

Pantheon Report

Generated at 2019-11-25 09:32:36 (UTC).

Data path: GCE Tokyo on `ens4` (*remote*) → GCE Sydney 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:

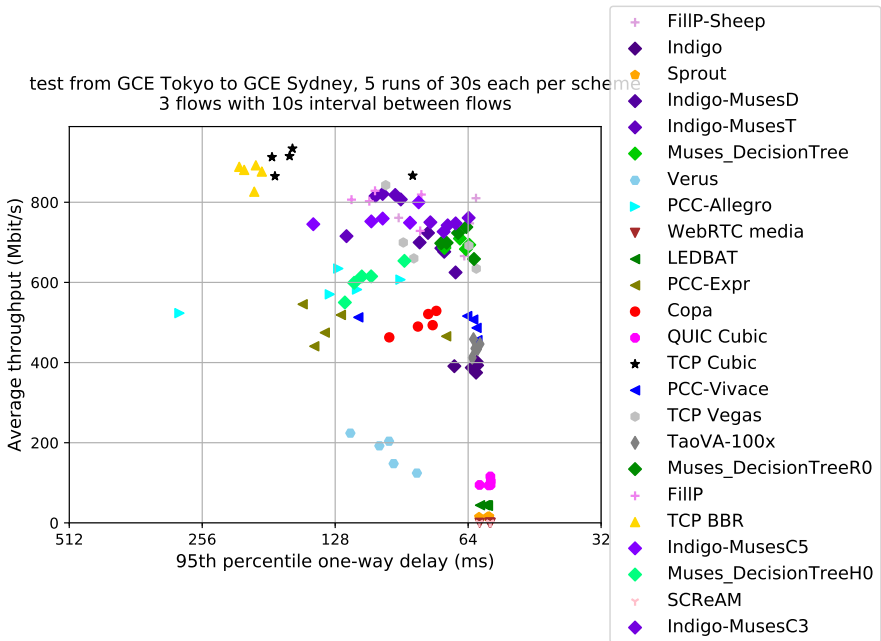
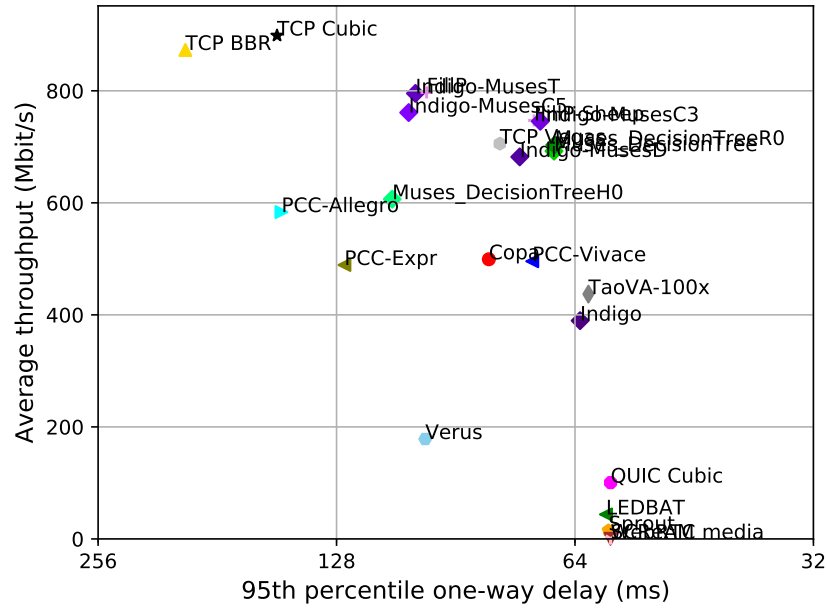
```
Linux 4.15.0-1044-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
```

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

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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	450.40	443.77	386.43	195.48	186.97	181.40	1.05	1.61	2.84
Copa	5	261.31	245.14	227.26	80.22	76.87	86.99	0.38	0.61	1.42
TCP Cubic	5	479.61	442.73	378.78	134.10	163.76	117.14	0.41	0.66	1.34
FillP	5	488.59	334.88	261.83	105.83	64.04	65.85	1.08	0.46	1.35
FillP-Sheep	5	466.29	303.19	241.94	75.18	66.00	63.77	0.27	0.50	1.20
Indigo	5	211.69	189.67	158.10	62.13	66.87	62.12	0.38	0.57	1.34
Indigo-MusesC3	5	439.03	374.35	263.88	73.88	65.79	62.22	0.27	0.52	2.16
Indigo-MusesC5	5	467.47	397.02	159.32	112.65	86.65	59.49	0.33	0.56	2.24
Indigo-MusesD	5	410.26	318.53	264.60	78.70	69.69	60.02	0.31	0.47	1.92
Indigo-MusesT	5	479.38	397.45	243.00	108.81	80.96	62.31	0.29	0.67	2.11
LEDBAT	5	28.13	18.97	9.23	58.15	57.90	58.40	0.76	1.14	2.32
Muses_DecisionTree	5	397.19	333.81	236.88	70.40	64.87	62.89	0.29	0.49	1.33
Muses_DecisionTreeH0	5	308.92	338.64	235.41	121.11	76.87	81.59	0.54	0.69	1.76
Muses_DecisionTreeR0	5	405.75	331.95	249.61	70.19	64.10	59.82	0.24	0.39	1.58
PCC-Allegro	5	316.80	291.27	224.99	141.94	138.62	166.01	1.22	1.56	3.37
PCC-Expr	5	276.35	238.70	165.82	121.11	134.82	71.40	0.68	1.28	1.50
QUIC Cubic	5	59.20	43.65	35.76	57.69	57.00	57.03	0.55	1.10	0.57
SCReAM	5	0.22	0.22	0.22	57.63	57.03	57.69	0.38	0.61	1.08
Sprout	5	7.73	7.65	7.43	58.11	57.44	57.34	0.44	0.65	1.41
TaoVA-100x	5	224.77	216.69	206.98	60.65	61.48	62.67	0.39	0.56	1.05
TCP Vegas	5	347.37	348.91	382.72	67.24	74.50	97.74	0.26	0.46	1.30
Verus	5	74.68	113.17	92.77	119.76	84.23	86.45	0.16	0.33	1.33
PCC-Vivace	5	289.78	227.18	168.40	66.32	78.54	109.53	0.31	0.68	1.62
WebRTC media	5	0.06	0.06	0.06	57.73	57.05	57.06	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-11-25 03:12:40

End at: 2019-11-25 03:13:10

Local clock offset: -0.099 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2019-11-25 06:56:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 826.46 Mbit/s

95th percentile per-packet one-way delay: 195.172 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 446.21 Mbit/s

95th percentile per-packet one-way delay: 198.401 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 405.89 Mbit/s

95th percentile per-packet one-way delay: 190.499 ms

Loss rate: 0.58%

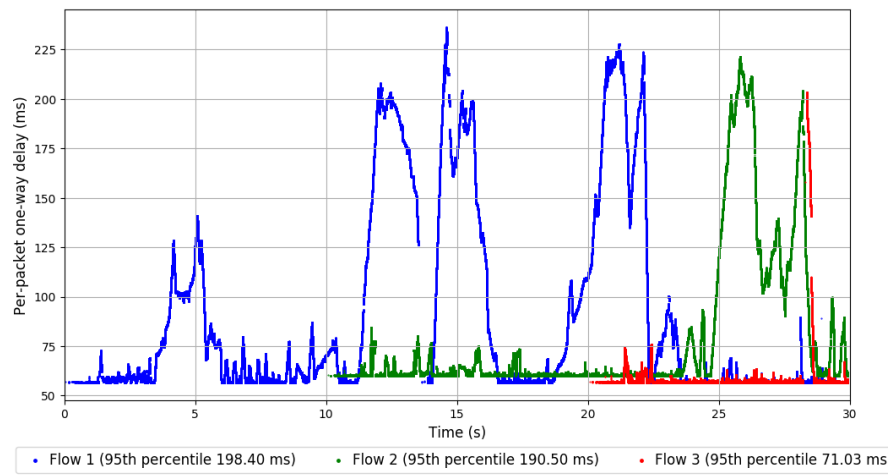
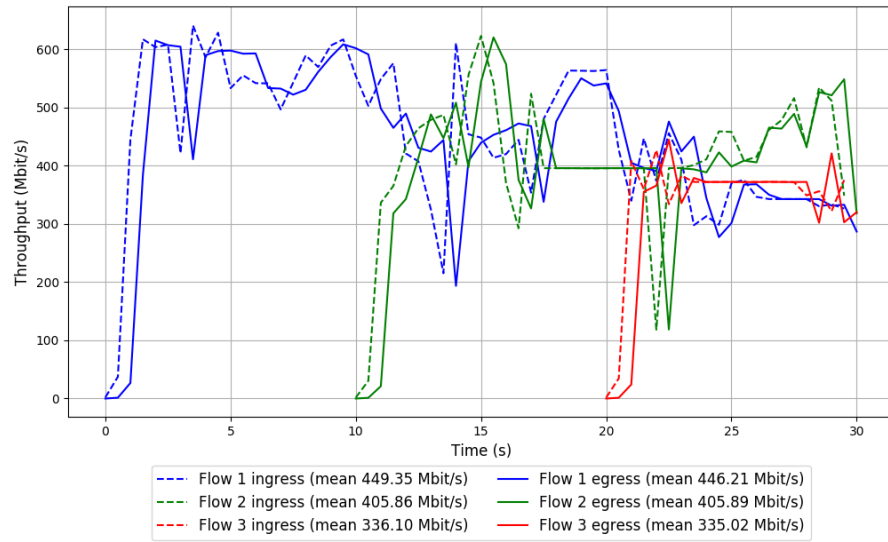
-- Flow 3:

Average throughput: 335.02 Mbit/s

95th percentile per-packet one-way delay: 71.028 ms

Loss rate: 1.47%

Run 1: Report of TCP BBR — Data Link

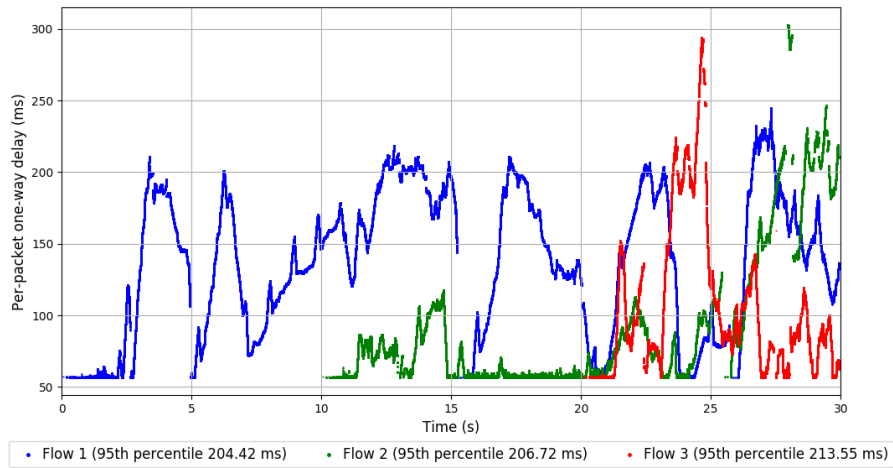
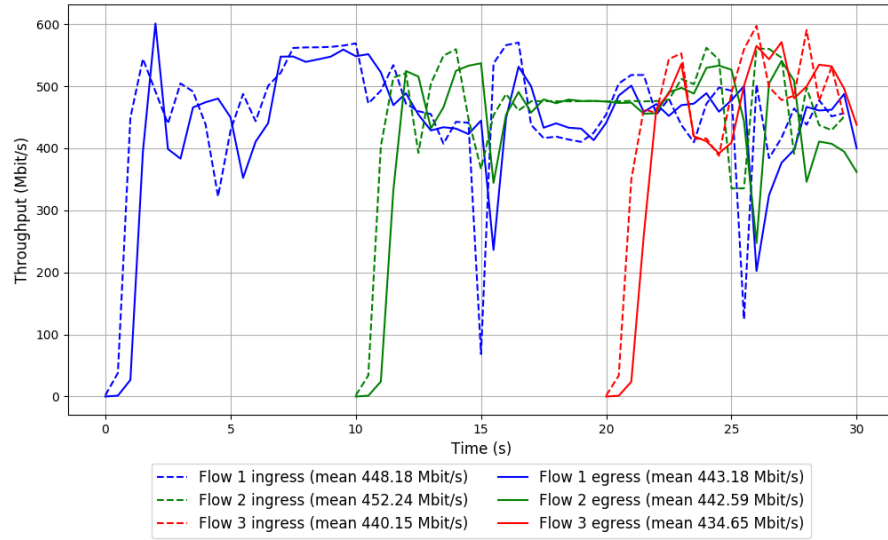


Run 2: Statistics of TCP BBR

Start at: 2019-11-25 03:53:26
End at: 2019-11-25 03:53:56
Local clock offset: -0.081 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2019-11-25 06:57:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 880.79 Mbit/s
95th percentile per-packet one-way delay: 205.686 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 443.18 Mbit/s
95th percentile per-packet one-way delay: 204.417 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 442.59 Mbit/s
95th percentile per-packet one-way delay: 206.721 ms
Loss rate: 2.69%
-- Flow 3:
Average throughput: 434.65 Mbit/s
95th percentile per-packet one-way delay: 213.546 ms
Loss rate: 2.39%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-11-25 04:34:06

End at: 2019-11-25 04:34:36

Local clock offset: -0.141 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2019-11-25 06:58:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 892.26 Mbit/s

95th percentile per-packet one-way delay: 193.558 ms

Loss rate: 1.64%

-- Flow 1:

Average throughput: 467.32 Mbit/s

95th percentile per-packet one-way delay: 178.929 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 455.15 Mbit/s

95th percentile per-packet one-way delay: 163.859 ms

Loss rate: 1.69%

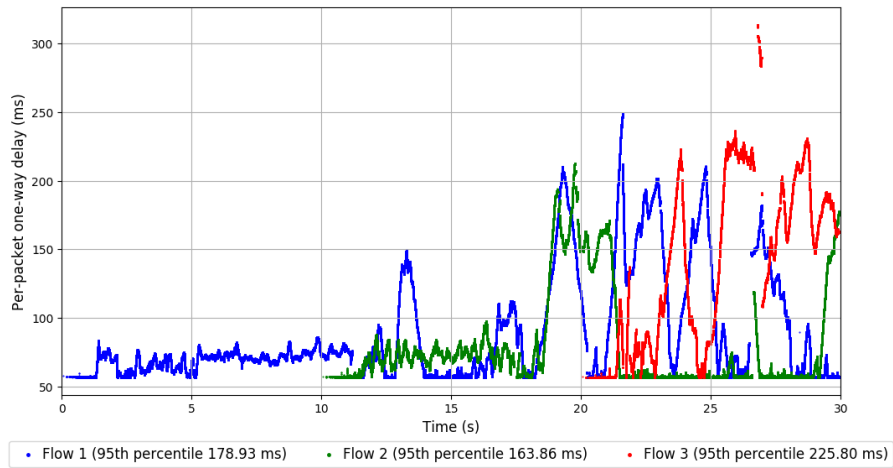
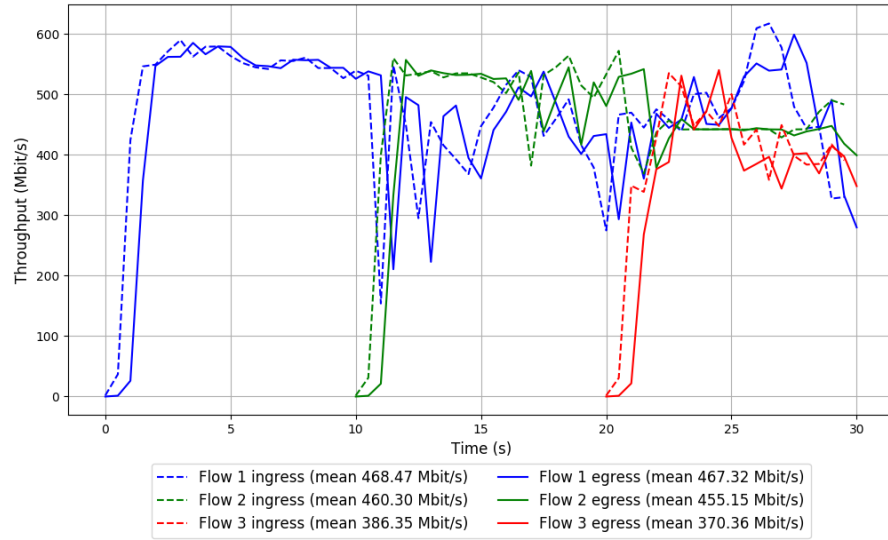
-- Flow 3:

Average throughput: 370.36 Mbit/s

95th percentile per-packet one-way delay: 225.797 ms

Loss rate: 5.24%

Run 3: Report of TCP BBR — Data Link

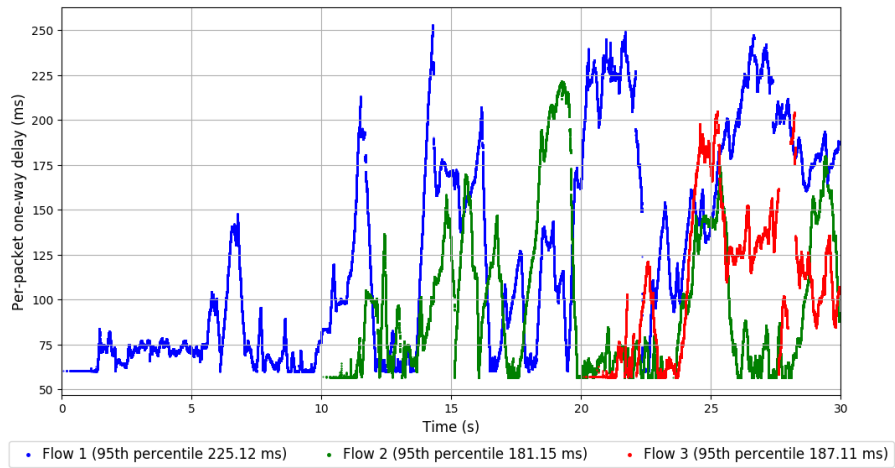
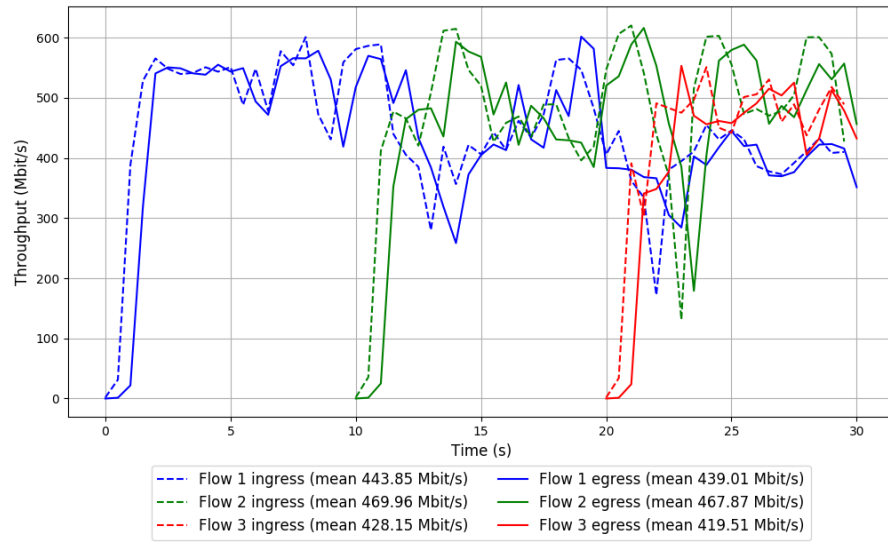


Run 4: Statistics of TCP BBR

Start at: 2019-11-25 05:14:49
End at: 2019-11-25 05:15:19
Local clock offset: -0.144 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-11-25 06:58:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 888.47 Mbit/s
95th percentile per-packet one-way delay: 211.050 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 439.01 Mbit/s
95th percentile per-packet one-way delay: 225.116 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 467.87 Mbit/s
95th percentile per-packet one-way delay: 181.154 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 419.51 Mbit/s
95th percentile per-packet one-way delay: 187.109 ms
Loss rate: 3.15%

Run 4: Report of TCP BBR — Data Link

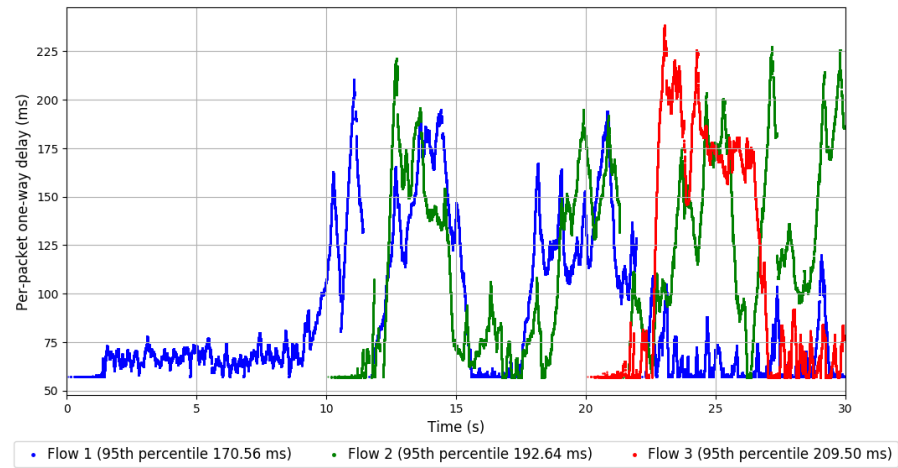
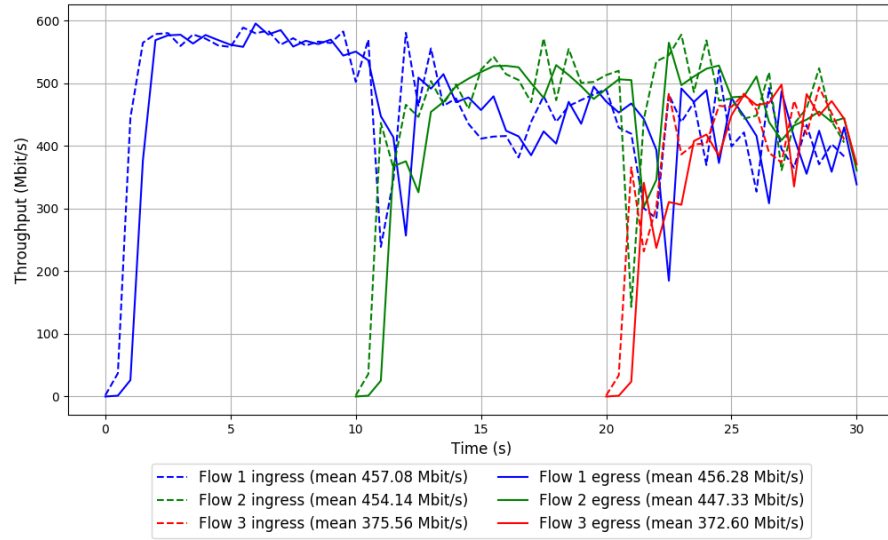


Run 5: Statistics of TCP BBR

Start at: 2019-11-25 05:55:47
End at: 2019-11-25 05:56:17
Local clock offset: -0.071 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2019-11-25 06:58:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 876.62 Mbit/s
95th percentile per-packet one-way delay: 187.629 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 456.28 Mbit/s
95th percentile per-packet one-way delay: 170.556 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 447.33 Mbit/s
95th percentile per-packet one-way delay: 192.641 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 372.60 Mbit/s
95th percentile per-packet one-way delay: 209.499 ms
Loss rate: 1.93%

Run 5: Report of TCP BBR — Data Link

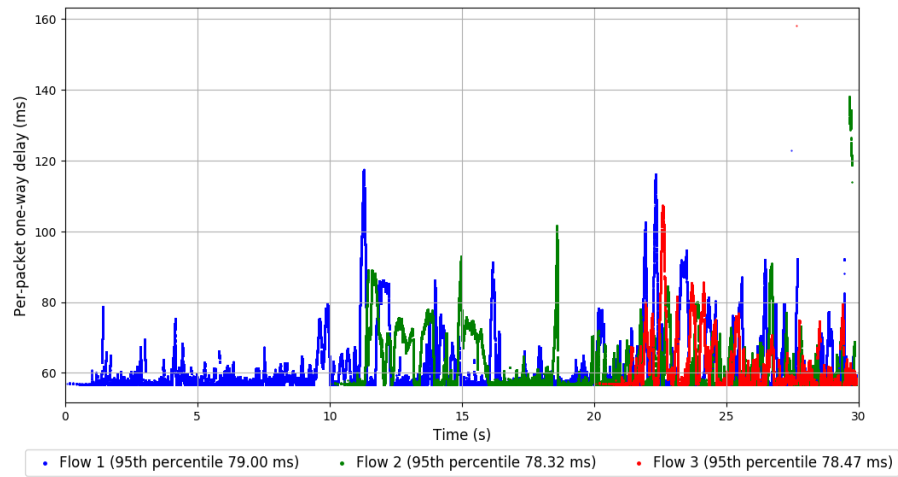
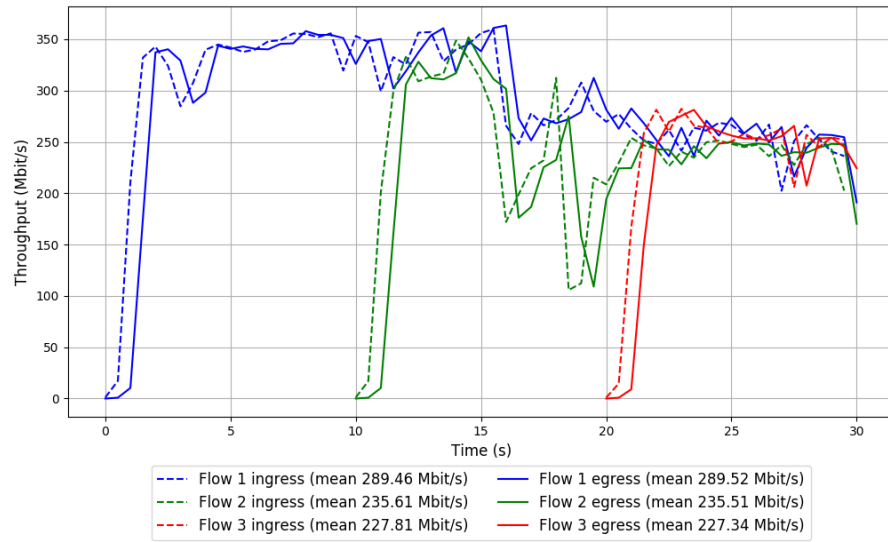


Run 1: Statistics of Copa

Start at: 2019-11-25 03:10:39
End at: 2019-11-25 03:11:09
Local clock offset: -0.084 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-11-25 06:59:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 521.11 Mbit/s
95th percentile per-packet one-way delay: 78.800 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 289.52 Mbit/s
95th percentile per-packet one-way delay: 79.001 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 235.51 Mbit/s
95th percentile per-packet one-way delay: 78.321 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 227.34 Mbit/s
95th percentile per-packet one-way delay: 78.469 ms
Loss rate: 1.34%

Run 1: Report of Copa — Data Link

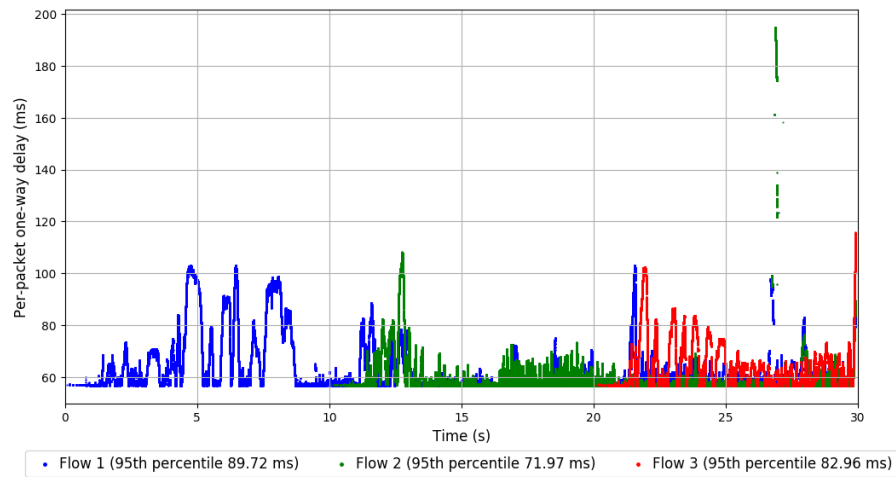
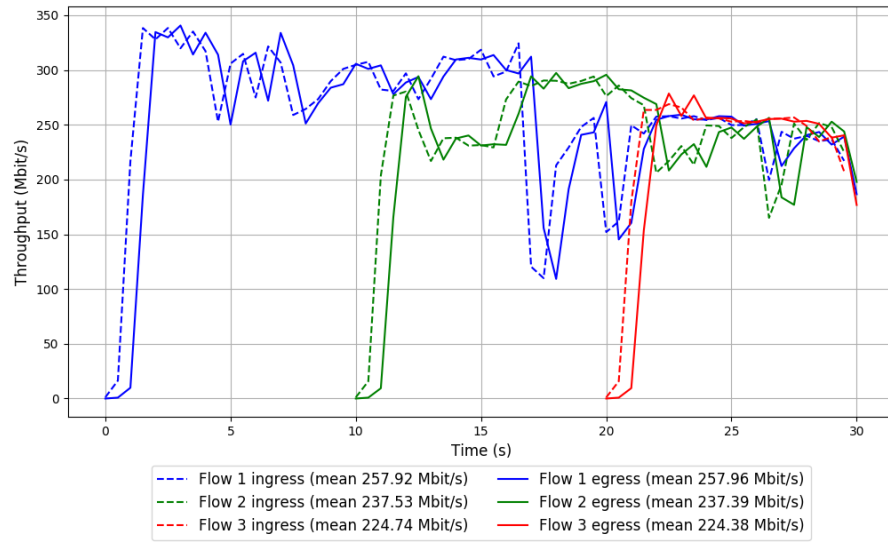


Run 2: Statistics of Copa

Start at: 2019-11-25 03:51:28
End at: 2019-11-25 03:51:58
Local clock offset: -0.026 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2019-11-25 06:59:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 489.86 Mbit/s
95th percentile per-packet one-way delay: 83.150 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 257.96 Mbit/s
95th percentile per-packet one-way delay: 89.716 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 237.39 Mbit/s
95th percentile per-packet one-way delay: 71.968 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 224.38 Mbit/s
95th percentile per-packet one-way delay: 82.956 ms
Loss rate: 1.30%

Run 2: Report of Copa — Data Link

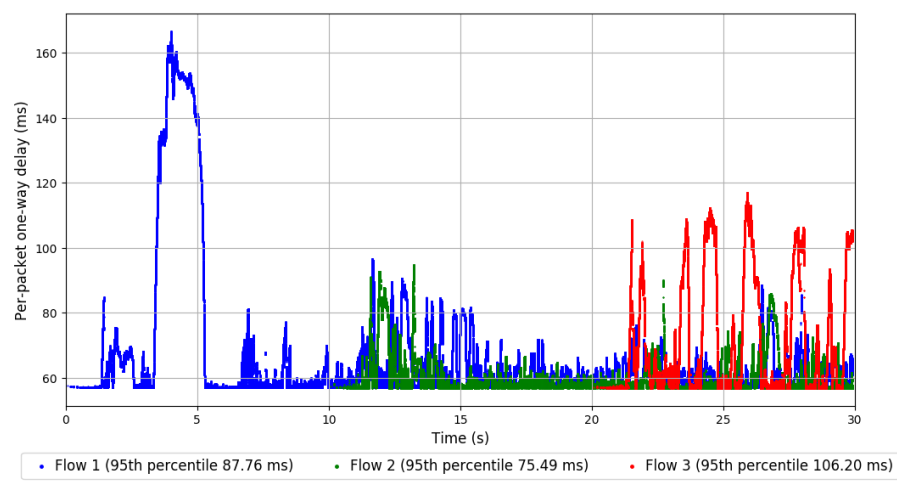
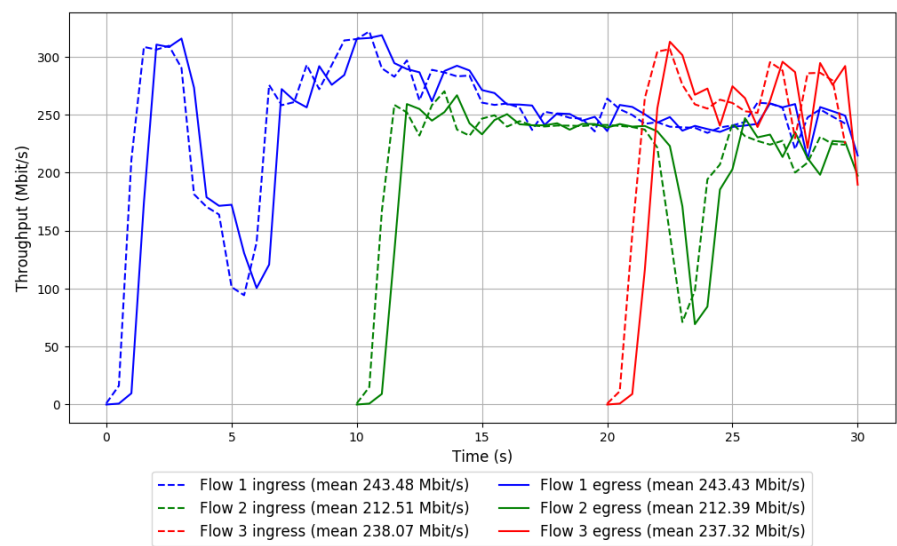


Run 3: Statistics of Copa

Start at: 2019-11-25 04:32:10
End at: 2019-11-25 04:32:40
Local clock offset: -0.118 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2019-11-25 06:59:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 462.88 Mbit/s
95th percentile per-packet one-way delay: 96.541 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 243.43 Mbit/s
95th percentile per-packet one-way delay: 87.757 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 212.39 Mbit/s
95th percentile per-packet one-way delay: 75.489 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 237.32 Mbit/s
95th percentile per-packet one-way delay: 106.199 ms
Loss rate: 1.46%

Run 3: Report of Copa — Data Link

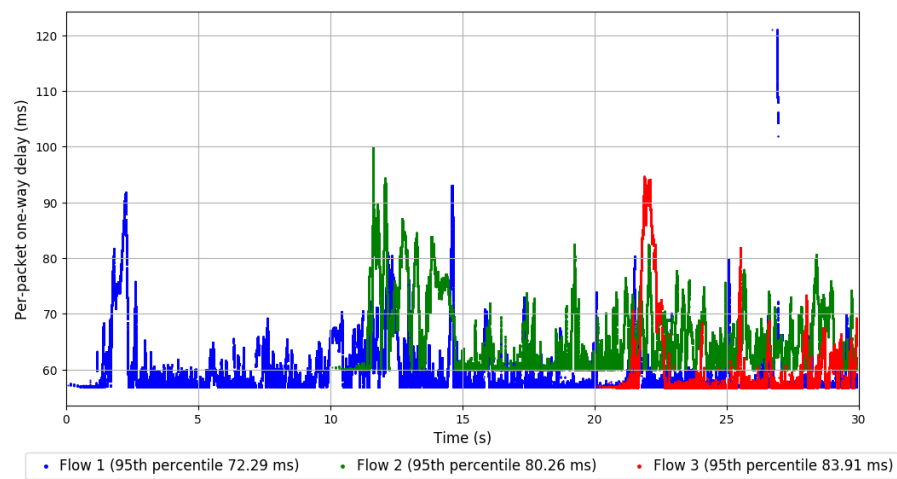
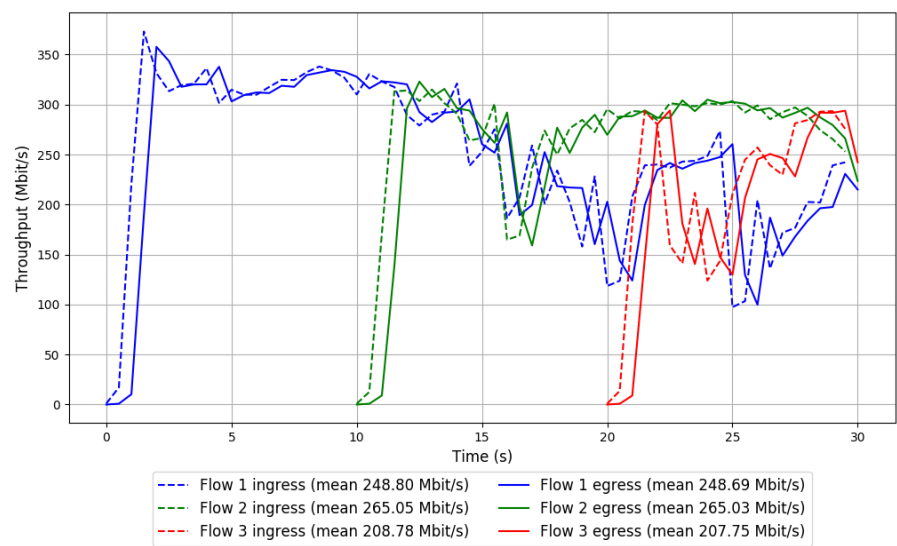


Run 4: Statistics of Copa

Start at: 2019-11-25 05:12:50
End at: 2019-11-25 05:13:20
Local clock offset: -0.206 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2019-11-25 07:13:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 493.33 Mbit/s
95th percentile per-packet one-way delay: 77.008 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 248.69 Mbit/s
95th percentile per-packet one-way delay: 72.294 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 265.03 Mbit/s
95th percentile per-packet one-way delay: 80.259 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 207.75 Mbit/s
95th percentile per-packet one-way delay: 83.906 ms
Loss rate: 1.64%

Run 4: Report of Copa — Data Link

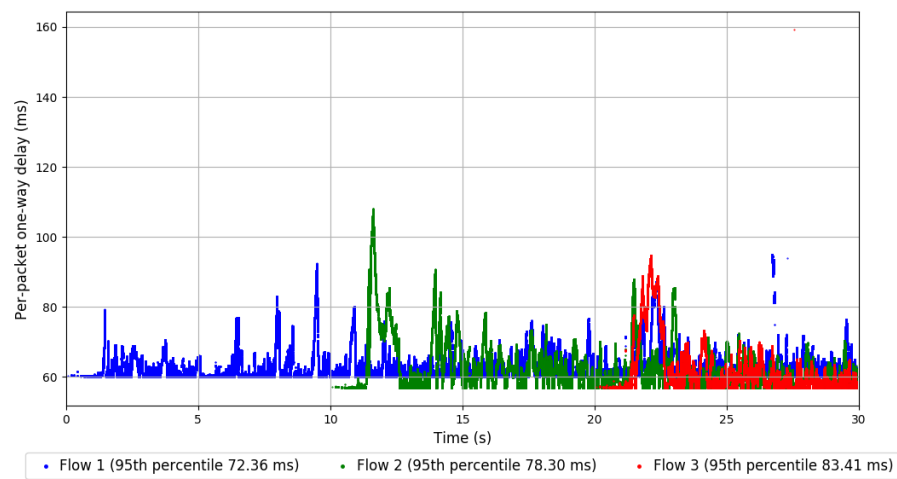
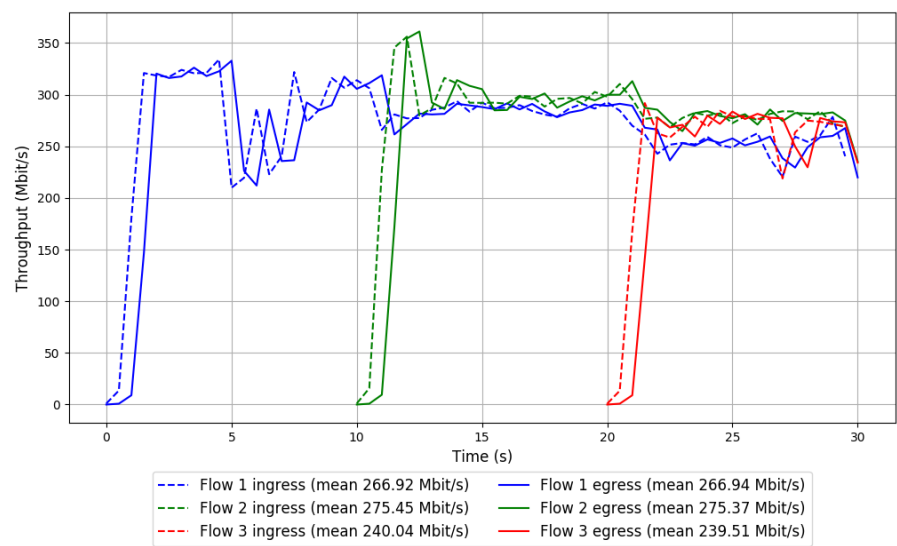


Run 5: Statistics of Copa

Start at: 2019-11-25 05:53:43
End at: 2019-11-25 05:54:13
Local clock offset: -0.083 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2019-11-25 07:15:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 528.95 Mbit/s
95th percentile per-packet one-way delay: 75.556 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 266.94 Mbit/s
95th percentile per-packet one-way delay: 72.357 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 275.37 Mbit/s
95th percentile per-packet one-way delay: 78.300 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 239.51 Mbit/s
95th percentile per-packet one-way delay: 83.408 ms
Loss rate: 1.36%

Run 5: Report of Copa — Data Link

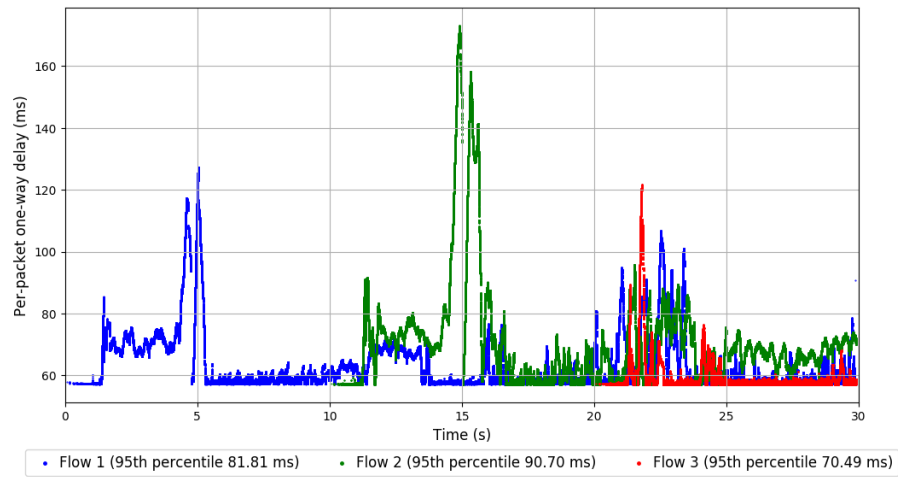
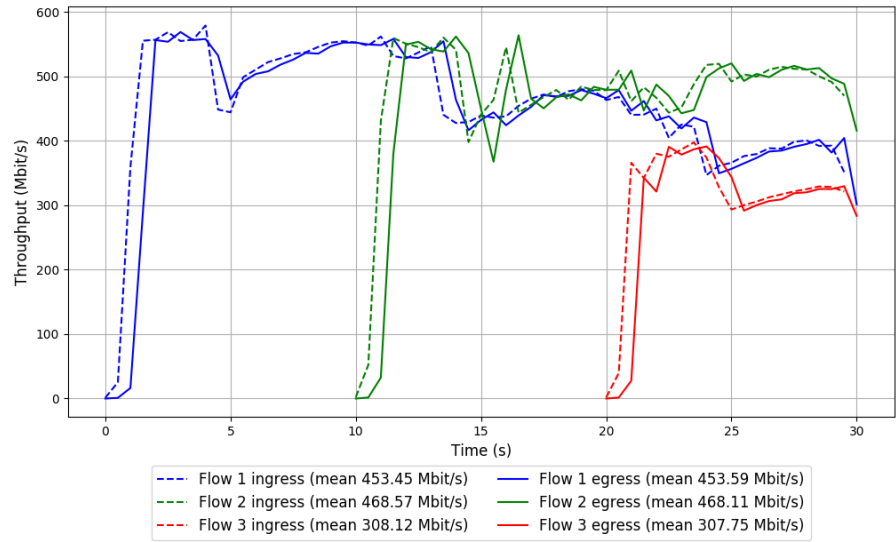


Run 1: Statistics of TCP Cubic

Start at: 2019-11-25 03:37:24
End at: 2019-11-25 03:37:54
Local clock offset: 0.249 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2019-11-25 07:15:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 866.38 Mbit/s
95th percentile per-packet one-way delay: 85.449 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 453.59 Mbit/s
95th percentile per-packet one-way delay: 81.806 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 468.11 Mbit/s
95th percentile per-packet one-way delay: 90.705 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 307.75 Mbit/s
95th percentile per-packet one-way delay: 70.494 ms
Loss rate: 1.27%

Run 1: Report of TCP Cubic — Data Link

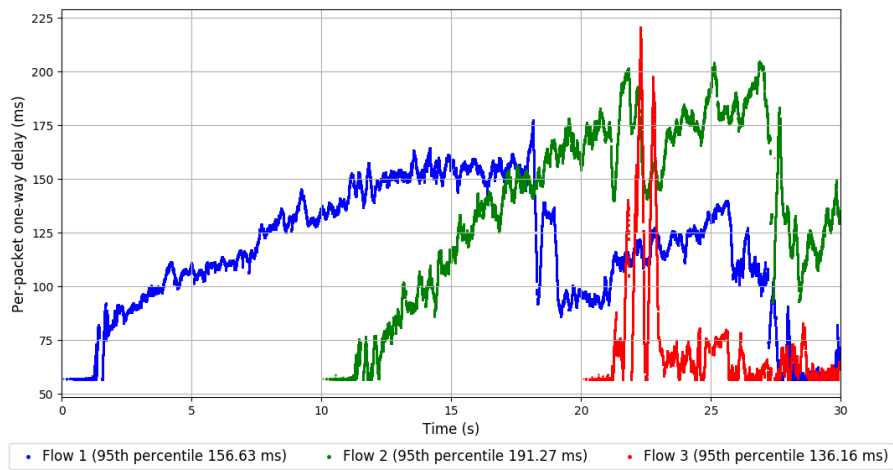
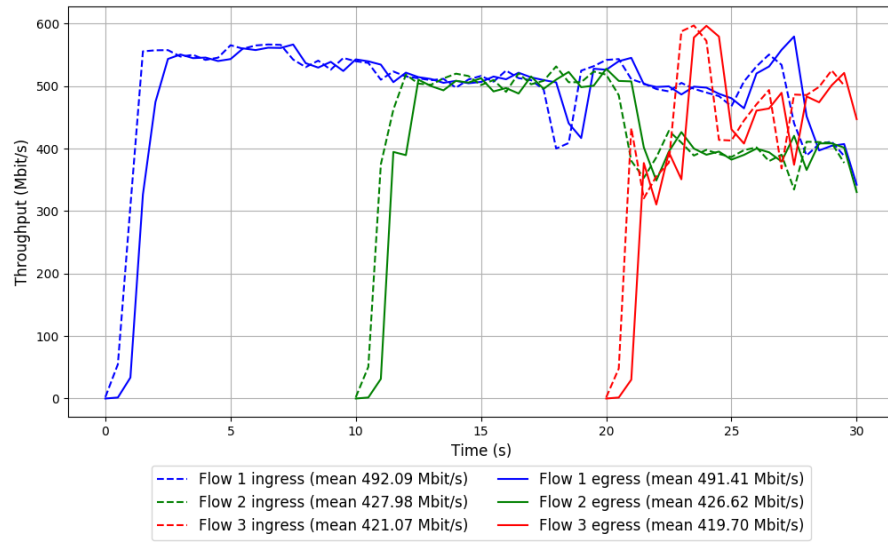


Run 2: Statistics of TCP Cubic

Start at: 2019-11-25 04:18:09
End at: 2019-11-25 04:18:39
Local clock offset: -0.019 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2019-11-25 07:15:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 912.69 Mbit/s
95th percentile per-packet one-way delay: 177.935 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 491.41 Mbit/s
95th percentile per-packet one-way delay: 156.629 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 426.62 Mbit/s
95th percentile per-packet one-way delay: 191.268 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 419.70 Mbit/s
95th percentile per-packet one-way delay: 136.160 ms
Loss rate: 1.47%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-11-25 04:58:49

End at: 2019-11-25 04:59:19

Local clock offset: -0.172 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2019-11-25 07:15:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 865.13 Mbit/s

95th percentile per-packet one-way delay: 175.223 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 479.18 Mbit/s

95th percentile per-packet one-way delay: 166.641 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 407.18 Mbit/s

95th percentile per-packet one-way delay: 184.001 ms

Loss rate: 0.54%

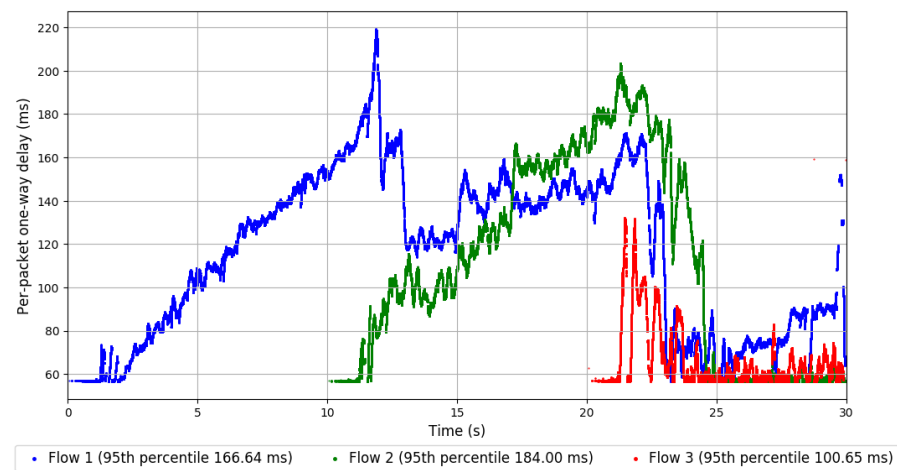
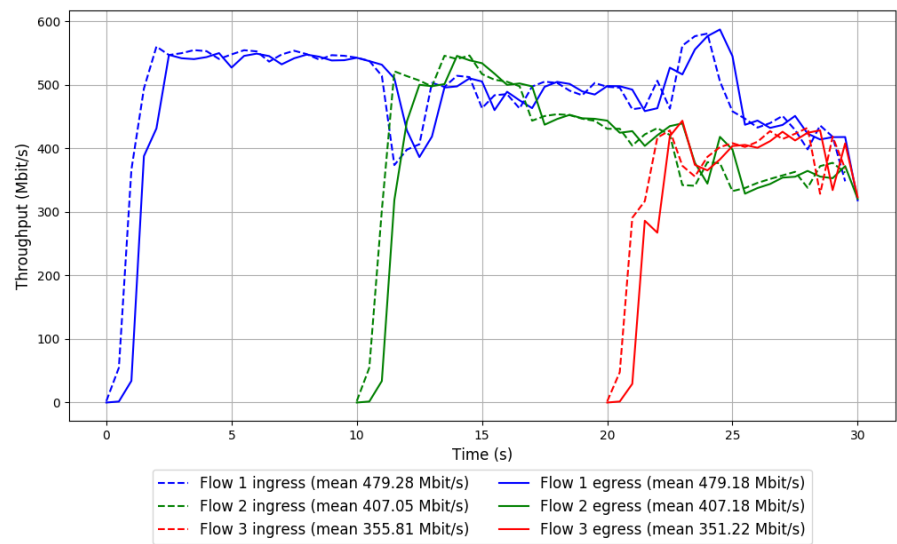
-- Flow 3:

Average throughput: 351.22 Mbit/s

95th percentile per-packet one-way delay: 100.647 ms

Loss rate: 1.48%

Run 3: Report of TCP Cubic — Data Link

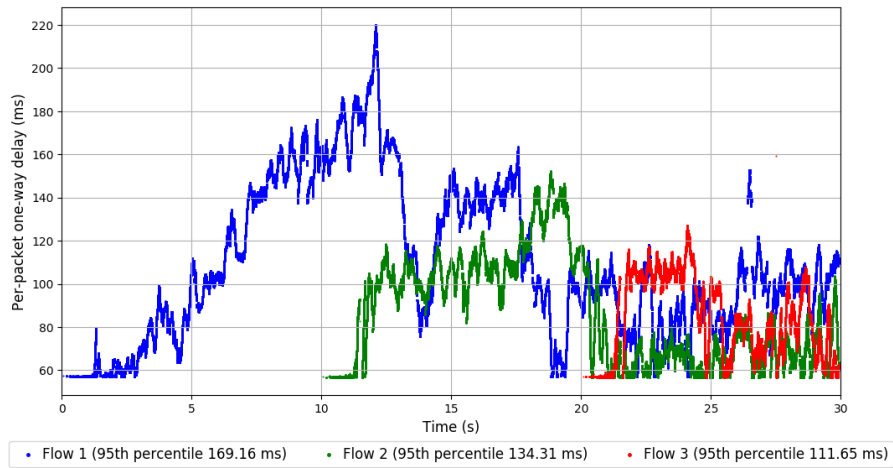
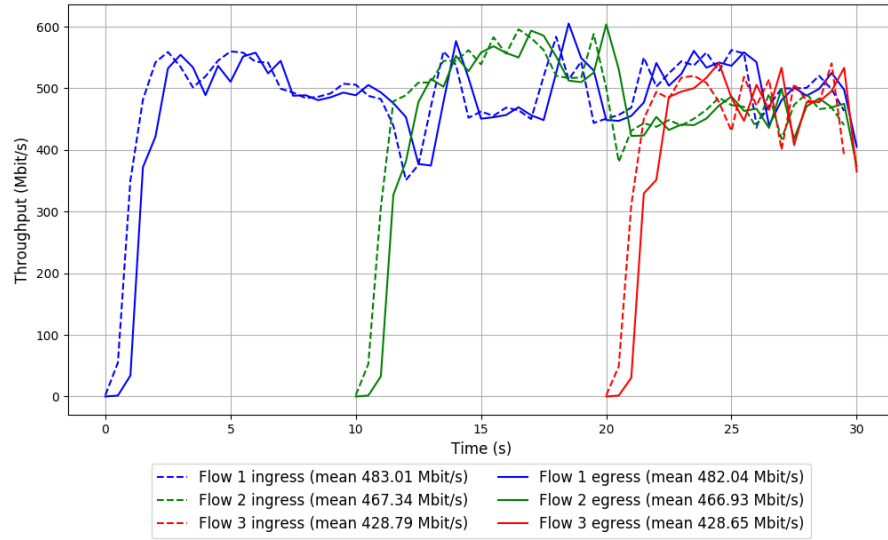


