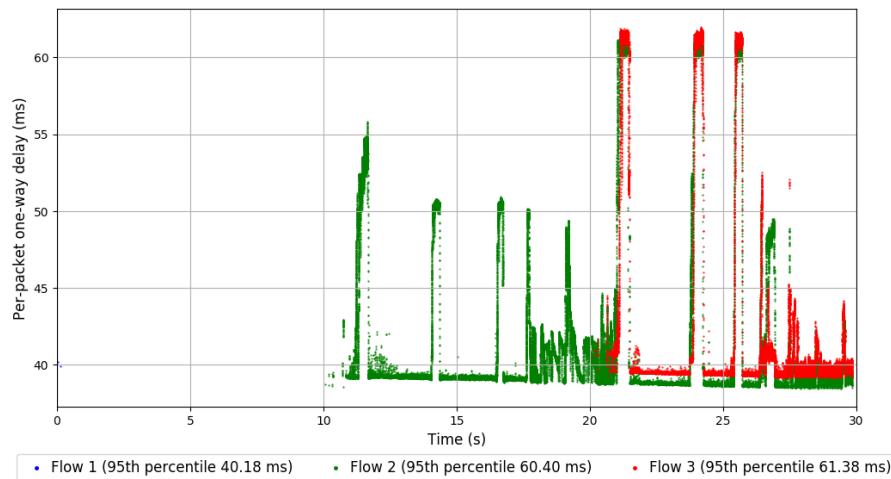
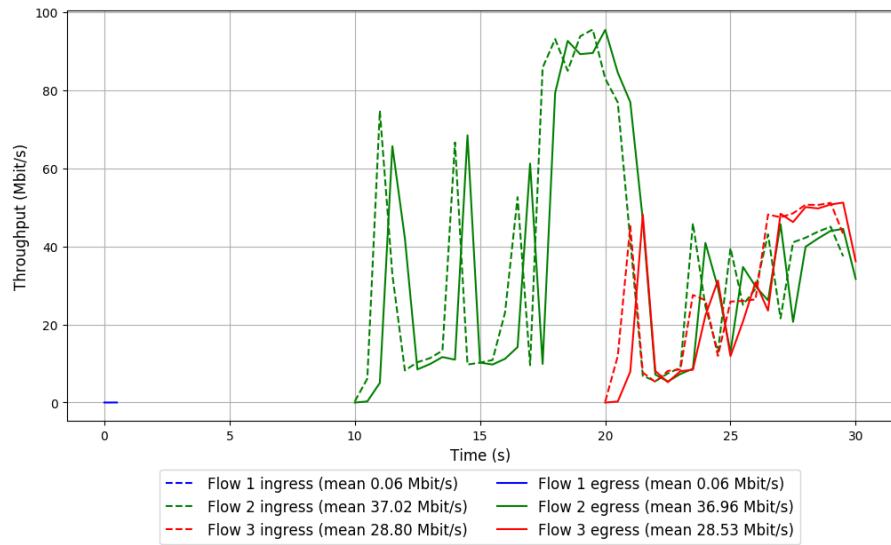


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-22 16:28:48
End at: 2018-05-22 16:29:18
Local clock offset: -24.169 ms
Remote clock offset: -4.625 ms

# Below is generated by plot.py at 2018-05-22 19:17:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 33.92 Mbit/s
95th percentile per-packet one-way delay: 60.762 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 40.181 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 60.395 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 28.53 Mbit/s
95th percentile per-packet one-way delay: 61.375 ms
Loss rate: 2.01%
```

Run 3: Report of QUIC Cubic — Data Link

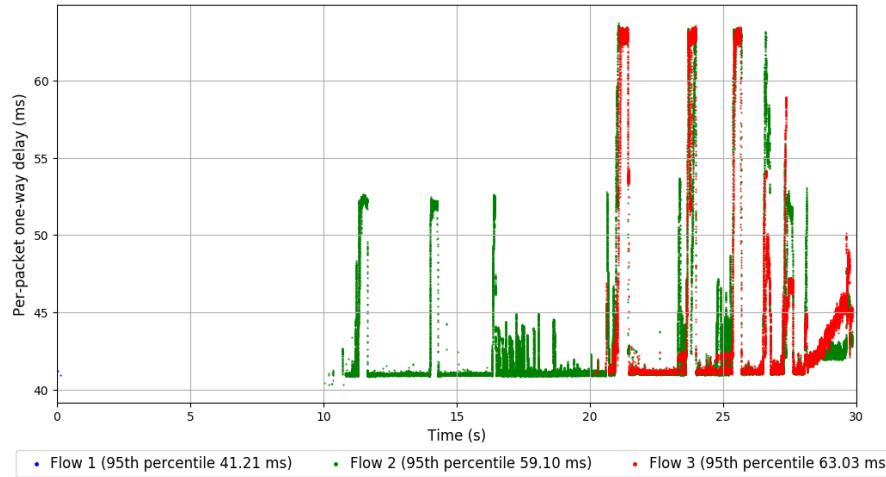
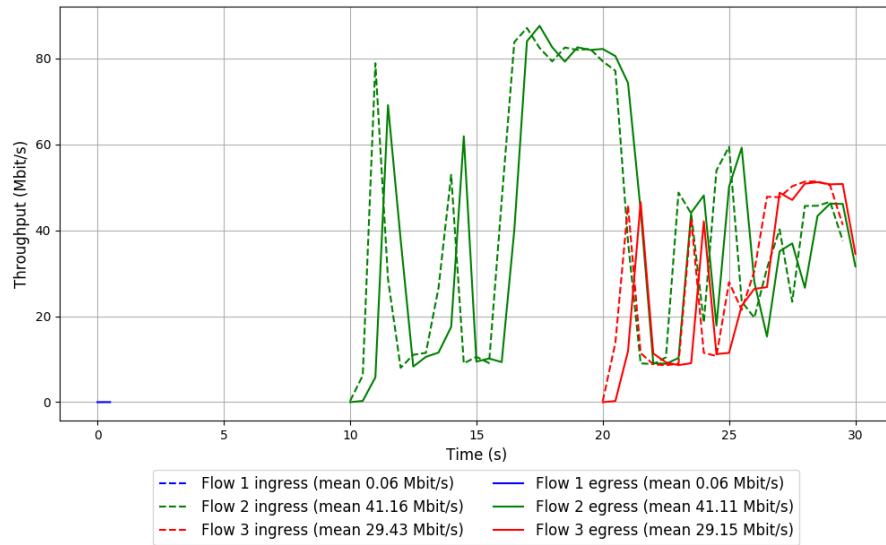


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-22 16:50:21
End at: 2018-05-22 16:50:51
Local clock offset: -14.154 ms
Remote clock offset: -1.864 ms

# Below is generated by plot.py at 2018-05-22 19:17:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.90 Mbit/s
95th percentile per-packet one-way delay: 62.767 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 41.208 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.11 Mbit/s
95th percentile per-packet one-way delay: 59.103 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 63.027 ms
Loss rate: 1.98%
```

Run 4: Report of QUIC Cubic — Data Link

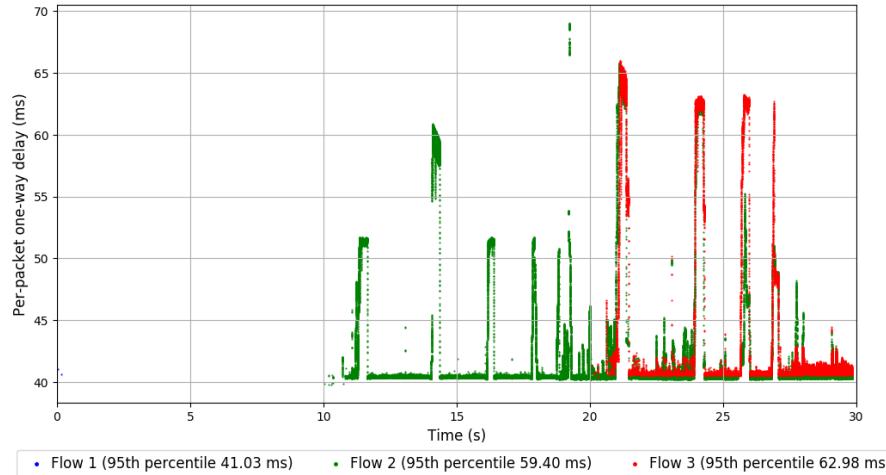
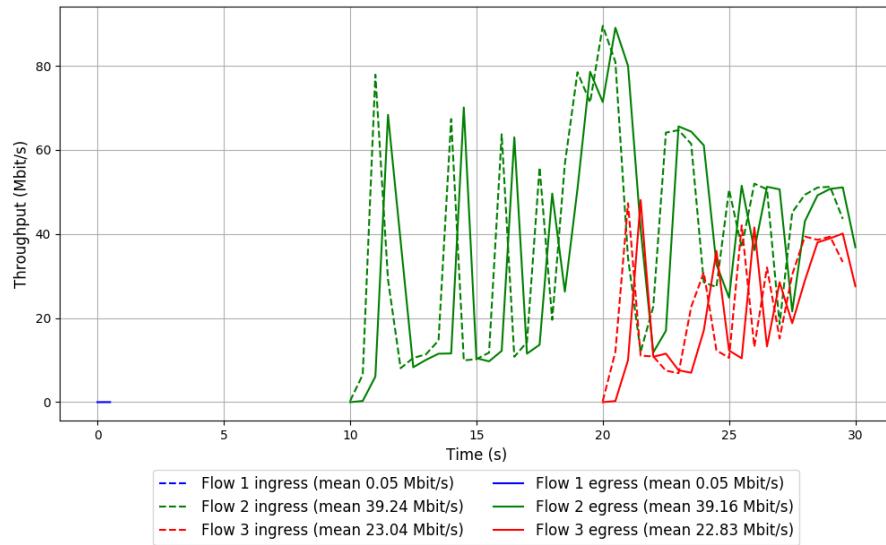


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-22 17:11:55
End at: 2018-05-22 17:12:25
Local clock offset: -8.691 ms
Remote clock offset: -0.795 ms

# Below is generated by plot.py at 2018-05-22 19:17:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 62.294 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 41.027 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 59.401 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 22.83 Mbit/s
95th percentile per-packet one-way delay: 62.983 ms
Loss rate: 1.97%
```

Run 5: Report of QUIC Cubic — Data Link

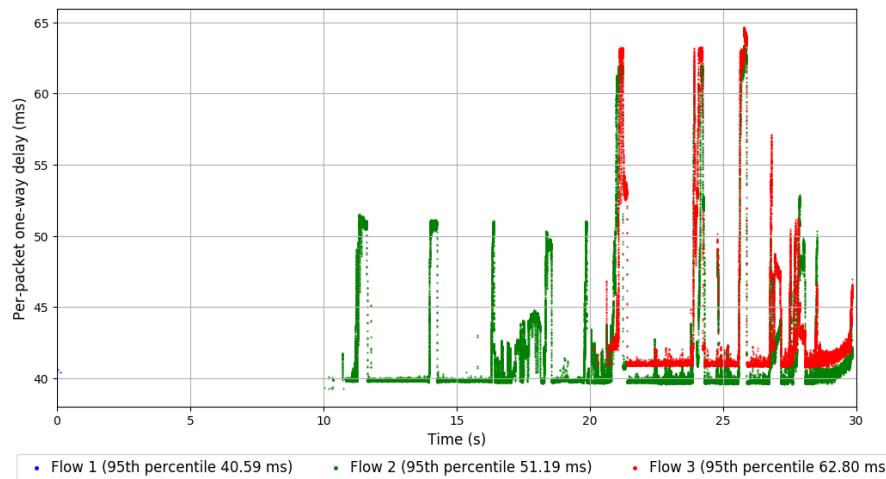
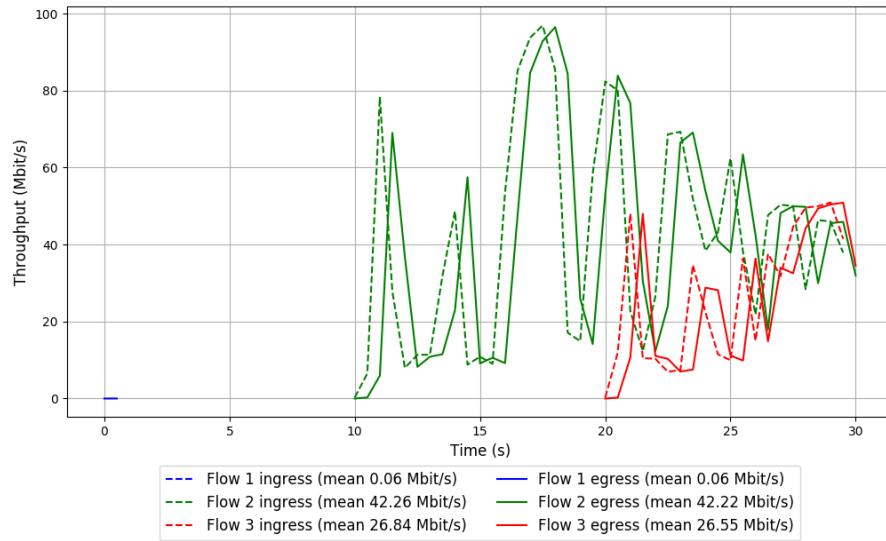


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-22 17:33:28
End at: 2018-05-22 17:33:58
Local clock offset: -3.991 ms
Remote clock offset: -0.932 ms

# Below is generated by plot.py at 2018-05-22 19:17:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 58.265 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 40.593 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.22 Mbit/s
95th percentile per-packet one-way delay: 51.189 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 26.55 Mbit/s
95th percentile per-packet one-way delay: 62.802 ms
Loss rate: 2.14%
```

Run 6: Report of QUIC Cubic — Data Link

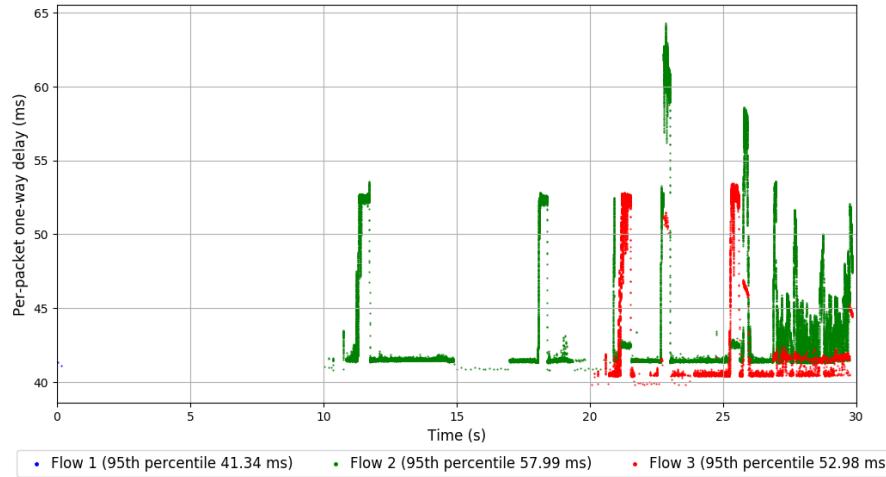
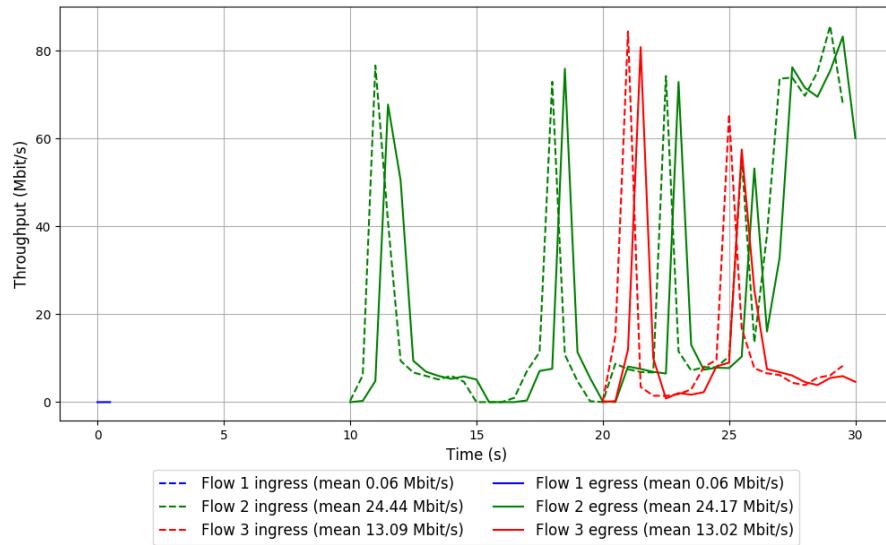


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-22 17:55:02
End at: 2018-05-22 17:55:32
Local clock offset: -0.512 ms
Remote clock offset: -0.436 ms

# Below is generated by plot.py at 2018-05-22 19:17:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 56.767 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 41.337 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 57.986 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 13.02 Mbit/s
95th percentile per-packet one-way delay: 52.984 ms
Loss rate: 1.70%
```

Run 7: Report of QUIC Cubic — Data Link

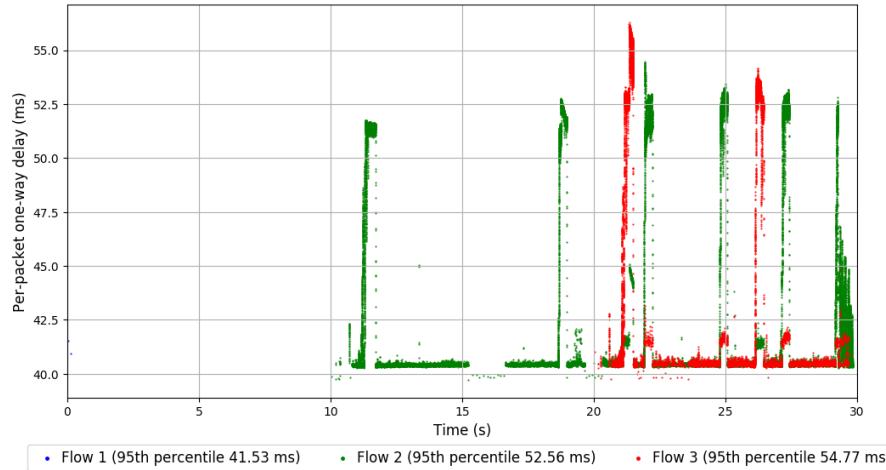
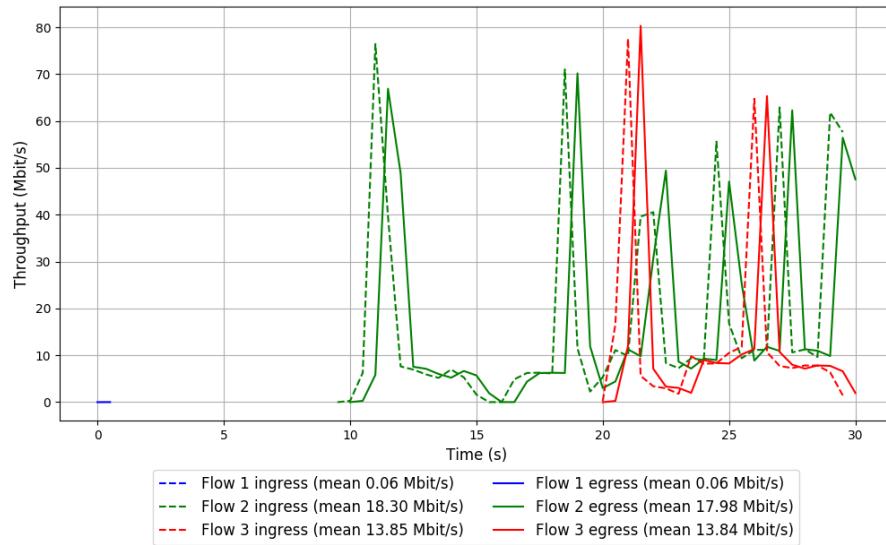


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-22 18:16:35
End at: 2018-05-22 18:17:05
Local clock offset: -2.95 ms
Remote clock offset: -0.333 ms

# Below is generated by plot.py at 2018-05-22 19:17:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.49 Mbit/s
95th percentile per-packet one-way delay: 53.143 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 41.527 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.98 Mbit/s
95th percentile per-packet one-way delay: 52.559 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 54.767 ms
Loss rate: 0.07%
```

Run 8: Report of QUIC Cubic — Data Link

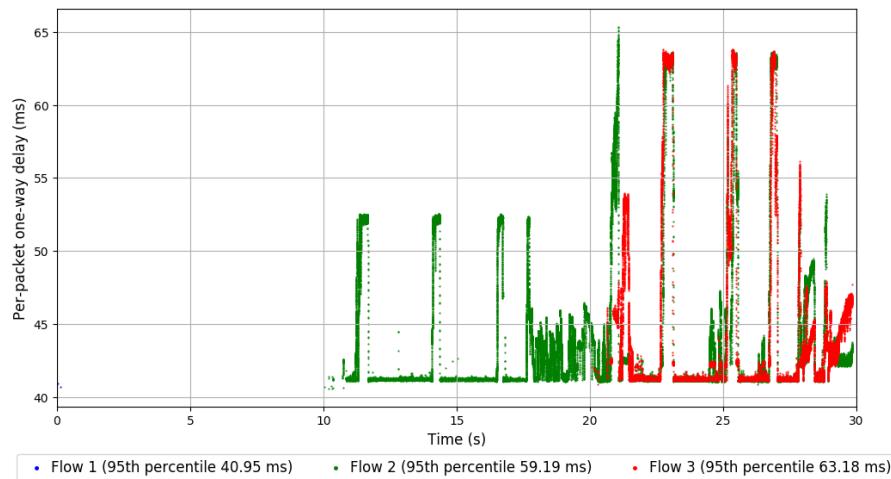
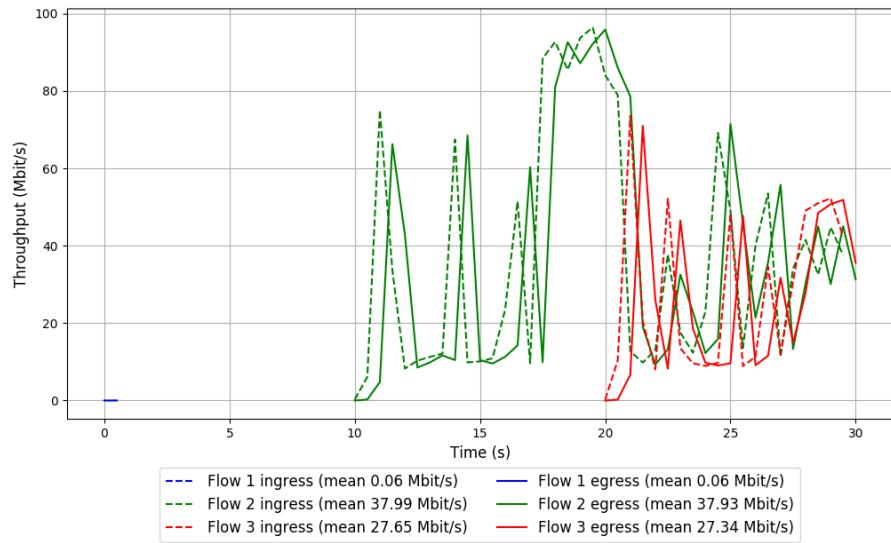


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-22 18:38:07
End at: 2018-05-22 18:38:37
Local clock offset: 0.064 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-05-22 19:17:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.18 Mbit/s
95th percentile per-packet one-way delay: 62.856 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 40.952 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 59.185 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 27.34 Mbit/s
95th percentile per-packet one-way delay: 63.179 ms
Loss rate: 2.20%
```

Run 9: Report of QUIC Cubic — Data Link

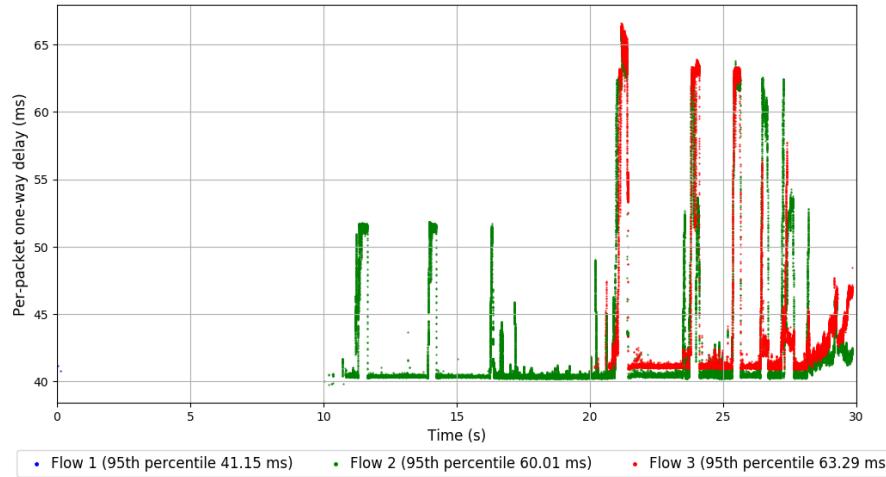
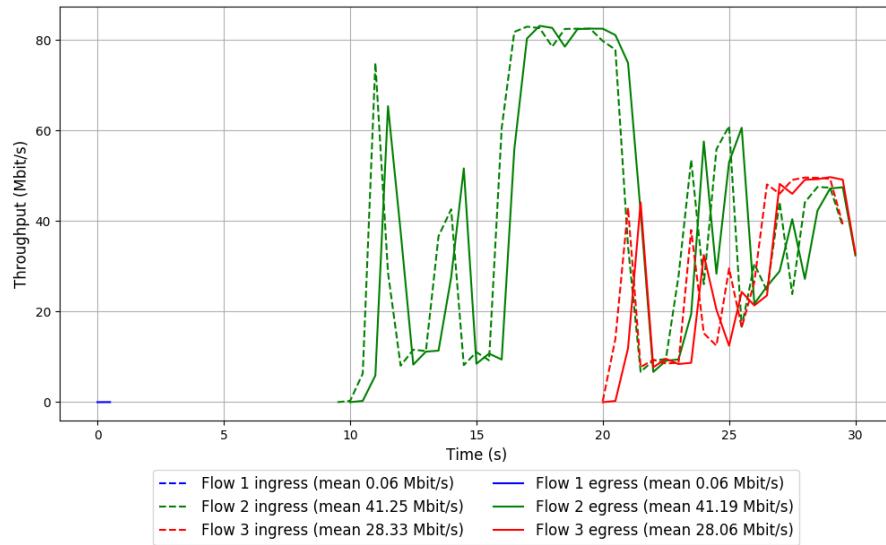


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-22 18:59:51
End at: 2018-05-22 19:00:21
Local clock offset: 2.044 ms
Remote clock offset: 0.049 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.59 Mbit/s
95th percentile per-packet one-way delay: 62.256 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 41.152 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.19 Mbit/s
95th percentile per-packet one-way delay: 60.005 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 28.06 Mbit/s
95th percentile per-packet one-way delay: 63.289 ms
Loss rate: 2.00%
```

Run 10: Report of QUIC Cubic — Data Link

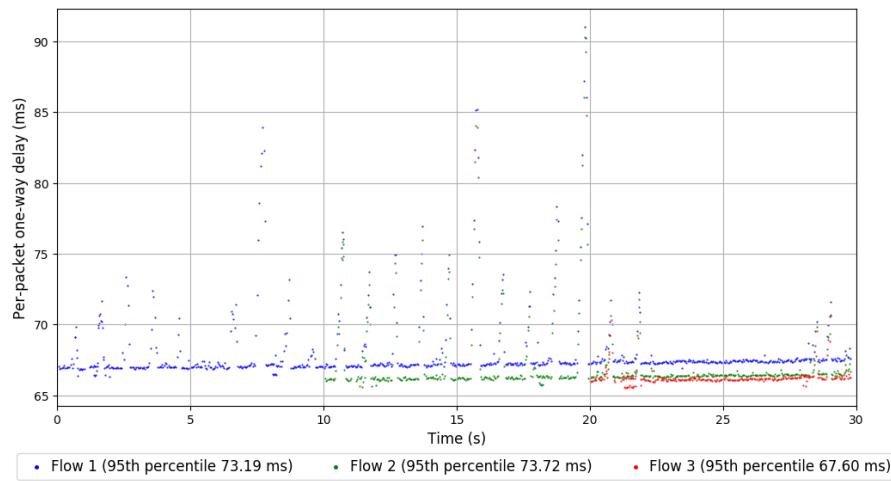
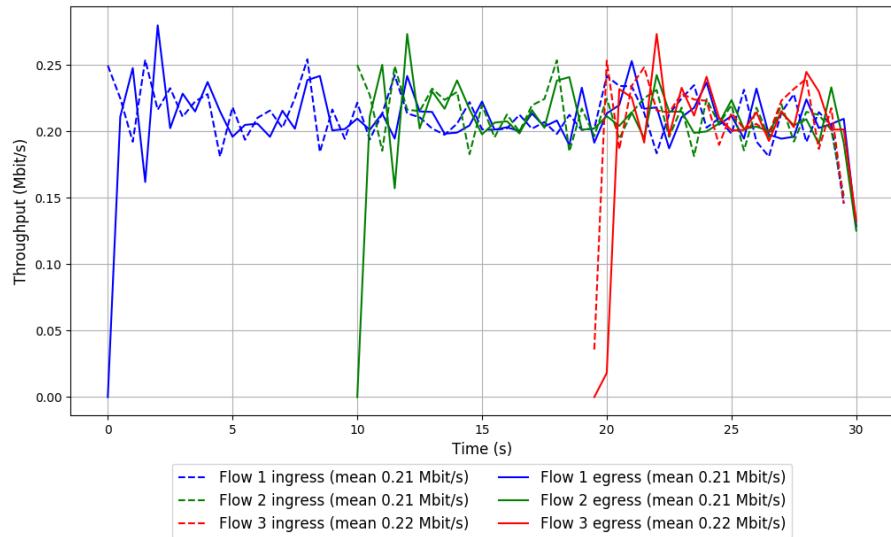


Run 1: Statistics of SCReAM

```
Start at: 2018-05-22 15:39:00
End at: 2018-05-22 15:39:30
Local clock offset: -27.901 ms
Remote clock offset: -23.913 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 72.350 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 73.185 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 73.717 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.598 ms
Loss rate: 1.08%
```

Run 1: Report of SCReAM — Data Link

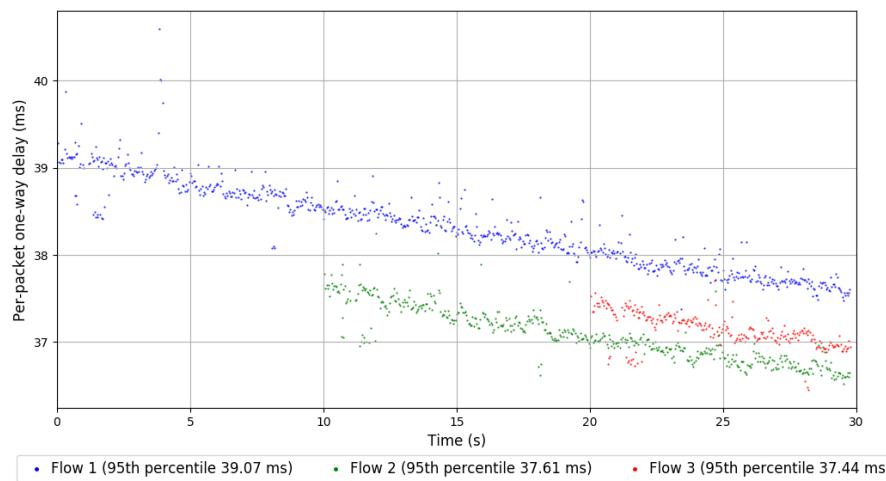
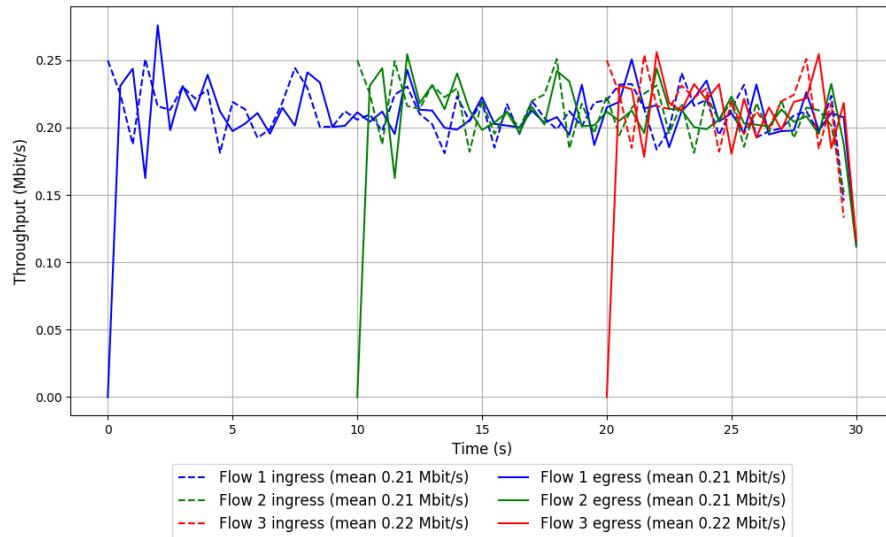


