

Pantheon Report

Generated at 2019-08-27 03:52:26 (UTC).

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

Repeated the test of 24 congestion control schemes 5 times.

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

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

System info:

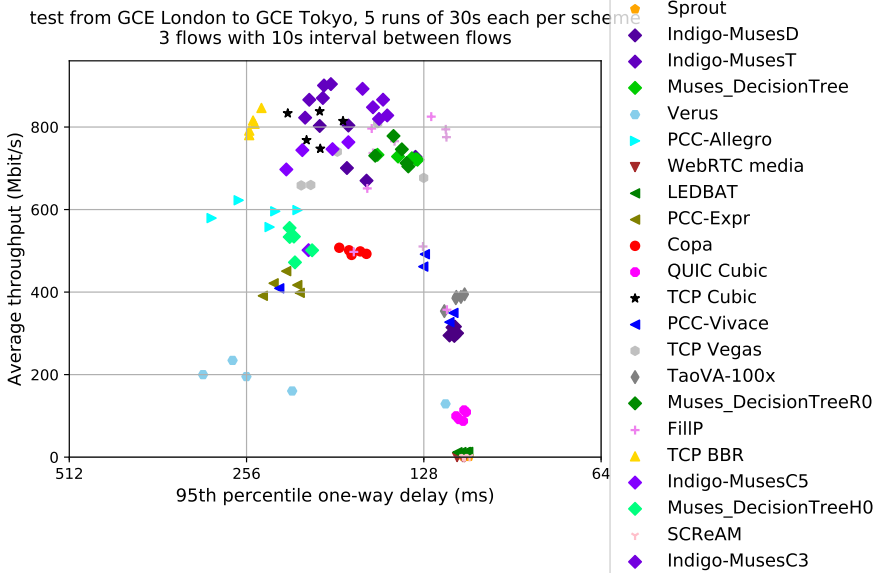
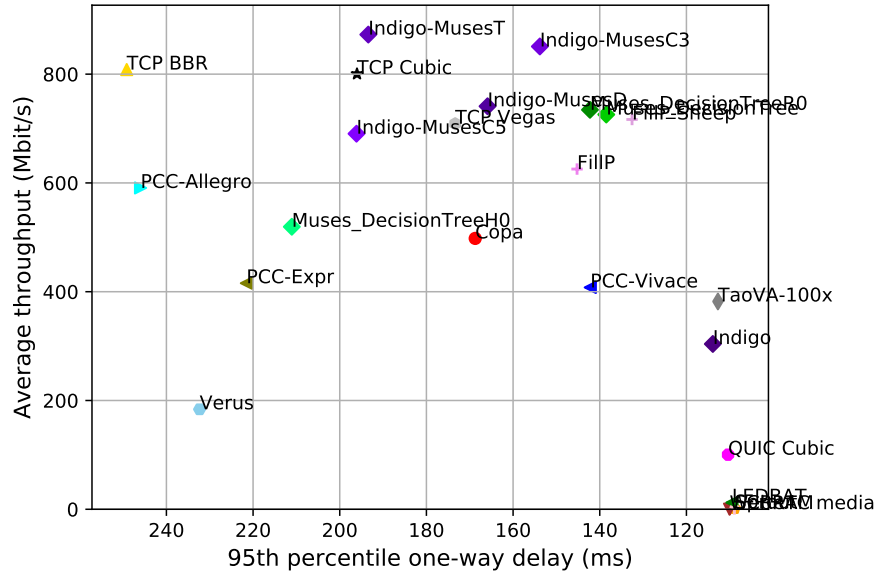
```
Linux 4.15.0-1036-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
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 London to GCE Tokyo, 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	455.30	377.88	312.42	235.80	258.86	204.11	3.56	5.21	5.35
Copa	5	272.36	239.75	203.15	156.33	158.18	198.28	0.67	1.16	2.95
TCP Cubic	5	445.36	383.82	306.42	176.52	205.34	179.42	0.88	1.45	3.78
FillP	5	324.97	340.60	229.37	154.00	113.43	113.33	1.55	0.97	2.59
FillP-Sheep	5	427.76	316.02	243.57	140.37	112.68	113.38	0.73	0.91	2.53
Indigo	5	159.44	151.86	134.65	112.09	115.58	113.48	0.77	1.22	2.71
Indigo-MusesC3	5	499.87	422.98	303.21	154.49	150.26	130.91	0.66	1.11	3.96
Indigo-MusesC5	5	438.15	344.92	117.41	183.56	189.39	133.76	0.54	2.07	6.23
Indigo-MusesD	5	451.05	399.76	130.92	172.26	143.66	107.75	0.50	1.07	4.08
Indigo-MusesT	5	513.87	445.14	282.03	204.15	181.30	148.87	0.97	1.23	4.15
LEDBAT	5	8.01	5.31	2.57	109.42	107.91	109.11	1.45	2.17	4.38
Muses_DecisionTree	5	433.65	353.37	187.13	141.31	131.42	116.45	0.65	1.05	3.37
Muses_DecisionTreeH0	5	281.79	259.12	212.51	211.05	215.40	141.13	5.60	2.37	4.78
Muses_DecisionTreeR0	5	432.94	363.25	195.29	143.96	151.75	114.19	0.68	1.05	3.83
PCC-Allegro	5	331.11	281.18	226.54	227.03	236.64	268.46	5.82	3.84	6.36
PCC-Expr	5	238.02	192.51	154.02	225.74	176.14	217.40	2.30	2.22	4.38
QUIC Cubic	5	58.54	50.27	24.88	109.74	108.00	108.89	1.02	1.74	2.64
SCReAM	5	0.22	0.22	0.22	107.90	107.94	107.35	0.64	1.08	2.15
Sprout	5	0.99	0.53	0.82	107.93	108.57	108.01	0.72	1.27	1.63
TaoVA-100x	5	198.37	192.27	171.83	110.65	112.08	117.58	0.75	1.06	2.50
TCP Vegas	5	358.69	379.18	300.65	136.60	173.19	196.72	0.82	1.25	3.44
Verus	5	107.69	81.31	70.21	240.23	153.29	171.78	5.26	0.48	5.26
PCC-Vivace	5	227.77	203.80	138.55	162.06	113.40	127.79	1.33	1.12	3.69
WebRTC media	5	0.05	0.05	0.05	109.32	107.80	107.97	0.00	0.00	0.01

Run 1: Statistics of TCP BBR

Start at: 2019-08-26 21:30:29

End at: 2019-08-26 21:30:59

Local clock offset: 0.086 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2019-08-27 01:15:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 807.99 Mbit/s

95th percentile per-packet one-way delay: 248.088 ms

Loss rate: 4.27%

-- Flow 1:

Average throughput: 458.35 Mbit/s

95th percentile per-packet one-way delay: 246.963 ms

Loss rate: 2.51%

-- Flow 2:

Average throughput: 385.39 Mbit/s

95th percentile per-packet one-way delay: 274.263 ms

Loss rate: 7.13%

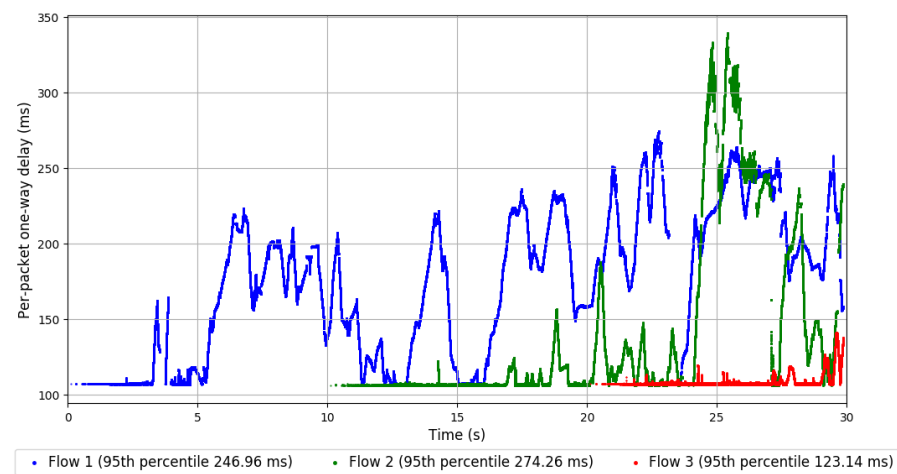
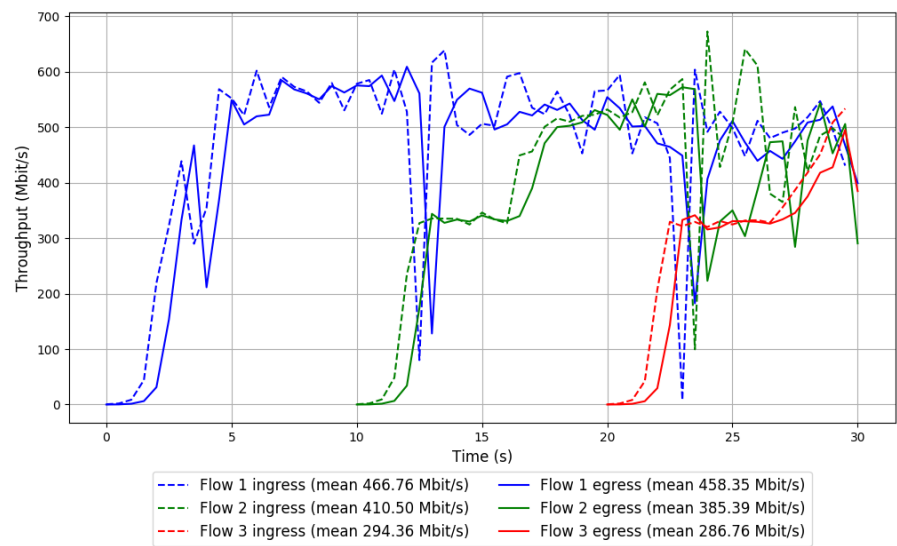
-- Flow 3:

Average throughput: 286.76 Mbit/s

95th percentile per-packet one-way delay: 123.144 ms

Loss rate: 4.70%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-08-26 22:14:05

End at: 2019-08-26 22:14:35

Local clock offset: -0.083 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2019-08-27 01:15:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 791.47 Mbit/s

95th percentile per-packet one-way delay: 253.273 ms

Loss rate: 5.93%

-- Flow 1:

Average throughput: 450.94 Mbit/s

95th percentile per-packet one-way delay: 257.555 ms

Loss rate: 7.60%

-- Flow 2:

Average throughput: 365.22 Mbit/s

95th percentile per-packet one-way delay: 242.041 ms

Loss rate: 3.21%

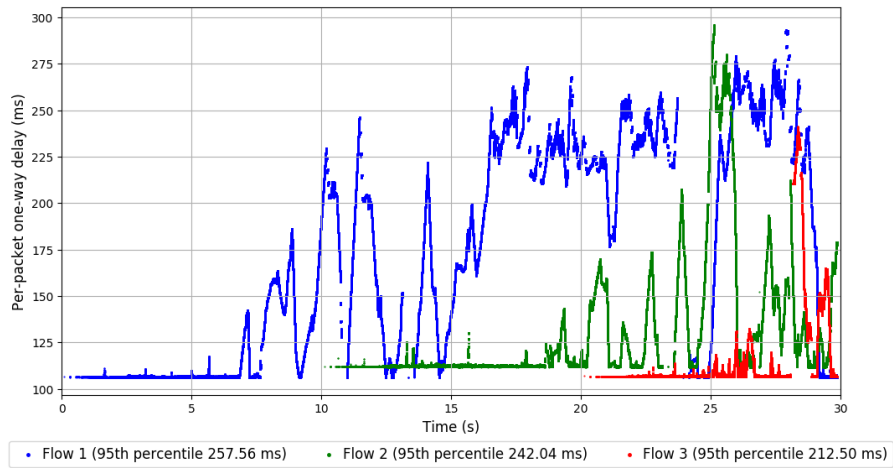
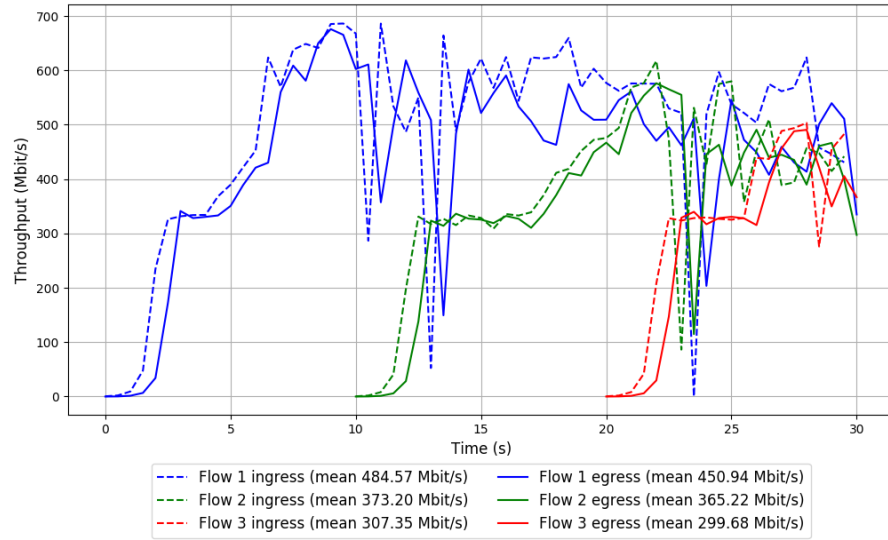
-- Flow 3:

Average throughput: 299.68 Mbit/s

95th percentile per-packet one-way delay: 212.503 ms

Loss rate: 4.59%

Run 2: Report of TCP BBR — Data Link

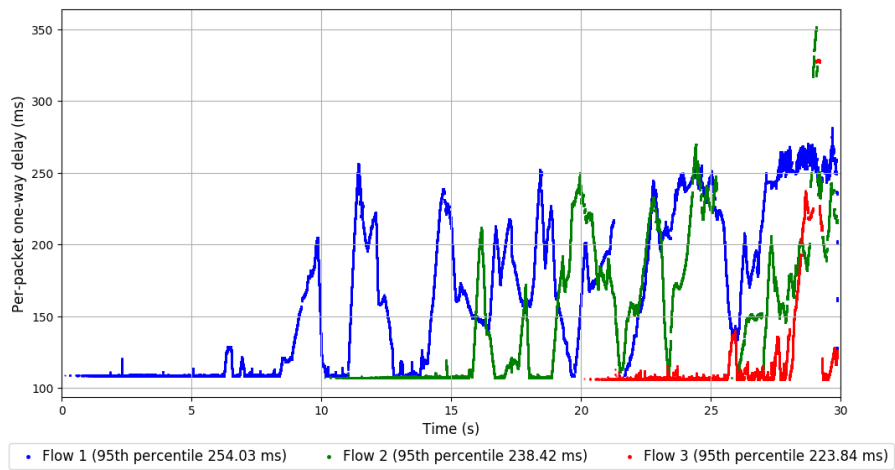
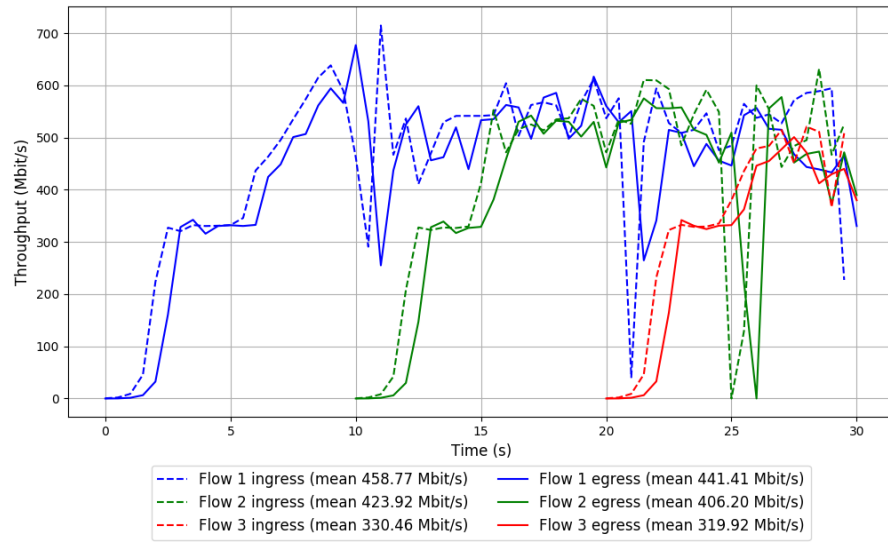


Run 3: Statistics of TCP BBR

Start at: 2019-08-26 22:57:45
End at: 2019-08-26 22:58:15
Local clock offset: 0.066 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2019-08-27 01:16:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 815.87 Mbit/s
95th percentile per-packet one-way delay: 249.557 ms
Loss rate: 4.83%
-- Flow 1:
Average throughput: 441.41 Mbit/s
95th percentile per-packet one-way delay: 254.026 ms
Loss rate: 4.49%
-- Flow 2:
Average throughput: 406.20 Mbit/s
95th percentile per-packet one-way delay: 238.421 ms
Loss rate: 5.22%
-- Flow 3:
Average throughput: 319.92 Mbit/s
95th percentile per-packet one-way delay: 223.845 ms
Loss rate: 5.29%

Run 3: Report of TCP BBR — Data Link

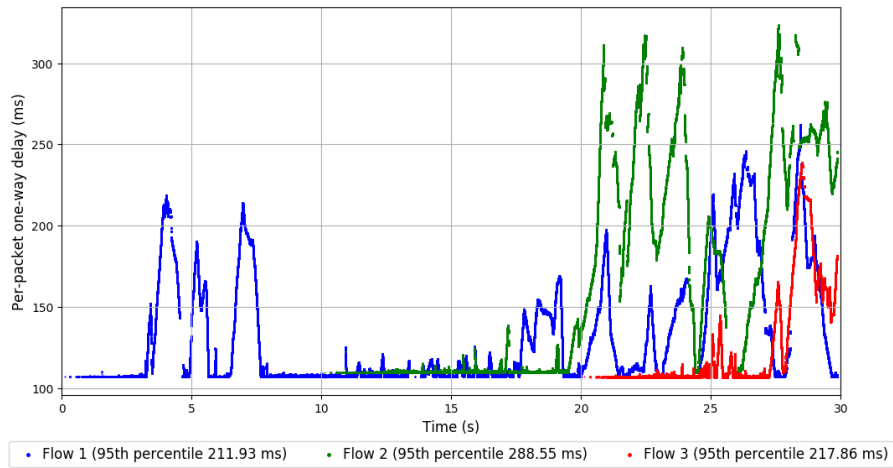
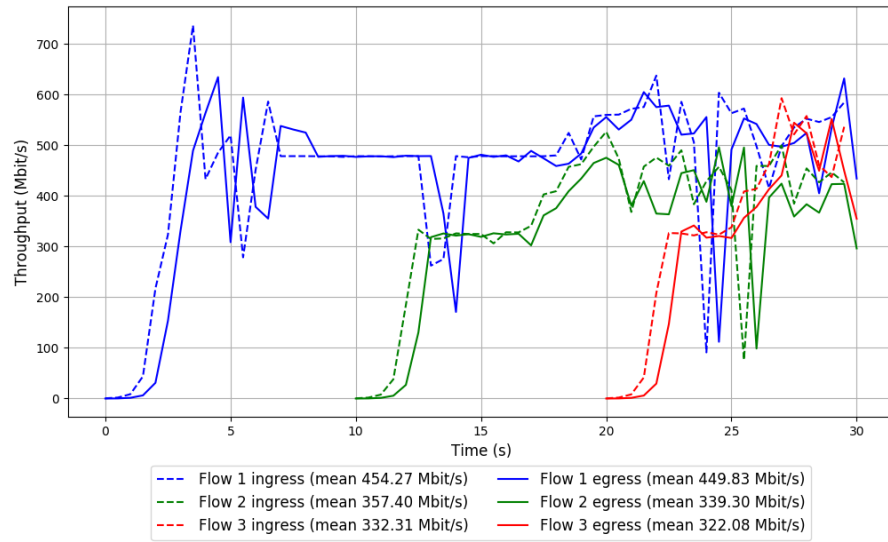


Run 4: Statistics of TCP BBR

Start at: 2019-08-26 23:41:20
End at: 2019-08-26 23:41:50
Local clock offset: -0.016 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2019-08-27 01:16:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 780.42 Mbit/s
95th percentile per-packet one-way delay: 253.357 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 449.83 Mbit/s
95th percentile per-packet one-way delay: 211.934 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 339.30 Mbit/s
95th percentile per-packet one-way delay: 288.553 ms
Loss rate: 6.11%
-- Flow 3:
Average throughput: 322.08 Mbit/s
95th percentile per-packet one-way delay: 217.860 ms
Loss rate: 5.19%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-08-27 00:25:09

End at: 2019-08-27 00:25:39

Local clock offset: 0.189 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2019-08-27 01:16:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 846.32 Mbit/s

95th percentile per-packet one-way delay: 241.518 ms

Loss rate: 3.14%

-- Flow 1:

Average throughput: 475.98 Mbit/s

95th percentile per-packet one-way delay: 208.504 ms

Loss rate: 1.52%

-- Flow 2:

Average throughput: 393.29 Mbit/s

95th percentile per-packet one-way delay: 251.034 ms

Loss rate: 4.38%

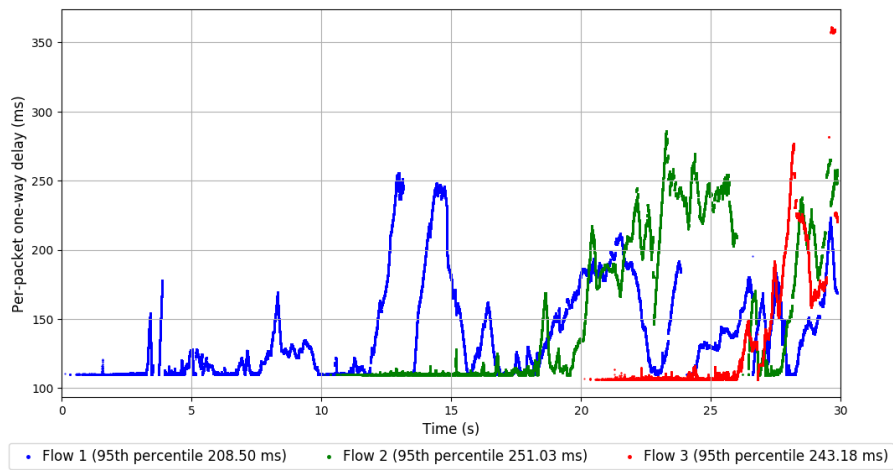
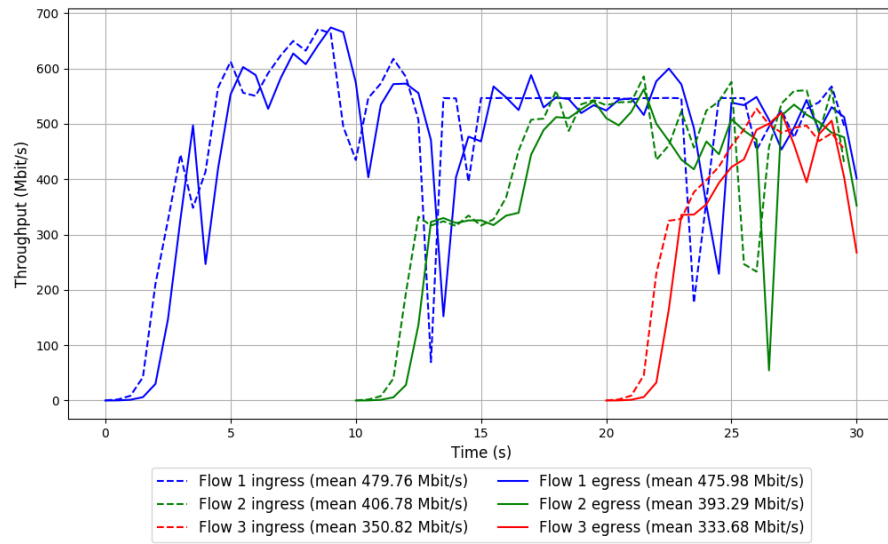
-- Flow 3:

Average throughput: 333.68 Mbit/s

95th percentile per-packet one-way delay: 243.184 ms

Loss rate: 6.96%

Run 5: Report of TCP BBR — Data Link

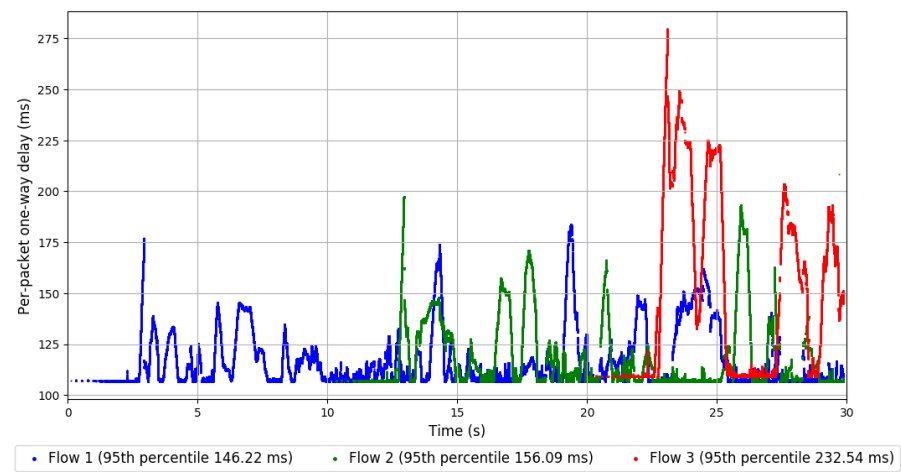
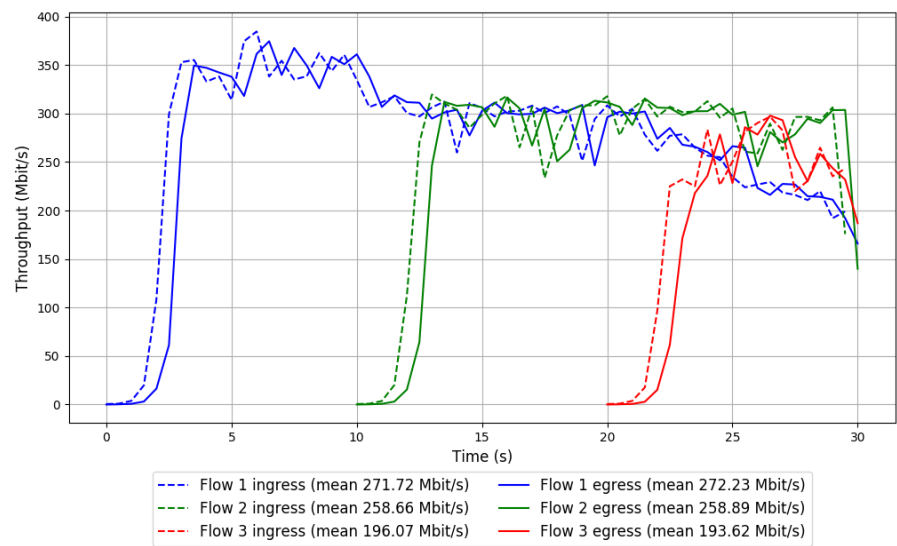


Run 1: Statistics of Copa

Start at: 2019-08-26 21:25:01
End at: 2019-08-26 21:25:31
Local clock offset: 0.117 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2019-08-27 01:18:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 507.42 Mbit/s
95th percentile per-packet one-way delay: 178.147 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 272.23 Mbit/s
95th percentile per-packet one-way delay: 146.218 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 258.89 Mbit/s
95th percentile per-packet one-way delay: 156.095 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 193.62 Mbit/s
95th percentile per-packet one-way delay: 232.543 ms
Loss rate: 3.39%

Run 1: Report of Copa — Data Link

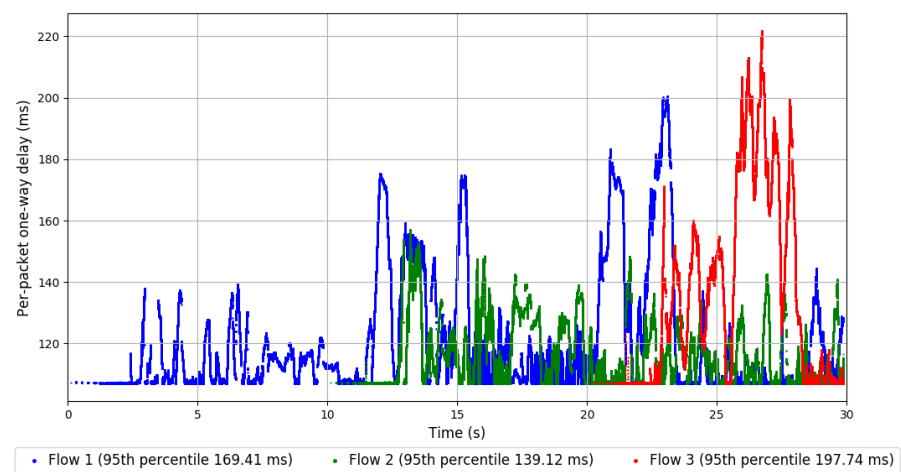
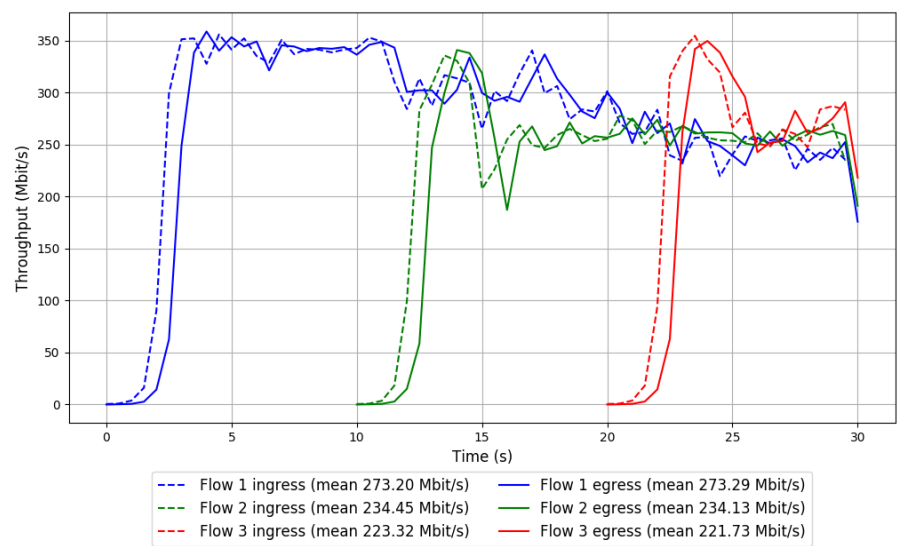


Run 2: Statistics of Copa

Start at: 2019-08-26 22:08:36
End at: 2019-08-26 22:09:06
Local clock offset: 0.077 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2019-08-27 01:18:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 501.28 Mbit/s
95th percentile per-packet one-way delay: 171.461 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 273.29 Mbit/s
95th percentile per-packet one-way delay: 169.408 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 234.13 Mbit/s
95th percentile per-packet one-way delay: 139.123 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 221.73 Mbit/s
95th percentile per-packet one-way delay: 197.741 ms
Loss rate: 2.85%

Run 2: Report of Copa — Data Link

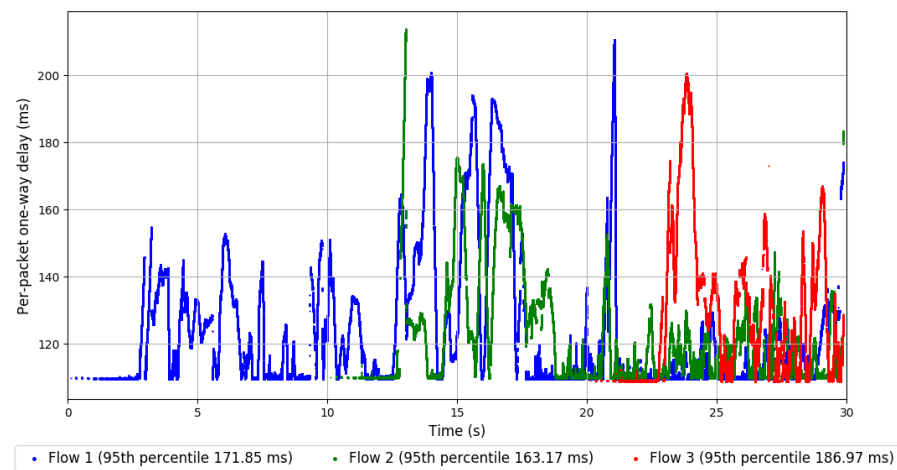
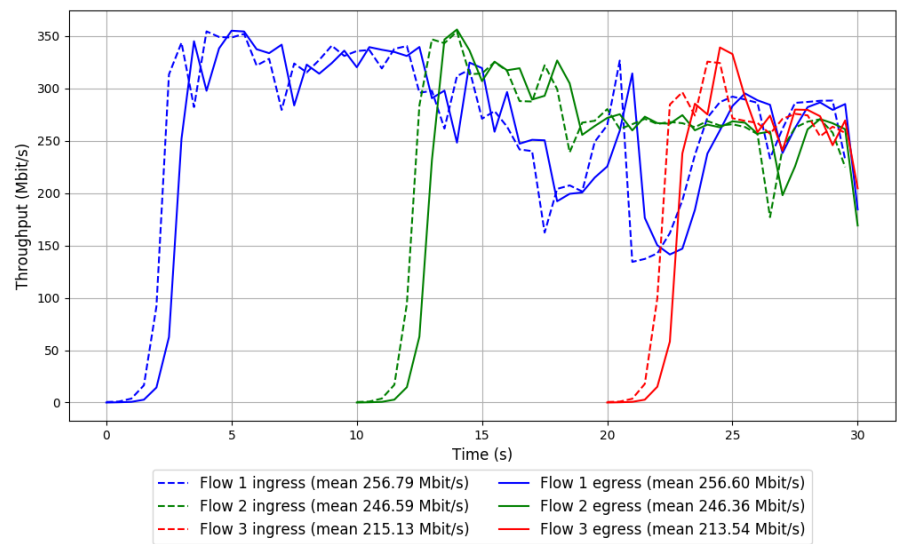


Run 3: Statistics of Copa

Start at: 2019-08-26 22:52:13
End at: 2019-08-26 22:52:43
Local clock offset: -0.057 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2019-08-27 01:18:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 490.05 Mbit/s
95th percentile per-packet one-way delay: 169.788 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 256.60 Mbit/s
95th percentile per-packet one-way delay: 171.849 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 246.36 Mbit/s
95th percentile per-packet one-way delay: 163.174 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 213.54 Mbit/s
95th percentile per-packet one-way delay: 186.968 ms
Loss rate: 2.87%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-08-26 23:35:49

End at: 2019-08-26 23:36:19

Local clock offset: -0.779 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2019-08-27 01:33:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 498.58 Mbit/s

95th percentile per-packet one-way delay: 164.095 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 280.32 Mbit/s

95th percentile per-packet one-way delay: 143.216 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 229.95 Mbit/s

95th percentile per-packet one-way delay: 169.616 ms

Loss rate: 1.20%

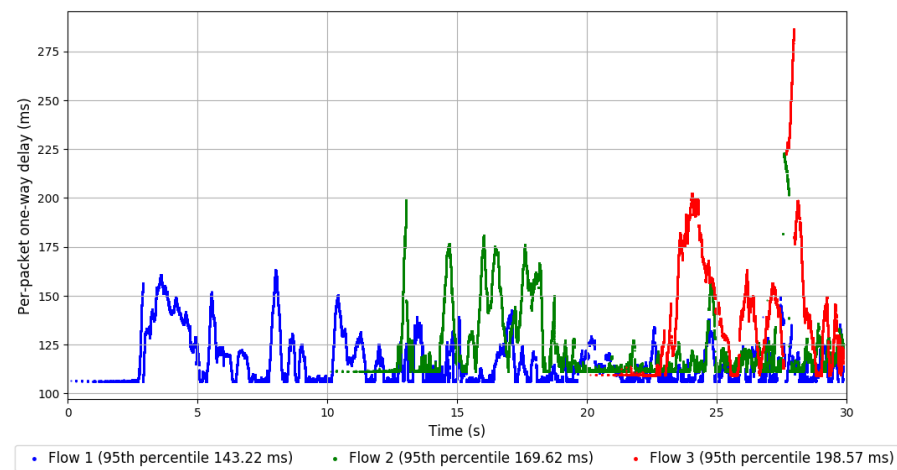
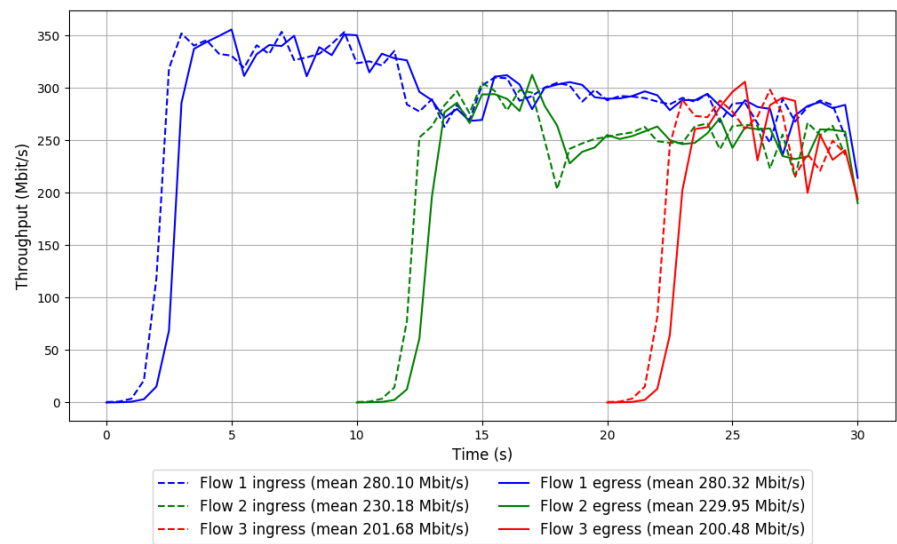
-- Flow 3:

Average throughput: 200.48 Mbit/s

95th percentile per-packet one-way delay: 198.568 ms

Loss rate: 2.77%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-08-27 00:19:41

End at: 2019-08-27 00:20:11

Local clock offset: 0.157 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2019-08-27 01:33:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 492.63 Mbit/s

95th percentile per-packet one-way delay: 160.205 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 279.37 Mbit/s

95th percentile per-packet one-way delay: 150.956 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 229.41 Mbit/s

95th percentile per-packet one-way delay: 162.907 ms

Loss rate: 1.24%

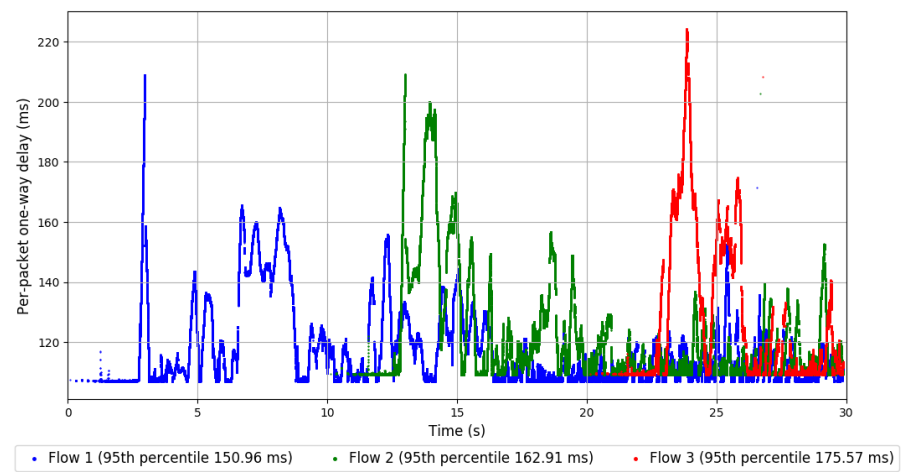
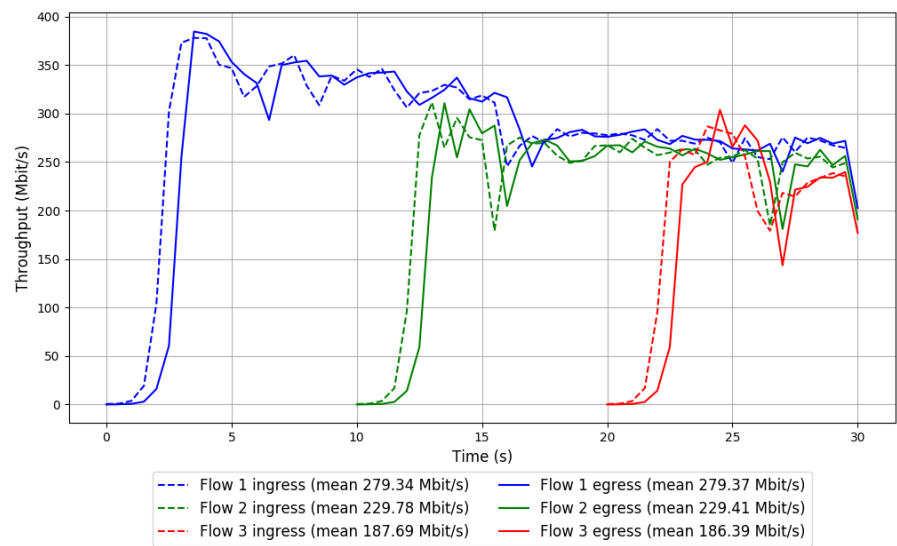
-- Flow 3:

Average throughput: 186.39 Mbit/s

95th percentile per-packet one-way delay: 175.575 ms

Loss rate: 2.86%

Run 5: Report of Copa — Data Link

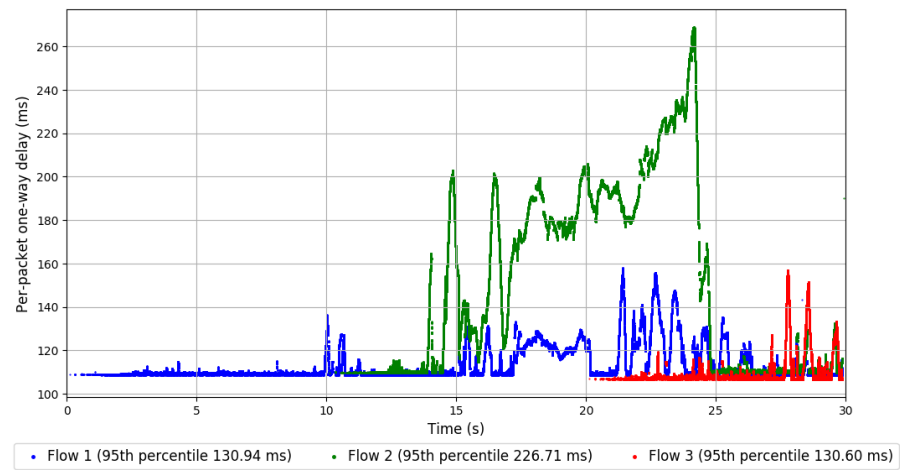
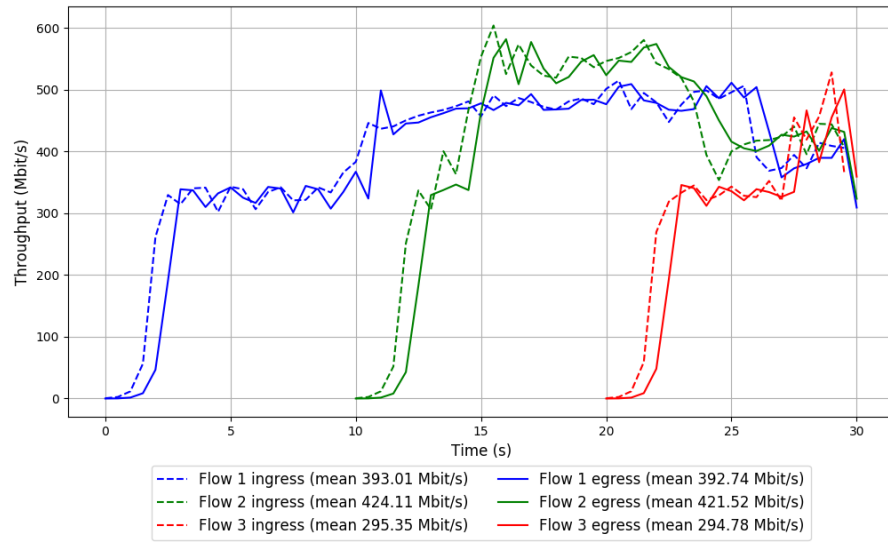


Run 1: Statistics of TCP Cubic

Start at: 2019-08-26 21:12:09
End at: 2019-08-26 21:12:39
Local clock offset: -0.039 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2019-08-27 01:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 768.27 Mbit/s
95th percentile per-packet one-way delay: 202.467 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 392.74 Mbit/s
95th percentile per-packet one-way delay: 130.936 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 421.52 Mbit/s
95th percentile per-packet one-way delay: 226.711 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 294.78 Mbit/s
95th percentile per-packet one-way delay: 130.602 ms
Loss rate: 2.35%

Run 1: Report of TCP Cubic — Data Link

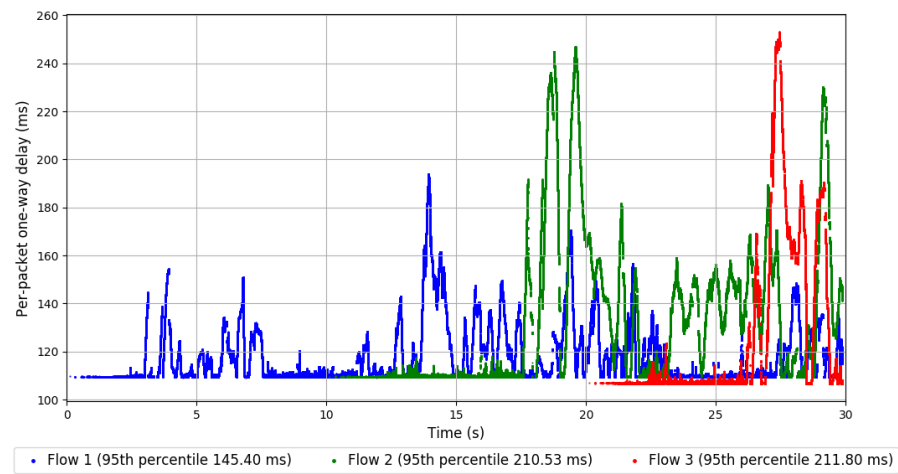
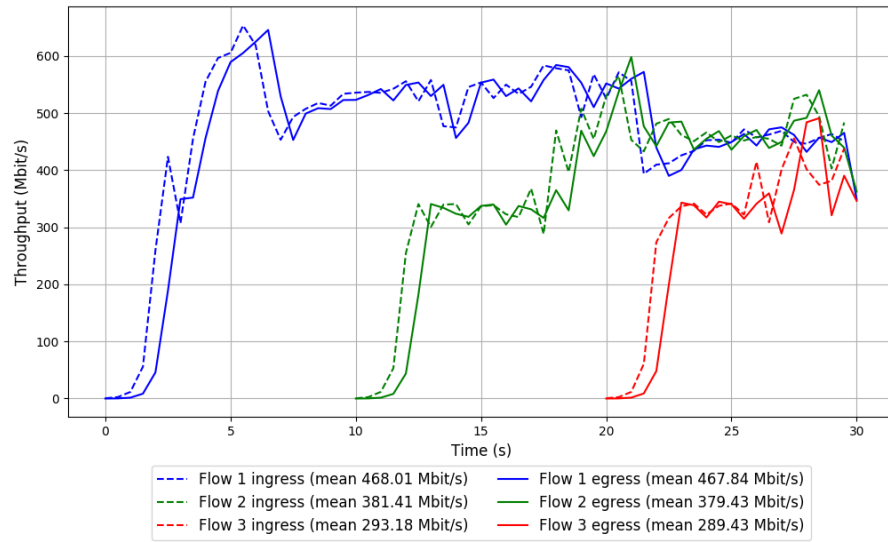


Run 2: Statistics of TCP Cubic

Start at: 2019-08-26 21:55:38
End at: 2019-08-26 21:56:08
Local clock offset: -0.012 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-08-27 01:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 814.49 Mbit/s
95th percentile per-packet one-way delay: 175.556 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 467.84 Mbit/s
95th percentile per-packet one-way delay: 145.397 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 379.43 Mbit/s
95th percentile per-packet one-way delay: 210.535 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 289.43 Mbit/s
95th percentile per-packet one-way delay: 211.800 ms
Loss rate: 3.38%

Run 2: Report of TCP Cubic — Data Link

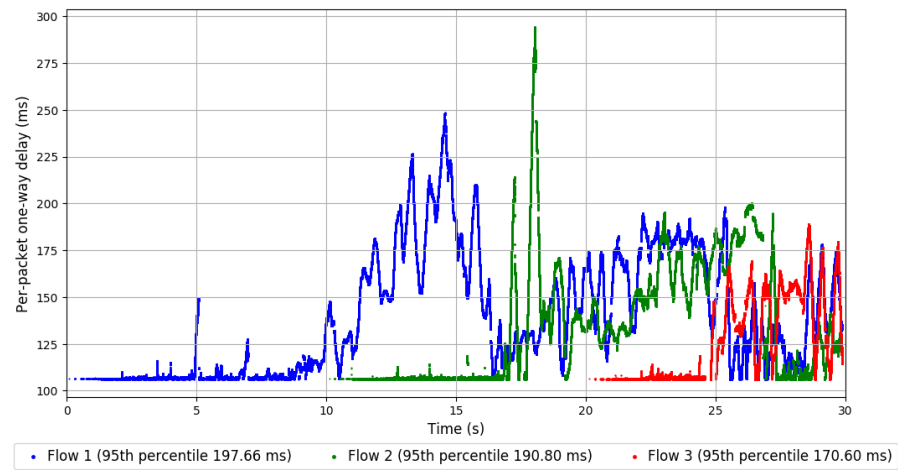
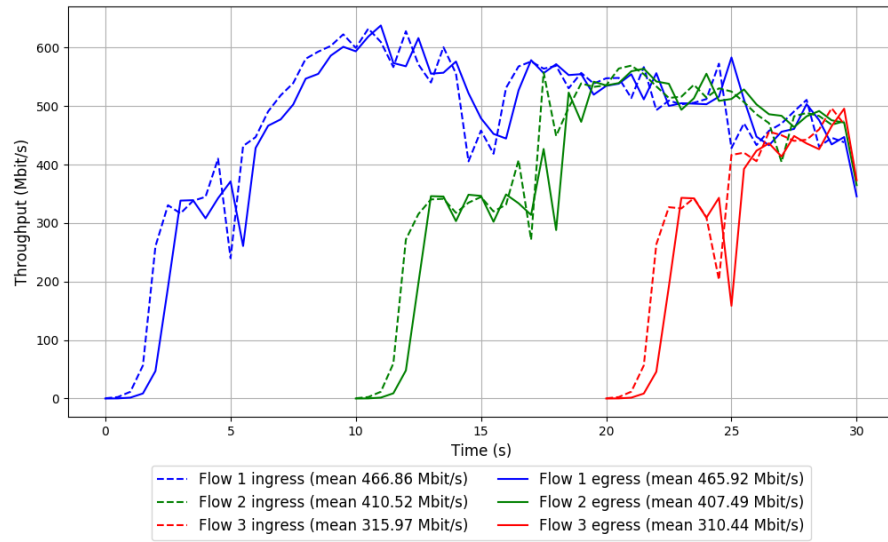


Run 3: Statistics of TCP Cubic

Start at: 2019-08-26 22:39:07
End at: 2019-08-26 22:39:37
Local clock offset: -0.588 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2019-08-27 01:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 838.07 Mbit/s
95th percentile per-packet one-way delay: 192.298 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 465.92 Mbit/s
95th percentile per-packet one-way delay: 197.658 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 407.49 Mbit/s
95th percentile per-packet one-way delay: 190.802 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 310.44 Mbit/s
95th percentile per-packet one-way delay: 170.601 ms
Loss rate: 3.87%

Run 3: Report of TCP Cubic — Data Link

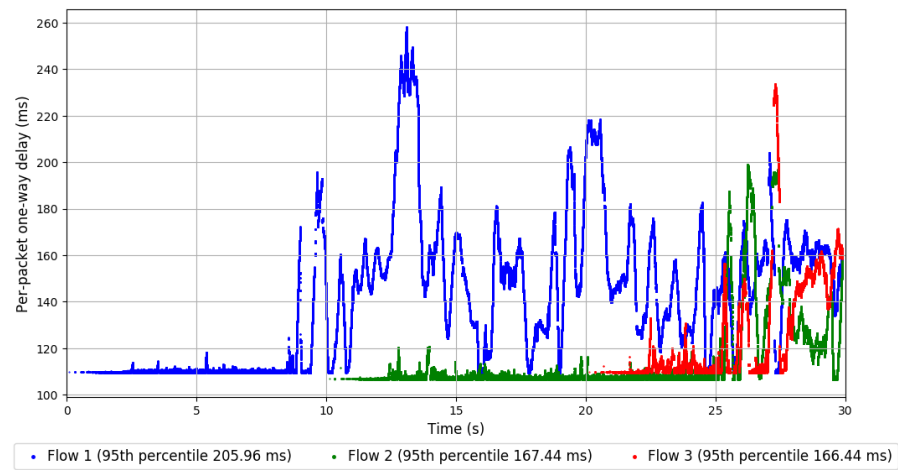
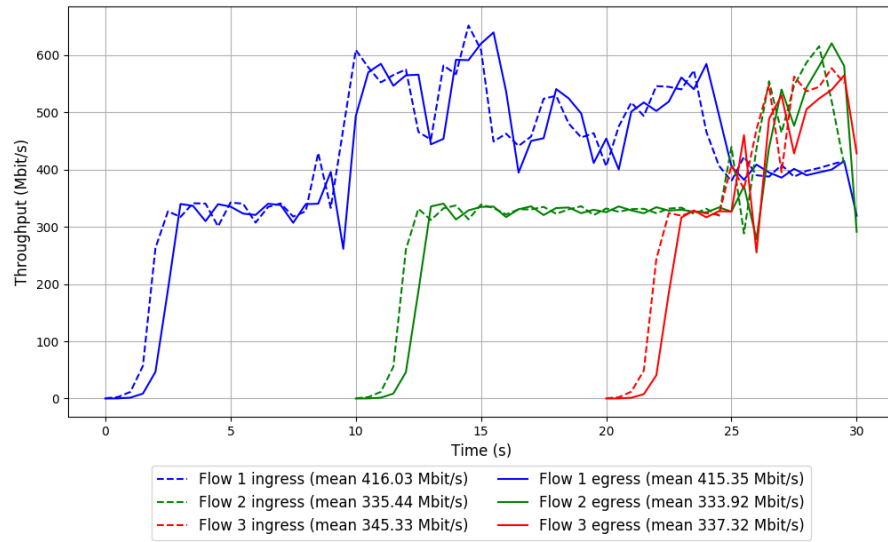


Run 4: Statistics of TCP Cubic

Start at: 2019-08-26 23:22:44
End at: 2019-08-26 23:23:14
Local clock offset: -0.205 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2019-08-27 01:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 747.43 Mbit/s
95th percentile per-packet one-way delay: 191.872 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 415.35 Mbit/s
95th percentile per-packet one-way delay: 205.959 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 333.92 Mbit/s
95th percentile per-packet one-way delay: 167.445 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 337.32 Mbit/s
95th percentile per-packet one-way delay: 166.439 ms
Loss rate: 4.46%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-08-27 00:06:35

End at: 2019-08-27 00:07:05

Local clock offset: -0.031 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2019-08-27 01:34:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 833.32 Mbit/s

95th percentile per-packet one-way delay: 217.904 ms

Loss rate: 1.52%

-- Flow 1:

Average throughput: 484.93 Mbit/s

95th percentile per-packet one-way delay: 202.651 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 376.75 Mbit/s

95th percentile per-packet one-way delay: 231.225 ms

Loss rate: 1.02%

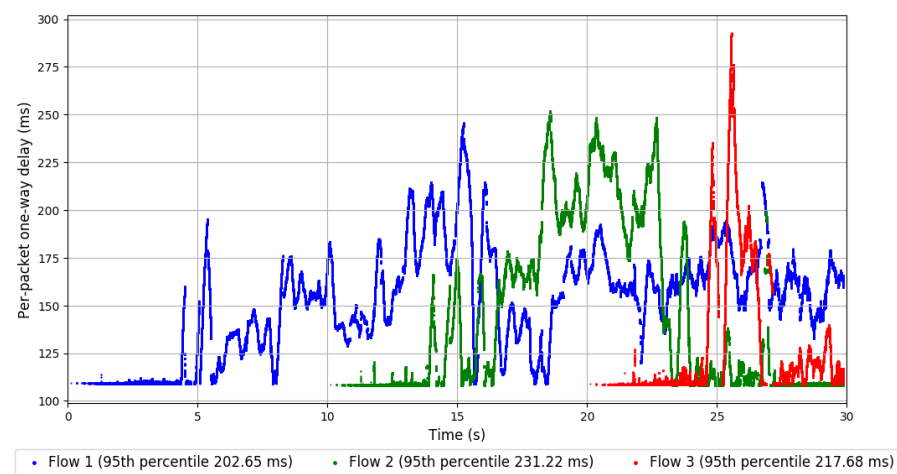
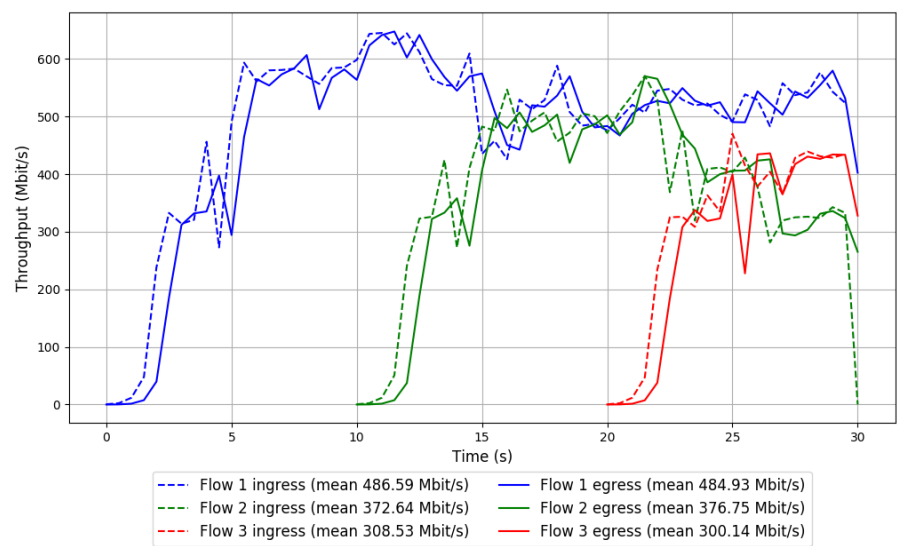
-- Flow 3:

Average throughput: 300.14 Mbit/s

95th percentile per-packet one-way delay: 217.681 ms

Loss rate: 4.85%

Run 5: Report of TCP Cubic — Data Link

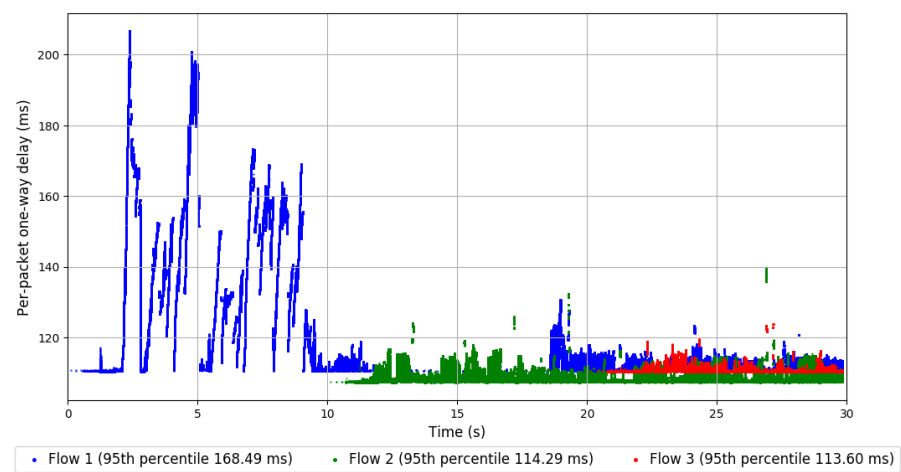
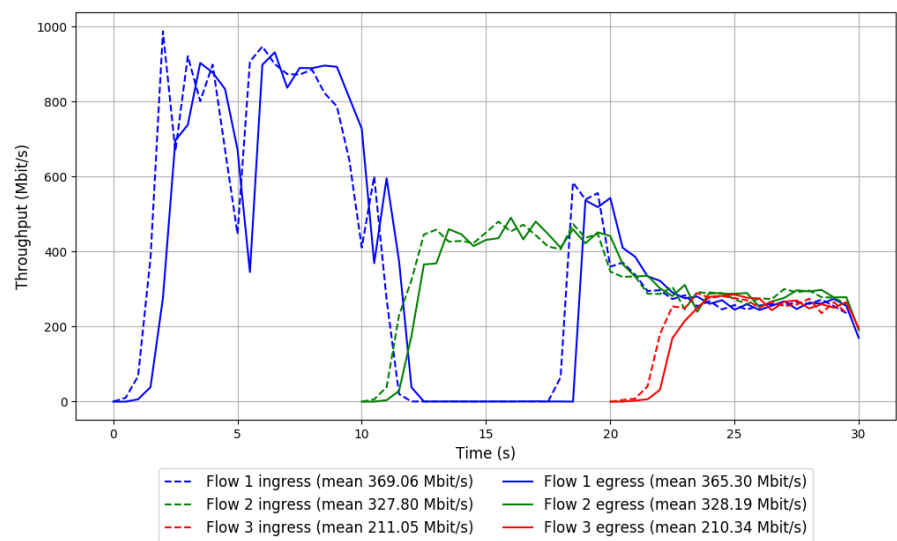


Run 1: Statistics of FillP

Start at: 2019-08-26 21:06:19
End at: 2019-08-26 21:06:49
Local clock offset: 0.67 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-08-27 01:34:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 651.24 Mbit/s
95th percentile per-packet one-way delay: 159.668 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 365.30 Mbit/s
95th percentile per-packet one-way delay: 168.488 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 328.19 Mbit/s
95th percentile per-packet one-way delay: 114.287 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 210.34 Mbit/s
95th percentile per-packet one-way delay: 113.603 ms
Loss rate: 2.35%

Run 1: Report of FillP — Data Link

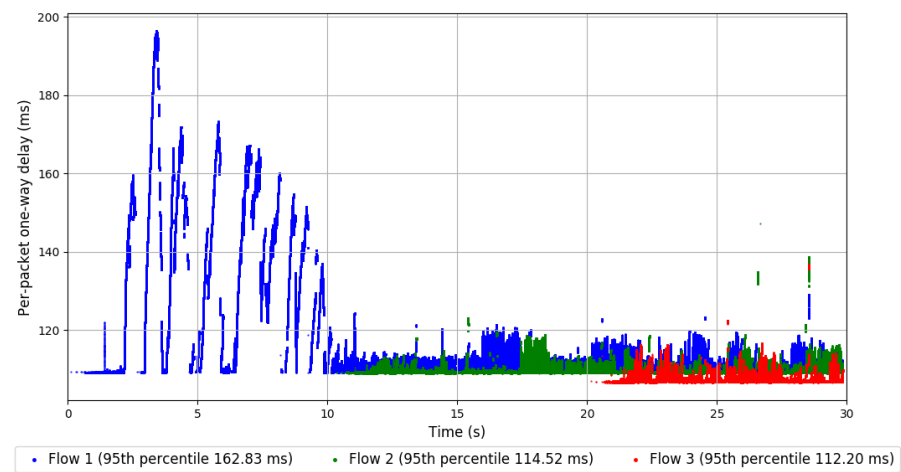
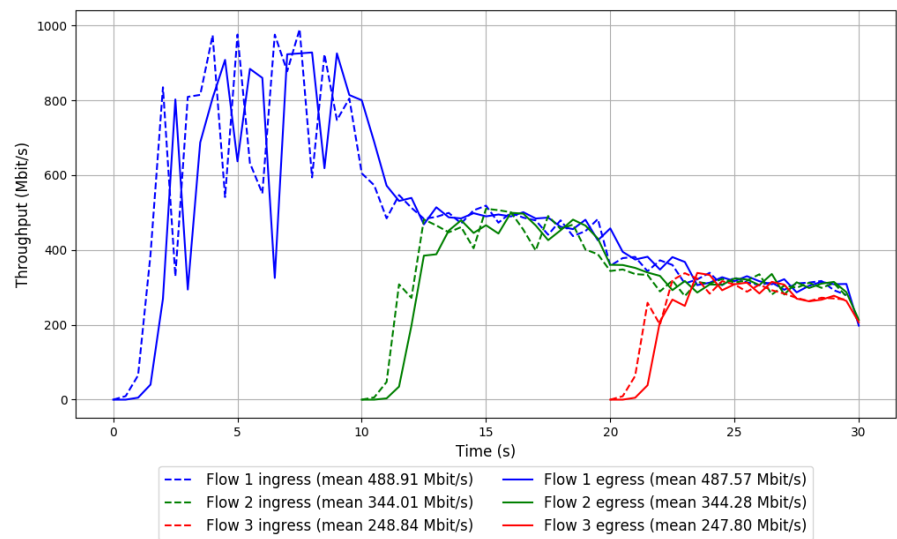


Run 2: Statistics of FillP

Start at: 2019-08-26 21:49:48
End at: 2019-08-26 21:50:18
Local clock offset: -0.063 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2019-08-27 01:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 796.37 Mbit/s
95th percentile per-packet one-way delay: 156.918 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 487.57 Mbit/s
95th percentile per-packet one-way delay: 162.827 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 344.28 Mbit/s
95th percentile per-packet one-way delay: 114.520 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 247.80 Mbit/s
95th percentile per-packet one-way delay: 112.205 ms
Loss rate: 2.58%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-08-26 22:33:28

End at: 2019-08-26 22:33:58

Local clock offset: -0.023 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2019-08-27 01:48:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 357.25 Mbit/s

95th percentile per-packet one-way delay: 116.947 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 50.62 Mbit/s

95th percentile per-packet one-way delay: 135.362 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 348.14 Mbit/s

95th percentile per-packet one-way delay: 115.497 ms

Loss rate: 0.95%

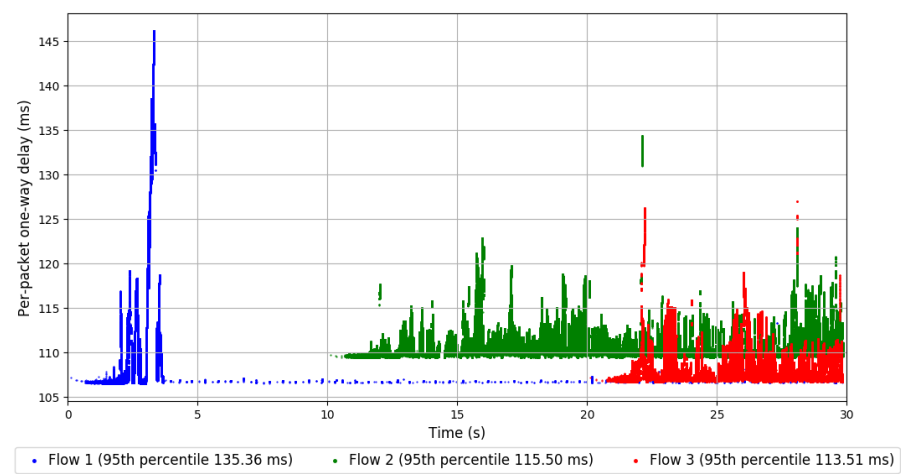
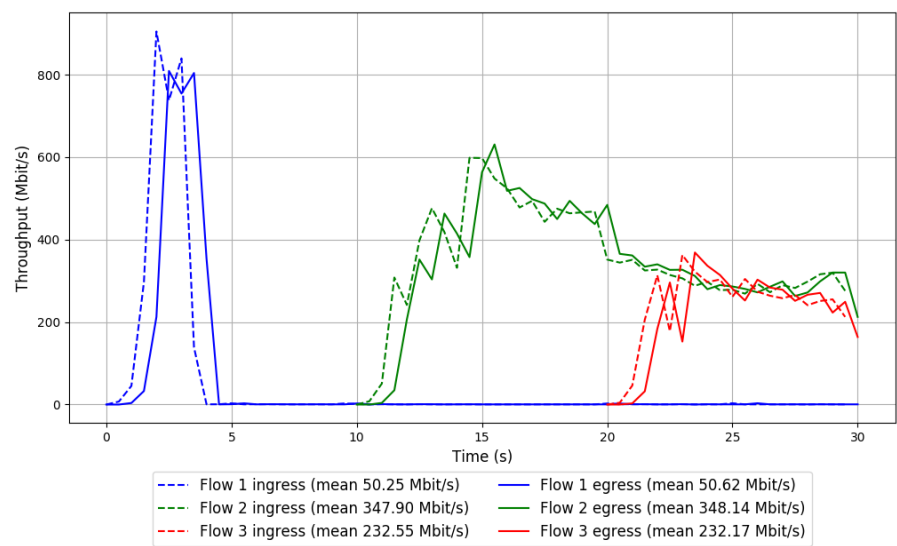
-- Flow 3:

Average throughput: 232.17 Mbit/s

95th percentile per-packet one-way delay: 113.514 ms

Loss rate: 2.38%

Run 3: Report of FillP — Data Link

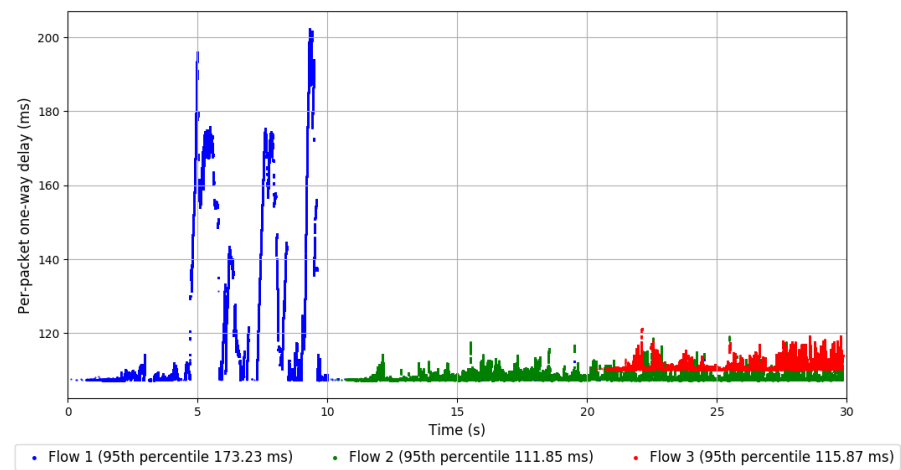
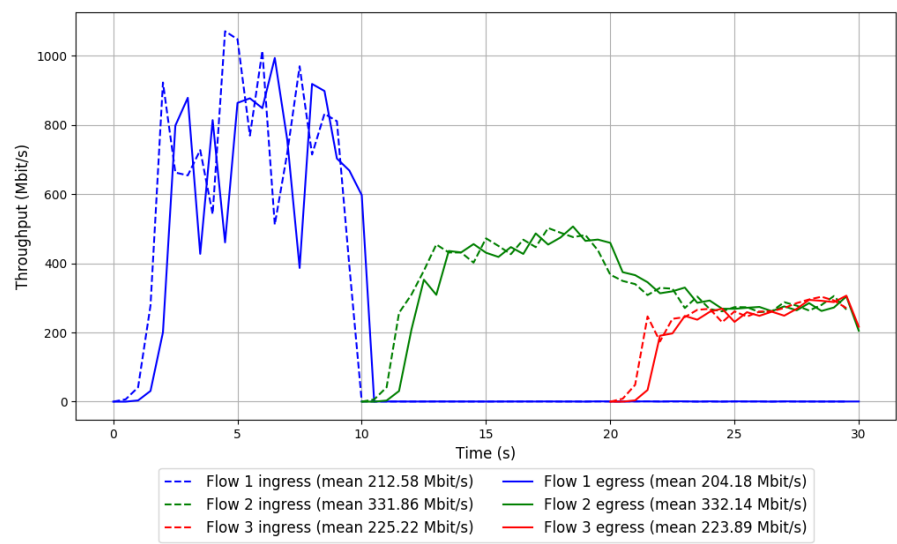


Run 4: Statistics of FillP

Start at: 2019-08-26 23:17:04
End at: 2019-08-26 23:17:34
Local clock offset: 0.434 ms
Remote clock offset: -0.14 ms

Below is generated by plot.py at 2019-08-27 01:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 497.41 Mbit/s
95th percentile per-packet one-way delay: 168.310 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 204.18 Mbit/s
95th percentile per-packet one-way delay: 173.227 ms
Loss rate: 4.42%
-- Flow 2:
Average throughput: 332.14 Mbit/s
95th percentile per-packet one-way delay: 111.846 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 223.89 Mbit/s
95th percentile per-packet one-way delay: 115.868 ms
Loss rate: 2.70%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-08-27 00:00:39

End at: 2019-08-27 00:01:09

Local clock offset: 0.07 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2019-08-27 01:51:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 825.22 Mbit/s

95th percentile per-packet one-way delay: 124.340 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 517.18 Mbit/s

95th percentile per-packet one-way delay: 130.116 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 350.24 Mbit/s

95th percentile per-packet one-way delay: 111.009 ms

Loss rate: 0.94%

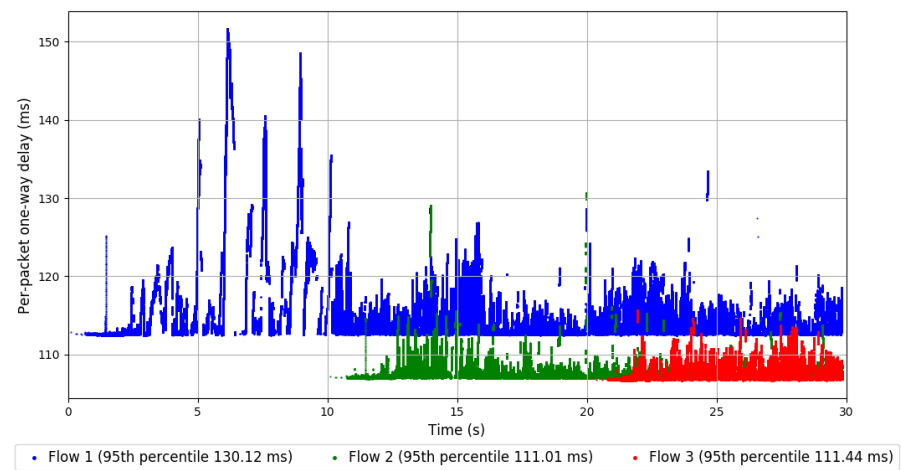
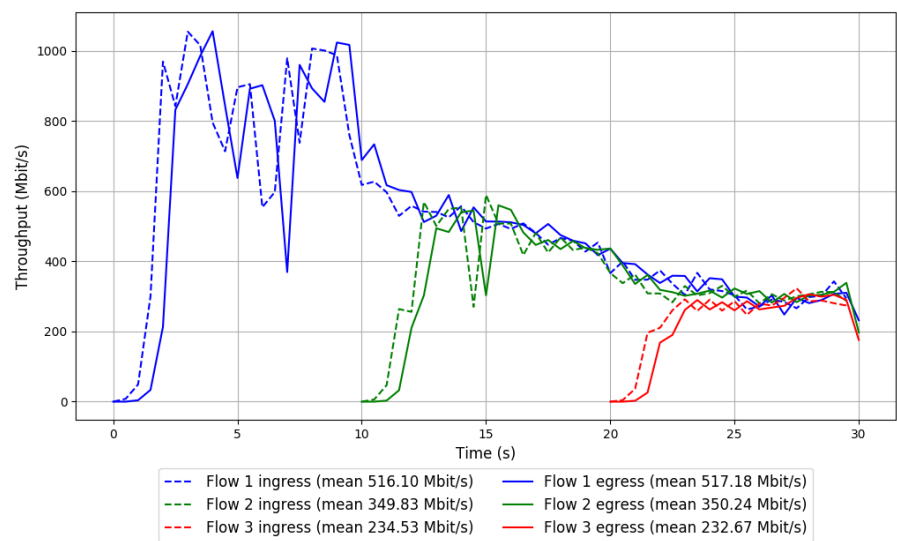
-- Flow 3:

Average throughput: 232.67 Mbit/s

95th percentile per-packet one-way delay: 111.438 ms

Loss rate: 2.95%

Run 5: Report of FillP — Data Link

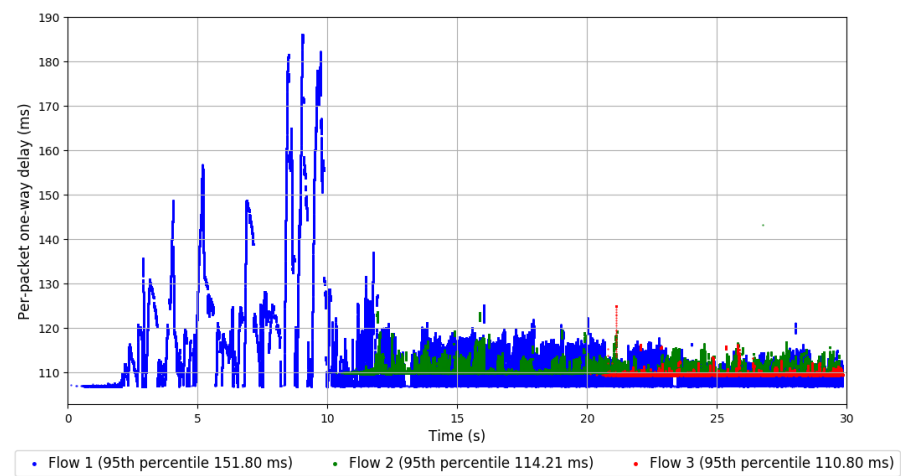
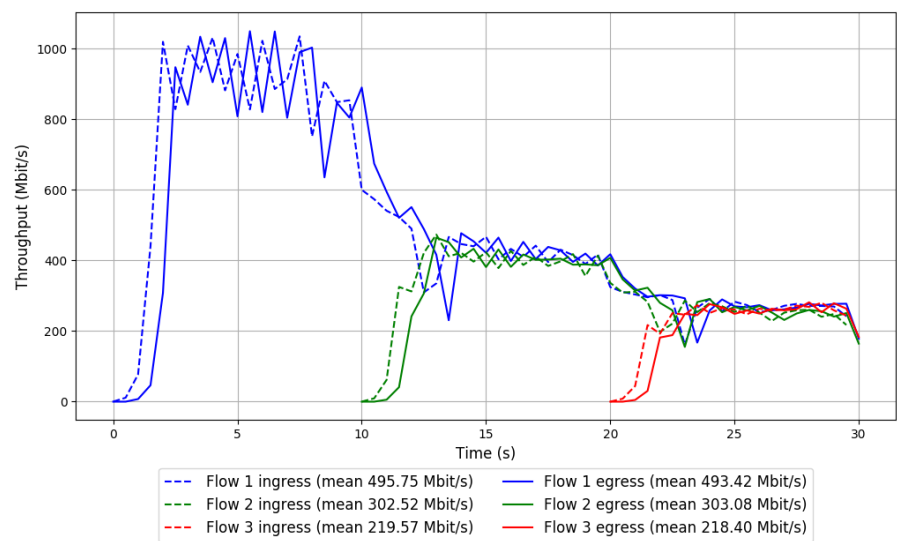


Run 1: Statistics of FillP-Sheep

Start at: 2019-08-26 21:39:04
End at: 2019-08-26 21:39:34
Local clock offset: -0.008 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2019-08-27 01:51:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 765.61 Mbit/s
95th percentile per-packet one-way delay: 143.531 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 493.42 Mbit/s
95th percentile per-packet one-way delay: 151.798 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 303.08 Mbit/s
95th percentile per-packet one-way delay: 114.213 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 218.40 Mbit/s
95th percentile per-packet one-way delay: 110.804 ms
Loss rate: 2.73%

Run 1: Report of FillP-Sheep — Data Link

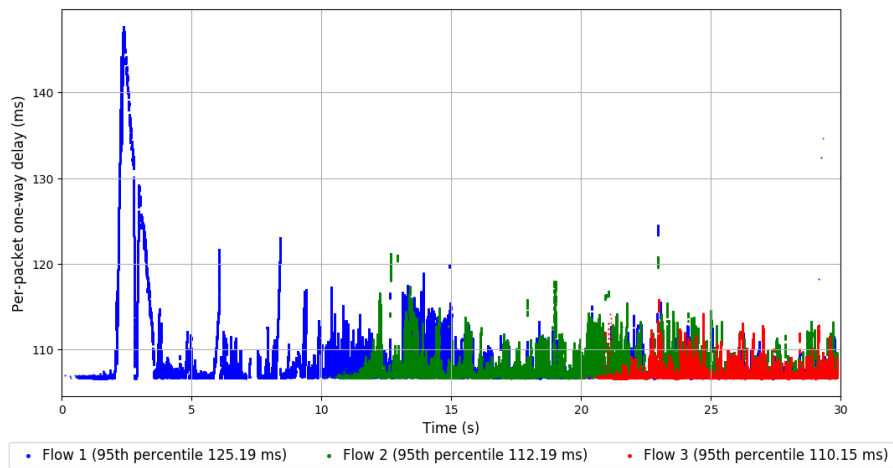
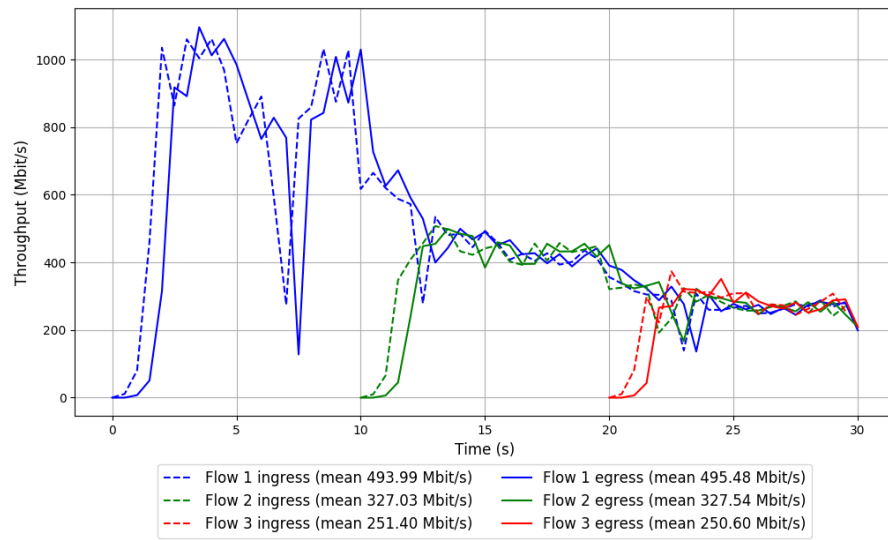


Run 2: Statistics of FillP-Sheep

Start at: 2019-08-26 22:22:46
End at: 2019-08-26 22:23:16
Local clock offset: -0.002 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-08-27 01:51:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 794.39 Mbit/s
95th percentile per-packet one-way delay: 117.474 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 495.48 Mbit/s
95th percentile per-packet one-way delay: 125.185 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 327.54 Mbit/s
95th percentile per-packet one-way delay: 112.188 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 250.60 Mbit/s
95th percentile per-packet one-way delay: 110.149 ms
Loss rate: 2.30%

Run 2: Report of FillP-Sheep — Data Link

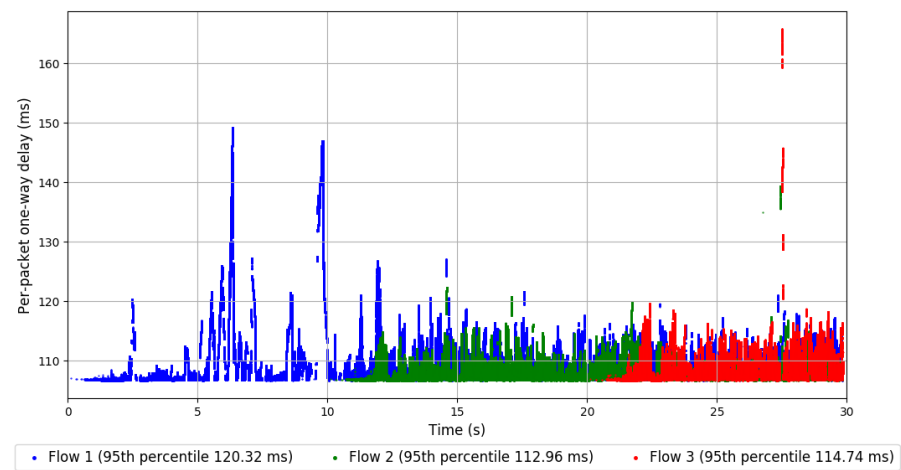
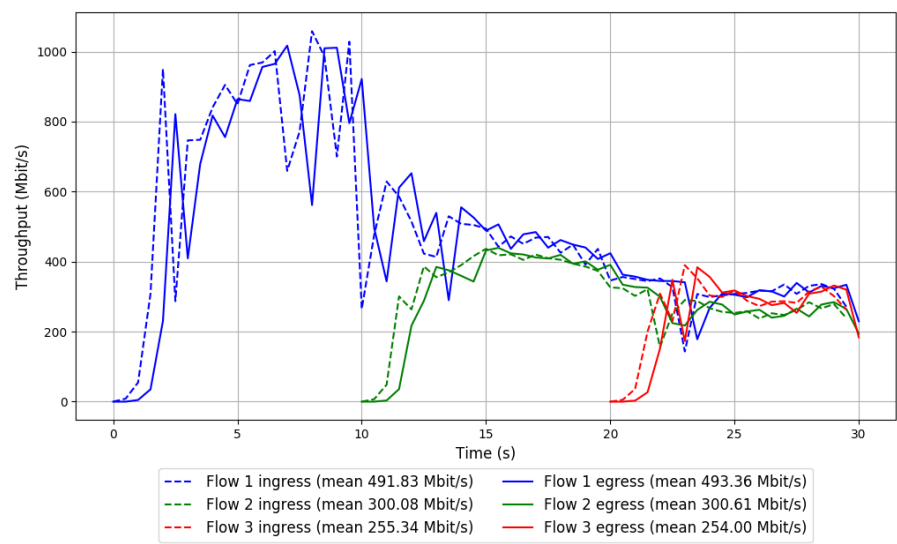


Run 3: Statistics of FillP-Sheep

Start at: 2019-08-26 23:06:23
End at: 2019-08-26 23:06:53
Local clock offset: -0.097 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2019-08-27 01:51:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 775.50 Mbit/s
95th percentile per-packet one-way delay: 117.163 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 493.36 Mbit/s
95th percentile per-packet one-way delay: 120.321 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 300.61 Mbit/s
95th percentile per-packet one-way delay: 112.960 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 254.00 Mbit/s
95th percentile per-packet one-way delay: 114.737 ms
Loss rate: 2.55%

Run 3: Report of FillP-Sheep — Data Link

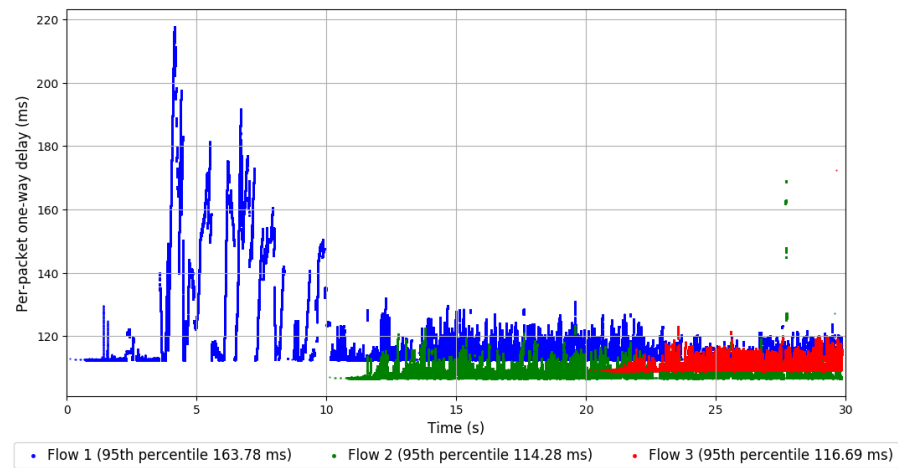
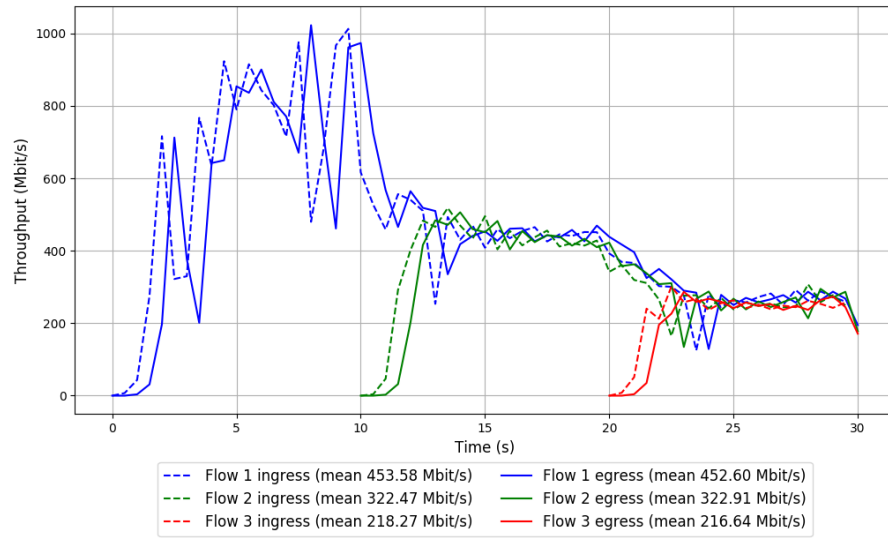


Run 4: Statistics of FillP-Sheep

Start at: 2019-08-26 23:49:56
End at: 2019-08-26 23:50:26
Local clock offset: -0.09 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2019-08-27 01:51:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 737.19 Mbit/s
95th percentile per-packet one-way delay: 156.152 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 452.60 Mbit/s
95th percentile per-packet one-way delay: 163.782 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 322.91 Mbit/s
95th percentile per-packet one-way delay: 114.284 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 216.64 Mbit/s
95th percentile per-packet one-way delay: 116.685 ms
Loss rate: 2.86%

Run 4: Report of FillP-Sheep — Data Link

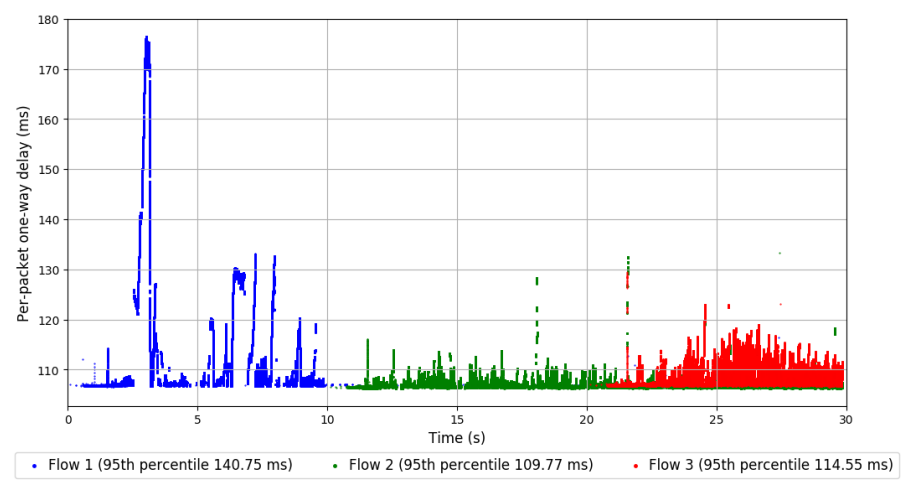
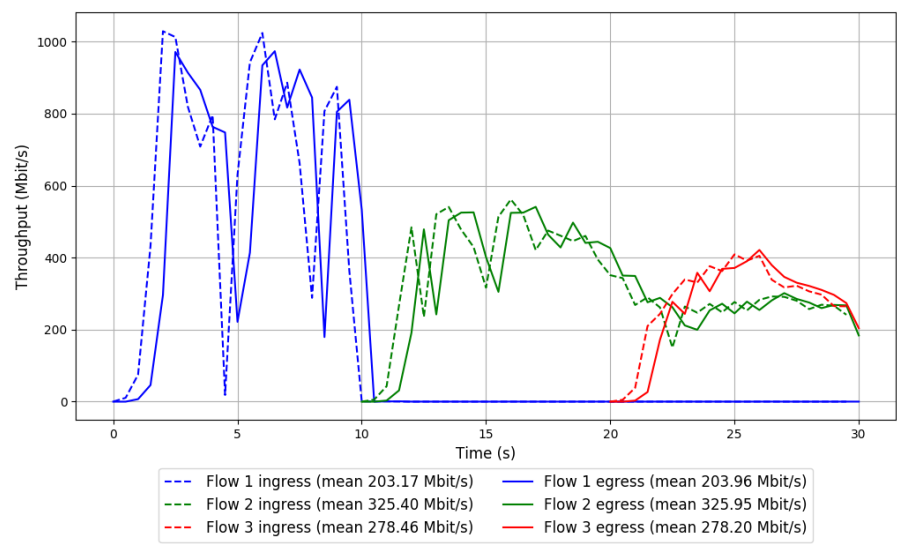


Run 5: Statistics of FillP-Sheep

Start at: 2019-08-27 00:33:32
End at: 2019-08-27 00:34:02
Local clock offset: -0.03 ms
Remote clock offset: 0.2 ms

