

Pantheon Report

Generated at 2018-06-01 16:13:57 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

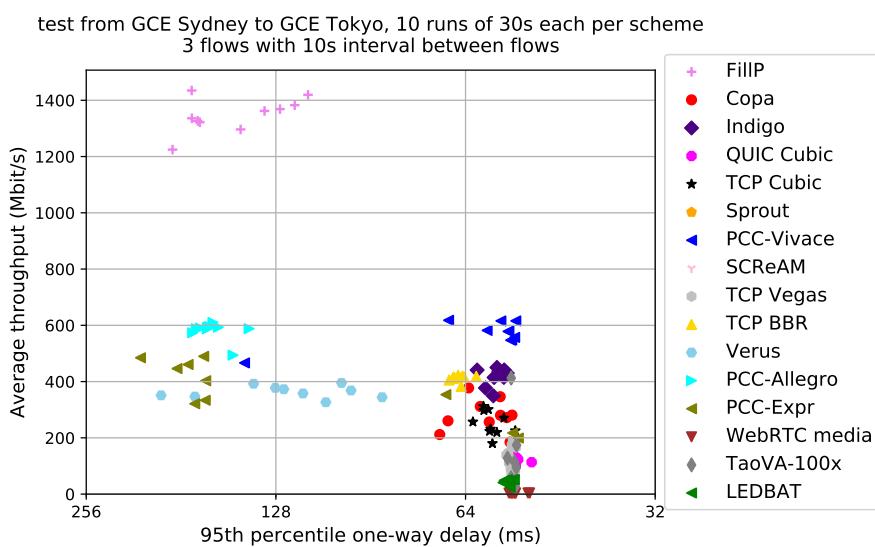
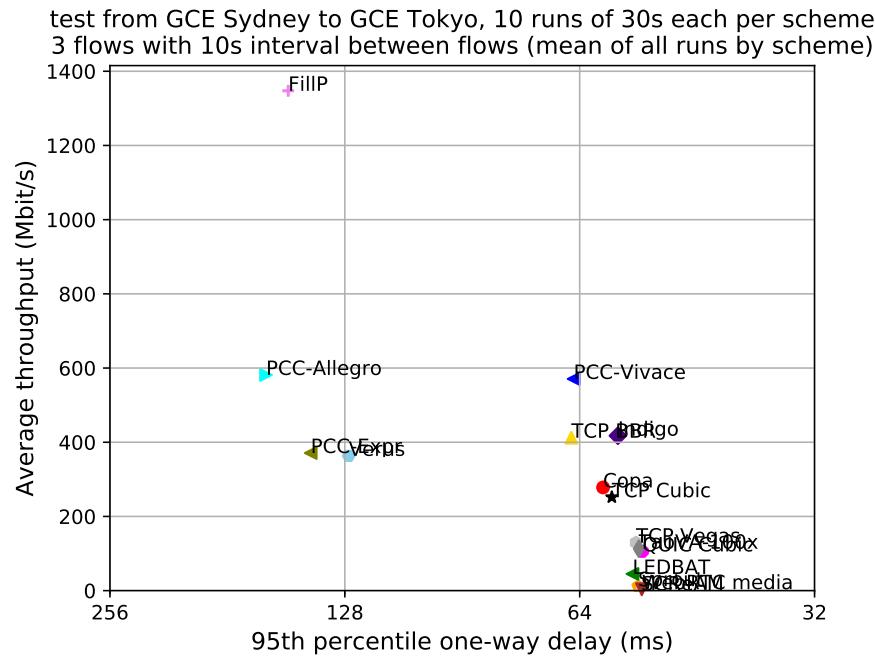
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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

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

Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



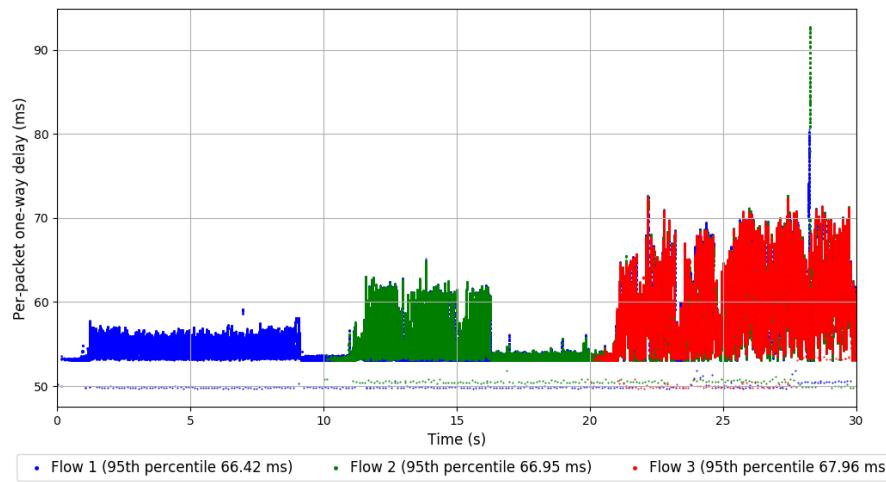
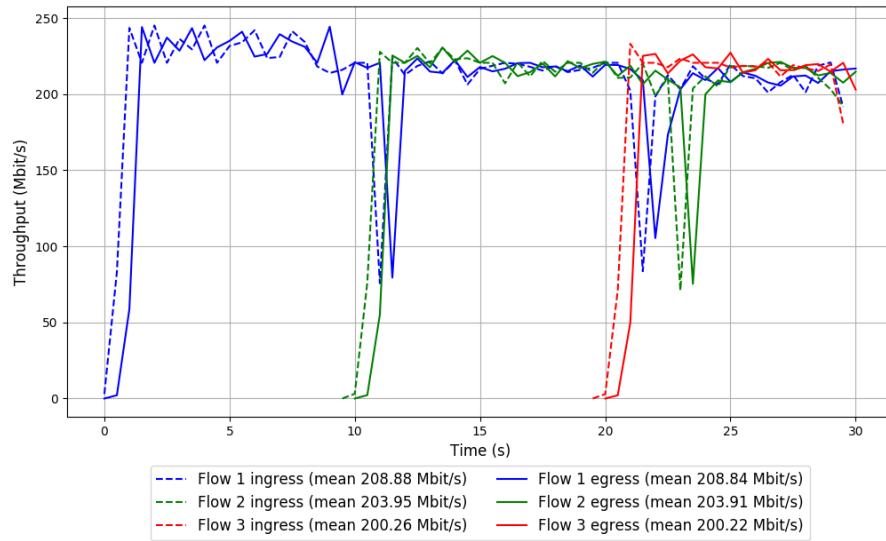
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	207.14	207.84	200.42	64.26	65.44	67.20	0.04	0.06	0.12
Copa	10	158.87	137.38	90.22	58.98	57.40	59.27	0.02	0.01	0.06
TCP Cubic	10	159.90	107.83	60.91	58.01	57.73	57.84	0.01	0.09	0.26
FillP	10	740.30	636.57	553.79	140.10	151.11	121.83	1.59	1.56	0.71
Indigo	10	214.59	220.10	175.94	56.48	57.31	58.15	0.02	0.02	0.05
LEDBAT	10	27.32	21.56	10.18	54.79	54.74	54.71	0.02	0.04	0.00
PCC-Allegro	10	538.26	47.03	36.10	161.57	157.91	145.73	0.95	0.78	1.26
PCC-Expr	10	214.20	197.47	76.91	127.34	121.22	104.22	2.80	3.35	3.09
QUIC Cubic	10	56.00	54.08	42.17	52.84	52.57	53.05	0.01	0.01	0.02
SCReAM	10	0.21	0.21	0.22	52.96	52.01	52.58	0.00	0.00	0.03
Sprout	10	6.17	6.02	5.56	53.86	53.87	53.81	0.00	0.00	0.06
TaoVA-100x	10	38.13	94.54	57.60	53.77	53.74	53.94	0.01	0.01	0.02
TCP Vegas	10	74.44	53.82	57.84	54.15	54.12	54.32	0.01	0.01	0.03
Verus	10	214.96	181.05	89.10	112.79	127.31	139.00	0.19	0.42	1.44
PCC-Vivace	10	341.84	279.74	129.76	70.99	54.42	61.85	0.14	0.01	0.01
WebRTC media	10	2.08	1.33	0.55	53.00	53.05	52.99	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-01 10:10:52
End at: 2018-06-01 10:11:22
Local clock offset: -0.183 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-06-01 14:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 411.41 Mbit/s
95th percentile per-packet one-way delay: 67.020 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 208.84 Mbit/s
95th percentile per-packet one-way delay: 66.423 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 203.91 Mbit/s
95th percentile per-packet one-way delay: 66.948 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 200.22 Mbit/s
95th percentile per-packet one-way delay: 67.958 ms
Loss rate: 0.03%
```

Run 1: Report of TCP BBR — Data Link

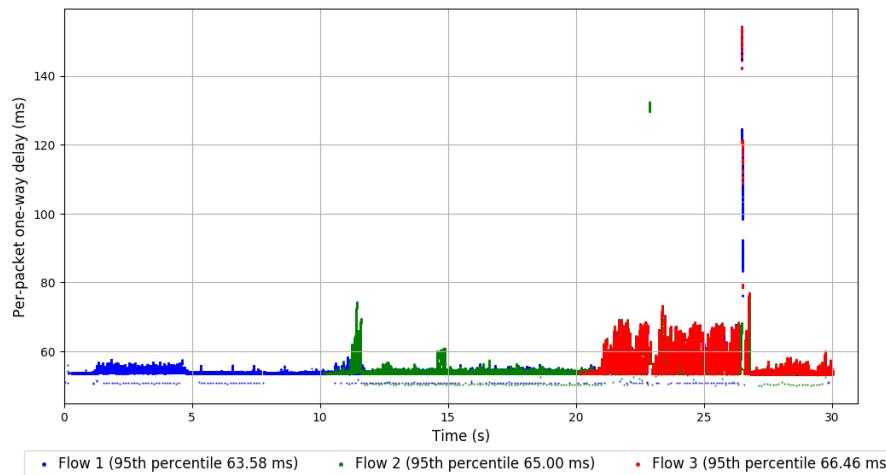
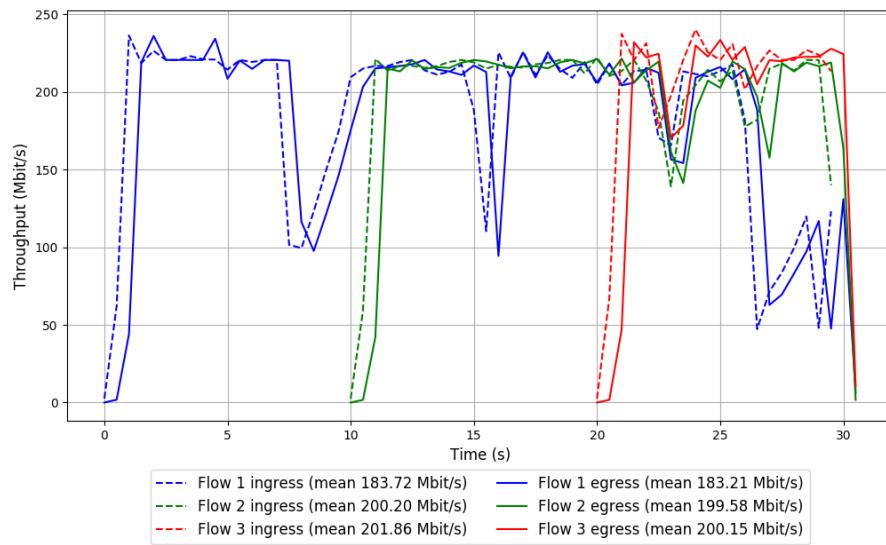


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-01 10:33:18
End at: 2018-06-01 10:33:48
Local clock offset: 0.089 ms
Remote clock offset: 0.335 ms

# Below is generated by plot.py at 2018-06-01 14:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 382.60 Mbit/s
95th percentile per-packet one-way delay: 65.026 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 183.21 Mbit/s
95th percentile per-packet one-way delay: 63.582 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 199.58 Mbit/s
95th percentile per-packet one-way delay: 64.996 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 200.15 Mbit/s
95th percentile per-packet one-way delay: 66.459 ms
Loss rate: 0.86%
```

Run 2: Report of TCP BBR — Data Link

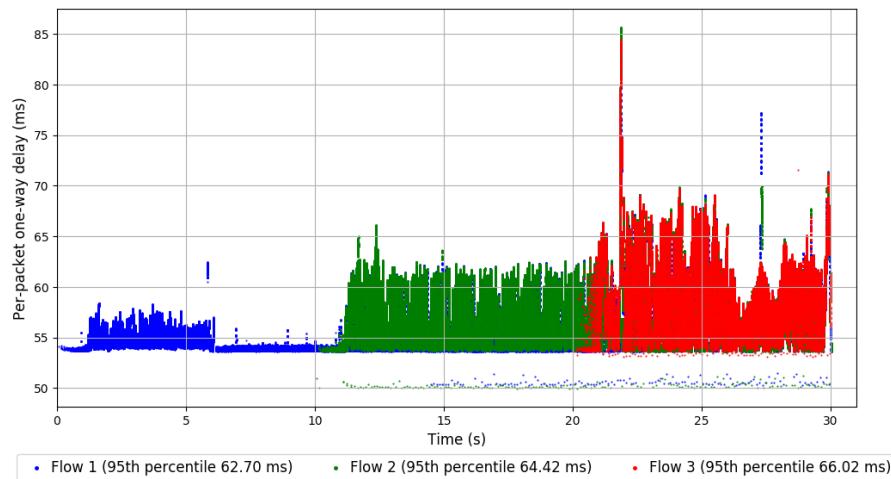
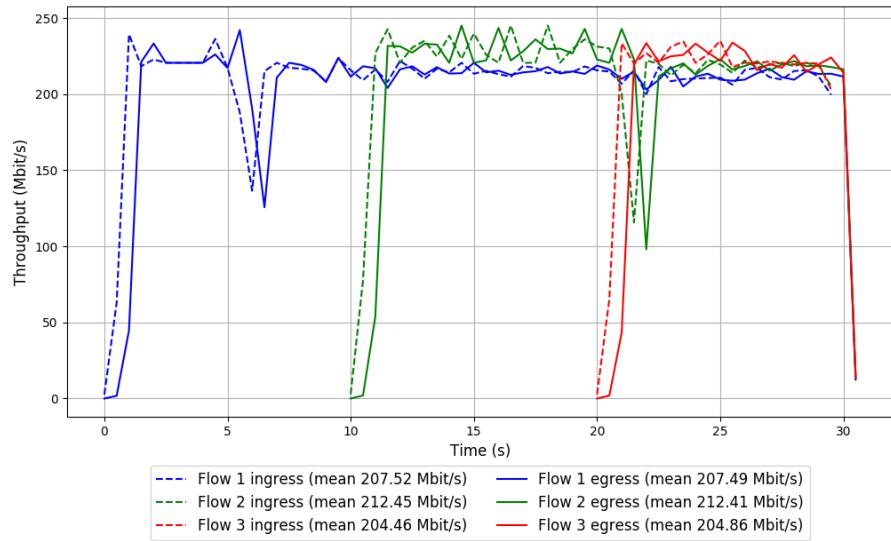


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-01 10:55:55
End at: 2018-06-01 10:56:25
Local clock offset: -0.206 ms
Remote clock offset: 13.791 ms

# Below is generated by plot.py at 2018-06-01 14:14:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 417.05 Mbit/s
95th percentile per-packet one-way delay: 64.376 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 207.49 Mbit/s
95th percentile per-packet one-way delay: 62.705 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 212.41 Mbit/s
95th percentile per-packet one-way delay: 64.420 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 204.86 Mbit/s
95th percentile per-packet one-way delay: 66.022 ms
Loss rate: 0.02%
```

Run 3: Report of TCP BBR — Data Link

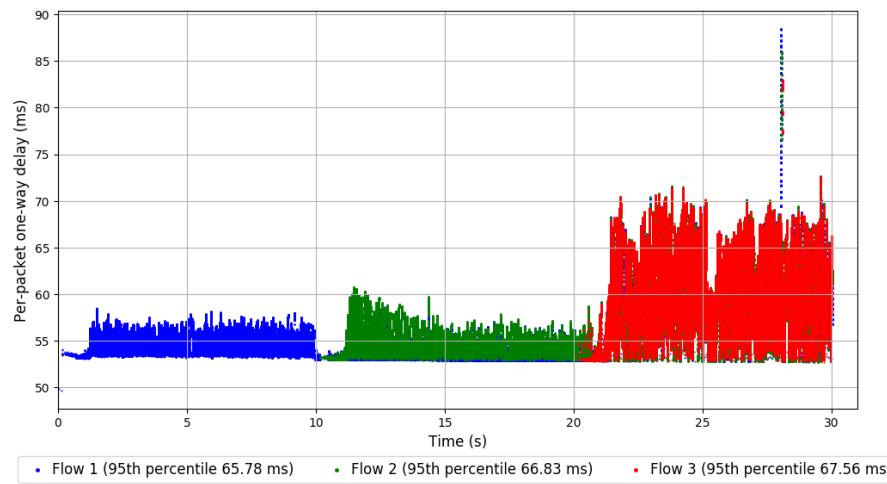
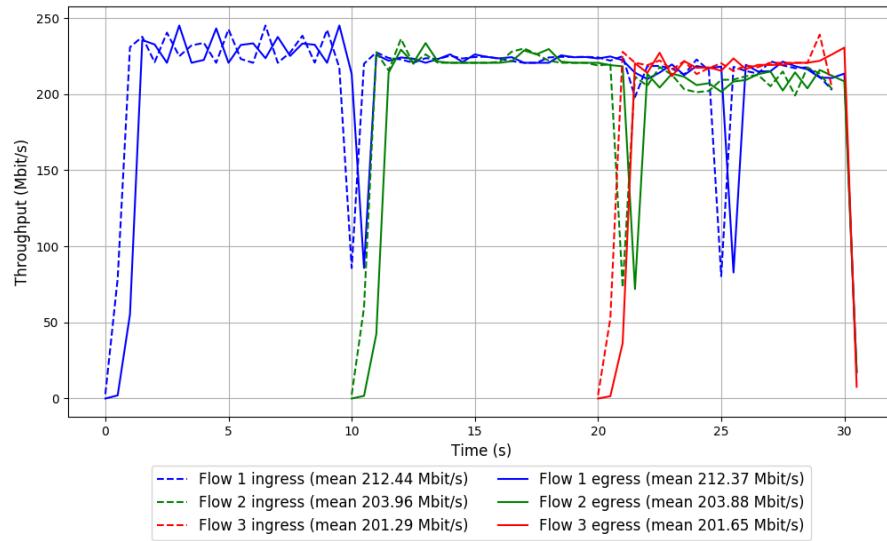


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-01 11:18:39
End at: 2018-06-01 11:19:09
Local clock offset: 0.242 ms
Remote clock offset: 27.298 ms

# Below is generated by plot.py at 2018-06-01 14:14:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 414.97 Mbit/s
95th percentile per-packet one-way delay: 66.680 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 212.37 Mbit/s
95th percentile per-packet one-way delay: 65.780 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 203.88 Mbit/s
95th percentile per-packet one-way delay: 66.829 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 201.65 Mbit/s
95th percentile per-packet one-way delay: 67.557 ms
Loss rate: 0.05%
```

Run 4: Report of TCP BBR — Data Link

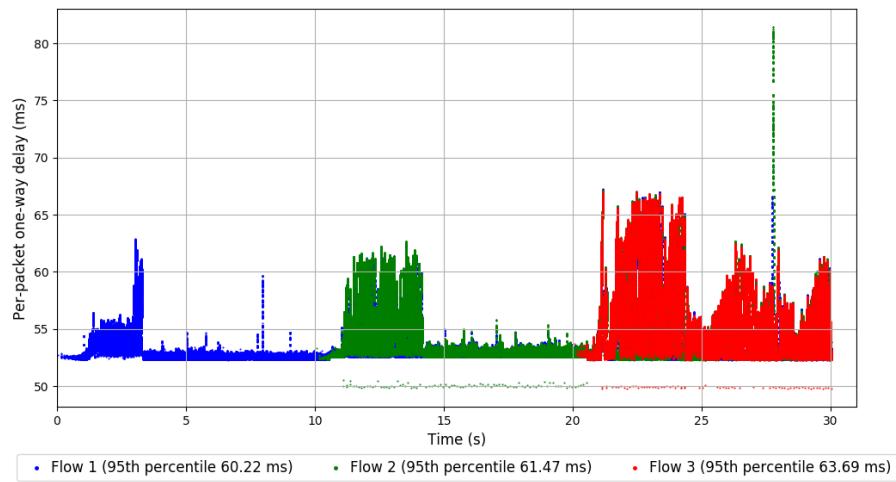
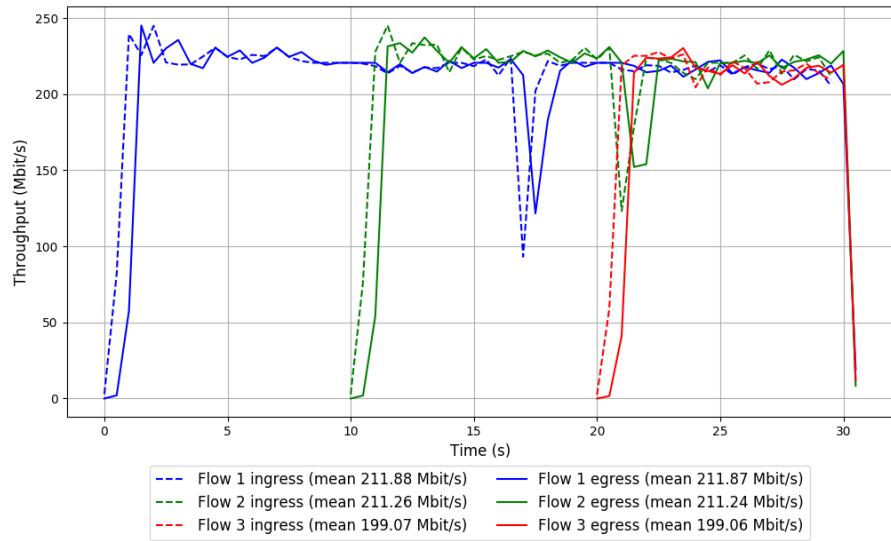


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-01 11:41:29
End at: 2018-06-01 11:41:59
Local clock offset: 0.12 ms
Remote clock offset: 11.053 ms

# Below is generated by plot.py at 2018-06-01 14:14:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 418.74 Mbit/s
95th percentile per-packet one-way delay: 61.537 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 211.87 Mbit/s
95th percentile per-packet one-way delay: 60.220 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 211.24 Mbit/s
95th percentile per-packet one-way delay: 61.473 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 199.06 Mbit/s
95th percentile per-packet one-way delay: 63.687 ms
Loss rate: 0.04%
```

Run 5: Report of TCP BBR — Data Link

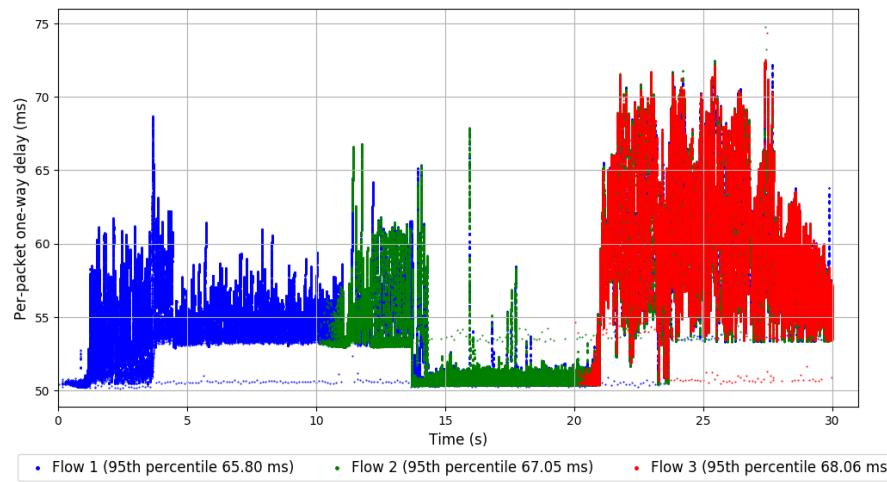
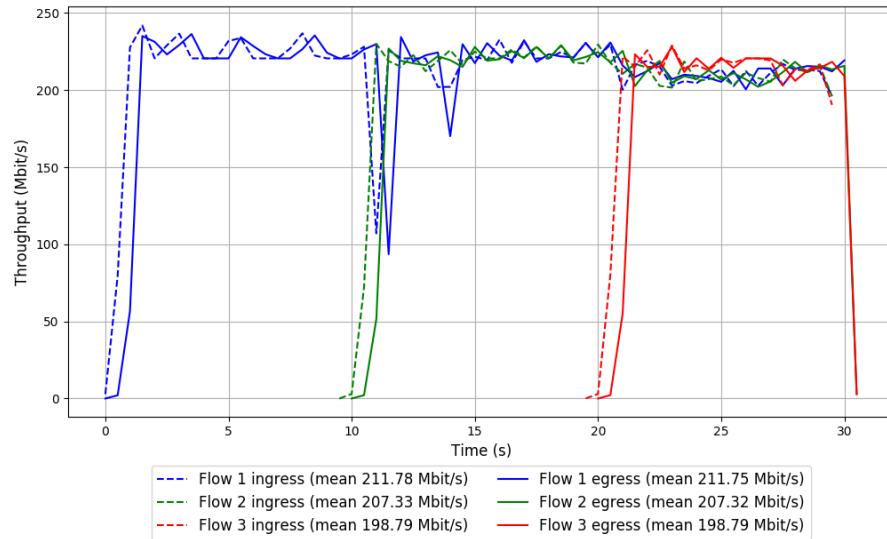


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-01 12:04:36
End at: 2018-06-01 12:05:06
Local clock offset: -0.029 ms
Remote clock offset: 7.408 ms

# Below is generated by plot.py at 2018-06-01 14:14:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 416.04 Mbit/s
95th percentile per-packet one-way delay: 66.899 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 211.75 Mbit/s
95th percentile per-packet one-way delay: 65.796 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 207.32 Mbit/s
95th percentile per-packet one-way delay: 67.047 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 198.79 Mbit/s
95th percentile per-packet one-way delay: 68.063 ms
Loss rate: 0.04%
```

Run 6: Report of TCP BBR — Data Link

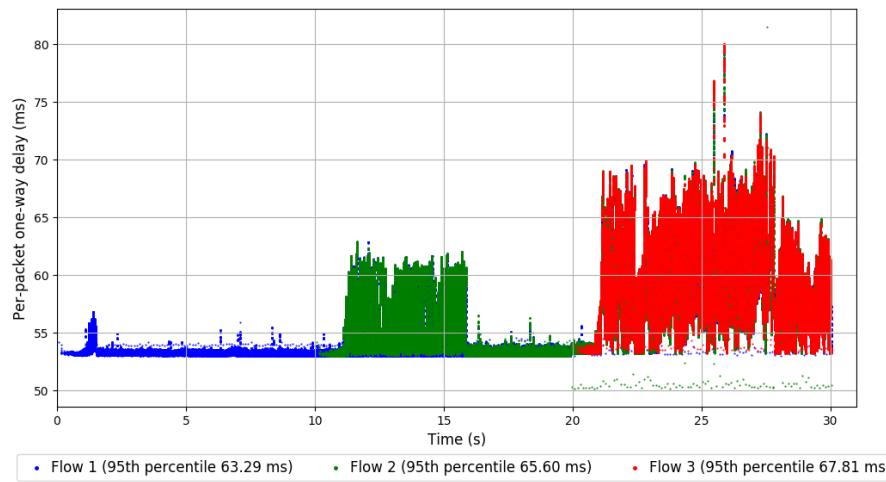
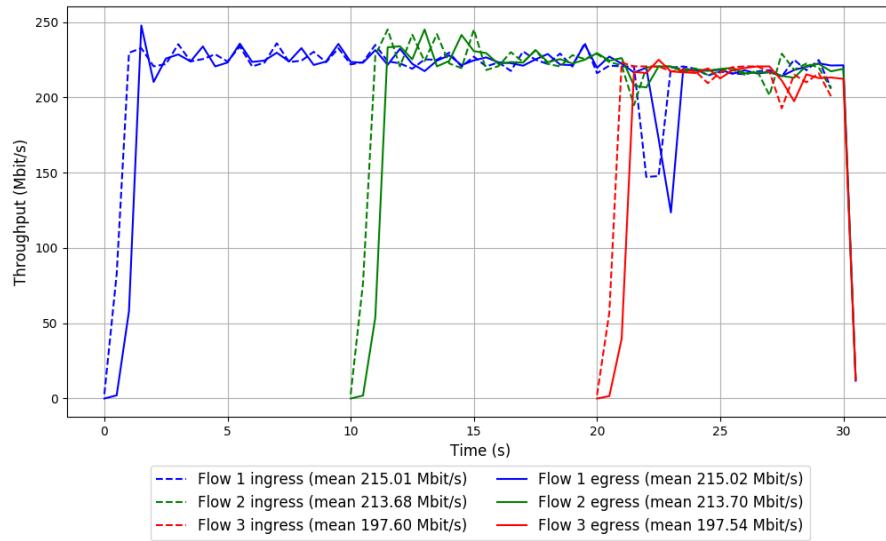


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-01 12:28:00
End at: 2018-06-01 12:28:30
Local clock offset: 0.005 ms
Remote clock offset: 7.0 ms

# Below is generated by plot.py at 2018-06-01 14:14:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 422.95 Mbit/s
95th percentile per-packet one-way delay: 65.735 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 215.02 Mbit/s
95th percentile per-packet one-way delay: 63.287 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 213.70 Mbit/s
95th percentile per-packet one-way delay: 65.602 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 197.54 Mbit/s
95th percentile per-packet one-way delay: 67.805 ms
Loss rate: 0.04%
```

Run 7: Report of TCP BBR — Data Link

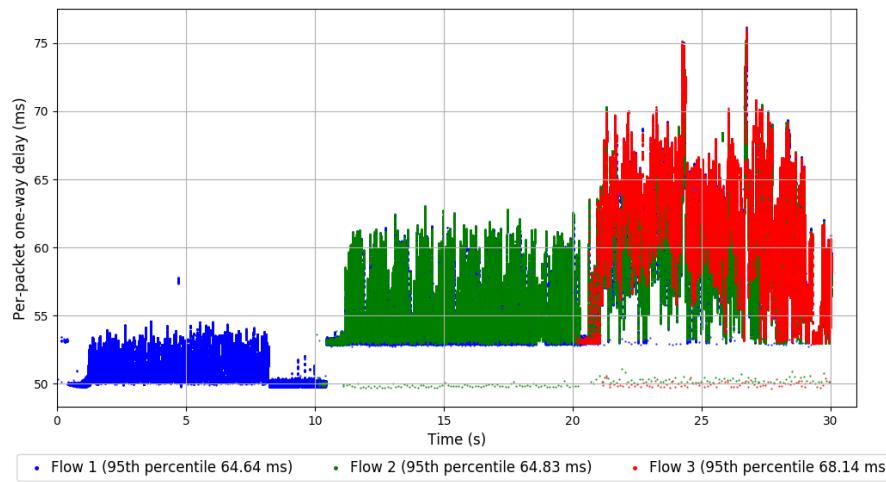
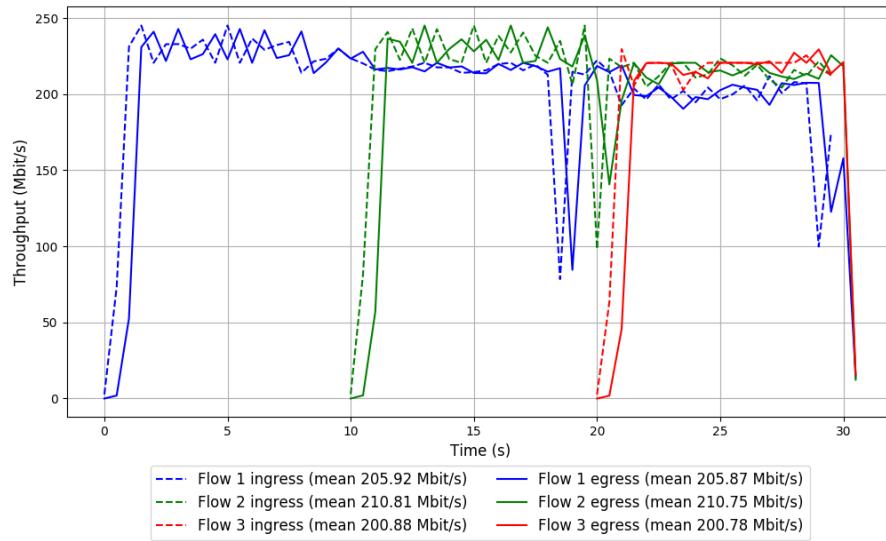


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-01 12:50:39
End at: 2018-06-01 12:51:09
Local clock offset: -0.254 ms
Remote clock offset: 2.456 ms

# Below is generated by plot.py at 2018-06-01 14:14:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 412.92 Mbit/s
95th percentile per-packet one-way delay: 66.025 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 205.87 Mbit/s
95th percentile per-packet one-way delay: 64.636 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 210.75 Mbit/s
95th percentile per-packet one-way delay: 64.826 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 200.78 Mbit/s
95th percentile per-packet one-way delay: 68.140 ms
Loss rate: 0.00%
```

Run 8: Report of TCP BBR — Data Link

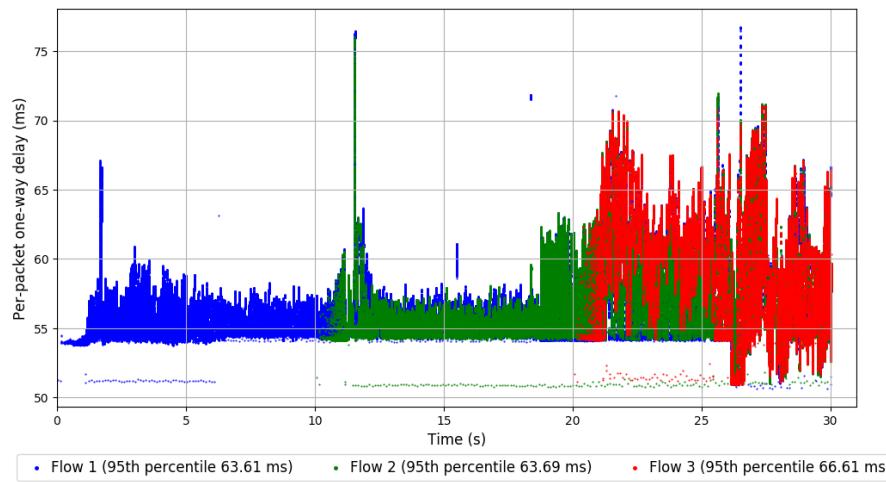
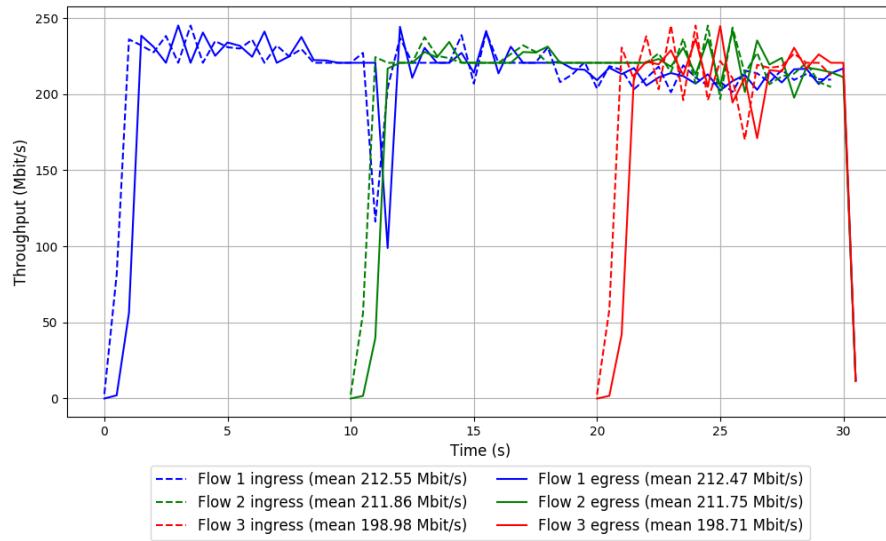


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-01 13:13:14
End at: 2018-06-01 13:13:44
Local clock offset: -0.511 ms
Remote clock offset: 1.709 ms

# Below is generated by plot.py at 2018-06-01 14:20:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 419.49 Mbit/s
95th percentile per-packet one-way delay: 64.721 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 212.47 Mbit/s
95th percentile per-packet one-way delay: 63.611 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 211.75 Mbit/s
95th percentile per-packet one-way delay: 63.692 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 198.71 Mbit/s
95th percentile per-packet one-way delay: 66.610 ms
Loss rate: 0.12%
```

Run 9: Report of TCP BBR — Data Link

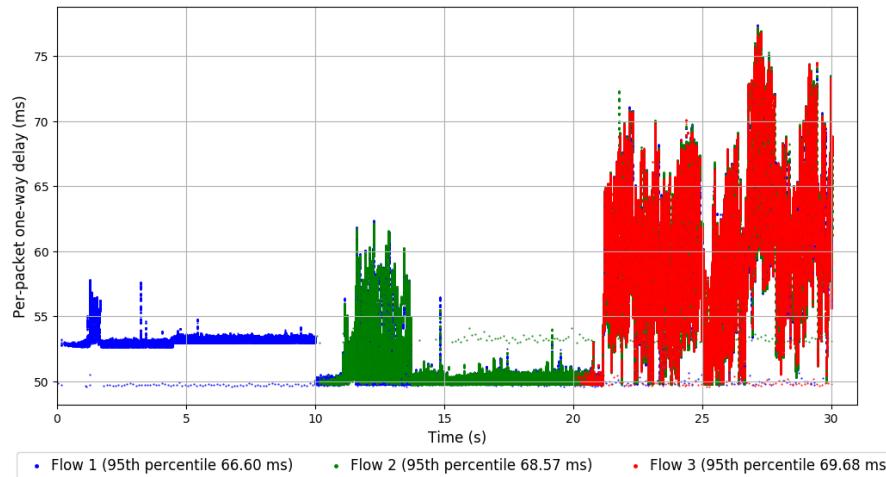
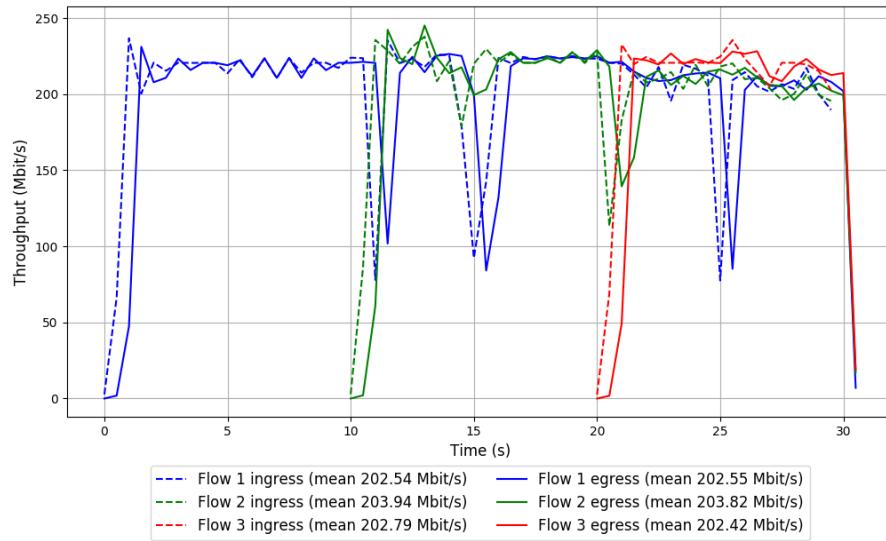


Run 10: Statistics of TCP BBR

```
Start at: 2018-06-01 13:36:00
End at: 2018-06-01 13:36:30
Local clock offset: 0.26 ms
Remote clock offset: 0.616 ms

# Below is generated by plot.py at 2018-06-01 14:20:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 405.47 Mbit/s
95th percentile per-packet one-way delay: 67.963 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 202.55 Mbit/s
95th percentile per-packet one-way delay: 66.602 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 203.82 Mbit/s
95th percentile per-packet one-way delay: 68.573 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 202.42 Mbit/s
95th percentile per-packet one-way delay: 69.681 ms
Loss rate: 0.00%
```

Run 10: Report of TCP BBR — Data Link

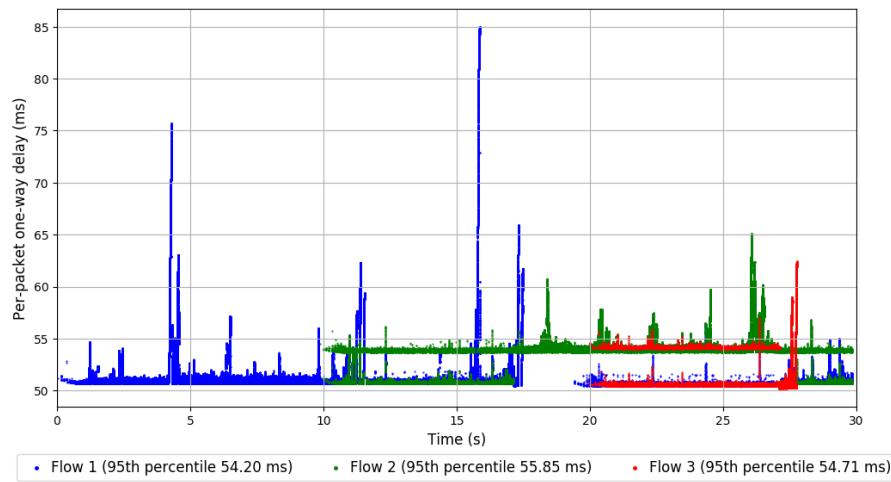
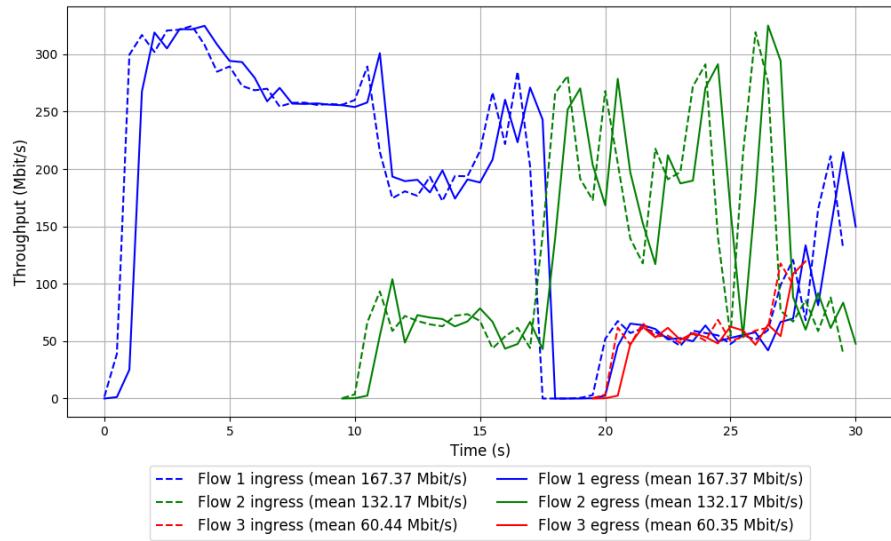


Run 1: Statistics of Copa

```
Start at: 2018-06-01 10:07:02
End at: 2018-06-01 10:07:32
Local clock offset: -0.584 ms
Remote clock offset: 0.076 ms

# Below is generated by plot.py at 2018-06-01 14:22:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 271.92 Mbit/s
95th percentile per-packet one-way delay: 55.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 167.37 Mbit/s
95th percentile per-packet one-way delay: 54.203 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 132.17 Mbit/s
95th percentile per-packet one-way delay: 55.852 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 60.35 Mbit/s
95th percentile per-packet one-way delay: 54.714 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link

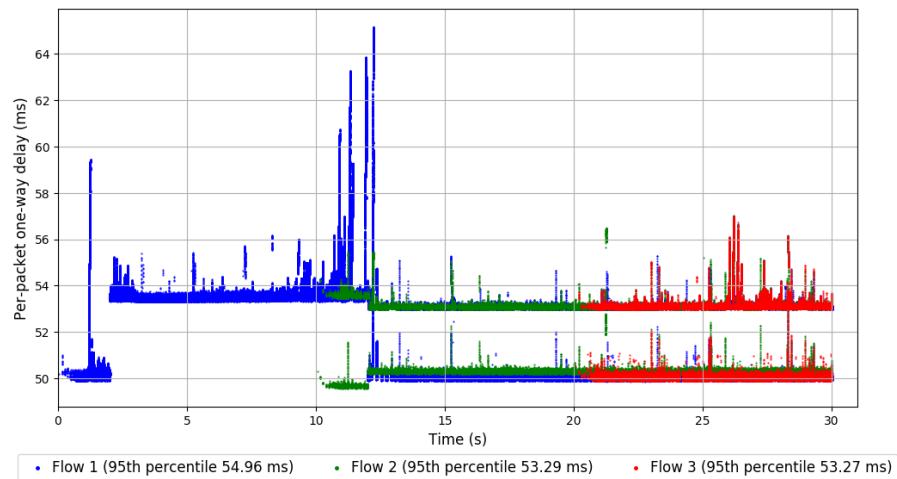
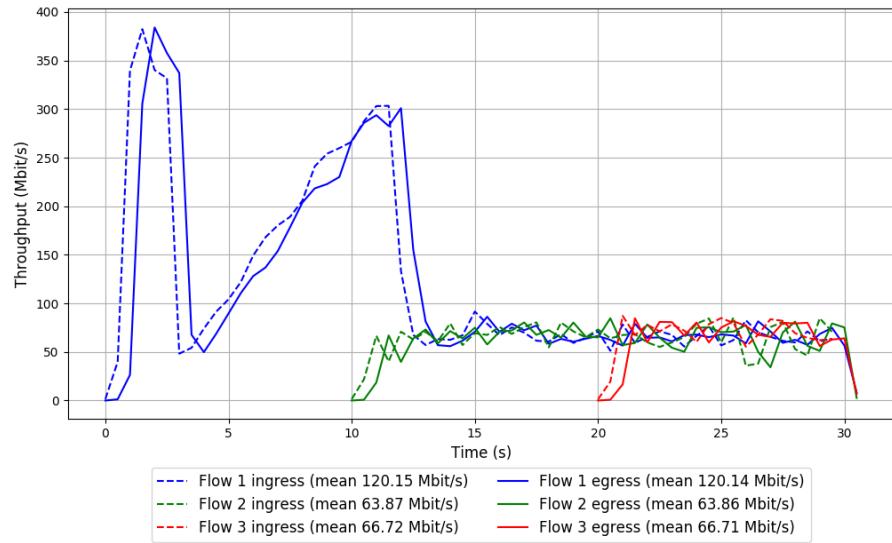


Run 2: Statistics of Copa

```
Start at: 2018-06-01 10:29:38
End at: 2018-06-01 10:30:08
Local clock offset: -0.009 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2018-06-01 14:22:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 184.76 Mbit/s
95th percentile per-packet one-way delay: 54.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 120.14 Mbit/s
95th percentile per-packet one-way delay: 54.960 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.86 Mbit/s
95th percentile per-packet one-way delay: 53.287 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.71 Mbit/s
95th percentile per-packet one-way delay: 53.271 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

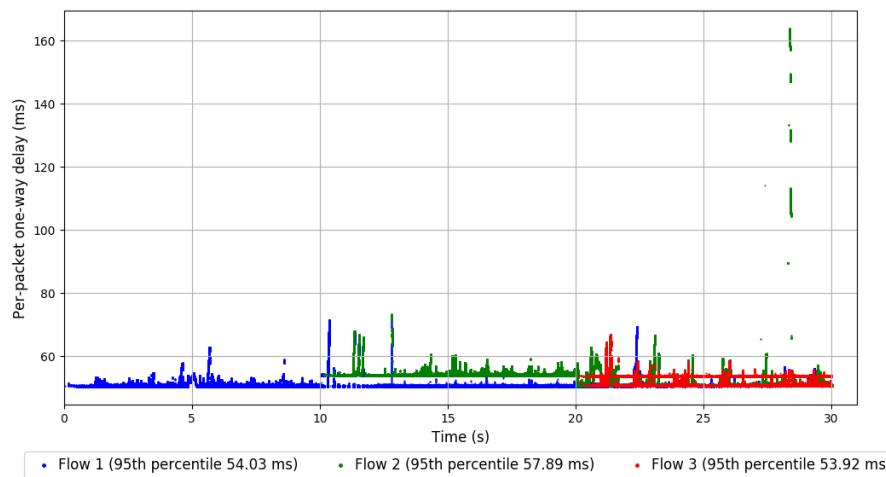
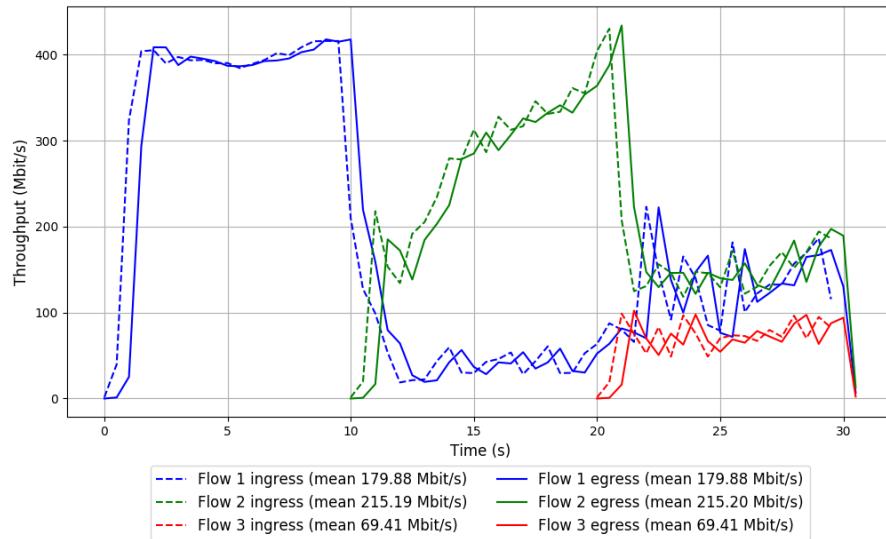


Run 3: Statistics of Copa

```
Start at: 2018-06-01 10:52:00
End at: 2018-06-01 10:52:30
Local clock offset: -0.154 ms
Remote clock offset: 14.496 ms

# Below is generated by plot.py at 2018-06-01 14:24:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 346.21 Mbit/s
95th percentile per-packet one-way delay: 56.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.88 Mbit/s
95th percentile per-packet one-way delay: 54.029 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 215.20 Mbit/s
95th percentile per-packet one-way delay: 57.893 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.41 Mbit/s
95th percentile per-packet one-way delay: 53.924 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

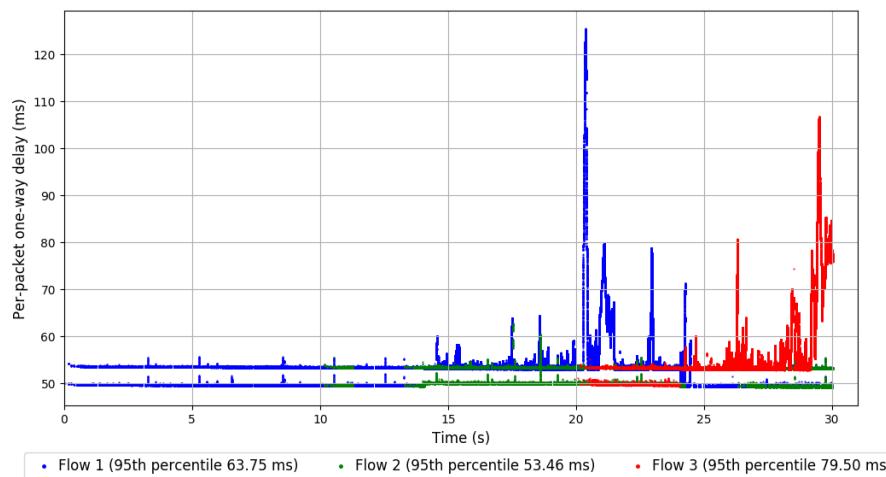
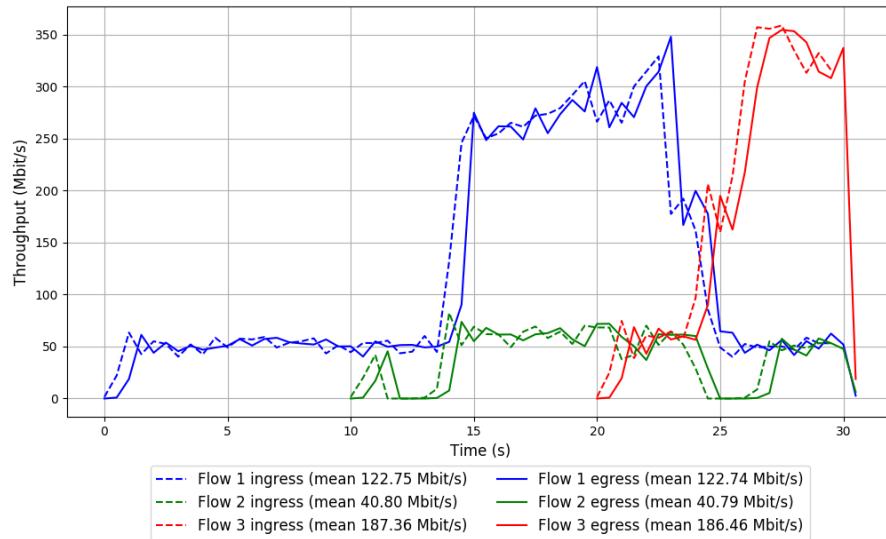


Run 4: Statistics of Copa

```
Start at: 2018-06-01 11:14:56
End at: 2018-06-01 11:15:26
Local clock offset: -0.116 ms
Remote clock offset: 24.083 ms

# Below is generated by plot.py at 2018-06-01 14:24:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 211.76 Mbit/s
95th percentile per-packet one-way delay: 70.334 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 122.74 Mbit/s
95th percentile per-packet one-way delay: 63.748 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.79 Mbit/s
95th percentile per-packet one-way delay: 53.463 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 186.46 Mbit/s
95th percentile per-packet one-way delay: 79.501 ms
Loss rate: 0.49%
```

Run 4: Report of Copa — Data Link

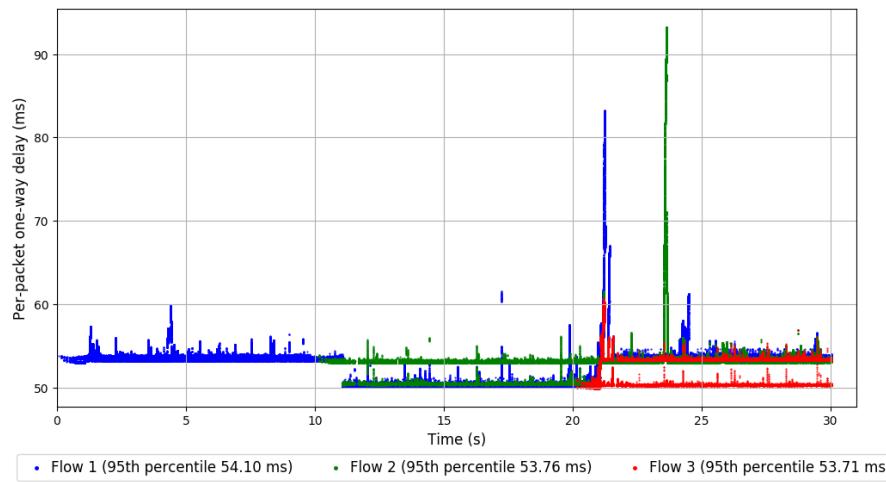
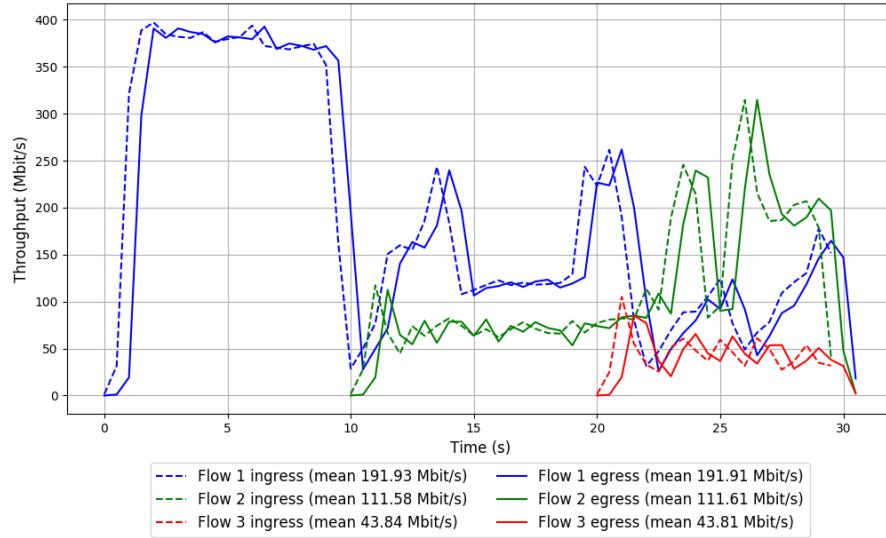


Run 5: Statistics of Copa

```
Start at: 2018-06-01 11:37:39
End at: 2018-06-01 11:38:09
Local clock offset: 0.128 ms
Remote clock offset: 11.83 ms

# Below is generated by plot.py at 2018-06-01 14:24:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 280.81 Mbit/s
95th percentile per-packet one-way delay: 54.004 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 191.91 Mbit/s
95th percentile per-packet one-way delay: 54.104 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 111.61 Mbit/s
95th percentile per-packet one-way delay: 53.759 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.81 Mbit/s
95th percentile per-packet one-way delay: 53.706 ms
Loss rate: 0.05%
```

Run 5: Report of Copa — Data Link

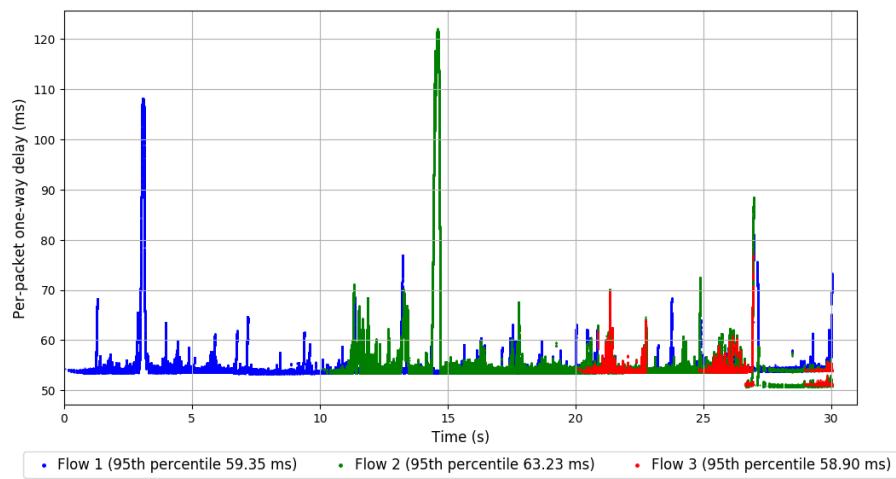
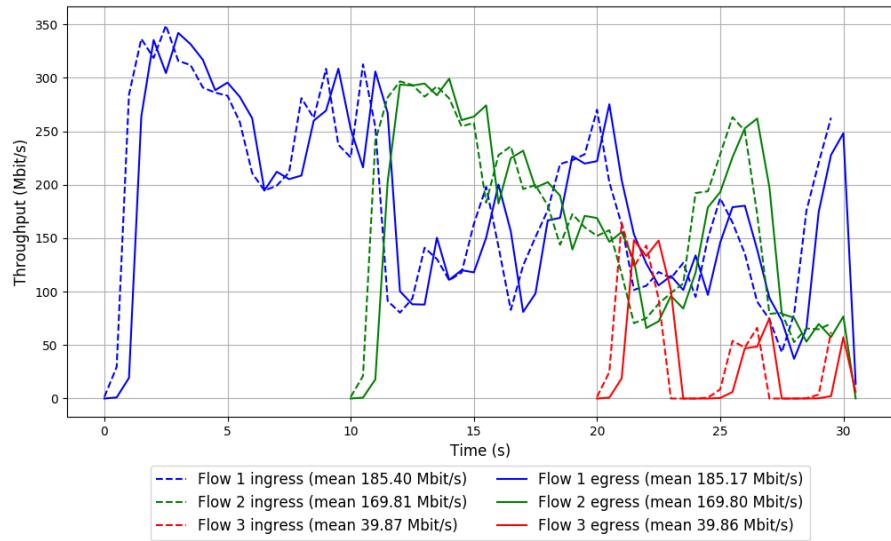


Run 6: Statistics of Copa

```
Start at: 2018-06-01 12:00:43
End at: 2018-06-01 12:01:13
Local clock offset: -0.075 ms
Remote clock offset: 10.27 ms

# Below is generated by plot.py at 2018-06-01 14:24:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 311.51 Mbit/s
95th percentile per-packet one-way delay: 60.649 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 185.17 Mbit/s
95th percentile per-packet one-way delay: 59.354 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 169.80 Mbit/s
95th percentile per-packet one-way delay: 63.232 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 39.86 Mbit/s
95th percentile per-packet one-way delay: 58.899 ms
Loss rate: 0.04%
```

Run 6: Report of Copa — Data Link

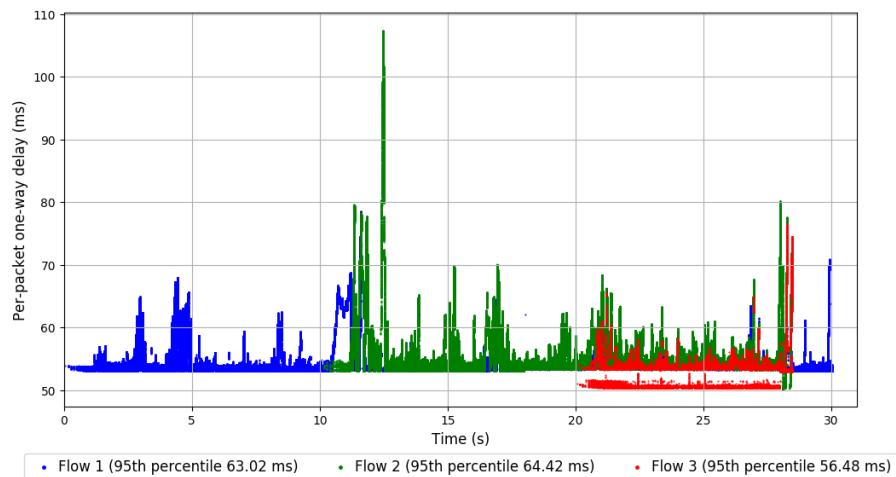
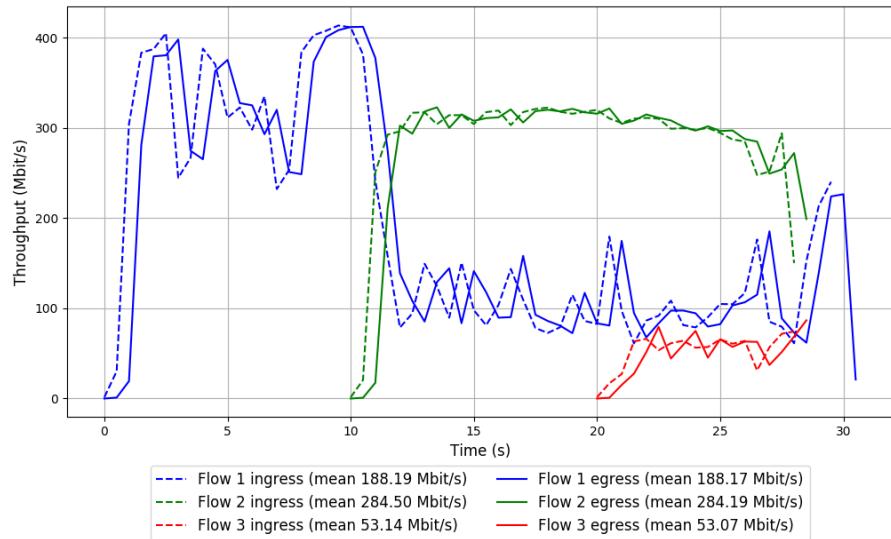


Run 7: Statistics of Copa

```
Start at: 2018-06-01 12:24:02
End at: 2018-06-01 12:24:32
Local clock offset: 0.051 ms
Remote clock offset: 6.535 ms

# Below is generated by plot.py at 2018-06-01 14:31:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 377.52 Mbit/s
95th percentile per-packet one-way delay: 63.291 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 188.17 Mbit/s
95th percentile per-packet one-way delay: 63.016 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 284.19 Mbit/s
95th percentile per-packet one-way delay: 64.425 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.07 Mbit/s
95th percentile per-packet one-way delay: 56.476 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

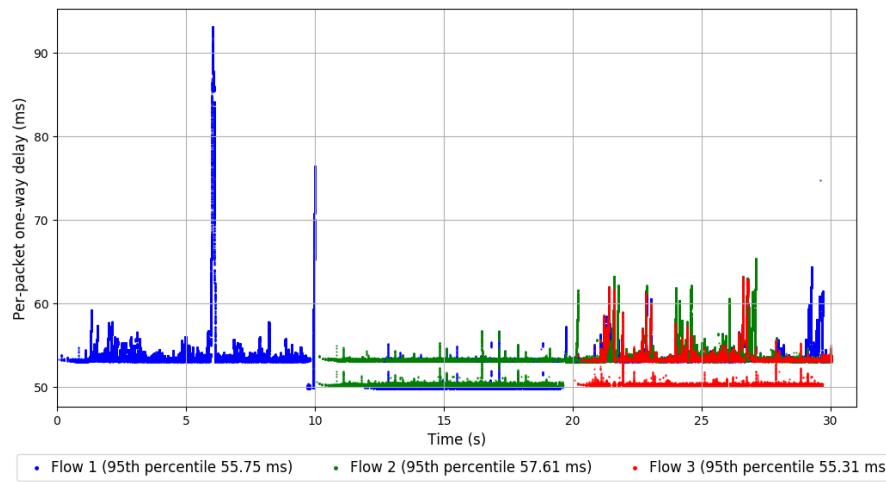
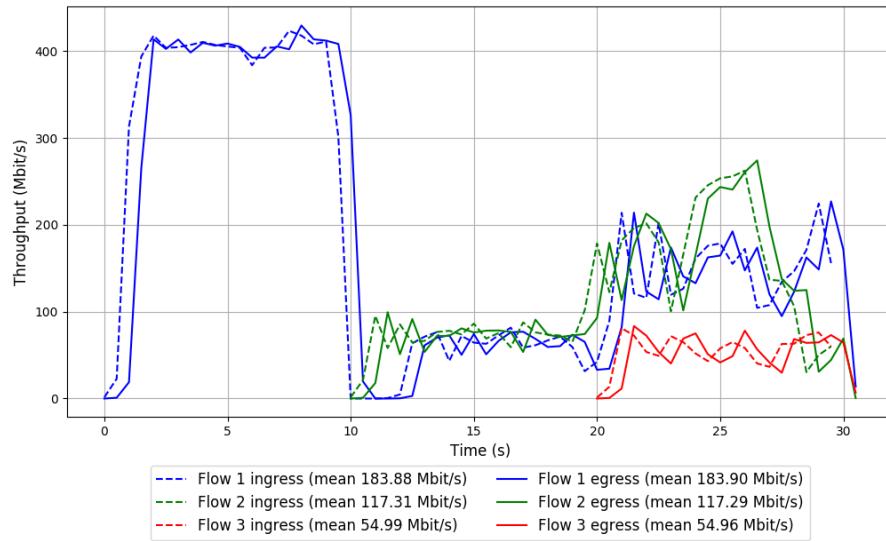


Run 8: Statistics of Copa

```
Start at: 2018-06-01 12:46:50
End at: 2018-06-01 12:47:20
Local clock offset: -0.207 ms
Remote clock offset: 2.672 ms