Run 4: Statistics of TCP Cubic

Start at: 2019-11-25 05:39:38
End at: 2019-11-25 05:40:08
Local clock offset: -0.101 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2019-11-25 07:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 933.91 Mbit/s
95th percentile per-packet one-way delay: 159.914 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 482.04 Mbit/s
95th percentile per-packet one-way delay: 169.156 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 466.93 Mbit/s
95th percentile per-packet one-way delay: 134.315 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 428.65 Mbit/s
95th percentile per-packet one-way delay: 111.648 ms
Loss rate: 1.17%

Run 4: Report of TCP Cubic — Data Link

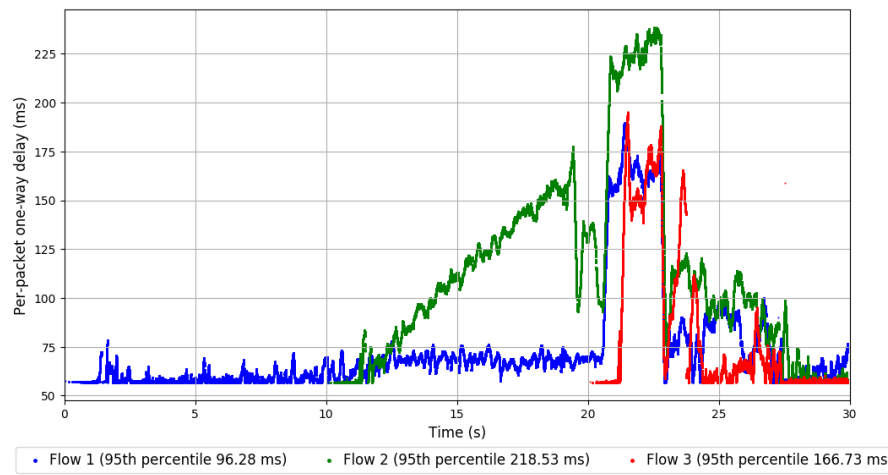
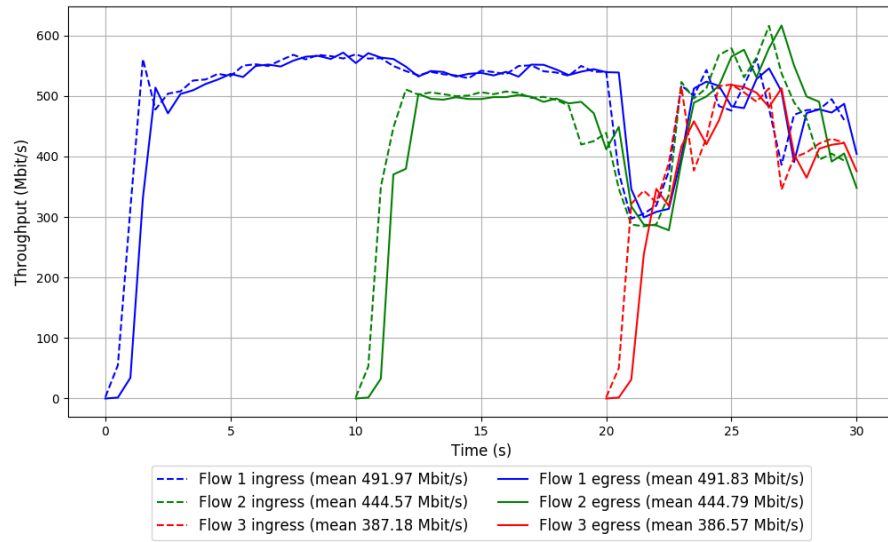


Run 5: Statistics of TCP Cubic

Start at: 2019-11-25 06:20:39
End at: 2019-11-25 06:21:09
Local clock offset: -0.081 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2019-11-25 07:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 915.19 Mbit/s
95th percentile per-packet one-way delay: 162.359 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 491.83 Mbit/s
95th percentile per-packet one-way delay: 96.283 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 444.79 Mbit/s
95th percentile per-packet one-way delay: 218.530 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 386.57 Mbit/s
95th percentile per-packet one-way delay: 166.727 ms
Loss rate: 1.29%

Run 5: Report of TCP Cubic — Data Link

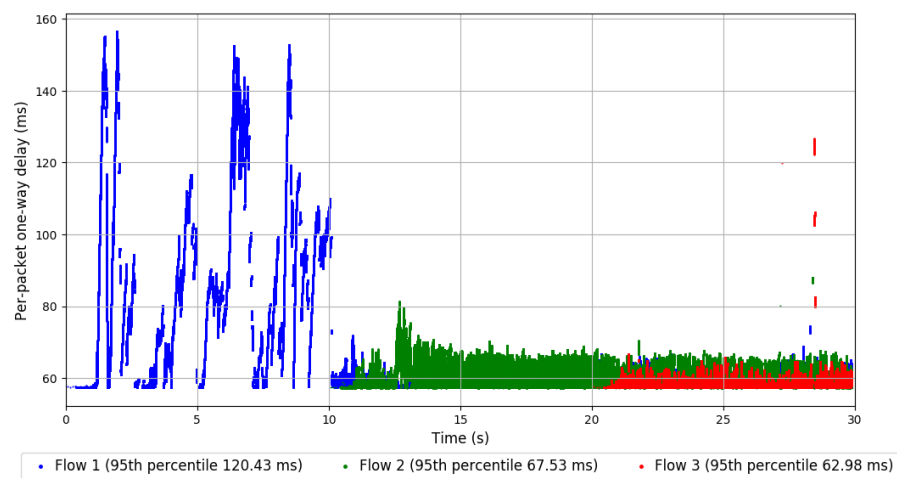
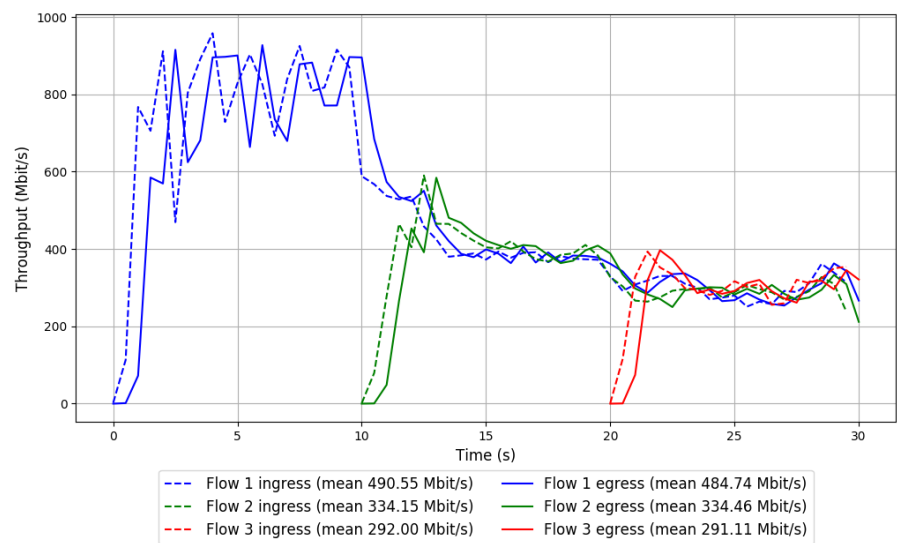


Run 1: Statistics of FillP

Start at: 2019-11-25 03:26:51
End at: 2019-11-25 03:27:21
Local clock offset: 0.286 ms
Remote clock offset: -0.319 ms

Below is generated by plot.py at 2019-11-25 07:16:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 802.63 Mbit/s
95th percentile per-packet one-way delay: 107.135 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 484.74 Mbit/s
95th percentile per-packet one-way delay: 120.434 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 334.46 Mbit/s
95th percentile per-packet one-way delay: 67.534 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 291.11 Mbit/s
95th percentile per-packet one-way delay: 62.981 ms
Loss rate: 1.57%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-11-25 04:07:38

End at: 2019-11-25 04:08:08

Local clock offset: -0.053 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2019-11-25 07:30:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 819.18 Mbit/s

95th percentile per-packet one-way delay: 81.681 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 509.93 Mbit/s

95th percentile per-packet one-way delay: 90.388 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 345.64 Mbit/s

95th percentile per-packet one-way delay: 63.513 ms

Loss rate: 0.46%

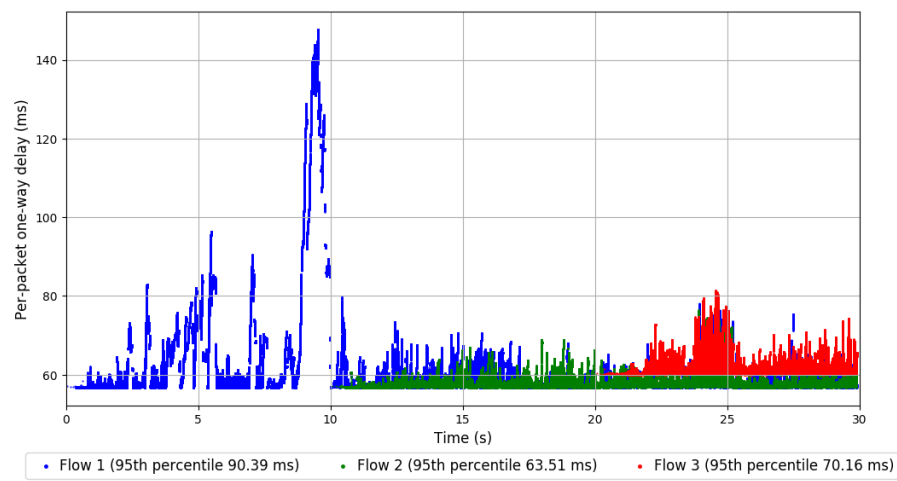
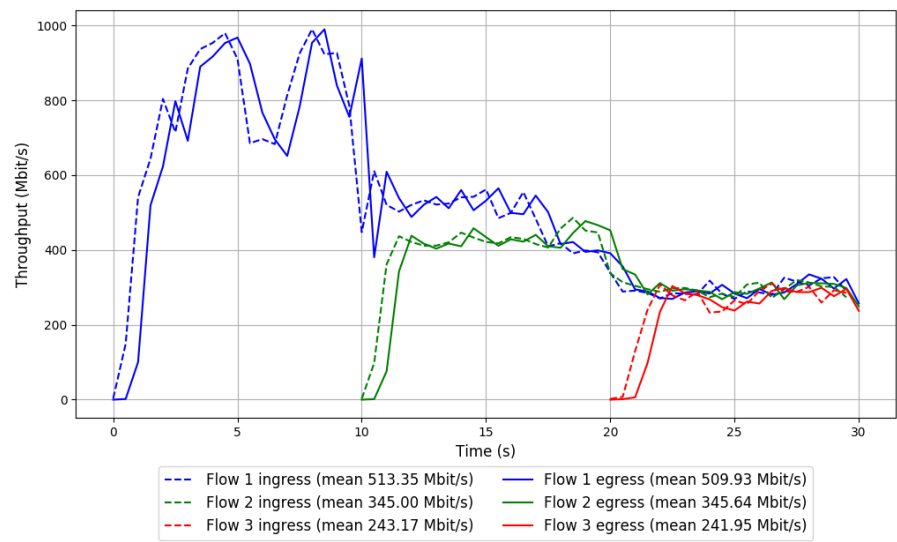
-- Flow 3:

Average throughput: 241.95 Mbit/s

95th percentile per-packet one-way delay: 70.155 ms

Loss rate: 1.50%

Run 2: Report of FillP — Data Link

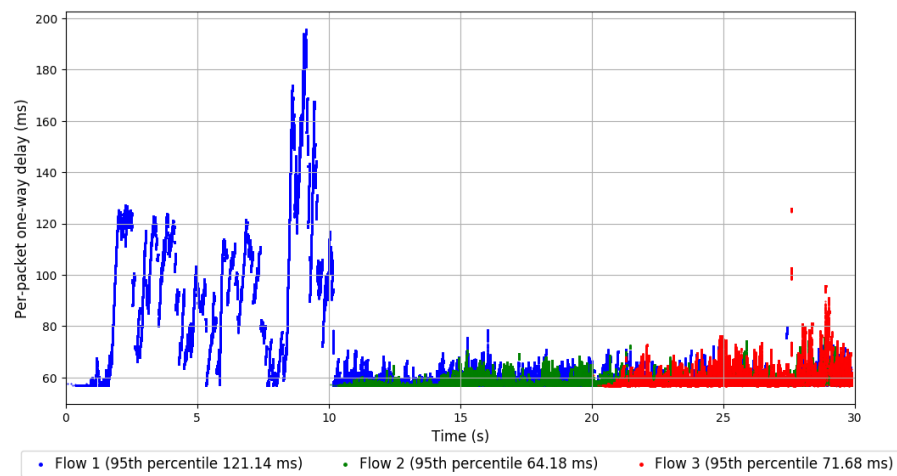
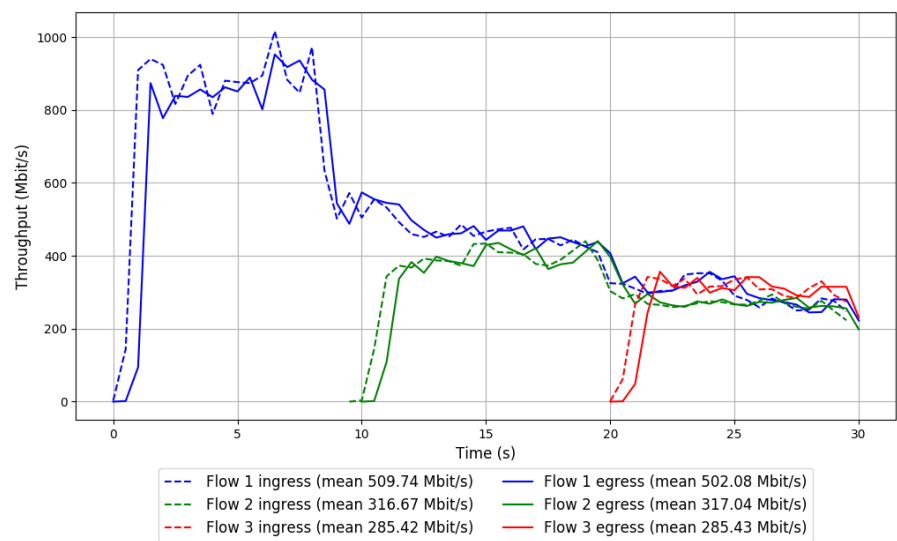


Run 3: Statistics of FillP

Start at: 2019-11-25 04:48:13
End at: 2019-11-25 04:48:43
Local clock offset: -0.178 ms
Remote clock offset: -0.1 ms

Below is generated by plot.py at 2019-11-25 07:30:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 806.53 Mbit/s
95th percentile per-packet one-way delay: 117.556 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 502.08 Mbit/s
95th percentile per-packet one-way delay: 121.135 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 317.04 Mbit/s
95th percentile per-packet one-way delay: 64.177 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 285.43 Mbit/s
95th percentile per-packet one-way delay: 71.684 ms
Loss rate: 1.19%

Run 3: Report of FillP — Data Link

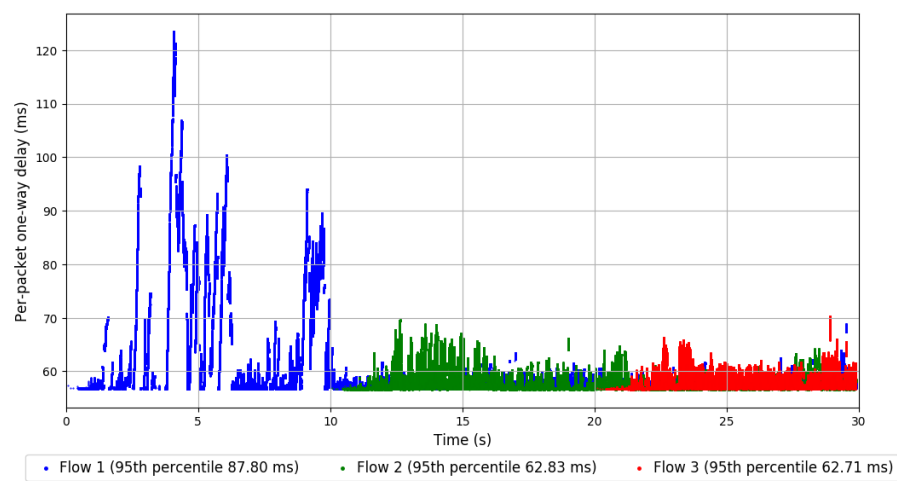
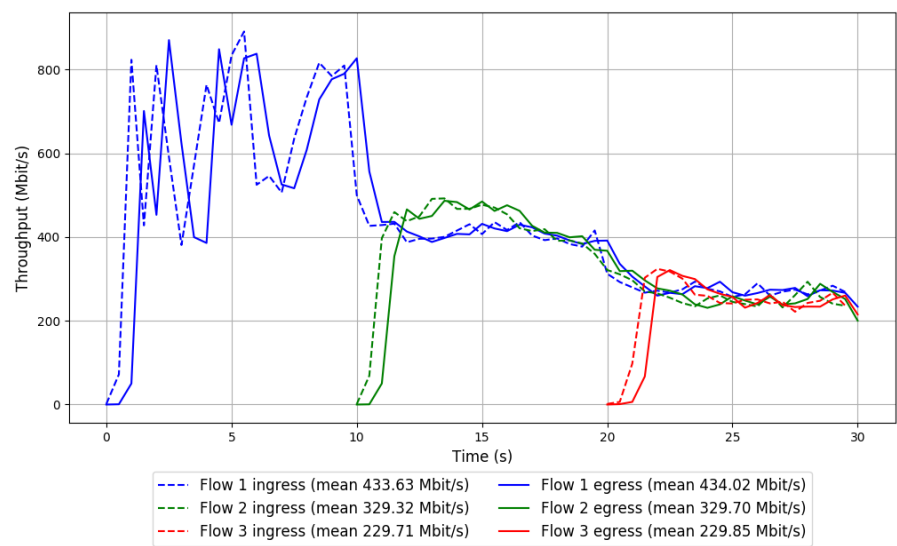


Run 4: Statistics of FillP

Start at: 2019-11-25 05:29:07
End at: 2019-11-25 05:29:37
Local clock offset: -0.227 ms
Remote clock offset: 0.053 ms

Below is generated by plot.py at 2019-11-25 07:30:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 728.52 Mbit/s
95th percentile per-packet one-way delay: 82.175 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 434.02 Mbit/s
95th percentile per-packet one-way delay: 87.802 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 329.70 Mbit/s
95th percentile per-packet one-way delay: 62.832 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 229.85 Mbit/s
95th percentile per-packet one-way delay: 62.706 ms
Loss rate: 1.26%

Run 4: Report of FillP — Data Link

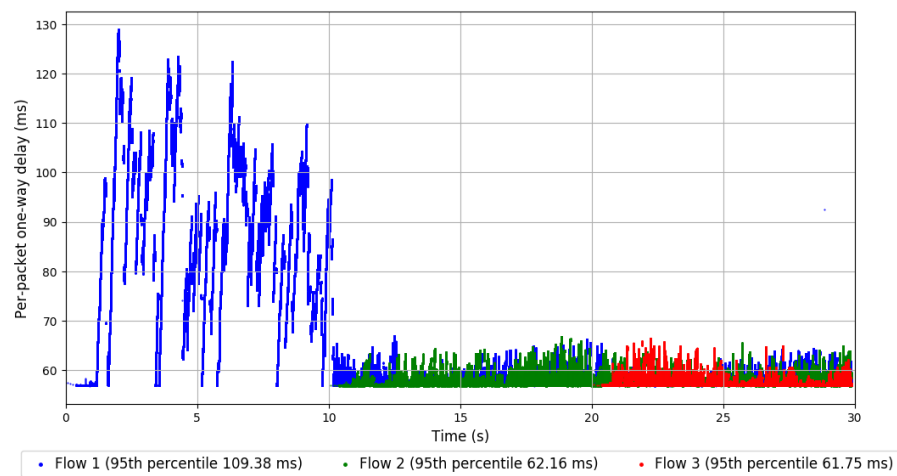
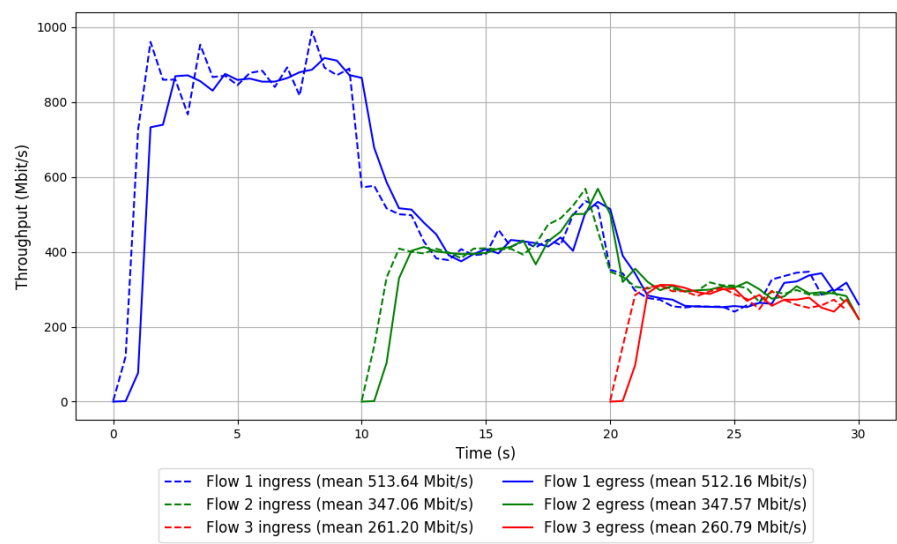


Run 5: Statistics of FillP

Start at: 2019-11-25 06:10:03
End at: 2019-11-25 06:10:33
Local clock offset: -0.048 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2019-11-25 07:32:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 828.63 Mbit/s
95th percentile per-packet one-way delay: 103.996 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 512.16 Mbit/s
95th percentile per-packet one-way delay: 109.376 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 347.57 Mbit/s
95th percentile per-packet one-way delay: 62.156 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 260.79 Mbit/s
95th percentile per-packet one-way delay: 61.746 ms
Loss rate: 1.25%

Run 5: Report of FillP — Data Link

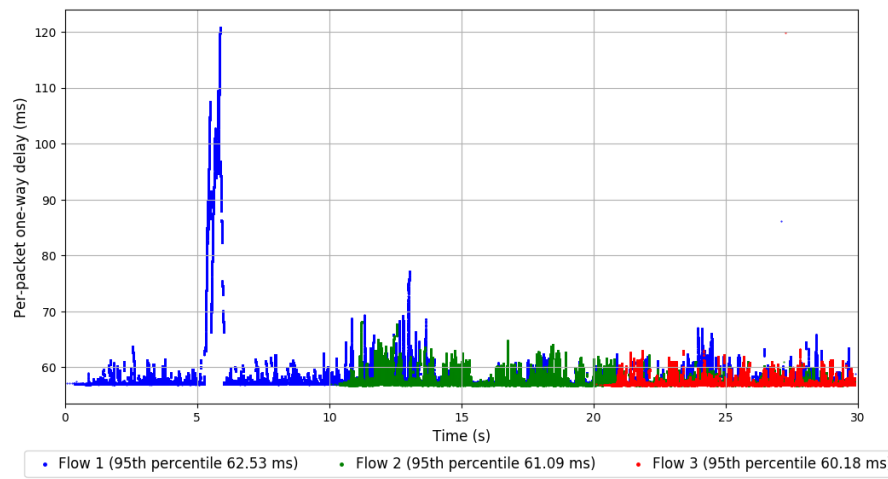
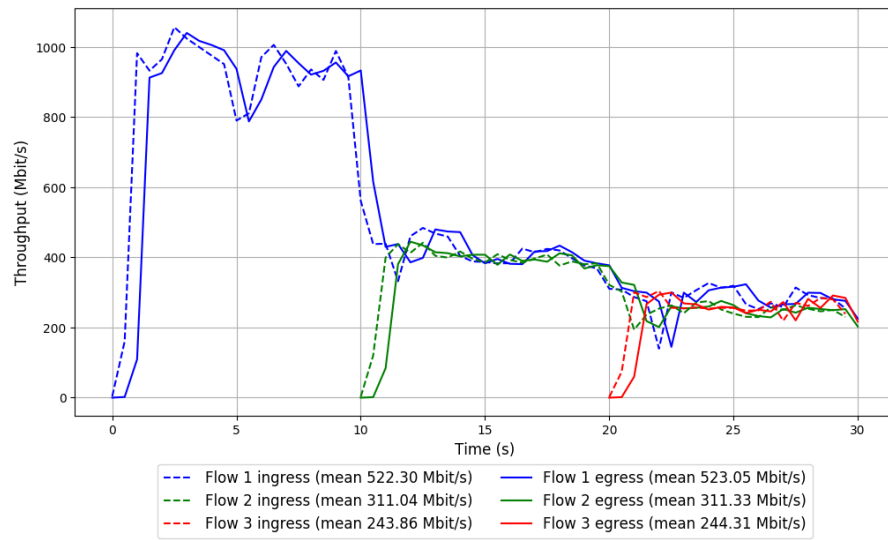


Run 1: Statistics of FillP-Sheep

Start at: 2019-11-25 03:28:37
End at: 2019-11-25 03:29:07
Local clock offset: -0.066 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2019-11-25 07:32:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 810.08 Mbit/s
95th percentile per-packet one-way delay: 61.433 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 523.05 Mbit/s
95th percentile per-packet one-way delay: 62.535 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 311.33 Mbit/s
95th percentile per-packet one-way delay: 61.095 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 244.31 Mbit/s
95th percentile per-packet one-way delay: 60.178 ms
Loss rate: 0.89%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-11-25 04:09:26

End at: 2019-11-25 04:09:56

Local clock offset: -0.031 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-11-25 07:32:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 747.32 Mbit/s

95th percentile per-packet one-way delay: 63.505 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 466.65 Mbit/s

95th percentile per-packet one-way delay: 67.014 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 304.05 Mbit/s

95th percentile per-packet one-way delay: 60.185 ms

Loss rate: 0.51%

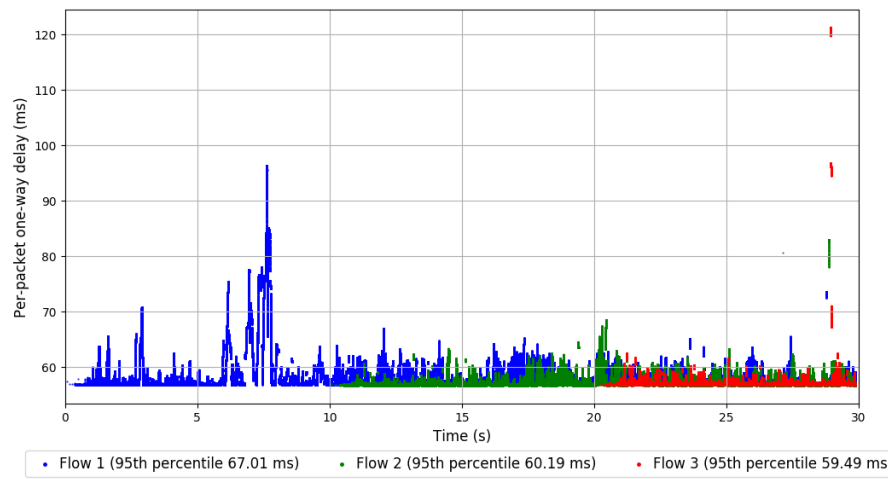
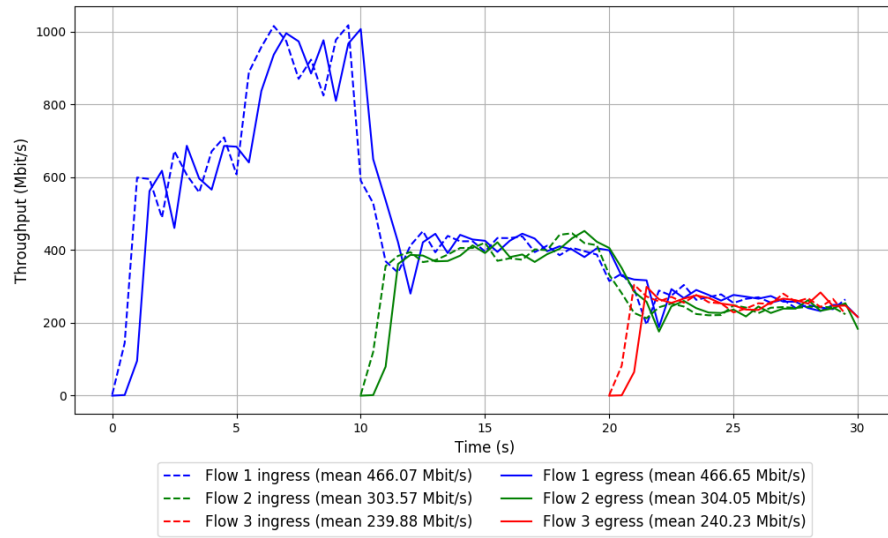
-- Flow 3:

Average throughput: 240.23 Mbit/s

95th percentile per-packet one-way delay: 59.487 ms

Loss rate: 0.98%

Run 2: Report of FillP-Sheep — Data Link

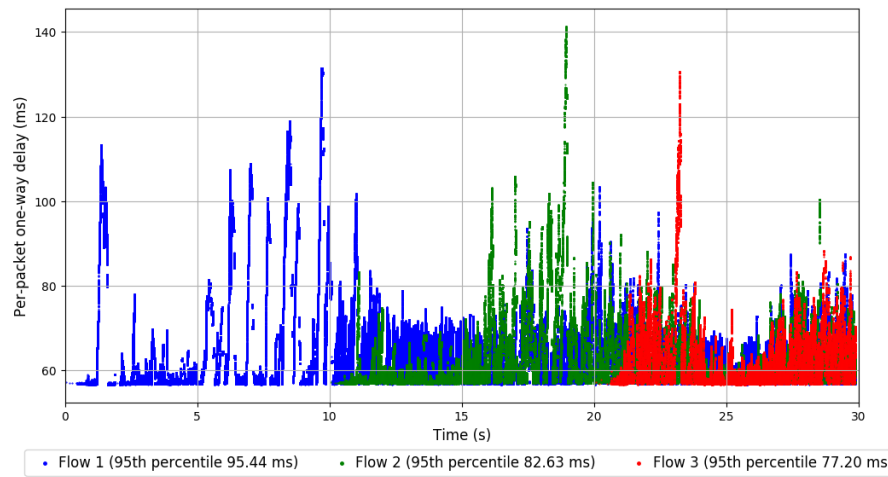
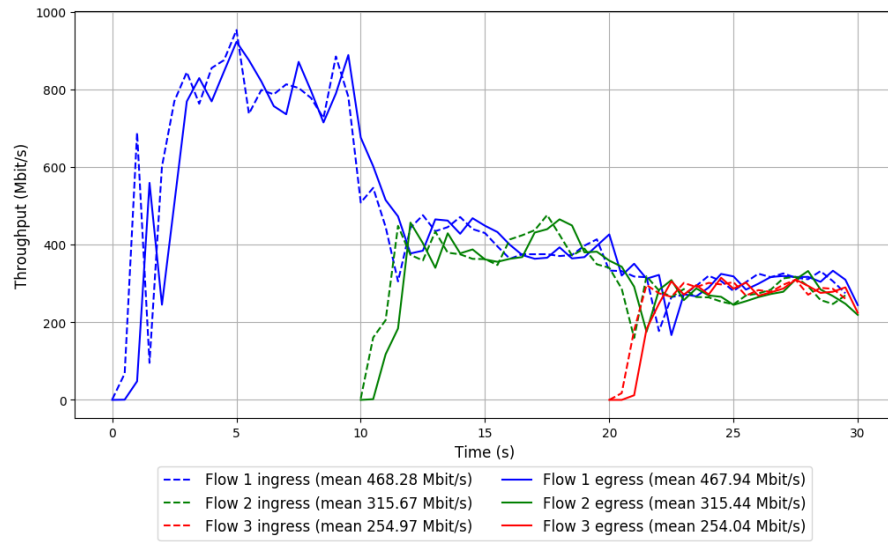


Run 3: Statistics of FillP-Sheep

Start at: 2019-11-25 04:50:01
End at: 2019-11-25 04:50:31
Local clock offset: -0.205 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2019-11-25 07:32:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 761.19 Mbit/s
95th percentile per-packet one-way delay: 91.938 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 467.94 Mbit/s
95th percentile per-packet one-way delay: 95.440 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 315.44 Mbit/s
95th percentile per-packet one-way delay: 82.632 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 254.04 Mbit/s
95th percentile per-packet one-way delay: 77.198 ms
Loss rate: 1.49%

Run 3: Report of FillP-Sheep — Data Link

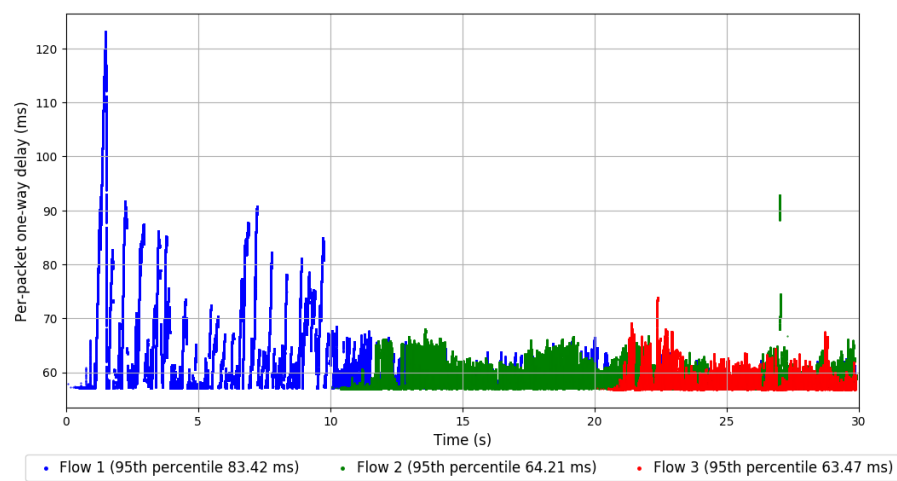
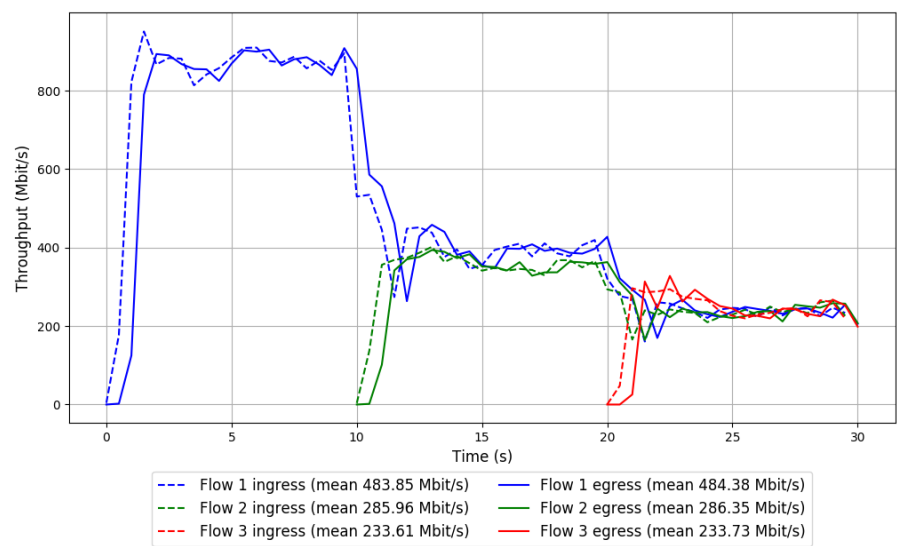


Run 4: Statistics of FillP-Sheep

Start at: 2019-11-25 05:30:50
End at: 2019-11-25 05:31:20
Local clock offset: -0.139 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2019-11-25 07:32:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 751.10 Mbit/s
95th percentile per-packet one-way delay: 78.231 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 484.38 Mbit/s
95th percentile per-packet one-way delay: 83.420 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 286.35 Mbit/s
95th percentile per-packet one-way delay: 64.212 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 233.73 Mbit/s
95th percentile per-packet one-way delay: 63.465 ms
Loss rate: 1.33%

Run 4: Report of FillP-Sheep — Data Link

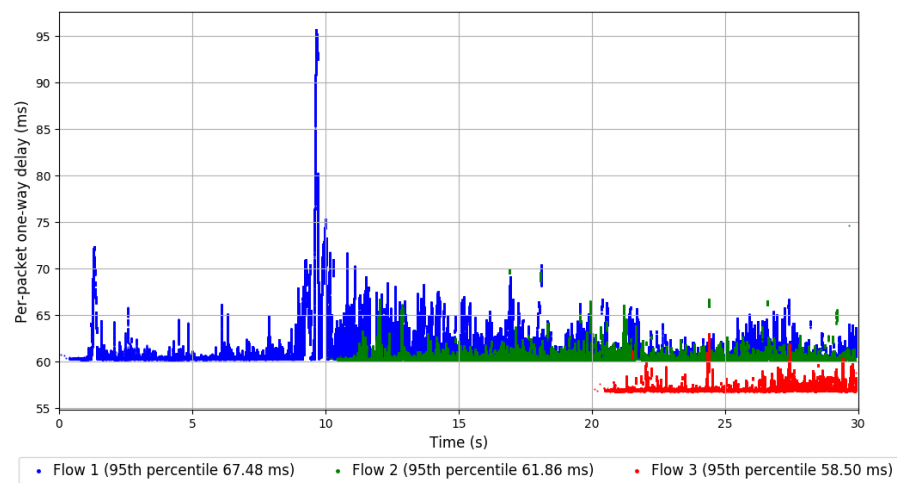
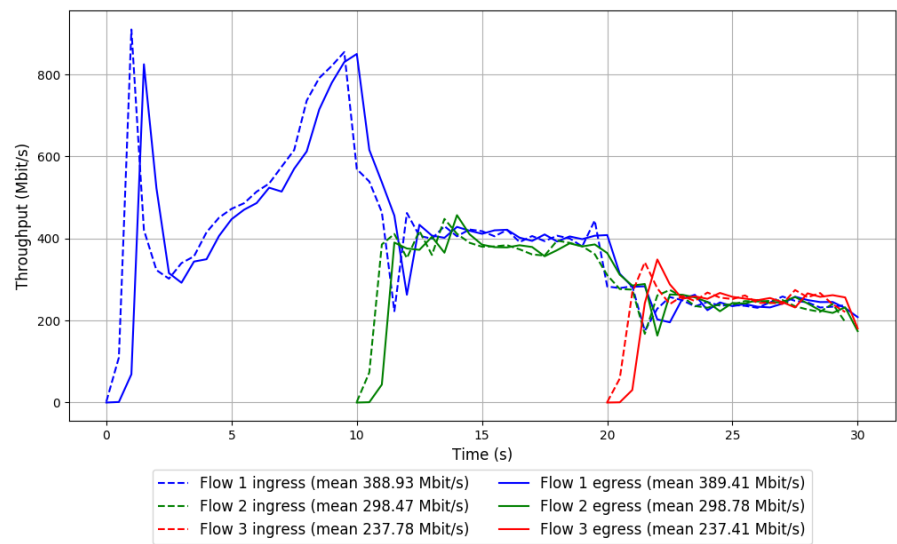


Run 5: Statistics of FillP-Sheep

Start at: 2019-11-25 06:11:50
End at: 2019-11-25 06:12:20
Local clock offset: -0.089 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2019-11-25 07:44:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 665.86 Mbit/s
95th percentile per-packet one-way delay: 65.298 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 389.41 Mbit/s
95th percentile per-packet one-way delay: 67.481 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 298.78 Mbit/s
95th percentile per-packet one-way delay: 61.864 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 237.41 Mbit/s
95th percentile per-packet one-way delay: 58.501 ms
Loss rate: 1.29%

Run 5: Report of FillP-Sheep — Data Link

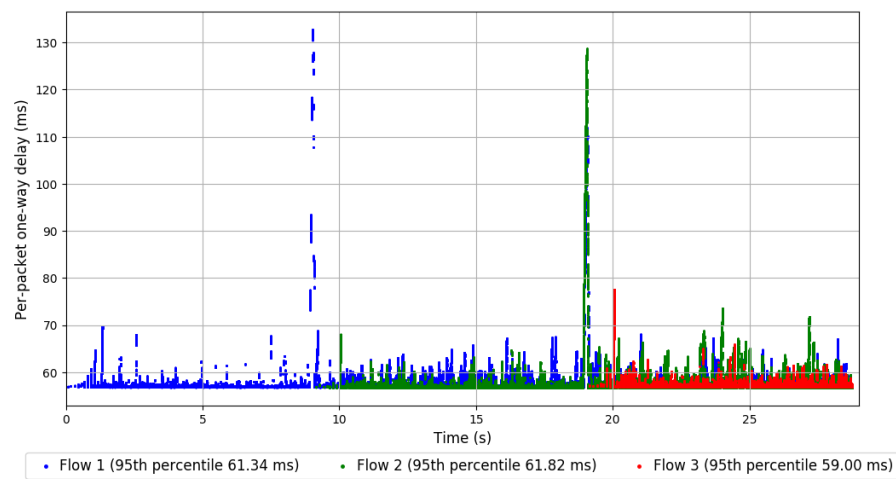
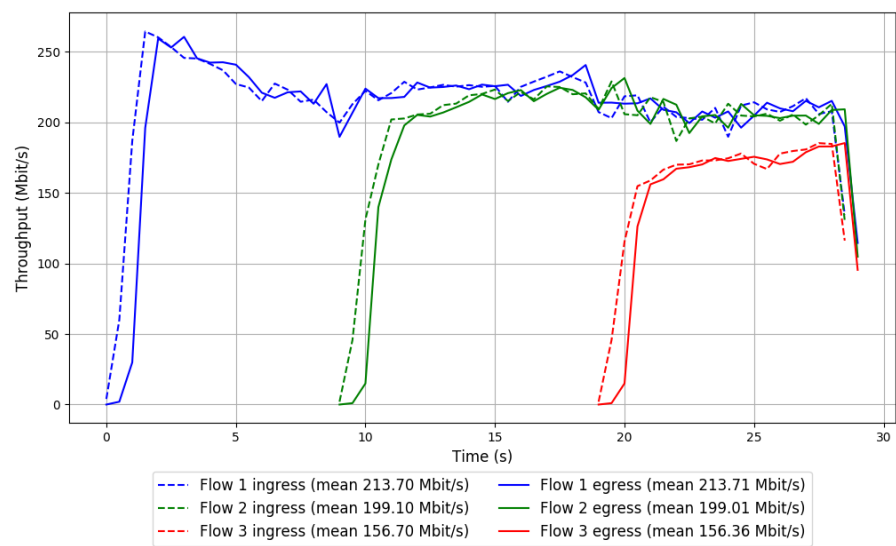


```
Run 1: Statistics of Indigo

Start at: 2019-11-25 03:17:11
End at: 2019-11-25 03:17:41
Local clock offset: -0.041 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2019-11-25 07:44:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 401.98 Mbit/s
95th percentile per-packet one-way delay: 61.230 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 213.71 Mbit/s
95th percentile per-packet one-way delay: 61.342 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 199.01 Mbit/s
95th percentile per-packet one-way delay: 61.824 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 156.36 Mbit/s
95th percentile per-packet one-way delay: 59.002 ms
Loss rate: 1.38%
```

Run 1: Report of Indigo — Data Link

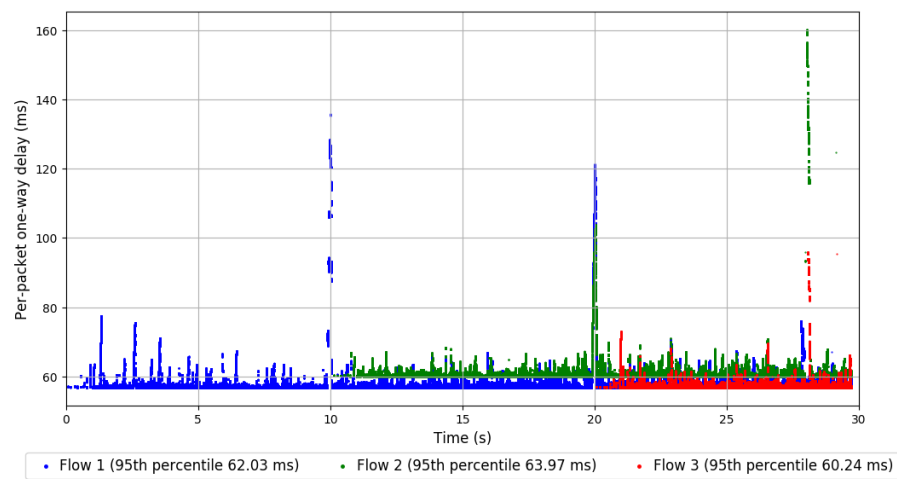
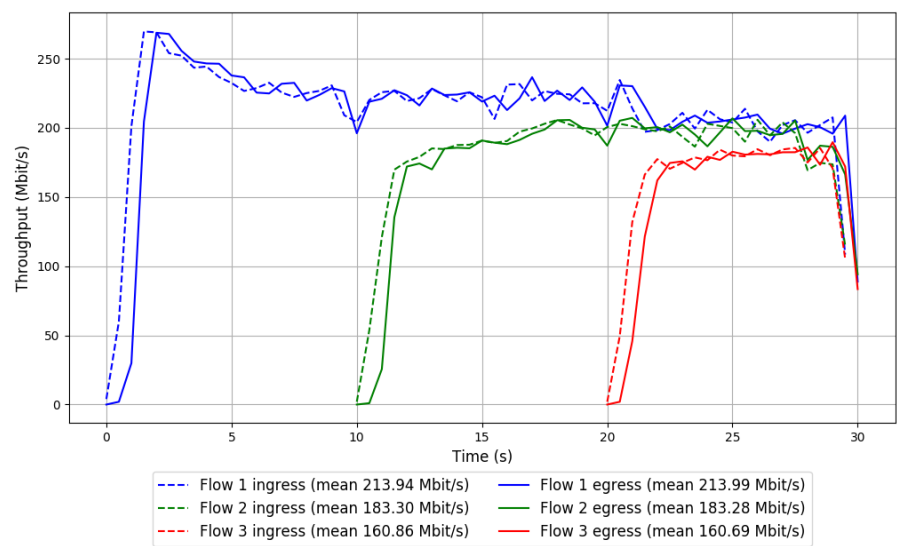


Run 2: Statistics of Indigo

Start at: 2019-11-25 03:57:59
End at: 2019-11-25 03:58:29
Local clock offset: -0.053 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2019-11-25 07:44:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 387.30 Mbit/s
95th percentile per-packet one-way delay: 62.797 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 213.99 Mbit/s
95th percentile per-packet one-way delay: 62.034 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 183.28 Mbit/s
95th percentile per-packet one-way delay: 63.968 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 160.69 Mbit/s
95th percentile per-packet one-way delay: 60.237 ms
Loss rate: 1.28%

Run 2: Report of Indigo — Data Link

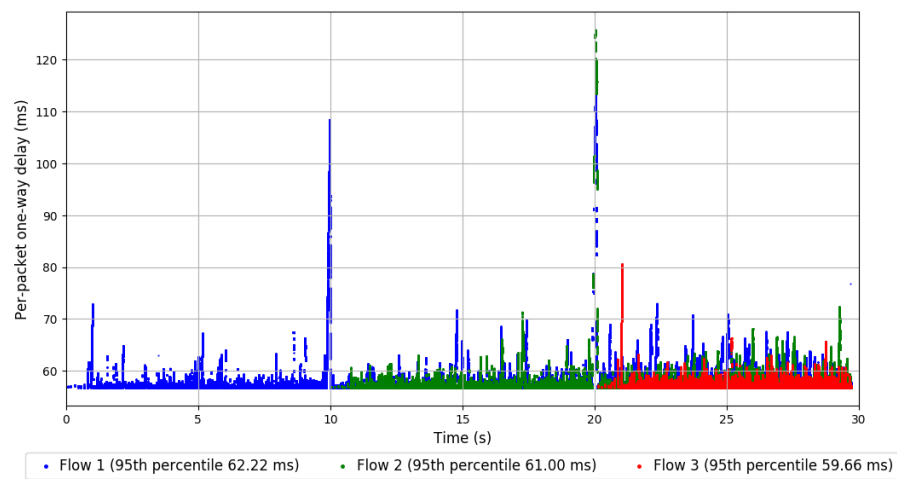
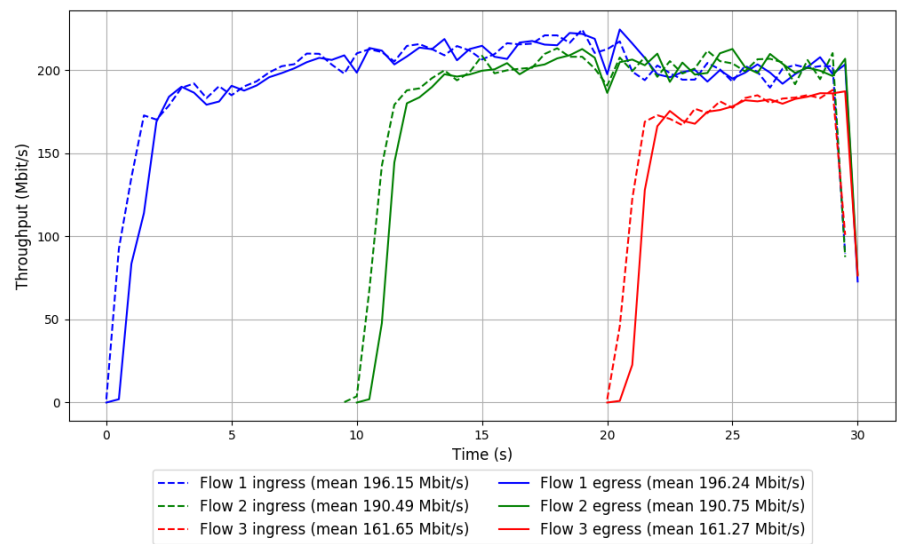


Run 3: Statistics of Indigo

Start at: 2019-11-25 04:38:41
End at: 2019-11-25 04:39:11
Local clock offset: -0.2 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2019-11-25 07:44:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.84 Mbit/s
95th percentile per-packet one-way delay: 61.407 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 196.24 Mbit/s
95th percentile per-packet one-way delay: 62.218 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 190.75 Mbit/s
95th percentile per-packet one-way delay: 60.997 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 161.27 Mbit/s
95th percentile per-packet one-way delay: 59.662 ms
Loss rate: 1.39%

