

Pantheon Report

Generated at 2018-07-13 00:00:10 (UTC).

Data path: GCE Tokyo Ethernet (*remote*) → GCE Sydney Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

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

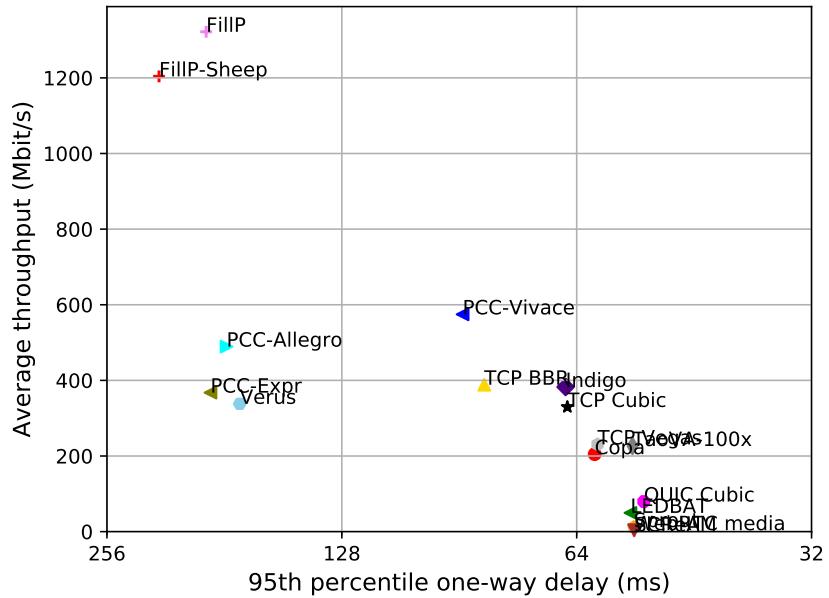
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

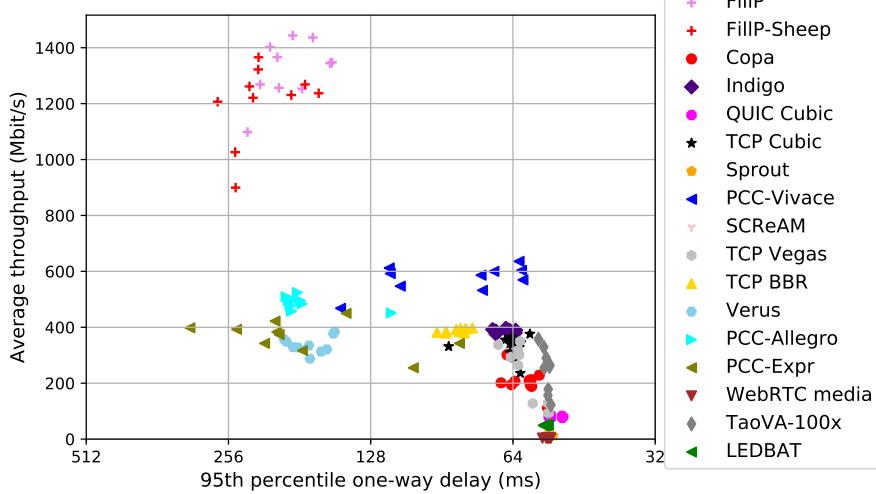
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Tokyo to GCE Sydney, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE Tokyo to GCE Sydney, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



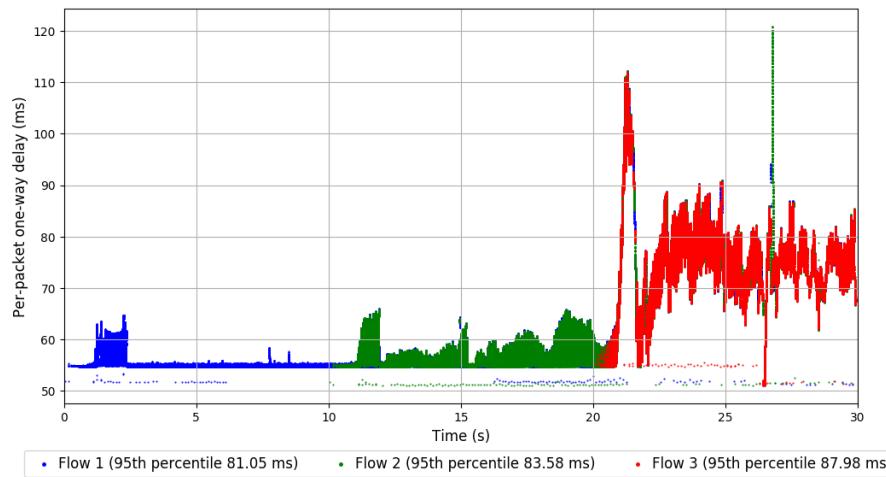
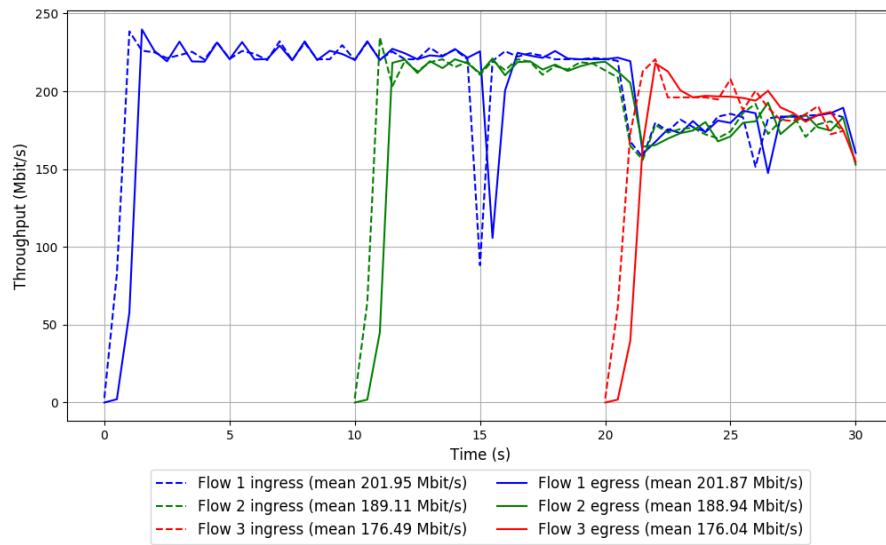
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	203.06	194.56	169.92	82.22	84.07	87.15	0.39	0.55	1.39
Copa		119.78	95.79	65.93	59.96	60.47	58.33	0.29	0.40	1.26
TCP Cubic		201.86	161.81	61.88	65.67	64.39	63.53	0.36	1.03	2.99
FillP		694.74	637.14	619.20	173.01	204.09	184.13	4.76	5.30	6.41
FillP-Sheep		595.87	630.33	577.04	227.59	209.84	167.26	6.86	6.86	4.80
Indigo		212.11	189.12	135.30	64.90	66.52	69.16	0.34	0.52	1.24
LEDBAT		32.25	21.22	9.86	54.70	54.19	53.37	0.69	1.06	2.18
PCC-Allegro		461.67	25.17	33.31	179.99	167.55	146.93	1.64	1.83	2.06
PCC-Expr		249.13	149.93	57.87	190.43	135.79	129.01	4.65	3.57	5.62
QUIC Cubic		49.00	37.23	17.57	52.14	51.79	51.23	0.51	0.68	0.65
SCReAM		0.21	0.21	0.22	53.26	52.97	53.32	0.36	0.60	1.02
Sprout		5.99	6.07	6.31	54.06	54.05	53.47	0.37	0.62	1.16
TaoVA-100x		158.90	87.71	63.51	53.69	55.15	54.61	0.21	0.37	0.89
TCP Vegas		132.38	81.10	134.86	59.91	58.78	59.56	0.37	0.54	1.33
Verus		208.05	146.28	101.82	158.88	173.26	221.62	1.46	1.57	2.58
PCC-Vivace		331.22	298.19	138.77	89.35	95.26	63.57	0.55	0.48	1.50
WebRTC media		2.01	1.35	0.55	53.72	53.39	53.29	0.46	0.66	1.58

Run 1: Statistics of TCP BBR

```
Start at: 2018-07-12 16:39:03
End at: 2018-07-12 16:39:33
Local clock offset: -0.054 ms
Remote clock offset: -1.36 ms

# Below is generated by plot.py at 2018-07-12 21:13:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.67 Mbit/s
95th percentile per-packet one-way delay: 83.301 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 201.87 Mbit/s
95th percentile per-packet one-way delay: 81.054 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 188.94 Mbit/s
95th percentile per-packet one-way delay: 83.580 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 176.04 Mbit/s
95th percentile per-packet one-way delay: 87.980 ms
Loss rate: 1.35%
```

Run 1: Report of TCP BBR — Data Link

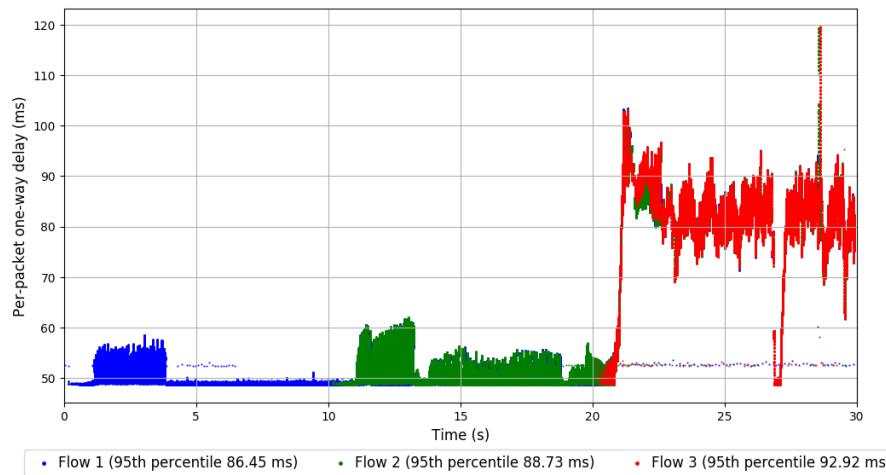
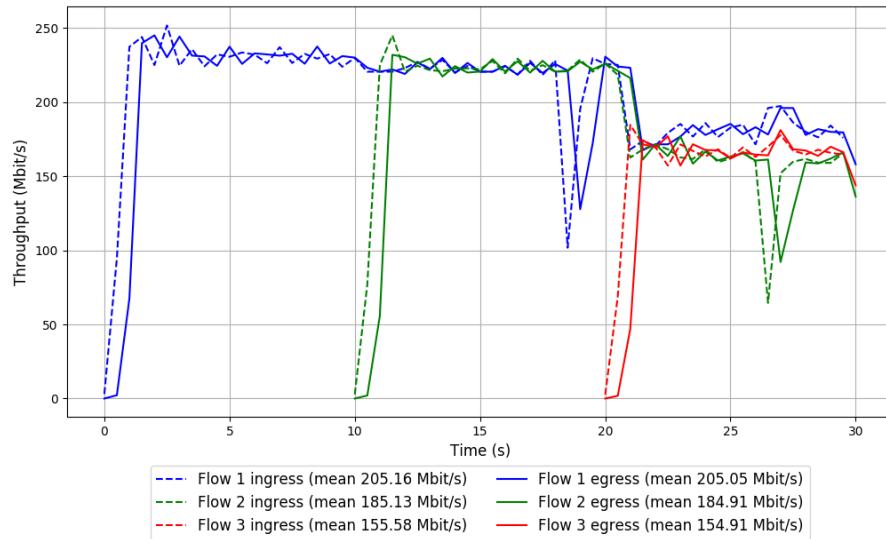


Run 2: Statistics of TCP BBR

```
Start at: 2018-07-12 17:03:53
End at: 2018-07-12 17:04:23
Local clock offset: -0.049 ms
Remote clock offset: 1.101 ms

# Below is generated by plot.py at 2018-07-12 21:13:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 379.10 Mbit/s
95th percentile per-packet one-way delay: 88.897 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 205.05 Mbit/s
95th percentile per-packet one-way delay: 86.452 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 184.91 Mbit/s
95th percentile per-packet one-way delay: 88.731 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 154.91 Mbit/s
95th percentile per-packet one-way delay: 92.925 ms
Loss rate: 1.51%
```

Run 2: Report of TCP BBR — Data Link

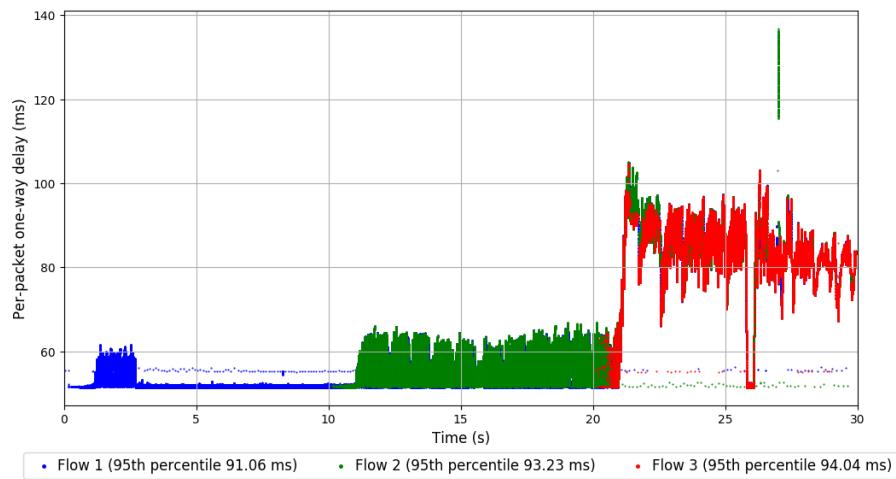
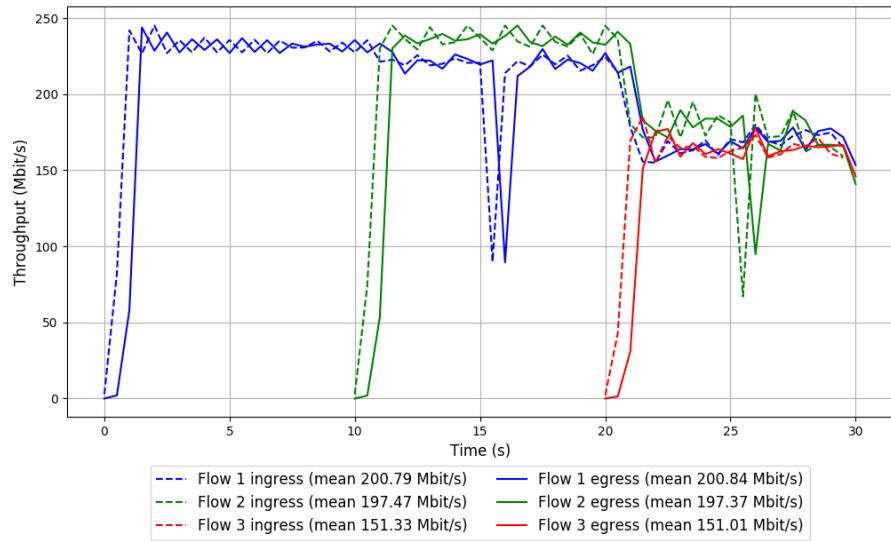


Run 3: Statistics of TCP BBR

```
Start at: 2018-07-12 17:32:31
End at: 2018-07-12 17:33:01
Local clock offset: 0.042 ms
Remote clock offset: -1.603 ms

# Below is generated by plot.py at 2018-07-12 21:13:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 381.91 Mbit/s
95th percentile per-packet one-way delay: 92.651 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 200.84 Mbit/s
95th percentile per-packet one-way delay: 91.058 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 197.37 Mbit/s
95th percentile per-packet one-way delay: 93.230 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 151.01 Mbit/s
95th percentile per-packet one-way delay: 94.043 ms
Loss rate: 1.30%
```

Run 3: Report of TCP BBR — Data Link

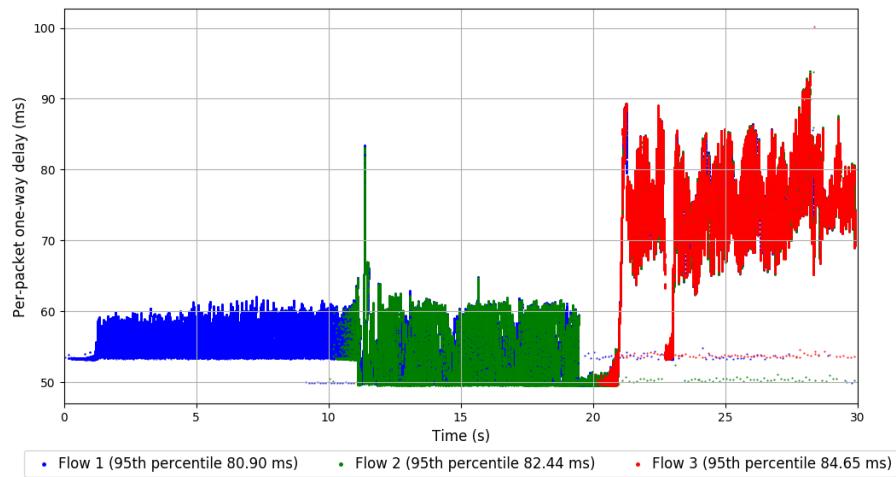
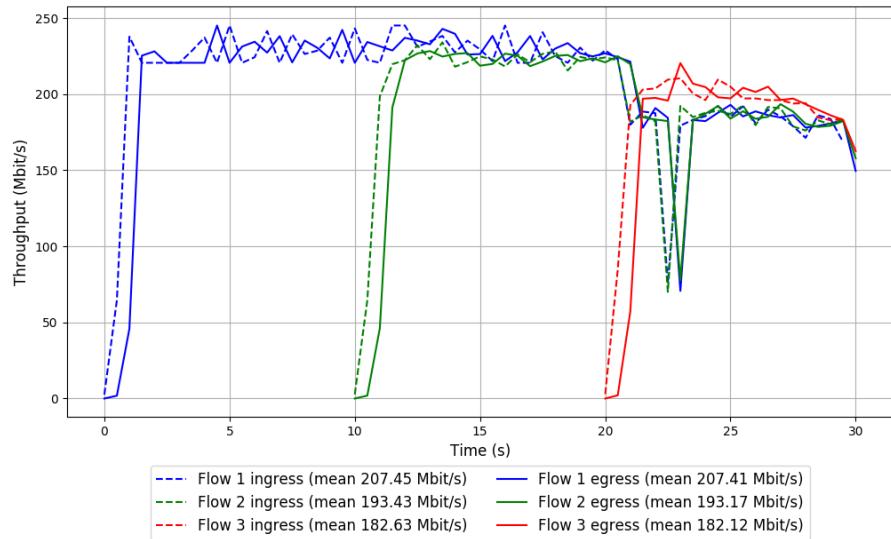


Run 4: Statistics of TCP BBR

```
Start at: 2018-07-12 17:58:19
End at: 2018-07-12 17:58:49
Local clock offset: 0.034 ms
Remote clock offset: 0.263 ms

# Below is generated by plot.py at 2018-07-12 21:13:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 396.05 Mbit/s
95th percentile per-packet one-way delay: 82.589 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 207.41 Mbit/s
95th percentile per-packet one-way delay: 80.897 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 193.17 Mbit/s
95th percentile per-packet one-way delay: 82.438 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 182.12 Mbit/s
95th percentile per-packet one-way delay: 84.651 ms
Loss rate: 1.35%
```

Run 4: Report of TCP BBR — Data Link

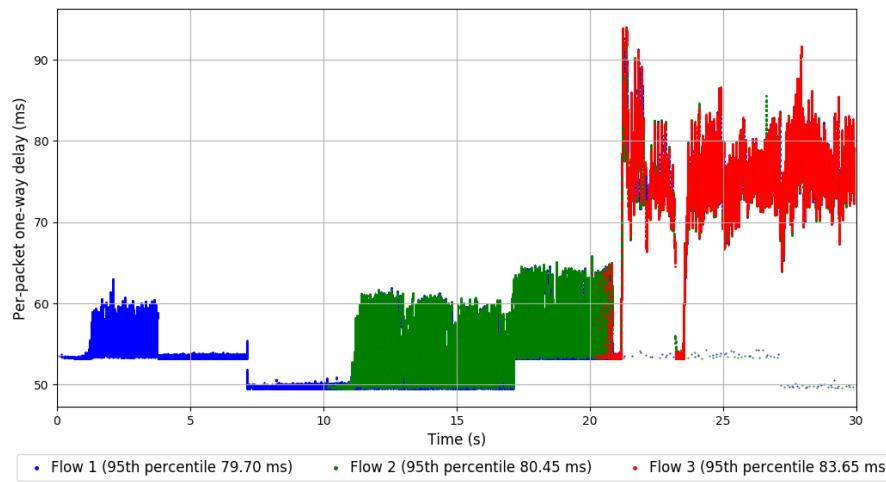
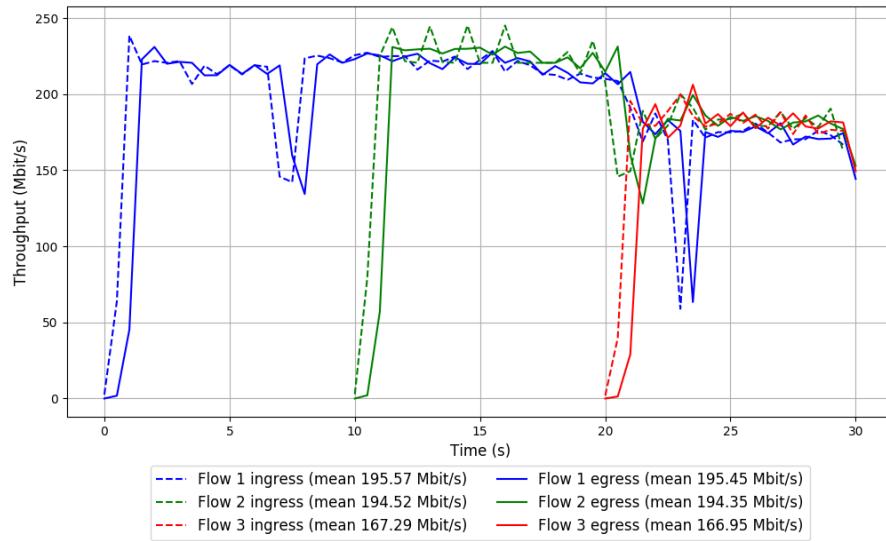


Run 5: Statistics of TCP BBR

```
Start at: 2018-07-12 18:23:03
End at: 2018-07-12 18:23:33
Local clock offset: -0.411 ms
Remote clock offset: -0.142 ms

# Below is generated by plot.py at 2018-07-12 21:13:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 379.82 Mbit/s
95th percentile per-packet one-way delay: 81.098 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 195.45 Mbit/s
95th percentile per-packet one-way delay: 79.699 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 194.35 Mbit/s
95th percentile per-packet one-way delay: 80.455 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 166.95 Mbit/s
95th percentile per-packet one-way delay: 83.652 ms
Loss rate: 1.40%
```

Run 5: Report of TCP BBR — Data Link

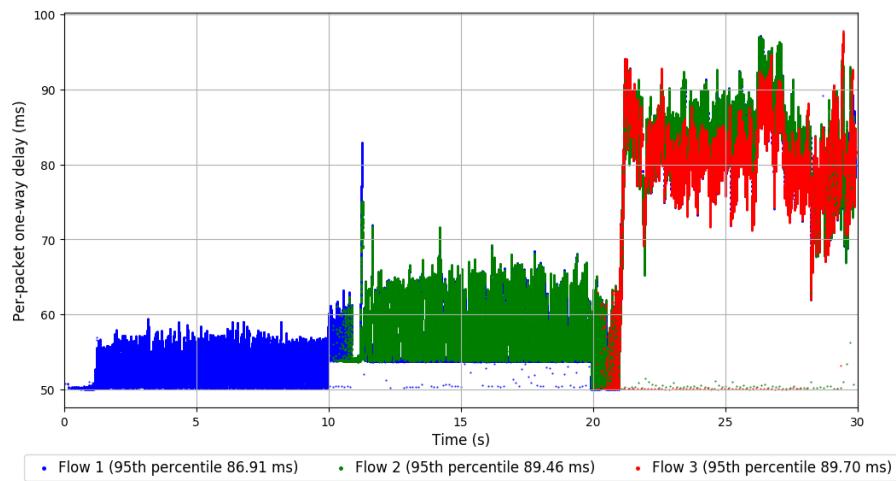
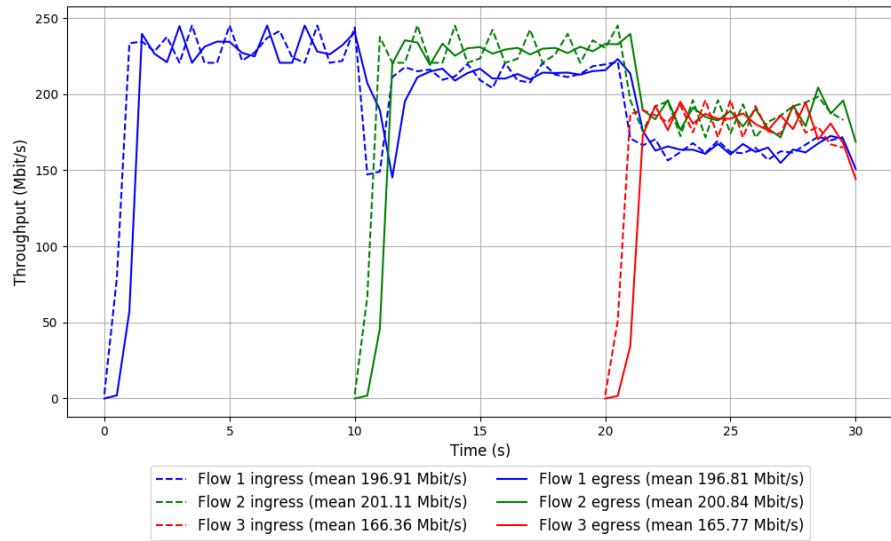


Run 6: Statistics of TCP BBR

```
Start at: 2018-07-12 18:48:10
End at: 2018-07-12 18:48:40
Local clock offset: 0.402 ms
Remote clock offset: 0.123 ms

# Below is generated by plot.py at 2018-07-12 21:13:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.06 Mbit/s
95th percentile per-packet one-way delay: 88.567 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 196.81 Mbit/s
95th percentile per-packet one-way delay: 86.914 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 200.84 Mbit/s
95th percentile per-packet one-way delay: 89.460 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 165.77 Mbit/s
95th percentile per-packet one-way delay: 89.701 ms
Loss rate: 1.40%
```

Run 6: Report of TCP BBR — Data Link

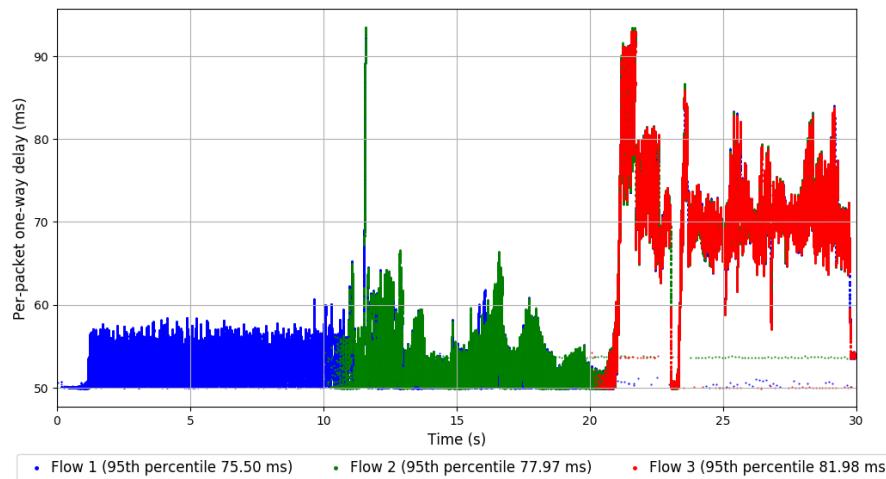
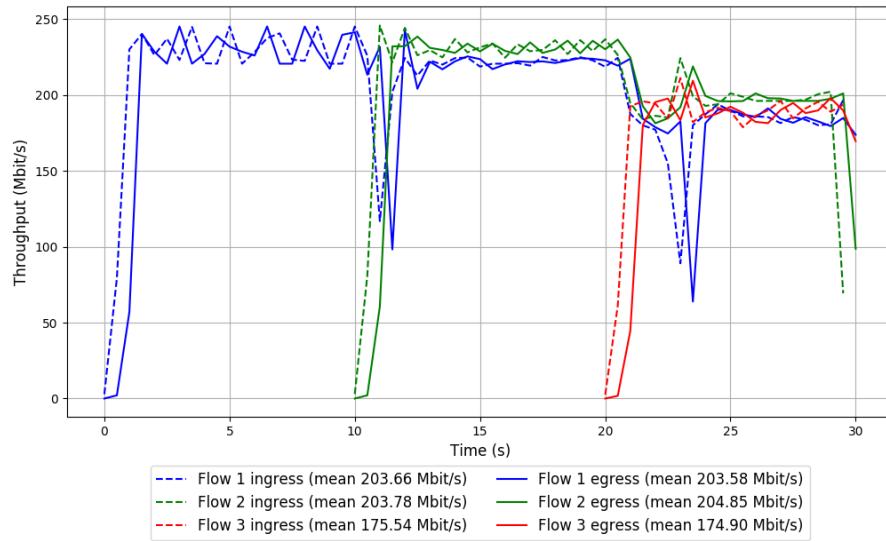


Run 7: Statistics of TCP BBR

```
Start at: 2018-07-12 19:13:36
End at: 2018-07-12 19:14:06
Local clock offset: -0.014 ms
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-07-12 21:13:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 397.25 Mbit/s
95th percentile per-packet one-way delay: 77.971 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 203.58 Mbit/s
95th percentile per-packet one-way delay: 75.505 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 204.85 Mbit/s
95th percentile per-packet one-way delay: 77.972 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 174.90 Mbit/s
95th percentile per-packet one-way delay: 81.980 ms
Loss rate: 1.39%
```

Run 7: Report of TCP BBR — Data Link

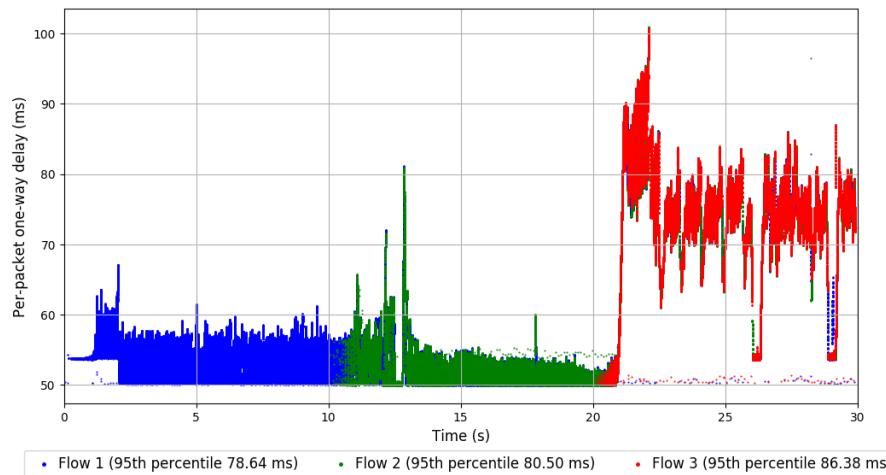
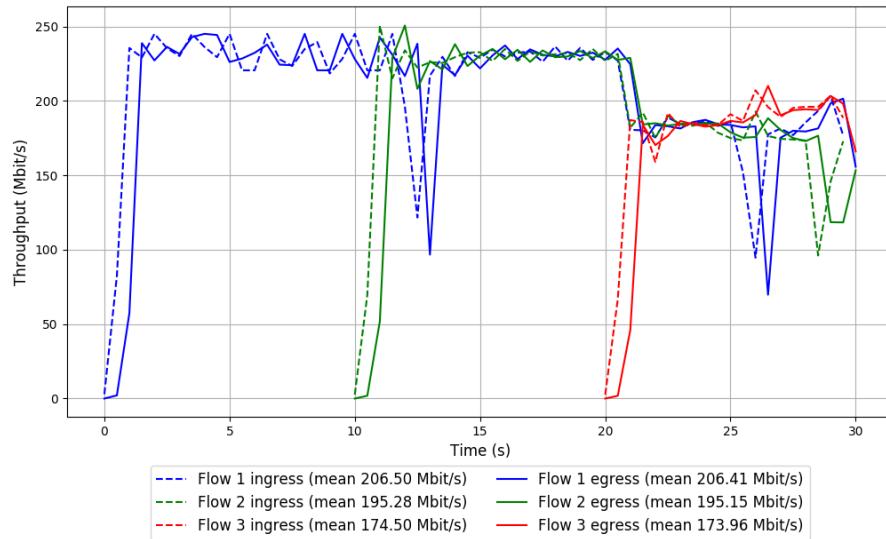


Run 8: Statistics of TCP BBR

```
Start at: 2018-07-12 19:38:58
End at: 2018-07-12 19:39:28
Local clock offset: -0.096 ms
Remote clock offset: -0.238 ms

# Below is generated by plot.py at 2018-07-12 21:13:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 393.56 Mbit/s
95th percentile per-packet one-way delay: 80.846 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 206.41 Mbit/s
95th percentile per-packet one-way delay: 78.644 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 195.15 Mbit/s
95th percentile per-packet one-way delay: 80.502 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 173.96 Mbit/s
95th percentile per-packet one-way delay: 86.379 ms
Loss rate: 1.41%
```

Run 8: Report of TCP BBR — Data Link

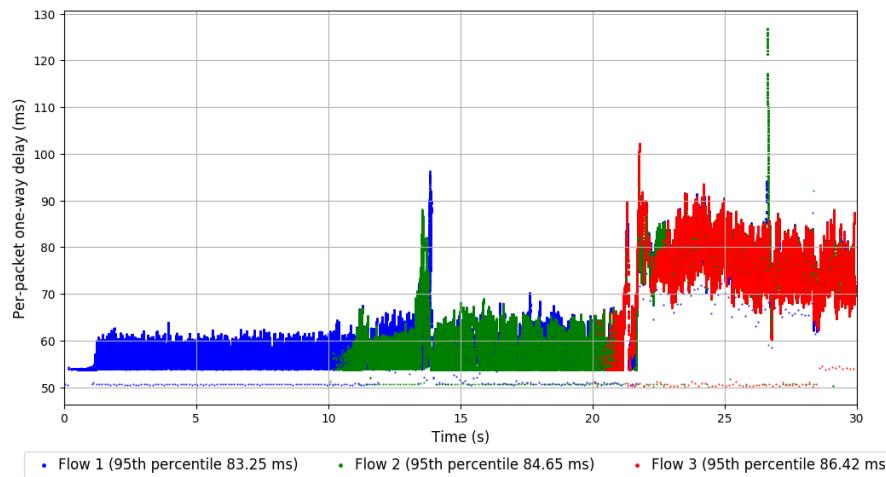
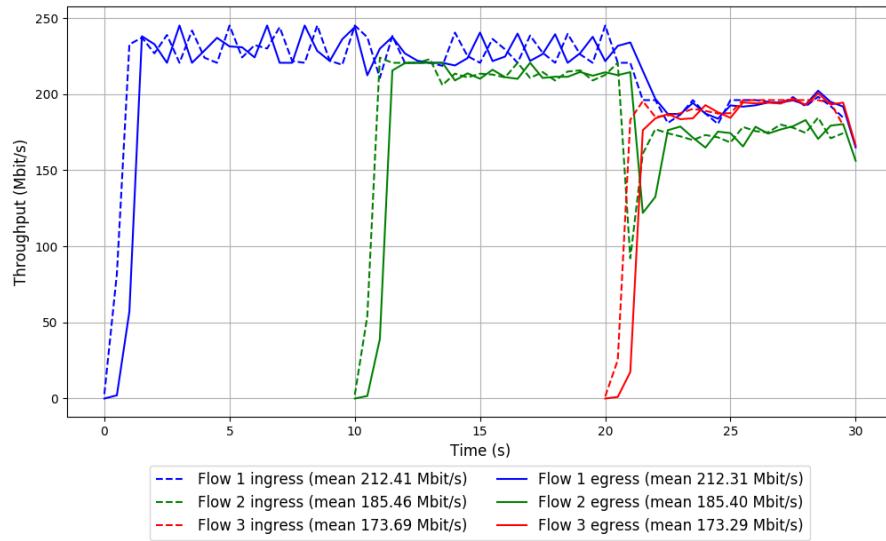


Run 9: Statistics of TCP BBR

```
Start at: 2018-07-12 20:04:21
End at: 2018-07-12 20:04:51
Local clock offset: 0.226 ms
Remote clock offset: -0.141 ms

# Below is generated by plot.py at 2018-07-12 21:19:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 392.82 Mbit/s
95th percentile per-packet one-way delay: 84.375 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 212.31 Mbit/s
95th percentile per-packet one-way delay: 83.254 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 185.40 Mbit/s
95th percentile per-packet one-way delay: 84.653 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 173.29 Mbit/s
95th percentile per-packet one-way delay: 86.417 ms
Loss rate: 1.27%
```

Run 9: Report of TCP BBR — Data Link

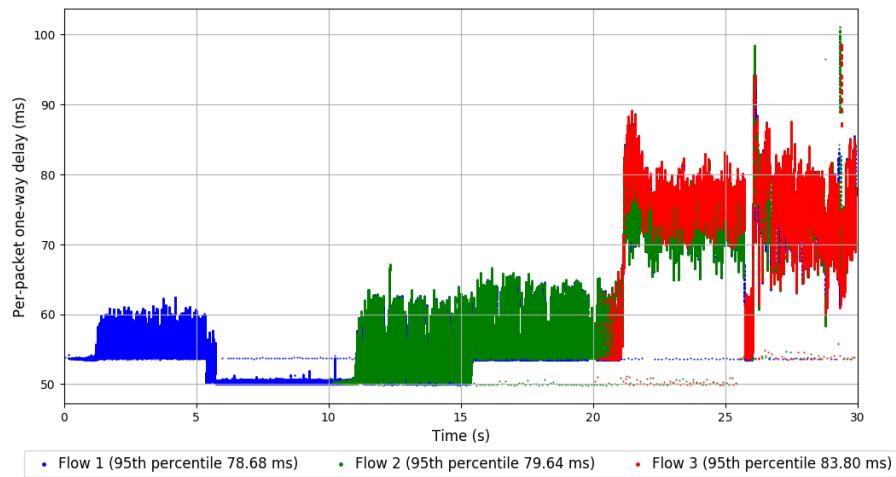
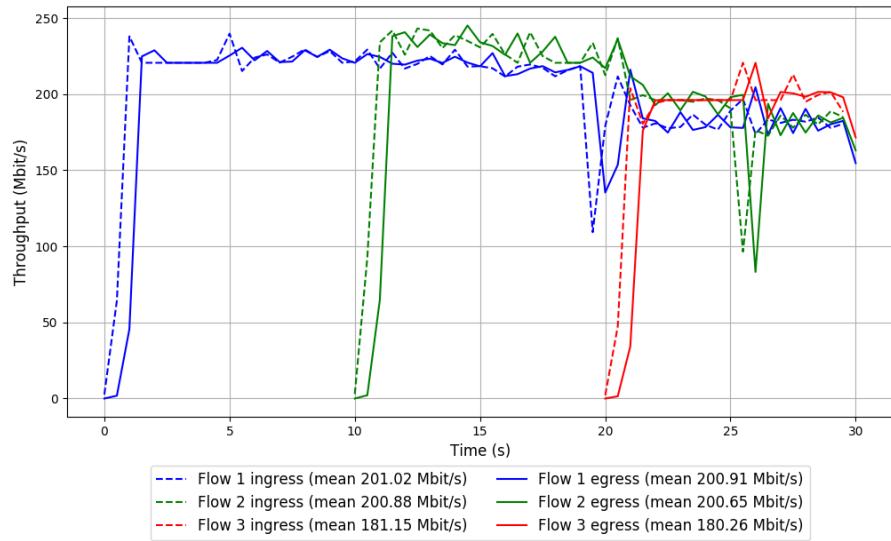


Run 10: Statistics of TCP BBR

```
Start at: 2018-07-12 20:29:34
End at: 2018-07-12 20:30:04
Local clock offset: 0.017 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2018-07-12 21:19:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 393.79 Mbit/s
95th percentile per-packet one-way delay: 80.401 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 200.91 Mbit/s
95th percentile per-packet one-way delay: 78.680 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 200.65 Mbit/s
95th percentile per-packet one-way delay: 79.645 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 180.26 Mbit/s
95th percentile per-packet one-way delay: 83.797 ms
Loss rate: 1.48%
```

Run 10: Report of TCP BBR — Data Link

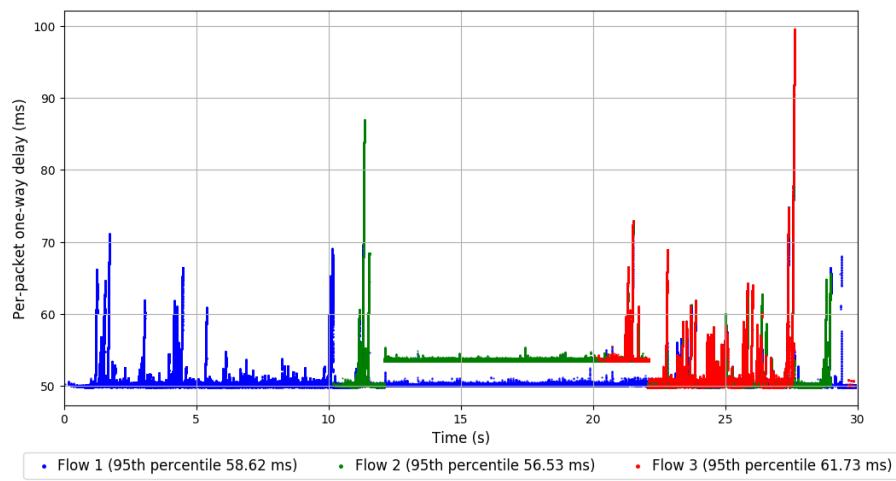
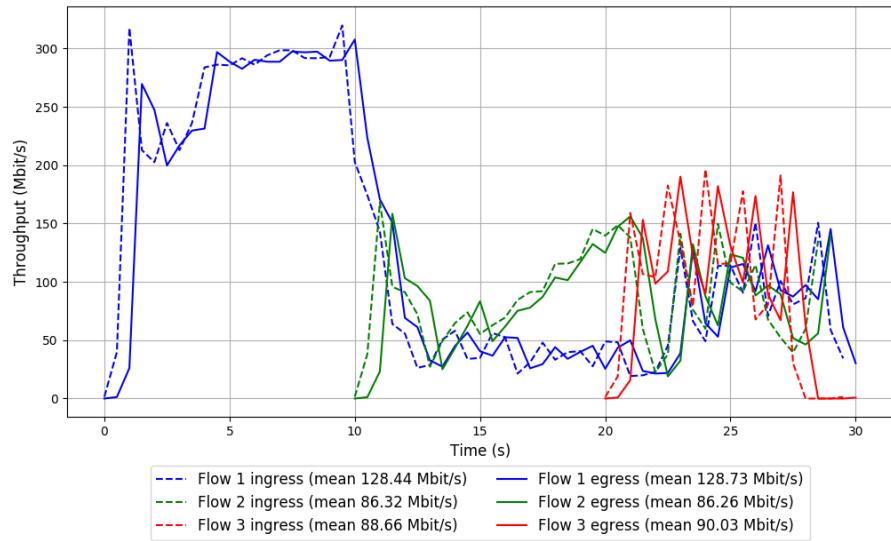


Run 1: Statistics of Copa

```
Start at: 2018-07-12 16:45:48
End at: 2018-07-12 16:46:18
Local clock offset: 0.02 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-07-12 21:19:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 212.87 Mbit/s
95th percentile per-packet one-way delay: 58.565 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 128.73 Mbit/s
95th percentile per-packet one-way delay: 58.619 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 56.534 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 61.731 ms
Loss rate: 0.03%
```

Run 1: Report of Copa — Data Link

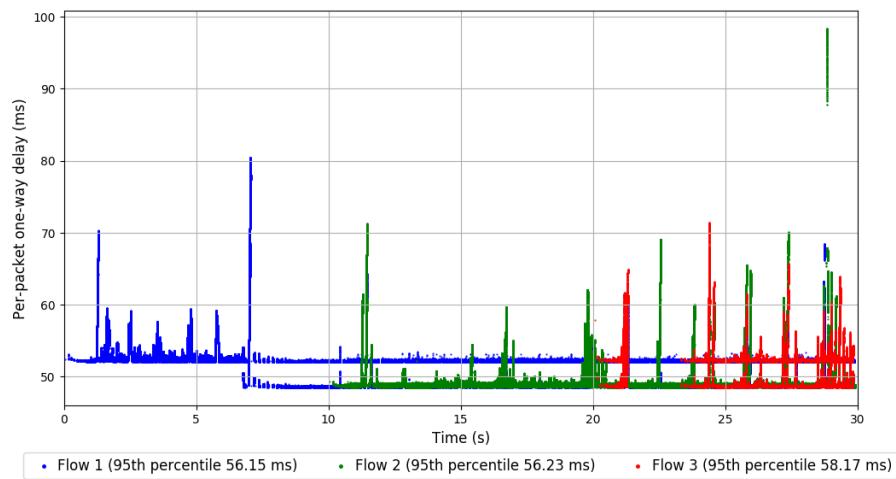
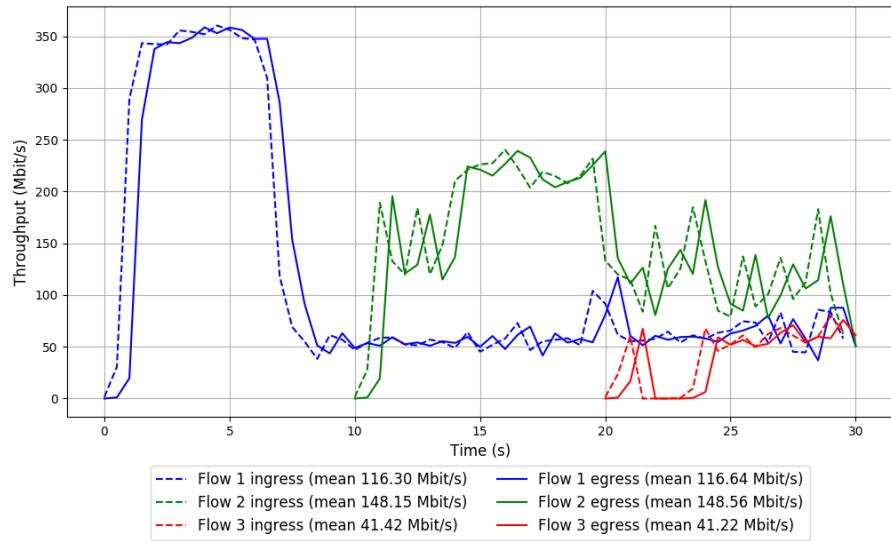


Run 2: Statistics of Copa

```
Start at: 2018-07-12 17:11:43
End at: 2018-07-12 17:12:13
Local clock offset: -0.269 ms
Remote clock offset: 1.059 ms

# Below is generated by plot.py at 2018-07-12 21:20:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 228.83 Mbit/s
95th percentile per-packet one-way delay: 56.275 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 116.64 Mbit/s
95th percentile per-packet one-way delay: 56.148 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 148.56 Mbit/s
95th percentile per-packet one-way delay: 56.232 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 41.22 Mbit/s
95th percentile per-packet one-way delay: 58.175 ms
Loss rate: 1.85%
```

Run 2: Report of Copa — Data Link

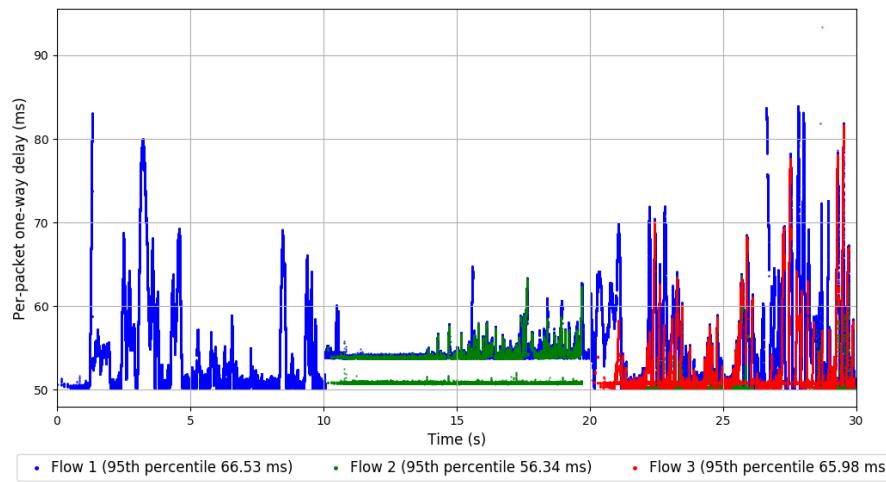
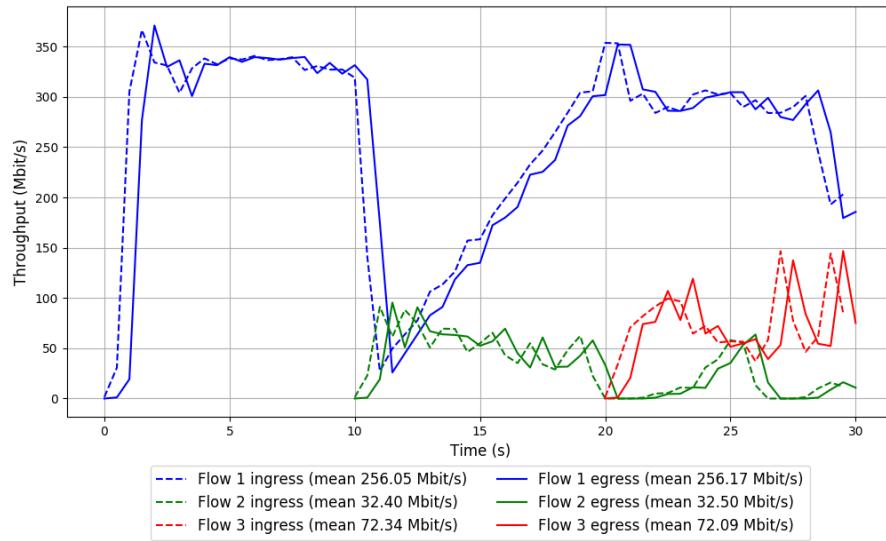


Run 3: Statistics of Copa

```
Start at: 2018-07-12 17:39:50
End at: 2018-07-12 17:40:20
Local clock offset: 0.172 ms
Remote clock offset: -0.221 ms

# Below is generated by plot.py at 2018-07-12 21:23:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 301.56 Mbit/s
95th percentile per-packet one-way delay: 65.895 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 256.17 Mbit/s
95th percentile per-packet one-way delay: 66.528 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 56.338 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 72.09 Mbit/s
95th percentile per-packet one-way delay: 65.977 ms
Loss rate: 1.27%
```

Run 3: Report of Copa — Data Link

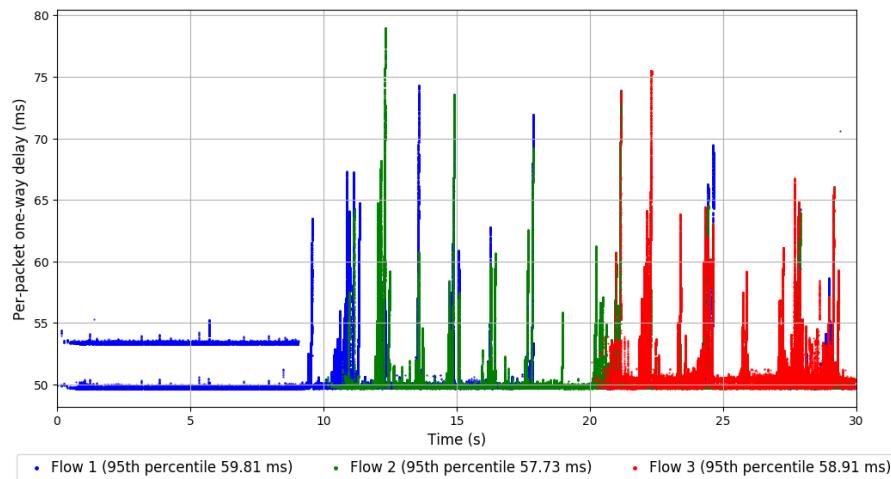
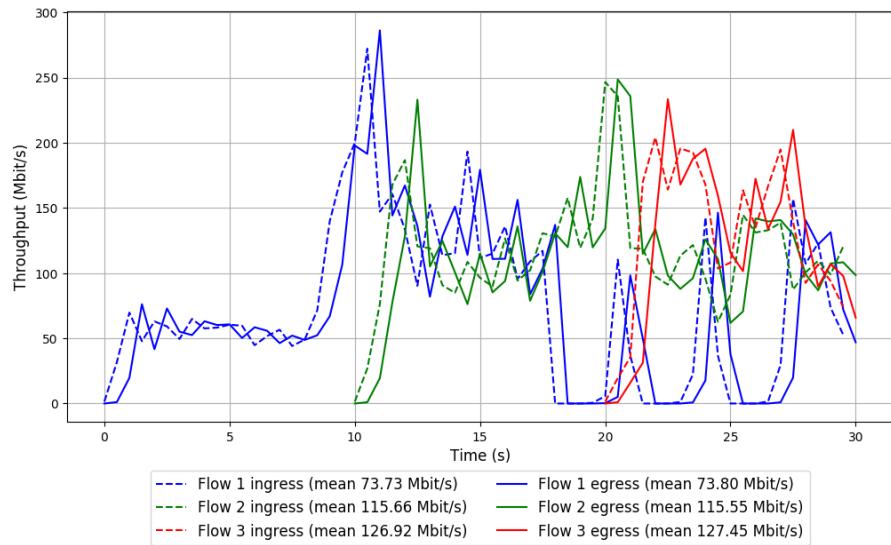


Run 4: Statistics of Copa

```
Start at: 2018-07-12 18:05:11
End at: 2018-07-12 18:05:41
Local clock offset: -0.132 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-07-12 21:23:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 192.67 Mbit/s
95th percentile per-packet one-way delay: 58.797 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 73.80 Mbit/s
95th percentile per-packet one-way delay: 59.815 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 115.55 Mbit/s
95th percentile per-packet one-way delay: 57.730 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 127.45 Mbit/s
95th percentile per-packet one-way delay: 58.915 ms
Loss rate: 0.61%
```

Run 4: Report of Copa — Data Link

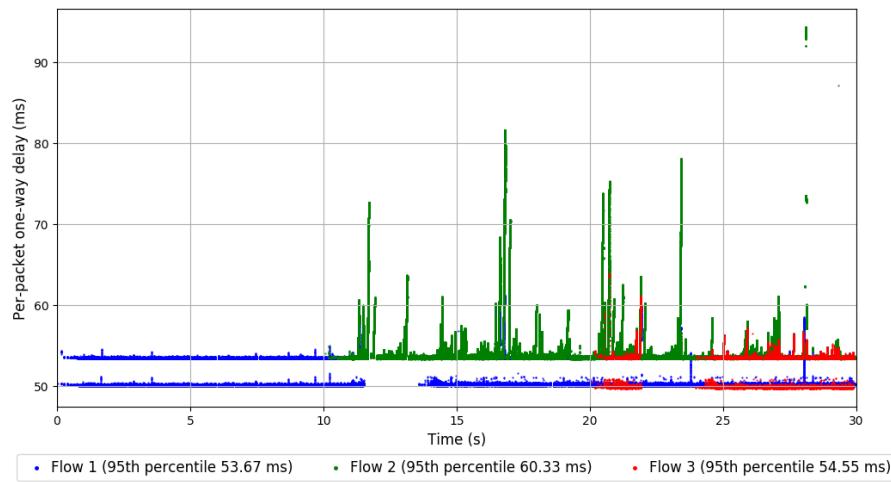
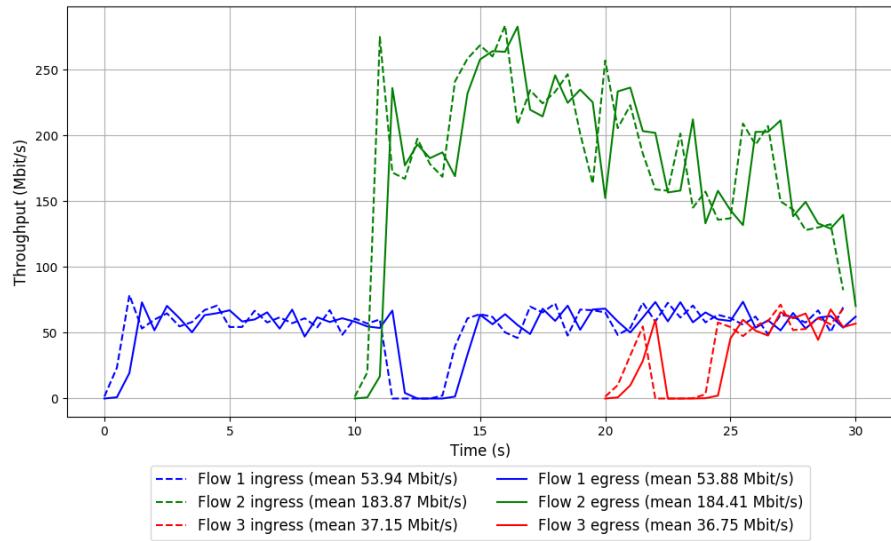


Run 5: Statistics of Copa

```
Start at: 2018-07-12 18:30:03
End at: 2018-07-12 18:30:33
Local clock offset: 0.019 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-07-12 21:23:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 188.56 Mbit/s
95th percentile per-packet one-way delay: 58.413 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 53.88 Mbit/s
95th percentile per-packet one-way delay: 53.670 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 184.41 Mbit/s
95th percentile per-packet one-way delay: 60.333 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 36.75 Mbit/s
95th percentile per-packet one-way delay: 54.555 ms
Loss rate: 2.25%
```

Run 5: Report of Copa — Data Link

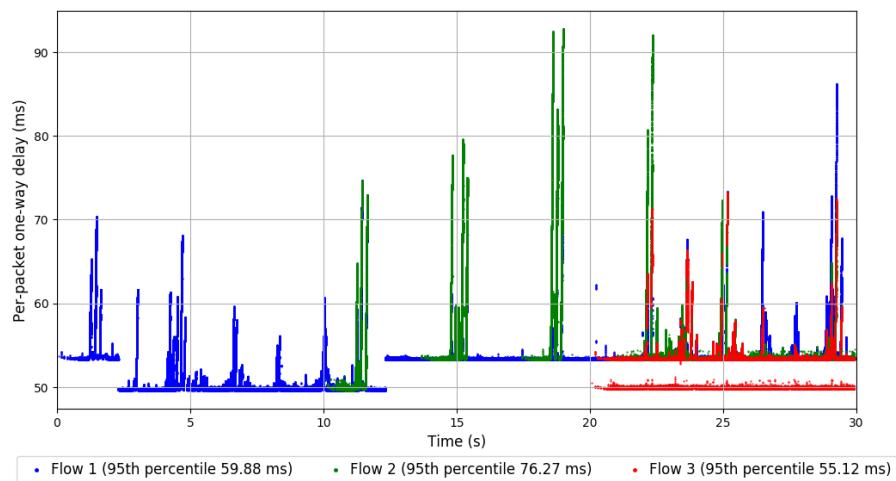
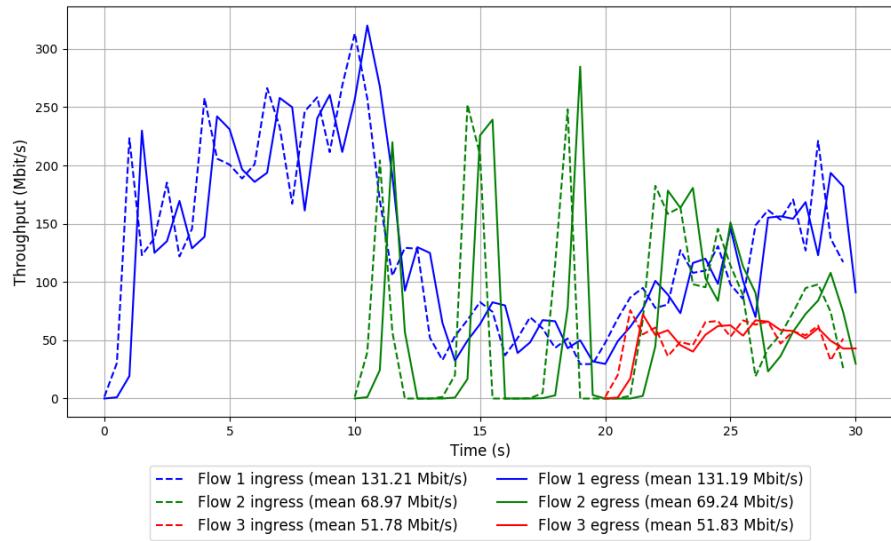


Run 6: Statistics of Copa

```
Start at: 2018-07-12 18:55:07
End at: 2018-07-12 18:55:37
Local clock offset: -0.037 ms
Remote clock offset: 0.143 ms

# Below is generated by plot.py at 2018-07-12 21:23:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 194.32 Mbit/s
95th percentile per-packet one-way delay: 64.471 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 131.19 Mbit/s
95th percentile per-packet one-way delay: 59.878 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 69.24 Mbit/s
95th percentile per-packet one-way delay: 76.268 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 51.83 Mbit/s
95th percentile per-packet one-way delay: 55.115 ms
Loss rate: 1.09%
```

Run 6: Report of Copa — Data Link

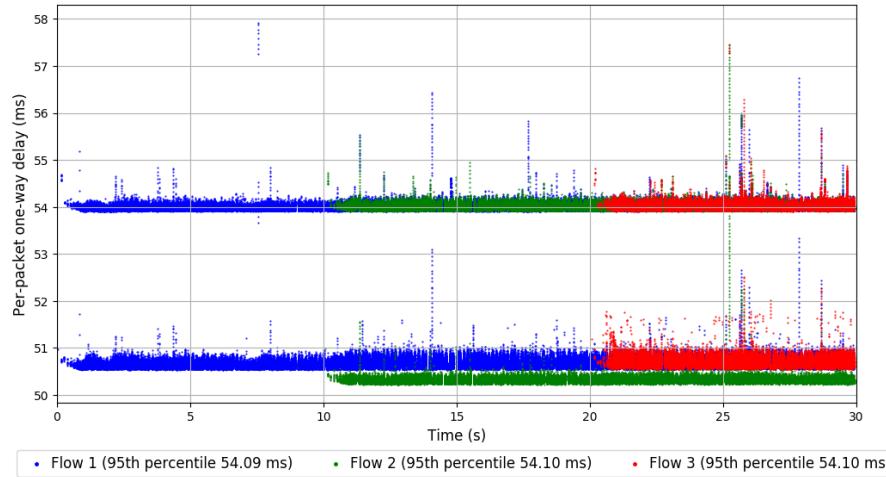
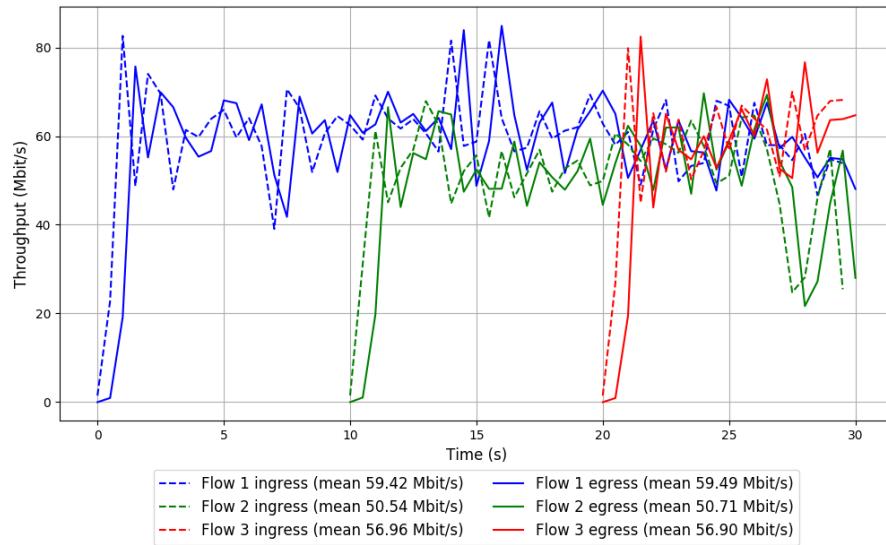


Run 7: Statistics of Copa

```
Start at: 2018-07-12 19:20:36
End at: 2018-07-12 19:21:06
Local clock offset: 0.395 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-07-12 21:23:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 111.97 Mbit/s
95th percentile per-packet one-way delay: 54.095 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: 54.086 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 50.71 Mbit/s
95th percentile per-packet one-way delay: 54.102 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 56.90 Mbit/s
95th percentile per-packet one-way delay: 54.104 ms
Loss rate: 1.13%
```

Run 7: Report of Copa — Data Link

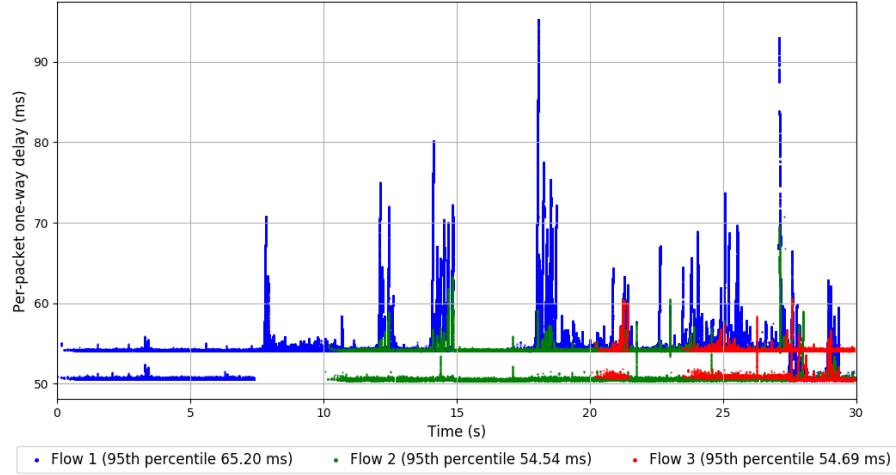
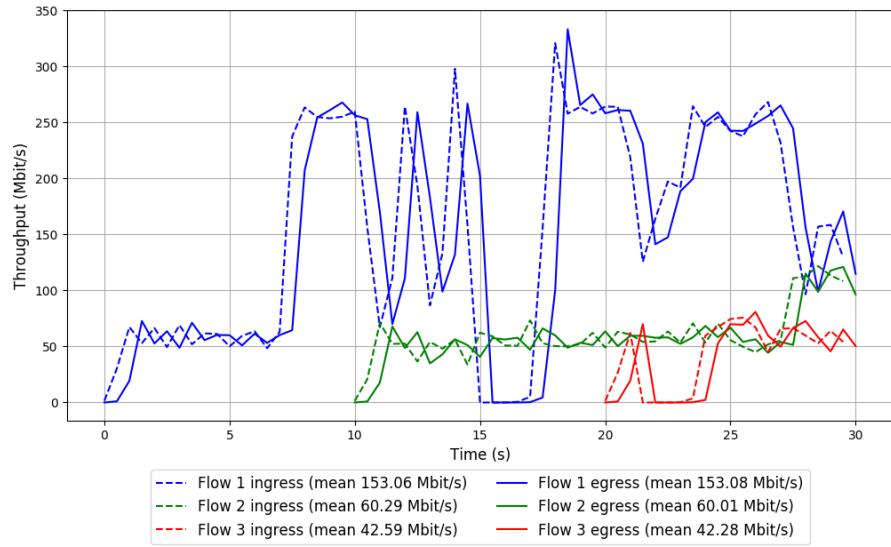


Run 8: Statistics of Copa

```
Start at: 2018-07-12 19:46:02
End at: 2018-07-12 19:46:32
Local clock offset: 0.401 ms
Remote clock offset: -0.232 ms

# Below is generated by plot.py at 2018-07-12 21:26:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 206.94 Mbit/s
95th percentile per-packet one-way delay: 63.388 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 153.08 Mbit/s
95th percentile per-packet one-way delay: 65.202 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 60.01 Mbit/s
95th percentile per-packet one-way delay: 54.540 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 54.690 ms
Loss rate: 1.44%
```

Run 8: Report of Copa — Data Link

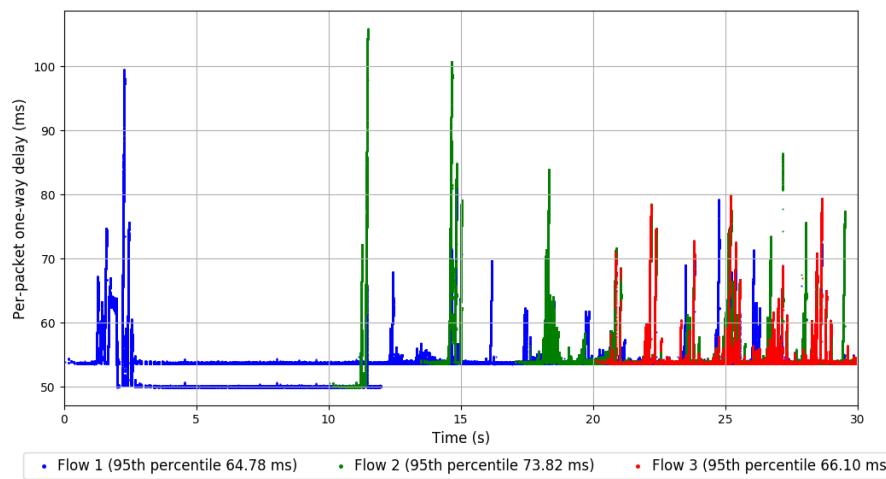
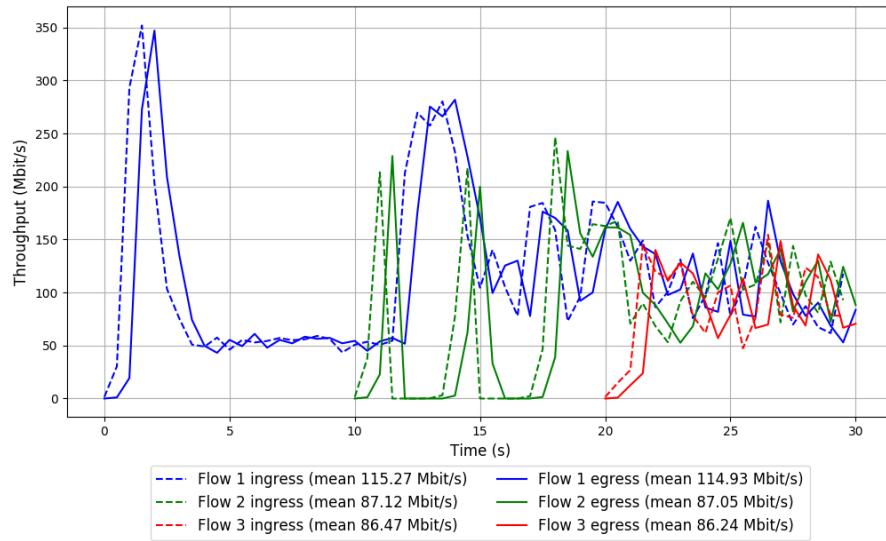


Run 9: Statistics of Copa

```
Start at: 2018-07-12 20:11:18
End at: 2018-07-12 20:11:48
Local clock offset: 0.158 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-07-12 21:26:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 201.29 Mbit/s
95th percentile per-packet one-way delay: 67.824 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 114.93 Mbit/s
95th percentile per-packet one-way delay: 64.782 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 87.05 Mbit/s
95th percentile per-packet one-way delay: 73.823 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 86.24 Mbit/s
95th percentile per-packet one-way delay: 66.099 ms
Loss rate: 1.30%
```

Run 9: Report of Copa — Data Link

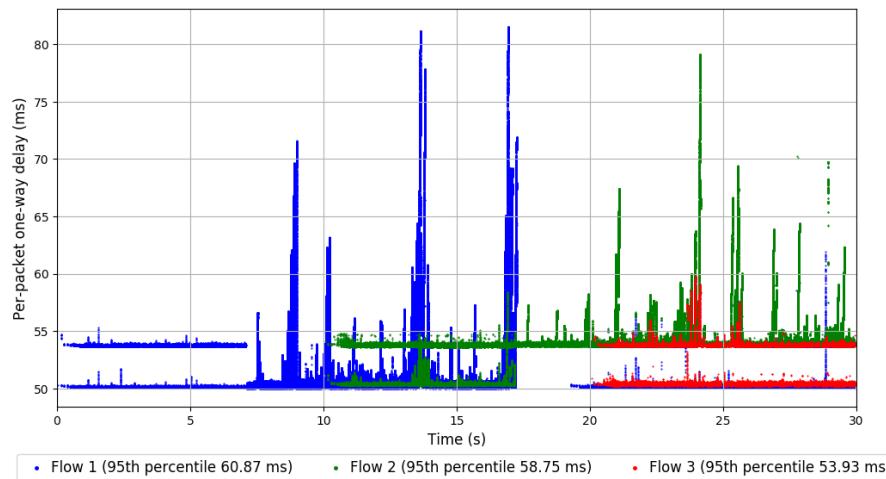
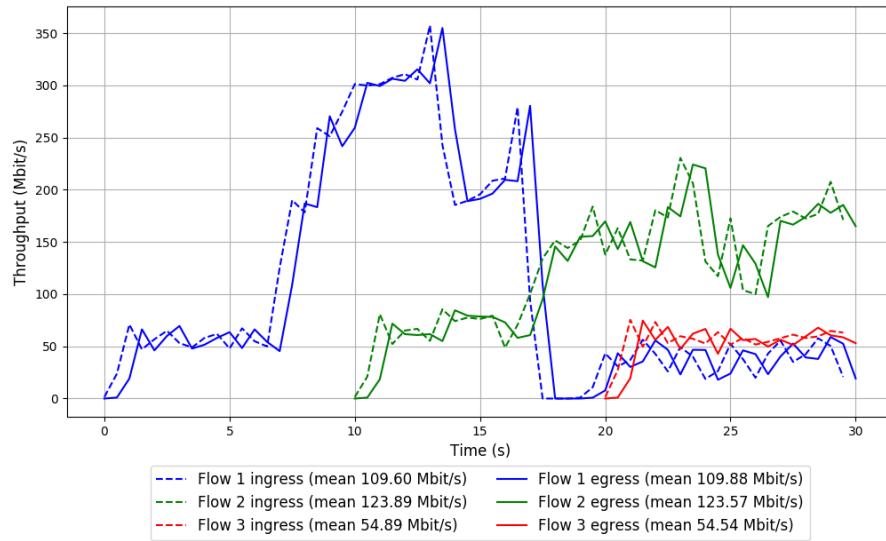