# Below is generated by plot.py at 2018-06-01 14:31:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 280.17 Mbit/s
95th percentile per-packet one-way delay: 56.323 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 183.90 Mbit/s
95th percentile per-packet one-way delay: 55.748 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 117.29 Mbit/s
95th percentile per-packet one-way delay: 57.611 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 55.311 ms
Loss rate: 0.06%
```

Run 8: Report of Copa — Data Link

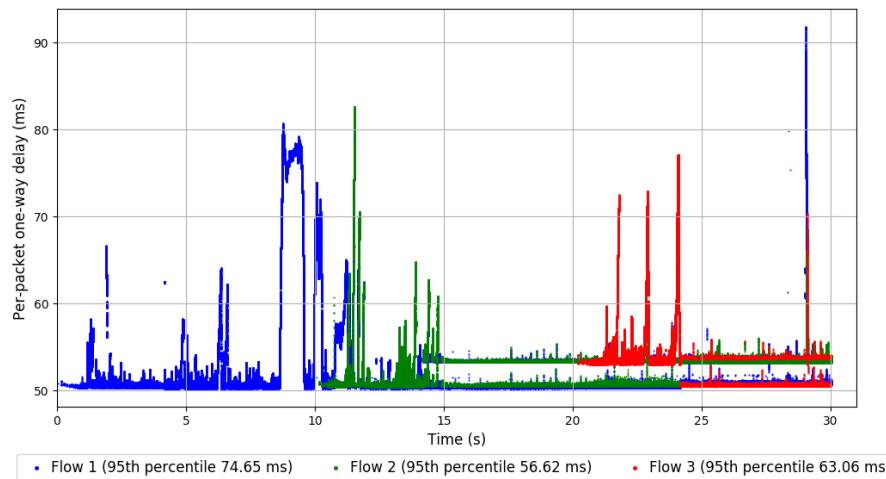
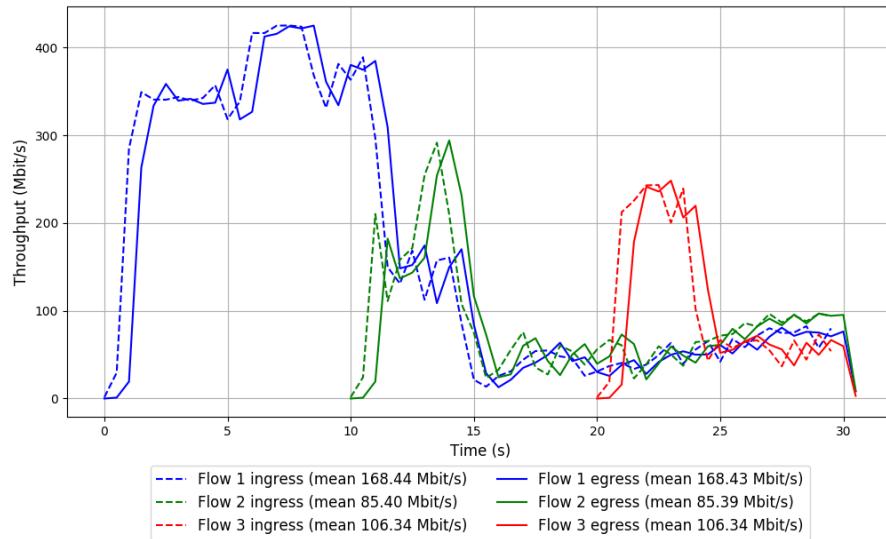


Run 9: Statistics of Copa

```
Start at: 2018-06-01 13:09:26
End at: 2018-06-01 13:09:56
Local clock offset: -0.461 ms
Remote clock offset: 1.904 ms

# Below is generated by plot.py at 2018-06-01 14:31:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 260.57 Mbit/s
95th percentile per-packet one-way delay: 68.242 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 168.43 Mbit/s
95th percentile per-packet one-way delay: 74.648 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 85.39 Mbit/s
95th percentile per-packet one-way delay: 56.620 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 106.34 Mbit/s
95th percentile per-packet one-way delay: 63.061 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

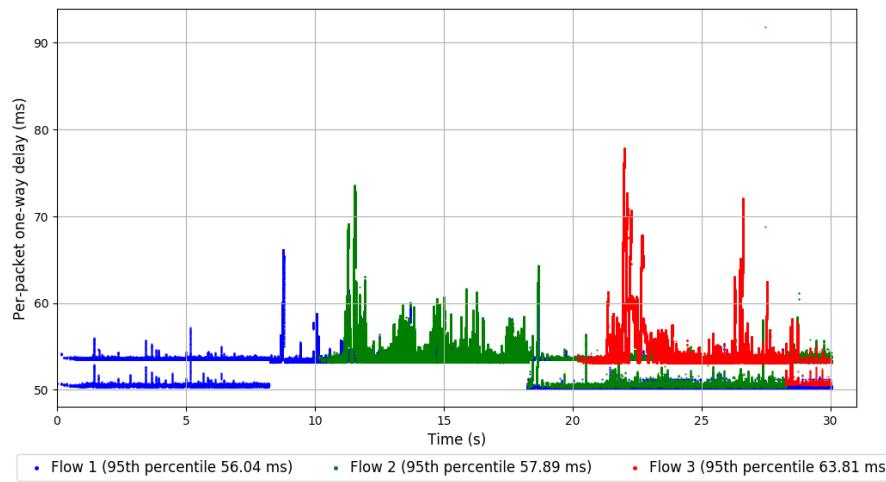
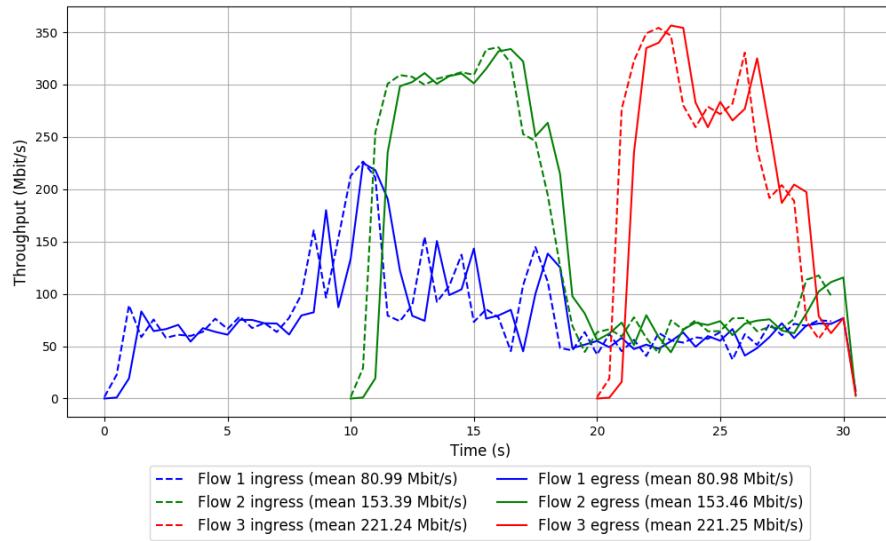


Run 10: Statistics of Copa

```
Start at: 2018-06-01 13:32:12
End at: 2018-06-01 13:32:42
Local clock offset: 0.064 ms
Remote clock offset: 0.91 ms

# Below is generated by plot.py at 2018-06-01 14:31:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 256.52 Mbit/s
95th percentile per-packet one-way delay: 58.694 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 80.98 Mbit/s
95th percentile per-packet one-way delay: 56.036 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 153.46 Mbit/s
95th percentile per-packet one-way delay: 57.888 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 221.25 Mbit/s
95th percentile per-packet one-way delay: 63.812 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

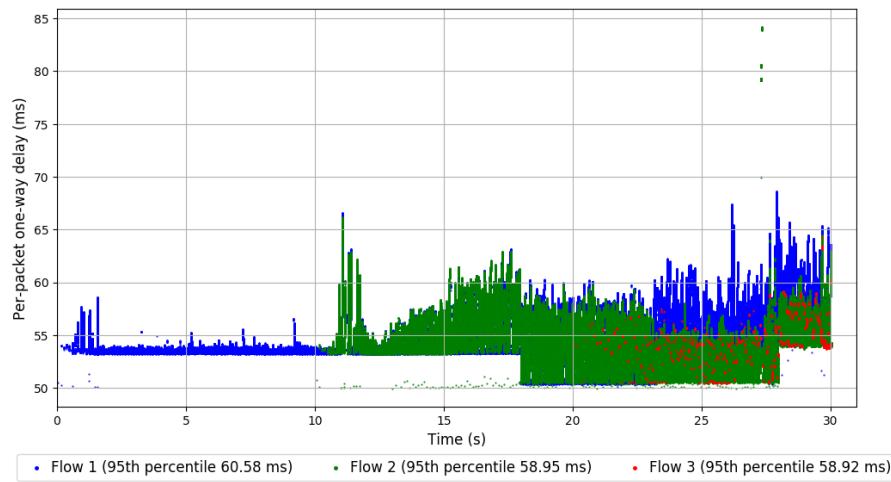
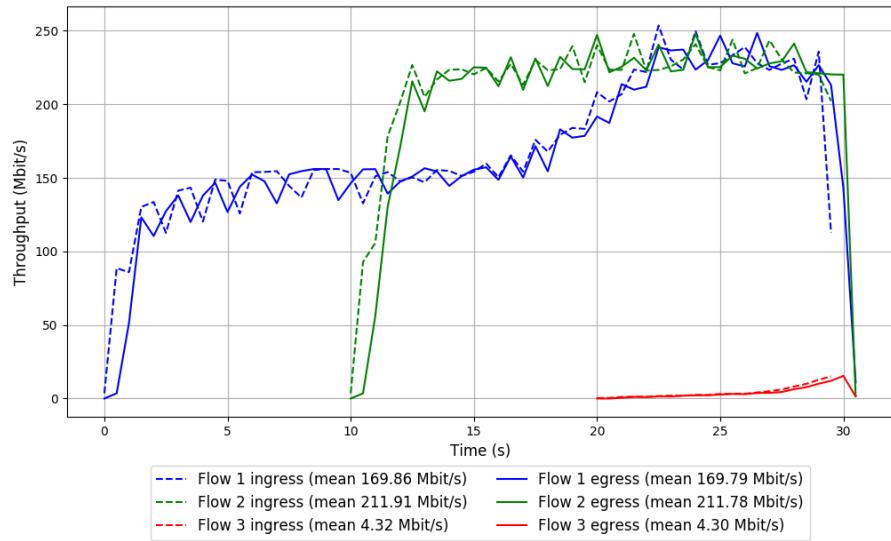


```
Run 1: Statistics of TCP Cubic

Start at: 2018-06-01 10:18:02
End at: 2018-06-01 10:18:32
Local clock offset: 0.009 ms
Remote clock offset: 0.311 ms

# Below is generated by plot.py at 2018-06-01 14:31:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 312.15 Mbit/s
95th percentile per-packet one-way delay: 59.947 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 169.79 Mbit/s
95th percentile per-packet one-way delay: 60.580 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 211.78 Mbit/s
95th percentile per-packet one-way delay: 58.948 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 58.918 ms
Loss rate: 0.28%
```

Run 1: Report of TCP Cubic — Data Link

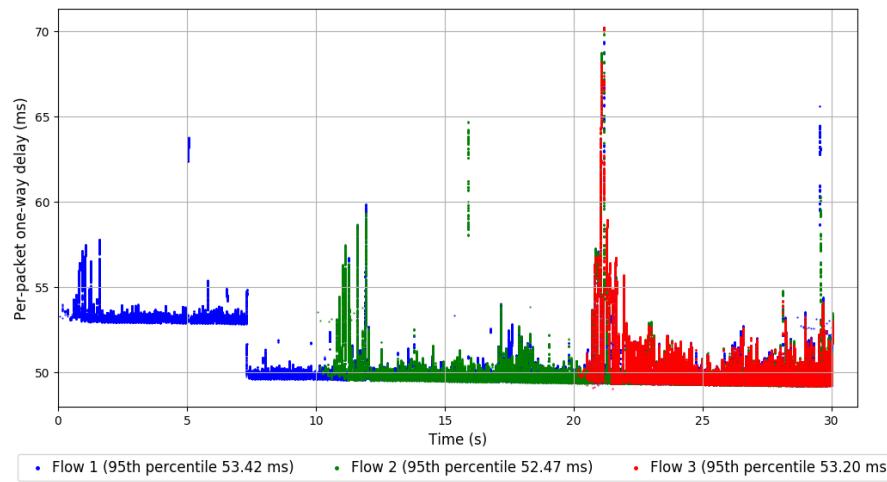
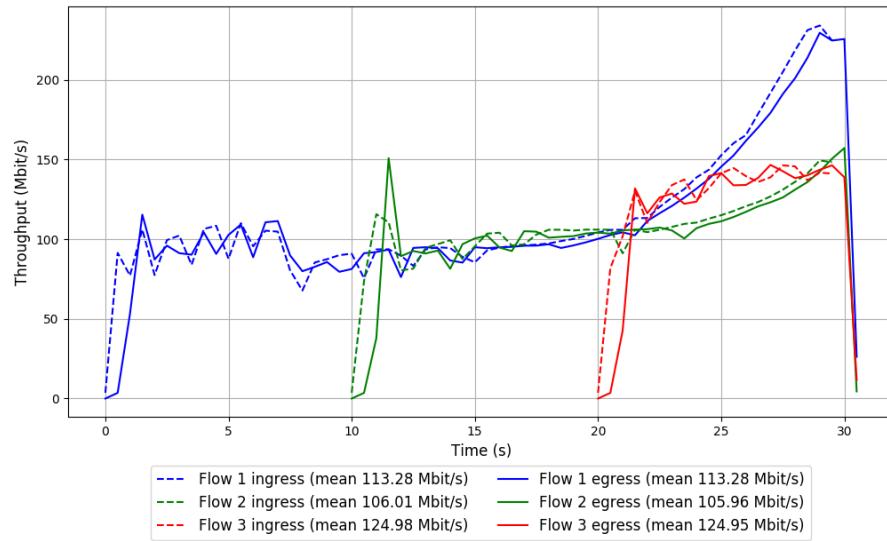


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-01 10:40:32
End at: 2018-06-01 10:41:02
Local clock offset: -0.081 ms
Remote clock offset: 7.81 ms

# Below is generated by plot.py at 2018-06-01 14:31:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 225.39 Mbit/s
95th percentile per-packet one-way delay: 53.358 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 113.28 Mbit/s
95th percentile per-packet one-way delay: 53.418 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 105.96 Mbit/s
95th percentile per-packet one-way delay: 52.469 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 124.95 Mbit/s
95th percentile per-packet one-way delay: 53.200 ms
Loss rate: 0.03%
```

Run 2: Report of TCP Cubic — Data Link

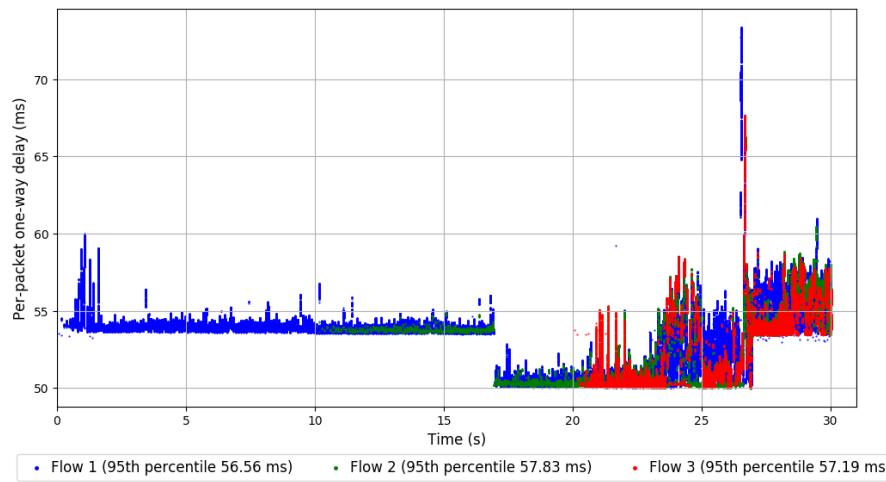
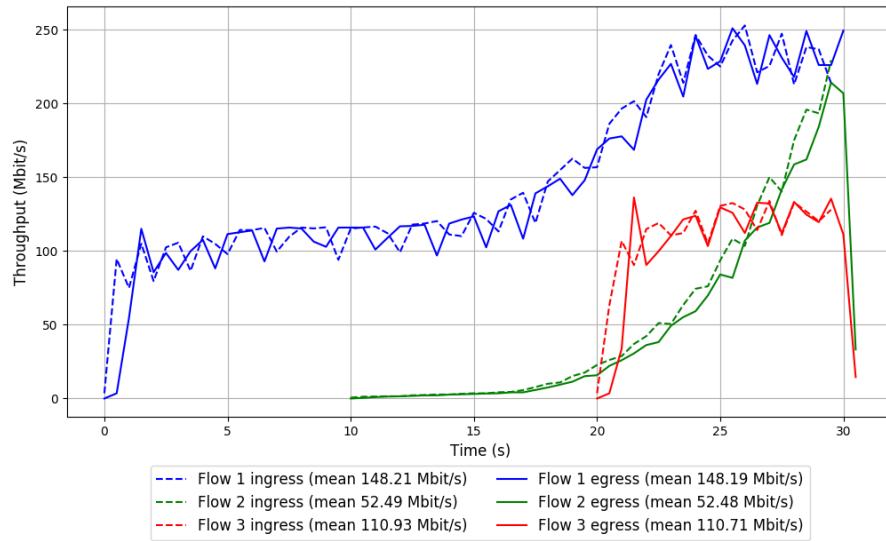


Run 3: Statistics of TCP Cubic

```
Start at: 2018-06-01 11:03:13
End at: 2018-06-01 11:03:43
Local clock offset: -0.088 ms
Remote clock offset: 16.162 ms

# Below is generated by plot.py at 2018-06-01 14:31:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 219.75 Mbit/s
95th percentile per-packet one-way delay: 57.085 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 148.19 Mbit/s
95th percentile per-packet one-way delay: 56.556 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 52.48 Mbit/s
95th percentile per-packet one-way delay: 57.834 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 110.71 Mbit/s
95th percentile per-packet one-way delay: 57.193 ms
Loss rate: 0.23%
```

Run 3: Report of TCP Cubic — Data Link

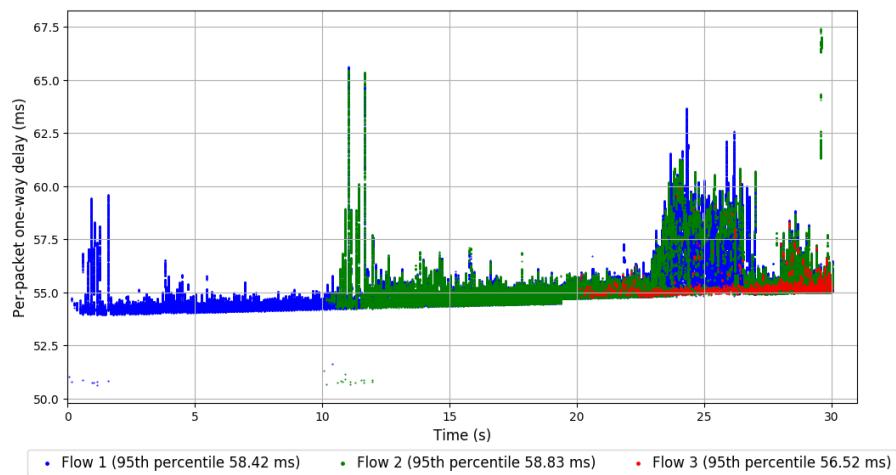
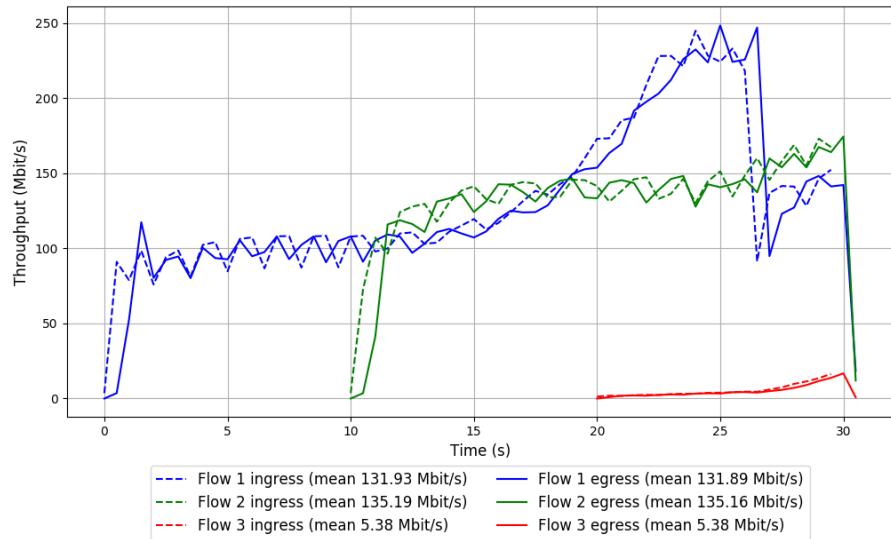


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-01 11:26:00
End at: 2018-06-01 11:26:30
Local clock offset: -0.118 ms
Remote clock offset: 21.282 ms

# Below is generated by plot.py at 2018-06-01 14:31:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 223.70 Mbit/s
95th percentile per-packet one-way delay: 58.615 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 131.89 Mbit/s
95th percentile per-packet one-way delay: 58.418 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 135.16 Mbit/s
95th percentile per-packet one-way delay: 58.833 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 5.38 Mbit/s
95th percentile per-packet one-way delay: 56.522 ms
Loss rate: 0.02%
```

Run 4: Report of TCP Cubic — Data Link

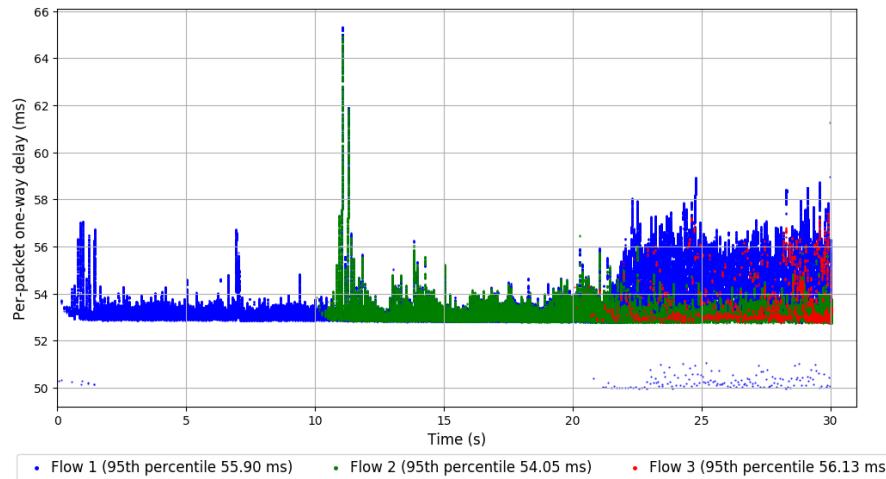
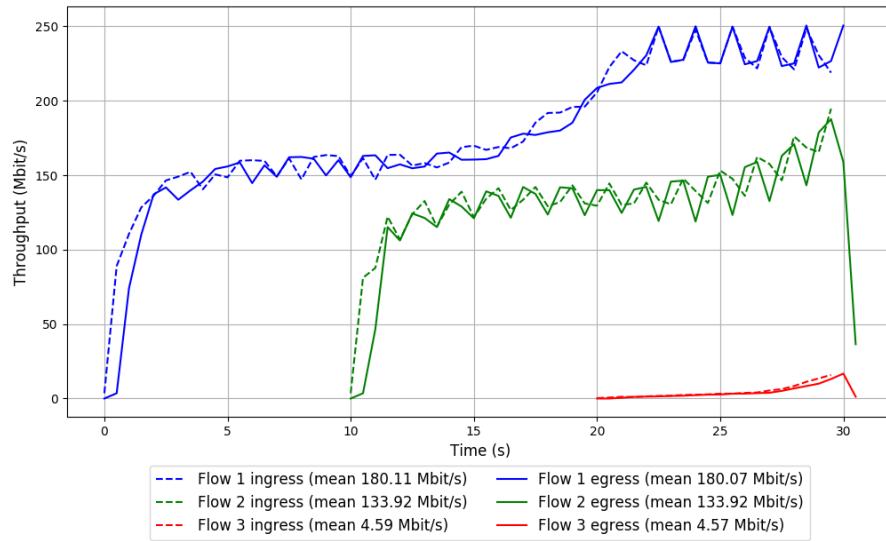


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-01 11:48:52
End at: 2018-06-01 11:49:22
Local clock offset: -0.154 ms
Remote clock offset: 12.734 ms

# Below is generated by plot.py at 2018-06-01 14:31:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 270.59 Mbit/s
95th percentile per-packet one-way delay: 55.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.07 Mbit/s
95th percentile per-packet one-way delay: 55.896 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 133.92 Mbit/s
95th percentile per-packet one-way delay: 54.053 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 56.130 ms
Loss rate: 0.26%
```

Run 5: Report of TCP Cubic — Data Link

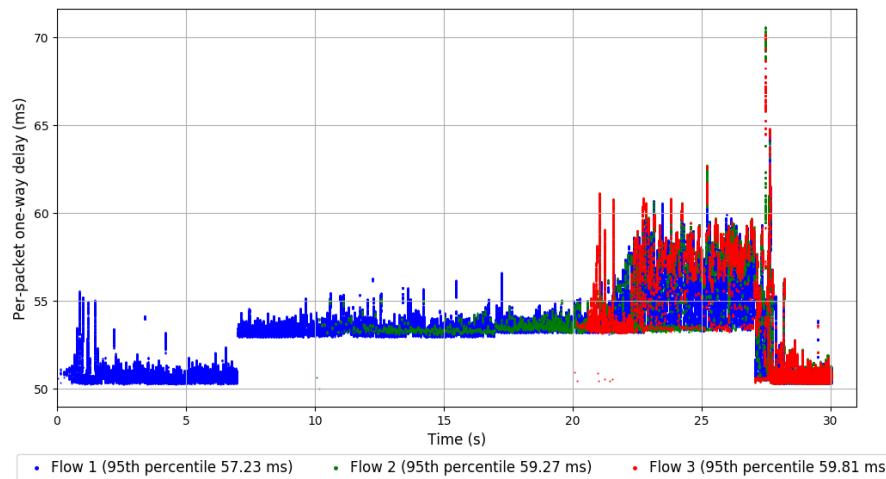
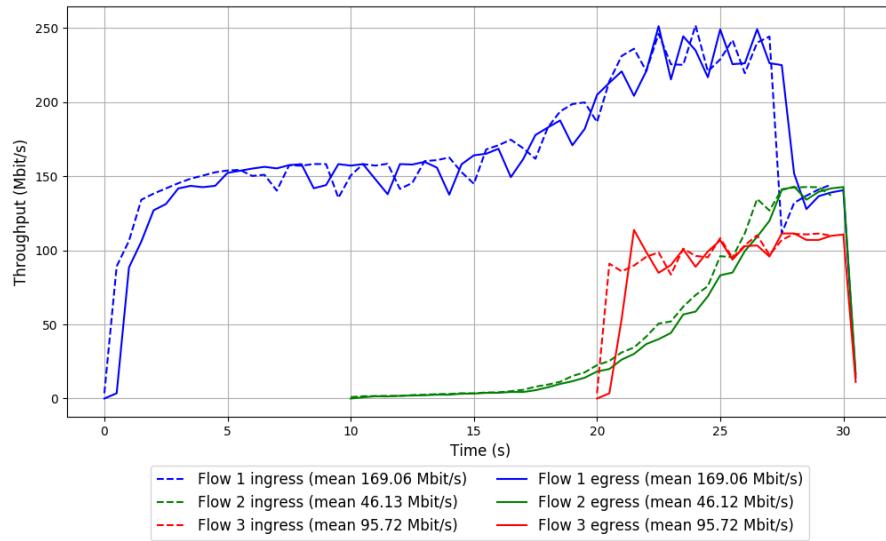


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-01 12:12:23
End at: 2018-06-01 12:12:53
Local clock offset: -0.043 ms
Remote clock offset: 5.586 ms

# Below is generated by plot.py at 2018-06-01 14:31:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 231.54 Mbit/s
95th percentile per-packet one-way delay: 58.407 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 169.06 Mbit/s
95th percentile per-packet one-way delay: 57.232 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.12 Mbit/s
95th percentile per-packet one-way delay: 59.274 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 59.812 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Cubic — Data Link

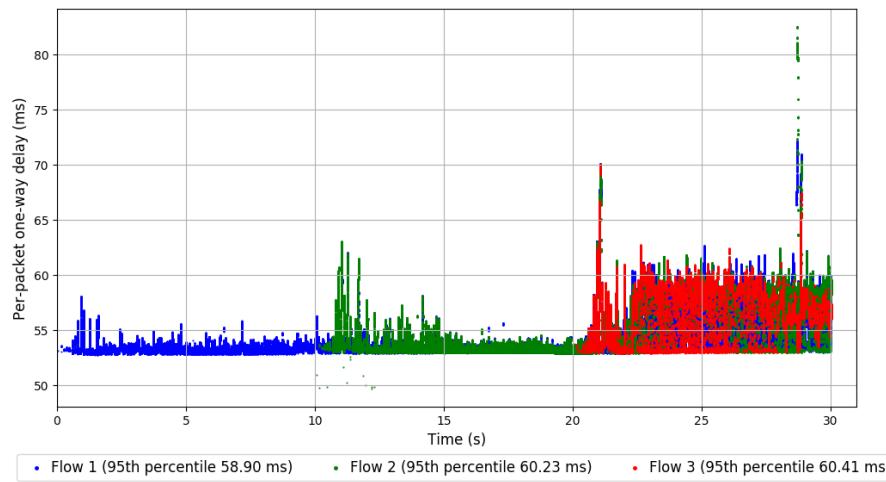
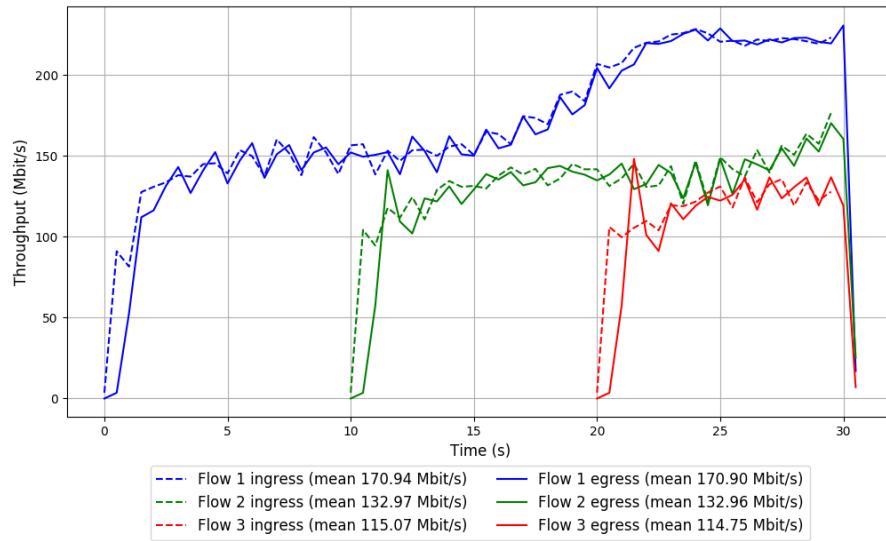


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-01 12:35:11
End at: 2018-06-01 12:35:41
Local clock offset: 0.264 ms
Remote clock offset: 4.69 ms

# Below is generated by plot.py at 2018-06-01 14:32:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 297.47 Mbit/s
95th percentile per-packet one-way delay: 59.853 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 170.90 Mbit/s
95th percentile per-packet one-way delay: 58.902 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 132.96 Mbit/s
95th percentile per-packet one-way delay: 60.231 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 114.75 Mbit/s
95th percentile per-packet one-way delay: 60.414 ms
Loss rate: 0.32%
```

Run 7: Report of TCP Cubic — Data Link

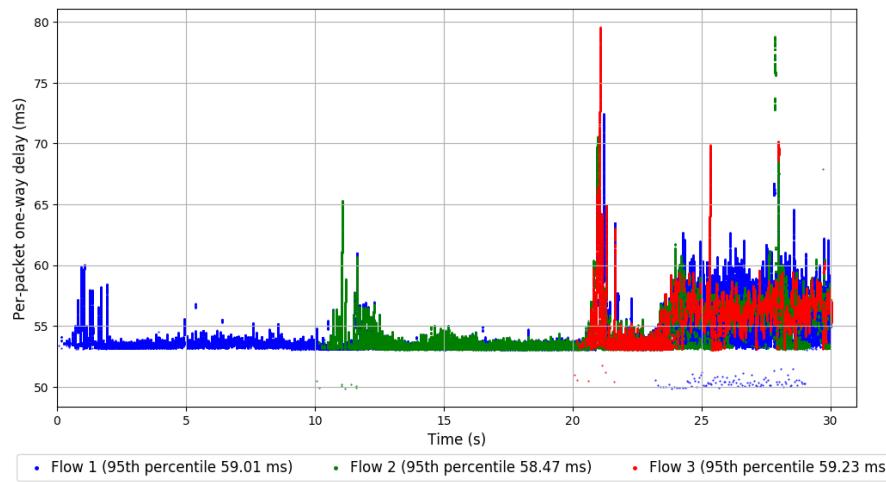
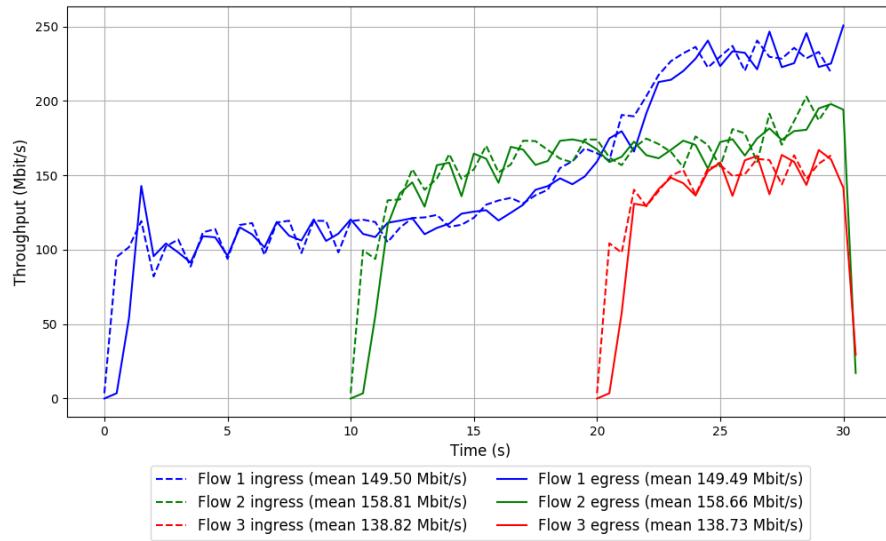


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-01 12:57:51
End at: 2018-06-01 12:58:21
Local clock offset: -0.291 ms
Remote clock offset: 3.018 ms

# Below is generated by plot.py at 2018-06-01 14:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 301.11 Mbit/s
95th percentile per-packet one-way delay: 58.889 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 149.49 Mbit/s
95th percentile per-packet one-way delay: 59.012 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 158.66 Mbit/s
95th percentile per-packet one-way delay: 58.473 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 138.73 Mbit/s
95th percentile per-packet one-way delay: 59.234 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Cubic — Data Link

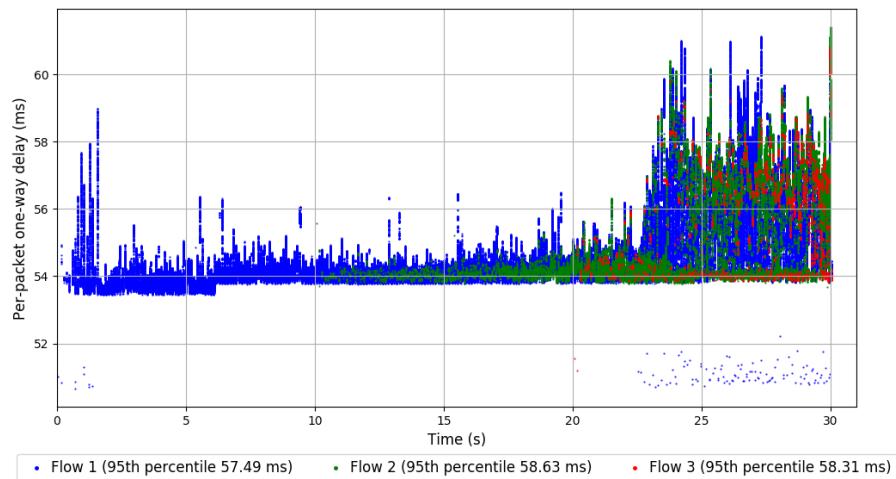
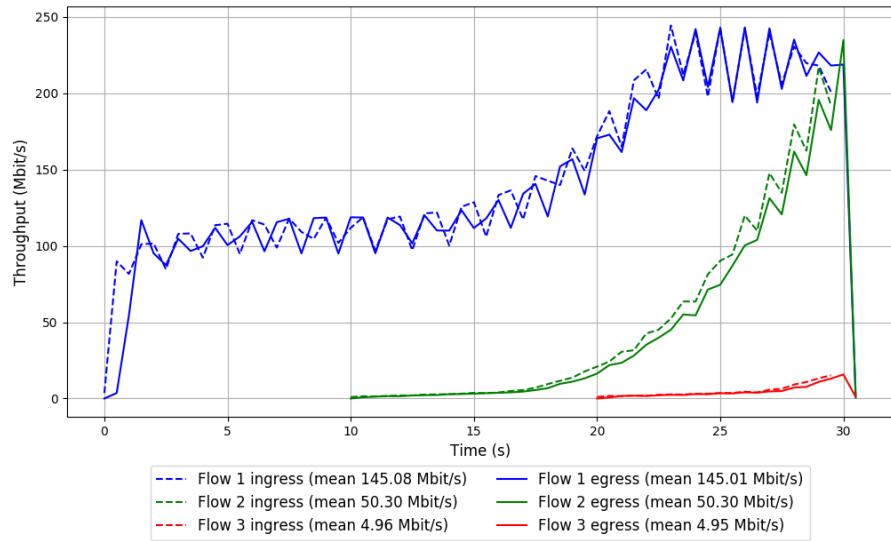


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-01 13:20:34
End at: 2018-06-01 13:21:04
Local clock offset: -0.575 ms
Remote clock offset: 0.715 ms

# Below is generated by plot.py at 2018-06-01 14:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 180.12 Mbit/s
95th percentile per-packet one-way delay: 58.009 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 145.01 Mbit/s
95th percentile per-packet one-way delay: 57.492 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 50.30 Mbit/s
95th percentile per-packet one-way delay: 58.633 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 4.95 Mbit/s
95th percentile per-packet one-way delay: 58.313 ms
Loss rate: 0.22%
```

Run 9: Report of TCP Cubic — Data Link

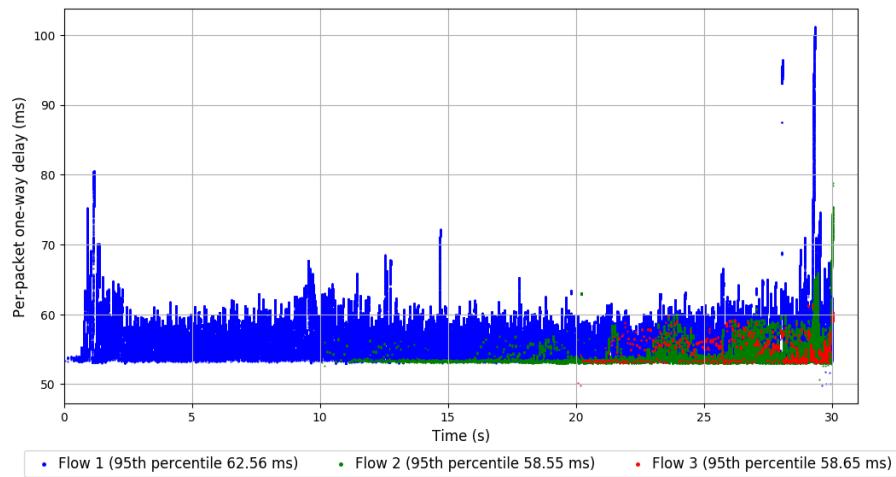
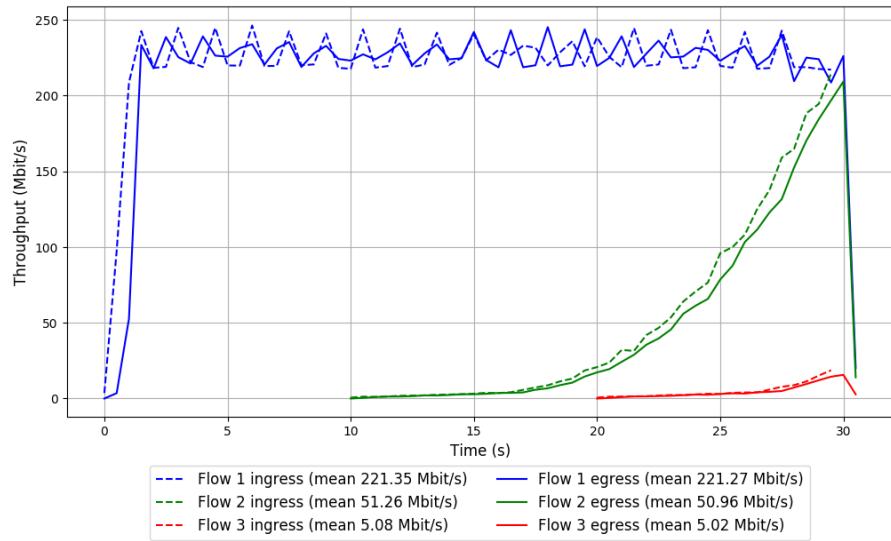


Run 10: Statistics of TCP Cubic

```
Start at: 2018-06-01 13:43:10
End at: 2018-06-01 13:43:40
Local clock offset: 0.205 ms
Remote clock offset: 0.351 ms

# Below is generated by plot.py at 2018-06-01 14:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 256.86 Mbit/s
95th percentile per-packet one-way delay: 62.297 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 221.27 Mbit/s
95th percentile per-packet one-way delay: 62.562 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 50.96 Mbit/s
95th percentile per-packet one-way delay: 58.550 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 58.651 ms
Loss rate: 1.28%
```

Run 10: Report of TCP Cubic — Data Link

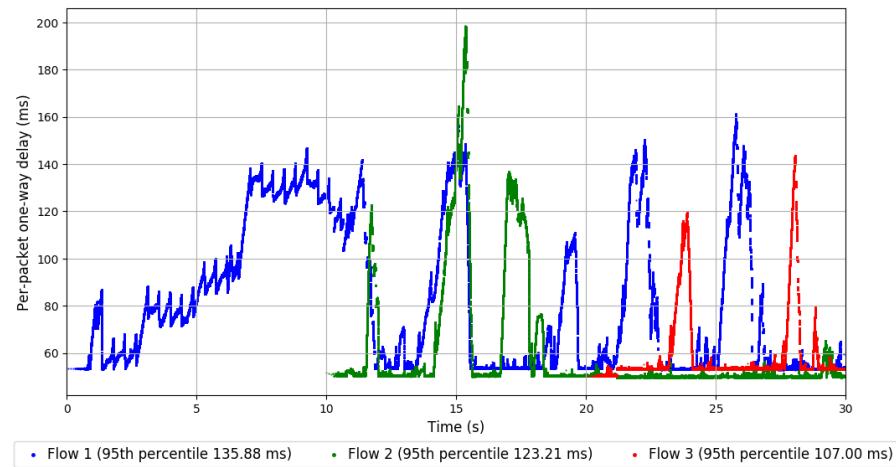
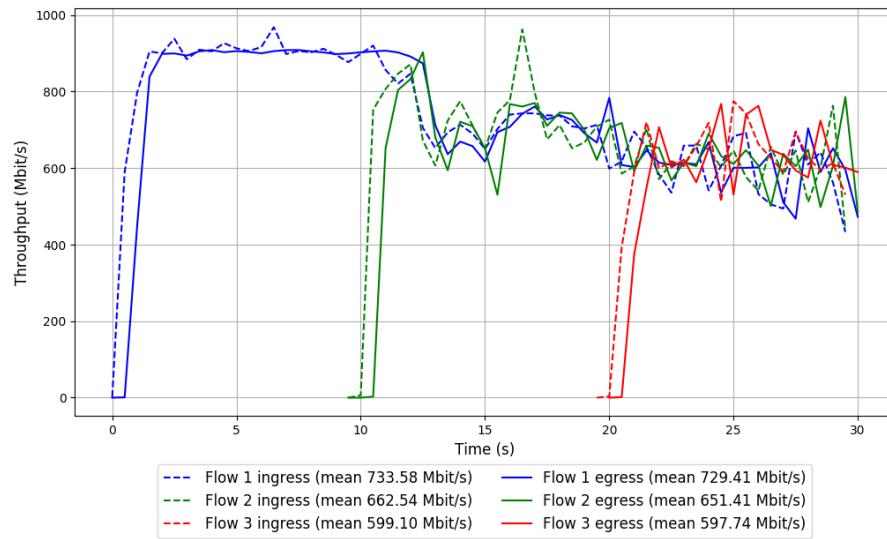


```
Run 1: Statistics of FillP

Start at: 2018-06-01 10:14:48
End at: 2018-06-01 10:15:19
Local clock offset: -0.123 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-06-01 14:55:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1362.17 Mbit/s
95th percentile per-packet one-way delay: 133.421 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 729.41 Mbit/s
95th percentile per-packet one-way delay: 135.883 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 651.41 Mbit/s
95th percentile per-packet one-way delay: 123.206 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 597.74 Mbit/s
95th percentile per-packet one-way delay: 106.995 ms
Loss rate: 0.23%
```

Run 1: Report of FillP — Data Link

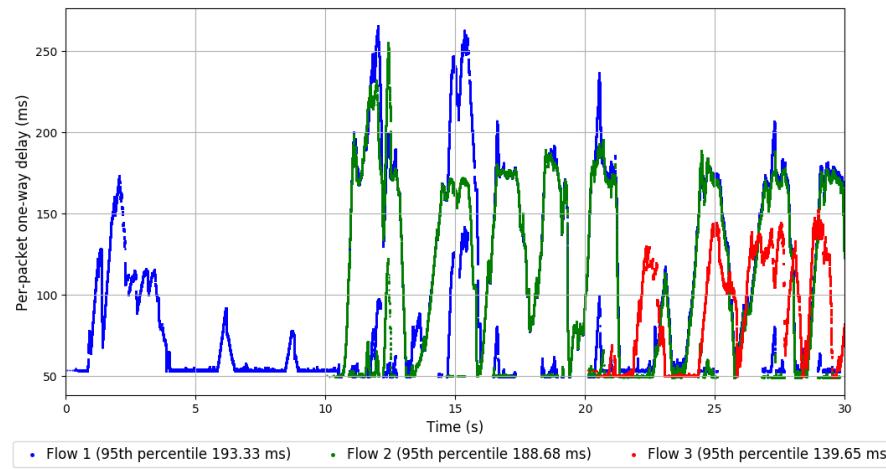
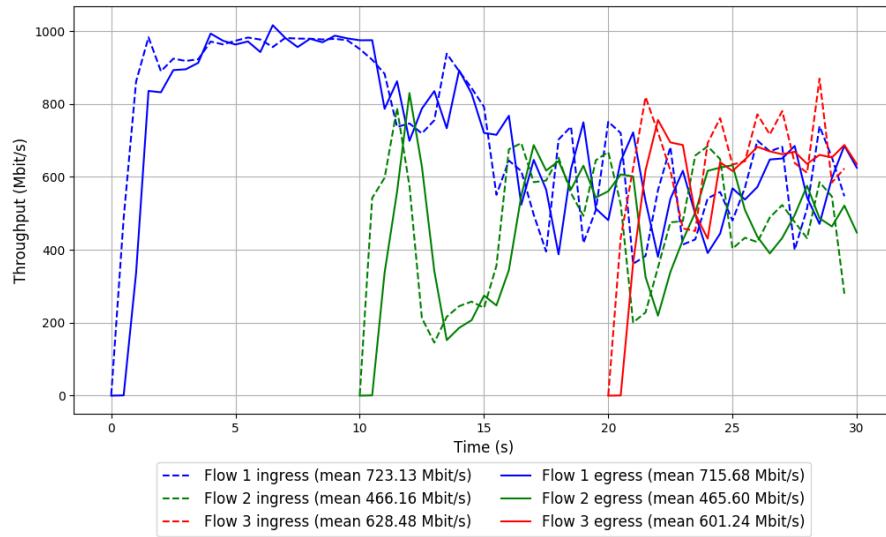


Run 2: Statistics of FillP

```
Start at: 2018-06-01 10:37:19
End at: 2018-06-01 10:37:49
Local clock offset: -0.002 ms
Remote clock offset: 4.519 ms

# Below is generated by plot.py at 2018-06-01 14:55:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1224.62 Mbit/s
95th percentile per-packet one-way delay: 186.732 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 715.68 Mbit/s
95th percentile per-packet one-way delay: 193.326 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 465.60 Mbit/s
95th percentile per-packet one-way delay: 188.676 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 601.24 Mbit/s
95th percentile per-packet one-way delay: 139.650 ms
Loss rate: 4.37%
```

Run 2: Report of FillP — Data Link

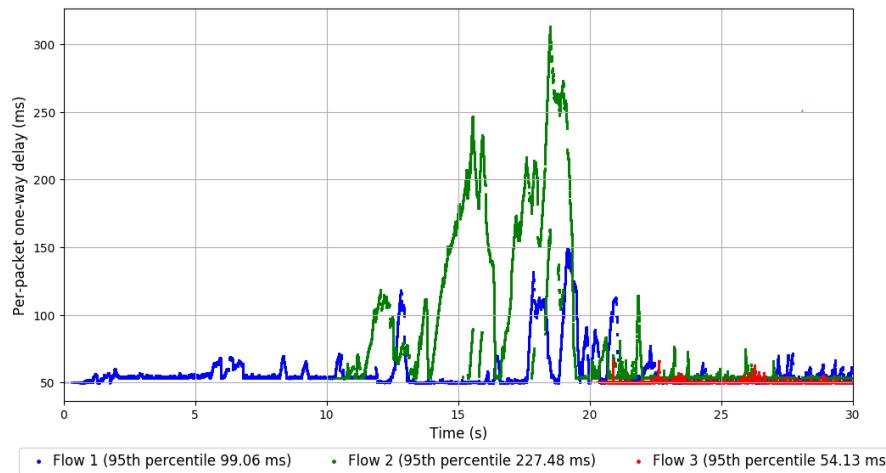
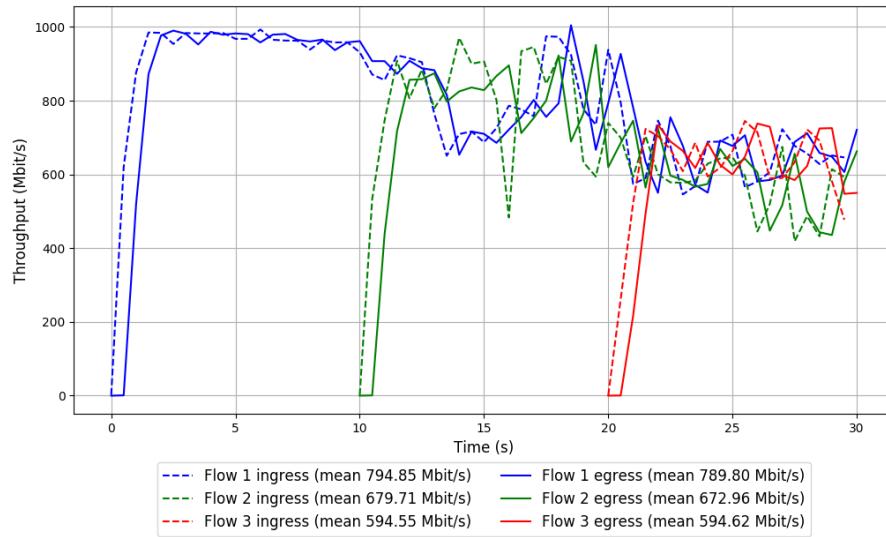


Run 3: Statistics of FillP

```
Start at: 2018-06-01 10:59:58
End at: 2018-06-01 11:00:28
Local clock offset: -0.188 ms
Remote clock offset: 14.239 ms

# Below is generated by plot.py at 2018-06-01 14:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1434.80 Mbit/s
95th percentile per-packet one-way delay: 174.129 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 789.80 Mbit/s
95th percentile per-packet one-way delay: 99.056 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 672.96 Mbit/s
95th percentile per-packet one-way delay: 227.477 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 594.62 Mbit/s
95th percentile per-packet one-way delay: 54.134 ms
Loss rate: 0.00%
```

Run 3: Report of FillP — Data Link

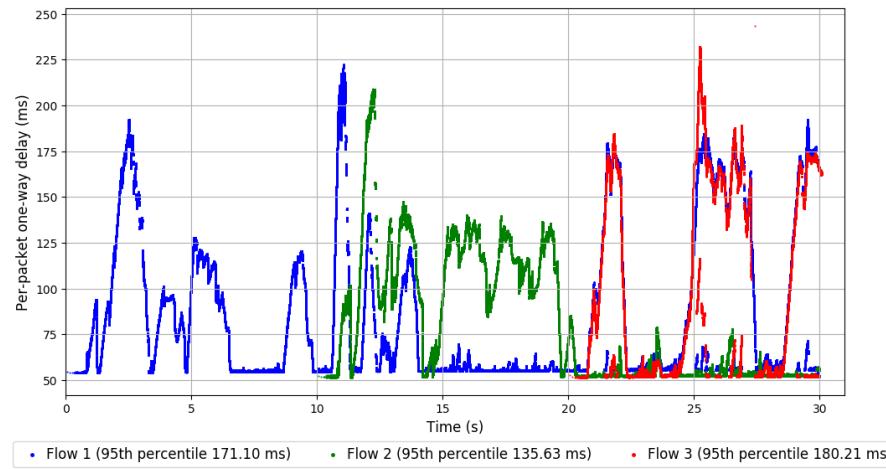
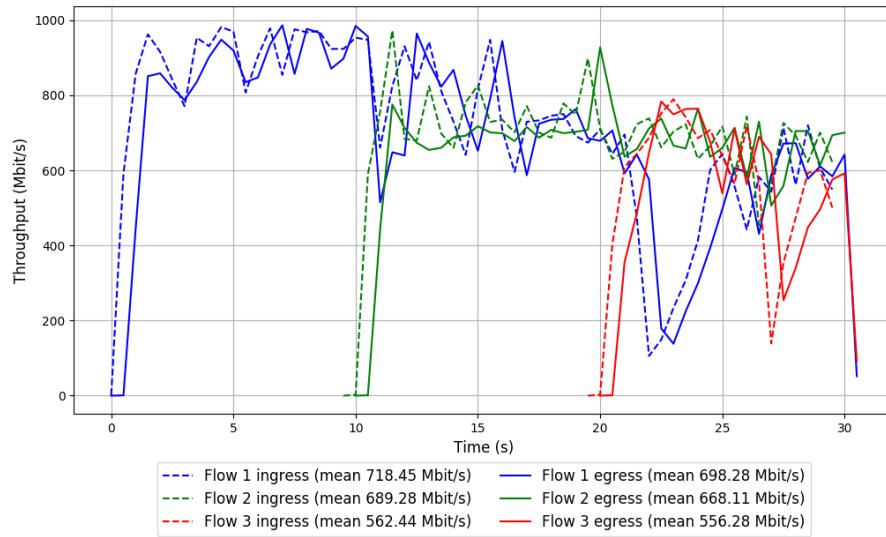


Run 4: Statistics of FillP

```
Start at: 2018-06-01 11:22:40
End at: 2018-06-01 11:23:10
Local clock offset: -0.193 ms
Remote clock offset: 29.216 ms

# Below is generated by plot.py at 2018-06-01 14:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1326.76 Mbit/s
95th percentile per-packet one-way delay: 170.358 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 698.28 Mbit/s
95th percentile per-packet one-way delay: 171.098 ms
Loss rate: 2.61%
-- Flow 2:
Average throughput: 668.11 Mbit/s
95th percentile per-packet one-way delay: 135.628 ms
Loss rate: 3.05%
-- Flow 3:
Average throughput: 556.28 Mbit/s
95th percentile per-packet one-way delay: 180.211 ms
Loss rate: 0.00%
```

Run 4: Report of FillP — Data Link

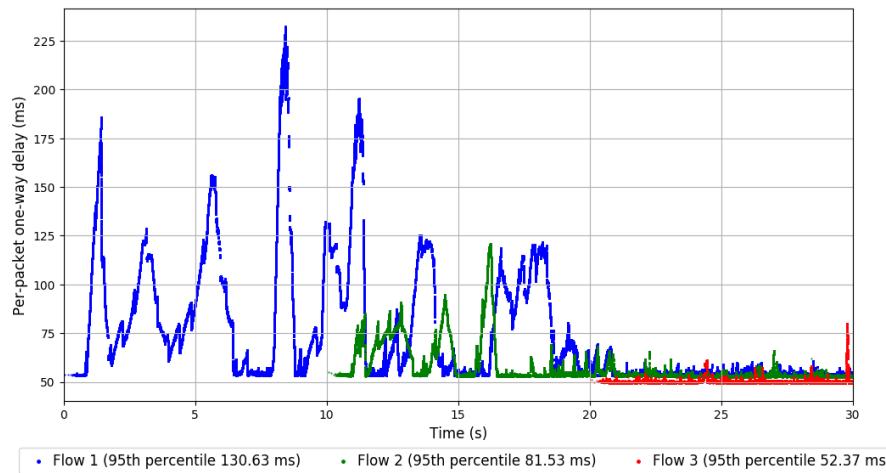
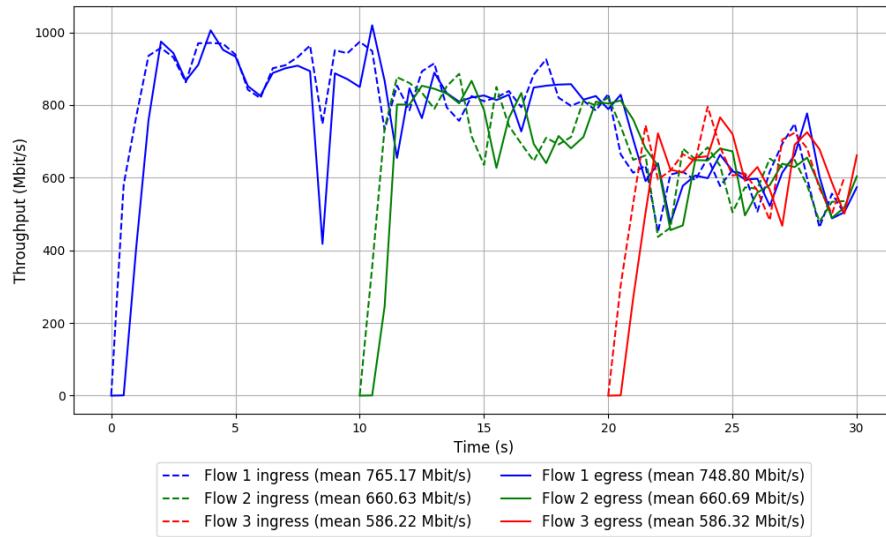


Run 5: Statistics of FillP

```
Start at: 2018-06-01 11:45:26
End at: 2018-06-01 11:45:56
Local clock offset: 0.089 ms
Remote clock offset: 11.846 ms

# Below is generated by plot.py at 2018-06-01 14:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1382.73 Mbit/s
95th percentile per-packet one-way delay: 119.477 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 748.80 Mbit/s
95th percentile per-packet one-way delay: 130.633 ms
Loss rate: 2.15%
-- Flow 2:
Average throughput: 660.69 Mbit/s
95th percentile per-packet one-way delay: 81.527 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 586.32 Mbit/s
95th percentile per-packet one-way delay: 52.371 ms
Loss rate: 0.00%
```

Run 5: Report of FillP — Data Link

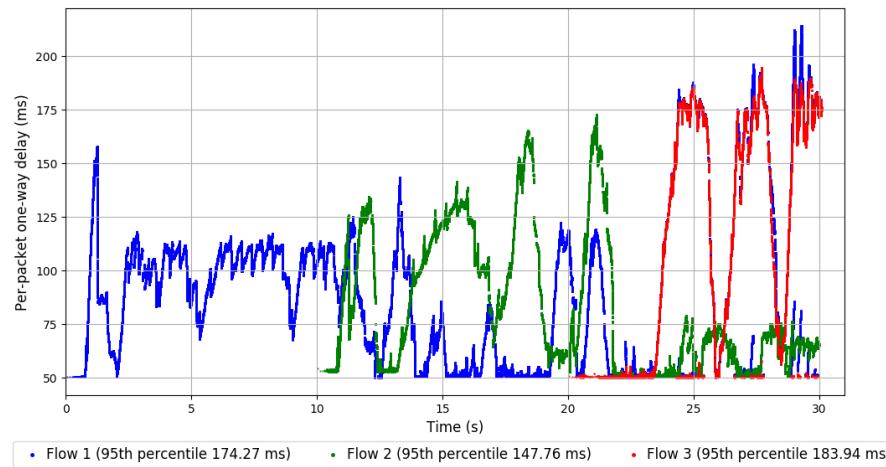
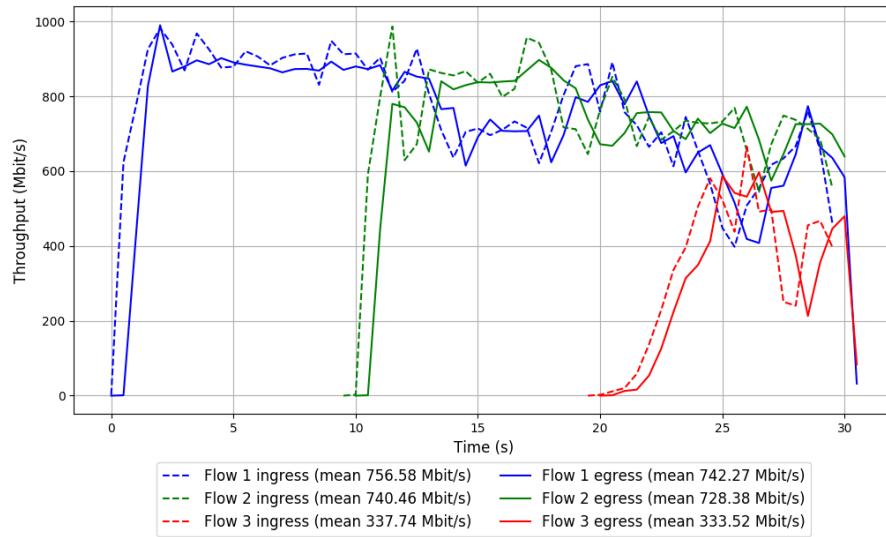


Run 6: Statistics of FillP

```
Start at: 2018-06-01 12:08:36
End at: 2018-06-01 12:09:06
Local clock offset: -0.034 ms
Remote clock offset: 6.108 ms

# Below is generated by plot.py at 2018-06-01 14:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1335.90 Mbit/s
95th percentile per-packet one-way delay: 174.008 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 742.27 Mbit/s
95th percentile per-packet one-way delay: 174.270 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 728.38 Mbit/s
95th percentile per-packet one-way delay: 147.758 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 333.52 Mbit/s
95th percentile per-packet one-way delay: 183.941 ms
Loss rate: 0.01%
```

Run 6: Report of FillP — Data Link

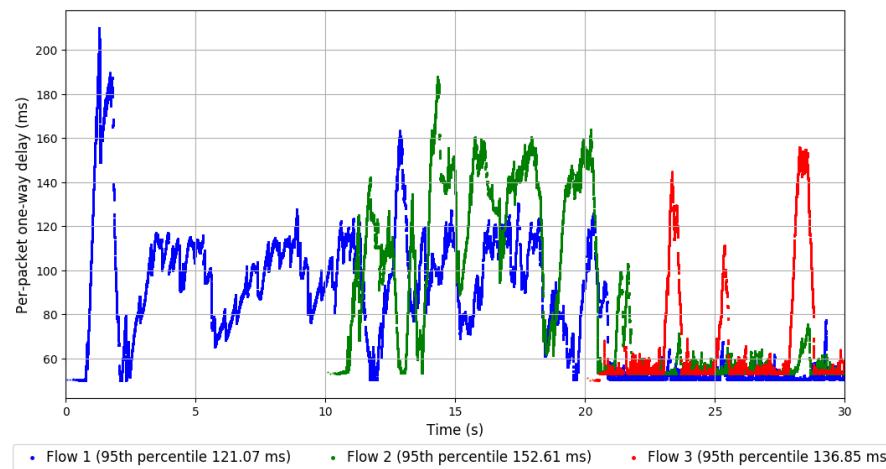
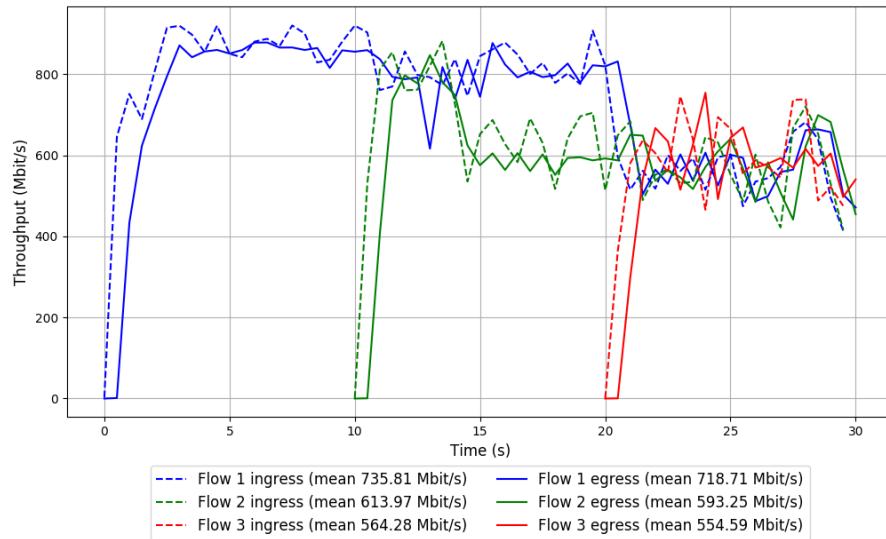


Run 7: Statistics of FillP

```
Start at: 2018-06-01 12:31:59
End at: 2018-06-01 12:32:29
Local clock offset: 0.314 ms
Remote clock offset: 6.33 ms

# Below is generated by plot.py at 2018-06-01 14:59:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1296.38 Mbit/s
95th percentile per-packet one-way delay: 145.608 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 718.71 Mbit/s
95th percentile per-packet one-way delay: 121.072 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 593.25 Mbit/s
95th percentile per-packet one-way delay: 152.606 ms
Loss rate: 3.36%
-- Flow 3:
Average throughput: 554.59 Mbit/s
95th percentile per-packet one-way delay: 136.853 ms
Loss rate: 1.69%
```

Run 7: Report of FillP — Data Link

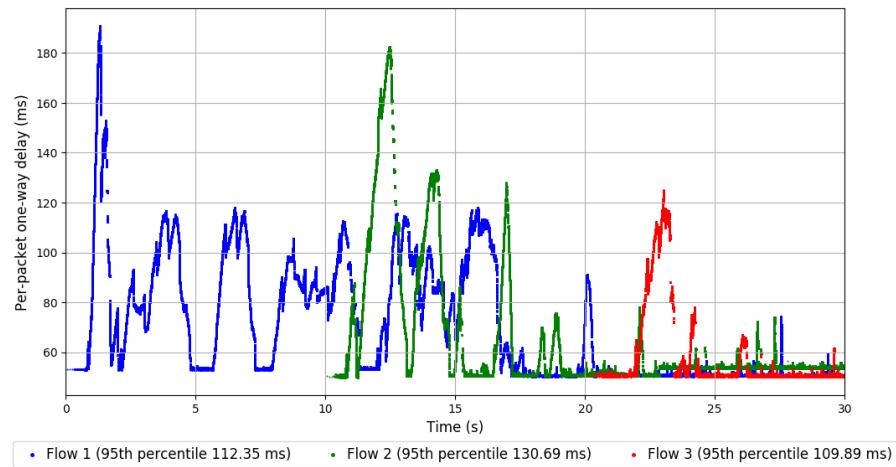
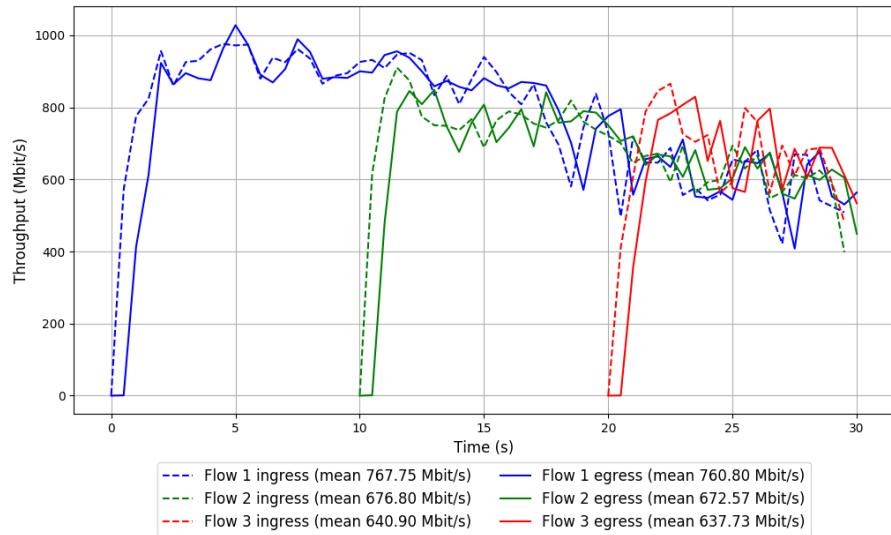