Run 3: Report of Indigo — Data Link

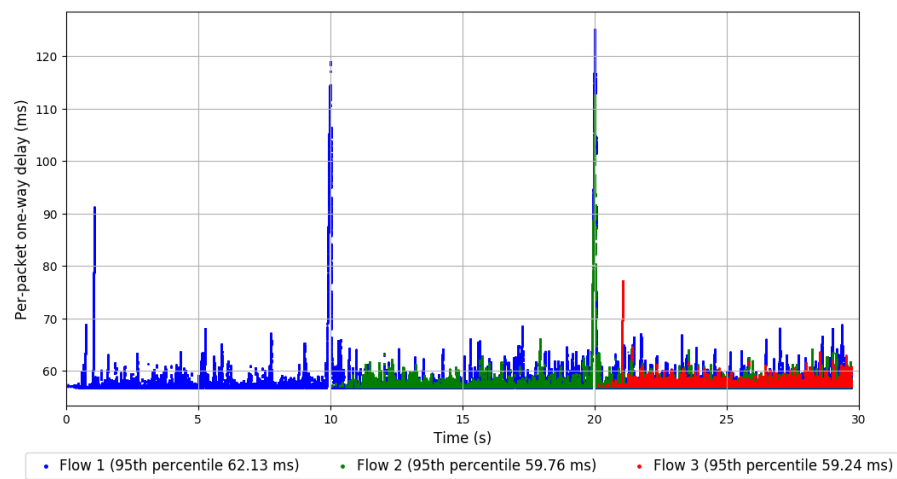
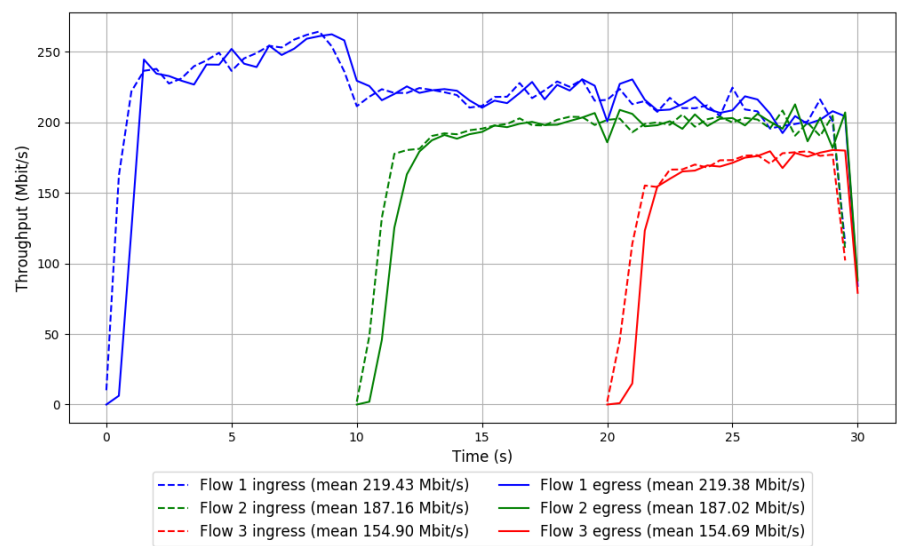


Run 4: Statistics of Indigo

Start at: 2019-11-25 05:19:24
End at: 2019-11-25 05:19:54
Local clock offset: -0.139 ms
Remote clock offset: -0.093 ms

```
# Below is generated by plot.py at 2019-11-25 07:44:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 393.10 Mbit/s
95th percentile per-packet one-way delay: 61.085 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 219.38 Mbit/s
95th percentile per-packet one-way delay: 62.127 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 187.02 Mbit/s
95th percentile per-packet one-way delay: 59.760 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 154.69 Mbit/s
95th percentile per-packet one-way delay: 59.243 ms
Loss rate: 1.33%
```

Run 4: Report of Indigo — Data Link

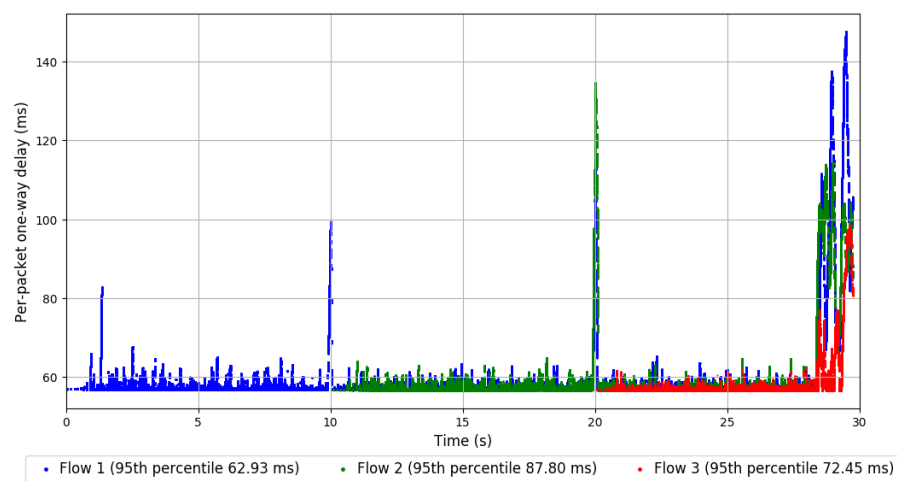
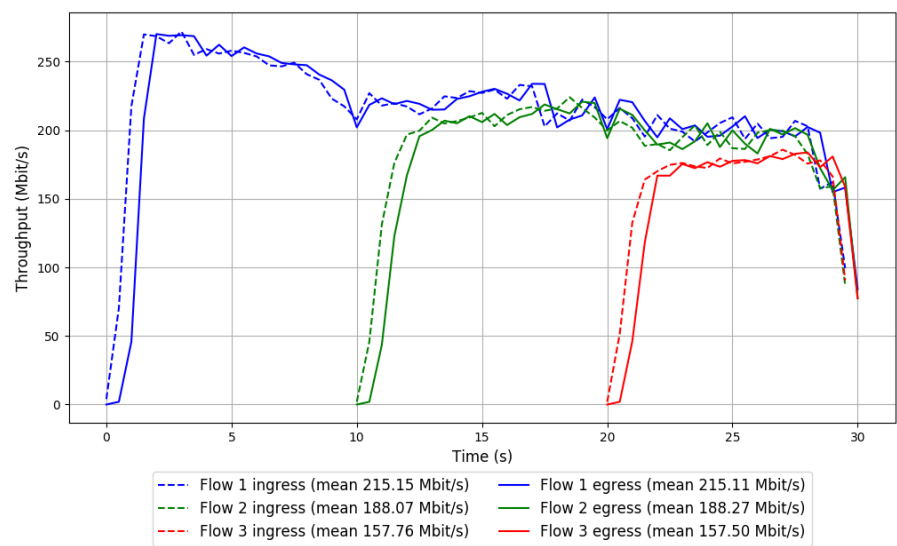


Run 5: Statistics of Indigo

Start at: 2019-11-25 06:00:23
End at: 2019-11-25 06:00:53
Local clock offset: -0.079 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-11-25 07:45:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 390.96 Mbit/s
95th percentile per-packet one-way delay: 68.769 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 215.11 Mbit/s
95th percentile per-packet one-way delay: 62.932 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 188.27 Mbit/s
95th percentile per-packet one-way delay: 87.798 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 157.50 Mbit/s
95th percentile per-packet one-way delay: 72.446 ms
Loss rate: 1.34%

Run 5: Report of Indigo — Data Link

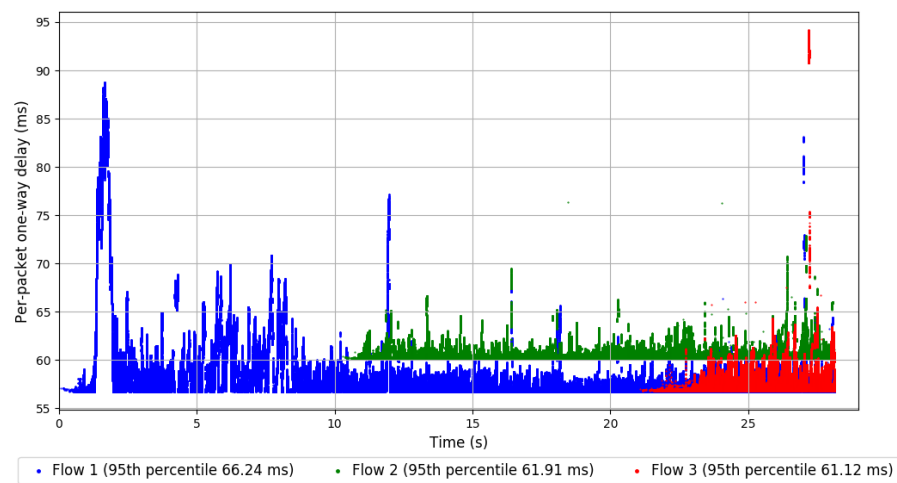
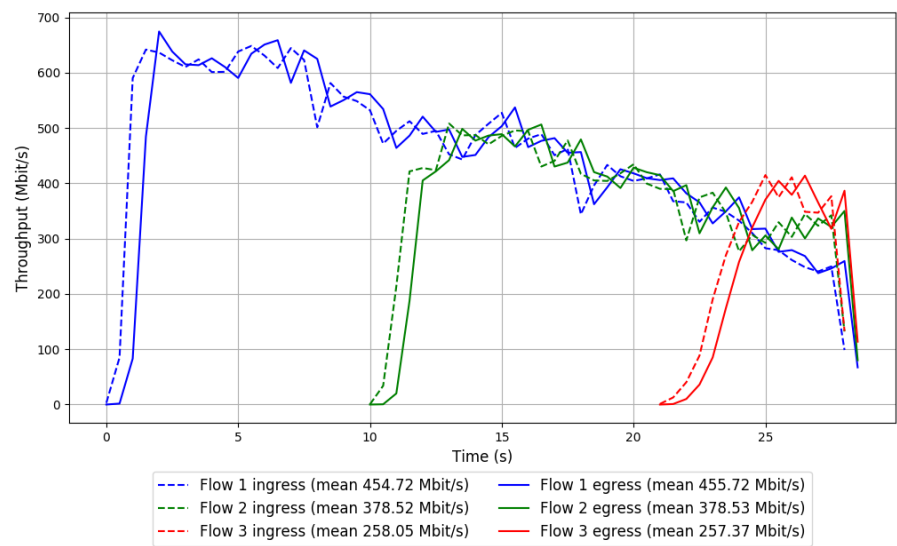


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-11-25 03:01:28
End at: 2019-11-25 03:01:58
Local clock offset: -0.065 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2019-11-25 07:45:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 761.15 Mbit/s
95th percentile per-packet one-way delay: 63.834 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 455.72 Mbit/s
95th percentile per-packet one-way delay: 66.237 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 378.53 Mbit/s
95th percentile per-packet one-way delay: 61.909 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 257.37 Mbit/s
95th percentile per-packet one-way delay: 61.123 ms
Loss rate: 1.86%

Run 1: Report of Indigo-MusesC3 — Data Link

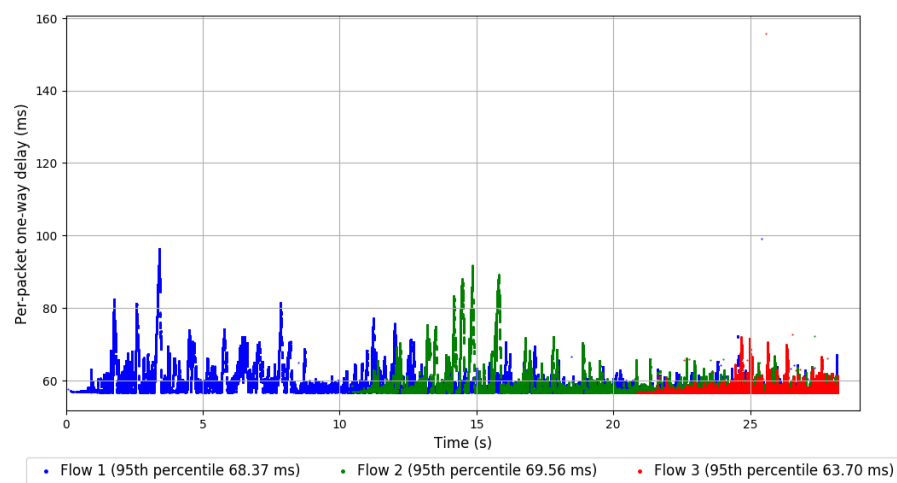
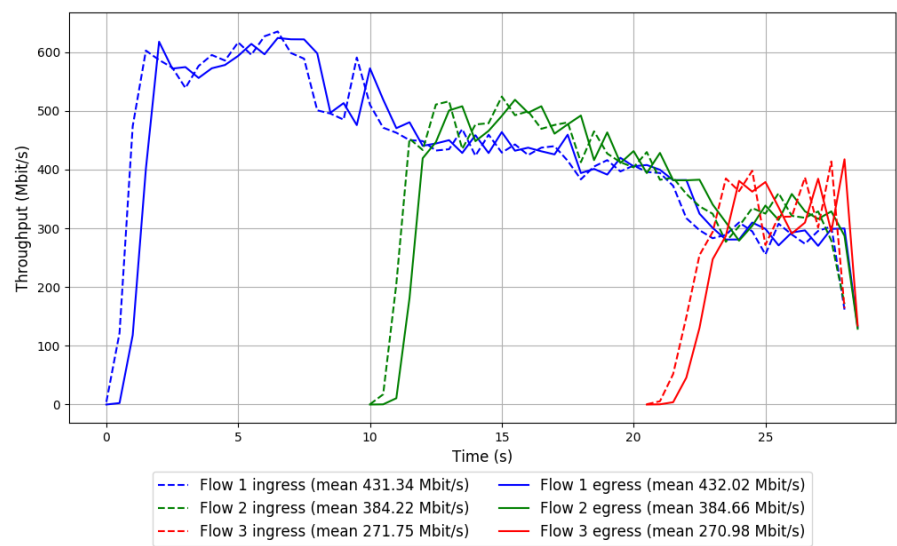


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-11-25 03:42:24
End at: 2019-11-25 03:42:54
Local clock offset: -0.097 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2019-11-25 07:46:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 747.31 Mbit/s
95th percentile per-packet one-way delay: 68.304 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 432.02 Mbit/s
95th percentile per-packet one-way delay: 68.369 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 384.66 Mbit/s
95th percentile per-packet one-way delay: 69.555 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 270.98 Mbit/s
95th percentile per-packet one-way delay: 63.705 ms
Loss rate: 1.81%

Run 2: Report of Indigo-MusesC3 — Data Link

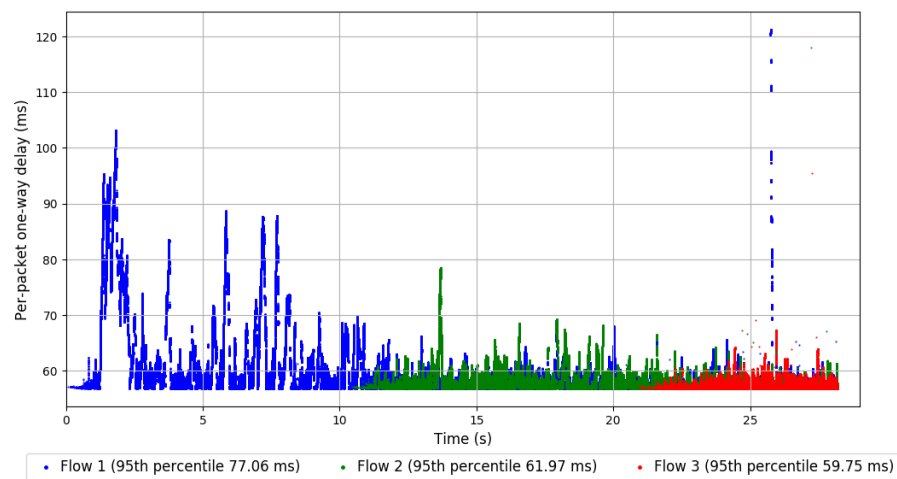
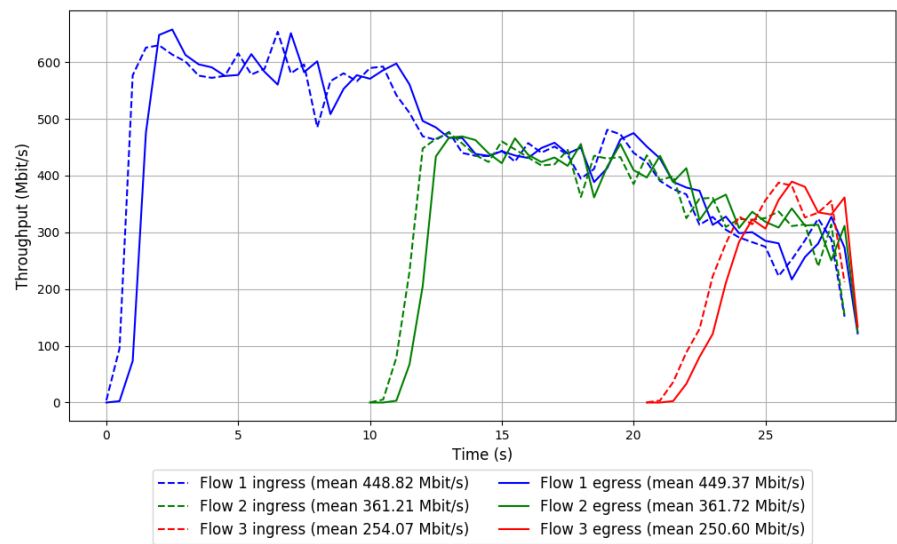


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-11-25 04:23:12
End at: 2019-11-25 04:23:42
Local clock offset: -0.028 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2019-11-25 07:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 742.42 Mbit/s
95th percentile per-packet one-way delay: 71.205 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 449.37 Mbit/s
95th percentile per-packet one-way delay: 77.059 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 361.72 Mbit/s
95th percentile per-packet one-way delay: 61.965 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 250.60 Mbit/s
95th percentile per-packet one-way delay: 59.754 ms
Loss rate: 2.91%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-11-25 05:03:47

End at: 2019-11-25 05:04:17

Local clock offset: 0.148 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2019-11-25 07:57:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 750.01 Mbit/s

95th percentile per-packet one-way delay: 77.929 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 431.49 Mbit/s

95th percentile per-packet one-way delay: 80.278 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 380.07 Mbit/s

95th percentile per-packet one-way delay: 69.237 ms

Loss rate: 0.42%

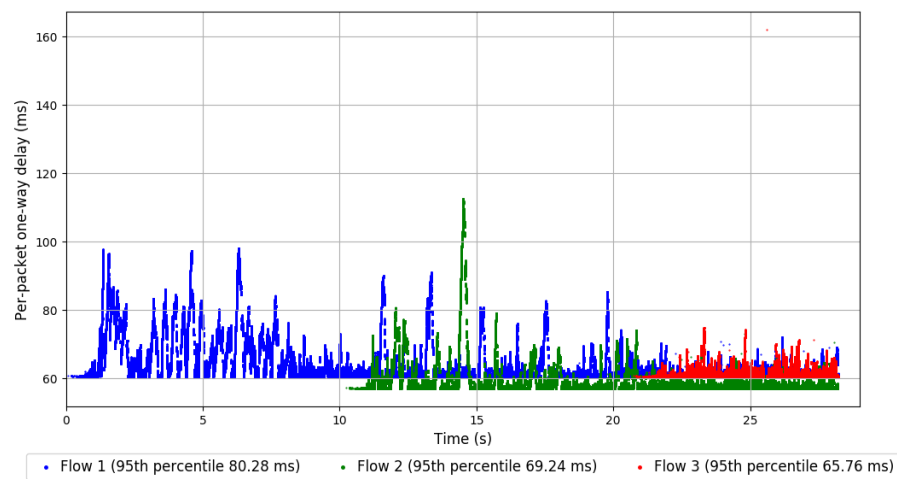
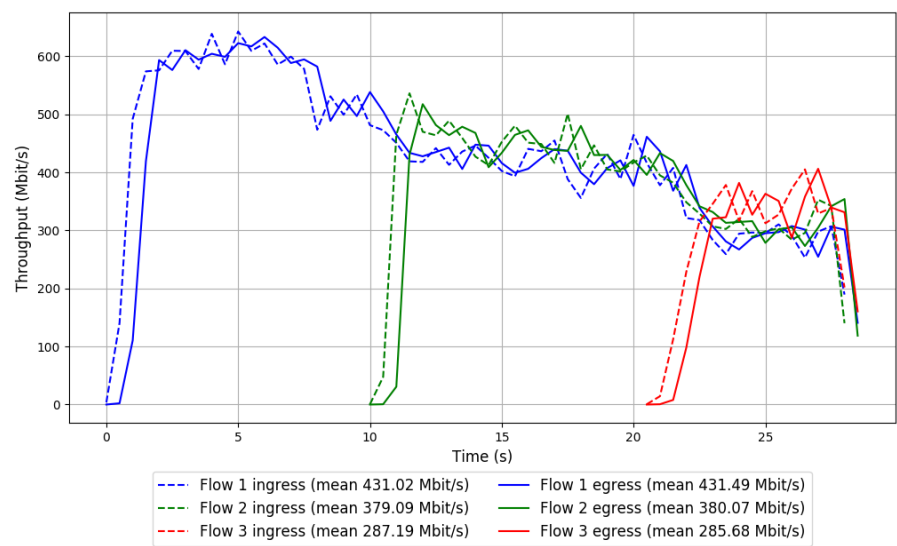
-- Flow 3:

Average throughput: 285.68 Mbit/s

95th percentile per-packet one-way delay: 65.760 ms

Loss rate: 2.09%

Run 4: Report of Indigo-MusesC3 — Data Link

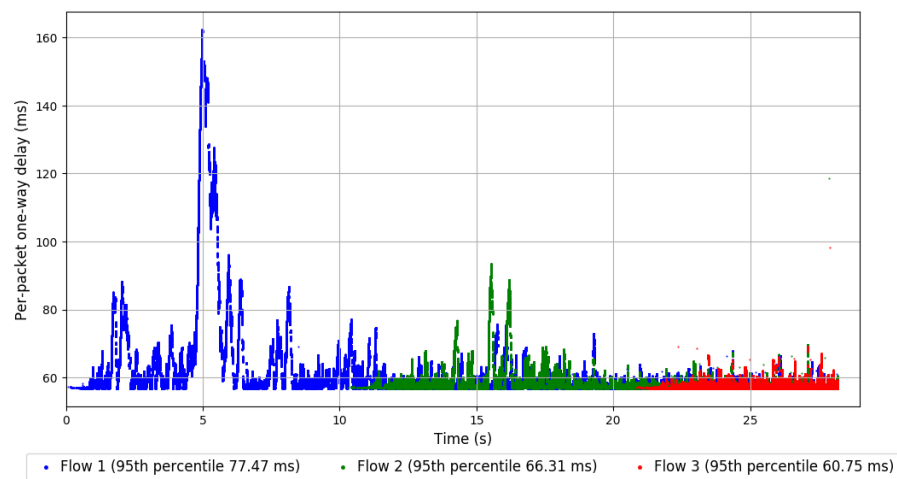
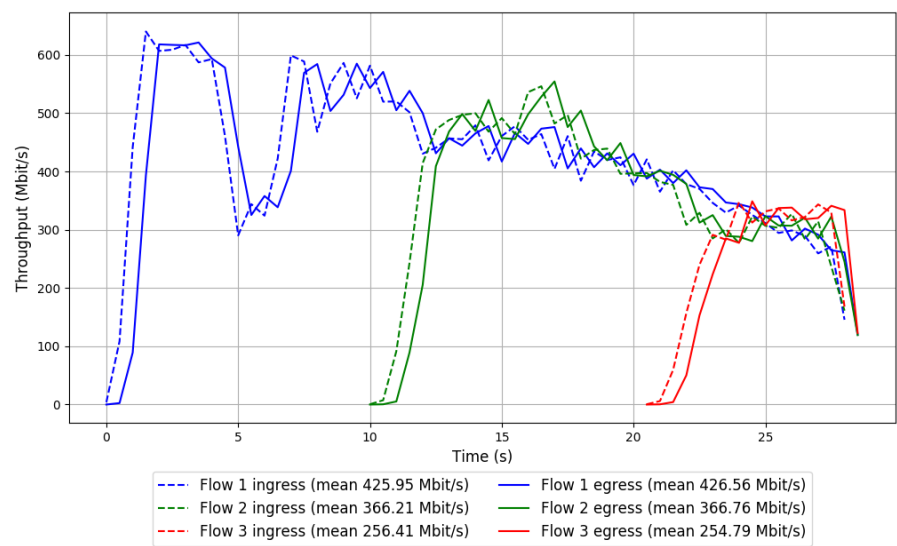


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-11-25 05:44:39
End at: 2019-11-25 05:45:09
Local clock offset: -0.061 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2019-11-25 07:57:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 726.69 Mbit/s
95th percentile per-packet one-way delay: 72.714 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 426.56 Mbit/s
95th percentile per-packet one-way delay: 77.466 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 366.76 Mbit/s
95th percentile per-packet one-way delay: 66.308 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 254.79 Mbit/s
95th percentile per-packet one-way delay: 60.750 ms
Loss rate: 2.14%

Run 5: Report of Indigo-MusesC3 — Data Link

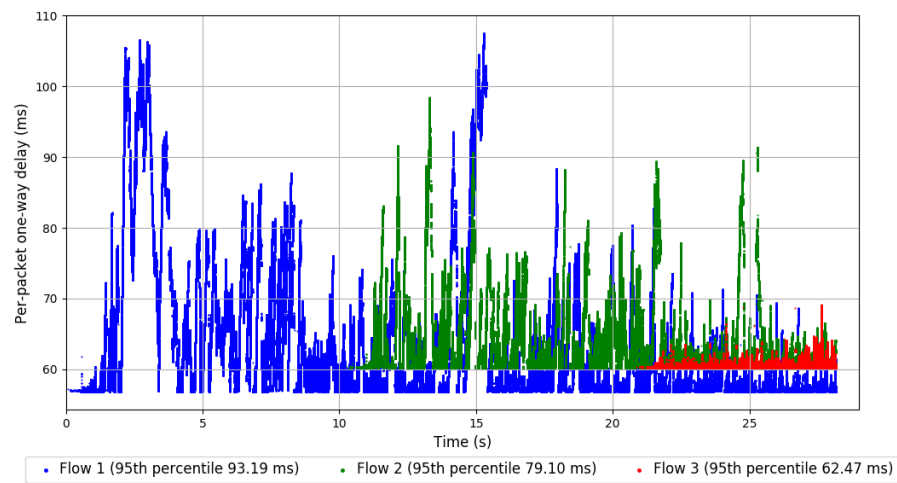
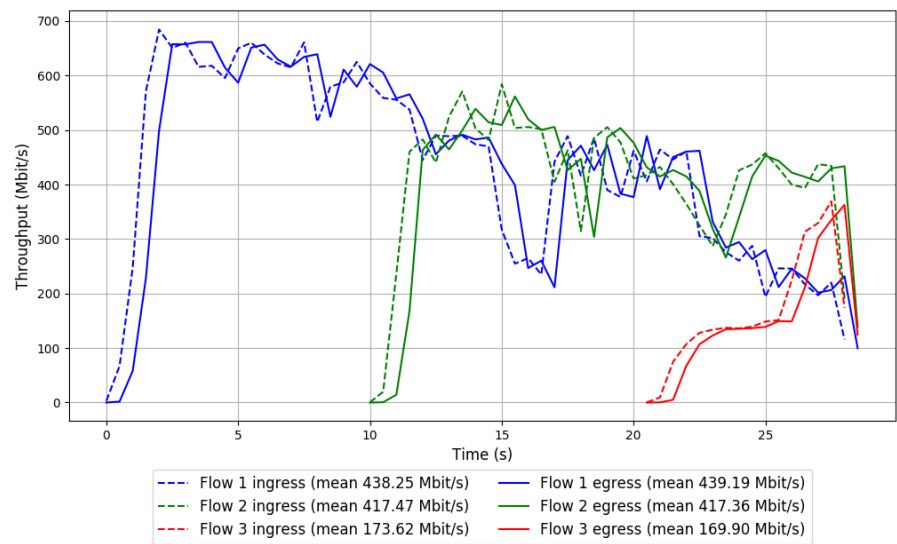


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-11-25 03:30:22
End at: 2019-11-25 03:30:52
Local clock offset: -0.095 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2019-11-25 07:57:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 748.96 Mbit/s
95th percentile per-packet one-way delay: 86.658 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 439.19 Mbit/s
95th percentile per-packet one-way delay: 93.193 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 417.36 Mbit/s
95th percentile per-packet one-way delay: 79.102 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 169.90 Mbit/s
95th percentile per-packet one-way delay: 62.469 ms
Loss rate: 3.68%

Run 1: Report of Indigo-MusesC5 — Data Link

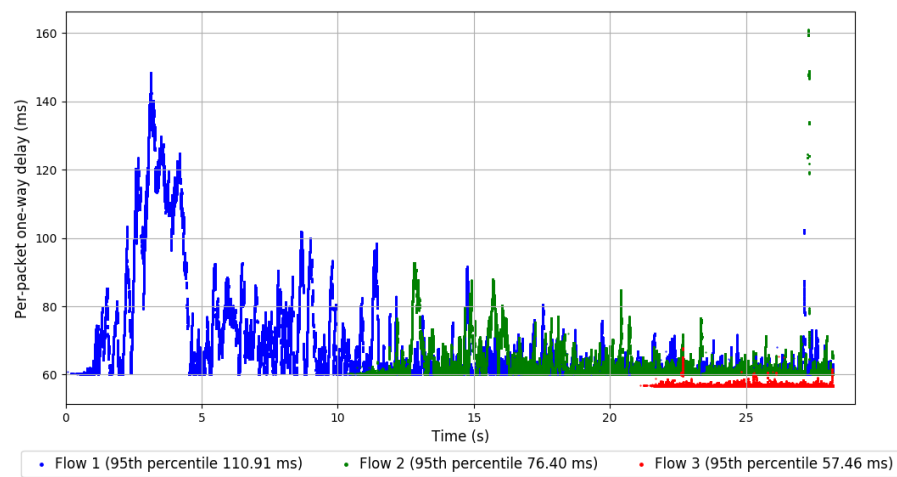
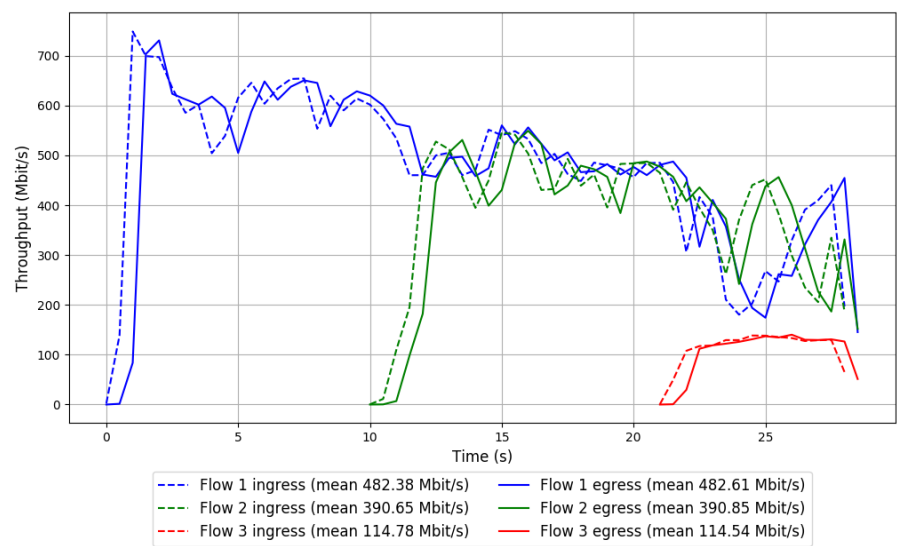


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-11-25 04:11:10
End at: 2019-11-25 04:11:40
Local clock offset: -0.036 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-11-25 07:57:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 759.34 Mbit/s
95th percentile per-packet one-way delay: 99.931 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 482.61 Mbit/s
95th percentile per-packet one-way delay: 110.913 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 390.85 Mbit/s
95th percentile per-packet one-way delay: 76.403 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 114.54 Mbit/s
95th percentile per-packet one-way delay: 57.460 ms
Loss rate: 1.83%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-11-25 04:51:50

End at: 2019-11-25 04:52:20

Local clock offset: -0.204 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2019-11-25 07:58:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 745.24 Mbit/s

95th percentile per-packet one-way delay: 143.466 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 484.04 Mbit/s

95th percentile per-packet one-way delay: 149.613 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 370.48 Mbit/s

95th percentile per-packet one-way delay: 125.934 ms

Loss rate: 0.47%

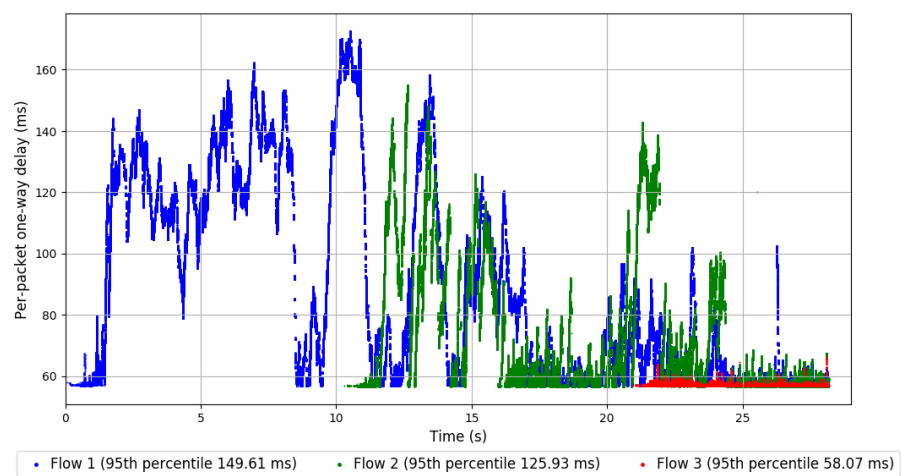
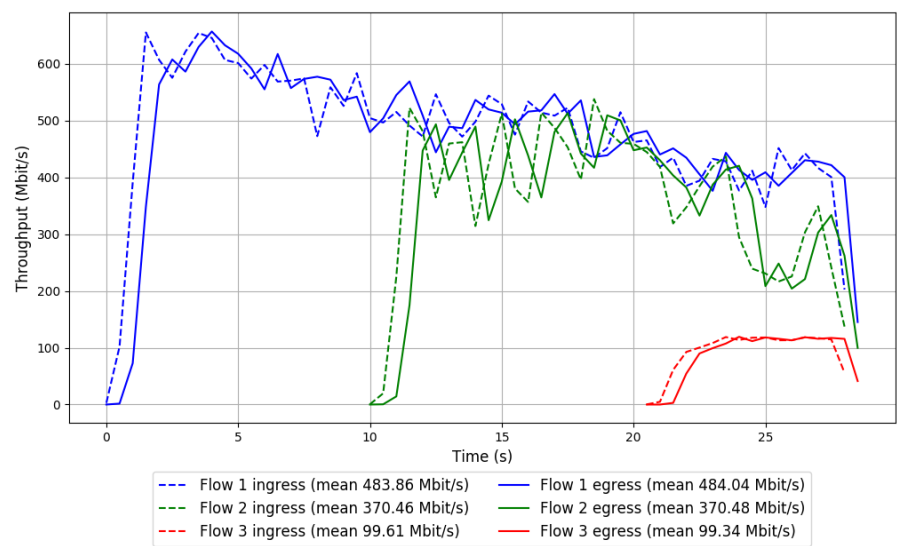
-- Flow 3:

Average throughput: 99.34 Mbit/s

95th percentile per-packet one-way delay: 58.066 ms

Loss rate: 1.88%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-11-25 05:32:34

End at: 2019-11-25 05:33:04

Local clock offset: -0.173 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2019-11-25 07:58:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 752.24 Mbit/s

95th percentile per-packet one-way delay: 106.021 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 468.97 Mbit/s

95th percentile per-packet one-way delay: 120.955 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 402.67 Mbit/s

95th percentile per-packet one-way delay: 84.303 ms

Loss rate: 0.65%

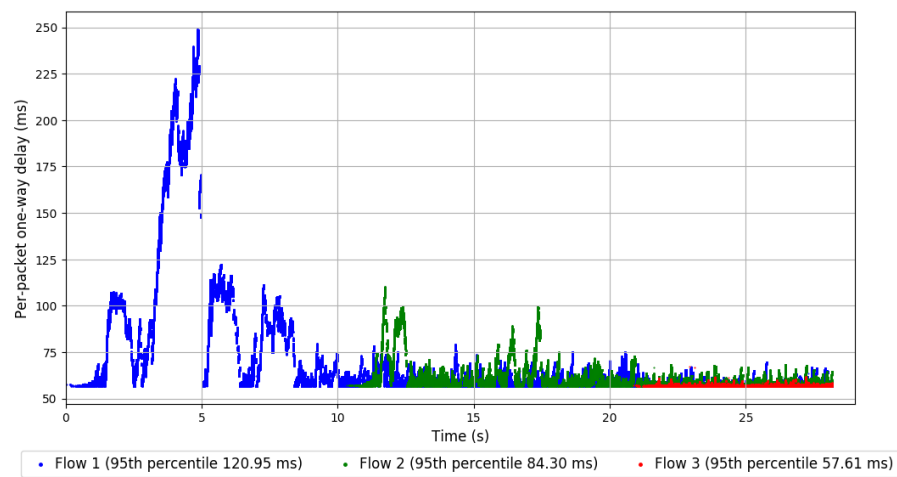
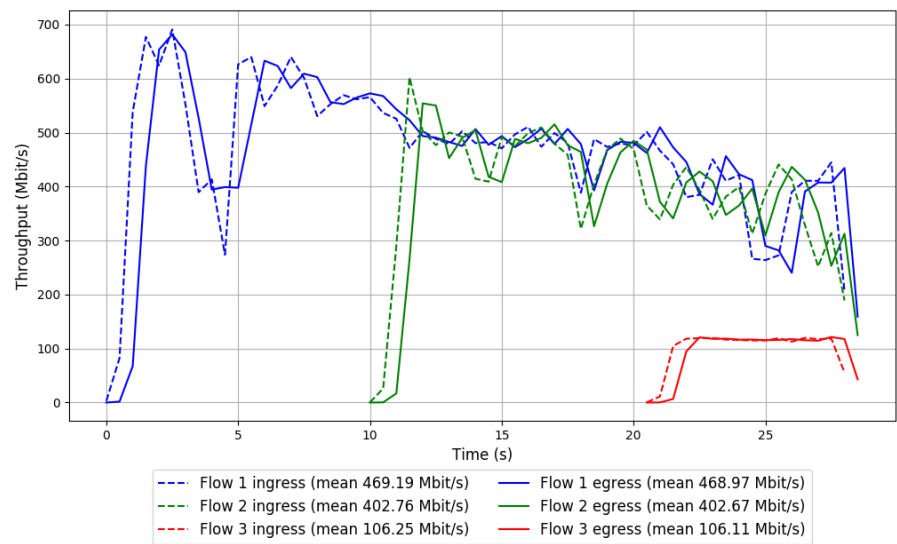
-- Flow 3:

Average throughput: 106.11 Mbit/s

95th percentile per-packet one-way delay: 57.613 ms

Loss rate: 1.67%

Run 4: Report of Indigo-MusesC5 — Data Link

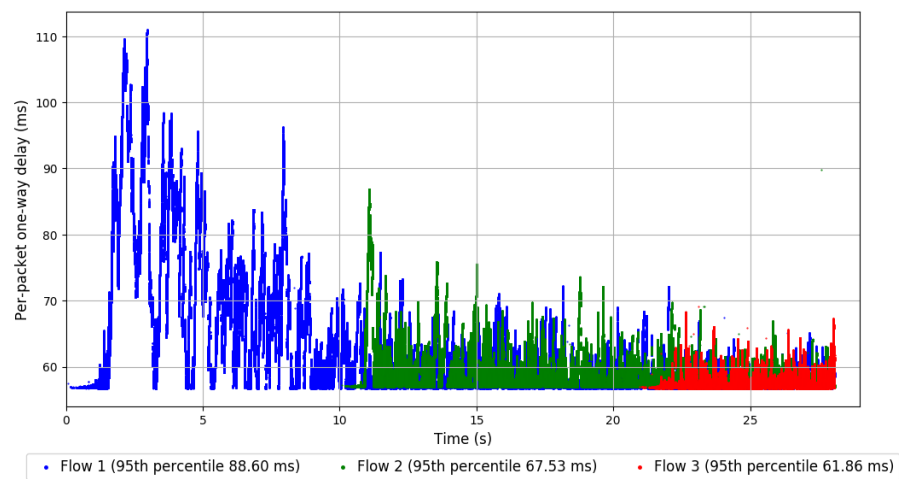
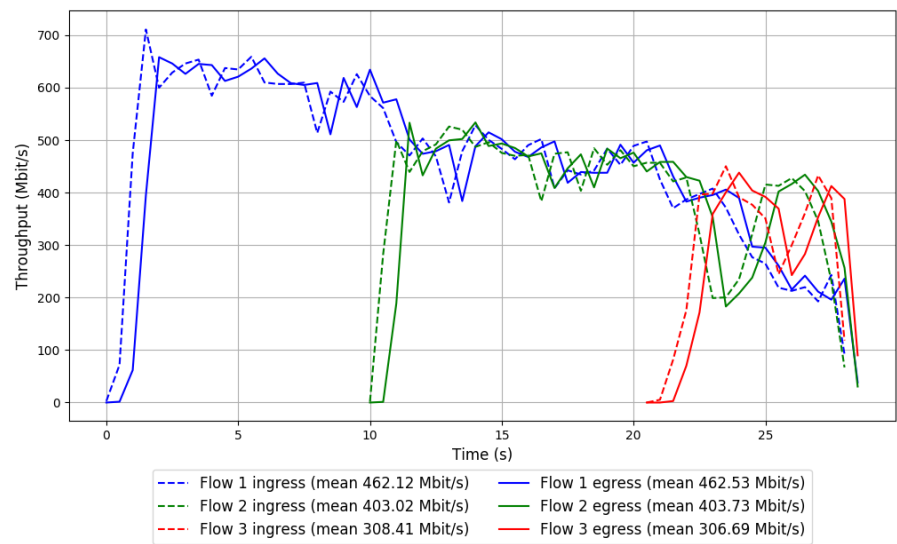


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-11-25 06:13:30
End at: 2019-11-25 06:14:00
Local clock offset: -0.093 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2019-11-25 08:00:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 799.86 Mbit/s
95th percentile per-packet one-way delay: 82.831 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 462.53 Mbit/s
95th percentile per-packet one-way delay: 88.597 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 403.73 Mbit/s
95th percentile per-packet one-way delay: 67.531 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 306.69 Mbit/s
95th percentile per-packet one-way delay: 61.856 ms
Loss rate: 2.14%

Run 5: Report of Indigo-MusesC5 — Data Link

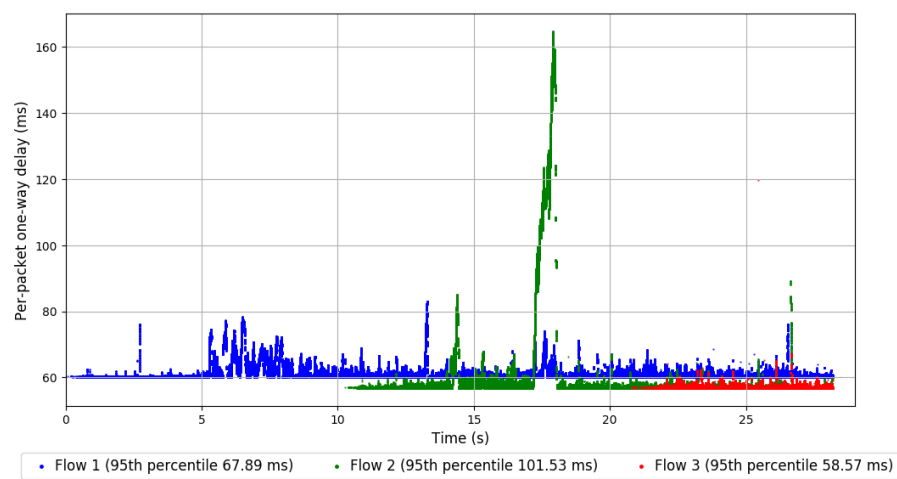
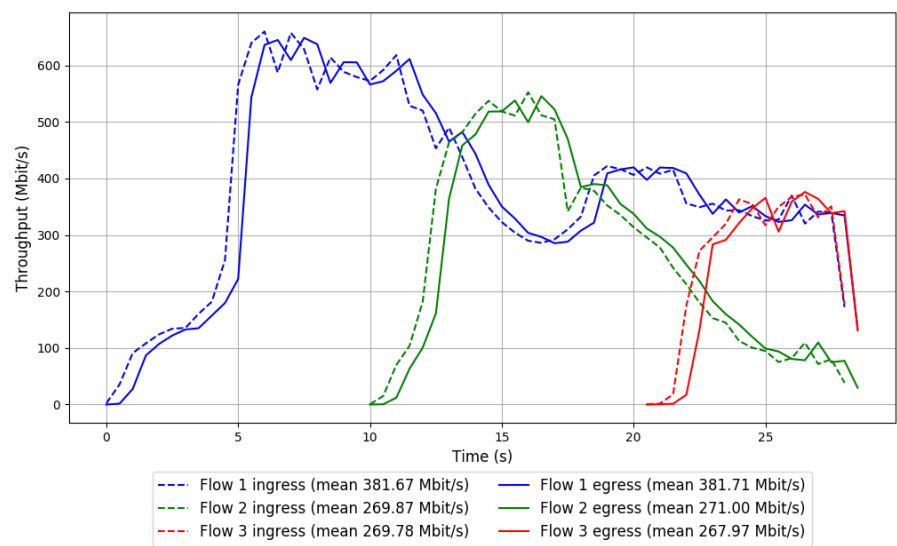


Run 1: Statistics of Indigo-MusesD

Start at: 2019-11-25 03:08:56
End at: 2019-11-25 03:09:26
Local clock offset: -0.082 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2019-11-25 08:06:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 624.90 Mbit/s
95th percentile per-packet one-way delay: 68.340 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 381.71 Mbit/s
95th percentile per-packet one-way delay: 67.891 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 271.00 Mbit/s
95th percentile per-packet one-way delay: 101.533 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 267.97 Mbit/s
95th percentile per-packet one-way delay: 58.571 ms
Loss rate: 2.19%

Run 1: Report of Indigo-MusesD — Data Link

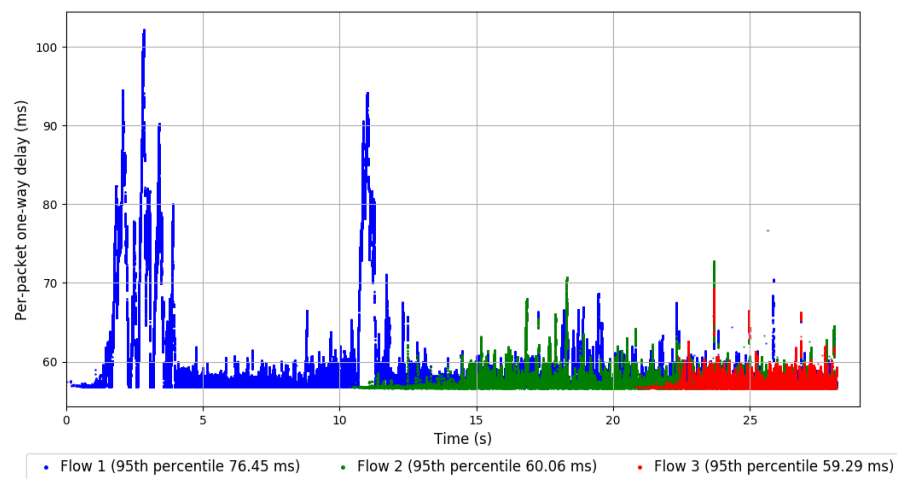
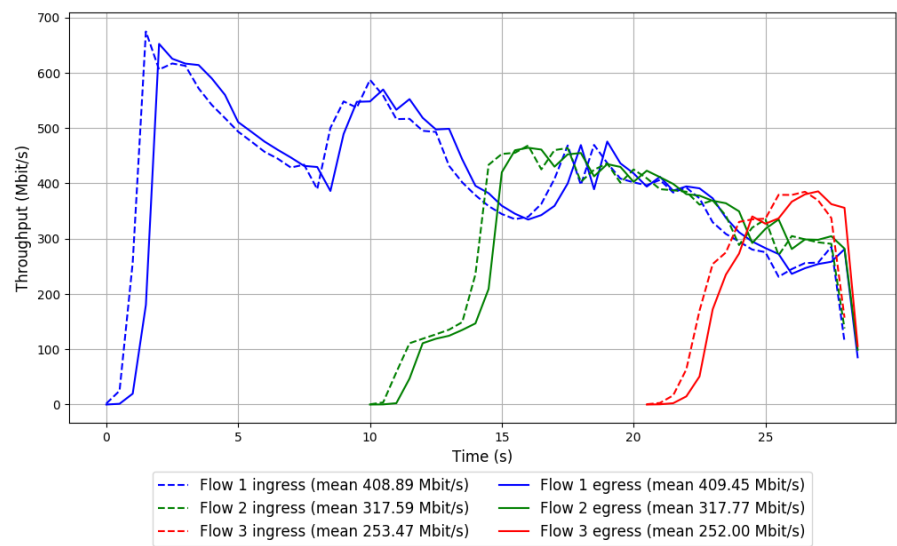


Run 2: Statistics of Indigo-MusesD

Start at: 2019-11-25 03:49:43
End at: 2019-11-25 03:50:13
Local clock offset: -0.092 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-11-25 08:08:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 676.48 Mbit/s
95th percentile per-packet one-way delay: 72.504 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 409.45 Mbit/s
95th percentile per-packet one-way delay: 76.451 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 317.77 Mbit/s
95th percentile per-packet one-way delay: 60.061 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 252.00 Mbit/s
95th percentile per-packet one-way delay: 59.291 ms
Loss rate: 2.15%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-11-25 04:30:25

End at: 2019-11-25 04:30:55

Local clock offset: -0.08 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2019-11-25 08:09:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 685.41 Mbit/s

95th percentile per-packet one-way delay: 73.587 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 399.58 Mbit/s

95th percentile per-packet one-way delay: 76.459 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 329.88 Mbit/s

95th percentile per-packet one-way delay: 63.891 ms

Loss rate: 0.39%

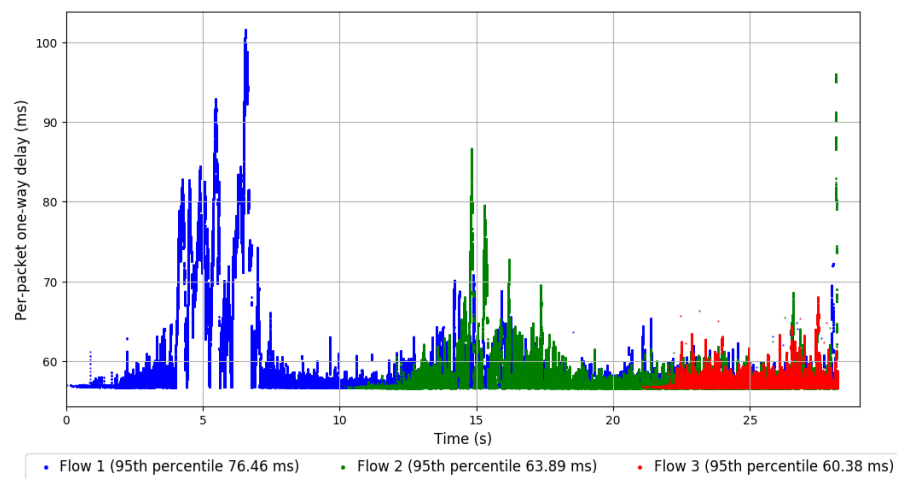
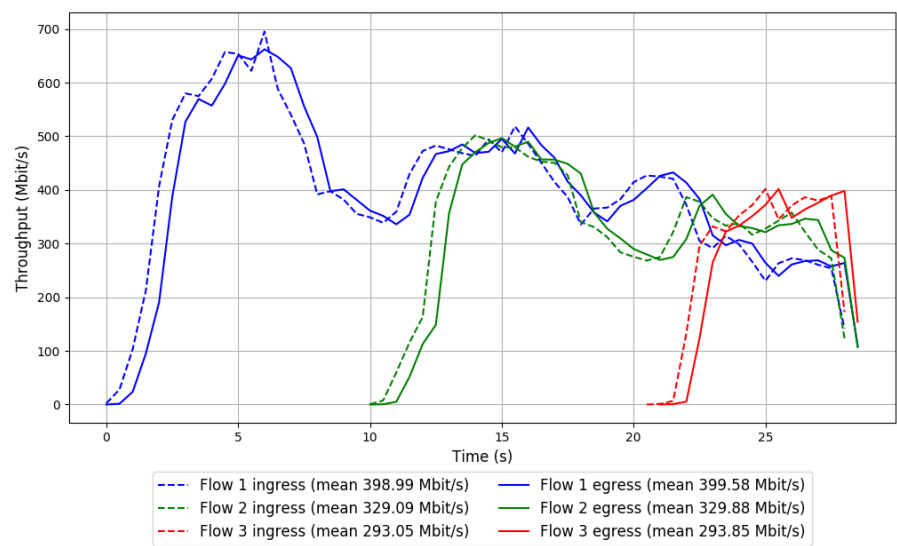
-- Flow 3:

Average throughput: 293.85 Mbit/s

95th percentile per-packet one-way delay: 60.382 ms

Loss rate: 1.31%

Run 3: Report of Indigo-MusesD — Data Link

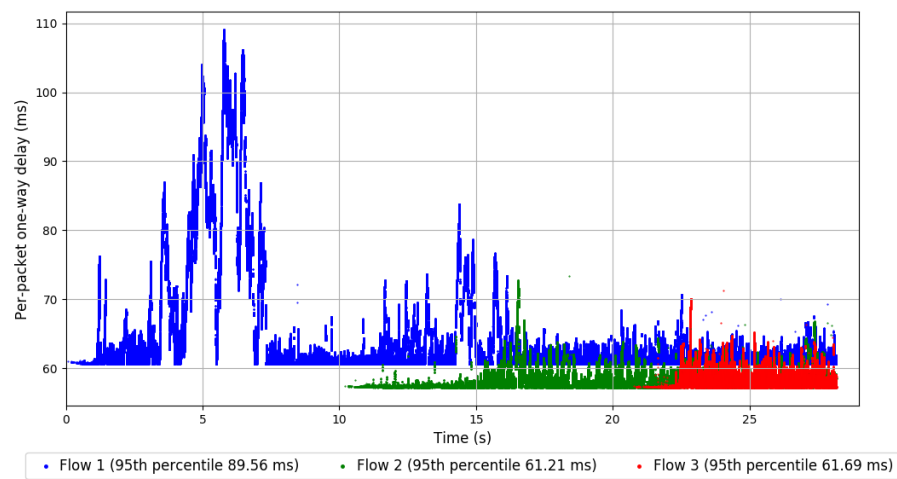
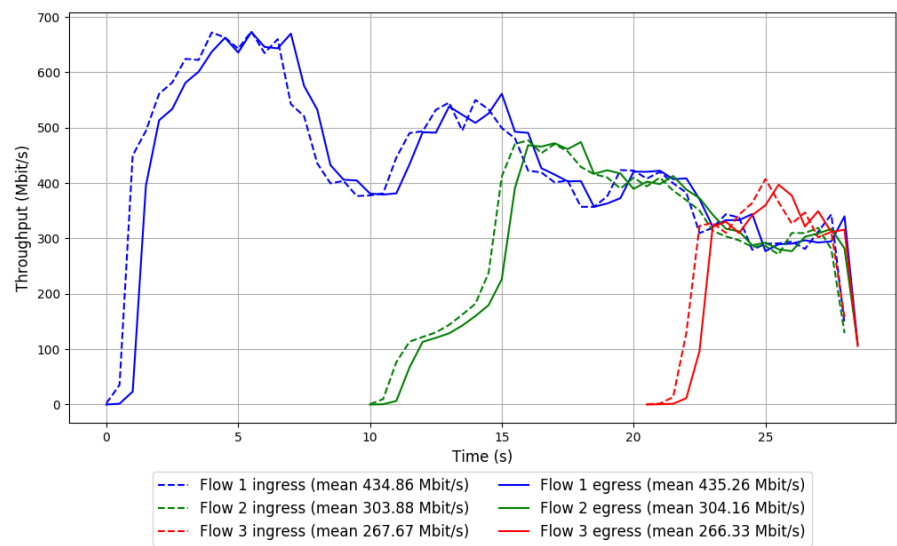


Run 4: Statistics of Indigo-MusesD

Start at: 2019-11-25 05:11:04
End at: 2019-11-25 05:11:34
Local clock offset: 0.173 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2019-11-25 08:09:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 699.75 Mbit/s
95th percentile per-packet one-way delay: 82.410 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 435.26 Mbit/s
95th percentile per-packet one-way delay: 89.564 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 304.16 Mbit/s
95th percentile per-packet one-way delay: 61.209 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 266.33 Mbit/s
95th percentile per-packet one-way delay: 61.688 ms
Loss rate: 2.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-11-25 05:51:55

End at: 2019-11-25 05:52:25

Local clock offset: -0.029 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2019-11-25 08:10:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 723.45 Mbit/s

95th percentile per-packet one-way delay: 78.905 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 425.30 Mbit/s

95th percentile per-packet one-way delay: 83.147 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 369.83 Mbit/s

95th percentile per-packet one-way delay: 61.769 ms

Loss rate: 0.57%

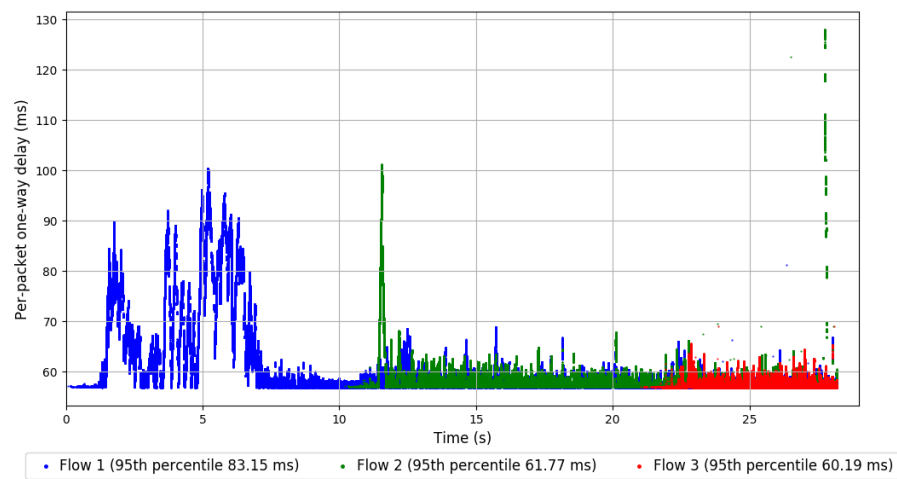
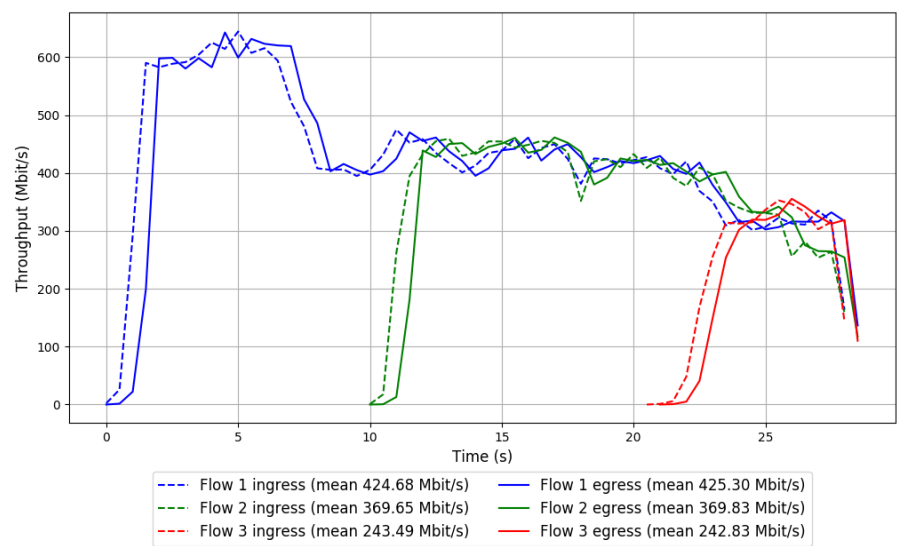
-- Flow 3:

Average throughput: 242.83 Mbit/s

95th percentile per-packet one-way delay: 60.188 ms

Loss rate: 1.93%

Run 5: Report of Indigo-MusesD — Data Link

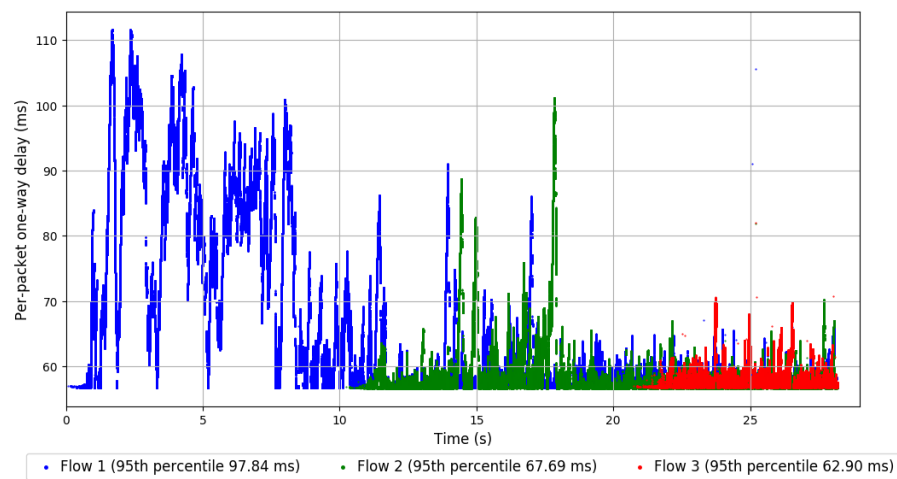
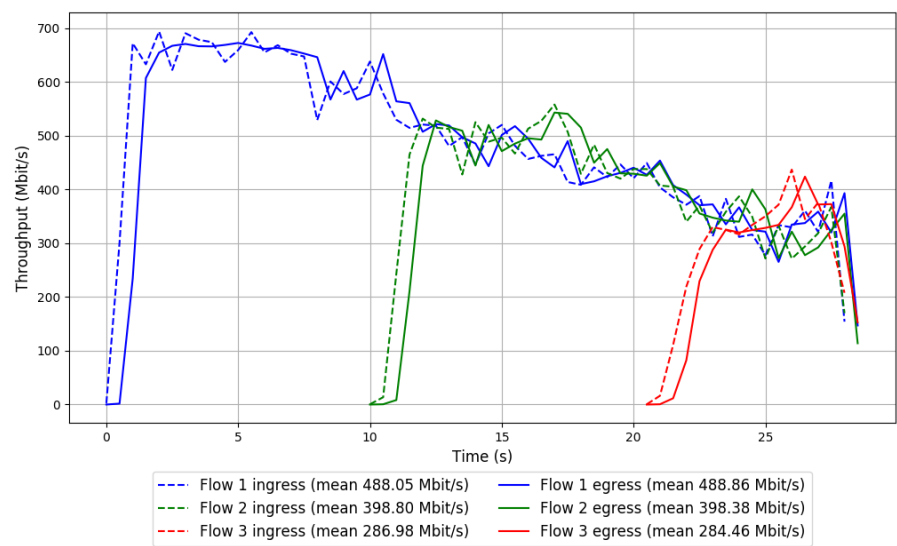


Run 1: Statistics of Indigo-MusesT

Start at: 2019-11-25 03:23:16
End at: 2019-11-25 03:23:46
Local clock offset: -0.101 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2019-11-25 08:12:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 818.19 Mbit/s
95th percentile per-packet one-way delay: 93.595 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 488.86 Mbit/s
95th percentile per-packet one-way delay: 97.841 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 398.38 Mbit/s
95th percentile per-packet one-way delay: 67.691 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 284.46 Mbit/s
95th percentile per-packet one-way delay: 62.900 ms
Loss rate: 2.40%

Run 1: Report of Indigo-MusesT — Data Link

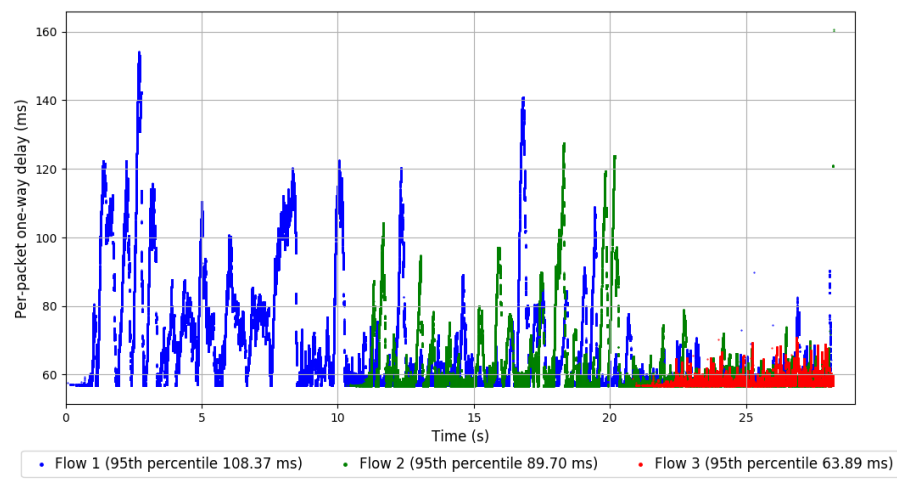
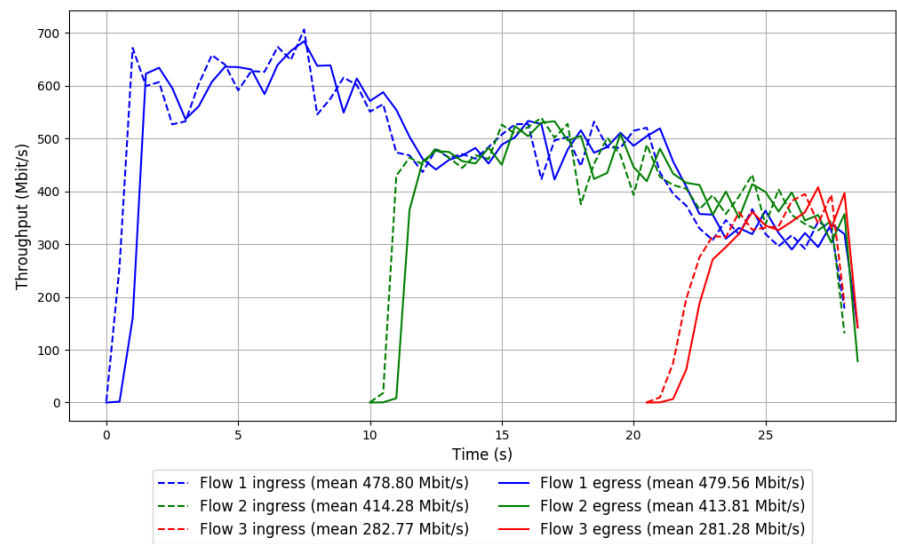


Run 2: Statistics of Indigo-MusesT

Start at: 2019-11-25 04:04:04
End at: 2019-11-25 04:04:34
Local clock offset: -0.014 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2019-11-25 08:13:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 815.41 Mbit/s
95th percentile per-packet one-way delay: 103.727 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 479.56 Mbit/s
95th percentile per-packet one-way delay: 108.371 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 413.81 Mbit/s
95th percentile per-packet one-way delay: 89.705 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 281.28 Mbit/s
95th percentile per-packet one-way delay: 63.889 ms
Loss rate: 2.08%

Run 2: Report of Indigo-MusesT — Data Link

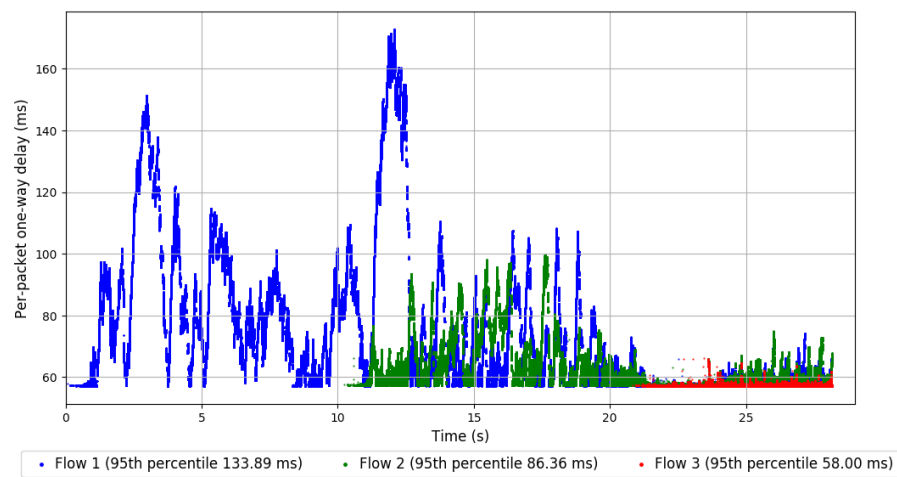
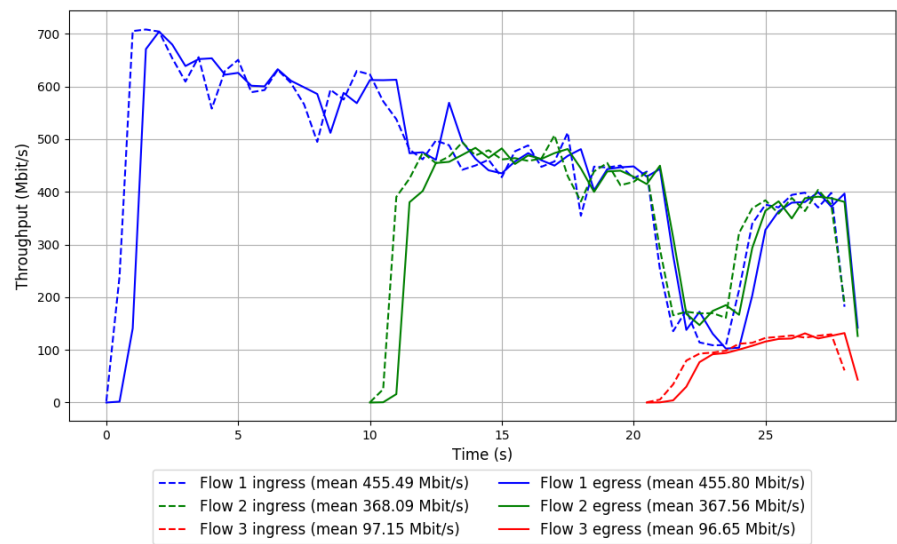


Run 3: Statistics of Indigo-MusesT

Start at: 2019-11-25 04:44:44
End at: 2019-11-25 04:45:14
Local clock offset: 0.212 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2019-11-25 08:13:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 715.40 Mbit/s
95th percentile per-packet one-way delay: 120.664 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 455.80 Mbit/s
95th percentile per-packet one-way delay: 133.886 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 367.56 Mbit/s
95th percentile per-packet one-way delay: 86.357 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 57.999 ms
Loss rate: 1.96%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-11-25 05:25:30

End at: 2019-11-25 05:26:00

Local clock offset: -0.163 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-11-25 08:21:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 807.02 Mbit/s

95th percentile per-packet one-way delay: 90.920 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 486.50 Mbit/s

95th percentile per-packet one-way delay: 93.061 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 393.47 Mbit/s

95th percentile per-packet one-way delay: 89.710 ms

Loss rate: 0.58%

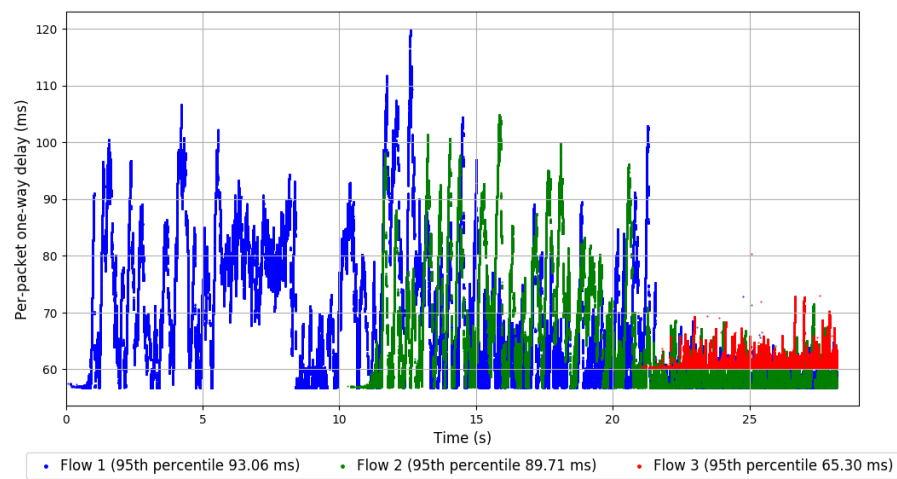
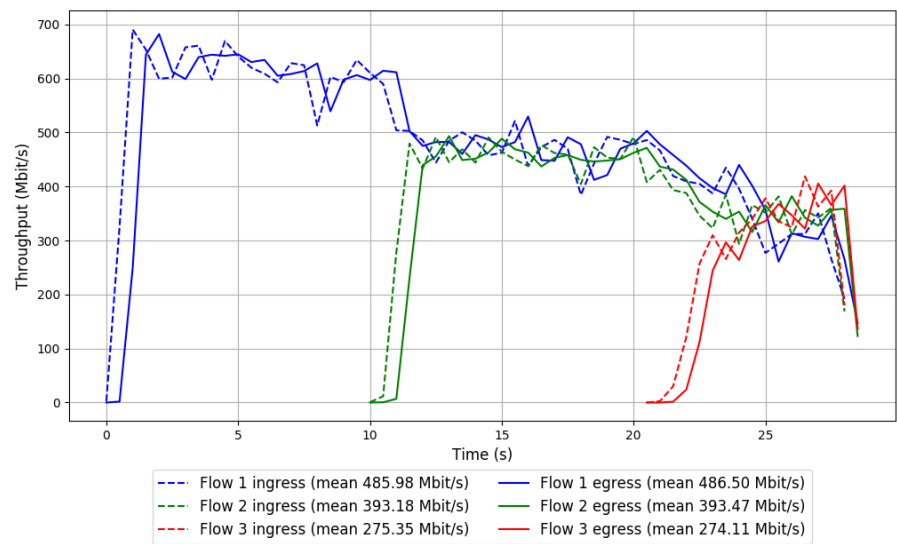
-- Flow 3:

Average throughput: 274.11 Mbit/s

95th percentile per-packet one-way delay: 65.296 ms

Loss rate: 2.08%

Run 4: Report of Indigo-MusesT — Data Link

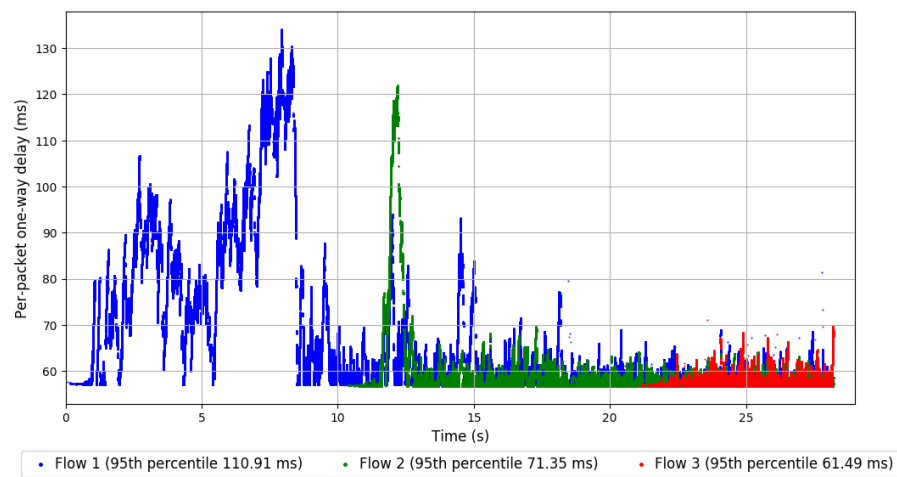
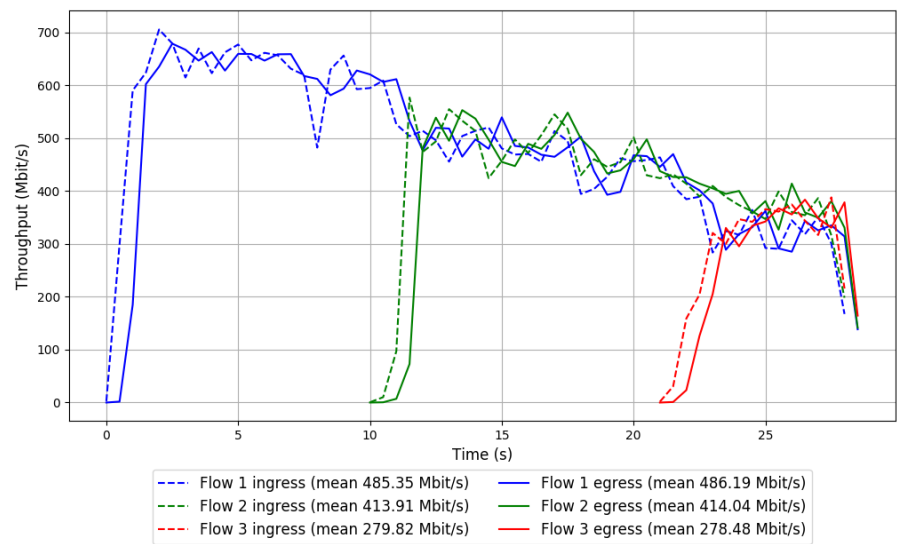


Run 5: Statistics of Indigo-MusesT

Start at: 2019-11-25 06:06:29
End at: 2019-11-25 06:06:59
Local clock offset: -0.089 ms
Remote clock offset: -0.175 ms

Below is generated by plot.py at 2019-11-25 08:22:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 820.76 Mbit/s
95th percentile per-packet one-way delay: 99.949 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 486.19 Mbit/s
95th percentile per-packet one-way delay: 110.911 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 414.04 Mbit/s
95th percentile per-packet one-way delay: 71.353 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 278.48 Mbit/s
95th percentile per-packet one-way delay: 61.487 ms
Loss rate: 2.05%

Run 5: Report of Indigo-MusesT — Data Link

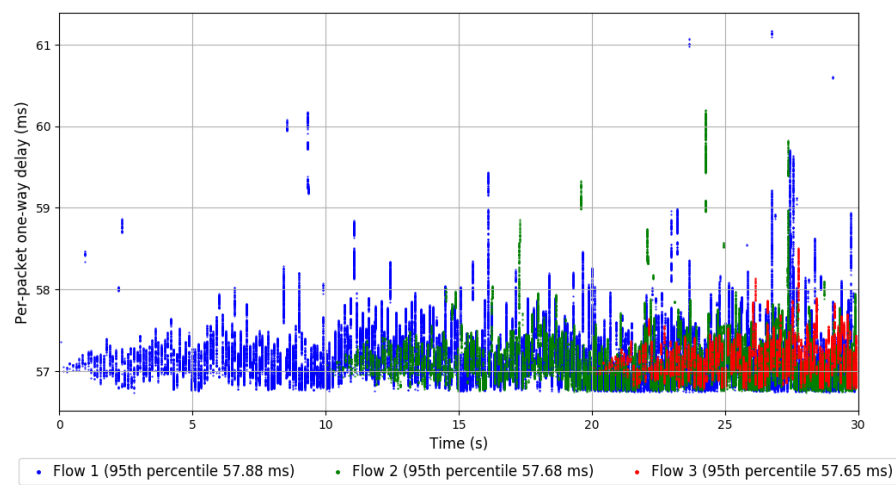
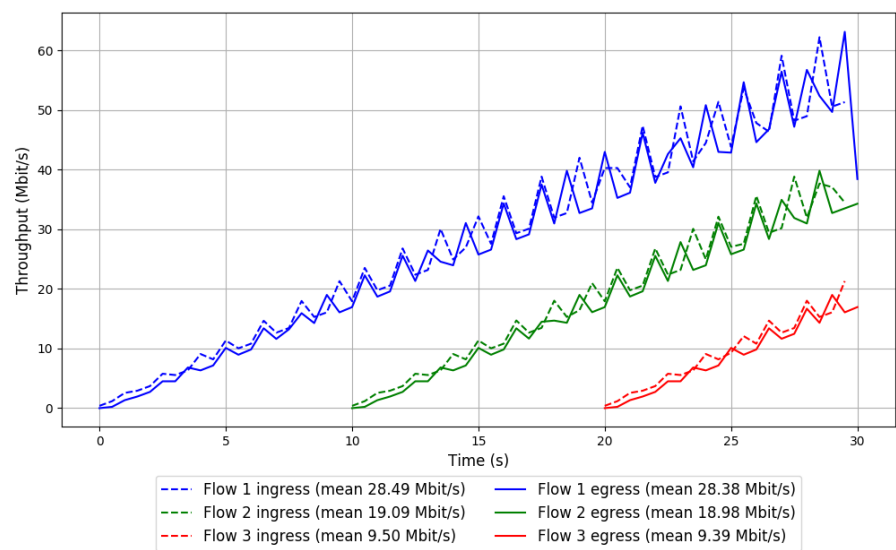


Run 1: Statistics of LEDBAT

Start at: 2019-11-25 03:20:47
End at: 2019-11-25 03:21:17
Local clock offset: -0.081 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-11-25 08:22:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.00 Mbit/s
95th percentile per-packet one-way delay: 57.811 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 57.876 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 18.98 Mbit/s
95th percentile per-packet one-way delay: 57.682 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 57.653 ms
Loss rate: 2.30%

Run 1: Report of LEDBAT — Data Link

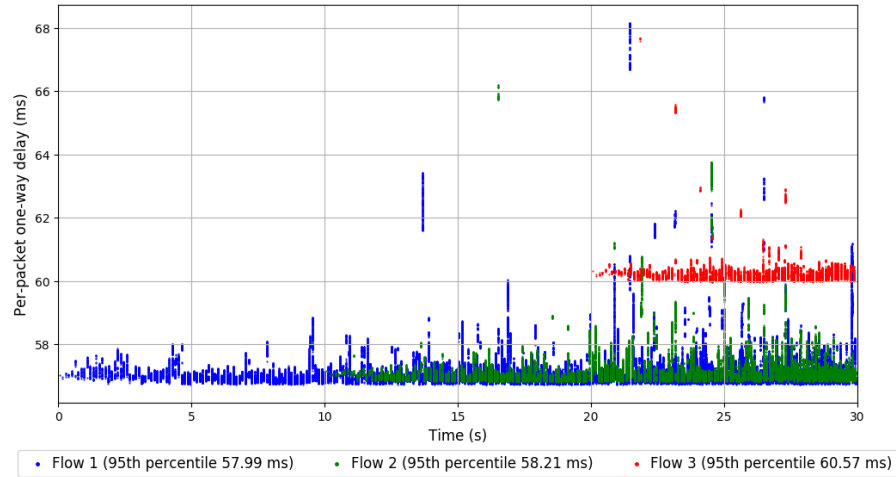
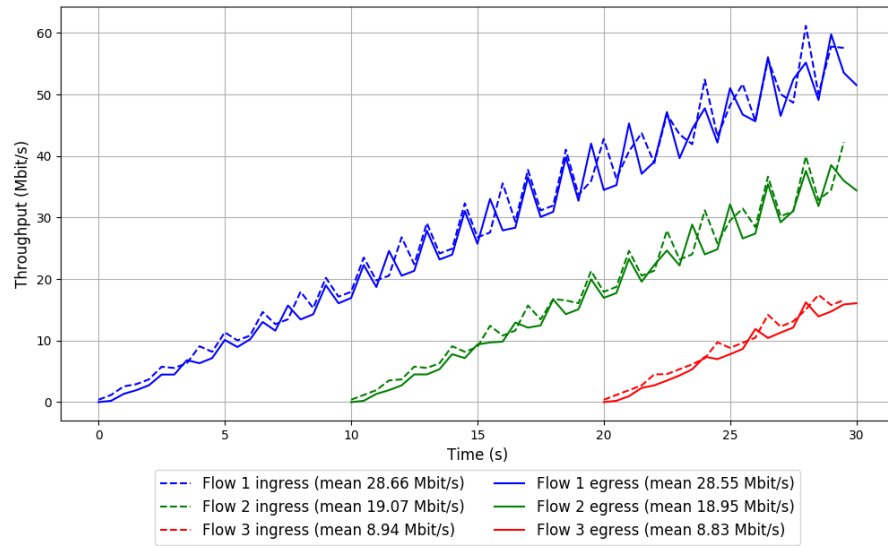


Run 2: Statistics of LEDBAT

Start at: 2019-11-25 04:01:35
End at: 2019-11-25 04:02:05
Local clock offset: -0.065 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2019-11-25 08:22:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.04 Mbit/s
95th percentile per-packet one-way delay: 60.155 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 28.55 Mbit/s
95th percentile per-packet one-way delay: 57.991 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 18.95 Mbit/s
95th percentile per-packet one-way delay: 58.214 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 8.83 Mbit/s
95th percentile per-packet one-way delay: 60.574 ms
Loss rate: 2.38%

Run 2: Report of LEDBAT — Data Link

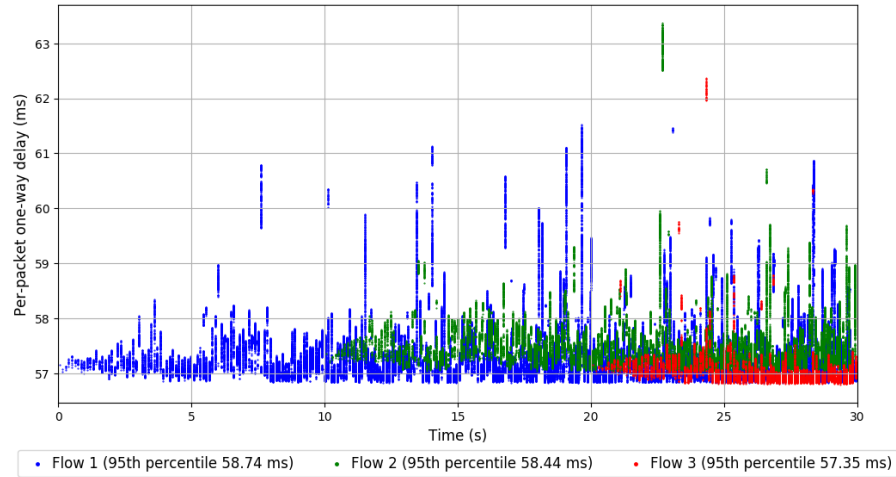
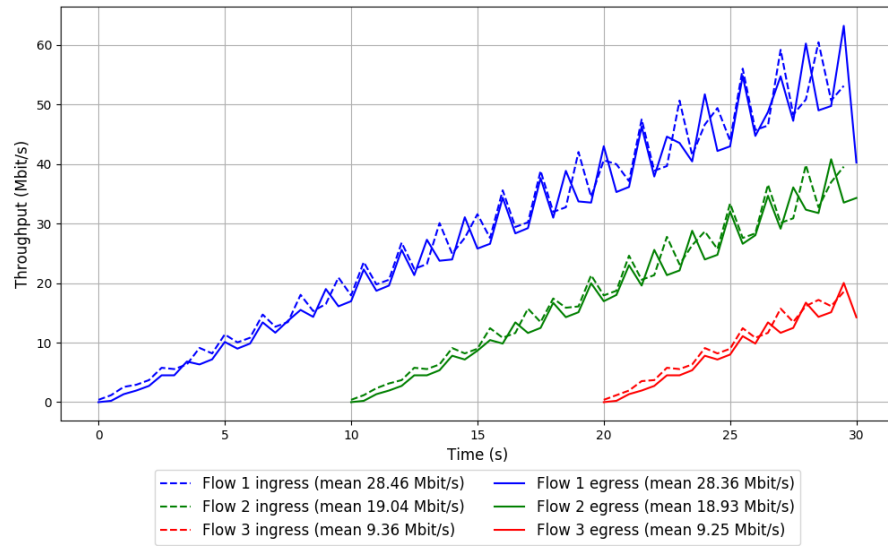


Run 3: Statistics of LEDBAT

Start at: 2019-11-25 04:42:15
End at: 2019-11-25 04:42:45
Local clock offset: -0.18 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2019-11-25 08:22:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.98 Mbit/s
95th percentile per-packet one-way delay: 58.603 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 28.36 Mbit/s
95th percentile per-packet one-way delay: 58.745 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 18.93 Mbit/s
95th percentile per-packet one-way delay: 58.441 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 9.25 Mbit/s
95th percentile per-packet one-way delay: 57.346 ms
Loss rate: 2.30%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-11-25 05:23:01

End at: 2019-11-25 05:23:31

Local clock offset: -0.139 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-11-25 08:22:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.08 Mbit/s

95th percentile per-packet one-way delay: 58.172 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 28.40 Mbit/s

95th percentile per-packet one-way delay: 58.412 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 18.98 Mbit/s

95th percentile per-packet one-way delay: 57.392 ms

Loss rate: 1.14%

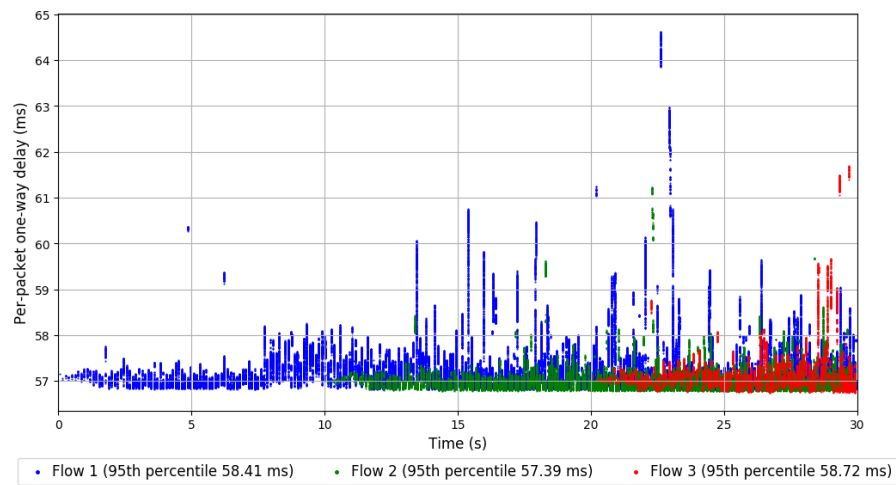
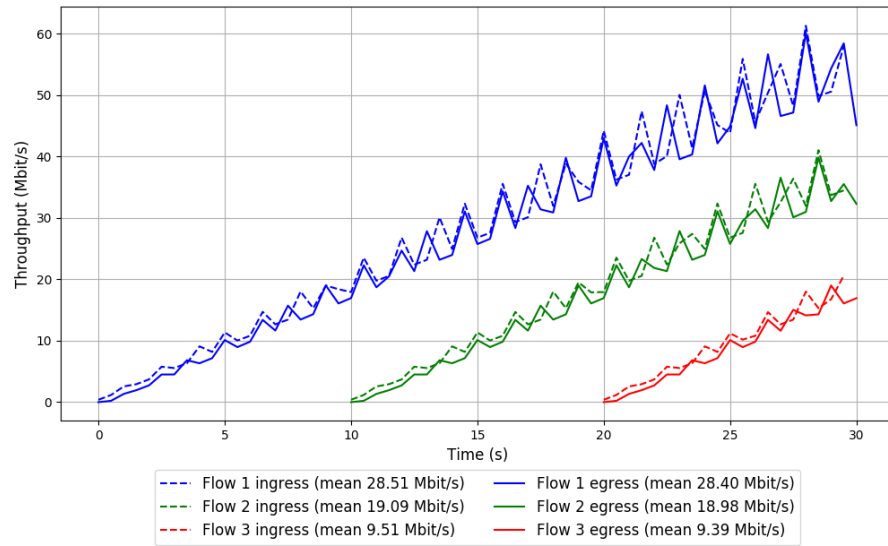
-- Flow 3:

Average throughput: 9.39 Mbit/s

95th percentile per-packet one-way delay: 58.721 ms

Loss rate: 2.30%

Run 4: Report of LEDBAT — Data Link

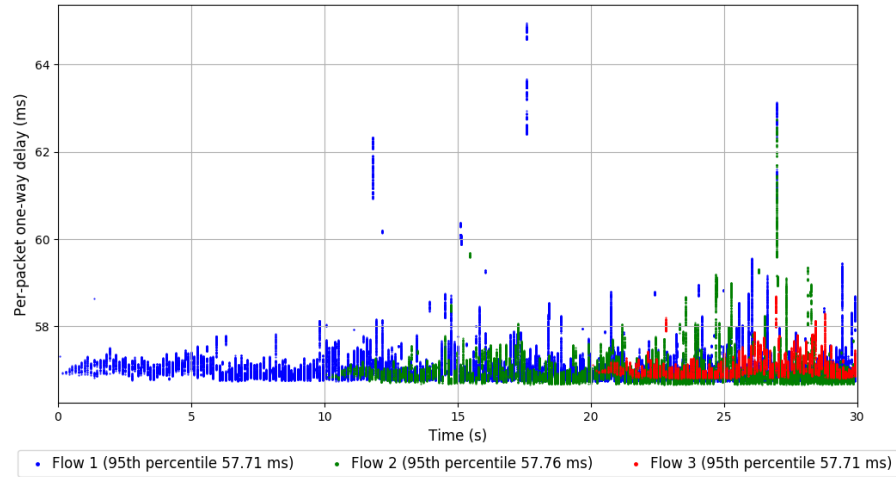
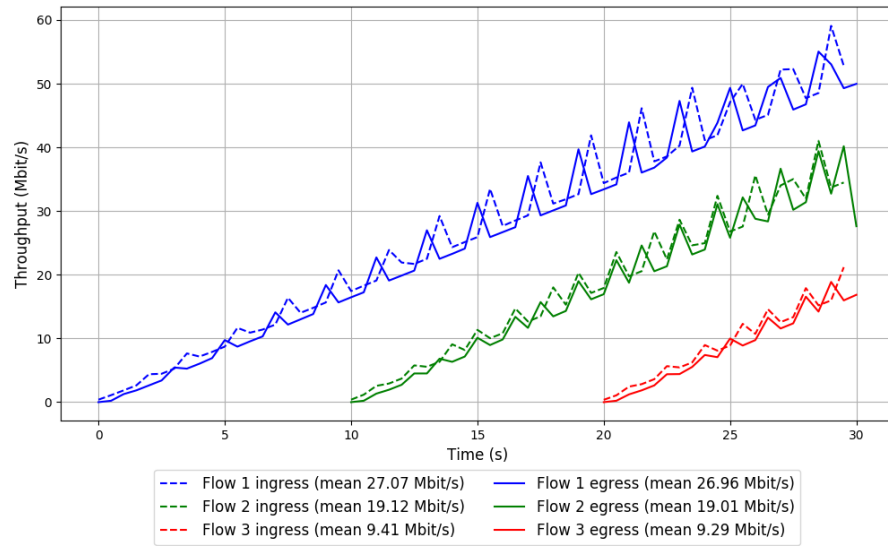


Run 5: Statistics of LEDBAT

Start at: 2019-11-25 06:04:00
End at: 2019-11-25 06:04:30
Local clock offset: -0.045 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2019-11-25 08:22:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.62 Mbit/s
95th percentile per-packet one-way delay: 57.723 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 57.708 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 19.01 Mbit/s
95th percentile per-packet one-way delay: 57.761 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 57.714 ms
Loss rate: 2.31%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-11-25 03:19:00

End at: 2019-11-25 03:19:30

Local clock offset: -0.084 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2019-11-25 08:24:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 683.18 Mbit/s

95th percentile per-packet one-way delay: 64.754 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 395.92 Mbit/s

95th percentile per-packet one-way delay: 66.294 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 336.04 Mbit/s

95th percentile per-packet one-way delay: 60.129 ms

Loss rate: 0.72%

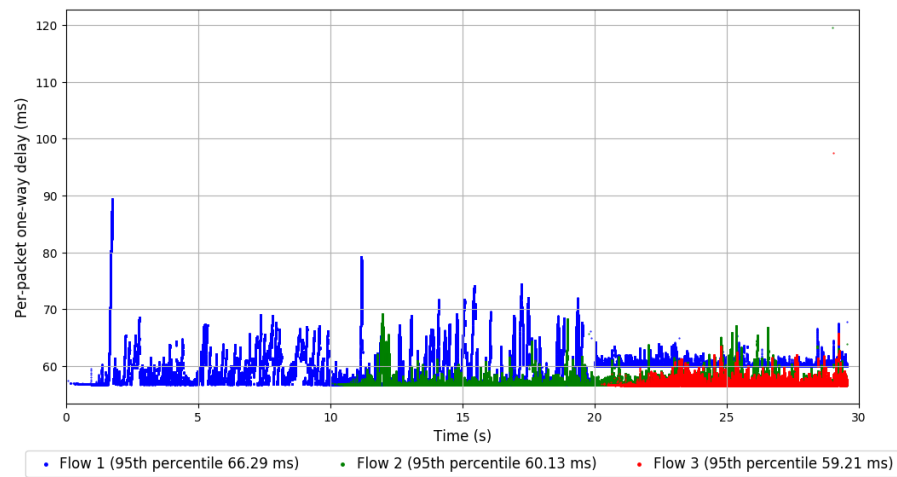
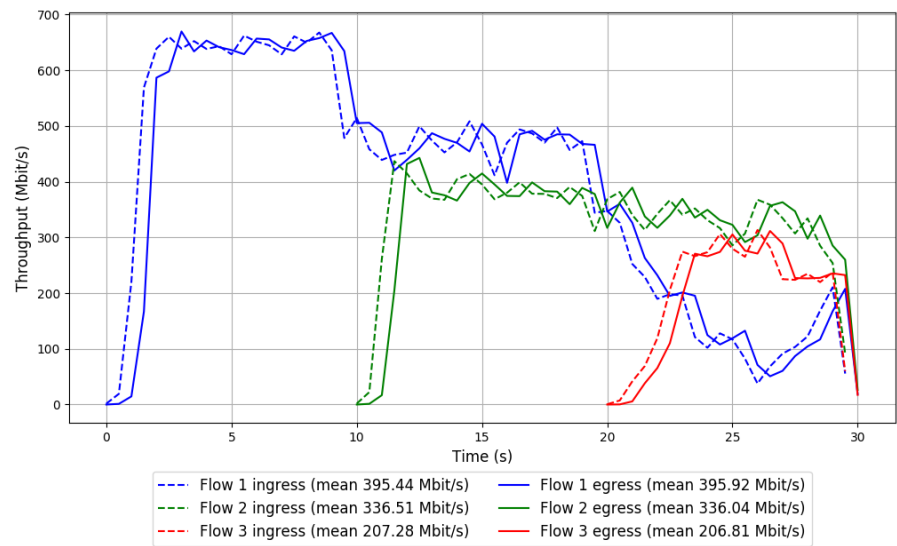
-- Flow 3:

Average throughput: 206.81 Mbit/s

95th percentile per-packet one-way delay: 59.206 ms

Loss rate: 1.53%

Run 1: Report of Muses_DecisionTree — Data Link

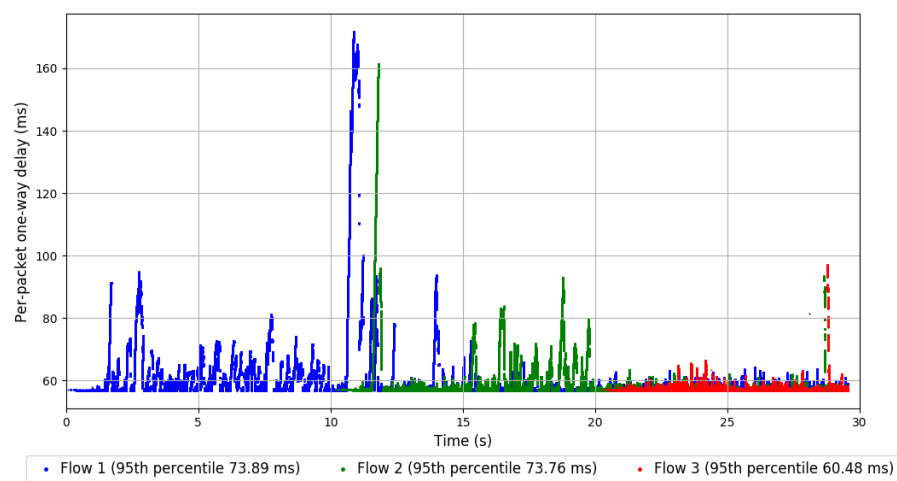
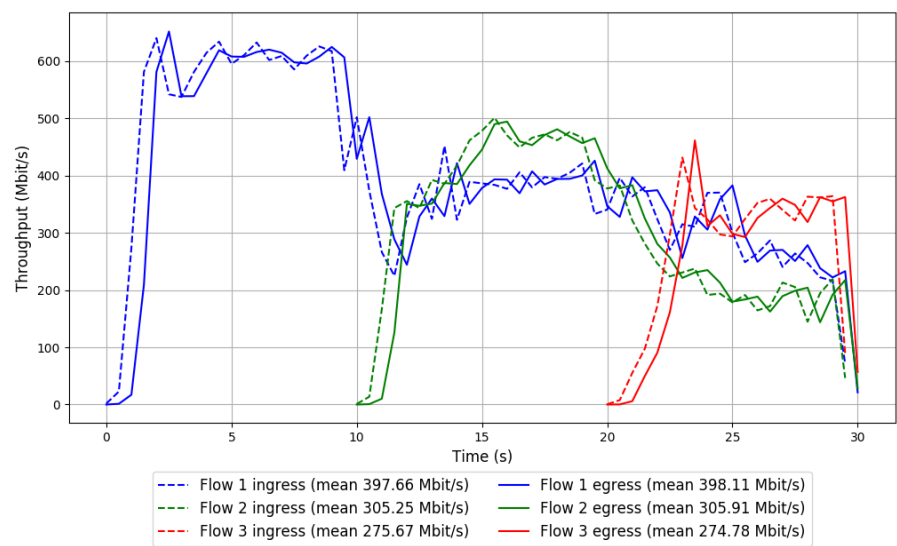


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-11-25 03:59:48
End at: 2019-11-25 04:00:18
Local clock offset: -0.057 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2019-11-25 08:24:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 685.92 Mbit/s
95th percentile per-packet one-way delay: 72.413 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 398.11 Mbit/s
95th percentile per-packet one-way delay: 73.887 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 305.91 Mbit/s
95th percentile per-packet one-way delay: 73.759 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 274.78 Mbit/s
95th percentile per-packet one-way delay: 60.485 ms
Loss rate: 1.54%

Run 2: Report of Muses_DecisionTree — Data Link

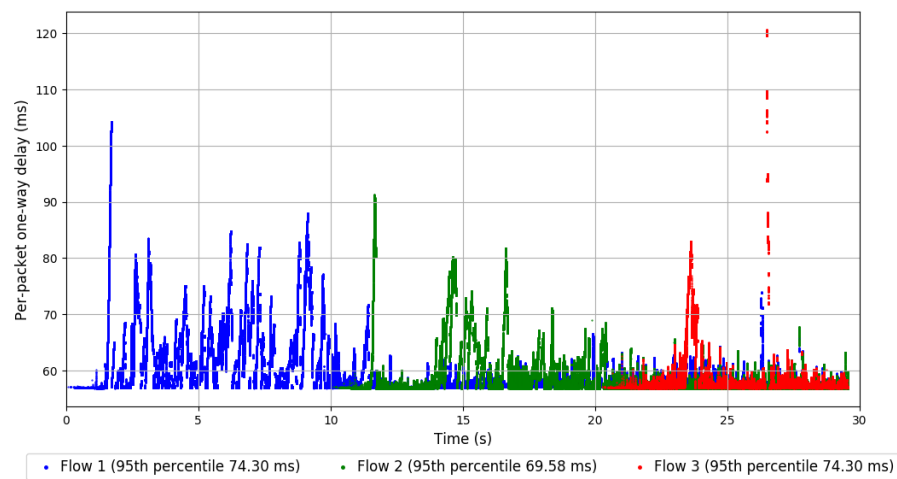
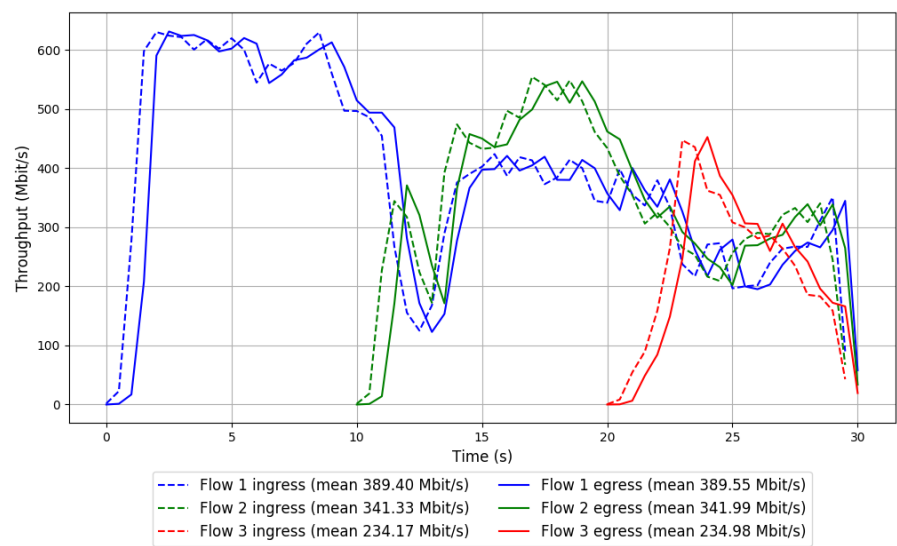


Run 3: Statistics of Muses_DecisionTree

Start at: 2019-11-25 04:40:28
End at: 2019-11-25 04:40:58
Local clock offset: -0.12 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2019-11-25 08:24:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 689.41 Mbit/s
95th percentile per-packet one-way delay: 72.510 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 389.55 Mbit/s
95th percentile per-packet one-way delay: 74.304 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 341.99 Mbit/s
95th percentile per-packet one-way delay: 69.581 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 234.98 Mbit/s
95th percentile per-packet one-way delay: 74.302 ms
Loss rate: 0.88%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-11-25 05:21:13

End at: 2019-11-25 05:21:43

Local clock offset: -0.214 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2019-11-25 08:25:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 693.77 Mbit/s

95th percentile per-packet one-way delay: 63.633 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 381.88 Mbit/s

95th percentile per-packet one-way delay: 67.777 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 367.46 Mbit/s

