

Pantheon Report

Generated at 2019-07-12 20:35:45 (UTC).

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

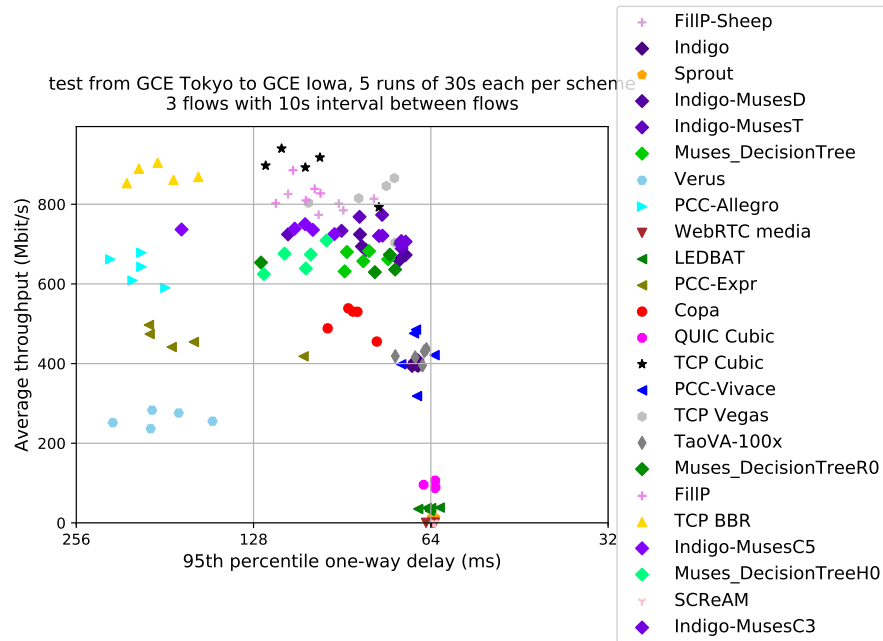
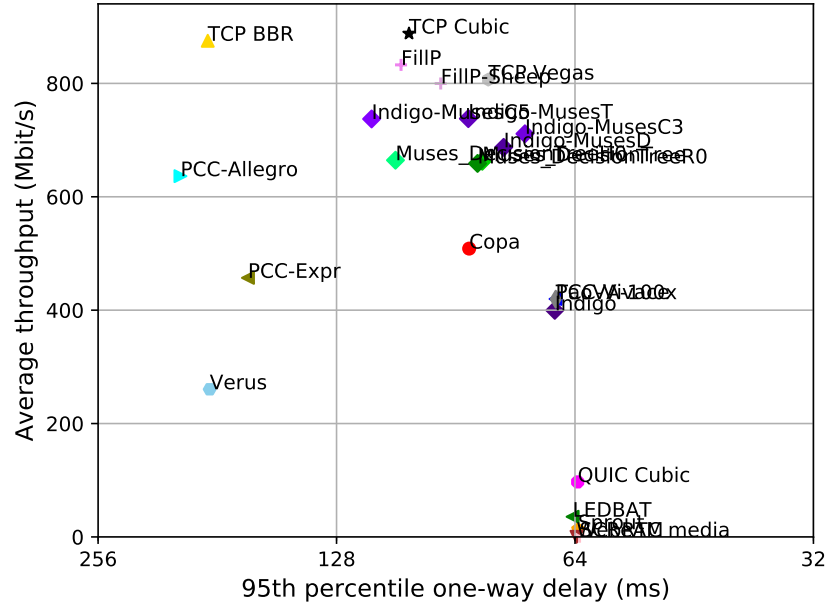
```
Linux 4.15.0-1034-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 2076e1149a241f3edb4365d686df32342bf9561f
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 8bb93ffff2b107204a92d8b72449fc0c55e15f00
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
```

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

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



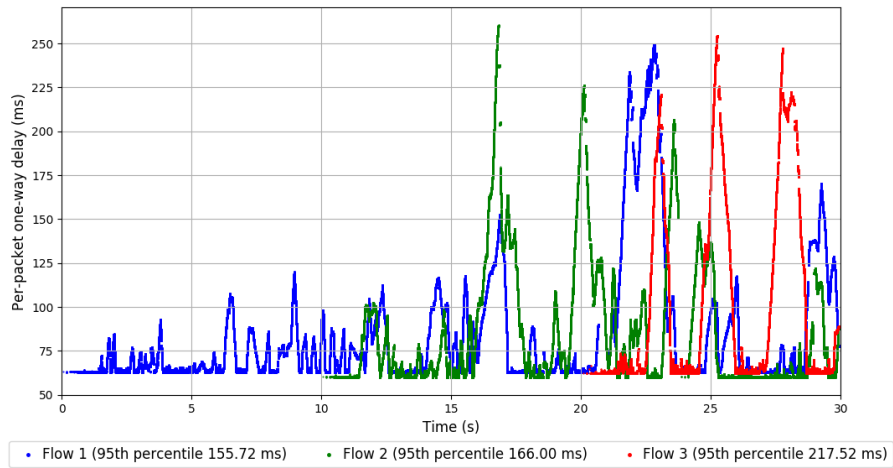
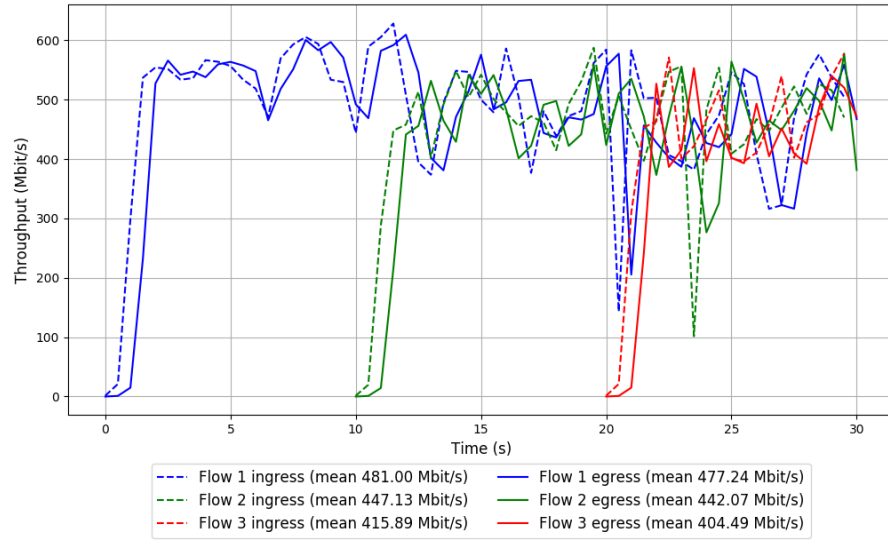
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	458.26	431.50	394.67	176.30	177.05	171.70	1.18	1.61	3.08
Copa	5	273.78	248.35	211.69	84.20	90.31	97.44	0.40	0.65	1.54
TCP Cubic	5	455.99	449.16	404.24	88.92	105.48	110.10	0.45	0.61	1.59
FillP	5	514.94	350.20	259.69	113.23	67.36	67.31	0.80	0.55	1.27
FillP-Sheep	5	500.57	331.07	241.99	102.34	67.67	65.72	0.60	0.57	1.33
Indigo	5	215.37	193.66	167.33	67.65	67.57	65.60	0.41	0.65	1.39
Indigo-MusesC3	5	429.30	343.23	250.14	74.83	71.57	72.95	0.32	0.66	2.15
Indigo-MusesC5	5	459.02	397.48	97.03	119.76	111.11	62.49	0.56	0.45	2.05
Indigo-MusesD	5	414.51	331.58	247.74	79.97	77.86	66.24	0.31	0.54	2.28
Indigo-MusesT	5	452.46	368.87	216.66	90.02	75.23	64.37	0.36	0.57	2.09
LEDBAT	5	22.44	16.08	7.72	64.68	63.03	62.67	0.69	1.25	2.42
Muses_DecisionTree	5	384.01	314.00	227.35	84.05	85.14	75.82	0.41	0.43	1.84
Muses_DecisionTreeH0	5	370.07	343.52	215.67	115.25	91.50	79.37	0.64	0.89	2.27
Muses_DecisionTreeR0	5	377.22	316.93	229.16	75.37	95.62	84.98	0.47	0.64	1.78
PCC-Allegro	5	357.53	292.17	261.24	196.37	174.26	160.57	3.01	2.57	4.75
PCC-Expr	5	246.27	245.53	145.99	148.28	171.08	96.81	1.17	4.23	1.96
QUIC Cubic	5	55.21	52.09	19.54	62.29	61.78	62.49	0.62	0.99	0.84
SCReAM	5	0.22	0.22	0.22	61.47	62.22	62.00	0.38	0.65	1.23
Sprout	5	6.87	6.87	6.54	62.33	61.52	62.72	0.58	1.04	2.00
TaoVA-100x	5	217.84	205.34	197.40	65.38	67.60	70.52	0.34	0.56	1.26
TCP Vegas	5	420.05	405.76	354.91	78.98	82.73	87.18	0.43	0.49	1.41
Verus	5	149.90	122.41	89.79	160.08	205.68	114.25	0.88	2.63	1.18
PCC-Vivace	5	224.17	234.91	121.41	65.45	79.88	64.45	0.51	0.73	1.85
WebRTC media	5	0.05	0.05	0.05	64.13	63.17	61.76	0.02	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-07-12 13:56:29
End at: 2019-07-12 13:56:59
Local clock offset: 0.004 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2019-07-12 17:58:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 904.35 Mbit/s
95th percentile per-packet one-way delay: 186.263 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 477.24 Mbit/s
95th percentile per-packet one-way delay: 155.716 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 442.07 Mbit/s
95th percentile per-packet one-way delay: 165.995 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 404.49 Mbit/s
95th percentile per-packet one-way delay: 217.517 ms
Loss rate: 3.94%

Run 1: Report of TCP BBR — Data Link

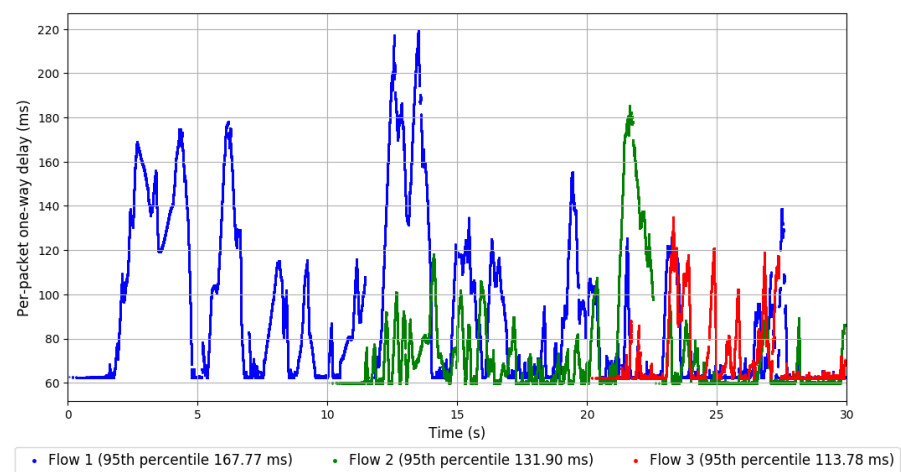
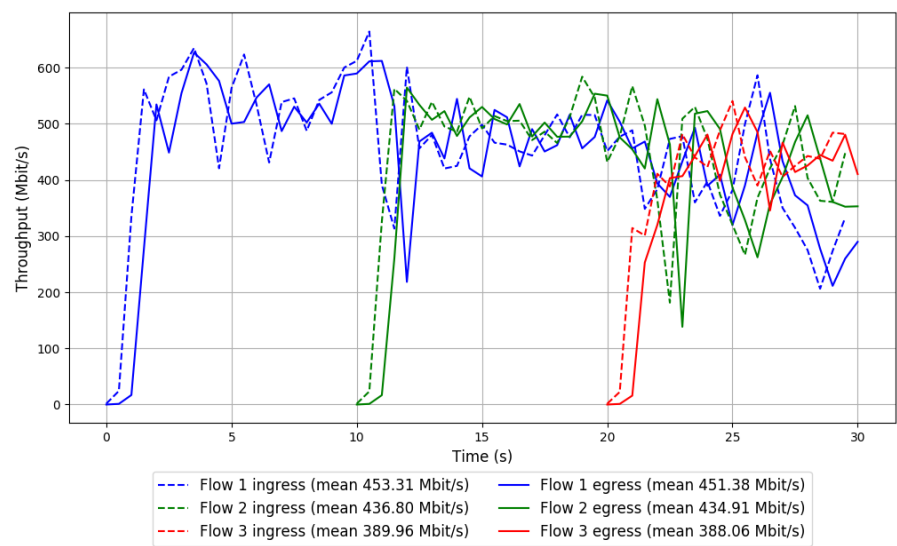


Run 2: Statistics of TCP BBR

Start at: 2019-07-12 14:37:26
End at: 2019-07-12 14:37:56
Local clock offset: -0.033 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2019-07-12 17:58:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 868.47 Mbit/s
95th percentile per-packet one-way delay: 158.823 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 451.38 Mbit/s
95th percentile per-packet one-way delay: 167.774 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 434.91 Mbit/s
95th percentile per-packet one-way delay: 131.896 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 388.06 Mbit/s
95th percentile per-packet one-way delay: 113.775 ms
Loss rate: 1.71%

Run 2: Report of TCP BBR — Data Link

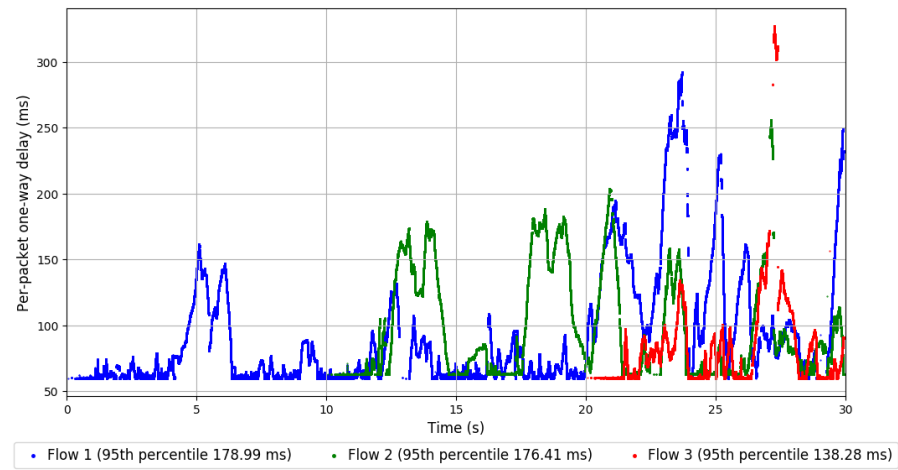
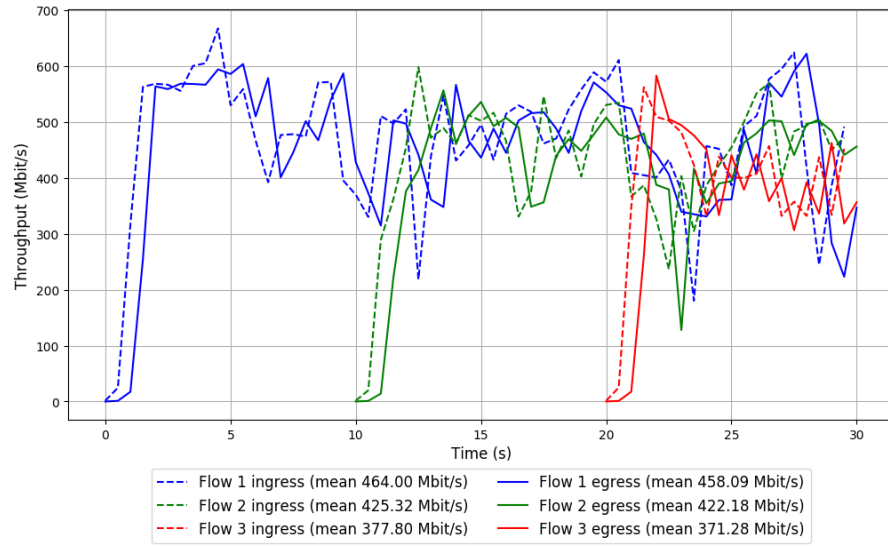


Run 3: Statistics of TCP BBR

Start at: 2019-07-12 15:18:25
End at: 2019-07-12 15:18:55
Local clock offset: -0.061 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2019-07-12 17:58:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 861.20 Mbit/s
95th percentile per-packet one-way delay: 175.050 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 458.09 Mbit/s
95th percentile per-packet one-way delay: 178.993 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 422.18 Mbit/s
95th percentile per-packet one-way delay: 176.409 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 371.28 Mbit/s
95th percentile per-packet one-way delay: 138.277 ms
Loss rate: 2.92%

Run 3: Report of TCP BBR — Data Link

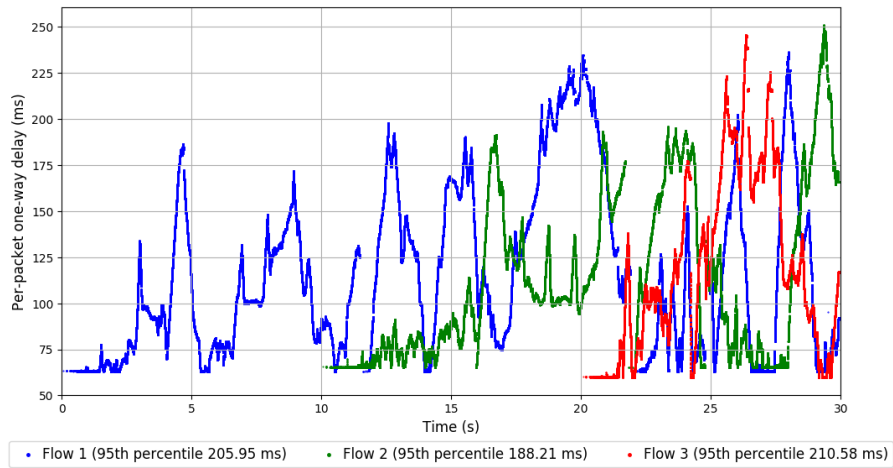
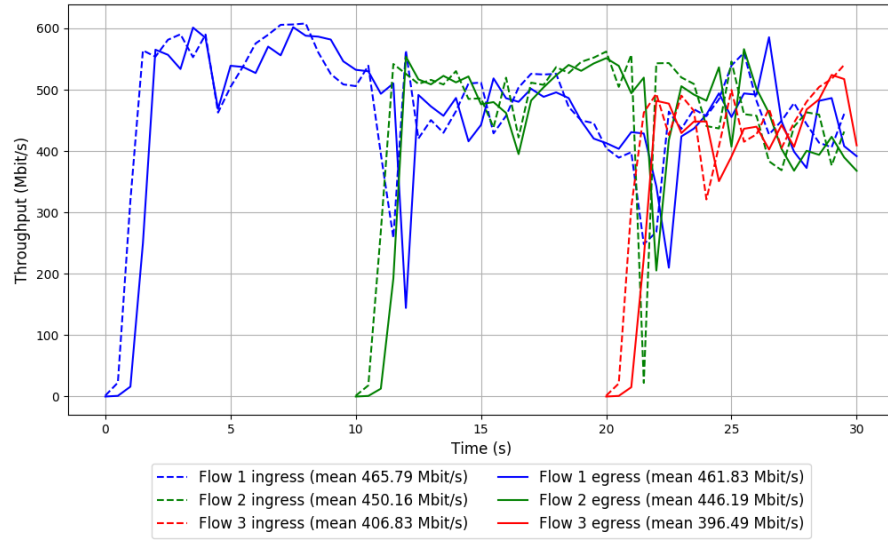


Run 4: Statistics of TCP BBR

Start at: 2019-07-12 15:59:47
End at: 2019-07-12 16:00:17
Local clock offset: 0.026 ms
Remote clock offset: -0.264 ms

Below is generated by plot.py at 2019-07-12 17:58:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 889.04 Mbit/s
95th percentile per-packet one-way delay: 200.376 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 461.83 Mbit/s
95th percentile per-packet one-way delay: 205.949 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 446.19 Mbit/s
95th percentile per-packet one-way delay: 188.206 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 396.49 Mbit/s
95th percentile per-packet one-way delay: 210.584 ms
Loss rate: 3.75%

Run 4: Report of TCP BBR — Data Link

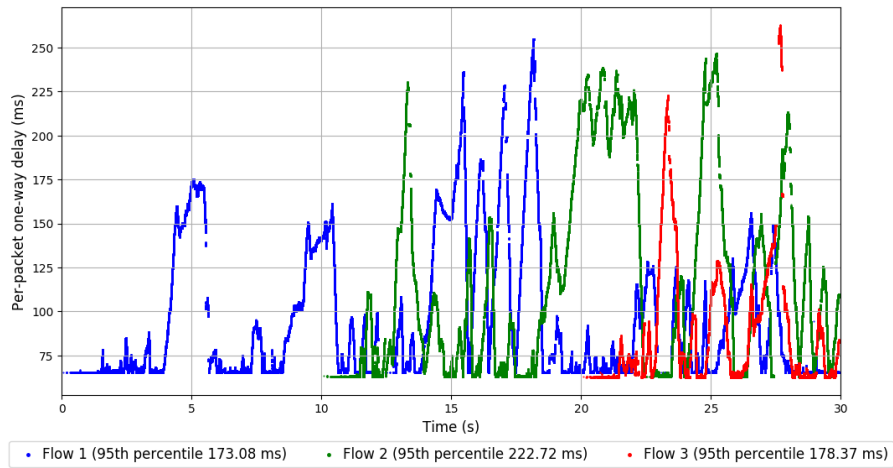
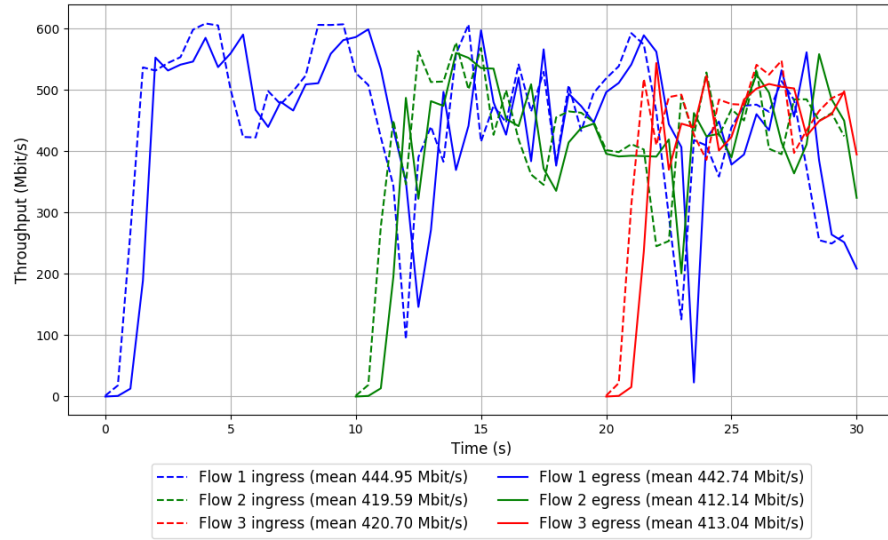


Run 5: Statistics of TCP BBR

Start at: 2019-07-12 16:41:14
End at: 2019-07-12 16:41:44
Local clock offset: -0.1 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2019-07-12 17:58:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 852.85 Mbit/s
95th percentile per-packet one-way delay: 210.081 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 442.74 Mbit/s
95th percentile per-packet one-way delay: 173.079 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 412.14 Mbit/s
95th percentile per-packet one-way delay: 222.721 ms
Loss rate: 2.40%
-- Flow 3:
Average throughput: 413.04 Mbit/s
95th percentile per-packet one-way delay: 178.371 ms
Loss rate: 3.07%

Run 5: Report of TCP BBR — Data Link

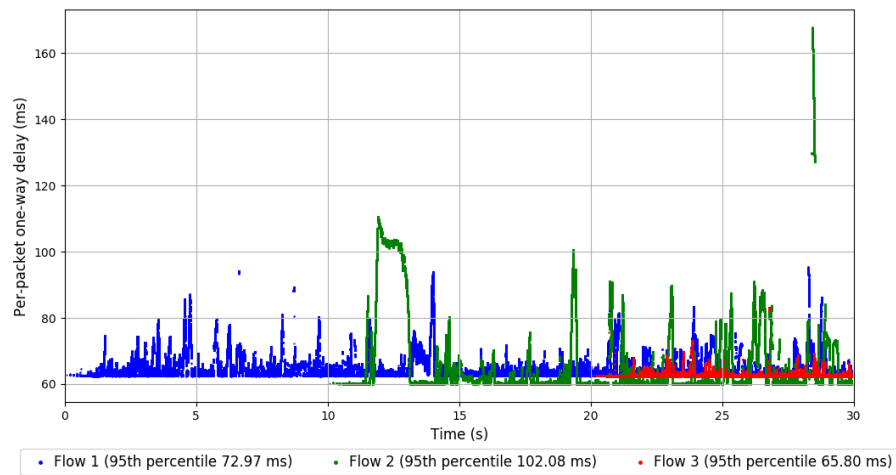
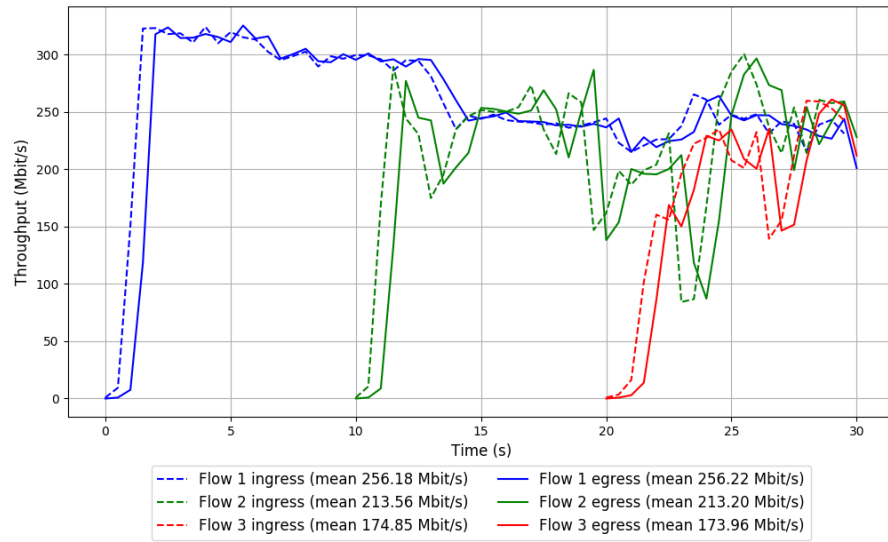


Run 1: Statistics of Copa

Start at: 2019-07-12 13:58:35
End at: 2019-07-12 13:59:05
Local clock offset: -0.005 ms
Remote clock offset: -0.323 ms

Below is generated by plot.py at 2019-07-12 17:58:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 455.26 Mbit/s
95th percentile per-packet one-way delay: 79.053 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 256.22 Mbit/s
95th percentile per-packet one-way delay: 72.974 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 213.20 Mbit/s
95th percentile per-packet one-way delay: 102.075 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 173.96 Mbit/s
95th percentile per-packet one-way delay: 65.796 ms
Loss rate: 1.74%

Run 1: Report of Copa — Data Link

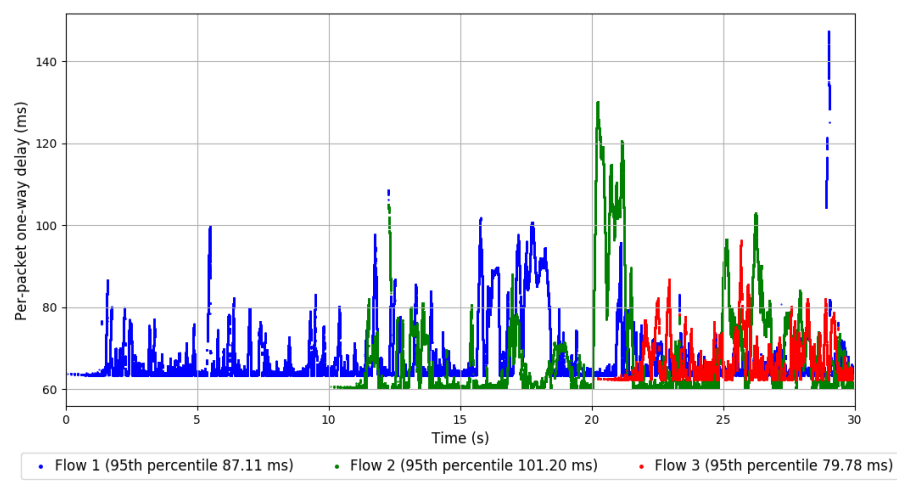
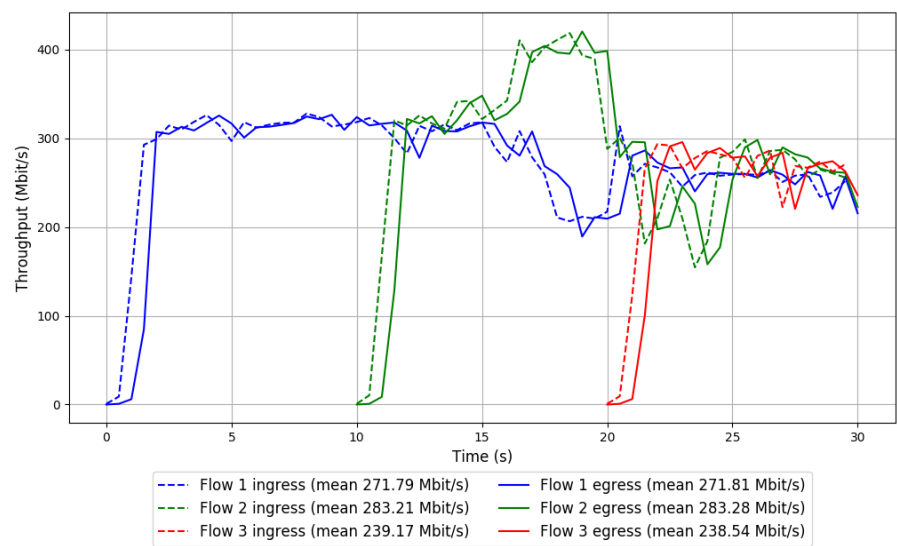


Run 2: Statistics of Copa

Start at: 2019-07-12 14:39:29
End at: 2019-07-12 14:39:59
Local clock offset: -0.013 ms
Remote clock offset: -0.445 ms

Below is generated by plot.py at 2019-07-12 18:00:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 538.69 Mbit/s
95th percentile per-packet one-way delay: 88.366 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 271.81 Mbit/s
95th percentile per-packet one-way delay: 87.112 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 283.28 Mbit/s
95th percentile per-packet one-way delay: 101.202 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 238.54 Mbit/s
95th percentile per-packet one-way delay: 79.785 ms
Loss rate: 1.49%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-07-12 15:20:30

End at: 2019-07-12 15:21:00

Local clock offset: 0.0 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2019-07-12 18:00:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 530.49 Mbit/s

95th percentile per-packet one-way delay: 86.769 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 295.16 Mbit/s

95th percentile per-packet one-way delay: 89.842 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 240.45 Mbit/s

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

Loss rate: 0.61%

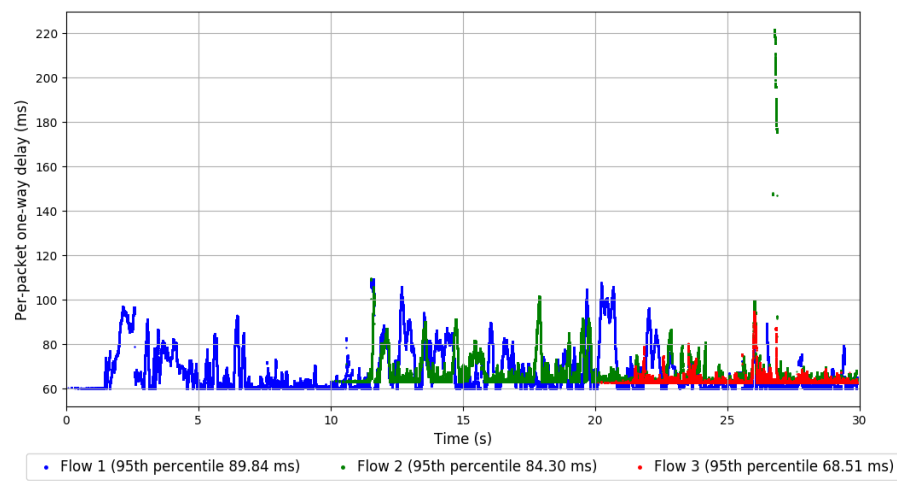
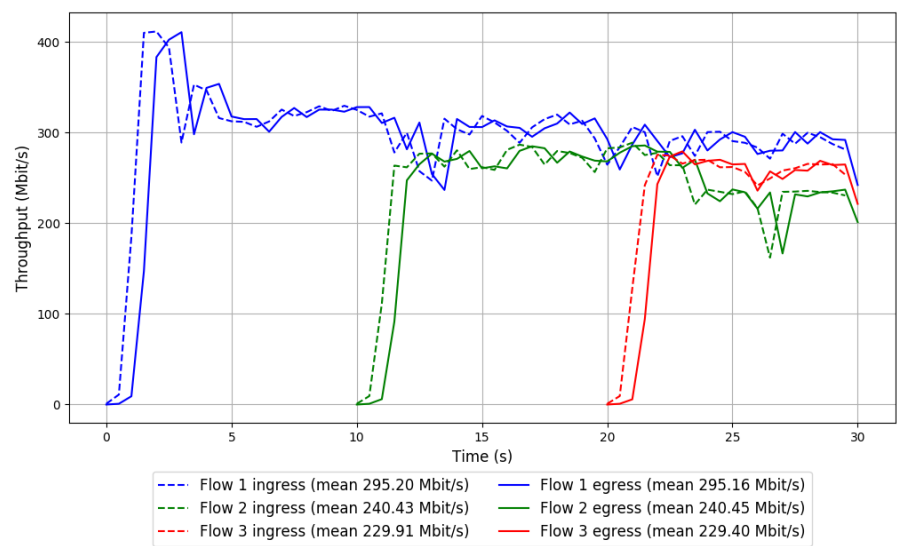
-- Flow 3:

Average throughput: 229.40 Mbit/s

95th percentile per-packet one-way delay: 68.509 ms

Loss rate: 1.45%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-07-12 16:01:51

End at: 2019-07-12 16:02:21

Local clock offset: 0.029 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2019-07-12 18:15:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 530.04 Mbit/s

95th percentile per-packet one-way delay: 85.286 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 278.60 Mbit/s

95th percentile per-packet one-way delay: 78.668 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 274.18 Mbit/s

95th percentile per-packet one-way delay: 79.298 ms

Loss rate: 0.64%

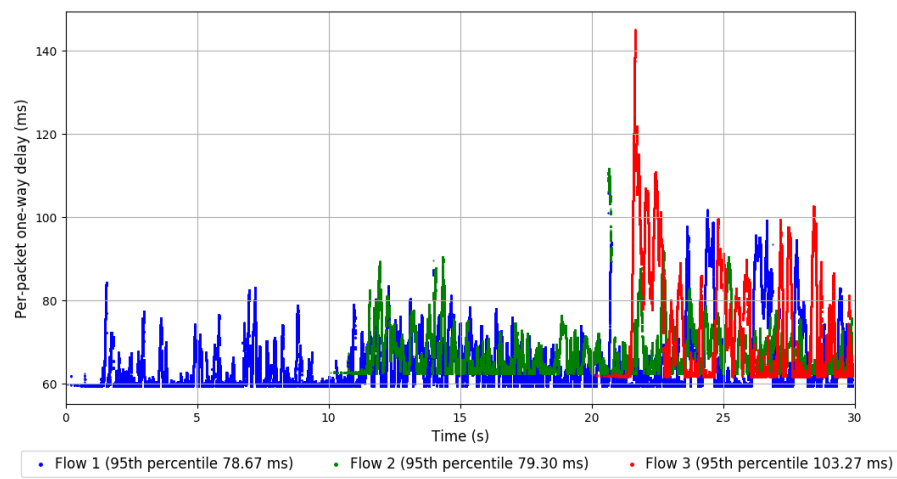
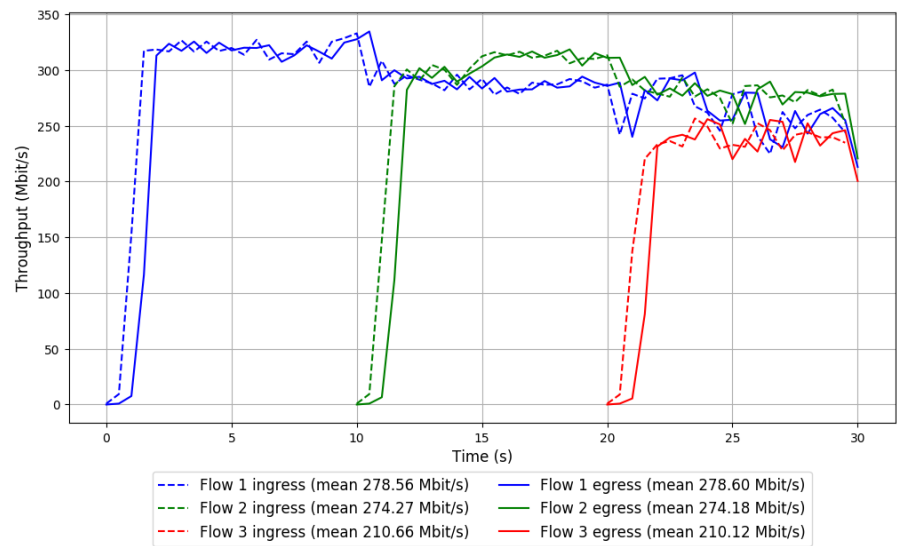
-- Flow 3:

Average throughput: 210.12 Mbit/s

95th percentile per-packet one-way delay: 103.265 ms

Loss rate: 1.52%

Run 4: Report of Copa — Data Link

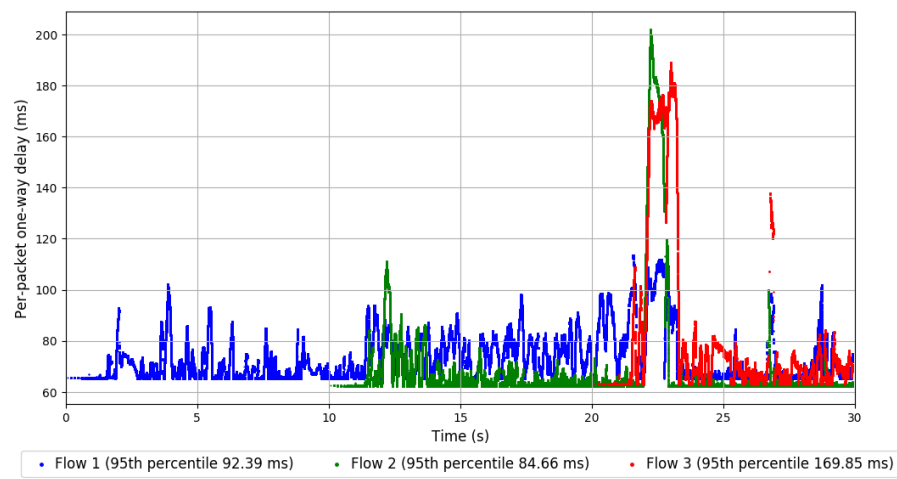
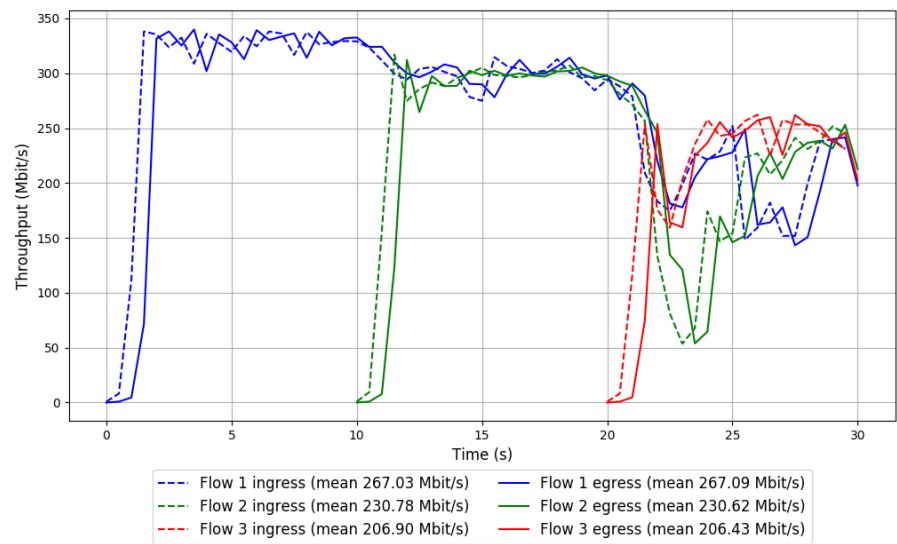


Run 5: Statistics of Copa

Start at: 2019-07-12 16:43:19
End at: 2019-07-12 16:43:49
Local clock offset: -0.06 ms
Remote clock offset: -0.199 ms

```
# Below is generated by plot.py at 2019-07-12 18:15:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 488.45 Mbit/s
95th percentile per-packet one-way delay: 95.794 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 267.09 Mbit/s
95th percentile per-packet one-way delay: 92.388 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 230.62 Mbit/s
95th percentile per-packet one-way delay: 84.662 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 206.43 Mbit/s
95th percentile per-packet one-way delay: 169.850 ms
Loss rate: 1.50%
```

Run 5: Report of Copa — Data Link

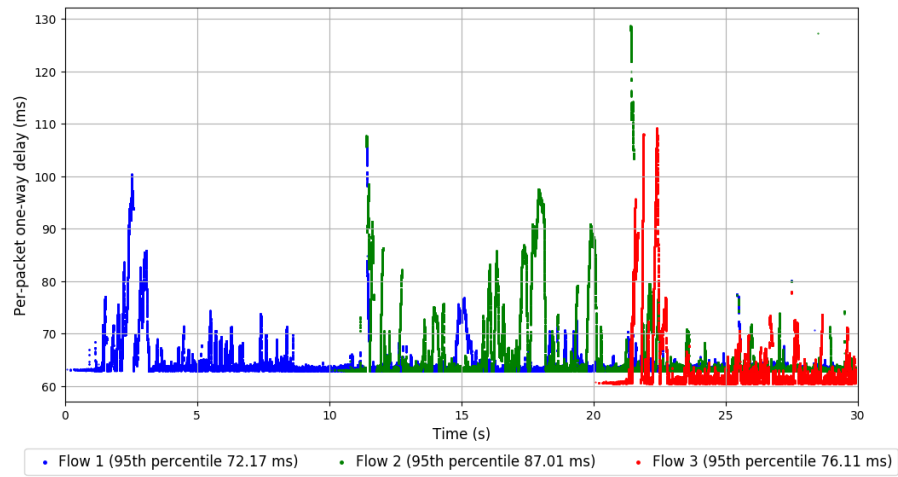
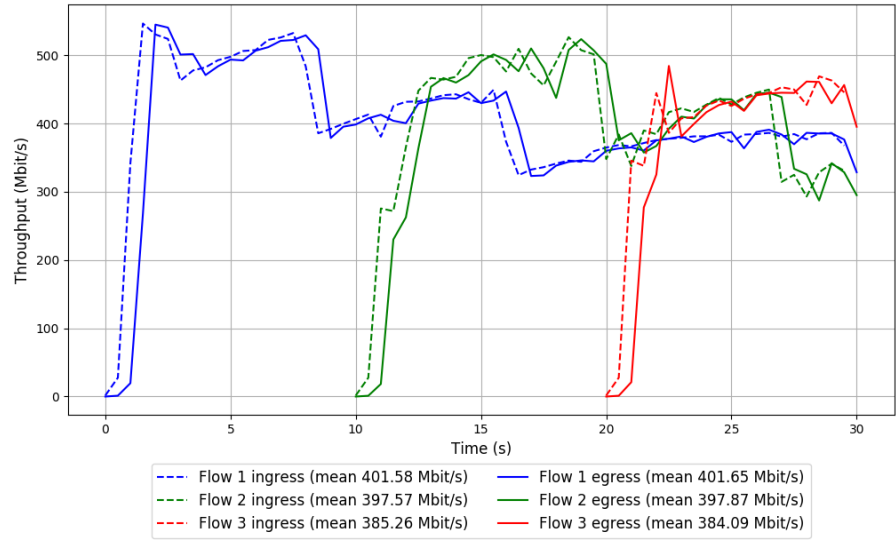


