

Pantheon Report

Generated at 2019-09-18 10:12:04 (UTC).

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

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 4.15.0-1040-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
```


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	464.86	384.57	323.45	222.08	220.26	217.92	2.82	2.90	6.05
Copa	5	253.39	239.50	196.54	152.04	160.79	162.64	0.79	1.09	2.48
TCP Cubic	5	470.68	412.63	306.87	194.06	183.21	181.11	0.89	1.37	3.84
FillP	5	365.97	341.42	233.85	166.99	113.59	111.28	1.99	0.83	2.67
FillP-Sheep	5	416.98	329.26	245.88	151.22	112.16	111.79	0.85	0.92	2.44
Indigo	5	167.38	152.75	135.89	111.93	112.14	111.61	0.77	1.21	2.74
Indigo-MusesC3	5	472.86	386.26	265.78	141.43	120.77	111.56	0.60	1.04	4.21
Indigo-MusesC5	5	430.61	361.85	133.73	177.00	159.34	109.15	0.58	1.13	5.70
Indigo-MusesD	5	423.08	368.26	211.99	152.03	133.56	114.58	0.70	1.26	3.48
Indigo-MusesT	5	502.47	408.24	195.45	184.53	134.90	114.17	0.68	1.33	4.09
LEDBAT	5	7.85	5.23	2.54	108.86	110.01	109.21	1.46	2.18	4.37
Muses_DecisionTree	5	432.44	347.54	193.99	131.09	126.60	110.62	0.56	0.98	3.55
Muses_DecisionTreeH0	5	325.72	252.57	229.06	184.08	184.48	116.03	3.07	2.87	3.95
Muses_DecisionTreeR0	5	441.88	348.96	184.34	140.33	120.77	110.46	0.59	1.04	3.98
PCC-Allegro	5	313.90	289.98	210.44	209.05	207.20	221.01	2.28	2.96	4.42
PCC-Expr	5	222.13	205.03	157.37	147.68	149.46	168.87	1.49	1.48	2.98
QUIC Cubic	5	56.47	57.33	38.40	107.43	109.46	108.34	1.10	0.90	2.47
SCReAM	5	0.22	0.22	0.22	106.90	107.83	107.72	0.64	1.17	2.08
Sprout	5	0.60	0.53	0.70	107.01	107.05	109.30	0.69	1.14	2.88
TaoVA-100x	5	208.40	200.67	183.28	108.31	110.12	110.92	0.76	1.10	2.62
TCP Vegas	5	393.16	358.29	283.70	128.45	129.21	179.79	0.77	1.05	3.14
Verus	5	84.31	81.50	49.86	169.68	135.97	149.35	0.67	0.74	3.86
PCC-Vivace	5	279.14	192.68	109.51	124.04	110.42	118.02	0.86	1.51	3.41
WebRTC media	5	0.05	0.05	0.05	108.12	109.68	108.06	0.01	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-09-18 03:49:13
End at: 2019-09-18 03:49:43
Local clock offset: 0.794 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2019-09-18 07:47:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 764.45 Mbit/s
95th percentile per-packet one-way delay: 215.902 ms
Loss rate: 2.70%

-- Flow 1:

Average throughput: 449.35 Mbit/s
95th percentile per-packet one-way delay: 223.014 ms
Loss rate: 1.79%

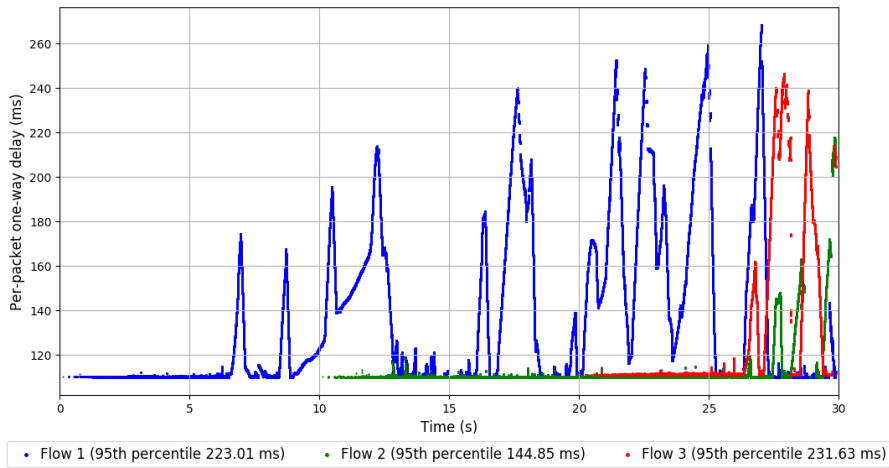
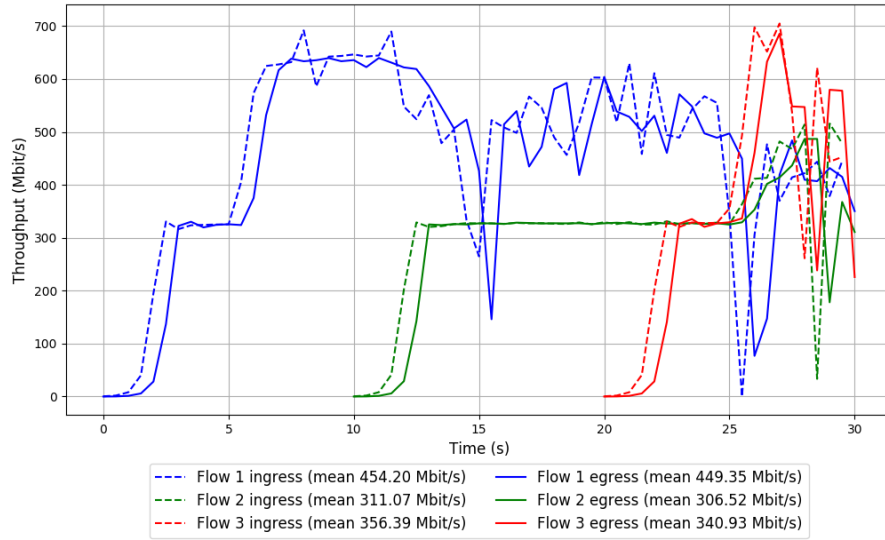
-- Flow 2:

Average throughput: 306.52 Mbit/s
95th percentile per-packet one-way delay: 144.848 ms
Loss rate: 2.54%

-- Flow 3:

Average throughput: 340.93 Mbit/s
95th percentile per-packet one-way delay: 231.628 ms
Loss rate: 6.46%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-09-18 04:32:26
End at: 2019-09-18 04:32:56
Local clock offset: -0.025 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2019-09-18 07:49:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 854.61 Mbit/s
95th percentile per-packet one-way delay: 234.302 ms
Loss rate: 2.51%

-- Flow 1:

Average throughput: 484.68 Mbit/s
95th percentile per-packet one-way delay: 142.555 ms
Loss rate: 0.61%

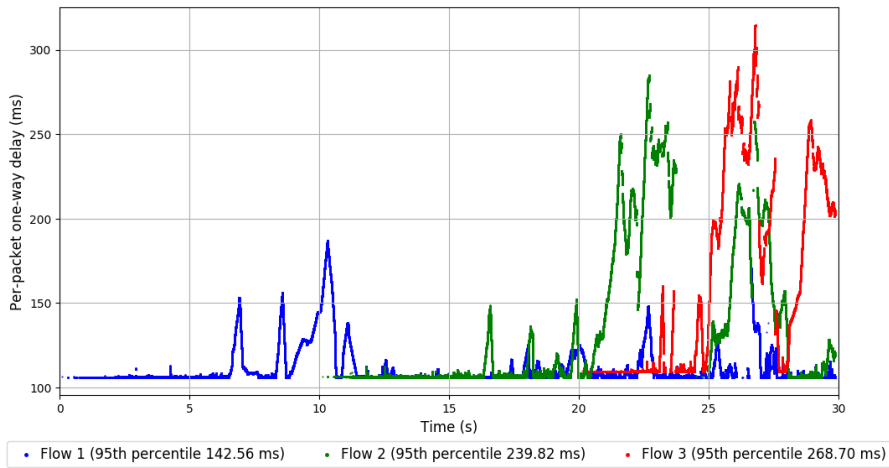
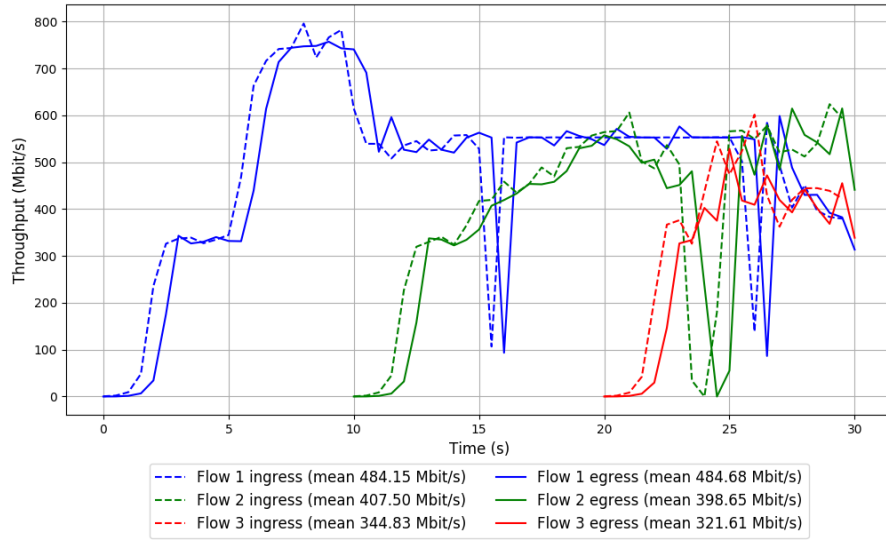
-- Flow 2:

Average throughput: 398.65 Mbit/s
95th percentile per-packet one-way delay: 239.819 ms
Loss rate: 3.23%

-- Flow 3:

Average throughput: 321.61 Mbit/s
95th percentile per-packet one-way delay: 268.701 ms
Loss rate: 8.78%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-09-18 05:15:52

End at: 2019-09-18 05:16:22

Local clock offset: 0.011 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2019-09-18 07:49:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 858.95 Mbit/s

95th percentile per-packet one-way delay: 238.674 ms

Loss rate: 3.70%

-- Flow 1:

Average throughput: 475.17 Mbit/s

95th percentile per-packet one-way delay: 237.466 ms

Loss rate: 3.14%

-- Flow 2:

Average throughput: 414.64 Mbit/s

95th percentile per-packet one-way delay: 247.783 ms

Loss rate: 4.05%

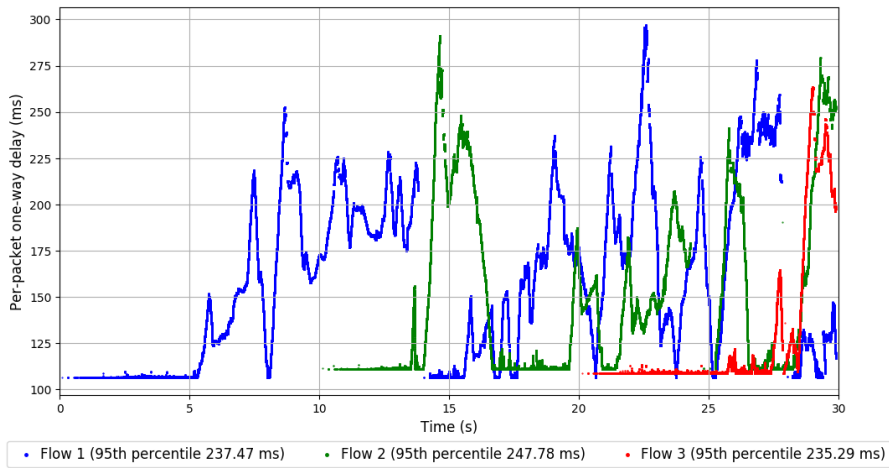
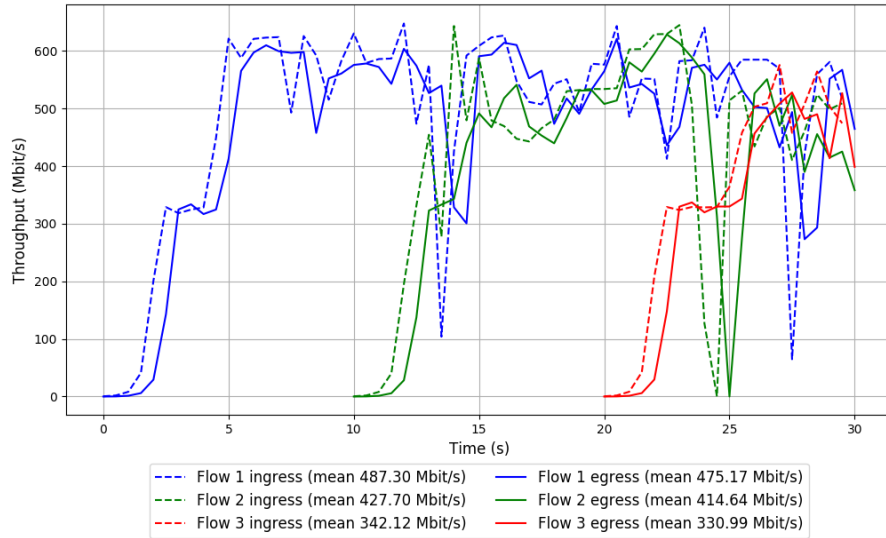
-- Flow 3:

Average throughput: 330.99 Mbit/s

95th percentile per-packet one-way delay: 235.287 ms

Loss rate: 5.21%

Run 3: Report of TCP BBR — Data Link

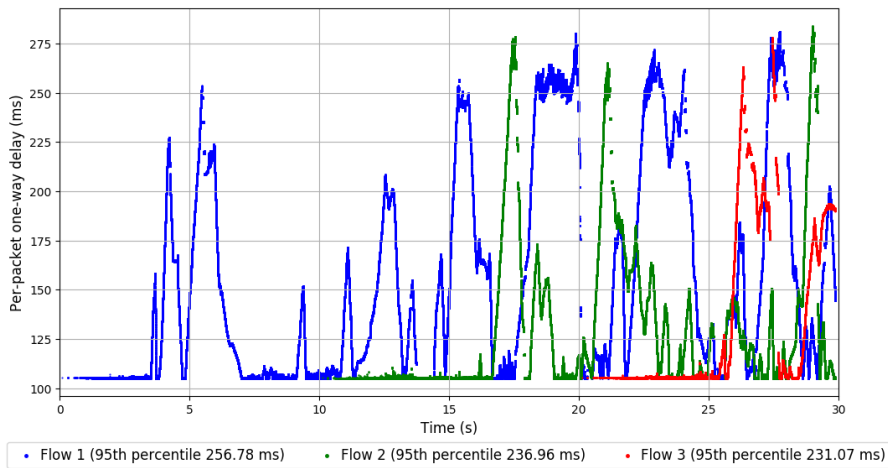
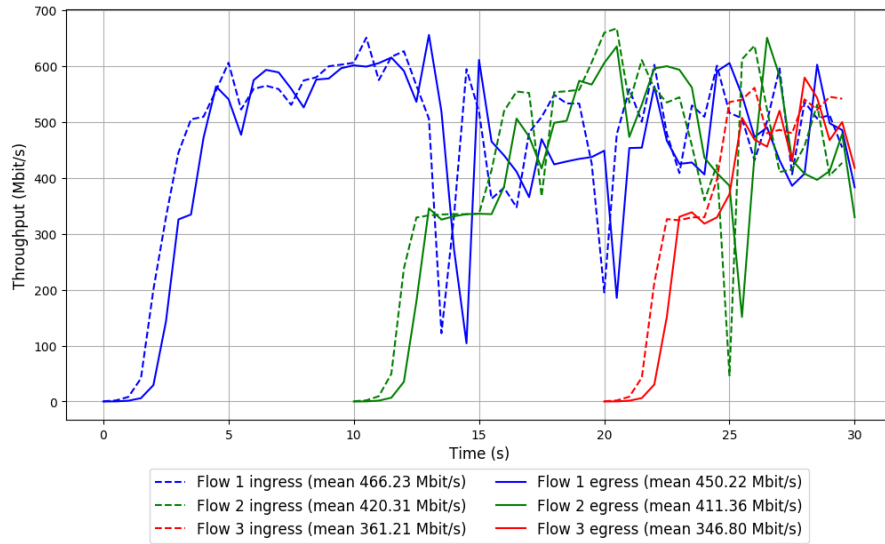


Run 4: Statistics of TCP BBR

Start at: 2019-09-18 05:59:01
End at: 2019-09-18 05:59:31
Local clock offset: -0.886 ms
Remote clock offset: -0.243 ms

```
# Below is generated by plot.py at 2019-09-18 07:49:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 836.99 Mbit/s
95th percentile per-packet one-way delay: 253.581 ms
Loss rate: 4.09%
-- Flow 1:
Average throughput: 450.22 Mbit/s
95th percentile per-packet one-way delay: 256.776 ms
Loss rate: 4.13%
-- Flow 2:
Average throughput: 411.36 Mbit/s
95th percentile per-packet one-way delay: 236.959 ms
Loss rate: 3.19%
-- Flow 3:
Average throughput: 346.80 Mbit/s
95th percentile per-packet one-way delay: 231.067 ms
Loss rate: 6.07%
```

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-09-18 06:42:12
End at: 2019-09-18 06:42:42
Local clock offset: 0.05 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2019-09-18 07:49:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 815.57 Mbit/s
95th percentile per-packet one-way delay: 240.677 ms
Loss rate: 3.44%

-- Flow 1:

Average throughput: 464.86 Mbit/s
95th percentile per-packet one-way delay: 250.589 ms
Loss rate: 4.43%

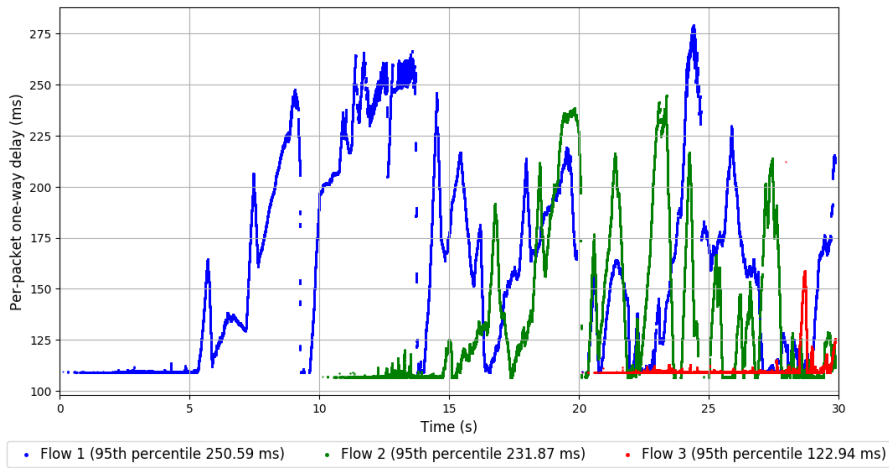
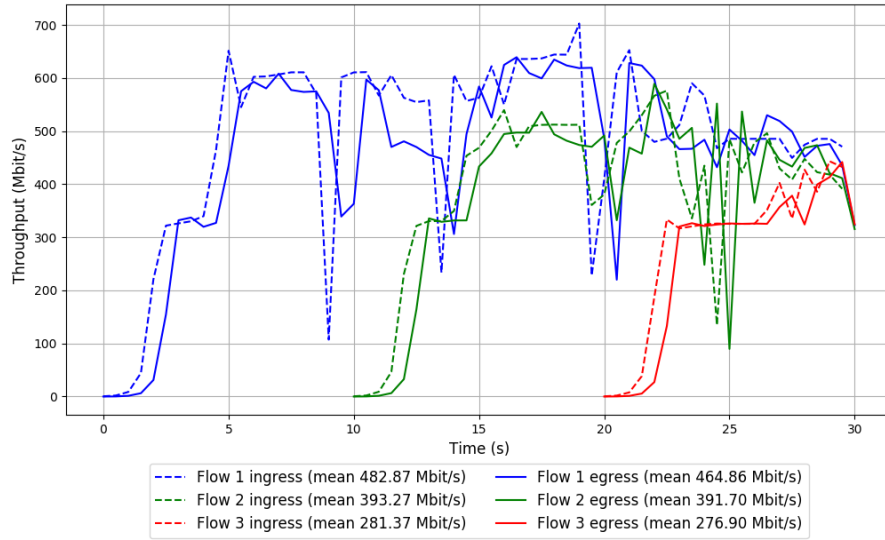
-- Flow 2:

Average throughput: 391.70 Mbit/s
95th percentile per-packet one-way delay: 231.874 ms
Loss rate: 1.49%

-- Flow 3:

Average throughput: 276.90 Mbit/s
95th percentile per-packet one-way delay: 122.941 ms
Loss rate: 3.75%

Run 5: Report of TCP BBR — Data Link

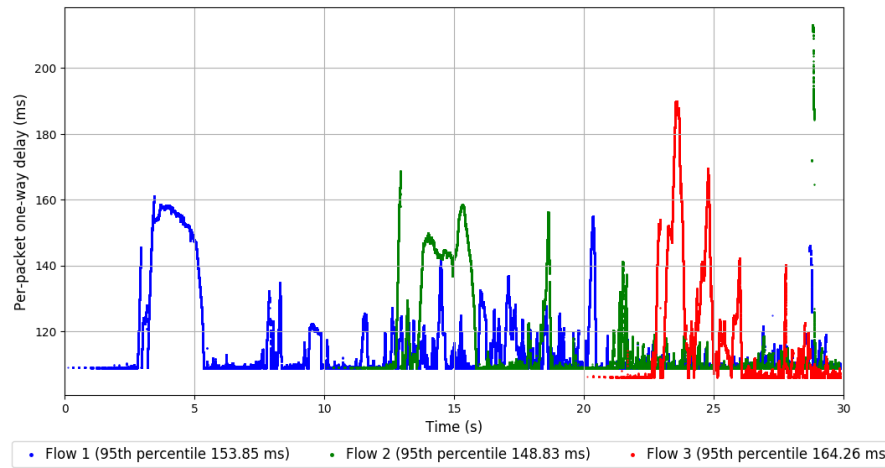
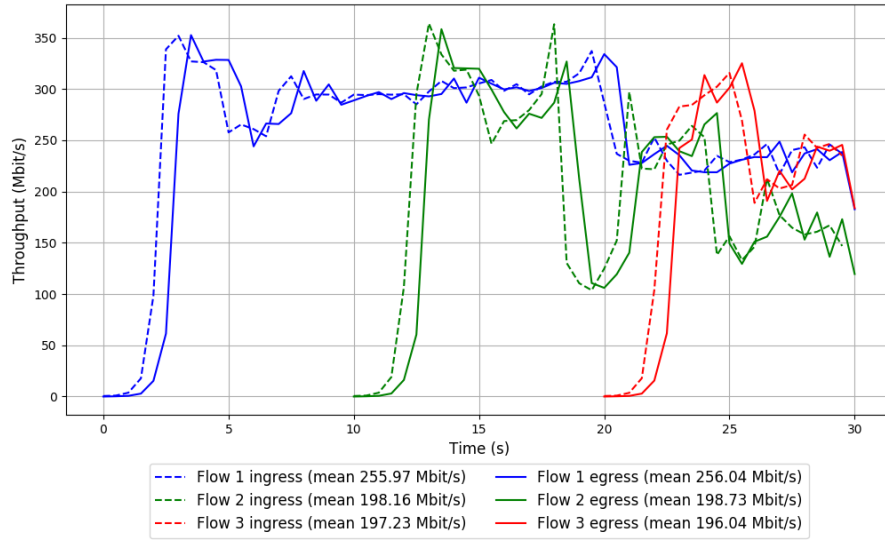


Run 1: Statistics of Copa

Start at: 2019-09-18 04:16:37
End at: 2019-09-18 04:17:07
Local clock offset: -0.215 ms
Remote clock offset: -0.163 ms

```
# Below is generated by plot.py at 2019-09-18 07:49:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 451.88 Mbit/s
95th percentile per-packet one-way delay: 153.591 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 256.04 Mbit/s
95th percentile per-packet one-way delay: 153.850 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 198.73 Mbit/s
95th percentile per-packet one-way delay: 148.827 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 196.04 Mbit/s
95th percentile per-packet one-way delay: 164.258 ms
Loss rate: 2.73%
```

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-09-18 04:59:42

End at: 2019-09-18 05:00:12

Local clock offset: -0.054 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2019-09-18 07:50:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 516.33 Mbit/s

95th percentile per-packet one-way delay: 150.765 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 288.32 Mbit/s

95th percentile per-packet one-way delay: 135.736 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 249.61 Mbit/s

95th percentile per-packet one-way delay: 156.424 ms

Loss rate: 1.18%

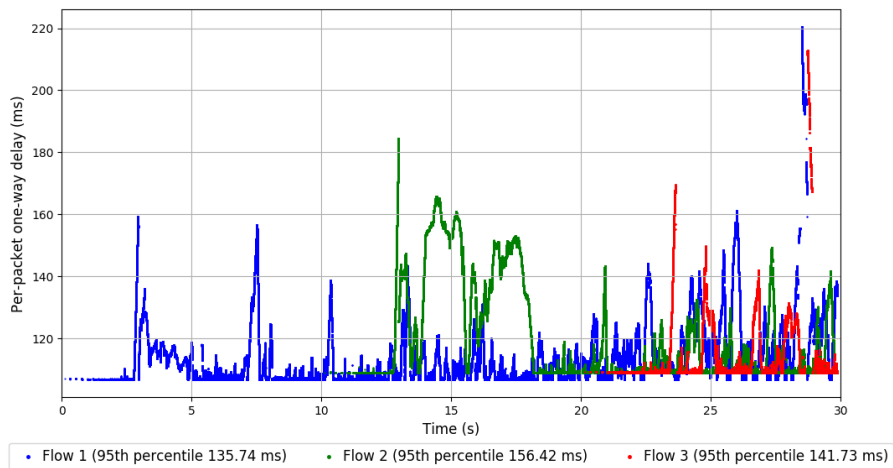
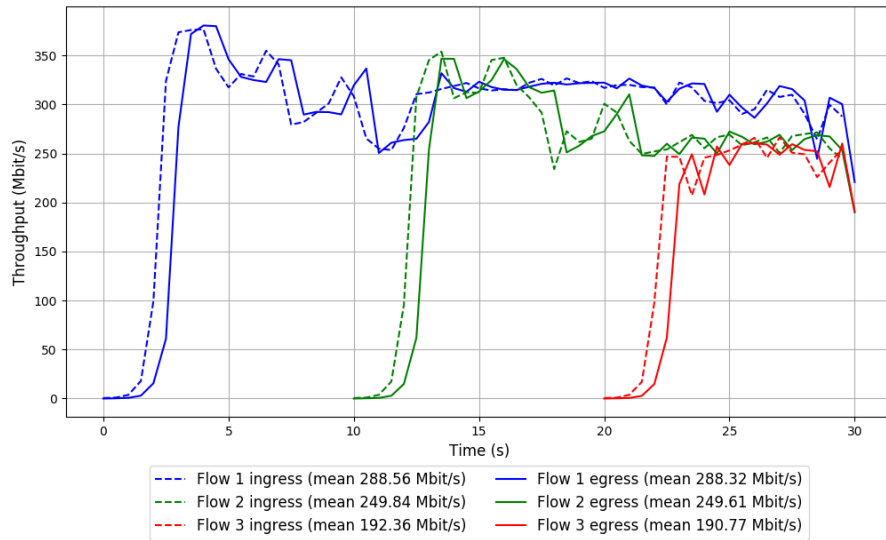
-- Flow 3:

Average throughput: 190.77 Mbit/s

95th percentile per-packet one-way delay: 141.730 ms

Loss rate: 2.98%

Run 2: Report of Copa — Data Link

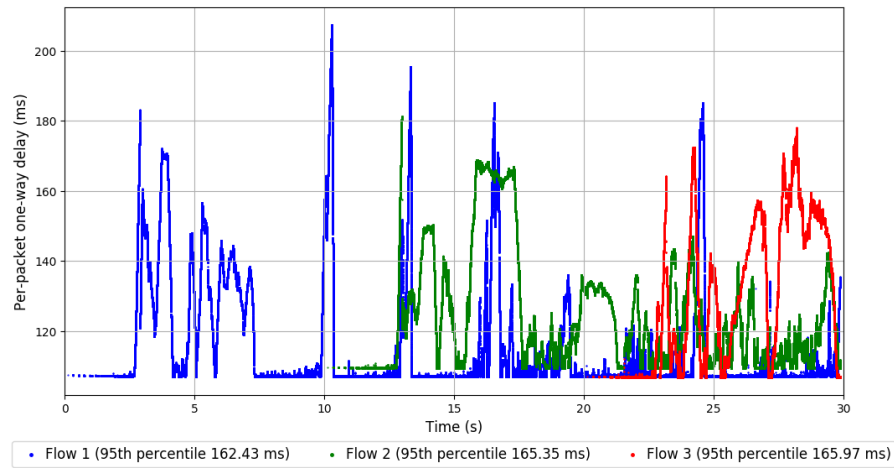
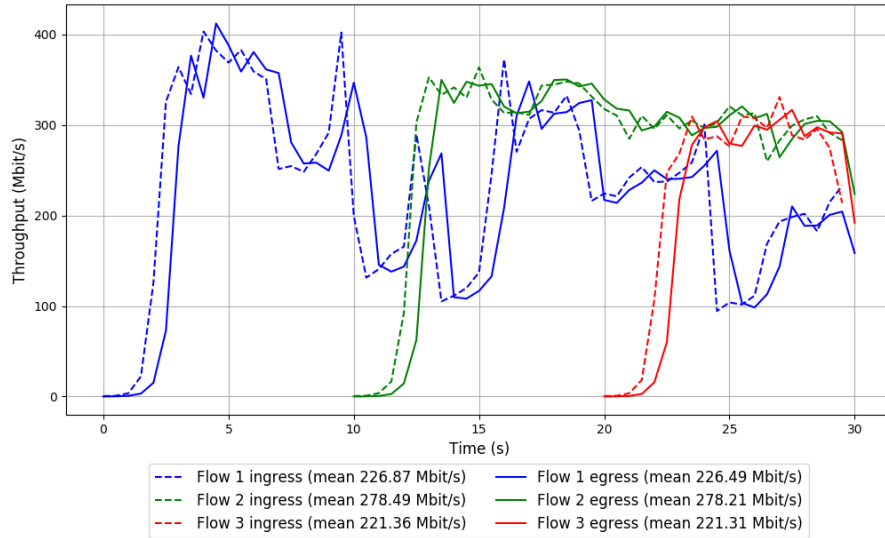


Run 3: Statistics of Copa

Start at: 2019-09-18 05:42:55
End at: 2019-09-18 05:43:25
Local clock offset: 0.088 ms
Remote clock offset: -0.294 ms

```
# Below is generated by plot.py at 2019-09-18 07:50:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 483.53 Mbit/s
95th percentile per-packet one-way delay: 165.075 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 226.49 Mbit/s
95th percentile per-packet one-way delay: 162.433 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 278.21 Mbit/s
95th percentile per-packet one-way delay: 165.348 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 221.31 Mbit/s
95th percentile per-packet one-way delay: 165.968 ms
Loss rate: 2.16%
```

Run 3: Report of Copa — Data Link

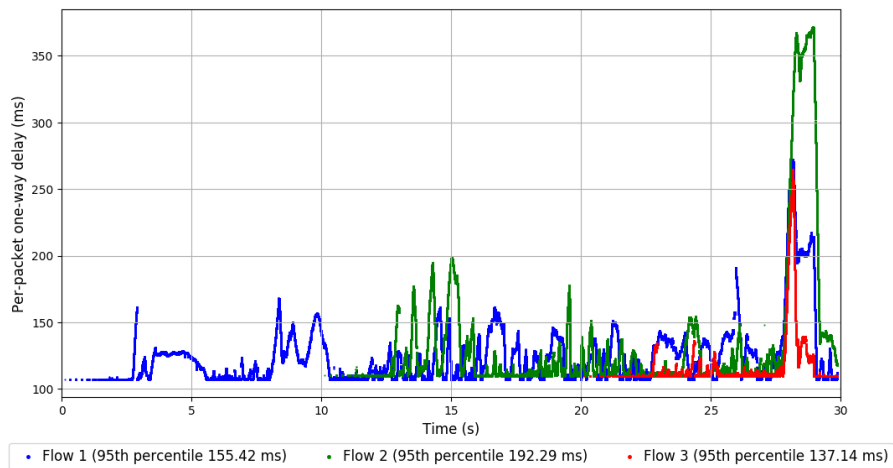
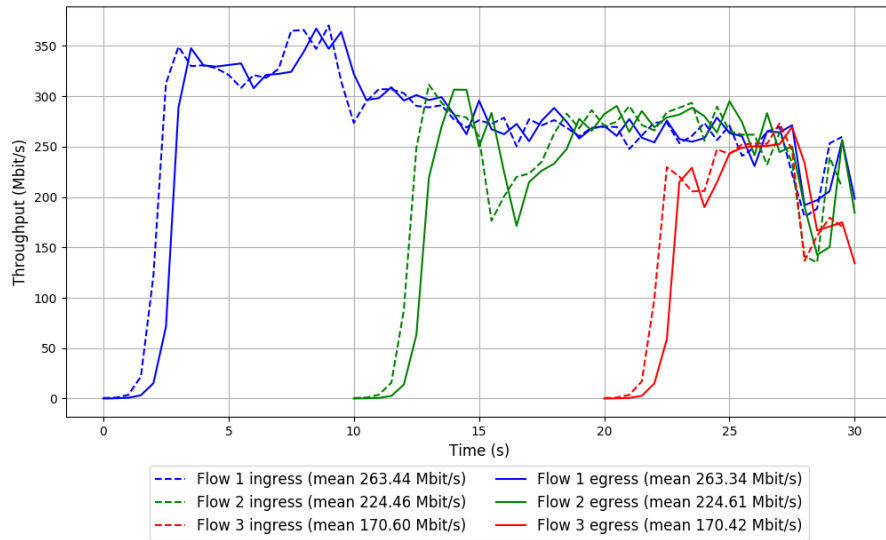


Run 4: Statistics of Copa

Start at: 2019-09-18 06:26:15
End at: 2019-09-18 06:26:45
Local clock offset: 0.075 ms
Remote clock offset: -0.571 ms

```
# Below is generated by plot.py at 2019-09-18 08:02:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 468.15 Mbit/s
95th percentile per-packet one-way delay: 167.440 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 263.34 Mbit/s
95th percentile per-packet one-way delay: 155.416 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 224.61 Mbit/s
95th percentile per-packet one-way delay: 192.291 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 170.42 Mbit/s
95th percentile per-packet one-way delay: 137.139 ms
Loss rate: 2.26%
```

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-09-18 07:09:33

End at: 2019-09-18 07:10:03

Local clock offset: -0.003 ms

Remote clock offset: 0.232 ms

Below is generated by plot.py at 2019-09-18 08:03:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 463.10 Mbit/s

95th percentile per-packet one-way delay: 152.410 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 232.77 Mbit/s

95th percentile per-packet one-way delay: 152.786 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 246.36 Mbit/s

95th percentile per-packet one-way delay: 141.081 ms

Loss rate: 1.11%

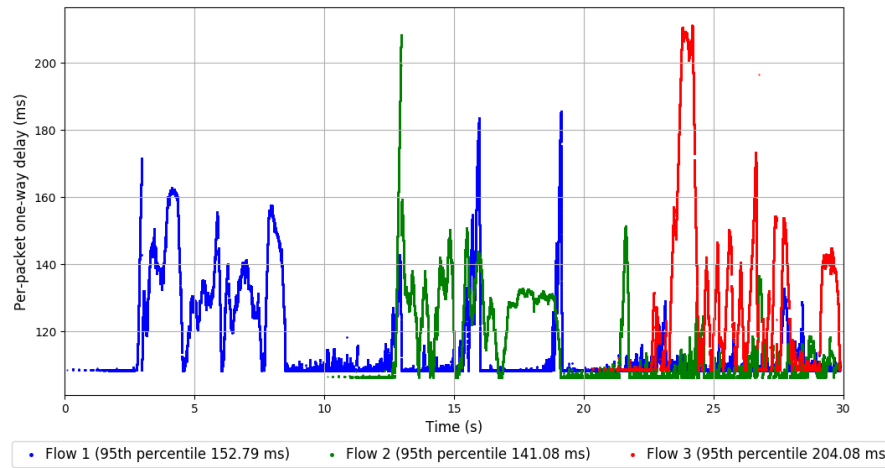
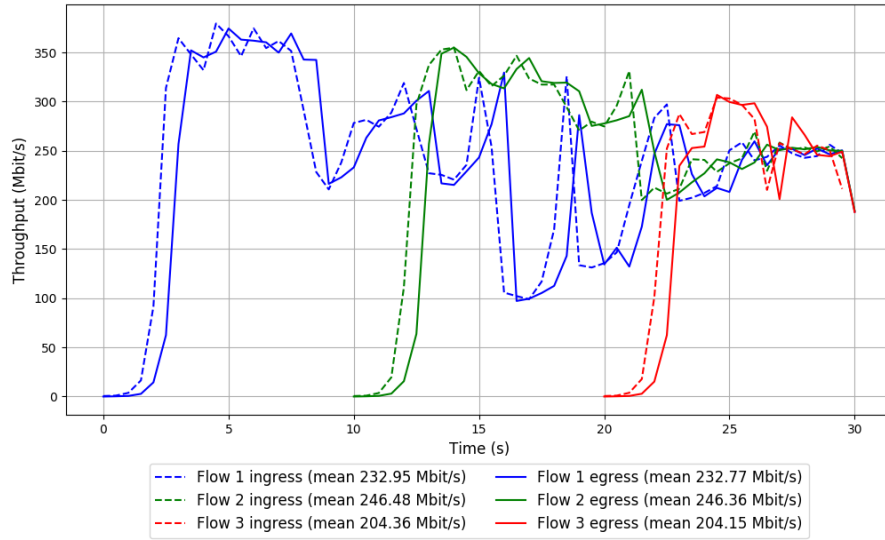
-- Flow 3:

Average throughput: 204.15 Mbit/s

95th percentile per-packet one-way delay: 204.080 ms

Loss rate: 2.27%

Run 5: Report of Copa — Data Link

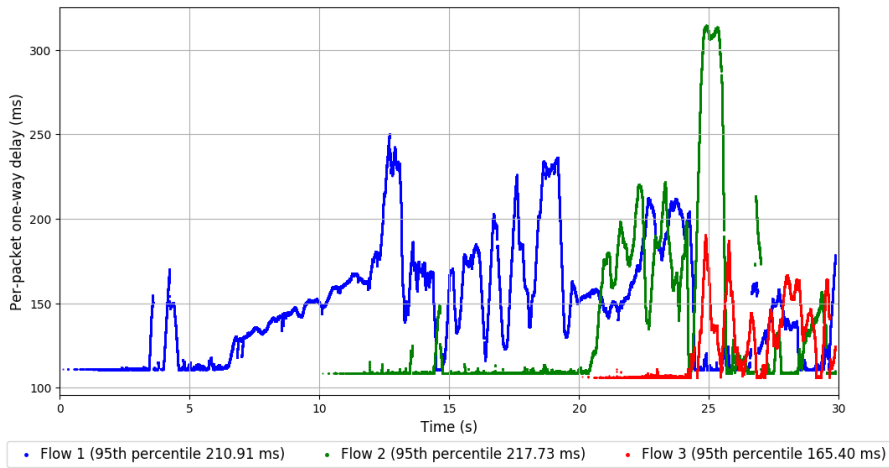
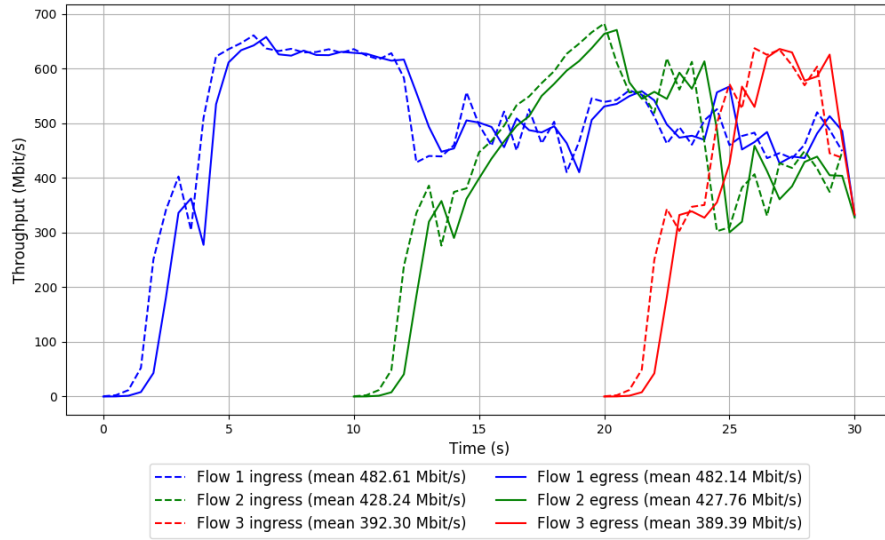


Run 1: Statistics of TCP Cubic

Start at: 2019-09-18 04:07:26
End at: 2019-09-18 04:07:56
Local clock offset: -0.718 ms
Remote clock offset: -0.213 ms

```
# Below is generated by plot.py at 2019-09-18 08:04:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 893.56 Mbit/s
95th percentile per-packet one-way delay: 209.063 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 482.14 Mbit/s
95th percentile per-packet one-way delay: 210.906 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 427.76 Mbit/s
95th percentile per-packet one-way delay: 217.732 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 389.39 Mbit/s
95th percentile per-packet one-way delay: 165.399 ms
Loss rate: 2.90%
```

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-09-18 04:50:35
End at: 2019-09-18 04:51:05
Local clock offset: 0.012 ms
Remote clock offset: -0.322 ms

Below is generated by plot.py at 2019-09-18 08:04:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 828.98 Mbit/s
95th percentile per-packet one-way delay: 199.483 ms
Loss rate: 1.18%

-- Flow 1:

Average throughput: 485.68 Mbit/s
95th percentile per-packet one-way delay: 213.594 ms
Loss rate: 0.75%

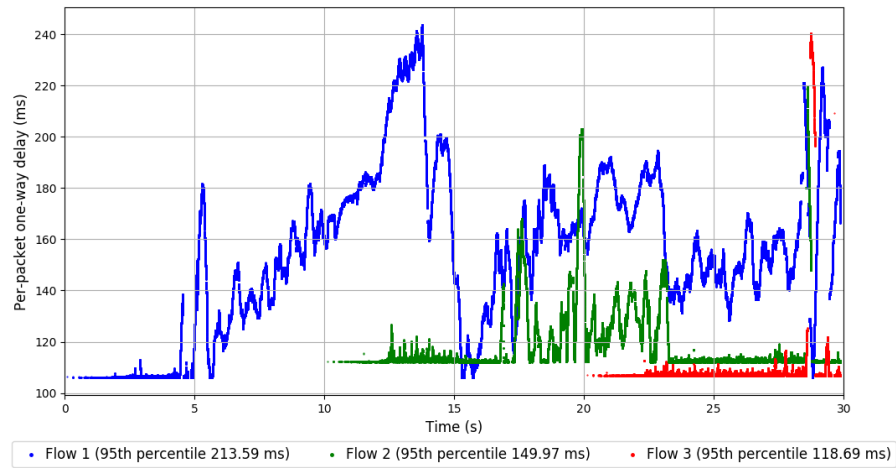
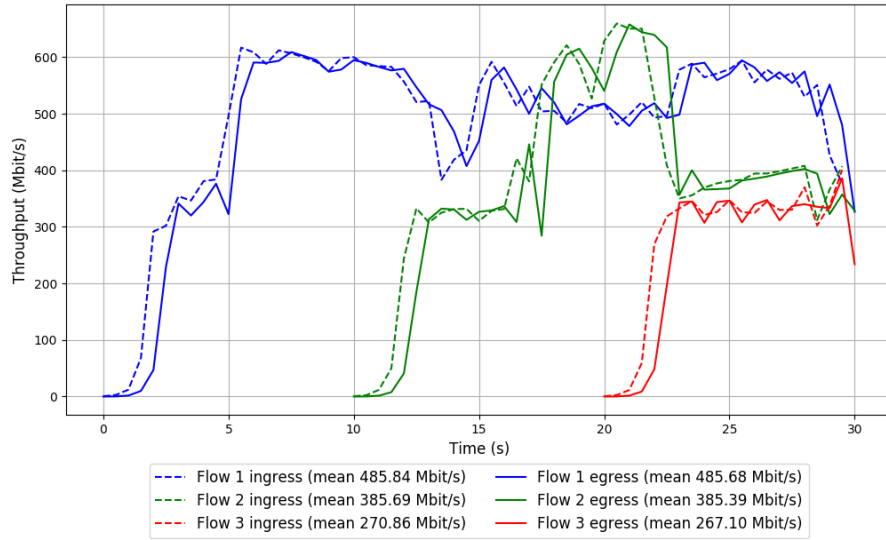
-- Flow 2:

Average throughput: 385.39 Mbit/s
95th percentile per-packet one-way delay: 149.974 ms
Loss rate: 1.19%

-- Flow 3:

Average throughput: 267.10 Mbit/s
95th percentile per-packet one-way delay: 118.689 ms
Loss rate: 3.50%

Run 2: Report of TCP Cubic — Data Link

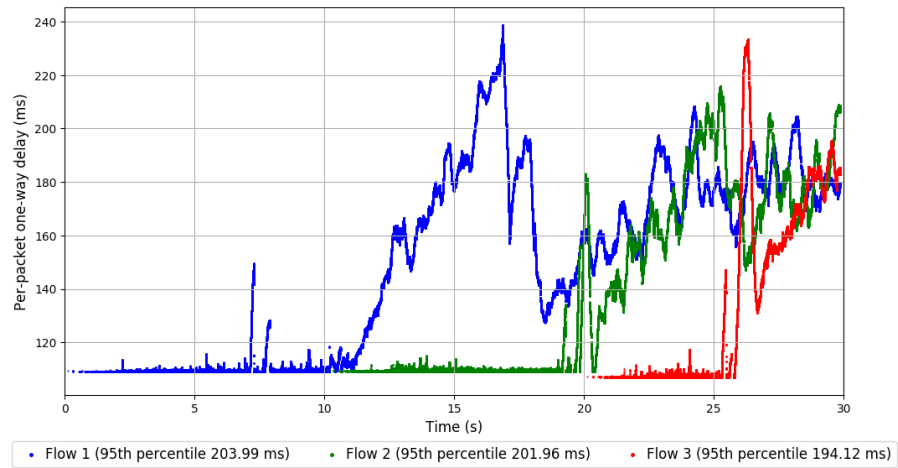
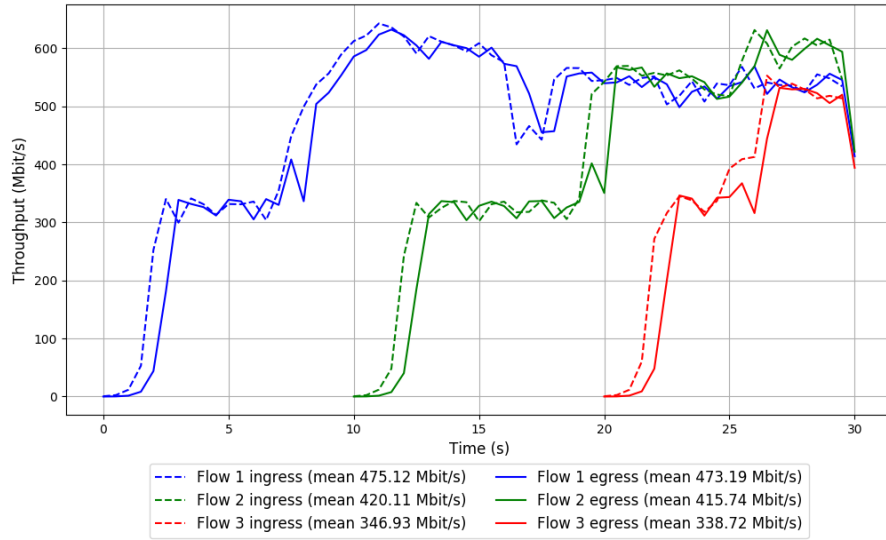


Run 3: Statistics of TCP Cubic

Start at: 2019-09-18 05:33:50
End at: 2019-09-18 05:34:20
Local clock offset: 0.056 ms
Remote clock offset: -0.293 ms

```
# Below is generated by plot.py at 2019-09-18 08:04:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 860.10 Mbit/s
95th percentile per-packet one-way delay: 202.364 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 473.19 Mbit/s
95th percentile per-packet one-way delay: 203.988 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 415.74 Mbit/s
95th percentile per-packet one-way delay: 201.956 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 338.72 Mbit/s
95th percentile per-packet one-way delay: 194.120 ms
Loss rate: 4.46%
```

Run 3: Report of TCP Cubic — Data Link

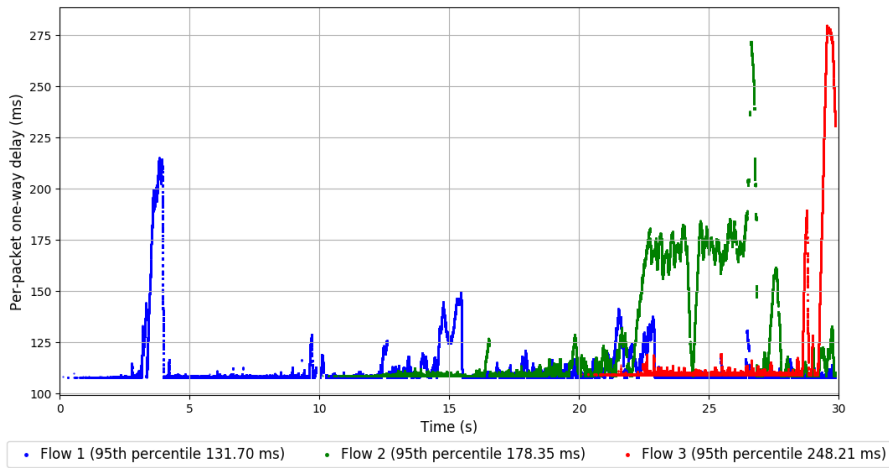
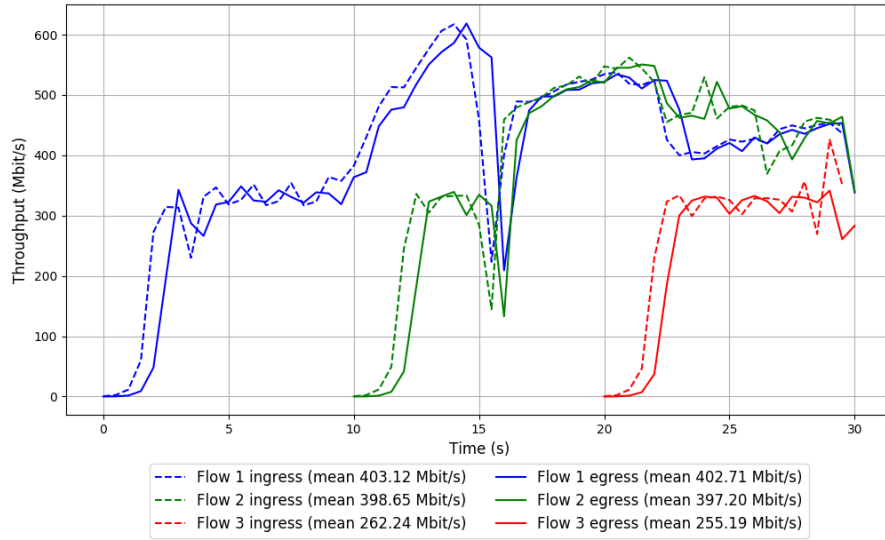


Run 4: Statistics of TCP Cubic

Start at: 2019-09-18 06:17:18
End at: 2019-09-18 06:17:48
Local clock offset: -0.616 ms
Remote clock offset: -0.235 ms

