

Pantheon Report

Generated at 2019-12-11 14:22:51 (UTC).

Data path: GCE Tokyo on *ens4 (local)* → GCE London on *ens4 (remote)*.

Repeated the test of 24 congestion control schemes 5 times.

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

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

System info:

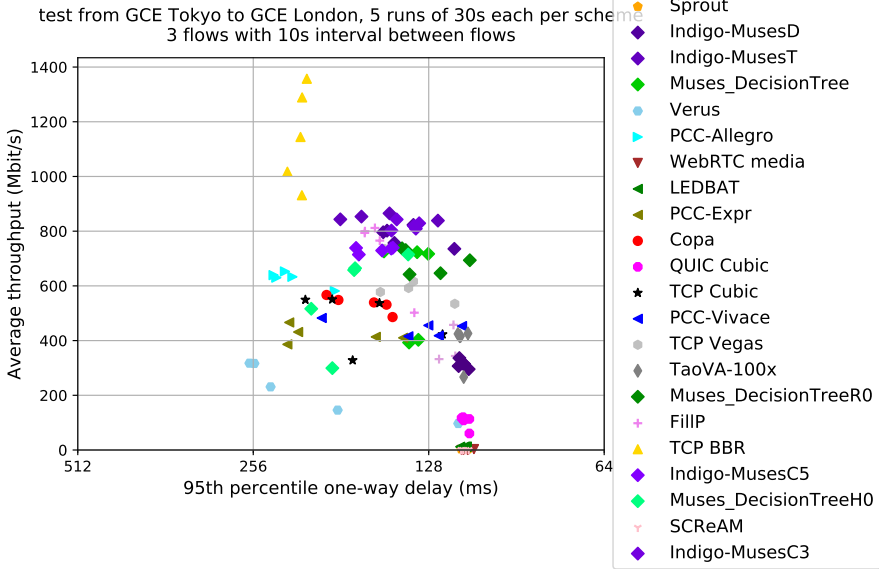
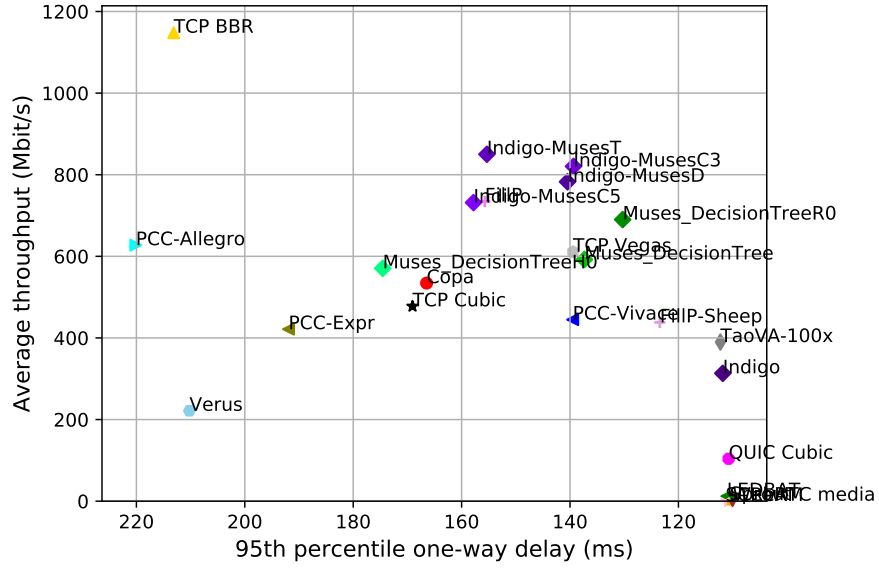
```
Linux 5.0.0-1025-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
```

```
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Tokyo to GCE London, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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	5	641.68	545.97	428.73	206.83	210.25	198.33	3.79	4.11	1.84
Copa	5	290.34	251.31	231.00	148.72	180.20	165.36	0.02	0.03	0.05
TCP Cubic	5	272.77	273.31	68.44	144.70	173.11	109.33	0.06	0.25	0.02
FillP	5	432.94	330.28	246.83	162.82	111.86	114.01	0.89	0.00	0.05
FillP-Sheep	5	157.21	310.51	224.06	131.61	112.14	113.83	0.10	0.00	0.03
Indigo	5	161.00	162.05	140.73	110.35	112.12	112.16	0.00	0.00	0.00
Indigo-MusesC3	5	483.20	401.30	310.07	143.99	131.27	117.06	0.02	0.03	0.16
Indigo-MusesC5	5	427.25	367.36	257.90	163.79	146.98	123.47	0.04	0.00	0.02
Indigo-MusesD	5	474.80	371.68	272.43	149.12	124.04	115.77	0.10	0.00	0.03
Indigo-MusesT	4	514.09	434.20	249.64	161.49	136.71	131.97	0.06	0.00	0.03
LEDBAT	5	7.75	5.26	2.55	111.39	109.51	108.39	0.03	0.00	0.00
Muses_DecisionTree	5	256.22	380.27	253.19	132.31	127.16	121.81	0.13	0.00	0.02
Muses_DecisionTreeH0	5	276.85	324.19	249.24	164.62	167.48	117.35	0.98	0.32	0.01
Muses_DecisionTreeR0	5	407.48	328.70	203.46	136.27	118.98	113.97	0.05	0.01	0.00
PCC-Allegro	5	361.77	283.02	235.17	222.05	197.00	196.73	2.68	2.33	1.07
PCC-Expr	5	250.86	172.33	169.56	185.21	158.13	202.91	1.09	0.81	2.61
QUIC Cubic	5	51.89	56.53	44.64	108.65	109.28	108.73	0.00	0.00	0.00
SCReAM	5	0.22	0.22	0.21	110.82	109.26	109.56	0.00	0.00	0.00
Sprout	5	1.42	1.33	0.92	107.94	108.85	109.24	0.00	0.00	0.00
TaoVA-100x	5	219.55	170.67	170.76	110.16	111.71	114.46	0.00	0.00	0.02
TCP Vegas	5	297.19	350.50	242.52	130.32	122.79	131.67	0.03	0.13	0.05
Verus	5	116.13	122.67	75.79	209.92	195.32	148.05	2.94	0.67	0.36
PCC-Vivace	5	282.68	175.65	137.49	137.09	165.74	114.92	0.20	0.65	0.18
WebRTC media	5	0.80	0.41	0.17	108.49	110.03	109.47	0.00	0.00	0.01

Run 1: Statistics of TCP BBR

Start at: 2019-12-11 07:44:51

End at: 2019-12-11 07:45:21

Local clock offset: -0.236 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2019-12-11 12:00:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 1357.29 Mbit/s

95th percentile per-packet one-way delay: 207.183 ms

Loss rate: 4.61%

-- Flow 1:

Average throughput: 791.71 Mbit/s

95th percentile per-packet one-way delay: 197.436 ms

Loss rate: 3.04%

-- Flow 2:

Average throughput: 670.59 Mbit/s

95th percentile per-packet one-way delay: 218.066 ms

Loss rate: 8.33%

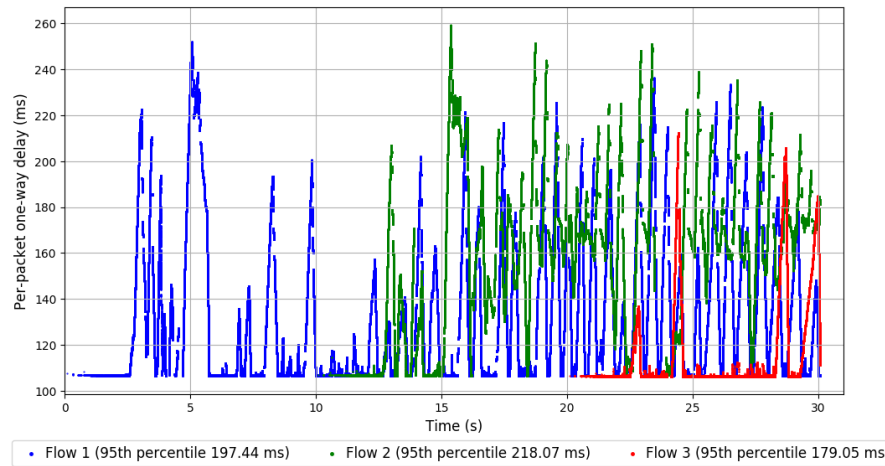
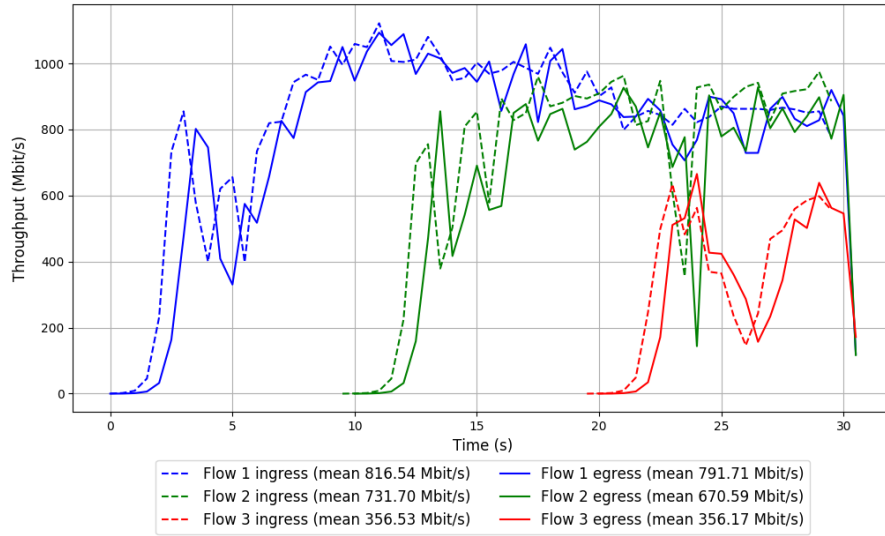
-- Flow 3:

Average throughput: 356.17 Mbit/s

95th percentile per-packet one-way delay: 179.049 ms

Loss rate: 0.05%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-12-11 08:27:40

End at: 2019-12-11 08:28:10

Local clock offset: -0.075 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2019-12-11 12:00:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 1289.05 Mbit/s

95th percentile per-packet one-way delay: 211.051 ms

Loss rate: 4.06%

-- Flow 1:

Average throughput: 736.97 Mbit/s

95th percentile per-packet one-way delay: 201.760 ms

Loss rate: 3.14%

-- Flow 2:

Average throughput: 584.25 Mbit/s

95th percentile per-packet one-way delay: 223.466 ms

Loss rate: 5.70%

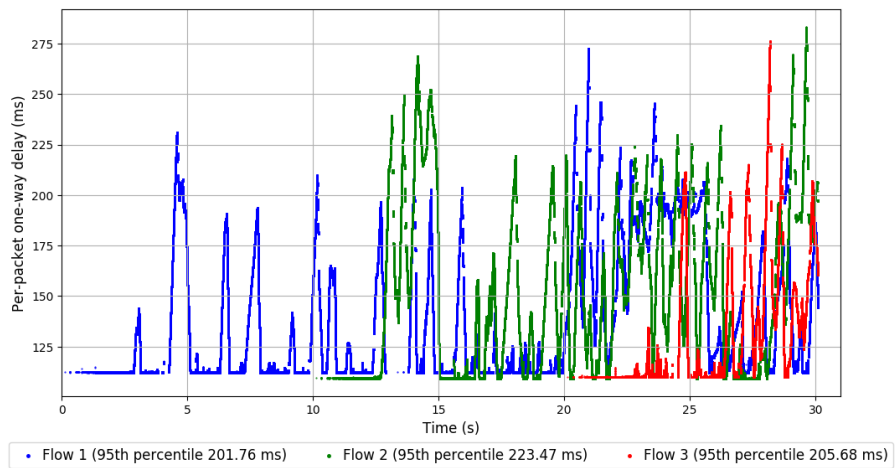
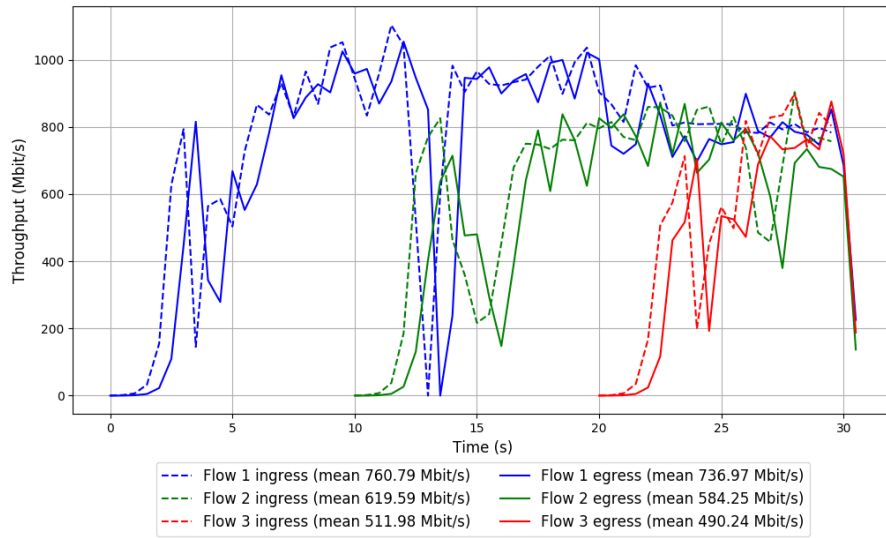
-- Flow 3:

Average throughput: 490.24 Mbit/s

95th percentile per-packet one-way delay: 205.683 ms

Loss rate: 4.24%

Run 2: Report of TCP BBR — Data Link

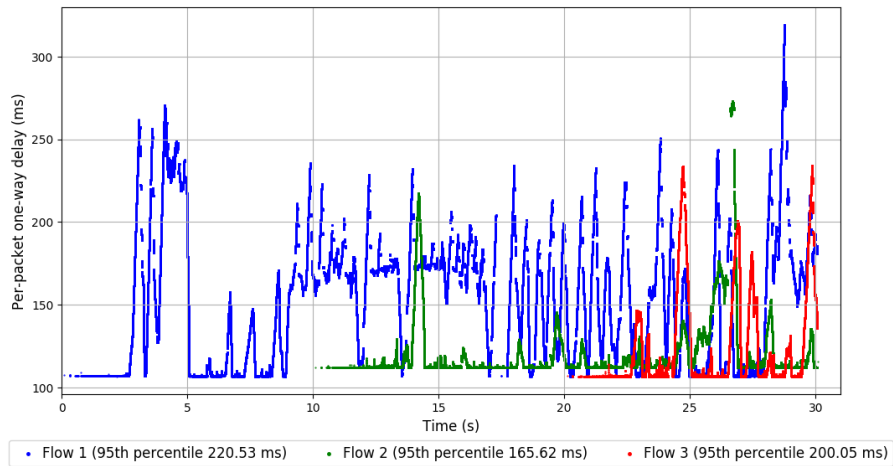
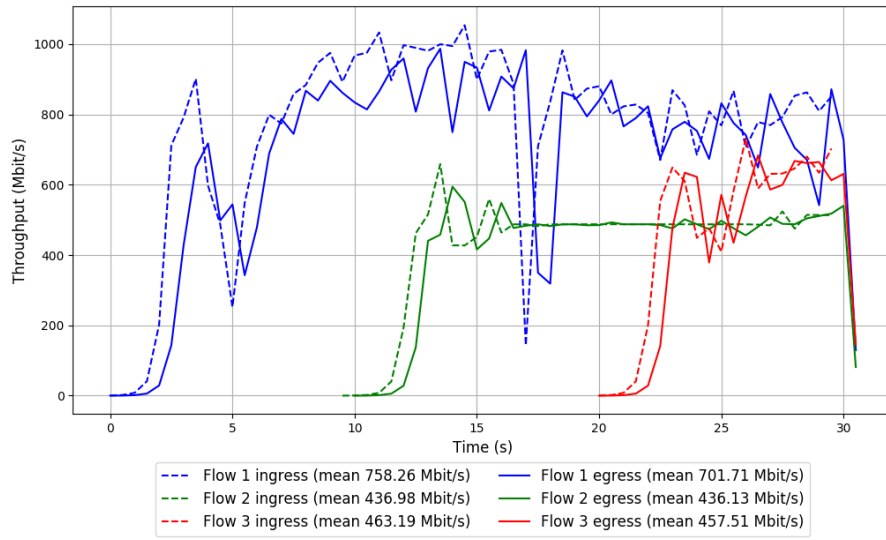


Run 3: Statistics of TCP BBR

Start at: 2019-12-11 09:11:20
End at: 2019-12-11 09:11:50
Local clock offset: -0.13 ms
Remote clock offset: -0.091 ms

```
# Below is generated by plot.py at 2019-12-11 12:00:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1144.37 Mbit/s
95th percentile per-packet one-way delay: 212.402 ms
Loss rate: 4.91%
-- Flow 1:
Average throughput: 701.71 Mbit/s
95th percentile per-packet one-way delay: 220.530 ms
Loss rate: 7.46%
-- Flow 2:
Average throughput: 436.13 Mbit/s
95th percentile per-packet one-way delay: 165.625 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 457.51 Mbit/s
95th percentile per-packet one-way delay: 200.052 ms
Loss rate: 1.23%
```

Run 3: Report of TCP BBR — Data Link

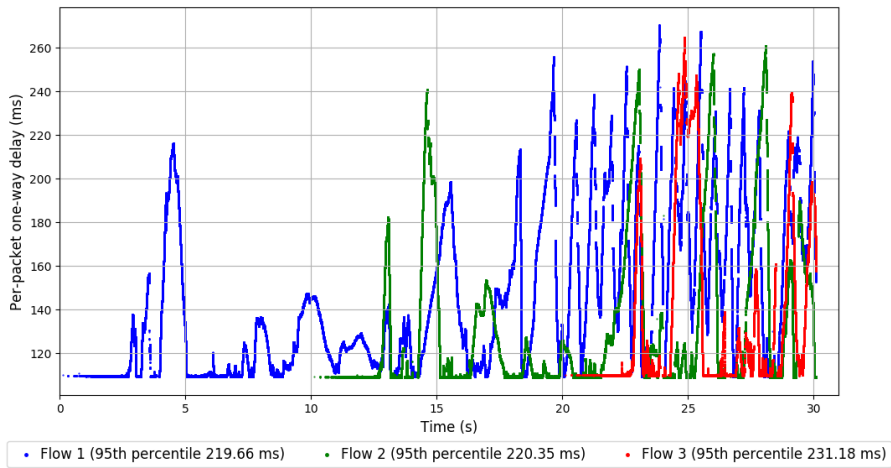
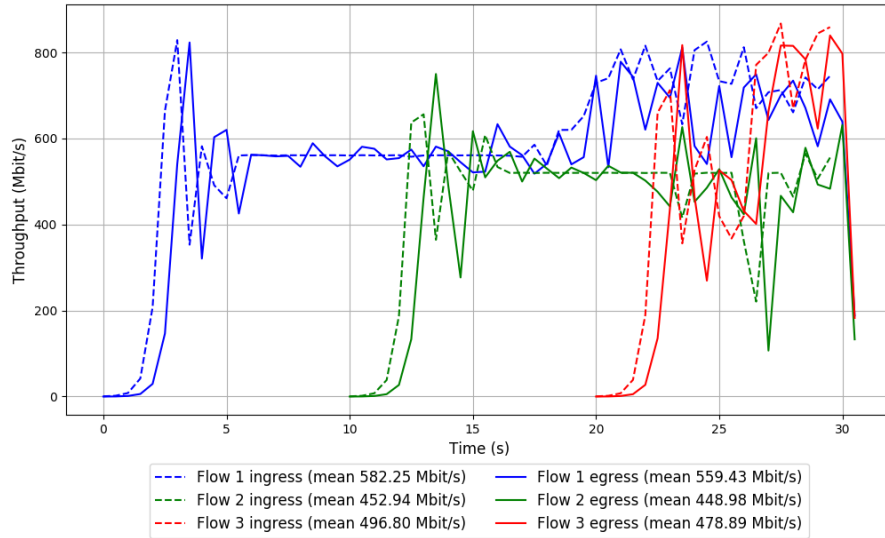


Run 4: Statistics of TCP BBR

Start at: 2019-12-11 09:54:39
End at: 2019-12-11 09:55:09
Local clock offset: -0.115 ms
Remote clock offset: -0.026 ms

```
# Below is generated by plot.py at 2019-12-11 12:00:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1017.53 Mbit/s
95th percentile per-packet one-way delay: 223.697 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 559.43 Mbit/s
95th percentile per-packet one-way delay: 219.656 ms
Loss rate: 3.92%
-- Flow 2:
Average throughput: 448.98 Mbit/s
95th percentile per-packet one-way delay: 220.351 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 478.89 Mbit/s
95th percentile per-packet one-way delay: 231.177 ms
Loss rate: 3.60%
```

Run 4: Report of TCP BBR — Data Link

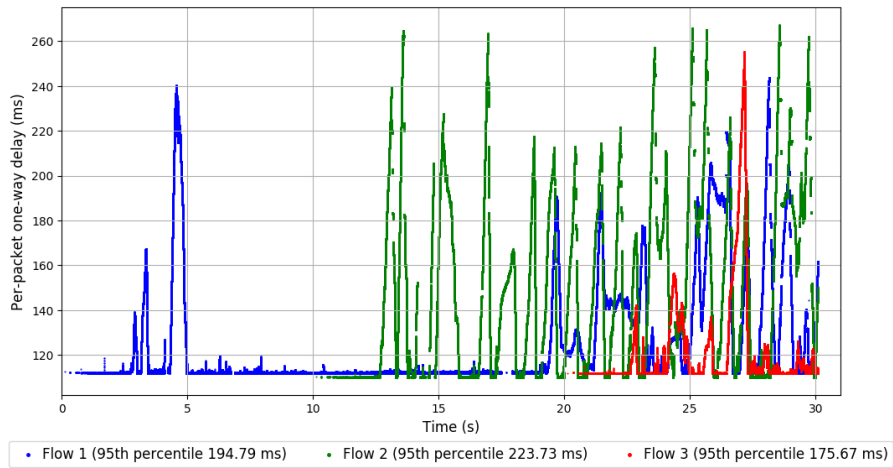
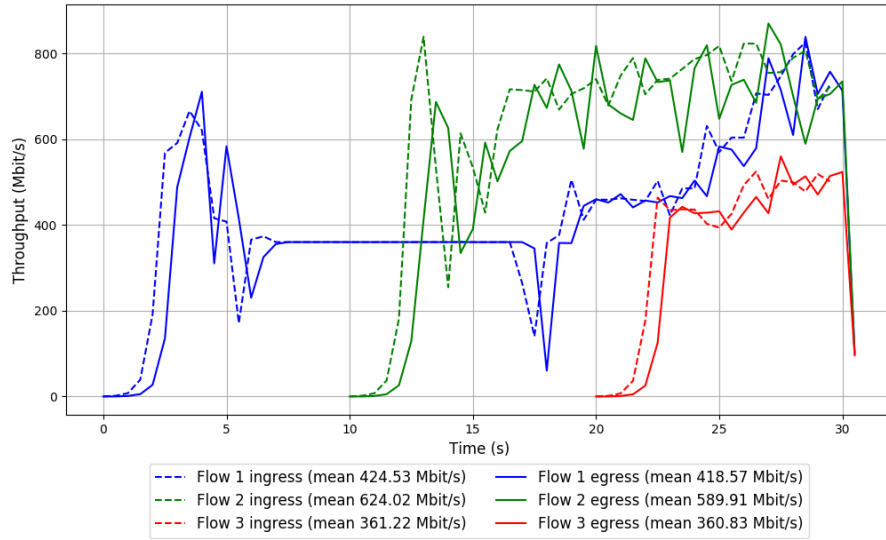


Run 5: Statistics of TCP BBR

Start at: 2019-12-11 10:37:15
End at: 2019-12-11 10:37:45
Local clock offset: -0.171 ms
Remote clock offset: -0.053 ms

```
# Below is generated by plot.py at 2019-12-11 12:00:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 931.43 Mbit/s
95th percentile per-packet one-way delay: 211.241 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 418.57 Mbit/s
95th percentile per-packet one-way delay: 194.788 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 589.91 Mbit/s
95th percentile per-packet one-way delay: 223.734 ms
Loss rate: 5.46%
-- Flow 3:
Average throughput: 360.83 Mbit/s
95th percentile per-packet one-way delay: 175.670 ms
Loss rate: 0.10%
```

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-12-11 08:06:05

End at: 2019-12-11 08:06:35

Local clock offset: -0.047 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2019-12-11 12:00:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 566.71 Mbit/s

95th percentile per-packet one-way delay: 191.661 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 304.90 Mbit/s

95th percentile per-packet one-way delay: 152.749 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 278.53 Mbit/s

95th percentile per-packet one-way delay: 238.188 ms

Loss rate: 0.13%

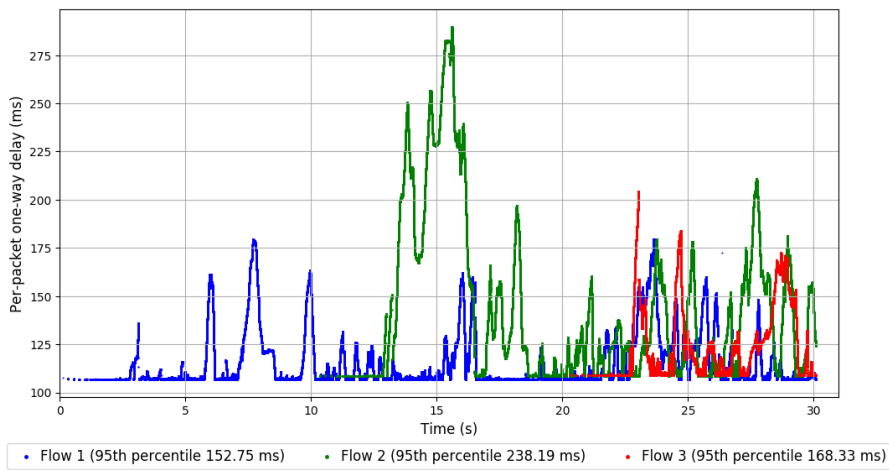
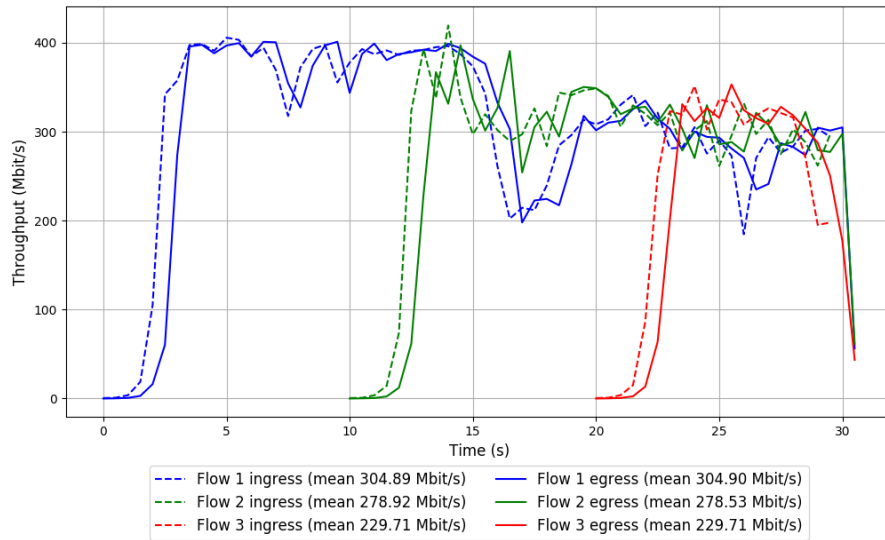
-- Flow 3:

Average throughput: 229.71 Mbit/s

95th percentile per-packet one-way delay: 168.333 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

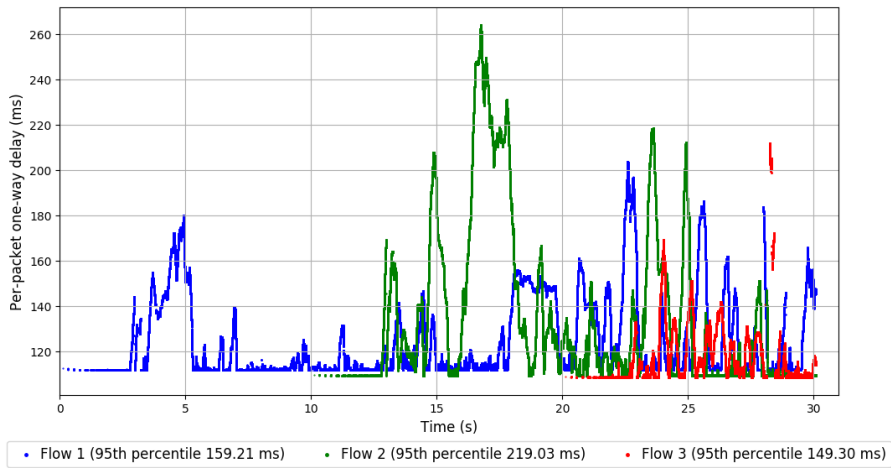
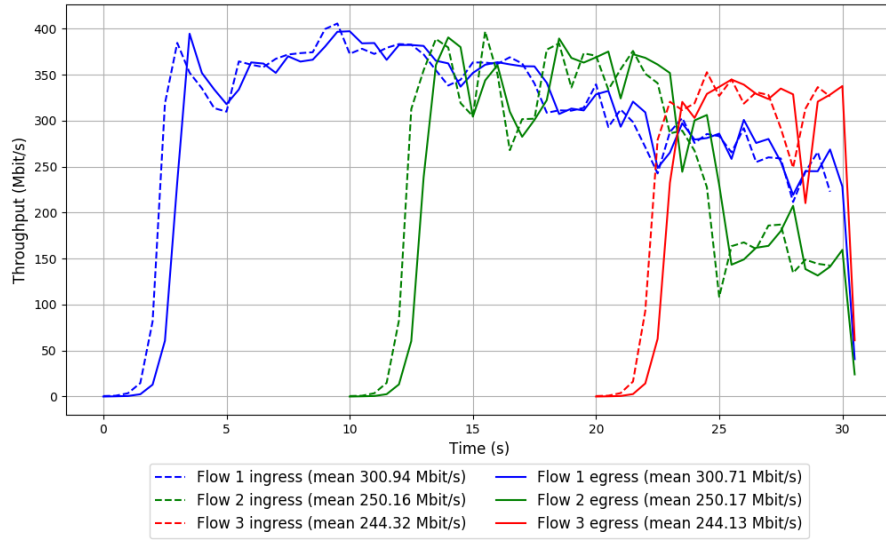


Run 2: Statistics of Copa

Start at: 2019-12-11 08:49:33
End at: 2019-12-11 08:50:03
Local clock offset: -0.253 ms
Remote clock offset: -0.023 ms

```
# Below is generated by plot.py at 2019-12-11 12:00:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 548.47 Mbit/s
95th percentile per-packet one-way delay: 182.885 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 300.71 Mbit/s
95th percentile per-packet one-way delay: 159.214 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 250.17 Mbit/s
95th percentile per-packet one-way delay: 219.034 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 244.13 Mbit/s
95th percentile per-packet one-way delay: 149.303 ms
Loss rate: 0.06%
```

Run 2: Report of Copa — Data Link

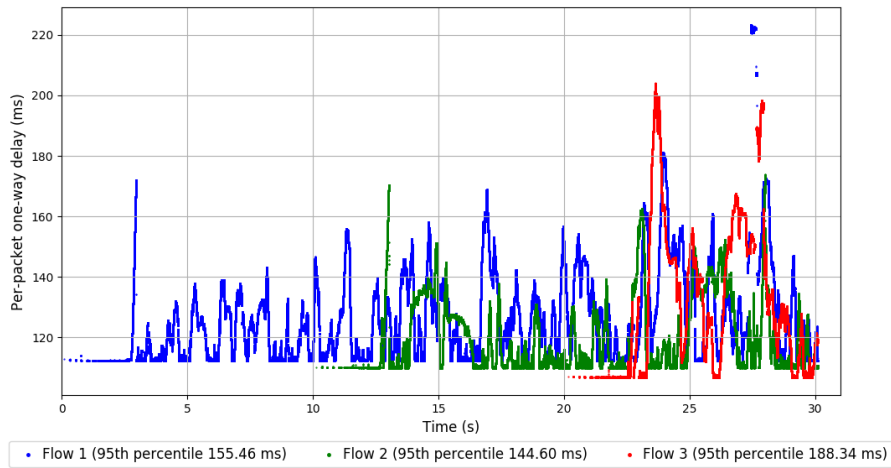
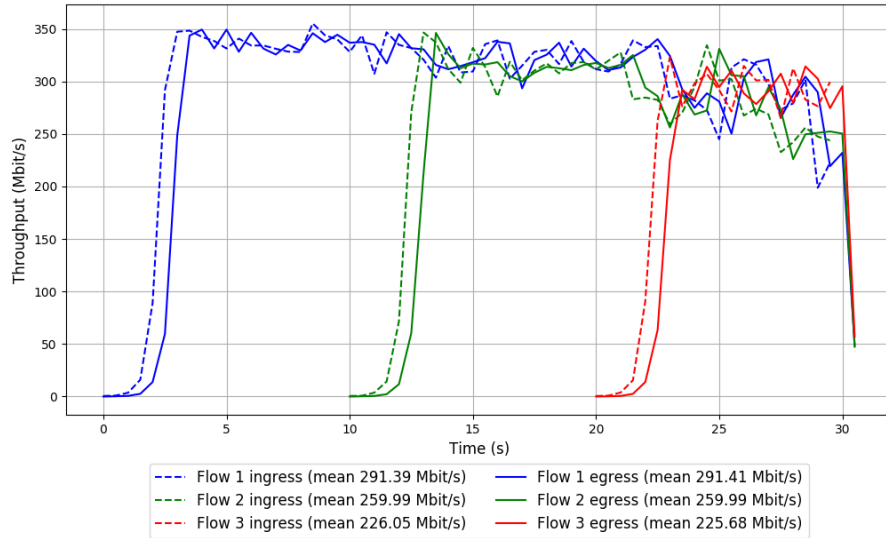


Run 3: Statistics of Copa

Start at: 2019-12-11 09:32:57
End at: 2019-12-11 09:33:27
Local clock offset: -0.184 ms
Remote clock offset: -0.024 ms

```
# Below is generated by plot.py at 2019-12-11 12:00:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 539.38 Mbit/s
95th percentile per-packet one-way delay: 158.892 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 291.41 Mbit/s
95th percentile per-packet one-way delay: 155.461 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 259.99 Mbit/s
95th percentile per-packet one-way delay: 144.603 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 225.68 Mbit/s
95th percentile per-packet one-way delay: 188.342 ms
Loss rate: 0.16%
```

Run 3: Report of Copa — Data Link

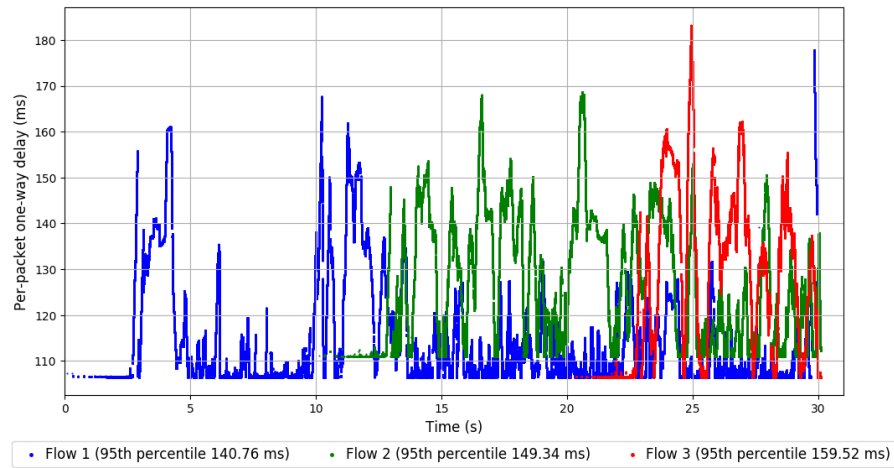
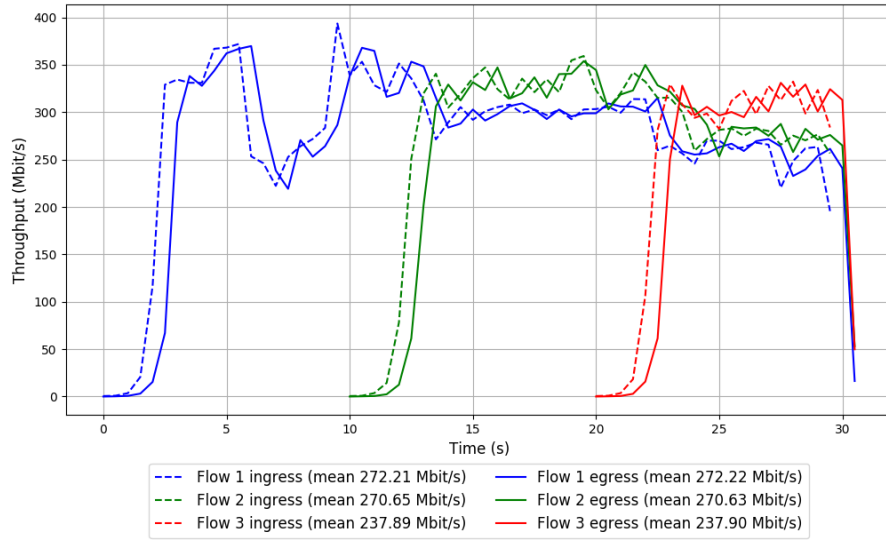


Run 4: Statistics of Copa

Start at: 2019-12-11 10:15:39
End at: 2019-12-11 10:16:09
Local clock offset: -0.247 ms
Remote clock offset: -0.427 ms

```
# Below is generated by plot.py at 2019-12-11 12:11:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 531.36 Mbit/s
95th percentile per-packet one-way delay: 151.236 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 272.22 Mbit/s
95th percentile per-packet one-way delay: 140.765 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 270.63 Mbit/s
95th percentile per-packet one-way delay: 149.335 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 237.90 Mbit/s
95th percentile per-packet one-way delay: 159.520 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

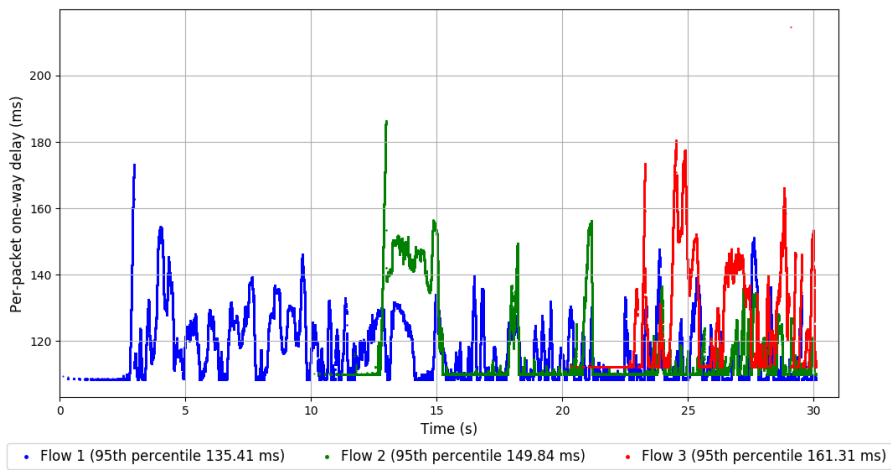
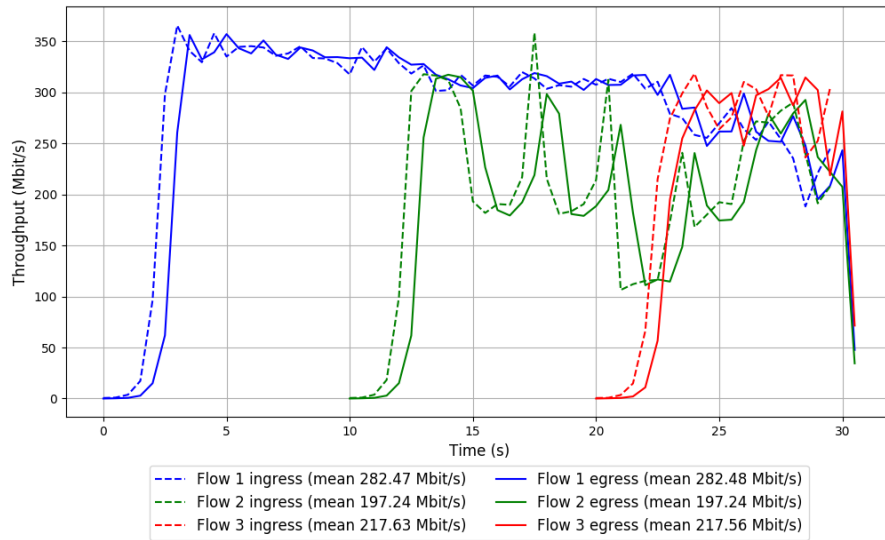


Run 5: Statistics of Copa

Start at: 2019-12-11 10:58:32
End at: 2019-12-11 10:59:02
Local clock offset: -0.06 ms
Remote clock offset: -0.024 ms

```
# Below is generated by plot.py at 2019-12-11 12:11:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 486.02 Mbit/s
95th percentile per-packet one-way delay: 147.643 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 282.48 Mbit/s
95th percentile per-packet one-way delay: 135.413 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 197.24 Mbit/s
95th percentile per-packet one-way delay: 149.836 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 217.56 Mbit/s
95th percentile per-packet one-way delay: 161.311 ms
Loss rate: 0.05%
```

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-12-11 07:53:42

End at: 2019-12-11 07:54:12

Local clock offset: -0.221 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2019-12-11 12:11:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 328.02 Mbit/s

95th percentile per-packet one-way delay: 172.874 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 142.25 Mbit/s

95th percentile per-packet one-way delay: 113.701 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 244.39 Mbit/s

95th percentile per-packet one-way delay: 181.320 ms

Loss rate: 0.04%

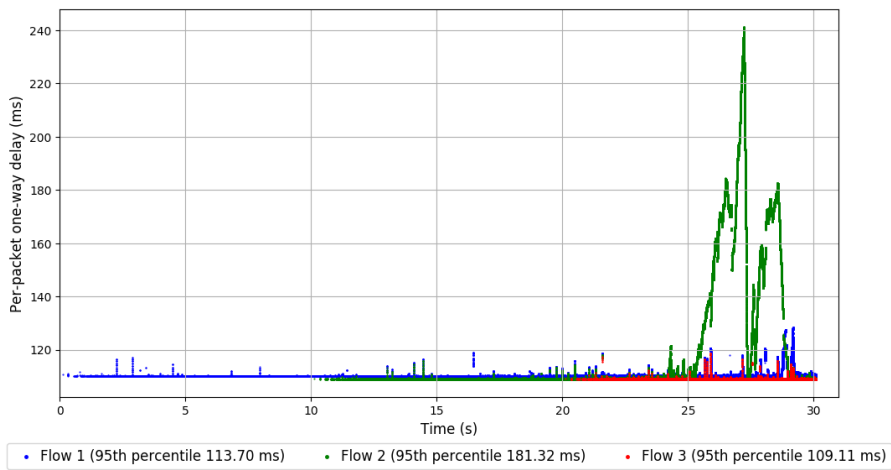
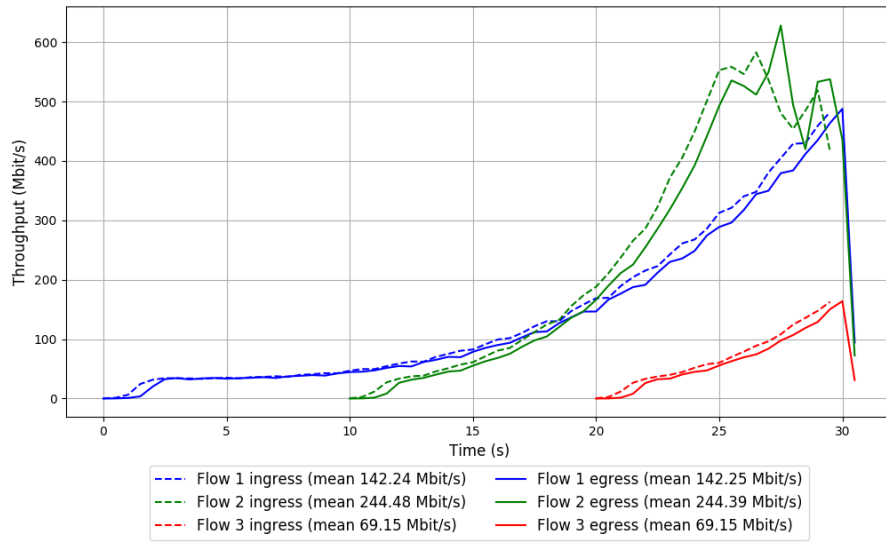
-- Flow 3:

Average throughput: 69.15 Mbit/s

95th percentile per-packet one-way delay: 109.115 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-12-11 08:36:30

End at: 2019-12-11 08:37:00

Local clock offset: -0.08 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2019-12-11 12:11:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 549.25 Mbit/s

95th percentile per-packet one-way delay: 208.346 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 363.45 Mbit/s

95th percentile per-packet one-way delay: 211.866 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 244.52 Mbit/s

95th percentile per-packet one-way delay: 182.134 ms

Loss rate: 0.41%

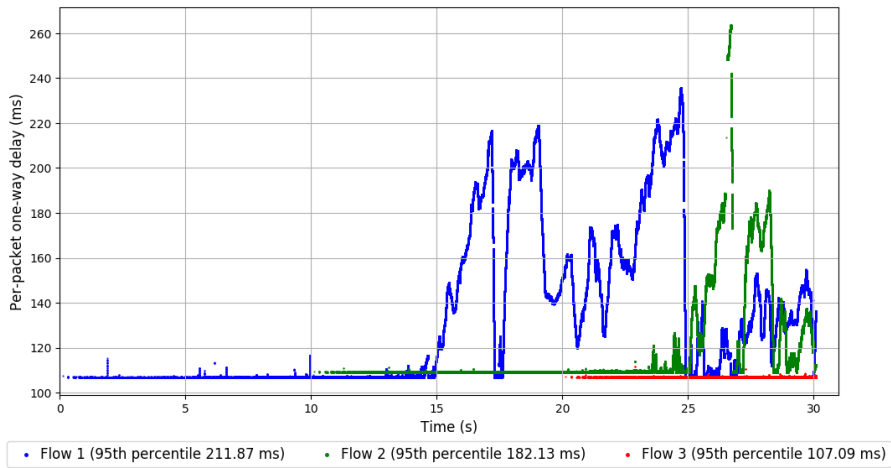
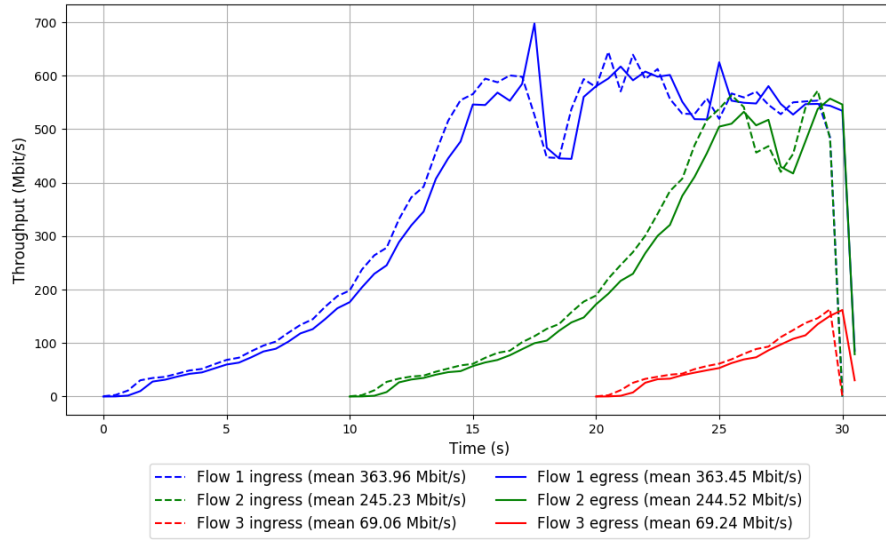
-- Flow 3:

Average throughput: 69.24 Mbit/s

95th percentile per-packet one-way delay: 107.093 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-12-11 09:20:07

End at: 2019-12-11 09:20:37

Local clock offset: -0.079 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2019-12-11 12:11:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 537.08 Mbit/s

95th percentile per-packet one-way delay: 155.487 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 255.49 Mbit/s

95th percentile per-packet one-way delay: 112.701 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 388.06 Mbit/s

95th percentile per-packet one-way delay: 178.828 ms

Loss rate: 0.21%

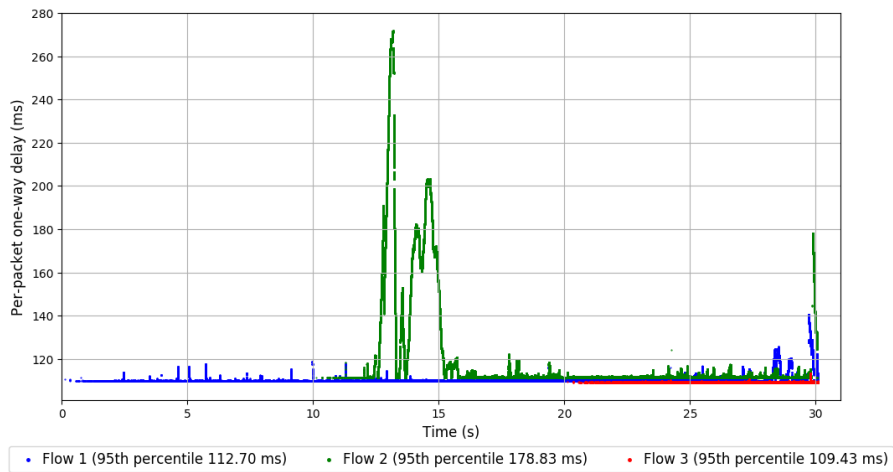
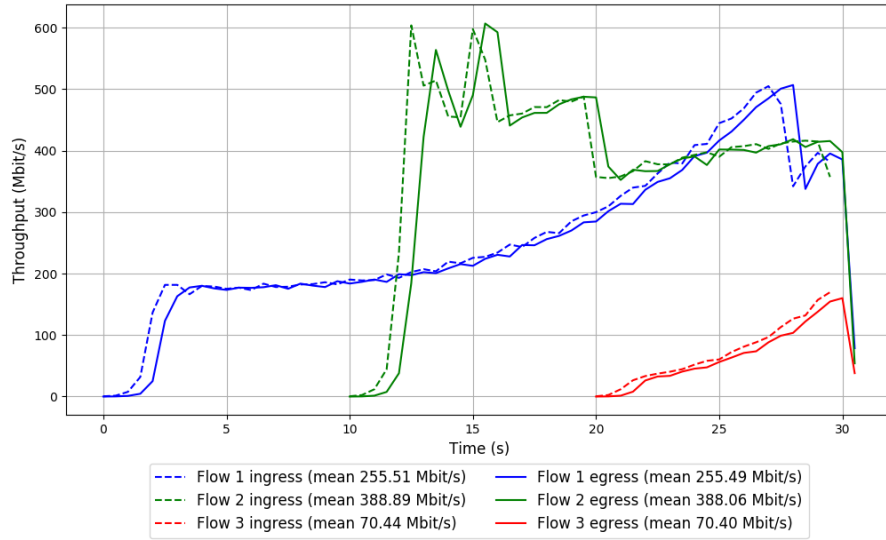
-- Flow 3:

Average throughput: 70.40 Mbit/s

95th percentile per-packet one-way delay: 109.431 ms

Loss rate: 0.07%

Run 3: Report of TCP Cubic — Data Link

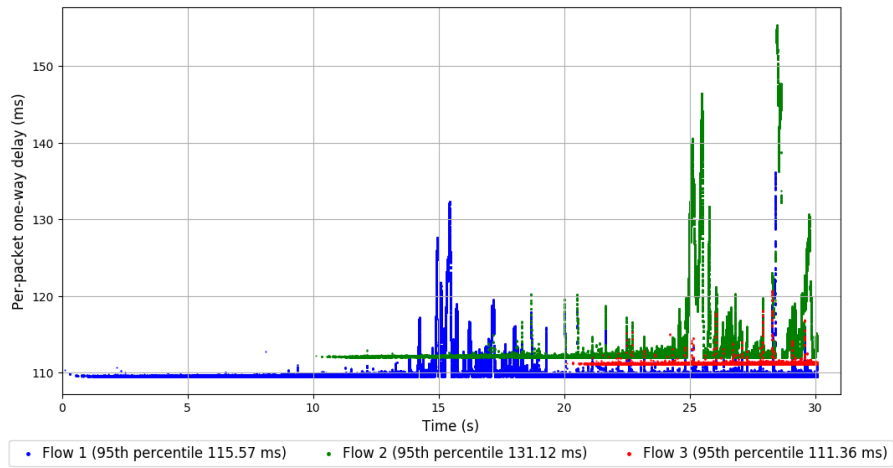
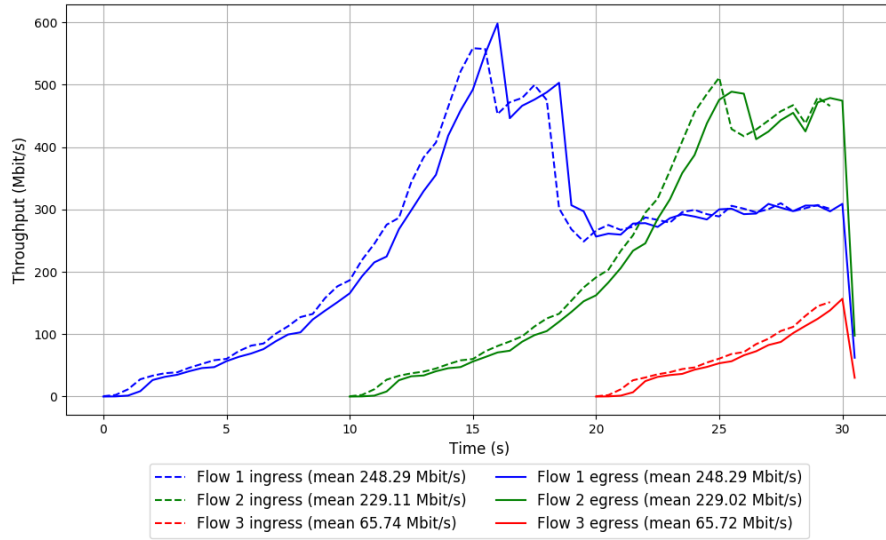


Run 4: Statistics of TCP Cubic

Start at: 2019-12-11 10:03:23
End at: 2019-12-11 10:03:53
Local clock offset: 0.017 ms
Remote clock offset: -0.033 ms

```
# Below is generated by plot.py at 2019-12-11 12:11:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 422.68 Mbit/s
95th percentile per-packet one-way delay: 121.203 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 248.29 Mbit/s
95th percentile per-packet one-way delay: 115.573 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 229.02 Mbit/s
95th percentile per-packet one-way delay: 131.123 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 65.72 Mbit/s
95th percentile per-packet one-way delay: 111.364 ms
Loss rate: 0.05%
```

Run 4: Report of TCP Cubic — Data Link

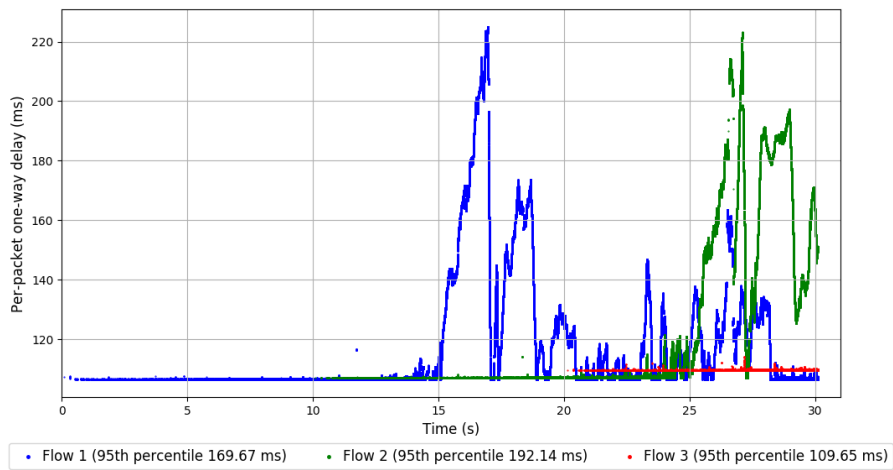
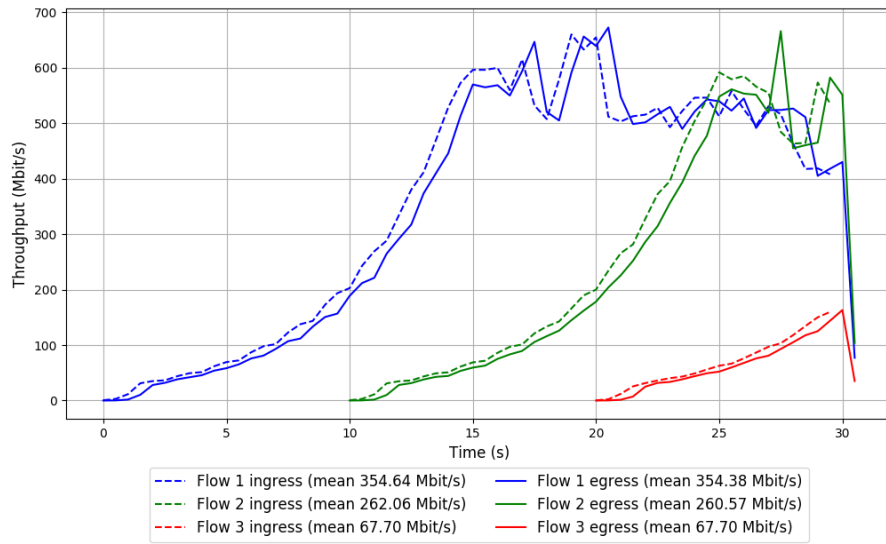


Run 5: Statistics of TCP Cubic

Start at: 2019-12-11 10:45:39
End at: 2019-12-11 10:46:09
Local clock offset: -0.122 ms
Remote clock offset: -0.025 ms

```
# Below is generated by plot.py at 2019-12-11 12:11:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 550.47 Mbit/s
95th percentile per-packet one-way delay: 187.389 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 354.38 Mbit/s
95th percentile per-packet one-way delay: 169.674 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 260.57 Mbit/s
95th percentile per-packet one-way delay: 192.142 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 67.70 Mbit/s
95th percentile per-packet one-way delay: 109.651 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-12-11 08:13:12

End at: 2019-12-11 08:13:42

Local clock offset: -0.181 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2019-12-11 12:20:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 811.78 Mbit/s

95th percentile per-packet one-way delay: 158.316 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 490.67 Mbit/s

95th percentile per-packet one-way delay: 165.623 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 355.16 Mbit/s

95th percentile per-packet one-way delay: 110.176 ms

Loss rate: 0.00%

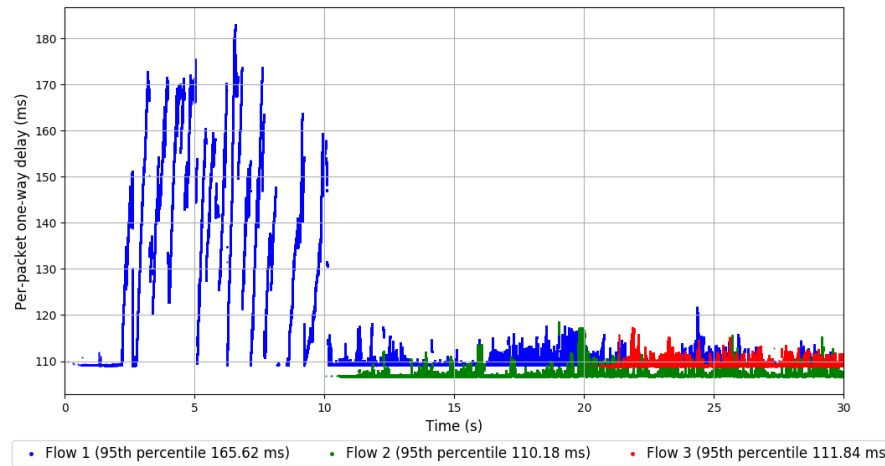
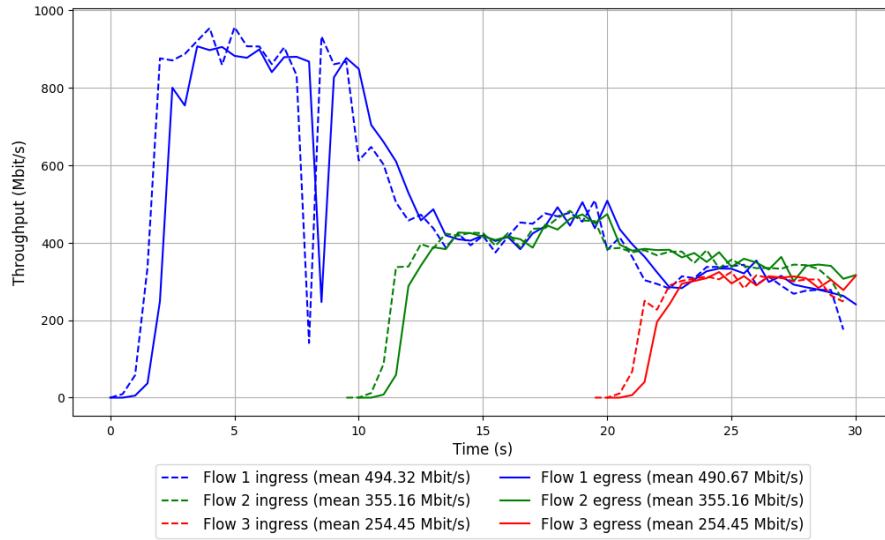
-- Flow 3:

Average throughput: 254.45 Mbit/s

95th percentile per-packet one-way delay: 111.837 ms

Loss rate: 0.00%

Run 1: Report of FillP — Data Link

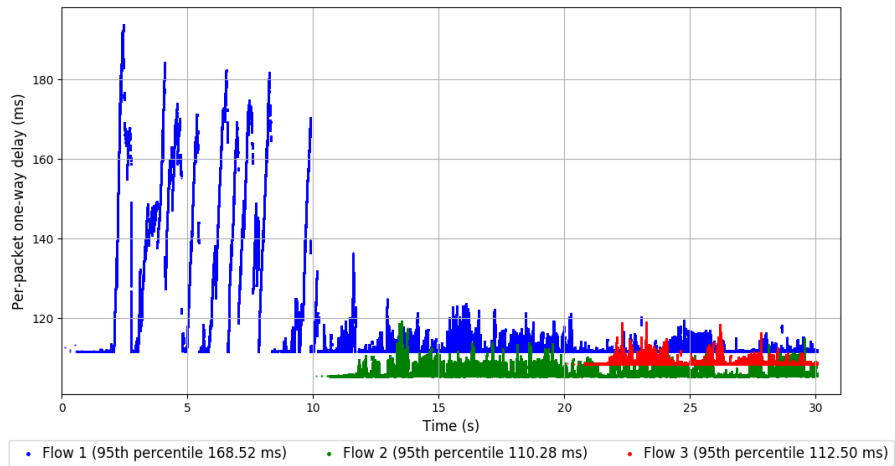
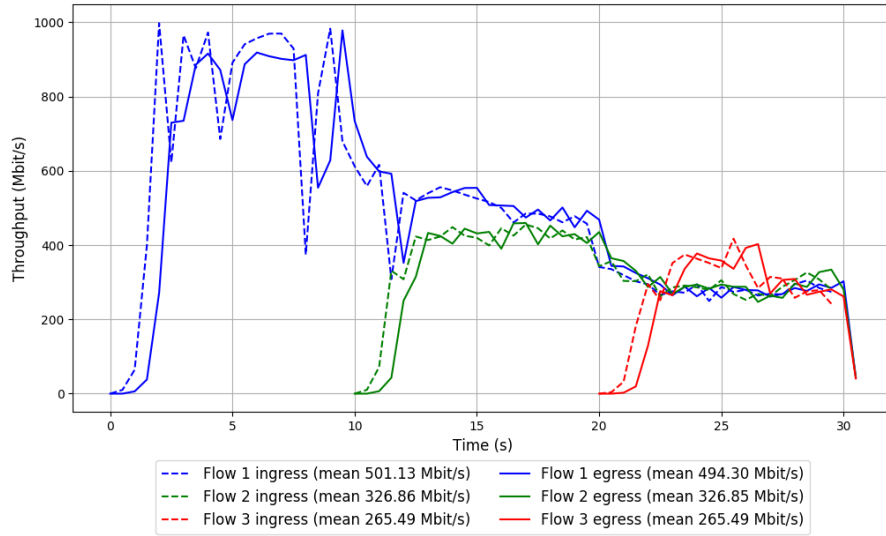


Run 2: Statistics of FillP

Start at: 2019-12-11 08:56:49
End at: 2019-12-11 08:57:19
Local clock offset: 0.19 ms
Remote clock offset: -0.447 ms

```
# Below is generated by plot.py at 2019-12-11 12:20:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 799.82 Mbit/s
95th percentile per-packet one-way delay: 164.679 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 494.30 Mbit/s
95th percentile per-packet one-way delay: 168.522 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 326.85 Mbit/s
95th percentile per-packet one-way delay: 110.284 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 265.49 Mbit/s
95th percentile per-packet one-way delay: 112.505 ms
Loss rate: 0.00%
```

Run 2: Report of FillP — Data Link

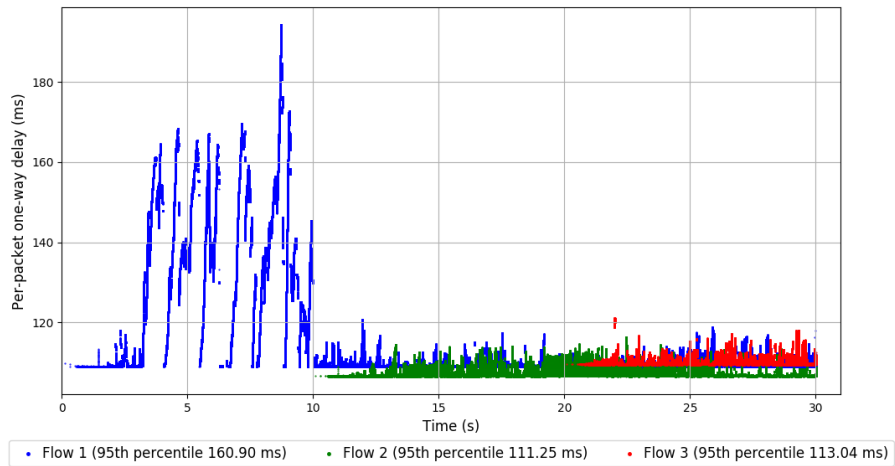
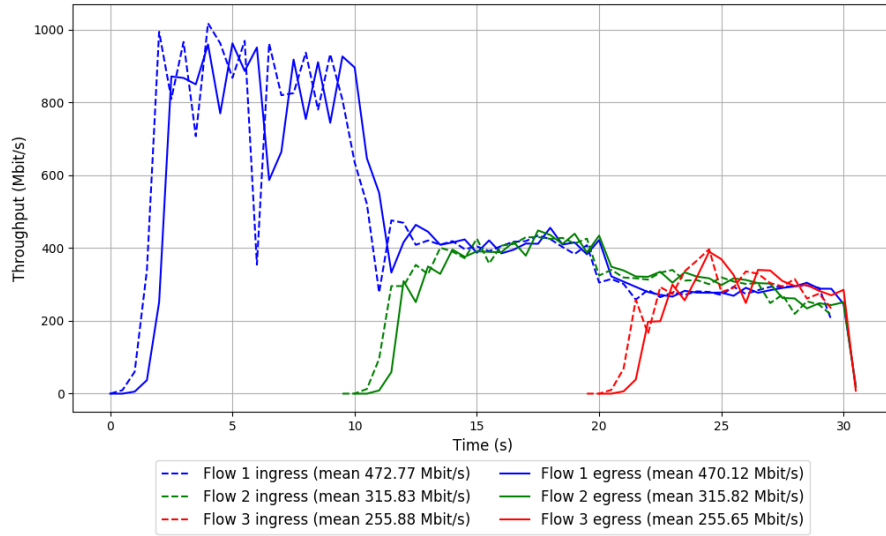


Run 3: Statistics of FillP

Start at: 2019-12-11 09:40:09
End at: 2019-12-11 09:40:39
Local clock offset: 0.198 ms
Remote clock offset: -0.021 ms

```
# Below is generated by plot.py at 2019-12-11 12:23:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 765.53 Mbit/s
95th percentile per-packet one-way delay: 155.296 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 470.12 Mbit/s
95th percentile per-packet one-way delay: 160.899 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 315.82 Mbit/s
95th percentile per-packet one-way delay: 111.249 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 255.65 Mbit/s
95th percentile per-packet one-way delay: 113.043 ms
Loss rate: 0.10%
```

Run 3: Report of FillP — Data Link

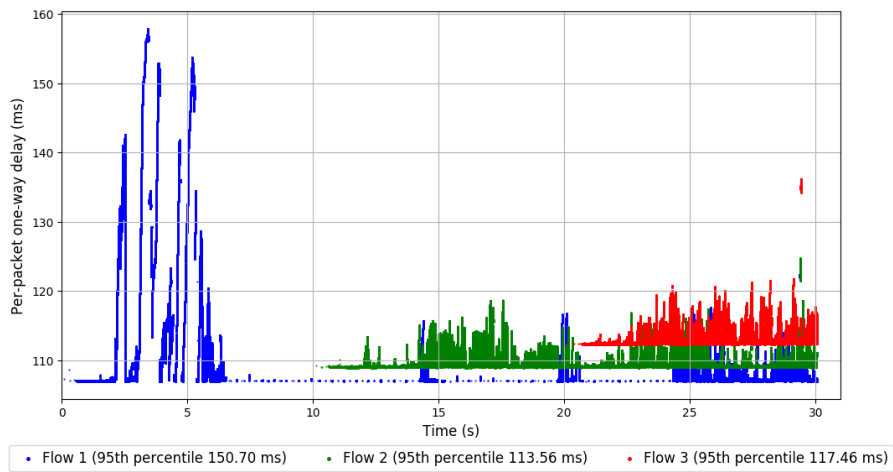
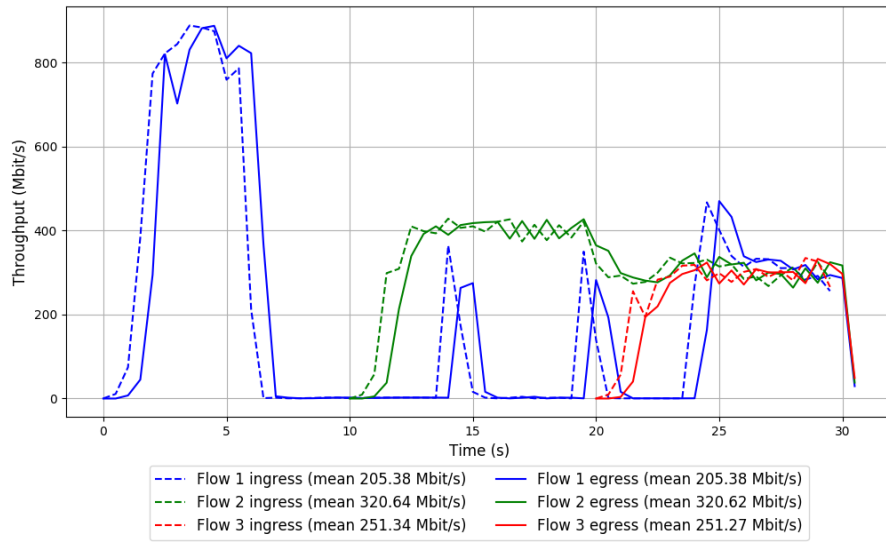


Run 4: Statistics of FillP

Start at: 2019-12-11 10:22:35
End at: 2019-12-11 10:23:05
Local clock offset: -0.265 ms
Remote clock offset: -0.058 ms

```
# Below is generated by plot.py at 2019-12-11 12:23:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 501.99 Mbit/s
95th percentile per-packet one-way delay: 135.487 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.38 Mbit/s
95th percentile per-packet one-way delay: 150.703 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 320.62 Mbit/s
95th percentile per-packet one-way delay: 113.561 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 251.27 Mbit/s
95th percentile per-packet one-way delay: 117.461 ms
Loss rate: 0.00%
```

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-12-11 11:05:21

End at: 2019-12-11 11:05:51

Local clock offset: -0.005 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2019-12-11 12:24:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 793.68 Mbit/s

95th percentile per-packet one-way delay: 164.805 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 504.21 Mbit/s

95th percentile per-packet one-way delay: 168.330 ms

Loss rate: 1.76%

-- Flow 2:

Average throughput: 332.94 Mbit/s

95th percentile per-packet one-way delay: 114.006 ms

Loss rate: 0.00%

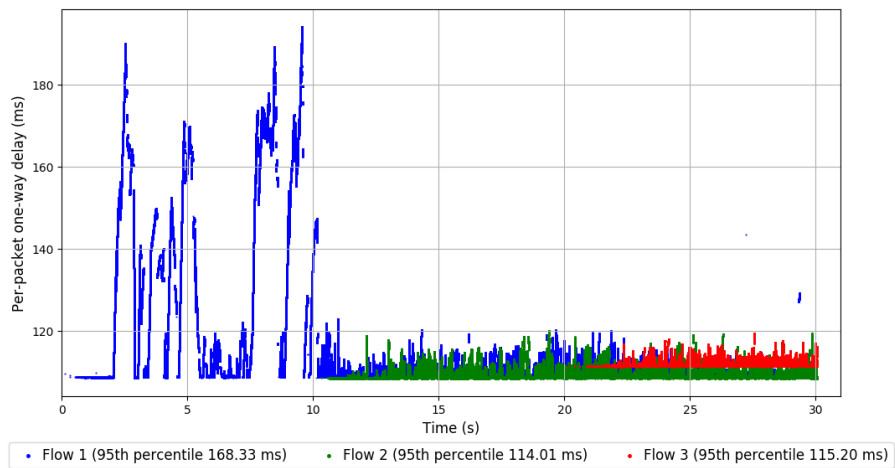
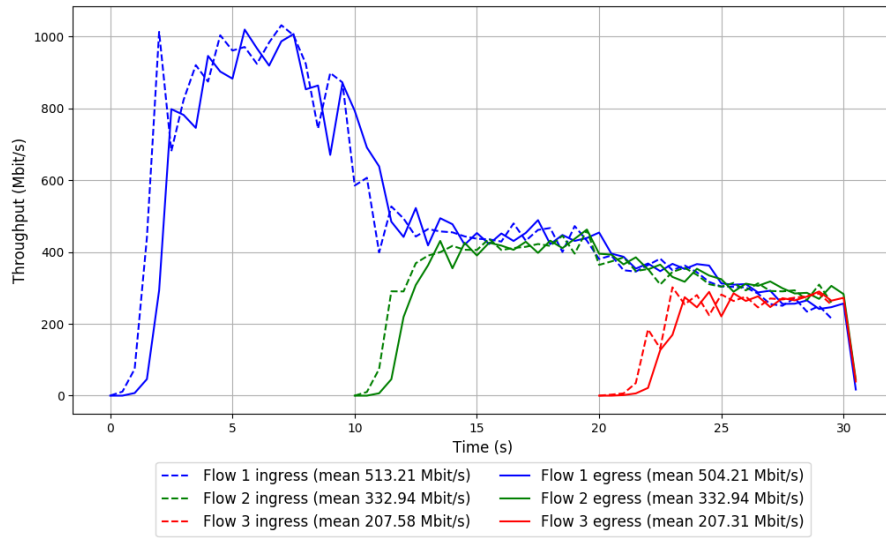
-- Flow 3:

Average throughput: 207.31 Mbit/s

95th percentile per-packet one-way delay: 115.205 ms

Loss rate: 0.15%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-12-11 07:41:25

End at: 2019-12-11 07:41:55

Local clock offset: -0.196 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2019-12-11 12:24:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 457.37 Mbit/s

95th percentile per-packet one-way delay: 116.076 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 179.55 Mbit/s

95th percentile per-packet one-way delay: 108.664 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 314.11 Mbit/s

95th percentile per-packet one-way delay: 110.391 ms

Loss rate: 0.00%

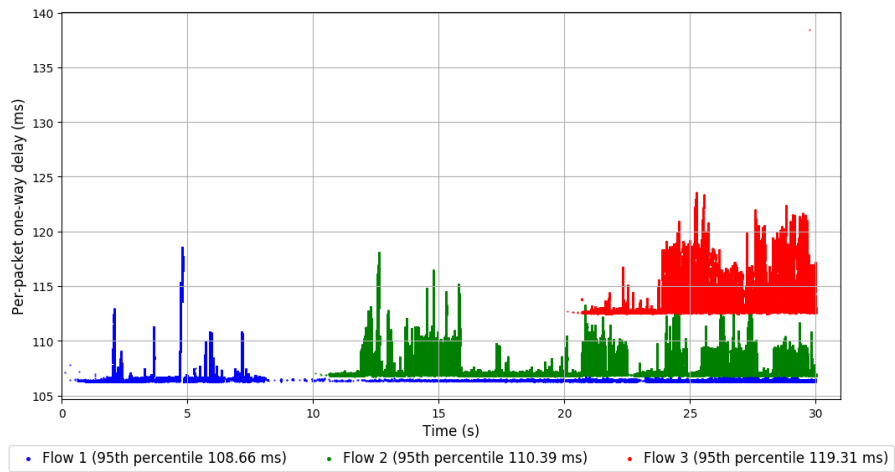
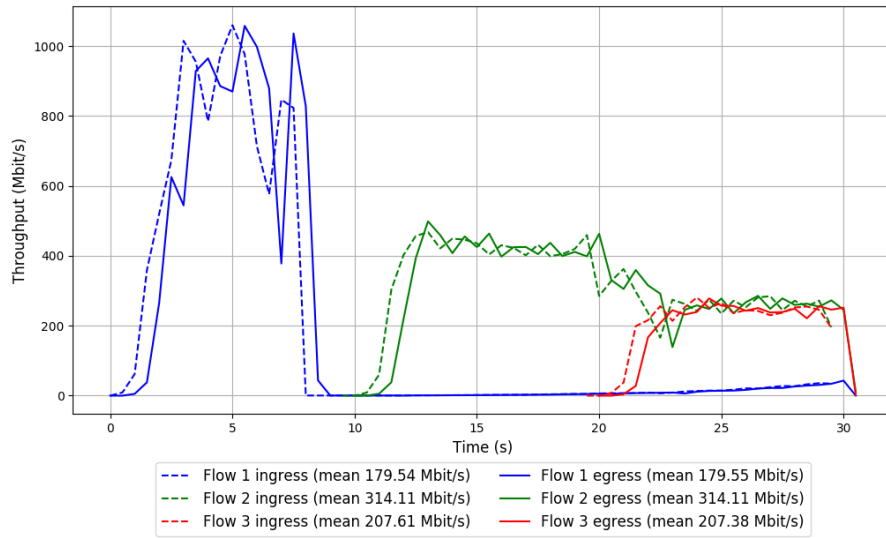
-- Flow 3:

Average throughput: 207.38 Mbit/s

95th percentile per-packet one-way delay: 119.312 ms

Loss rate: 0.14%

Run 1: Report of FillP-Sheep — Data Link

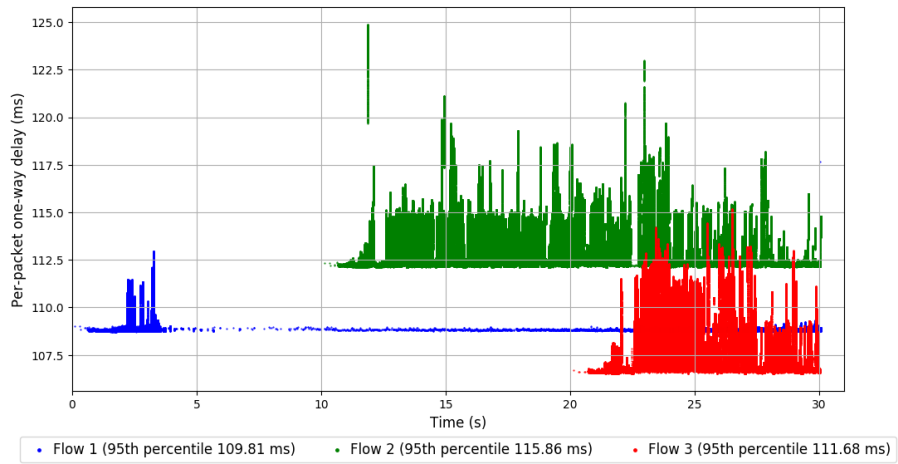
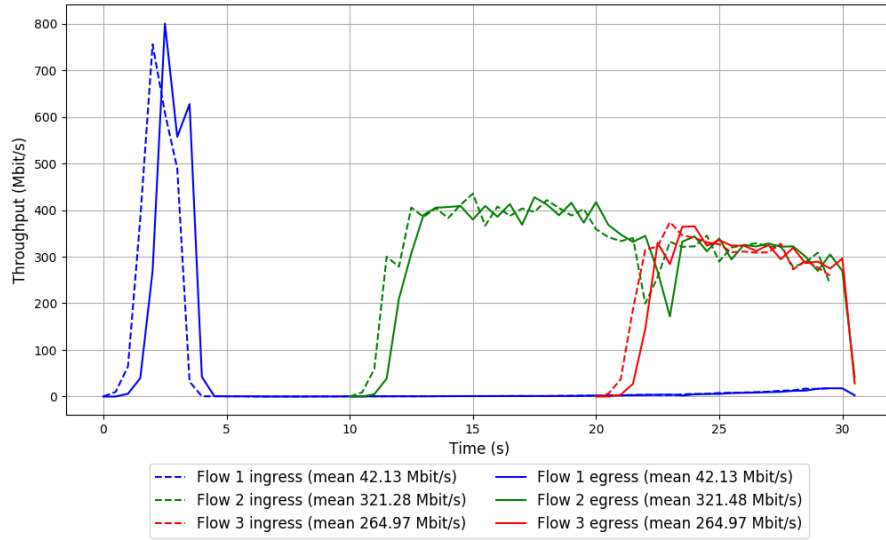


Run 2: Statistics of FillP-Sheep

Start at: 2019-12-11 08:24:05
End at: 2019-12-11 08:24:35
Local clock offset: -0.05 ms
Remote clock offset: -0.007 ms

```
# Below is generated by plot.py at 2019-12-11 12:24:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 343.77 Mbit/s
95th percentile per-packet one-way delay: 115.236 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.13 Mbit/s
95th percentile per-packet one-way delay: 109.815 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 321.48 Mbit/s
95th percentile per-packet one-way delay: 115.856 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 264.97 Mbit/s
95th percentile per-packet one-way delay: 111.677 ms
Loss rate: 0.00%
```

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-12-11 09:07:46

End at: 2019-12-11 09:08:16

Local clock offset: -0.0 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2019-12-11 12:24:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.30 Mbit/s

95th percentile per-packet one-way delay: 122.882 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 61.57 Mbit/s

95th percentile per-packet one-way delay: 158.108 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 299.39 Mbit/s

95th percentile per-packet one-way delay: 111.977 ms

Loss rate: 0.00%

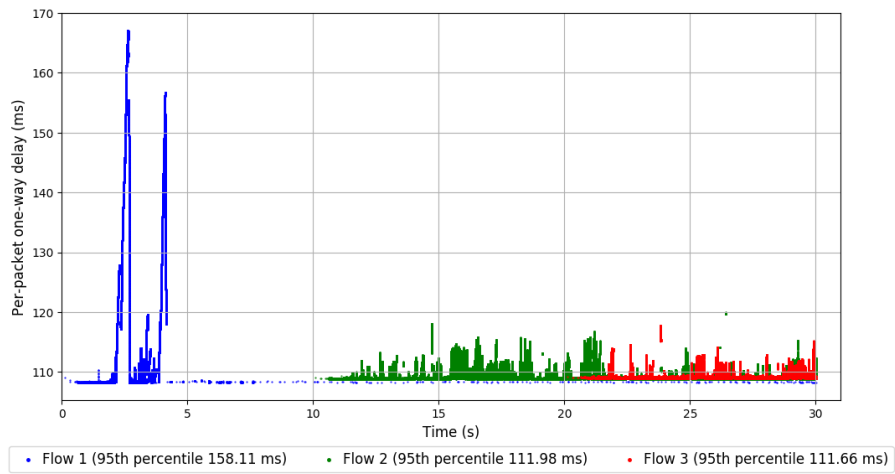
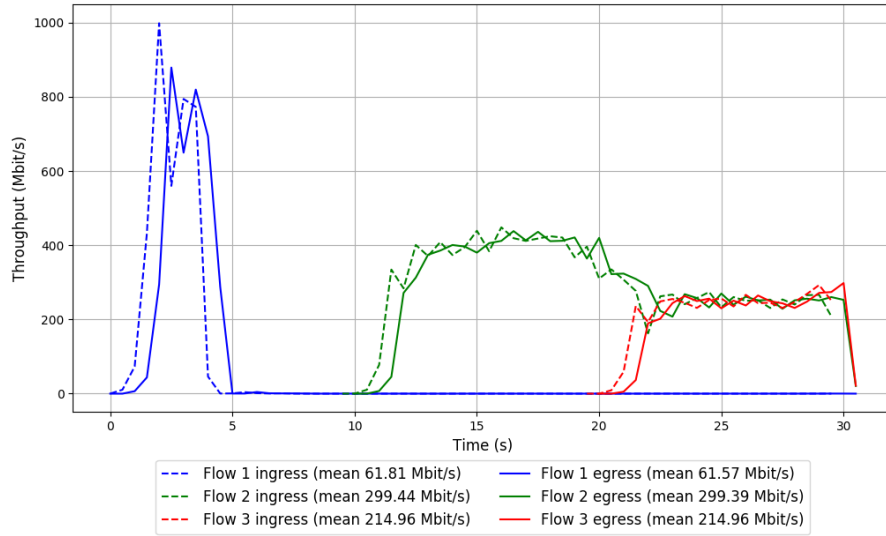
-- Flow 3:

Average throughput: 214.96 Mbit/s

95th percentile per-packet one-way delay: 111.655 ms

Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-12-11 09:51:05

End at: 2019-12-11 09:51:35

Local clock offset: -0.084 ms

Remote clock offset: 0.316 ms

Below is generated by plot.py at 2019-12-11 12:24:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 307.94 Mbit/s

95th percentile per-packet one-way delay: 114.552 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.02 Mbit/s

95th percentile per-packet one-way delay: 130.208 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 305.37 Mbit/s

95th percentile per-packet one-way delay: 109.909 ms

Loss rate: 0.00%

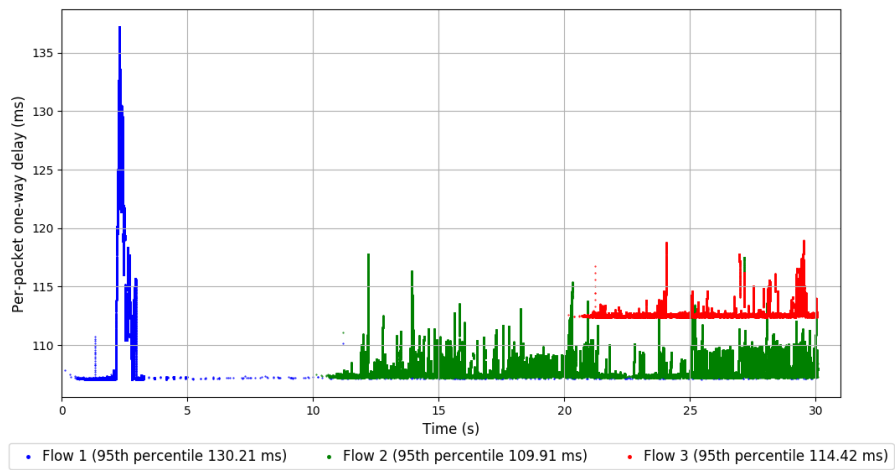
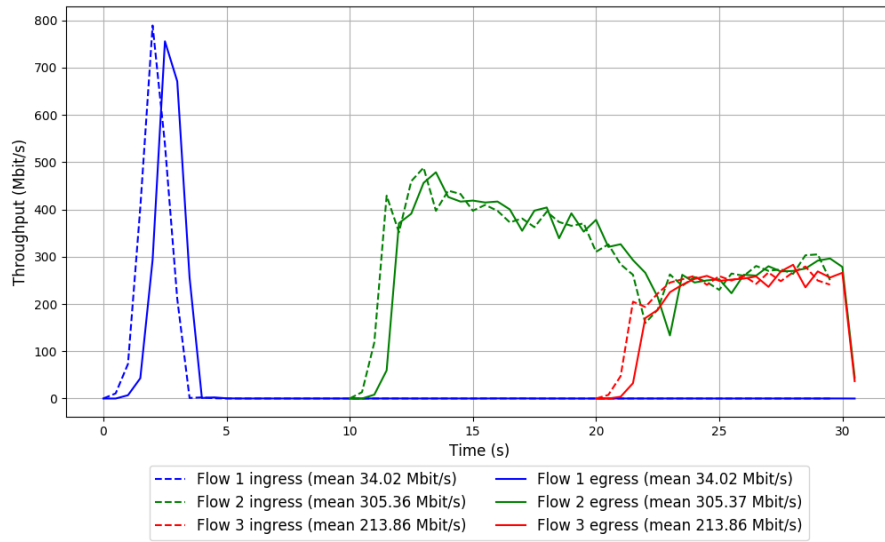
-- Flow 3:

Average throughput: 213.86 Mbit/s

95th percentile per-packet one-way delay: 114.418 ms

Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-12-11 10:33:21

End at: 2019-12-11 10:33:51

Local clock offset: -0.221 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2019-12-11 12:37:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 749.01 Mbit/s

95th percentile per-packet one-way delay: 148.374 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 468.76 Mbit/s

95th percentile per-packet one-way delay: 151.268 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 312.21 Mbit/s

95th percentile per-packet one-way delay: 112.587 ms

Loss rate: 0.00%

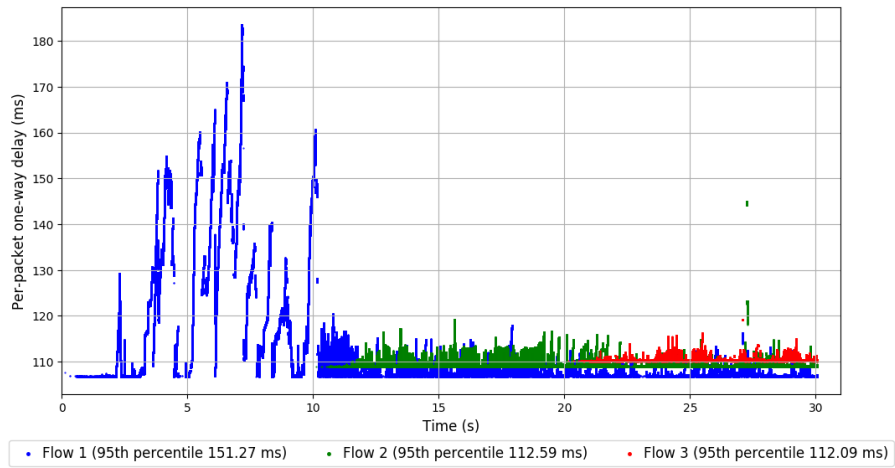
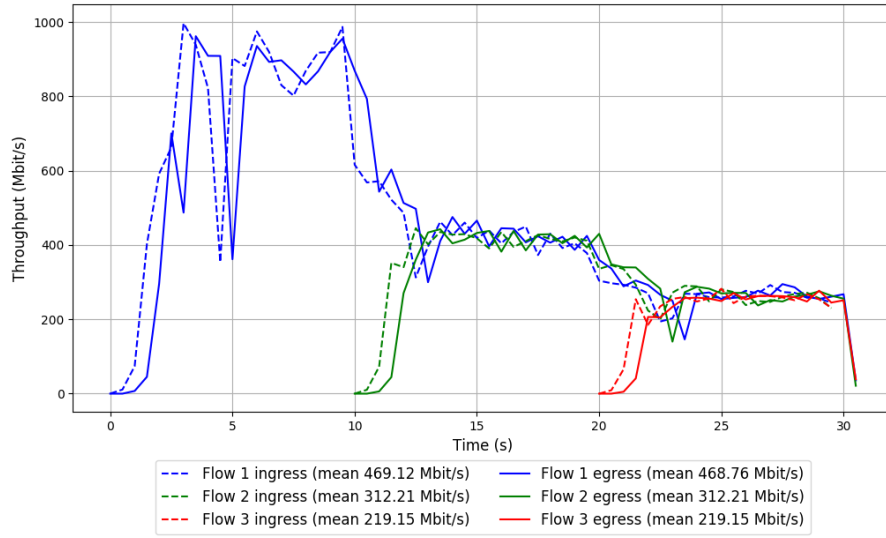
-- Flow 3:

Average throughput: 219.15 Mbit/s

95th percentile per-packet one-way delay: 112.094 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-12-11 08:15:06

End at: 2019-12-11 08:15:36

Local clock offset: -0.228 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2019-12-11 12:37:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 295.51 Mbit/s

95th percentile per-packet one-way delay: 109.303 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 152.73 Mbit/s

95th percentile per-packet one-way delay: 107.786 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 151.42 Mbit/s

95th percentile per-packet one-way delay: 107.980 ms

Loss rate: 0.00%

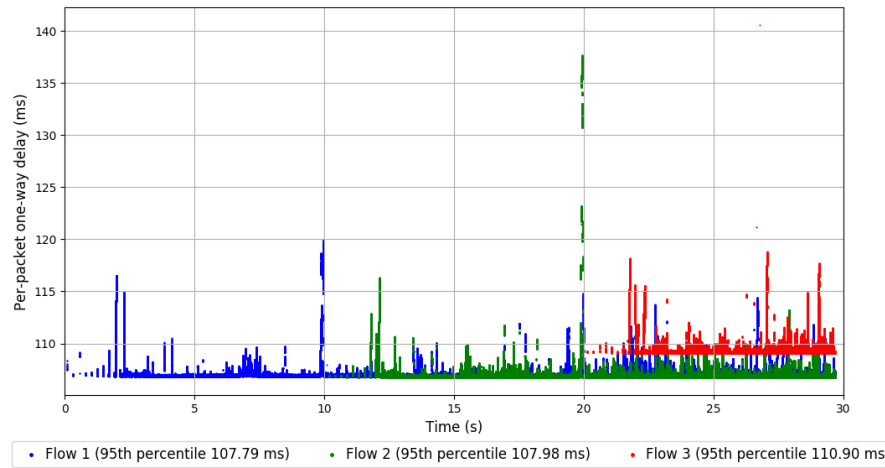
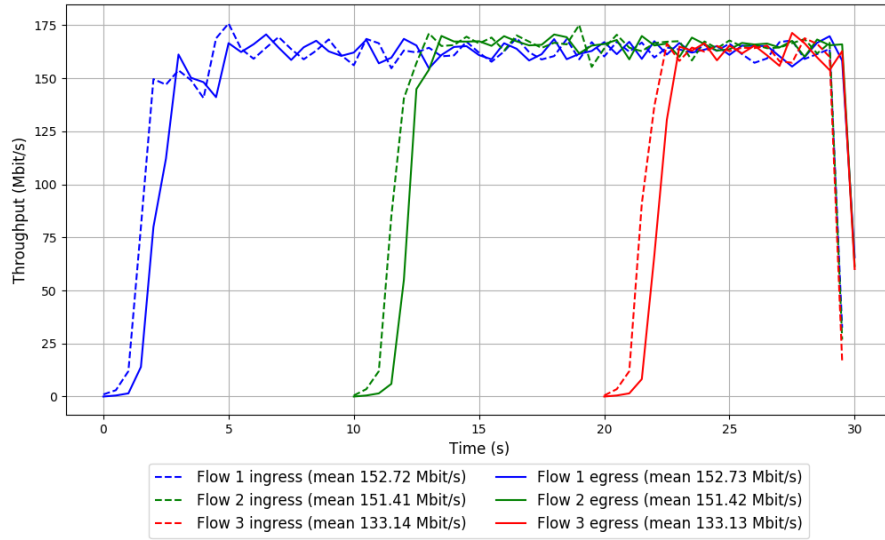
-- Flow 3:

Average throughput: 133.13 Mbit/s

95th percentile per-packet one-way delay: 110.900 ms

Loss rate: 0.02%

Run 1: Report of Indigo — Data Link

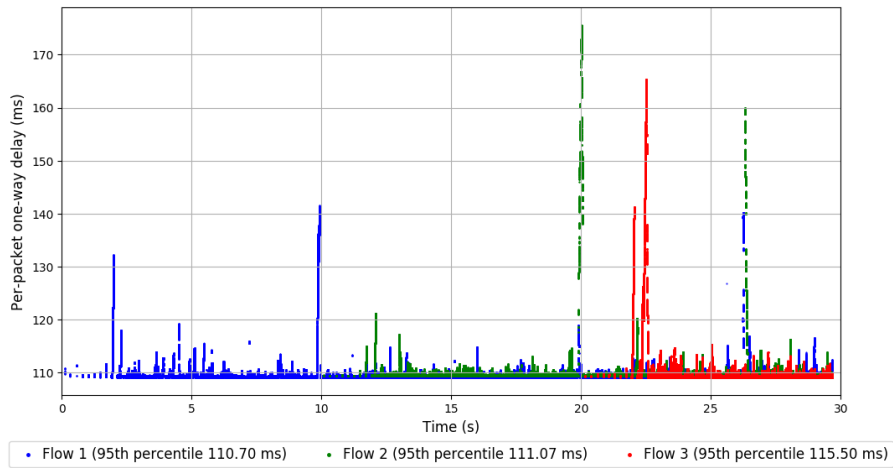
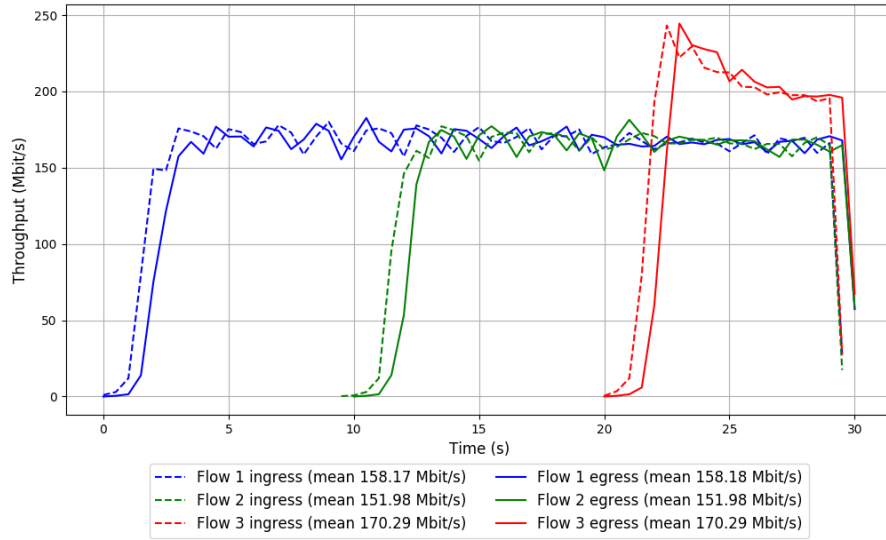


Run 2: Statistics of Indigo

Start at: 2019-12-11 08:58:43
End at: 2019-12-11 08:59:13
Local clock offset: -0.204 ms
Remote clock offset: -0.068 ms

```
# Below is generated by plot.py at 2019-12-11 12:37:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 313.57 Mbit/s
95th percentile per-packet one-way delay: 111.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 158.18 Mbit/s
95th percentile per-packet one-way delay: 110.696 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 151.98 Mbit/s
95th percentile per-packet one-way delay: 111.066 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 170.29 Mbit/s
95th percentile per-packet one-way delay: 115.498 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

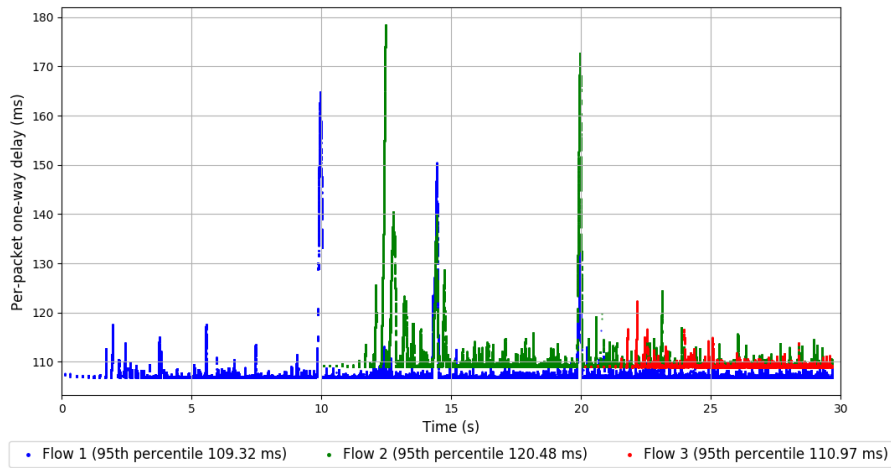
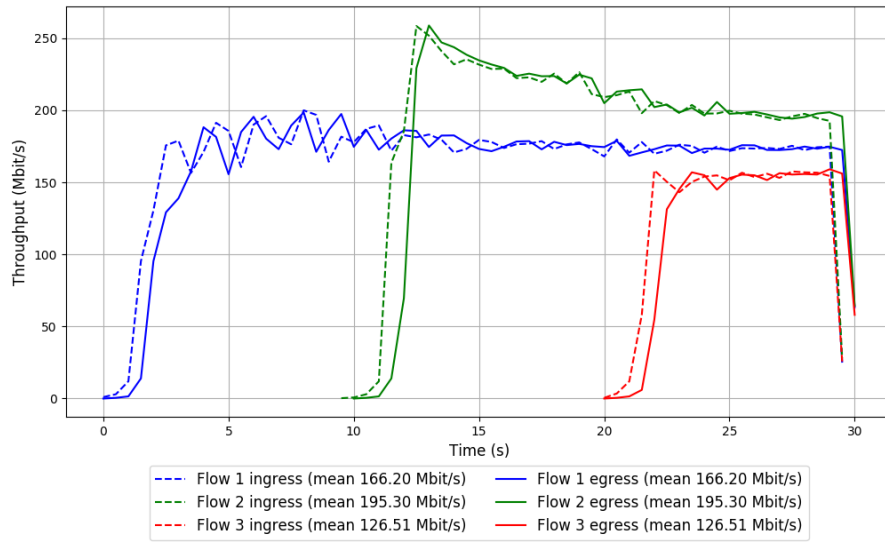