Run 2: Statistics of SCReAM

```
Start at: 2018-05-22 16:00:33
End at: 2018-05-22 16:01:03
Local clock offset: -39.881 ms
Remote clock offset: 0.262 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 38.975 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 39.073 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 37.613 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.442 ms
Loss rate: 0.77%
```

Run 2: Report of SCReAM — Data Link

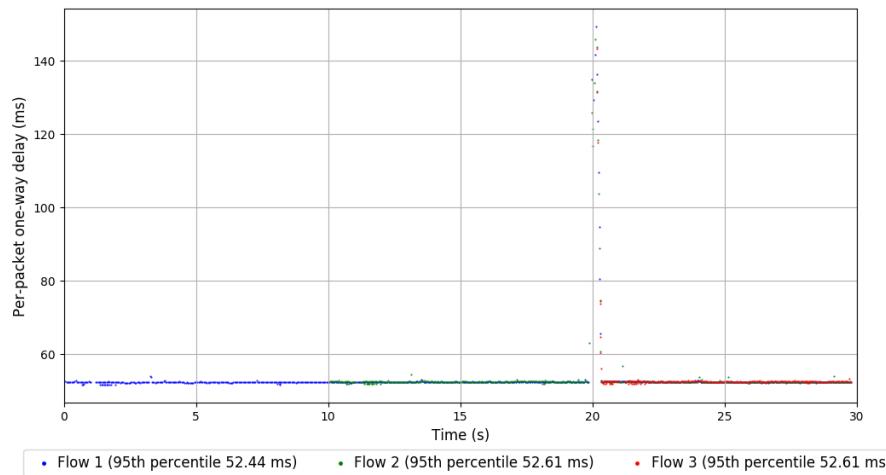
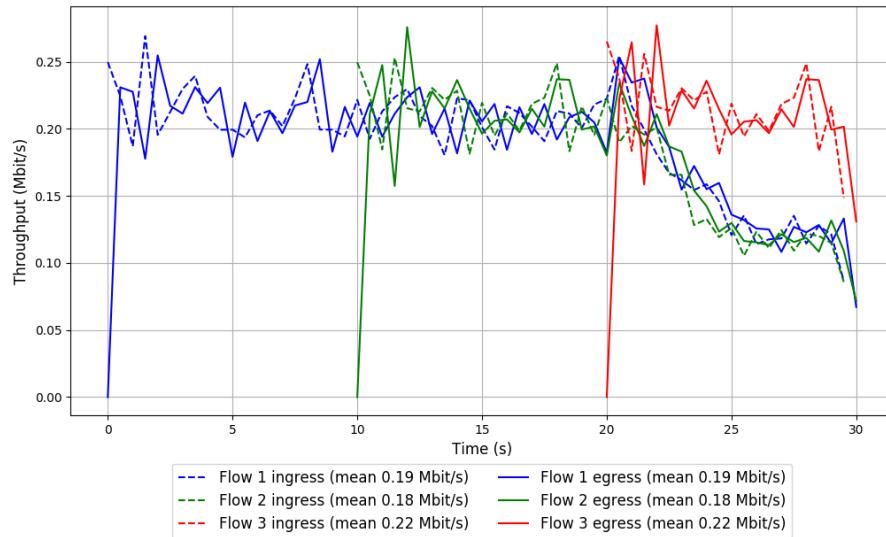


Run 3: Statistics of SCReAM

```
Start at: 2018-05-22 16:22:07
End at: 2018-05-22 16:22:37
Local clock offset: -27.177 ms
Remote clock offset: -14.317 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 52.537 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 52.438 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 52.610 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.614 ms
Loss rate: 1.14%
```

Run 3: Report of SCReAM — Data Link

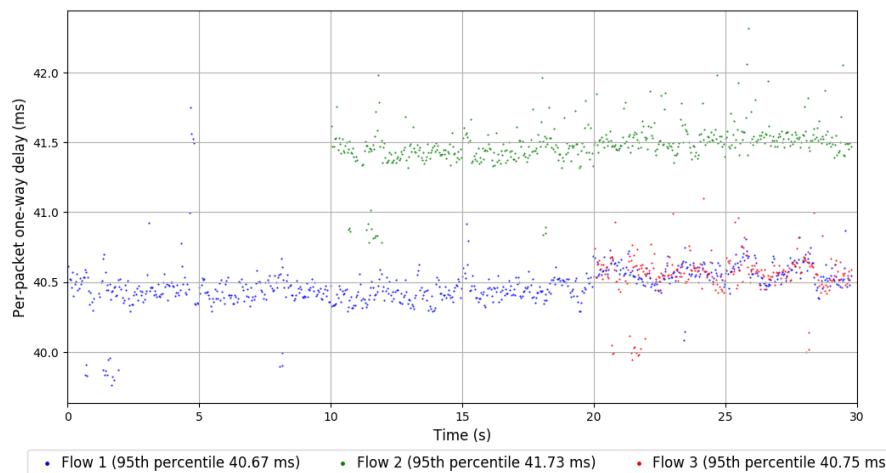
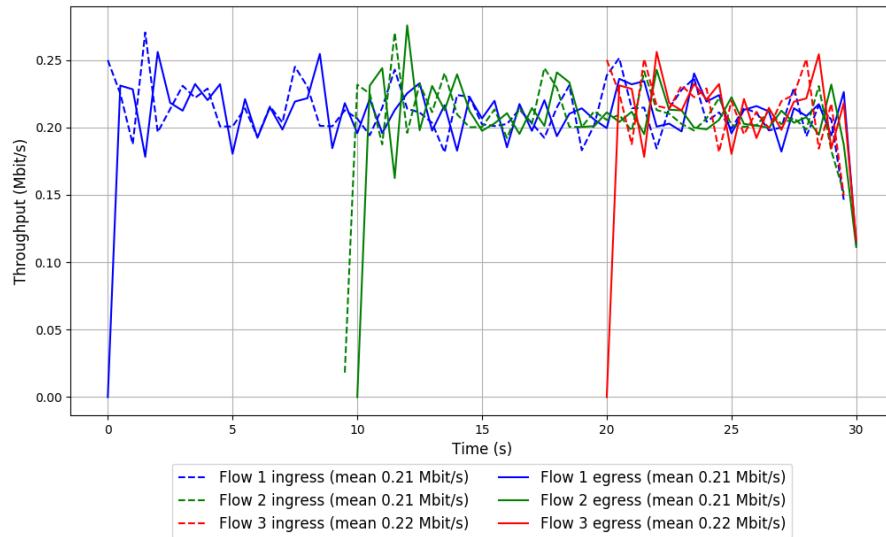


Run 4: Statistics of SCReAM

```
Start at: 2018-05-22 16:43:40
End at: 2018-05-22 16:44:10
Local clock offset: -12.476 ms
Remote clock offset: -3.033 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 41.572 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 40.667 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 41.734 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 40.748 ms
Loss rate: 1.15%
```

Run 4: Report of SCReAM — Data Link

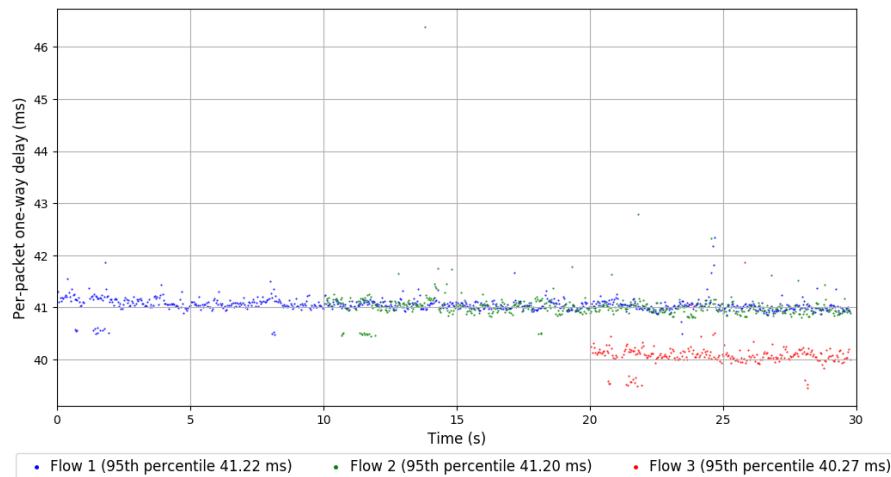
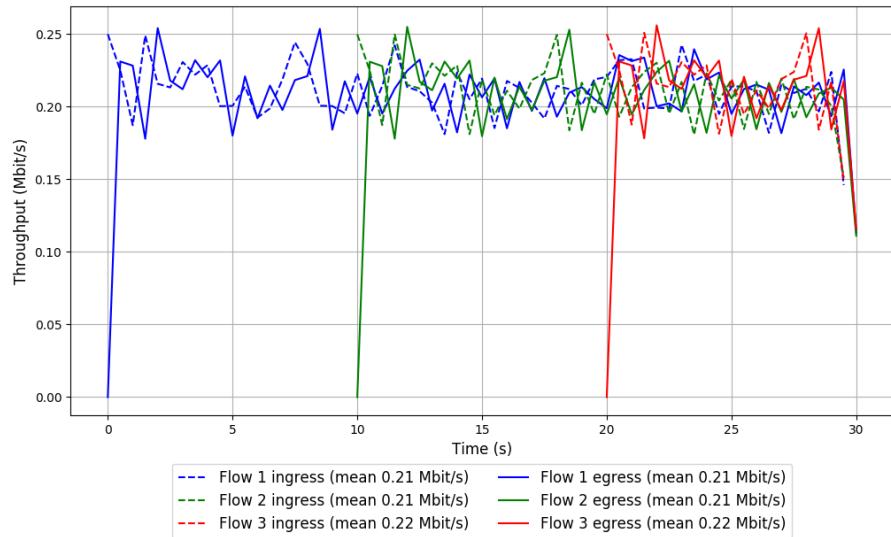


Run 5: Statistics of SCReAM

```
Start at: 2018-05-22 17:05:14
End at: 2018-05-22 17:05:44
Local clock offset: -9.278 ms
Remote clock offset: -0.791 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 41.207 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 41.224 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 41.205 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 40.274 ms
Loss rate: 1.15%
```

Run 5: Report of SCReAM — Data Link

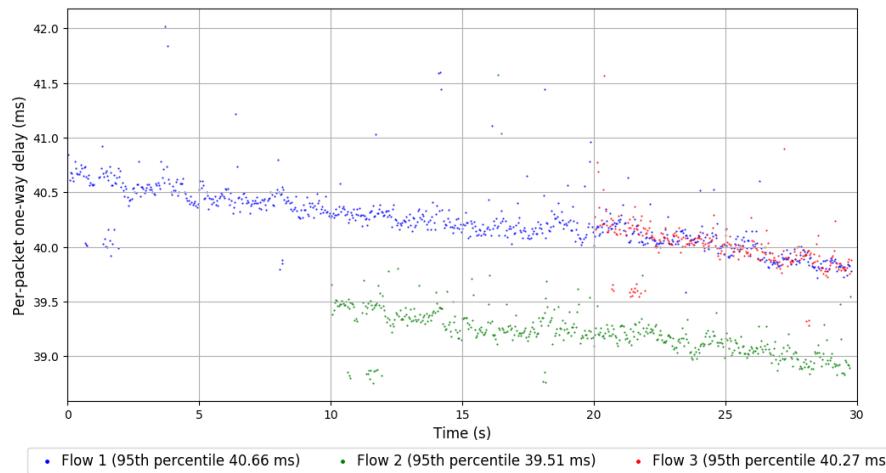
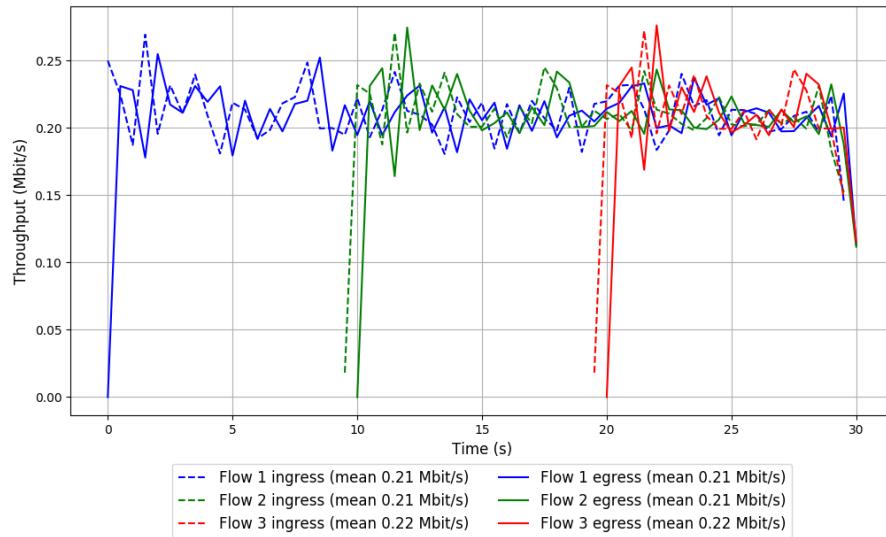


Run 6: Statistics of SCReAM

```
Start at: 2018-05-22 17:26:47
End at: 2018-05-22 17:27:17
Local clock offset: -11.206 ms
Remote clock offset: -0.891 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 40.581 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 40.664 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 39.507 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 40.274 ms
Loss rate: 1.15%
```

Run 6: Report of SCReAM — Data Link

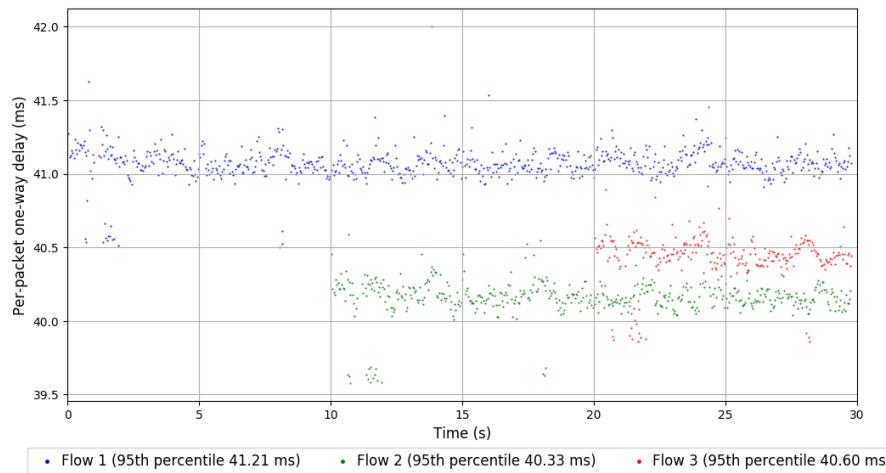
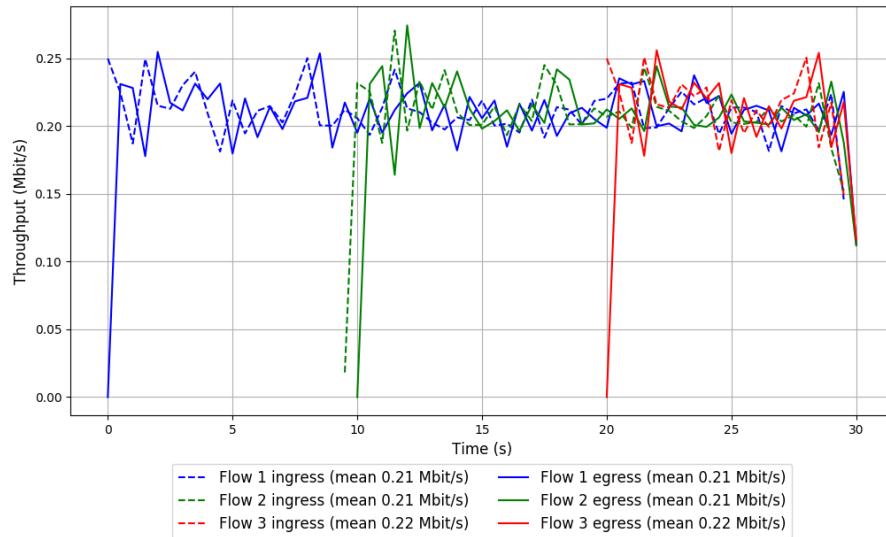


Run 7: Statistics of SCReAM

```
Start at: 2018-05-22 17:48:21
End at: 2018-05-22 17:48:51
Local clock offset: -0.509 ms
Remote clock offset: -0.746 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 41.175 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 41.210 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 40.325 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 40.603 ms
Loss rate: 1.15%
```

Run 7: Report of SCReAM — Data Link

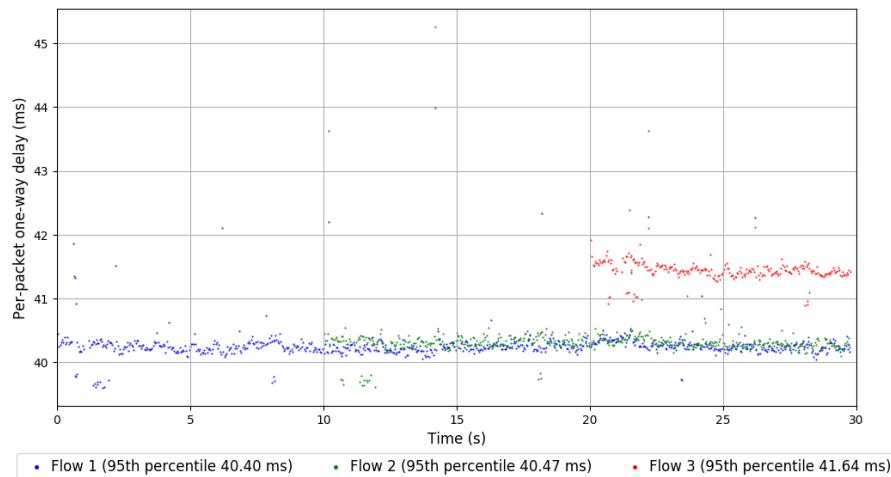
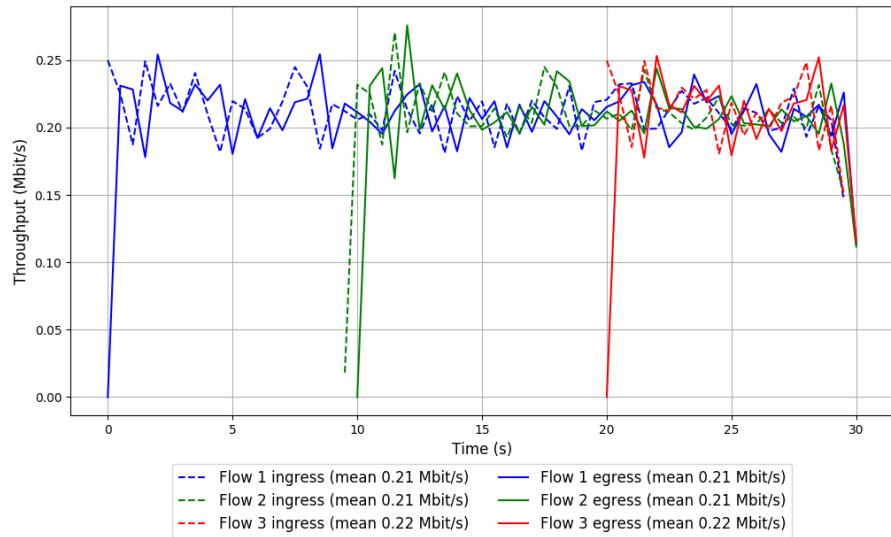


Run 8: Statistics of SCReAM

```
Start at: 2018-05-22 18:09:54
End at: 2018-05-22 18:10:24
Local clock offset: -2.283 ms
Remote clock offset: -0.373 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 41.501 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 40.399 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 40.467 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 41.640 ms
Loss rate: 1.15%
```

Run 8: Report of SCReAM — Data Link

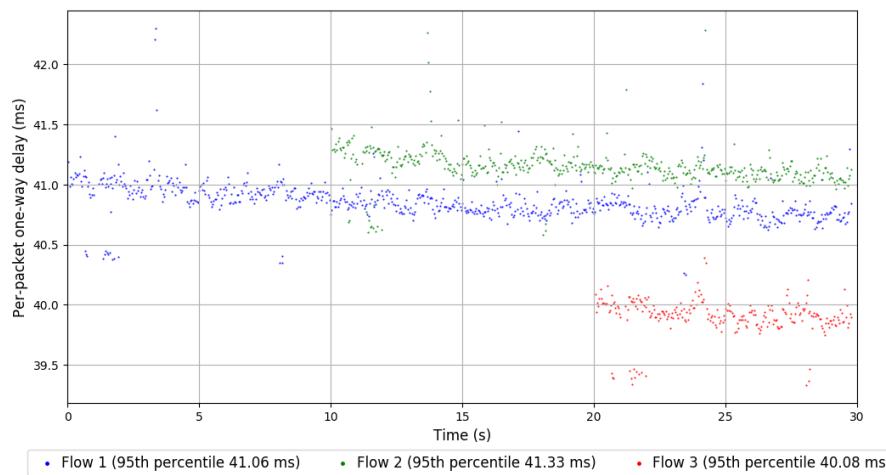
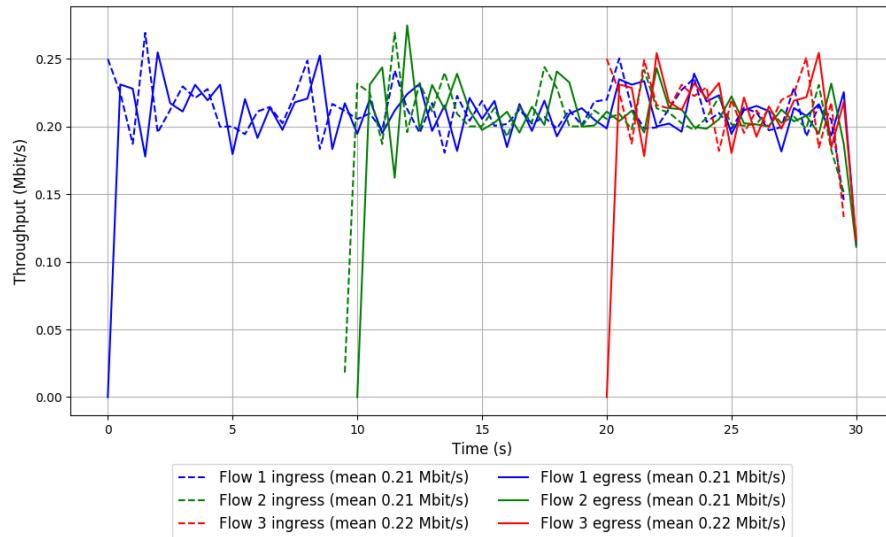


Run 9: Statistics of SCReAM

```
Start at: 2018-05-22 18:31:27
End at: 2018-05-22 18:31:57
Local clock offset: -1.526 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 41.264 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 41.059 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 41.331 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 40.081 ms
Loss rate: 0.77%
```

Run 9: Report of SCReAM — Data Link

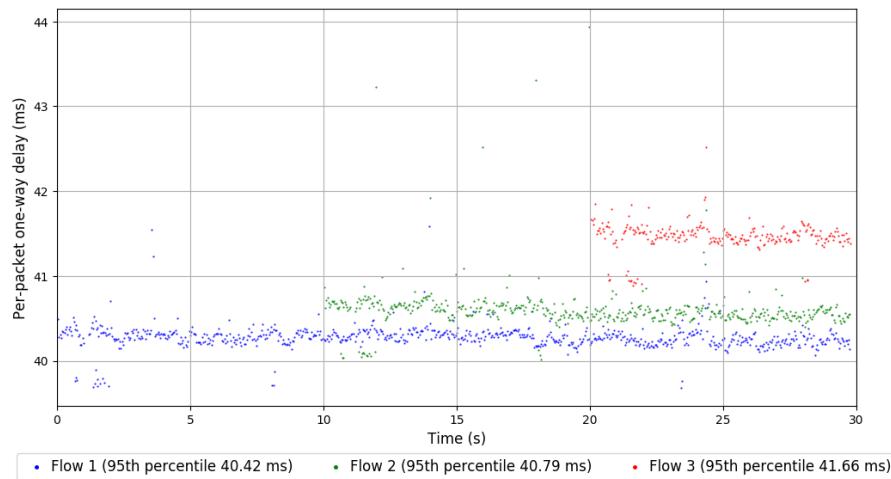
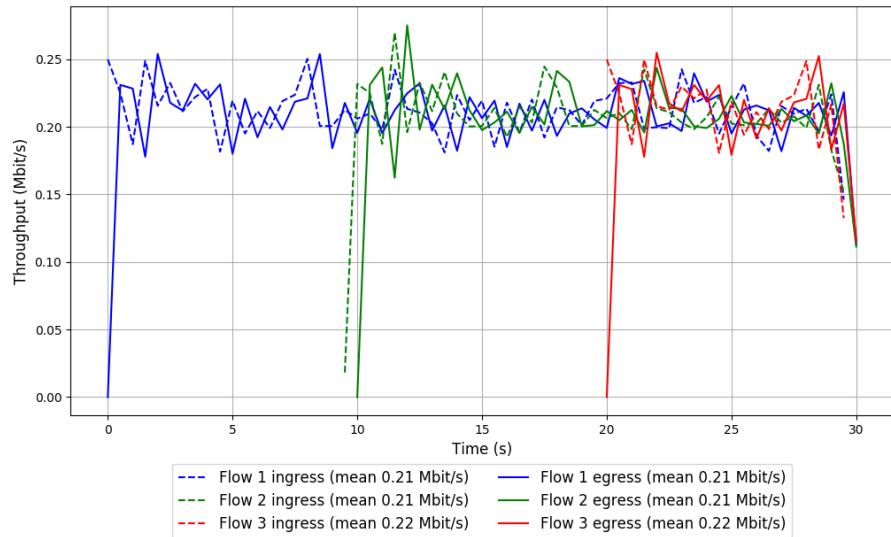


Run 10: Statistics of SCReAM

```
Start at: 2018-05-22 18:53:00
End at: 2018-05-22 18:53:30
Local clock offset: 1.077 ms
Remote clock offset: 0.053 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 41.533 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 40.423 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 40.789 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 41.657 ms
Loss rate: 0.77%
```

Run 10: Report of SCReAM — Data Link

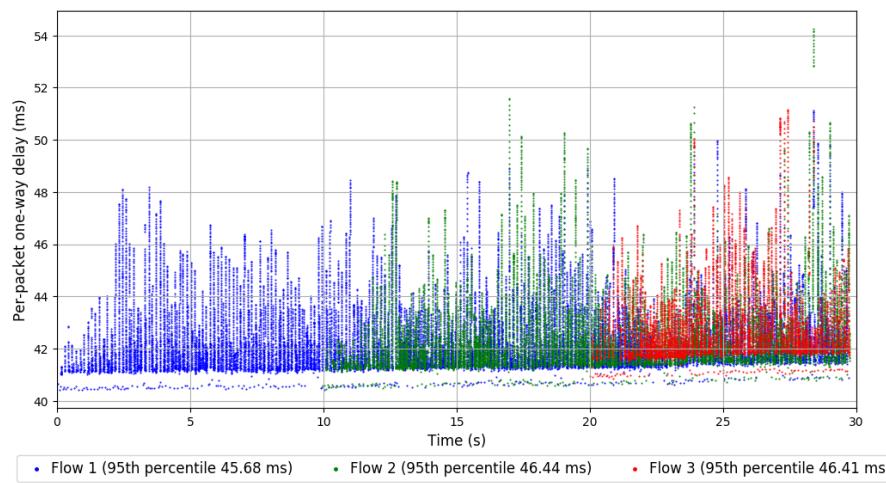
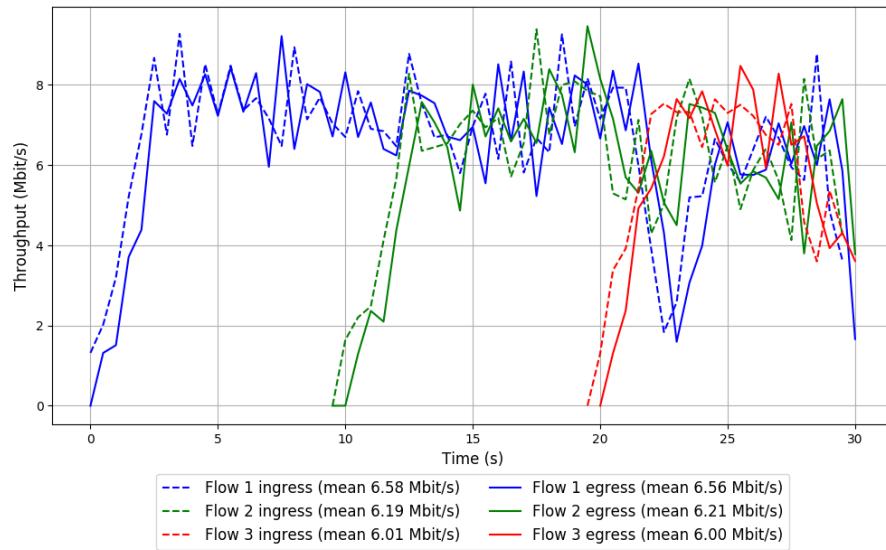


Run 1: Statistics of Sprout

```
Start at: 2018-05-22 15:33:35
End at: 2018-05-22 15:34:05
Local clock offset: -21.356 ms
Remote clock offset: 1.257 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 46.022 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 6.56 Mbit/s
95th percentile per-packet one-way delay: 45.680 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 6.21 Mbit/s
95th percentile per-packet one-way delay: 46.439 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 6.00 Mbit/s
95th percentile per-packet one-way delay: 46.406 ms
Loss rate: 1.50%
```

Run 1: Report of Sprout — Data Link

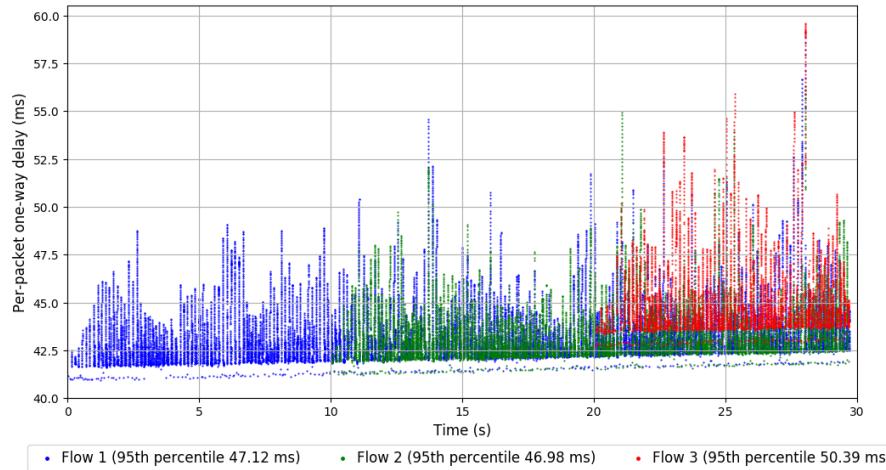
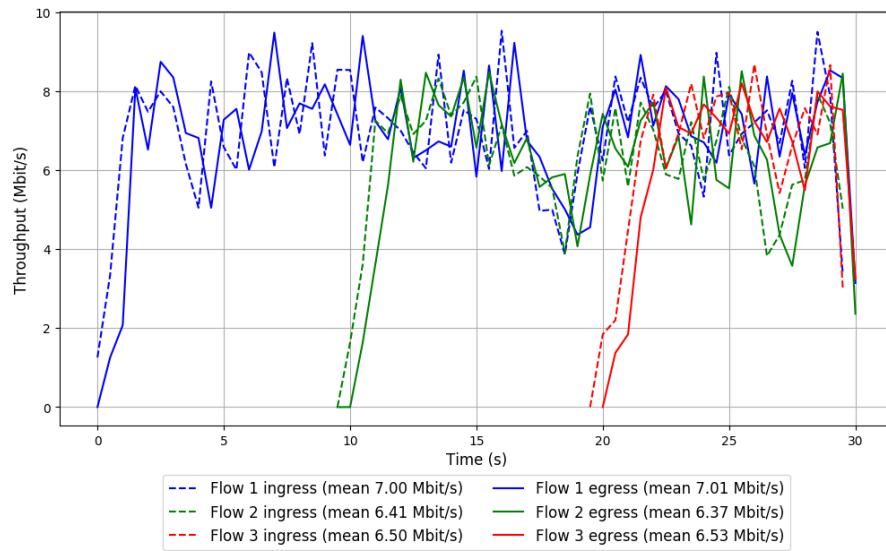