```
# Below is generated by plot.py at 2019-09-18 08:04:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 749.96 Mbit/s
95th percentile per-packet one-way delay: 173.434 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 402.71 Mbit/s
95th percentile per-packet one-way delay: 131.700 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 397.20 Mbit/s
95th percentile per-packet one-way delay: 178.349 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 255.19 Mbit/s
95th percentile per-packet one-way delay: 248.210 ms
Loss rate: 4.83%
```

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-09-18 07:00:31
End at: 2019-09-18 07:01:01
Local clock offset: 0.002 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2019-09-18 08:05:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 892.84 Mbit/s
95th percentile per-packet one-way delay: 201.186 ms
Loss rate: 1.16%

-- Flow 1:

Average throughput: 509.66 Mbit/s
95th percentile per-packet one-way delay: 210.127 ms
Loss rate: 0.90%

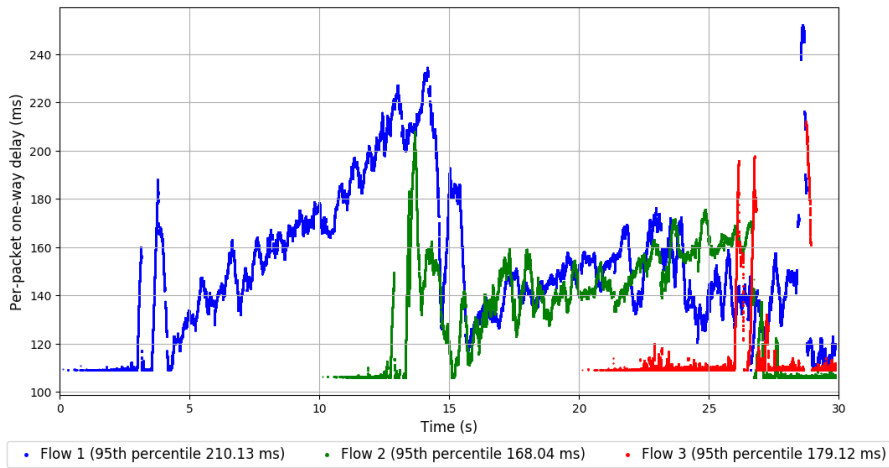
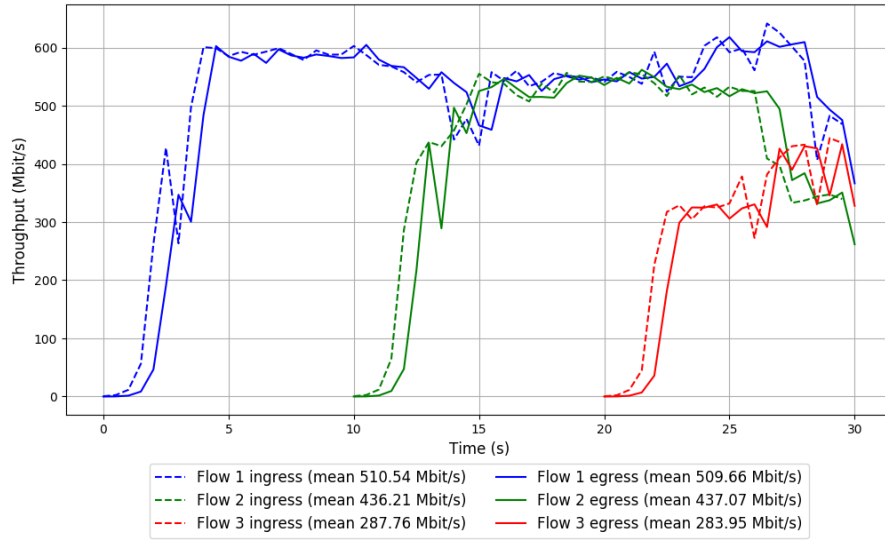
-- Flow 2:

Average throughput: 437.07 Mbit/s
95th percentile per-packet one-way delay: 168.038 ms
Loss rate: 0.87%

-- Flow 3:

Average throughput: 283.95 Mbit/s
95th percentile per-packet one-way delay: 179.117 ms
Loss rate: 3.50%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-09-18 03:51:16
End at: 2019-09-18 03:51:46
Local clock offset: -0.048 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2019-09-18 08:07:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 804.61 Mbit/s
95th percentile per-packet one-way delay: 163.003 ms
Loss rate: 2.04%

-- Flow 1:

Average throughput: 499.87 Mbit/s
95th percentile per-packet one-way delay: 172.335 ms
Loss rate: 2.49%

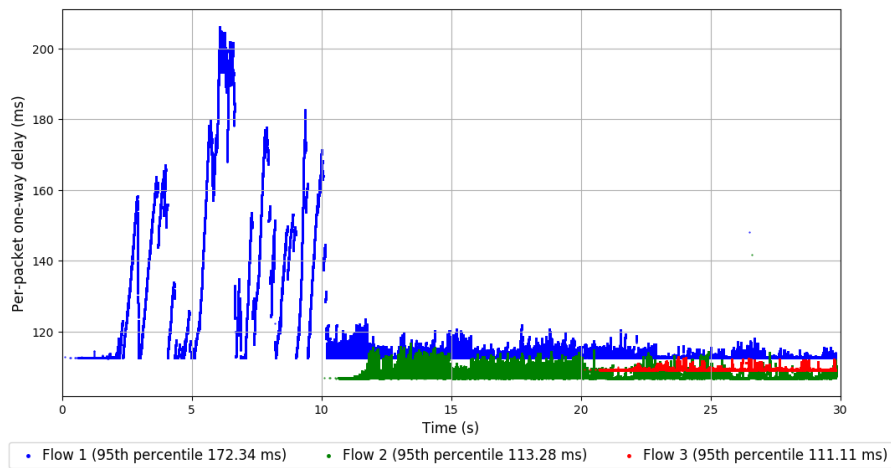
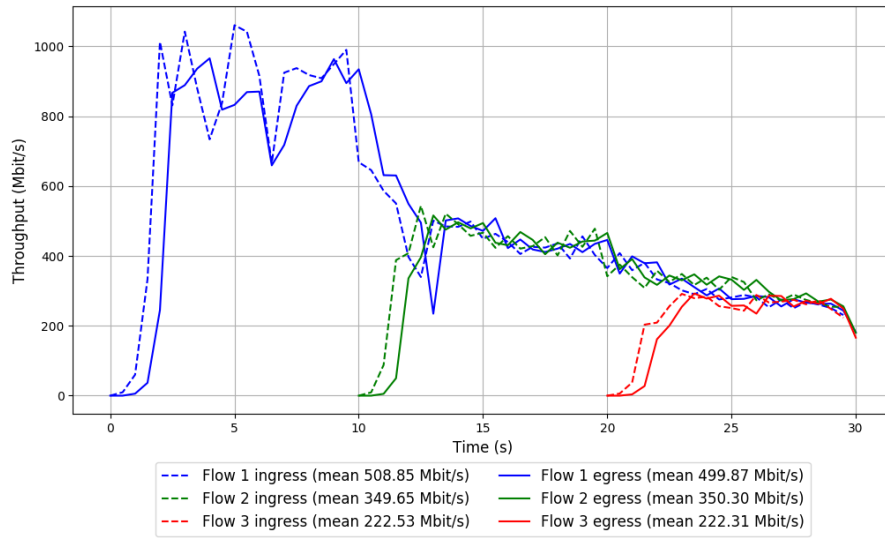
-- Flow 2:

Average throughput: 350.30 Mbit/s
95th percentile per-packet one-way delay: 113.279 ms
Loss rate: 0.90%

-- Flow 3:

Average throughput: 222.31 Mbit/s
95th percentile per-packet one-way delay: 111.110 ms
Loss rate: 2.54%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-09-18 04:34:36

End at: 2019-09-18 04:35:06

Local clock offset: -0.628 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2019-09-18 08:11:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 474.33 Mbit/s

95th percentile per-packet one-way delay: 149.400 ms

Loss rate: 1.48%

-- Flow 1:

Average throughput: 172.21 Mbit/s

95th percentile per-packet one-way delay: 168.812 ms

Loss rate: 1.71%

-- Flow 2:

Average throughput: 336.63 Mbit/s

95th percentile per-packet one-way delay: 112.743 ms

Loss rate: 0.85%

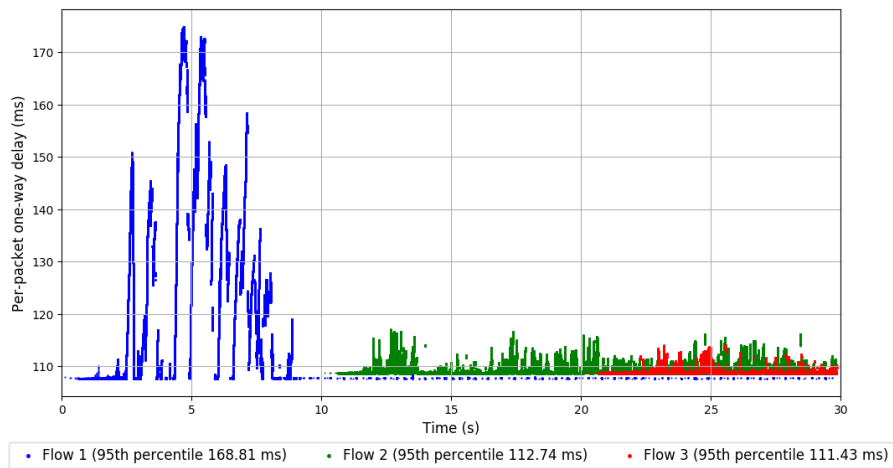
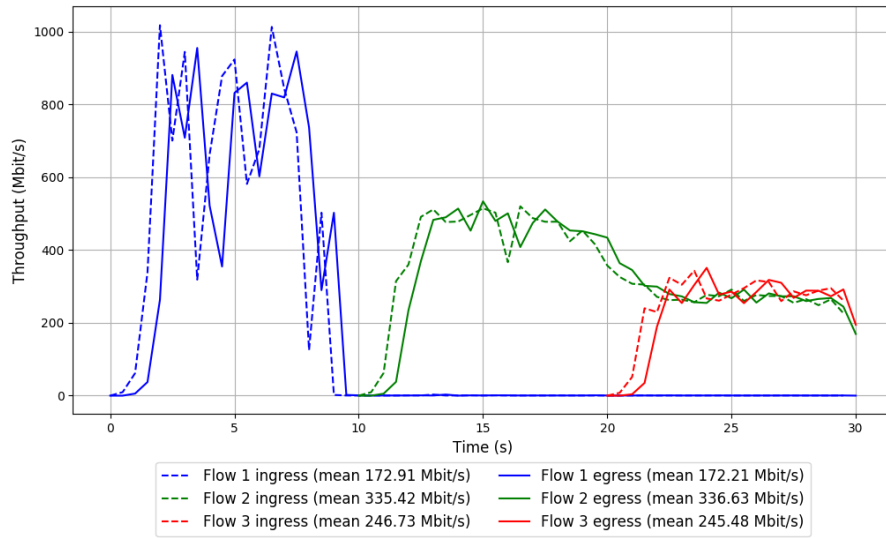
-- Flow 3:

Average throughput: 245.48 Mbit/s

95th percentile per-packet one-way delay: 111.428 ms

Loss rate: 2.71%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-09-18 05:18:05

End at: 2019-09-18 05:18:35

Local clock offset: -0.031 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2019-09-18 08:12:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 510.56 Mbit/s

95th percentile per-packet one-way delay: 155.986 ms

Loss rate: 1.50%

-- Flow 1:

Average throughput: 214.55 Mbit/s

95th percentile per-packet one-way delay: 170.559 ms

Loss rate: 1.75%

-- Flow 2:

Average throughput: 330.75 Mbit/s

95th percentile per-packet one-way delay: 118.431 ms

Loss rate: 0.77%

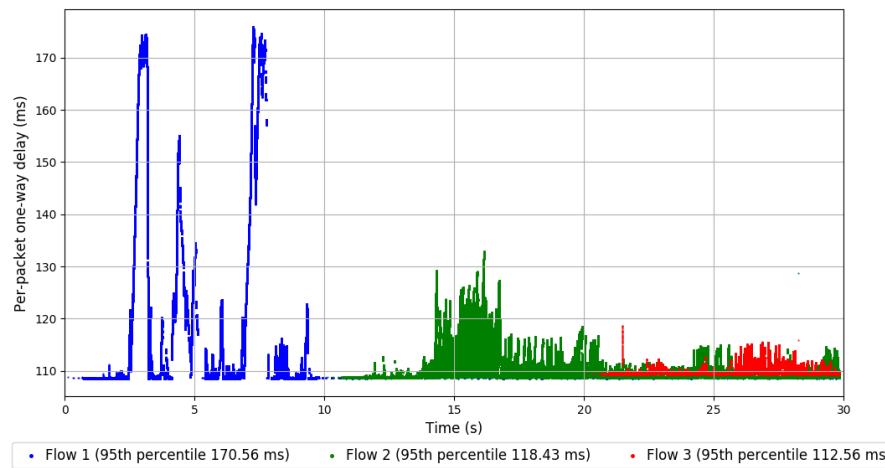
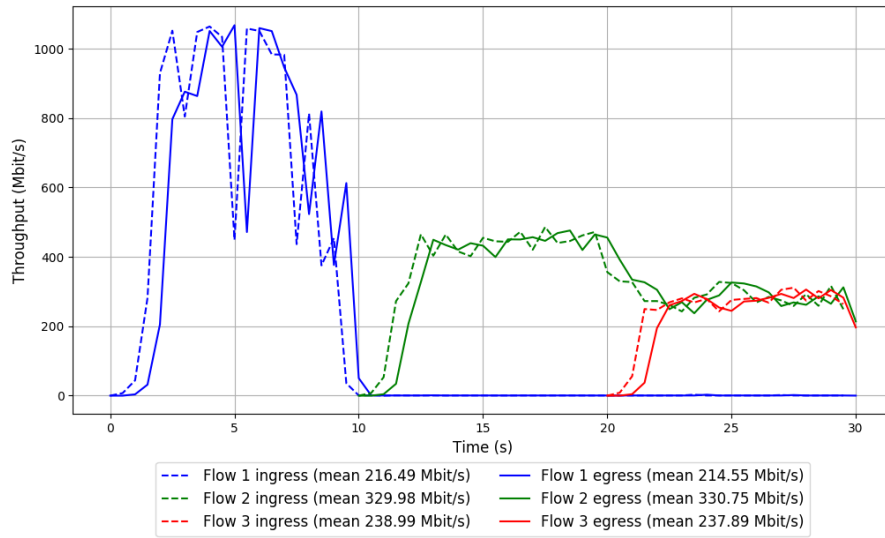
-- Flow 3:

Average throughput: 237.89 Mbit/s

95th percentile per-packet one-way delay: 112.564 ms

Loss rate: 2.86%

Run 3: Report of FillP — Data Link

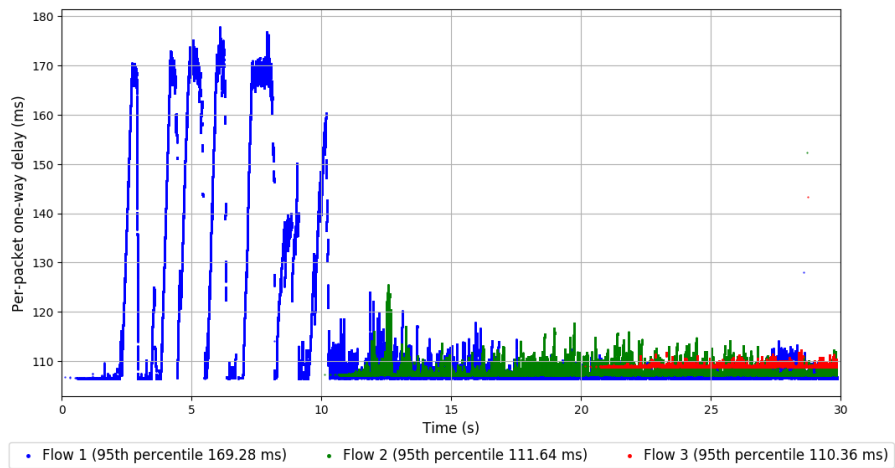
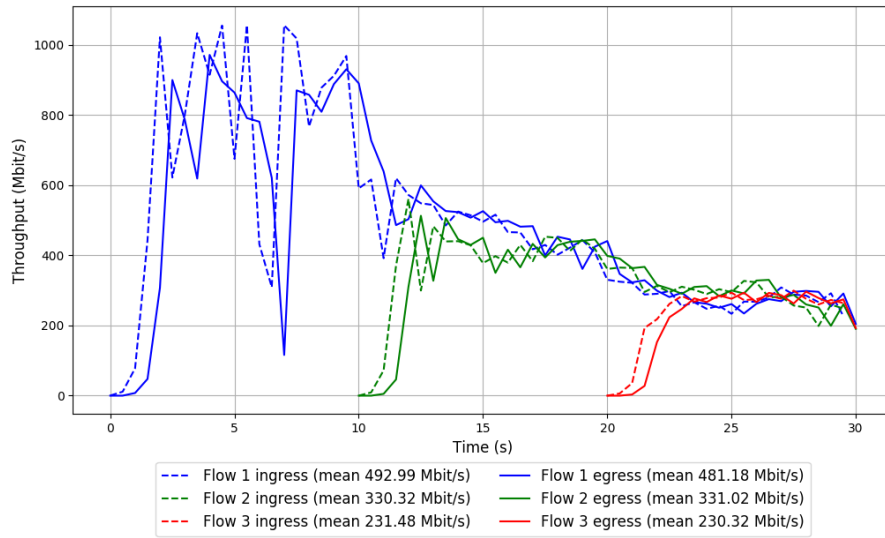


Run 4: Statistics of FillP

Start at: 2019-09-18 06:01:15
End at: 2019-09-18 06:01:45
Local clock offset: 0.13 ms
Remote clock offset: -0.541 ms

```
# Below is generated by plot.py at 2019-09-18 08:19:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 775.85 Mbit/s
95th percentile per-packet one-way delay: 167.801 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 481.18 Mbit/s
95th percentile per-packet one-way delay: 169.275 ms
Loss rate: 3.04%
-- Flow 2:
Average throughput: 331.02 Mbit/s
95th percentile per-packet one-way delay: 111.639 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 230.32 Mbit/s
95th percentile per-packet one-way delay: 110.357 ms
Loss rate: 2.83%
```

Run 4: Report of FillP — Data Link

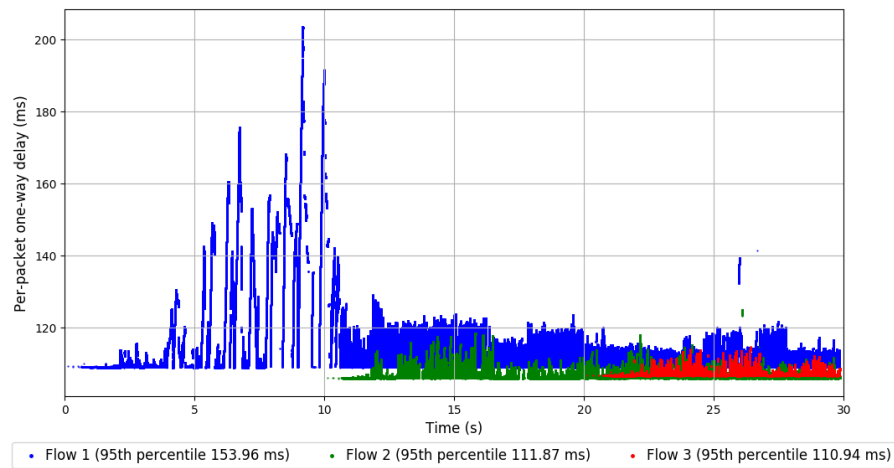
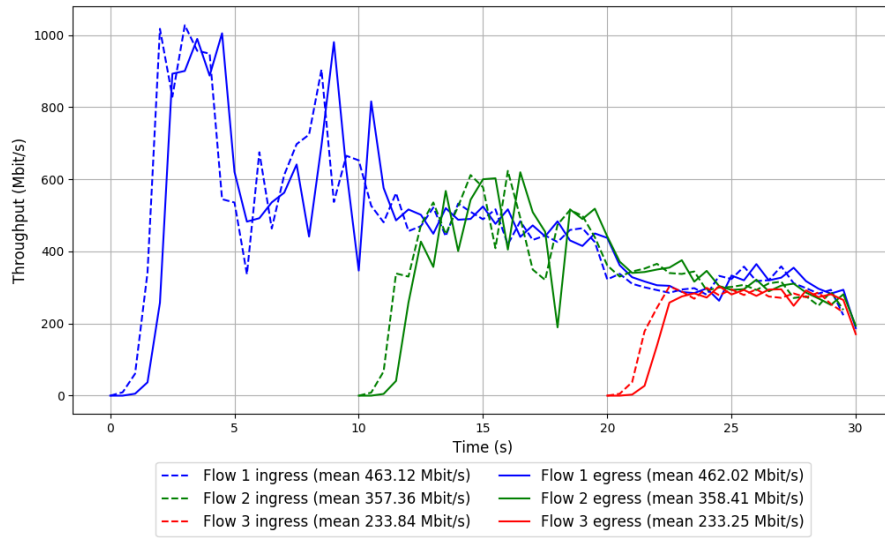


Run 5: Statistics of FillP

Start at: 2019-09-18 06:44:20
End at: 2019-09-18 06:44:50
Local clock offset: -0.036 ms
Remote clock offset: -0.203 ms

```
# Below is generated by plot.py at 2019-09-18 08:19:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 775.88 Mbit/s
95th percentile per-packet one-way delay: 147.162 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 462.02 Mbit/s
95th percentile per-packet one-way delay: 153.961 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 358.41 Mbit/s
95th percentile per-packet one-way delay: 111.866 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 233.25 Mbit/s
95th percentile per-packet one-way delay: 110.936 ms
Loss rate: 2.41%
```

Run 5: Report of FillP — Data Link

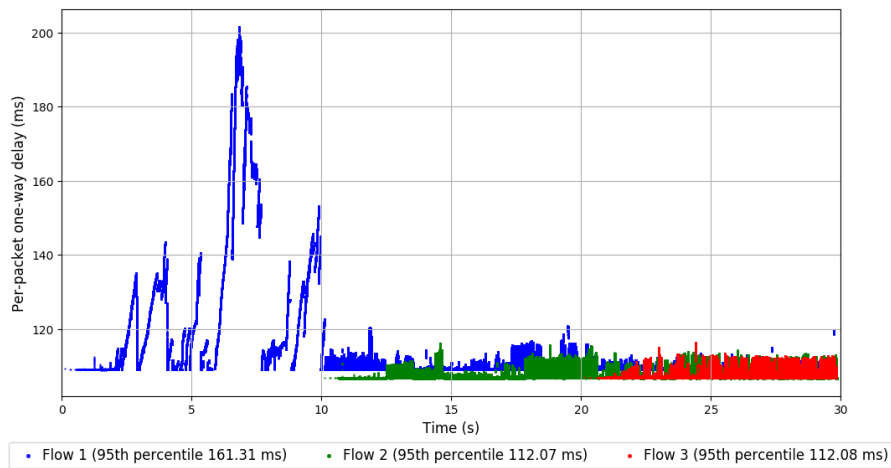
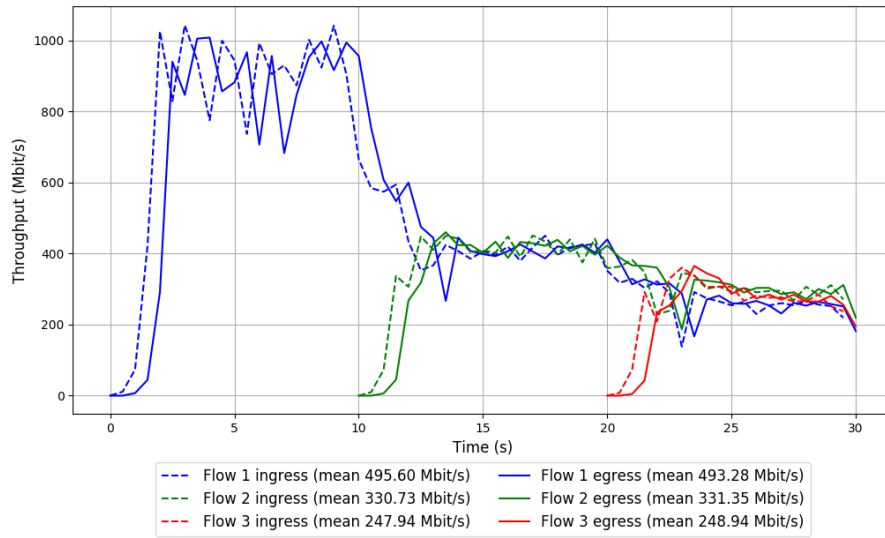


Run 1: Statistics of FillP-Sheep

Start at: 2019-09-18 03:57:04
End at: 2019-09-18 03:57:34
Local clock offset: -0.041 ms
Remote clock offset: -0.235 ms

```
# Below is generated by plot.py at 2019-09-18 08:21:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 794.17 Mbit/s
95th percentile per-packet one-way delay: 143.430 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 493.28 Mbit/s
95th percentile per-packet one-way delay: 161.308 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 331.35 Mbit/s
95th percentile per-packet one-way delay: 112.069 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 248.94 Mbit/s
95th percentile per-packet one-way delay: 112.075 ms
Loss rate: 2.05%
```

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-09-18 04:40:09

End at: 2019-09-18 04:40:39

Local clock offset: -0.634 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2019-09-18 08:21:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 792.43 Mbit/s

95th percentile per-packet one-way delay: 151.826 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 513.18 Mbit/s

95th percentile per-packet one-way delay: 158.684 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 304.76 Mbit/s

95th percentile per-packet one-way delay: 108.821 ms

Loss rate: 0.93%

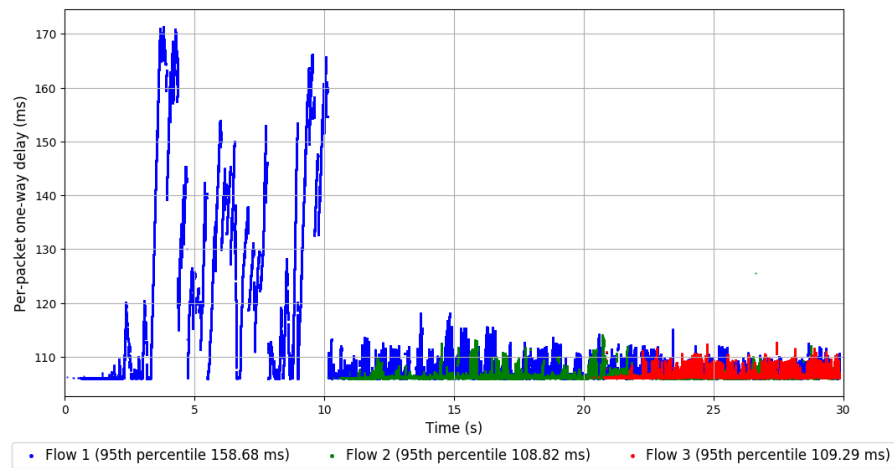
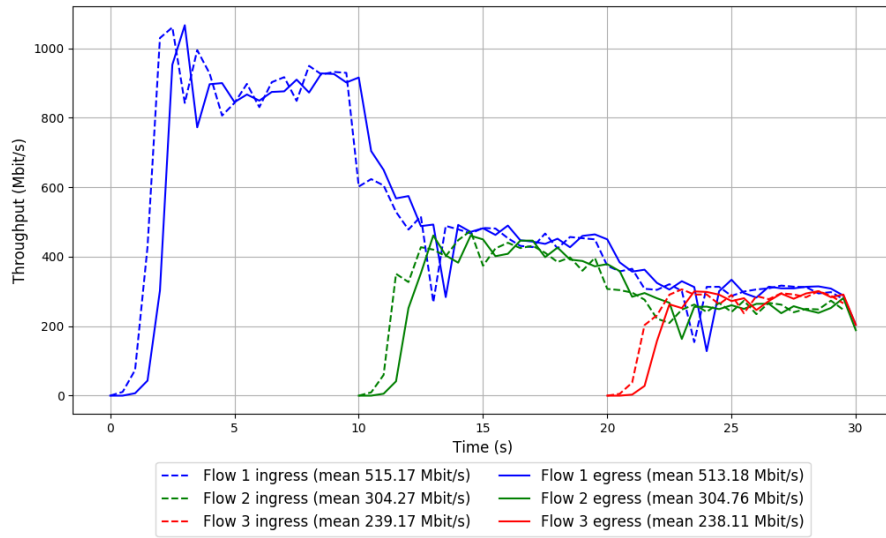
-- Flow 3:

Average throughput: 238.11 Mbit/s

95th percentile per-packet one-way delay: 109.290 ms

Loss rate: 2.62%

Run 2: Report of FillP-Sheep — Data Link

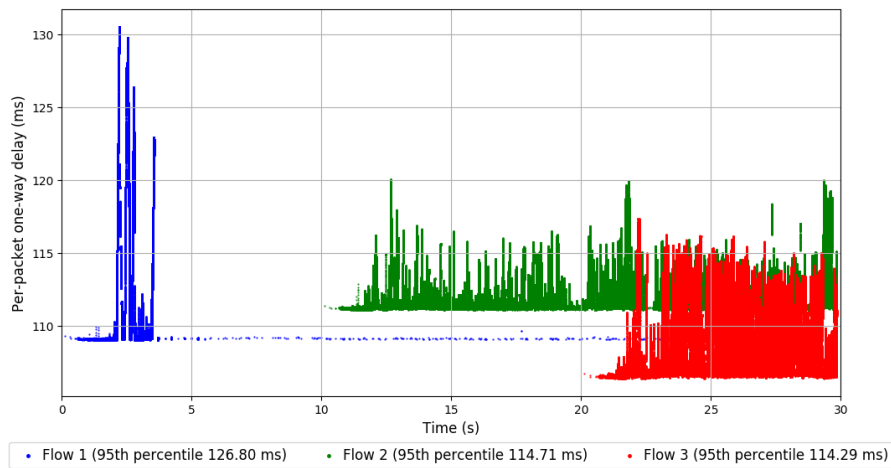
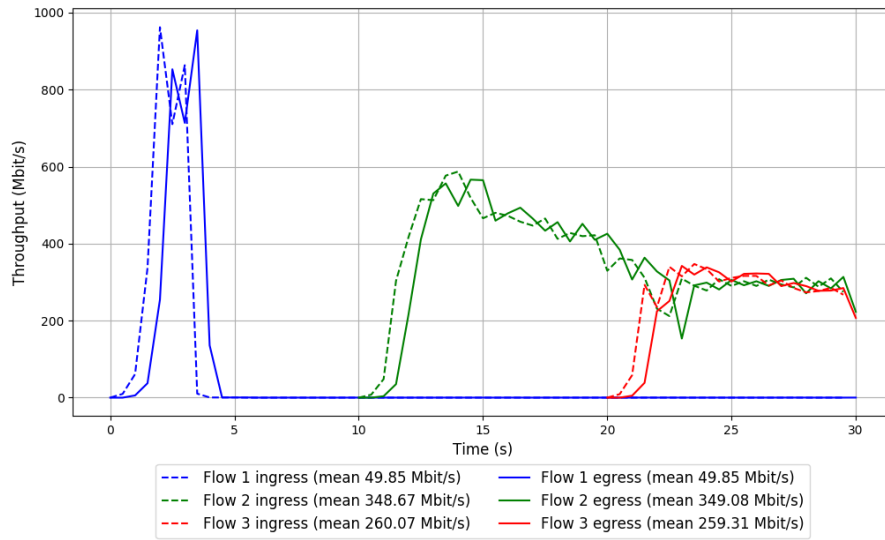


Run 3: Statistics of FillP-Sheep

Start at: 2019-09-18 05:23:41
End at: 2019-09-18 05:24:11
Local clock offset: -0.091 ms
Remote clock offset: -0.074 ms

```
# Below is generated by plot.py at 2019-09-18 08:21:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.99 Mbit/s
95th percentile per-packet one-way delay: 115.709 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 49.85 Mbit/s
95th percentile per-packet one-way delay: 126.796 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 349.08 Mbit/s
95th percentile per-packet one-way delay: 114.714 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 259.31 Mbit/s
95th percentile per-packet one-way delay: 114.289 ms
Loss rate: 2.38%
```

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-09-18 06:06:55
End at: 2019-09-18 06:07:25
Local clock offset: -0.019 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2019-09-18 08:26:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 815.17 Mbit/s
95th percentile per-packet one-way delay: 139.025 ms
Loss rate: 0.94%

-- Flow 1:

Average throughput: 524.39 Mbit/s
95th percentile per-packet one-way delay: 146.930 ms
Loss rate: 0.71%

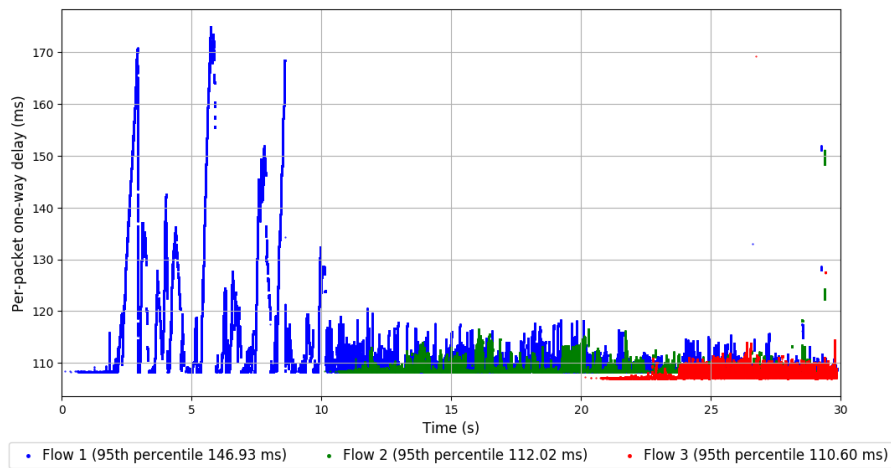
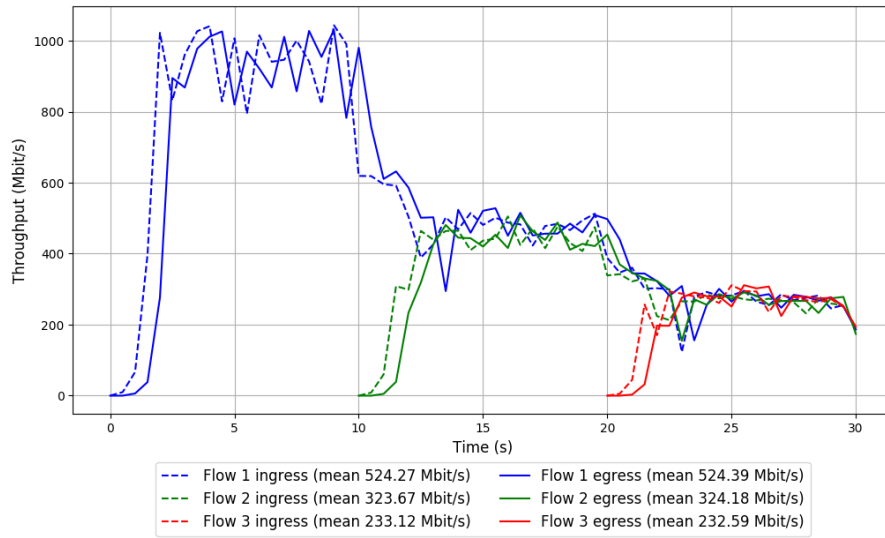
-- Flow 2:

Average throughput: 324.18 Mbit/s
95th percentile per-packet one-way delay: 112.016 ms
Loss rate: 0.93%

-- Flow 3:

Average throughput: 232.59 Mbit/s
95th percentile per-packet one-way delay: 110.601 ms
Loss rate: 2.55%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-09-18 06:50:03

End at: 2019-09-18 06:50:33

Local clock offset: -0.149 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2019-09-18 08:30:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 809.05 Mbit/s

95th percentile per-packet one-way delay: 151.288 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 504.18 Mbit/s

95th percentile per-packet one-way delay: 162.384 ms

Loss rate: 1.19%

-- Flow 2:

Average throughput: 336.92 Mbit/s

95th percentile per-packet one-way delay: 113.167 ms

Loss rate: 0.92%

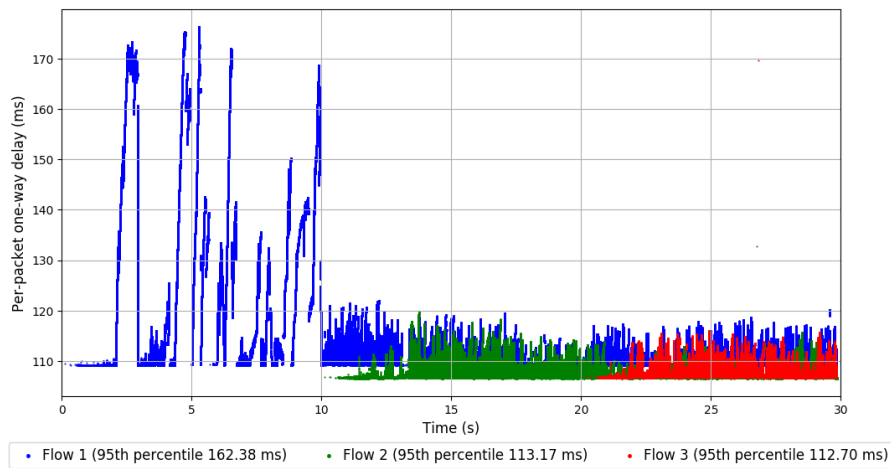
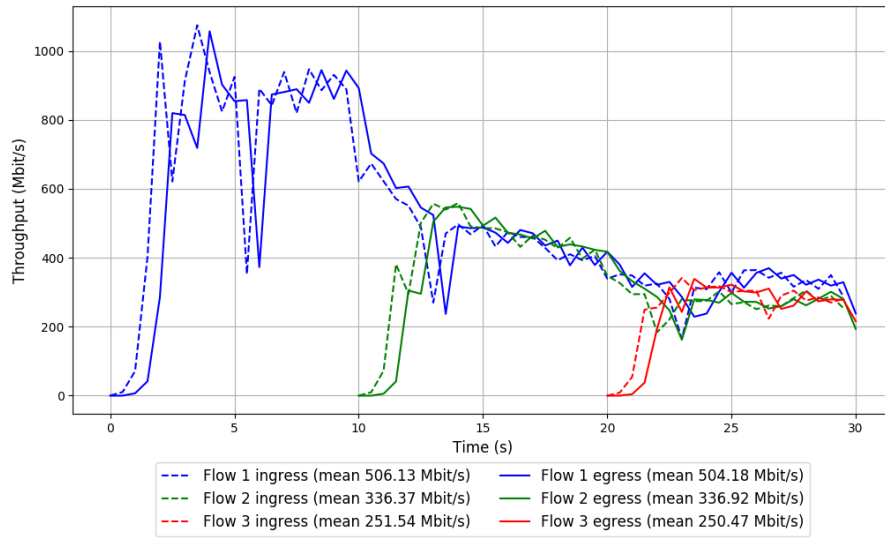
-- Flow 3:

Average throughput: 250.47 Mbit/s

95th percentile per-packet one-way delay: 112.699 ms

Loss rate: 2.60%

Run 5: Report of FillP-Sheep — Data Link

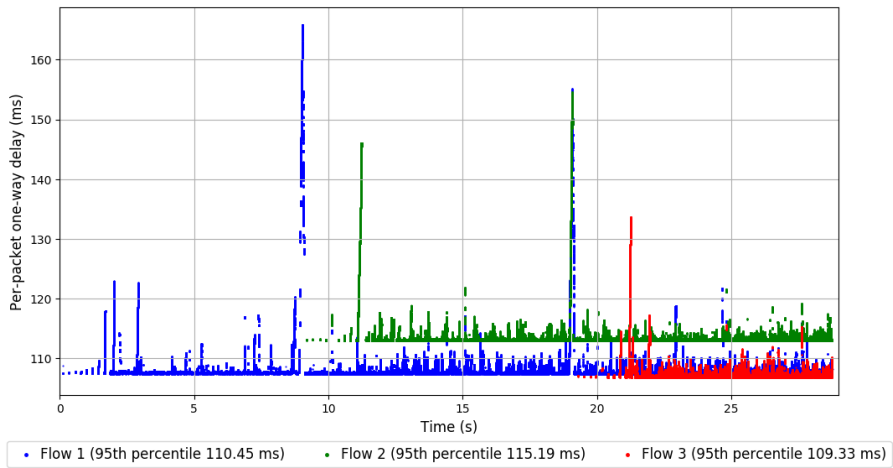
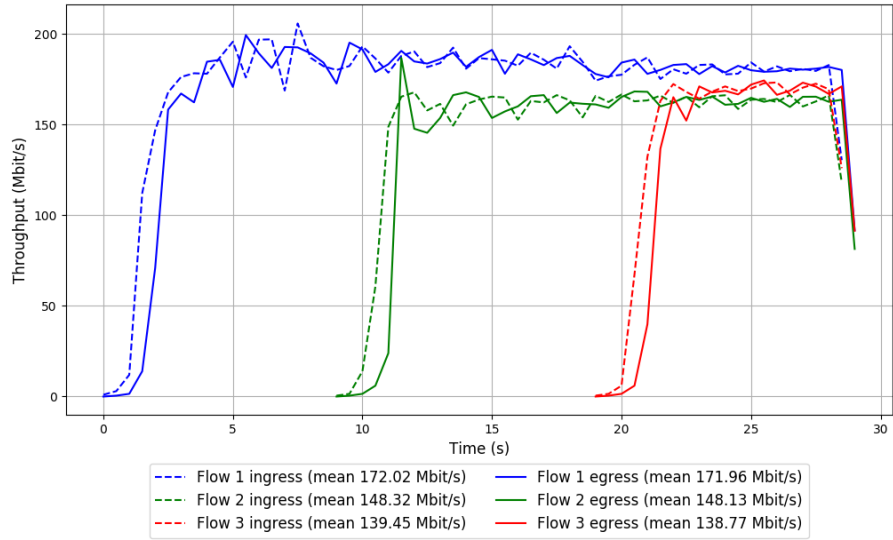


Run 1: Statistics of Indigo

Start at: 2019-09-18 04:12:53
End at: 2019-09-18 04:13:23
Local clock offset: 0.578 ms
Remote clock offset: -0.113 ms

```
# Below is generated by plot.py at 2019-09-18 08:30:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 318.99 Mbit/s
95th percentile per-packet one-way delay: 114.035 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 171.96 Mbit/s
95th percentile per-packet one-way delay: 110.455 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 148.13 Mbit/s
95th percentile per-packet one-way delay: 115.193 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 138.77 Mbit/s
95th percentile per-packet one-way delay: 109.326 ms
Loss rate: 2.71%
```

Run 1: Report of Indigo — Data Link

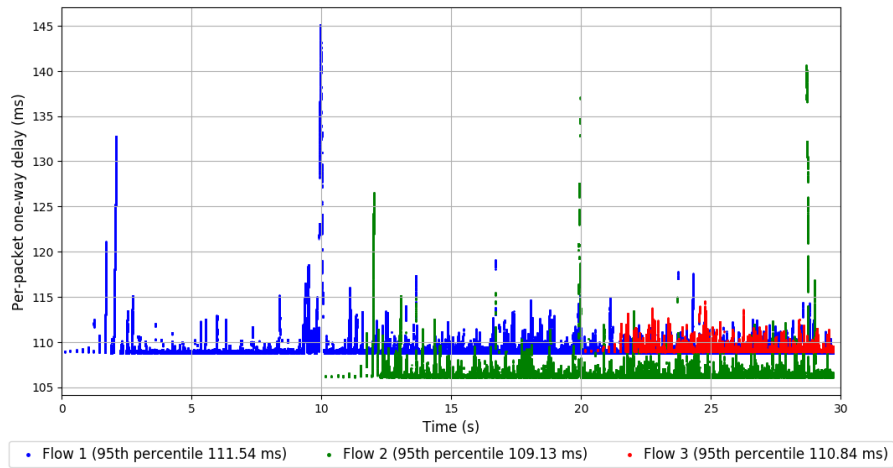
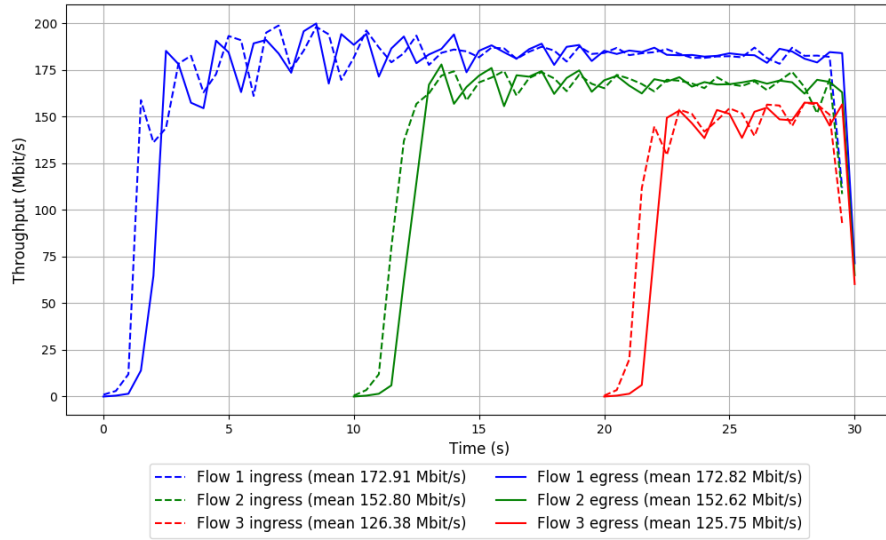


Run 2: Statistics of Indigo

Start at: 2019-09-18 04:55:59
End at: 2019-09-18 04:56:29
Local clock offset: 0.007 ms
Remote clock offset: -0.063 ms

```
# Below is generated by plot.py at 2019-09-18 08:30:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 314.19 Mbit/s
95th percentile per-packet one-way delay: 110.942 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 172.82 Mbit/s
95th percentile per-packet one-way delay: 111.543 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 152.62 Mbit/s
95th percentile per-packet one-way delay: 109.133 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 125.75 Mbit/s
95th percentile per-packet one-way delay: 110.841 ms
Loss rate: 2.72%
```

Run 2: Report of Indigo — Data Link

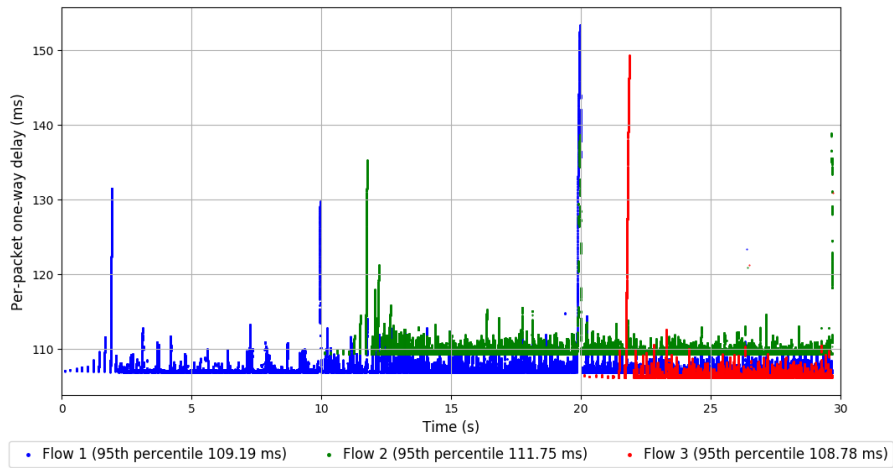
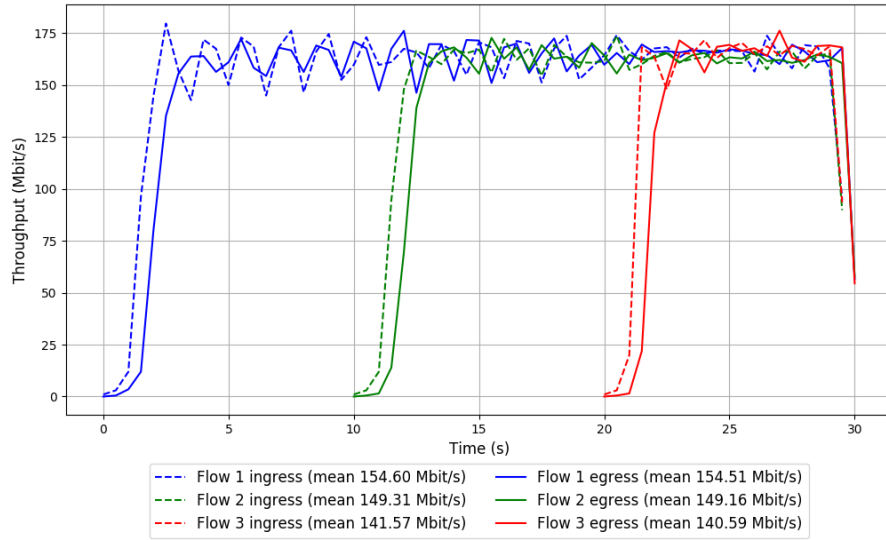


Run 3: Statistics of Indigo

Start at: 2019-09-18 05:39:16
End at: 2019-09-18 05:39:46
Local clock offset: -0.086 ms
Remote clock offset: -0.556 ms

```
# Below is generated by plot.py at 2019-09-18 08:30:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 298.56 Mbit/s
95th percentile per-packet one-way delay: 110.912 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 154.51 Mbit/s
95th percentile per-packet one-way delay: 109.190 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 149.16 Mbit/s
95th percentile per-packet one-way delay: 111.751 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 140.59 Mbit/s
95th percentile per-packet one-way delay: 108.781 ms
Loss rate: 2.63%
```

Run 3: Report of Indigo — Data Link

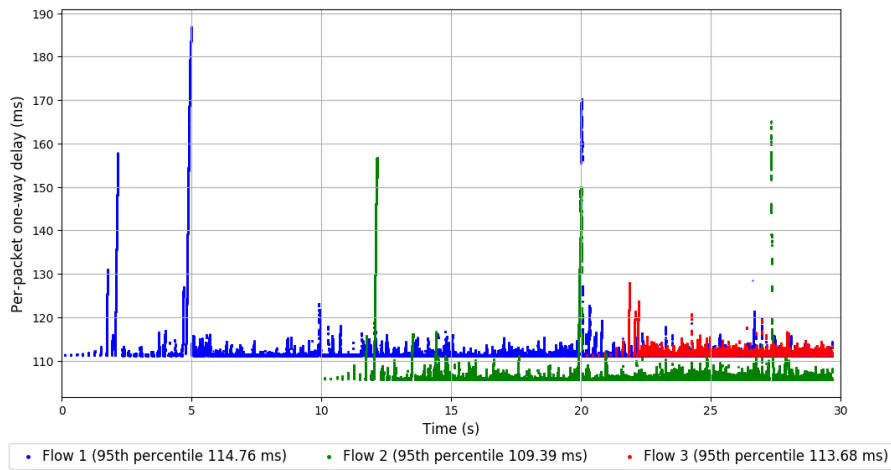
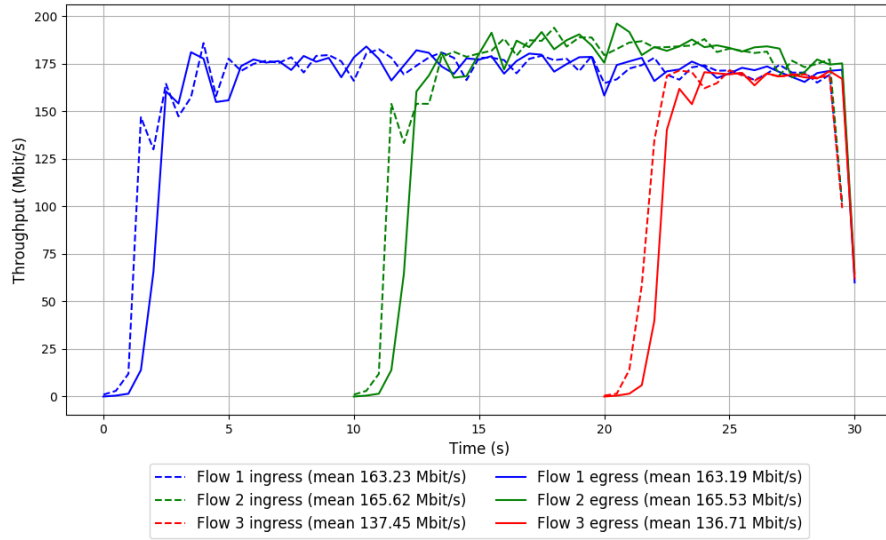


Run 4: Statistics of Indigo

Start at: 2019-09-18 06:22:37
End at: 2019-09-18 06:23:07
Local clock offset: -0.941 ms
Remote clock offset: -0.188 ms