Run 8: Statistics of FillP

```
Start at: 2018-06-01 12:54:37
End at: 2018-06-01 12:55:07
Local clock offset: -0.339 ms
Remote clock offset: 2.821 ms

# Below is generated by plot.py at 2018-06-01 15:01:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1419.46 Mbit/s
95th percentile per-packet one-way delay: 113.808 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 760.80 Mbit/s
95th percentile per-packet one-way delay: 112.348 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 672.57 Mbit/s
95th percentile per-packet one-way delay: 130.686 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 637.73 Mbit/s
95th percentile per-packet one-way delay: 109.889 ms
Loss rate: 0.50%
```

Run 8: Report of FillP — Data Link

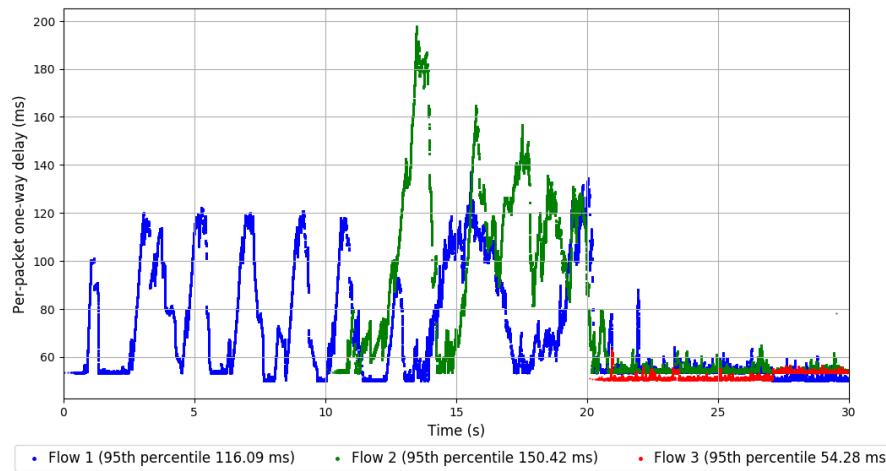
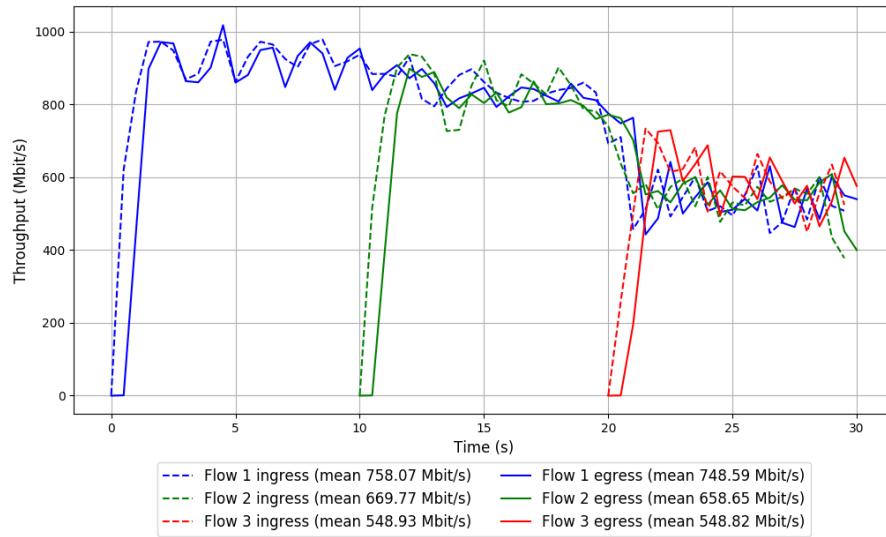


Run 9: Statistics of FillP

```
Start at: 2018-06-01 13:17:13
End at: 2018-06-01 13:17:43
Local clock offset: -0.254 ms
Remote clock offset: 1.034 ms

# Below is generated by plot.py at 2018-06-01 15:23:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1368.60 Mbit/s
95th percentile per-packet one-way delay: 126.089 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 748.59 Mbit/s
95th percentile per-packet one-way delay: 116.089 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 658.65 Mbit/s
95th percentile per-packet one-way delay: 150.417 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 548.82 Mbit/s
95th percentile per-packet one-way delay: 54.278 ms
Loss rate: 0.04%
```

Run 9: Report of FillP — Data Link

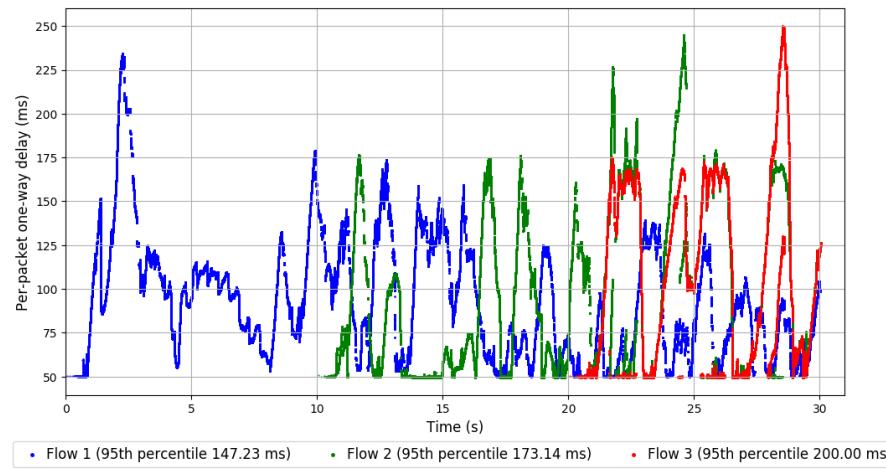
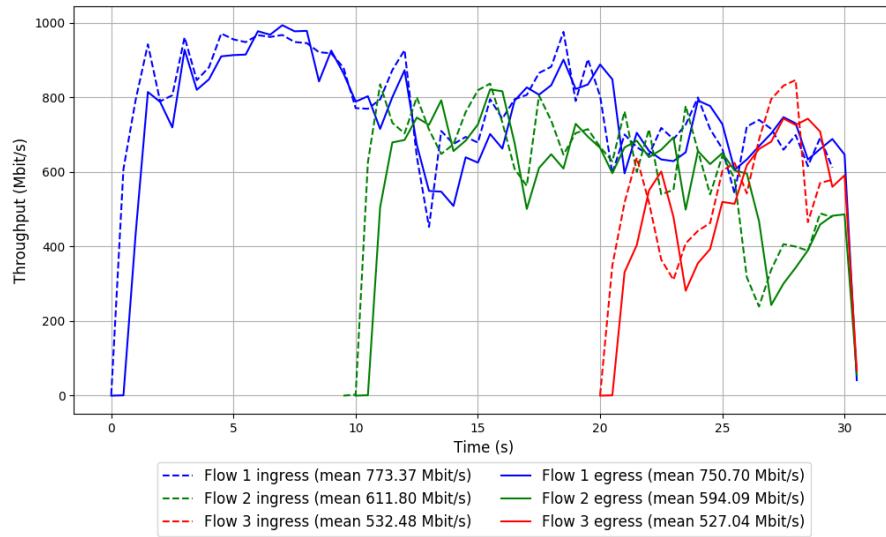


Run 10: Statistics of FillP

```
Start at: 2018-06-01 13:39:56
End at: 2018-06-01 13:40:26
Local clock offset: -0.163 ms
Remote clock offset: 0.274 ms

# Below is generated by plot.py at 2018-06-01 15:23:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1321.81 Mbit/s
95th percentile per-packet one-way delay: 169.043 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 750.70 Mbit/s
95th percentile per-packet one-way delay: 147.228 ms
Loss rate: 2.77%
-- Flow 2:
Average throughput: 594.09 Mbit/s
95th percentile per-packet one-way delay: 173.142 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 527.04 Mbit/s
95th percentile per-packet one-way delay: 199.996 ms
Loss rate: 0.26%
```

Run 10: Report of FillP — Data Link

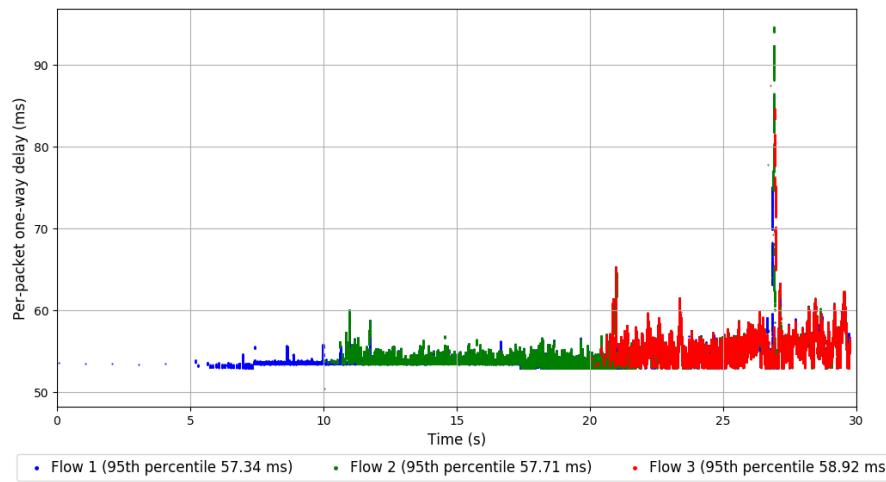
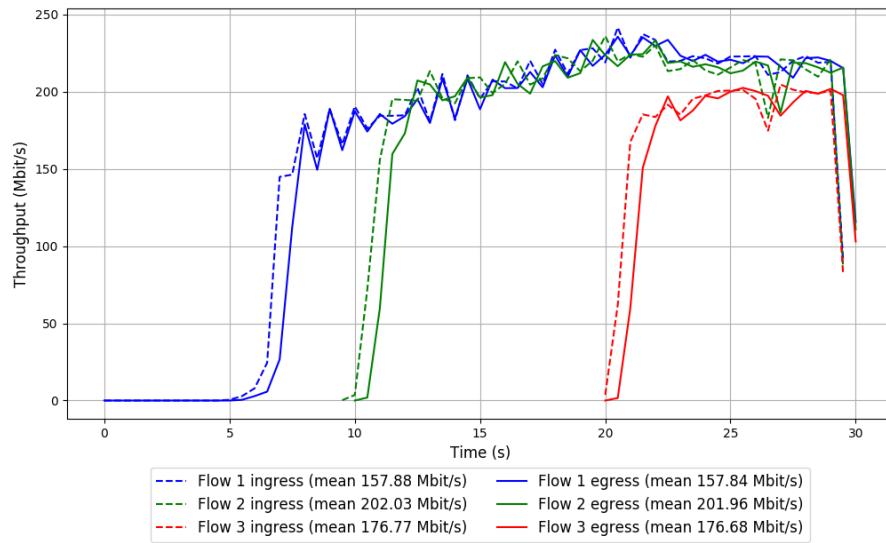


Run 1: Statistics of Indigo

```
Start at: 2018-06-01 10:24:22
End at: 2018-06-01 10:24:52
Local clock offset: -0.325 ms
Remote clock offset: -0.286 ms

# Below is generated by plot.py at 2018-06-01 15:23:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 349.59 Mbit/s
95th percentile per-packet one-way delay: 57.827 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 157.84 Mbit/s
95th percentile per-packet one-way delay: 57.338 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 201.96 Mbit/s
95th percentile per-packet one-way delay: 57.711 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 176.68 Mbit/s
95th percentile per-packet one-way delay: 58.921 ms
Loss rate: 0.07%
```

Run 1: Report of Indigo — Data Link

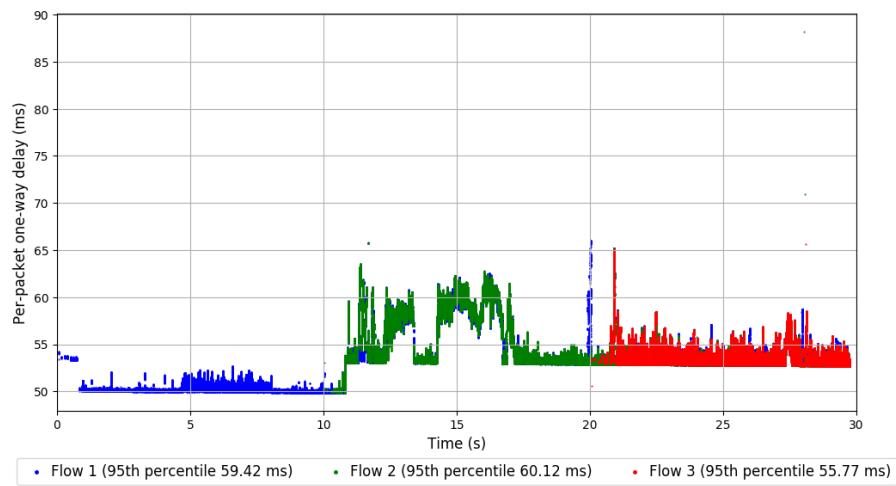
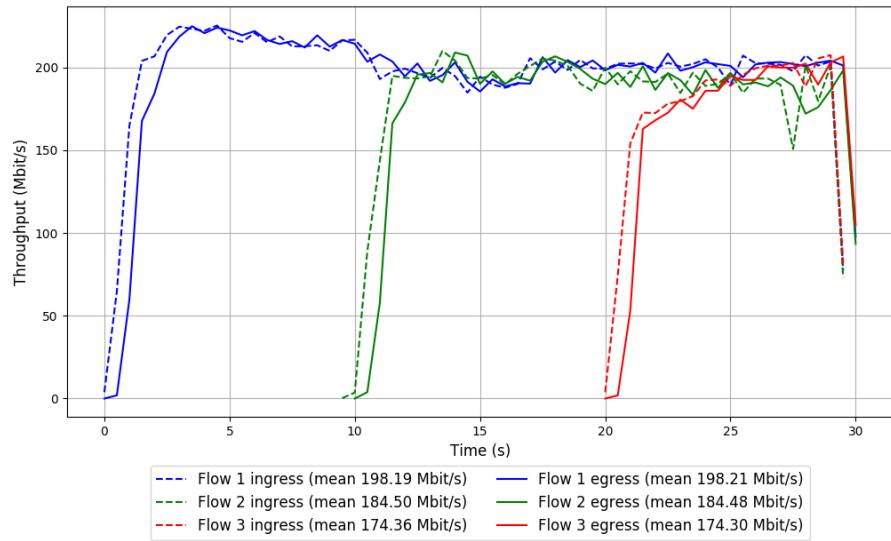


Run 2: Statistics of Indigo

```
Start at: 2018-06-01 10:46:39
End at: 2018-06-01 10:47:09
Local clock offset: -0.219 ms
Remote clock offset: 15.257 ms

# Below is generated by plot.py at 2018-06-01 15:23:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 377.34 Mbit/s
95th percentile per-packet one-way delay: 59.513 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 198.21 Mbit/s
95th percentile per-packet one-way delay: 59.417 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 184.48 Mbit/s
95th percentile per-packet one-way delay: 60.123 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 174.30 Mbit/s
95th percentile per-packet one-way delay: 55.766 ms
Loss rate: 0.05%
```

Run 2: Report of Indigo — Data Link

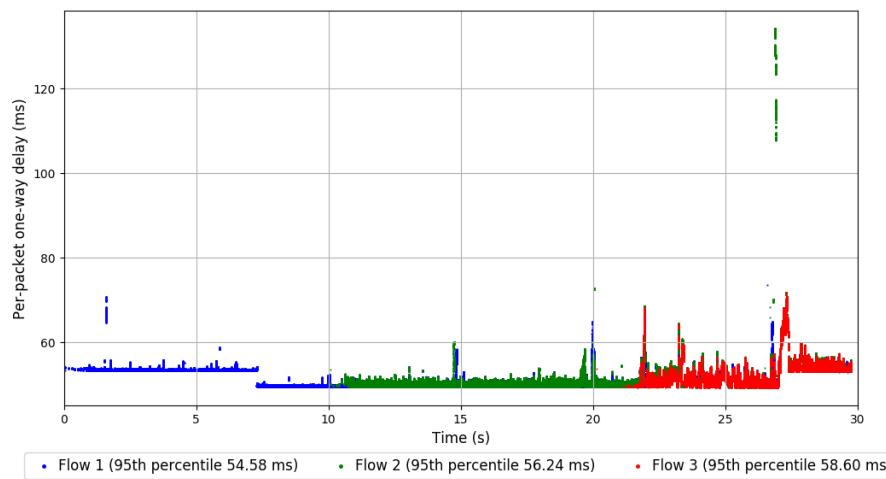
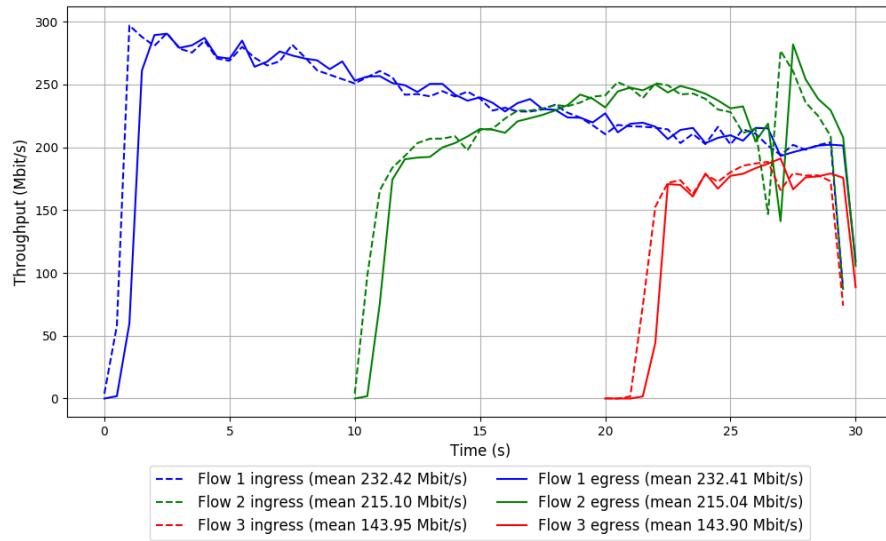


Run 3: Statistics of Indigo

```
Start at: 2018-06-01 11:09:32
End at: 2018-06-01 11:10:02
Local clock offset: 0.035 ms
Remote clock offset: 20.101 ms

# Below is generated by plot.py at 2018-06-01 15:23:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.70 Mbit/s
95th percentile per-packet one-way delay: 55.517 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 232.41 Mbit/s
95th percentile per-packet one-way delay: 54.575 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 215.04 Mbit/s
95th percentile per-packet one-way delay: 56.244 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 143.90 Mbit/s
95th percentile per-packet one-way delay: 58.596 ms
Loss rate: 0.08%
```

Run 3: Report of Indigo — Data Link

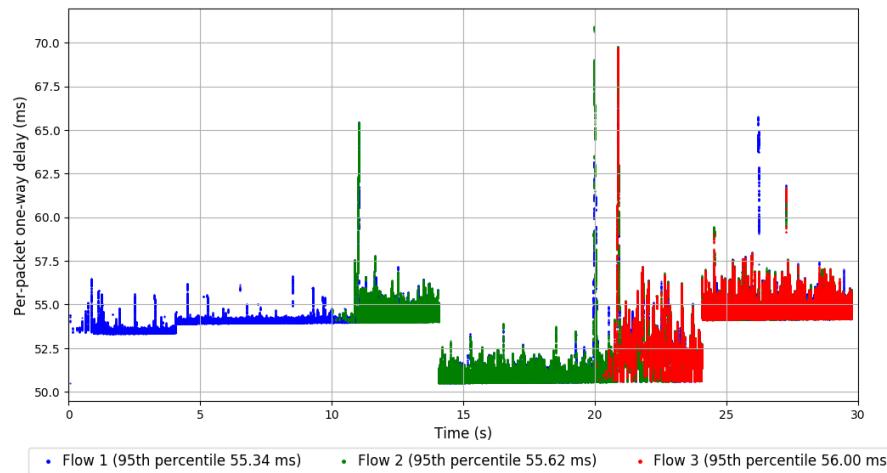
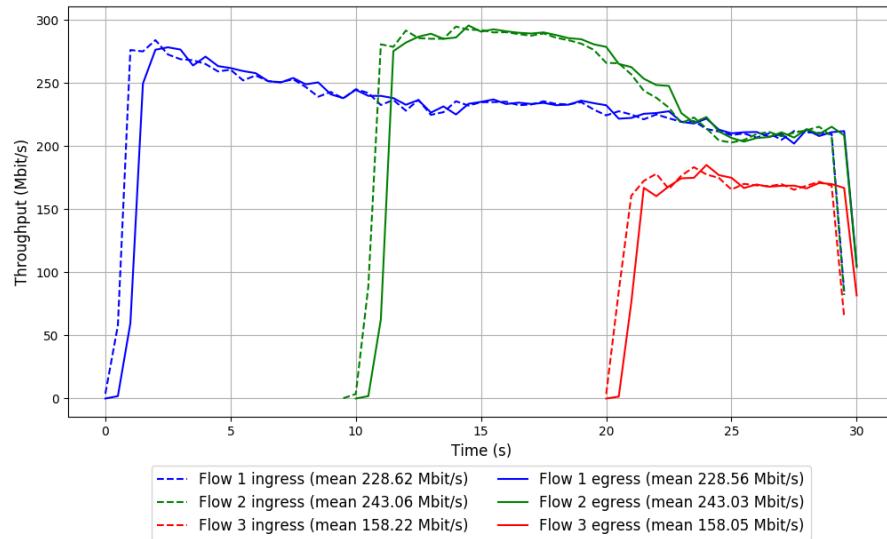


Run 4: Statistics of Indigo

```
Start at: 2018-06-01 11:32:15
End at: 2018-06-01 11:32:45
Local clock offset: -0.366 ms
Remote clock offset: 13.693 ms

# Below is generated by plot.py at 2018-06-01 15:23:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 441.26 Mbit/s
95th percentile per-packet one-way delay: 55.568 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 228.56 Mbit/s
95th percentile per-packet one-way delay: 55.336 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 243.03 Mbit/s
95th percentile per-packet one-way delay: 55.622 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 158.05 Mbit/s
95th percentile per-packet one-way delay: 55.999 ms
Loss rate: 0.12%
```

Run 4: Report of Indigo — Data Link

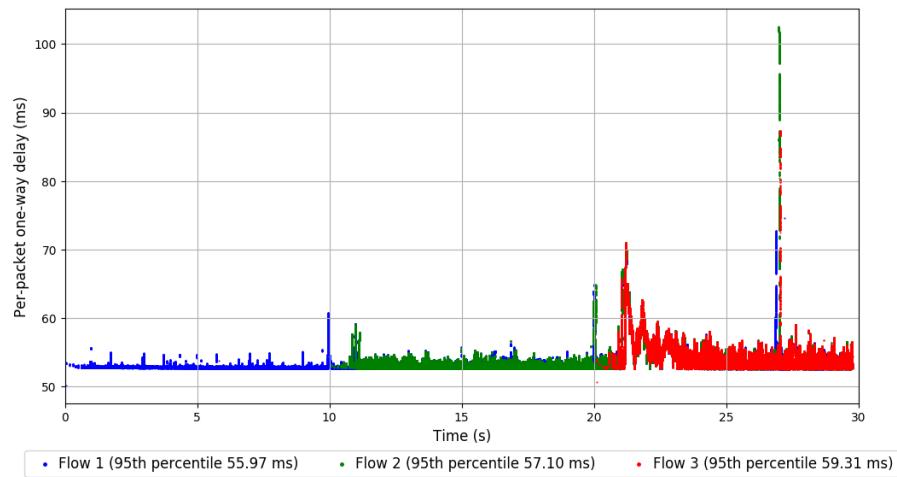
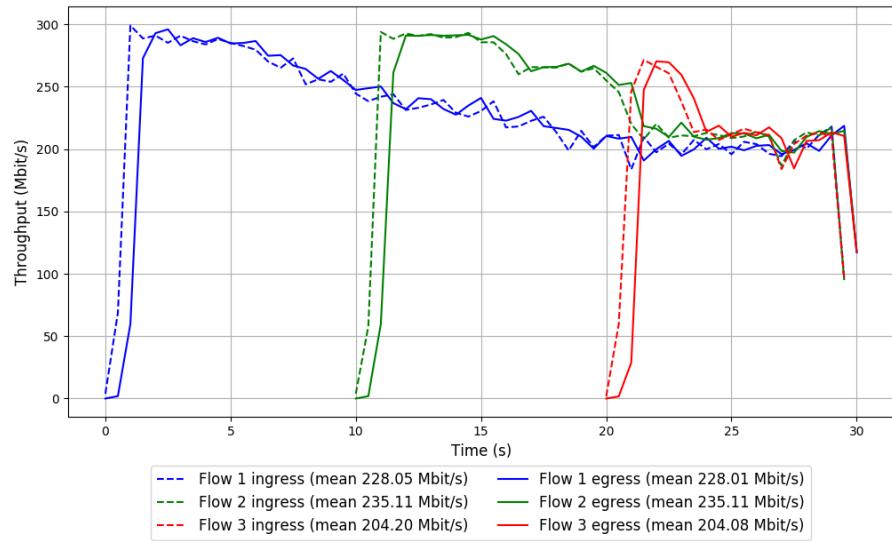


Run 5: Statistics of Indigo

```
Start at: 2018-06-01 11:55:19
End at: 2018-06-01 11:55:49
Local clock offset: 0.014 ms
Remote clock offset: 14.873 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 450.26 Mbit/s
95th percentile per-packet one-way delay: 57.062 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 228.01 Mbit/s
95th percentile per-packet one-way delay: 55.969 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 235.11 Mbit/s
95th percentile per-packet one-way delay: 57.096 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 204.08 Mbit/s
95th percentile per-packet one-way delay: 59.310 ms
Loss rate: 0.03%
```

Run 5: Report of Indigo — Data Link

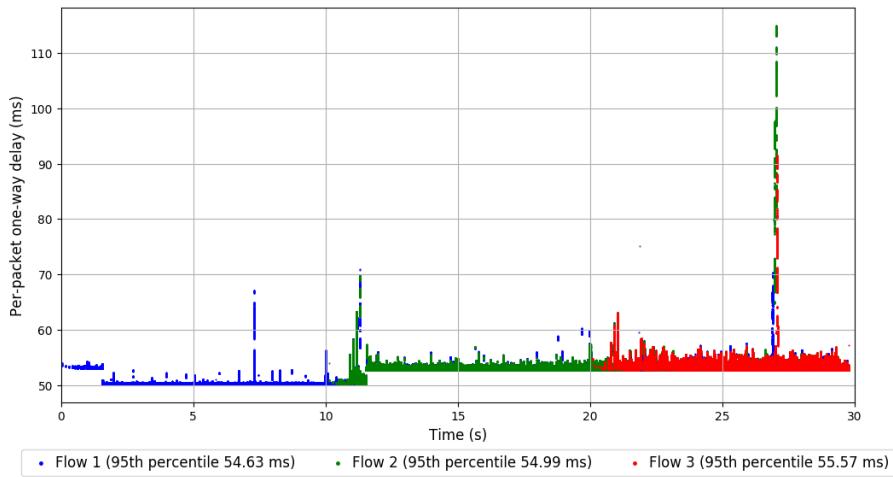
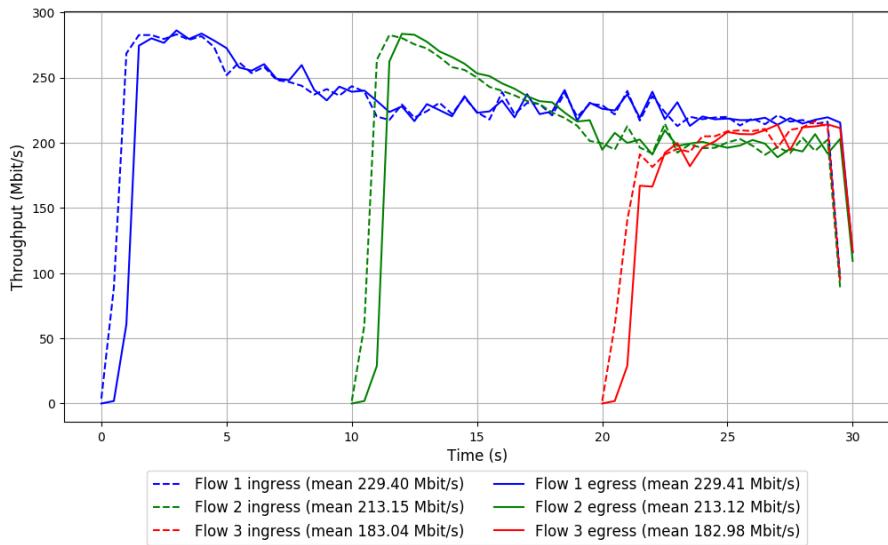


Run 6: Statistics of Indigo

```
Start at: 2018-06-01 12:18:38
End at: 2018-06-01 12:19:08
Local clock offset: -0.199 ms
Remote clock offset: 5.407 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 429.66 Mbit/s
95th percentile per-packet one-way delay: 54.951 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 229.41 Mbit/s
95th percentile per-packet one-way delay: 54.633 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 213.12 Mbit/s
95th percentile per-packet one-way delay: 54.987 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 182.98 Mbit/s
95th percentile per-packet one-way delay: 55.574 ms
Loss rate: 0.02%
```

Run 6: Report of Indigo — Data Link

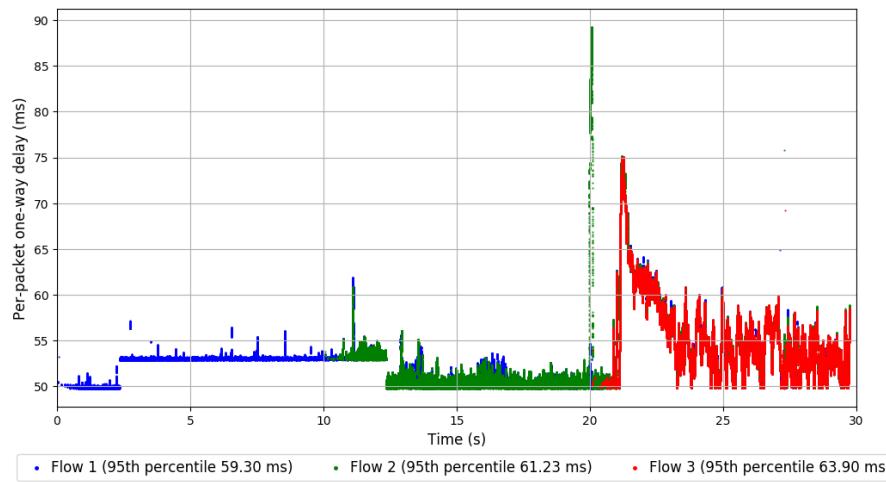
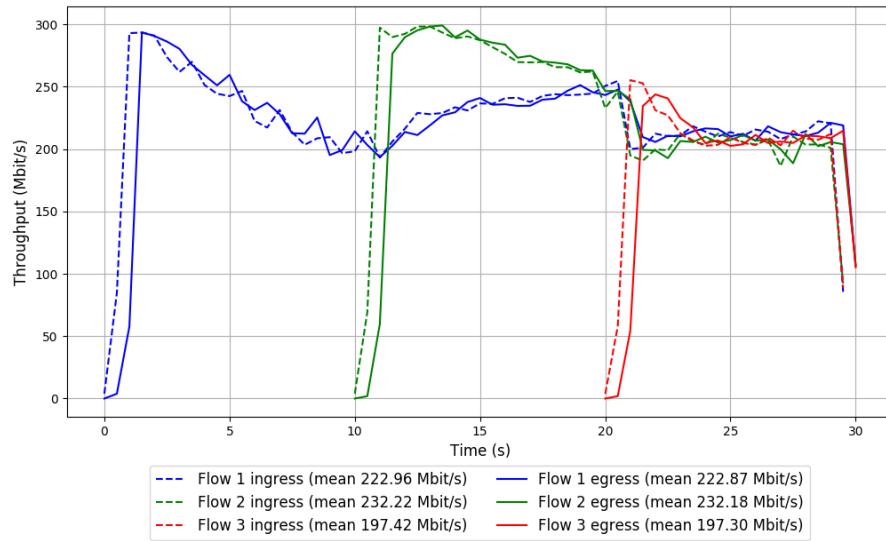


Run 7: Statistics of Indigo

```
Start at: 2018-06-01 12:41:27
End at: 2018-06-01 12:41:57
Local clock offset: -0.008 ms
Remote clock offset: 3.078 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 441.01 Mbit/s
95th percentile per-packet one-way delay: 61.345 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 222.87 Mbit/s
95th percentile per-packet one-way delay: 59.301 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 232.18 Mbit/s
95th percentile per-packet one-way delay: 61.230 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 197.30 Mbit/s
95th percentile per-packet one-way delay: 63.901 ms
Loss rate: 0.07%
```

Run 7: Report of Indigo — Data Link

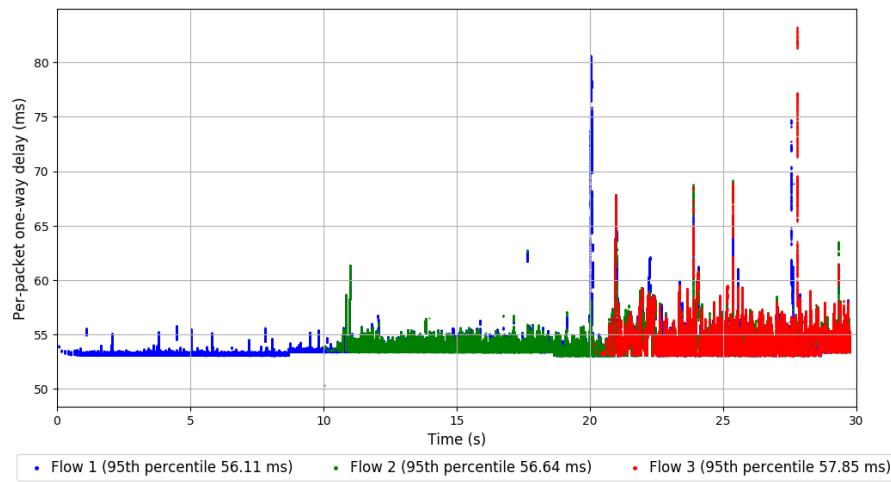
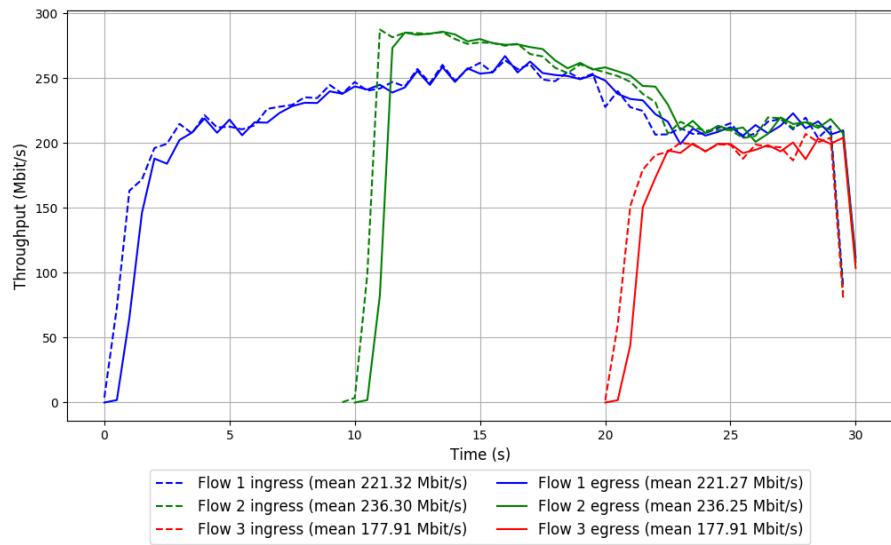


Run 8: Statistics of Indigo

```
Start at: 2018-06-01 13:04:01
End at: 2018-06-01 13:04:31
Local clock offset: -0.171 ms
Remote clock offset: 3.549 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 435.66 Mbit/s
95th percentile per-packet one-way delay: 56.661 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 221.27 Mbit/s
95th percentile per-packet one-way delay: 56.113 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 236.25 Mbit/s
95th percentile per-packet one-way delay: 56.636 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 177.91 Mbit/s
95th percentile per-packet one-way delay: 57.855 ms
Loss rate: 0.03%
```

Run 8: Report of Indigo — Data Link

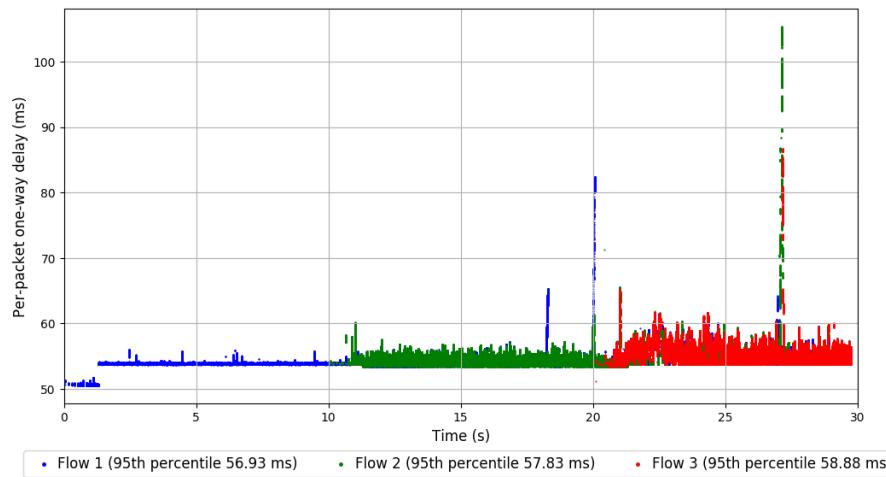
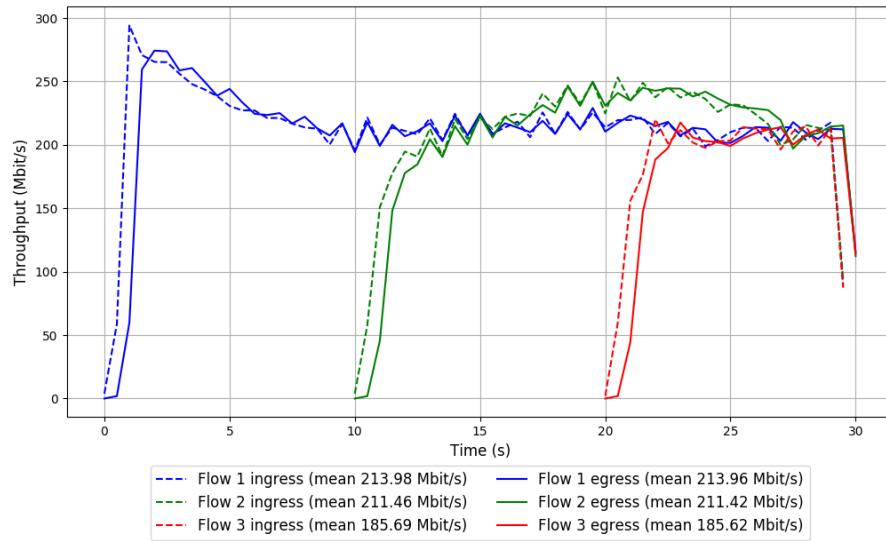


Run 9: Statistics of Indigo

```
Start at: 2018-06-01 13:26:48
End at: 2018-06-01 13:27:18
Local clock offset: -0.337 ms
Remote clock offset: 0.755 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 414.58 Mbit/s
95th percentile per-packet one-way delay: 57.660 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 213.96 Mbit/s
95th percentile per-packet one-way delay: 56.931 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 211.42 Mbit/s
95th percentile per-packet one-way delay: 57.828 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 185.62 Mbit/s
95th percentile per-packet one-way delay: 58.880 ms
Loss rate: 0.03%
```

Run 9: Report of Indigo — Data Link

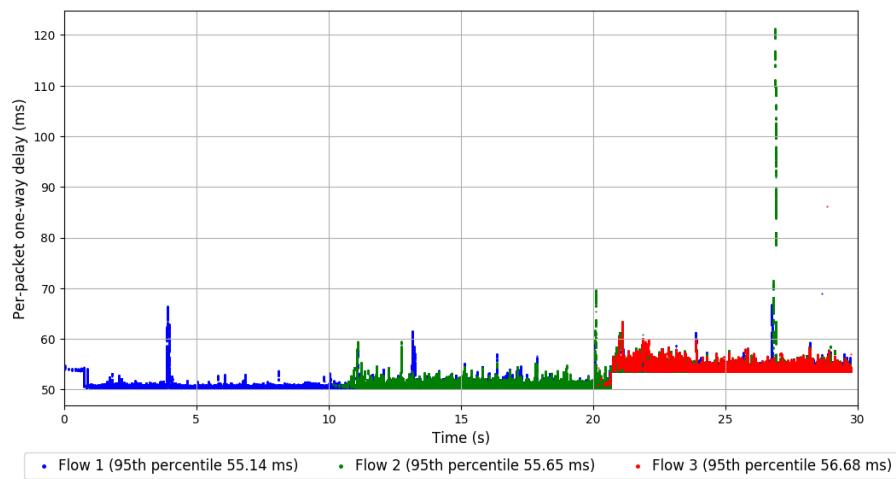
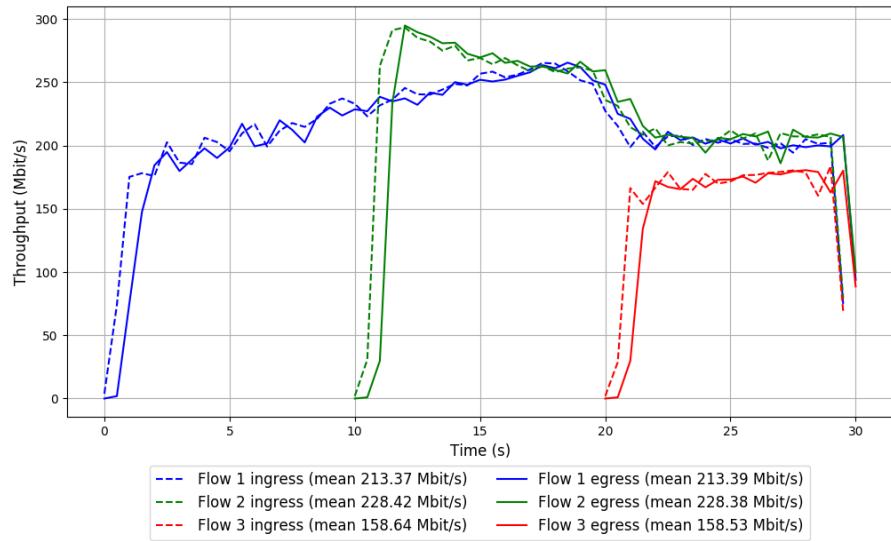


Run 10: Statistics of Indigo

```
Start at: 2018-06-01 13:49:19
End at: 2018-06-01 13:49:49
Local clock offset: -0.448 ms
Remote clock offset: 0.202 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 414.98 Mbit/s
95th percentile per-packet one-way delay: 55.646 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 213.39 Mbit/s
95th percentile per-packet one-way delay: 55.144 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 228.38 Mbit/s
95th percentile per-packet one-way delay: 55.652 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 158.53 Mbit/s
95th percentile per-packet one-way delay: 56.677 ms
Loss rate: 0.03%
```

Run 10: Report of Indigo — Data Link

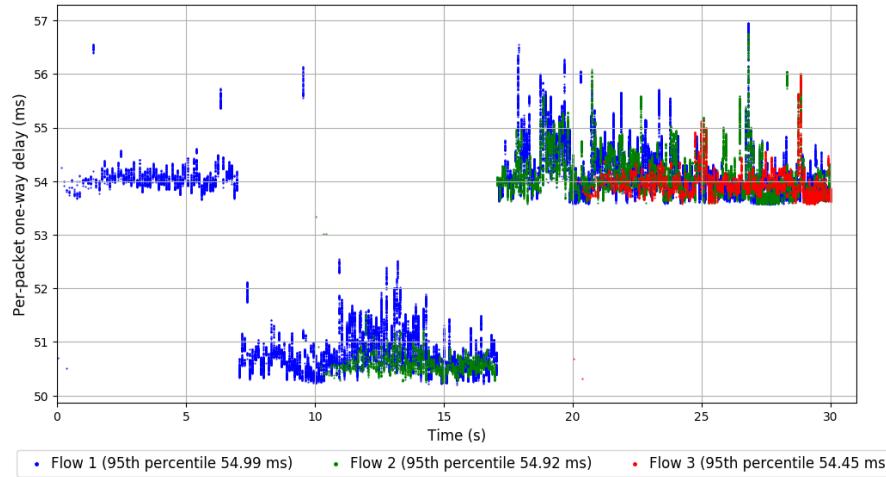
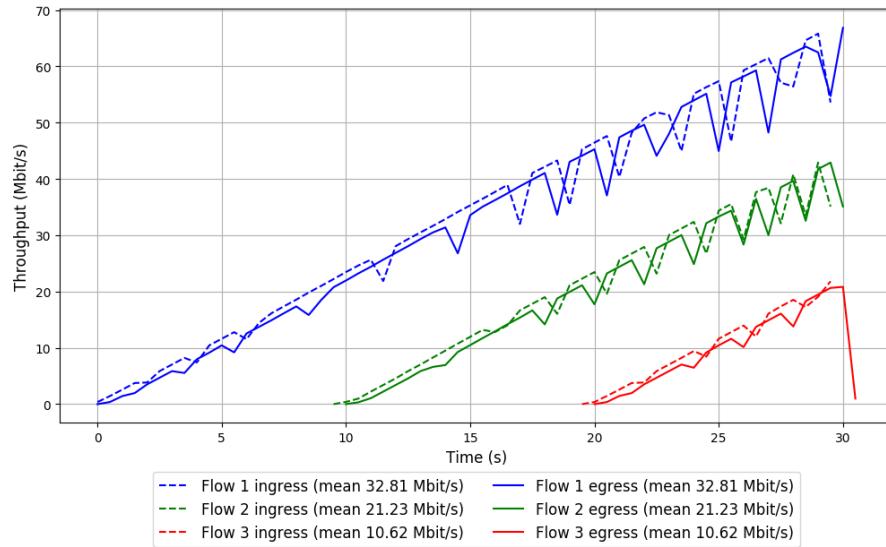


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-01 10:25:53
End at: 2018-06-01 10:26:23
Local clock offset: -0.301 ms
Remote clock offset: -0.115 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 54.944 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.81 Mbit/s
95th percentile per-packet one-way delay: 54.990 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.23 Mbit/s
95th percentile per-packet one-way delay: 54.921 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.62 Mbit/s
95th percentile per-packet one-way delay: 54.455 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

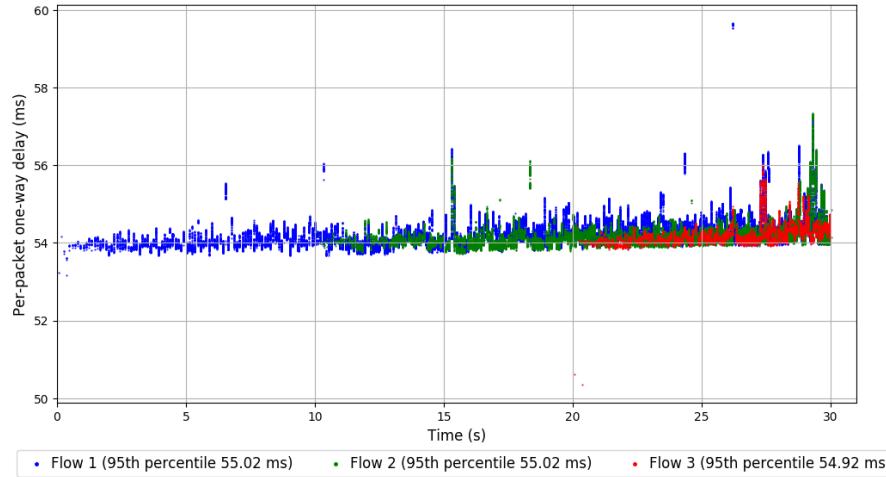
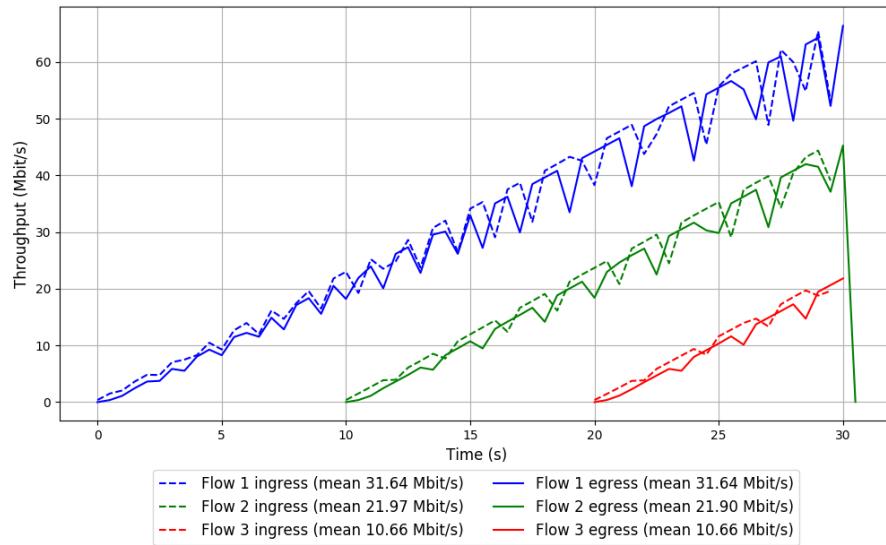


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-01 10:48:11
End at: 2018-06-01 10:48:41
Local clock offset: -0.086 ms
Remote clock offset: 17.036 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.67 Mbit/s
95th percentile per-packet one-way delay: 55.006 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 55.022 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.90 Mbit/s
95th percentile per-packet one-way delay: 55.017 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 10.66 Mbit/s
95th percentile per-packet one-way delay: 54.918 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

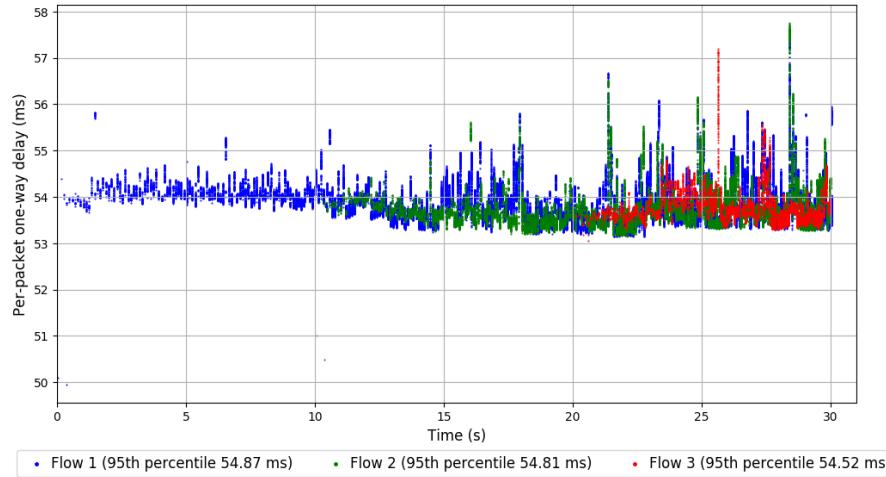
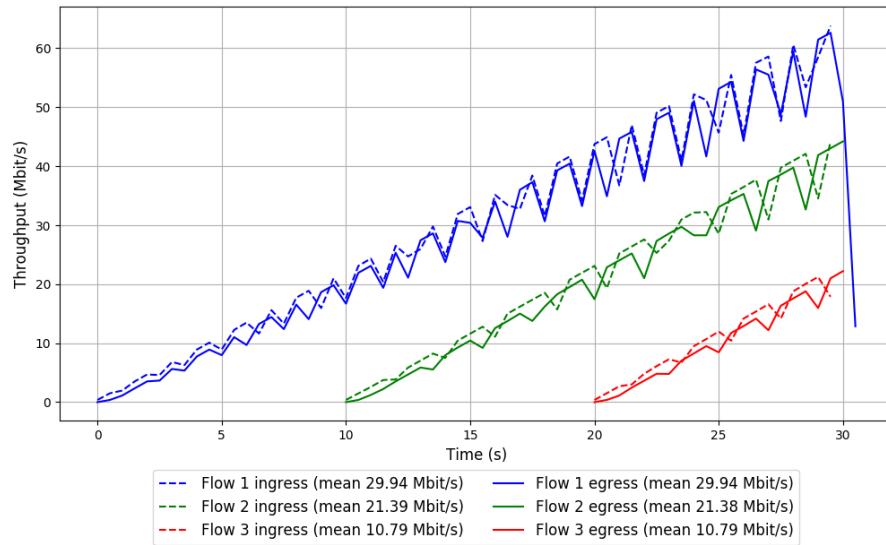


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-01 11:11:07
End at: 2018-06-01 11:11:37
Local clock offset: -0.161 ms
Remote clock offset: 21.258 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.71 Mbit/s
95th percentile per-packet one-way delay: 54.834 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 54.870 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.38 Mbit/s
95th percentile per-packet one-way delay: 54.810 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.79 Mbit/s
95th percentile per-packet one-way delay: 54.515 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

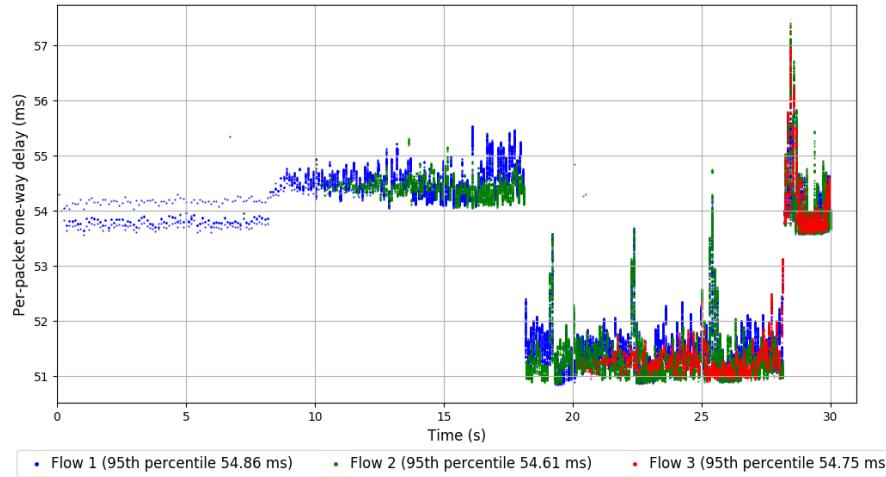
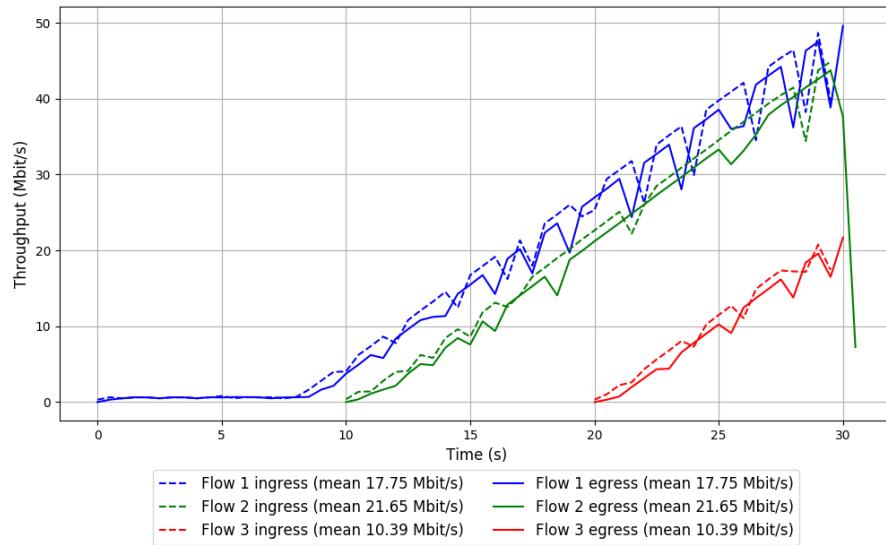


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-01 11:33:52
End at: 2018-06-01 11:34:22
Local clock offset: -0.562 ms
Remote clock offset: 12.667 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.55 Mbit/s
95th percentile per-packet one-way delay: 54.760 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 17.75 Mbit/s
95th percentile per-packet one-way delay: 54.858 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.65 Mbit/s
95th percentile per-packet one-way delay: 54.613 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.39 Mbit/s
95th percentile per-packet one-way delay: 54.749 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

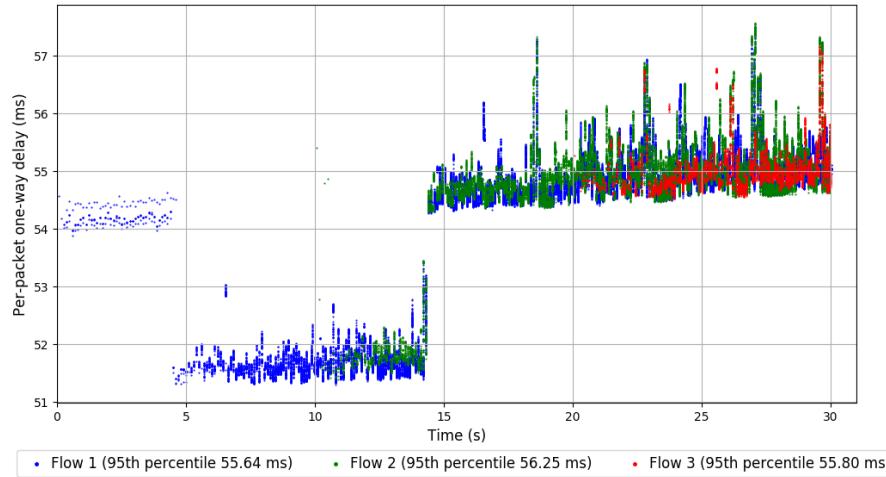
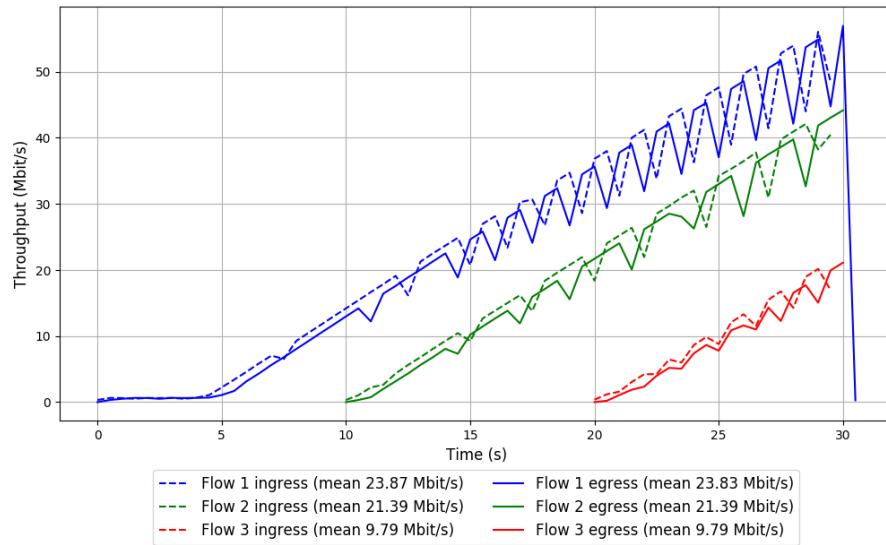


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-01 11:56:55
End at: 2018-06-01 11:57:25
Local clock offset: -0.408 ms
Remote clock offset: 14.768 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.27 Mbit/s
95th percentile per-packet one-way delay: 55.827 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 23.83 Mbit/s
95th percentile per-packet one-way delay: 55.639 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 21.39 Mbit/s
95th percentile per-packet one-way delay: 56.248 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.79 Mbit/s
95th percentile per-packet one-way delay: 55.802 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

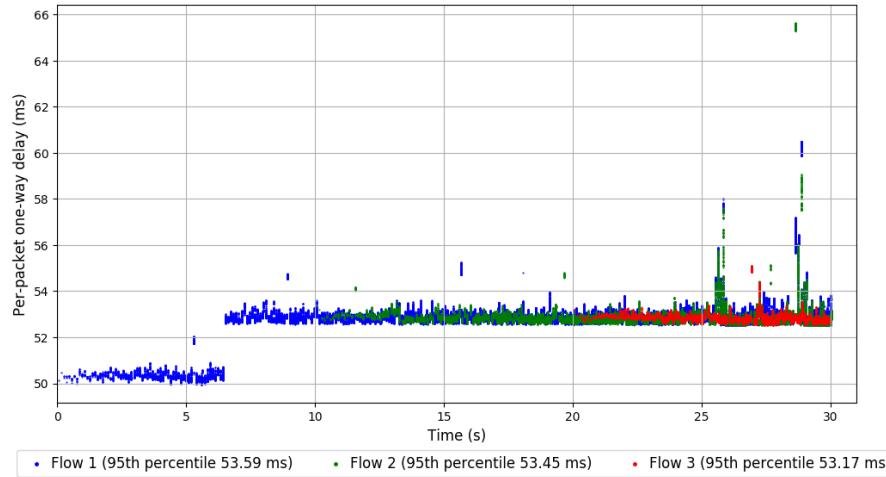
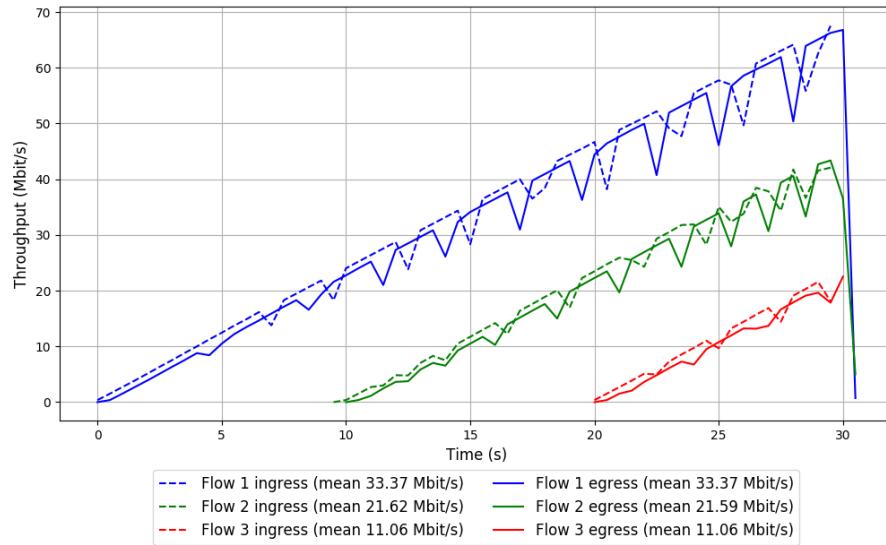


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-01 12:20:13
End at: 2018-06-01 12:20:43
Local clock offset: -0.002 ms
Remote clock offset: 5.501 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.38 Mbit/s
95th percentile per-packet one-way delay: 53.550 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 33.37 Mbit/s
95th percentile per-packet one-way delay: 53.594 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.59 Mbit/s
95th percentile per-packet one-way delay: 53.447 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 11.06 Mbit/s
95th percentile per-packet one-way delay: 53.171 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

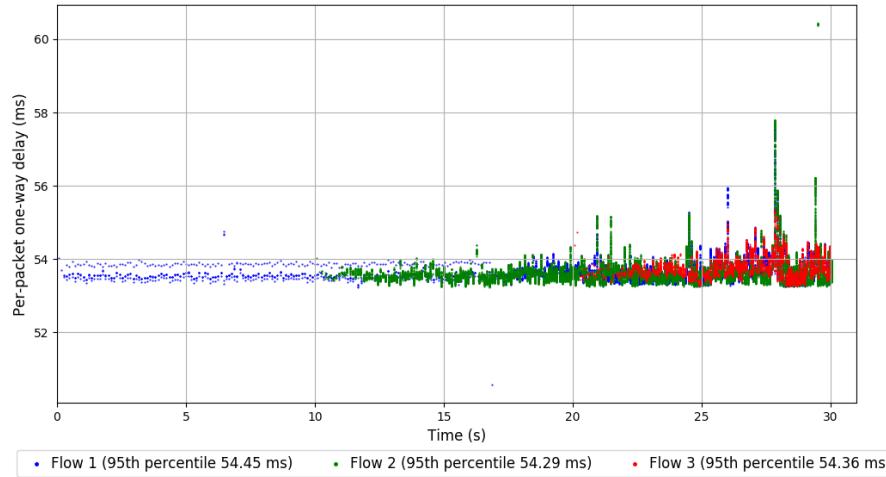
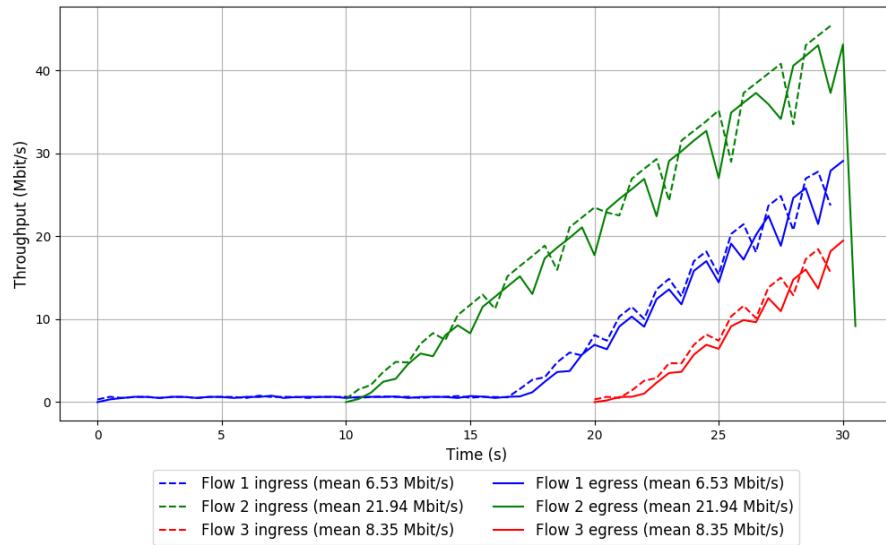


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-01 12:43:03
End at: 2018-06-01 12:43:33
Local clock offset: -0.344 ms
Remote clock offset: 2.831 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 54.356 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: 54.449 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.94 Mbit/s
95th percentile per-packet one-way delay: 54.289 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 54.364 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