Run 10: Statistics of Copa

```
Start at: 2018-07-12 20:36:33
End at: 2018-07-12 20:37:03
Local clock offset: -0.12 ms
Remote clock offset: -0.42 ms

# Below is generated by plot.py at 2018-07-12 21:26:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 210.06 Mbit/s
95th percentile per-packet one-way delay: 59.165 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 109.88 Mbit/s
95th percentile per-packet one-way delay: 60.868 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 123.57 Mbit/s
95th percentile per-packet one-way delay: 58.752 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 54.54 Mbit/s
95th percentile per-packet one-way delay: 53.934 ms
Loss rate: 1.64%
```

Run 10: Report of Copa — Data Link

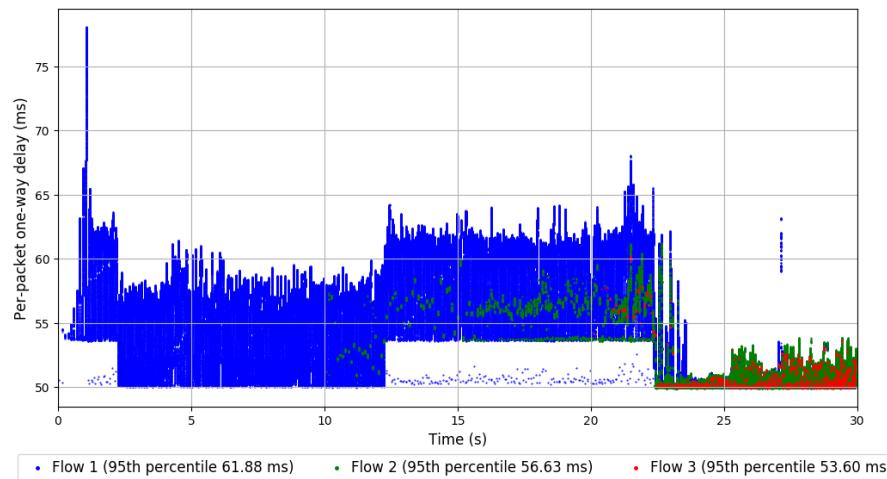
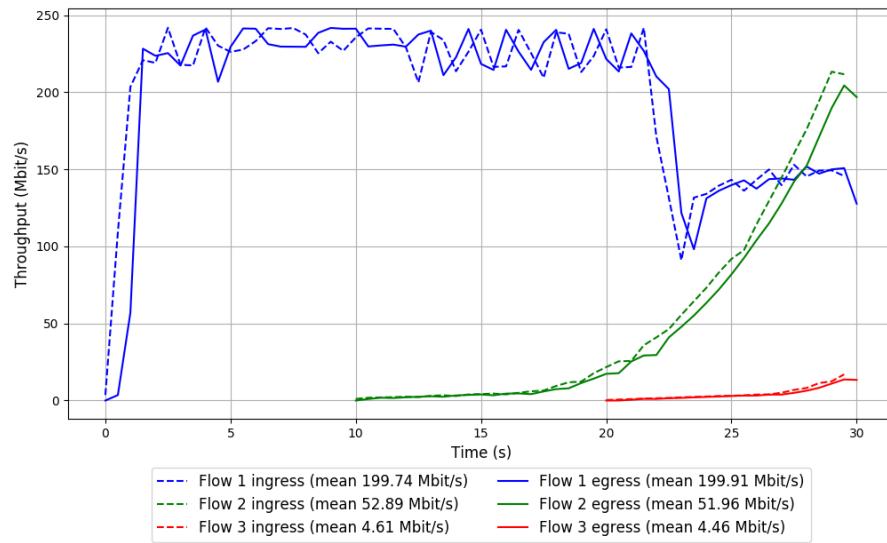


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-07-12 16:44:27
End at: 2018-07-12 16:44:57
Local clock offset: -0.071 ms
Remote clock offset: -0.213 ms

# Below is generated by plot.py at 2018-07-12 21:26:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 235.92 Mbit/s
95th percentile per-packet one-way delay: 61.745 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 199.91 Mbit/s
95th percentile per-packet one-way delay: 61.881 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 51.96 Mbit/s
95th percentile per-packet one-way delay: 56.634 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 53.601 ms
Loss rate: 4.35%
```

Run 1: Report of TCP Cubic — Data Link

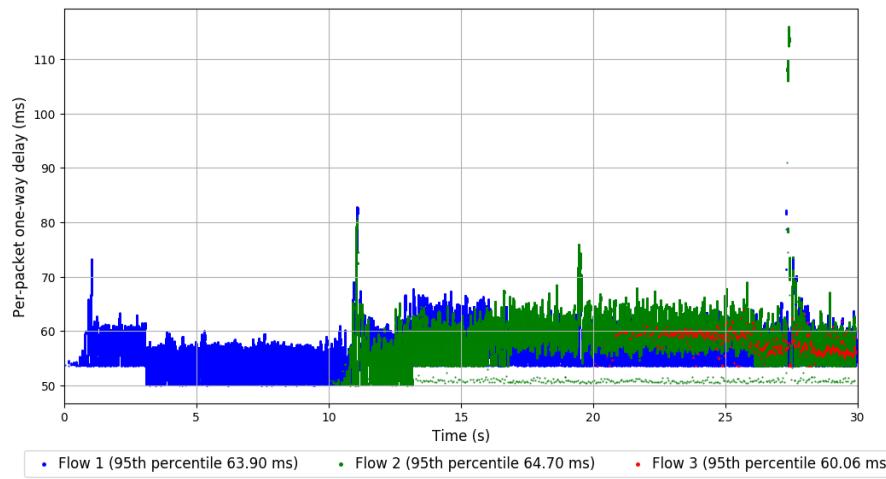
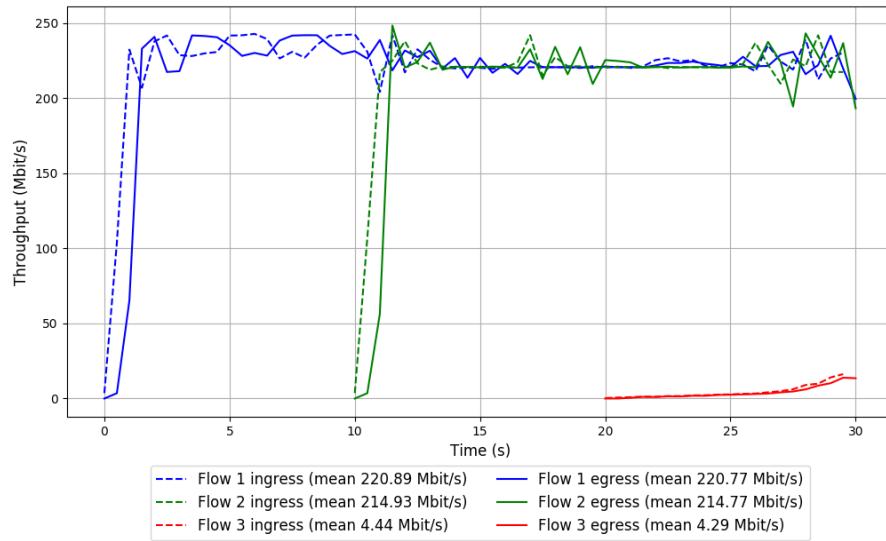


Run 2: Statistics of TCP Cubic

```
Start at: 2018-07-12 17:10:17
End at: 2018-07-12 17:10:47
Local clock offset: 0.085 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-07-12 21:26:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 364.75 Mbit/s
95th percentile per-packet one-way delay: 64.294 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 220.77 Mbit/s
95th percentile per-packet one-way delay: 63.897 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 214.77 Mbit/s
95th percentile per-packet one-way delay: 64.698 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 60.061 ms
Loss rate: 4.51%
```

Run 2: Report of TCP Cubic — Data Link

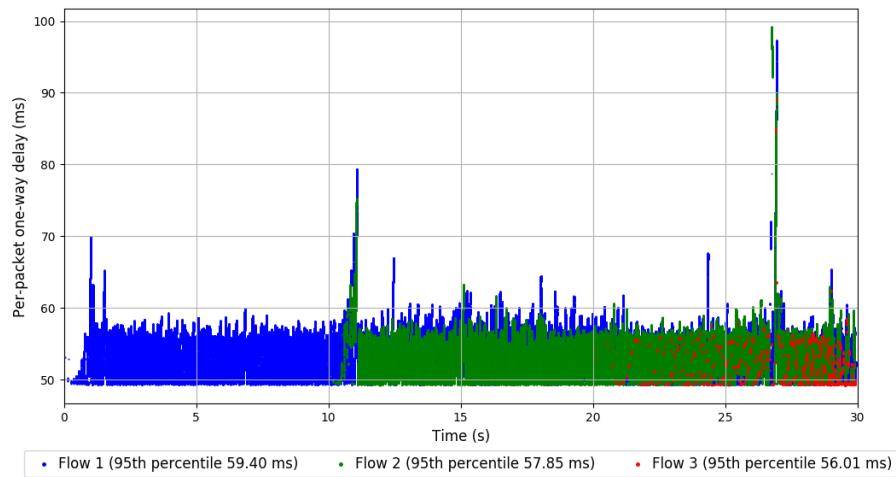
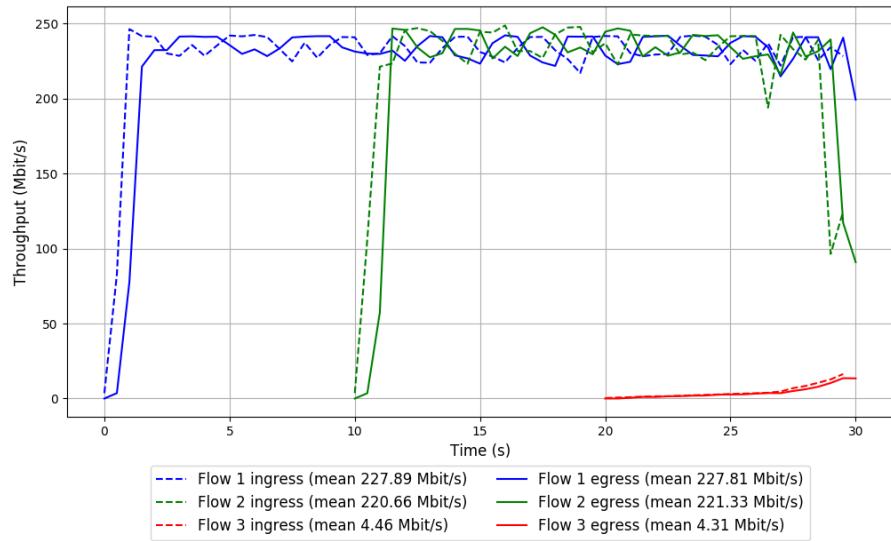


Run 3: Statistics of TCP Cubic

```
Start at: 2018-07-12 17:38:22
End at: 2018-07-12 17:38:52
Local clock offset: -0.327 ms
Remote clock offset: 0.257 ms

# Below is generated by plot.py at 2018-07-12 21:26:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 376.00 Mbit/s
95th percentile per-packet one-way delay: 58.934 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 227.81 Mbit/s
95th percentile per-packet one-way delay: 59.399 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 221.33 Mbit/s
95th percentile per-packet one-way delay: 57.849 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 56.014 ms
Loss rate: 4.43%
```

Run 3: Report of TCP Cubic — Data Link

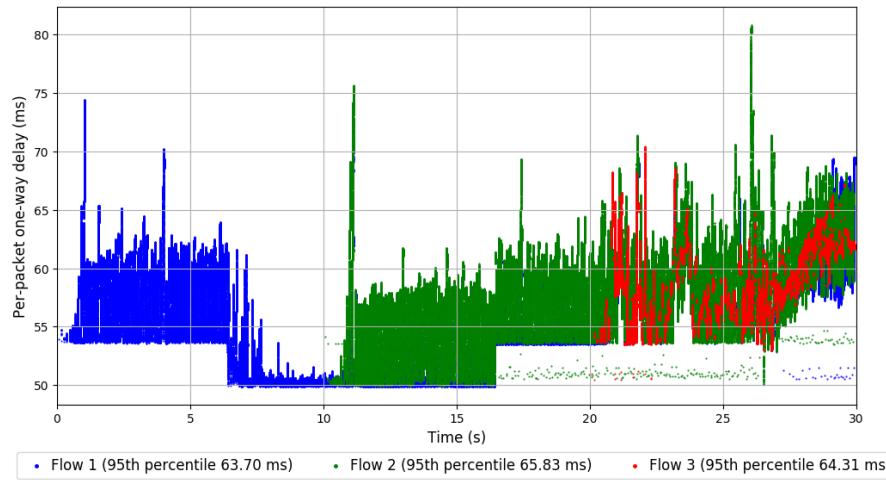
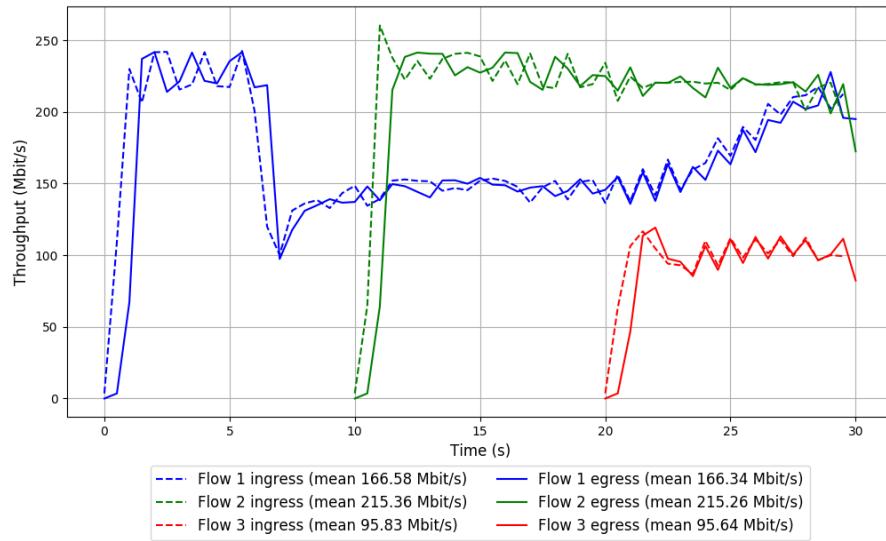


Run 4: Statistics of TCP Cubic

```
Start at: 2018-07-12 18:03:43
End at: 2018-07-12 18:04:13
Local clock offset: 0.119 ms
Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2018-07-12 21:29:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 340.91 Mbit/s
95th percentile per-packet one-way delay: 64.958 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 166.34 Mbit/s
95th percentile per-packet one-way delay: 63.703 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 215.26 Mbit/s
95th percentile per-packet one-way delay: 65.832 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 64.315 ms
Loss rate: 1.24%
```

Run 4: Report of TCP Cubic — Data Link

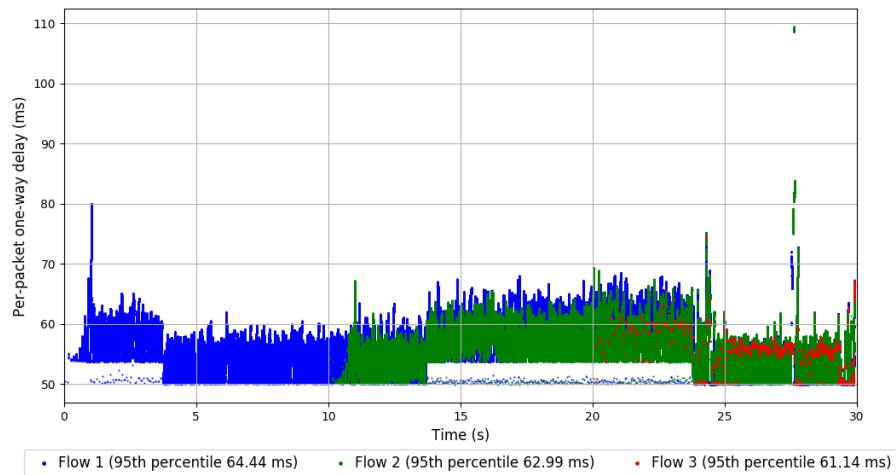
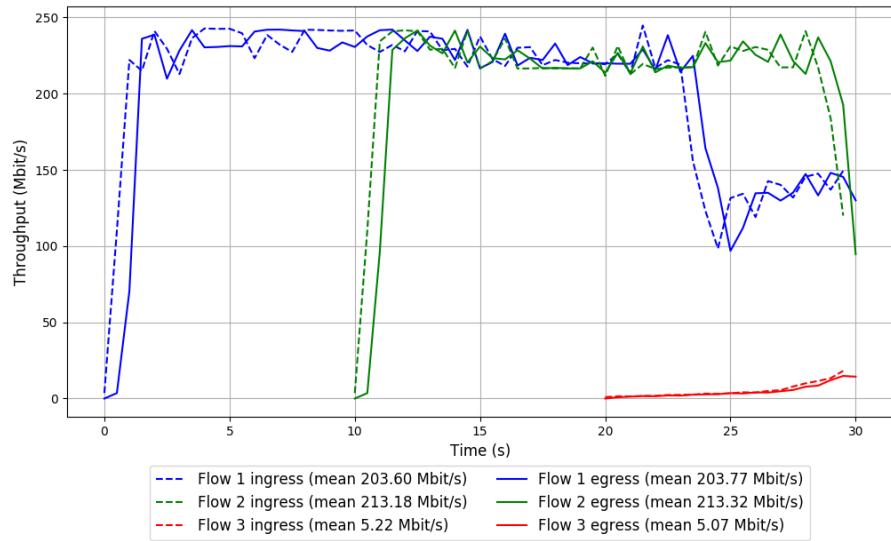


Run 5: Statistics of TCP Cubic

```
Start at: 2018-07-12 18:28:36
End at: 2018-07-12 18:29:06
Local clock offset: 0.022 ms
Remote clock offset: -0.12 ms

# Below is generated by plot.py at 2018-07-12 21:29:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 347.23 Mbit/s
95th percentile per-packet one-way delay: 63.993 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 203.77 Mbit/s
95th percentile per-packet one-way delay: 64.440 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 213.32 Mbit/s
95th percentile per-packet one-way delay: 62.995 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 61.139 ms
Loss rate: 3.90%
```

Run 5: Report of TCP Cubic — Data Link

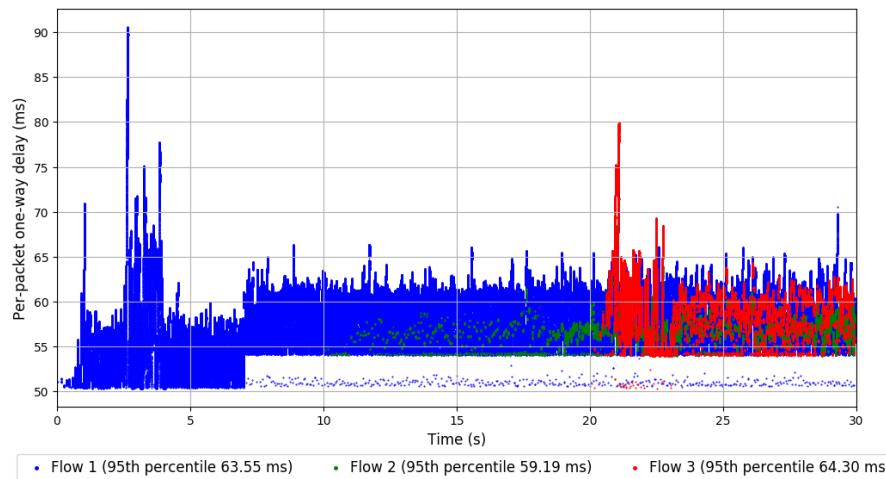
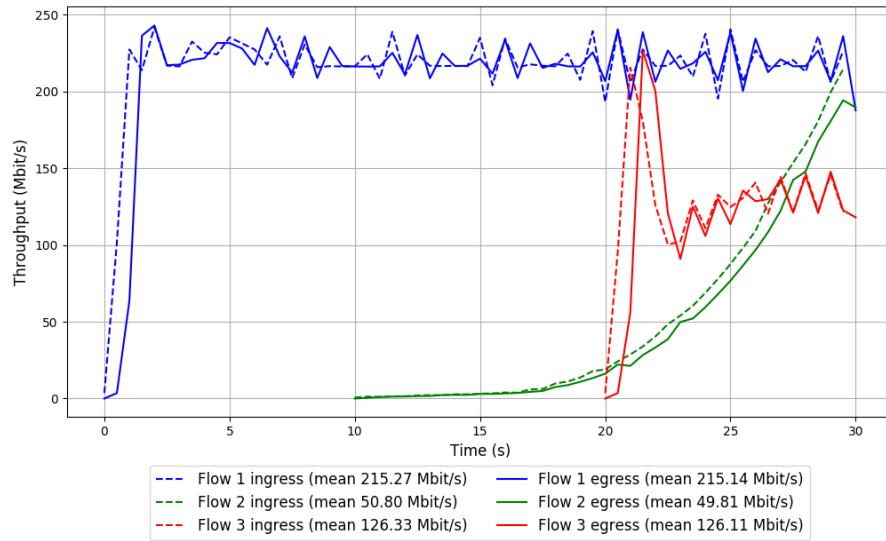


Run 6: Statistics of TCP Cubic

```
Start at: 2018-07-12 18:53:43
End at: 2018-07-12 18:54:13
Local clock offset: 0.606 ms
Remote clock offset: 0.079 ms

# Below is generated by plot.py at 2018-07-12 21:29:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 289.81 Mbit/s
95th percentile per-packet one-way delay: 63.466 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 215.14 Mbit/s
95th percentile per-packet one-way delay: 63.554 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 49.81 Mbit/s
95th percentile per-packet one-way delay: 59.186 ms
Loss rate: 2.47%
-- Flow 3:
Average throughput: 126.11 Mbit/s
95th percentile per-packet one-way delay: 64.298 ms
Loss rate: 1.18%
```

Run 6: Report of TCP Cubic — Data Link

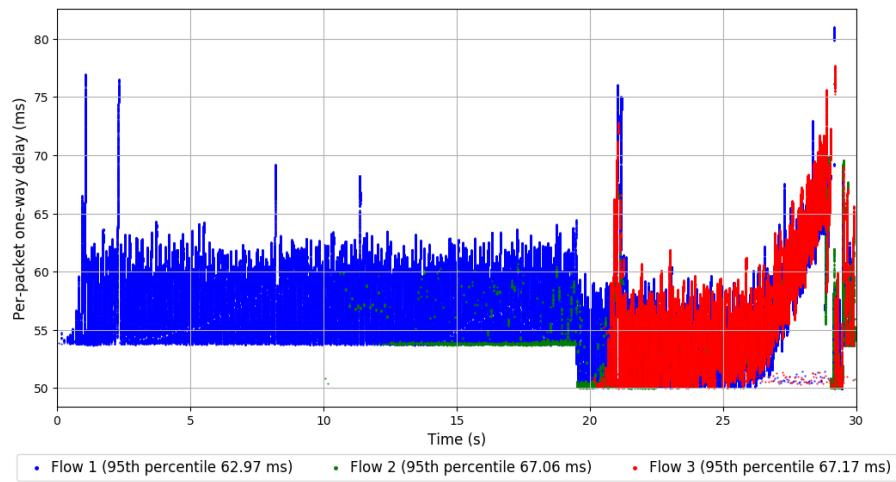
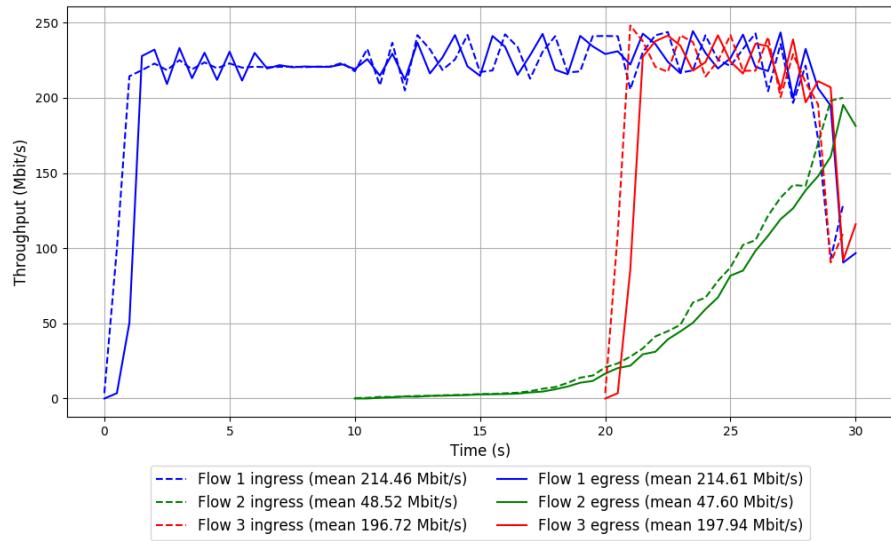


Run 7: Statistics of TCP Cubic

```
Start at: 2018-07-12 19:19:10
End at: 2018-07-12 19:19:40
Local clock offset: -0.036 ms
Remote clock offset: -0.18 ms

# Below is generated by plot.py at 2018-07-12 21:31:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 311.38 Mbit/s
95th percentile per-packet one-way delay: 64.917 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 214.61 Mbit/s
95th percentile per-packet one-way delay: 62.969 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 47.60 Mbit/s
95th percentile per-packet one-way delay: 67.055 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 197.94 Mbit/s
95th percentile per-packet one-way delay: 67.172 ms
Loss rate: 0.43%
```

Run 7: Report of TCP Cubic — Data Link

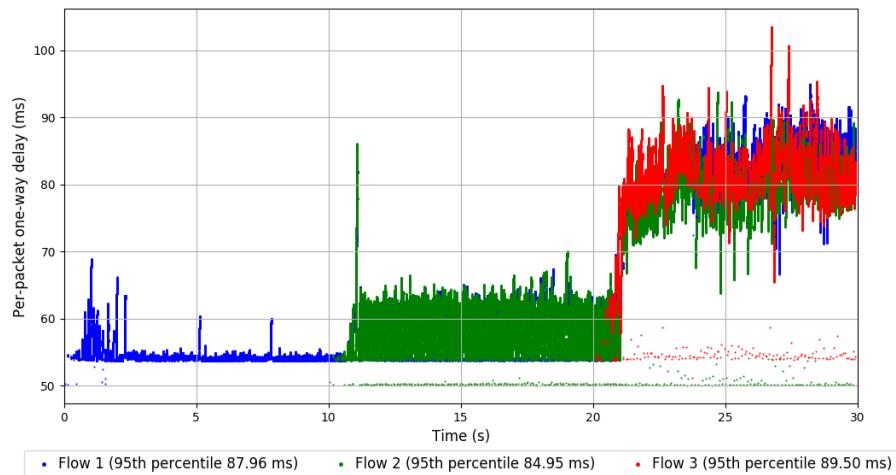
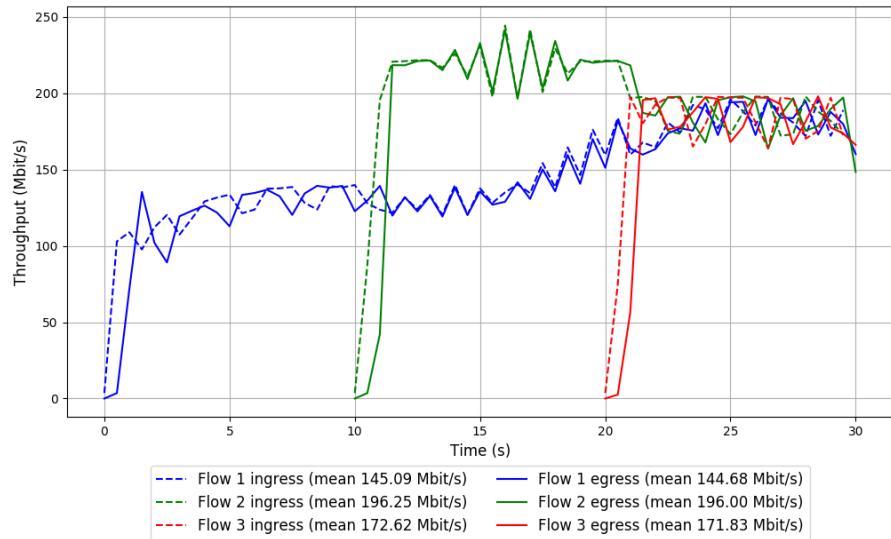


Run 8: Statistics of TCP Cubic

```
Start at: 2018-07-12 19:44:35
End at: 2018-07-12 19:45:05
Local clock offset: -0.036 ms
Remote clock offset: -0.279 ms

# Below is generated by plot.py at 2018-07-12 21:32:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 331.44 Mbit/s
95th percentile per-packet one-way delay: 87.534 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 144.68 Mbit/s
95th percentile per-packet one-way delay: 87.956 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 196.00 Mbit/s
95th percentile per-packet one-way delay: 84.954 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 171.83 Mbit/s
95th percentile per-packet one-way delay: 89.499 ms
Loss rate: 1.43%
```

Run 8: Report of TCP Cubic — Data Link

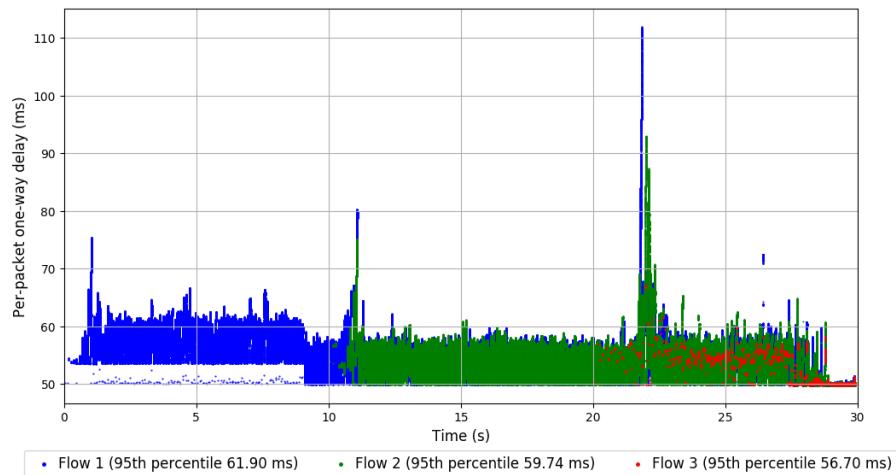
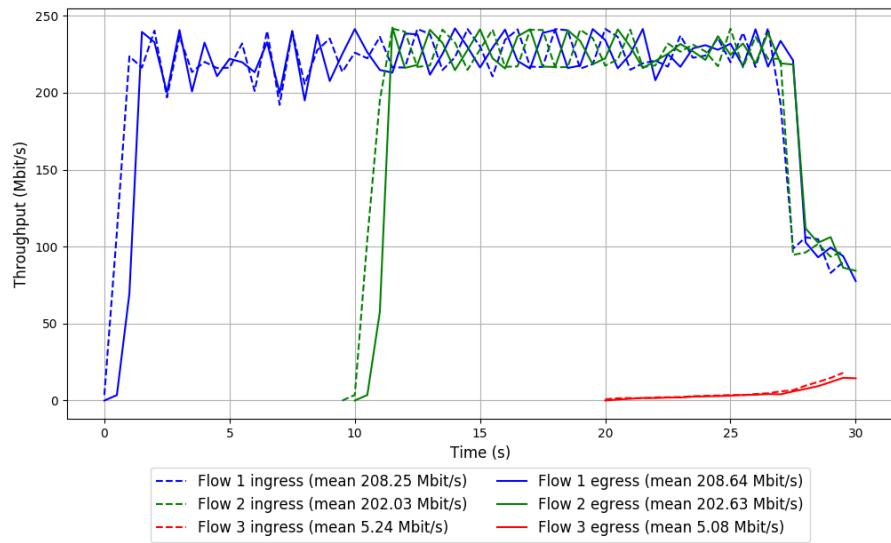


Run 9: Statistics of TCP Cubic

```
Start at: 2018-07-12 20:09:51
End at: 2018-07-12 20:10:21
Local clock offset: -0.055 ms
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-07-12 21:32:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 345.06 Mbit/s
95th percentile per-packet one-way delay: 61.557 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 208.64 Mbit/s
95th percentile per-packet one-way delay: 61.898 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 202.63 Mbit/s
95th percentile per-packet one-way delay: 59.744 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 5.08 Mbit/s
95th percentile per-packet one-way delay: 56.695 ms
Loss rate: 3.91%
```

Run 9: Report of TCP Cubic — Data Link

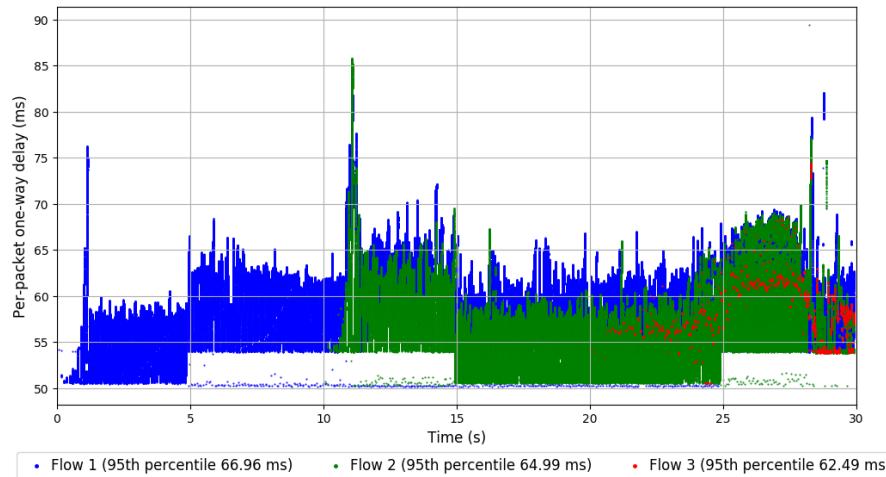
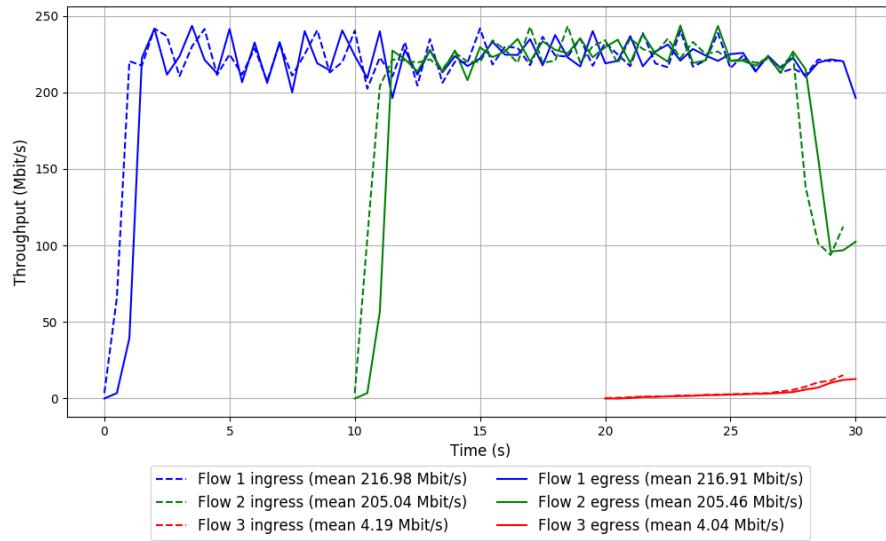


Run 10: Statistics of TCP Cubic

```
Start at: 2018-07-12 20:35:05
End at: 2018-07-12 20:35:35
Local clock offset: -0.002 ms
Remote clock offset: -0.46 ms

# Below is generated by plot.py at 2018-07-12 21:32:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 354.82 Mbit/s
95th percentile per-packet one-way delay: 66.467 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 216.91 Mbit/s
95th percentile per-packet one-way delay: 66.958 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 205.46 Mbit/s
95th percentile per-packet one-way delay: 64.986 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 62.489 ms
Loss rate: 4.56%
```

Run 10: Report of TCP Cubic — Data Link

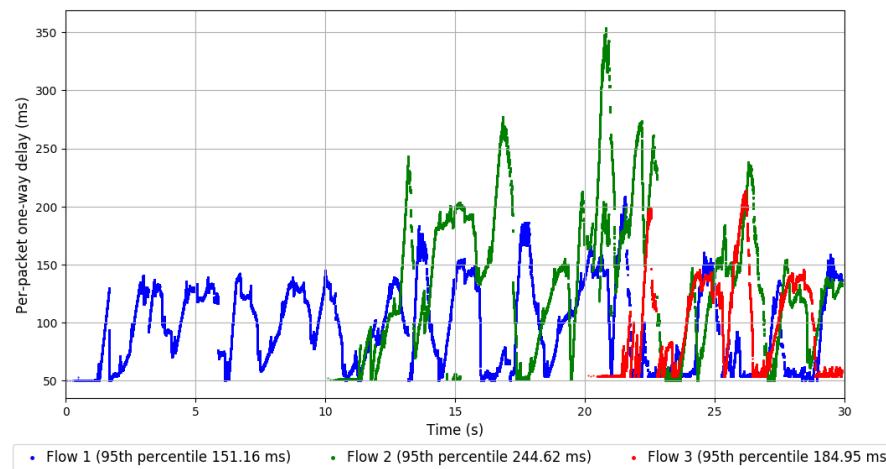
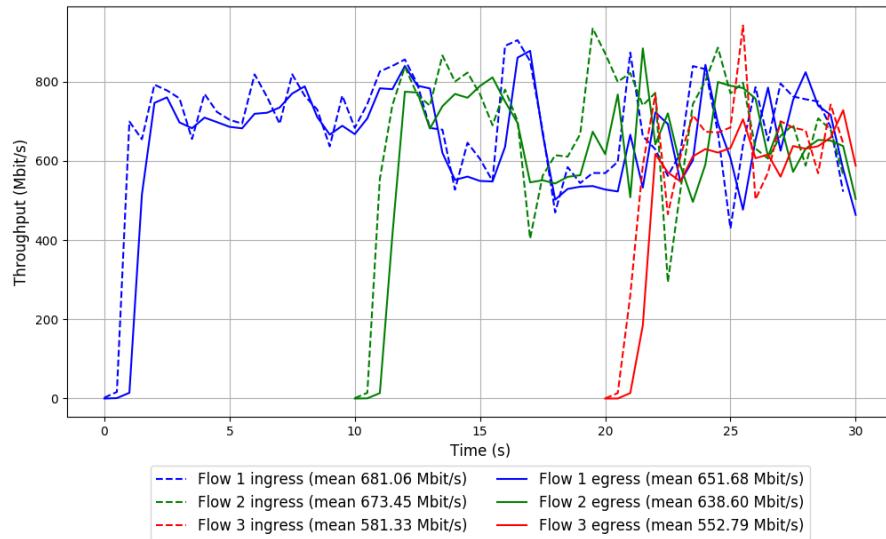


```
Run 1: Statistics of FillP

Start at: 2018-07-12 16:32:59
End at: 2018-07-12 16:33:29
Local clock offset: -0.151 ms
Remote clock offset: -0.349 ms

# Below is generated by plot.py at 2018-07-12 21:54:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1256.56 Mbit/s
95th percentile per-packet one-way delay: 200.217 ms
Loss rate: 5.19%
-- Flow 1:
Average throughput: 651.68 Mbit/s
95th percentile per-packet one-way delay: 151.163 ms
Loss rate: 4.65%
-- Flow 2:
Average throughput: 638.60 Mbit/s
95th percentile per-packet one-way delay: 244.625 ms
Loss rate: 5.69%
-- Flow 3:
Average throughput: 552.79 Mbit/s
95th percentile per-packet one-way delay: 184.946 ms
Loss rate: 5.98%
```

Run 1: Report of FillP — Data Link

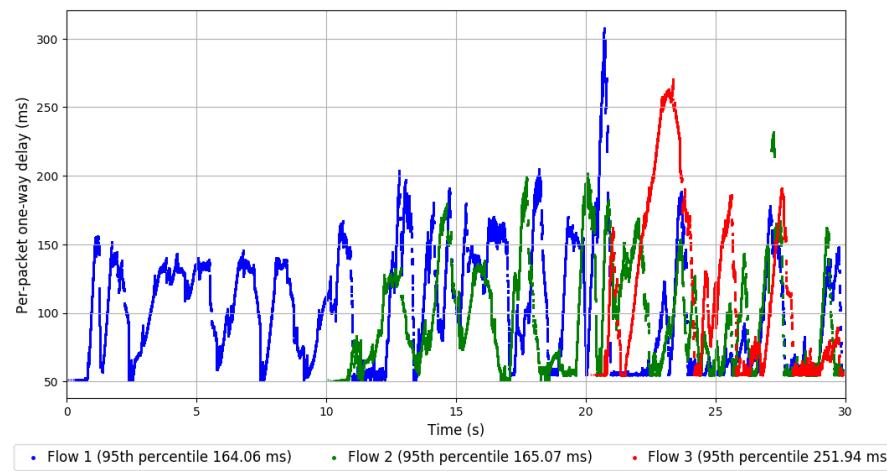
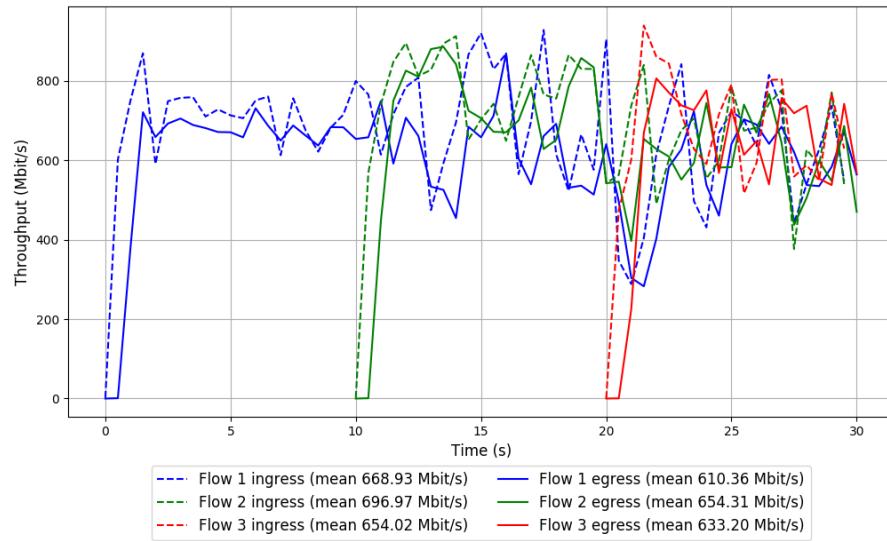


Run 2: Statistics of FillP

```
Start at: 2018-07-12 16:57:51
End at: 2018-07-12 16:58:21
Local clock offset: -0.179 ms
Remote clock offset: -1.386 ms

# Below is generated by plot.py at 2018-07-12 21:56:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1253.59 Mbit/s
95th percentile per-packet one-way delay: 178.809 ms
Loss rate: 7.45%
-- Flow 1:
Average throughput: 610.36 Mbit/s
95th percentile per-packet one-way delay: 164.056 ms
Loss rate: 9.08%
-- Flow 2:
Average throughput: 654.31 Mbit/s
95th percentile per-packet one-way delay: 165.066 ms
Loss rate: 6.61%
-- Flow 3:
Average throughput: 633.20 Mbit/s
95th percentile per-packet one-way delay: 251.940 ms
Loss rate: 4.25%
```

Run 2: Report of FillP — Data Link

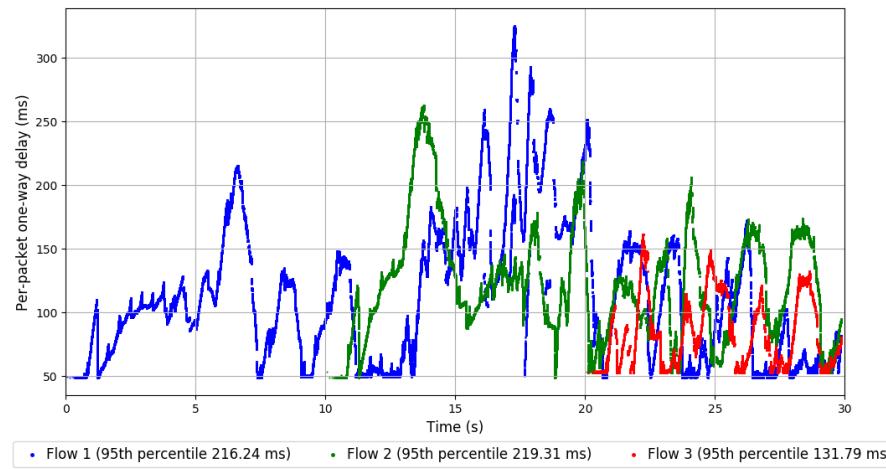
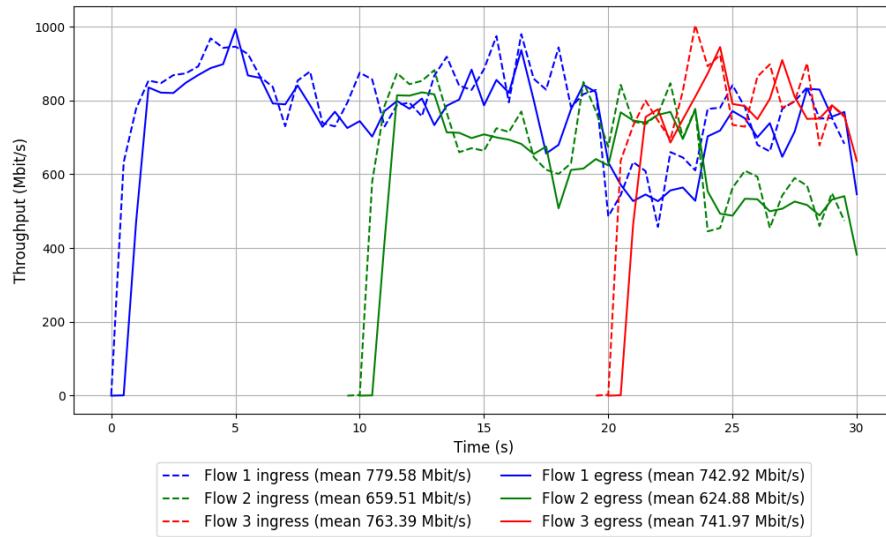


Run 3: Statistics of FillP

```
Start at: 2018-07-12 17:25:00
End at: 2018-07-12 17:25:30
Local clock offset: -0.15 ms
Remote clock offset: 1.098 ms

# Below is generated by plot.py at 2018-07-12 22:00:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1402.76 Mbit/s
95th percentile per-packet one-way delay: 209.093 ms
Loss rate: 5.05%
-- Flow 1:
Average throughput: 742.92 Mbit/s
95th percentile per-packet one-way delay: 216.239 ms
Loss rate: 5.04%
-- Flow 2:
Average throughput: 624.88 Mbit/s
95th percentile per-packet one-way delay: 219.308 ms
Loss rate: 5.76%
-- Flow 3:
Average throughput: 741.97 Mbit/s
95th percentile per-packet one-way delay: 131.790 ms
Loss rate: 3.88%
```

Run 3: Report of FillP — Data Link

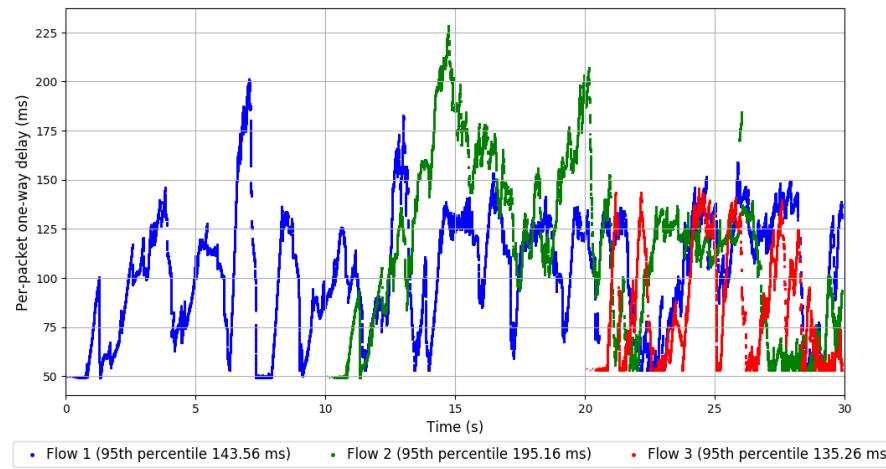
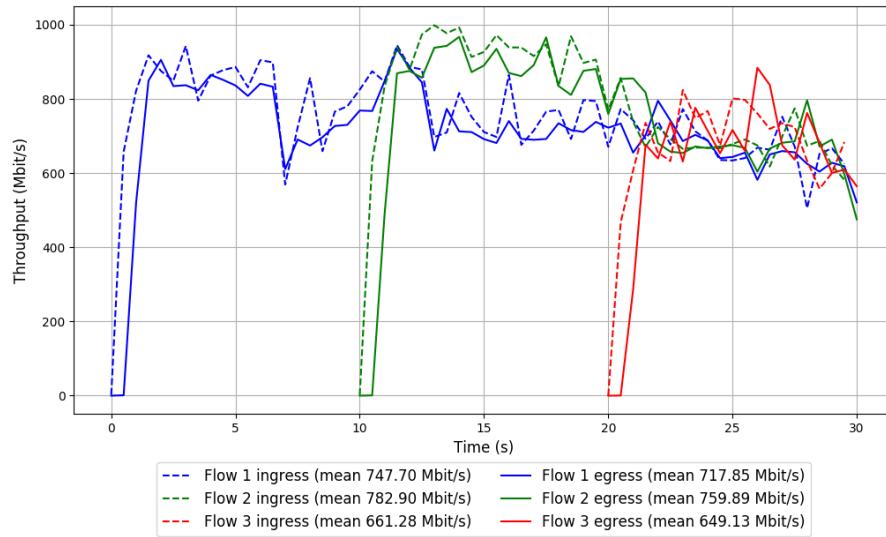


Run 4: Statistics of FillP

```
Start at: 2018-07-12 17:52:00
End at: 2018-07-12 17:52:30
Local clock offset: -0.341 ms
Remote clock offset: 0.131 ms

# Below is generated by plot.py at 2018-07-12 22:01:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1436.33 Mbit/s
95th percentile per-packet one-way delay: 169.718 ms
Loss rate: 3.81%
-- Flow 1:
Average throughput: 717.85 Mbit/s
95th percentile per-packet one-way delay: 143.558 ms
Loss rate: 4.33%
-- Flow 2:
Average throughput: 759.89 Mbit/s
95th percentile per-packet one-way delay: 195.155 ms
Loss rate: 3.45%
-- Flow 3:
Average throughput: 649.13 Mbit/s
95th percentile per-packet one-way delay: 135.258 ms
Loss rate: 2.91%
```

Run 4: Report of FillP — Data Link

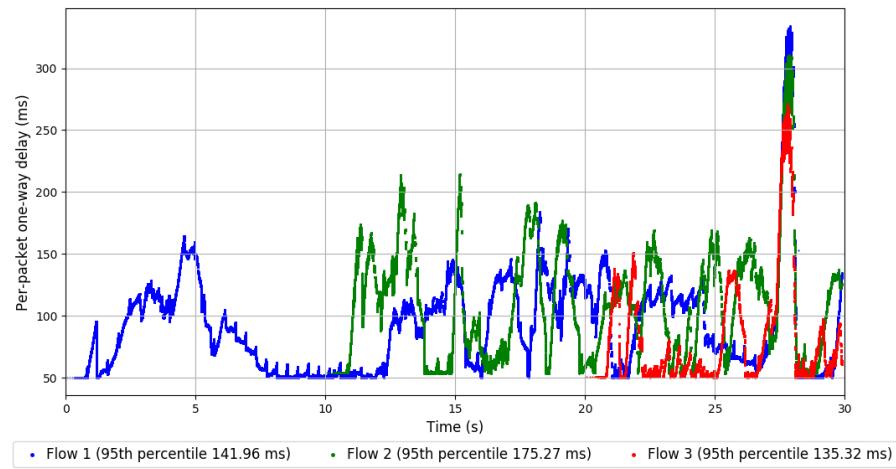
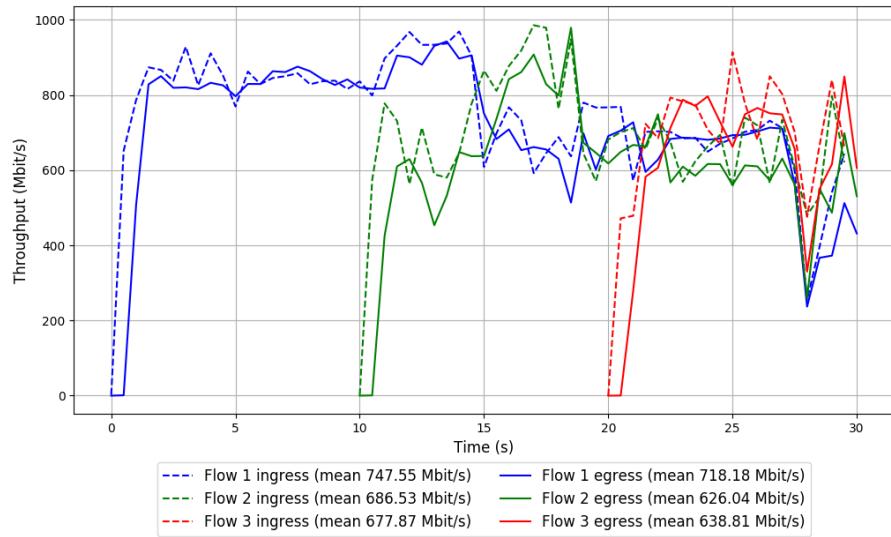


Run 5: Statistics of FillP

```
Start at: 2018-07-12 18:16:49
End at: 2018-07-12 18:17:19
Local clock offset: 0.041 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-07-12 22:01:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1344.38 Mbit/s
95th percentile per-packet one-way delay: 156.148 ms
Loss rate: 6.27%
-- Flow 1:
Average throughput: 718.18 Mbit/s
95th percentile per-packet one-way delay: 141.955 ms
Loss rate: 4.26%
-- Flow 2:
Average throughput: 626.04 Mbit/s
95th percentile per-packet one-way delay: 175.269 ms
Loss rate: 9.31%
-- Flow 3:
Average throughput: 638.81 Mbit/s
95th percentile per-packet one-way delay: 135.323 ms
Loss rate: 6.76%
```

Run 5: Report of FillP — Data Link

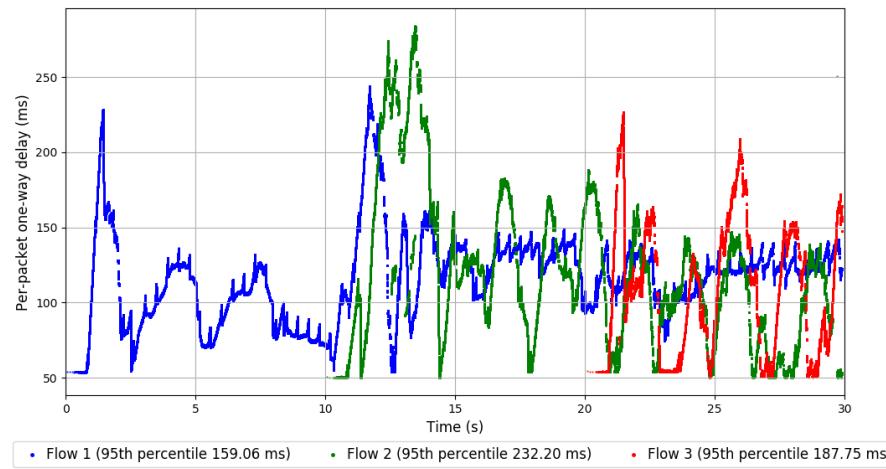
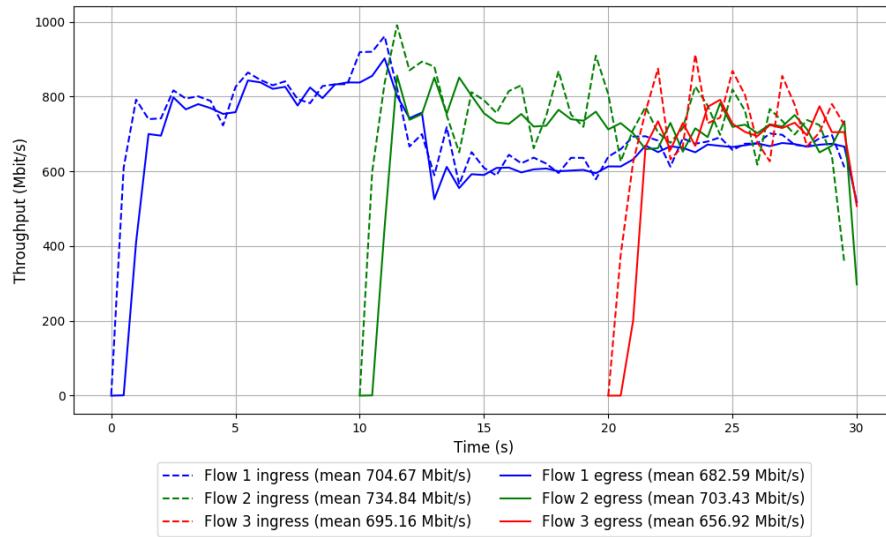


Run 6: Statistics of FillP

```
Start at: 2018-07-12 18:41:55
End at: 2018-07-12 18:42:25
Local clock offset: 0.355 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-07-12 22:02:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1366.21 Mbit/s
95th percentile per-packet one-way delay: 201.771 ms
Loss rate: 4.42%
-- Flow 1:
Average throughput: 682.59 Mbit/s
95th percentile per-packet one-way delay: 159.059 ms
Loss rate: 3.48%
-- Flow 2:
Average throughput: 703.43 Mbit/s
95th percentile per-packet one-way delay: 232.198 ms
Loss rate: 4.77%
-- Flow 3:
Average throughput: 656.92 Mbit/s
95th percentile per-packet one-way delay: 187.749 ms
Loss rate: 6.54%
```

Run 6: Report of FillP — Data Link

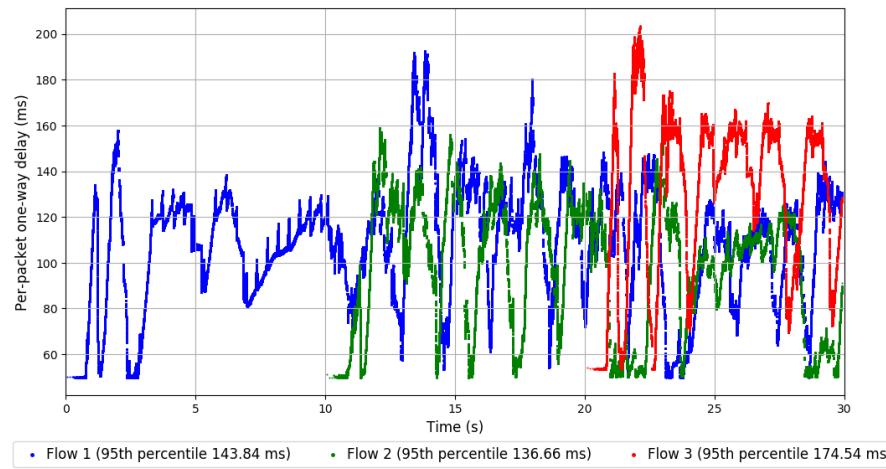
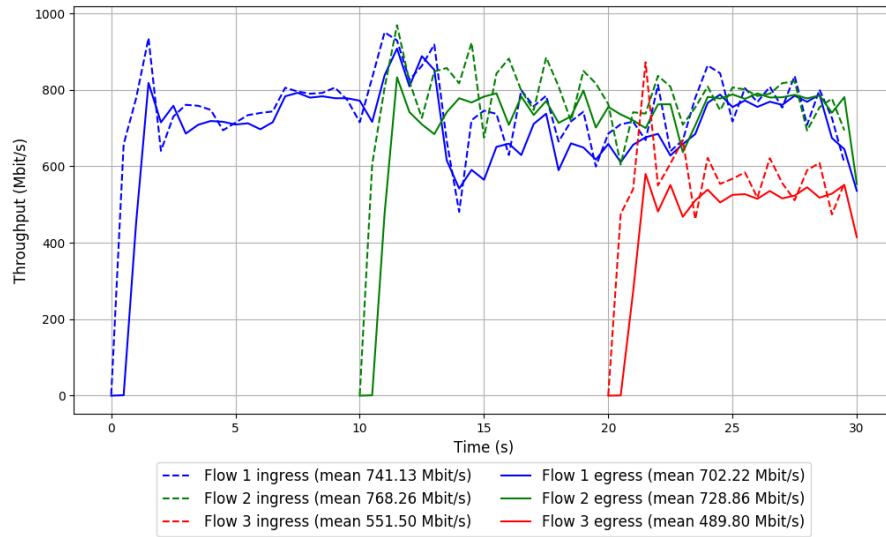


Run 7: Statistics of FillP

```
Start at: 2018-07-12 19:07:24
End at: 2018-07-12 19:07:54
Local clock offset: -0.033 ms
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2018-07-12 22:02:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1347.61 Mbit/s
95th percentile per-packet one-way delay: 154.534 ms
Loss rate: 6.43%
-- Flow 1:
Average throughput: 702.22 Mbit/s
95th percentile per-packet one-way delay: 143.840 ms
Loss rate: 5.58%
-- Flow 2:
Average throughput: 728.86 Mbit/s
95th percentile per-packet one-way delay: 136.663 ms
Loss rate: 5.63%
-- Flow 3:
Average throughput: 489.80 Mbit/s
95th percentile per-packet one-way delay: 174.536 ms
Loss rate: 12.16%
```

Run 7: Report of FillP — Data Link

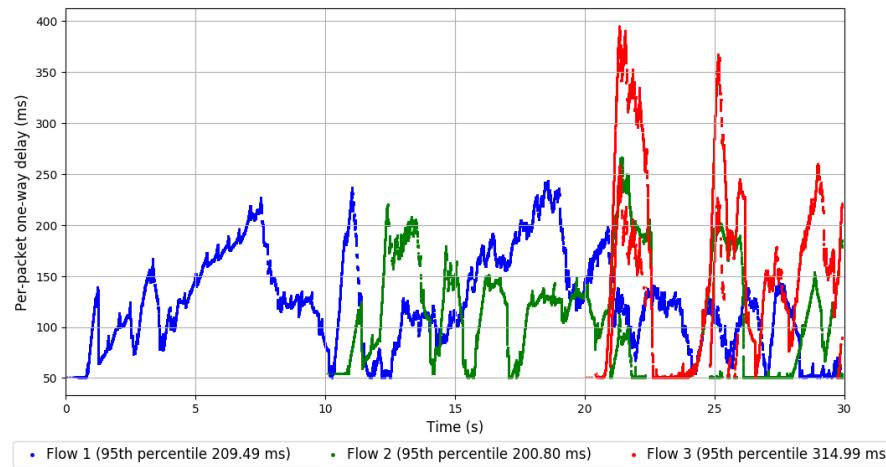
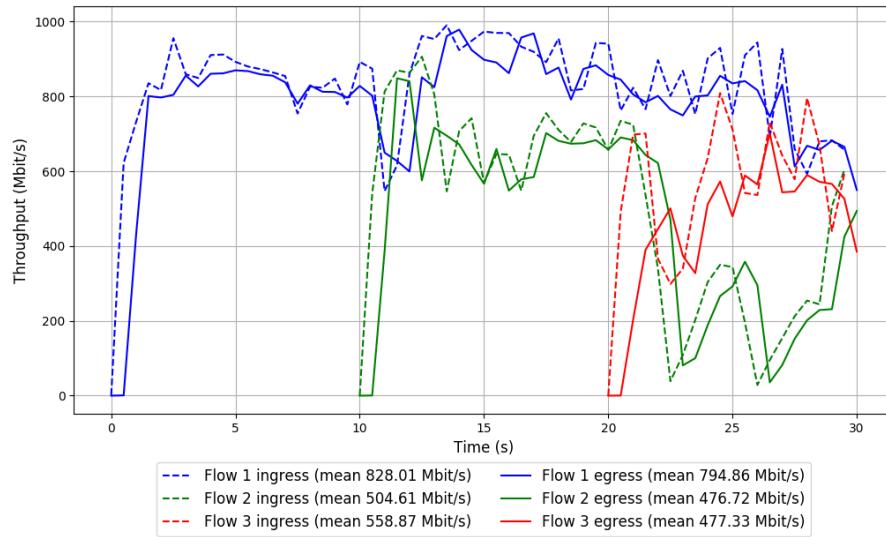


Run 8: Statistics of FillP

```
Start at: 2018-07-12 19:32:44
End at: 2018-07-12 19:33:14
Local clock offset: 0.588 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-07-12 22:02:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1268.80 Mbit/s
95th percentile per-packet one-way delay: 219.444 ms
Loss rate: 6.29%
-- Flow 1:
Average throughput: 794.86 Mbit/s
95th percentile per-packet one-way delay: 209.490 ms
Loss rate: 4.34%
-- Flow 2:
Average throughput: 476.72 Mbit/s
95th percentile per-packet one-way delay: 200.802 ms
Loss rate: 6.04%
-- Flow 3:
Average throughput: 477.33 Mbit/s
95th percentile per-packet one-way delay: 314.989 ms
Loss rate: 15.49%
```

Run 8: Report of FillP — Data Link

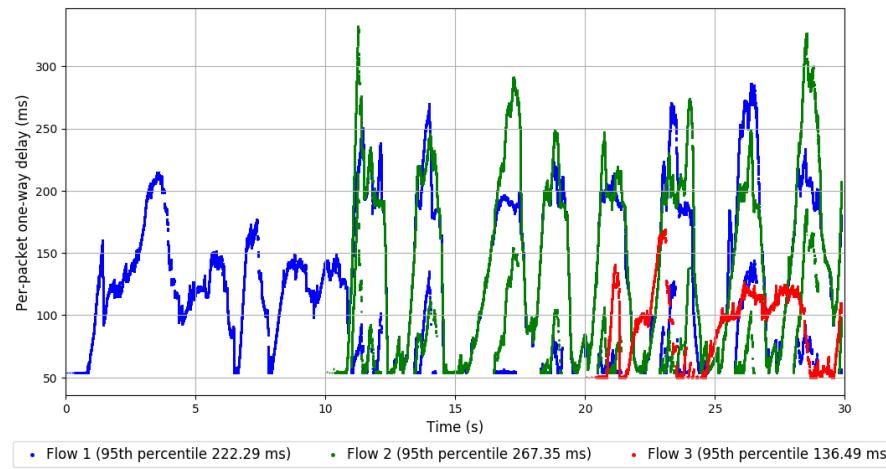
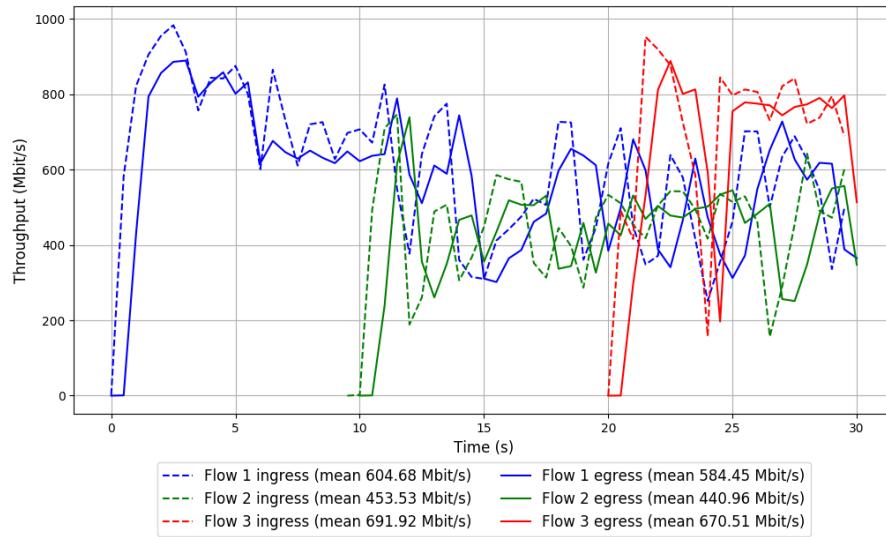


Run 9: Statistics of FillP

```
Start at: 2018-07-12 19:58:24
End at: 2018-07-12 19:58:54
Local clock offset: -0.054 ms
Remote clock offset: -0.27 ms

# Below is generated by plot.py at 2018-07-12 22:19:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1098.32 Mbit/s
95th percentile per-packet one-way delay: 233.283 ms
Loss rate: 3.68%
-- Flow 1:
Average throughput: 584.45 Mbit/s
95th percentile per-packet one-way delay: 222.293 ms
Loss rate: 3.70%
-- Flow 2:
Average throughput: 440.96 Mbit/s
95th percentile per-packet one-way delay: 267.350 ms
Loss rate: 3.30%
-- Flow 3:
Average throughput: 670.51 Mbit/s
95th percentile per-packet one-way delay: 136.485 ms
Loss rate: 4.12%
```

Run 9: Report of FillP — Data Link

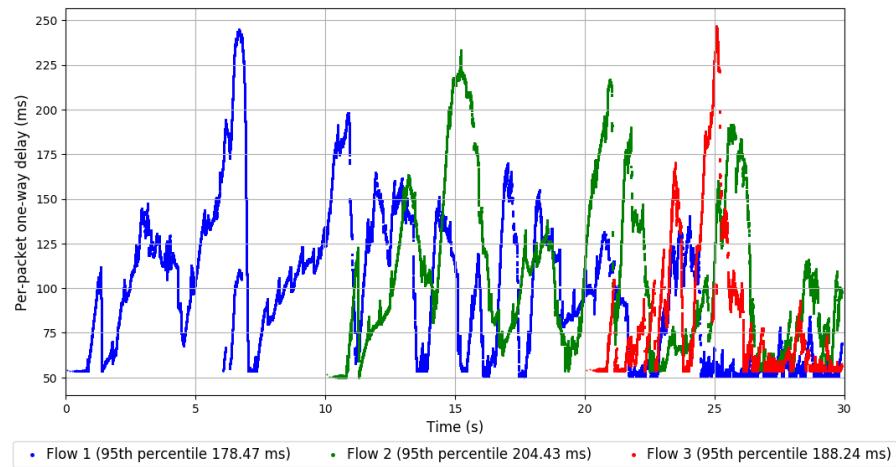
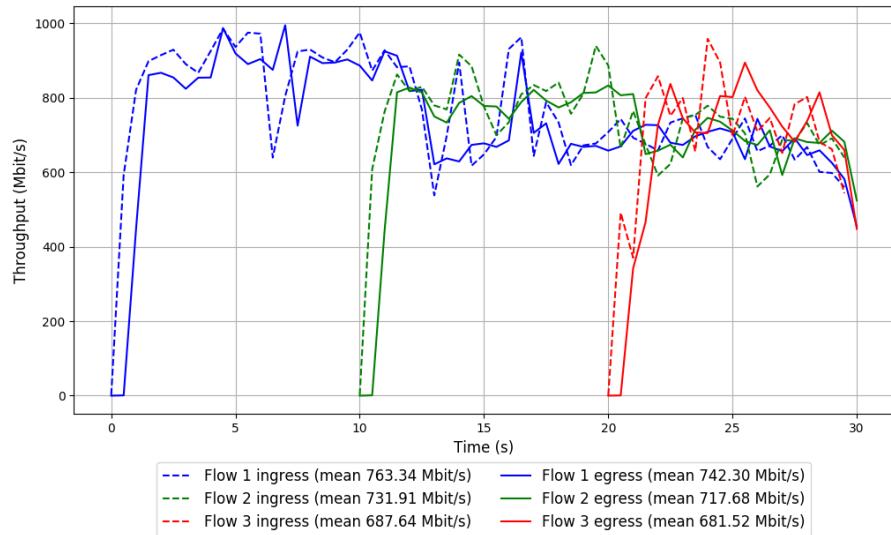


Run 10: Statistics of FillP

```
Start at: 2018-07-12 20:23:14
End at: 2018-07-12 20:23:44
Local clock offset: 0.003 ms
Remote clock offset: -0.158 ms