```
# Below is generated by plot.py at 2019-09-18 08:30:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 316.48 Mbit/s
95th percentile per-packet one-way delay: 113.903 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 163.19 Mbit/s
95th percentile per-packet one-way delay: 114.756 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 165.53 Mbit/s
95th percentile per-packet one-way delay: 109.395 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 136.71 Mbit/s
95th percentile per-packet one-way delay: 113.678 ms
Loss rate: 2.82%
```

Run 4: Report of Indigo — Data Link

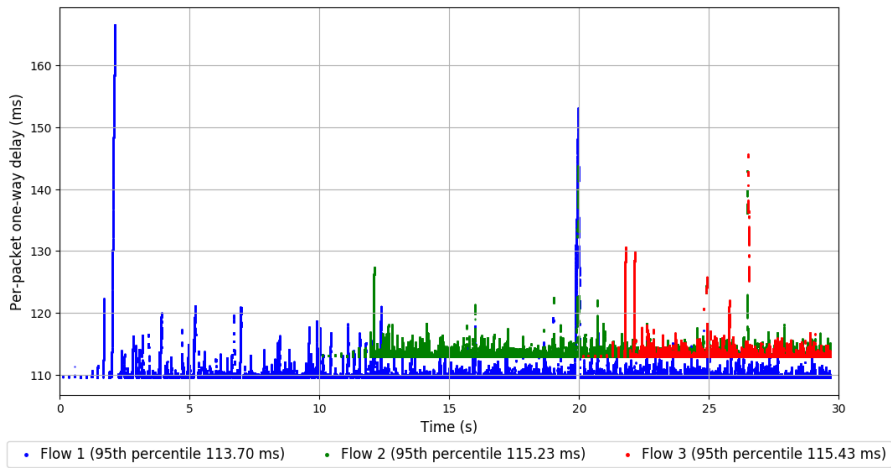
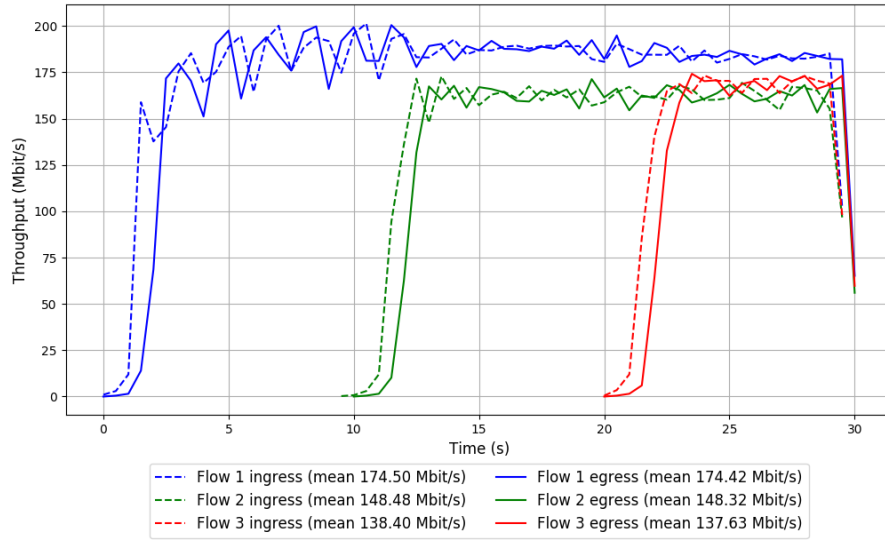


Run 5: Statistics of Indigo

Start at: 2019-09-18 07:05:58
End at: 2019-09-18 07:06:28
Local clock offset: 0.879 ms
Remote clock offset: -0.103 ms

```
# Below is generated by plot.py at 2019-09-18 08:32:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 316.99 Mbit/s
95th percentile per-packet one-way delay: 114.905 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 174.42 Mbit/s
95th percentile per-packet one-way delay: 113.702 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 148.32 Mbit/s
95th percentile per-packet one-way delay: 115.234 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 137.63 Mbit/s
95th percentile per-packet one-way delay: 115.431 ms
Loss rate: 2.81%
```

Run 5: Report of Indigo — Data Link

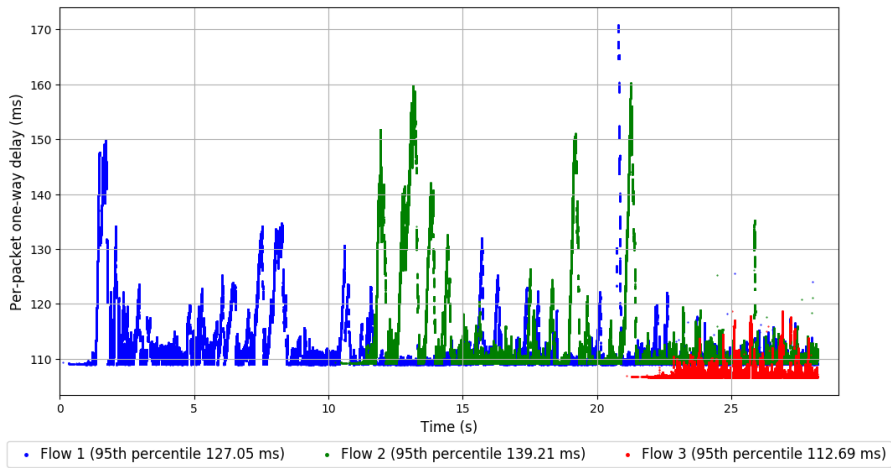
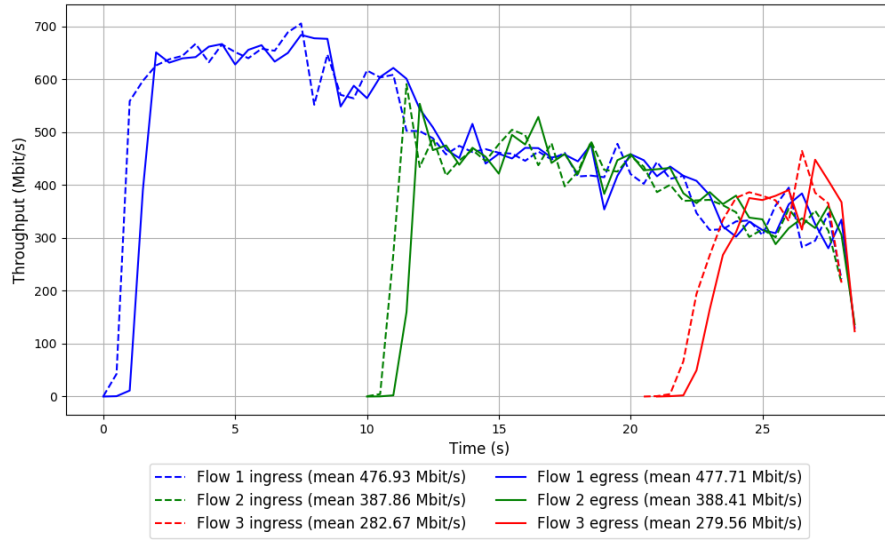


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-09-18 04:02:11
End at: 2019-09-18 04:02:41
Local clock offset: -0.045 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2019-09-18 08:35:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 796.68 Mbit/s
95th percentile per-packet one-way delay: 131.390 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 477.71 Mbit/s
95th percentile per-packet one-way delay: 127.054 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 388.41 Mbit/s
95th percentile per-packet one-way delay: 139.207 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 279.56 Mbit/s
95th percentile per-packet one-way delay: 112.695 ms
Loss rate: 4.02%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-09-18 04:45:19
End at: 2019-09-18 04:45:49
Local clock offset: -0.066 ms
Remote clock offset: -0.225 ms

Below is generated by plot.py at 2019-09-18 08:37:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 796.61 Mbit/s
95th percentile per-packet one-way delay: 168.877 ms
Loss rate: 0.94%

-- Flow 1:

Average throughput: 480.62 Mbit/s
95th percentile per-packet one-way delay: 186.739 ms
Loss rate: 0.64%

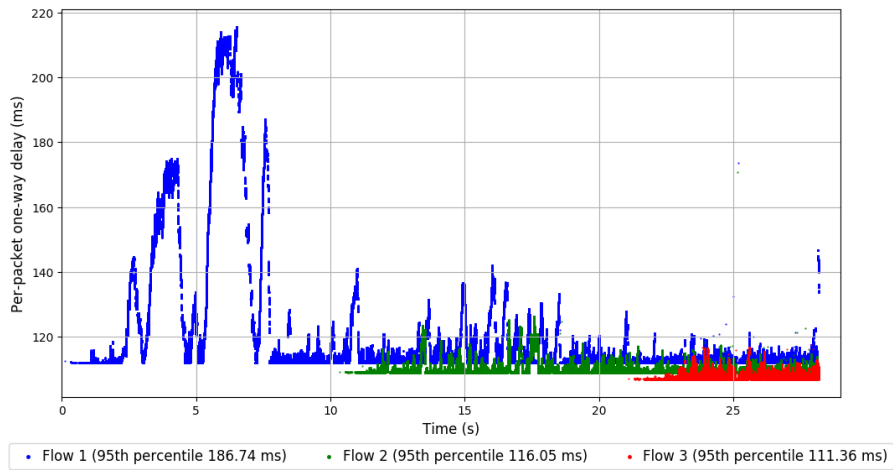
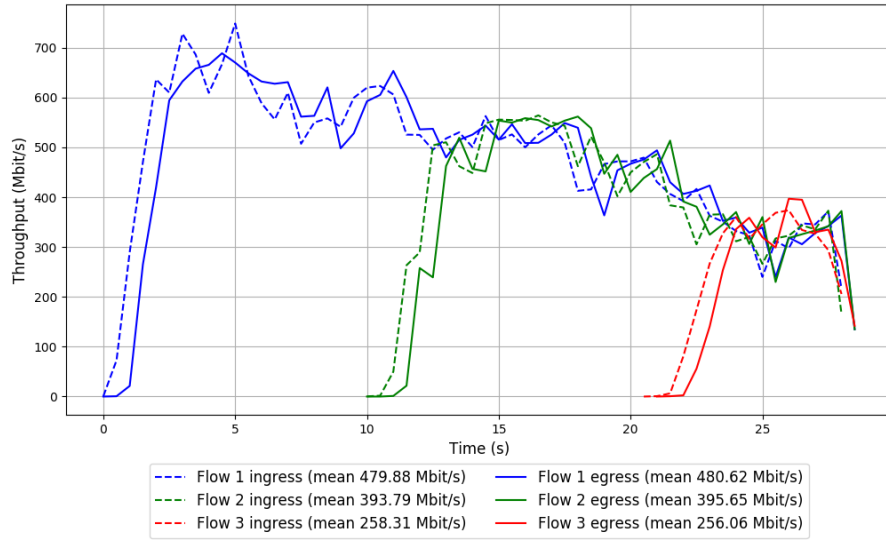
-- Flow 2:

Average throughput: 395.65 Mbit/s
95th percentile per-packet one-way delay: 116.052 ms
Loss rate: 0.76%

-- Flow 3:

Average throughput: 256.06 Mbit/s
95th percentile per-packet one-way delay: 111.361 ms
Loss rate: 3.81%

Run 2: Report of Indigo-MusesC3 — Data Link

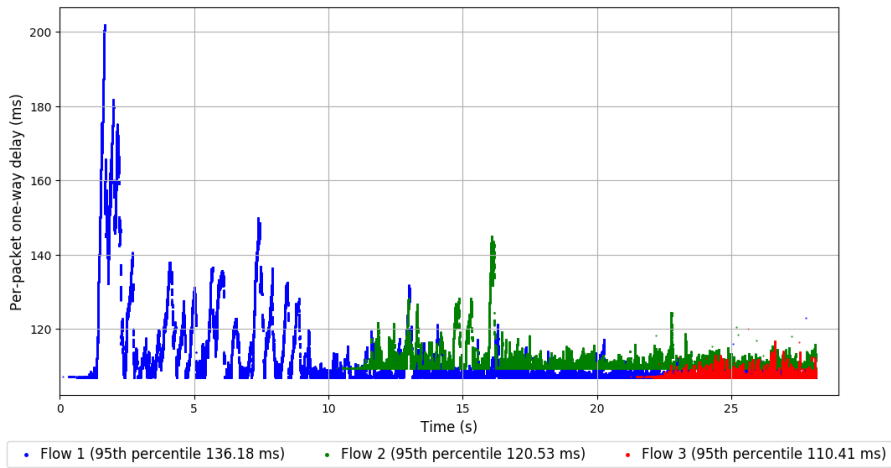
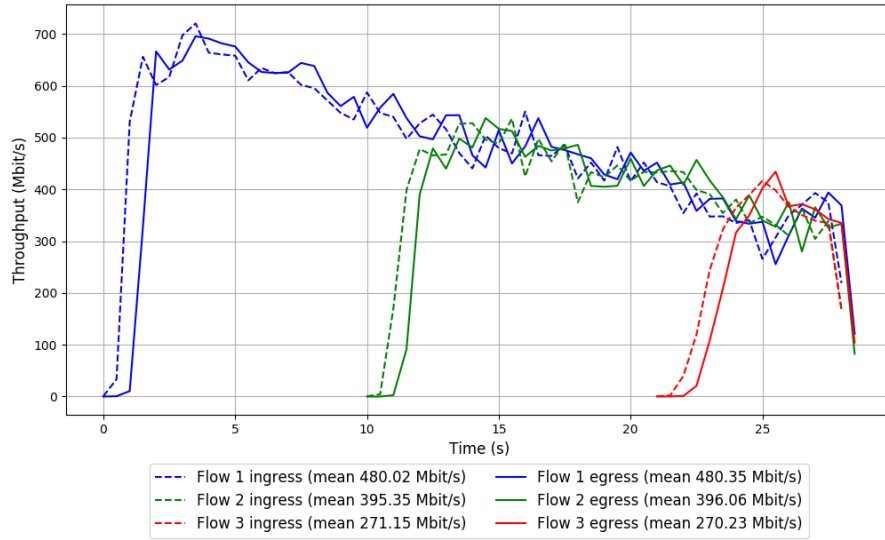


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-09-18 05:28:30
End at: 2019-09-18 05:29:00
Local clock offset: 0.042 ms
Remote clock offset: -0.191 ms

```
# Below is generated by plot.py at 2019-09-18 08:38:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 798.70 Mbit/s
95th percentile per-packet one-way delay: 131.737 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 480.35 Mbit/s
95th percentile per-packet one-way delay: 136.178 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 396.06 Mbit/s
95th percentile per-packet one-way delay: 120.534 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 270.23 Mbit/s
95th percentile per-packet one-way delay: 110.406 ms
Loss rate: 3.45%
```

Run 3: Report of Indigo-MusesC3 — Data Link

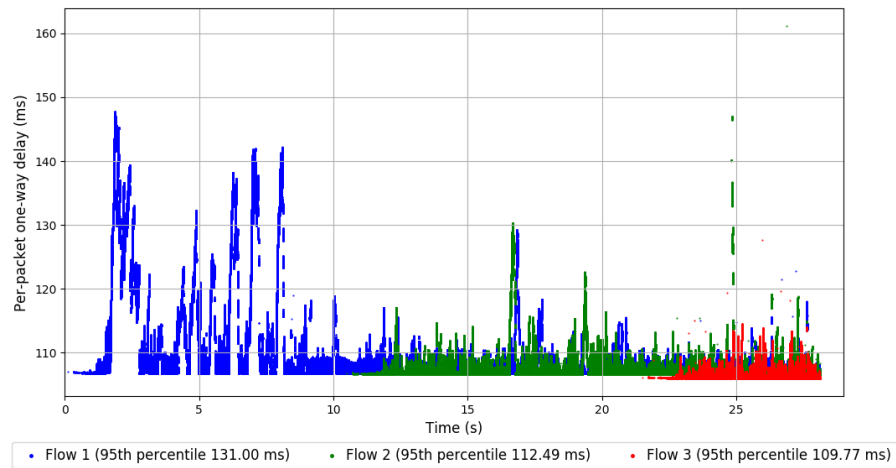
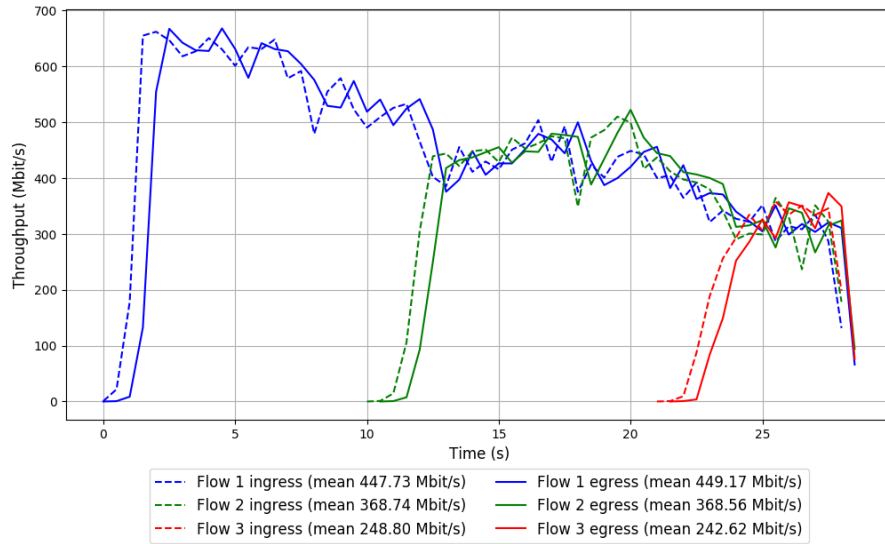


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-09-18 06:12:03
End at: 2019-09-18 06:12:33
Local clock offset: -0.085 ms
Remote clock offset: -0.171 ms

```
# Below is generated by plot.py at 2019-09-18 08:39:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 738.09 Mbit/s
95th percentile per-packet one-way delay: 124.934 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 449.17 Mbit/s
95th percentile per-packet one-way delay: 130.996 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 368.56 Mbit/s
95th percentile per-packet one-way delay: 112.487 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 242.62 Mbit/s
95th percentile per-packet one-way delay: 109.772 ms
Loss rate: 5.55%
```

Run 4: Report of Indigo-MusesC3 — Data Link

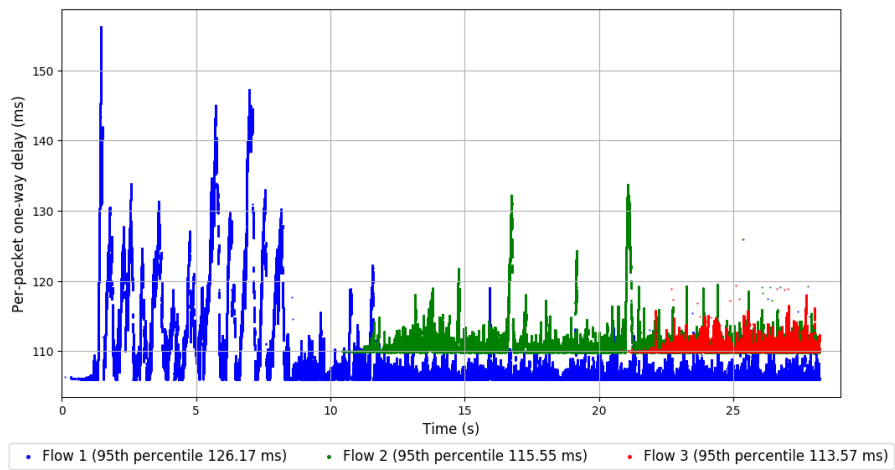
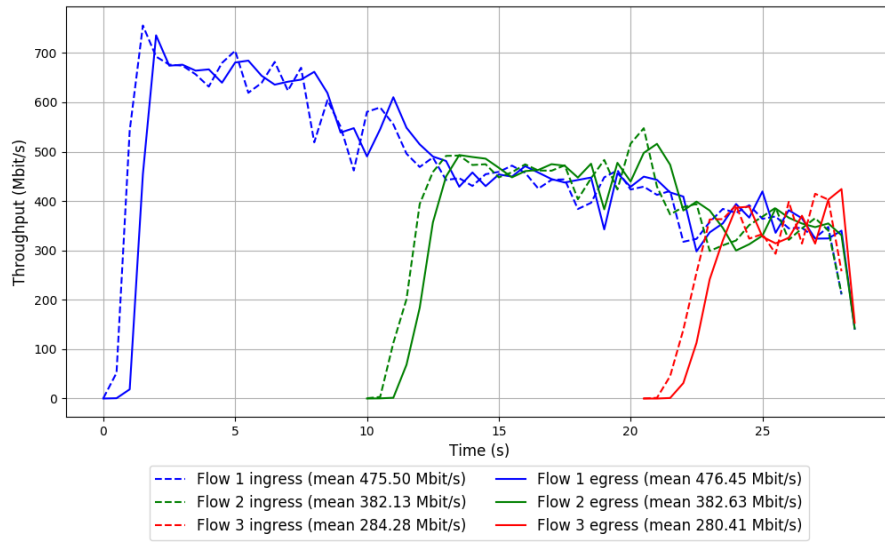


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-09-18 06:55:14
End at: 2019-09-18 06:55:44
Local clock offset: -0.094 ms
Remote clock offset: -0.201 ms

```
# Below is generated by plot.py at 2019-09-18 08:44:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 794.42 Mbit/s
95th percentile per-packet one-way delay: 123.589 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 476.45 Mbit/s
95th percentile per-packet one-way delay: 126.171 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 382.63 Mbit/s
95th percentile per-packet one-way delay: 115.547 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 280.41 Mbit/s
95th percentile per-packet one-way delay: 113.573 ms
Loss rate: 4.24%
```

Run 5: Report of Indigo-MusesC3 — Data Link

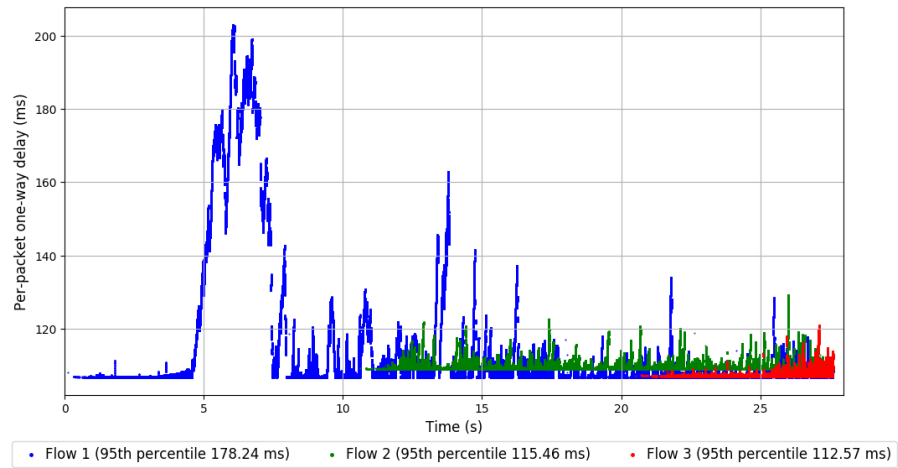
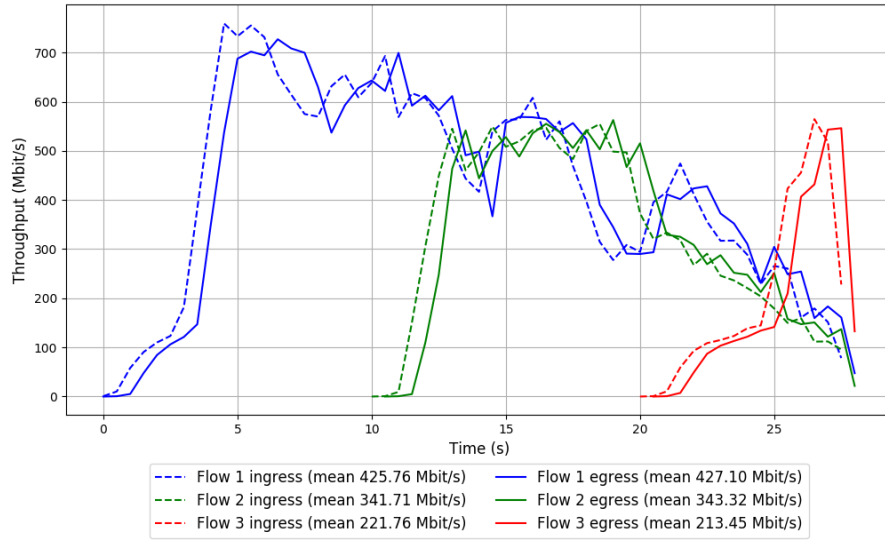


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-09-18 03:40:39
End at: 2019-09-18 03:41:09
Local clock offset: -0.045 ms
Remote clock offset: -0.234 ms

```
# Below is generated by plot.py at 2019-09-18 08:44:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 694.25 Mbit/s
95th percentile per-packet one-way delay: 170.625 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 427.10 Mbit/s
95th percentile per-packet one-way delay: 178.238 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 343.32 Mbit/s
95th percentile per-packet one-way delay: 115.457 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 213.45 Mbit/s
95th percentile per-packet one-way delay: 112.574 ms
Loss rate: 6.49%
```

Run 1: Report of Indigo-MusesC5 — Data Link

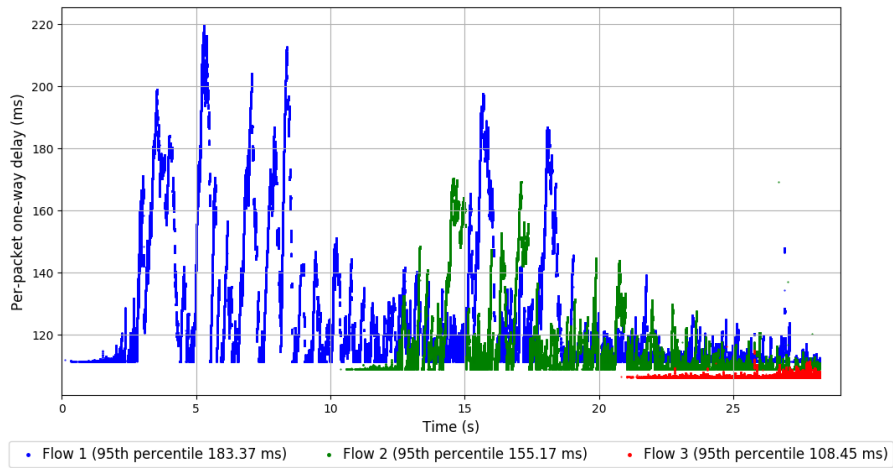
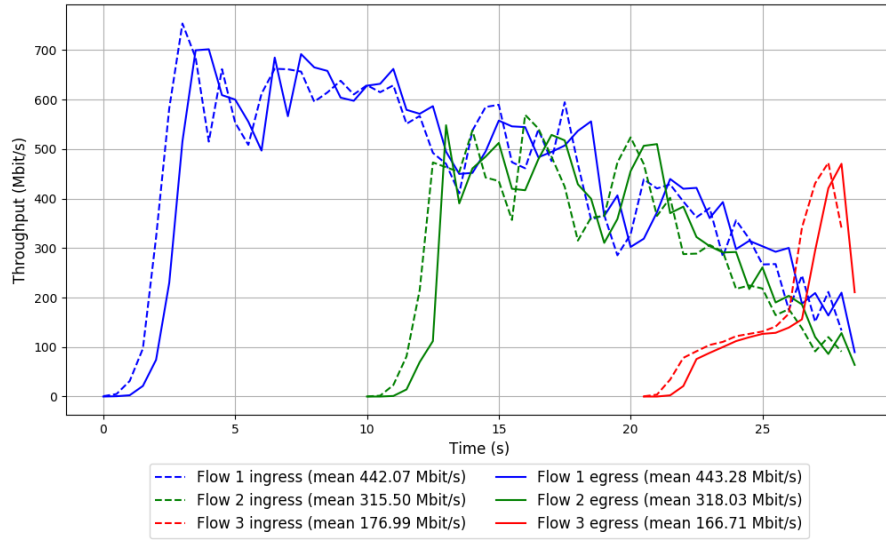


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-09-18 04:23:53
End at: 2019-09-18 04:24:23
Local clock offset: 0.06 ms
Remote clock offset: -0.179 ms

```
# Below is generated by plot.py at 2019-09-18 08:44:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 688.97 Mbit/s
95th percentile per-packet one-way delay: 177.103 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 443.28 Mbit/s
95th percentile per-packet one-way delay: 183.370 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 318.03 Mbit/s
95th percentile per-packet one-way delay: 155.166 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 166.71 Mbit/s
95th percentile per-packet one-way delay: 108.449 ms
Loss rate: 8.53%
```

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-09-18 05:07:04

End at: 2019-09-18 05:07:34

Local clock offset: -0.035 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2019-09-18 08:44:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 714.60 Mbit/s

95th percentile per-packet one-way delay: 160.164 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 430.30 Mbit/s

95th percentile per-packet one-way delay: 164.255 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 407.02 Mbit/s

95th percentile per-packet one-way delay: 149.434 ms

Loss rate: 1.25%

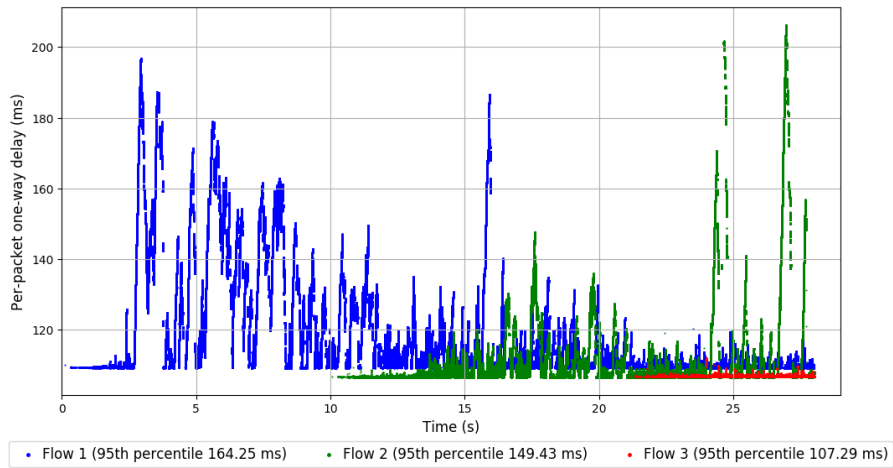
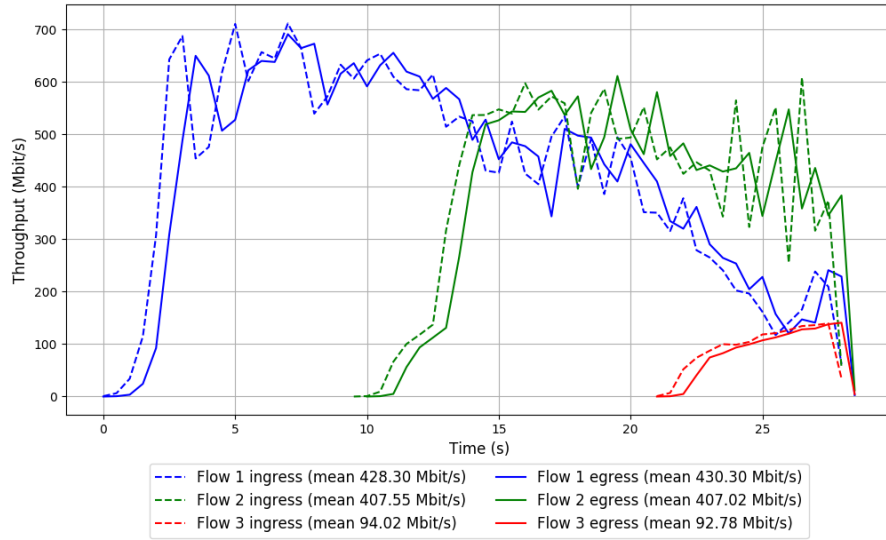
-- Flow 3:

Average throughput: 92.78 Mbit/s

95th percentile per-packet one-way delay: 107.288 ms

Loss rate: 4.34%

Run 3: Report of Indigo-MusesC5 — Data Link

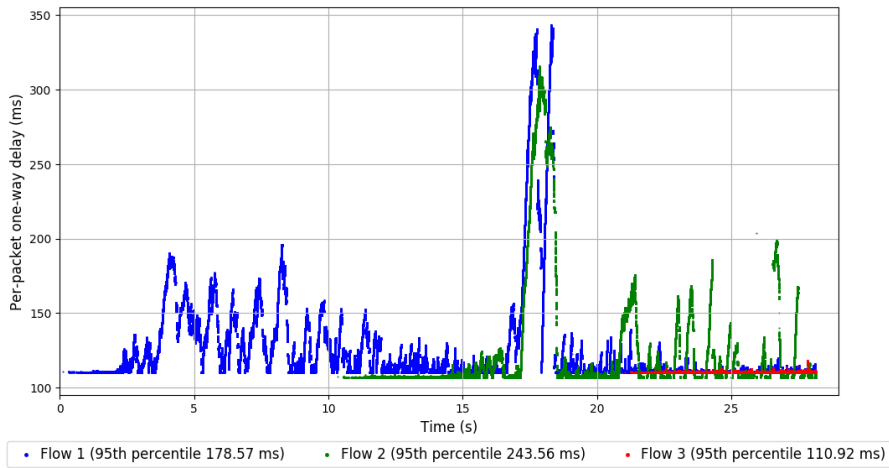
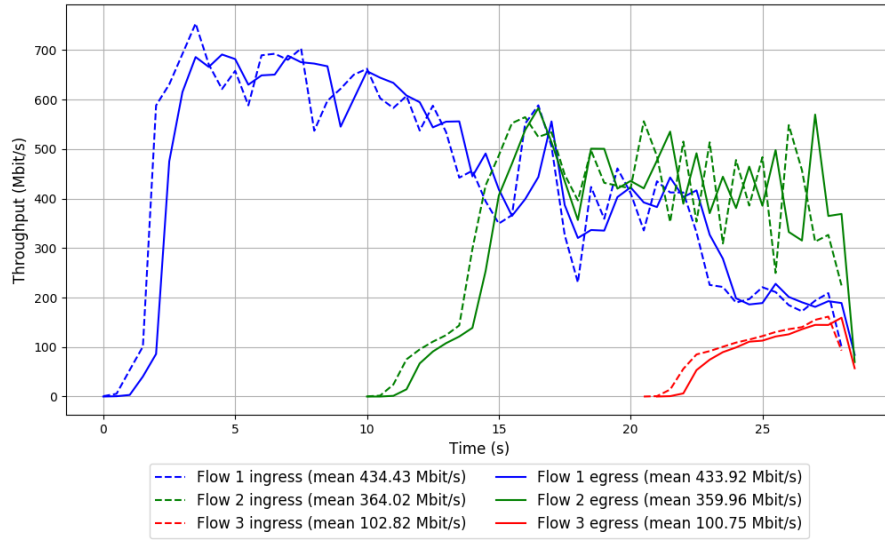


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-09-18 05:50:14
End at: 2019-09-18 05:50:44
Local clock offset: -0.027 ms
Remote clock offset: -0.542 ms

```
# Below is generated by plot.py at 2019-09-18 08:47:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 687.63 Mbit/s
95th percentile per-packet one-way delay: 184.644 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 433.92 Mbit/s
95th percentile per-packet one-way delay: 178.566 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 359.96 Mbit/s
95th percentile per-packet one-way delay: 243.558 ms
Loss rate: 2.30%
-- Flow 3:
Average throughput: 100.75 Mbit/s
95th percentile per-packet one-way delay: 110.922 ms
Loss rate: 4.91%
```

Run 4: Report of Indigo-MusesC5 — Data Link

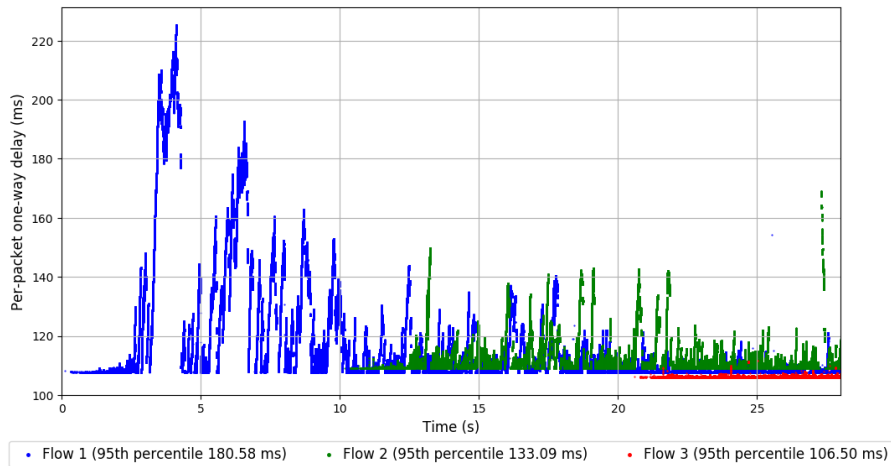
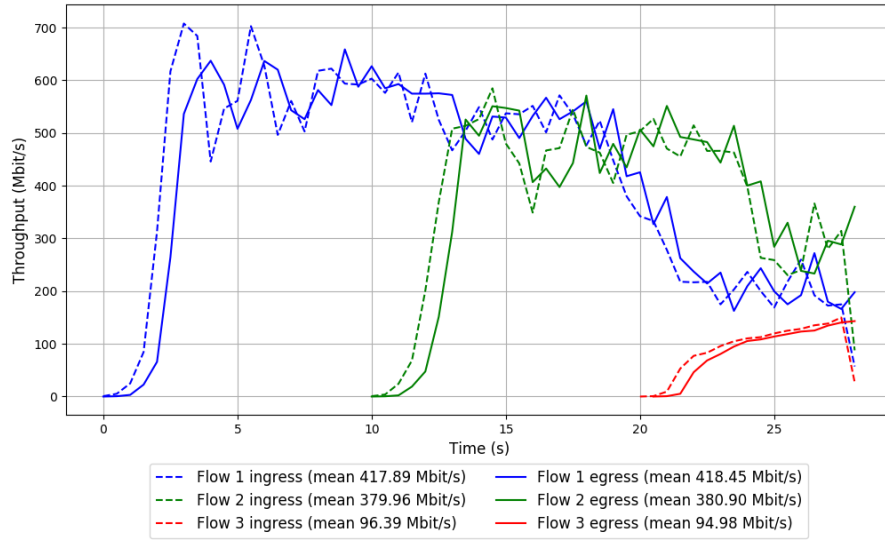


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-09-18 06:33:38
End at: 2019-09-18 06:34:08
Local clock offset: -0.675 ms
Remote clock offset: -0.223 ms

```
# Below is generated by plot.py at 2019-09-18 08:49:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 686.99 Mbit/s
95th percentile per-packet one-way delay: 159.073 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 418.45 Mbit/s
95th percentile per-packet one-way delay: 180.582 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 380.90 Mbit/s
95th percentile per-packet one-way delay: 133.095 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 106.501 ms
Loss rate: 4.24%
```

Run 5: Report of Indigo-MusesC5 — Data Link

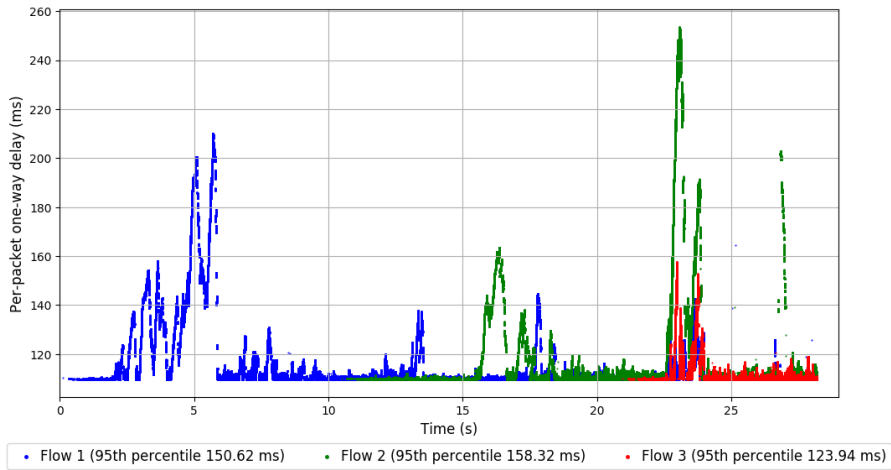
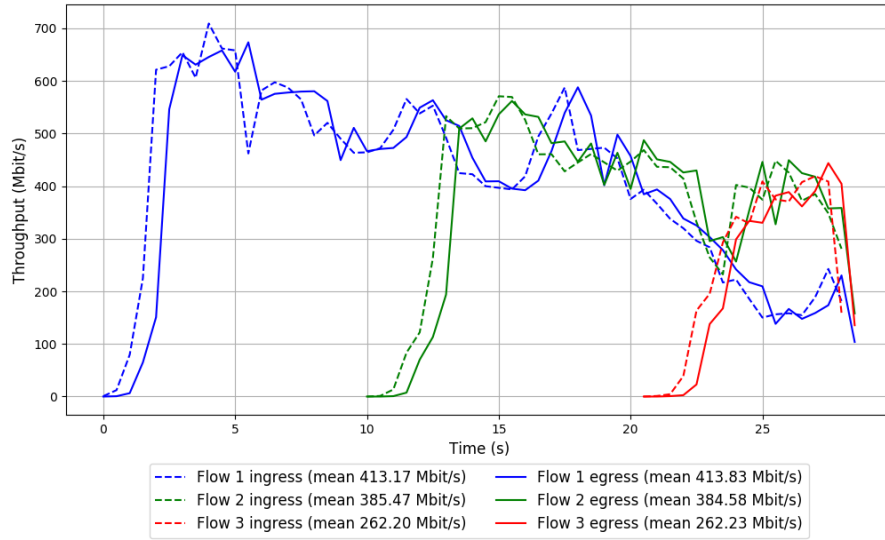


Run 1: Statistics of Indigo-MusesD

Start at: 2019-09-18 04:09:34
End at: 2019-09-18 04:10:04
Local clock offset: 0.627 ms
Remote clock offset: -0.115 ms

```
# Below is generated by plot.py at 2019-09-18 08:51:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 723.98 Mbit/s
95th percentile per-packet one-way delay: 151.493 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 413.83 Mbit/s
95th percentile per-packet one-way delay: 150.625 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 384.58 Mbit/s
95th percentile per-packet one-way delay: 158.320 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 262.23 Mbit/s
95th percentile per-packet one-way delay: 123.938 ms
Loss rate: 2.92%
```

Run 1: Report of Indigo-MusesD — Data Link

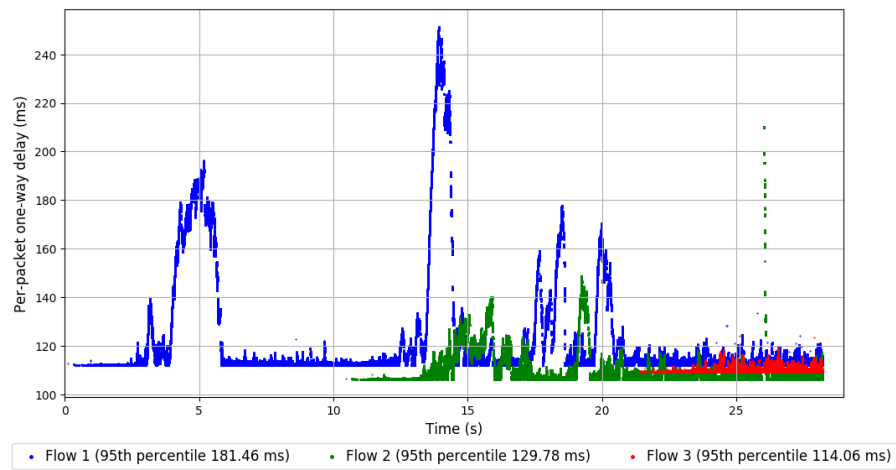
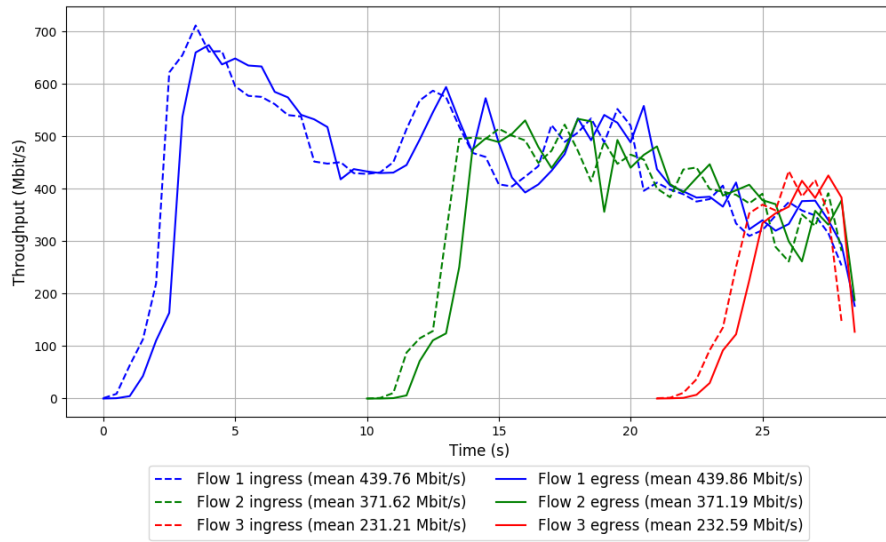


Run 2: Statistics of Indigo-MusesD

Start at: 2019-09-18 04:52:40
End at: 2019-09-18 04:53:10
Local clock offset: -0.444 ms
Remote clock offset: -0.306 ms

```
# Below is generated by plot.py at 2019-09-18 08:52:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 732.49 Mbit/s
95th percentile per-packet one-way delay: 172.182 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 439.86 Mbit/s
95th percentile per-packet one-way delay: 181.456 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 371.19 Mbit/s
95th percentile per-packet one-way delay: 129.778 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 232.59 Mbit/s
95th percentile per-packet one-way delay: 114.065 ms
Loss rate: 2.46%
```

Run 2: Report of Indigo-MusesD — Data Link

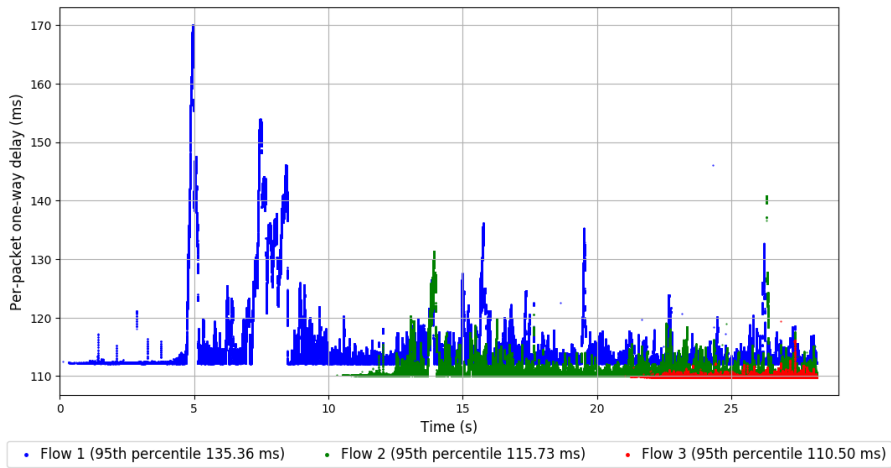
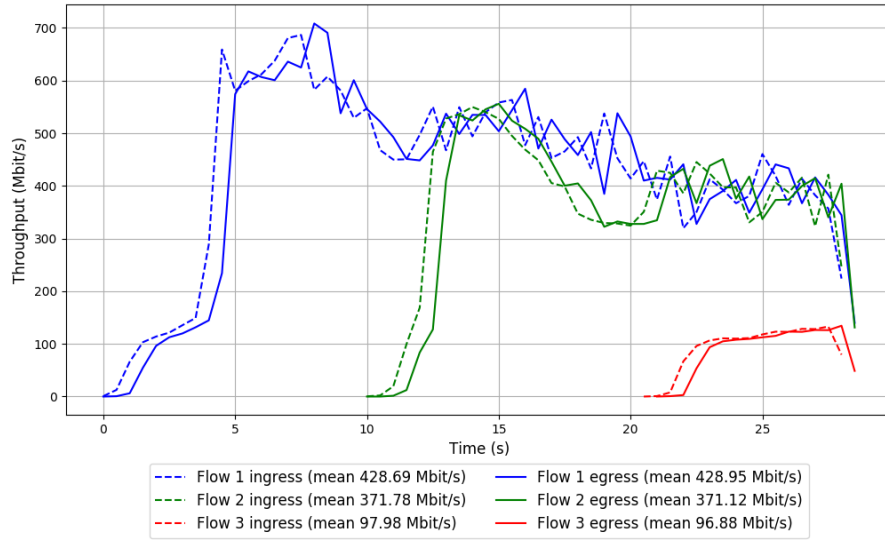


Run 3: Statistics of Indigo-MusesD

Start at: 2019-09-18 05:35:57
End at: 2019-09-18 05:36:27
Local clock offset: 0.028 ms
Remote clock offset: -0.185 ms

```
# Below is generated by plot.py at 2019-09-18 08:54:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 689.70 Mbit/s
95th percentile per-packet one-way delay: 129.247 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 428.95 Mbit/s
95th percentile per-packet one-way delay: 135.364 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 371.12 Mbit/s
95th percentile per-packet one-way delay: 115.726 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 110.500 ms
Loss rate: 4.16%
```

Run 3: Report of Indigo-MusesD — Data Link

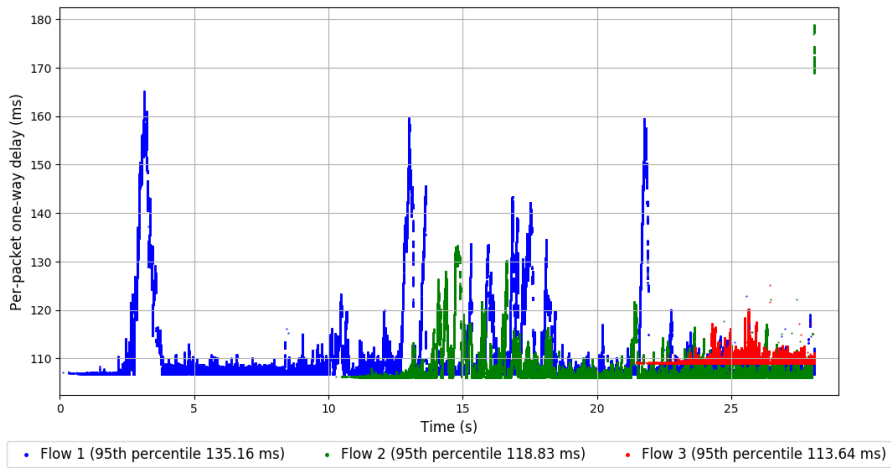
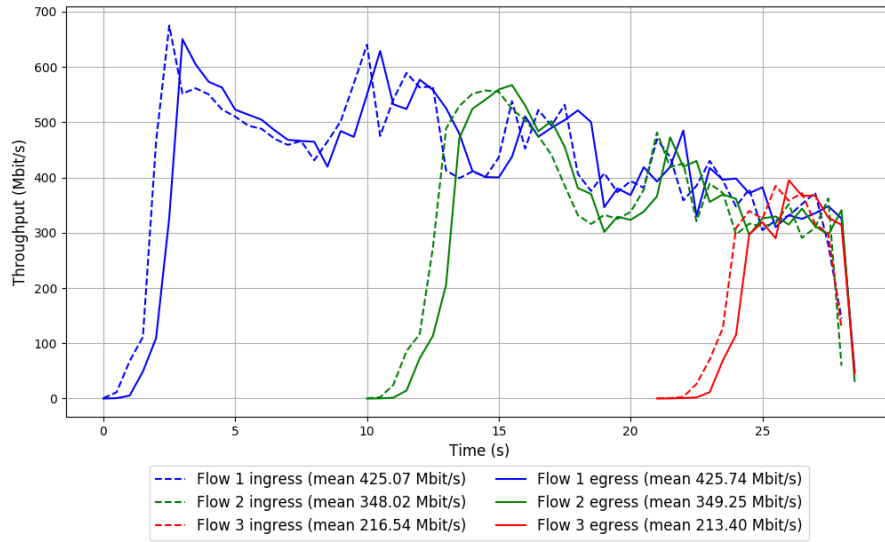


Run 4: Statistics of Indigo-MusesD

Start at: 2019-09-18 06:19:19
End at: 2019-09-18 06:19:49
Local clock offset: -0.022 ms
Remote clock offset: -0.282 ms