Run 2: Statistics of Sprout

```
Start at: 2018-05-22 15:55:10
End at: 2018-05-22 15:55:40
Local clock offset: -55.899 ms
Remote clock offset: 0.148 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 47.825 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 47.115 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 46.975 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: 50.386 ms
Loss rate: 0.72%
```

Run 2: Report of Sprout — Data Link

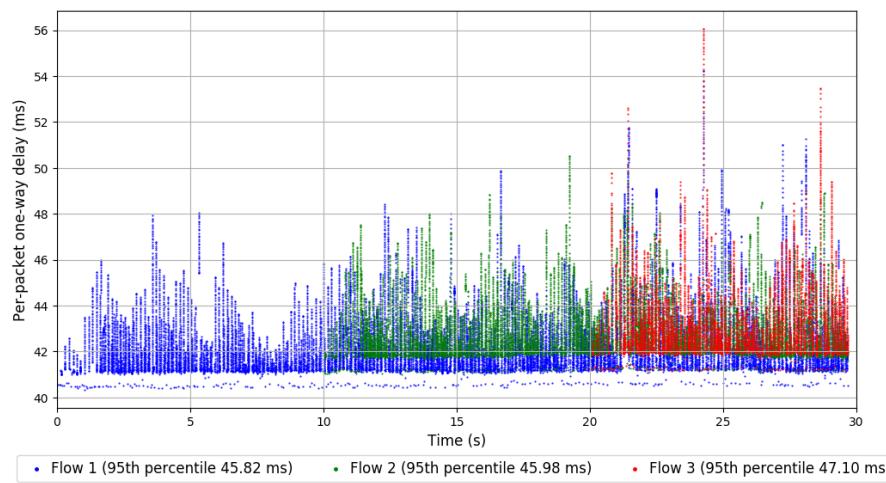
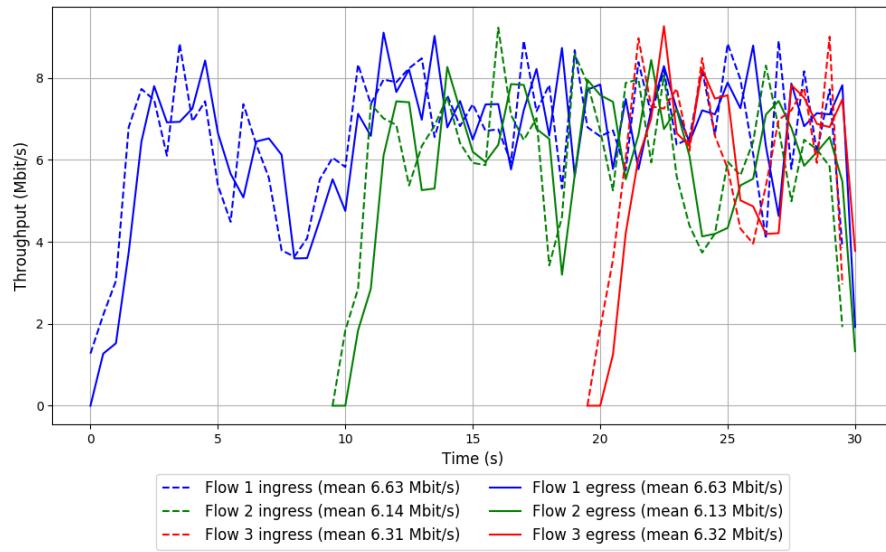


Run 3: Statistics of Sprout

```
Start at: 2018-05-22 16:16:42
End at: 2018-05-22 16:17:13
Local clock offset: -23.826 ms
Remote clock offset: -3.296 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 46.122 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 45.818 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 6.13 Mbit/s
95th percentile per-packet one-way delay: 45.975 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 6.32 Mbit/s
95th percentile per-packet one-way delay: 47.101 ms
Loss rate: 0.58%
```

Run 3: Report of Sprout — Data Link

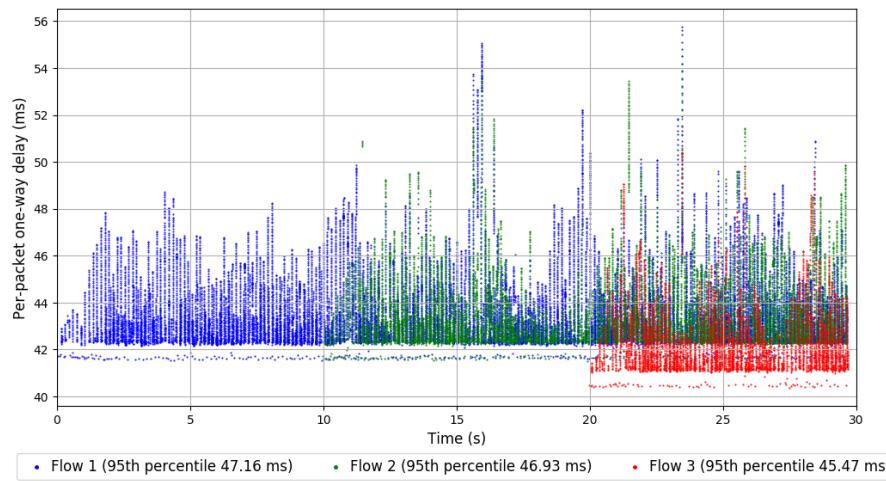
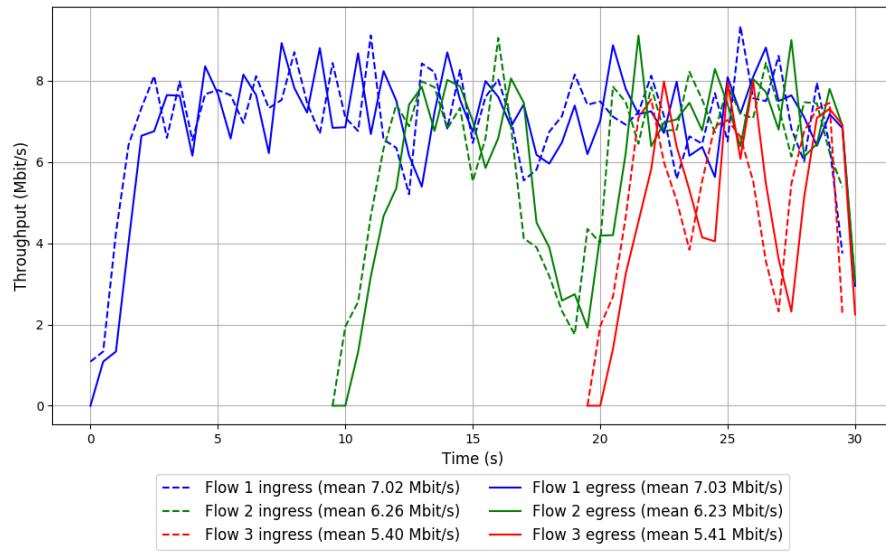


Run 4: Statistics of Sprout

```
Start at: 2018-05-22 16:38:16
End at: 2018-05-22 16:38:46
Local clock offset: -12.953 ms
Remote clock offset: -4.381 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 46.938 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 47.157 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 6.23 Mbit/s
95th percentile per-packet one-way delay: 46.928 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 45.467 ms
Loss rate: 0.54%
```

Run 4: Report of Sprout — Data Link

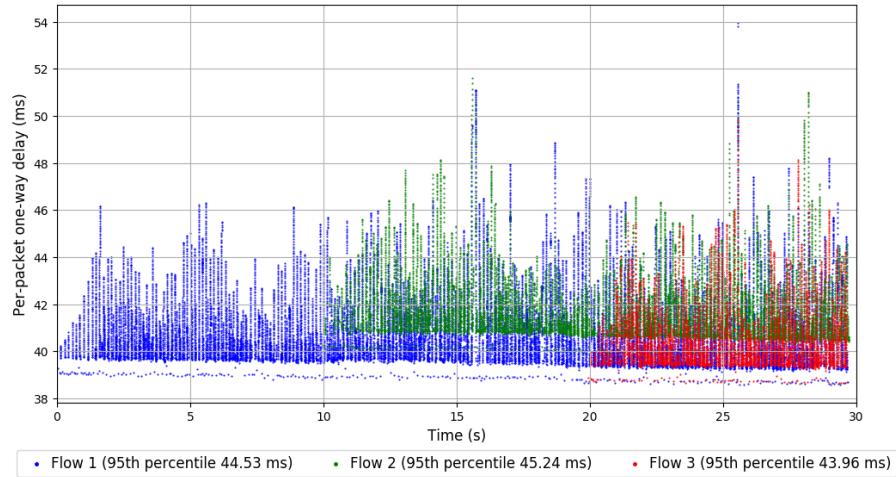
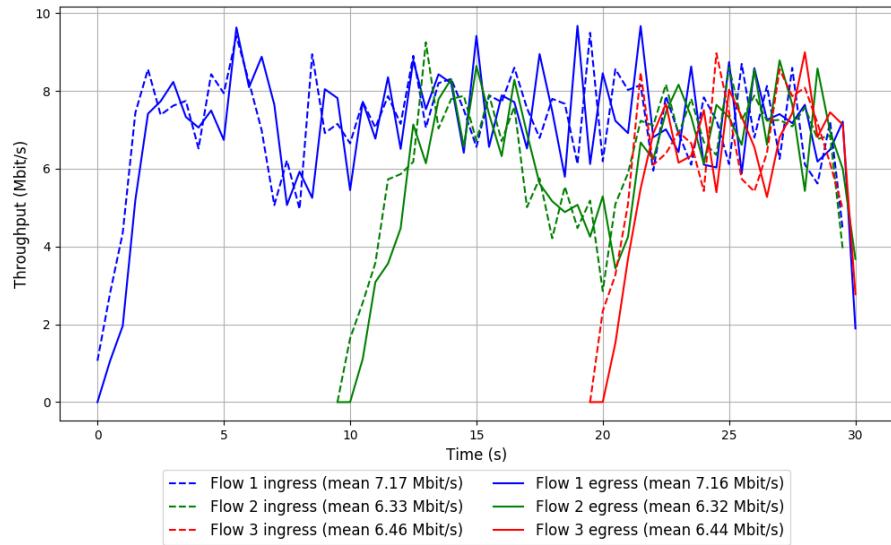


Run 5: Statistics of Sprout

```
Start at: 2018-05-22 16:59:50
End at: 2018-05-22 17:00:20
Local clock offset: -12.858 ms
Remote clock offset: -0.999 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.47 Mbit/s
95th percentile per-packet one-way delay: 44.709 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 44.534 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 6.32 Mbit/s
95th percentile per-packet one-way delay: 45.241 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 43.962 ms
Loss rate: 1.72%
```

Run 5: Report of Sprout — Data Link

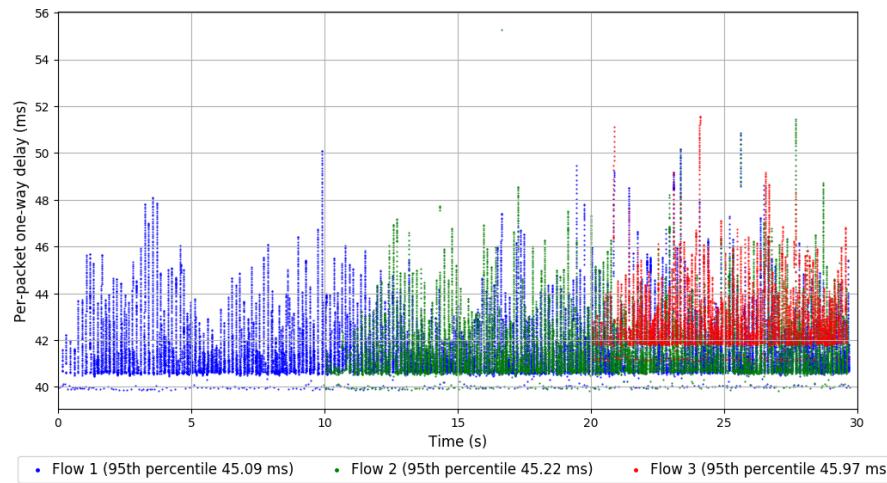
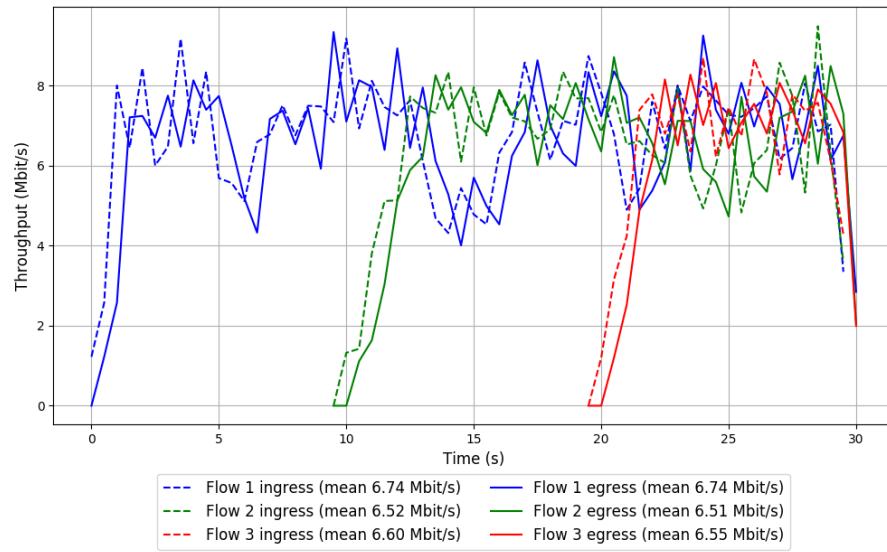


Run 6: Statistics of Sprout

```
Start at: 2018-05-22 17:21:23
End at: 2018-05-22 17:21:53
Local clock offset: -10.13 ms
Remote clock offset: -0.811 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.21 Mbit/s
95th percentile per-packet one-way delay: 45.340 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 45.085 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 45.218 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 45.973 ms
Loss rate: 1.77%
```

Run 6: Report of Sprout — Data Link

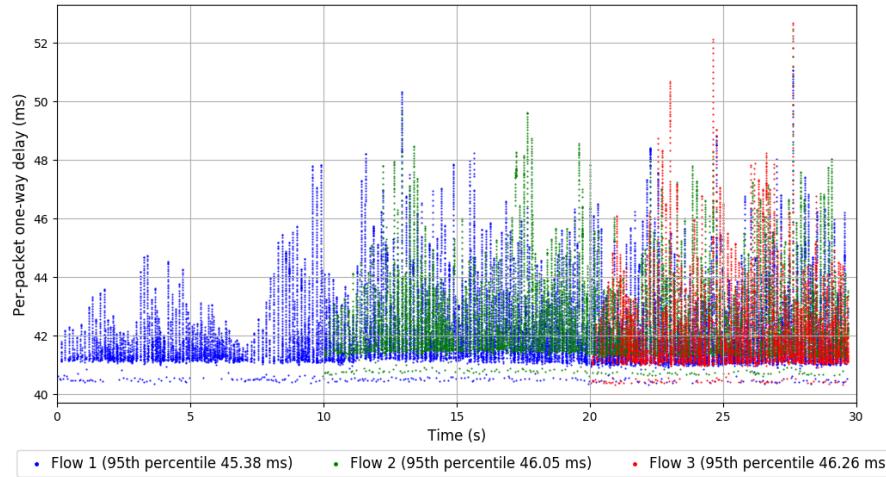
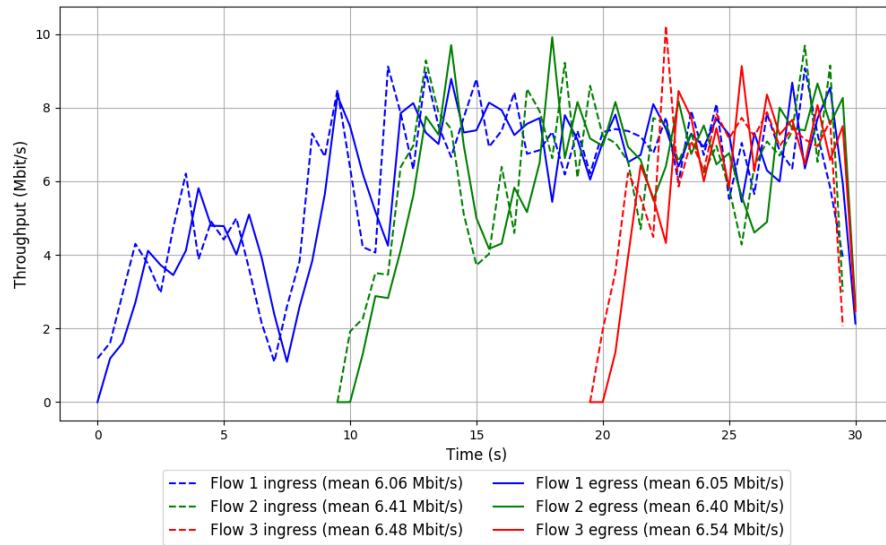


Run 7: Statistics of Sprout

```
Start at: 2018-05-22 17:42:57
End at: 2018-05-22 17:43:27
Local clock offset: -0.776 ms
Remote clock offset: -0.847 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.45 Mbit/s
95th percentile per-packet one-way delay: 45.769 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 6.05 Mbit/s
95th percentile per-packet one-way delay: 45.385 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 46.047 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 6.54 Mbit/s
95th percentile per-packet one-way delay: 46.263 ms
Loss rate: 0.34%
```

Run 7: Report of Sprout — Data Link

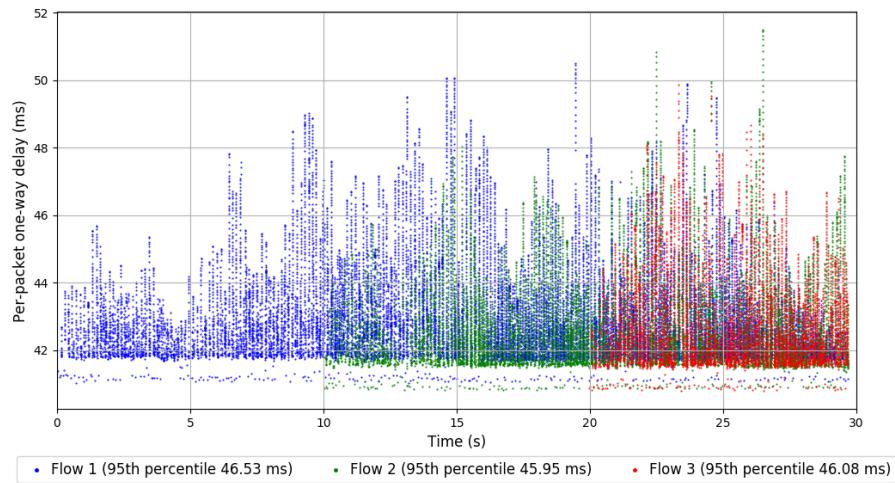
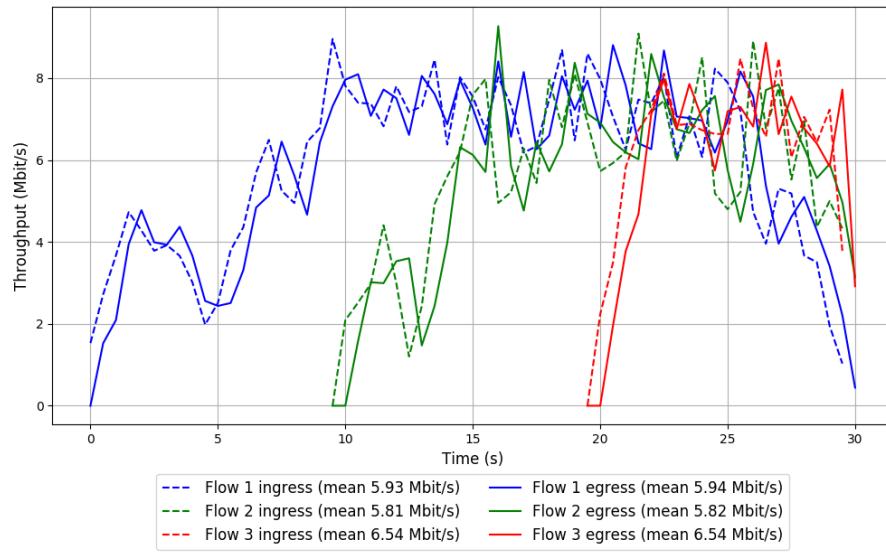


Run 8: Statistics of Sprout

```
Start at: 2018-05-22 18:04:30
End at: 2018-05-22 18:05:00
Local clock offset: -1.391 ms
Remote clock offset: -0.367 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.94 Mbit/s
95th percentile per-packet one-way delay: 46.277 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 46.530 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 45.953 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 6.54 Mbit/s
95th percentile per-packet one-way delay: 46.078 ms
Loss rate: 1.43%
```

Run 8: Report of Sprout — Data Link

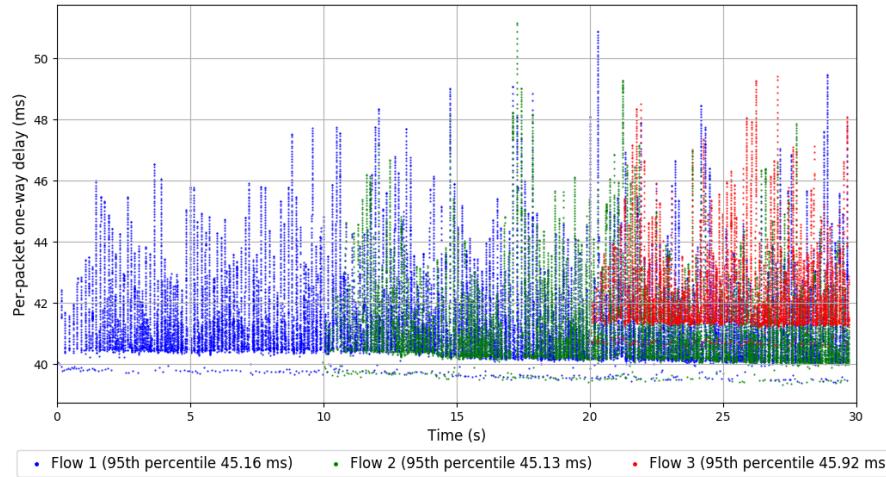
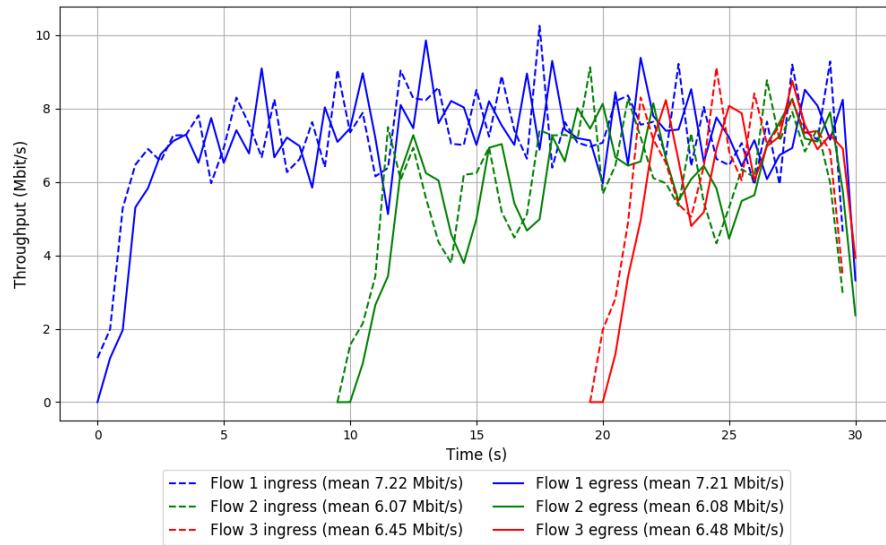


Run 9: Statistics of Sprout

```
Start at: 2018-05-22 18:26:03
End at: 2018-05-22 18:26:33
Local clock offset: -4.051 ms
Remote clock offset: -0.14 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 45.303 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 45.159 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 6.08 Mbit/s
95th percentile per-packet one-way delay: 45.132 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 6.48 Mbit/s
95th percentile per-packet one-way delay: 45.919 ms
Loss rate: 0.54%
```

Run 9: Report of Sprout — Data Link

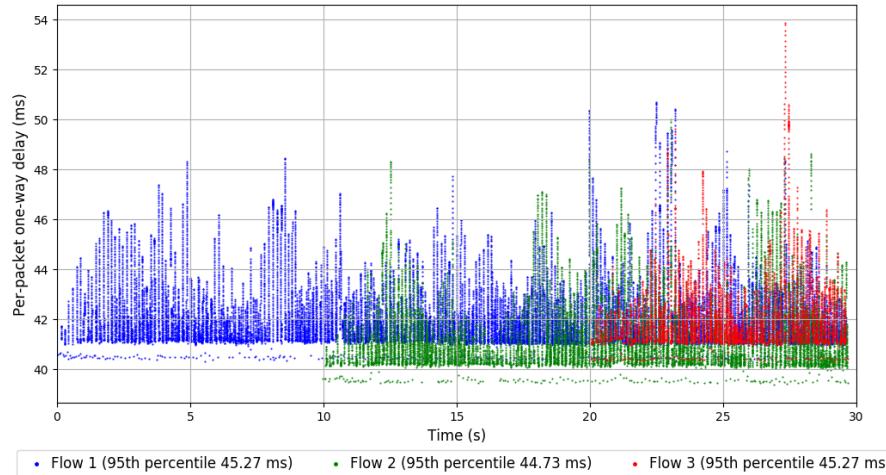
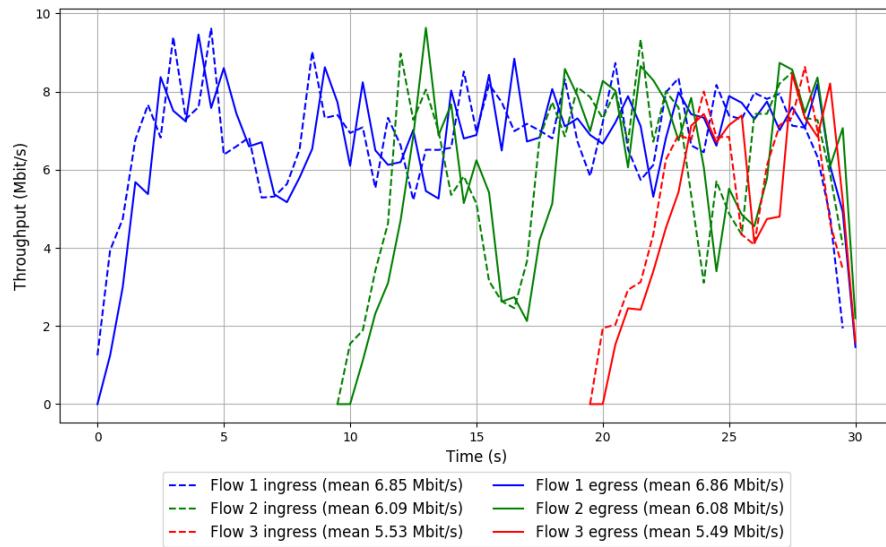


Run 10: Statistics of Sprout

```
Start at: 2018-05-22 18:47:36
End at: 2018-05-22 18:48:06
Local clock offset: 0.845 ms
Remote clock offset: 0.073 ms

# Below is generated by plot.py at 2018-05-22 19:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 45.127 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 45.273 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 6.08 Mbit/s
95th percentile per-packet one-way delay: 44.733 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 5.49 Mbit/s
95th percentile per-packet one-way delay: 45.269 ms
Loss rate: 1.72%
```

Run 10: Report of Sprout — Data Link

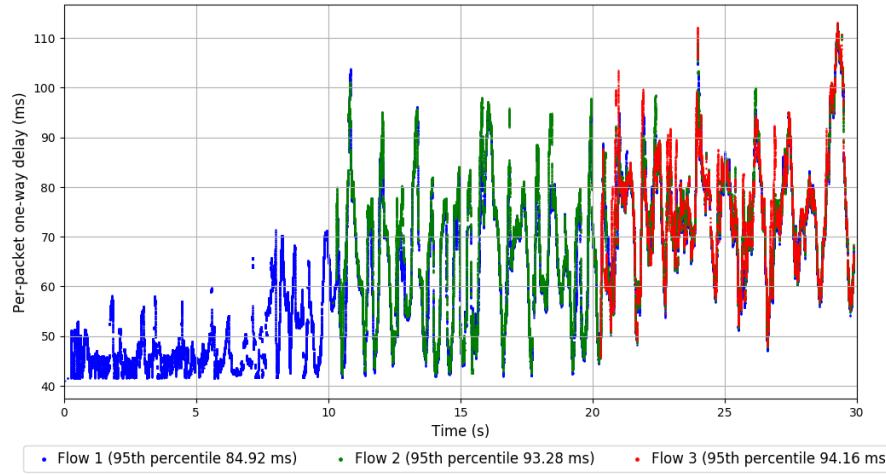
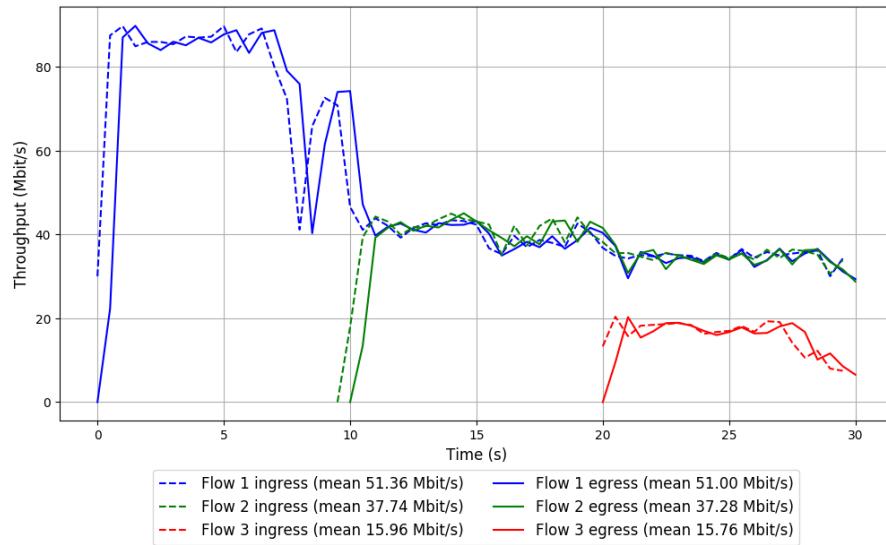


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-22 15:41:41
End at: 2018-05-22 15:42:11
Local clock offset: -31.907 ms
Remote clock offset: 0.485 ms