```
# Below is generated by plot.py at 2019-08-27 01:52:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 510.52 Mbit/s
95th percentile per-packet one-way delay: 128.421 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 203.96 Mbit/s
95th percentile per-packet one-way delay: 140.748 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 325.95 Mbit/s
95th percentile per-packet one-way delay: 109.767 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 278.20 Mbit/s
95th percentile per-packet one-way delay: 114.547 ms
Loss rate: 2.21%
```

Run 5: Report of FillP-Sheep — Data Link

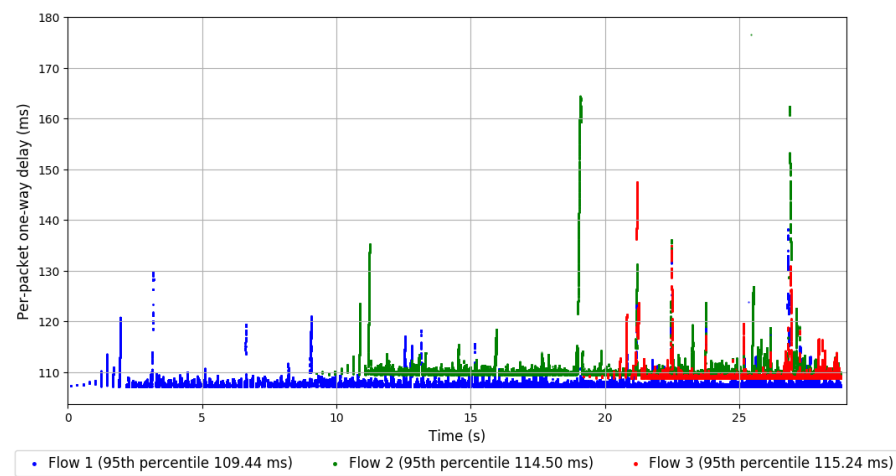
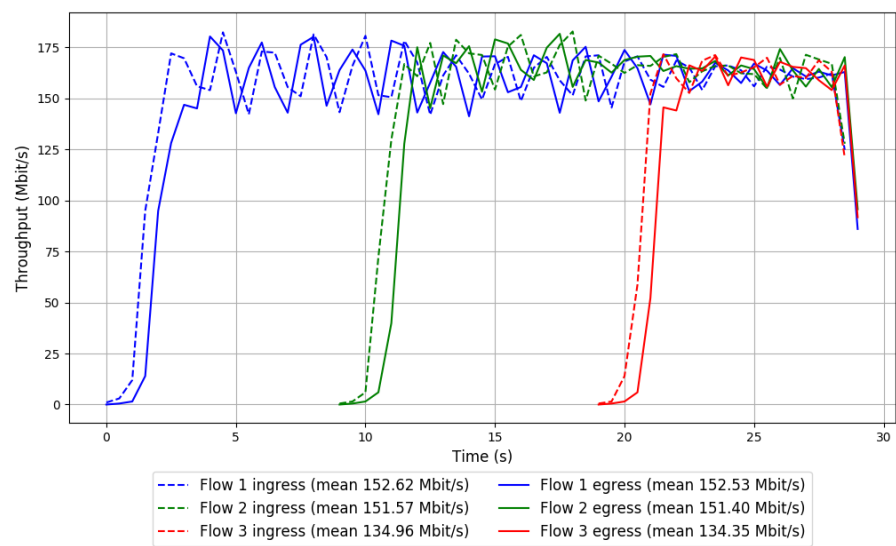