```
# Below is generated by plot.py at 2019-09-18 08:55:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 700.22 Mbit/s
95th percentile per-packet one-way delay: 129.997 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 425.74 Mbit/s
95th percentile per-packet one-way delay: 135.165 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 349.25 Mbit/s
95th percentile per-packet one-way delay: 118.835 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 213.40 Mbit/s
95th percentile per-packet one-way delay: 113.637 ms
Loss rate: 4.51%
```

Run 4: Report of Indigo-MusesD — Data Link

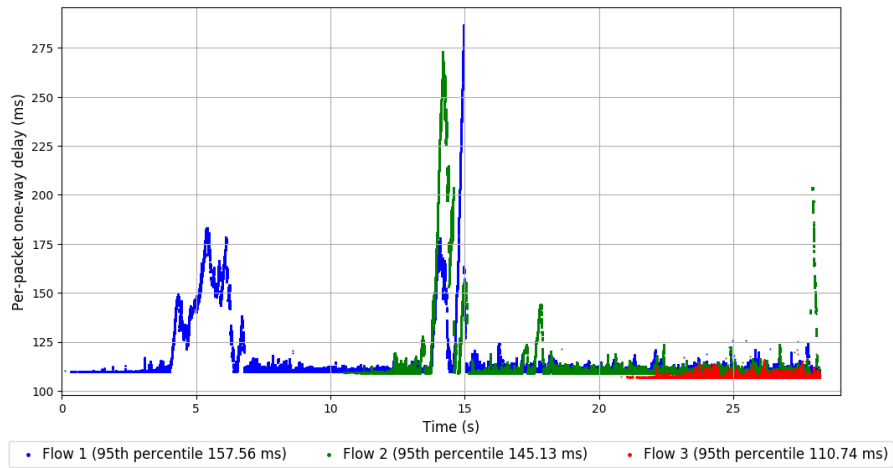
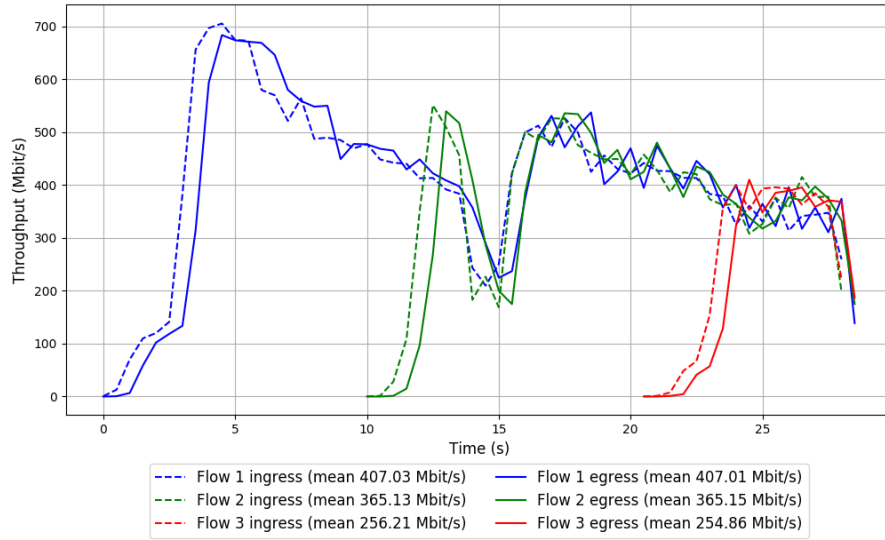


Run 5: Statistics of Indigo-MusesD

Start at: 2019-09-18 07:02:40
End at: 2019-09-18 07:03:10
Local clock offset: 0.041 ms
Remote clock offset: -0.194 ms

```
# Below is generated by plot.py at 2019-09-18 08:56:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 706.75 Mbit/s
95th percentile per-packet one-way delay: 153.056 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 407.01 Mbit/s
95th percentile per-packet one-way delay: 157.562 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 365.15 Mbit/s
95th percentile per-packet one-way delay: 145.131 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 254.86 Mbit/s
95th percentile per-packet one-way delay: 110.737 ms
Loss rate: 3.33%
```

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MuseST

Start at: 2019-09-18 03:53:11
End at: 2019-09-18 03:53:41
Local clock offset: -0.282 ms
Remote clock offset: -0.503 ms

Below is generated by plot.py at 2019-09-18 08:58:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 816.43 Mbit/s
95th percentile per-packet one-way delay: 174.410 ms
Loss rate: 0.93%

-- Flow 1:

Average throughput: 513.24 Mbit/s
95th percentile per-packet one-way delay: 178.136 ms
Loss rate: 0.58%

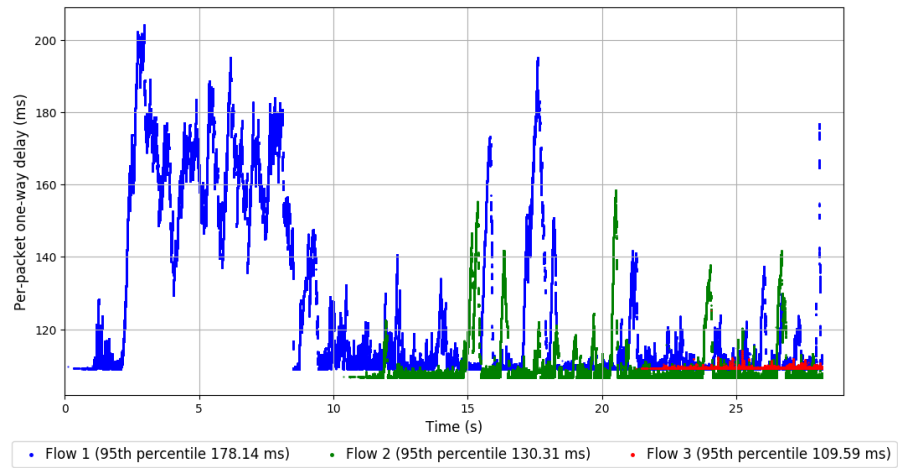
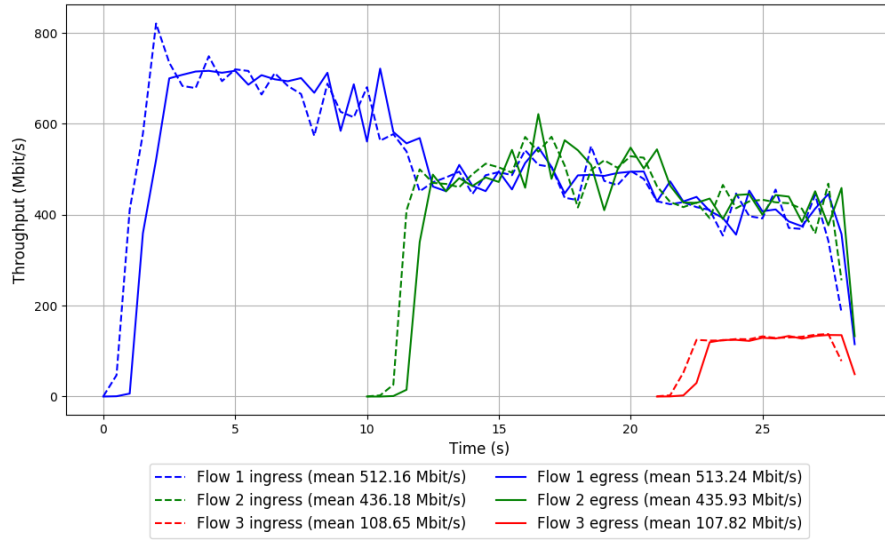
-- Flow 2:

Average throughput: 435.93 Mbit/s
95th percentile per-packet one-way delay: 130.314 ms
Loss rate: 1.28%

-- Flow 3:

Average throughput: 107.82 Mbit/s
95th percentile per-packet one-way delay: 109.593 ms
Loss rate: 3.84%

Run 1: Report of Indigo-MusesT — Data Link

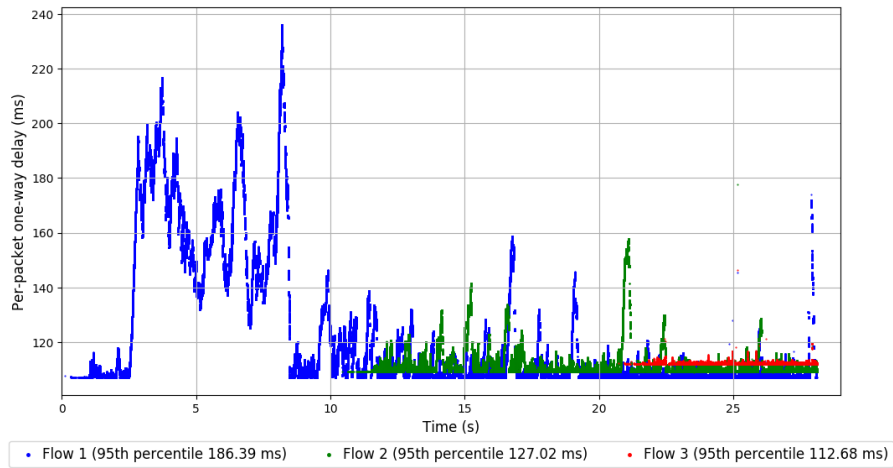
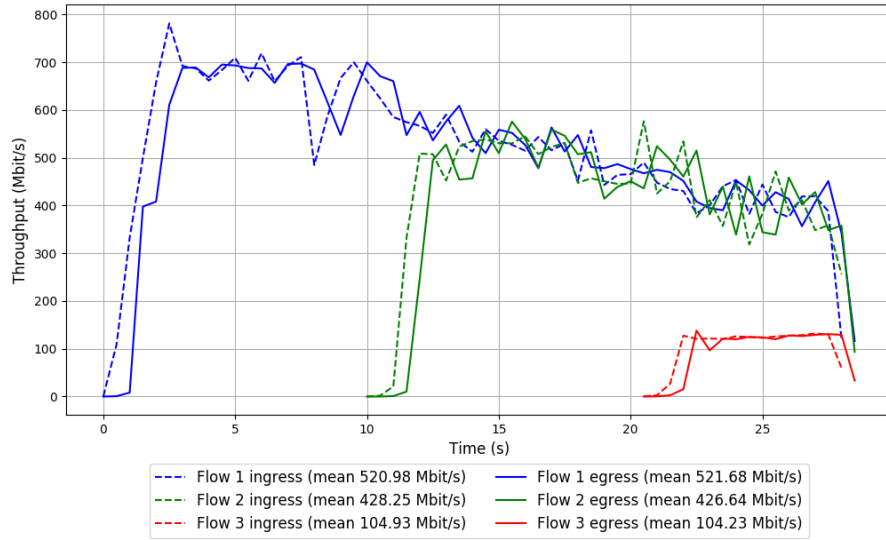


Run 2: Statistics of Indigo-MuseST

Start at: 2019-09-18 04:36:16
End at: 2019-09-18 04:36:46
Local clock offset: 0.037 ms
Remote clock offset: -0.209 ms

```
# Below is generated by plot.py at 2019-09-18 09:02:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 818.54 Mbit/s
95th percentile per-packet one-way delay: 176.984 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 521.68 Mbit/s
95th percentile per-packet one-way delay: 186.389 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 426.64 Mbit/s
95th percentile per-packet one-way delay: 127.015 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 104.23 Mbit/s
95th percentile per-packet one-way delay: 112.676 ms
Loss rate: 3.58%
```

Run 2: Report of Indigo-MusesT — Data Link

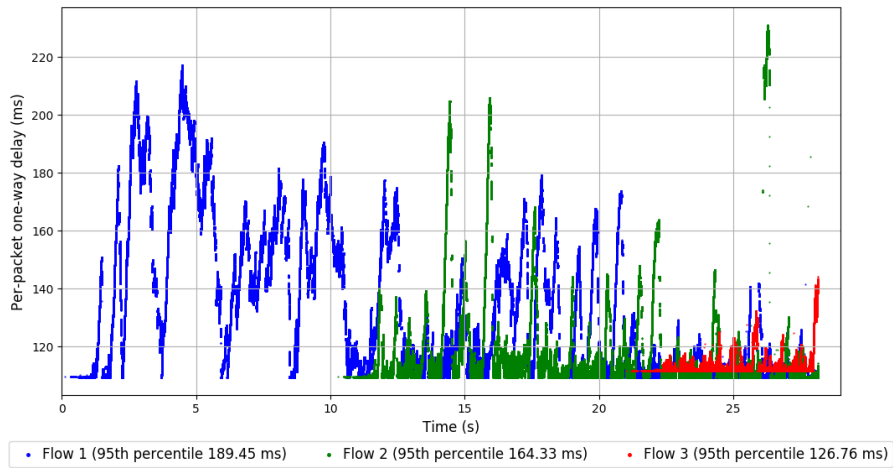
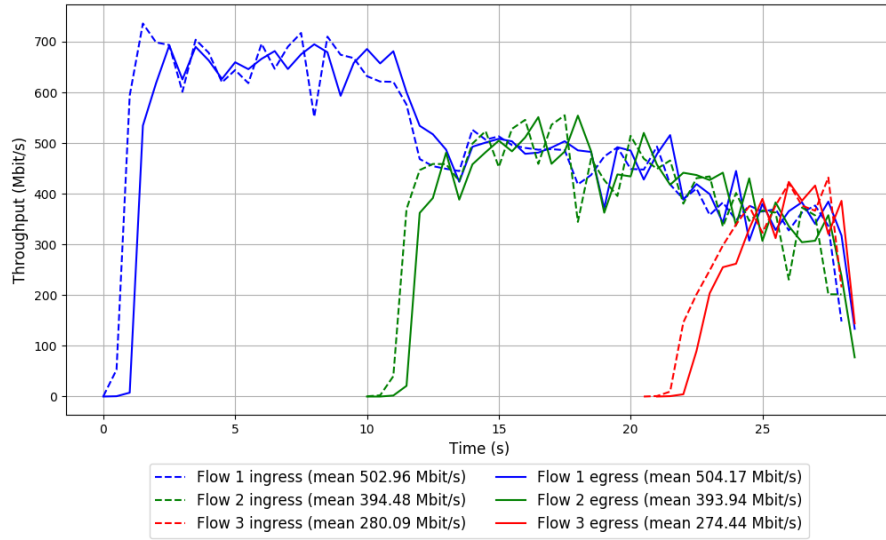


Run 3: Statistics of Indigo-MuseST

Start at: 2019-09-18 05:19:47
End at: 2019-09-18 05:20:17
Local clock offset: 0.141 ms
Remote clock offset: -0.194 ms

```
# Below is generated by plot.py at 2019-09-18 09:04:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 825.00 Mbit/s
95th percentile per-packet one-way delay: 186.253 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 504.17 Mbit/s
95th percentile per-packet one-way delay: 189.451 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 393.94 Mbit/s
95th percentile per-packet one-way delay: 164.330 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 274.44 Mbit/s
95th percentile per-packet one-way delay: 126.756 ms
Loss rate: 4.95%
```

Run 3: Report of Indigo-MusesT — Data Link

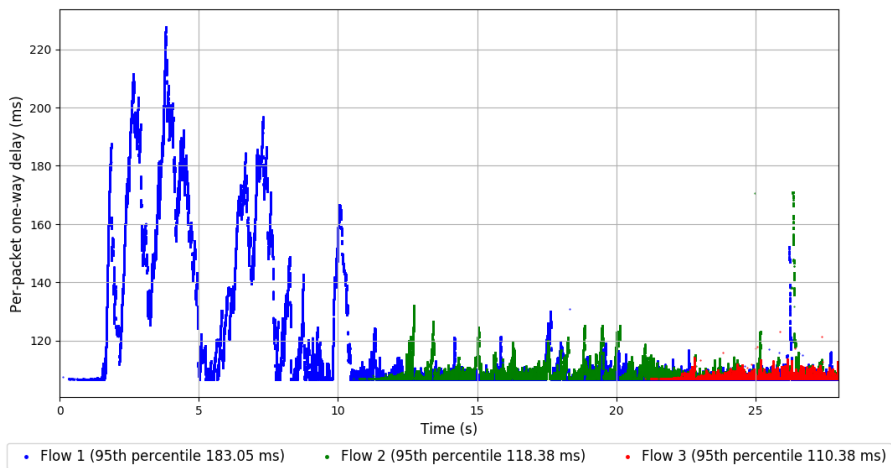
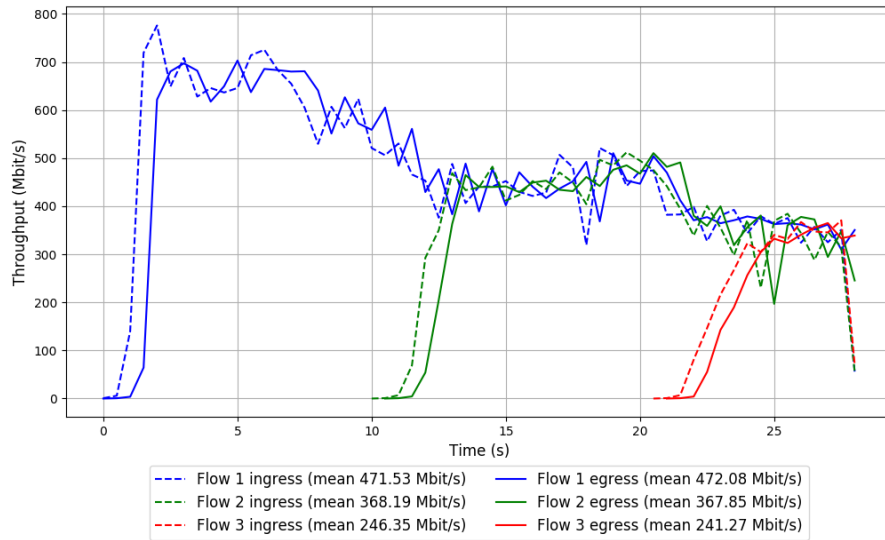


Run 4: Statistics of Indigo-MuseST

Start at: 2019-09-18 06:03:09
End at: 2019-09-18 06:03:39
Local clock offset: -0.048 ms
Remote clock offset: -0.194 ms

```
# Below is generated by plot.py at 2019-09-18 09:04:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 762.05 Mbit/s
95th percentile per-packet one-way delay: 175.949 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 472.08 Mbit/s
95th percentile per-packet one-way delay: 183.046 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 367.85 Mbit/s
95th percentile per-packet one-way delay: 118.378 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 241.27 Mbit/s
95th percentile per-packet one-way delay: 110.378 ms
Loss rate: 5.03%
```

Run 4: Report of Indigo-MusesT — Data Link

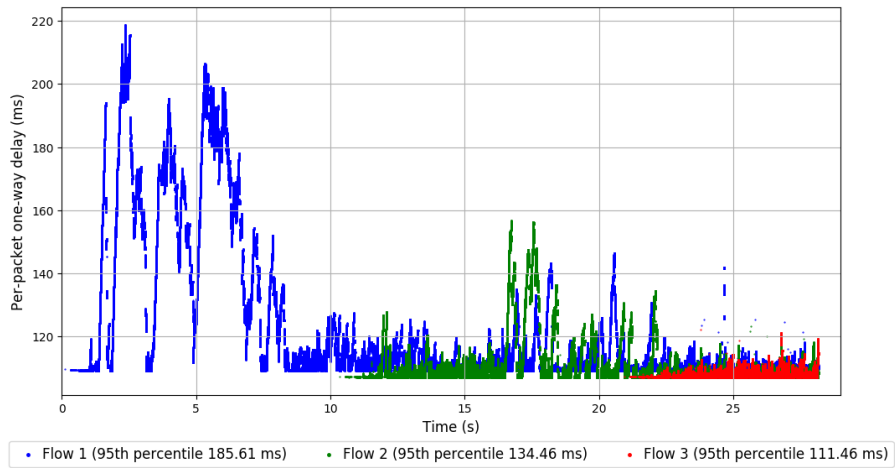
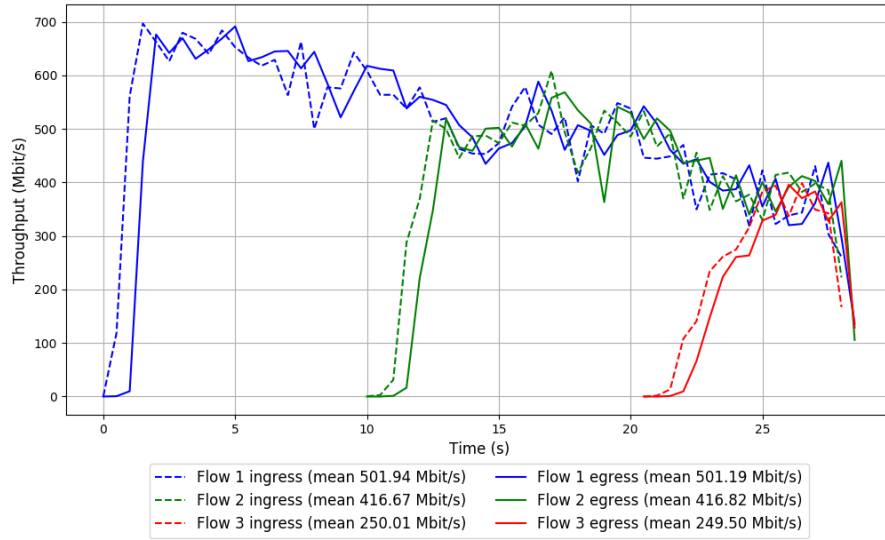


Run 5: Statistics of Indigo-MuseST

Start at: 2019-09-18 06:46:14
End at: 2019-09-18 06:46:44
Local clock offset: -0.054 ms
Remote clock offset: -0.425 ms

```
# Below is generated by plot.py at 2019-09-18 09:06:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 830.34 Mbit/s
95th percentile per-packet one-way delay: 175.803 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 501.19 Mbit/s
95th percentile per-packet one-way delay: 185.612 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 416.82 Mbit/s
95th percentile per-packet one-way delay: 134.456 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 249.50 Mbit/s
95th percentile per-packet one-way delay: 111.459 ms
Loss rate: 3.03%
```

Run 5: Report of Indigo-MusesT — Data Link

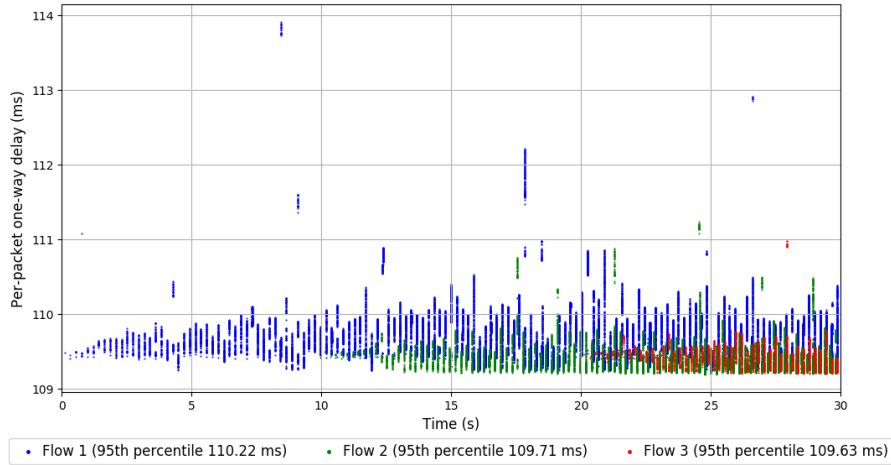
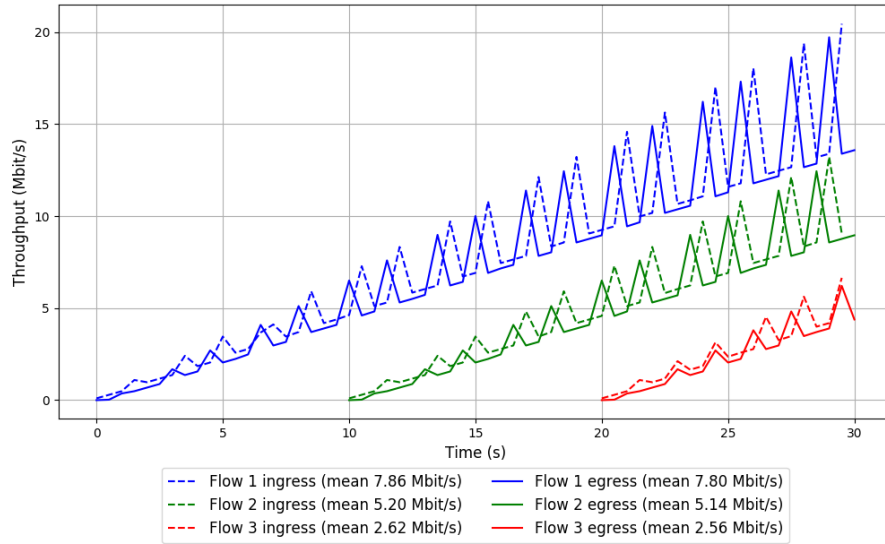


Run 1: Statistics of LEDBAT

Start at: 2019-09-18 04:06:08
End at: 2019-09-18 04:06:38
Local clock offset: 0.033 ms
Remote clock offset: -0.254 ms

```
# Below is generated by plot.py at 2019-09-18 09:06:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 110.147 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 110.220 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 5.14 Mbit/s
95th percentile per-packet one-way delay: 109.712 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 109.629 ms
Loss rate: 4.33%
```

Run 1: Report of LEDBAT — Data Link

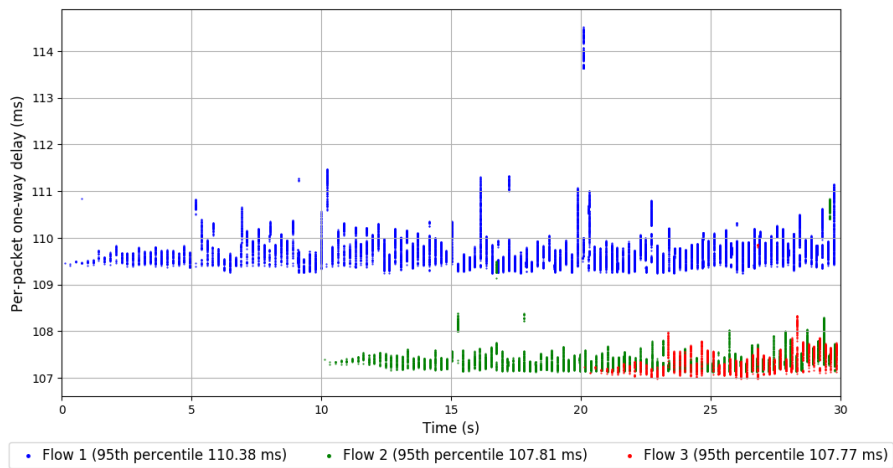
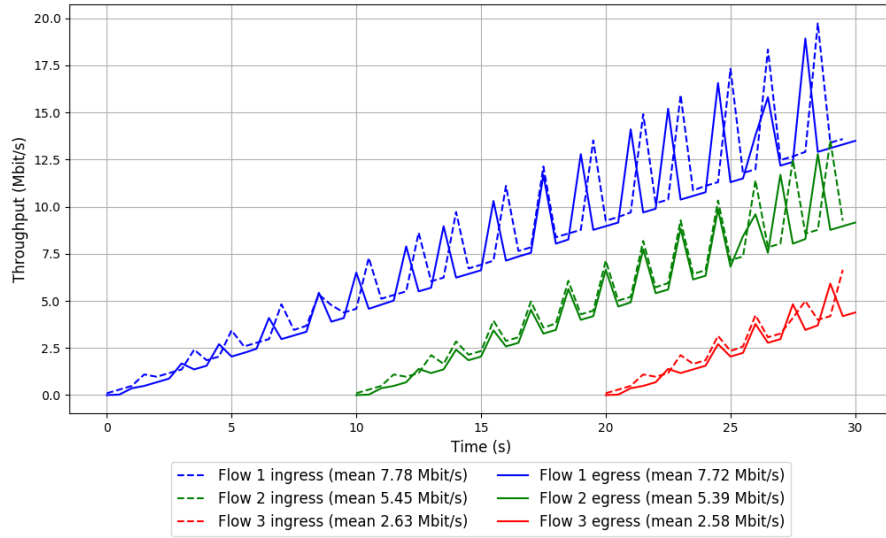


Run 2: Statistics of LEDBAT

Start at: 2019-09-18 04:49:16
End at: 2019-09-18 04:49:46
Local clock offset: 0.039 ms
Remote clock offset: -0.447 ms

```
# Below is generated by plot.py at 2019-09-18 09:06:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 110.255 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 110.383 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 5.39 Mbit/s
95th percentile per-packet one-way delay: 107.813 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 107.772 ms
Loss rate: 4.33%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-09-18 05:32:32

End at: 2019-09-18 05:33:02

Local clock offset: -0.196 ms

Remote clock offset: 0.223 ms

Below is generated by plot.py at 2019-09-18 09:06:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 109.759 ms

Loss rate: 1.88%

-- Flow 1:

Average throughput: 7.74 Mbit/s

95th percentile per-packet one-way delay: 109.483 ms

Loss rate: 1.47%

-- Flow 2:

Average throughput: 5.19 Mbit/s

95th percentile per-packet one-way delay: 109.903 ms

Loss rate: 2.20%

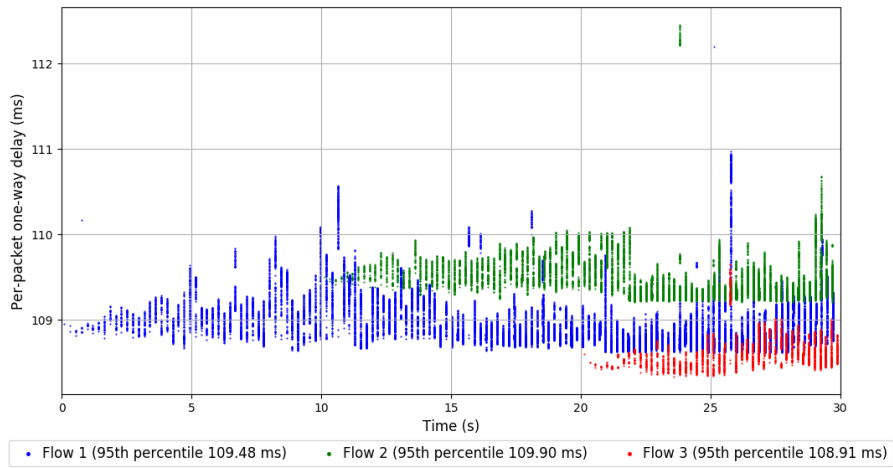
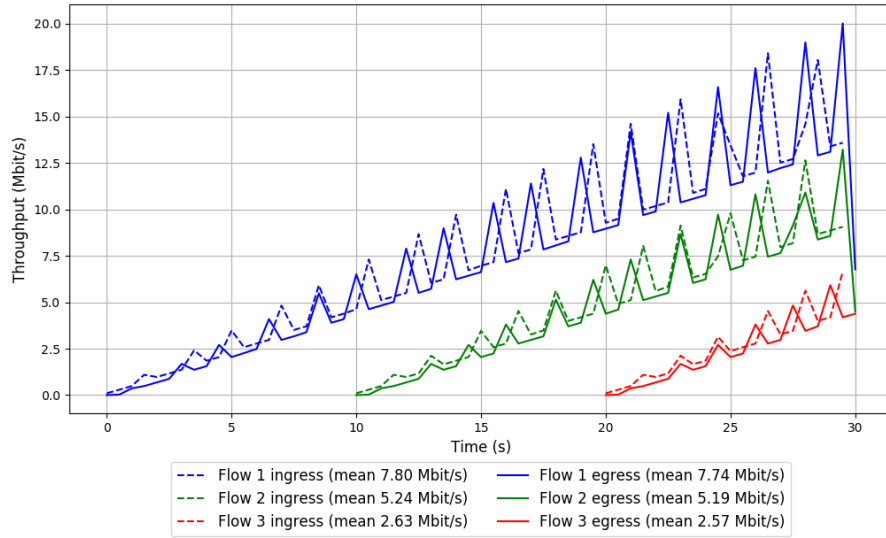
-- Flow 3:

Average throughput: 2.57 Mbit/s

95th percentile per-packet one-way delay: 108.912 ms

Loss rate: 4.33%

Run 3: Report of LEDBAT — Data Link

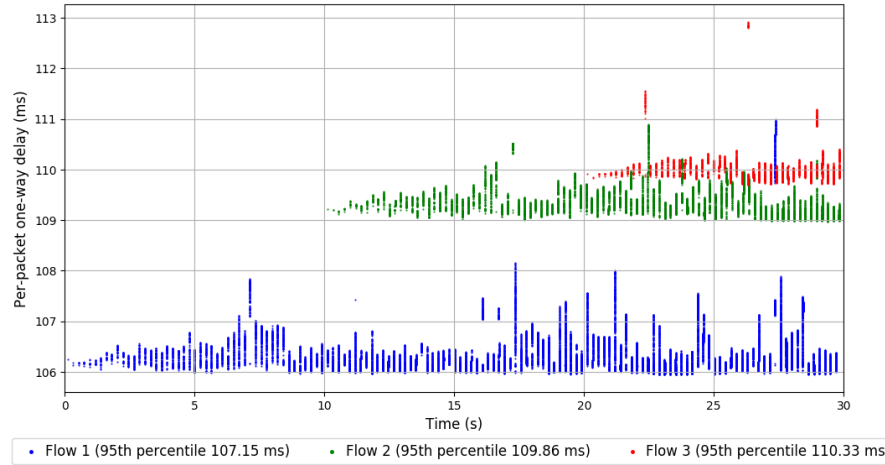
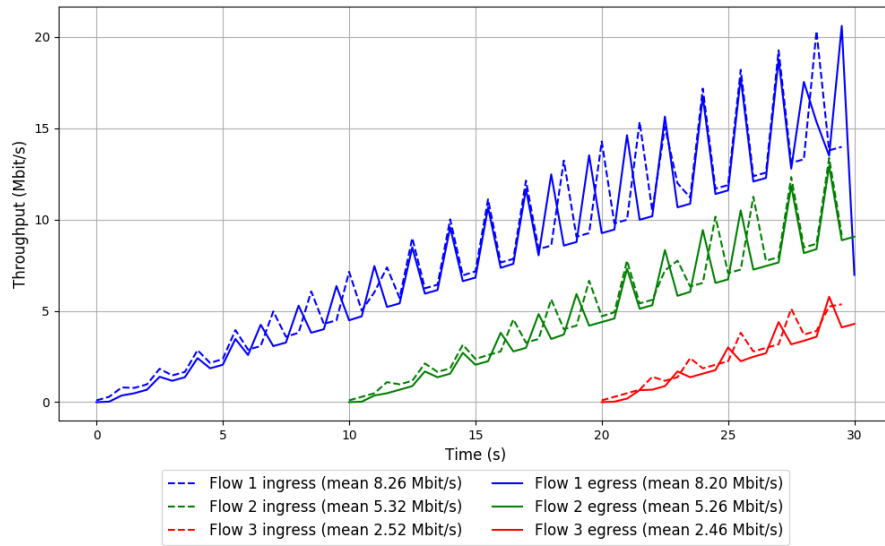


Run 4: Statistics of LEDBAT

Start at: 2019-09-18 06:16:00
End at: 2019-09-18 06:16:30
Local clock offset: -0.046 ms
Remote clock offset: -0.177 ms

```
# Below is generated by plot.py at 2019-09-18 09:06:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.45 Mbit/s
95th percentile per-packet one-way delay: 109.921 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 8.20 Mbit/s
95th percentile per-packet one-way delay: 107.146 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 5.26 Mbit/s
95th percentile per-packet one-way delay: 109.858 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 110.330 ms
Loss rate: 4.43%
```

Run 4: Report of LEDBAT — Data Link

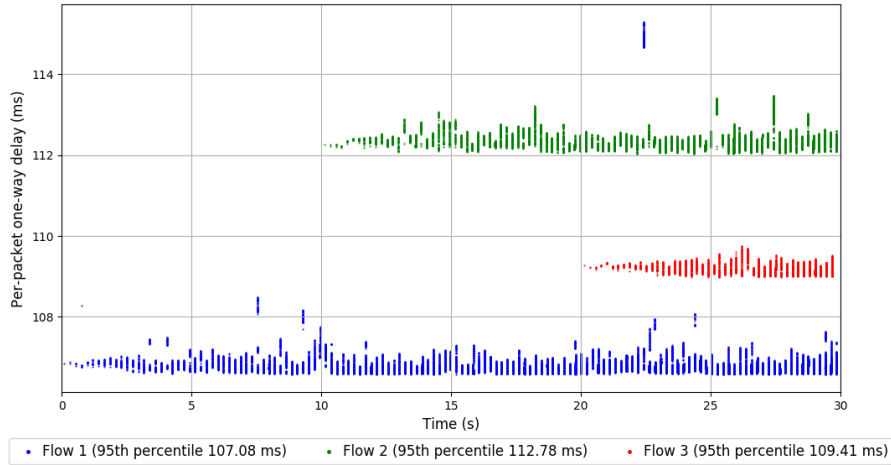
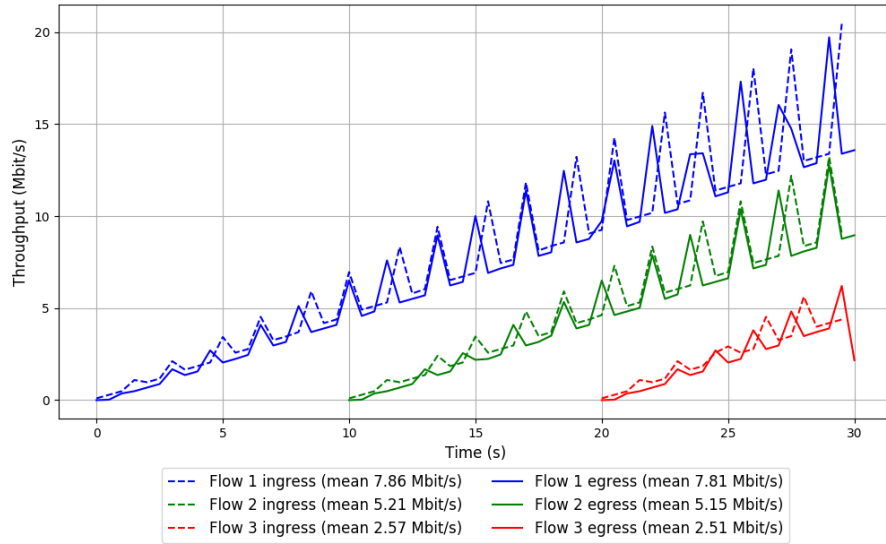


Run 5: Statistics of LEDBAT

Start at: 2019-09-18 06:59:13
End at: 2019-09-18 06:59:43
Local clock offset: -0.014 ms
Remote clock offset: -0.145 ms

```
# Below is generated by plot.py at 2019-09-18 09:06:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 112.449 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 107.083 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 5.15 Mbit/s
95th percentile per-packet one-way delay: 112.779 ms
Loss rate: 2.19%
-- Flow 3:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 109.411 ms
Loss rate: 4.43%
```

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-09-18 03:46:00
End at: 2019-09-18 03:46:30
Local clock offset: -0.227 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2019-09-18 09:09:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 727.22 Mbit/s
95th percentile per-packet one-way delay: 129.335 ms
Loss rate: 0.92%

-- Flow 1:

Average throughput: 435.41 Mbit/s
95th percentile per-packet one-way delay: 122.164 ms
Loss rate: 0.40%

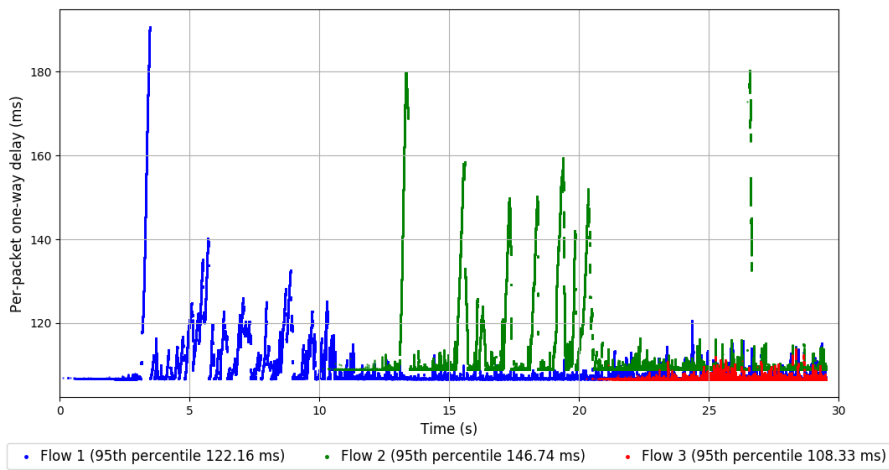
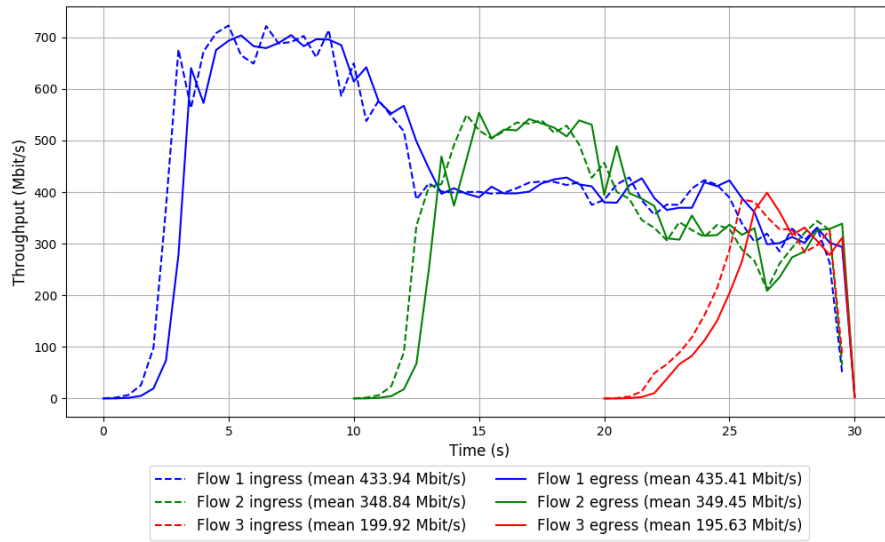
-- Flow 2:

Average throughput: 349.45 Mbit/s
95th percentile per-packet one-way delay: 146.736 ms
Loss rate: 0.94%

-- Flow 3:

Average throughput: 195.63 Mbit/s
95th percentile per-packet one-way delay: 108.326 ms
Loss rate: 4.38%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-09-18 04:29:14

End at: 2019-09-18 04:29:44

Local clock offset: 0.008 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2019-09-18 09:09:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 719.67 Mbit/s

95th percentile per-packet one-way delay: 124.265 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 410.22 Mbit/s

95th percentile per-packet one-way delay: 126.231 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 366.73 Mbit/s

95th percentile per-packet one-way delay: 124.638 ms

Loss rate: 0.85%

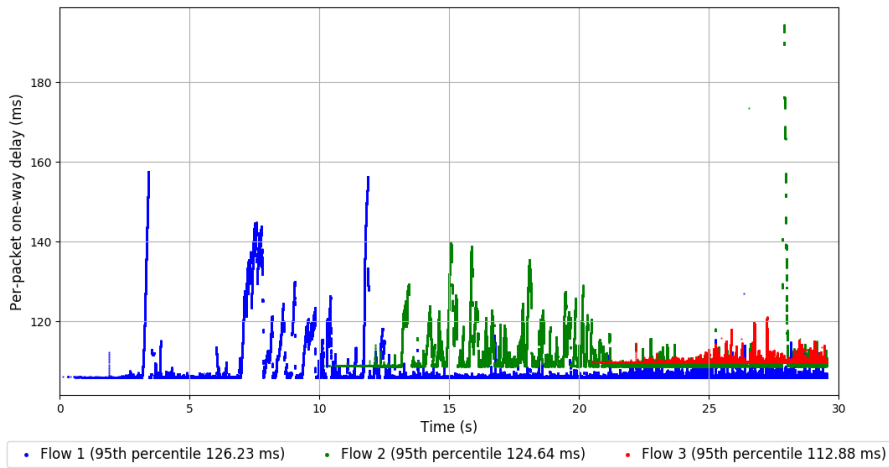
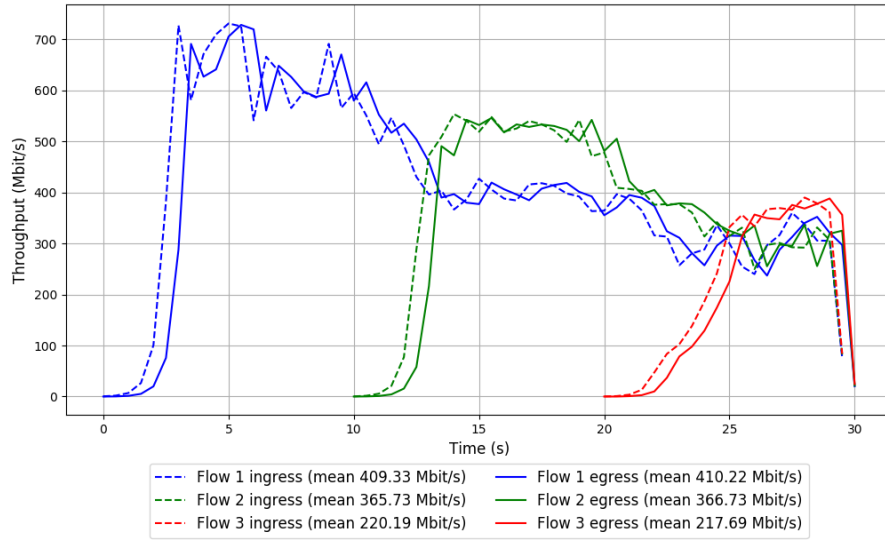
-- Flow 3:

Average throughput: 217.69 Mbit/s

95th percentile per-packet one-way delay: 112.877 ms

Loss rate: 3.43%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-09-18 05:12:38

End at: 2019-09-18 05:13:08

Local clock offset: 0.013 ms

Remote clock offset: -0.29 ms

Below is generated by plot.py at 2019-09-18 09:09:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 732.01 Mbit/s

95th percentile per-packet one-way delay: 136.894 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 428.20 Mbit/s

95th percentile per-packet one-way delay: 138.030 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 369.60 Mbit/s

95th percentile per-packet one-way delay: 136.965 ms

Loss rate: 1.15%

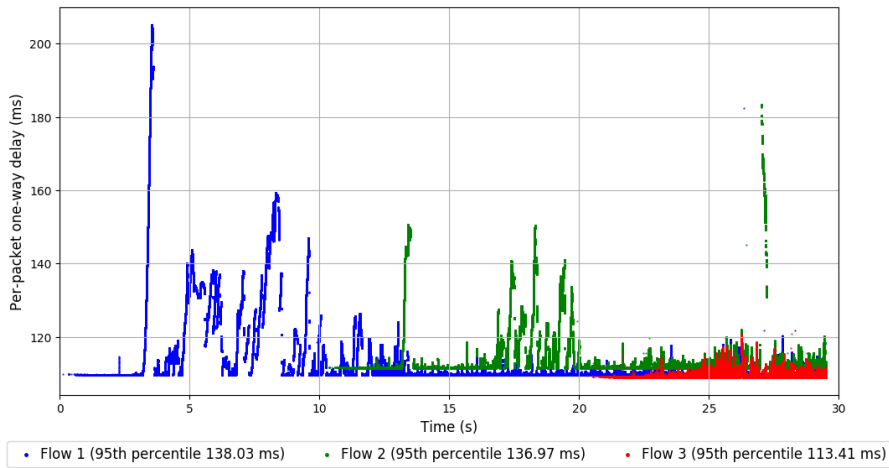
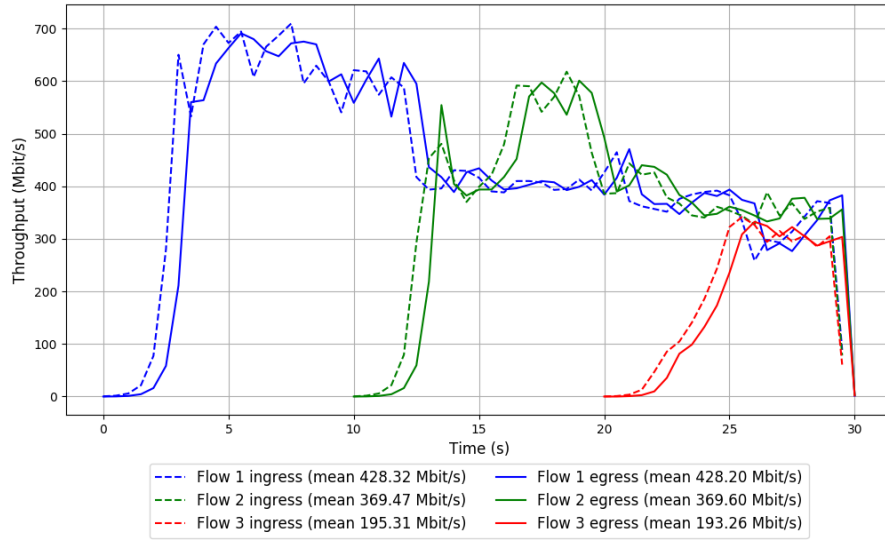
-- Flow 3:

Average throughput: 193.26 Mbit/s

95th percentile per-packet one-way delay: 113.408 ms

Loss rate: 3.30%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-09-18 05:55:49

End at: 2019-09-18 05:56:19

Local clock offset: -0.089 ms

Remote clock offset: -0.55 ms

Below is generated by plot.py at 2019-09-18 09:12:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 711.13 Mbit/s

95th percentile per-packet one-way delay: 127.081 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 451.53 Mbit/s

95th percentile per-packet one-way delay: 133.989 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 313.84 Mbit/s

95th percentile per-packet one-way delay: 109.264 ms

Loss rate: 0.75%

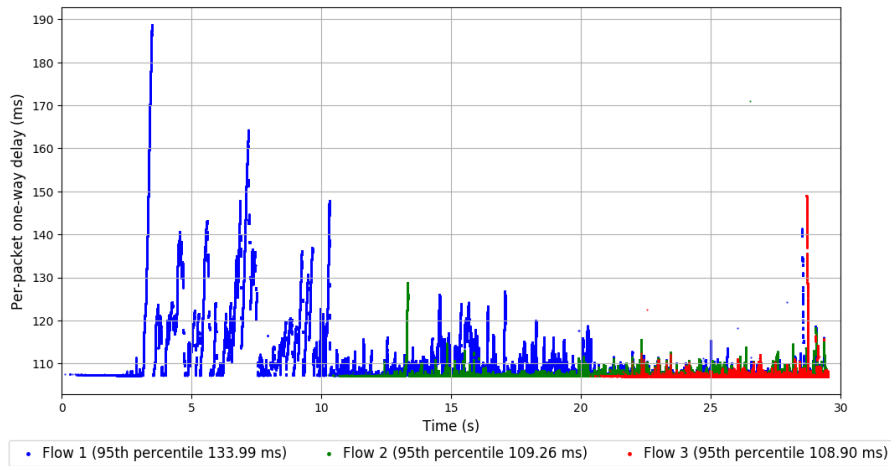
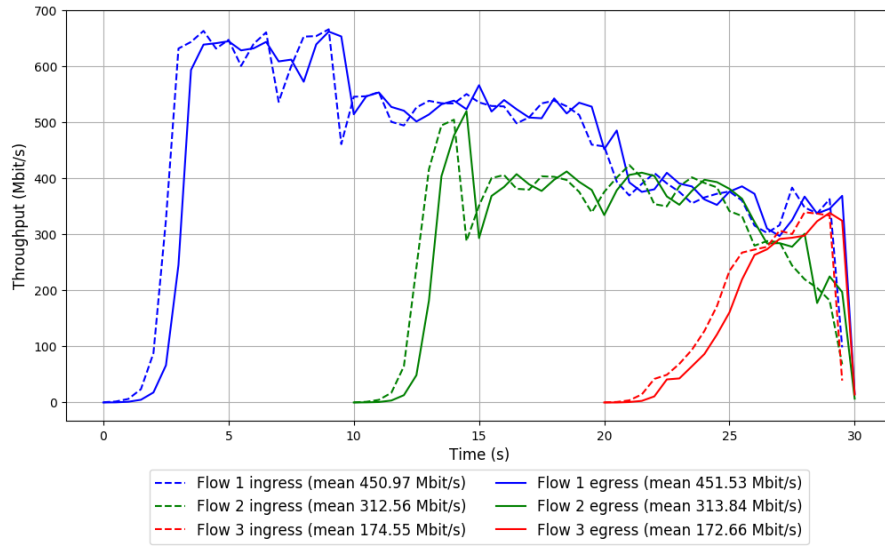
-- Flow 3:

Average throughput: 172.66 Mbit/s

95th percentile per-packet one-way delay: 108.904 ms

Loss rate: 3.38%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-09-18 06:38:59

End at: 2019-09-18 06:39:29

Local clock offset: -0.028 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2019-09-18 09:15:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 719.50 Mbit/s

95th percentile per-packet one-way delay: 127.838 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 436.86 Mbit/s

95th percentile per-packet one-way delay: 135.040 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 338.07 Mbit/s

95th percentile per-packet one-way delay: 115.407 ms

Loss rate: 1.19%

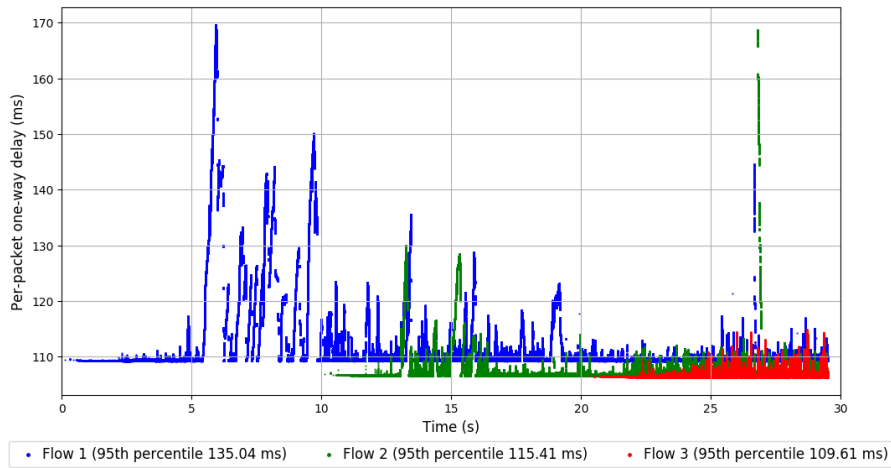
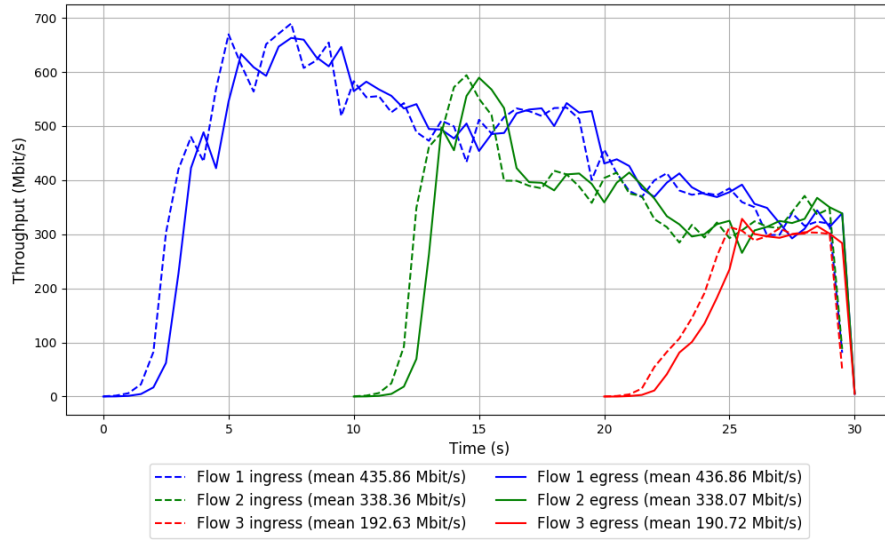
-- Flow 3:

Average throughput: 190.72 Mbit/s

95th percentile per-packet one-way delay: 109.606 ms

Loss rate: 3.27%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-18 04:14:42

End at: 2019-09-18 04:15:12

Local clock offset: -0.032 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2019-09-18 09:16:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 651.91 Mbit/s

95th percentile per-packet one-way delay: 174.010 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 415.03 Mbit/s

95th percentile per-packet one-way delay: 158.267 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 245.72 Mbit/s

95th percentile per-packet one-way delay: 204.780 ms

Loss rate: 1.64%

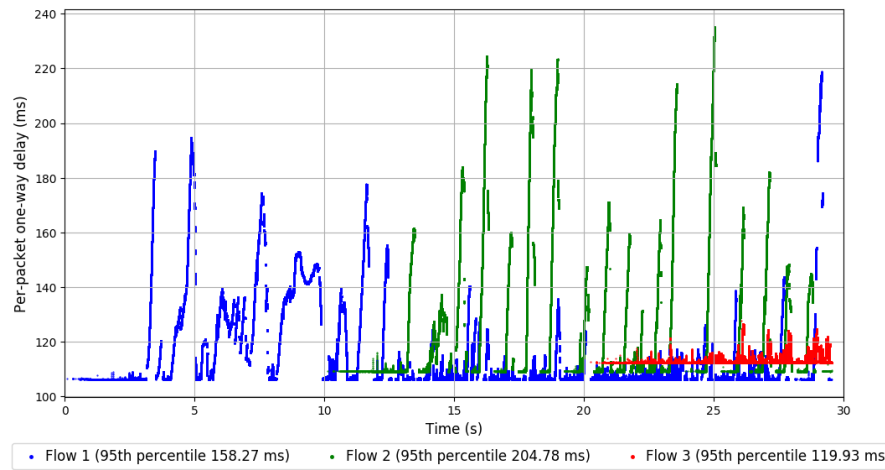
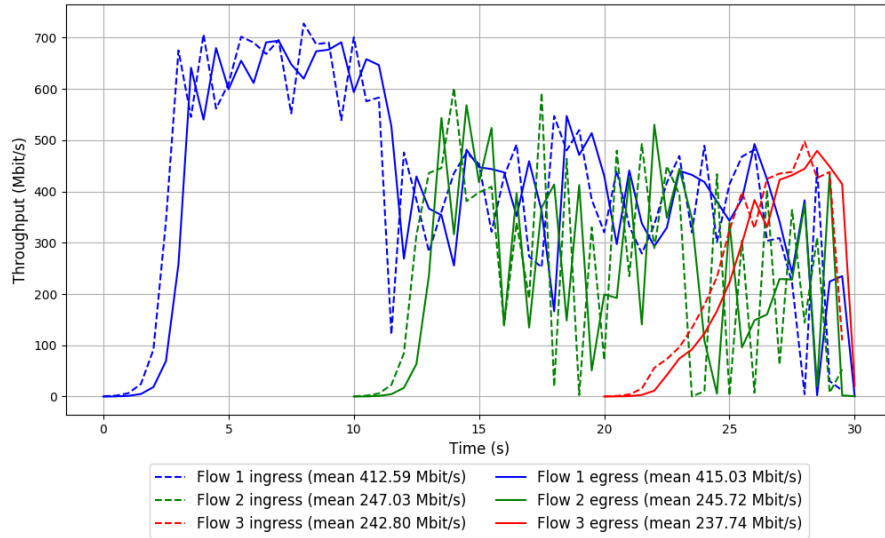
-- Flow 3:

Average throughput: 237.74 Mbit/s

95th percentile per-packet one-way delay: 119.933 ms

Loss rate: 4.37%

Run 1: Report of Muses_DecisionTreeH0 — Data Link

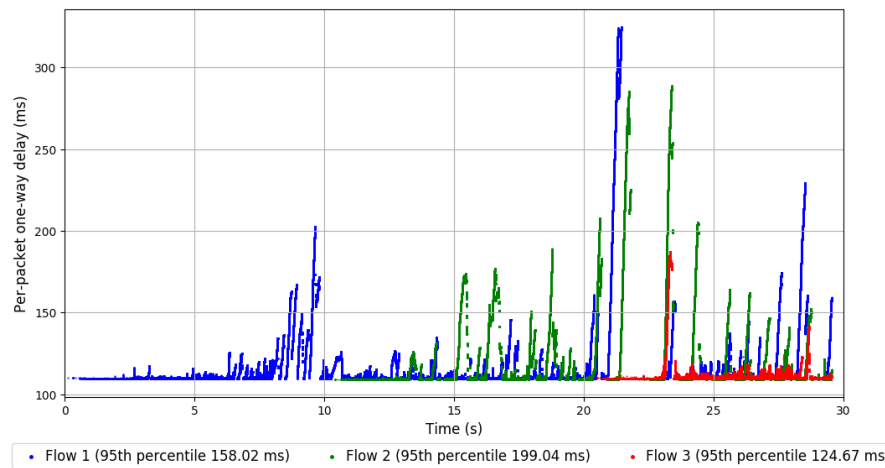
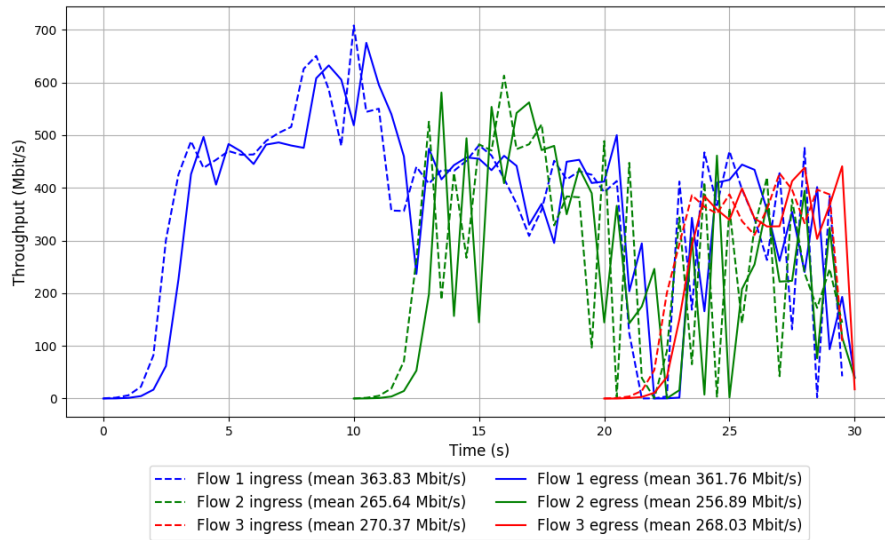


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-18 04:57:50
End at: 2019-09-18 04:58:20
Local clock offset: 0.026 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2019-09-18 09:16:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 614.69 Mbit/s
95th percentile per-packet one-way delay: 168.094 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 361.76 Mbit/s
95th percentile per-packet one-way delay: 158.023 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 256.89 Mbit/s
95th percentile per-packet one-way delay: 199.044 ms
Loss rate: 4.16%
-- Flow 3:
Average throughput: 268.03 Mbit/s
95th percentile per-packet one-way delay: 124.668 ms
Loss rate: 3.17%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-18 05:41:05
End at: 2019-09-18 05:41:35
Local clock offset: -0.316 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2019-09-18 09:17:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 573.30 Mbit/s
95th percentile per-packet one-way delay: 186.649 ms
Loss rate: 1.23%

-- Flow 1:

Average throughput: 375.10 Mbit/s
95th percentile per-packet one-way delay: 179.004 ms
Loss rate: 0.16%

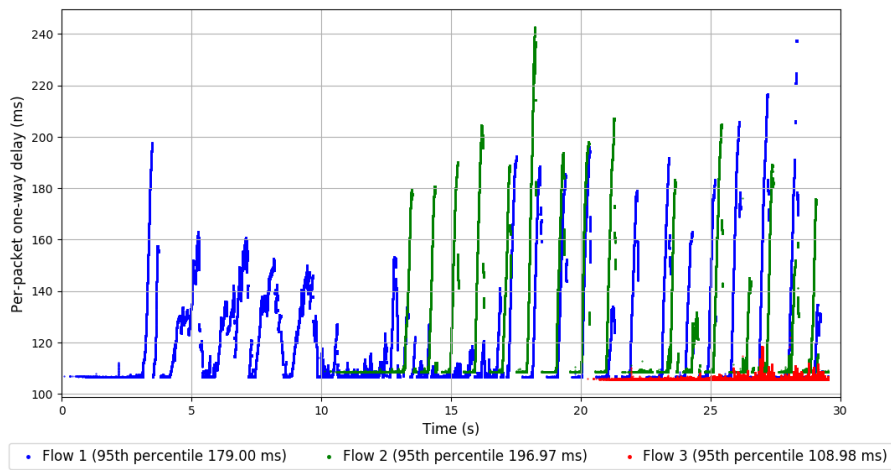
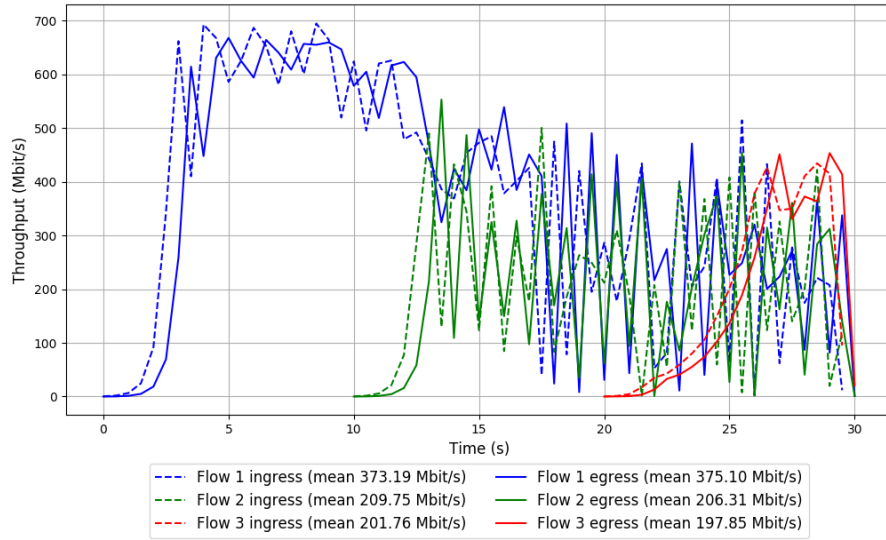
-- Flow 2:

Average throughput: 206.31 Mbit/s
95th percentile per-packet one-way delay: 196.972 ms
Loss rate: 2.74%

-- Flow 3:

Average throughput: 197.85 Mbit/s
95th percentile per-packet one-way delay: 108.982 ms
Loss rate: 4.19%

Run 3: Report of Muses_DecisionTreeH0 — Data Link

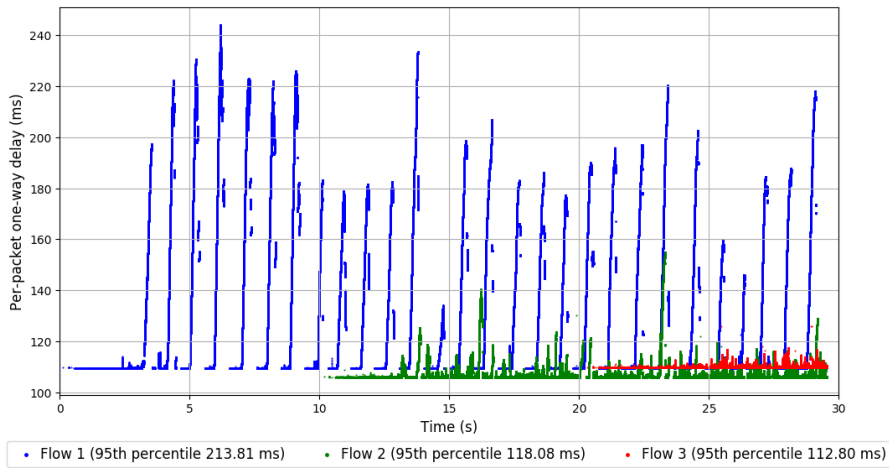
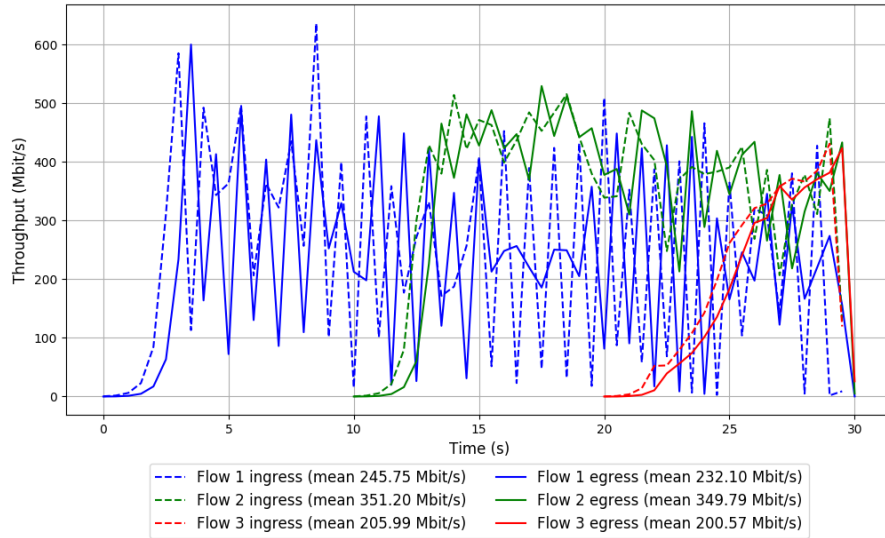


Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-18 06:24:27
End at: 2019-09-18 06:24:57
Local clock offset: -0.144 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2019-09-18 09:18:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 525.11 Mbit/s
95th percentile per-packet one-way delay: 197.540 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 232.10 Mbit/s
95th percentile per-packet one-way delay: 213.806 ms
Loss rate: 6.25%
-- Flow 2:
Average throughput: 349.79 Mbit/s
95th percentile per-packet one-way delay: 118.075 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 200.57 Mbit/s
95th percentile per-packet one-way delay: 112.800 ms
Loss rate: 4.89%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-18 07:07:49

End at: 2019-09-18 07:08:19

Local clock offset: 0.203 ms

Remote clock offset: 0.202 ms

Below is generated by plot.py at 2019-09-18 09:18:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 454.73 Mbit/s

95th percentile per-packet one-way delay: 207.074 ms

Loss rate: 5.92%

-- Flow 1:

Average throughput: 244.59 Mbit/s

95th percentile per-packet one-way delay: 211.315 ms

Loss rate: 7.61%

-- Flow 2:

Average throughput: 204.13 Mbit/s

95th percentile per-packet one-way delay: 203.540 ms

Loss rate: 4.30%

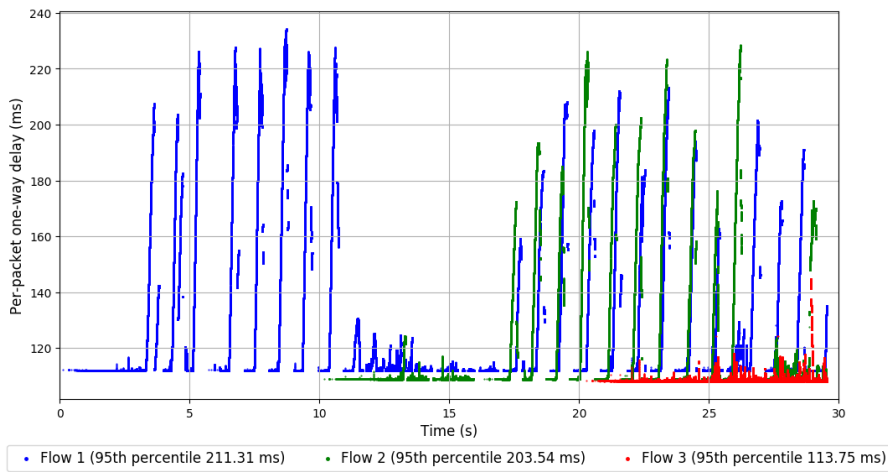
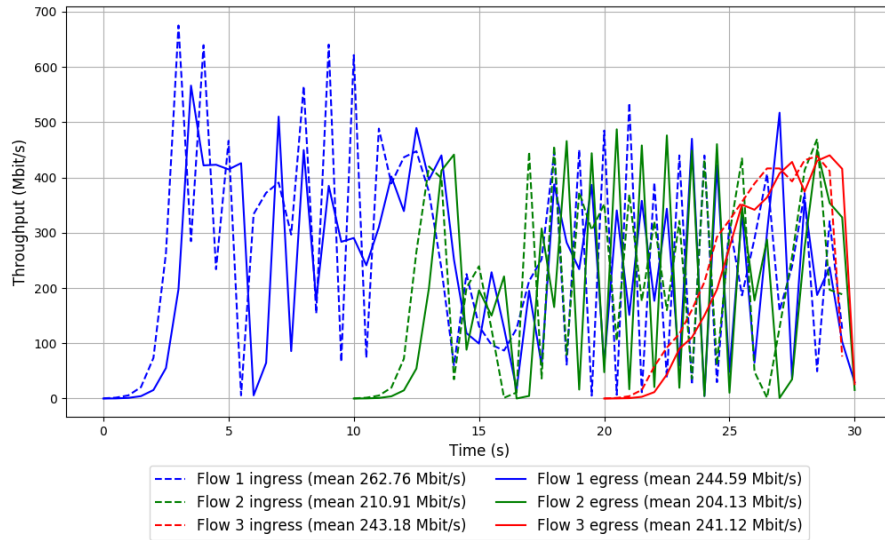
-- Flow 3:

Average throughput: 241.12 Mbit/s

95th percentile per-packet one-way delay: 113.753 ms

Loss rate: 3.12%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

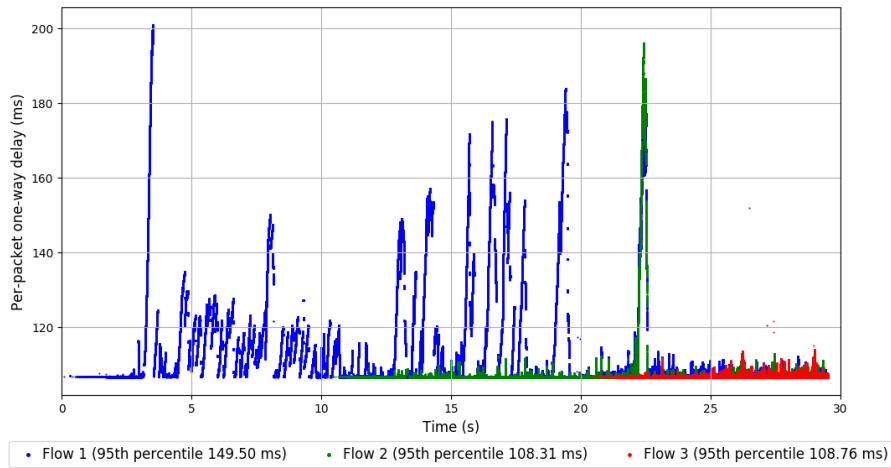
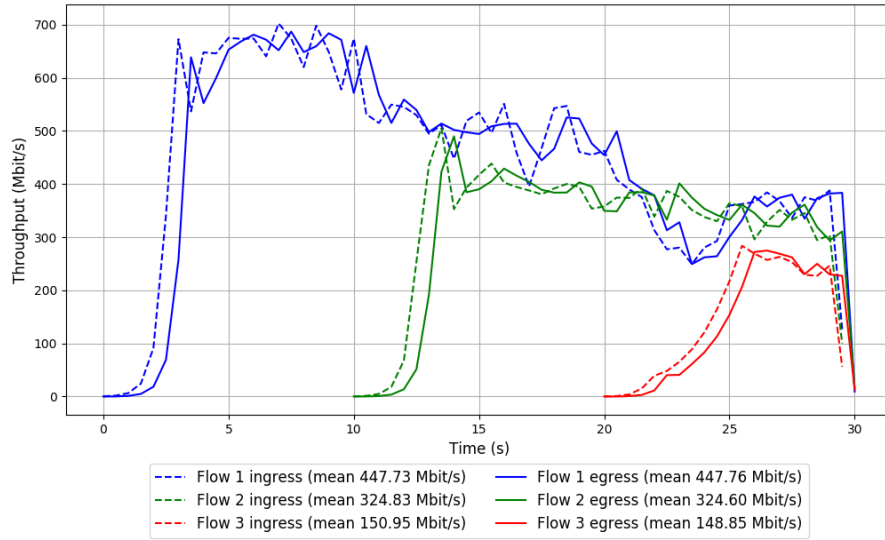


Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-18 04:00:14
End at: 2019-09-18 04:00:44
Local clock offset: -0.137 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2019-09-18 09:22:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 707.08 Mbit/s
95th percentile per-packet one-way delay: 144.054 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 447.76 Mbit/s
95th percentile per-packet one-way delay: 149.503 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 324.60 Mbit/s
95th percentile per-packet one-way delay: 108.309 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 148.85 Mbit/s
95th percentile per-packet one-way delay: 108.759 ms
Loss rate: 3.77%

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-18 04:43:19
End at: 2019-09-18 04:43:49
Local clock offset: 0.028 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2019-09-18 09:26:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 758.92 Mbit/s
95th percentile per-packet one-way delay: 145.655 ms
Loss rate: 0.93%

-- Flow 1:

Average throughput: 456.77 Mbit/s
95th percentile per-packet one-way delay: 146.001 ms
Loss rate: 0.66%

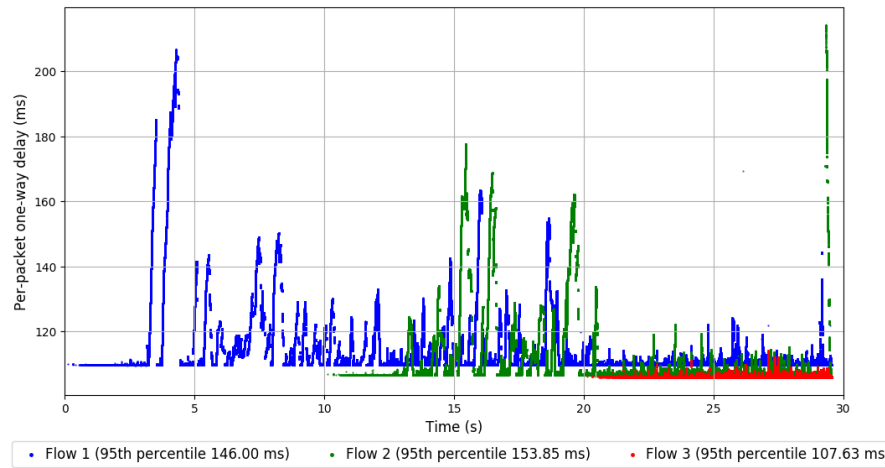
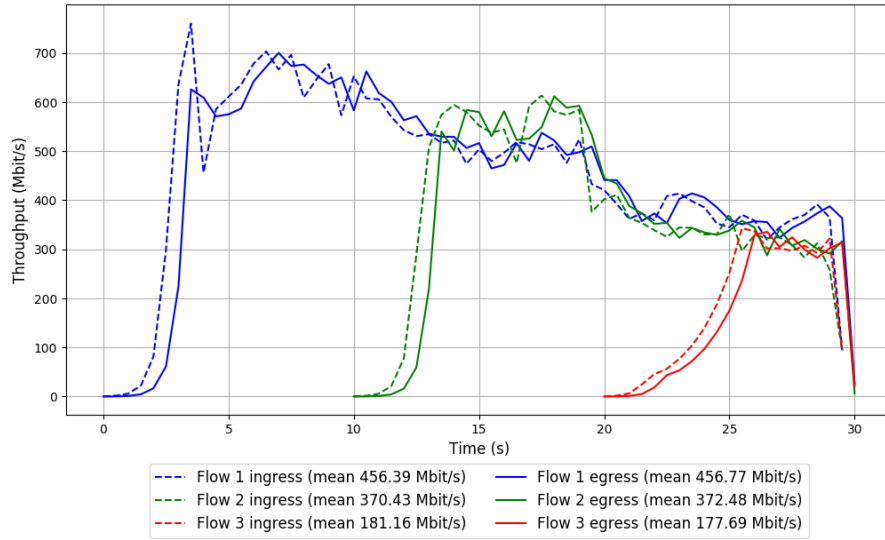
-- Flow 2:

Average throughput: 372.48 Mbit/s
95th percentile per-packet one-way delay: 153.849 ms
Loss rate: 0.67%

-- Flow 3:

Average throughput: 177.69 Mbit/s
95th percentile per-packet one-way delay: 107.633 ms
Loss rate: 4.14%

Run 2: Report of Muses_DecisionTreeR0 — Data Link

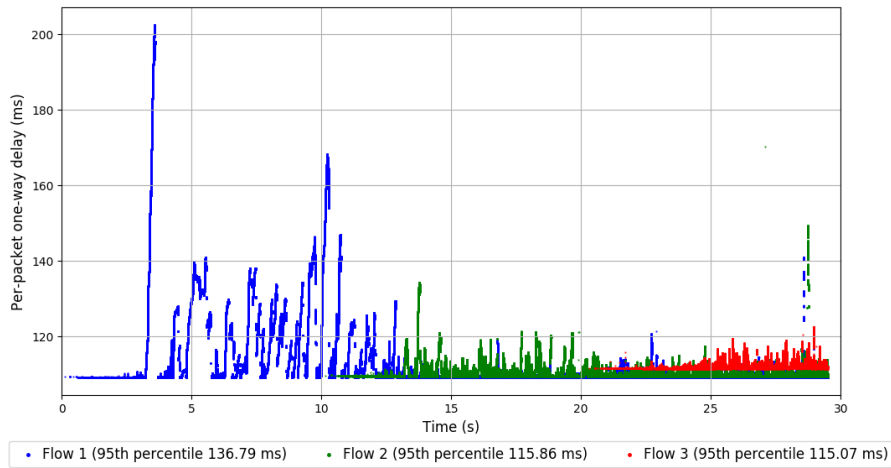
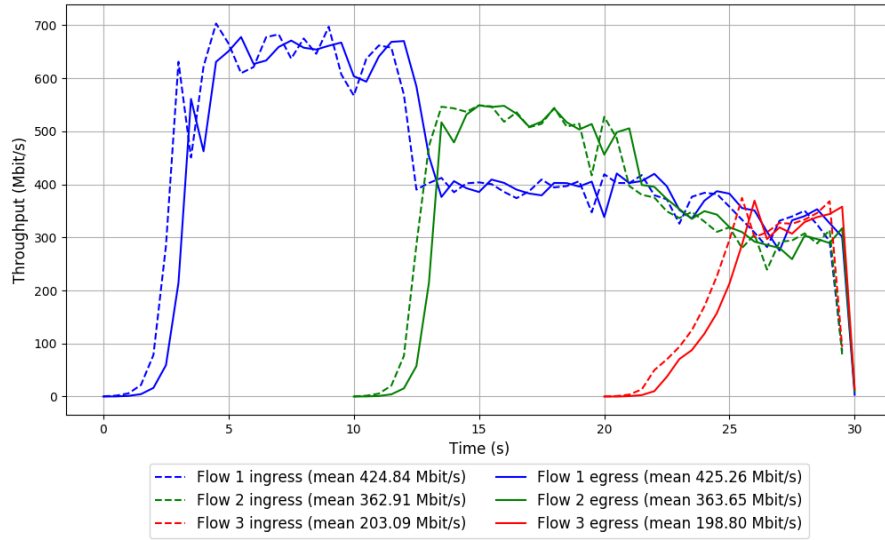


Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-18 05:26:32
End at: 2019-09-18 05:27:02
Local clock offset: -0.128 ms
Remote clock offset: -0.543 ms

Below is generated by plot.py at 2019-09-18 09:28:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 726.67 Mbit/s
95th percentile per-packet one-way delay: 132.396 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 425.26 Mbit/s
95th percentile per-packet one-way delay: 136.795 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 363.65 Mbit/s
95th percentile per-packet one-way delay: 115.864 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 198.80 Mbit/s
95th percentile per-packet one-way delay: 115.071 ms
Loss rate: 4.41%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

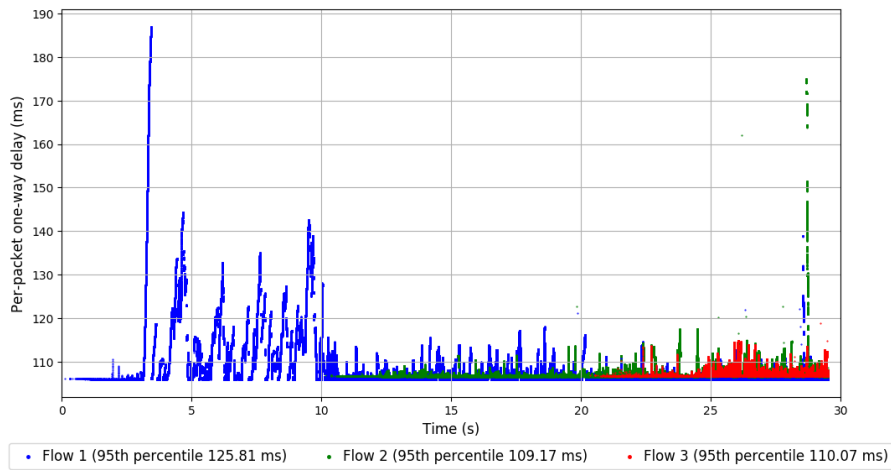
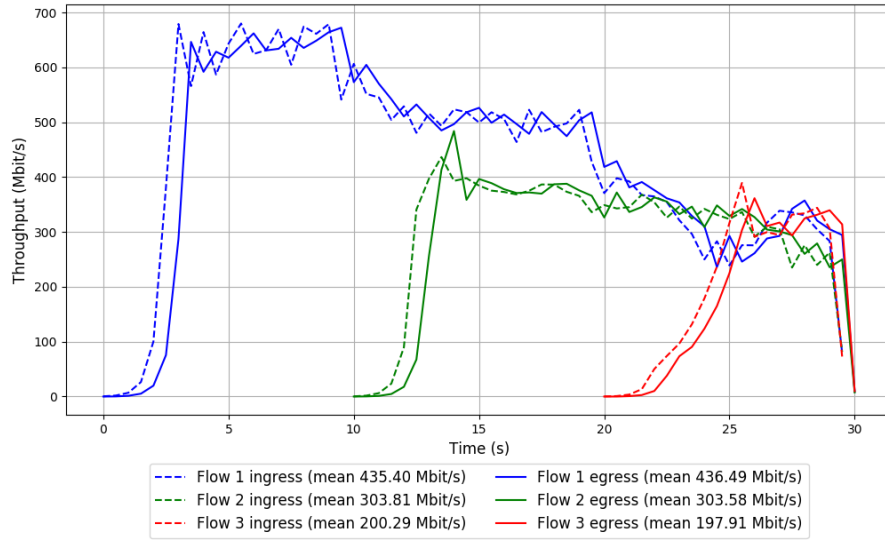


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-18 06:10:07
End at: 2019-09-18 06:10:37
Local clock offset: -0.008 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2019-09-18 09:28:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 698.16 Mbit/s
95th percentile per-packet one-way delay: 121.220 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 436.49 Mbit/s
95th percentile per-packet one-way delay: 125.814 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 303.58 Mbit/s
95th percentile per-packet one-way delay: 109.173 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 197.91 Mbit/s
95th percentile per-packet one-way delay: 110.069 ms
Loss rate: 3.48%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

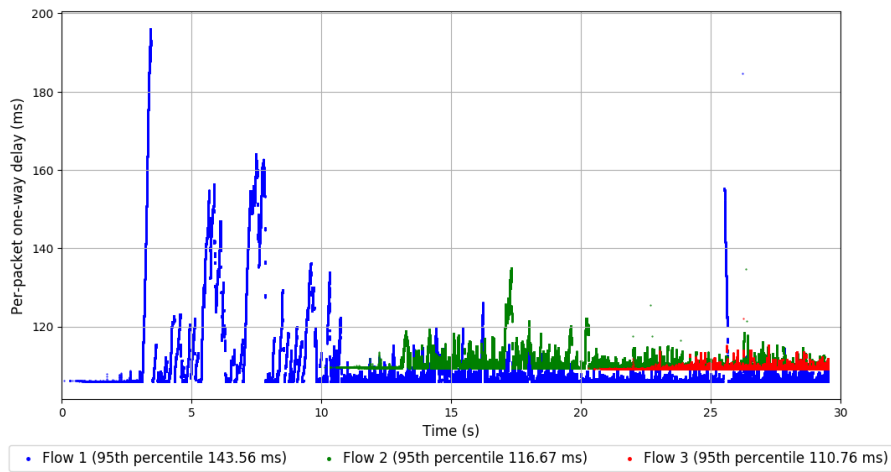
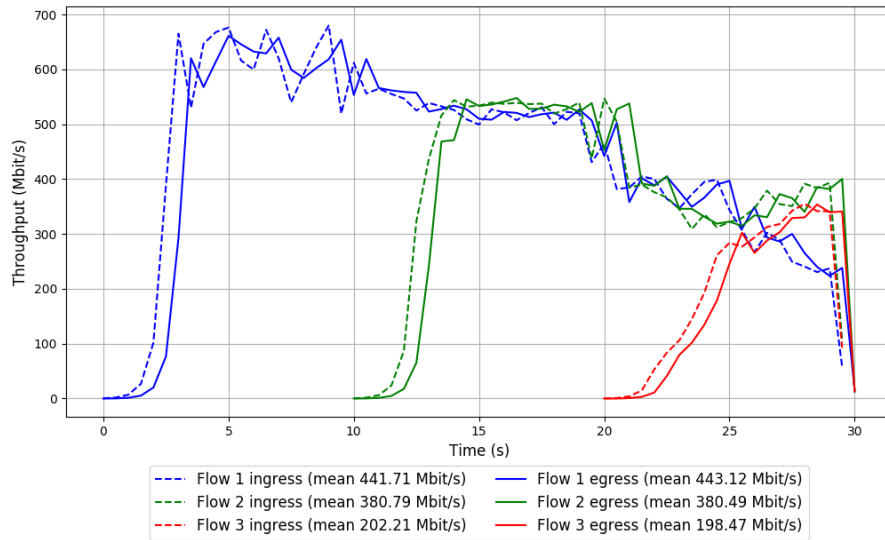


Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-18 06:53:15
End at: 2019-09-18 06:53:45
Local clock offset: -0.101 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2019-09-18 09:29:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 756.32 Mbit/s
95th percentile per-packet one-way delay: 130.739 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 443.12 Mbit/s
95th percentile per-packet one-way delay: 143.555 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 380.49 Mbit/s
95th percentile per-packet one-way delay: 116.673 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 198.47 Mbit/s
95th percentile per-packet one-way delay: 110.763 ms
Loss rate: 4.12%

Run 5: Report of Muses_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-09-18 04:18:42
End at: 2019-09-18 04:19:12
Local clock offset: 0.006 ms
Remote clock offset: -0.257 ms

Below is generated by plot.py at 2019-09-18 09:37:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 607.99 Mbit/s
95th percentile per-packet one-way delay: 164.179 ms
Loss rate: 2.12%

-- Flow 1:

Average throughput: 338.35 Mbit/s
95th percentile per-packet one-way delay: 156.187 ms
Loss rate: 1.62%

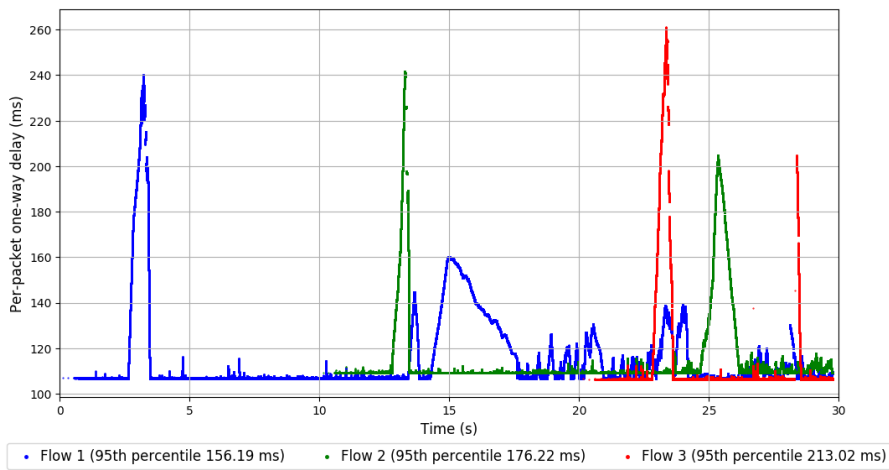
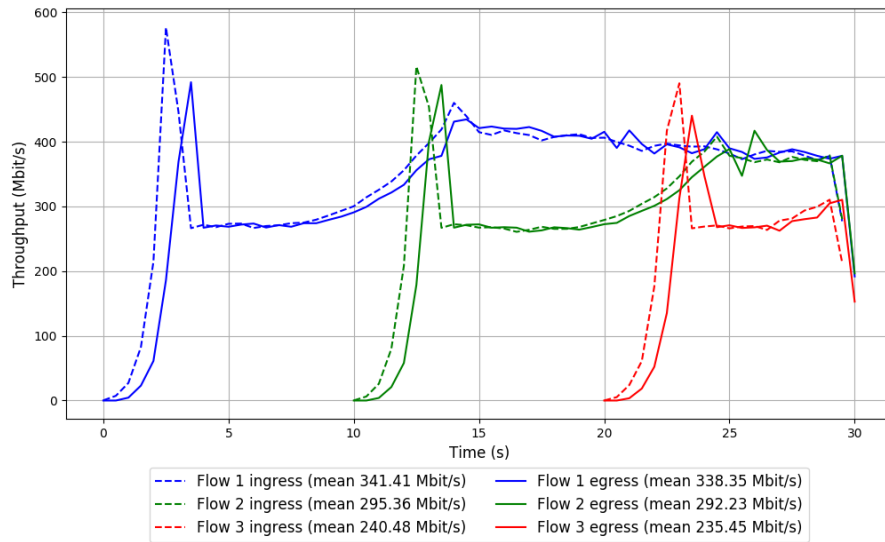
-- Flow 2:

Average throughput: 292.23 Mbit/s
95th percentile per-packet one-way delay: 176.220 ms
Loss rate: 2.15%

-- Flow 3:

Average throughput: 235.45 Mbit/s
95th percentile per-packet one-way delay: 213.019 ms
Loss rate: 4.24%

Run 1: Report of PCC-Allegro — Data Link

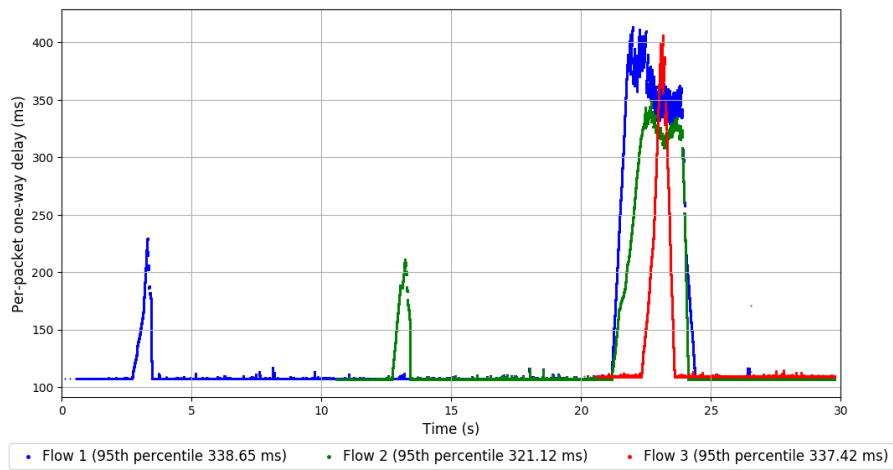
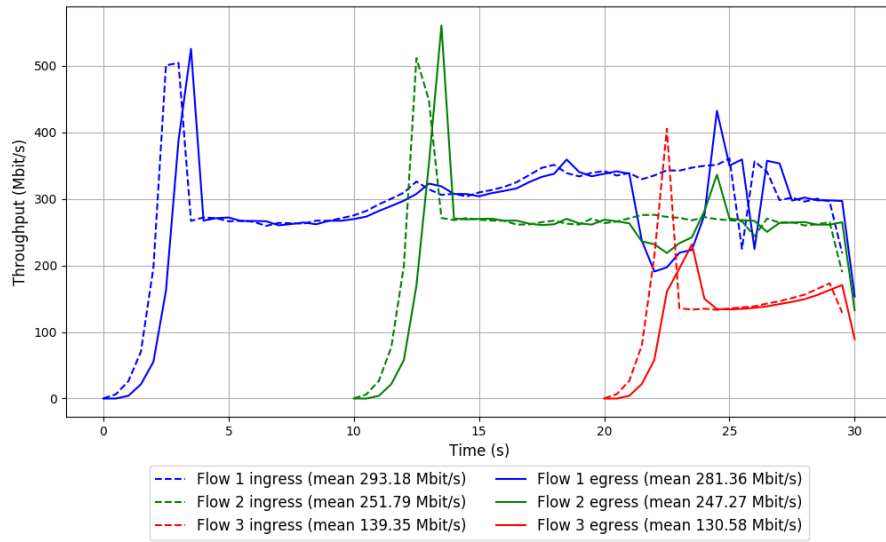


Run 2: Statistics of PCC-Allegro

Start at: 2019-09-18 05:01:52
End at: 2019-09-18 05:02:22
Local clock offset: 0.026 ms
Remote clock offset: -0.176 ms

```
# Below is generated by plot.py at 2019-09-18 09:37:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 487.57 Mbit/s
95th percentile per-packet one-way delay: 325.545 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 281.36 Mbit/s
95th percentile per-packet one-way delay: 338.655 ms
Loss rate: 4.73%
-- Flow 2:
Average throughput: 247.27 Mbit/s
95th percentile per-packet one-way delay: 321.118 ms
Loss rate: 2.86%
-- Flow 3:
Average throughput: 130.58 Mbit/s
95th percentile per-packet one-way delay: 337.417 ms
Loss rate: 8.36%
```

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-09-18 05:45:02

End at: 2019-09-18 05:45:32

Local clock offset: 0.062 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2019-09-18 09:38:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 574.50 Mbit/s

95th percentile per-packet one-way delay: 183.162 ms

Loss rate: 2.02%

-- Flow 1:

Average throughput: 324.47 Mbit/s

95th percentile per-packet one-way delay: 182.403 ms

Loss rate: 1.19%

-- Flow 2:

Average throughput: 267.44 Mbit/s

95th percentile per-packet one-way delay: 164.748 ms

Loss rate: 2.75%

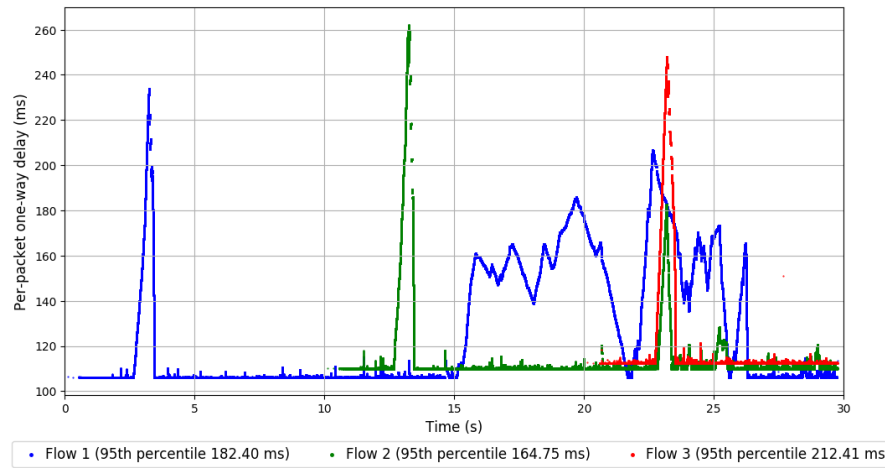
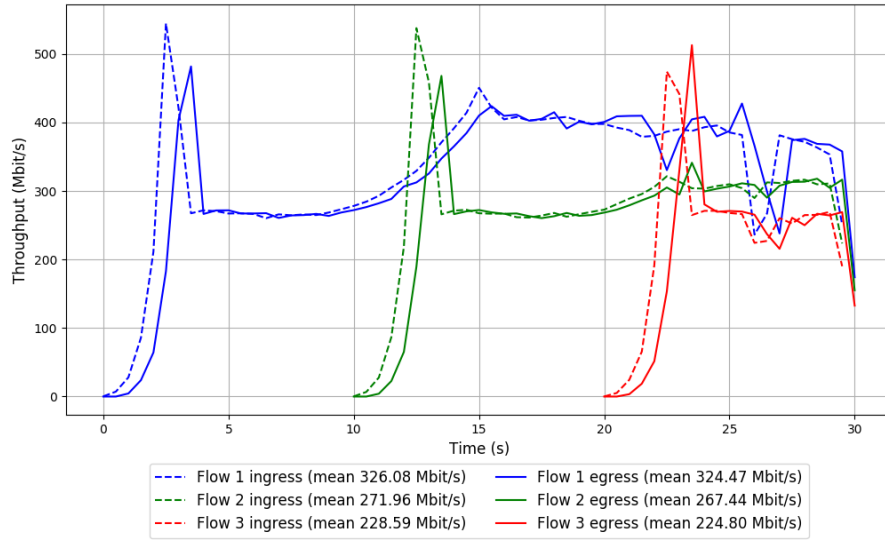
-- Flow 3:

Average throughput: 224.80 Mbit/s

95th percentile per-packet one-way delay: 212.406 ms

Loss rate: 3.88%

Run 3: Report of PCC-Allegro — Data Link

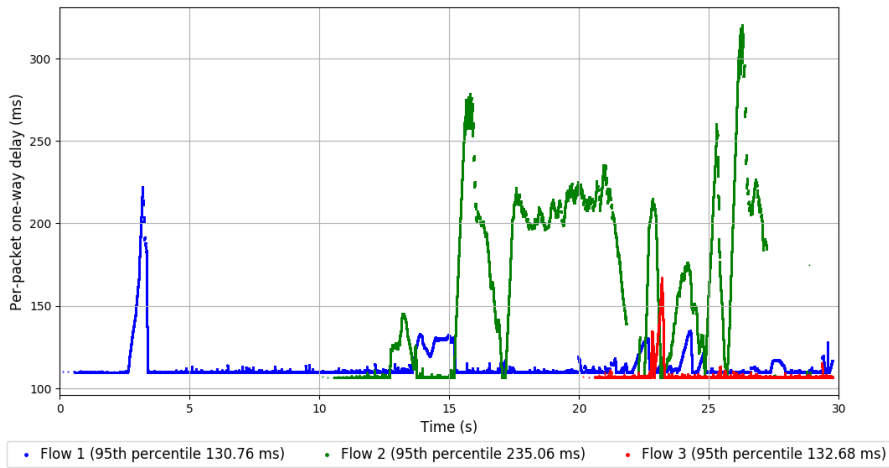
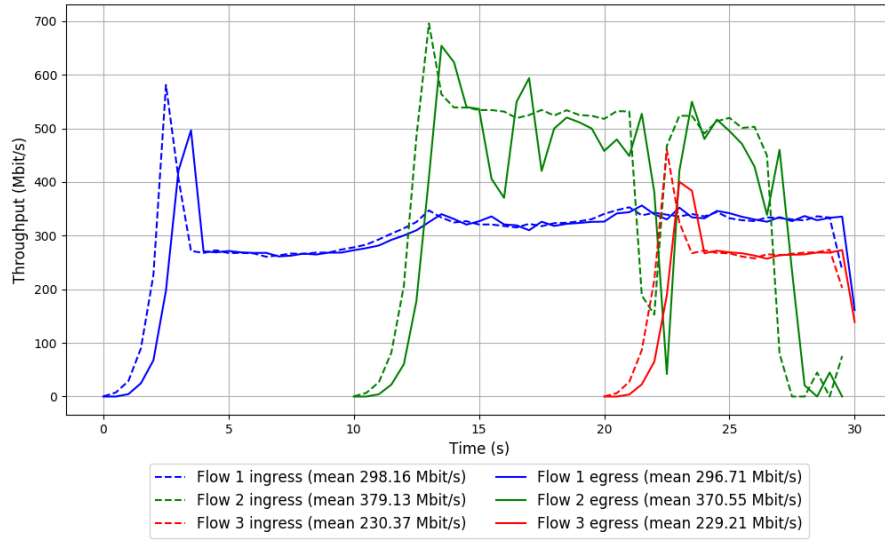