Run 3: Statistics of Indigo

Start at: 2019-12-11 09:42:01
End at: 2019-12-11 09:42:31
Local clock offset: -0.166 ms
Remote clock offset: -0.027 ms

```
# Below is generated by plot.py at 2019-12-11 12:37:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 336.18 Mbit/s
95th percentile per-packet one-way delay: 113.399 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.20 Mbit/s
95th percentile per-packet one-way delay: 109.316 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 195.30 Mbit/s
95th percentile per-packet one-way delay: 120.482 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 126.51 Mbit/s
95th percentile per-packet one-way delay: 110.972 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-12-11 10:24:18

End at: 2019-12-11 10:24:48

Local clock offset: -0.184 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2019-12-11 12:37:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 314.38 Mbit/s

95th percentile per-packet one-way delay: 111.347 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 169.90 Mbit/s

95th percentile per-packet one-way delay: 109.507 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 151.97 Mbit/s

95th percentile per-packet one-way delay: 112.437 ms

Loss rate: 0.00%

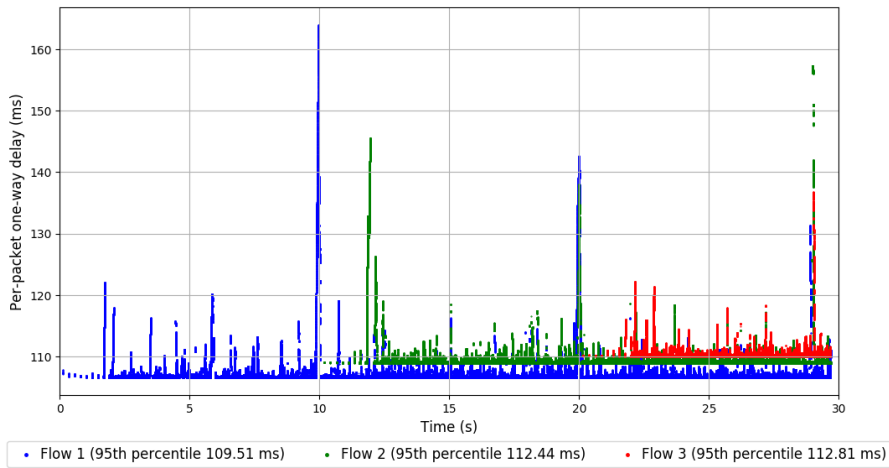
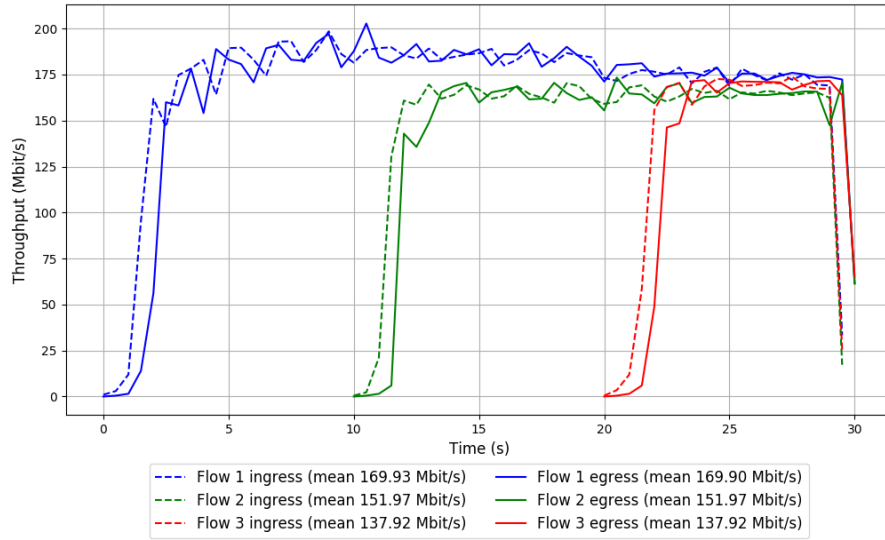
-- Flow 3:

Average throughput: 137.92 Mbit/s

95th percentile per-packet one-way delay: 112.812 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

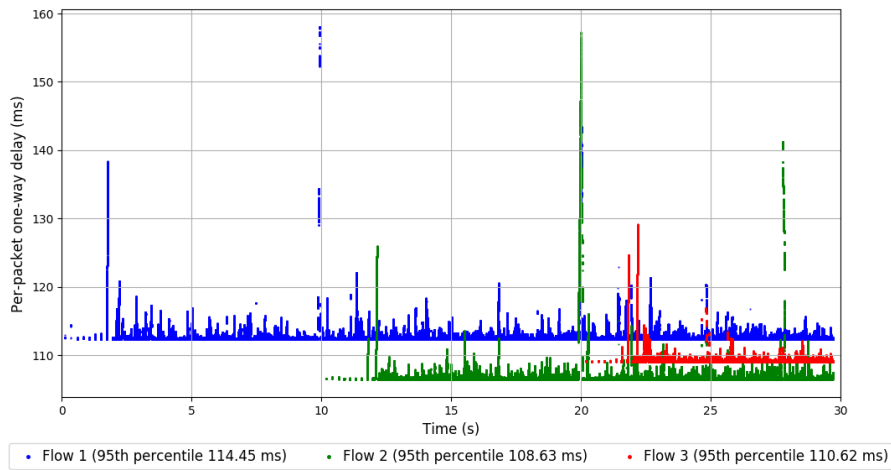
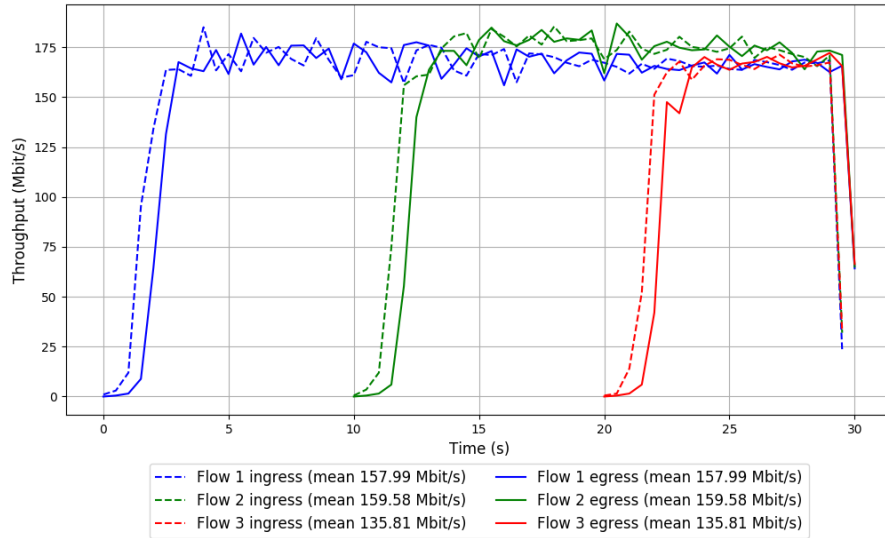


Run 5: Statistics of Indigo

Start at: 2019-12-11 11:07:15
End at: 2019-12-11 11:07:45
Local clock offset: 0.036 ms
Remote clock offset: -0.049 ms

```
# Below is generated by plot.py at 2019-12-11 12:37:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 306.78 Mbit/s
95th percentile per-packet one-way delay: 113.733 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 157.99 Mbit/s
95th percentile per-packet one-way delay: 114.455 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 159.58 Mbit/s
95th percentile per-packet one-way delay: 108.634 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 135.81 Mbit/s
95th percentile per-packet one-way delay: 110.621 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

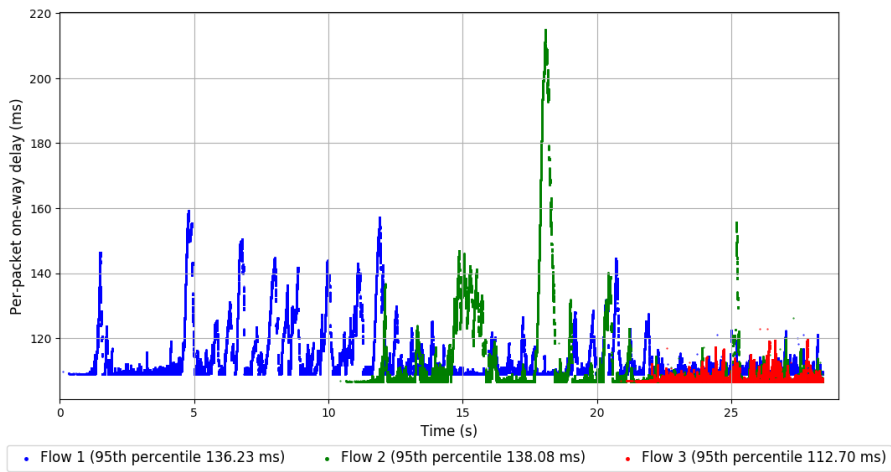
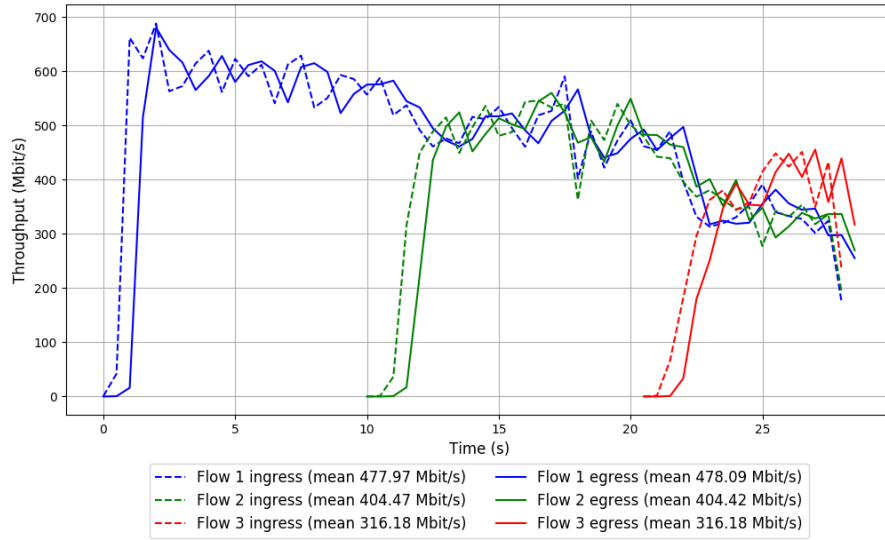


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-12-11 08:20:49
End at: 2019-12-11 08:21:19
Local clock offset: -0.052 ms
Remote clock offset: -0.021 ms

```
# Below is generated by plot.py at 2019-12-11 12:39:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 818.80 Mbit/s
95th percentile per-packet one-way delay: 135.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 478.09 Mbit/s
95th percentile per-packet one-way delay: 136.233 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 404.42 Mbit/s
95th percentile per-packet one-way delay: 138.078 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 316.18 Mbit/s
95th percentile per-packet one-way delay: 112.702 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesC3 — Data Link

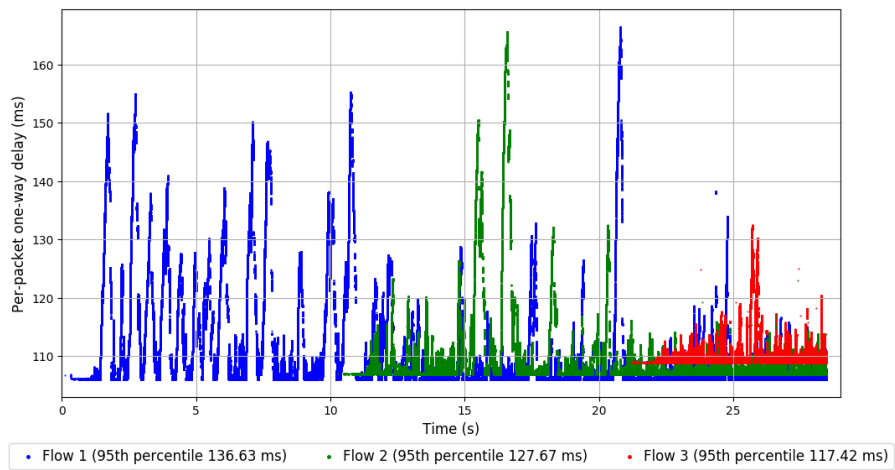
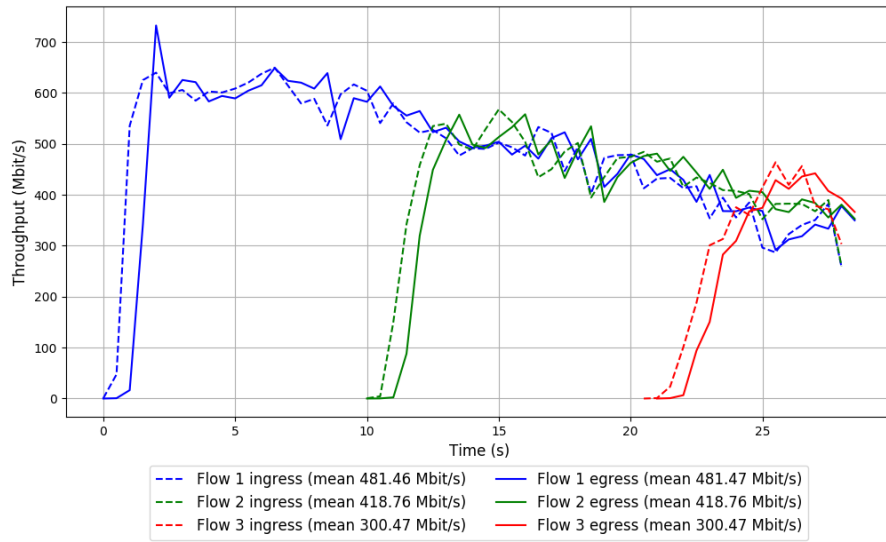


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-12-11 09:04:30
End at: 2019-12-11 09:05:00
Local clock offset: -0.034 ms
Remote clock offset: -0.054 ms

```
# Below is generated by plot.py at 2019-12-11 12:39:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 828.89 Mbit/s
95th percentile per-packet one-way delay: 132.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 481.47 Mbit/s
95th percentile per-packet one-way delay: 136.633 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 418.76 Mbit/s
95th percentile per-packet one-way delay: 127.669 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 300.47 Mbit/s
95th percentile per-packet one-way delay: 117.415 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-12-11 09:47:49

End at: 2019-12-11 09:48:19

Local clock offset: -0.028 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2019-12-11 12:45:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 809.24 Mbit/s

95th percentile per-packet one-way delay: 134.691 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 481.23 Mbit/s

95th percentile per-packet one-way delay: 143.512 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 379.07 Mbit/s

95th percentile per-packet one-way delay: 118.525 ms

Loss rate: 0.13%

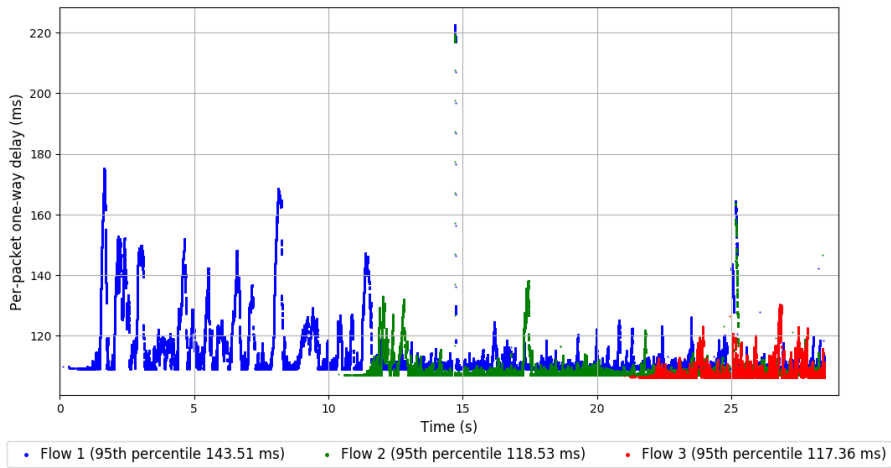
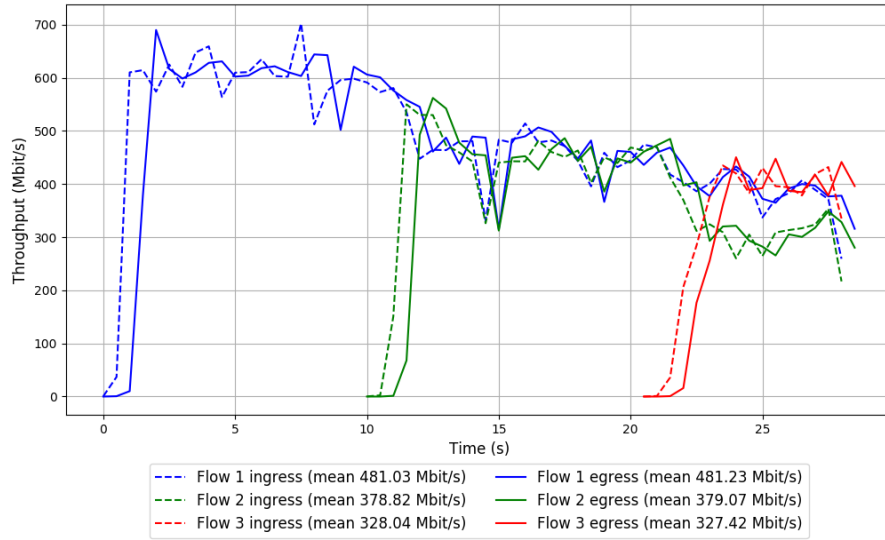
-- Flow 3:

Average throughput: 327.42 Mbit/s

95th percentile per-packet one-way delay: 117.364 ms

Loss rate: 0.65%

Run 3: Report of Indigo-MusesC3 — Data Link

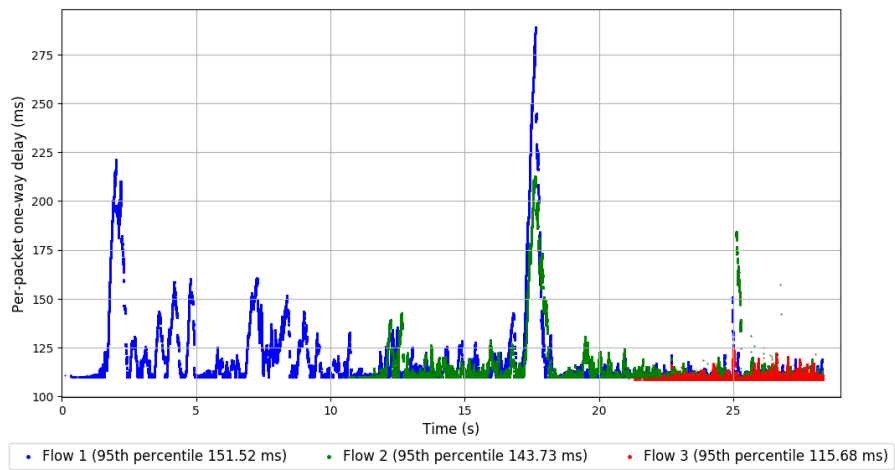
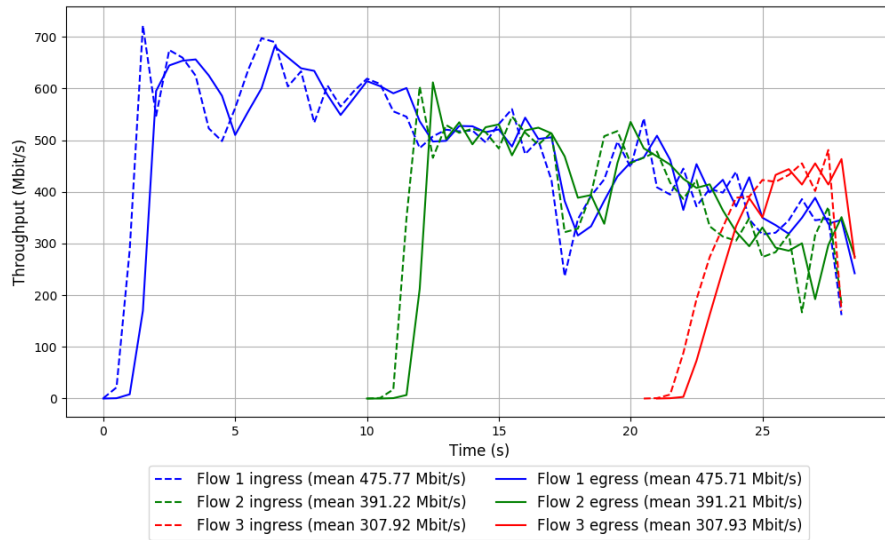


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-12-11 10:30:06
End at: 2019-12-11 10:30:36
Local clock offset: -0.098 ms
Remote clock offset: -0.034 ms

```
# Below is generated by plot.py at 2019-12-11 12:46:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 802.29 Mbit/s
95th percentile per-packet one-way delay: 148.288 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 475.71 Mbit/s
95th percentile per-packet one-way delay: 151.521 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 391.21 Mbit/s
95th percentile per-packet one-way delay: 143.727 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 307.93 Mbit/s
95th percentile per-packet one-way delay: 115.680 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesC3 — Data Link

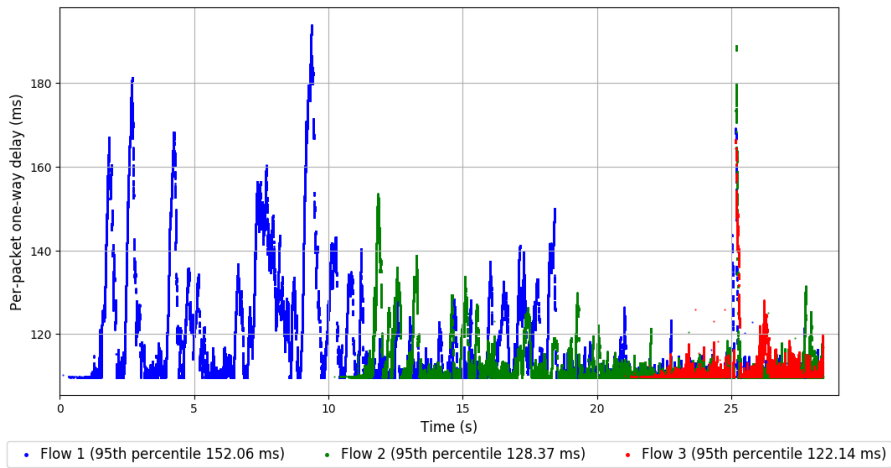
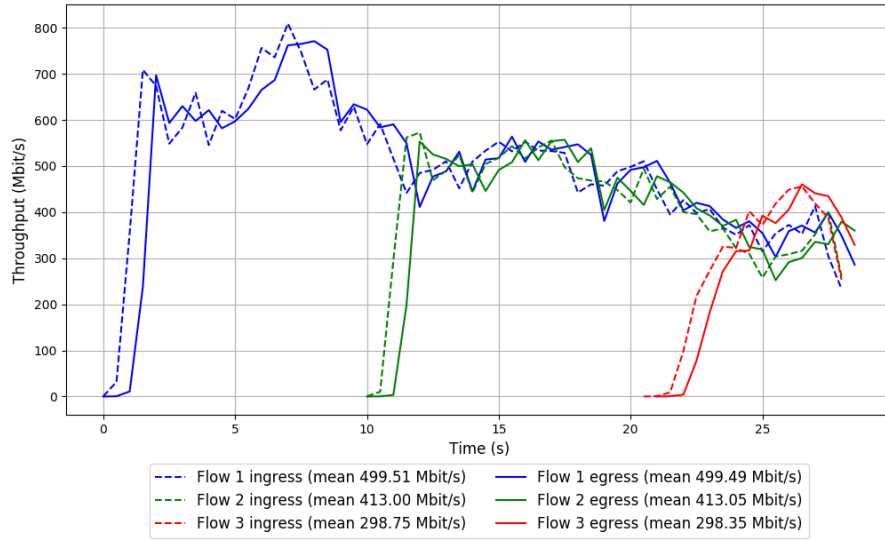


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-12-11 11:13:00
End at: 2019-12-11 11:13:30
Local clock offset: -0.044 ms
Remote clock offset: -0.047 ms

```
# Below is generated by plot.py at 2019-12-11 12:48:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 842.88 Mbit/s
95th percentile per-packet one-way delay: 145.257 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 499.49 Mbit/s
95th percentile per-packet one-way delay: 152.060 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 413.05 Mbit/s
95th percentile per-packet one-way delay: 128.369 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 298.35 Mbit/s
95th percentile per-packet one-way delay: 122.144 ms
Loss rate: 0.16%
```

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-12-11 08:02:12

End at: 2019-12-11 08:02:42

Local clock offset: -0.042 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2019-12-11 12:48:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 739.54 Mbit/s

95th percentile per-packet one-way delay: 147.494 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 453.48 Mbit/s

95th percentile per-packet one-way delay: 150.201 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 404.70 Mbit/s

95th percentile per-packet one-way delay: 144.790 ms

Loss rate: 0.00%

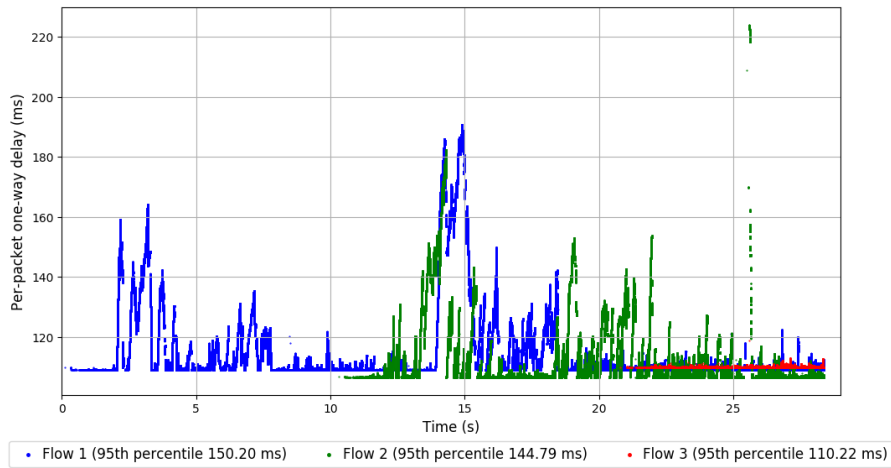
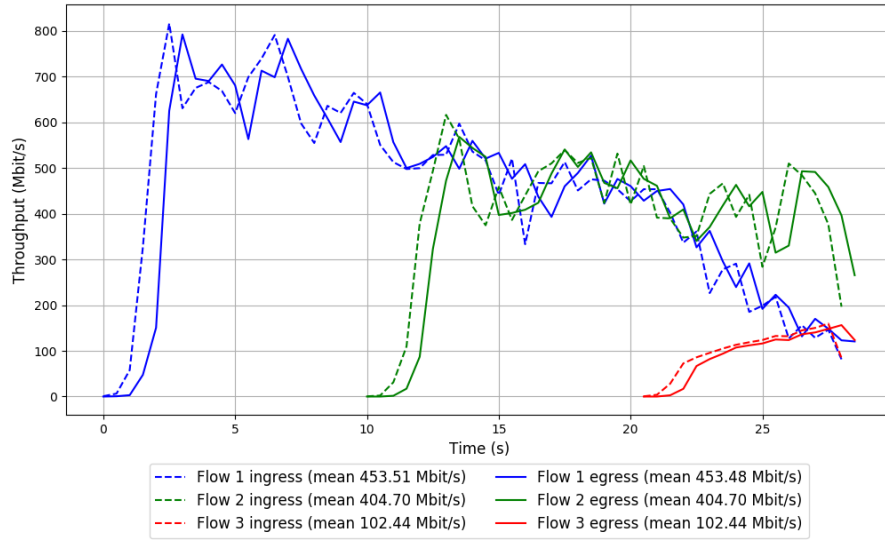
-- Flow 3:

Average throughput: 102.44 Mbit/s

95th percentile per-packet one-way delay: 110.220 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link

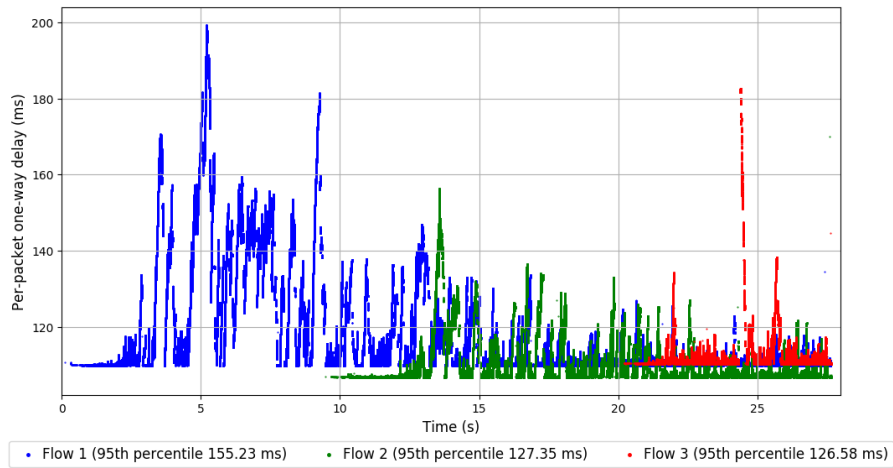
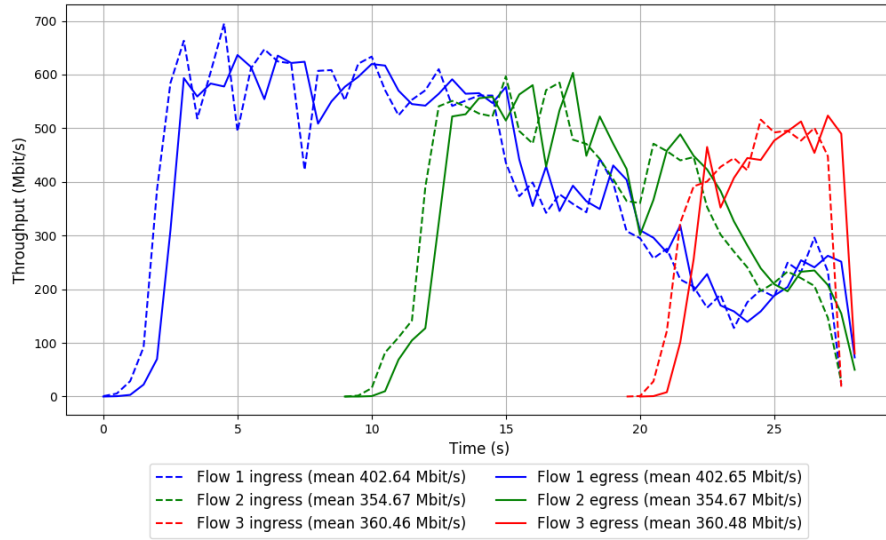


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-12-11 08:45:43
End at: 2019-12-11 08:46:13
Local clock offset: -0.172 ms
Remote clock offset: -0.057 ms

```
# Below is generated by plot.py at 2019-12-11 12:48:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 736.48 Mbit/s
95th percentile per-packet one-way delay: 148.431 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 402.65 Mbit/s
95th percentile per-packet one-way delay: 155.227 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 354.67 Mbit/s
95th percentile per-packet one-way delay: 127.348 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 360.48 Mbit/s
95th percentile per-packet one-way delay: 126.578 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesC5 — Data Link

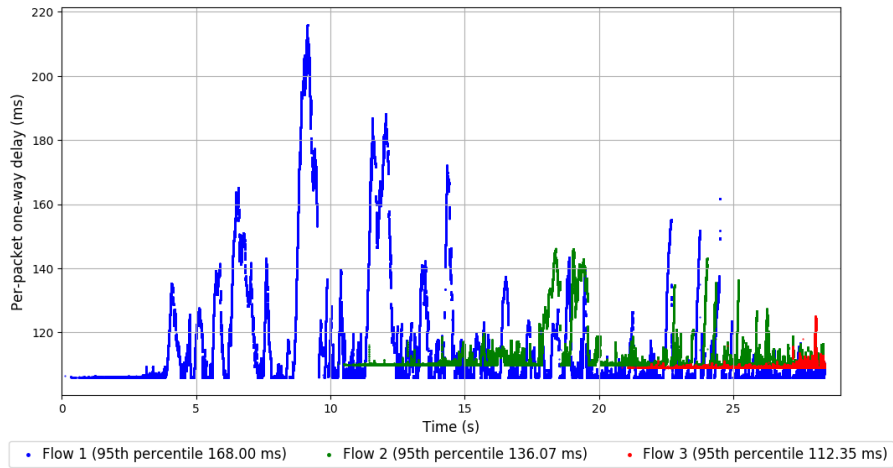
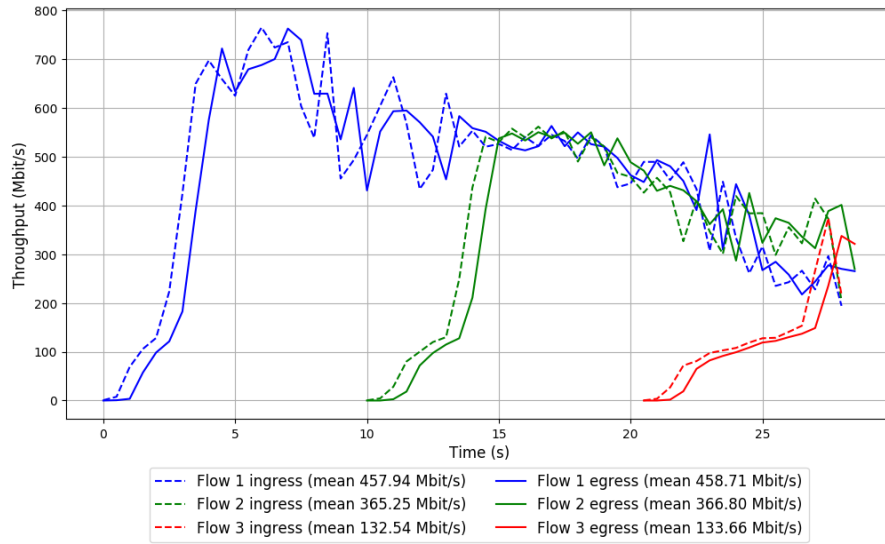


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-12-11 09:29:14
End at: 2019-12-11 09:29:44
Local clock offset: -0.035 ms
Remote clock offset: -0.033 ms

```
# Below is generated by plot.py at 2019-12-11 12:51:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 729.22 Mbit/s
95th percentile per-packet one-way delay: 153.851 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 458.71 Mbit/s
95th percentile per-packet one-way delay: 168.005 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 366.80 Mbit/s
95th percentile per-packet one-way delay: 136.069 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 133.66 Mbit/s
95th percentile per-packet one-way delay: 112.347 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesC5 — Data Link

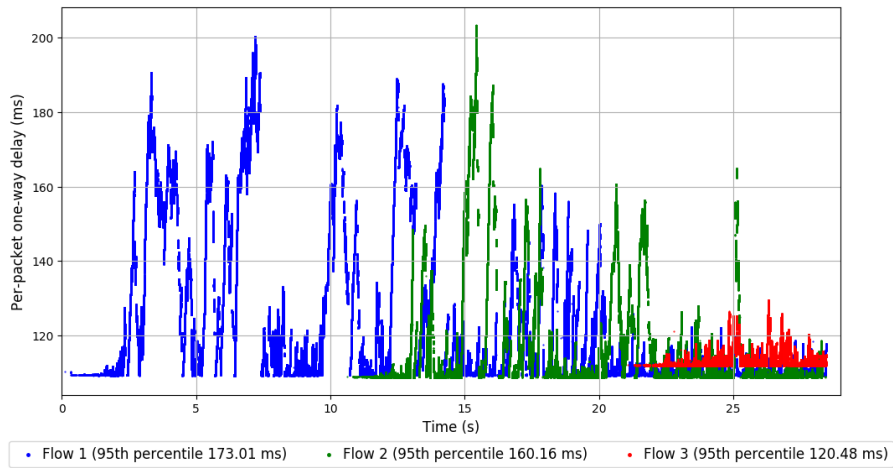
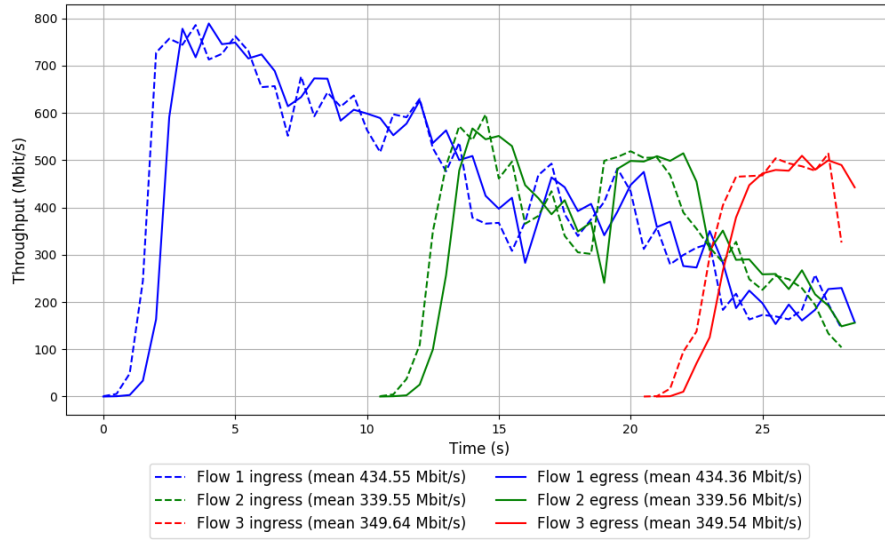


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-12-11 10:12:08
End at: 2019-12-11 10:12:38
Local clock offset: -0.12 ms
Remote clock offset: -0.055 ms

```
# Below is generated by plot.py at 2019-12-11 12:53:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 738.68 Mbit/s
95th percentile per-packet one-way delay: 170.557 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 434.36 Mbit/s
95th percentile per-packet one-way delay: 173.011 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 339.56 Mbit/s
95th percentile per-packet one-way delay: 160.157 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 349.54 Mbit/s
95th percentile per-packet one-way delay: 120.478 ms
Loss rate: 0.07%
```

Run 4: Report of Indigo-MusesC5 — Data Link

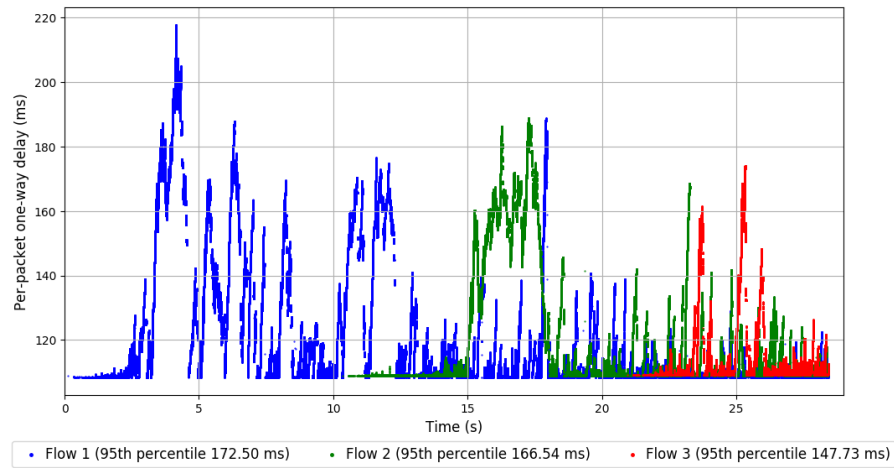
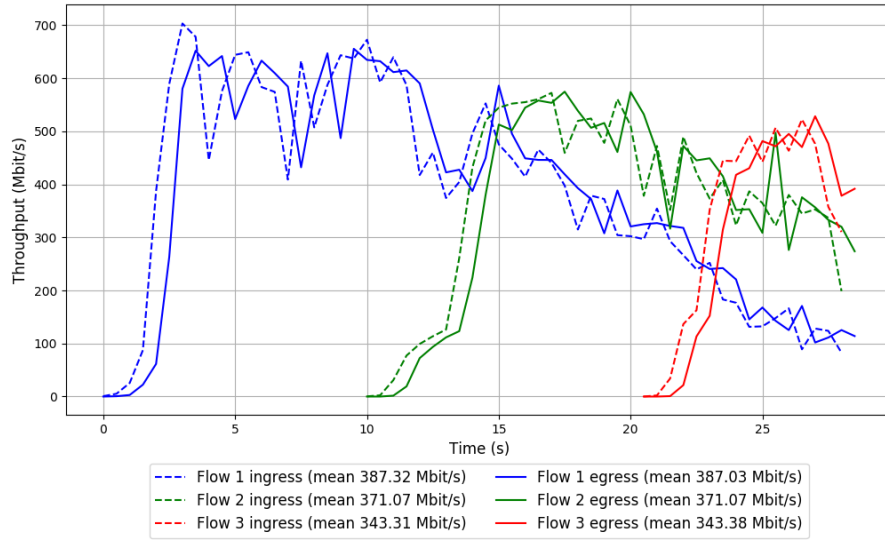


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-12-11 10:54:42
End at: 2019-12-11 10:55:12
Local clock offset: -0.103 ms
Remote clock offset: -0.005 ms

```
# Below is generated by plot.py at 2019-12-11 12:53:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 714.48 Mbit/s
95th percentile per-packet one-way delay: 168.700 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 387.03 Mbit/s
95th percentile per-packet one-way delay: 172.496 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 371.07 Mbit/s
95th percentile per-packet one-way delay: 166.537 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 343.38 Mbit/s
95th percentile per-packet one-way delay: 147.731 ms
Loss rate: 0.04%
```

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-12-11 07:51:46

End at: 2019-12-11 07:52:16

Local clock offset: -0.11 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2019-12-11 12:59:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 735.46 Mbit/s

95th percentile per-packet one-way delay: 115.675 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 454.75 Mbit/s

95th percentile per-packet one-way delay: 118.549 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 322.67 Mbit/s

95th percentile per-packet one-way delay: 110.811 ms

Loss rate: 0.00%

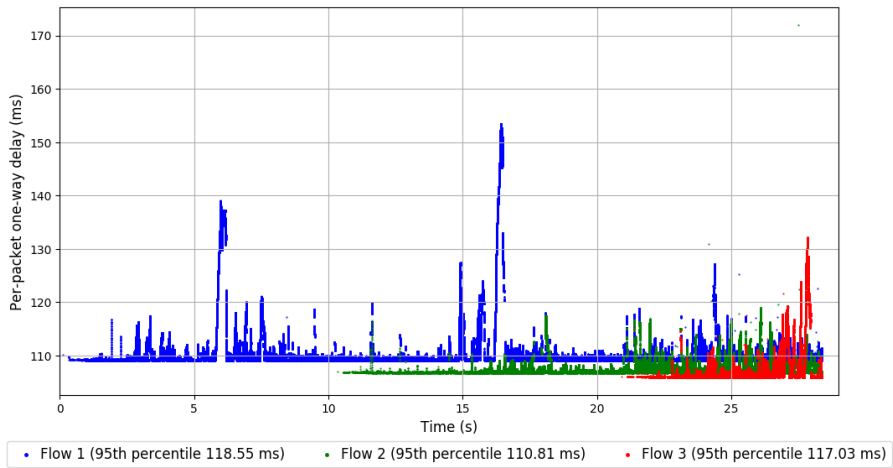
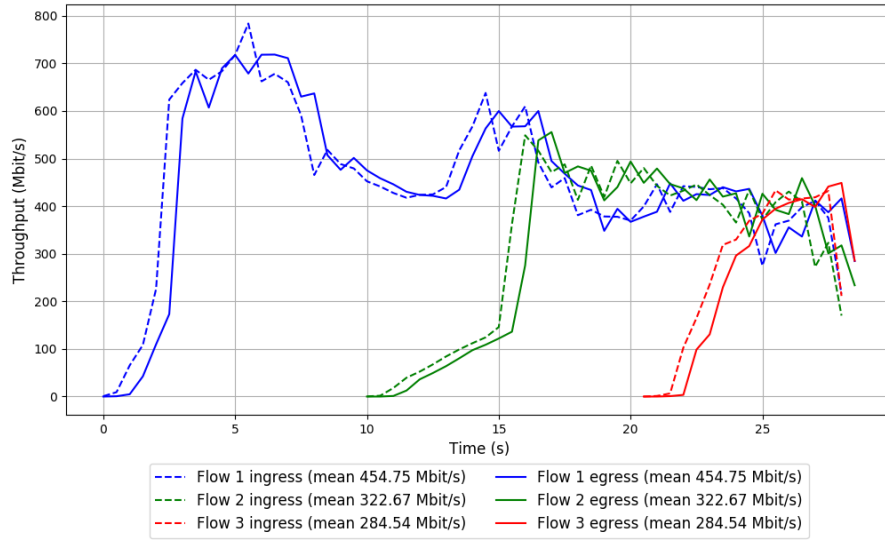
-- Flow 3:

Average throughput: 284.54 Mbit/s

95th percentile per-packet one-way delay: 117.027 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-12-11 08:34:30

End at: 2019-12-11 08:35:00

Local clock offset: 0.053 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2019-12-11 13:01:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 822.91 Mbit/s

95th percentile per-packet one-way delay: 135.969 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 512.11 Mbit/s

95th percentile per-packet one-way delay: 143.723 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 379.71 Mbit/s

95th percentile per-packet one-way delay: 111.038 ms

Loss rate: 0.00%

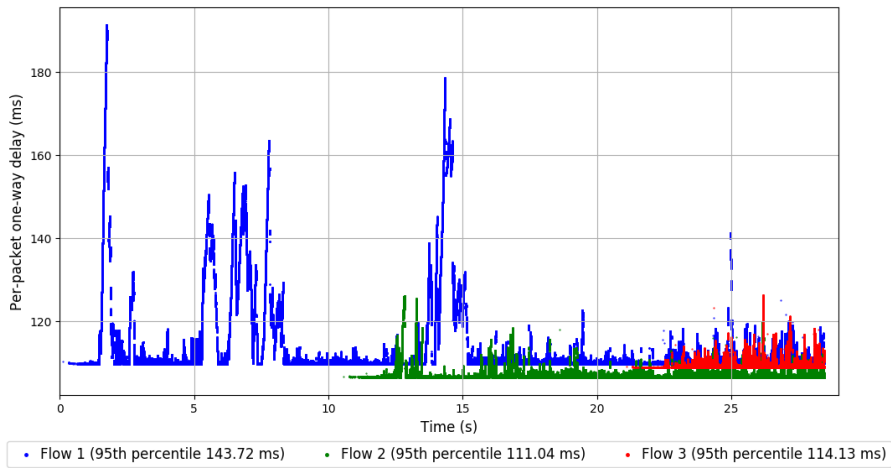
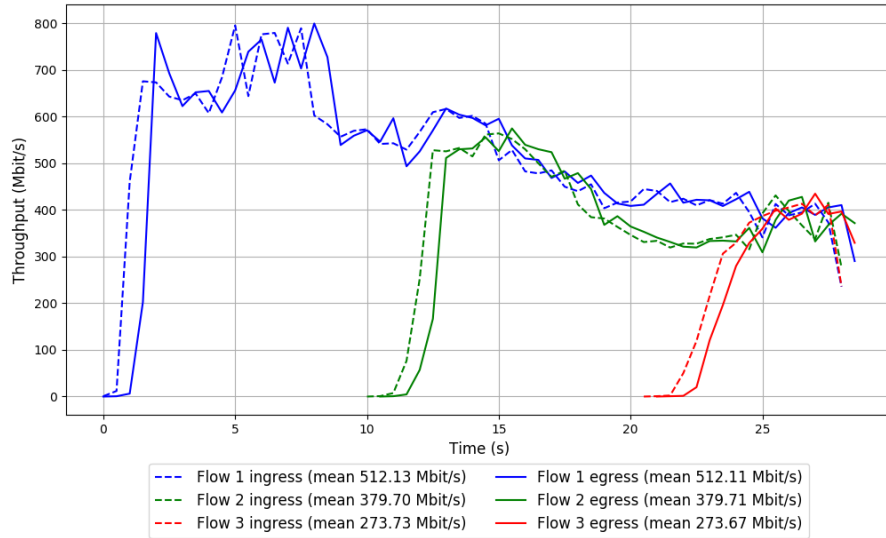
-- Flow 3:

Average throughput: 273.67 Mbit/s

95th percentile per-packet one-way delay: 114.128 ms

Loss rate: 0.05%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-12-11 09:18:06

End at: 2019-12-11 09:18:36

Local clock offset: 0.05 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2019-12-11 13:01:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 801.86 Mbit/s

95th percentile per-packet one-way delay: 150.896 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 475.00 Mbit/s

95th percentile per-packet one-way delay: 173.533 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 397.19 Mbit/s

95th percentile per-packet one-way delay: 125.610 ms

Loss rate: 0.02%

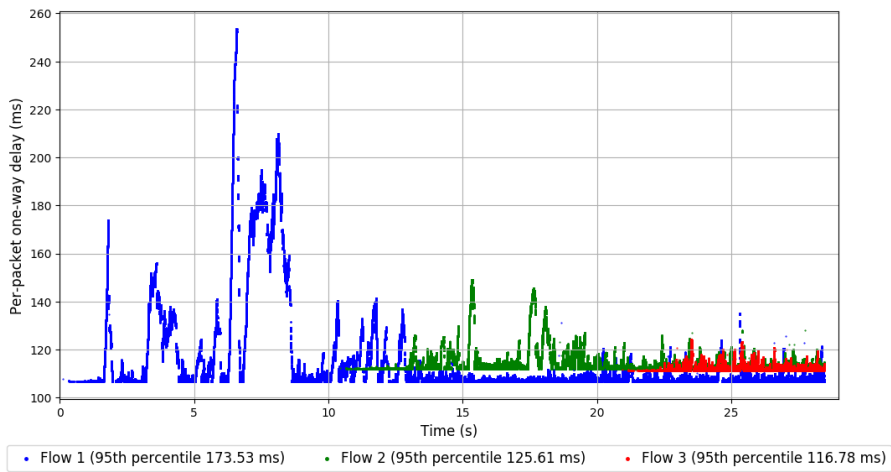
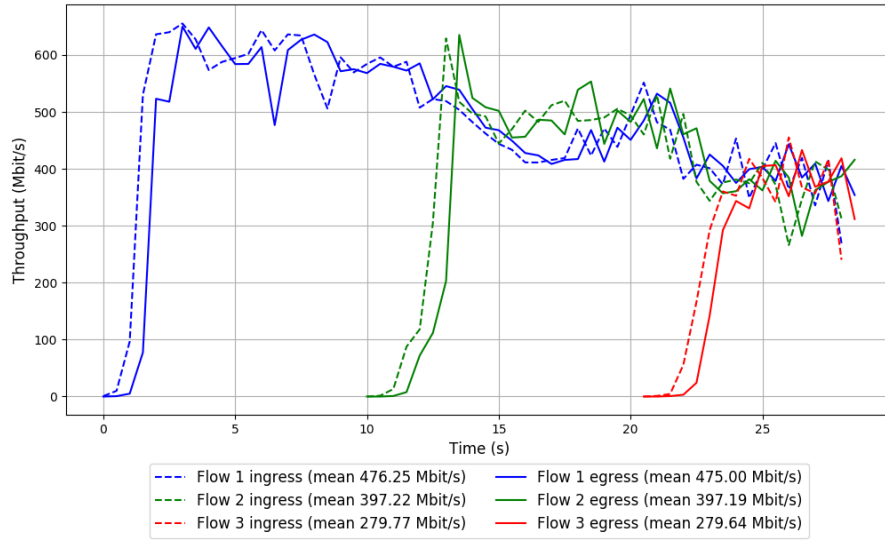
-- Flow 3:

Average throughput: 279.64 Mbit/s

95th percentile per-packet one-way delay: 116.784 ms

Loss rate: 0.08%

Run 3: Report of Indigo-MusesD — Data Link

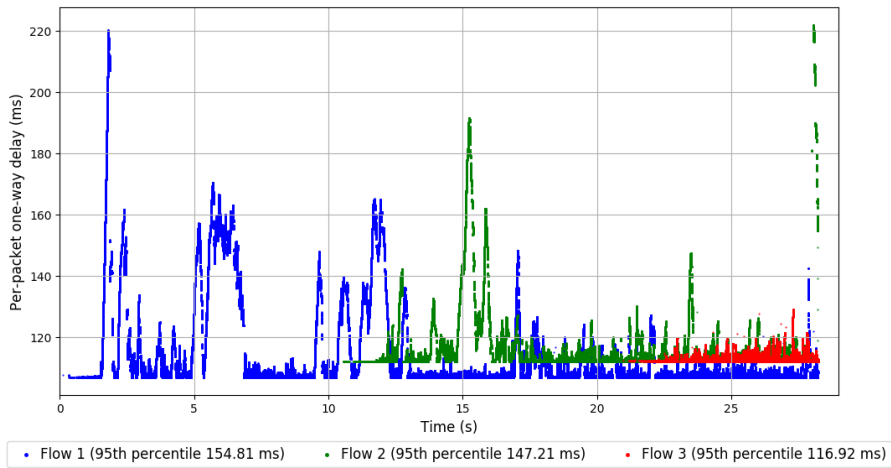
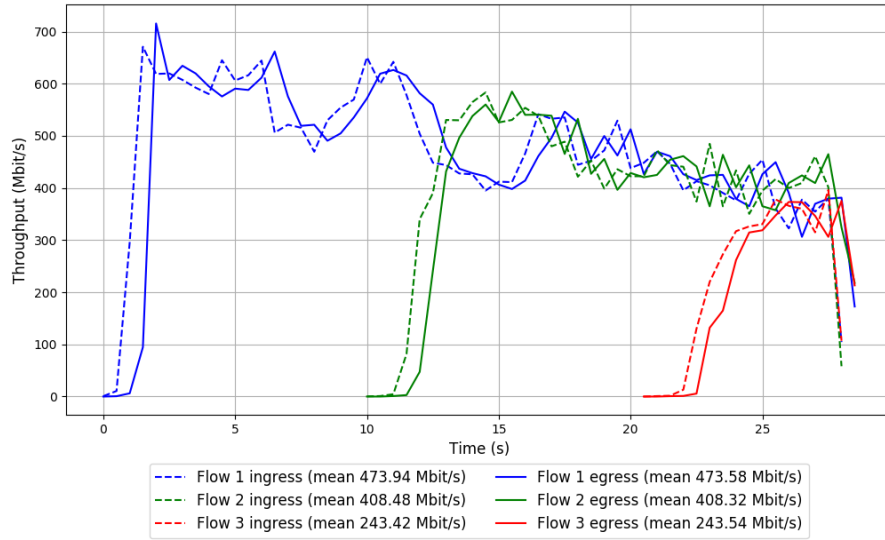


Run 4: Statistics of Indigo-MusesD

Start at: 2019-12-11 10:01:24
End at: 2019-12-11 10:01:54
Local clock offset: -0.065 ms
Remote clock offset: -0.073 ms