95th percentile per-packet one-way delay: 60.718 ms

Loss rate: 0.52%

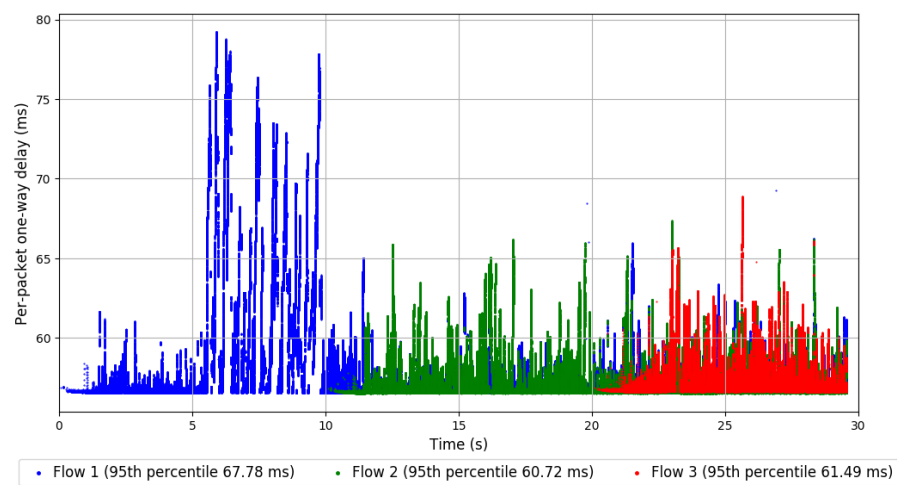
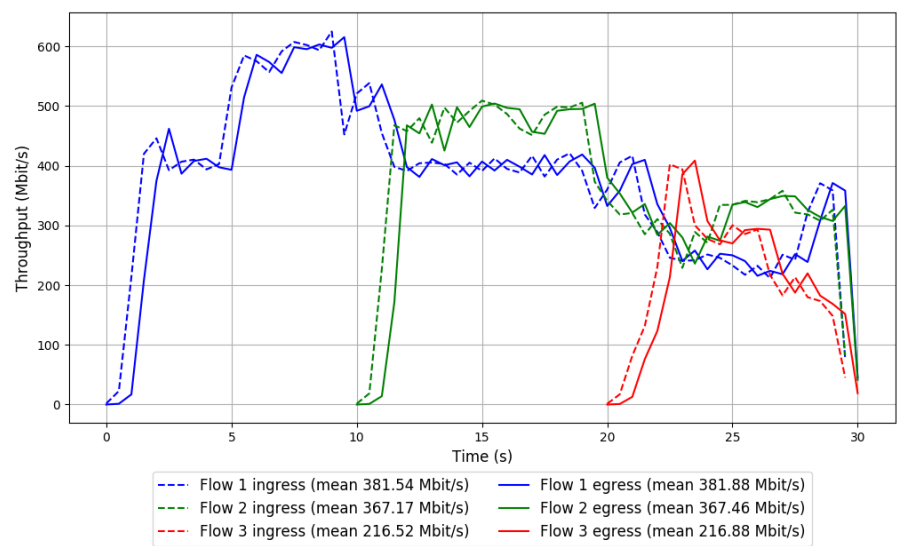
-- Flow 3:

Average throughput: 216.88 Mbit/s

95th percentile per-packet one-way delay: 61.490 ms

Loss rate: 1.03%

Run 4: Report of Muses_DecisionTree — Data Link

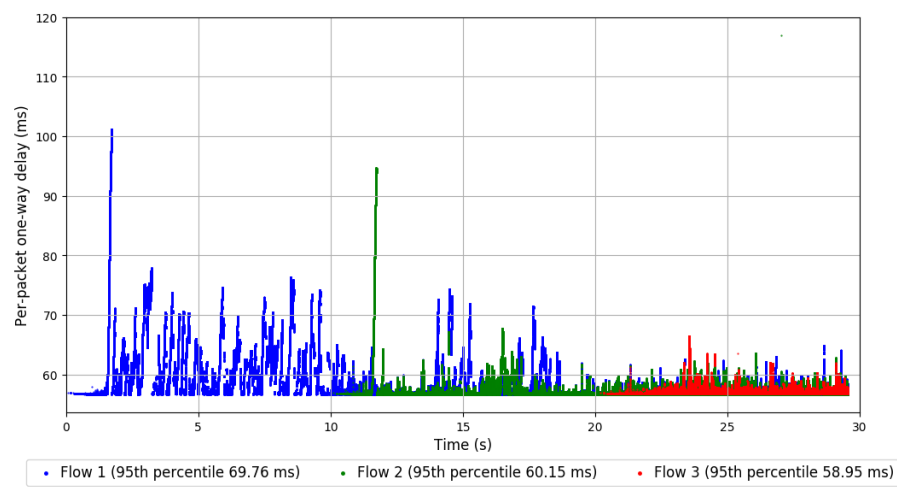
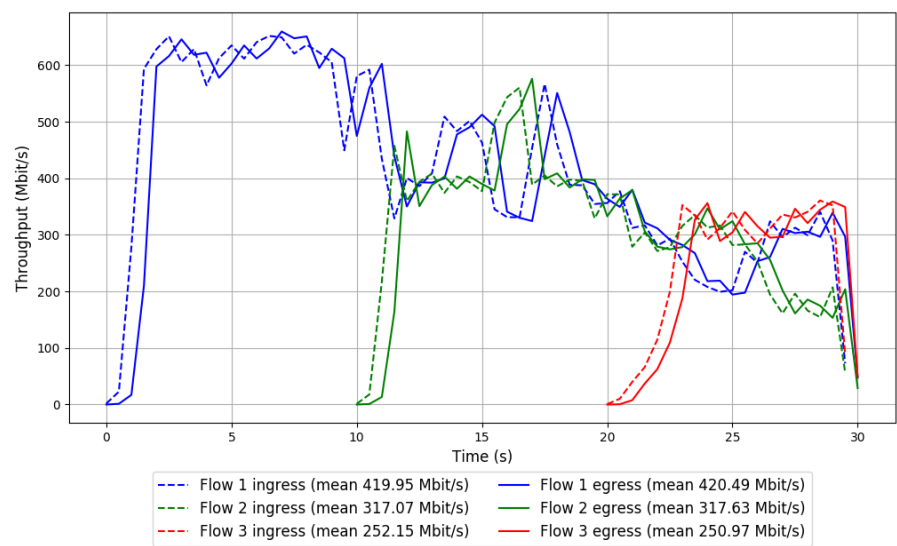


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-11-25 06:02:12
End at: 2019-11-25 06:02:42
Local clock offset: -0.193 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2019-11-25 08:25:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 709.47 Mbit/s
95th percentile per-packet one-way delay: 66.809 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 420.49 Mbit/s
95th percentile per-packet one-way delay: 69.757 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 317.63 Mbit/s
95th percentile per-packet one-way delay: 60.148 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 250.97 Mbit/s
95th percentile per-packet one-way delay: 58.950 ms
Loss rate: 1.67%

Run 5: Report of Muses_DecisionTree — Data Link

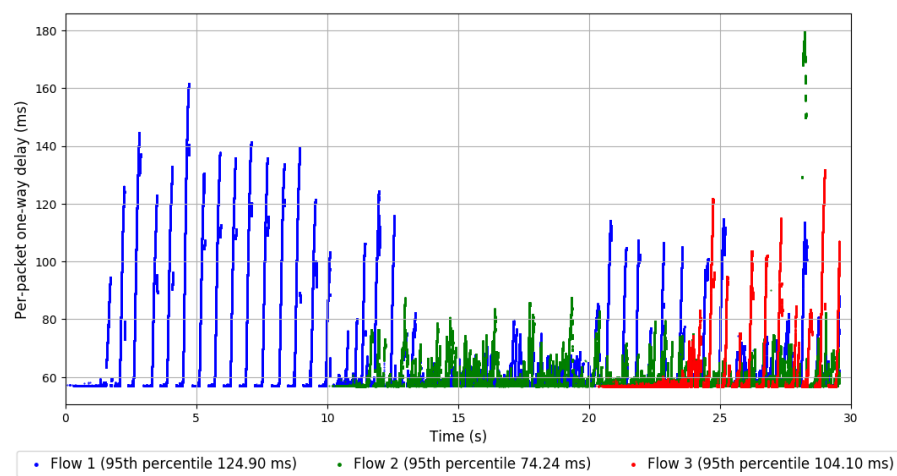
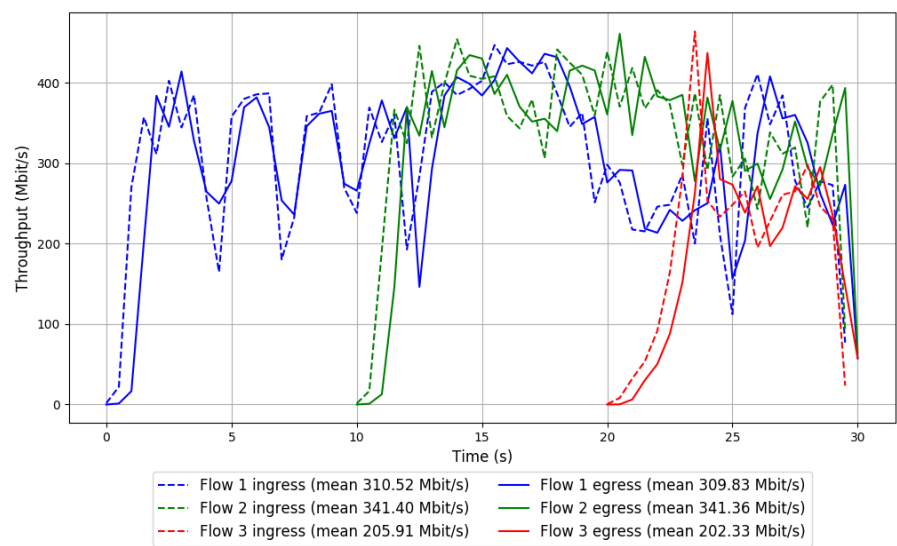



```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-25 03:25:08
End at: 2019-11-25 03:25:38
Local clock offset: -0.083 ms
Remote clock offset: -0.153 ms

# Below is generated by plot.py at 2019-11-25 08:25:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 599.02 Mbit/s
95th percentile per-packet one-way delay: 115.930 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 309.83 Mbit/s
95th percentile per-packet one-way delay: 124.901 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 341.36 Mbit/s
95th percentile per-packet one-way delay: 74.244 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 202.33 Mbit/s
95th percentile per-packet one-way delay: 104.104 ms
Loss rate: 1.93%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

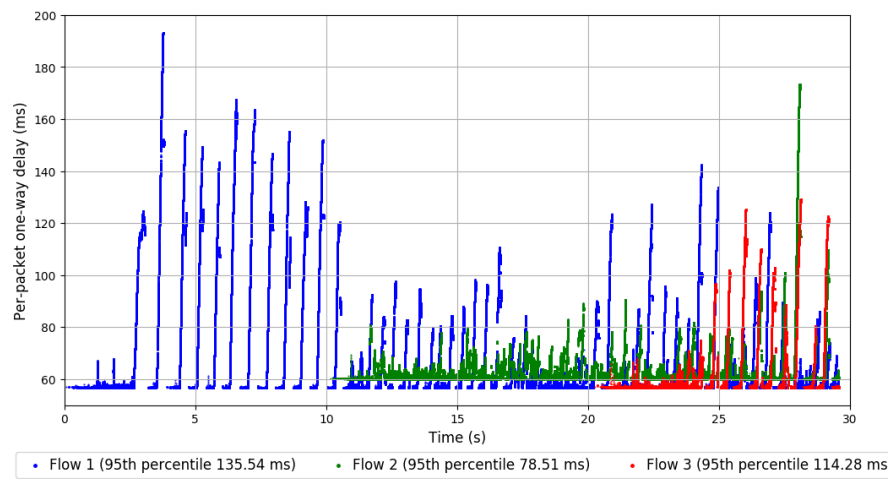
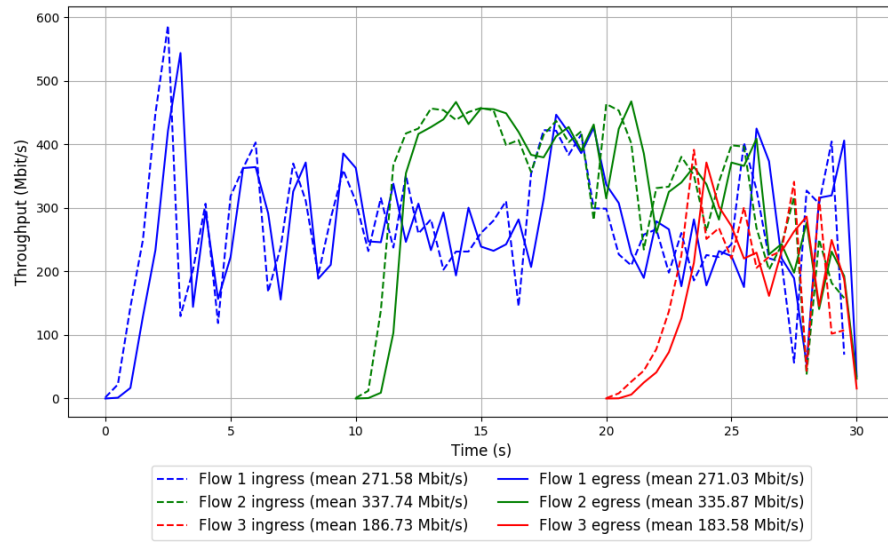


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-25 04:05:57
End at: 2019-11-25 04:06:27
Local clock offset: -0.048 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-11-25 08:31:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 549.96 Mbit/s
95th percentile per-packet one-way delay: 121.698 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 271.03 Mbit/s
95th percentile per-packet one-way delay: 135.542 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 335.87 Mbit/s
95th percentile per-packet one-way delay: 78.508 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 183.58 Mbit/s
95th percentile per-packet one-way delay: 114.285 ms
Loss rate: 2.90%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

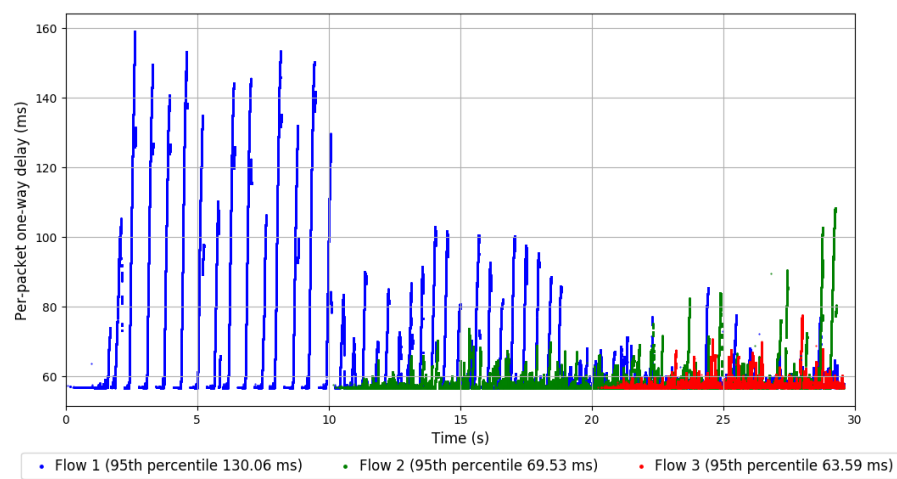
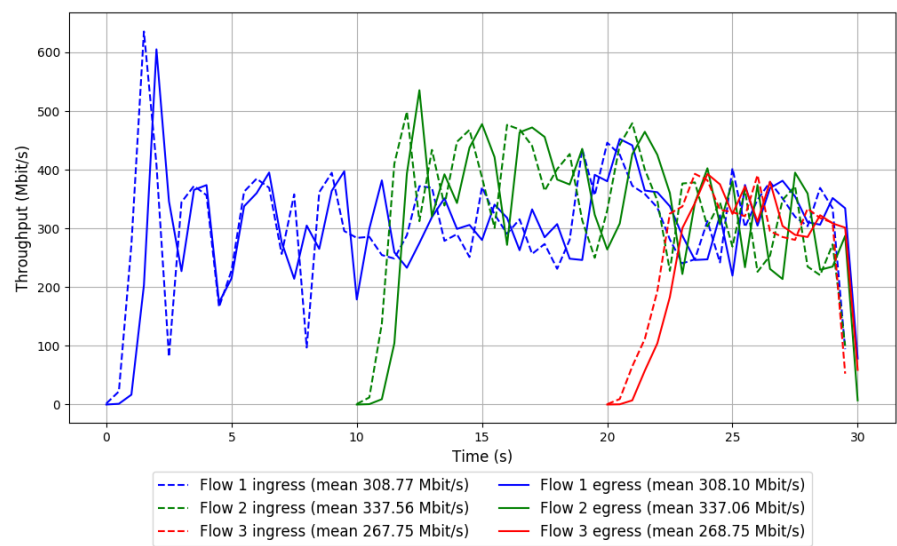


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-25 04:46:30
End at: 2019-11-25 04:47:00
Local clock offset: -0.185 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2019-11-25 08:33:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 614.88 Mbit/s
95th percentile per-packet one-way delay: 111.431 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 308.10 Mbit/s
95th percentile per-packet one-way delay: 130.063 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 337.06 Mbit/s
95th percentile per-packet one-way delay: 69.528 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 268.75 Mbit/s
95th percentile per-packet one-way delay: 63.594 ms
Loss rate: 0.84%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-25 05:27:21

End at: 2019-11-25 05:27:51

Local clock offset: -0.169 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2019-11-25 08:36:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 653.82 Mbit/s

95th percentile per-packet one-way delay: 89.216 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 351.79 Mbit/s

95th percentile per-packet one-way delay: 91.980 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 330.83 Mbit/s

95th percentile per-packet one-way delay: 91.228 ms

Loss rate: 0.83%

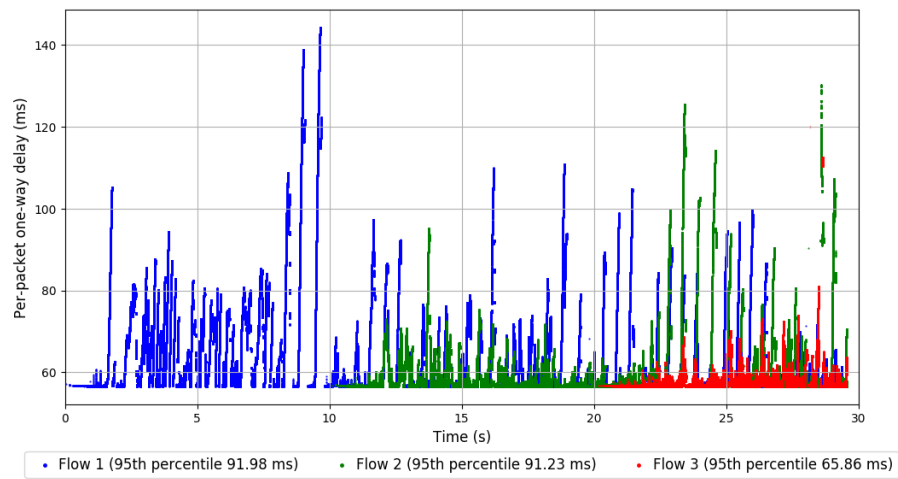
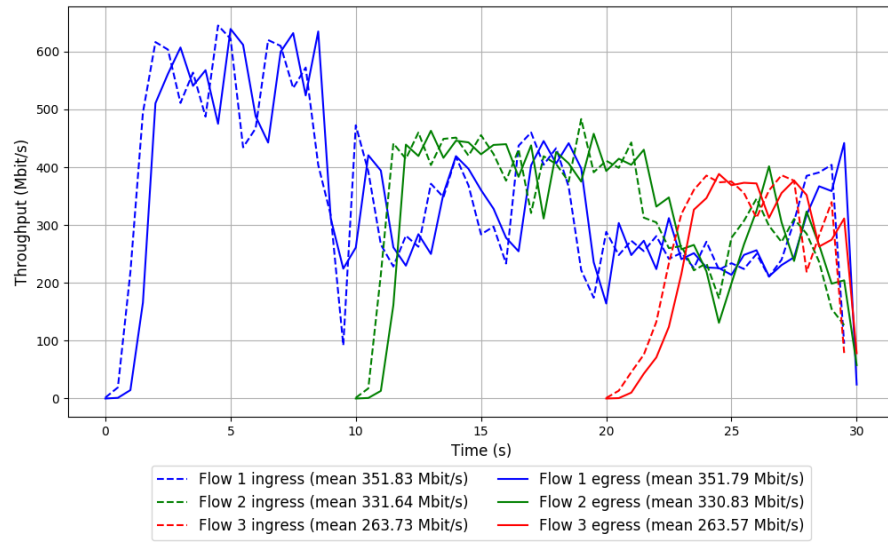
-- Flow 3:

Average throughput: 263.57 Mbit/s

95th percentile per-packet one-way delay: 65.860 ms

Loss rate: 1.27%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-25 06:08:19

End at: 2019-11-25 06:08:49

Local clock offset: -0.087 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2019-11-25 08:36:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 615.13 Mbit/s

95th percentile per-packet one-way delay: 106.123 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 303.86 Mbit/s

95th percentile per-packet one-way delay: 123.064 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 348.07 Mbit/s

95th percentile per-packet one-way delay: 70.844 ms

Loss rate: 0.10%

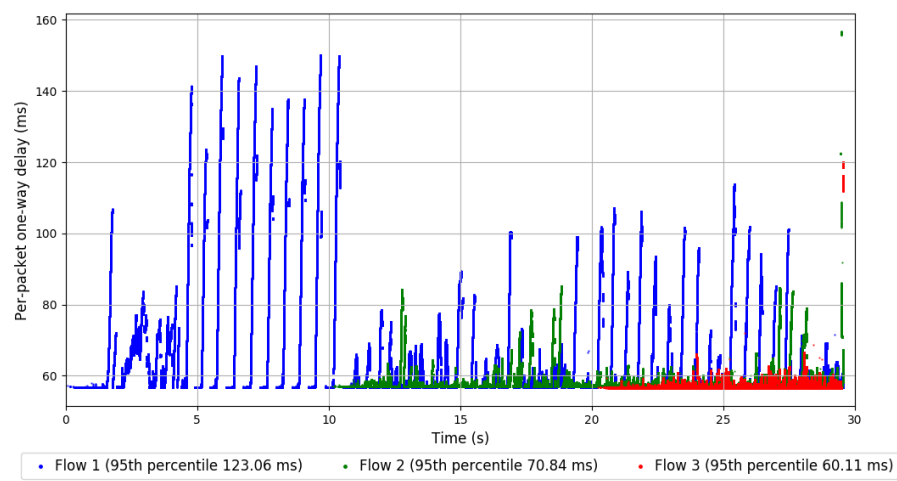
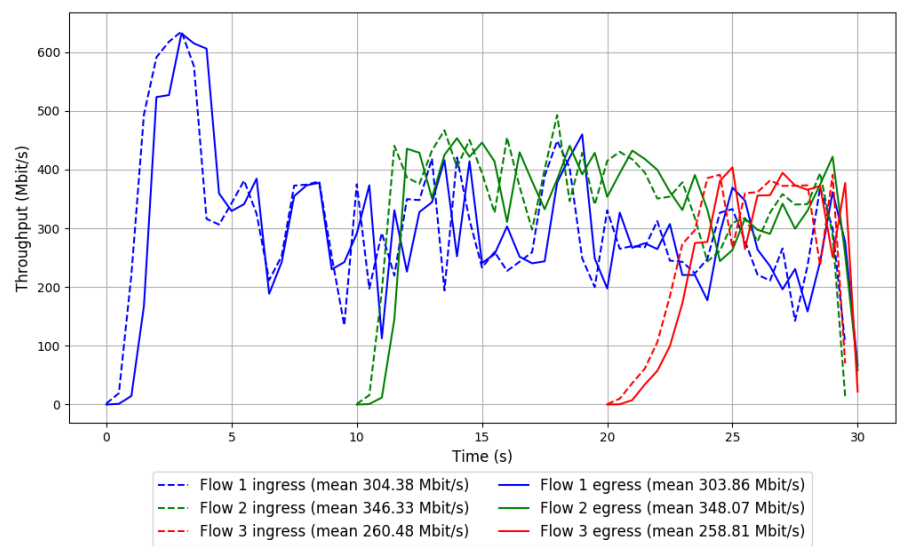
-- Flow 3:

Average throughput: 258.81 Mbit/s

95th percentile per-packet one-way delay: 60.106 ms

Loss rate: 1.84%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

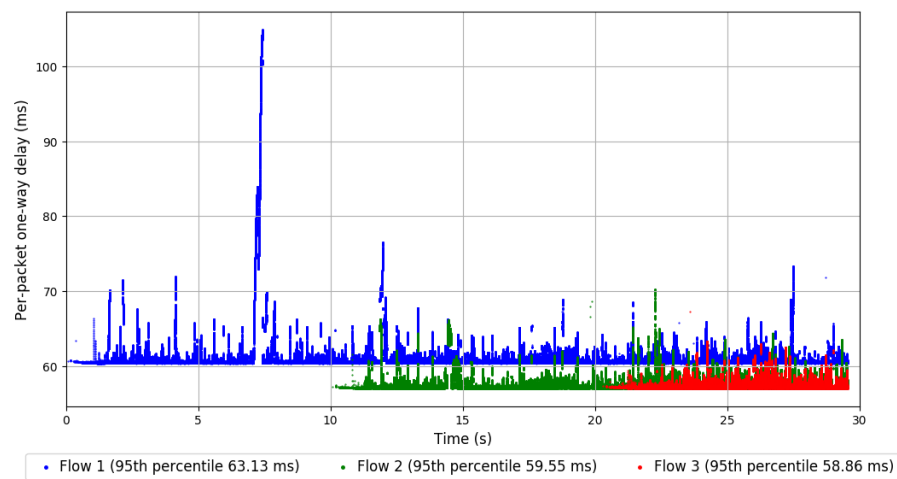
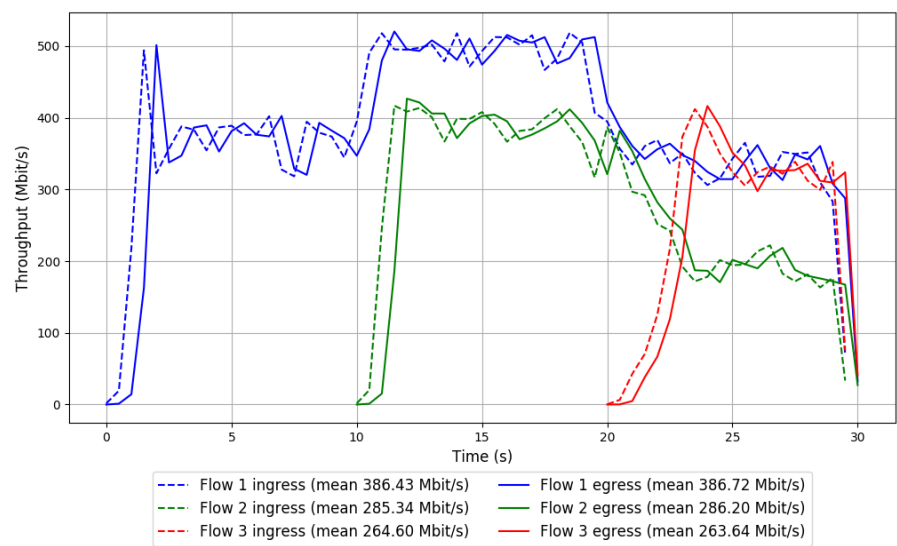


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-25 02:59:43
End at: 2019-11-25 03:00:13
Local clock offset: -0.073 ms
Remote clock offset: -0.285 ms

# Below is generated by plot.py at 2019-11-25 08:36:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 658.40 Mbit/s
95th percentile per-packet one-way delay: 62.074 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 386.72 Mbit/s
95th percentile per-packet one-way delay: 63.126 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 286.20 Mbit/s
95th percentile per-packet one-way delay: 59.546 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 263.64 Mbit/s
95th percentile per-packet one-way delay: 58.861 ms
Loss rate: 1.59%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

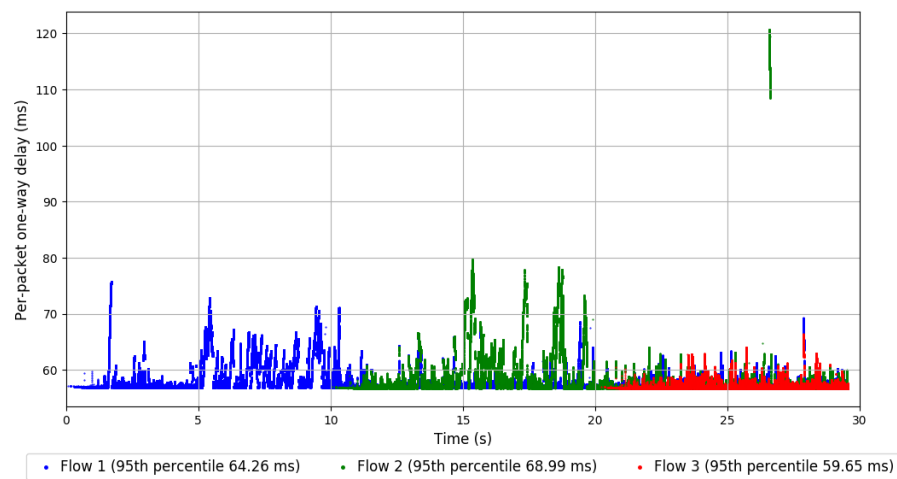
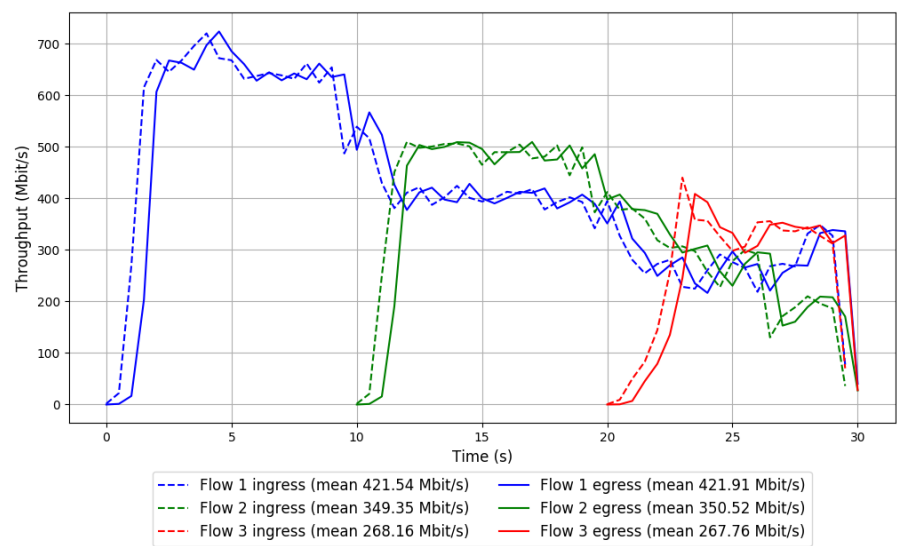


Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-25 03:40:35
End at: 2019-11-25 03:41:05
Local clock offset: -0.069 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2019-11-25 08:38:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 738.05 Mbit/s
95th percentile per-packet one-way delay: 64.615 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 421.91 Mbit/s
95th percentile per-packet one-way delay: 64.260 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 350.52 Mbit/s
95th percentile per-packet one-way delay: 68.990 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 267.76 Mbit/s
95th percentile per-packet one-way delay: 59.648 ms
Loss rate: 1.38%

Run 2: Report of Muses_DecisionTreeR0 — Data Link

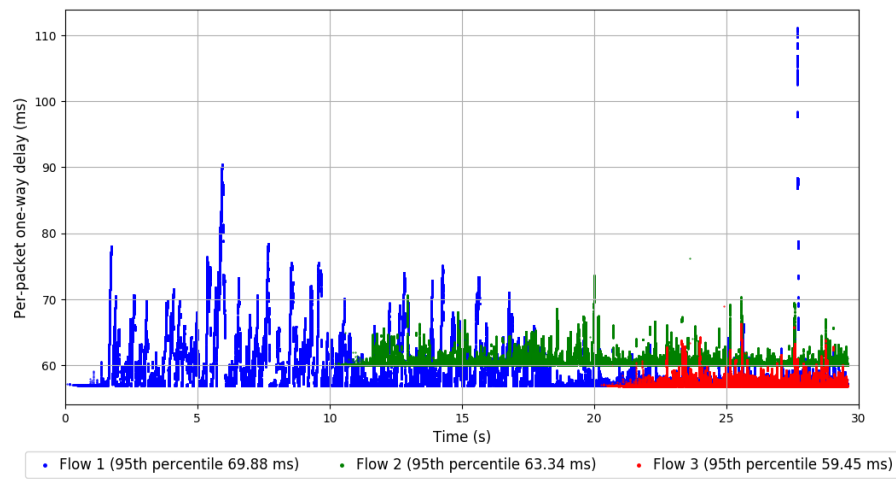
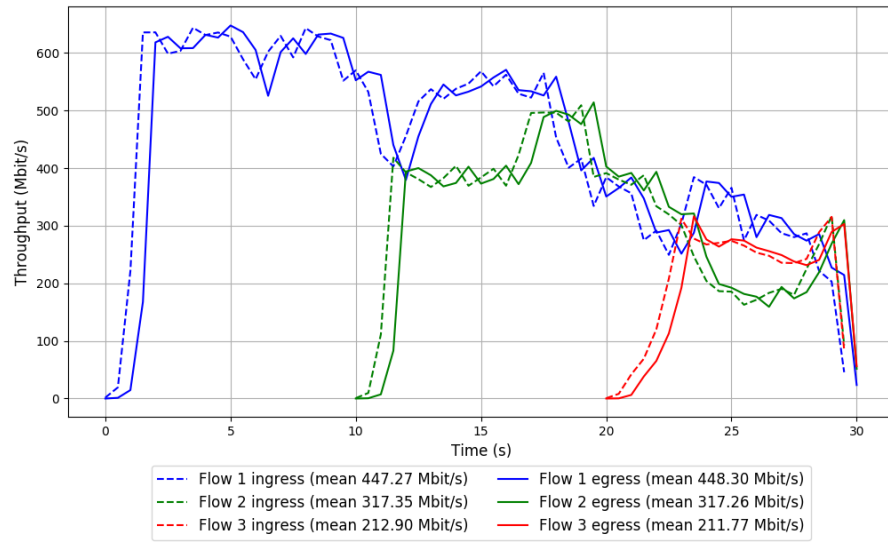


Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-25 04:21:23
End at: 2019-11-25 04:21:53
Local clock offset: -0.003 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2019-11-25 08:39:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 723.36 Mbit/s
95th percentile per-packet one-way delay: 67.448 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 448.30 Mbit/s
95th percentile per-packet one-way delay: 69.876 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 317.26 Mbit/s
95th percentile per-packet one-way delay: 63.336 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 211.77 Mbit/s
95th percentile per-packet one-way delay: 59.454 ms
Loss rate: 1.75%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

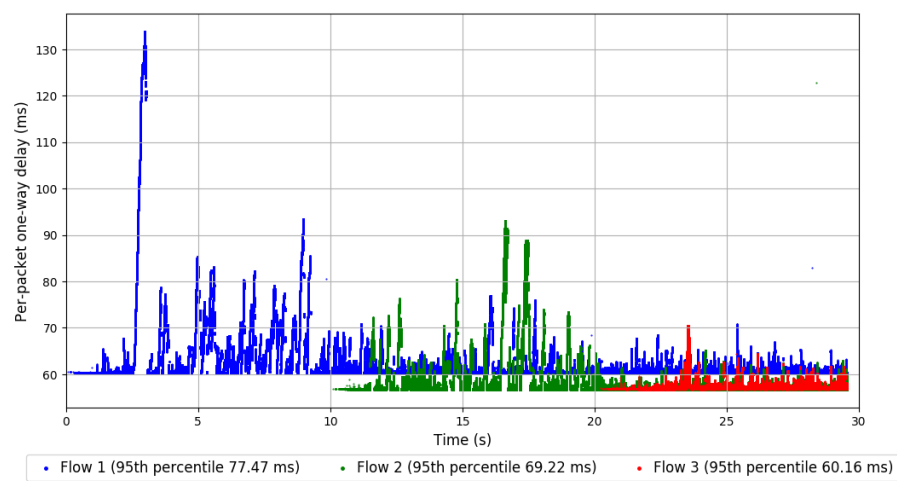
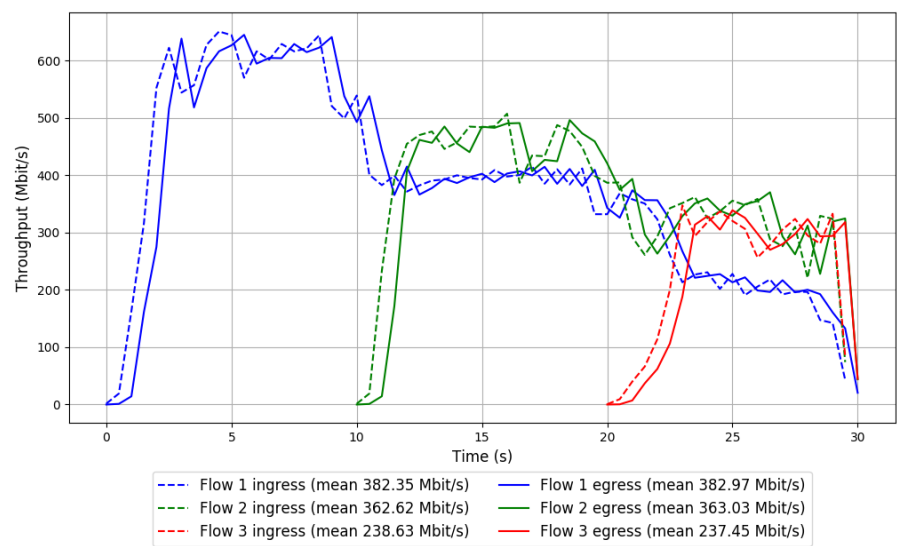


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-25 05:02:00
End at: 2019-11-25 05:02:30
Local clock offset: -0.231 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2019-11-25 08:39:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 697.71 Mbit/s
95th percentile per-packet one-way delay: 73.631 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 382.97 Mbit/s
95th percentile per-packet one-way delay: 77.470 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 363.03 Mbit/s
95th percentile per-packet one-way delay: 69.222 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 237.45 Mbit/s
95th percentile per-packet one-way delay: 60.159 ms
Loss rate: 1.72%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-25 05:42:51

End at: 2019-11-25 05:43:21

Local clock offset: -0.093 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2019-11-25 08:44:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 698.91 Mbit/s

95th percentile per-packet one-way delay: 71.591 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 388.85 Mbit/s

95th percentile per-packet one-way delay: 76.227 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 342.75 Mbit/s

95th percentile per-packet one-way delay: 59.423 ms

Loss rate: 0.29%

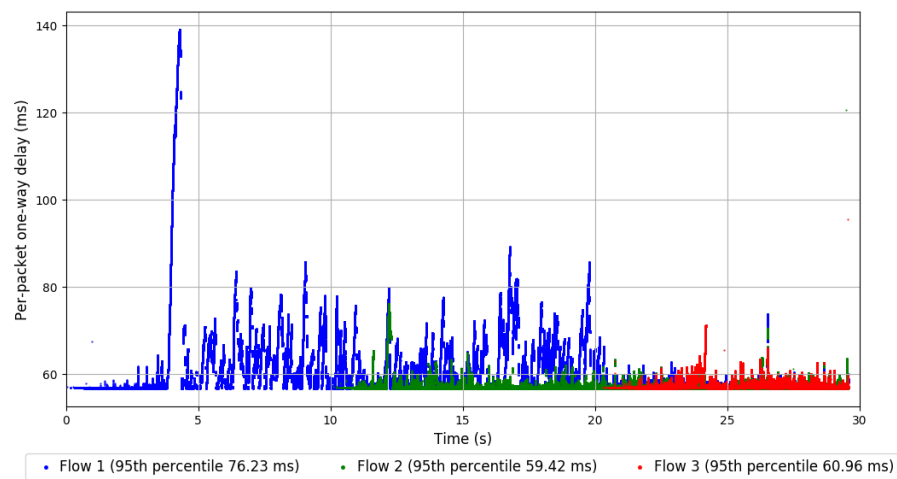
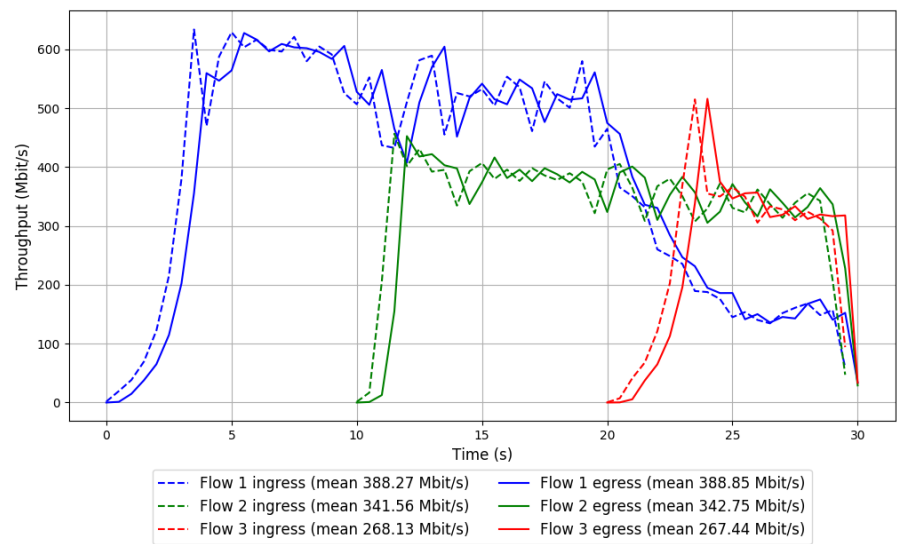
-- Flow 3:

Average throughput: 267.44 Mbit/s

95th percentile per-packet one-way delay: 60.957 ms

Loss rate: 1.46%

Run 5: Report of Muses_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-11-25 03:34:03

End at: 2019-11-25 03:34:33

Local clock offset: -0.106 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2019-11-25 08:54:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 582.21 Mbit/s

95th percentile per-packet one-way delay: 114.219 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 299.47 Mbit/s

95th percentile per-packet one-way delay: 76.827 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 309.71 Mbit/s

95th percentile per-packet one-way delay: 129.378 ms

Loss rate: 0.66%

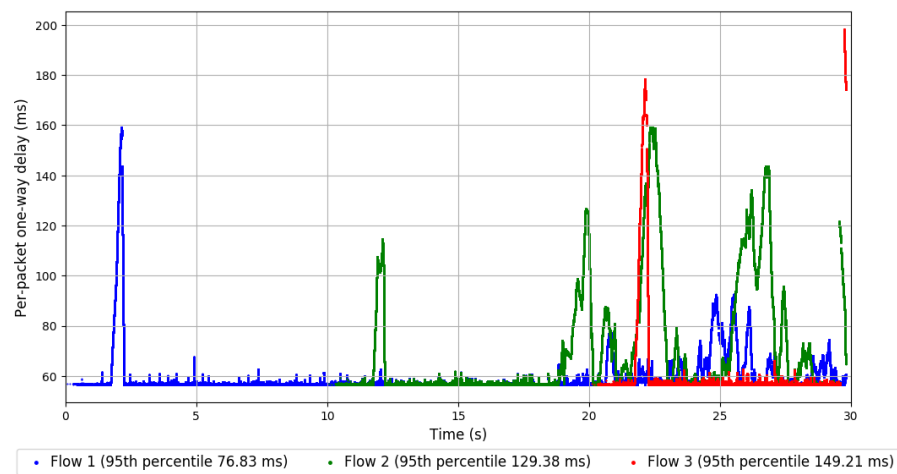
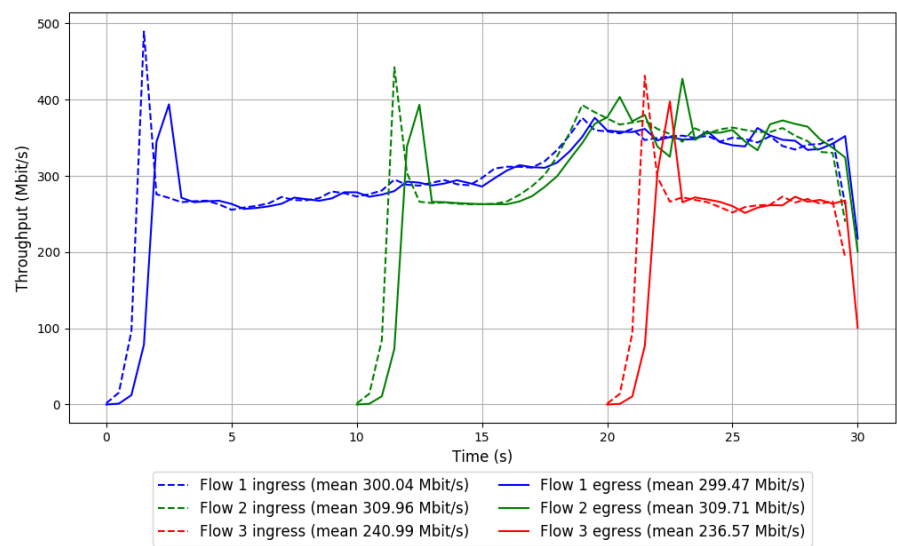
-- Flow 3:

Average throughput: 236.57 Mbit/s

95th percentile per-packet one-way delay: 149.205 ms

Loss rate: 2.98%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-11-25 04:14:52

End at: 2019-11-25 04:15:22

Local clock offset: -0.038 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2019-11-25 08:57:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 606.89 Mbit/s

95th percentile per-packet one-way delay: 91.062 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 321.45 Mbit/s

95th percentile per-packet one-way delay: 71.916 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 312.34 Mbit/s

95th percentile per-packet one-way delay: 98.712 ms

Loss rate: 0.70%

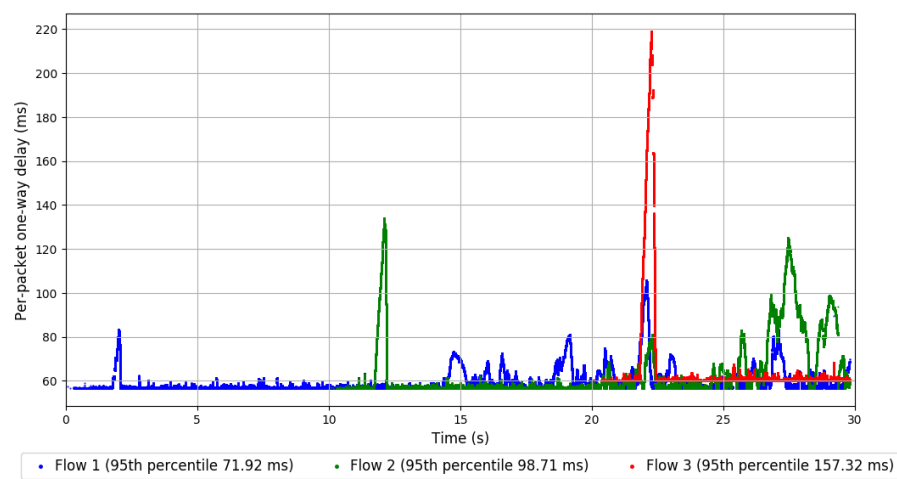
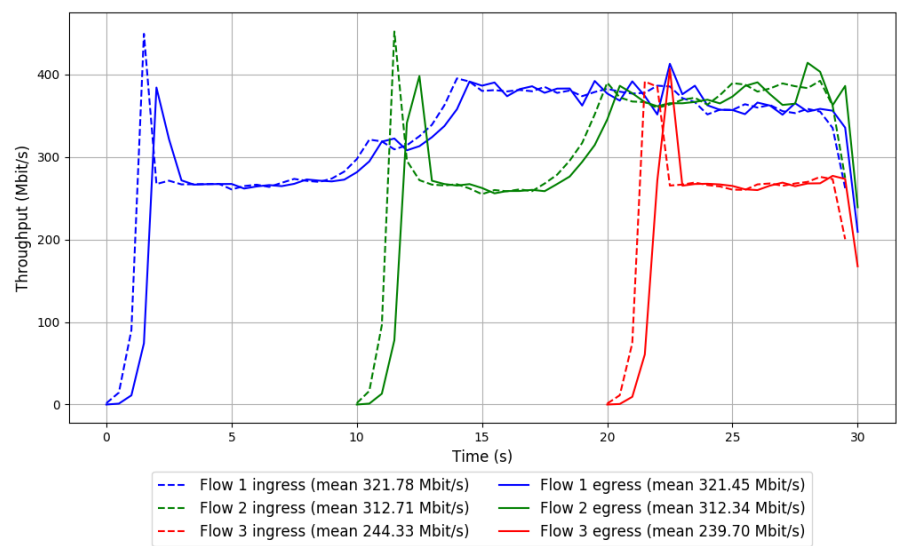
-- Flow 3:

Average throughput: 239.70 Mbit/s

95th percentile per-packet one-way delay: 157.321 ms

Loss rate: 3.08%

Run 2: Report of PCC-Allegro — Data Link

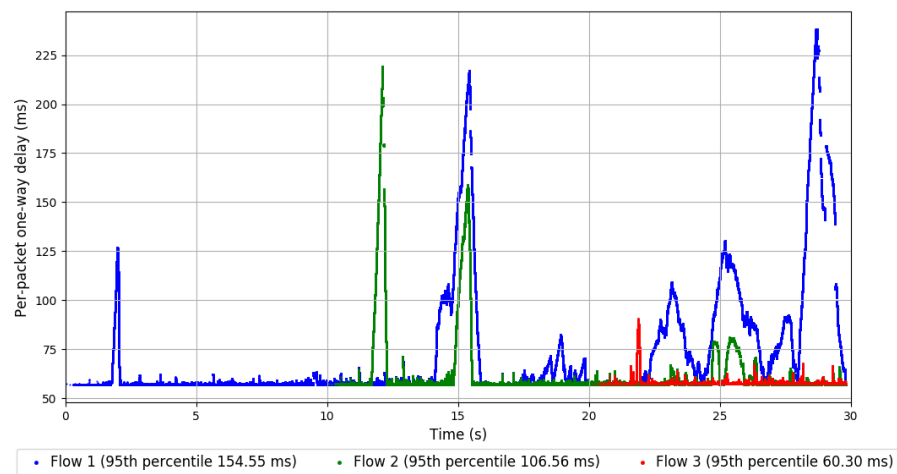
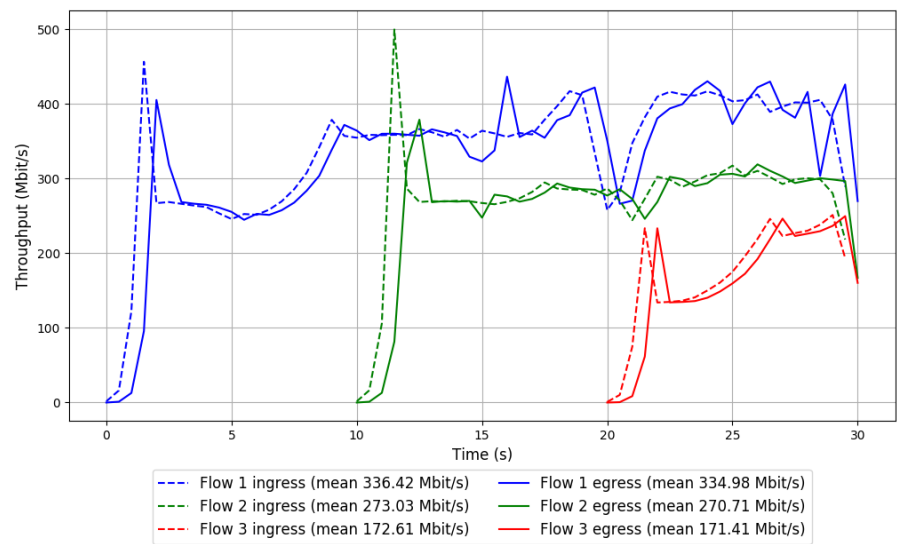


Run 3: Statistics of PCC-Allegro

Start at: 2019-11-25 04:55:32
End at: 2019-11-25 04:56:02
Local clock offset: -0.219 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2019-11-25 08:57:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 570.32 Mbit/s
95th percentile per-packet one-way delay: 131.622 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 334.98 Mbit/s
95th percentile per-packet one-way delay: 154.547 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 270.71 Mbit/s
95th percentile per-packet one-way delay: 106.555 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 171.41 Mbit/s
95th percentile per-packet one-way delay: 60.296 ms
Loss rate: 1.86%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-11-25 05:36:18

End at: 2019-11-25 05:36:48

Local clock offset: -0.133 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-11-25 08:57:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 523.33 Mbit/s

95th percentile per-packet one-way delay: 288.283 ms

Loss rate: 4.42%

-- Flow 1:

Average throughput: 283.29 Mbit/s

95th percentile per-packet one-way delay: 271.070 ms

Loss rate: 3.80%

-- Flow 2:

Average throughput: 246.92 Mbit/s

95th percentile per-packet one-way delay: 286.554 ms

Loss rate: 4.03%

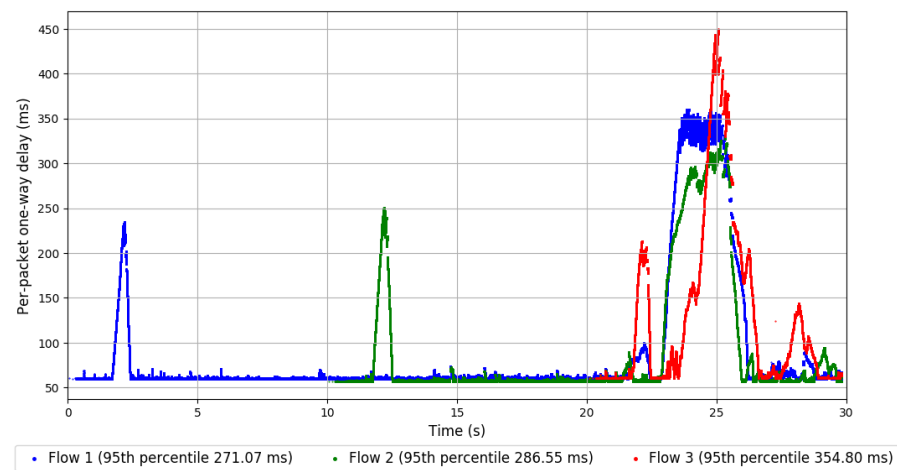
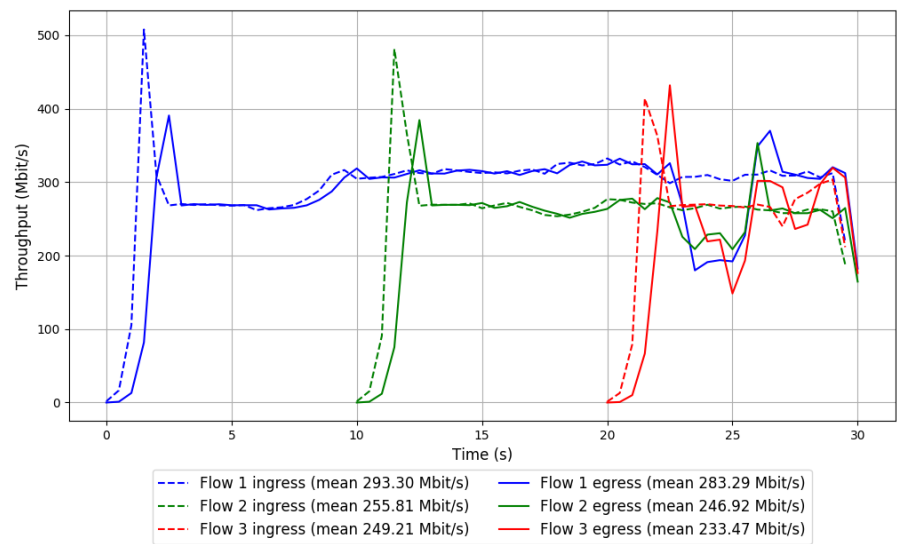
-- Flow 3:

Average throughput: 233.47 Mbit/s

95th percentile per-packet one-way delay: 354.800 ms

Loss rate: 7.45%

Run 4: Report of PCC-Allegro — Data Link

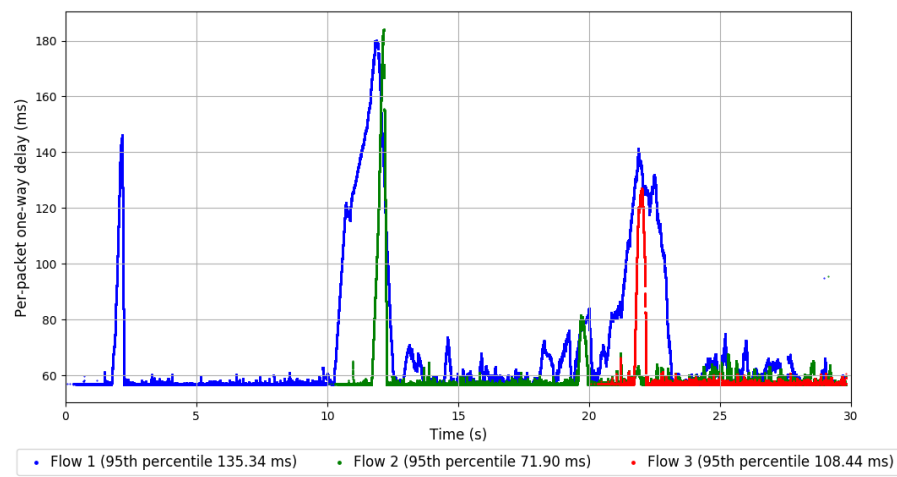
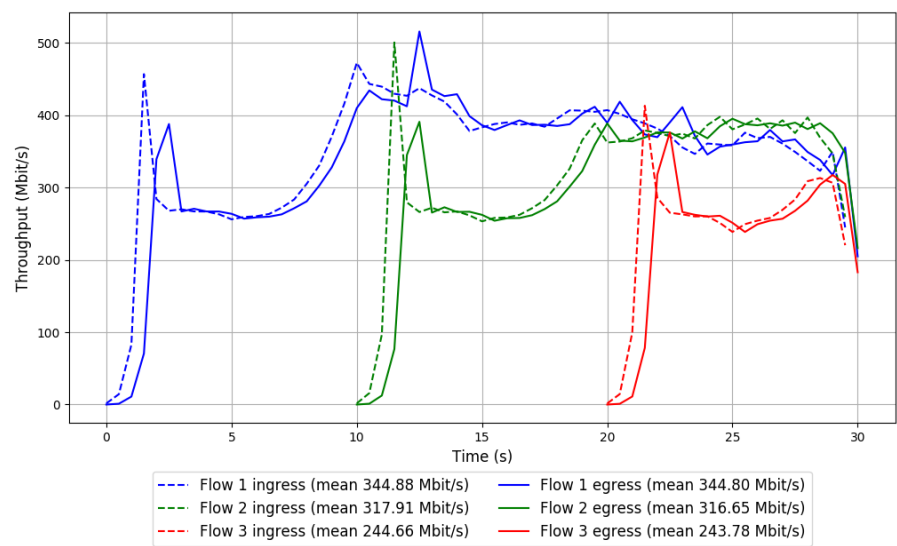


Run 5: Statistics of PCC-Allegro

Start at: 2019-11-25 06:17:16
End at: 2019-11-25 06:17:46
Local clock offset: -0.089 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-11-25 09:01:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 634.60 Mbit/s
95th percentile per-packet one-way delay: 125.935 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 344.80 Mbit/s
95th percentile per-packet one-way delay: 135.343 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 316.65 Mbit/s
95th percentile per-packet one-way delay: 71.898 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 243.78 Mbit/s
95th percentile per-packet one-way delay: 108.439 ms
Loss rate: 1.50%

Run 5: Report of PCC-Allegro — Data Link

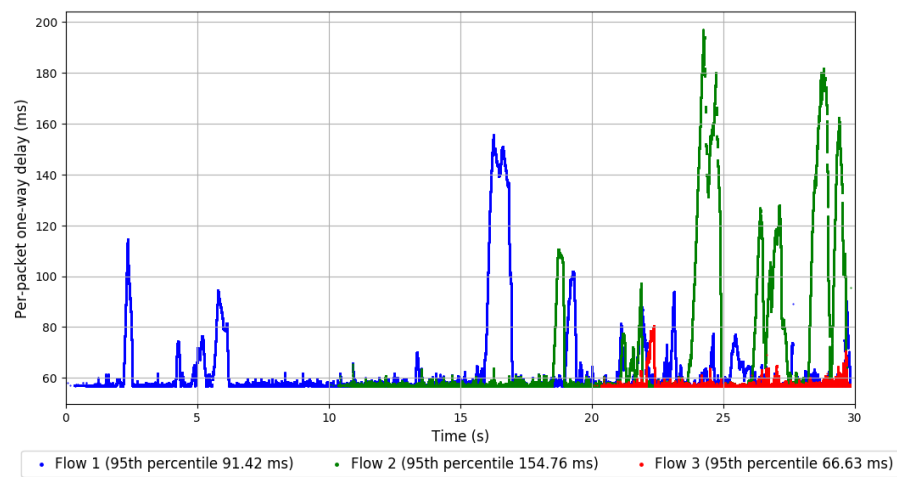
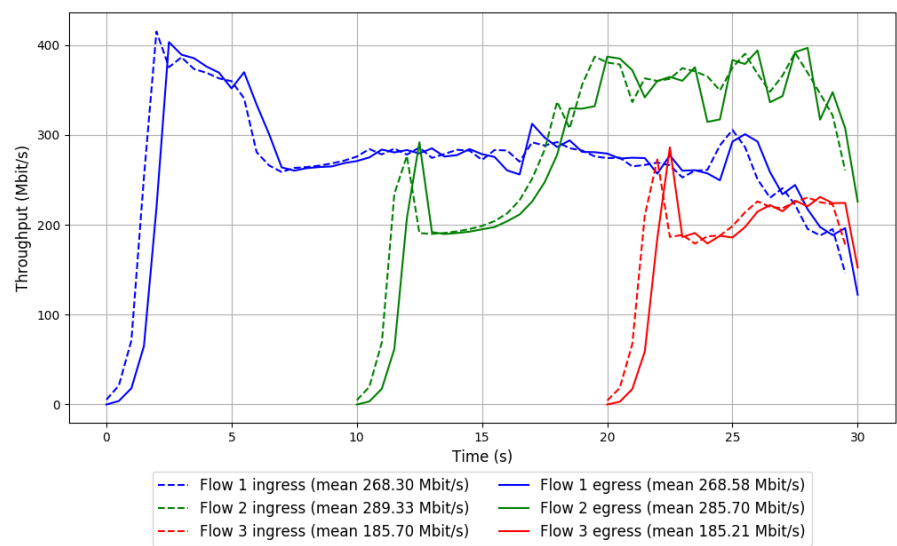