Run 1: Statistics of TCP Cubic

Start at: 2019-07-12 14:32:00
End at: 2019-07-12 14:32:30
Local clock offset: -0.005 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2019-07-12 18:15:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 792.72 Mbit/s
95th percentile per-packet one-way delay: 78.410 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 401.65 Mbit/s
95th percentile per-packet one-way delay: 72.175 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 397.87 Mbit/s
95th percentile per-packet one-way delay: 87.010 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 384.09 Mbit/s
95th percentile per-packet one-way delay: 76.112 ms
Loss rate: 1.51%

Run 1: Report of TCP Cubic — Data Link

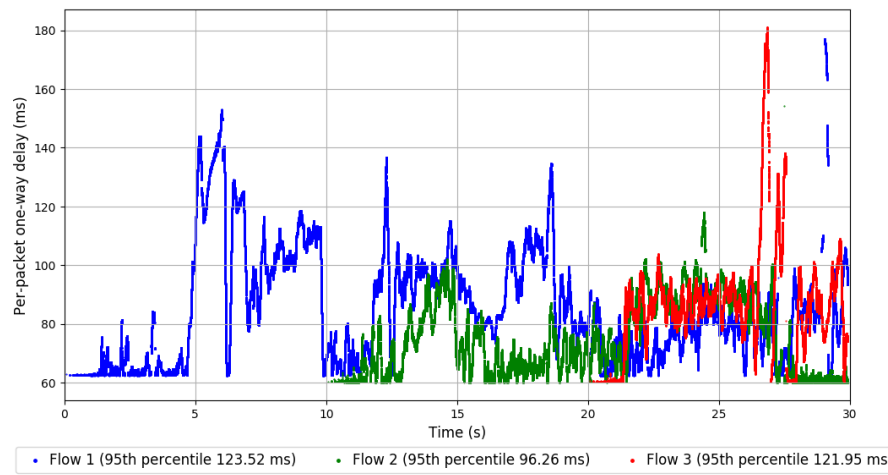
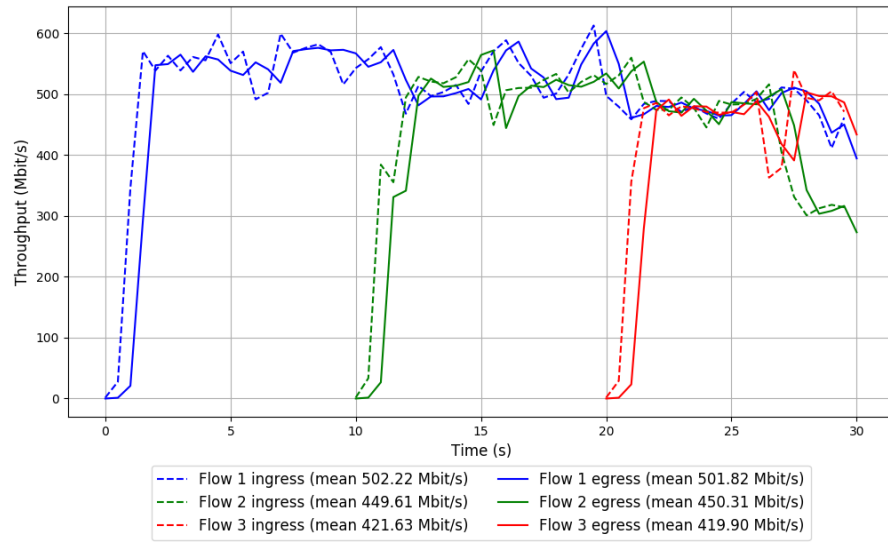


Run 2: Statistics of TCP Cubic

Start at: 2019-07-12 15:12:51
End at: 2019-07-12 15:13:21
Local clock offset: -0.029 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2019-07-12 18:15:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 939.88 Mbit/s
95th percentile per-packet one-way delay: 114.710 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 501.82 Mbit/s
95th percentile per-packet one-way delay: 123.519 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 450.31 Mbit/s
95th percentile per-packet one-way delay: 96.258 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 419.90 Mbit/s
95th percentile per-packet one-way delay: 121.948 ms
Loss rate: 1.61%

Run 2: Report of TCP Cubic — Data Link

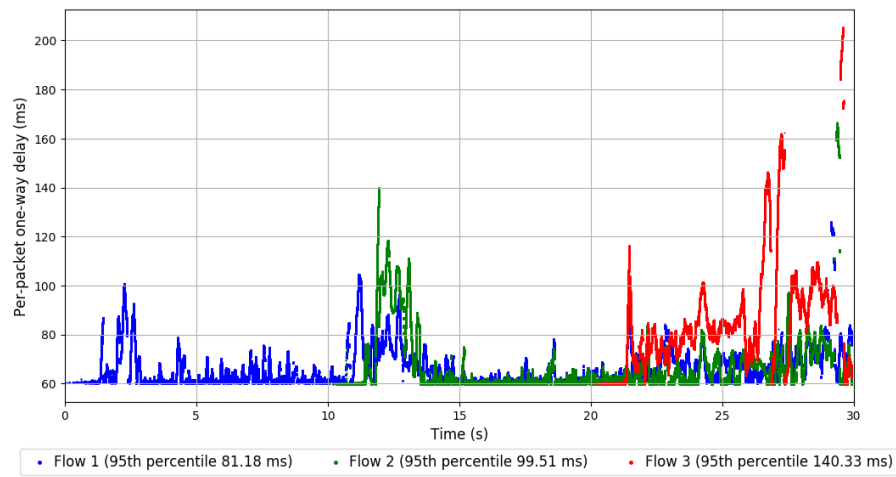
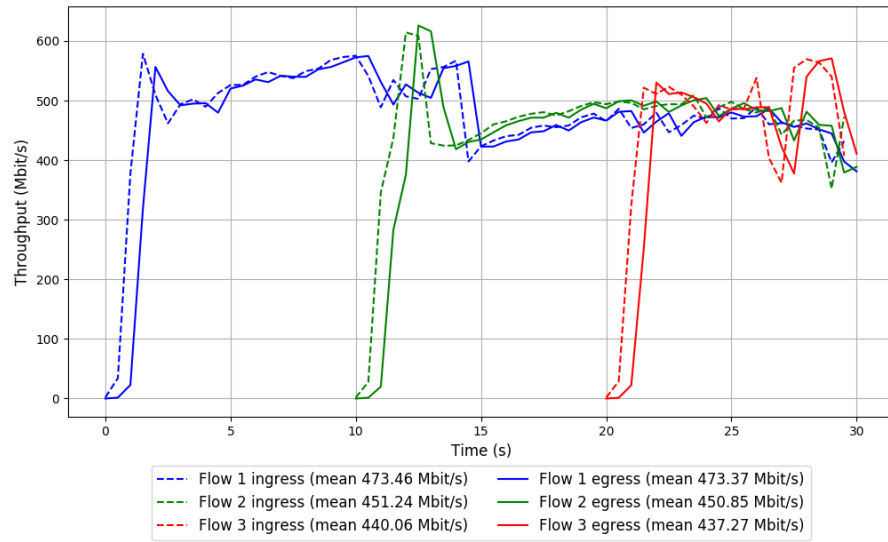


Run 3: Statistics of TCP Cubic

Start at: 2019-07-12 15:54:11
End at: 2019-07-12 15:54:41
Local clock offset: 0.034 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2019-07-12 18:15:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 917.40 Mbit/s
95th percentile per-packet one-way delay: 98.730 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 473.37 Mbit/s
95th percentile per-packet one-way delay: 81.182 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 450.85 Mbit/s
95th percentile per-packet one-way delay: 99.513 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 437.27 Mbit/s
95th percentile per-packet one-way delay: 140.333 ms
Loss rate: 1.84%

Run 3: Report of TCP Cubic — Data Link

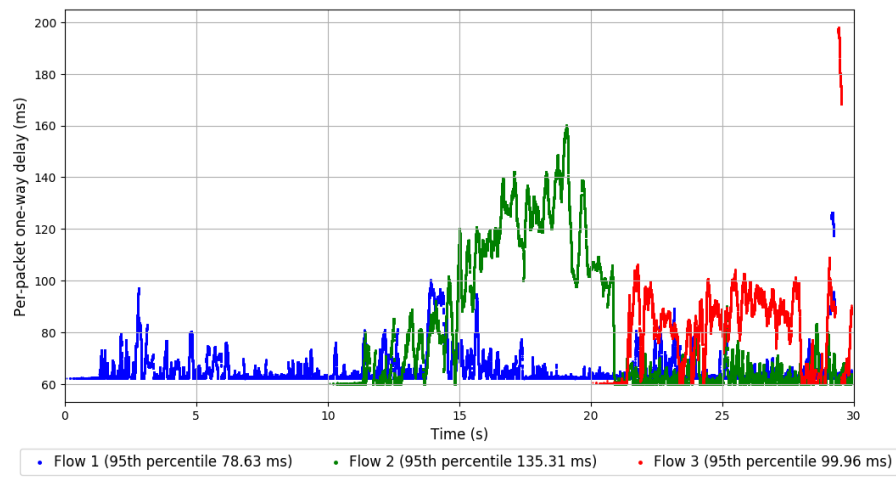
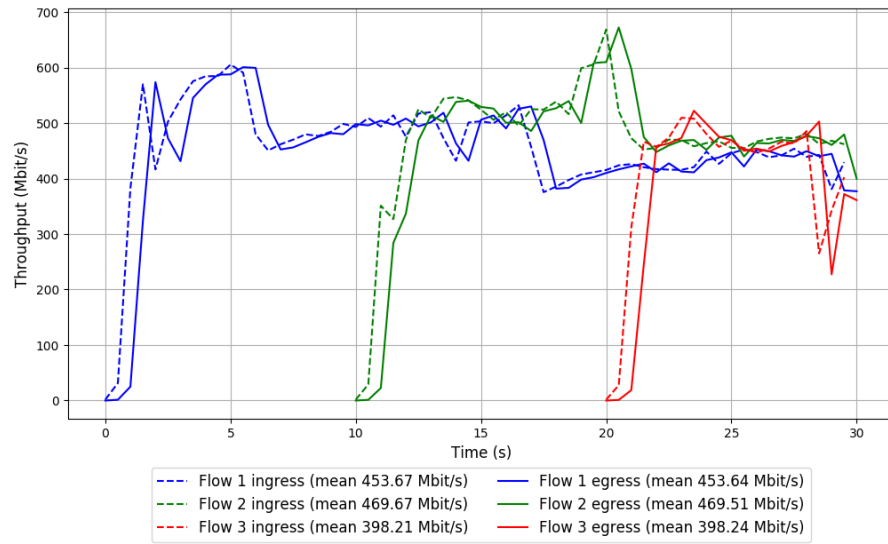


Run 4: Statistics of TCP Cubic

Start at: 2019-07-12 16:35:40
End at: 2019-07-12 16:36:10
Local clock offset: -0.04 ms
Remote clock offset: -0.243 ms

Below is generated by plot.py at 2019-07-12 18:15:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 897.13 Mbit/s
95th percentile per-packet one-way delay: 122.083 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 453.64 Mbit/s
95th percentile per-packet one-way delay: 78.634 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 469.51 Mbit/s
95th percentile per-packet one-way delay: 135.307 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 398.24 Mbit/s
95th percentile per-packet one-way delay: 99.963 ms
Loss rate: 1.24%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-07-12 17:16:58

End at: 2019-07-12 17:17:28

Local clock offset: -0.02 ms

Remote clock offset: -0.76 ms

Below is generated by plot.py at 2019-07-12 18:16:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 892.46 Mbit/s

95th percentile per-packet one-way delay: 104.522 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 449.45 Mbit/s

95th percentile per-packet one-way delay: 89.088 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 477.24 Mbit/s

95th percentile per-packet one-way delay: 109.304 ms

Loss rate: 0.73%

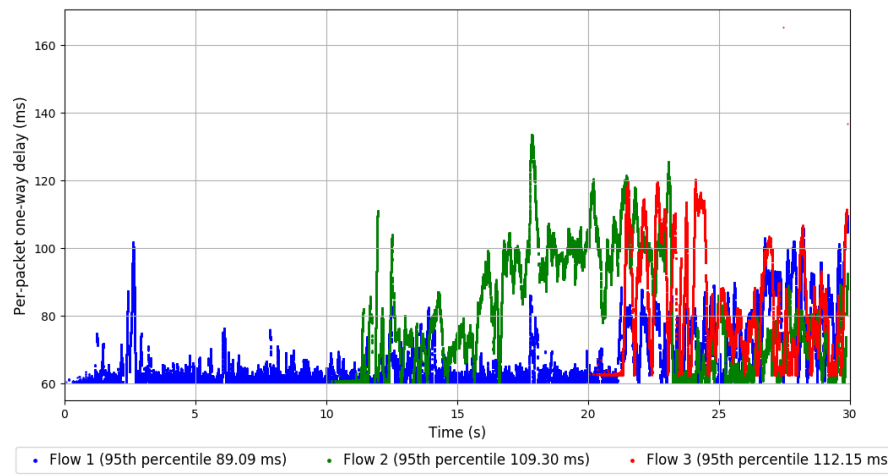
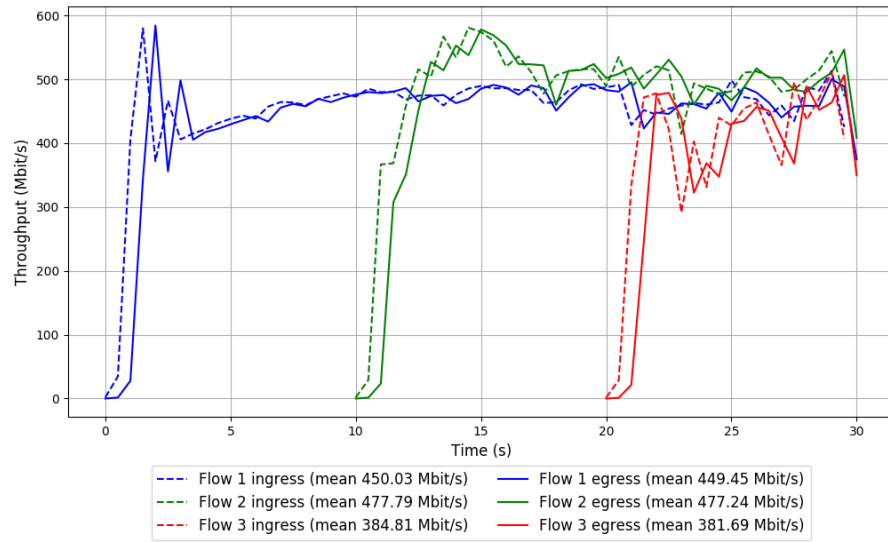
-- Flow 3:

Average throughput: 381.69 Mbit/s

95th percentile per-packet one-way delay: 112.153 ms

Loss rate: 1.76%

Run 5: Report of TCP Cubic — Data Link

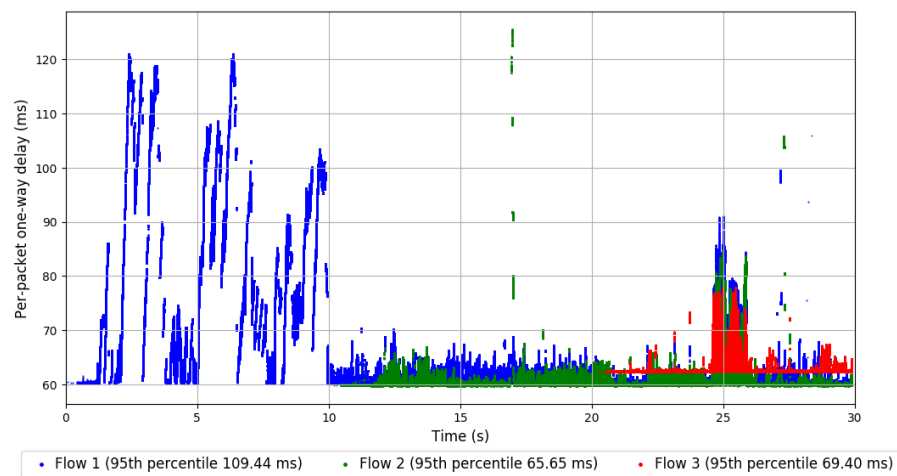
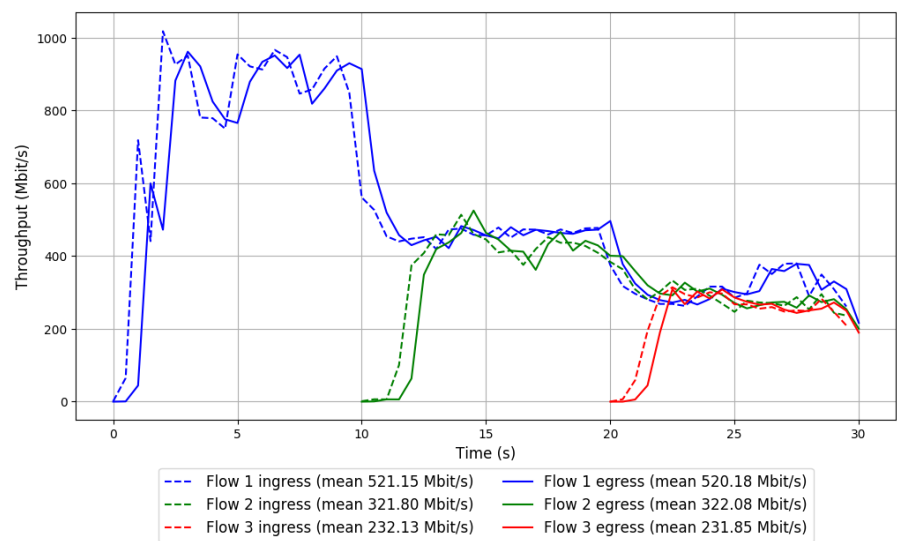


Run 1: Statistics of FillP

Start at: 2019-07-12 14:02:25
End at: 2019-07-12 14:02:55
Local clock offset: -0.027 ms
Remote clock offset: -0.243 ms

Below is generated by plot.py at 2019-07-12 18:18:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 809.54 Mbit/s
95th percentile per-packet one-way delay: 104.311 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 520.18 Mbit/s
95th percentile per-packet one-way delay: 109.438 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 322.08 Mbit/s
95th percentile per-packet one-way delay: 65.650 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 231.85 Mbit/s
95th percentile per-packet one-way delay: 69.400 ms
Loss rate: 1.23%

Run 1: Report of FillP — Data Link

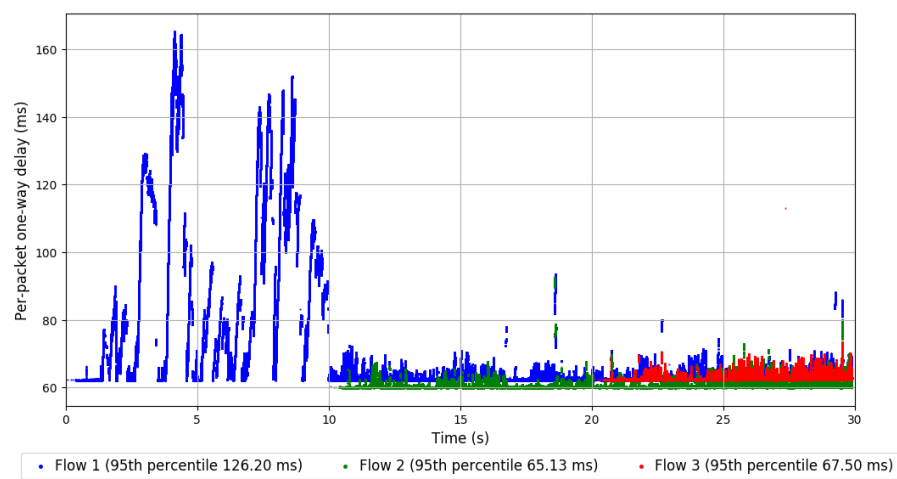
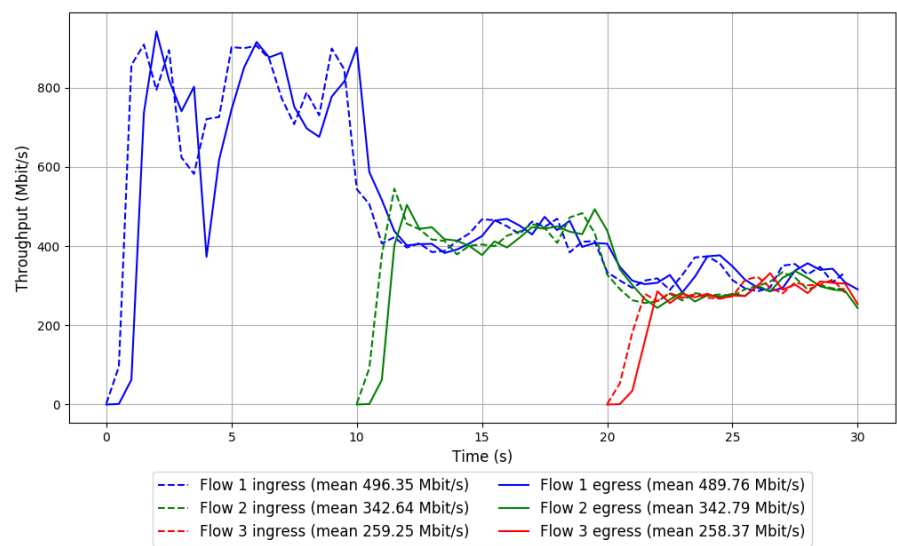


Run 2: Statistics of FillP

Start at: 2019-07-12 14:43:23
End at: 2019-07-12 14:43:53
Local clock offset: -0.068 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2019-07-12 18:29:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 802.28 Mbit/s
95th percentile per-packet one-way delay: 117.294 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 489.76 Mbit/s
95th percentile per-packet one-way delay: 126.197 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 342.79 Mbit/s
95th percentile per-packet one-way delay: 65.128 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 258.37 Mbit/s
95th percentile per-packet one-way delay: 67.503 ms
Loss rate: 1.40%

Run 2: Report of FillP — Data Link

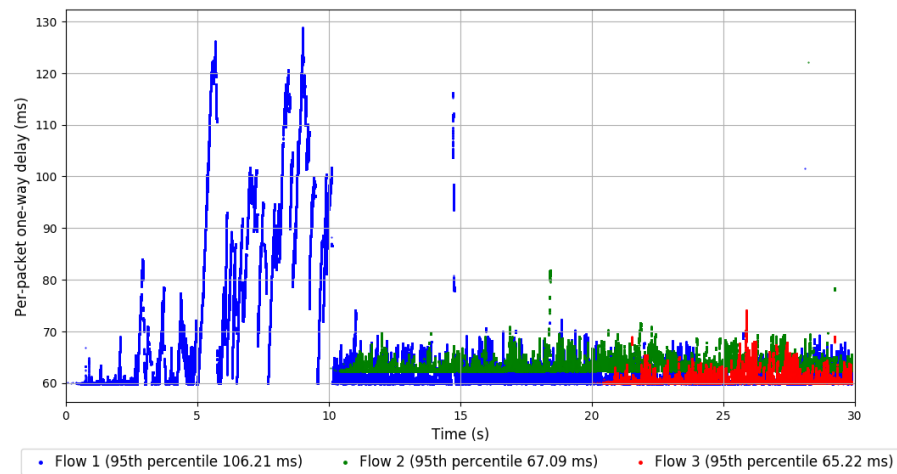
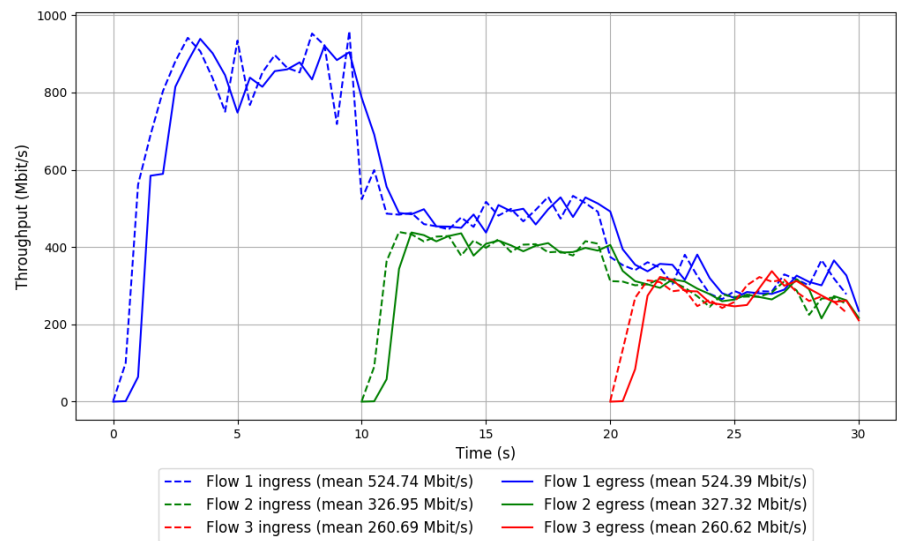


Run 3: Statistics of FillP

Start at: 2019-07-12 15:24:27
End at: 2019-07-12 15:24:57
Local clock offset: -0.002 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2019-07-12 18:32:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 827.39 Mbit/s
95th percentile per-packet one-way delay: 98.517 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 524.39 Mbit/s
95th percentile per-packet one-way delay: 106.211 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 327.32 Mbit/s
95th percentile per-packet one-way delay: 67.088 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 260.62 Mbit/s
95th percentile per-packet one-way delay: 65.222 ms
Loss rate: 1.08%

Run 3: Report of FillP — Data Link

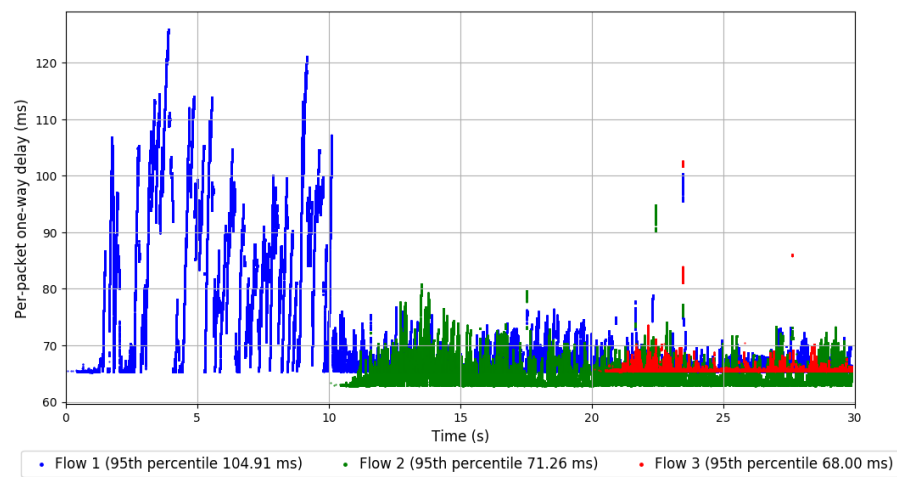
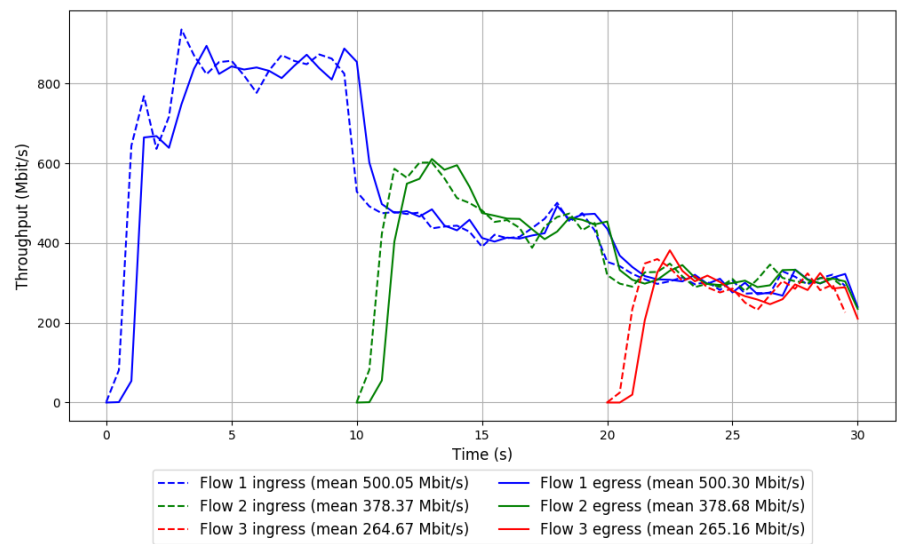


Run 4: Statistics of FillP

Start at: 2019-07-12 16:05:48
End at: 2019-07-12 16:06:18
Local clock offset: 0.045 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2019-07-12 18:32:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 838.75 Mbit/s
95th percentile per-packet one-way delay: 100.770 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 500.30 Mbit/s
95th percentile per-packet one-way delay: 104.912 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 378.68 Mbit/s
95th percentile per-packet one-way delay: 71.258 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 265.16 Mbit/s
95th percentile per-packet one-way delay: 68.003 ms
Loss rate: 1.16%

Run 4: Report of FillP — Data Link

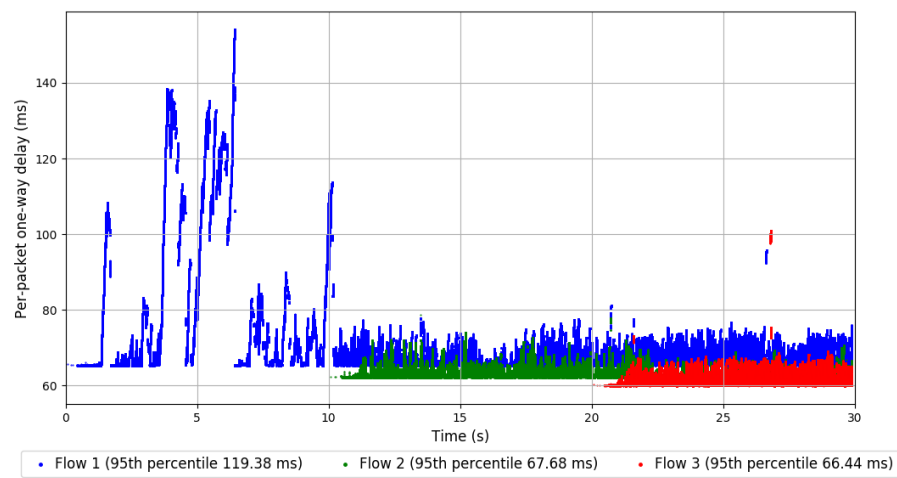
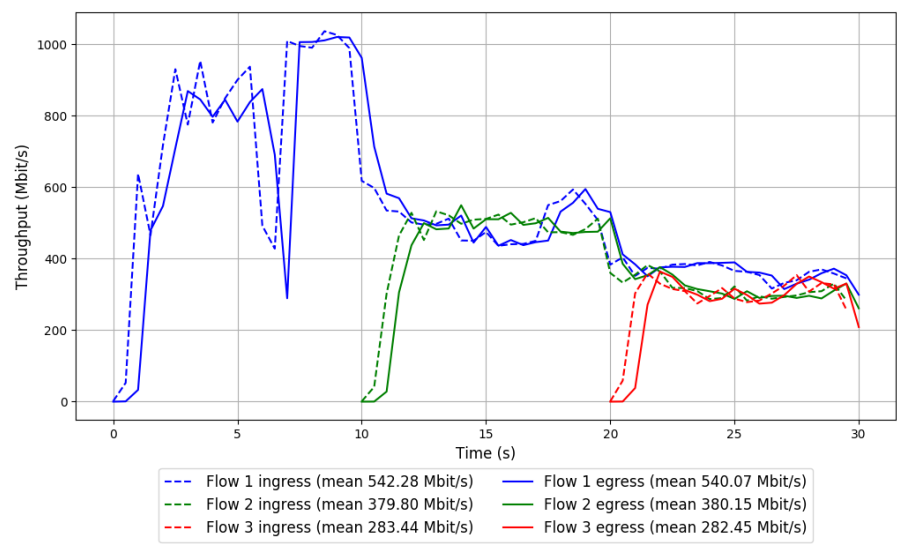


Run 5: Statistics of FillP

Start at: 2019-07-12 16:47:12
End at: 2019-07-12 16:47:42
Local clock offset: -0.028 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2019-07-12 18:33:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 885.43 Mbit/s
95th percentile per-packet one-way delay: 109.681 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 540.07 Mbit/s
95th percentile per-packet one-way delay: 119.383 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 380.15 Mbit/s
95th percentile per-packet one-way delay: 67.680 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 282.45 Mbit/s
95th percentile per-packet one-way delay: 66.436 ms
Loss rate: 1.48%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-07-12 14:33:54

End at: 2019-07-12 14:34:24

Local clock offset: -0.032 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2019-07-12 18:33:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 773.38 Mbit/s

95th percentile per-packet one-way delay: 99.240 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 479.39 Mbit/s

95th percentile per-packet one-way delay: 109.084 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 322.28 Mbit/s

95th percentile per-packet one-way delay: 66.764 ms

Loss rate: 0.48%

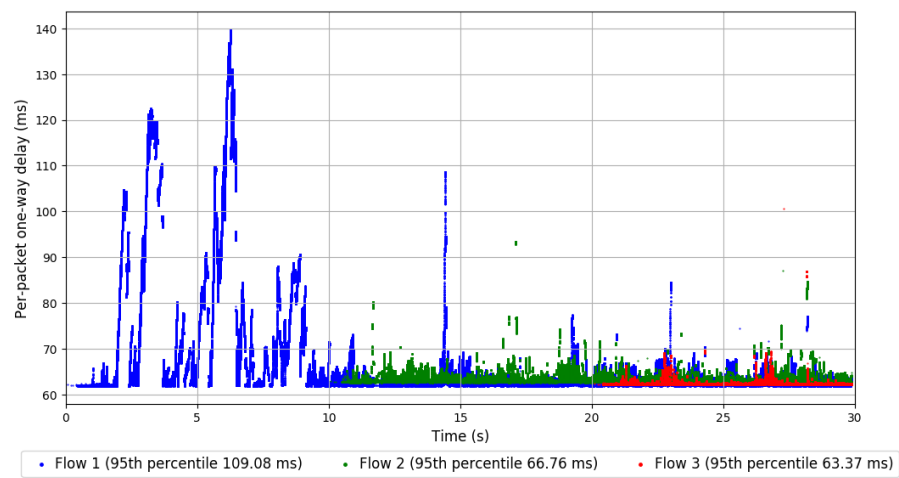
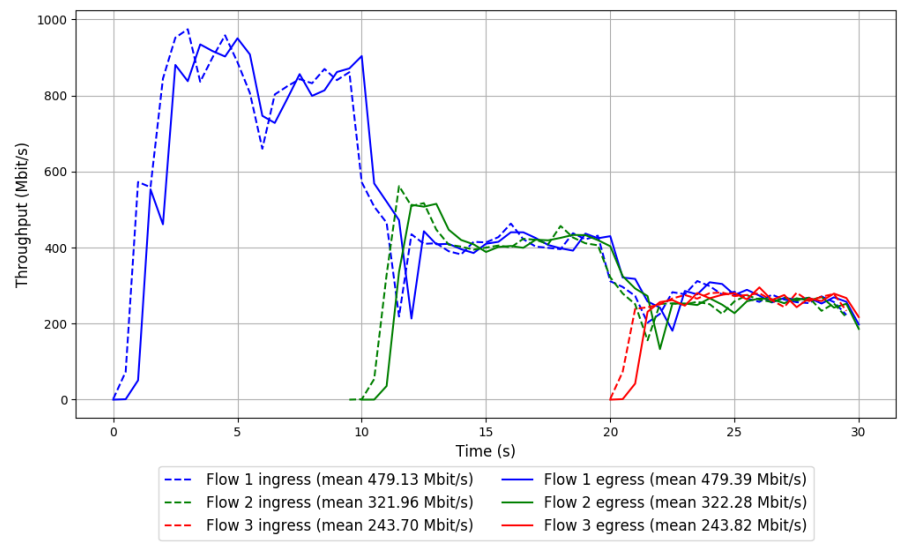
-- Flow 3:

Average throughput: 243.82 Mbit/s

95th percentile per-packet one-way delay: 63.369 ms

Loss rate: 1.23%

Run 1: Report of FillP-Sheep — Data Link

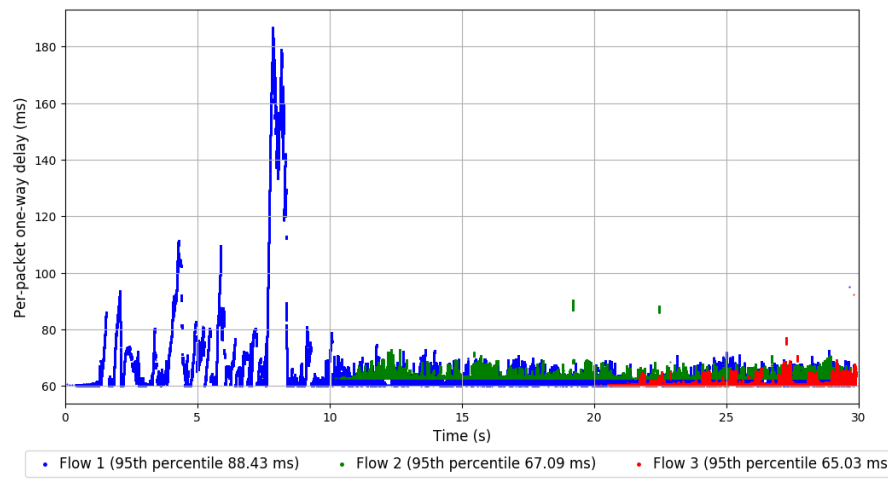
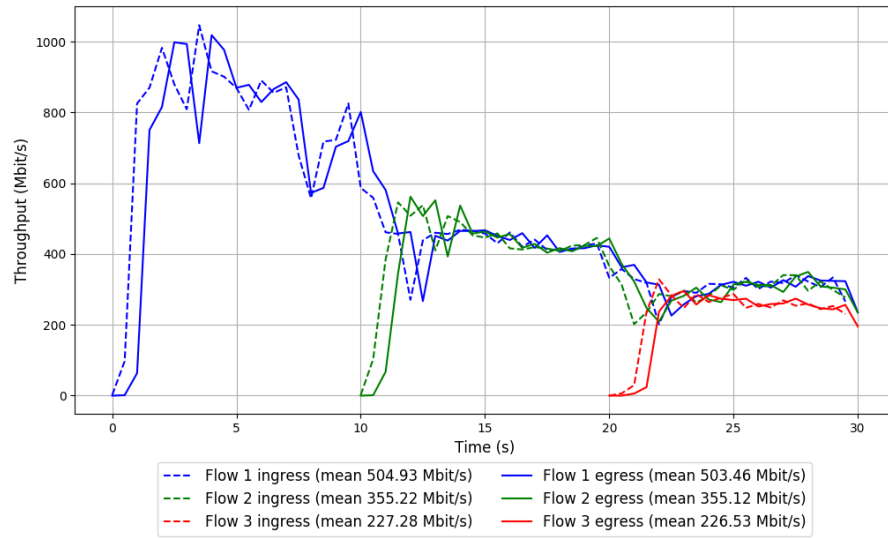


Run 2: Statistics of FillP-Sheep

Start at: 2019-07-12 15:14:52
End at: 2019-07-12 15:15:22
Local clock offset: 0.005 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2019-07-12 18:33:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 813.76 Mbit/s
95th percentile per-packet one-way delay: 79.939 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 503.46 Mbit/s
95th percentile per-packet one-way delay: 88.430 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 355.12 Mbit/s
95th percentile per-packet one-way delay: 67.093 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 226.53 Mbit/s
95th percentile per-packet one-way delay: 65.032 ms
Loss rate: 1.46%

Run 2: Report of FillP-Sheep — Data Link

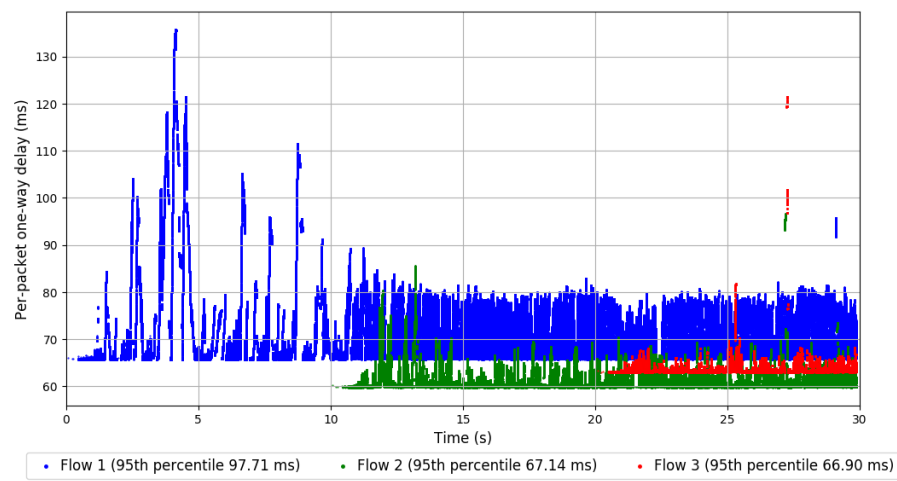
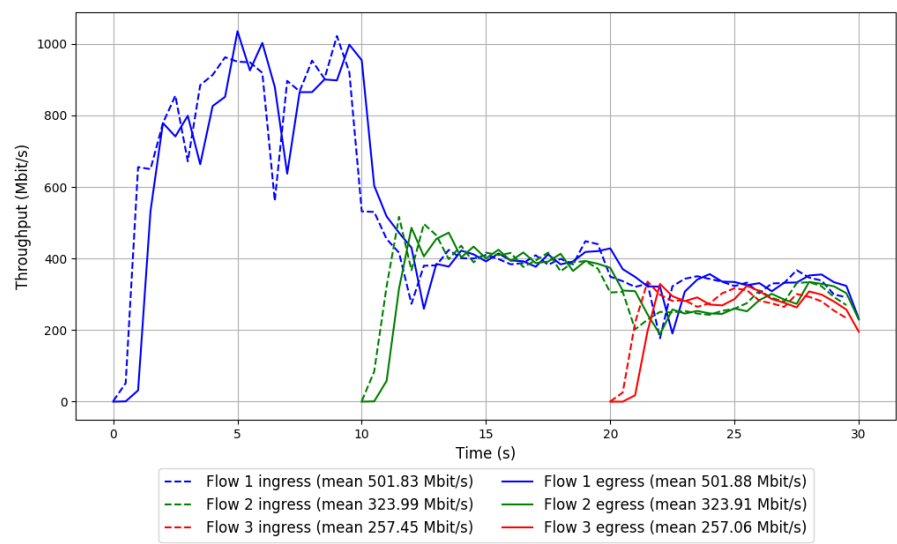


Run 3: Statistics of FillP-Sheep

Start at: 2019-07-12 15:56:12
End at: 2019-07-12 15:56:42
Local clock offset: 0.036 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2019-07-12 18:33:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 801.67 Mbit/s
95th percentile per-packet one-way delay: 91.703 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 501.88 Mbit/s
95th percentile per-packet one-way delay: 97.708 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 323.91 Mbit/s
95th percentile per-packet one-way delay: 67.141 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 257.06 Mbit/s
95th percentile per-packet one-way delay: 66.898 ms
Loss rate: 1.24%

Run 3: Report of FillP-Sheep — Data Link

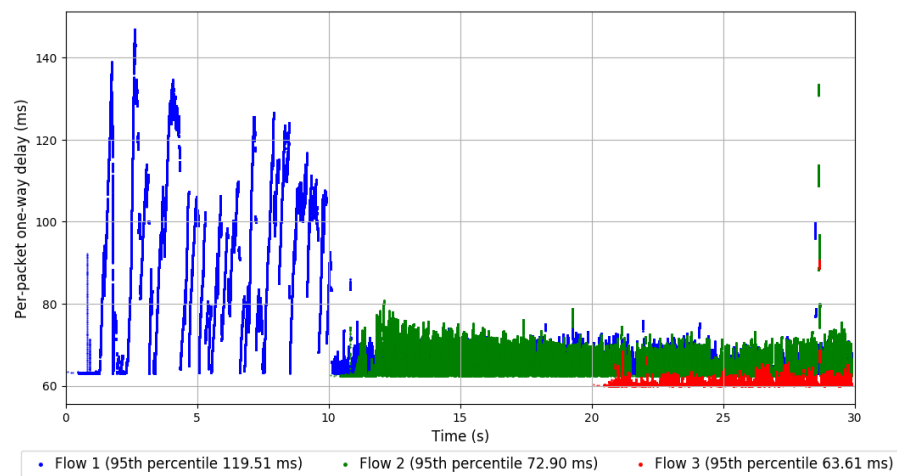
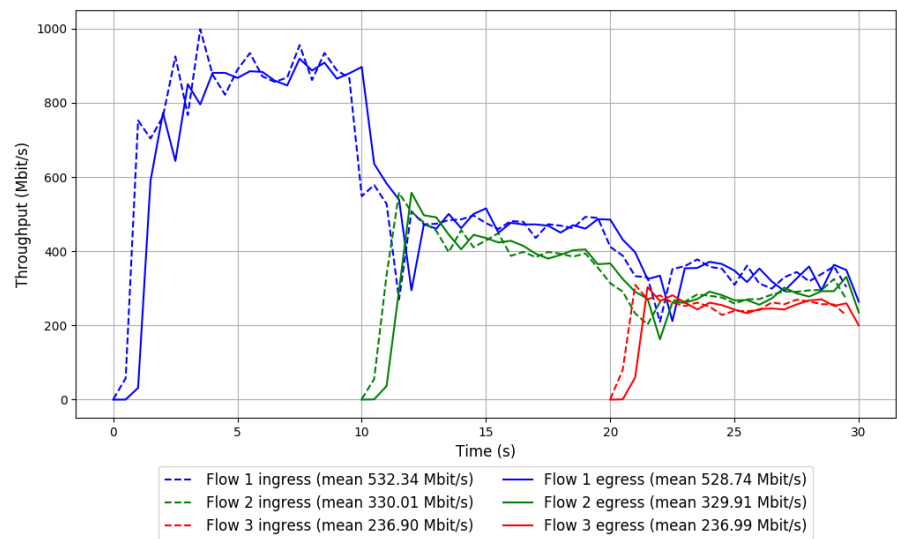