```
# Below is generated by plot.py at 2019-12-11 13:02:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 796.03 Mbit/s
95th percentile per-packet one-way delay: 153.202 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 473.58 Mbit/s
95th percentile per-packet one-way delay: 154.806 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 408.32 Mbit/s
95th percentile per-packet one-way delay: 147.212 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 243.54 Mbit/s
95th percentile per-packet one-way delay: 116.916 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-12-11 10:43:41

End at: 2019-12-11 10:44:11

Local clock offset: -0.054 ms

Remote clock offset: 0.38 ms

Below is generated by plot.py at 2019-12-11 13:02:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 757.03 Mbit/s

95th percentile per-packet one-way delay: 146.589 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 458.57 Mbit/s

95th percentile per-packet one-way delay: 154.982 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 350.50 Mbit/s

95th percentile per-packet one-way delay: 125.531 ms

Loss rate: 0.00%

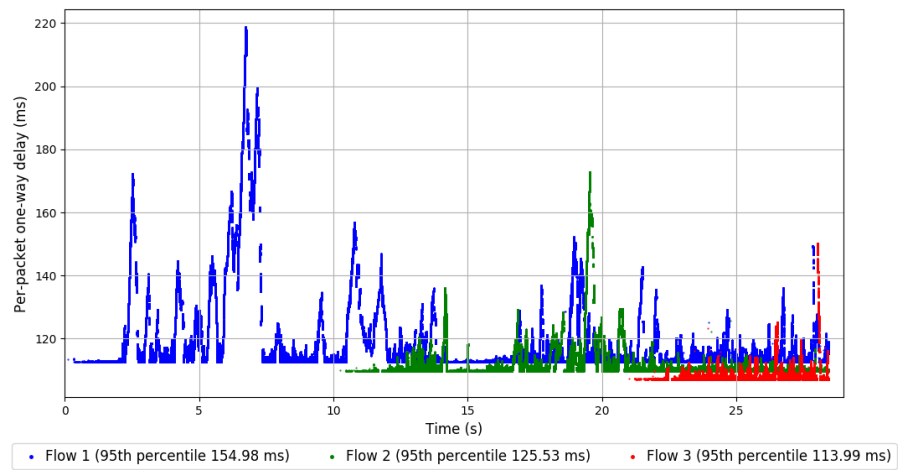
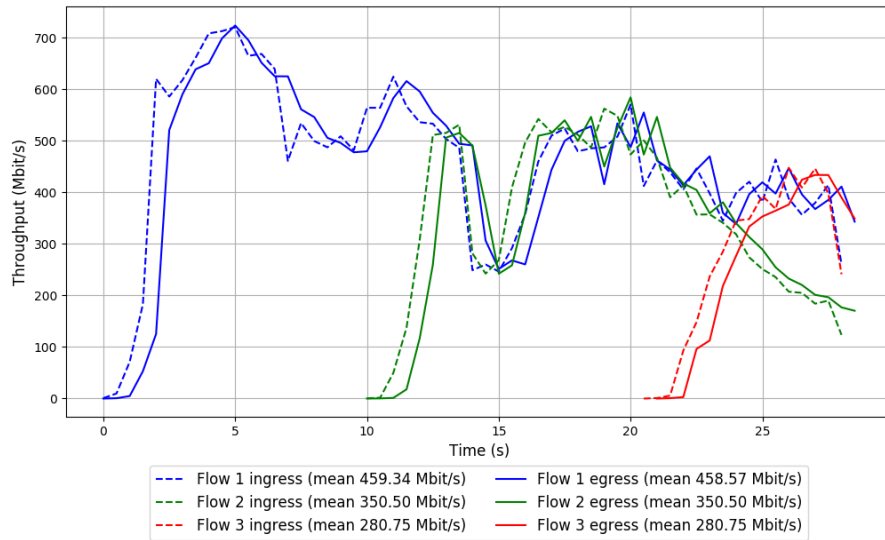
-- Flow 3:

Average throughput: 280.75 Mbit/s

95th percentile per-packet one-way delay: 113.987 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MuseST

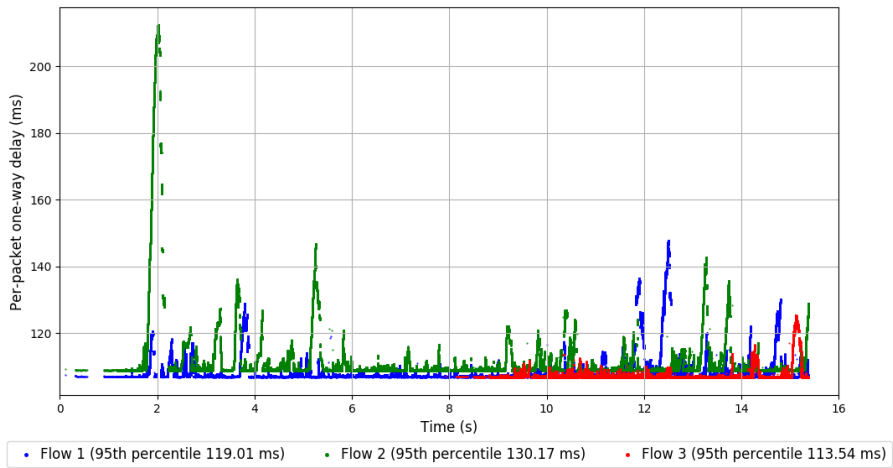
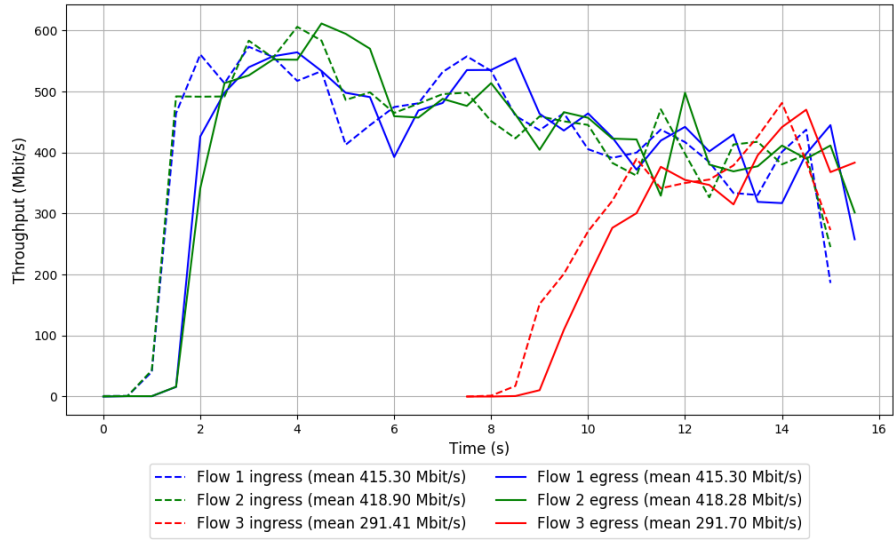
Start at: 2019-12-11 07:43:04

End at: 2019-12-11 07:43:34

Local clock offset: -0.165 ms

Remote clock offset: -0.033 ms

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MuseST

Start at: 2019-12-11 08:25:38

End at: 2019-12-11 08:26:08

Local clock offset: -0.197 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2019-12-11 13:09:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 865.15 Mbit/s

95th percentile per-packet one-way delay: 149.452 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 520.55 Mbit/s

95th percentile per-packet one-way delay: 159.081 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 432.09 Mbit/s

95th percentile per-packet one-way delay: 119.445 ms

Loss rate: 0.00%

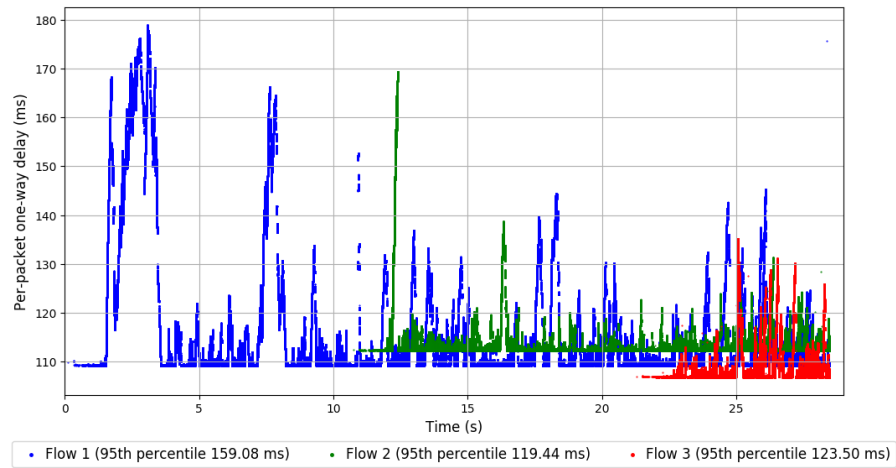
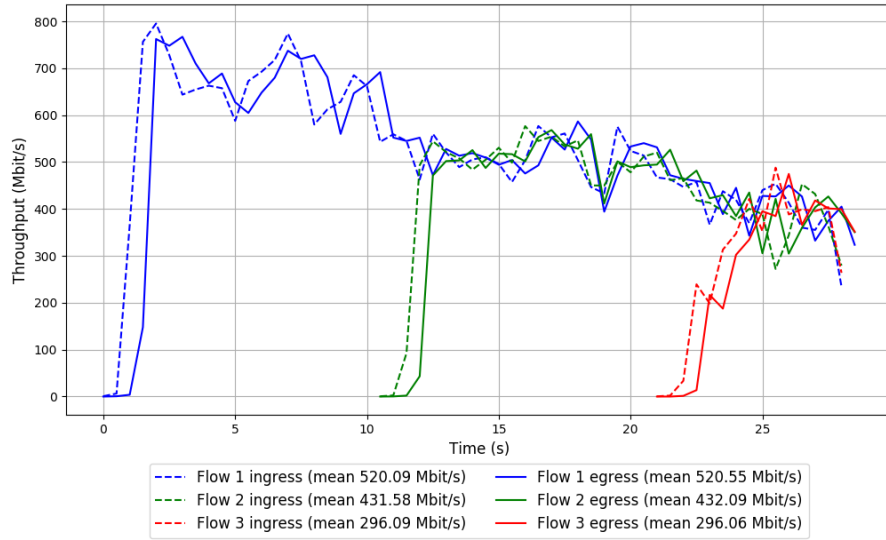
-- Flow 3:

Average throughput: 296.06 Mbit/s

95th percentile per-packet one-way delay: 123.505 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link

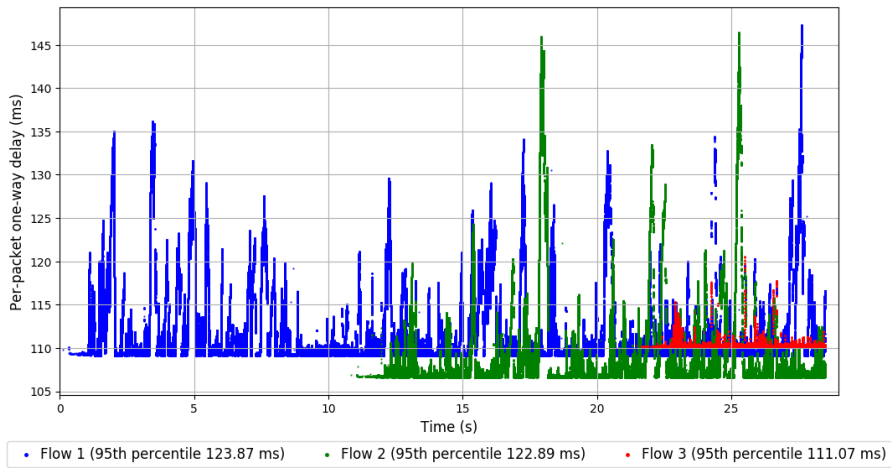
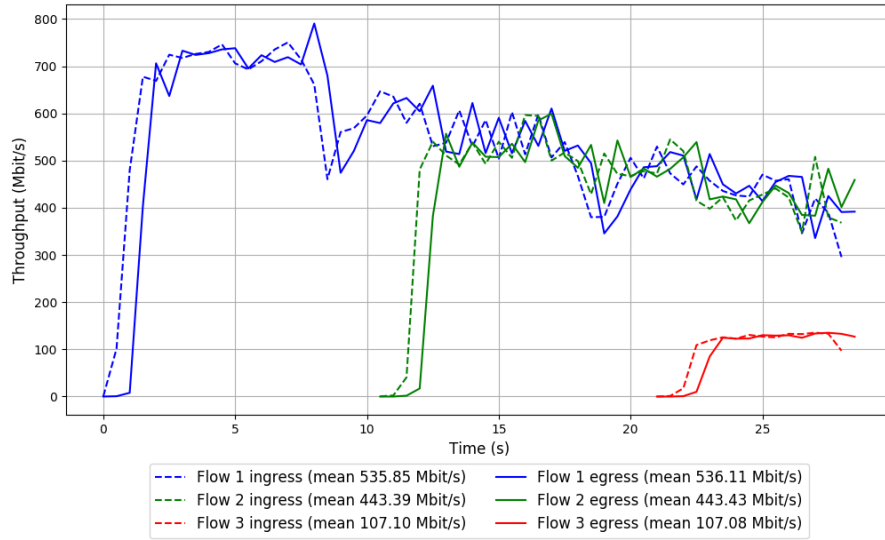


Run 3: Statistics of Indigo-MuseST

Start at: 2019-12-11 09:09:19
End at: 2019-12-11 09:09:49
Local clock offset: -0.036 ms
Remote clock offset: -0.126 ms

```
# Below is generated by plot.py at 2019-12-11 13:09:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 838.63 Mbit/s
95th percentile per-packet one-way delay: 123.440 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 536.11 Mbit/s
95th percentile per-packet one-way delay: 123.874 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 443.43 Mbit/s
95th percentile per-packet one-way delay: 122.885 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 107.08 Mbit/s
95th percentile per-packet one-way delay: 111.066 ms
Loss rate: 0.07%
```

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MuseST

Start at: 2019-12-11 09:52:37

End at: 2019-12-11 09:53:07

Local clock offset: 0.048 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2019-12-11 13:15:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 843.25 Mbit/s

95th percentile per-packet one-way delay: 181.496 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 496.11 Mbit/s

95th percentile per-packet one-way delay: 184.061 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 422.96 Mbit/s

95th percentile per-packet one-way delay: 164.688 ms

Loss rate: 0.00%

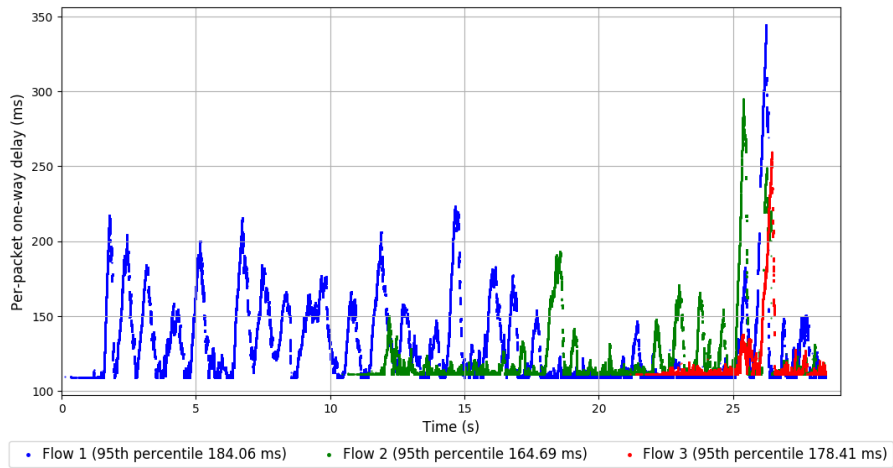
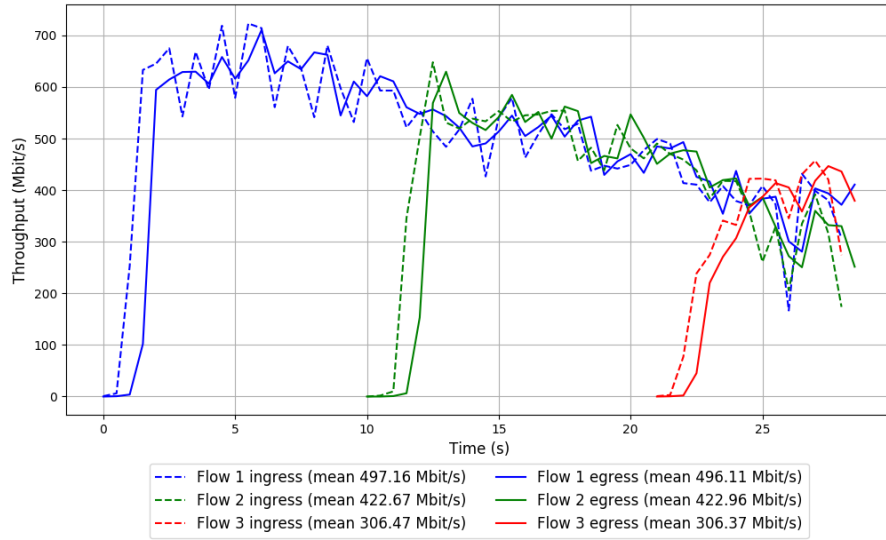
-- Flow 3:

Average throughput: 306.37 Mbit/s

95th percentile per-packet one-way delay: 178.406 ms

Loss rate: 0.05%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MuseST

Start at: 2019-12-11 10:35:13

End at: 2019-12-11 10:35:43

Local clock offset: -0.077 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2019-12-11 13:17:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 853.36 Mbit/s

95th percentile per-packet one-way delay: 166.962 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 503.58 Mbit/s

95th percentile per-packet one-way delay: 178.954 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 438.32 Mbit/s

95th percentile per-packet one-way delay: 139.815 ms

Loss rate: 0.00%

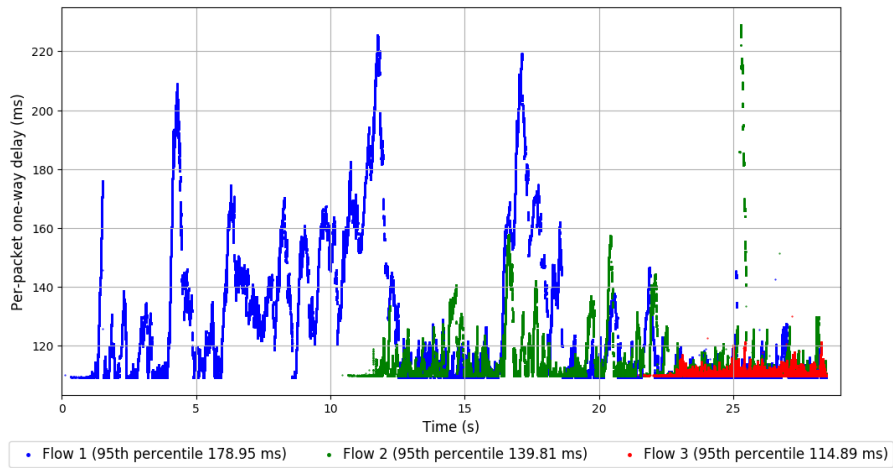
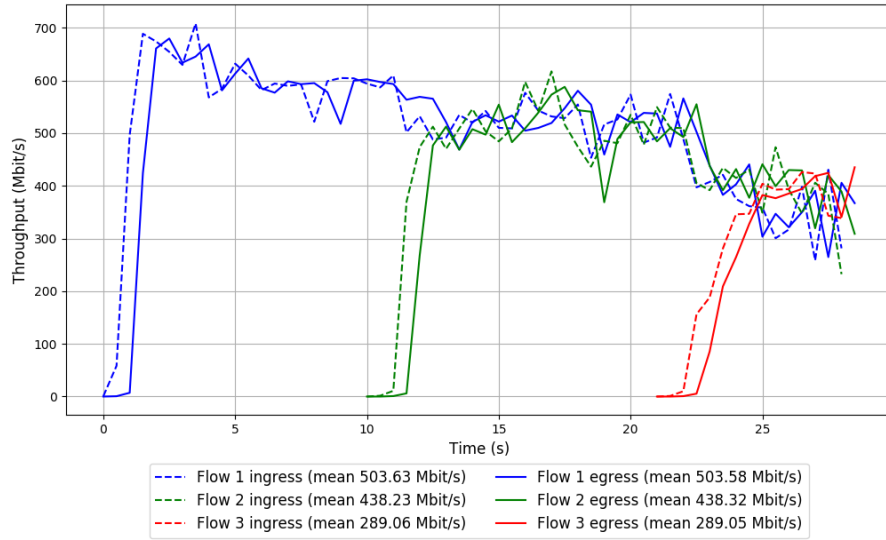
-- Flow 3:

Average throughput: 289.05 Mbit/s

95th percentile per-packet one-way delay: 114.893 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-12-11 08:11:54

End at: 2019-12-11 08:12:24

Local clock offset: -0.155 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2019-12-11 13:17:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.80 Mbit/s

95th percentile per-packet one-way delay: 110.264 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.50 Mbit/s

95th percentile per-packet one-way delay: 110.771 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.23 Mbit/s

95th percentile per-packet one-way delay: 108.288 ms

Loss rate: 0.00%

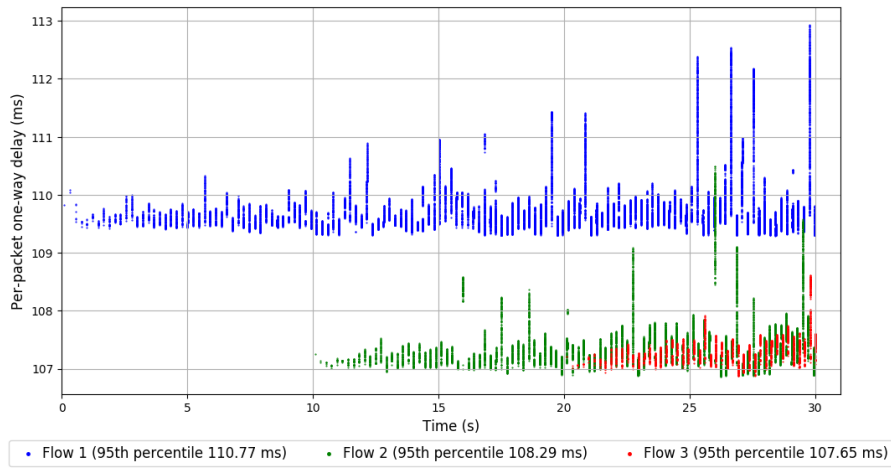
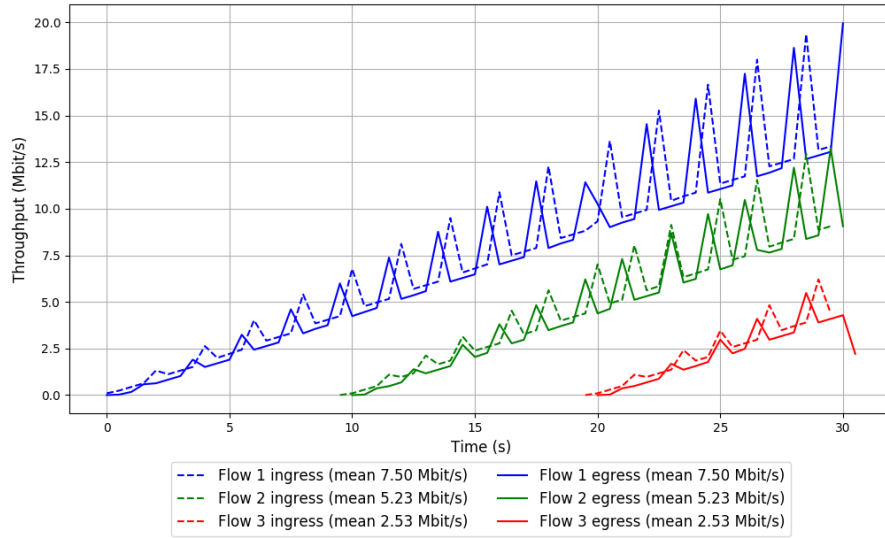
-- Flow 3:

Average throughput: 2.53 Mbit/s

95th percentile per-packet one-way delay: 107.652 ms

Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

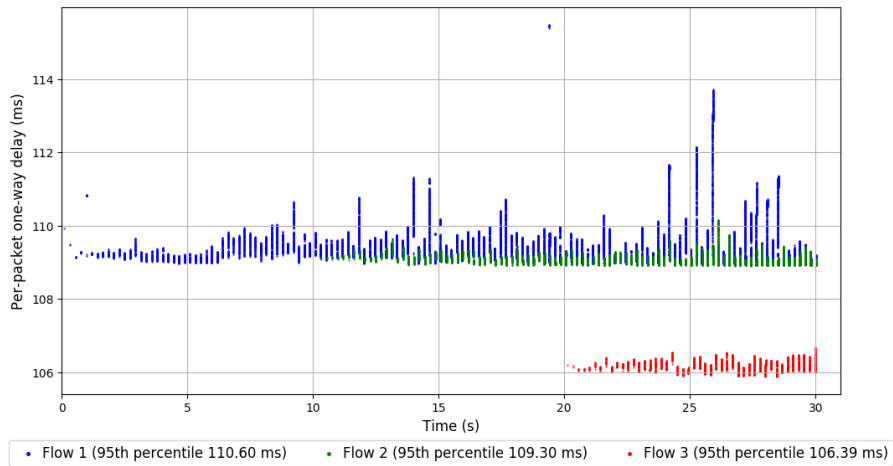
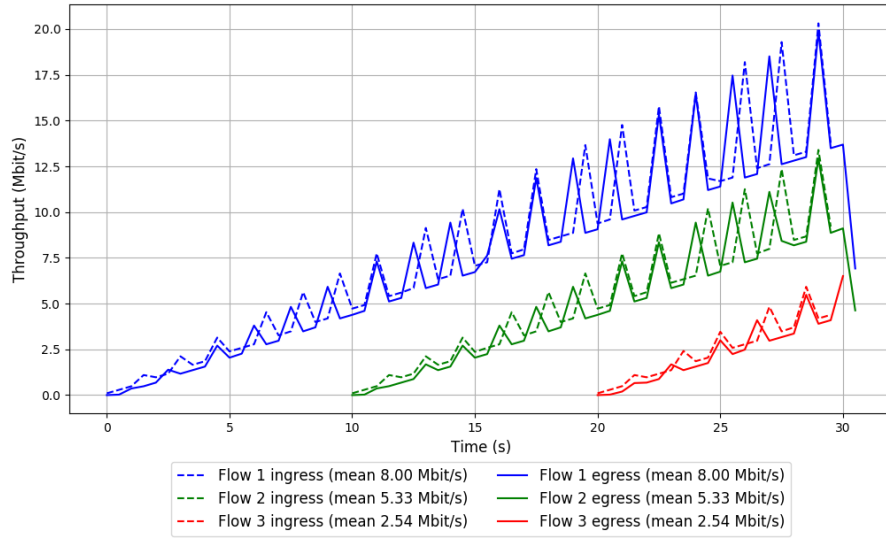


Run 2: Statistics of LEDBAT

Start at: 2019-12-11 08:55:31
End at: 2019-12-11 08:56:01
Local clock offset: 0.051 ms
Remote clock offset: -0.062 ms

```
# Below is generated by plot.py at 2019-12-11 13:17:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 110.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 110.597 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 109.301 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 106.388 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

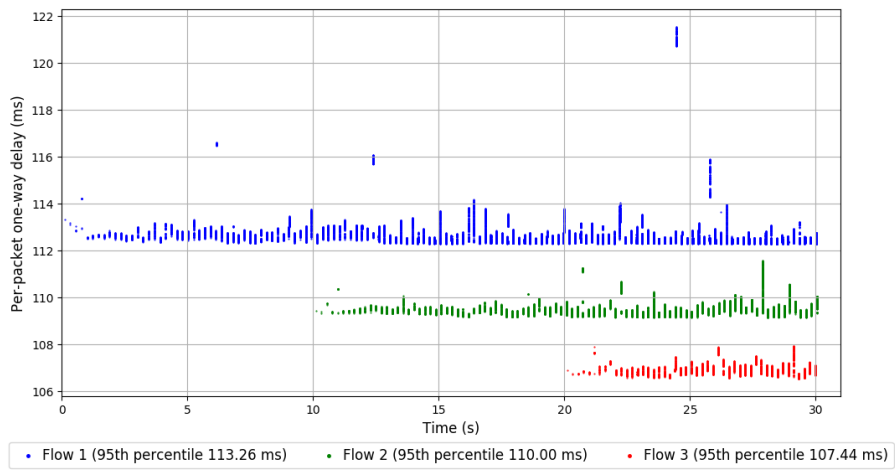
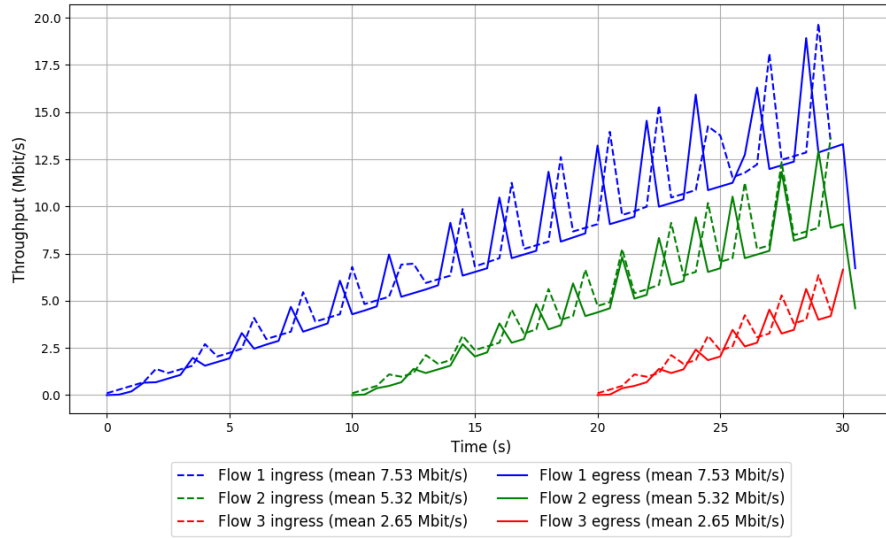


Run 3: Statistics of LEDBAT

Start at: 2019-12-11 09:38:50
End at: 2019-12-11 09:39:20
Local clock offset: 0.039 ms
Remote clock offset: -0.005 ms

```
# Below is generated by plot.py at 2019-12-11 13:17:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.94 Mbit/s
95th percentile per-packet one-way delay: 113.037 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 113.262 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.32 Mbit/s
95th percentile per-packet one-way delay: 109.996 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 107.439 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

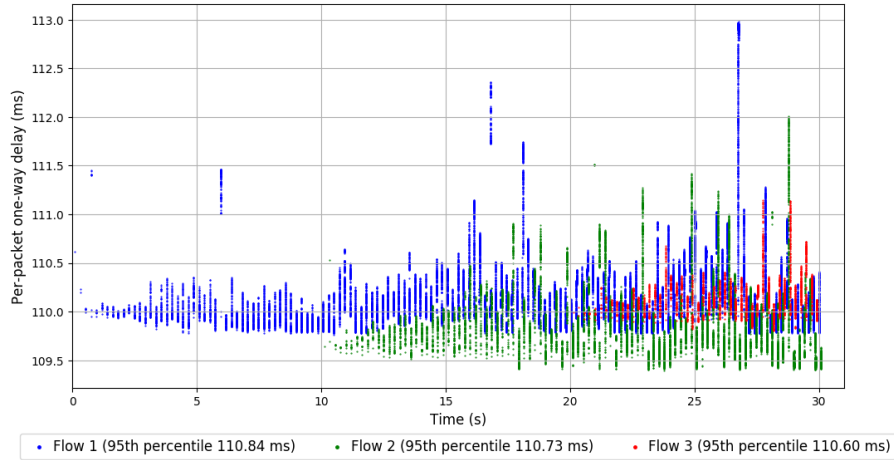
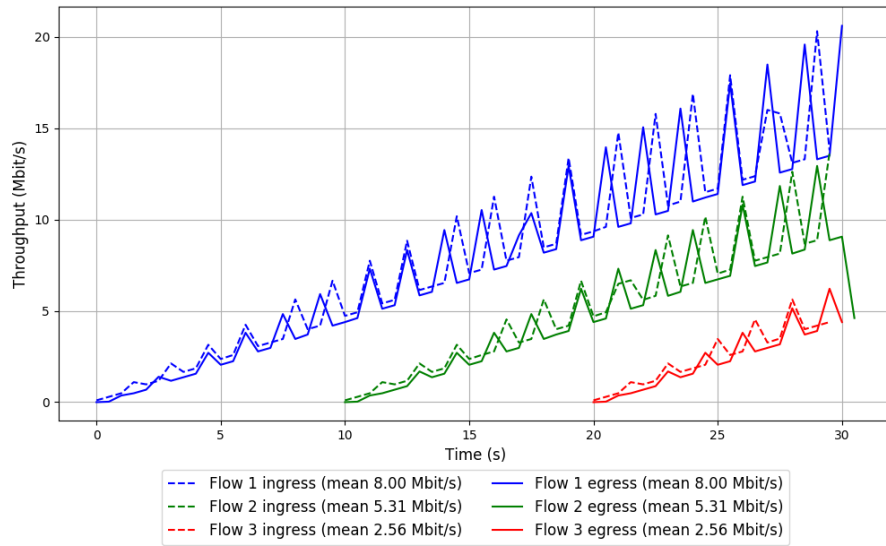


Run 4: Statistics of LEDBAT

Start at: 2019-12-11 10:21:17
End at: 2019-12-11 10:21:47
Local clock offset: -0.224 ms
Remote clock offset: -0.073 ms

```
# Below is generated by plot.py at 2019-12-11 13:17:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 110.780 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 110.842 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 110.728 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 110.597 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

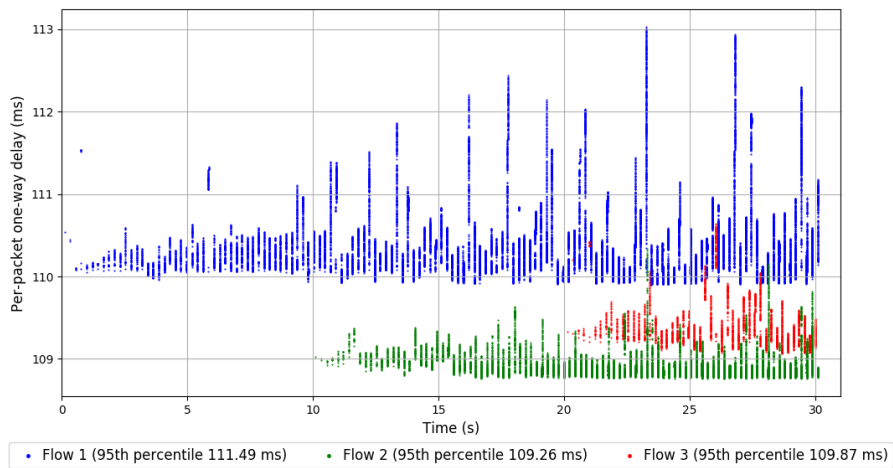
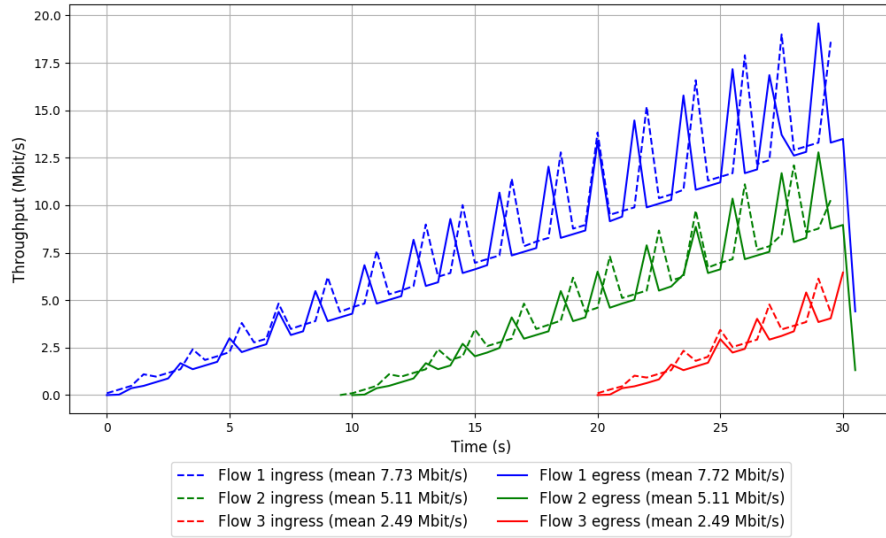


Run 5: Statistics of LEDBAT

Start at: 2019-12-11 11:04:02
End at: 2019-12-11 11:04:32
Local clock offset: -0.07 ms
Remote clock offset: -0.021 ms

```
# Below is generated by plot.py at 2019-12-11 13:17:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.94 Mbit/s
95th percentile per-packet one-way delay: 111.112 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 111.491 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 5.11 Mbit/s
95th percentile per-packet one-way delay: 109.258 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 109.874 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-12-11 07:58:44

End at: 2019-12-11 07:59:14

Local clock offset: -0.187 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2019-12-11 13:17:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 402.78 Mbit/s

95th percentile per-packet one-way delay: 133.350 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 107.053 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 449.89 Mbit/s

95th percentile per-packet one-way delay: 136.807 ms

Loss rate: 0.00%

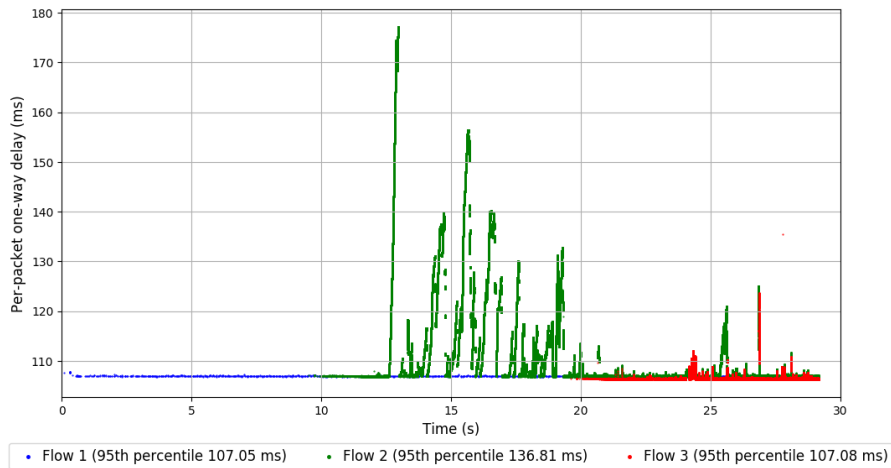
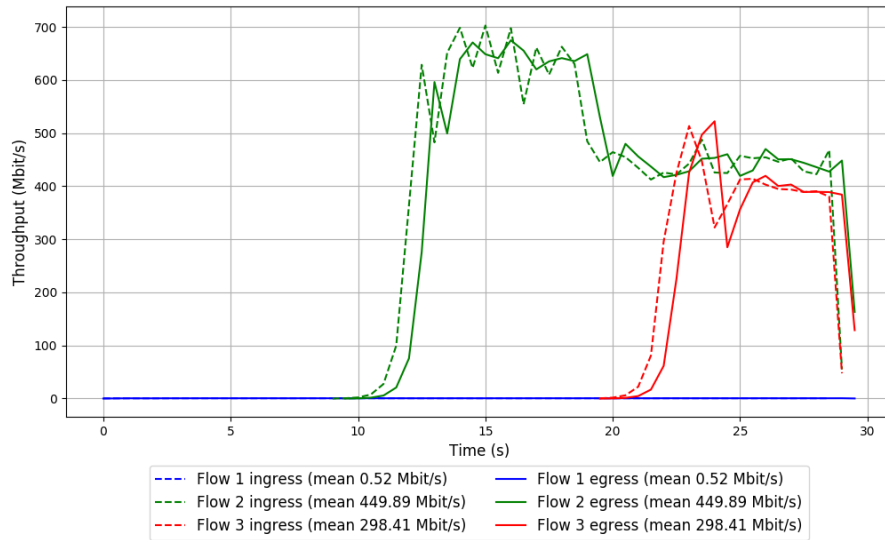
-- Flow 3:

Average throughput: 298.41 Mbit/s

95th percentile per-packet one-way delay: 107.083 ms

Loss rate: 0.00%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-12-11 08:41:48

End at: 2019-12-11 08:42:18

Local clock offset: 0.076 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2019-12-11 13:17:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 725.90 Mbit/s

95th percentile per-packet one-way delay: 152.754 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 422.76 Mbit/s

95th percentile per-packet one-way delay: 168.072 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 348.44 Mbit/s

95th percentile per-packet one-way delay: 136.955 ms

Loss rate: 0.00%

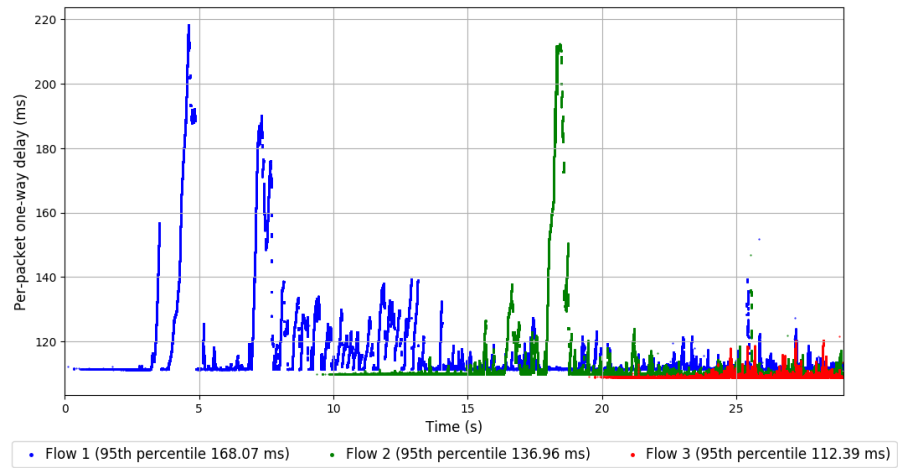
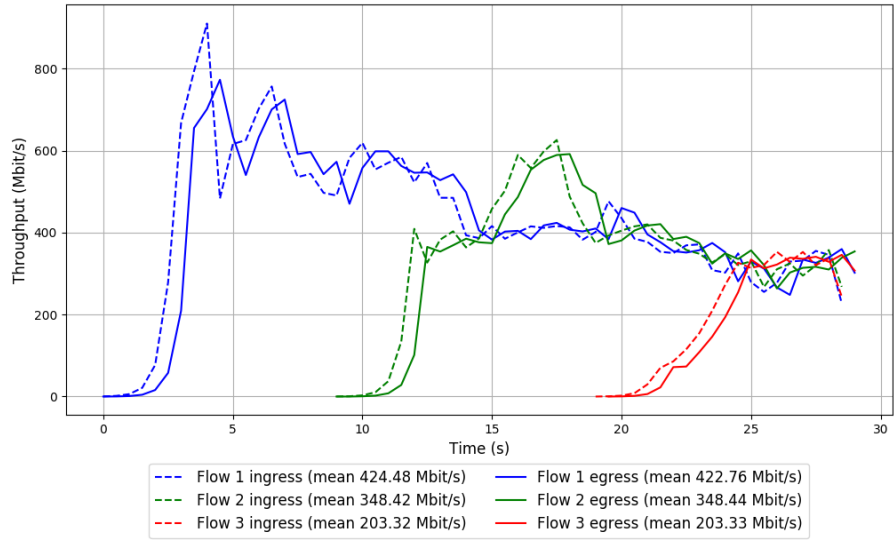
-- Flow 3:

Average throughput: 203.33 Mbit/s

95th percentile per-packet one-way delay: 112.390 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTree — Data Link

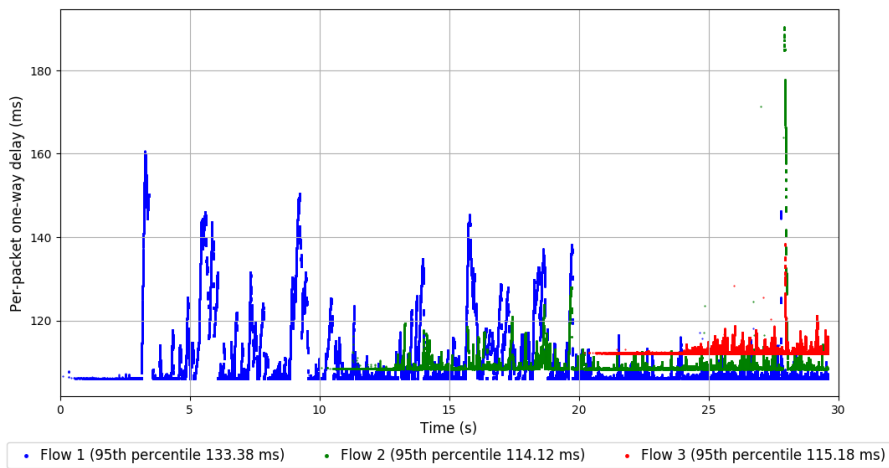
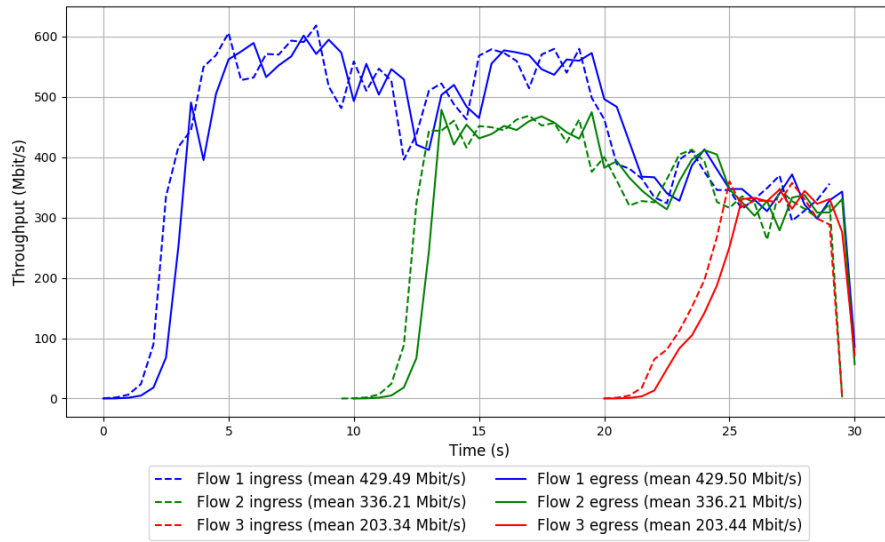


Run 3: Statistics of Muses_DecisionTree

Start at: 2019-12-11 09:25:23
End at: 2019-12-11 09:25:53
Local clock offset: -0.181 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2019-12-11 13:17:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 716.97 Mbit/s
95th percentile per-packet one-way delay: 128.256 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 429.50 Mbit/s
95th percentile per-packet one-way delay: 133.382 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 336.21 Mbit/s
95th percentile per-packet one-way delay: 114.119 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 203.44 Mbit/s
95th percentile per-packet one-way delay: 115.178 ms
Loss rate: 0.09%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-12-11 10:08:37

End at: 2019-12-11 10:09:07

Local clock offset: -0.065 ms

Remote clock offset: 0.331 ms

Below is generated by plot.py at 2019-12-11 13:17:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 392.93 Mbit/s

95th percentile per-packet one-way delay: 138.337 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 112.444 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 434.60 Mbit/s