```
Run 1: Statistics of Indigo

Start at: 2019-08-26 21:17:31
End at: 2019-08-26 21:18:01
Local clock offset: 0.555 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2019-08-27 01:54:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 300.42 Mbit/s
95th percentile per-packet one-way delay: 112.396 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 152.53 Mbit/s
95th percentile per-packet one-way delay: 109.440 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 151.40 Mbit/s
95th percentile per-packet one-way delay: 114.503 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 134.35 Mbit/s
95th percentile per-packet one-way delay: 115.237 ms
Loss rate: 2.65%
```

Run 1: Report of Indigo — Data Link

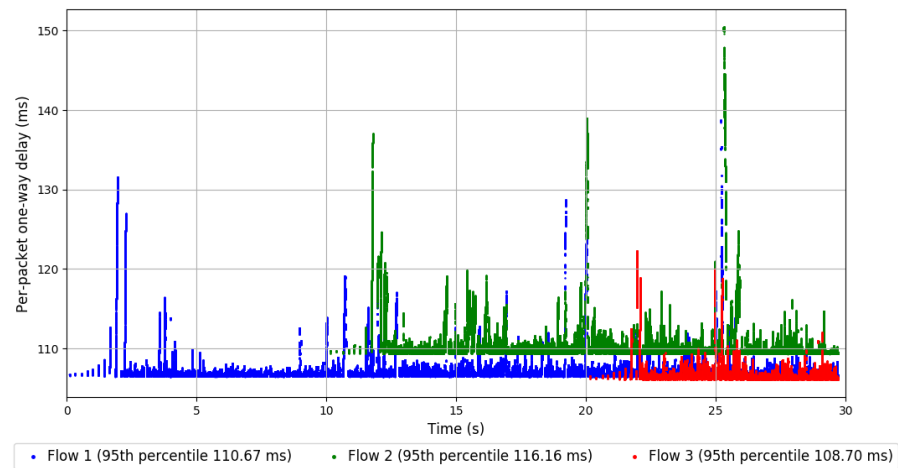
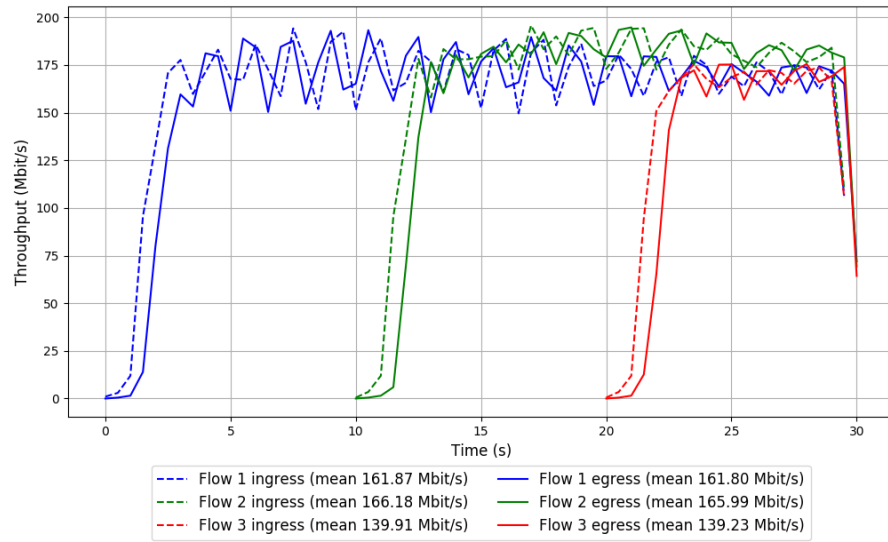


Run 2: Statistics of Indigo

Start at: 2019-08-26 22:01:02
End at: 2019-08-26 22:01:32
Local clock offset: -0.156 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-08-27 01:59:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.22 Mbit/s
95th percentile per-packet one-way delay: 113.345 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 161.80 Mbit/s
95th percentile per-packet one-way delay: 110.667 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 165.99 Mbit/s
95th percentile per-packet one-way delay: 116.161 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 139.23 Mbit/s
95th percentile per-packet one-way delay: 108.703 ms
Loss rate: 2.67%

Run 2: Report of Indigo — Data Link

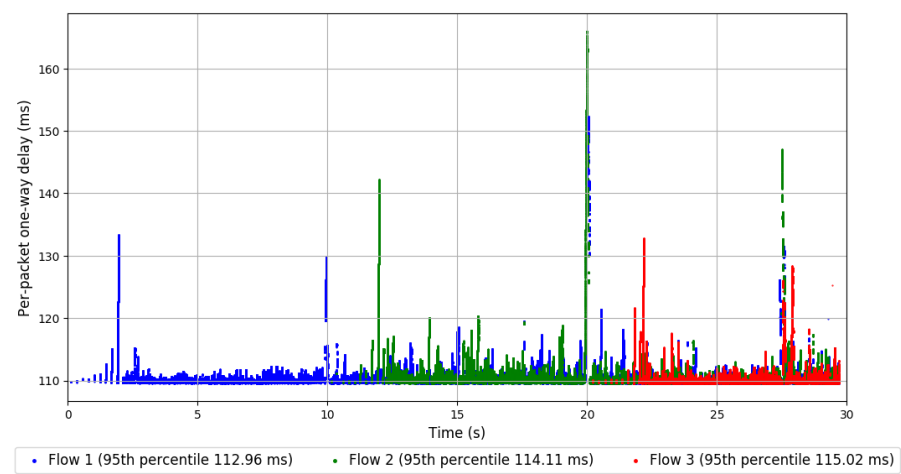
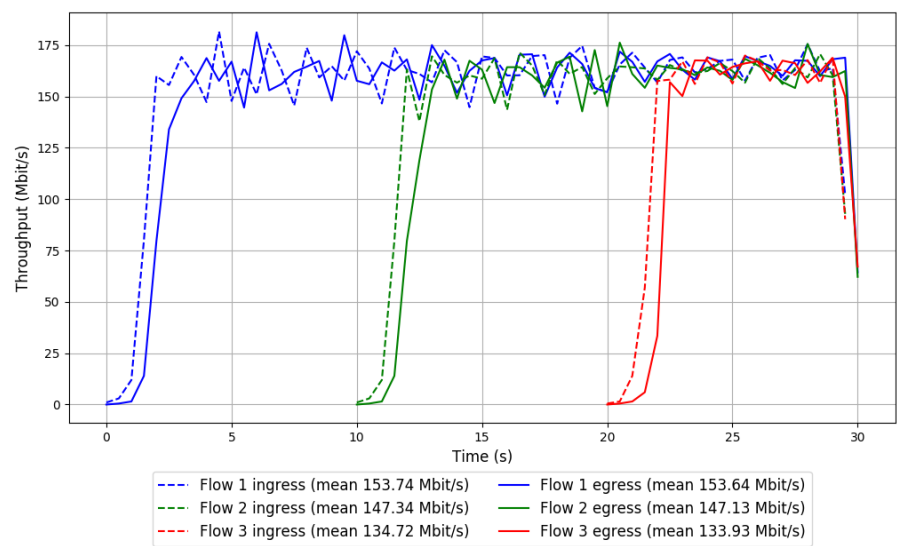


Run 3: Statistics of Indigo

Start at: 2019-08-26 22:44:36
End at: 2019-08-26 22:45:06
Local clock offset: -0.004 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2019-08-27 02:00:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 293.77 Mbit/s
95th percentile per-packet one-way delay: 113.608 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 153.64 Mbit/s
95th percentile per-packet one-way delay: 112.959 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 147.13 Mbit/s
95th percentile per-packet one-way delay: 114.108 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 133.93 Mbit/s
95th percentile per-packet one-way delay: 115.024 ms
Loss rate: 2.79%

Run 3: Report of Indigo — Data Link

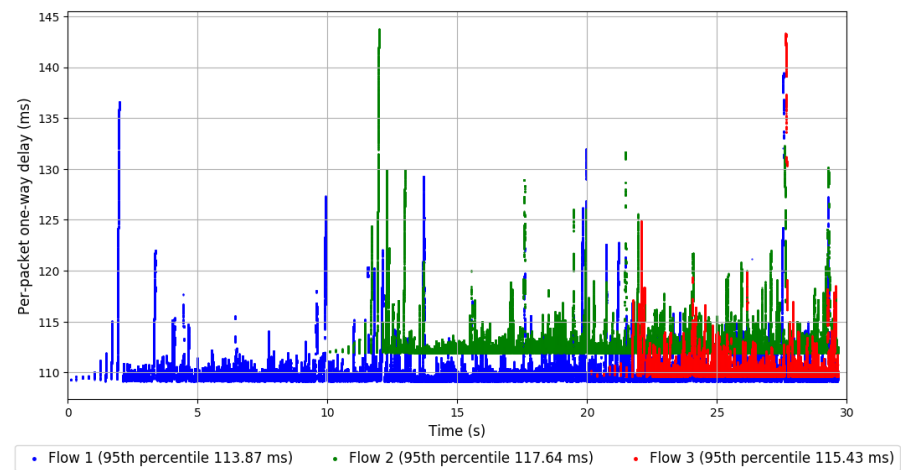
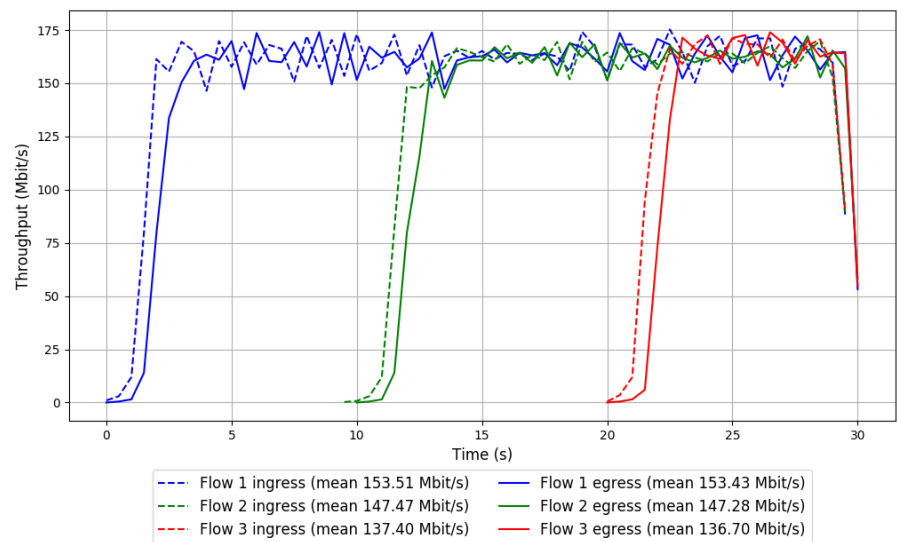


Run 4: Statistics of Indigo

Start at: 2019-08-26 23:28:09
End at: 2019-08-26 23:28:39
Local clock offset: -0.063 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2019-08-27 02:00:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 294.86 Mbit/s
95th percentile per-packet one-way delay: 115.763 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 153.43 Mbit/s
95th percentile per-packet one-way delay: 113.867 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 147.28 Mbit/s
95th percentile per-packet one-way delay: 117.636 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 136.70 Mbit/s
95th percentile per-packet one-way delay: 115.426 ms
Loss rate: 2.72%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-08-27 00:12:03

End at: 2019-08-27 00:12:33

Local clock offset: 1.46 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2019-08-27 02:02:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 314.34 Mbit/s

95th percentile per-packet one-way delay: 114.427 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 175.82 Mbit/s

95th percentile per-packet one-way delay: 113.515 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 147.51 Mbit/s

95th percentile per-packet one-way delay: 115.503 ms

Loss rate: 1.22%

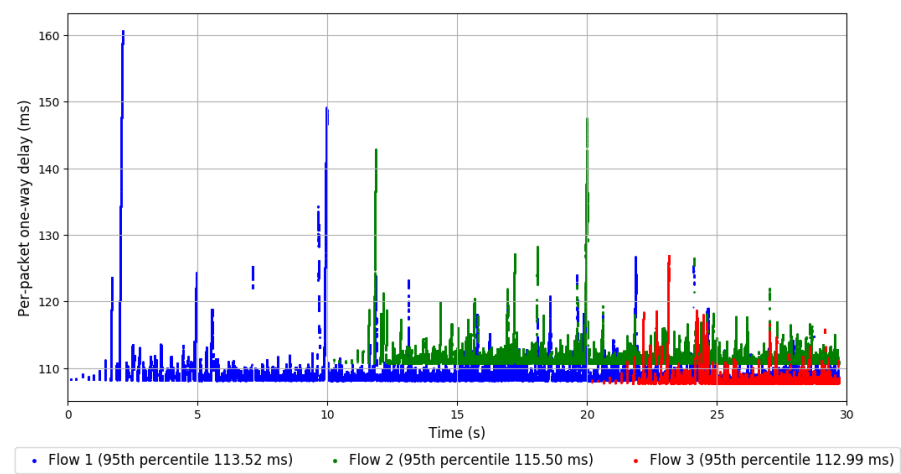
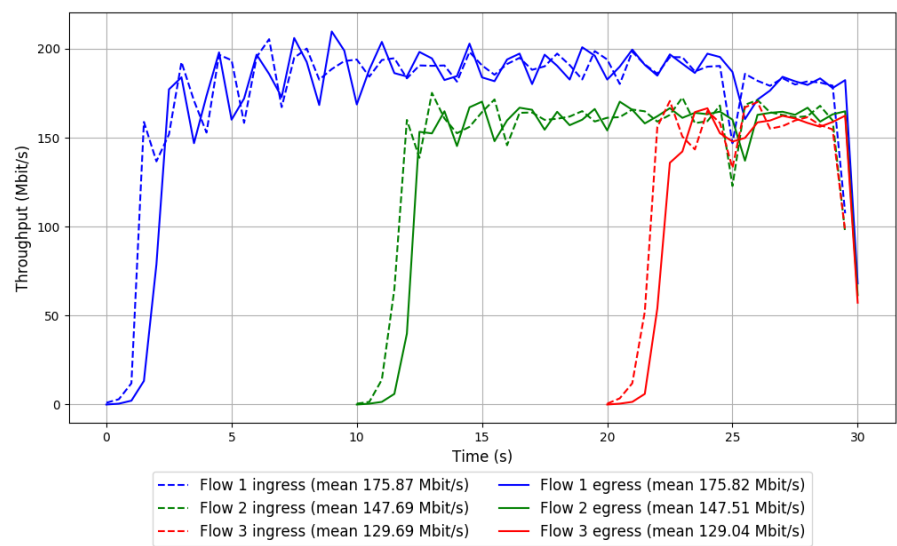
-- Flow 3:

Average throughput: 129.04 Mbit/s

95th percentile per-packet one-way delay: 112.989 ms

Loss rate: 2.72%

Run 5: Report of Indigo — Data Link

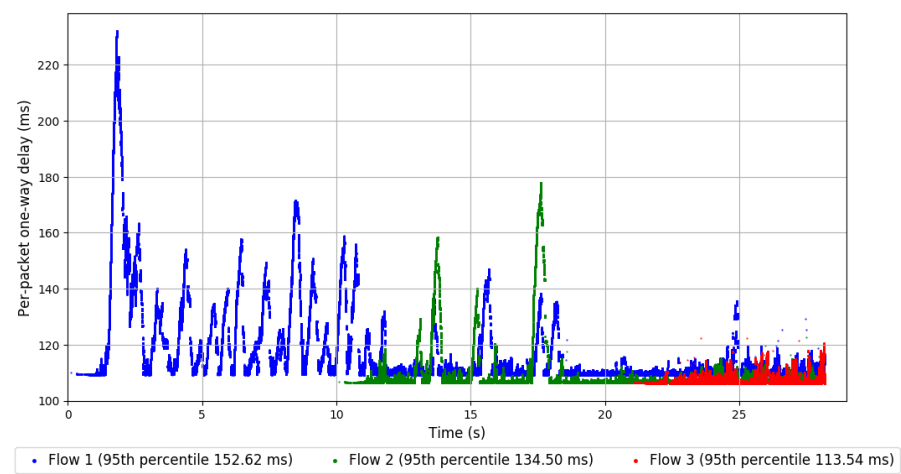
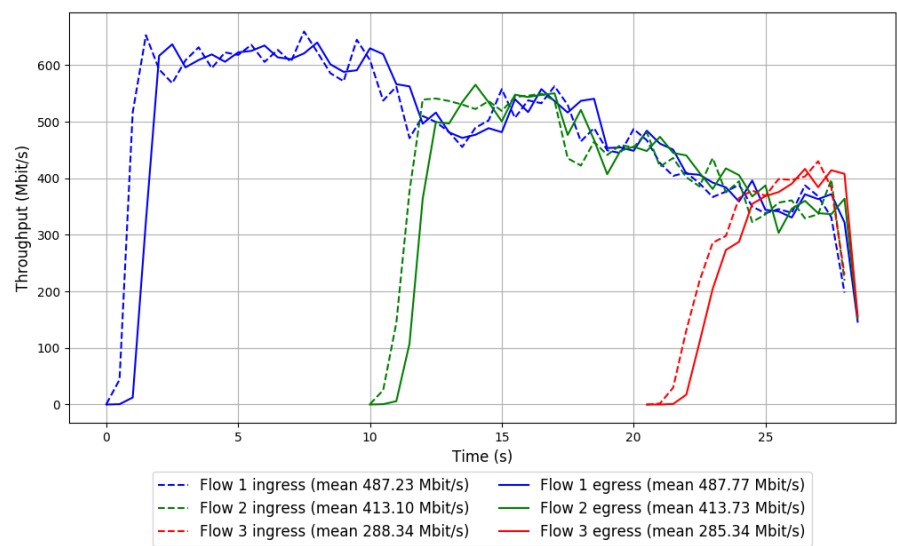


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-08-26 21:27:11
End at: 2019-08-26 21:27:41
Local clock offset: -0.431 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2019-08-27 02:06:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 828.13 Mbit/s
95th percentile per-packet one-way delay: 147.685 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 487.77 Mbit/s
95th percentile per-packet one-way delay: 152.615 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 413.73 Mbit/s
95th percentile per-packet one-way delay: 134.505 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 285.34 Mbit/s
95th percentile per-packet one-way delay: 113.540 ms
Loss rate: 3.66%

Run 1: Report of Indigo-MusesC3 — Data Link

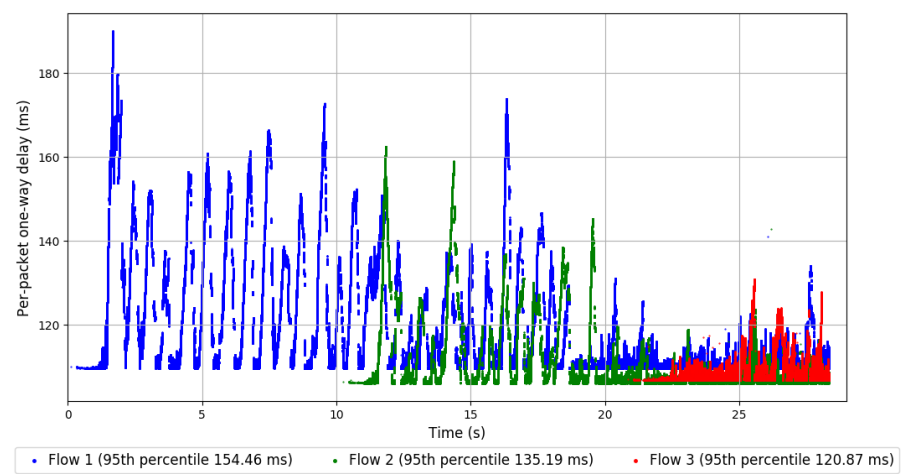
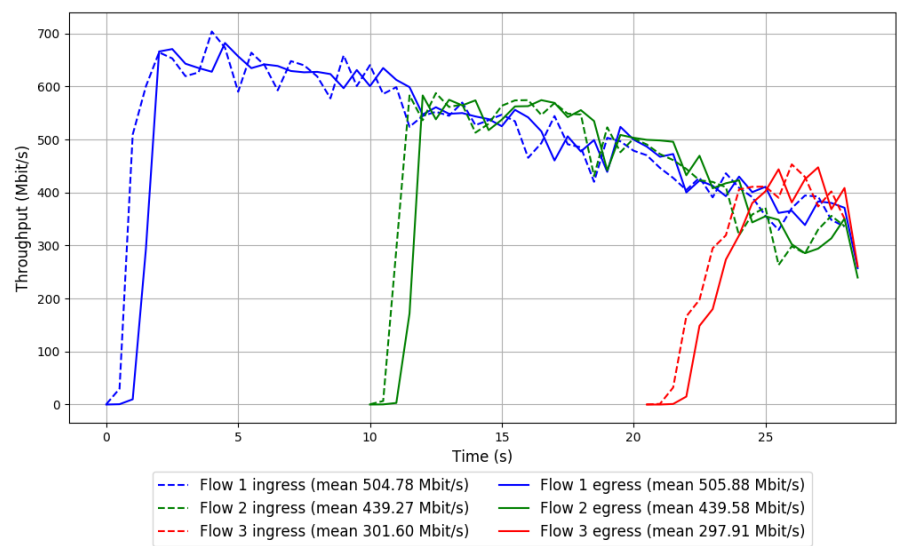


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-08-26 22:10:46
End at: 2019-08-26 22:11:16
Local clock offset: -0.009 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2019-08-27 02:07:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 866.25 Mbit/s
95th percentile per-packet one-way delay: 150.117 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 505.88 Mbit/s
95th percentile per-packet one-way delay: 154.462 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 439.58 Mbit/s
95th percentile per-packet one-way delay: 135.195 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 297.91 Mbit/s
95th percentile per-packet one-way delay: 120.866 ms
Loss rate: 3.95%

Run 2: Report of Indigo-MusesC3 — Data Link

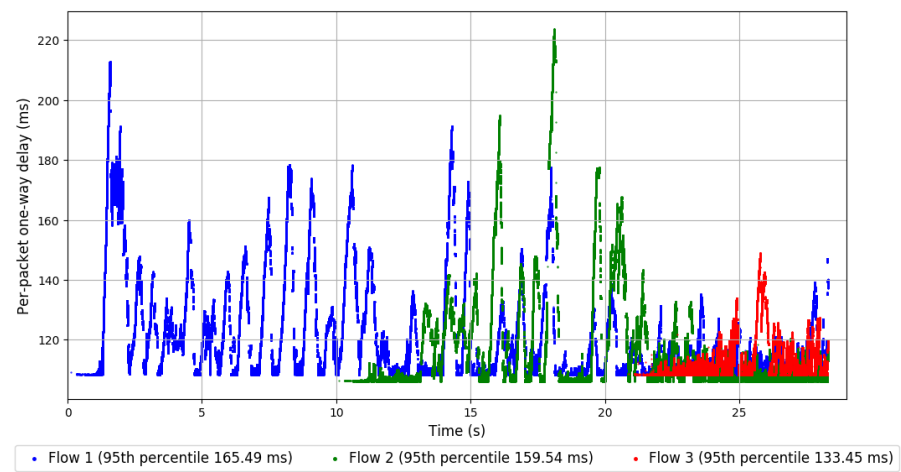
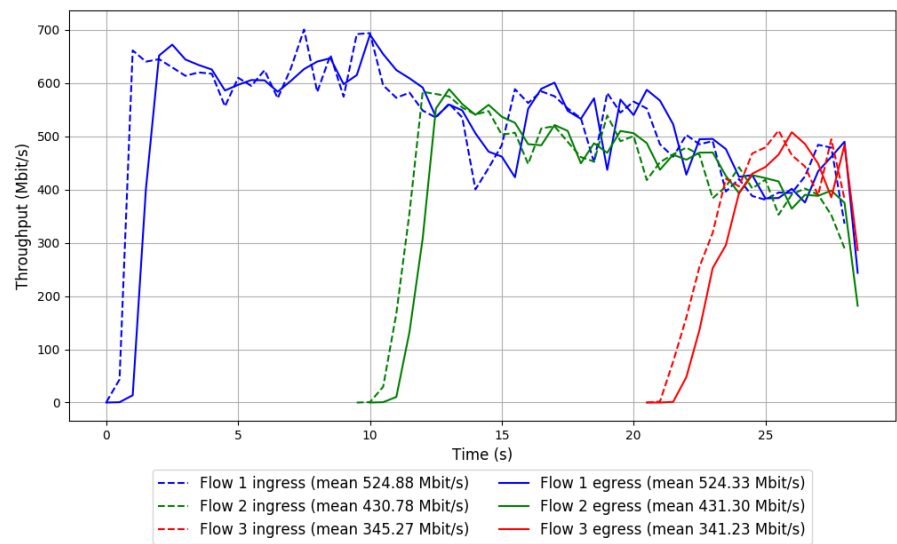


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-08-26 22:54:23
End at: 2019-08-26 22:54:53
Local clock offset: -0.632 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2019-08-27 02:08:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 892.60 Mbit/s
95th percentile per-packet one-way delay: 162.647 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 524.33 Mbit/s
95th percentile per-packet one-way delay: 165.493 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 431.30 Mbit/s
95th percentile per-packet one-way delay: 159.544 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 341.23 Mbit/s
95th percentile per-packet one-way delay: 133.453 ms
Loss rate: 3.95%

Run 3: Report of Indigo-MusesC3 — Data Link

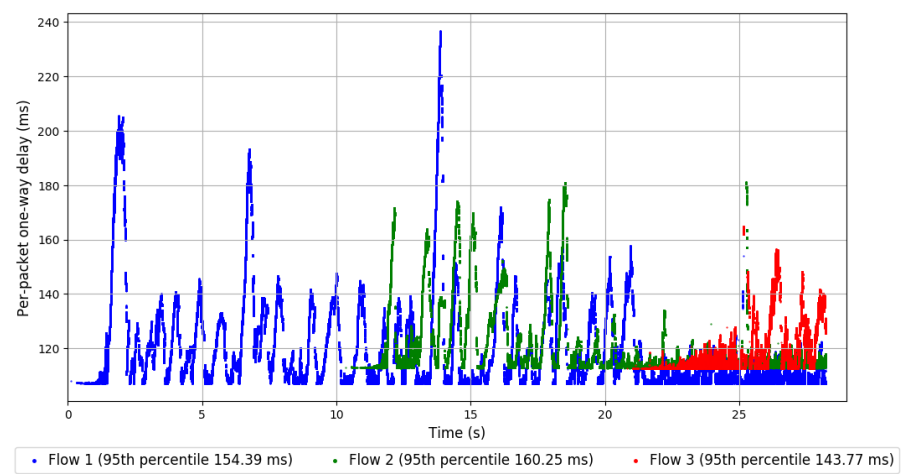
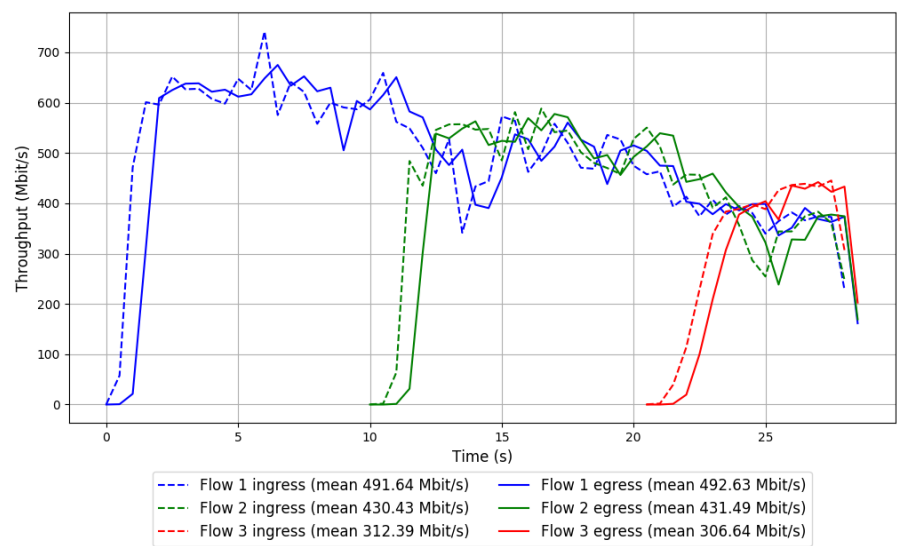


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-08-26 23:38:00
End at: 2019-08-26 23:38:30
Local clock offset: -0.043 ms
Remote clock offset: -0.523 ms

Below is generated by plot.py at 2019-08-27 02:10:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 847.91 Mbit/s
95th percentile per-packet one-way delay: 156.167 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 492.63 Mbit/s
95th percentile per-packet one-way delay: 154.389 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 431.49 Mbit/s
95th percentile per-packet one-way delay: 160.245 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 306.64 Mbit/s
95th percentile per-packet one-way delay: 143.769 ms
Loss rate: 4.70%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-08-27 00:21:50

End at: 2019-08-27 00:22:20

Local clock offset: -0.022 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2019-08-27 02:16:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 819.63 Mbit/s

95th percentile per-packet one-way delay: 152.505 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 488.73 Mbit/s

95th percentile per-packet one-way delay: 145.501 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 398.82 Mbit/s

95th percentile per-packet one-way delay: 161.820 ms

Loss rate: 1.27%

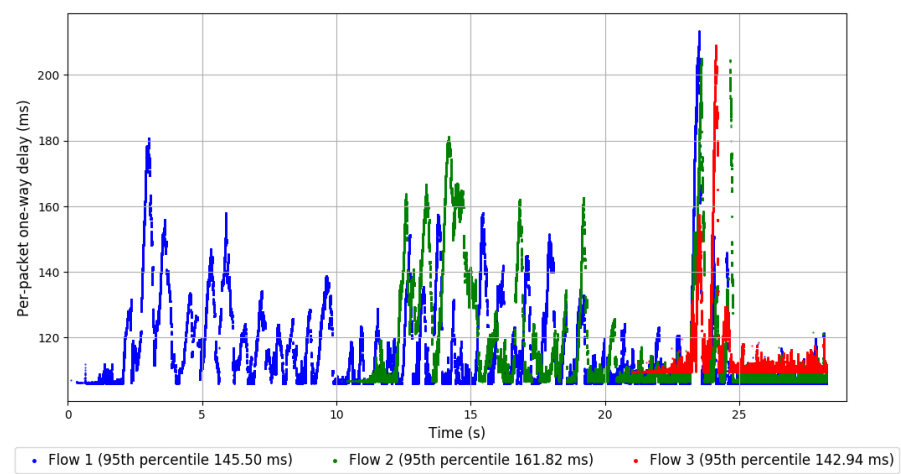
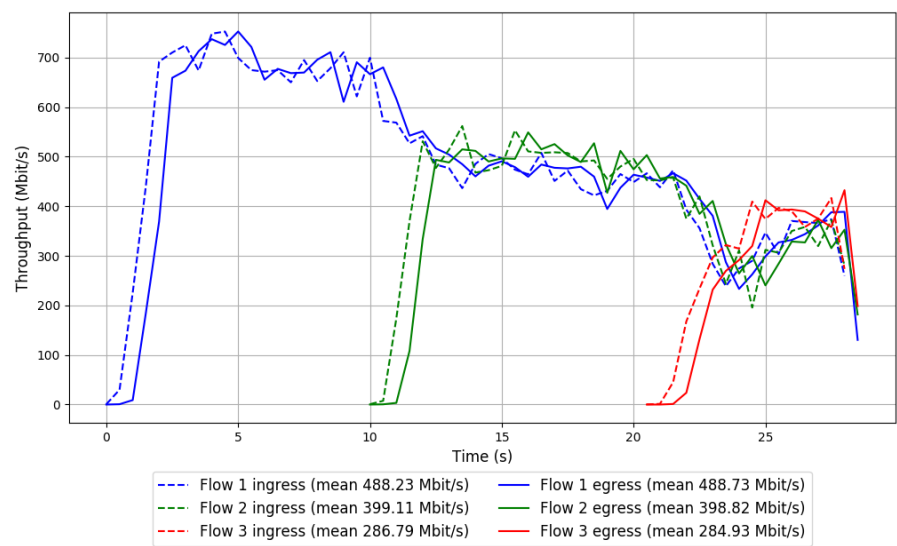
-- Flow 3:

Average throughput: 284.93 Mbit/s

95th percentile per-packet one-way delay: 142.938 ms

Loss rate: 3.55%

Run 5: Report of Indigo-MusesC3 — Data Link

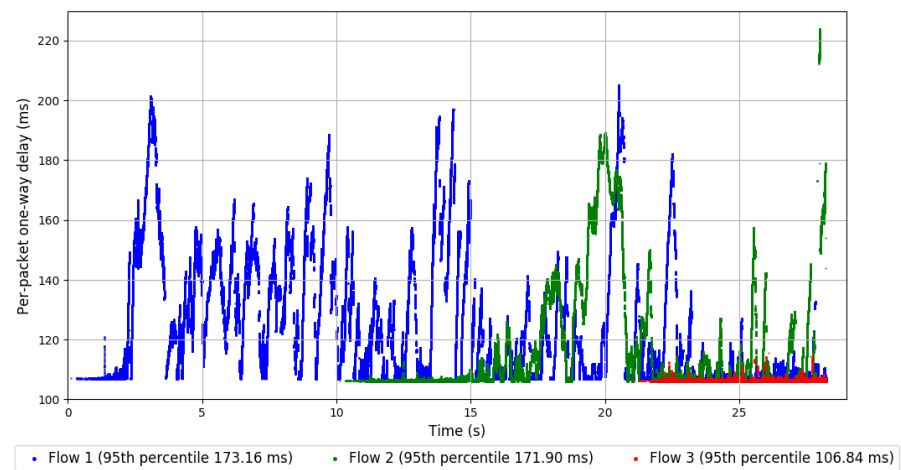
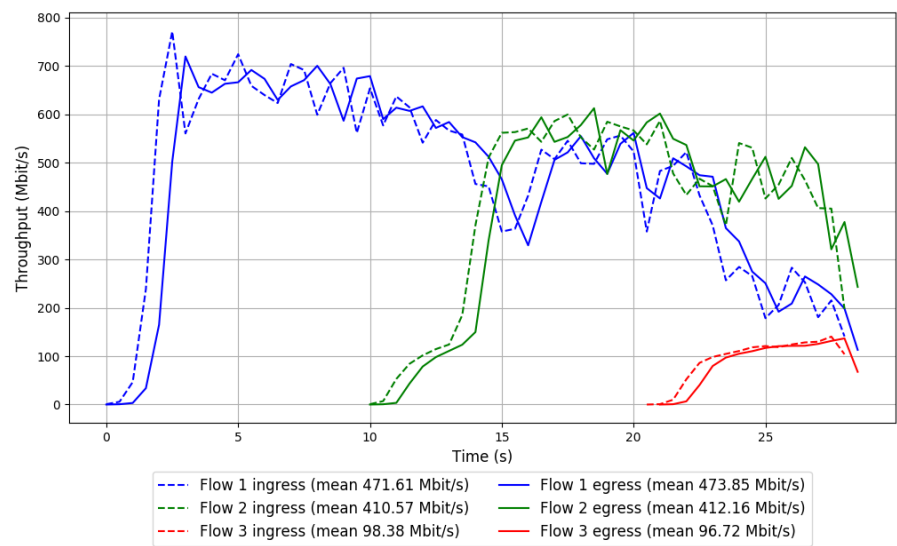


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-08-26 21:37:06
End at: 2019-08-26 21:37:36
Local clock offset: 0.148 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2019-08-27 02:16:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 763.25 Mbit/s
95th percentile per-packet one-way delay: 171.915 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 473.85 Mbit/s
95th percentile per-packet one-way delay: 173.158 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 412.16 Mbit/s
95th percentile per-packet one-way delay: 171.896 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 106.837 ms
Loss rate: 4.56%

Run 1: Report of Indigo-MusesC5 — Data Link

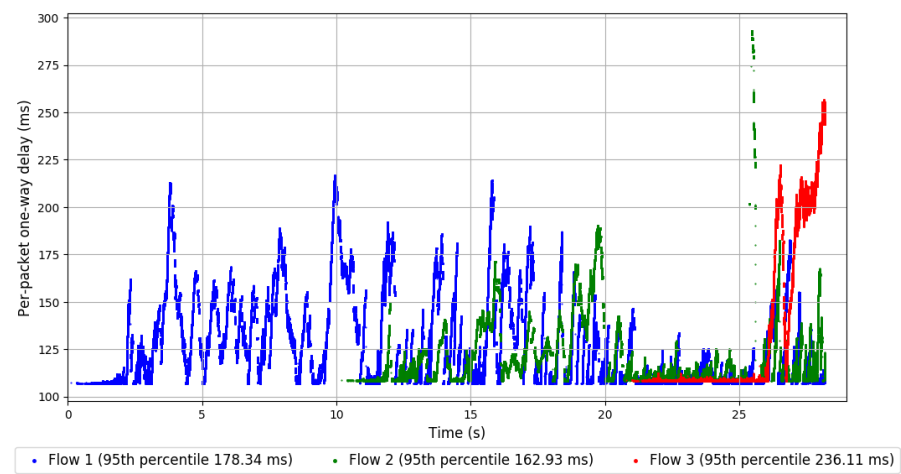
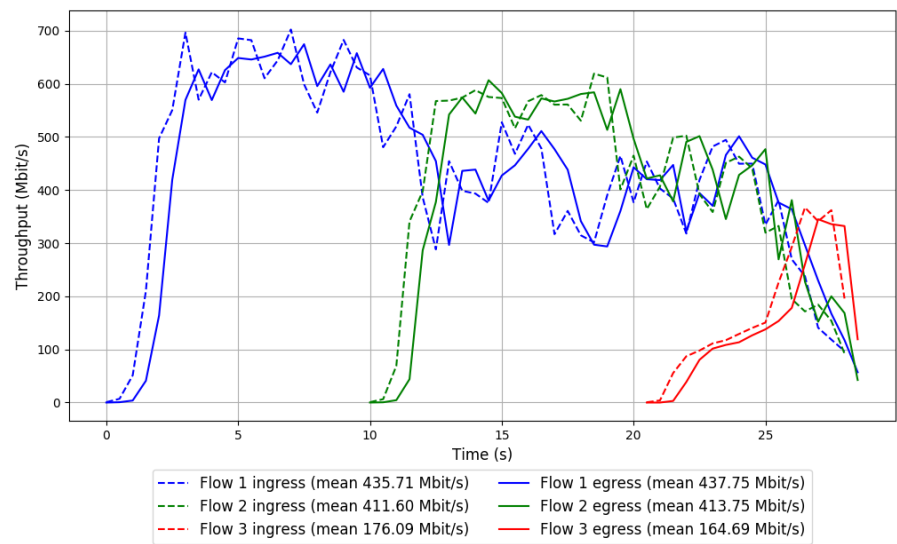


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-08-26 22:20:49
End at: 2019-08-26 22:21:19
Local clock offset: 0.022 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-08-27 02:16:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 746.44 Mbit/s
95th percentile per-packet one-way delay: 182.914 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 437.75 Mbit/s
95th percentile per-packet one-way delay: 178.344 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 413.75 Mbit/s
95th percentile per-packet one-way delay: 162.929 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 164.69 Mbit/s
95th percentile per-packet one-way delay: 236.108 ms
Loss rate: 9.14%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-08-26 23:04:25

End at: 2019-08-26 23:04:55

Local clock offset: -0.206 ms

Remote clock offset: 0.23 ms

Below is generated by plot.py at 2019-08-27 02:16:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 744.02 Mbit/s

95th percentile per-packet one-way delay: 205.819 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 481.09 Mbit/s

95th percentile per-packet one-way delay: 181.605 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 368.81 Mbit/s

95th percentile per-packet one-way delay: 222.029 ms

Loss rate: 2.01%

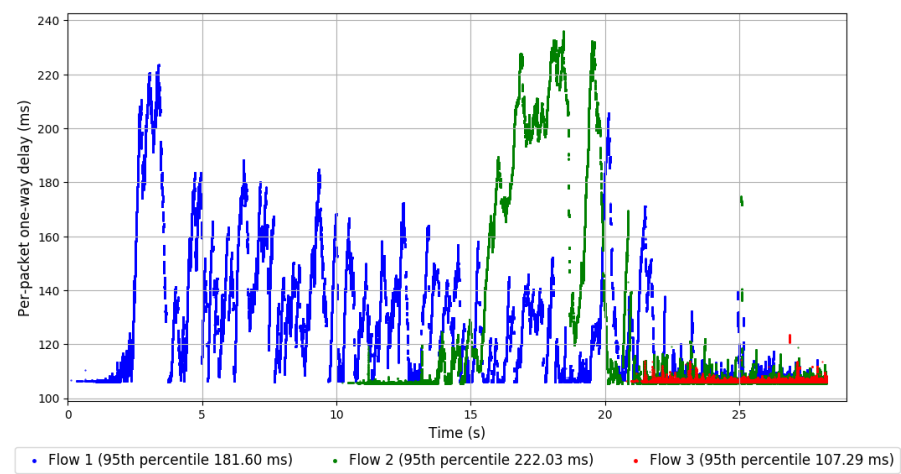
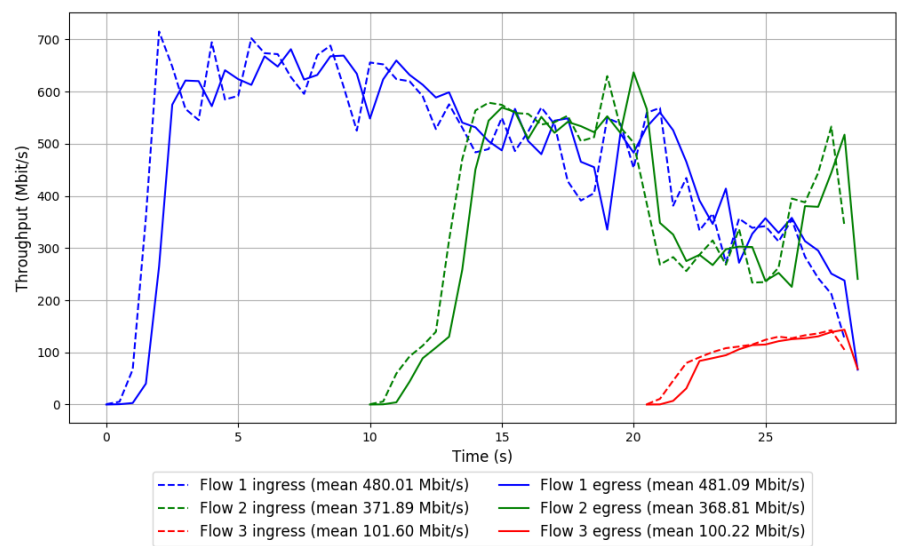
-- Flow 3:

Average throughput: 100.22 Mbit/s

95th percentile per-packet one-way delay: 107.294 ms

Loss rate: 4.14%

Run 3: Report of Indigo-MusesC5 — Data Link

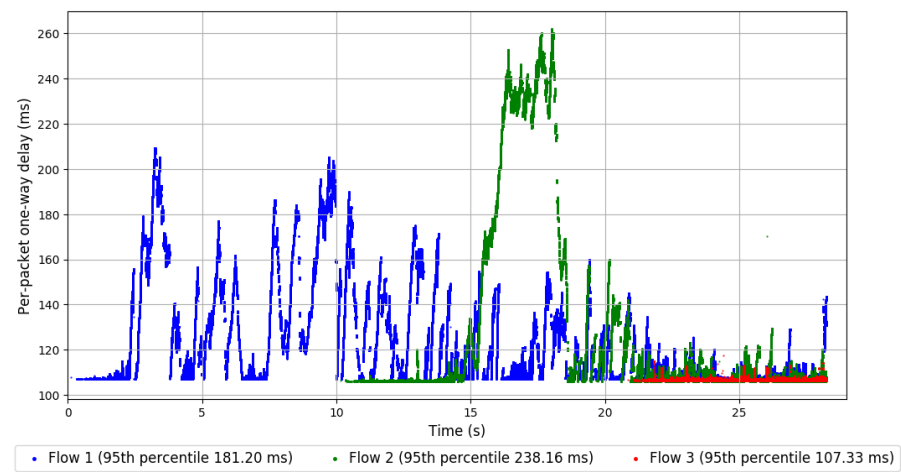
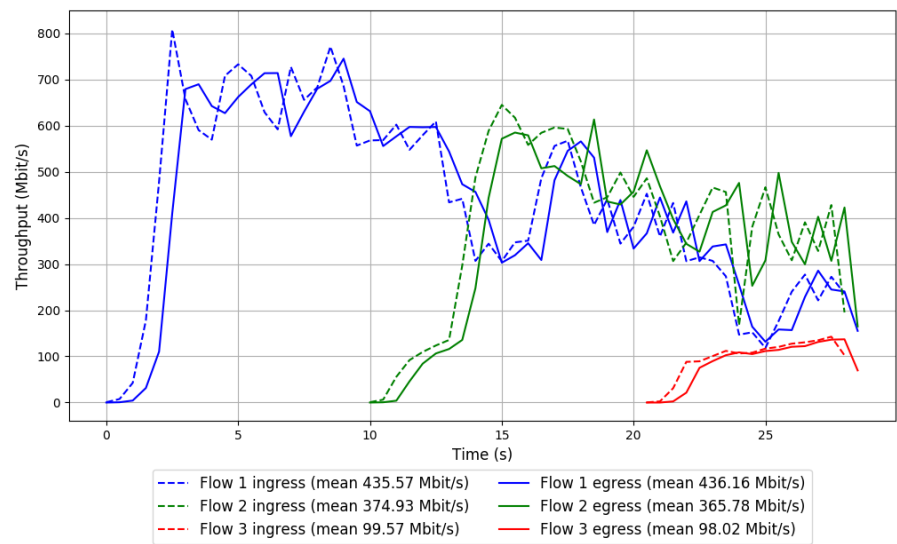


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-08-26 23:48:00
End at: 2019-08-26 23:48:30
Local clock offset: -0.086 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2019-08-27 02:20:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 697.20 Mbit/s
95th percentile per-packet one-way delay: 219.118 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 436.16 Mbit/s
95th percentile per-packet one-way delay: 181.203 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 365.78 Mbit/s
95th percentile per-packet one-way delay: 238.164 ms
Loss rate: 3.59%
-- Flow 3:
Average throughput: 98.02 Mbit/s
95th percentile per-packet one-way delay: 107.331 ms
Loss rate: 4.34%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-08-27 00:31:46

End at: 2019-08-27 00:32:16

Local clock offset: 0.004 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2019-08-27 02:20:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 501.61 Mbit/s

95th percentile per-packet one-way delay: 200.904 ms

Loss rate: 2.01%

-- Flow 1:

Average throughput: 361.89 Mbit/s

95th percentile per-packet one-way delay: 203.473 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 164.12 Mbit/s

95th percentile per-packet one-way delay: 151.950 ms

Loss rate: 3.15%

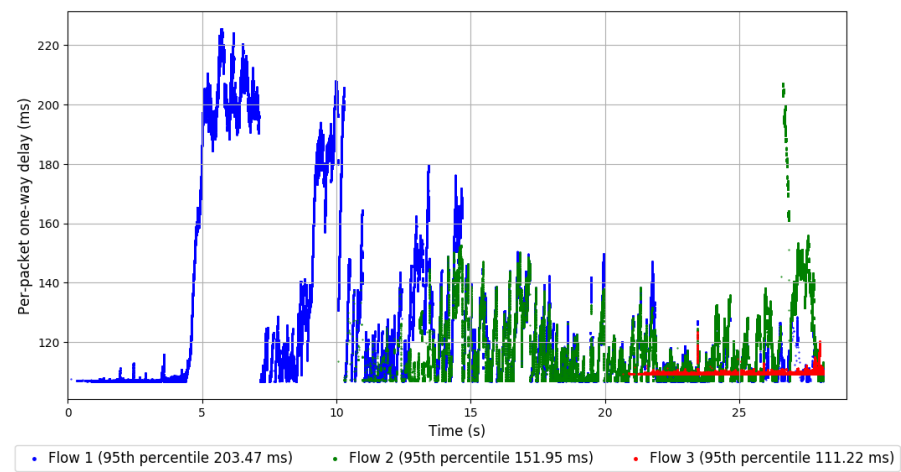
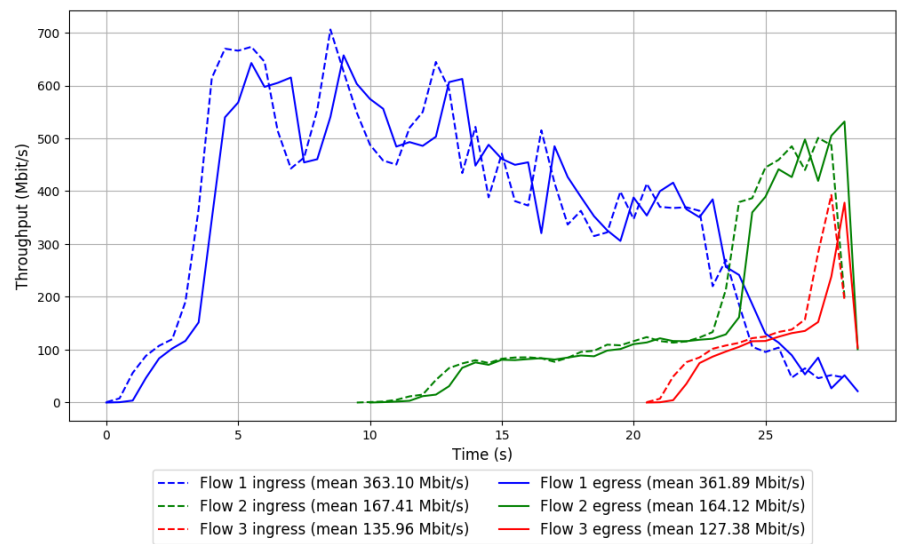
-- Flow 3:

Average throughput: 127.38 Mbit/s

95th percentile per-packet one-way delay: 111.219 ms

Loss rate: 8.97%

Run 5: Report of Indigo-MusesC5 — Data Link

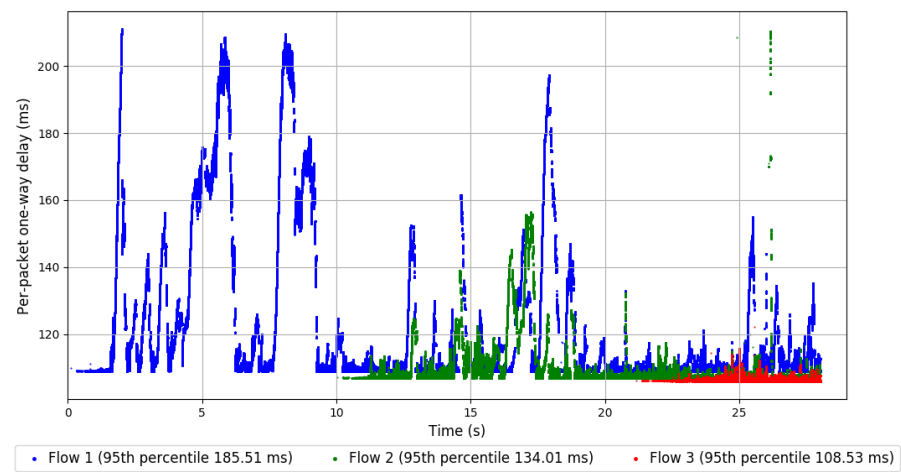
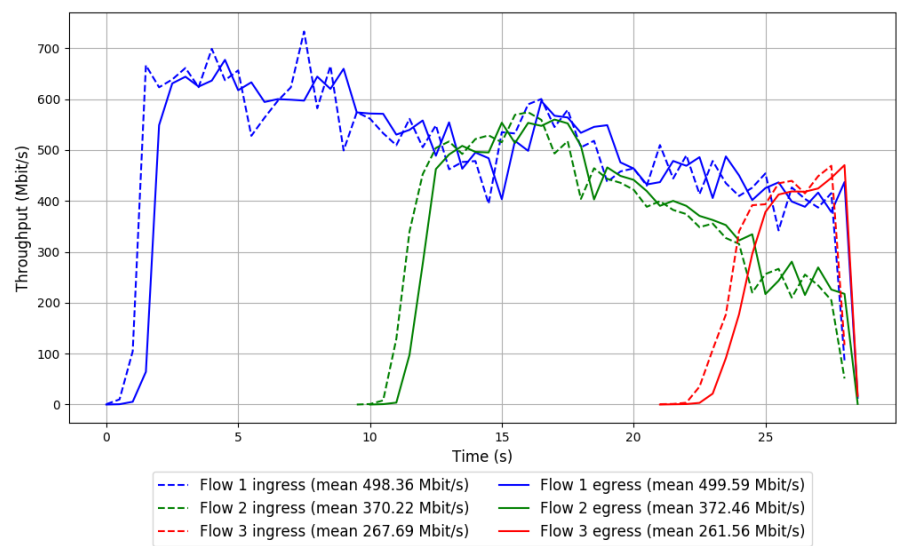


Run 1: Statistics of Indigo-MusesD

Start at: 2019-08-26 21:08:07
End at: 2019-08-26 21:08:37
Local clock offset: 0.06 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2019-08-27 02:23:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 803.61 Mbit/s
95th percentile per-packet one-way delay: 171.907 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 499.59 Mbit/s
95th percentile per-packet one-way delay: 185.506 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 372.46 Mbit/s
95th percentile per-packet one-way delay: 134.010 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 261.56 Mbit/s
95th percentile per-packet one-way delay: 108.535 ms
Loss rate: 5.27%

Run 1: Report of Indigo-MusesD — Data Link

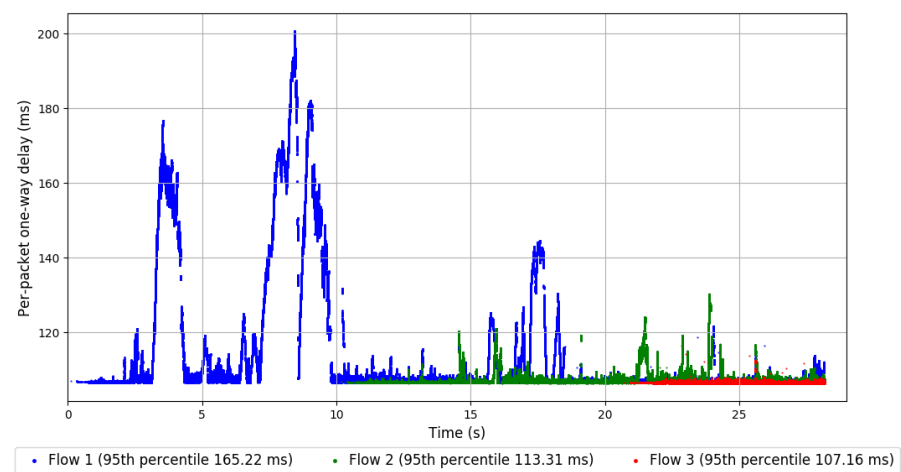
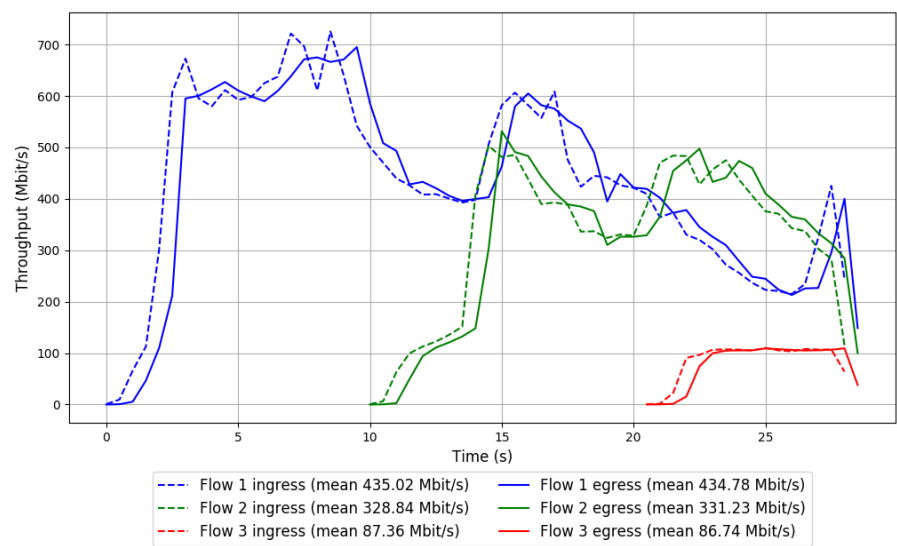


Run 2: Statistics of Indigo-MusesD

Start at: 2019-08-26 21:51:43
End at: 2019-08-26 21:52:13
Local clock offset: -0.174 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2019-08-27 02:23:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 670.09 Mbit/s
95th percentile per-packet one-way delay: 160.136 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 434.78 Mbit/s
95th percentile per-packet one-way delay: 165.215 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 331.23 Mbit/s
95th percentile per-packet one-way delay: 113.305 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 107.155 ms
Loss rate: 3.56%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-08-26 22:35:02

End at: 2019-08-26 22:35:32

Local clock offset: 0.11 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2019-08-27 02:30:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 802.53 Mbit/s

95th percentile per-packet one-way delay: 192.307 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 509.43 Mbit/s

95th percentile per-packet one-way delay: 194.918 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 411.36 Mbit/s

95th percentile per-packet one-way delay: 190.042 ms

Loss rate: 1.54%

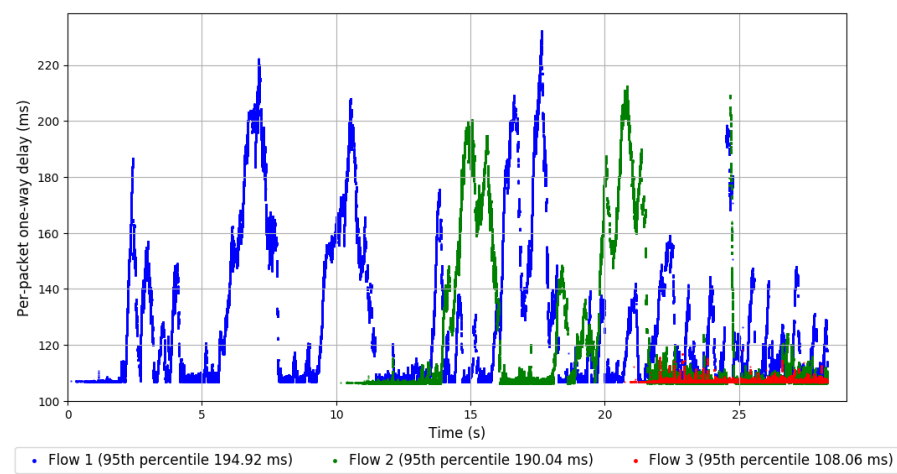
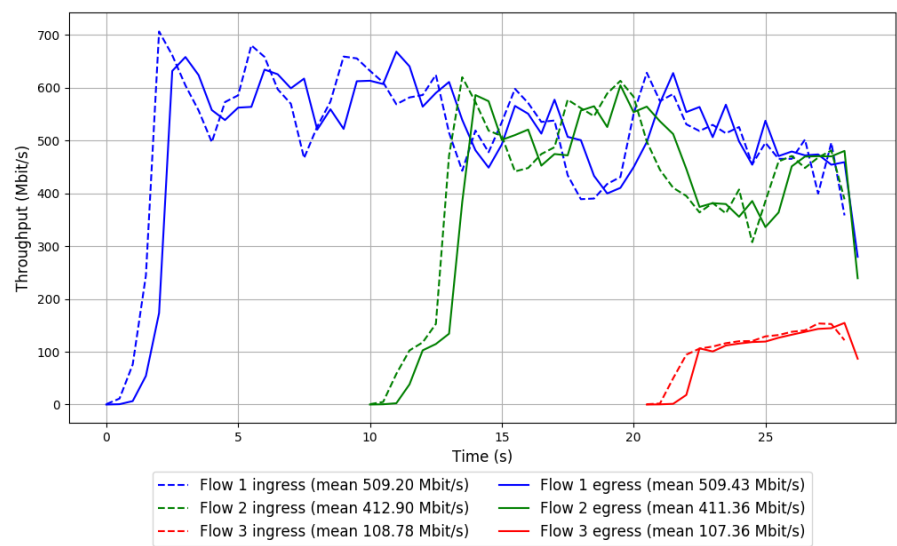
-- Flow 3:

Average throughput: 107.36 Mbit/s

95th percentile per-packet one-way delay: 108.056 ms

Loss rate: 4.05%

Run 3: Report of Indigo-MusesD — Data Link

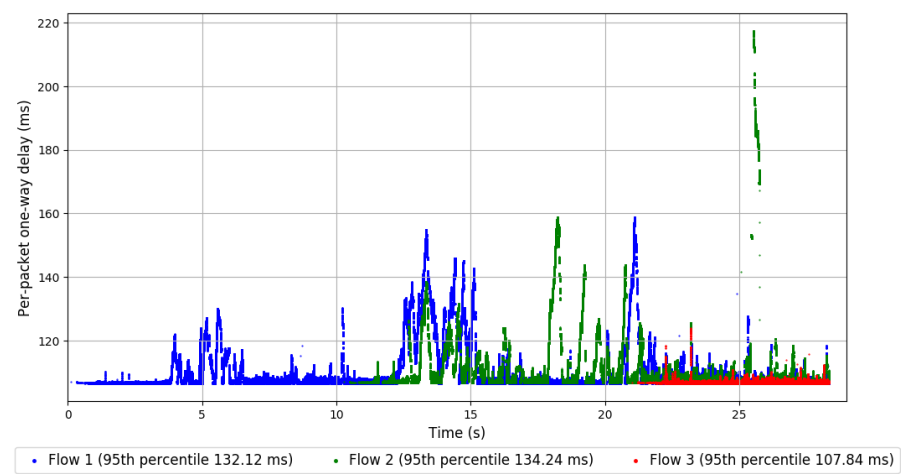
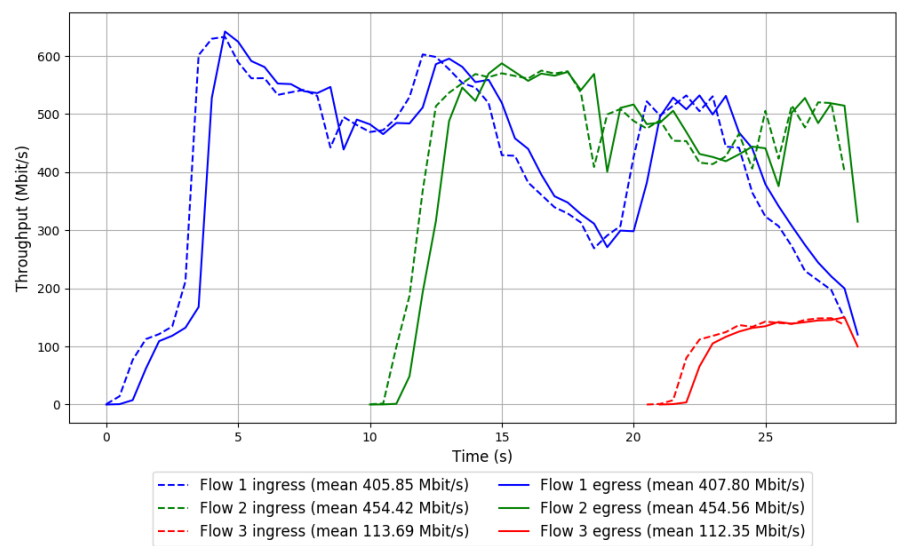


Run 4: Statistics of Indigo-MusesD

Start at: 2019-08-26 23:18:46
End at: 2019-08-26 23:19:16
Local clock offset: 0.013 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2019-08-27 02:30:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 727.80 Mbit/s
95th percentile per-packet one-way delay: 132.236 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 407.80 Mbit/s
95th percentile per-packet one-way delay: 132.125 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 454.56 Mbit/s
95th percentile per-packet one-way delay: 134.241 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 112.35 Mbit/s
95th percentile per-packet one-way delay: 107.840 ms
Loss rate: 3.99%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-08-27 00:02:35

End at: 2019-08-27 00:03:05

Local clock offset: -0.663 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2019-08-27 02:30:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 700.69 Mbit/s

95th percentile per-packet one-way delay: 172.896 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 403.66 Mbit/s

95th percentile per-packet one-way delay: 183.532 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 429.19 Mbit/s

95th percentile per-packet one-way delay: 146.693 ms

Loss rate: 1.41%

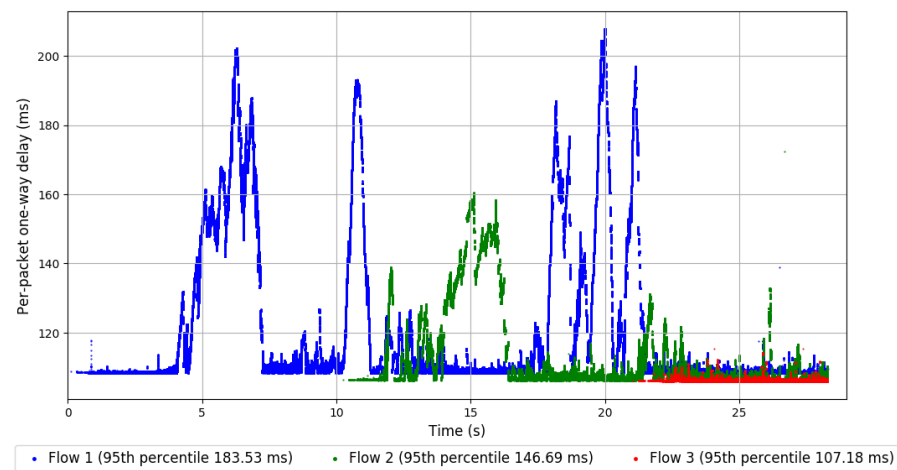
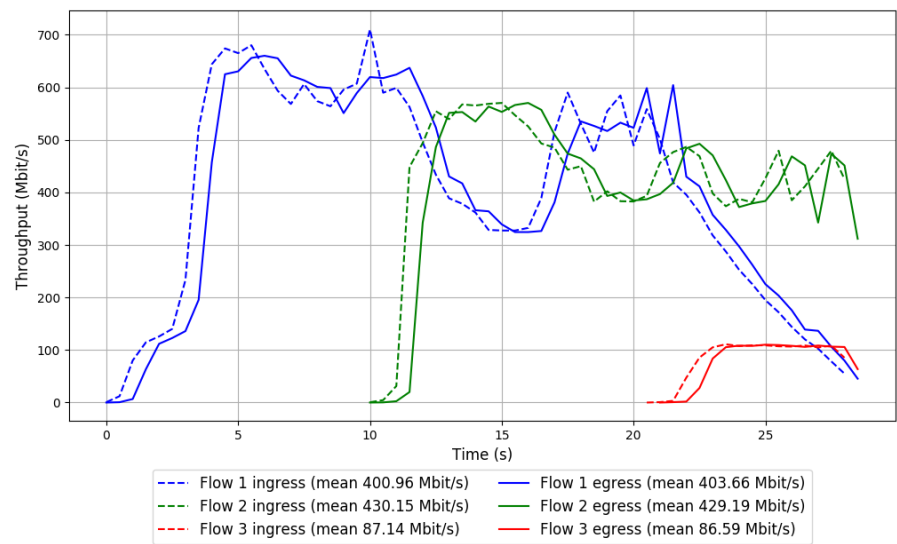
-- Flow 3:

Average throughput: 86.59 Mbit/s

95th percentile per-packet one-way delay: 107.176 ms

Loss rate: 3.54%

Run 5: Report of Indigo-MusesD — Data Link

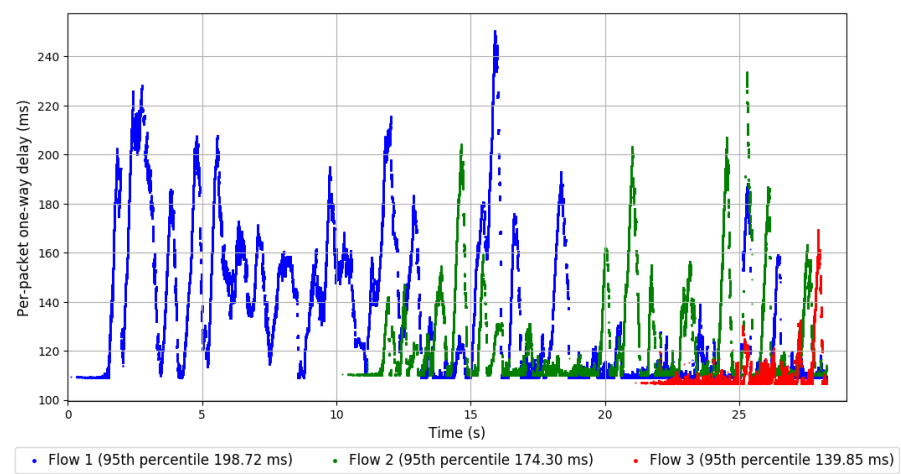
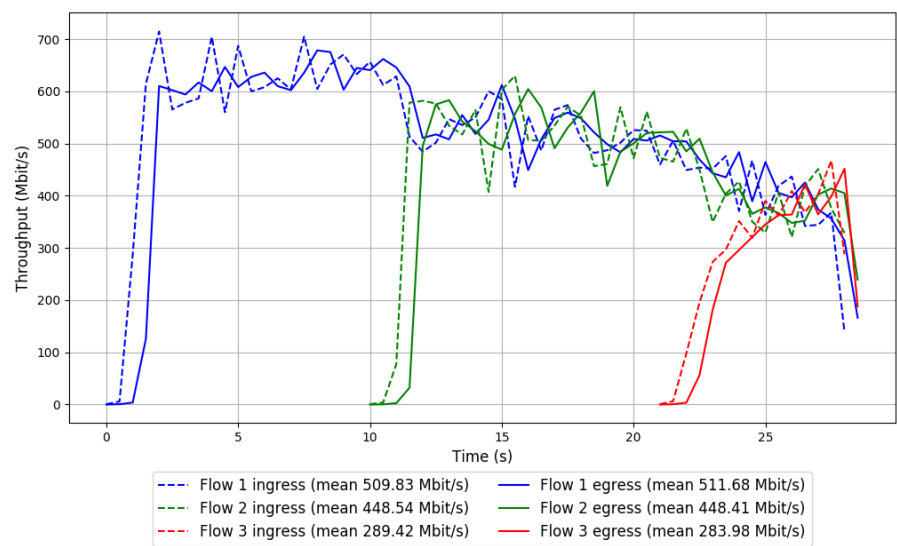