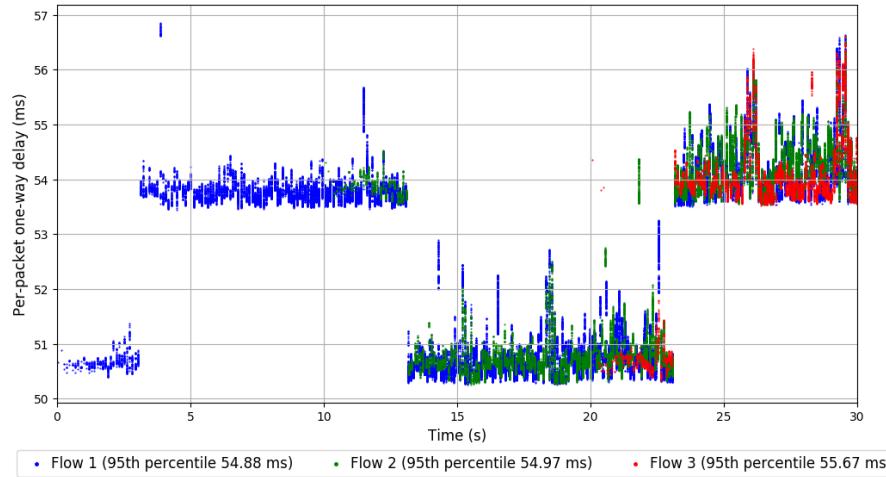
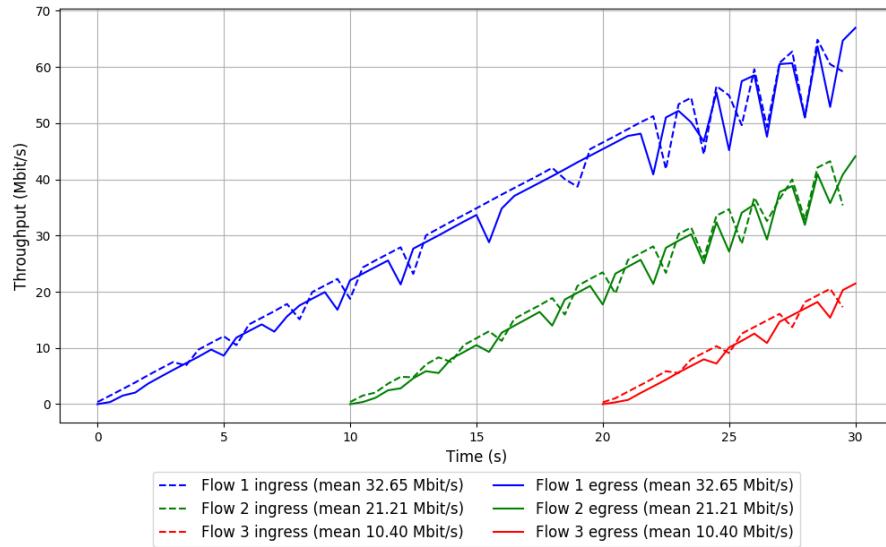


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-01 13:05:37
End at: 2018-06-01 13:06:07
Local clock offset: -0.257 ms
Remote clock offset: 3.081 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.20 Mbit/s
95th percentile per-packet one-way delay: 54.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.65 Mbit/s
95th percentile per-packet one-way delay: 54.883 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 54.966 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.40 Mbit/s
95th percentile per-packet one-way delay: 55.669 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

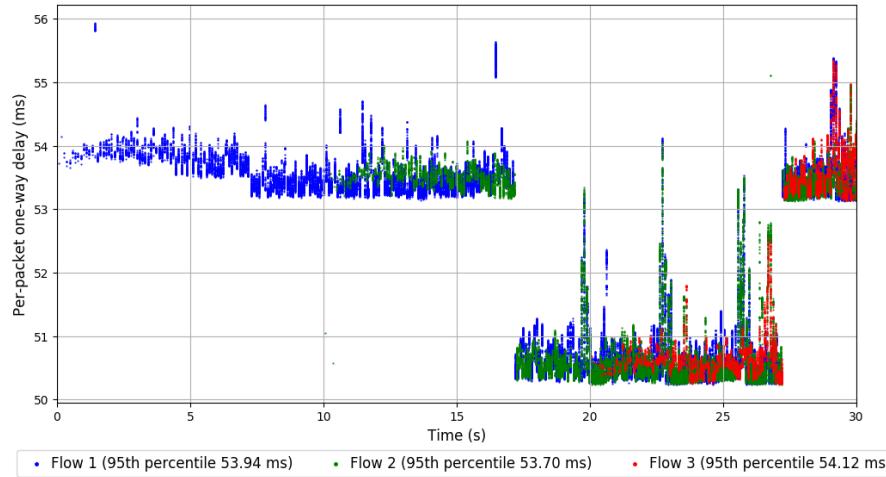
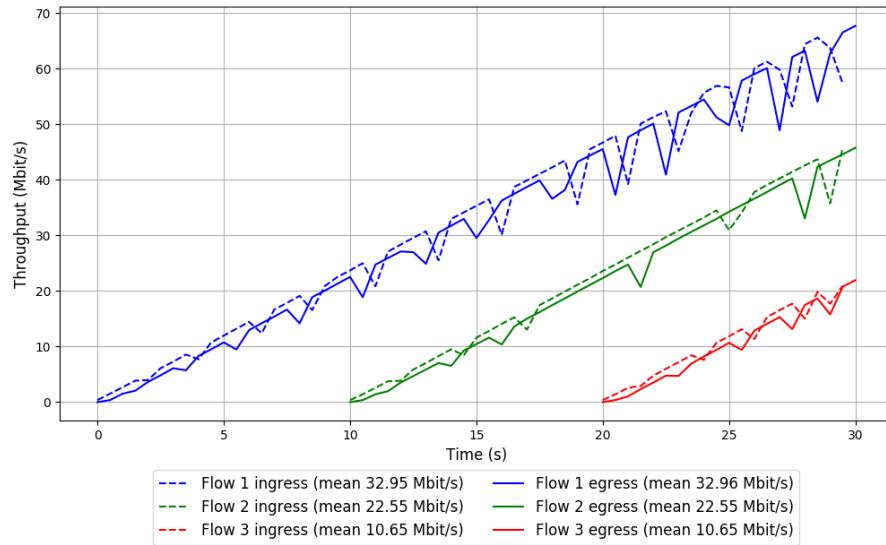


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-01 13:28:23
End at: 2018-06-01 13:28:53
Local clock offset: -0.11 ms
Remote clock offset: 0.705 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.47 Mbit/s
95th percentile per-packet one-way delay: 53.895 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 53.938 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.55 Mbit/s
95th percentile per-packet one-way delay: 53.705 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.65 Mbit/s
95th percentile per-packet one-way delay: 54.124 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

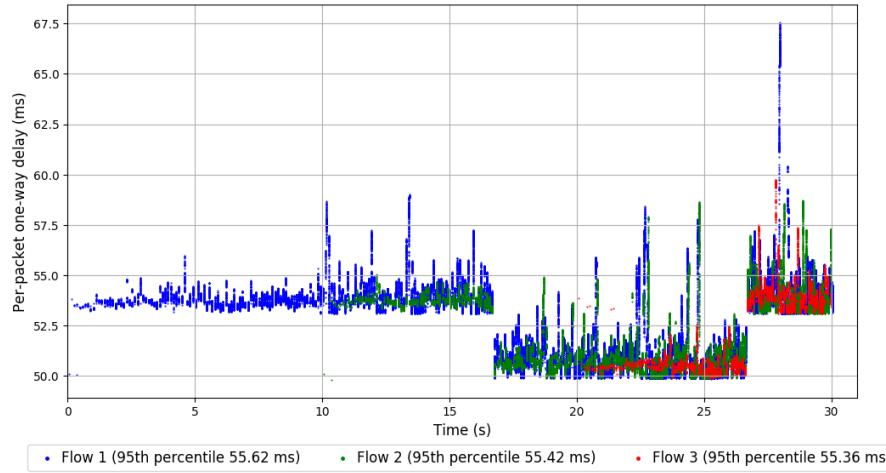
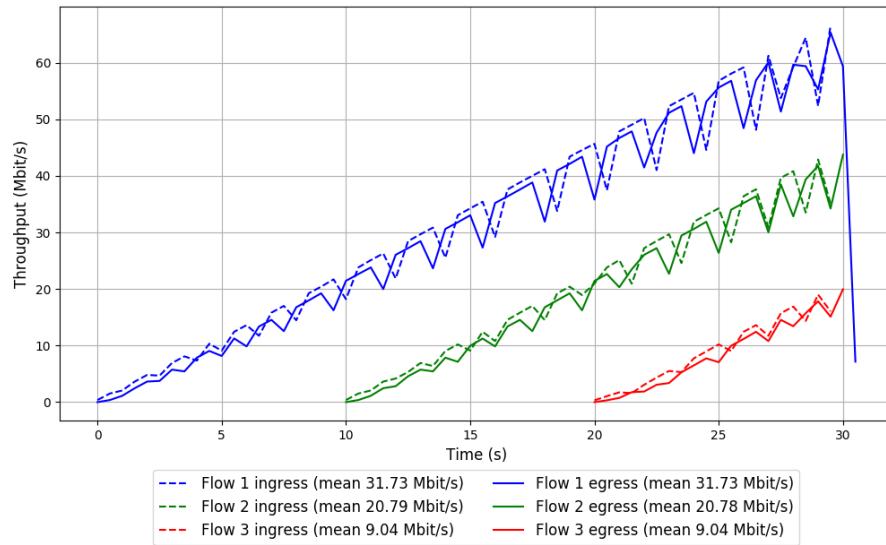


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-01 13:50:53
End at: 2018-06-01 13:51:23
Local clock offset: 0.17 ms
Remote clock offset: 0.273 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.51 Mbit/s
95th percentile per-packet one-way delay: 55.570 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 55.623 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.78 Mbit/s
95th percentile per-packet one-way delay: 55.416 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.04 Mbit/s
95th percentile per-packet one-way delay: 55.358 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

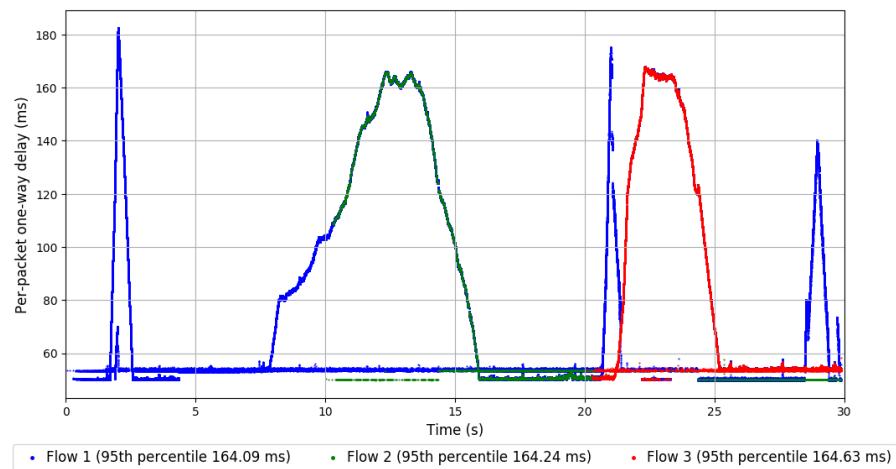
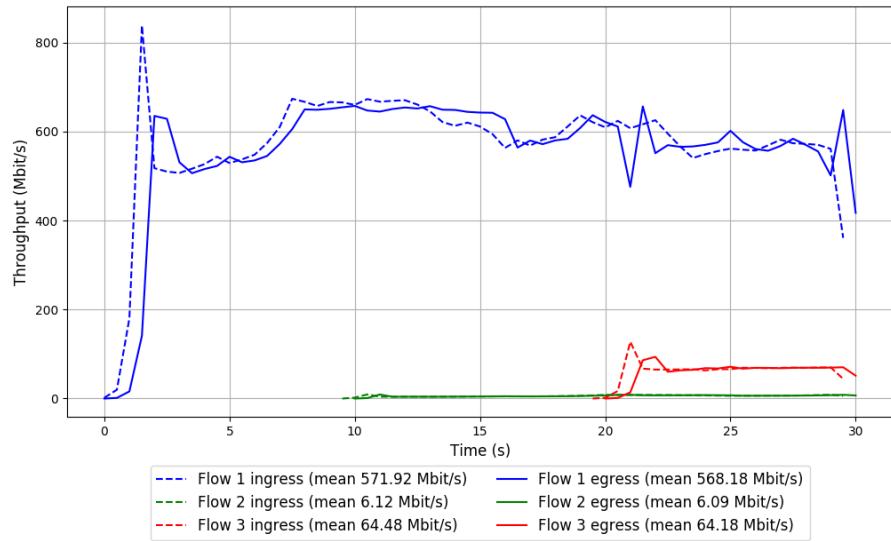


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-06-01 10:04:25
End at: 2018-06-01 10:04:55
Local clock offset: -0.155 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 593.35 Mbit/s
95th percentile per-packet one-way delay: 164.117 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 568.18 Mbit/s
95th percentile per-packet one-way delay: 164.086 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 6.09 Mbit/s
95th percentile per-packet one-way delay: 164.244 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 64.18 Mbit/s
95th percentile per-packet one-way delay: 164.626 ms
Loss rate: 0.45%
```

Run 1: Report of PCC-Allegro — Data Link

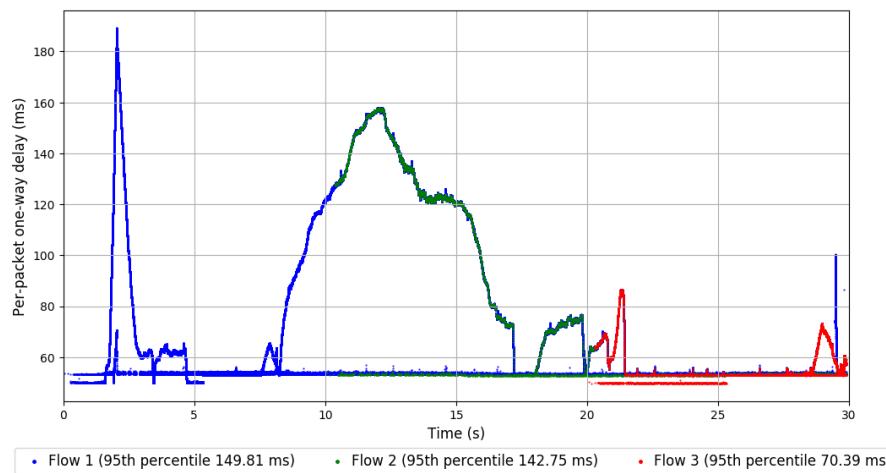
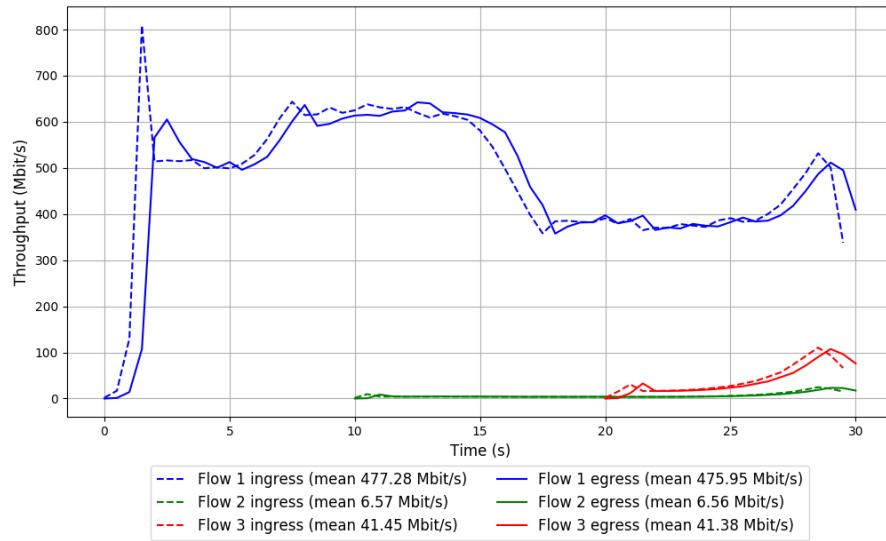


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-01 10:27:04
End at: 2018-06-01 10:27:34
Local clock offset: 0.014 ms
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 493.92 Mbit/s
95th percentile per-packet one-way delay: 149.669 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 475.95 Mbit/s
95th percentile per-packet one-way delay: 149.815 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 6.56 Mbit/s
95th percentile per-packet one-way delay: 142.747 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 41.38 Mbit/s
95th percentile per-packet one-way delay: 70.393 ms
Loss rate: 0.14%
```

Run 2: Report of PCC-Allegro — Data Link

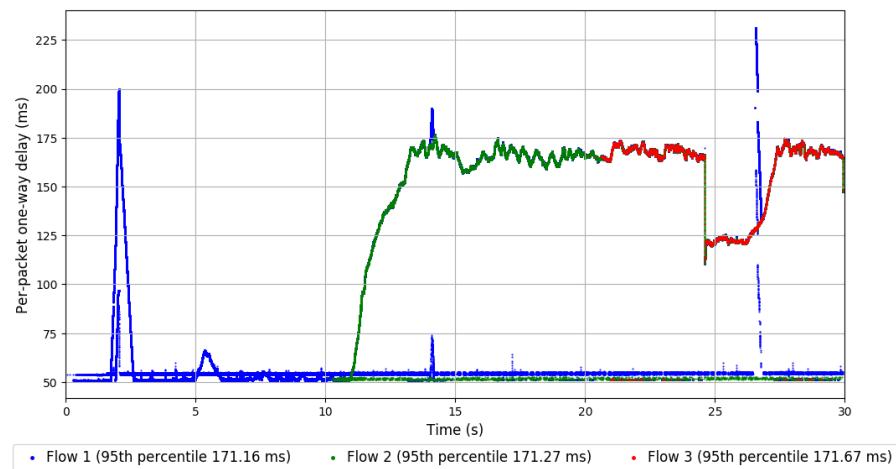
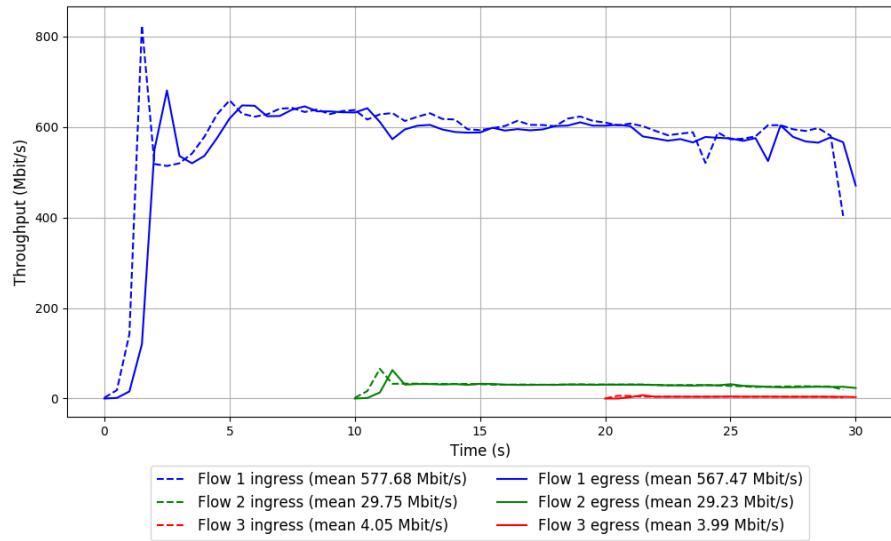


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-01 10:49:22
End at: 2018-06-01 10:49:52
Local clock offset: -0.362 ms
Remote clock offset: 16.104 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 588.16 Mbit/s
95th percentile per-packet one-way delay: 171.169 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 567.47 Mbit/s
95th percentile per-packet one-way delay: 171.159 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 29.23 Mbit/s
95th percentile per-packet one-way delay: 171.273 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 171.674 ms
Loss rate: 2.59%
```

Run 3: Report of PCC-Allegro — Data Link

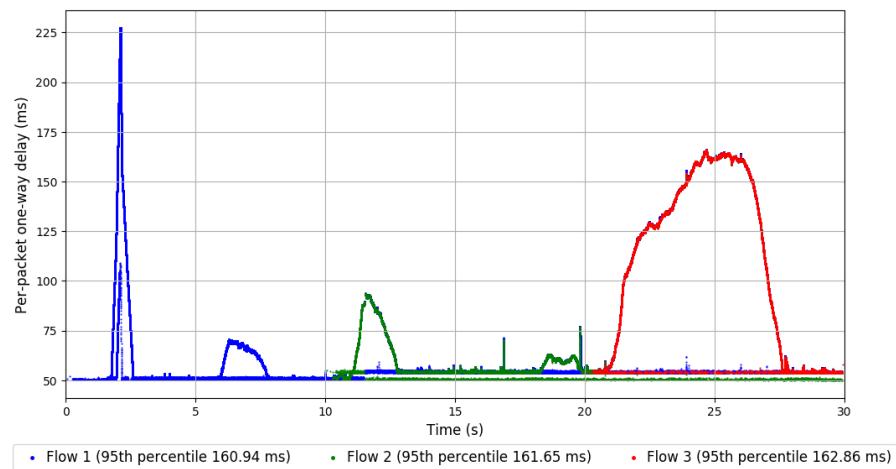
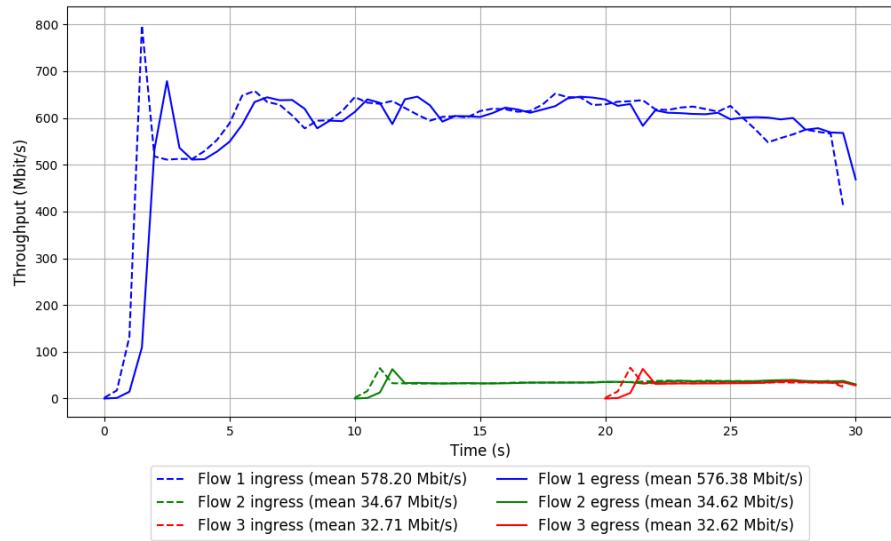


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-01 11:12:18
End at: 2018-06-01 11:12:48
Local clock offset: -0.313 ms
Remote clock offset: 22.342 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 610.06 Mbit/s
95th percentile per-packet one-way delay: 161.085 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 576.38 Mbit/s
95th percentile per-packet one-way delay: 160.937 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 161.647 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 32.62 Mbit/s
95th percentile per-packet one-way delay: 162.858 ms
Loss rate: 0.25%
```

Run 4: Report of PCC-Allegro — Data Link

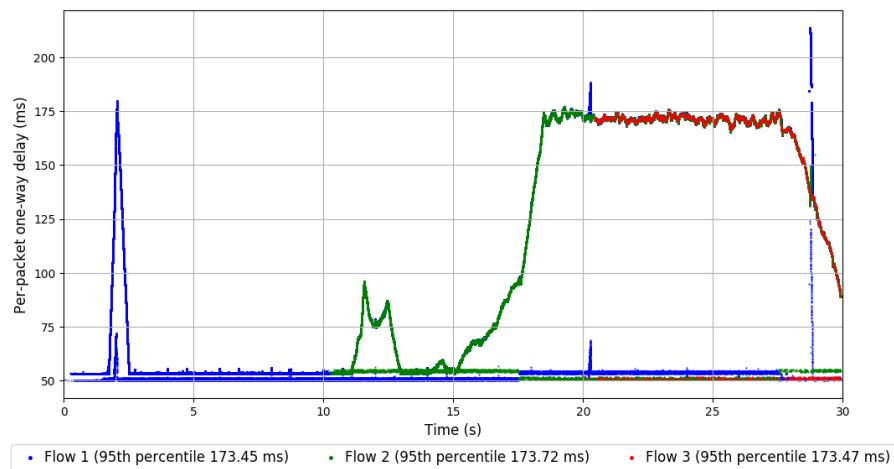
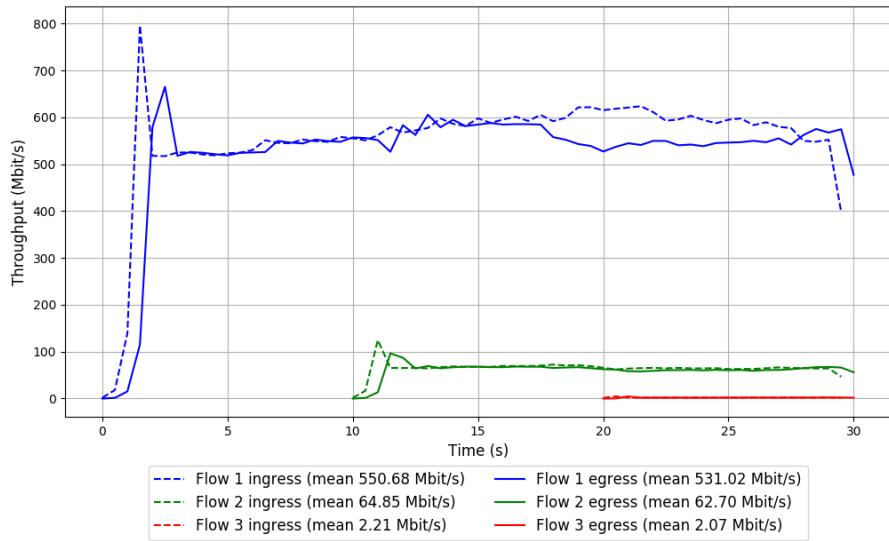


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-01 11:35:02
End at: 2018-06-01 11:35:32
Local clock offset: -0.188 ms
Remote clock offset: 12.135 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 573.36 Mbit/s
95th percentile per-packet one-way delay: 173.480 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 531.02 Mbit/s
95th percentile per-packet one-way delay: 173.449 ms
Loss rate: 3.57%
-- Flow 2:
Average throughput: 62.70 Mbit/s
95th percentile per-packet one-way delay: 173.720 ms
Loss rate: 3.33%
-- Flow 3:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 173.475 ms
Loss rate: 6.15%
```

Run 5: Report of PCC-Allegro — Data Link

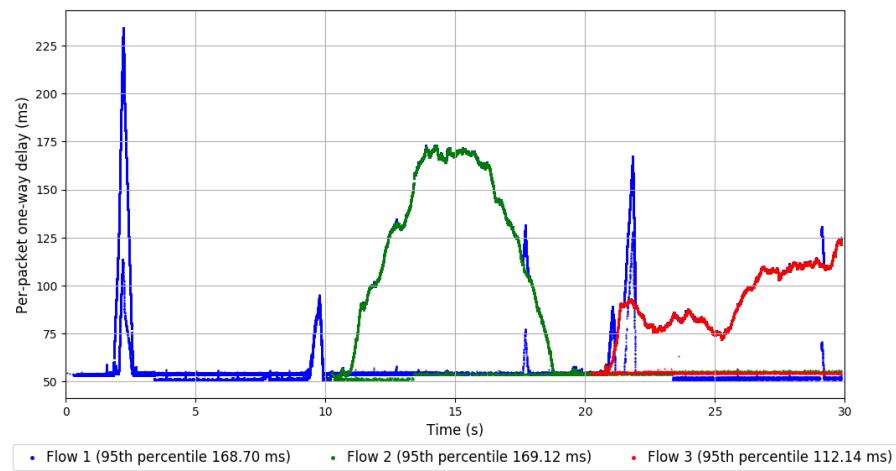
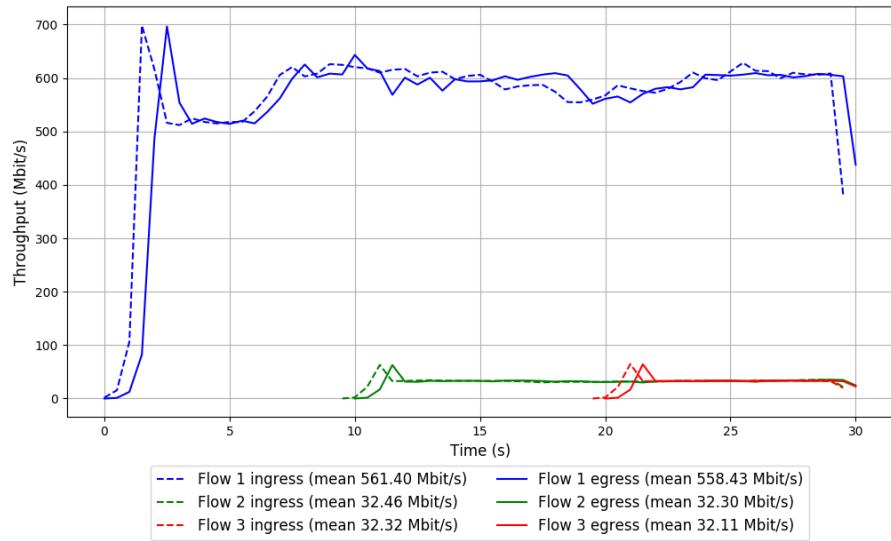


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-01 11:58:06
End at: 2018-06-01 11:58:36
Local clock offset: 0.005 ms
Remote clock offset: 12.974 ms

# Below is generated by plot.py at 2018-06-01 15:23:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 590.47 Mbit/s
95th percentile per-packet one-way delay: 168.644 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 558.43 Mbit/s
95th percentile per-packet one-way delay: 168.698 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 169.120 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 112.137 ms
Loss rate: 0.68%
```

Run 6: Report of PCC-Allegro — Data Link

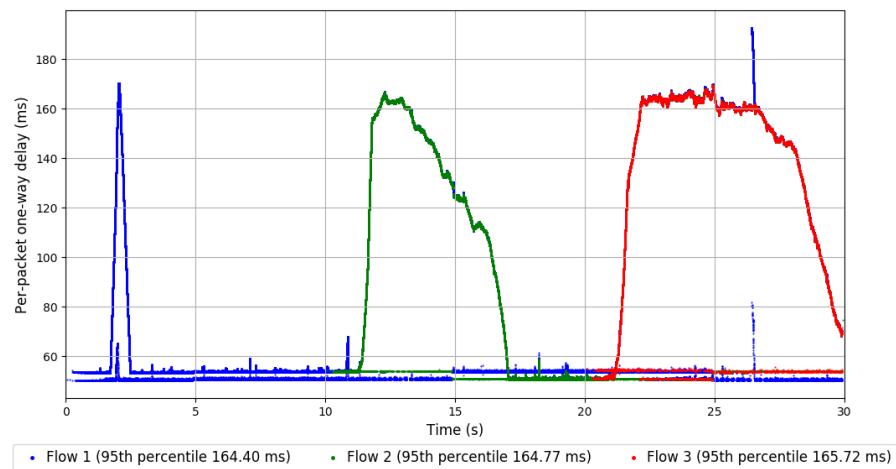
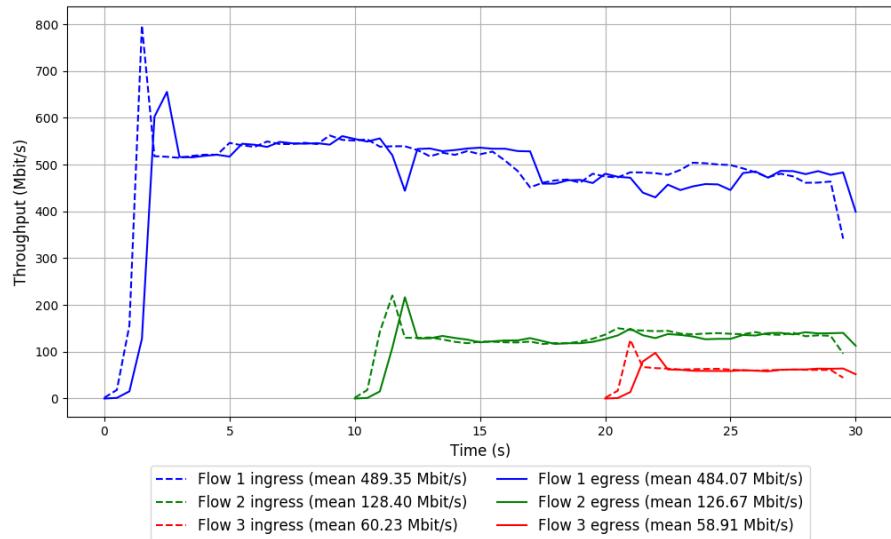


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-01 12:21:25
End at: 2018-06-01 12:21:55
Local clock offset: -0.513 ms
Remote clock offset: 5.823 ms

# Below is generated by plot.py at 2018-06-01 15:30:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 587.58 Mbit/s
95th percentile per-packet one-way delay: 164.521 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 484.07 Mbit/s
95th percentile per-packet one-way delay: 164.398 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 126.67 Mbit/s
95th percentile per-packet one-way delay: 164.766 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 165.721 ms
Loss rate: 2.21%
```

Run 7: Report of PCC-Allegro — Data Link

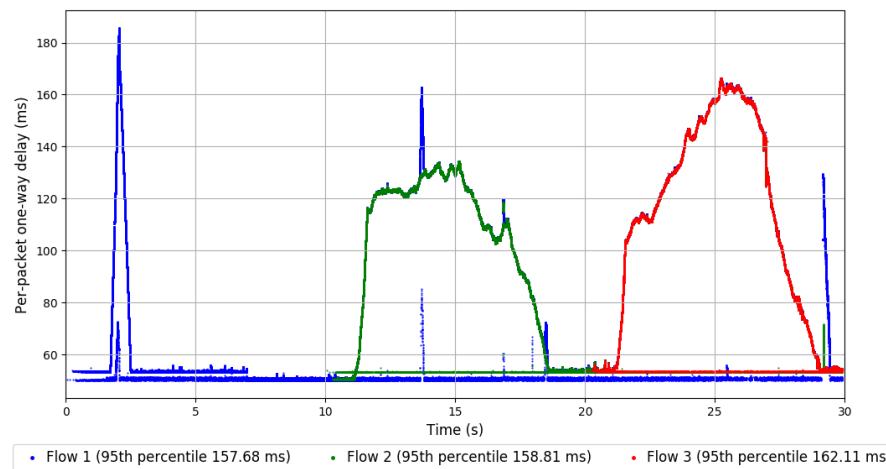
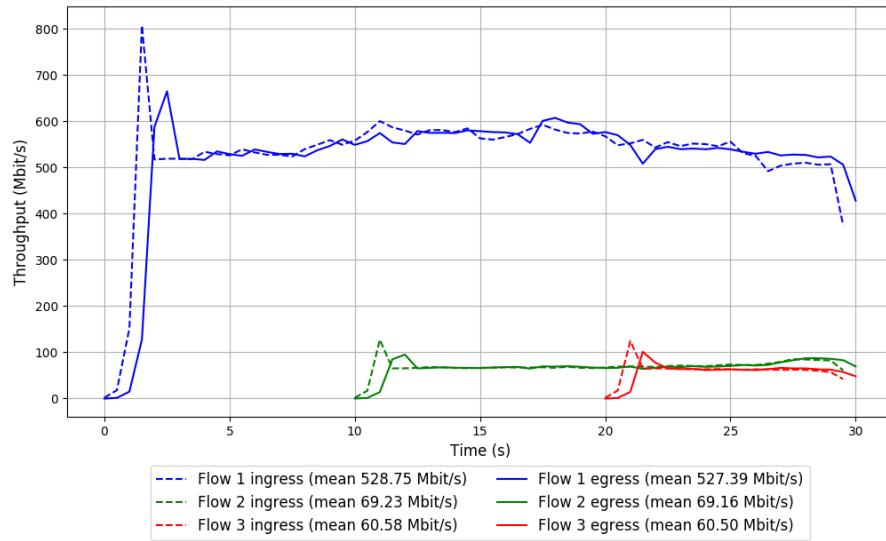


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-01 12:44:13
End at: 2018-06-01 12:44:43
Local clock offset: -0.55 ms
Remote clock offset: 2.626 ms

# Below is generated by plot.py at 2018-06-01 15:31:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 593.28 Mbit/s
95th percentile per-packet one-way delay: 157.987 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 527.39 Mbit/s
95th percentile per-packet one-way delay: 157.681 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 69.16 Mbit/s
95th percentile per-packet one-way delay: 158.811 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 60.50 Mbit/s
95th percentile per-packet one-way delay: 162.114 ms
Loss rate: 0.16%
```

Run 8: Report of PCC-Allegro — Data Link

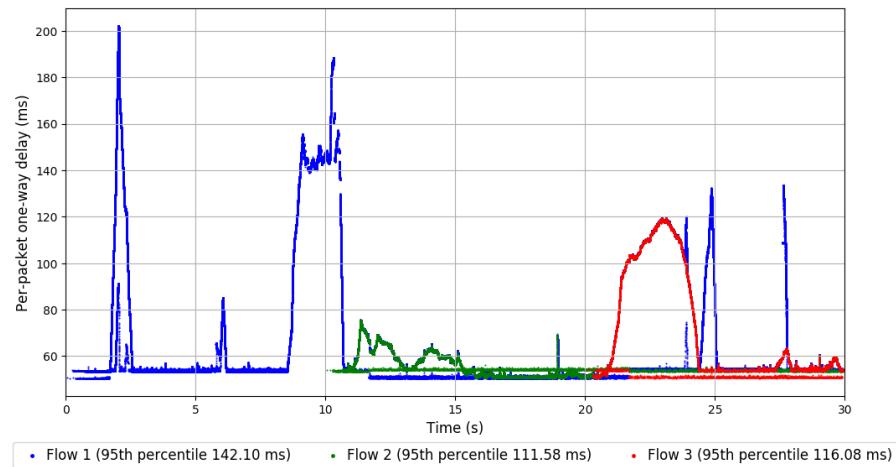
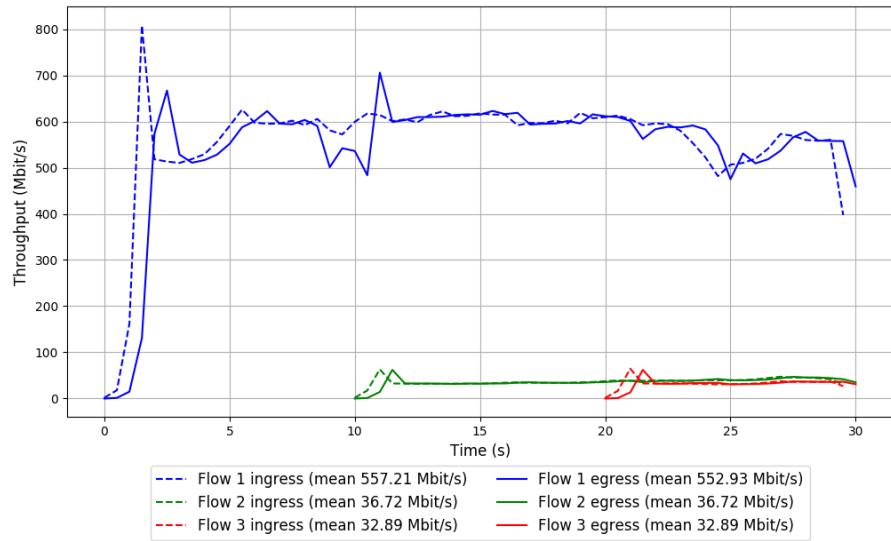


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-01 13:06:48
End at: 2018-06-01 13:07:18
Local clock offset: -0.346 ms
Remote clock offset: 2.863 ms

# Below is generated by plot.py at 2018-06-01 15:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 588.17 Mbit/s
95th percentile per-packet one-way delay: 141.154 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 552.93 Mbit/s
95th percentile per-packet one-way delay: 142.101 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 36.72 Mbit/s
95th percentile per-packet one-way delay: 111.577 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 116.075 ms
Loss rate: 0.02%
```

Run 9: Report of PCC-Allegro — Data Link

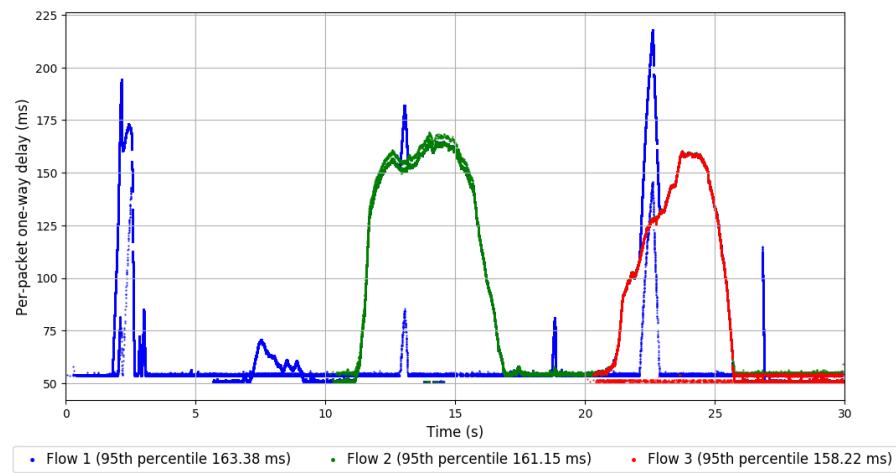
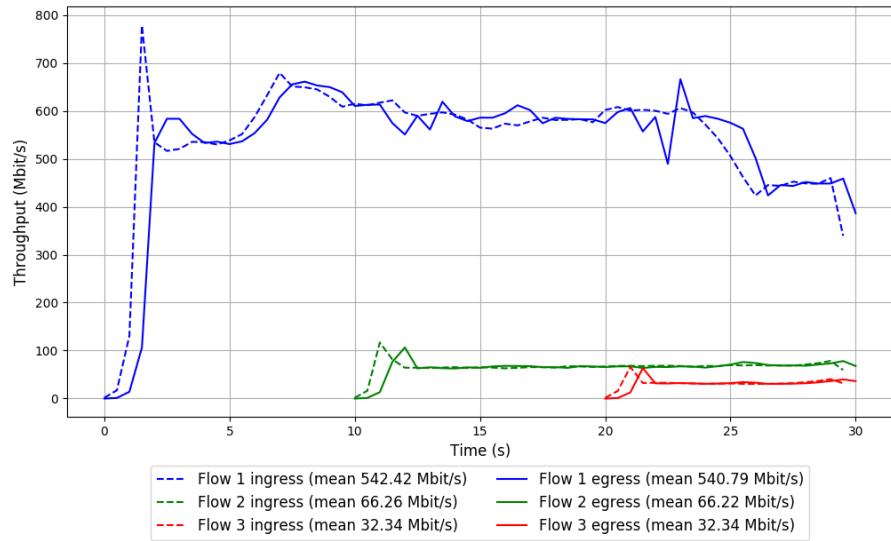


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-01 13:29:34
End at: 2018-06-01 13:30:04
Local clock offset: -0.422 ms
Remote clock offset: 0.758 ms

# Below is generated by plot.py at 2018-06-01 15:32:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 595.43 Mbit/s
95th percentile per-packet one-way delay: 163.200 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 540.79 Mbit/s
95th percentile per-packet one-way delay: 163.376 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 66.22 Mbit/s
95th percentile per-packet one-way delay: 161.146 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 158.224 ms
Loss rate: 0.00%
```

Run 10: Report of PCC-Allegro — Data Link

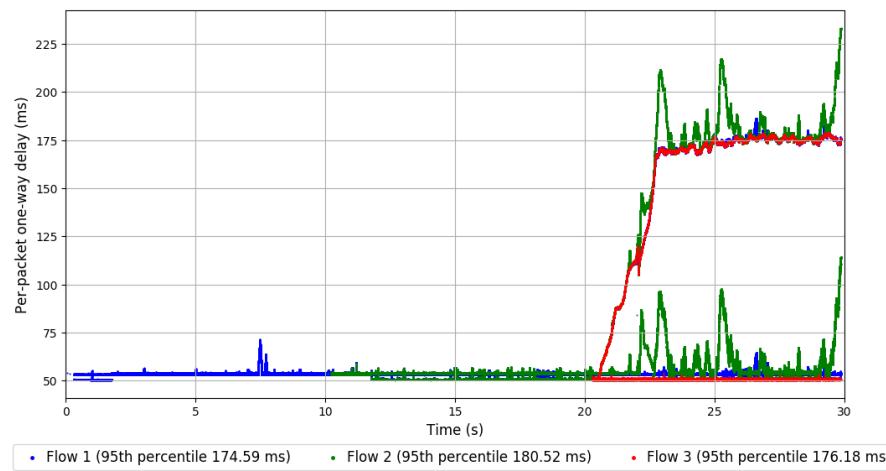
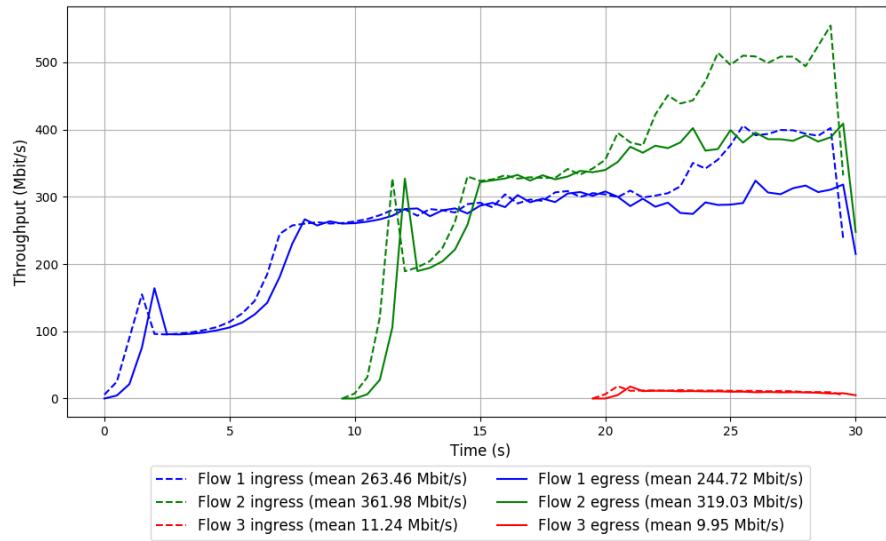


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-06-01 10:20:58
End at: 2018-06-01 10:21:28
Local clock offset: -0.135 ms
Remote clock offset: 0.21 ms

# Below is generated by plot.py at 2018-06-01 15:37:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 460.76 Mbit/s
95th percentile per-packet one-way delay: 176.422 ms
Loss rate: 9.41%
-- Flow 1:
Average throughput: 244.72 Mbit/s
95th percentile per-packet one-way delay: 174.588 ms
Loss rate: 7.12%
-- Flow 2:
Average throughput: 319.03 Mbit/s
95th percentile per-packet one-way delay: 180.516 ms
Loss rate: 11.87%
-- Flow 3:
Average throughput: 9.95 Mbit/s
95th percentile per-packet one-way delay: 176.180 ms
Loss rate: 11.44%
```

Run 1: Report of PCC-Expr — Data Link

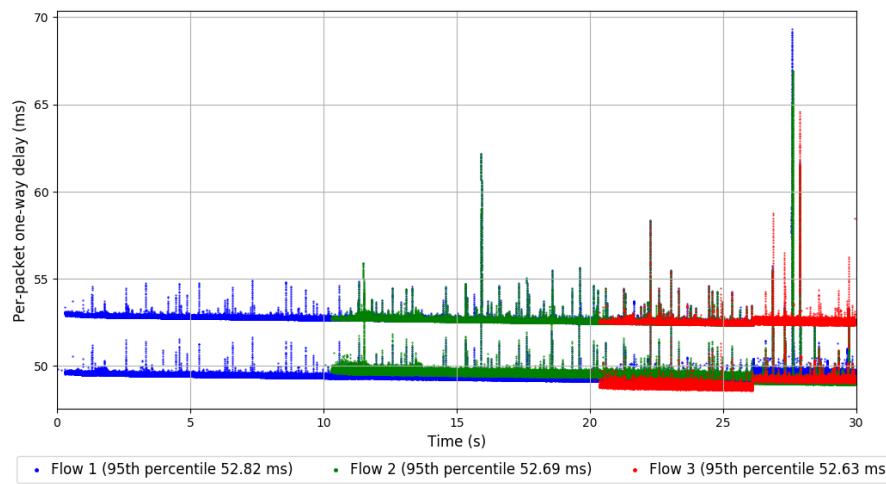
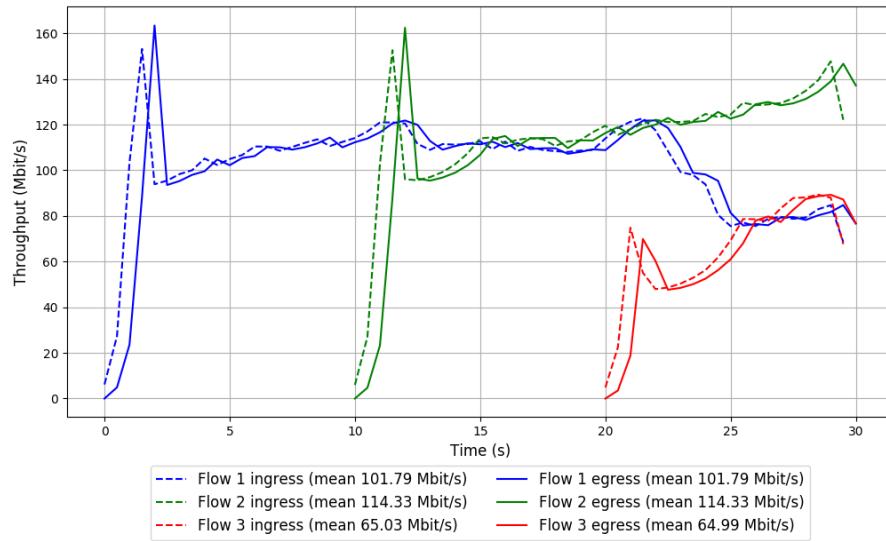


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-01 10:43:24
End at: 2018-06-01 10:43:54
Local clock offset: -0.165 ms
Remote clock offset: 10.998 ms

# Below is generated by plot.py at 2018-06-01 15:37:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 199.25 Mbit/s
95th percentile per-packet one-way delay: 52.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.79 Mbit/s
95th percentile per-packet one-way delay: 52.816 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 114.33 Mbit/s
95th percentile per-packet one-way delay: 52.687 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.99 Mbit/s
95th percentile per-packet one-way delay: 52.635 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Expr — Data Link

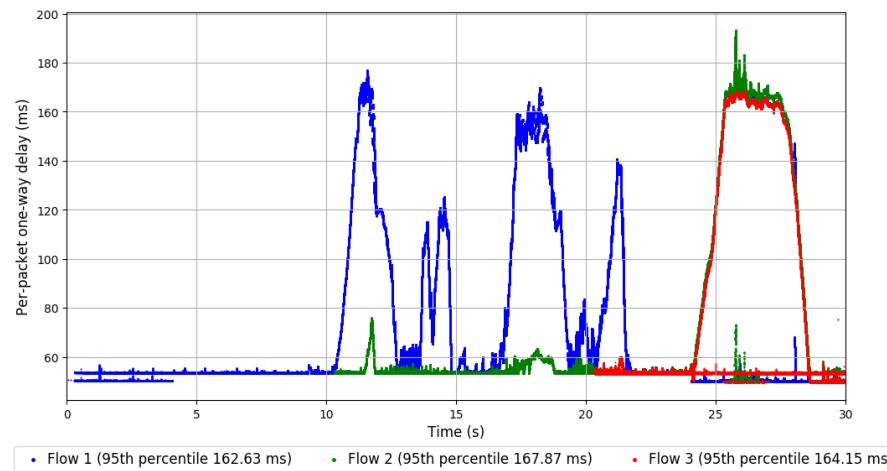
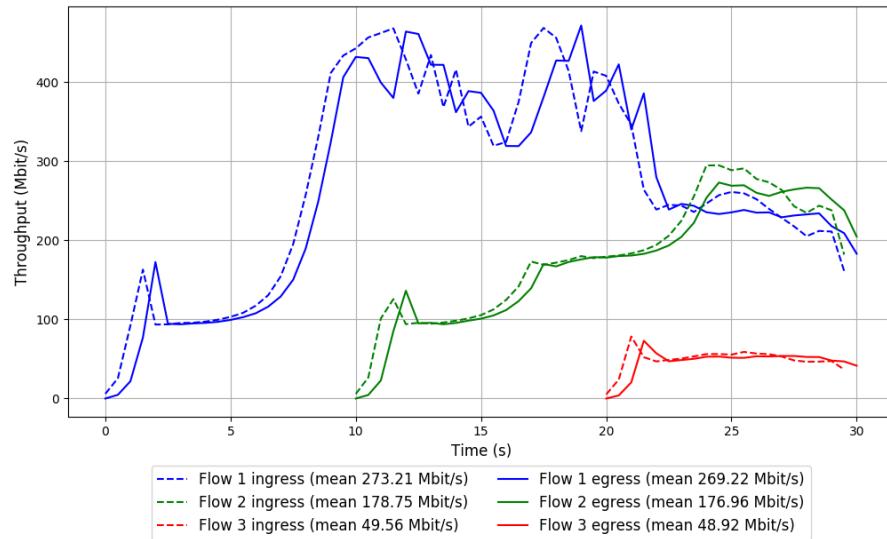


Run 3: Statistics of PCC-Expr

```
Start at: 2018-06-01 11:06:06
End at: 2018-06-01 11:06:36
Local clock offset: -0.014 ms
Remote clock offset: 17.925 ms

# Below is generated by plot.py at 2018-06-01 15:37:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 403.02 Mbit/s
95th percentile per-packet one-way delay: 165.437 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 269.22 Mbit/s
95th percentile per-packet one-way delay: 162.635 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 176.96 Mbit/s
95th percentile per-packet one-way delay: 167.870 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 48.92 Mbit/s
95th percentile per-packet one-way delay: 164.154 ms
Loss rate: 1.29%
```

Run 3: Report of PCC-Expr — Data Link

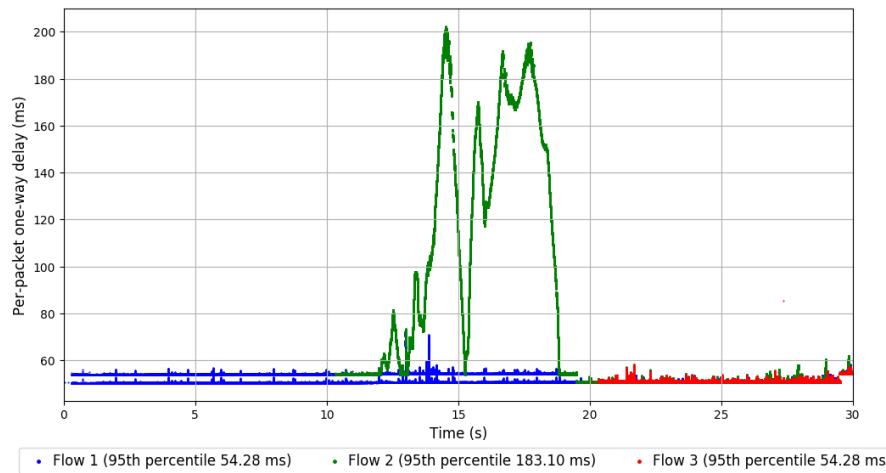
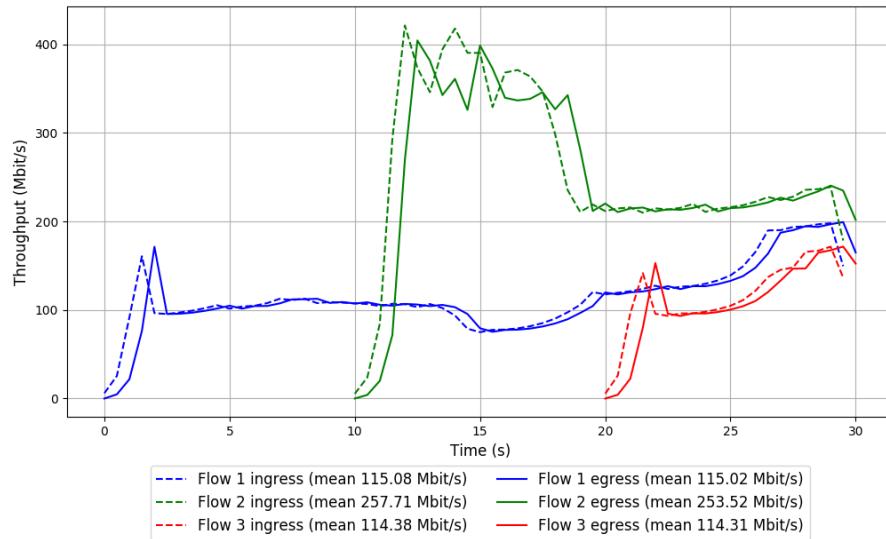


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-01 11:28:50
End at: 2018-06-01 11:29:20
Local clock offset: -0.156 ms
Remote clock offset: 16.742 ms

# Below is generated by plot.py at 2018-06-01 15:37:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 321.32 Mbit/s
95th percentile per-packet one-way delay: 172.195 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 115.02 Mbit/s
95th percentile per-packet one-way delay: 54.282 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 253.52 Mbit/s
95th percentile per-packet one-way delay: 183.104 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 114.31 Mbit/s
95th percentile per-packet one-way delay: 54.277 ms
Loss rate: 0.07%
```

Run 4: Report of PCC-Expr — Data Link

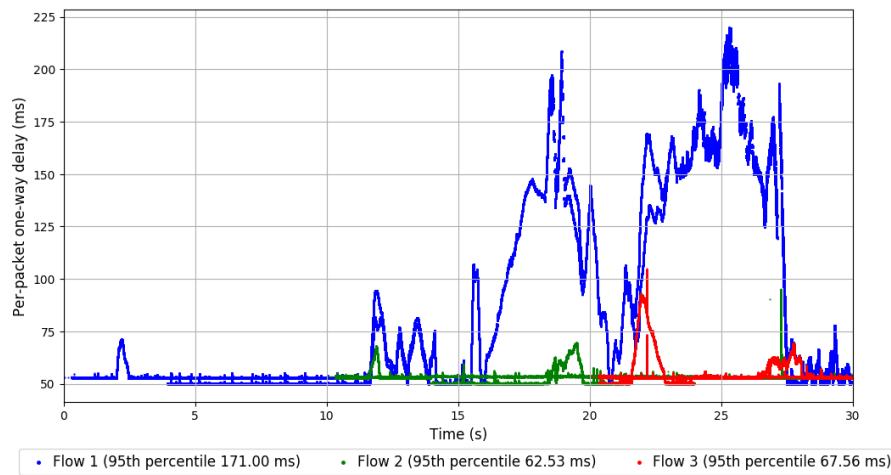
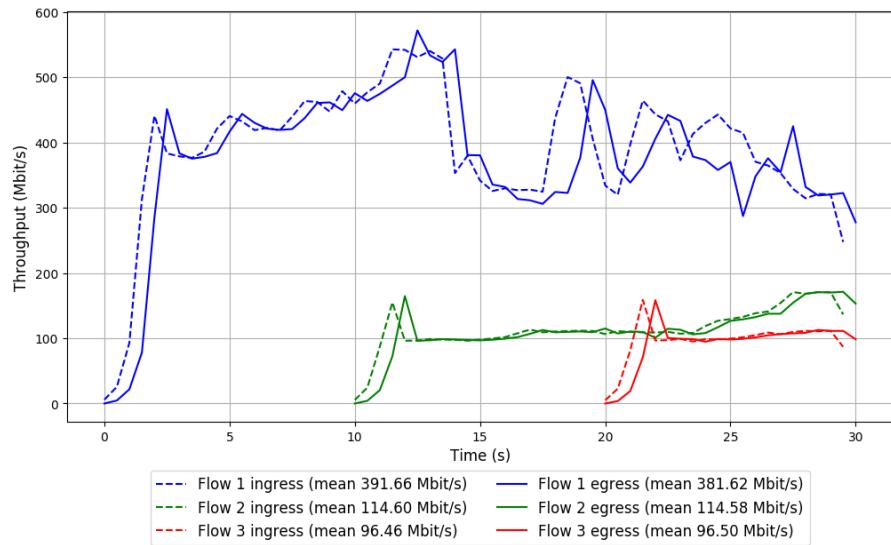


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-01 11:51:46
End at: 2018-06-01 11:52:16
Local clock offset: -0.049 ms
Remote clock offset: 13.585 ms

# Below is generated by plot.py at 2018-06-01 15:46:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 489.63 Mbit/s
95th percentile per-packet one-way delay: 166.656 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 381.62 Mbit/s
95th percentile per-packet one-way delay: 171.000 ms
Loss rate: 2.58%
-- Flow 2:
Average throughput: 114.58 Mbit/s
95th percentile per-packet one-way delay: 62.531 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 67.562 ms
Loss rate: 0.02%
```

Run 5: Report of PCC-Expr — Data Link

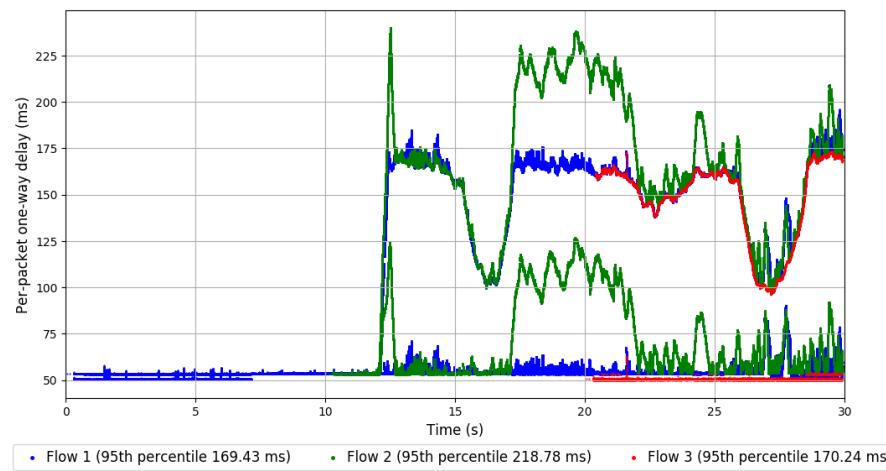
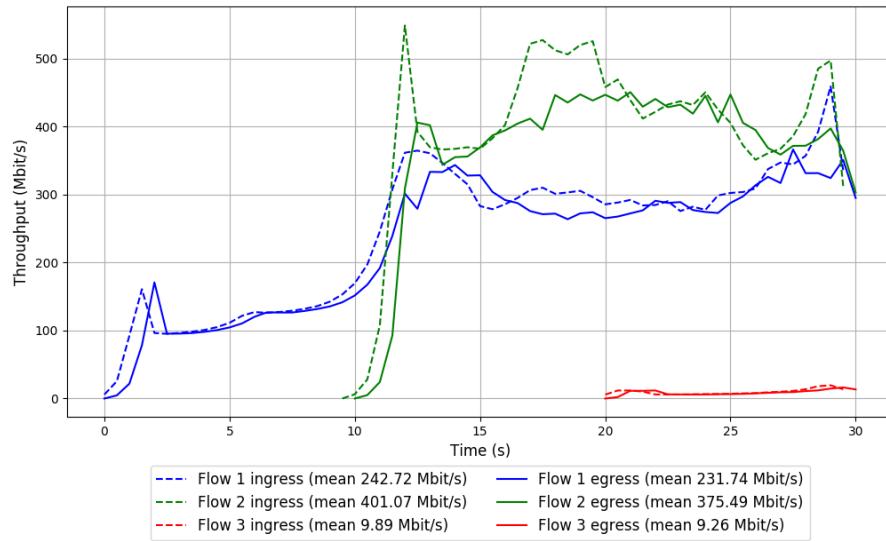


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-01 12:15:13
End at: 2018-06-01 12:15:43
Local clock offset: -0.289 ms
Remote clock offset: 5.39 ms

# Below is generated by plot.py at 2018-06-01 15:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 484.70 Mbit/s
95th percentile per-packet one-way delay: 209.985 ms
Loss rate: 5.51%
-- Flow 1:
Average throughput: 231.74 Mbit/s
95th percentile per-packet one-way delay: 169.427 ms
Loss rate: 4.53%
-- Flow 2:
Average throughput: 375.49 Mbit/s
95th percentile per-packet one-way delay: 218.779 ms
Loss rate: 6.39%
-- Flow 3:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 170.236 ms
Loss rate: 6.37%
```

Run 6: Report of PCC-Expr — Data Link

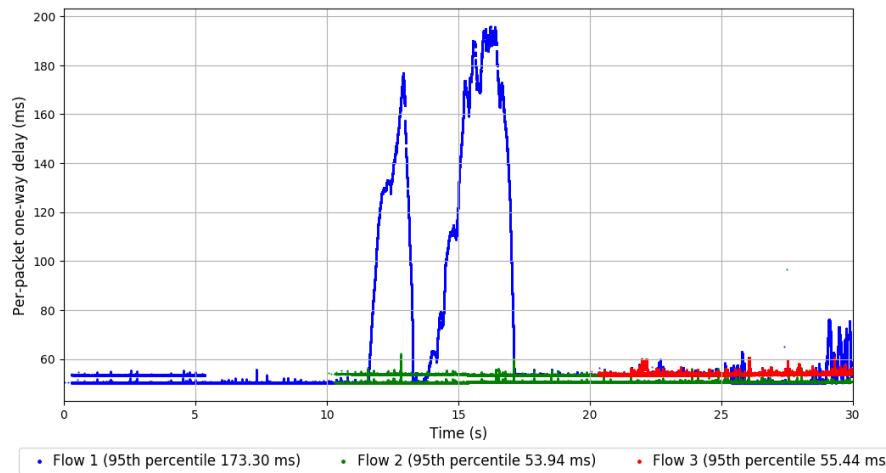
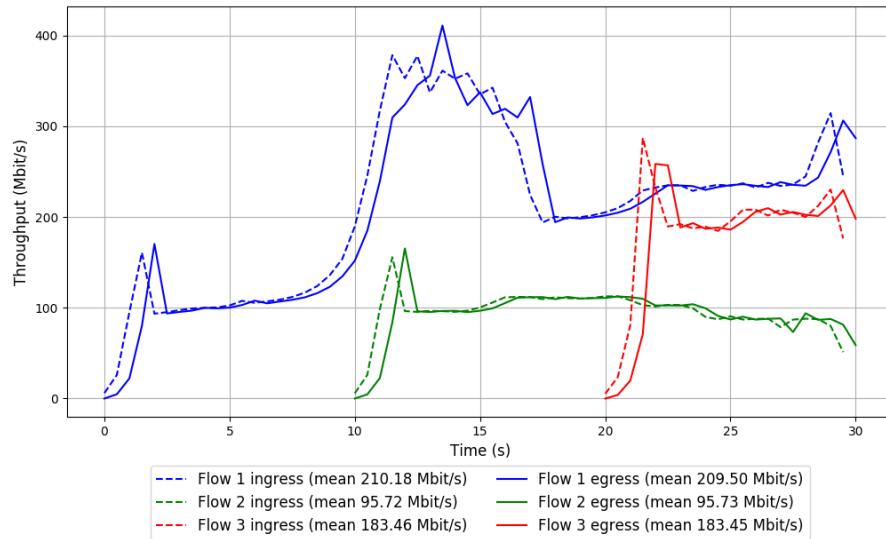


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-01 12:38:04
End at: 2018-06-01 12:38:34
Local clock offset: -0.127 ms
Remote clock offset: 3.941 ms