95th percentile per-packet one-way delay: 135.292 ms

Loss rate: 0.00%

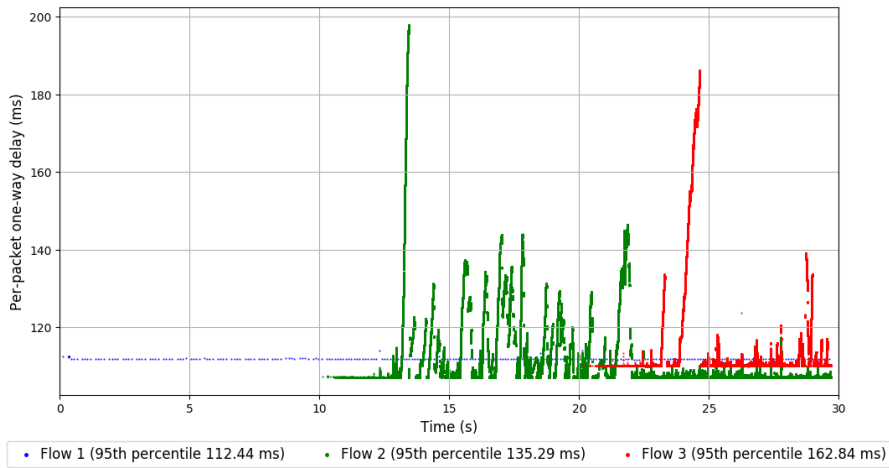
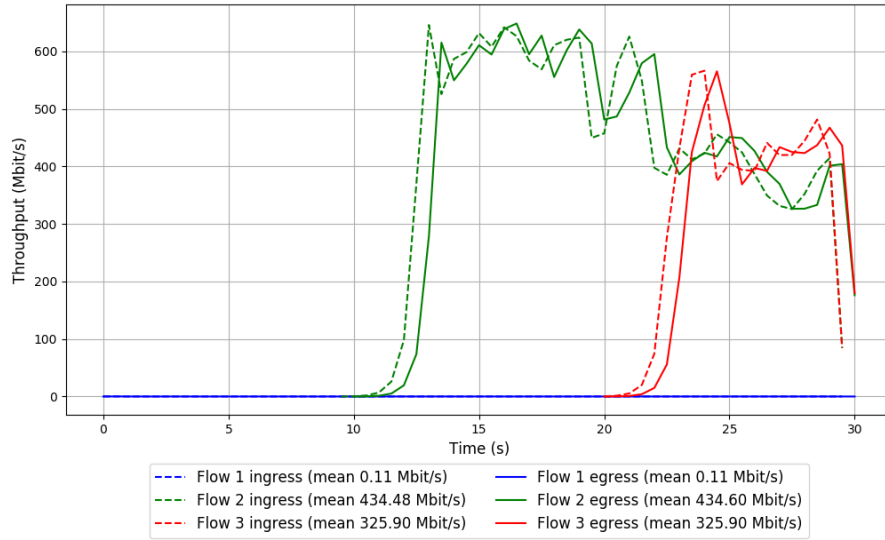
-- Flow 3:

Average throughput: 325.90 Mbit/s

95th percentile per-packet one-way delay: 162.835 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link

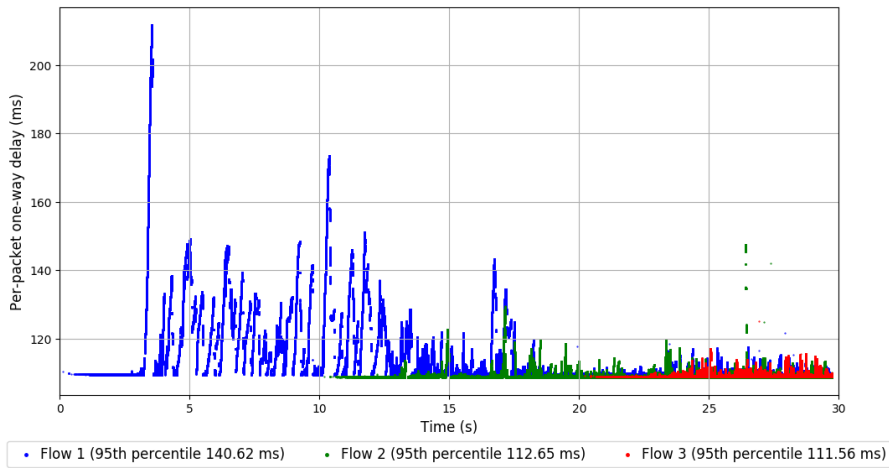
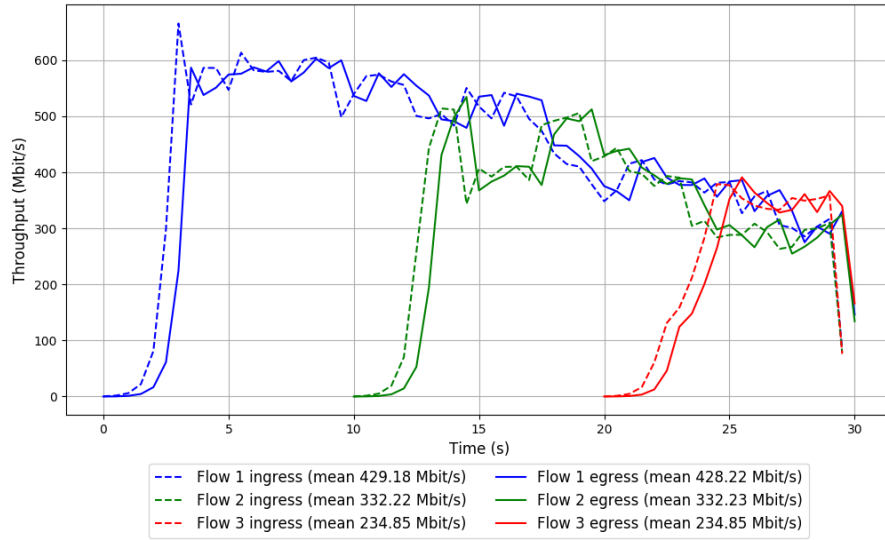


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-12-11 10:50:53
End at: 2019-12-11 10:51:23
Local clock offset: 0.016 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2019-12-11 13:23:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 723.18 Mbit/s
95th percentile per-packet one-way delay: 134.003 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 428.22 Mbit/s
95th percentile per-packet one-way delay: 140.618 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 332.23 Mbit/s
95th percentile per-packet one-way delay: 112.649 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 234.85 Mbit/s
95th percentile per-packet one-way delay: 111.555 ms
Loss rate: 0.00%

Run 5: Report of Muses_DecisionTree — Data Link

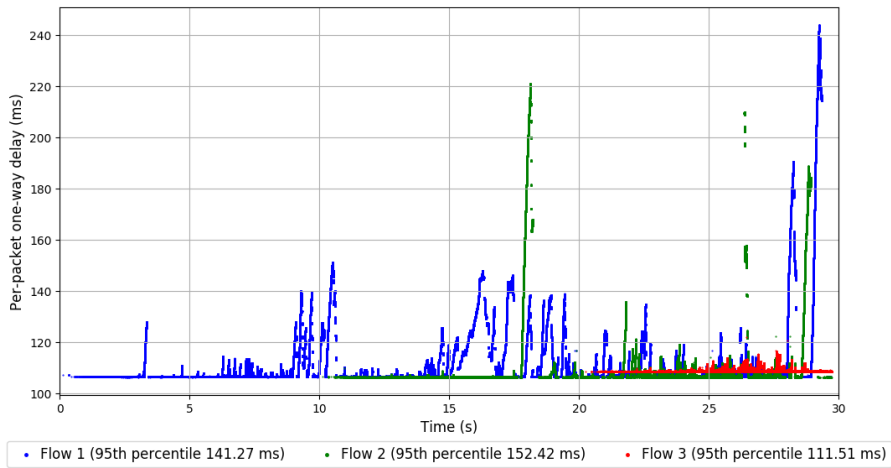
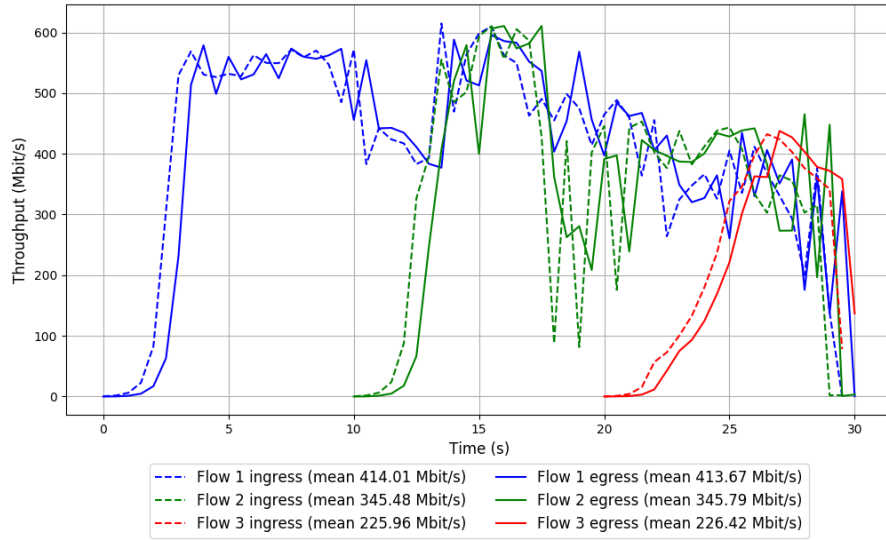


Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-12-11 08:04:08
End at: 2019-12-11 08:04:38
Local clock offset: -0.121 ms
Remote clock offset: -0.331 ms

Below is generated by plot.py at 2019-12-11 13:23:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 714.76 Mbit/s
95th percentile per-packet one-way delay: 138.798 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 413.67 Mbit/s
95th percentile per-packet one-way delay: 141.268 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 345.79 Mbit/s
95th percentile per-packet one-way delay: 152.419 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 226.42 Mbit/s
95th percentile per-packet one-way delay: 111.511 ms
Loss rate: 0.00%

Run 1: Report of Muses_DecisionTreeH0 — Data Link

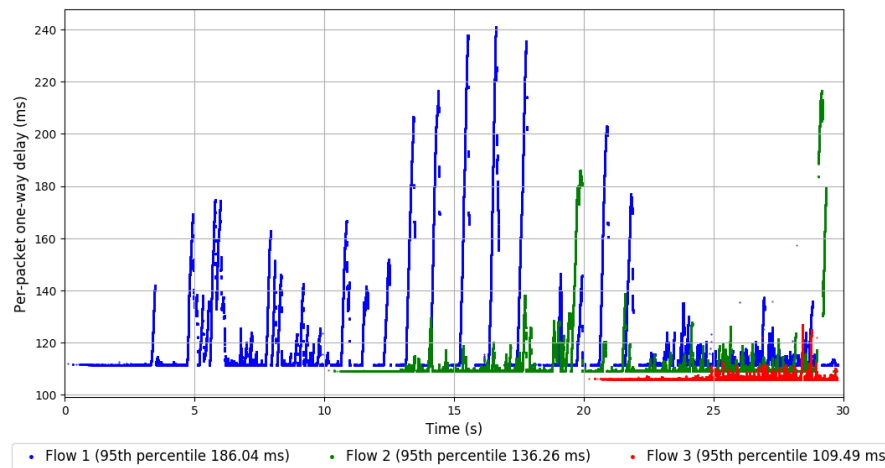
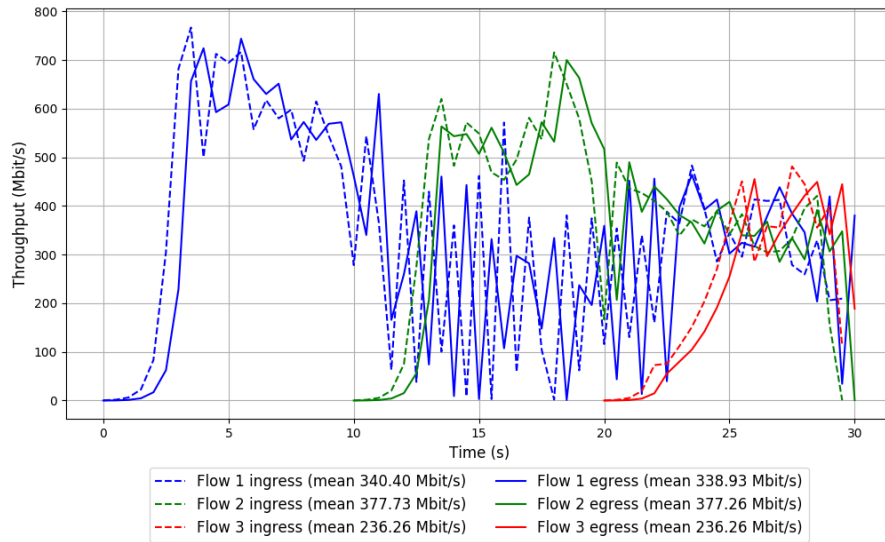


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-12-11 08:47:39
End at: 2019-12-11 08:48:09
Local clock offset: -0.04 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2019-12-11 13:23:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 664.53 Mbit/s
95th percentile per-packet one-way delay: 171.202 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 338.93 Mbit/s
95th percentile per-packet one-way delay: 186.045 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 377.26 Mbit/s
95th percentile per-packet one-way delay: 136.257 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 236.26 Mbit/s
95th percentile per-packet one-way delay: 109.489 ms
Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

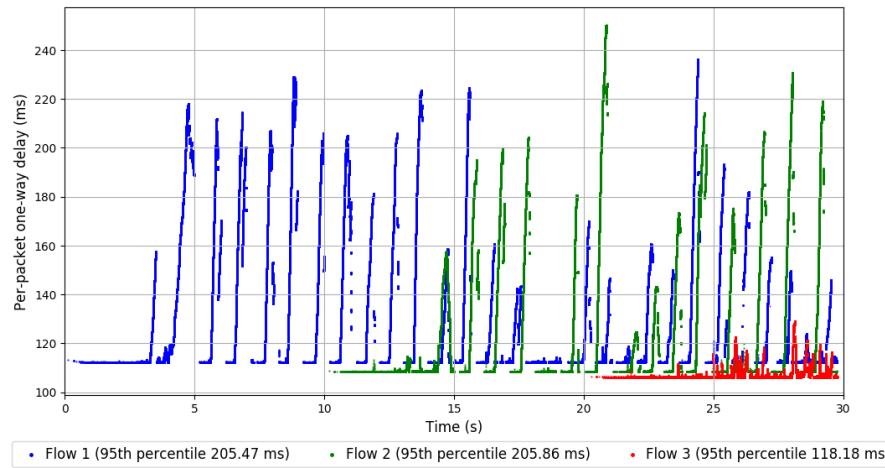
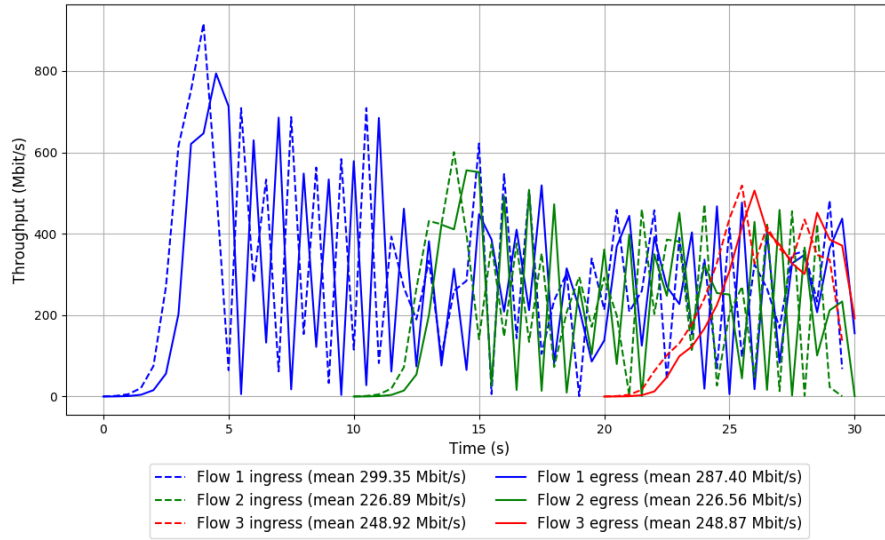


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-12-11 09:31:10
End at: 2019-12-11 09:31:40
Local clock offset: 0.039 ms
Remote clock offset: -0.051 ms

```
# Below is generated by plot.py at 2019-12-11 13:23:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 516.39 Mbit/s
95th percentile per-packet one-way delay: 203.593 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 287.40 Mbit/s
95th percentile per-packet one-way delay: 205.471 ms
Loss rate: 3.99%
-- Flow 2:
Average throughput: 226.56 Mbit/s
95th percentile per-packet one-way delay: 205.857 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 248.87 Mbit/s
95th percentile per-packet one-way delay: 118.183 ms
Loss rate: 0.03%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

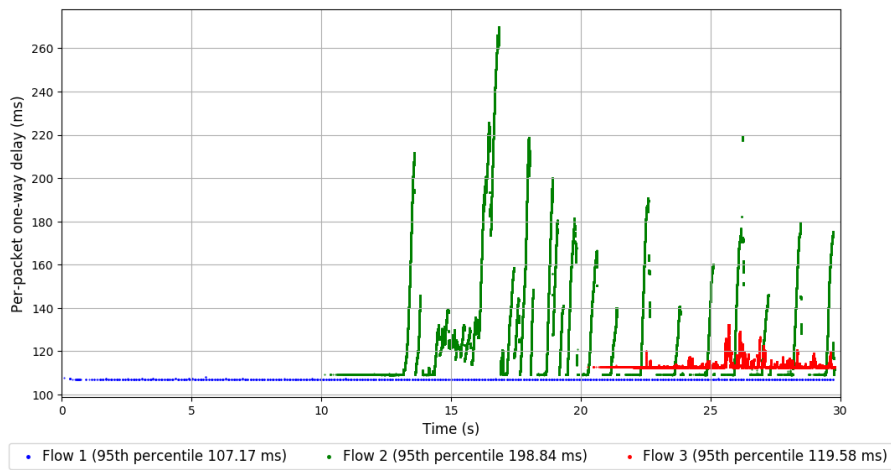
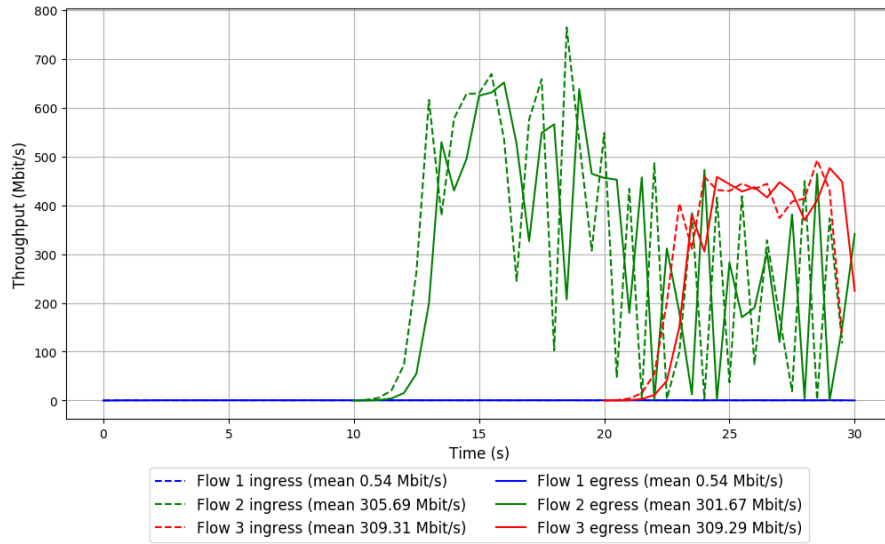


Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-12-11 10:14:05
End at: 2019-12-11 10:14:35
Local clock offset: -0.353 ms
Remote clock offset: -0.079 ms

```
# Below is generated by plot.py at 2019-12-11 13:23:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 299.31 Mbit/s
95th percentile per-packet one-way delay: 187.307 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 107.165 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 301.67 Mbit/s
95th percentile per-packet one-way delay: 198.843 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 309.29 Mbit/s
95th percentile per-packet one-way delay: 119.584 ms
Loss rate: 0.04%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-12-11 10:56:38

End at: 2019-12-11 10:57:08

Local clock offset: -0.112 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-12-11 13:28:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 657.85 Mbit/s

95th percentile per-packet one-way delay: 171.871 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 343.71 Mbit/s

95th percentile per-packet one-way delay: 183.143 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 369.65 Mbit/s

95th percentile per-packet one-way delay: 144.040 ms

Loss rate: 0.00%

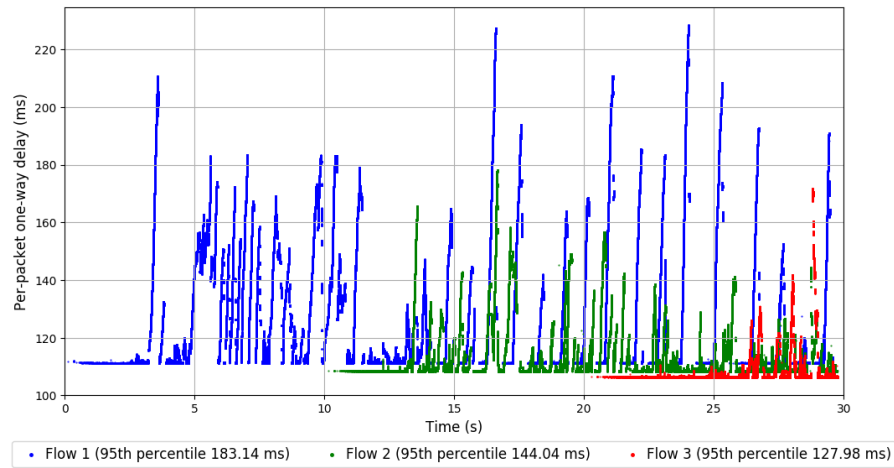
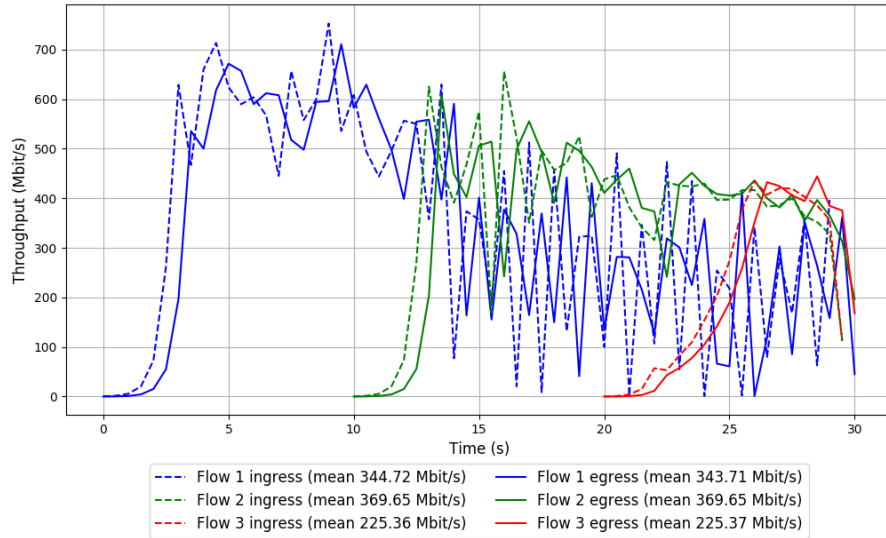
-- Flow 3:

Average throughput: 225.37 Mbit/s

95th percentile per-packet one-way delay: 127.977 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

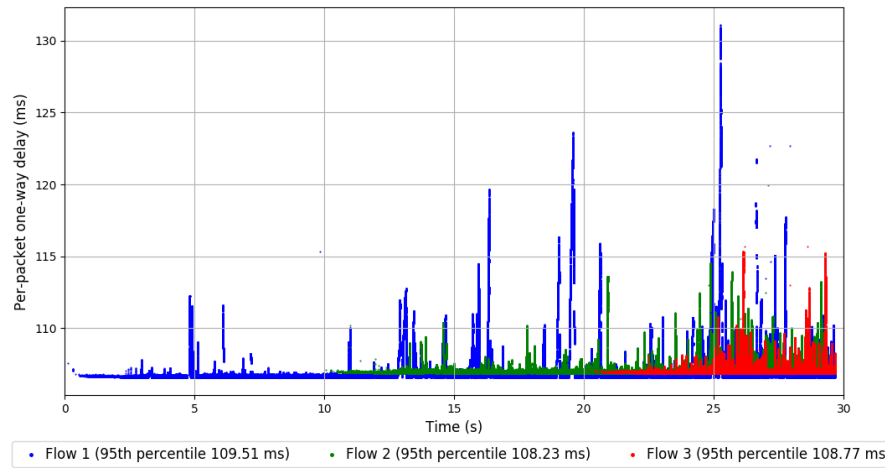
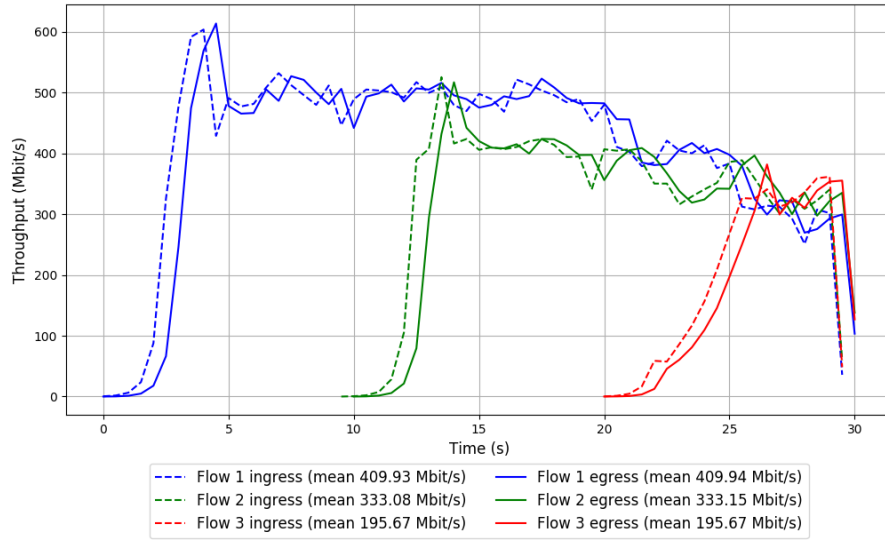


Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-12-11 08:16:54
End at: 2019-12-11 08:17:24
Local clock offset: -0.137 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2019-12-11 13:29:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 693.77 Mbit/s
95th percentile per-packet one-way delay: 108.819 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 409.94 Mbit/s
95th percentile per-packet one-way delay: 109.510 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 333.15 Mbit/s
95th percentile per-packet one-way delay: 108.231 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 195.67 Mbit/s
95th percentile per-packet one-way delay: 108.770 ms
Loss rate: 0.00%

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-12-11 09:00:33

End at: 2019-12-11 09:01:03

Local clock offset: -0.228 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2019-12-11 13:31:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 730.88 Mbit/s

95th percentile per-packet one-way delay: 140.189 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 431.88 Mbit/s

95th percentile per-packet one-way delay: 148.876 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 346.24 Mbit/s

95th percentile per-packet one-way delay: 130.682 ms

Loss rate: 0.02%

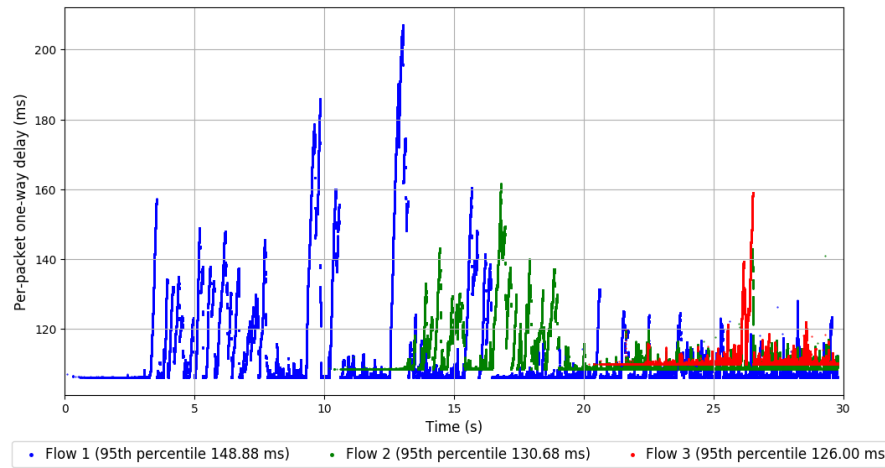
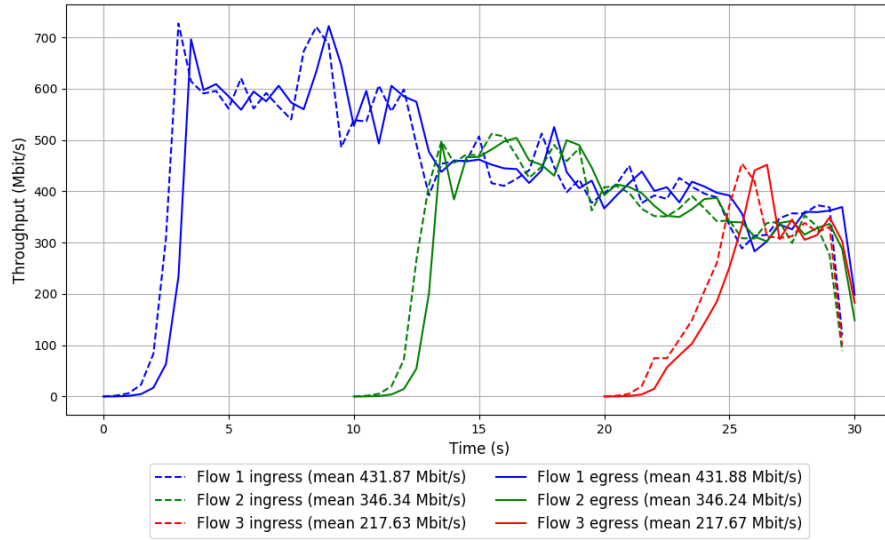
-- Flow 3:

Average throughput: 217.67 Mbit/s

95th percentile per-packet one-way delay: 125.996 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeR0 — Data Link

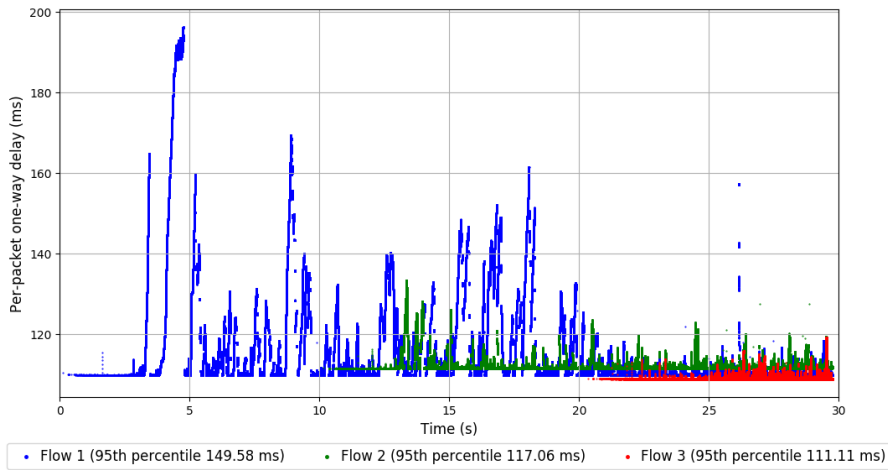
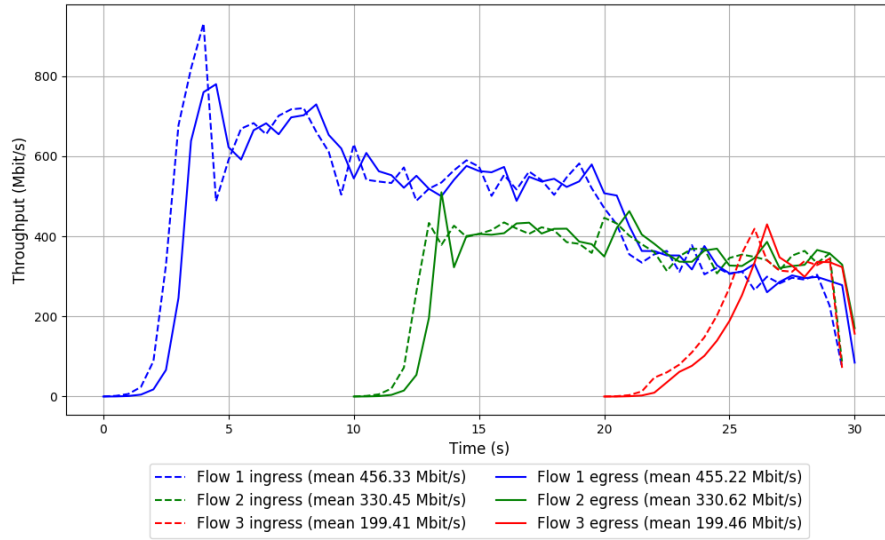


Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-12-11 09:43:54
End at: 2019-12-11 09:44:24
Local clock offset: -0.125 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2019-12-11 13:34:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 737.28 Mbit/s
95th percentile per-packet one-way delay: 142.205 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 455.22 Mbit/s
95th percentile per-packet one-way delay: 149.580 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 330.62 Mbit/s
95th percentile per-packet one-way delay: 117.059 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 199.46 Mbit/s
95th percentile per-packet one-way delay: 111.111 ms
Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

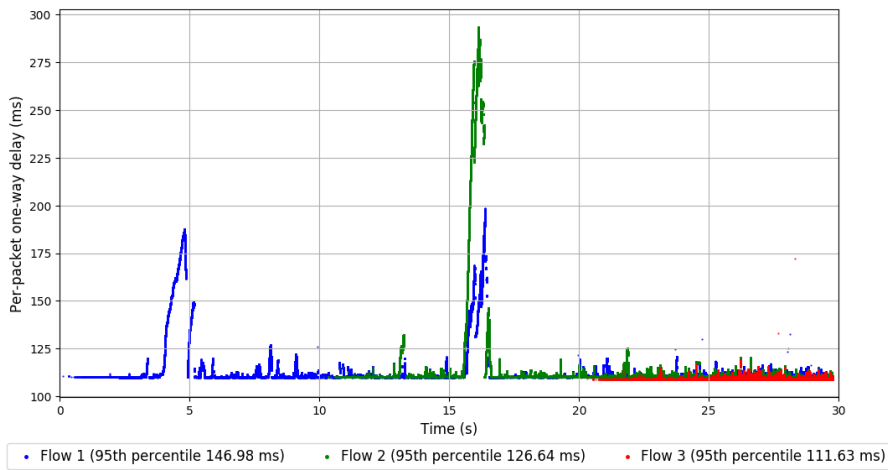
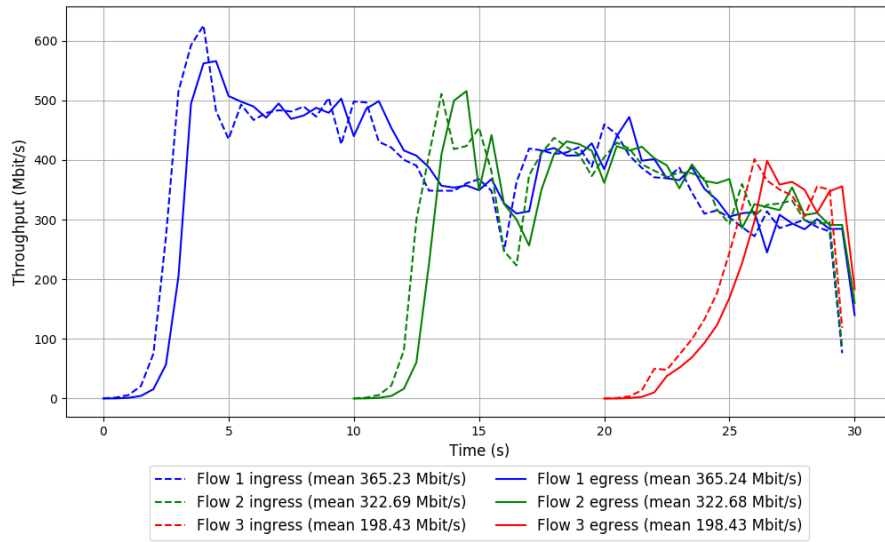


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-12-11 10:26:08
End at: 2019-12-11 10:26:38
Local clock offset: -0.16 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2019-12-11 13:34:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 642.02 Mbit/s
95th percentile per-packet one-way delay: 138.054 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 365.24 Mbit/s
95th percentile per-packet one-way delay: 146.982 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 322.68 Mbit/s
95th percentile per-packet one-way delay: 126.644 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 198.43 Mbit/s
95th percentile per-packet one-way delay: 111.634 ms
Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

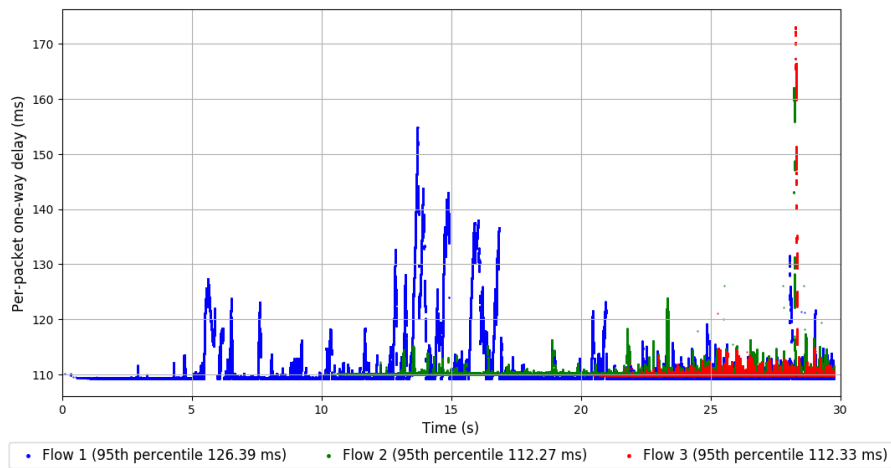
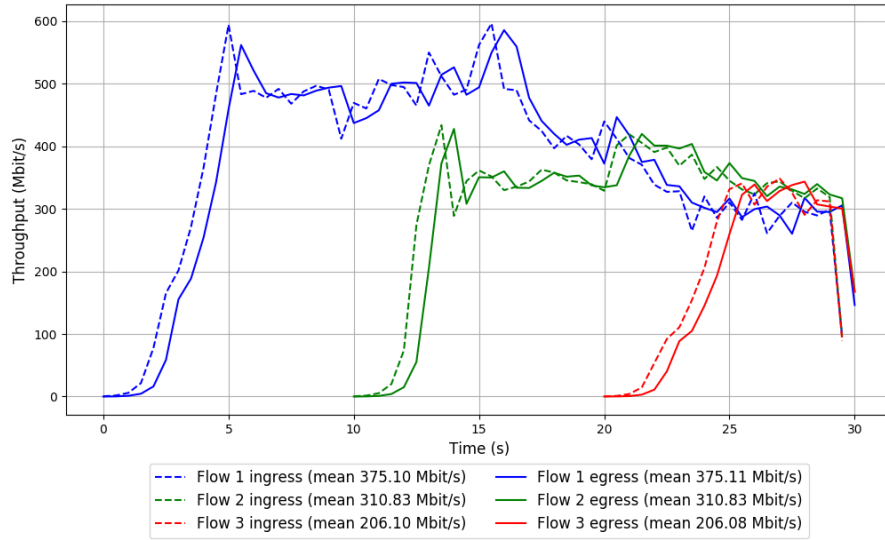


Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-12-11 11:09:04
End at: 2019-12-11 11:09:34
Local clock offset: -0.149 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-12-11 13:34:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 646.31 Mbit/s
95th percentile per-packet one-way delay: 122.176 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 375.11 Mbit/s
95th percentile per-packet one-way delay: 126.388 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 310.83 Mbit/s
95th percentile per-packet one-way delay: 112.267 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 206.08 Mbit/s
95th percentile per-packet one-way delay: 112.330 ms
Loss rate: 0.02%

Run 5: Report of Muses_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-12-11 07:55:19

End at: 2019-12-11 07:55:49

Local clock offset: 0.066 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2019-12-11 13:48:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 639.25 Mbit/s

95th percentile per-packet one-way delay: 236.240 ms

Loss rate: 3.24%

-- Flow 1:

Average throughput: 359.74 Mbit/s

95th percentile per-packet one-way delay: 229.554 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 303.91 Mbit/s

95th percentile per-packet one-way delay: 255.026 ms

Loss rate: 7.65%

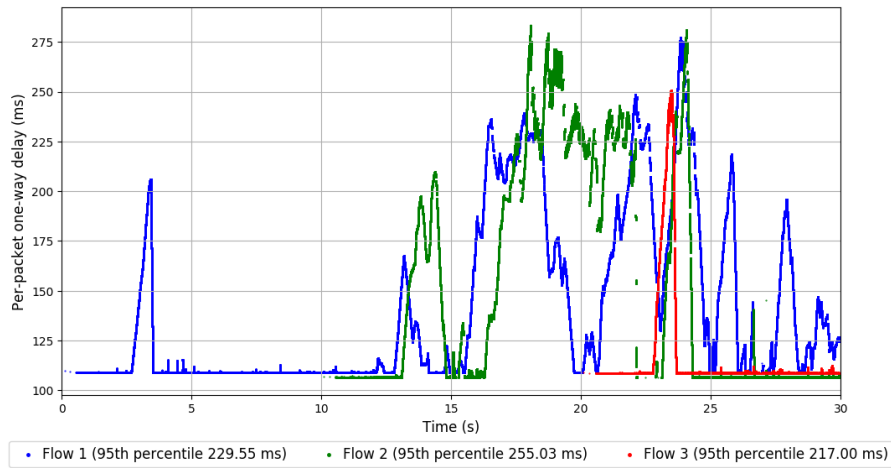
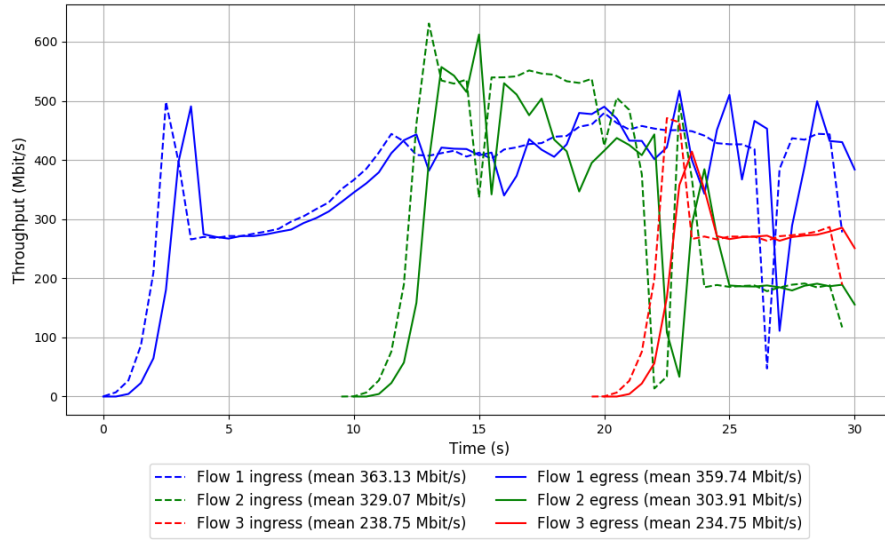
-- Flow 3:

Average throughput: 234.75 Mbit/s

95th percentile per-packet one-way delay: 216.995 ms

Loss rate: 1.68%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-12-11 08:38:19

End at: 2019-12-11 08:38:49

Local clock offset: -0.175 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2019-12-11 13:48:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 630.02 Mbit/s

95th percentile per-packet one-way delay: 233.666 ms

Loss rate: 3.46%

-- Flow 1:

Average throughput: 355.61 Mbit/s

95th percentile per-packet one-way delay: 236.131 ms

Loss rate: 5.70%

-- Flow 2:

Average throughput: 294.34 Mbit/s

95th percentile per-packet one-way delay: 223.775 ms

Loss rate: 0.53%

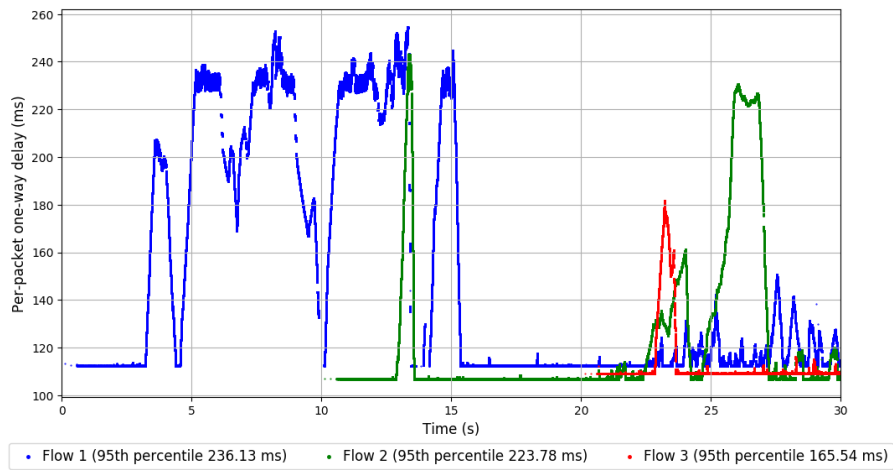
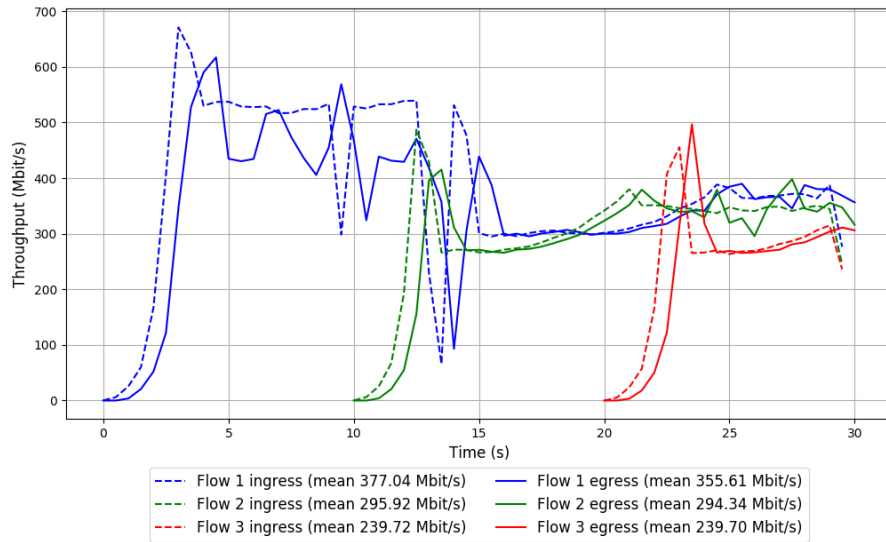
-- Flow 3:

Average throughput: 239.70 Mbit/s

95th percentile per-packet one-way delay: 165.541 ms

Loss rate: 0.02%

Run 2: Report of PCC-Allegro — Data Link

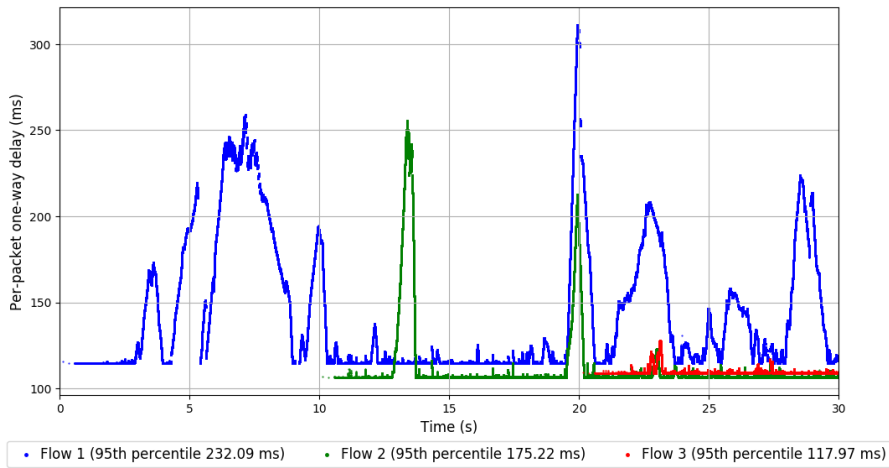
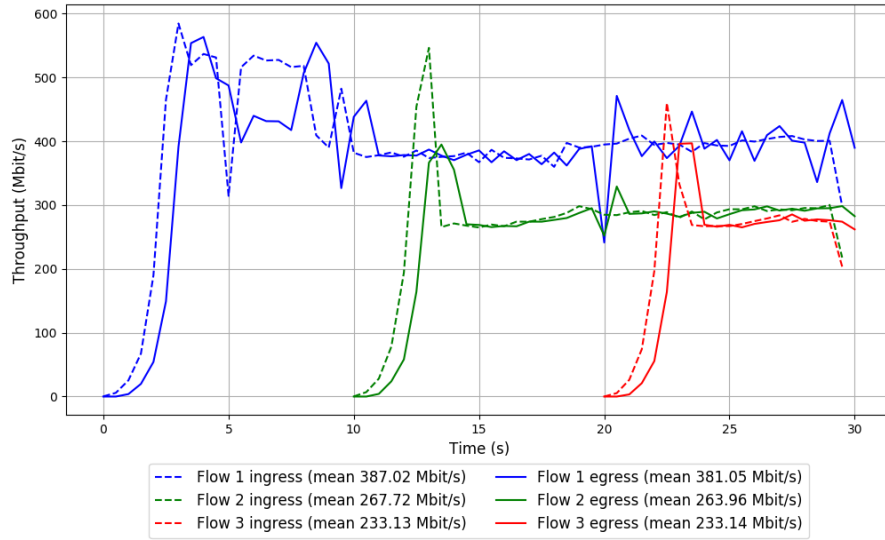


Run 3: Statistics of PCC-Allegro

Start at: 2019-12-11 09:21:55
End at: 2019-12-11 09:22:25
Local clock offset: 0.005 ms
Remote clock offset: -0.083 ms

```
# Below is generated by plot.py at 2019-12-11 13:53:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 633.19 Mbit/s
95th percentile per-packet one-way delay: 219.291 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 381.05 Mbit/s
95th percentile per-packet one-way delay: 232.085 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 263.96 Mbit/s
95th percentile per-packet one-way delay: 175.216 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 233.14 Mbit/s
95th percentile per-packet one-way delay: 117.969 ms
Loss rate: 0.03%
```

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-12-11 10:05:06

End at: 2019-12-11 10:05:36

Local clock offset: -0.035 ms

Remote clock offset: 0.33 ms

Below is generated by plot.py at 2019-12-11 13:54:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 652.79 Mbit/s

95th percentile per-packet one-way delay: 225.879 ms

Loss rate: 3.50%

-- Flow 1:

Average throughput: 388.66 Mbit/s

95th percentile per-packet one-way delay: 232.217 ms

Loss rate: 4.83%

-- Flow 2:

Average throughput: 277.96 Mbit/s

95th percentile per-packet one-way delay: 189.800 ms

Loss rate: 1.73%

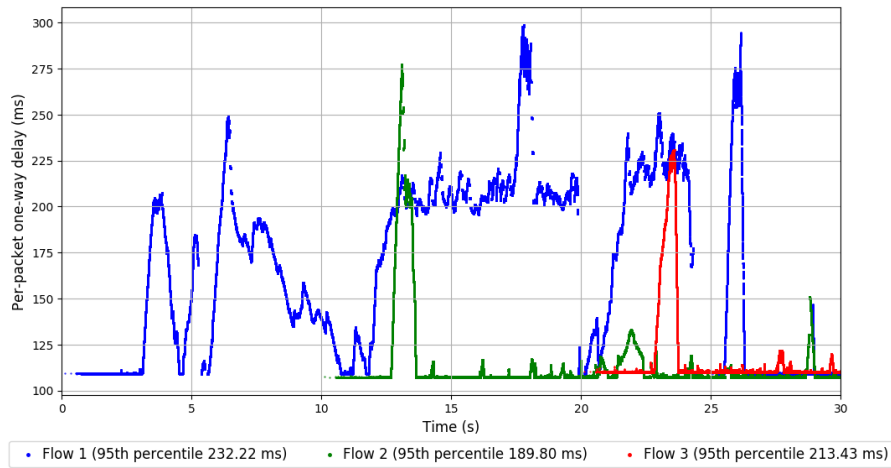
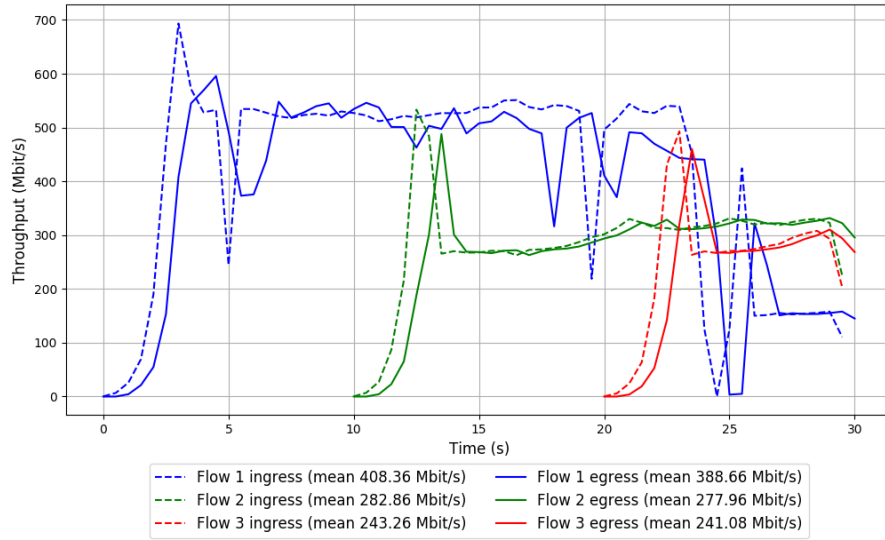
-- Flow 3:

Average throughput: 241.08 Mbit/s

95th percentile per-packet one-way delay: 213.434 ms

Loss rate: 0.89%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-12-11 10:47:28

End at: 2019-12-11 10:47:58

Local clock offset: -0.196 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2019-12-11 13:54:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 581.35 Mbit/s

95th percentile per-packet one-way delay: 185.464 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 323.77 Mbit/s

95th percentile per-packet one-way delay: 180.253 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 274.93 Mbit/s

95th percentile per-packet one-way delay: 141.172 ms

Loss rate: 0.33%

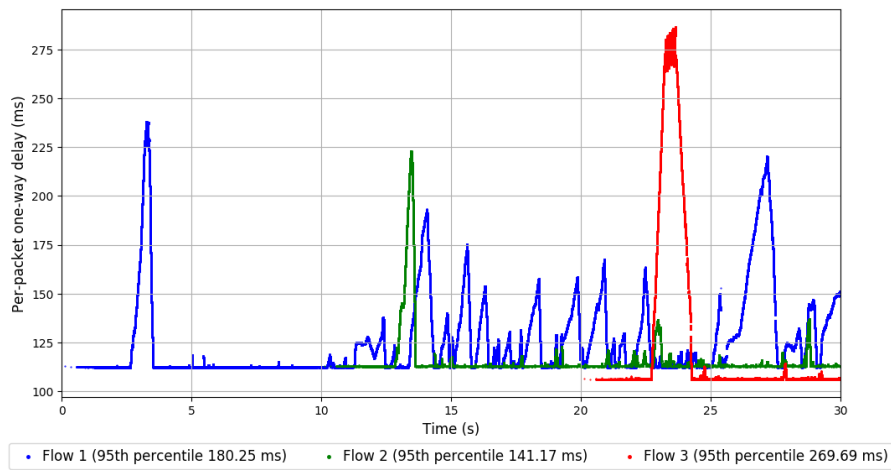
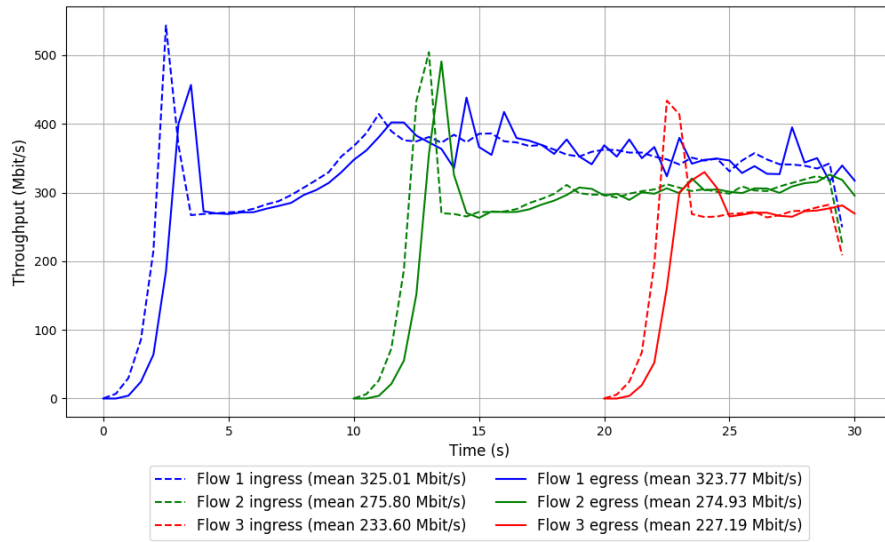
-- Flow 3:

Average throughput: 227.19 Mbit/s

95th percentile per-packet one-way delay: 269.692 ms

Loss rate: 2.74%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-12-11 08:18:50

End at: 2019-12-11 08:19:20

Local clock offset: -0.149 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2019-12-11 13:54:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 413.57 Mbit/s

95th percentile per-packet one-way delay: 157.779 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 241.85 Mbit/s

95th percentile per-packet one-way delay: 180.107 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 180.12 Mbit/s

95th percentile per-packet one-way delay: 138.757 ms

Loss rate: 0.00%

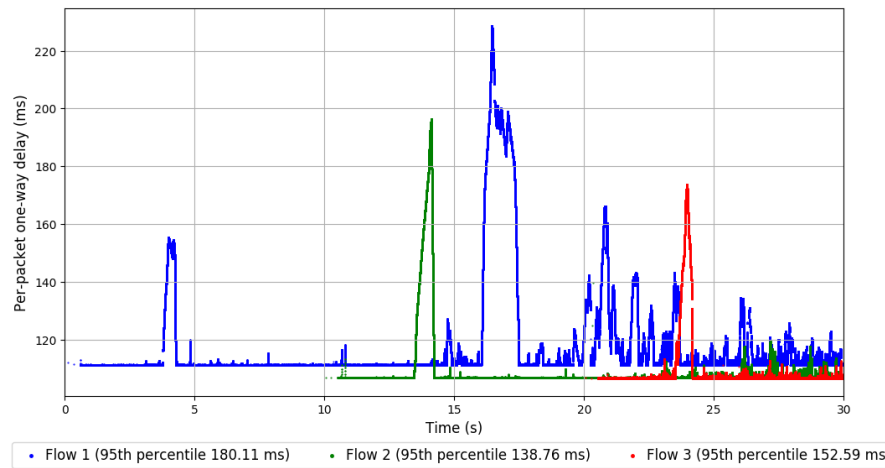
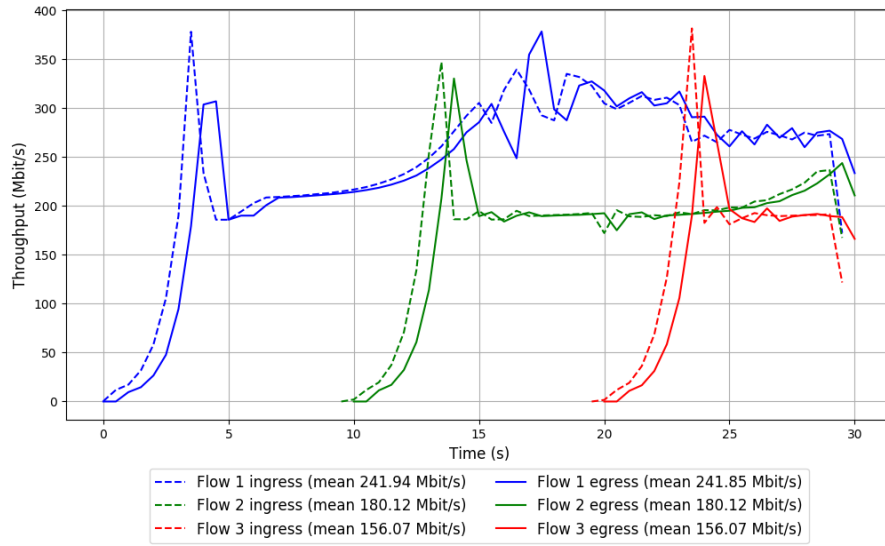
-- Flow 3:

Average throughput: 156.07 Mbit/s

95th percentile per-packet one-way delay: 152.587 ms

Loss rate: 0.00%

Run 1: Report of PCC-Expr — Data Link

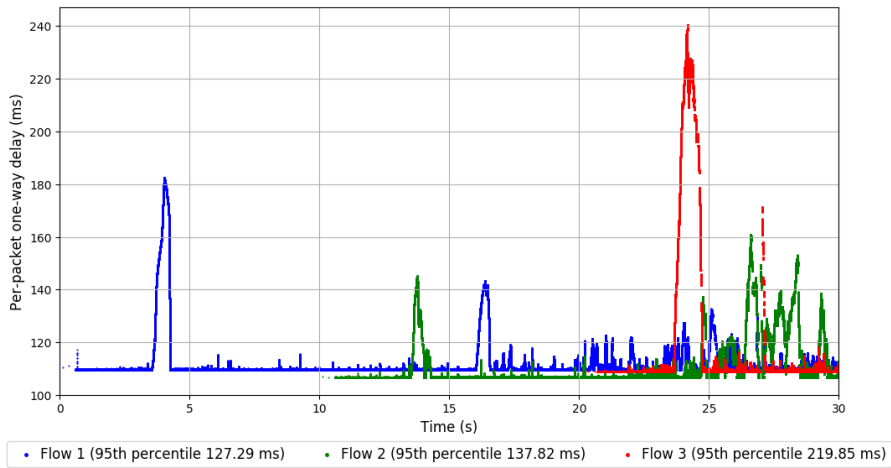
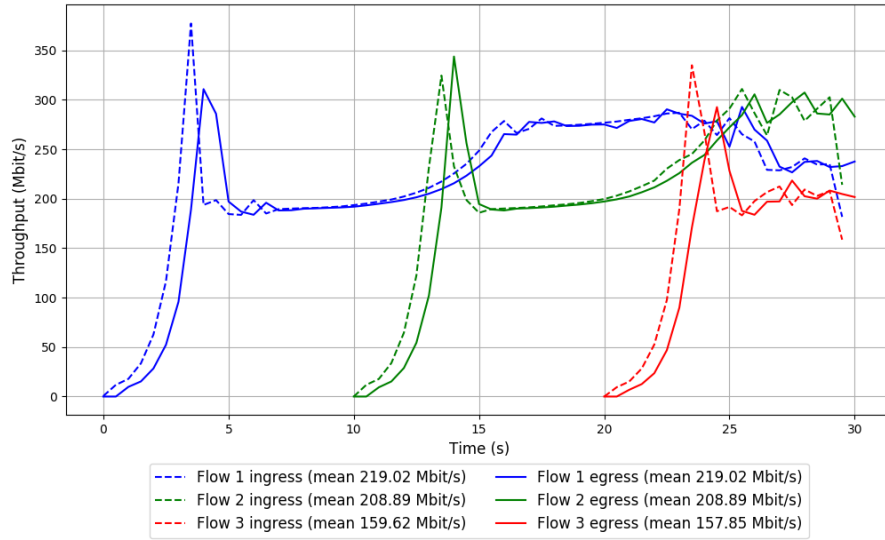


Run 2: Statistics of PCC-Expr

Start at: 2019-12-11 09:02:31
End at: 2019-12-11 09:03:01
Local clock offset: -0.002 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-12-11 13:54:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 410.02 Mbit/s
95th percentile per-packet one-way delay: 141.624 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 219.02 Mbit/s
95th percentile per-packet one-way delay: 127.291 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 208.89 Mbit/s
95th percentile per-packet one-way delay: 137.822 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 157.85 Mbit/s
95th percentile per-packet one-way delay: 219.849 ms
Loss rate: 1.10%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-12-11 09:45:52

End at: 2019-12-11 09:46:22

Local clock offset: -0.052 ms

Remote clock offset: 0.355 ms

Below is generated by plot.py at 2019-12-11 13:54:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 386.13 Mbit/s

95th percentile per-packet one-way delay: 223.758 ms

Loss rate: 2.67%

-- Flow 1:

Average throughput: 273.41 Mbit/s

95th percentile per-packet one-way delay: 220.051 ms

Loss rate: 2.18%

-- Flow 2:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 231.886 ms

Loss rate: 3.98%

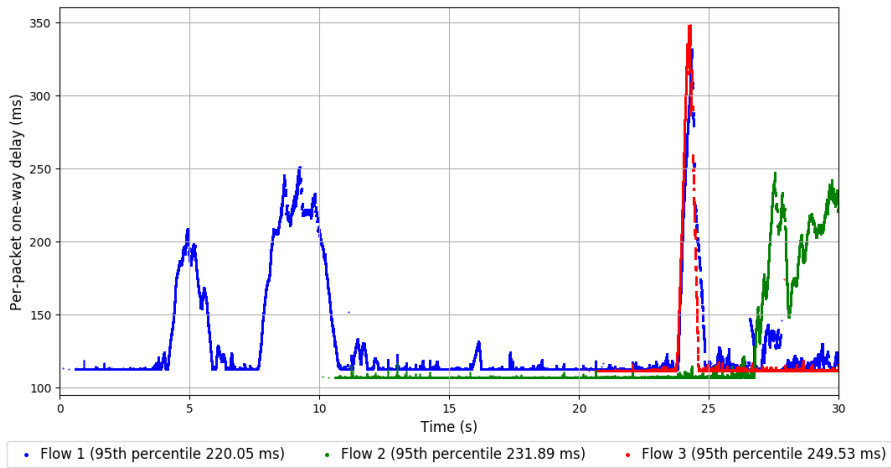
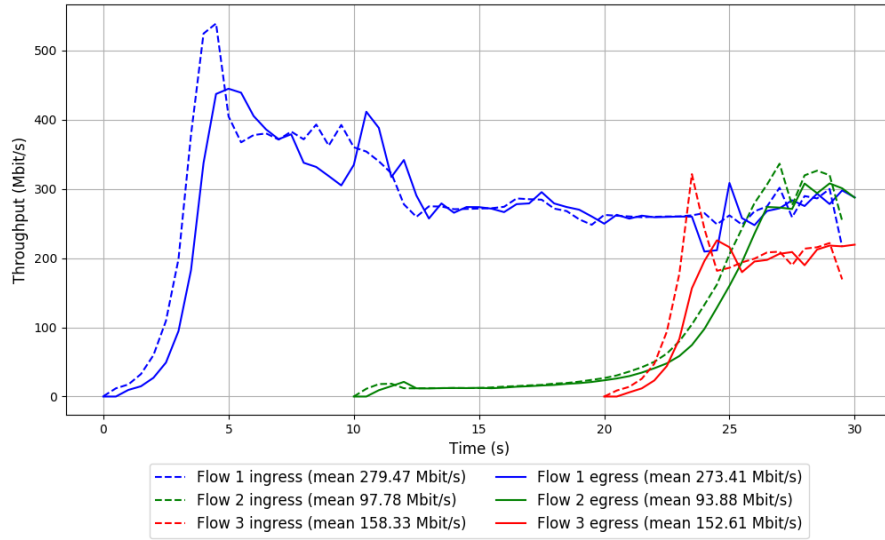
-- Flow 3:

Average throughput: 152.61 Mbit/s

95th percentile per-packet one-way delay: 249.526 ms

Loss rate: 3.63%

Run 3: Report of PCC-Expr — Data Link

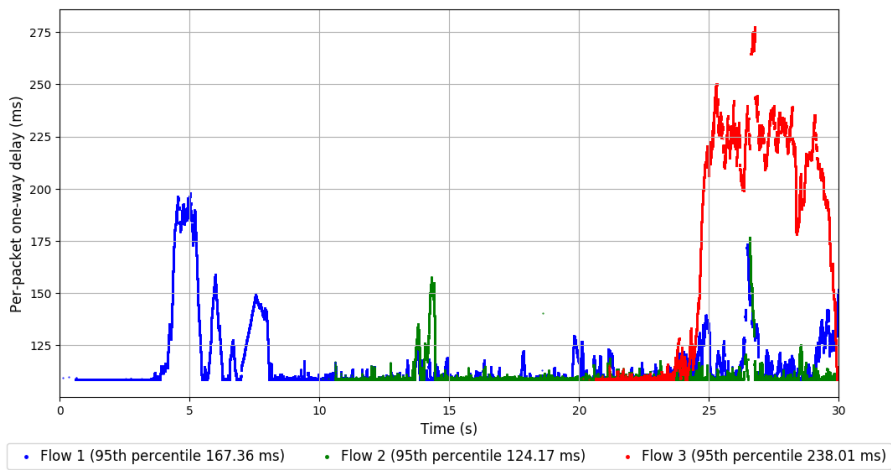
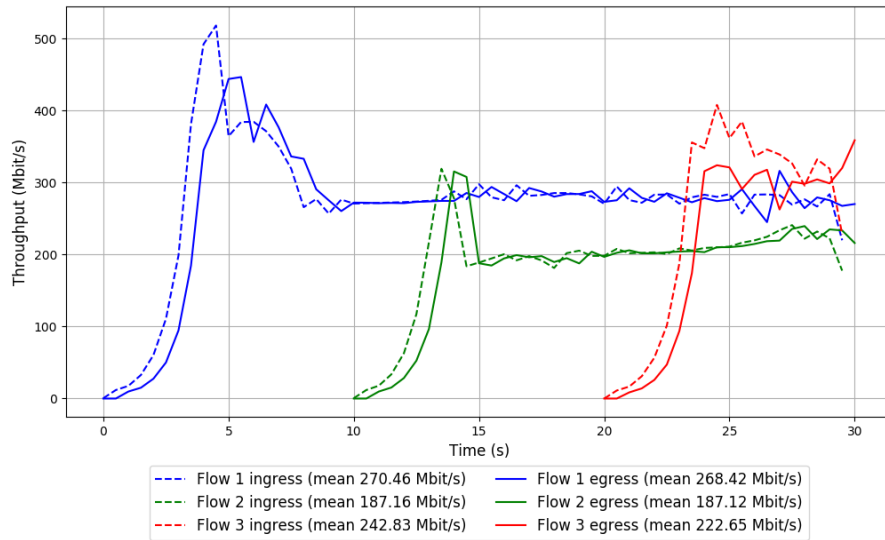


Run 4: Statistics of PCC-Expr

Start at: 2019-12-11 10:28:01
End at: 2019-12-11 10:28:31
Local clock offset: -0.093 ms
Remote clock offset: -0.069 ms

```
# Below is generated by plot.py at 2019-12-11 14:04:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 466.29 Mbit/s
95th percentile per-packet one-way delay: 222.111 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 268.42 Mbit/s
95th percentile per-packet one-way delay: 167.363 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 187.12 Mbit/s
95th percentile per-packet one-way delay: 124.167 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 222.65 Mbit/s
95th percentile per-packet one-way delay: 238.007 ms
Loss rate: 8.31%
```

Run 4: Report of PCC-Expr — Data Link

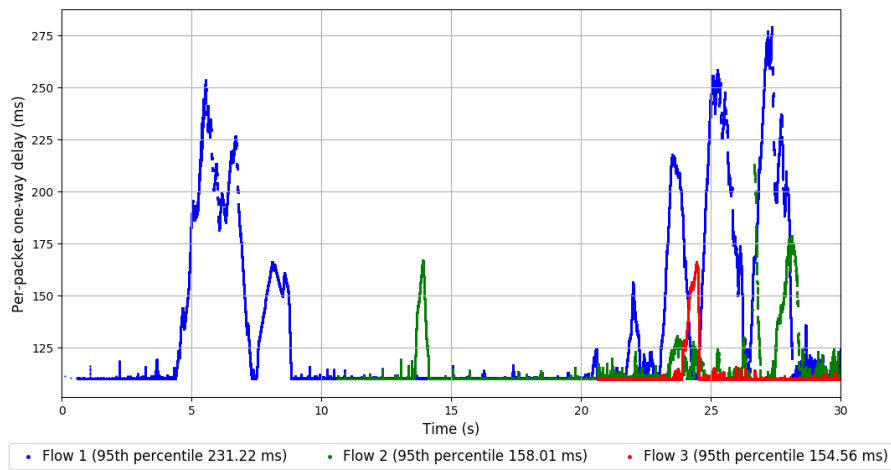
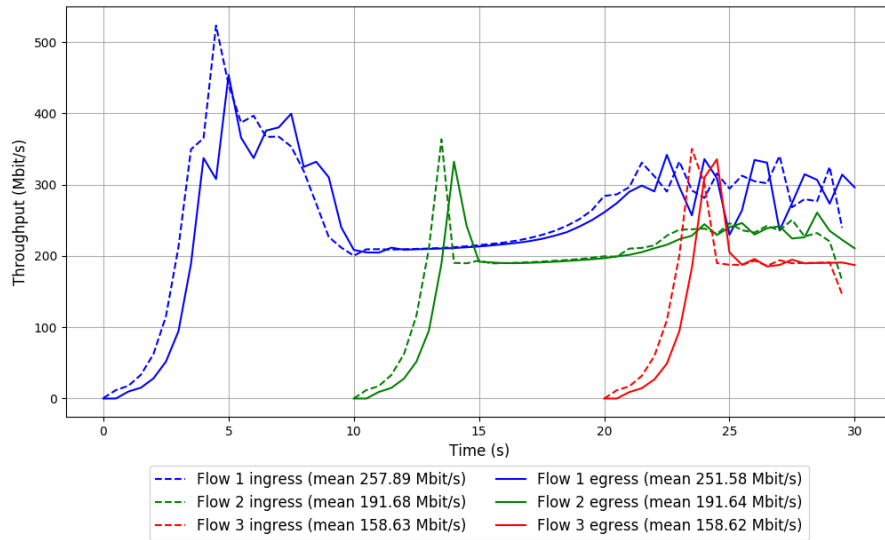


Run 5: Statistics of PCC-Expr

Start at: 2019-12-11 11:10:58
End at: 2019-12-11 11:11:28
Local clock offset: -0.107 ms
Remote clock offset: -0.048 ms

```
# Below is generated by plot.py at 2019-12-11 14:04:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 431.32 Mbit/s
95th percentile per-packet one-way delay: 214.431 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 251.58 Mbit/s
95th percentile per-packet one-way delay: 231.216 ms
Loss rate: 2.46%
-- Flow 2:
Average throughput: 191.64 Mbit/s
95th percentile per-packet one-way delay: 158.007 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 158.62 Mbit/s
95th percentile per-packet one-way delay: 154.564 ms
Loss rate: 0.03%
```

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-12-11 07:57:23

End at: 2019-12-11 07:57:53

Local clock offset: -0.101 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2019-12-11 14:04:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.50 Mbit/s

95th percentile per-packet one-way delay: 109.005 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 107.857 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.49 Mbit/s

95th percentile per-packet one-way delay: 109.013 ms

Loss rate: 0.00%

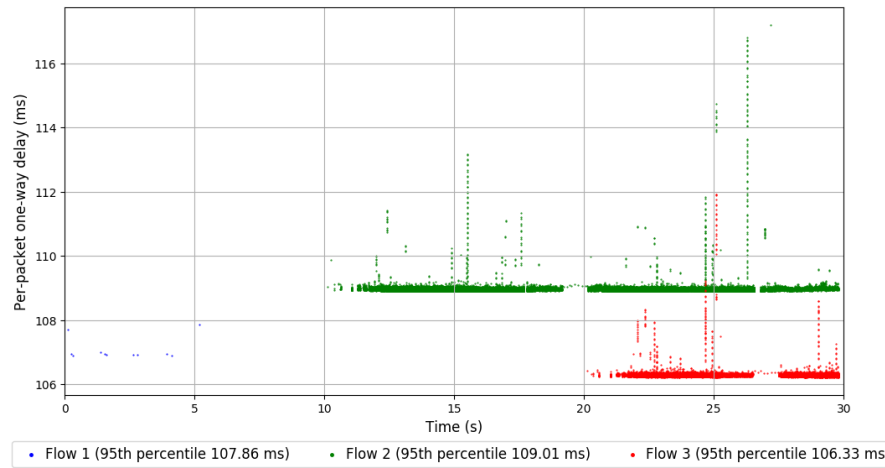
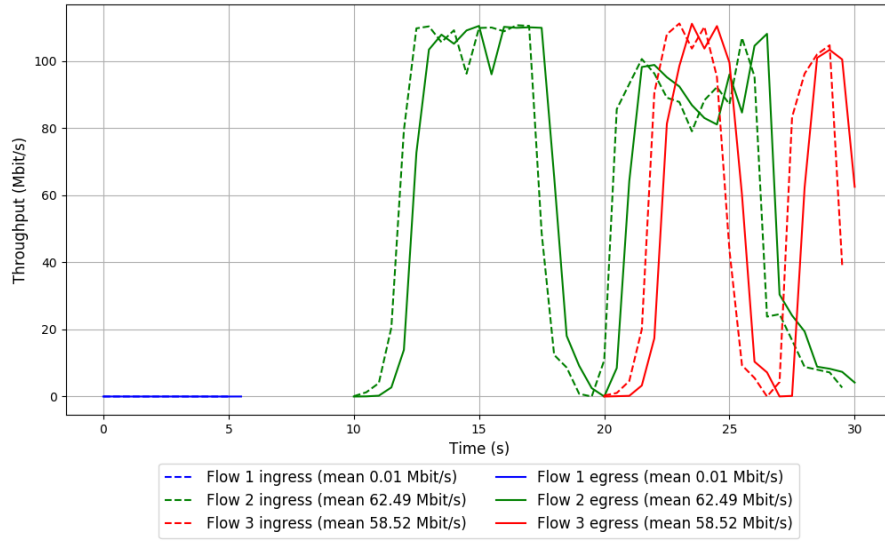
-- Flow 3:

Average throughput: 58.52 Mbit/s

95th percentile per-packet one-way delay: 106.334 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-12-11 08:40:23

End at: 2019-12-11 08:40:53

Local clock offset: -0.08 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2019-12-11 14:04:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 117.10 Mbit/s

95th percentile per-packet one-way delay: 112.431 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.90 Mbit/s

95th percentile per-packet one-way delay: 106.092 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.47 Mbit/s

95th percentile per-packet one-way delay: 112.456 ms

Loss rate: 0.00%

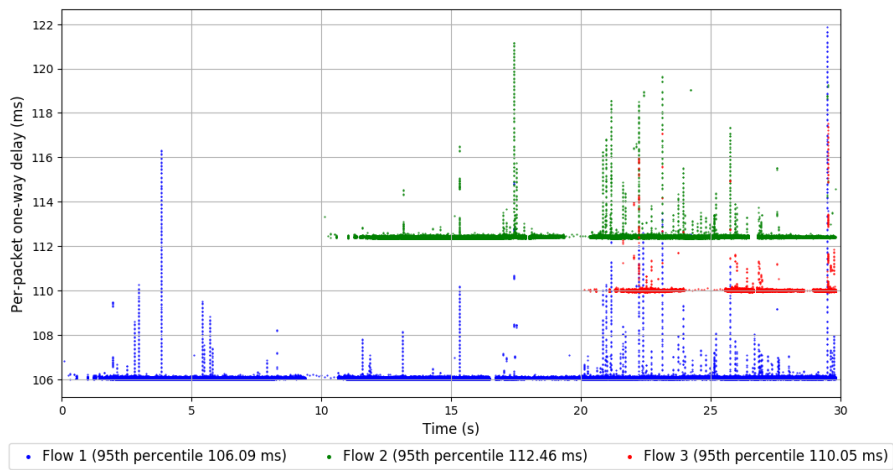
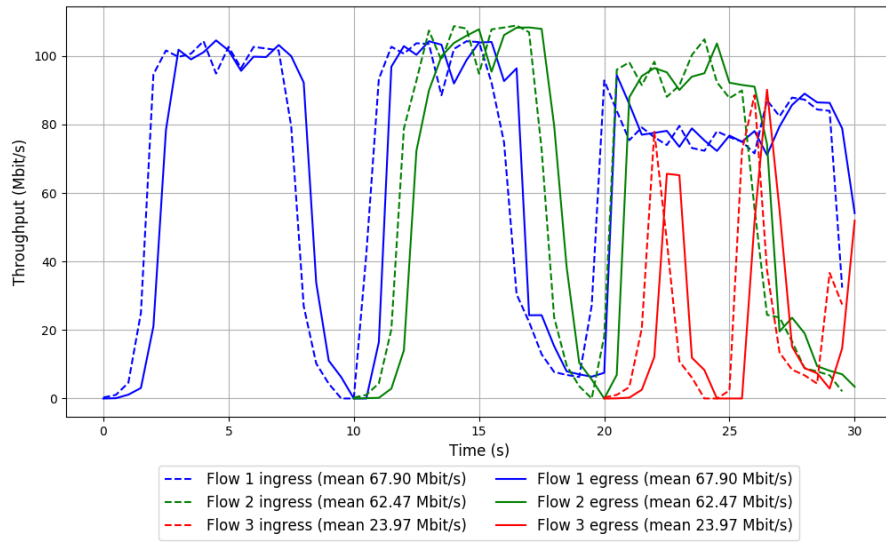
-- Flow 3:

Average throughput: 23.97 Mbit/s

95th percentile per-packet one-way delay: 110.047 ms

Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link

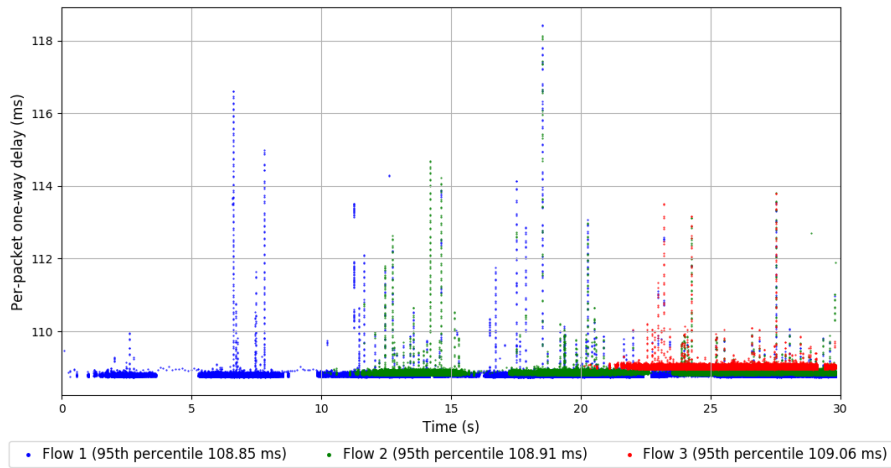
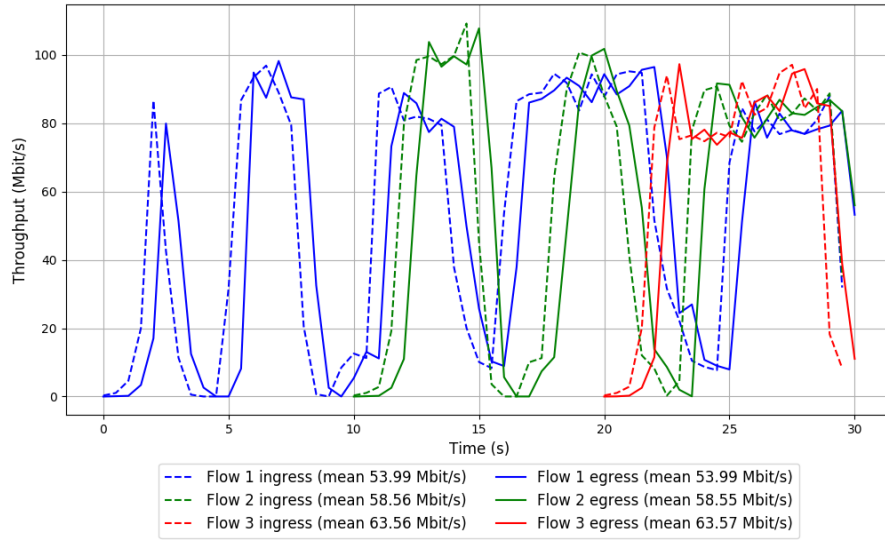


Run 3: Statistics of QUIC Cubic

Start at: 2019-12-11 09:23:59
End at: 2019-12-11 09:24:29
Local clock offset: 0.027 ms
Remote clock offset: -0.032 ms

```
# Below is generated by plot.py at 2019-12-11 14:04:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 113.48 Mbit/s
95th percentile per-packet one-way delay: 109.024 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 53.99 Mbit/s
95th percentile per-packet one-way delay: 108.849 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 58.55 Mbit/s
95th percentile per-packet one-way delay: 108.907 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 109.063 ms
Loss rate: 0.01%
```

Run 3: Report of QUIC Cubic — Data Link

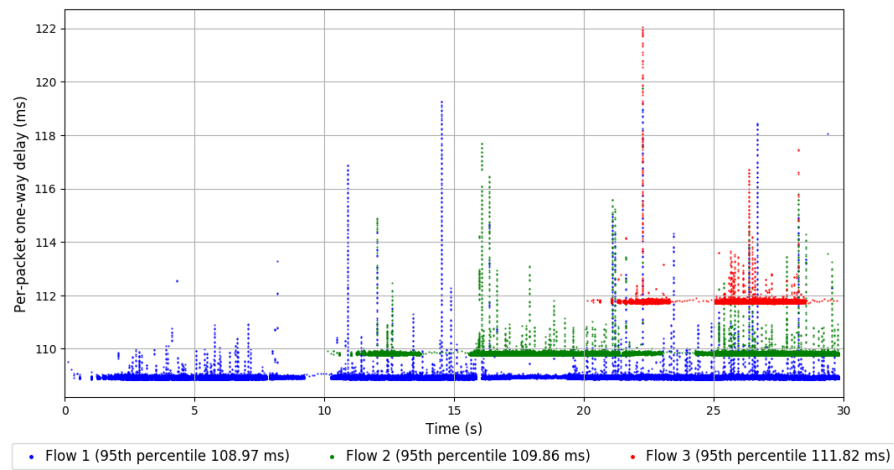
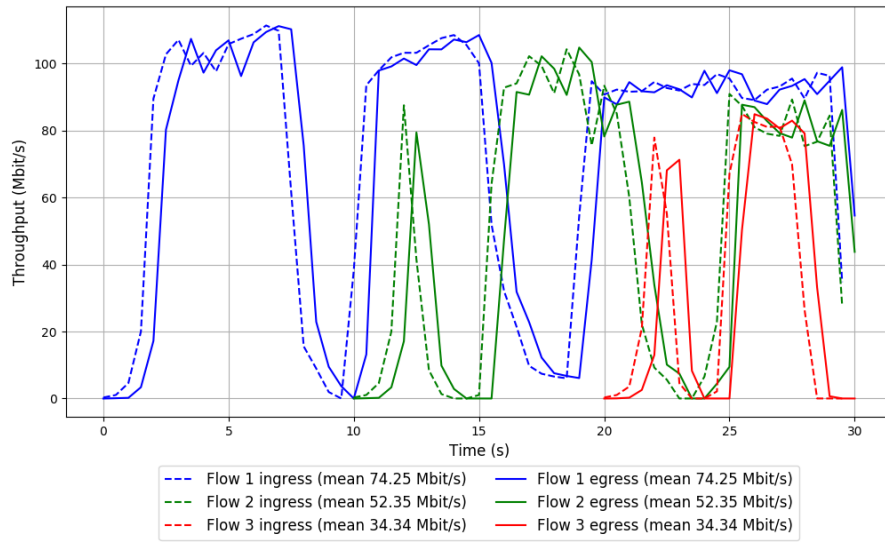


Run 4: Statistics of QUIC Cubic

Start at: 2019-12-11 10:07:12
End at: 2019-12-11 10:07:42
Local clock offset: -0.13 ms
Remote clock offset: -0.044 ms

```
# Below is generated by plot.py at 2019-12-11 14:04:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 120.06 Mbit/s
95th percentile per-packet one-way delay: 111.751 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.25 Mbit/s
95th percentile per-packet one-way delay: 108.975 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 52.35 Mbit/s
95th percentile per-packet one-way delay: 109.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 111.818 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-12-11 10:49:29

End at: 2019-12-11 10:49:59

Local clock offset: -0.059 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2019-12-11 14:04:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 108.25 Mbit/s

95th percentile per-packet one-way delay: 111.486 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.31 Mbit/s

95th percentile per-packet one-way delay: 111.499 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.77 Mbit/s

95th percentile per-packet one-way delay: 106.161 ms

Loss rate: 0.00%

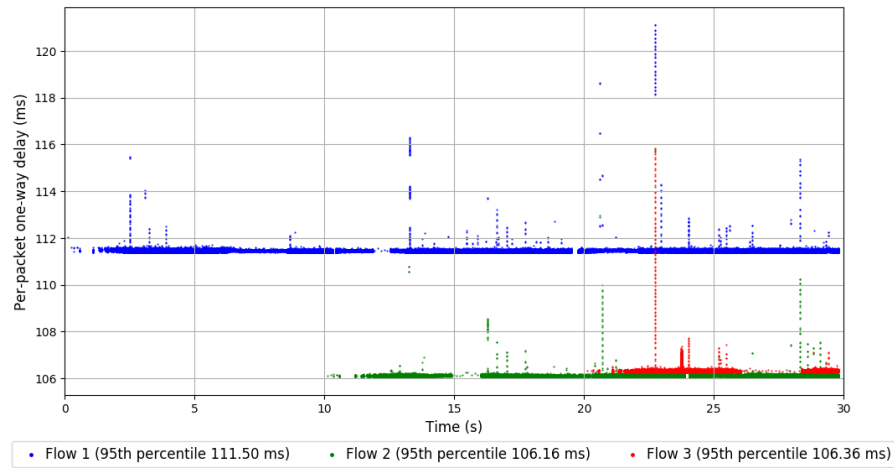
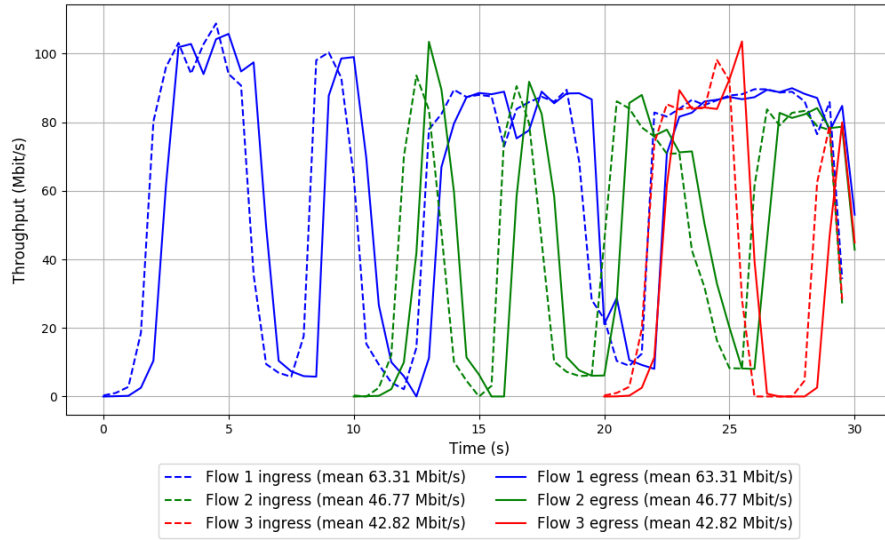
-- Flow 3:

Average throughput: 42.82 Mbit/s

95th percentile per-packet one-way delay: 106.365 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-12-11 08:22:49

End at: 2019-12-11 08:23:19

Local clock offset: -0.242 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2019-12-11 14:04:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 112.607 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.622 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.227 ms

Loss rate: 0.00%

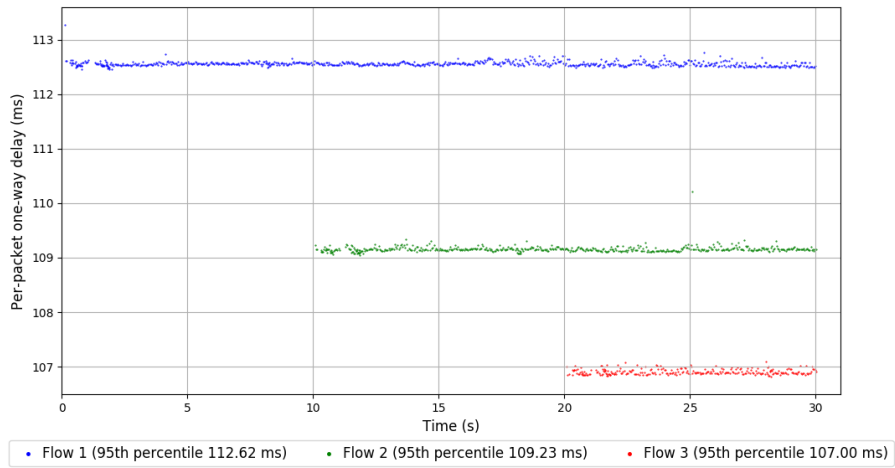
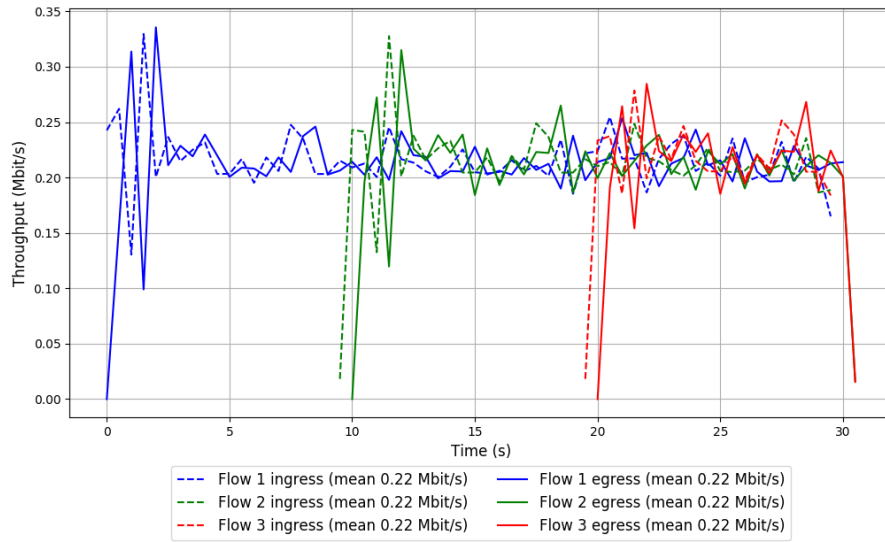
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 107.005 ms

Loss rate: 0.00%

Run 1: Report of SCReAM — Data Link

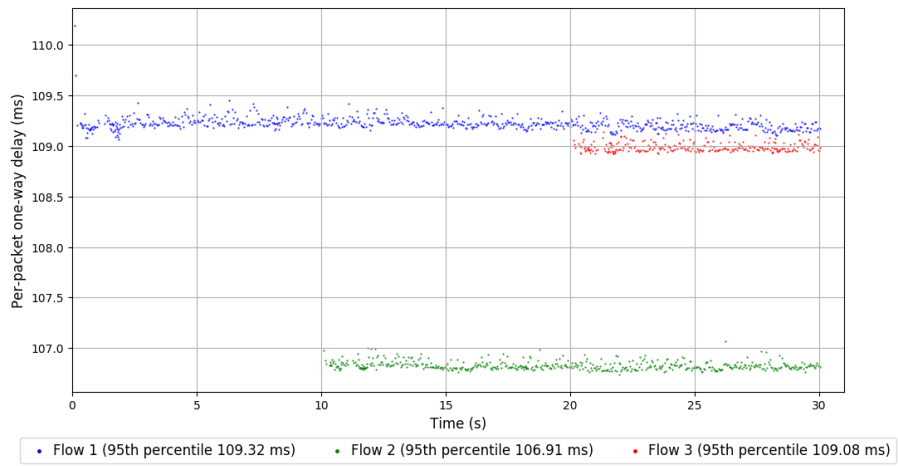
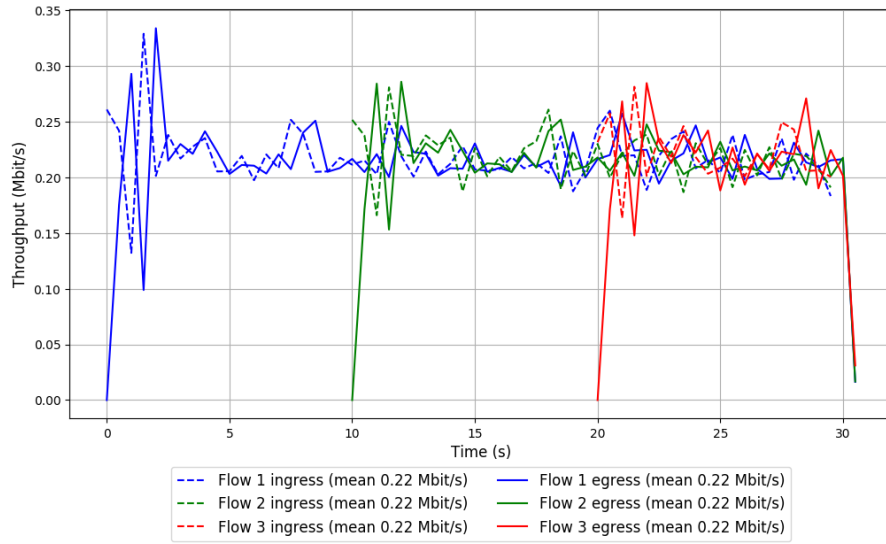


Run 2: Statistics of SCReAM

Start at: 2019-12-11 09:06:30
End at: 2019-12-11 09:07:00
Local clock offset: -0.056 ms
Remote clock offset: -0.083 ms

```
# Below is generated by plot.py at 2019-12-11 14:04:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.294 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.321 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.914 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.083 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

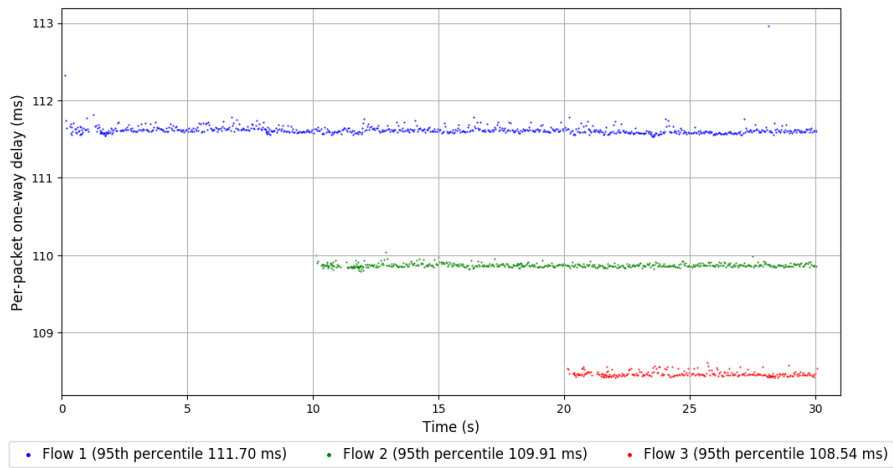
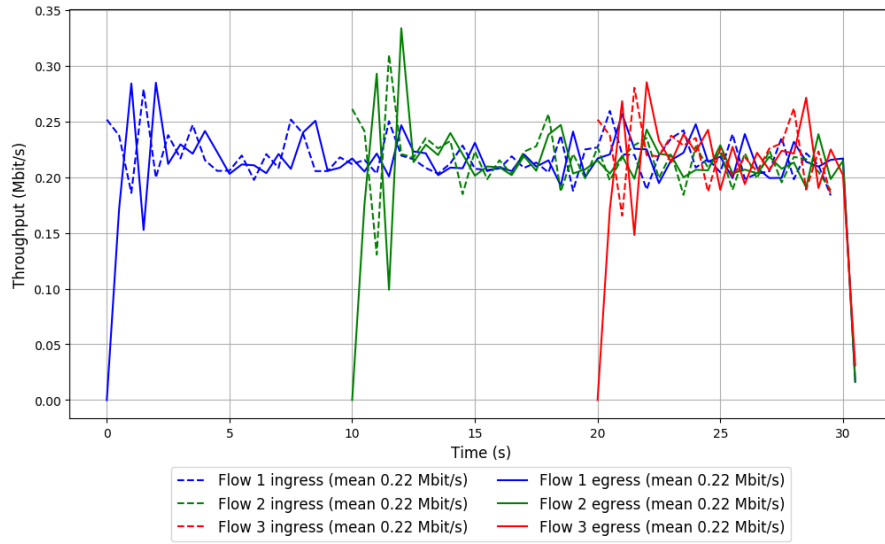


Run 3: Statistics of SCReAM

Start at: 2019-12-11 09:49:49
End at: 2019-12-11 09:50:19
Local clock offset: -0.136 ms
Remote clock offset: -0.025 ms

```
# Below is generated by plot.py at 2019-12-11 14:04:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 111.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.704 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.912 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.541 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

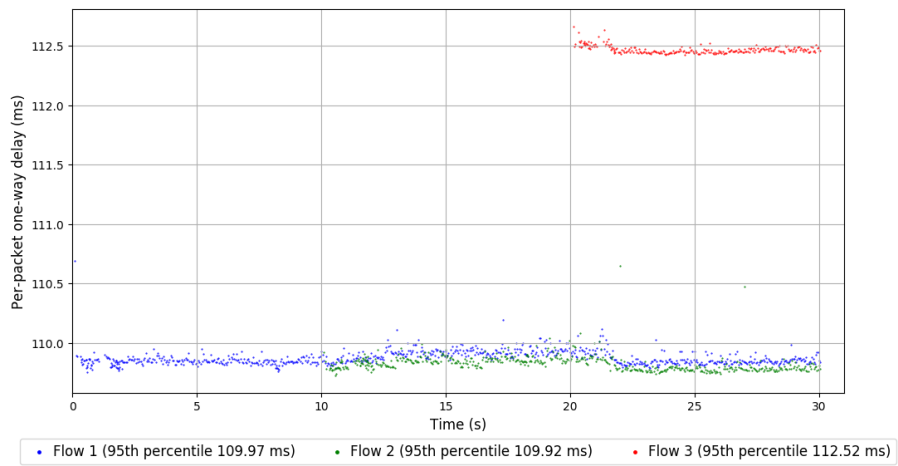
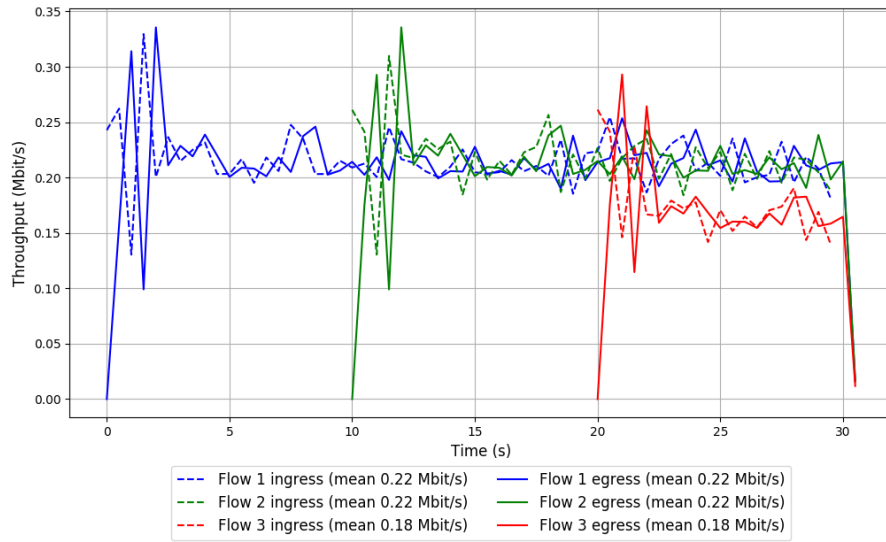


Run 4: Statistics of SCReAM

Start at: 2019-12-11 10:32:05
End at: 2019-12-11 10:32:35
Local clock offset: -0.142 ms
Remote clock offset: -0.038 ms