# Below is generated by plot.py at 2018-05-22 19:19:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.97 Mbit/s
95th percentile per-packet one-way delay: 89.608 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 51.00 Mbit/s
95th percentile per-packet one-way delay: 84.921 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 93.282 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 94.163 ms
Loss rate: 2.74%
```

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

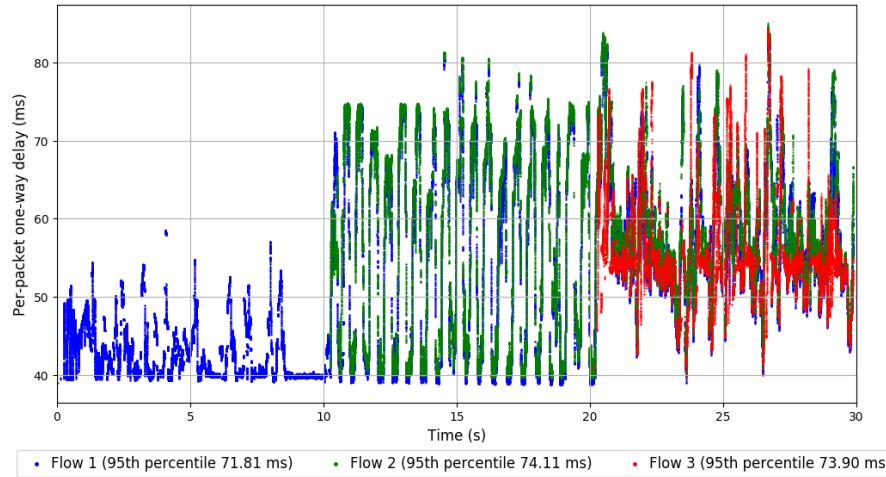
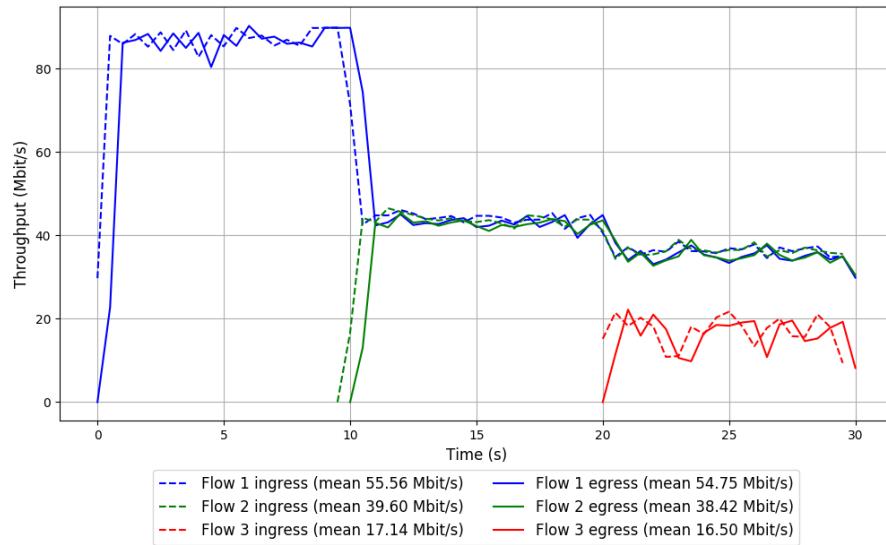


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-22 16:03:14
End at: 2018-05-22 16:03:44
Local clock offset: -31.649 ms
Remote clock offset: 0.284 ms

# Below is generated by plot.py at 2018-05-22 19:19:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.74 Mbit/s
95th percentile per-packet one-way delay: 73.052 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 54.75 Mbit/s
95th percentile per-packet one-way delay: 71.815 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 38.42 Mbit/s
95th percentile per-packet one-way delay: 74.109 ms
Loss rate: 3.51%
-- Flow 3:
Average throughput: 16.50 Mbit/s
95th percentile per-packet one-way delay: 73.902 ms
Loss rate: 4.81%
```

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

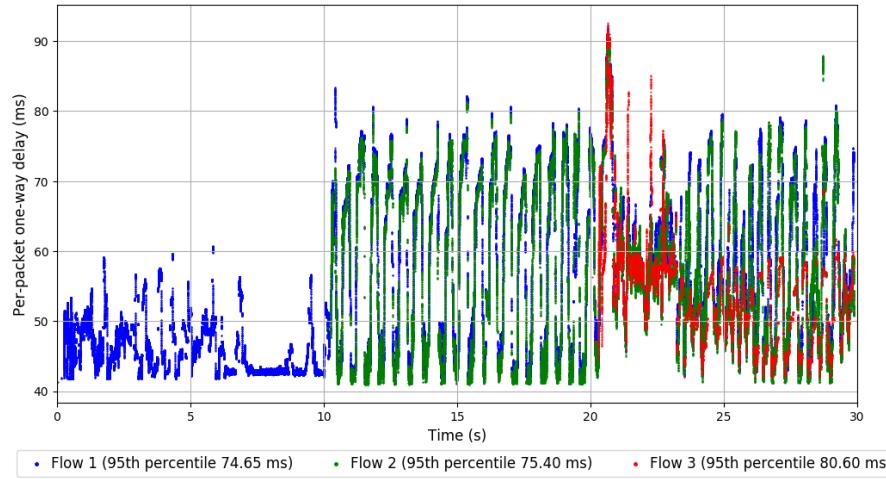
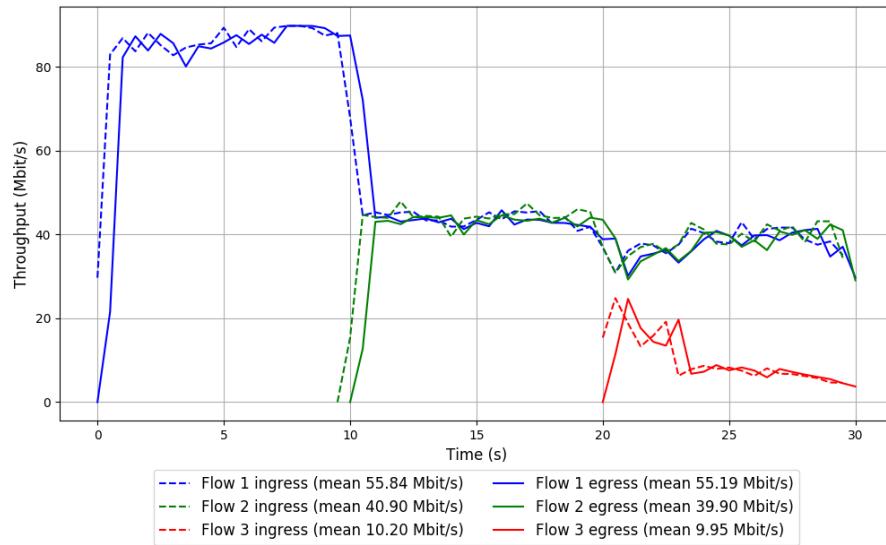


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-22 16:24:47
End at: 2018-05-22 16:25:17
Local clock offset: -29.393 ms
Remote clock offset: -4.283 ms

# Below is generated by plot.py at 2018-05-22 19:19:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 75.040 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 55.19 Mbit/s
95th percentile per-packet one-way delay: 74.648 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 75.399 ms
Loss rate: 3.01%
-- Flow 3:
Average throughput: 9.95 Mbit/s
95th percentile per-packet one-way delay: 80.599 ms
Loss rate: 3.96%
```

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

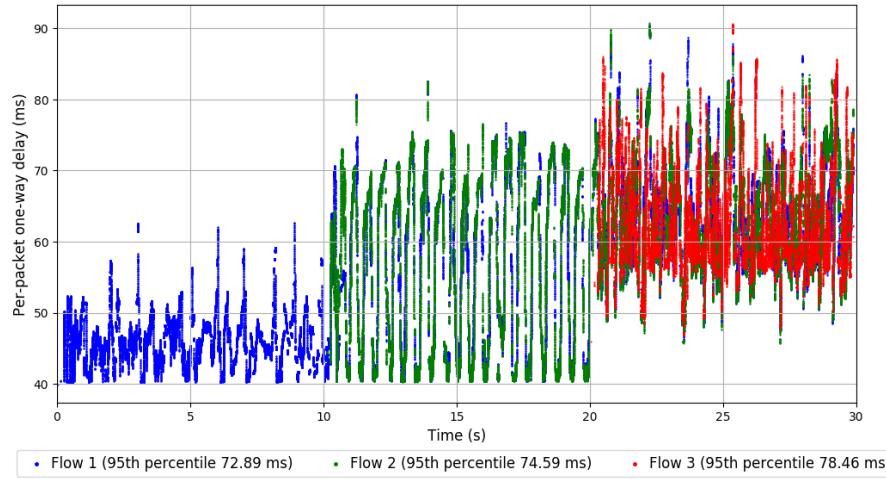
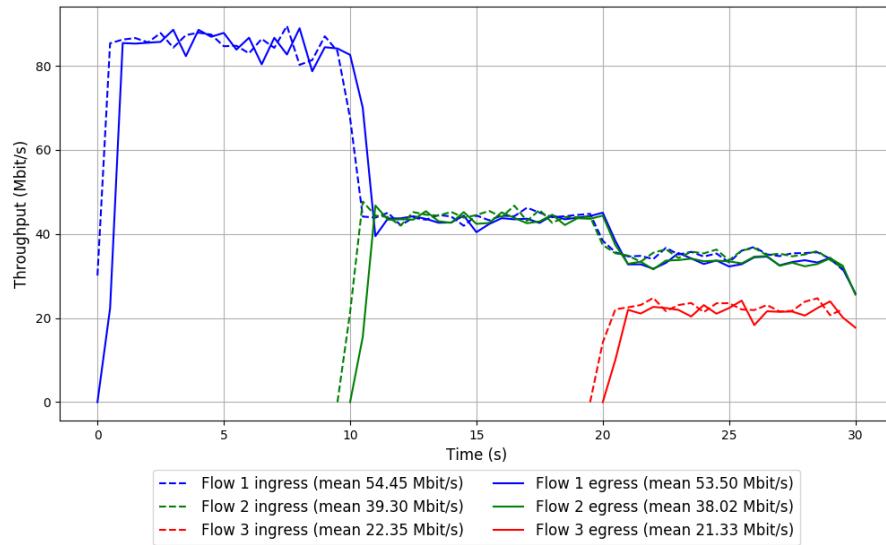


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-22 16:46:21
End at: 2018-05-22 16:46:51
Local clock offset: -13.071 ms
Remote clock offset: -2.405 ms

# Below is generated by plot.py at 2018-05-22 19:19:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 73.913 ms
Loss rate: 2.95%
-- Flow 1:
Average throughput: 53.50 Mbit/s
95th percentile per-packet one-way delay: 72.885 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 74.593 ms
Loss rate: 3.85%
-- Flow 3:
Average throughput: 21.33 Mbit/s
95th percentile per-packet one-way delay: 78.456 ms
Loss rate: 5.90%
```

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

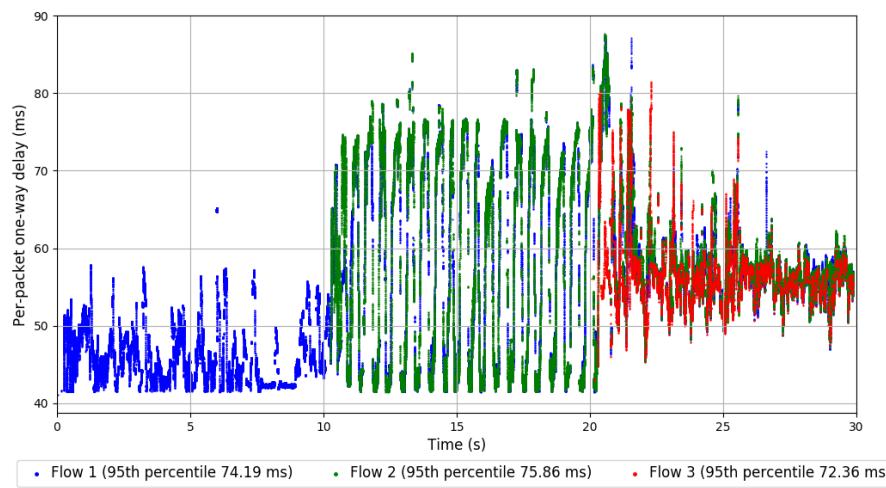
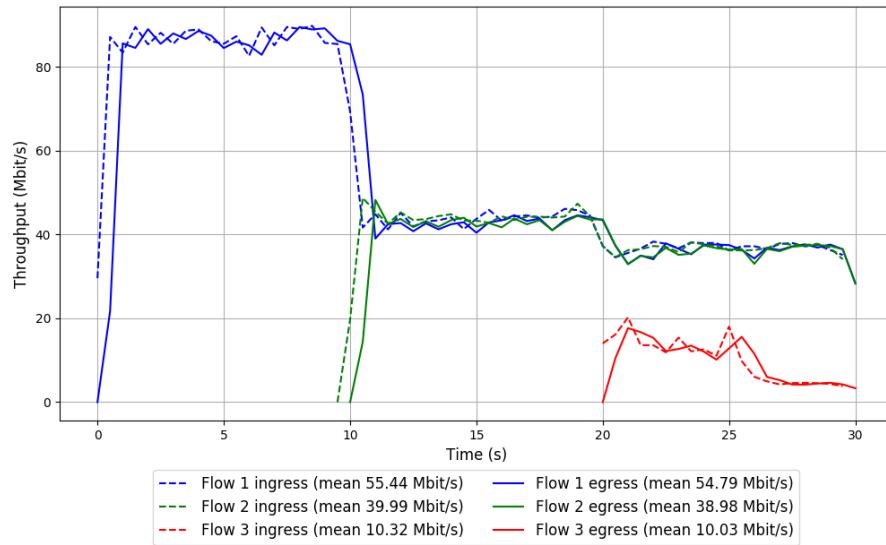


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-22 17:07:55
End at: 2018-05-22 17:08:25
Local clock offset: -8.732 ms
Remote clock offset: -0.824 ms

# Below is generated by plot.py at 2018-05-22 19:19:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.02 Mbit/s
95th percentile per-packet one-way delay: 74.934 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 54.79 Mbit/s
95th percentile per-packet one-way delay: 74.187 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 75.858 ms
Loss rate: 3.13%
-- Flow 3:
Average throughput: 10.03 Mbit/s
95th percentile per-packet one-way delay: 72.357 ms
Loss rate: 4.15%
```

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

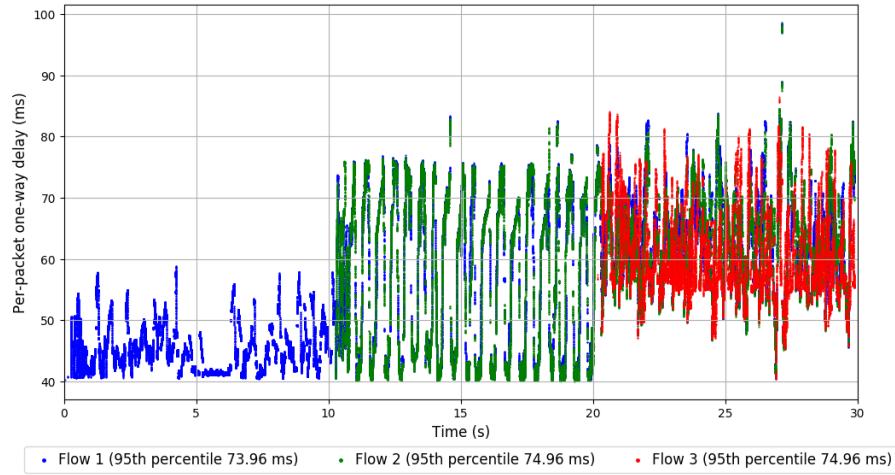
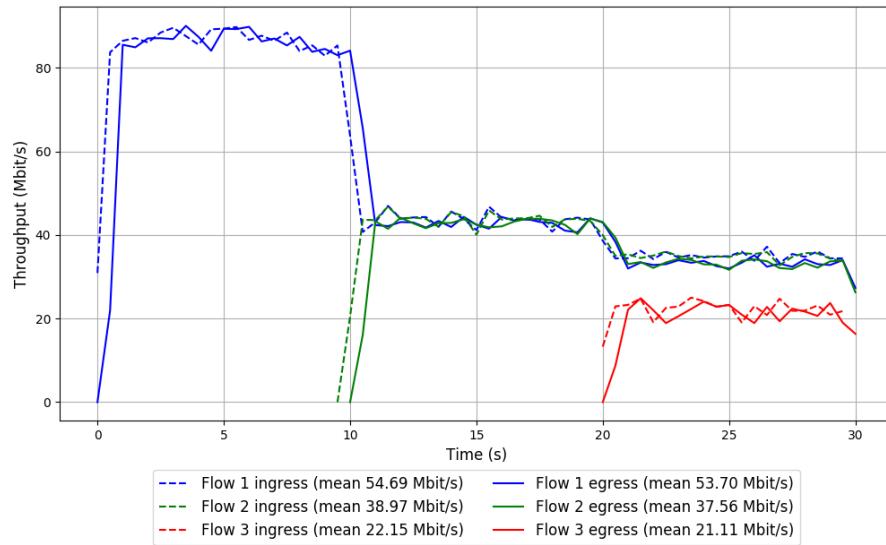


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-22 17:29:28
End at: 2018-05-22 17:29:58
Local clock offset: -7.647 ms
Remote clock offset: -0.818 ms

# Below is generated by plot.py at 2018-05-22 19:19:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 74.518 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 53.70 Mbit/s
95th percentile per-packet one-way delay: 73.956 ms
Loss rate: 2.20%
-- Flow 2:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 74.959 ms
Loss rate: 4.19%
-- Flow 3:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 74.957 ms
Loss rate: 5.87%
```

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

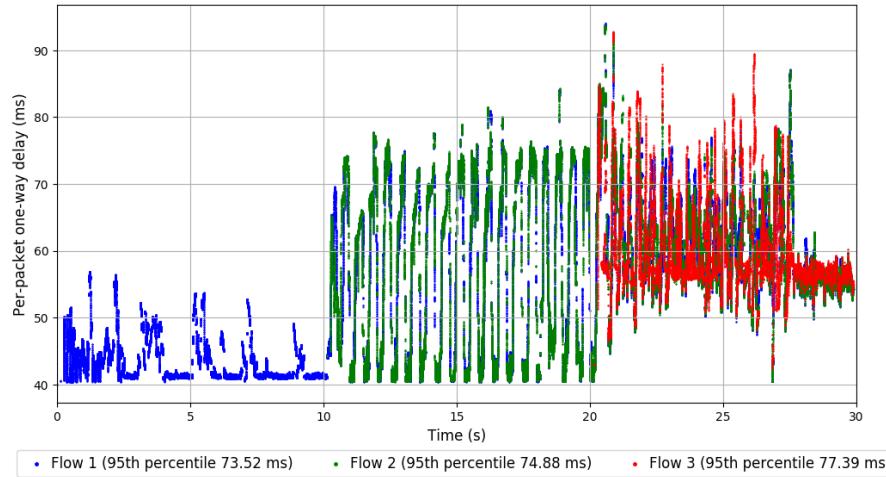
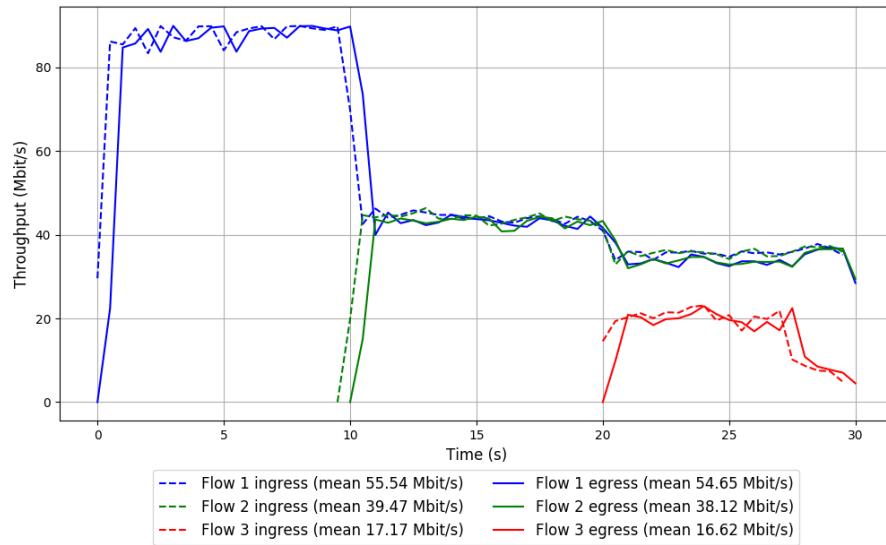


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-22 17:51:02
End at: 2018-05-22 17:51:32
Local clock offset: -0.547 ms
Remote clock offset: -0.605 ms

# Below is generated by plot.py at 2018-05-22 19:19:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.49 Mbit/s
95th percentile per-packet one-way delay: 74.370 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 54.65 Mbit/s
95th percentile per-packet one-way delay: 73.516 ms
Loss rate: 1.99%
-- Flow 2:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 74.876 ms
Loss rate: 4.02%
-- Flow 3:
Average throughput: 16.62 Mbit/s
95th percentile per-packet one-way delay: 77.390 ms
Loss rate: 4.38%
```

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

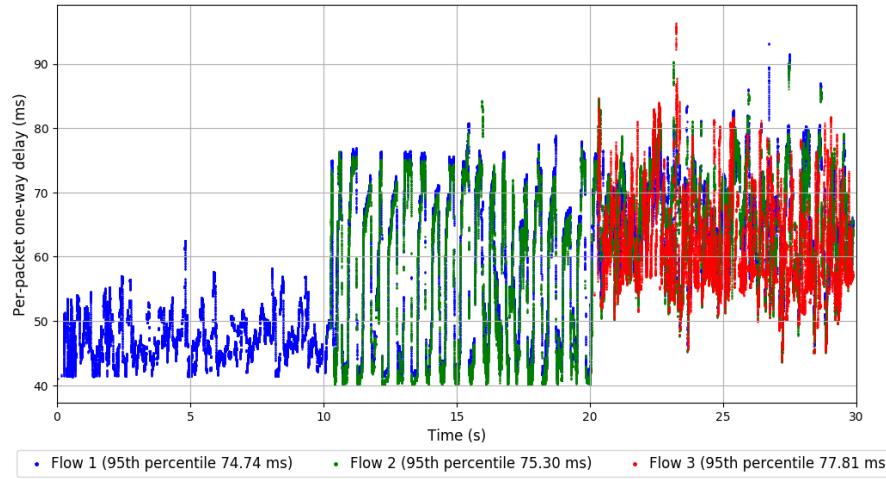
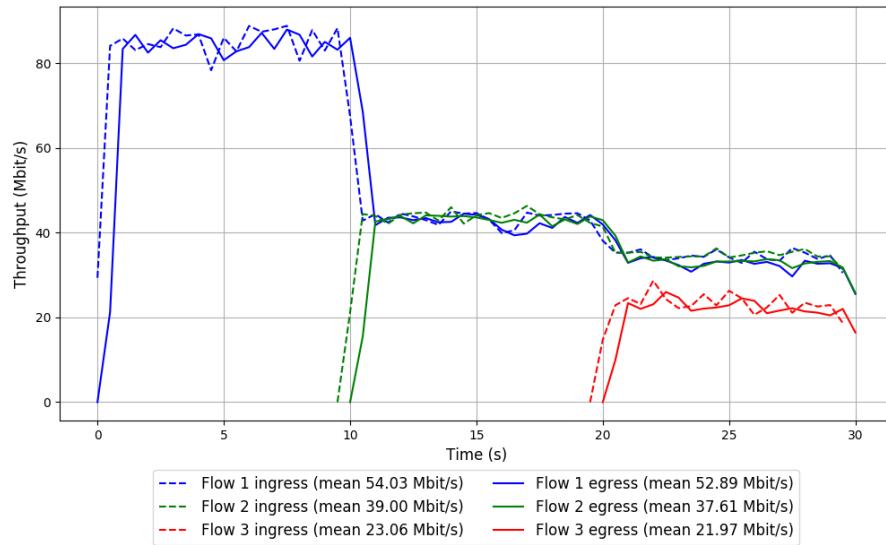


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-22 18:12:34
End at: 2018-05-22 18:13:04
Local clock offset: -2.599 ms
Remote clock offset: -0.324 ms

# Below is generated by plot.py at 2018-05-22 19:19:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.18 Mbit/s
95th percentile per-packet one-way delay: 75.086 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 74.741 ms
Loss rate: 2.48%
-- Flow 2:
Average throughput: 37.61 Mbit/s
95th percentile per-packet one-way delay: 75.297 ms
Loss rate: 4.14%
-- Flow 3:
Average throughput: 21.97 Mbit/s
95th percentile per-packet one-way delay: 77.806 ms
Loss rate: 5.81%
```

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

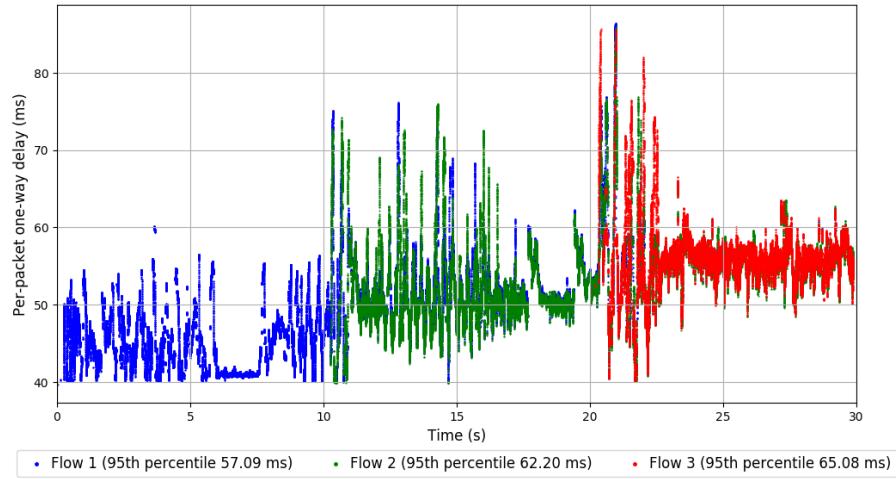
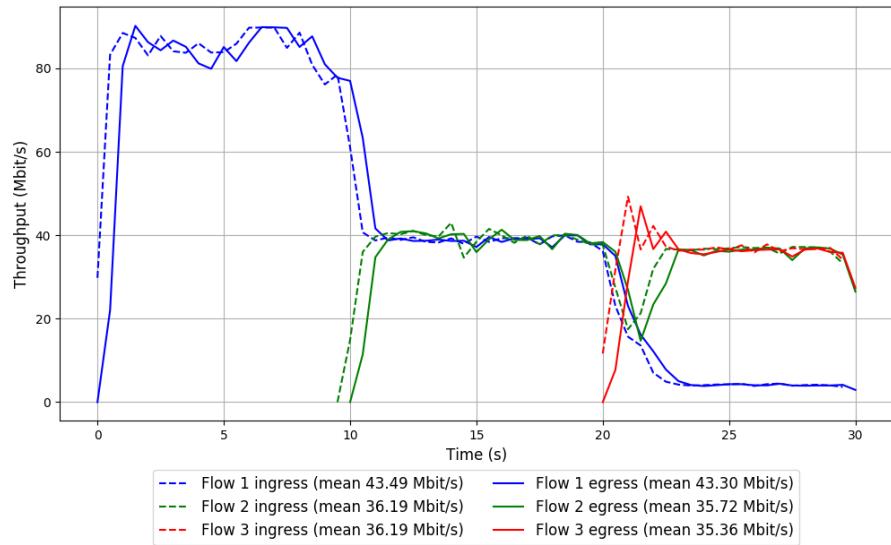


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-22 18:34:07
End at: 2018-05-22 18:34:37
Local clock offset: -0.809 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-05-22 19:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.70 Mbit/s
95th percentile per-packet one-way delay: 59.445 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 43.30 Mbit/s
95th percentile per-packet one-way delay: 57.086 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 62.200 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 65.077 ms
Loss rate: 3.58%
```

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

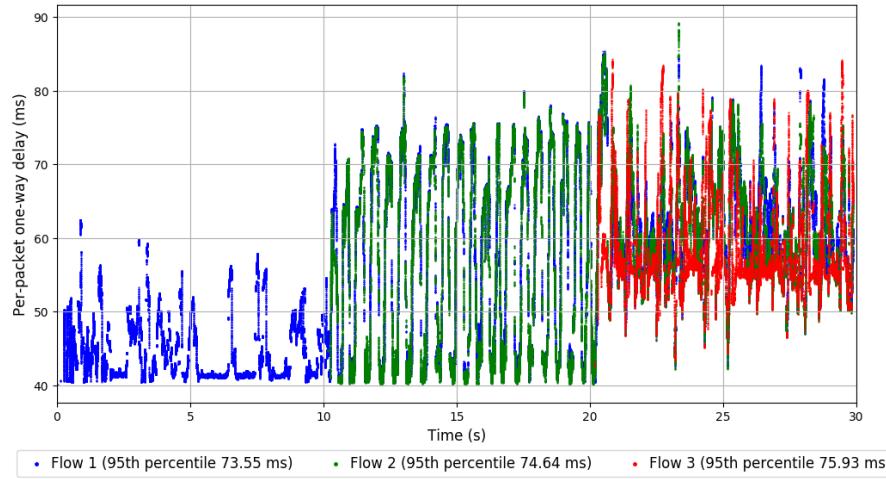
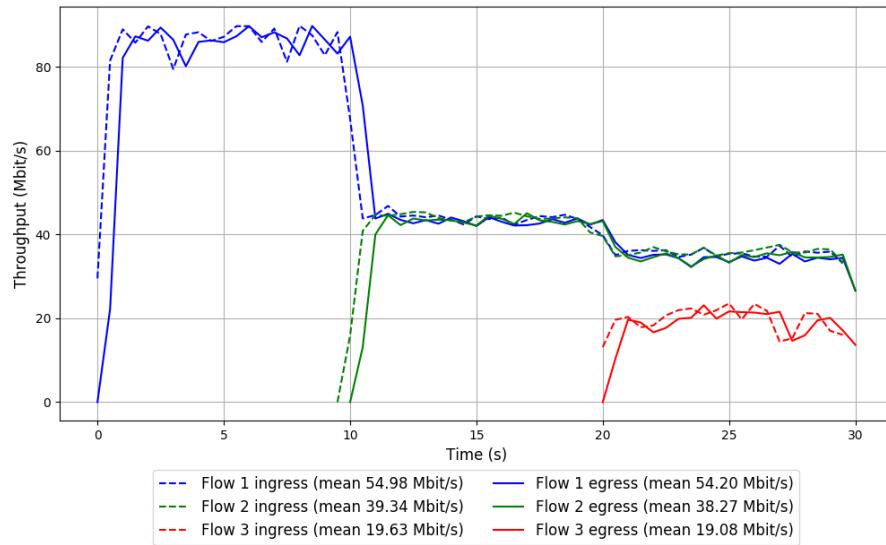


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-22 18:55:41
End at: 2018-05-22 18:56:11
Local clock offset: 1.051 ms
Remote clock offset: 0.064 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.92 Mbit/s
95th percentile per-packet one-way delay: 74.143 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 73.554 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 38.27 Mbit/s
95th percentile per-packet one-way delay: 74.635 ms
Loss rate: 3.33%
-- Flow 3:
Average throughput: 19.08 Mbit/s
95th percentile per-packet one-way delay: 75.932 ms
Loss rate: 4.14%
```