# Below is generated by plot.py at 2018-07-12 22:29:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1443.73 Mbit/s
95th percentile per-packet one-way delay: 187.181 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 742.30 Mbit/s
95th percentile per-packet one-way delay: 178.468 ms
Loss rate: 3.09%
-- Flow 2:
Average throughput: 717.68 Mbit/s
95th percentile per-packet one-way delay: 204.428 ms
Loss rate: 2.47%
-- Flow 3:
Average throughput: 681.52 Mbit/s
95th percentile per-packet one-way delay: 188.236 ms
Loss rate: 1.97%
```

Run 10: Report of FillP — Data Link

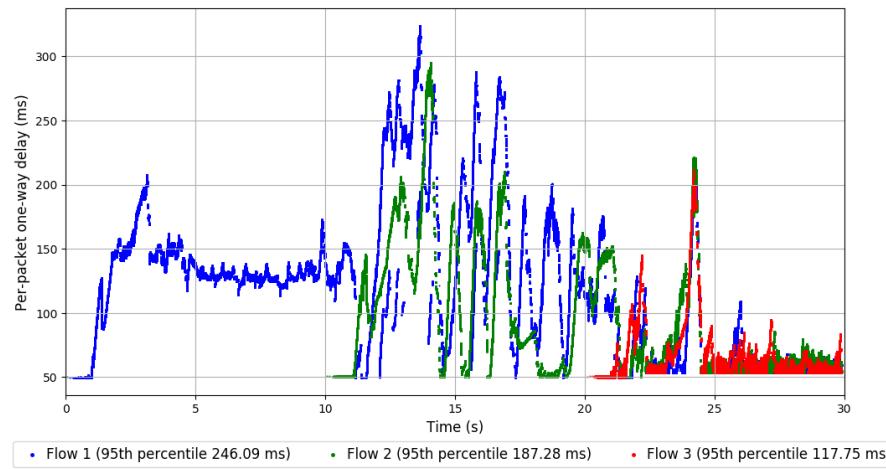
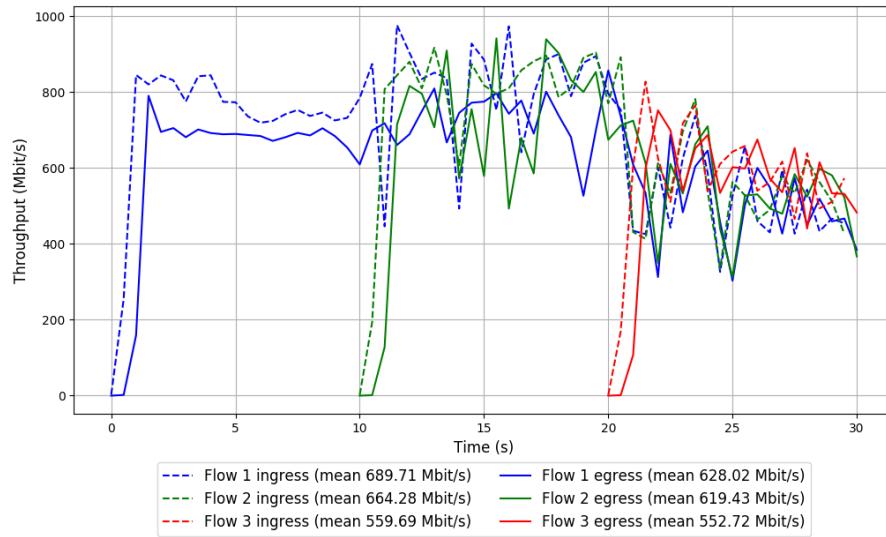


Run 1: Statistics of FillP-Sheep

```
Start at: 2018-07-12 16:48:48
End at: 2018-07-12 16:49:18
Local clock offset: -0.054 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-07-12 22:29:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1220.91 Mbit/s
95th percentile per-packet one-way delay: 227.130 ms
Loss rate: 7.59%
-- Flow 1:
Average throughput: 628.02 Mbit/s
95th percentile per-packet one-way delay: 246.094 ms
Loss rate: 9.22%
-- Flow 2:
Average throughput: 619.43 Mbit/s
95th percentile per-packet one-way delay: 187.276 ms
Loss rate: 7.21%
-- Flow 3:
Average throughput: 552.72 Mbit/s
95th percentile per-packet one-way delay: 117.755 ms
Loss rate: 2.40%
```

Run 1: Report of FillP-Sheep — Data Link

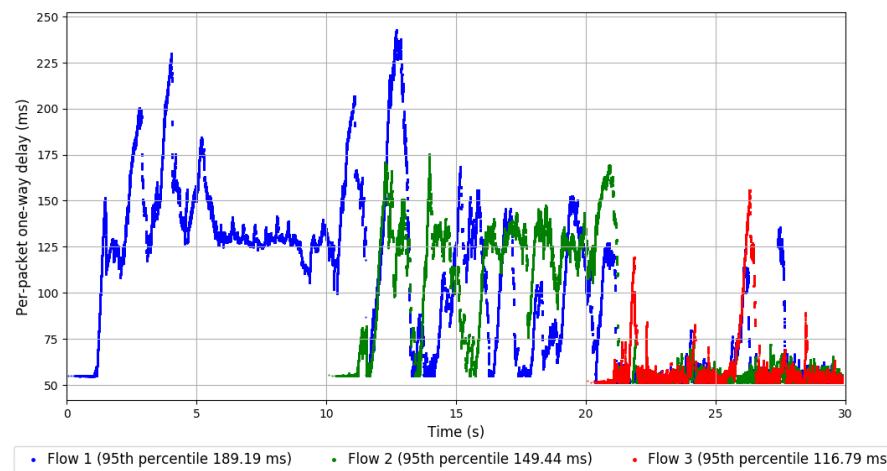
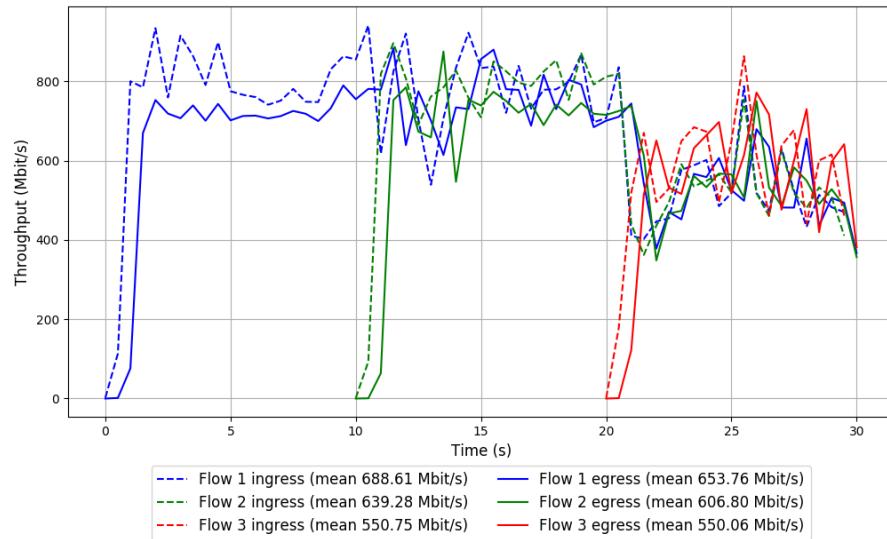


Run 2: Statistics of FillP-Sheep

```
Start at: 2018-07-12 17:15:01
End at: 2018-07-12 17:15:31
Local clock offset: 0.036 ms
Remote clock offset: -1.33 ms

# Below is generated by plot.py at 2018-07-12 22:29:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1237.05 Mbit/s
95th percentile per-packet one-way delay: 164.943 ms
Loss rate: 4.85%
-- Flow 1:
Average throughput: 653.76 Mbit/s
95th percentile per-packet one-way delay: 189.186 ms
Loss rate: 5.39%
-- Flow 2:
Average throughput: 606.80 Mbit/s
95th percentile per-packet one-way delay: 149.439 ms
Loss rate: 5.57%
-- Flow 3:
Average throughput: 550.06 Mbit/s
95th percentile per-packet one-way delay: 116.786 ms
Loss rate: 1.12%
```

Run 2: Report of FillP-Sheep — Data Link

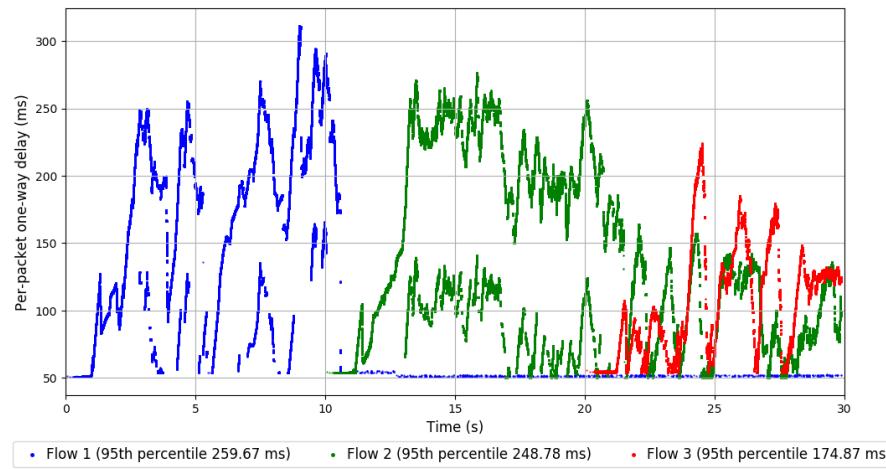
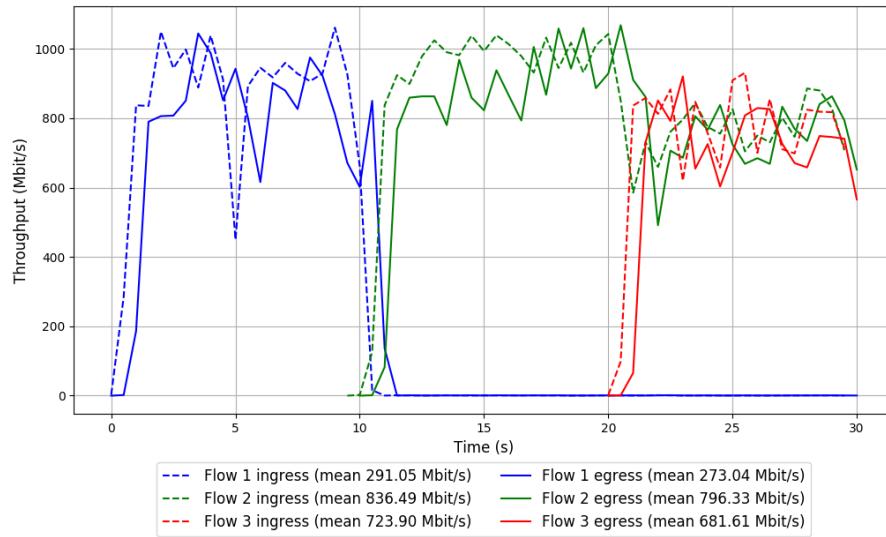


Run 3: Statistics of FillP-Sheep

```
Start at: 2018-07-12 17:42:57
End at: 2018-07-12 17:43:27
Local clock offset: 0.141 ms
Remote clock offset: -0.17 ms

# Below is generated by plot.py at 2018-07-12 22:29:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1026.39 Mbit/s
95th percentile per-packet one-way delay: 247.726 ms
Loss rate: 5.96%
-- Flow 1:
Average throughput: 273.04 Mbit/s
95th percentile per-packet one-way delay: 259.673 ms
Loss rate: 6.44%
-- Flow 2:
Average throughput: 796.33 Mbit/s
95th percentile per-packet one-way delay: 248.777 ms
Loss rate: 5.32%
-- Flow 3:
Average throughput: 681.61 Mbit/s
95th percentile per-packet one-way delay: 174.870 ms
Loss rate: 6.89%
```

Run 3: Report of FillP-Sheep — Data Link

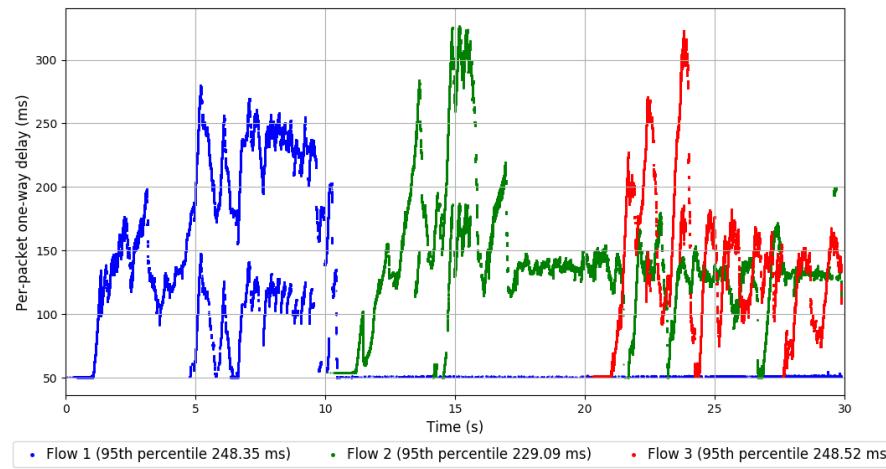
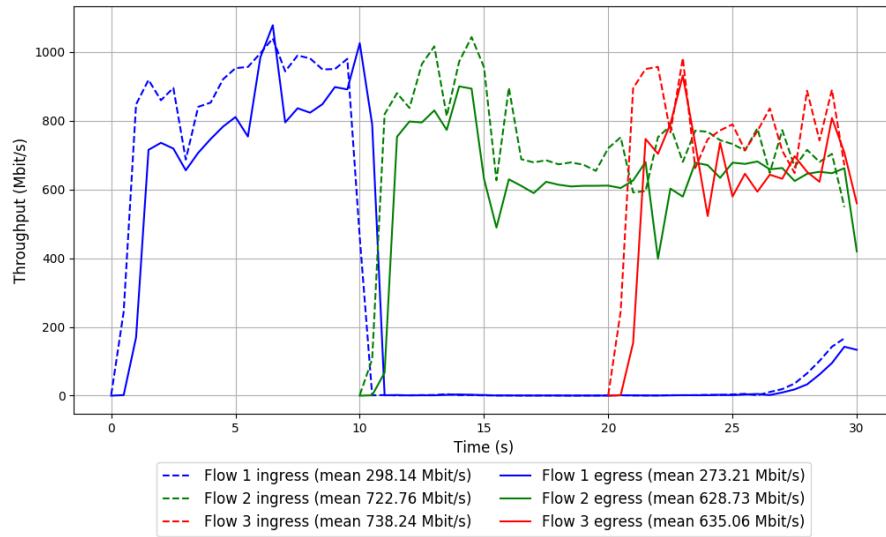


Run 4: Statistics of FillP-Sheep

```
Start at: 2018-07-12 18:08:08
End at: 2018-07-12 18:08:38
Local clock offset: -0.039 ms
Remote clock offset: -0.151 ms

# Below is generated by plot.py at 2018-07-12 22:29:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 899.55 Mbit/s
95th percentile per-packet one-way delay: 247.256 ms
Loss rate: 12.39%
-- Flow 1:
Average throughput: 273.21 Mbit/s
95th percentile per-packet one-way delay: 248.352 ms
Loss rate: 8.68%
-- Flow 2:
Average throughput: 628.73 Mbit/s
95th percentile per-packet one-way delay: 229.090 ms
Loss rate: 13.43%
-- Flow 3:
Average throughput: 635.06 Mbit/s
95th percentile per-packet one-way delay: 248.520 ms
Loss rate: 14.90%
```

Run 4: Report of FillP-Sheep — Data Link

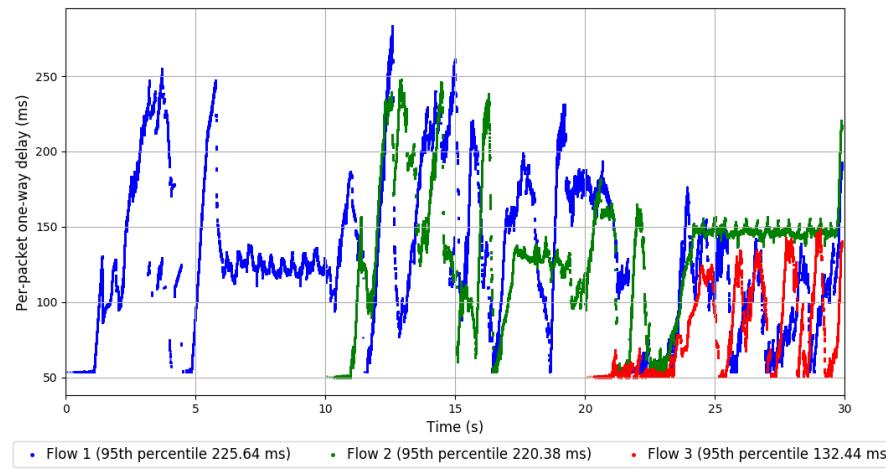
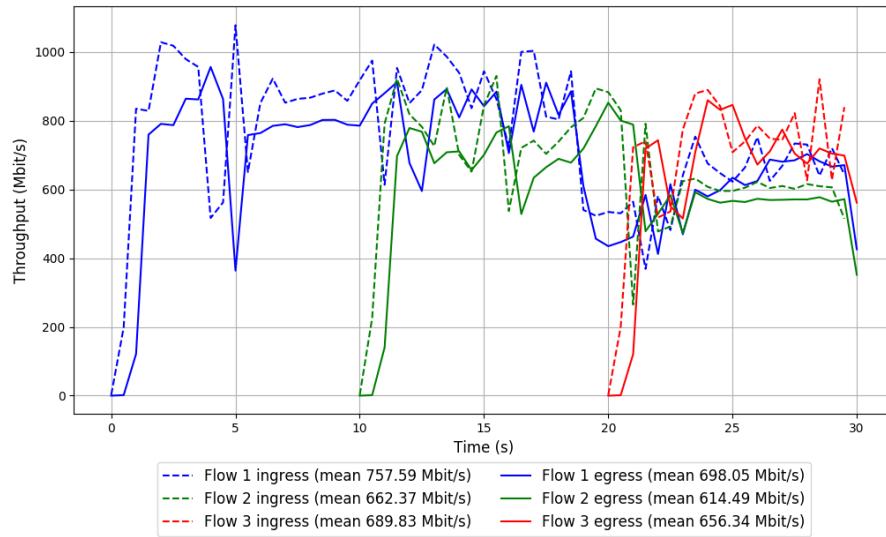


Run 5: Statistics of FillP-Sheep

```
Start at: 2018-07-12 18:32:57
End at: 2018-07-12 18:33:27
Local clock offset: -0.06 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-07-12 22:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1322.16 Mbit/s
95th percentile per-packet one-way delay: 221.482 ms
Loss rate: 7.67%
-- Flow 1:
Average throughput: 698.05 Mbit/s
95th percentile per-packet one-way delay: 225.637 ms
Loss rate: 8.19%
-- Flow 2:
Average throughput: 614.49 Mbit/s
95th percentile per-packet one-way delay: 220.379 ms
Loss rate: 7.72%
-- Flow 3:
Average throughput: 656.34 Mbit/s
95th percentile per-packet one-way delay: 132.436 ms
Loss rate: 5.86%
```

Run 5: Report of FillP-Sheep — Data Link

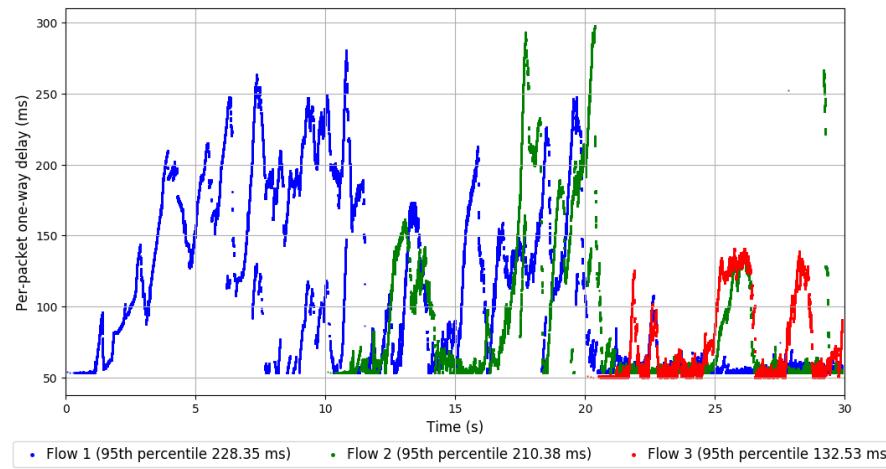
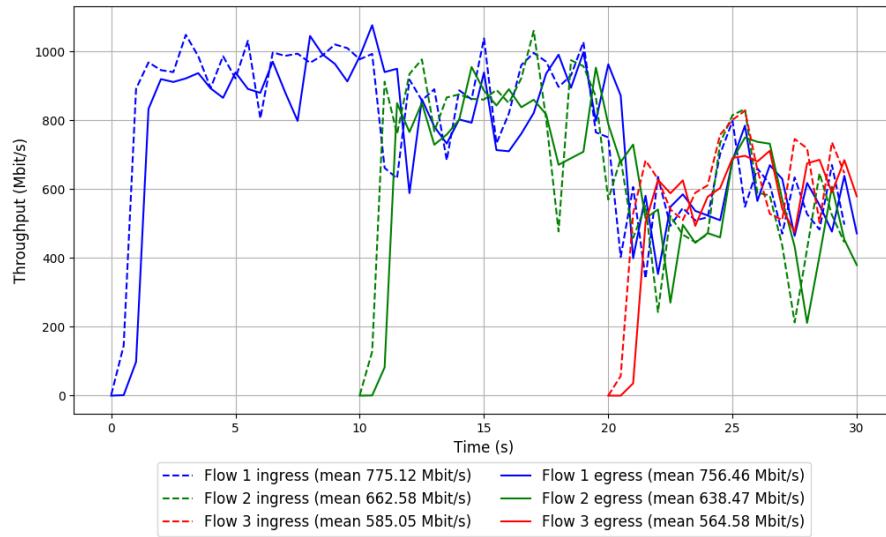


Run 6: Statistics of FillP-Sheep

```
Start at: 2018-07-12 18:58:04
End at: 2018-07-12 18:58:34
Local clock offset: -0.013 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-07-12 22:32:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1365.80 Mbit/s
95th percentile per-packet one-way delay: 221.102 ms
Loss rate: 3.43%
-- Flow 1:
Average throughput: 756.46 Mbit/s
95th percentile per-packet one-way delay: 228.350 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 638.47 Mbit/s
95th percentile per-packet one-way delay: 210.376 ms
Loss rate: 4.16%
-- Flow 3:
Average throughput: 564.58 Mbit/s
95th percentile per-packet one-way delay: 132.526 ms
Loss rate: 4.48%
```

Run 6: Report of FillP-Sheep — Data Link

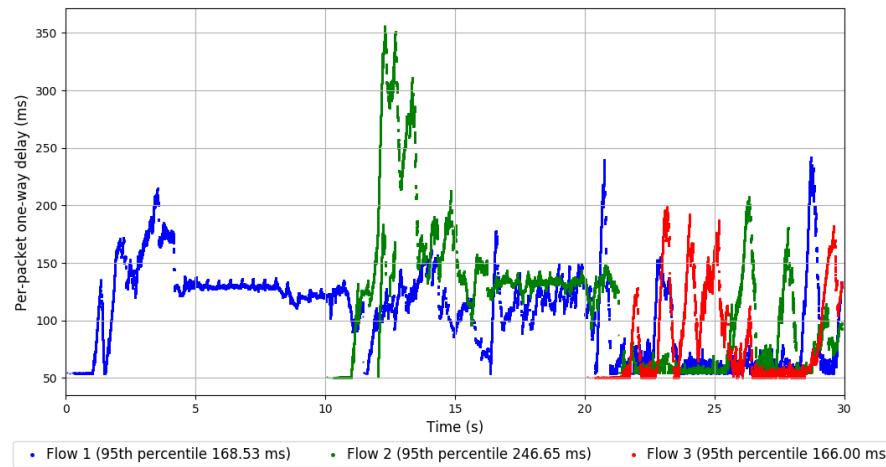
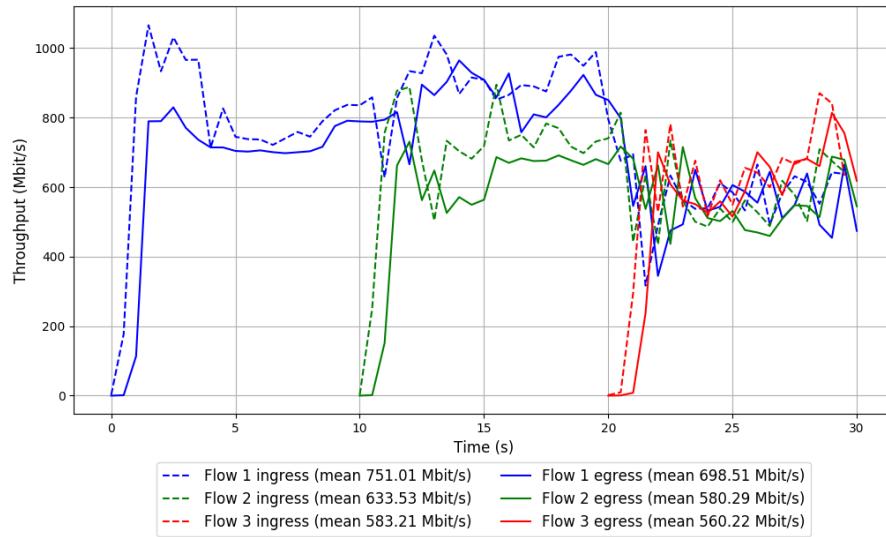


Run 7: Statistics of FillP-Sheep

```
Start at: 2018-07-12 19:23:27
End at: 2018-07-12 19:23:57
Local clock offset: 0.303 ms
Remote clock offset: -0.175 ms

# Below is generated by plot.py at 2018-07-12 22:50:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1268.49 Mbit/s
95th percentile per-packet one-way delay: 176.279 ms
Loss rate: 7.46%
-- Flow 1:
Average throughput: 698.51 Mbit/s
95th percentile per-packet one-way delay: 168.534 ms
Loss rate: 7.31%
-- Flow 2:
Average throughput: 580.29 Mbit/s
95th percentile per-packet one-way delay: 246.647 ms
Loss rate: 8.87%
-- Flow 3:
Average throughput: 560.22 Mbit/s
95th percentile per-packet one-way delay: 166.003 ms
Loss rate: 4.92%
```

Run 7: Report of FillP-Sheep — Data Link

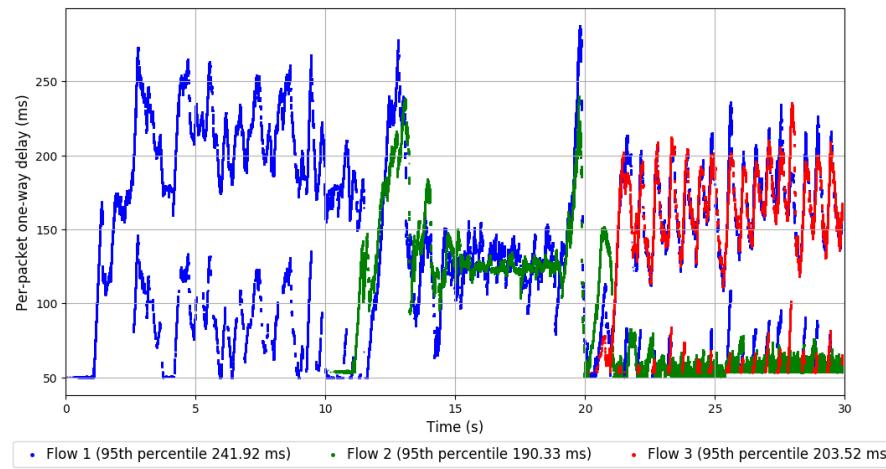
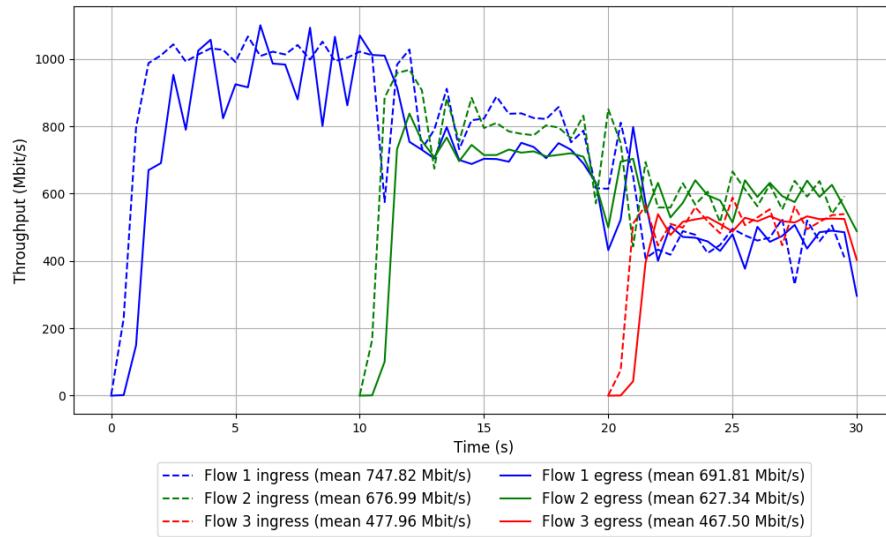


Run 8: Statistics of FillP-Sheep

```
Start at: 2018-07-12 19:49:04
End at: 2018-07-12 19:49:34
Local clock offset: -0.023 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2018-07-12 22:51:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1261.53 Mbit/s
95th percentile per-packet one-way delay: 231.091 ms
Loss rate: 7.27%
-- Flow 1:
Average throughput: 691.81 Mbit/s
95th percentile per-packet one-way delay: 241.920 ms
Loss rate: 7.81%
-- Flow 2:
Average throughput: 627.34 Mbit/s
95th percentile per-packet one-way delay: 190.332 ms
Loss rate: 7.83%
-- Flow 3:
Average throughput: 467.50 Mbit/s
95th percentile per-packet one-way delay: 203.518 ms
Loss rate: 3.12%
```

Run 8: Report of FillP-Sheep — Data Link

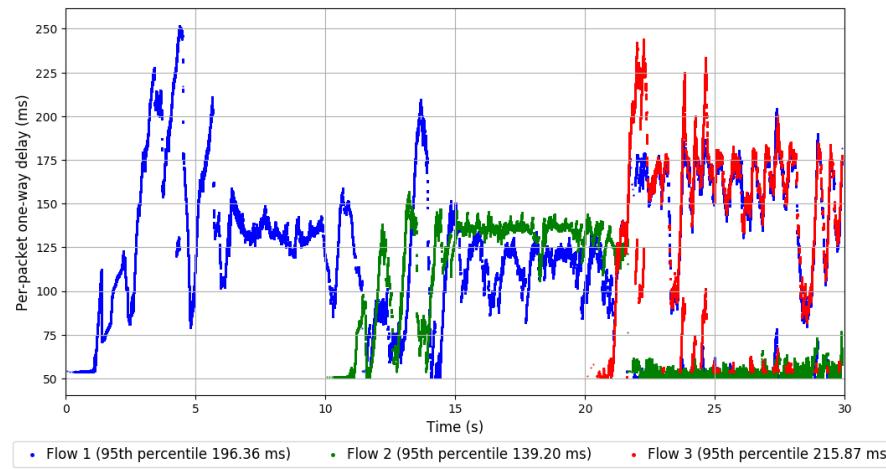
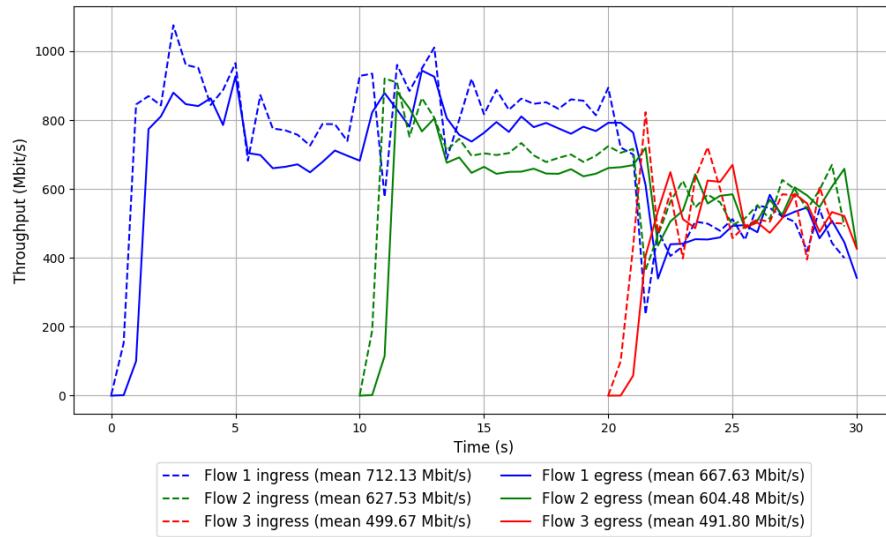


Run 9: Statistics of FillP-Sheep

```
Start at: 2018-07-12 20:14:18
End at: 2018-07-12 20:14:48
Local clock offset: 0.173 ms
Remote clock offset: -0.334 ms

# Below is generated by plot.py at 2018-07-12 22:52:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1230.89 Mbit/s
95th percentile per-packet one-way delay: 188.517 ms
Loss rate: 5.28%
-- Flow 1:
Average throughput: 667.63 Mbit/s
95th percentile per-packet one-way delay: 196.361 ms
Loss rate: 6.54%
-- Flow 2:
Average throughput: 604.48 Mbit/s
95th percentile per-packet one-way delay: 139.199 ms
Loss rate: 4.18%
-- Flow 3:
Average throughput: 491.80 Mbit/s
95th percentile per-packet one-way delay: 215.872 ms
Loss rate: 2.62%
```

Run 9: Report of FillP-Sheep — Data Link

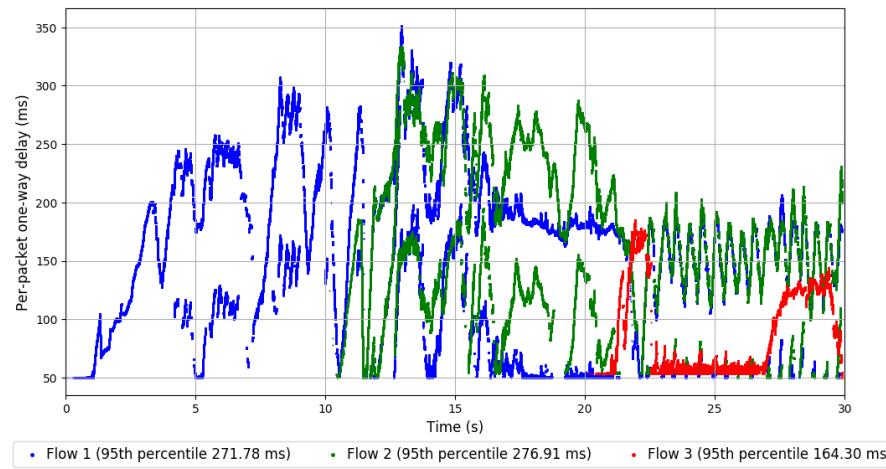
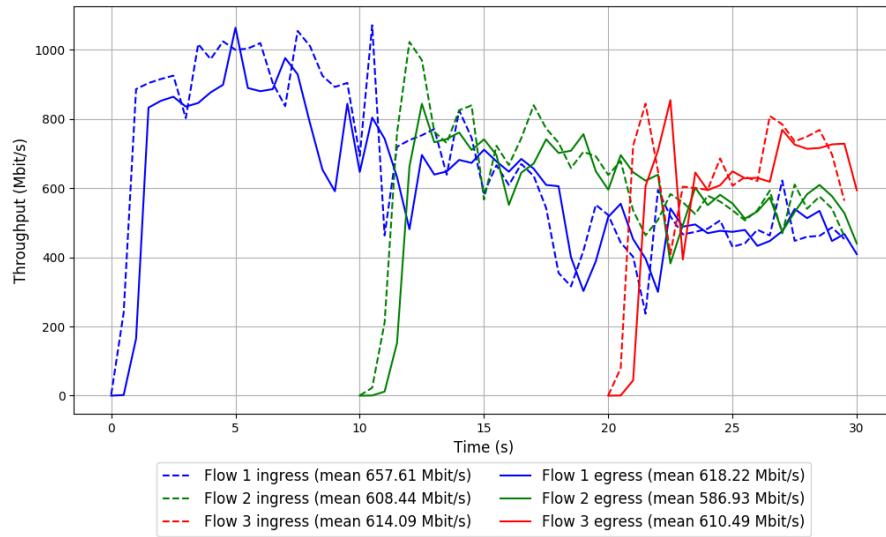


Run 10: Statistics of FillP-Sheep

```
Start at: 2018-07-12 20:39:32
End at: 2018-07-12 20:40:02
Local clock offset: -0.092 ms
Remote clock offset: -0.251 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1206.94 Mbit/s
95th percentile per-packet one-way delay: 269.832 ms
Loss rate: 4.93%
-- Flow 1:
Average throughput: 618.22 Mbit/s
95th percentile per-packet one-way delay: 271.778 ms
Loss rate: 6.31%
-- Flow 2:
Average throughput: 586.93 Mbit/s
95th percentile per-packet one-way delay: 276.909 ms
Loss rate: 4.31%
-- Flow 3:
Average throughput: 610.49 Mbit/s
95th percentile per-packet one-way delay: 164.299 ms
Loss rate: 1.68%
```

Run 10: Report of FillP-Sheep — Data Link

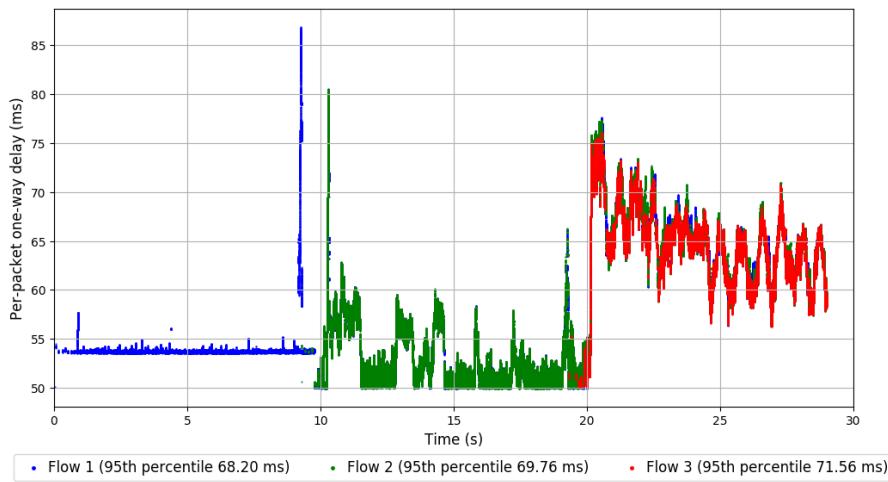
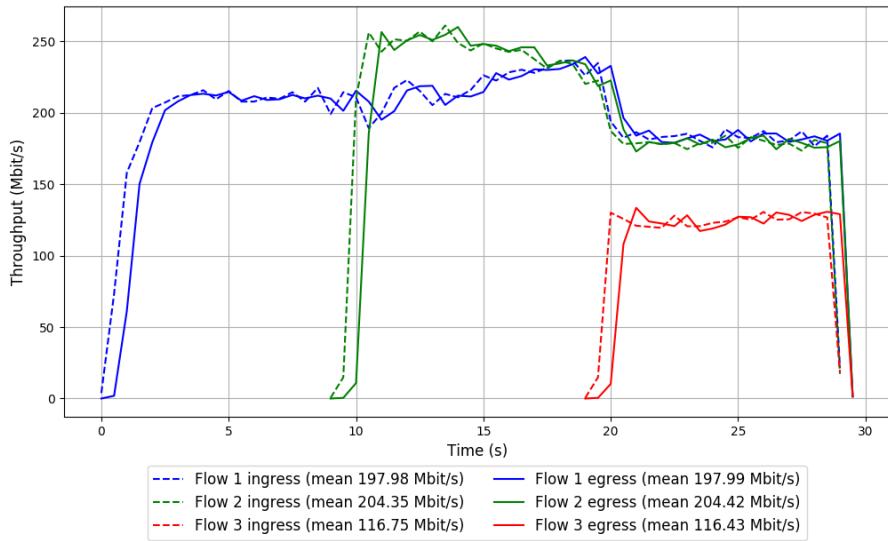


Run 1: Statistics of Indigo

```
Start at: 2018-07-12 16:53:29
End at: 2018-07-12 16:53:59
Local clock offset: 0.053 ms
Remote clock offset: -0.13 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 376.02 Mbit/s
95th percentile per-packet one-way delay: 69.541 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 197.99 Mbit/s
95th percentile per-packet one-way delay: 68.203 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 204.42 Mbit/s
95th percentile per-packet one-way delay: 69.762 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 116.43 Mbit/s
95th percentile per-packet one-way delay: 71.558 ms
Loss rate: 1.34%
```

Run 1: Report of Indigo — Data Link

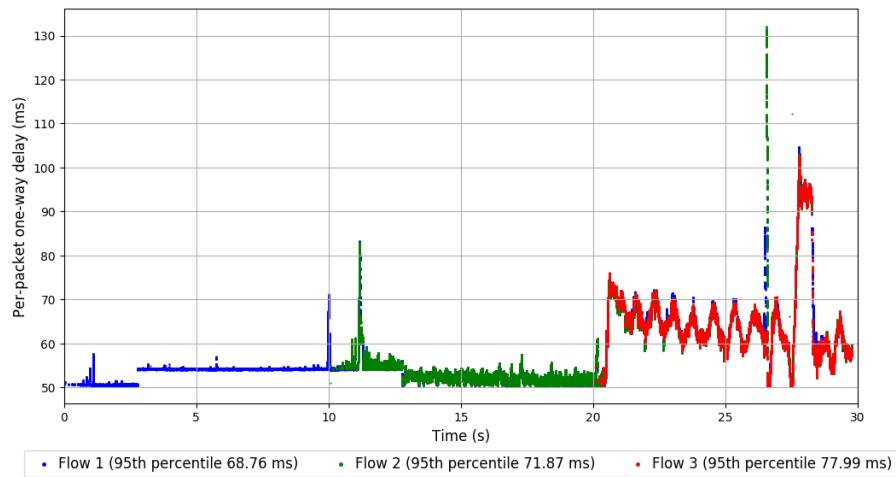
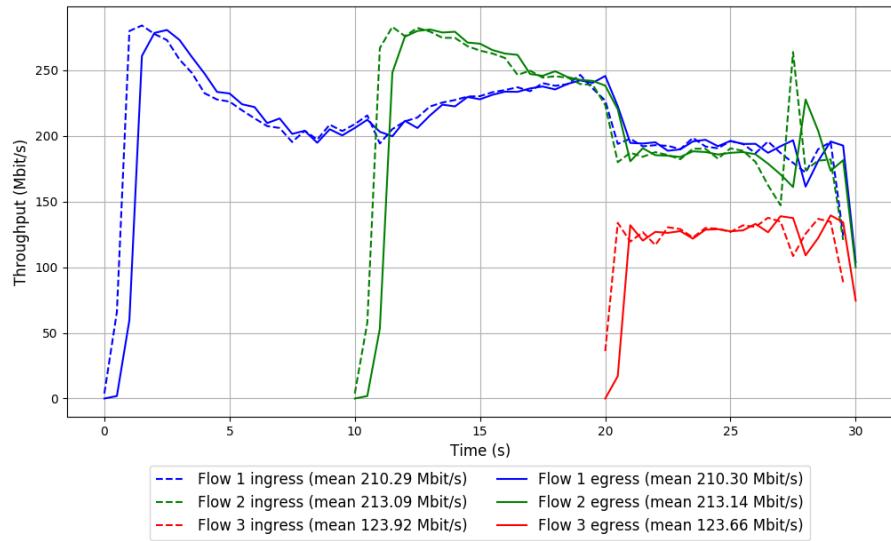


Run 2: Statistics of Indigo

```
Start at: 2018-07-12 17:20:37
End at: 2018-07-12 17:21:07
Local clock offset: 0.138 ms
Remote clock offset: -0.498 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 392.06 Mbit/s
95th percentile per-packet one-way delay: 70.668 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 210.30 Mbit/s
95th percentile per-packet one-way delay: 68.761 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 213.14 Mbit/s
95th percentile per-packet one-way delay: 71.866 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 123.66 Mbit/s
95th percentile per-packet one-way delay: 77.991 ms
Loss rate: 1.24%
```

Run 2: Report of Indigo — Data Link

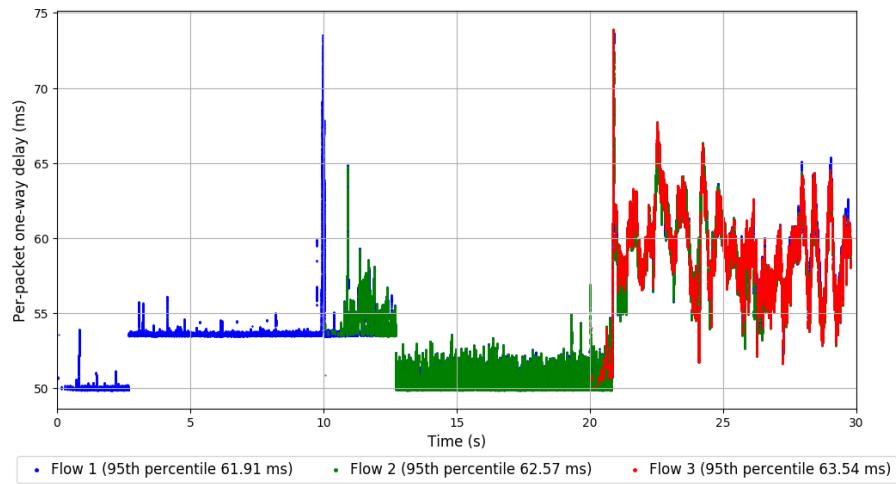
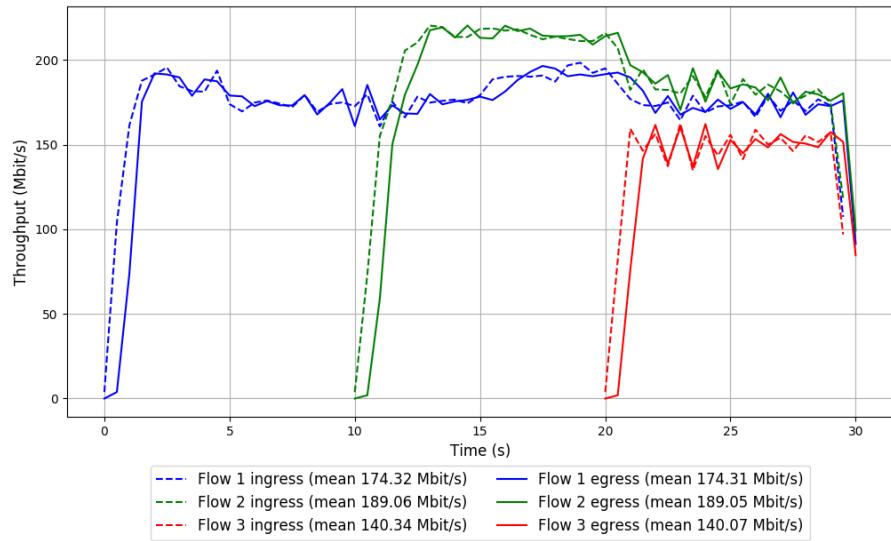


Run 3: Statistics of Indigo

```
Start at: 2018-07-12 17:47:37
End at: 2018-07-12 17:48:07
Local clock offset: -0.018 ms
Remote clock offset: -0.105 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 345.33 Mbit/s
95th percentile per-packet one-way delay: 62.600 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 174.31 Mbit/s
95th percentile per-packet one-way delay: 61.912 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 189.05 Mbit/s
95th percentile per-packet one-way delay: 62.568 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 140.07 Mbit/s
95th percentile per-packet one-way delay: 63.536 ms
Loss rate: 1.21%
```

Run 3: Report of Indigo — Data Link

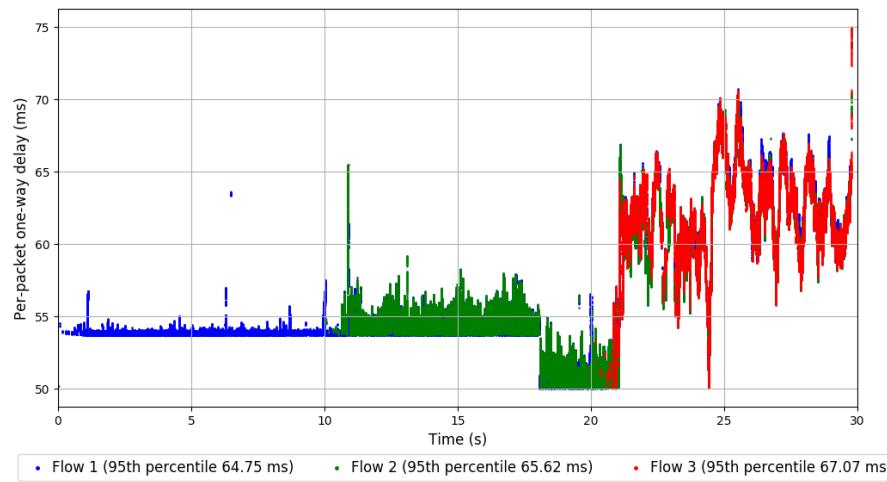
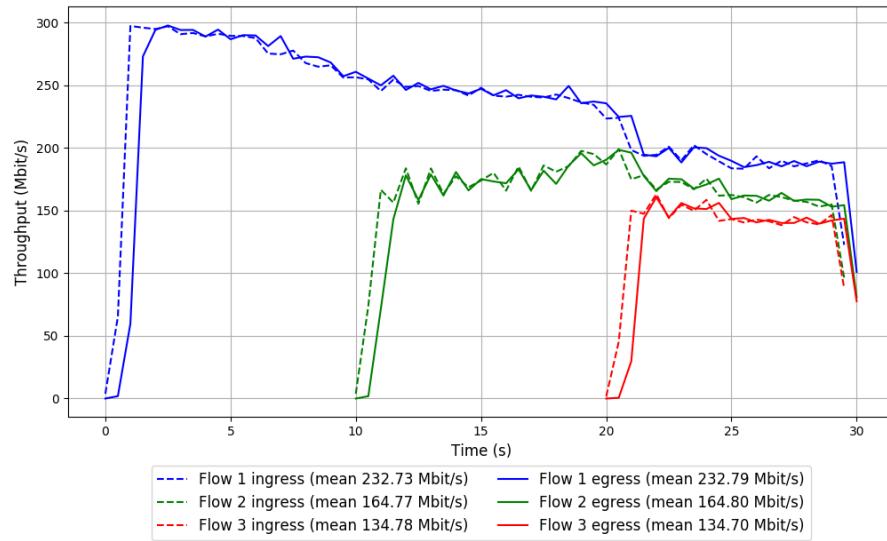


Run 4: Statistics of Indigo

```
Start at: 2018-07-12 18:12:31
End at: 2018-07-12 18:13:02
Local clock offset: 0.234 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.65 Mbit/s
95th percentile per-packet one-way delay: 65.455 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 232.79 Mbit/s
95th percentile per-packet one-way delay: 64.751 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 164.80 Mbit/s
95th percentile per-packet one-way delay: 65.618 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 134.70 Mbit/s
95th percentile per-packet one-way delay: 67.067 ms
Loss rate: 1.12%
```

Run 4: Report of Indigo — Data Link

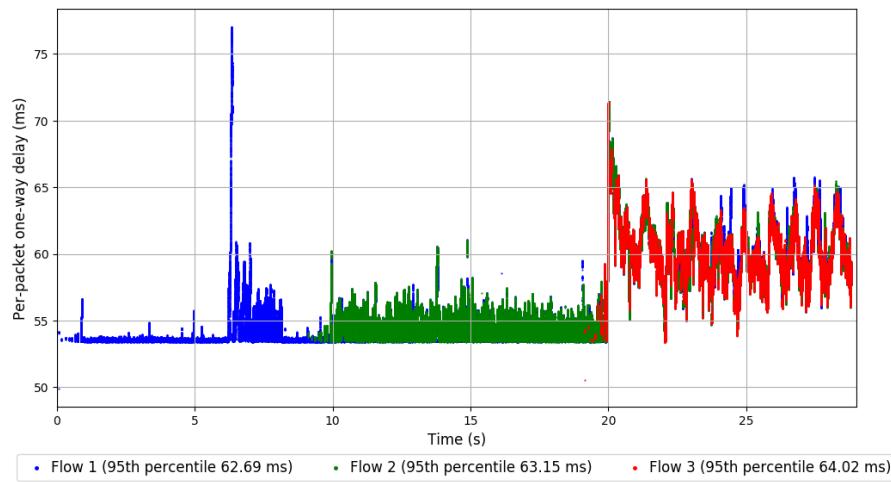
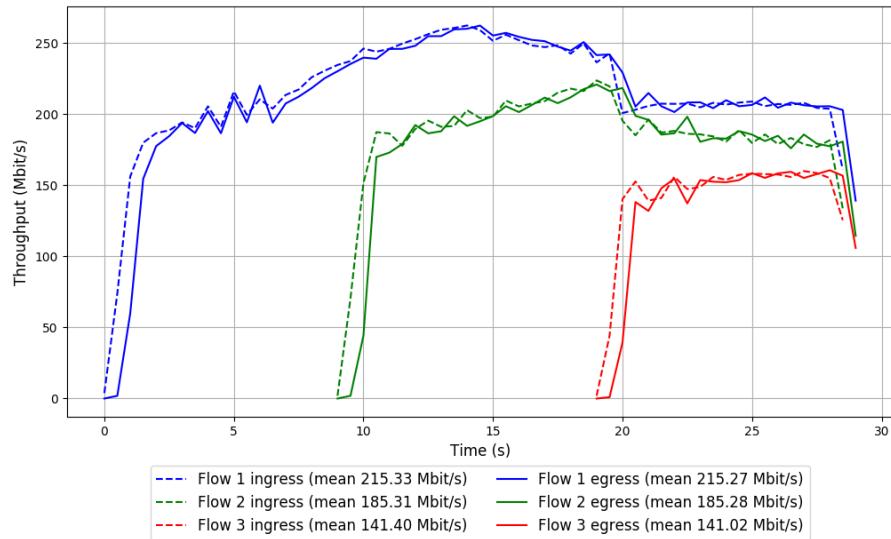


Run 5: Statistics of Indigo

```
Start at: 2018-07-12 18:37:31
End at: 2018-07-12 18:38:01
Local clock offset: 0.003 ms
Remote clock offset: 0.022 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 389.60 Mbit/s
95th percentile per-packet one-way delay: 63.142 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 215.27 Mbit/s
95th percentile per-packet one-way delay: 62.685 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 185.28 Mbit/s
95th percentile per-packet one-way delay: 63.152 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 141.02 Mbit/s
95th percentile per-packet one-way delay: 64.018 ms
Loss rate: 1.33%
```

Run 5: Report of Indigo — Data Link

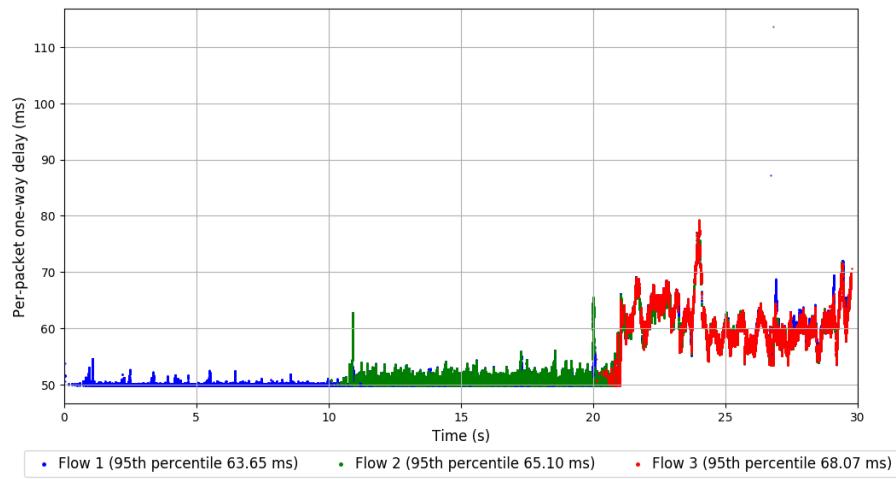
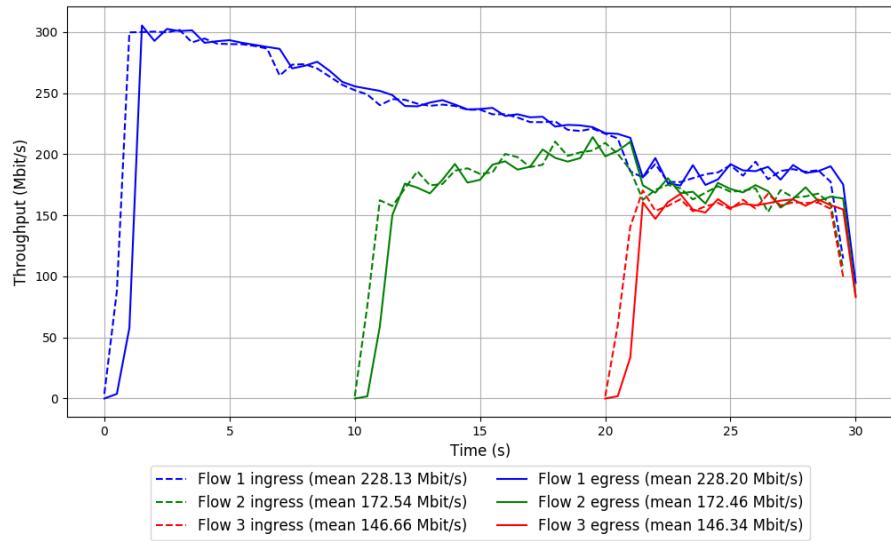


Run 6: Statistics of Indigo

```
Start at: 2018-07-12 19:03:06
End at: 2018-07-12 19:03:36
Local clock offset: 0.052 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 389.72 Mbit/s
95th percentile per-packet one-way delay: 65.099 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 228.20 Mbit/s
95th percentile per-packet one-way delay: 63.645 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 172.46 Mbit/s
95th percentile per-packet one-way delay: 65.100 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 146.34 Mbit/s
95th percentile per-packet one-way delay: 68.069 ms
Loss rate: 1.25%
```

Run 6: Report of Indigo — Data Link

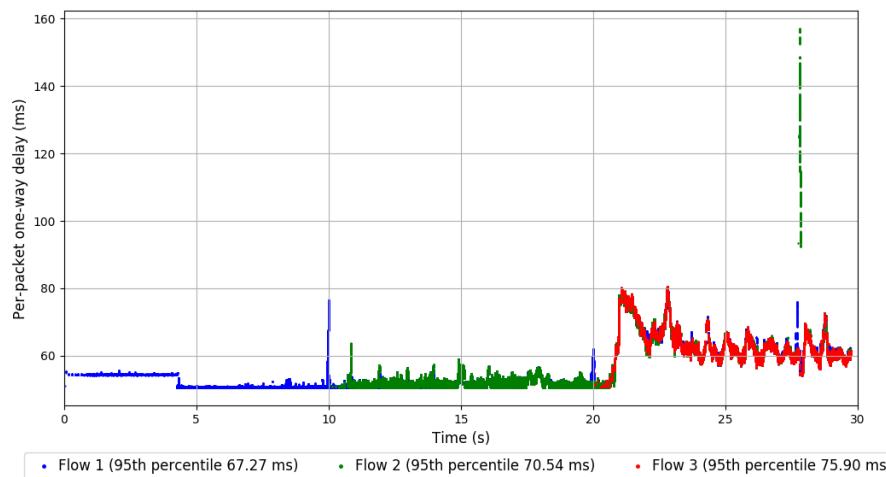
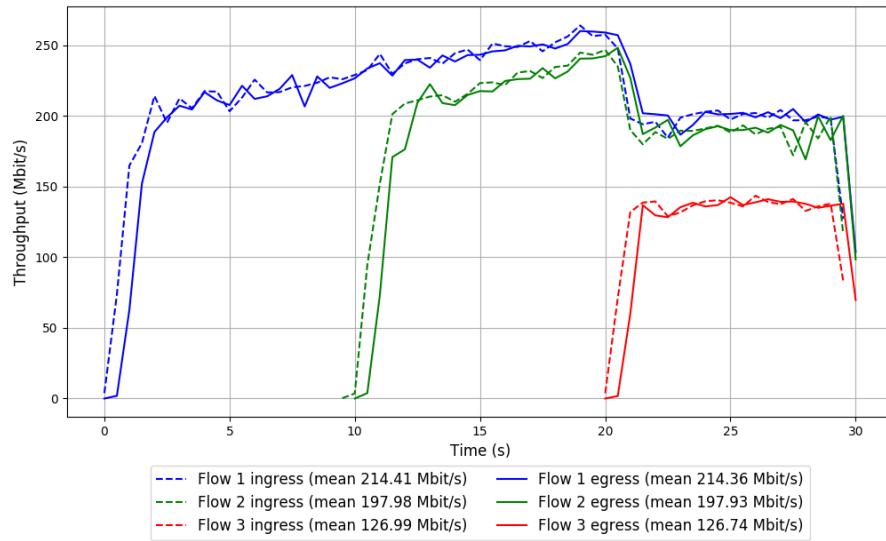


Run 7: Statistics of Indigo

```
Start at: 2018-07-12 19:28:15
End at: 2018-07-12 19:28:45
Local clock offset: 0.472 ms
Remote clock offset: -0.231 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 387.12 Mbit/s
95th percentile per-packet one-way delay: 69.628 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 214.36 Mbit/s
95th percentile per-packet one-way delay: 67.271 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 197.93 Mbit/s
95th percentile per-packet one-way delay: 70.541 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 126.74 Mbit/s
95th percentile per-packet one-way delay: 75.898 ms
Loss rate: 1.22%
```

Run 7: Report of Indigo — Data Link

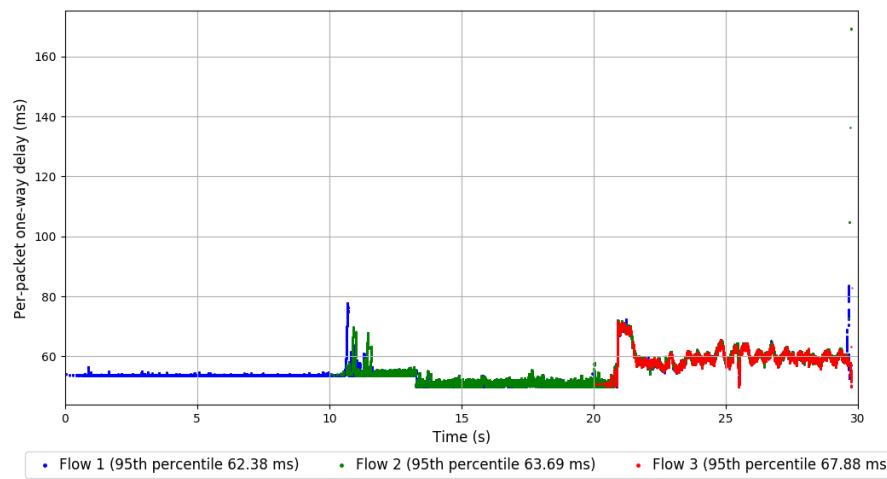
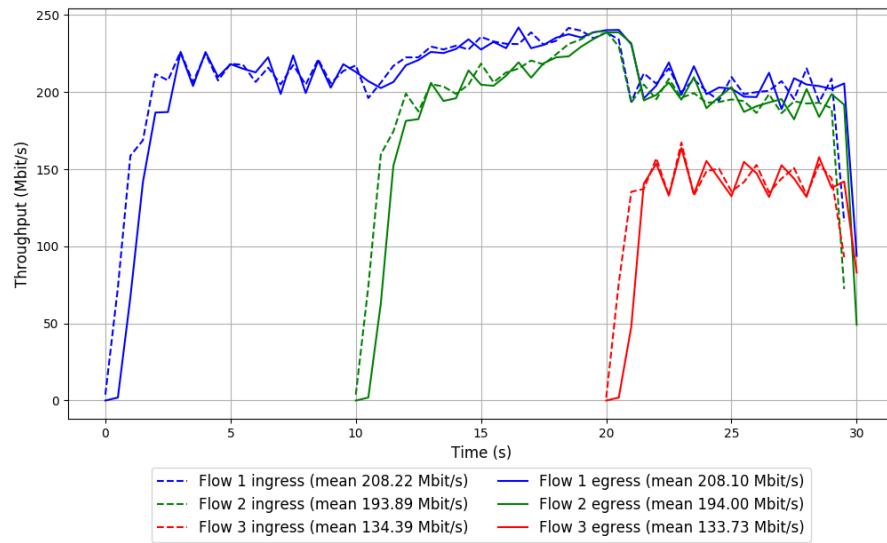


Run 8: Statistics of Indigo

```
Start at: 2018-07-12 19:53:56
End at: 2018-07-12 19:54:26
Local clock offset: -0.065 ms
Remote clock offset: -0.185 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 380.10 Mbit/s
95th percentile per-packet one-way delay: 63.283 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 208.10 Mbit/s
95th percentile per-packet one-way delay: 62.378 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 194.00 Mbit/s
95th percentile per-packet one-way delay: 63.691 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 133.73 Mbit/s
95th percentile per-packet one-way delay: 67.883 ms
Loss rate: 1.27%
```

Run 8: Report of Indigo — Data Link

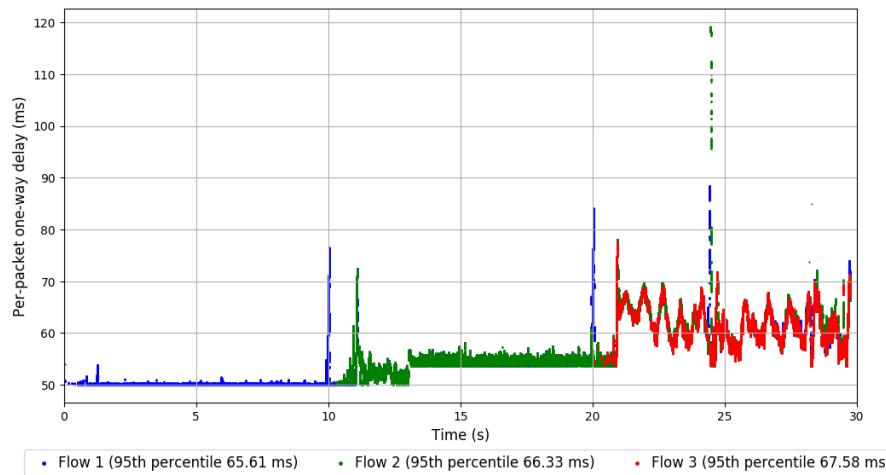
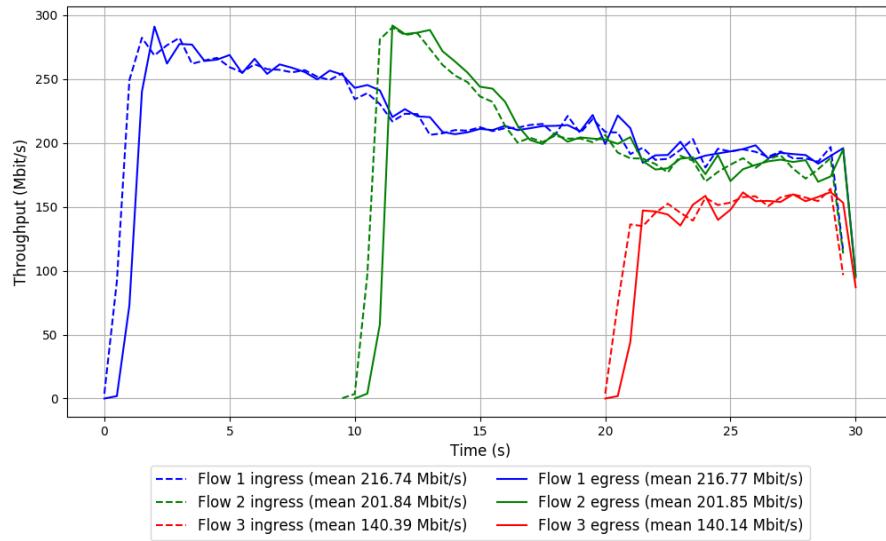


Run 9: Statistics of Indigo

```
Start at: 2018-07-12 20:18:57
End at: 2018-07-12 20:19:27
Local clock offset: 0.144 ms
Remote clock offset: -0.135 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 396.37 Mbit/s
95th percentile per-packet one-way delay: 66.278 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 216.77 Mbit/s
95th percentile per-packet one-way delay: 65.611 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 201.85 Mbit/s
95th percentile per-packet one-way delay: 66.331 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 140.14 Mbit/s
95th percentile per-packet one-way delay: 67.578 ms
Loss rate: 1.26%
```

Run 9: Report of Indigo — Data Link

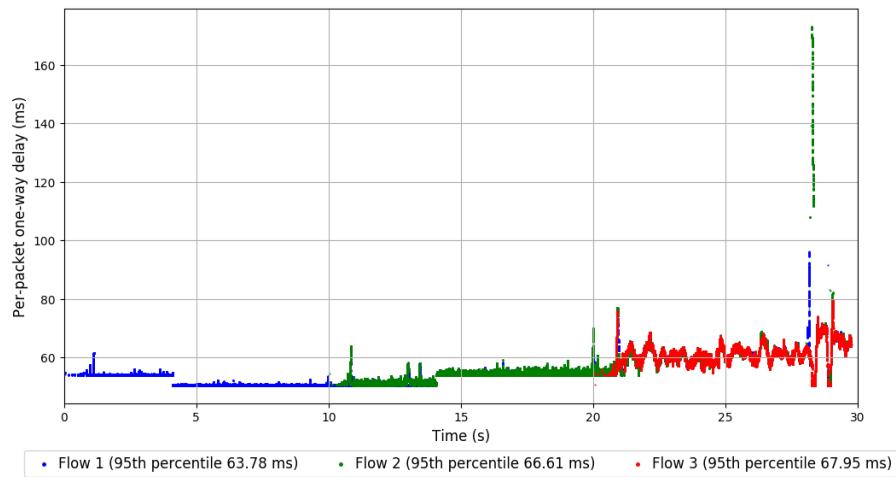
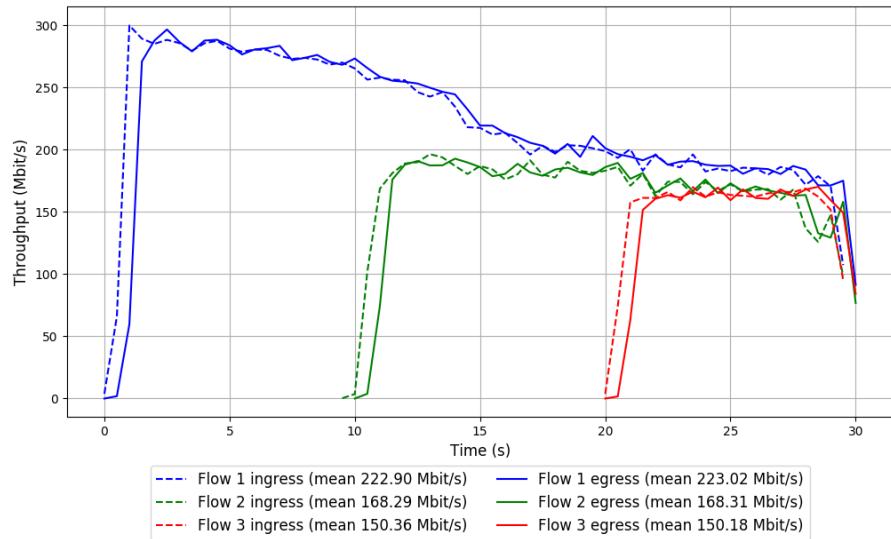


Run 10: Statistics of Indigo

```
Start at: 2018-07-12 20:44:25
End at: 2018-07-12 20:44:55
Local clock offset: 0.16 ms
Remote clock offset: -0.344 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 383.62 Mbit/s
95th percentile per-packet one-way delay: 65.565 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 223.02 Mbit/s
95th percentile per-packet one-way delay: 63.776 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 168.31 Mbit/s
95th percentile per-packet one-way delay: 66.609 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 150.18 Mbit/s
95th percentile per-packet one-way delay: 67.953 ms
Loss rate: 1.18%
```

Run 10: Report of Indigo — Data Link

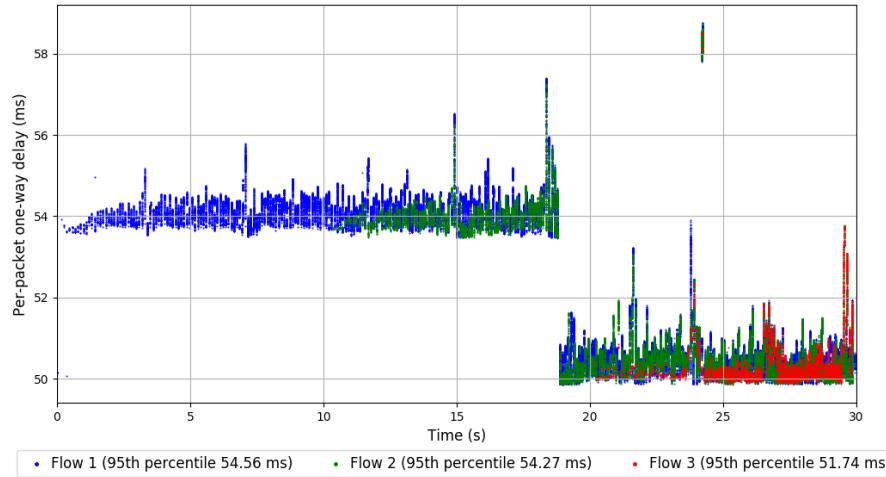
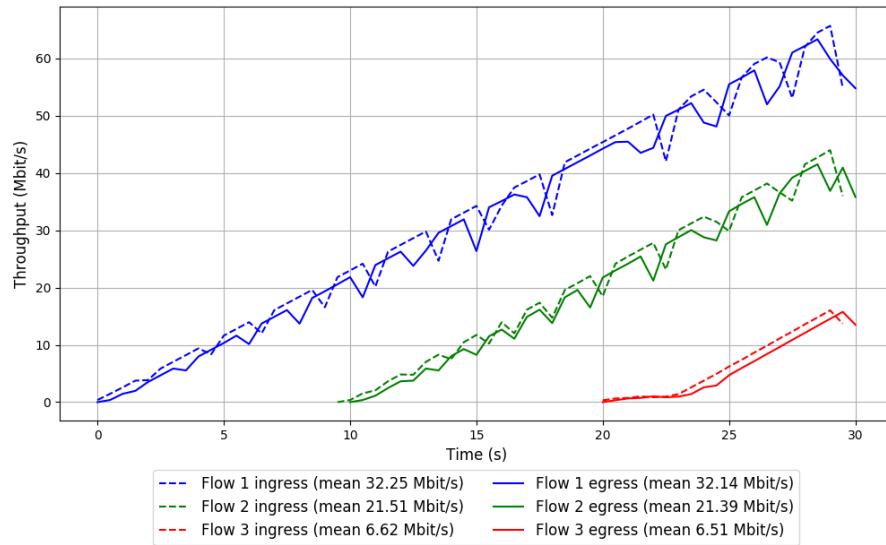


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-12 16:40:31
End at: 2018-07-12 16:41:01
Local clock offset: -0.026 ms
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.45 Mbit/s
95th percentile per-packet one-way delay: 54.483 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 54.561 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 21.39 Mbit/s
95th percentile per-packet one-way delay: 54.266 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 51.740 ms
Loss rate: 2.67%
```