Run 4: Statistics of PCC-Allegro

Start at: 2019-09-18 06:28:21
End at: 2019-09-18 06:28:51
Local clock offset: -0.074 ms
Remote clock offset: -0.166 ms

```
# Below is generated by plot.py at 2019-09-18 09:44:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 610.35 Mbit/s
95th percentile per-packet one-way delay: 218.111 ms
Loss rate: 3.18%
-- Flow 1:
Average throughput: 296.71 Mbit/s
95th percentile per-packet one-way delay: 130.765 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 370.55 Mbit/s
95th percentile per-packet one-way delay: 235.065 ms
Loss rate: 5.64%
-- Flow 3:
Average throughput: 229.21 Mbit/s
95th percentile per-packet one-way delay: 132.678 ms
Loss rate: 2.70%
```

Run 4: Report of PCC-Allegro — Data Link

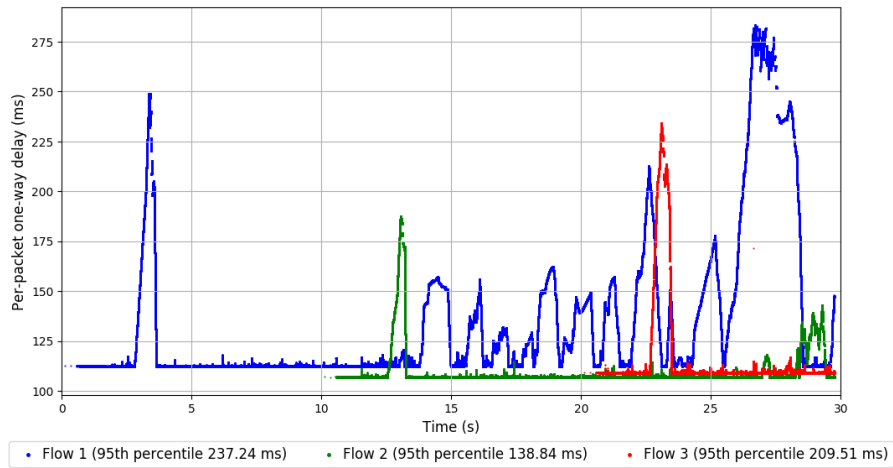
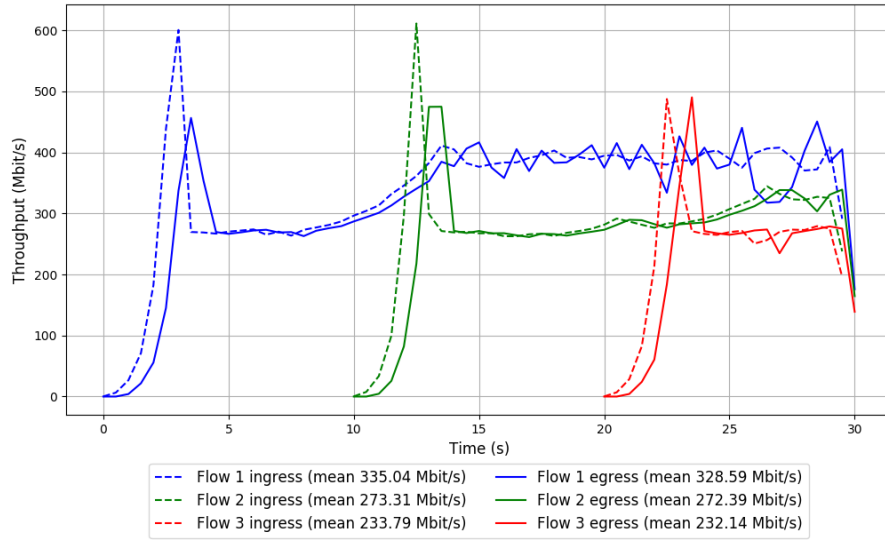


Run 5: Statistics of PCC-Allegro

Start at: 2019-09-18 07:11:40
End at: 2019-09-18 07:12:10
Local clock offset: 0.08 ms
Remote clock offset: -0.273 ms

```
# Below is generated by plot.py at 2019-09-18 09:46:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 584.37 Mbit/s
95th percentile per-packet one-way delay: 215.662 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 328.59 Mbit/s
95th percentile per-packet one-way delay: 237.240 ms
Loss rate: 2.65%
-- Flow 2:
Average throughput: 272.39 Mbit/s
95th percentile per-packet one-way delay: 138.844 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 232.14 Mbit/s
95th percentile per-packet one-way delay: 209.509 ms
Loss rate: 2.91%
```

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-09-18 04:20:43
End at: 2019-09-18 04:21:13
Local clock offset: -0.218 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2019-09-18 09:46:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 376.34 Mbit/s
95th percentile per-packet one-way delay: 150.292 ms
Loss rate: 1.81%

-- Flow 1:

Average throughput: 185.67 Mbit/s
95th percentile per-packet one-way delay: 146.607 ms
Loss rate: 1.45%

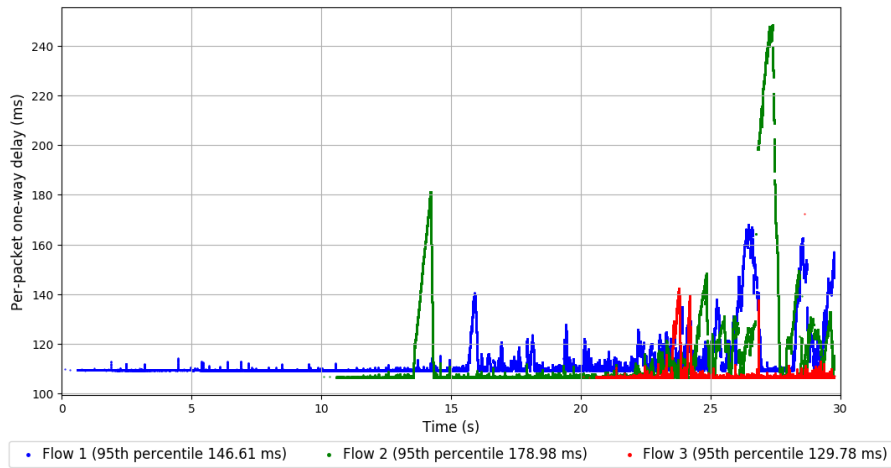
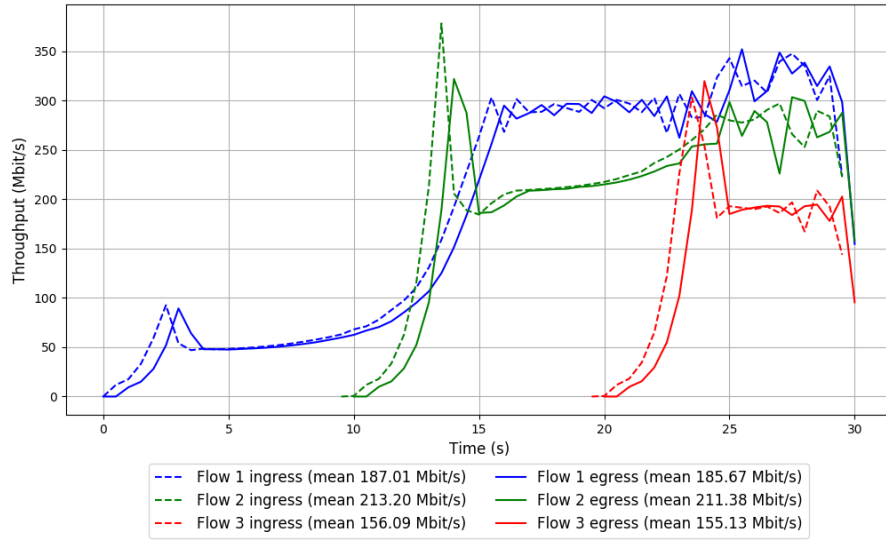
-- Flow 2:

Average throughput: 211.38 Mbit/s
95th percentile per-packet one-way delay: 178.977 ms
Loss rate: 1.94%

-- Flow 3:

Average throughput: 155.13 Mbit/s
95th percentile per-packet one-way delay: 129.778 ms
Loss rate: 2.80%

Run 1: Report of PCC-Expr — Data Link

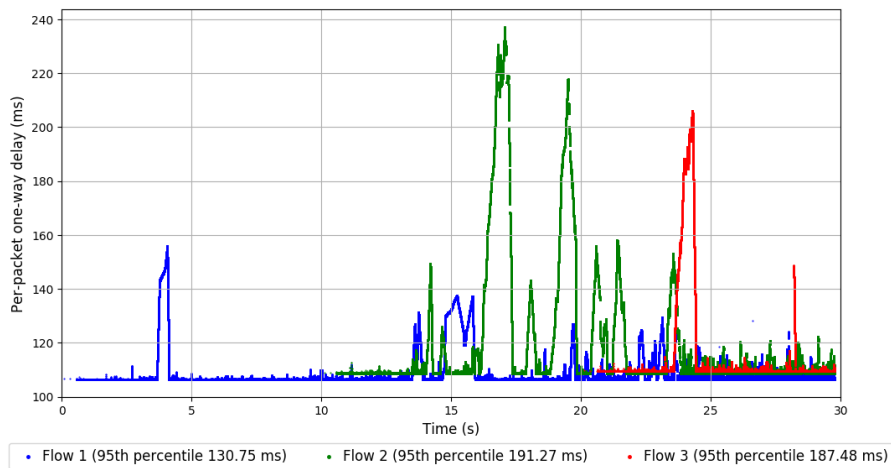
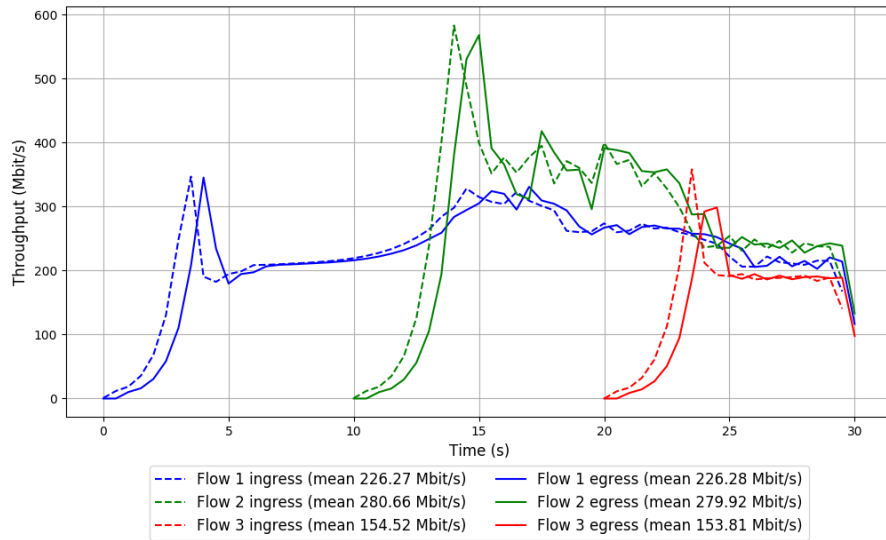


Run 2: Statistics of PCC-Expr

Start at: 2019-09-18 05:03:46
End at: 2019-09-18 05:04:16
Local clock offset: 0.038 ms
Remote clock offset: -0.547 ms

```
# Below is generated by plot.py at 2019-09-18 09:46:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 461.69 Mbit/s
95th percentile per-packet one-way delay: 157.794 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 226.28 Mbit/s
95th percentile per-packet one-way delay: 130.752 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 279.92 Mbit/s
95th percentile per-packet one-way delay: 191.274 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 153.81 Mbit/s
95th percentile per-packet one-way delay: 187.483 ms
Loss rate: 2.67%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-09-18 05:47:02
End at: 2019-09-18 05:47:32
Local clock offset: -0.045 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2019-09-18 09:46:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 388.07 Mbit/s
95th percentile per-packet one-way delay: 123.403 ms
Loss rate: 1.36%

-- Flow 1:

Average throughput: 224.37 Mbit/s
95th percentile per-packet one-way delay: 128.744 ms
Loss rate: 0.89%

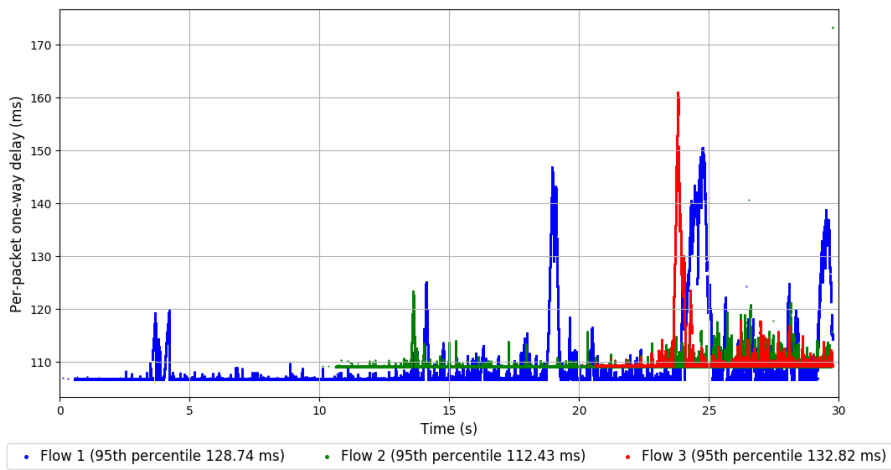
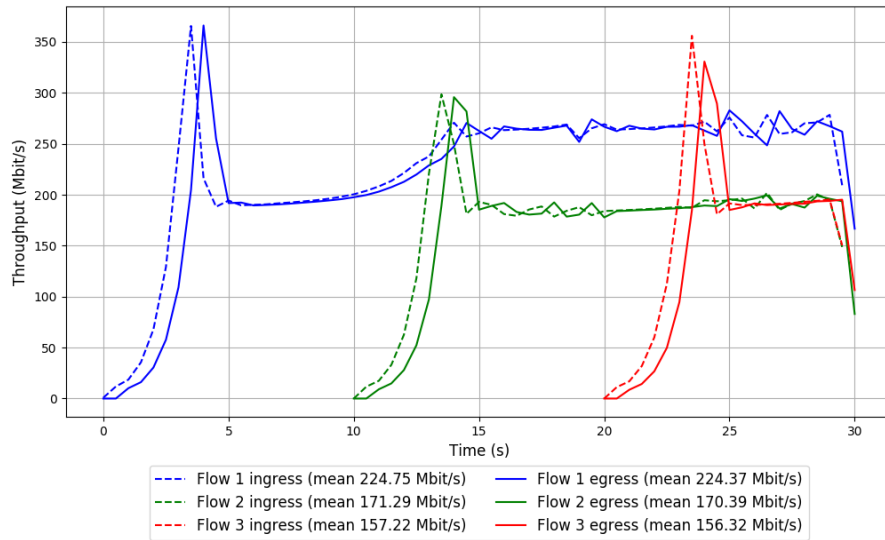
-- Flow 2:

Average throughput: 170.39 Mbit/s
95th percentile per-packet one-way delay: 112.434 ms
Loss rate: 1.61%

-- Flow 3:

Average throughput: 156.32 Mbit/s
95th percentile per-packet one-way delay: 132.817 ms
Loss rate: 2.79%

Run 3: Report of PCC-Expr — Data Link

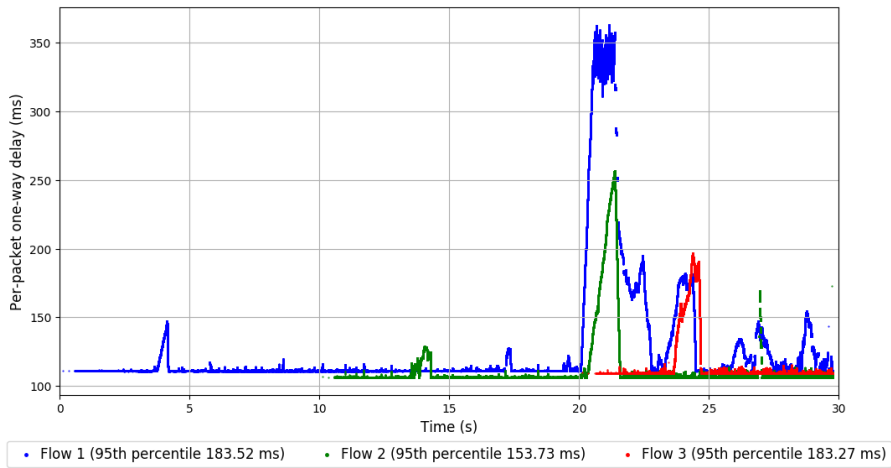
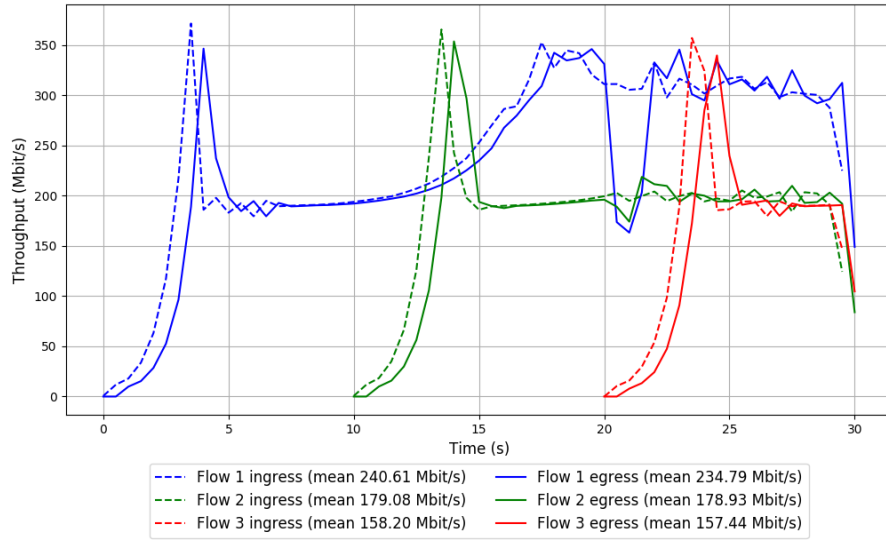


Run 4: Statistics of PCC-Expr

Start at: 2019-09-18 06:30:24
End at: 2019-09-18 06:30:54
Local clock offset: -0.728 ms
Remote clock offset: -0.284 ms

```
# Below is generated by plot.py at 2019-09-18 09:48:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 404.56 Mbit/s
95th percentile per-packet one-way delay: 180.929 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 234.79 Mbit/s
95th percentile per-packet one-way delay: 183.516 ms
Loss rate: 3.14%
-- Flow 2:
Average throughput: 178.93 Mbit/s
95th percentile per-packet one-way delay: 153.729 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 157.44 Mbit/s
95th percentile per-packet one-way delay: 183.268 ms
Loss rate: 2.70%
```

Run 4: Report of PCC-Expr — Data Link

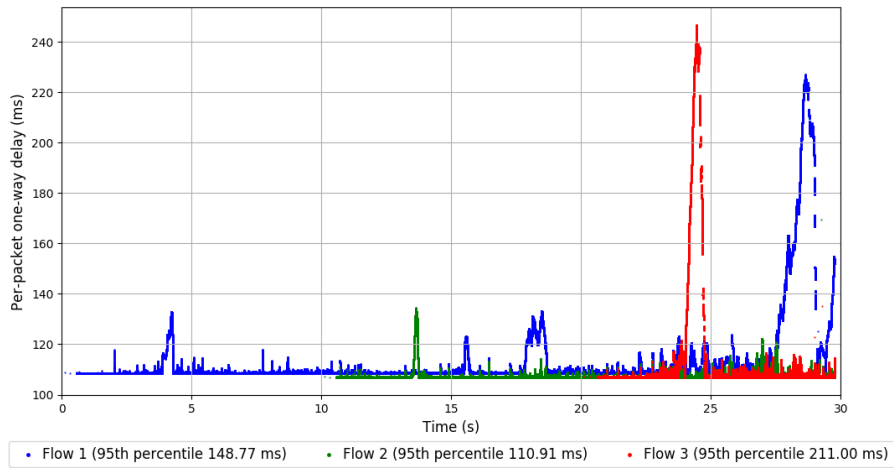
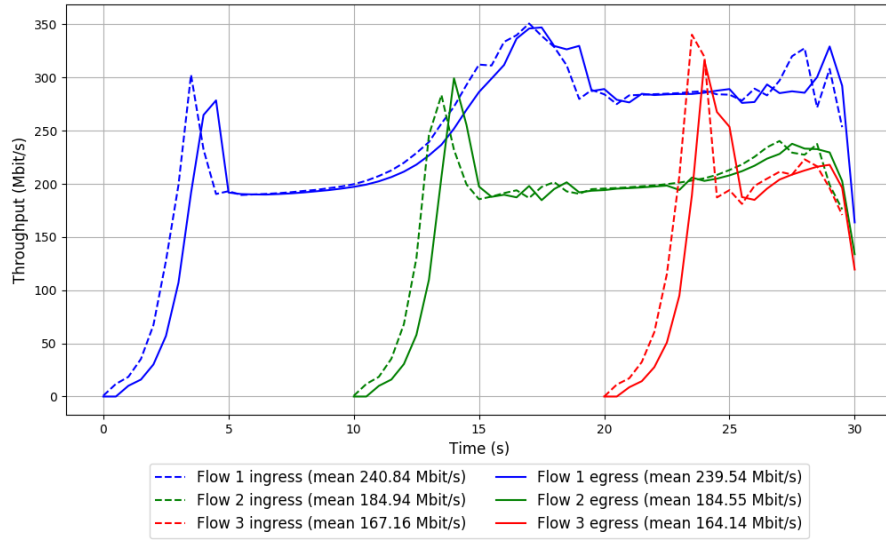


Run 5: Statistics of PCC-Expr

Start at: 2019-09-18 07:13:40
End at: 2019-09-18 07:14:10
Local clock offset: 0.058 ms
Remote clock offset: -0.328 ms

```
# Below is generated by plot.py at 2019-09-18 09:51:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 415.22 Mbit/s
95th percentile per-packet one-way delay: 133.873 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 239.54 Mbit/s
95th percentile per-packet one-way delay: 148.769 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 184.55 Mbit/s
95th percentile per-packet one-way delay: 110.907 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 164.14 Mbit/s
95th percentile per-packet one-way delay: 211.005 ms
Loss rate: 3.94%
```

Run 5: Report of PCC-Expr — Data Link

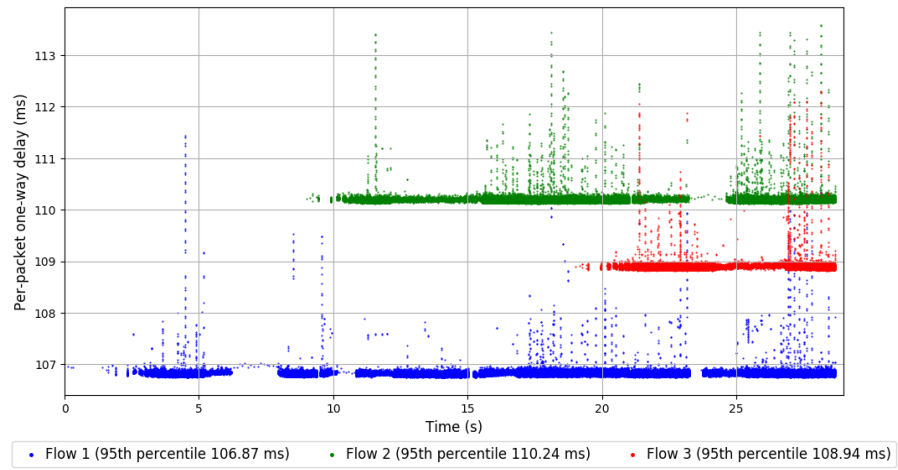
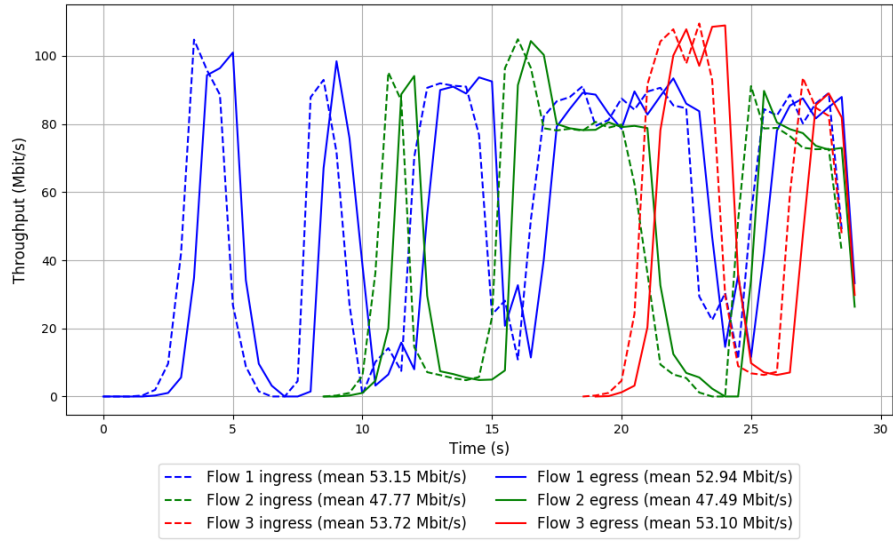


Run 1: Statistics of QUIC Cubic

Start at: 2019-09-18 04:11:30
End at: 2019-09-18 04:12:00
Local clock offset: 0.017 ms
Remote clock offset: -0.124 ms

```
# Below is generated by plot.py at 2019-09-18 09:51:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 103.59 Mbit/s
95th percentile per-packet one-way delay: 110.211 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 52.94 Mbit/s
95th percentile per-packet one-way delay: 106.869 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 47.49 Mbit/s
95th percentile per-packet one-way delay: 110.241 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 53.10 Mbit/s
95th percentile per-packet one-way delay: 108.941 ms
Loss rate: 3.35%
```

Run 1: Report of QUIC Cubic — Data Link

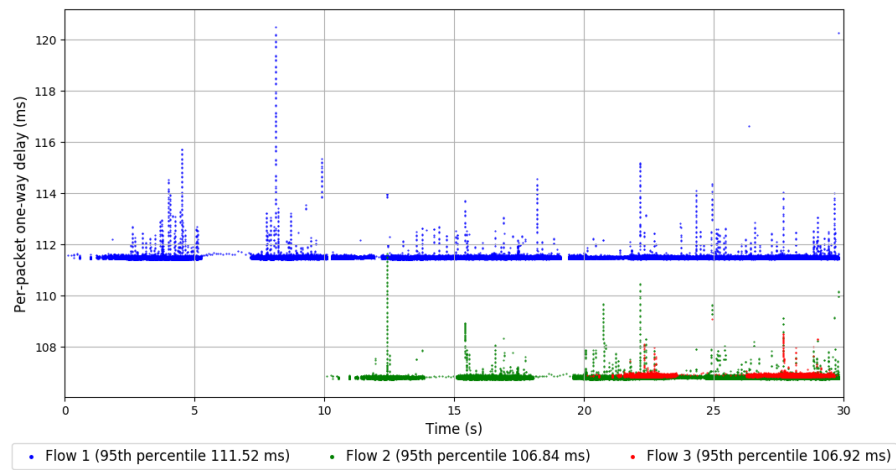
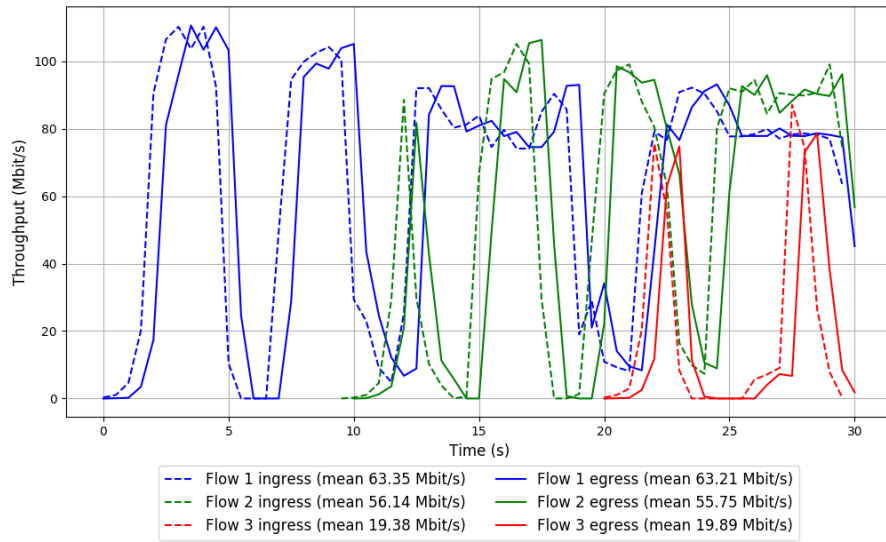


Run 2: Statistics of QUIC Cubic

Start at: 2019-09-18 04:54:36
End at: 2019-09-18 04:55:06
Local clock offset: 0.102 ms
Remote clock offset: -0.199 ms

```
# Below is generated by plot.py at 2019-09-18 09:51:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 106.64 Mbit/s
95th percentile per-packet one-way delay: 111.504 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 63.21 Mbit/s
95th percentile per-packet one-way delay: 111.515 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 55.75 Mbit/s
95th percentile per-packet one-way delay: 106.838 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 106.918 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

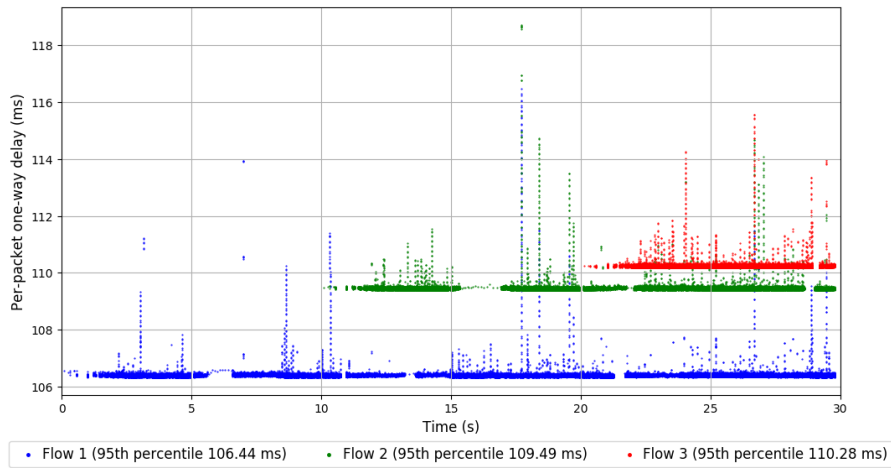
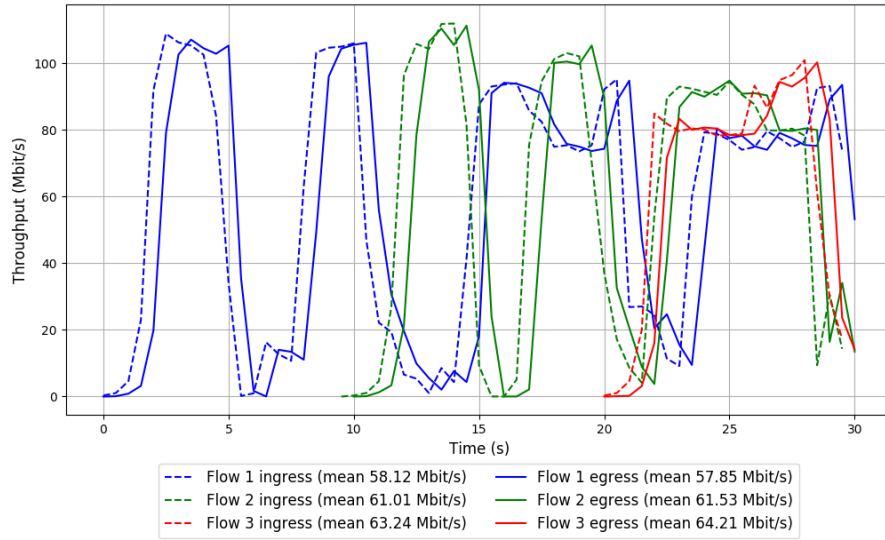


Run 3: Statistics of QUIC Cubic

Start at: 2019-09-18 05:37:51
End at: 2019-09-18 05:38:21
Local clock offset: 0.082 ms
Remote clock offset: -0.504 ms

```
# Below is generated by plot.py at 2019-09-18 09:51:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 119.57 Mbit/s
95th percentile per-packet one-way delay: 110.239 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 57.85 Mbit/s
95th percentile per-packet one-way delay: 106.441 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 61.53 Mbit/s
95th percentile per-packet one-way delay: 109.494 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 64.21 Mbit/s
95th percentile per-packet one-way delay: 110.281 ms
Loss rate: 0.74%
```

Run 3: Report of QUIC Cubic — Data Link

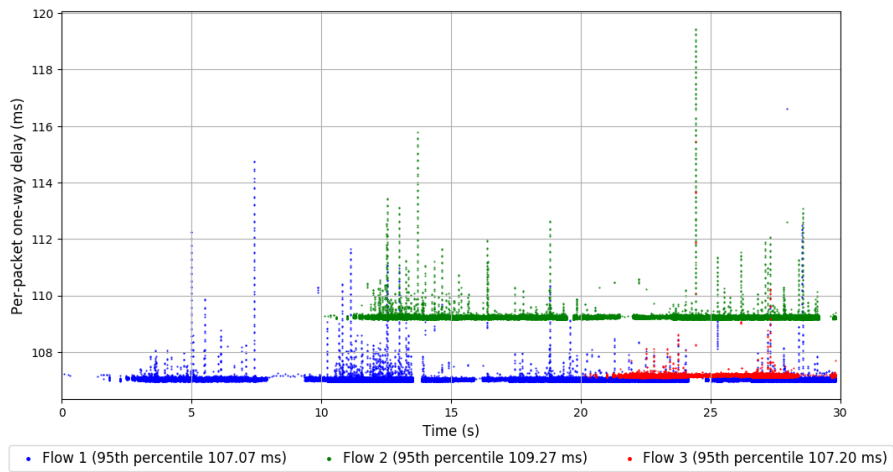
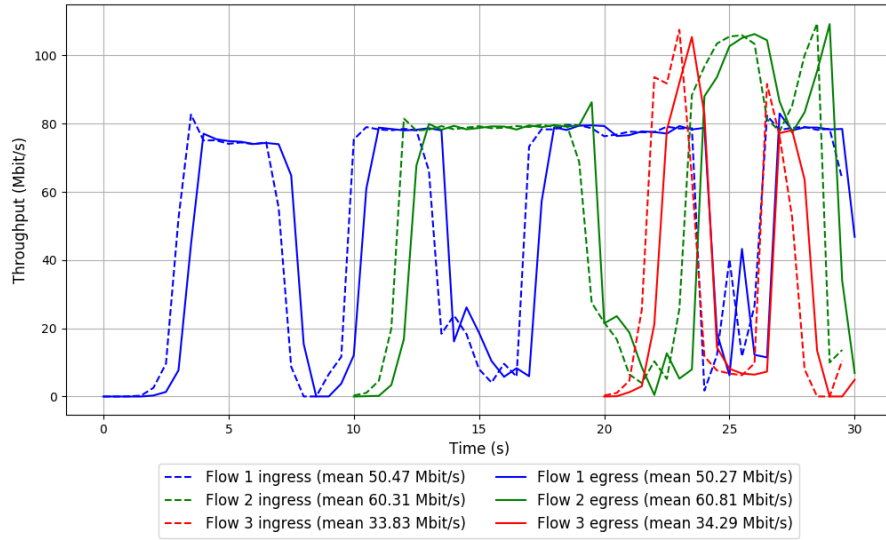


Run 4: Statistics of QUIC Cubic

Start at: 2019-09-18 06:21:14
End at: 2019-09-18 06:21:44
Local clock offset: 0.125 ms
Remote clock offset: -0.192 ms

```
# Below is generated by plot.py at 2019-09-18 09:51:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 101.76 Mbit/s
95th percentile per-packet one-way delay: 109.244 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 107.069 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 60.81 Mbit/s
95th percentile per-packet one-way delay: 109.268 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: 107.197 ms
Loss rate: 0.84%
```

Run 4: Report of QUIC Cubic — Data Link

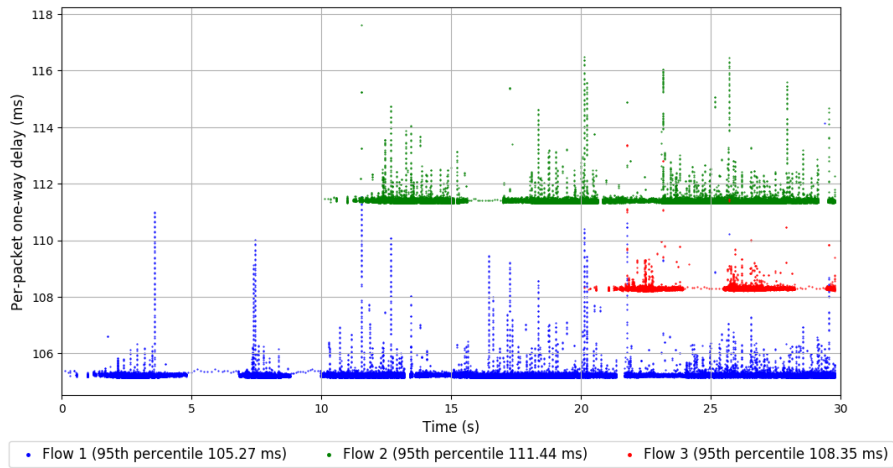
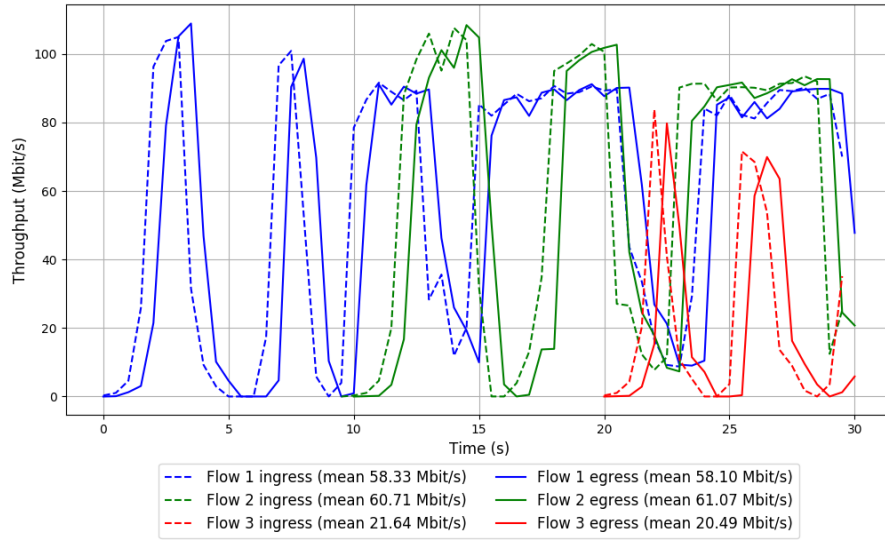


Run 5: Statistics of QUIC Cubic

Start at: 2019-09-18 07:04:35
End at: 2019-09-18 07:05:05
Local clock offset: -0.675 ms
Remote clock offset: -0.057 ms

```
# Below is generated by plot.py at 2019-09-18 09:51:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 105.25 Mbit/s
95th percentile per-packet one-way delay: 111.410 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 105.271 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 61.07 Mbit/s
95th percentile per-packet one-way delay: 111.440 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 20.49 Mbit/s
95th percentile per-packet one-way delay: 108.353 ms
Loss rate: 7.40%
```

Run 5: Report of QUIC Cubic — Data Link

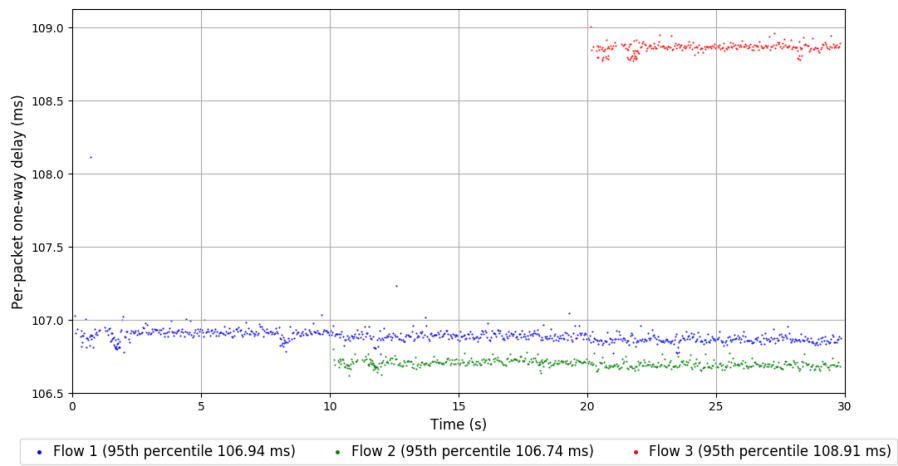
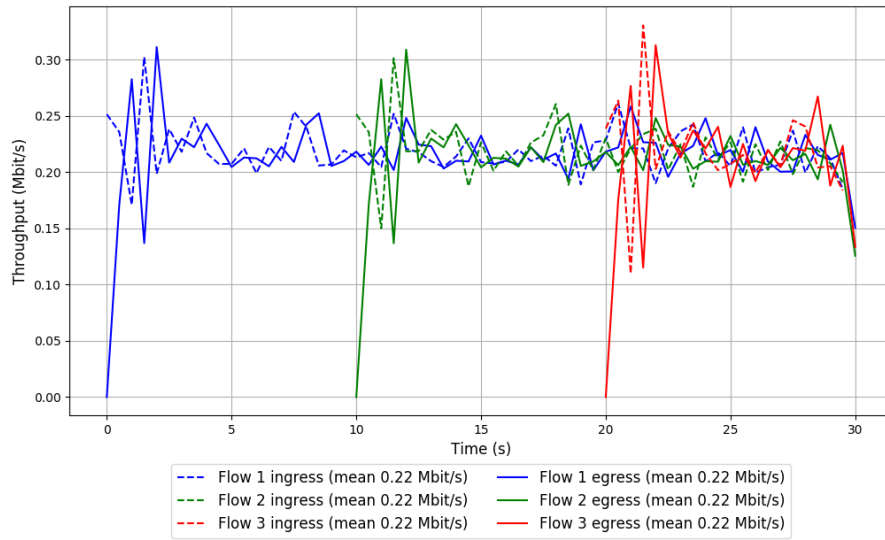


Run 1: Statistics of SCReAM

Start at: 2019-09-18 03:39:23
End at: 2019-09-18 03:39:53
Local clock offset: -0.121 ms
Remote clock offset: -0.156 ms

```
# Below is generated by plot.py at 2019-09-18 09:51:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 108.874 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.944 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.740 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.905 ms
Loss rate: 1.87%
```

Run 1: Report of SCReAM — Data Link

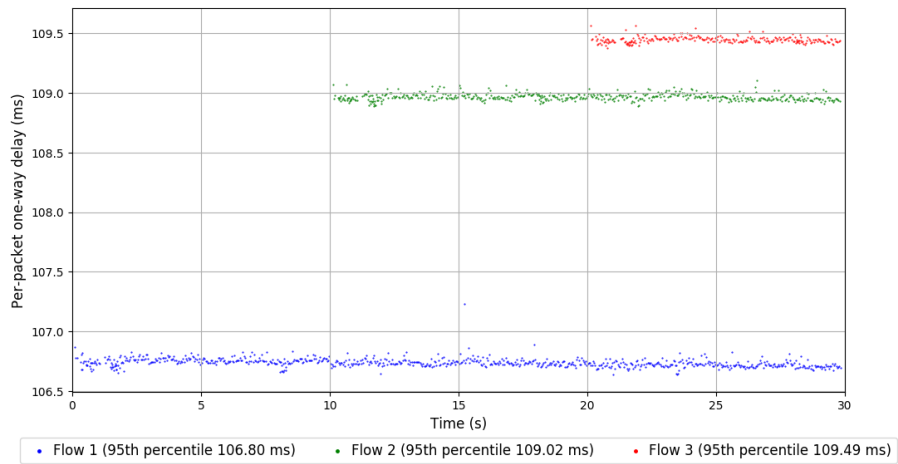
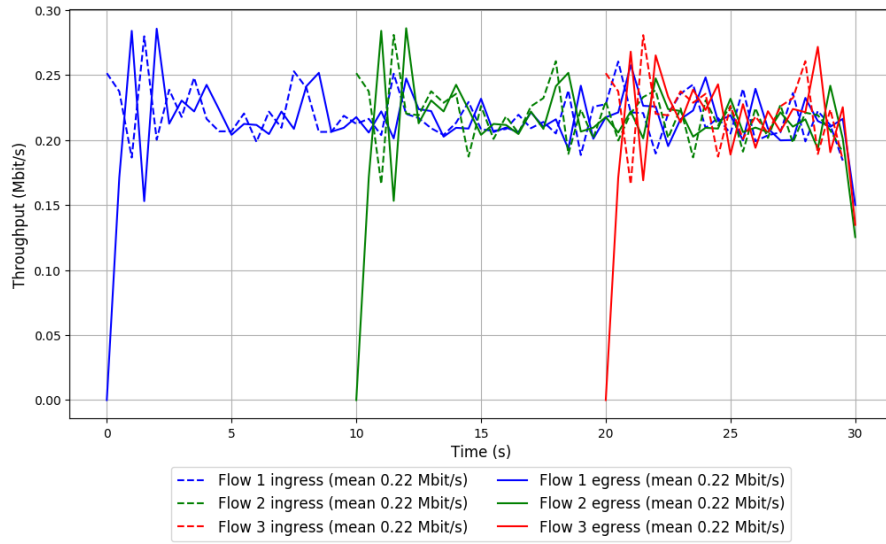


Run 2: Statistics of SCReAM

Start at: 2019-09-18 04:22:37
End at: 2019-09-18 04:23:07
Local clock offset: -0.047 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-09-18 09:51:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.454 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.797 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.022 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.492 ms
Loss rate: 2.22%

Run 2: Report of SCReAM — Data Link

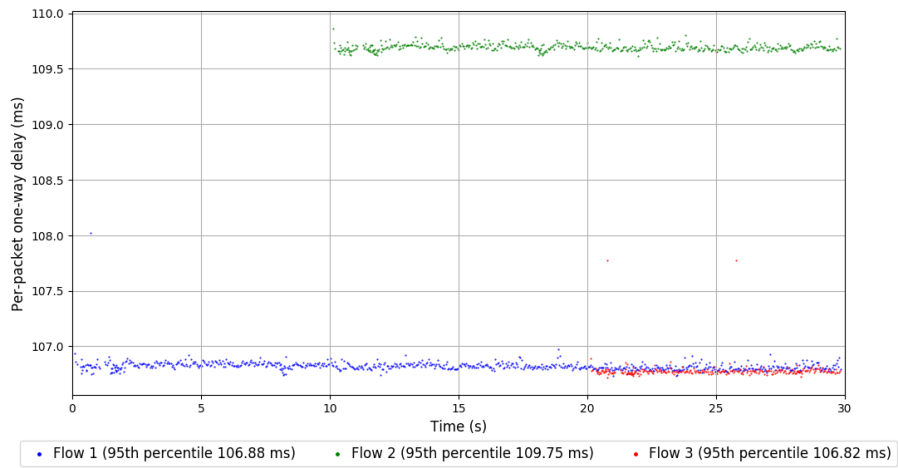
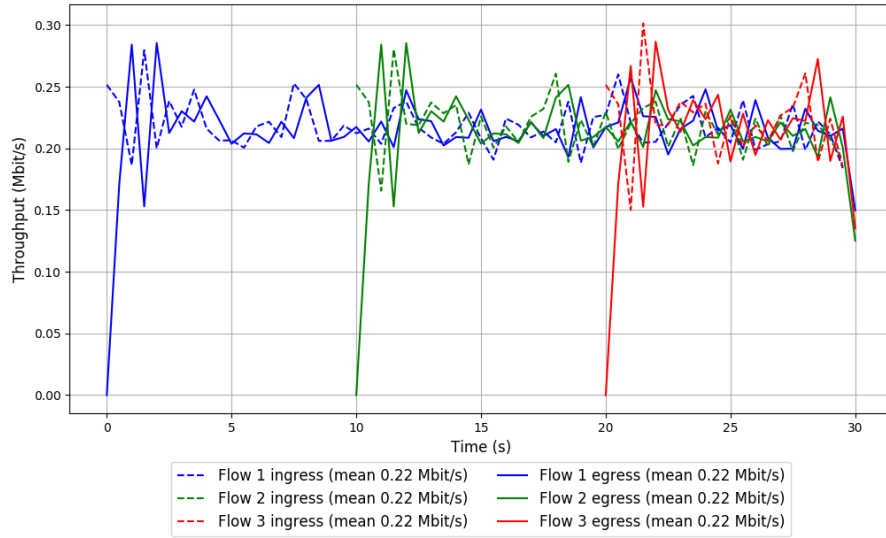


Run 3: Statistics of SCReAM

Start at: 2019-09-18 05:05:48
End at: 2019-09-18 05:06:18
Local clock offset: -0.266 ms
Remote clock offset: -0.277 ms

```
# Below is generated by plot.py at 2019-09-18 09:51:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.723 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.875 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.749 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.817 ms
Loss rate: 2.23%
```

Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-09-18 05:48:58

End at: 2019-09-18 05:49:28

Local clock offset: 0.121 ms

Remote clock offset: 0.196 ms

Below is generated by plot.py at 2019-09-18 09:51:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 106.836 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 106.850 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 106.700 ms

Loss rate: 1.04%

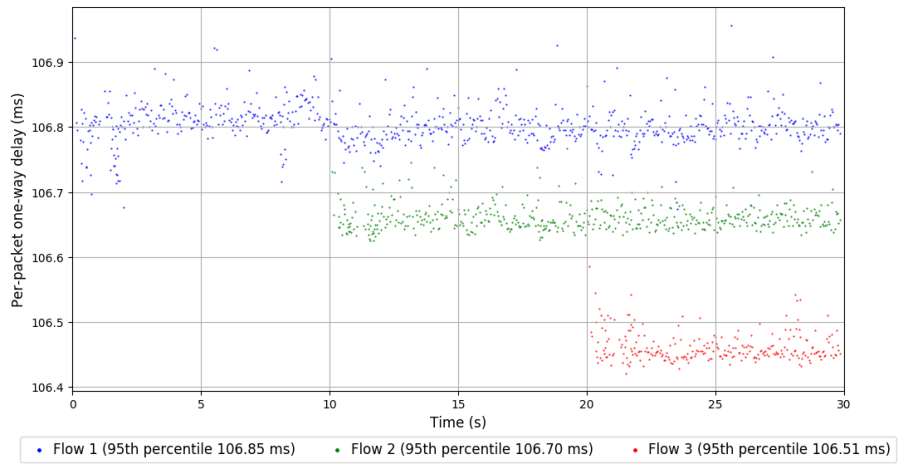
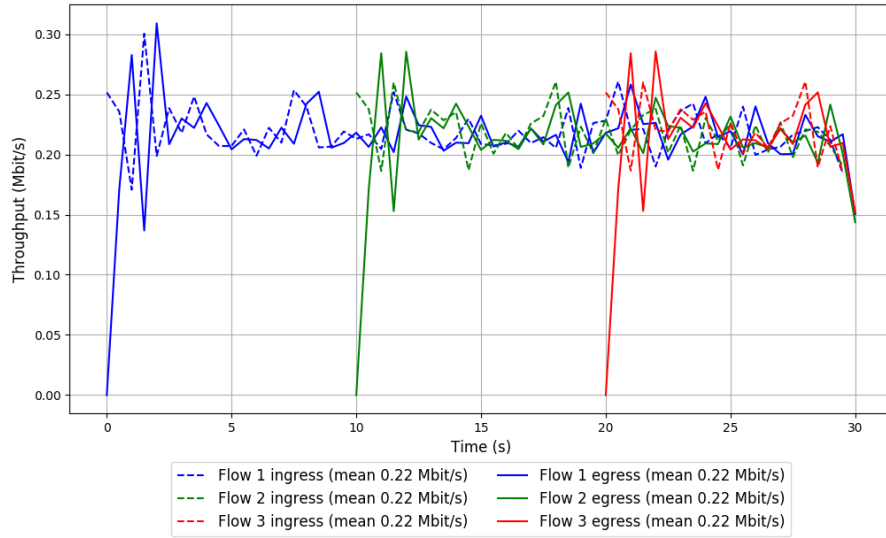
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 106.509 ms