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

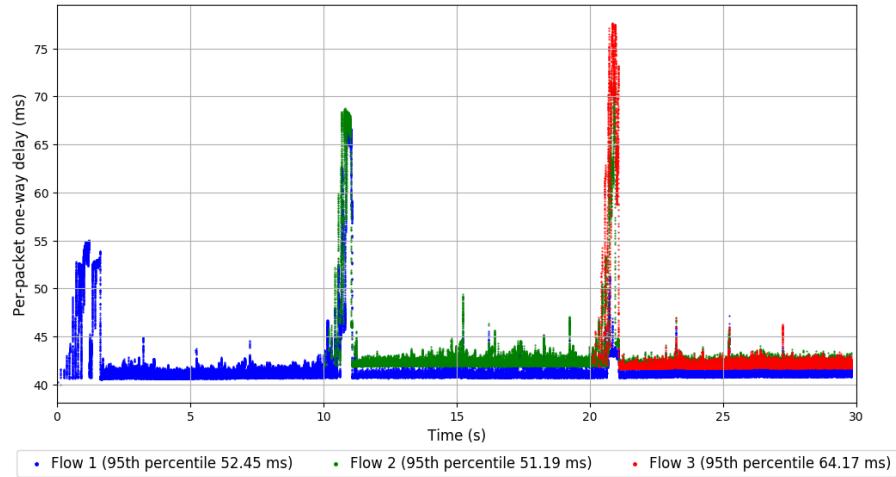
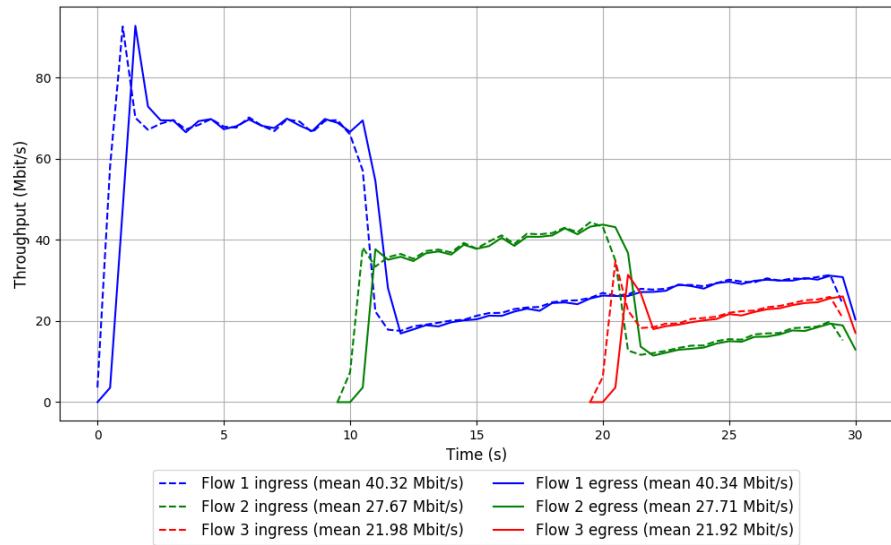


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-22 15:30:53
End at: 2018-05-22 15:31:23
Local clock offset: -19.451 ms
Remote clock offset: 1.983 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.05 Mbit/s
95th percentile per-packet one-way delay: 52.558 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 52.448 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 27.71 Mbit/s
95th percentile per-packet one-way delay: 51.188 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 21.92 Mbit/s
95th percentile per-packet one-way delay: 64.172 ms
Loss rate: 1.33%
```

Run 1: Report of TCP Vegas — Data Link

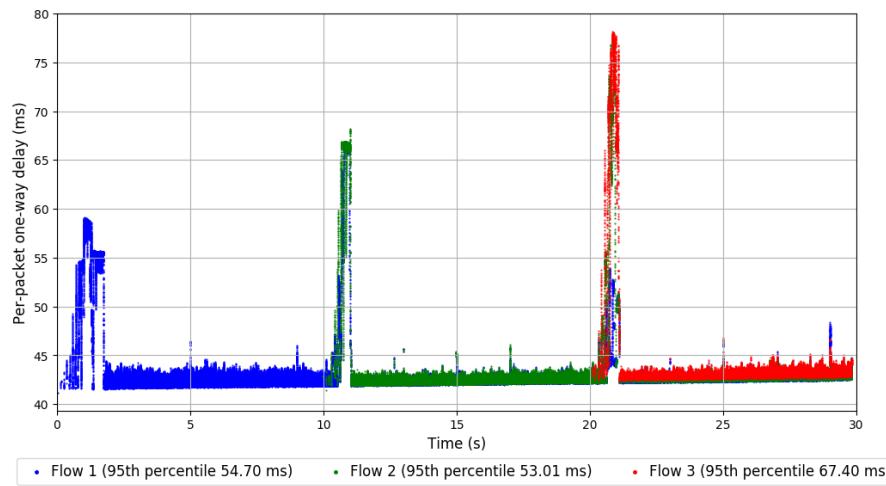
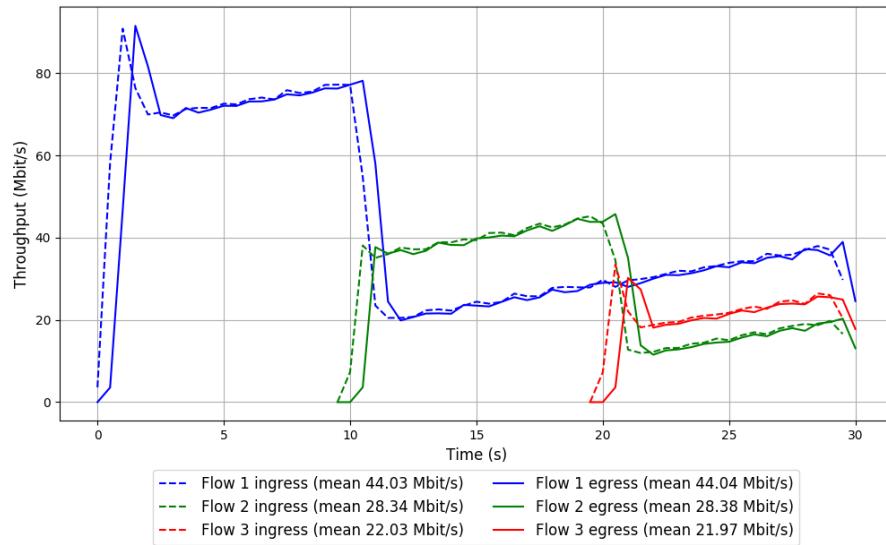


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-22 15:52:27
End at: 2018-05-22 15:52:57
Local clock offset: -50.736 ms
Remote clock offset: 0.112 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.19 Mbit/s
95th percentile per-packet one-way delay: 54.853 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 44.04 Mbit/s
95th percentile per-packet one-way delay: 54.704 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 53.008 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 21.97 Mbit/s
95th percentile per-packet one-way delay: 67.397 ms
Loss rate: 1.33%
```

Run 2: Report of TCP Vegas — Data Link

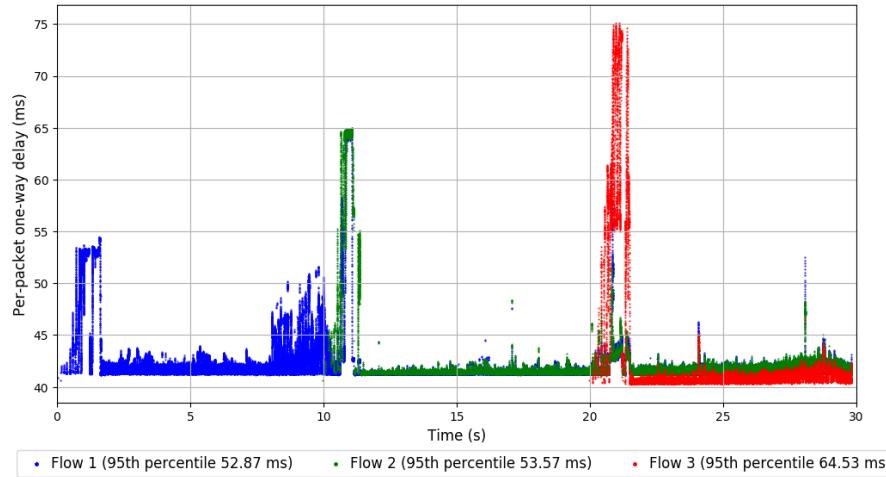
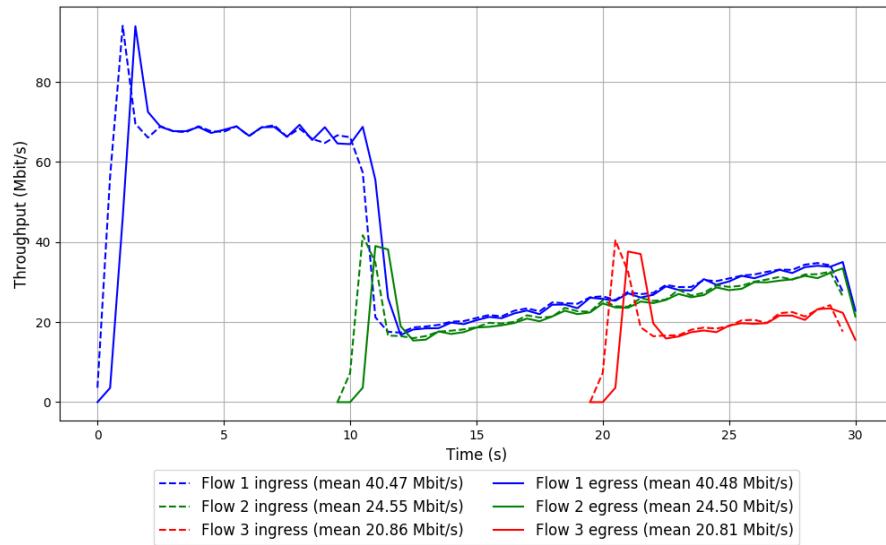


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-22 16:14:00
End at: 2018-05-22 16:14:30
Local clock offset: -23.369 ms
Remote clock offset: -2.865 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.68 Mbit/s
95th percentile per-packet one-way delay: 53.071 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 52.867 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 53.573 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 64.525 ms
Loss rate: 1.28%
```

Run 3: Report of TCP Vegas — Data Link

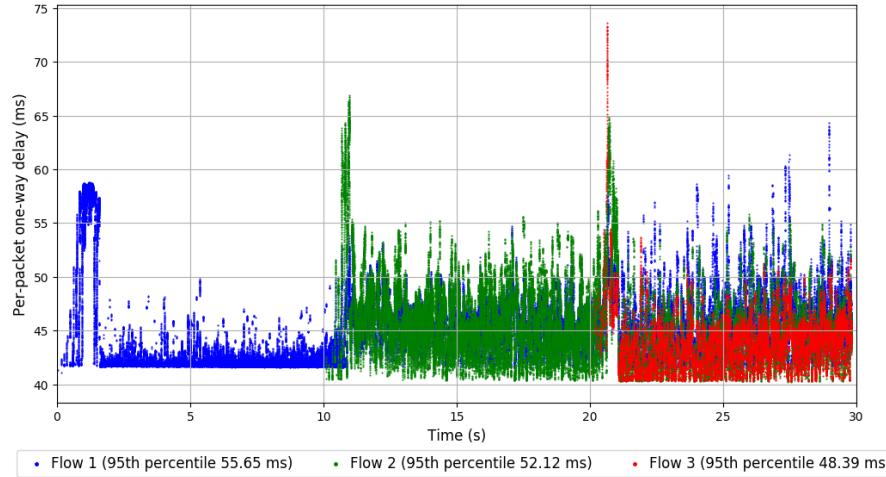
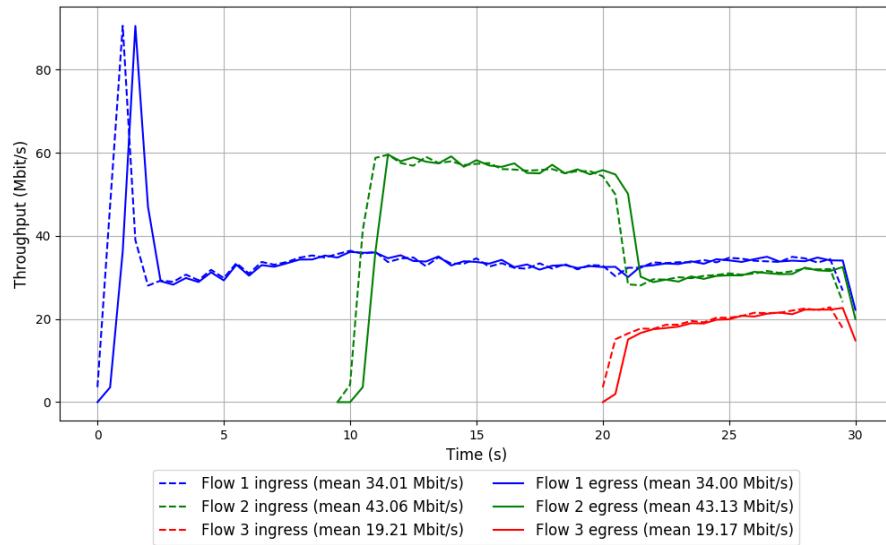


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-22 16:35:33
End at: 2018-05-22 16:36:03
Local clock offset: -14.621 ms
Remote clock offset: -4.54 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.01 Mbit/s
95th percentile per-packet one-way delay: 52.911 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 34.00 Mbit/s
95th percentile per-packet one-way delay: 55.646 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 43.13 Mbit/s
95th percentile per-packet one-way delay: 52.116 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 19.17 Mbit/s
95th percentile per-packet one-way delay: 48.387 ms
Loss rate: 1.35%
```

Run 4: Report of TCP Vegas — Data Link

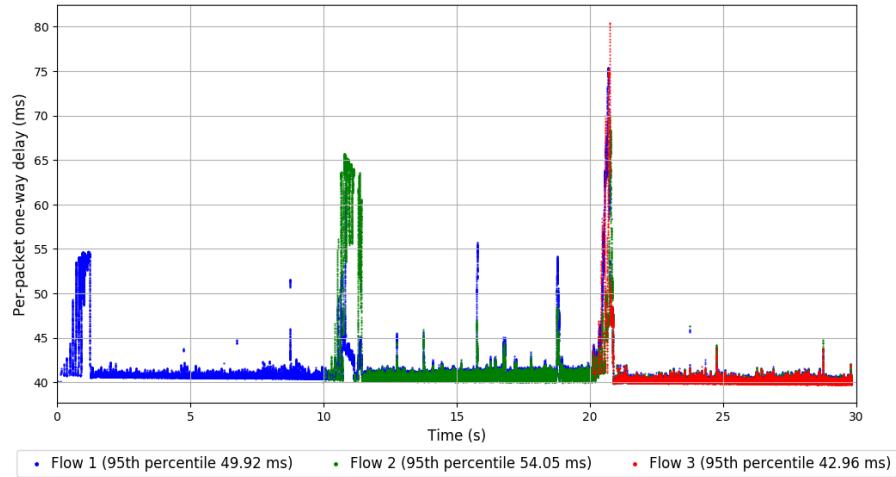
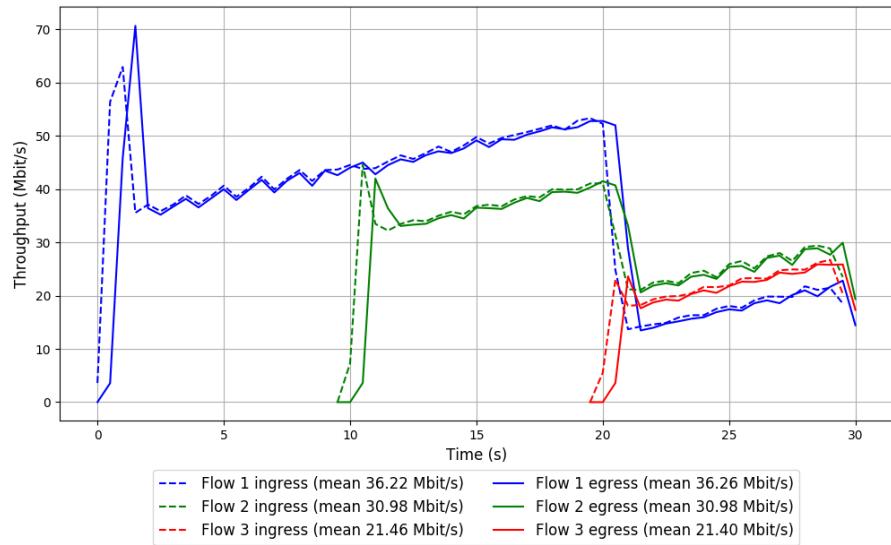


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-22 16:57:07
End at: 2018-05-22 16:57:37
Local clock offset: -16.033 ms
Remote clock offset: -1.16 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.97 Mbit/s
95th percentile per-packet one-way delay: 49.854 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 36.26 Mbit/s
95th percentile per-packet one-way delay: 49.923 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 54.048 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 21.40 Mbit/s
95th percentile per-packet one-way delay: 42.962 ms
Loss rate: 1.36%
```

Run 5: Report of TCP Vegas — Data Link

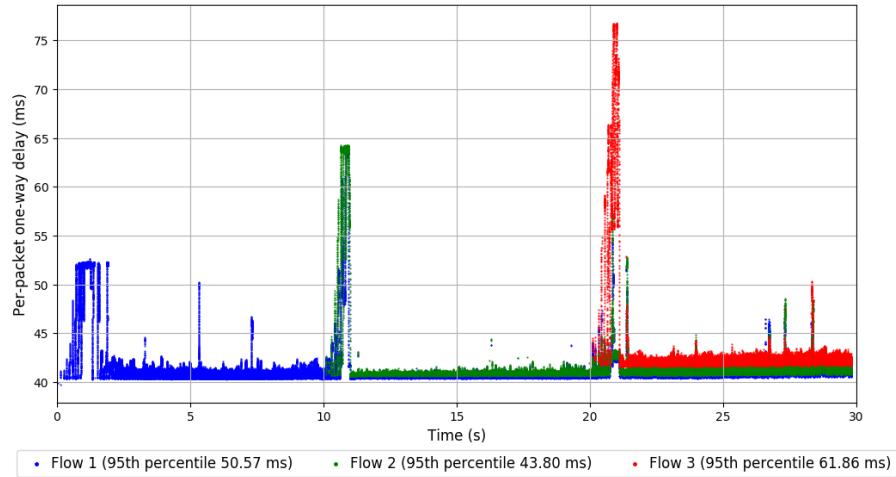
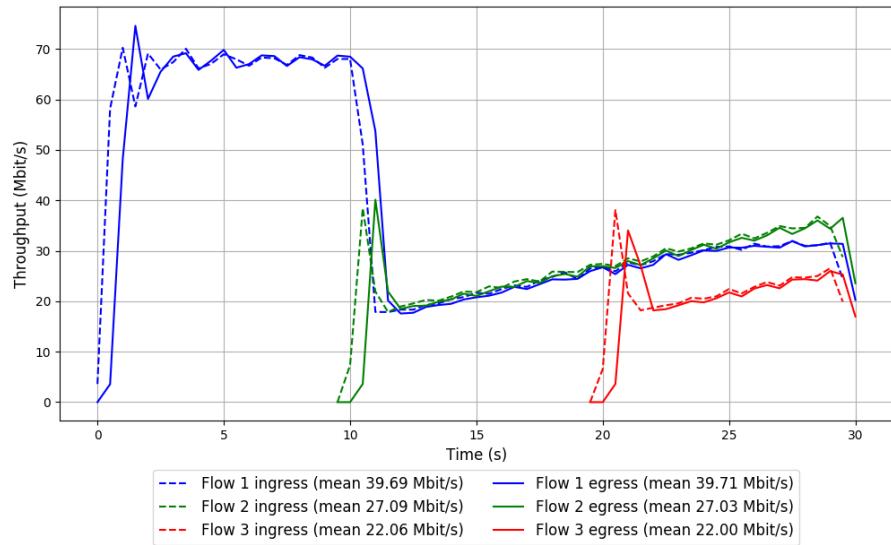


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-22 17:18:41
End at: 2018-05-22 17:19:11
Local clock offset: -9.508 ms
Remote clock offset: -0.72 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.98 Mbit/s
95th percentile per-packet one-way delay: 50.482 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 50.571 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 27.03 Mbit/s
95th percentile per-packet one-way delay: 43.795 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 22.00 Mbit/s
95th percentile per-packet one-way delay: 61.861 ms
Loss rate: 1.32%
```

Run 6: Report of TCP Vegas — Data Link

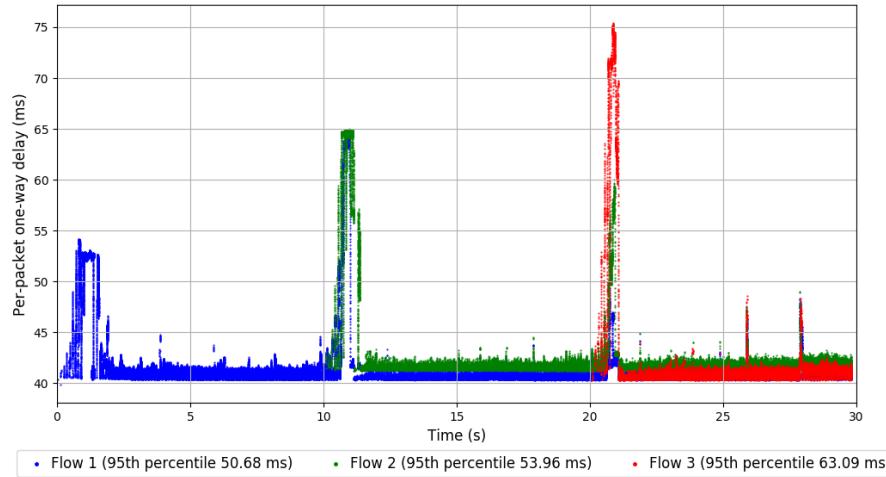
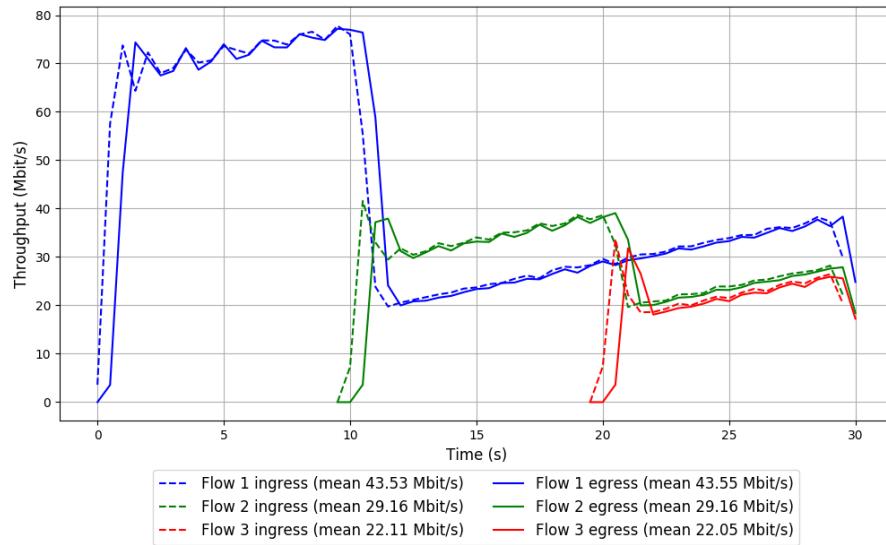


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-22 17:40:14
End at: 2018-05-22 17:40:44
Local clock offset: -1.187 ms
Remote clock offset: -0.848 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.25 Mbit/s
95th percentile per-packet one-way delay: 52.104 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 43.55 Mbit/s
95th percentile per-packet one-way delay: 50.677 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 29.16 Mbit/s
95th percentile per-packet one-way delay: 53.957 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 22.05 Mbit/s
95th percentile per-packet one-way delay: 63.086 ms
Loss rate: 1.32%
```

Run 7: Report of TCP Vegas — Data Link

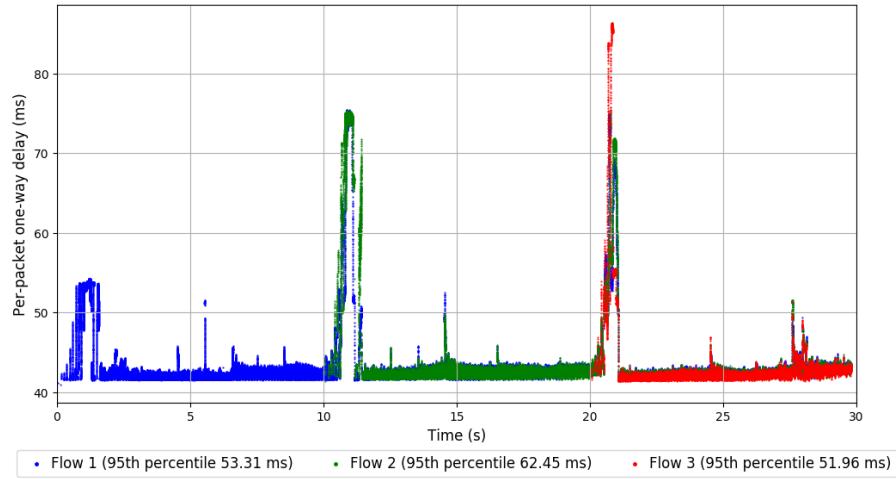
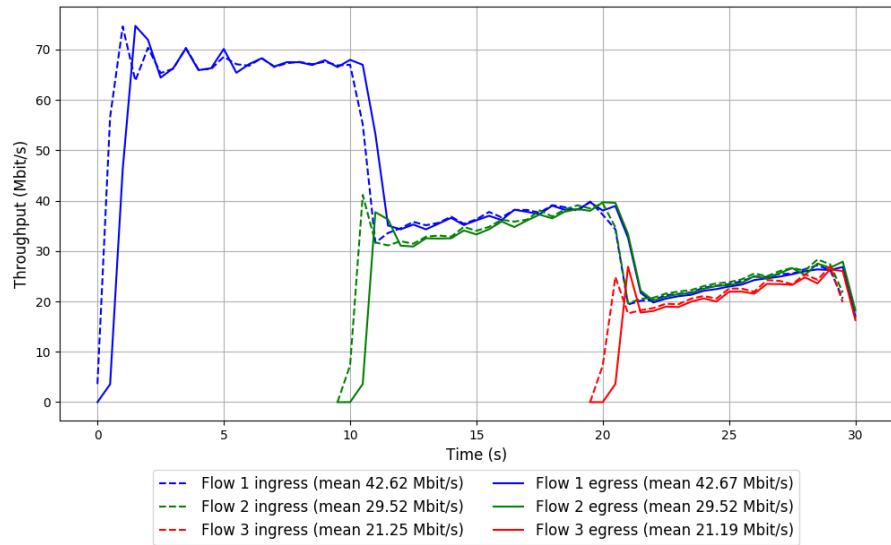


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-22 18:01:47
End at: 2018-05-22 18:02:17
Local clock offset: -1.152 ms
Remote clock offset: -0.367 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.36 Mbit/s
95th percentile per-packet one-way delay: 53.538 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 42.67 Mbit/s
95th percentile per-packet one-way delay: 53.314 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 29.52 Mbit/s
95th percentile per-packet one-way delay: 62.445 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 51.958 ms
Loss rate: 1.34%
```

Run 8: Report of TCP Vegas — Data Link

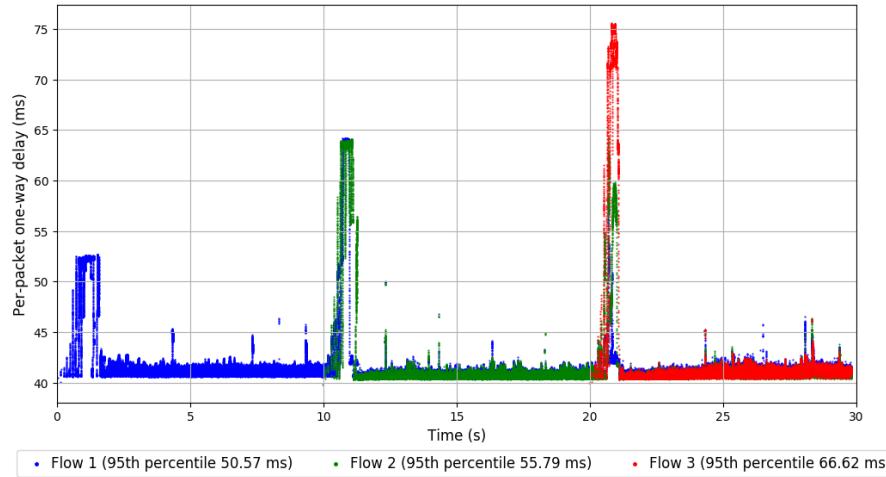
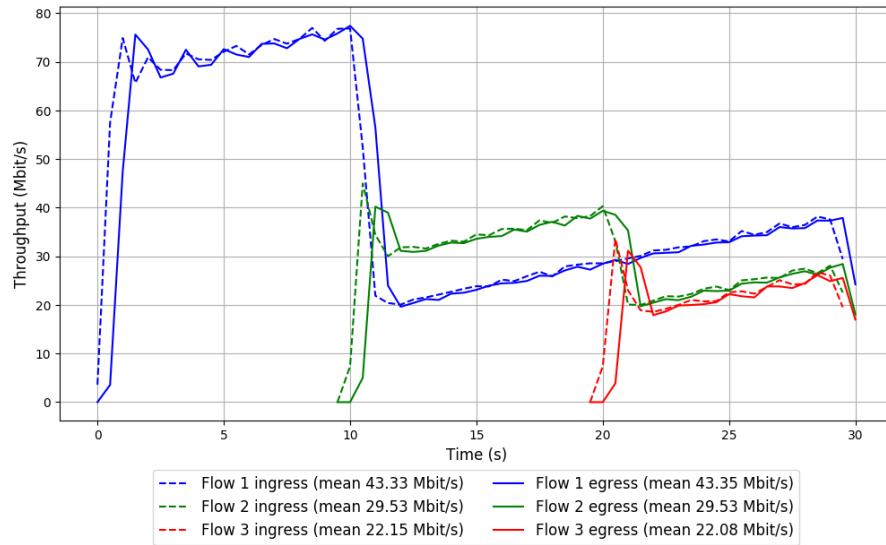


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-22 18:23:20
End at: 2018-05-22 18:23:50
Local clock offset: -3.823 ms
Remote clock offset: -0.22 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.33 Mbit/s
95th percentile per-packet one-way delay: 51.981 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 43.35 Mbit/s
95th percentile per-packet one-way delay: 50.574 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: 55.791 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 22.08 Mbit/s
95th percentile per-packet one-way delay: 66.623 ms
Loss rate: 1.32%
```

Run 9: Report of TCP Vegas — Data Link

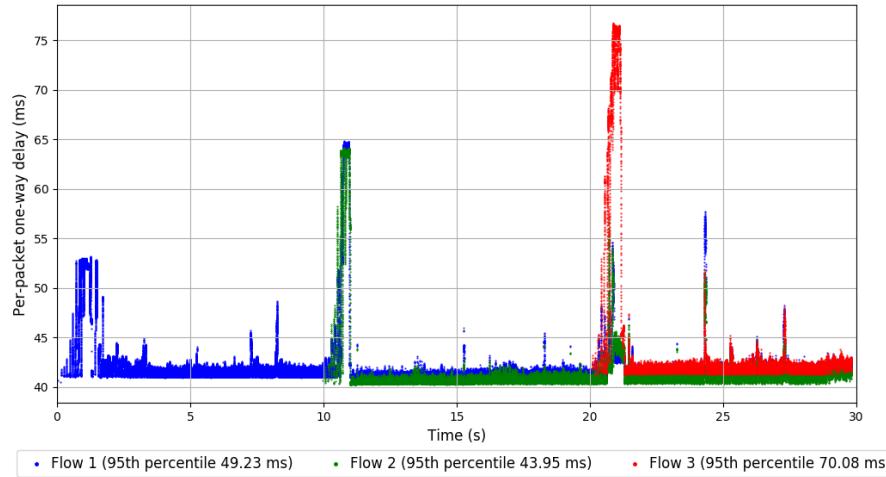
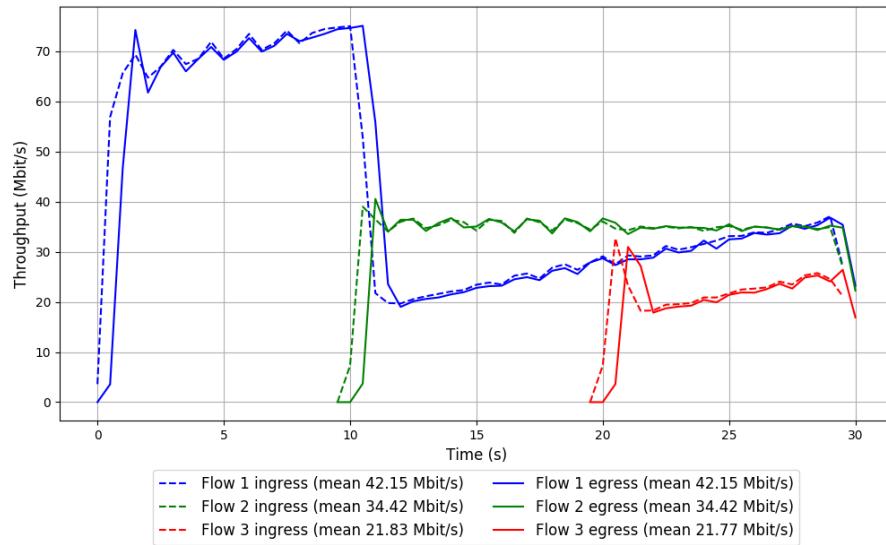


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-22 18:44:53
End at: 2018-05-22 18:45:23
Local clock offset: 0.74 ms
Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.28 Mbit/s
95th percentile per-packet one-way delay: 48.627 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 42.15 Mbit/s
95th percentile per-packet one-way delay: 49.226 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 34.42 Mbit/s
95th percentile per-packet one-way delay: 43.952 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 21.77 Mbit/s
95th percentile per-packet one-way delay: 70.084 ms
Loss rate: 1.34%
```