Run 1: Report of LEDBAT — Data Link

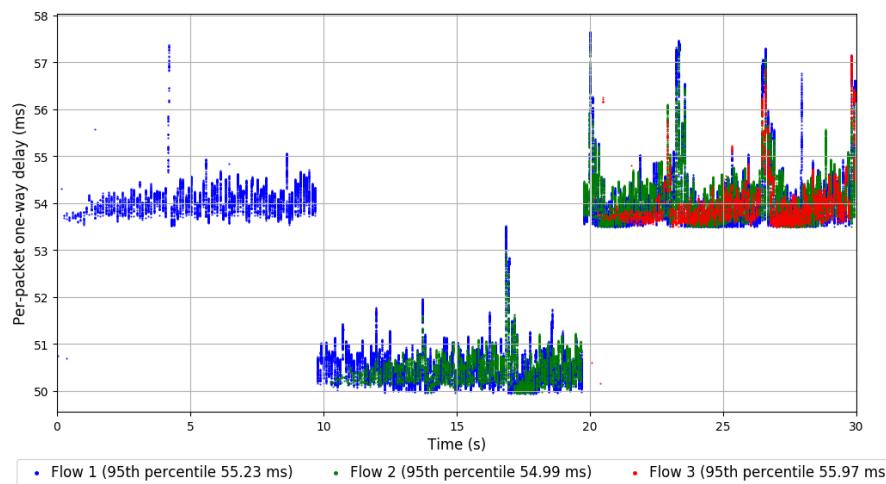
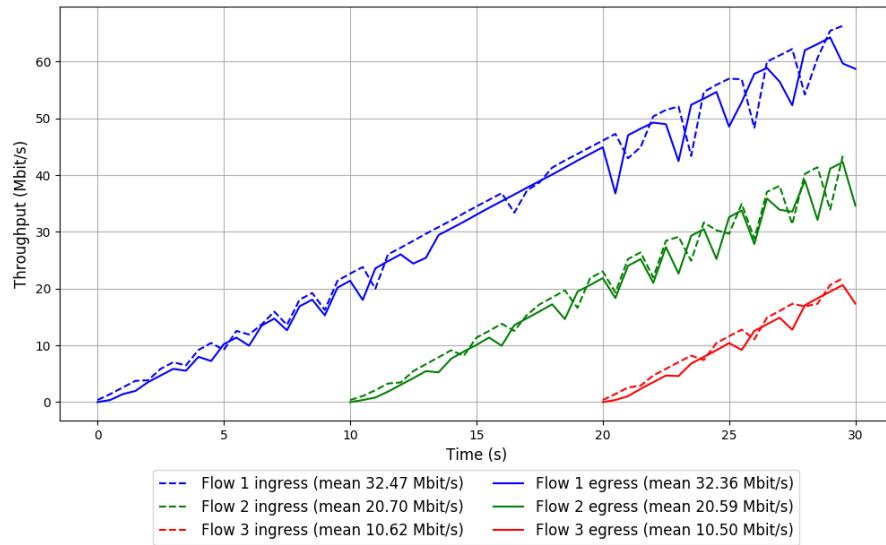


Run 2: Statistics of LEDBAT

```
Start at: 2018-07-12 17:05:20
End at: 2018-07-12 17:05:50
Local clock offset: 0.04 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.50 Mbit/s
95th percentile per-packet one-way delay: 55.135 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 32.36 Mbit/s
95th percentile per-packet one-way delay: 55.234 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 20.59 Mbit/s
95th percentile per-packet one-way delay: 54.995 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 10.50 Mbit/s
95th percentile per-packet one-way delay: 55.967 ms
Loss rate: 2.11%
```

Run 2: Report of LEDBAT — Data Link

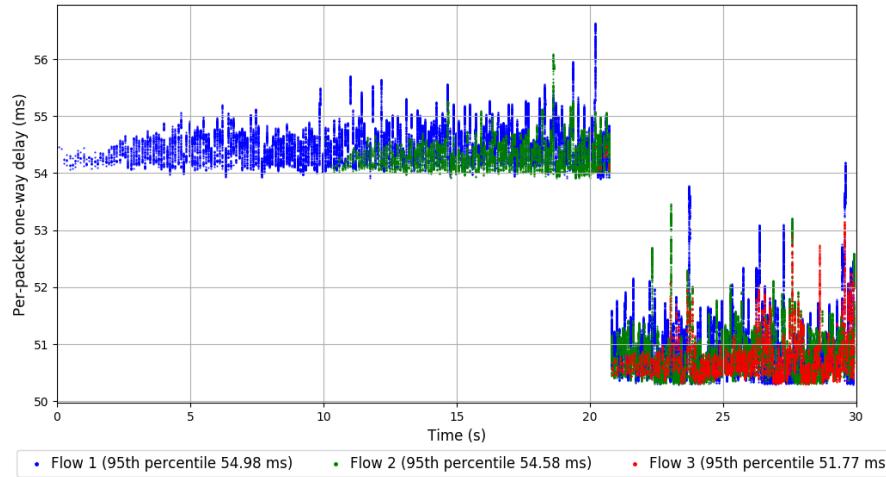
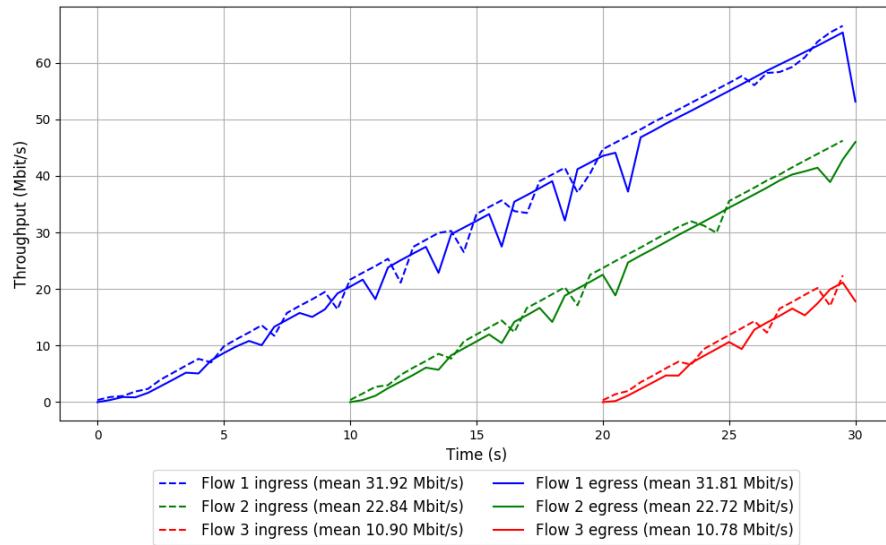


Run 3: Statistics of LEDBAT

```
Start at: 2018-07-12 17:33:59
End at: 2018-07-12 17:34:29
Local clock offset: 0.01 ms
Remote clock offset: -0.501 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.41 Mbit/s
95th percentile per-packet one-way delay: 54.882 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 54.977 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 22.72 Mbit/s
95th percentile per-packet one-way delay: 54.582 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 10.78 Mbit/s
95th percentile per-packet one-way delay: 51.773 ms
Loss rate: 2.12%
```

Run 3: Report of LEDBAT — Data Link

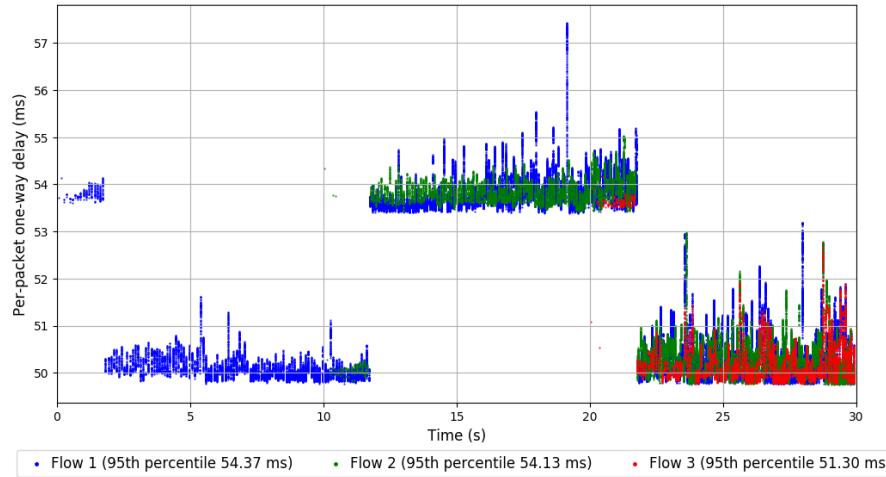
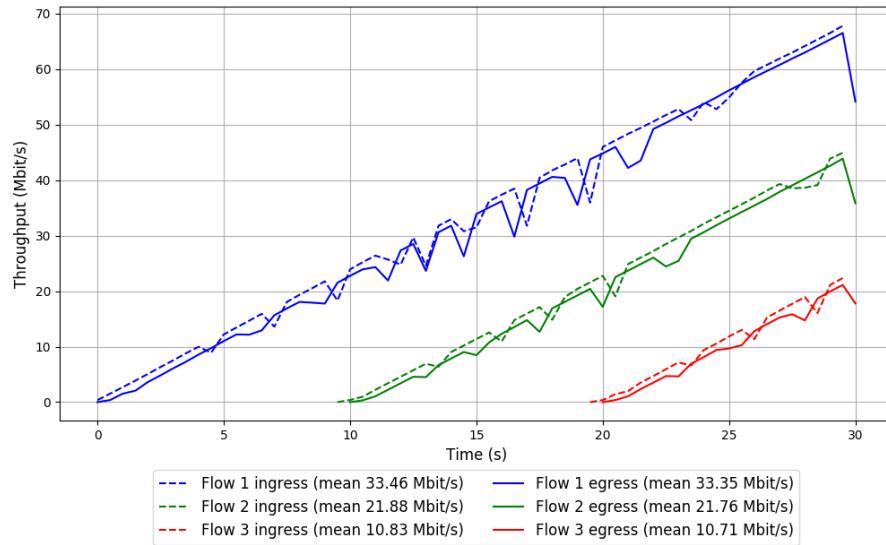


Run 4: Statistics of LEDBAT

```
Start at: 2018-07-12 17:59:48
End at: 2018-07-12 18:00:18
Local clock offset: -0.053 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.33 Mbit/s
95th percentile per-packet one-way delay: 54.259 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 33.35 Mbit/s
95th percentile per-packet one-way delay: 54.369 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 21.76 Mbit/s
95th percentile per-packet one-way delay: 54.128 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 51.297 ms
Loss rate: 2.12%
```

Run 4: Report of LEDBAT — Data Link

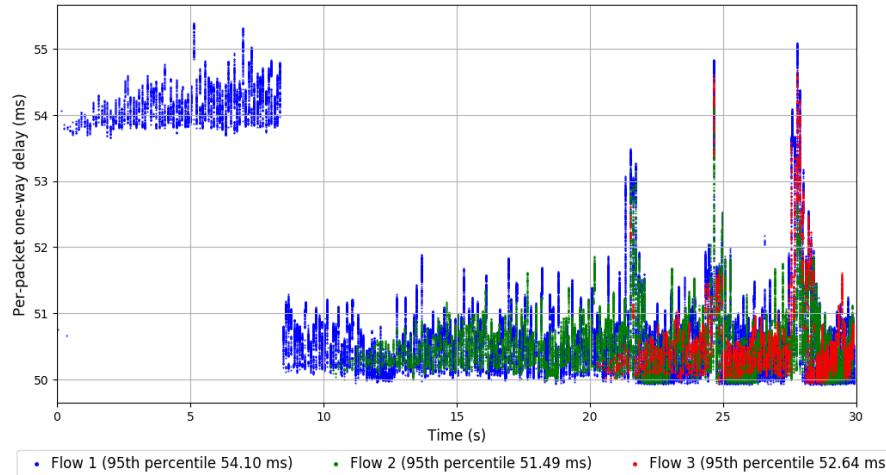
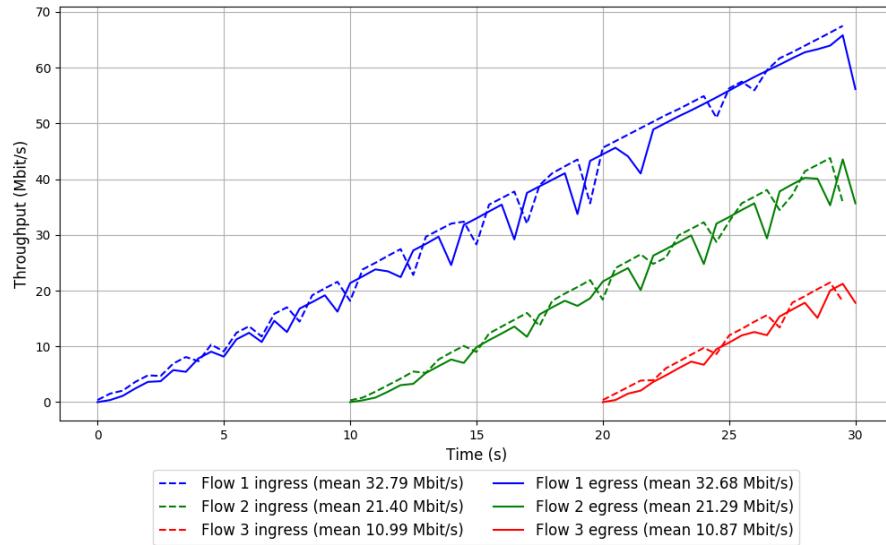


Run 5: Statistics of LEDBAT

```
Start at: 2018-07-12 18:24:31
End at: 2018-07-12 18:25:01
Local clock offset: 0.075 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 53.870 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 32.68 Mbit/s
95th percentile per-packet one-way delay: 54.100 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 21.29 Mbit/s
95th percentile per-packet one-way delay: 51.495 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 10.87 Mbit/s
95th percentile per-packet one-way delay: 52.637 ms
Loss rate: 2.11%
```

Run 5: Report of LEDBAT — Data Link

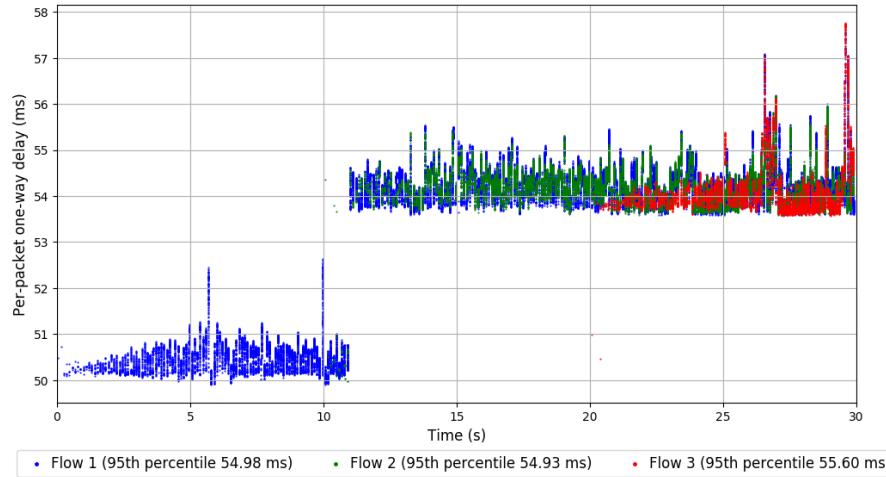
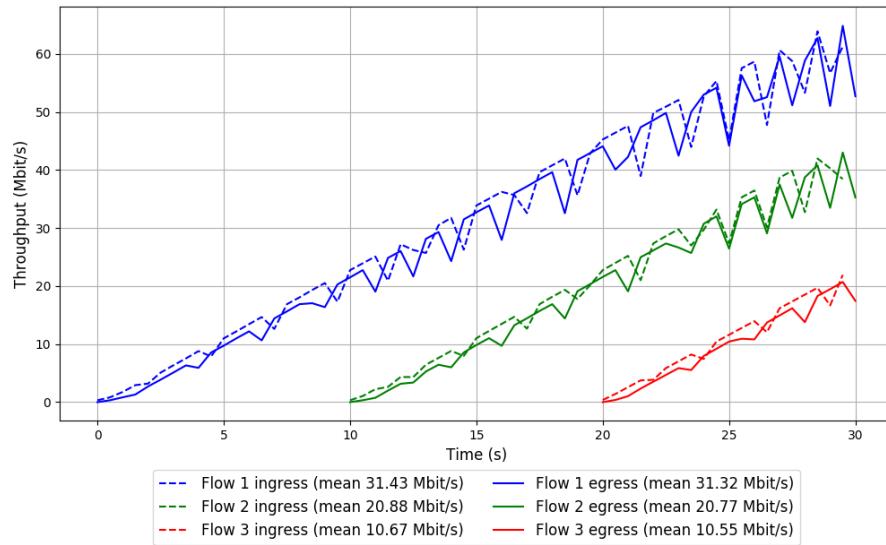


Run 6: Statistics of LEDBAT

```
Start at: 2018-07-12 18:49:39
End at: 2018-07-12 18:50:09
Local clock offset: 0.025 ms
Remote clock offset: -0.133 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 54.996 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 31.32 Mbit/s
95th percentile per-packet one-way delay: 54.980 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 20.77 Mbit/s
95th percentile per-packet one-way delay: 54.934 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 10.55 Mbit/s
95th percentile per-packet one-way delay: 55.604 ms
Loss rate: 2.12%
```

Run 6: Report of LEDBAT — Data Link

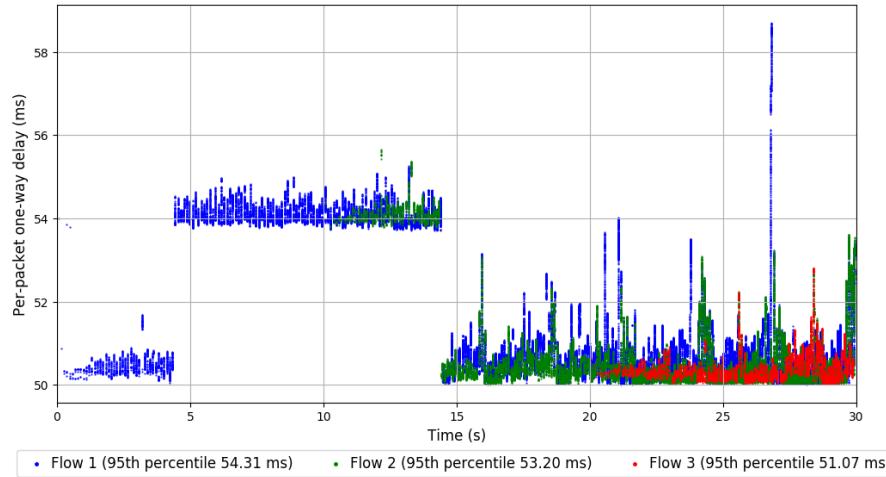
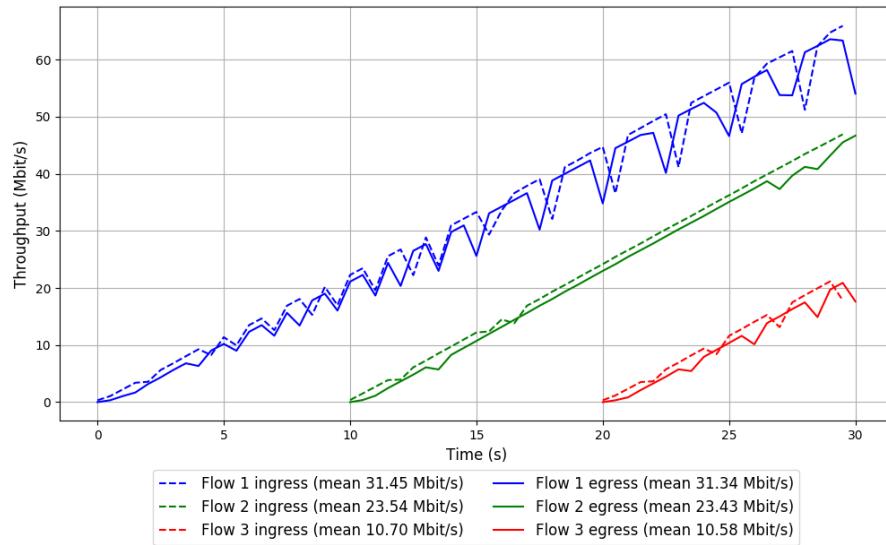


Run 7: Statistics of LEDBAT

```
Start at: 2018-07-12 19:15:05
End at: 2018-07-12 19:15:35
Local clock offset: 0.013 ms
Remote clock offset: -0.204 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 54.186 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 54.308 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 23.43 Mbit/s
95th percentile per-packet one-way delay: 53.197 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 51.072 ms
Loss rate: 2.14%
```

Run 7: Report of LEDBAT — Data Link

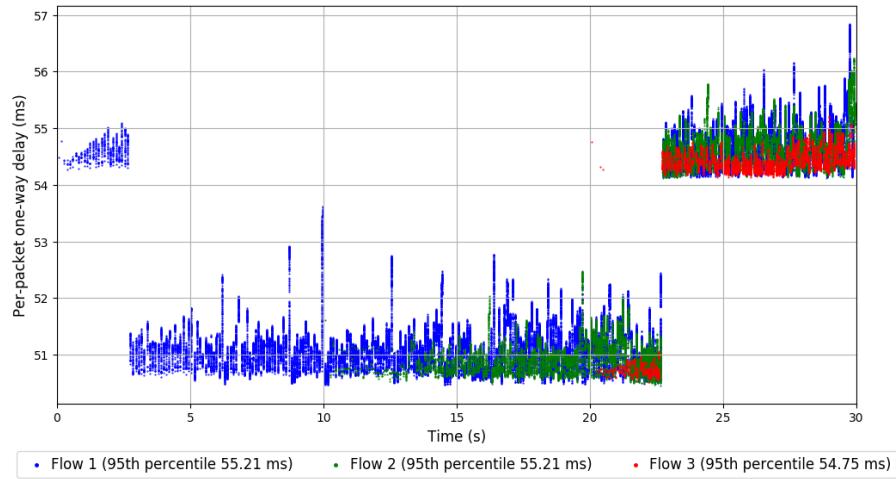
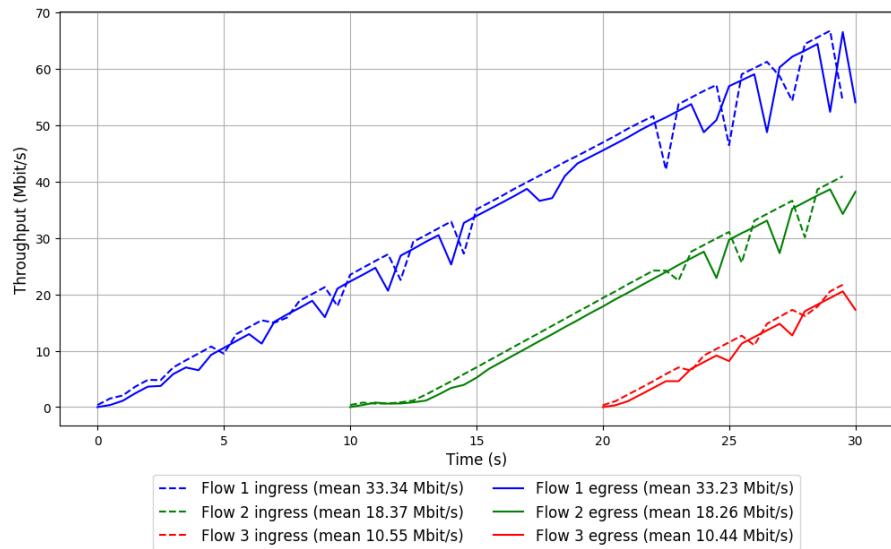


Run 8: Statistics of LEDBAT

```
Start at: 2018-07-12 19:40:27
End at: 2018-07-12 19:40:57
Local clock offset: 0.608 ms
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.73 Mbit/s
95th percentile per-packet one-way delay: 55.189 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 33.23 Mbit/s
95th percentile per-packet one-way delay: 55.214 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 18.26 Mbit/s
95th percentile per-packet one-way delay: 55.213 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 10.44 Mbit/s
95th percentile per-packet one-way delay: 54.753 ms
Loss rate: 2.11%
```

Run 8: Report of LEDBAT — Data Link

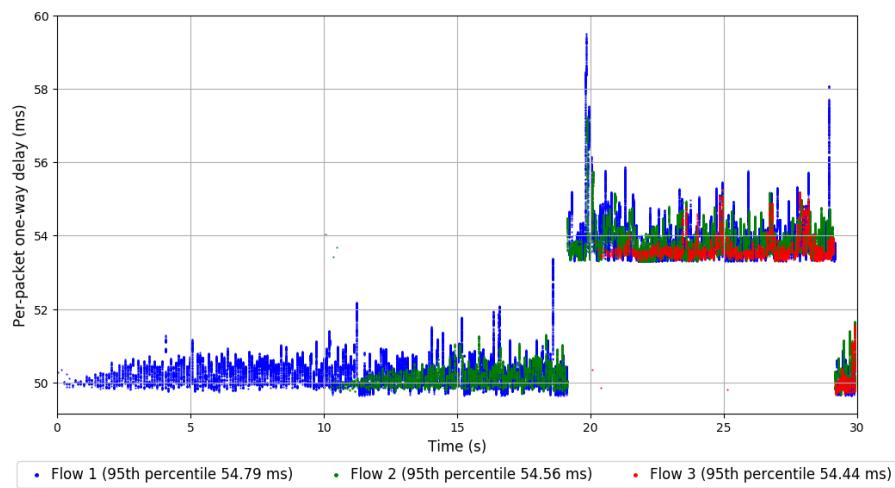
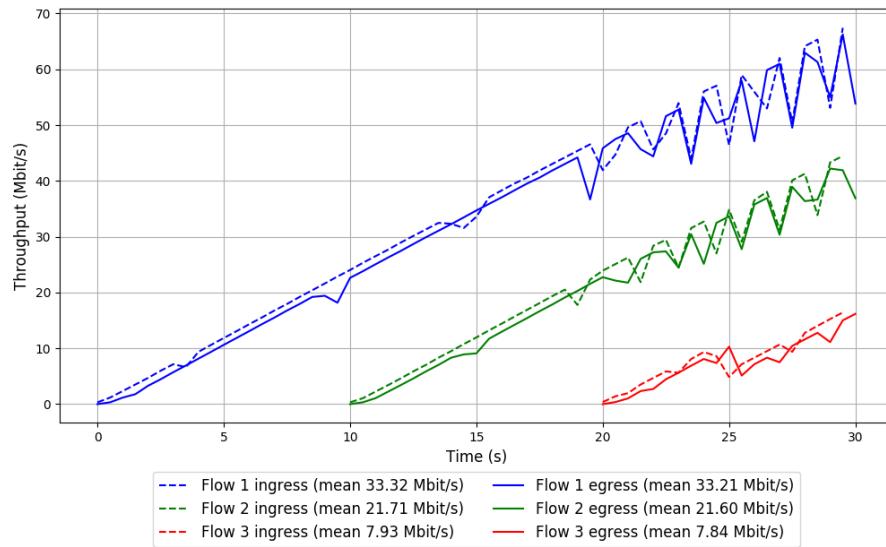


Run 9: Statistics of LEDBAT

```
Start at: 2018-07-12 20:05:51
End at: 2018-07-12 20:06:21
Local clock offset: -0.059 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 54.688 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 54.794 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 21.60 Mbit/s
95th percentile per-packet one-way delay: 54.559 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 7.84 Mbit/s
95th percentile per-packet one-way delay: 54.444 ms
Loss rate: 2.15%
```

Run 9: Report of LEDBAT — Data Link

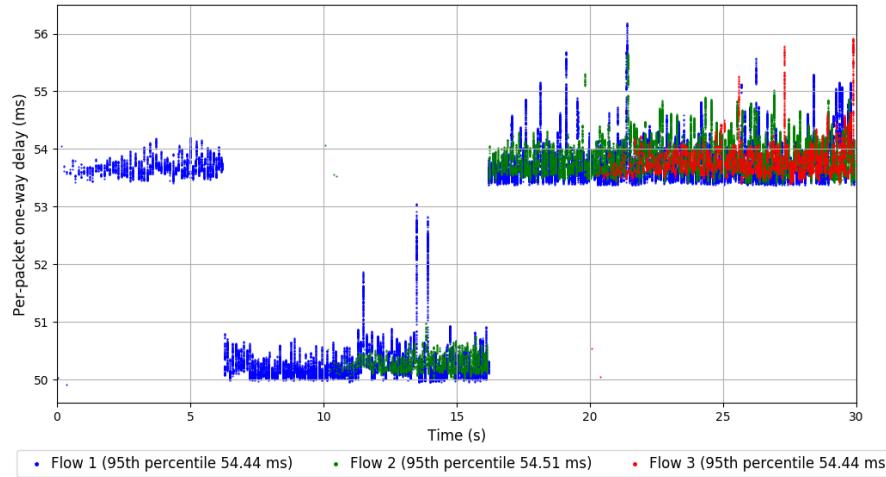
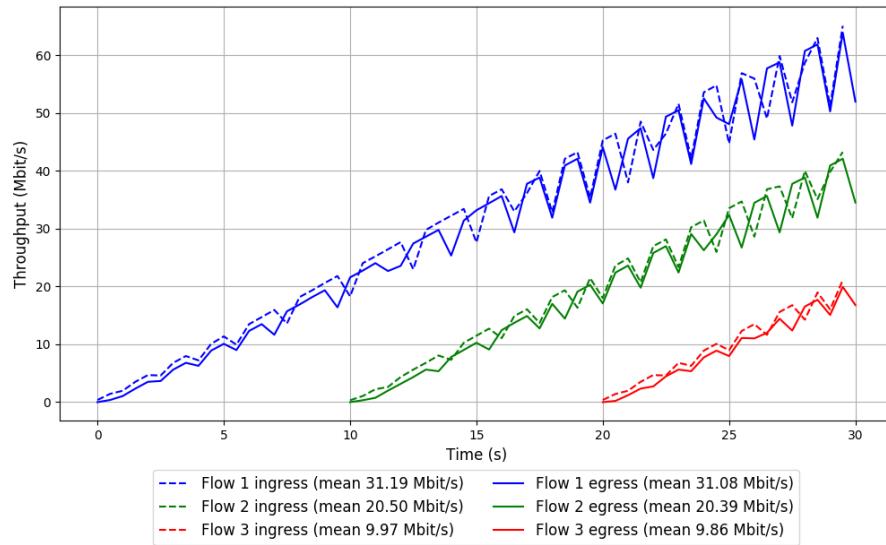


Run 10: Statistics of LEDBAT

```
Start at: 2018-07-12 20:31:04
End at: 2018-07-12 20:31:34
Local clock offset: 0.124 ms
Remote clock offset: 0.129 ms

# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.85 Mbit/s
95th percentile per-packet one-way delay: 54.461 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 54.435 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 20.39 Mbit/s
95th percentile per-packet one-way delay: 54.506 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 9.86 Mbit/s
95th percentile per-packet one-way delay: 54.440 ms
Loss rate: 2.18%
```

Run 10: Report of LEDBAT — Data Link

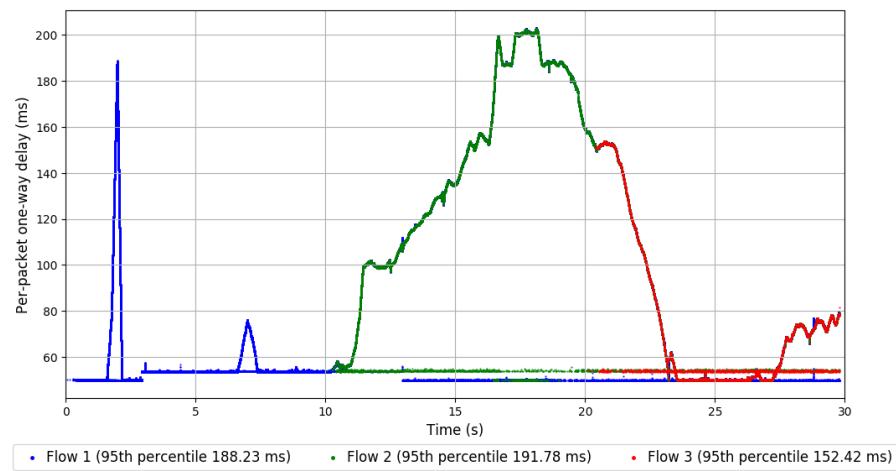
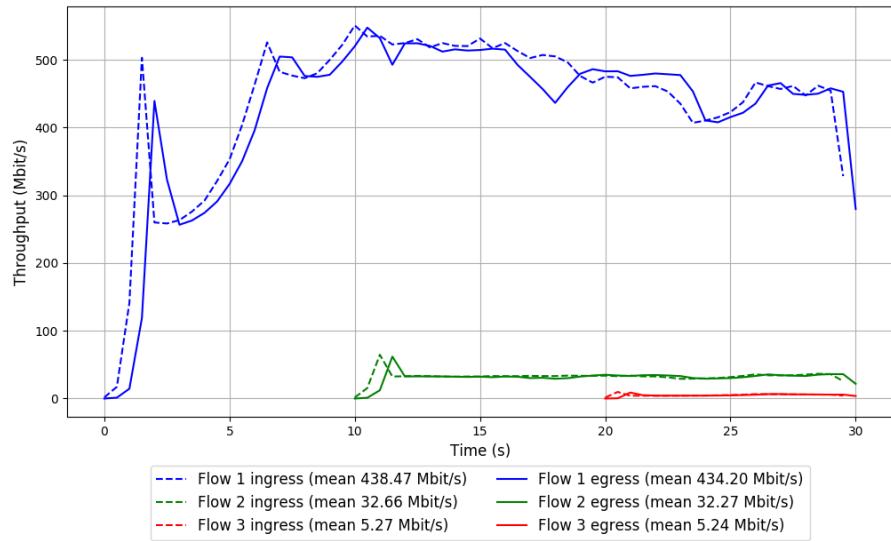


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-07-12 16:56:27
End at: 2018-07-12 16:56:57
Local clock offset: -0.072 ms
Remote clock offset: -0.196 ms

# Below is generated by plot.py at 2018-07-12 23:00:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 457.27 Mbit/s
95th percentile per-packet one-way delay: 188.257 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 434.20 Mbit/s
95th percentile per-packet one-way delay: 188.232 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 191.785 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 5.24 Mbit/s
95th percentile per-packet one-way delay: 152.416 ms
Loss rate: 1.51%
```

Run 1: Report of PCC-Allegro — Data Link

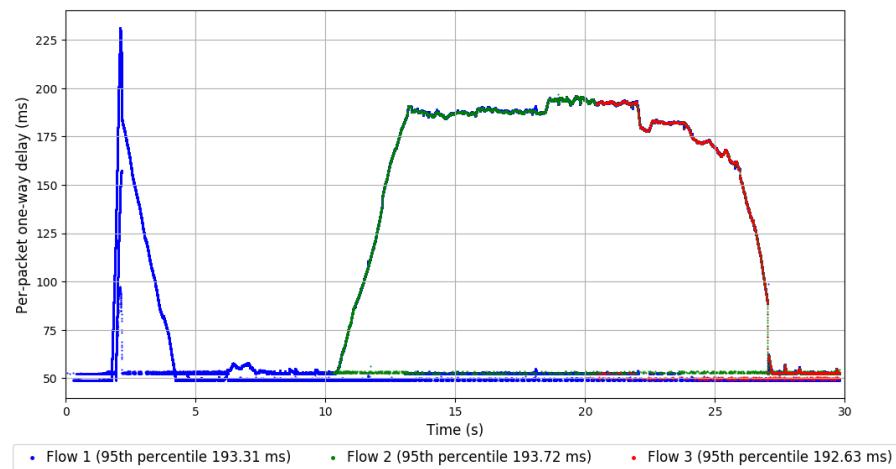
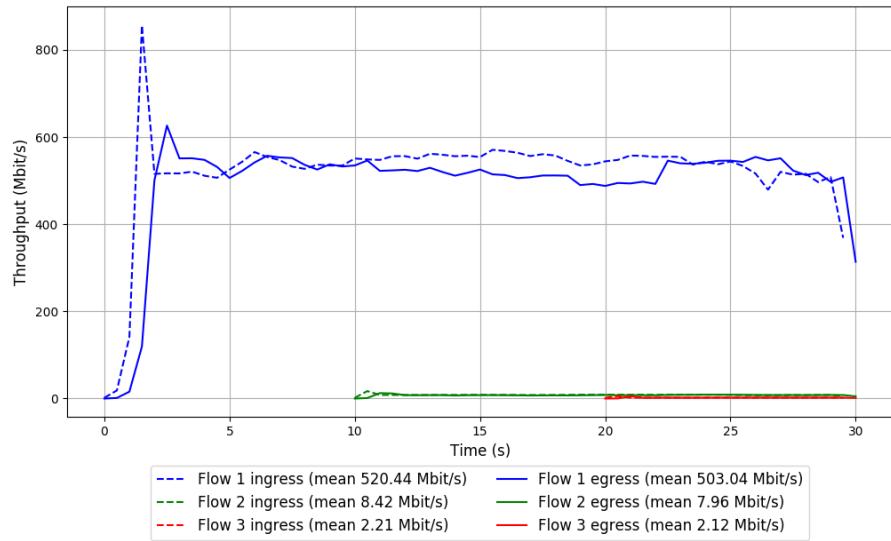


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-07-12 17:23:33
End at: 2018-07-12 17:24:03
Local clock offset: 0.183 ms
Remote clock offset: 1.205 ms

# Below is generated by plot.py at 2018-07-12 23:01:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 508.98 Mbit/s
95th percentile per-packet one-way delay: 193.317 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 503.04 Mbit/s
95th percentile per-packet one-way delay: 193.314 ms
Loss rate: 3.69%
-- Flow 2:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 193.716 ms
Loss rate: 5.93%
-- Flow 3:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 192.634 ms
Loss rate: 5.10%
```

Run 2: Report of PCC-Allegro — Data Link

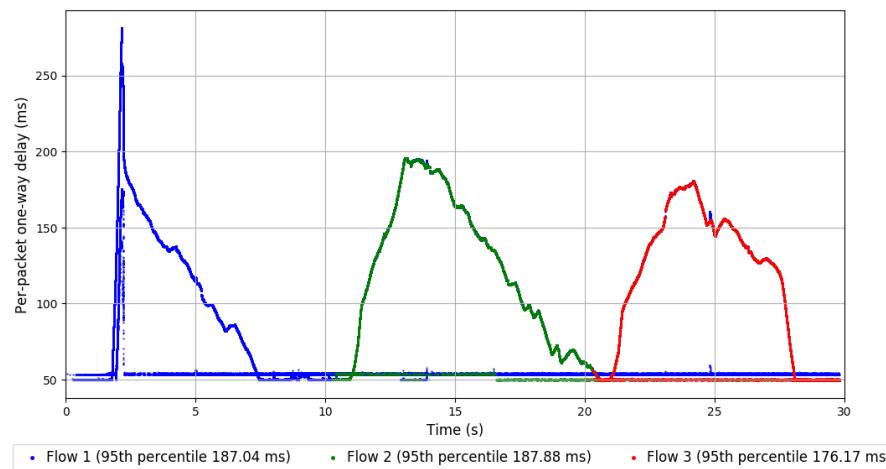
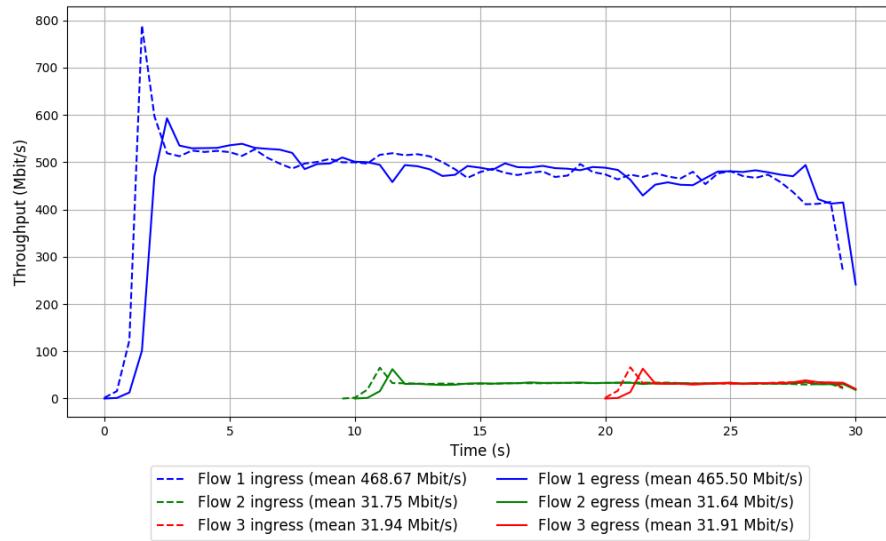


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-07-12 17:50:33
End at: 2018-07-12 17:51:03
Local clock offset: -0.55 ms
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-07-12 23:01:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 496.94 Mbit/s
95th percentile per-packet one-way delay: 186.940 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 465.50 Mbit/s
95th percentile per-packet one-way delay: 187.043 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 187.880 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 176.171 ms
Loss rate: 1.12%
```

Run 3: Report of PCC-Allegro — Data Link

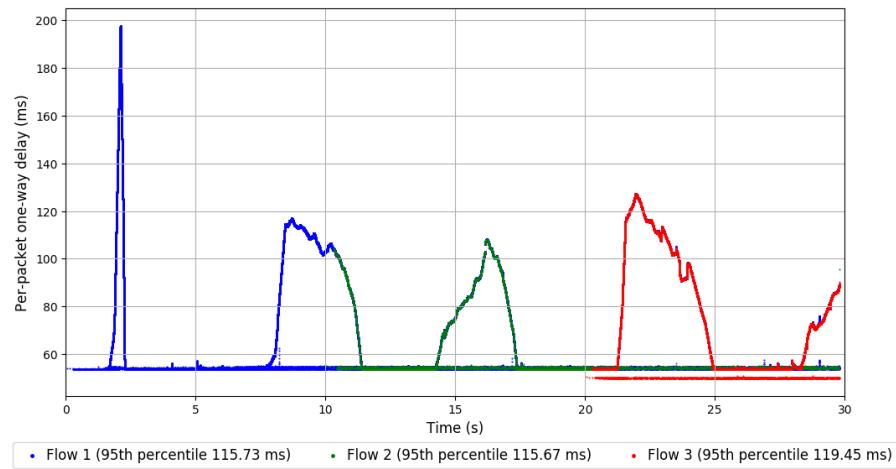
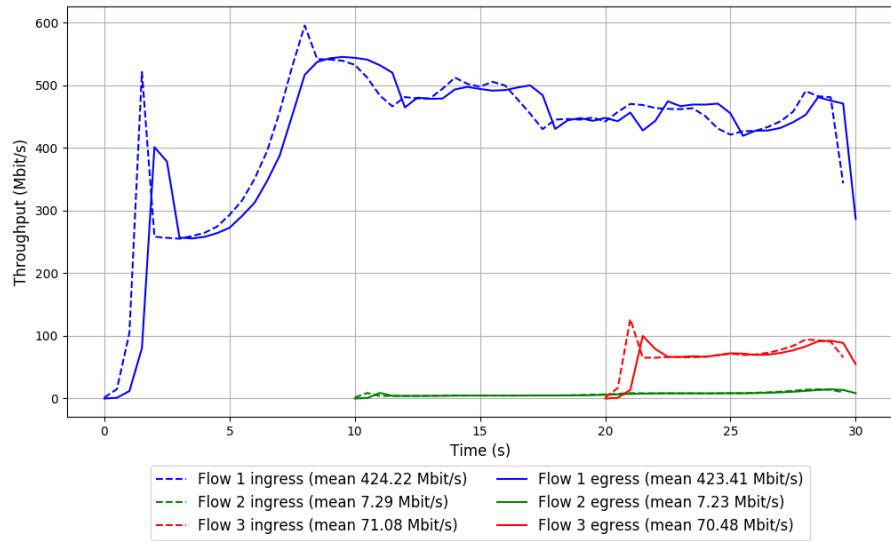


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-07-12 18:15:23
End at: 2018-07-12 18:15:53
Local clock offset: 0.147 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2018-07-12 23:01:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 451.18 Mbit/s
95th percentile per-packet one-way delay: 115.803 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 423.41 Mbit/s
95th percentile per-packet one-way delay: 115.732 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 115.671 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 70.48 Mbit/s
95th percentile per-packet one-way delay: 119.447 ms
Loss rate: 1.86%
```

Run 4: Report of PCC-Allegro — Data Link

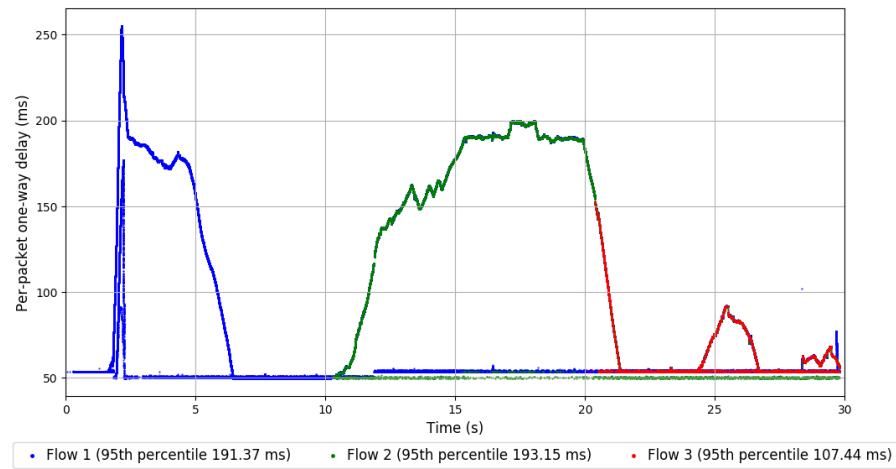
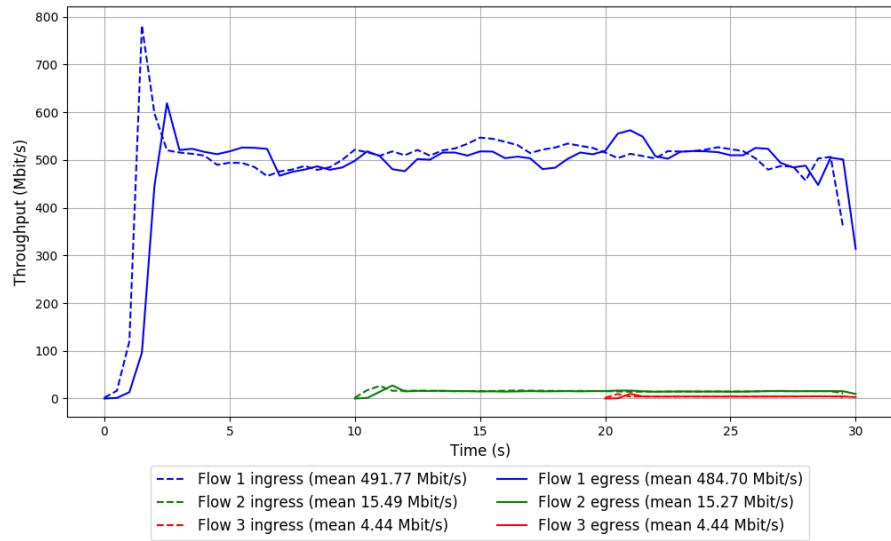


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-07-12 18:40:28
End at: 2018-07-12 18:40:58
Local clock offset: -0.413 ms
Remote clock offset: -0.226 ms

# Below is generated by plot.py at 2018-07-12 23:01:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 496.28 Mbit/s
95th percentile per-packet one-way delay: 191.368 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 484.70 Mbit/s
95th percentile per-packet one-way delay: 191.374 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 15.27 Mbit/s
95th percentile per-packet one-way delay: 193.150 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 107.438 ms
Loss rate: 1.15%
```

Run 5: Report of PCC-Allegro — Data Link

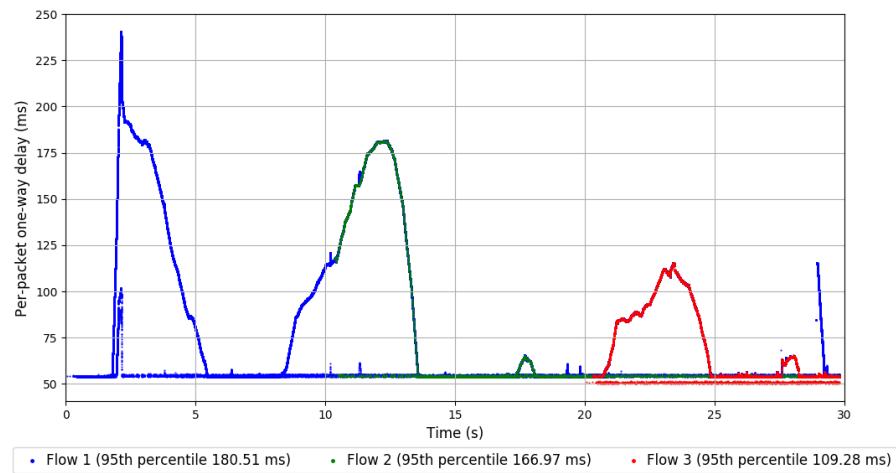
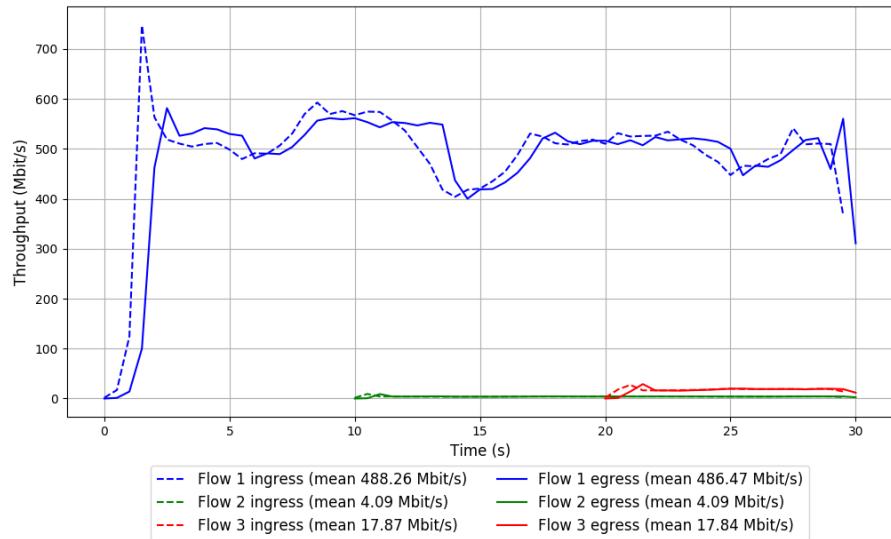


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-07-12 19:05:57
End at: 2018-07-12 19:06:27
Local clock offset: 0.364 ms
Remote clock offset: 0.081 ms

# Below is generated by plot.py at 2018-07-12 23:01:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 495.02 Mbit/s
95th percentile per-packet one-way delay: 180.405 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 486.47 Mbit/s
95th percentile per-packet one-way delay: 180.509 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 166.974 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 17.84 Mbit/s
95th percentile per-packet one-way delay: 109.277 ms
Loss rate: 1.23%
```

Run 6: Report of PCC-Allegro — Data Link

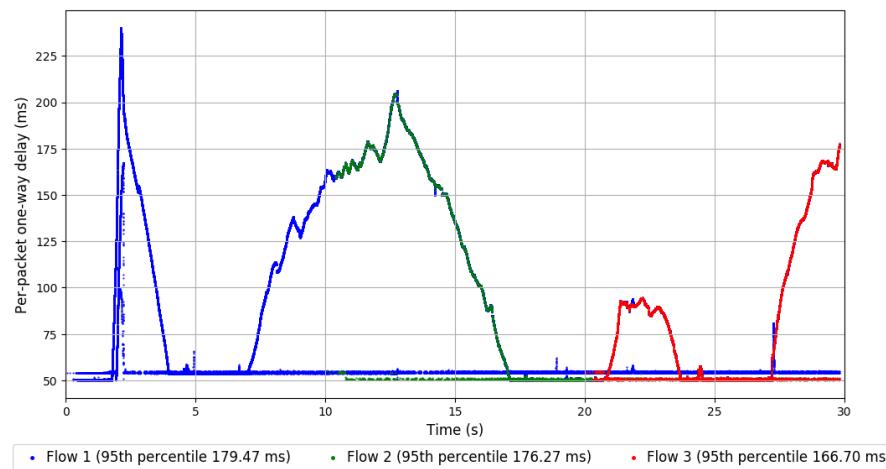
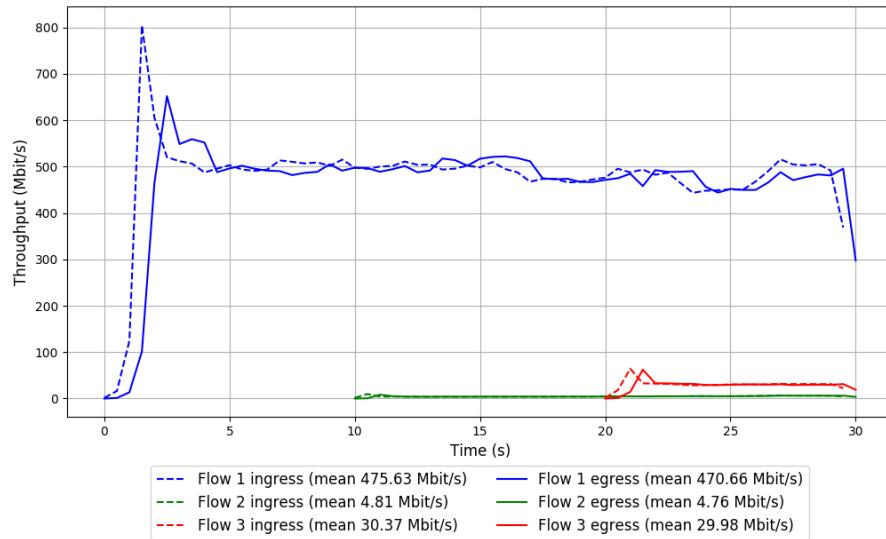


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-07-12 19:31:17
End at: 2018-07-12 19:31:47
Local clock offset: 0.04 ms
Remote clock offset: -0.21 ms

# Below is generated by plot.py at 2018-07-12 23:02:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 483.62 Mbit/s
95th percentile per-packet one-way delay: 178.988 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 470.66 Mbit/s
95th percentile per-packet one-way delay: 179.473 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 176.273 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 29.98 Mbit/s
95th percentile per-packet one-way delay: 166.703 ms
Loss rate: 2.35%
```

Run 7: Report of PCC-Allegro — Data Link

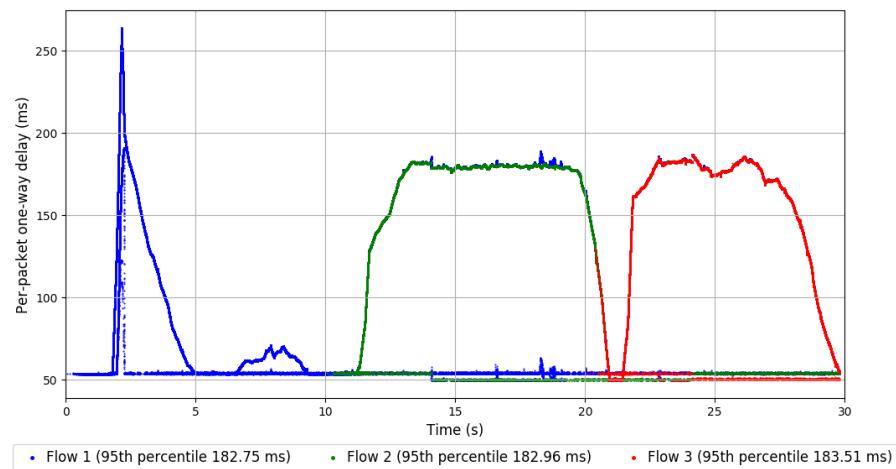
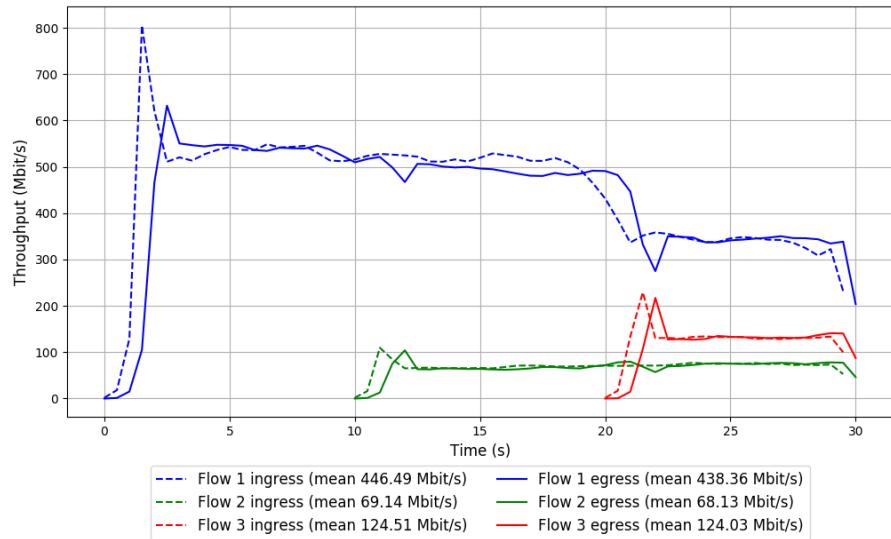


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-07-12 19:56:56
End at: 2018-07-12 19:57:26
Local clock offset: -0.015 ms
Remote clock offset: -0.107 ms

# Below is generated by plot.py at 2018-07-12 23:06:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 524.09 Mbit/s
95th percentile per-packet one-way delay: 182.947 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 438.36 Mbit/s
95th percentile per-packet one-way delay: 182.750 ms
Loss rate: 2.18%
-- Flow 2:
Average throughput: 68.13 Mbit/s
95th percentile per-packet one-way delay: 182.956 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 124.03 Mbit/s
95th percentile per-packet one-way delay: 183.513 ms
Loss rate: 1.48%
```

Run 8: Report of PCC-Allegro — Data Link

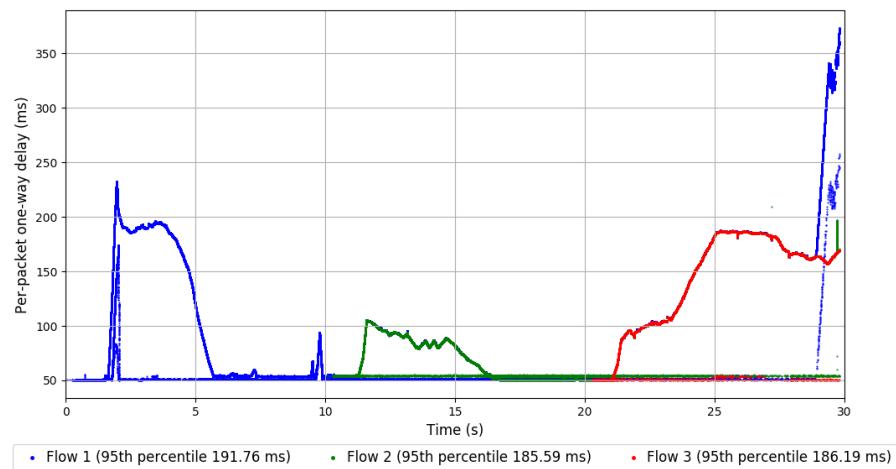
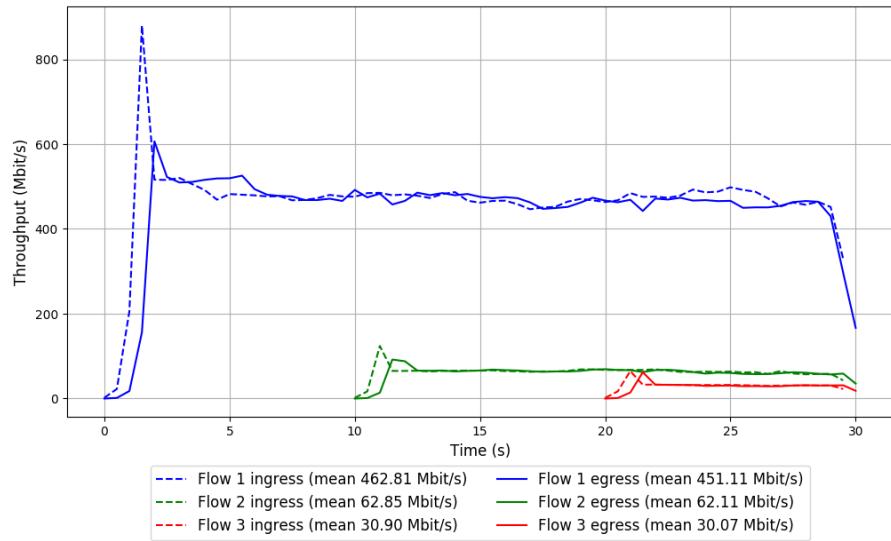


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-07-12 20:21:46
End at: 2018-07-12 20:22:16
Local clock offset: 0.103 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2018-07-12 23:08:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 502.15 Mbit/s
95th percentile per-packet one-way delay: 191.059 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 451.11 Mbit/s
95th percentile per-packet one-way delay: 191.757 ms
Loss rate: 2.87%
-- Flow 2:
Average throughput: 62.11 Mbit/s
95th percentile per-packet one-way delay: 185.585 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 186.193 ms
Loss rate: 3.72%
```

Run 9: Report of PCC-Allegro — Data Link

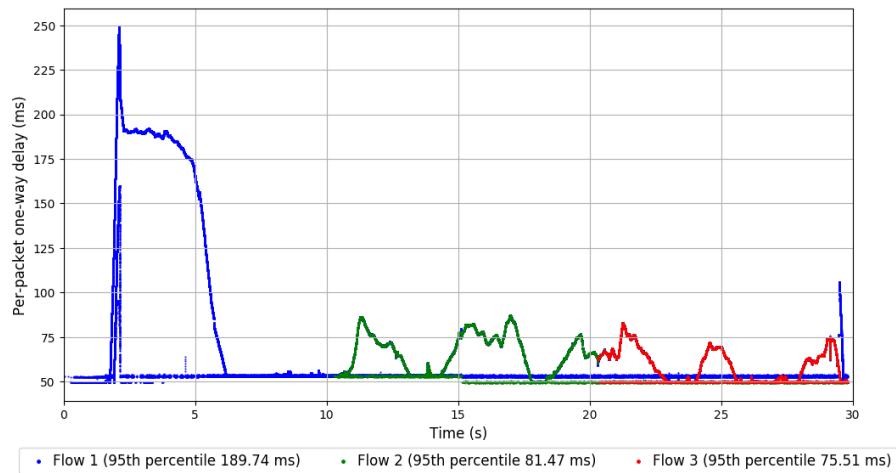
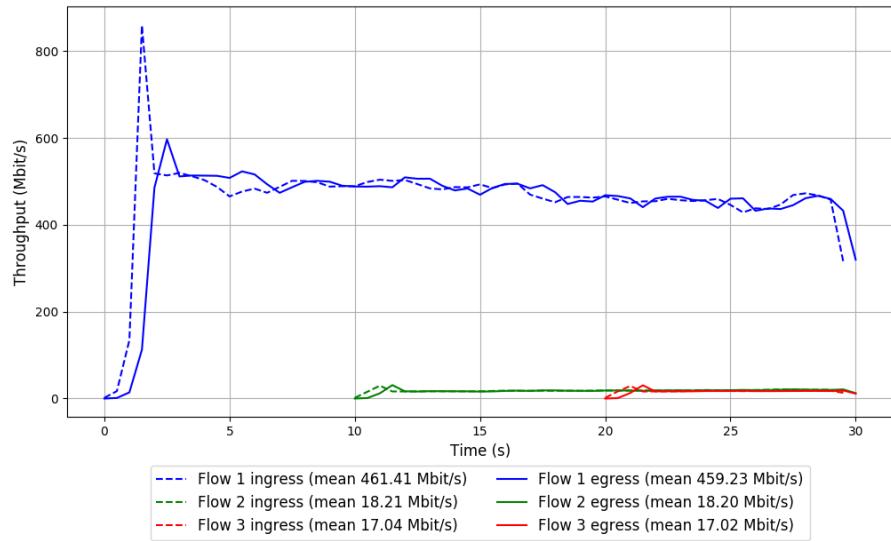


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-07-12 20:47:15
End at: 2018-07-12 20:47:45
Local clock offset: 0.061 ms
Remote clock offset: 0.56 ms

# Below is generated by plot.py at 2018-07-12 23:08:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 476.87 Mbit/s
95th percentile per-packet one-way delay: 189.575 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 459.23 Mbit/s
95th percentile per-packet one-way delay: 189.739 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 18.20 Mbit/s
95th percentile per-packet one-way delay: 81.470 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 17.02 Mbit/s
95th percentile per-packet one-way delay: 75.513 ms
Loss rate: 1.12%
```

Run 10: Report of PCC-Allegro — Data Link

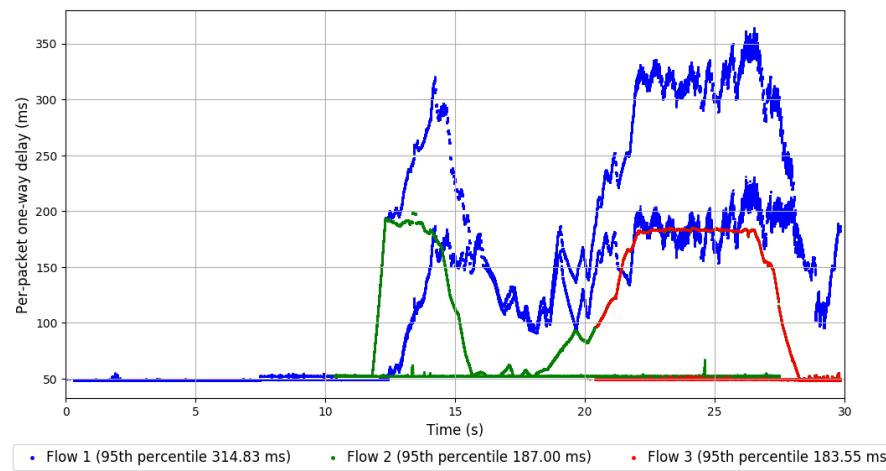
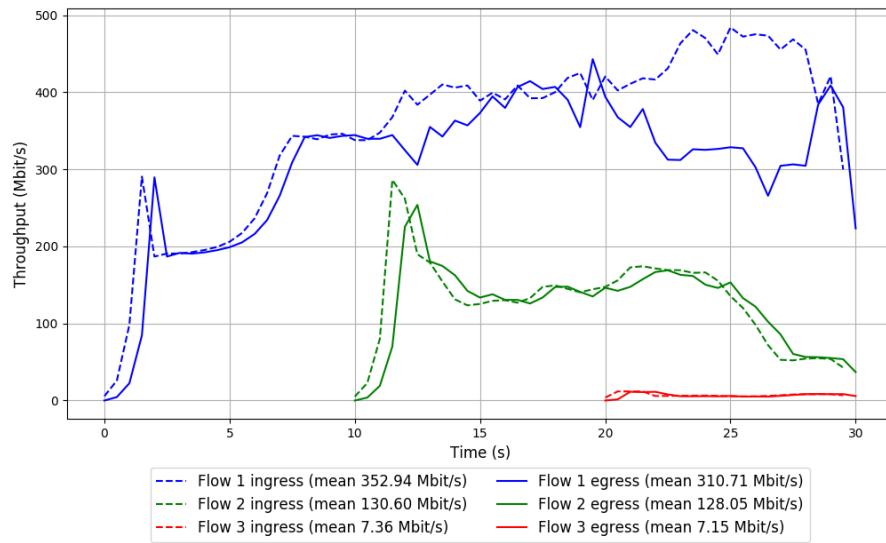


Run 1: Statistics of PCC-Expr

```
Start at: 2018-07-12 16:41:42
End at: 2018-07-12 16:42:12
Local clock offset: 0.008 ms
Remote clock offset: 1.191 ms

# Below is generated by plot.py at 2018-07-12 23:14:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.01 Mbit/s
95th percentile per-packet one-way delay: 308.941 ms
Loss rate: 10.29%
-- Flow 1:
Average throughput: 310.71 Mbit/s
95th percentile per-packet one-way delay: 314.834 ms
Loss rate: 12.26%
-- Flow 2:
Average throughput: 128.05 Mbit/s
95th percentile per-packet one-way delay: 187.005 ms
Loss rate: 2.47%
-- Flow 3:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 183.553 ms
Loss rate: 3.86%
```

Run 1: Report of PCC-Expr — Data Link

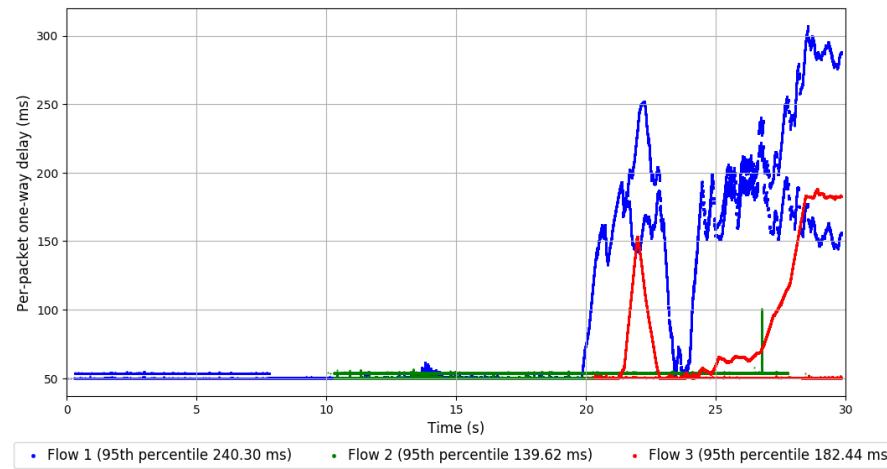
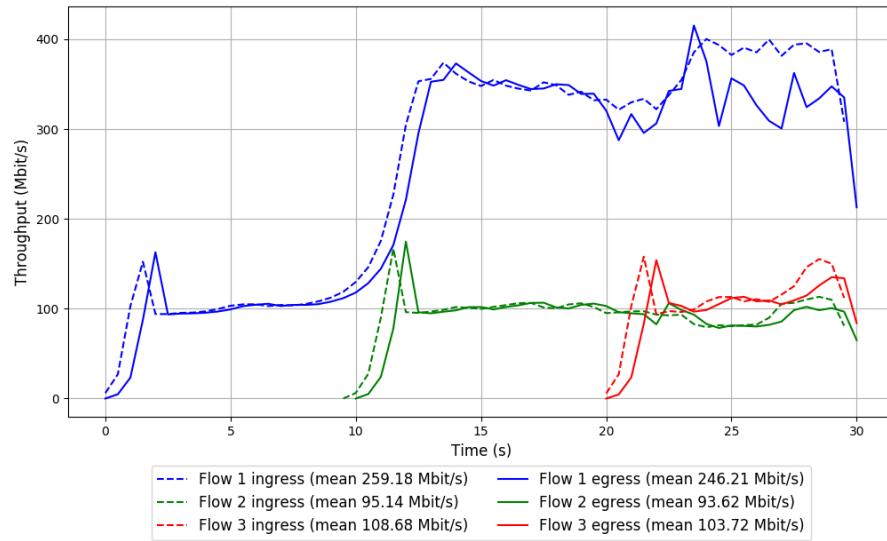


Run 2: Statistics of PCC-Expr

```
Start at: 2018-07-12 17:07:12
End at: 2018-07-12 17:07:42
Local clock offset: -0.024 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2018-07-12 23:14:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 342.40 Mbit/s
95th percentile per-packet one-way delay: 214.684 ms
Loss rate: 4.79%
-- Flow 1:
Average throughput: 246.21 Mbit/s
95th percentile per-packet one-way delay: 240.300 ms
Loss rate: 5.34%
-- Flow 2:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 139.618 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 103.72 Mbit/s
95th percentile per-packet one-way delay: 182.439 ms
Loss rate: 5.59%
```