```
Run 1: Statistics of PCC-Expr

Start at: 2019-11-25 03:03:16
End at: 2019-11-25 03:03:46
Local clock offset: -0.104 ms
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2019-11-25 09:01:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 518.80 Mbit/s
95th percentile per-packet one-way delay: 124.255 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 268.58 Mbit/s
95th percentile per-packet one-way delay: 91.425 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 285.70 Mbit/s
95th percentile per-packet one-way delay: 154.762 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 185.21 Mbit/s
95th percentile per-packet one-way delay: 66.633 ms
Loss rate: 1.43%
```

Run 1: Report of PCC-Expr — Data Link

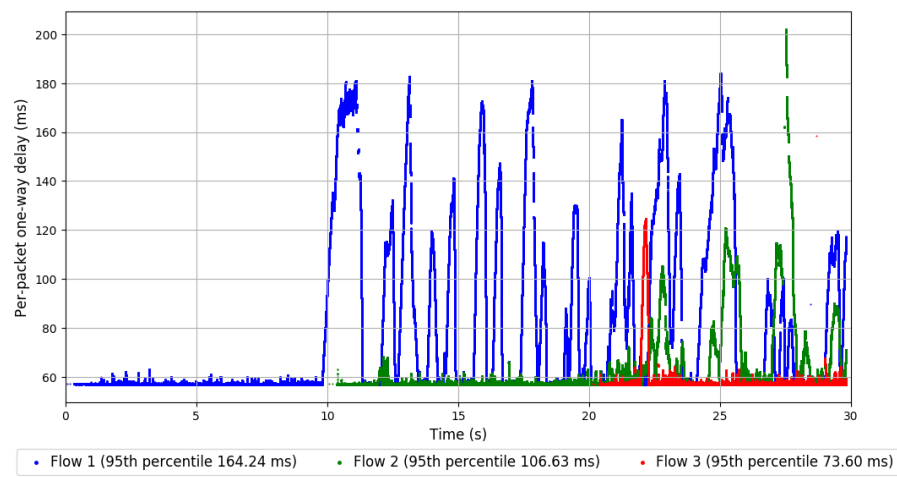
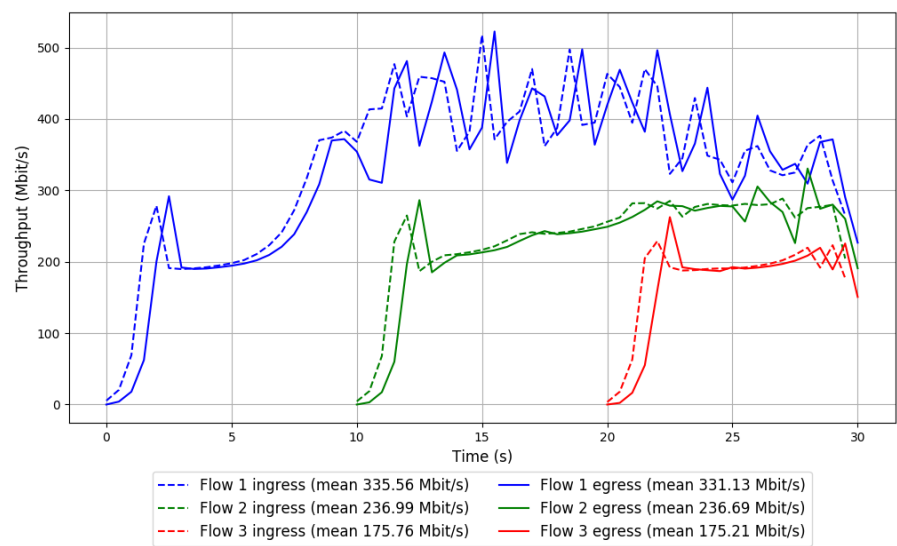


Run 2: Statistics of PCC-Expr

Start at: 2019-11-25 03:44:11
End at: 2019-11-25 03:44:41
Local clock offset: -0.041 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2019-11-25 09:01:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 545.48 Mbit/s
95th percentile per-packet one-way delay: 151.675 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 331.13 Mbit/s
95th percentile per-packet one-way delay: 164.244 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 236.69 Mbit/s
95th percentile per-packet one-way delay: 106.634 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 175.21 Mbit/s
95th percentile per-packet one-way delay: 73.599 ms
Loss rate: 1.47%

Run 2: Report of PCC-Expr — Data Link

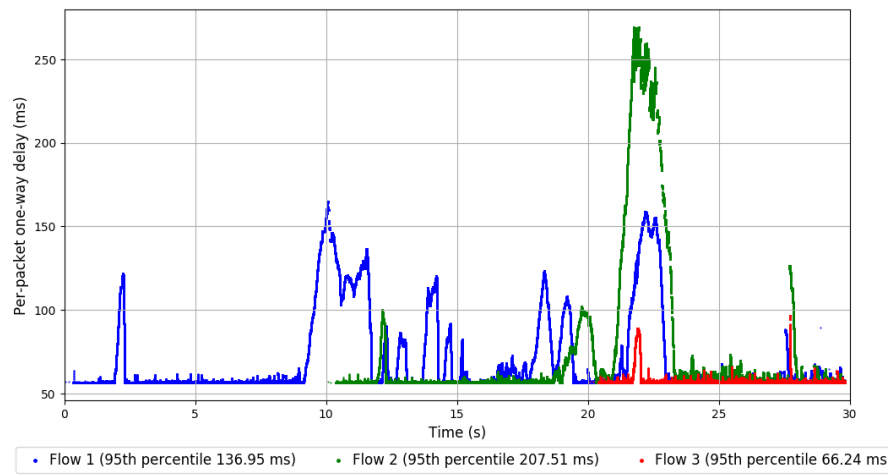
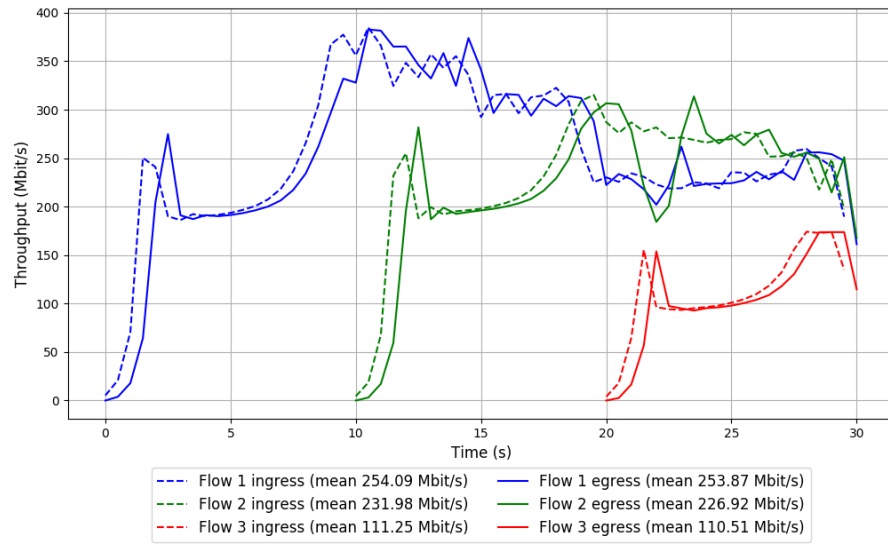


```
Run 3: Statistics of PCC-Expr

Start at: 2019-11-25 04:25:01
End at: 2019-11-25 04:25:31
Local clock offset: -0.009 ms
Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2019-11-25 09:01:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 440.66 Mbit/s
95th percentile per-packet one-way delay: 142.751 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 253.87 Mbit/s
95th percentile per-packet one-way delay: 136.952 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 226.92 Mbit/s
95th percentile per-packet one-way delay: 207.515 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 110.51 Mbit/s
95th percentile per-packet one-way delay: 66.239 ms
Loss rate: 1.83%
```

Run 3: Report of PCC-Expr — Data Link

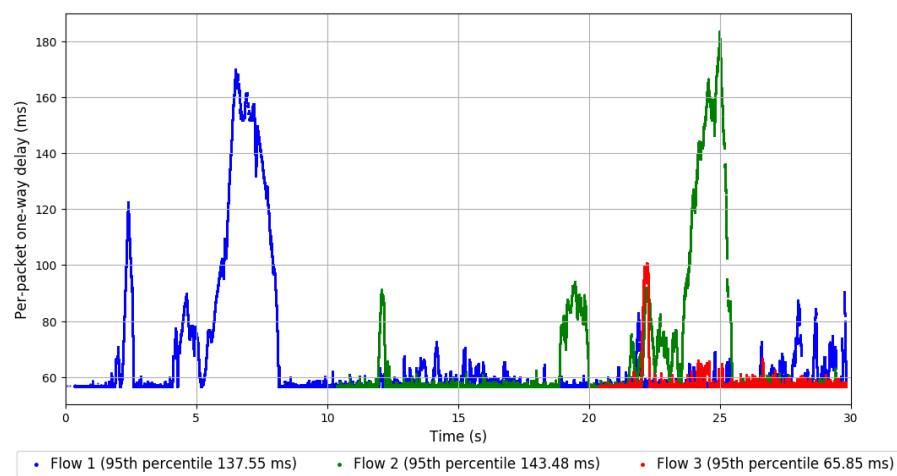
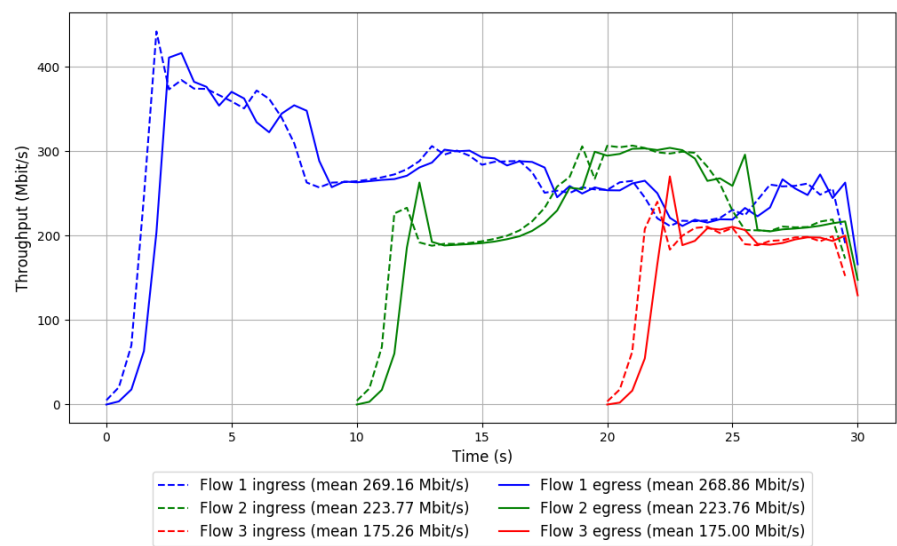


Run 4: Statistics of PCC-Expr

Start at: 2019-11-25 05:05:37
End at: 2019-11-25 05:06:07
Local clock offset: -0.223 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2019-11-25 09:11:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 474.68 Mbit/s
95th percentile per-packet one-way delay: 135.138 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 268.86 Mbit/s
95th percentile per-packet one-way delay: 137.553 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 223.76 Mbit/s
95th percentile per-packet one-way delay: 143.476 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 175.00 Mbit/s
95th percentile per-packet one-way delay: 65.846 ms
Loss rate: 1.31%

Run 4: Report of PCC-Expr — Data Link

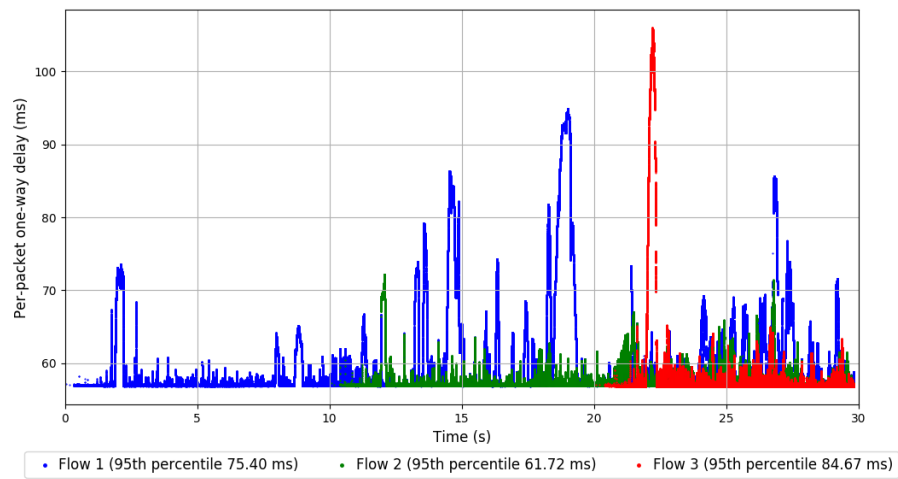
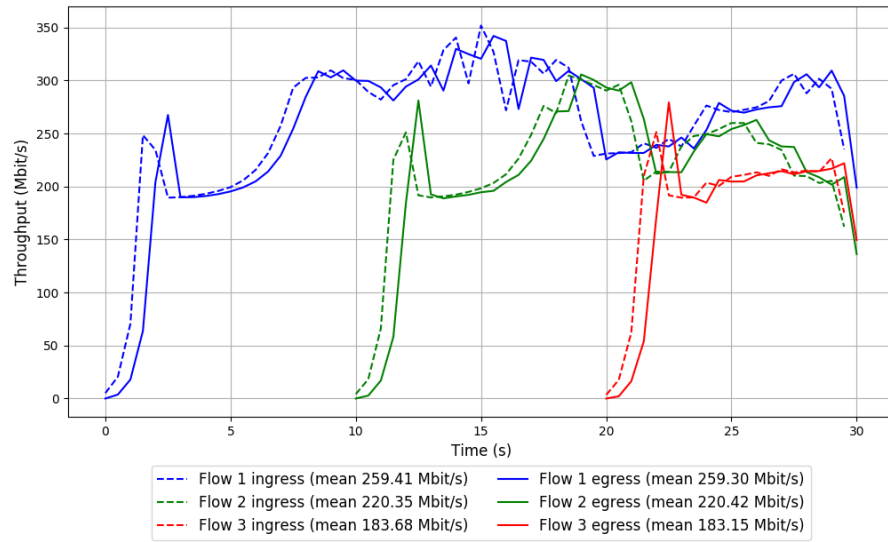


Run 5: Statistics of PCC-Expr

Start at: 2019-11-25 05:46:27
End at: 2019-11-25 05:46:57
Local clock offset: -0.046 ms
Remote clock offset: -0.175 ms

Below is generated by plot.py at 2019-11-25 09:11:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 465.54 Mbit/s
95th percentile per-packet one-way delay: 71.776 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 259.30 Mbit/s
95th percentile per-packet one-way delay: 75.400 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 220.42 Mbit/s
95th percentile per-packet one-way delay: 61.716 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 183.15 Mbit/s
95th percentile per-packet one-way delay: 84.670 ms
Loss rate: 1.45%

Run 5: Report of PCC-Expr — Data Link

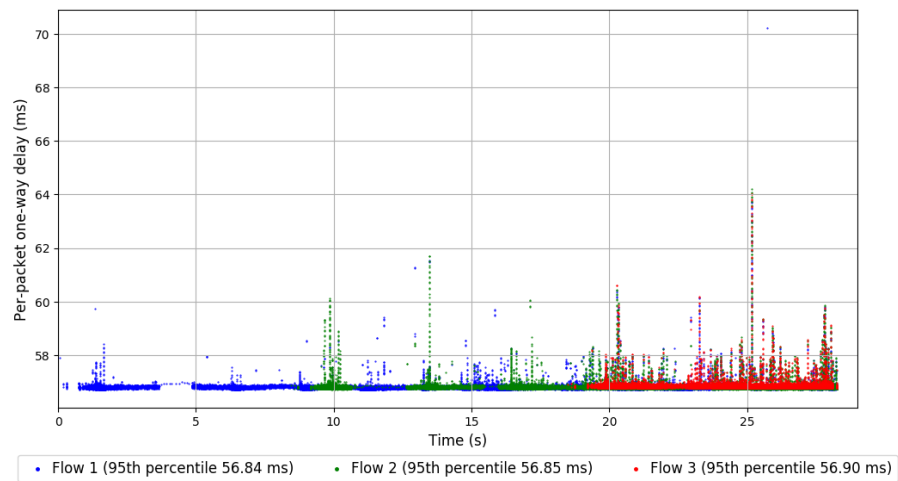
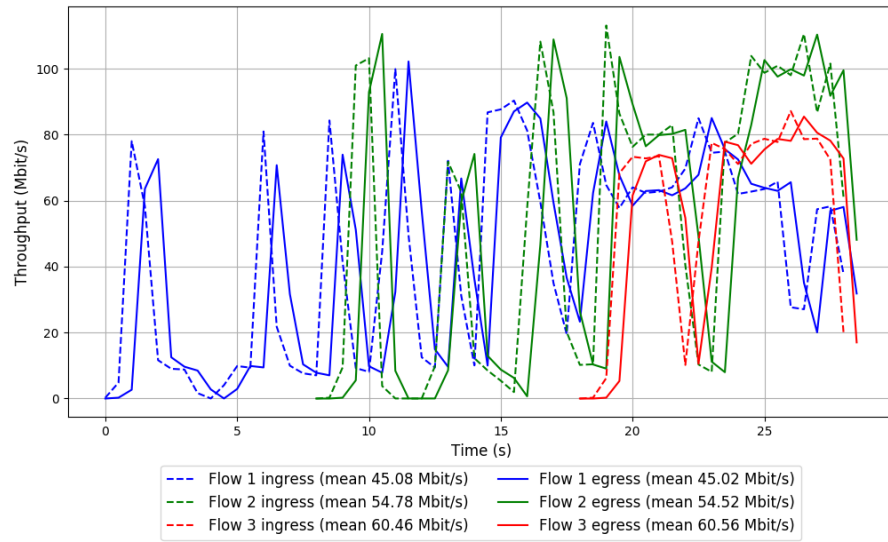


Run 1: Statistics of QUIC Cubic

Start at: 2019-11-25 03:15:53
End at: 2019-11-25 03:16:23
Local clock offset: -0.08 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2019-11-25 09:11:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 104.26 Mbit/s
95th percentile per-packet one-way delay: 56.868 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 45.02 Mbit/s
95th percentile per-packet one-way delay: 56.840 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 54.52 Mbit/s
95th percentile per-packet one-way delay: 56.855 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 60.56 Mbit/s
95th percentile per-packet one-way delay: 56.902 ms
Loss rate: 0.98%

Run 1: Report of QUIC Cubic — Data Link

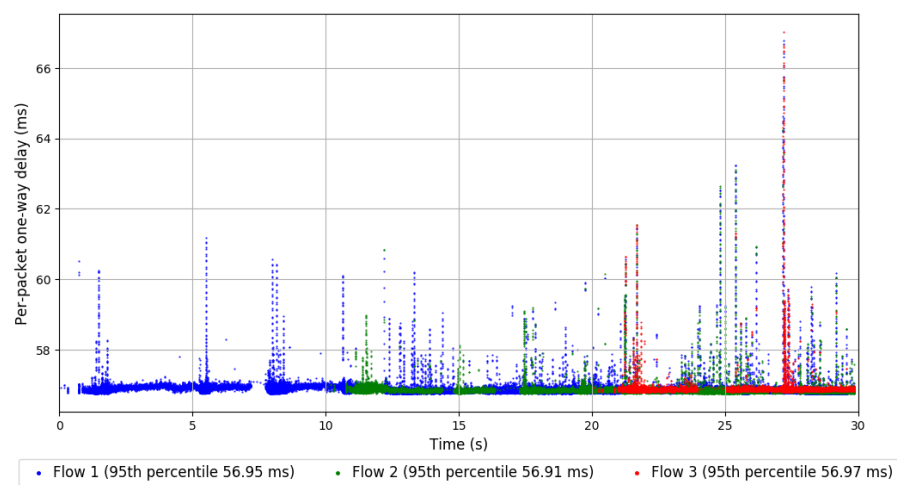
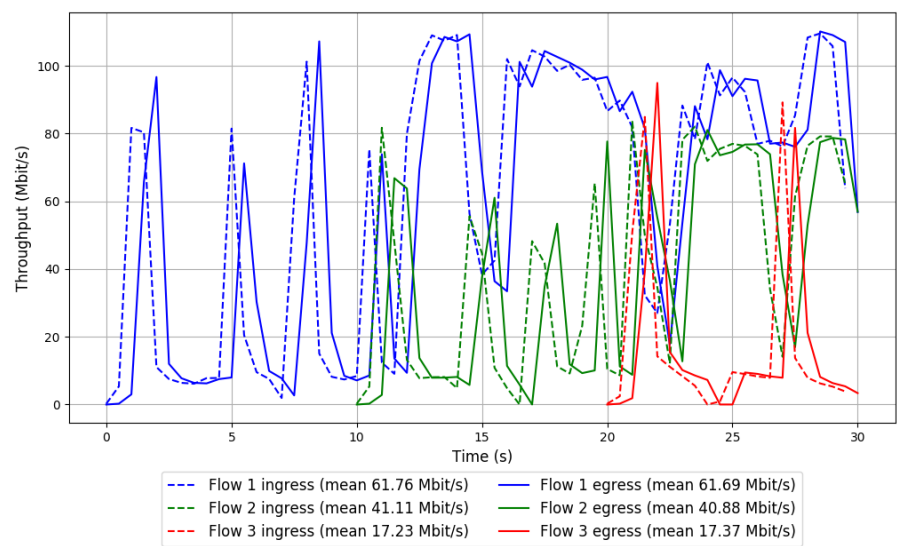


Run 2: Statistics of QUIC Cubic

Start at: 2019-11-25 03:56:41
End at: 2019-11-25 03:57:11
Local clock offset: -0.054 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-11-25 09:11:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.52 Mbit/s
95th percentile per-packet one-way delay: 56.941 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 61.69 Mbit/s
95th percentile per-packet one-way delay: 56.950 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 56.912 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 17.37 Mbit/s
95th percentile per-packet one-way delay: 56.966 ms
Loss rate: 0.32%

Run 2: Report of QUIC Cubic — Data Link

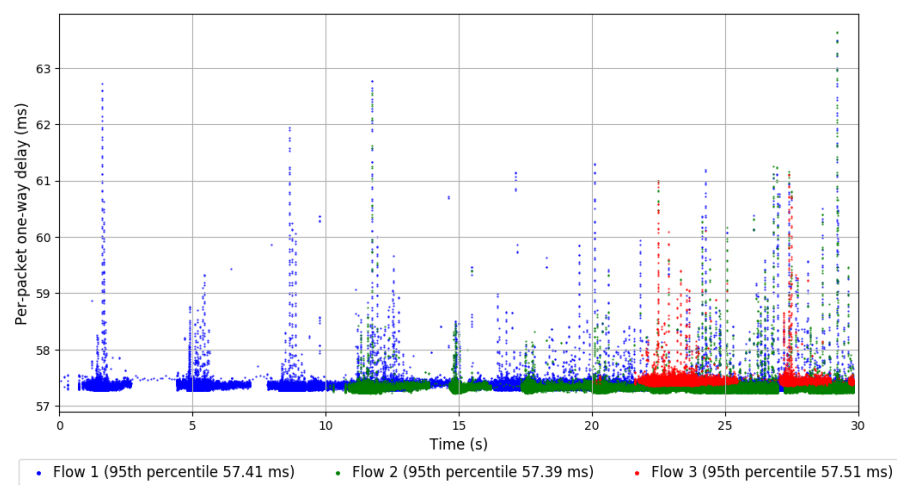
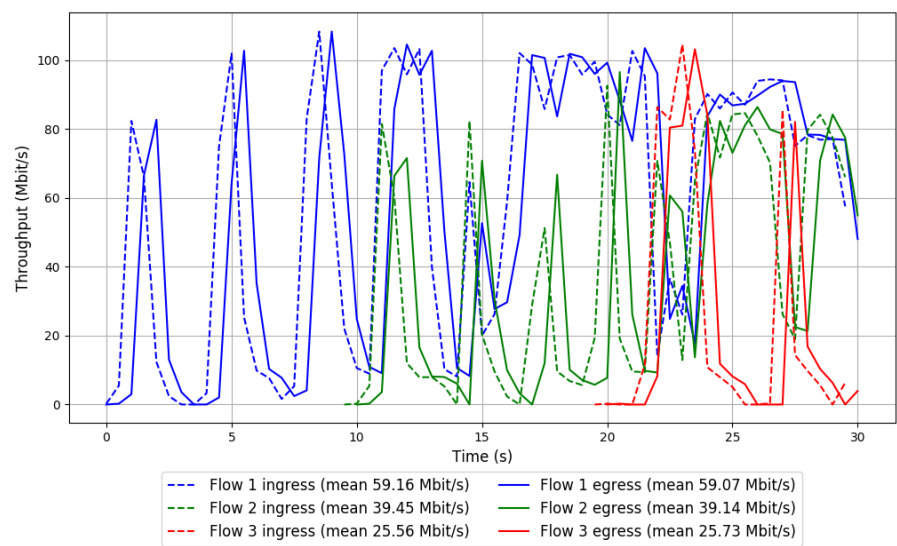


Run 3: Statistics of QUIC Cubic

Start at: 2019-11-25 04:37:23
End at: 2019-11-25 04:37:53
Local clock offset: 0.254 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2019-11-25 09:11:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 57.443 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 59.07 Mbit/s
95th percentile per-packet one-way delay: 57.414 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 39.14 Mbit/s
95th percentile per-packet one-way delay: 57.387 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 25.73 Mbit/s
95th percentile per-packet one-way delay: 57.514 ms
Loss rate: 0.47%

Run 3: Report of QUIC Cubic — Data Link

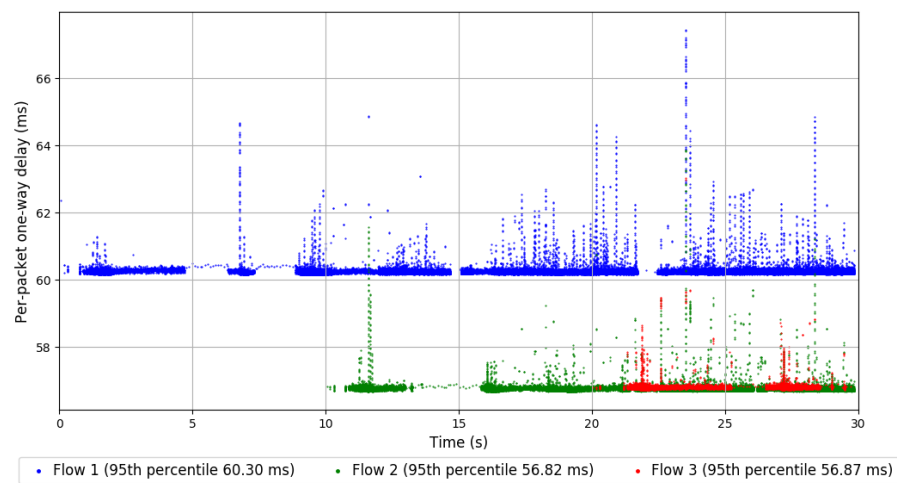
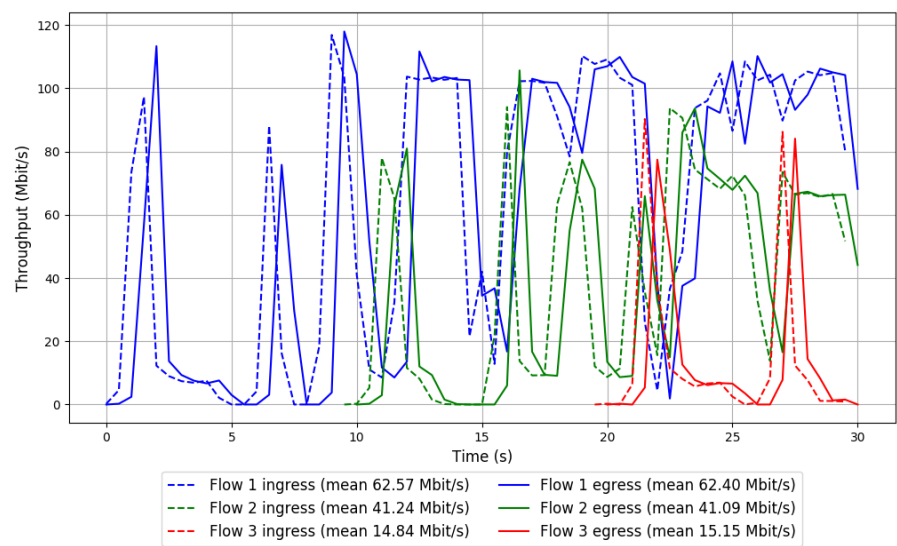


Run 4: Statistics of QUIC Cubic

Start at: 2019-11-25 05:18:06
End at: 2019-11-25 05:18:36
Local clock offset: -0.177 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-11-25 09:11:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.62 Mbit/s
95th percentile per-packet one-way delay: 60.285 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 62.40 Mbit/s
95th percentile per-packet one-way delay: 60.299 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 41.09 Mbit/s
95th percentile per-packet one-way delay: 56.824 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 15.15 Mbit/s
95th percentile per-packet one-way delay: 56.873 ms
Loss rate: 0.32%

Run 4: Report of QUIC Cubic — Data Link

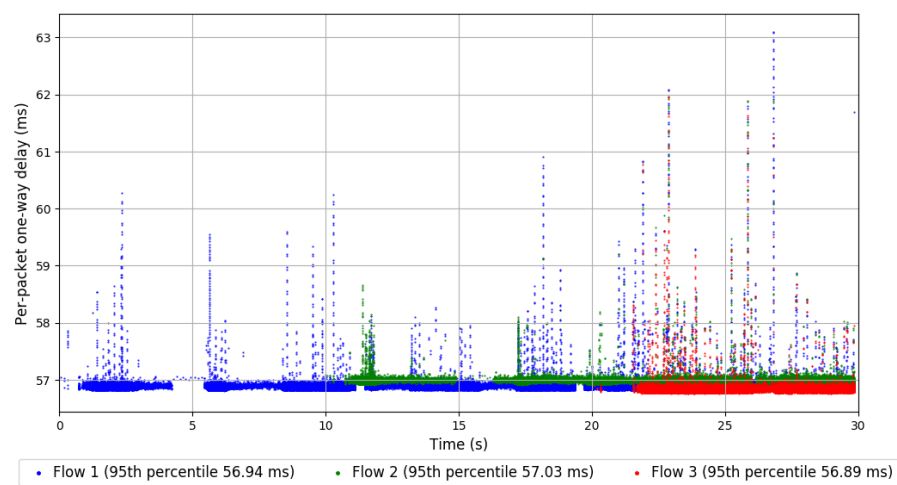
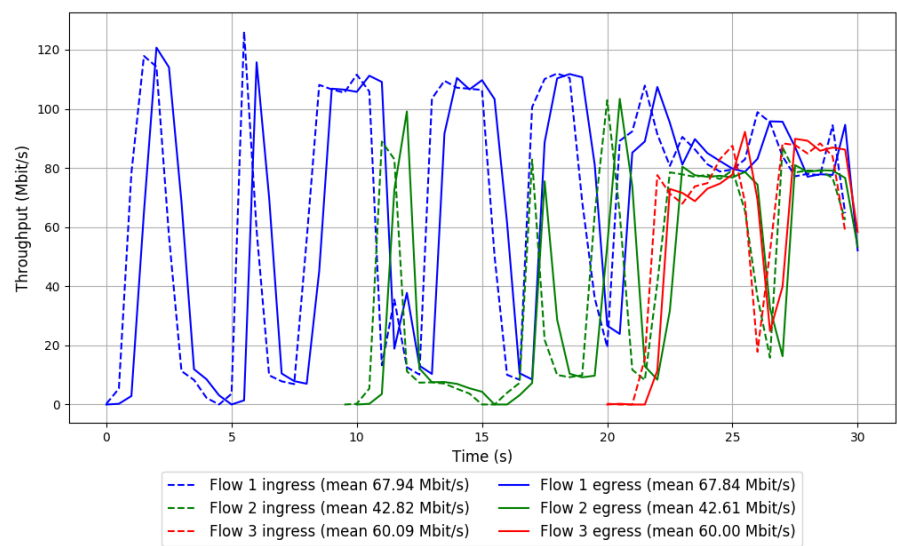


Run 5: Statistics of QUIC Cubic

Start at: 2019-11-25 05:59:05
End at: 2019-11-25 05:59:35
Local clock offset: -0.044 ms
Remote clock offset: -0.082 ms

```
# Below is generated by plot.py at 2019-11-25 09:11:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 115.84 Mbit/s
95th percentile per-packet one-way delay: 56.999 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 67.84 Mbit/s
95th percentile per-packet one-way delay: 56.935 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 42.61 Mbit/s
95th percentile per-packet one-way delay: 57.030 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 60.00 Mbit/s
95th percentile per-packet one-way delay: 56.886 ms
Loss rate: 0.74%
```

Run 5: Report of QUIC Cubic — Data Link

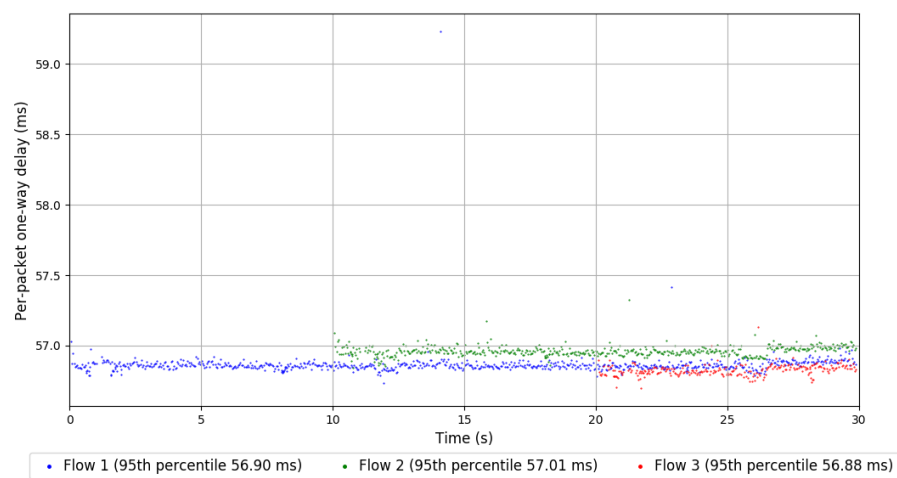
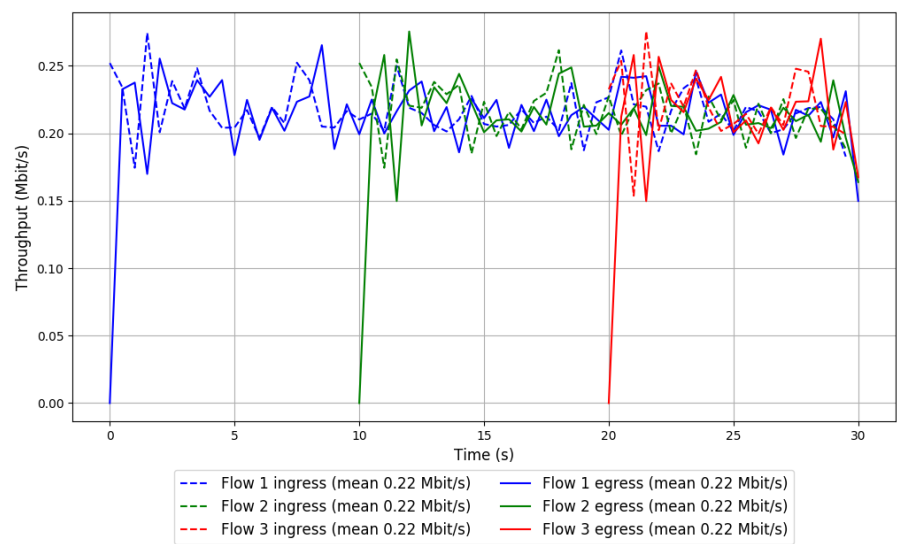


```
Run 1: Statistics of SReAM

Start at: 2019-11-25 02:58:30
End at: 2019-11-25 02:59:00
Local clock offset: -0.064 ms
Remote clock offset: 0.106 ms