Run 10: Report of TCP Vegas — Data Link

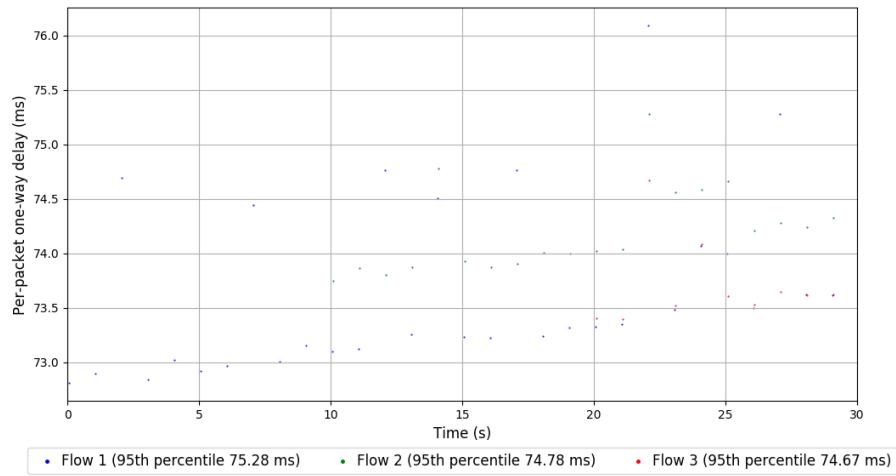
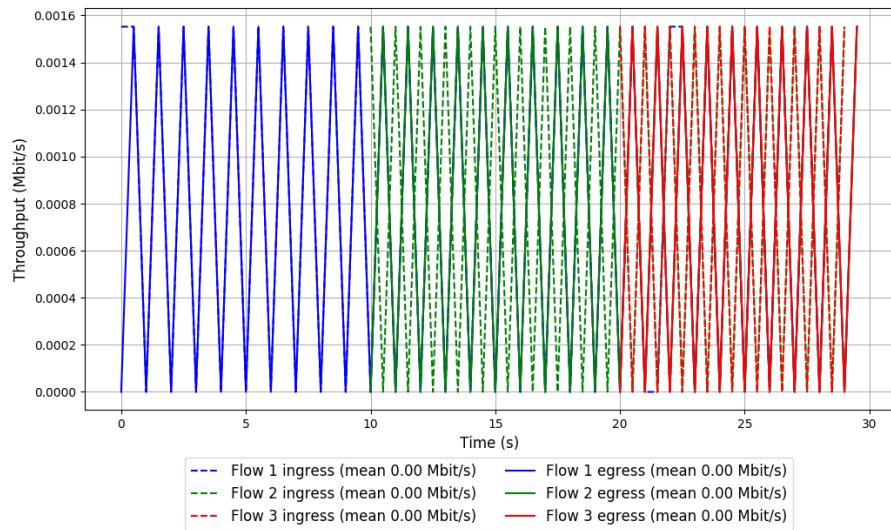


Run 1: Statistics of Verus

```
Start at: 2018-05-22 15:44:23
End at: 2018-05-22 15:44:53
Local clock offset: -36.068 ms
Remote clock offset: -31.252 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 74.782 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 75.275 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 74.782 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 74.667 ms
Loss rate: 0.00%
```

Run 1: Report of Verus — Data Link

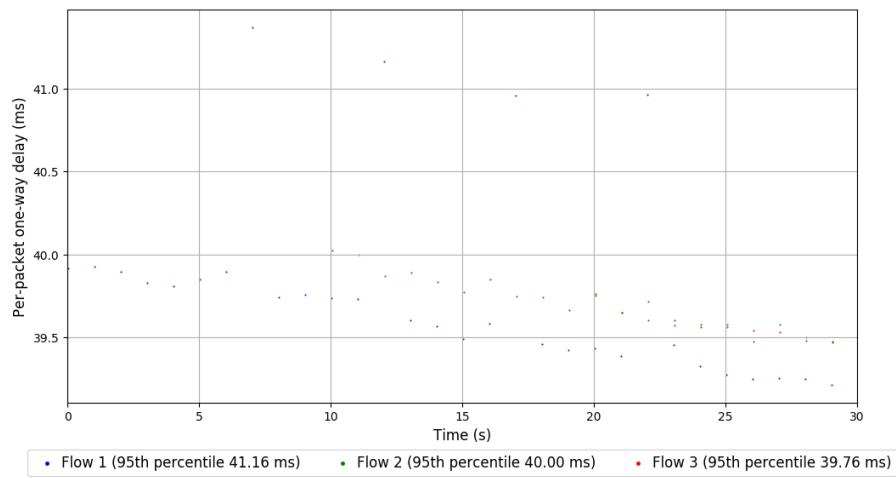
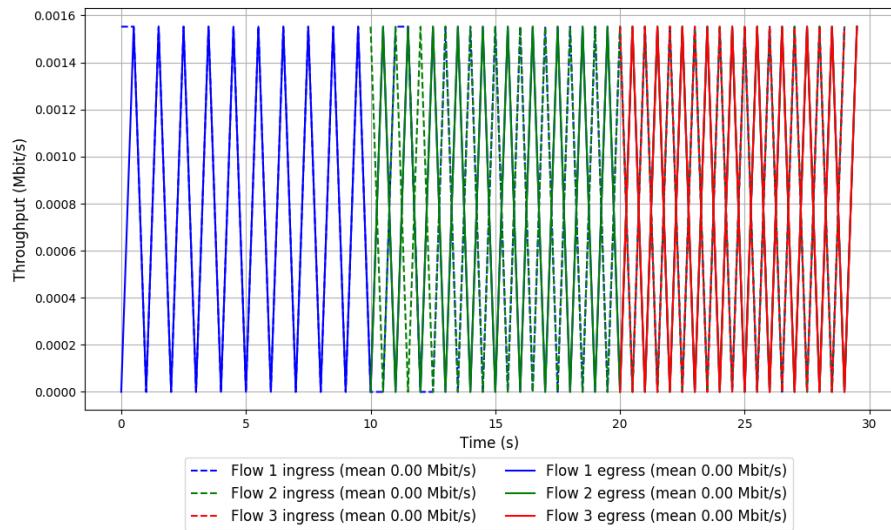


Run 2: Statistics of Verus

```
Start at: 2018-05-22 16:05:57
End at: 2018-05-22 16:06:27
Local clock offset: -27.135 ms
Remote clock offset: -0.697 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 40.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 41.164 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 39.999 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 39.762 ms
Loss rate: 0.00%
```

Run 2: Report of Verus — Data Link

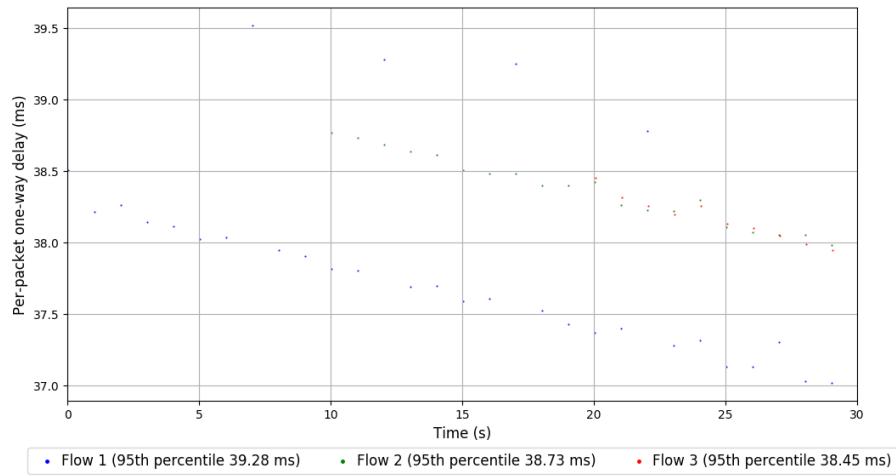
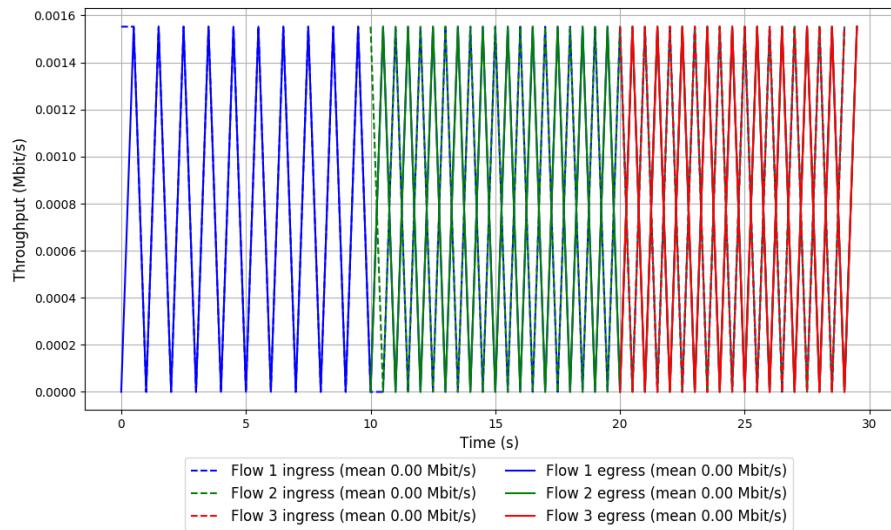


Run 3: Statistics of Verus

```
Start at: 2018-05-22 16:27:30
End at: 2018-05-22 16:28:00
Local clock offset: -28.02 ms
Remote clock offset: -4.532 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 38.781 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 39.283 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 38.733 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 38.452 ms
Loss rate: 0.00%
```

Run 3: Report of Verus — Data Link

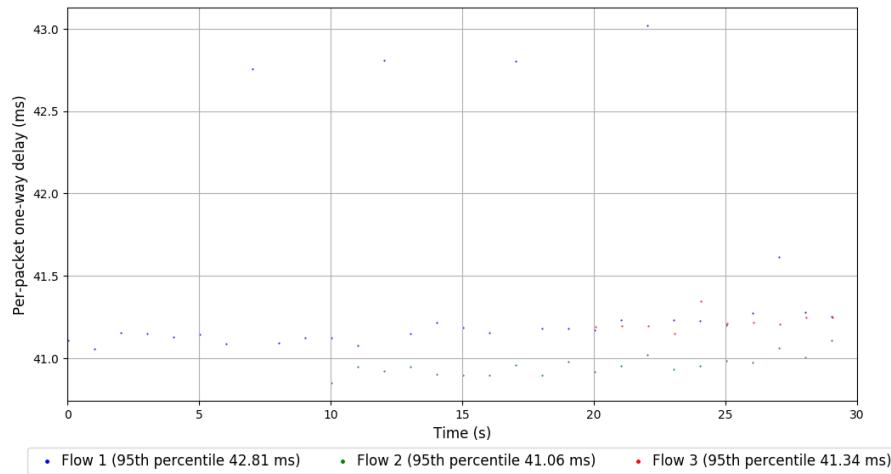
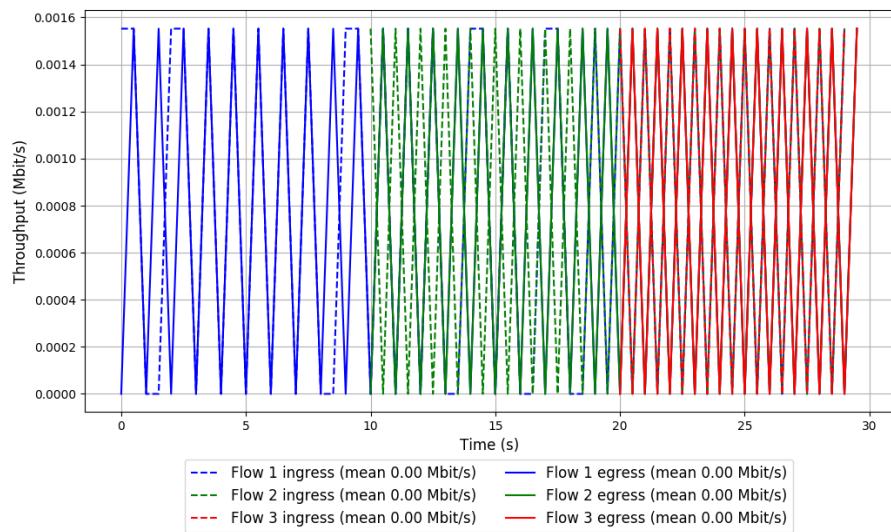


Run 4: Statistics of Verus

```
Start at: 2018-05-22 16:49:04
End at: 2018-05-22 16:49:34
Local clock offset: -13.762 ms
Remote clock offset: -1.938 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 42.756 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 42.809 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 41.060 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 41.344 ms
Loss rate: 0.00%
```

Run 4: Report of Verus — Data Link

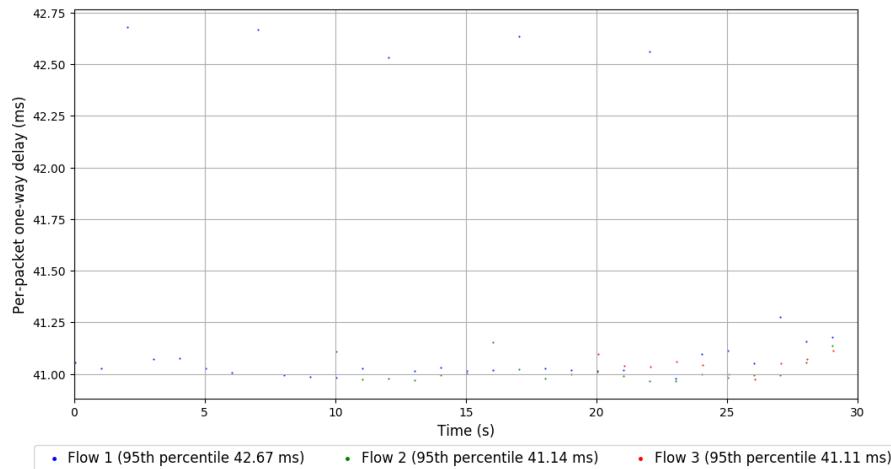
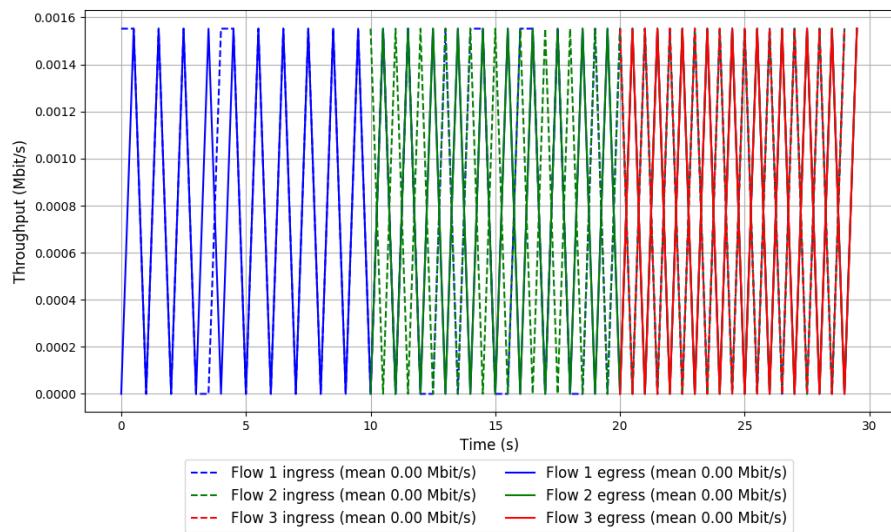


Run 5: Statistics of Verus

```
Start at: 2018-05-22 17:10:37
End at: 2018-05-22 17:11:07
Local clock offset: -8.544 ms
Remote clock offset: -0.778 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 42.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 42.667 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 41.138 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 41.112 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link

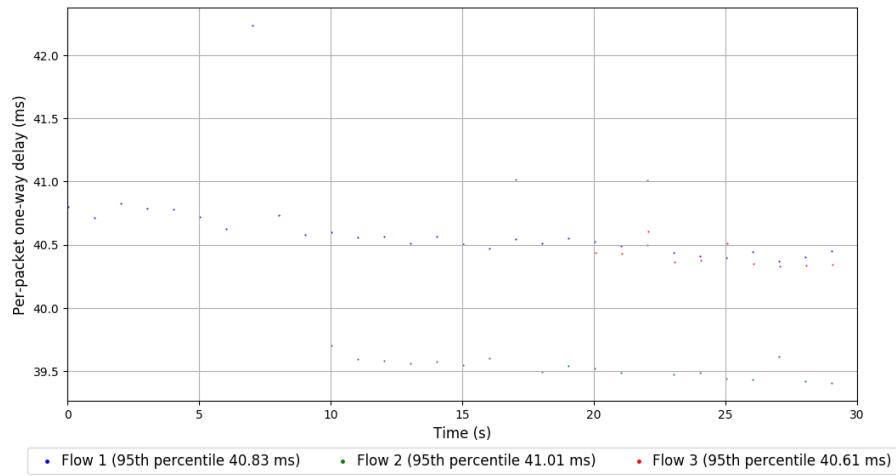
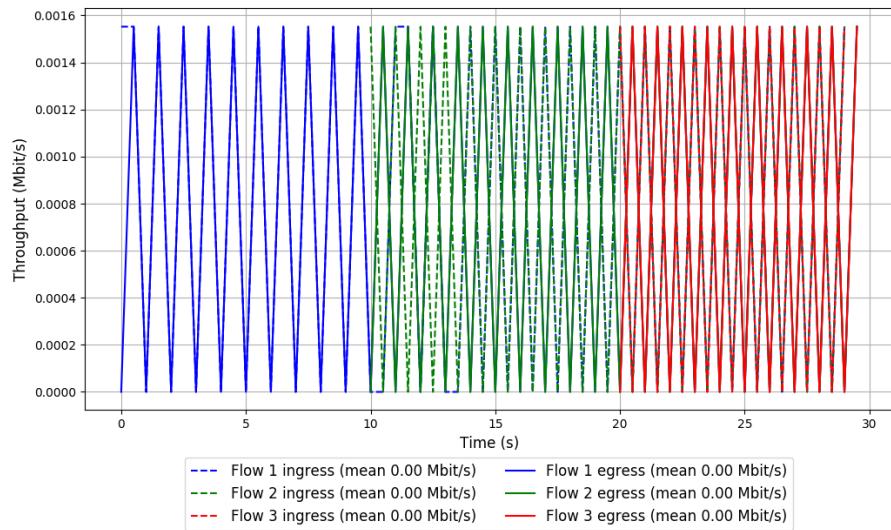


Run 6: Statistics of Verus

```
Start at: 2018-05-22 17:32:11
End at: 2018-05-22 17:32:41
Local clock offset: -4.765 ms
Remote clock offset: -0.937 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 40.825 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 40.825 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 41.013 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 40.608 ms
Loss rate: 0.00%
```

Run 6: Report of Verus — Data Link

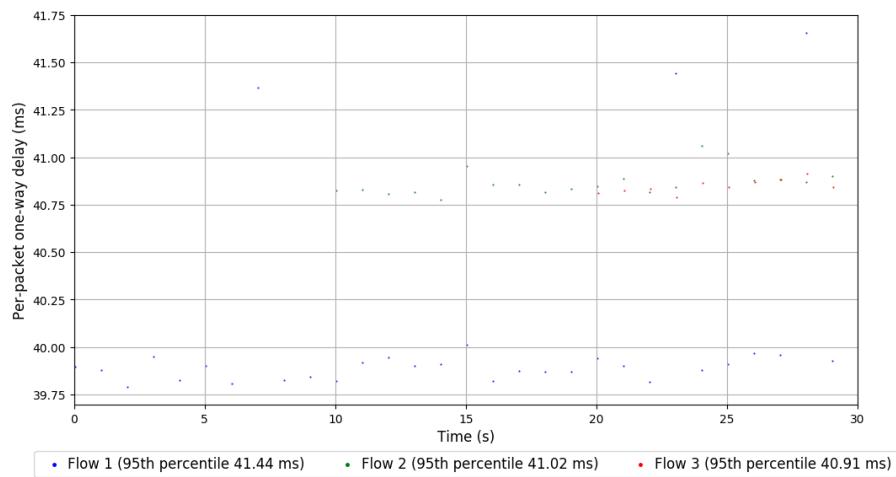
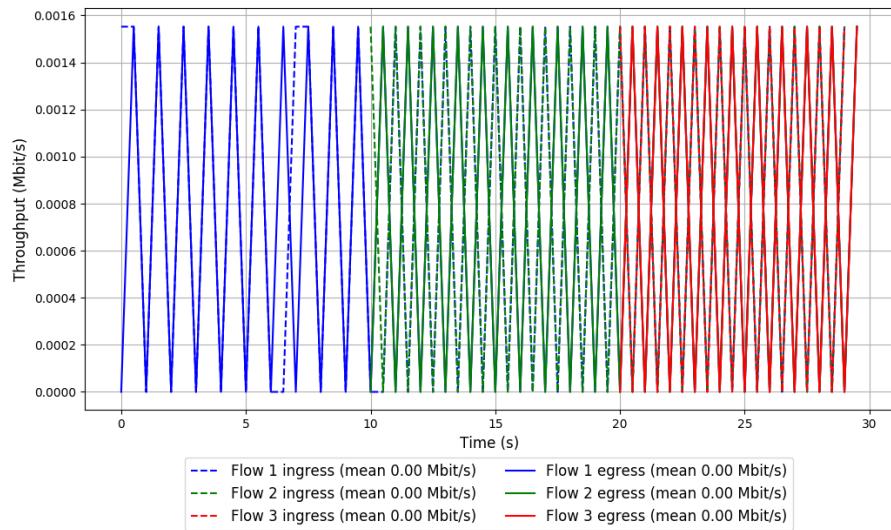


Run 7: Statistics of Verus

```
Start at: 2018-05-22 17:53:45
End at: 2018-05-22 17:54:15
Local clock offset: -0.451 ms
Remote clock offset: -0.534 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 41.061 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 41.443 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 41.021 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 40.913 ms
Loss rate: 0.00%
```

Run 7: Report of Verus — Data Link

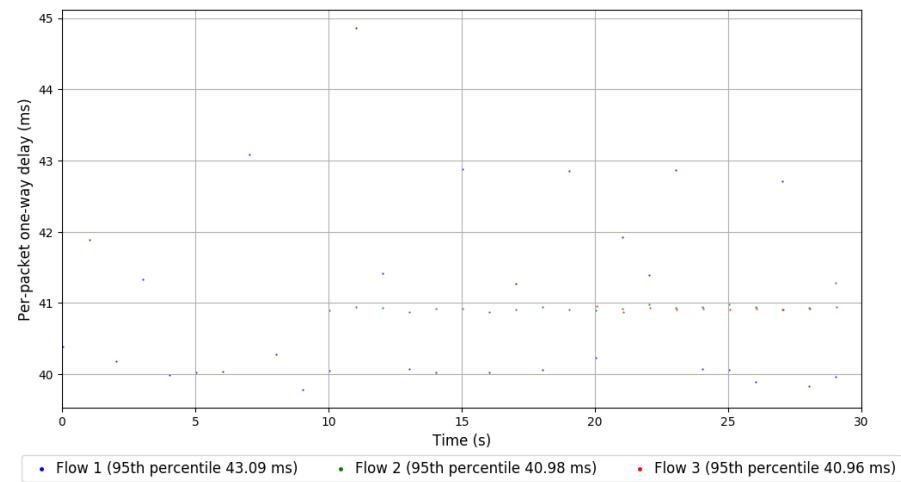
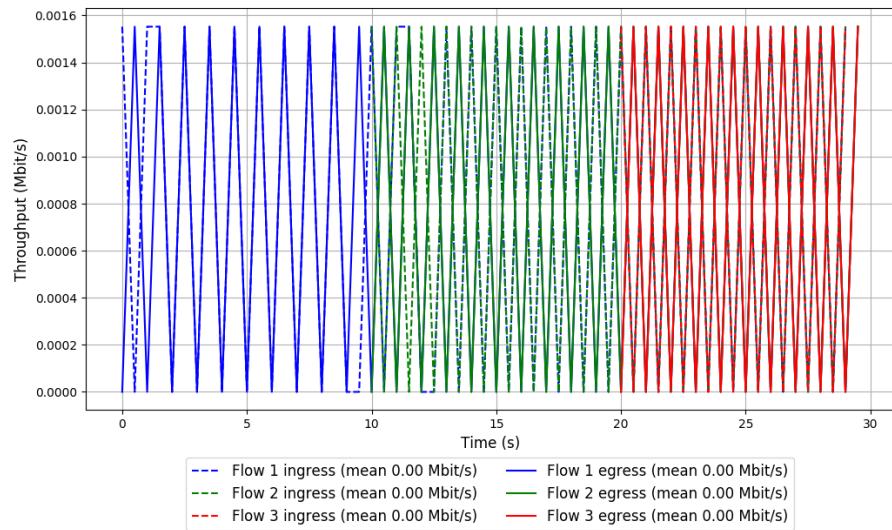


Run 8: Statistics of Verus

```
Start at: 2018-05-22 18:15:17
End at: 2018-05-22 18:15:47
Local clock offset: -2.831 ms
Remote clock offset: -0.278 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 42.867 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 43.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 40.983 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 40.960 ms
Loss rate: 0.00%
```

Run 8: Report of Verus — Data Link

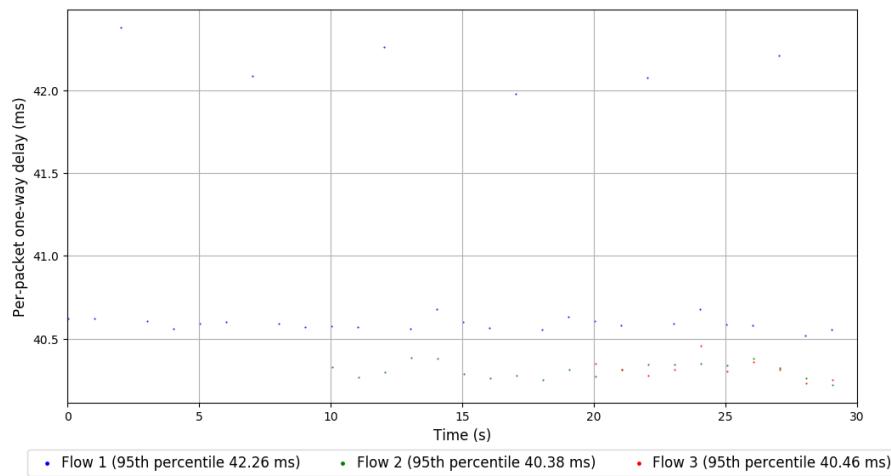
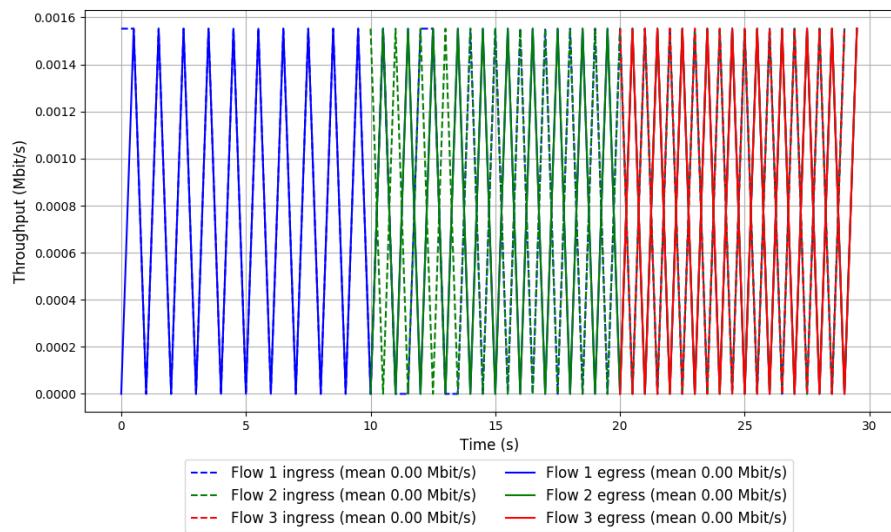


Run 9: Statistics of Verus

```
Start at: 2018-05-22 18:36:50
End at: 2018-05-22 18:37:20
Local clock offset: -0.164 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 42.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 42.261 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 40.383 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 40.456 ms
Loss rate: 0.00%
```

Run 9: Report of Verus — Data Link

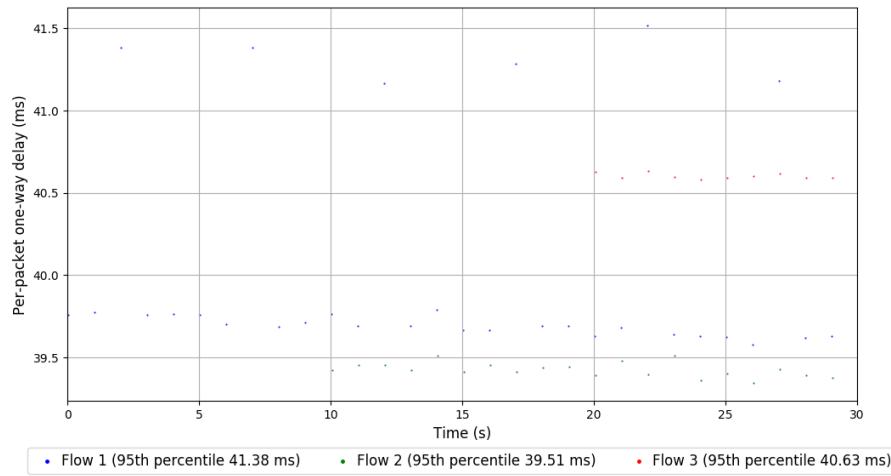
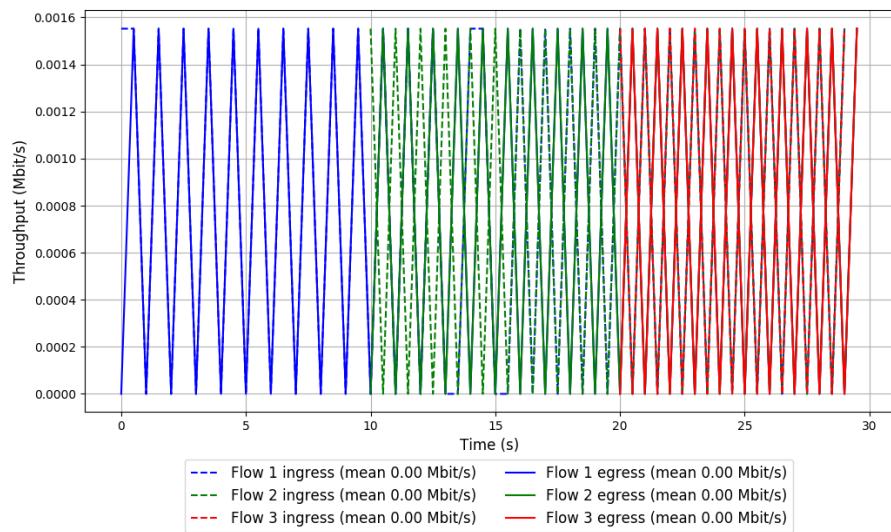


Run 10: Statistics of Verus

```
Start at: 2018-05-22 18:58:33
End at: 2018-05-22 18:59:03
Local clock offset: 1.677 ms
Remote clock offset: 0.064 ms