# Below is generated by plot.py at 2018-06-01 15:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 333.64 Mbit/s
95th percentile per-packet one-way delay: 165.737 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 209.50 Mbit/s
95th percentile per-packet one-way delay: 173.297 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 53.937 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 183.45 Mbit/s
95th percentile per-packet one-way delay: 55.436 ms
Loss rate: 0.05%
```

Run 7: Report of PCC-Expr — Data Link

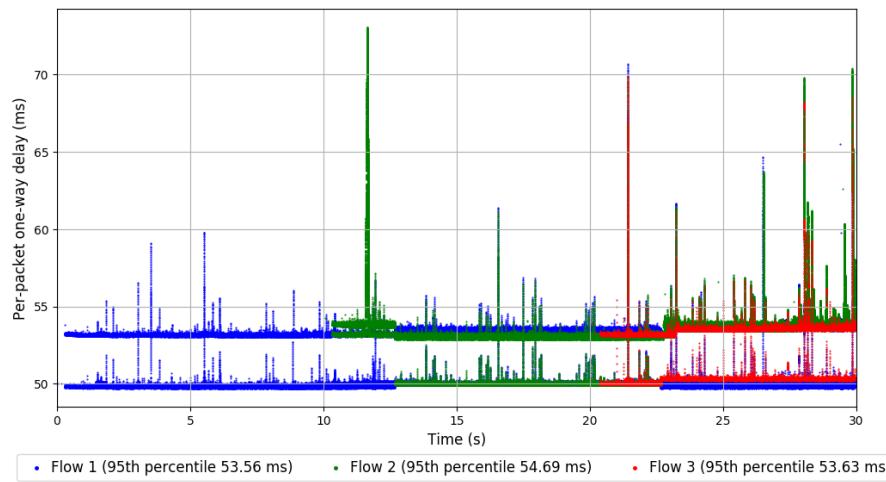
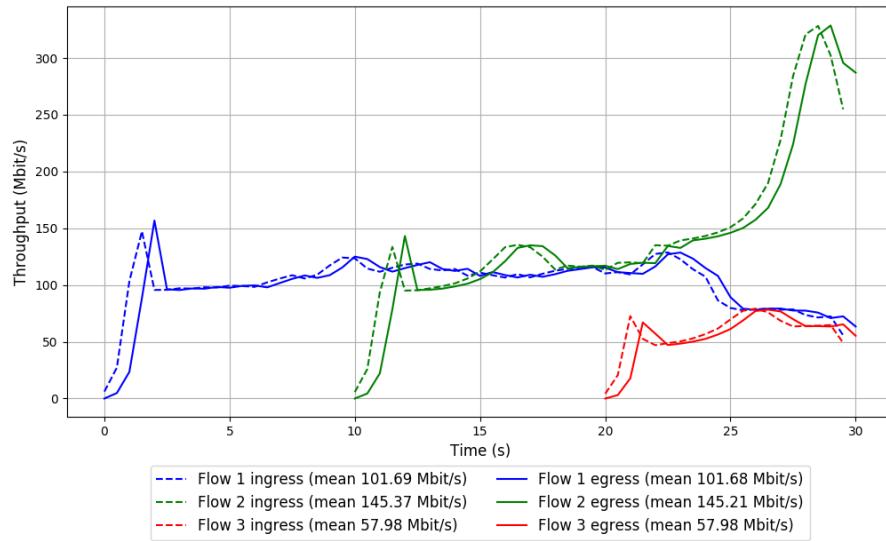


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-01 13:00:47
End at: 2018-06-01 13:01:17
Local clock offset: -0.492 ms
Remote clock offset: 3.029 ms

# Below is generated by plot.py at 2018-06-01 15:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 217.35 Mbit/s
95th percentile per-packet one-way delay: 53.890 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 101.68 Mbit/s
95th percentile per-packet one-way delay: 53.557 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 145.21 Mbit/s
95th percentile per-packet one-way delay: 54.692 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 57.98 Mbit/s
95th percentile per-packet one-way delay: 53.628 ms
Loss rate: 0.03%
```

Run 8: Report of PCC-Expr — Data Link

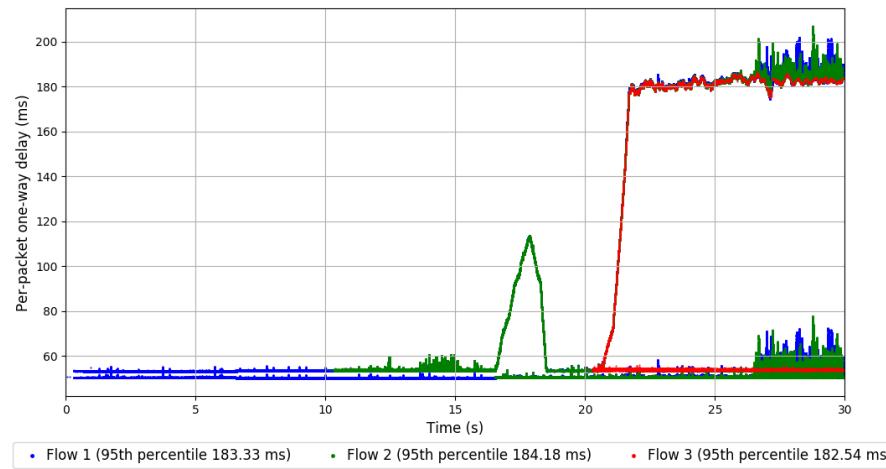
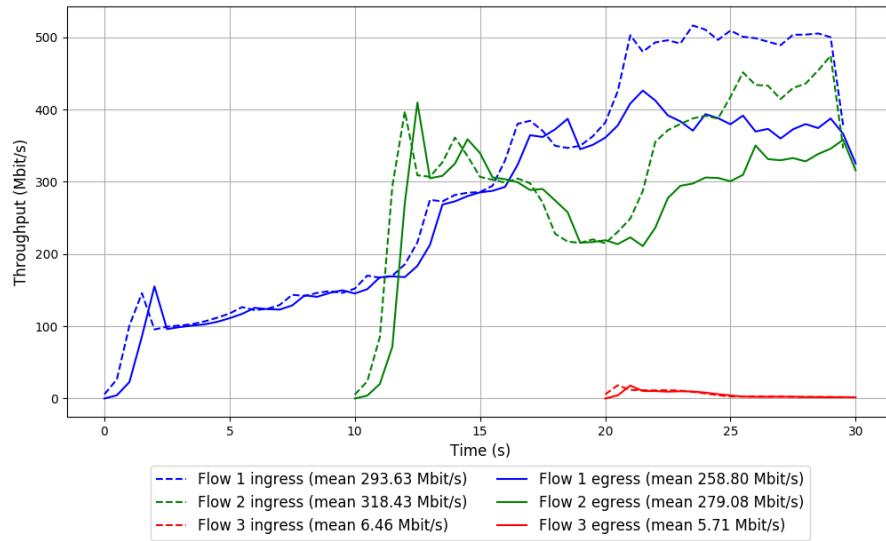


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-01 13:23:23
End at: 2018-06-01 13:23:53
Local clock offset: -0.157 ms
Remote clock offset: 0.669 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 446.24 Mbit/s
95th percentile per-packet one-way delay: 183.709 ms
Loss rate: 12.07%
-- Flow 1:
Average throughput: 258.80 Mbit/s
95th percentile per-packet one-way delay: 183.328 ms
Loss rate: 11.86%
-- Flow 2:
Average throughput: 279.08 Mbit/s
95th percentile per-packet one-way delay: 184.184 ms
Loss rate: 12.36%
-- Flow 3:
Average throughput: 5.71 Mbit/s
95th percentile per-packet one-way delay: 182.541 ms
Loss rate: 11.62%
```

Run 9: Report of PCC-Expr — Data Link

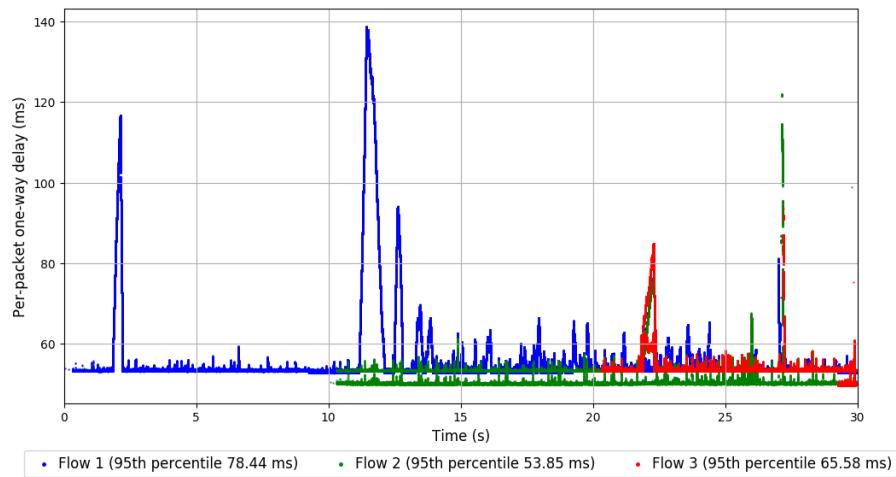
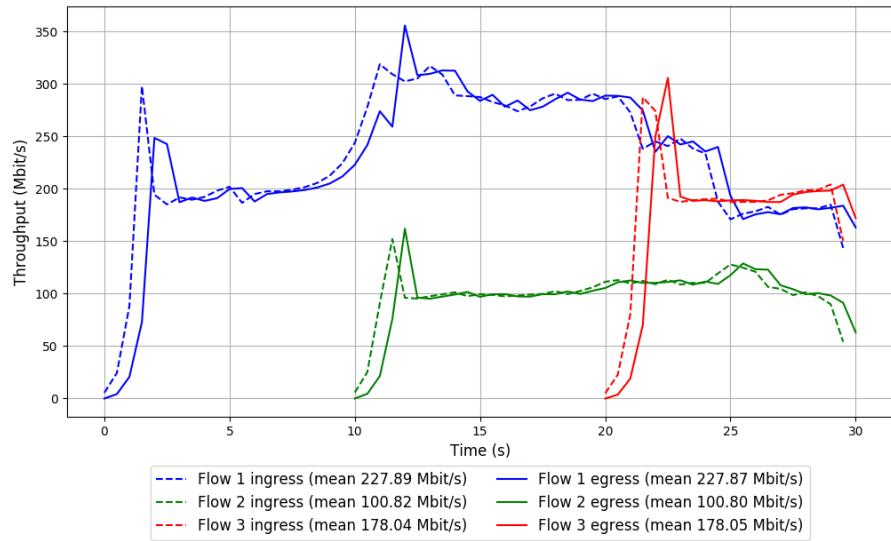


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-01 13:46:00
End at: 2018-06-01 13:46:30
Local clock offset: -0.041 ms
Remote clock offset: 0.281 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 353.66 Mbit/s
95th percentile per-packet one-way delay: 68.780 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 227.87 Mbit/s
95th percentile per-packet one-way delay: 78.444 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 100.80 Mbit/s
95th percentile per-packet one-way delay: 53.854 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 178.05 Mbit/s
95th percentile per-packet one-way delay: 65.576 ms
Loss rate: 0.00%
```

Run 10: Report of PCC-Expr — Data Link

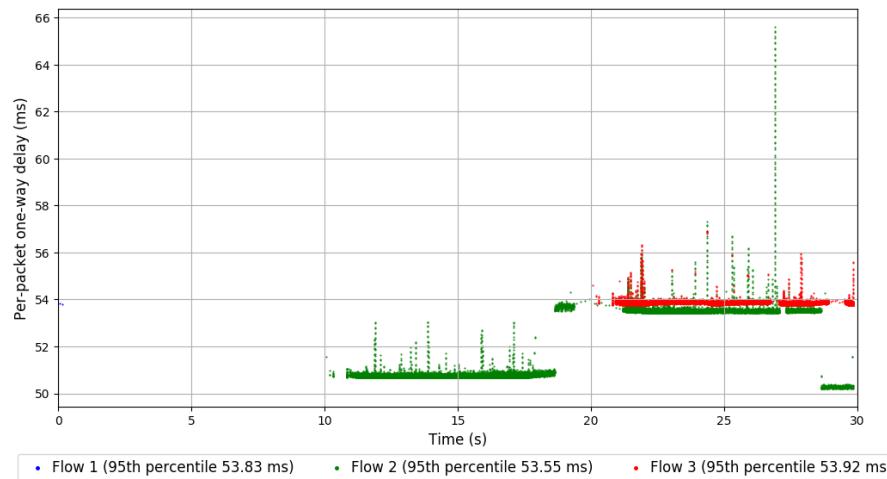
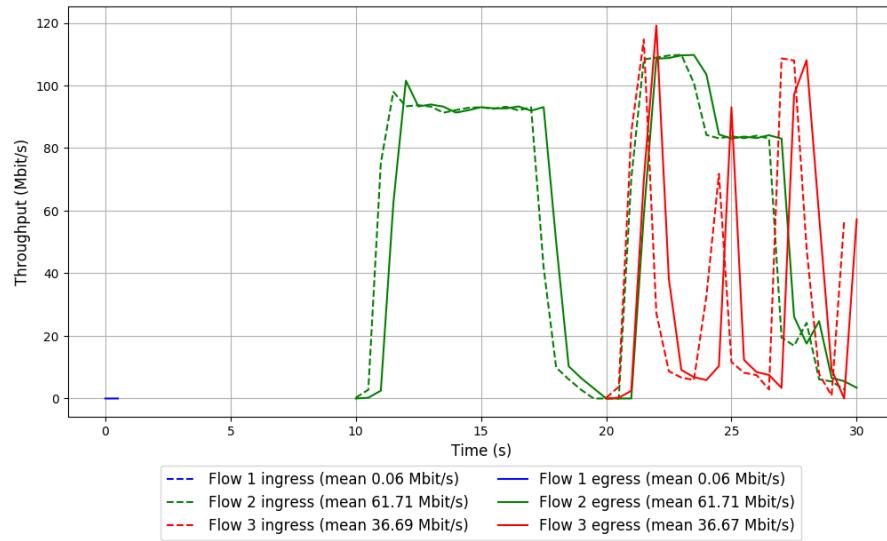


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-06-01 10:12:21
End at: 2018-06-01 10:12:51
Local clock offset: -0.332 ms
Remote clock offset: 0.304 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.02 Mbit/s
95th percentile per-packet one-way delay: 53.866 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 53.828 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.71 Mbit/s
95th percentile per-packet one-way delay: 53.549 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.67 Mbit/s
95th percentile per-packet one-way delay: 53.925 ms
Loss rate: 0.08%
```

Run 1: Report of QUIC Cubic — Data Link

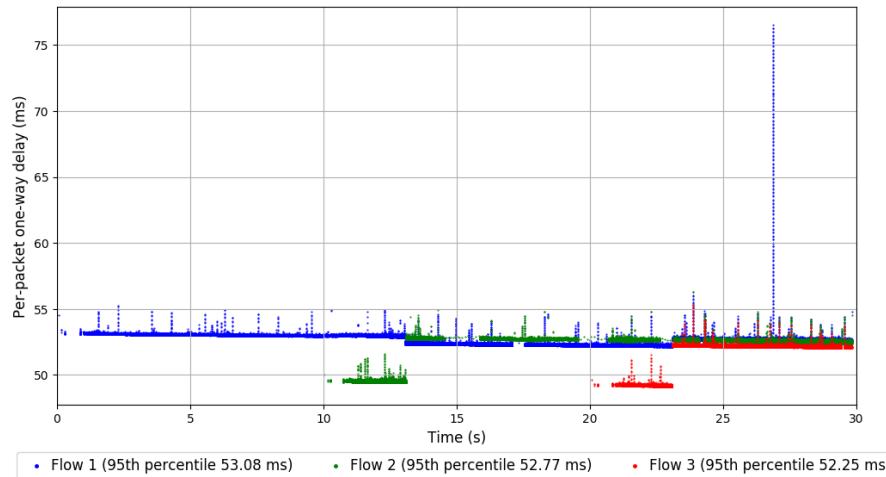
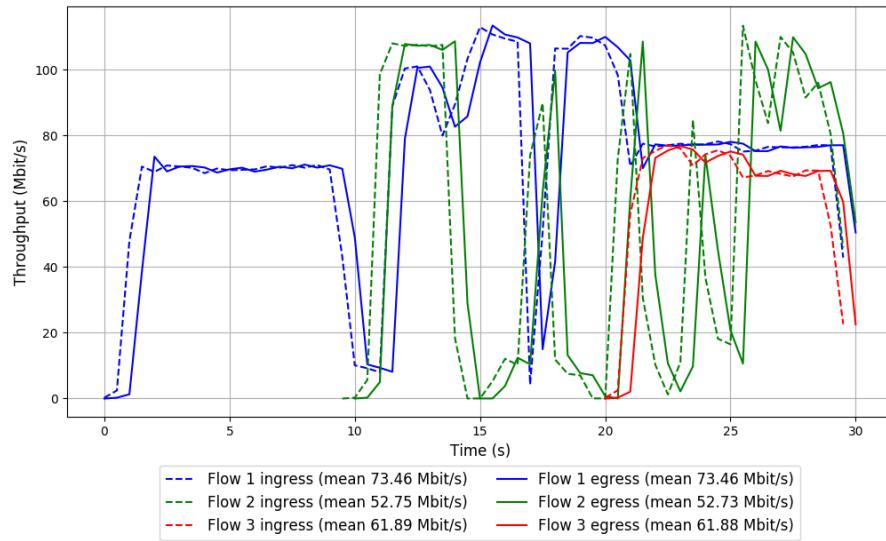


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-01 10:34:46
End at: 2018-06-01 10:35:17
Local clock offset: -0.021 ms
Remote clock offset: 1.03 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 128.80 Mbit/s
95th percentile per-packet one-way delay: 53.058 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 73.46 Mbit/s
95th percentile per-packet one-way delay: 53.083 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 52.73 Mbit/s
95th percentile per-packet one-way delay: 52.767 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 61.88 Mbit/s
95th percentile per-packet one-way delay: 52.251 ms
Loss rate: 0.01%
```

Run 2: Report of QUIC Cubic — Data Link

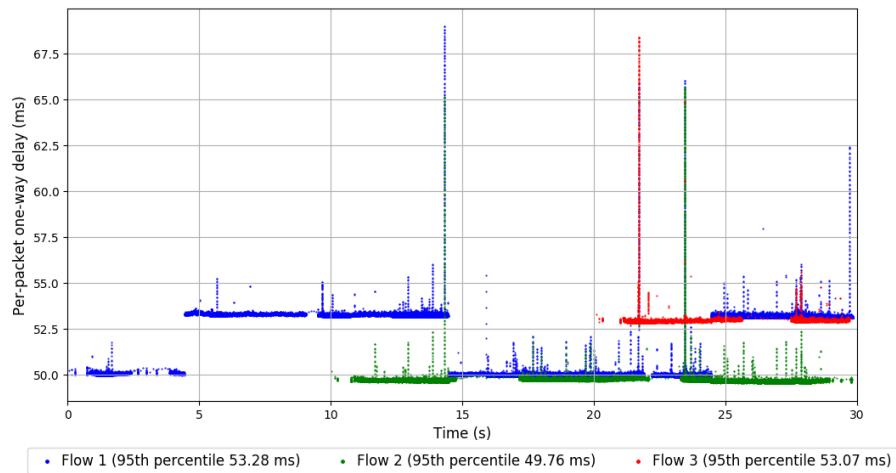
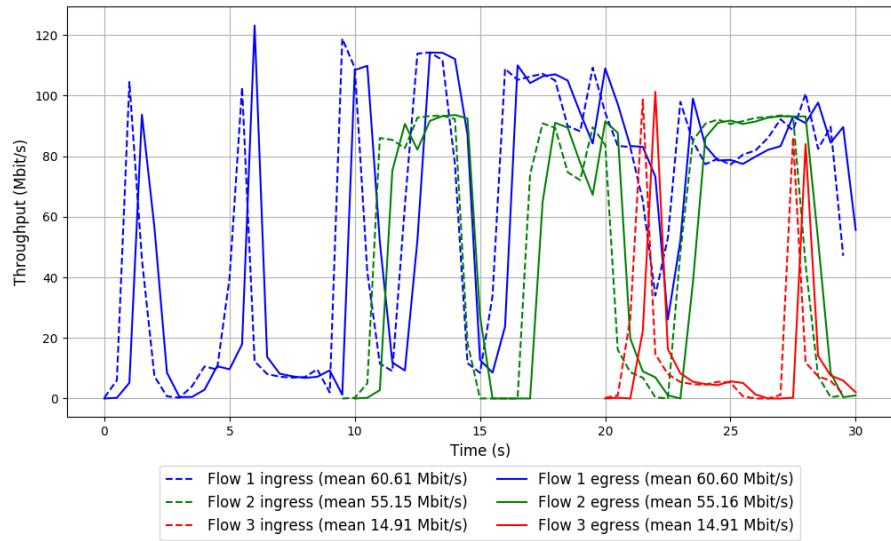


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-01 10:57:25
End at: 2018-06-01 10:57:55
Local clock offset: 0.045 ms
Remote clock offset: 13.648 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 102.06 Mbit/s
95th percentile per-packet one-way delay: 53.259 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 60.60 Mbit/s
95th percentile per-packet one-way delay: 53.282 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 55.16 Mbit/s
95th percentile per-packet one-way delay: 49.763 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.91 Mbit/s
95th percentile per-packet one-way delay: 53.073 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

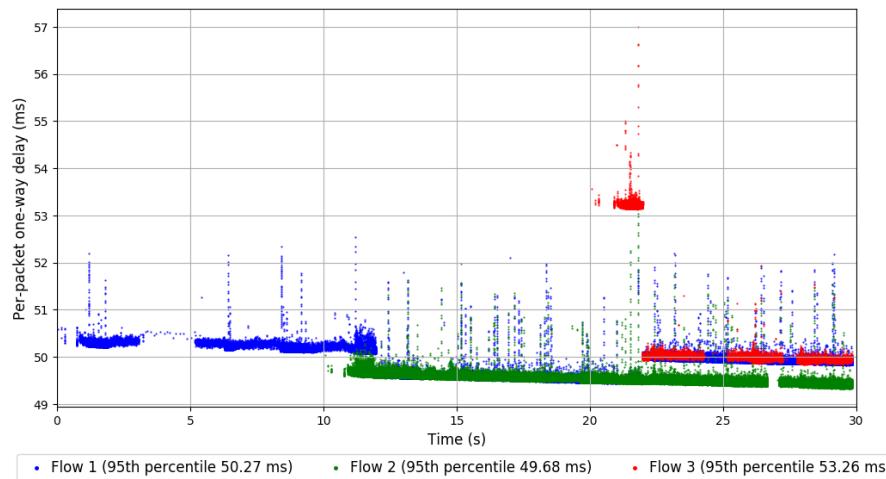
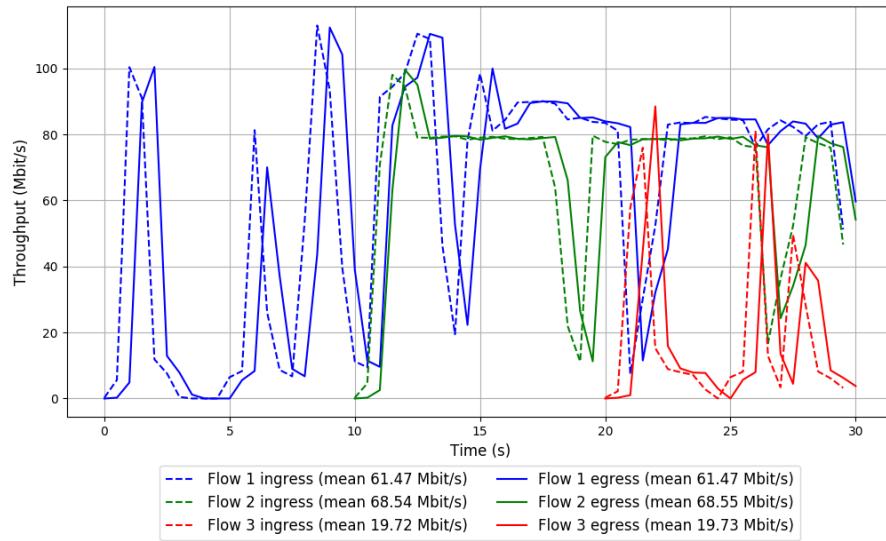


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-01 11:20:08
End at: 2018-06-01 11:20:38
Local clock offset: -0.063 ms
Remote clock offset: 28.521 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 113.46 Mbit/s
95th percentile per-packet one-way delay: 50.265 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.47 Mbit/s
95th percentile per-packet one-way delay: 50.269 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.55 Mbit/s
95th percentile per-packet one-way delay: 49.683 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.73 Mbit/s
95th percentile per-packet one-way delay: 53.263 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

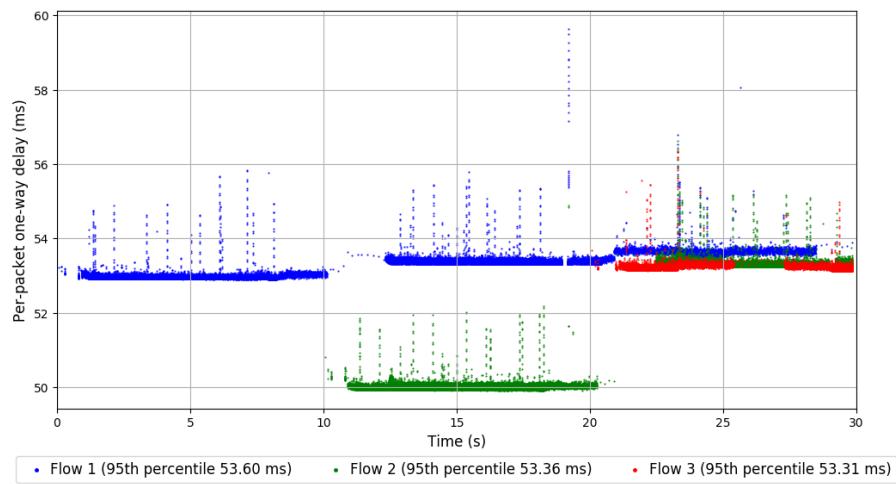
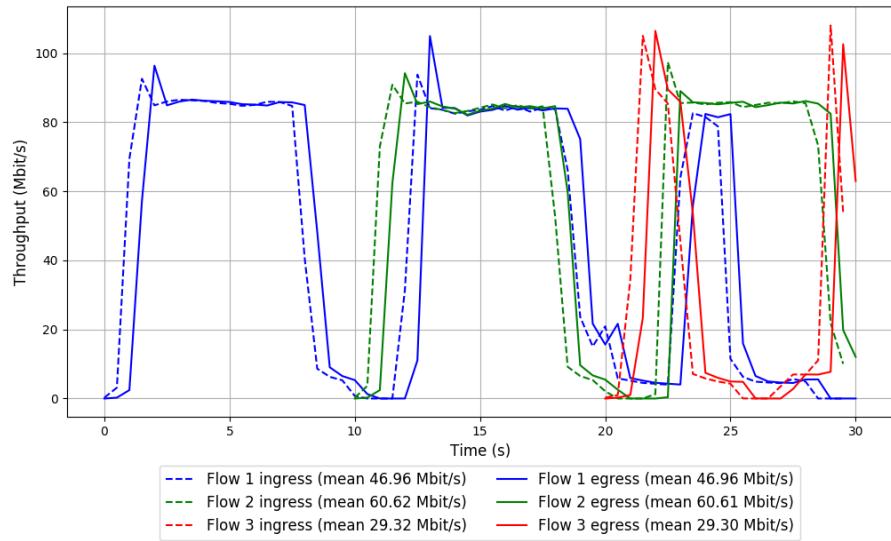


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-01 11:42:59
End at: 2018-06-01 11:43:29
Local clock offset: -0.095 ms
Remote clock offset: 11.493 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 53.557 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 46.96 Mbit/s
95th percentile per-packet one-way delay: 53.604 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.61 Mbit/s
95th percentile per-packet one-way delay: 53.363 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.30 Mbit/s
95th percentile per-packet one-way delay: 53.306 ms
Loss rate: 0.06%
```

Run 5: Report of QUIC Cubic — Data Link

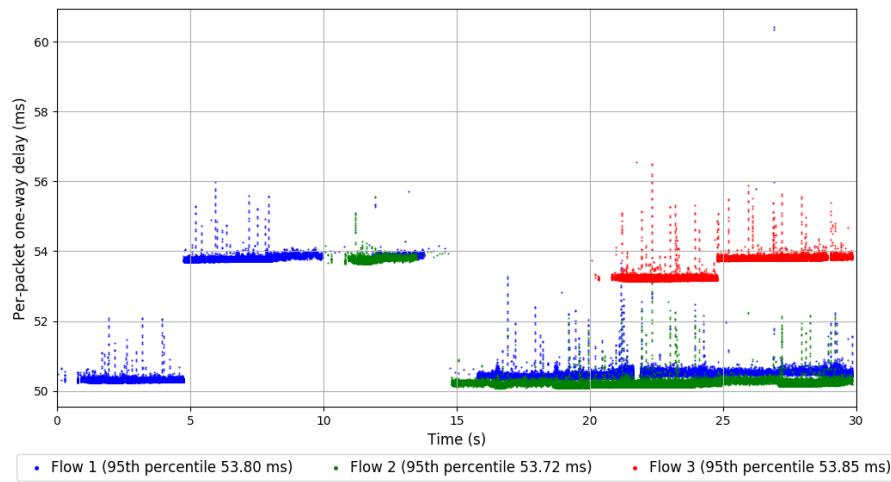
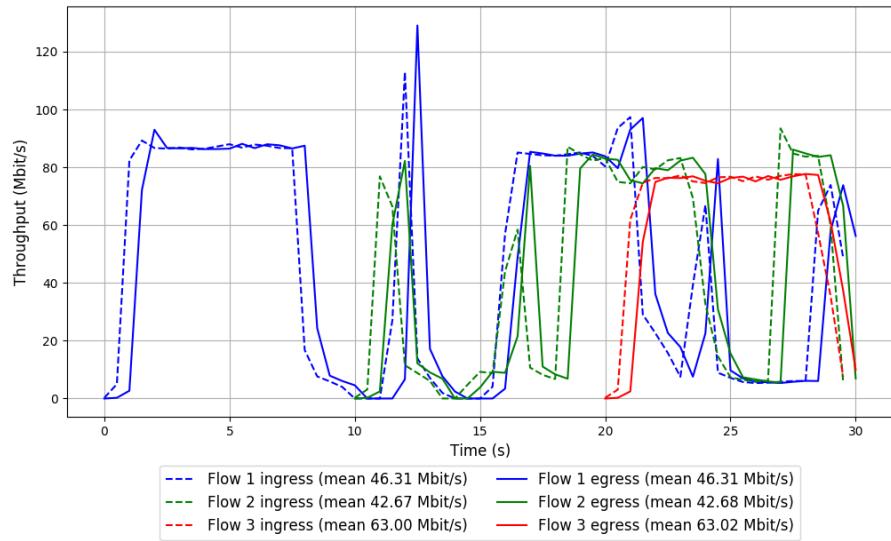


```
Run 6: Statistics of QUIC Cubic
```

```
Start at: 2018-06-01 12:06:05
End at: 2018-06-01 12:06:35
Local clock offset: -0.097 ms
Remote clock offset: 6.949 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 53.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.31 Mbit/s
95th percentile per-packet one-way delay: 53.805 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.68 Mbit/s
95th percentile per-packet one-way delay: 53.719 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.02 Mbit/s
95th percentile per-packet one-way delay: 53.851 ms
Loss rate: 0.01%
```

Run 6: Report of QUIC Cubic — Data Link

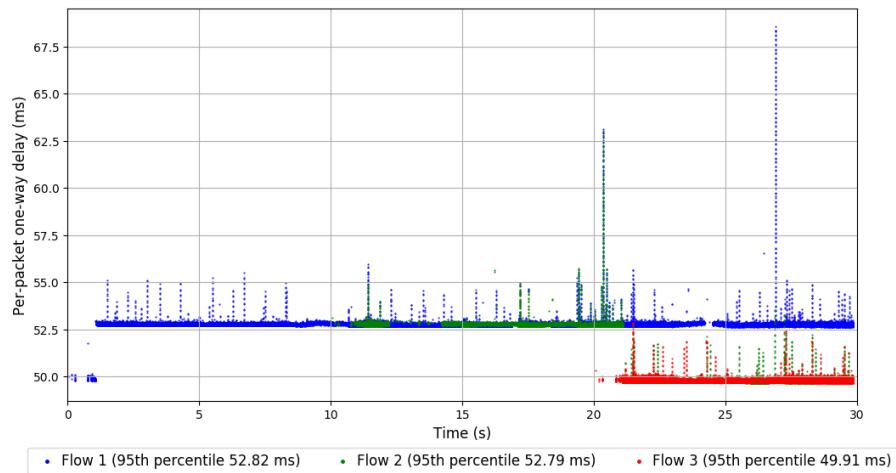
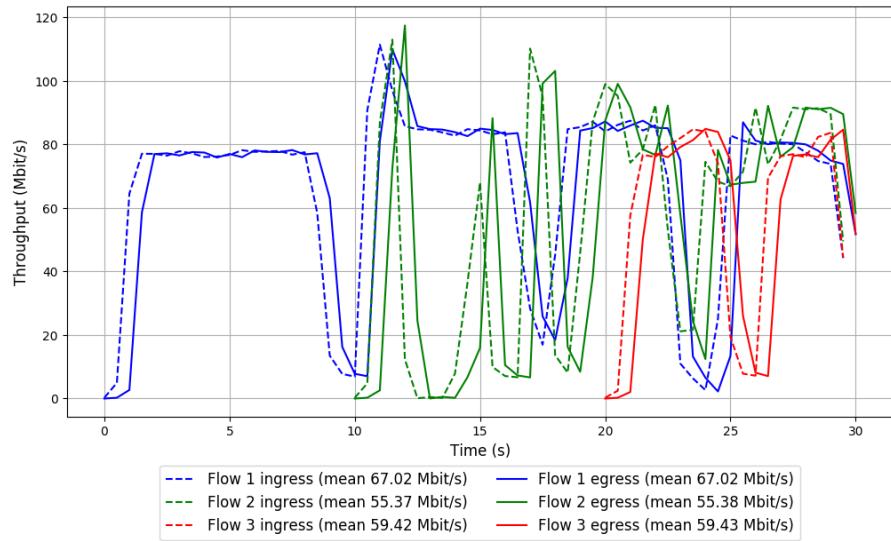


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-01 12:29:29
End at: 2018-06-01 12:29:59
Local clock offset: 0.012 ms
Remote clock offset: 6.852 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.28 Mbit/s
95th percentile per-packet one-way delay: 52.805 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.02 Mbit/s
95th percentile per-packet one-way delay: 52.821 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 55.38 Mbit/s
95th percentile per-packet one-way delay: 52.789 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 49.910 ms
Loss rate: 0.00%
```

Run 7: Report of QUIC Cubic — Data Link

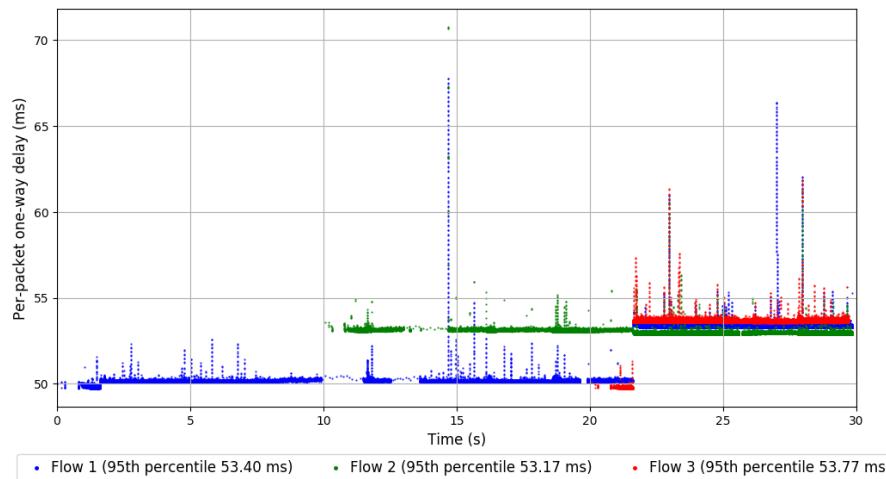
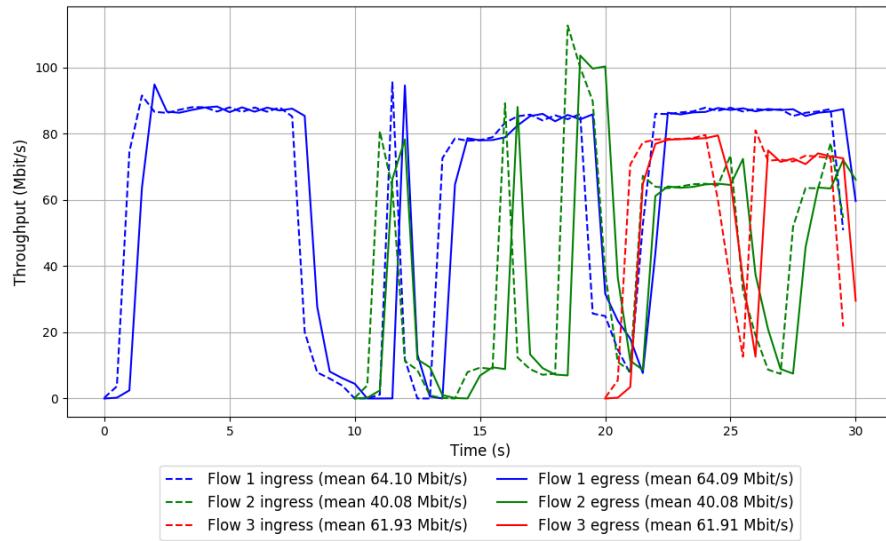


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-01 12:52:08
End at: 2018-06-01 12:52:38
Local clock offset: -0.386 ms
Remote clock offset: 2.585 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 110.69 Mbit/s
95th percentile per-packet one-way delay: 53.672 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 64.09 Mbit/s
95th percentile per-packet one-way delay: 53.395 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.08 Mbit/s
95th percentile per-packet one-way delay: 53.174 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 61.91 Mbit/s
95th percentile per-packet one-way delay: 53.773 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

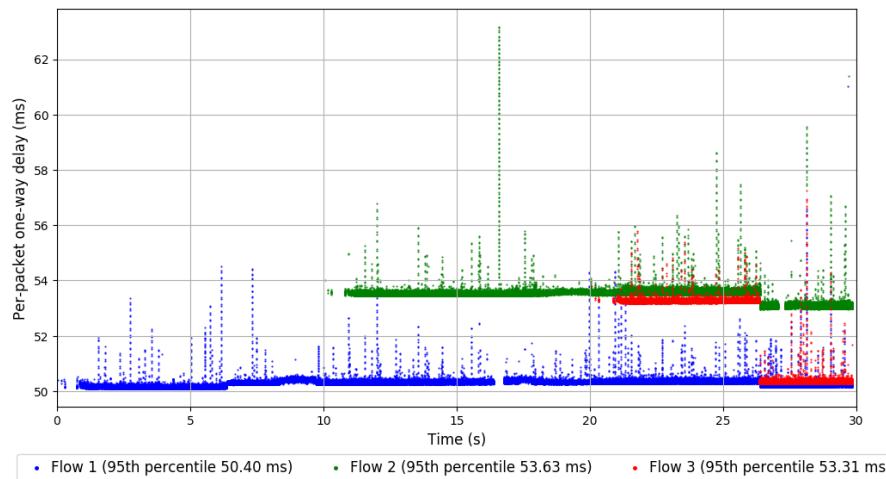
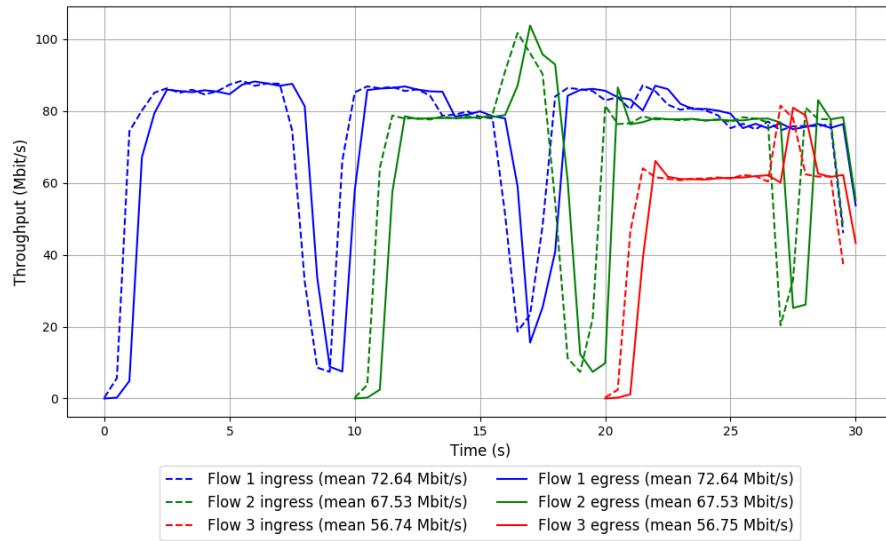


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-01 13:14:43
End at: 2018-06-01 13:15:13
Local clock offset: -0.209 ms
Remote clock offset: 1.073 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 136.10 Mbit/s
95th percentile per-packet one-way delay: 53.579 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.64 Mbit/s
95th percentile per-packet one-way delay: 50.395 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.53 Mbit/s
95th percentile per-packet one-way delay: 53.632 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 53.315 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link

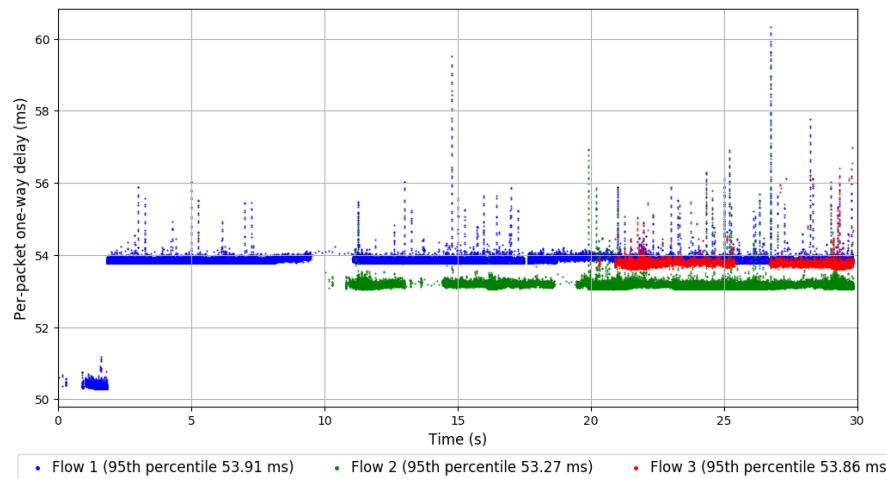
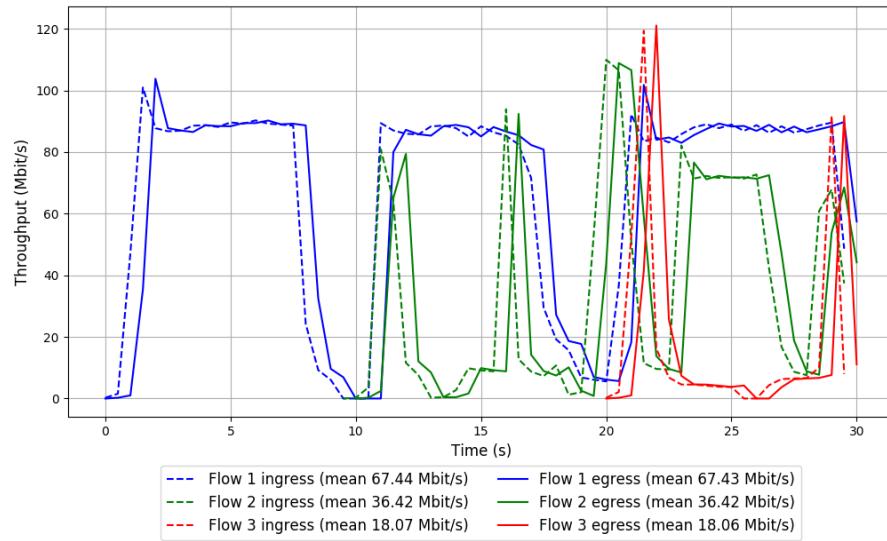


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-06-01 13:37:28
End at: 2018-06-01 13:37:58
Local clock offset: -0.187 ms
Remote clock offset: 0.848 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.53 Mbit/s
95th percentile per-packet one-way delay: 53.901 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 67.43 Mbit/s
95th percentile per-packet one-way delay: 53.914 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 53.267 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 18.06 Mbit/s
95th percentile per-packet one-way delay: 53.859 ms
Loss rate: 0.01%
```

Run 10: Report of QUIC Cubic — Data Link

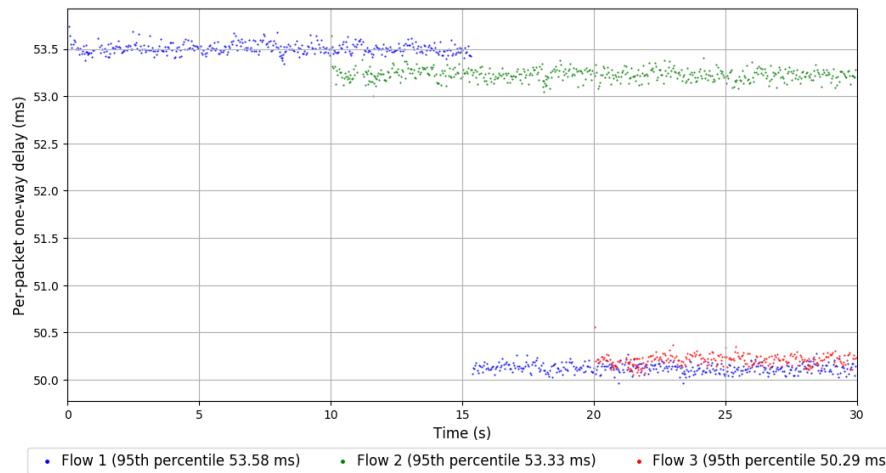
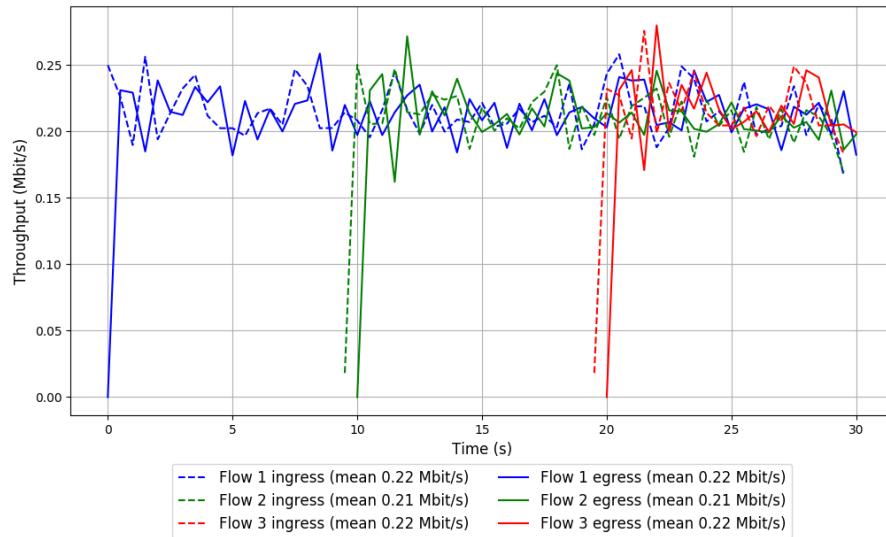


```
Run 1: Statistics of SCReAM

Start at: 2018-06-01 10:05:54
End at: 2018-06-01 10:06:24
Local clock offset: -0.281 ms
Remote clock offset: -0.179 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.551 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.582 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.328 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.287 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

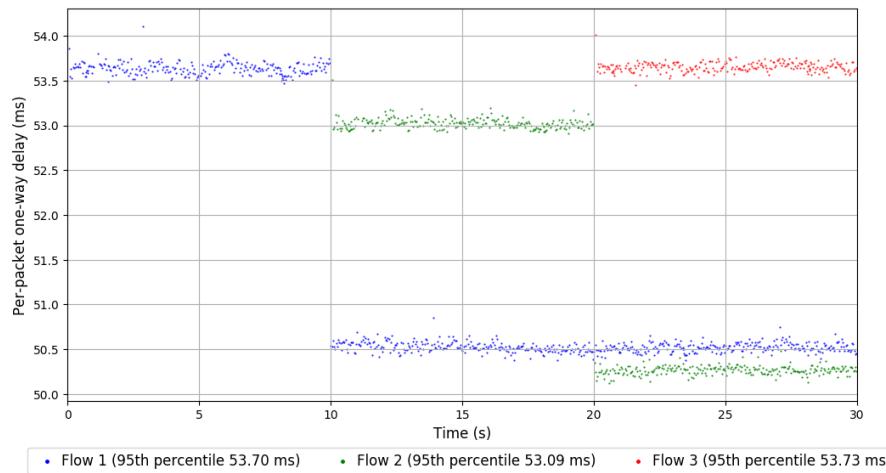
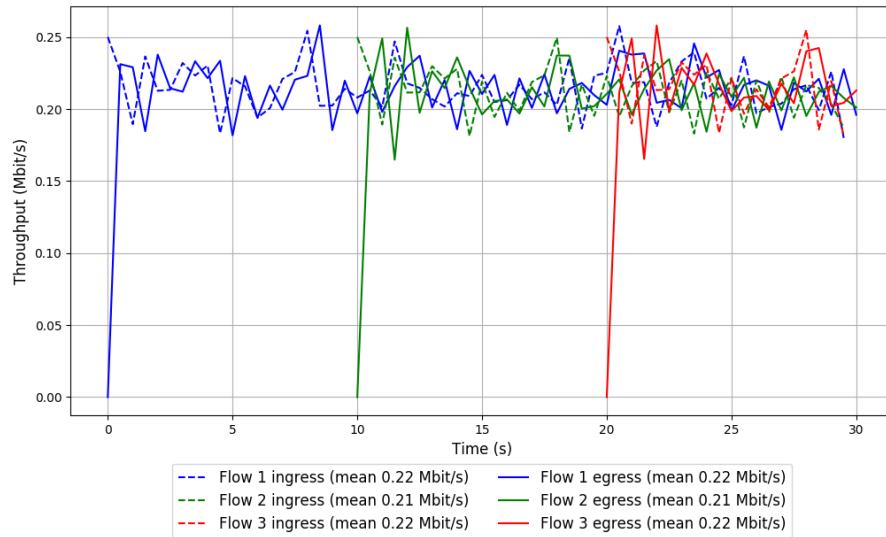


Run 2: Statistics of SCReAM

```
Start at: 2018-06-01 10:28:30
End at: 2018-06-01 10:29:00
Local clock offset: -0.161 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.702 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.090 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.735 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

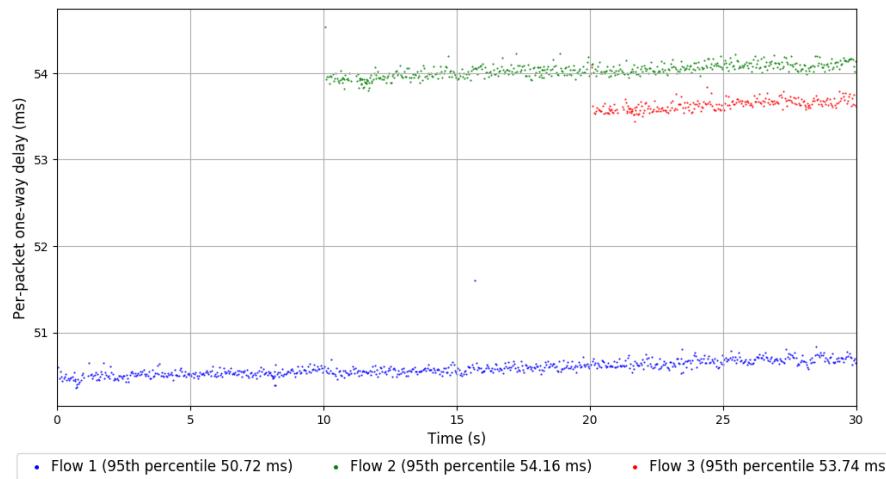
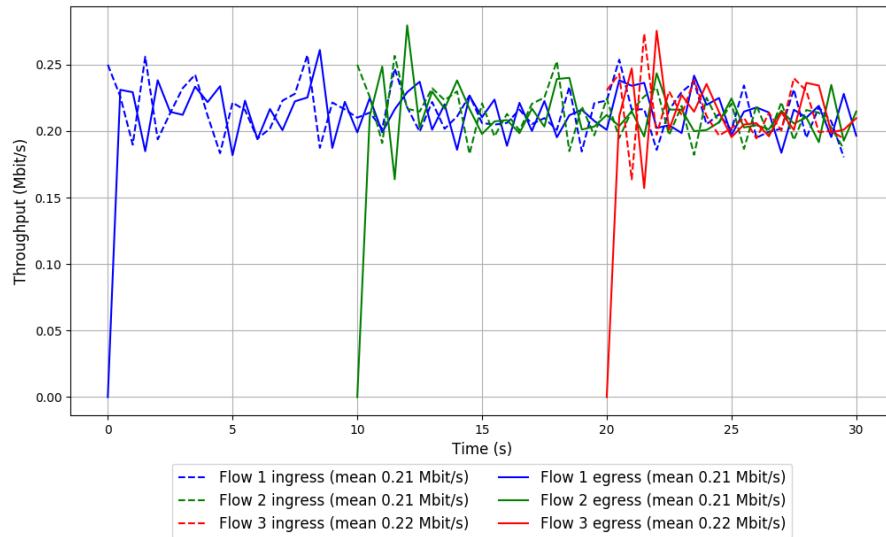


Run 3: Statistics of SCReAM

```
Start at: 2018-06-01 10:50:52
End at: 2018-06-01 10:51:22
Local clock offset: -0.017 ms
Remote clock offset: 15.055 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.717 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.160 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.741 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

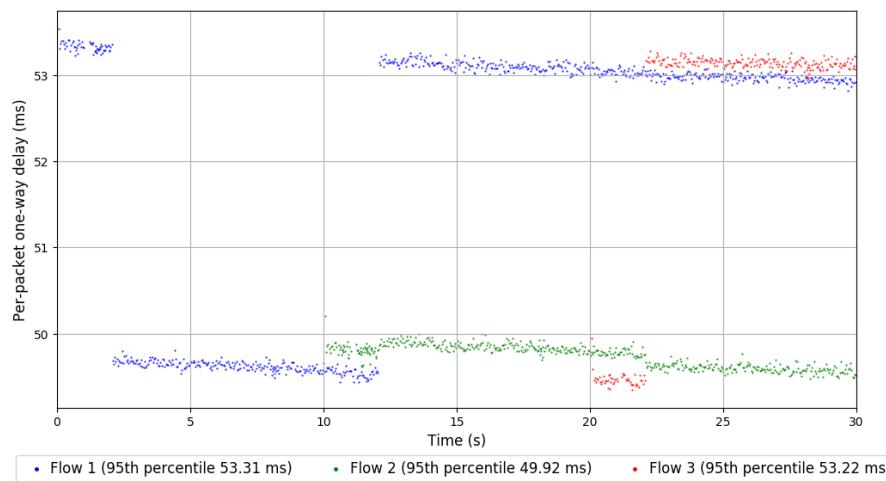
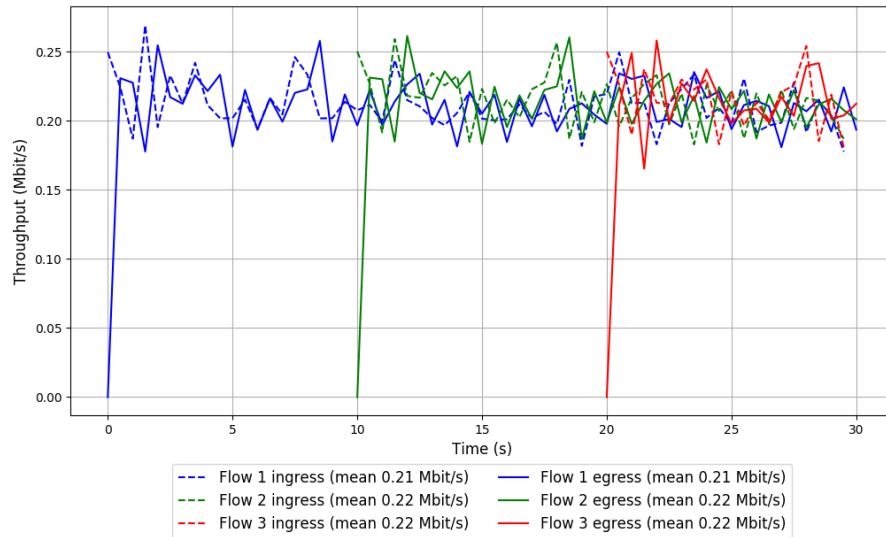


Run 4: Statistics of SCReAM

```
Start at: 2018-06-01 11:13:48
End at: 2018-06-01 11:14:18
Local clock offset: 0.018 ms
Remote clock offset: 23.082 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.309 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.923 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.220 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

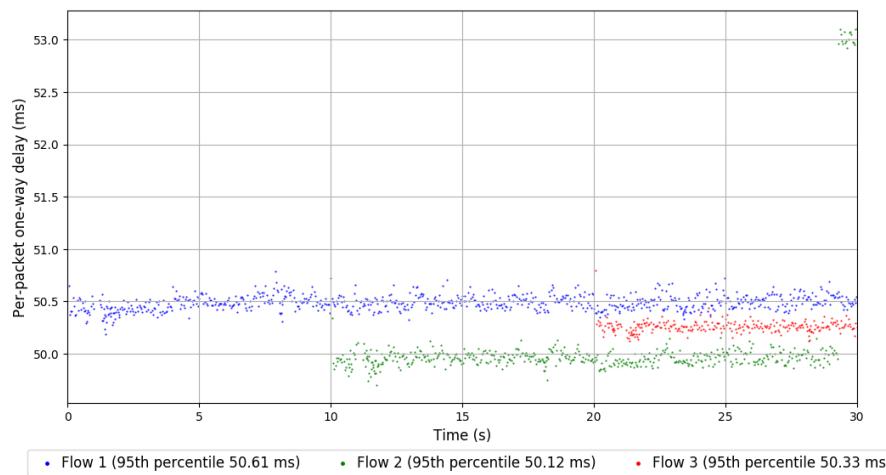
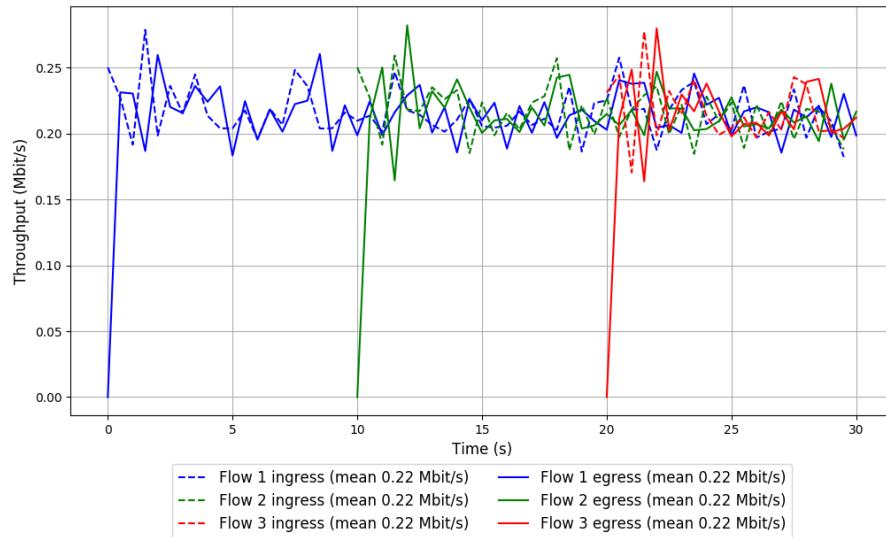


Run 5: Statistics of SCReAM

```
Start at: 2018-06-01 11:36:30
End at: 2018-06-01 11:37:00
Local clock offset: -0.095 ms
Remote clock offset: 11.562 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.613 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.119 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.334 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

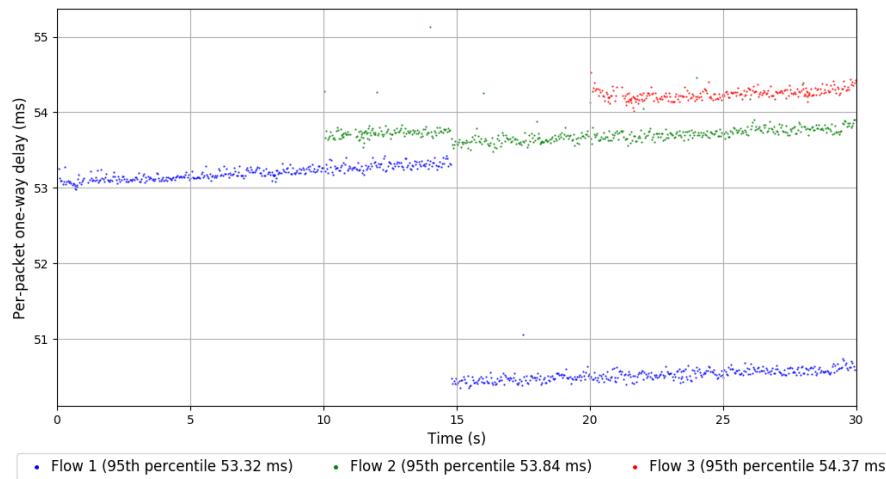
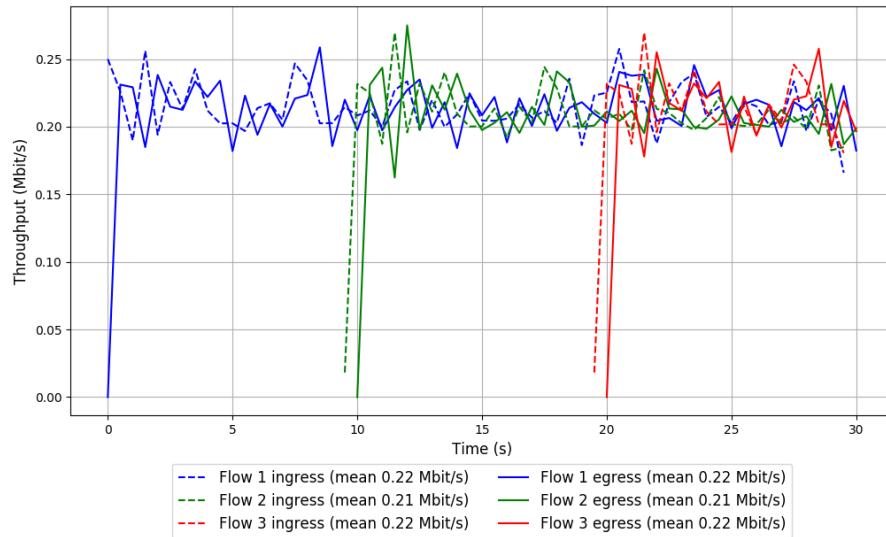


Run 6: Statistics of SCReAM

```
Start at: 2018-06-01 11:59:35
End at: 2018-06-01 12:00:05
Local clock offset: 0.187 ms
Remote clock offset: 11.211 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.281 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.320 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.838 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.365 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

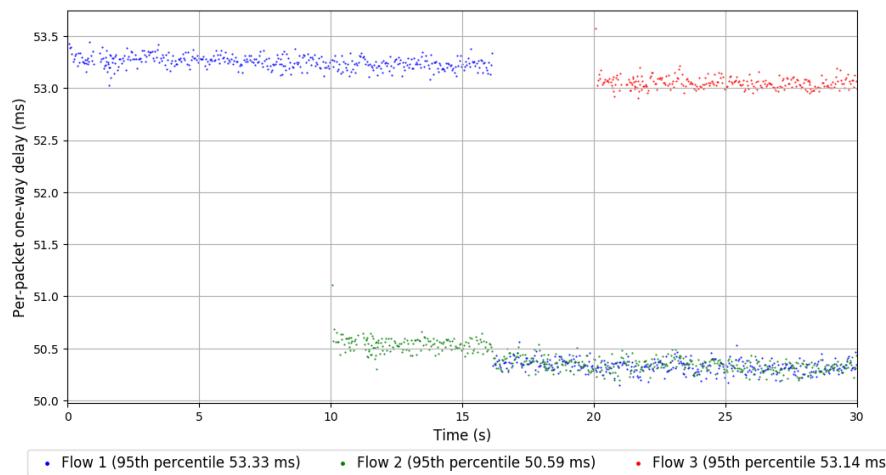
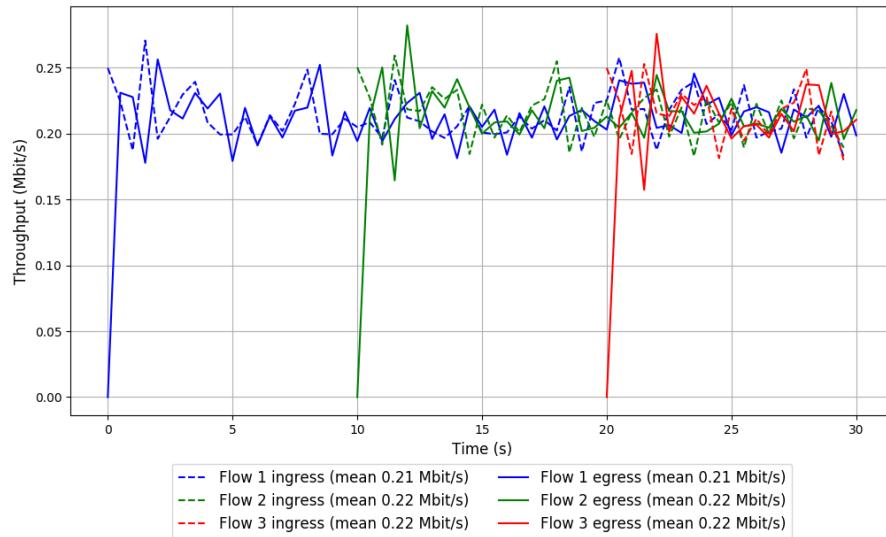


Run 7: Statistics of SCReAM

```
Start at: 2018-06-01 12:22:54
End at: 2018-06-01 12:23:24
Local clock offset: -0.131 ms
Remote clock offset: 6.046 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.309 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.332 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.594 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.144 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

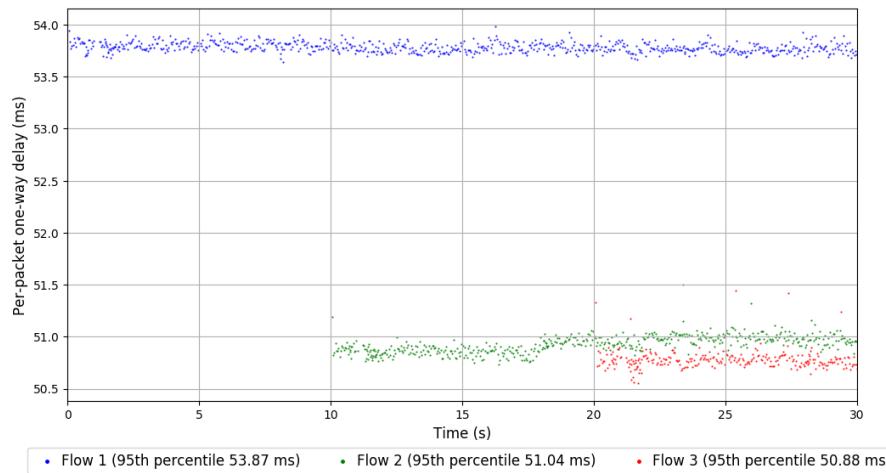
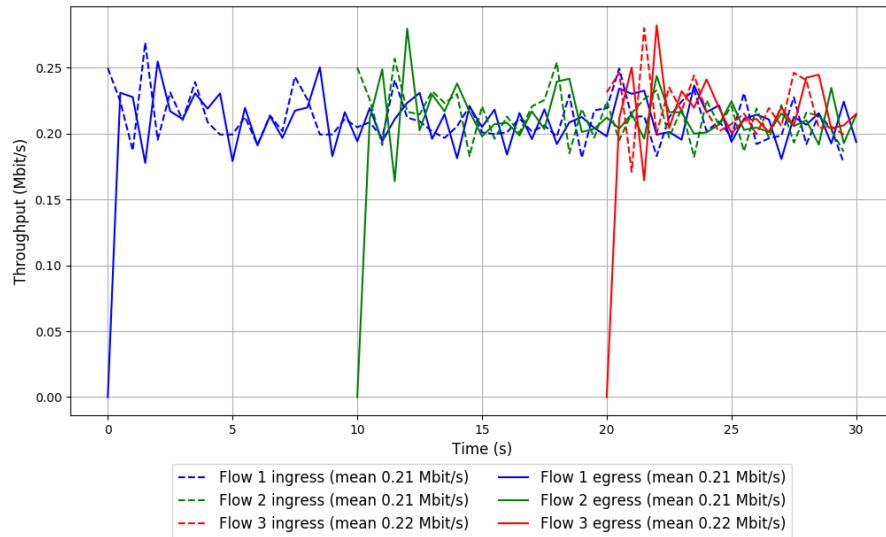