```
Run 1: Statistics of Indigo-MusesT

Start at: 2019-08-26 21:15:28
End at: 2019-08-26 21:15:58
Local clock offset: 0.135 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2019-08-27 02:33:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 870.35 Mbit/s
95th percentile per-packet one-way delay: 189.955 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 511.68 Mbit/s
95th percentile per-packet one-way delay: 198.725 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 448.41 Mbit/s
95th percentile per-packet one-way delay: 174.303 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 283.98 Mbit/s
95th percentile per-packet one-way delay: 139.847 ms
Loss rate: 4.76%
```

Run 1: Report of Indigo-MusesT — Data Link

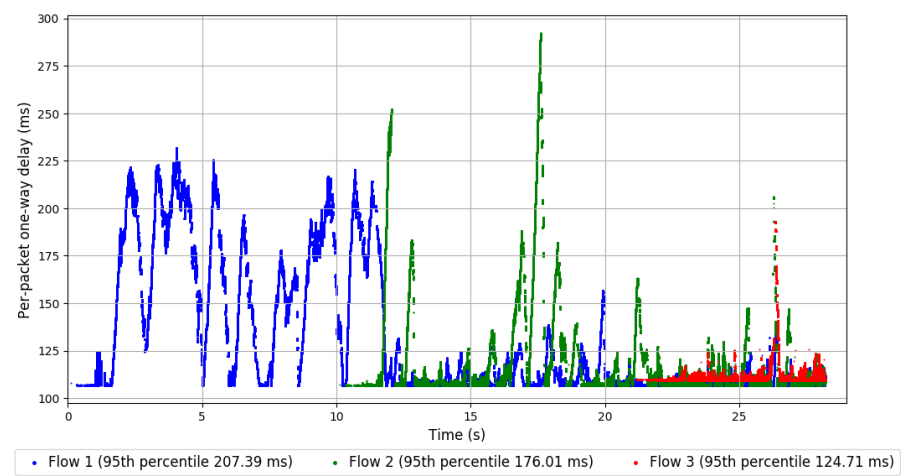
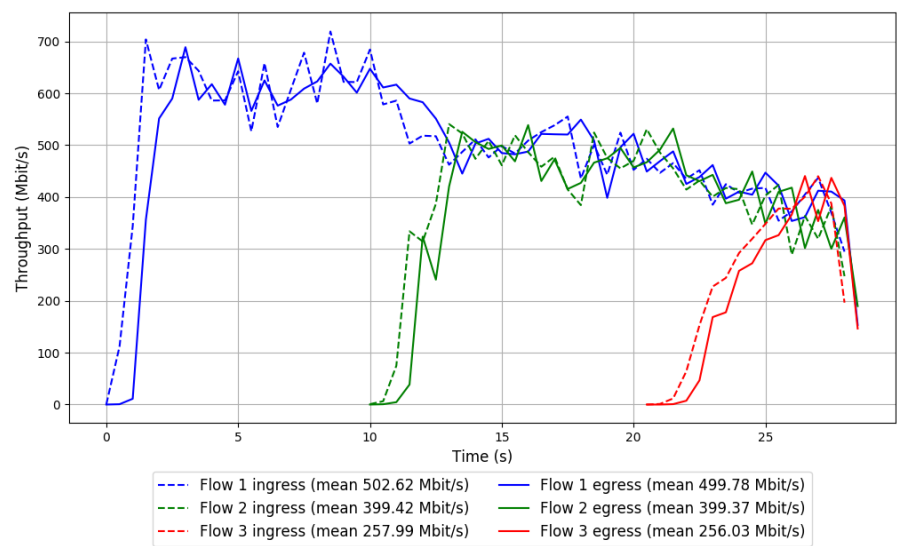


Run 2: Statistics of Indigo-MusesT

Start at: 2019-08-26 21:59:00
End at: 2019-08-26 21:59:30
Local clock offset: -0.051 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2019-08-27 02:33:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 822.65 Mbit/s
95th percentile per-packet one-way delay: 203.580 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 499.78 Mbit/s
95th percentile per-packet one-way delay: 207.393 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 399.37 Mbit/s
95th percentile per-packet one-way delay: 176.011 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 256.03 Mbit/s
95th percentile per-packet one-way delay: 124.712 ms
Loss rate: 3.65%

Run 2: Report of Indigo-MusesT — Data Link

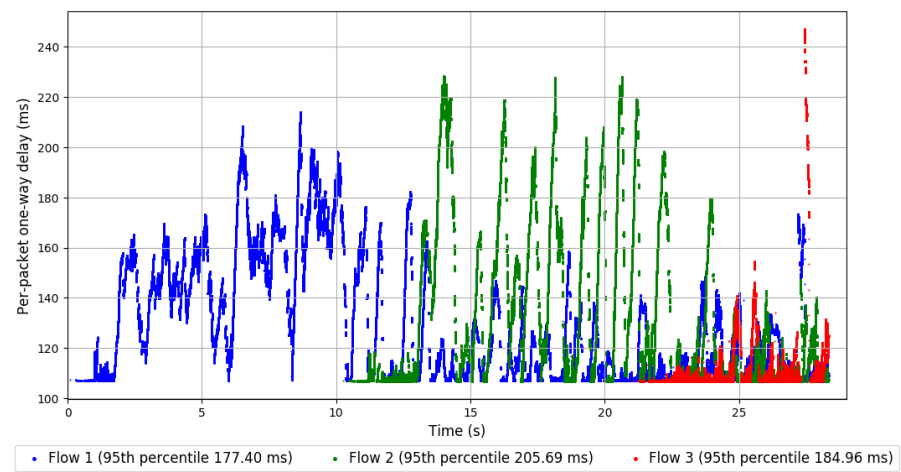
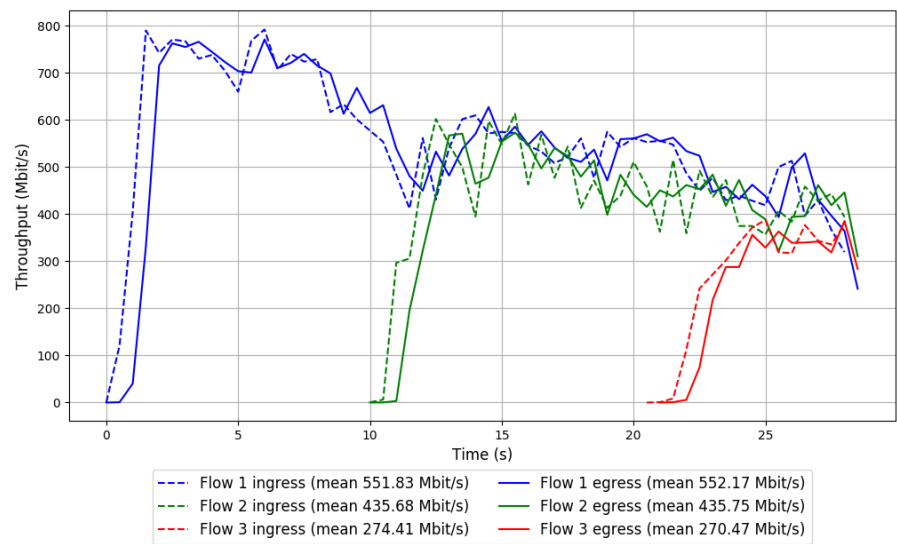


Run 3: Statistics of Indigo-MusesT

Start at: 2019-08-26 22:42:31
End at: 2019-08-26 22:43:01
Local clock offset: 0.037 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-08-27 02:37:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 900.74 Mbit/s
95th percentile per-packet one-way delay: 189.117 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 552.17 Mbit/s
95th percentile per-packet one-way delay: 177.401 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 435.75 Mbit/s
95th percentile per-packet one-way delay: 205.695 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 270.47 Mbit/s
95th percentile per-packet one-way delay: 184.964 ms
Loss rate: 4.22%

Run 3: Report of Indigo-MusesT — Data Link

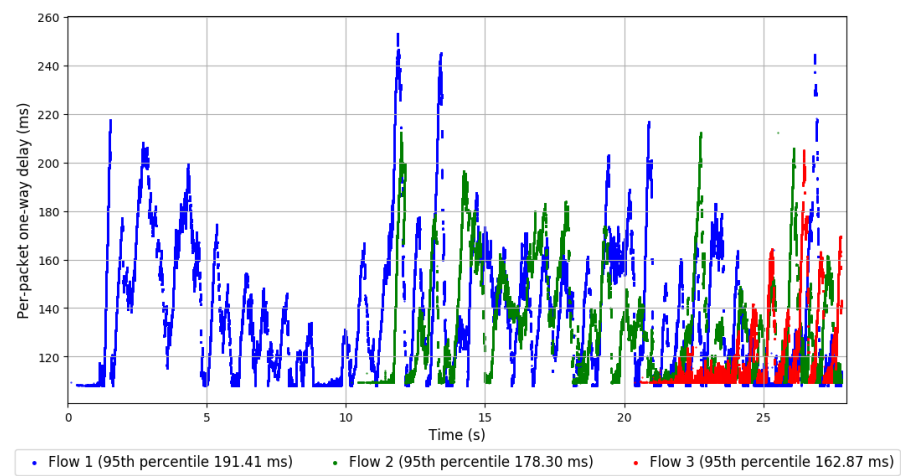
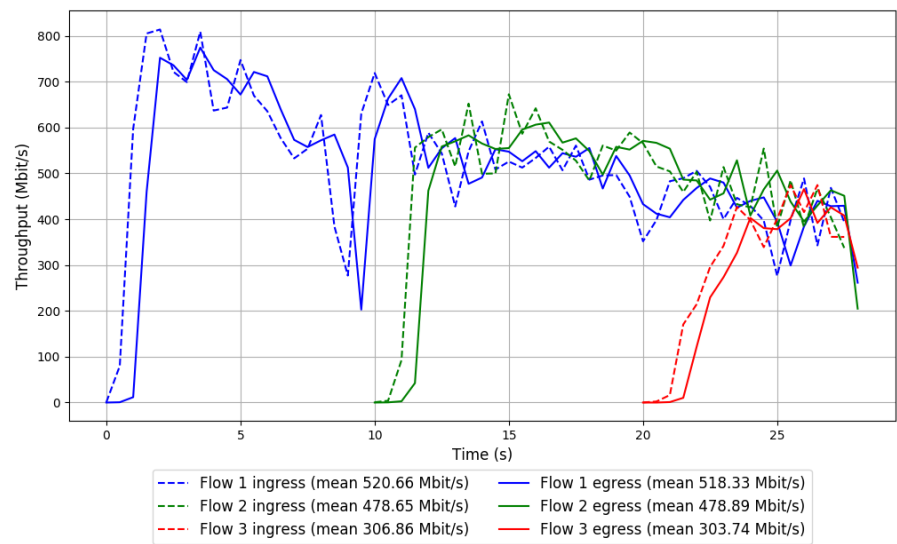


Run 4: Statistics of Indigo-MusesT

Start at: 2019-08-26 23:26:03
End at: 2019-08-26 23:26:33
Local clock offset: -0.305 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2019-08-27 02:41:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 904.03 Mbit/s
95th percentile per-packet one-way delay: 184.082 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 518.33 Mbit/s
95th percentile per-packet one-way delay: 191.414 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 478.89 Mbit/s
95th percentile per-packet one-way delay: 178.299 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 303.74 Mbit/s
95th percentile per-packet one-way delay: 162.874 ms
Loss rate: 3.87%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-08-27 00:09:58

End at: 2019-08-27 00:10:28

Local clock offset: -0.004 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-08-27 02:41:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 866.05 Mbit/s

95th percentile per-packet one-way delay: 200.317 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 487.39 Mbit/s

95th percentile per-packet one-way delay: 245.818 ms

Loss rate: 1.19%

-- Flow 2:

Average throughput: 463.29 Mbit/s

95th percentile per-packet one-way delay: 172.179 ms

Loss rate: 1.38%

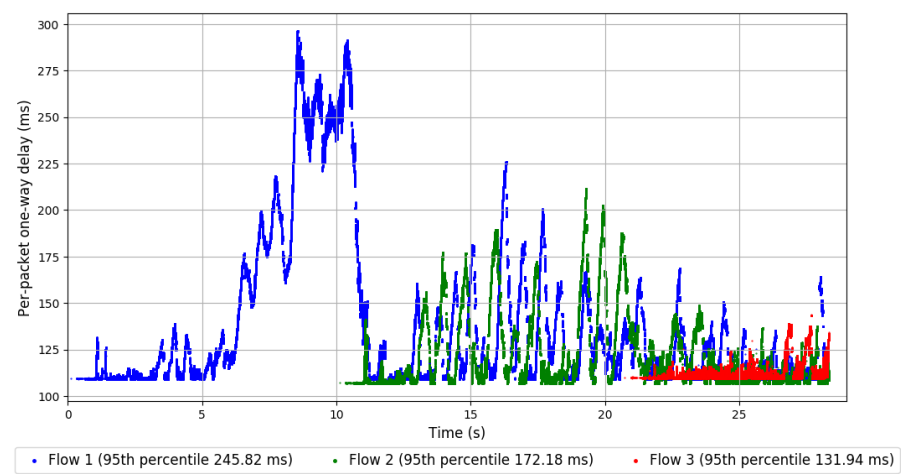
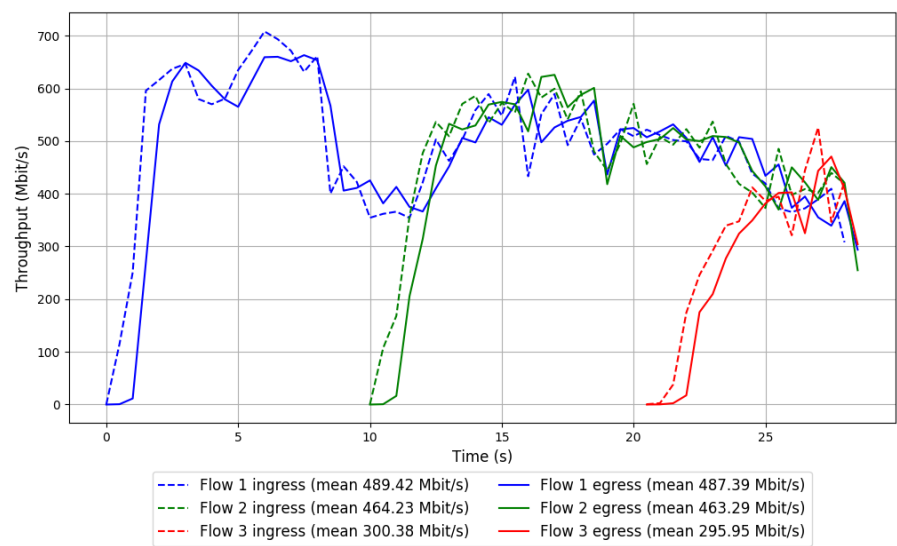
-- Flow 3:

Average throughput: 295.95 Mbit/s

95th percentile per-packet one-way delay: 131.935 ms

Loss rate: 4.25%

Run 5: Report of Indigo-MusesT — Data Link

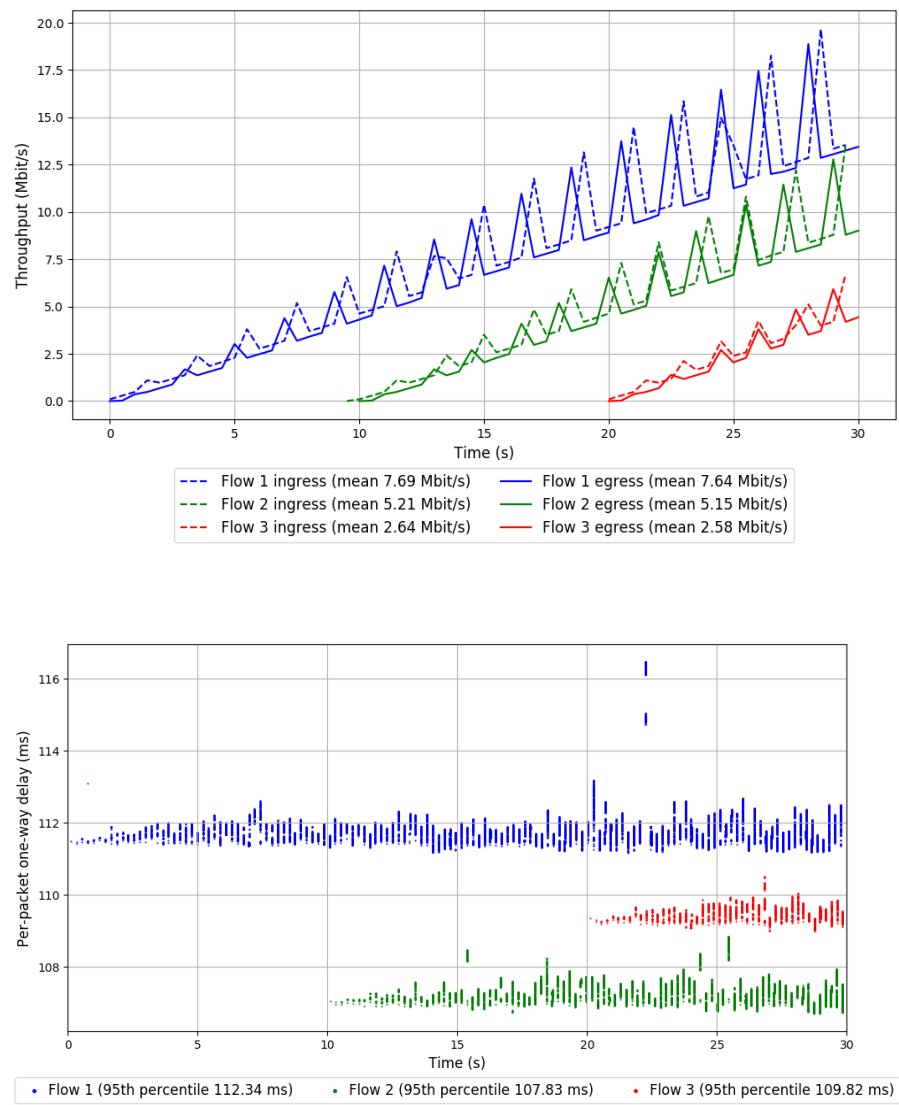