Run 4: Statistics of FillP-Sheep

Start at: 2019-07-12 16:37:41
End at: 2019-07-12 16:38:11
Local clock offset: -0.063 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2019-07-12 18:36:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 825.57 Mbit/s
95th percentile per-packet one-way delay: 111.821 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 528.74 Mbit/s
95th percentile per-packet one-way delay: 119.508 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 329.91 Mbit/s
95th percentile per-packet one-way delay: 72.897 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 236.99 Mbit/s
95th percentile per-packet one-way delay: 63.606 ms
Loss rate: 1.31%

Run 4: Report of FillP-Sheep — Data Link

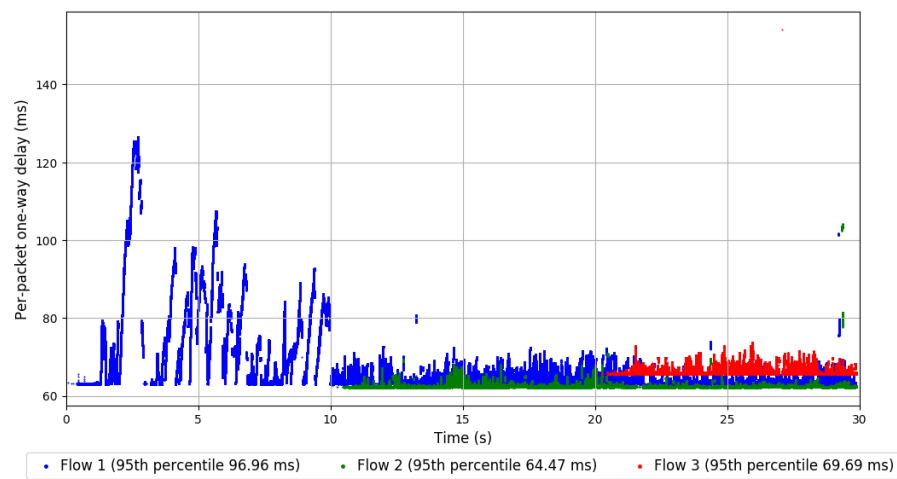
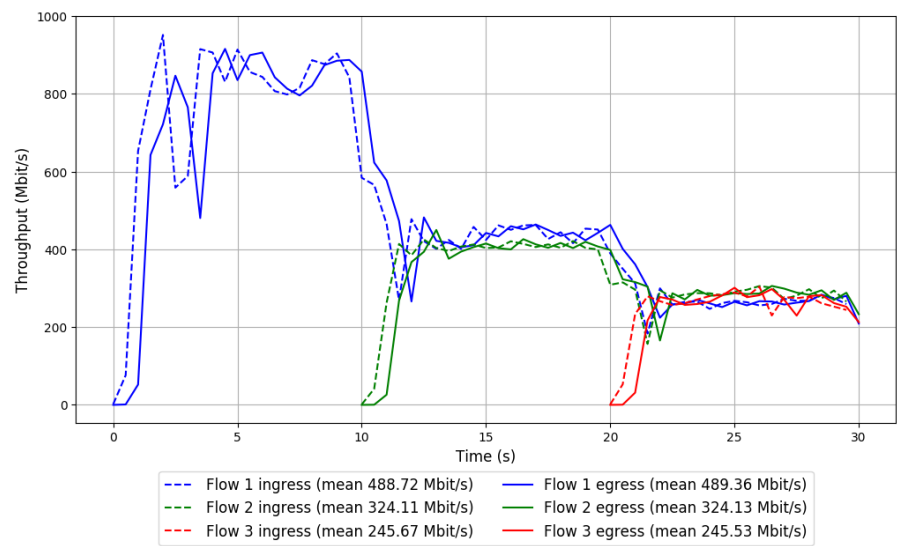


Run 5: Statistics of FillP-Sheep

Start at: 2019-07-12 17:18:58
End at: 2019-07-12 17:19:28
Local clock offset: -0.017 ms
Remote clock offset: -0.319 ms

Below is generated by plot.py at 2019-07-12 18:47:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 784.84 Mbit/s
95th percentile per-packet one-way delay: 90.099 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 489.36 Mbit/s
95th percentile per-packet one-way delay: 96.961 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 324.13 Mbit/s
95th percentile per-packet one-way delay: 64.469 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 245.53 Mbit/s
95th percentile per-packet one-way delay: 69.692 ms
Loss rate: 1.43%

Run 5: Report of FillP-Sheep — Data Link

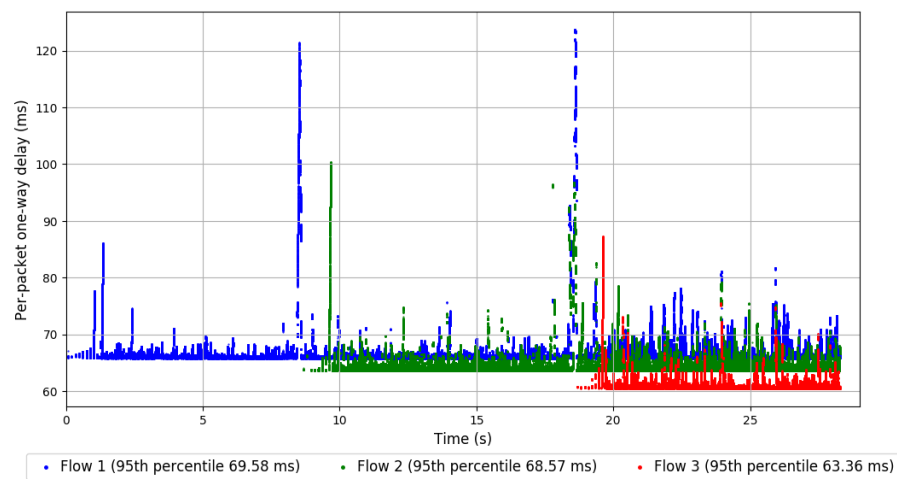
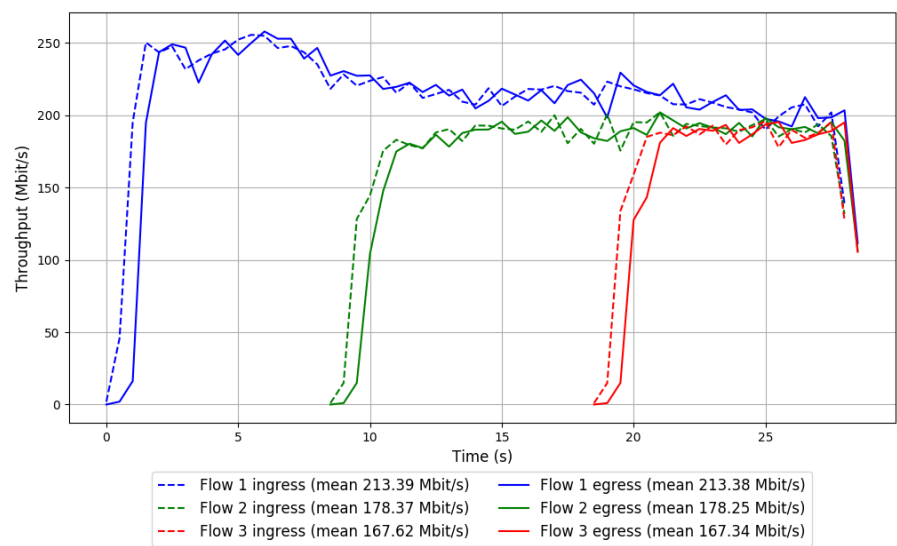


Run 1: Statistics of Indigo

Start at: 2019-07-12 14:28:22
End at: 2019-07-12 14:28:52
Local clock offset: -0.008 ms
Remote clock offset: -0.796 ms

Below is generated by plot.py at 2019-07-12 18:47:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 394.25 Mbit/s
95th percentile per-packet one-way delay: 68.885 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 213.38 Mbit/s
95th percentile per-packet one-way delay: 69.585 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 178.25 Mbit/s
95th percentile per-packet one-way delay: 68.574 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 167.34 Mbit/s
95th percentile per-packet one-way delay: 63.357 ms
Loss rate: 1.40%

Run 1: Report of Indigo — Data Link

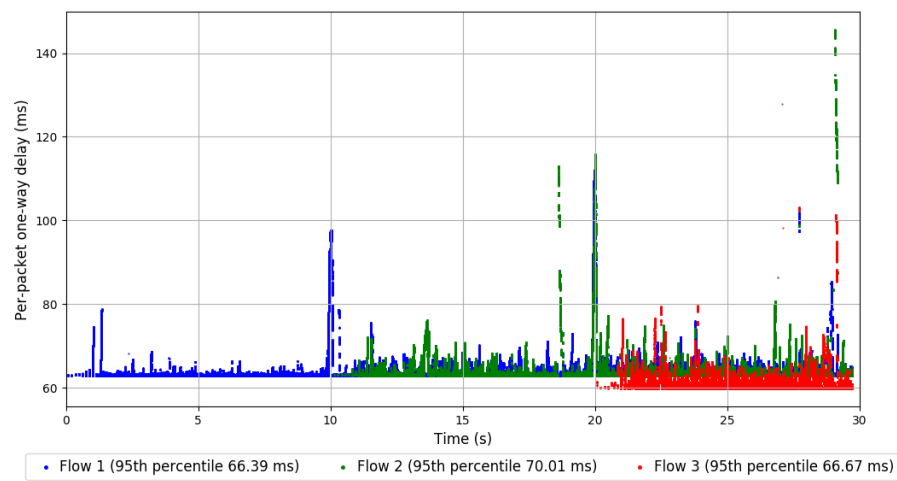
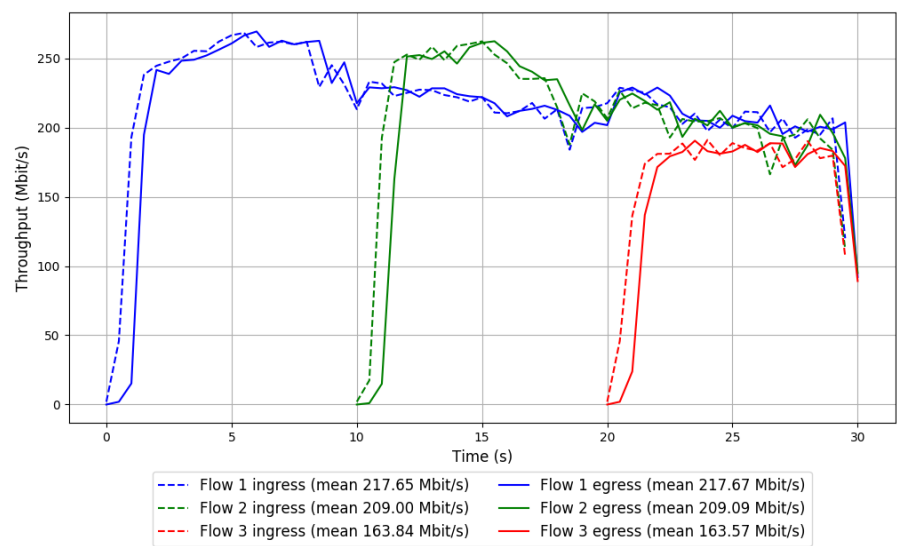


Run 2: Statistics of Indigo

Start at: 2019-07-12 15:09:14
End at: 2019-07-12 15:09:44
Local clock offset: -0.034 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2019-07-12 18:47:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 409.04 Mbit/s
95th percentile per-packet one-way delay: 67.456 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 217.67 Mbit/s
95th percentile per-packet one-way delay: 66.388 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 209.09 Mbit/s
95th percentile per-packet one-way delay: 70.008 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 163.57 Mbit/s
95th percentile per-packet one-way delay: 66.671 ms
Loss rate: 1.36%

Run 2: Report of Indigo — Data Link

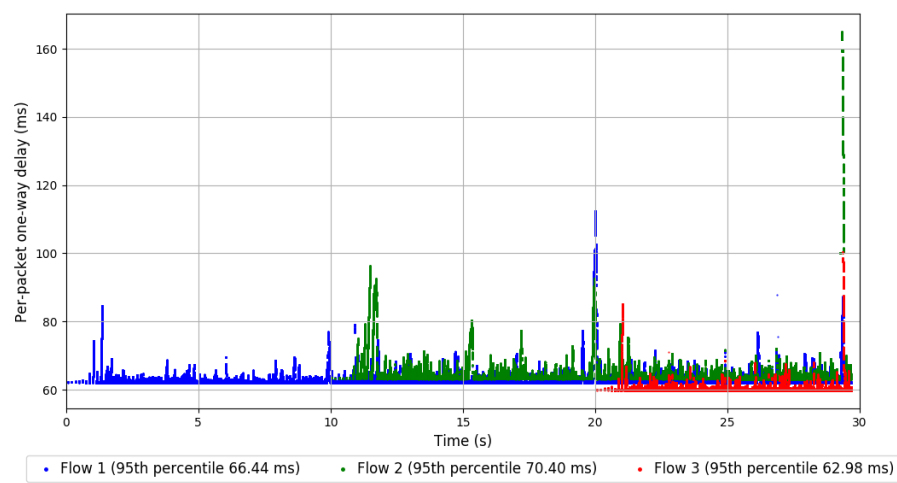
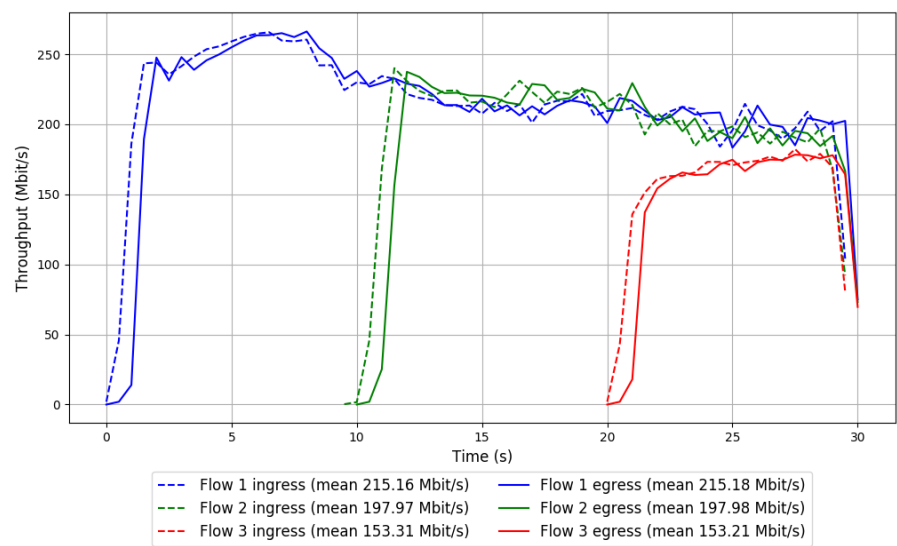


Run 3: Statistics of Indigo

Start at: 2019-07-12 15:50:32
End at: 2019-07-12 15:51:02
Local clock offset: 0.019 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2019-07-12 18:47:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 396.11 Mbit/s
95th percentile per-packet one-way delay: 67.610 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 215.18 Mbit/s
95th percentile per-packet one-way delay: 66.437 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 197.98 Mbit/s
95th percentile per-packet one-way delay: 70.404 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 153.21 Mbit/s
95th percentile per-packet one-way delay: 62.982 ms
Loss rate: 1.30%

Run 3: Report of Indigo — Data Link

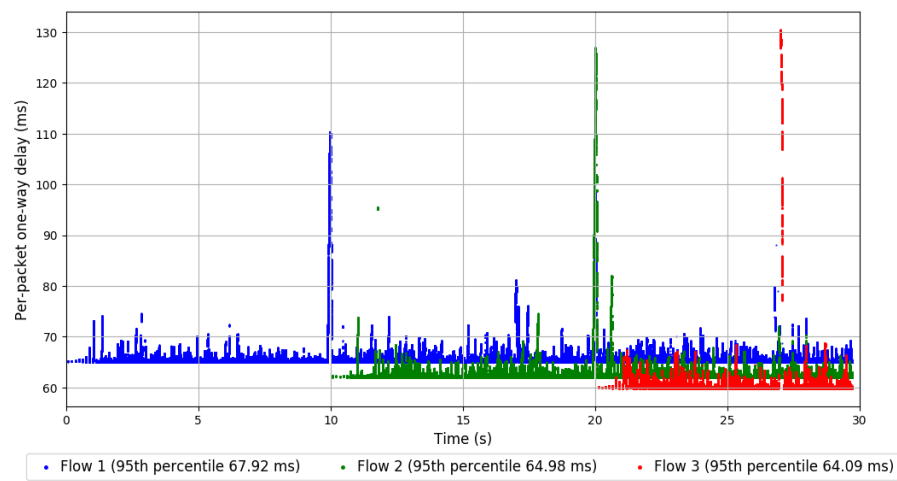
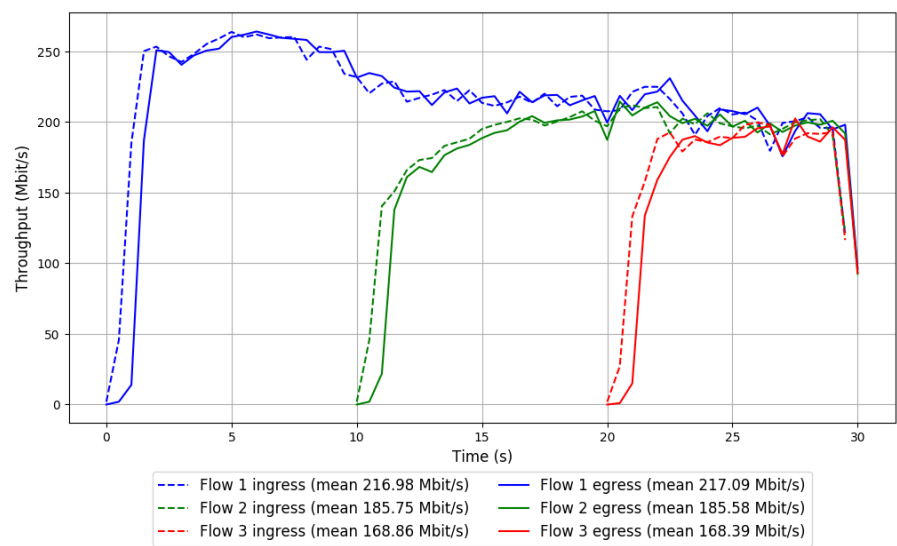


Run 4: Statistics of Indigo

Start at: 2019-07-12 16:32:00
End at: 2019-07-12 16:32:30
Local clock offset: -0.055 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-07-12 18:47:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 394.56 Mbit/s
95th percentile per-packet one-way delay: 67.262 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 217.09 Mbit/s
95th percentile per-packet one-way delay: 67.915 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 185.58 Mbit/s
95th percentile per-packet one-way delay: 64.983 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 168.39 Mbit/s
95th percentile per-packet one-way delay: 64.092 ms
Loss rate: 1.53%

Run 4: Report of Indigo — Data Link

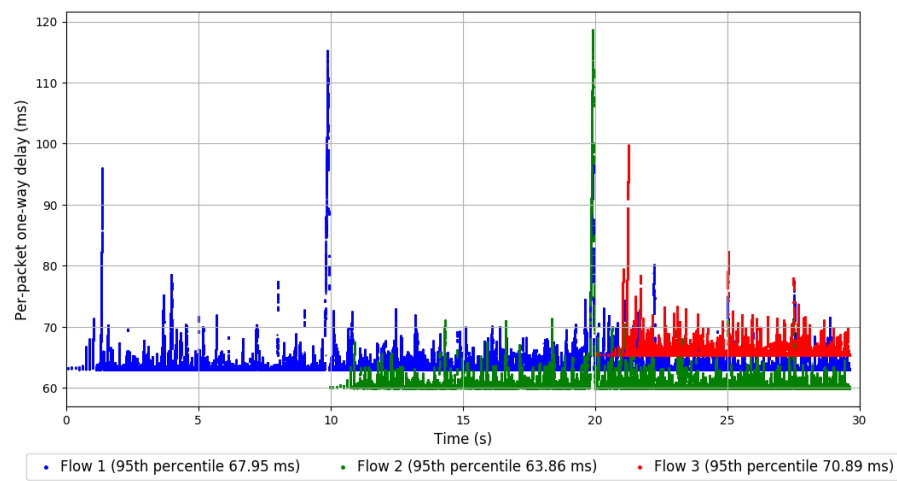
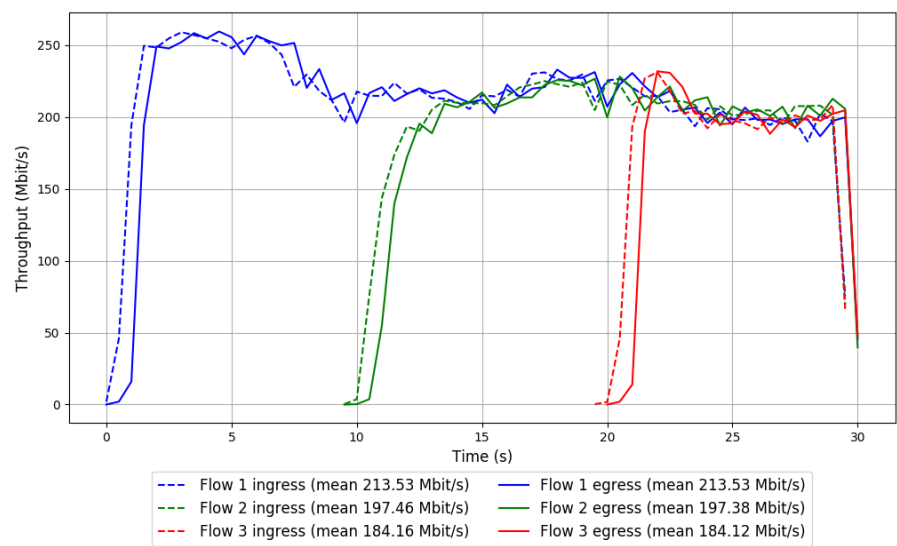


Run 5: Statistics of Indigo

Start at: 2019-07-12 17:13:17
End at: 2019-07-12 17:13:47
Local clock offset: 0.006 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2019-07-12 18:47:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 404.40 Mbit/s
95th percentile per-packet one-way delay: 68.143 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 213.53 Mbit/s
95th percentile per-packet one-way delay: 67.949 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 197.38 Mbit/s
95th percentile per-packet one-way delay: 63.863 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 184.12 Mbit/s
95th percentile per-packet one-way delay: 70.887 ms
Loss rate: 1.34%

Run 5: Report of Indigo — Data Link

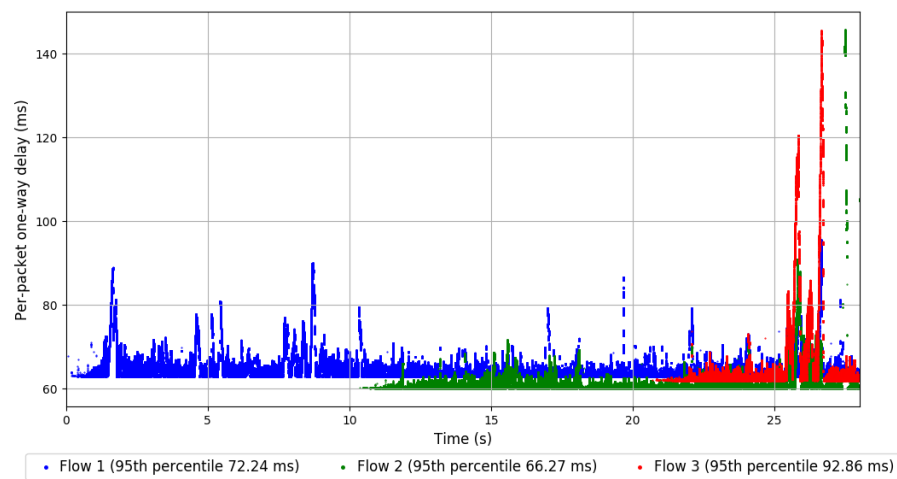
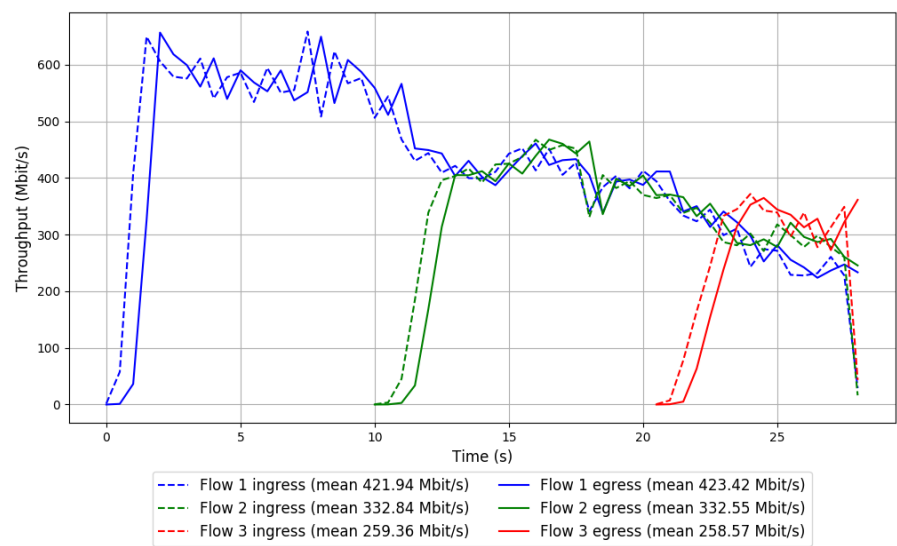


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-07-12 14:17:12
End at: 2019-07-12 14:17:42
Local clock offset: 0.019 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2019-07-12 18:47:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 700.09 Mbit/s
95th percentile per-packet one-way delay: 71.959 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 423.42 Mbit/s
95th percentile per-packet one-way delay: 72.237 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 332.55 Mbit/s
95th percentile per-packet one-way delay: 66.265 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 258.57 Mbit/s
95th percentile per-packet one-way delay: 92.855 ms
Loss rate: 1.95%

Run 1: Report of Indigo-MusesC3 — Data Link

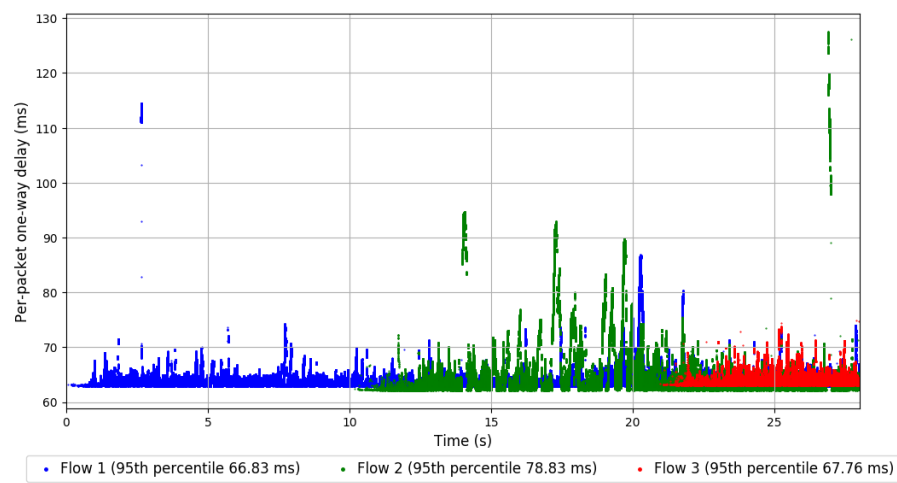
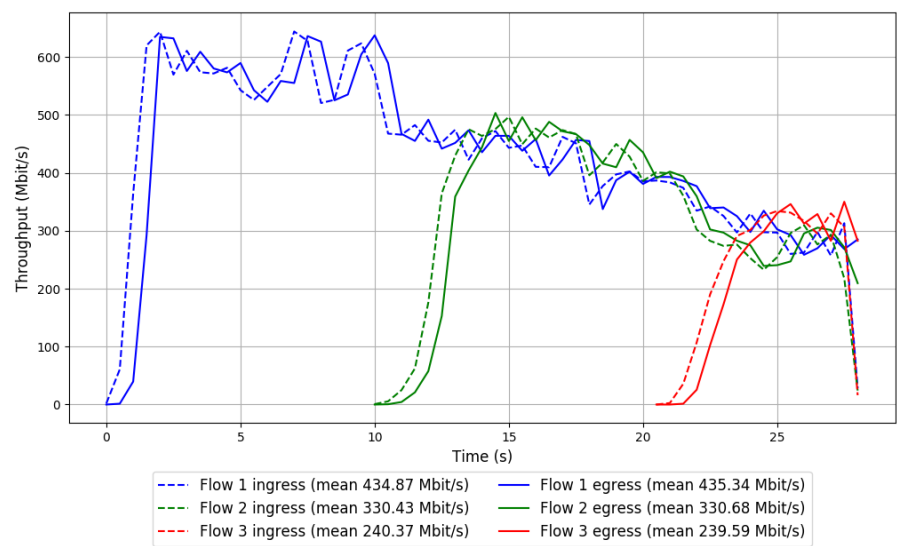


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-07-12 14:58:07
End at: 2019-07-12 14:58:37
Local clock offset: -0.043 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2019-07-12 18:49:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 706.09 Mbit/s
95th percentile per-packet one-way delay: 70.628 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 435.34 Mbit/s
95th percentile per-packet one-way delay: 66.834 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 330.68 Mbit/s
95th percentile per-packet one-way delay: 78.832 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 239.59 Mbit/s
95th percentile per-packet one-way delay: 67.756 ms
Loss rate: 1.95%

Run 2: Report of Indigo-MusesC3 — Data Link

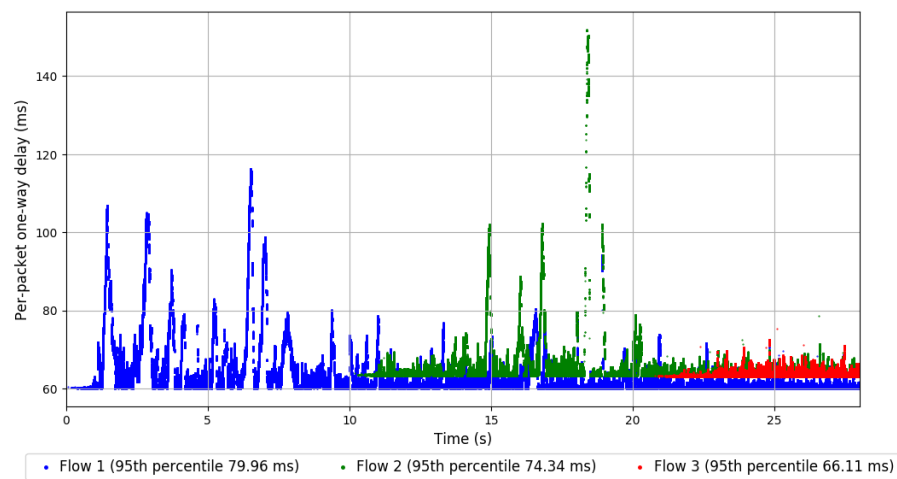
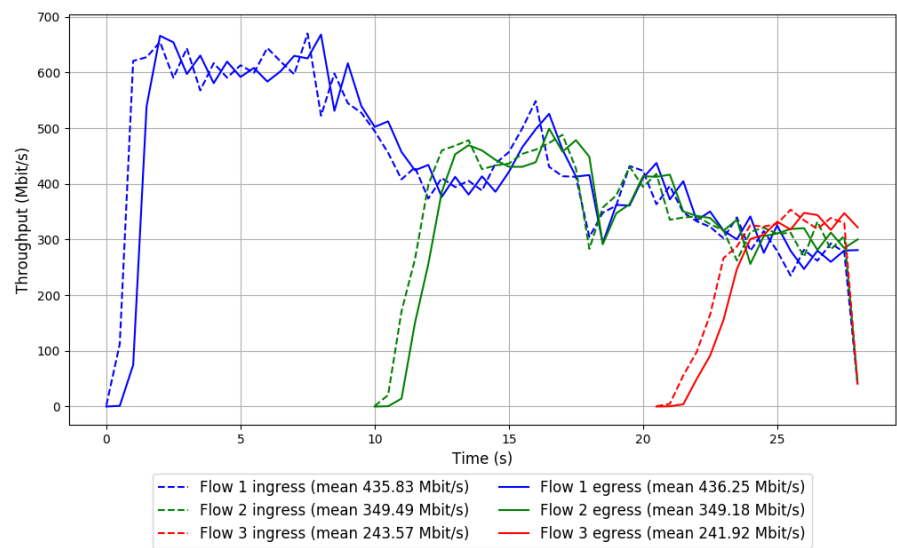


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-07-12 15:39:21
End at: 2019-07-12 15:39:51
Local clock offset: 0.019 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2019-07-12 18:57:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 721.18 Mbit/s
95th percentile per-packet one-way delay: 77.330 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 436.25 Mbit/s
95th percentile per-packet one-way delay: 79.962 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 349.18 Mbit/s
95th percentile per-packet one-way delay: 74.339 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 241.92 Mbit/s
95th percentile per-packet one-way delay: 66.111 ms
Loss rate: 2.35%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-07-12 16:20:45

End at: 2019-07-12 16:21:15

Local clock offset: 0.001 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2019-07-12 18:58:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 720.49 Mbit/s

95th percentile per-packet one-way delay: 78.377 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 427.15 Mbit/s

95th percentile per-packet one-way delay: 81.998 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 358.17 Mbit/s

95th percentile per-packet one-way delay: 69.417 ms

Loss rate: 0.54%

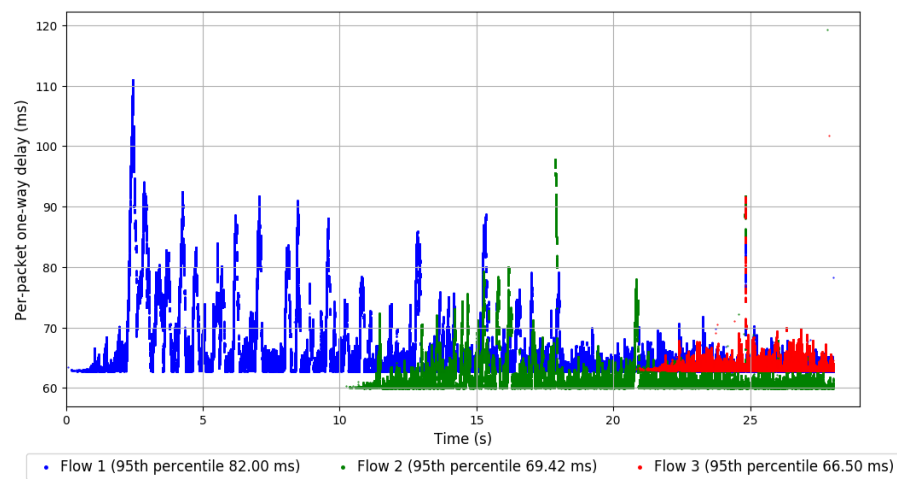
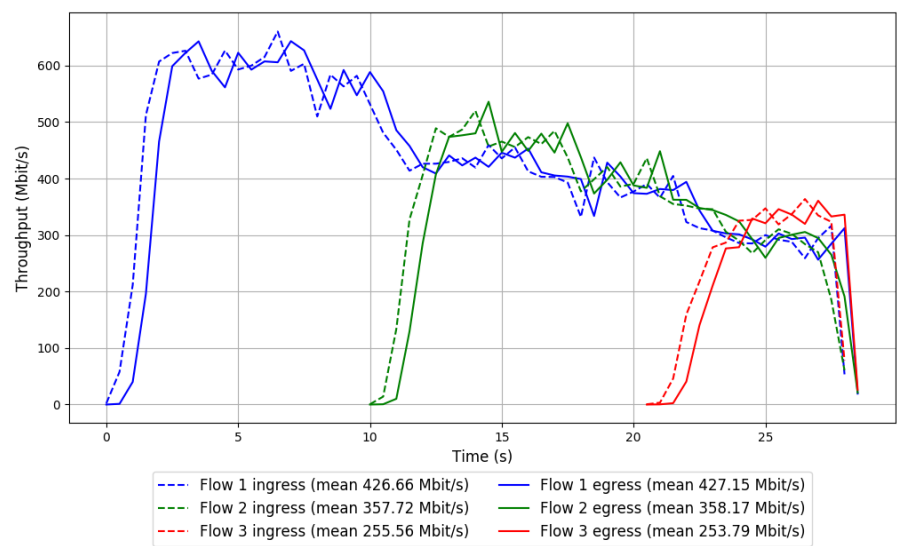
-- Flow 3:

Average throughput: 253.79 Mbit/s

95th percentile per-packet one-way delay: 66.497 ms

Loss rate: 2.40%

Run 4: Report of Indigo-MusesC3 — Data Link

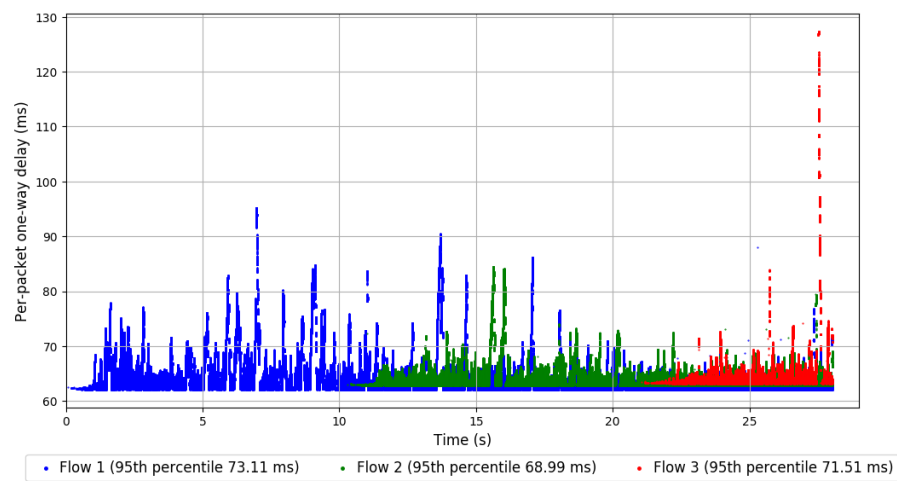
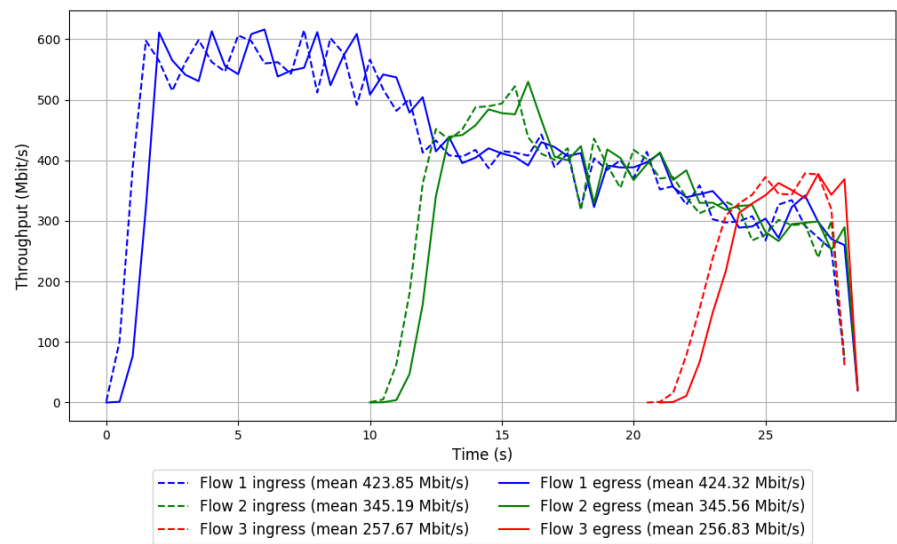


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-07-12 17:02:03
End at: 2019-07-12 17:02:33
Local clock offset: 0.015 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2019-07-12 18:58:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 707.66 Mbit/s
95th percentile per-packet one-way delay: 71.823 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 424.32 Mbit/s
95th percentile per-packet one-way delay: 73.109 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 345.56 Mbit/s
95th percentile per-packet one-way delay: 68.986 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 256.83 Mbit/s
95th percentile per-packet one-way delay: 71.507 ms
Loss rate: 2.09%

Run 5: Report of Indigo-MusesC3 — Data Link

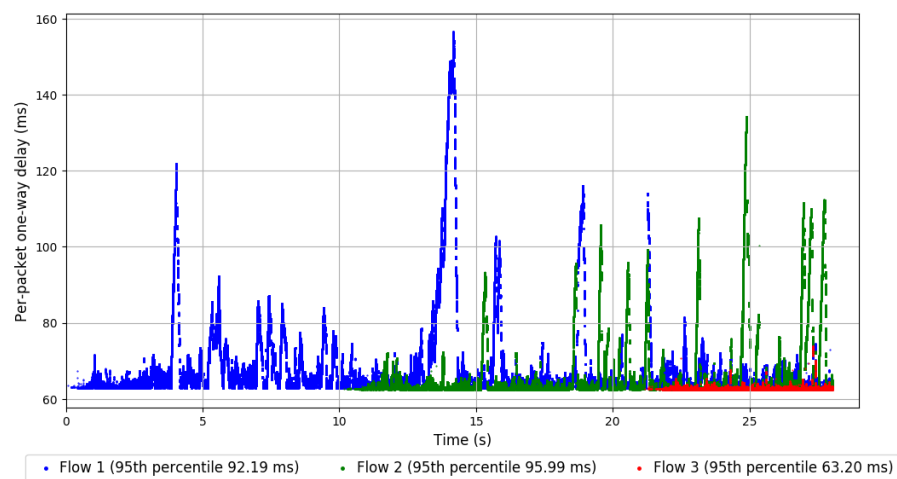
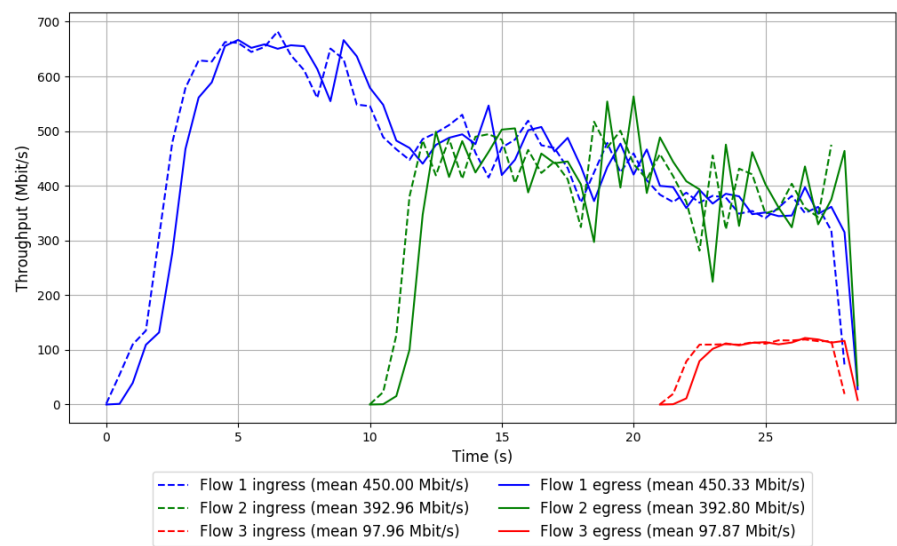


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-07-12 14:08:48
End at: 2019-07-12 14:09:18
Local clock offset: -0.004 ms
Remote clock offset: -0.266 ms