# Below is generated by plot.py at 2018-05-22 19:21:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 41.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 41.385 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 39.508 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 40.632 ms
Loss rate: 0.00%
```

Run 10: Report of Verus — Data Link

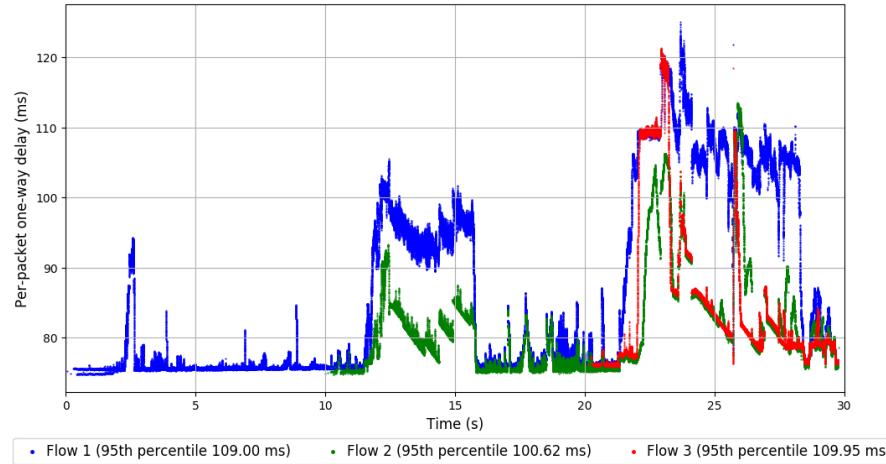
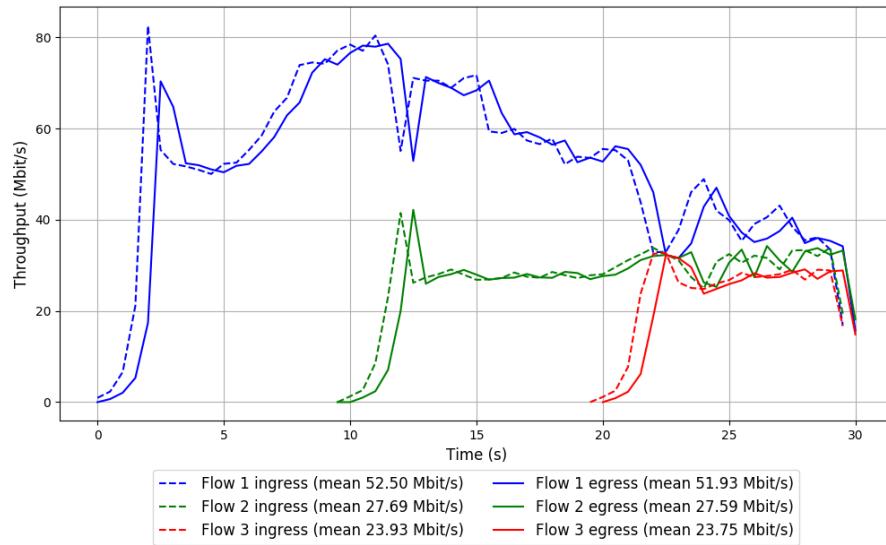


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-05-22 15:47:01
End at: 2018-05-22 15:47:31
Local clock offset: -40.603 ms
Remote clock offset: -32.596 ms

# Below is generated by plot.py at 2018-05-22 19:21:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 108.985 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 51.93 Mbit/s
95th percentile per-packet one-way delay: 109.000 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 27.59 Mbit/s
95th percentile per-packet one-way delay: 100.625 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 109.953 ms
Loss rate: 1.80%
```

Run 1: Report of PCC-Vivace — Data Link

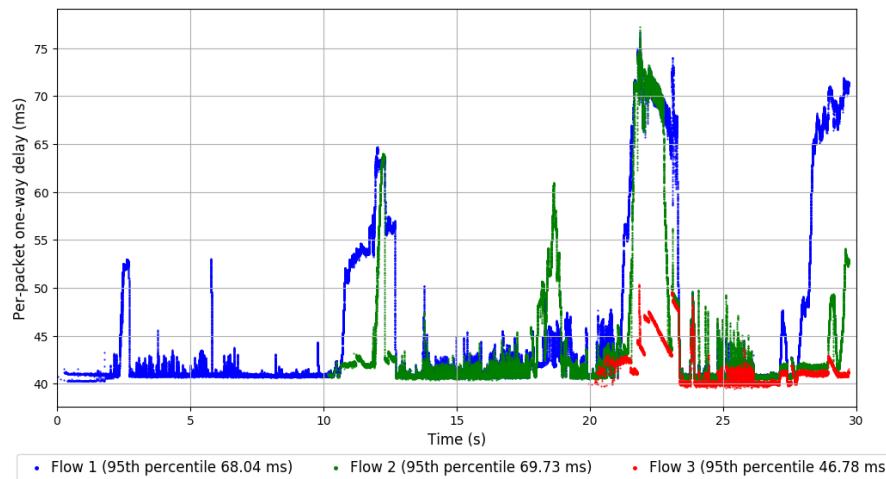
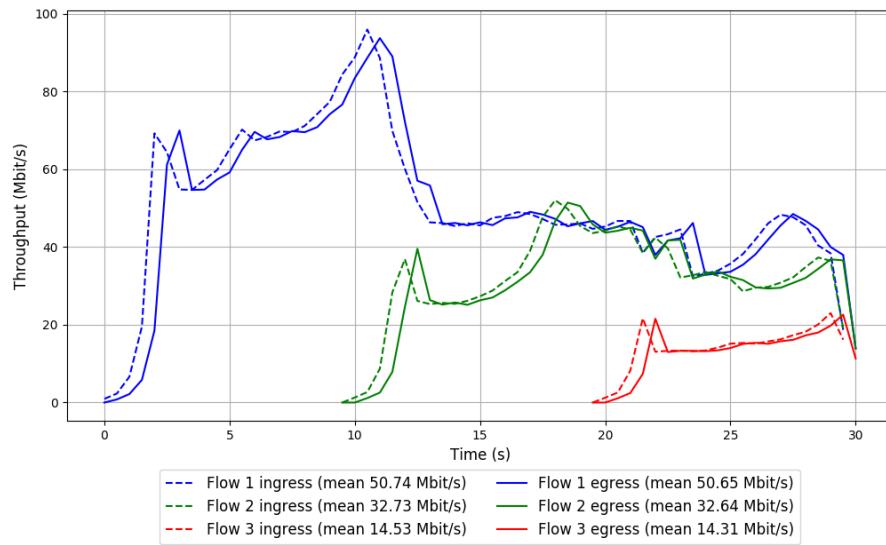


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-22 16:08:34
End at: 2018-05-22 16:09:04
Local clock offset: -24.364 ms
Remote clock offset: -1.575 ms

# Below is generated by plot.py at 2018-05-22 19:21:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.10 Mbit/s
95th percentile per-packet one-way delay: 68.114 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 50.65 Mbit/s
95th percentile per-packet one-way delay: 68.038 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 32.64 Mbit/s
95th percentile per-packet one-way delay: 69.727 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: 46.784 ms
Loss rate: 2.57%
```

Run 2: Report of PCC-Vivace — Data Link

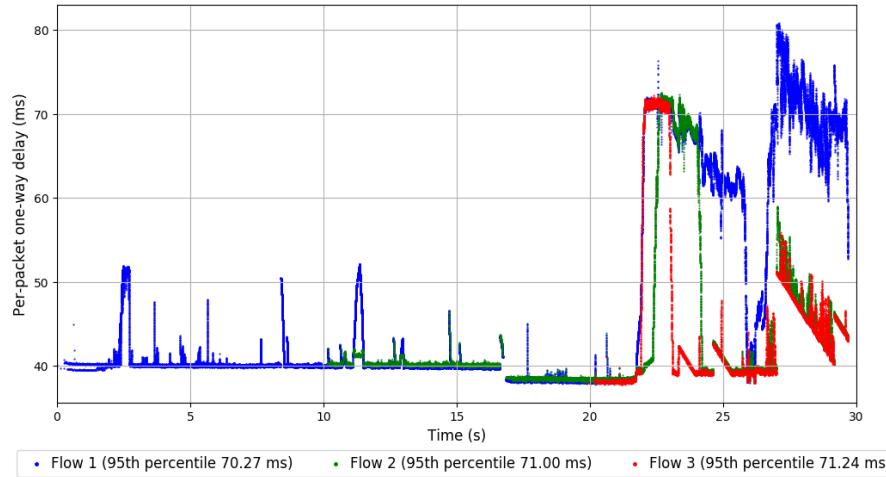
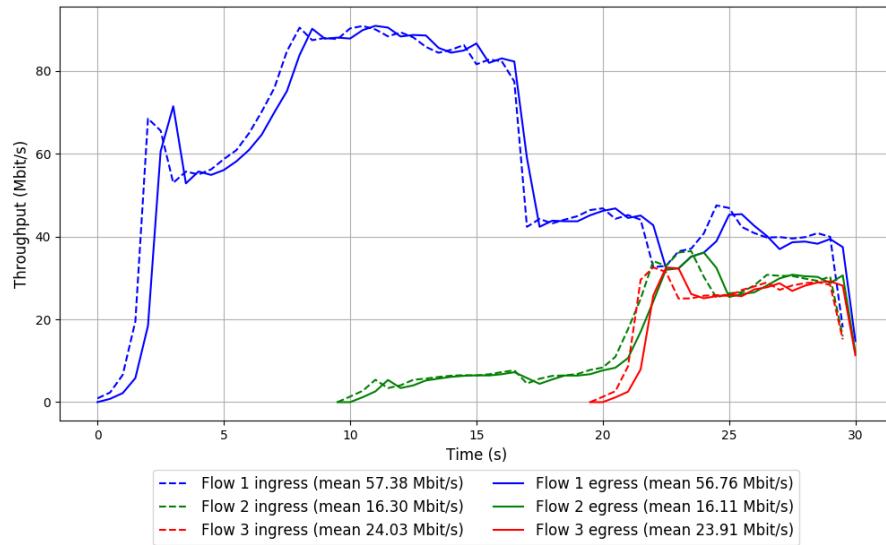


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-22 16:30:07
End at: 2018-05-22 16:30:37
Local clock offset: -21.566 ms
Remote clock offset: -4.716 ms

# Below is generated by plot.py at 2018-05-22 19:21:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.37 Mbit/s
95th percentile per-packet one-way delay: 70.821 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 56.76 Mbit/s
95th percentile per-packet one-way delay: 70.269 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 16.11 Mbit/s
95th percentile per-packet one-way delay: 70.996 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 71.237 ms
Loss rate: 1.54%
```

Run 3: Report of PCC-Vivace — Data Link

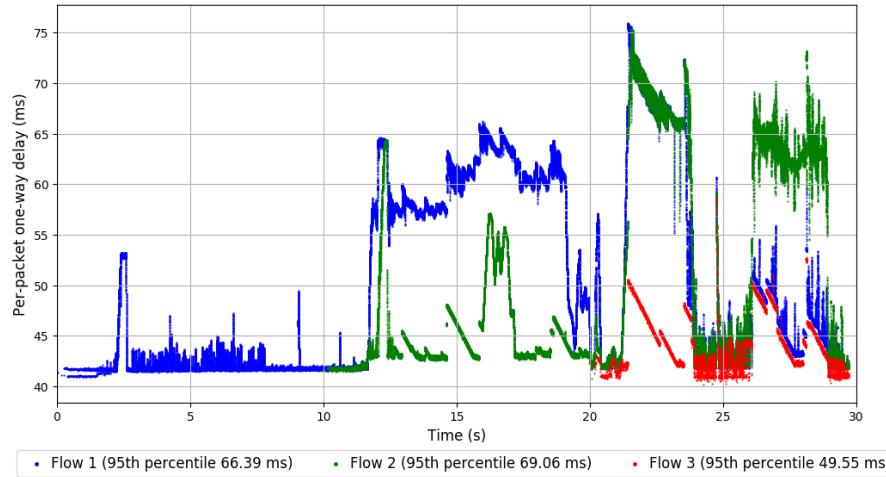
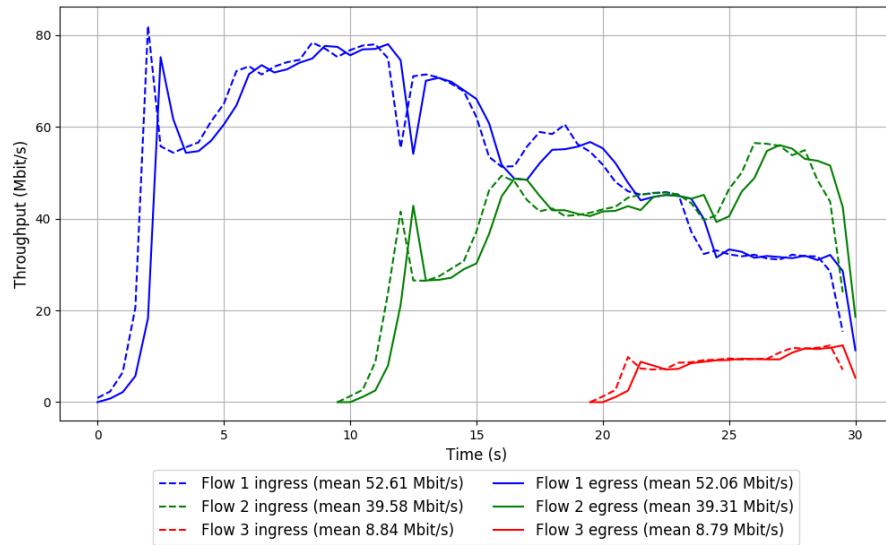


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-22 16:51:41
End at: 2018-05-22 16:52:11
Local clock offset: -14.536 ms
Remote clock offset: -1.685 ms

# Below is generated by plot.py at 2018-05-22 19:21:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.14 Mbit/s
95th percentile per-packet one-way delay: 67.457 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 52.06 Mbit/s
95th percentile per-packet one-way delay: 66.391 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 39.31 Mbit/s
95th percentile per-packet one-way delay: 69.059 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 8.79 Mbit/s
95th percentile per-packet one-way delay: 49.551 ms
Loss rate: 1.70%
```

Run 4: Report of PCC-Vivace — Data Link

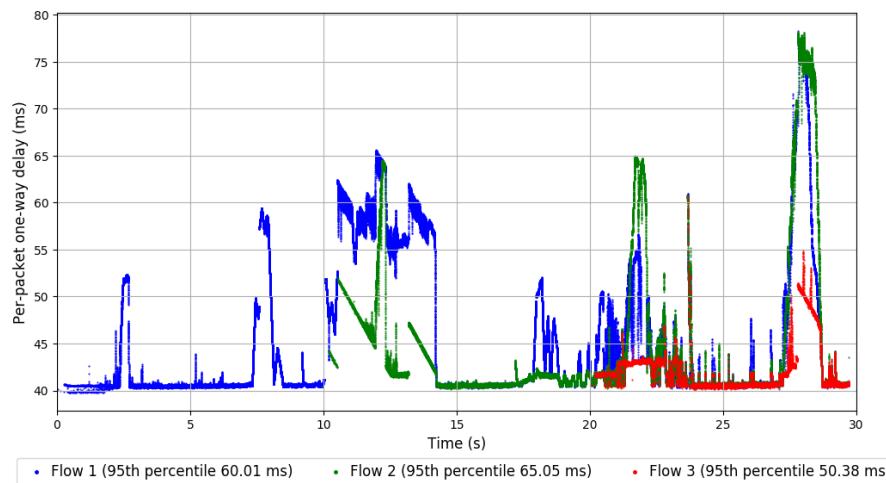
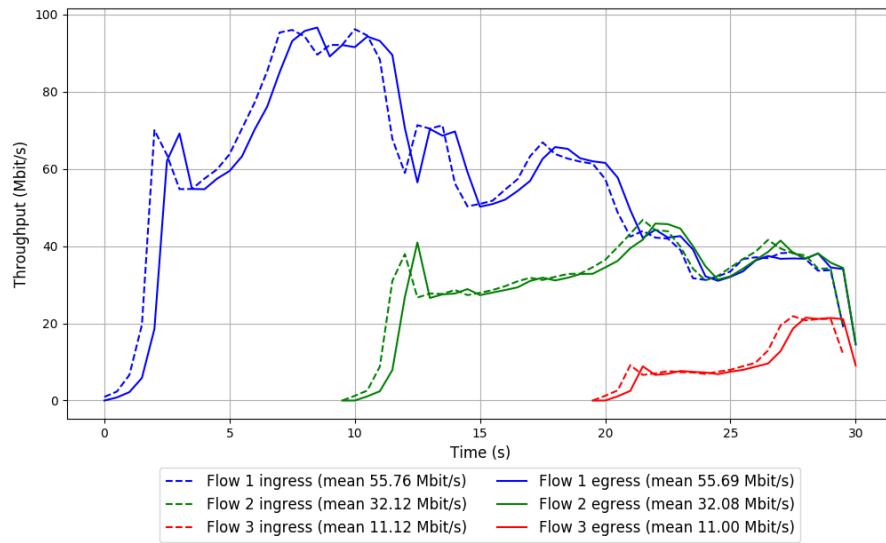


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-22 17:13:15
End at: 2018-05-22 17:13:45
Local clock offset: -8.781 ms
Remote clock offset: -0.712 ms

# Below is generated by plot.py at 2018-05-22 19:21:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.68 Mbit/s
95th percentile per-packet one-way delay: 60.834 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 55.69 Mbit/s
95th percentile per-packet one-way delay: 60.009 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 32.08 Mbit/s
95th percentile per-packet one-way delay: 65.048 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 11.00 Mbit/s
95th percentile per-packet one-way delay: 50.383 ms
Loss rate: 2.12%
```

Run 5: Report of PCC-Vivace — Data Link

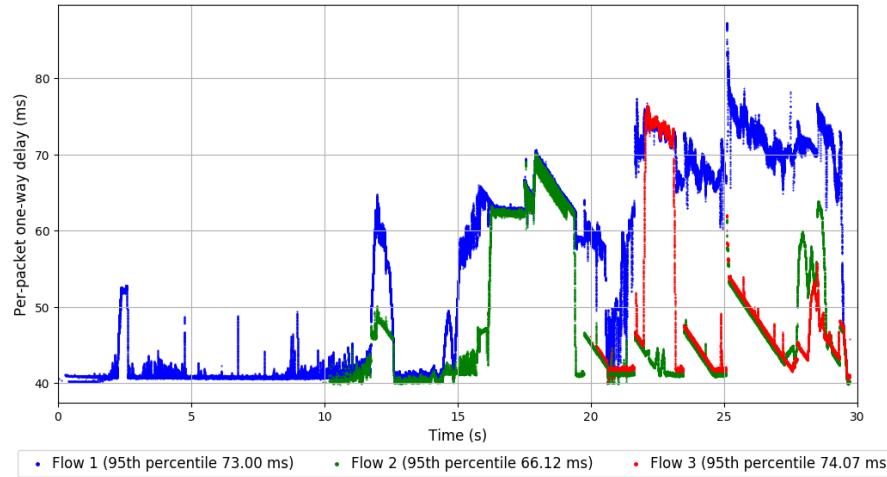
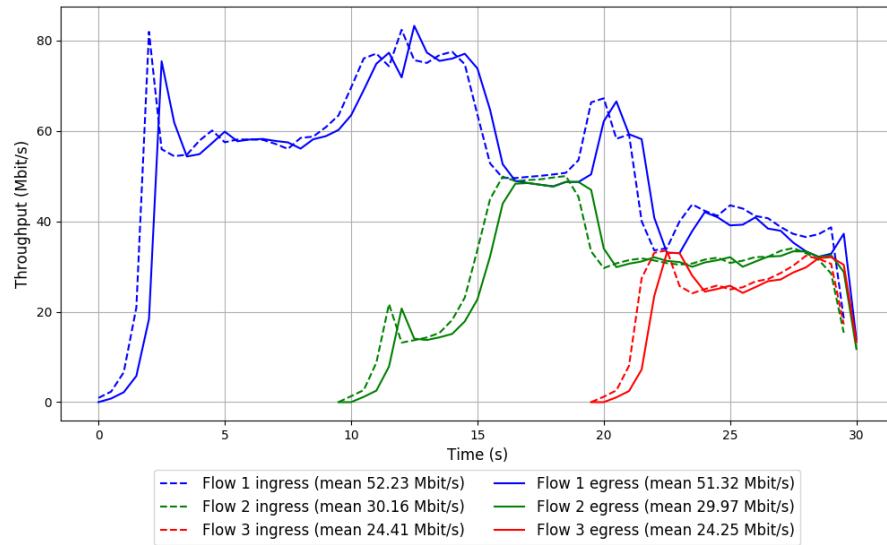


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-22 17:34:48
End at: 2018-05-22 17:35:18
Local clock offset: -3.226 ms
Remote clock offset: -0.91 ms

# Below is generated by plot.py at 2018-05-22 19:21:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: 72.615 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 51.32 Mbit/s
95th percentile per-packet one-way delay: 73.001 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 29.97 Mbit/s
95th percentile per-packet one-way delay: 66.122 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 74.074 ms
Loss rate: 1.72%
```

Run 6: Report of PCC-Vivace — Data Link

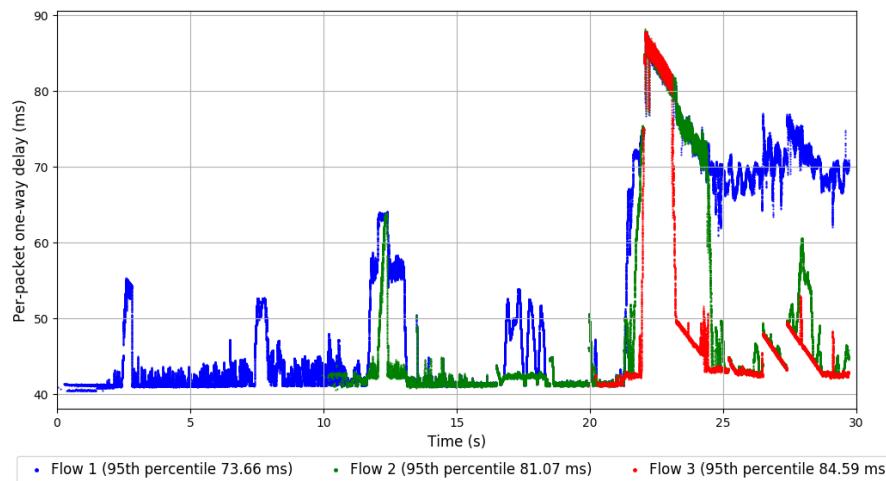
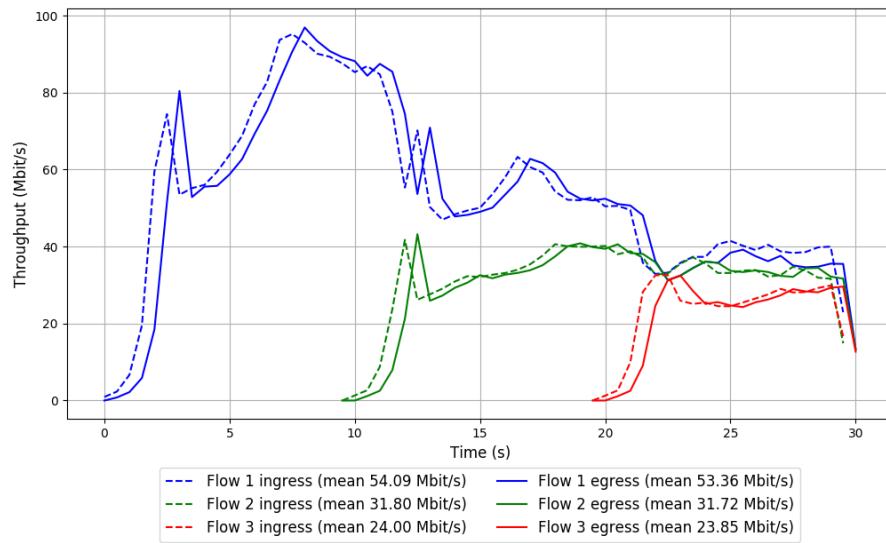


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-22 17:56:21
End at: 2018-05-22 17:56:51
Local clock offset: -0.761 ms
Remote clock offset: -0.366 ms

# Below is generated by plot.py at 2018-05-22 19:21:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 76.125 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 53.36 Mbit/s
95th percentile per-packet one-way delay: 73.663 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 31.72 Mbit/s
95th percentile per-packet one-way delay: 81.072 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 23.85 Mbit/s
95th percentile per-packet one-way delay: 84.590 ms
Loss rate: 1.71%
```

Run 7: Report of PCC-Vivace — Data Link

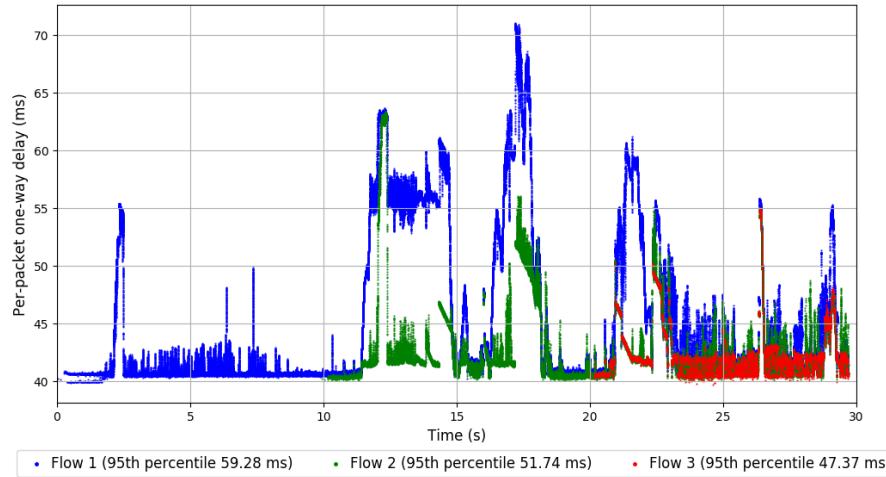
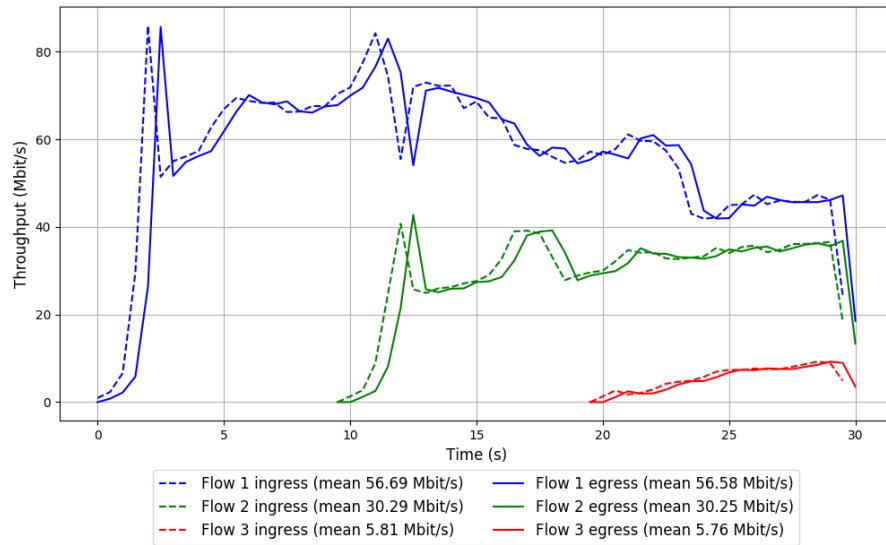


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-22 18:17:54
End at: 2018-05-22 18:18:24
Local clock offset: -3.134 ms
Remote clock offset: -0.34 ms

# Below is generated by plot.py at 2018-05-22 19:22:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.63 Mbit/s
95th percentile per-packet one-way delay: 58.728 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 59.279 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 30.25 Mbit/s
95th percentile per-packet one-way delay: 51.742 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 5.76 Mbit/s
95th percentile per-packet one-way delay: 47.371 ms
Loss rate: 1.79%
```

Run 8: Report of PCC-Vivace — Data Link

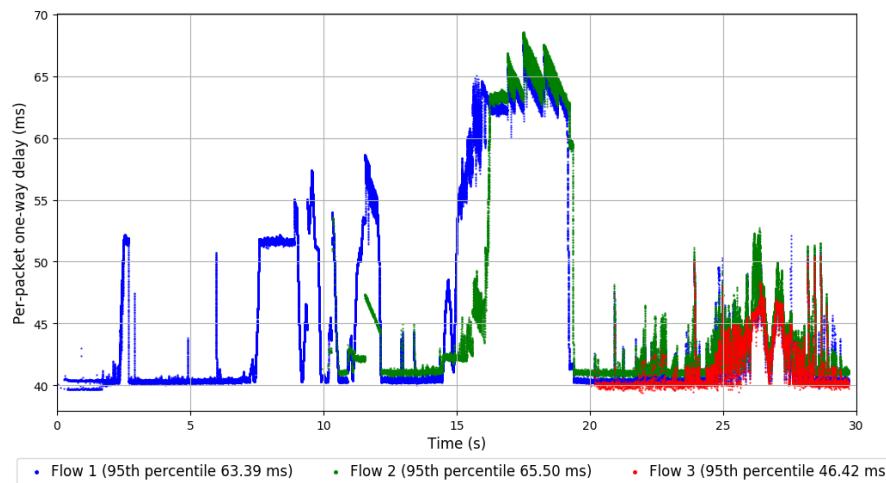
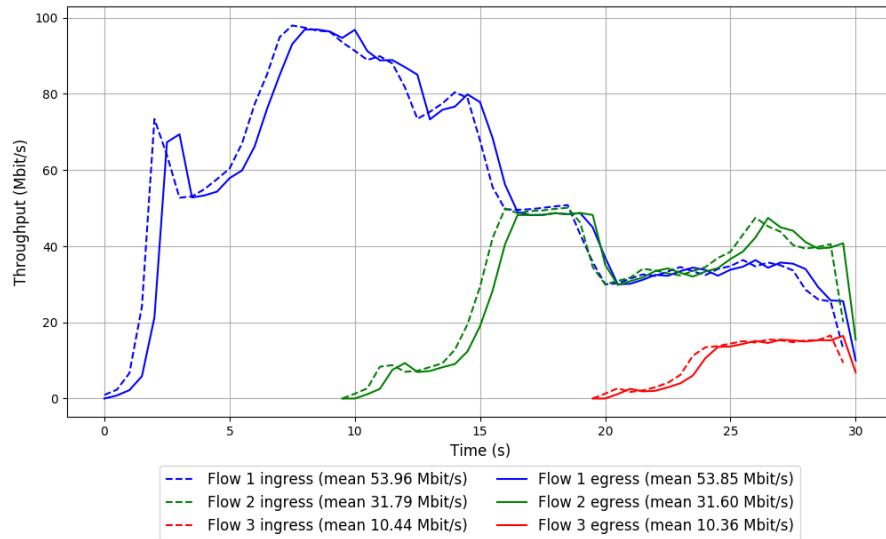


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-22 18:39:27
End at: 2018-05-22 18:39:57
Local clock offset: 0.332 ms
Remote clock offset: 0.034 ms

# Below is generated by plot.py at 2018-05-22 19:22:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.31 Mbit/s
95th percentile per-packet one-way delay: 64.181 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 53.85 Mbit/s
95th percentile per-packet one-way delay: 63.390 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 65.502 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 10.36 Mbit/s
95th percentile per-packet one-way delay: 46.420 ms
Loss rate: 1.87%
```