```
Run 1: Statistics of LEDBAT

Start at: 2019-08-26 21:14:09
End at: 2019-08-26 21:14:39
Local clock offset: 0.015 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2019-08-27 02:41:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 112.240 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 7.64 Mbit/s
95th percentile per-packet one-way delay: 112.344 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 5.15 Mbit/s
95th percentile per-packet one-way delay: 107.830 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 109.822 ms
Loss rate: 4.36%
```

Run 1: Report of LEDBAT — Data Link

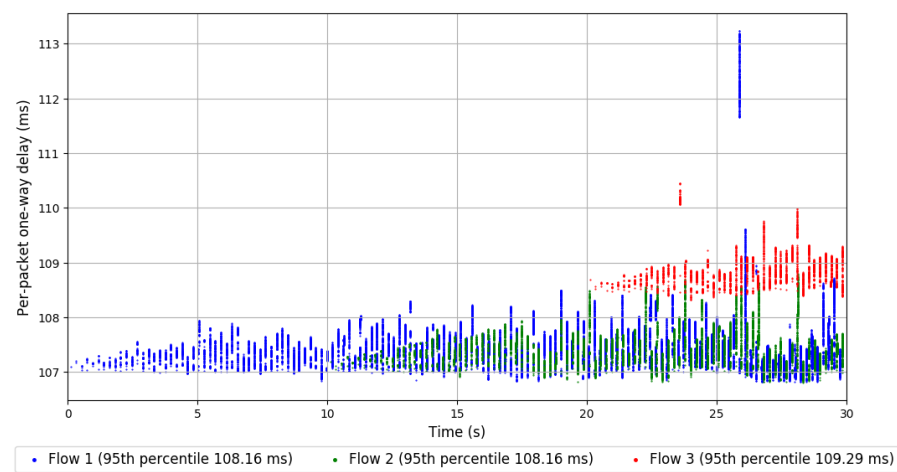
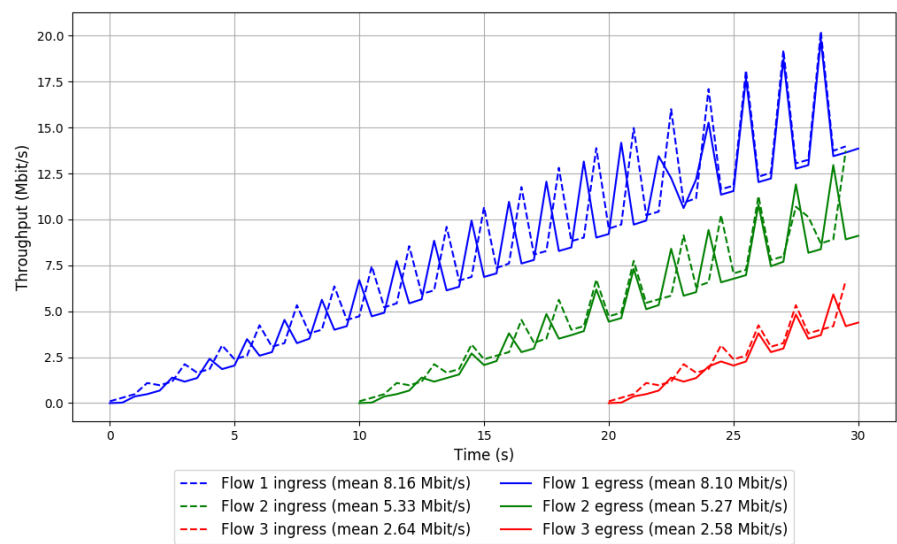


Run 2: Statistics of LEDBAT

Start at: 2019-08-26 21:57:42
End at: 2019-08-26 21:58:12
Local clock offset: 0.038 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-08-27 02:41:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.41 Mbit/s
95th percentile per-packet one-way delay: 108.750 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 108.156 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 108.164 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 109.294 ms
Loss rate: 4.37%

Run 2: Report of LEDBAT — Data Link

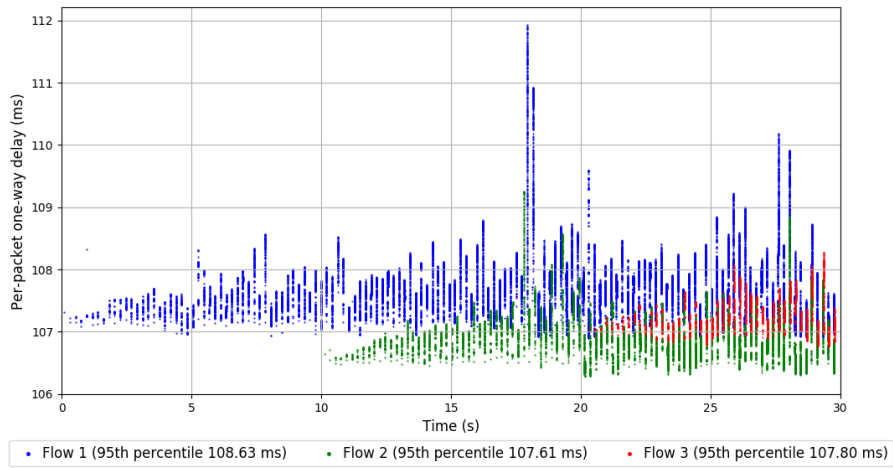
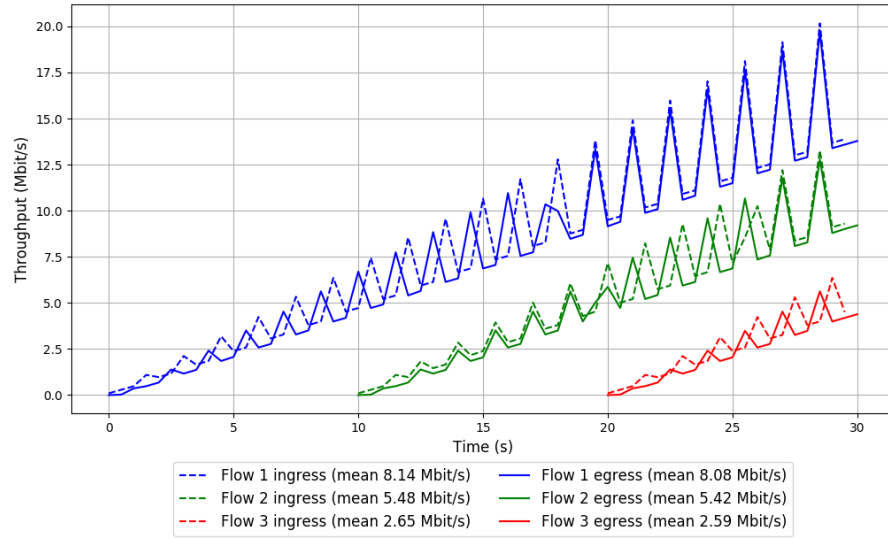


Run 3: Statistics of LEDBAT

Start at: 2019-08-26 22:41:12
End at: 2019-08-26 22:41:42
Local clock offset: 0.101 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-08-27 02:41:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 108.405 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 108.632 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 5.42 Mbit/s
95th percentile per-packet one-way delay: 107.609 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 107.797 ms
Loss rate: 4.37%

Run 3: Report of LEDBAT — Data Link

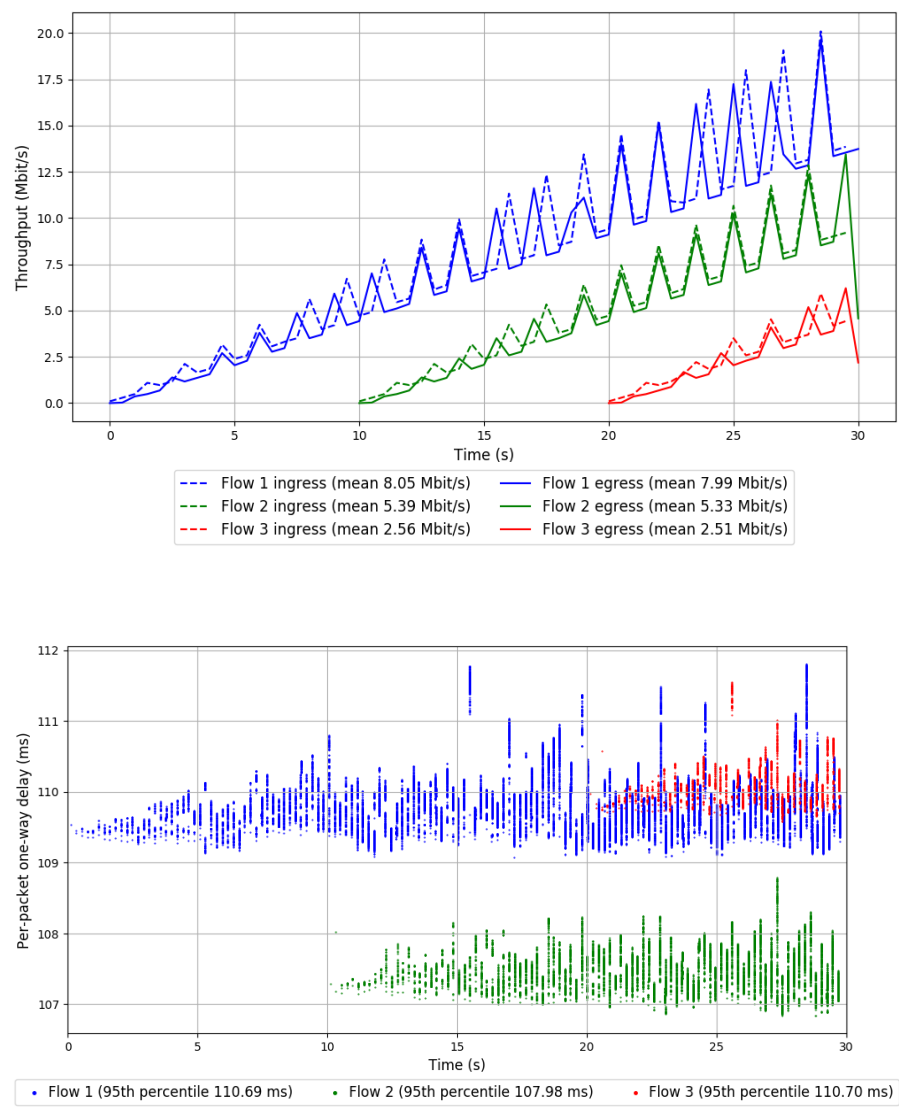


Run 4: Statistics of LEDBAT

Start at: 2019-08-26 23:24:45
End at: 2019-08-26 23:25:15
Local clock offset: -0.041 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2019-08-27 02:41:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.32 Mbit/s
95th percentile per-packet one-way delay: 110.525 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 110.691 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 107.982 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 110.696 ms
Loss rate: 4.46%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-08-27 00:08:40

End at: 2019-08-27 00:09:10

Local clock offset: -0.044 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2019-08-27 02:41:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.63 Mbit/s

95th percentile per-packet one-way delay: 107.615 ms

Loss rate: 1.84%

-- Flow 1:

Average throughput: 8.22 Mbit/s

95th percentile per-packet one-way delay: 107.295 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 5.40 Mbit/s

95th percentile per-packet one-way delay: 107.958 ms

Loss rate: 2.15%

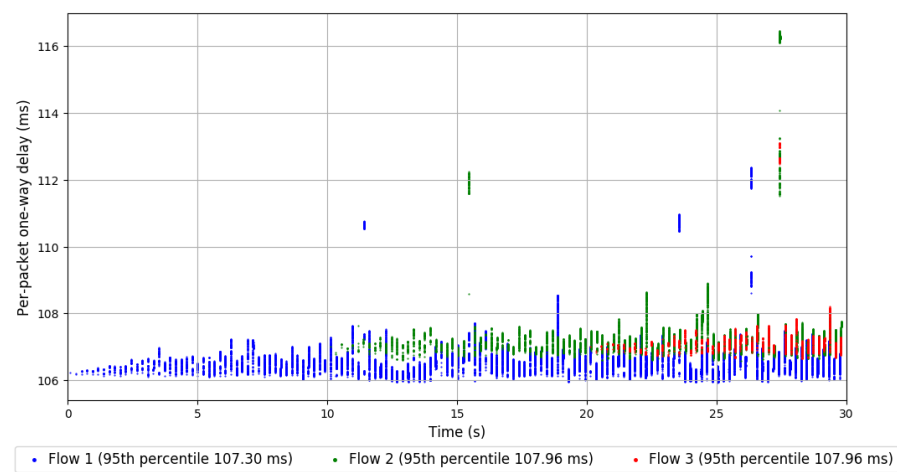
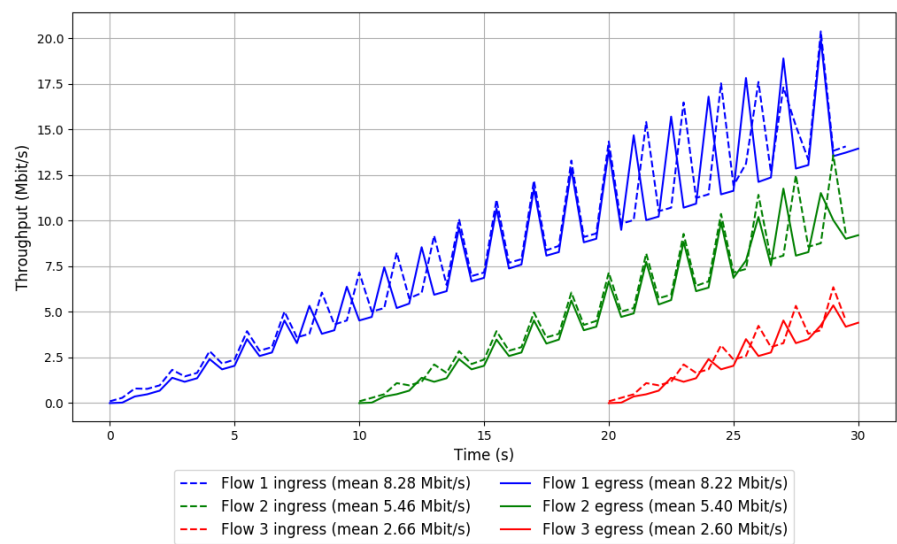
-- Flow 3:

Average throughput: 2.60 Mbit/s

95th percentile per-packet one-way delay: 107.964 ms

Loss rate: 4.36%

Run 5: Report of LEDBAT — Data Link

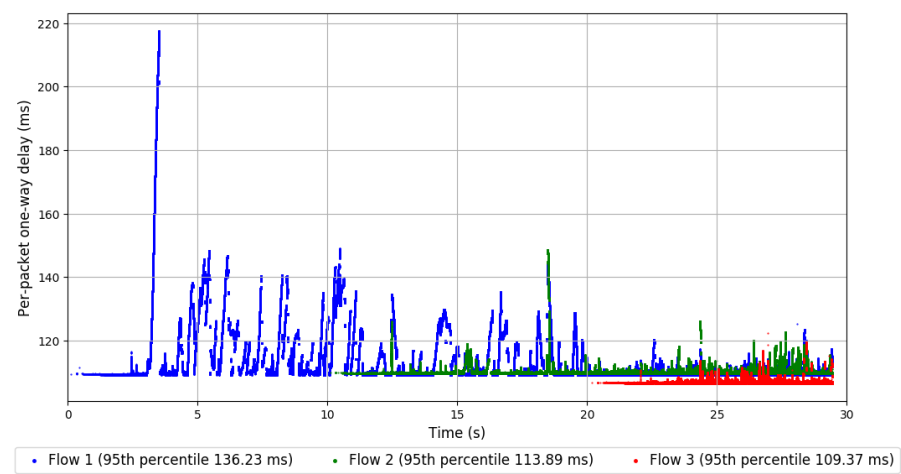
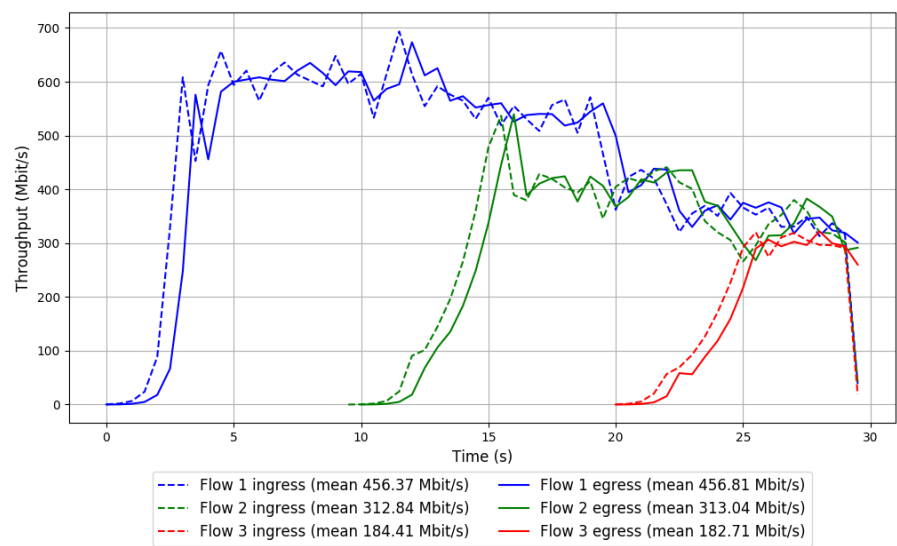


Run 1: Statistics of Muses_DecisionTree

Start at: 2019-08-26 21:04:22
End at: 2019-08-26 21:04:52
Local clock offset: -0.044 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2019-08-27 02:45:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 720.78 Mbit/s
95th percentile per-packet one-way delay: 131.226 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 456.81 Mbit/s
95th percentile per-packet one-way delay: 136.228 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 313.04 Mbit/s
95th percentile per-packet one-way delay: 113.892 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 182.71 Mbit/s
95th percentile per-packet one-way delay: 109.373 ms
Loss rate: 3.19%

Run 1: Report of Muses_DecisionTree — Data Link

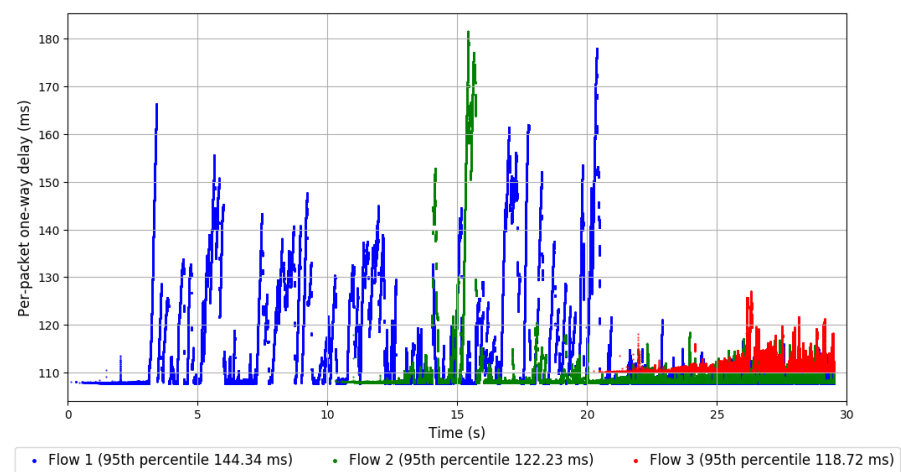
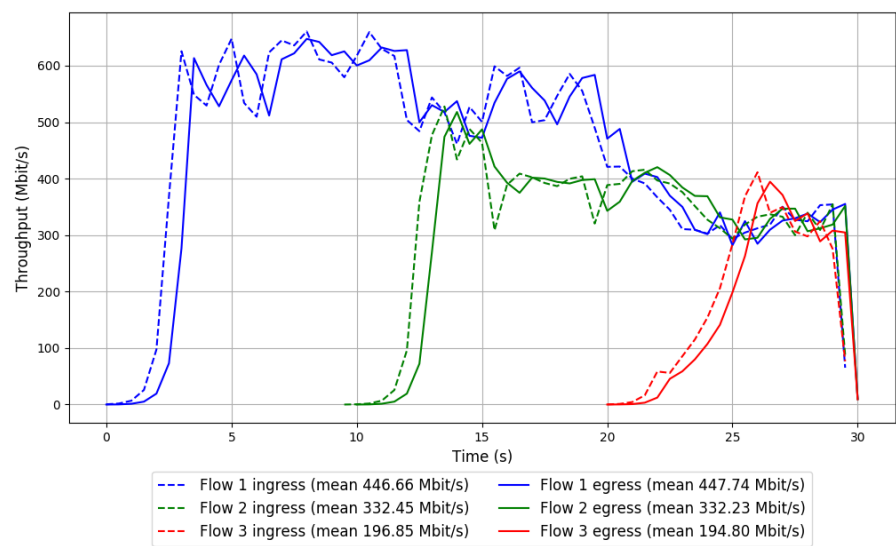


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-08-26 21:47:50
End at: 2019-08-26 21:48:20
Local clock offset: 0.808 ms
Remote clock offset: -0.413 ms

Below is generated by plot.py at 2019-08-27 02:45:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 728.50 Mbit/s
95th percentile per-packet one-way delay: 141.582 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 447.74 Mbit/s
95th percentile per-packet one-way delay: 144.335 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 332.23 Mbit/s
95th percentile per-packet one-way delay: 122.231 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 194.80 Mbit/s
95th percentile per-packet one-way delay: 118.724 ms
Loss rate: 3.35%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-08-26 22:31:29

End at: 2019-08-26 22:31:59

Local clock offset: 0.105 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-08-27 02:45:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 732.73 Mbit/s

95th percentile per-packet one-way delay: 153.432 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 420.93 Mbit/s

95th percentile per-packet one-way delay: 160.864 ms

Loss rate: 0.90%

-- Flow 2:

Average throughput: 381.51 Mbit/s

95th percentile per-packet one-way delay: 142.285 ms

Loss rate: 1.18%

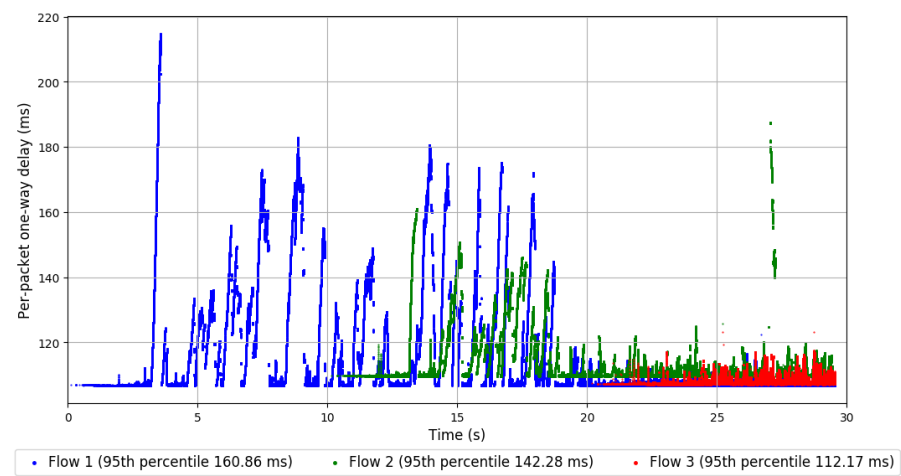
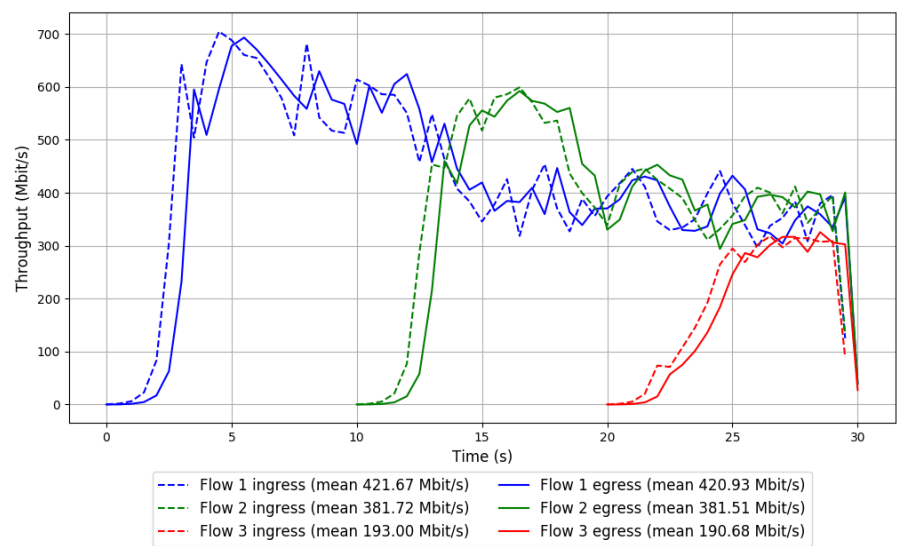
-- Flow 3:

Average throughput: 190.68 Mbit/s

95th percentile per-packet one-way delay: 112.170 ms

Loss rate: 3.43%

Run 3: Report of Muses_DecisionTree — Data Link

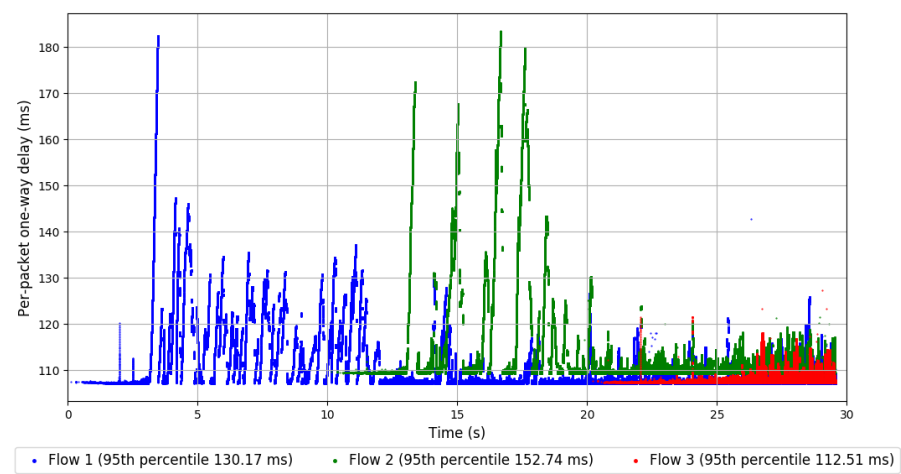
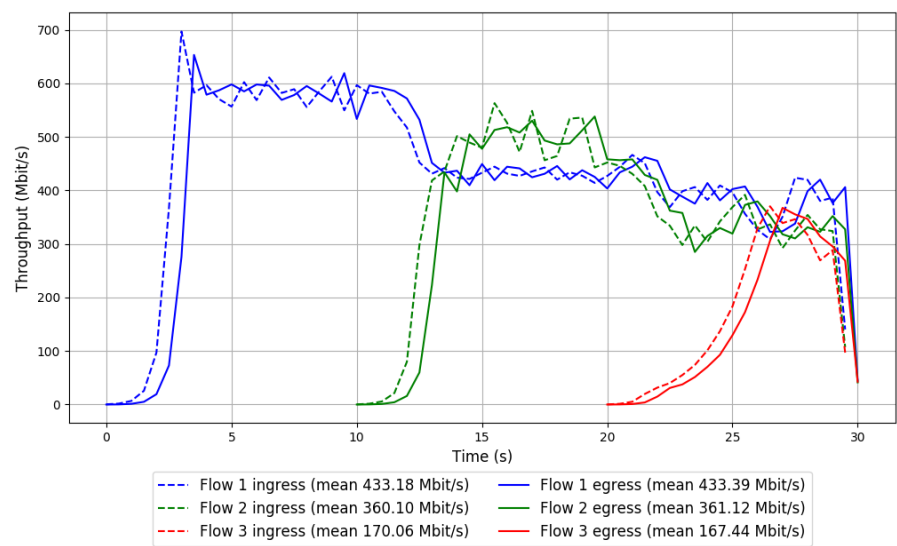


Run 4: Statistics of Muses_DecisionTree

Start at: 2019-08-26 23:15:05
End at: 2019-08-26 23:15:35
Local clock offset: -0.041 ms
Remote clock offset: -0.561 ms

Below is generated by plot.py at 2019-08-27 02:47:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 724.34 Mbit/s
95th percentile per-packet one-way delay: 134.116 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 433.39 Mbit/s
95th percentile per-packet one-way delay: 130.168 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 361.12 Mbit/s
95th percentile per-packet one-way delay: 152.739 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 167.44 Mbit/s
95th percentile per-packet one-way delay: 112.510 ms
Loss rate: 3.81%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-08-26 23:58:40

End at: 2019-08-26 23:59:10

Local clock offset: 0.073 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2019-08-27 02:47:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 722.26 Mbit/s

95th percentile per-packet one-way delay: 132.118 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 409.39 Mbit/s

95th percentile per-packet one-way delay: 134.979 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 378.93 Mbit/s

95th percentile per-packet one-way delay: 125.941 ms

Loss rate: 0.94%

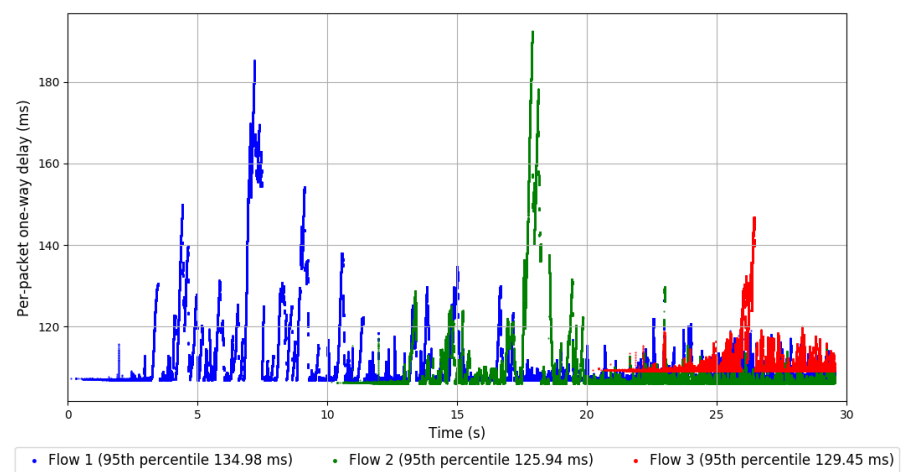
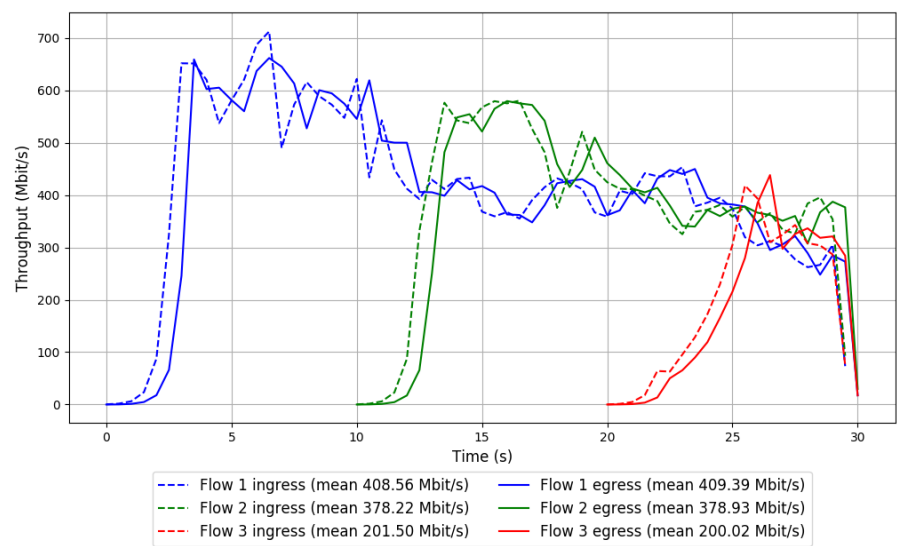
-- Flow 3:

Average throughput: 200.02 Mbit/s

95th percentile per-packet one-way delay: 129.452 ms

Loss rate: 3.05%

Run 5: Report of Muses_DecisionTree — Data Link

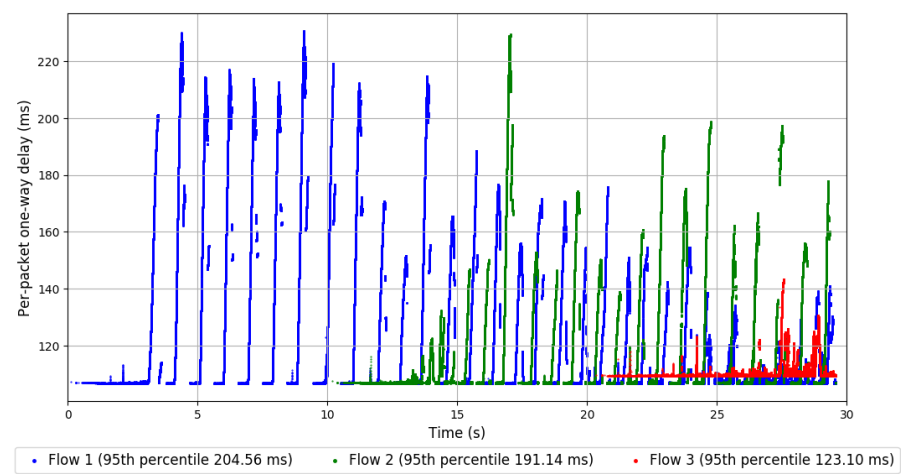
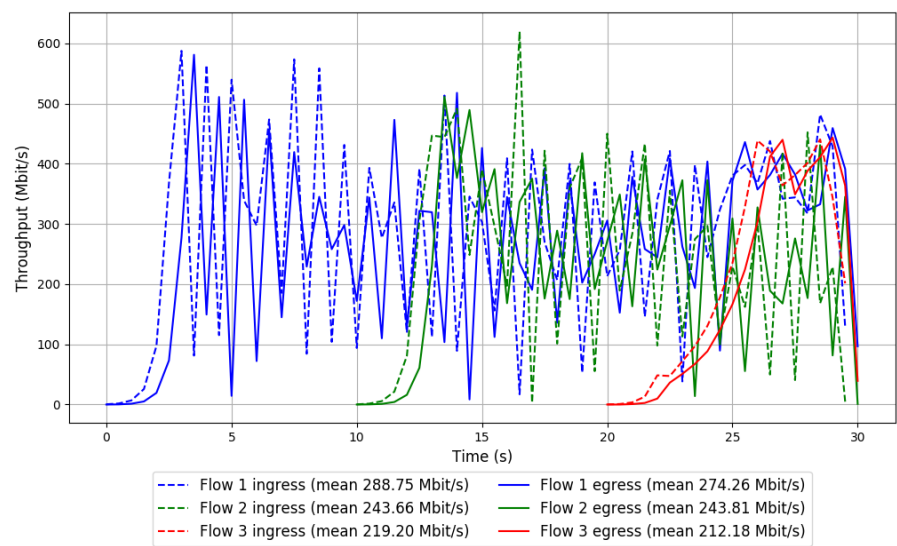


Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 21:19:20
End at: 2019-08-26 21:19:50
Local clock offset: 0.08 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2019-08-27 02:48:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 501.32 Mbit/s
95th percentile per-packet one-way delay: 198.111 ms
Loss rate: 4.22%
-- Flow 1:
Average throughput: 274.26 Mbit/s
95th percentile per-packet one-way delay: 204.559 ms
Loss rate: 5.70%
-- Flow 2:
Average throughput: 243.81 Mbit/s
95th percentile per-packet one-way delay: 191.139 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 212.18 Mbit/s
95th percentile per-packet one-way delay: 123.101 ms
Loss rate: 5.42%

Run 1: Report of Muses_DecisionTreeH0 — Data Link

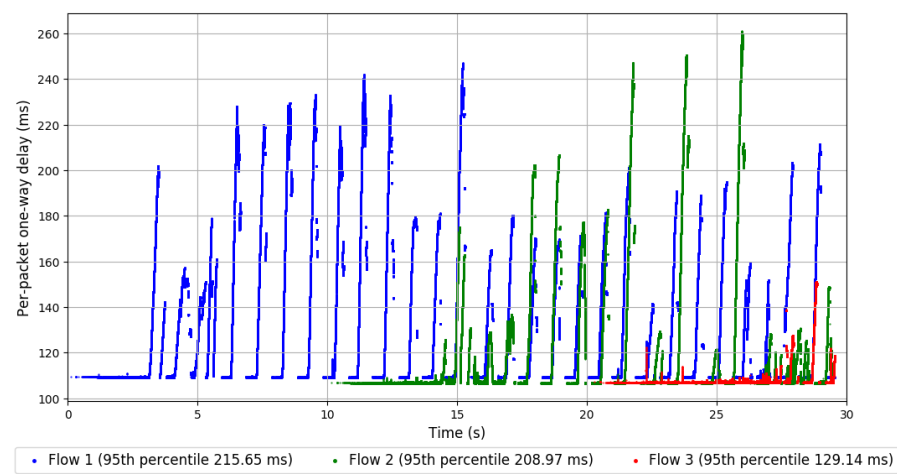
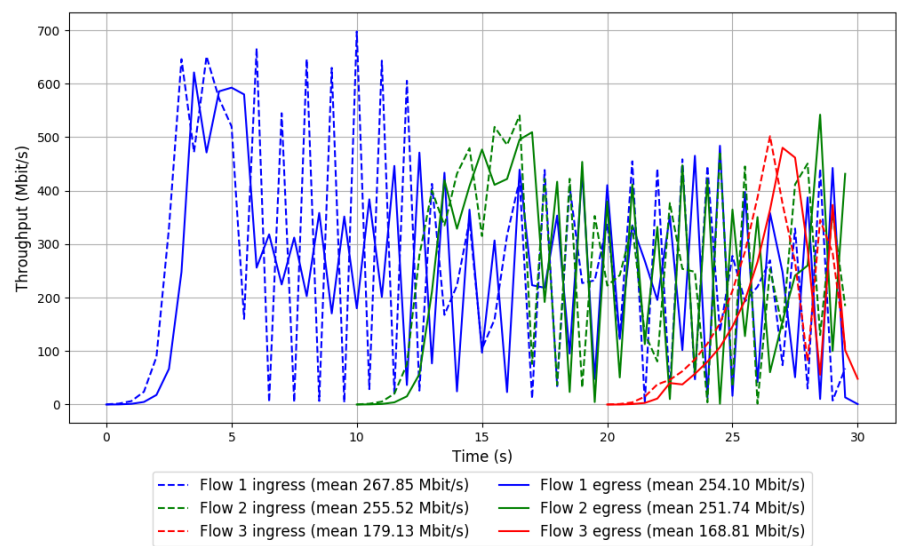


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 22:02:52
End at: 2019-08-26 22:03:22
Local clock offset: -0.042 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2019-08-27 02:50:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 472.05 Mbit/s
95th percentile per-packet one-way delay: 211.856 ms
Loss rate: 5.02%
-- Flow 1:
Average throughput: 254.10 Mbit/s
95th percentile per-packet one-way delay: 215.649 ms
Loss rate: 5.83%
-- Flow 2:
Average throughput: 251.74 Mbit/s
95th percentile per-packet one-way delay: 208.975 ms
Loss rate: 3.01%
-- Flow 3:
Average throughput: 168.81 Mbit/s
95th percentile per-packet one-way delay: 129.137 ms
Loss rate: 7.16%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

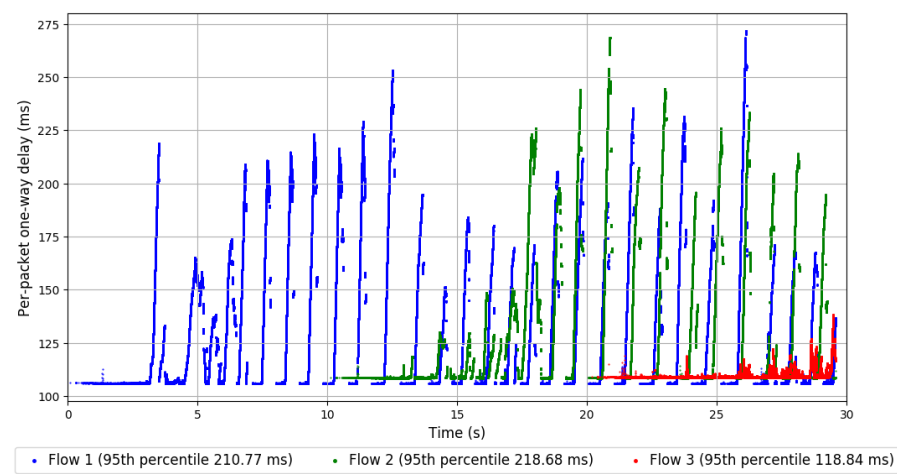
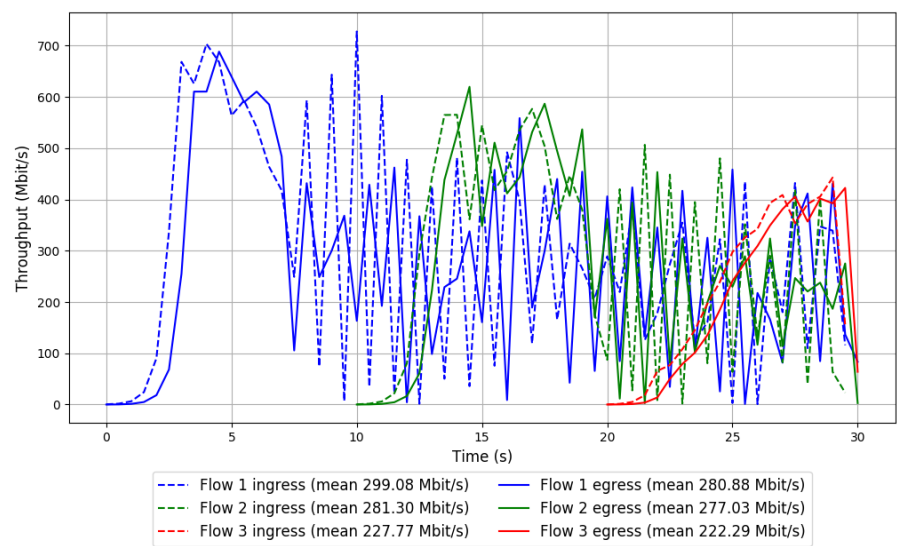


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 22:46:25
End at: 2019-08-26 22:46:55
Local clock offset: -0.686 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-08-27 02:51:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 534.51 Mbit/s
95th percentile per-packet one-way delay: 212.745 ms
Loss rate: 4.99%
-- Flow 1:
Average throughput: 280.88 Mbit/s
95th percentile per-packet one-way delay: 210.773 ms
Loss rate: 6.58%
-- Flow 2:
Average throughput: 277.03 Mbit/s
95th percentile per-packet one-way delay: 218.679 ms
Loss rate: 2.59%
-- Flow 3:
Average throughput: 222.29 Mbit/s
95th percentile per-packet one-way delay: 118.841 ms
Loss rate: 4.62%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 23:29:58

End at: 2019-08-26 23:30:28

Local clock offset: 0.017 ms

Remote clock offset: 0.192 ms

Below is generated by plot.py at 2019-08-27 02:55:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 533.57 Mbit/s

95th percentile per-packet one-way delay: 216.248 ms

Loss rate: 3.04%

-- Flow 1:

Average throughput: 238.67 Mbit/s

95th percentile per-packet one-way delay: 219.402 ms

Loss rate: 4.89%

-- Flow 2:

Average throughput: 353.89 Mbit/s

95th percentile per-packet one-way delay: 206.726 ms

Loss rate: 1.18%

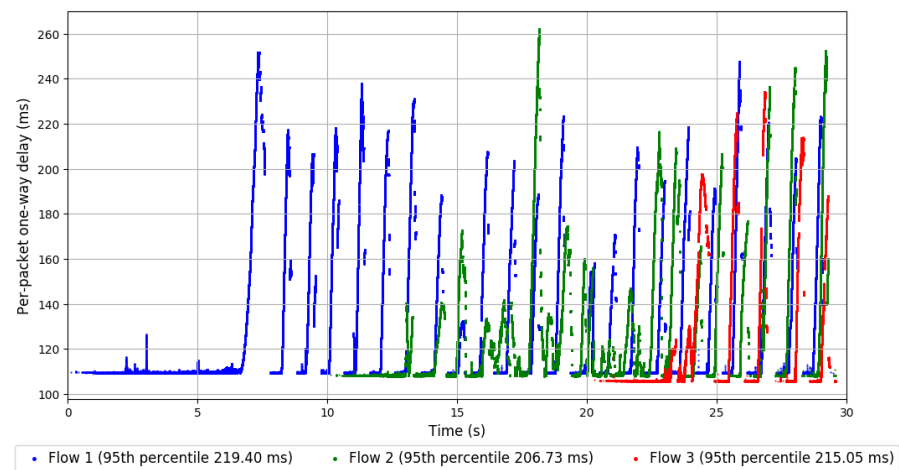
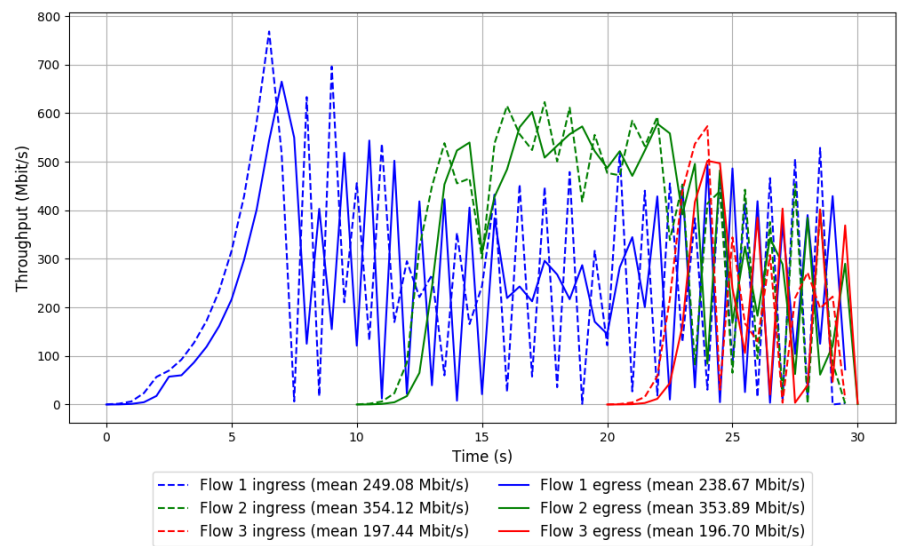
-- Flow 3:

Average throughput: 196.70 Mbit/s

95th percentile per-packet one-way delay: 215.052 ms

Loss rate: 2.63%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 00:13:54

End at: 2019-08-27 00:14:24

Local clock offset: -0.112 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2019-08-27 02:56:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 555.47 Mbit/s

95th percentile per-packet one-way delay: 216.350 ms

Loss rate: 4.68%

-- Flow 1:

Average throughput: 361.04 Mbit/s

95th percentile per-packet one-way delay: 204.842 ms

Loss rate: 5.02%

-- Flow 2:

Average throughput: 169.12 Mbit/s

95th percentile per-packet one-way delay: 251.471 ms

Loss rate: 4.00%

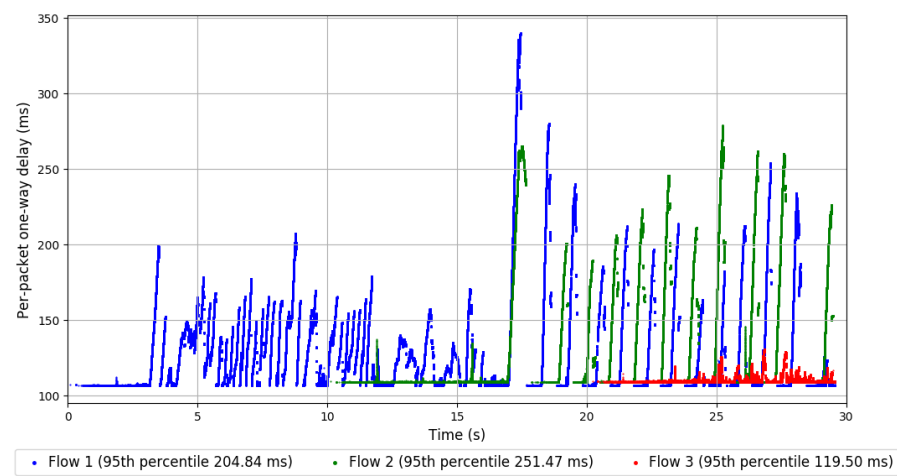
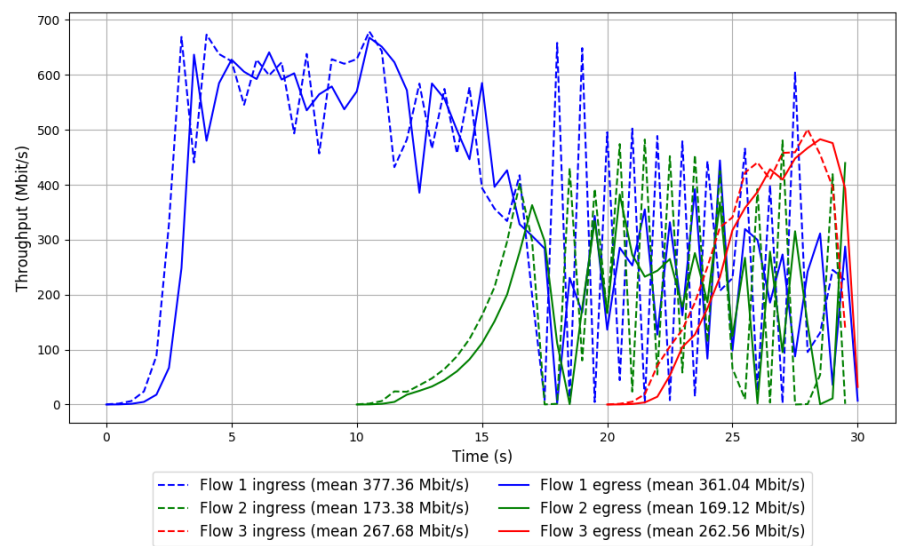
-- Flow 3:

Average throughput: 262.56 Mbit/s

95th percentile per-packet one-way delay: 119.501 ms

Loss rate: 4.08%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

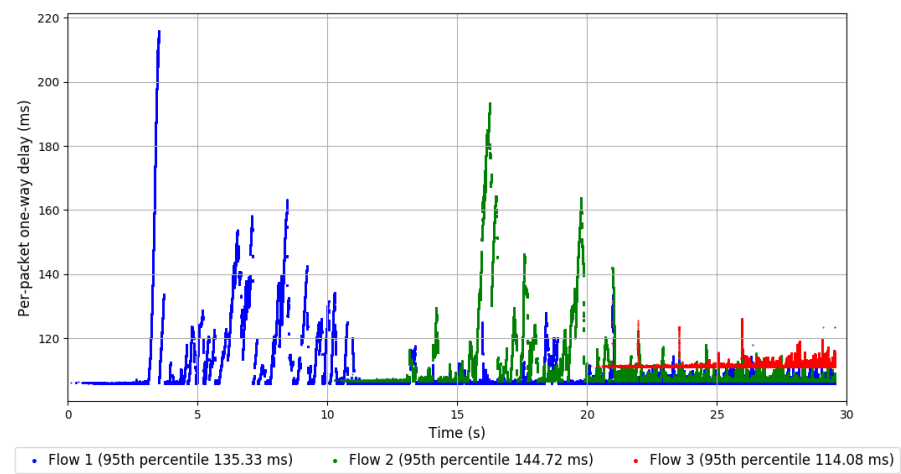
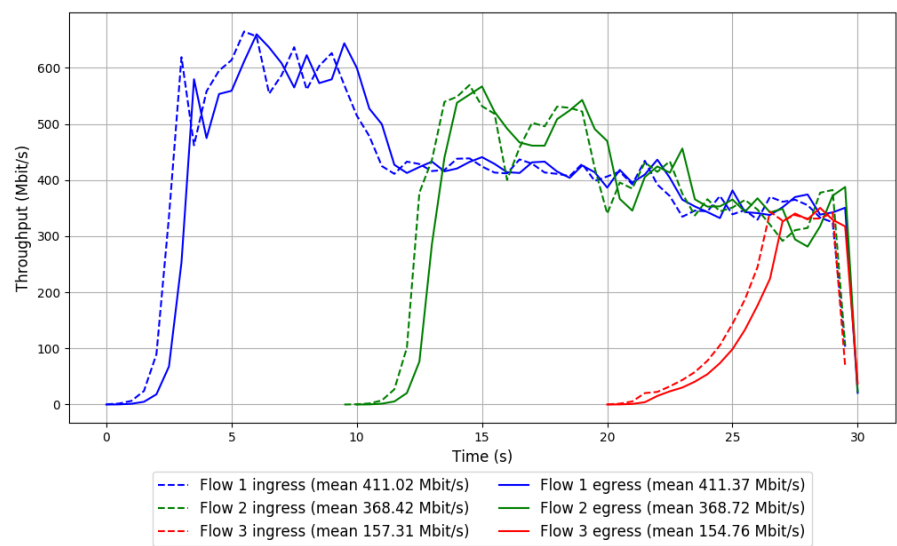


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-26 21:42:20
End at: 2019-08-26 21:42:50
Local clock offset: -0.102 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2019-08-27 02:59:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 704.54 Mbit/s
95th percentile per-packet one-way delay: 136.000 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 411.37 Mbit/s
95th percentile per-packet one-way delay: 135.326 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 368.72 Mbit/s
95th percentile per-packet one-way delay: 144.718 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 154.76 Mbit/s
95th percentile per-packet one-way delay: 114.078 ms
Loss rate: 3.93%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

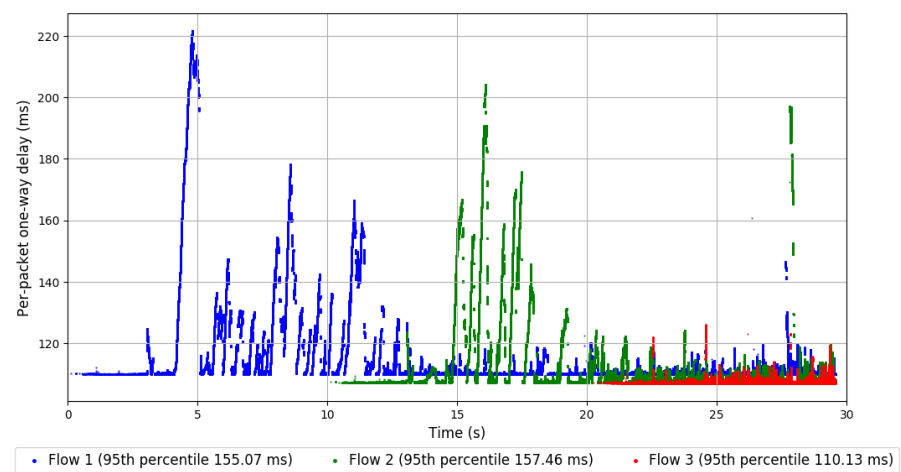
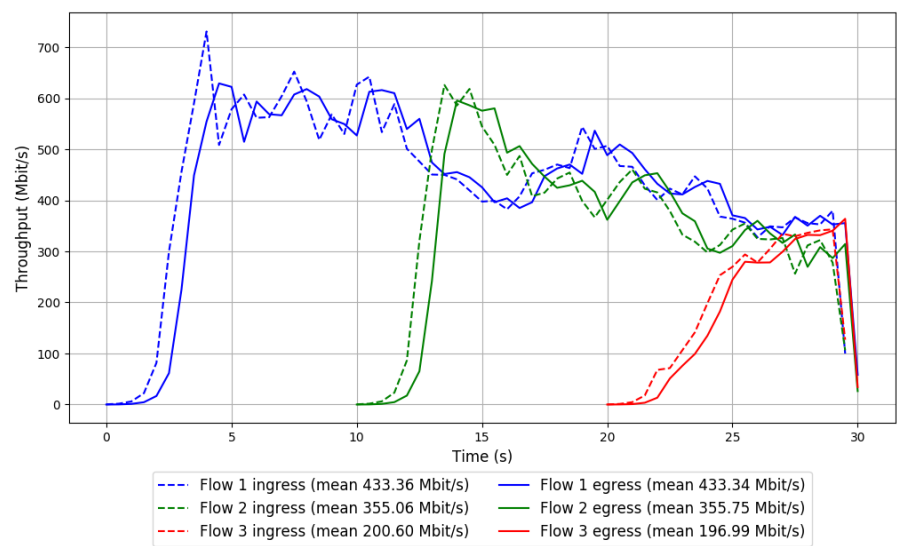


Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 22:26:03
End at: 2019-08-26 22:26:33
Local clock offset: 0.238 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-08-27 03:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 730.50 Mbit/s
95th percentile per-packet one-way delay: 154.782 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 433.34 Mbit/s
95th percentile per-packet one-way delay: 155.066 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 355.75 Mbit/s
95th percentile per-packet one-way delay: 157.455 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 196.99 Mbit/s
95th percentile per-packet one-way delay: 110.131 ms
Loss rate: 4.02%

Run 2: Report of Muses_DecisionTreeR0 — Data Link

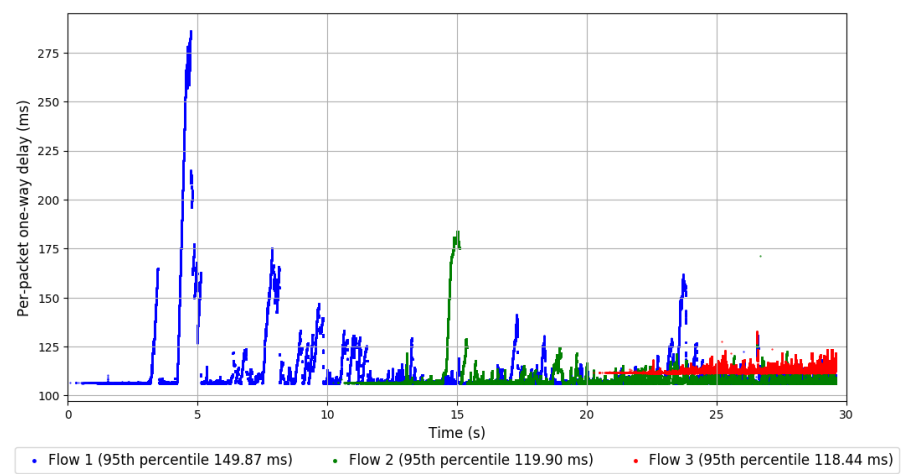
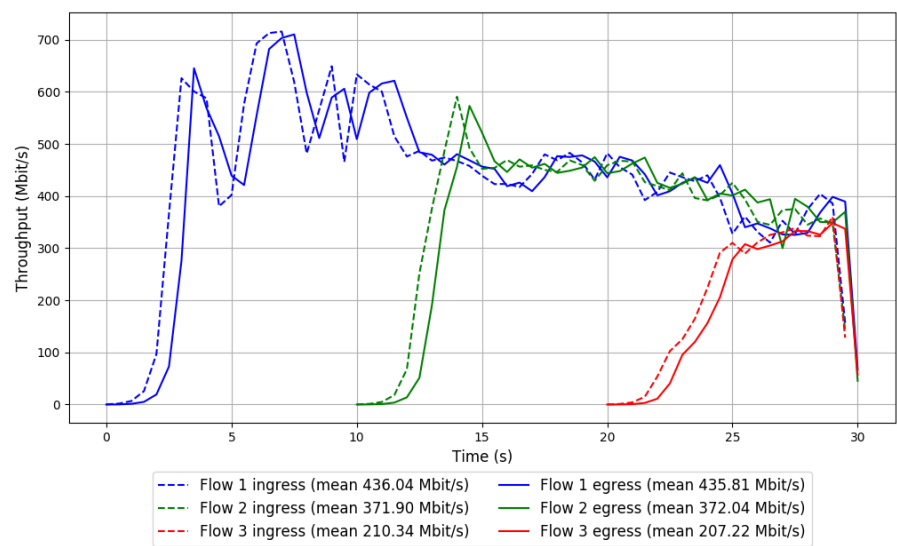


Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 23:09:41
End at: 2019-08-26 23:10:11
Local clock offset: -0.714 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2019-08-27 03:02:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 745.97 Mbit/s
95th percentile per-packet one-way delay: 139.488 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 435.81 Mbit/s
95th percentile per-packet one-way delay: 149.865 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 372.04 Mbit/s
95th percentile per-packet one-way delay: 119.904 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 207.22 Mbit/s
95th percentile per-packet one-way delay: 118.442 ms
Loss rate: 3.79%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

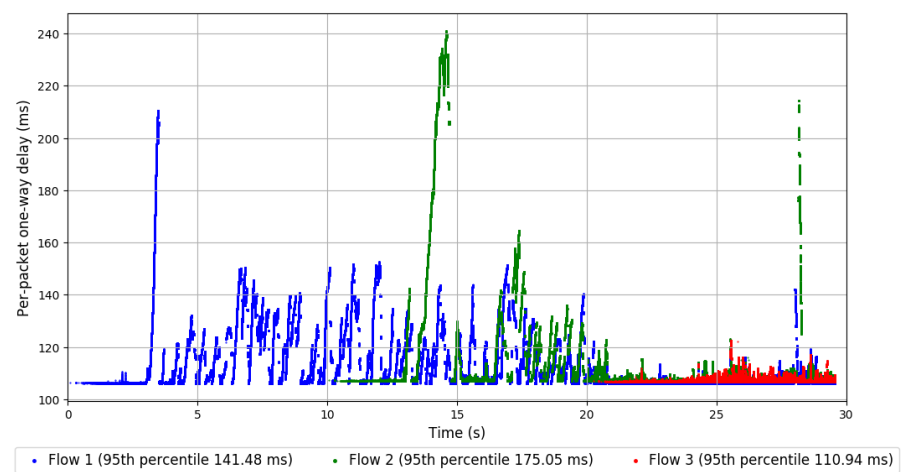
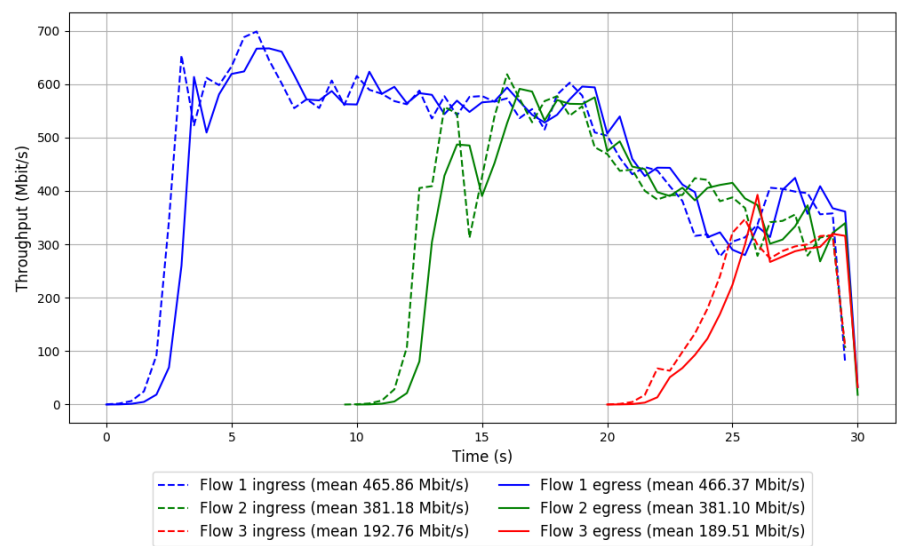


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 23:53:11
End at: 2019-08-26 23:53:41
Local clock offset: -0.068 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2019-08-27 03:03:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 778.36 Mbit/s
95th percentile per-packet one-way delay: 144.113 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 466.37 Mbit/s
95th percentile per-packet one-way delay: 141.478 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 381.10 Mbit/s
95th percentile per-packet one-way delay: 175.046 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 189.51 Mbit/s
95th percentile per-packet one-way delay: 110.943 ms
Loss rate: 3.92%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 00:36:37

End at: 2019-08-27 00:37:07

Local clock offset: -0.033 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2019-08-27 03:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 712.72 Mbit/s

95th percentile per-packet one-way delay: 136.913 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 417.80 Mbit/s

95th percentile per-packet one-way delay: 138.086 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 338.64 Mbit/s

95th percentile per-packet one-way delay: 161.650 ms

Loss rate: 1.10%

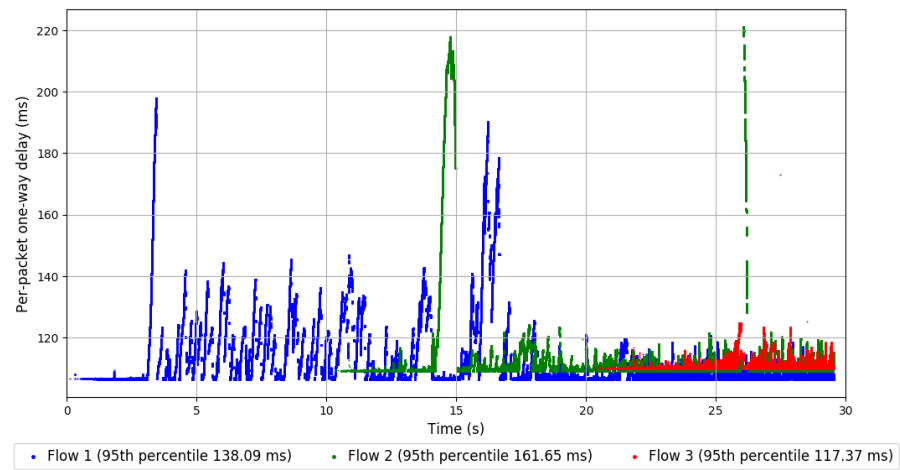
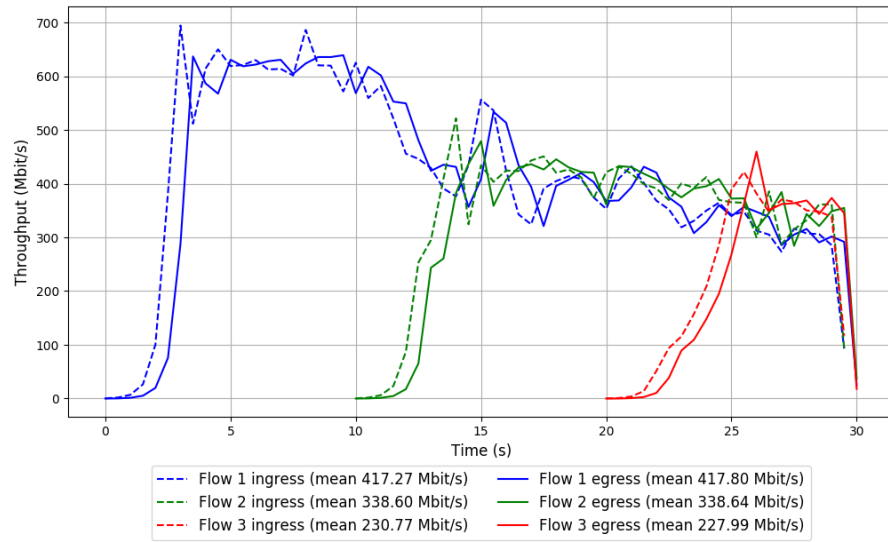
-- Flow 3:

Average throughput: 227.99 Mbit/s

95th percentile per-packet one-way delay: 117.366 ms

Loss rate: 3.49%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

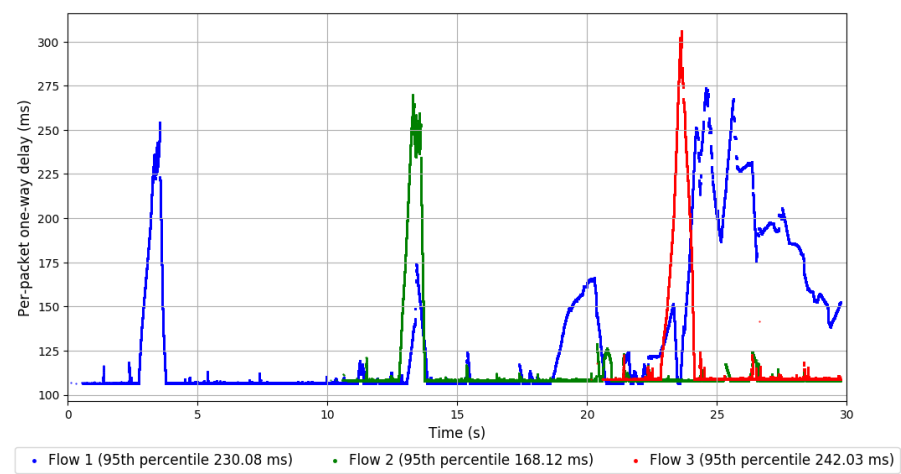
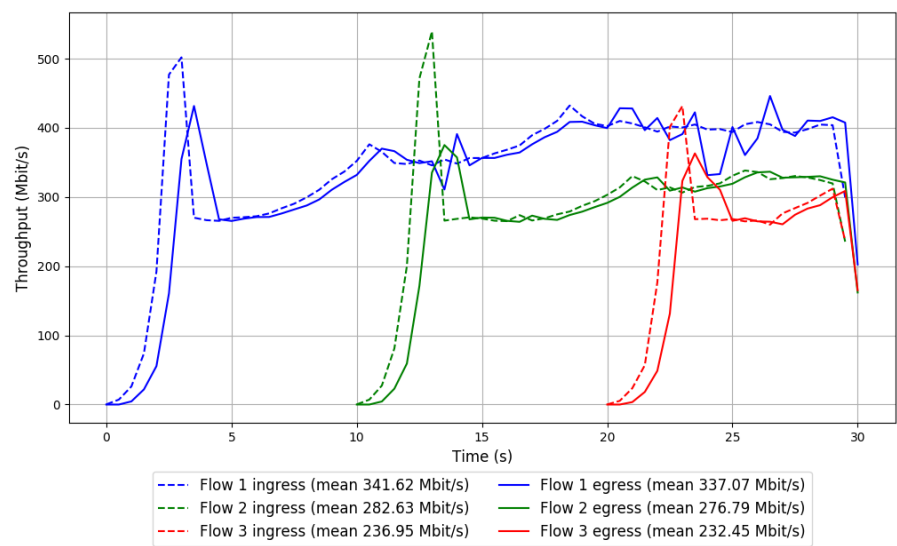


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-08-26 21:10:07
End at: 2019-08-26 21:10:37
Local clock offset: -0.206 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2019-08-27 03:14:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 595.81 Mbit/s
95th percentile per-packet one-way delay: 228.746 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 337.07 Mbit/s
95th percentile per-packet one-way delay: 230.077 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 276.79 Mbit/s
95th percentile per-packet one-way delay: 168.121 ms
Loss rate: 3.13%
-- Flow 3:
Average throughput: 232.45 Mbit/s
95th percentile per-packet one-way delay: 242.034 ms
Loss rate: 4.05%
```

Run 1: Report of PCC-Allegro — Data Link

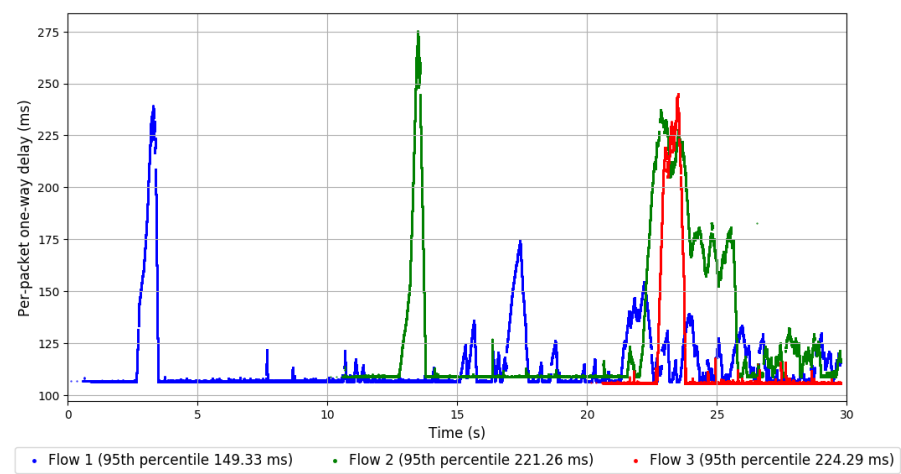
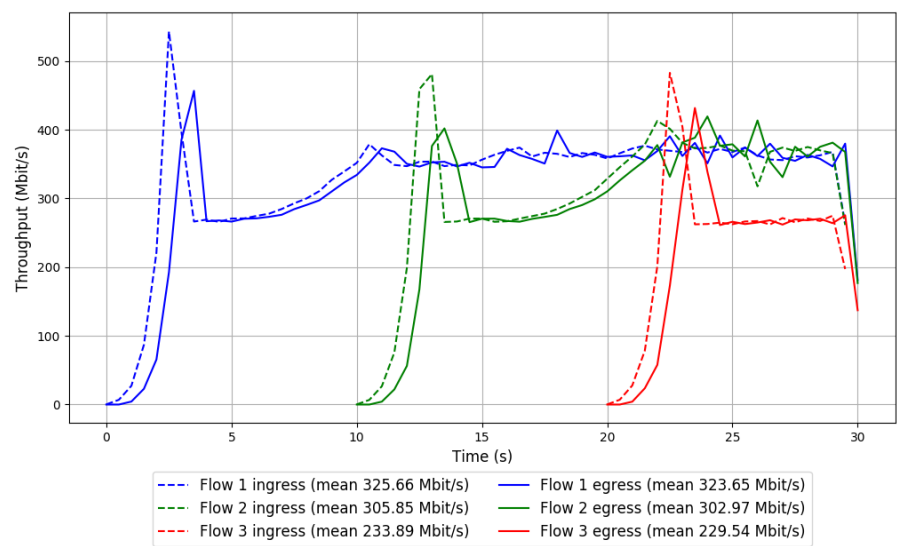


Run 2: Statistics of PCC-Allegro

Start at: 2019-08-26 21:53:36
End at: 2019-08-26 21:54:06
Local clock offset: -0.269 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2019-08-27 03:17:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 598.72 Mbit/s
95th percentile per-packet one-way delay: 209.735 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 323.65 Mbit/s
95th percentile per-packet one-way delay: 149.327 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 302.97 Mbit/s
95th percentile per-packet one-way delay: 221.264 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 229.54 Mbit/s
95th percentile per-packet one-way delay: 224.287 ms
Loss rate: 4.03%

Run 2: Report of PCC-Allegro — Data Link

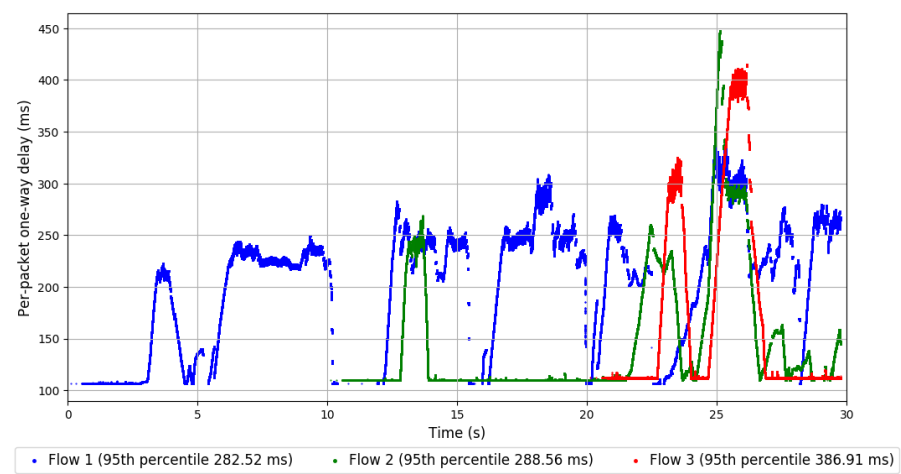
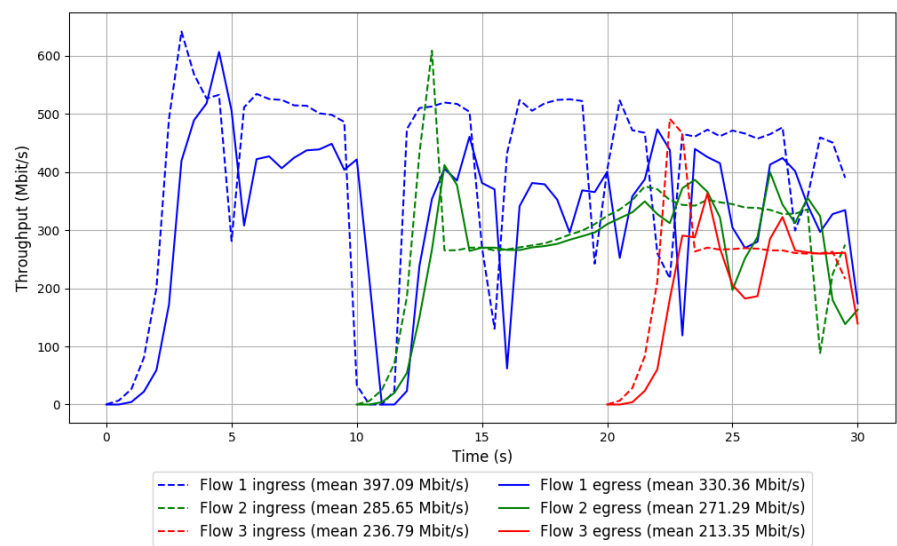


Run 3: Statistics of PCC-Allegro

Start at: 2019-08-26 22:37:03
End at: 2019-08-26 22:37:33
Local clock offset: -0.03 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2019-08-27 03:19:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 579.32 Mbit/s
95th percentile per-packet one-way delay: 293.456 ms
Loss rate: 13.67%
-- Flow 1:
Average throughput: 330.36 Mbit/s
95th percentile per-packet one-way delay: 282.524 ms
Loss rate: 17.51%
-- Flow 2:
Average throughput: 271.29 Mbit/s
95th percentile per-packet one-way delay: 288.562 ms
Loss rate: 6.25%
-- Flow 3:
Average throughput: 213.35 Mbit/s
95th percentile per-packet one-way delay: 386.914 ms
Loss rate: 12.23%