# Below is generated by plot.py at 2019-11-25 09:11:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 56.991 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.902 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.011 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.875 ms
Loss rate: 1.08%
```

Run 1: Report of SCReAM — Data Link

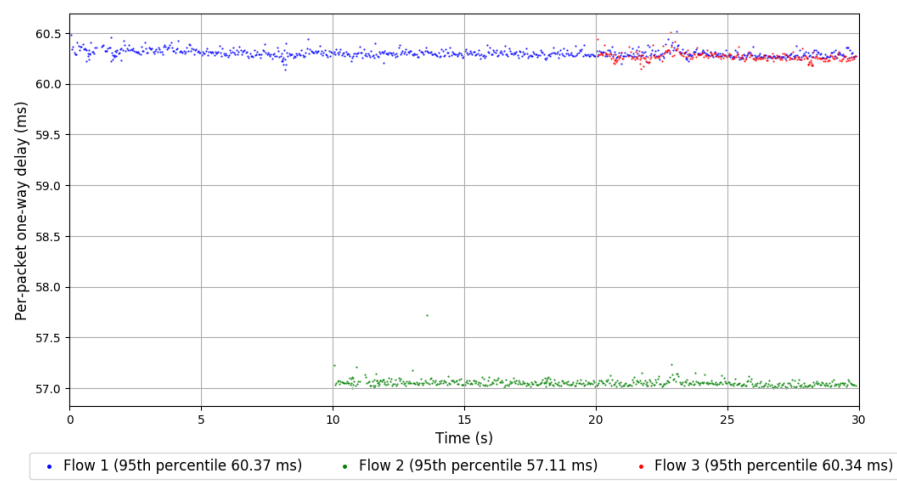
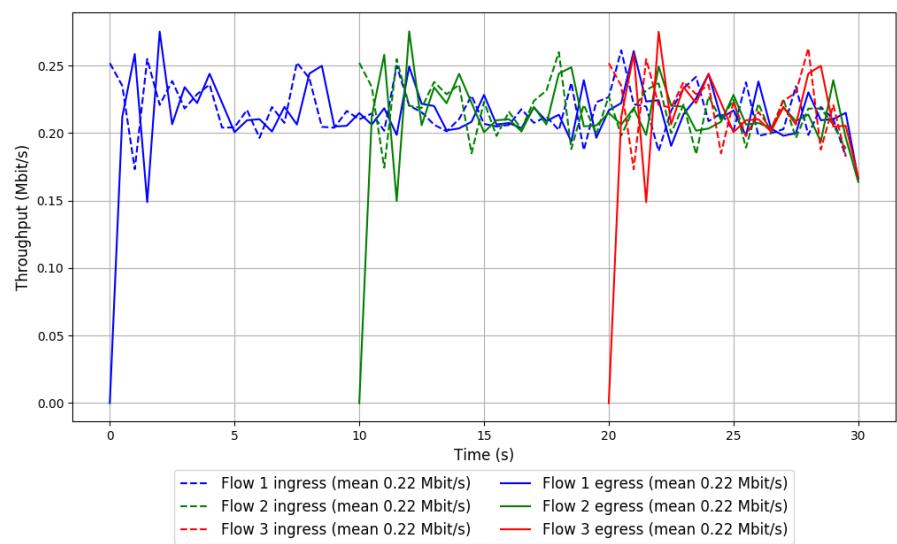


Run 2: Statistics of SReAM

Start at: 2019-11-25 03:39:22
End at: 2019-11-25 03:39:52
Local clock offset: -0.126 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2019-11-25 09:11:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 60.354 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.368 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.106 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.335 ms
Loss rate: 1.08%

Run 2: Report of SReAM — Data Link

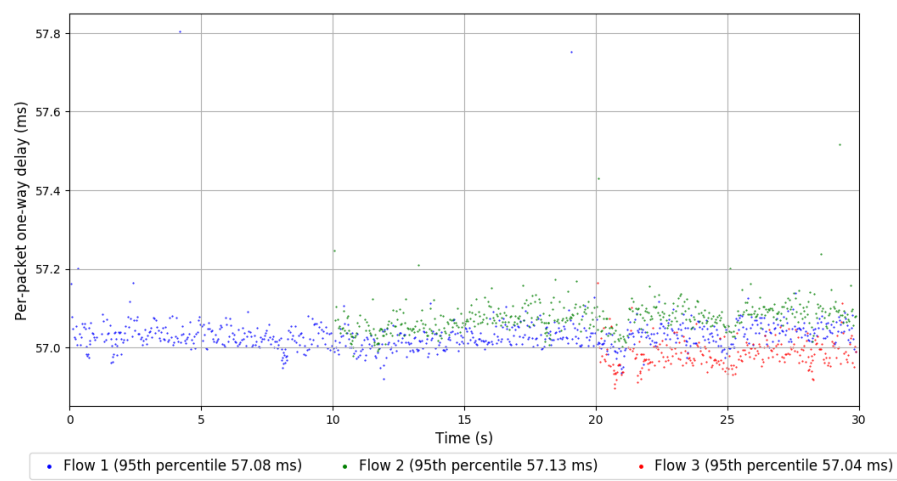
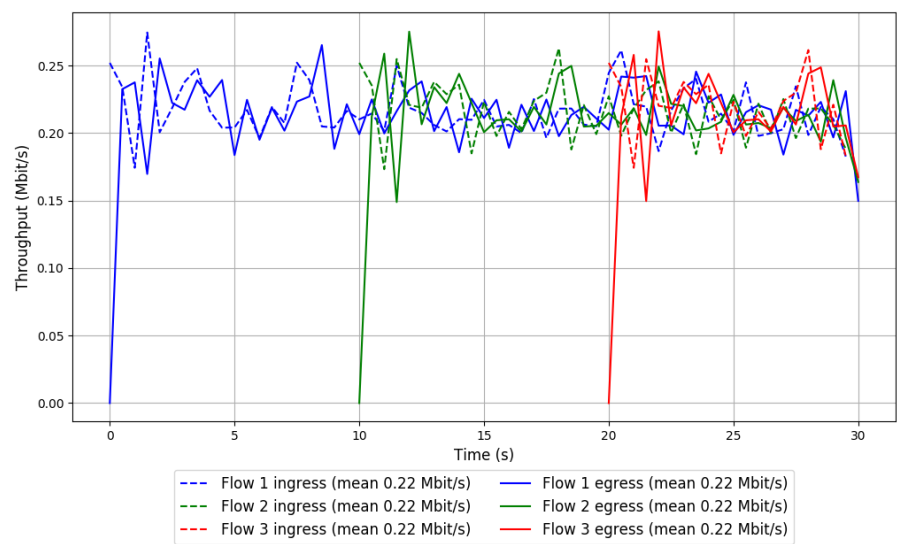


Run 3: Statistics of SReAM

Start at: 2019-11-25 04:20:10
End at: 2019-11-25 04:20:40
Local clock offset: -0.047 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2019-11-25 09:11:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 57.110 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.078 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.130 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.043 ms
Loss rate: 1.09%

Run 3: Report of SReAM — Data Link

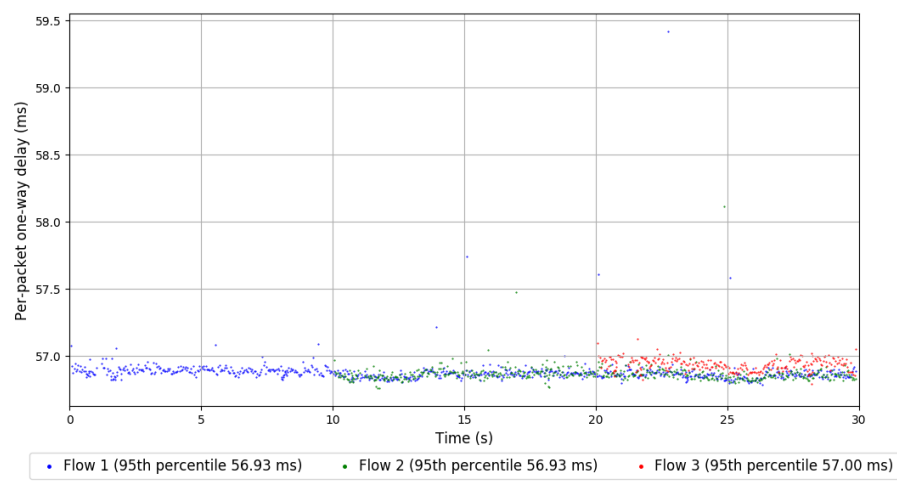
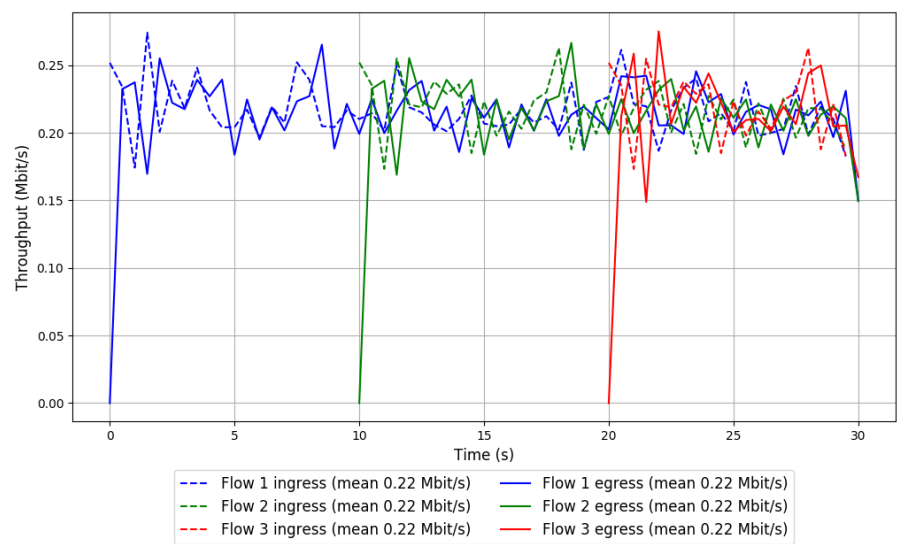


Run 4: Statistics of SReAM

Start at: 2019-11-25 05:00:47
End at: 2019-11-25 05:01:17
Local clock offset: -0.217 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-11-25 09:11:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 56.974 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.928 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.933 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.001 ms
Loss rate: 1.08%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2019-11-25 05:41:39

End at: 2019-11-25 05:42:09

Local clock offset: -0.078 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2019-11-25 09:11:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 57.162 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 56.883 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 56.986 ms

Loss rate: 0.61%

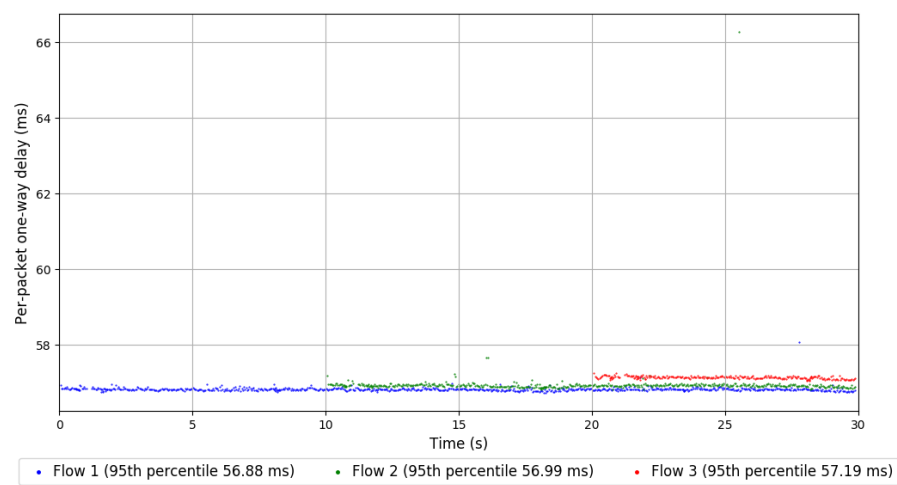
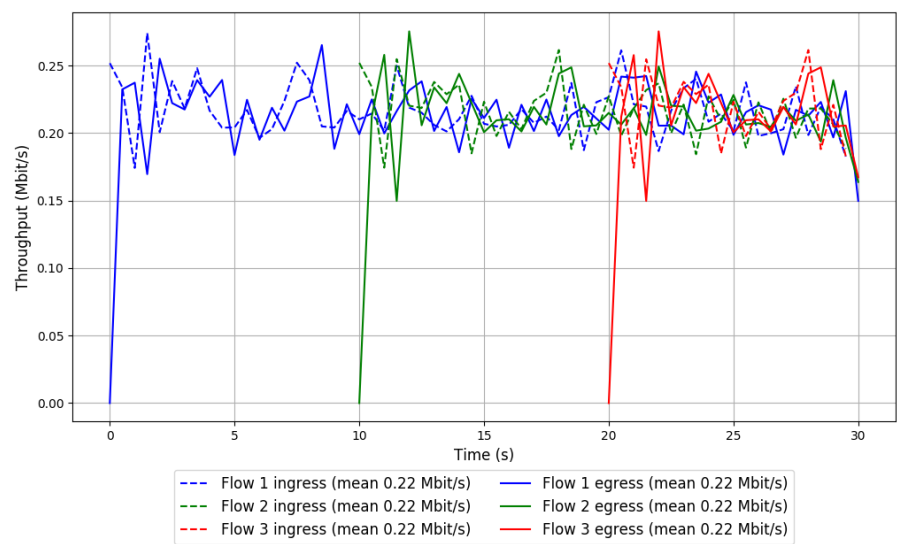
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.193 ms

Loss rate: 1.09%

Run 5: Report of SCReAM — Data Link

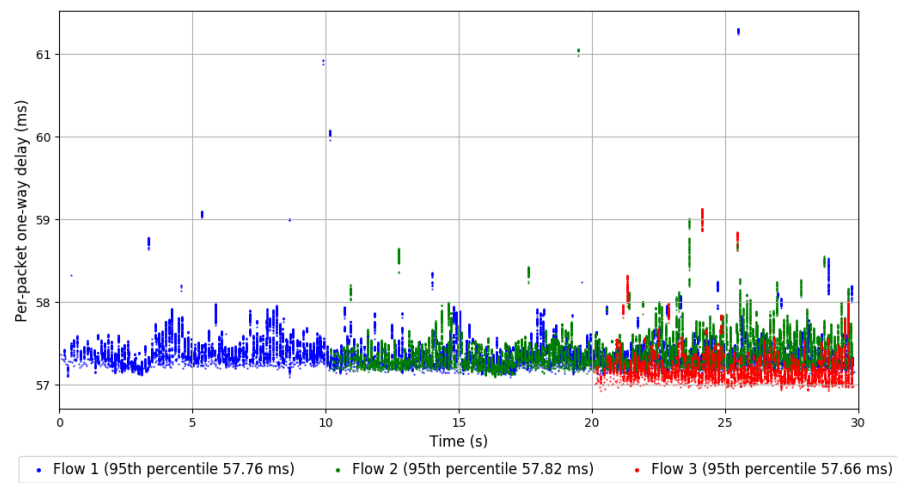
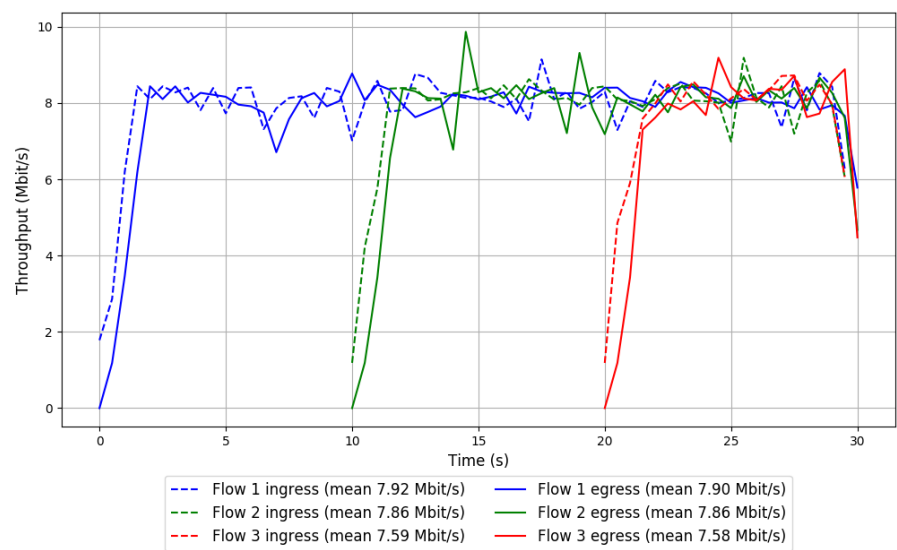


Run 1: Statistics of Sprout

Start at: 2019-11-25 03:14:38
End at: 2019-11-25 03:15:08
Local clock offset: -0.031 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2019-11-25 09:11:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 57.774 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 57.758 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 57.822 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 57.656 ms
Loss rate: 1.36%

Run 1: Report of Sprout — Data Link

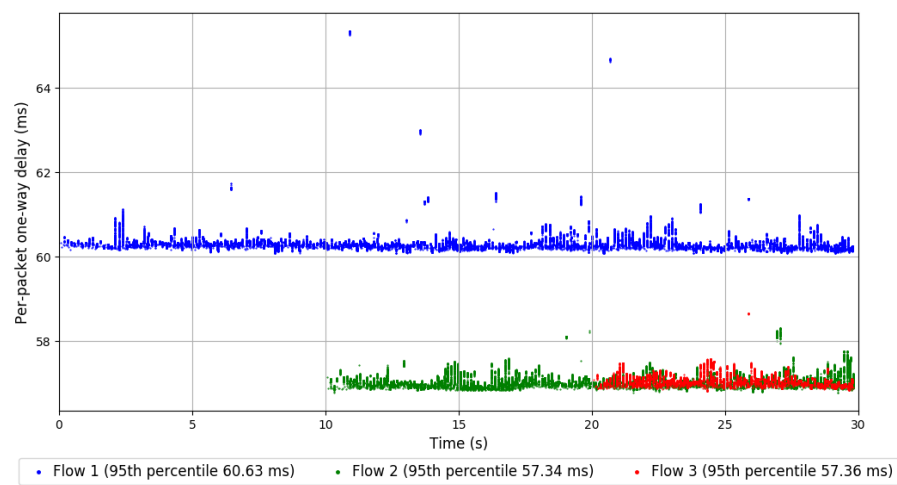
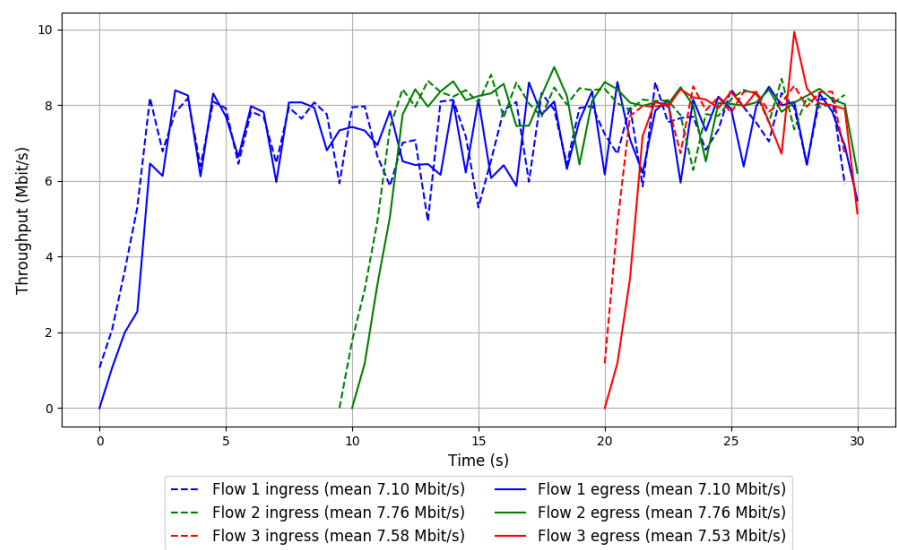


Run 2: Statistics of Sprout

Start at: 2019-11-25 03:55:28
End at: 2019-11-25 03:55:58
Local clock offset: -0.029 ms
Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-11-25 09:11:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.71 Mbit/s
95th percentile per-packet one-way delay: 60.470 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 60.628 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 57.336 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 57.358 ms
Loss rate: 1.58%

Run 2: Report of Sprout — Data Link

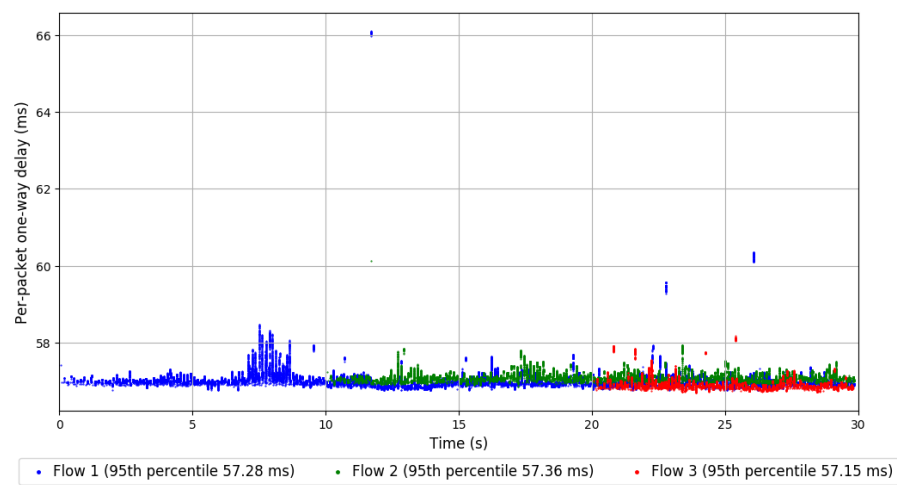
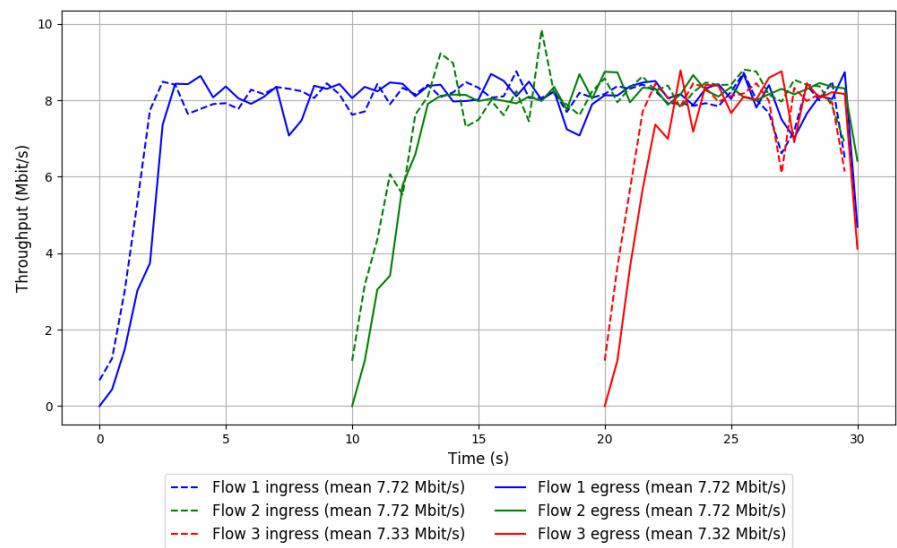


Run 3: Statistics of Sprout

Start at: 2019-11-25 04:36:09
End at: 2019-11-25 04:36:39
Local clock offset: -0.132 ms
Remote clock offset: 0.025 ms

```
# Below is generated by plot.py at 2019-11-25 09:11:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.24 Mbit/s
95th percentile per-packet one-way delay: 57.312 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 57.284 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 57.360 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 57.151 ms
Loss rate: 1.40%
```

Run 3: Report of Sprout — Data Link

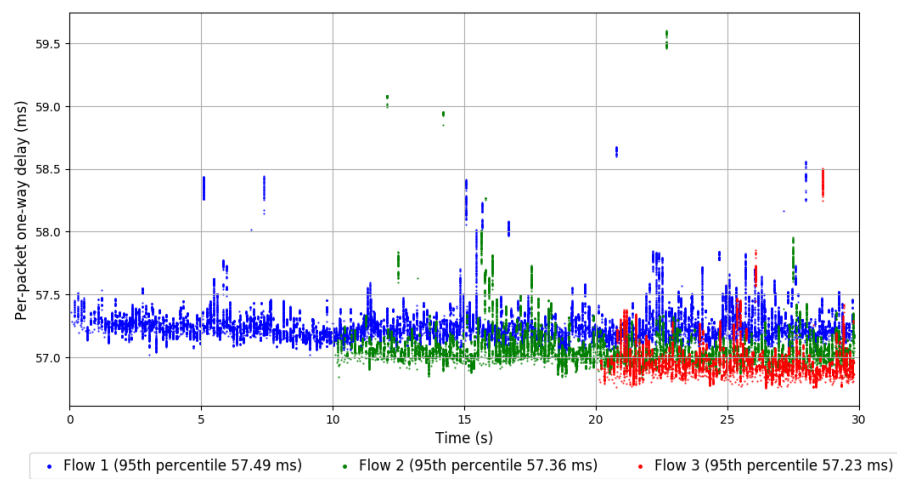
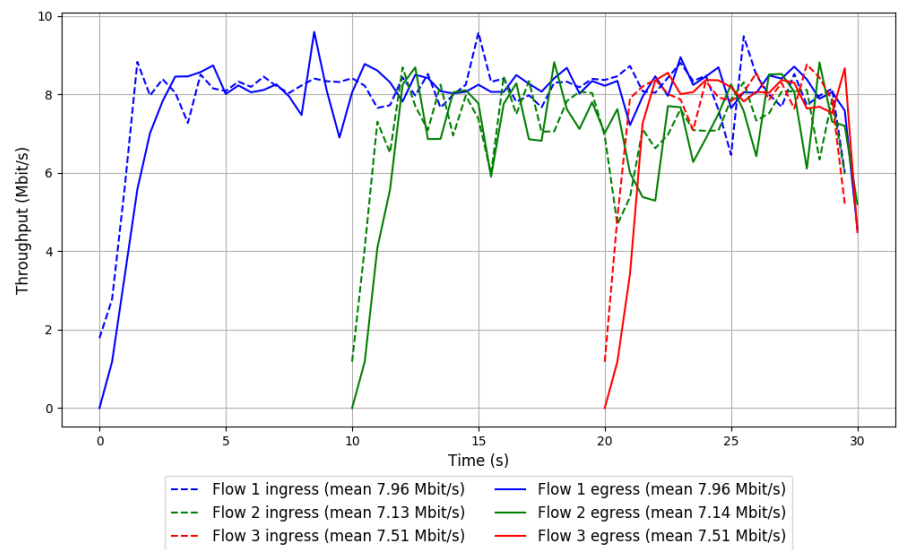


Run 4: Statistics of Sprout

Start at: 2019-11-25 05:16:52
End at: 2019-11-25 05:17:22
Local clock offset: -0.166 ms
Remote clock offset: -0.045 ms

```
# Below is generated by plot.py at 2019-11-25 09:11:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.15 Mbit/s
95th percentile per-packet one-way delay: 57.439 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 57.490 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 7.14 Mbit/s
95th percentile per-packet one-way delay: 57.357 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 57.231 ms
Loss rate: 1.27%
```

Run 4: Report of Sprout — Data Link

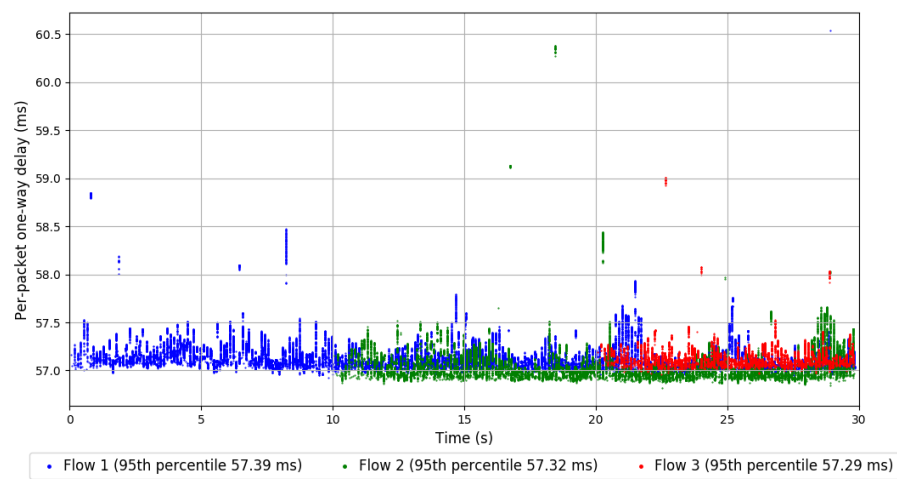
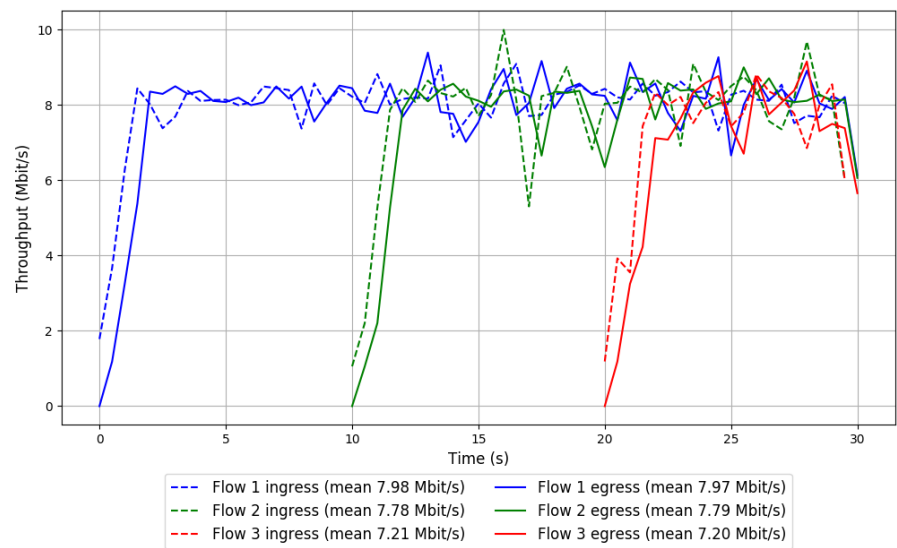


Run 5: Statistics of Sprout

Start at: 2019-11-25 05:57:51
End at: 2019-11-25 05:58:21
Local clock offset: -0.015 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2019-11-25 09:11:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.49 Mbit/s
95th percentile per-packet one-way delay: 57.358 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 57.391 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 57.320 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 57.287 ms
Loss rate: 1.42%

Run 5: Report of Sprout — Data Link

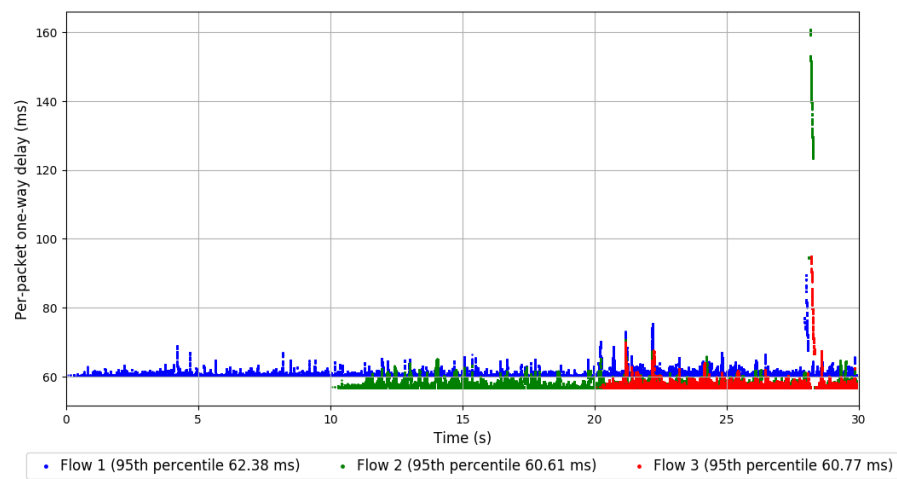
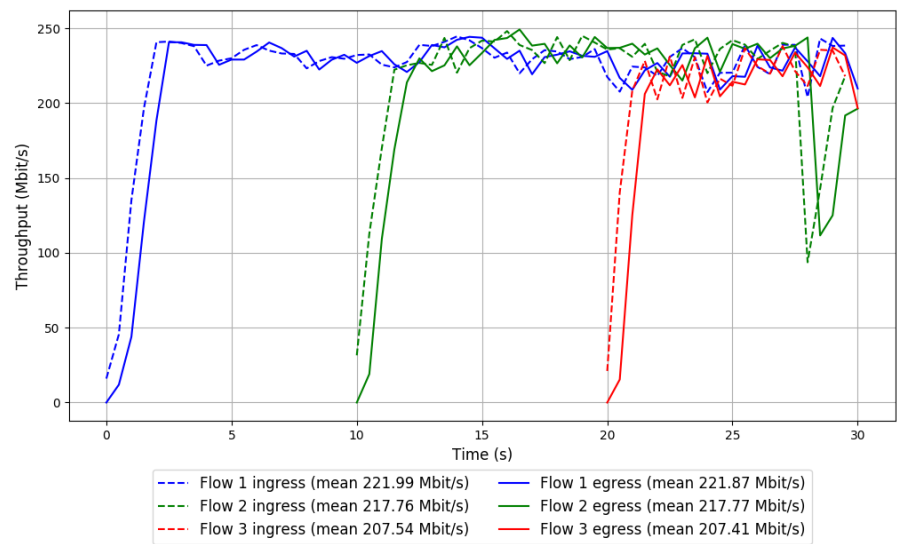


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-11-25 03:32:10
End at: 2019-11-25 03:32:40
Local clock offset: -0.062 ms
Remote clock offset: -0.173 ms

# Below is generated by plot.py at 2019-11-25 09:16:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 435.13 Mbit/s
95th percentile per-packet one-way delay: 61.796 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 221.87 Mbit/s
95th percentile per-packet one-way delay: 62.384 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 217.77 Mbit/s
95th percentile per-packet one-way delay: 60.606 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 207.41 Mbit/s
95th percentile per-packet one-way delay: 60.774 ms
Loss rate: 1.22%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-11-25 04:12:58

End at: 2019-11-25 04:13:28

Local clock offset: -0.073 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2019-11-25 09:16:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 446.23 Mbit/s

95th percentile per-packet one-way delay: 60.143 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 228.82 Mbit/s

95th percentile per-packet one-way delay: 59.816 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 221.42 Mbit/s

95th percentile per-packet one-way delay: 60.748 ms

Loss rate: 0.50%

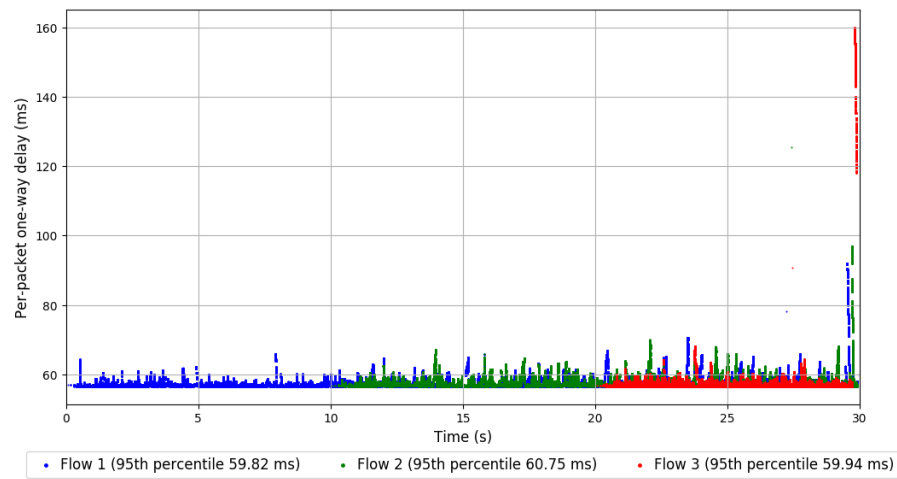
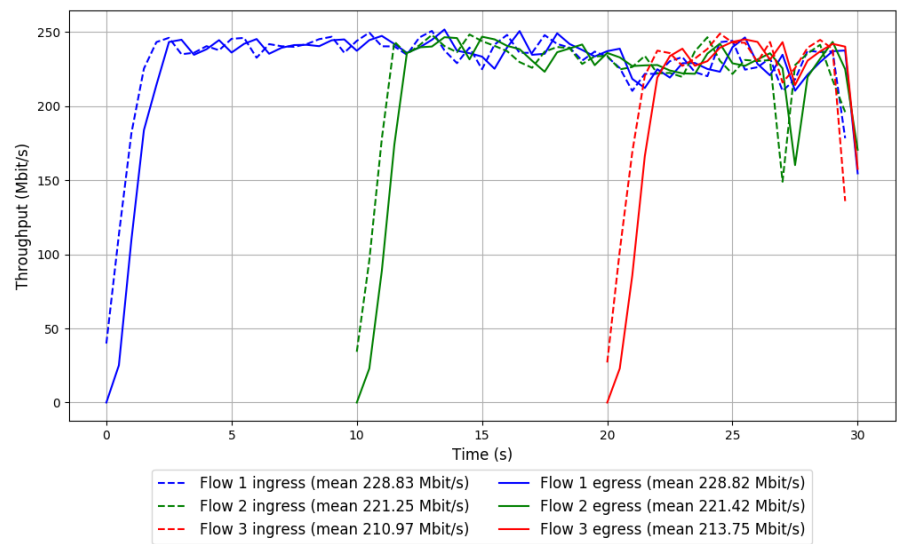
-- Flow 3:

Average throughput: 213.75 Mbit/s

95th percentile per-packet one-way delay: 59.939 ms

Loss rate: 0.15%

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

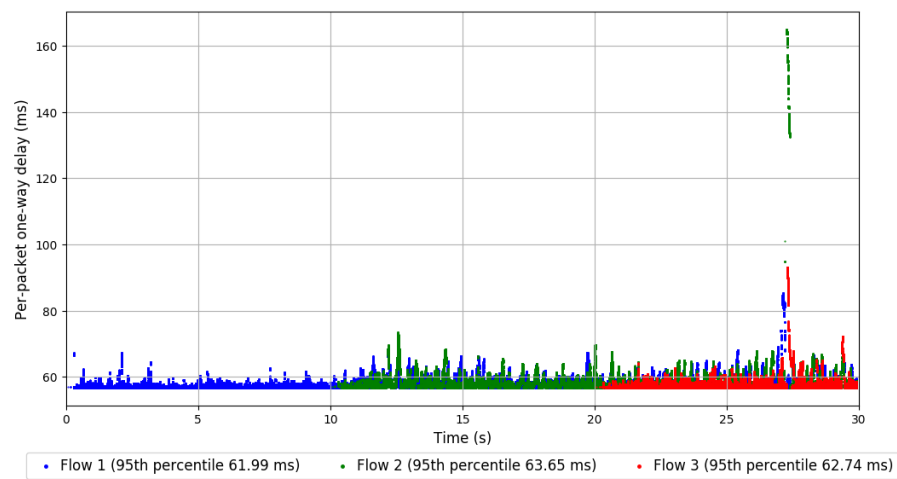
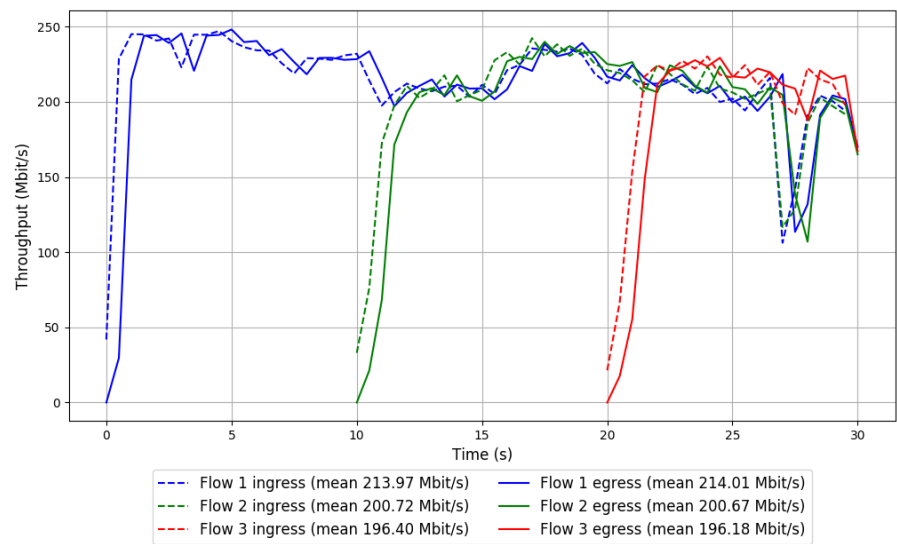


Run 3: Statistics of TaoVA-100x

Start at: 2019-11-25 04:53:40
End at: 2019-11-25 04:54:10
Local clock offset: -0.225 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2019-11-25 09:16:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 412.09 Mbit/s
95th percentile per-packet one-way delay: 62.648 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 214.01 Mbit/s
95th percentile per-packet one-way delay: 61.986 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 200.67 Mbit/s
95th percentile per-packet one-way delay: 63.648 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 196.18 Mbit/s
95th percentile per-packet one-way delay: 62.741 ms
Loss rate: 1.27%

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

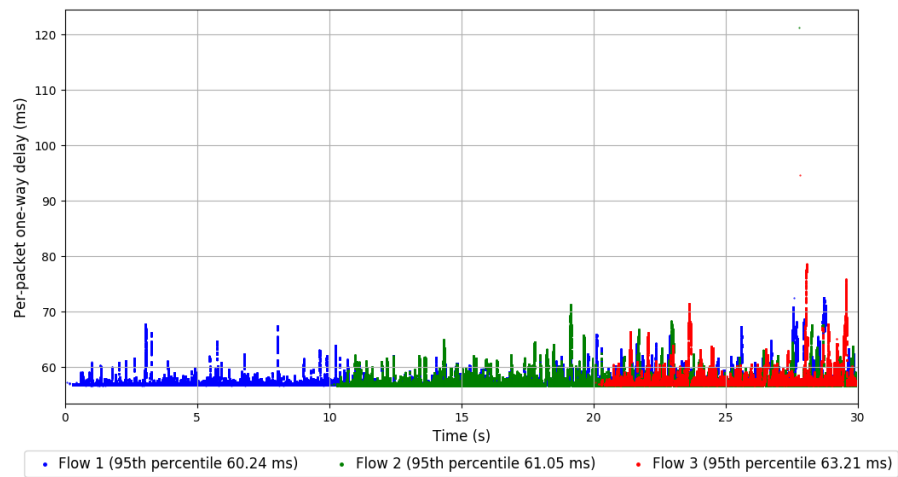
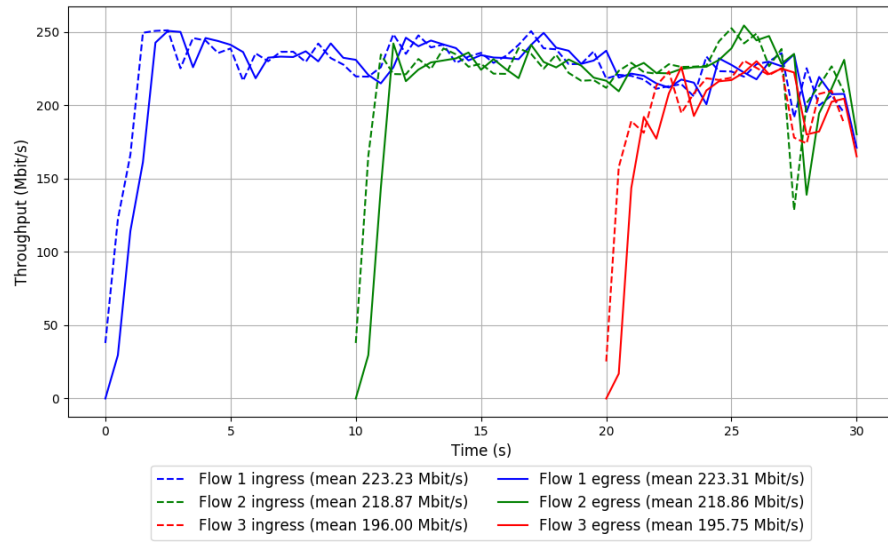


Run 4: Statistics of TaoVA-100x

Start at: 2019-11-25 05:34:23
End at: 2019-11-25 05:34:53
Local clock offset: -0.148 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2019-11-25 09:16:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 433.37 Mbit/s
95th percentile per-packet one-way delay: 60.947 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 223.31 Mbit/s
95th percentile per-packet one-way delay: 60.237 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 218.86 Mbit/s
95th percentile per-packet one-way delay: 61.049 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 195.75 Mbit/s
95th percentile per-packet one-way delay: 63.209 ms
Loss rate: 1.29%

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

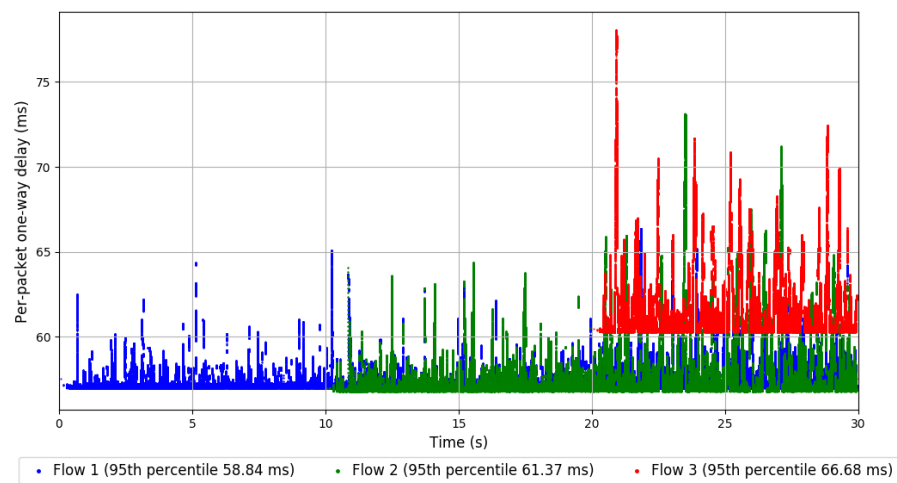
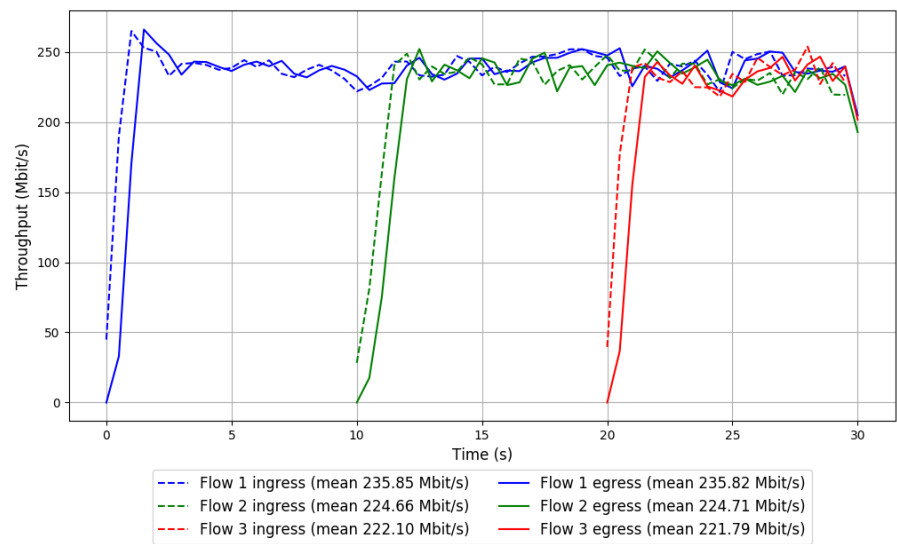


Run 5: Statistics of TaoVA-100x

Start at: 2019-11-25 06:15:20
End at: 2019-11-25 06:15:50
Local clock offset: -0.083 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2019-11-25 09:17:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 458.42 Mbit/s
95th percentile per-packet one-way delay: 62.243 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 235.82 Mbit/s
95th percentile per-packet one-way delay: 58.837 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 224.71 Mbit/s
95th percentile per-packet one-way delay: 61.373 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 221.79 Mbit/s
95th percentile per-packet one-way delay: 66.678 ms
Loss rate: 1.33%

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

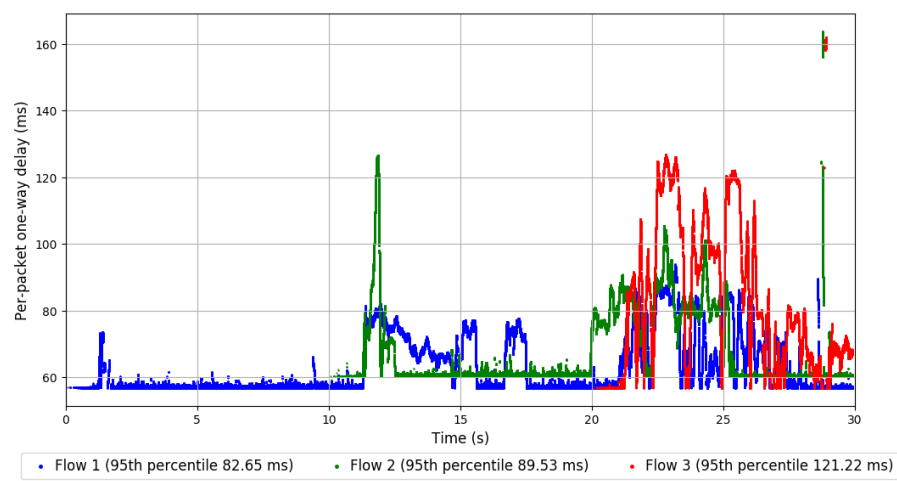
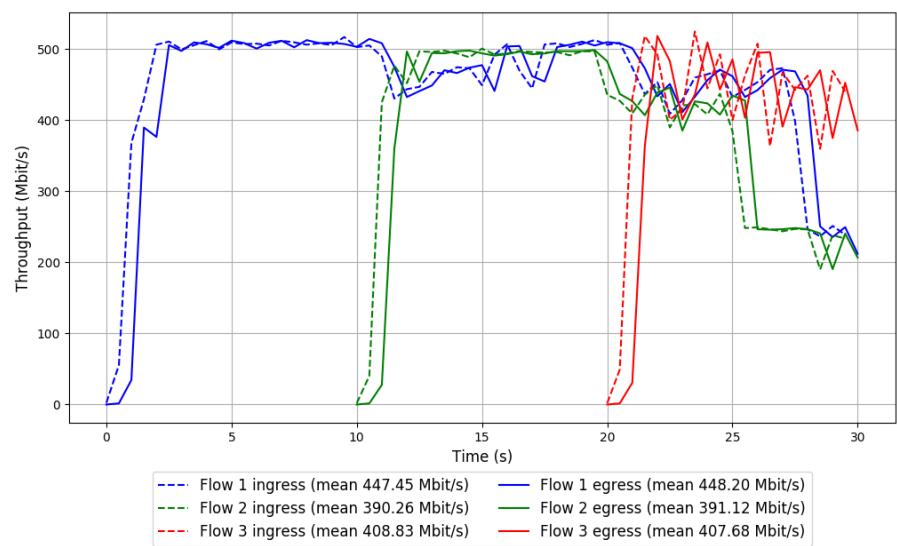


Run 1: Statistics of TCP Vegas

Start at: 2019-11-25 03:07:01
End at: 2019-11-25 03:07:31
Local clock offset: -0.063 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2019-11-25 09:18:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 842.64 Mbit/s
95th percentile per-packet one-way delay: 98.366 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 448.20 Mbit/s
95th percentile per-packet one-way delay: 82.650 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 391.12 Mbit/s
95th percentile per-packet one-way delay: 89.533 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 407.68 Mbit/s
95th percentile per-packet one-way delay: 121.225 ms
Loss rate: 1.43%

Run 1: Report of TCP Vegas — Data Link

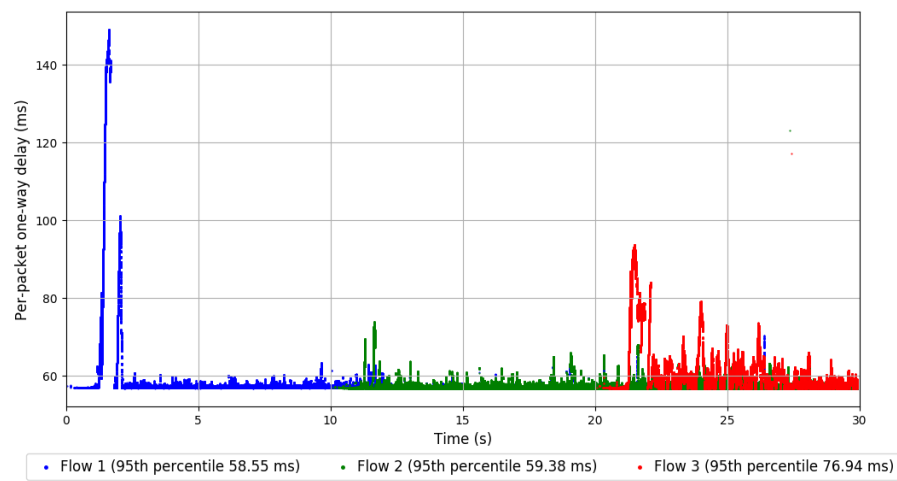
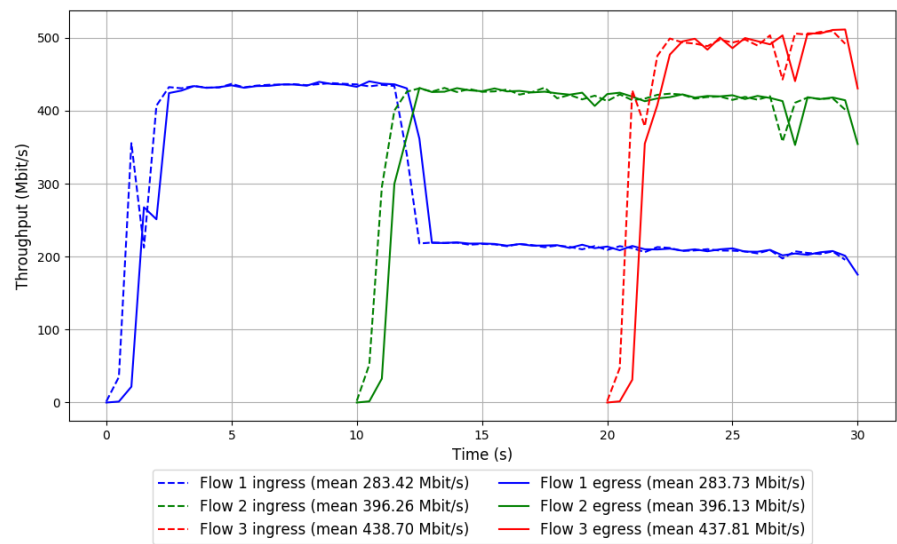


Run 2: Statistics of TCP Vegas

Start at: 2019-11-25 03:47:55
End at: 2019-11-25 03:48:25
Local clock offset: -0.128 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2019-11-25 09:25:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 691.56 Mbit/s
95th percentile per-packet one-way delay: 63.737 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 283.73 Mbit/s
95th percentile per-packet one-way delay: 58.545 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 396.13 Mbit/s
95th percentile per-packet one-way delay: 59.380 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 437.81 Mbit/s
95th percentile per-packet one-way delay: 76.945 ms
Loss rate: 1.34%

Run 2: Report of TCP Vegas — Data Link

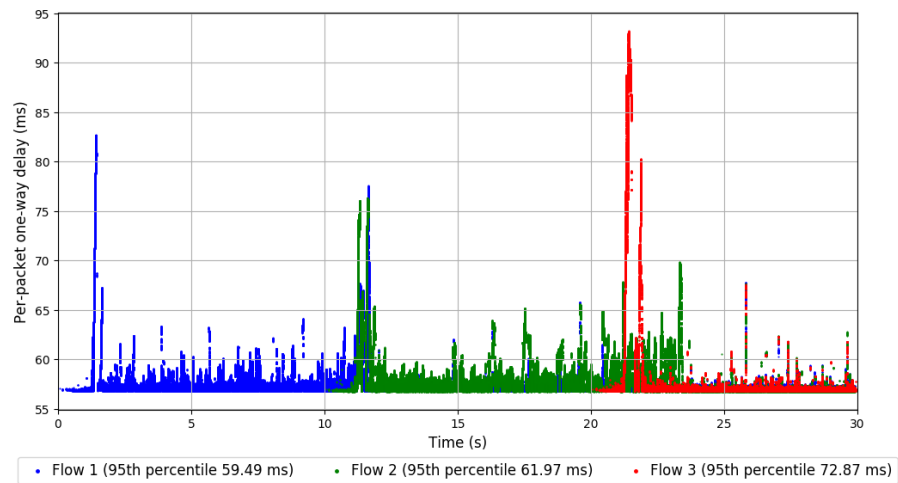
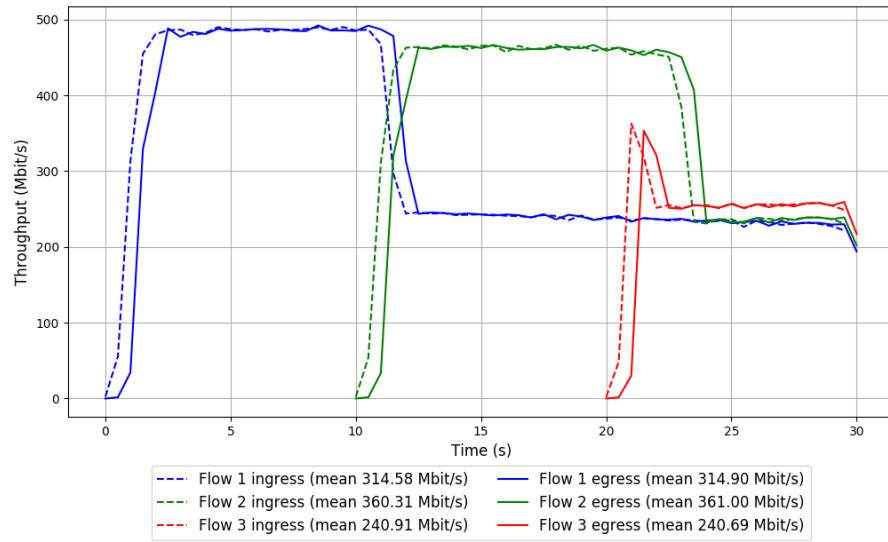


Run 3: Statistics of TCP Vegas

Start at: 2019-11-25 04:28:41
End at: 2019-11-25 04:29:11
Local clock offset: -0.071 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-11-25 09:25:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 634.35 Mbit/s
95th percentile per-packet one-way delay: 61.347 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 314.90 Mbit/s
95th percentile per-packet one-way delay: 59.489 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 361.00 Mbit/s
95th percentile per-packet one-way delay: 61.971 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 240.69 Mbit/s
95th percentile per-packet one-way delay: 72.873 ms
Loss rate: 1.23%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-11-25 05:09:16

End at: 2019-11-25 05:09:46

Local clock offset: -0.147 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2019-11-25 09:29:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 699.59 Mbit/s

95th percentile per-packet one-way delay: 89.740 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 336.83 Mbit/s

95th percentile per-packet one-way delay: 73.504 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 328.53 Mbit/s

95th percentile per-packet one-way delay: 95.594 ms

Loss rate: 0.42%

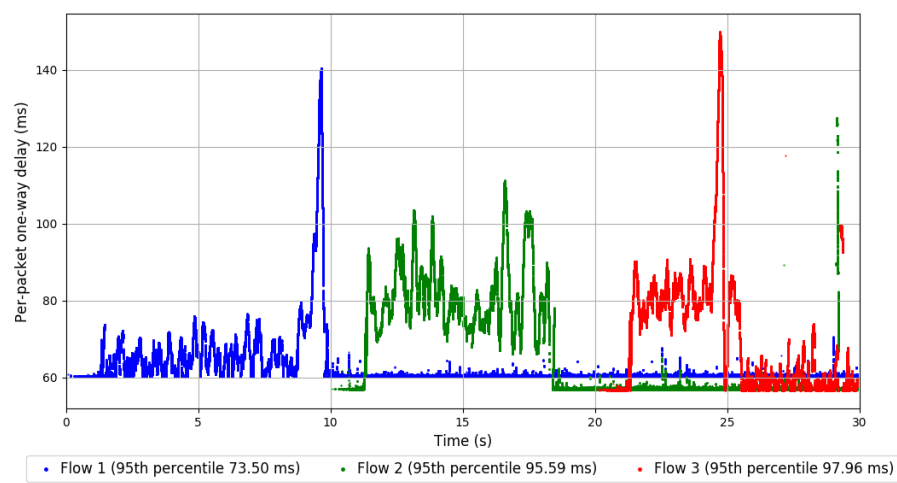
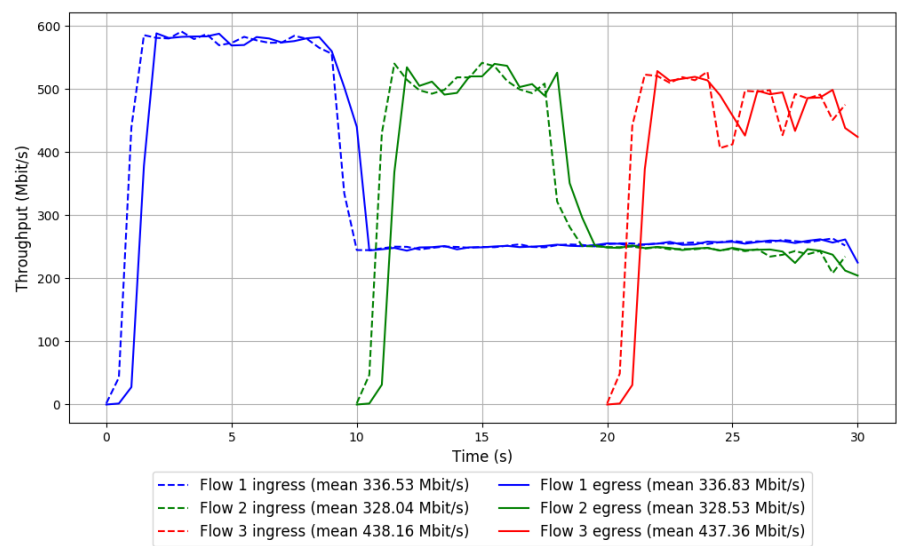
-- Flow 3:

Average throughput: 437.36 Mbit/s

95th percentile per-packet one-way delay: 97.957 ms

Loss rate: 1.32%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-11-25 05:50:09

End at: 2019-11-25 05:50:39

Local clock offset: -0.116 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2019-11-25 09:29:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 659.87 Mbit/s

95th percentile per-packet one-way delay: 84.962 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 353.18 Mbit/s

95th percentile per-packet one-way delay: 62.026 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 267.79 Mbit/s

95th percentile per-packet one-way delay: 66.020 ms

Loss rate: 0.51%

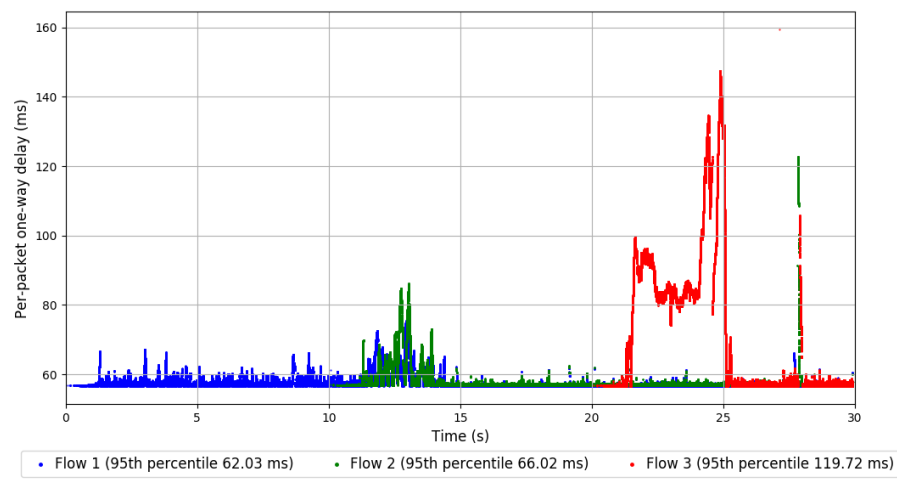
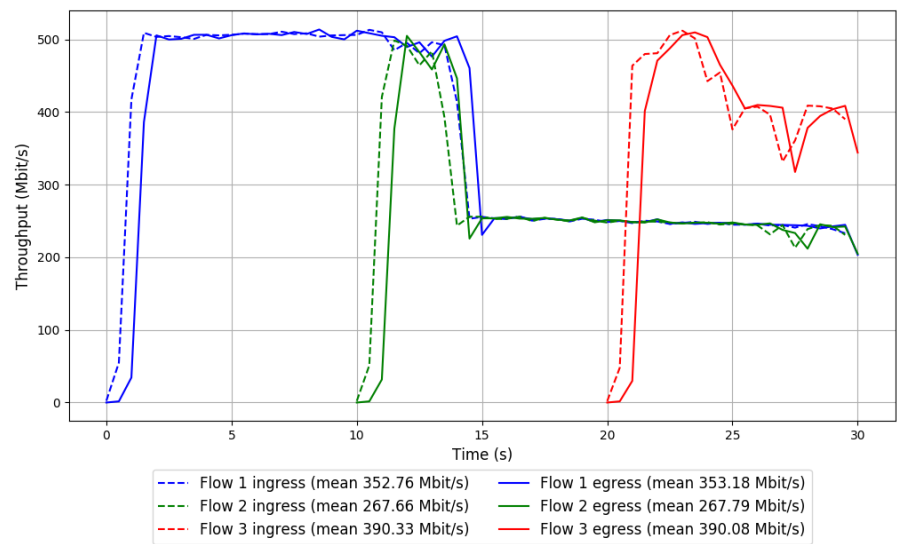
-- Flow 3:

Average throughput: 390.08 Mbit/s

95th percentile per-packet one-way delay: 119.715 ms

Loss rate: 1.20%

Run 5: Report of TCP Vegas — Data Link

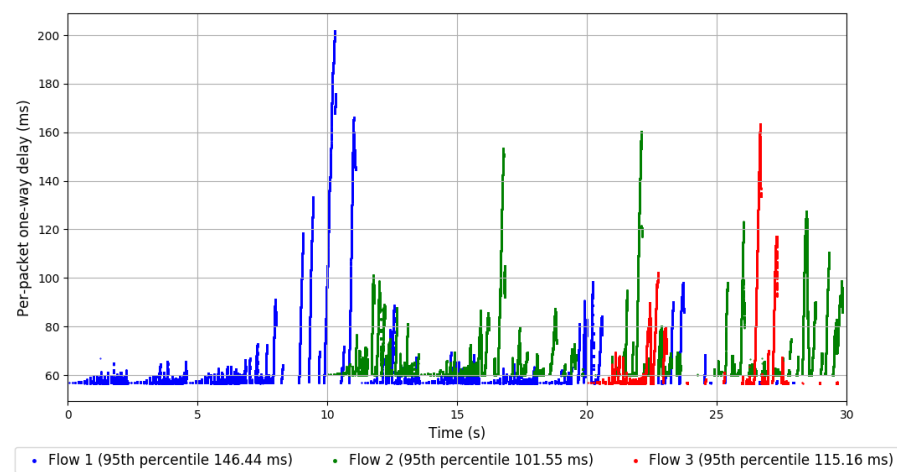
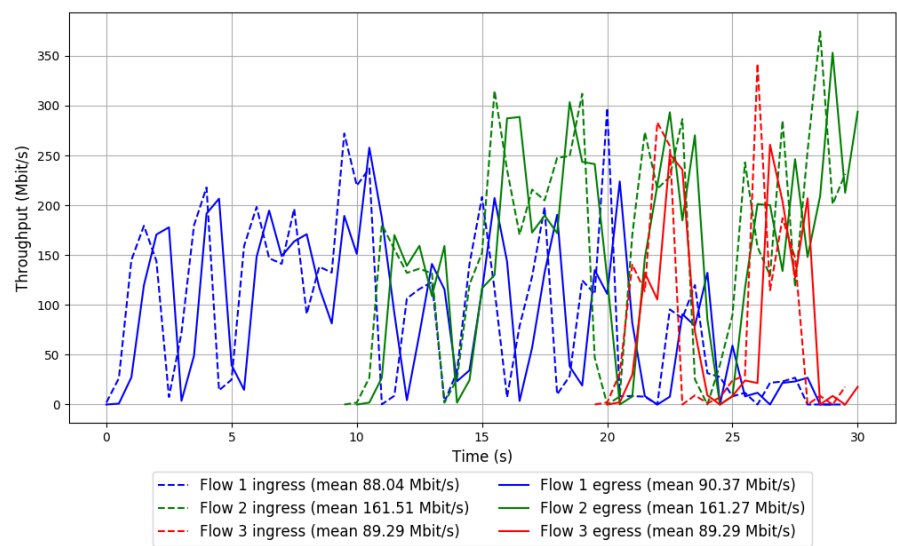


Run 1: Statistics of Verus

Start at: 2019-11-25 03:35:53
End at: 2019-11-25 03:36:23
Local clock offset: -0.065 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2019-11-25 09:29:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 223.89 Mbit/s
95th percentile per-packet one-way delay: 118.265 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 90.37 Mbit/s
95th percentile per-packet one-way delay: 146.445 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 161.27 Mbit/s
95th percentile per-packet one-way delay: 101.552 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: 115.161 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-11-25 04:16:46

End at: 2019-11-25 04:17:16

Local clock offset: -0.03 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2019-11-25 09:29:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 124.21 Mbit/s

95th percentile per-packet one-way delay: 83.596 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 26.18 Mbit/s

95th percentile per-packet one-way delay: 132.931 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 96.45 Mbit/s

95th percentile per-packet one-way delay: 76.248 ms

Loss rate: 0.00%

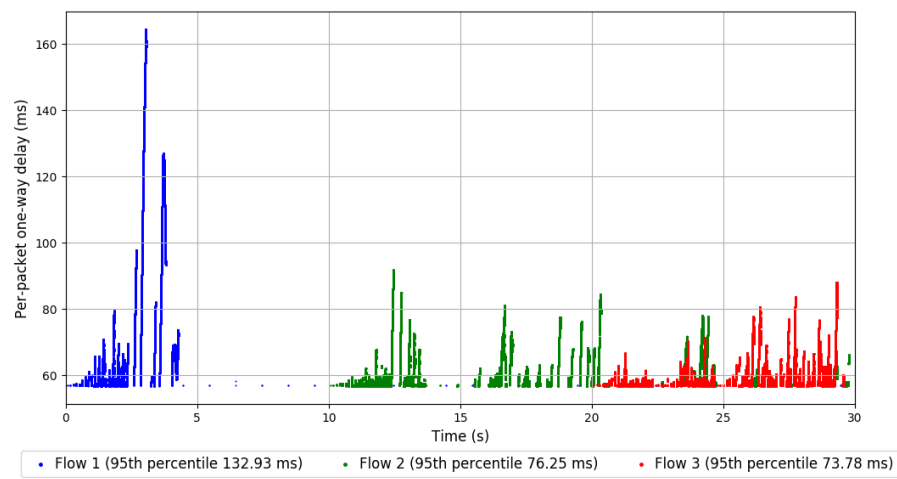
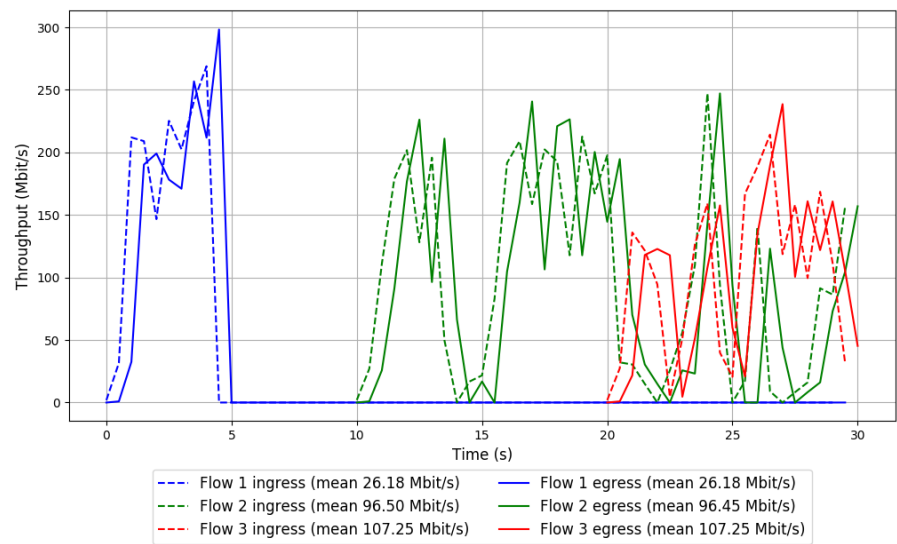
-- Flow 3:

Average throughput: 107.25 Mbit/s

95th percentile per-packet one-way delay: 73.781 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link

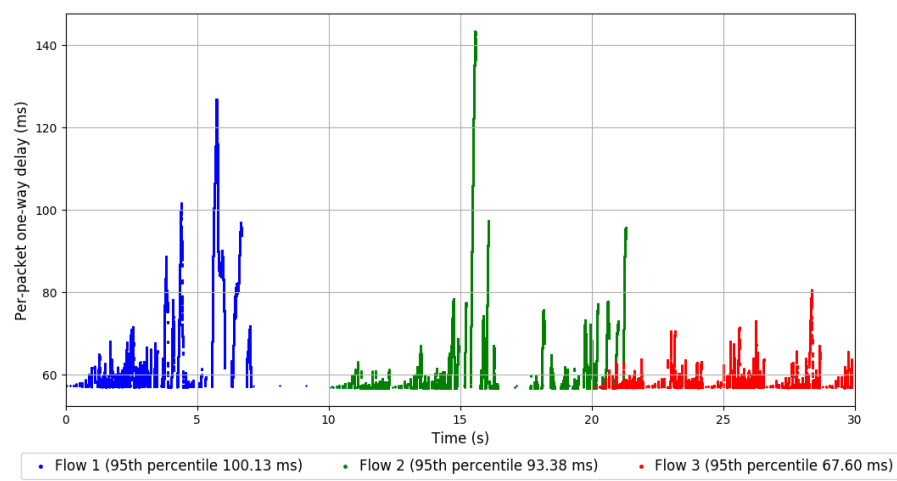
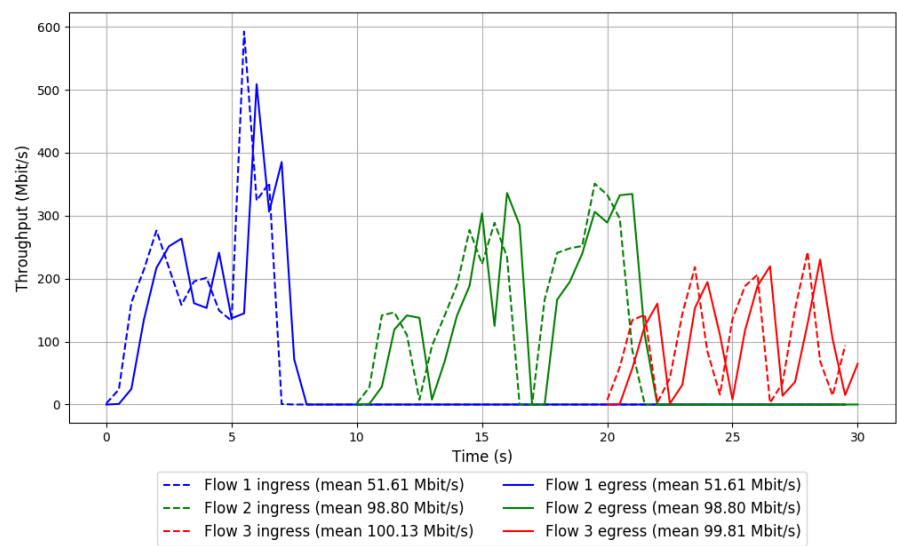


Run 3: Statistics of Verus

Start at: 2019-11-25 04:57:23
End at: 2019-11-25 04:57:53
Local clock offset: -0.231 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2019-11-25 09:29:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 147.79 Mbit/s
95th percentile per-packet one-way delay: 94.380 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 51.61 Mbit/s
95th percentile per-packet one-way delay: 100.127 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.80 Mbit/s
95th percentile per-packet one-way delay: 93.375 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 99.81 Mbit/s
95th percentile per-packet one-way delay: 67.597 ms
Loss rate: 1.47%

Run 3: Report of Verus — Data Link

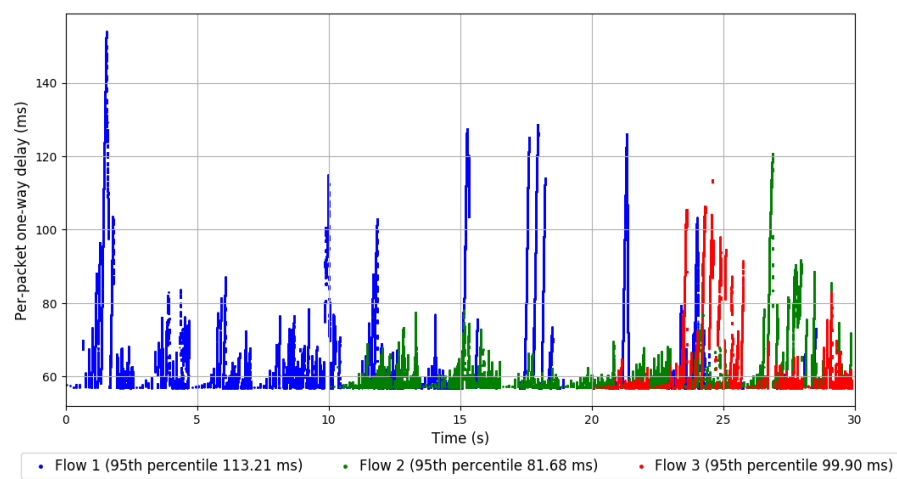
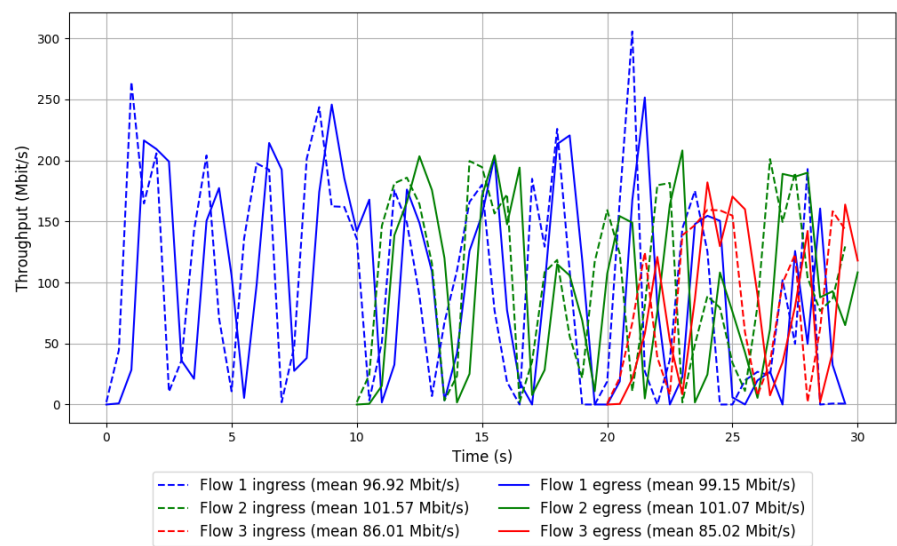


Run 4: Statistics of Verus

Start at: 2019-11-25 05:38:07
End at: 2019-11-25 05:38:37
Local clock offset: -0.123 ms
Remote clock offset: -0.11 ms