Run 9: Report of PCC-Vivace — Data Link

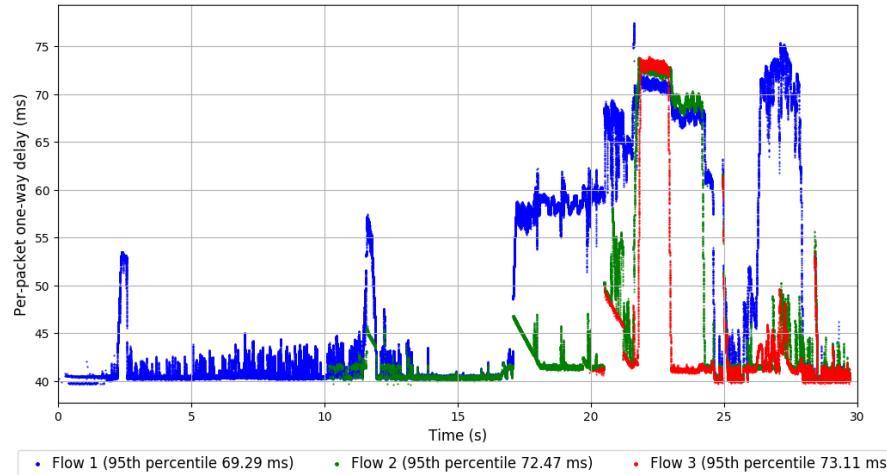
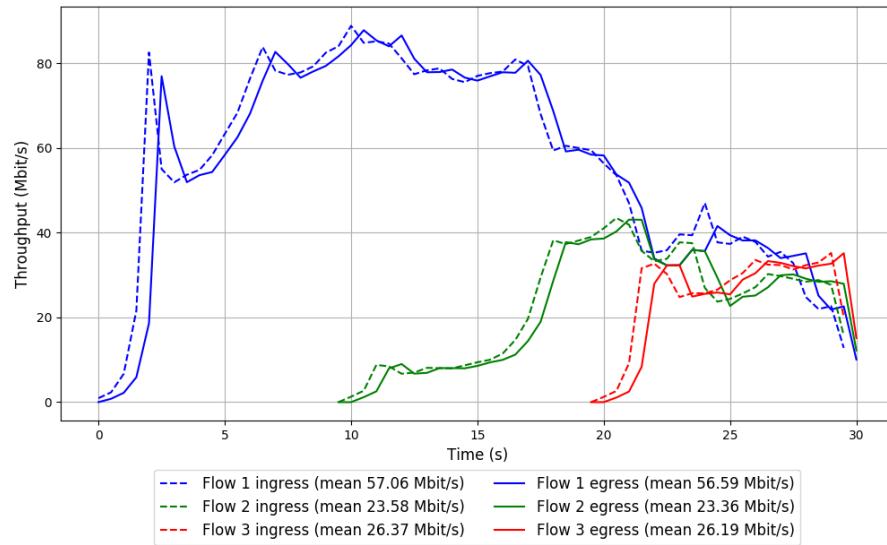


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-22 19:01:11
End at: 2018-05-22 19:01:41
Local clock offset: 2.329 ms
Remote clock offset: 0.061 ms

# Below is generated by plot.py at 2018-05-22 19:22:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: 71.030 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 56.59 Mbit/s
95th percentile per-packet one-way delay: 69.290 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 23.36 Mbit/s
95th percentile per-packet one-way delay: 72.469 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 26.19 Mbit/s
95th percentile per-packet one-way delay: 73.112 ms
Loss rate: 1.77%
```

Run 10: Report of PCC-Vivace — Data Link

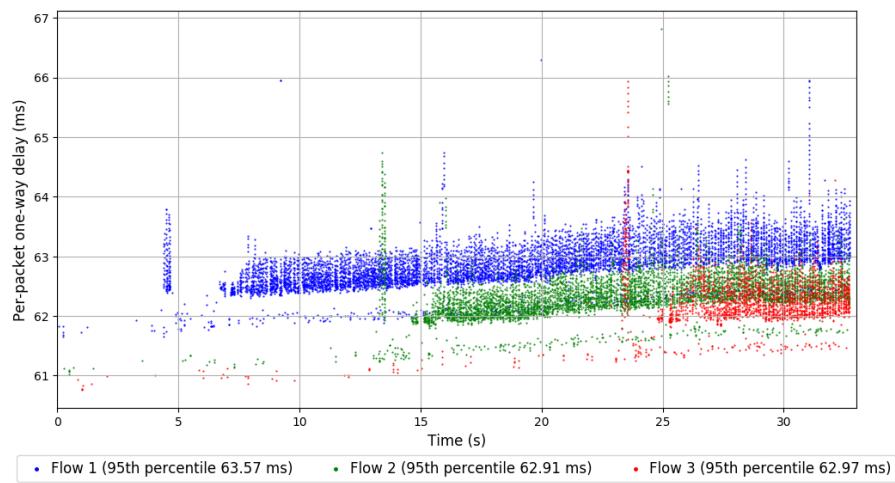
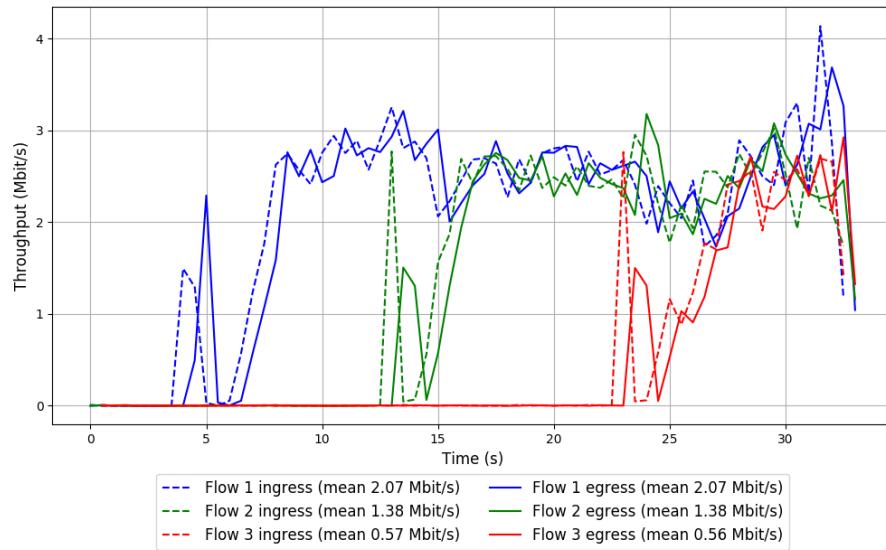


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-22 15:37:42
End at: 2018-05-22 15:38:12
Local clock offset: -25.898 ms
Remote clock offset: -19.461 ms

# Below is generated by plot.py at 2018-05-22 19:22:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 63.446 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 63.570 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 62.915 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 62.966 ms
Loss rate: 1.13%
```

Run 1: Report of WebRTC media — Data Link

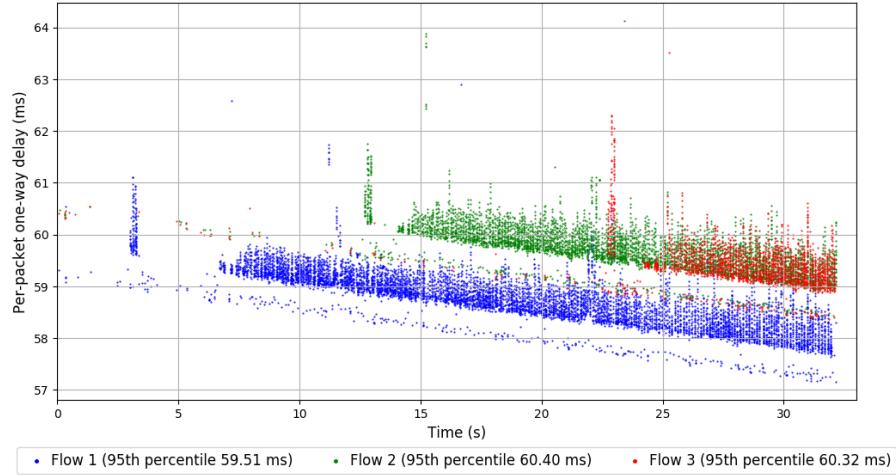
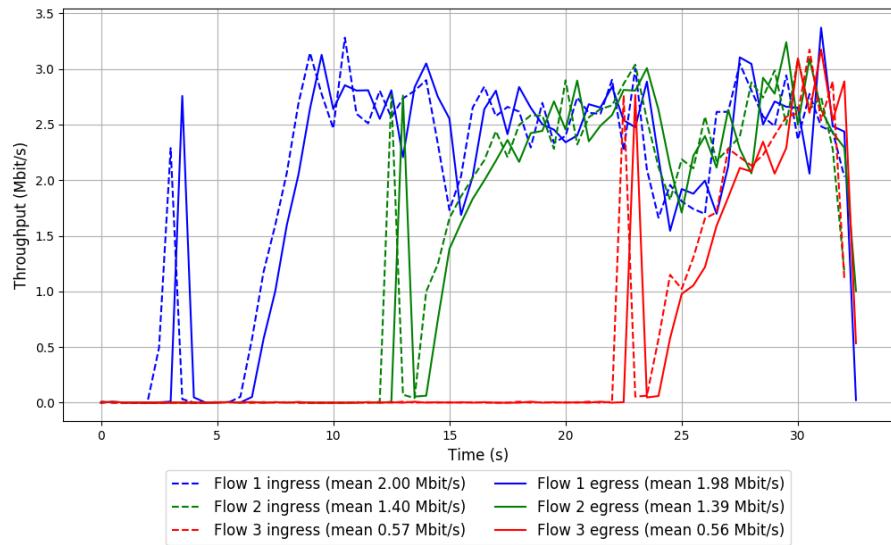


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-22 15:59:15
End at: 2018-05-22 15:59:45
Local clock offset: -44.992 ms
Remote clock offset: -21.71 ms

# Below is generated by plot.py at 2018-05-22 19:22:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 60.230 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 59.512 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 60.397 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 60.321 ms
Loss rate: 1.58%
```

Run 2: Report of WebRTC media — Data Link

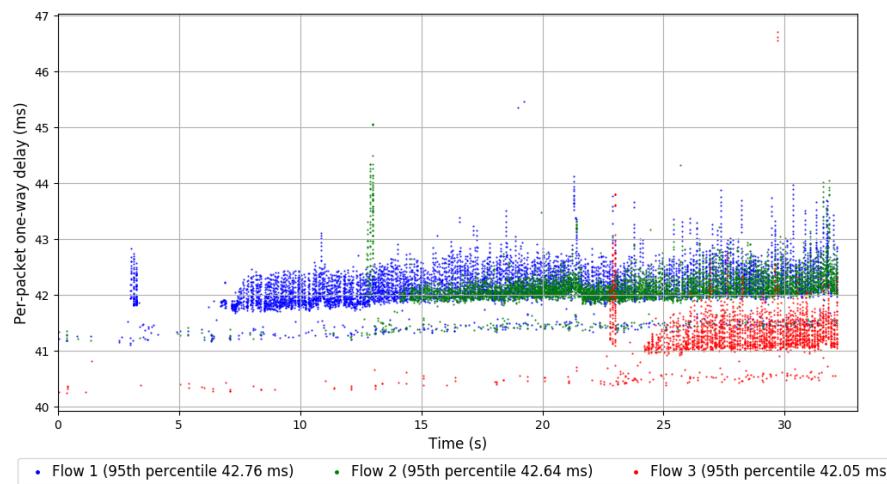
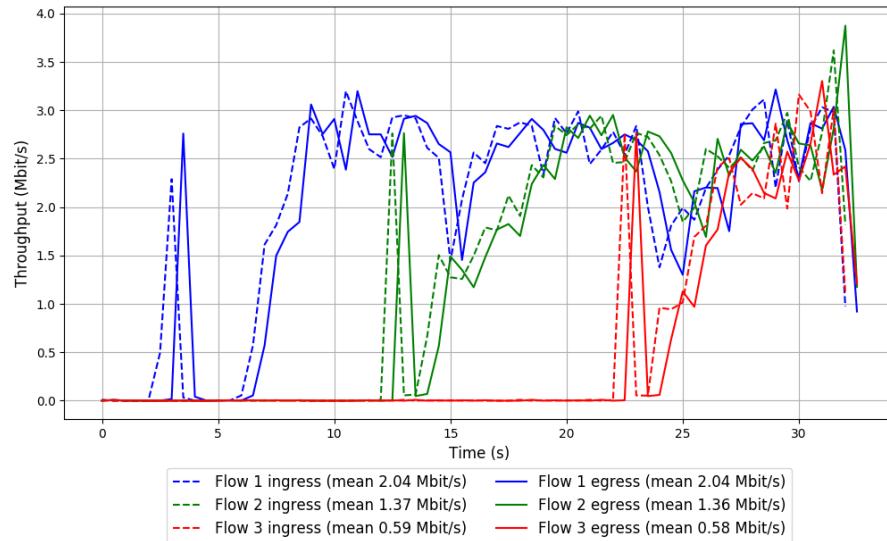


Run 3: Statistics of WebRTC media

```
Start at: 2018-05-22 16:20:49
End at: 2018-05-22 16:21:19
Local clock offset: -26.095 ms
Remote clock offset: -3.934 ms

# Below is generated by plot.py at 2018-05-22 19:22:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 42.689 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 42.757 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 42.644 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 42.046 ms
Loss rate: 1.32%
```

Run 3: Report of WebRTC media — Data Link

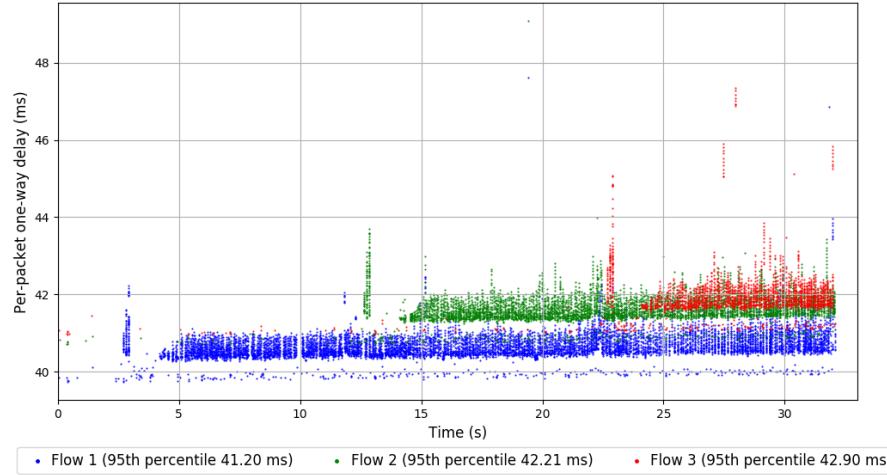
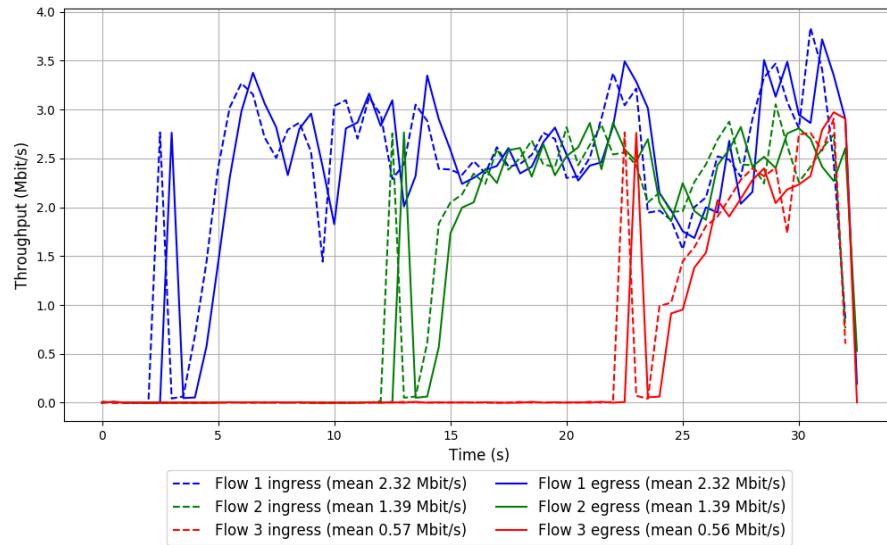


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-22 16:42:22
End at: 2018-05-22 16:42:52
Local clock offset: -12.414 ms
Remote clock offset: -3.457 ms

# Below is generated by plot.py at 2018-05-22 19:22:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 42.180 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 41.201 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 42.213 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 42.900 ms
Loss rate: 1.65%
```

Run 4: Report of WebRTC media — Data Link

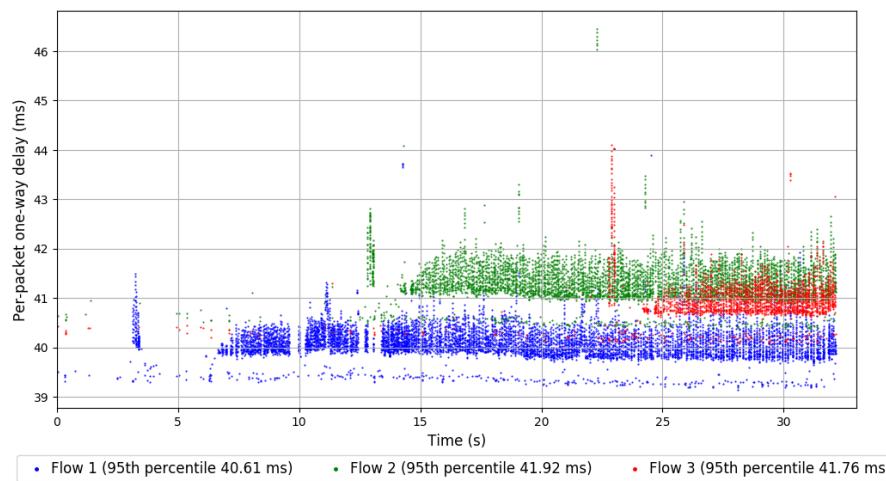
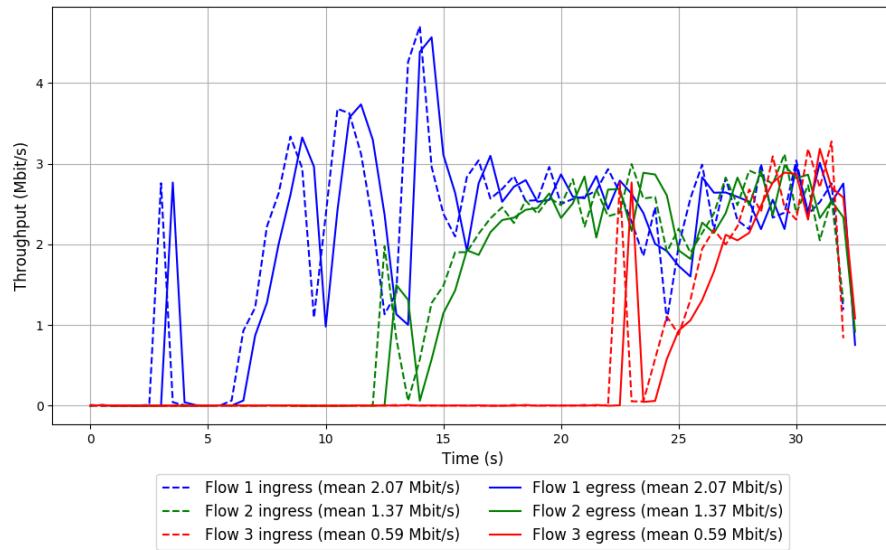


Run 5: Statistics of WebRTC media

```
Start at: 2018-05-22 17:03:56
End at: 2018-05-22 17:04:26
Local clock offset: -9.929 ms
Remote clock offset: -0.843 ms

# Below is generated by plot.py at 2018-05-22 19:22:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 41.734 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 40.610 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 41.921 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 41.759 ms
Loss rate: 1.18%
```

Run 5: Report of WebRTC media — Data Link

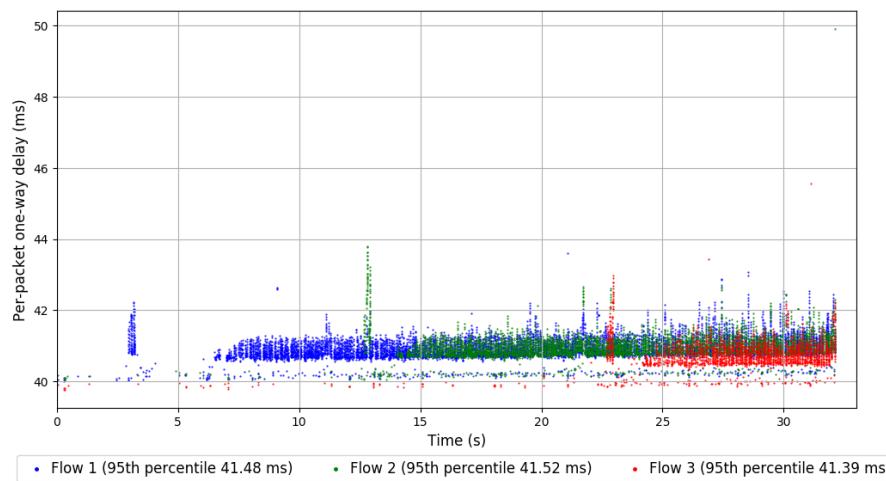
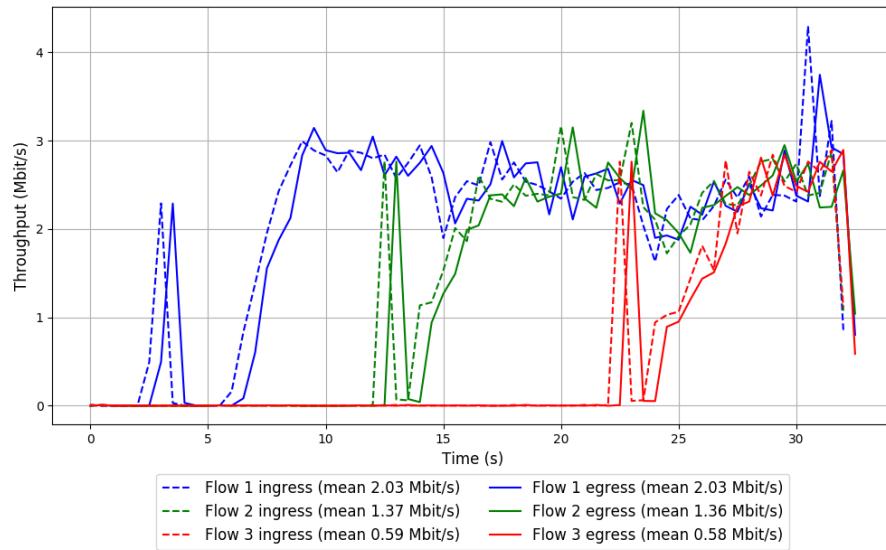


Run 6: Statistics of WebRTC media

```
Start at: 2018-05-22 17:25:29
End at: 2018-05-22 17:25:59
Local clock offset: -11.283 ms
Remote clock offset: -0.832 ms

# Below is generated by plot.py at 2018-05-22 19:22:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 41.490 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 41.485 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 41.523 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 41.394 ms
Loss rate: 1.38%
```

Run 6: Report of WebRTC media — Data Link

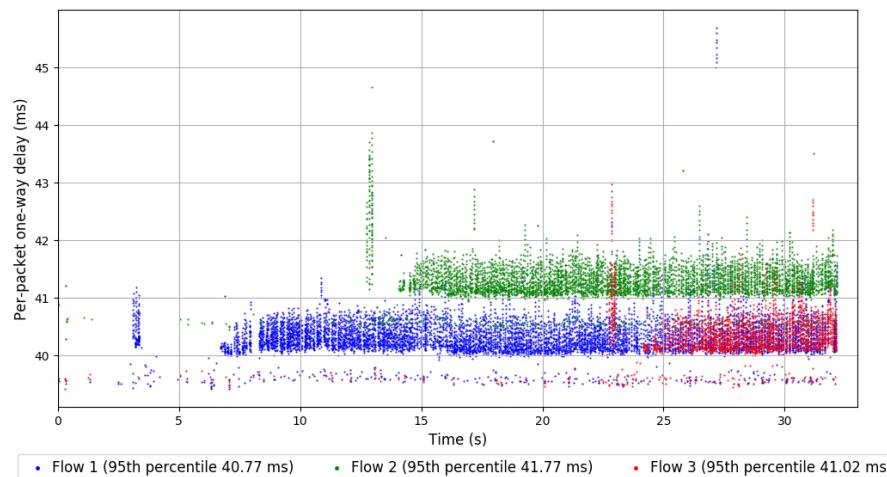
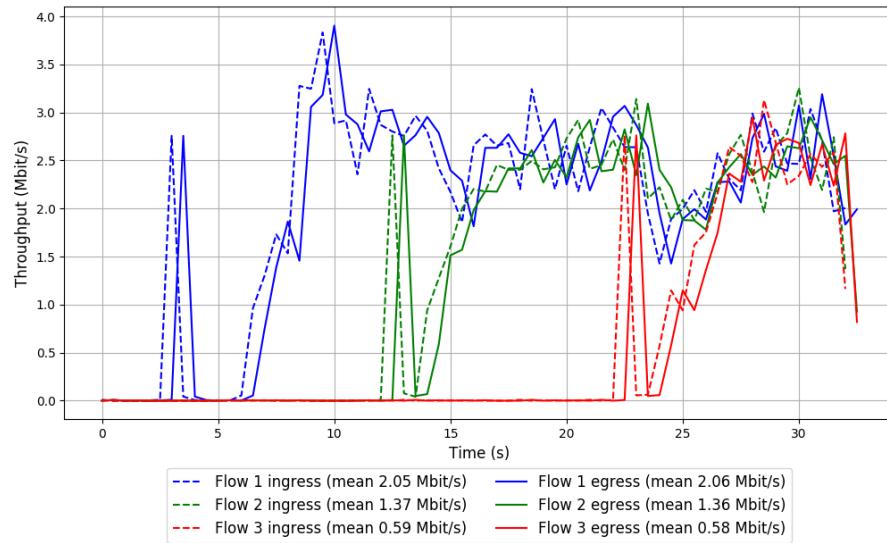


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-22 17:47:03
End at: 2018-05-22 17:47:33
Local clock offset: -0.524 ms
Remote clock offset: -0.829 ms

# Below is generated by plot.py at 2018-05-22 19:22:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 41.580 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 40.771 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 41.767 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 41.022 ms
Loss rate: 0.91%
```

Run 7: Report of WebRTC media — Data Link

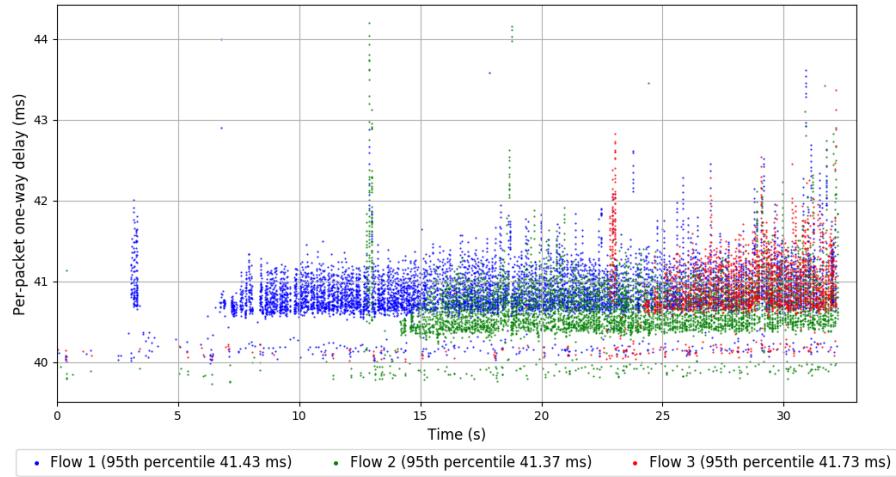
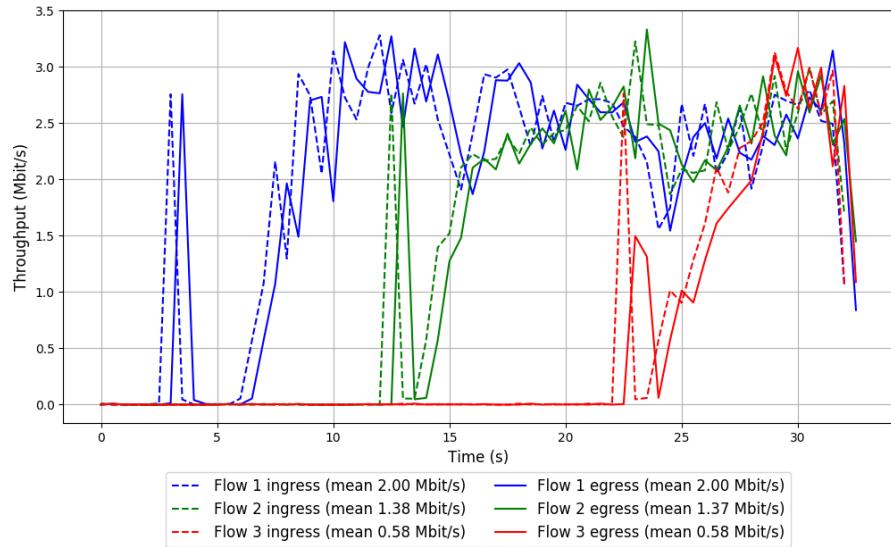


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-22 18:08:36
End at: 2018-05-22 18:09:06
Local clock offset: -1.87 ms
Remote clock offset: -0.338 ms

# Below is generated by plot.py at 2018-05-22 19:22:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 41.487 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 41.432 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 41.367 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 41.732 ms
Loss rate: 1.52%
```

Run 8: Report of WebRTC media — Data Link

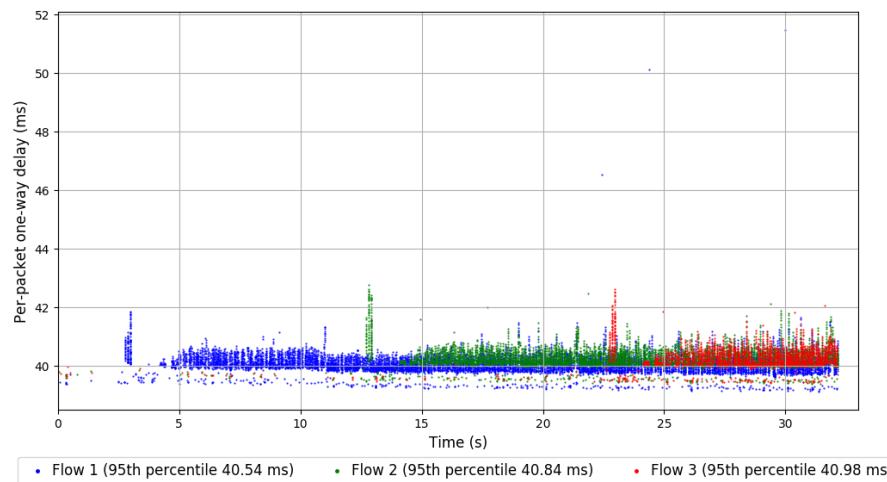
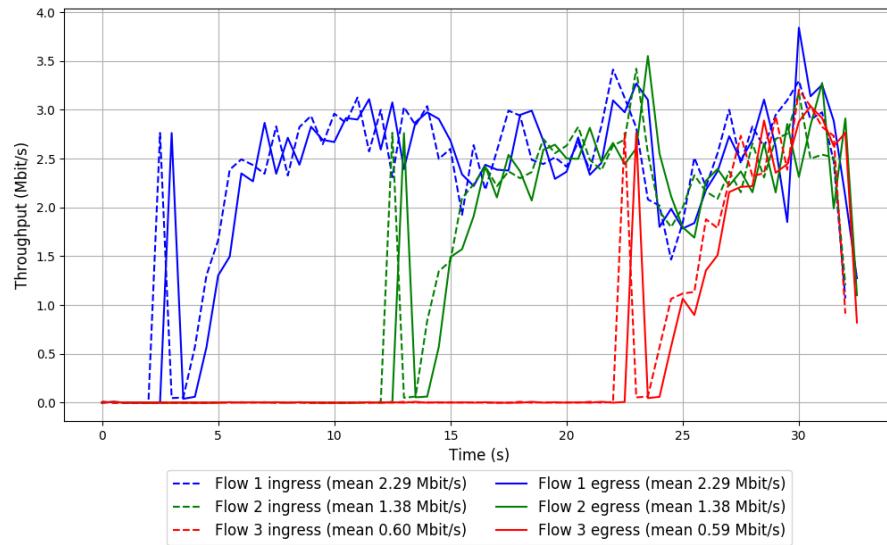


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-22 18:30:09
End at: 2018-05-22 18:30:39
Local clock offset: -2.168 ms
Remote clock offset: -0.16 ms

# Below is generated by plot.py at 2018-05-22 19:22:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 40.735 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 40.541 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 40.841 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 40.975 ms
Loss rate: 1.43%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-22 18:51:42
End at: 2018-05-22 18:52:12
Local clock offset: 1.063 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2018-05-22 19:22:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 42.119 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 41.907 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 42.141 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 42.626 ms
Loss rate: 1.18%
```

Run 10: Report of WebRTC media — Data Link