Run 3: Report of PCC-Allegro — Data Link

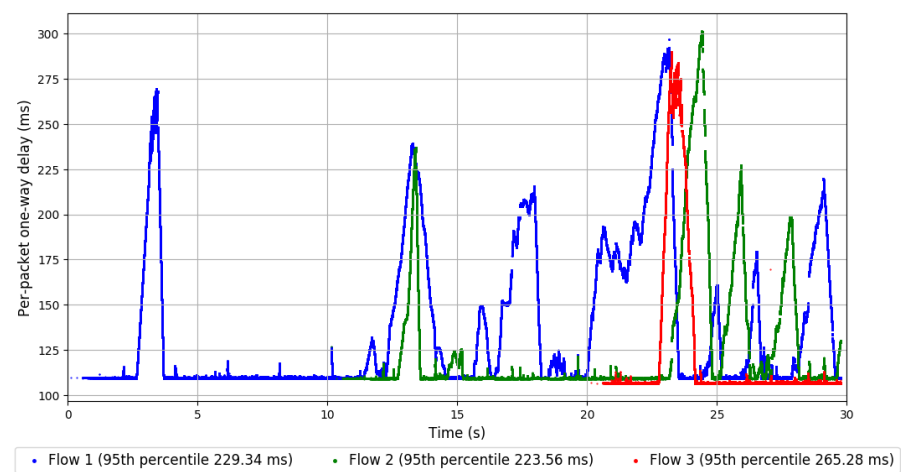
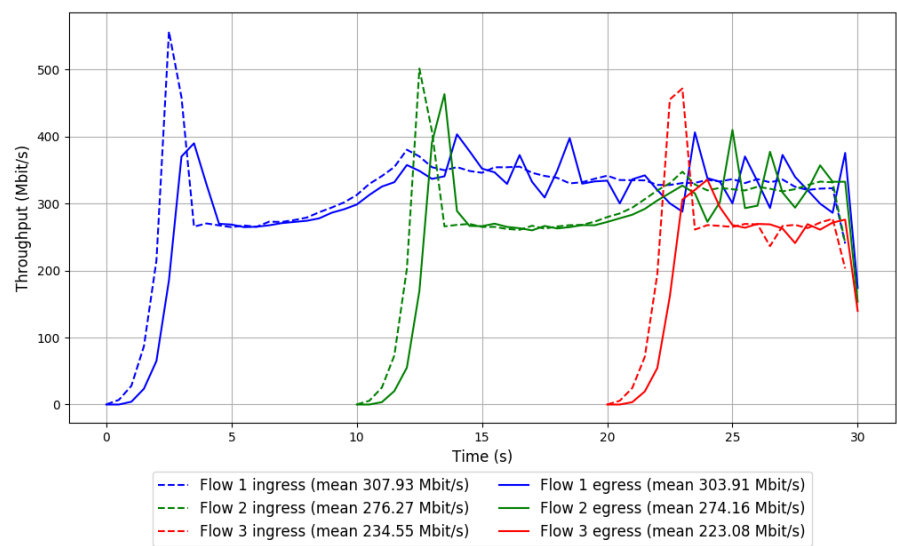


Run 4: Statistics of PCC-Allegro

Start at: 2019-08-26 23:20:43
End at: 2019-08-26 23:21:13
Local clock offset: -0.104 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2019-08-27 03:20:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 557.58 Mbit/s
95th percentile per-packet one-way delay: 233.910 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 303.91 Mbit/s
95th percentile per-packet one-way delay: 229.339 ms
Loss rate: 2.03%
-- Flow 2:
Average throughput: 274.16 Mbit/s
95th percentile per-packet one-way delay: 223.558 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 223.08 Mbit/s
95th percentile per-packet one-way delay: 265.277 ms
Loss rate: 6.99%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-08-27 00:04:31

End at: 2019-08-27 00:05:01

Local clock offset: -0.638 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2019-08-27 03:25:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 622.52 Mbit/s

95th percentile per-packet one-way delay: 263.973 ms

Loss rate: 5.88%

-- Flow 1:

Average throughput: 360.58 Mbit/s

95th percentile per-packet one-way delay: 243.891 ms

Loss rate: 6.17%

-- Flow 2:

Average throughput: 280.70 Mbit/s

95th percentile per-packet one-way delay: 281.688 ms

Loss rate: 5.84%

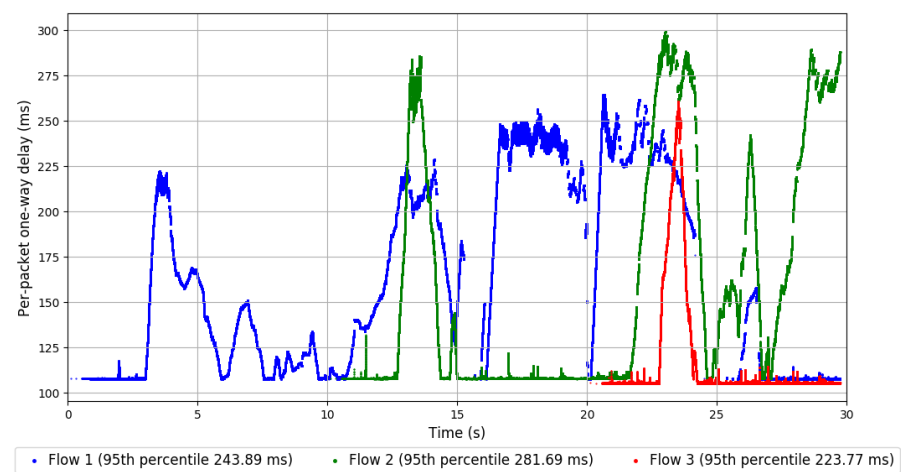
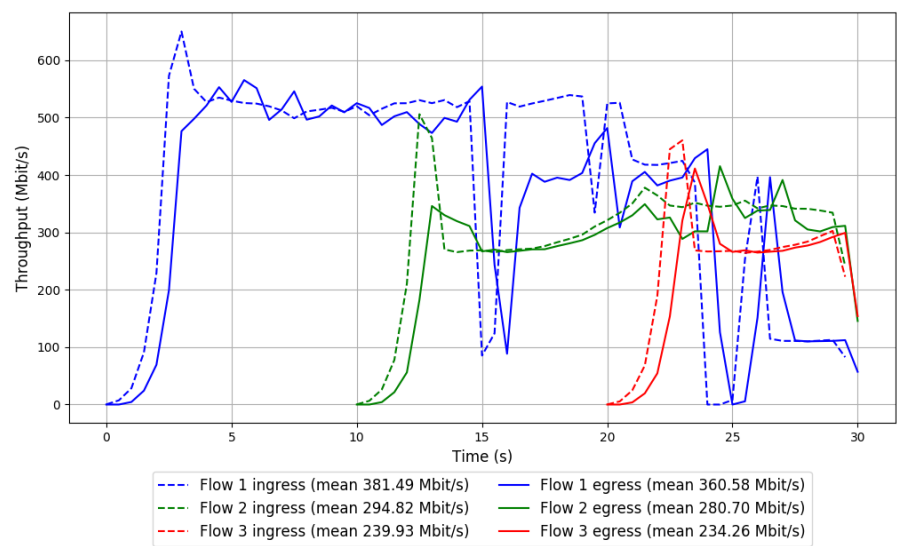
-- Flow 3:

Average throughput: 234.26 Mbit/s

95th percentile per-packet one-way delay: 223.770 ms

Loss rate: 4.52%

Run 5: Report of PCC-Allegro — Data Link

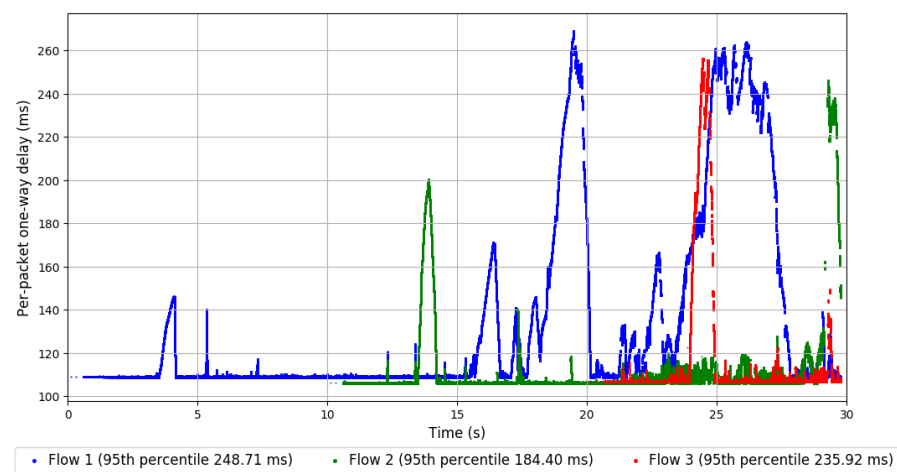
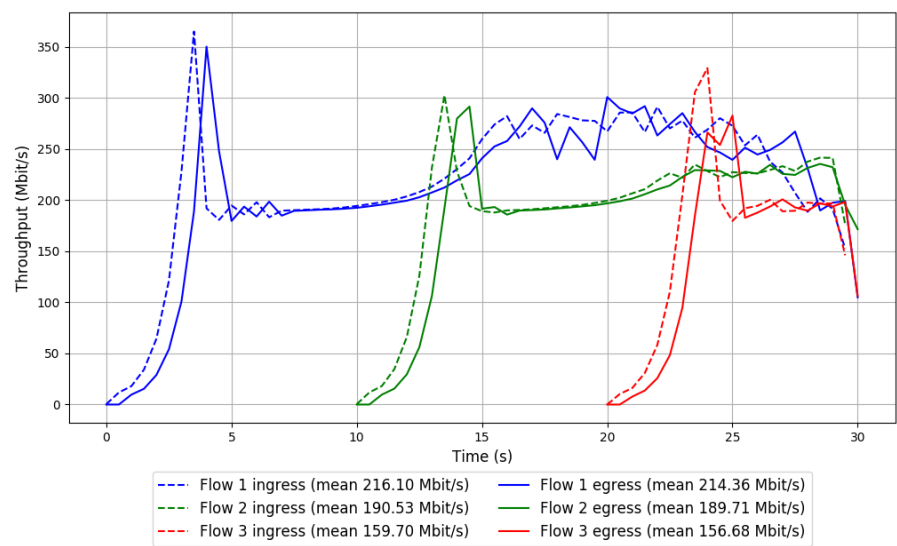


```
Run 1: Statistics of PCC-Expr

Start at: 2019-08-26 21:21:06
End at: 2019-08-26 21:21:36
Local clock offset: 0.04 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2019-08-27 03:25:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 391.02 Mbit/s
95th percentile per-packet one-way delay: 240.217 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 214.36 Mbit/s
95th percentile per-packet one-way delay: 248.714 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 189.71 Mbit/s
95th percentile per-packet one-way delay: 184.401 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 156.68 Mbit/s
95th percentile per-packet one-way delay: 235.923 ms
Loss rate: 4.03%
```

Run 1: Report of PCC-Expr — Data Link

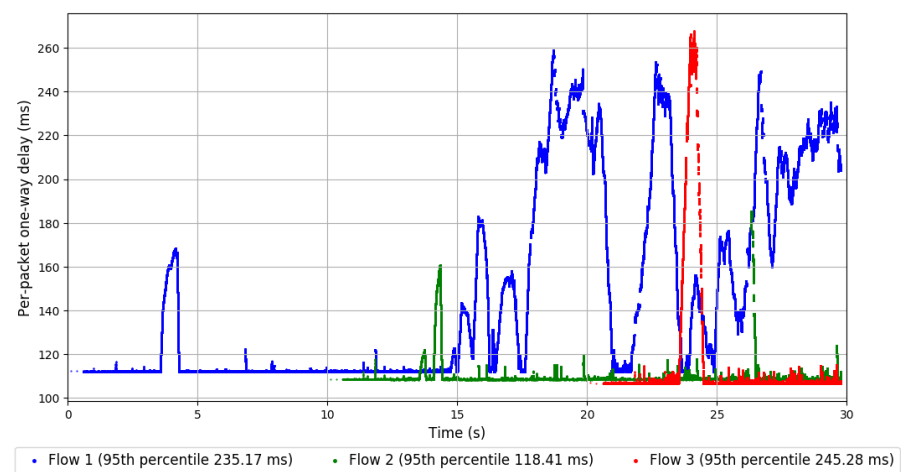
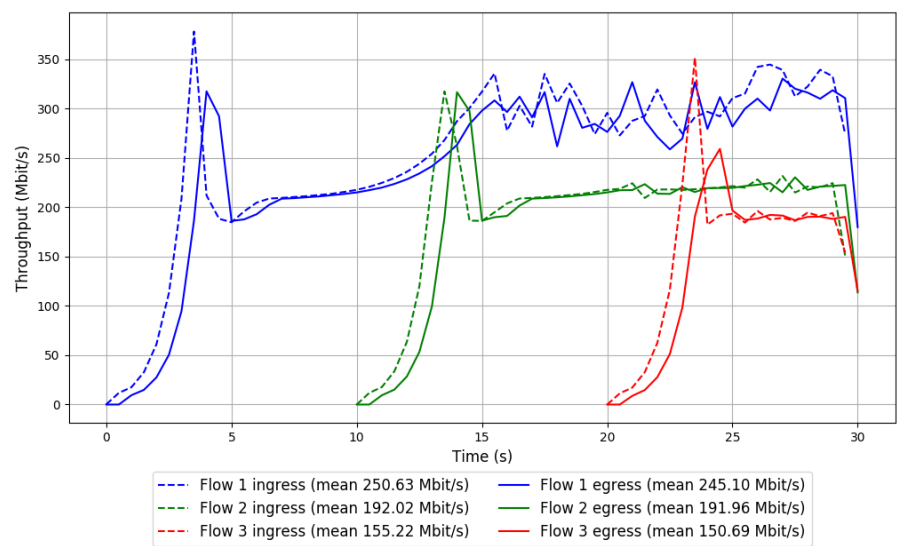


Run 2: Statistics of PCC-Expr

Start at: 2019-08-26 22:04:37
End at: 2019-08-26 22:05:07
Local clock offset: -0.051 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2019-08-27 03:25:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 421.31 Mbit/s
95th percentile per-packet one-way delay: 230.330 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 245.10 Mbit/s
95th percentile per-packet one-way delay: 235.168 ms
Loss rate: 2.93%
-- Flow 2:
Average throughput: 191.96 Mbit/s
95th percentile per-packet one-way delay: 118.413 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 150.69 Mbit/s
95th percentile per-packet one-way delay: 245.285 ms
Loss rate: 5.03%

Run 2: Report of PCC-Expr — Data Link

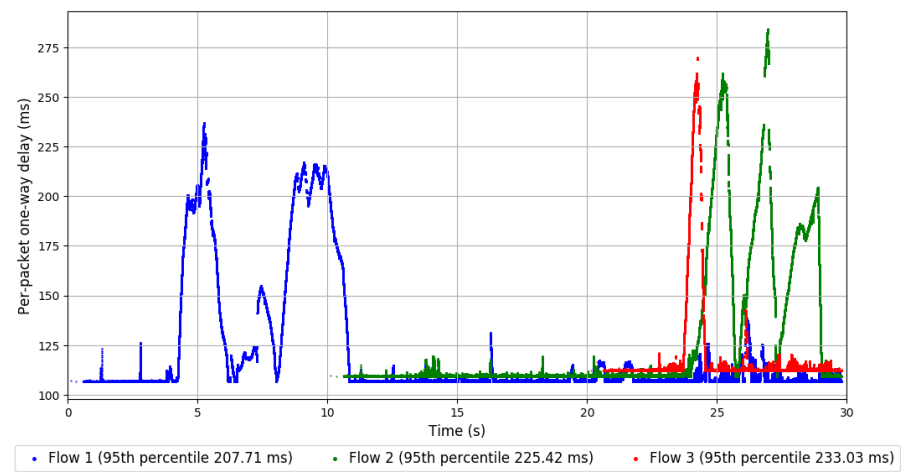
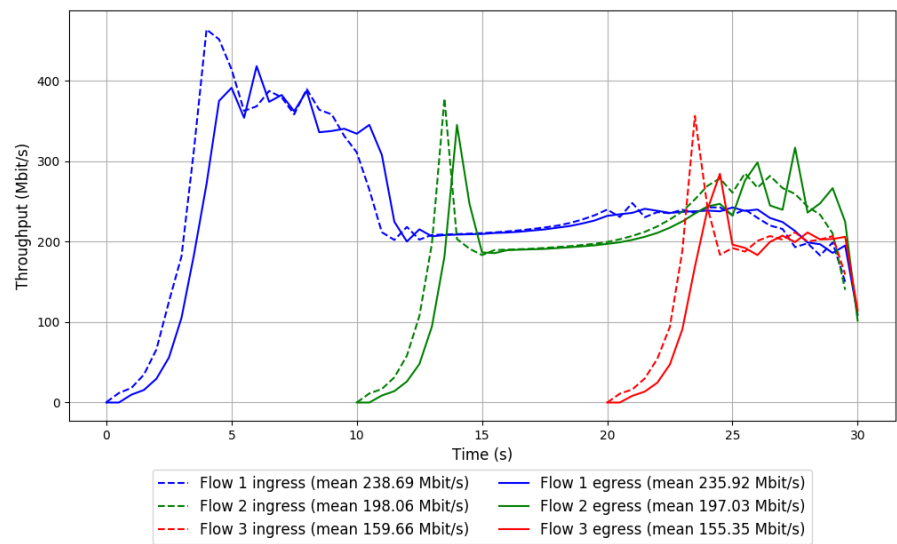


Run 3: Statistics of PCC-Expr

Start at: 2019-08-26 22:48:13
End at: 2019-08-26 22:48:43
Local clock offset: -0.061 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2019-08-27 03:25:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 416.95 Mbit/s
95th percentile per-packet one-way delay: 209.959 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 235.92 Mbit/s
95th percentile per-packet one-way delay: 207.714 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 197.03 Mbit/s
95th percentile per-packet one-way delay: 225.419 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 155.35 Mbit/s
95th percentile per-packet one-way delay: 233.028 ms
Loss rate: 4.86%

Run 3: Report of PCC-Expr — Data Link

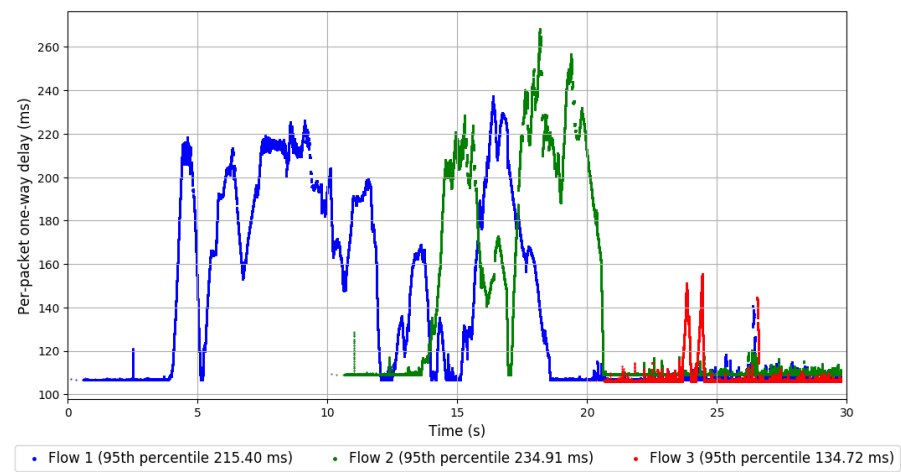
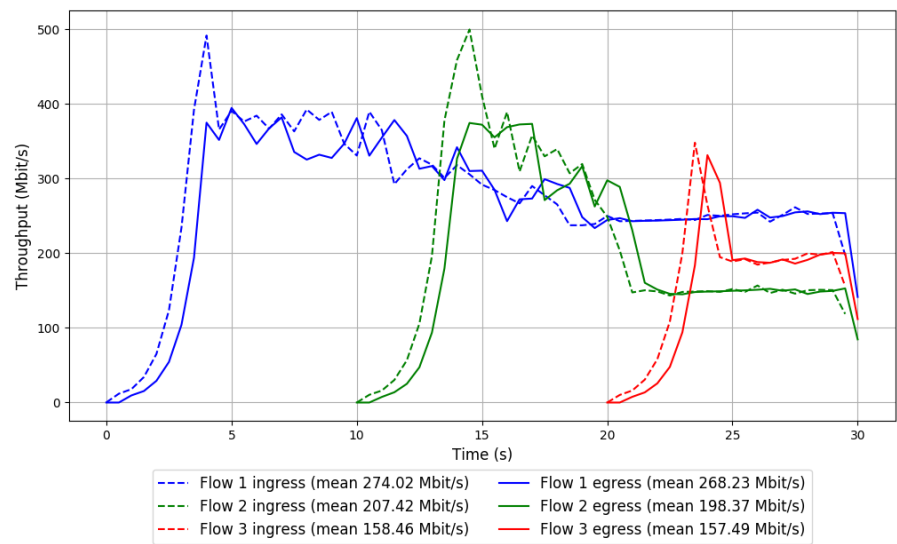


```
Run 4: Statistics of PCC-Expr

Start at: 2019-08-26 23:31:47
End at: 2019-08-26 23:32:17
Local clock offset: -0.144 ms
Remote clock offset: -0.17 ms

# Below is generated by plot.py at 2019-08-27 03:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 450.72 Mbit/s
95th percentile per-packet one-way delay: 219.245 ms
Loss rate: 3.59%
-- Flow 1:
Average throughput: 268.23 Mbit/s
95th percentile per-packet one-way delay: 215.400 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 198.37 Mbit/s
95th percentile per-packet one-way delay: 234.914 ms
Loss rate: 5.42%
-- Flow 3:
Average throughput: 157.49 Mbit/s
95th percentile per-packet one-way delay: 134.715 ms
Loss rate: 2.78%
```

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-08-27 00:15:44

End at: 2019-08-27 00:16:14

Local clock offset: 0.017 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2019-08-27 03:30:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 398.20 Mbit/s

95th percentile per-packet one-way delay: 207.976 ms

Loss rate: 2.42%

-- Flow 1:

Average throughput: 226.48 Mbit/s

95th percentile per-packet one-way delay: 221.725 ms

Loss rate: 2.33%

-- Flow 2:

Average throughput: 185.50 Mbit/s

95th percentile per-packet one-way delay: 117.556 ms

Loss rate: 1.43%

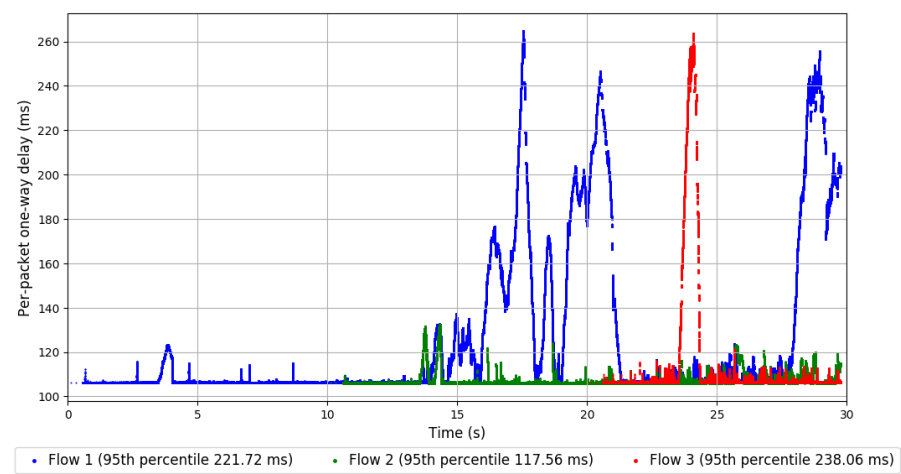
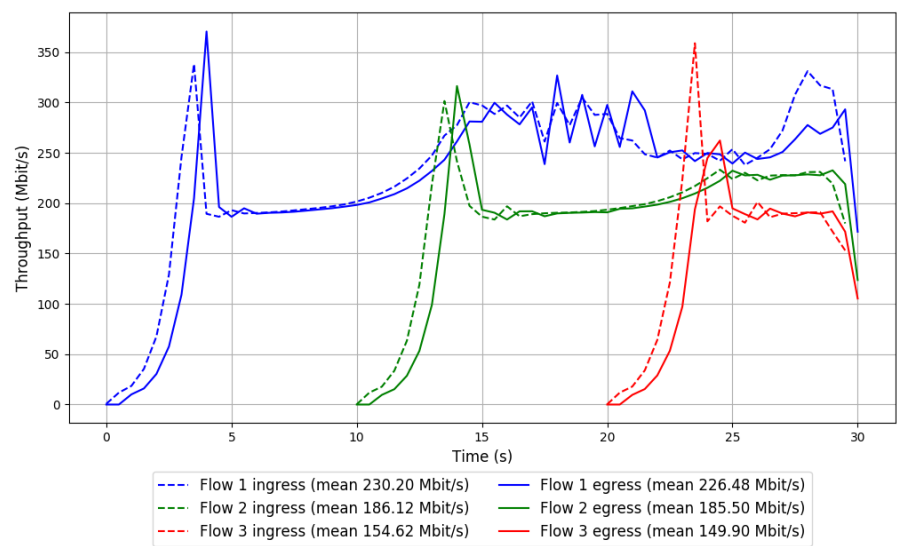
-- Flow 3:

Average throughput: 149.90 Mbit/s

95th percentile per-packet one-way delay: 238.060 ms

Loss rate: 5.19%

Run 5: Report of PCC-Expr — Data Link

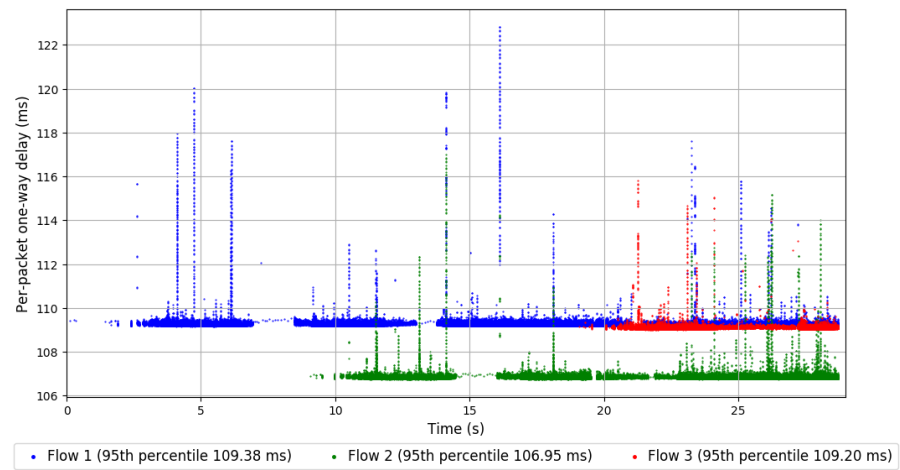
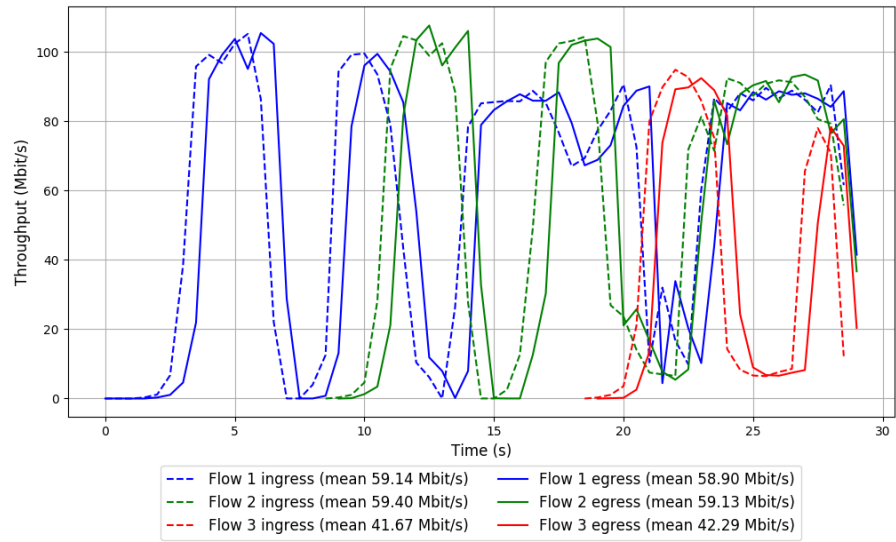


Run 1: Statistics of QUIC Cubic

Start at: 2019-08-26 21:40:56
End at: 2019-08-26 21:41:26
Local clock offset: -0.019 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-08-27 03:30:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 113.79 Mbit/s
95th percentile per-packet one-way delay: 109.345 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 58.90 Mbit/s
95th percentile per-packet one-way delay: 109.380 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 106.955 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 42.29 Mbit/s
95th percentile per-packet one-way delay: 109.198 ms
Loss rate: 0.76%

Run 1: Report of QUIC Cubic — Data Link

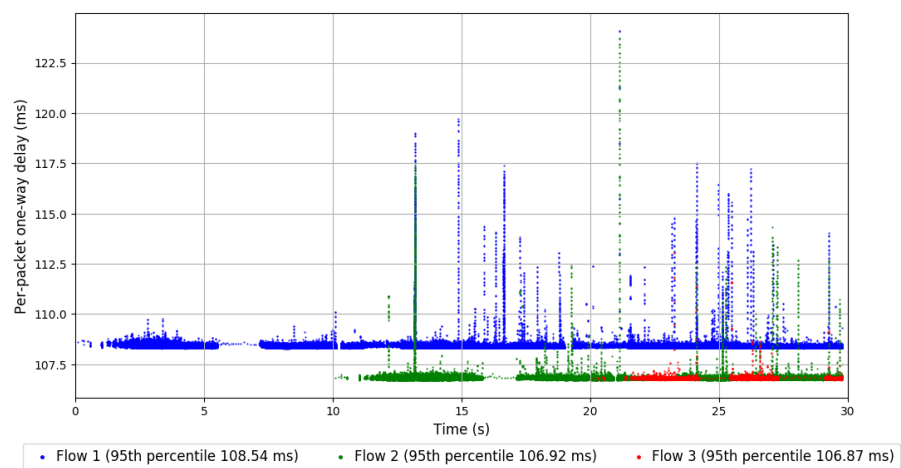
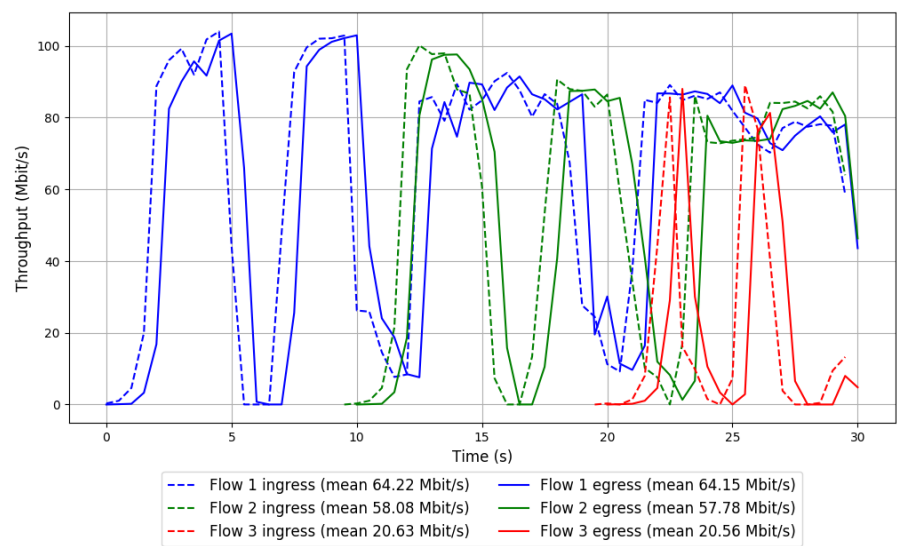


Run 2: Statistics of QUIC Cubic

Start at: 2019-08-26 22:24:39
End at: 2019-08-26 22:25:09
Local clock offset: 0.054 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2019-08-27 03:30:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 109.19 Mbit/s
95th percentile per-packet one-way delay: 108.500 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 64.15 Mbit/s
95th percentile per-packet one-way delay: 108.540 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 57.78 Mbit/s
95th percentile per-packet one-way delay: 106.922 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 20.56 Mbit/s
95th percentile per-packet one-way delay: 106.873 ms
Loss rate: 2.55%

Run 2: Report of QUIC Cubic — Data Link

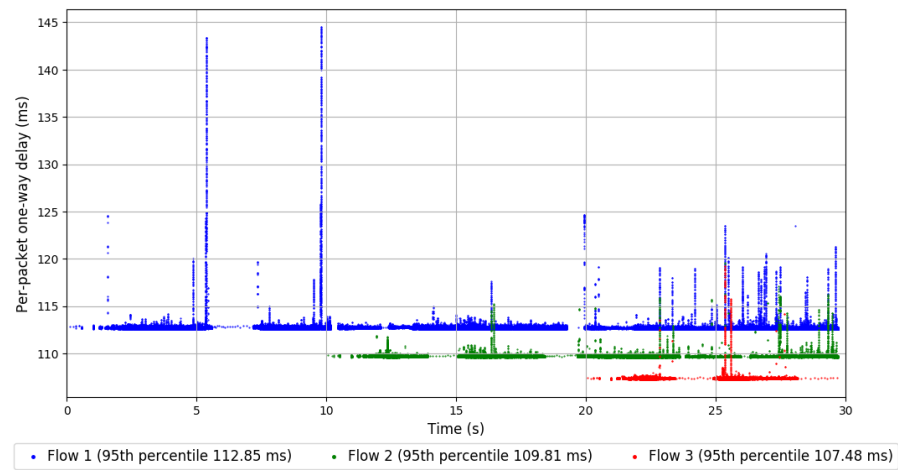
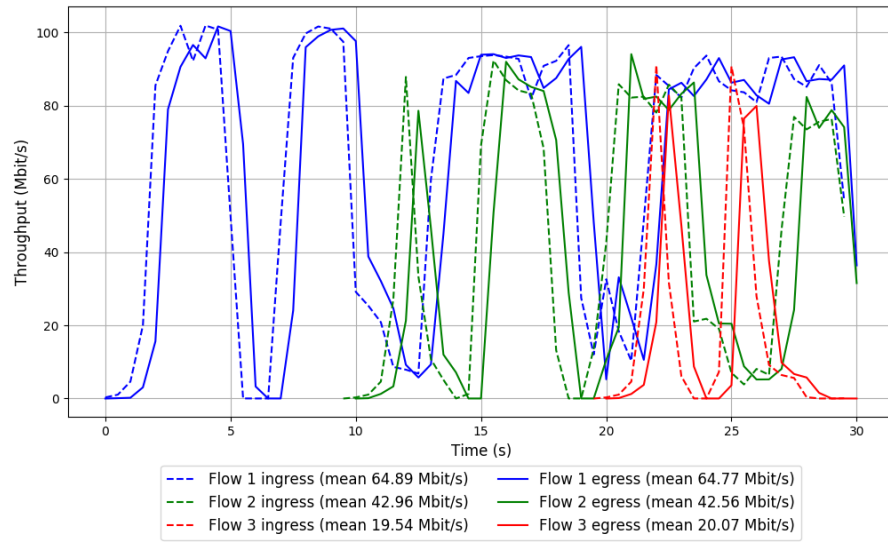


Run 3: Statistics of QUIC Cubic

Start at: 2019-08-26 23:08:17
End at: 2019-08-26 23:08:47
Local clock offset: 0.532 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2019-08-27 03:30:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.53 Mbit/s
95th percentile per-packet one-way delay: 112.807 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 64.77 Mbit/s
95th percentile per-packet one-way delay: 112.847 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 42.56 Mbit/s
95th percentile per-packet one-way delay: 109.805 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 20.07 Mbit/s
95th percentile per-packet one-way delay: 107.483 ms
Loss rate: 0.02%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-08-26 23:51:48

End at: 2019-08-26 23:52:18

Local clock offset: -0.216 ms

Remote clock offset: 0.186 ms

Below is generated by plot.py at 2019-08-27 03:30:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.74 Mbit/s

95th percentile per-packet one-way delay: 111.543 ms

Loss rate: 1.97%

-- Flow 1:

Average throughput: 54.62 Mbit/s

95th percentile per-packet one-way delay: 108.171 ms

Loss rate: 1.18%

-- Flow 2:

Average throughput: 45.39 Mbit/s

95th percentile per-packet one-way delay: 106.745 ms

Loss rate: 1.67%

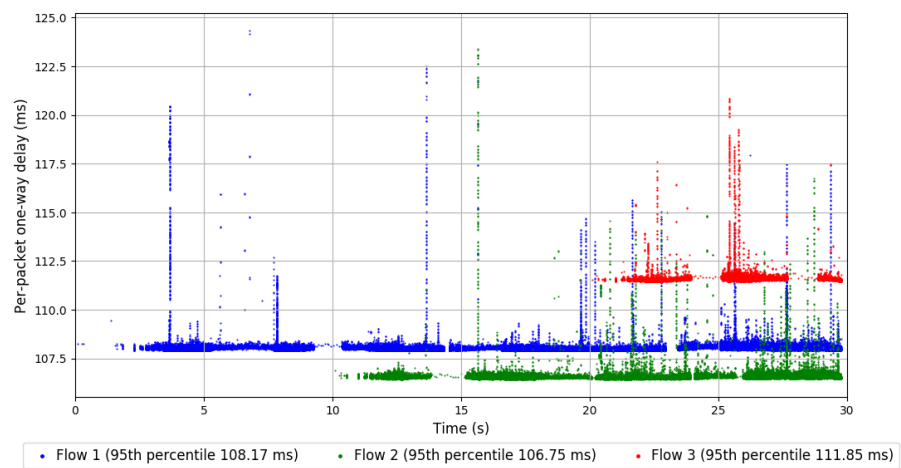
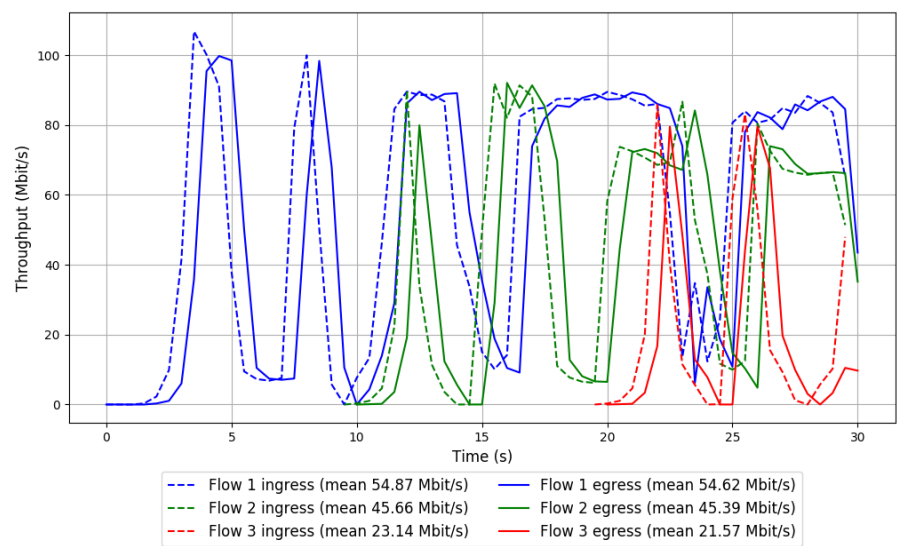
-- Flow 3:

Average throughput: 21.57 Mbit/s

95th percentile per-packet one-way delay: 111.848 ms

Loss rate: 8.85%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-08-27 00:35:14

End at: 2019-08-27 00:35:44

Local clock offset: 0.018 ms

Remote clock offset: 0.188 ms

Below is generated by plot.py at 2019-08-27 03:30:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 109.752 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 109.784 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 46.50 Mbit/s

95th percentile per-packet one-way delay: 109.559 ms

Loss rate: 1.90%

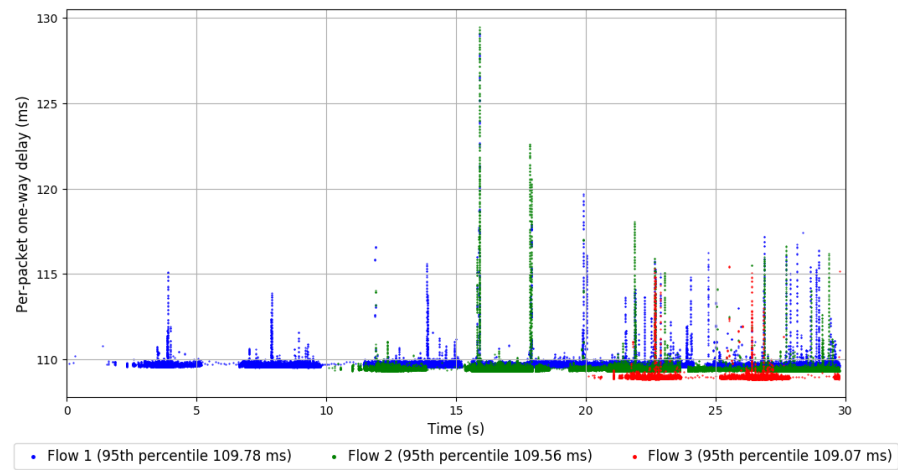
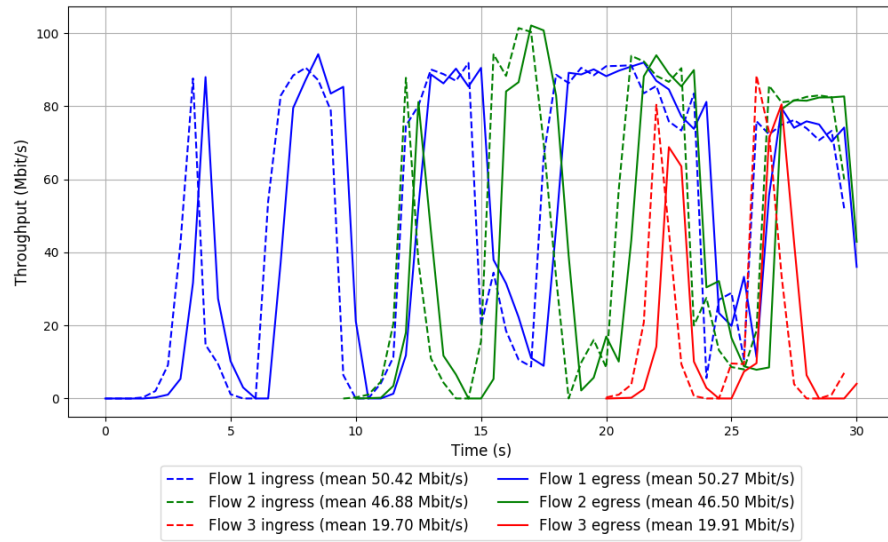
-- Flow 3:

Average throughput: 19.91 Mbit/s

95th percentile per-packet one-way delay: 109.072 ms

Loss rate: 1.03%

Run 5: Report of QUIC Cubic — Data Link

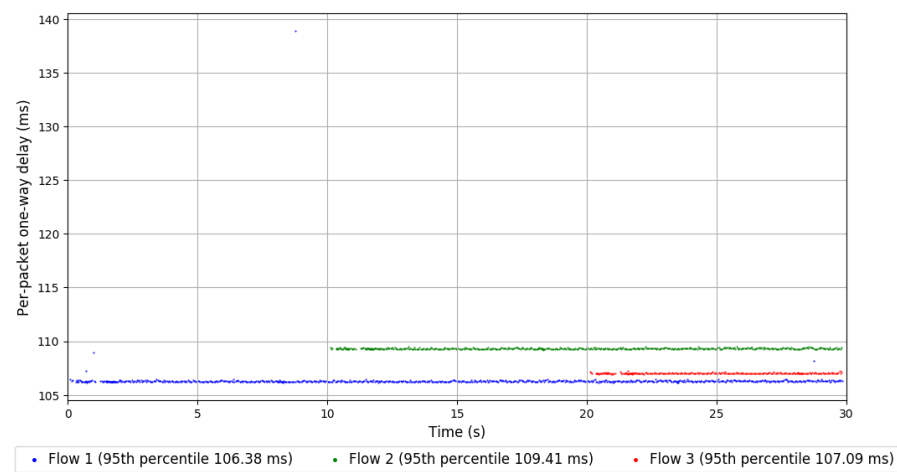
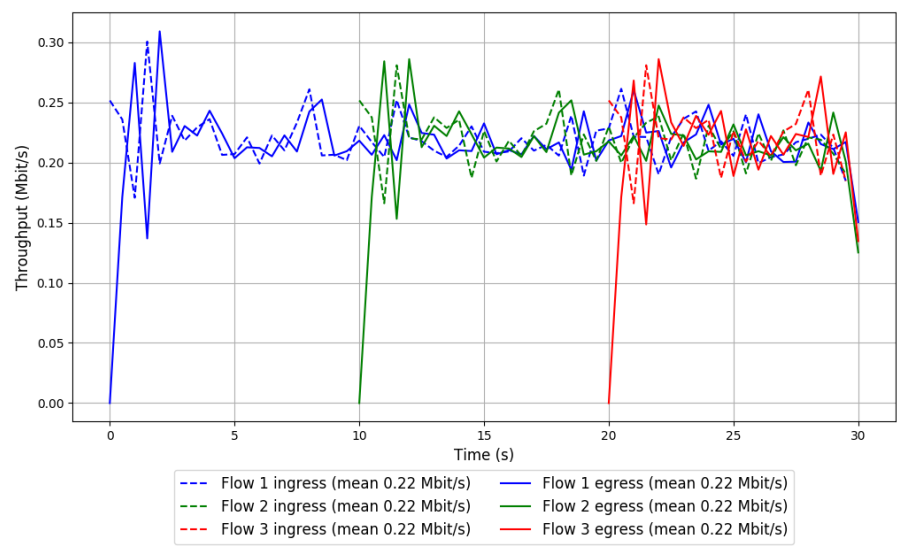


```
Run 1: Statistics of SCReAM

Start at: 2019-08-26 21:33:55
End at: 2019-08-26 21:34:25
Local clock offset: 0.111 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2019-08-27 03:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.372 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.382 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.407 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.091 ms
Loss rate: 2.22%
```

Run 1: Report of SReAM — Data Link

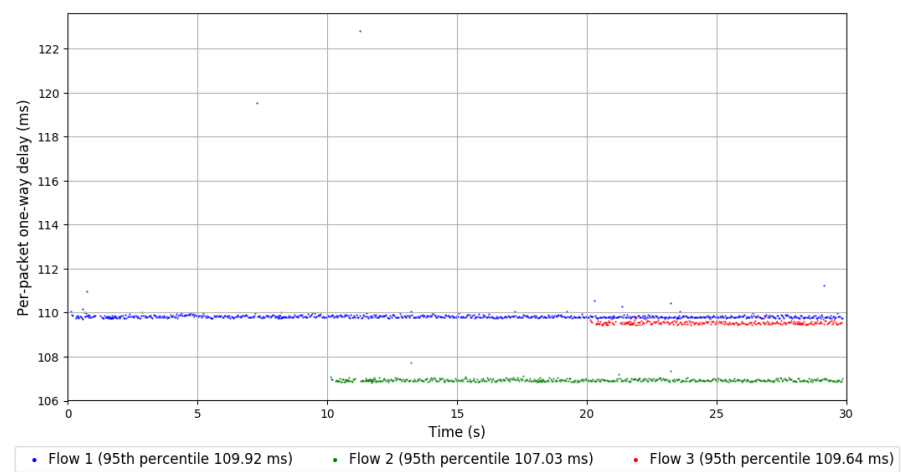
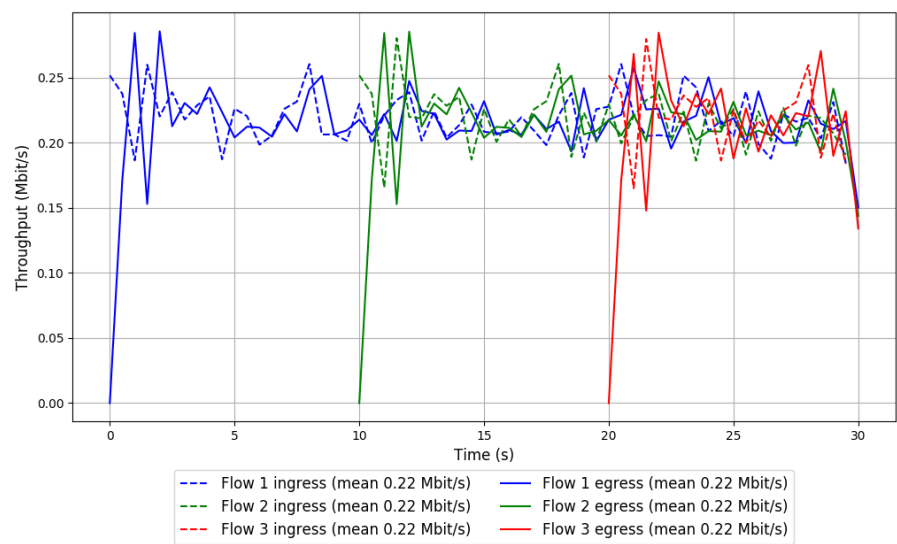


Run 2: Statistics of SReAM

Start at: 2019-08-26 22:17:30
End at: 2019-08-26 22:18:00
Local clock offset: 0.062 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2019-08-27 03:30:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.892 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.923 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.027 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.643 ms
Loss rate: 2.22%

Run 2: Report of SReAM — Data Link

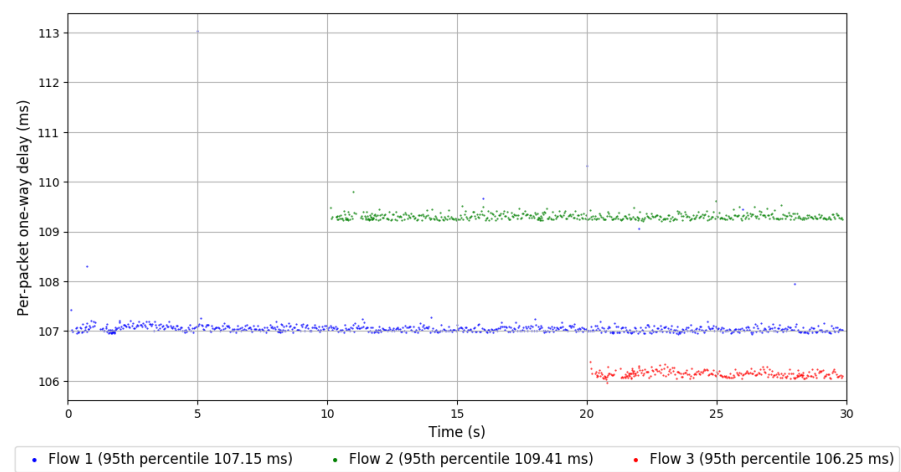
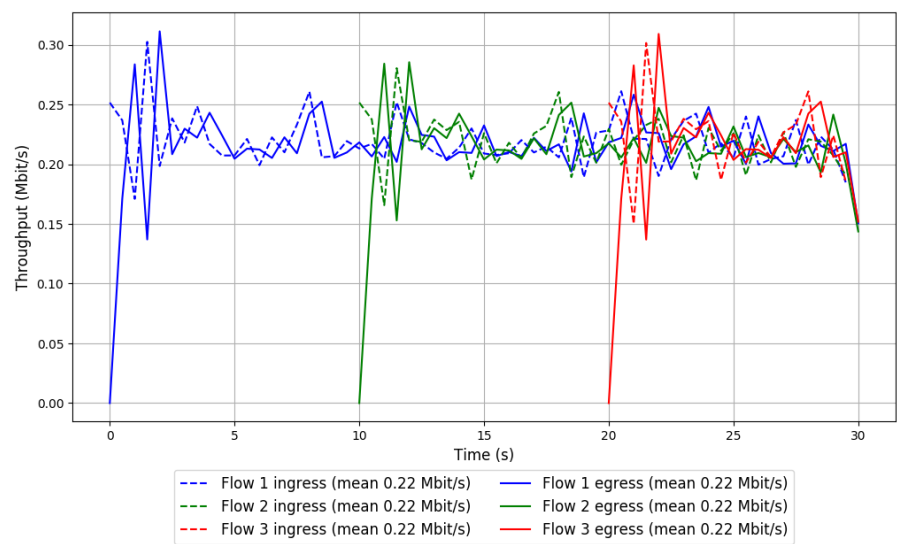


Run 3: Statistics of SReAM

Start at: 2019-08-26 23:01:12
End at: 2019-08-26 23:01:42
Local clock offset: -0.082 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2019-08-27 03:30:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.362 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.151 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.413 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.252 ms
Loss rate: 1.85%