Run 8: Statistics of SCReAM

```
Start at: 2018-06-01 12:45:42
End at: 2018-06-01 12:46:12
Local clock offset: -0.445 ms
Remote clock offset: 2.927 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.865 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 51.043 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.883 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

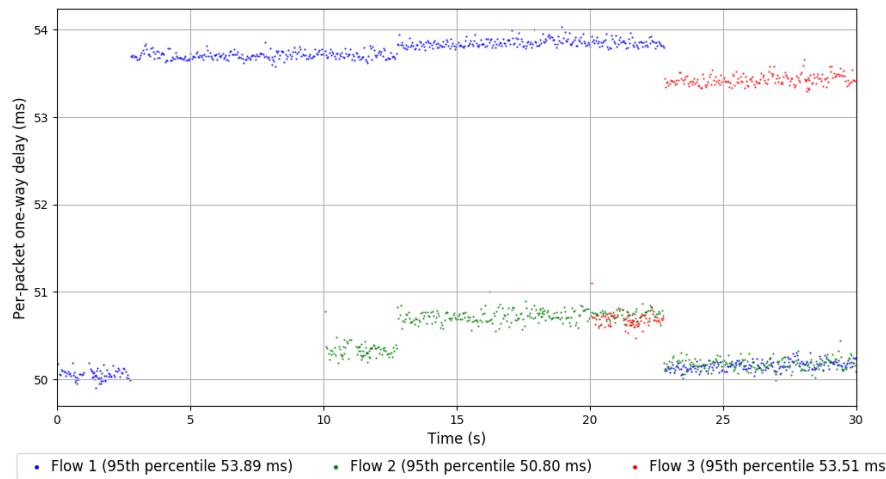
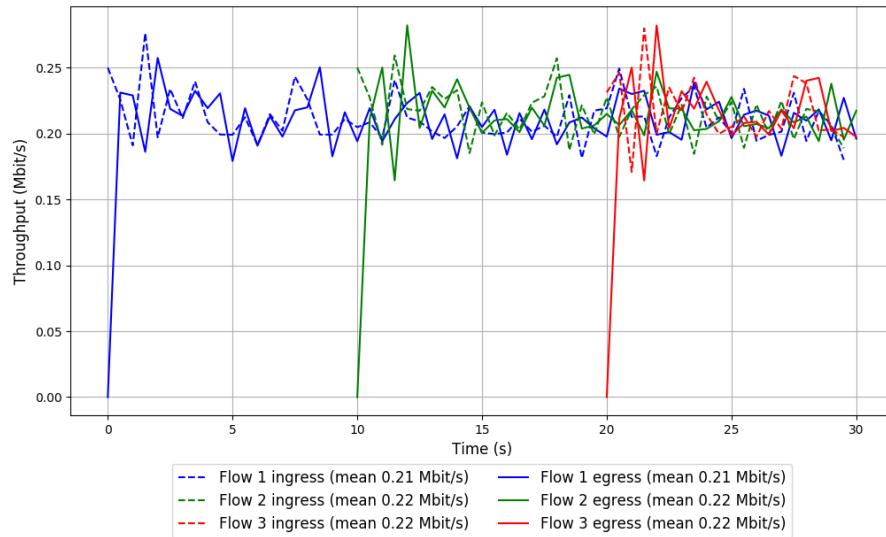


Run 9: Statistics of SCReAM

```
Start at: 2018-06-01 13:08:17
End at: 2018-06-01 13:08:47
Local clock offset: -0.201 ms
Remote clock offset: 2.318 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.863 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.892 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.804 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.512 ms
Loss rate: 0.35%
```

Run 9: Report of SCReAM — Data Link

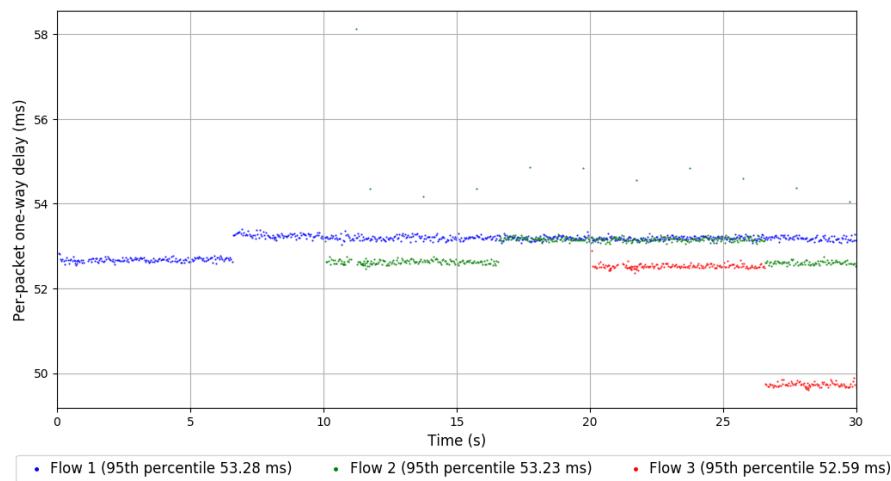
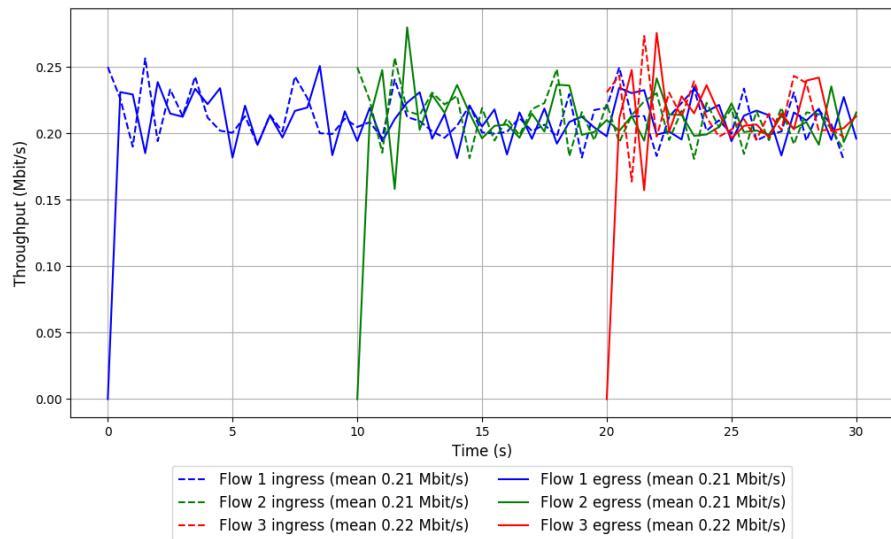


Run 10: Statistics of SCReAM

```
Start at: 2018-06-01 13:31:03
End at: 2018-06-01 13:31:33
Local clock offset: 0.253 ms
Remote clock offset: 0.557 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.265 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.285 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.233 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.586 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

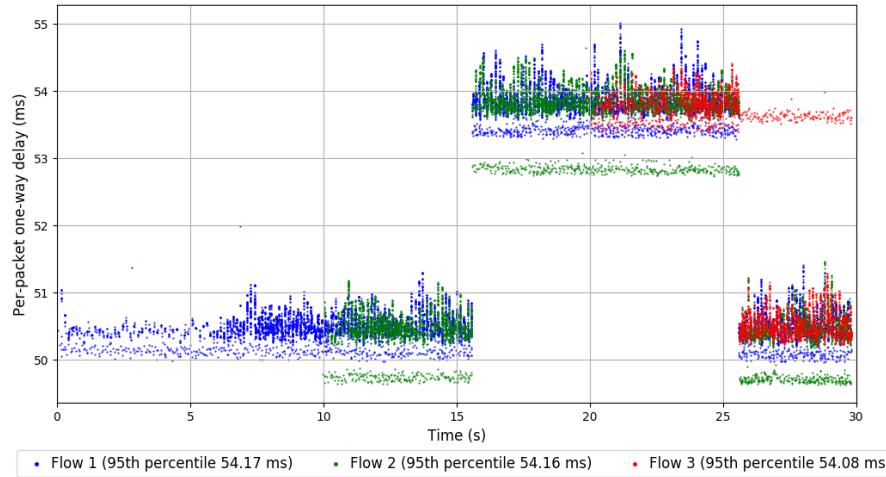
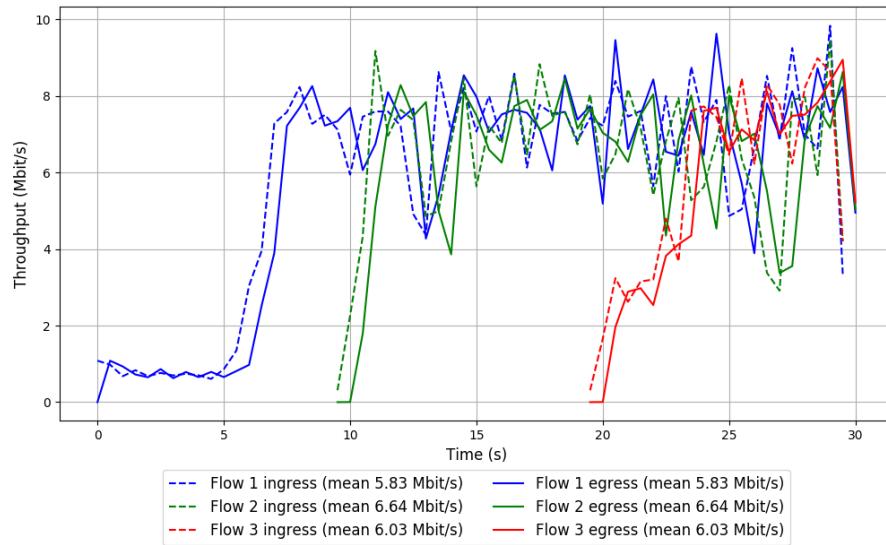


Run 1: Statistics of Sprout

```
Start at: 2018-06-01 10:08:34
End at: 2018-06-01 10:09:04
Local clock offset: -0.182 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.26 Mbit/s
95th percentile per-packet one-way delay: 54.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.83 Mbit/s
95th percentile per-packet one-way delay: 54.168 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 54.158 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.03 Mbit/s
95th percentile per-packet one-way delay: 54.080 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

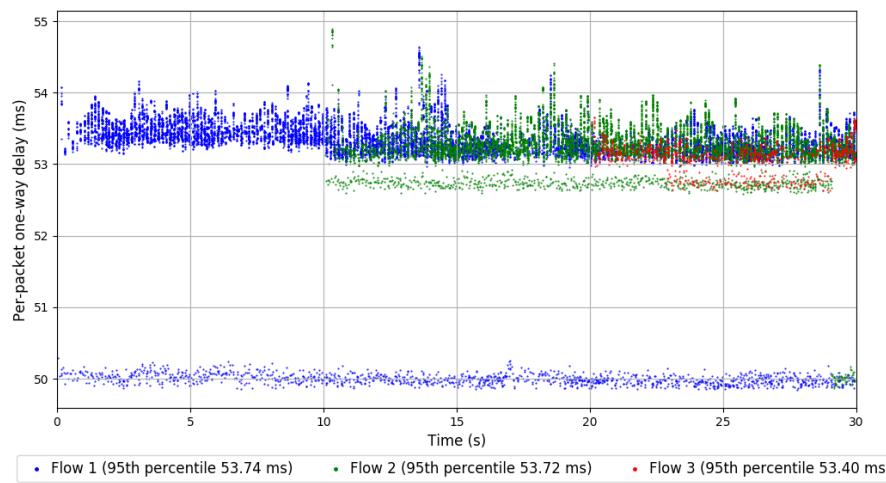
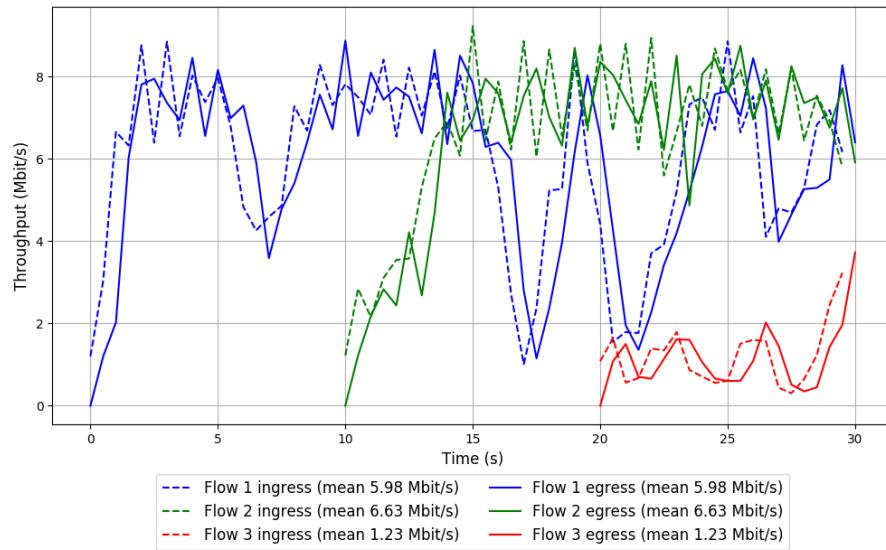


Run 2: Statistics of Sprout

```
Start at: 2018-06-01 10:31:01
End at: 2018-06-01 10:31:31
Local clock offset: 0.299 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.79 Mbit/s
95th percentile per-packet one-way delay: 53.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 53.740 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 53.724 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 53.398 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

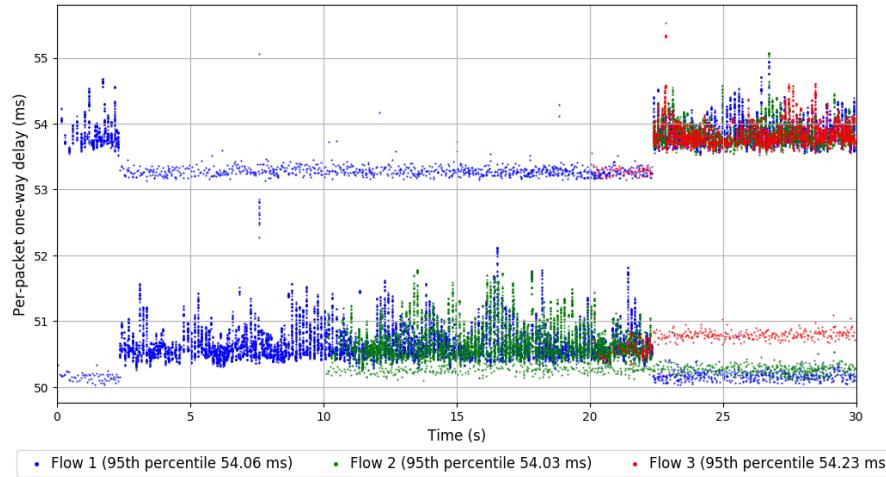
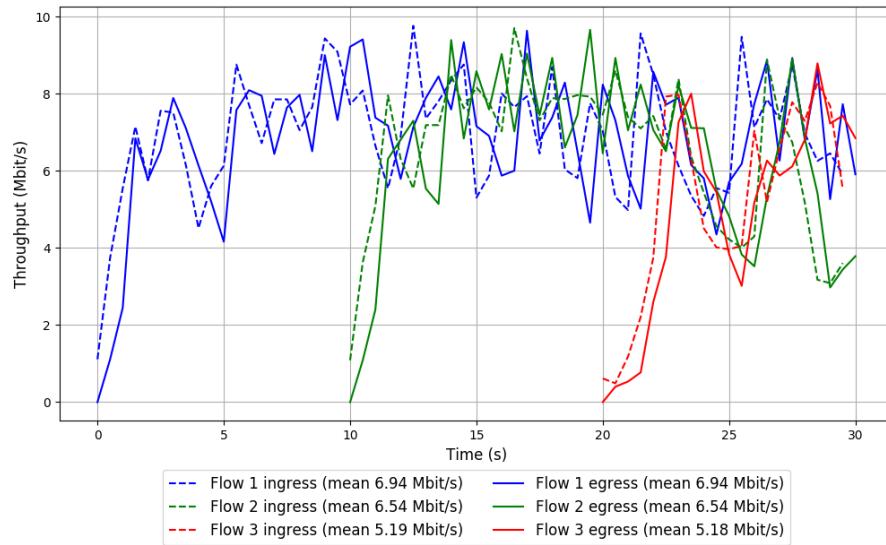


Run 3: Statistics of Sprout

```
Start at: 2018-06-01 10:53:37
End at: 2018-06-01 10:54:07
Local clock offset: -0.06 ms
Remote clock offset: 13.802 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.00 Mbit/s
95th percentile per-packet one-way delay: 54.080 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 54.059 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.54 Mbit/s
95th percentile per-packet one-way delay: 54.035 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.18 Mbit/s
95th percentile per-packet one-way delay: 54.228 ms
Loss rate: 0.16%
```

Run 3: Report of Sprout — Data Link

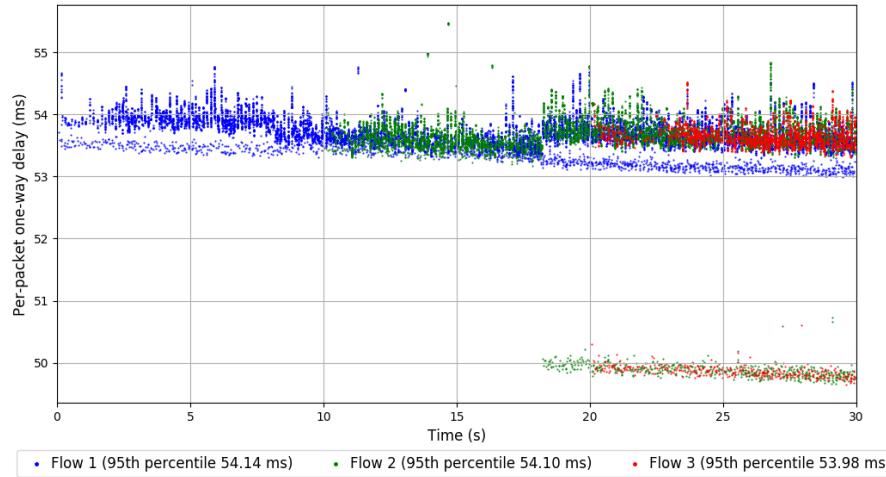
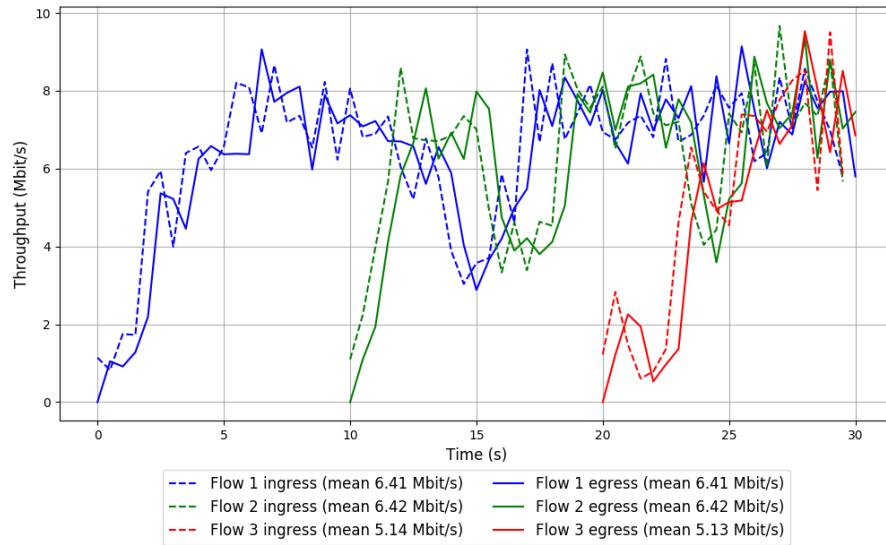


Run 4: Statistics of Sprout

```
Start at: 2018-06-01 11:16:21
End at: 2018-06-01 11:16:52
Local clock offset: -0.179 ms
Remote clock offset: 25.303 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 54.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 54.138 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 54.098 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.13 Mbit/s
95th percentile per-packet one-way delay: 53.980 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

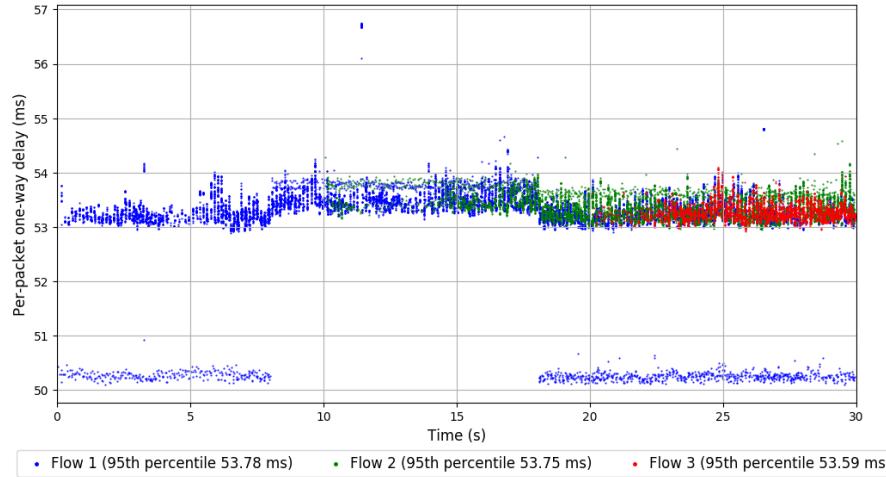
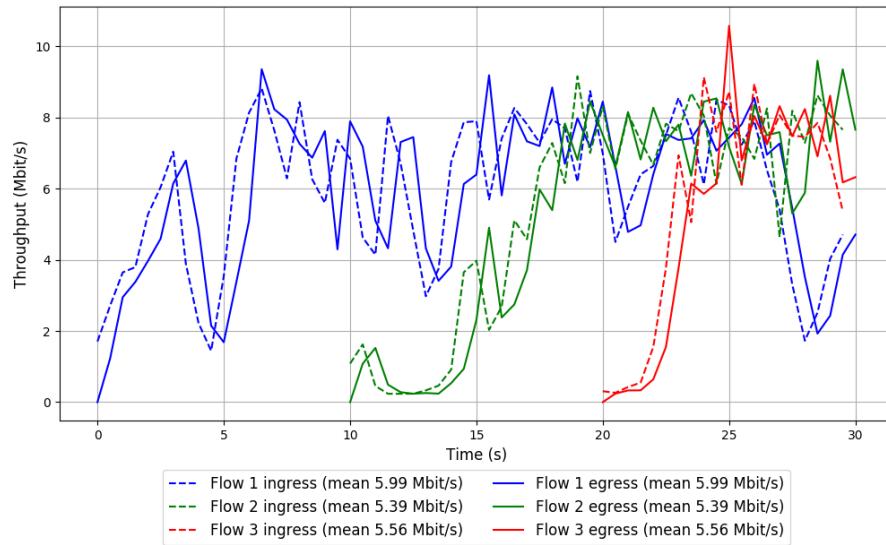


Run 5: Statistics of Sprout

```
Start at: 2018-06-01 11:39:12
End at: 2018-06-01 11:39:42
Local clock offset: -0.067 ms
Remote clock offset: 11.392 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 53.750 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.99 Mbit/s
95th percentile per-packet one-way delay: 53.779 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.39 Mbit/s
95th percentile per-packet one-way delay: 53.751 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 53.587 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

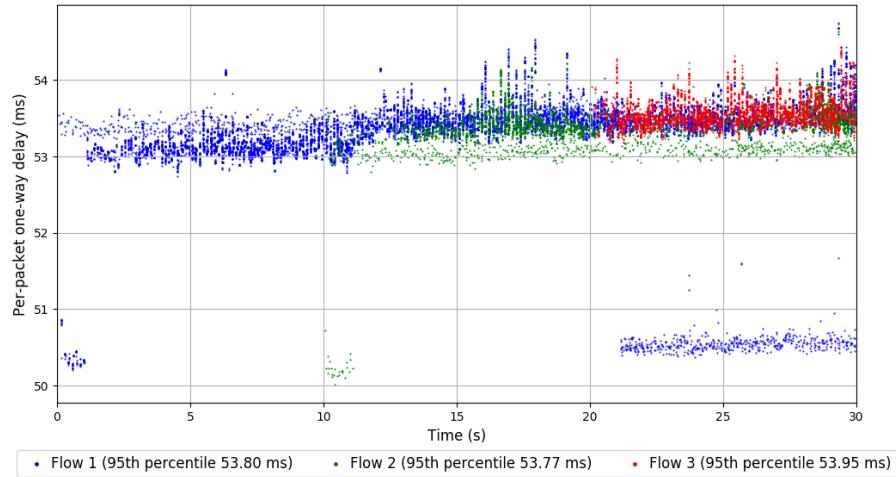
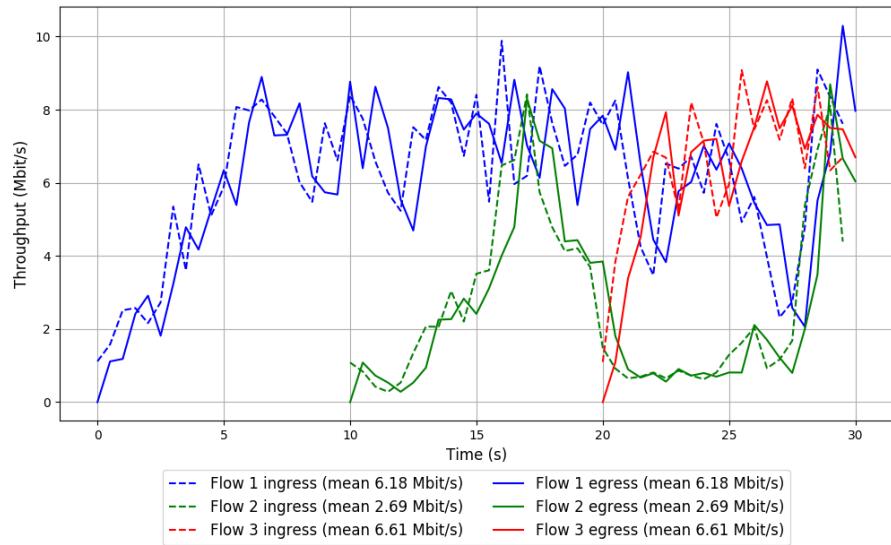


Run 6: Statistics of Sprout

```
Start at: 2018-06-01 12:02:19
End at: 2018-06-01 12:02:49
Local clock offset: 0.283 ms
Remote clock offset: 8.798 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 53.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.18 Mbit/s
95th percentile per-packet one-way delay: 53.797 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 53.765 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.61 Mbit/s
95th percentile per-packet one-way delay: 53.948 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

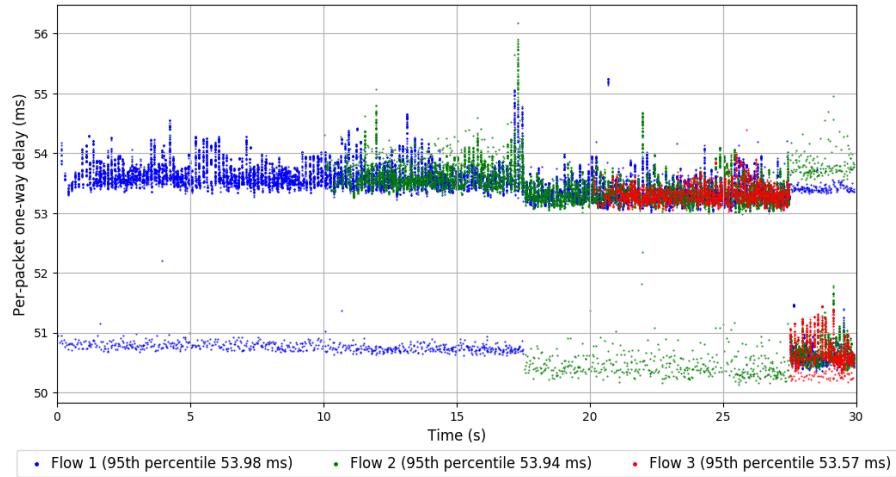
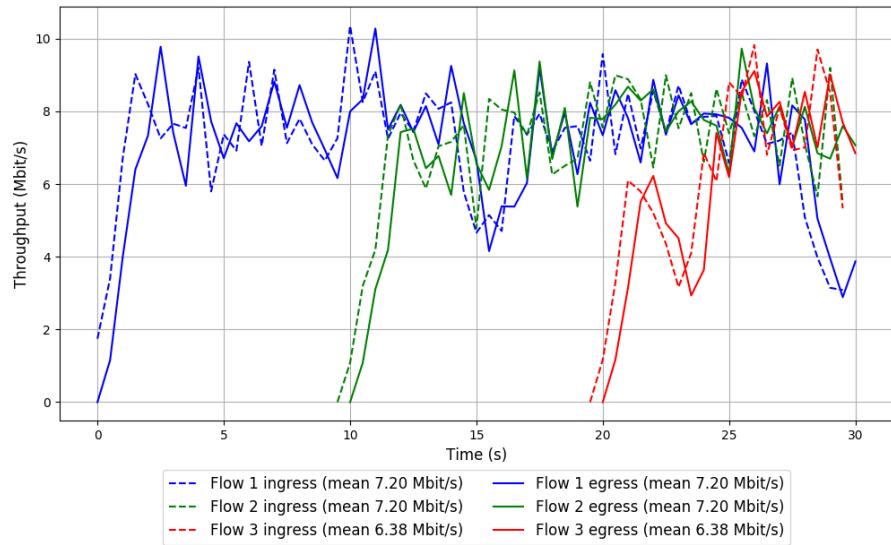


Run 7: Statistics of Sprout

```
Start at: 2018-06-01 12:25:42
End at: 2018-06-01 12:26:12
Local clock offset: 0.081 ms
Remote clock offset: 6.71 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.09 Mbit/s
95th percentile per-packet one-way delay: 53.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 53.980 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 53.940 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.38 Mbit/s
95th percentile per-packet one-way delay: 53.570 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

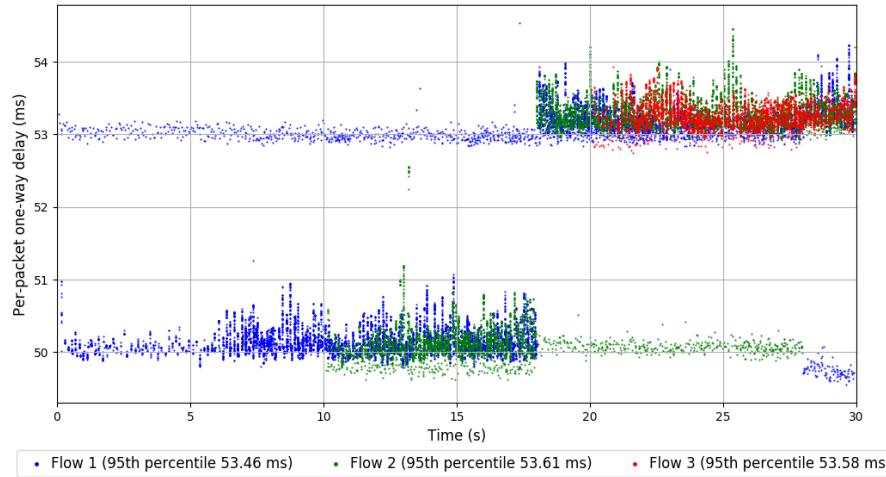
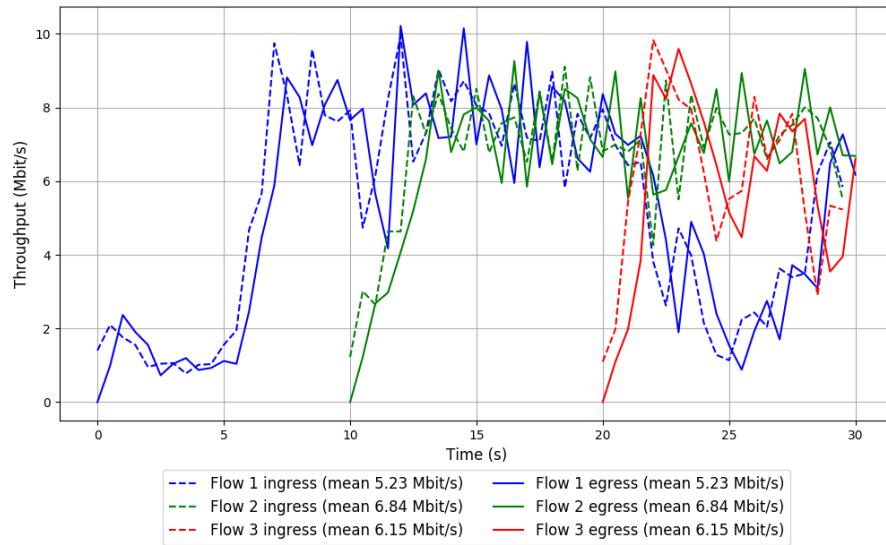


Run 8: Statistics of Sprout

```
Start at: 2018-06-01 12:48:22
End at: 2018-06-01 12:48:52
Local clock offset: -0.131 ms
Remote clock offset: 2.556 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 53.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 53.457 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 53.614 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.15 Mbit/s
95th percentile per-packet one-way delay: 53.582 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

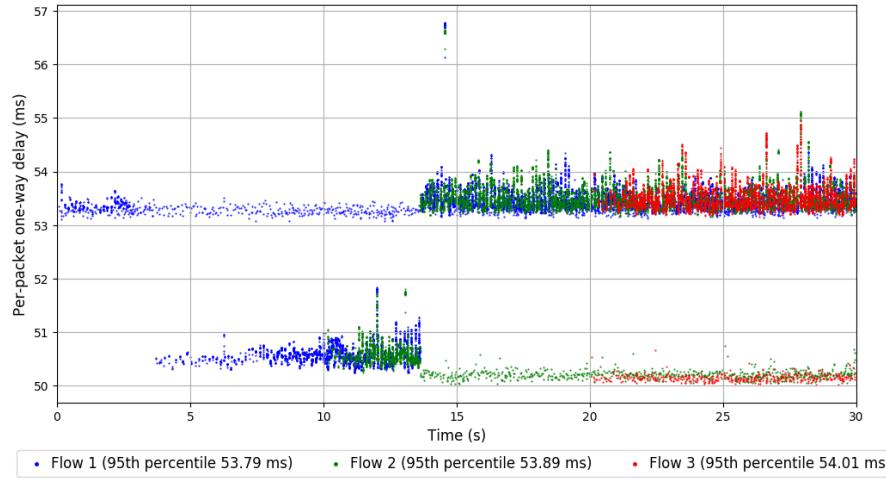
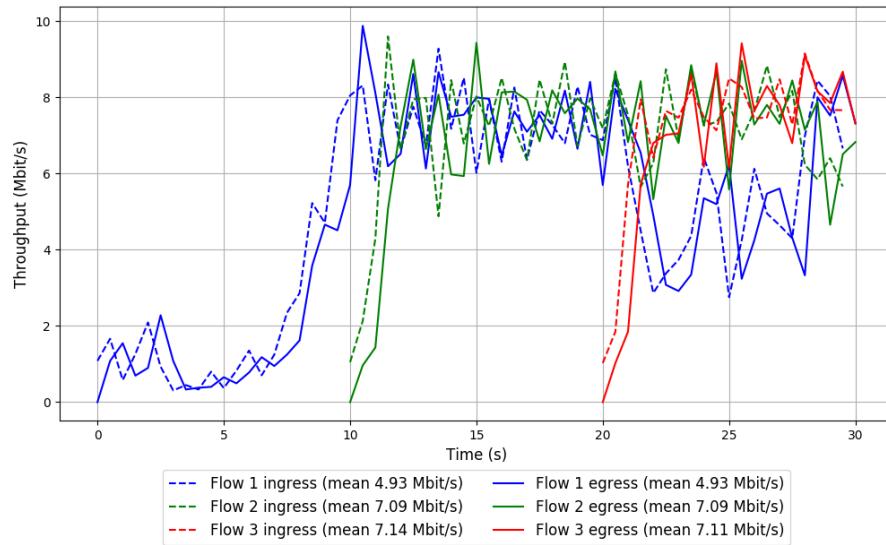


Run 9: Statistics of Sprout

```
Start at: 2018-06-01 13:10:56
End at: 2018-06-01 13:11:26
Local clock offset: -0.216 ms
Remote clock offset: 1.657 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 53.878 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 4.93 Mbit/s
95th percentile per-packet one-way delay: 53.789 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.09 Mbit/s
95th percentile per-packet one-way delay: 53.893 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 54.005 ms
Loss rate: 0.47%
```

Run 9: Report of Sprout — Data Link

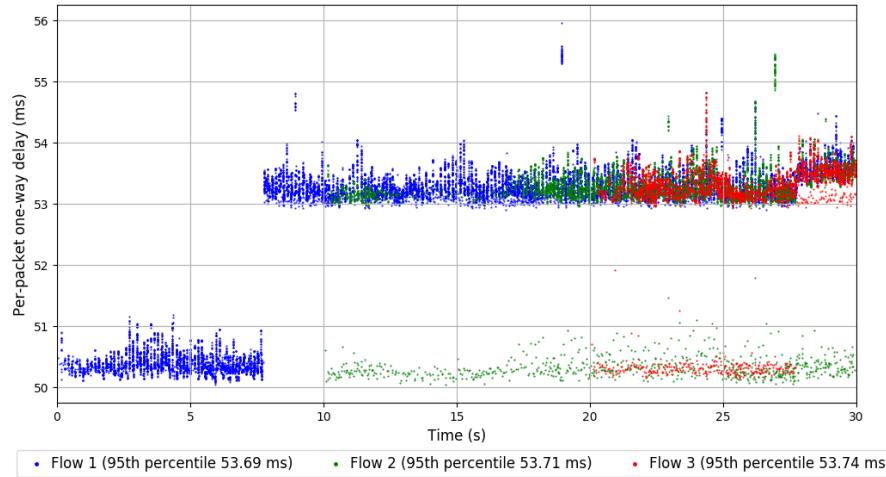
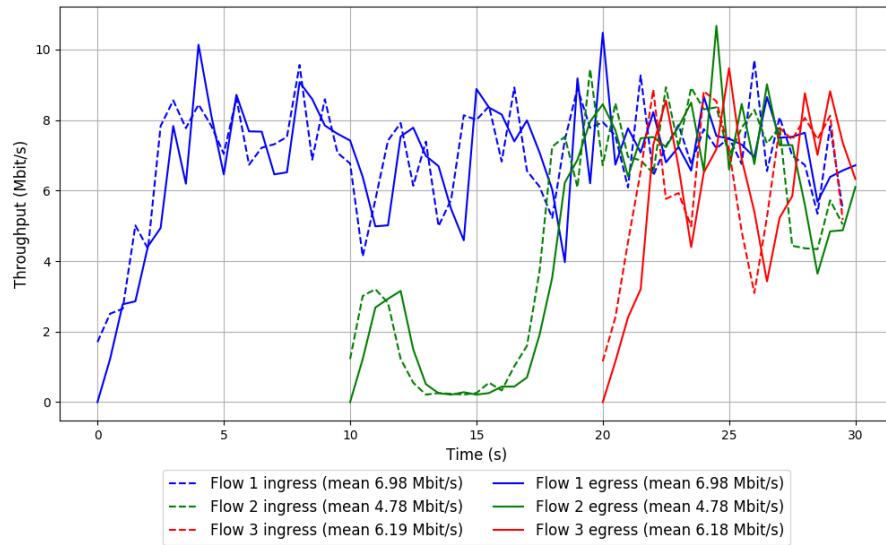


Run 10: Statistics of Sprout

```
Start at: 2018-06-01 13:33:42
End at: 2018-06-01 13:34:12
Local clock offset: -0.196 ms
Remote clock offset: 0.374 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.20 Mbit/s
95th percentile per-packet one-way delay: 53.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 53.687 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 53.714 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.18 Mbit/s
95th percentile per-packet one-way delay: 53.742 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

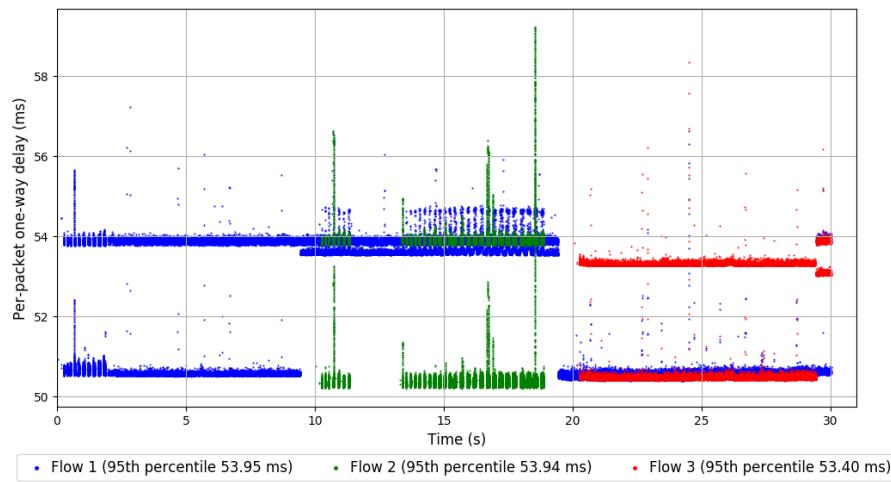
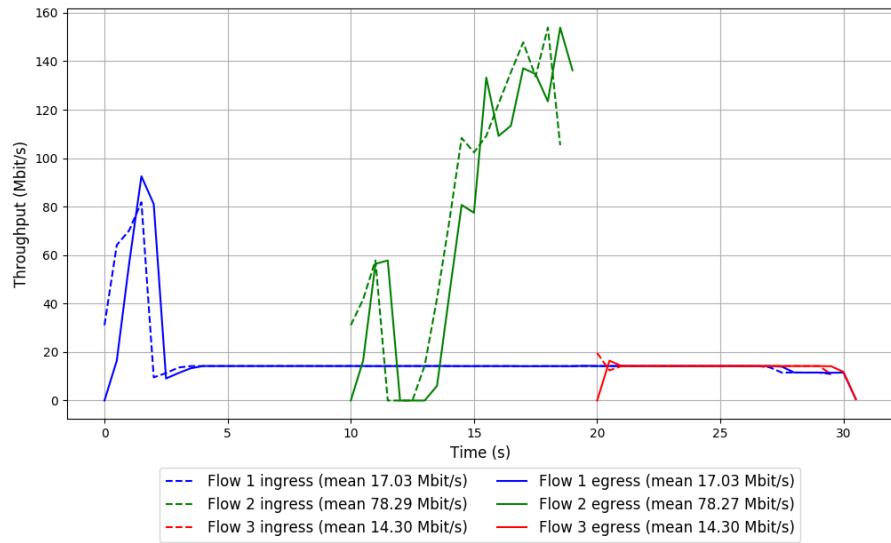


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-01 10:16:50
End at: 2018-06-01 10:17:20
Local clock offset: -0.152 ms
Remote clock offset: 0.239 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.80 Mbit/s
95th percentile per-packet one-way delay: 53.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 17.03 Mbit/s
95th percentile per-packet one-way delay: 53.952 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 78.27 Mbit/s
95th percentile per-packet one-way delay: 53.935 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.30 Mbit/s
95th percentile per-packet one-way delay: 53.395 ms
Loss rate: 0.02%
```

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

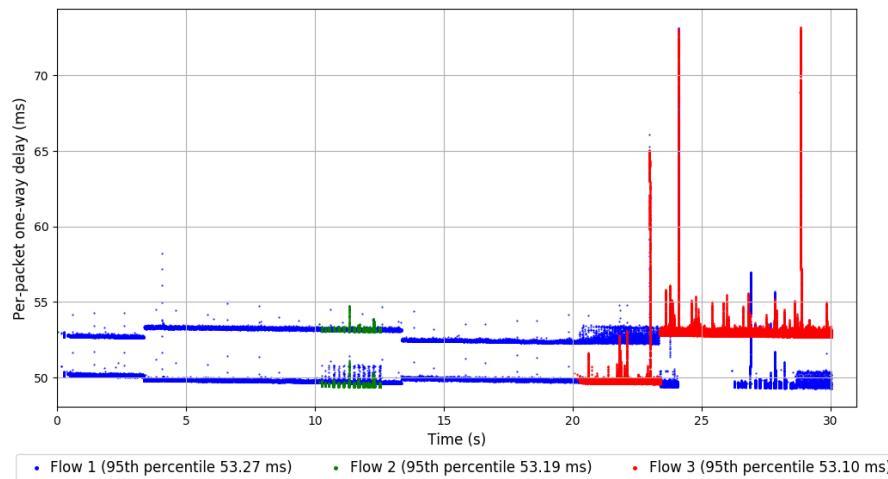
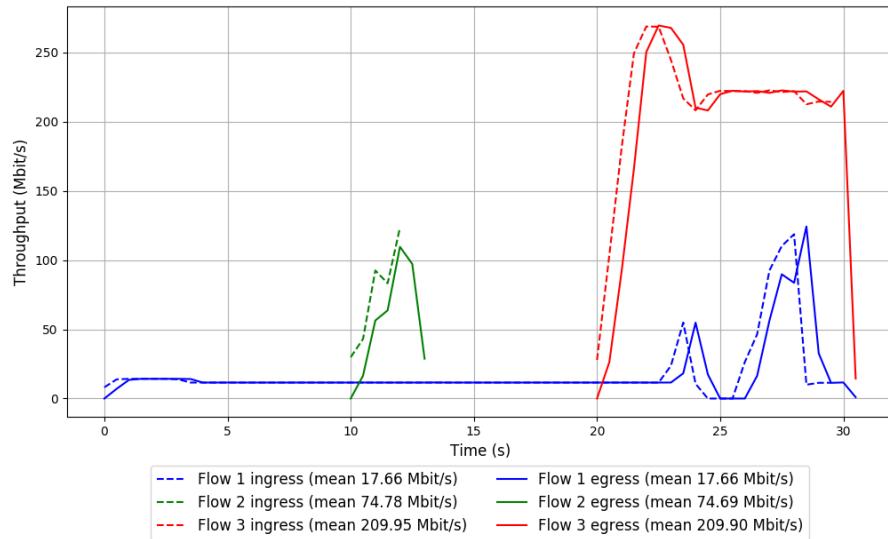


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-01 10:39:16
End at: 2018-06-01 10:39:46
Local clock offset: -0.046 ms
Remote clock offset: 6.605 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 53.161 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 17.66 Mbit/s
95th percentile per-packet one-way delay: 53.271 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 74.69 Mbit/s
95th percentile per-packet one-way delay: 53.187 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 209.90 Mbit/s
95th percentile per-packet one-way delay: 53.101 ms
Loss rate: 0.03%
```

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

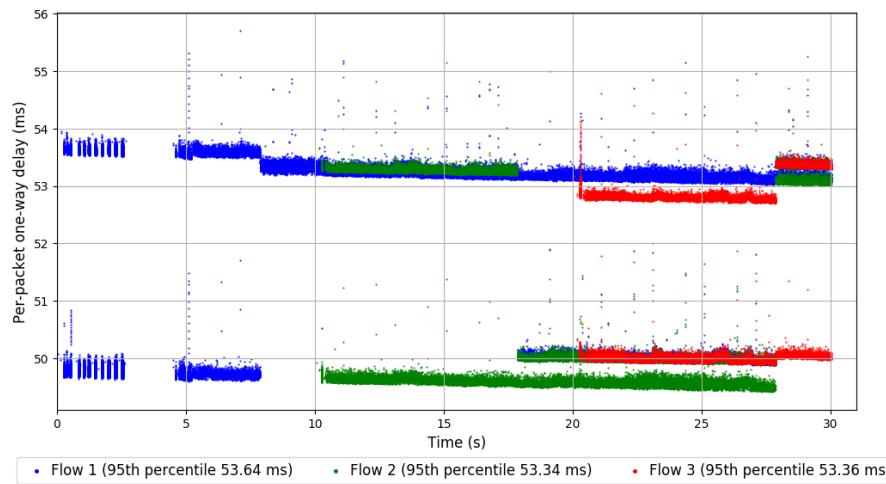
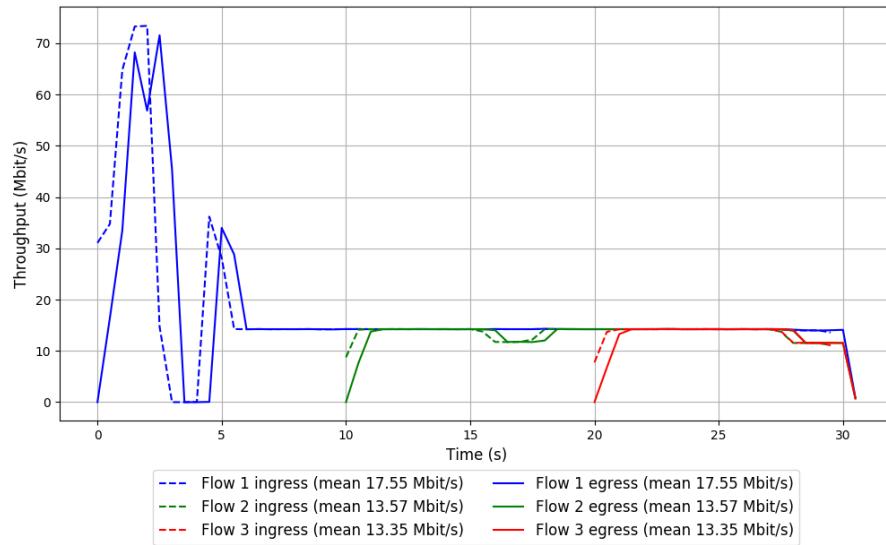


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-01 11:02:02
End at: 2018-06-01 11:02:32
Local clock offset: -0.188 ms
Remote clock offset: 15.333 ms

# Below is generated by plot.py at 2018-06-01 15:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 53.619 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 53.643 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 13.57 Mbit/s
95th percentile per-packet one-way delay: 53.345 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 13.35 Mbit/s
95th percentile per-packet one-way delay: 53.360 ms
Loss rate: 0.02%
```

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

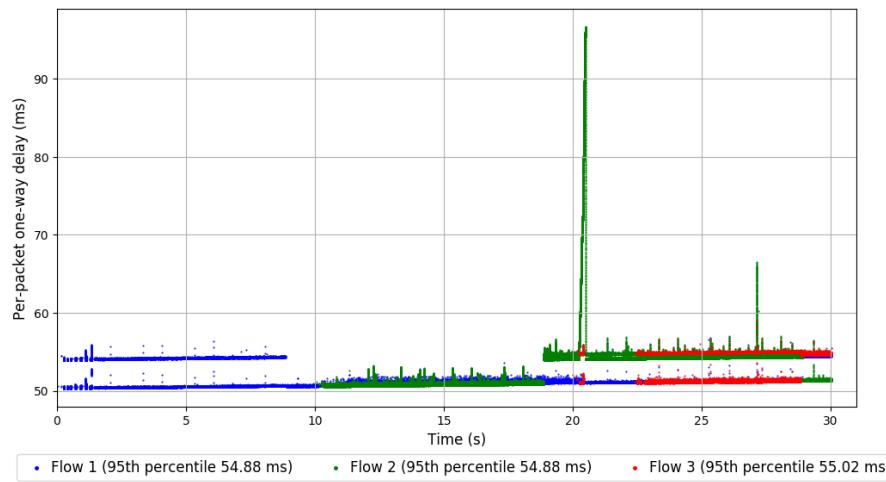
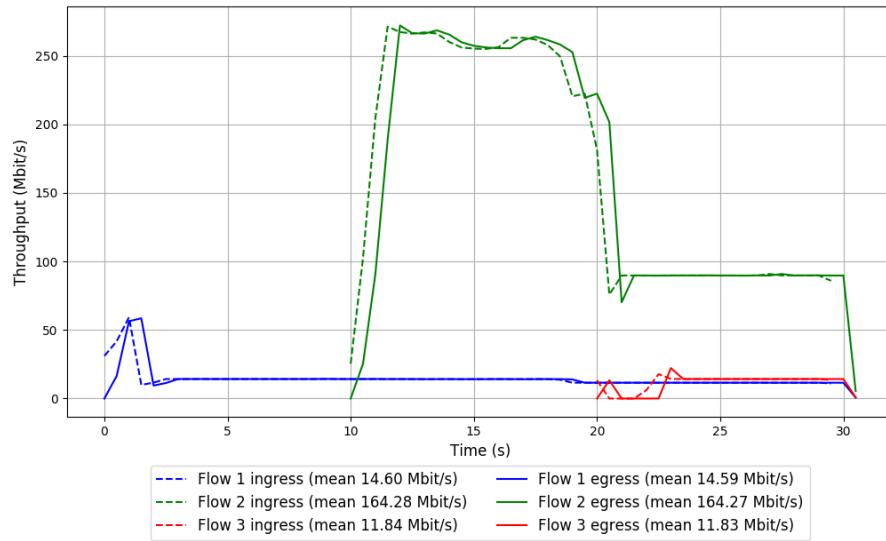


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-01 11:24:41
End at: 2018-06-01 11:25:11
Local clock offset: 0.14 ms
Remote clock offset: 23.973 ms

# Below is generated by plot.py at 2018-06-01 15:49:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 127.95 Mbit/s
95th percentile per-packet one-way delay: 54.898 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 14.59 Mbit/s
95th percentile per-packet one-way delay: 54.881 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 164.27 Mbit/s
95th percentile per-packet one-way delay: 54.884 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 55.016 ms
Loss rate: 0.02%
```

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

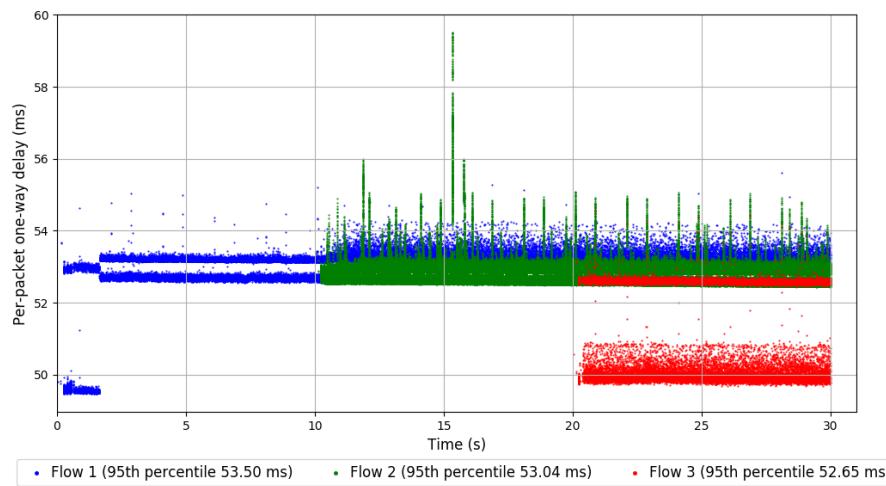
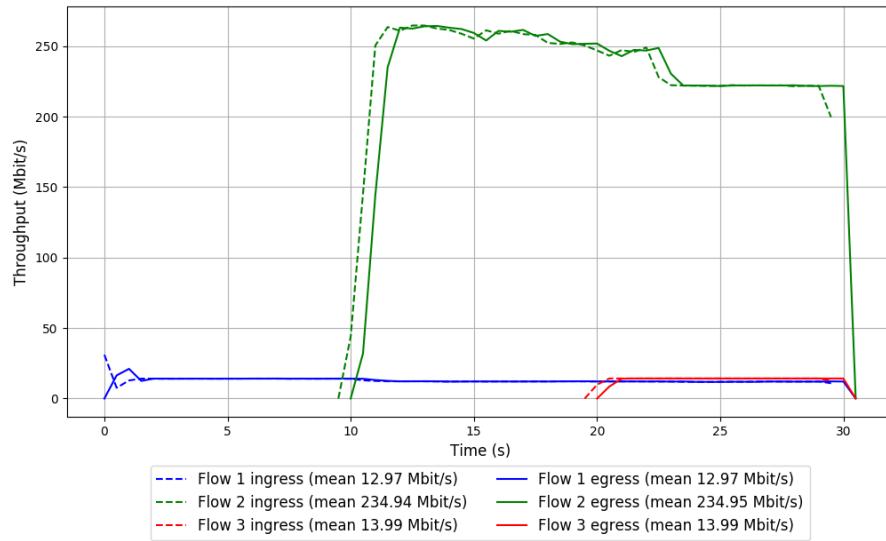


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-01 11:47:28
End at: 2018-06-01 11:47:58
Local clock offset: -0.028 ms
Remote clock offset: 12.182 ms

# Below is generated by plot.py at 2018-06-01 15:51:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 174.26 Mbit/s
95th percentile per-packet one-way delay: 53.110 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 53.496 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 234.95 Mbit/s
95th percentile per-packet one-way delay: 53.040 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 13.99 Mbit/s
95th percentile per-packet one-way delay: 52.647 ms
Loss rate: 0.01%
```

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

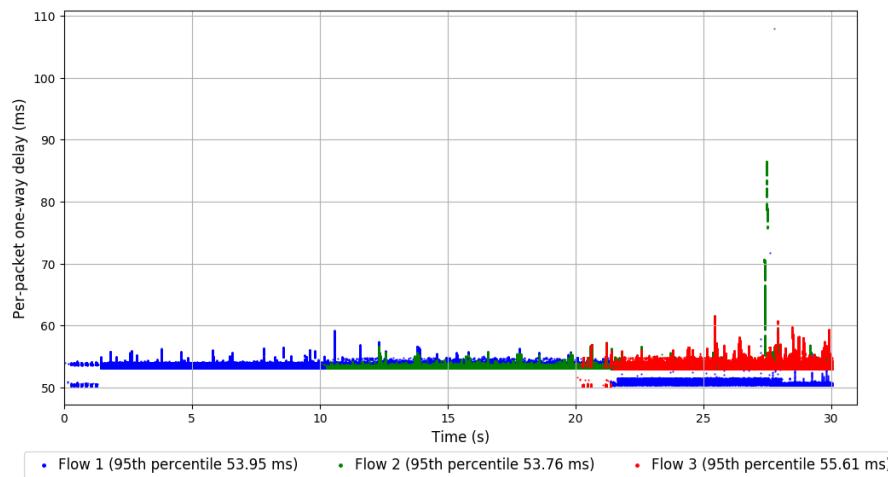
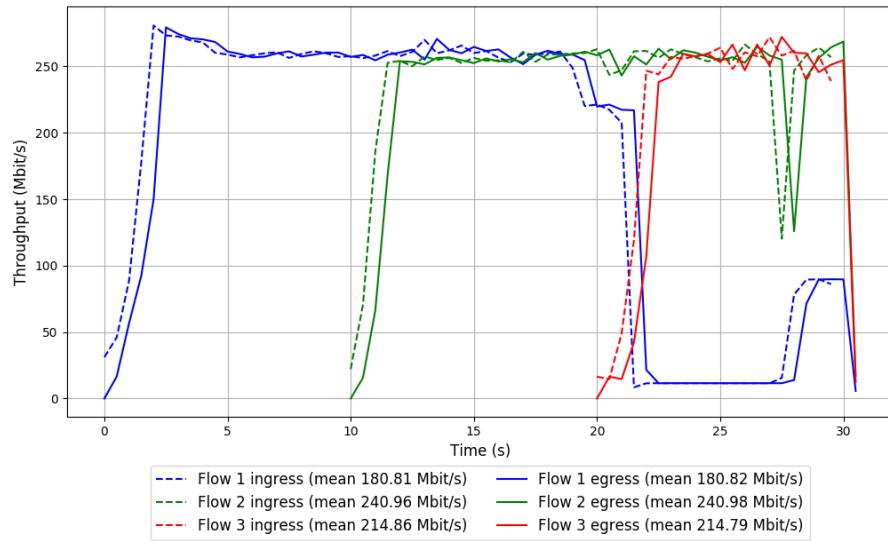


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-01 12:10:38
End at: 2018-06-01 12:11:08
Local clock offset: -0.089 ms
Remote clock offset: 5.752 ms

# Below is generated by plot.py at 2018-06-01 15:59:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 412.63 Mbit/s
95th percentile per-packet one-way delay: 54.160 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 180.82 Mbit/s
95th percentile per-packet one-way delay: 53.945 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 240.98 Mbit/s
95th percentile per-packet one-way delay: 53.757 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 214.79 Mbit/s
95th percentile per-packet one-way delay: 55.607 ms
Loss rate: 0.03%
```

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

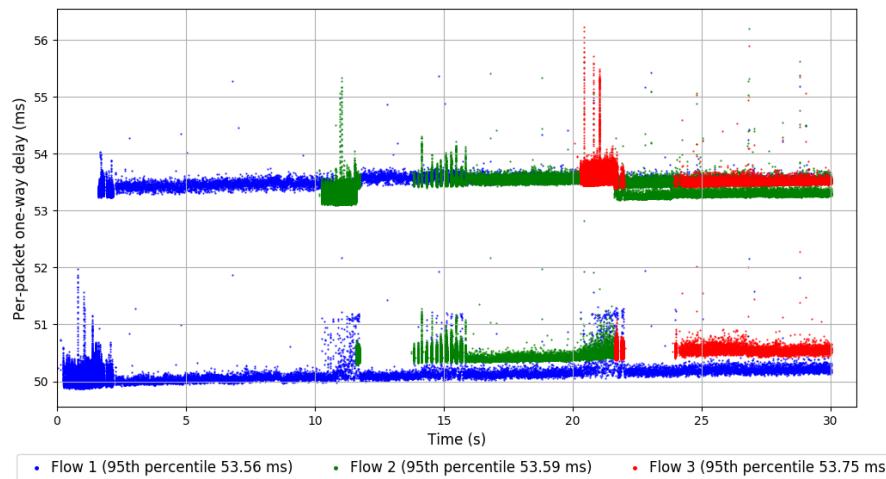
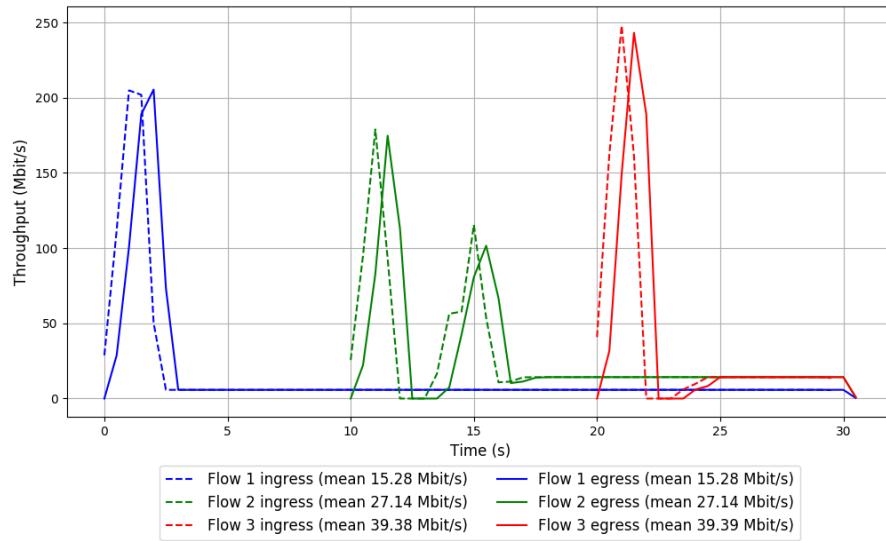


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-01 12:33:58
End at: 2018-06-01 12:34:28
Local clock offset: -0.245 ms
Remote clock offset: 5.15 ms

# Below is generated by plot.py at 2018-06-01 15:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.44 Mbit/s
95th percentile per-packet one-way delay: 53.681 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 15.28 Mbit/s
95th percentile per-packet one-way delay: 53.562 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.14 Mbit/s
95th percentile per-packet one-way delay: 53.590 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 53.754 ms
Loss rate: 0.01%
```

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

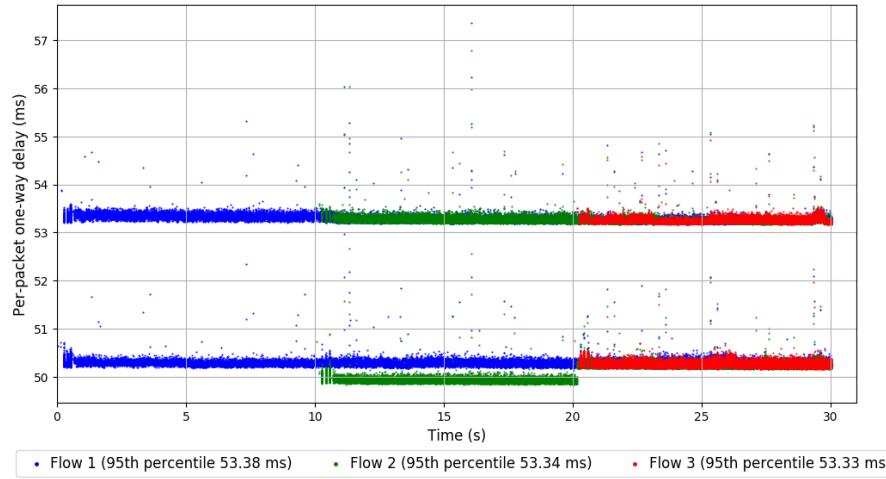
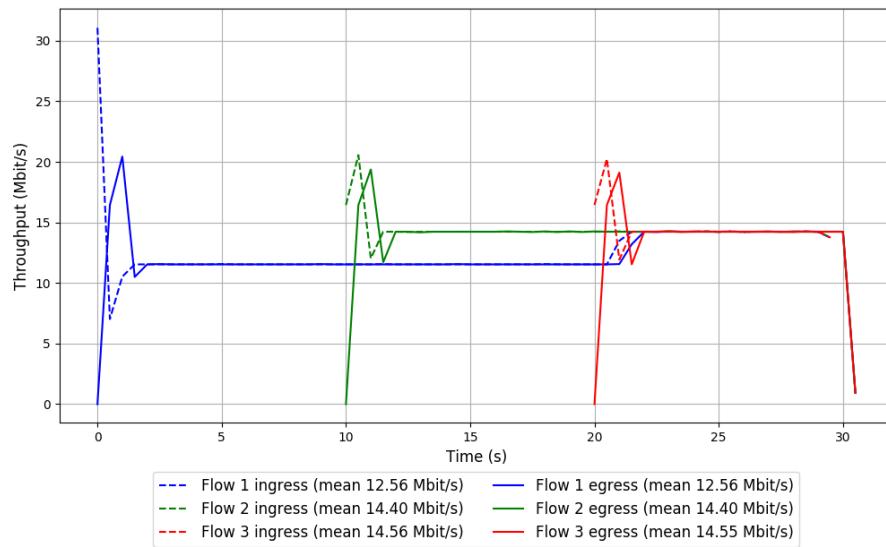


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-01 12:56:40
End at: 2018-06-01 12:57:10
Local clock offset: -0.417 ms
Remote clock offset: 2.927 ms

# Below is generated by plot.py at 2018-06-01 15:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 53.358 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.56 Mbit/s
95th percentile per-packet one-way delay: 53.378 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 14.40 Mbit/s
95th percentile per-packet one-way delay: 53.336 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 14.55 Mbit/s
95th percentile per-packet one-way delay: 53.328 ms
Loss rate: 0.02%
```

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

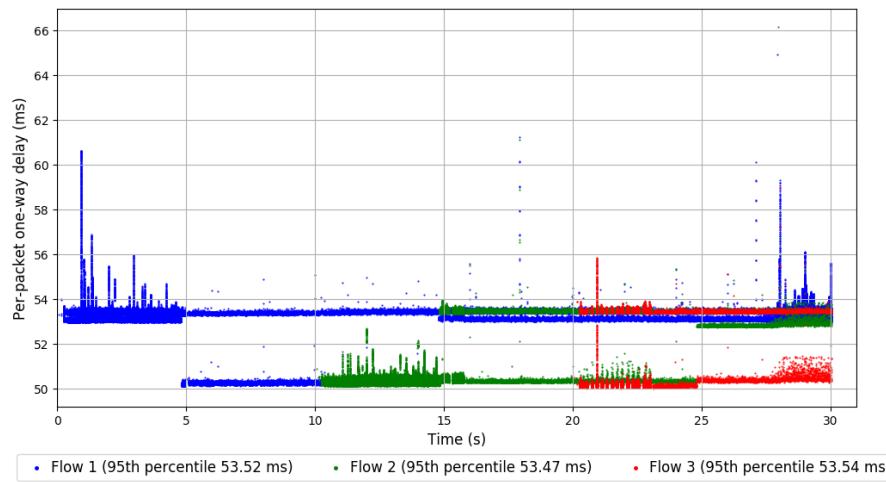
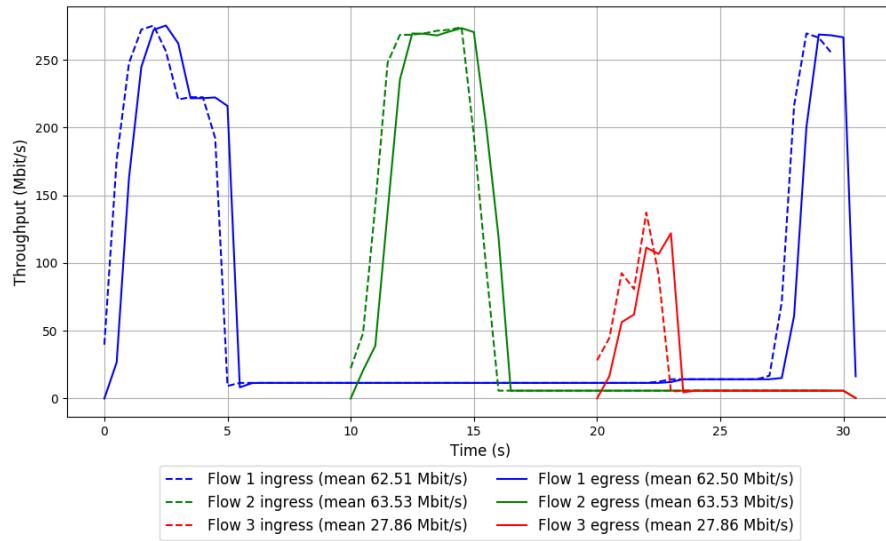