Below is generated by plot.py at 2019-07-12 18:58:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 725.18 Mbit/s
95th percentile per-packet one-way delay: 93.284 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 450.33 Mbit/s
95th percentile per-packet one-way delay: 92.185 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 392.80 Mbit/s
95th percentile per-packet one-way delay: 95.986 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 97.87 Mbit/s
95th percentile per-packet one-way delay: 63.197 ms
Loss rate: 1.83%

Run 1: Report of Indigo-MusesC5 — Data Link

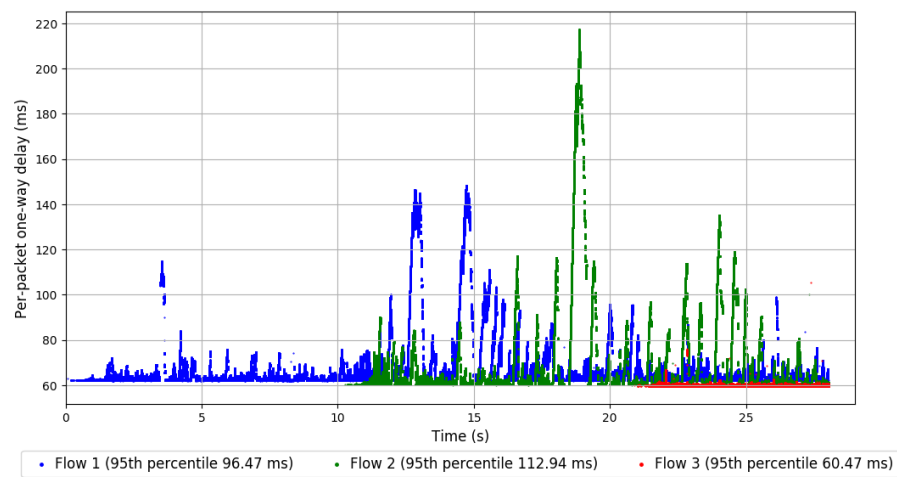
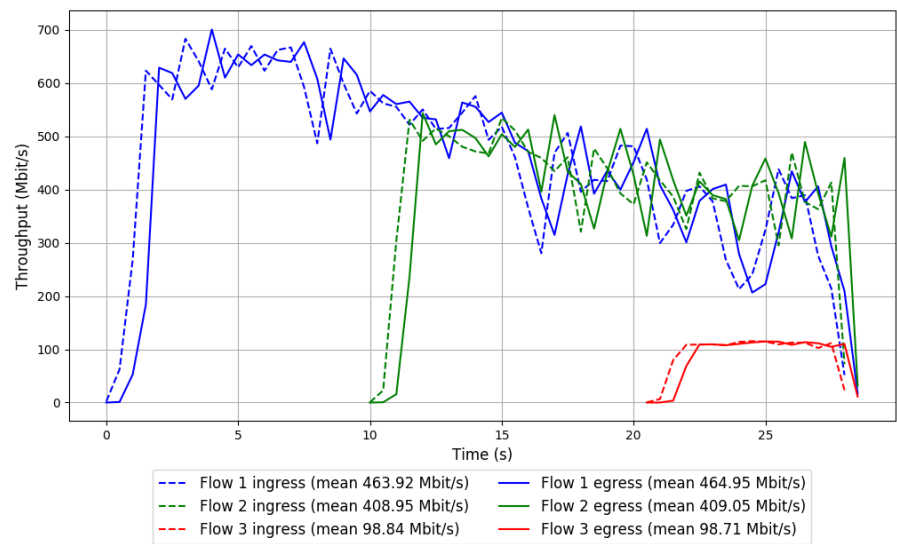


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-07-12 14:49:41
End at: 2019-07-12 14:50:11
Local clock offset: -0.048 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2019-07-12 18:59:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 750.10 Mbit/s
95th percentile per-packet one-way delay: 104.637 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 464.95 Mbit/s
95th percentile per-packet one-way delay: 96.467 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 409.05 Mbit/s
95th percentile per-packet one-way delay: 112.945 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 98.71 Mbit/s
95th percentile per-packet one-way delay: 60.466 ms
Loss rate: 1.82%

Run 2: Report of Indigo-MusesC5 — Data Link

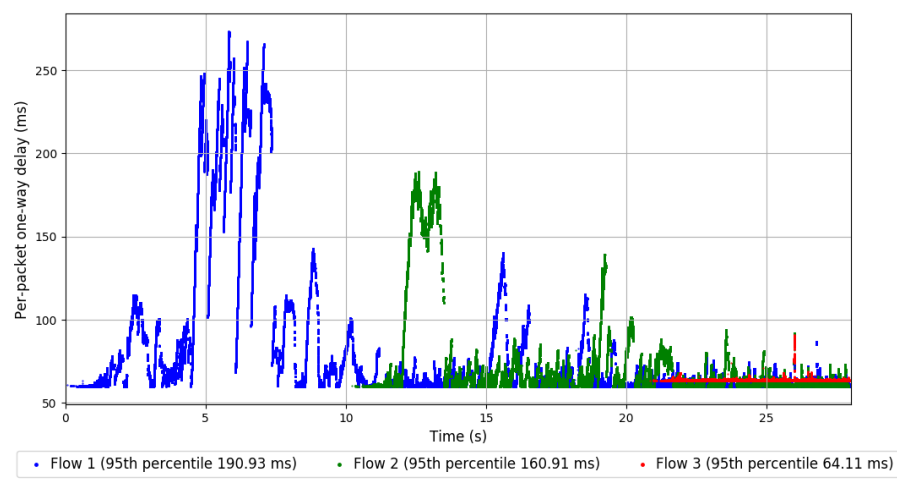
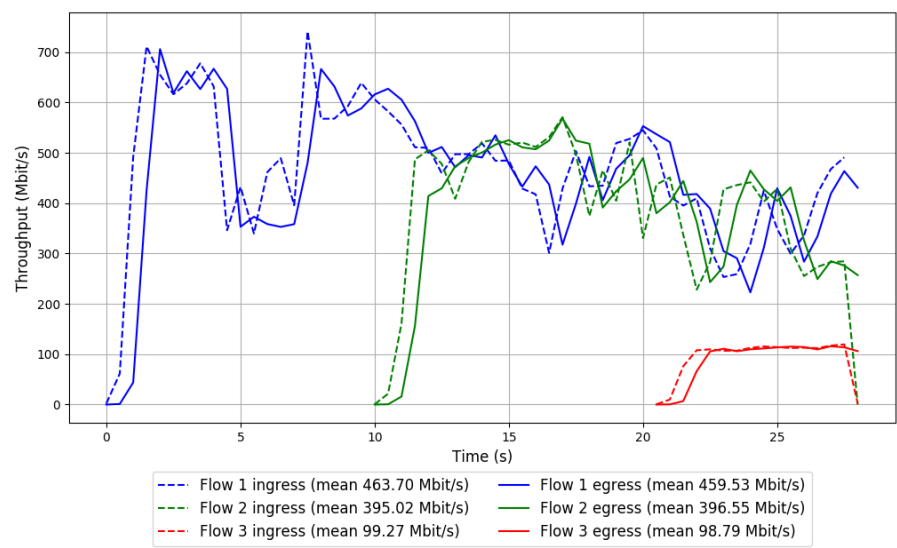


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-07-12 15:31:00
End at: 2019-07-12 15:31:30
Local clock offset: -0.039 ms
Remote clock offset: -0.263 ms

Below is generated by plot.py at 2019-07-12 19:00:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 736.65 Mbit/s
95th percentile per-packet one-way delay: 169.609 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 459.53 Mbit/s
95th percentile per-packet one-way delay: 190.927 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 396.55 Mbit/s
95th percentile per-packet one-way delay: 160.910 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 98.79 Mbit/s
95th percentile per-packet one-way delay: 64.115 ms
Loss rate: 2.17%

Run 3: Report of Indigo-MusesC5 — Data Link

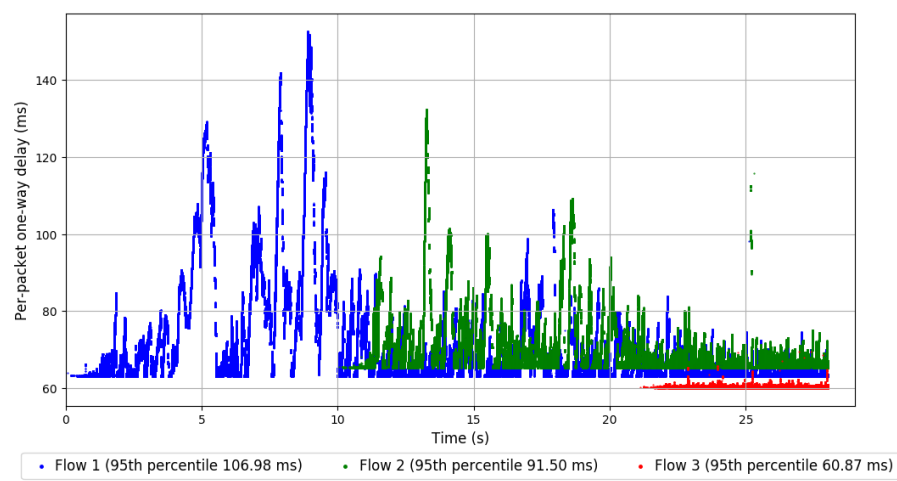
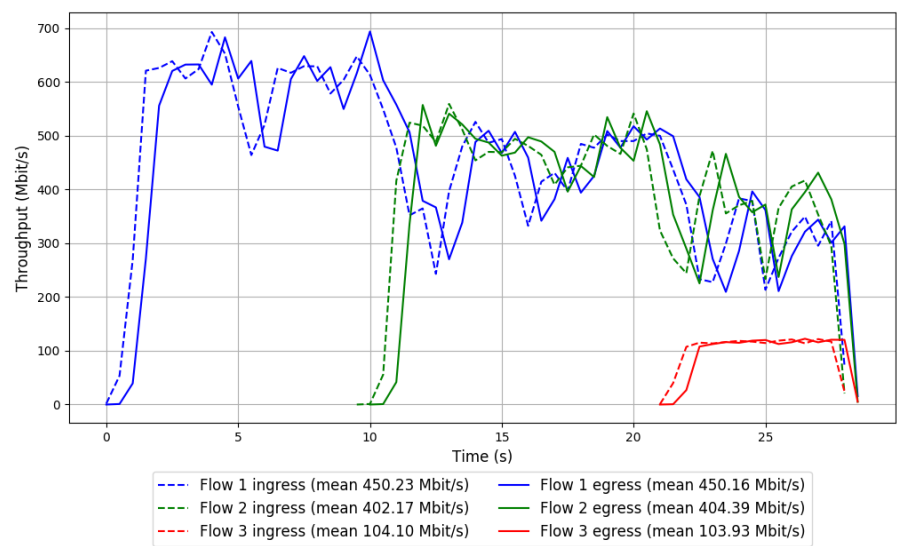


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-07-12 16:12:22
End at: 2019-07-12 16:12:52
Local clock offset: 0.037 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2019-07-12 19:00:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 735.65 Mbit/s
95th percentile per-packet one-way delay: 101.492 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 450.16 Mbit/s
95th percentile per-packet one-way delay: 106.981 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 404.39 Mbit/s
95th percentile per-packet one-way delay: 91.501 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 103.93 Mbit/s
95th percentile per-packet one-way delay: 60.874 ms
Loss rate: 1.99%

Run 4: Report of Indigo-MusesC5 — Data Link

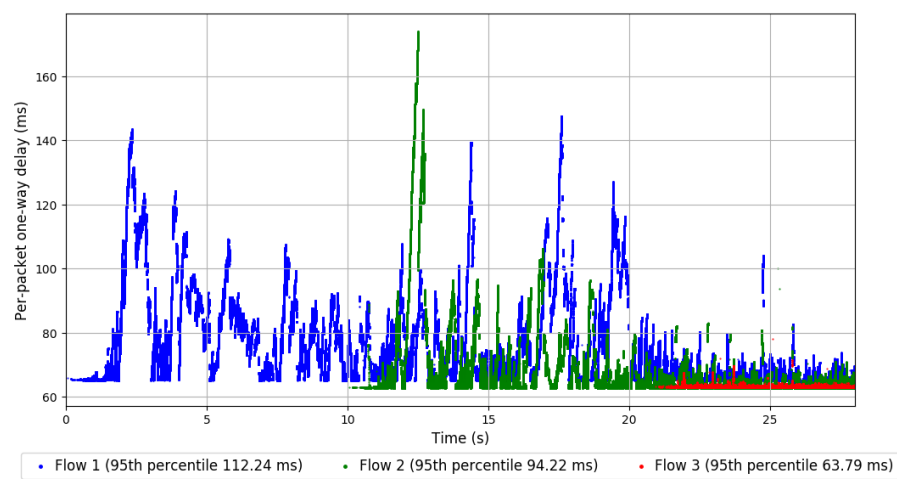
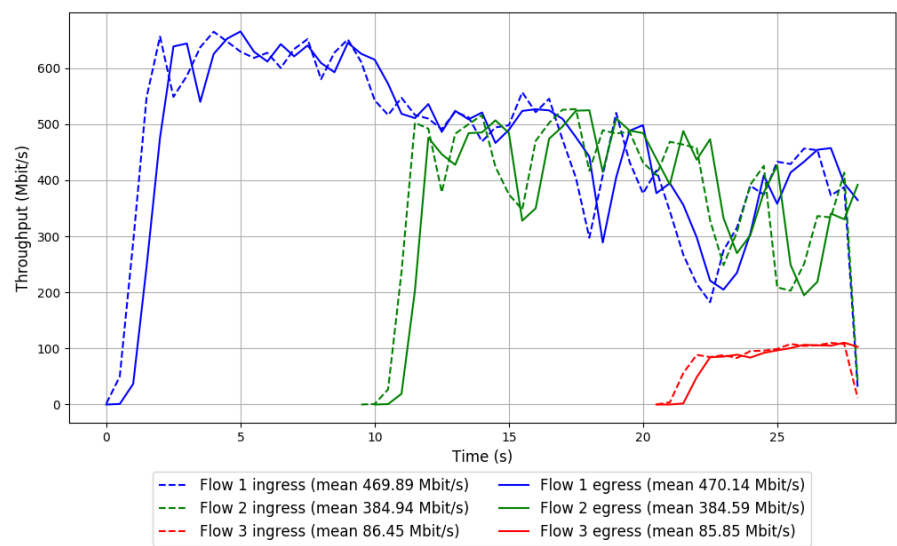


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-07-12 16:53:45
End at: 2019-07-12 16:54:15
Local clock offset: -0.035 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2019-07-12 19:02:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 738.81 Mbit/s
95th percentile per-packet one-way delay: 108.963 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 470.14 Mbit/s
95th percentile per-packet one-way delay: 112.243 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 384.59 Mbit/s
95th percentile per-packet one-way delay: 94.222 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 63.791 ms
Loss rate: 2.42%

Run 5: Report of Indigo-MusesC5 — Data Link

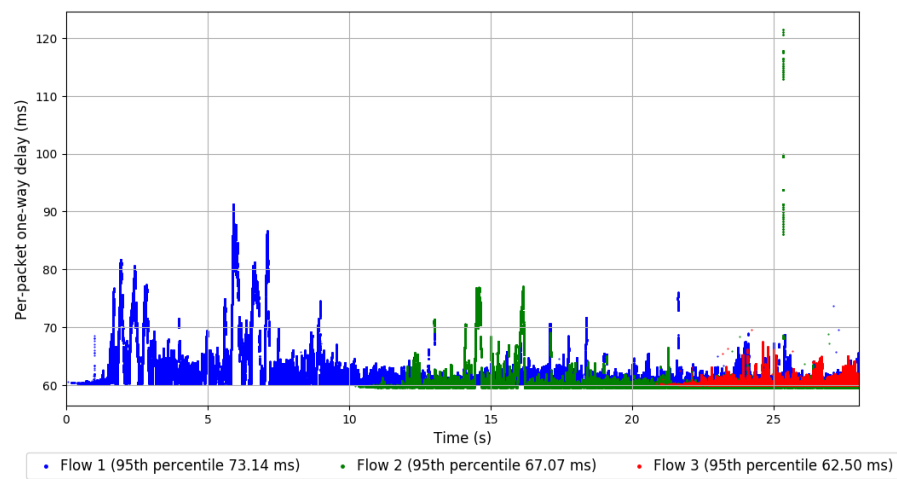
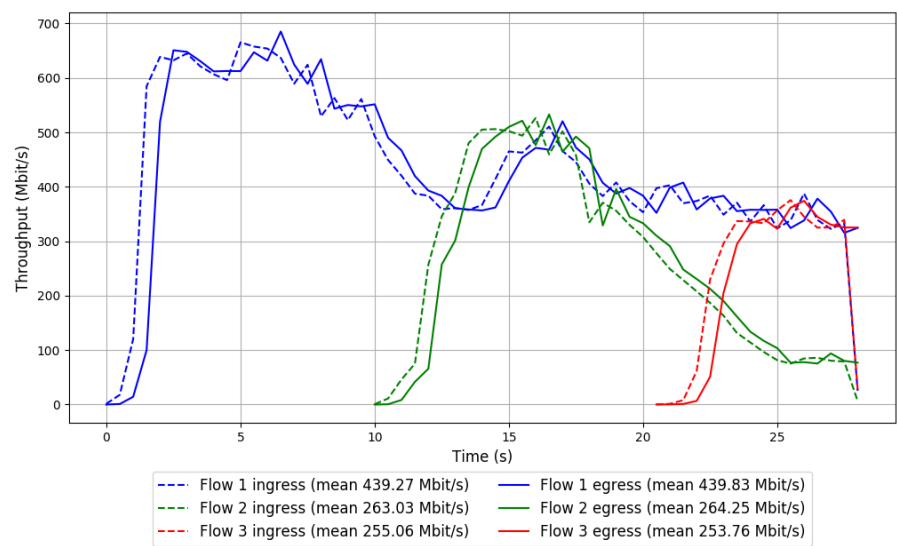


Run 1: Statistics of Indigo-MusesD

Start at: 2019-07-12 14:05:52
End at: 2019-07-12 14:06:22
Local clock offset: -0.007 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-07-12 19:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 672.66 Mbit/s
95th percentile per-packet one-way delay: 70.632 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 439.83 Mbit/s
95th percentile per-packet one-way delay: 73.142 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 264.25 Mbit/s
95th percentile per-packet one-way delay: 67.073 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 253.76 Mbit/s
95th percentile per-packet one-way delay: 62.496 ms
Loss rate: 2.17%

Run 1: Report of Indigo-MusesD — Data Link

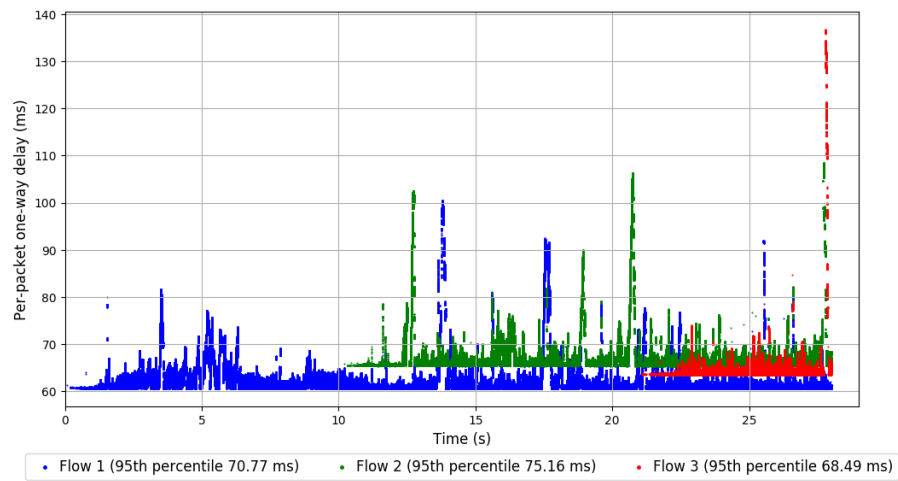
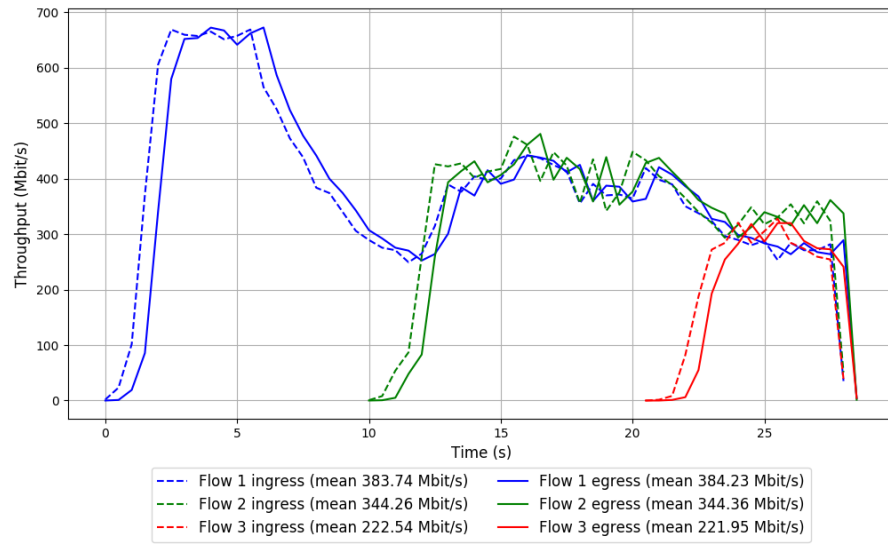


Run 2: Statistics of Indigo-MusesD

Start at: 2019-07-12 14:46:44
End at: 2019-07-12 14:47:14
Local clock offset: -0.042 ms
Remote clock offset: -0.302 ms

Below is generated by plot.py at 2019-07-12 19:10:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 659.37 Mbit/s
95th percentile per-packet one-way delay: 72.411 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 384.23 Mbit/s
95th percentile per-packet one-way delay: 70.765 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 344.36 Mbit/s
95th percentile per-packet one-way delay: 75.164 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 221.95 Mbit/s
95th percentile per-packet one-way delay: 68.488 ms
Loss rate: 2.12%

Run 2: Report of Indigo-MusesD — Data Link

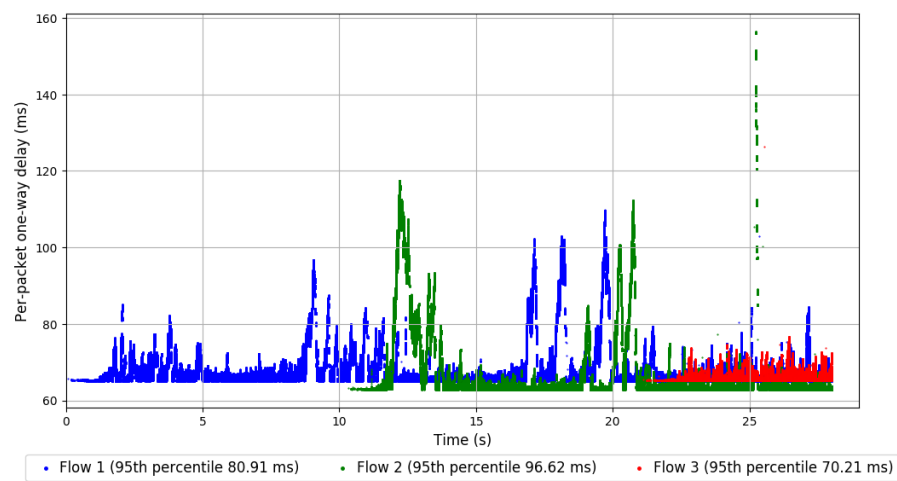
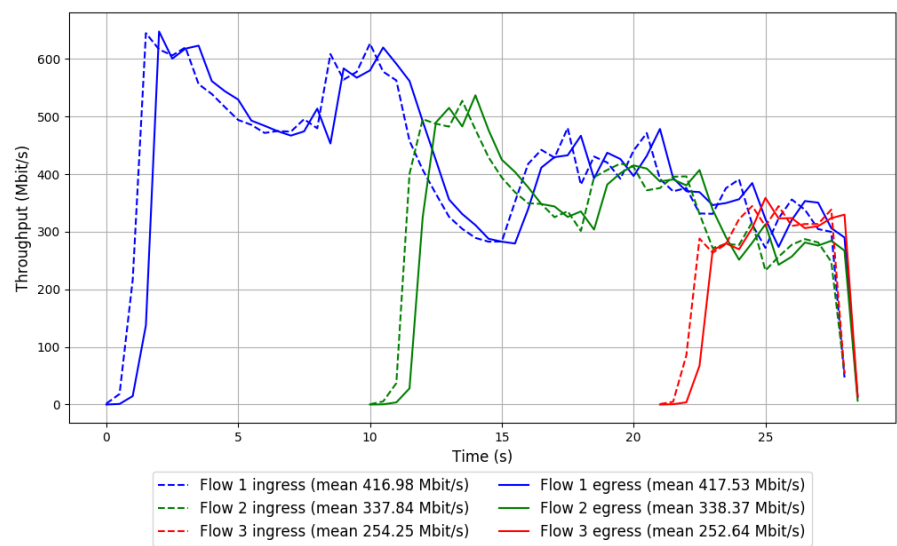


Run 3: Statistics of Indigo-MusesD

Start at: 2019-07-12 15:28:02
End at: 2019-07-12 15:28:32
Local clock offset: -0.028 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2019-07-12 19:10:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 694.18 Mbit/s
95th percentile per-packet one-way delay: 83.771 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 417.53 Mbit/s
95th percentile per-packet one-way delay: 80.905 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 338.37 Mbit/s
95th percentile per-packet one-way delay: 96.617 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 252.64 Mbit/s
95th percentile per-packet one-way delay: 70.208 ms
Loss rate: 2.40%

Run 3: Report of Indigo-MusesD — Data Link

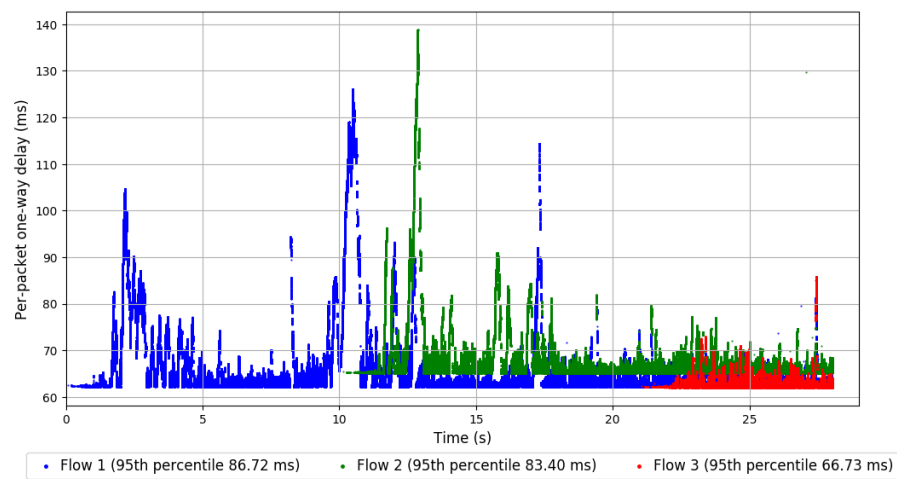
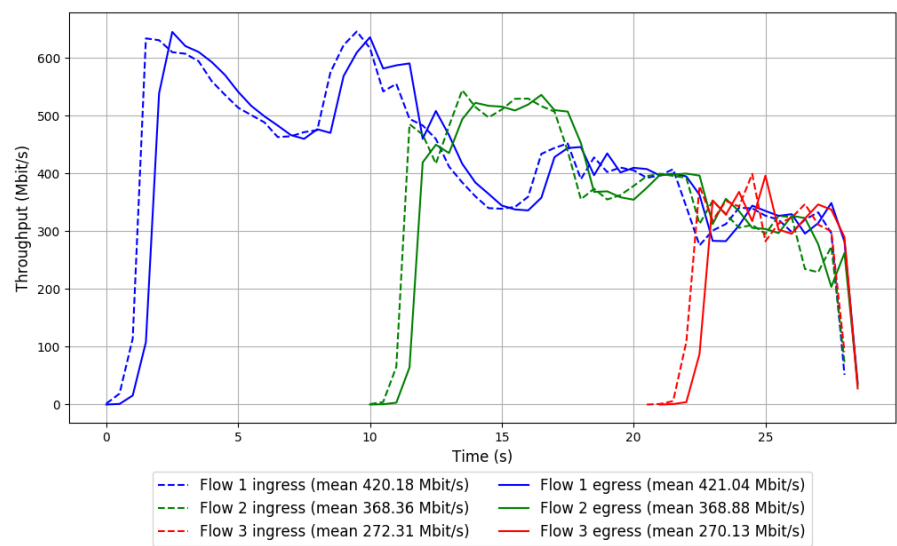


Run 4: Statistics of Indigo-MusesD

Start at: 2019-07-12 16:09:22
End at: 2019-07-12 16:09:52
Local clock offset: 0.054 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2019-07-12 19:11:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 724.38 Mbit/s
95th percentile per-packet one-way delay: 84.425 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 421.04 Mbit/s
95th percentile per-packet one-way delay: 86.720 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 368.88 Mbit/s
95th percentile per-packet one-way delay: 83.404 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 270.13 Mbit/s
95th percentile per-packet one-way delay: 66.732 ms
Loss rate: 2.55%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-07-12 16:50:46

End at: 2019-07-12 16:51:16

Local clock offset: -0.038 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2019-07-12 19:11:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 685.29 Mbit/s

95th percentile per-packet one-way delay: 82.504 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 409.92 Mbit/s

95th percentile per-packet one-way delay: 88.333 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 342.02 Mbit/s

95th percentile per-packet one-way delay: 67.045 ms

Loss rate: 0.73%

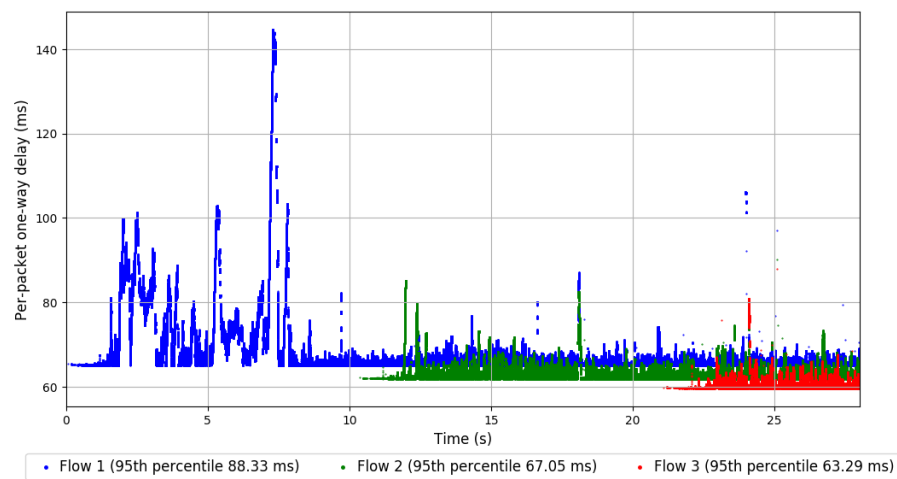
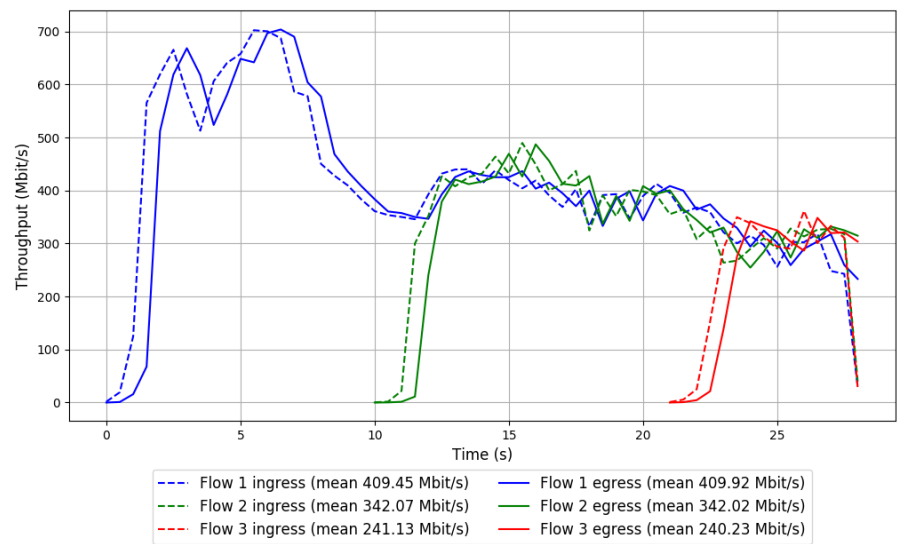
-- Flow 3:

Average throughput: 240.23 Mbit/s

95th percentile per-packet one-way delay: 63.294 ms

Loss rate: 2.14%

Run 5: Report of Indigo-MusesD — Data Link

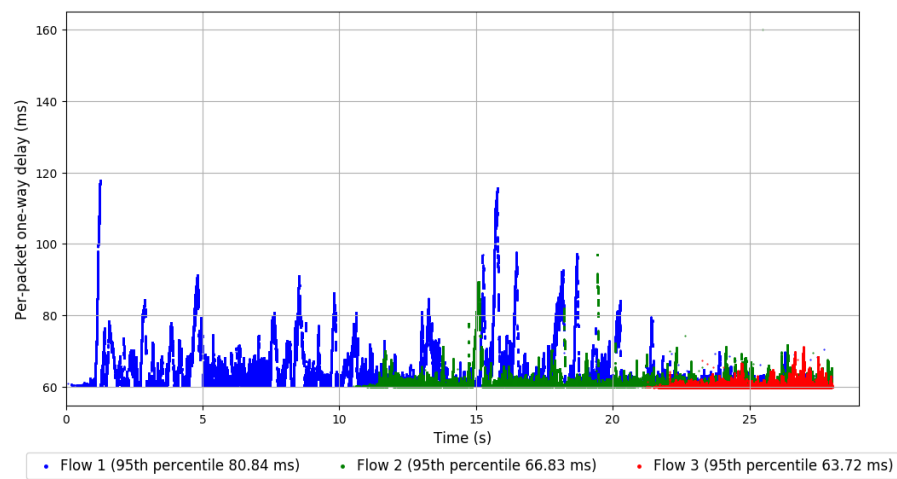
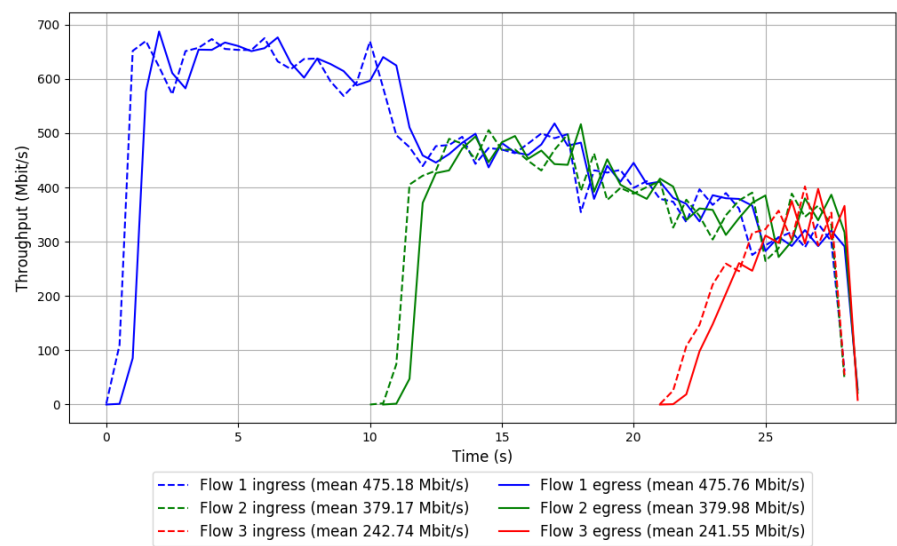


Run 1: Statistics of Indigo-MusesT

Start at: 2019-07-12 14:30:11
End at: 2019-07-12 14:30:41
Local clock offset: 0.006 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2019-07-12 19:14:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 773.39 Mbit/s
95th percentile per-packet one-way delay: 77.420 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 475.76 Mbit/s
95th percentile per-packet one-way delay: 80.839 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 379.98 Mbit/s
95th percentile per-packet one-way delay: 66.830 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 241.55 Mbit/s
95th percentile per-packet one-way delay: 63.718 ms
Loss rate: 2.22%

Run 1: Report of Indigo-MusesT — Data Link

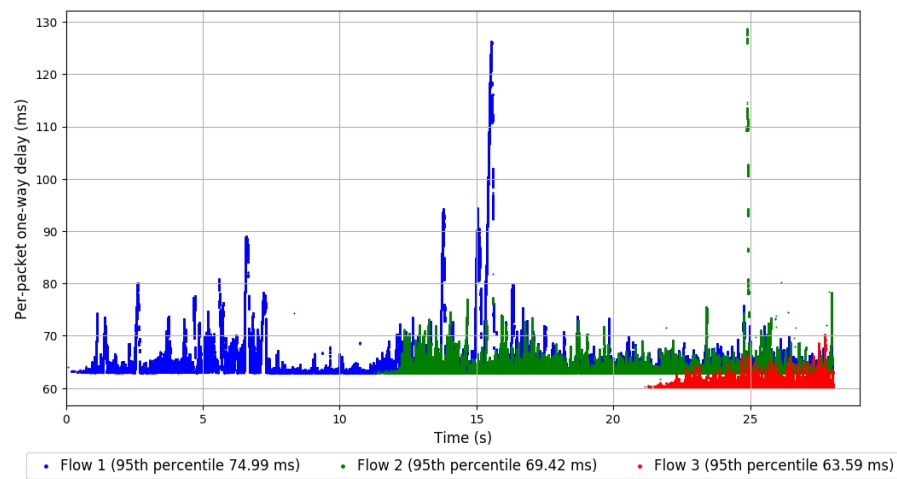
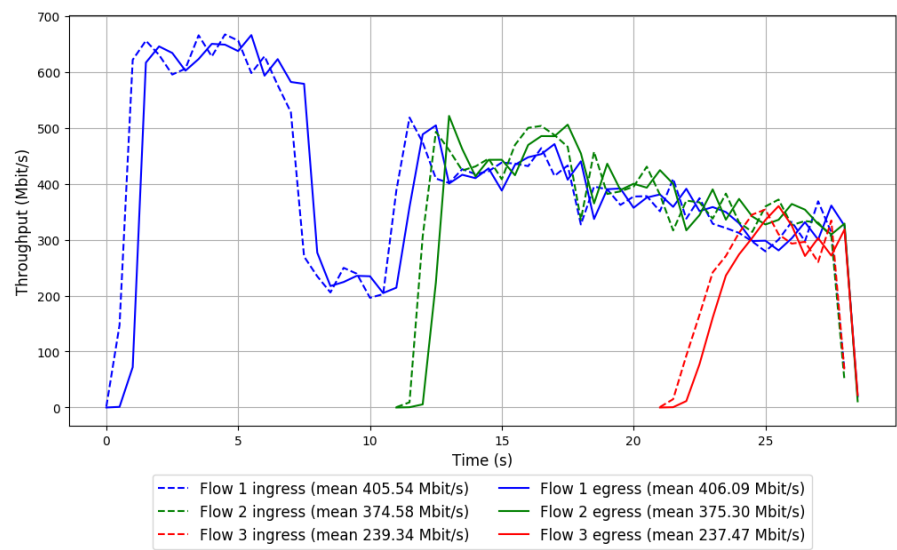


Run 2: Statistics of Indigo-MusesT

Start at: 2019-07-12 15:11:05
End at: 2019-07-12 15:11:35
Local clock offset: 0.008 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2019-07-12 19:14:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 689.56 Mbit/s
95th percentile per-packet one-way delay: 71.756 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 406.09 Mbit/s
95th percentile per-packet one-way delay: 74.989 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 375.30 Mbit/s
95th percentile per-packet one-way delay: 69.417 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 237.47 Mbit/s
95th percentile per-packet one-way delay: 63.587 ms
Loss rate: 2.54%

Run 2: Report of Indigo-MusesT — Data Link

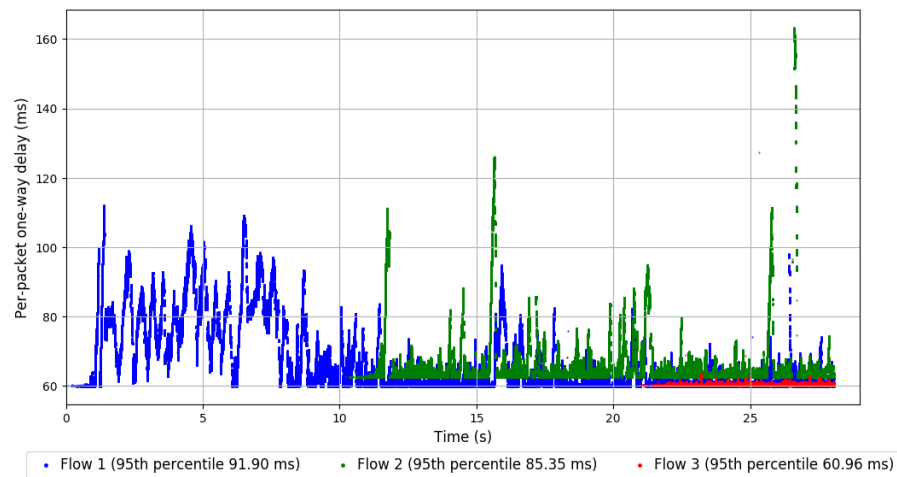
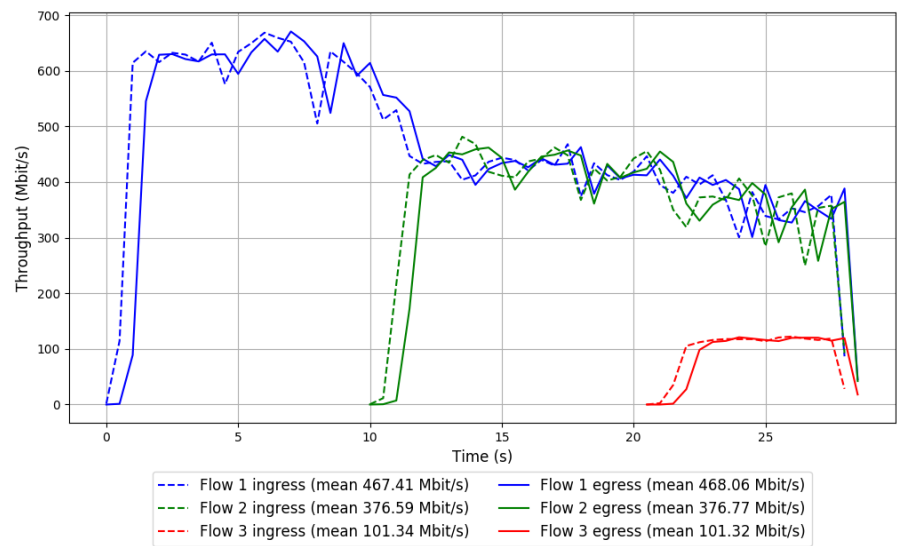


Run 3: Statistics of Indigo-MusesT

Start at: 2019-07-12 15:52:23
End at: 2019-07-12 15:52:53
Local clock offset: 0.025 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2019-07-12 19:16:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 733.39 Mbit/s
95th percentile per-packet one-way delay: 90.736 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 468.06 Mbit/s
95th percentile per-packet one-way delay: 91.904 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 376.77 Mbit/s
95th percentile per-packet one-way delay: 85.352 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 101.32 Mbit/s
95th percentile per-packet one-way delay: 60.963 ms
Loss rate: 1.73%