Run 2: Report of PCC-Expr — Data Link

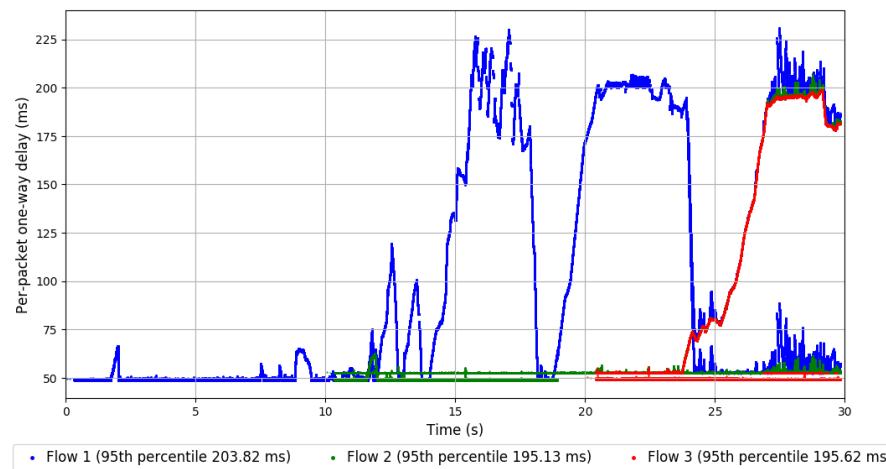
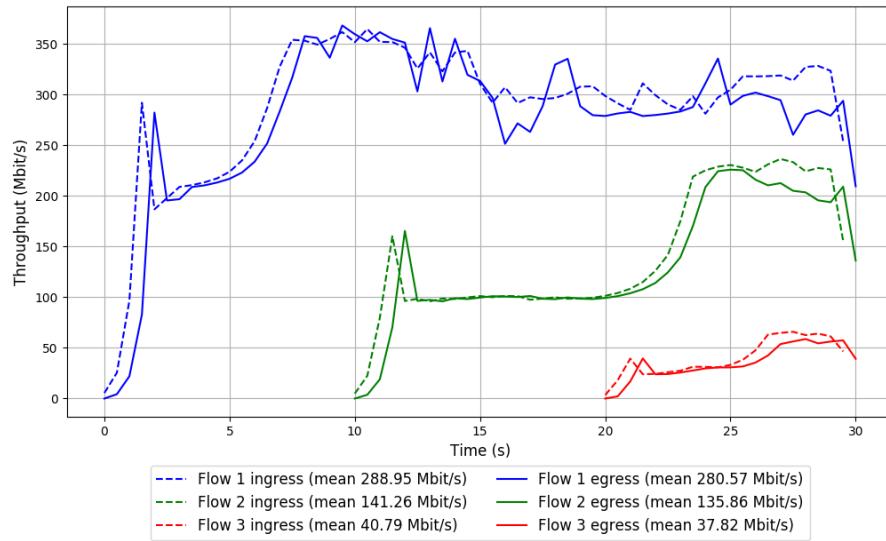


Run 3: Statistics of PCC-Expr

```
Start at: 2018-07-12 17:35:31
End at: 2018-07-12 17:36:01
Local clock offset: -0.039 ms
Remote clock offset: 1.077 ms

# Below is generated by plot.py at 2018-07-12 23:14:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 383.10 Mbit/s
95th percentile per-packet one-way delay: 202.400 ms
Loss rate: 3.67%
-- Flow 1:
Average throughput: 280.57 Mbit/s
95th percentile per-packet one-way delay: 203.819 ms
Loss rate: 3.24%
-- Flow 2:
Average throughput: 135.86 Mbit/s
95th percentile per-packet one-way delay: 195.132 ms
Loss rate: 4.34%
-- Flow 3:
Average throughput: 37.82 Mbit/s
95th percentile per-packet one-way delay: 195.625 ms
Loss rate: 8.26%
```

Run 3: Report of PCC-Expr — Data Link

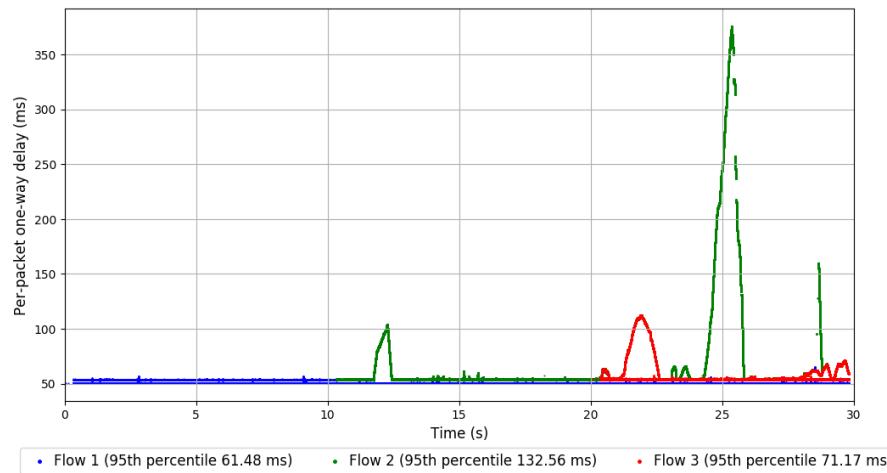
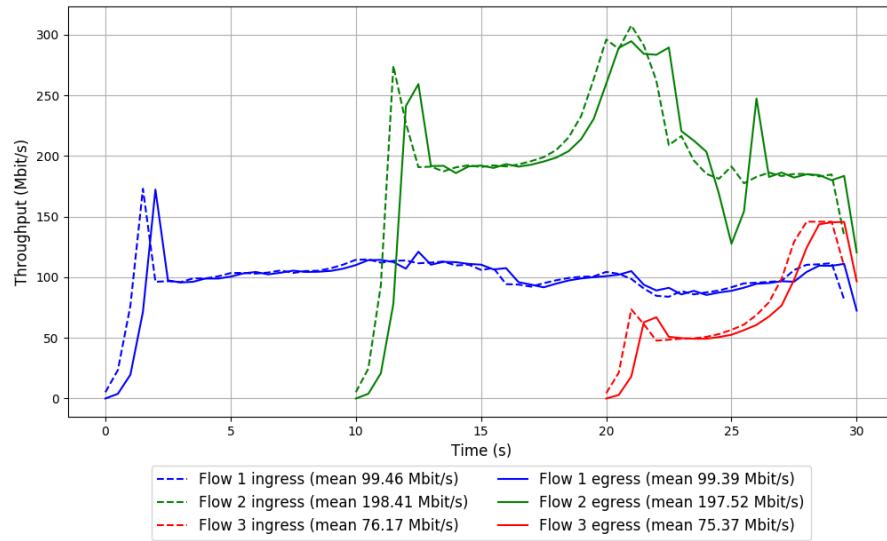


Run 4: Statistics of PCC-Expr

```
Start at: 2018-07-12 18:01:01
End at: 2018-07-12 18:01:31
Local clock offset: -0.128 ms
Remote clock offset: -0.394 ms

# Below is generated by plot.py at 2018-07-12 23:14:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 255.15 Mbit/s
95th percentile per-packet one-way delay: 104.032 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 99.39 Mbit/s
95th percentile per-packet one-way delay: 61.476 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 197.52 Mbit/s
95th percentile per-packet one-way delay: 132.565 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 75.37 Mbit/s
95th percentile per-packet one-way delay: 71.168 ms
Loss rate: 2.11%
```

Run 4: Report of PCC-Expr — Data Link

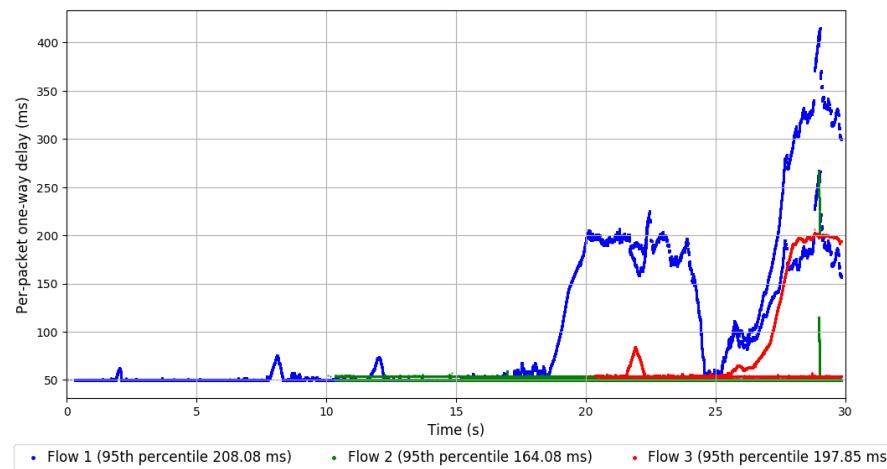
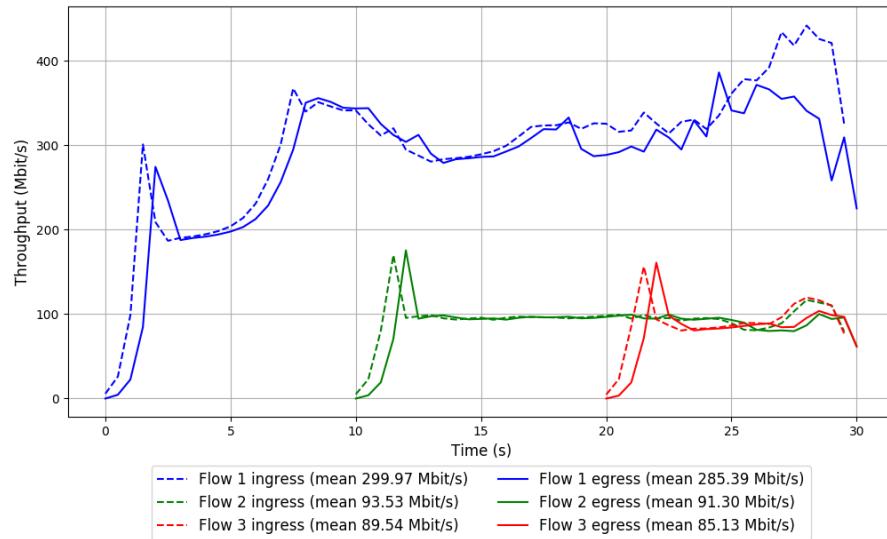


Run 5: Statistics of PCC-Expr

```
Start at: 2018-07-12 18:25:44
End at: 2018-07-12 18:26:14
Local clock offset: 0.11 ms
Remote clock offset: 0.164 ms

# Below is generated by plot.py at 2018-07-12 23:14:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 373.86 Mbit/s
95th percentile per-packet one-way delay: 200.004 ms
Loss rate: 4.89%
-- Flow 1:
Average throughput: 285.39 Mbit/s
95th percentile per-packet one-way delay: 208.076 ms
Loss rate: 5.20%
-- Flow 2:
Average throughput: 91.30 Mbit/s
95th percentile per-packet one-way delay: 164.077 ms
Loss rate: 2.92%
-- Flow 3:
Average throughput: 85.13 Mbit/s
95th percentile per-packet one-way delay: 197.850 ms
Loss rate: 5.98%
```

Run 5: Report of PCC-Expr — Data Link

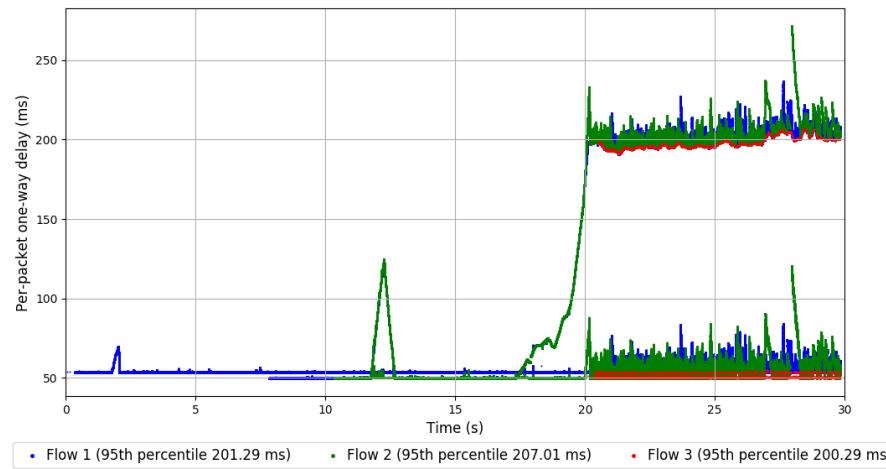
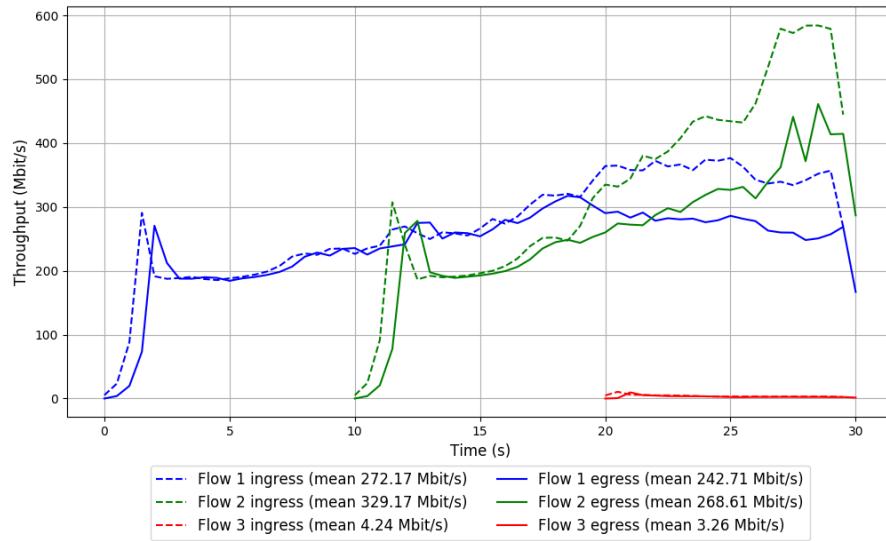


Run 6: Statistics of PCC-Expr

```
Start at: 2018-07-12 18:50:52
End at: 2018-07-12 18:51:22
Local clock offset: -0.028 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2018-07-12 23:24:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 422.08 Mbit/s
95th percentile per-packet one-way delay: 204.026 ms
Loss rate: 14.60%
-- Flow 1:
Average throughput: 242.71 Mbit/s
95th percentile per-packet one-way delay: 201.290 ms
Loss rate: 11.15%
-- Flow 2:
Average throughput: 268.61 Mbit/s
95th percentile per-packet one-way delay: 207.007 ms
Loss rate: 18.83%
-- Flow 3:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 200.295 ms
Loss rate: 23.99%
```

Run 6: Report of PCC-Expr — Data Link

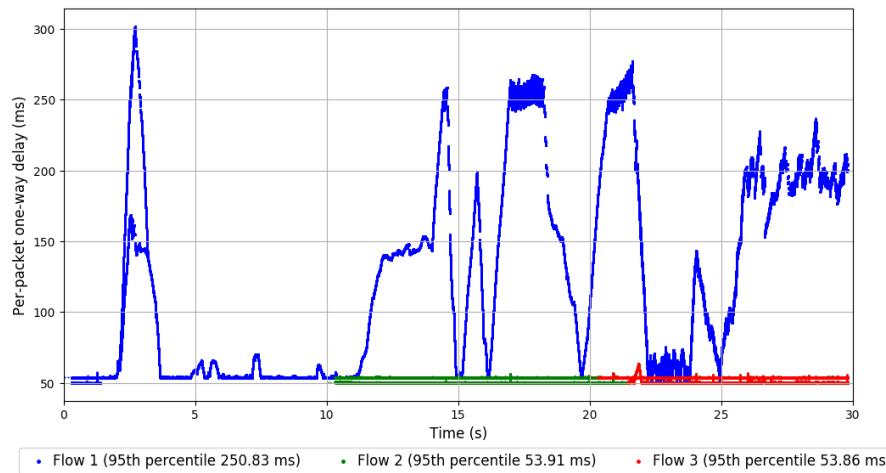
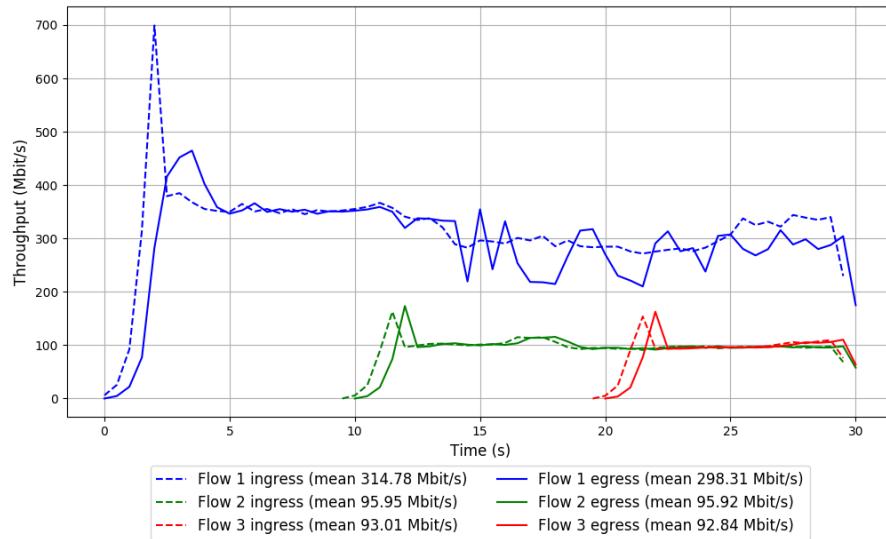


Run 7: Statistics of PCC-Expr

```
Start at: 2018-07-12 19:16:18
End at: 2018-07-12 19:16:48
Local clock offset: 0.21 ms
Remote clock offset: 0.073 ms

# Below is generated by plot.py at 2018-07-12 23:24:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 392.49 Mbit/s
95th percentile per-packet one-way delay: 246.146 ms
Loss rate: 4.45%
-- Flow 1:
Average throughput: 298.31 Mbit/s
95th percentile per-packet one-way delay: 250.826 ms
Loss rate: 5.56%
-- Flow 2:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 53.907 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 53.862 ms
Loss rate: 1.24%
```

Run 7: Report of PCC-Expr — Data Link

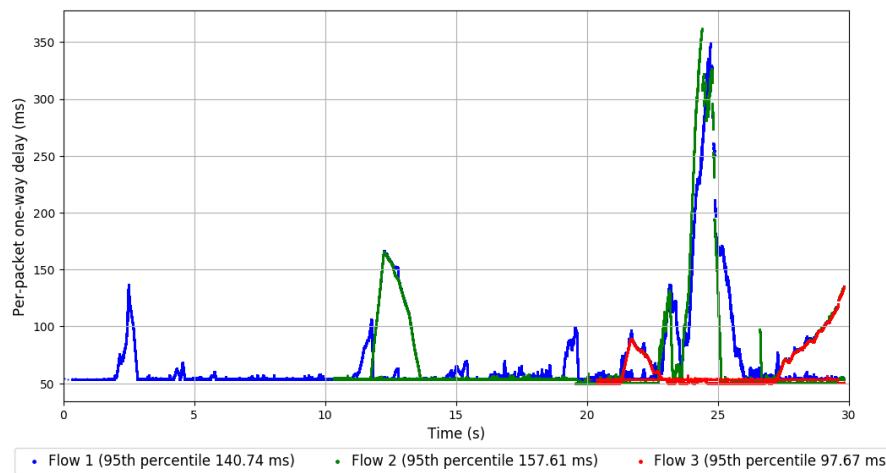
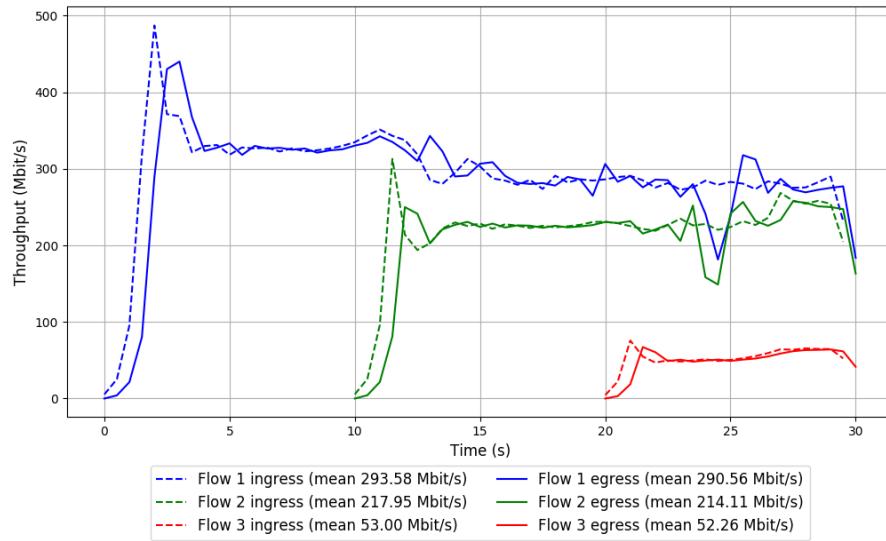


Run 8: Statistics of PCC-Expr

```
Start at: 2018-07-12 19:41:40
End at: 2018-07-12 19:42:10
Local clock offset: 0.166 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2018-07-12 23:25:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 449.83 Mbit/s
95th percentile per-packet one-way delay: 144.326 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 290.56 Mbit/s
95th percentile per-packet one-way delay: 140.743 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 214.11 Mbit/s
95th percentile per-packet one-way delay: 157.611 ms
Loss rate: 2.30%
-- Flow 3:
Average throughput: 52.26 Mbit/s
95th percentile per-packet one-way delay: 97.675 ms
Loss rate: 2.48%
```

Run 8: Report of PCC-Expr — Data Link

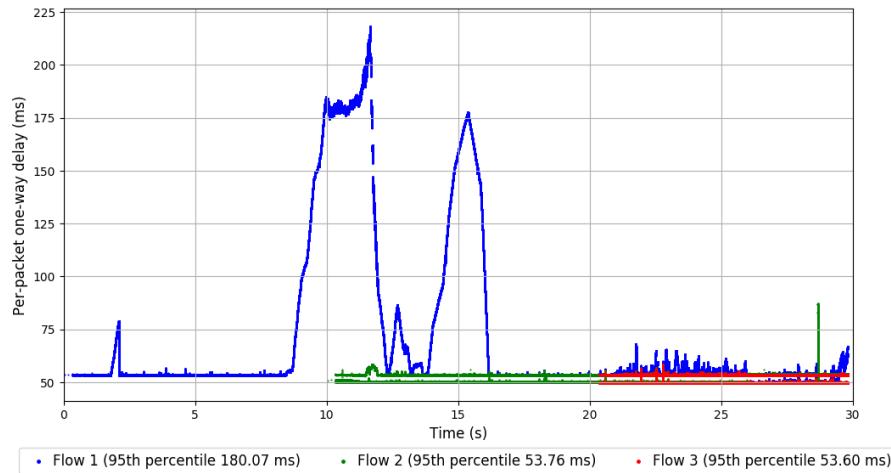
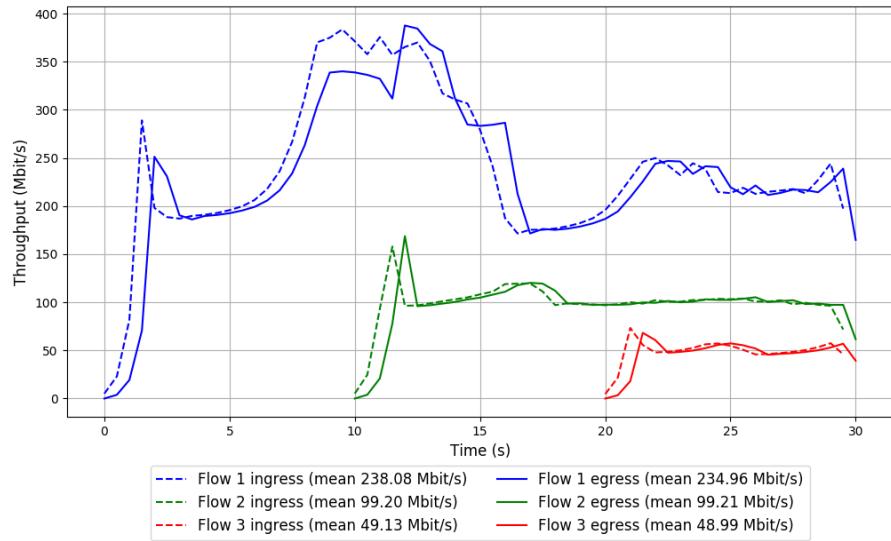


Run 9: Statistics of PCC-Expr

```
Start at: 2018-07-12 20:07:04
End at: 2018-07-12 20:07:34
Local clock offset: -0.058 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2018-07-12 23:25:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 316.88 Mbit/s
95th percentile per-packet one-way delay: 178.595 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 234.96 Mbit/s
95th percentile per-packet one-way delay: 180.066 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 99.21 Mbit/s
95th percentile per-packet one-way delay: 53.758 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 48.99 Mbit/s
95th percentile per-packet one-way delay: 53.603 ms
Loss rate: 1.30%
```

Run 9: Report of PCC-Expr — Data Link

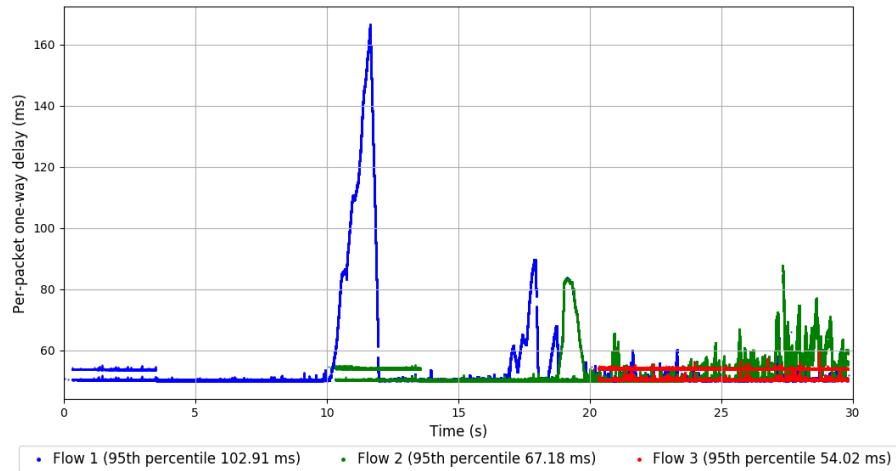
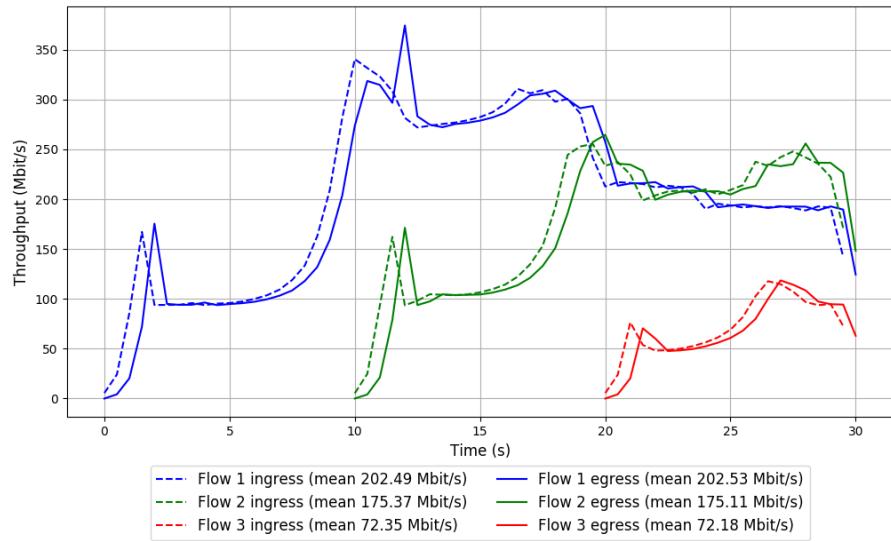


Run 10: Statistics of PCC-Expr

```
Start at: 2018-07-12 20:32:16
End at: 2018-07-12 20:32:46
Local clock offset: -0.043 ms
Remote clock offset: -0.295 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 342.41 Mbit/s
95th percentile per-packet one-way delay: 83.079 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 202.53 Mbit/s
95th percentile per-packet one-way delay: 102.905 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 175.11 Mbit/s
95th percentile per-packet one-way delay: 67.176 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 72.18 Mbit/s
95th percentile per-packet one-way delay: 54.021 ms
Loss rate: 1.37%
```

Run 10: Report of PCC-Expr — Data Link

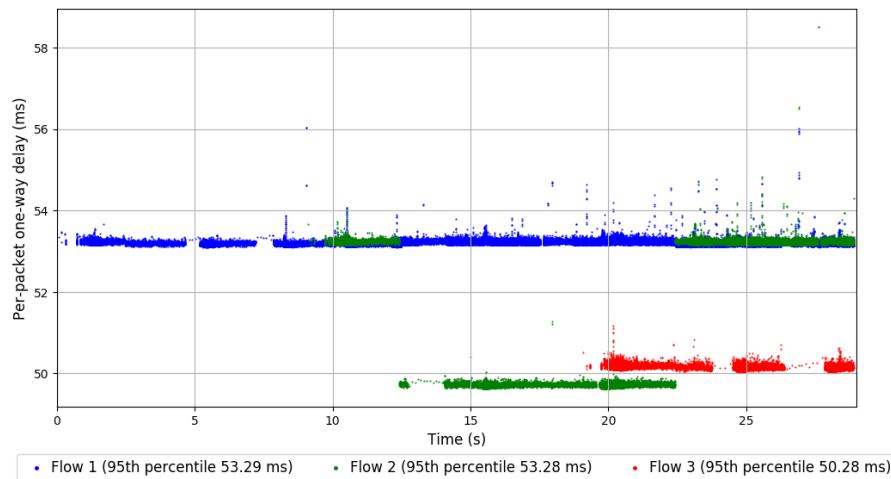
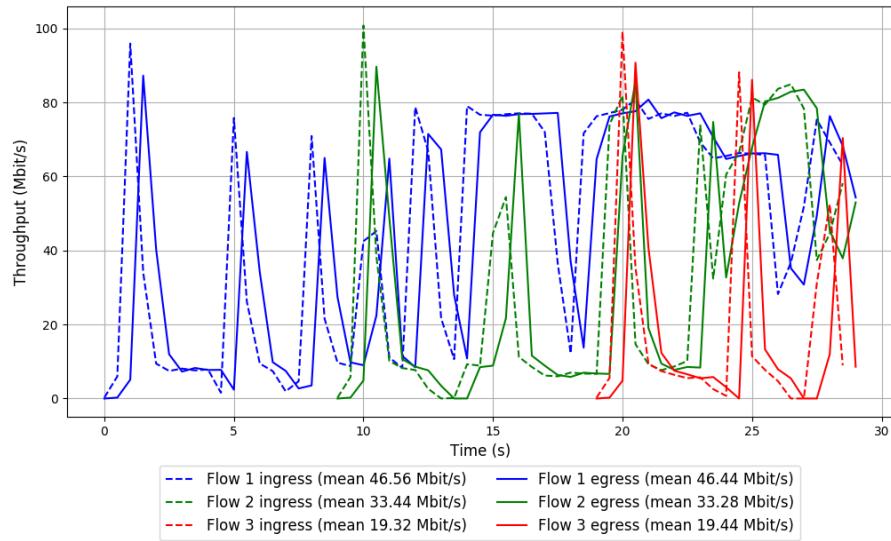


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-07-12 16:50:46
End at: 2018-07-12 16:51:16
Local clock offset: -0.191 ms
Remote clock offset: 0.058 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.89 Mbit/s
95th percentile per-packet one-way delay: 53.281 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 46.44 Mbit/s
95th percentile per-packet one-way delay: 53.287 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 33.28 Mbit/s
95th percentile per-packet one-way delay: 53.278 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 19.44 Mbit/s
95th percentile per-packet one-way delay: 50.278 ms
Loss rate: 0.43%
```

Run 1: Report of QUIC Cubic — Data Link

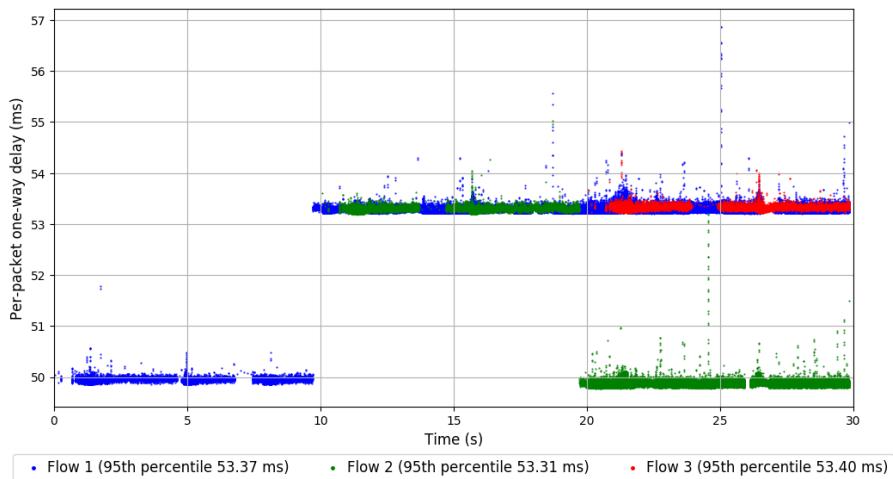
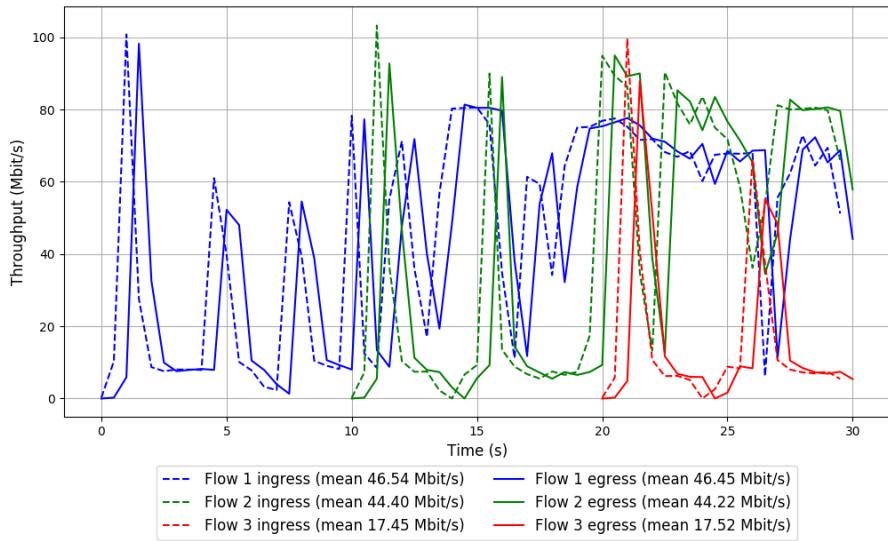


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-07-12 17:17:00
End at: 2018-07-12 17:17:30
Local clock offset: -0.104 ms
Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.57 Mbit/s
95th percentile per-packet one-way delay: 53.358 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 46.45 Mbit/s
95th percentile per-packet one-way delay: 53.365 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 44.22 Mbit/s
95th percentile per-packet one-way delay: 53.310 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 17.52 Mbit/s
95th percentile per-packet one-way delay: 53.398 ms
Loss rate: 0.26%
```

Run 2: Report of QUIC Cubic — Data Link

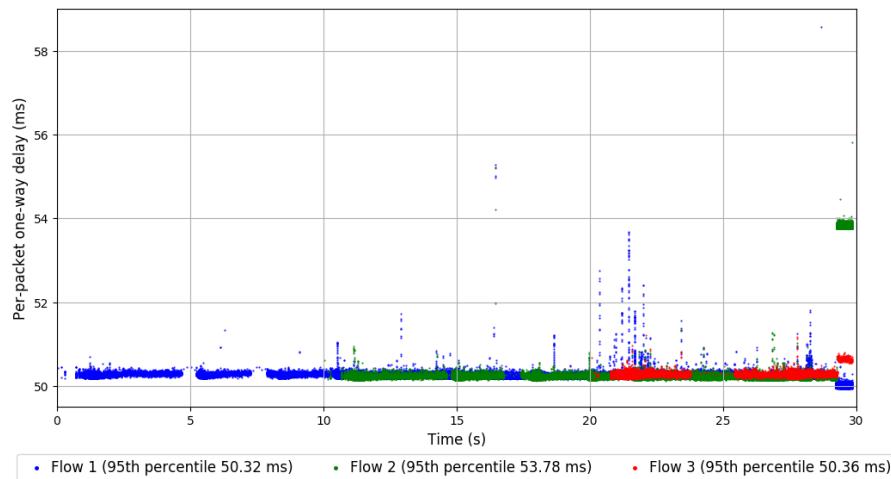
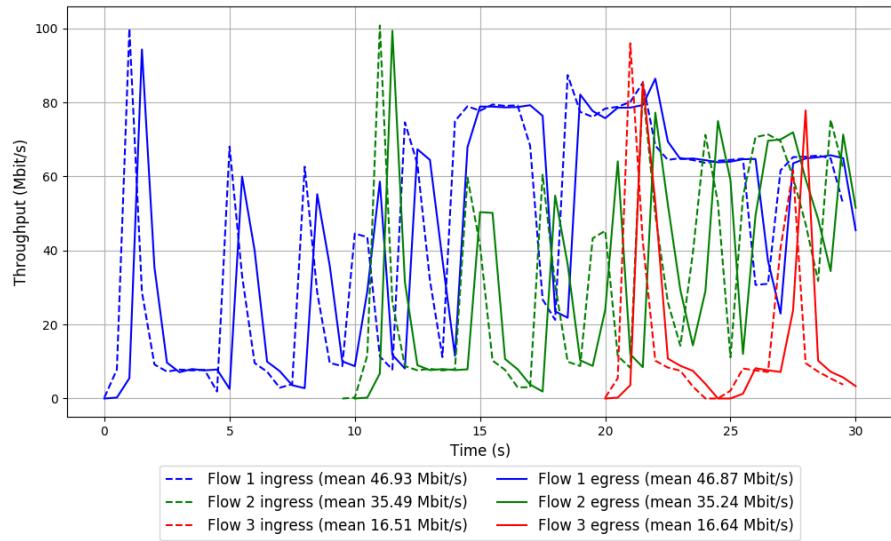


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-07-12 17:44:50
End at: 2018-07-12 17:45:20
Local clock offset: 0.059 ms
Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.75 Mbit/s
95th percentile per-packet one-way delay: 50.334 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 50.319 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 35.24 Mbit/s
95th percentile per-packet one-way delay: 53.785 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 16.64 Mbit/s
95th percentile per-packet one-way delay: 50.361 ms
Loss rate: 0.28%
```

Run 3: Report of QUIC Cubic — Data Link

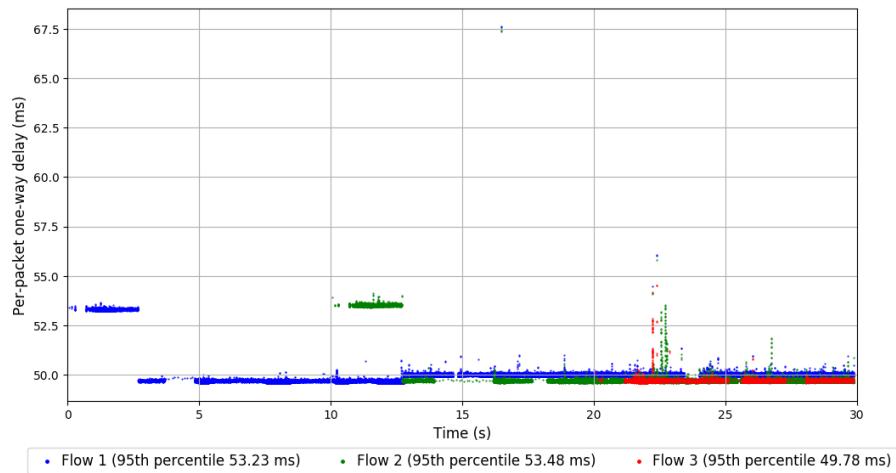
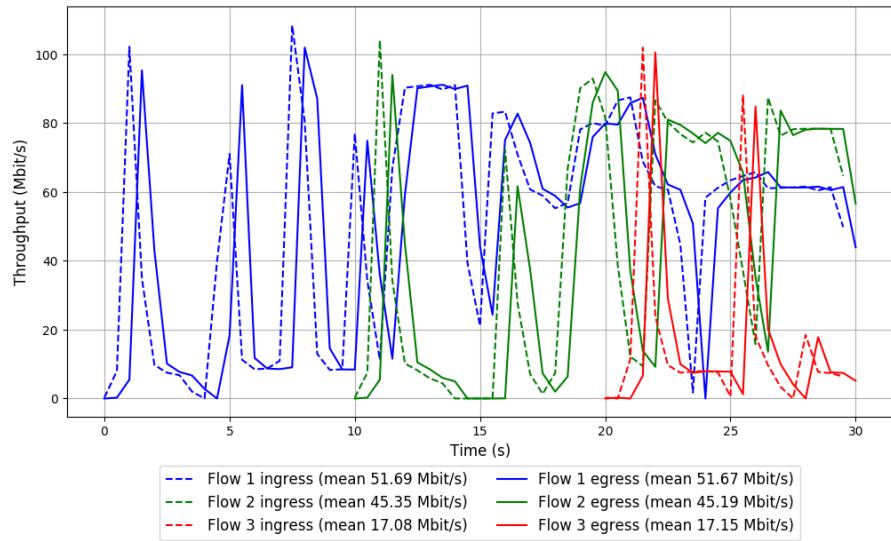


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-07-12 18:09:57
End at: 2018-07-12 18:10:27
Local clock offset: -0.219 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 53.269 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 51.67 Mbit/s
95th percentile per-packet one-way delay: 53.227 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 45.19 Mbit/s
95th percentile per-packet one-way delay: 53.479 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 17.15 Mbit/s
95th percentile per-packet one-way delay: 49.779 ms
Loss rate: 0.59%
```

Run 4: Report of QUIC Cubic — Data Link

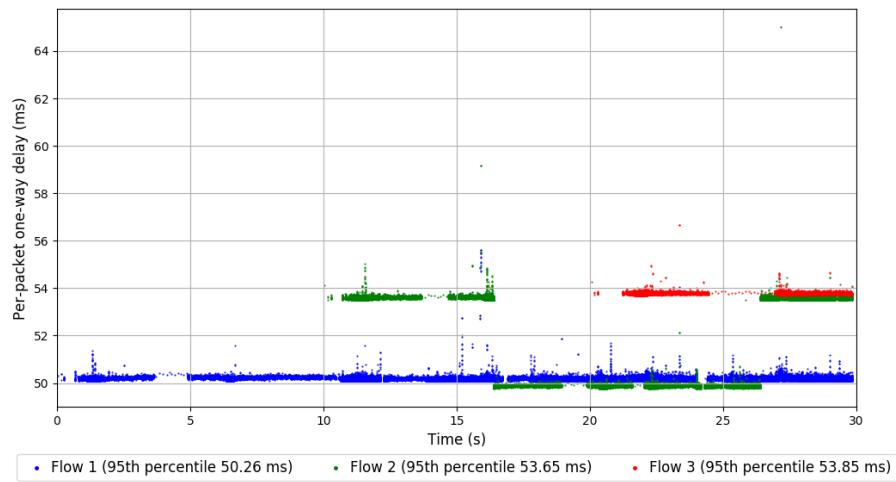
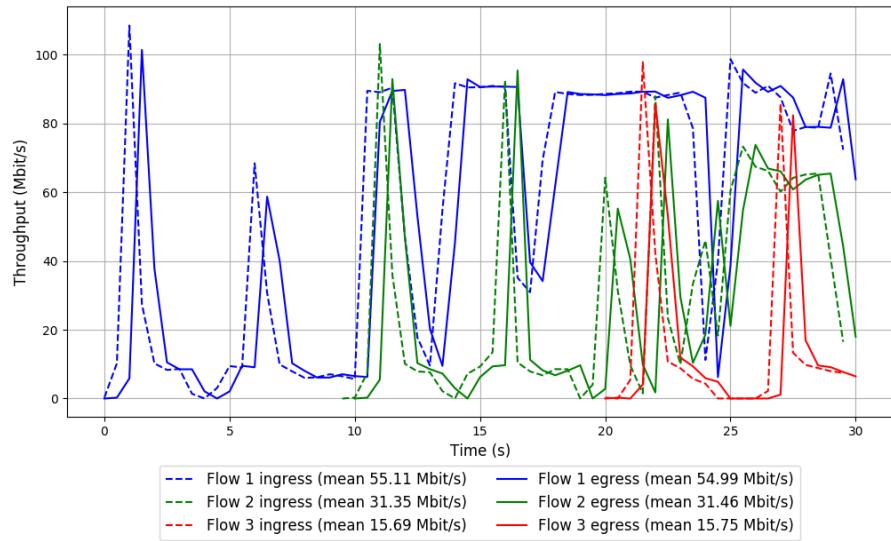


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-07-12 18:35:03
End at: 2018-07-12 18:35:33
Local clock offset: -0.135 ms
Remote clock offset: -0.177 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.07 Mbit/s
95th percentile per-packet one-way delay: 53.744 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 54.99 Mbit/s
95th percentile per-packet one-way delay: 50.260 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 53.646 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 15.75 Mbit/s
95th percentile per-packet one-way delay: 53.850 ms
Loss rate: 0.65%
```

Run 5: Report of QUIC Cubic — Data Link

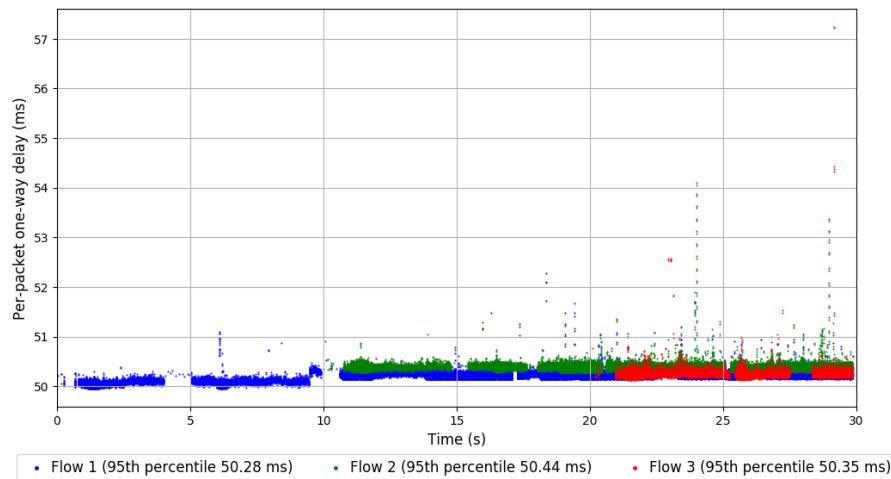
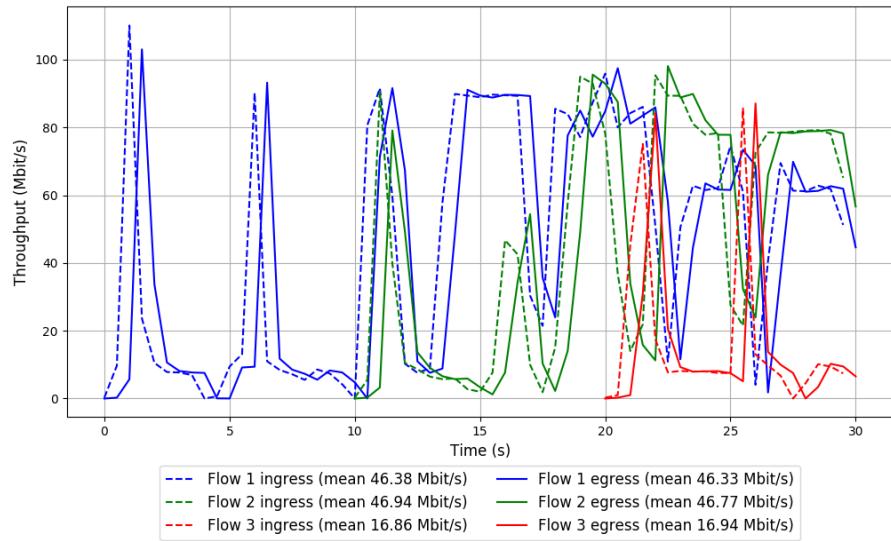


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-07-12 19:00:10
End at: 2018-07-12 19:00:40
Local clock offset: 0.19 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.95 Mbit/s
95th percentile per-packet one-way delay: 50.410 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 46.33 Mbit/s
95th percentile per-packet one-way delay: 50.280 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 50.443 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 50.353 ms
Loss rate: 0.54%
```

Run 6: Report of QUIC Cubic — Data Link

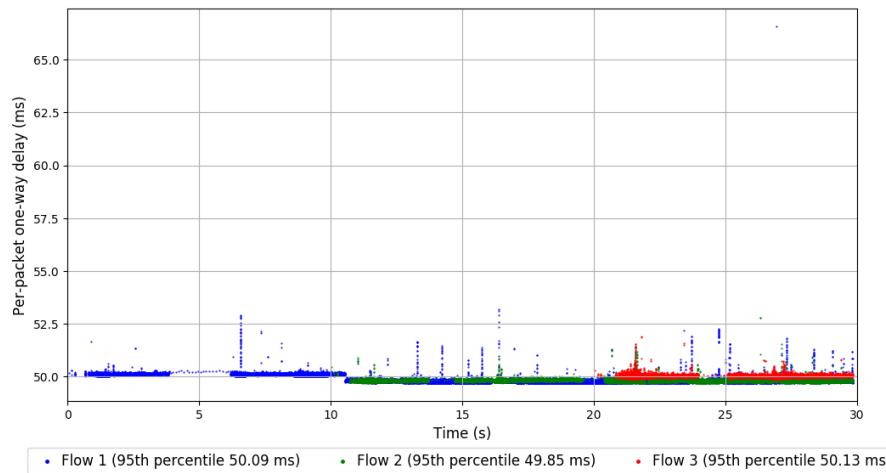
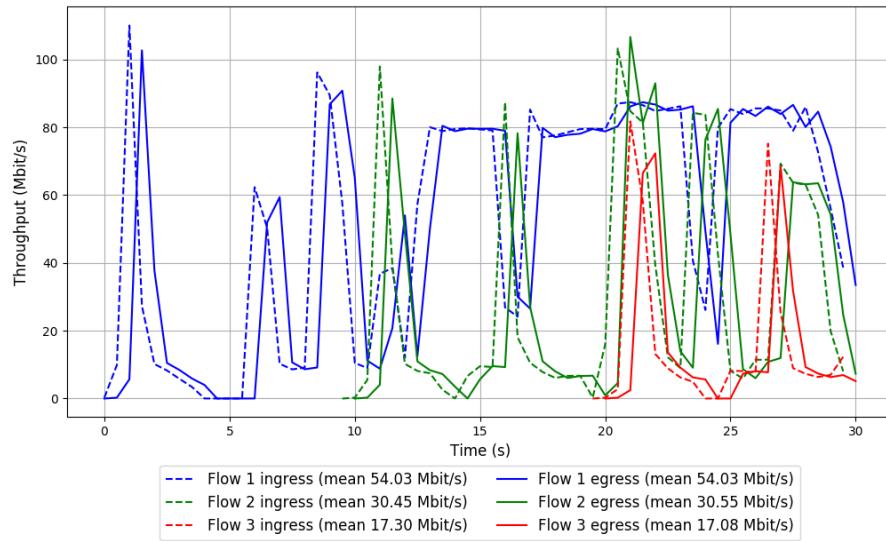


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-07-12 19:25:29
End at: 2018-07-12 19:25:59
Local clock offset: -0.027 ms
Remote clock offset: 0.093 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.96 Mbit/s
95th percentile per-packet one-way delay: 50.087 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 54.03 Mbit/s
95th percentile per-packet one-way delay: 50.094 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 49.852 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 17.08 Mbit/s
95th percentile per-packet one-way delay: 50.132 ms
Loss rate: 2.30%
```

Run 7: Report of QUIC Cubic — Data Link

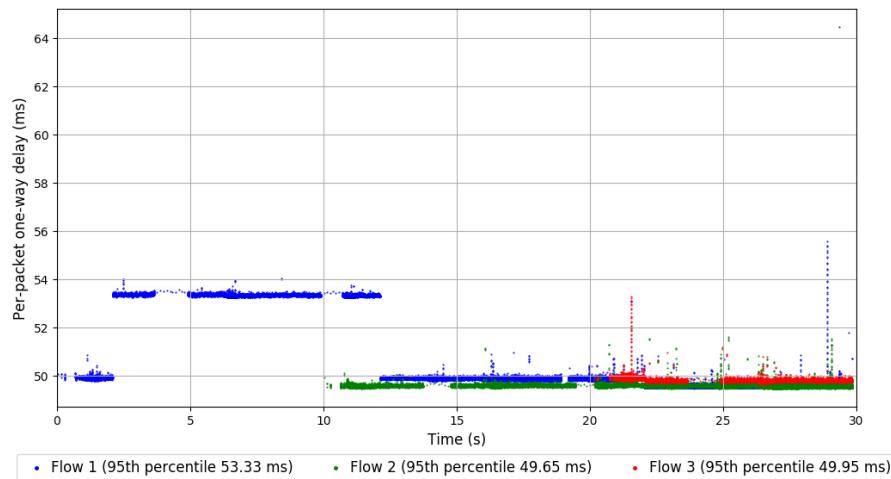
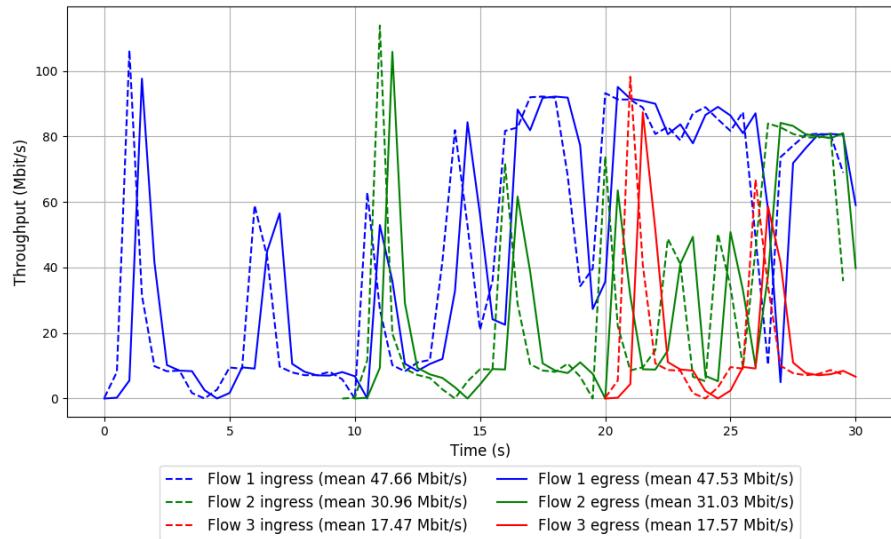


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-07-12 19:51:08
End at: 2018-07-12 19:51:38
Local clock offset: -0.197 ms
Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.92 Mbit/s
95th percentile per-packet one-way delay: 53.294 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 47.53 Mbit/s
95th percentile per-packet one-way delay: 53.326 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 31.03 Mbit/s
95th percentile per-packet one-way delay: 49.654 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 17.57 Mbit/s
95th percentile per-packet one-way delay: 49.954 ms
Loss rate: 0.48%
```

Run 8: Report of QUIC Cubic — Data Link

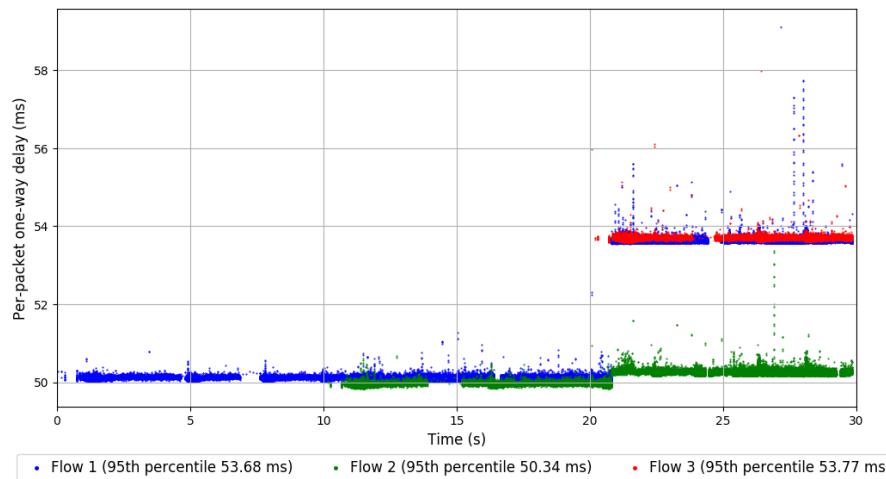
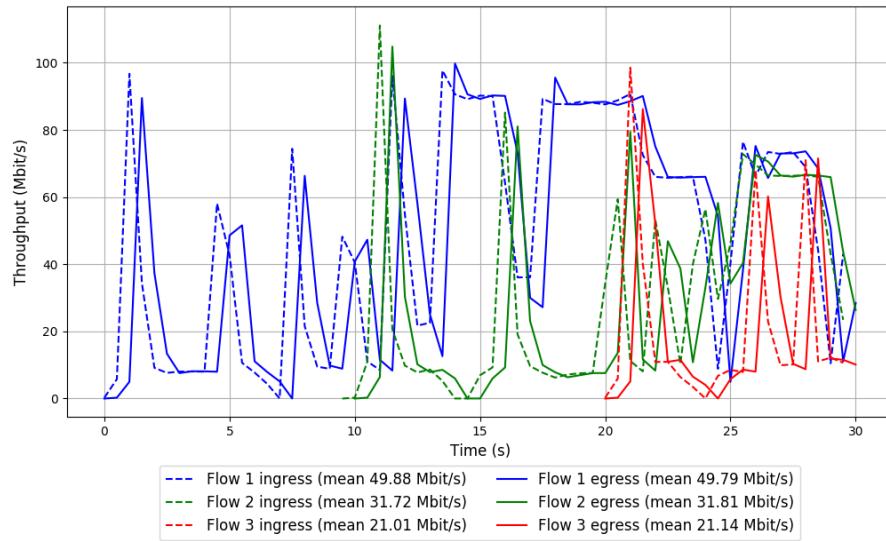


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-07-12 20:16:19
End at: 2018-07-12 20:16:49
Local clock offset: 0.101 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.88 Mbit/s
95th percentile per-packet one-way delay: 53.705 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 53.683 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 50.337 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 21.14 Mbit/s
95th percentile per-packet one-way delay: 53.774 ms
Loss rate: 0.51%
```

Run 9: Report of QUIC Cubic — Data Link

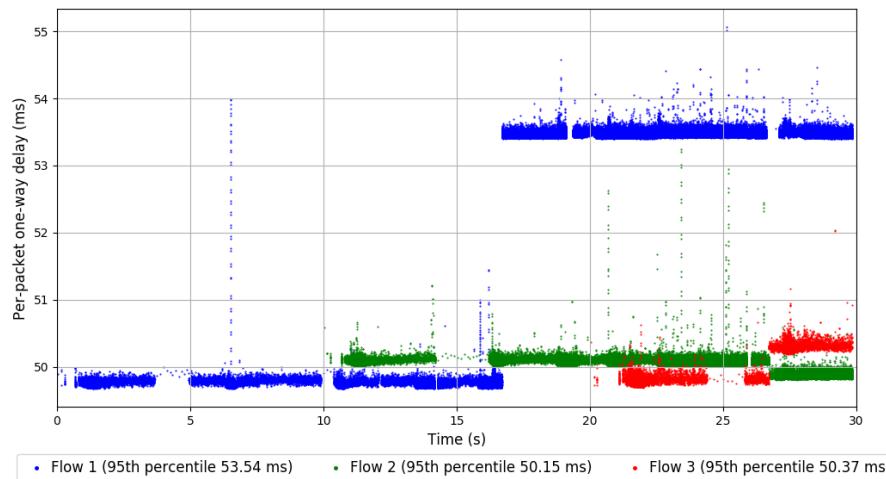
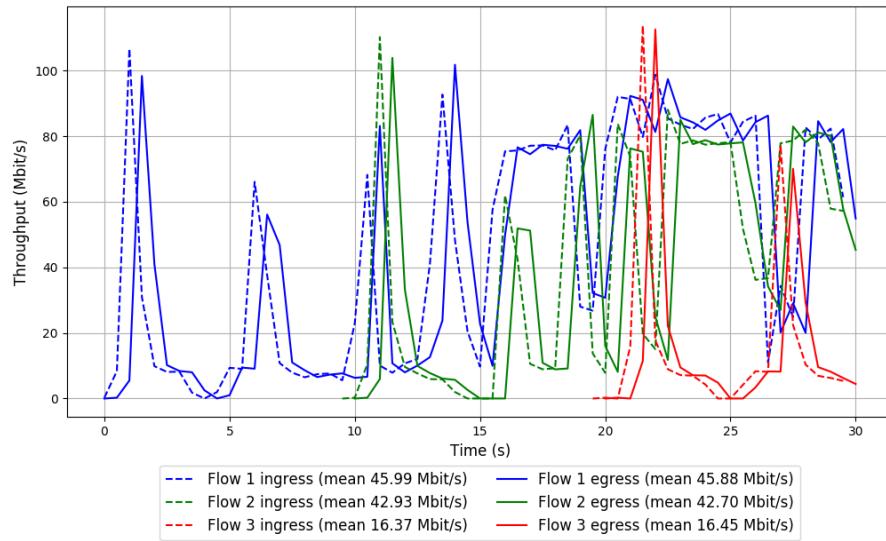


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-07-12 20:41:33
End at: 2018-07-12 20:42:03
Local clock offset: 0.029 ms
Remote clock offset: 0.032 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.67 Mbit/s
95th percentile per-packet one-way delay: 53.524 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 45.88 Mbit/s
95th percentile per-packet one-way delay: 53.543 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 42.70 Mbit/s
95th percentile per-packet one-way delay: 50.153 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 16.45 Mbit/s
95th percentile per-packet one-way delay: 50.374 ms
Loss rate: 0.47%
```

Run 10: Report of QUIC Cubic — Data Link

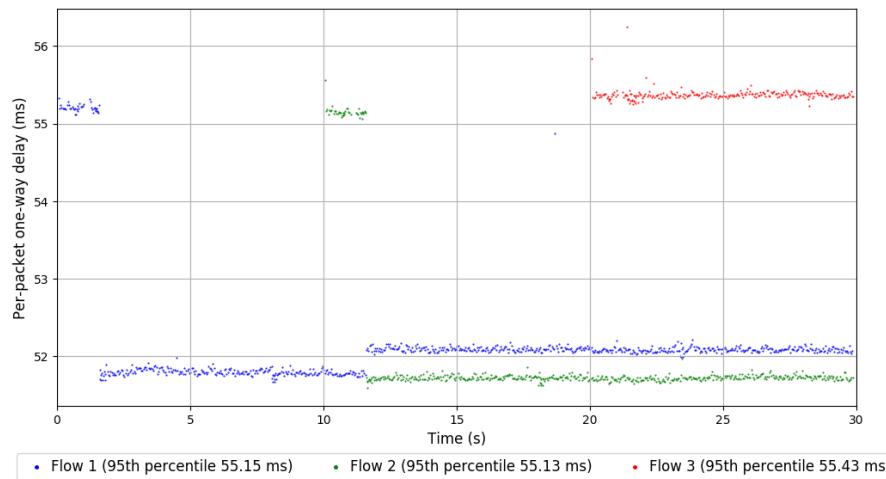
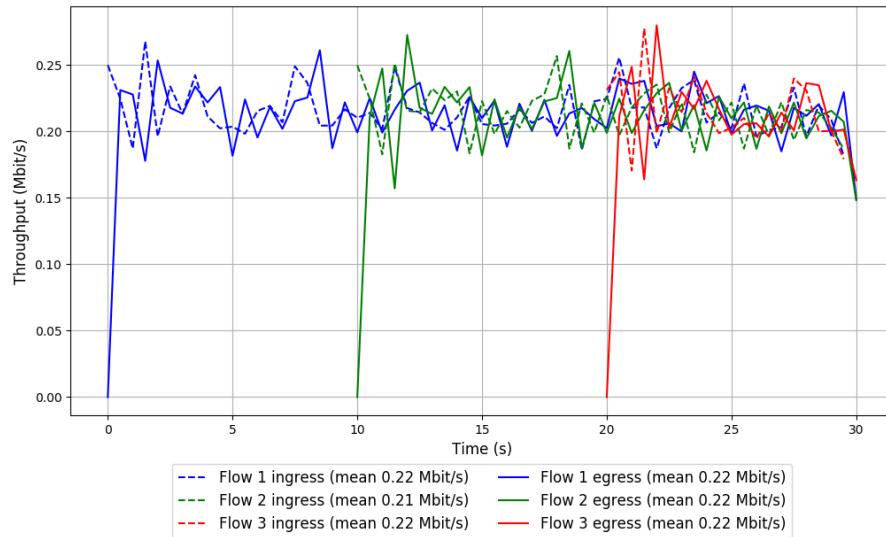


```
Run 1: Statistics of SCReAM

Start at: 2018-07-12 16:34:58
End at: 2018-07-12 16:35:28
Local clock offset: -0.028 ms
Remote clock offset: -1.61 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 55.384 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 55.150 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 55.134 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 55.427 ms
Loss rate: 0.73%
```

Run 1: Report of SCReAM — Data Link

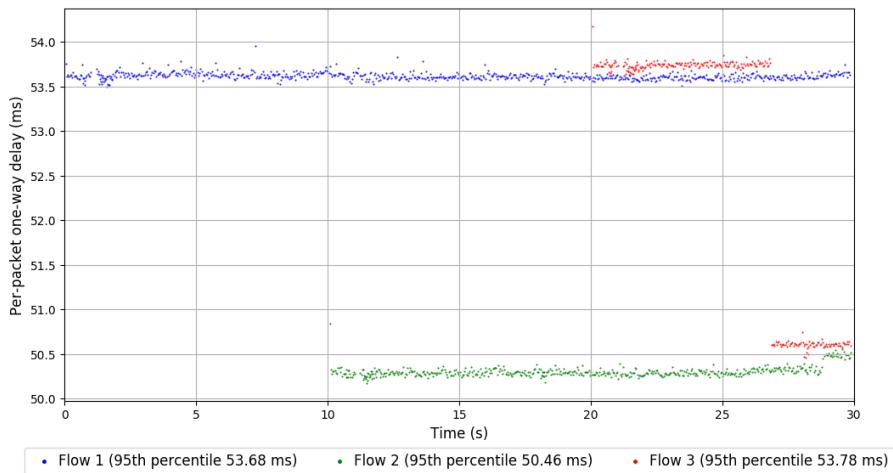
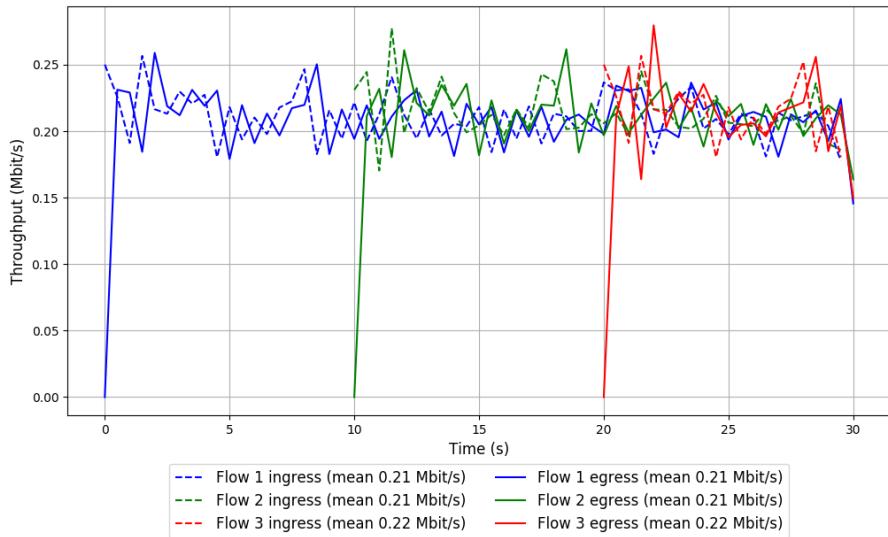


Run 2: Statistics of SCReAM

```
Start at: 2018-07-12 16:59:51
End at: 2018-07-12 17:00:21
Local clock offset: -0.059 ms
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.751 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.677 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.456 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.785 ms
Loss rate: 1.09%
```

Run 2: Report of SCReAM — Data Link

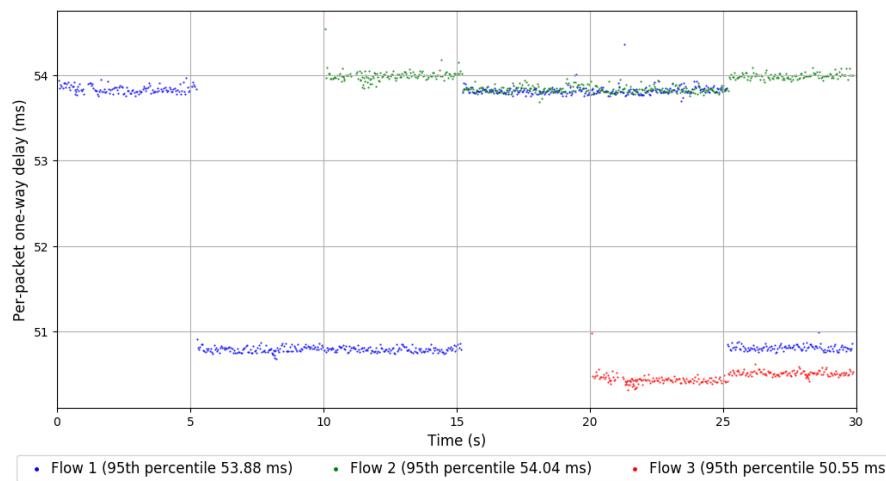
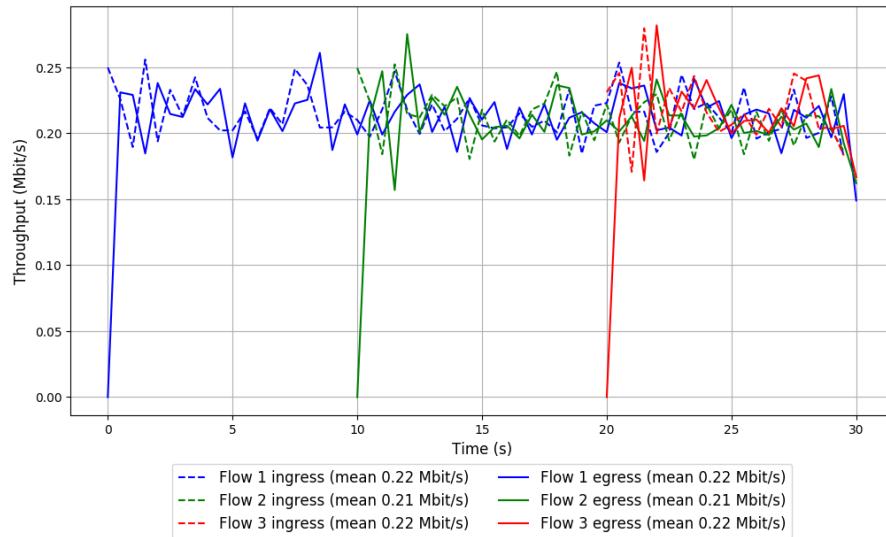


Run 3: Statistics of SCReAM

```
Start at: 2018-07-12 17:27:04
End at: 2018-07-12 17:27:34
Local clock offset: 0.044 ms
Remote clock offset: -0.218 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.010 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.881 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.038 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.553 ms
Loss rate: 0.74%
```

Run 3: Report of SCReAM — Data Link

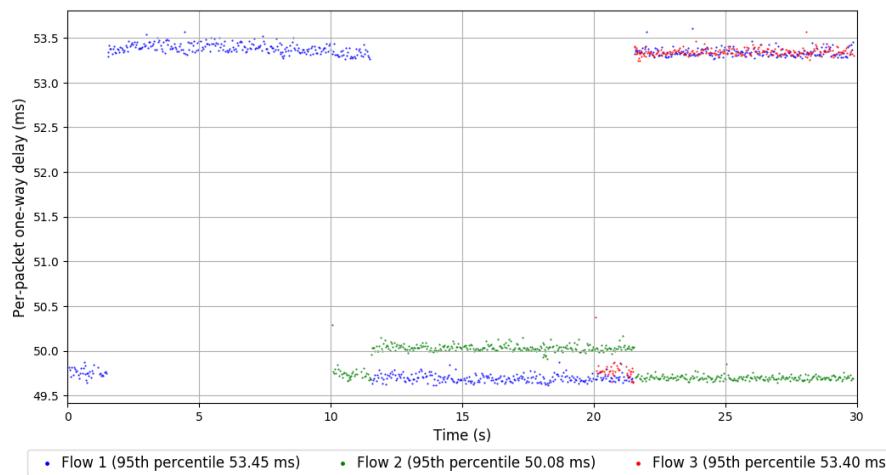
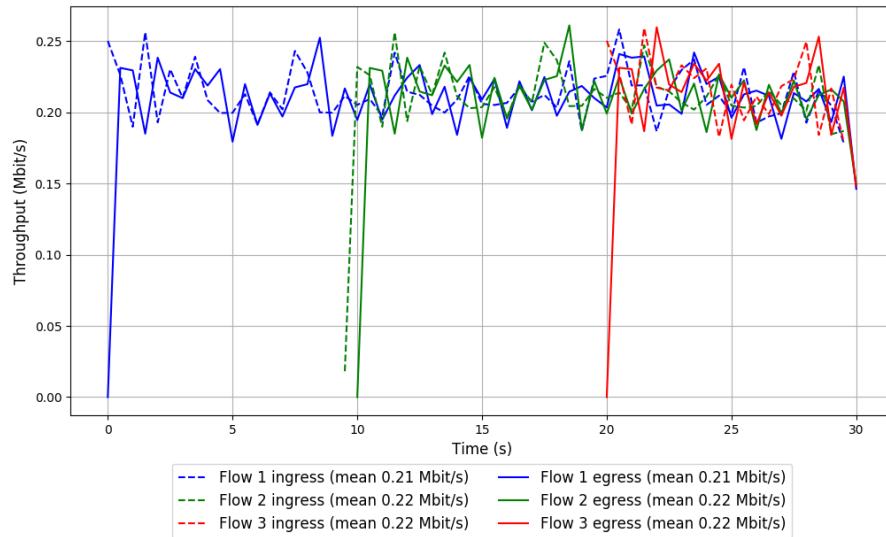