Loss rate: 1.85%

Run 4: Report of SCReAM — Data Link

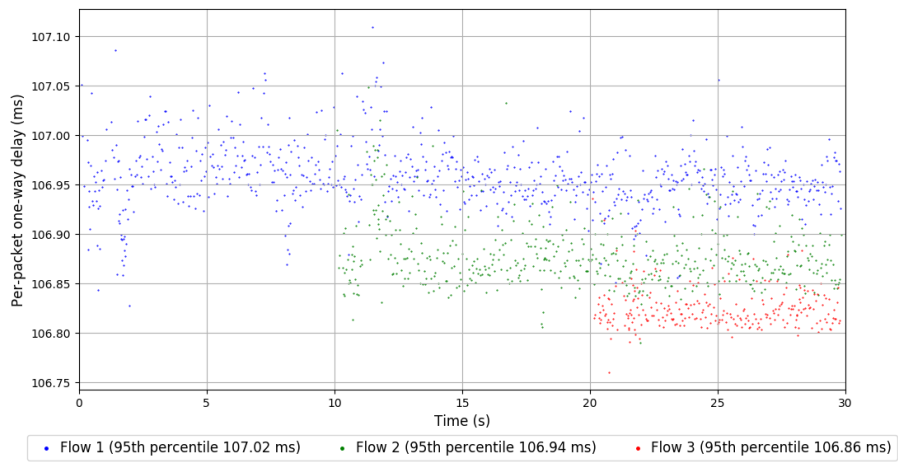
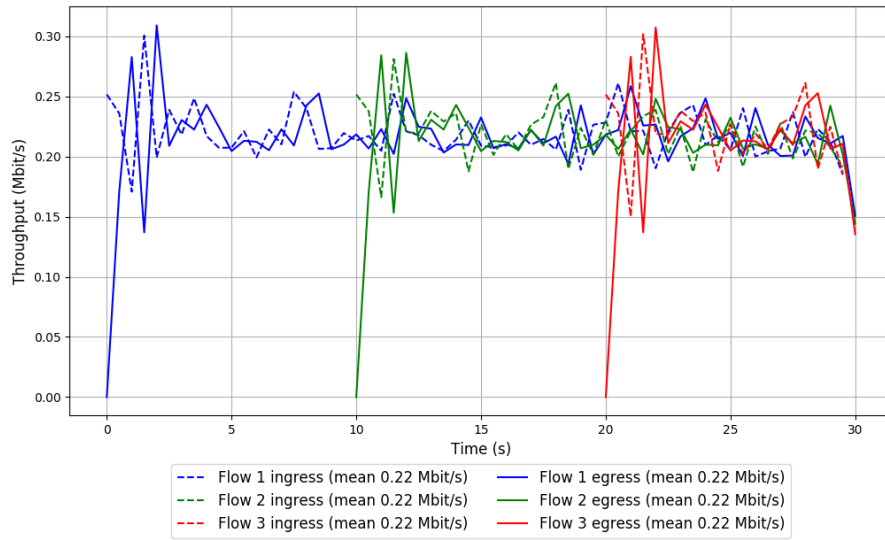


Run 5: Statistics of SCReAM

Start at: 2019-09-18 06:32:22
End at: 2019-09-18 06:32:52
Local clock offset: -0.002 ms
Remote clock offset: -0.174 ms

```
# Below is generated by plot.py at 2019-09-18 09:51:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 106.998 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.017 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.940 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.862 ms
Loss rate: 2.23%
```

Run 5: Report of SCReAM — Data Link

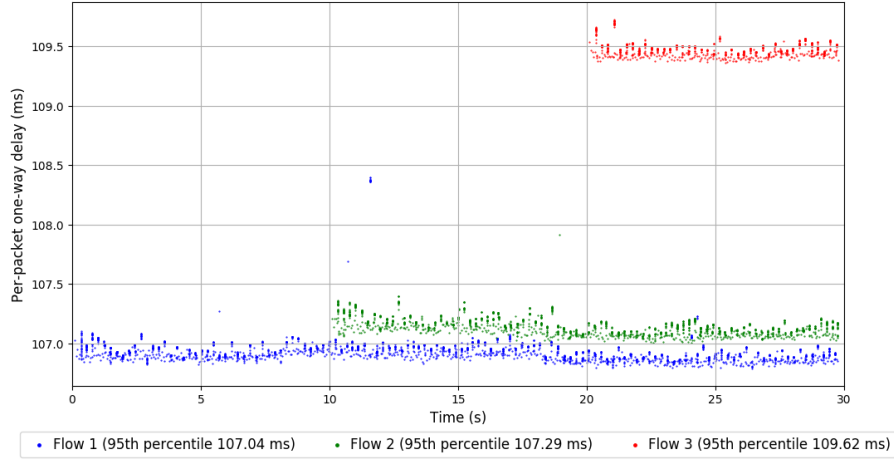
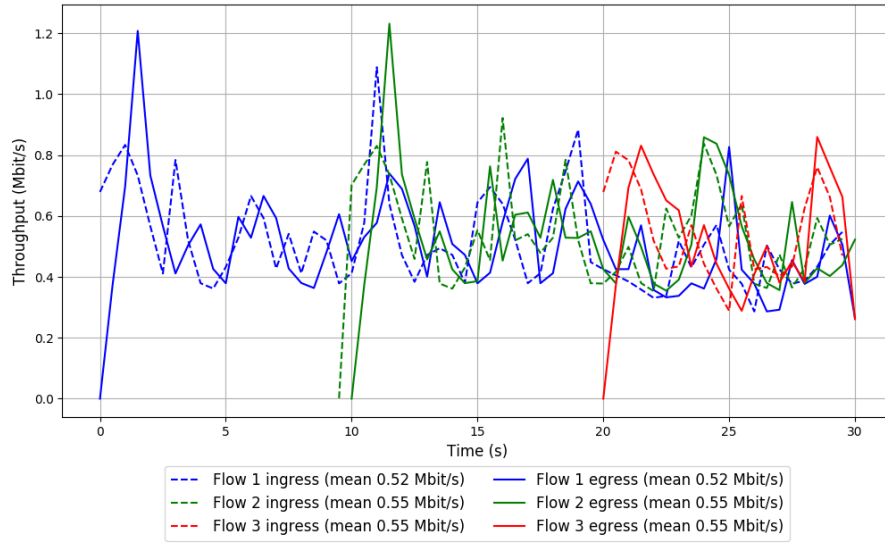


Run 1: Statistics of Sprout

Start at: 2019-09-18 03:58:58
End at: 2019-09-18 03:59:28
Local clock offset: -0.039 ms
Remote clock offset: -0.248 ms

```
# Below is generated by plot.py at 2019-09-18 09:51:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 109.503 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 107.042 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 107.291 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 109.621 ms
Loss rate: 1.95%
```

Run 1: Report of Sprout — Data Link

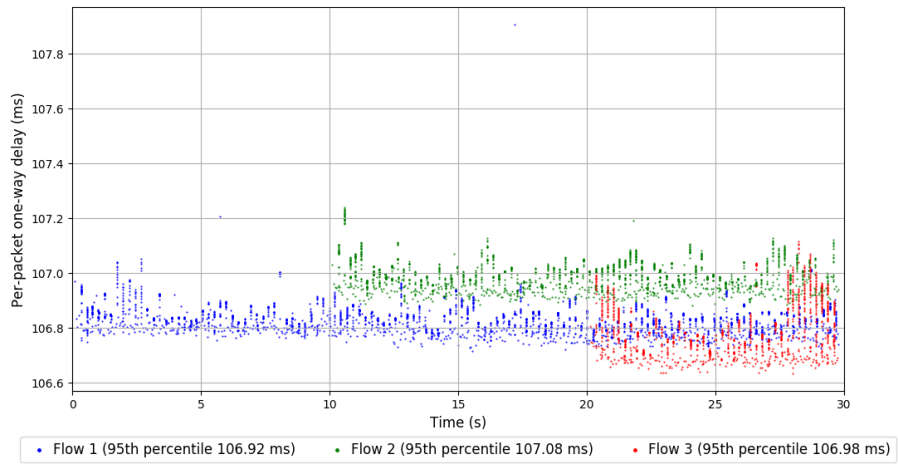
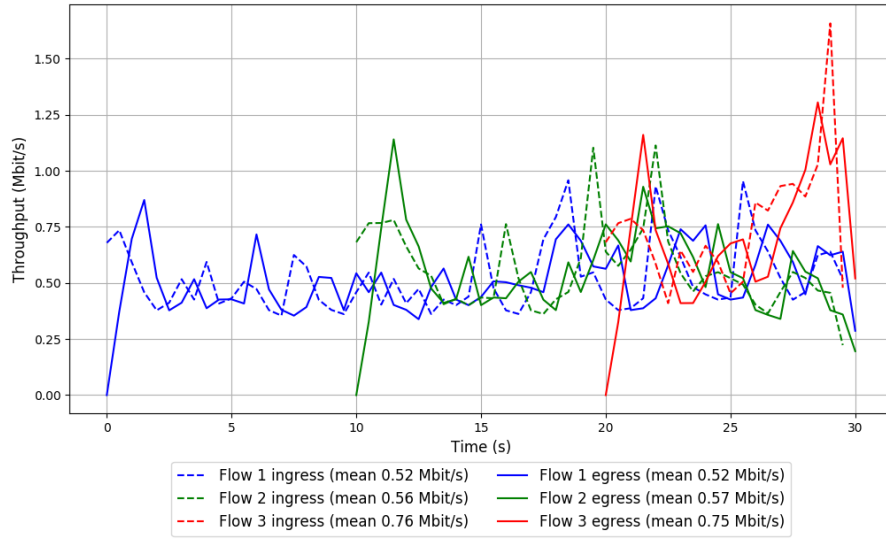


Run 2: Statistics of Sprout

Start at: 2019-09-18 04:42:03
End at: 2019-09-18 04:42:33
Local clock offset: -0.007 ms
Remote clock offset: -0.218 ms

```
# Below is generated by plot.py at 2019-09-18 09:51:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 107.045 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 106.922 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 107.081 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 106.985 ms
Loss rate: 3.16%
```

Run 2: Report of Sprout — Data Link

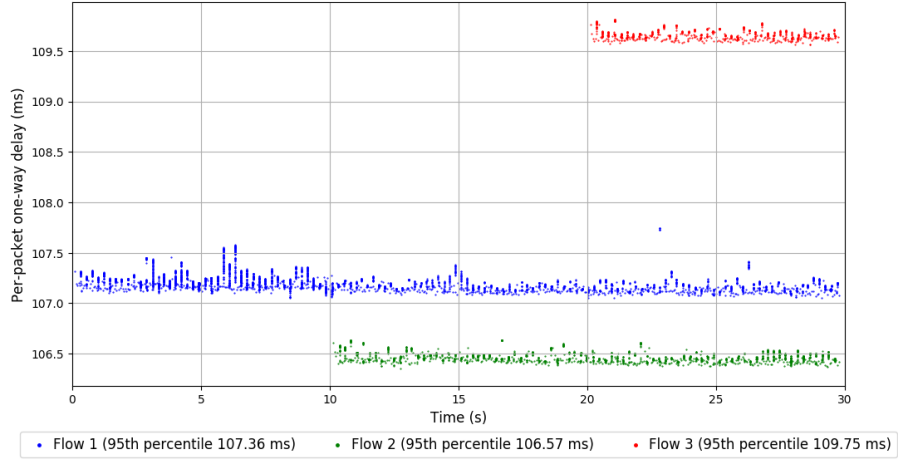
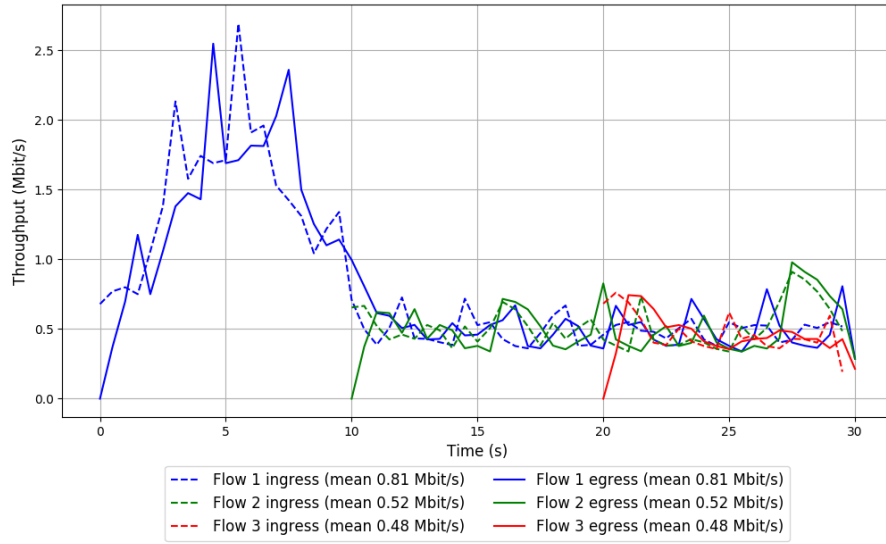


Run 3: Statistics of Sprout

Start at: 2019-09-18 05:25:16
End at: 2019-09-18 05:25:46
Local clock offset: 0.015 ms
Remote clock offset: -0.564 ms

```
# Below is generated by plot.py at 2019-09-18 09:51:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 109.668 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 107.359 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 106.570 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 109.754 ms
Loss rate: 2.00%
```

Run 3: Report of Sprout — Data Link

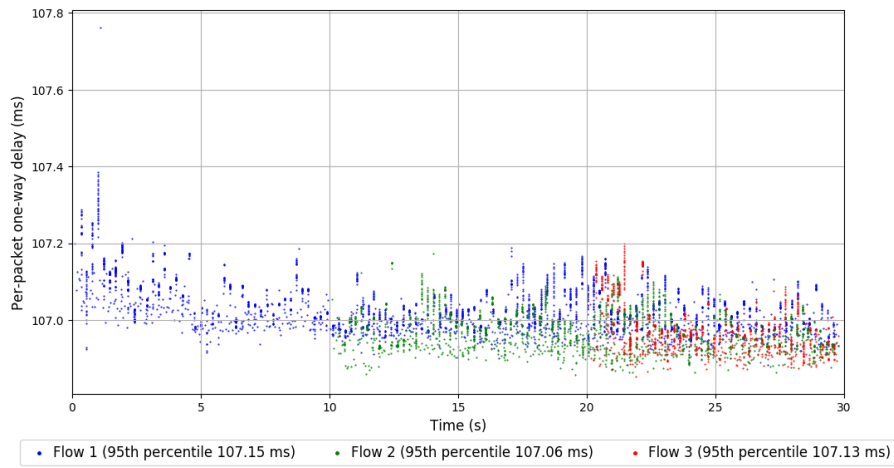
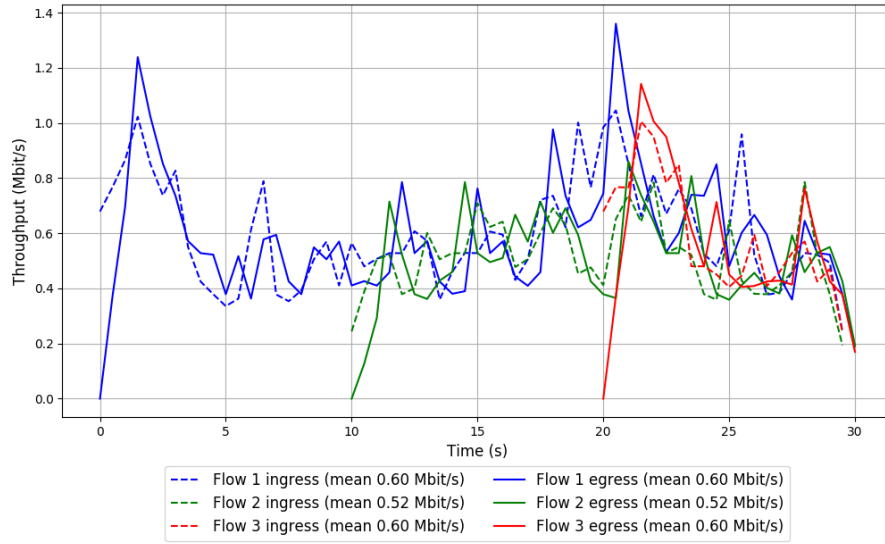


Run 4: Statistics of Sprout

Start at: 2019-09-18 06:08:50
End at: 2019-09-18 06:09:20
Local clock offset: -0.065 ms
Remote clock offset: -0.196 ms

```
# Below is generated by plot.py at 2019-09-18 09:51:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 107.133 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 107.154 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 107.061 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 107.132 ms
Loss rate: 1.42%
```

Run 4: Report of Sprout — Data Link

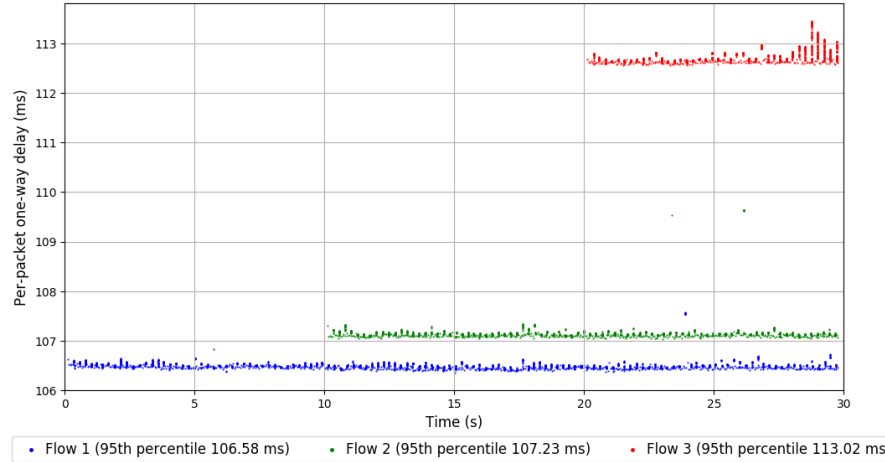
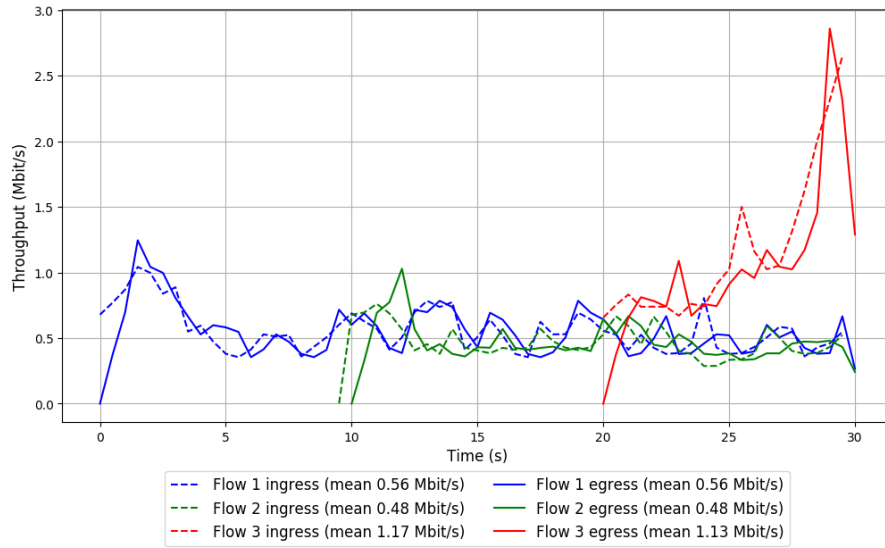


Run 5: Statistics of Sprout

Start at: 2019-09-18 06:51:58
End at: 2019-09-18 06:52:28
Local clock offset: -0.001 ms
Remote clock offset: -0.523 ms

```
# Below is generated by plot.py at 2019-09-18 09:51:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 112.850 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 106.578 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 107.226 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 113.022 ms
Loss rate: 5.87%
```

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-09-18 04:04:09
End at: 2019-09-18 04:04:39
Local clock offset: -0.498 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2019-09-18 09:57:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 401.18 Mbit/s
95th percentile per-packet one-way delay: 108.775 ms
Loss rate: 1.19%

-- Flow 1:

Average throughput: 204.89 Mbit/s
95th percentile per-packet one-way delay: 108.990 ms
Loss rate: 0.74%

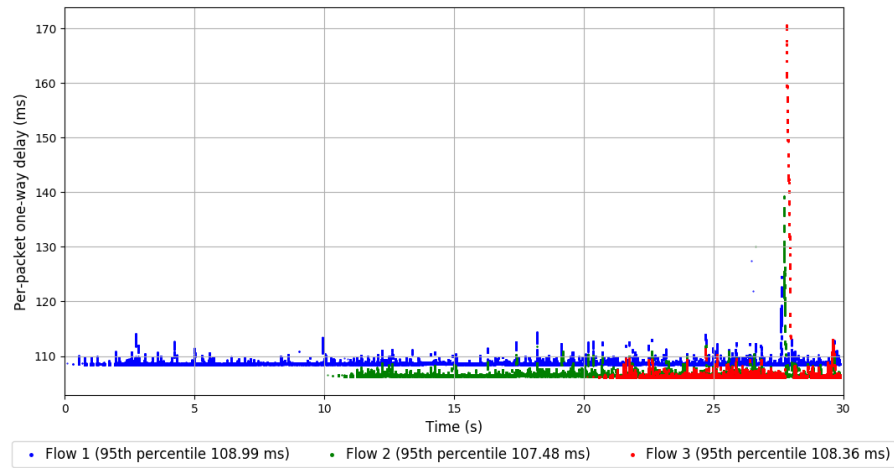
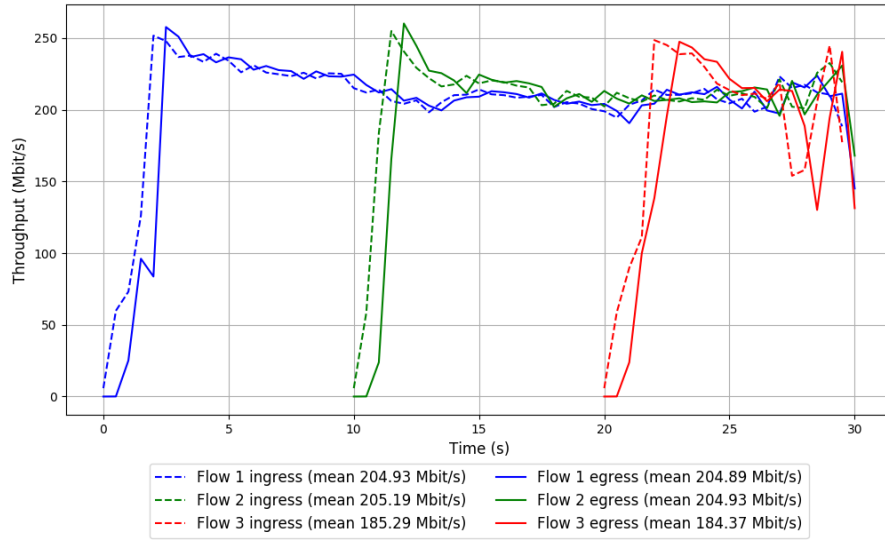
-- Flow 2:

Average throughput: 204.93 Mbit/s
95th percentile per-packet one-way delay: 107.482 ms
Loss rate: 1.21%

-- Flow 3:

Average throughput: 184.37 Mbit/s
95th percentile per-packet one-way delay: 108.364 ms
Loss rate: 2.68%

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

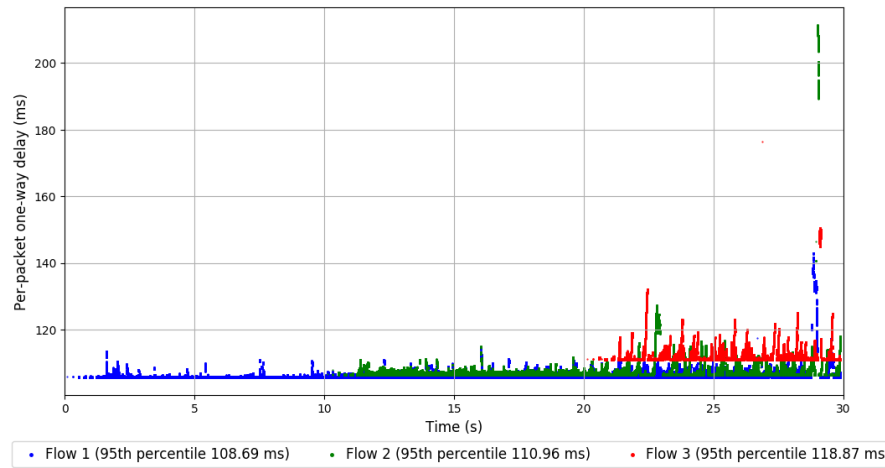
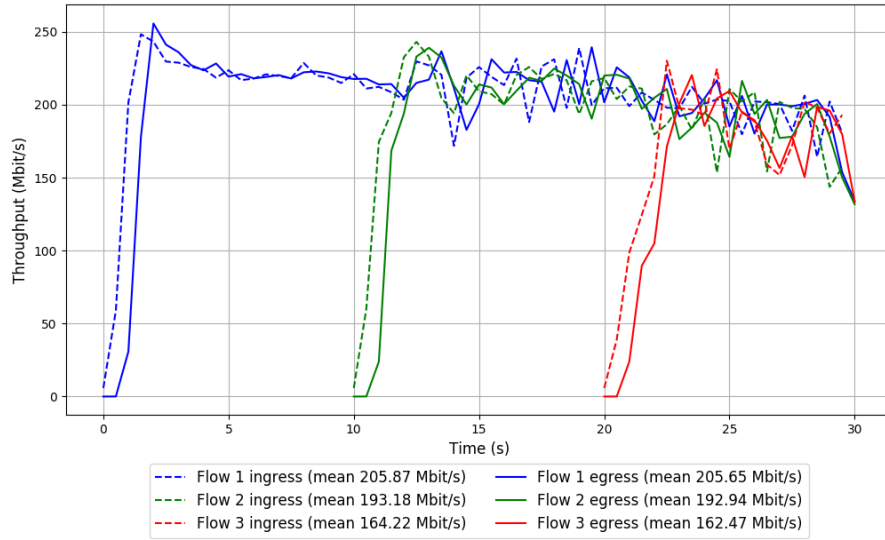


Run 2: Statistics of TaoVA-100x

Start at: 2019-09-18 04:47:19
End at: 2019-09-18 04:47:49
Local clock offset: -0.304 ms
Remote clock offset: -0.212 ms

```
# Below is generated by plot.py at 2019-09-18 09:57:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 386.81 Mbit/s
95th percentile per-packet one-way delay: 113.017 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 205.65 Mbit/s
95th percentile per-packet one-way delay: 108.688 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 192.94 Mbit/s
95th percentile per-packet one-way delay: 110.958 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 162.47 Mbit/s
95th percentile per-packet one-way delay: 118.867 ms
Loss rate: 3.27%
```

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

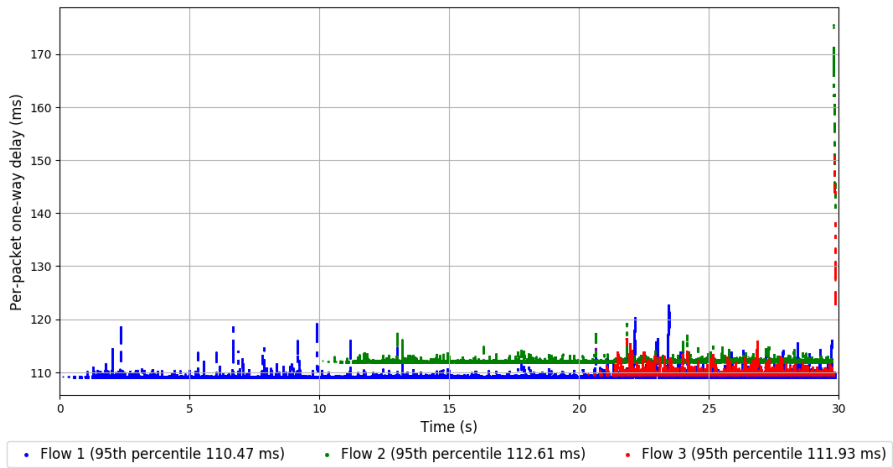
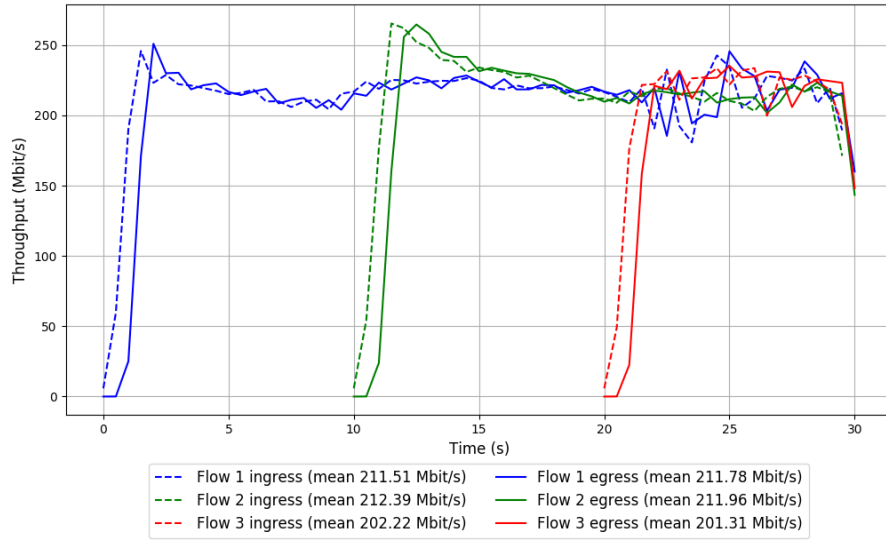


Run 3: Statistics of TaoVA-100x

Start at: 2019-09-18 05:30:30
End at: 2019-09-18 05:31:00
Local clock offset: 0.004 ms
Remote clock offset: -0.197 ms

```
# Below is generated by plot.py at 2019-09-18 09:58:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 418.23 Mbit/s
95th percentile per-packet one-way delay: 112.280 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 211.78 Mbit/s
95th percentile per-packet one-way delay: 110.466 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 211.96 Mbit/s
95th percentile per-packet one-way delay: 112.608 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 201.31 Mbit/s
95th percentile per-packet one-way delay: 111.929 ms
Loss rate: 2.27%
```

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

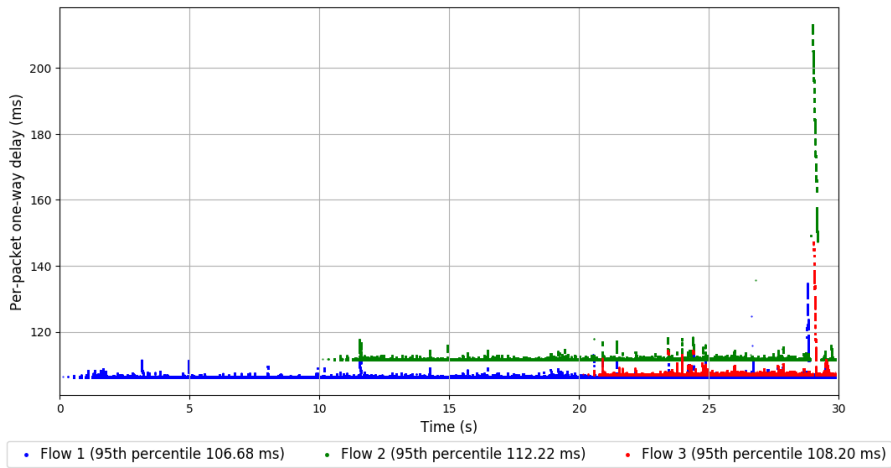
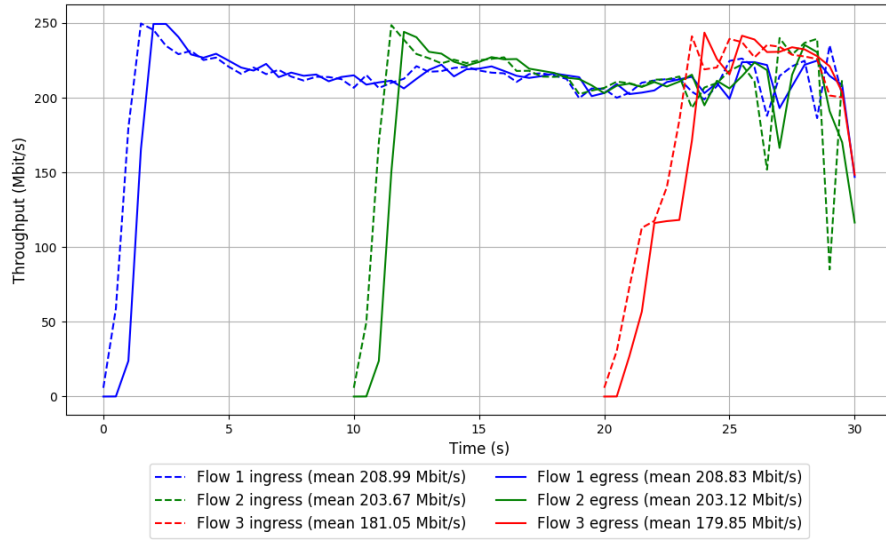


Run 4: Statistics of TaoVA-100x

Start at: 2019-09-18 06:14:00
End at: 2019-09-18 06:14:30
Local clock offset: 0.009 ms
Remote clock offset: -0.293 ms

```
# Below is generated by plot.py at 2019-09-18 09:58:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 402.41 Mbit/s
95th percentile per-packet one-way delay: 111.762 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 208.83 Mbit/s
95th percentile per-packet one-way delay: 106.683 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 203.12 Mbit/s
95th percentile per-packet one-way delay: 112.225 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 179.85 Mbit/s
95th percentile per-packet one-way delay: 108.197 ms
Loss rate: 2.82%
```

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

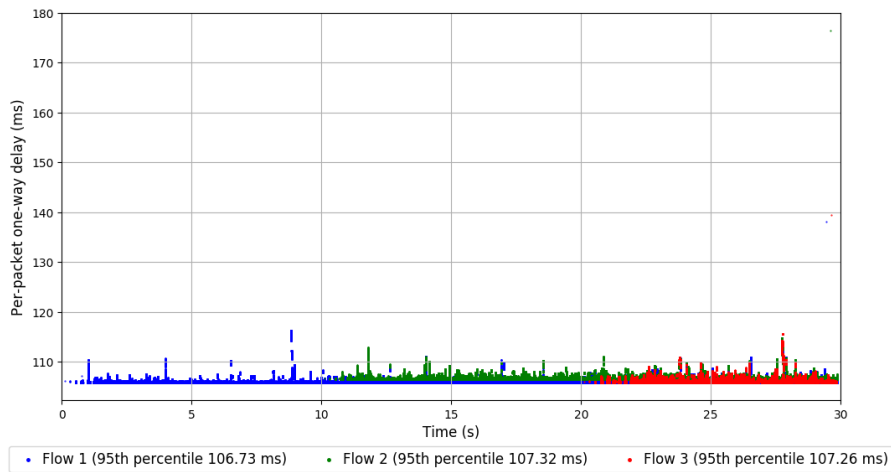
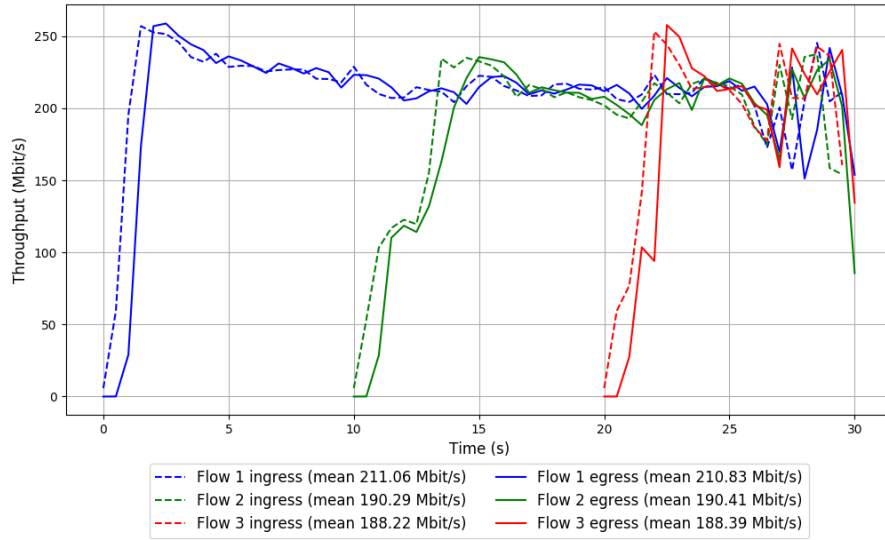


Run 5: Statistics of TaoVA-100x

Start at: 2019-09-18 06:57:14
End at: 2019-09-18 06:57:44
Local clock offset: -0.086 ms
Remote clock offset: -0.133 ms

```
# Below is generated by plot.py at 2019-09-18 09:58:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.71 Mbit/s
95th percentile per-packet one-way delay: 107.073 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 210.83 Mbit/s
95th percentile per-packet one-way delay: 106.734 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 190.41 Mbit/s
95th percentile per-packet one-way delay: 107.319 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 188.39 Mbit/s
95th percentile per-packet one-way delay: 107.257 ms
Loss rate: 2.04%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2019-09-18 03:44:02
End at: 2019-09-18 03:44:32
Local clock offset: 0.105 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2019-09-18 09:59:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 699.48 Mbit/s
95th percentile per-packet one-way delay: 126.495 ms
Loss rate: 1.16%

-- Flow 1:

Average throughput: 389.85 Mbit/s
95th percentile per-packet one-way delay: 114.965 ms
Loss rate: 0.56%

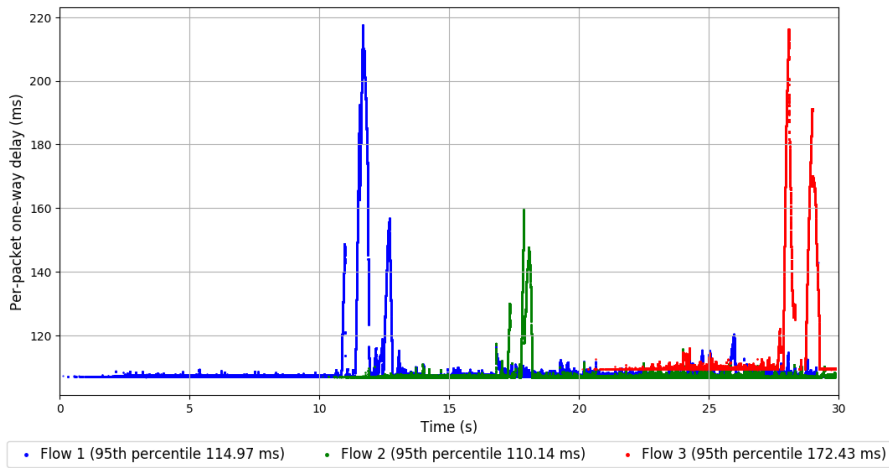
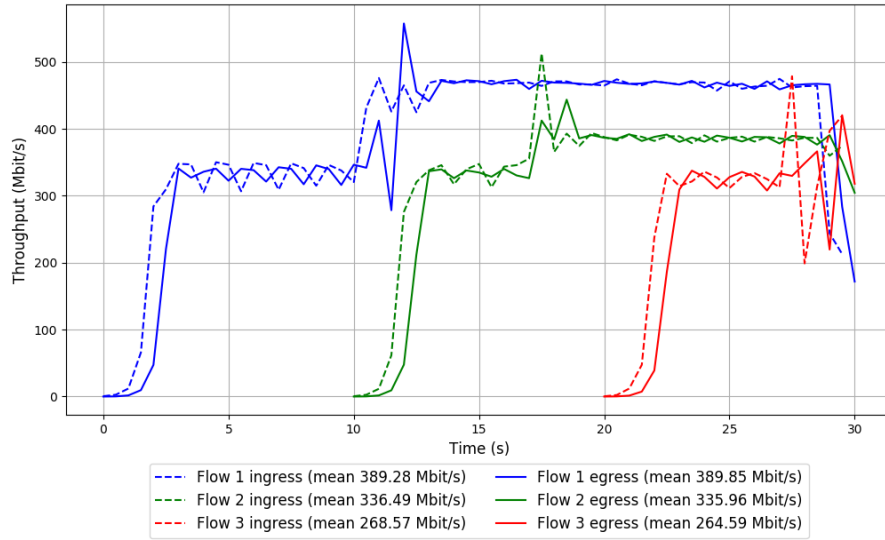
-- Flow 2:

Average throughput: 335.96 Mbit/s
95th percentile per-packet one-way delay: 110.143 ms
Loss rate: 1.22%

-- Flow 3:

Average throughput: 264.59 Mbit/s
95th percentile per-packet one-way delay: 172.426 ms
Loss rate: 3.64%

Run 1: Report of TCP Vegas — Data Link

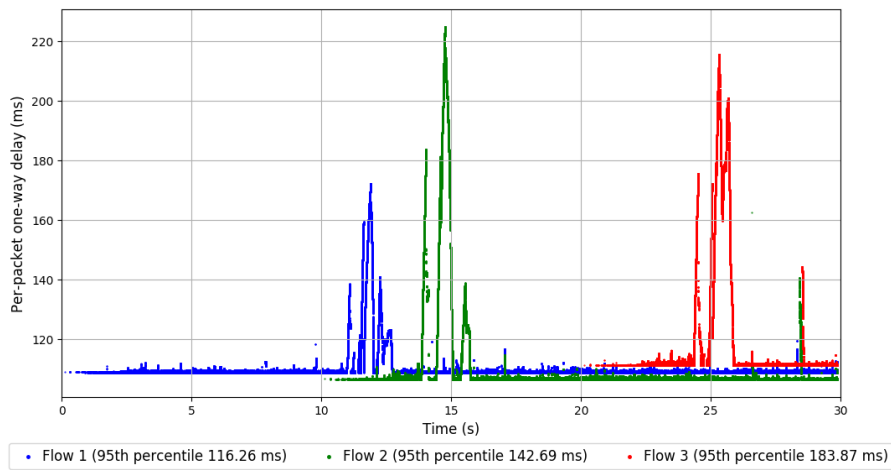
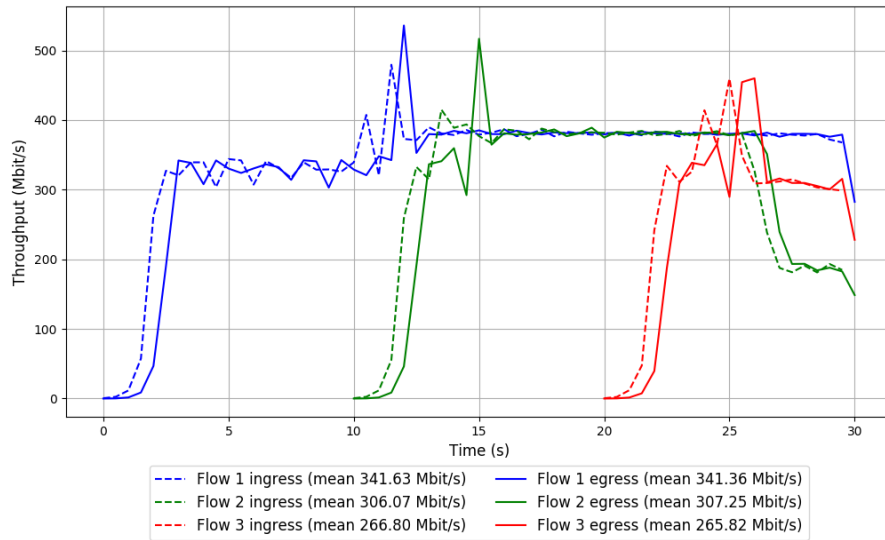


Run 2: Statistics of TCP Vegas

Start at: 2019-09-18 04:27:19
End at: 2019-09-18 04:27:49
Local clock offset: 0.138 ms
Remote clock offset: -0.158 ms

```
# Below is generated by plot.py at 2019-09-18 10:00:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 632.39 Mbit/s
95th percentile per-packet one-way delay: 138.022 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 341.36 Mbit/s
95th percentile per-packet one-way delay: 116.256 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 307.25 Mbit/s
95th percentile per-packet one-way delay: 142.694 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 265.82 Mbit/s
95th percentile per-packet one-way delay: 183.867 ms
Loss rate: 2.55%
```

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-09-18 05:10:35
End at: 2019-09-18 05:11:05
Local clock offset: 0.103 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2019-09-18 10:06:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 753.32 Mbit/s
95th percentile per-packet one-way delay: 143.780 ms
Loss rate: 1.31%

-- Flow 1:

Average throughput: 357.77 Mbit/s
95th percentile per-packet one-way delay: 128.099 ms
Loss rate: 0.79%

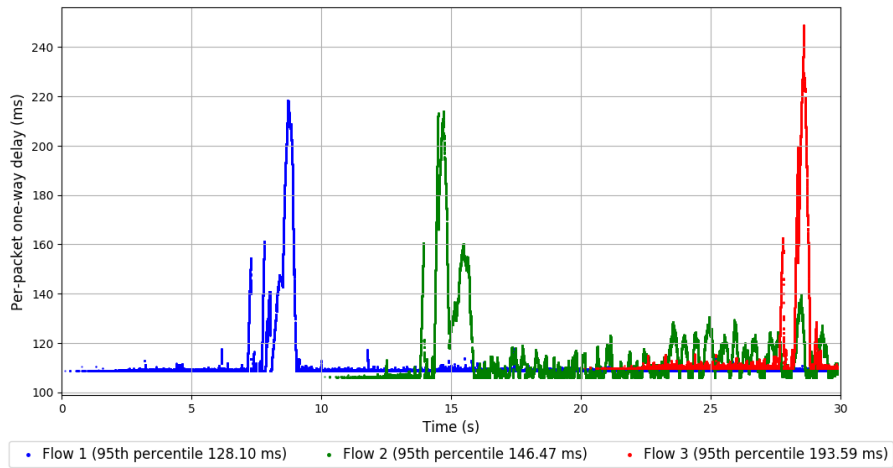
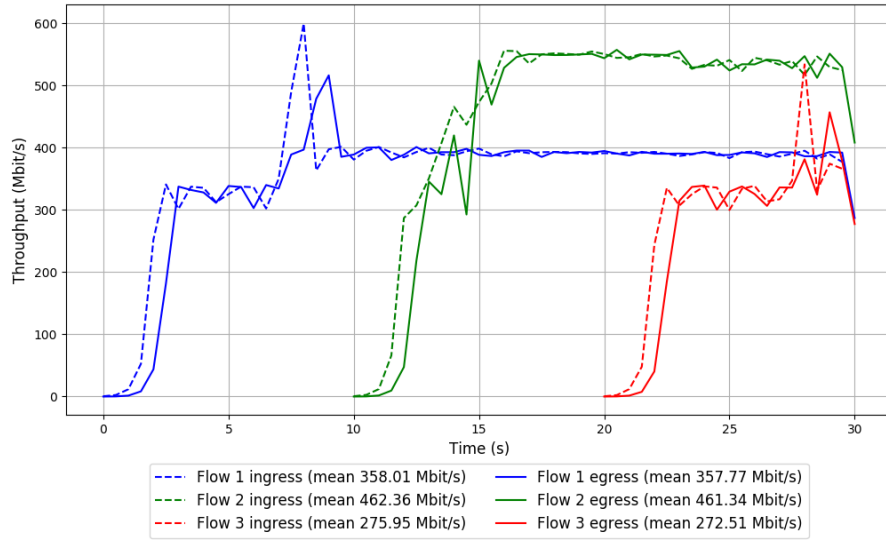
-- Flow 2:

Average throughput: 461.34 Mbit/s
95th percentile per-packet one-way delay: 146.471 ms
Loss rate: 1.28%

-- Flow 3:

Average throughput: 272.51 Mbit/s
95th percentile per-packet one-way delay: 193.589 ms
Loss rate: 3.41%

Run 3: Report of TCP Vegas — Data Link

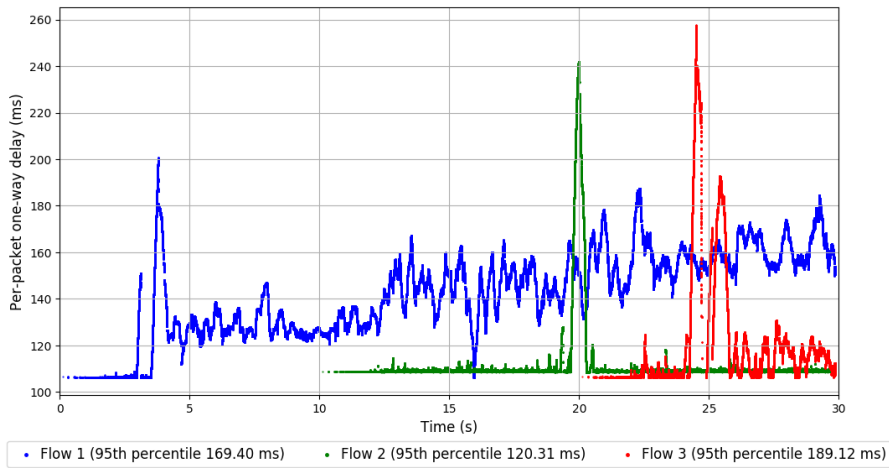
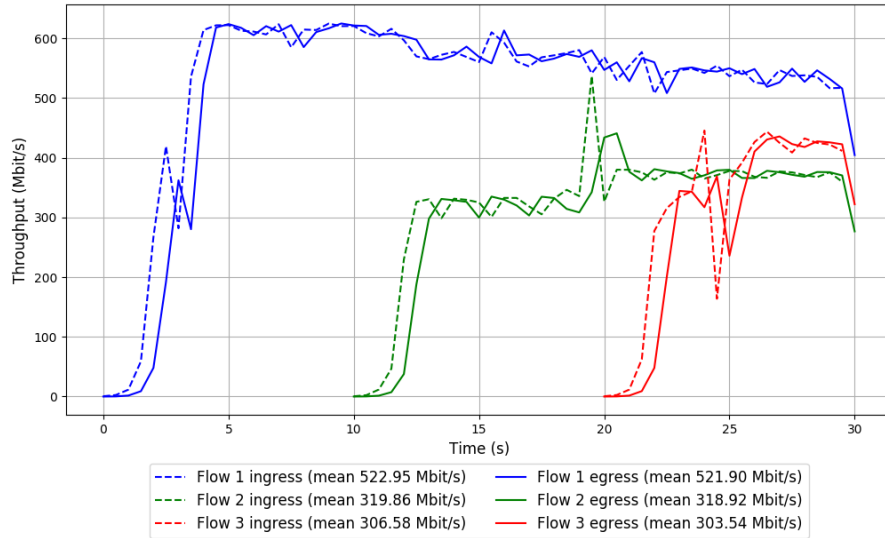


Run 4: Statistics of TCP Vegas

Start at: 2019-09-18 05:53:43
End at: 2019-09-18 05:54:13
Local clock offset: -0.044 ms
Remote clock offset: -0.546 ms