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-01 13:19:15
End at: 2018-06-01 13:19:45
Local clock offset: -0.133 ms
Remote clock offset: 0.795 ms

# Below is generated by plot.py at 2018-06-01 15:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 114.07 Mbit/s
95th percentile per-packet one-way delay: 53.507 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 62.50 Mbit/s
95th percentile per-packet one-way delay: 53.521 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 63.53 Mbit/s
95th percentile per-packet one-way delay: 53.466 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.86 Mbit/s
95th percentile per-packet one-way delay: 53.539 ms
Loss rate: 0.00%
```

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

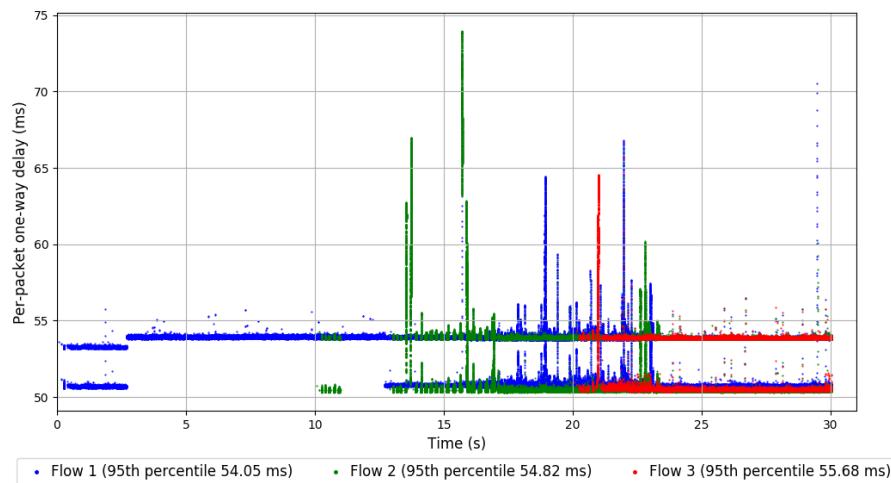
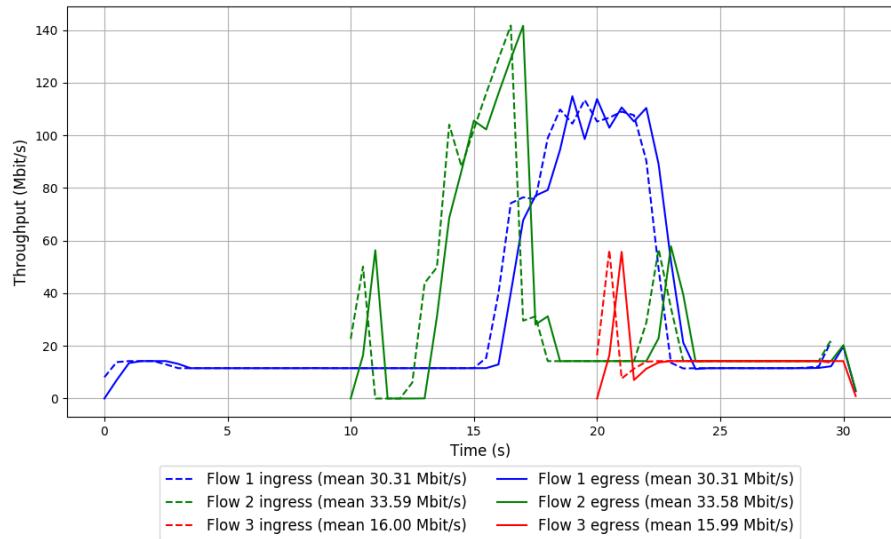


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-01 13:41:57
End at: 2018-06-01 13:42:27
Local clock offset: -0.228 ms
Remote clock offset: 0.737 ms

# Below is generated by plot.py at 2018-06-01 15:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.99 Mbit/s
95th percentile per-packet one-way delay: 54.173 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 30.31 Mbit/s
95th percentile per-packet one-way delay: 54.045 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 33.58 Mbit/s
95th percentile per-packet one-way delay: 54.816 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 15.99 Mbit/s
95th percentile per-packet one-way delay: 55.682 ms
Loss rate: 0.02%
```

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

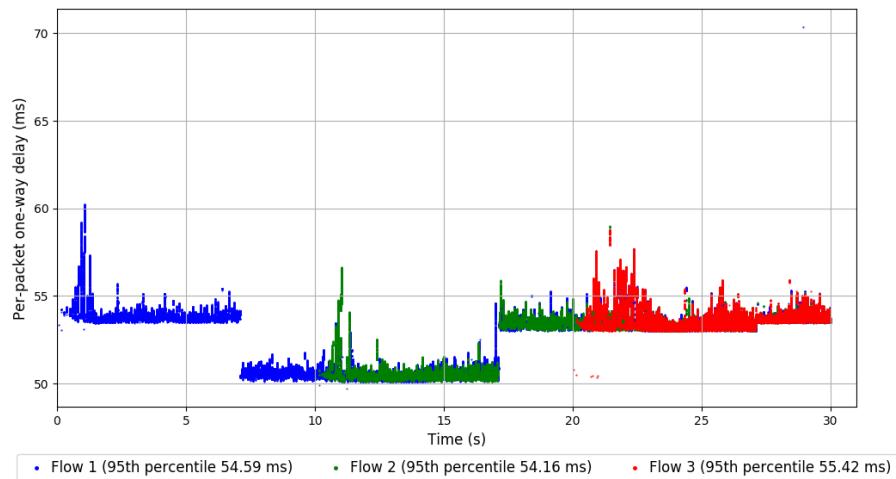
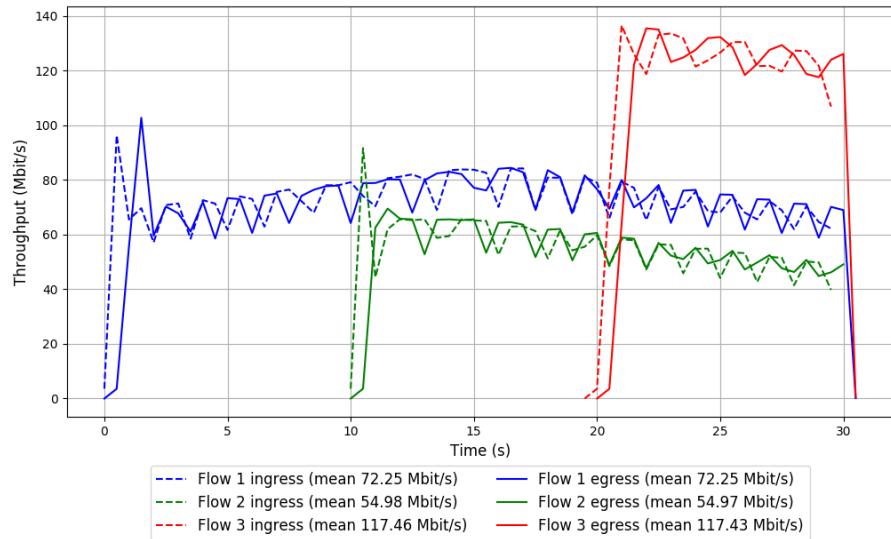


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-01 10:13:33
End at: 2018-06-01 10:14:03
Local clock offset: -0.221 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-06-01 15:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 147.88 Mbit/s
95th percentile per-packet one-way delay: 54.710 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.25 Mbit/s
95th percentile per-packet one-way delay: 54.586 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.97 Mbit/s
95th percentile per-packet one-way delay: 54.155 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 117.43 Mbit/s
95th percentile per-packet one-way delay: 55.424 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

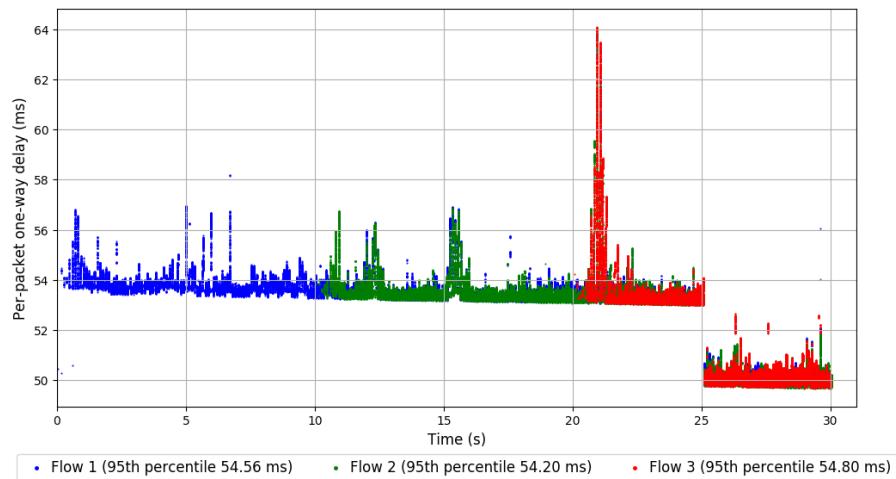
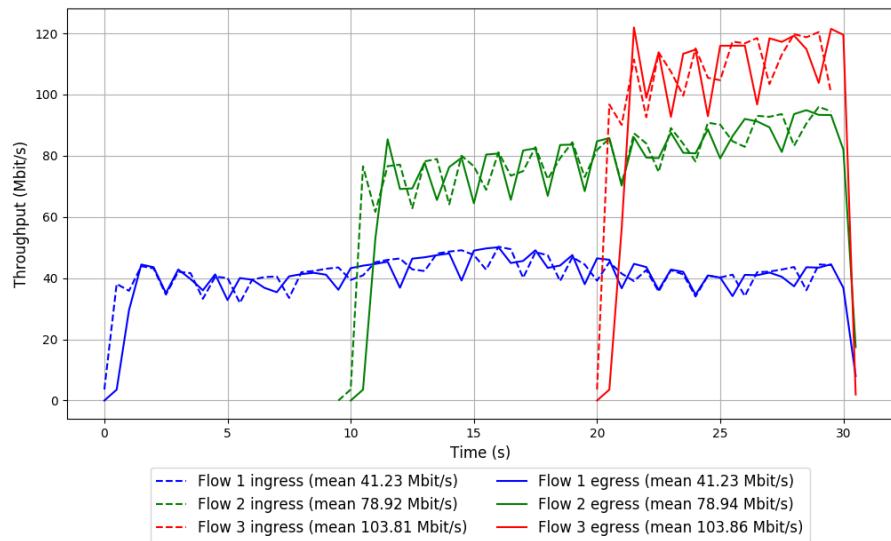


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-01 10:36:05
End at: 2018-06-01 10:36:35
Local clock offset: -0.256 ms
Remote clock offset: 2.832 ms

# Below is generated by plot.py at 2018-06-01 15:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 128.31 Mbit/s
95th percentile per-packet one-way delay: 54.474 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.23 Mbit/s
95th percentile per-packet one-way delay: 54.565 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 78.94 Mbit/s
95th percentile per-packet one-way delay: 54.201 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 103.86 Mbit/s
95th percentile per-packet one-way delay: 54.799 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

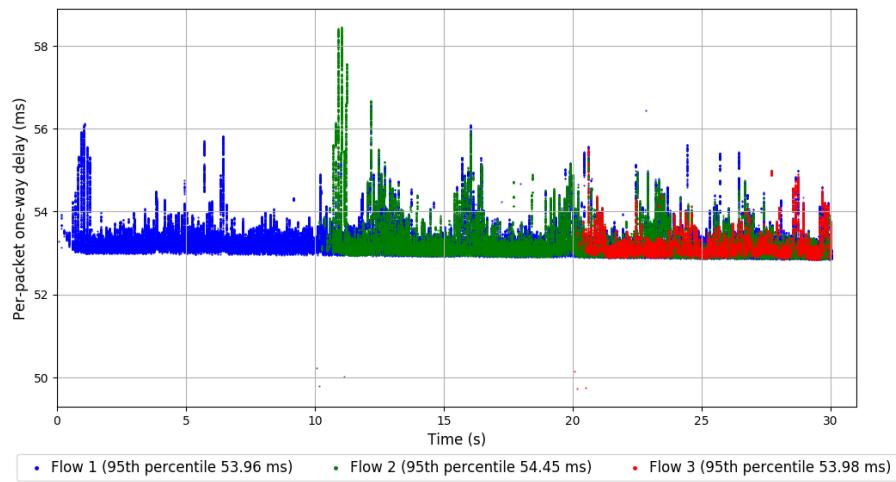
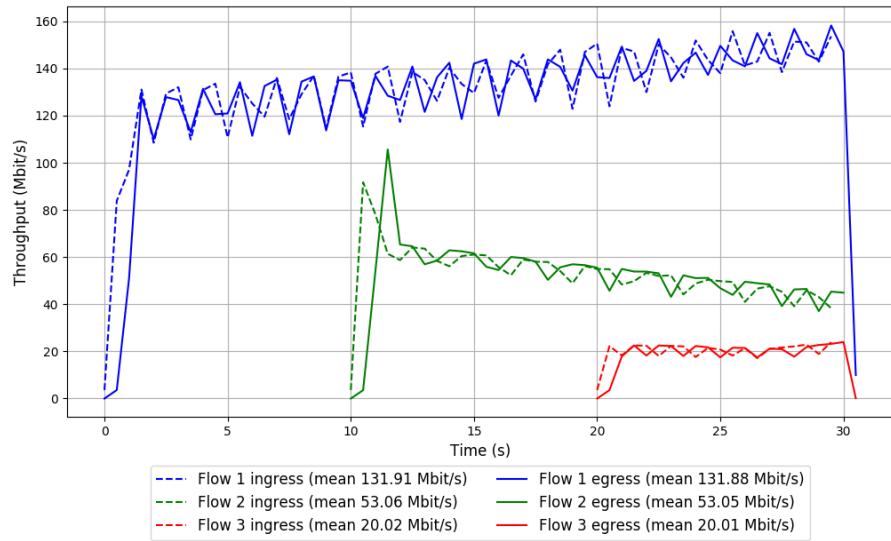


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-01 10:58:41
End at: 2018-06-01 10:59:11
Local clock offset: 0.194 ms
Remote clock offset: 14.073 ms

# Below is generated by plot.py at 2018-06-01 15:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 173.81 Mbit/s
95th percentile per-packet one-way delay: 54.081 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 131.88 Mbit/s
95th percentile per-packet one-way delay: 53.959 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 53.05 Mbit/s
95th percentile per-packet one-way delay: 54.447 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.01 Mbit/s
95th percentile per-packet one-way delay: 53.984 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

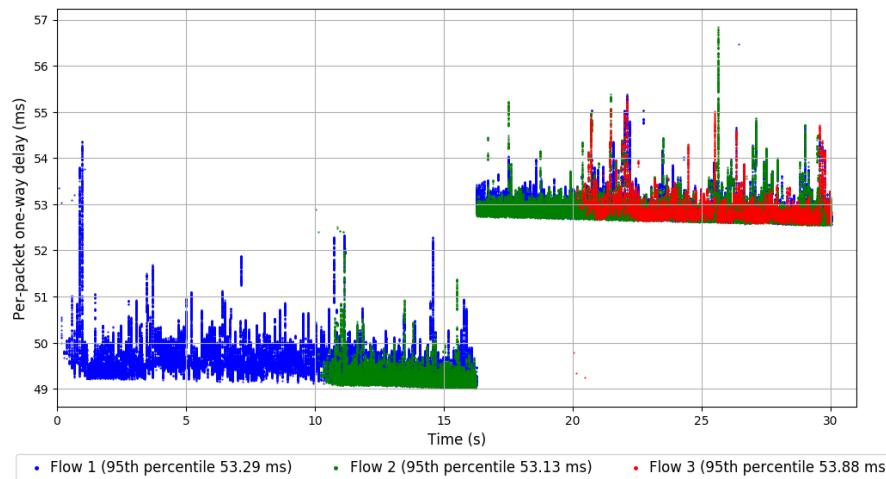
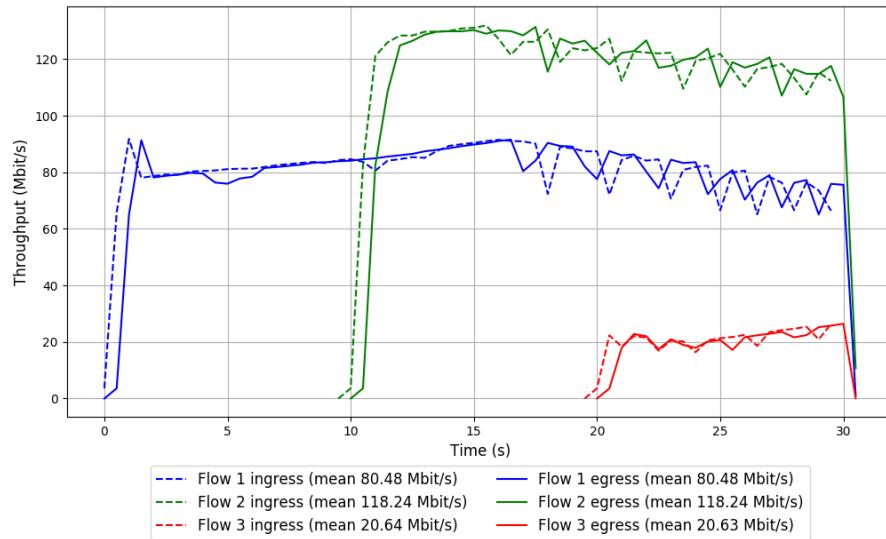


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-01 11:21:24
End at: 2018-06-01 11:21:54
Local clock offset: 0.072 ms
Remote clock offset: 29.017 ms

# Below is generated by plot.py at 2018-06-01 15:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 166.11 Mbit/s
95th percentile per-packet one-way delay: 53.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.48 Mbit/s
95th percentile per-packet one-way delay: 53.291 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 118.24 Mbit/s
95th percentile per-packet one-way delay: 53.130 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.63 Mbit/s
95th percentile per-packet one-way delay: 53.884 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

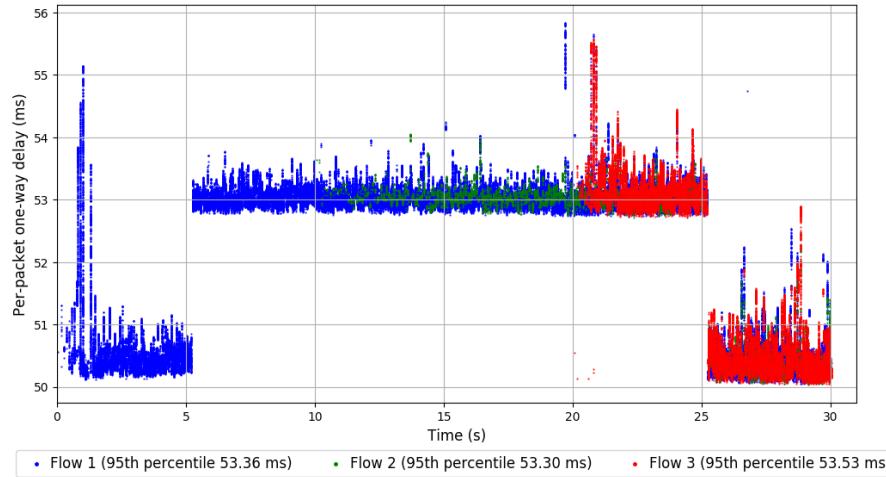
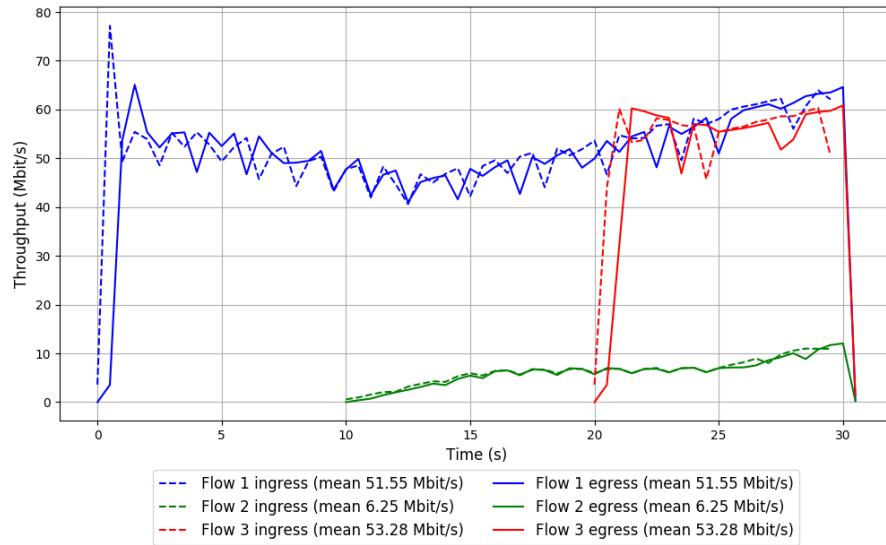


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-01 11:44:15
End at: 2018-06-01 11:44:45
Local clock offset: 0.104 ms
Remote clock offset: 11.853 ms

# Below is generated by plot.py at 2018-06-01 15:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.38 Mbit/s
95th percentile per-packet one-way delay: 53.398 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.55 Mbit/s
95th percentile per-packet one-way delay: 53.356 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.25 Mbit/s
95th percentile per-packet one-way delay: 53.303 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 53.28 Mbit/s
95th percentile per-packet one-way delay: 53.533 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

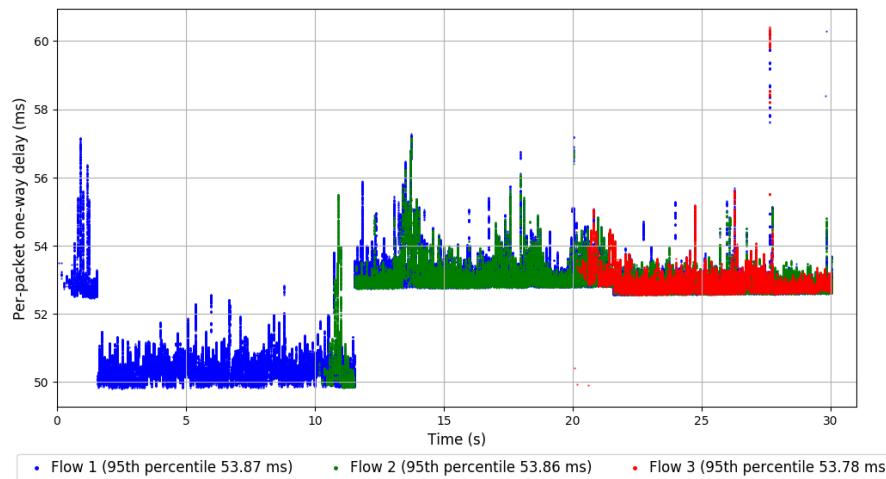
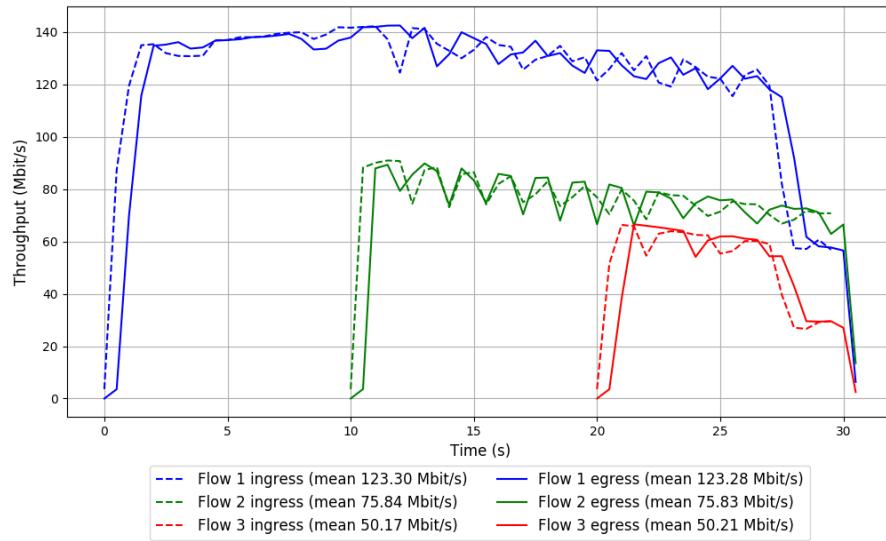


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-01 12:07:18
End at: 2018-06-01 12:07:48
Local clock offset: 0.243 ms
Remote clock offset: 6.256 ms

# Below is generated by plot.py at 2018-06-01 15:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 190.44 Mbit/s
95th percentile per-packet one-way delay: 53.856 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 123.28 Mbit/s
95th percentile per-packet one-way delay: 53.868 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 75.83 Mbit/s
95th percentile per-packet one-way delay: 53.861 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 53.781 ms
Loss rate: 0.20%
```

Run 6: Report of TCP Vegas — Data Link

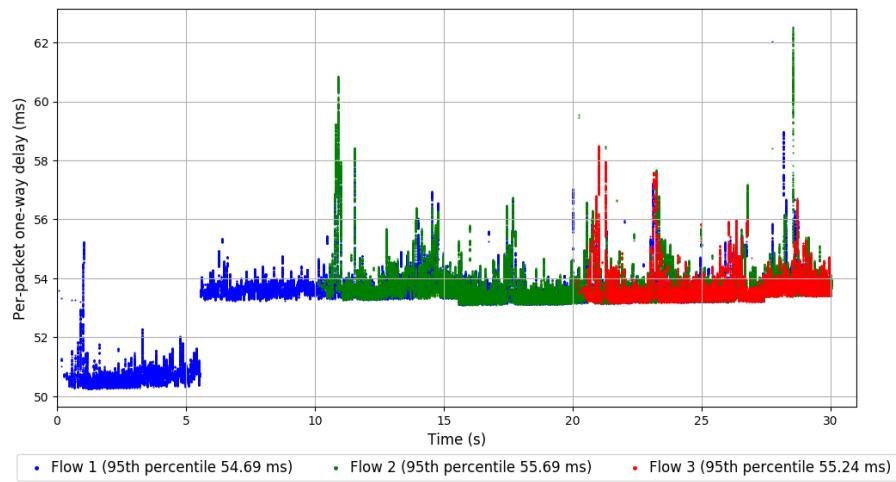
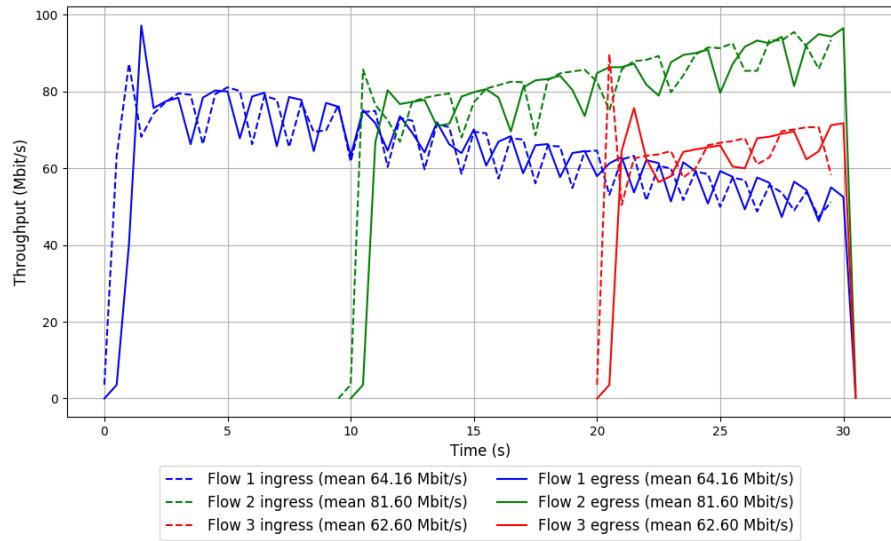


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-01 12:30:44
End at: 2018-06-01 12:31:14
Local clock offset: 0.111 ms
Remote clock offset: 7.189 ms

# Below is generated by plot.py at 2018-06-01 15:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 139.29 Mbit/s
95th percentile per-packet one-way delay: 55.155 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.16 Mbit/s
95th percentile per-packet one-way delay: 54.686 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 81.60 Mbit/s
95th percentile per-packet one-way delay: 55.688 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.60 Mbit/s
95th percentile per-packet one-way delay: 55.240 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link

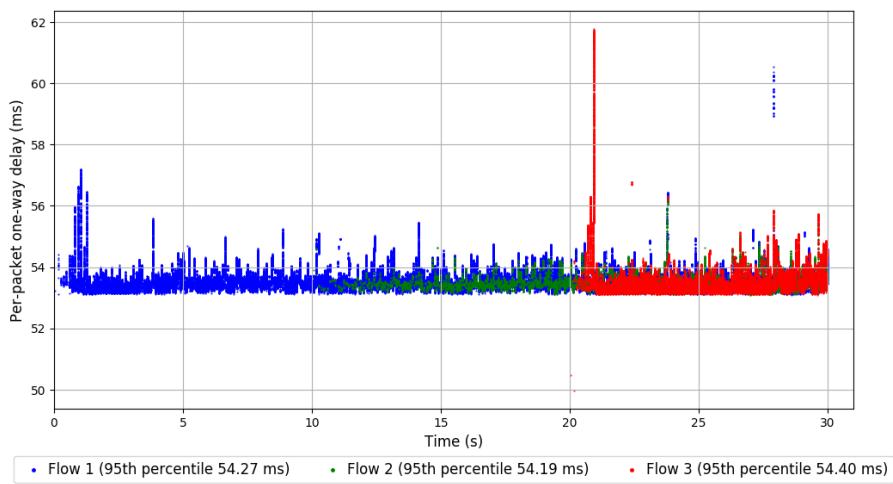
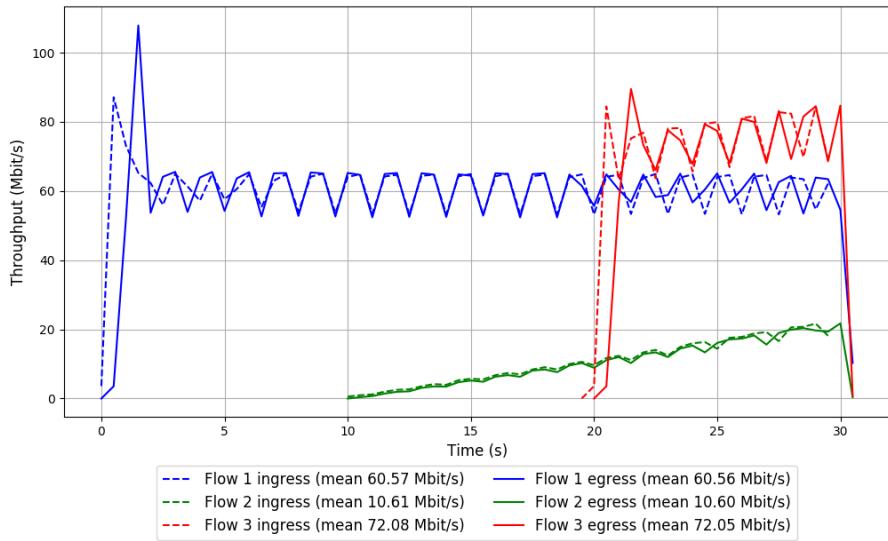


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-01 12:53:24
End at: 2018-06-01 12:53:54
Local clock offset: -0.53 ms
Remote clock offset: 2.562 ms

# Below is generated by plot.py at 2018-06-01 15:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.58 Mbit/s
95th percentile per-packet one-way delay: 54.293 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.56 Mbit/s
95th percentile per-packet one-way delay: 54.275 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.60 Mbit/s
95th percentile per-packet one-way delay: 54.194 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 72.05 Mbit/s
95th percentile per-packet one-way delay: 54.401 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

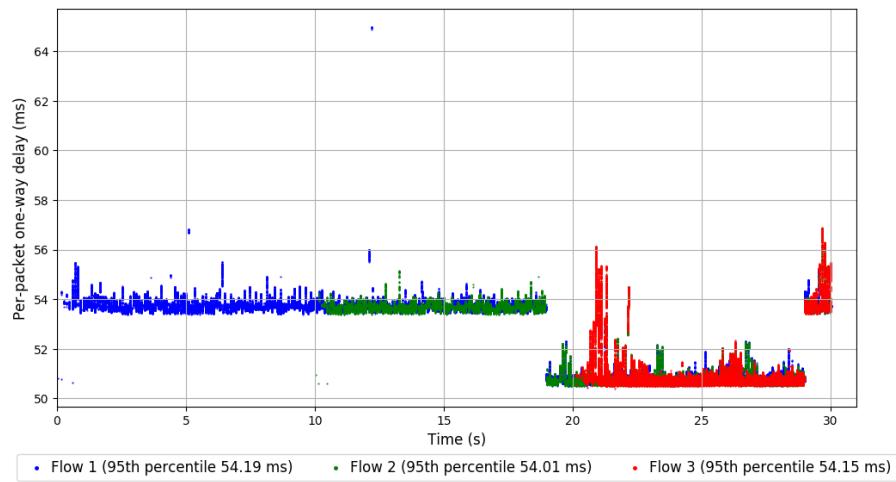
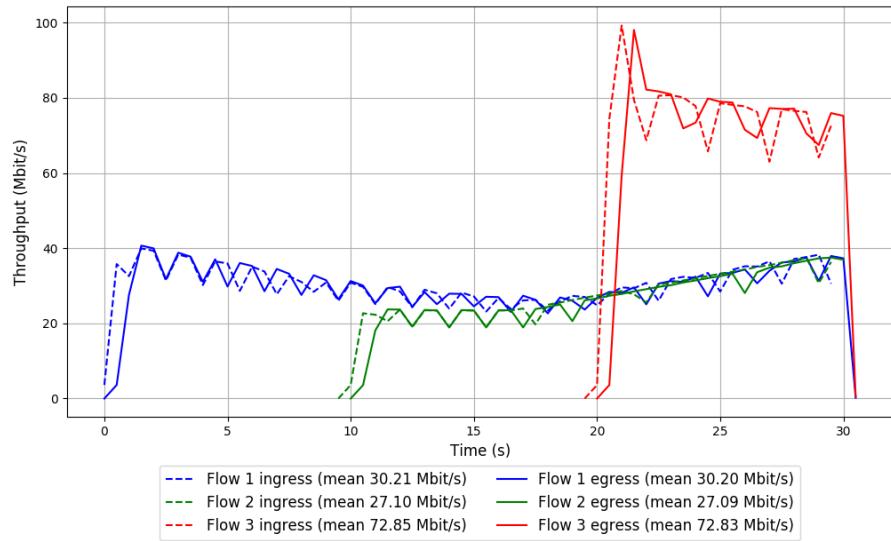


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-01 13:16:01
End at: 2018-06-01 13:16:31
Local clock offset: -0.308 ms
Remote clock offset: 1.214 ms

# Below is generated by plot.py at 2018-06-01 15:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.43 Mbit/s
95th percentile per-packet one-way delay: 54.148 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 30.20 Mbit/s
95th percentile per-packet one-way delay: 54.190 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 27.09 Mbit/s
95th percentile per-packet one-way delay: 54.008 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 72.83 Mbit/s
95th percentile per-packet one-way delay: 54.150 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

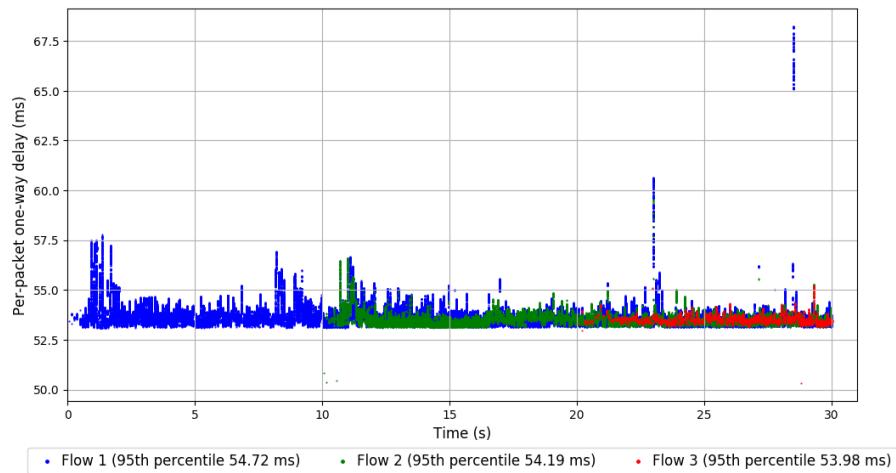
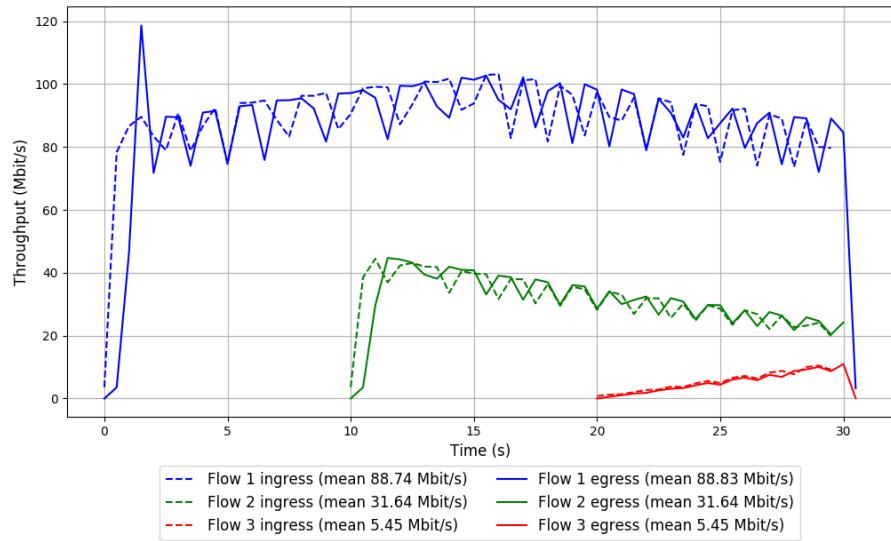


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-01 13:38:42
End at: 2018-06-01 13:39:12
Local clock offset: 0.052 ms
Remote clock offset: 0.574 ms

# Below is generated by plot.py at 2018-06-01 15:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 111.63 Mbit/s
95th percentile per-packet one-way delay: 54.625 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 88.83 Mbit/s
95th percentile per-packet one-way delay: 54.717 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 54.191 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 53.981 ms
Loss rate: 0.11%
```

Run 10: Report of TCP Vegas — Data Link

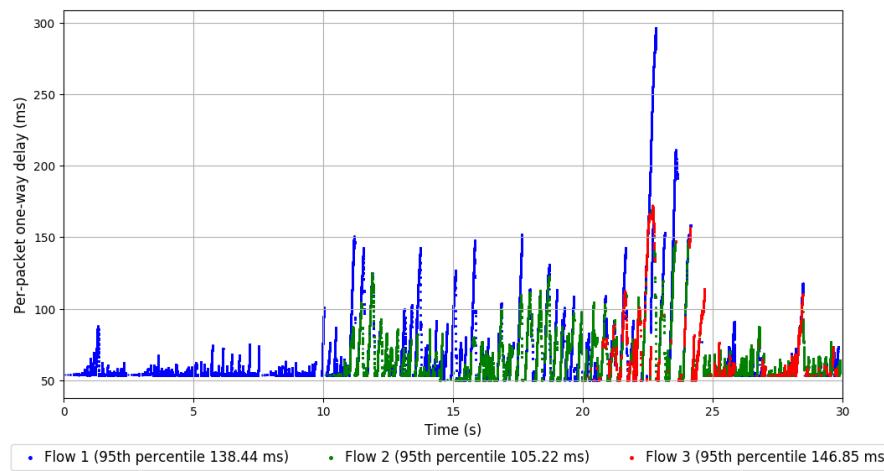
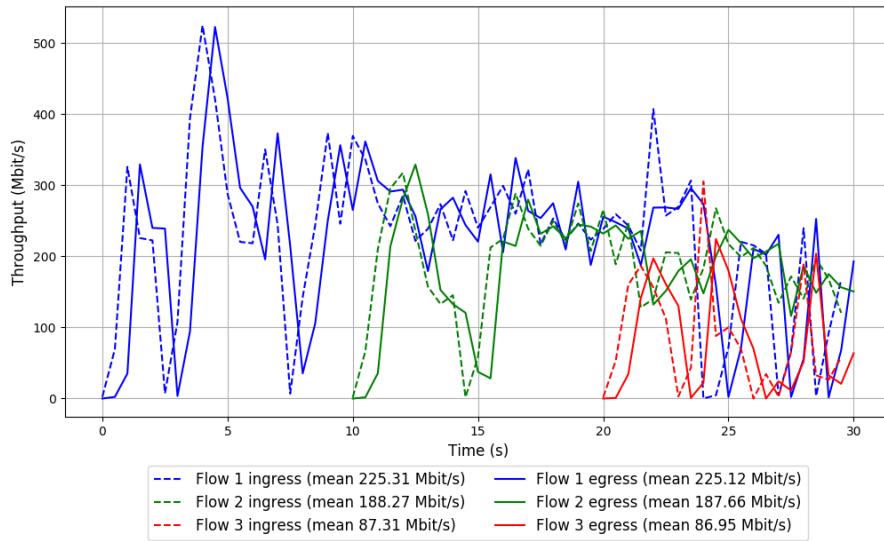


Run 1: Statistics of Verus

```
Start at: 2018-06-01 10:19:25
End at: 2018-06-01 10:19:55
Local clock offset: -0.09 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-06-01 15:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 377.68 Mbit/s
95th percentile per-packet one-way delay: 128.249 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 225.12 Mbit/s
95th percentile per-packet one-way delay: 138.438 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 187.66 Mbit/s
95th percentile per-packet one-way delay: 105.223 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 146.854 ms
Loss rate: 0.34%
```

Run 1: Report of Verus — Data Link

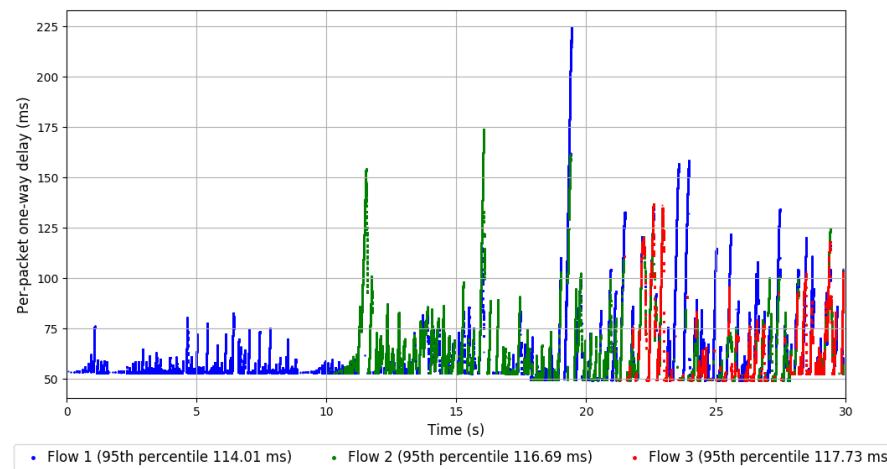
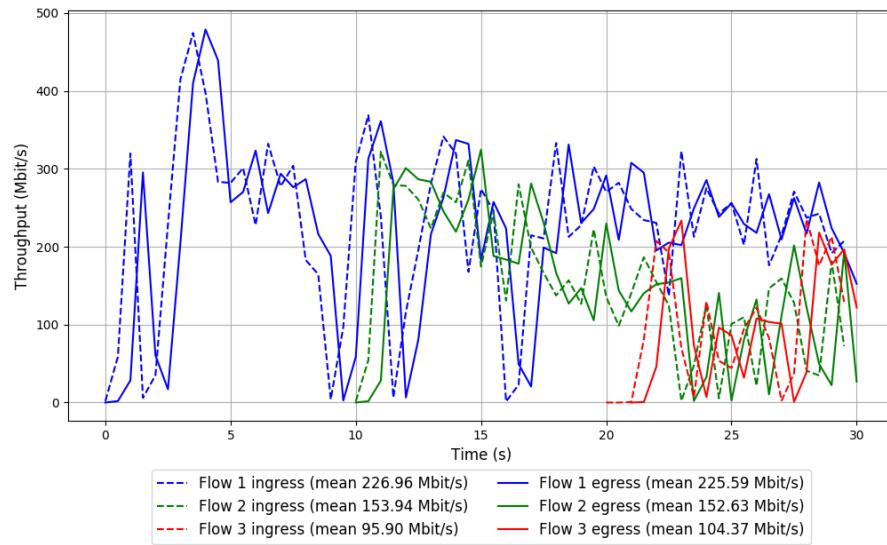


Run 2: Statistics of Verus

```
Start at: 2018-06-01 10:41:52
End at: 2018-06-01 10:42:22
Local clock offset: 0.034 ms
Remote clock offset: 9.592 ms

# Below is generated by plot.py at 2018-06-01 15:59:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 357.85 Mbit/s
95th percentile per-packet one-way delay: 115.913 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 225.59 Mbit/s
95th percentile per-packet one-way delay: 114.010 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 152.63 Mbit/s
95th percentile per-packet one-way delay: 116.695 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 104.37 Mbit/s
95th percentile per-packet one-way delay: 117.730 ms
Loss rate: 2.09%
```

Run 2: Report of Verus — Data Link

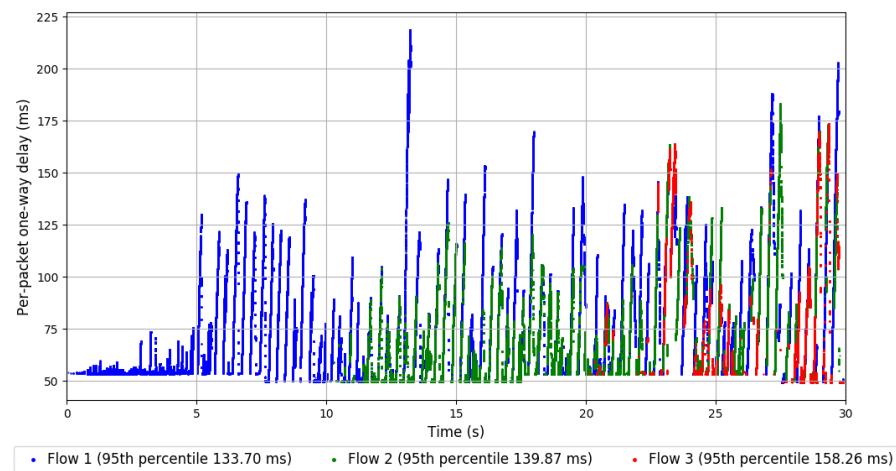
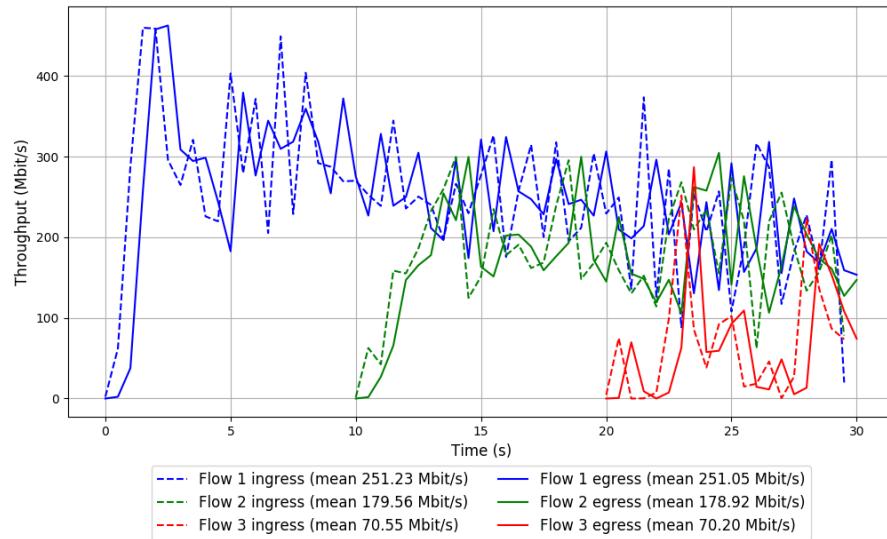


Run 3: Statistics of Verus

```
Start at: 2018-06-01 11:04:32
End at: 2018-06-01 11:05:02
Local clock offset: 0.319 ms
Remote clock offset: 16.905 ms

# Below is generated by plot.py at 2018-06-01 15:59:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 392.39 Mbit/s
95th percentile per-packet one-way delay: 138.867 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 251.05 Mbit/s
95th percentile per-packet one-way delay: 133.699 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 178.92 Mbit/s
95th percentile per-packet one-way delay: 139.873 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 70.20 Mbit/s
95th percentile per-packet one-way delay: 158.259 ms
Loss rate: 0.55%
```

Run 3: Report of Verus — Data Link

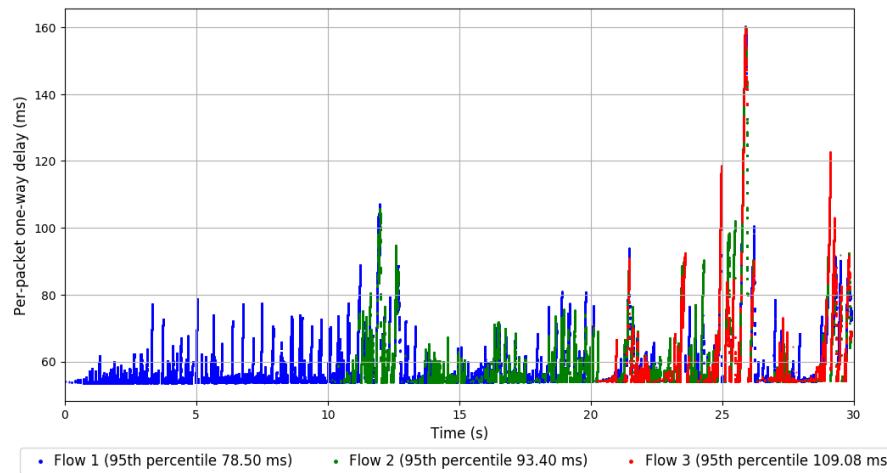
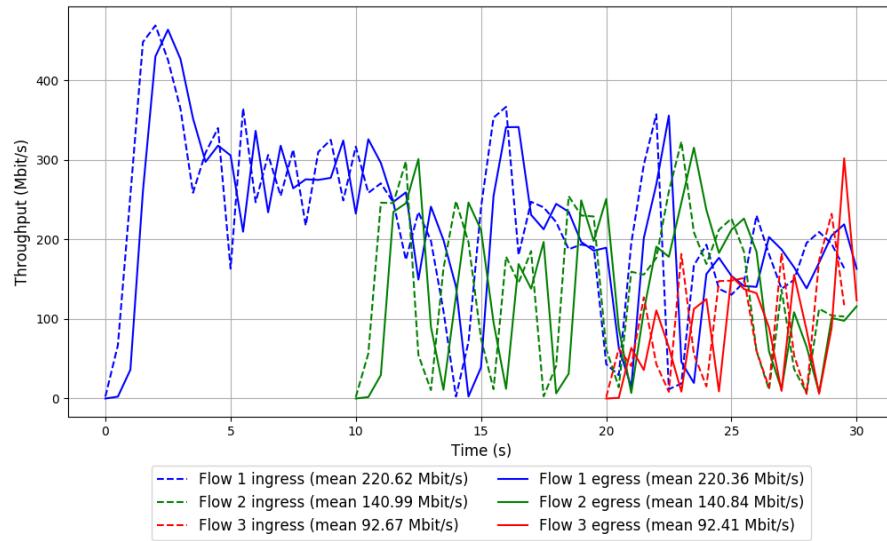


Run 4: Statistics of Verus

```
Start at: 2018-06-01 11:27:20
End at: 2018-06-01 11:27:50
Local clock offset: 0.036 ms
Remote clock offset: 18.802 ms

# Below is generated by plot.py at 2018-06-01 15:59:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 344.33 Mbit/s
95th percentile per-packet one-way delay: 86.809 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 220.36 Mbit/s
95th percentile per-packet one-way delay: 78.500 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 140.84 Mbit/s
95th percentile per-packet one-way delay: 93.397 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 109.085 ms
Loss rate: 0.49%
```

Run 4: Report of Verus — Data Link

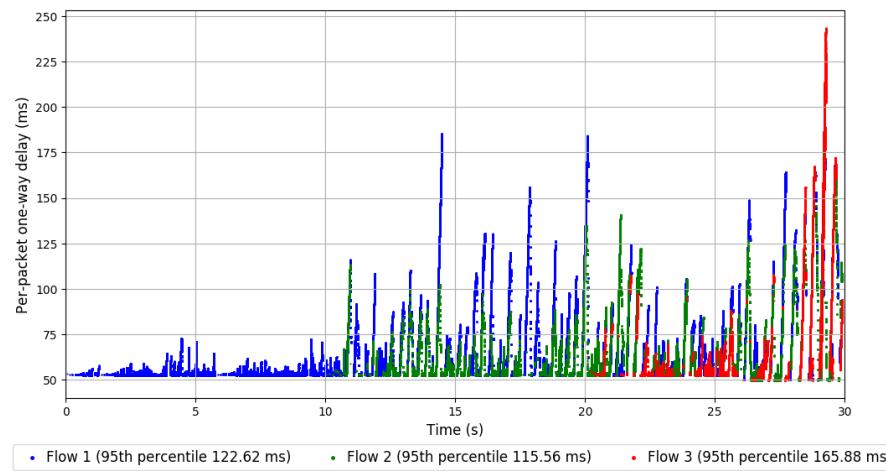
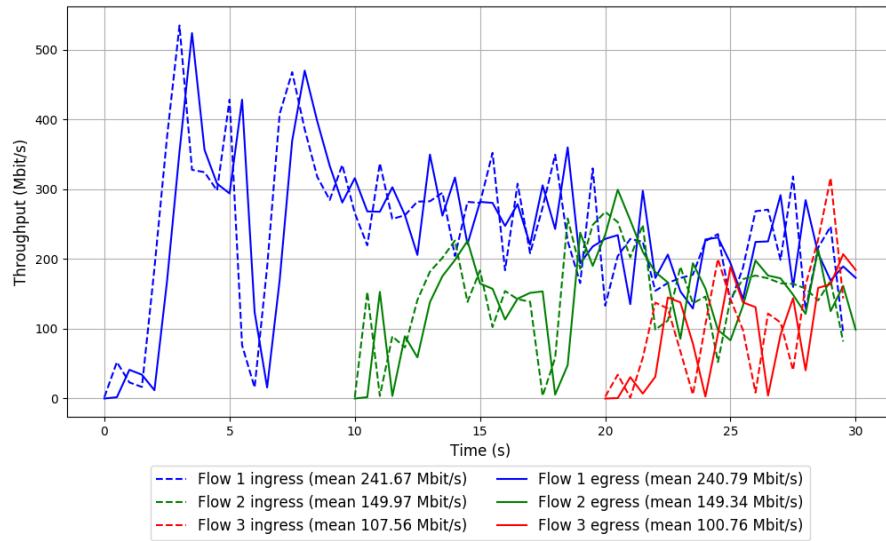


Run 5: Statistics of Verus

```
Start at: 2018-06-01 11:50:14
End at: 2018-06-01 11:50:44
Local clock offset: 0.203 ms
Remote clock offset: 13.127 ms

# Below is generated by plot.py at 2018-06-01 15:59:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 372.89 Mbit/s
95th percentile per-packet one-way delay: 124.347 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 240.79 Mbit/s
95th percentile per-packet one-way delay: 122.623 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 149.34 Mbit/s
95th percentile per-packet one-way delay: 115.563 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 100.76 Mbit/s
95th percentile per-packet one-way delay: 165.877 ms
Loss rate: 6.45%
```

Run 5: Report of Verus — Data Link

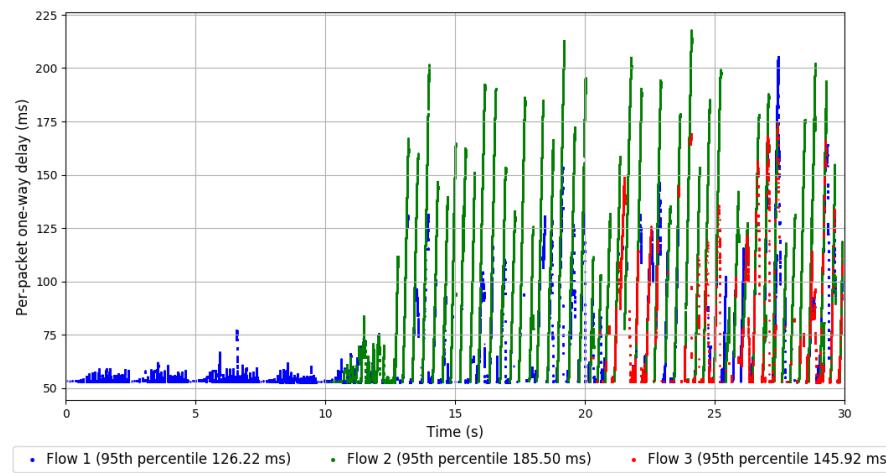
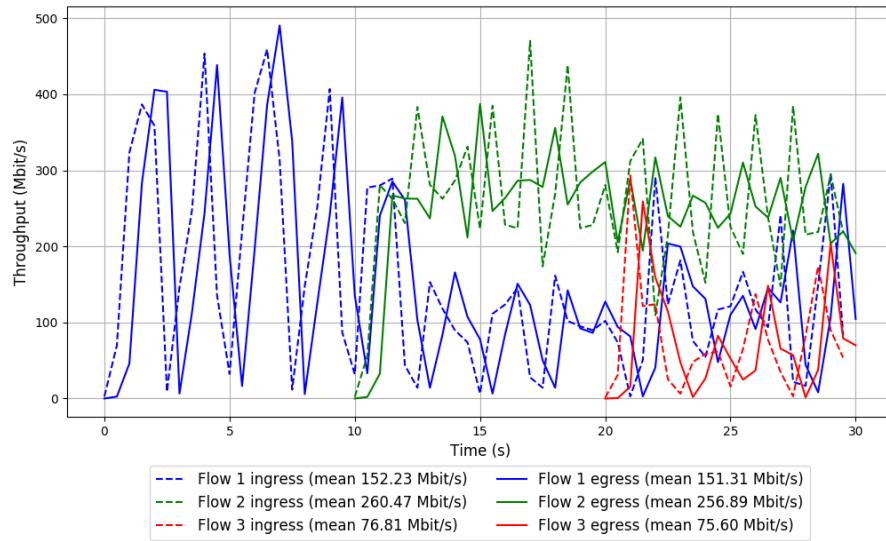


Run 6: Statistics of Verus

```
Start at: 2018-06-01 12:13:42
End at: 2018-06-01 12:14:12
Local clock offset: -0.015 ms
Remote clock offset: 5.309 ms

# Below is generated by plot.py at 2018-06-01 15:59:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 346.87 Mbit/s
95th percentile per-packet one-way delay: 172.091 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 151.31 Mbit/s
95th percentile per-packet one-way delay: 126.222 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 256.89 Mbit/s
95th percentile per-packet one-way delay: 185.495 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 145.916 ms
Loss rate: 1.34%
```

Run 6: Report of Verus — Data Link

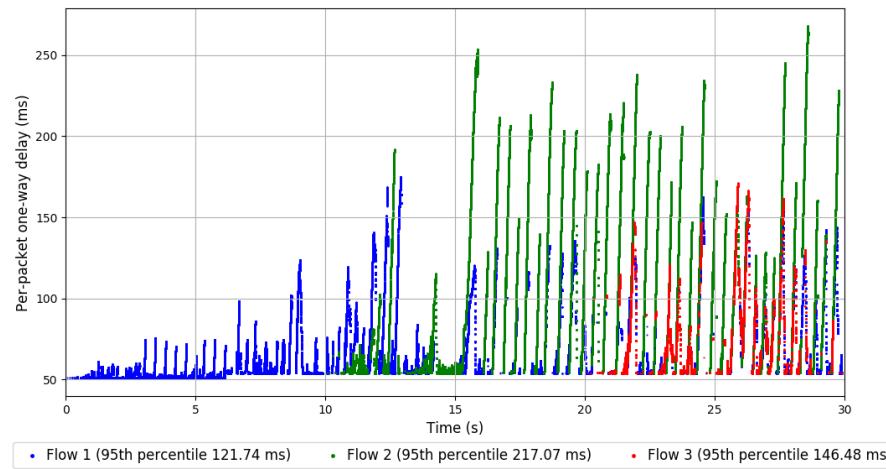
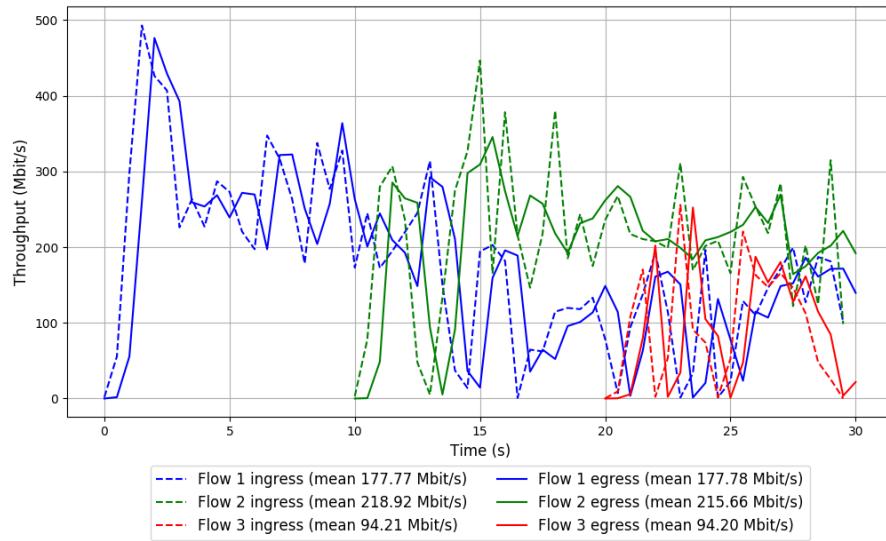


Run 7: Statistics of Verus

```
Start at: 2018-06-01 12:36:34
End at: 2018-06-01 12:37:04
Local clock offset: -0.523 ms
Remote clock offset: 4.345 ms

# Below is generated by plot.py at 2018-06-01 15:59:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 351.07 Mbit/s
95th percentile per-packet one-way delay: 194.703 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 177.78 Mbit/s
95th percentile per-packet one-way delay: 121.739 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 215.66 Mbit/s
95th percentile per-packet one-way delay: 217.068 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 146.477 ms
Loss rate: 0.00%
```

Run 7: Report of Verus — Data Link

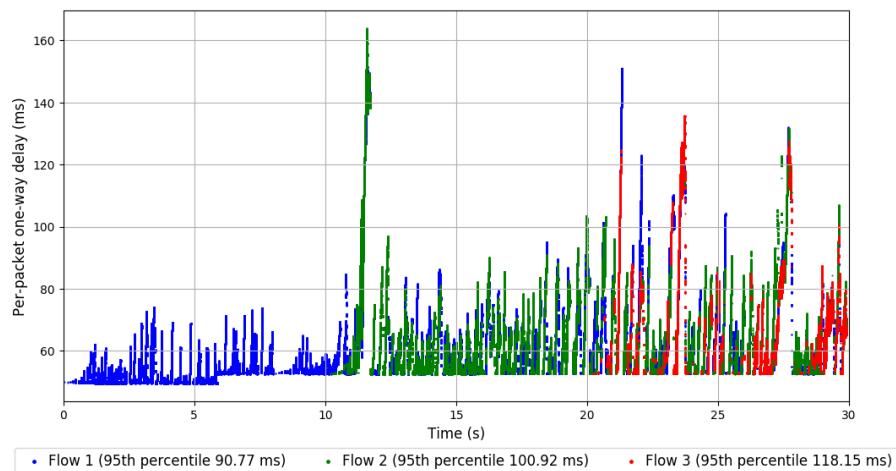
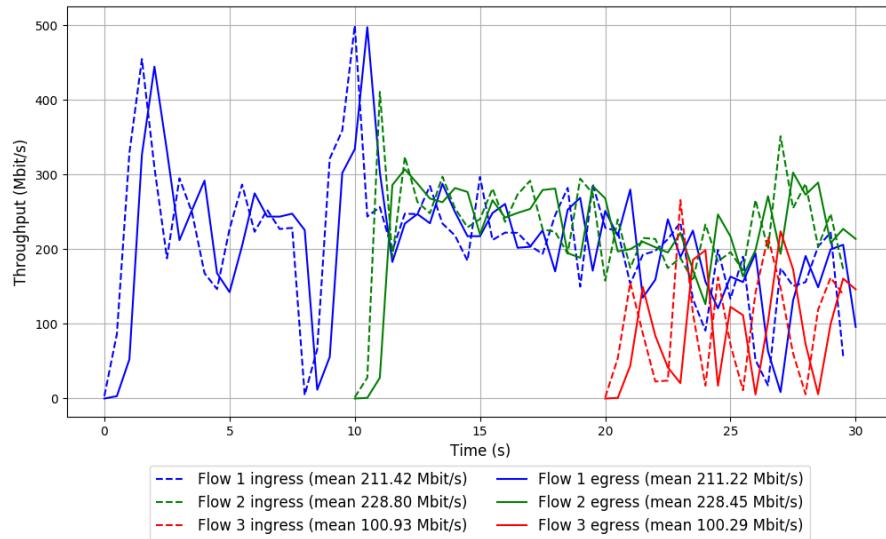


Run 8: Statistics of Verus

```
Start at: 2018-06-01 12:59:14
End at: 2018-06-01 12:59:44
Local clock offset: -0.12 ms
Remote clock offset: 2.786 ms

# Below is generated by plot.py at 2018-06-01 16:04:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 395.31 Mbit/s
95th percentile per-packet one-way delay: 100.688 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 211.22 Mbit/s
95th percentile per-packet one-way delay: 90.772 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 228.45 Mbit/s
95th percentile per-packet one-way delay: 100.925 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 100.29 Mbit/s
95th percentile per-packet one-way delay: 118.149 ms
Loss rate: 0.69%
```

Run 8: Report of Verus — Data Link

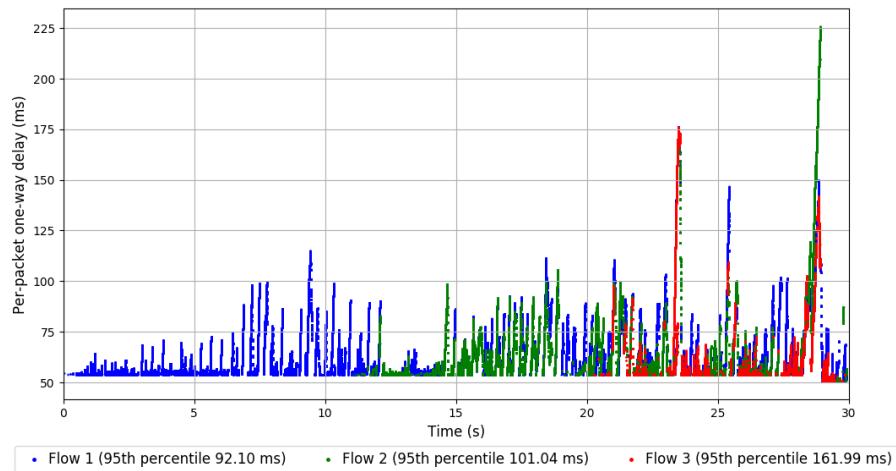
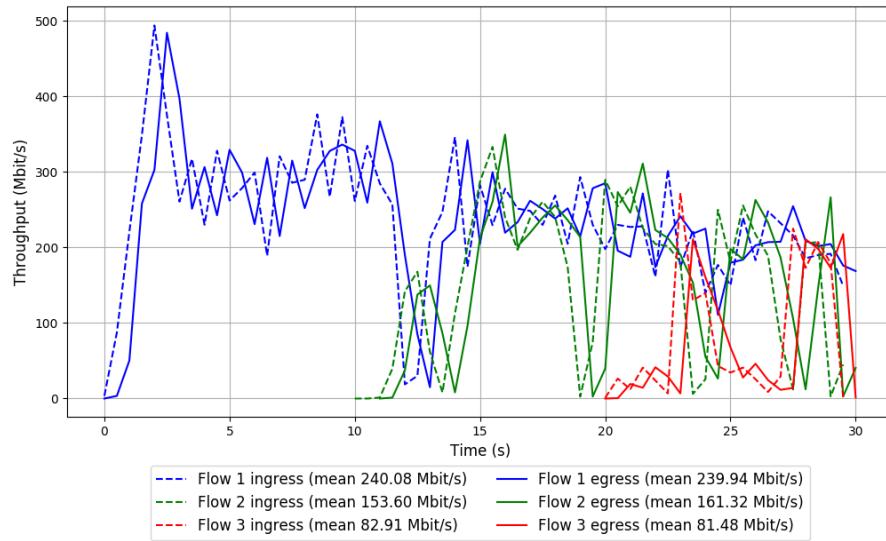