Run 4: Statistics of SCReAM

```
Start at: 2018-07-12 17:54:08
End at: 2018-07-12 17:54:38
Local clock offset: -0.415 ms
Remote clock offset: -0.142 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.424 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.449 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.078 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.403 ms
Loss rate: 1.08%
```

Run 4: Report of SCReAM — Data Link

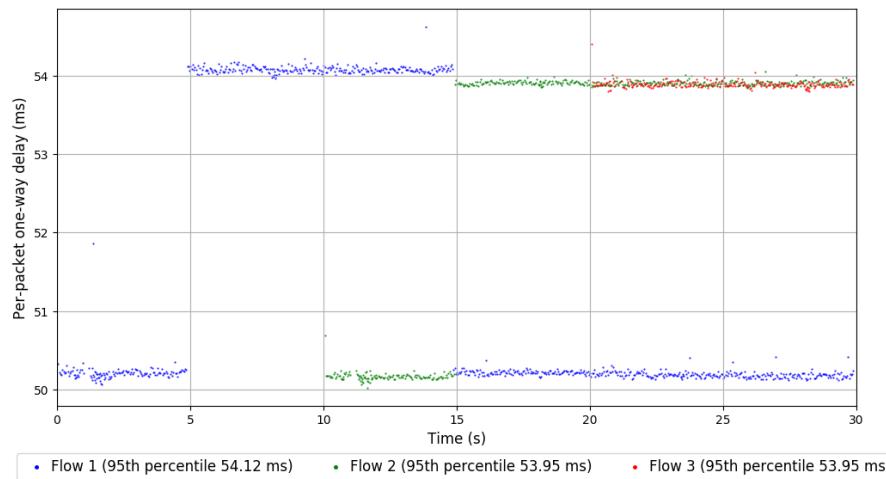
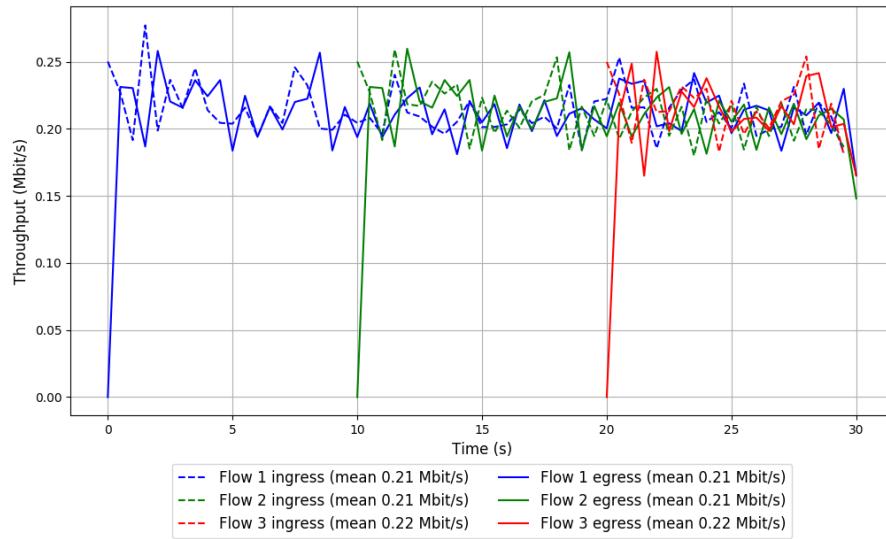


Run 5: Statistics of SCReAM

```
Start at: 2018-07-12 18:18:55
End at: 2018-07-12 18:19:25
Local clock offset: 0.125 ms
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.091 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.116 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.946 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.953 ms
Loss rate: 1.09%
```

Run 5: Report of SCReAM — Data Link

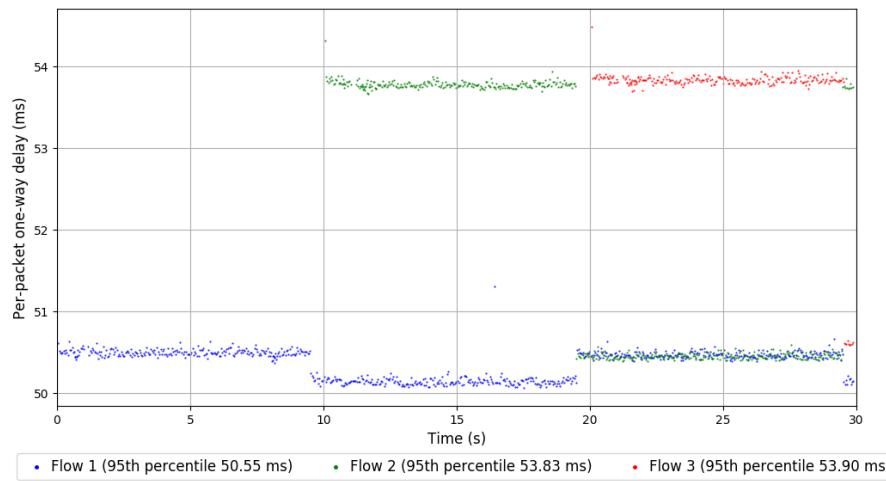
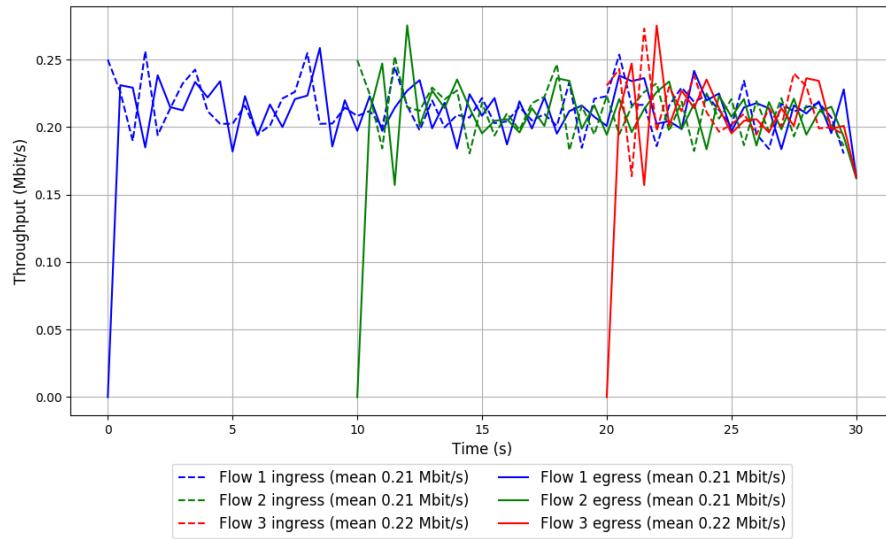


Run 6: Statistics of SCReAM

```
Start at: 2018-07-12 18:44:00
End at: 2018-07-12 18:44:30
Local clock offset: -0.011 ms
Remote clock offset: -0.213 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.855 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.547 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.825 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.901 ms
Loss rate: 1.09%
```

Run 6: Report of SCReAM — Data Link

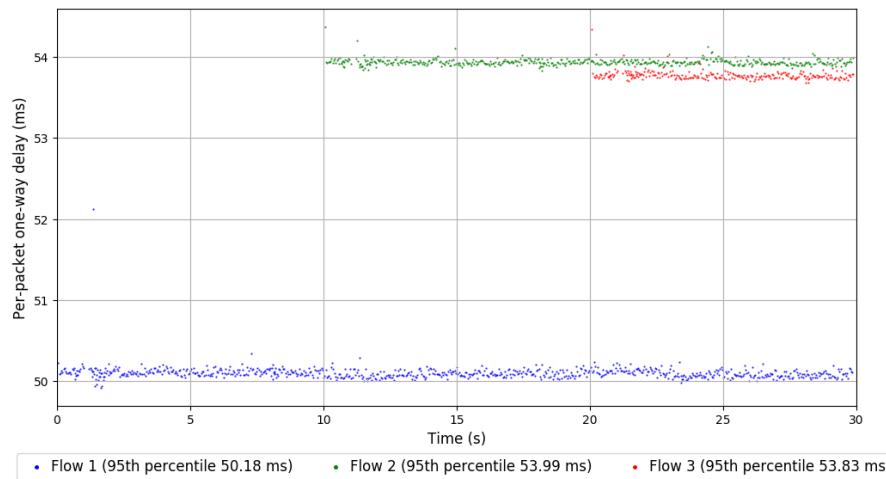
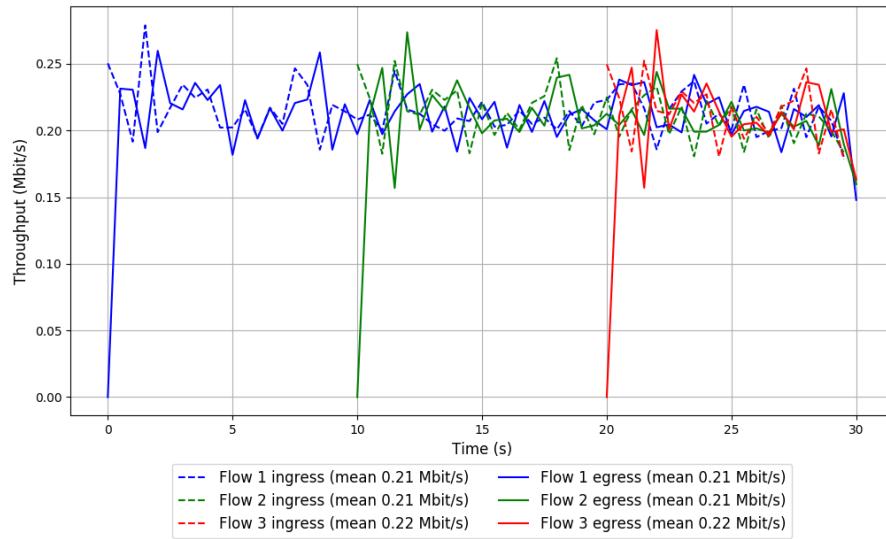


Run 7: Statistics of SCReAM

```
Start at: 2018-07-12 19:09:30
End at: 2018-07-12 19:10:00
Local clock offset: 0.061 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.973 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.178 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.995 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.833 ms
Loss rate: 1.08%
```

Run 7: Report of SCReAM — Data Link

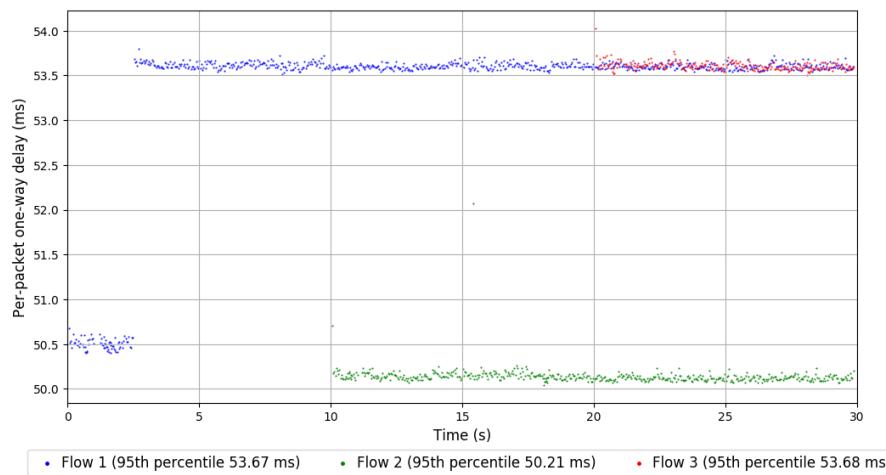
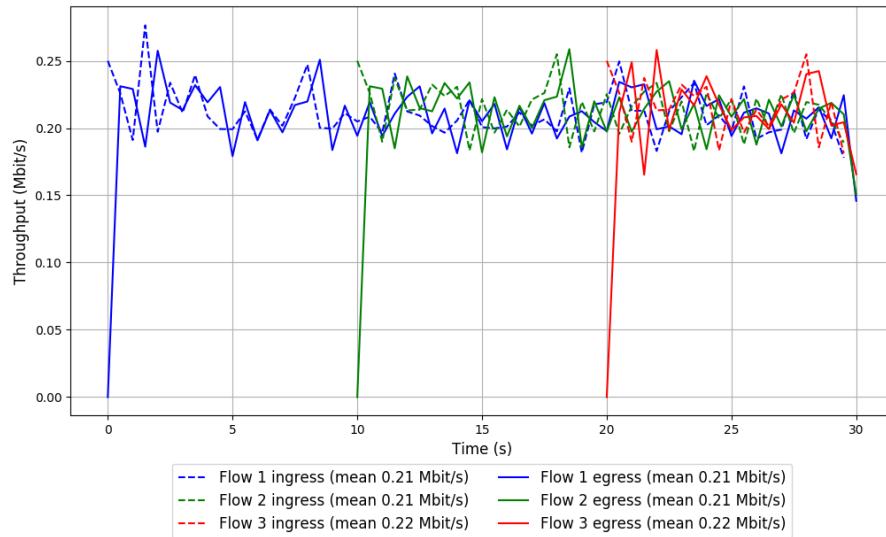


Run 8: Statistics of SCReAM

```
Start at: 2018-07-12 19:34:47
End at: 2018-07-12 19:35:17
Local clock offset: -0.071 ms
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.663 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.668 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.207 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.684 ms
Loss rate: 1.09%
```

Run 8: Report of SCReAM — Data Link

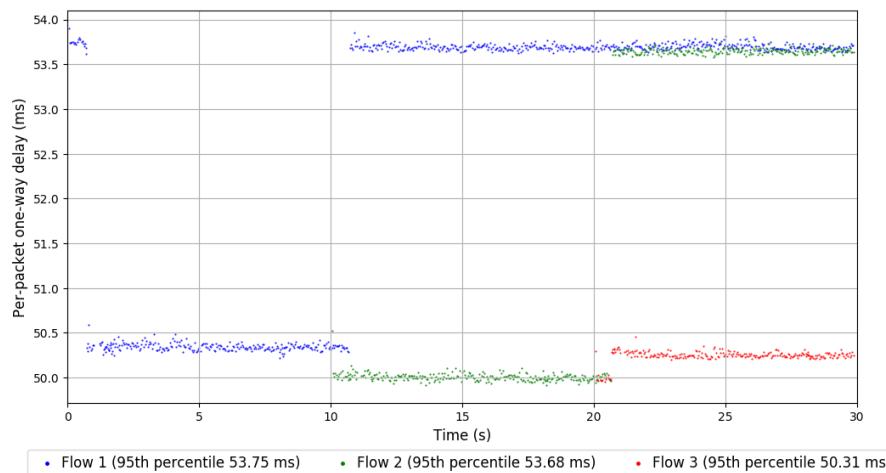
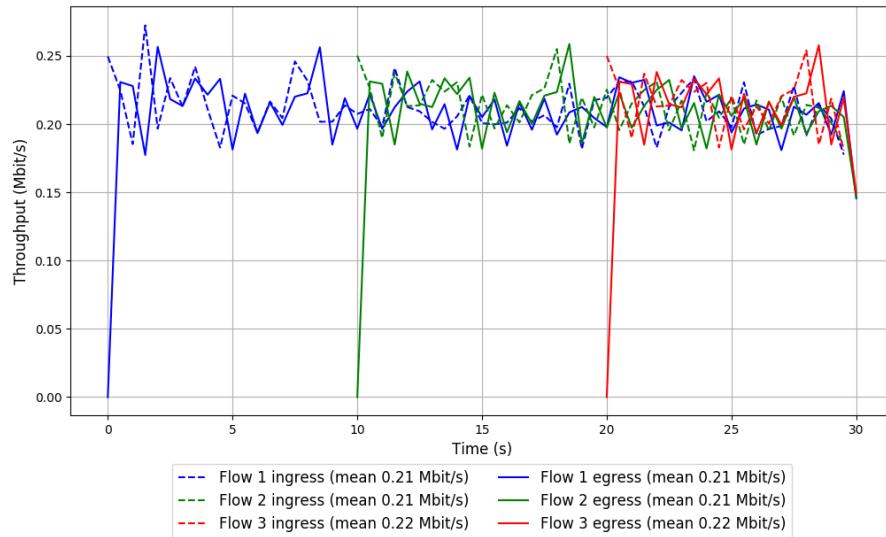


Run 9: Statistics of SCReAM

```
Start at: 2018-07-12 20:00:19
End at: 2018-07-12 20:00:49
Local clock offset: -0.048 ms
Remote clock offset: -0.145 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.734 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.752 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.683 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.313 ms
Loss rate: 1.09%
```

Run 9: Report of SCReAM — Data Link

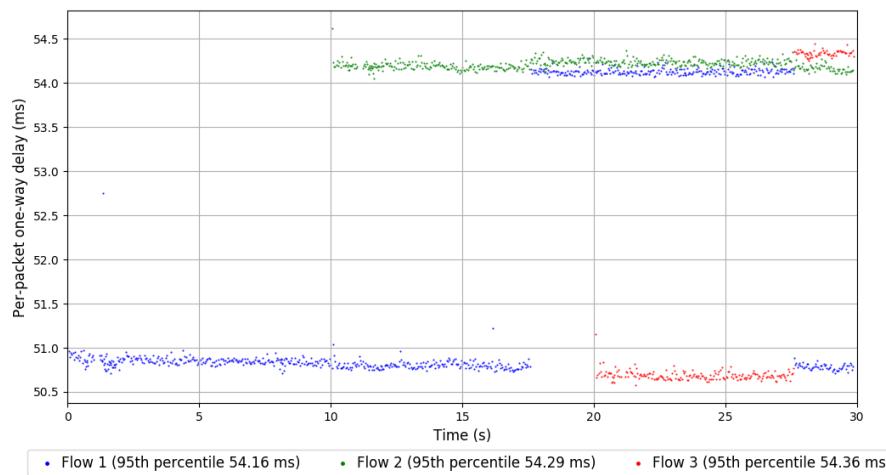
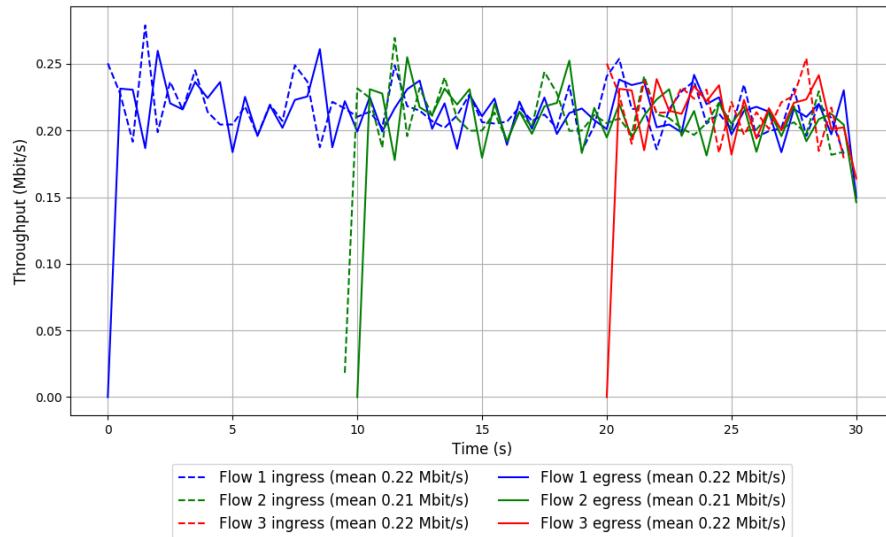


Run 10: Statistics of SCReAM

```
Start at: 2018-07-12 20:25:22
End at: 2018-07-12 20:25:52
Local clock offset: 0.138 ms
Remote clock offset: -0.453 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.296 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.158 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.292 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.360 ms
Loss rate: 1.08%
```

Run 10: Report of SCReAM — Data Link

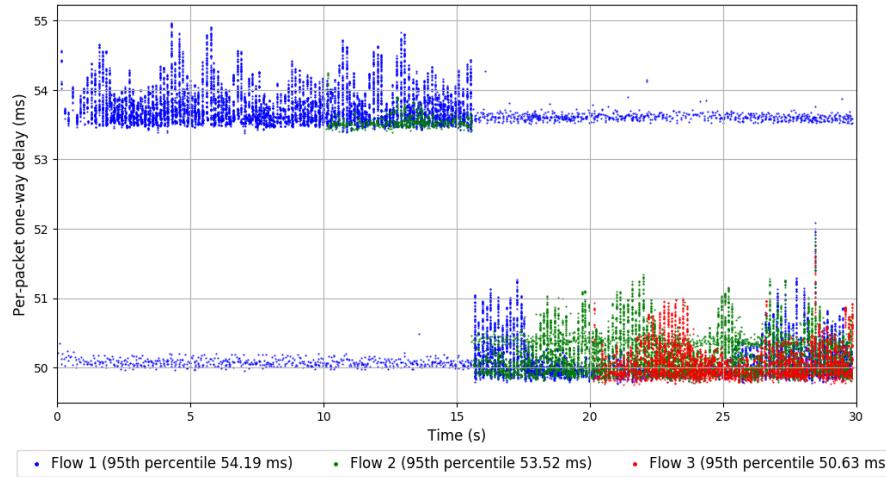
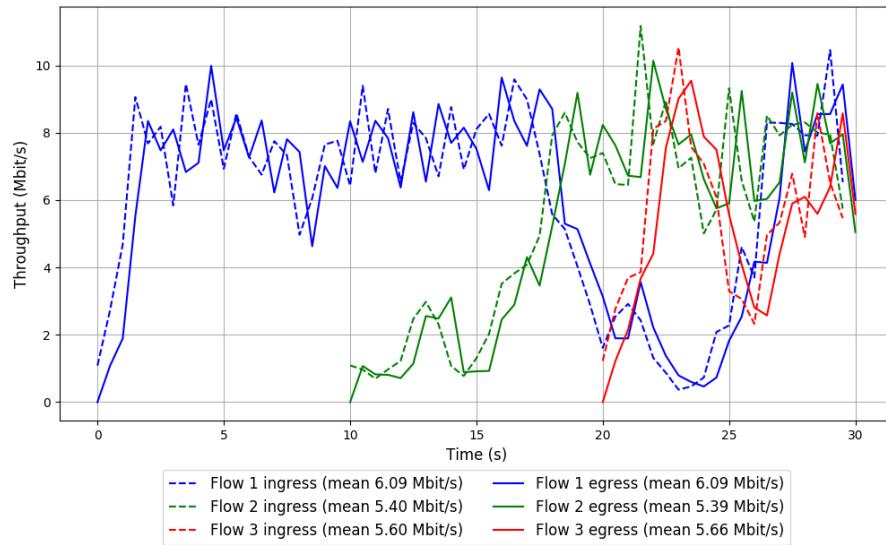


Run 1: Statistics of Sprout

```
Start at: 2018-07-12 16:37:54
End at: 2018-07-12 16:38:24
Local clock offset: -0.182 ms
Remote clock offset: -0.144 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 54.023 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 6.09 Mbit/s
95th percentile per-packet one-way delay: 54.190 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 5.39 Mbit/s
95th percentile per-packet one-way delay: 53.518 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 5.66 Mbit/s
95th percentile per-packet one-way delay: 50.626 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

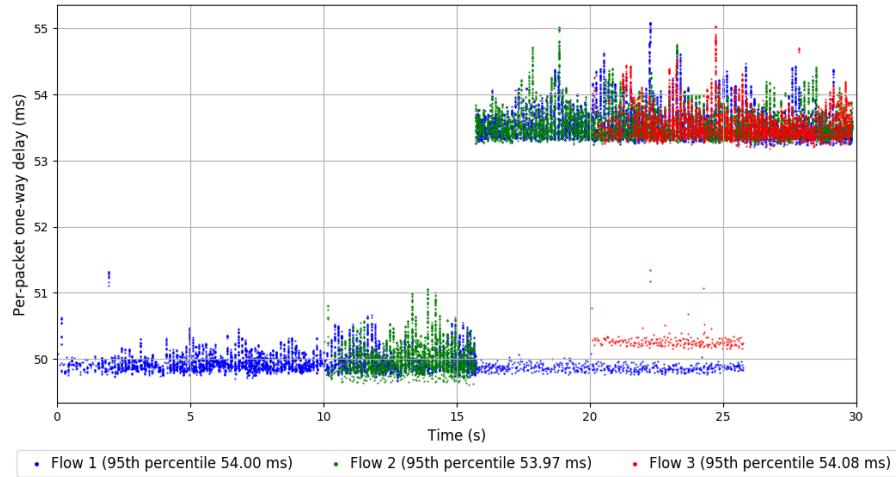
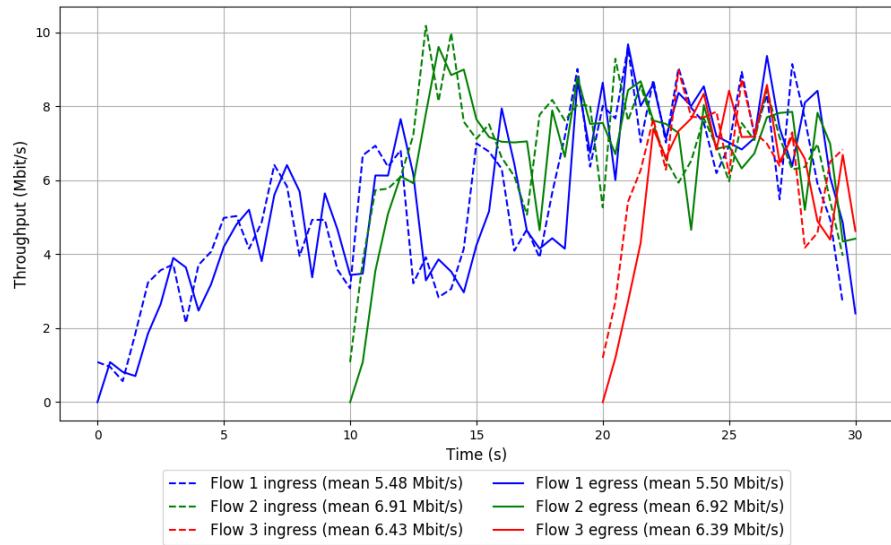


Run 2: Statistics of Sprout

```
Start at: 2018-07-12 17:02:44
End at: 2018-07-12 17:03:14
Local clock offset: -0.21 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.18 Mbit/s
95th percentile per-packet one-way delay: 54.005 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 5.50 Mbit/s
95th percentile per-packet one-way delay: 54.004 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 53.973 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 54.078 ms
Loss rate: 1.74%
```

Run 2: Report of Sprout — Data Link

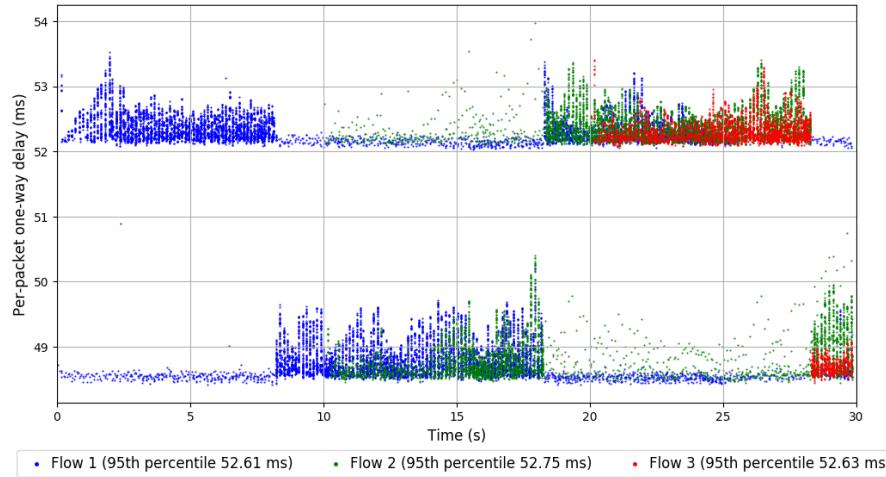
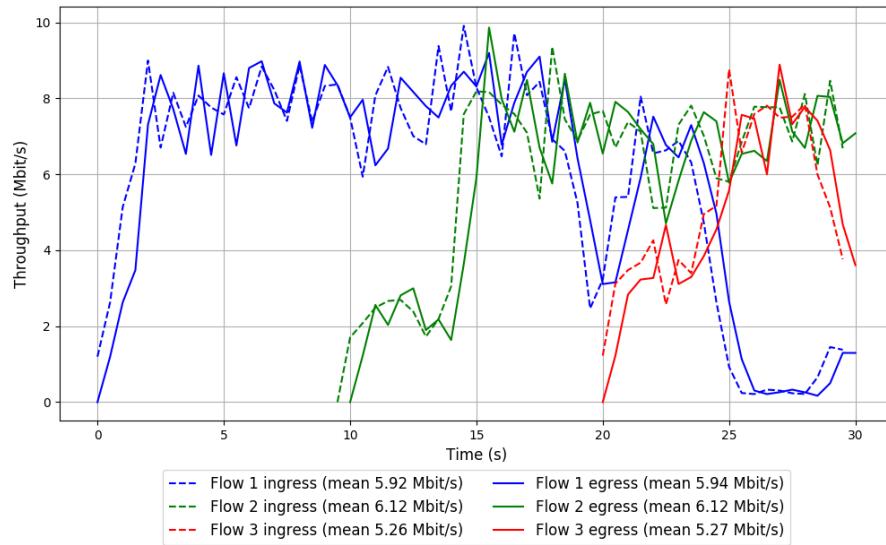


Run 3: Statistics of Sprout

```
Start at: 2018-07-12 17:30:21
End at: 2018-07-12 17:30:51
Local clock offset: -0.192 ms
Remote clock offset: 1.186 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.72 Mbit/s
95th percentile per-packet one-way delay: 52.663 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 52.609 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 52.748 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 52.633 ms
Loss rate: 1.08%
```

Run 3: Report of Sprout — Data Link

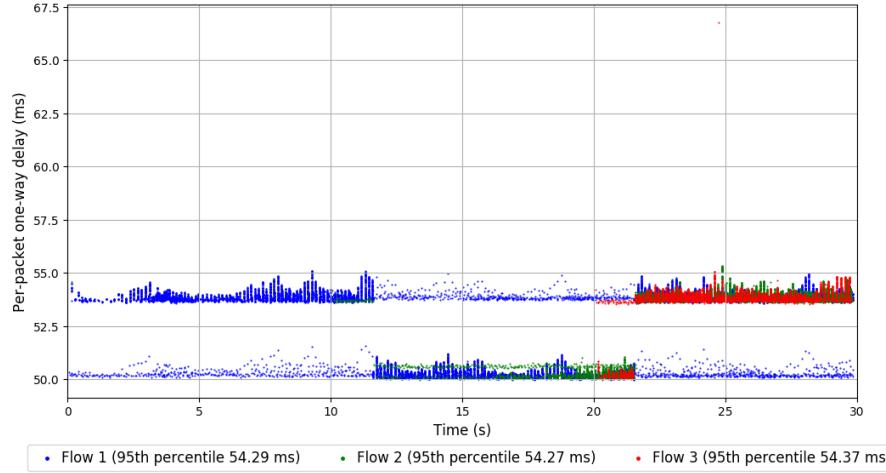
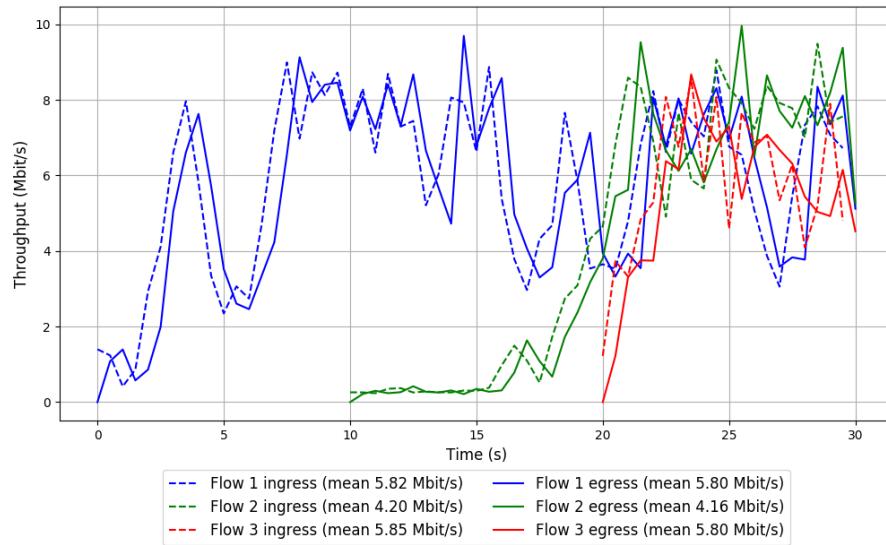


Run 4: Statistics of Sprout

```
Start at: 2018-07-12 17:57:08
End at: 2018-07-12 17:57:38
Local clock offset: -0.053 ms
Remote clock offset: -0.171 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.47 Mbit/s
95th percentile per-packet one-way delay: 54.300 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 5.80 Mbit/s
95th percentile per-packet one-way delay: 54.291 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 54.271 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 5.80 Mbit/s
95th percentile per-packet one-way delay: 54.366 ms
Loss rate: 1.98%
```

Run 4: Report of Sprout — Data Link

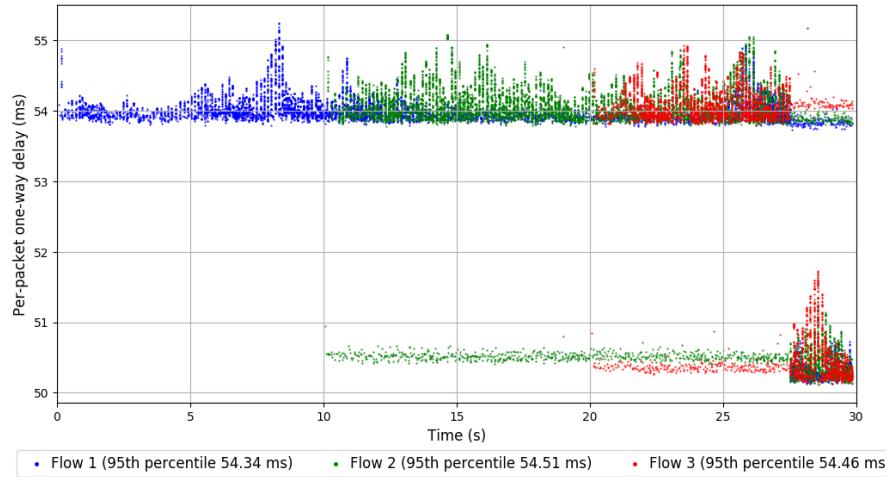
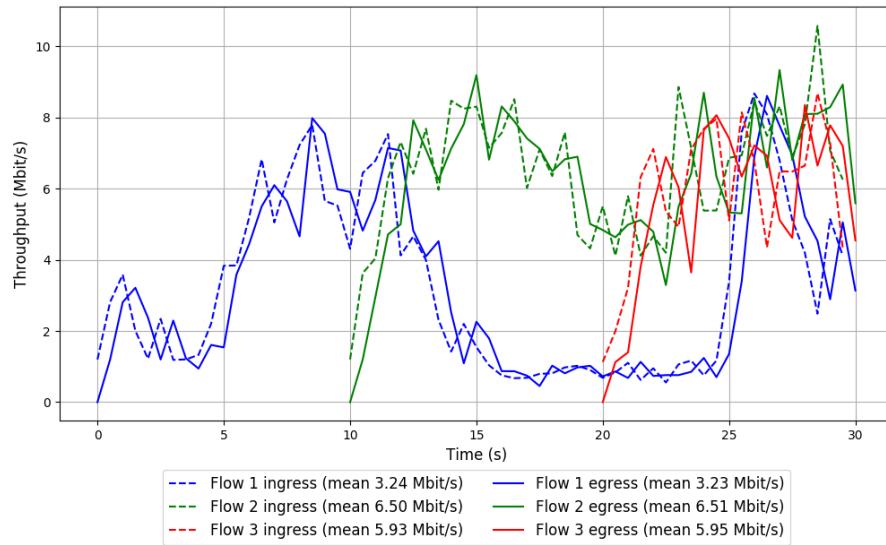


Run 5: Statistics of Sprout

```
Start at: 2018-07-12 18:21:52
End at: 2018-07-12 18:22:22
Local clock offset: 0.259 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 54.457 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 54.340 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 54.506 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 5.95 Mbit/s
95th percentile per-packet one-way delay: 54.457 ms
Loss rate: 0.66%
```

Run 5: Report of Sprout — Data Link

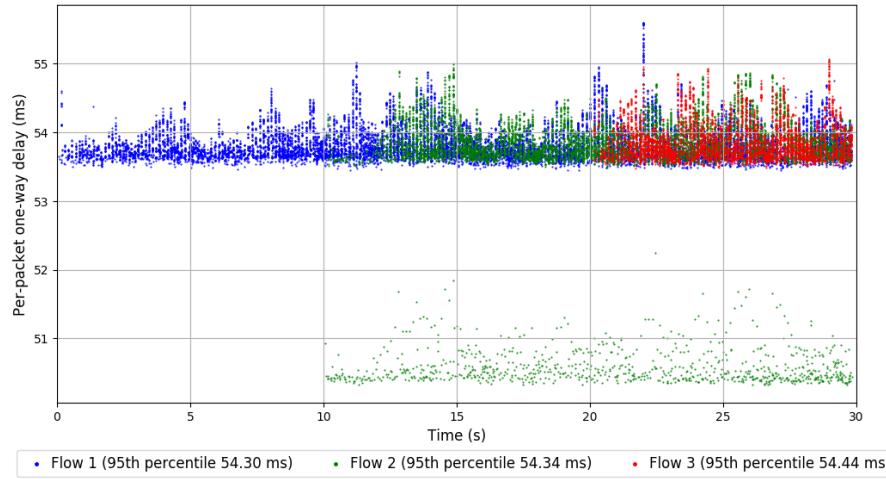
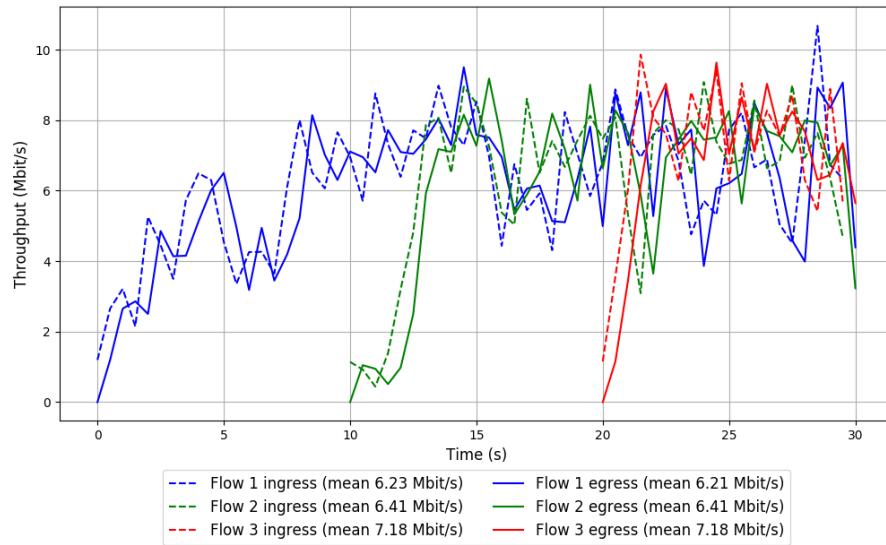


Run 6: Statistics of Sprout

```
Start at: 2018-07-12 18:46:59
End at: 2018-07-12 18:47:29
Local clock offset: 0.046 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 54.344 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 6.21 Mbit/s
95th percentile per-packet one-way delay: 54.295 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 54.338 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 54.440 ms
Loss rate: 1.12%
```

Run 6: Report of Sprout — Data Link

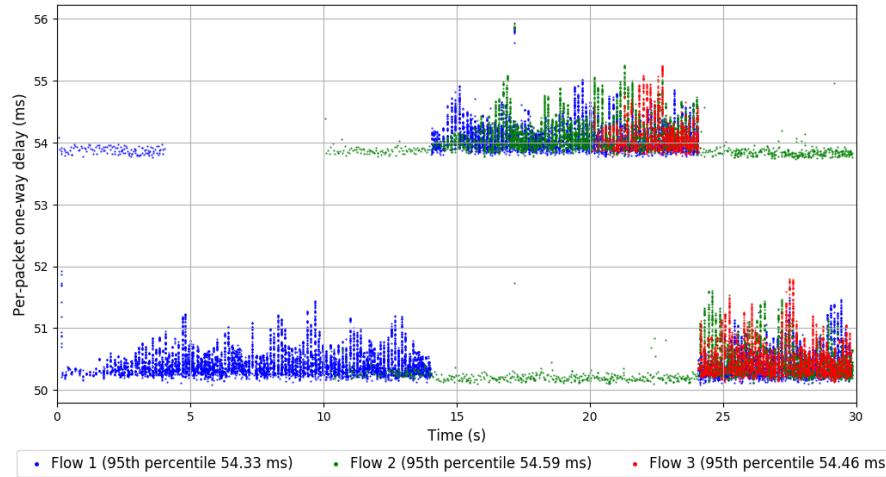
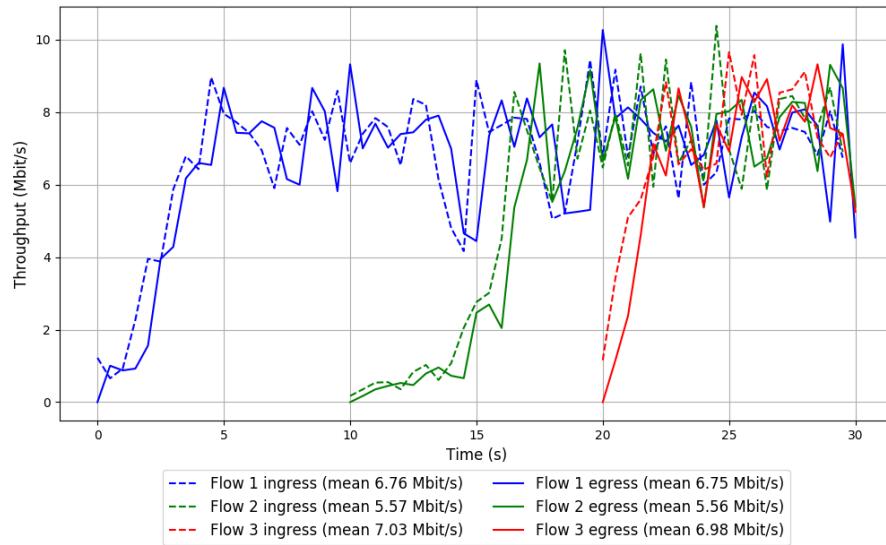


Run 7: Statistics of Sprout

```
Start at: 2018-07-12 19:12:26
End at: 2018-07-12 19:12:56
Local clock offset: 0.296 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 54.430 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 54.328 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 54.588 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 54.461 ms
Loss rate: 1.68%
```

Run 7: Report of Sprout — Data Link

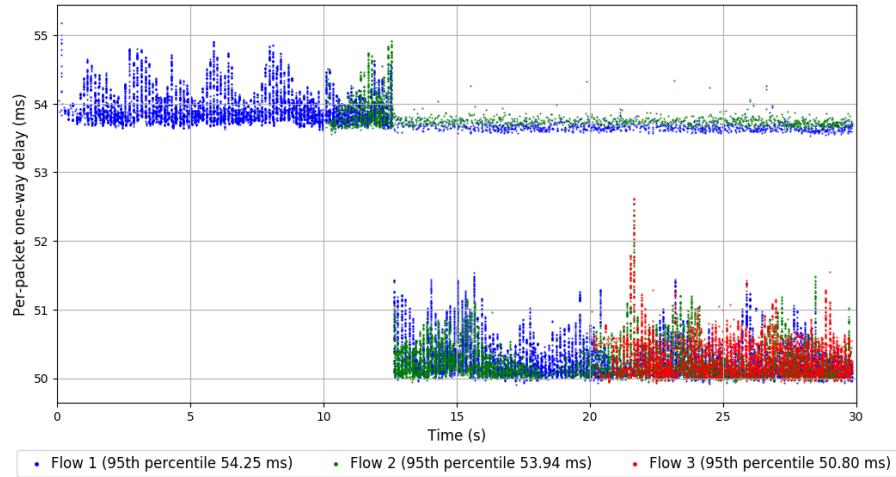
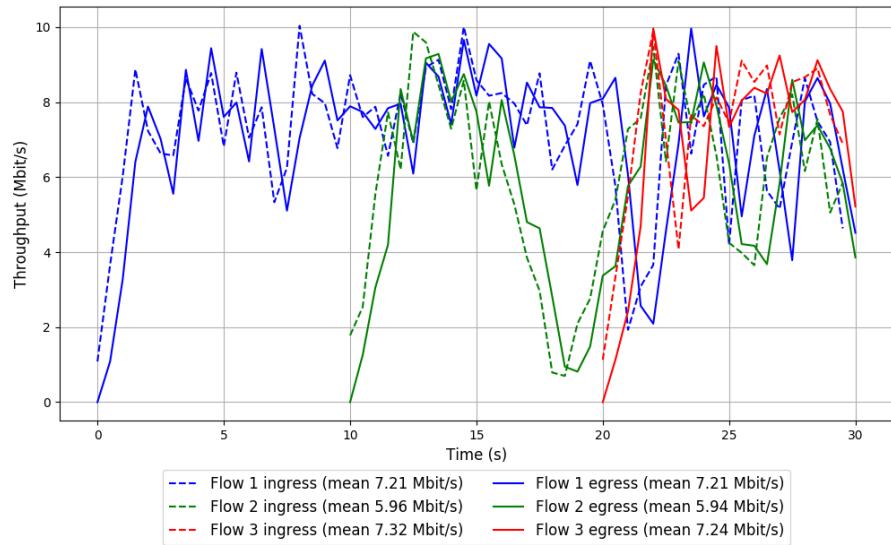


Run 8: Statistics of Sprout

```
Start at: 2018-07-12 19:37:47
End at: 2018-07-12 19:38:17
Local clock offset: 0.031 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.53 Mbit/s
95th percentile per-packet one-way delay: 54.118 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 54.249 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 53.936 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 50.801 ms
Loss rate: 1.81%
```

Run 8: Report of Sprout — Data Link

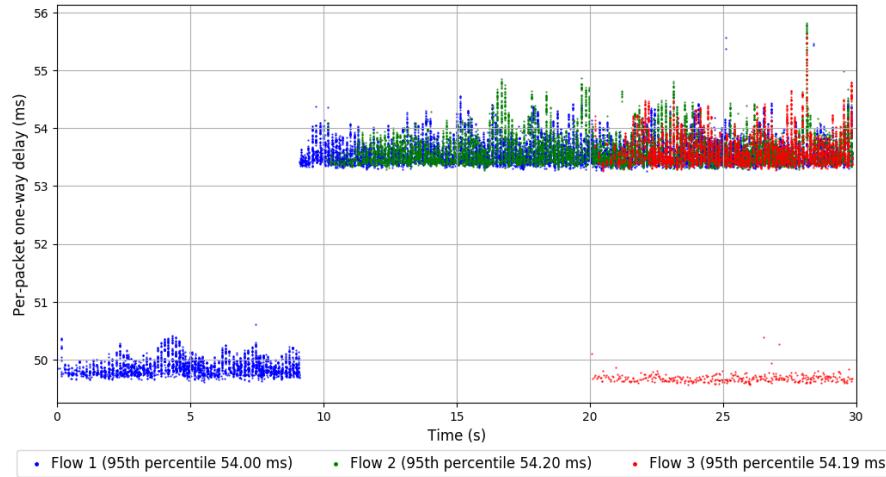
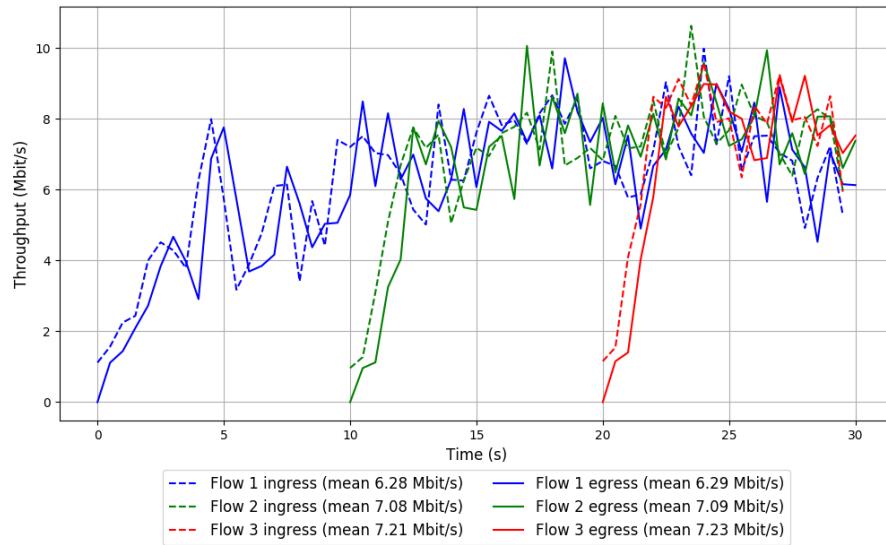


Run 9: Statistics of Sprout

```
Start at: 2018-07-12 20:03:11
End at: 2018-07-12 20:03:41
Local clock offset: -0.156 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-07-12 23:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.36 Mbit/s
95th percentile per-packet one-way delay: 54.097 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 6.29 Mbit/s
95th percentile per-packet one-way delay: 53.997 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 7.09 Mbit/s
95th percentile per-packet one-way delay: 54.199 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 54.191 ms
Loss rate: 0.49%
```

Run 9: Report of Sprout — Data Link

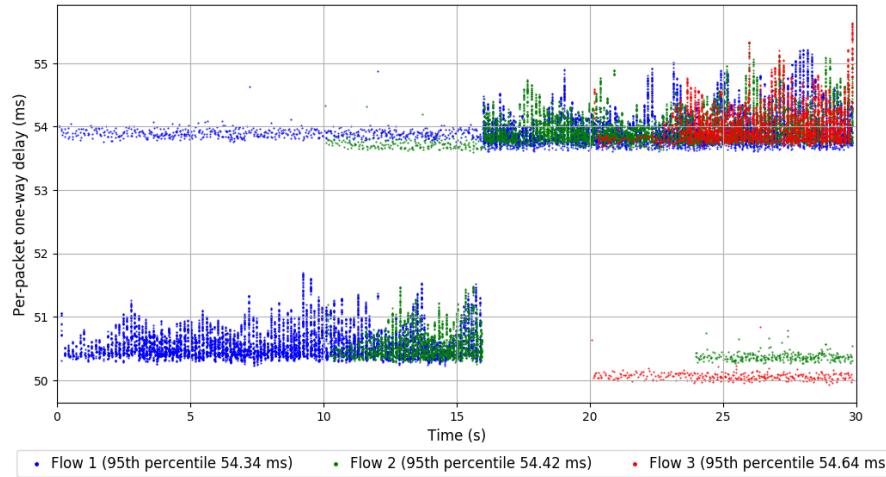
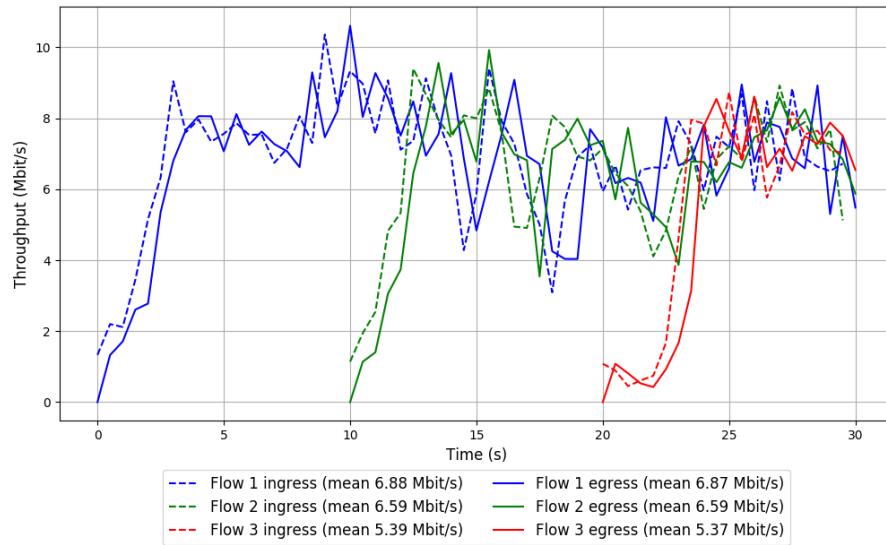


Run 10: Statistics of Sprout

```
Start at: 2018-07-12 20:28:24
End at: 2018-07-12 20:28:54
Local clock offset: -0.006 ms
Remote clock offset: -0.222 ms

# Below is generated by plot.py at 2018-07-12 23:25:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.01 Mbit/s
95th percentile per-packet one-way delay: 54.439 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 54.342 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: 54.420 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 5.37 Mbit/s
95th percentile per-packet one-way delay: 54.643 ms
Loss rate: 0.99%
```

Run 10: Report of Sprout — Data Link

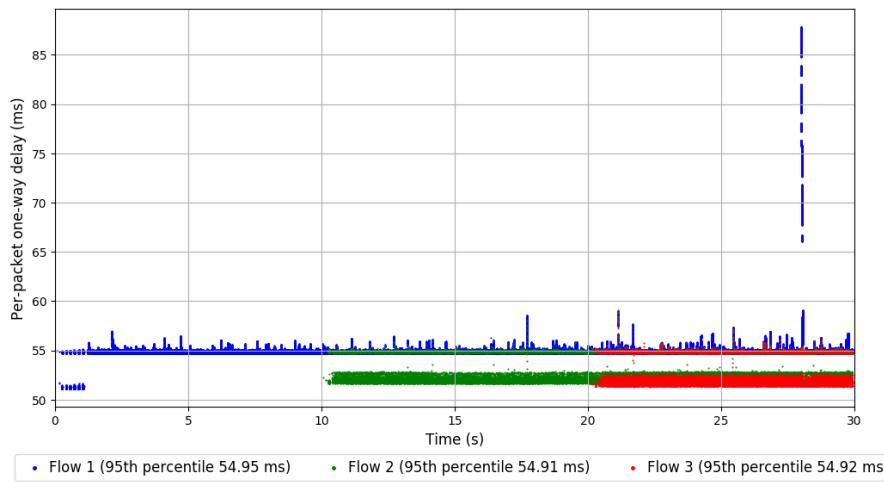
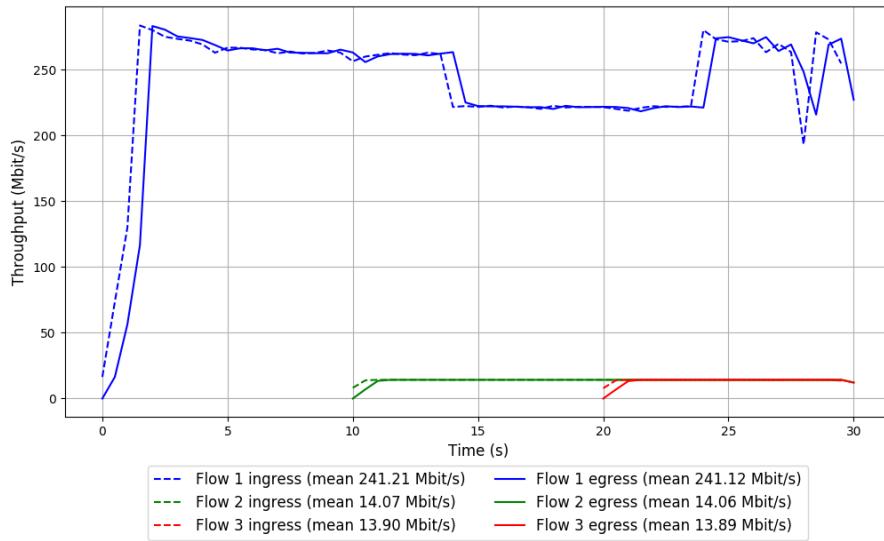


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-07-12 16:51:59
End at: 2018-07-12 16:52:29
Local clock offset: -0.07 ms
Remote clock offset: -1.4 ms

# Below is generated by plot.py at 2018-07-12 23:30:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 255.06 Mbit/s
95th percentile per-packet one-way delay: 54.952 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 241.12 Mbit/s
95th percentile per-packet one-way delay: 54.954 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 14.06 Mbit/s
95th percentile per-packet one-way delay: 54.913 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 13.89 Mbit/s
95th percentile per-packet one-way delay: 54.916 ms
Loss rate: 1.11%
```

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

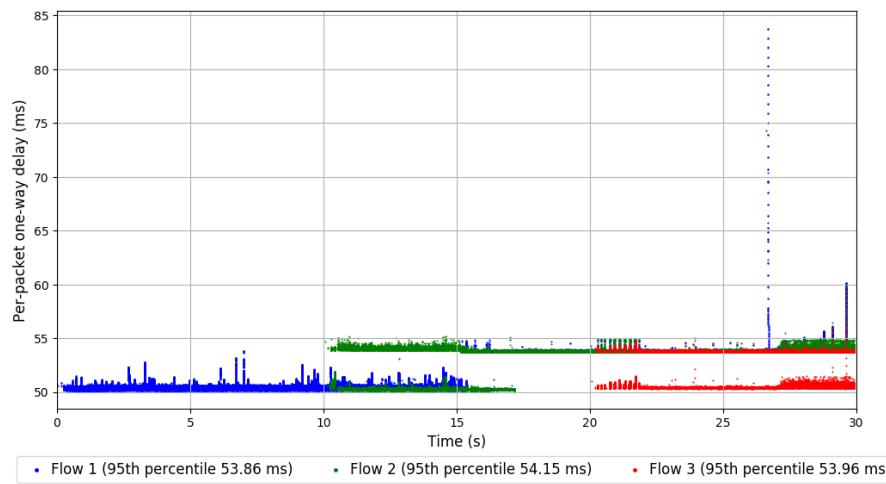
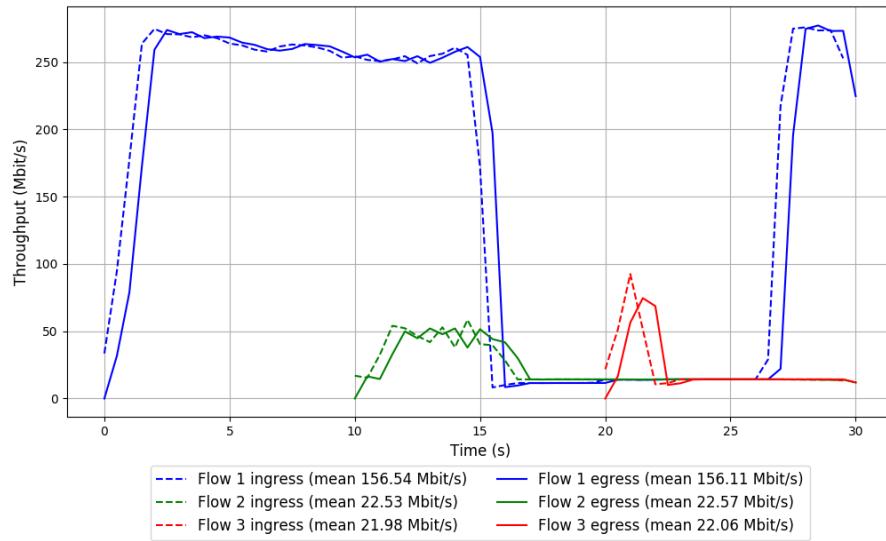


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-07-12 17:18:33
End at: 2018-07-12 17:19:03
Local clock offset: 0.101 ms
Remote clock offset: -0.204 ms

# Below is generated by plot.py at 2018-07-12 23:30:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 178.39 Mbit/s
95th percentile per-packet one-way delay: 53.899 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 156.11 Mbit/s
95th percentile per-packet one-way delay: 53.863 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 22.57 Mbit/s
95th percentile per-packet one-way delay: 54.153 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 22.06 Mbit/s
95th percentile per-packet one-way delay: 53.959 ms
Loss rate: 0.70%
```

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

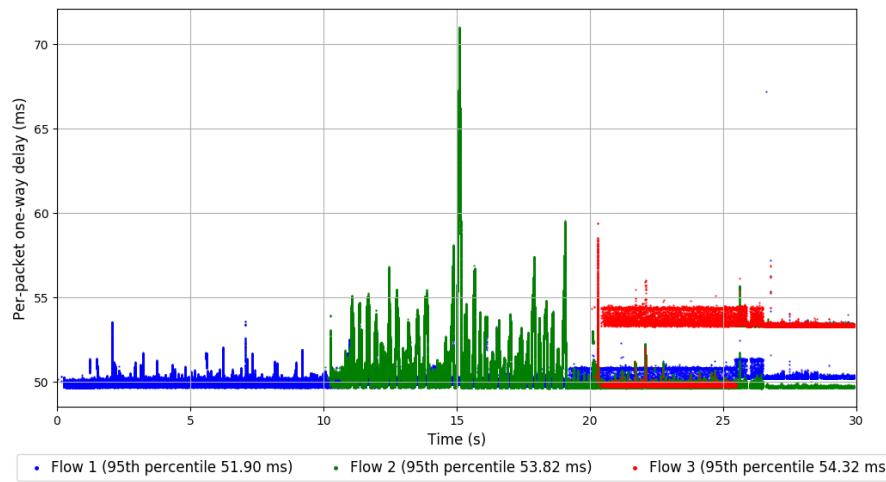
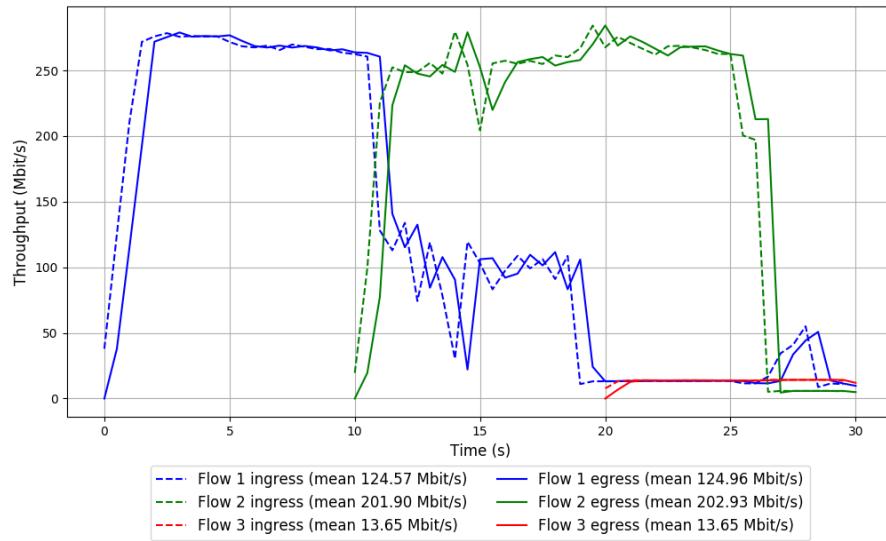


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-07-12 17:46:04
End at: 2018-07-12 17:46:34
Local clock offset: 0.268 ms
Remote clock offset: 0.413 ms

# Below is generated by plot.py at 2018-07-12 23:30:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 264.40 Mbit/s
95th percentile per-packet one-way delay: 53.438 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 124.96 Mbit/s
95th percentile per-packet one-way delay: 51.898 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 202.93 Mbit/s
95th percentile per-packet one-way delay: 53.816 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 54.323 ms
Loss rate: 1.12%
```

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

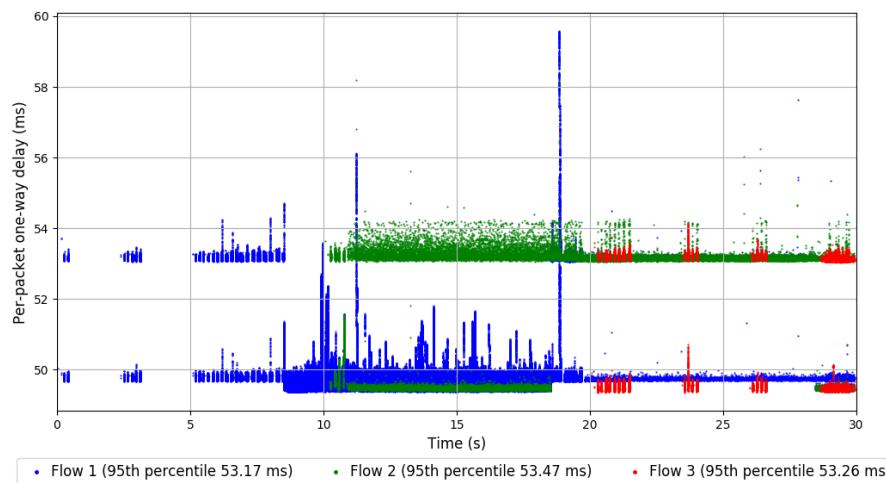
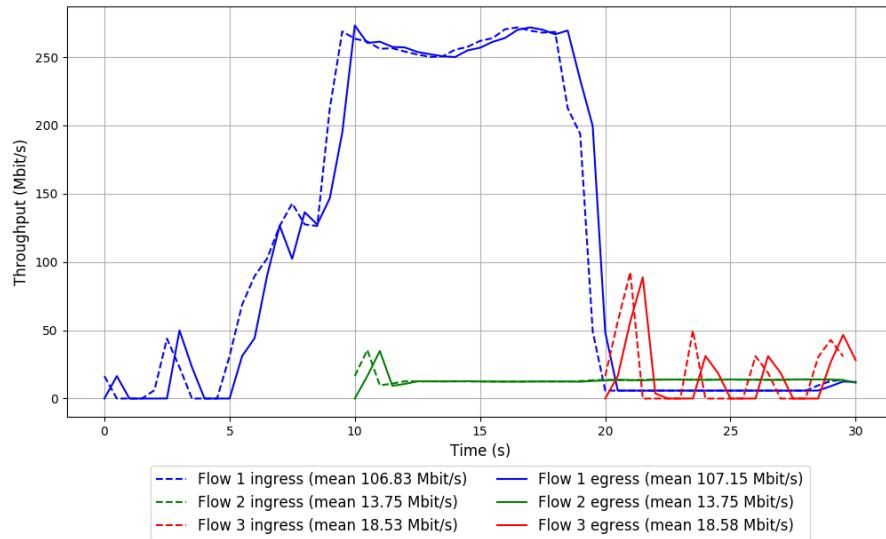


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-07-12 18:11:11
End at: 2018-07-12 18:11:41
Local clock offset: -0.527 ms
Remote clock offset: -0.161 ms

# Below is generated by plot.py at 2018-07-12 23:30:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.42 Mbit/s
95th percentile per-packet one-way delay: 53.198 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 107.15 Mbit/s
95th percentile per-packet one-way delay: 53.170 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 13.75 Mbit/s
95th percentile per-packet one-way delay: 53.471 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 18.58 Mbit/s
95th percentile per-packet one-way delay: 53.263 ms
Loss rate: 0.76%
```

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

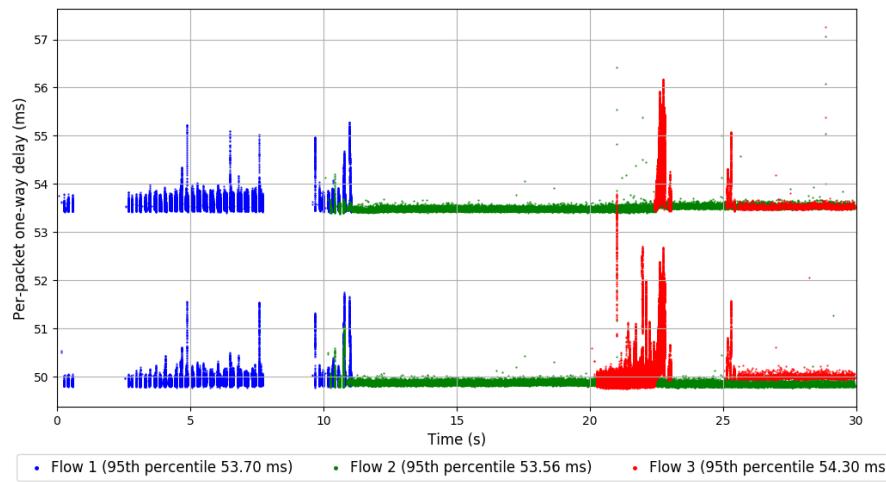
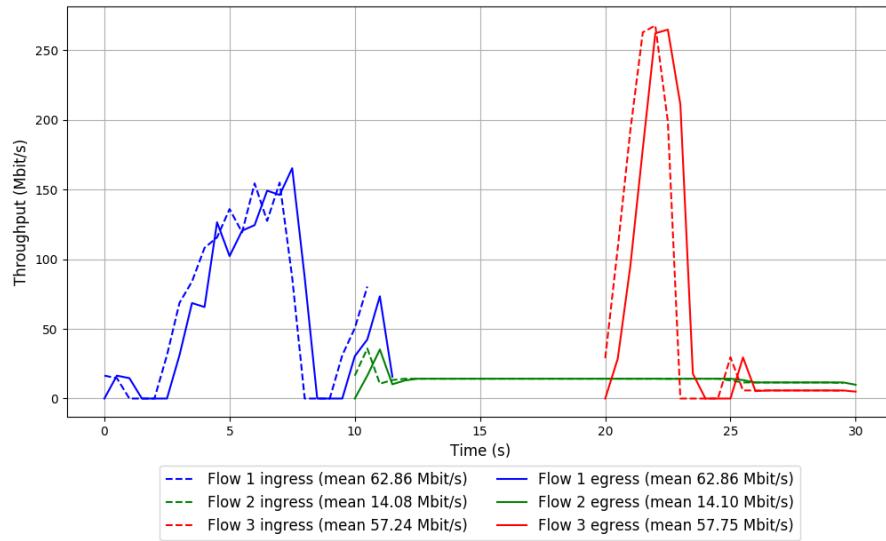


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-07-12 18:36:17
End at: 2018-07-12 18:36:47
Local clock offset: -0.107 ms
Remote clock offset: -0.123 ms

# Below is generated by plot.py at 2018-07-12 23:30:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.54 Mbit/s
95th percentile per-packet one-way delay: 53.713 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 62.86 Mbit/s
95th percentile per-packet one-way delay: 53.704 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.10 Mbit/s
95th percentile per-packet one-way delay: 53.560 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 54.305 ms
Loss rate: 0.10%
```

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

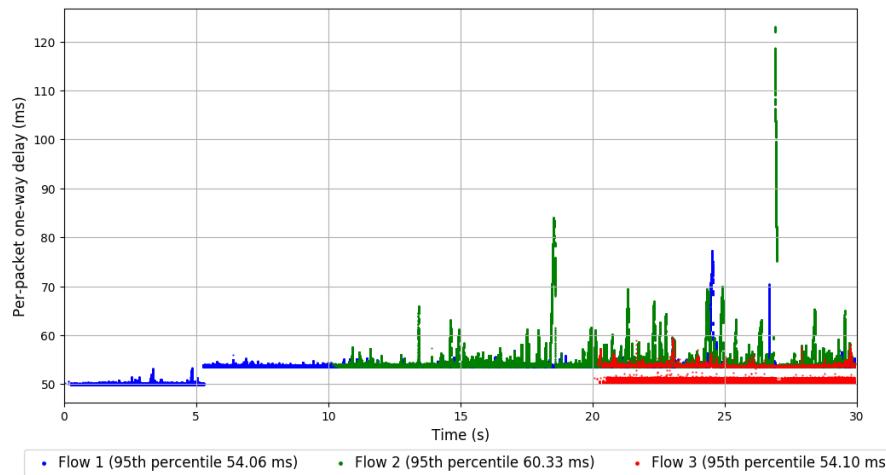
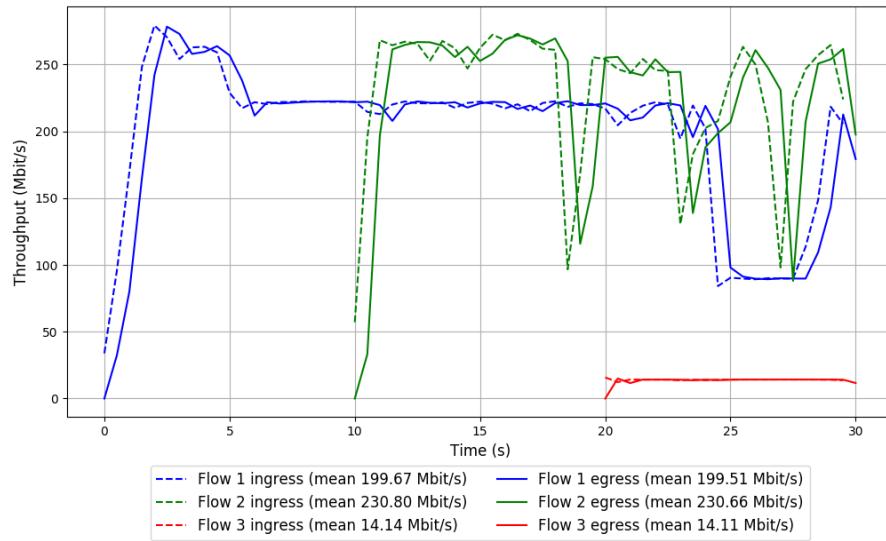