Run 3: Report of SReAM — Data Link

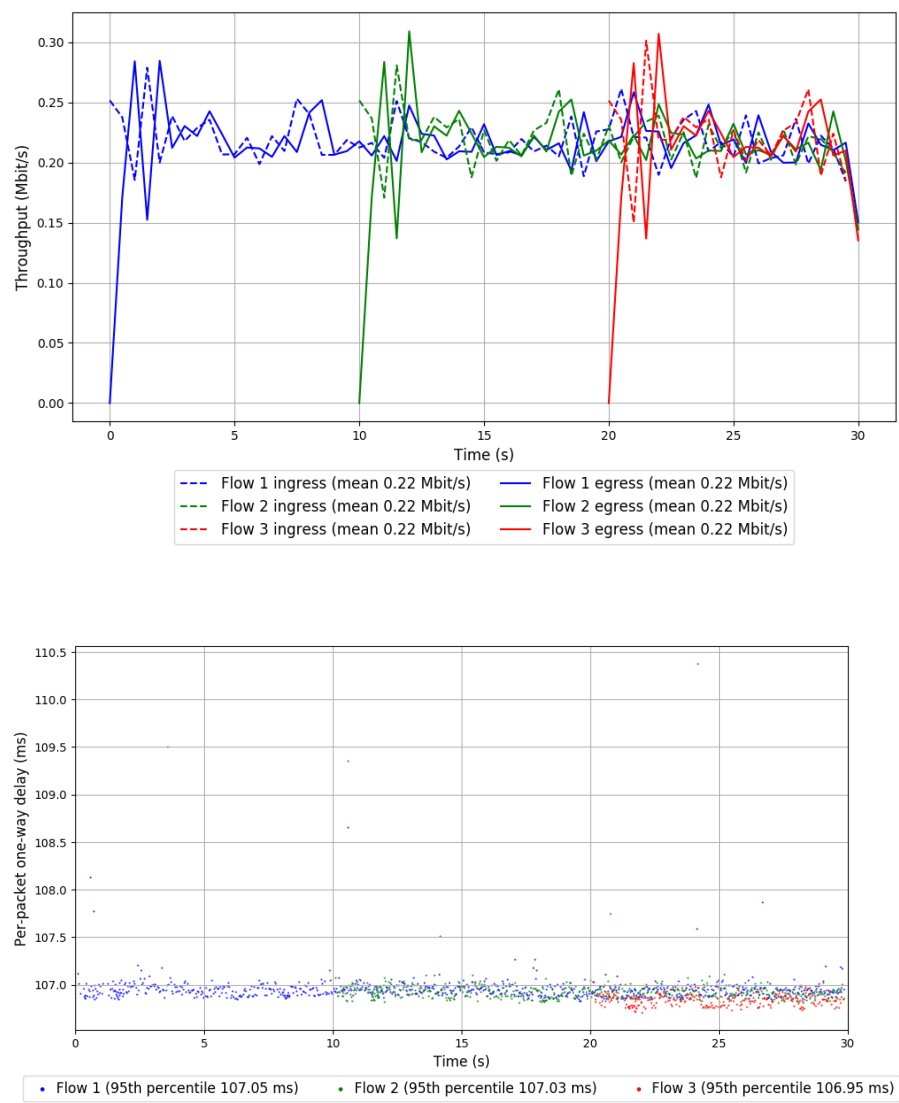


Run 4: Statistics of SReAM

Start at: 2019-08-26 23:44:43
End at: 2019-08-26 23:45:13
Local clock offset: -0.057 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2019-08-27 03:30:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 107.034 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.050 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.027 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.953 ms
Loss rate: 2.23%

Run 4: Report of SCSReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2019-08-27 00:28:35

End at: 2019-08-27 00:29:05

Local clock offset: -0.13 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2019-08-27 03:30:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 108.948 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 108.972 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 106.822 ms

Loss rate: 1.04%

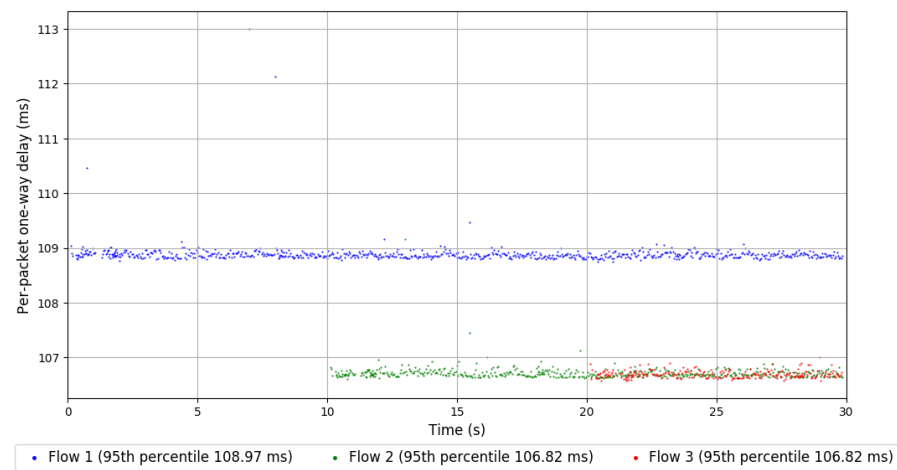
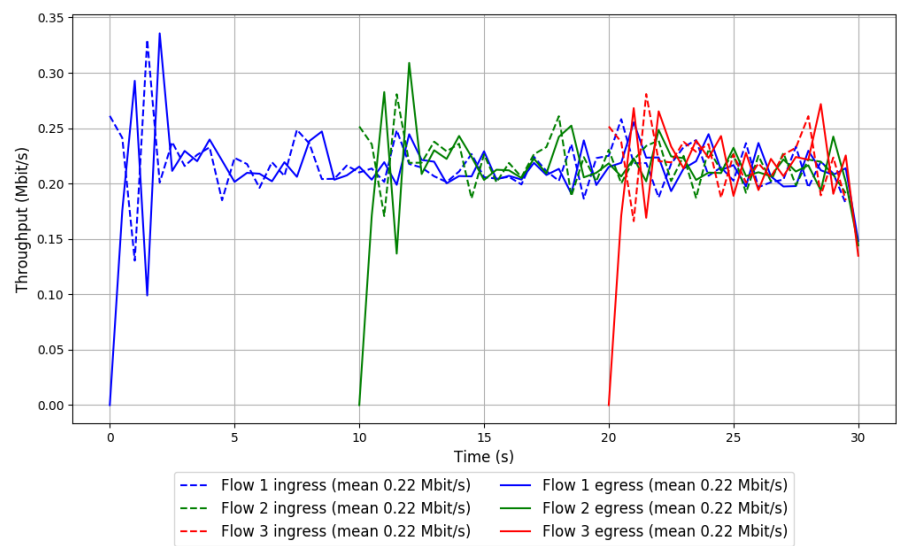
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 106.823 ms

Loss rate: 2.22%

Run 5: Report of SReAM — Data Link

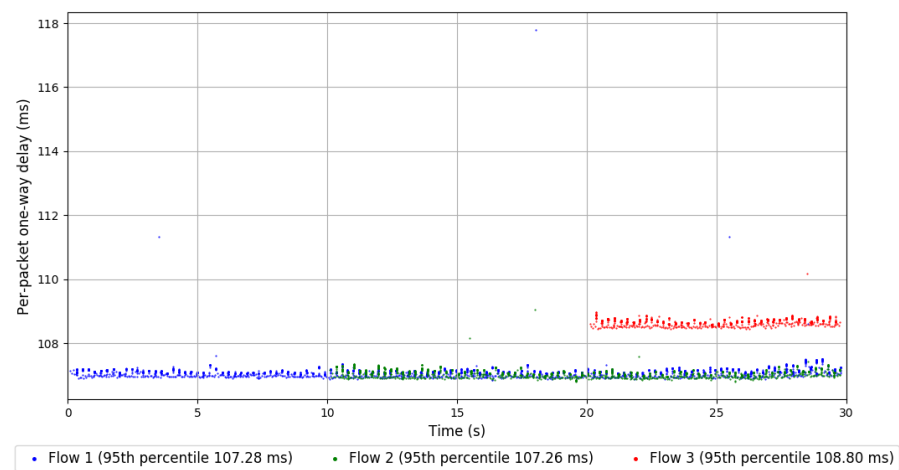
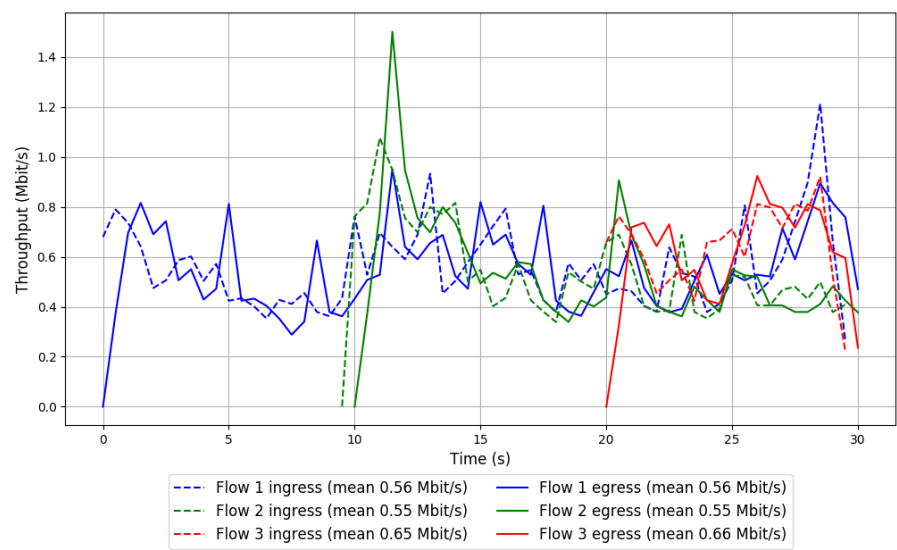


Run 1: Statistics of Sprout

Start at: 2019-08-26 21:32:38
End at: 2019-08-26 21:33:08
Local clock offset: 0.16 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-08-27 03:30:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 108.734 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 107.283 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 107.264 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 108.804 ms
Loss rate: 1.68%

Run 1: Report of Sprout — Data Link

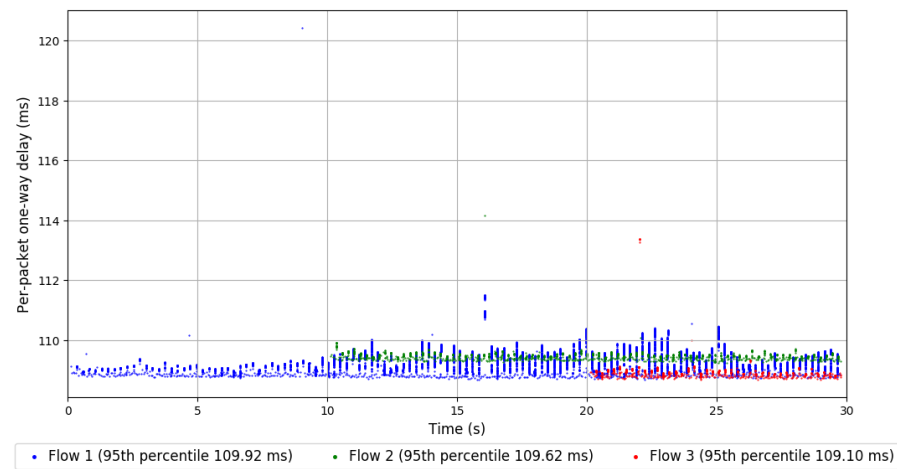
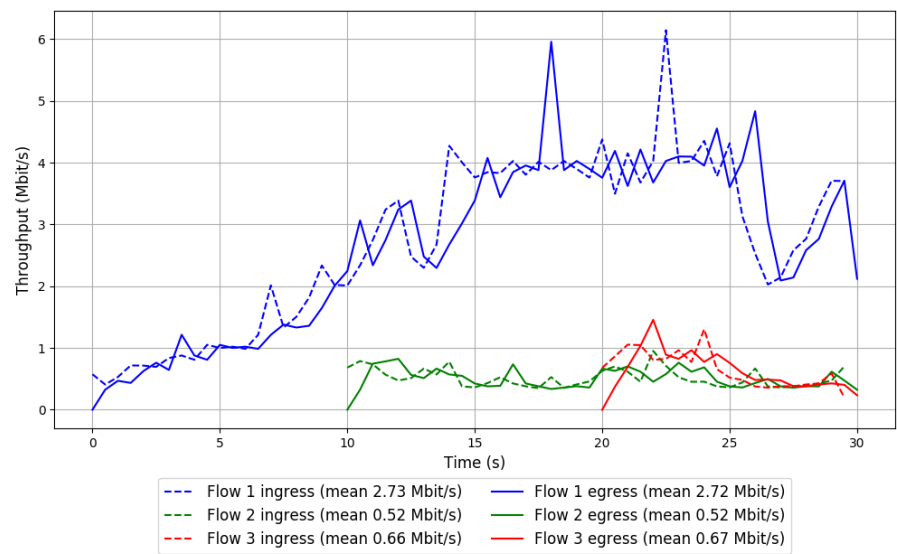


Run 2: Statistics of Sprout

Start at: 2019-08-26 22:16:14
End at: 2019-08-26 22:16:44
Local clock offset: -0.733 ms
Remote clock offset: -0.398 ms

```
# Below is generated by plot.py at 2019-08-27 03:30:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 109.866 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 109.920 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 109.625 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 109.099 ms
Loss rate: 1.15%
```

Run 2: Report of Sprout — Data Link

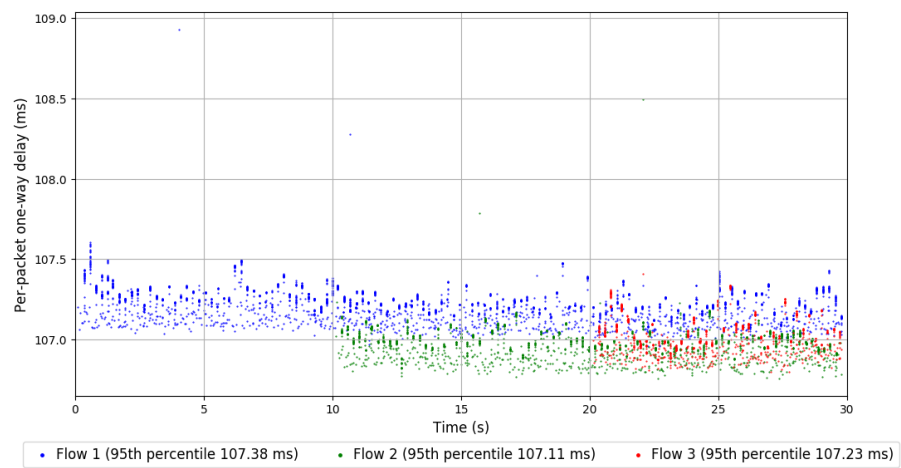
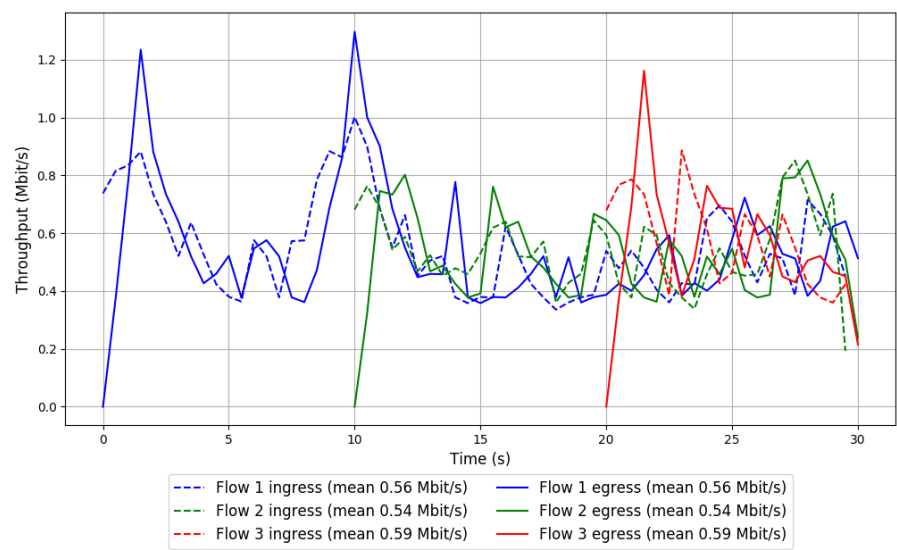


Run 3: Statistics of Sprout

Start at: 2019-08-26 22:59:55
End at: 2019-08-26 23:00:25
Local clock offset: -0.015 ms
Remote clock offset: -0.102 ms

```
# Below is generated by plot.py at 2019-08-27 03:30:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 107.334 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 107.382 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 107.107 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 107.235 ms
Loss rate: 1.83%
```

Run 3: Report of Sprout — Data Link

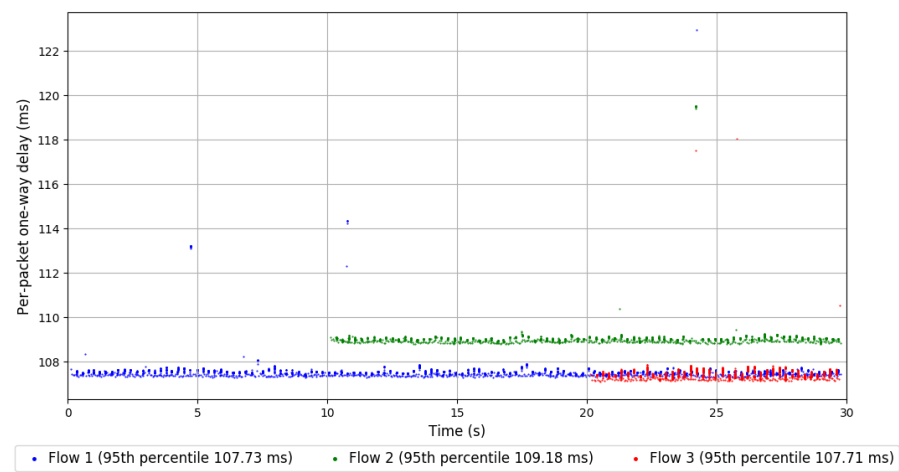
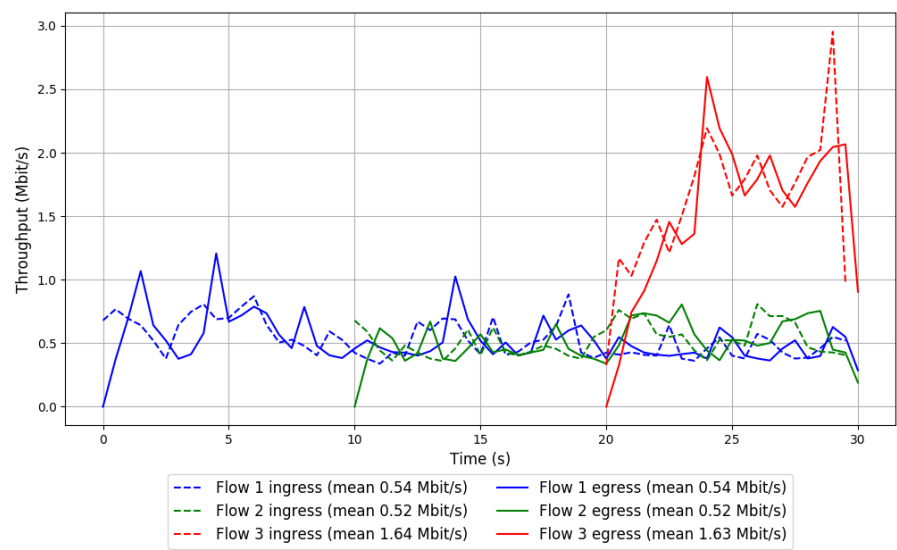


Run 4: Statistics of Sprout

Start at: 2019-08-26 23:43:26
End at: 2019-08-26 23:43:56
Local clock offset: -0.141 ms
Remote clock offset: -0.578 ms

```
# Below is generated by plot.py at 2019-08-27 03:30:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 109.110 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 107.728 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 109.184 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 107.714 ms
Loss rate: 3.02%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-08-27 00:27:18

End at: 2019-08-27 00:27:48

Local clock offset: 0.117 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2019-08-27 03:30:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 109.551 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 107.351 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 109.660 ms

Loss rate: 1.63%

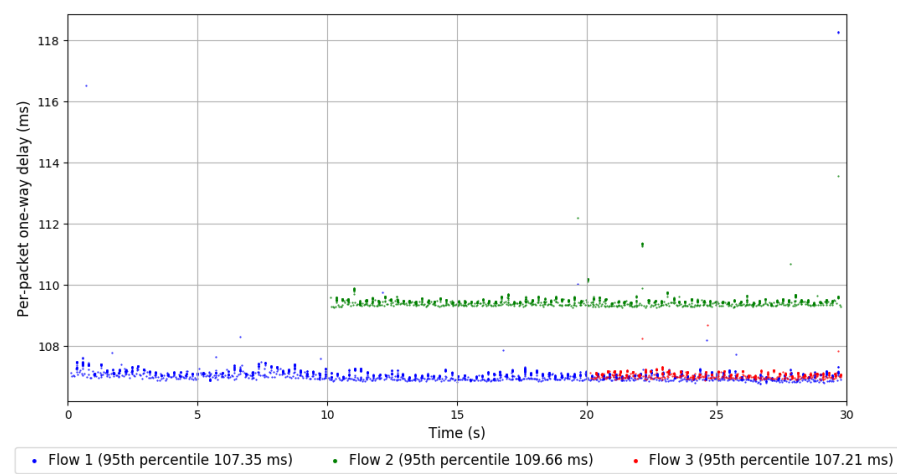
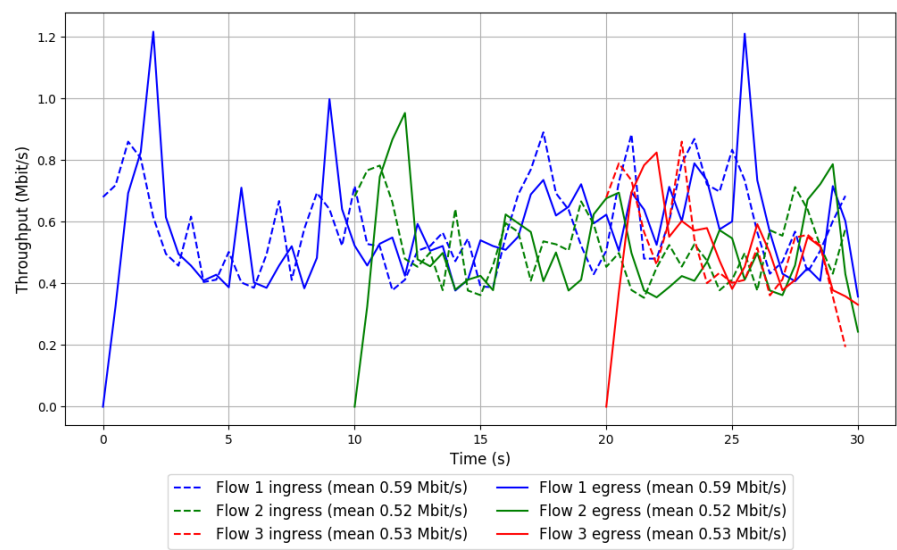
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 107.208 ms

Loss rate: 0.46%

Run 5: Report of Sprout — Data Link

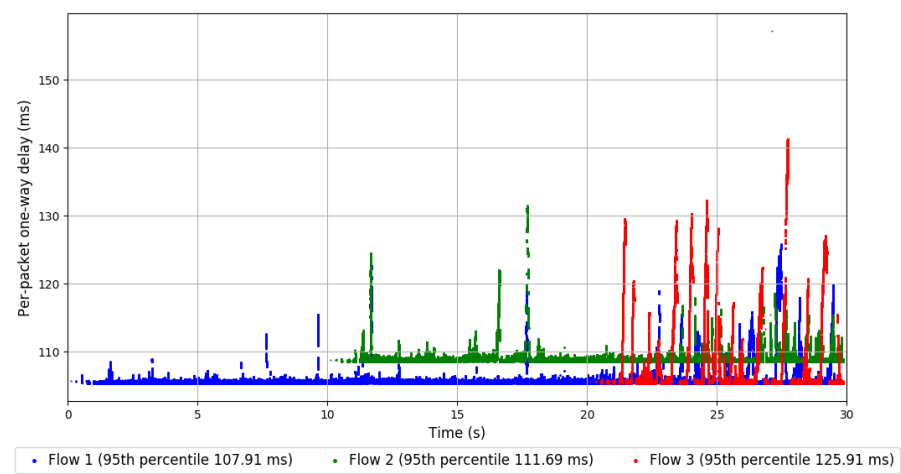
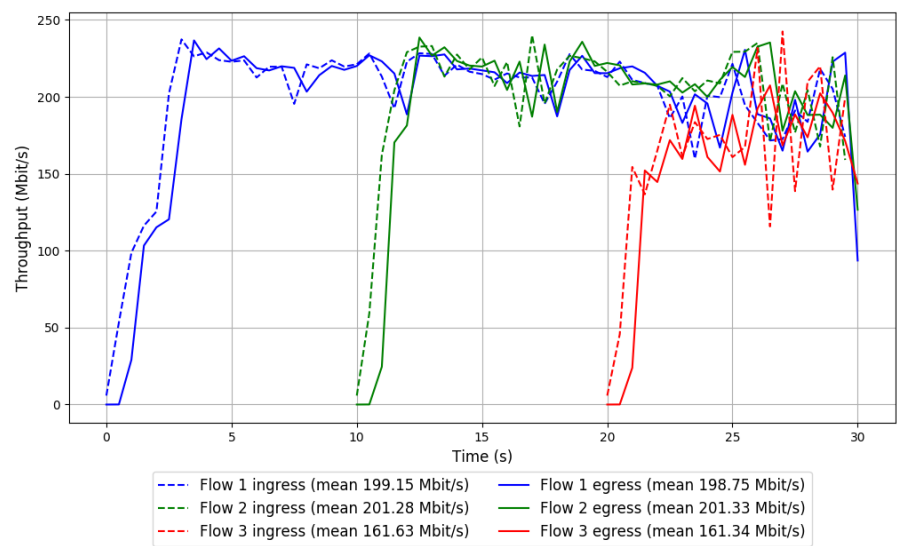


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-08-26 21:23:04
End at: 2019-08-26 21:23:34
Local clock offset: -0.527 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2019-08-27 03:35:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.14 Mbit/s
95th percentile per-packet one-way delay: 112.952 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 198.75 Mbit/s
95th percentile per-packet one-way delay: 107.905 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 201.33 Mbit/s
95th percentile per-packet one-way delay: 111.690 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 161.34 Mbit/s
95th percentile per-packet one-way delay: 125.911 ms
Loss rate: 2.52%
```

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

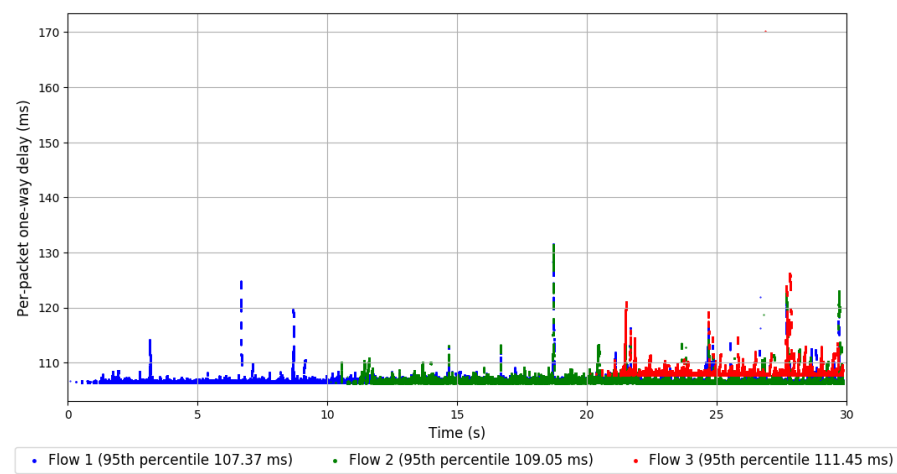
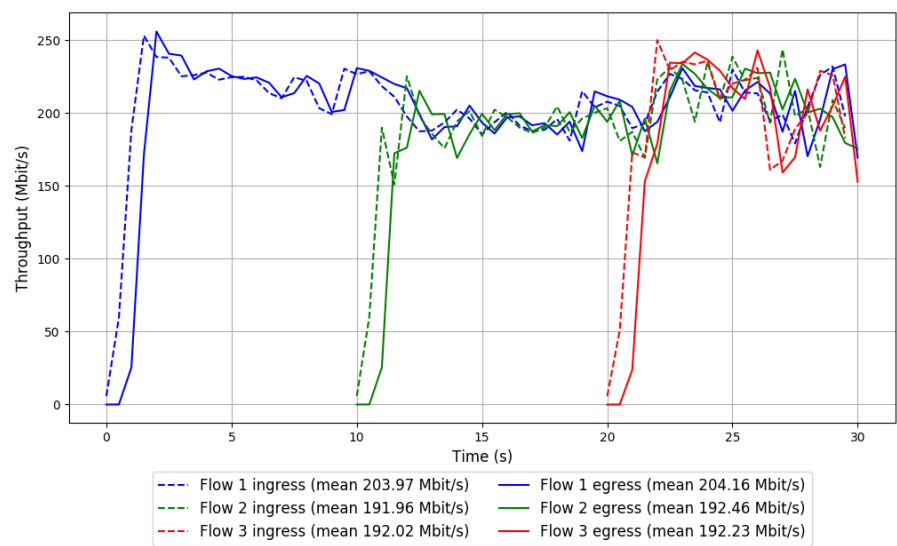


Run 2: Statistics of TaoVA-100x

Start at: 2019-08-26 22:06:37
End at: 2019-08-26 22:07:07
Local clock offset: -0.611 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-08-27 03:35:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 394.66 Mbit/s
95th percentile per-packet one-way delay: 109.143 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 204.16 Mbit/s
95th percentile per-packet one-way delay: 107.366 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 192.46 Mbit/s
95th percentile per-packet one-way delay: 109.048 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 192.23 Mbit/s
95th percentile per-packet one-way delay: 111.453 ms
Loss rate: 2.27%

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

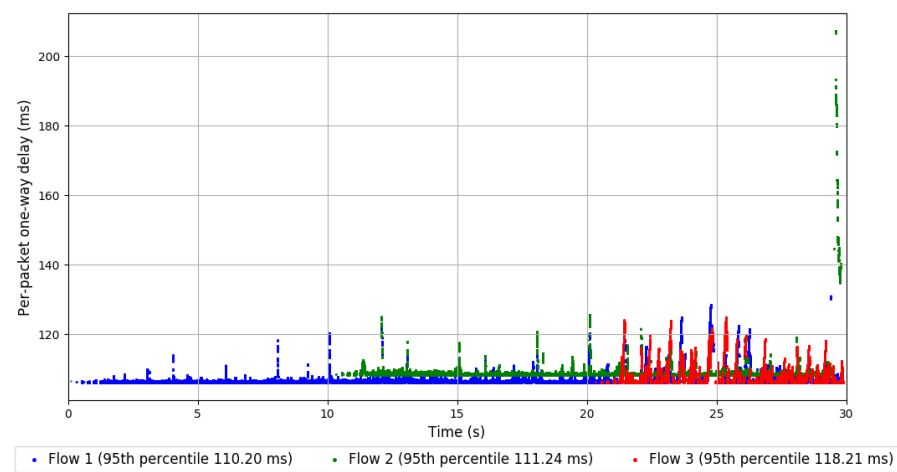
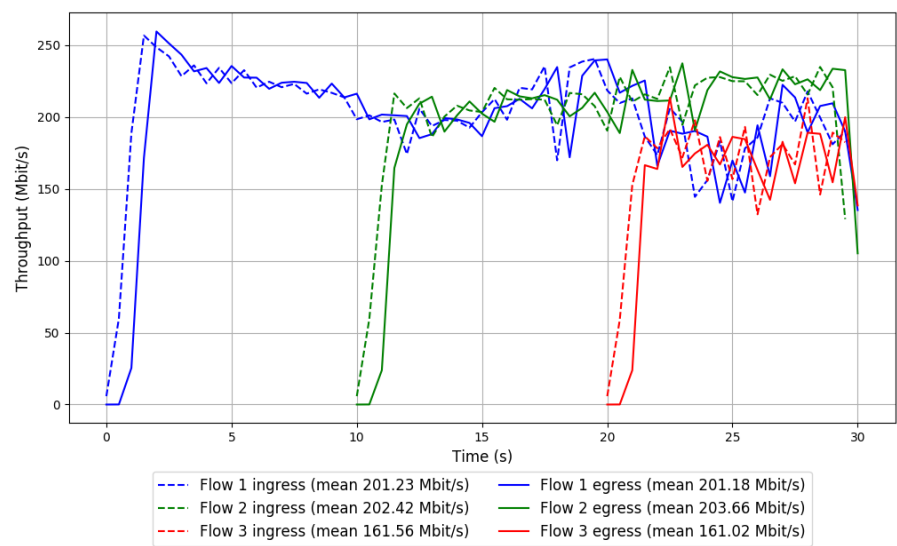


Run 3: Statistics of TaoVA-100x

Start at: 2019-08-26 22:50:15
End at: 2019-08-26 22:50:45
Local clock offset: -0.549 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2019-08-27 03:35:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 388.47 Mbit/s
95th percentile per-packet one-way delay: 112.720 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 201.18 Mbit/s
95th percentile per-packet one-way delay: 110.200 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 203.66 Mbit/s
95th percentile per-packet one-way delay: 111.241 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 161.02 Mbit/s
95th percentile per-packet one-way delay: 118.207 ms
Loss rate: 2.48%

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

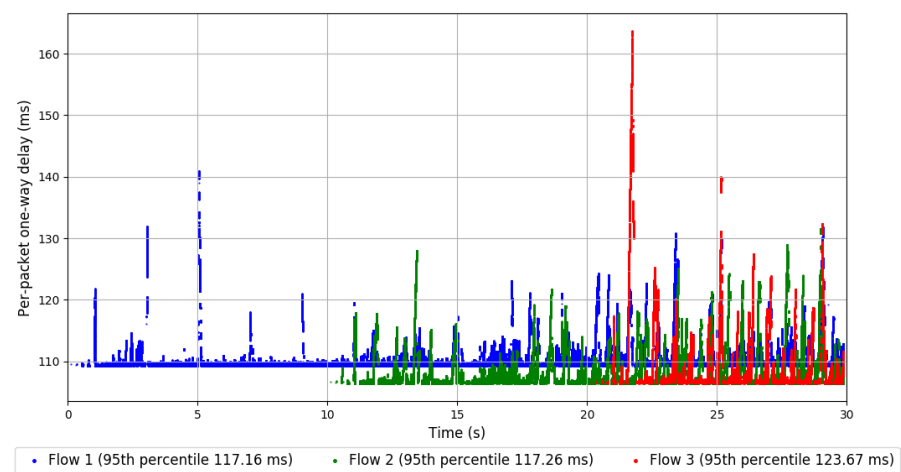
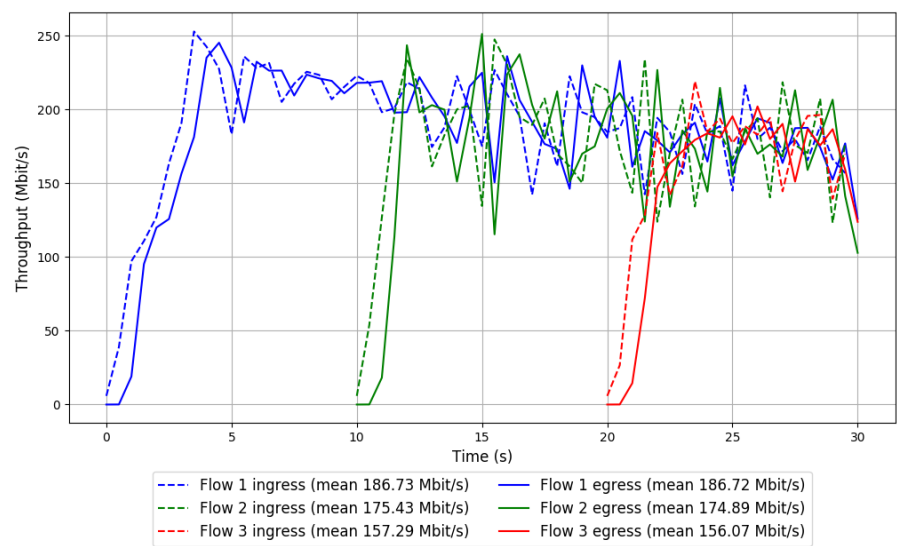


Run 4: Statistics of TaoVA-100x

Start at: 2019-08-26 23:33:53
End at: 2019-08-26 23:34:23
Local clock offset: -0.375 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2019-08-27 03:35:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 353.88 Mbit/s
95th percentile per-packet one-way delay: 118.125 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 186.72 Mbit/s
95th percentile per-packet one-way delay: 117.156 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 174.89 Mbit/s
95th percentile per-packet one-way delay: 117.264 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 156.07 Mbit/s
95th percentile per-packet one-way delay: 123.673 ms
Loss rate: 2.75%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-08-27 00:17:43

End at: 2019-08-27 00:18:13

Local clock offset: -0.086 ms

Remote clock offset: 0.136 ms

Below is generated by plot.py at 2019-08-27 03:36:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 388.20 Mbit/s

95th percentile per-packet one-way delay: 110.715 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 201.02 Mbit/s

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

Loss rate: 0.80%

-- Flow 2:

Average throughput: 189.03 Mbit/s

95th percentile per-packet one-way delay: 111.166 ms

Loss rate: 1.25%

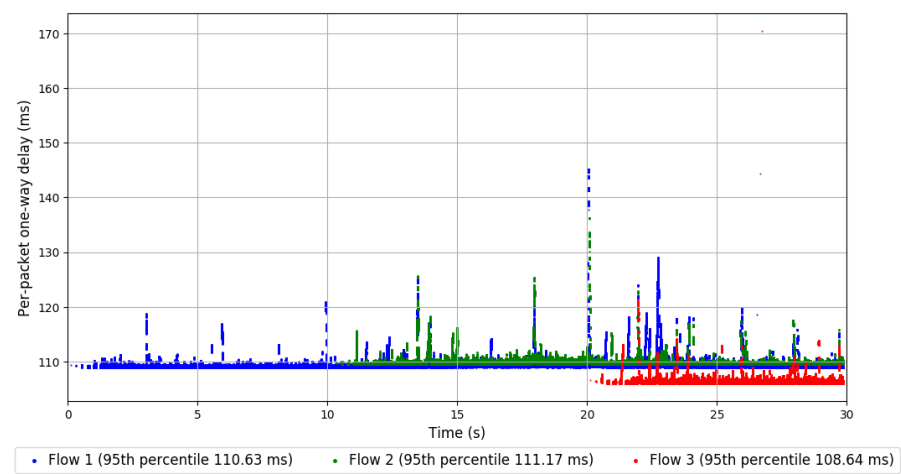
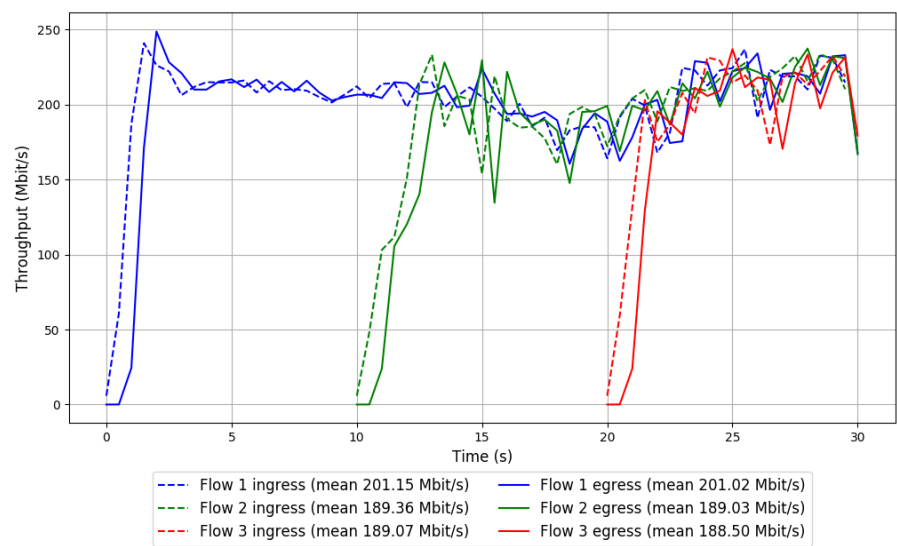
-- Flow 3:

Average throughput: 188.50 Mbit/s

95th percentile per-packet one-way delay: 108.636 ms

Loss rate: 2.48%

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

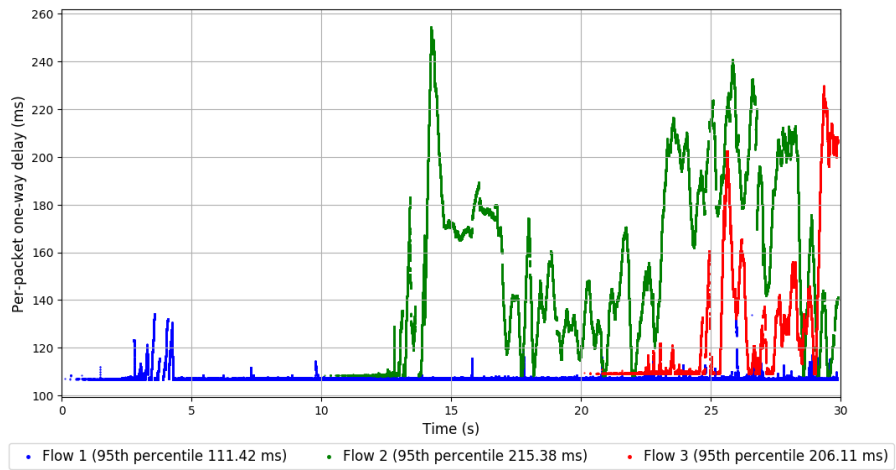
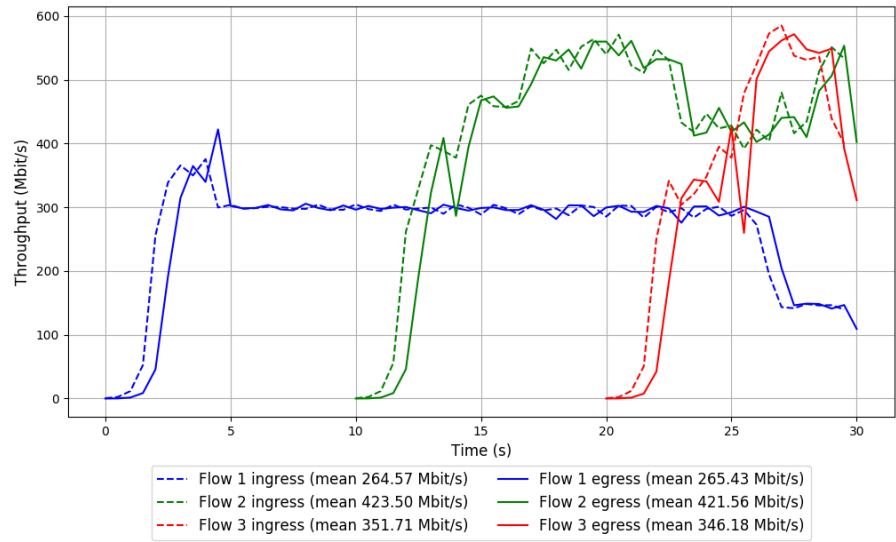


Run 1: Statistics of TCP Vegas

Start at: 2019-08-26 21:35:11
End at: 2019-08-26 21:35:41
Local clock offset: 0.094 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-08-27 03:38:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 658.50 Mbit/s
95th percentile per-packet one-way delay: 206.742 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 265.43 Mbit/s
95th percentile per-packet one-way delay: 111.423 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 421.56 Mbit/s
95th percentile per-packet one-way delay: 215.378 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 346.18 Mbit/s
95th percentile per-packet one-way delay: 206.113 ms
Loss rate: 3.70%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-08-26 22:18:46

End at: 2019-08-26 22:19:16

Local clock offset: 0.076 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2019-08-27 03:46:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 809.38 Mbit/s

95th percentile per-packet one-way delay: 153.308 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 459.36 Mbit/s

95th percentile per-packet one-way delay: 161.404 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 371.15 Mbit/s

95th percentile per-packet one-way delay: 121.784 ms

Loss rate: 1.26%

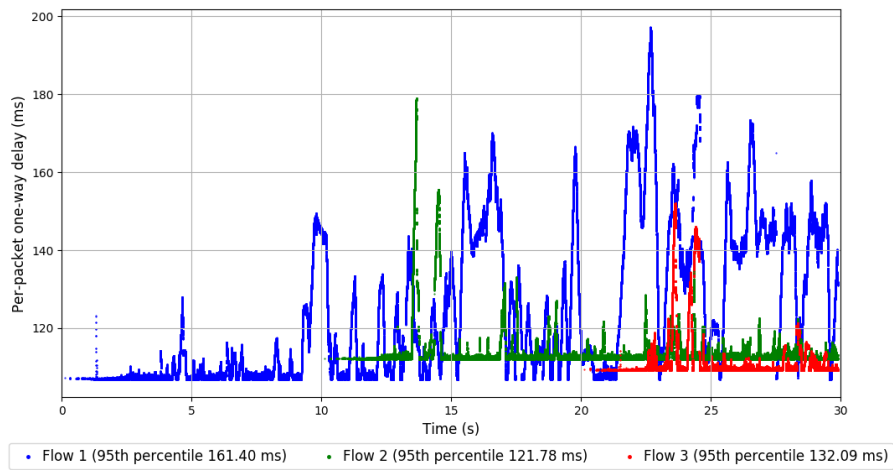
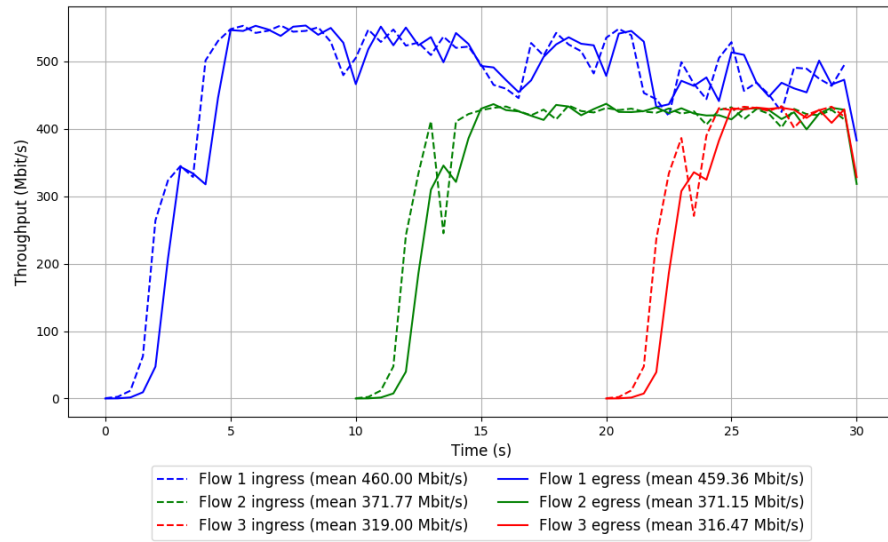
-- Flow 3:

Average throughput: 316.47 Mbit/s

95th percentile per-packet one-way delay: 132.089 ms

Loss rate: 2.95%

Run 2: Report of TCP Vegas — Data Link

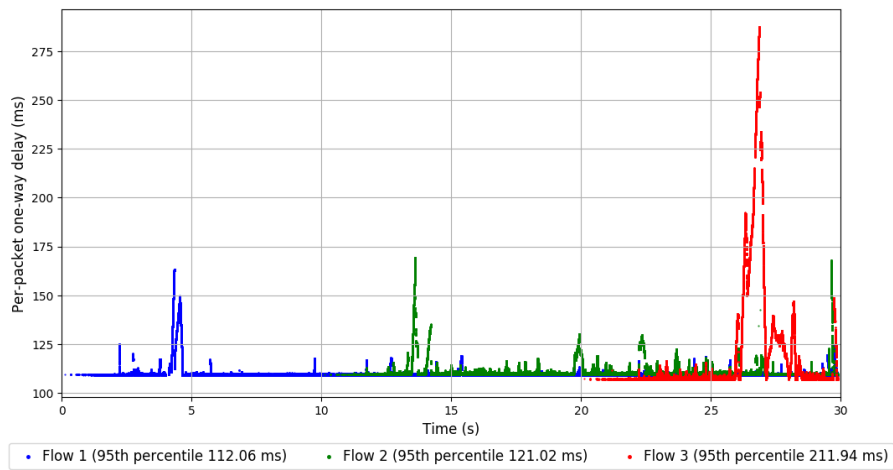
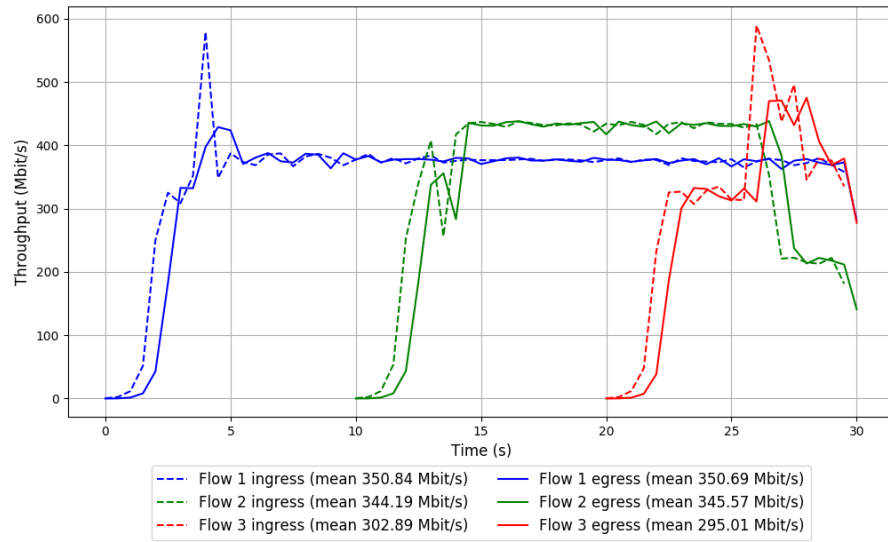


Run 3: Statistics of TCP Vegas

Start at: 2019-08-26 23:02:28
End at: 2019-08-26 23:02:58
Local clock offset: -0.006 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2019-08-27 03:46:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 676.71 Mbit/s
95th percentile per-packet one-way delay: 128.078 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 350.69 Mbit/s
95th percentile per-packet one-way delay: 112.055 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 345.57 Mbit/s
95th percentile per-packet one-way delay: 121.022 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 295.01 Mbit/s
95th percentile per-packet one-way delay: 211.945 ms
Loss rate: 4.72%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-08-26 23:45:59

End at: 2019-08-26 23:46:29

Local clock offset: -0.124 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2019-08-27 03:50:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 740.14 Mbit/s

95th percentile per-packet one-way delay: 179.527 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 377.46 Mbit/s

95th percentile per-packet one-way delay: 139.630 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 405.47 Mbit/s

95th percentile per-packet one-way delay: 182.104 ms

Loss rate: 1.45%

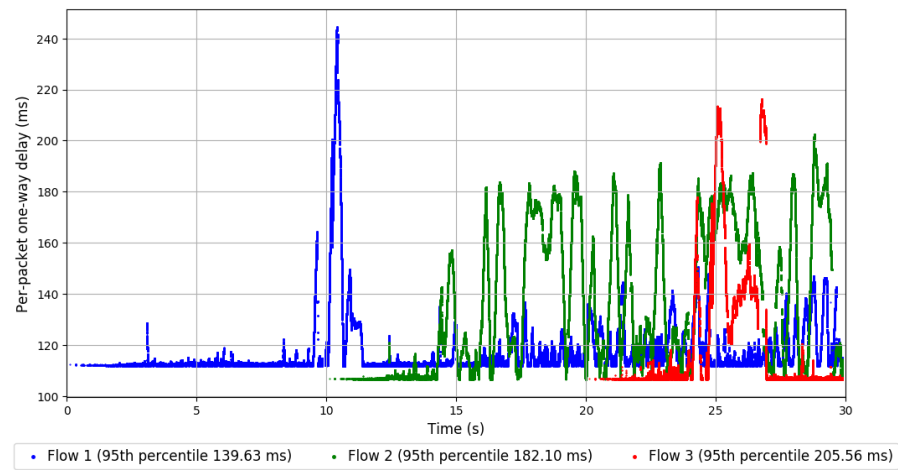
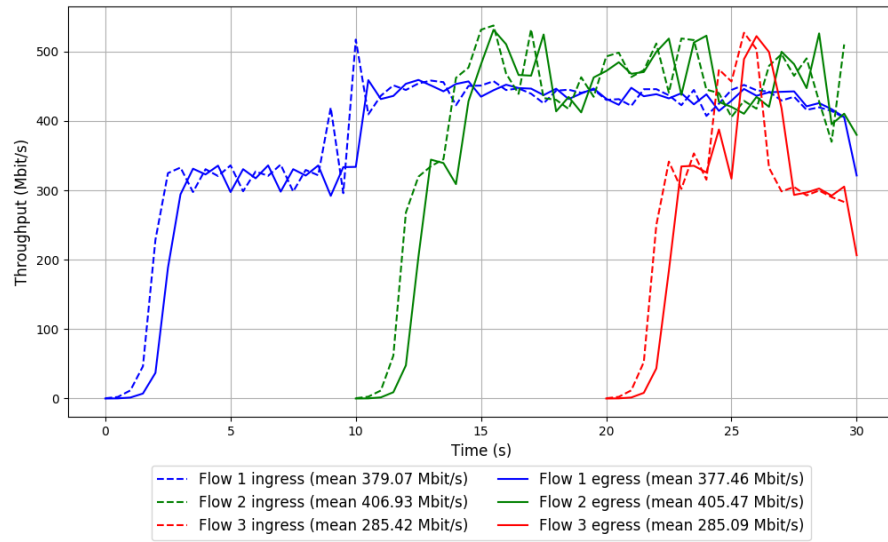
-- Flow 3:

Average throughput: 285.09 Mbit/s

95th percentile per-packet one-way delay: 205.560 ms

Loss rate: 2.28%

Run 4: Report of TCP Vegas — Data Link

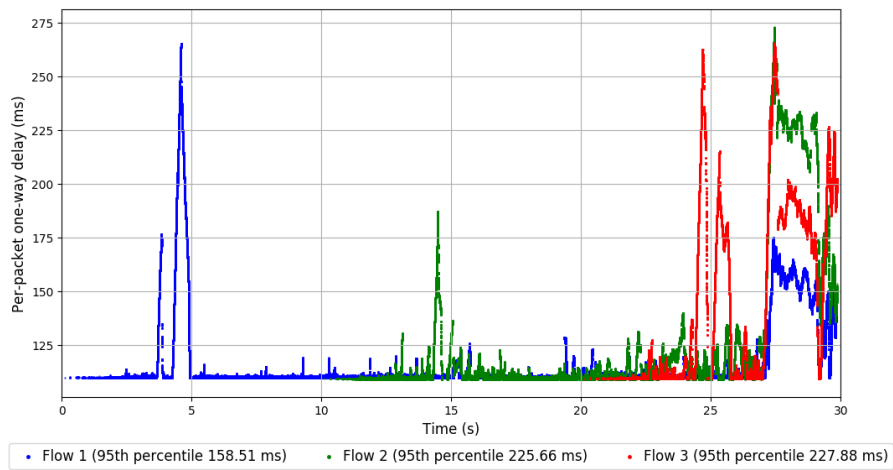
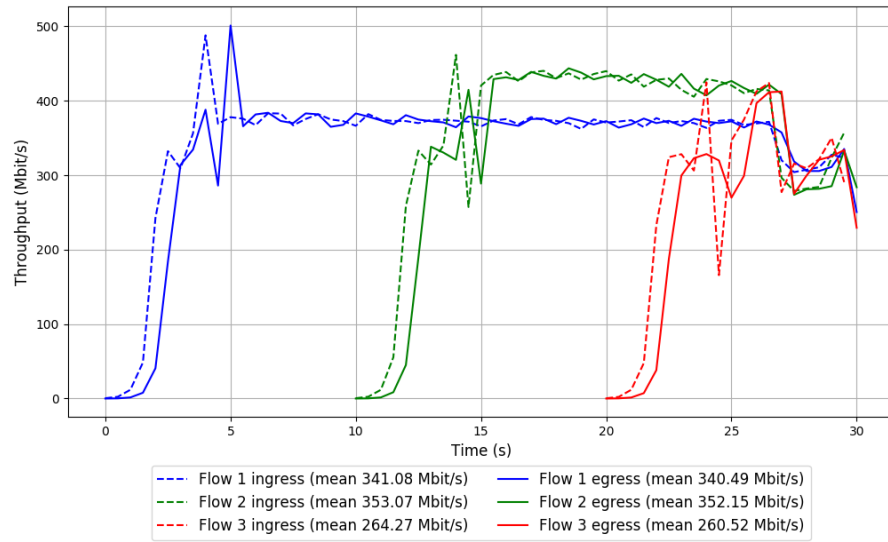


Run 5: Statistics of TCP Vegas

Start at: 2019-08-27 00:29:51
End at: 2019-08-27 00:30:21
Local clock offset: -0.035 ms
Remote clock offset: 0.119 ms

Below is generated by plot.py at 2019-08-27 03:50:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 659.54 Mbit/s
95th percentile per-packet one-way delay: 199.157 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 340.49 Mbit/s
95th percentile per-packet one-way delay: 158.508 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 352.15 Mbit/s
95th percentile per-packet one-way delay: 225.662 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 260.52 Mbit/s
95th percentile per-packet one-way delay: 227.880 ms
Loss rate: 3.57%

Run 5: Report of TCP Vegas — Data Link

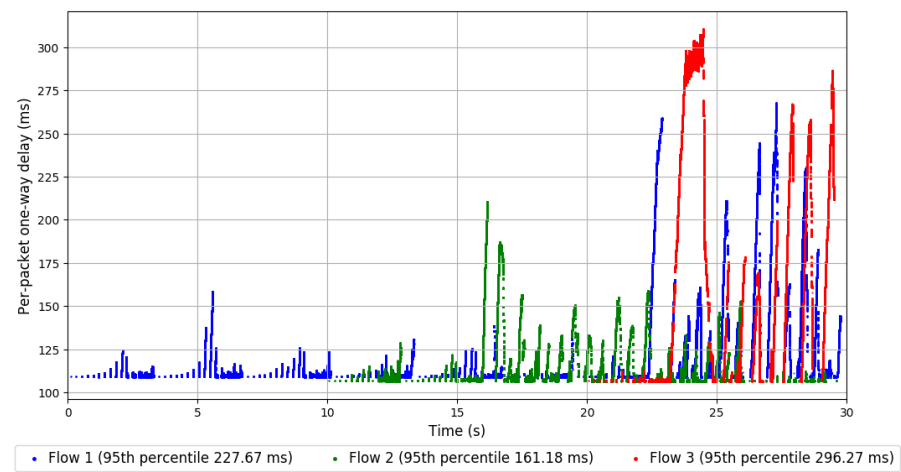
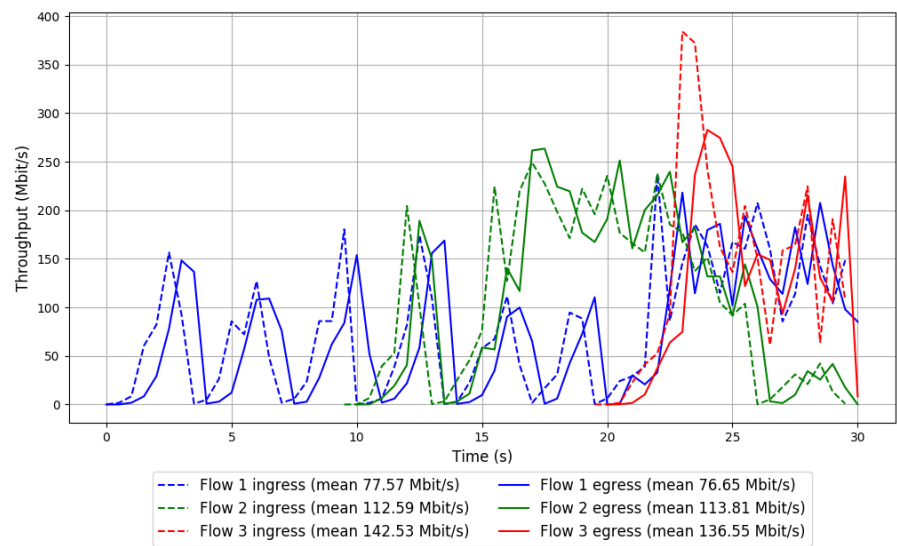


Run 1: Statistics of Verus

Start at: 2019-08-26 21:44:17
End at: 2019-08-26 21:44:47
Local clock offset: -0.248 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2019-08-27 03:50:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 195.21 Mbit/s
95th percentile per-packet one-way delay: 256.122 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 76.65 Mbit/s
95th percentile per-packet one-way delay: 227.674 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 113.81 Mbit/s
95th percentile per-packet one-way delay: 161.184 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 136.55 Mbit/s
95th percentile per-packet one-way delay: 296.267 ms
Loss rate: 8.95%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-08-26 22:28:01

End at: 2019-08-26 22:28:31

Local clock offset: -0.08 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2019-08-27 03:50:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 234.46 Mbit/s

95th percentile per-packet one-way delay: 270.380 ms

Loss rate: 9.98%

-- Flow 1:

Average throughput: 183.12 Mbit/s

95th percentile per-packet one-way delay: 272.973 ms

Loss rate: 12.41%

-- Flow 2:

Average throughput: 57.01 Mbit/s

95th percentile per-packet one-way delay: 114.149 ms

Loss rate: 0.04%

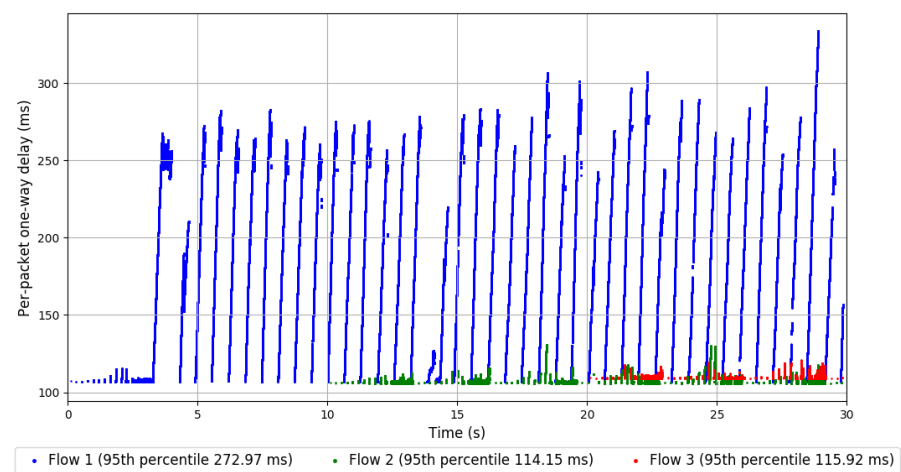
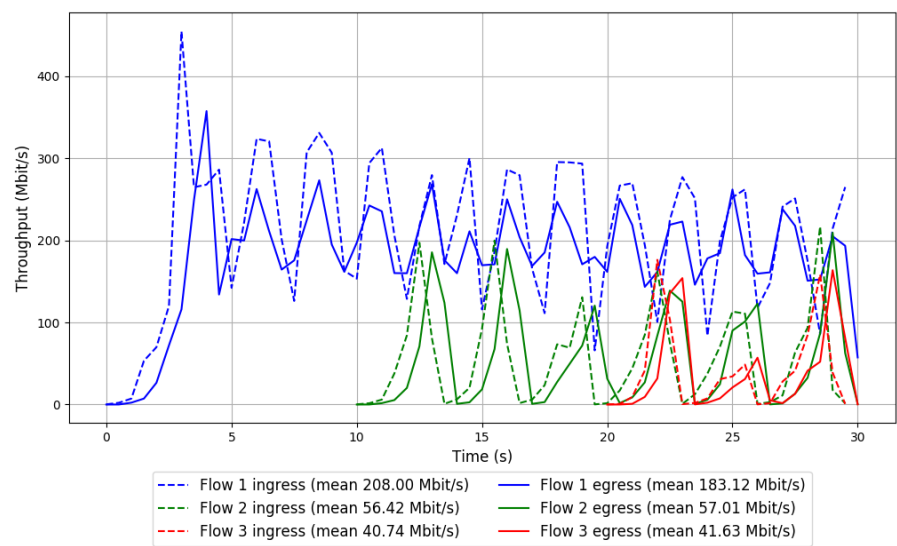
-- Flow 3:

Average throughput: 41.63 Mbit/s

95th percentile per-packet one-way delay: 115.918 ms

Loss rate: 0.07%

Run 2: Report of Verus — Data Link

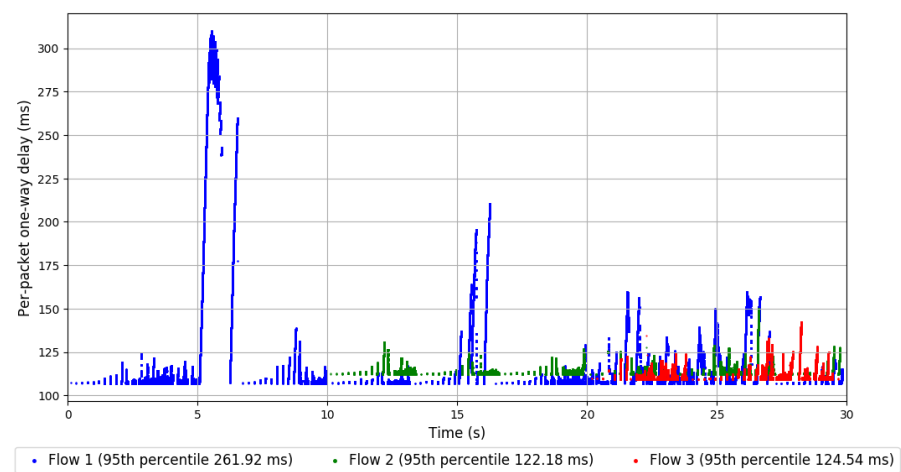
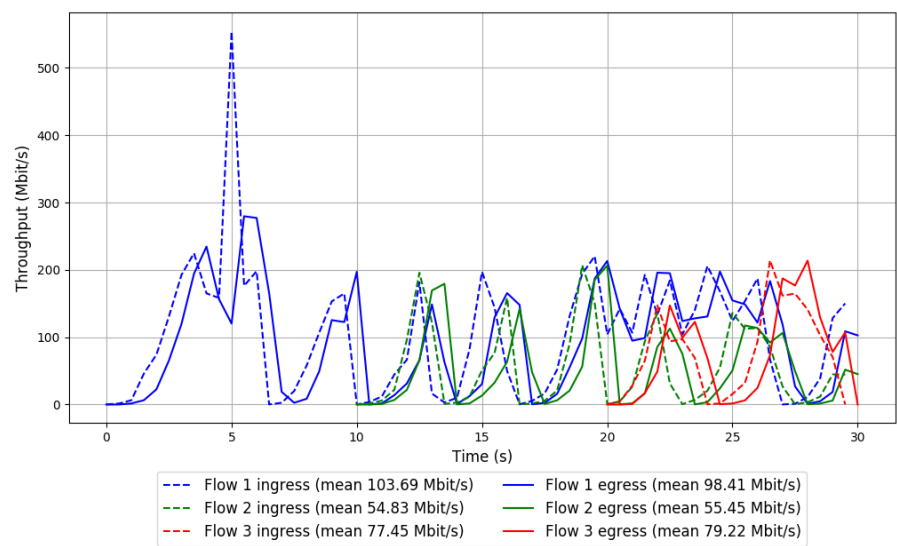


Run 3: Statistics of Verus

Start at: 2019-08-26 23:11:40
End at: 2019-08-26 23:12:10
Local clock offset: -0.092 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2019-08-27 03:50:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 160.30 Mbit/s
95th percentile per-packet one-way delay: 214.179 ms
Loss rate: 3.63%
-- Flow 1:
Average throughput: 98.41 Mbit/s
95th percentile per-packet one-way delay: 261.916 ms
Loss rate: 5.78%
-- Flow 2:
Average throughput: 55.45 Mbit/s
95th percentile per-packet one-way delay: 122.177 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 79.22 Mbit/s
95th percentile per-packet one-way delay: 124.542 ms
Loss rate: 0.01%

Run 3: Report of Verus — Data Link

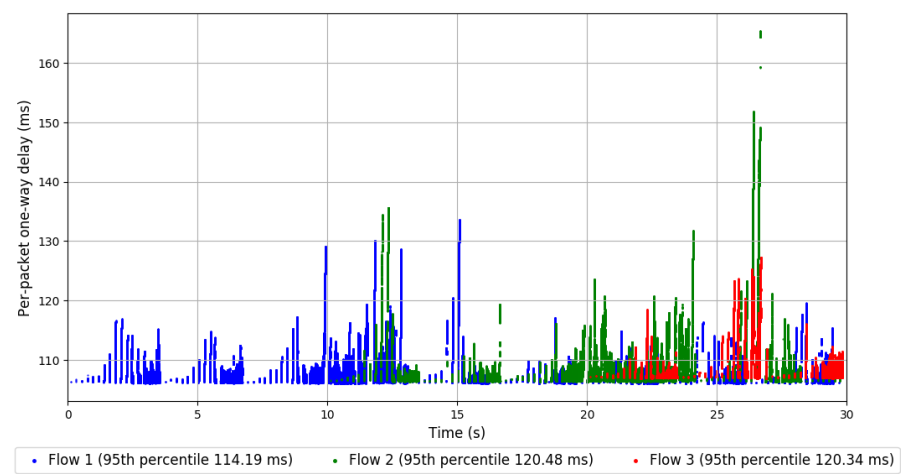
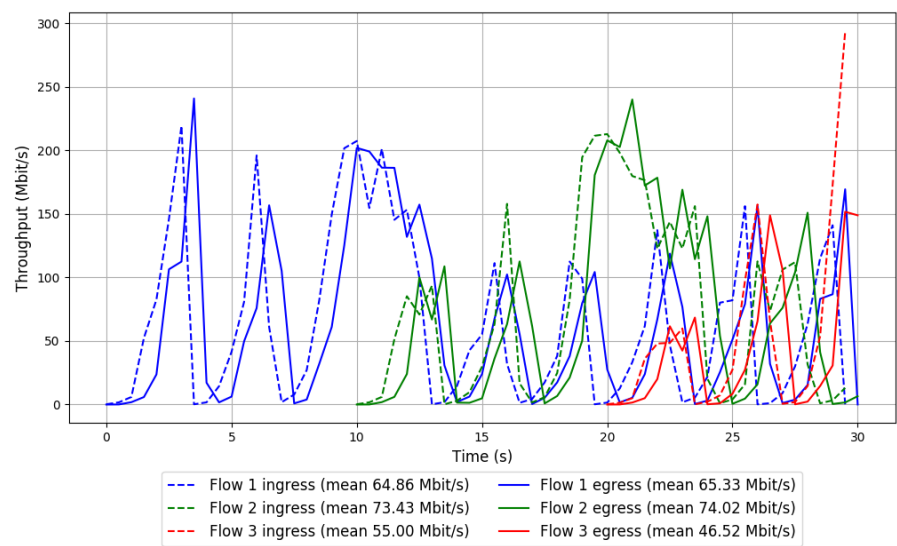


Run 4: Statistics of Verus

Start at: 2019-08-26 23:55:12
End at: 2019-08-26 23:55:42
Local clock offset: -0.082 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2019-08-27 03:50:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 129.09 Mbit/s
95th percentile per-packet one-way delay: 117.572 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 65.33 Mbit/s
95th percentile per-packet one-way delay: 114.186 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 74.02 Mbit/s
95th percentile per-packet one-way delay: 120.481 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 46.52 Mbit/s
95th percentile per-packet one-way delay: 120.341 ms
Loss rate: 17.27%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-08-27 00:38:34

End at: 2019-08-27 00:39:04

Local clock offset: -0.021 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2019-08-27 03:50:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 199.94 Mbit/s

95th percentile per-packet one-way delay: 303.453 ms

Loss rate: 4.54%

-- Flow 1:

Average throughput: 114.92 Mbit/s

95th percentile per-packet one-way delay: 324.410 ms

Loss rate: 6.54%

-- Flow 2:

Average throughput: 106.24 Mbit/s

95th percentile per-packet one-way delay: 248.444 ms

Loss rate: 2.06%

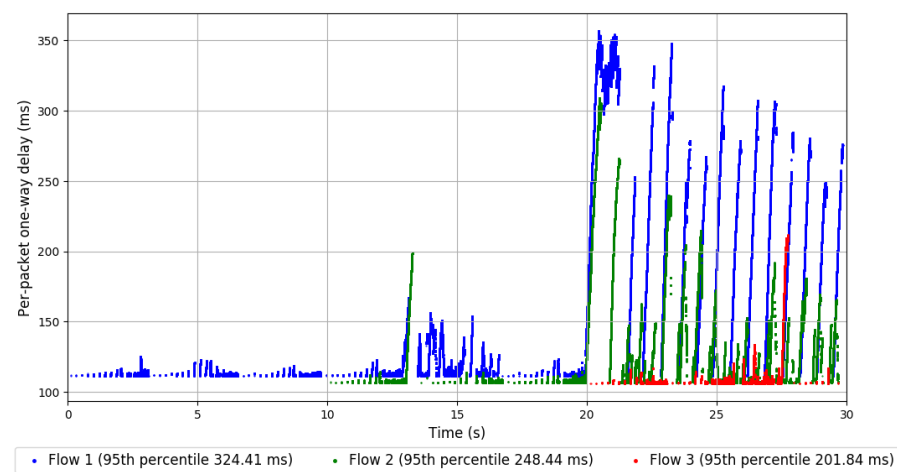
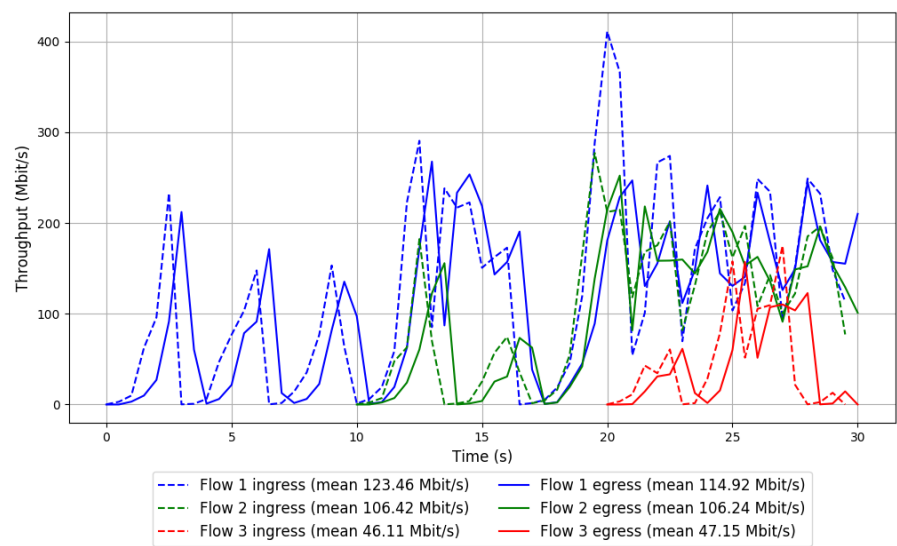
-- Flow 3:

Average throughput: 47.15 Mbit/s

95th percentile per-packet one-way delay: 201.845 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link

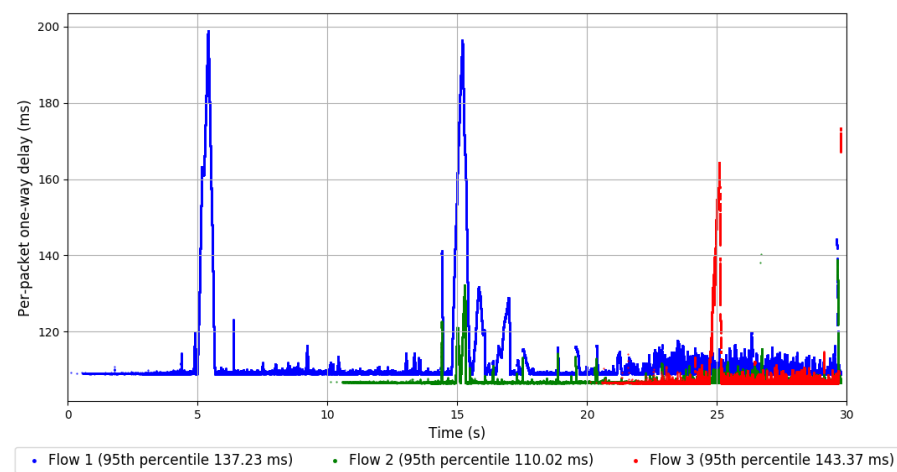
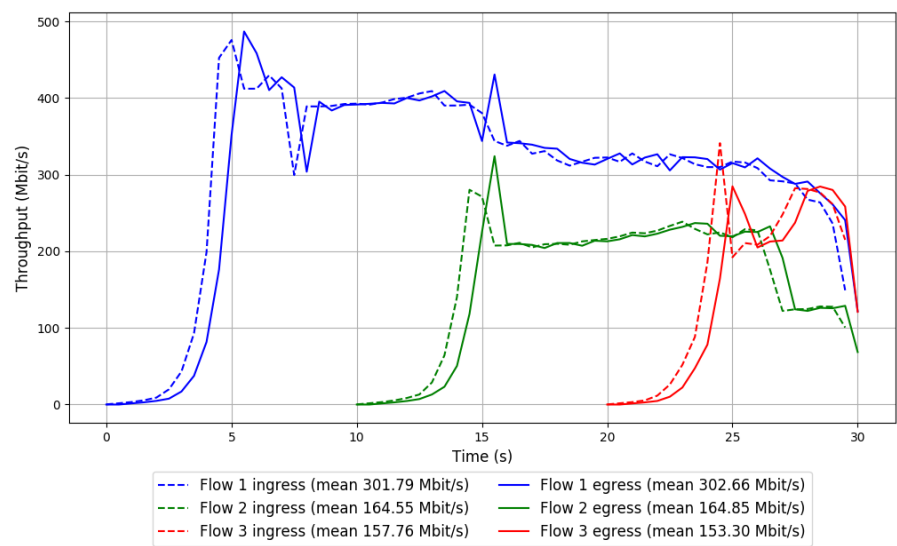


Run 1: Statistics of PCC-Vivace

Start at: 2019-08-26 21:45:57
End at: 2019-08-26 21:46:27
Local clock offset: -0.147 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2019-08-27 03:51:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 461.74 Mbit/s
95th percentile per-packet one-way delay: 128.294 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 302.66 Mbit/s
95th percentile per-packet one-way delay: 137.234 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 164.85 Mbit/s
95th percentile per-packet one-way delay: 110.023 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 153.30 Mbit/s
95th percentile per-packet one-way delay: 143.365 ms
Loss rate: 4.96%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-08-26 22:29:44

End at: 2019-08-26 22:30:14

Local clock offset: -0.605 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2019-08-27 03:51:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 349.52 Mbit/s

95th percentile per-packet one-way delay: 114.027 ms

Loss rate: 2.00%

-- Flow 1:

Average throughput: 191.81 Mbit/s

95th percentile per-packet one-way delay: 151.714 ms

Loss rate: 2.16%

-- Flow 2:

Average throughput: 168.92 Mbit/s

95th percentile per-packet one-way delay: 107.704 ms

Loss rate: 1.20%

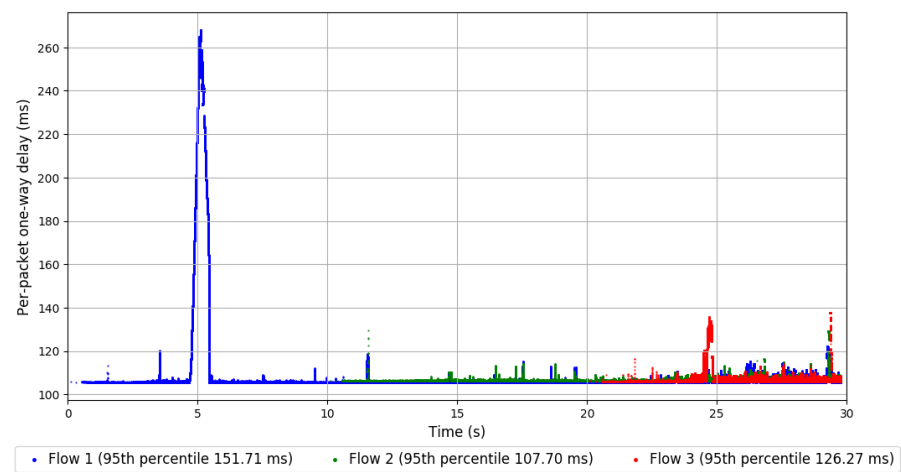
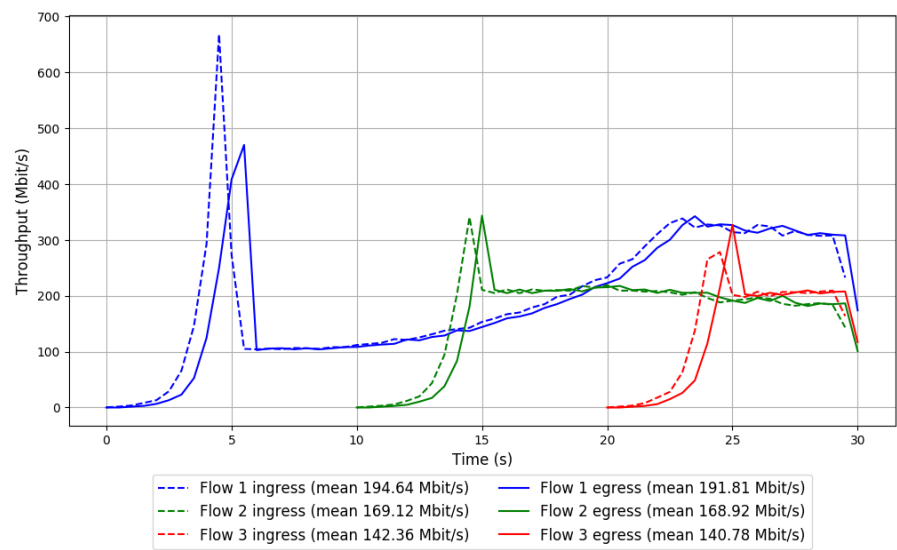
-- Flow 3:

Average throughput: 140.78 Mbit/s

95th percentile per-packet one-way delay: 126.268 ms

Loss rate: 3.25%

Run 2: Report of PCC-Vivace — Data Link

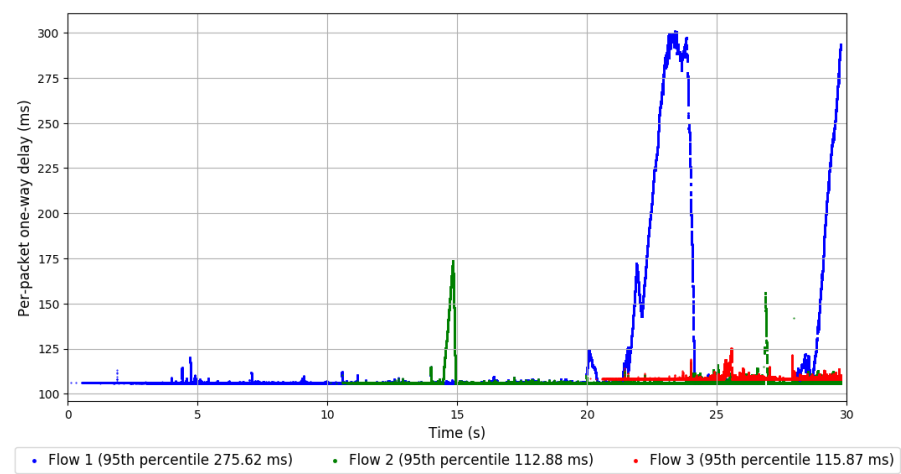
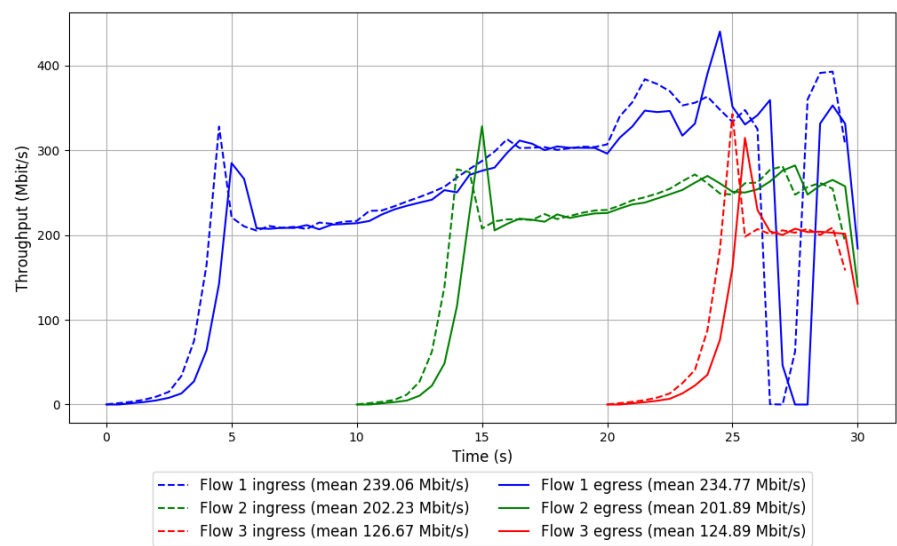


Run 3: Statistics of PCC-Vivace

Start at: 2019-08-26 23:13:16
End at: 2019-08-26 23:13:46
Local clock offset: -0.137 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2019-08-27 03:52:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 409.10 Mbit/s
95th percentile per-packet one-way delay: 225.302 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 234.77 Mbit/s
95th percentile per-packet one-way delay: 275.620 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 201.89 Mbit/s
95th percentile per-packet one-way delay: 112.882 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 124.89 Mbit/s
95th percentile per-packet one-way delay: 115.873 ms
Loss rate: 3.58%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-08-26 23:56:45

End at: 2019-08-26 23:57:15

Local clock offset: -0.012 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2019-08-27 03:52:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 491.76 Mbit/s

95th percentile per-packet one-way delay: 127.491 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 289.71 Mbit/s

95th percentile per-packet one-way delay: 136.583 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 235.02 Mbit/s

95th percentile per-packet one-way delay: 118.867 ms

Loss rate: 0.95%

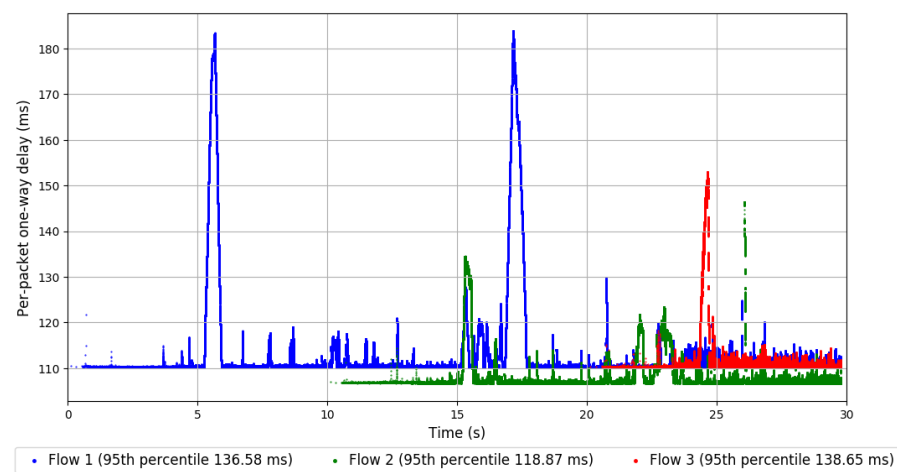
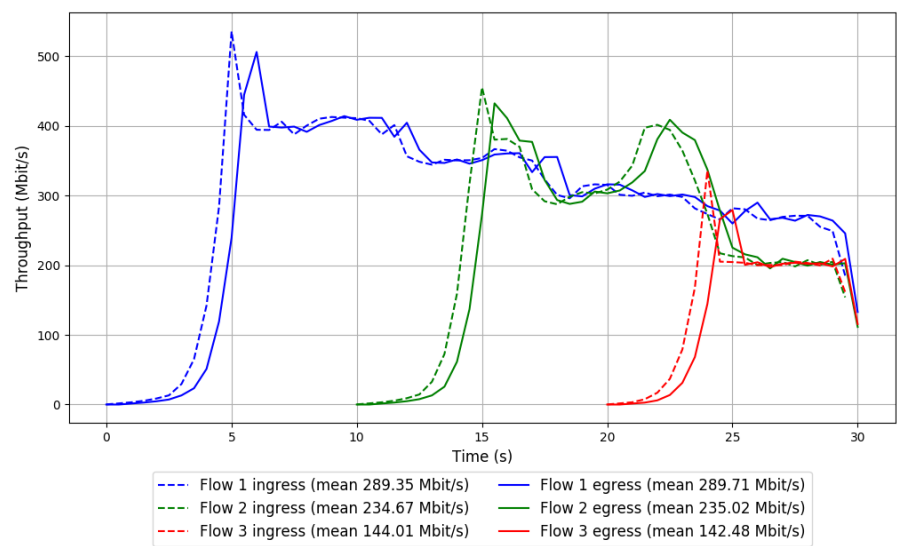
-- Flow 3:

Average throughput: 142.48 Mbit/s

95th percentile per-packet one-way delay: 138.652 ms

Loss rate: 3.29%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-08-27 00:40:14

End at: 2019-08-27 00:40:44

Local clock offset: 0.031 ms

Remote clock offset: 0.21 ms

Below is generated by plot.py at 2019-08-27 03:52:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 327.17 Mbit/s

95th percentile per-packet one-way delay: 115.839 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 119.88 Mbit/s

95th percentile per-packet one-way delay: 109.137 ms

Loss rate: 0.90%

-- Flow 2:

Average throughput: 248.34 Mbit/s

95th percentile per-packet one-way delay: 117.507 ms

Loss rate: 1.26%

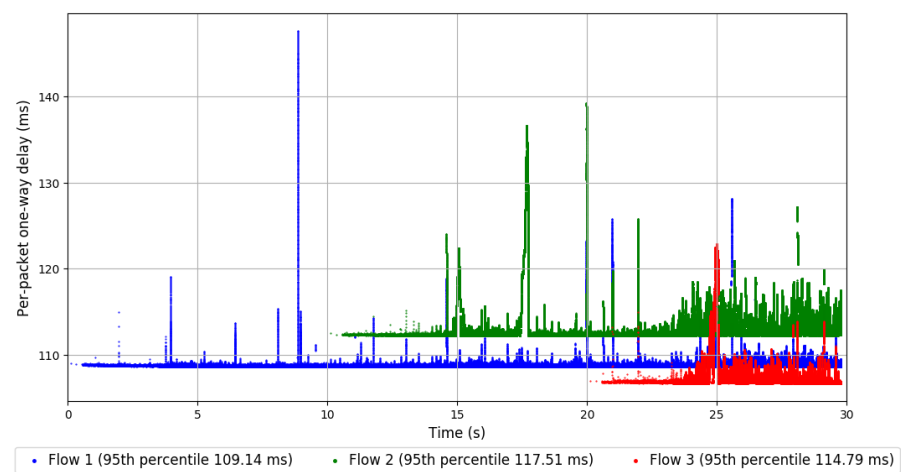
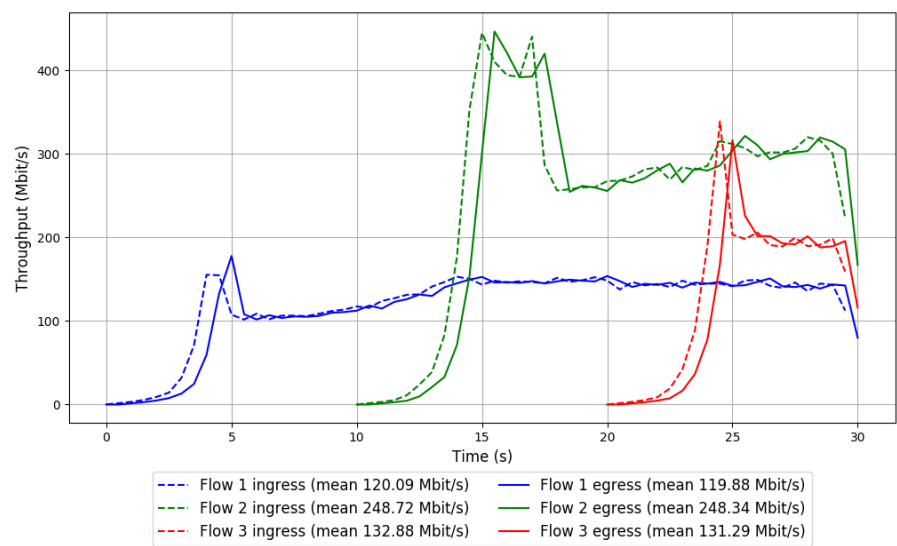
-- Flow 3:

Average throughput: 131.29 Mbit/s

95th percentile per-packet one-way delay: 114.787 ms

Loss rate: 3.35%

Run 5: Report of PCC-Vivace — Data Link

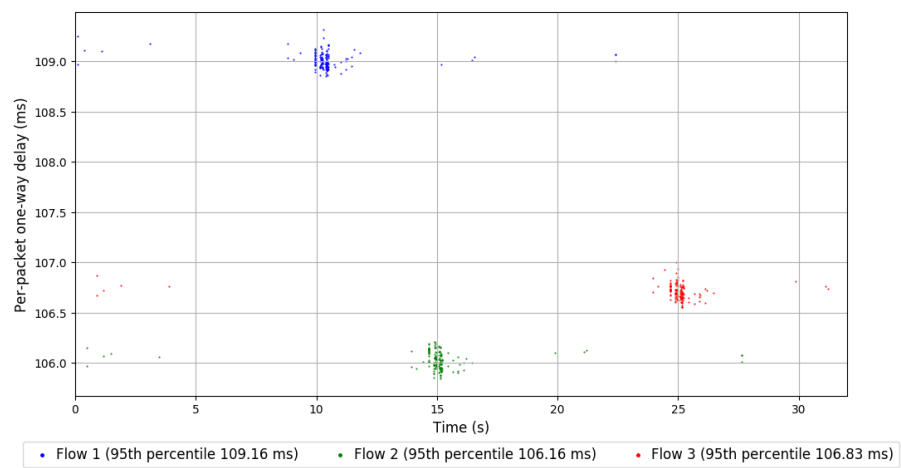
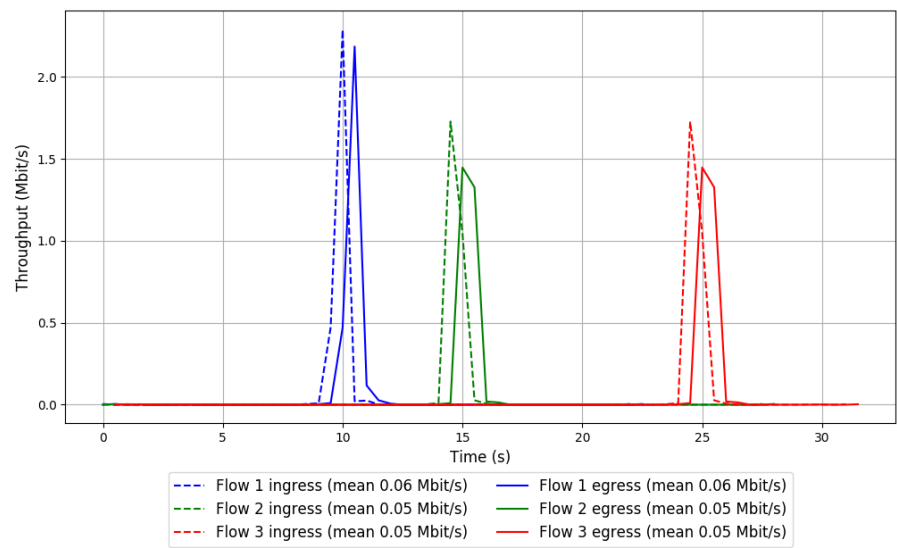


Run 1: Statistics of WebRTC media

Start at: 2019-08-26 21:29:13
End at: 2019-08-26 21:29:43
Local clock offset: -0.1 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2019-08-27 03:52:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.087 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 109.157 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 106.164 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 106.833 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-08-26 22:12:49

End at: 2019-08-26 22:13:19

Local clock offset: 0.013 ms

Remote clock offset: 0.245 ms

Below is generated by plot.py at 2019-08-27 03:52:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 109.316 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 106.041 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 109.389 ms

Loss rate: 0.00%

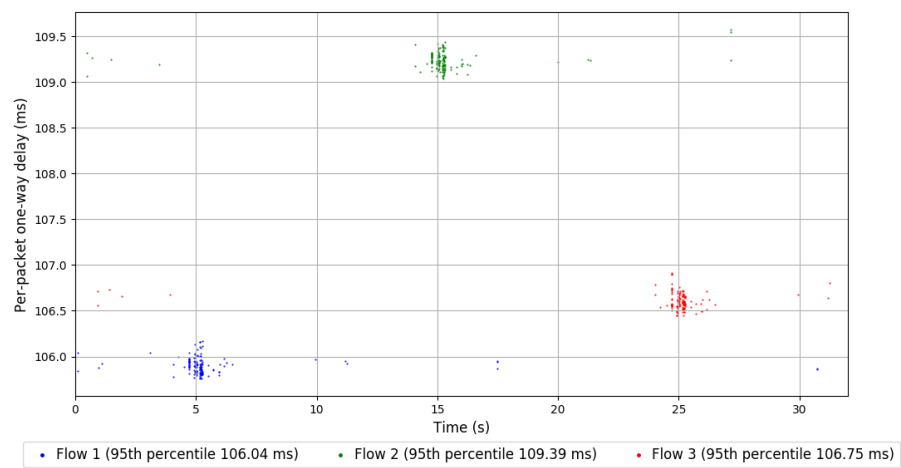
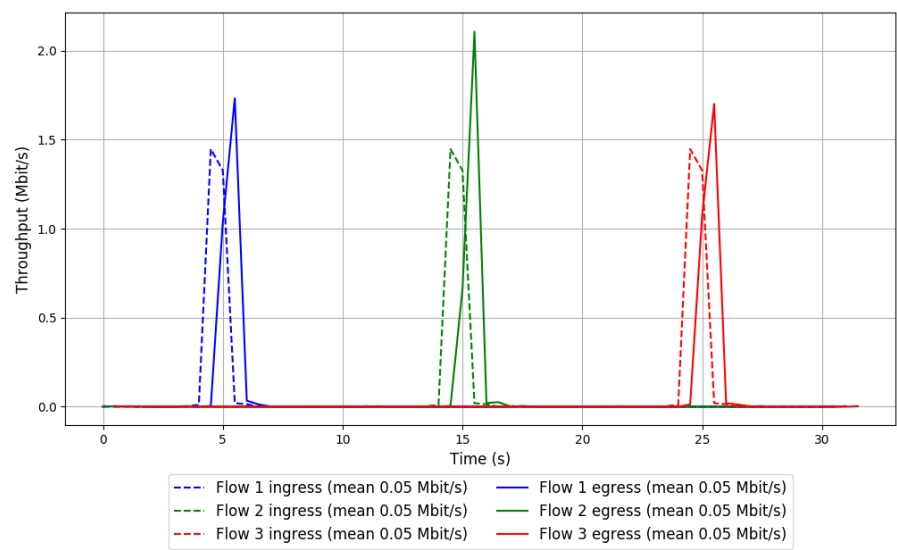
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 106.752 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

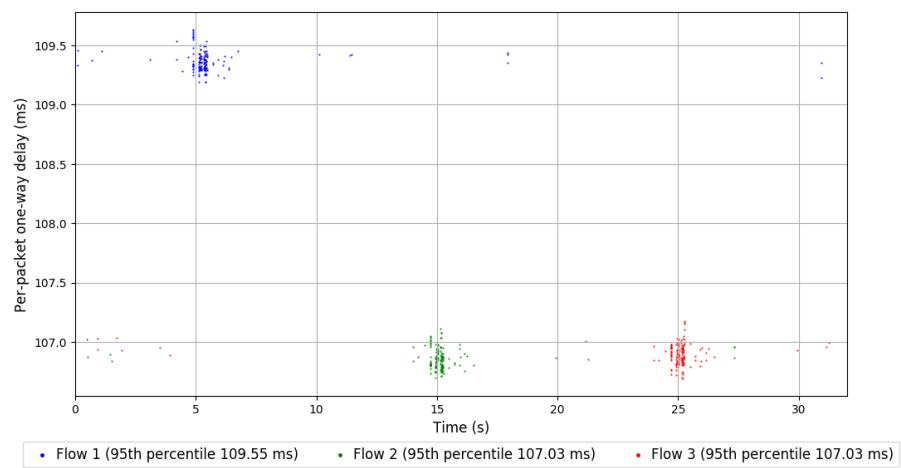
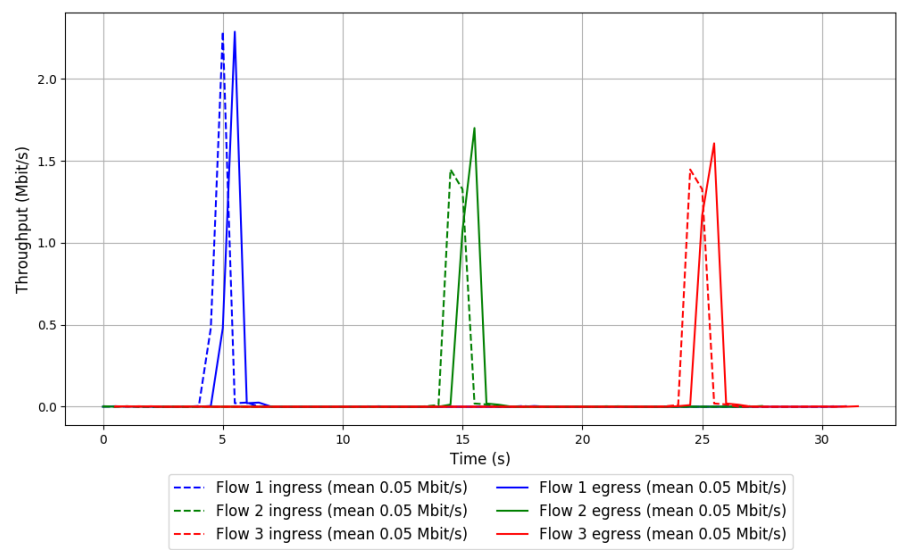


Run 3: Statistics of WebRTC media

Start at: 2019-08-26 22:56:29
End at: 2019-08-26 22:56:59
Local clock offset: -0.057 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2019-08-27 03:52:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.448 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.548 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 107.026 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 107.029 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

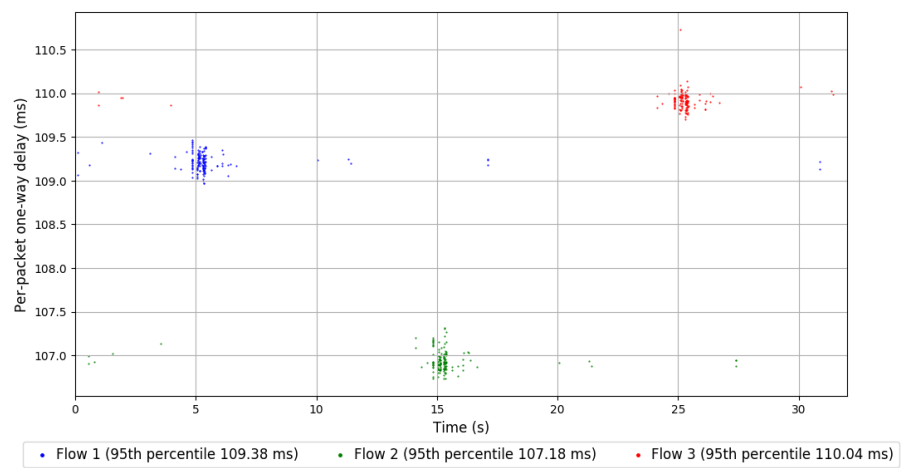
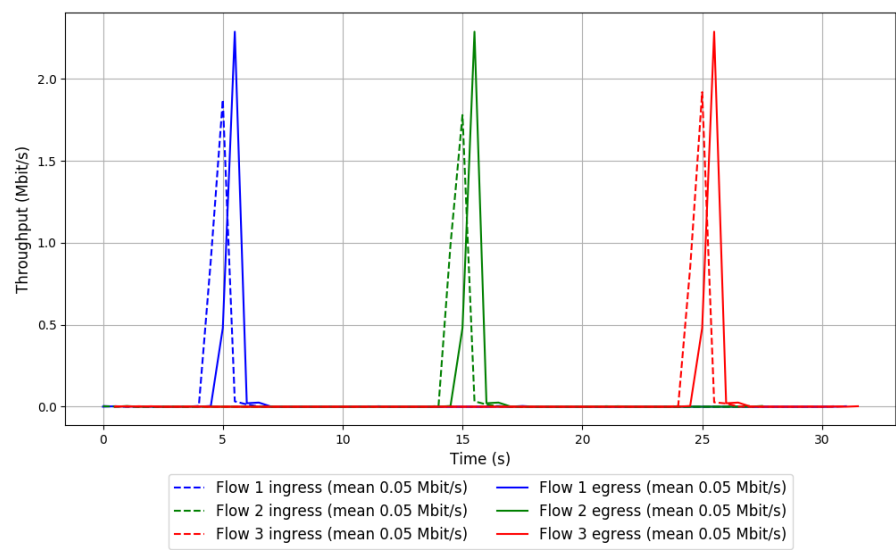


Run 4: Statistics of WebRTC media

Start at: 2019-08-26 23:40:04
End at: 2019-08-26 23:40:34
Local clock offset: -0.298 ms
Remote clock offset: -0.21 ms

Below is generated by plot.py at 2019-08-27 03:52:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.984 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.379 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 107.177 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 110.036 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-08-27 00:23:52

End at: 2019-08-27 00:24:22

Local clock offset: 0.181 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2019-08-27 03:52:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 112.387 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 112.454 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 109.228 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 109.179 ms

Loss rate: 0.05%

Run 5: Report of WebRTC media — Data Link