```
# Below is generated by plot.py at 2019-12-11 14:04:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 112.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.967 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.922 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.524 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-12-11 11:15:01

End at: 2019-12-11 11:15:31

Local clock offset: -0.162 ms

Remote clock offset: 0.323 ms

Below is generated by plot.py at 2019-12-11 14:04:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 110.570 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.504 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.341 ms

Loss rate: 0.00%

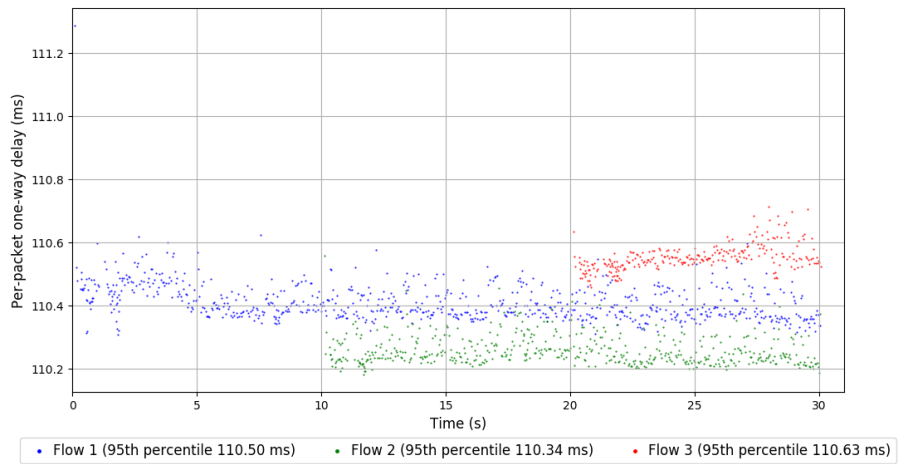
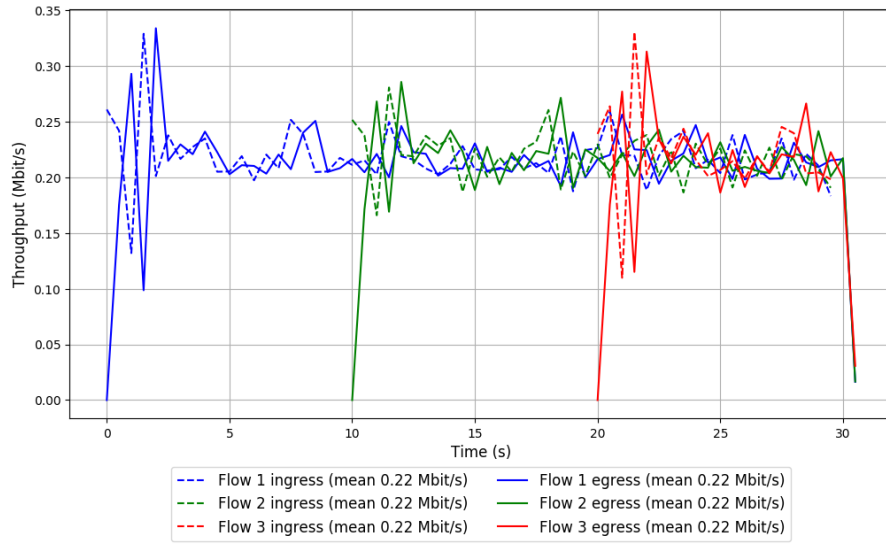
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.631 ms

Loss rate: 0.00%

Run 5: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-12-11 07:50:28

End at: 2019-12-11 07:50:58

Local clock offset: -0.095 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2019-12-11 14:04:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 110.199 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 106.581 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 110.239 ms

Loss rate: 0.00%

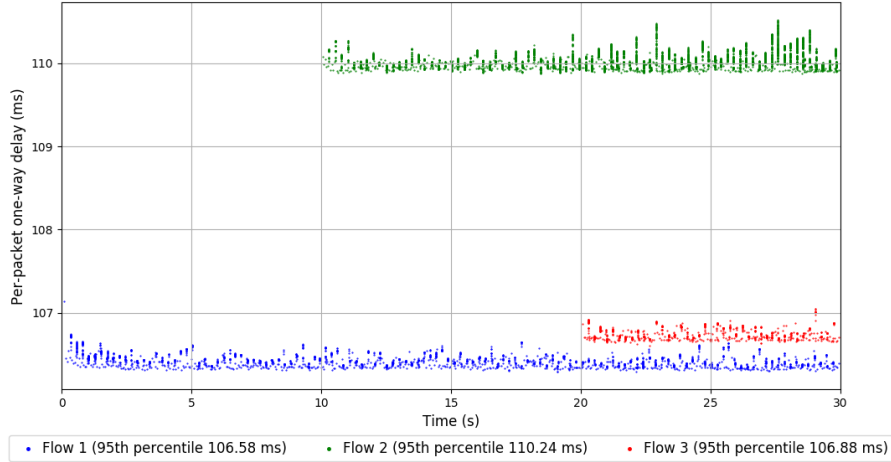
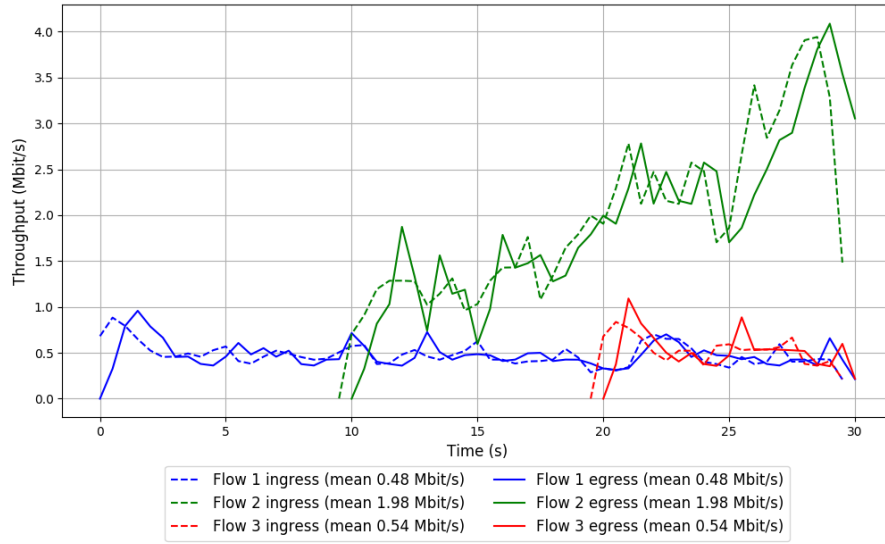
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 106.877 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

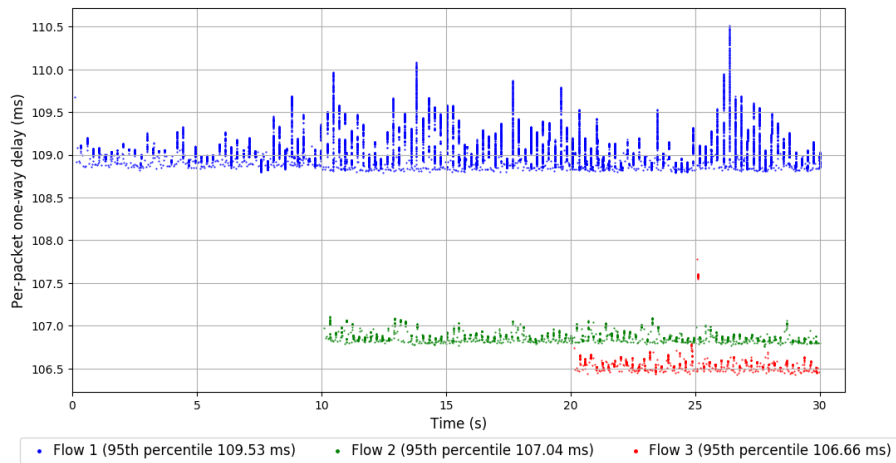
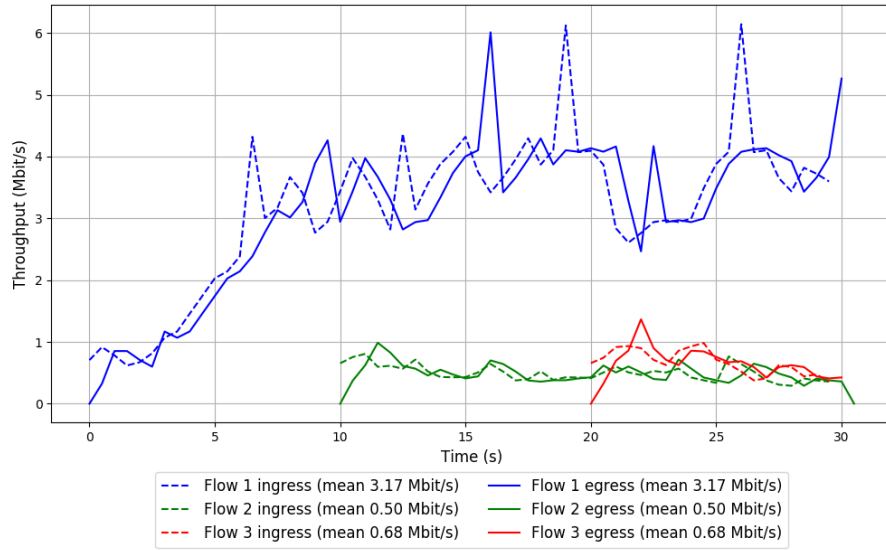


Run 2: Statistics of Sprout

Start at: 2019-12-11 08:33:13
End at: 2019-12-11 08:33:43
Local clock offset: 0.146 ms
Remote clock offset: -0.034 ms

```
# Below is generated by plot.py at 2019-12-11 14:04:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 109.503 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 109.530 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 107.039 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 106.661 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

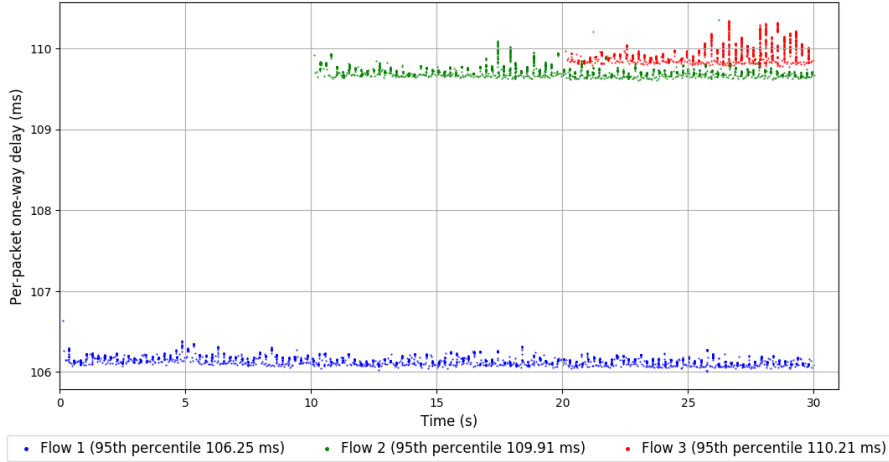
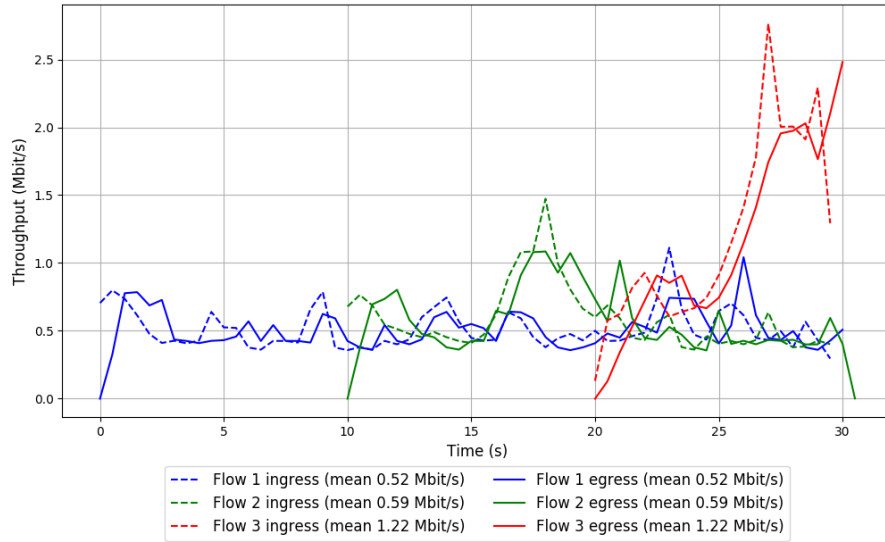


Run 3: Statistics of Sprout

Start at: 2019-12-11 09:16:50
End at: 2019-12-11 09:17:20
Local clock offset: -0.074 ms
Remote clock offset: -0.122 ms

```
# Below is generated by plot.py at 2019-12-11 14:04:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 110.075 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 106.255 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 109.911 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 110.207 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

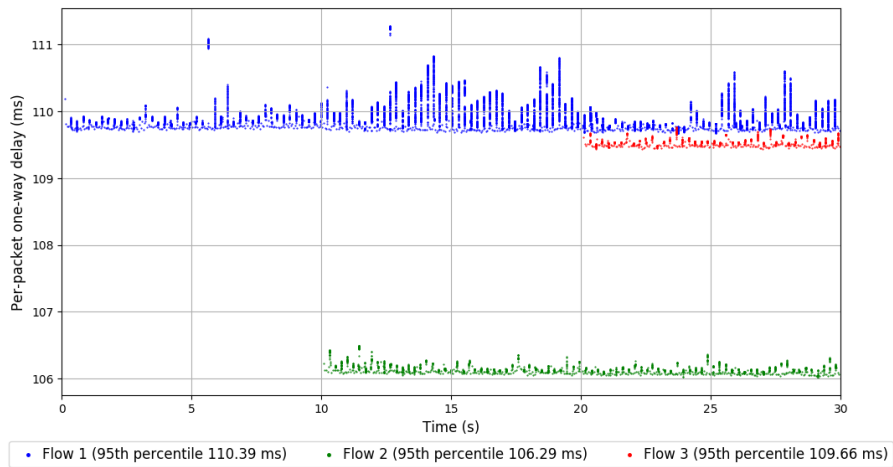
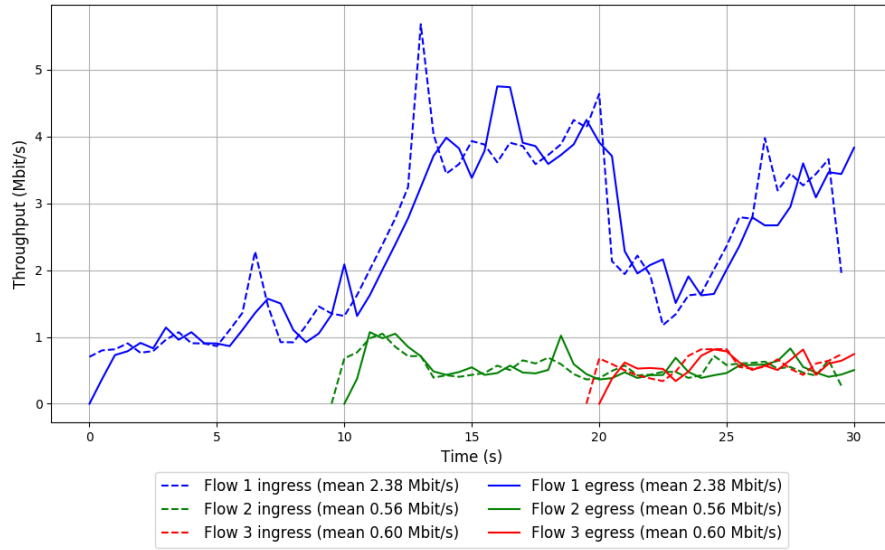


Run 4: Statistics of Sprout

Start at: 2019-12-11 10:00:07
End at: 2019-12-11 10:00:37
Local clock offset: -0.088 ms
Remote clock offset: -0.032 ms

```
# Below is generated by plot.py at 2019-12-11 14:04:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 110.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 110.391 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 106.289 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 109.661 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

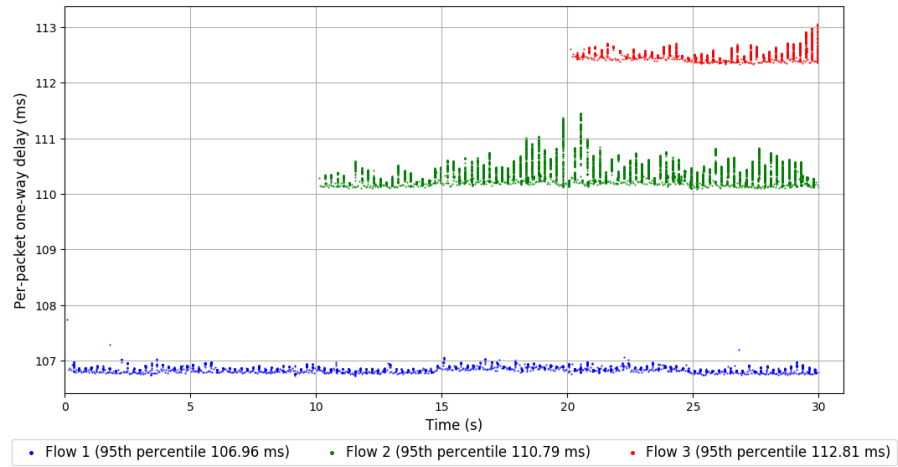
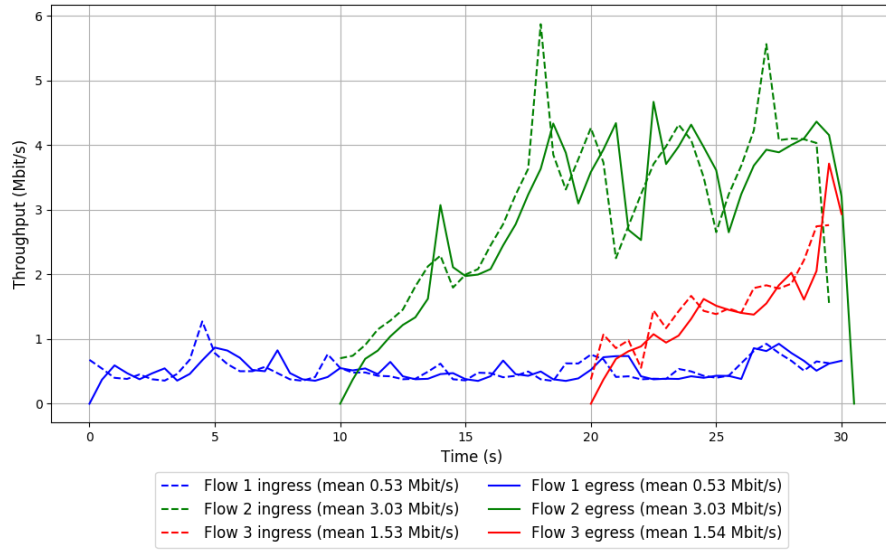


Run 5: Statistics of Sprout

Start at: 2019-12-11 10:42:24
End at: 2019-12-11 10:42:54
Local clock offset: -0.194 ms
Remote clock offset: -0.004 ms

```
# Below is generated by plot.py at 2019-12-11 14:04:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 112.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 106.956 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 110.787 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 112.809 ms
Loss rate: 0.01%
```

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-12-11 07:47:10

End at: 2019-12-11 07:47:40

Local clock offset: -0.01 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2019-12-11 14:08:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 426.15 Mbit/s

95th percentile per-packet one-way delay: 109.621 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 216.40 Mbit/s

95th percentile per-packet one-way delay: 109.210 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 212.16 Mbit/s

95th percentile per-packet one-way delay: 108.013 ms

Loss rate: 0.00%

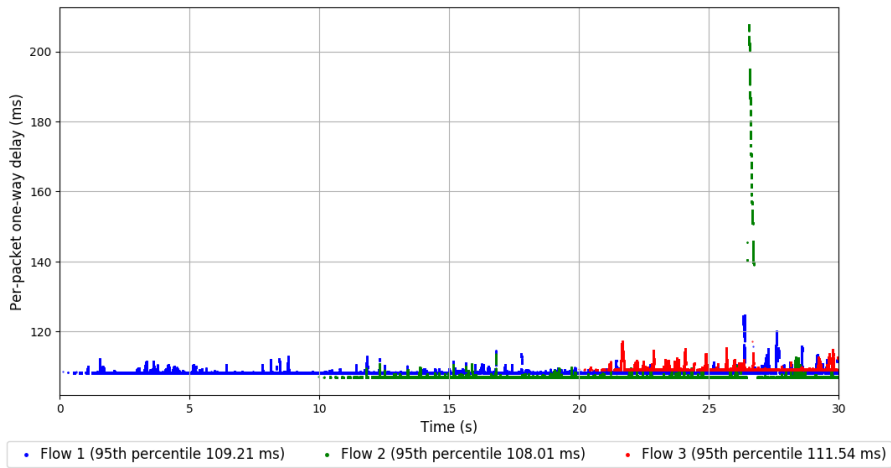
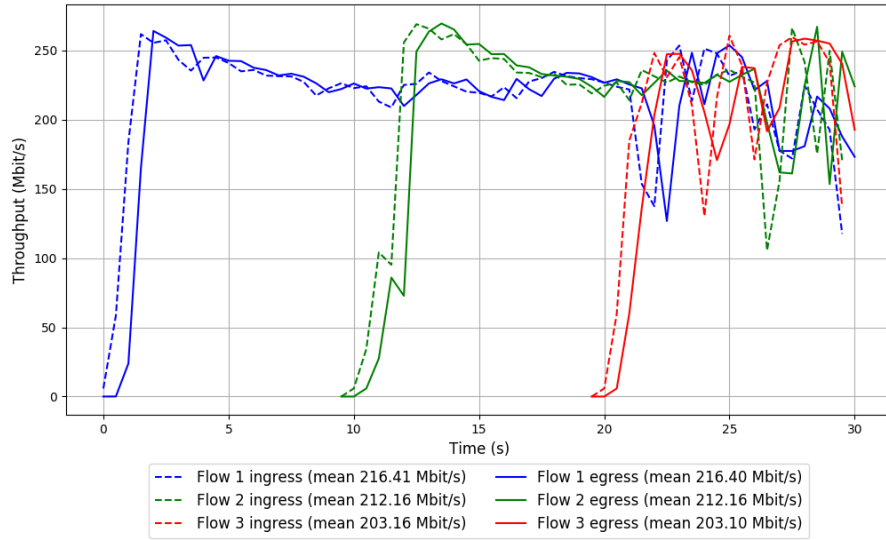
-- Flow 3:

Average throughput: 203.10 Mbit/s

95th percentile per-packet one-way delay: 111.539 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-12-11 08:29:57

End at: 2019-12-11 08:30:27

Local clock offset: -0.083 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2019-12-11 14:08:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 415.96 Mbit/s

95th percentile per-packet one-way delay: 113.247 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 214.97 Mbit/s

95th percentile per-packet one-way delay: 107.879 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 205.30 Mbit/s

95th percentile per-packet one-way delay: 115.231 ms

Loss rate: 0.02%

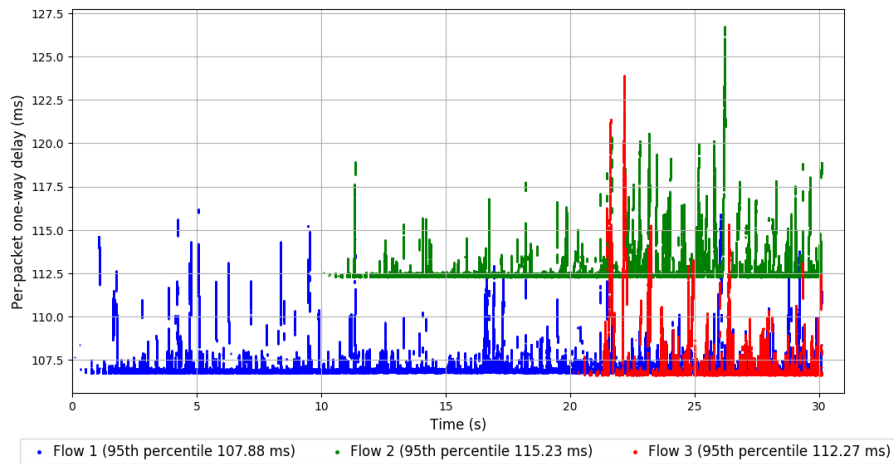
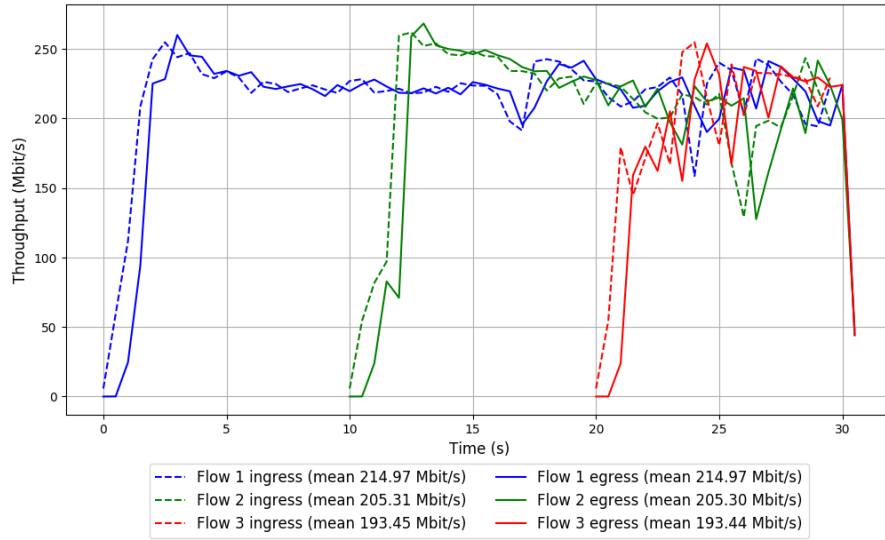
-- Flow 3:

Average throughput: 193.44 Mbit/s

95th percentile per-packet one-way delay: 112.268 ms

Loss rate: 0.00%

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

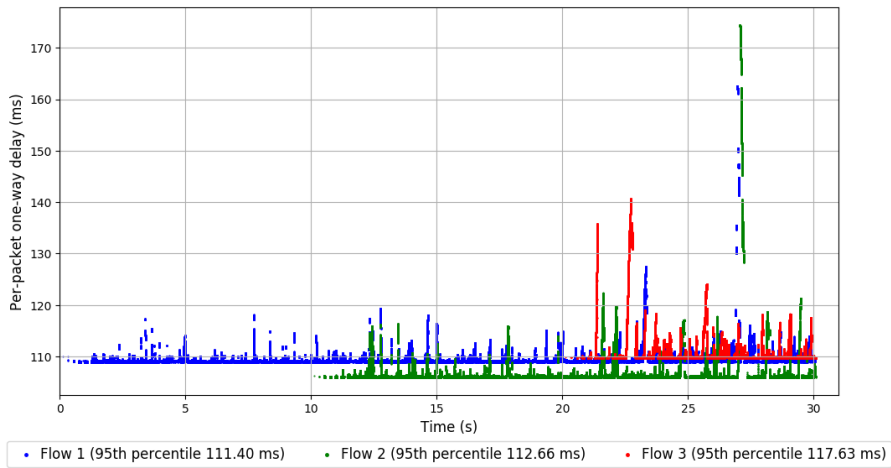
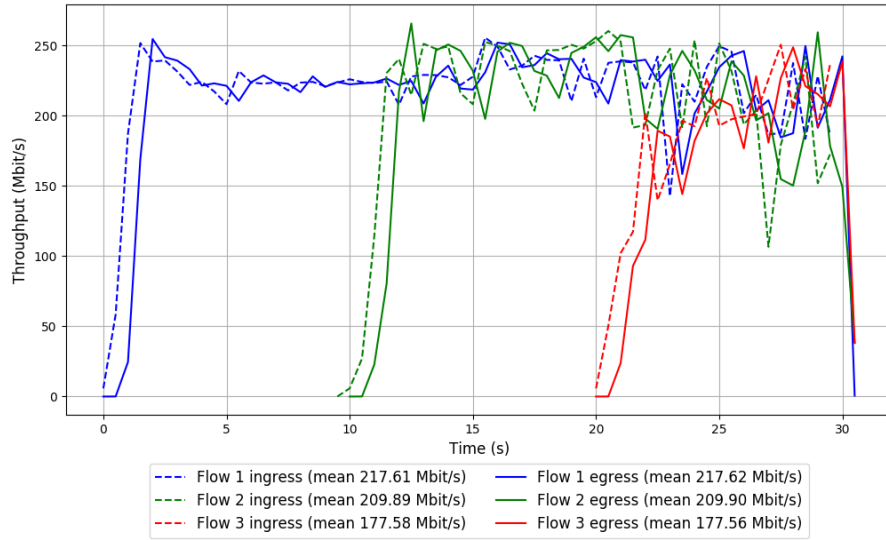


Run 3: Statistics of TaoVA-100x

Start at: 2019-12-11 09:13:33
End at: 2019-12-11 09:14:03
Local clock offset: 0.035 ms
Remote clock offset: -0.108 ms

```
# Below is generated by plot.py at 2019-12-11 14:08:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 416.30 Mbit/s
95th percentile per-packet one-way delay: 112.911 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 217.62 Mbit/s
95th percentile per-packet one-way delay: 111.402 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 209.90 Mbit/s
95th percentile per-packet one-way delay: 112.662 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 177.56 Mbit/s
95th percentile per-packet one-way delay: 117.626 ms
Loss rate: 0.06%
```

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

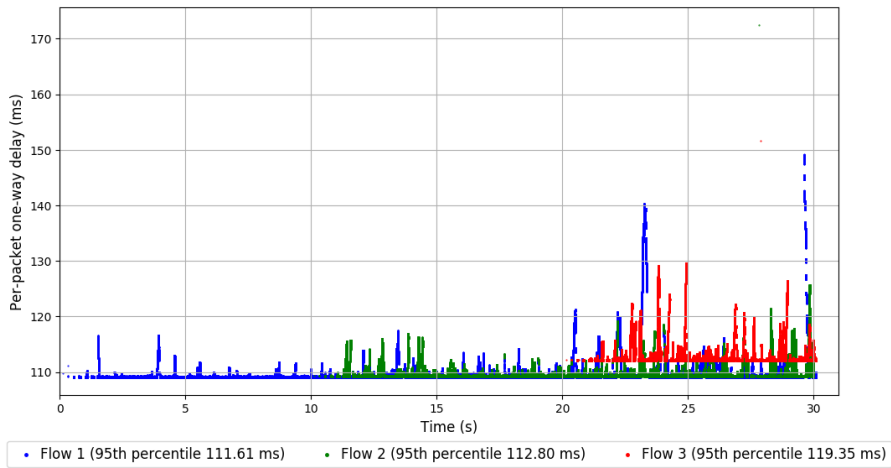
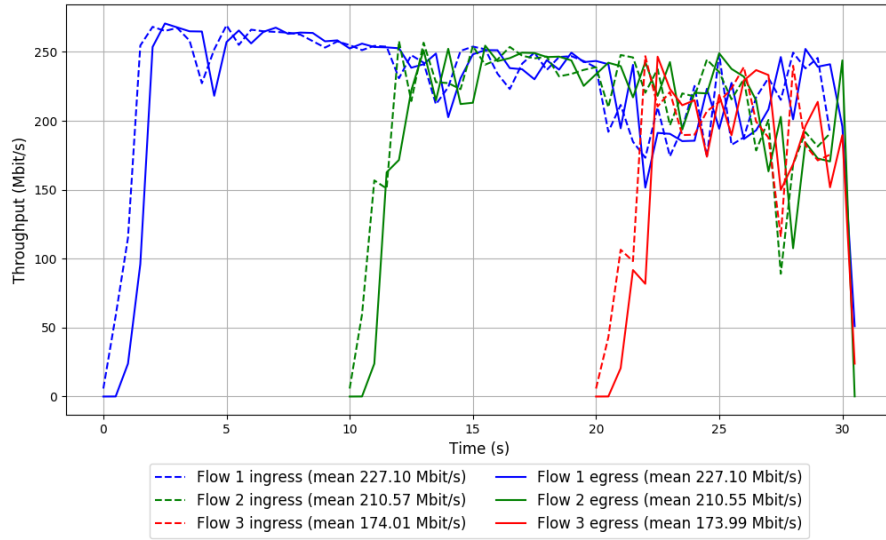


Run 4: Statistics of TaoVA-100x

Start at: 2019-12-11 09:56:50
End at: 2019-12-11 09:57:20
Local clock offset: -0.067 ms
Remote clock offset: -0.066 ms

```
# Below is generated by plot.py at 2019-12-11 14:08:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 424.53 Mbit/s
95th percentile per-packet one-way delay: 114.033 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 227.10 Mbit/s
95th percentile per-packet one-way delay: 111.615 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 210.55 Mbit/s
95th percentile per-packet one-way delay: 112.801 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 173.99 Mbit/s
95th percentile per-packet one-way delay: 119.348 ms
Loss rate: 0.04%
```

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

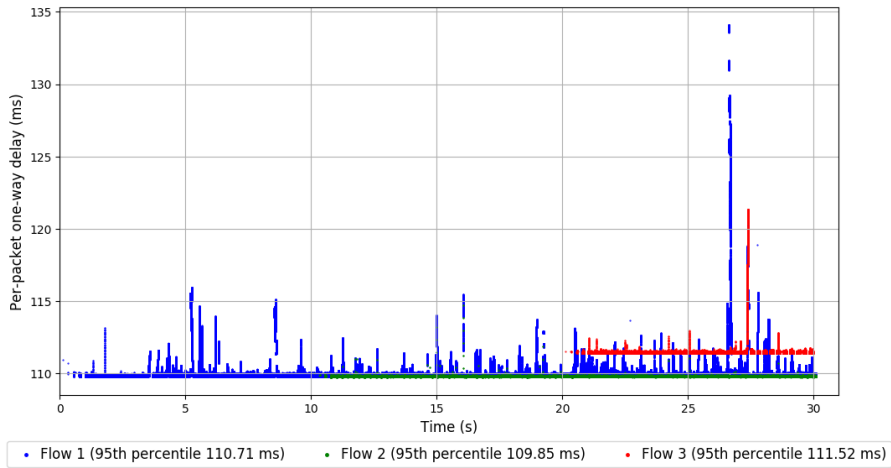
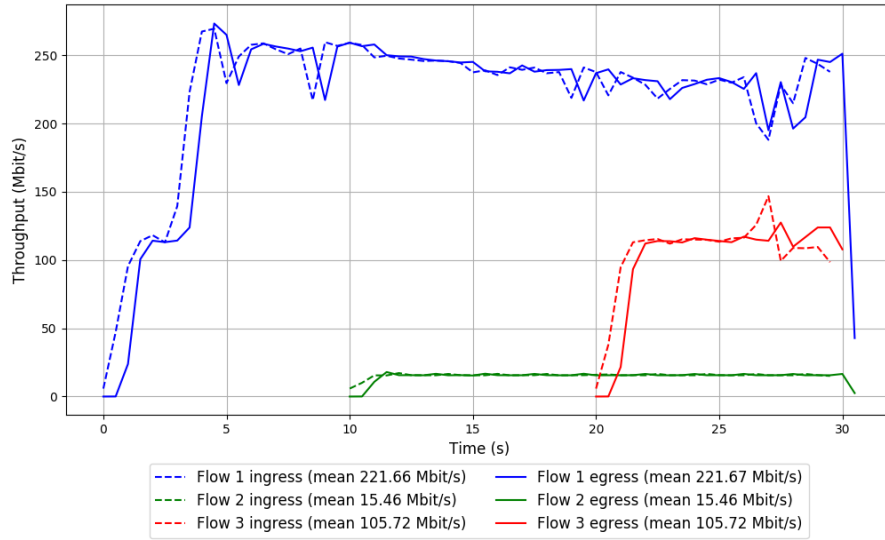


Run 5: Statistics of TaoVA-100x

Start at: 2019-12-11 10:39:22
End at: 2019-12-11 10:39:52
Local clock offset: -0.187 ms
Remote clock offset: -0.031 ms

```
# Below is generated by plot.py at 2019-12-11 14:08:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 266.68 Mbit/s
95th percentile per-packet one-way delay: 111.478 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.67 Mbit/s
95th percentile per-packet one-way delay: 110.706 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: 109.846 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 105.72 Mbit/s
95th percentile per-packet one-way delay: 111.522 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2019-12-11 08:00:23

End at: 2019-12-11 08:00:53

Local clock offset: -0.244 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2019-12-11 14:08:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 534.57 Mbit/s

95th percentile per-packet one-way delay: 115.483 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 311.15 Mbit/s

95th percentile per-packet one-way delay: 112.883 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 219.14 Mbit/s

95th percentile per-packet one-way delay: 110.010 ms

Loss rate: 0.00%

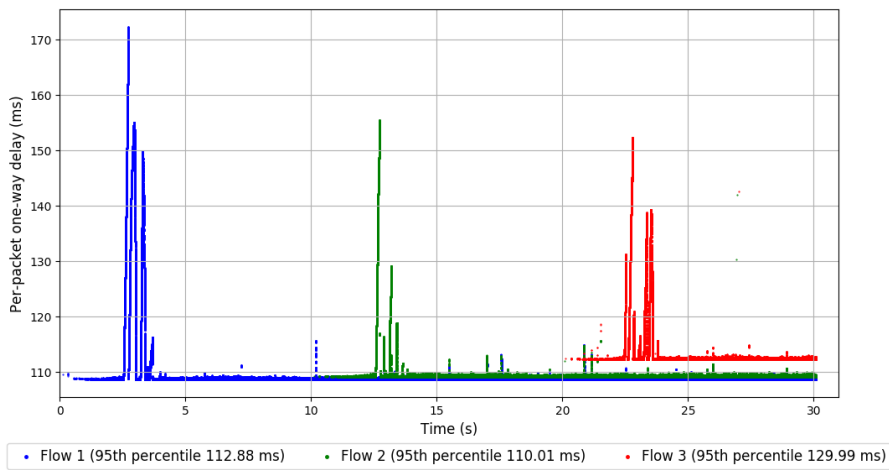
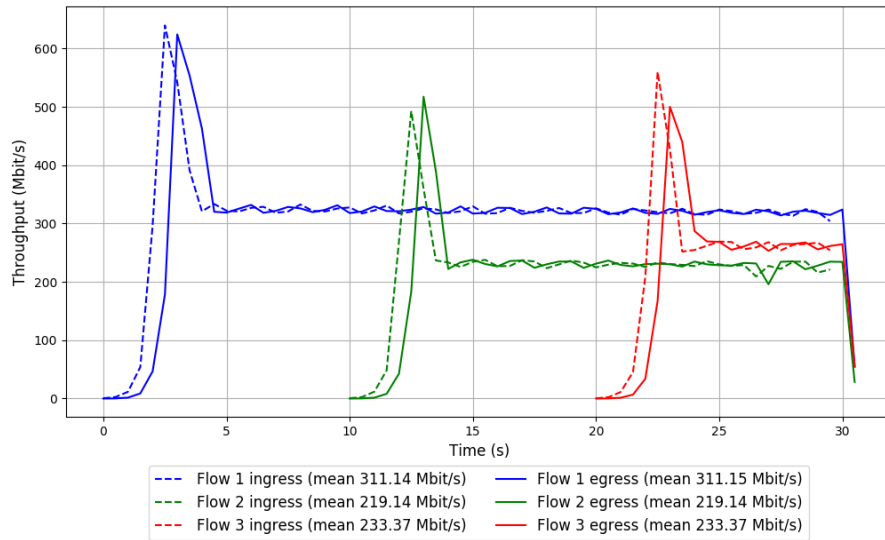
-- Flow 3:

Average throughput: 233.37 Mbit/s

95th percentile per-packet one-way delay: 129.994 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-12-11 08:43:45

End at: 2019-12-11 08:44:15

Local clock offset: -0.065 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2019-12-11 14:18:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 734.85 Mbit/s

95th percentile per-packet one-way delay: 152.270 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 474.59 Mbit/s

95th percentile per-packet one-way delay: 163.314 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 311.11 Mbit/s

95th percentile per-packet one-way delay: 115.641 ms

Loss rate: 0.02%

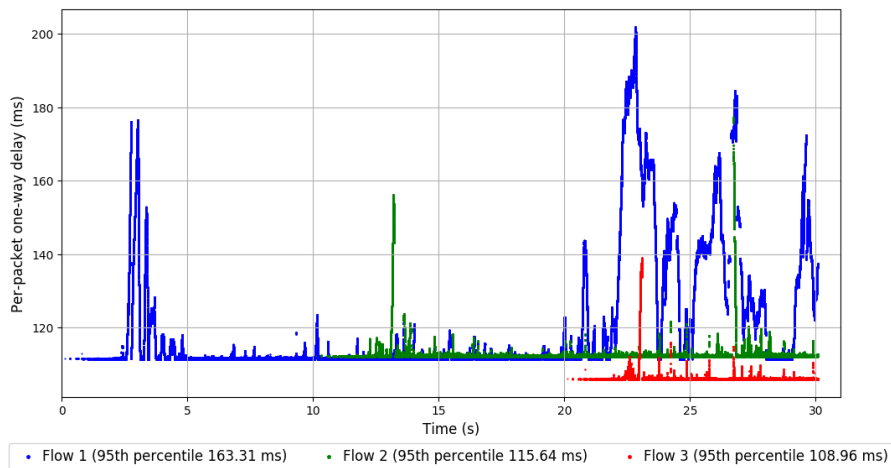
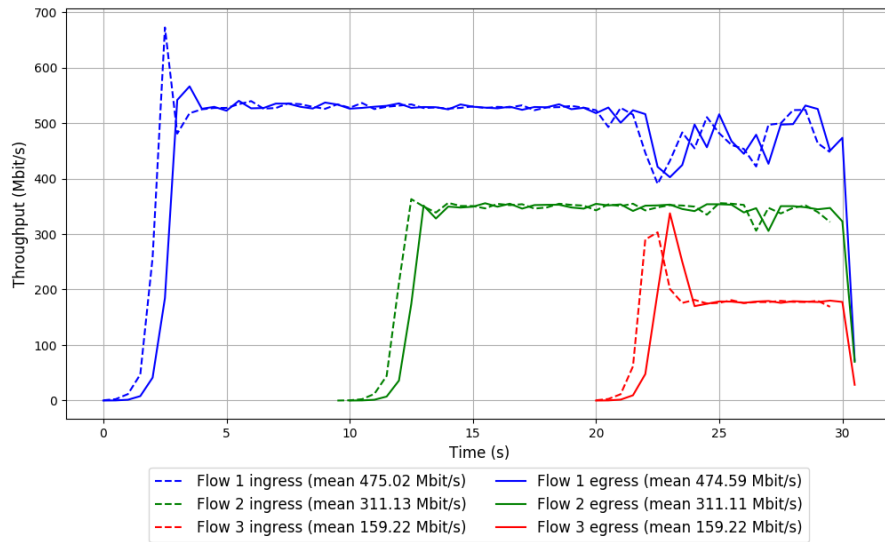
-- Flow 3:

Average throughput: 159.22 Mbit/s

95th percentile per-packet one-way delay: 108.958 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-12-11 09:27:20
End at: 2019-12-11 09:27:50
Local clock offset: 0.028 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-12-11 14:18:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 616.59 Mbit/s
95th percentile per-packet one-way delay: 135.960 ms
Loss rate: 0.32%

-- Flow 1:

Average throughput: 209.04 Mbit/s
95th percentile per-packet one-way delay: 107.785 ms
Loss rate: 0.00%

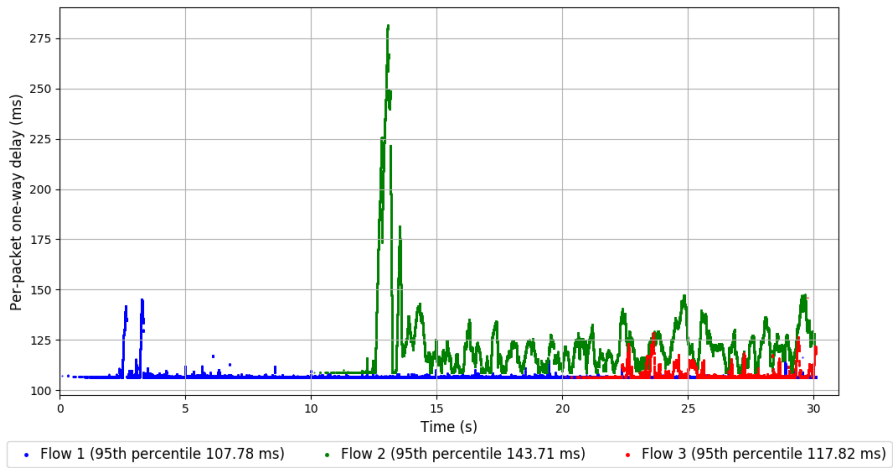
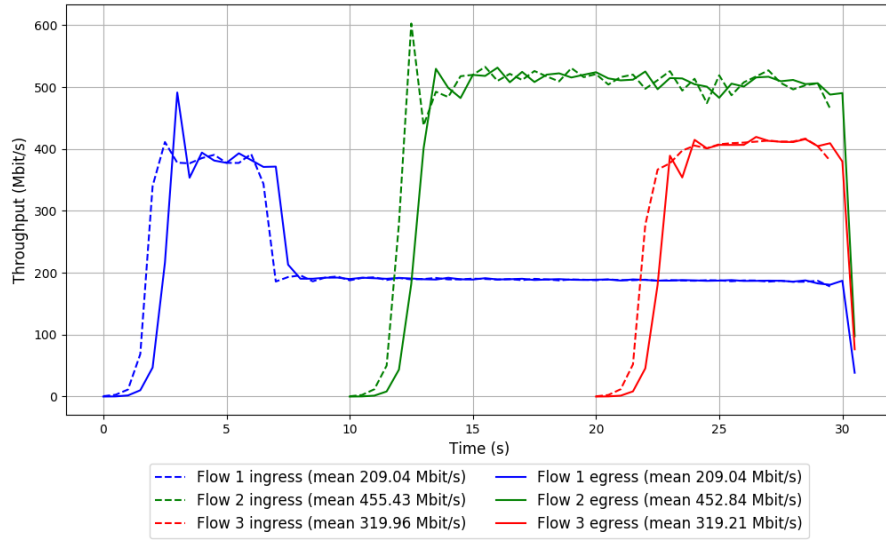
-- Flow 2:

Average throughput: 452.84 Mbit/s
95th percentile per-packet one-way delay: 143.714 ms
Loss rate: 0.58%

-- Flow 3:

Average throughput: 319.21 Mbit/s
95th percentile per-packet one-way delay: 117.816 ms
Loss rate: 0.23%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-12-11 10:10:16
End at: 2019-12-11 10:10:46
Local clock offset: -0.054 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2019-12-11 14:18:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 592.19 Mbit/s
95th percentile per-packet one-way delay: 138.609 ms
Loss rate: 0.03%

-- Flow 1:

Average throughput: 263.04 Mbit/s
95th percentile per-packet one-way delay: 160.157 ms
Loss rate: 0.07%

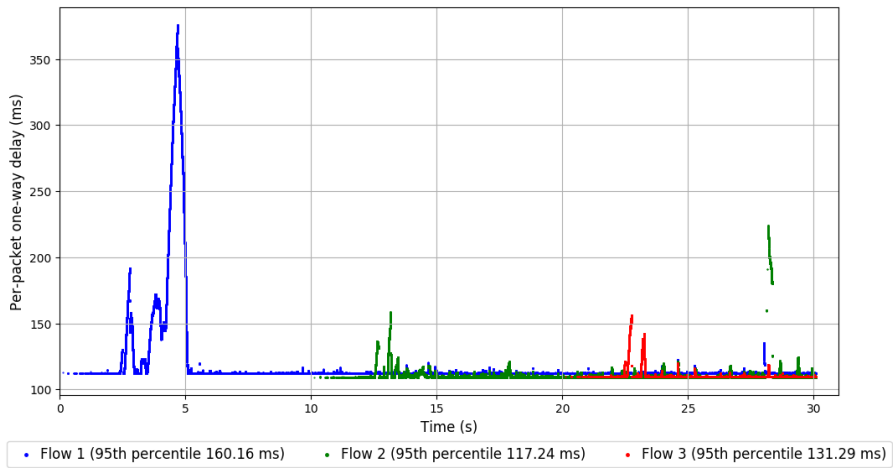
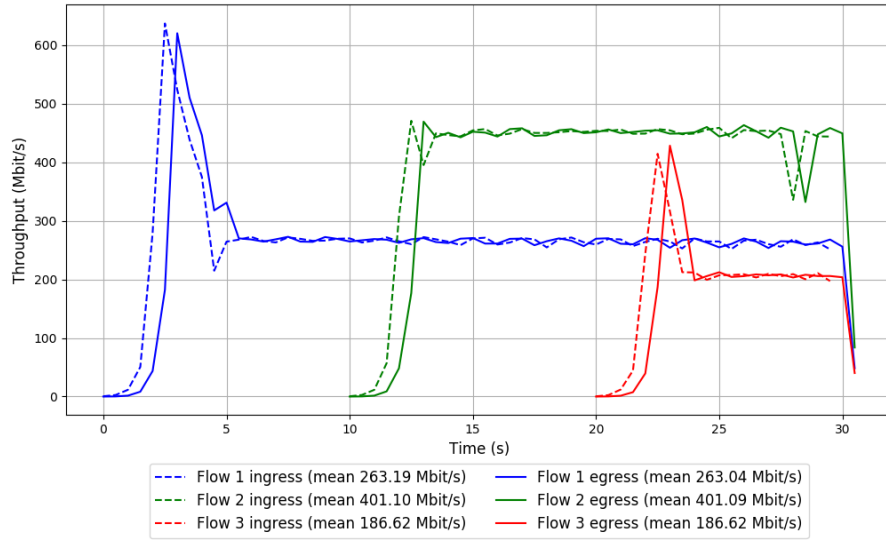
-- Flow 2:

Average throughput: 401.09 Mbit/s
95th percentile per-packet one-way delay: 117.240 ms
Loss rate: 0.00%

-- Flow 3:

Average throughput: 186.62 Mbit/s
95th percentile per-packet one-way delay: 131.292 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-12-11 10:52:50

End at: 2019-12-11 10:53:20

Local clock offset: -0.221 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2019-12-11 14:18:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 577.61 Mbit/s

95th percentile per-packet one-way delay: 154.941 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 228.11 Mbit/s

95th percentile per-packet one-way delay: 107.483 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 368.32 Mbit/s

95th percentile per-packet one-way delay: 127.368 ms

Loss rate: 0.03%

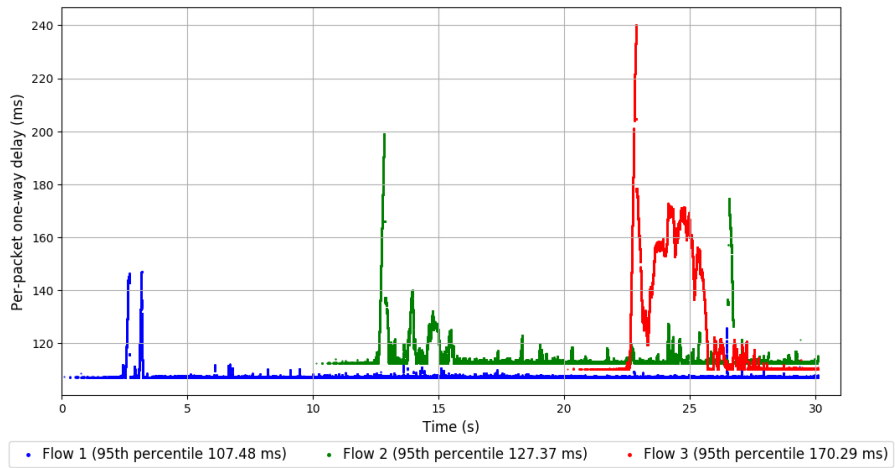
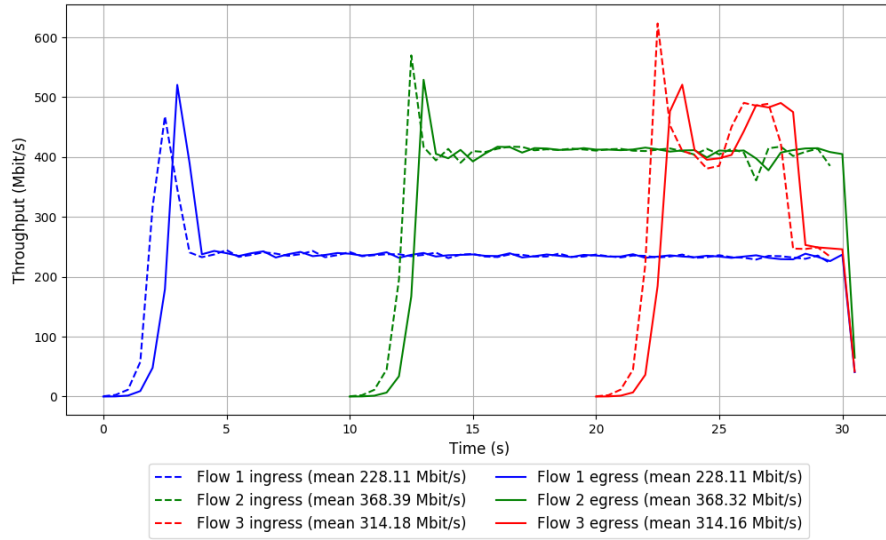
-- Flow 3:

Average throughput: 314.16 Mbit/s

95th percentile per-packet one-way delay: 170.294 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-12-11 08:10:11

End at: 2019-12-11 08:10:41

Local clock offset: -0.112 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2019-12-11 14:18:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 230.87 Mbit/s

95th percentile per-packet one-way delay: 239.052 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 98.57 Mbit/s

95th percentile per-packet one-way delay: 216.430 ms

Loss rate: 1.38%

-- Flow 2:

Average throughput: 116.17 Mbit/s

95th percentile per-packet one-way delay: 204.455 ms

Loss rate: 0.94%

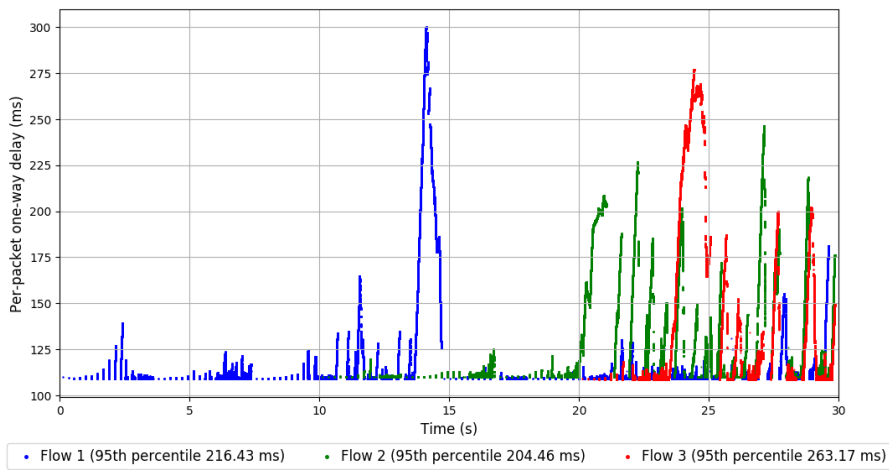
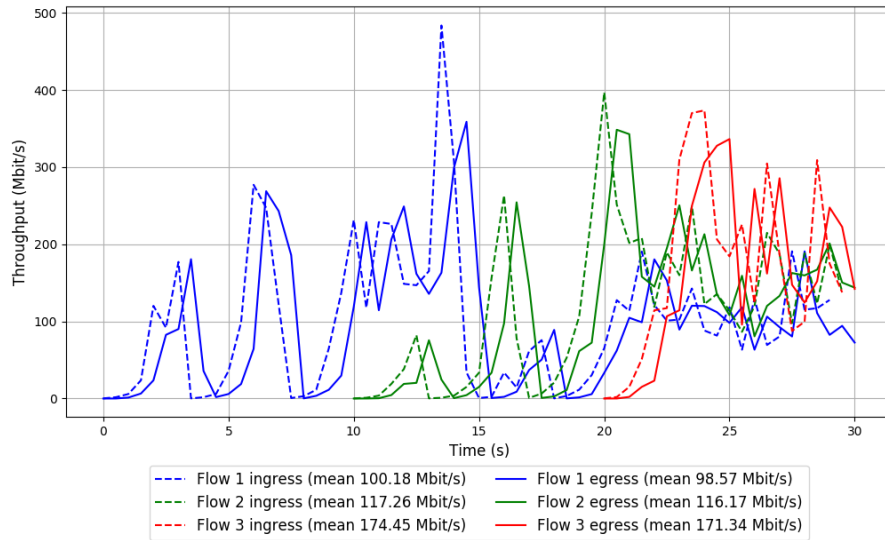
-- Flow 3:

Average throughput: 171.34 Mbit/s

95th percentile per-packet one-way delay: 263.173 ms

Loss rate: 1.80%

Run 1: Report of Verus — Data Link

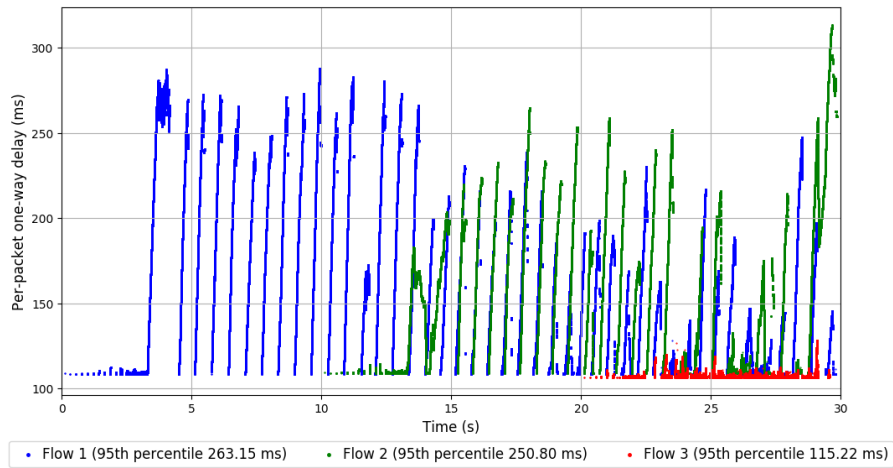
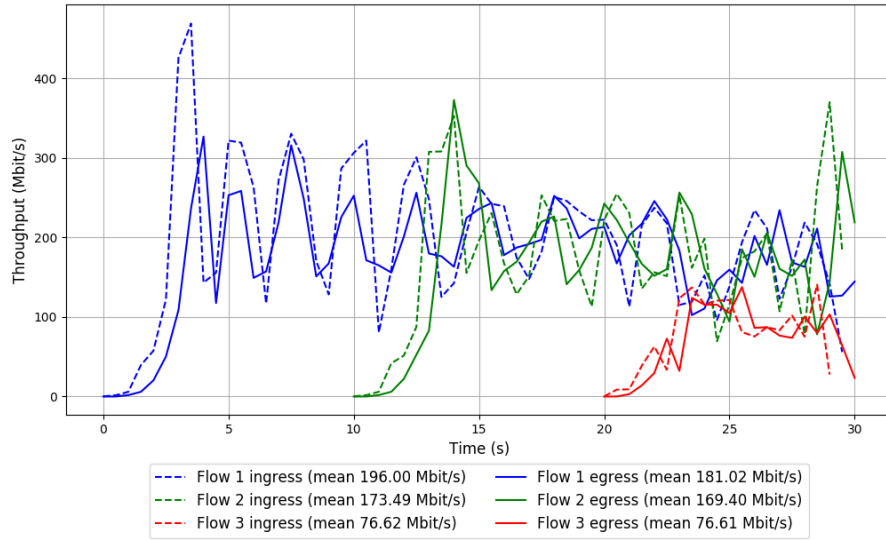


Run 2: Statistics of Verus

Start at: 2019-12-11 08:53:40
End at: 2019-12-11 08:54:10
Local clock offset: 0.033 ms
Remote clock offset: -0.058 ms

```
# Below is generated by plot.py at 2019-12-11 14:19:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 317.37 Mbit/s
95th percentile per-packet one-way delay: 259.867 ms
Loss rate: 5.27%
-- Flow 1:
Average throughput: 181.02 Mbit/s
95th percentile per-packet one-way delay: 263.155 ms
Loss rate: 7.65%
-- Flow 2:
Average throughput: 169.40 Mbit/s
95th percentile per-packet one-way delay: 250.800 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: 115.224 ms
Loss rate: 0.00%
```

Run 2: Report of Verus — Data Link

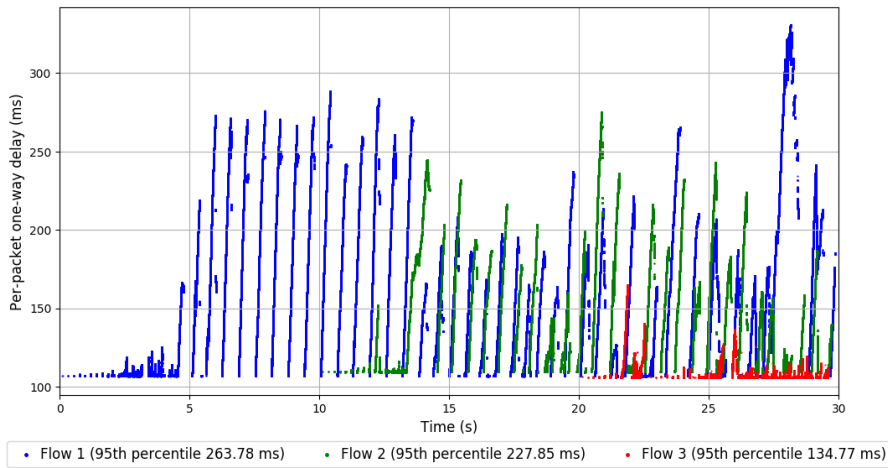
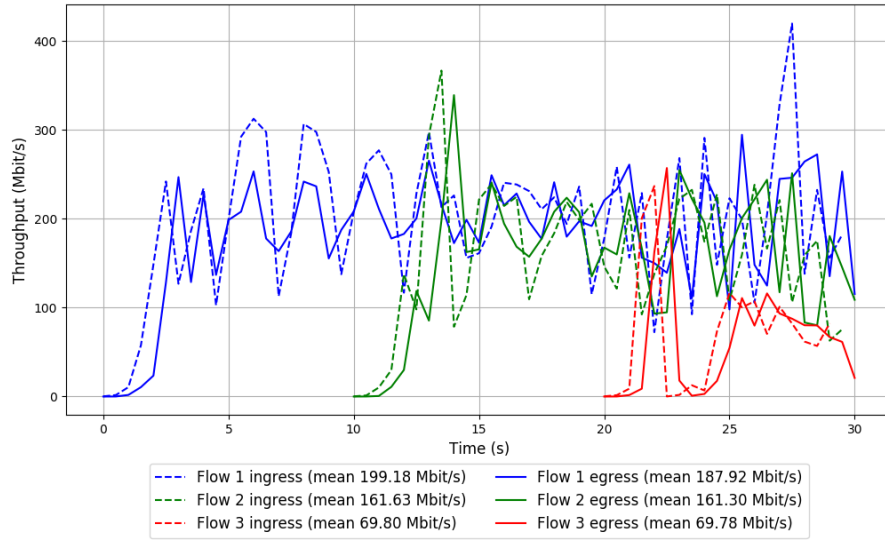


Run 3: Statistics of Verus

Start at: 2019-12-11 09:36:59
End at: 2019-12-11 09:37:29
Local clock offset: -0.072 ms
Remote clock offset: -0.032 ms

```
# Below is generated by plot.py at 2019-12-11 14:19:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 316.42 Mbit/s
95th percentile per-packet one-way delay: 254.866 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 187.92 Mbit/s
95th percentile per-packet one-way delay: 263.776 ms
Loss rate: 5.66%
-- Flow 2:
Average throughput: 161.30 Mbit/s
95th percentile per-packet one-way delay: 227.852 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 69.78 Mbit/s
95th percentile per-packet one-way delay: 134.770 ms
Loss rate: 0.00%
```

Run 3: Report of Verus — Data Link

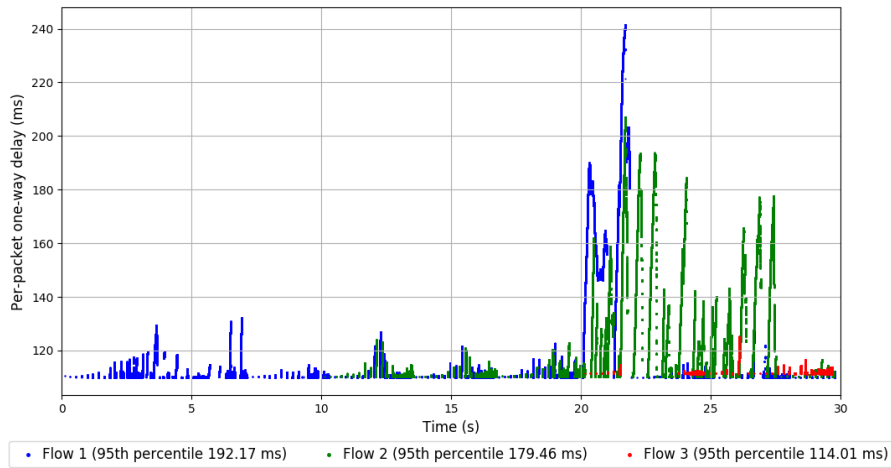
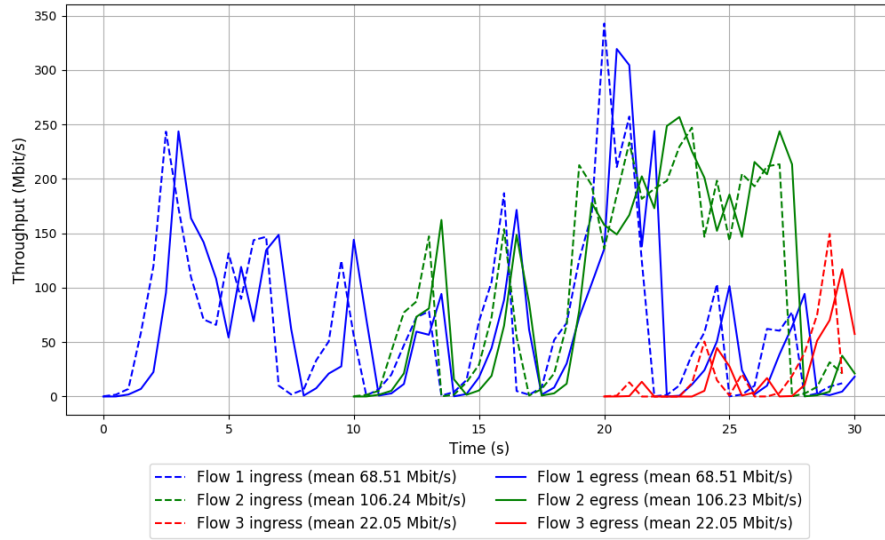


Run 4: Statistics of Verus

Start at: 2019-12-11 10:19:43
End at: 2019-12-11 10:20:13
Local clock offset: -0.182 ms
Remote clock offset: -0.045 ms

```
# Below is generated by plot.py at 2019-12-11 14:19:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 145.81 Mbit/s
95th percentile per-packet one-way delay: 183.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 192.172 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 106.23 Mbit/s
95th percentile per-packet one-way delay: 179.456 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.05 Mbit/s
95th percentile per-packet one-way delay: 114.014 ms
Loss rate: 0.00%
```

Run 4: Report of Verus — Data Link

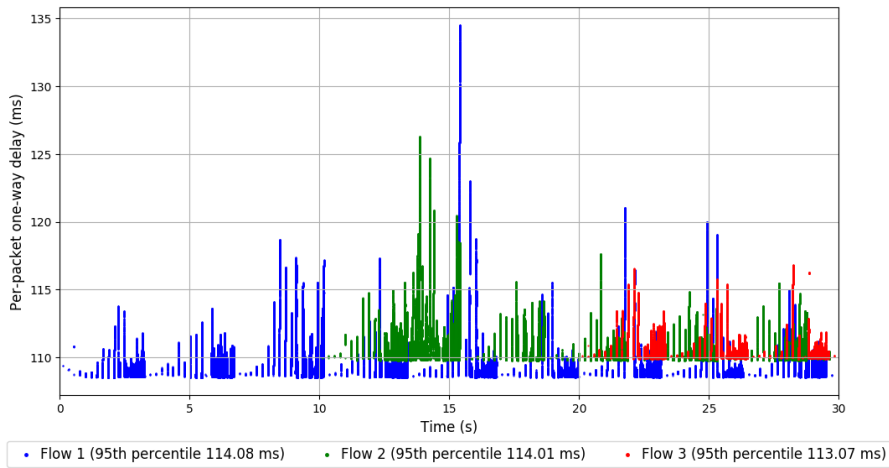
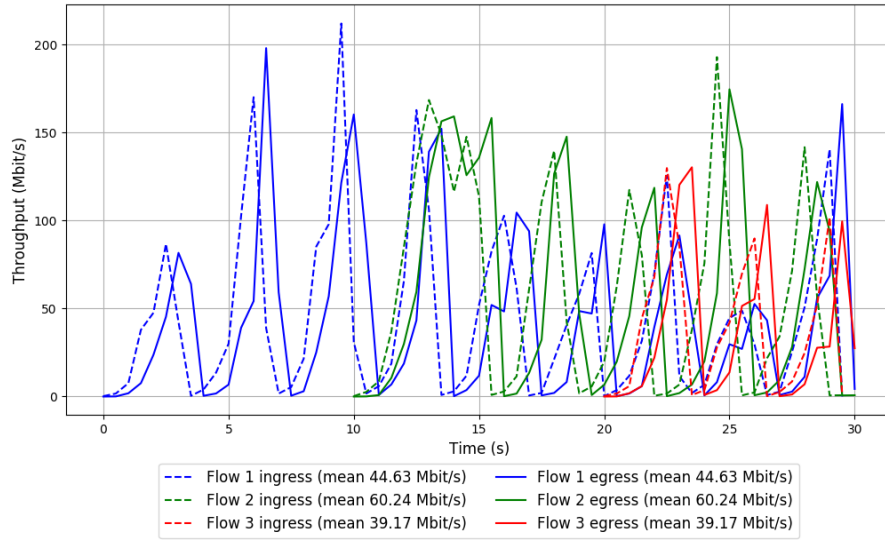


Run 5: Statistics of Verus

Start at: 2019-12-11 11:02:34
End at: 2019-12-11 11:03:04
Local clock offset: -0.083 ms
Remote clock offset: -0.034 ms

```
# Below is generated by plot.py at 2019-12-11 14:19:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 113.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.63 Mbit/s
95th percentile per-packet one-way delay: 114.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.24 Mbit/s
95th percentile per-packet one-way delay: 114.013 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.17 Mbit/s
95th percentile per-packet one-way delay: 113.074 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-12-11 08:08:22

End at: 2019-12-11 08:08:52

Local clock offset: -0.021 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2019-12-11 14:22:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 415.54 Mbit/s

95th percentile per-packet one-way delay: 138.725 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 284.59 Mbit/s

95th percentile per-packet one-way delay: 114.863 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 126.28 Mbit/s

95th percentile per-packet one-way delay: 259.258 ms

Loss rate: 2.63%

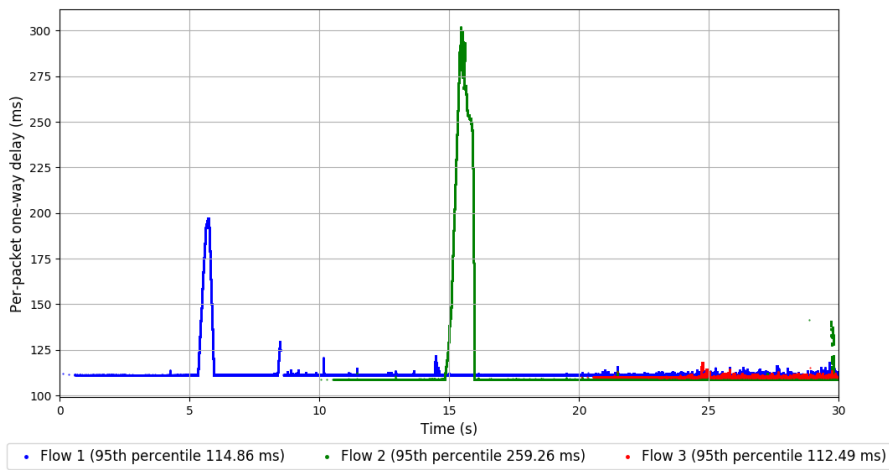
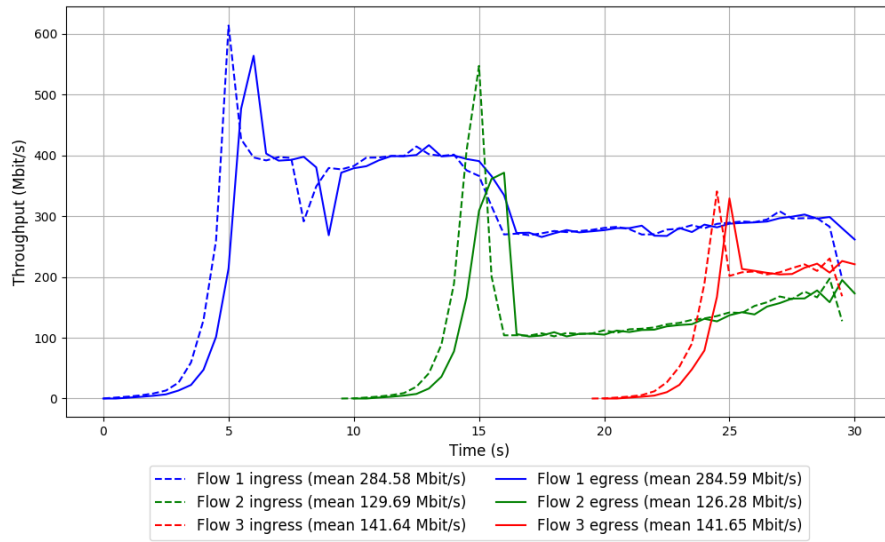
-- Flow 3:

Average throughput: 141.65 Mbit/s

95th percentile per-packet one-way delay: 112.493 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

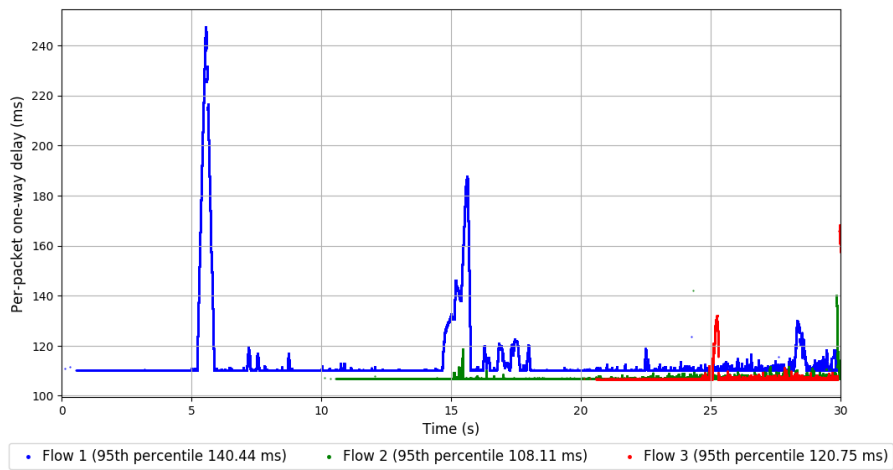
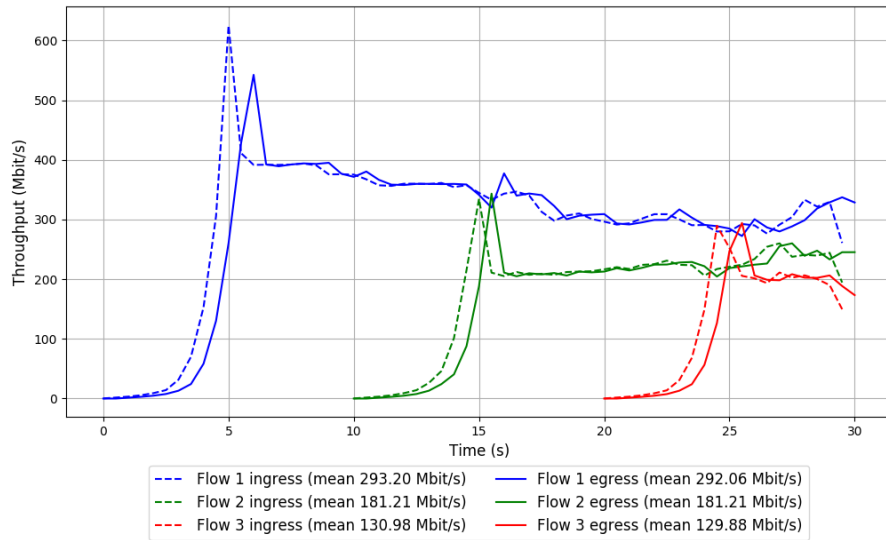


Run 2: Statistics of PCC-Vivace

Start at: 2019-12-11 08:51:47
End at: 2019-12-11 08:52:17
Local clock offset: 0.039 ms
Remote clock offset: -0.043 ms

```
# Below is generated by plot.py at 2019-12-11 14:22:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 455.46 Mbit/s
95th percentile per-packet one-way delay: 128.216 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 292.06 Mbit/s
95th percentile per-packet one-way delay: 140.443 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 181.21 Mbit/s
95th percentile per-packet one-way delay: 108.110 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 129.88 Mbit/s
95th percentile per-packet one-way delay: 120.751 ms
Loss rate: 0.81%
```

Run 2: Report of PCC-Vivace — Data Link

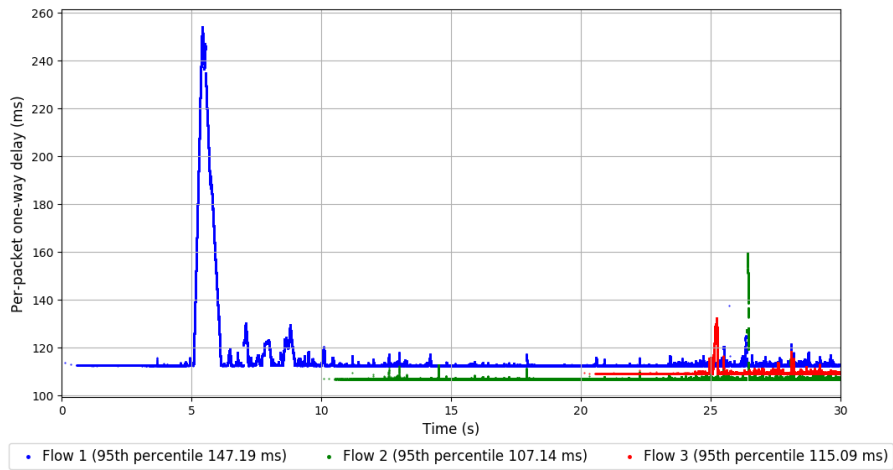
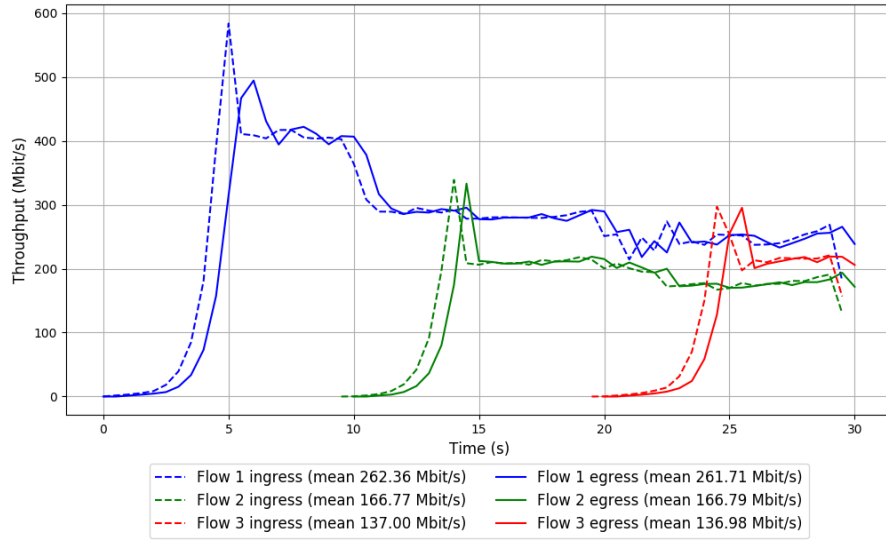


Run 3: Statistics of PCC-Vivace

Start at: 2019-12-11 09:35:10
End at: 2019-12-11 09:35:40
Local clock offset: -0.038 ms
Remote clock offset: -0.022 ms

```
# Below is generated by plot.py at 2019-12-11 14:22:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 417.93 Mbit/s
95th percentile per-packet one-way delay: 123.032 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 261.71 Mbit/s
95th percentile per-packet one-way delay: 147.187 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 166.79 Mbit/s
95th percentile per-packet one-way delay: 107.136 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 136.98 Mbit/s
95th percentile per-packet one-way delay: 115.087 ms
Loss rate: 0.04%
```

Run 3: Report of PCC-Vivace — Data Link

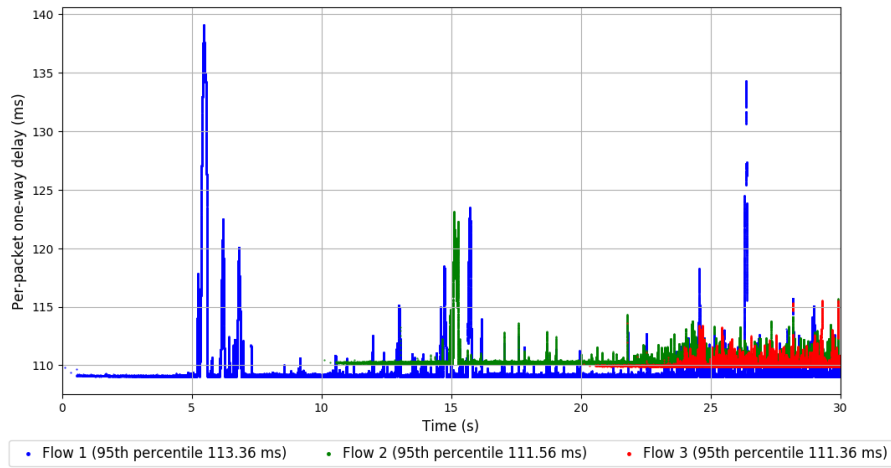
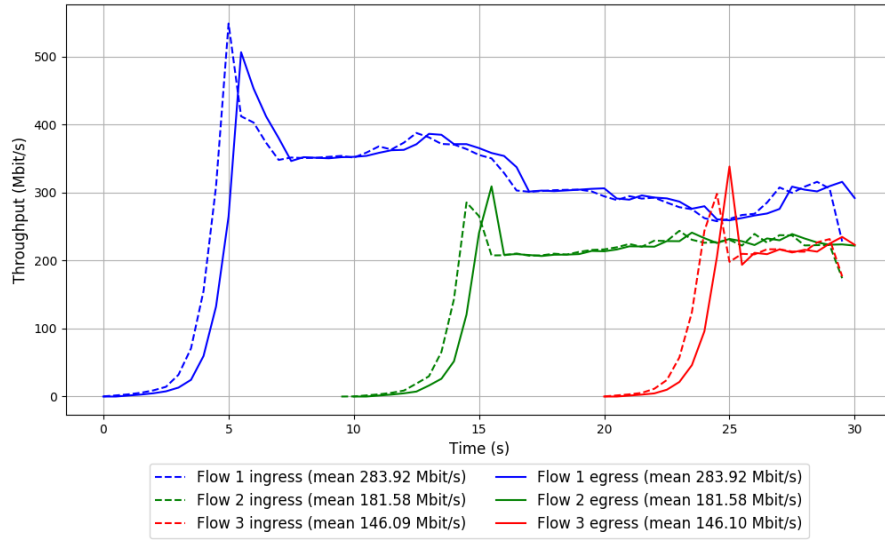


Run 4: Statistics of PCC-Vivace

Start at: 2019-12-11 10:17:51
End at: 2019-12-11 10:18:21
Local clock offset: -0.168 ms
Remote clock offset: -0.038 ms

```
# Below is generated by plot.py at 2019-12-11 14:22:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 452.95 Mbit/s
95th percentile per-packet one-way delay: 112.225 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 283.92 Mbit/s
95th percentile per-packet one-way delay: 113.359 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 181.58 Mbit/s
95th percentile per-packet one-way delay: 111.558 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 146.10 Mbit/s
95th percentile per-packet one-way delay: 111.356 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Vivace — Data Link

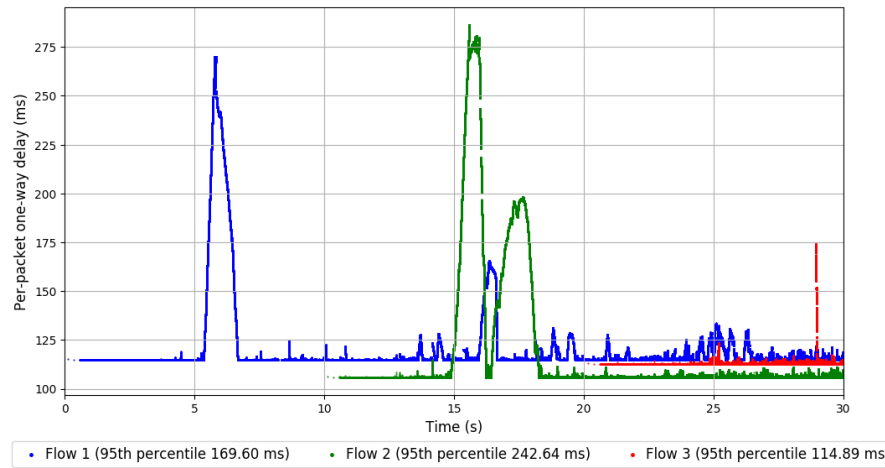
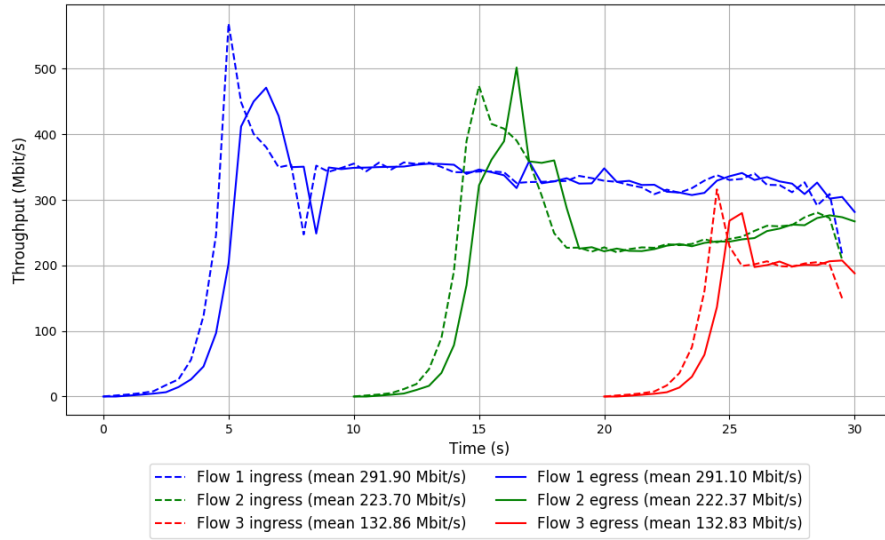


Run 5: Statistics of PCC-Vivace

Start at: 2019-12-11 11:00:40
End at: 2019-12-11 11:01:10
Local clock offset: 0.01 ms
Remote clock offset: -0.017 ms

```
# Below is generated by plot.py at 2019-12-11 14:22:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 482.58 Mbit/s
95th percentile per-packet one-way delay: 195.356 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 291.10 Mbit/s
95th percentile per-packet one-way delay: 169.601 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 222.37 Mbit/s
95th percentile per-packet one-way delay: 242.641 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 132.83 Mbit/s
95th percentile per-packet one-way delay: 114.895 ms
Loss rate: 0.05%
```

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-12-11 07:49:11

End at: 2019-12-11 07:49:41

Local clock offset: -0.216 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2019-12-11 14:22:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.38 Mbit/s

95th percentile per-packet one-way delay: 107.057 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 107.035 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 107.082 ms

Loss rate: 0.00%

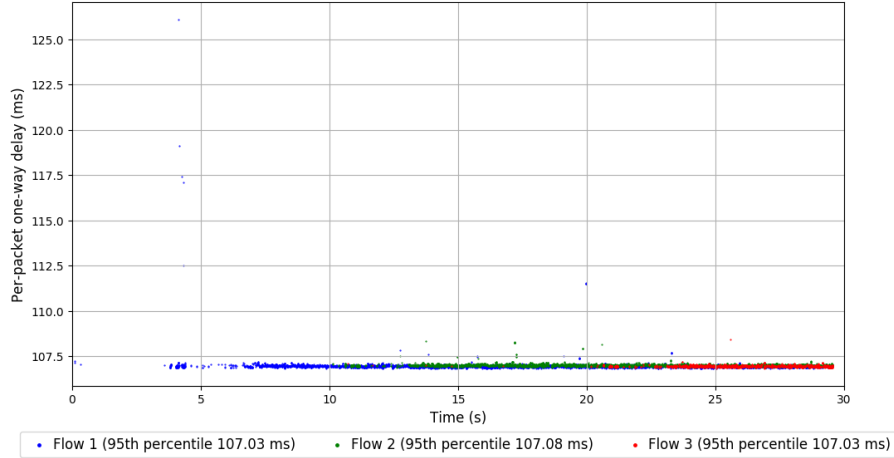
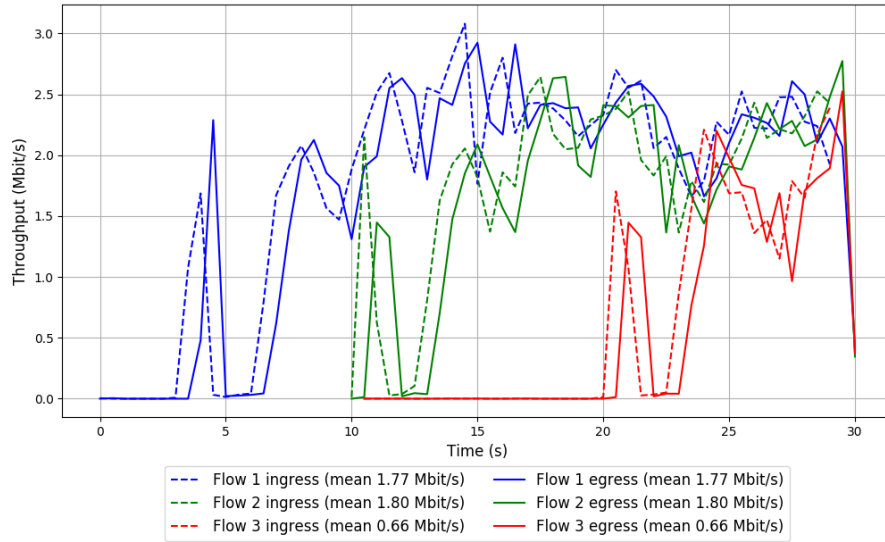
-- Flow 3:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 107.027 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-12-11 08:31:58

End at: 2019-12-11 08:32:28

Local clock offset: -0.066 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2019-12-11 14:22:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 112.395 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 107.190 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 112.476 ms

Loss rate: 0.00%

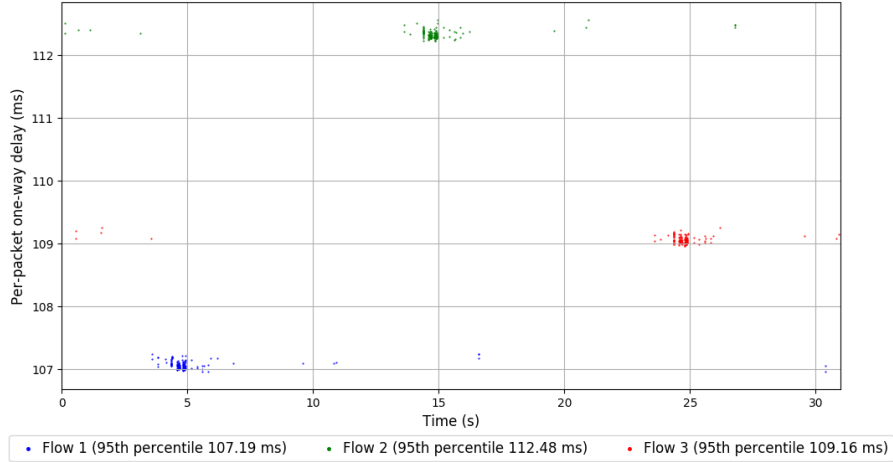
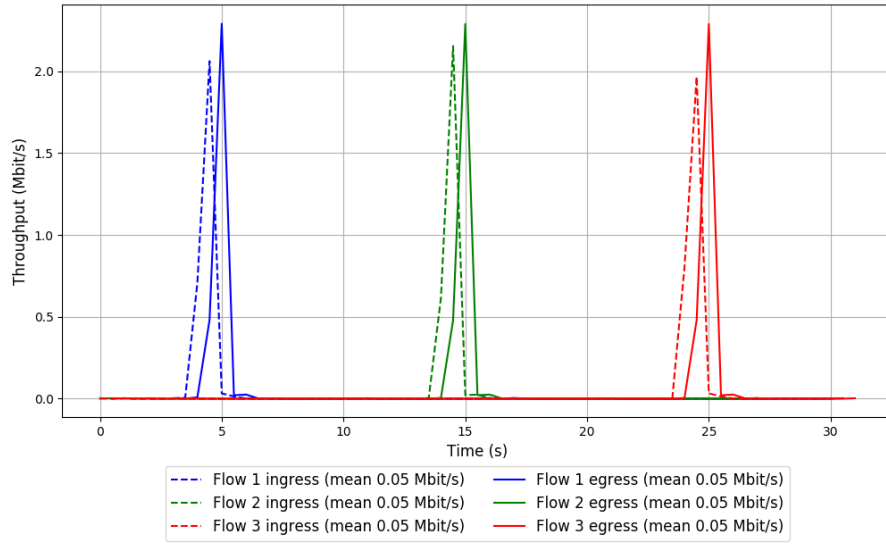
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 109.163 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

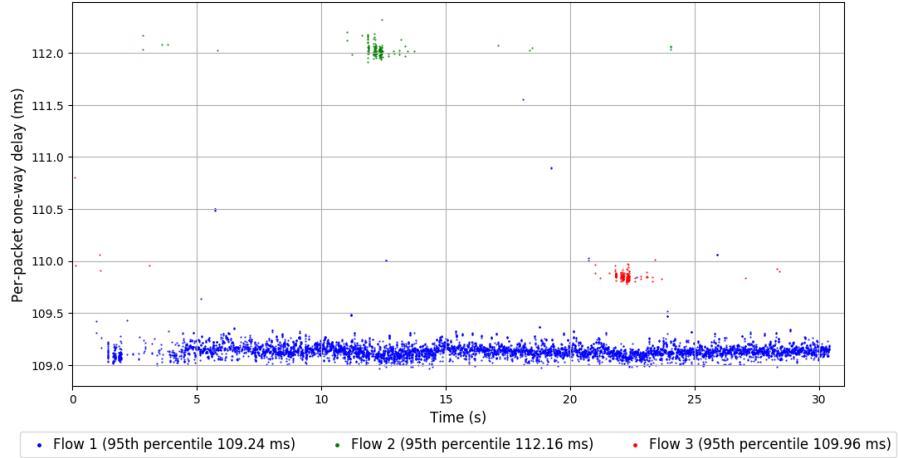
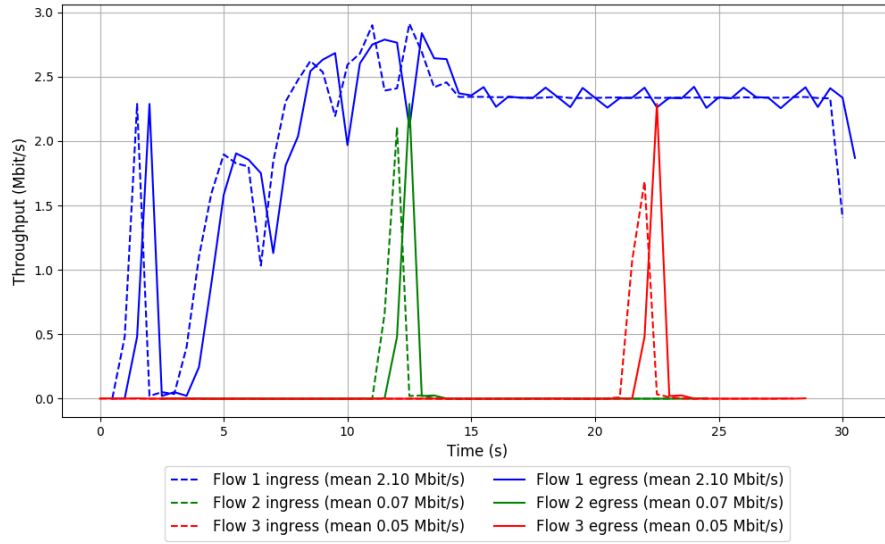


Run 3: Statistics of WebRTC media

Start at: 2019-12-11 09:15:33
End at: 2019-12-11 09:16:03
Local clock offset: -0.044 ms
Remote clock offset: -0.136 ms

```
# Below is generated by plot.py at 2019-12-11 14:22:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 109.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 109.238 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 112.159 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.956 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

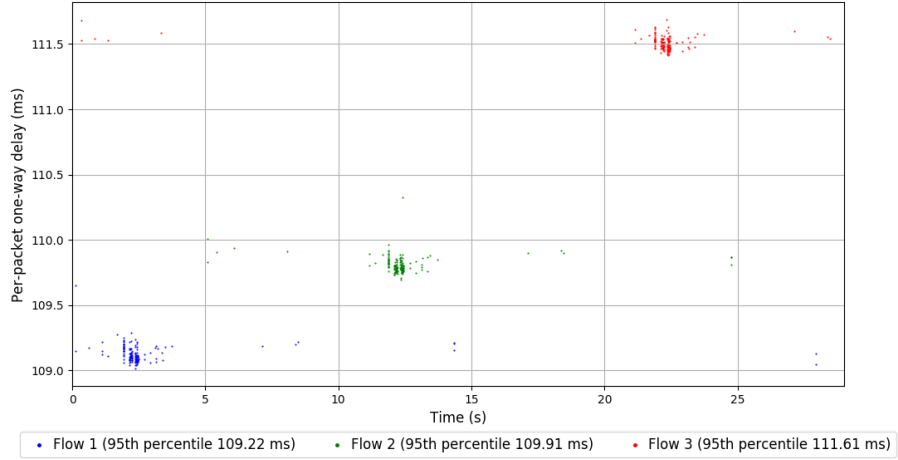
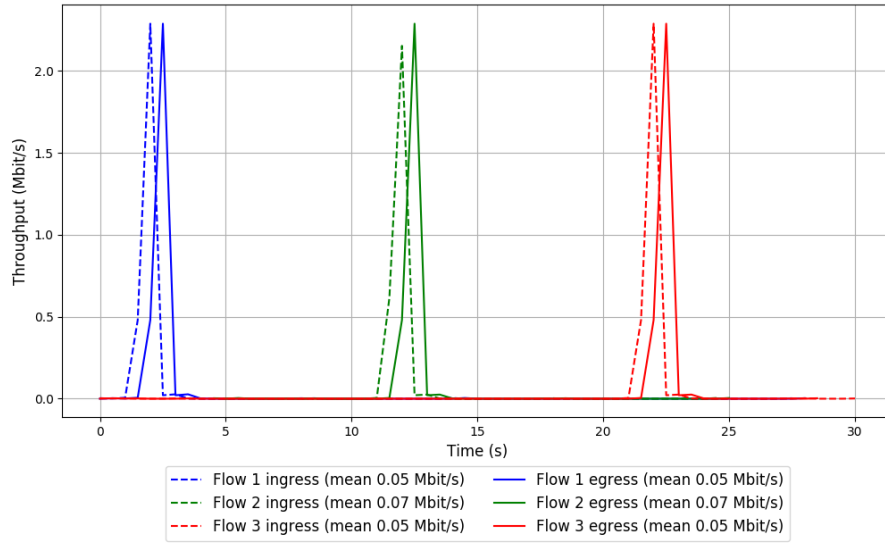


Run 4: Statistics of WebRTC media

Start at: 2019-12-11 09:58:51
End at: 2019-12-11 09:59:21
Local clock offset: -0.074 ms
Remote clock offset: -0.044 ms

```
# Below is generated by plot.py at 2019-12-11 14:22:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 111.554 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.216 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 109.910 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 111.608 ms
Loss rate: 0.05%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-12-11 10:41:08
End at: 2019-12-11 10:41:38
Local clock offset: -0.022 ms
Remote clock offset: -0.403 ms

```
# Below is generated by plot.py at 2019-12-11 14:22:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 109.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.772 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 108.513 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.587 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