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-07-12 19:01:24
End at: 2018-07-12 19:01:54
Local clock offset: 0.086 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-07-12 23:36:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 357.55 Mbit/s
95th percentile per-packet one-way delay: 56.535 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 199.51 Mbit/s
95th percentile per-packet one-way delay: 54.057 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 230.66 Mbit/s
95th percentile per-packet one-way delay: 60.332 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 14.11 Mbit/s
95th percentile per-packet one-way delay: 54.096 ms
Loss rate: 1.27%
```

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

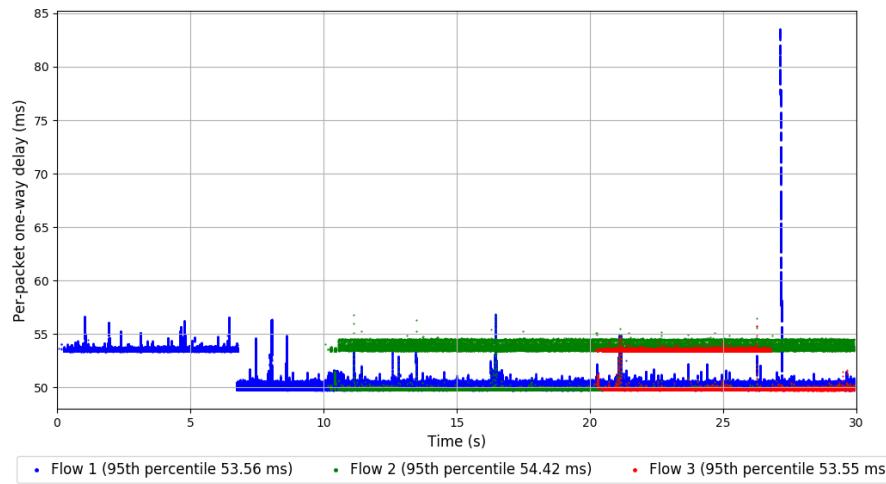
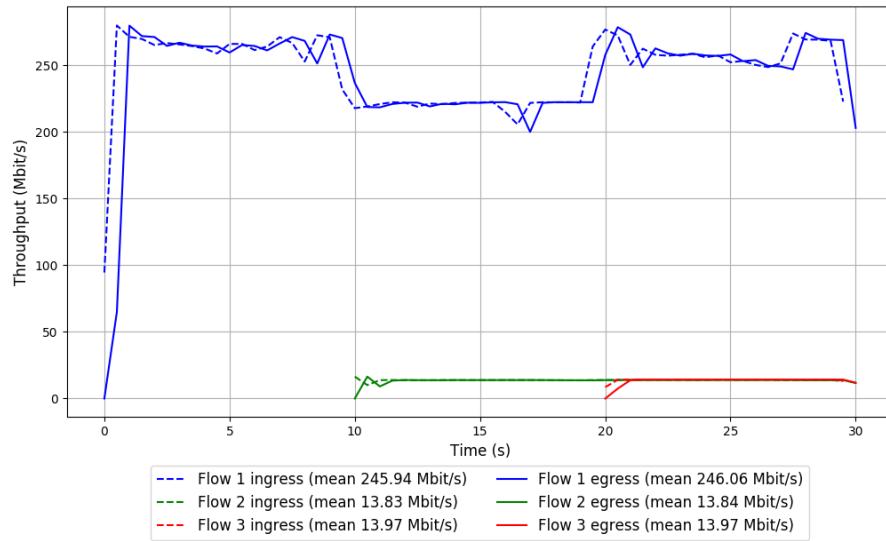


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-07-12 19:26:43
End at: 2018-07-12 19:27:13
Local clock offset: -0.032 ms
Remote clock offset: 0.057 ms

# Below is generated by plot.py at 2018-07-12 23:36:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 259.85 Mbit/s
95th percentile per-packet one-way delay: 53.573 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 246.06 Mbit/s
95th percentile per-packet one-way delay: 53.558 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 54.425 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 13.97 Mbit/s
95th percentile per-packet one-way delay: 53.548 ms
Loss rate: 1.07%
```

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

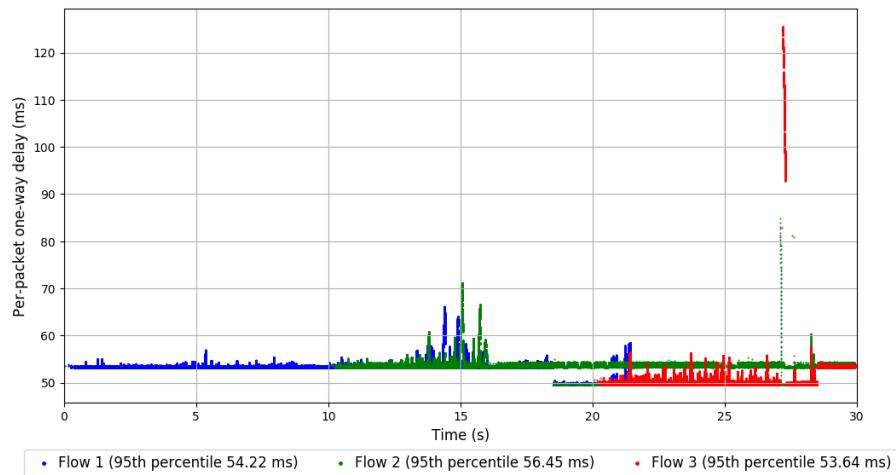
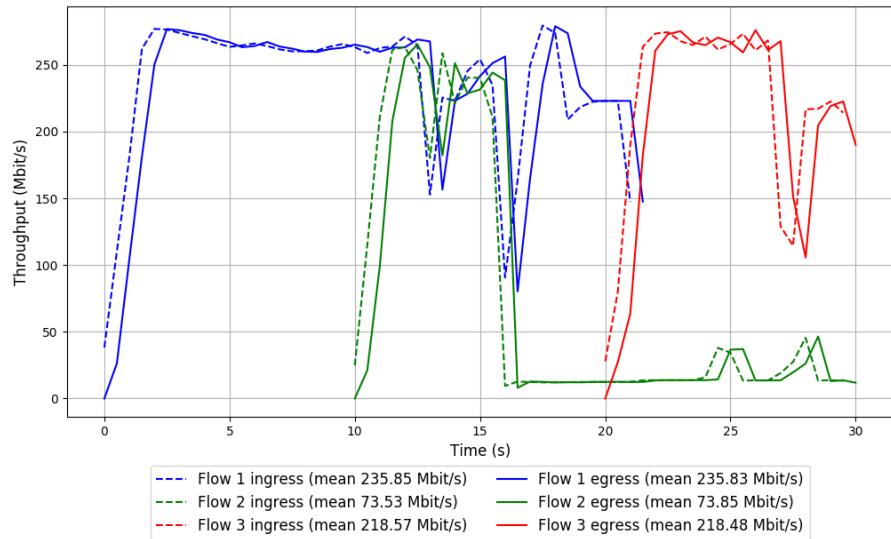


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-07-12 19:52:21
End at: 2018-07-12 19:52:51
Local clock offset: -0.229 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-07-12 23:36:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 289.83 Mbit/s
95th percentile per-packet one-way delay: 54.430 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 235.83 Mbit/s
95th percentile per-packet one-way delay: 54.223 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 73.85 Mbit/s
95th percentile per-packet one-way delay: 56.454 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 218.48 Mbit/s
95th percentile per-packet one-way delay: 53.641 ms
Loss rate: 1.10%
```

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

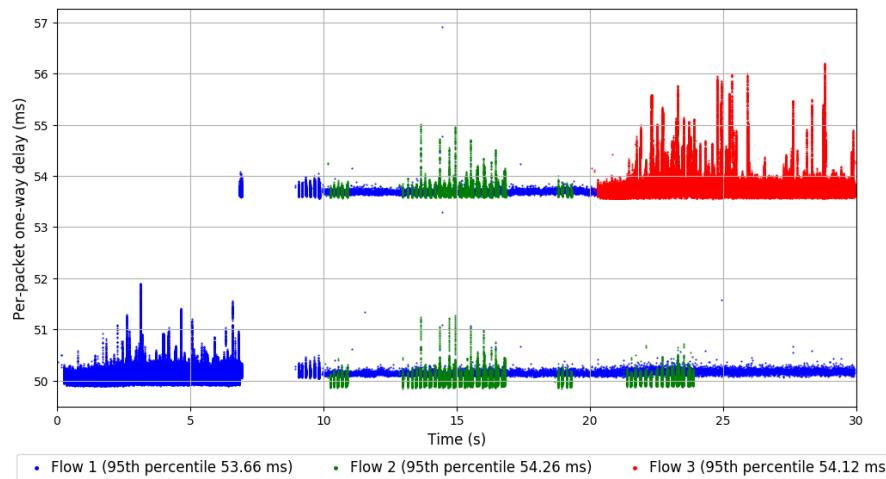
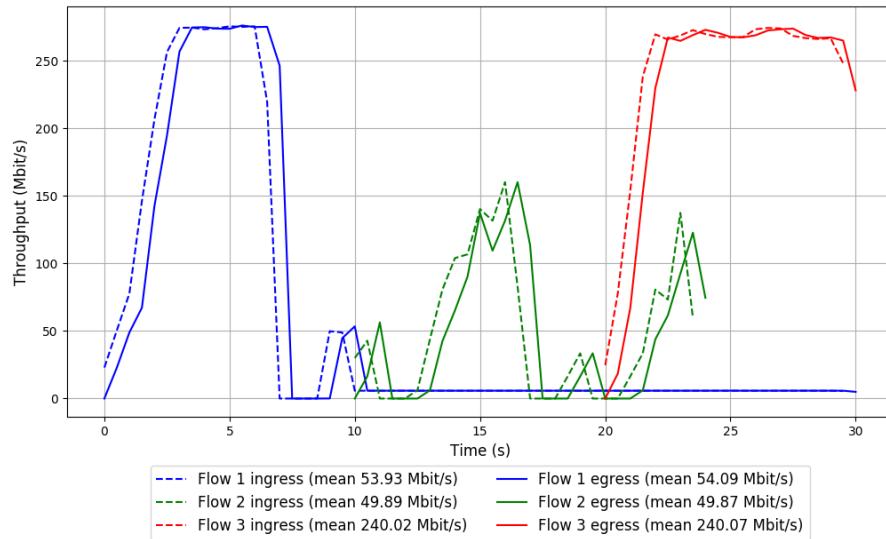


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-07-12 20:17:33
End at: 2018-07-12 20:18:03
Local clock offset: 0.023 ms
Remote clock offset: -0.154 ms

# Below is generated by plot.py at 2018-07-12 23:36:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 156.39 Mbit/s
95th percentile per-packet one-way delay: 53.977 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 54.09 Mbit/s
95th percentile per-packet one-way delay: 53.658 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 49.87 Mbit/s
95th percentile per-packet one-way delay: 54.258 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 240.07 Mbit/s
95th percentile per-packet one-way delay: 54.121 ms
Loss rate: 1.04%
```

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

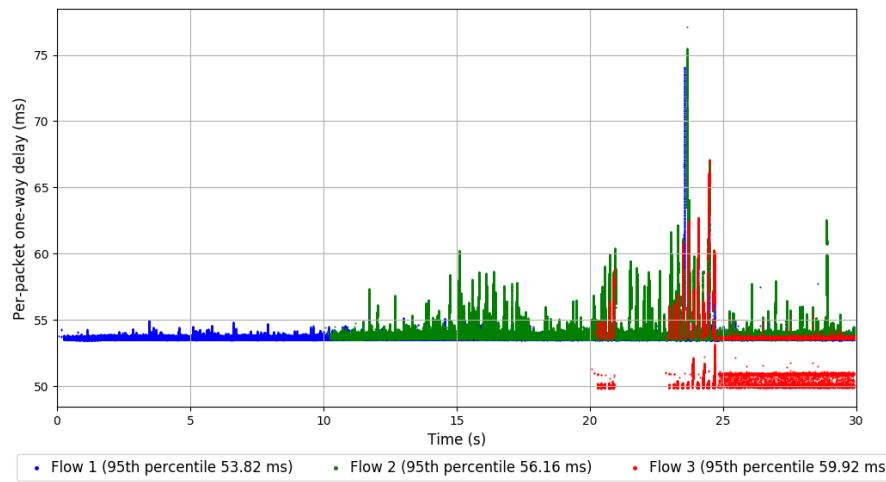
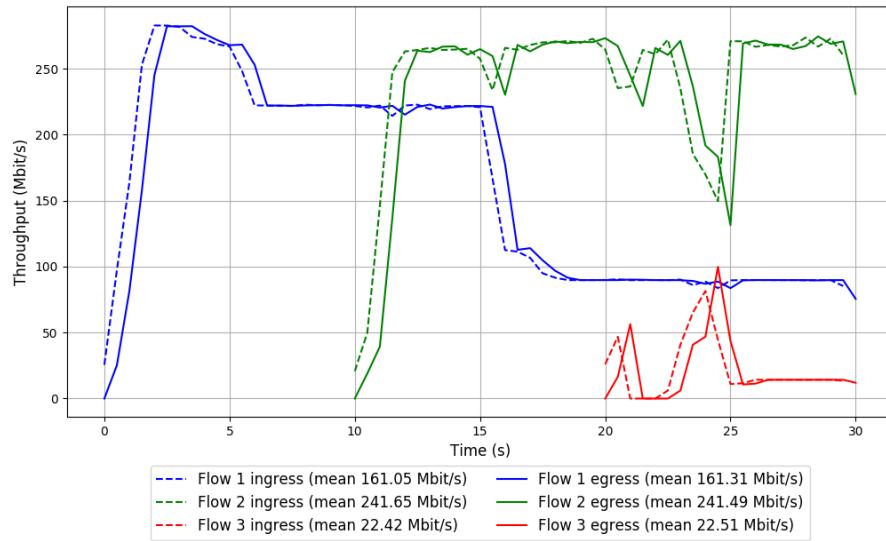


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-07-12 20:42:47
End at: 2018-07-12 20:43:17
Local clock offset: 0.003 ms
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2018-07-12 23:37:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 329.28 Mbit/s
95th percentile per-packet one-way delay: 55.092 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 161.31 Mbit/s
95th percentile per-packet one-way delay: 53.822 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 241.49 Mbit/s
95th percentile per-packet one-way delay: 56.156 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 22.51 Mbit/s
95th percentile per-packet one-way delay: 59.916 ms
Loss rate: 0.68%
```

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

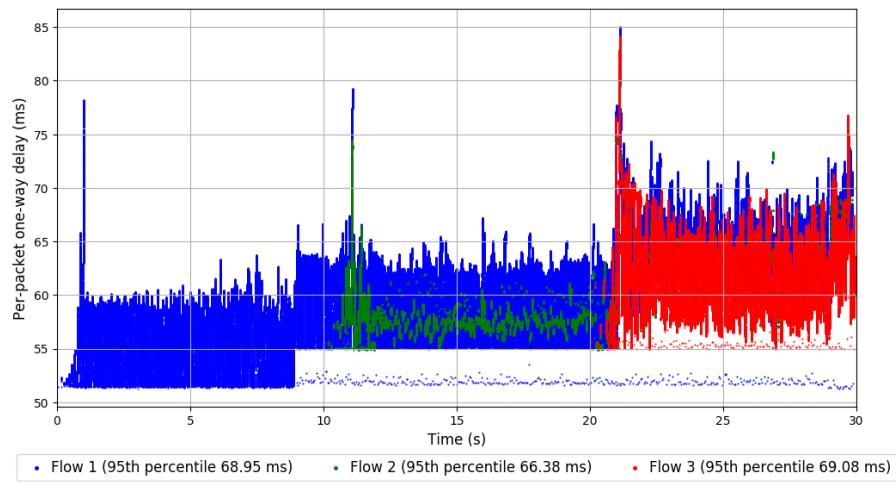
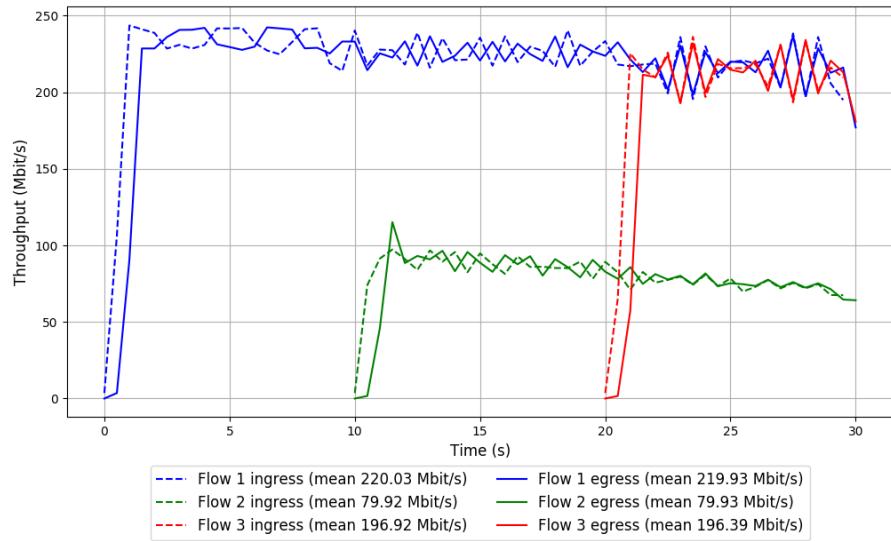


Run 1: Statistics of TCP Vegas

```
Start at: 2018-07-12 16:55:01
End at: 2018-07-12 16:55:31
Local clock offset: 0.081 ms
Remote clock offset: -1.42 ms

# Below is generated by plot.py at 2018-07-12 23:37:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 337.50 Mbit/s
95th percentile per-packet one-way delay: 68.734 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 219.93 Mbit/s
95th percentile per-packet one-way delay: 68.952 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 79.93 Mbit/s
95th percentile per-packet one-way delay: 66.379 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 196.39 Mbit/s
95th percentile per-packet one-way delay: 69.078 ms
Loss rate: 1.35%
```

Run 1: Report of TCP Vegas — Data Link

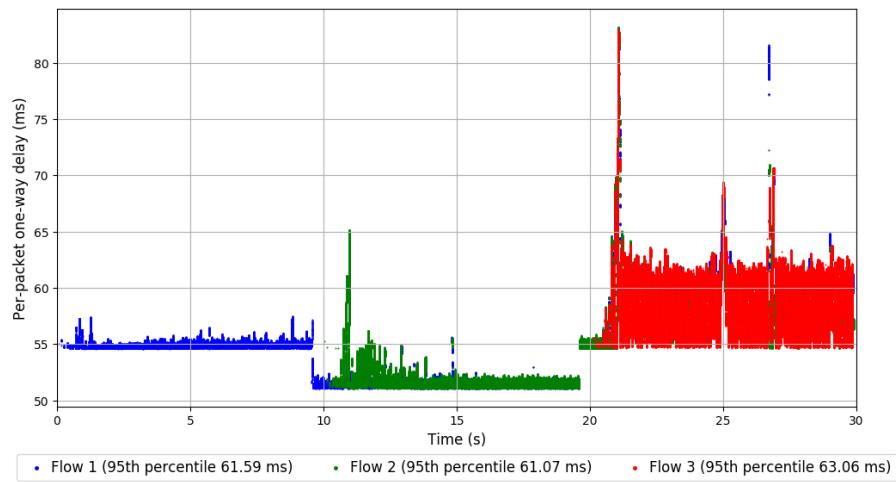
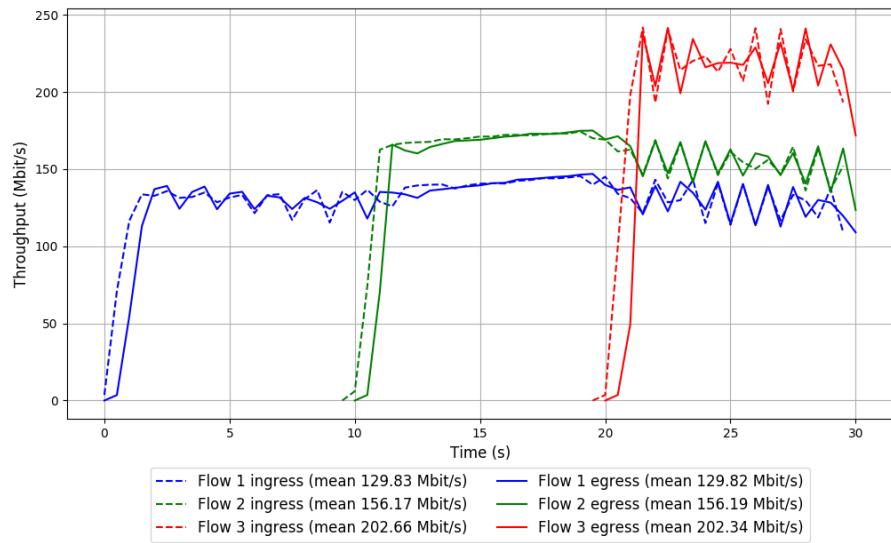


Run 2: Statistics of TCP Vegas

```
Start at: 2018-07-12 17:22:10
End at: 2018-07-12 17:22:40
Local clock offset: -0.115 ms
Remote clock offset: -1.337 ms

# Below is generated by plot.py at 2018-07-12 23:37:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 300.20 Mbit/s
95th percentile per-packet one-way delay: 62.074 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 129.82 Mbit/s
95th percentile per-packet one-way delay: 61.589 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 156.19 Mbit/s
95th percentile per-packet one-way delay: 61.071 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 202.34 Mbit/s
95th percentile per-packet one-way delay: 63.059 ms
Loss rate: 1.20%
```

Run 2: Report of TCP Vegas — Data Link

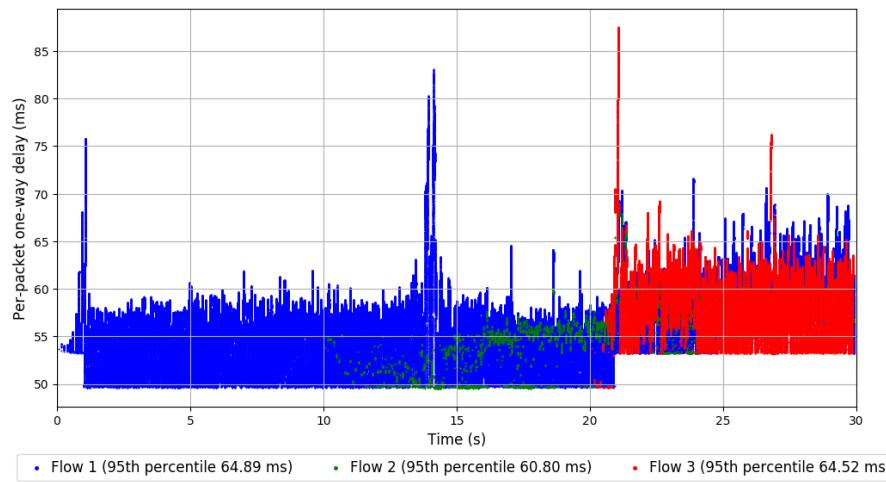
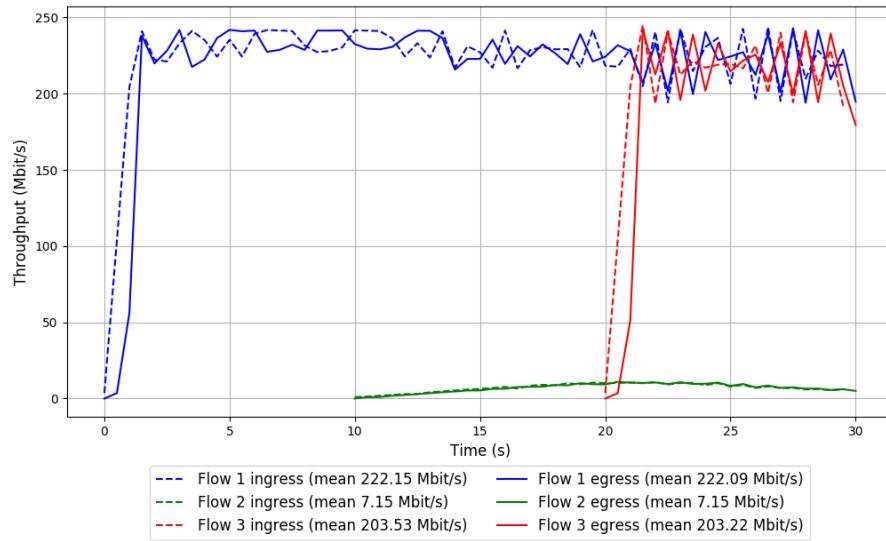


Run 3: Statistics of TCP Vegas

```
Start at: 2018-07-12 17:49:09
End at: 2018-07-12 17:49:39
Local clock offset: 0.137 ms
Remote clock offset: 0.397 ms

# Below is generated by plot.py at 2018-07-12 23:37:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.53 Mbit/s
95th percentile per-packet one-way delay: 64.742 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 222.09 Mbit/s
95th percentile per-packet one-way delay: 64.887 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 60.797 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 203.22 Mbit/s
95th percentile per-packet one-way delay: 64.522 ms
Loss rate: 1.19%
```

Run 3: Report of TCP Vegas — Data Link

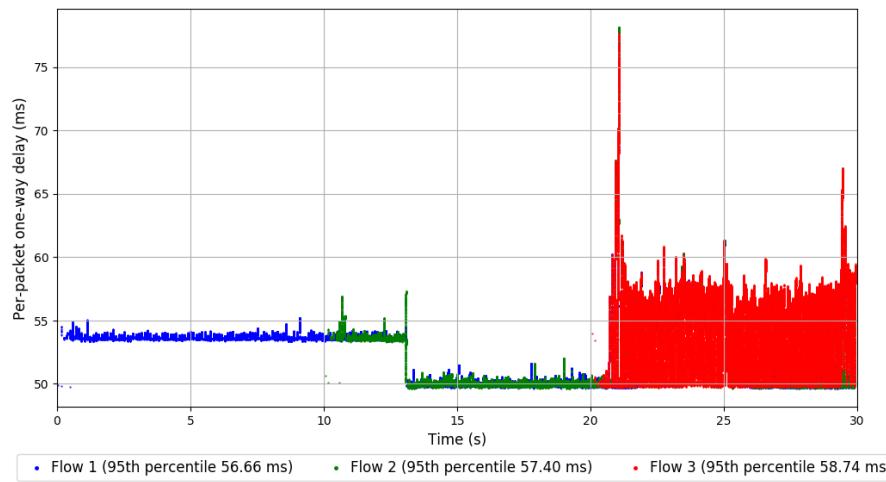
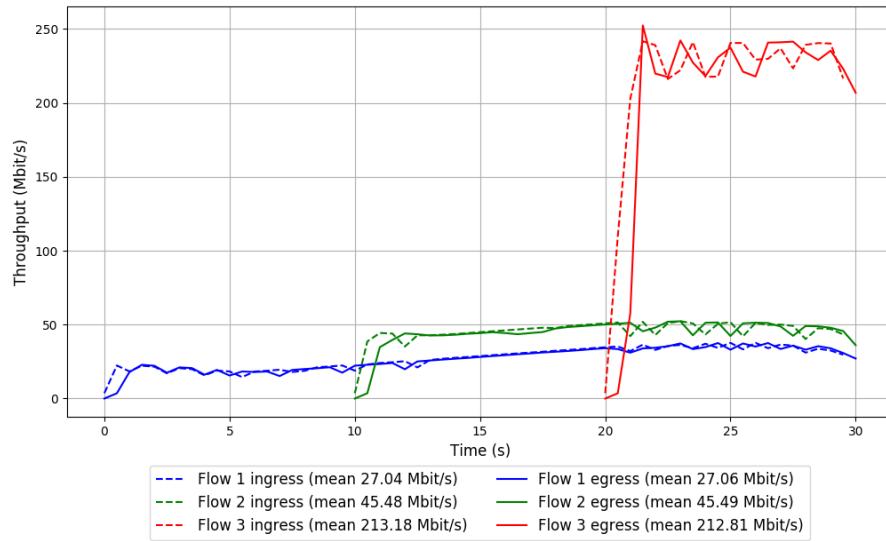


Run 4: Statistics of TCP Vegas

```
Start at: 2018-07-12 18:14:07
End at: 2018-07-12 18:14:37
Local clock offset: -0.084 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-07-12 23:37:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 127.50 Mbit/s
95th percentile per-packet one-way delay: 58.138 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 27.06 Mbit/s
95th percentile per-packet one-way delay: 56.657 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 45.49 Mbit/s
95th percentile per-packet one-way delay: 57.397 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 212.81 Mbit/s
95th percentile per-packet one-way delay: 58.741 ms
Loss rate: 1.20%
```

Run 4: Report of TCP Vegas — Data Link

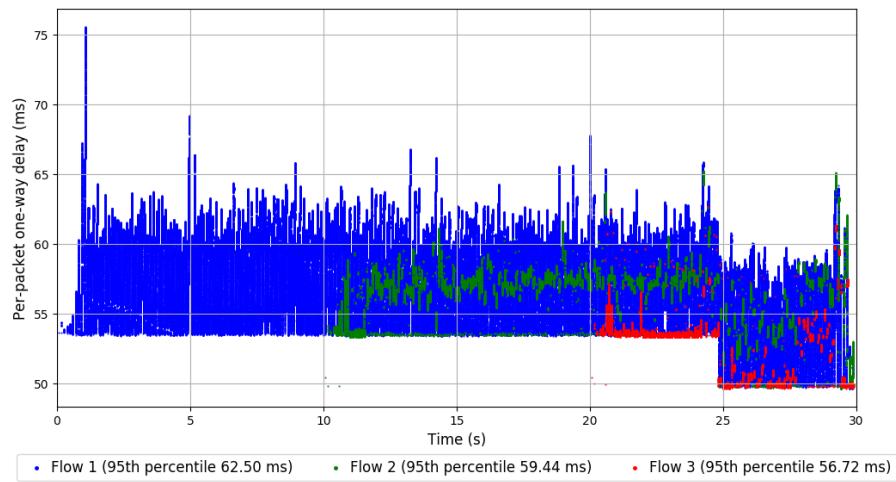
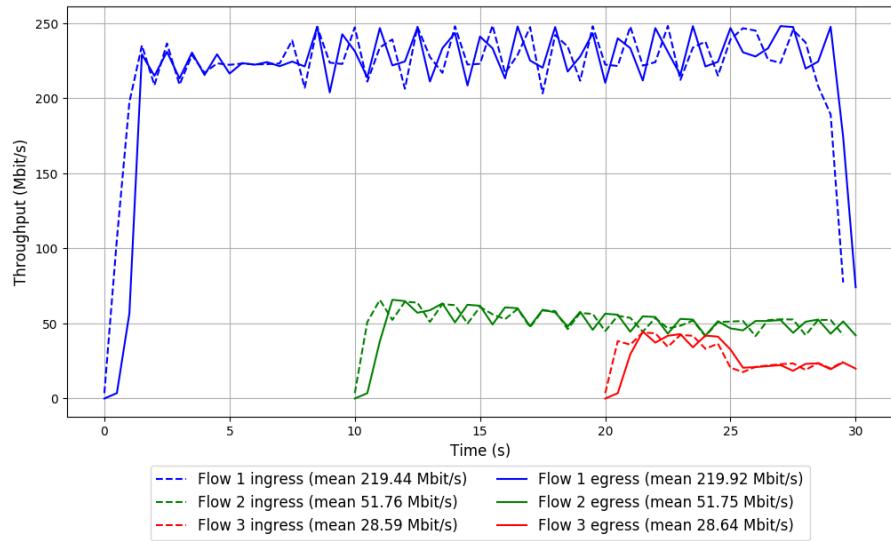


Run 5: Statistics of TCP Vegas

```
Start at: 2018-07-12 18:39:05
End at: 2018-07-12 18:39:35
Local clock offset: -0.106 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-07-12 23:38:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 263.76 Mbit/s
95th percentile per-packet one-way delay: 62.369 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 219.92 Mbit/s
95th percentile per-packet one-way delay: 62.503 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 59.444 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 56.716 ms
Loss rate: 0.89%
```

Run 5: Report of TCP Vegas — Data Link

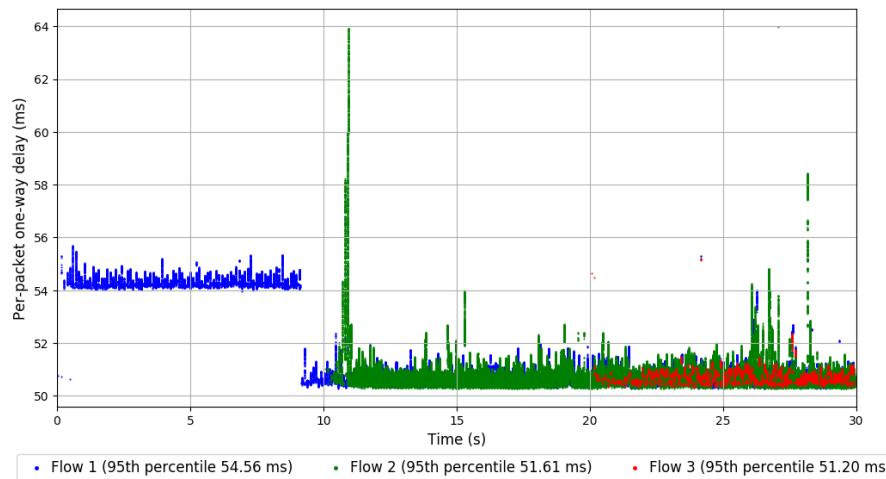
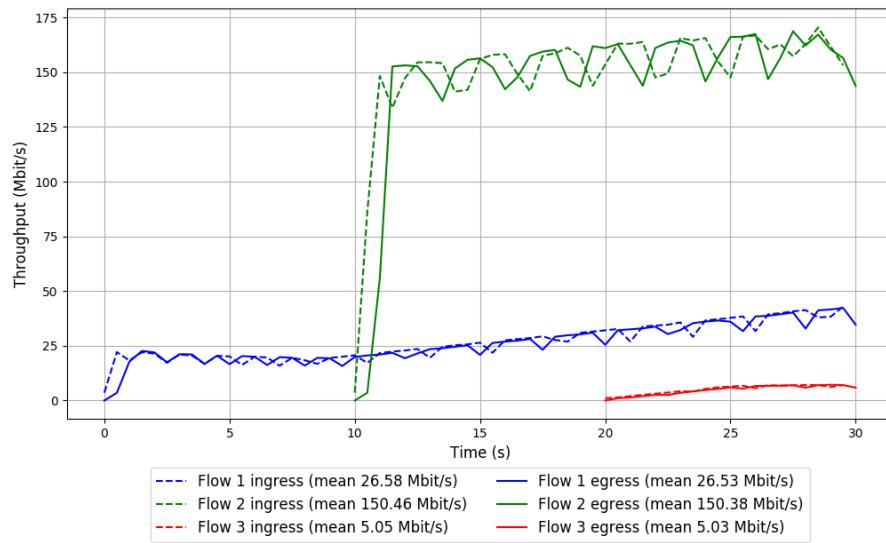


Run 6: Statistics of TCP Vegas

```
Start at: 2018-07-12 19:04:41
End at: 2018-07-12 19:05:11
Local clock offset: 0.4 ms
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2018-07-12 23:38:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 128.14 Mbit/s
95th percentile per-packet one-way delay: 53.983 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 26.53 Mbit/s
95th percentile per-packet one-way delay: 54.560 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 150.38 Mbit/s
95th percentile per-packet one-way delay: 51.613 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 5.03 Mbit/s
95th percentile per-packet one-way delay: 51.201 ms
Loss rate: 1.46%
```

Run 6: Report of TCP Vegas — Data Link

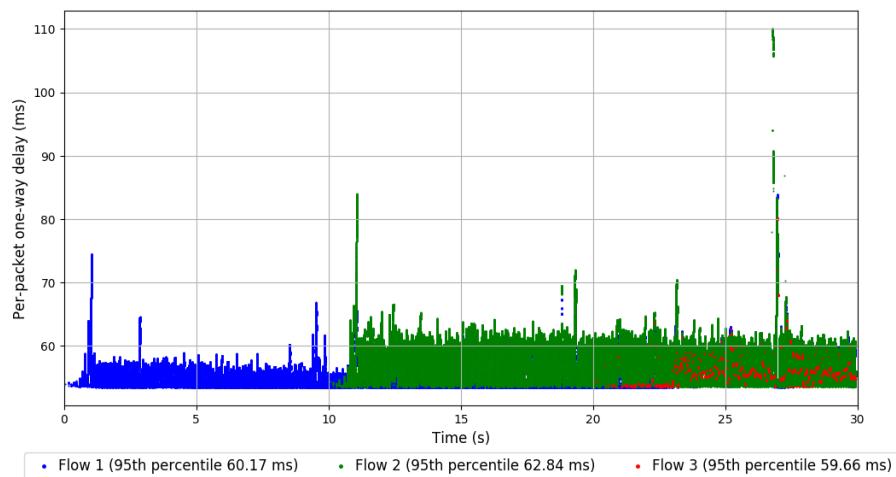
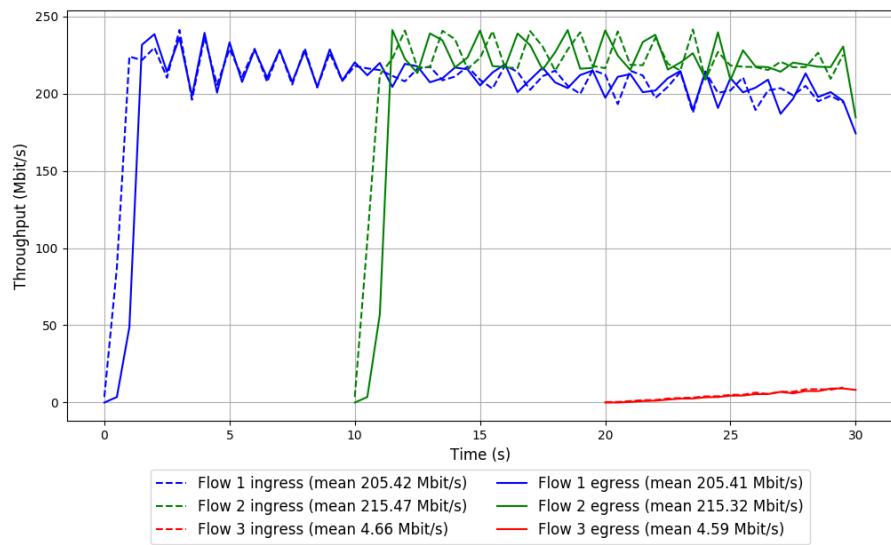


Run 7: Statistics of TCP Vegas

```
Start at: 2018-07-12 19:29:50
End at: 2018-07-12 19:30:20
Local clock offset: -0.291 ms
Remote clock offset: -0.234 ms

# Below is generated by plot.py at 2018-07-12 23:40:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 349.97 Mbit/s
95th percentile per-packet one-way delay: 61.826 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 205.41 Mbit/s
95th percentile per-packet one-way delay: 60.171 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 215.32 Mbit/s
95th percentile per-packet one-way delay: 62.844 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 59.664 ms
Loss rate: 2.53%
```

Run 7: Report of TCP Vegas — Data Link

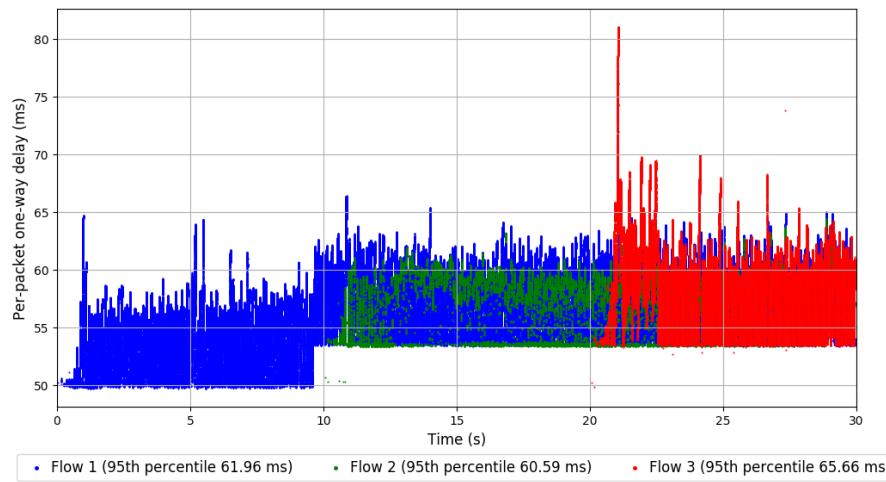
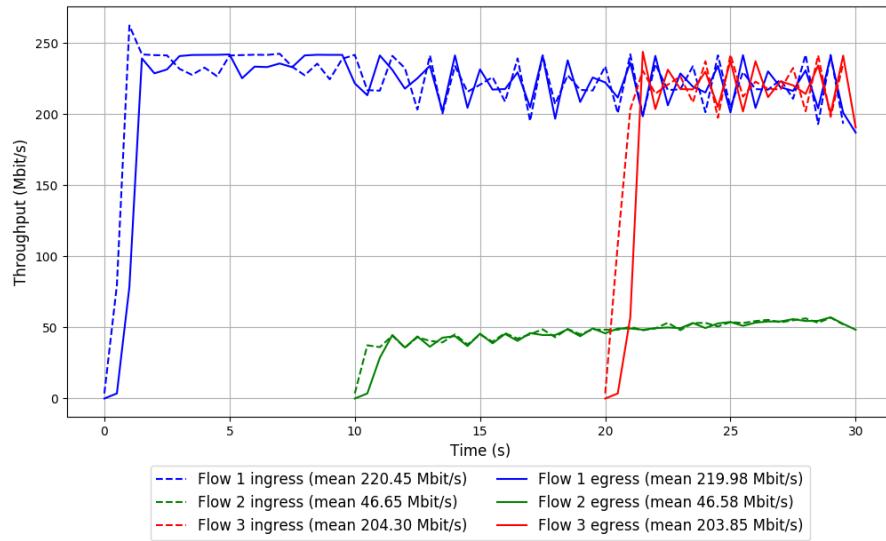


Run 8: Statistics of TCP Vegas

```
Start at: 2018-07-12 19:55:30
End at: 2018-07-12 19:56:00
Local clock offset: 0.105 ms
Remote clock offset: 0.163 ms

# Below is generated by plot.py at 2018-07-12 23:41:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 318.23 Mbit/s
95th percentile per-packet one-way delay: 62.389 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 219.98 Mbit/s
95th percentile per-packet one-way delay: 61.958 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 46.58 Mbit/s
95th percentile per-packet one-way delay: 60.595 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 203.85 Mbit/s
95th percentile per-packet one-way delay: 65.659 ms
Loss rate: 1.23%
```

Run 8: Report of TCP Vegas — Data Link

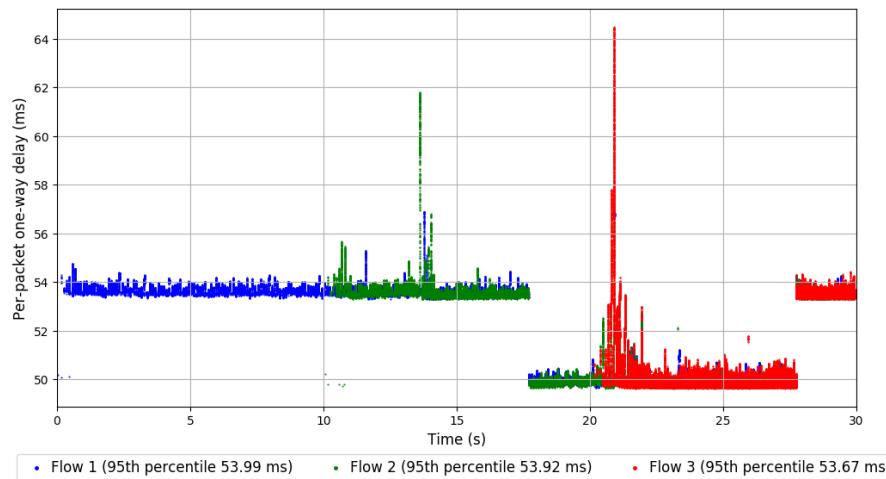
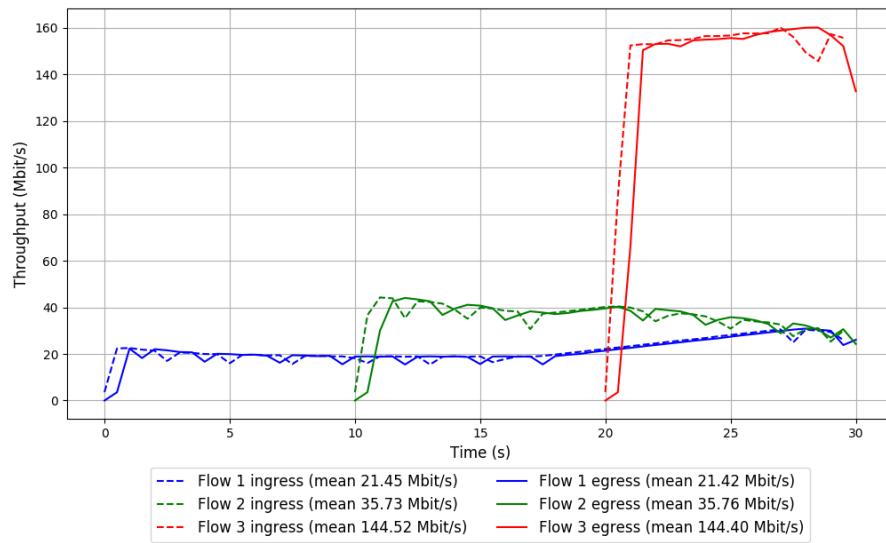


Run 9: Statistics of TCP Vegas

```
Start at: 2018-07-12 20:20:32
End at: 2018-07-12 20:21:02
Local clock offset: 0.095 ms
Remote clock offset: 0.166 ms

# Below is generated by plot.py at 2018-07-12 23:41:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.85 Mbit/s
95th percentile per-packet one-way delay: 53.874 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 53.986 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 35.76 Mbit/s
95th percentile per-packet one-way delay: 53.921 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 144.40 Mbit/s
95th percentile per-packet one-way delay: 53.673 ms
Loss rate: 1.10%
```

Run 9: Report of TCP Vegas — Data Link

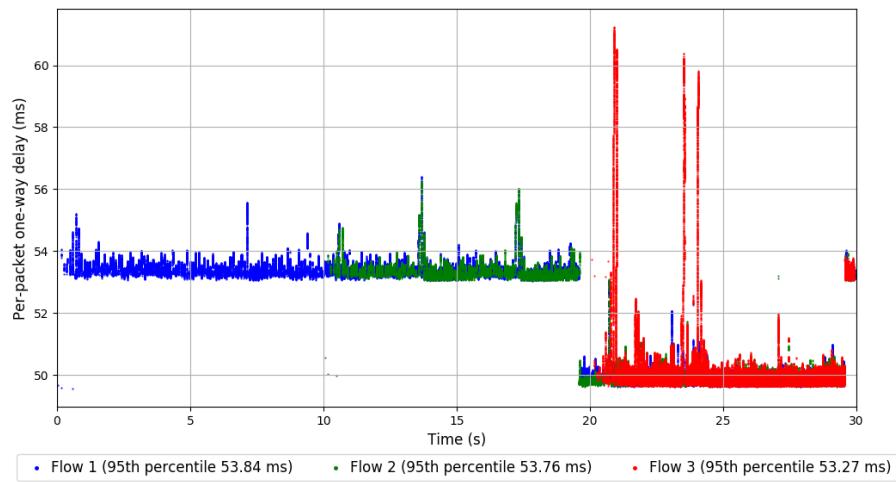
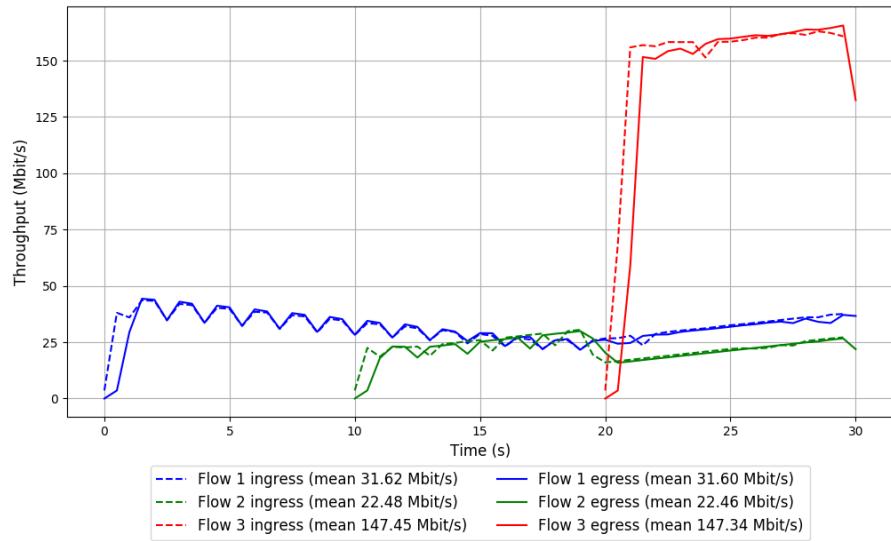


Run 10: Statistics of TCP Vegas

```
Start at: 2018-07-12 20:46:00
End at: 2018-07-12 20:46:30
Local clock offset: 0.185 ms
Remote clock offset: 0.486 ms

# Below is generated by plot.py at 2018-07-12 23:41:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.10 Mbit/s
95th percentile per-packet one-way delay: 53.738 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 53.838 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 22.46 Mbit/s
95th percentile per-packet one-way delay: 53.756 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 147.34 Mbit/s
95th percentile per-packet one-way delay: 53.271 ms
Loss rate: 1.13%
```

Run 10: Report of TCP Vegas — Data Link

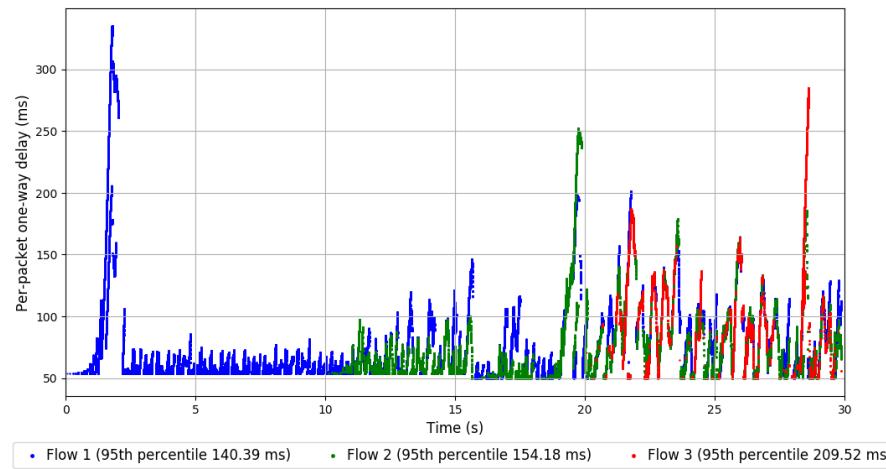
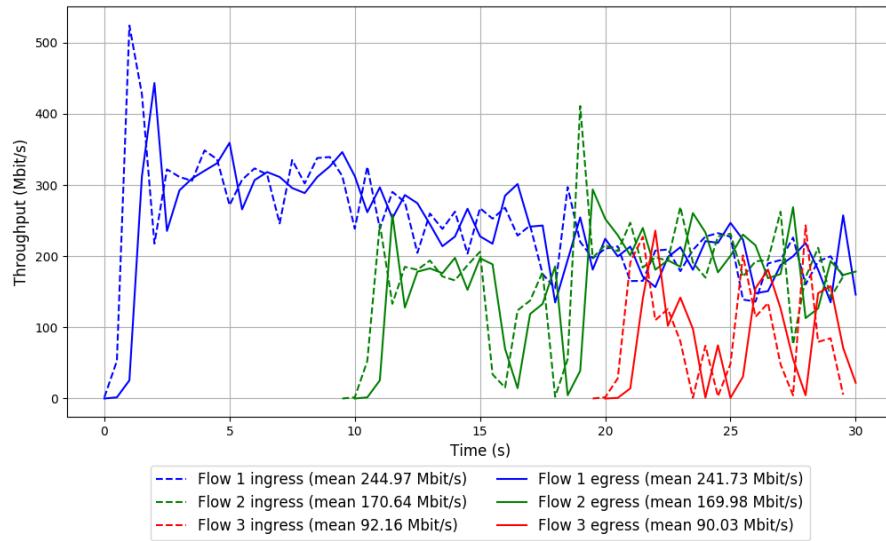


Run 1: Statistics of Verus

```
Start at: 2018-07-12 16:47:14
End at: 2018-07-12 16:47:44
Local clock offset: -0.057 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2018-07-12 23:43:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 384.42 Mbit/s
95th percentile per-packet one-way delay: 152.612 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 241.73 Mbit/s
95th percentile per-packet one-way delay: 140.394 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 169.98 Mbit/s
95th percentile per-packet one-way delay: 154.176 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 209.523 ms
Loss rate: 2.47%
```

Run 1: Report of Verus — Data Link

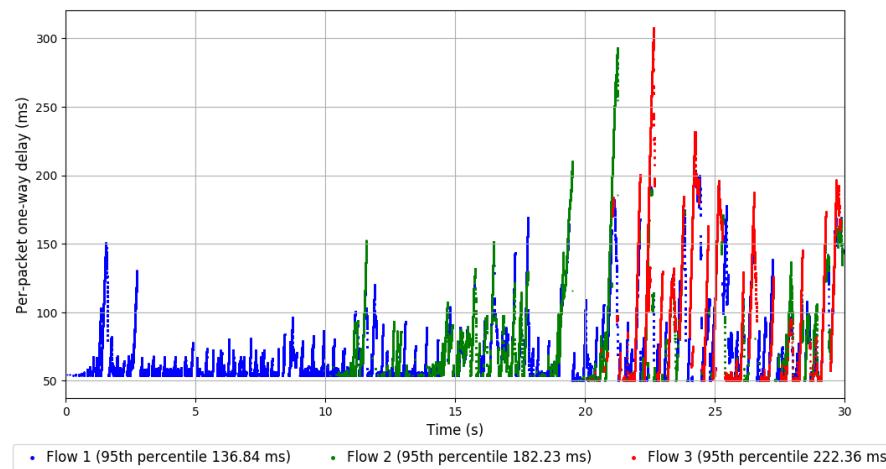
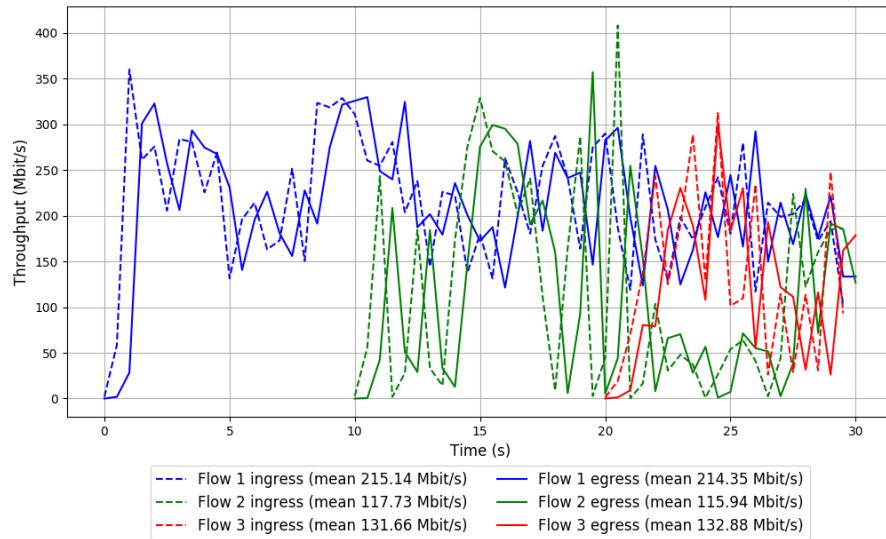


Run 2: Statistics of Verus

```
Start at: 2018-07-12 17:13:31
End at: 2018-07-12 17:14:01
Local clock offset: 0.018 ms
Remote clock offset: -0.353 ms

# Below is generated by plot.py at 2018-07-12 23:43:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 334.82 Mbit/s
95th percentile per-packet one-way delay: 172.990 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 214.35 Mbit/s
95th percentile per-packet one-way delay: 136.838 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 115.94 Mbit/s
95th percentile per-packet one-way delay: 182.233 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 132.88 Mbit/s
95th percentile per-packet one-way delay: 222.362 ms
Loss rate: 0.91%
```

Run 2: Report of Verus — Data Link

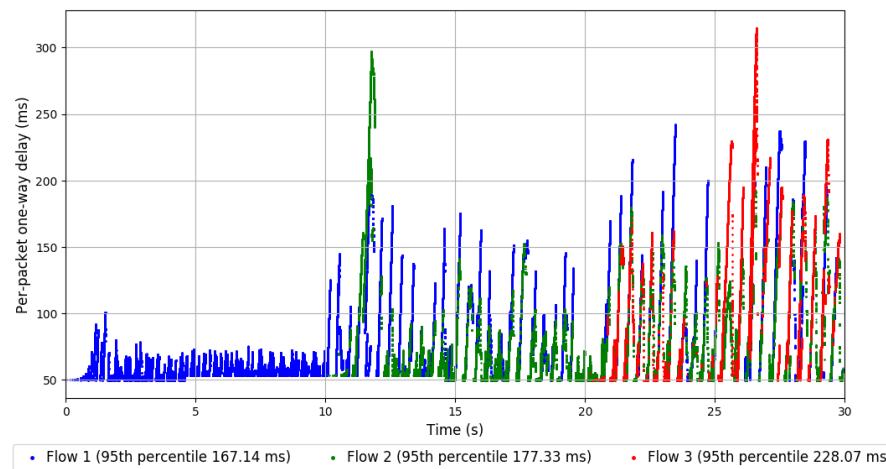
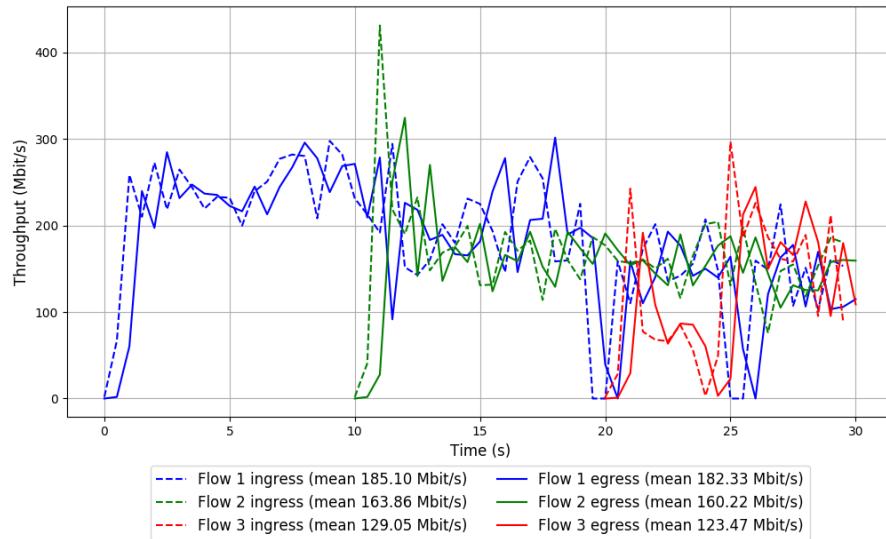


Run 3: Statistics of Verus

```
Start at: 2018-07-12 17:41:25
End at: 2018-07-12 17:41:55
Local clock offset: -0.242 ms
Remote clock offset: 0.049 ms

# Below is generated by plot.py at 2018-07-12 23:43:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 328.96 Mbit/s
95th percentile per-packet one-way delay: 186.897 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 182.33 Mbit/s
95th percentile per-packet one-way delay: 167.136 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 160.22 Mbit/s
95th percentile per-packet one-way delay: 177.326 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 123.47 Mbit/s
95th percentile per-packet one-way delay: 228.068 ms
Loss rate: 3.23%
```

Run 3: Report of Verus — Data Link

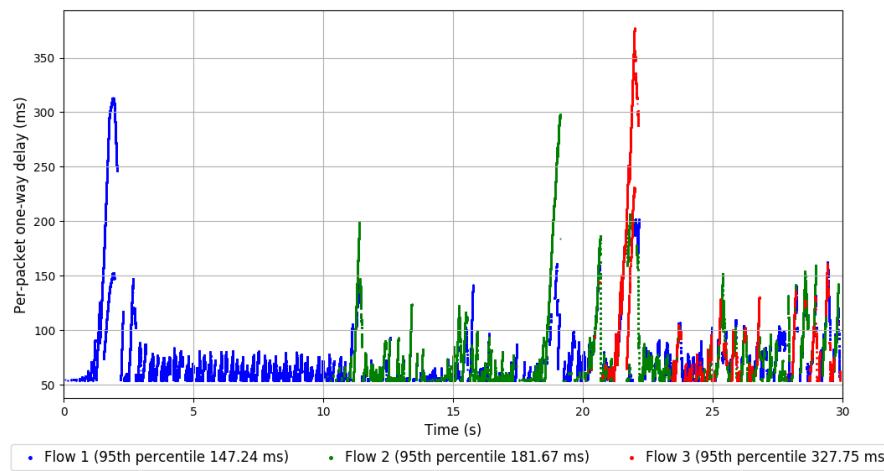
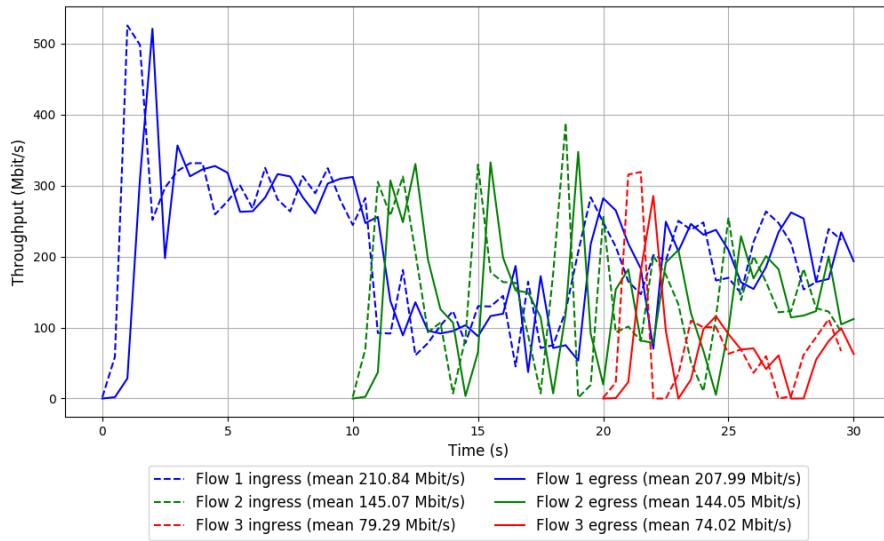


Run 4: Statistics of Verus

```
Start at: 2018-07-12 18:06:37
End at: 2018-07-12 18:07:07
Local clock offset: 0.37 ms
Remote clock offset: -0.308 ms

# Below is generated by plot.py at 2018-07-12 23:44:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 327.59 Mbit/s
95th percentile per-packet one-way delay: 182.296 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 207.99 Mbit/s
95th percentile per-packet one-way delay: 147.241 ms
Loss rate: 1.76%
-- Flow 2:
Average throughput: 144.05 Mbit/s
95th percentile per-packet one-way delay: 181.671 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 74.02 Mbit/s
95th percentile per-packet one-way delay: 327.753 ms
Loss rate: 6.83%
```

Run 4: Report of Verus — Data Link

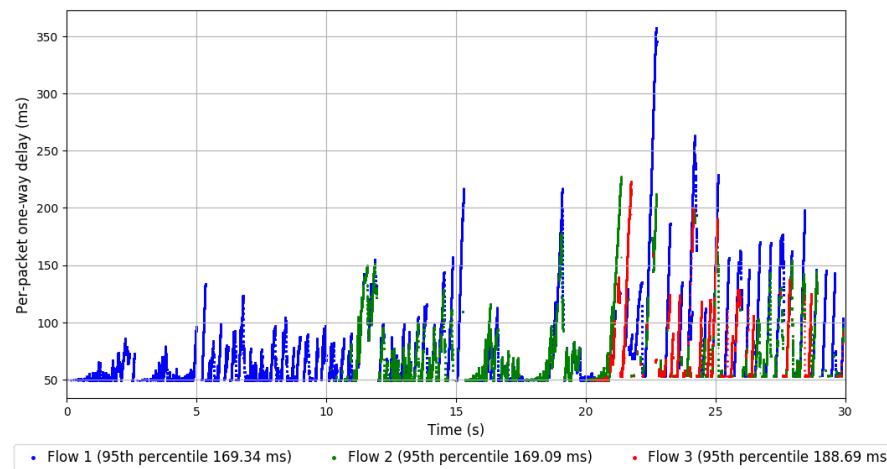
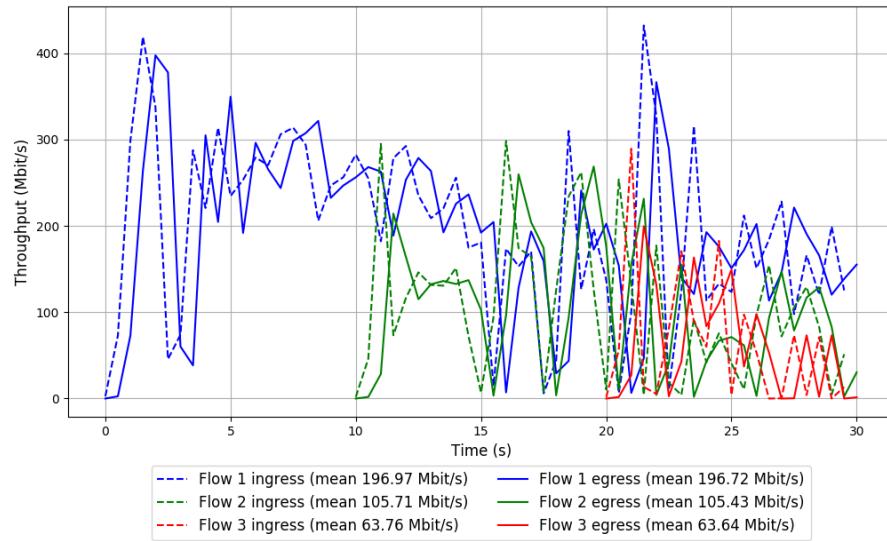


Run 5: Statistics of Verus

```
Start at: 2018-07-12 18:31:29
End at: 2018-07-12 18:31:59
Local clock offset: -0.511 ms
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-07-12 23:44:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 287.75 Mbit/s
95th percentile per-packet one-way delay: 172.138 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 196.72 Mbit/s
95th percentile per-packet one-way delay: 169.339 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 105.43 Mbit/s
95th percentile per-packet one-way delay: 169.095 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 63.64 Mbit/s
95th percentile per-packet one-way delay: 188.688 ms
Loss rate: 1.26%
```

Run 5: Report of Verus — Data Link

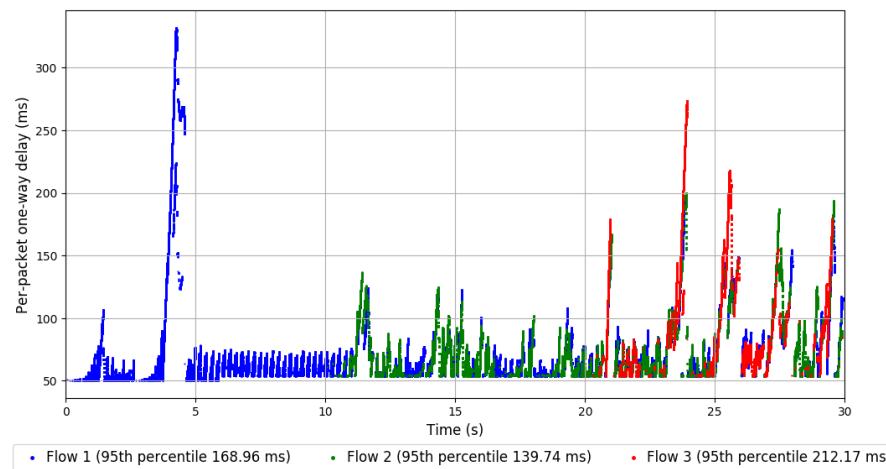
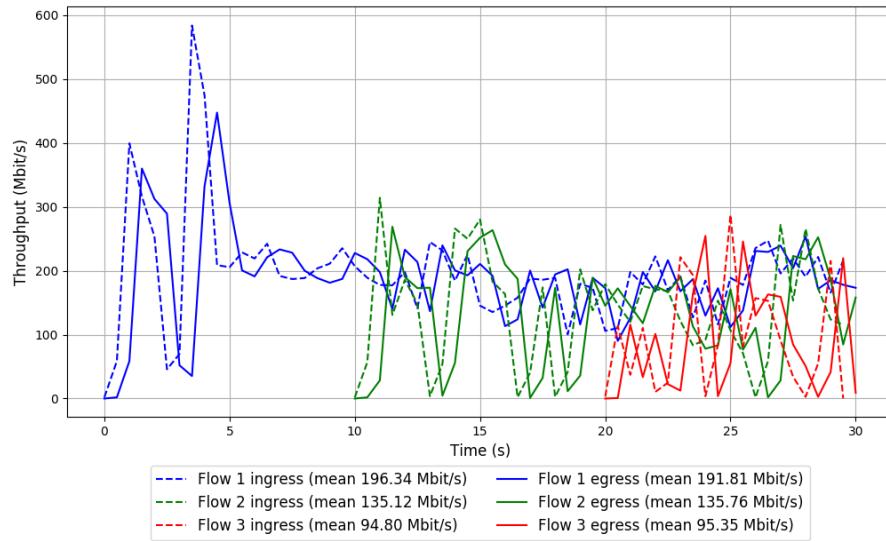


Run 6: Statistics of Verus

```
Start at: 2018-07-12 18:56:34
End at: 2018-07-12 18:57:04
Local clock offset: 0.458 ms
Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2018-07-12 23:44:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 313.21 Mbit/s
95th percentile per-packet one-way delay: 162.977 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 191.81 Mbit/s
95th percentile per-packet one-way delay: 168.961 ms
Loss rate: 2.62%
-- Flow 2:
Average throughput: 135.76 Mbit/s
95th percentile per-packet one-way delay: 139.739 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 212.173 ms
Loss rate: 0.52%
```

Run 6: Report of Verus — Data Link

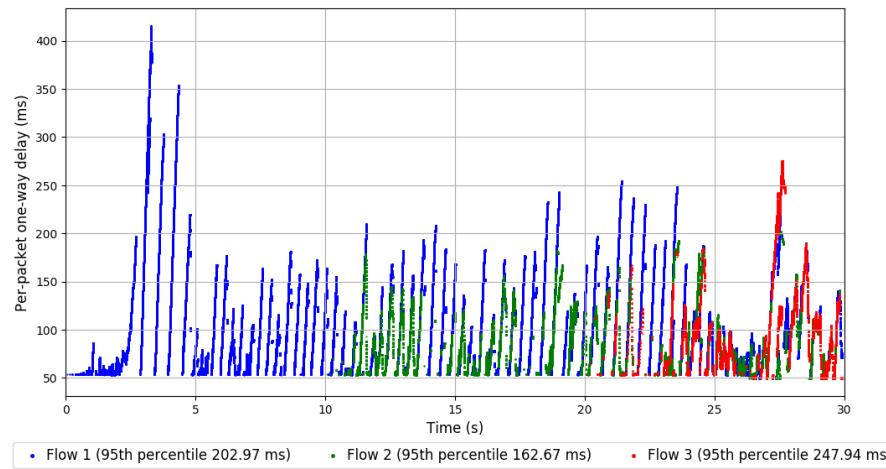
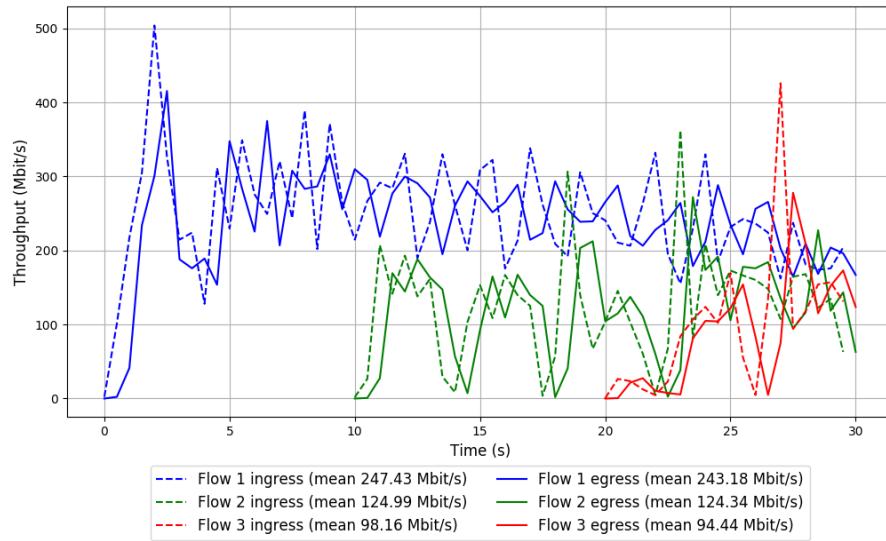


Run 7: Statistics of Verus

```
Start at: 2018-07-12 19:21:53
End at: 2018-07-12 19:22:23
Local clock offset: -0.071 ms
Remote clock offset: 0.124 ms