Run 9: Statistics of Verus

```
Start at: 2018-06-01 13:21:51
End at: 2018-06-01 13:22:21
Local clock offset: -0.573 ms
Remote clock offset: 0.614 ms

# Below is generated by plot.py at 2018-06-01 16:04:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 368.43 Mbit/s
95th percentile per-packet one-way delay: 97.250 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 239.94 Mbit/s
95th percentile per-packet one-way delay: 92.099 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 161.32 Mbit/s
95th percentile per-packet one-way delay: 101.040 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: 161.986 ms
Loss rate: 1.76%
```

Run 9: Report of Verus — Data Link

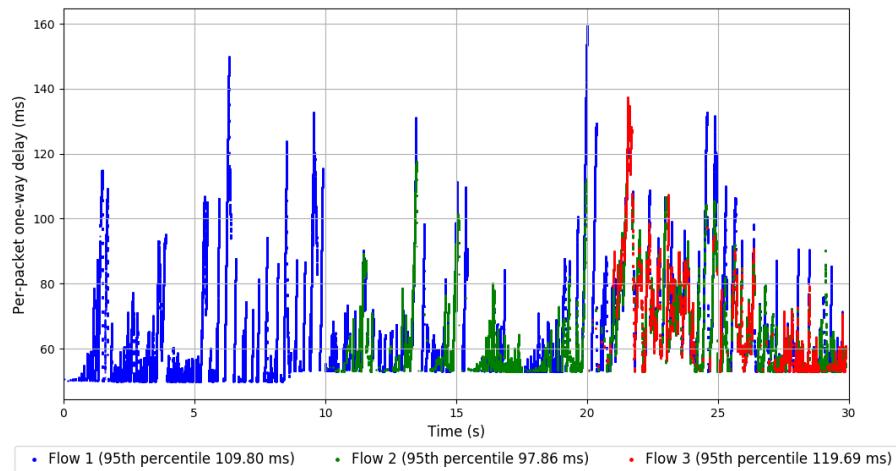
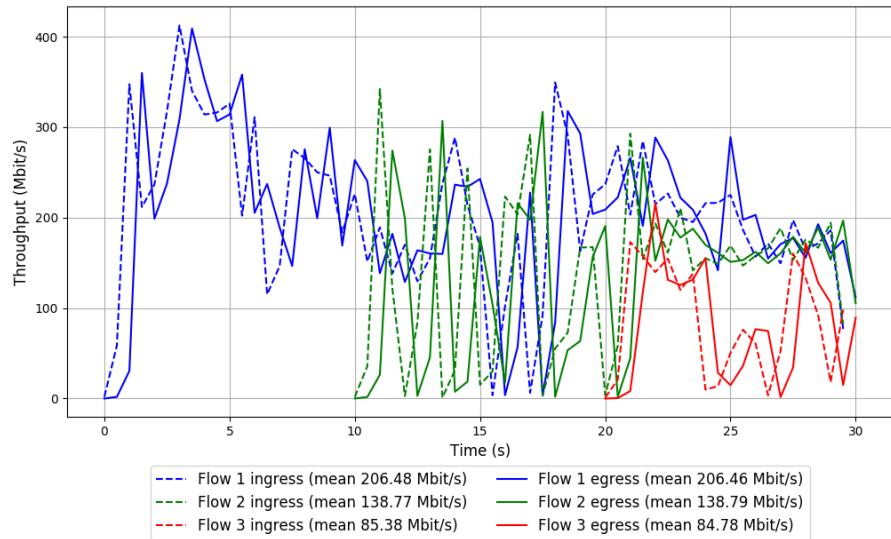


Run 10: Statistics of Verus

```
Start at: 2018-06-01 13:44:31
End at: 2018-06-01 13:45:01
Local clock offset: 0.013 ms
Remote clock offset: 0.209 ms

# Below is generated by plot.py at 2018-06-01 16:04:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 326.49 Mbit/s
95th percentile per-packet one-way delay: 106.637 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 206.46 Mbit/s
95th percentile per-packet one-way delay: 109.802 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 138.79 Mbit/s
95th percentile per-packet one-way delay: 97.862 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 119.687 ms
Loss rate: 0.72%
```

Run 10: Report of Verus — Data Link

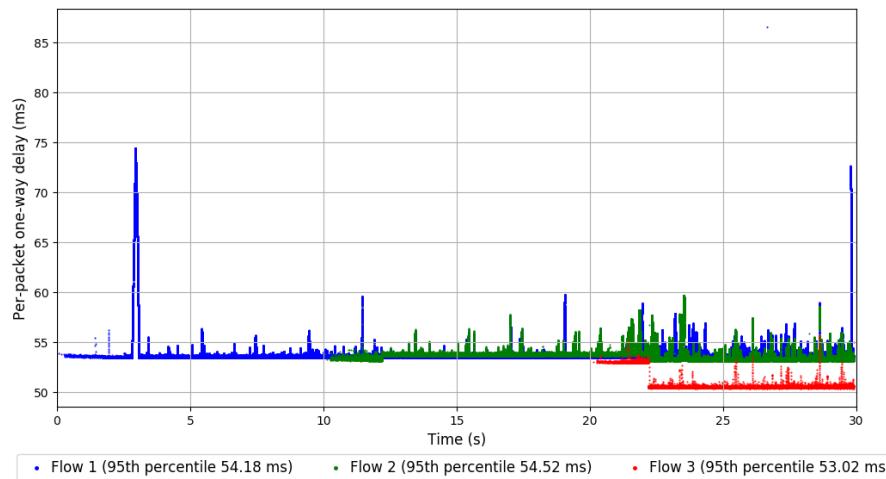
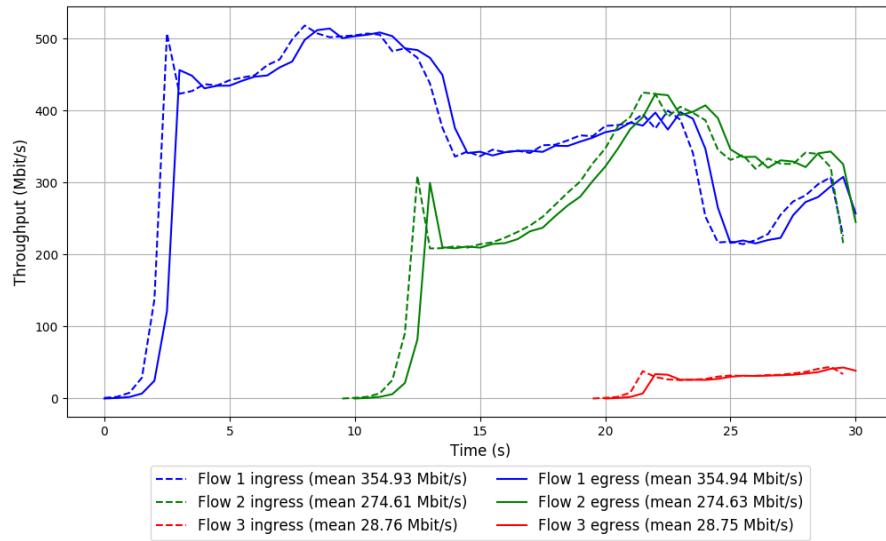


```
Run 1: Statistics of PCC-Vivace

Start at: 2018-06-01 10:22:37
End at: 2018-06-01 10:23:07
Local clock offset: -0.224 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-06-01 16:08:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 547.21 Mbit/s
95th percentile per-packet one-way delay: 54.288 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 354.94 Mbit/s
95th percentile per-packet one-way delay: 54.177 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 274.63 Mbit/s
95th percentile per-packet one-way delay: 54.524 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 28.75 Mbit/s
95th percentile per-packet one-way delay: 53.025 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Vivace — Data Link

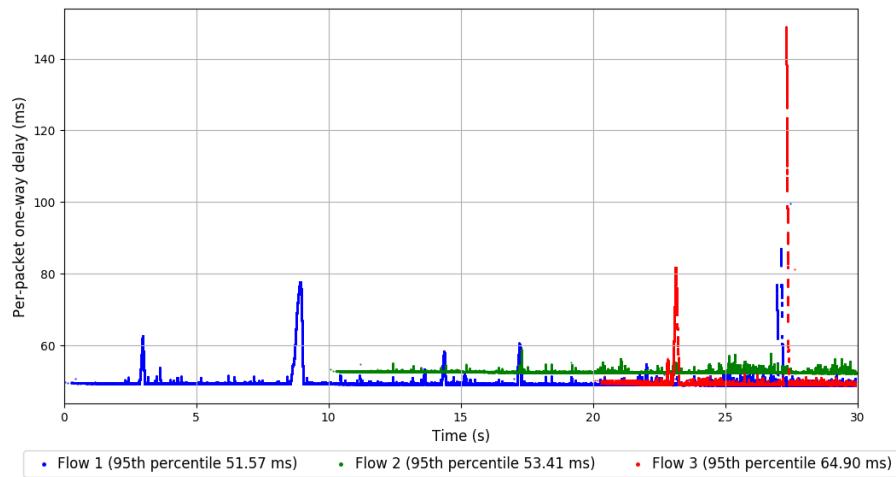
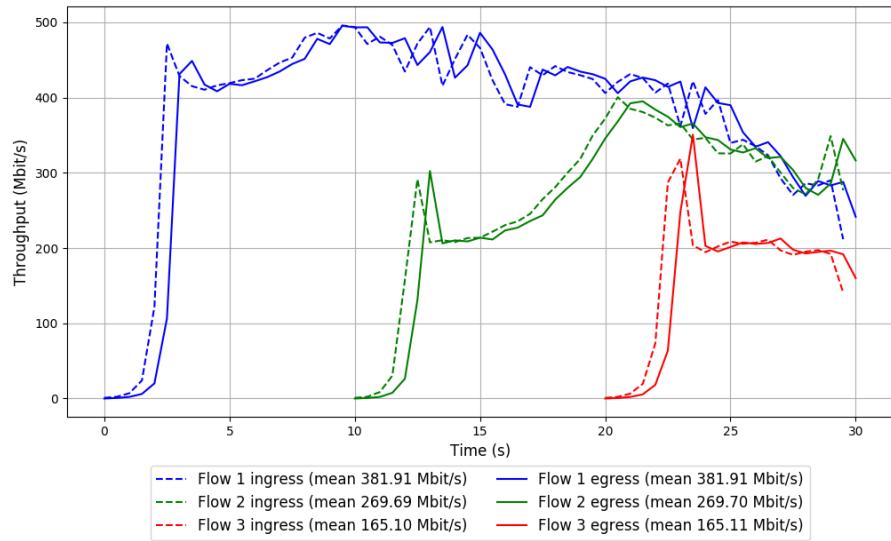


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-01 10:44:50
End at: 2018-06-01 10:45:20
Local clock offset: 0.202 ms
Remote clock offset: 13.16 ms

# Below is generated by plot.py at 2018-06-01 16:09:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 615.70 Mbit/s
95th percentile per-packet one-way delay: 53.266 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 381.91 Mbit/s
95th percentile per-packet one-way delay: 51.573 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 269.70 Mbit/s
95th percentile per-packet one-way delay: 53.411 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 165.11 Mbit/s
95th percentile per-packet one-way delay: 64.897 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

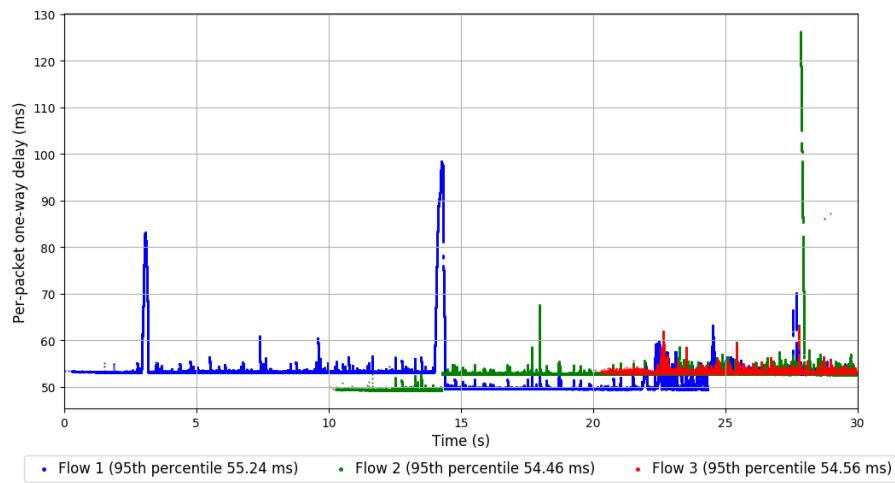
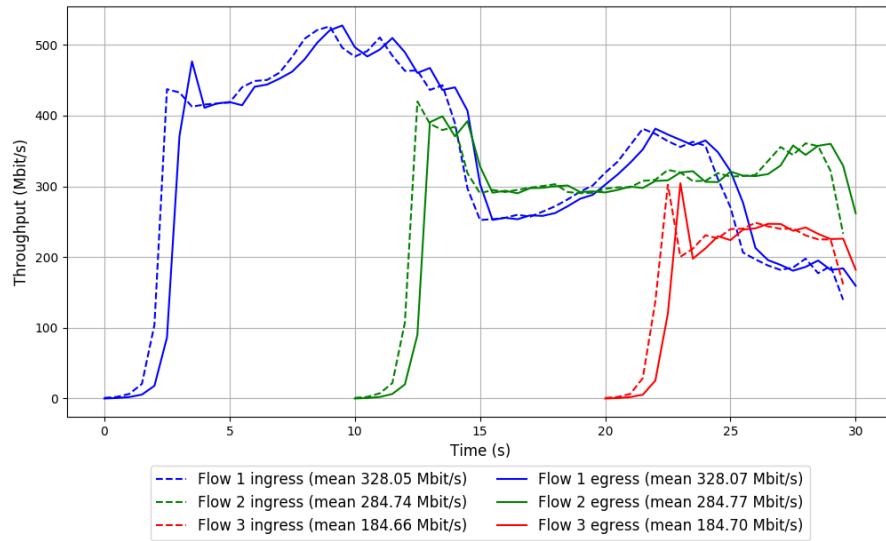


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-01 11:07:45
End at: 2018-06-01 11:08:15
Local clock offset: -0.043 ms
Remote clock offset: 18.704 ms

# Below is generated by plot.py at 2018-06-01 16:09:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 578.38 Mbit/s
95th percentile per-packet one-way delay: 54.801 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 328.07 Mbit/s
95th percentile per-packet one-way delay: 55.244 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 284.77 Mbit/s
95th percentile per-packet one-way delay: 54.459 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 184.70 Mbit/s
95th percentile per-packet one-way delay: 54.556 ms
Loss rate: 0.04%
```

Run 3: Report of PCC-Vivace — Data Link

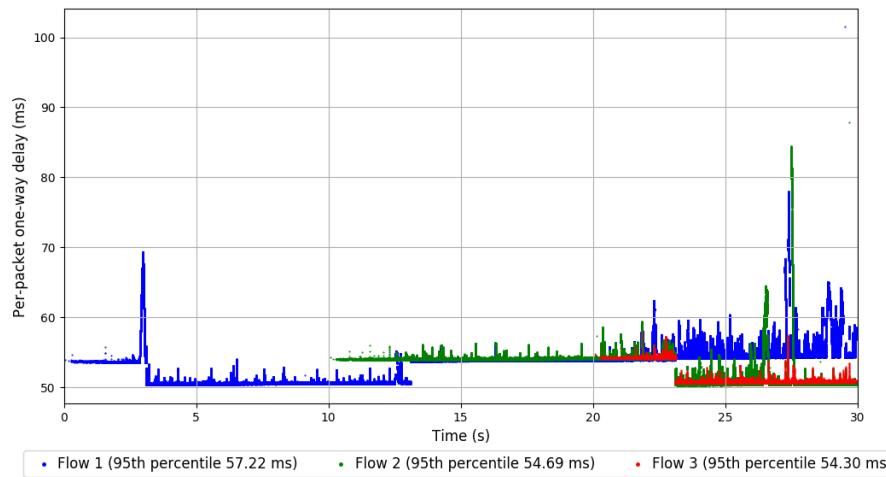
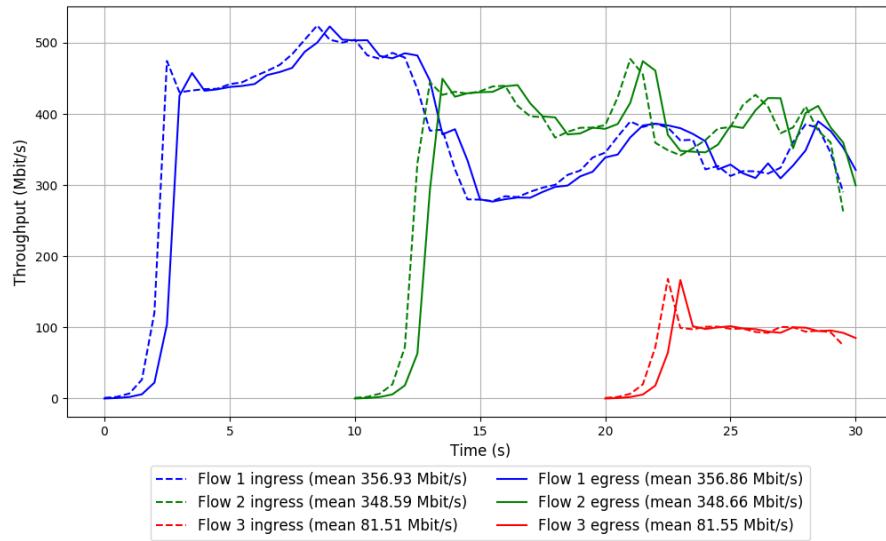


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-01 11:30:27
End at: 2018-06-01 11:30:57
Local clock offset: -0.3 ms
Remote clock offset: 14.985 ms

# Below is generated by plot.py at 2018-06-01 16:09:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 615.63 Mbit/s
95th percentile per-packet one-way delay: 56.254 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 356.86 Mbit/s
95th percentile per-packet one-way delay: 57.224 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 348.66 Mbit/s
95th percentile per-packet one-way delay: 54.689 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 81.55 Mbit/s
95th percentile per-packet one-way delay: 54.301 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Vivace — Data Link

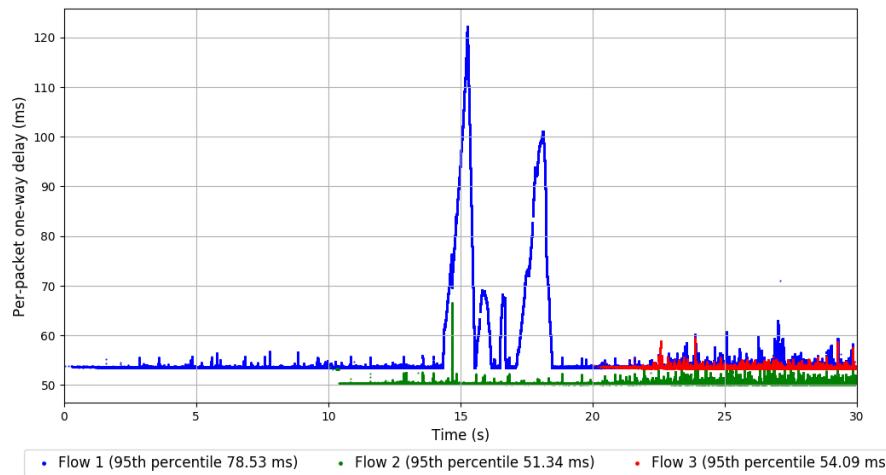
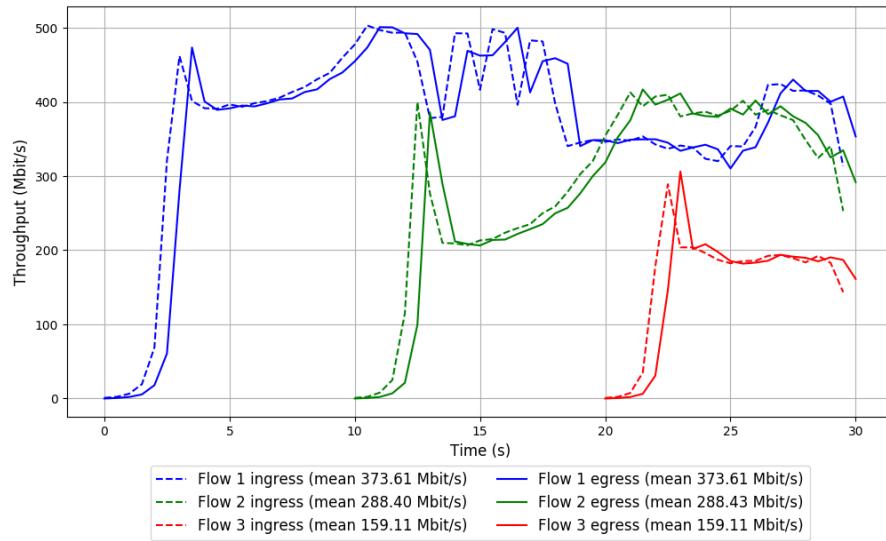


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-01 11:53:29
End at: 2018-06-01 11:53:59
Local clock offset: -0.246 ms
Remote clock offset: 14.196 ms

# Below is generated by plot.py at 2018-06-01 16:10:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 617.85 Mbit/s
95th percentile per-packet one-way delay: 68.100 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 373.61 Mbit/s
95th percentile per-packet one-way delay: 78.529 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 288.43 Mbit/s
95th percentile per-packet one-way delay: 51.344 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 159.11 Mbit/s
95th percentile per-packet one-way delay: 54.086 ms
Loss rate: 0.02%
```

Run 5: Report of PCC-Vivace — Data Link

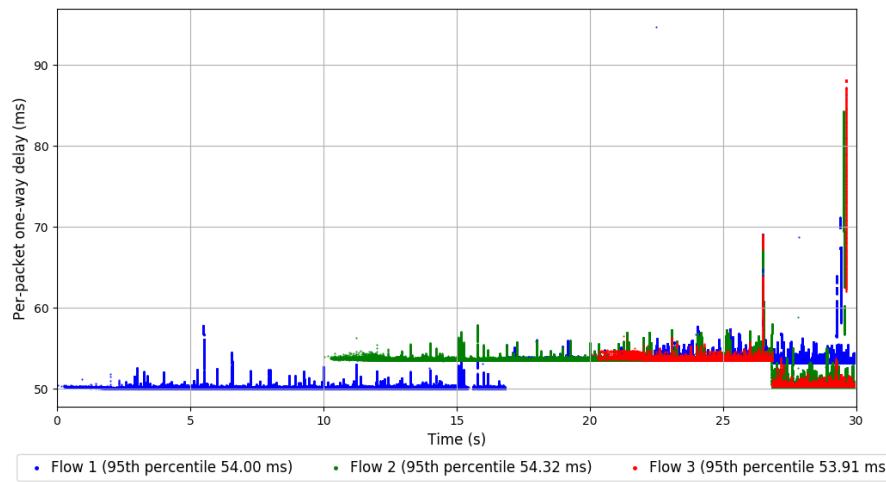
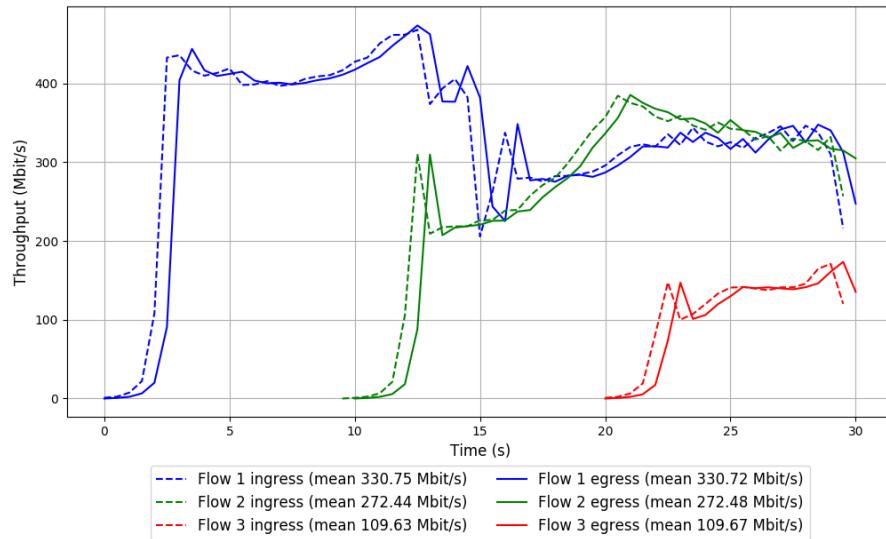


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-01 12:16:53
End at: 2018-06-01 12:17:23
Local clock offset: -0.222 ms
Remote clock offset: 5.462 ms

# Below is generated by plot.py at 2018-06-01 16:12:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 548.20 Mbit/s
95th percentile per-packet one-way delay: 54.061 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 330.72 Mbit/s
95th percentile per-packet one-way delay: 53.998 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 272.48 Mbit/s
95th percentile per-packet one-way delay: 54.323 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 109.67 Mbit/s
95th percentile per-packet one-way delay: 53.906 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link

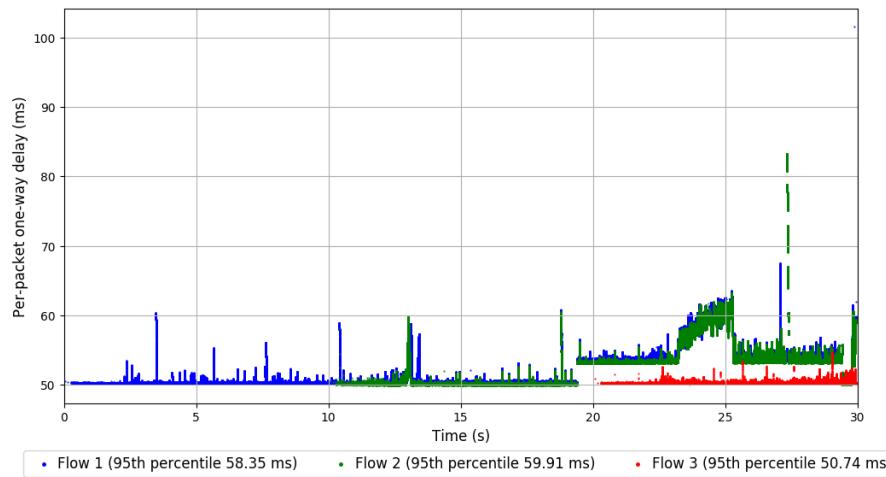
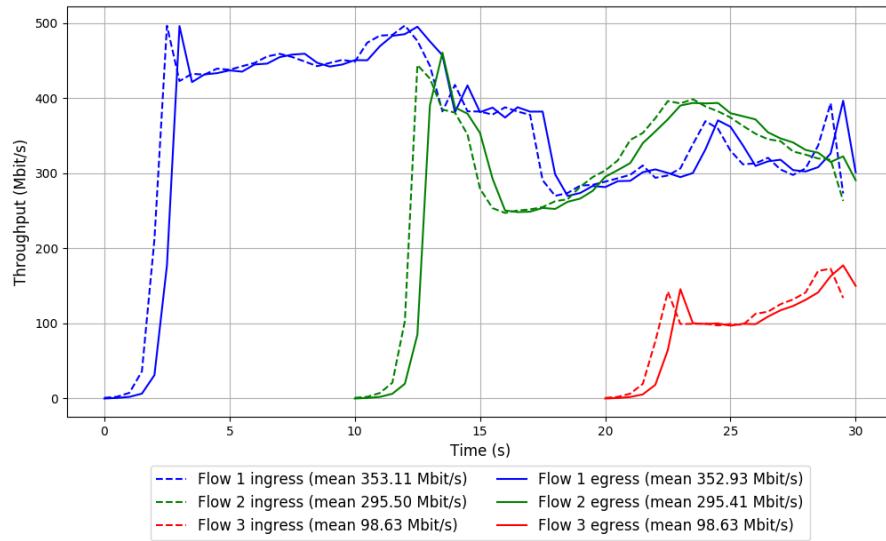


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-01 12:39:40
End at: 2018-06-01 12:40:10
Local clock offset: -0.006 ms
Remote clock offset: 3.525 ms

# Below is generated by plot.py at 2018-06-01 16:12:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 581.90 Mbit/s
95th percentile per-packet one-way delay: 59.152 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 352.93 Mbit/s
95th percentile per-packet one-way delay: 58.347 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 295.41 Mbit/s
95th percentile per-packet one-way delay: 59.915 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 98.63 Mbit/s
95th percentile per-packet one-way delay: 50.745 ms
Loss rate: 0.00%
```

Run 7: Report of PCC-Vivace — Data Link

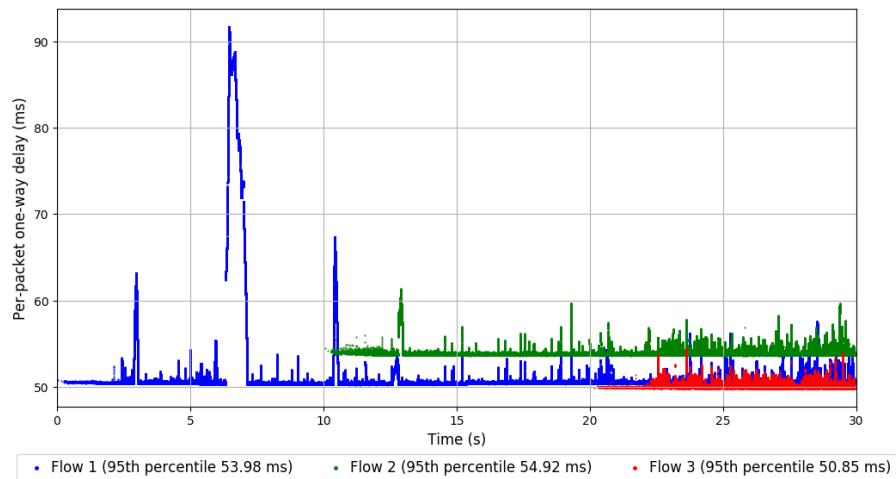
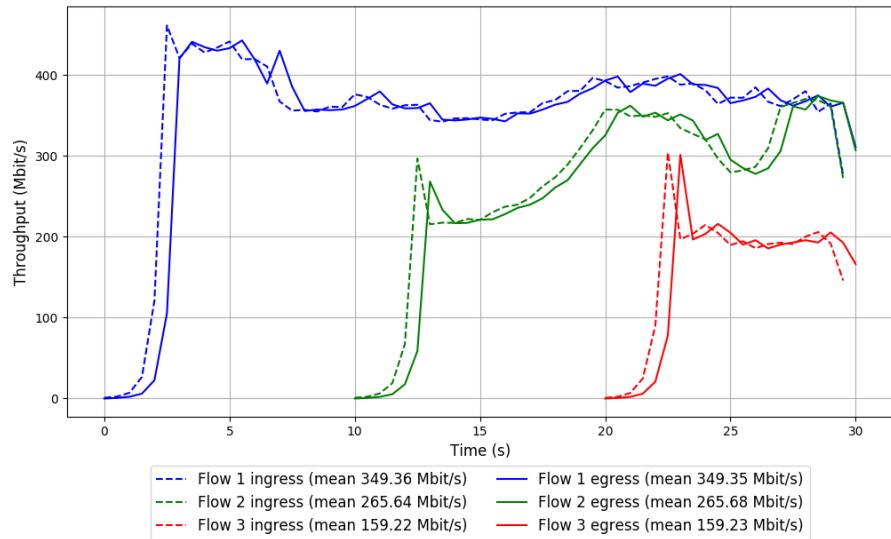


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-01 13:02:14
End at: 2018-06-01 13:02:44
Local clock offset: -0.349 ms
Remote clock offset: 3.414 ms

# Below is generated by plot.py at 2018-06-01 16:13:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 578.50 Mbit/s
95th percentile per-packet one-way delay: 54.629 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 349.35 Mbit/s
95th percentile per-packet one-way delay: 53.978 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 265.68 Mbit/s
95th percentile per-packet one-way delay: 54.923 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 159.23 Mbit/s
95th percentile per-packet one-way delay: 50.855 ms
Loss rate: 0.01%
```

Run 8: Report of PCC-Vivace — Data Link

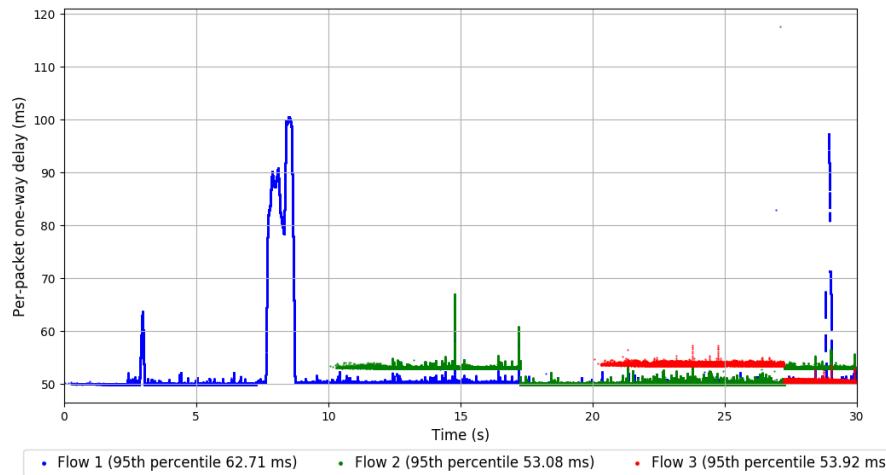
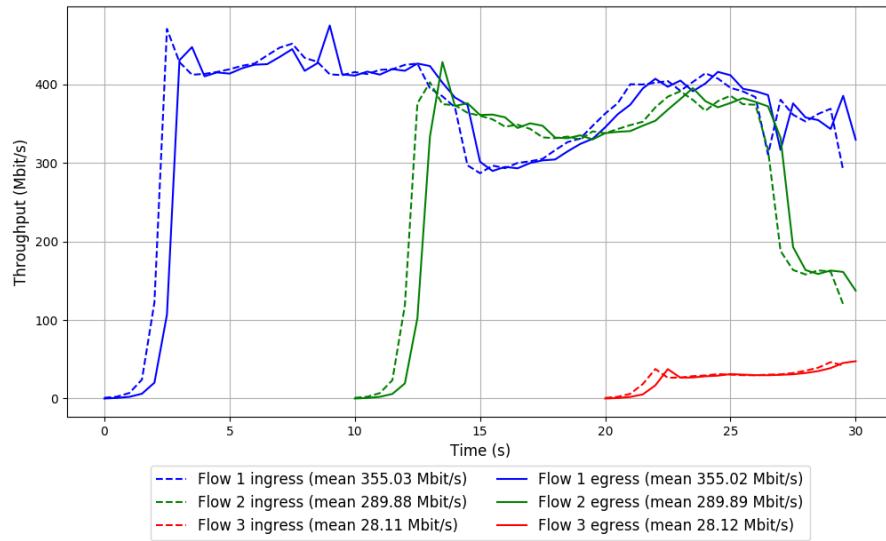


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-01 13:25:02
End at: 2018-06-01 13:25:32
Local clock offset: -0.144 ms
Remote clock offset: 0.48 ms

# Below is generated by plot.py at 2018-06-01 16:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 557.04 Mbit/s
95th percentile per-packet one-way delay: 53.485 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 355.02 Mbit/s
95th percentile per-packet one-way delay: 62.706 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 289.89 Mbit/s
95th percentile per-packet one-way delay: 53.079 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.12 Mbit/s
95th percentile per-packet one-way delay: 53.924 ms
Loss rate: 0.00%
```

Run 9: Report of PCC-Vivace — Data Link

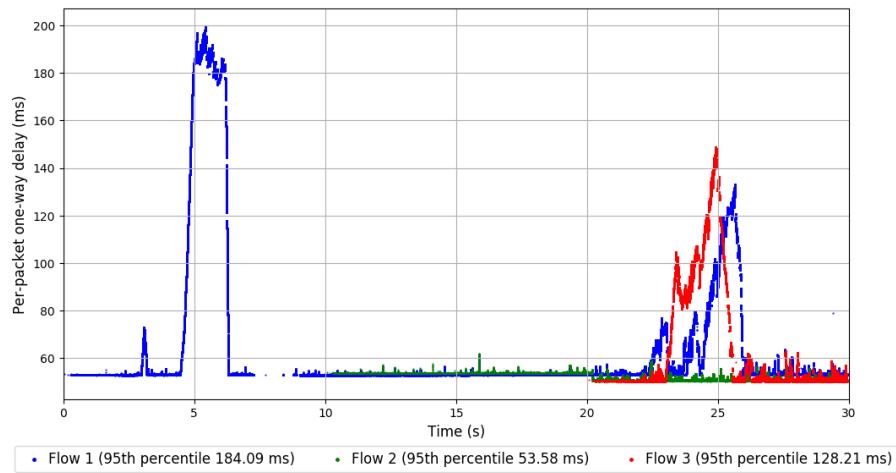
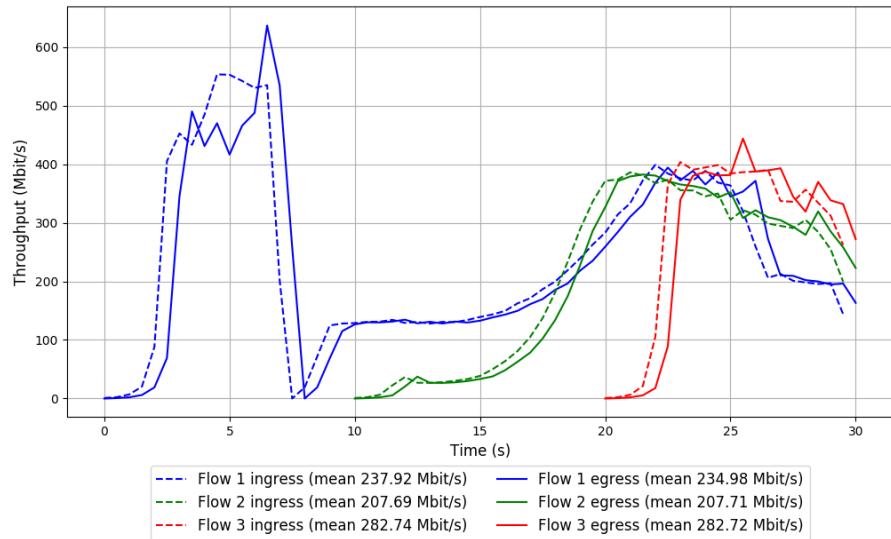


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-01 13:47:40
End at: 2018-06-01 13:48:10
Local clock offset: -0.01 ms
Remote clock offset: 0.365 ms

# Below is generated by plot.py at 2018-06-01 16:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 466.35 Mbit/s
95th percentile per-packet one-way delay: 143.558 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 234.98 Mbit/s
95th percentile per-packet one-way delay: 184.086 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 207.71 Mbit/s
95th percentile per-packet one-way delay: 53.575 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 282.72 Mbit/s
95th percentile per-packet one-way delay: 128.211 ms
Loss rate: 0.02%
```

Run 10: Report of PCC-Vivace — Data Link

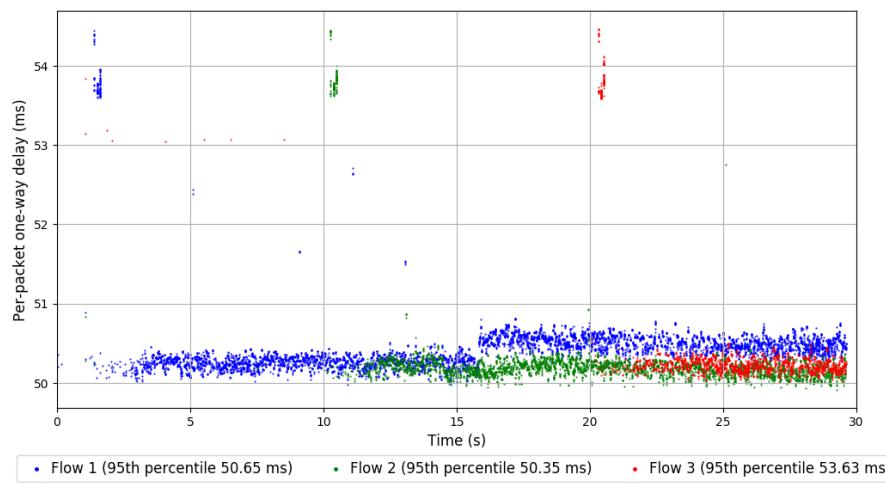
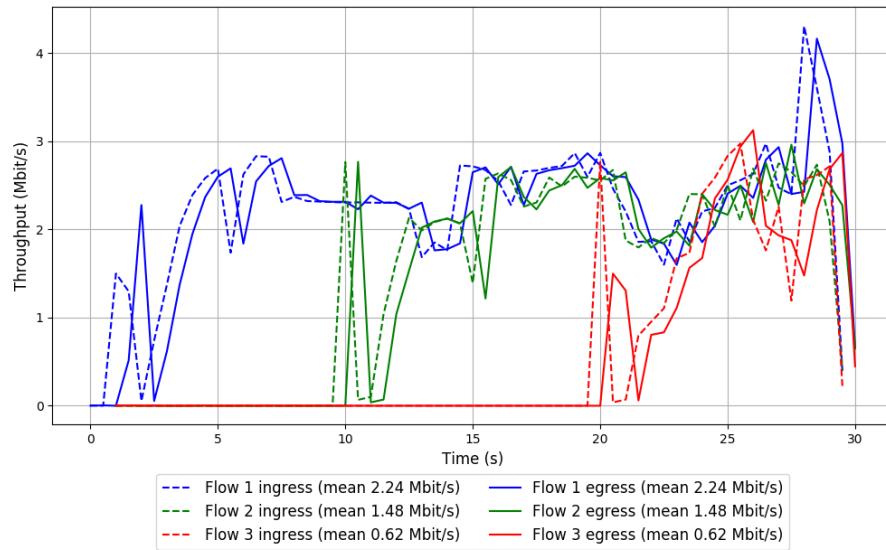


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-01 10:09:44
End at: 2018-06-01 10:10:14
Local clock offset: -0.144 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-06-01 16:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 50.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 50.646 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 50.352 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 53.633 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

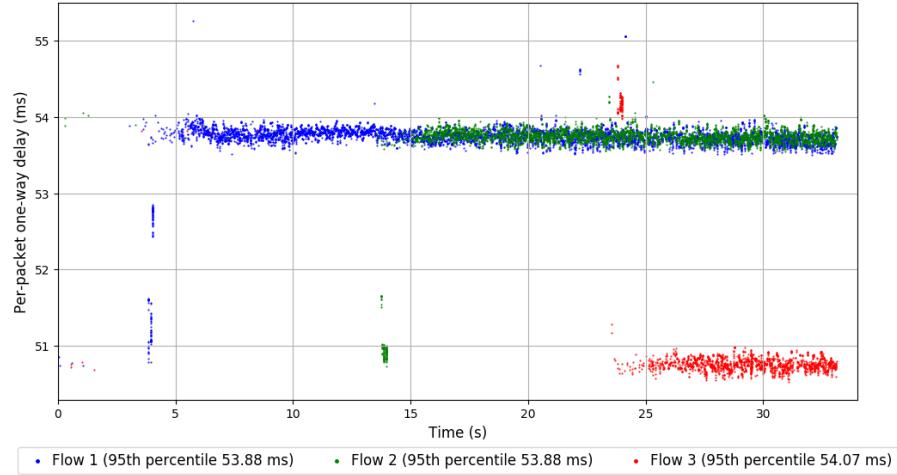
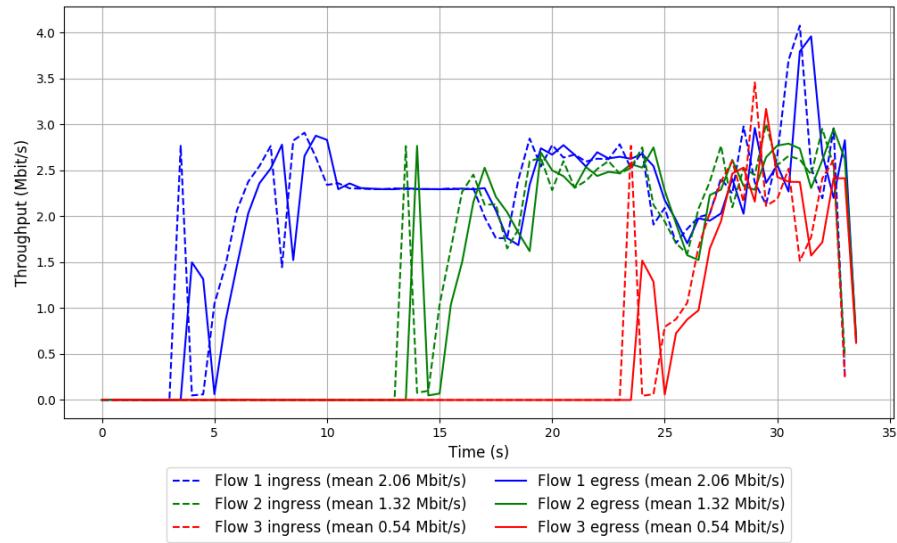


```
Run 2: Statistics of WebRTC media

Start at: 2018-06-01 10:32:10
End at: 2018-06-01 10:32:40
Local clock offset: -0.538 ms
Remote clock offset: 0.113 ms

# Below is generated by plot.py at 2018-06-01 16:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 53.882 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 53.881 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 53.882 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 54.071 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

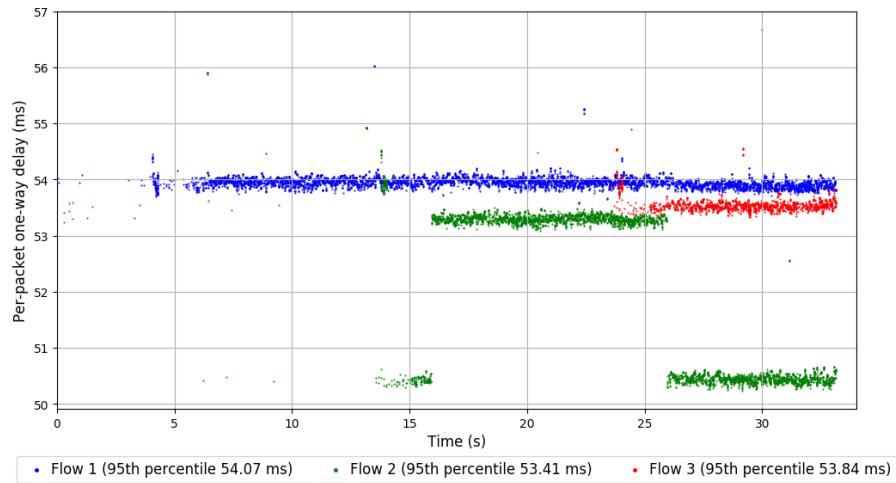
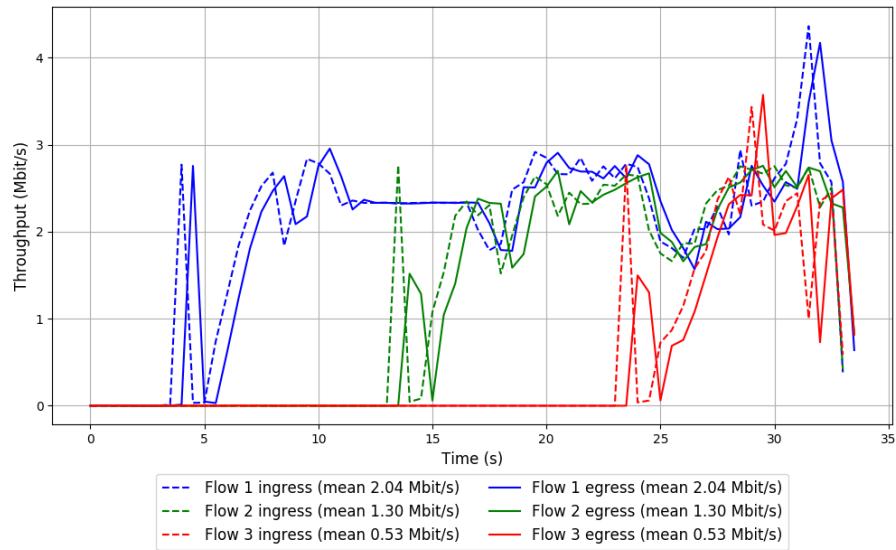


Run 3: Statistics of WebRTC media

```
Start at: 2018-06-01 10:54:47
End at: 2018-06-01 10:55:17
Local clock offset: -0.05 ms
Remote clock offset: 13.902 ms

# Below is generated by plot.py at 2018-06-01 16:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 54.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 54.073 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 53.409 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 53.836 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

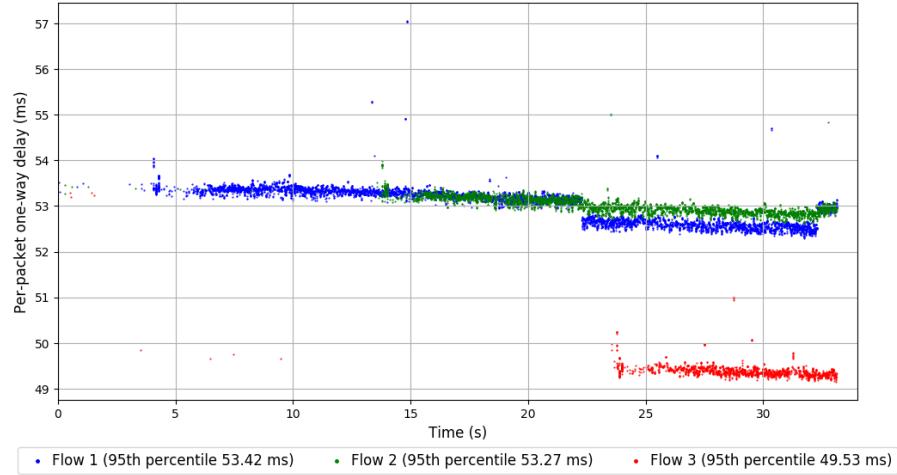
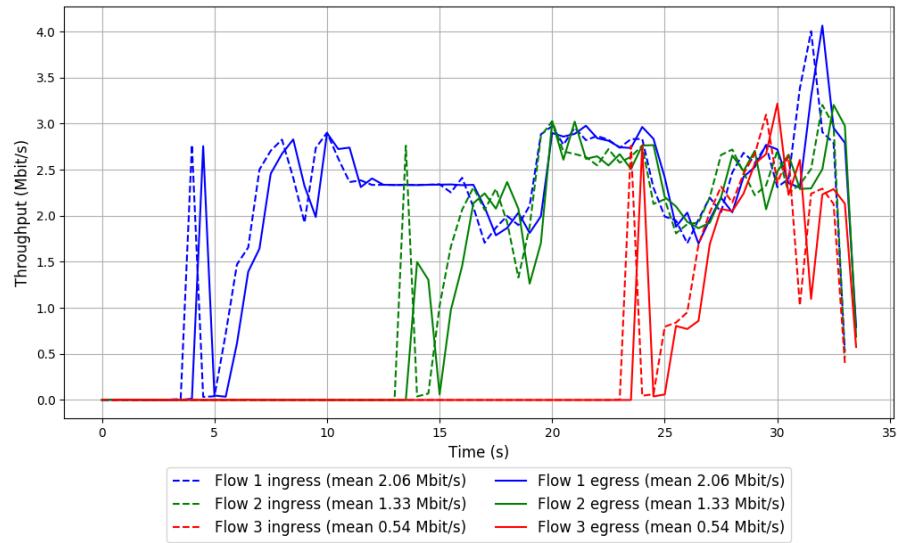


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-01 11:17:31
End at: 2018-06-01 11:18:01
Local clock offset: 0.14 ms
Remote clock offset: 26.102 ms

# Below is generated by plot.py at 2018-06-01 16:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 53.396 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 53.424 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 53.274 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 49.534 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

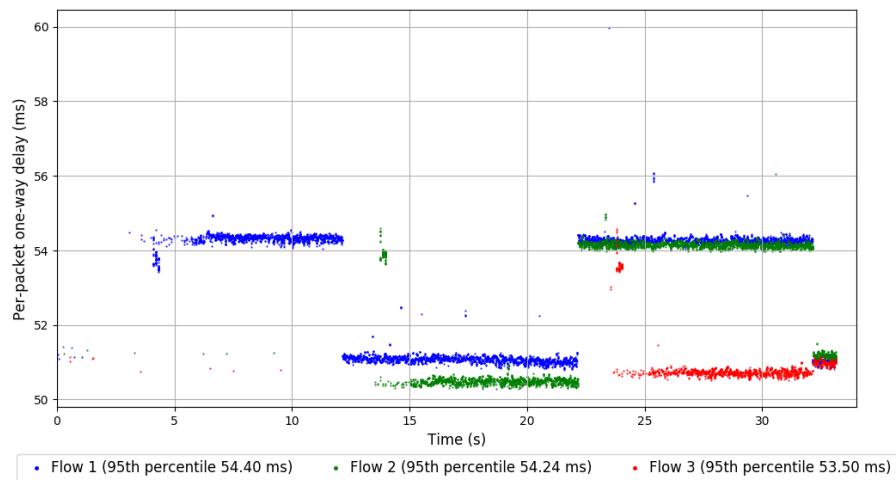
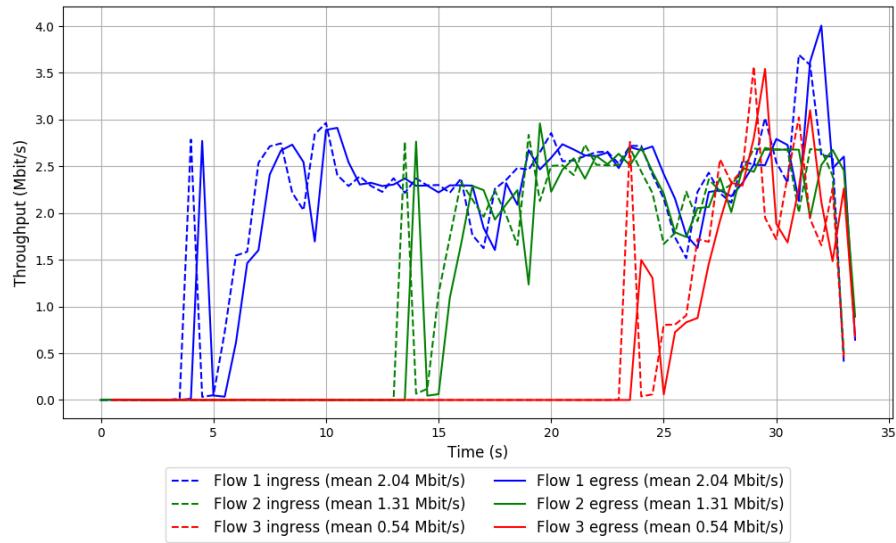


```
Run 5: Statistics of WebRTC media

Start at: 2018-06-01 11:40:21
End at: 2018-06-01 11:40:51
Local clock offset: -0.384 ms
Remote clock offset: 11.55 ms

# Below is generated by plot.py at 2018-06-01 16:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 54.371 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 54.397 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 54.240 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 53.502 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

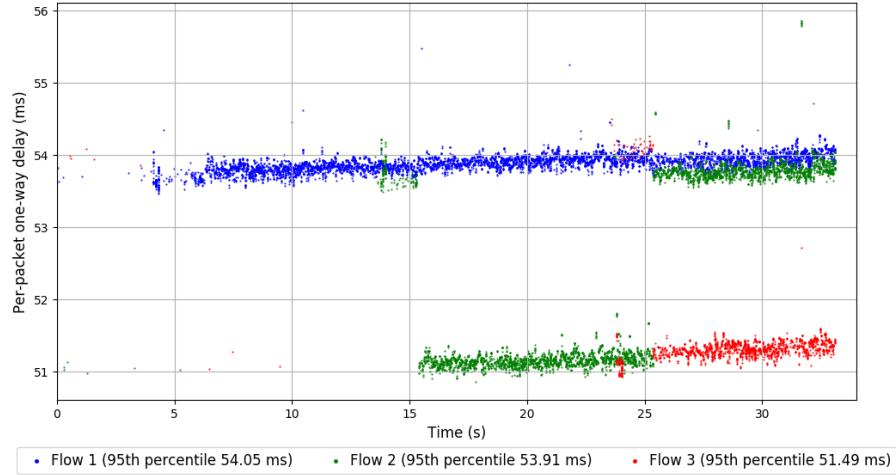
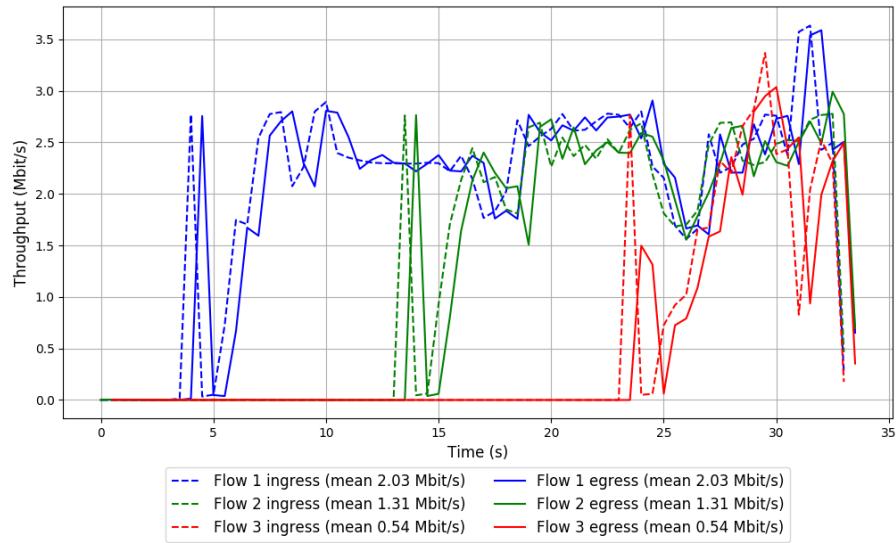


Run 6: Statistics of WebRTC media

```
Start at: 2018-06-01 12:03:28
End at: 2018-06-01 12:03:58
Local clock offset: 0.022 ms
Remote clock offset: 8.491 ms

# Below is generated by plot.py at 2018-06-01 16:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 54.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 54.054 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 53.905 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 51.494 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

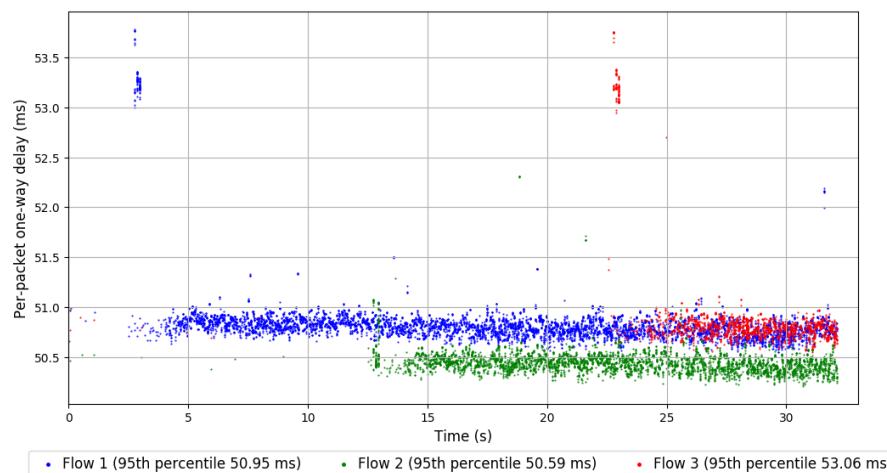
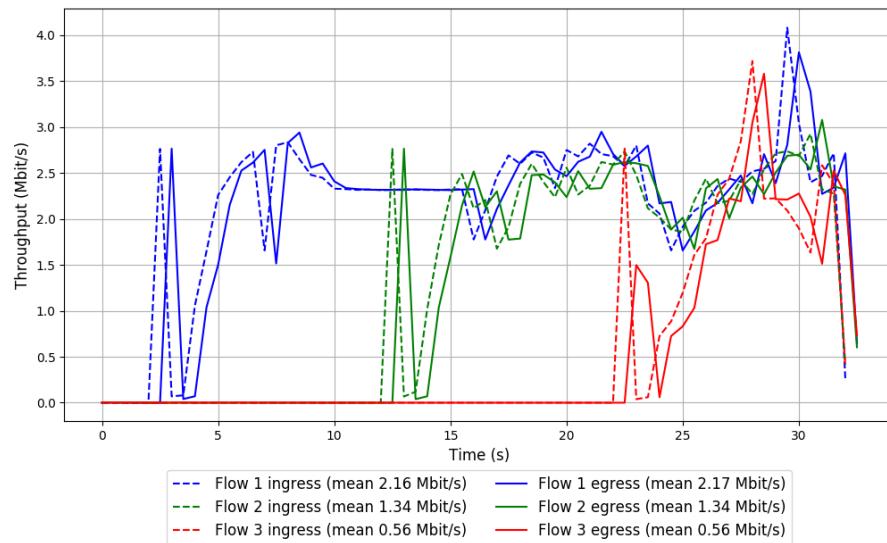


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-01 12:26:51
End at: 2018-06-01 12:27:22
Local clock offset: -0.164 ms
Remote clock offset: 6.572 ms

# Below is generated by plot.py at 2018-06-01 16:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 50.936 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 50.952 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 50.592 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 53.064 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

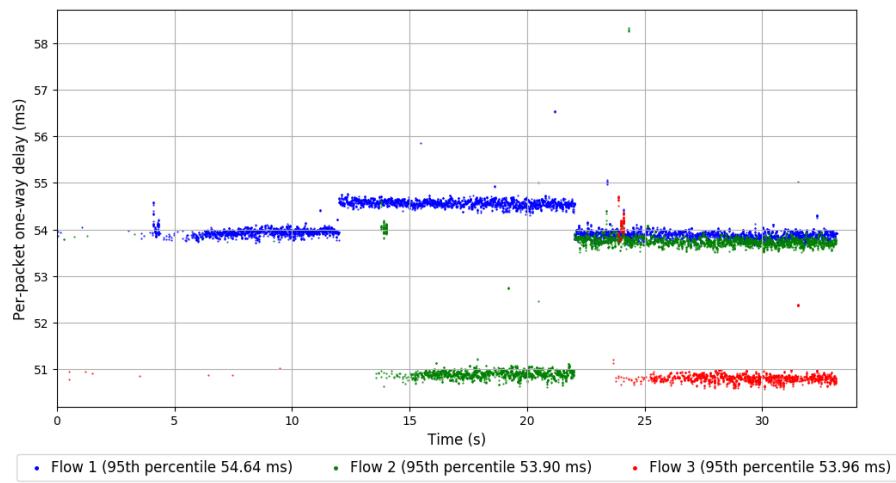
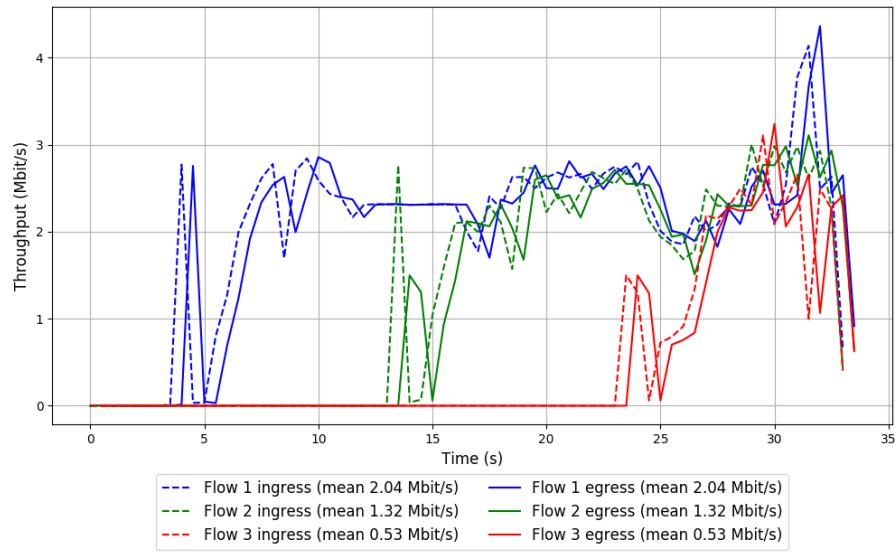


```
Run 8: Statistics of WebRTC media

Start at: 2018-06-01 12:49:31
End at: 2018-06-01 12:50:01
Local clock offset: -0.411 ms
Remote clock offset: 3.12 ms

# Below is generated by plot.py at 2018-06-01 16:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 54.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 54.641 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 53.898 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 53.964 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

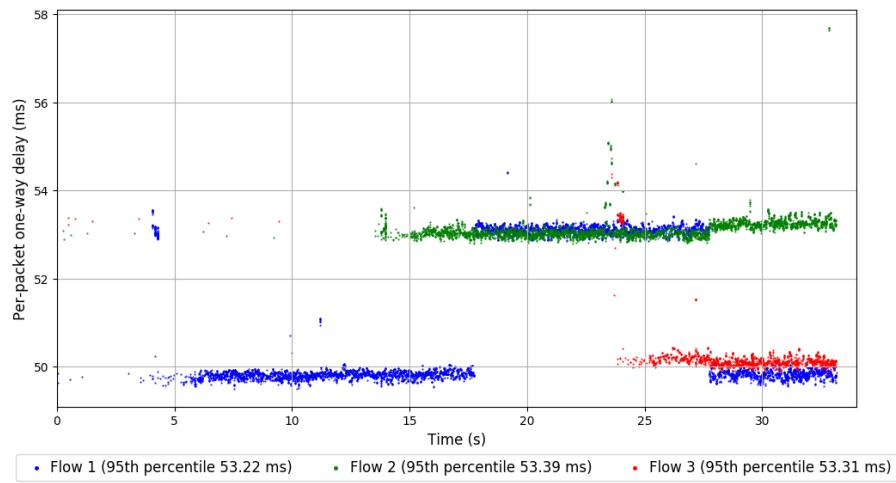
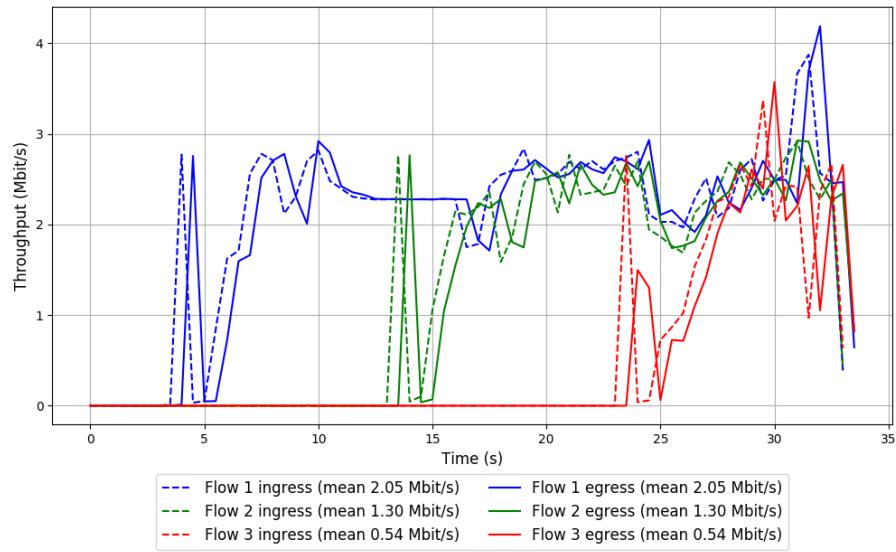


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-01 13:12:05
End at: 2018-06-01 13:12:35
Local clock offset: -0.082 ms
Remote clock offset: 1.34 ms

# Below is generated by plot.py at 2018-06-01 16:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 53.297 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 53.217 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 53.390 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 53.310 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-06-01 13:34:51
End at: 2018-06-01 13:35:21
Local clock offset: -0.191 ms
Remote clock offset: 0.597 ms

# Below is generated by plot.py at 2018-06-01 16:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 53.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 50.686 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 53.556 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 53.537 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