Run 3: Report of Indigo-MusesT — Data Link

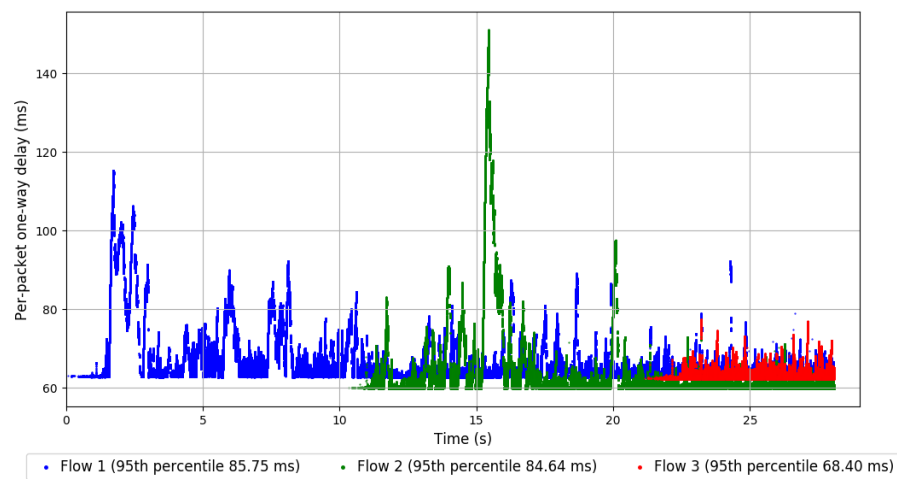
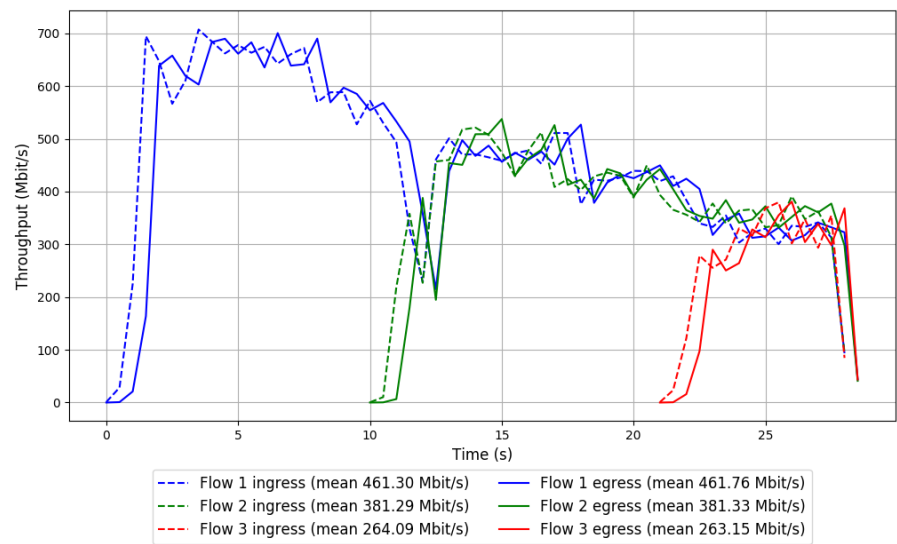


Run 4: Statistics of Indigo-MusesT

Start at: 2019-07-12 16:33:50
End at: 2019-07-12 16:34:20
Local clock offset: -0.031 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2019-07-12 19:23:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 768.44 Mbit/s
95th percentile per-packet one-way delay: 84.566 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 461.76 Mbit/s
95th percentile per-packet one-way delay: 85.750 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 381.33 Mbit/s
95th percentile per-packet one-way delay: 84.638 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 263.15 Mbit/s
95th percentile per-packet one-way delay: 68.396 ms
Loss rate: 2.10%

Run 4: Report of Indigo-MusesT — Data Link

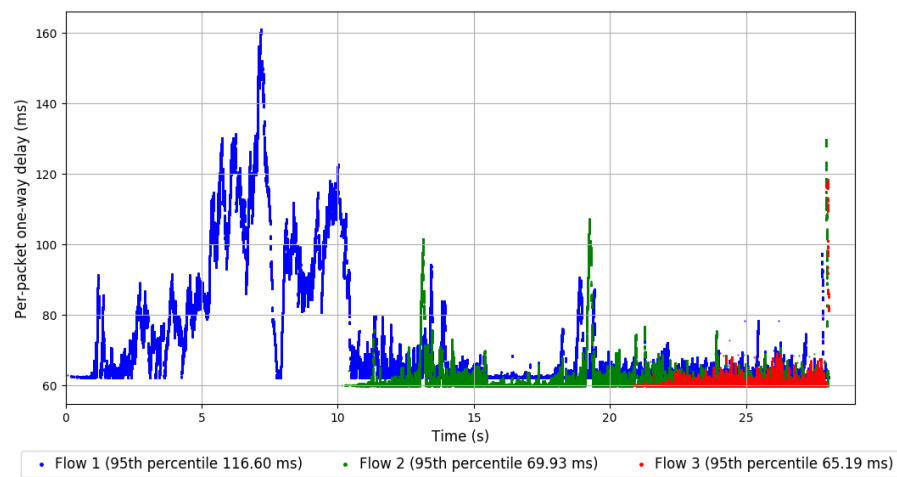
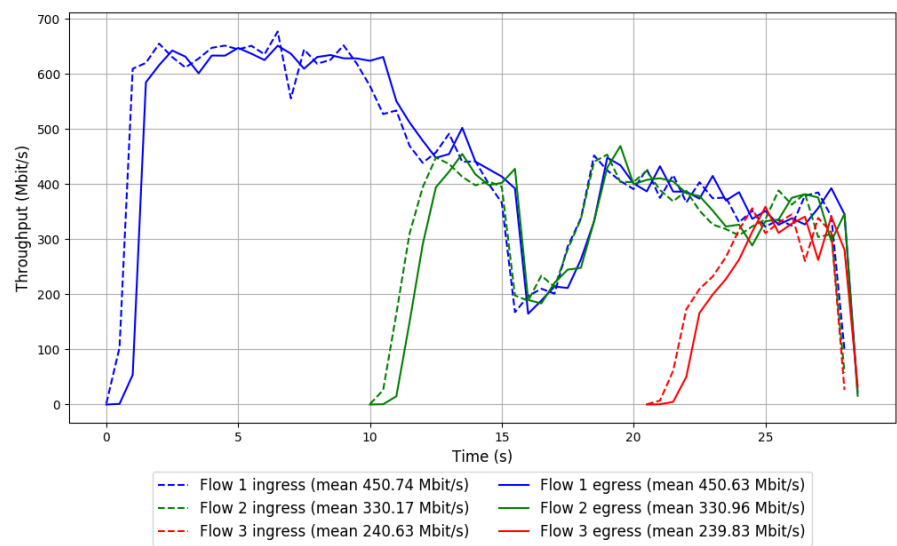


Run 5: Statistics of Indigo-MusesT

Start at: 2019-07-12 17:15:09
End at: 2019-07-12 17:15:39
Local clock offset: -0.018 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2019-07-12 19:23:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 724.47 Mbit/s
95th percentile per-packet one-way delay: 111.860 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 450.63 Mbit/s
95th percentile per-packet one-way delay: 116.596 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 330.96 Mbit/s
95th percentile per-packet one-way delay: 69.928 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 239.83 Mbit/s
95th percentile per-packet one-way delay: 65.195 ms
Loss rate: 1.88%

Run 5: Report of Indigo-MusesT — Data Link

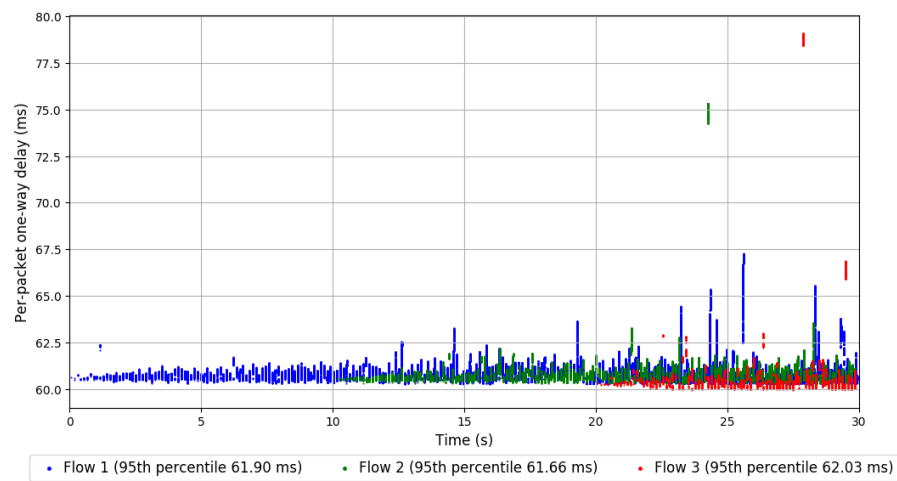
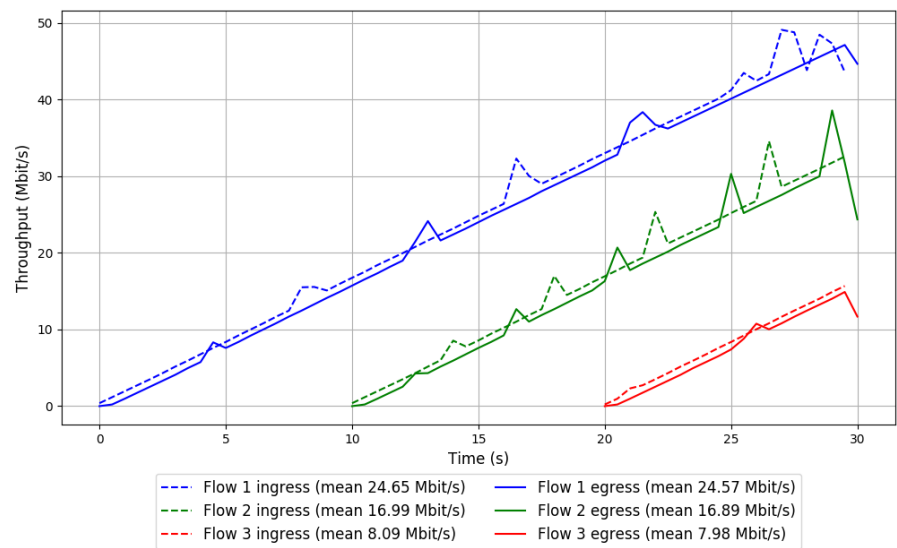


Run 1: Statistics of LEDBAT

Start at: 2019-07-12 14:25:47
End at: 2019-07-12 14:26:17
Local clock offset: -0.01 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2019-07-12 19:23:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 61.817 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 61.895 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 16.89 Mbit/s
95th percentile per-packet one-way delay: 61.663 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 62.031 ms
Loss rate: 2.50%

Run 1: Report of LEDBAT — Data Link

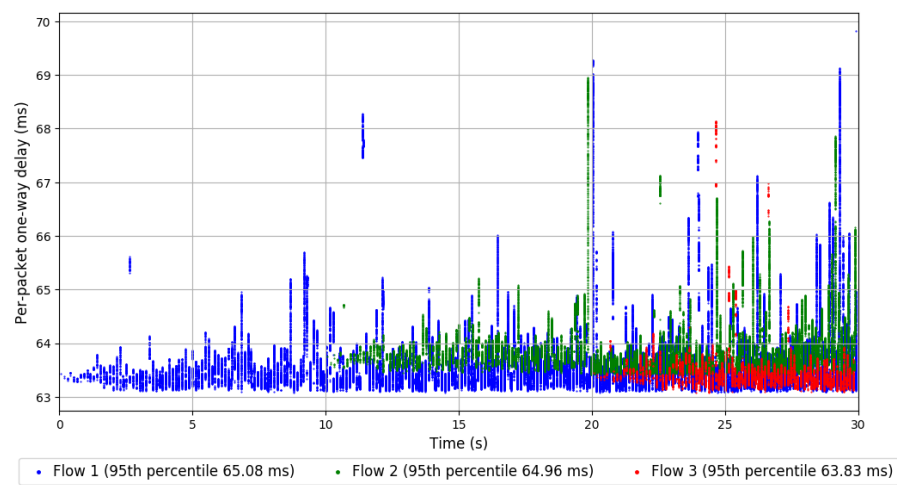
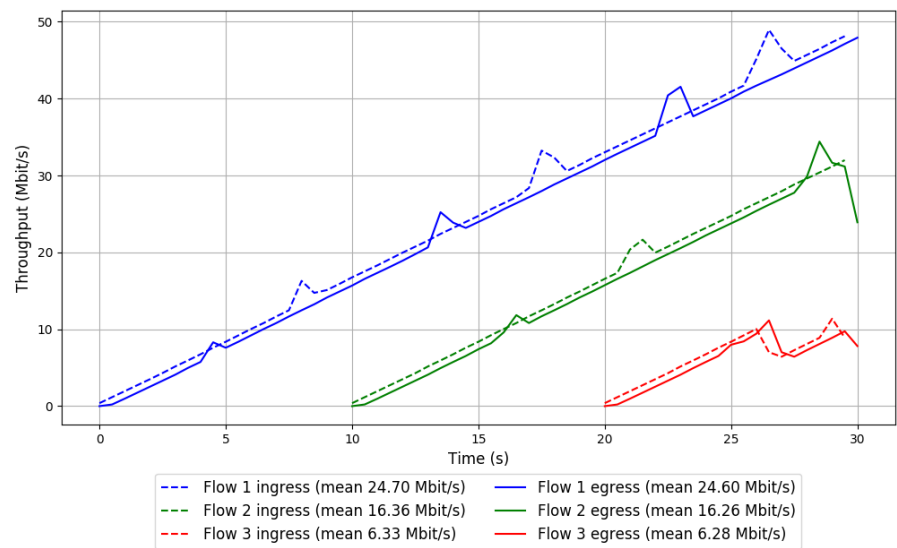


Run 2: Statistics of LEDBAT

Start at: 2019-07-12 15:06:39
End at: 2019-07-12 15:07:09
Local clock offset: -0.028 ms
Remote clock offset: -0.835 ms

Below is generated by plot.py at 2019-07-12 19:23:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.44 Mbit/s
95th percentile per-packet one-way delay: 65.012 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 65.085 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 16.26 Mbit/s
95th percentile per-packet one-way delay: 64.964 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 6.28 Mbit/s
95th percentile per-packet one-way delay: 63.831 ms
Loss rate: 2.16%

Run 2: Report of LEDBAT — Data Link

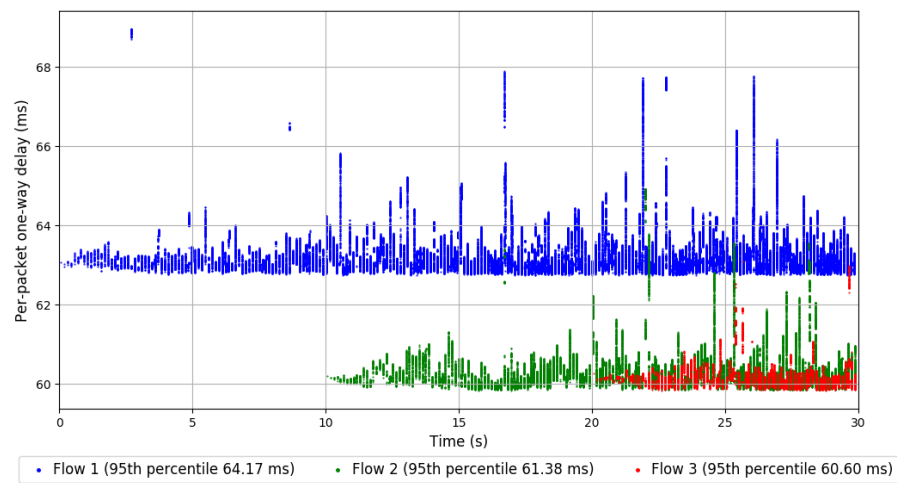
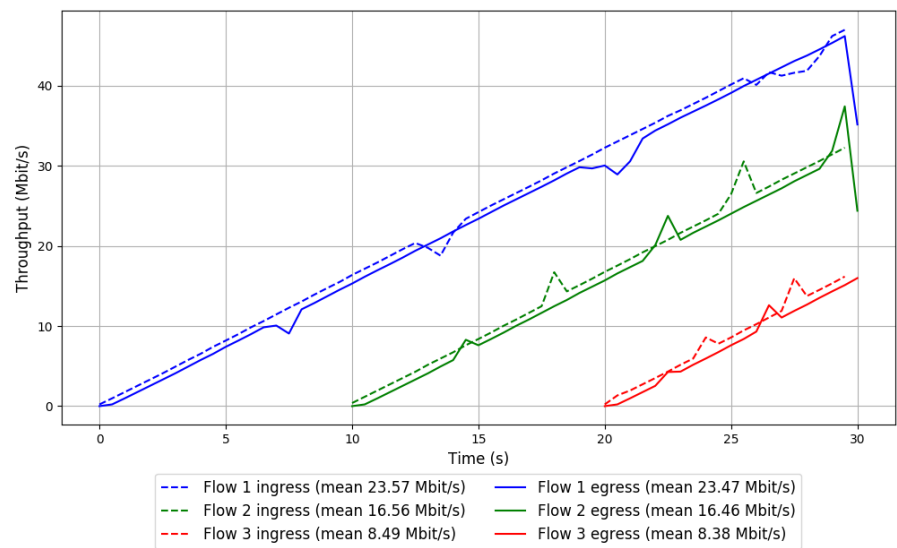


Run 3: Statistics of LEDBAT

Start at: 2019-07-12 15:47:57
End at: 2019-07-12 15:48:27
Local clock offset: 0.04 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2019-07-12 19:23:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 63.914 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 23.47 Mbit/s
95th percentile per-packet one-way delay: 64.170 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 16.46 Mbit/s
95th percentile per-packet one-way delay: 61.375 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 8.38 Mbit/s
95th percentile per-packet one-way delay: 60.599 ms
Loss rate: 2.44%

Run 3: Report of LEDBAT — Data Link

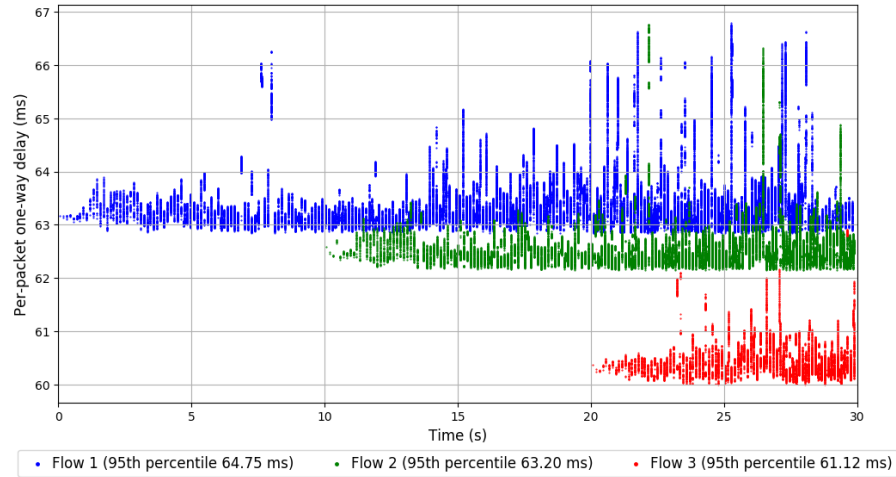
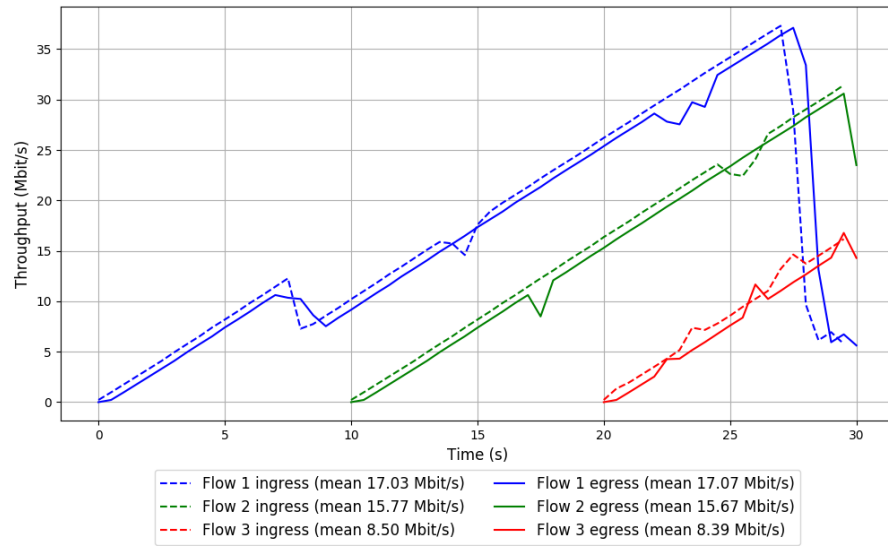


Run 4: Statistics of LEDBAT

Start at: 2019-07-12 16:29:25
End at: 2019-07-12 16:29:55
Local clock offset: -0.052 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-07-12 19:23:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.19 Mbit/s
95th percentile per-packet one-way delay: 64.265 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 17.07 Mbit/s
95th percentile per-packet one-way delay: 64.746 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 63.203 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 8.39 Mbit/s
95th percentile per-packet one-way delay: 61.116 ms
Loss rate: 2.44%

Run 4: Report of LEDBAT — Data Link

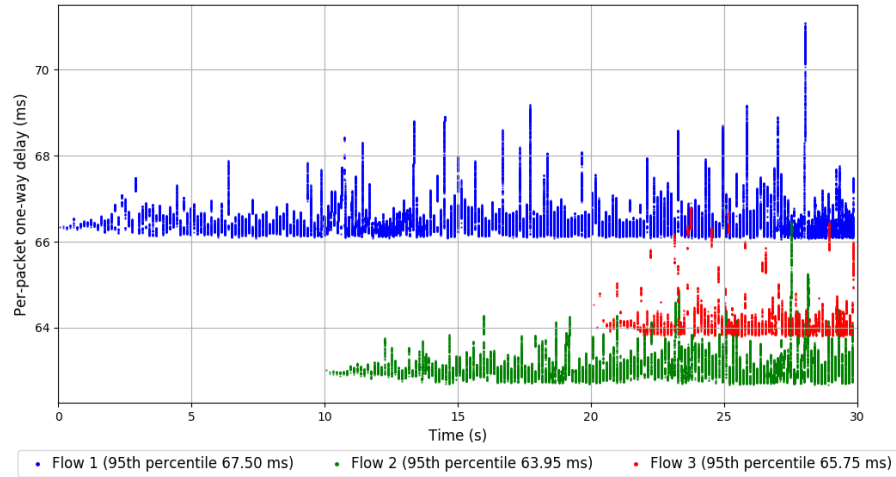
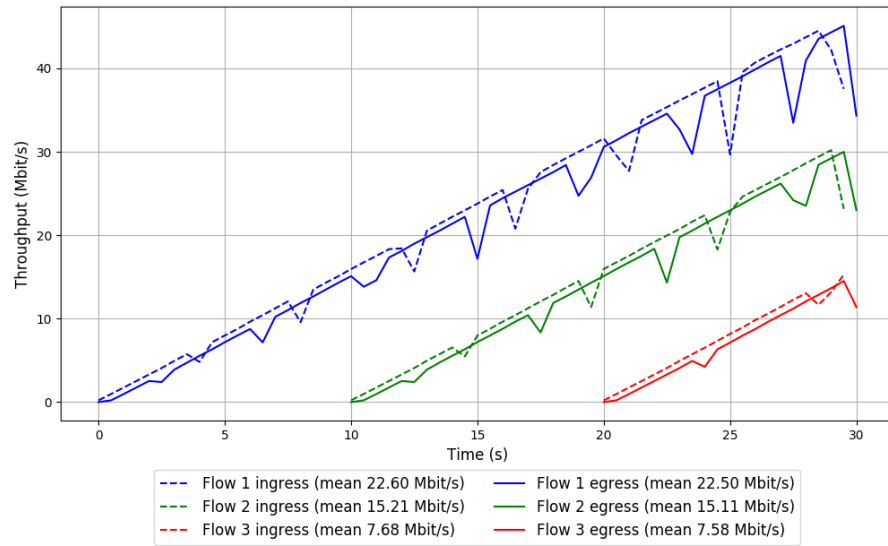


Run 5: Statistics of LEDBAT

Start at: 2019-07-12 17:10:42
End at: 2019-07-12 17:11:12
Local clock offset: -0.007 ms
Remote clock offset: -0.822 ms

Below is generated by plot.py at 2019-07-12 19:23:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: 67.233 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 22.50 Mbit/s
95th percentile per-packet one-way delay: 67.497 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 63.952 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 65.750 ms
Loss rate: 2.56%

Run 5: Report of LEDBAT — Data Link

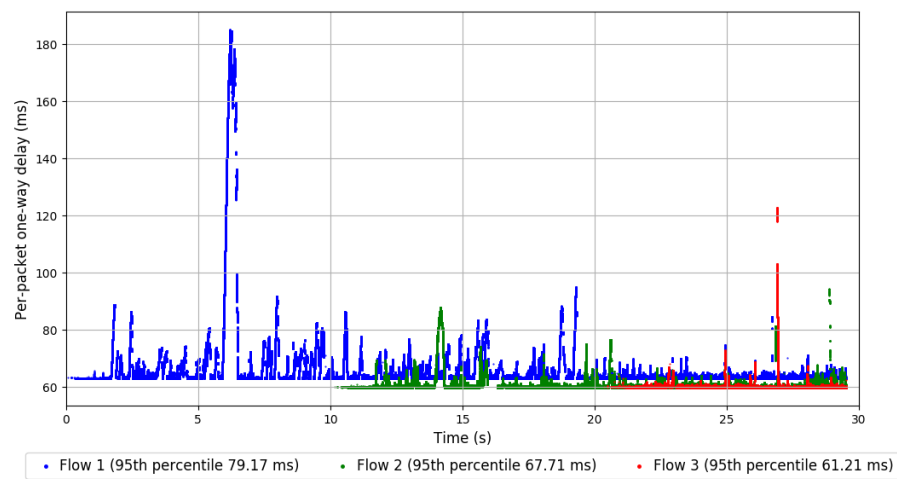
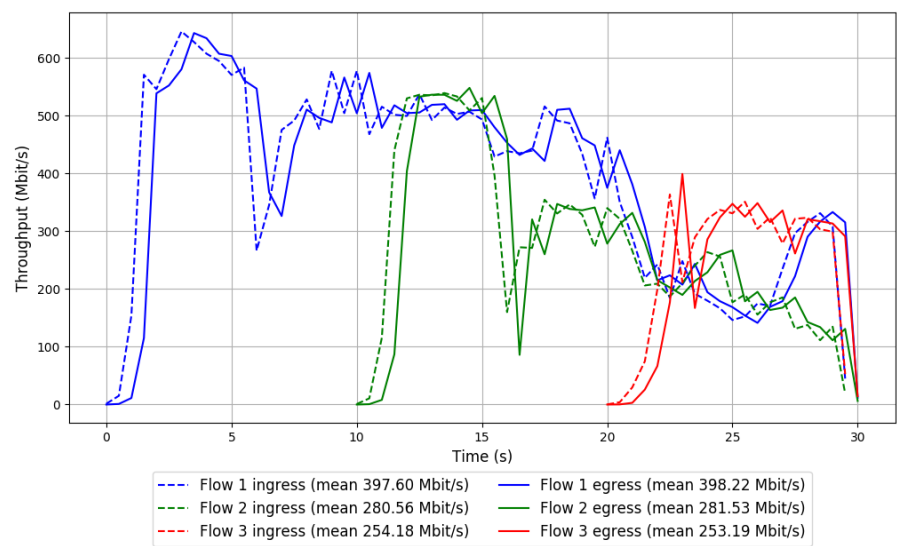


Run 1: Statistics of Muses_DecisionTree

Start at: 2019-07-12 13:54:42
End at: 2019-07-12 13:55:12
Local clock offset: -0.017 ms
Remote clock offset: -0.276 ms

Below is generated by plot.py at 2019-07-12 19:25:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 661.96 Mbit/s
95th percentile per-packet one-way delay: 75.617 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 398.22 Mbit/s
95th percentile per-packet one-way delay: 79.167 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 281.53 Mbit/s
95th percentile per-packet one-way delay: 67.713 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 253.19 Mbit/s
95th percentile per-packet one-way delay: 61.214 ms
Loss rate: 1.70%

Run 1: Report of Muses_DecisionTree — Data Link

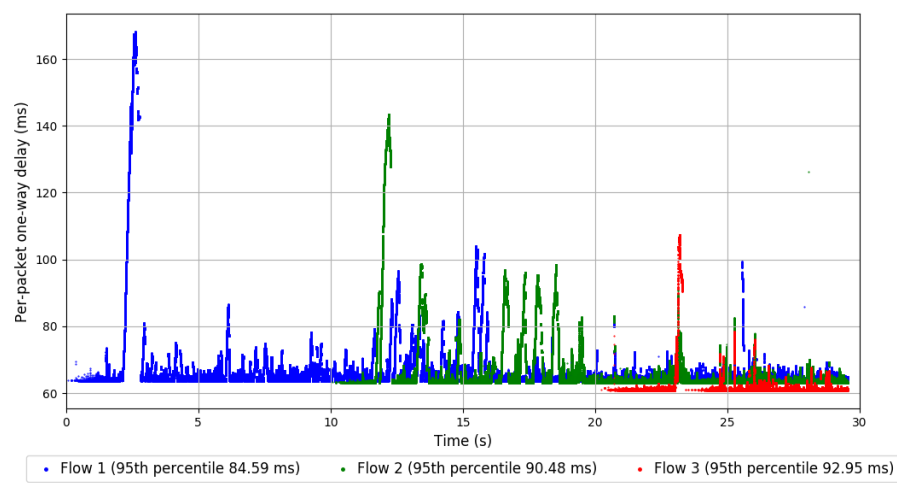
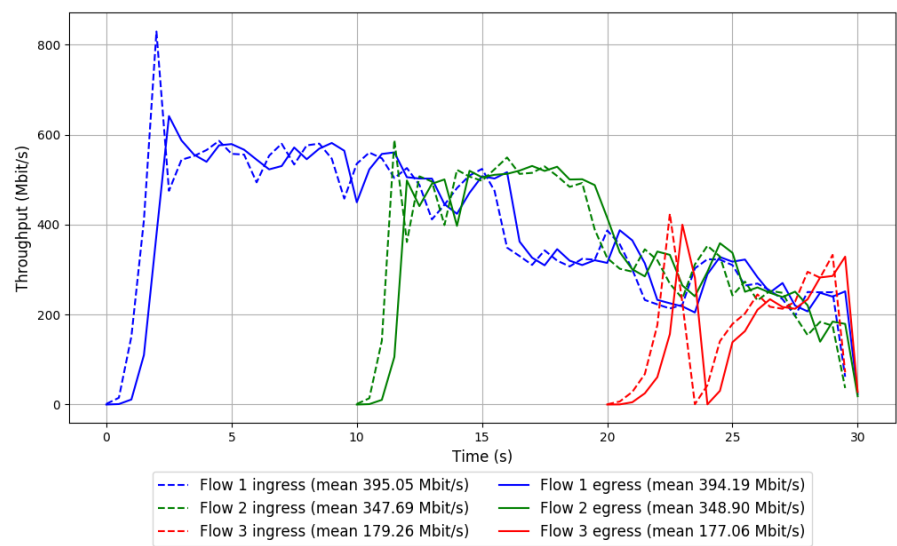


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-07-12 14:35:38
End at: 2019-07-12 14:36:09
Local clock offset: -0.043 ms
Remote clock offset: -0.717 ms

Below is generated by plot.py at 2019-07-12 19:25:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 680.32 Mbit/s
95th percentile per-packet one-way delay: 88.856 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 394.19 Mbit/s
95th percentile per-packet one-way delay: 84.593 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 348.90 Mbit/s
95th percentile per-packet one-way delay: 90.478 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 177.06 Mbit/s
95th percentile per-packet one-way delay: 92.948 ms
Loss rate: 2.49%

Run 2: Report of Muses_DecisionTree — Data Link

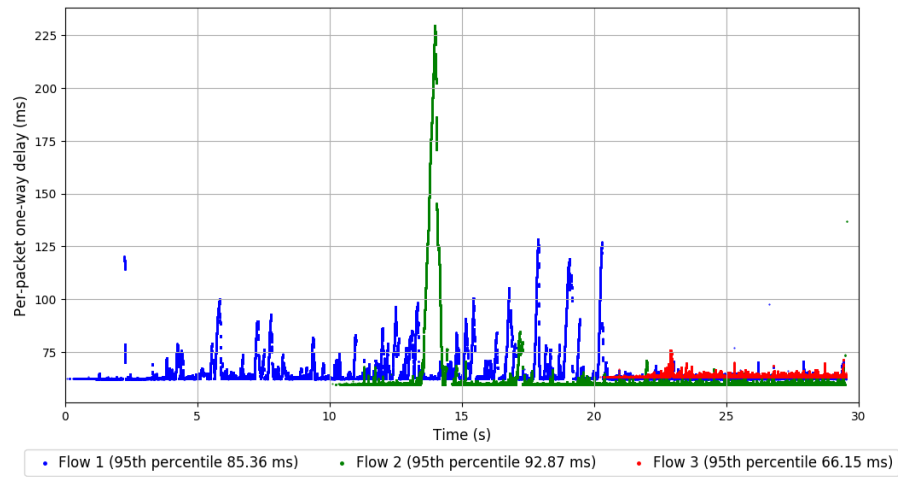
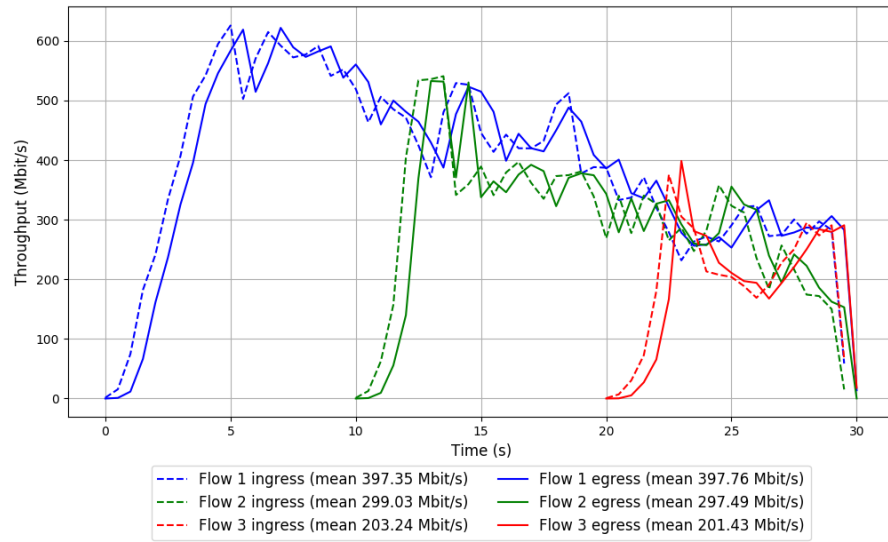


Run 3: Statistics of Muses_DecisionTree

Start at: 2019-07-12 15:16:39
End at: 2019-07-12 15:17:09
Local clock offset: -0.02 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2019-07-12 19:25:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 657.02 Mbit/s
95th percentile per-packet one-way delay: 83.360 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 397.76 Mbit/s
95th percentile per-packet one-way delay: 85.360 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 297.49 Mbit/s
95th percentile per-packet one-way delay: 92.867 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 201.43 Mbit/s
95th percentile per-packet one-way delay: 66.148 ms
Loss rate: 2.16%

Run 3: Report of Muses_DecisionTree — Data Link

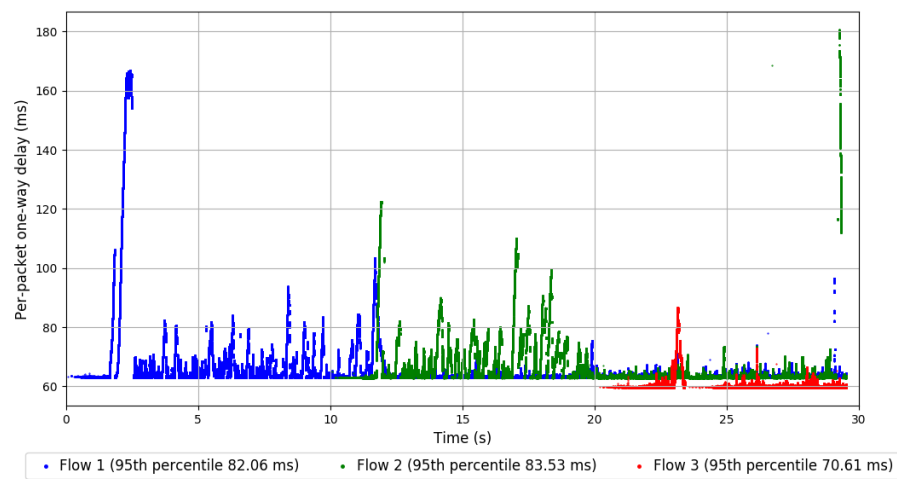
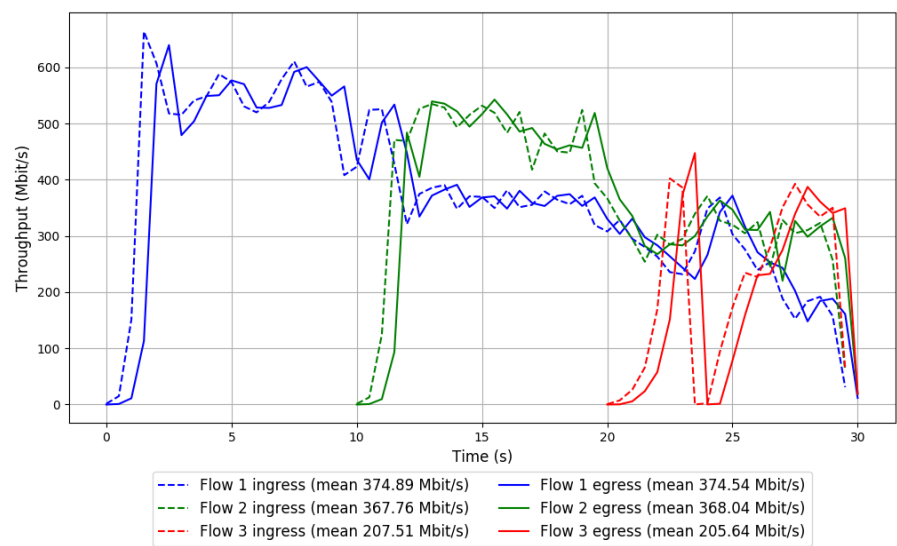


Run 4: Statistics of Muses_DecisionTree

Start at: 2019-07-12 15:57:59
End at: 2019-07-12 15:58:29
Local clock offset: 0.05 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2019-07-12 19:26:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 682.48 Mbit/s
95th percentile per-packet one-way delay: 81.496 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 374.54 Mbit/s
95th percentile per-packet one-way delay: 82.057 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 368.04 Mbit/s
95th percentile per-packet one-way delay: 83.526 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 205.64 Mbit/s
95th percentile per-packet one-way delay: 70.613 ms
Loss rate: 2.19%

Run 4: Report of Muses_DecisionTree — Data Link

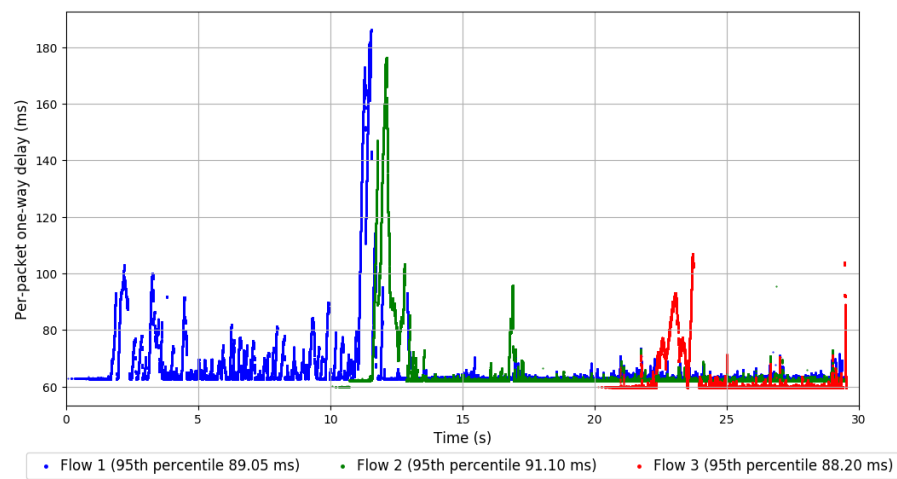
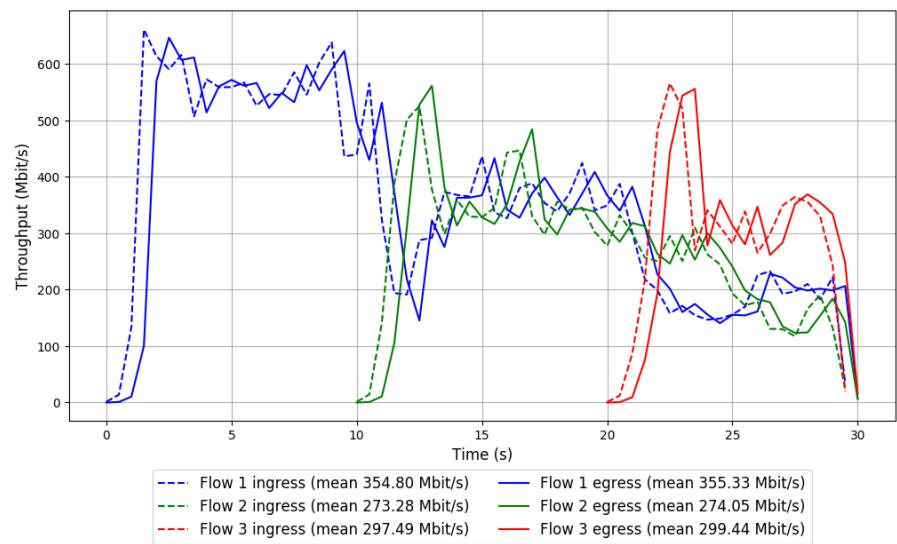


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-07-12 16:39:28
End at: 2019-07-12 16:39:58
Local clock offset: -0.054 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2019-07-12 19:26:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 631.65 Mbit/s
95th percentile per-packet one-way delay: 89.644 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 355.33 Mbit/s
95th percentile per-packet one-way delay: 89.054 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 274.05 Mbit/s
95th percentile per-packet one-way delay: 91.100 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 299.44 Mbit/s
95th percentile per-packet one-way delay: 88.196 ms
Loss rate: 0.64%

Run 5: Report of Muses_DecisionTree — Data Link

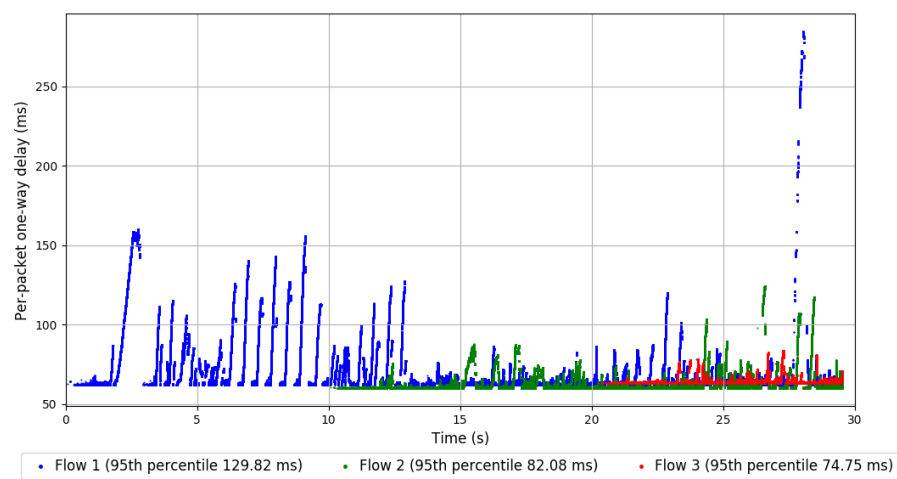
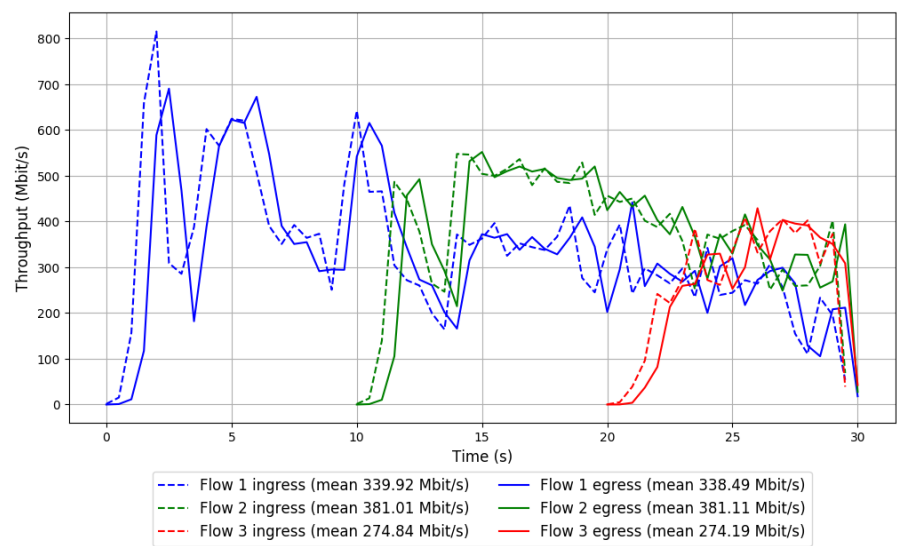


Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-12 14:18:58
End at: 2019-07-12 14:19:28
Local clock offset: 0.019 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2019-07-12 19:29:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 676.00 Mbit/s
95th percentile per-packet one-way delay: 113.389 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 338.49 Mbit/s
95th percentile per-packet one-way delay: 129.816 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 381.11 Mbit/s
95th percentile per-packet one-way delay: 82.075 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 274.19 Mbit/s
95th percentile per-packet one-way delay: 74.749 ms
Loss rate: 1.55%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-12 14:59:53

End at: 2019-07-12 15:00:23

Local clock offset: -0.063 ms

Remote clock offset: 0.597 ms

Below is generated by plot.py at 2019-07-12 19:34:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 624.62 Mbit/s

95th percentile per-packet one-way delay: 122.944 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 324.57 Mbit/s

95th percentile per-packet one-way delay: 135.012 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 329.65 Mbit/s

95th percentile per-packet one-way delay: 84.790 ms

Loss rate: 0.83%

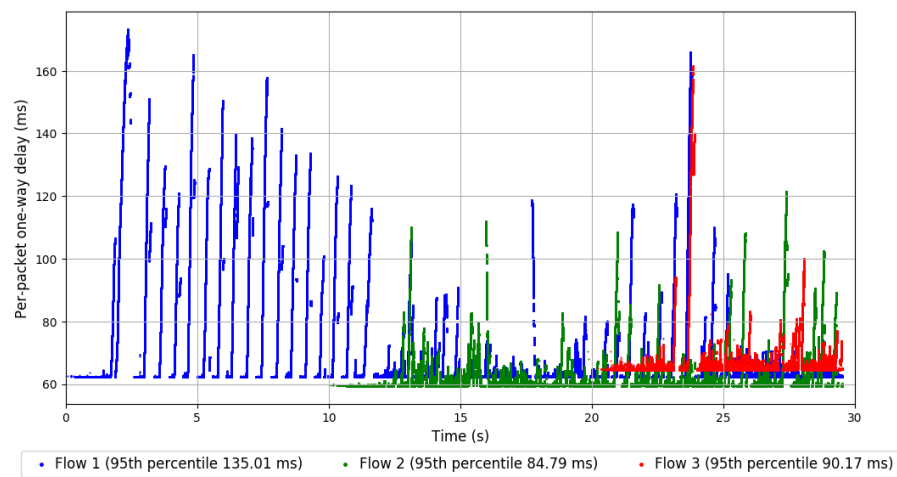
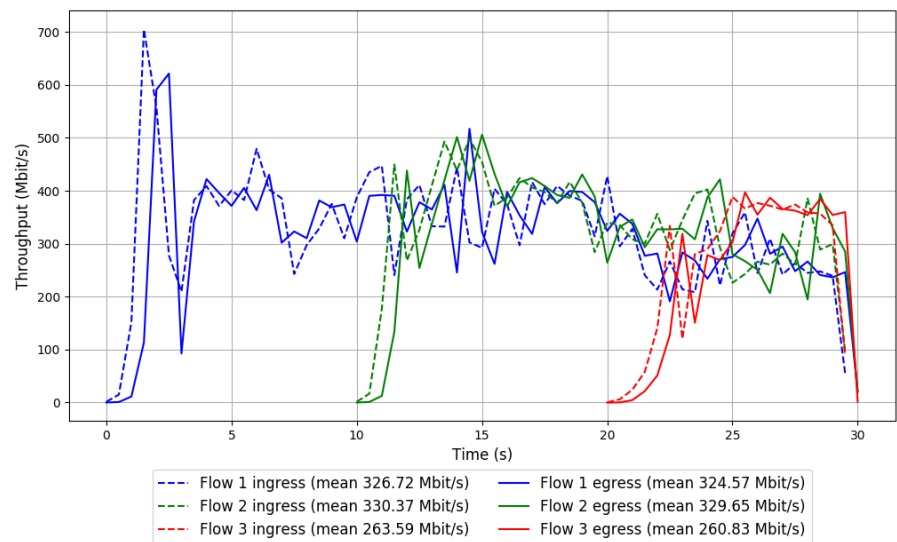
-- Flow 3:

Average throughput: 260.83 Mbit/s

95th percentile per-packet one-way delay: 90.175 ms

Loss rate: 2.27%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

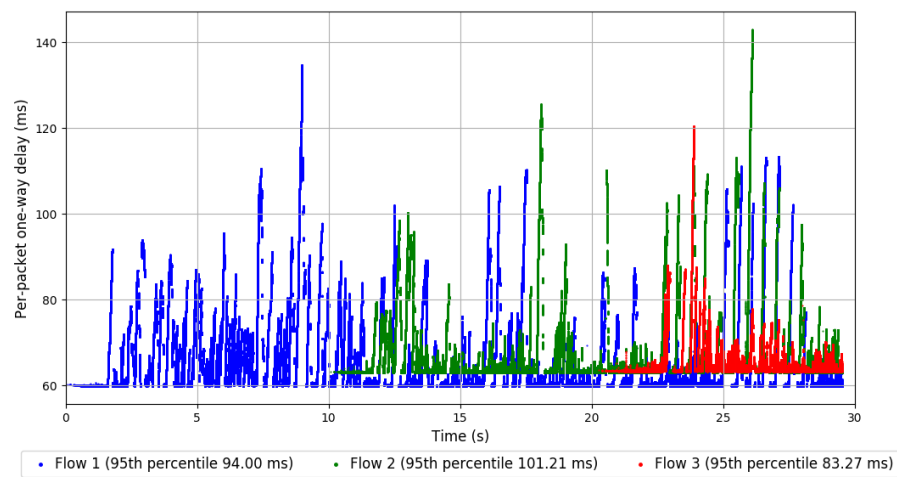
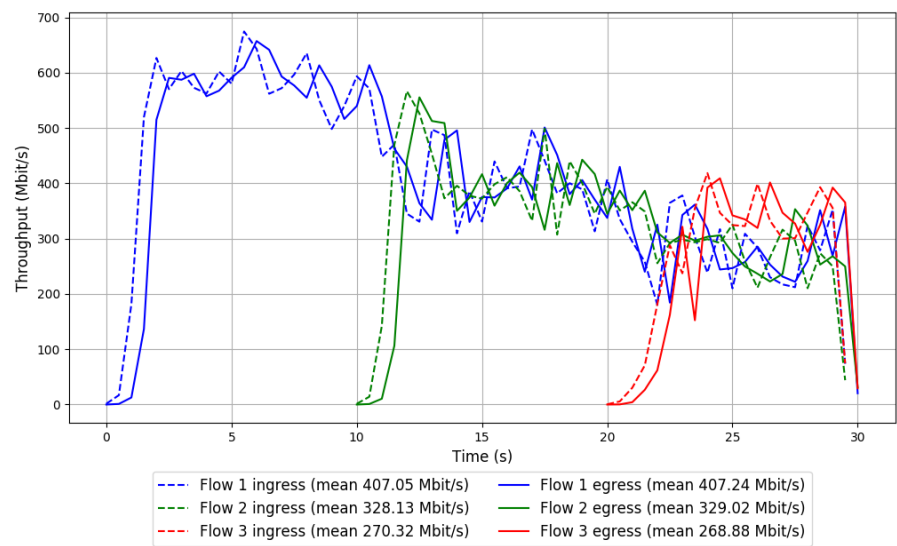


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-12 15:41:08
End at: 2019-07-12 15:41:38
Local clock offset: 0.016 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2019-07-12 19:36:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 709.09 Mbit/s
95th percentile per-packet one-way delay: 96.224 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 407.24 Mbit/s
95th percentile per-packet one-way delay: 94.002 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 329.02 Mbit/s
95th percentile per-packet one-way delay: 101.214 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 268.88 Mbit/s
95th percentile per-packet one-way delay: 83.273 ms
Loss rate: 1.85%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-12 16:22:33

End at: 2019-07-12 16:23:03

Local clock offset: -0.077 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2019-07-12 19:37:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 673.94 Mbit/s

95th percentile per-packet one-way delay: 102.345 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 397.96 Mbit/s

95th percentile per-packet one-way delay: 103.809 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 306.15 Mbit/s

95th percentile per-packet one-way delay: 103.622 ms

Loss rate: 2.09%

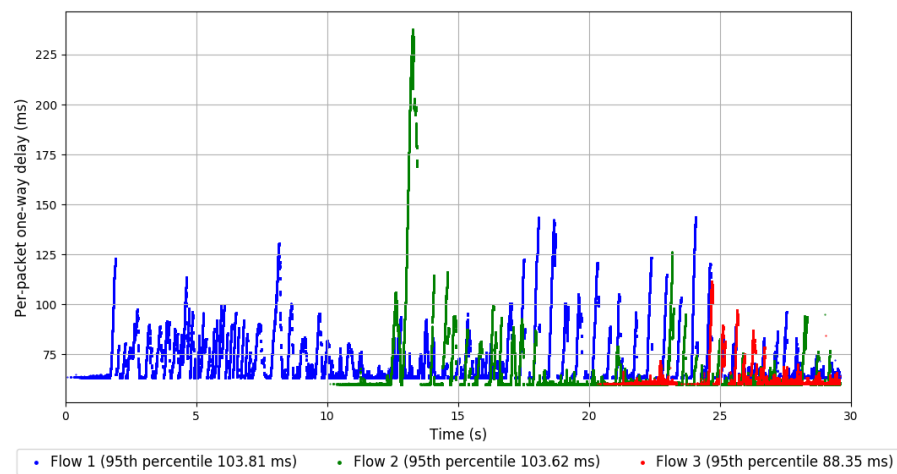
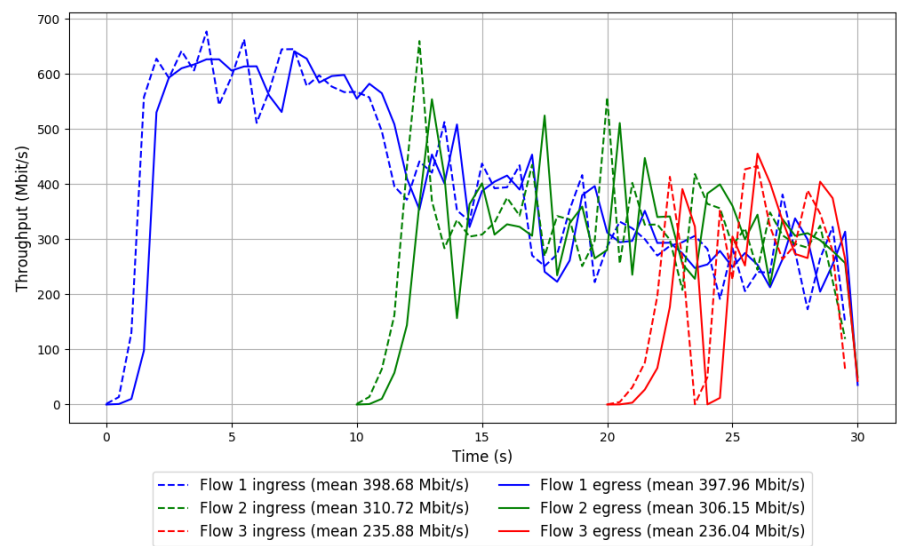
-- Flow 3:

Average throughput: 236.04 Mbit/s

95th percentile per-packet one-way delay: 88.354 ms

Loss rate: 1.25%

Run 4: Report of Muses_DecisionTreeH0 — Data Link

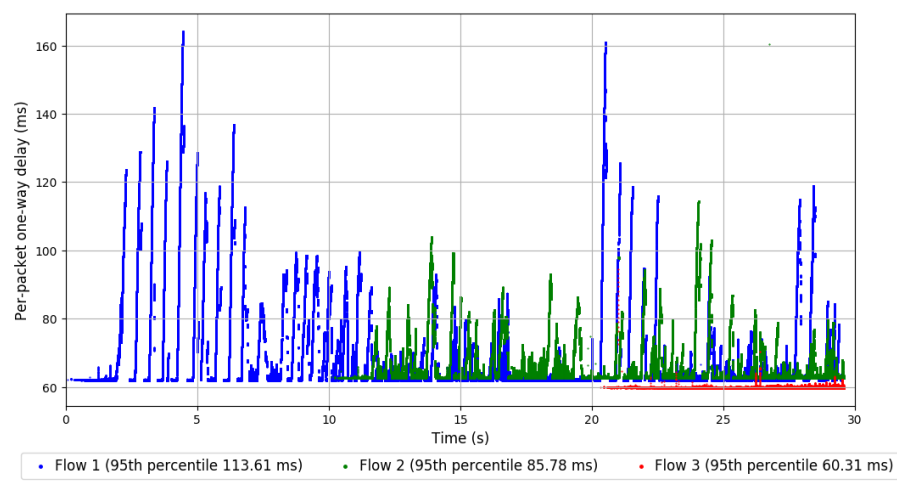
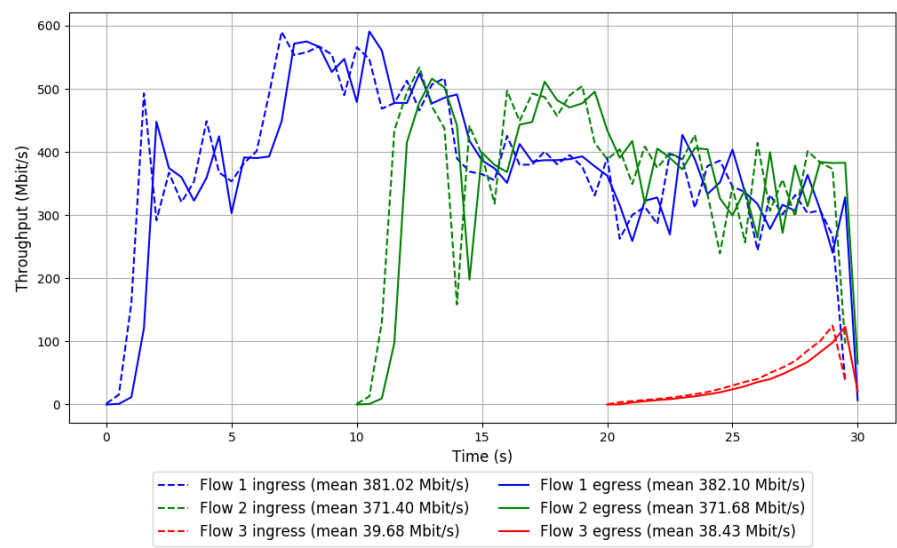


Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-12 17:03:50
End at: 2019-07-12 17:04:20
Local clock offset: -0.026 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2019-07-12 19:37:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 638.81 Mbit/s
95th percentile per-packet one-way delay: 104.336 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 382.10 Mbit/s
95th percentile per-packet one-way delay: 113.615 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 371.68 Mbit/s
95th percentile per-packet one-way delay: 85.784 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 60.312 ms
Loss rate: 4.44%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

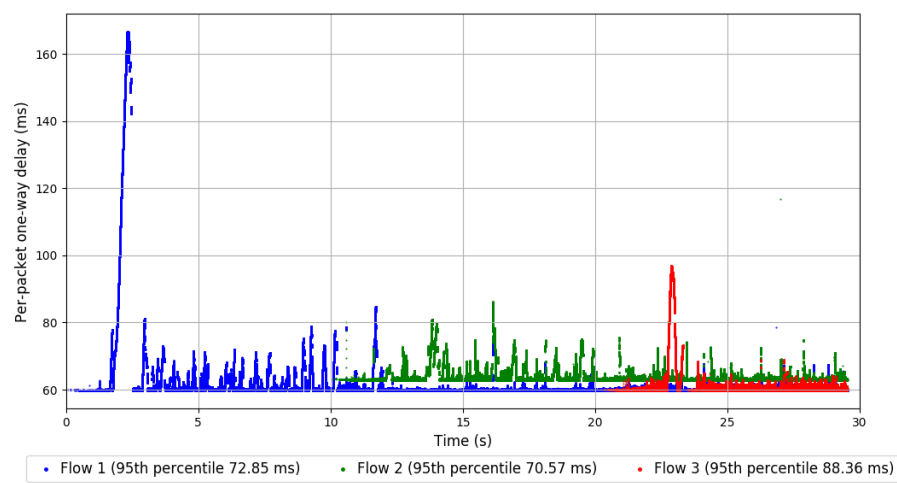
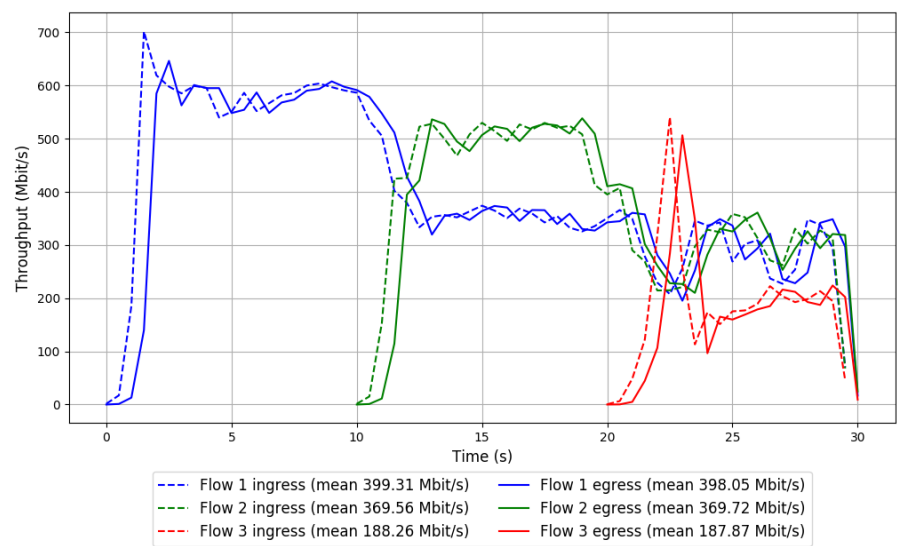


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 14:13:27
End at: 2019-07-12 14:13:57
Local clock offset: 0.004 ms
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2019-07-12 19:39:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 701.52 Mbit/s
95th percentile per-packet one-way delay: 72.106 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 398.05 Mbit/s
95th percentile per-packet one-way delay: 72.854 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 369.72 Mbit/s
95th percentile per-packet one-way delay: 70.573 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 187.87 Mbit/s
95th percentile per-packet one-way delay: 88.362 ms
Loss rate: 1.48%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

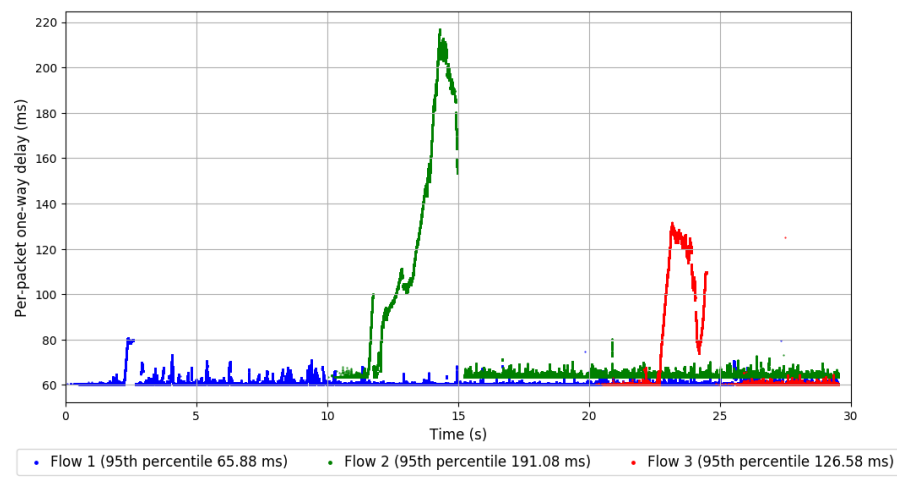
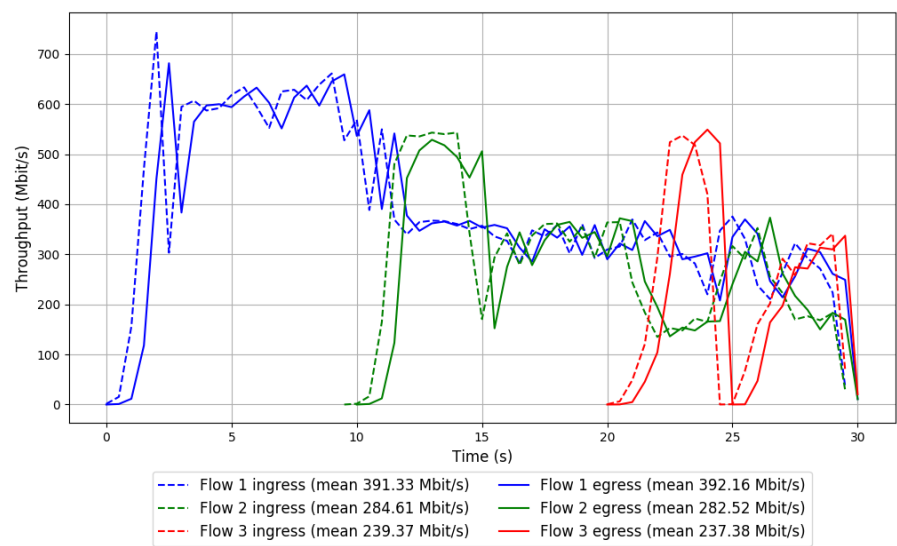


Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-12 14:54:22
End at: 2019-07-12 14:54:52
Local clock offset: -0.044 ms
Remote clock offset: -0.609 ms

Below is generated by plot.py at 2019-07-12 19:39:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 653.62 Mbit/s
95th percentile per-packet one-way delay: 124.320 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 392.16 Mbit/s
95th percentile per-packet one-way delay: 65.876 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 282.52 Mbit/s
95th percentile per-packet one-way delay: 191.077 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 237.38 Mbit/s
95th percentile per-packet one-way delay: 126.577 ms
Loss rate: 2.10%

Run 2: Report of Muses_DecisionTreeR0 — Data Link

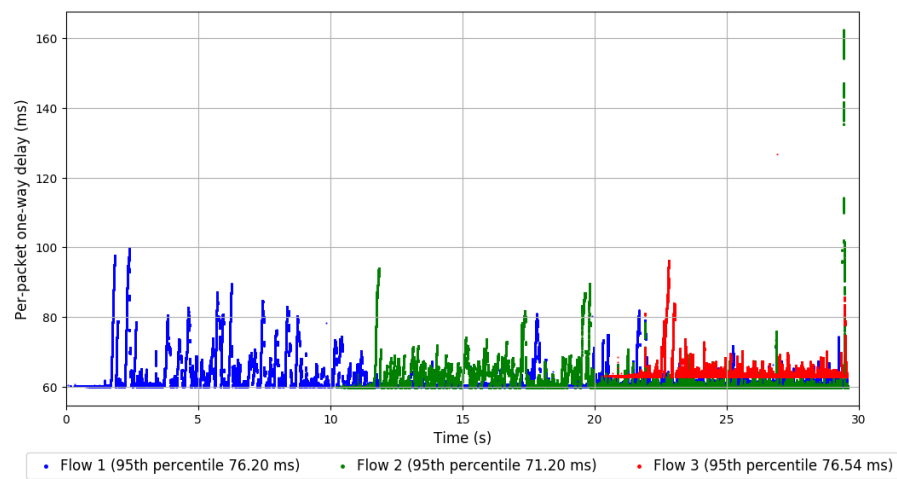
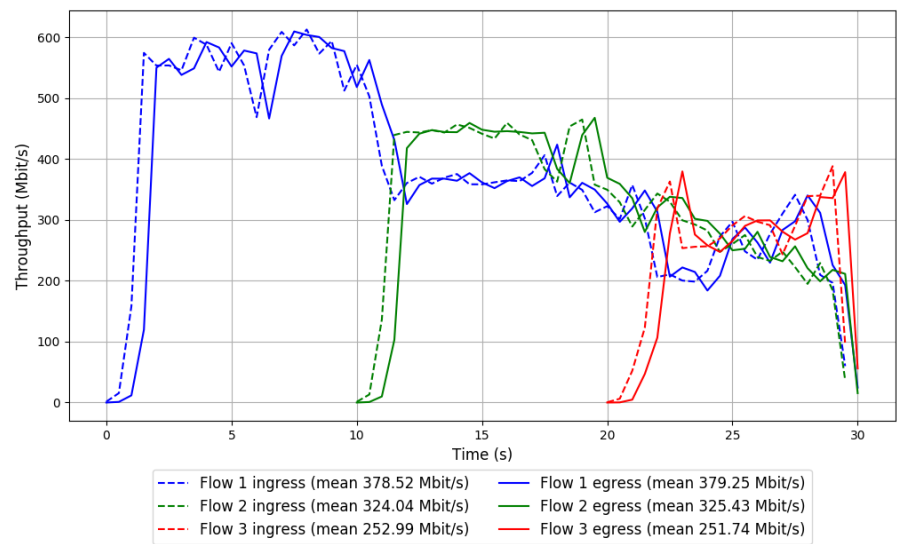


Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-12 15:35:38
End at: 2019-07-12 15:36:08
Local clock offset: 0.023 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2019-07-12 19:39:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 673.37 Mbit/s
95th percentile per-packet one-way delay: 75.116 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 379.25 Mbit/s
95th percentile per-packet one-way delay: 76.203 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 325.43 Mbit/s
95th percentile per-packet one-way delay: 71.197 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 251.74 Mbit/s
95th percentile per-packet one-way delay: 76.537 ms
Loss rate: 2.00%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

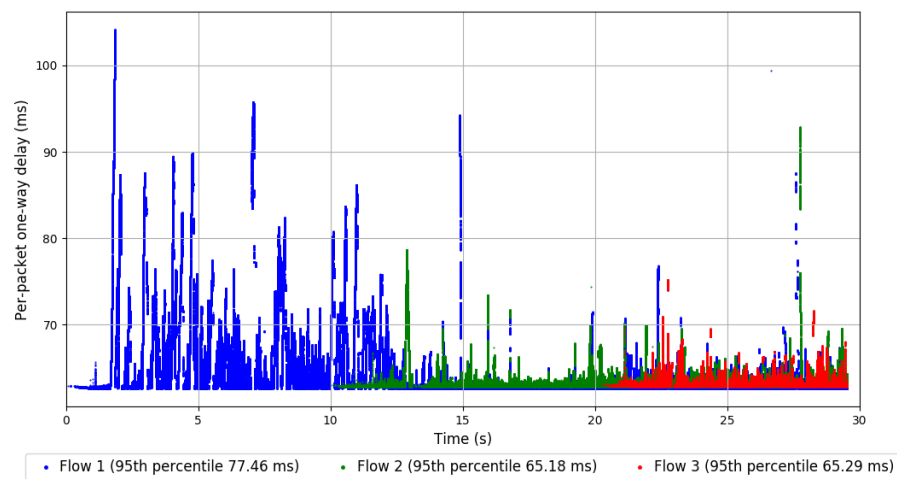
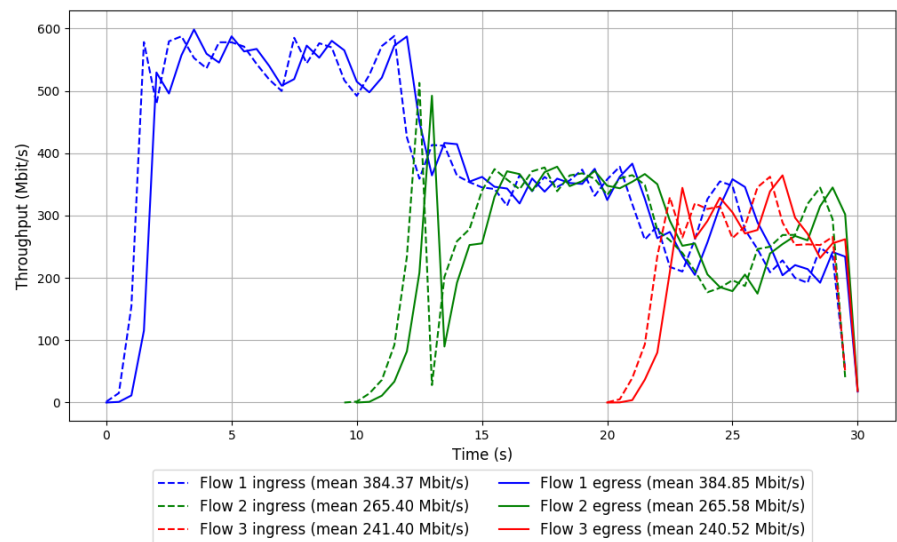


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-12 16:17:04
End at: 2019-07-12 16:17:34
Local clock offset: 0.004 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-07-12 19:41:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 636.09 Mbit/s
95th percentile per-packet one-way delay: 73.589 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 384.85 Mbit/s
95th percentile per-packet one-way delay: 77.459 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 265.58 Mbit/s
95th percentile per-packet one-way delay: 65.181 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 240.52 Mbit/s
95th percentile per-packet one-way delay: 65.286 ms
Loss rate: 1.75%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

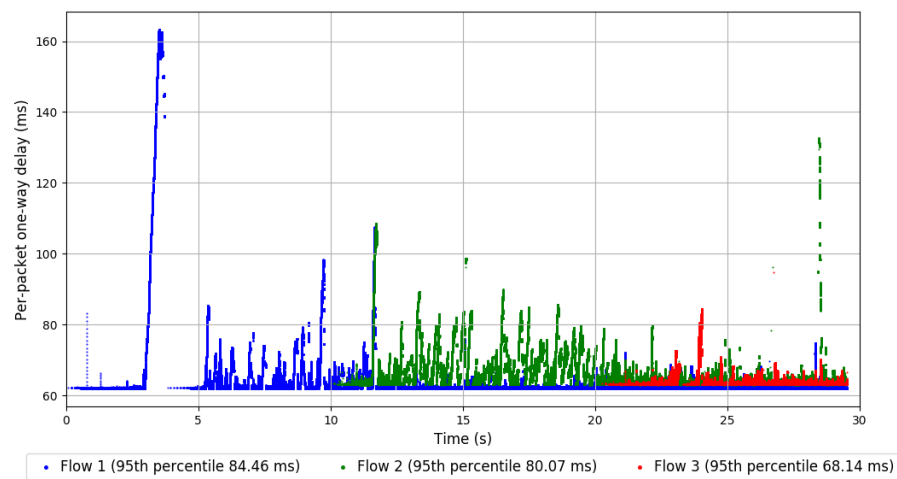
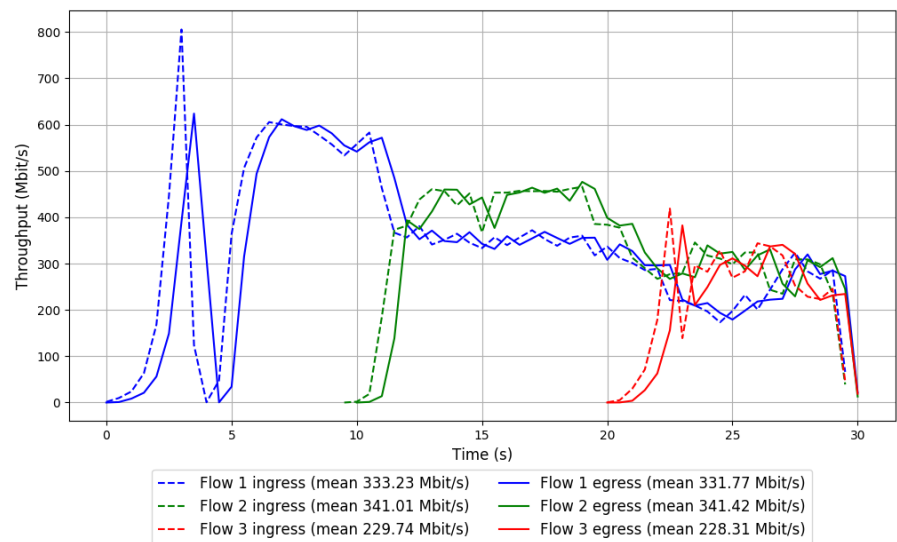


Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-12 16:58:26
End at: 2019-07-12 16:58:56
Local clock offset: -0.025 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-07-12 19:45:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 629.54 Mbit/s
95th percentile per-packet one-way delay: 79.645 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 331.77 Mbit/s
95th percentile per-packet one-way delay: 84.461 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 341.42 Mbit/s
95th percentile per-packet one-way delay: 80.072 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 228.31 Mbit/s
95th percentile per-packet one-way delay: 68.141 ms
Loss rate: 1.59%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

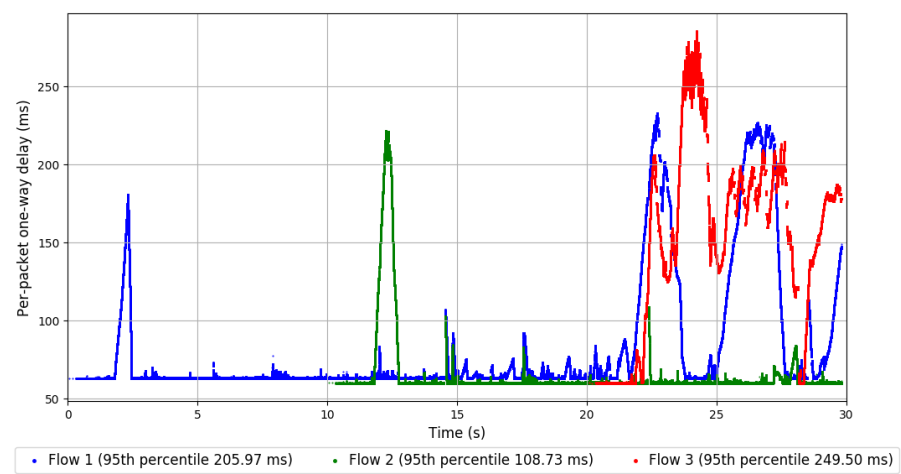
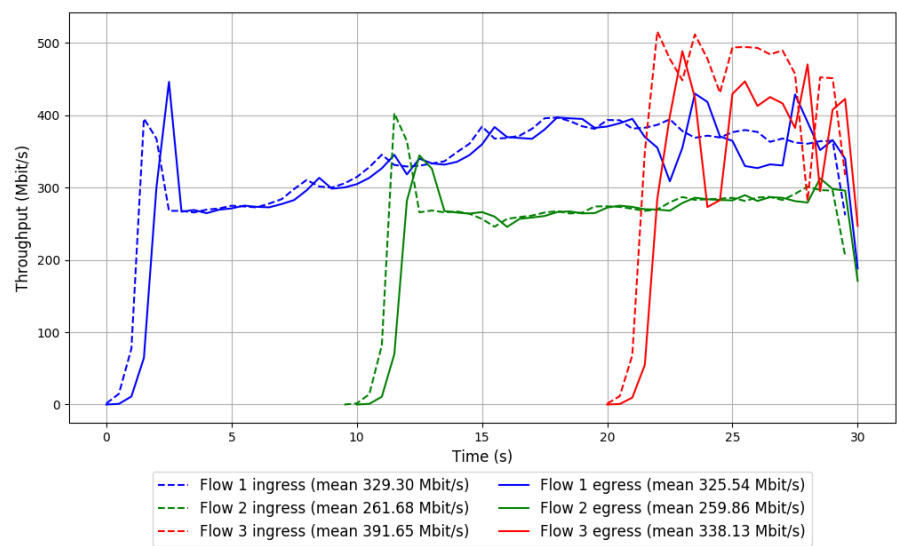


Run 1: Statistics of PCC-Allegro

Start at: 2019-07-12 14:21:57
End at: 2019-07-12 14:22:27
Local clock offset: -0.001 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2019-07-12 19:57:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 608.49 Mbit/s
95th percentile per-packet one-way delay: 205.486 ms
Loss rate: 4.17%
-- Flow 1:
Average throughput: 325.54 Mbit/s
95th percentile per-packet one-way delay: 205.966 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 259.86 Mbit/s
95th percentile per-packet one-way delay: 108.728 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 338.13 Mbit/s
95th percentile per-packet one-way delay: 249.505 ms
Loss rate: 14.72%

Run 1: Report of PCC-Allegro — Data Link

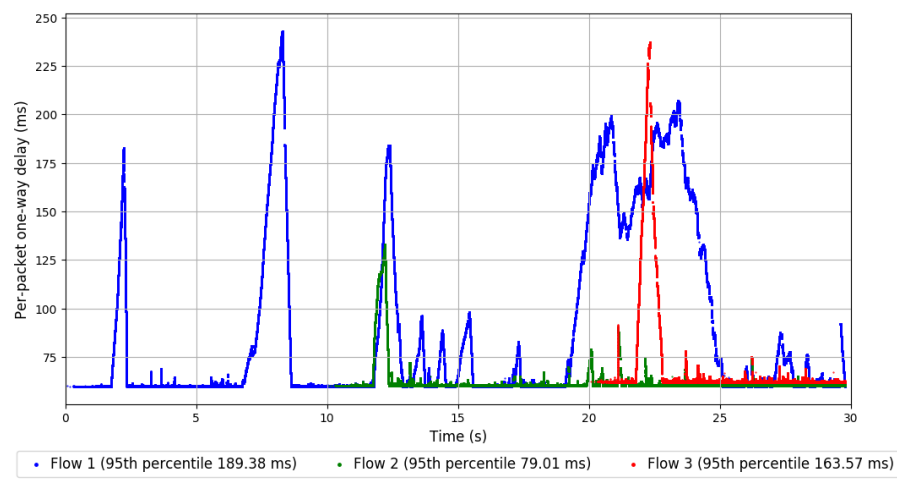
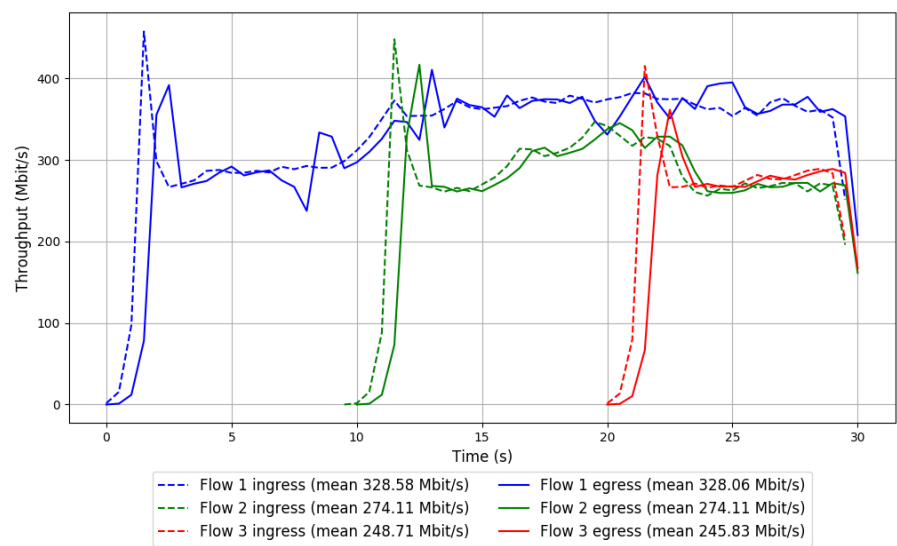


Run 2: Statistics of PCC-Allegro

Start at: 2019-07-12 15:02:50
End at: 2019-07-12 15:03:20
Local clock offset: -0.055 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2019-07-12 19:57:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 590.35 Mbit/s
95th percentile per-packet one-way delay: 180.735 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 328.06 Mbit/s
95th percentile per-packet one-way delay: 189.376 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 274.11 Mbit/s
95th percentile per-packet one-way delay: 79.014 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 245.83 Mbit/s
95th percentile per-packet one-way delay: 163.569 ms
Loss rate: 2.39%

Run 2: Report of PCC-Allegro — Data Link

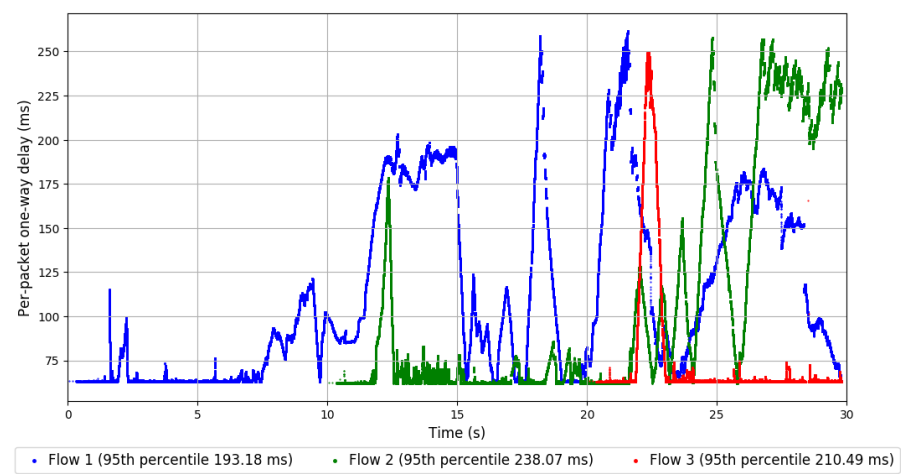
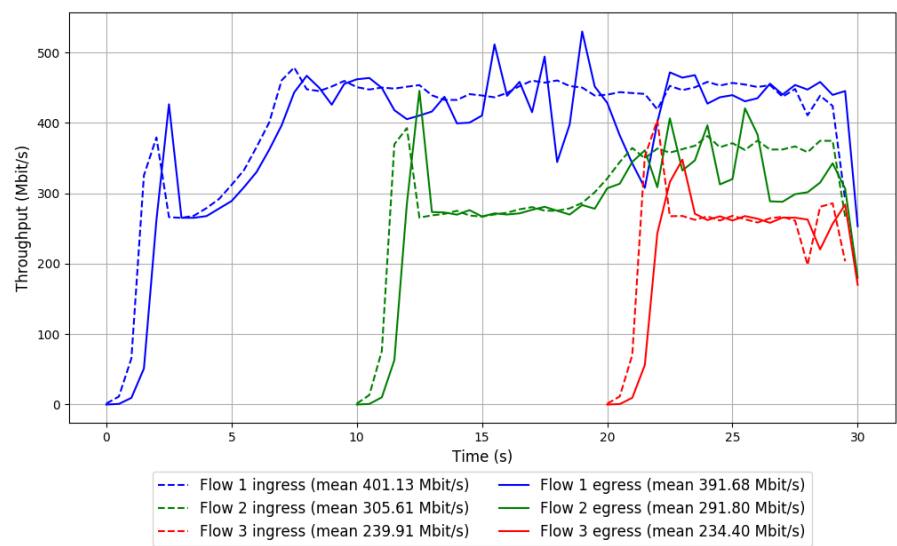


Run 3: Statistics of PCC-Allegro

Start at: 2019-07-12 15:44:10
End at: 2019-07-12 15:44:40
Local clock offset: 0.015 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2019-07-12 20:01:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 661.80 Mbit/s
95th percentile per-packet one-way delay: 224.193 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 391.68 Mbit/s
95th percentile per-packet one-way delay: 193.182 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 291.80 Mbit/s
95th percentile per-packet one-way delay: 238.074 ms
Loss rate: 5.11%
-- Flow 3:
Average throughput: 234.40 Mbit/s
95th percentile per-packet one-way delay: 210.489 ms
Loss rate: 3.53%

Run 3: Report of PCC-Allegro — Data Link

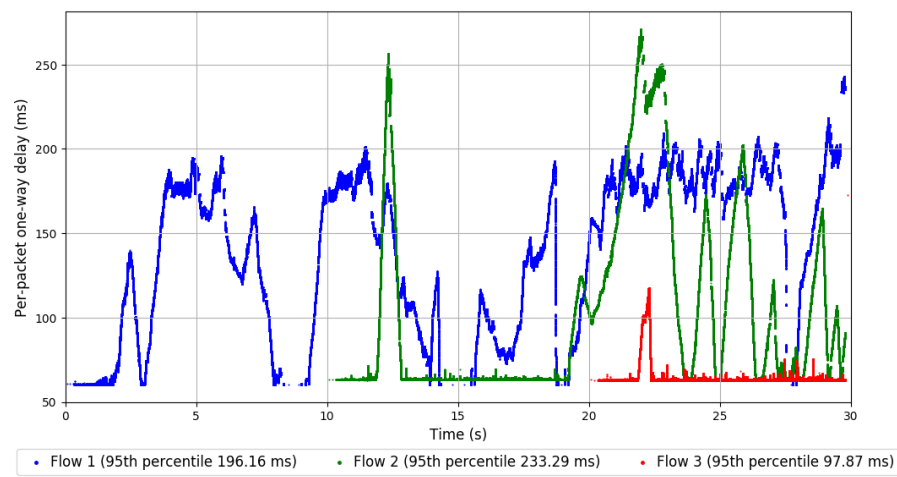
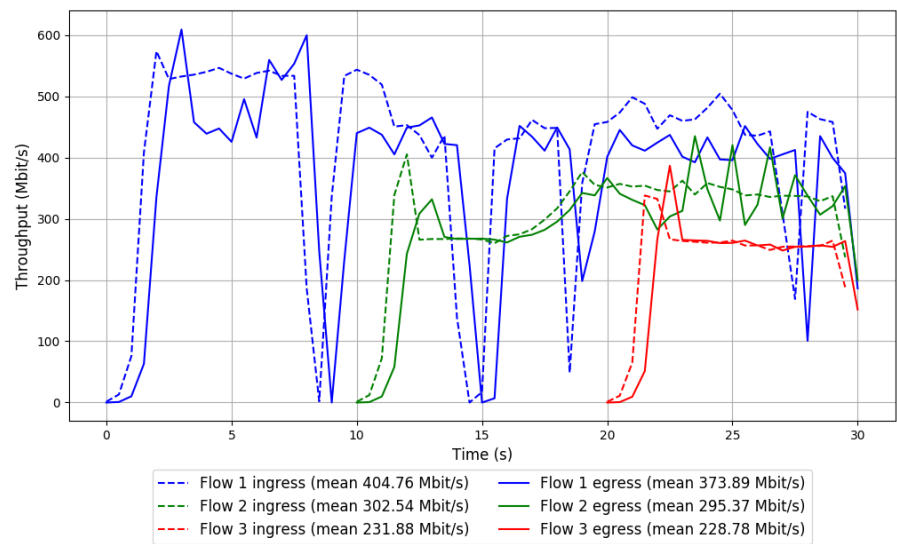