```
# Below is generated by plot.py at 2019-11-25 09:29:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 192.23 Mbit/s
95th percentile per-packet one-way delay: 101.655 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 99.15 Mbit/s
95th percentile per-packet one-way delay: 113.206 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 101.07 Mbit/s
95th percentile per-packet one-way delay: 81.677 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 99.896 ms
Loss rate: 2.29%
```

Run 4: Report of Verus — Data Link

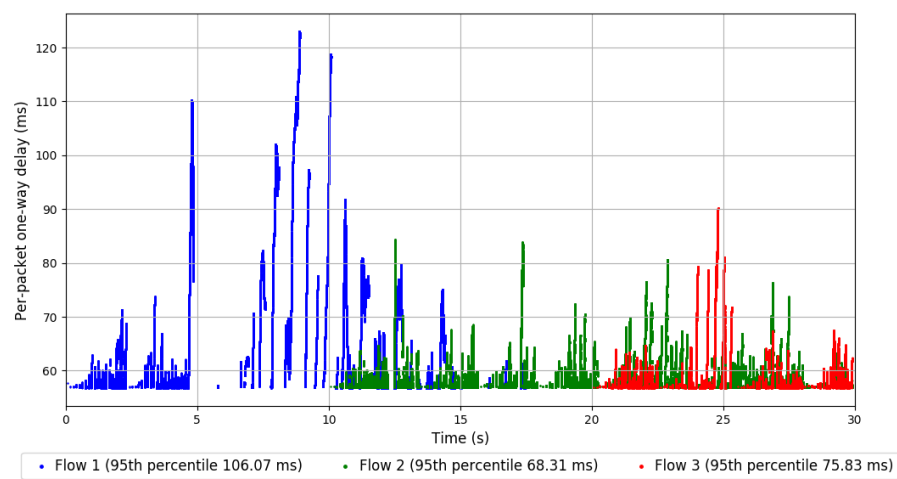
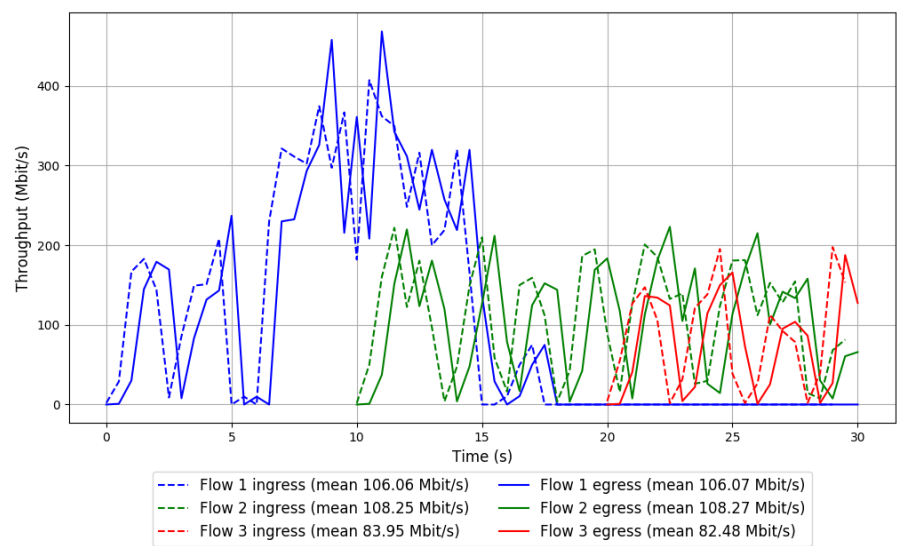


Run 5: Statistics of Verus

Start at: 2019-11-25 06:19:09
End at: 2019-11-25 06:19:39
Local clock offset: -0.061 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2019-11-25 09:29:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 203.77 Mbit/s
95th percentile per-packet one-way delay: 96.671 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 106.07 Mbit/s
95th percentile per-packet one-way delay: 106.072 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 108.27 Mbit/s
95th percentile per-packet one-way delay: 68.306 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 82.48 Mbit/s
95th percentile per-packet one-way delay: 75.828 ms
Loss rate: 2.88%

Run 5: Report of Verus — Data Link

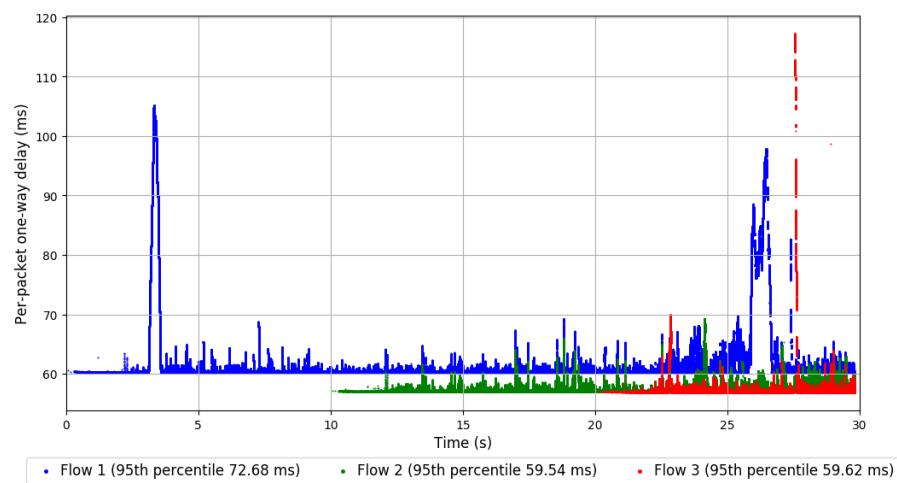
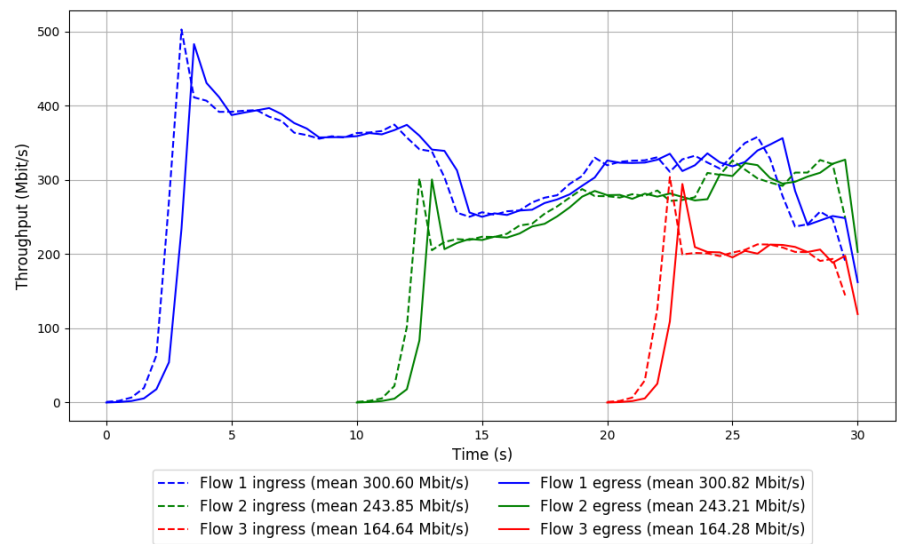


Run 1: Statistics of PCC-Vivace

Start at: 2019-11-25 03:05:13
End at: 2019-11-25 03:05:43
Local clock offset: -0.077 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2019-11-25 09:32:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 516.05 Mbit/s
95th percentile per-packet one-way delay: 64.315 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 300.82 Mbit/s
95th percentile per-packet one-way delay: 72.677 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 243.21 Mbit/s
95th percentile per-packet one-way delay: 59.538 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 164.28 Mbit/s
95th percentile per-packet one-way delay: 59.625 ms
Loss rate: 1.37%

Run 1: Report of PCC-Vivace — Data Link

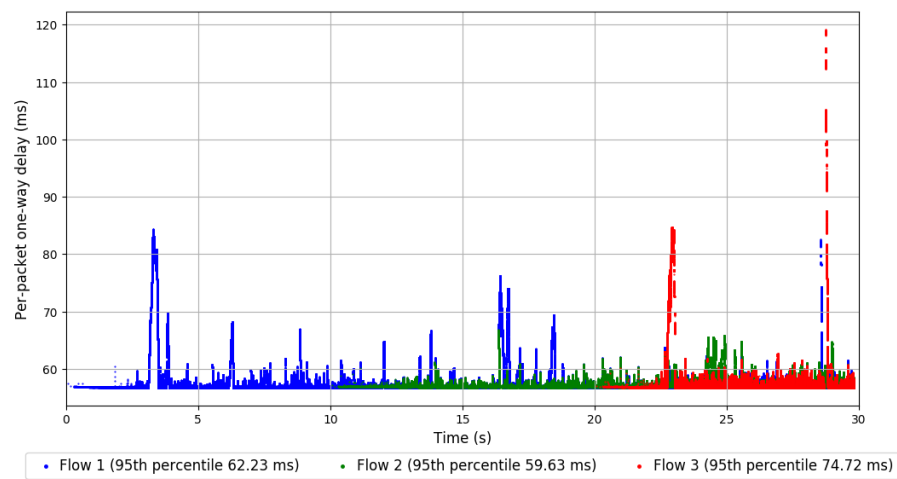
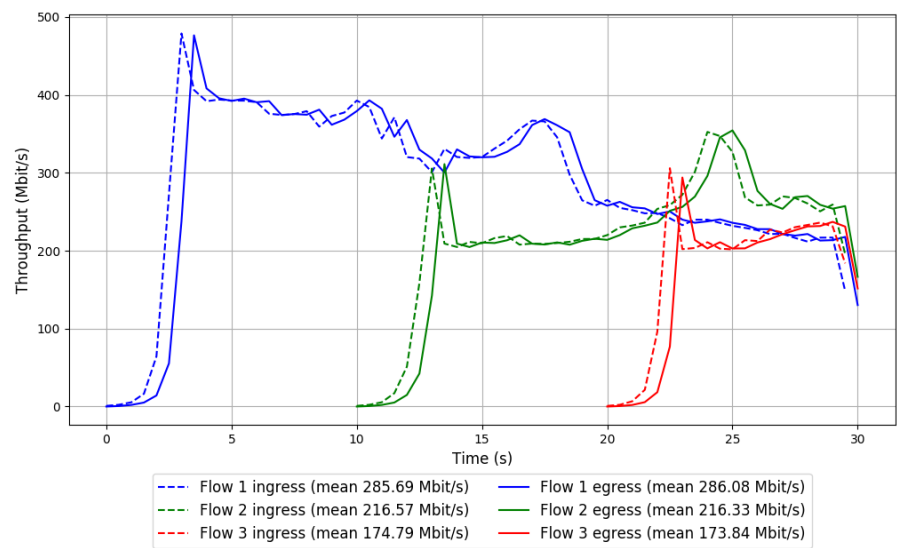


Run 2: Statistics of PCC-Vivace

Start at: 2019-11-25 03:46:10
End at: 2019-11-25 03:46:40
Local clock offset: -0.13 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2019-11-25 09:32:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 486.59 Mbit/s
95th percentile per-packet one-way delay: 61.266 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 286.08 Mbit/s
95th percentile per-packet one-way delay: 62.232 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 216.33 Mbit/s
95th percentile per-packet one-way delay: 59.630 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 173.84 Mbit/s
95th percentile per-packet one-way delay: 74.717 ms
Loss rate: 1.70%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-11-25 04:26:53

End at: 2019-11-25 04:27:23

Local clock offset: -0.023 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2019-11-25 09:32:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 507.16 Mbit/s

95th percentile per-packet one-way delay: 62.328 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 309.43 Mbit/s

95th percentile per-packet one-way delay: 72.607 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 221.22 Mbit/s

95th percentile per-packet one-way delay: 58.310 ms

Loss rate: 0.50%

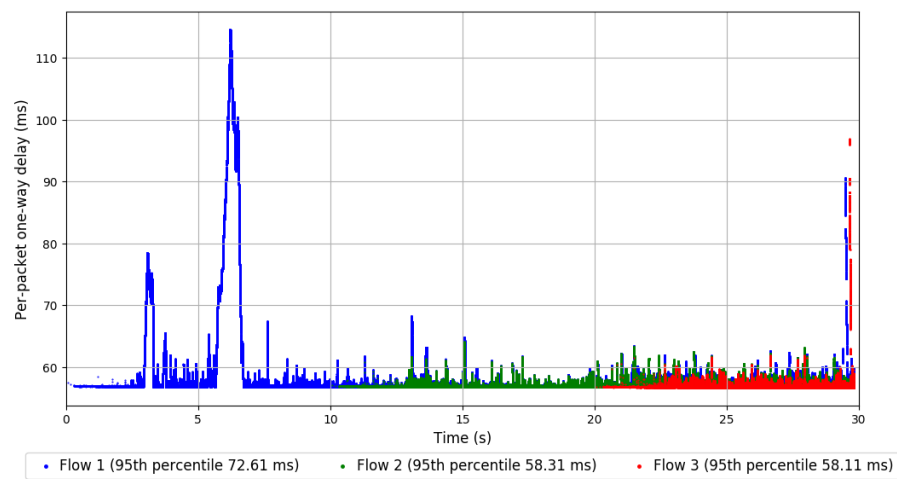
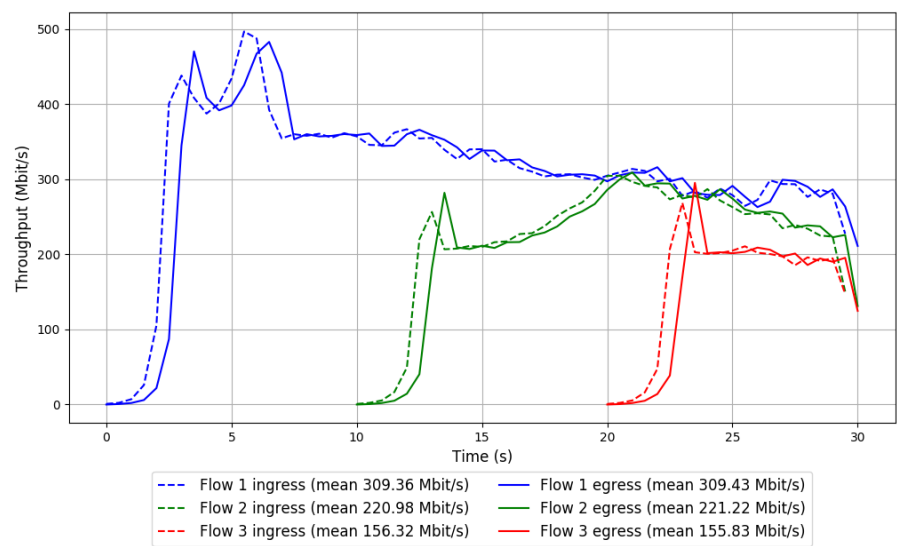
-- Flow 3:

Average throughput: 155.83 Mbit/s

95th percentile per-packet one-way delay: 58.109 ms

Loss rate: 1.46%

Run 3: Report of PCC-Vivace — Data Link

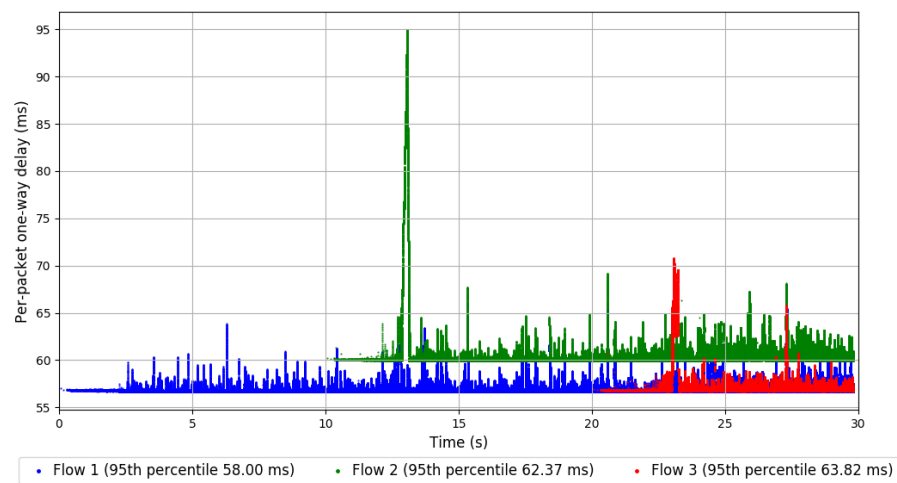
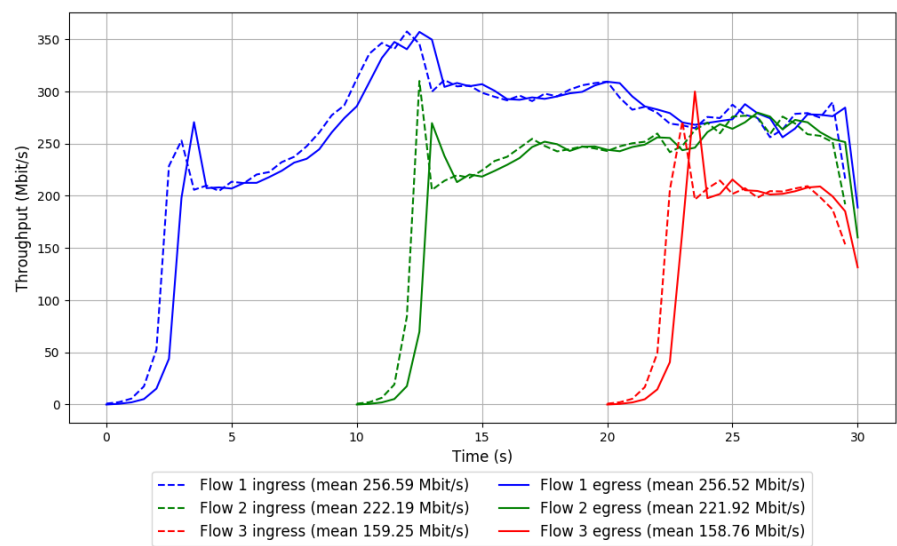


Run 4: Statistics of PCC-Vivace

Start at: 2019-11-25 05:07:31
End at: 2019-11-25 05:08:01
Local clock offset: -0.194 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2019-11-25 09:32:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 455.81 Mbit/s
95th percentile per-packet one-way delay: 60.982 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 256.52 Mbit/s
95th percentile per-packet one-way delay: 57.999 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 221.92 Mbit/s
95th percentile per-packet one-way delay: 62.366 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 158.76 Mbit/s
95th percentile per-packet one-way delay: 63.817 ms
Loss rate: 1.47%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-11-25 05:48:20

End at: 2019-11-25 05:48:50

Local clock offset: 0.295 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2019-11-25 09:32:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 512.84 Mbit/s

95th percentile per-packet one-way delay: 113.469 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 296.06 Mbit/s

95th percentile per-packet one-way delay: 66.096 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 233.23 Mbit/s

95th percentile per-packet one-way delay: 152.850 ms

Loss rate: 0.65%

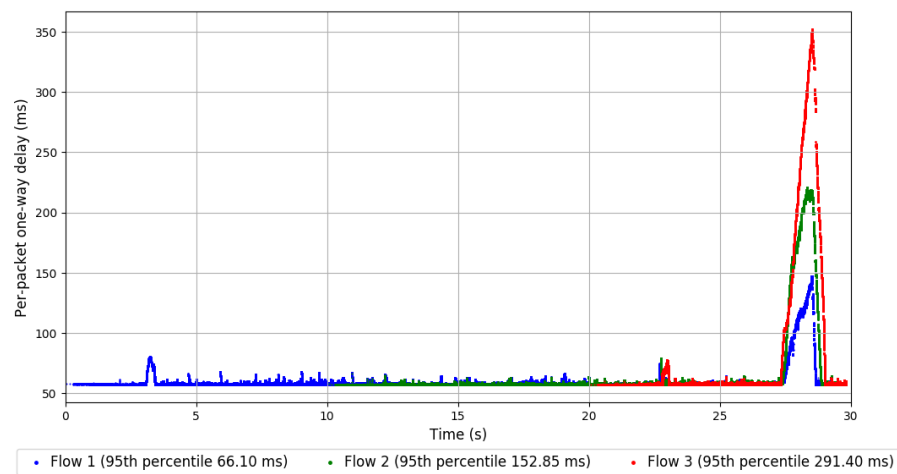
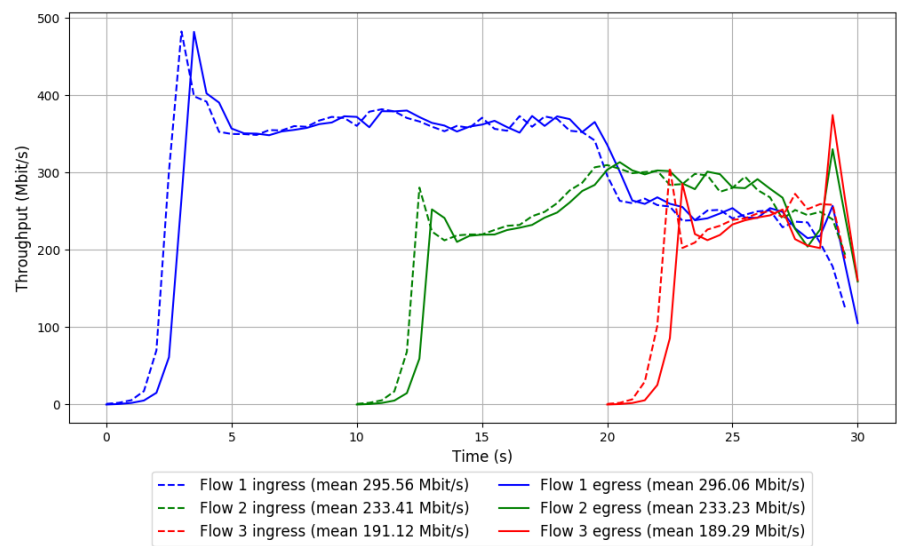
-- Flow 3:

Average throughput: 189.29 Mbit/s

95th percentile per-packet one-way delay: 291.399 ms

Loss rate: 2.11%

Run 5: Report of PCC-Vivace — Data Link

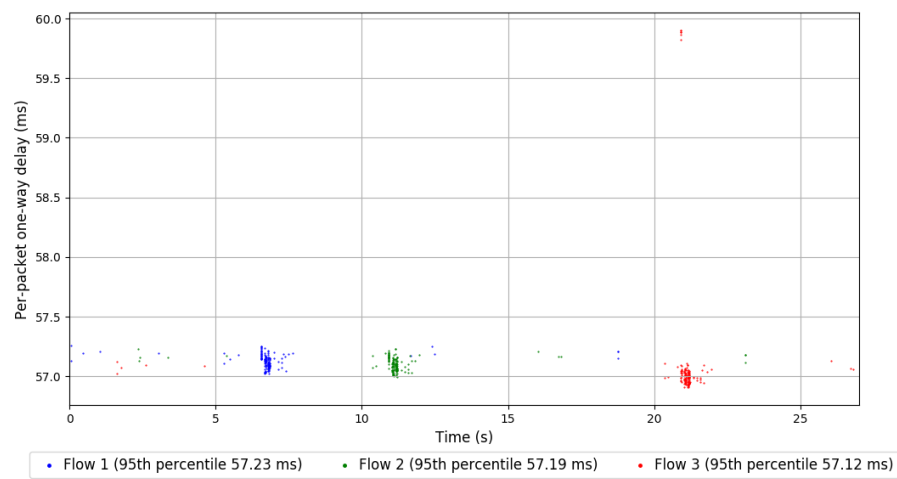
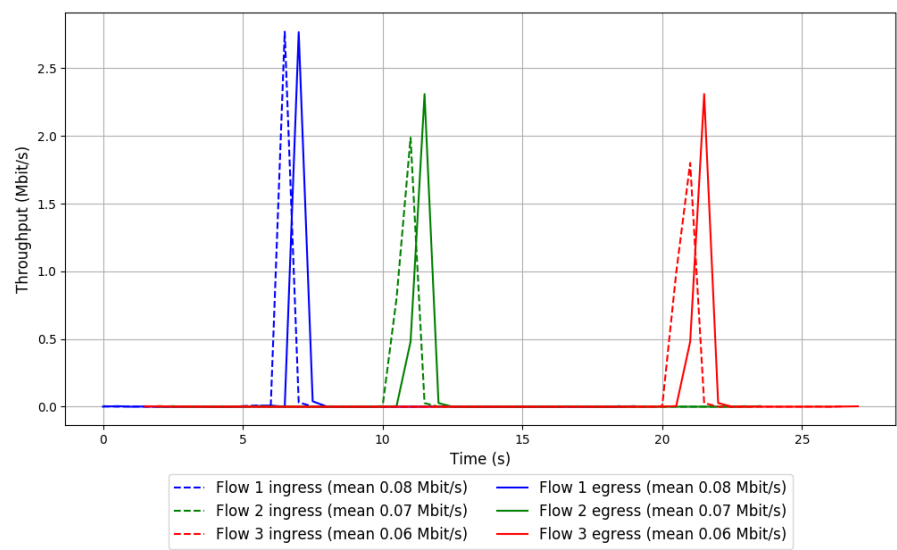


Run 1: Statistics of WebRTC media

Start at: 2019-11-25 03:22:04
End at: 2019-11-25 03:22:34
Local clock offset: -0.038 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2019-11-25 09:32:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 57.206 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 57.225 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 57.191 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 57.117 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-11-25 04:02:52

End at: 2019-11-25 04:03:22

Local clock offset: -0.028 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2019-11-25 09:32:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 57.057 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 57.017 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 57.041 ms

Loss rate: 0.00%

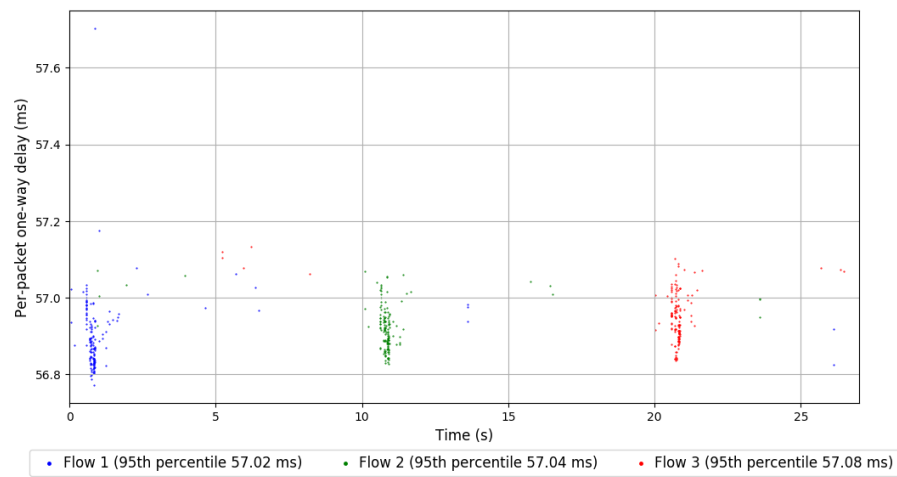
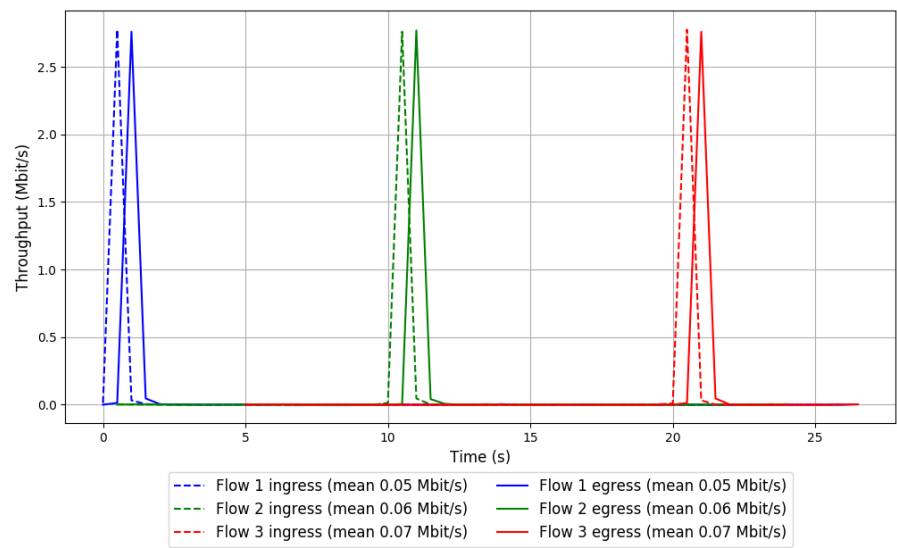
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 57.078 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-11-25 04:43:32

End at: 2019-11-25 04:44:02

Local clock offset: -0.19 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2019-11-25 09:32:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 57.144 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 57.154 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 57.143 ms

Loss rate: 0.00%

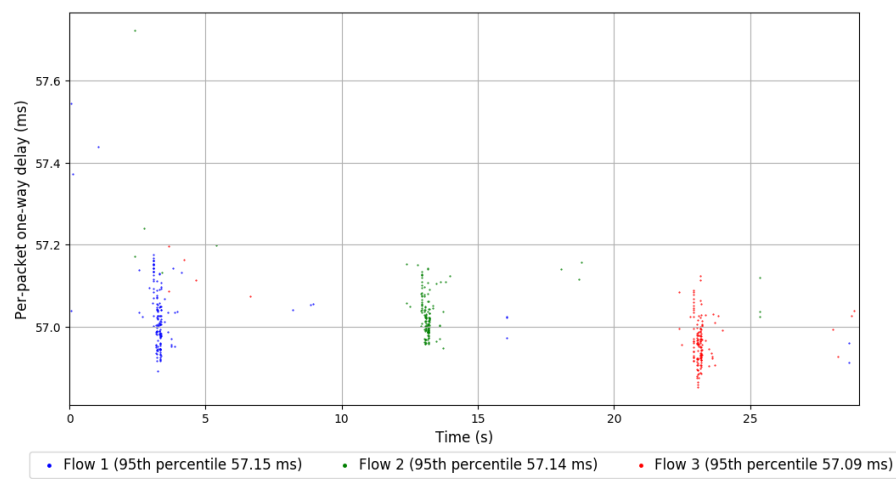
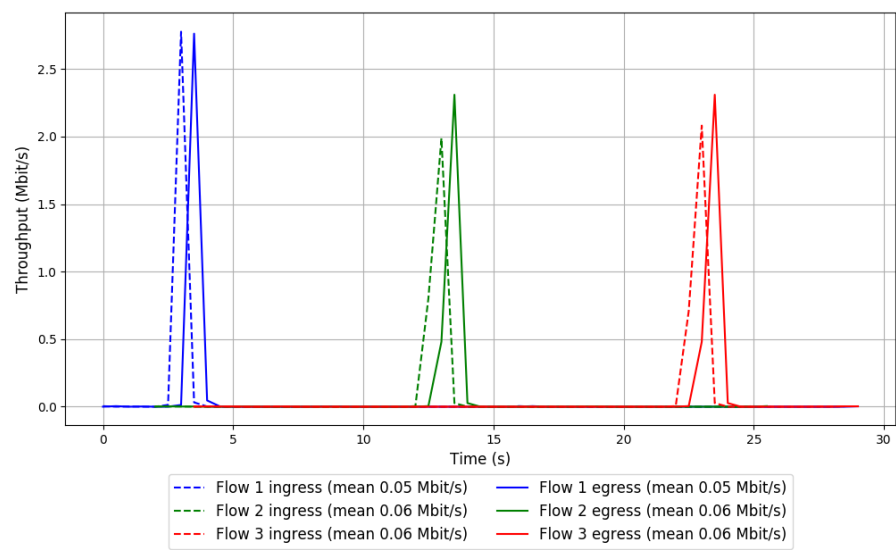
-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 57.085 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-11-25 05:24:18

End at: 2019-11-25 05:24:48

Local clock offset: -0.146 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2019-11-25 09:32:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 56.929 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 56.932 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 56.931 ms

Loss rate: 0.00%

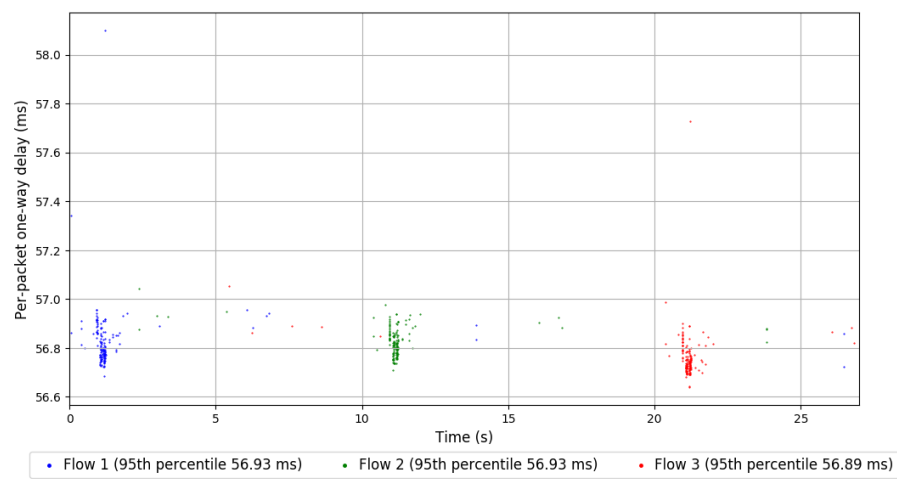
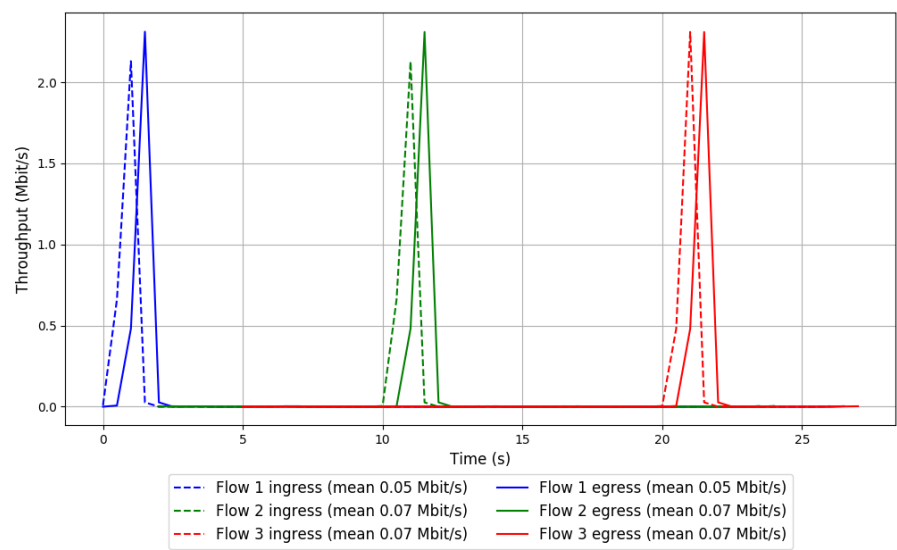
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 56.887 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-11-25 06:05:17

End at: 2019-11-25 06:05:47

Local clock offset: -0.066 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2019-11-25 09:32:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 60.271 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 60.320 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 56.938 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 57.112 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