# Below is generated by plot.py at 2018-07-12 23:47:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 356.51 Mbit/s
95th percentile per-packet one-way delay: 195.165 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 243.18 Mbit/s
95th percentile per-packet one-way delay: 202.966 ms
Loss rate: 2.14%
-- Flow 2:
Average throughput: 124.34 Mbit/s
95th percentile per-packet one-way delay: 162.673 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 247.935 ms
Loss rate: 5.02%
```

Run 7: Report of Verus — Data Link

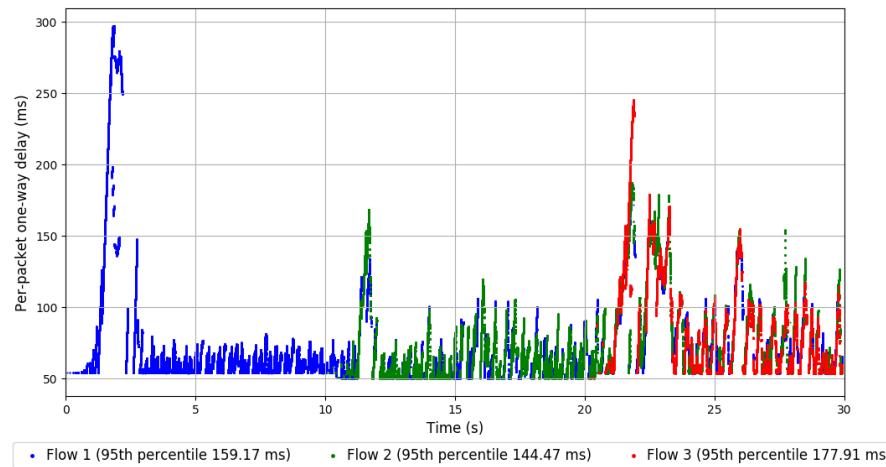
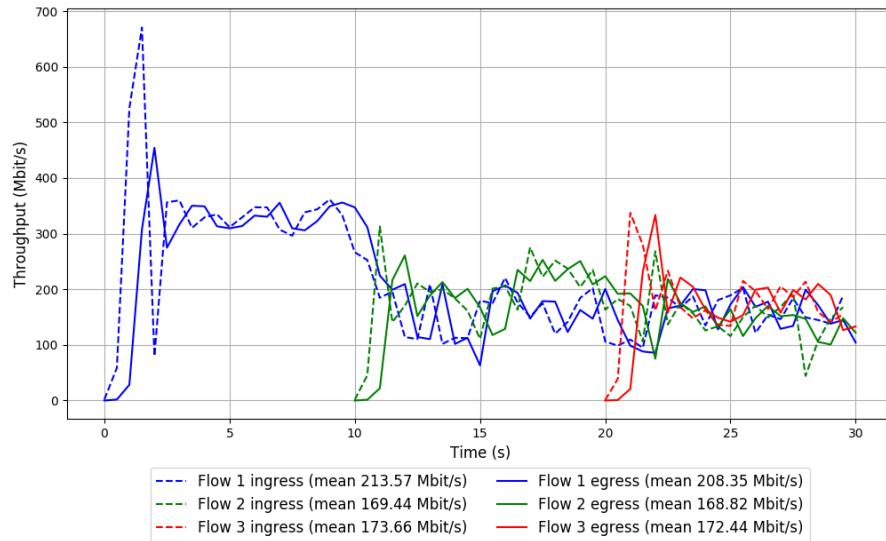


Run 8: Statistics of Verus

```
Start at: 2018-07-12 19:47:29
End at: 2018-07-12 19:47:59
Local clock offset: 0.207 ms
Remote clock offset: -0.153 ms

# Below is generated by plot.py at 2018-07-12 23:48:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 377.14 Mbit/s
95th percentile per-packet one-way delay: 153.567 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 208.35 Mbit/s
95th percentile per-packet one-way delay: 159.171 ms
Loss rate: 2.79%
-- Flow 2:
Average throughput: 168.82 Mbit/s
95th percentile per-packet one-way delay: 144.471 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 172.44 Mbit/s
95th percentile per-packet one-way delay: 177.907 ms
Loss rate: 1.73%
```

Run 8: Report of Verus — Data Link

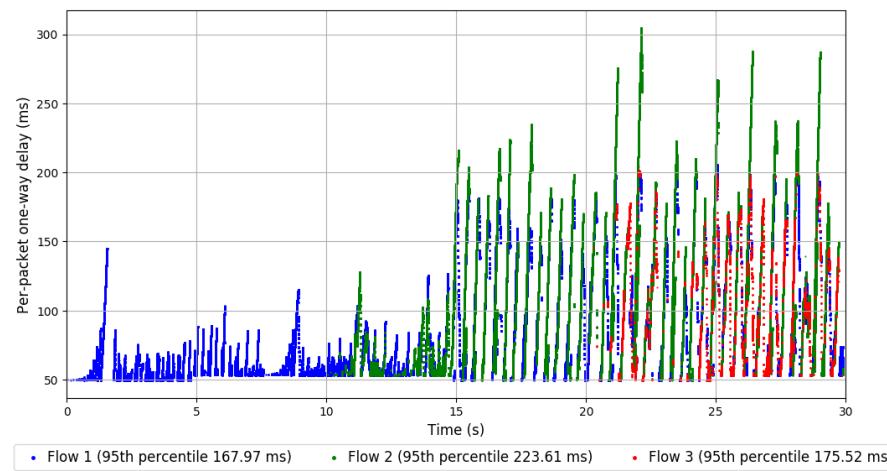
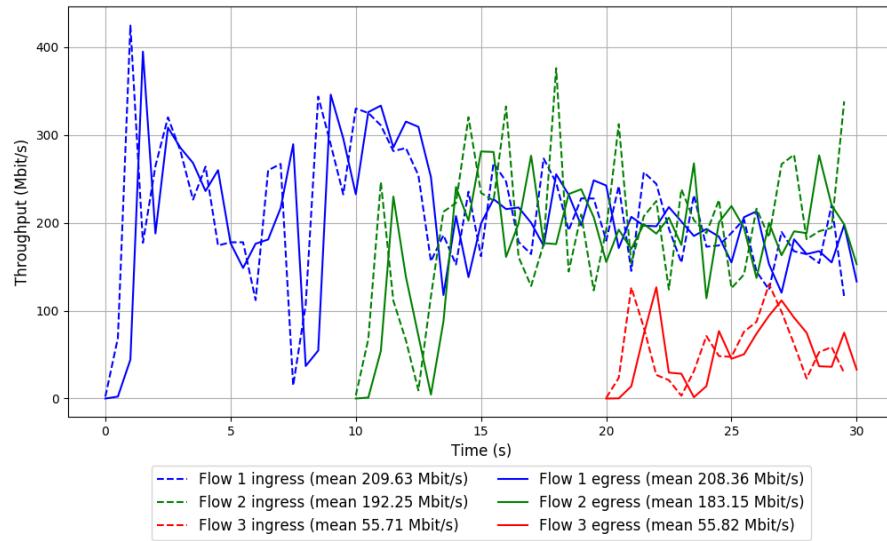


Run 9: Statistics of Verus

```
Start at: 2018-07-12 20:12:45
End at: 2018-07-12 20:13:15
Local clock offset: -0.131 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2018-07-12 23:49:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.33 Mbit/s
95th percentile per-packet one-way delay: 192.901 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 208.36 Mbit/s
95th percentile per-packet one-way delay: 167.971 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 183.15 Mbit/s
95th percentile per-packet one-way delay: 223.608 ms
Loss rate: 5.27%
-- Flow 3:
Average throughput: 55.82 Mbit/s
95th percentile per-packet one-way delay: 175.517 ms
Loss rate: 0.96%
```

Run 9: Report of Verus — Data Link

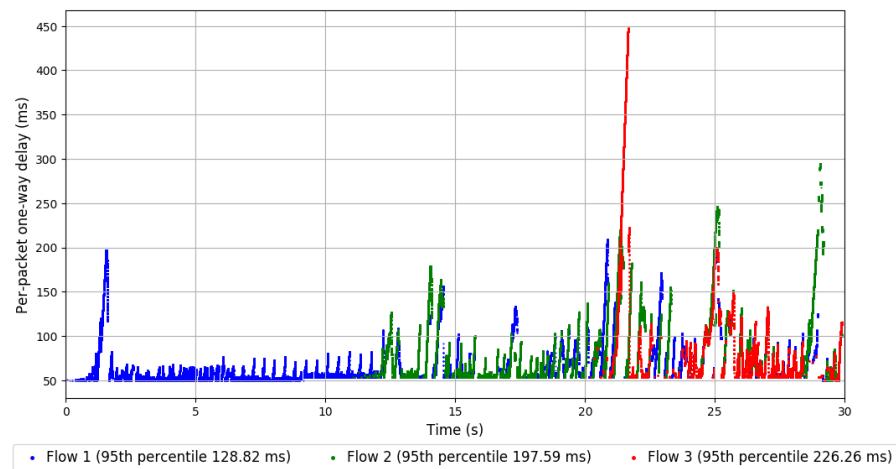
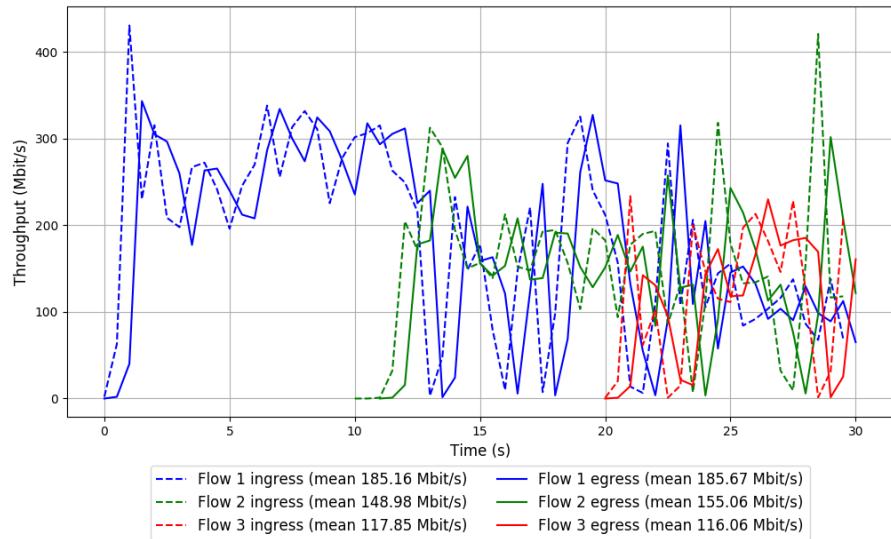


Run 10: Statistics of Verus

```
Start at: 2018-07-12 20:38:01
End at: 2018-07-12 20:38:31
Local clock offset: 0.067 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-07-12 23:49:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 321.14 Mbit/s
95th percentile per-packet one-way delay: 158.550 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 185.67 Mbit/s
95th percentile per-packet one-way delay: 128.825 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 155.06 Mbit/s
95th percentile per-packet one-way delay: 197.587 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 116.06 Mbit/s
95th percentile per-packet one-way delay: 226.265 ms
Loss rate: 2.91%
```

Run 10: Report of Verus — Data Link

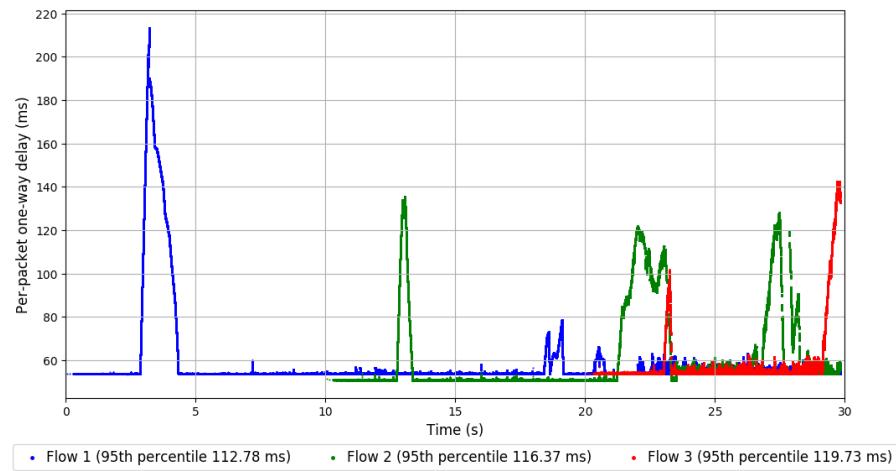
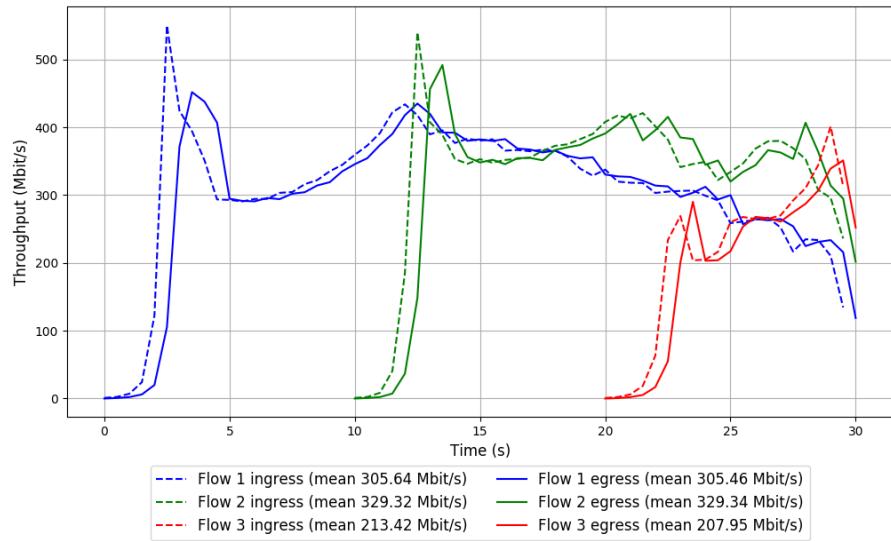


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-07-12 16:36:06
End at: 2018-07-12 16:36:36
Local clock offset: 0.036 ms
Remote clock offset: -0.27 ms

# Below is generated by plot.py at 2018-07-12 23:54:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 592.20 Mbit/s
95th percentile per-packet one-way delay: 116.382 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 305.46 Mbit/s
95th percentile per-packet one-way delay: 112.776 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 329.34 Mbit/s
95th percentile per-packet one-way delay: 116.371 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 207.95 Mbit/s
95th percentile per-packet one-way delay: 119.729 ms
Loss rate: 3.64%
```

Run 1: Report of PCC-Vivace — Data Link

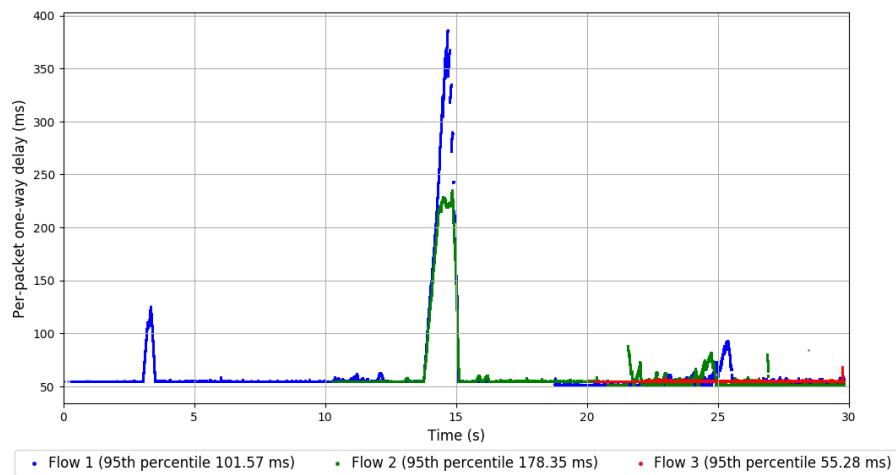
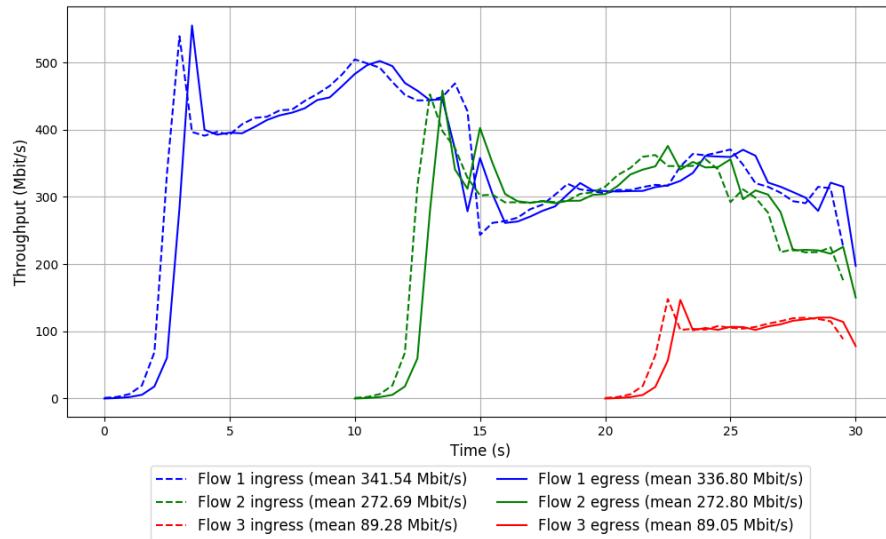


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-07-12 17:00:59
End at: 2018-07-12 17:01:29
Local clock offset: -0.27 ms
Remote clock offset: -1.334 ms

# Below is generated by plot.py at 2018-07-12 23:54:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 547.12 Mbit/s
95th percentile per-packet one-way delay: 110.842 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 336.80 Mbit/s
95th percentile per-packet one-way delay: 101.568 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 272.80 Mbit/s
95th percentile per-packet one-way delay: 178.353 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 89.05 Mbit/s
95th percentile per-packet one-way delay: 55.280 ms
Loss rate: 1.32%
```

Run 2: Report of PCC-Vivace — Data Link

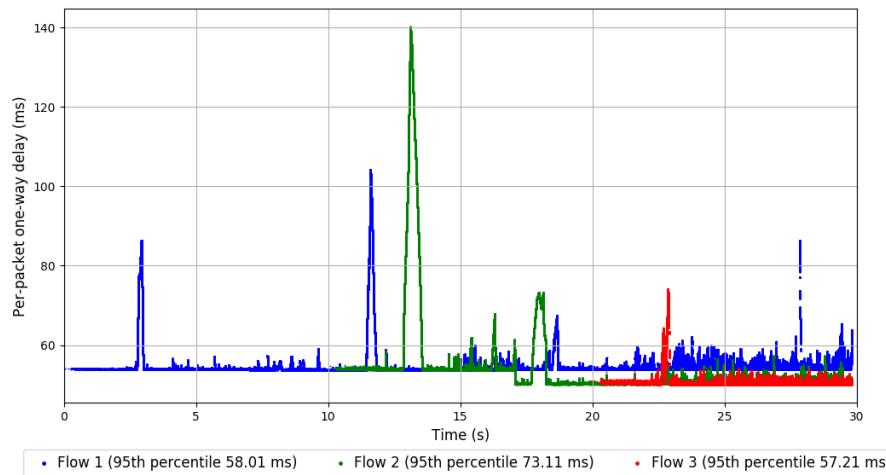
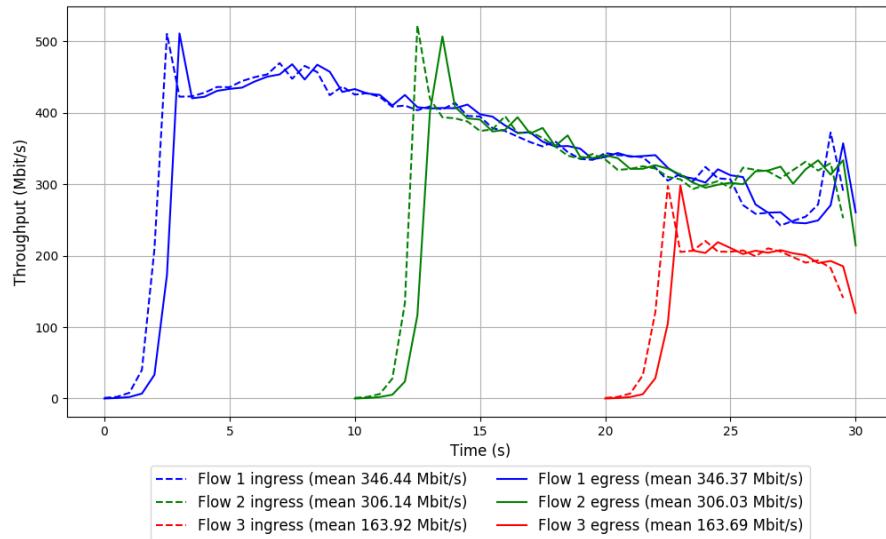


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-07-12 17:28:33
End at: 2018-07-12 17:29:03
Local clock offset: -0.049 ms
Remote clock offset: -0.374 ms

# Below is generated by plot.py at 2018-07-12 23:54:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 603.15 Mbit/s
95th percentile per-packet one-way delay: 61.395 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 346.37 Mbit/s
95th percentile per-packet one-way delay: 58.009 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 306.03 Mbit/s
95th percentile per-packet one-way delay: 73.115 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 163.69 Mbit/s
95th percentile per-packet one-way delay: 57.209 ms
Loss rate: 1.21%
```

Run 3: Report of PCC-Vivace — Data Link

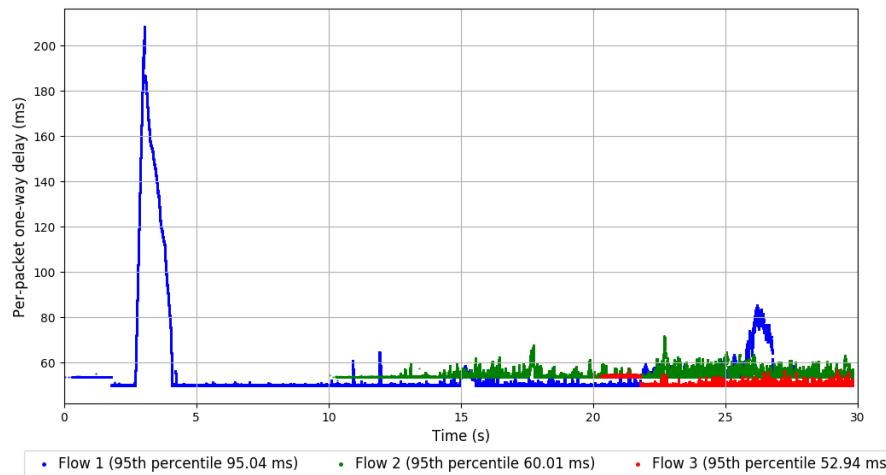
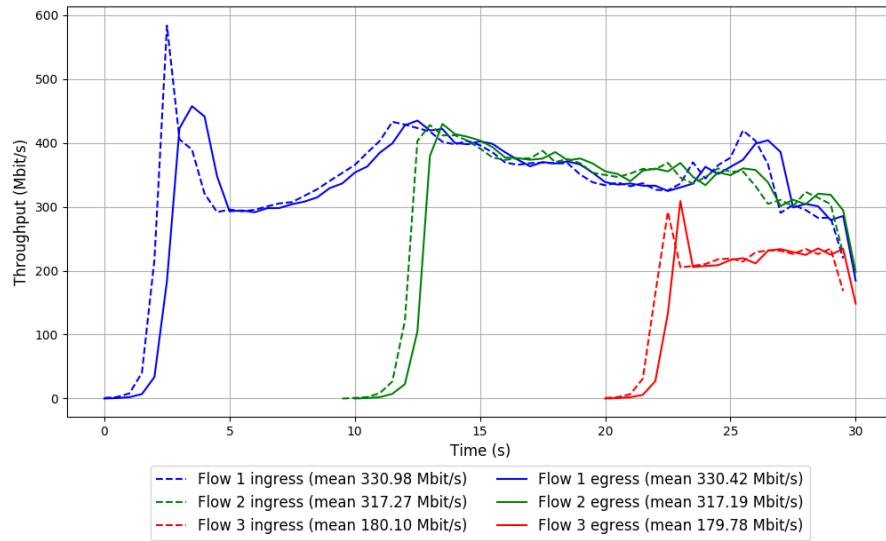


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-07-12 17:55:18
End at: 2018-07-12 17:55:48
Local clock offset: -0.043 ms
Remote clock offset: -0.288 ms

# Below is generated by plot.py at 2018-07-12 23:56:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 599.99 Mbit/s
95th percentile per-packet one-way delay: 70.244 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 330.42 Mbit/s
95th percentile per-packet one-way delay: 95.036 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 317.19 Mbit/s
95th percentile per-packet one-way delay: 60.011 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 179.78 Mbit/s
95th percentile per-packet one-way delay: 52.944 ms
Loss rate: 1.24%
```

Run 4: Report of PCC-Vivace — Data Link

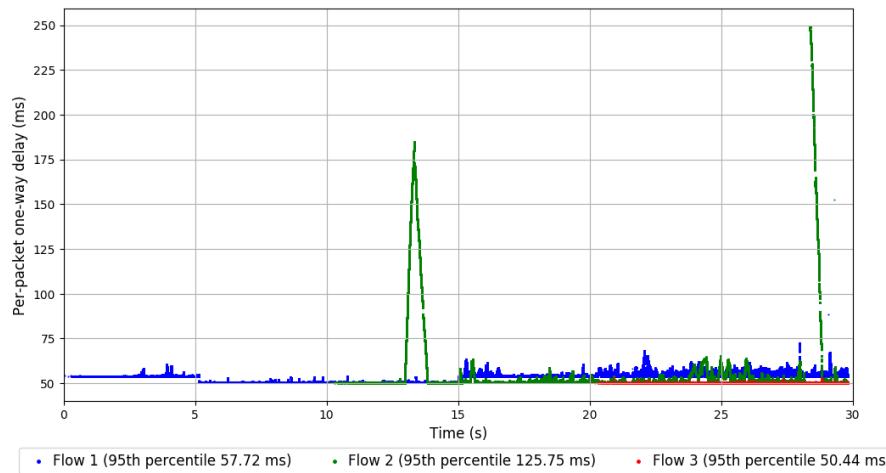
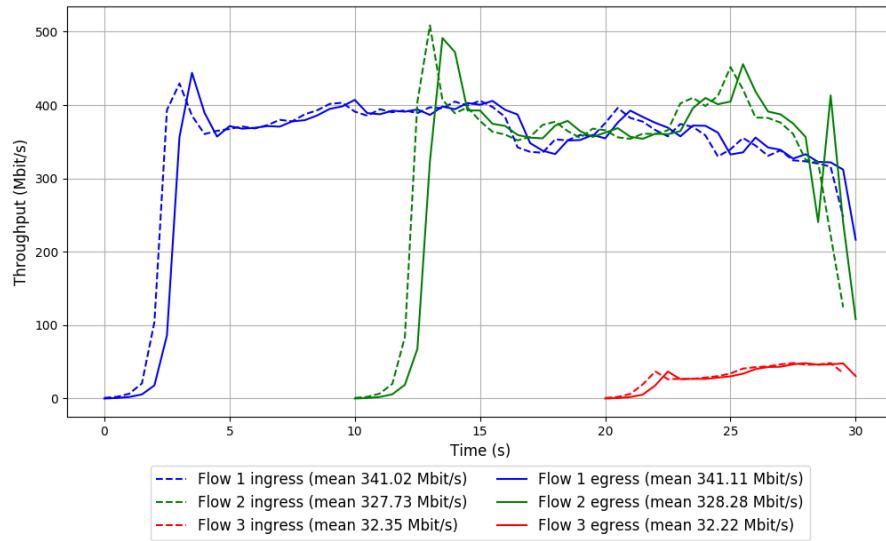


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-07-12 18:20:04
End at: 2018-07-12 18:20:34
Local clock offset: 0.279 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-07-12 23:58:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 569.53 Mbit/s
95th percentile per-packet one-way delay: 60.964 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 341.11 Mbit/s
95th percentile per-packet one-way delay: 57.715 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 328.28 Mbit/s
95th percentile per-packet one-way delay: 125.746 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 32.22 Mbit/s
95th percentile per-packet one-way delay: 50.435 ms
Loss rate: 1.43%
```

Run 5: Report of PCC-Vivace — Data Link

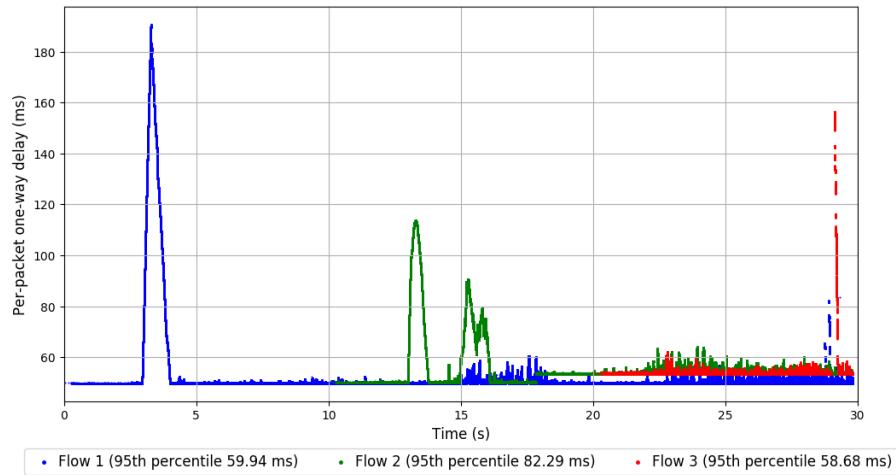
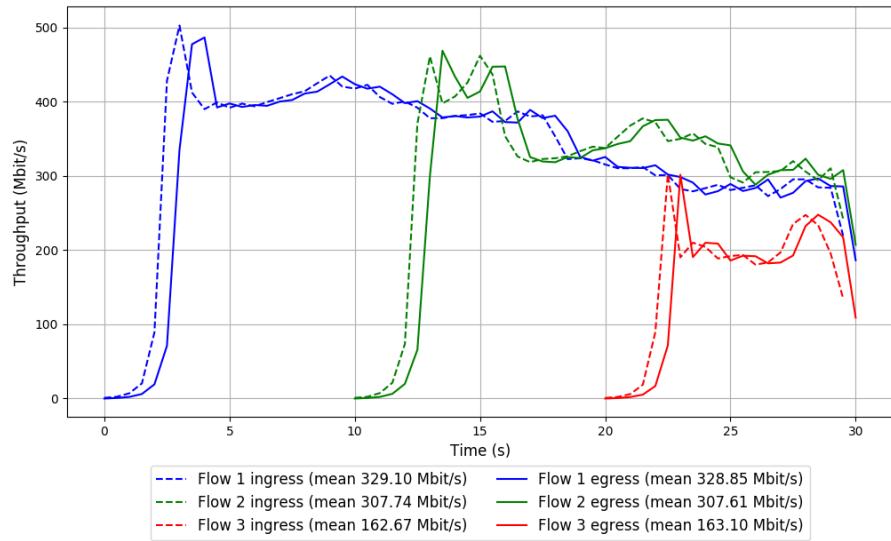


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-07-12 18:45:10
End at: 2018-07-12 18:45:40
Local clock offset: -0.141 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-07-12 23:58:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 586.39 Mbit/s
95th percentile per-packet one-way delay: 74.763 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 328.85 Mbit/s
95th percentile per-packet one-way delay: 59.939 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 307.61 Mbit/s
95th percentile per-packet one-way delay: 82.290 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 163.10 Mbit/s
95th percentile per-packet one-way delay: 58.684 ms
Loss rate: 0.80%
```

Run 6: Report of PCC-Vivace — Data Link

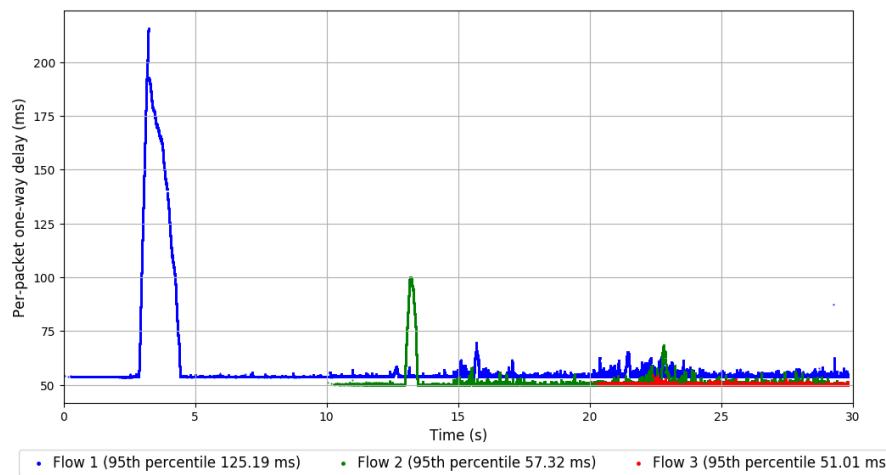
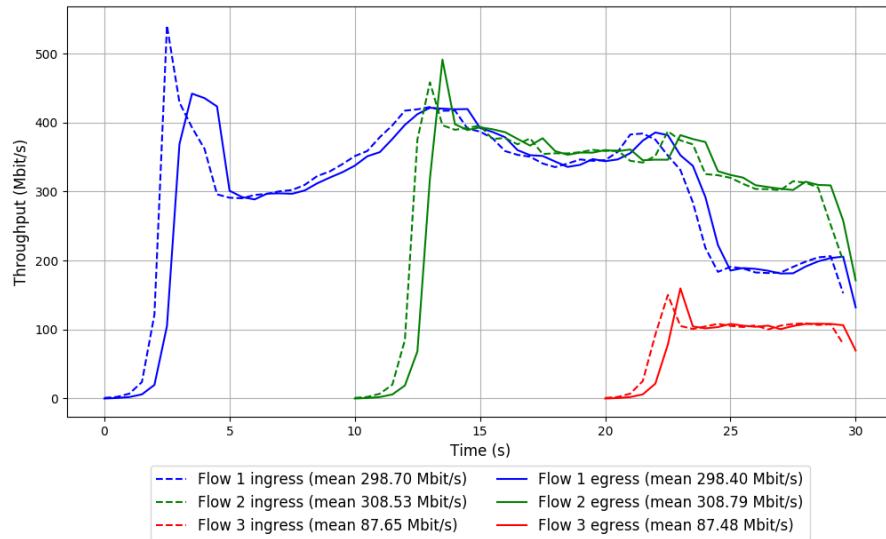


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-07-12 19:10:39
End at: 2018-07-12 19:11:09
Local clock offset: -0.023 ms
Remote clock offset: -0.233 ms

# Below is generated by plot.py at 2018-07-12 23:58:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 532.14 Mbit/s
95th percentile per-packet one-way delay: 74.259 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 298.40 Mbit/s
95th percentile per-packet one-way delay: 125.188 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 308.79 Mbit/s
95th percentile per-packet one-way delay: 57.322 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 51.007 ms
Loss rate: 1.22%
```

Run 7: Report of PCC-Vivace — Data Link

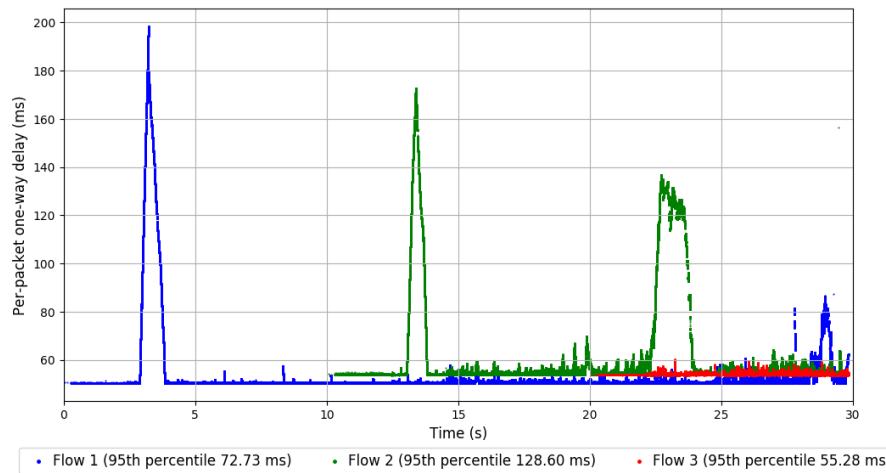
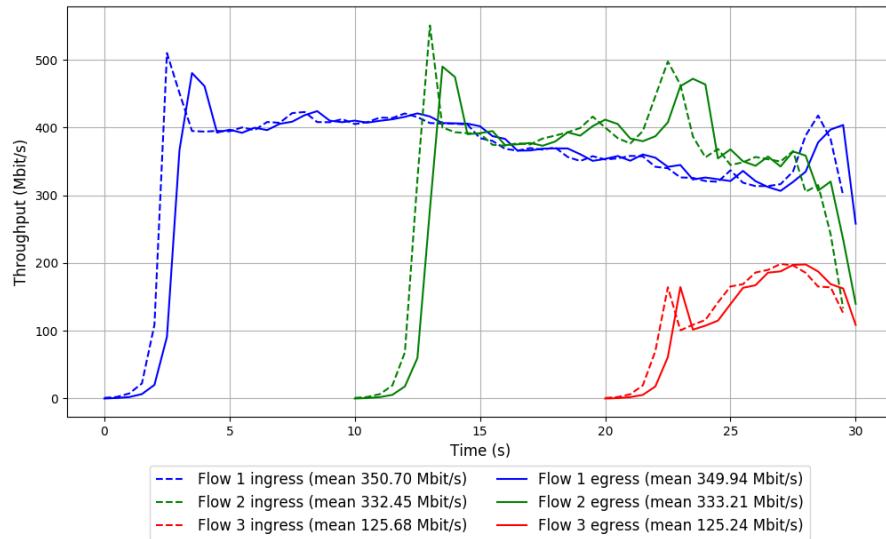


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-07-12 19:35:57
End at: 2018-07-12 19:36:27
Local clock offset: 0.107 ms
Remote clock offset: -0.139 ms

# Below is generated by plot.py at 2018-07-12 23:59:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 612.07 Mbit/s
95th percentile per-packet one-way delay: 116.962 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 349.94 Mbit/s
95th percentile per-packet one-way delay: 72.732 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 333.21 Mbit/s
95th percentile per-packet one-way delay: 128.600 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 125.24 Mbit/s
95th percentile per-packet one-way delay: 55.285 ms
Loss rate: 1.42%
```

Run 8: Report of PCC-Vivace — Data Link

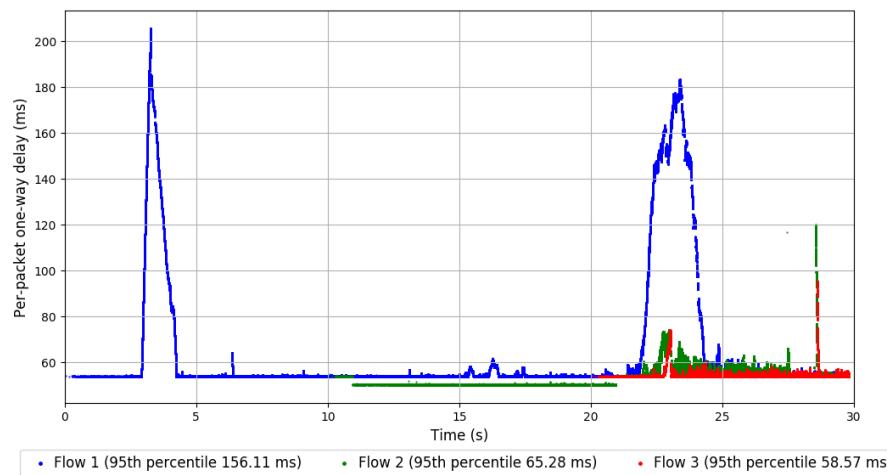
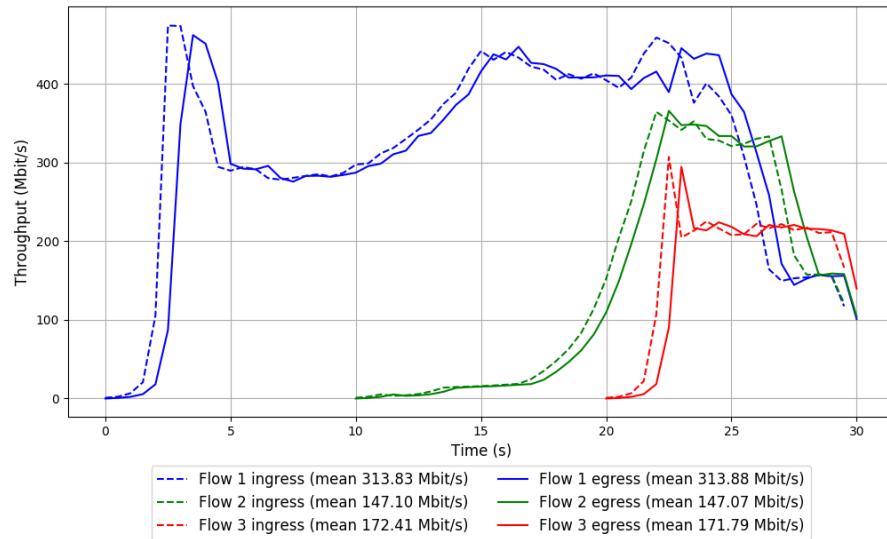


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-07-12 20:01:29
End at: 2018-07-12 20:01:59
Local clock offset: 0.249 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-07-12 23:59:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 467.78 Mbit/s
95th percentile per-packet one-way delay: 148.316 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 313.88 Mbit/s
95th percentile per-packet one-way delay: 156.113 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 147.07 Mbit/s
95th percentile per-packet one-way delay: 65.282 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 171.79 Mbit/s
95th percentile per-packet one-way delay: 58.566 ms
Loss rate: 1.49%
```

Run 9: Report of PCC-Vivace — Data Link

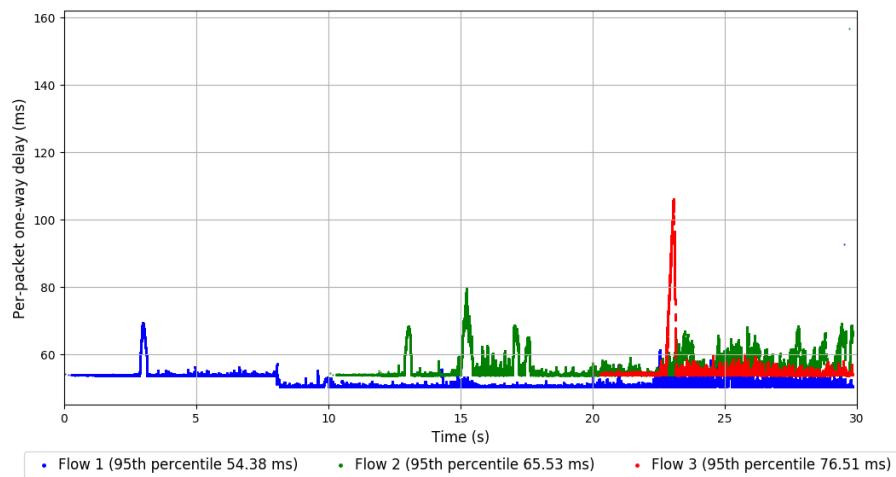
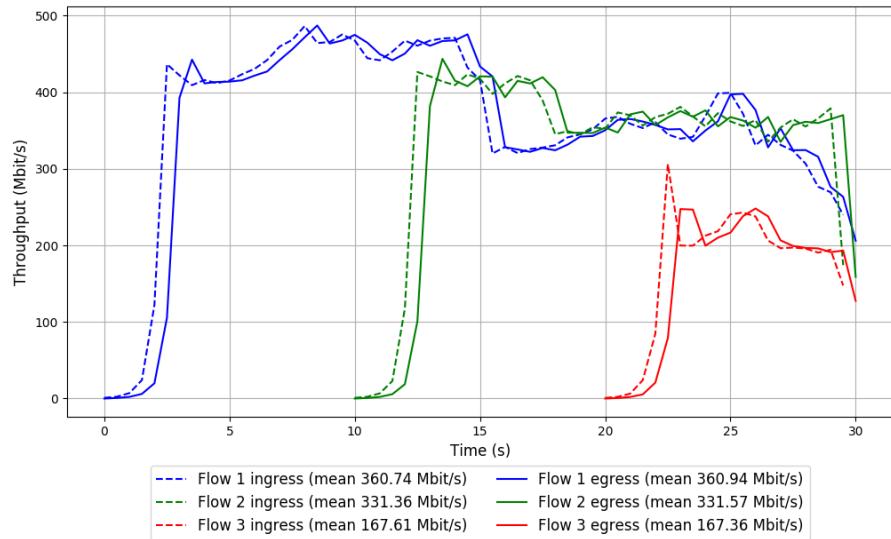


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-07-12 20:26:32
End at: 2018-07-12 20:27:02
Local clock offset: 0.23 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-07-13 00:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 635.80 Mbit/s
95th percentile per-packet one-way delay: 62.128 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 360.94 Mbit/s
95th percentile per-packet one-way delay: 54.379 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 331.57 Mbit/s
95th percentile per-packet one-way delay: 65.534 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 167.36 Mbit/s
95th percentile per-packet one-way delay: 76.513 ms
Loss rate: 1.25%
```

Run 10: Report of PCC-Vivace — Data Link

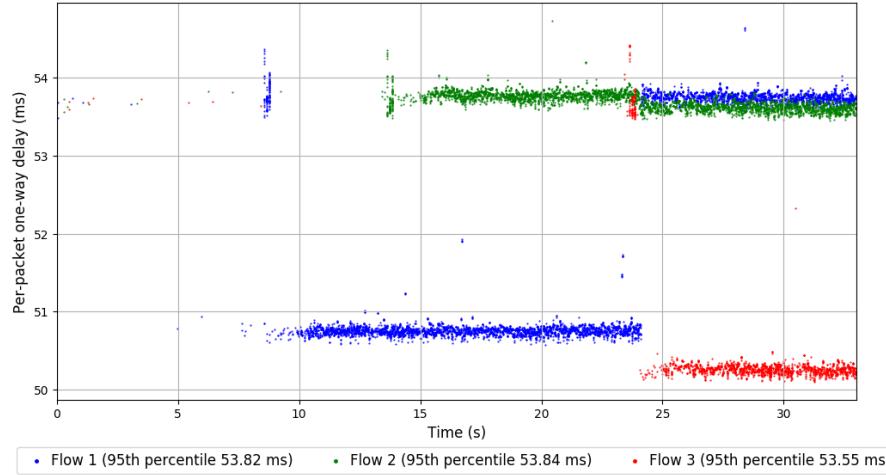
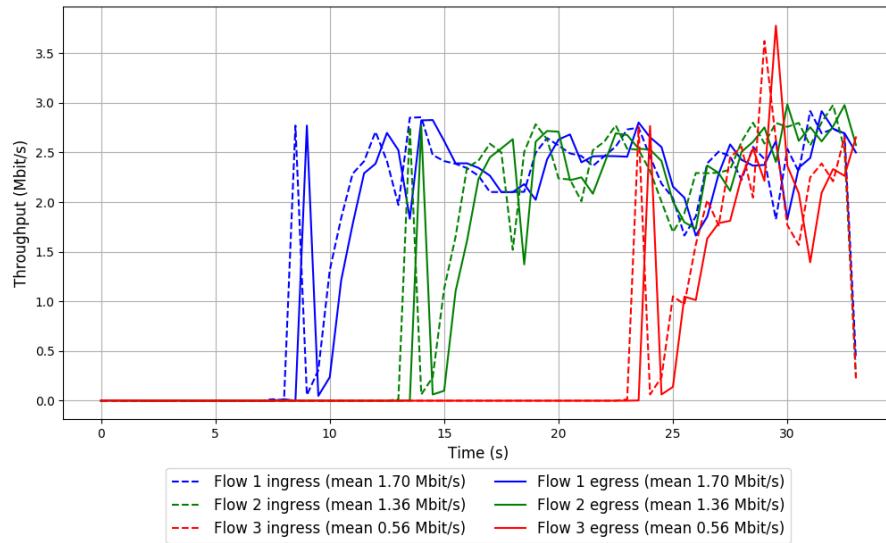


Run 1: Statistics of WebRTC media

```
Start at: 2018-07-12 16:43:19
End at: 2018-07-12 16:43:49
Local clock offset: -0.016 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-07-13 00:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 53.828 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 53.817 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 53.844 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 53.545 ms
Loss rate: 1.57%
```

Run 1: Report of WebRTC media — Data Link

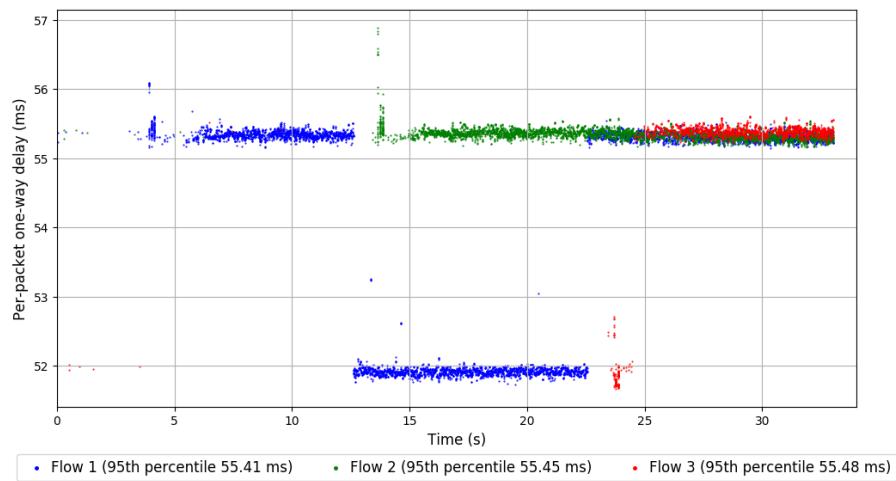
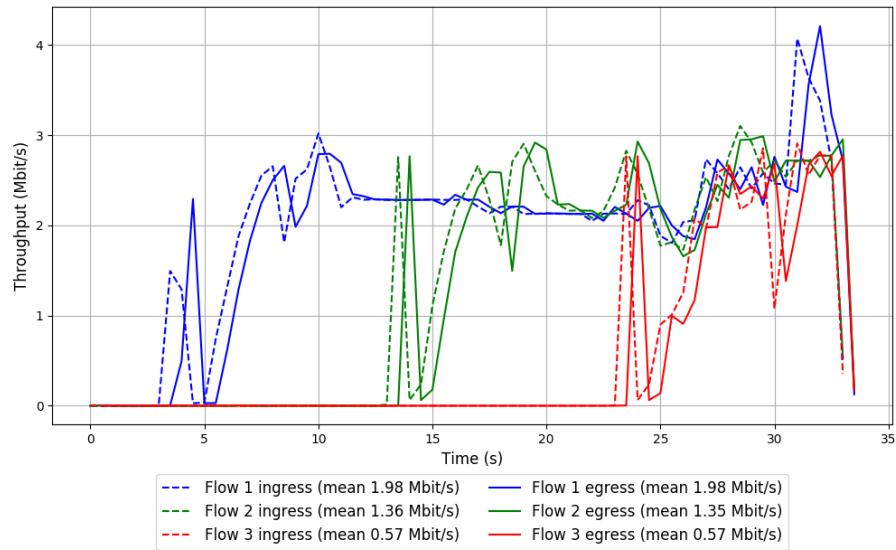


```
Run 2: Statistics of WebRTC media

Start at: 2018-07-12 17:09:08
End at: 2018-07-12 17:09:38
Local clock offset: 0.236 ms
Remote clock offset: -1.53 ms

# Below is generated by plot.py at 2018-07-13 00:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 55.442 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 55.407 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 55.445 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 55.476 ms
Loss rate: 1.54%
```

Run 2: Report of WebRTC media — Data Link

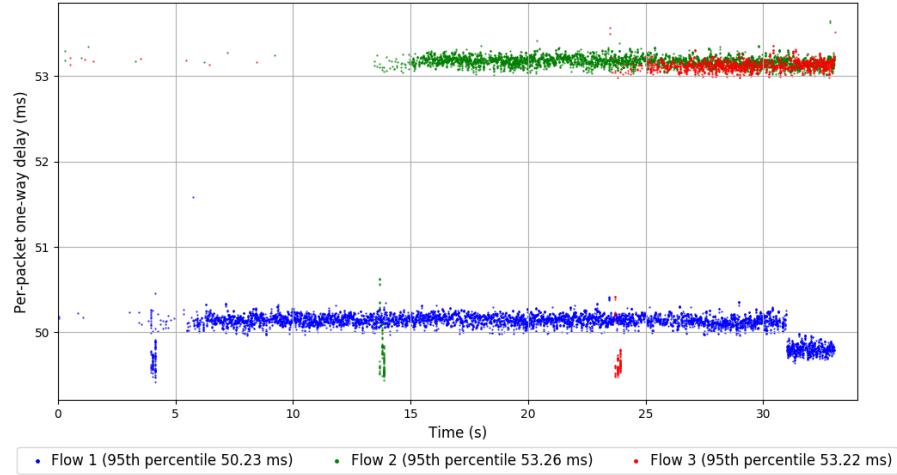
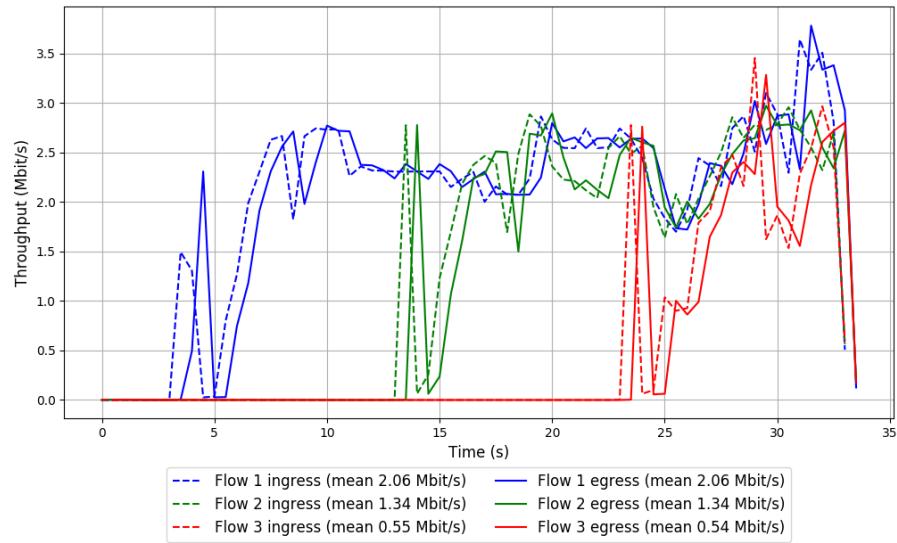


```
Run 3: Statistics of WebRTC media

Start at: 2018-07-12 17:37:12
End at: 2018-07-12 17:37:42
Local clock offset: -0.191 ms
Remote clock offset: 0.217 ms

# Below is generated by plot.py at 2018-07-13 00:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 53.227 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 50.235 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 53.260 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 53.216 ms
Loss rate: 1.65%
```

Run 3: Report of WebRTC media — Data Link

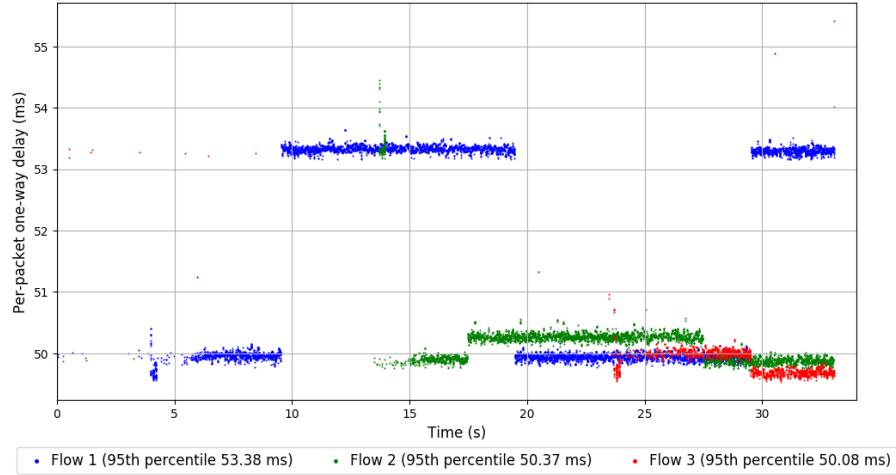
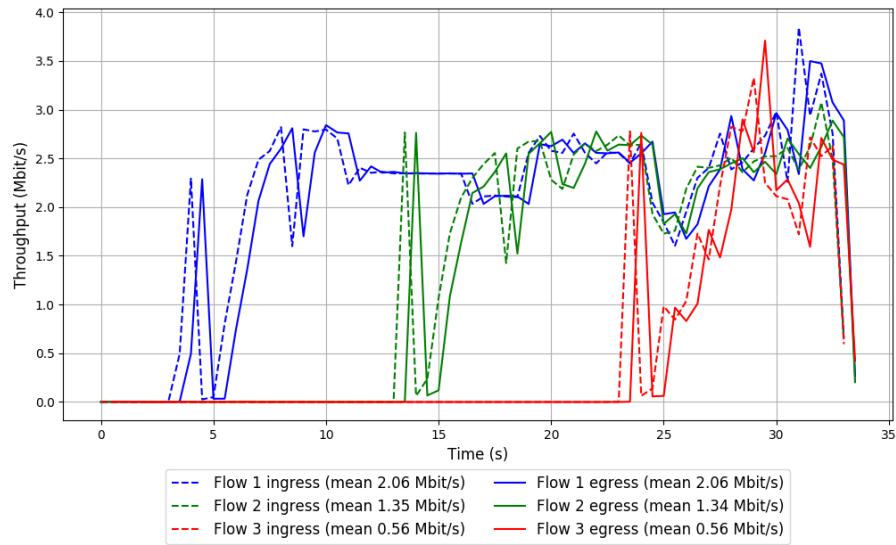


Run 4: Statistics of WebRTC media

```
Start at: 2018-07-12 18:02:33
End at: 2018-07-12 18:03:03
Local clock offset: 0.136 ms
Remote clock offset: 0.418 ms

# Below is generated by plot.py at 2018-07-13 00:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 53.363 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 53.384 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 50.369 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 50.084 ms
Loss rate: 1.56%
```

Run 4: Report of WebRTC media — Data Link

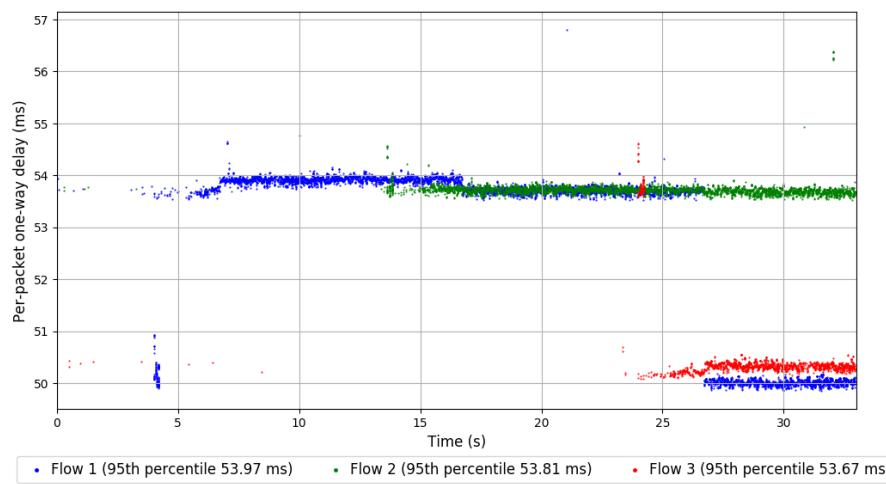
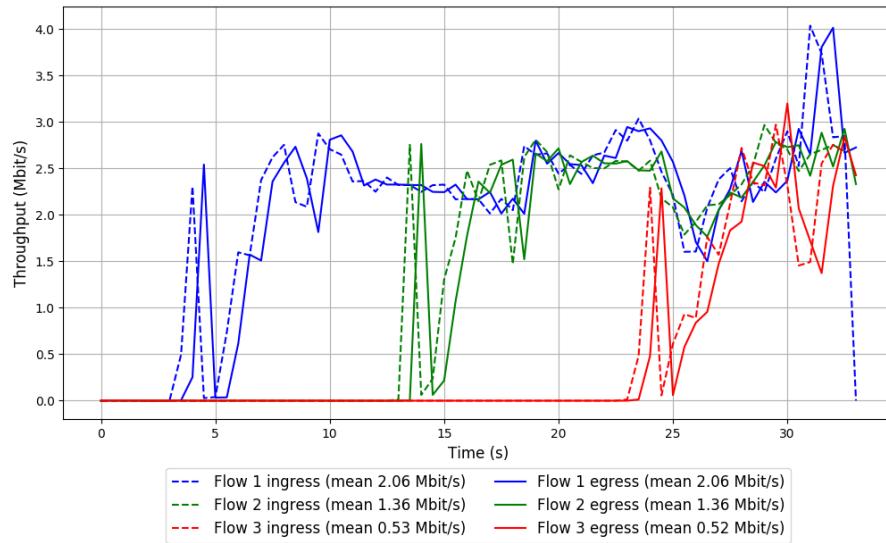


Run 5: Statistics of WebRTC media

```
Start at: 2018-07-12 18:27:26
End at: 2018-07-12 18:27:56
Local clock offset: 0.003 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-07-13 00:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 53.947 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 53.968 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 53.806 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 53.673 ms
Loss rate: 1.68%
```

Run 5: Report of WebRTC media — Data Link

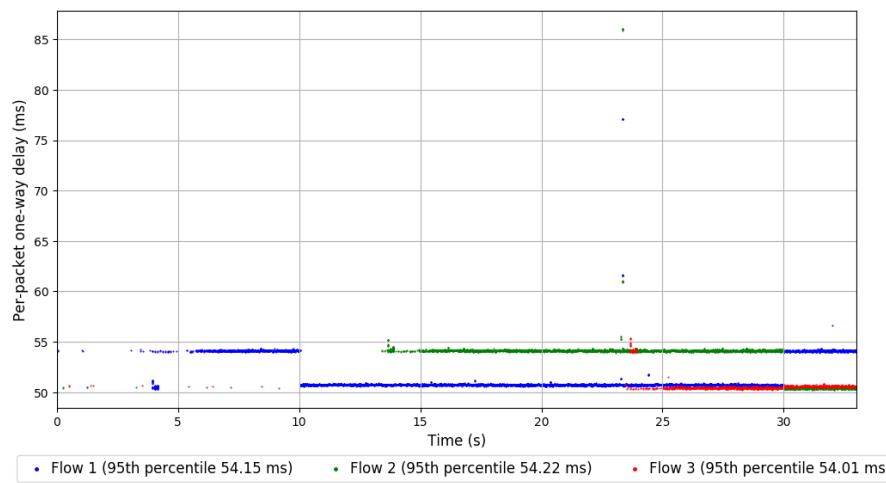
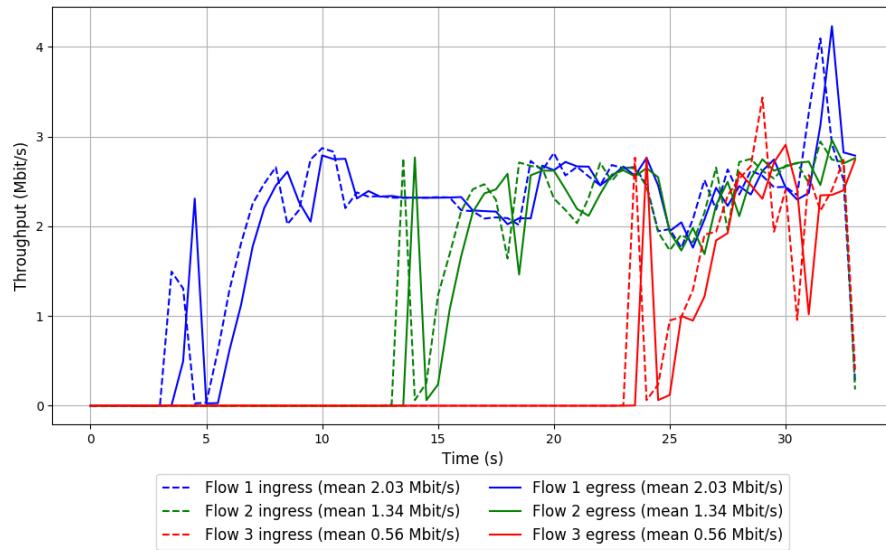


```
Run 6: Statistics of WebRTC media

Start at: 2018-07-12 18:52:33
End at: 2018-07-12 18:53:03
Local clock offset: 0.122 ms
Remote clock offset: -0.358 ms

# Below is generated by plot.py at 2018-07-13 00:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 54.182 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 54.151 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 54.217 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 54.006 ms
Loss rate: 1.58%
```

Run 6: Report of WebRTC media — Data Link

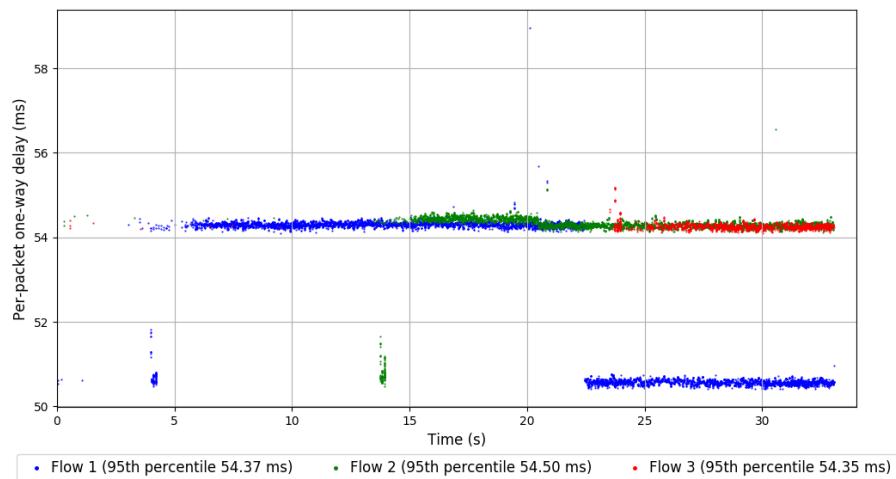
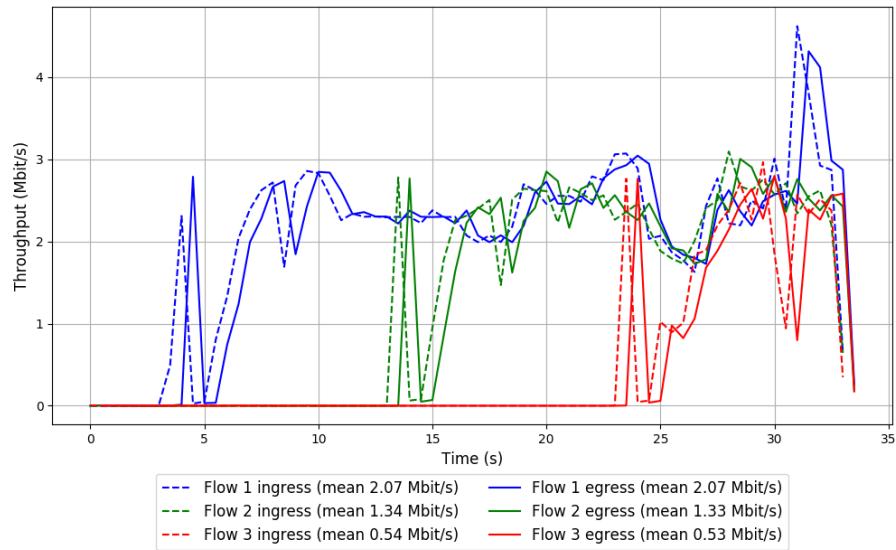


Run 7: Statistics of WebRTC media

```
Start at: 2018-07-12 19:18:00
End at: 2018-07-12 19:18:30
Local clock offset: 0.535 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2018-07-13 00:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 54.445 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 54.370 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 54.498 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 54.350 ms
Loss rate: 0.99%
```

Run 7: Report of WebRTC media — Data Link

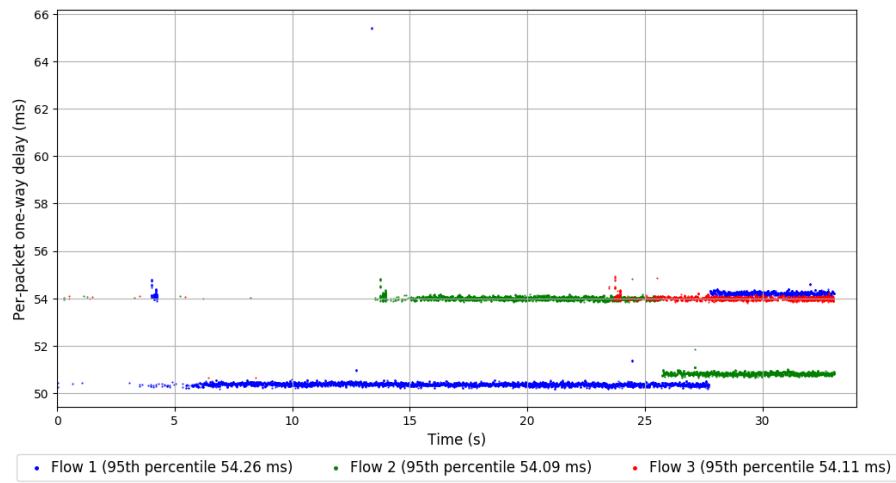
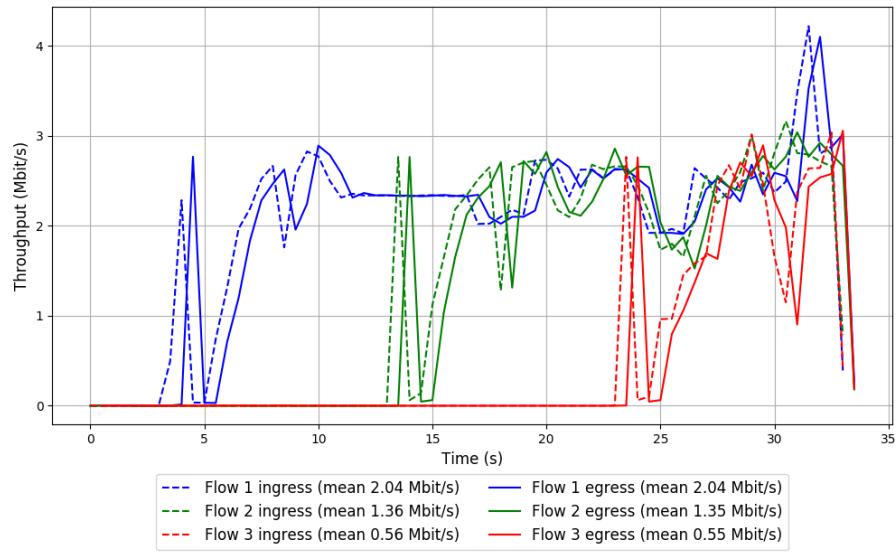


Run 8: Statistics of WebRTC media

```
Start at: 2018-07-12 19:43:25
End at: 2018-07-12 19:43:55
Local clock offset: 0.156 ms
Remote clock offset: -0.238 ms

# Below is generated by plot.py at 2018-07-13 00:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 54.227 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 54.255 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 54.089 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 54.109 ms
Loss rate: 1.64%
```

Run 8: Report of WebRTC media — Data Link

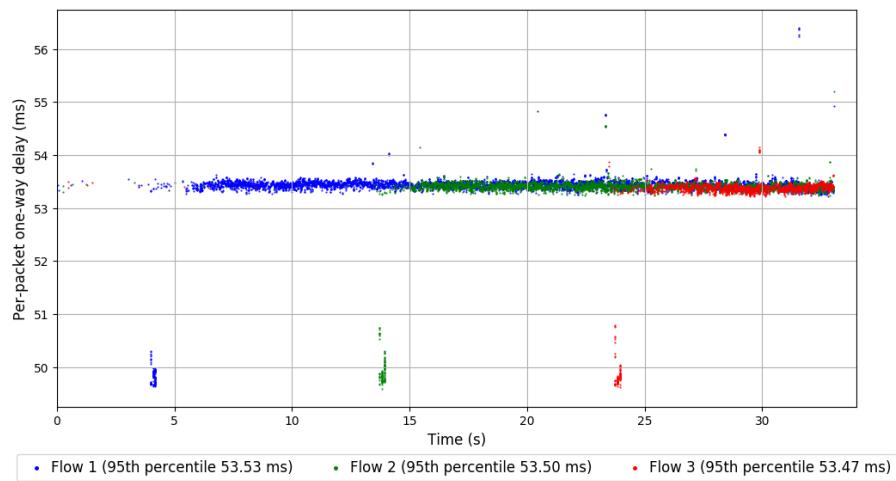
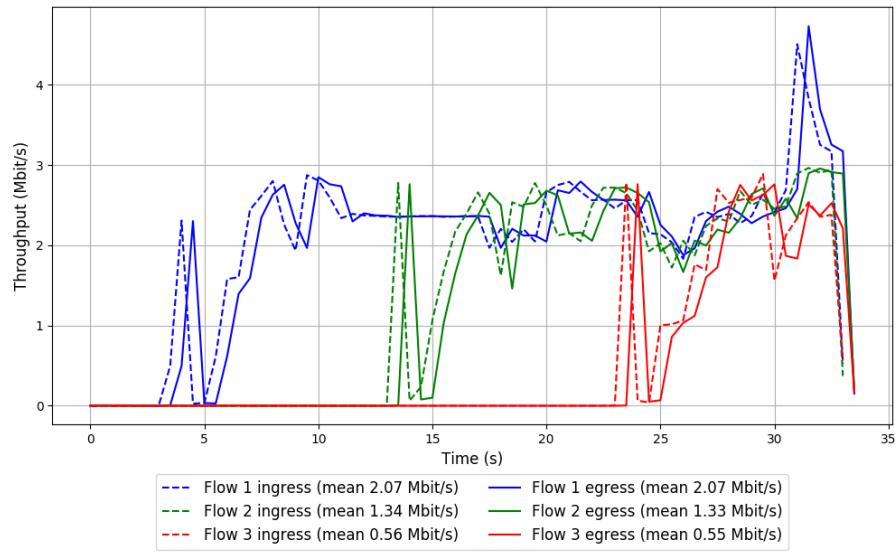


Run 9: Statistics of WebRTC media

```
Start at: 2018-07-12 20:08:41
End at: 2018-07-12 20:09:11
Local clock offset: -0.158 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-07-13 00:00:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 53.521 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 53.533 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 53.502 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 53.467 ms
Loss rate: 2.00%
```

Run 9: Report of WebRTC media — Data Link



```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-07-12 20:33:55
End at: 2018-07-12 20:34:25
Local clock offset: -0.022 ms
Remote clock offset: -0.419 ms

# Below is generated by plot.py at 2018-07-13 00:00:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 54.010 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 54.032 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 50.892 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 50.936 ms
Loss rate: 1.58%
```

Run 10: Report of WebRTC media — Data Link