Run 4: Statistics of PCC-Allegro

Start at: 2019-07-12 16:25:34
End at: 2019-07-12 16:26:04
Local clock offset: 0.016 ms
Remote clock offset: -0.248 ms

```
# Below is generated by plot.py at 2019-07-12 20:01:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 642.99 Mbit/s
95th percentile per-packet one-way delay: 198.479 ms
Loss rate: 5.81%
-- Flow 1:
Average throughput: 373.89 Mbit/s
95th percentile per-packet one-way delay: 196.157 ms
Loss rate: 8.01%
-- Flow 2:
Average throughput: 295.37 Mbit/s
95th percentile per-packet one-way delay: 233.291 ms
Loss rate: 2.99%
-- Flow 3:
Average throughput: 228.78 Mbit/s
95th percentile per-packet one-way delay: 97.871 ms
Loss rate: 1.54%
```

Run 4: Report of PCC-Allegro — Data Link

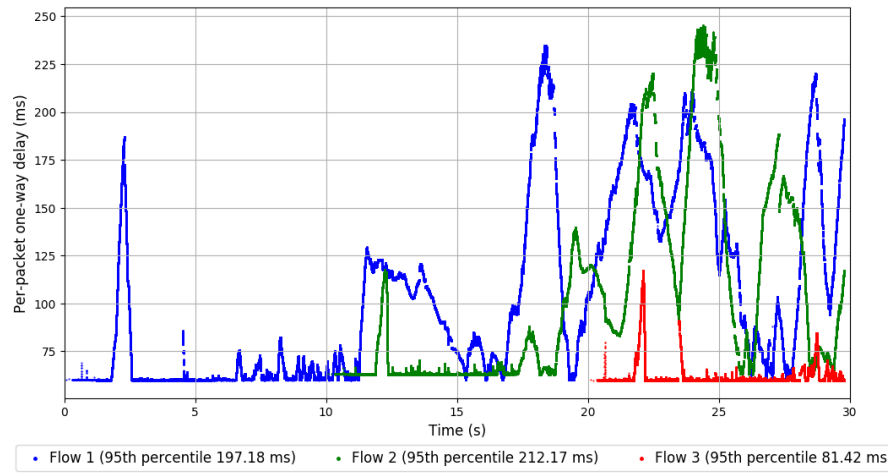
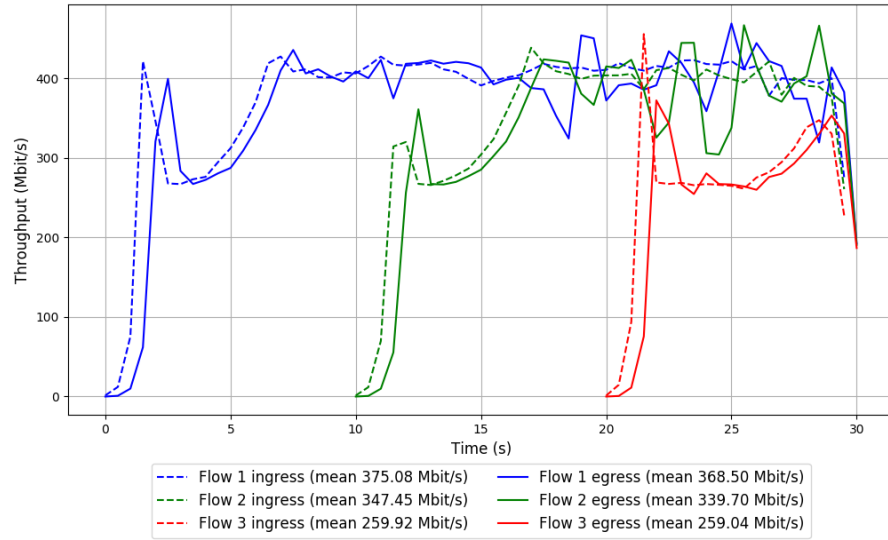


Run 5: Statistics of PCC-Allegro

Start at: 2019-07-12 17:06:48
End at: 2019-07-12 17:07:18
Local clock offset: 0.02 ms
Remote clock offset: -0.269 ms

Below is generated by plot.py at 2019-07-12 20:03:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 678.35 Mbit/s
95th percentile per-packet one-way delay: 198.541 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 368.50 Mbit/s
95th percentile per-packet one-way delay: 197.179 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 339.70 Mbit/s
95th percentile per-packet one-way delay: 212.169 ms
Loss rate: 2.86%
-- Flow 3:
Average throughput: 259.04 Mbit/s
95th percentile per-packet one-way delay: 81.424 ms
Loss rate: 1.59%

Run 5: Report of PCC-Allegro — Data Link

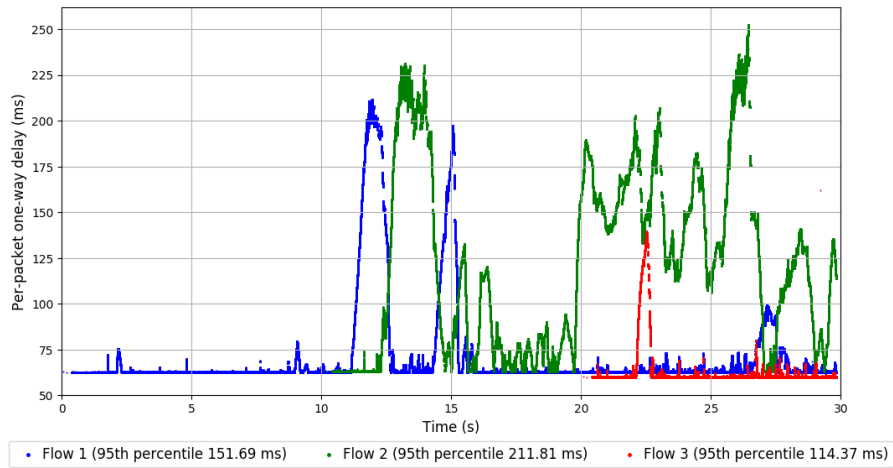
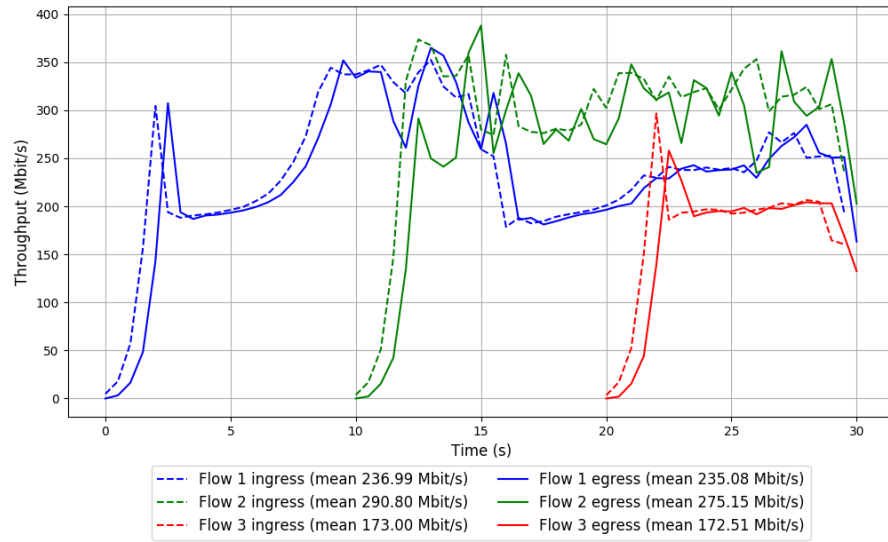


```
Run 1: Statistics of PCC-Expr

Start at: 2019-07-12 14:15:15
End at: 2019-07-12 14:15:45
Local clock offset: 0.024 ms
Remote clock offset: -0.294 ms

# Below is generated by plot.py at 2019-07-12 20:03:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 474.04 Mbit/s
95th percentile per-packet one-way delay: 192.142 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 235.08 Mbit/s
95th percentile per-packet one-way delay: 151.688 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 275.15 Mbit/s
95th percentile per-packet one-way delay: 211.812 ms
Loss rate: 5.97%
-- Flow 3:
Average throughput: 172.51 Mbit/s
95th percentile per-packet one-way delay: 114.369 ms
Loss rate: 1.50%
```

Run 1: Report of PCC-Expr — Data Link

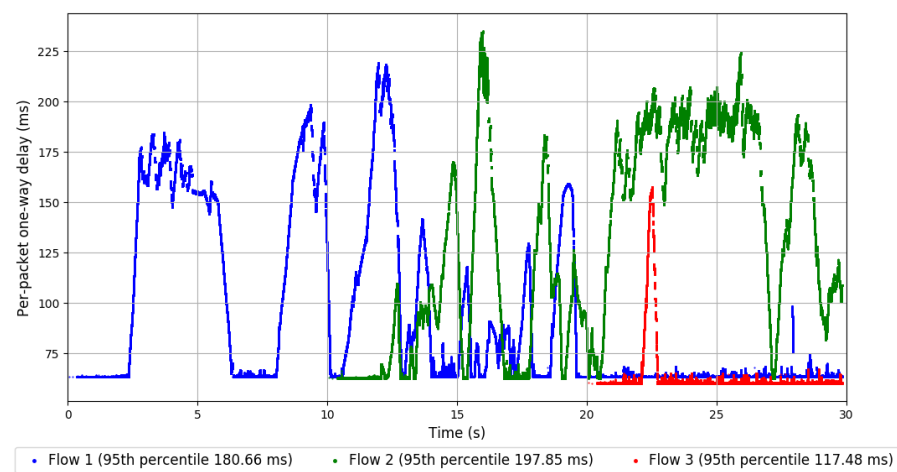
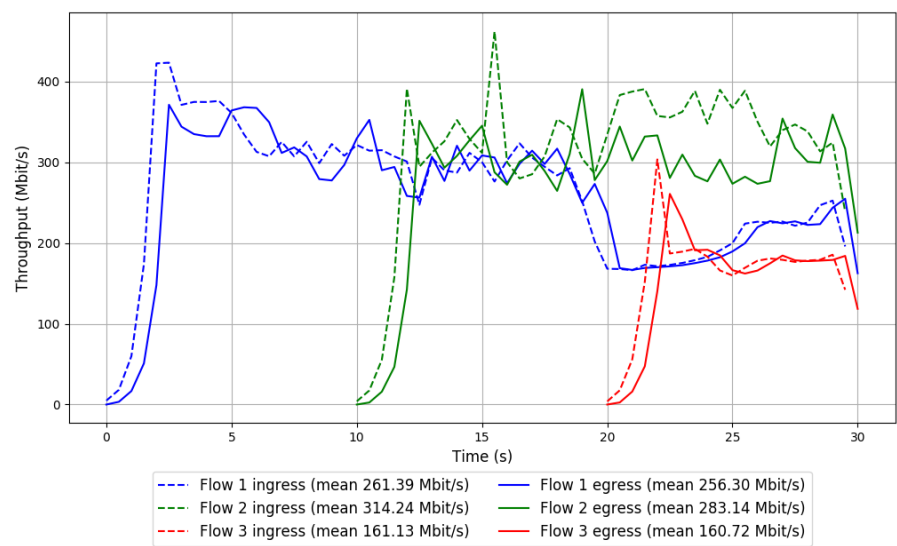


Run 2: Statistics of PCC-Expr

Start at: 2019-07-12 14:56:08
End at: 2019-07-12 14:56:38
Local clock offset: -0.048 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2019-07-12 20:03:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 496.89 Mbit/s
95th percentile per-packet one-way delay: 192.703 ms
Loss rate: 5.50%
-- Flow 1:
Average throughput: 256.30 Mbit/s
95th percentile per-packet one-way delay: 180.661 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 283.14 Mbit/s
95th percentile per-packet one-way delay: 197.850 ms
Loss rate: 10.46%
-- Flow 3:
Average throughput: 160.72 Mbit/s
95th percentile per-packet one-way delay: 117.482 ms
Loss rate: 1.47%

Run 2: Report of PCC-Expr — Data Link

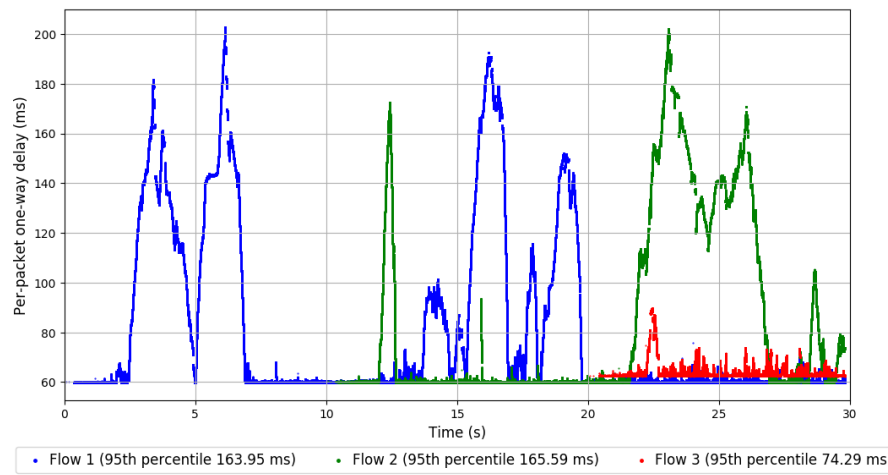
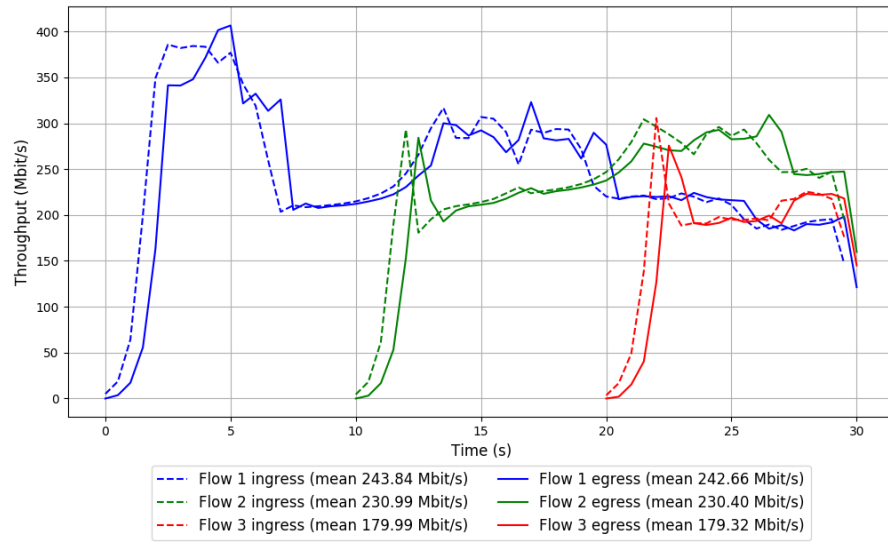


Run 3: Statistics of PCC-Expr

Start at: 2019-07-12 15:37:26
End at: 2019-07-12 15:37:56
Local clock offset: -0.03 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2019-07-12 20:03:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 454.32 Mbit/s
95th percentile per-packet one-way delay: 161.661 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 242.66 Mbit/s
95th percentile per-packet one-way delay: 163.946 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 230.40 Mbit/s
95th percentile per-packet one-way delay: 165.587 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 179.32 Mbit/s
95th percentile per-packet one-way delay: 74.293 ms
Loss rate: 1.61%

Run 3: Report of PCC-Expr — Data Link

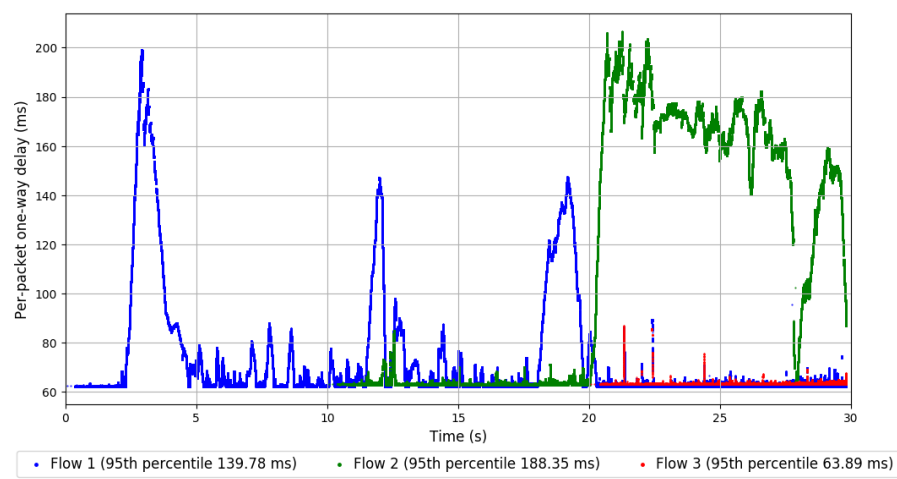
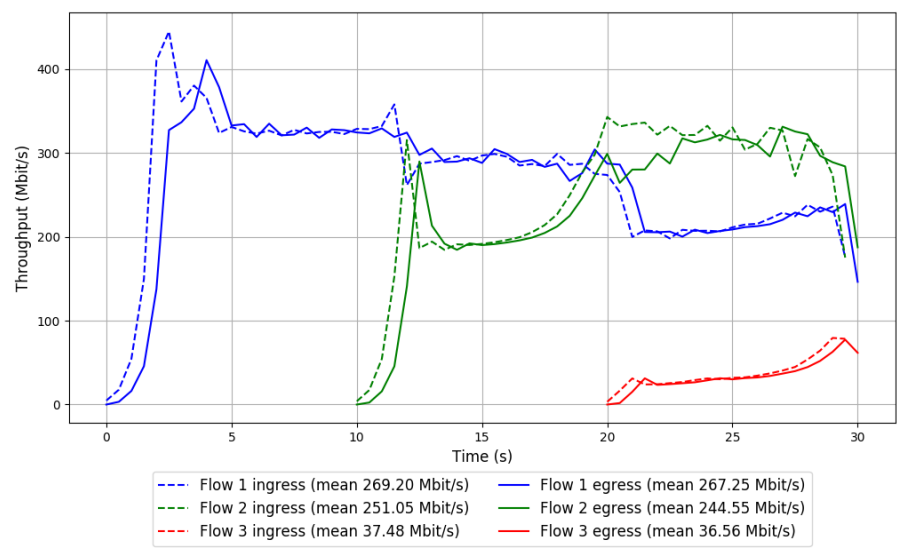


Run 4: Statistics of PCC-Expr

Start at: 2019-07-12 16:18:50
End at: 2019-07-12 16:19:20
Local clock offset: -0.003 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2019-07-12 20:10:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 441.49 Mbit/s
95th percentile per-packet one-way delay: 176.257 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 267.25 Mbit/s
95th percentile per-packet one-way delay: 139.779 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 244.55 Mbit/s
95th percentile per-packet one-way delay: 188.354 ms
Loss rate: 3.20%
-- Flow 3:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 63.886 ms
Loss rate: 3.71%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-07-12 17:00:11

End at: 2019-07-12 17:00:41

Local clock offset: -0.01 ms

Remote clock offset: -0.31 ms

Below is generated by plot.py at 2019-07-12 20:11:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 418.12 Mbit/s

95th percentile per-packet one-way delay: 105.261 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 230.07 Mbit/s

95th percentile per-packet one-way delay: 105.347 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 194.39 Mbit/s

95th percentile per-packet one-way delay: 91.787 ms

Loss rate: 0.68%

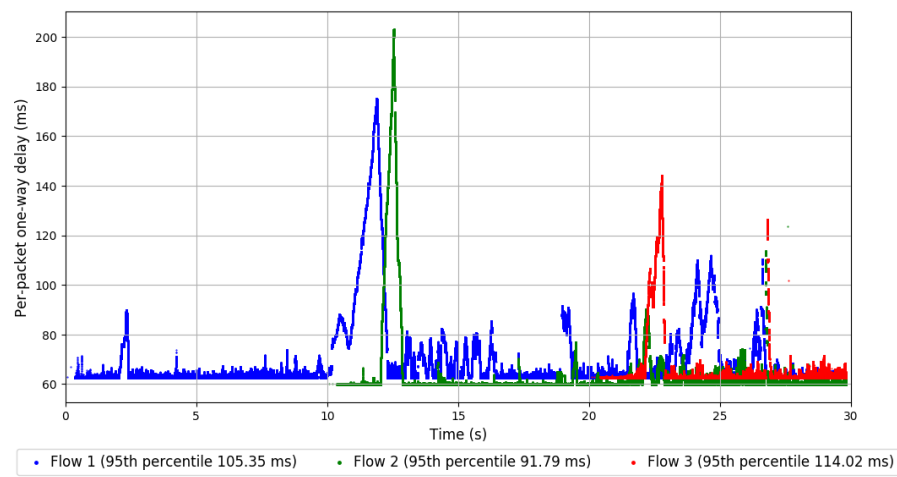
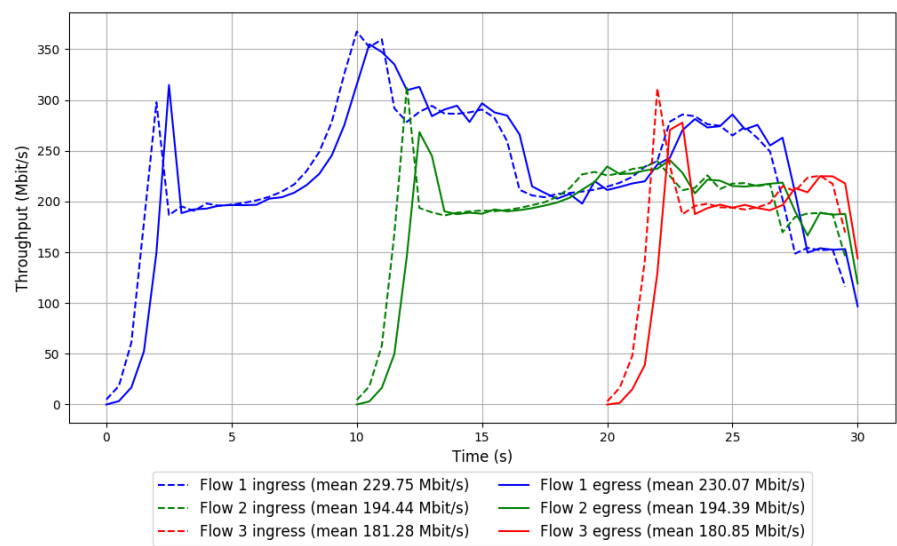
-- Flow 3:

Average throughput: 180.85 Mbit/s

95th percentile per-packet one-way delay: 114.020 ms

Loss rate: 1.51%

Run 5: Report of PCC-Expr — Data Link

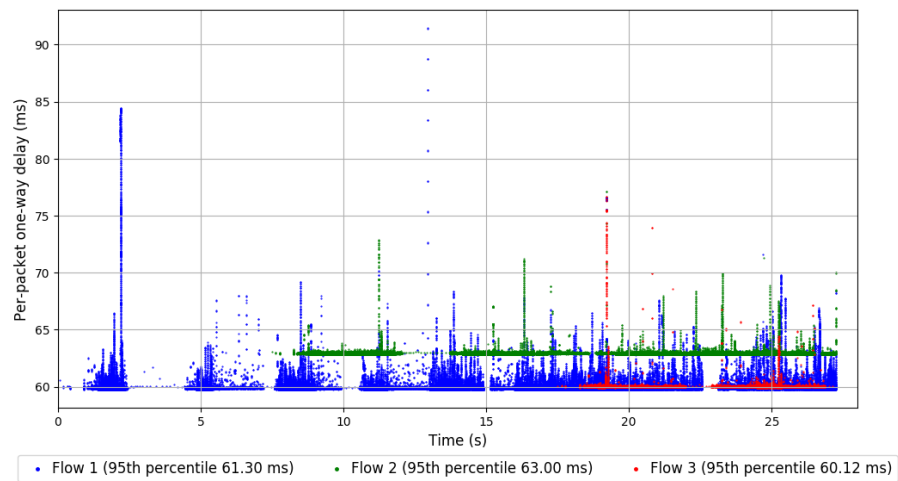
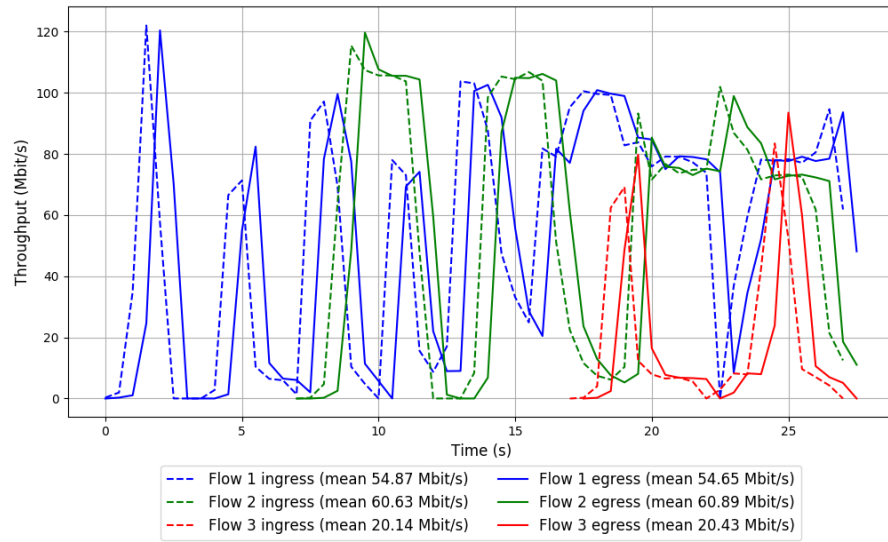


Run 1: Statistics of QUIC Cubic

Start at: 2019-07-12 14:27:04
End at: 2019-07-12 14:27:34
Local clock offset: 0.015 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-07-12 20:11:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 106.14 Mbit/s
95th percentile per-packet one-way delay: 62.969 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 54.65 Mbit/s
95th percentile per-packet one-way delay: 61.302 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 60.89 Mbit/s
95th percentile per-packet one-way delay: 63.002 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 20.43 Mbit/s
95th percentile per-packet one-way delay: 60.125 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

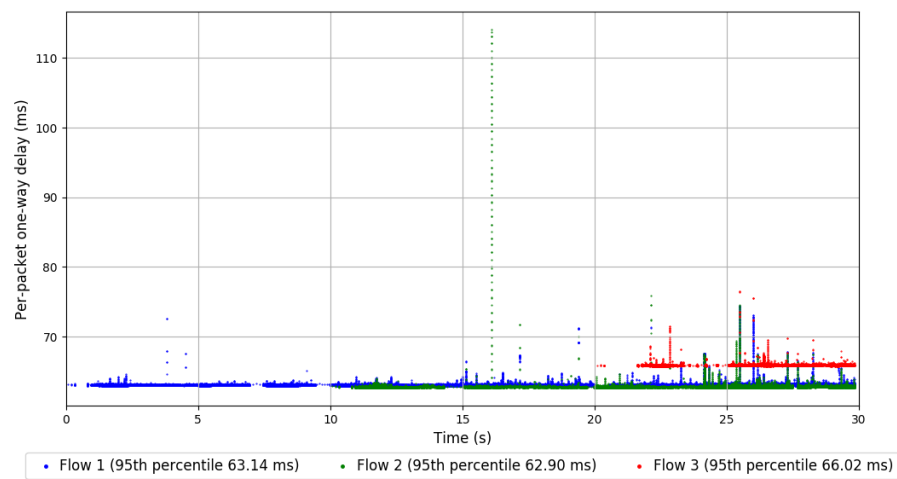
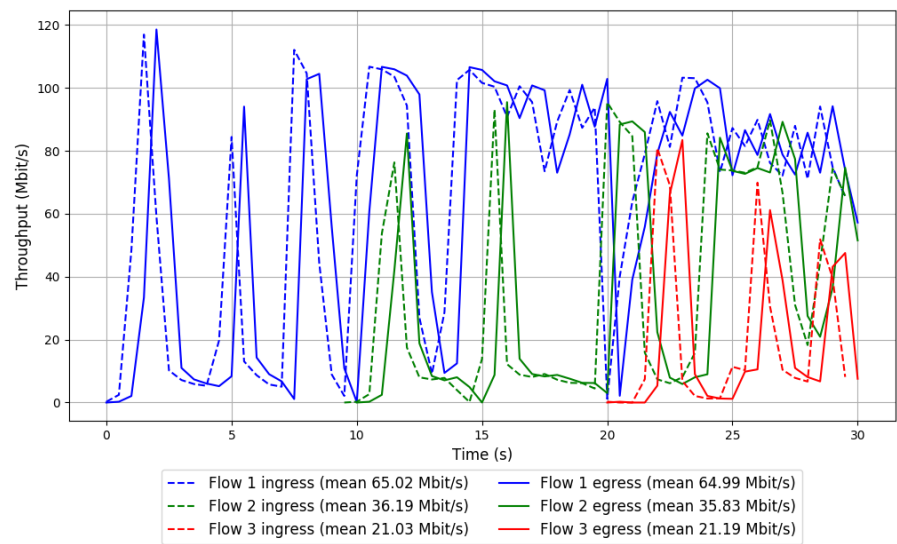


Run 2: Statistics of QUIC Cubic

Start at: 2019-07-12 15:07:55
End at: 2019-07-12 15:08:25
Local clock offset: -0.022 ms
Remote clock offset: -0.679 ms

Below is generated by plot.py at 2019-07-12 20:11:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 65.832 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 64.99 Mbit/s
95th percentile per-packet one-way delay: 63.144 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 62.903 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 66.018 ms
Loss rate: 0.53%

Run 2: Report of QUIC Cubic — Data Link

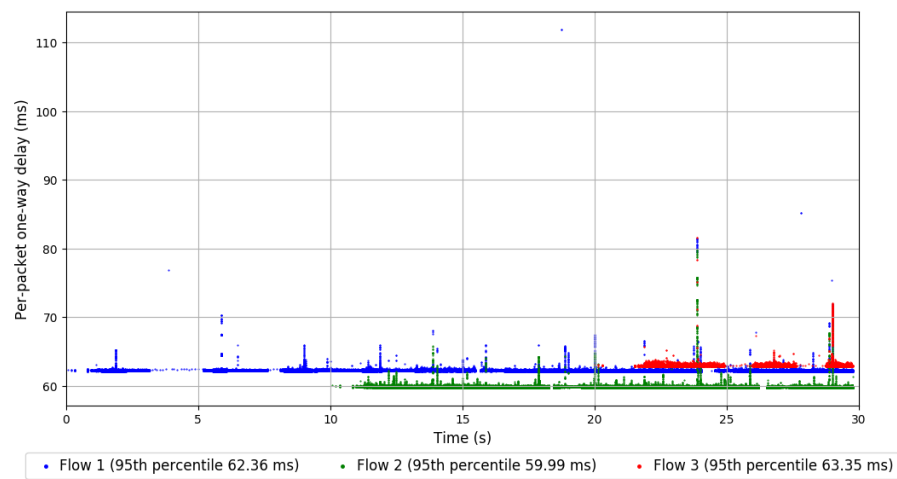
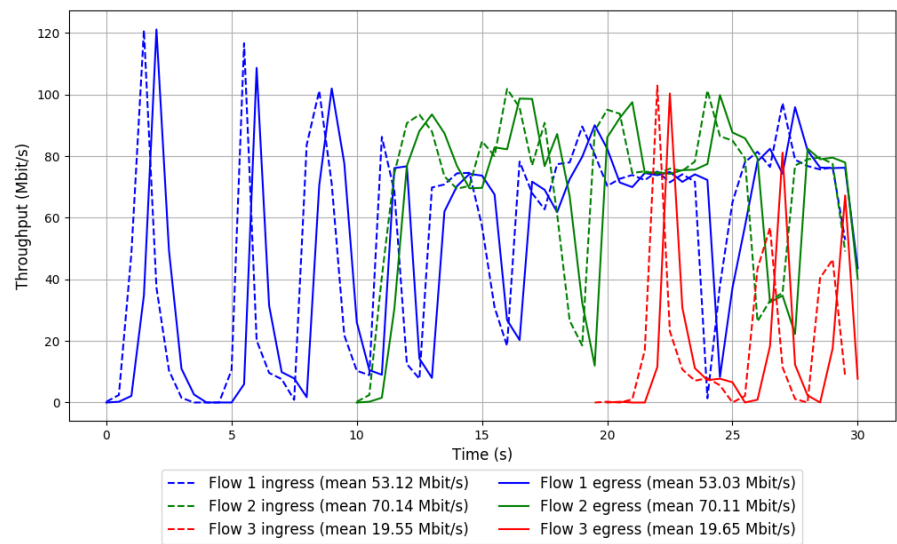


Run 3: Statistics of QUIC Cubic

Start at: 2019-07-12 15:49:14
End at: 2019-07-12 15:49:44
Local clock offset: 0.021 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2019-07-12 20:11:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 105.95 Mbit/s
95th percentile per-packet one-way delay: 62.904 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 53.03 Mbit/s
95th percentile per-packet one-way delay: 62.363 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 70.11 Mbit/s
95th percentile per-packet one-way delay: 59.995 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 19.65 Mbit/s
95th percentile per-packet one-way delay: 63.347 ms
Loss rate: 0.73%

Run 3: Report of QUIC Cubic — Data Link

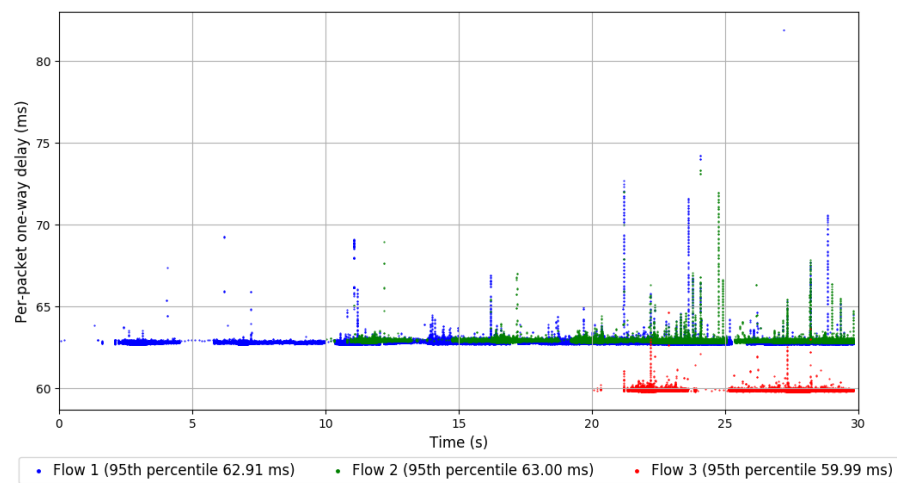
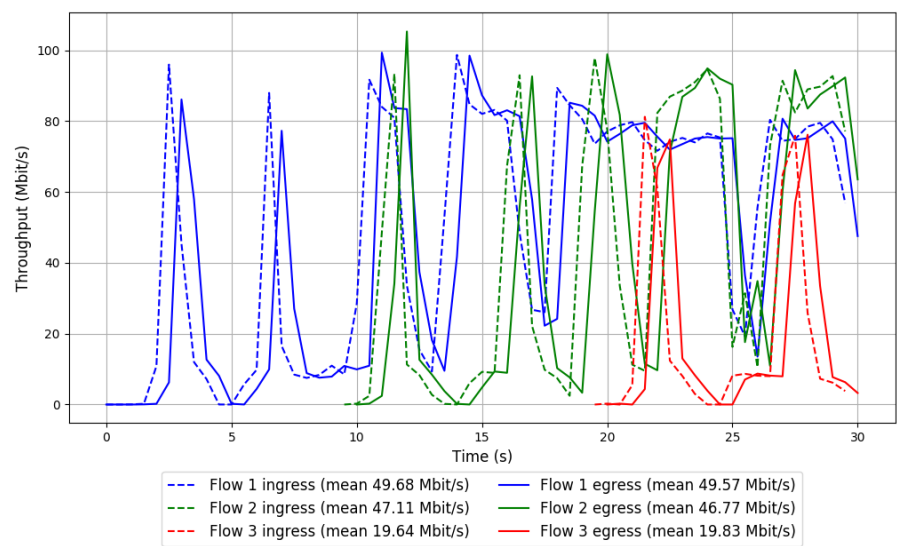


Run 4: Statistics of QUIC Cubic

Start at: 2019-07-12 16:30:41
End at: 2019-07-12 16:31:11
Local clock offset: -0.038 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2019-07-12 20:11:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.15 Mbit/s
95th percentile per-packet one-way delay: 62.965 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 49.57 Mbit/s
95th percentile per-packet one-way delay: 62.910 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 63.003 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 19.83 Mbit/s
95th percentile per-packet one-way delay: 59.995 ms
Loss rate: 0.32%

Run 4: Report of QUIC Cubic — Data Link

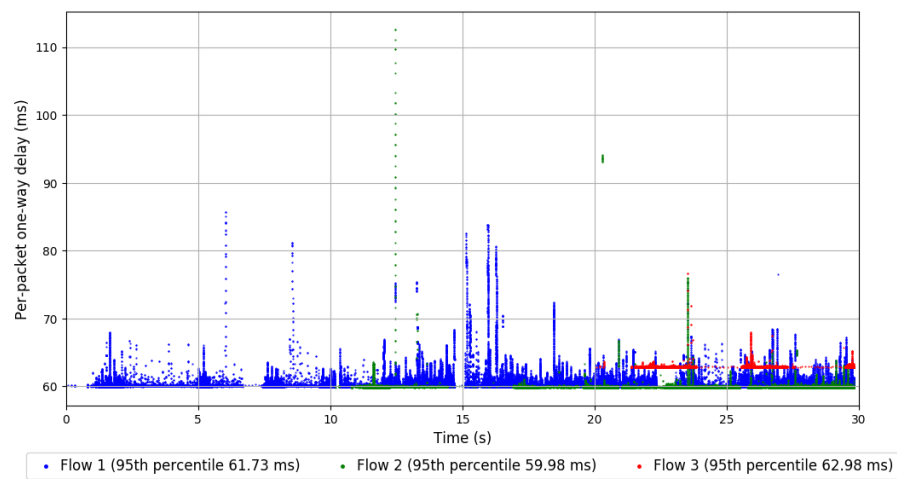
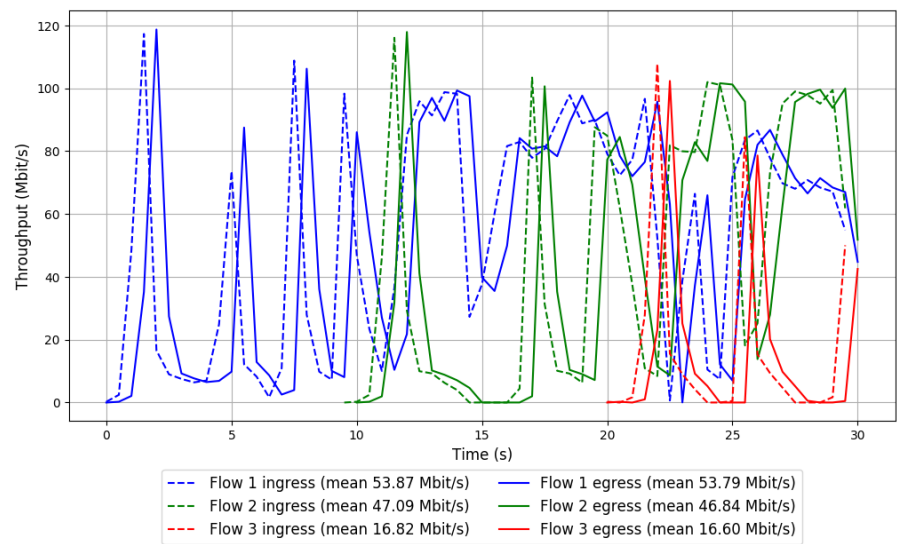


Run 5: Statistics of QUIC Cubic

Start at: 2019-07-12 17:11:59
End at: 2019-07-12 17:12:29
Local clock offset: -0.014 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2019-07-12 20:11:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.34 Mbit/s
95th percentile per-packet one-way delay: 62.846 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 53.79 Mbit/s
95th percentile per-packet one-way delay: 61.730 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 59.982 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 16.60 Mbit/s
95th percentile per-packet one-way delay: 62.979 ms
Loss rate: 2.63%

Run 5: Report of QUIC Cubic — Data Link

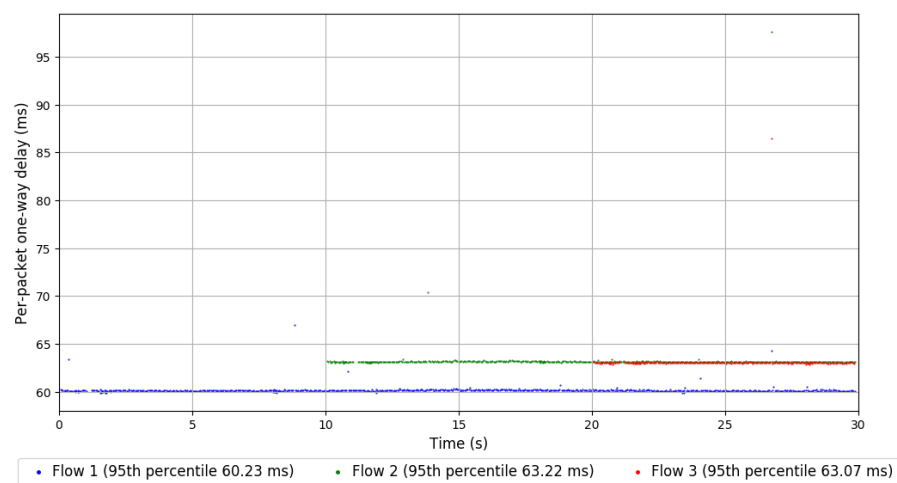
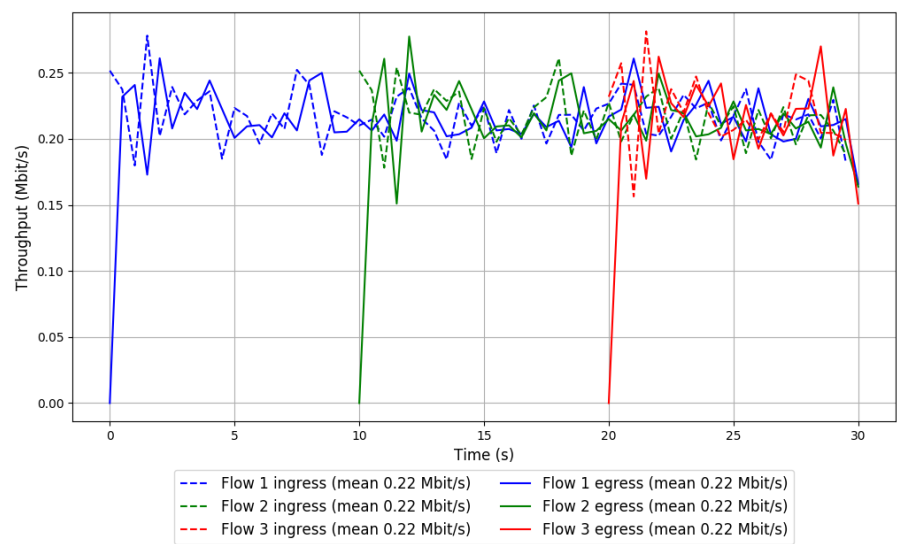


```
Run 1: Statistics of SReAM

Start at: 2019-07-12 14:20:45
End at: 2019-07-12 14:21:15
Local clock offset: 0.005 ms
Remote clock offset: -0.144 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 63.178 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.233 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.219 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.073 ms
Loss rate: 1.45%
```