```
# Below is generated by plot.py at 2019-09-18 10:11:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 832.97 Mbit/s
95th percentile per-packet one-way delay: 169.460 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 521.90 Mbit/s
95th percentile per-packet one-way delay: 169.403 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 318.92 Mbit/s
95th percentile per-packet one-way delay: 120.309 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 303.54 Mbit/s
95th percentile per-packet one-way delay: 189.117 ms
Loss rate: 3.10%
```

Run 4: Report of TCP Vegas — Data Link

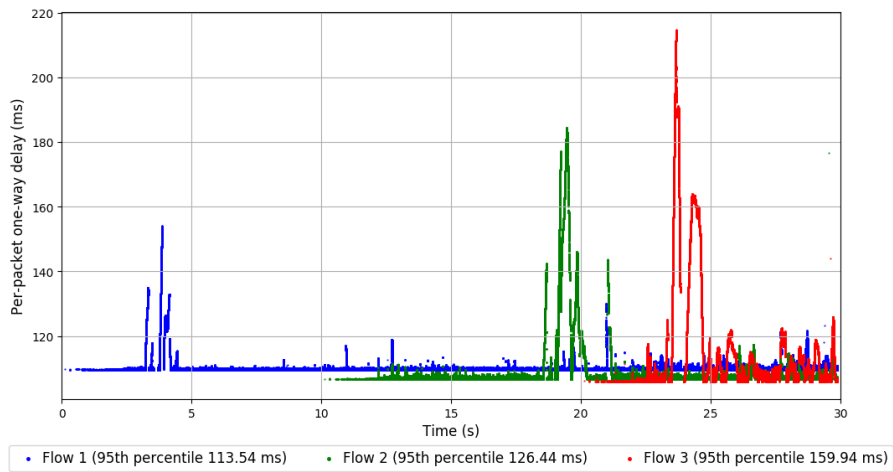
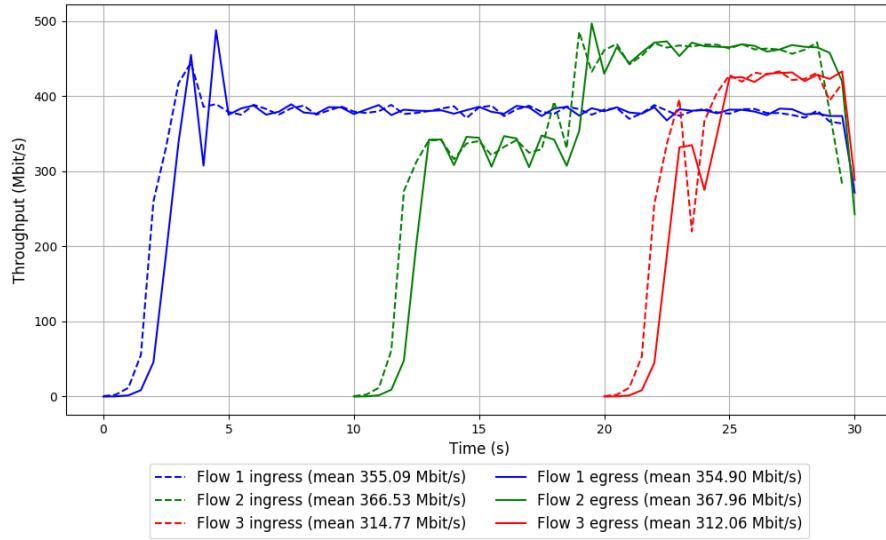


Run 5: Statistics of TCP Vegas

Start at: 2019-09-18 06:37:01
End at: 2019-09-18 06:37:31
Local clock offset: 0.003 ms
Remote clock offset: -0.159 ms

```
# Below is generated by plot.py at 2019-09-18 10:11:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 701.49 Mbit/s
95th percentile per-packet one-way delay: 121.511 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 354.90 Mbit/s
95th percentile per-packet one-way delay: 113.543 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 367.96 Mbit/s
95th percentile per-packet one-way delay: 126.442 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 312.06 Mbit/s
95th percentile per-packet one-way delay: 159.937 ms
Loss rate: 3.00%
```

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-09-18 03:42:32

End at: 2019-09-18 03:43:02

Local clock offset: -0.025 ms

Remote clock offset: -0.48 ms

Below is generated by plot.py at 2019-09-18 10:11:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 127.50 Mbit/s

95th percentile per-packet one-way delay: 140.662 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 92.53 Mbit/s

95th percentile per-packet one-way delay: 125.122 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.69 Mbit/s

95th percentile per-packet one-way delay: 149.809 ms

Loss rate: 0.13%

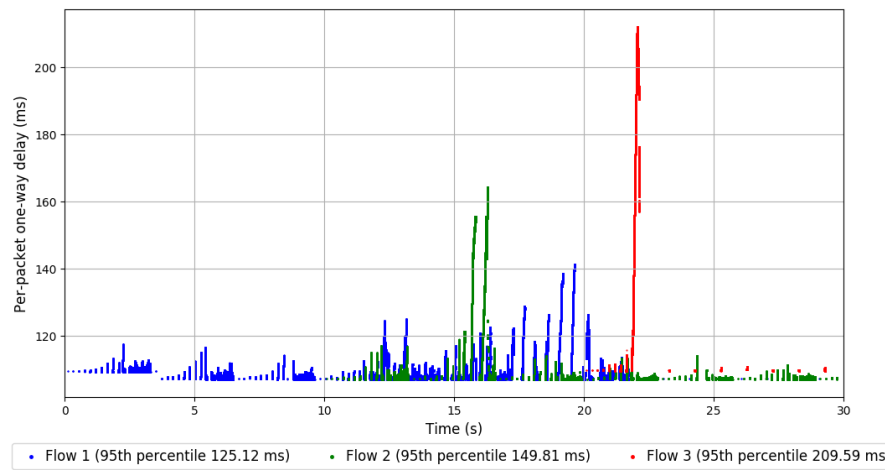
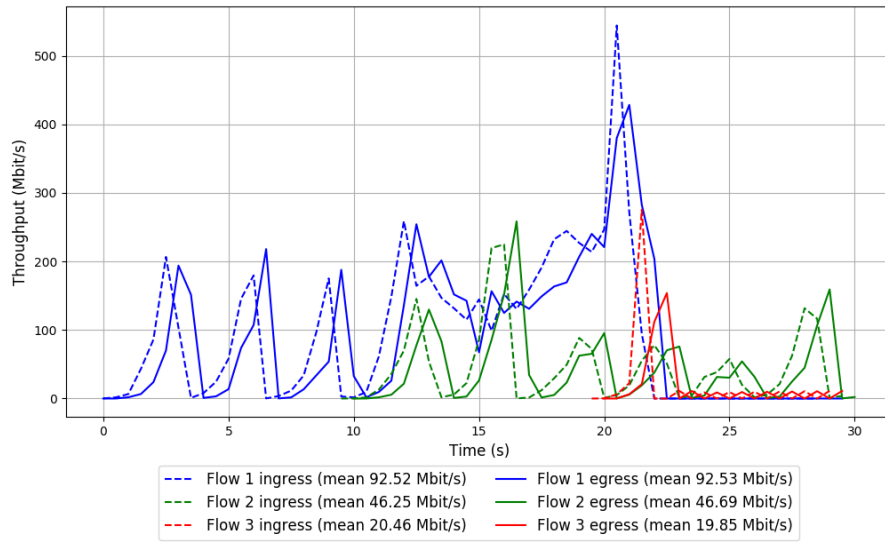
-- Flow 3:

Average throughput: 19.85 Mbit/s

95th percentile per-packet one-way delay: 209.593 ms

Loss rate: 3.02%

Run 1: Report of Verus — Data Link

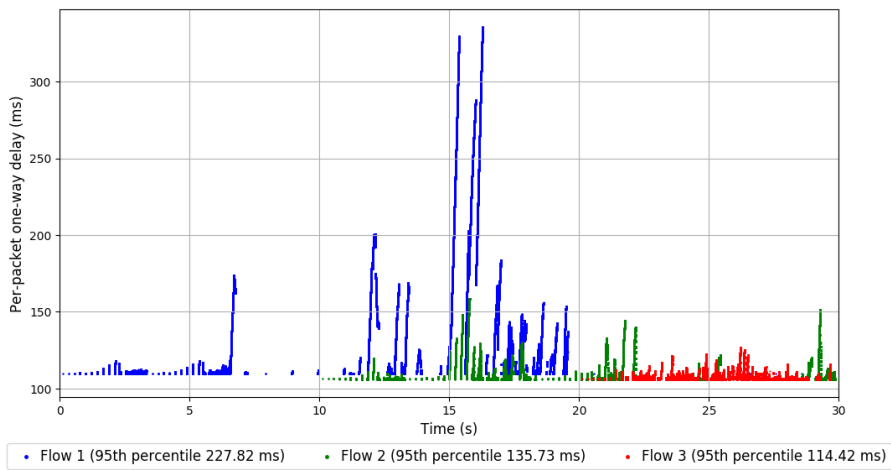
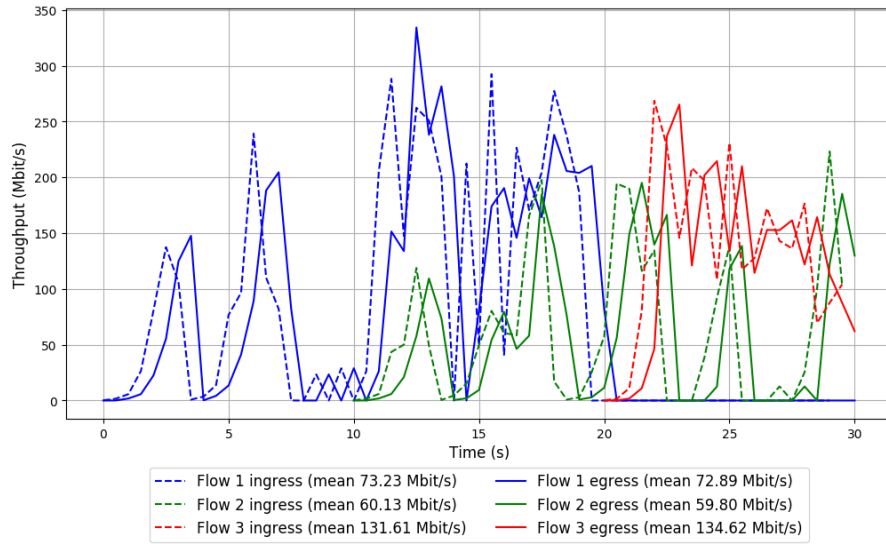


Run 2: Statistics of Verus

Start at: 2019-09-18 04:25:47
End at: 2019-09-18 04:26:17
Local clock offset: 0.055 ms
Remote clock offset: -0.173 ms

```
# Below is generated by plot.py at 2019-09-18 10:11:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 155.15 Mbit/s
95th percentile per-packet one-way delay: 182.827 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 72.89 Mbit/s
95th percentile per-packet one-way delay: 227.824 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 59.80 Mbit/s
95th percentile per-packet one-way delay: 135.729 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 134.62 Mbit/s
95th percentile per-packet one-way delay: 114.422 ms
Loss rate: 1.61%
```

Run 2: Report of Verus — Data Link

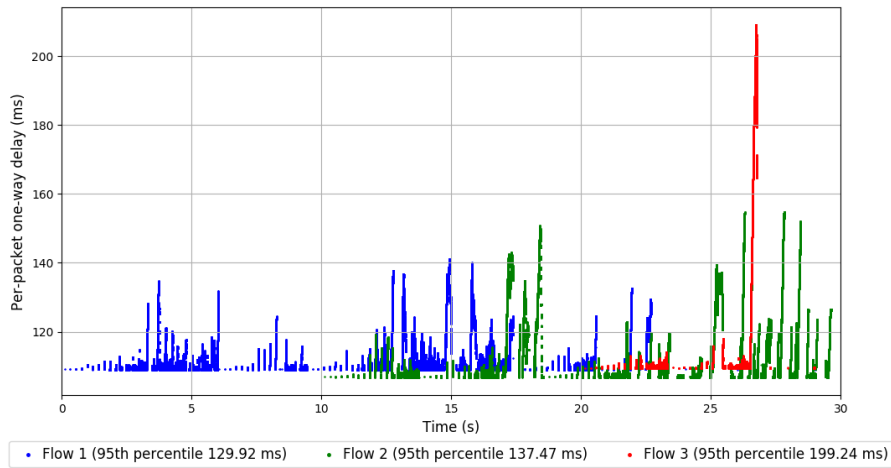
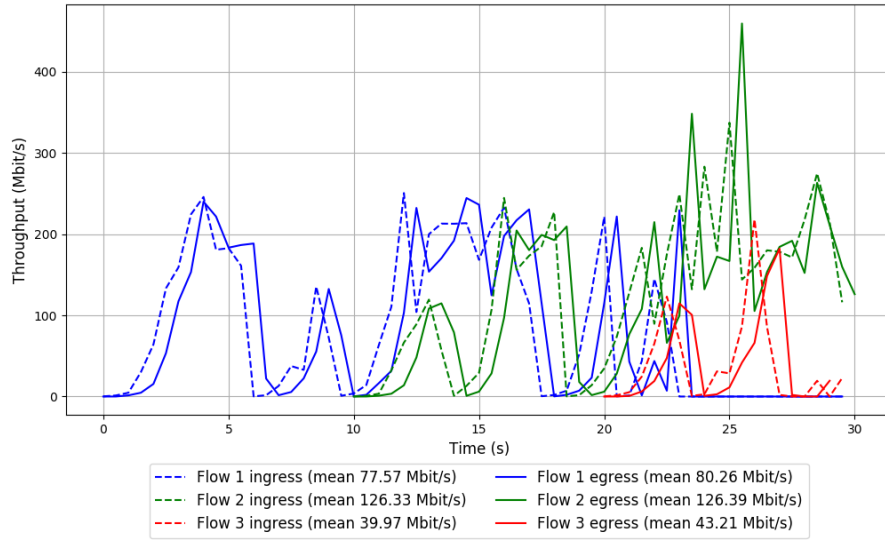


Run 3: Statistics of Verus

Start at: 2019-09-18 05:09:00
End at: 2019-09-18 05:09:30
Local clock offset: 0.038 ms
Remote clock offset: -0.292 ms

```
# Below is generated by plot.py at 2019-09-18 10:11:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 175.11 Mbit/s
95th percentile per-packet one-way delay: 136.260 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 80.26 Mbit/s
95th percentile per-packet one-way delay: 129.920 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 126.39 Mbit/s
95th percentile per-packet one-way delay: 137.470 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 199.243 ms
Loss rate: 2.90%
```

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-09-18 05:52:08

End at: 2019-09-18 05:52:38

Local clock offset: 0.012 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2019-09-18 10:11:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 191.29 Mbit/s

95th percentile per-packet one-way delay: 176.119 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 105.38 Mbit/s

95th percentile per-packet one-way delay: 193.730 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 120.04 Mbit/s

95th percentile per-packet one-way delay: 144.011 ms

Loss rate: 0.30%

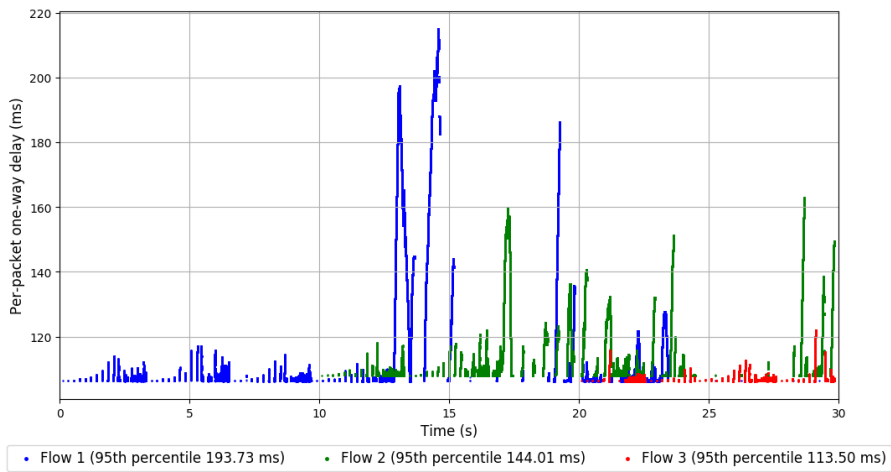
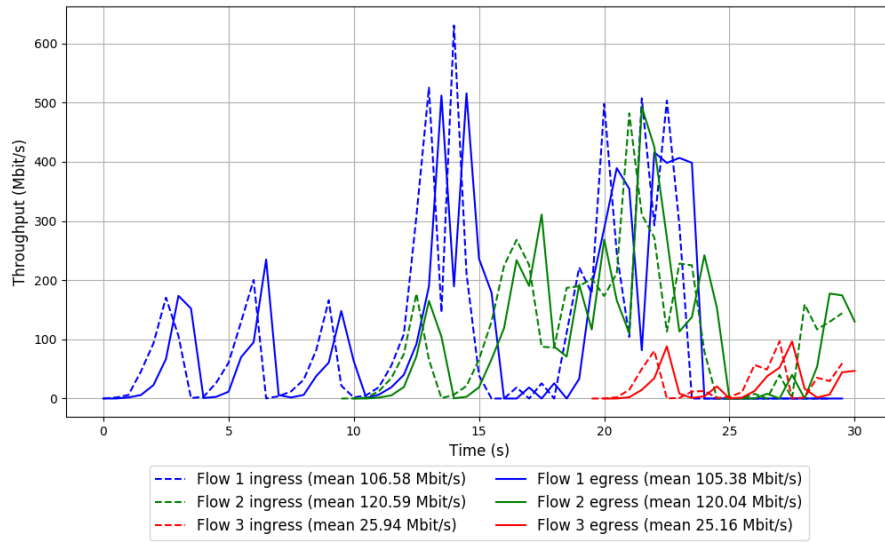
-- Flow 3:

Average throughput: 25.16 Mbit/s

95th percentile per-packet one-way delay: 113.504 ms

Loss rate: 5.11%

Run 4: Report of Verus — Data Link

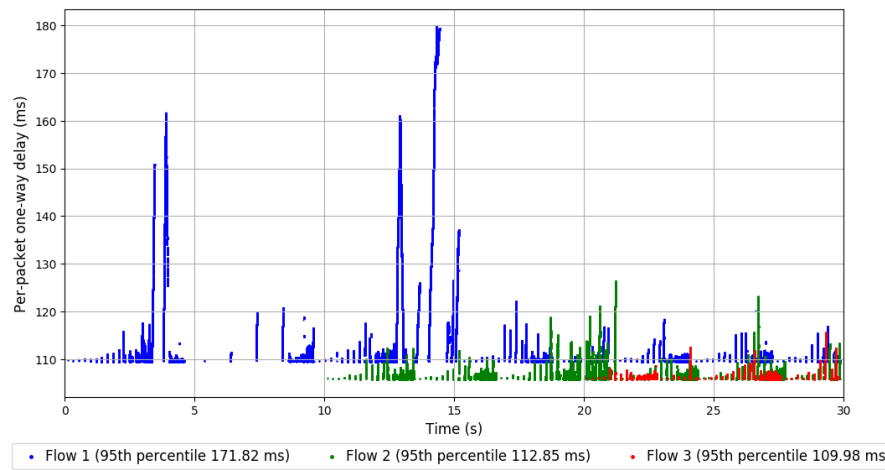
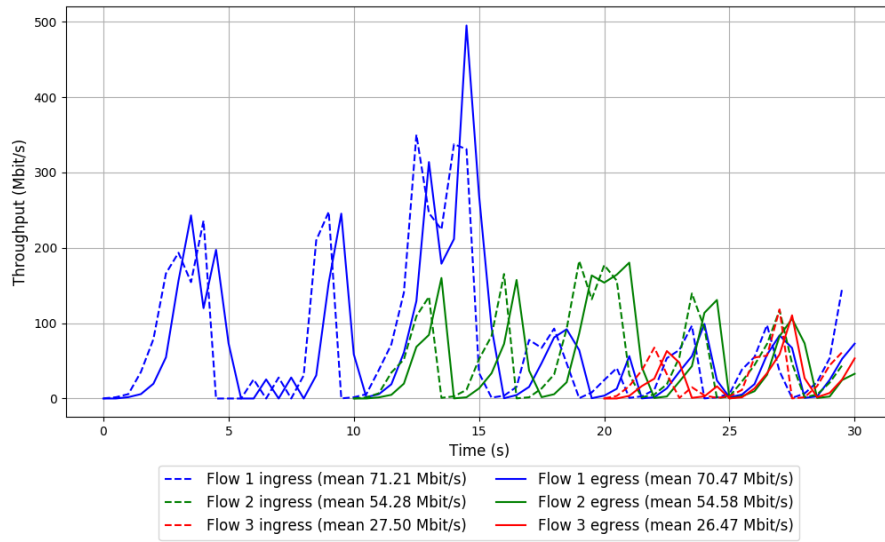


Run 5: Statistics of Verus

Start at: 2019-09-18 06:35:32
End at: 2019-09-18 06:36:02
Local clock offset: -0.111 ms
Remote clock offset: -0.157 ms

```
# Below is generated by plot.py at 2019-09-18 10:11:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 115.26 Mbit/s
95th percentile per-packet one-way delay: 151.204 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 70.47 Mbit/s
95th percentile per-packet one-way delay: 171.818 ms
Loss rate: 1.76%
-- Flow 2:
Average throughput: 54.58 Mbit/s
95th percentile per-packet one-way delay: 112.853 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 109.977 ms
Loss rate: 6.64%
```

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-09-18 03:55:11

End at: 2019-09-18 03:55:41

Local clock offset: 0.784 ms

Remote clock offset: -0.085 ms

Below is generated by plot.py at 2019-09-18 10:11:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 465.58 Mbit/s

95th percentile per-packet one-way delay: 118.483 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 297.07 Mbit/s

95th percentile per-packet one-way delay: 133.505 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 189.59 Mbit/s

95th percentile per-packet one-way delay: 110.971 ms

Loss rate: 1.25%

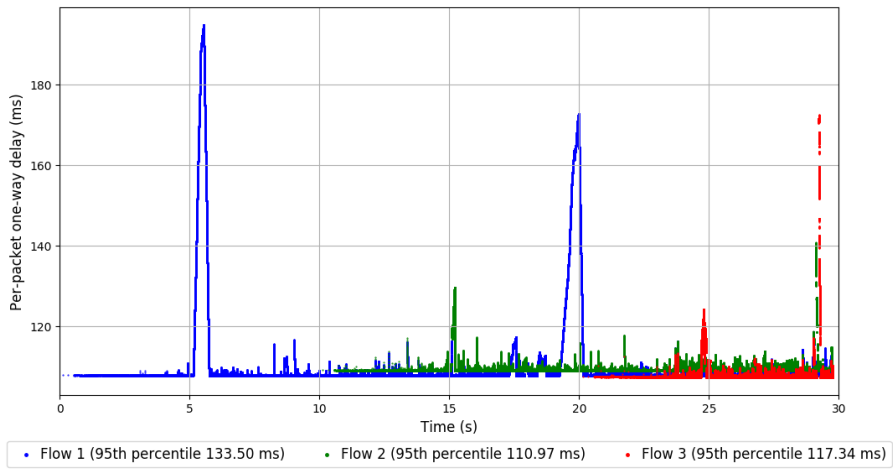
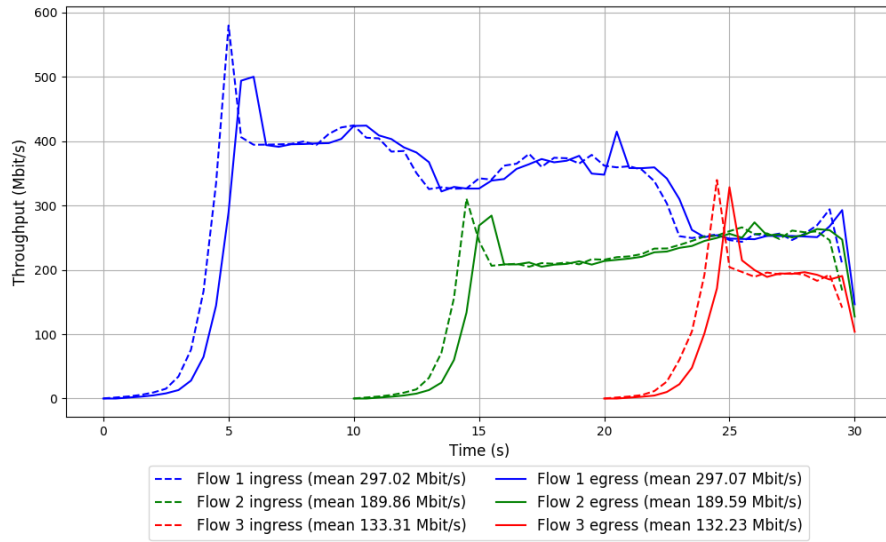
-- Flow 3:

Average throughput: 132.23 Mbit/s

95th percentile per-packet one-way delay: 117.336 ms

Loss rate: 2.97%

Run 1: Report of PCC-Vivace — Data Link

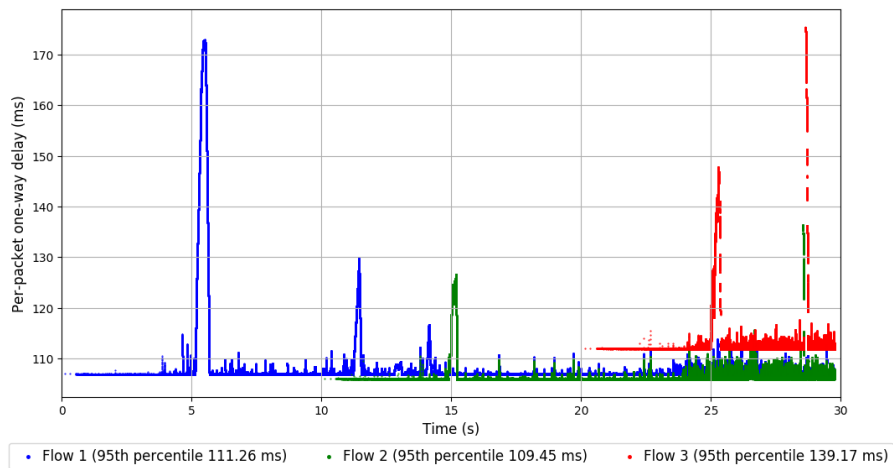
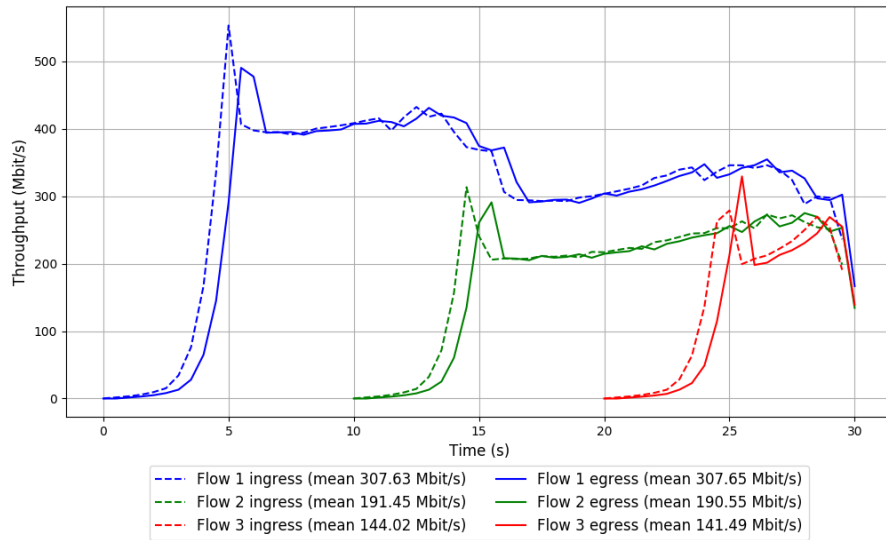


Run 2: Statistics of PCC-Vivace

Start at: 2019-09-18 04:38:16
End at: 2019-09-18 04:38:46
Local clock offset: 0.011 ms
Remote clock offset: -0.184 ms

```
# Below is generated by plot.py at 2019-09-18 10:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 479.85 Mbit/s
95th percentile per-packet one-way delay: 114.195 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 307.65 Mbit/s
95th percentile per-packet one-way delay: 111.260 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 190.55 Mbit/s
95th percentile per-packet one-way delay: 109.454 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 141.49 Mbit/s
95th percentile per-packet one-way delay: 139.174 ms
Loss rate: 3.96%
```

Run 2: Report of PCC-Vivace — Data Link

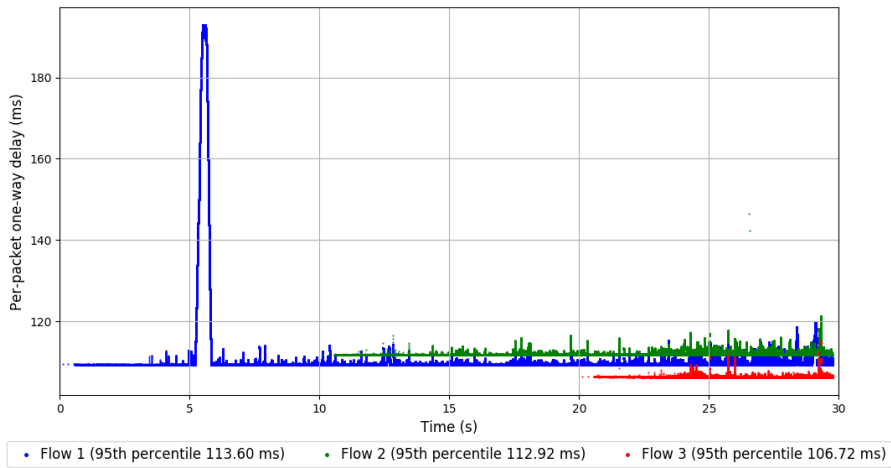
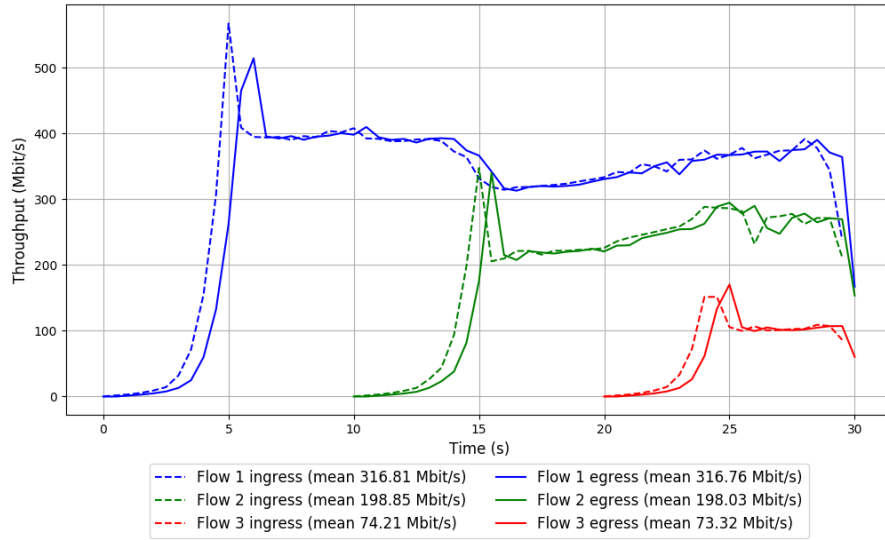


Run 3: Statistics of PCC-Vivace

Start at: 2019-09-18 05:21:48
End at: 2019-09-18 05:22:18
Local clock offset: -0.085 ms
Remote clock offset: -0.557 ms

```
# Below is generated by plot.py at 2019-09-18 10:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 471.81 Mbit/s
95th percentile per-packet one-way delay: 113.041 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 316.76 Mbit/s
95th percentile per-packet one-way delay: 113.602 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 198.03 Mbit/s
95th percentile per-packet one-way delay: 112.917 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 73.32 Mbit/s
95th percentile per-packet one-way delay: 106.725 ms
Loss rate: 3.36%
```

Run 3: Report of PCC-Vivace — Data Link

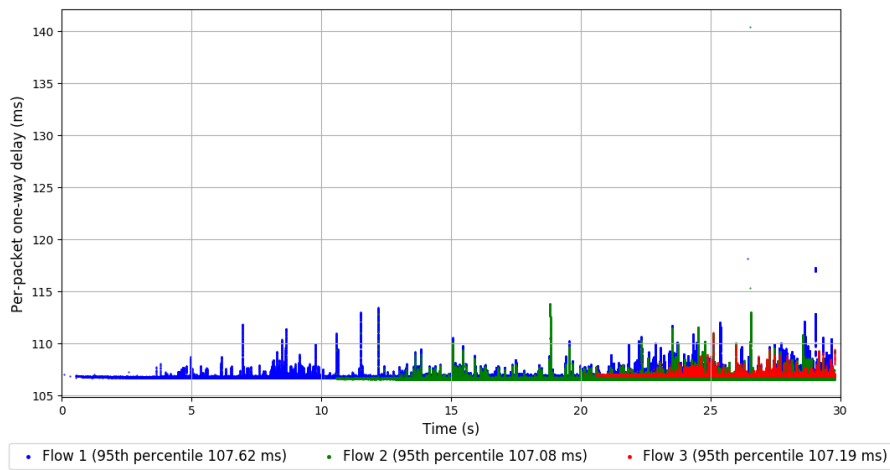
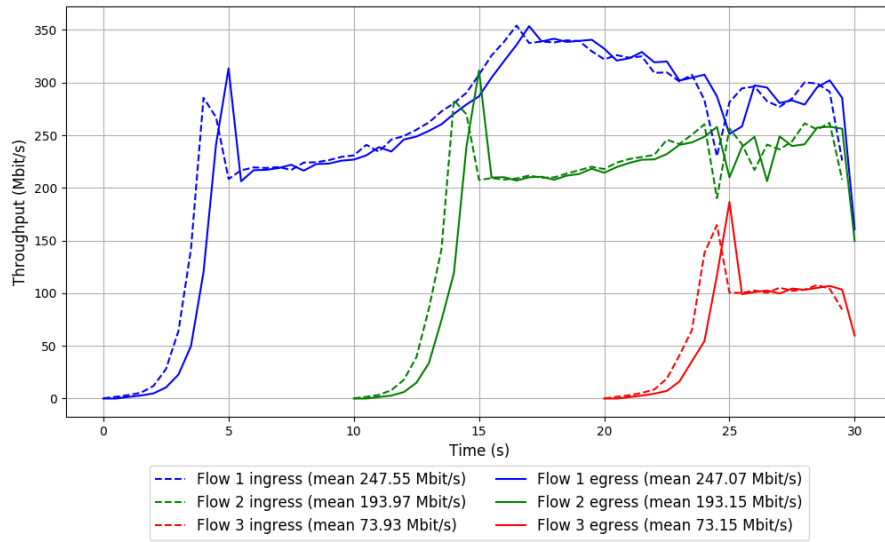


Run 4: Statistics of PCC-Vivace

Start at: 2019-09-18 06:05:07
End at: 2019-09-18 06:05:37
Local clock offset: -0.099 ms
Remote clock offset: -0.213 ms

```
# Below is generated by plot.py at 2019-09-18 10:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.77 Mbit/s
95th percentile per-packet one-way delay: 107.445 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 247.07 Mbit/s
95th percentile per-packet one-way delay: 107.622 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 193.15 Mbit/s
95th percentile per-packet one-way delay: 107.085 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 73.15 Mbit/s
95th percentile per-packet one-way delay: 107.189 ms
Loss rate: 3.23%
```

Run 4: Report of PCC-Vivace — Data Link

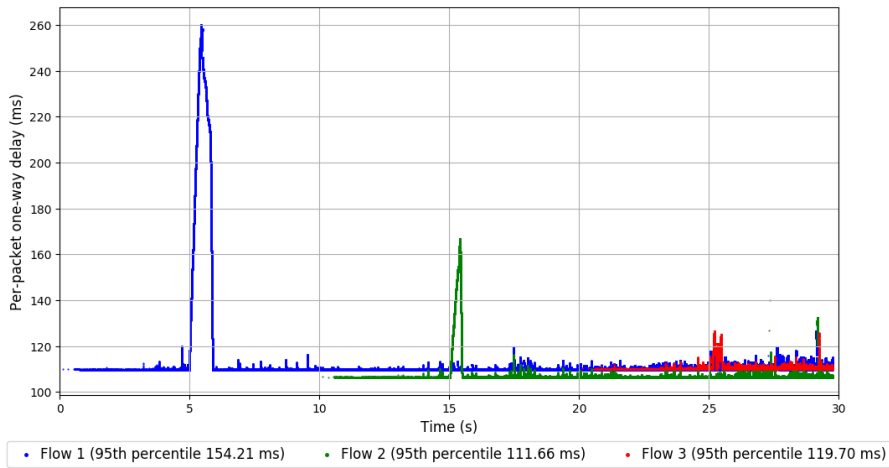
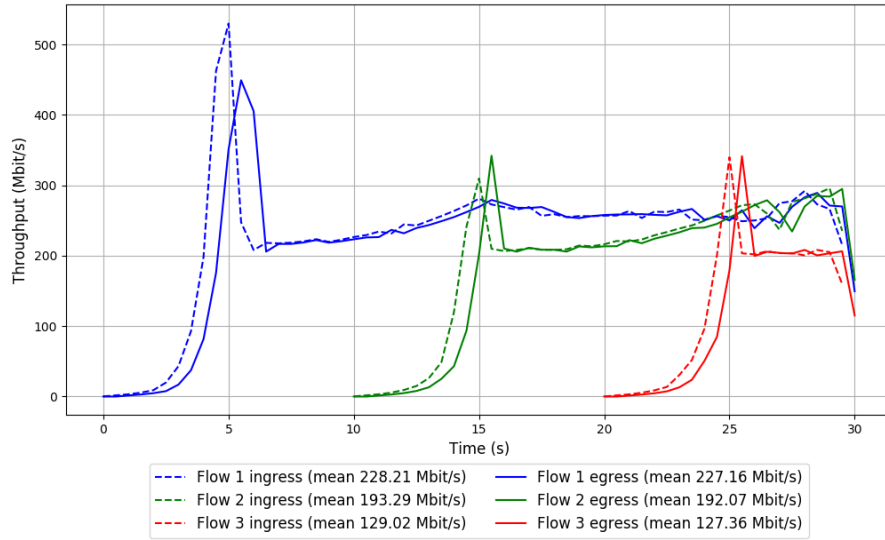


Run 5: Statistics of PCC-Vivace

Start at: 2019-09-18 06:48:15
End at: 2019-09-18 06:48:45
Local clock offset: 0.115 ms
Remote clock offset: -0.517 ms

```
# Below is generated by plot.py at 2019-09-18 10:12:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 395.83 Mbit/s
95th percentile per-packet one-way delay: 120.870 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 227.16 Mbit/s
95th percentile per-packet one-way delay: 154.210 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 192.07 Mbit/s
95th percentile per-packet one-way delay: 111.657 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 127.36 Mbit/s
95th percentile per-packet one-way delay: 119.699 ms
Loss rate: 3.52%
```

Run 5: Report of PCC-Vivace — Data Link

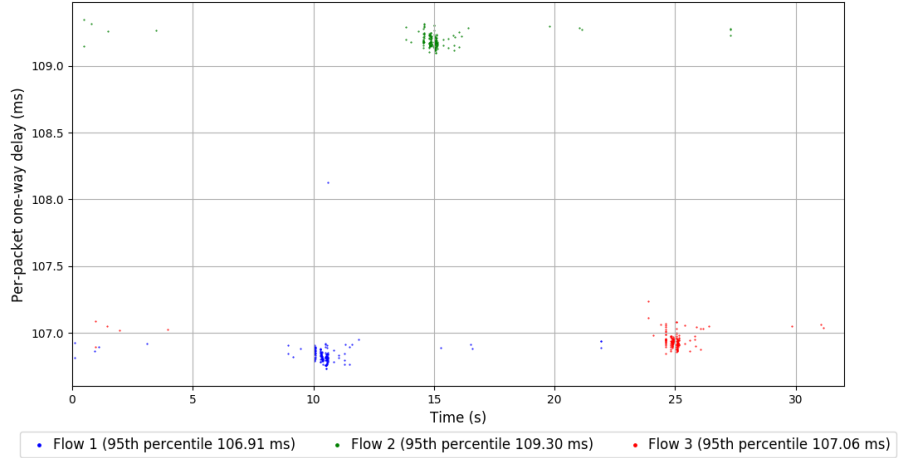
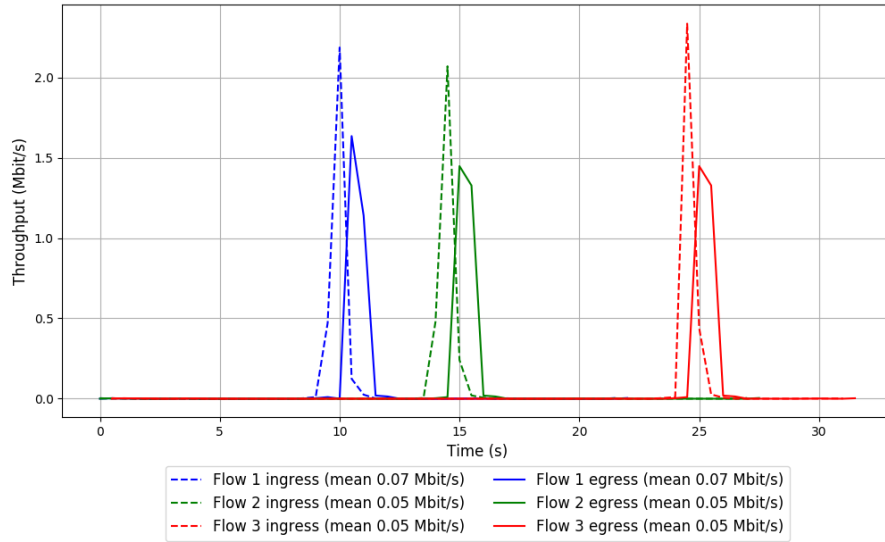


Run 1: Statistics of WebRTC media

Start at: 2019-09-18 03:47:57
End at: 2019-09-18 03:48:27
Local clock offset: 0.017 ms
Remote clock offset: -0.147 ms

```
# Below is generated by plot.py at 2019-09-18 10:12:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 106.913 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.297 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 107.059 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

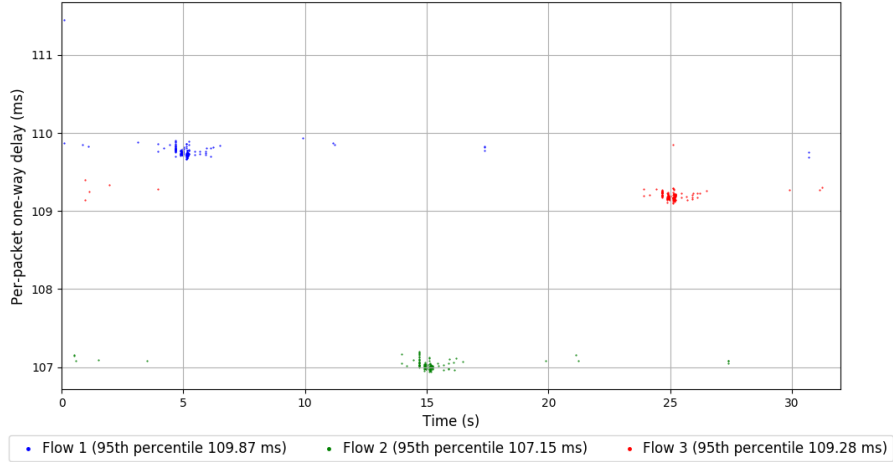
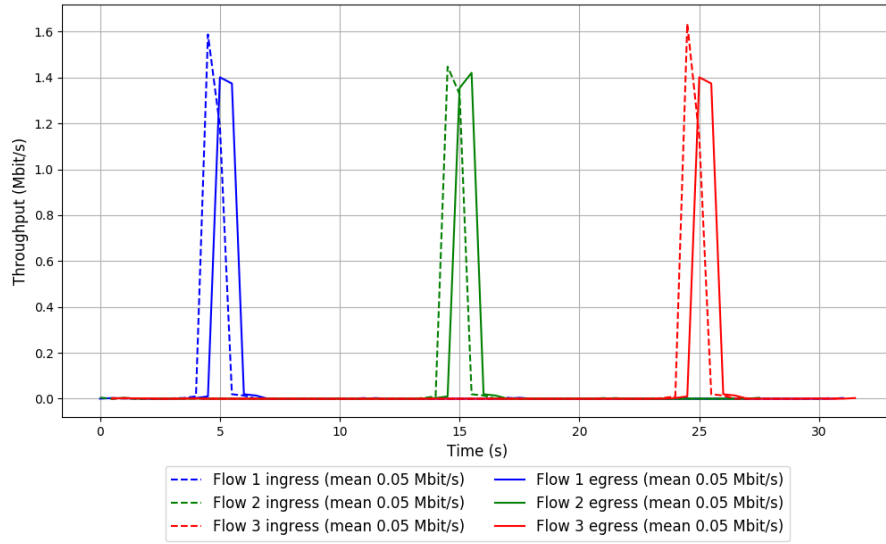


Run 2: Statistics of WebRTC media

Start at: 2019-09-18 04:31:10
End at: 2019-09-18 04:31:40
Local clock offset: 0.112 ms
Remote clock offset: -0.178 ms

```
# Below is generated by plot.py at 2019-09-18 10:12:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.869 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 107.152 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.281 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

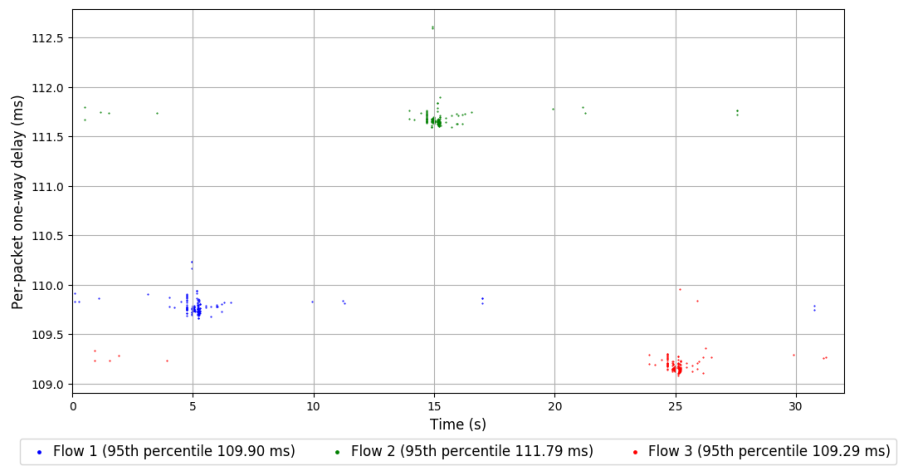
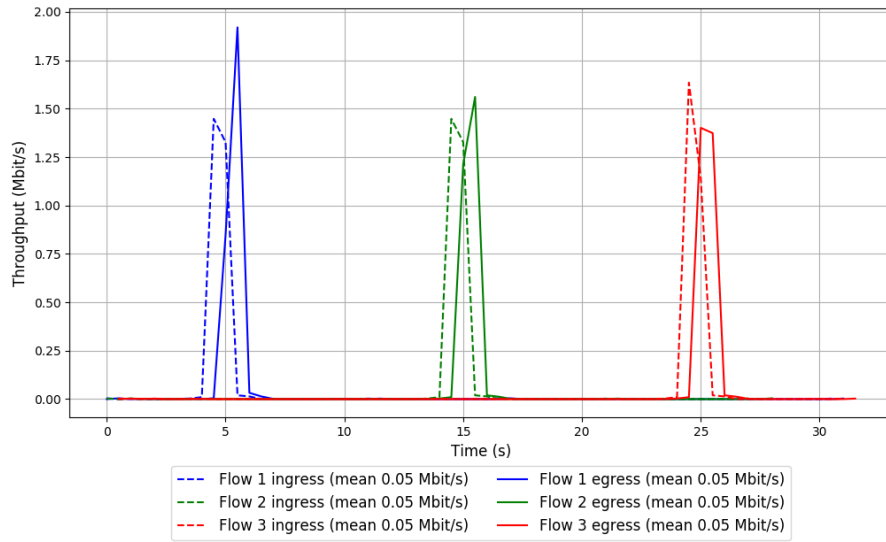


Run 3: Statistics of WebRTC media

Start at: 2019-09-18 05:14:36
End at: 2019-09-18 05:15:06
Local clock offset: 0.134 ms
Remote clock offset: -0.191 ms

```
# Below is generated by plot.py at 2019-09-18 10:12:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 111.734 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.904 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 111.791 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.290 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-09-18 05:57:46

End at: 2019-09-18 05:58:16

Local clock offset: 0.762 ms

Remote clock offset: -0.29 ms

Below is generated by plot.py at 2019-09-18 10:12:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 110.290 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 107.711 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 110.359 ms

Loss rate: 0.00%

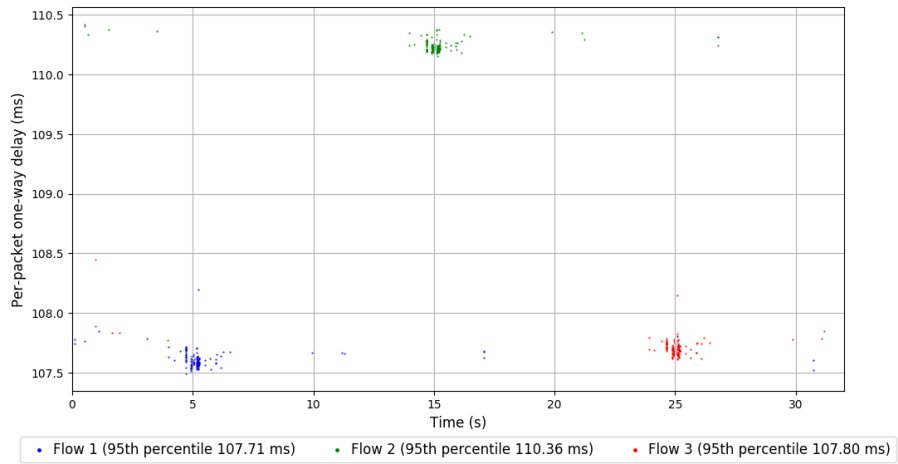
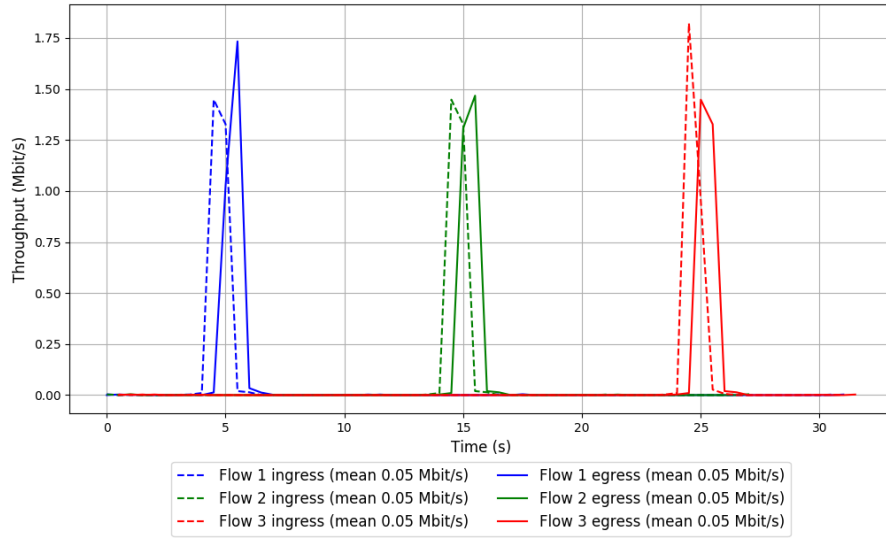
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 107.803 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-09-18 06:40:56
End at: 2019-09-18 06:41:26
Local clock offset: -0.028 ms
Remote clock offset: -0.114 ms

```
# Below is generated by plot.py at 2019-09-18 10:12:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.767 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 106.188 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.803 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 106.851 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