Run 1: Report of SReAM — Data Link

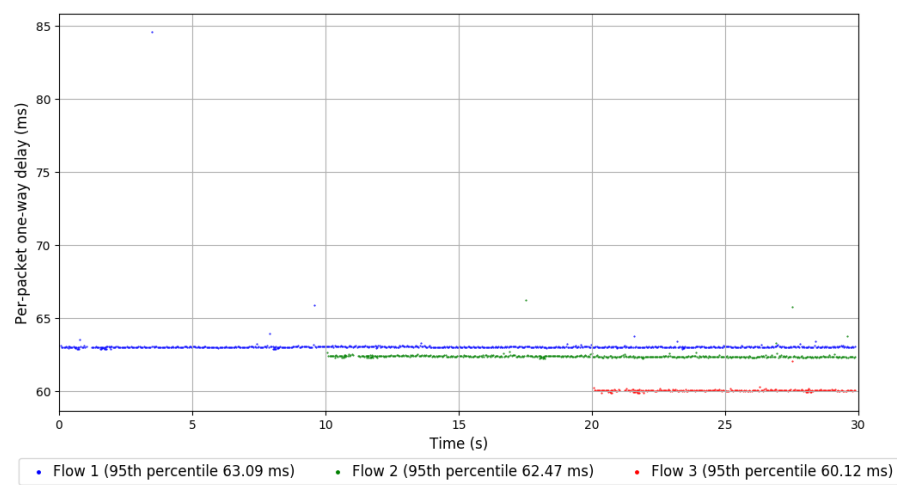
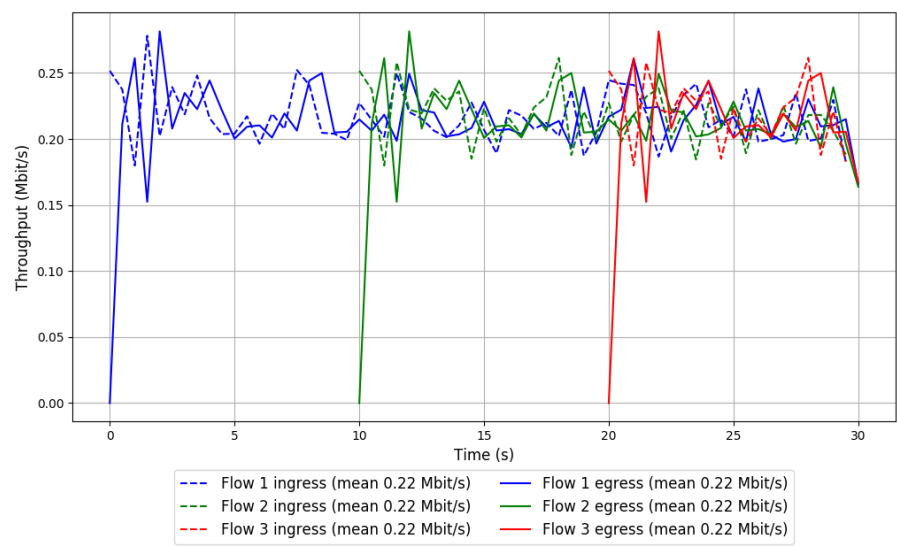


Run 2: Statistics of SReAM

Start at: 2019-07-12 15:01:38
End at: 2019-07-12 15:02:08
Local clock offset: -0.045 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2019-07-12 20:11:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.062 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.089 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.473 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.117 ms
Loss rate: 1.08%

Run 2: Report of SReAM — Data Link

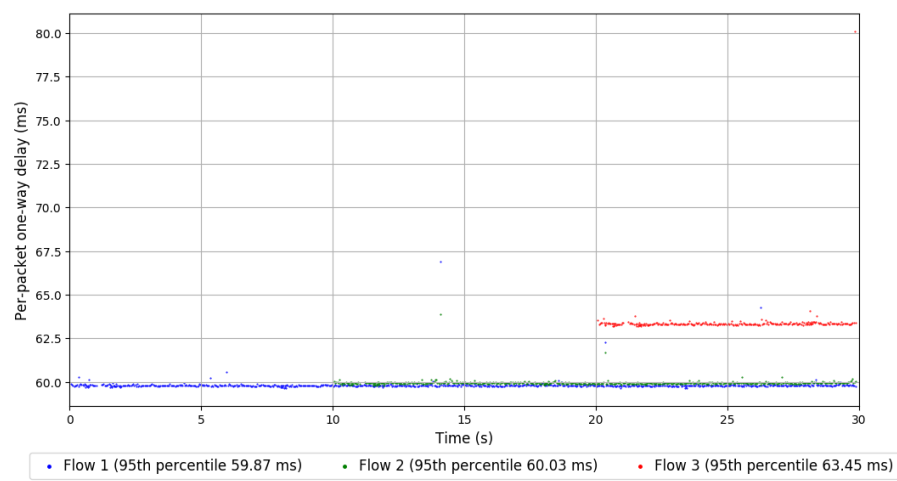
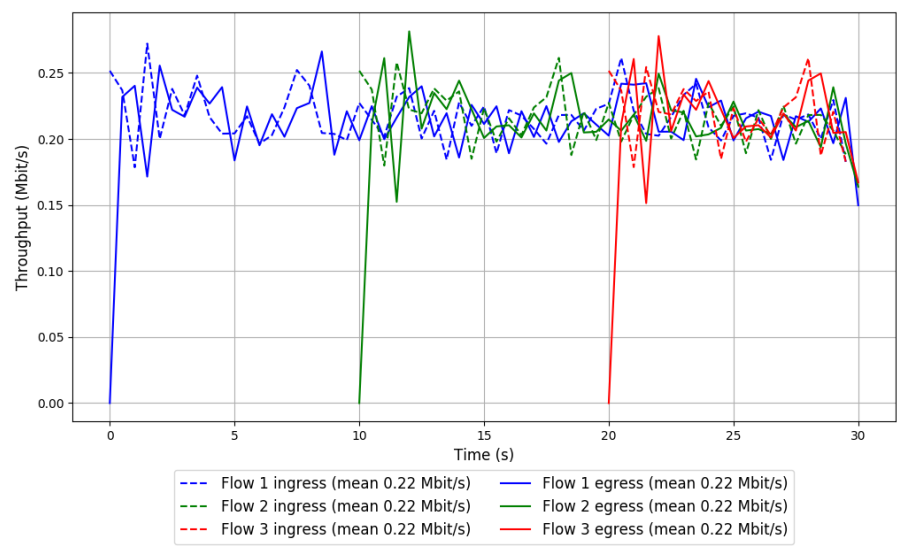


Run 3: Statistics of SReAM

Start at: 2019-07-12 15:42:57
End at: 2019-07-12 15:43:27
Local clock offset: 0.005 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2019-07-12 20:11:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 63.355 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.872 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.035 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.451 ms
Loss rate: 1.09%

Run 3: Report of SReAM — Data Link

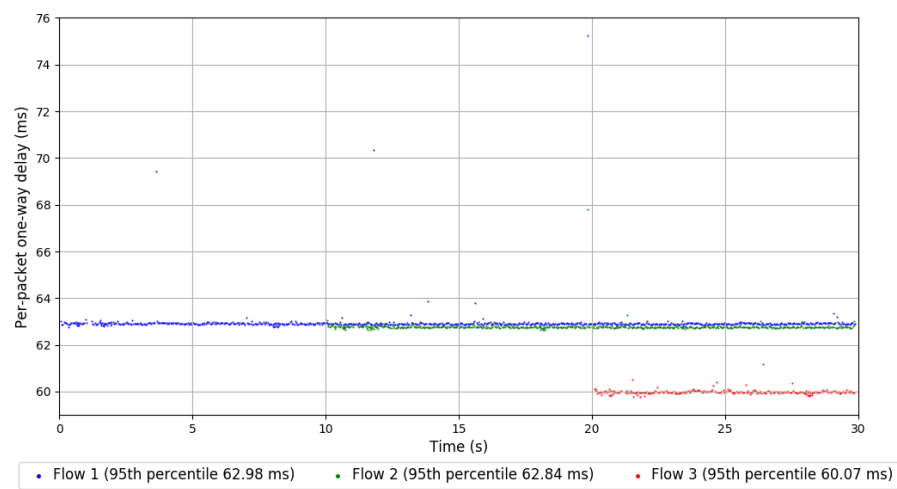
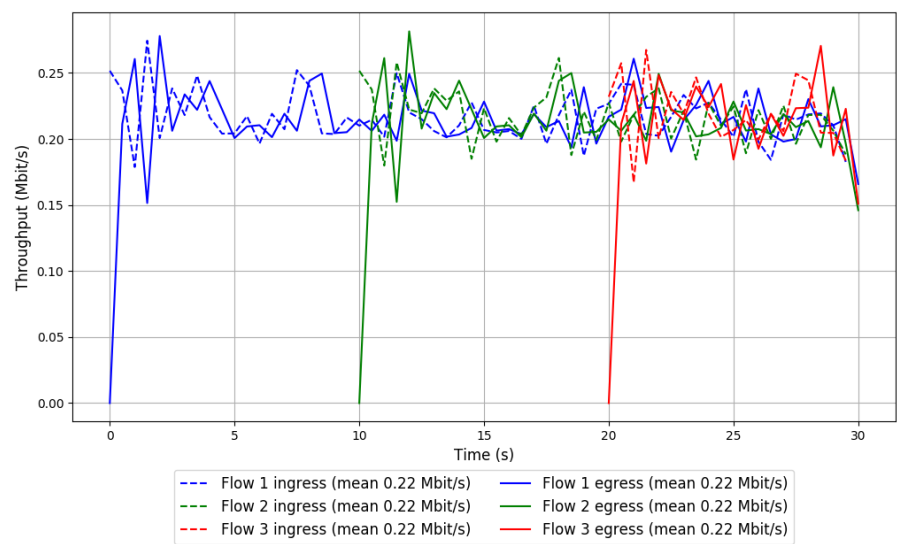


Run 4: Statistics of SReAM

Start at: 2019-07-12 16:24:22
End at: 2019-07-12 16:24:52
Local clock offset: -0.054 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2019-07-12 20:11:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 62.956 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.979 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.838 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.072 ms
Loss rate: 1.10%

Run 4: Report of SReAM — Data Link

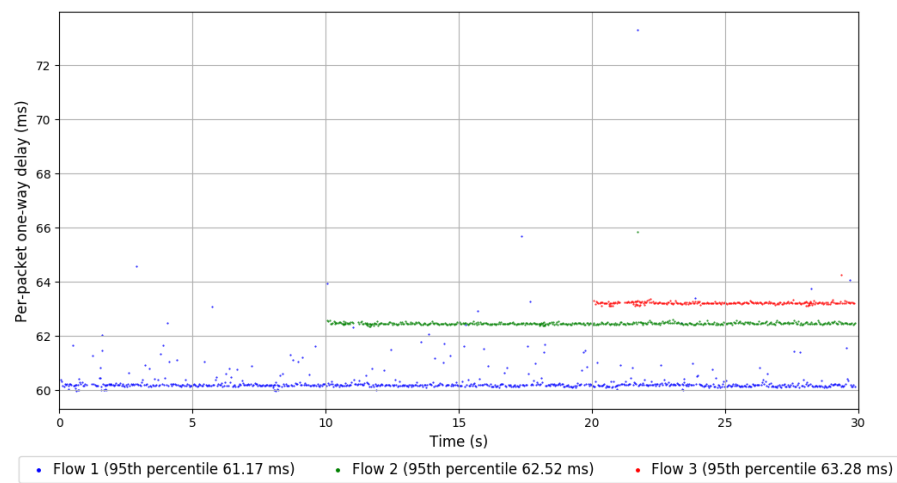
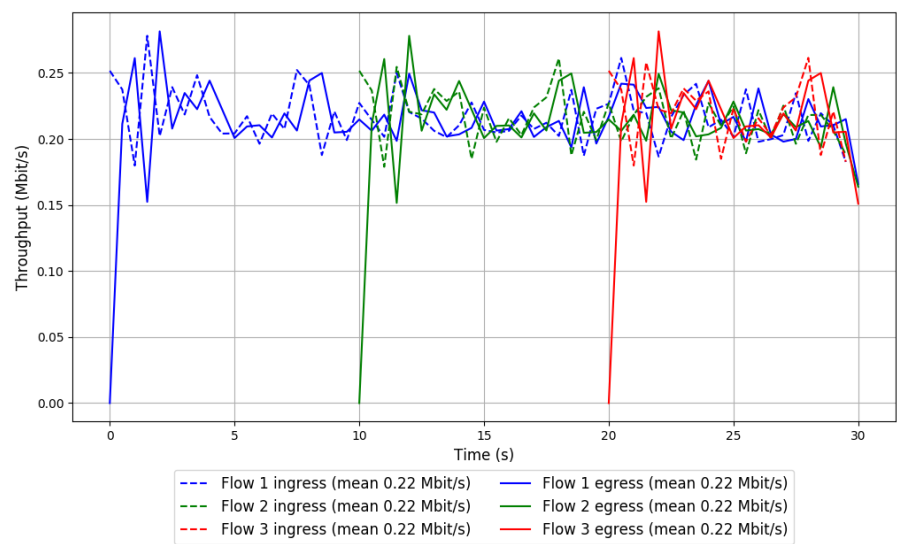


Run 5: Statistics of SReAM

Start at: 2019-07-12 17:05:35
End at: 2019-07-12 17:06:05
Local clock offset: -0.003 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2019-07-12 20:11:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 63.231 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.169 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.520 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.279 ms
Loss rate: 1.45%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-07-12 14:10:36

End at: 2019-07-12 14:11:06

Local clock offset: 0.001 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2019-07-12 20:11:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.52 Mbit/s

95th percentile per-packet one-way delay: 63.578 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 6.90 Mbit/s

95th percentile per-packet one-way delay: 63.008 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 61.020 ms

Loss rate: 0.84%

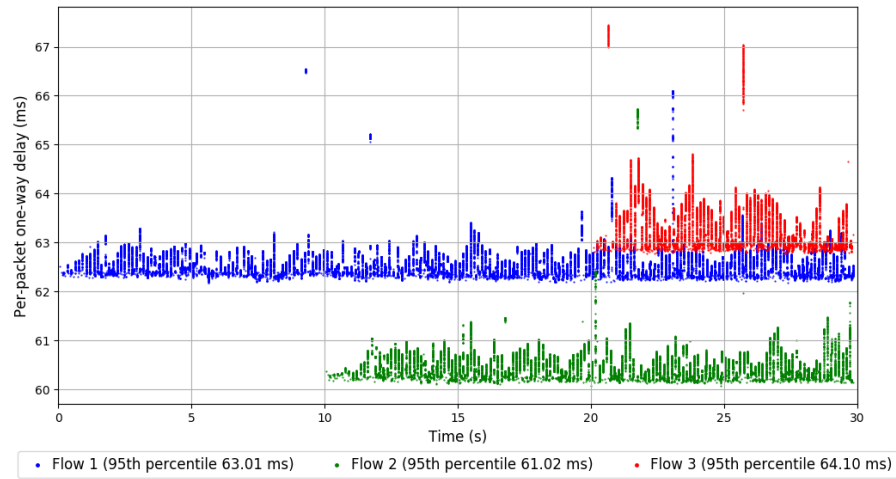
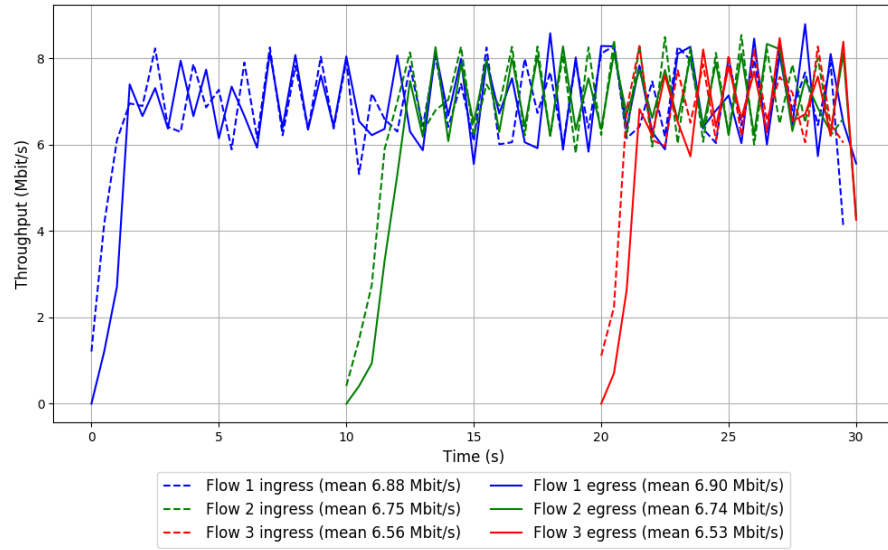
-- Flow 3:

Average throughput: 6.53 Mbit/s

95th percentile per-packet one-way delay: 64.100 ms

Loss rate: 1.50%

Run 1: Report of Sprout — Data Link

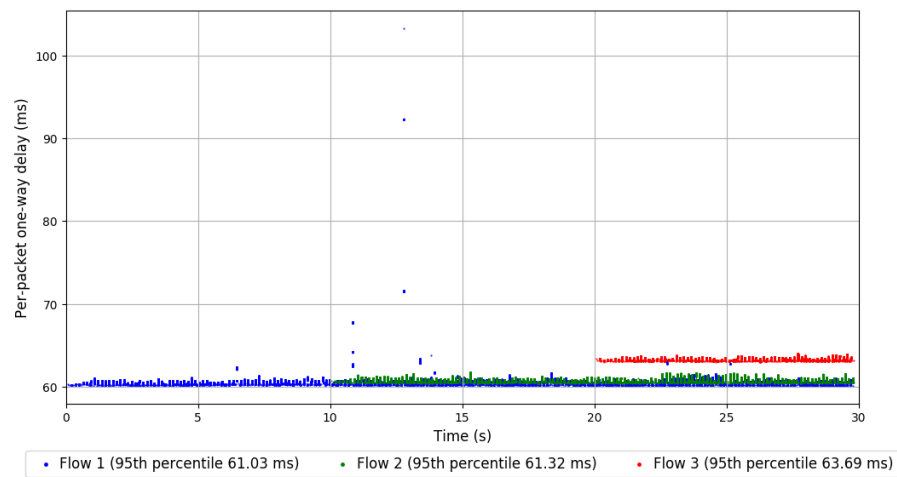
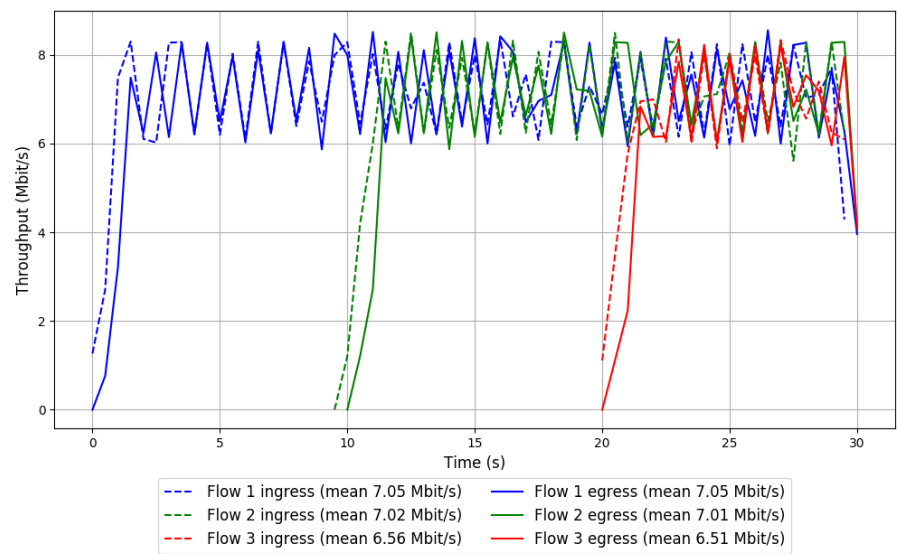


Run 2: Statistics of Sprout

Start at: 2019-07-12 14:51:29
End at: 2019-07-12 14:51:59
Local clock offset: -0.05 ms
Remote clock offset: -0.271 ms

Below is generated by plot.py at 2019-07-12 20:11:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.82 Mbit/s
95th percentile per-packet one-way delay: 63.424 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 61.034 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 61.316 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 63.685 ms
Loss rate: 1.77%

Run 2: Report of Sprout — Data Link

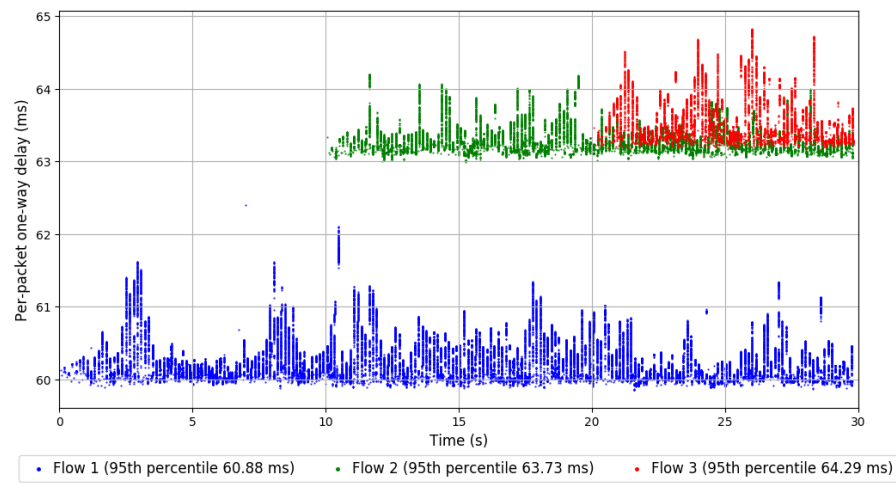
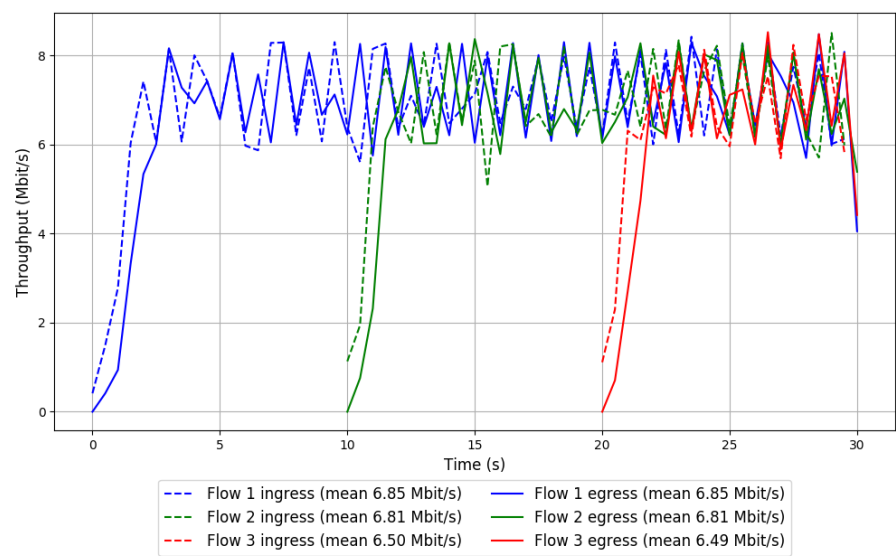


Run 3: Statistics of Sprout

Start at: 2019-07-12 15:32:48
End at: 2019-07-12 15:33:18
Local clock offset: -0.019 ms
Remote clock offset: -0.203 ms

```
# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.48 Mbit/s
95th percentile per-packet one-way delay: 63.787 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 60.878 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 63.728 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 6.49 Mbit/s
95th percentile per-packet one-way delay: 64.291 ms
Loss rate: 1.57%
```

Run 3: Report of Sprout — Data Link

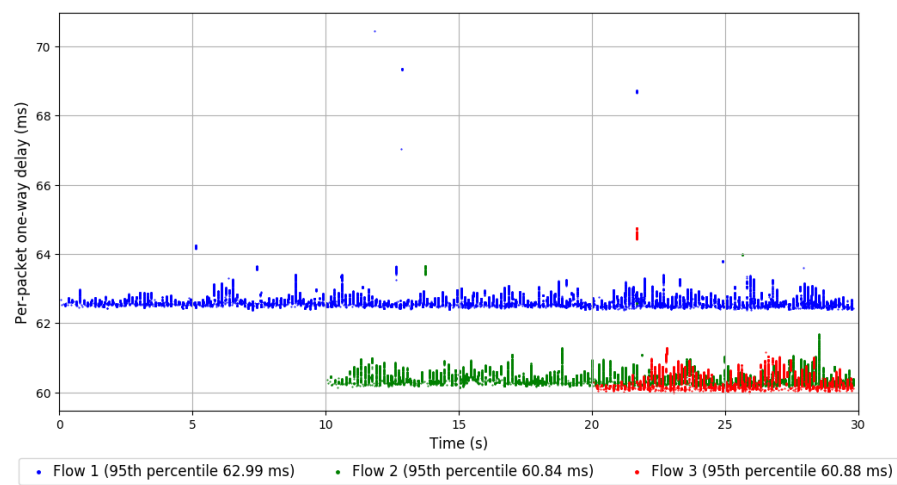
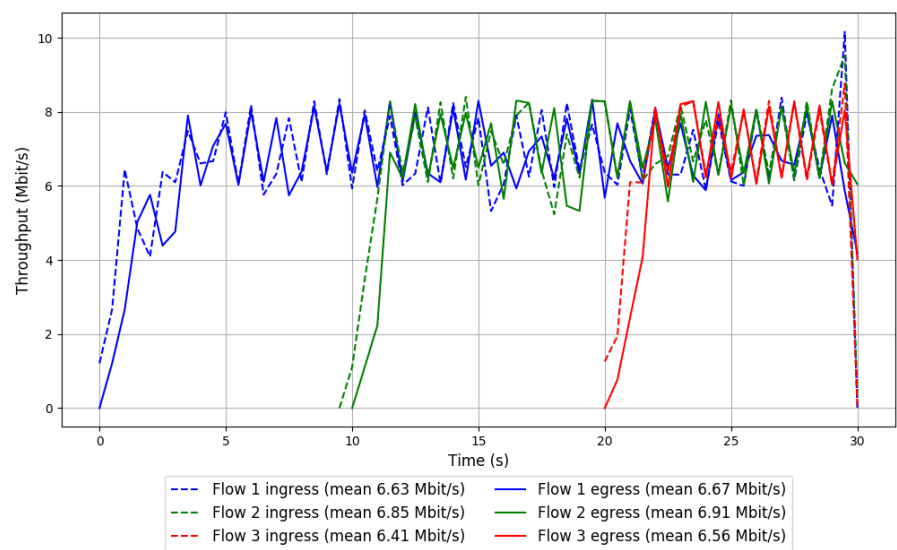


Run 4: Statistics of Sprout

Start at: 2019-07-12 16:14:10
End at: 2019-07-12 16:14:40
Local clock offset: -0.011 ms
Remote clock offset: -0.356 ms

```
# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 62.888 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 62.987 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 60.840 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 6.56 Mbit/s
95th percentile per-packet one-way delay: 60.882 ms
Loss rate: 3.59%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-07-12 16:55:34

End at: 2019-07-12 16:56:04

Local clock offset: -0.012 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2019-07-12 20:11:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.59 Mbit/s

95th percentile per-packet one-way delay: 63.605 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 6.88 Mbit/s

95th percentile per-packet one-way delay: 63.761 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 6.88 Mbit/s

95th percentile per-packet one-way delay: 60.685 ms

Loss rate: 0.76%

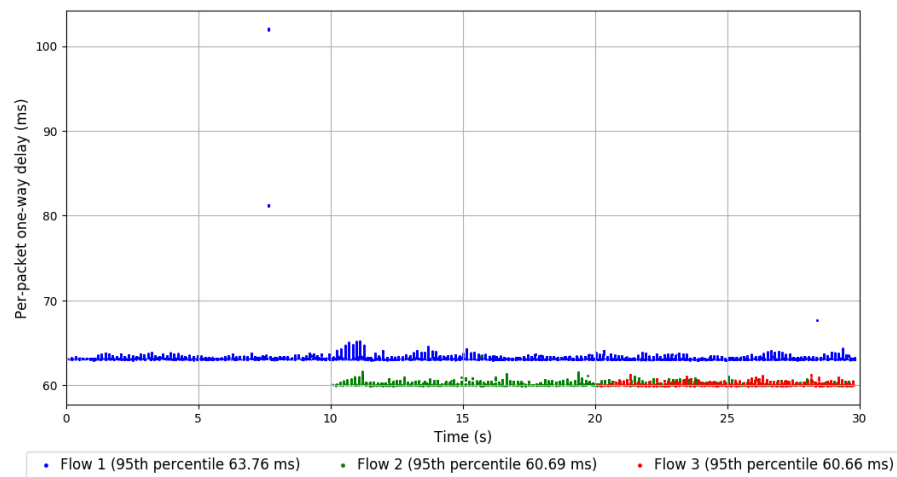
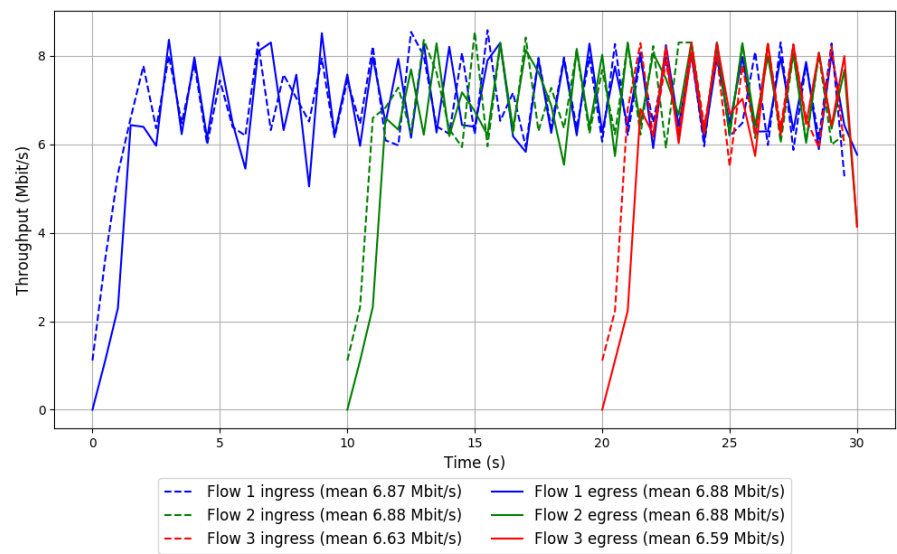
-- Flow 3:

Average throughput: 6.59 Mbit/s

95th percentile per-packet one-way delay: 60.661 ms

Loss rate: 1.58%

Run 5: Report of Sprout — Data Link

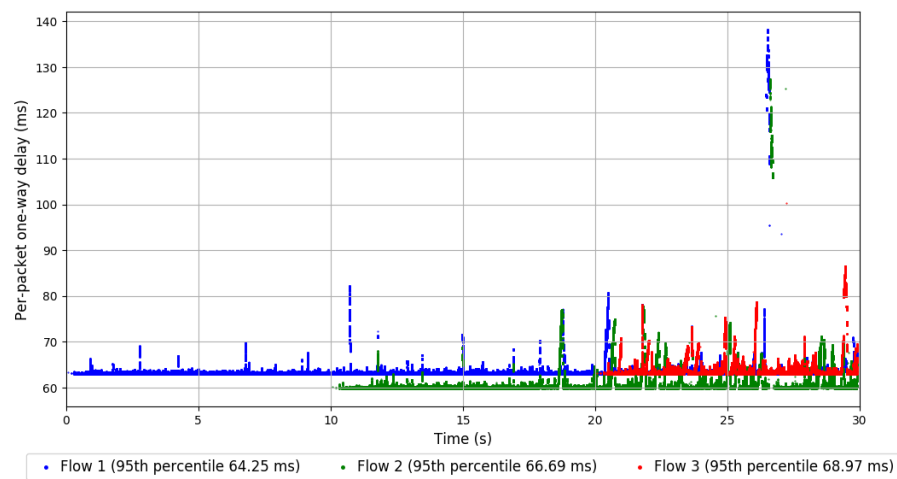
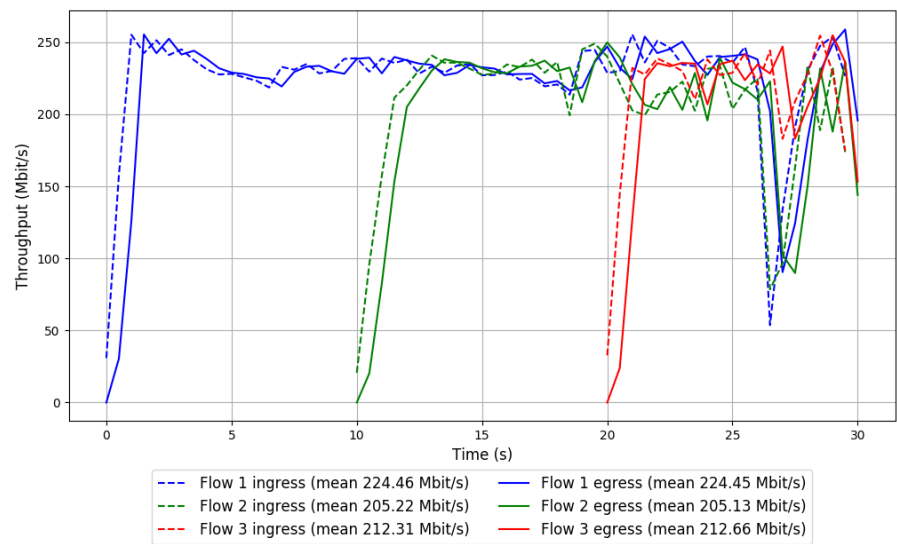


Run 1: Statistics of TaoVA-100x

Start at: 2019-07-12 14:00:31
End at: 2019-07-12 14:01:01
Local clock offset: -0.008 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2019-07-12 20:18:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 430.91 Mbit/s
95th percentile per-packet one-way delay: 65.661 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 224.45 Mbit/s
95th percentile per-packet one-way delay: 64.249 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 205.13 Mbit/s
95th percentile per-packet one-way delay: 66.695 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 212.66 Mbit/s
95th percentile per-packet one-way delay: 68.966 ms
Loss rate: 1.08%

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

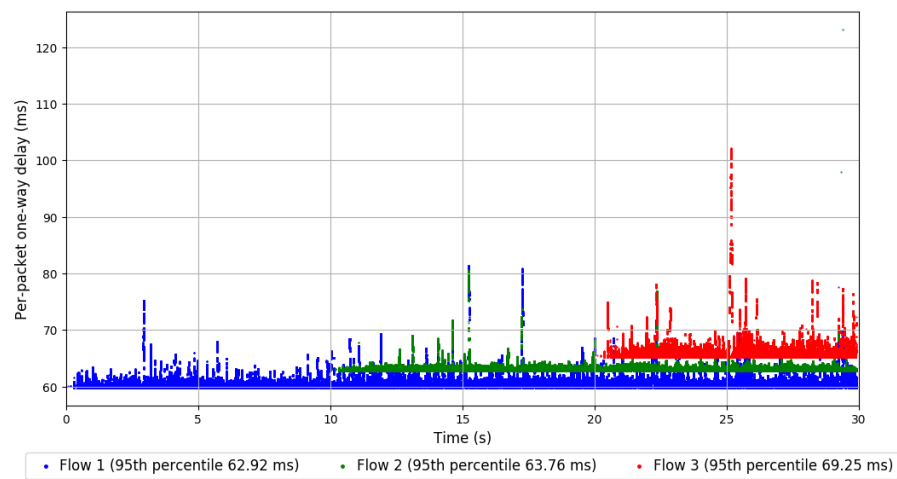
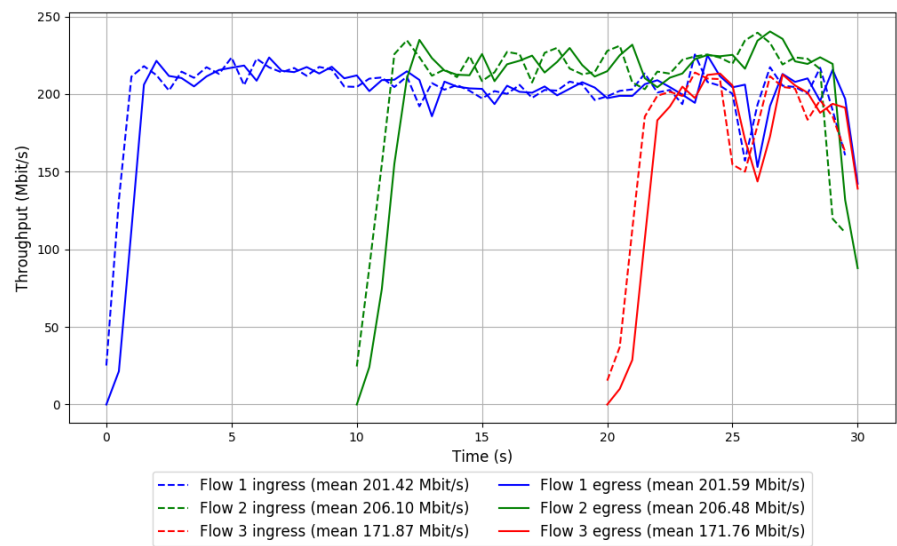


Run 2: Statistics of TaoVA-100x

Start at: 2019-07-12 14:41:33
End at: 2019-07-12 14:42:03
Local clock offset: -0.027 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2019-07-12 20:18:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 395.30 Mbit/s
95th percentile per-packet one-way delay: 66.111 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 201.59 Mbit/s
95th percentile per-packet one-way delay: 62.916 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 206.48 Mbit/s
95th percentile per-packet one-way delay: 63.756 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 171.76 Mbit/s
95th percentile per-packet one-way delay: 69.253 ms
Loss rate: 1.26%

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

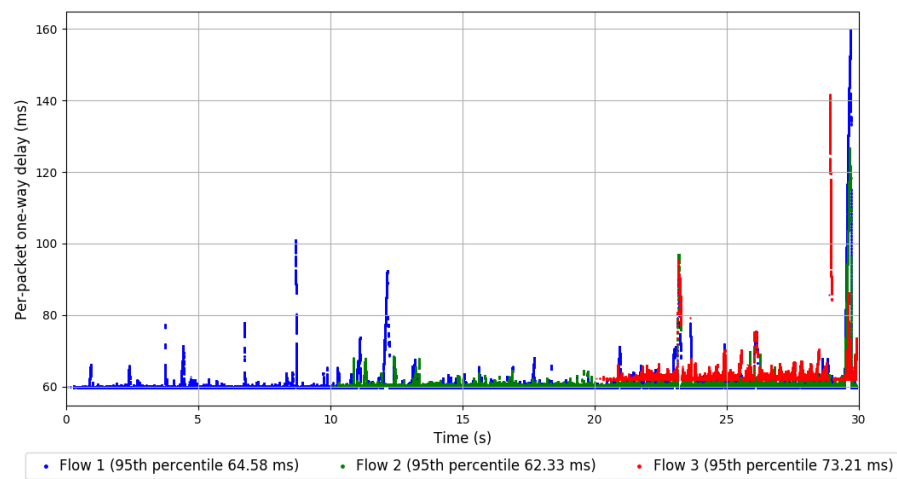
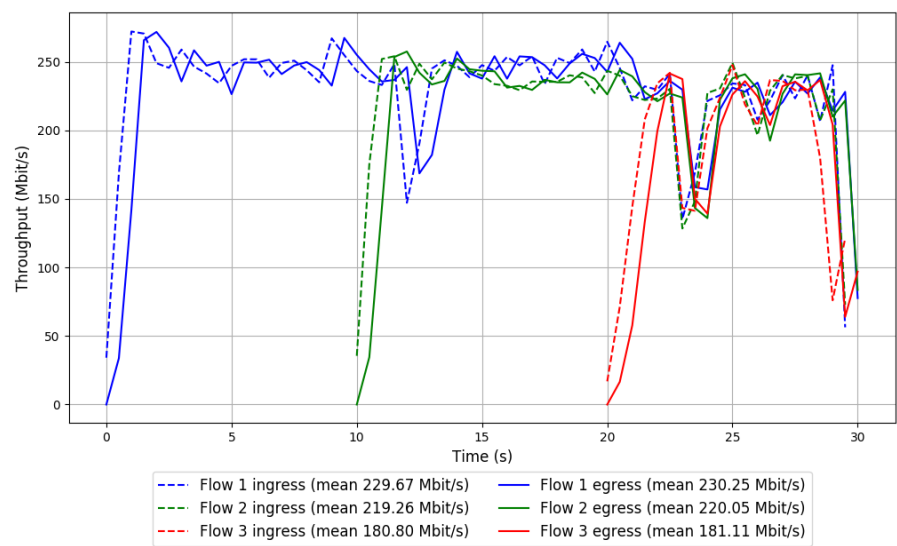


Run 3: Statistics of TaoVA-100x

Start at: 2019-07-12 15:22:33
End at: 2019-07-12 15:23:03
Local clock offset: 0.004 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2019-07-12 20:18:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 436.32 Mbit/s
95th percentile per-packet one-way delay: 65.106 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 230.25 Mbit/s
95th percentile per-packet one-way delay: 64.582 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 220.05 Mbit/s
95th percentile per-packet one-way delay: 62.330 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 181.11 Mbit/s
95th percentile per-packet one-way delay: 73.213 ms
Loss rate: 1.06%

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

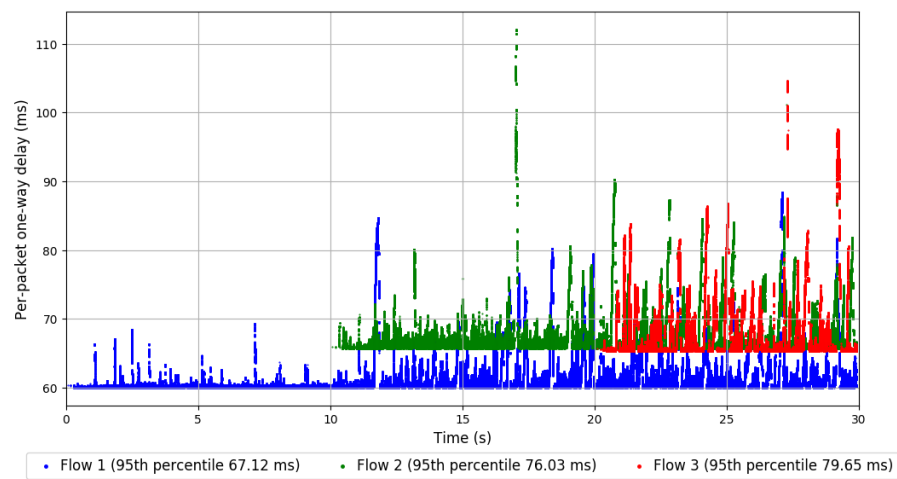
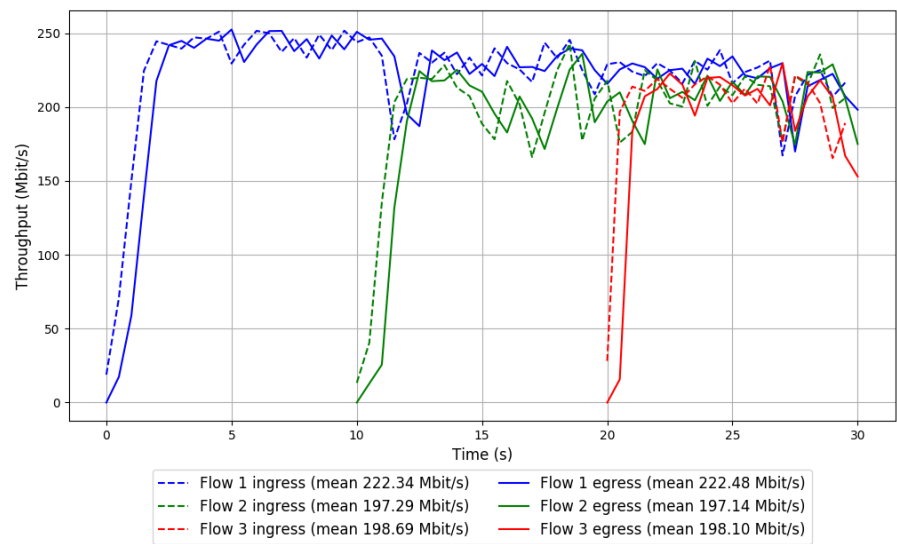


Run 4: Statistics of TaoVA-100x

Start at: 2019-07-12 16:03:55
End at: 2019-07-12 16:04:25
Local clock offset: 0.04 ms
Remote clock offset: -0.346 ms

Below is generated by plot.py at 2019-07-12 20:18:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 418.65 Mbit/s
95th percentile per-packet one-way delay: 73.528 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 222.48 Mbit/s
95th percentile per-packet one-way delay: 67.119 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 197.14 Mbit/s
95th percentile per-packet one-way delay: 76.028 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 198.10 Mbit/s
95th percentile per-packet one-way delay: 79.648 ms
Loss rate: 1.59%

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

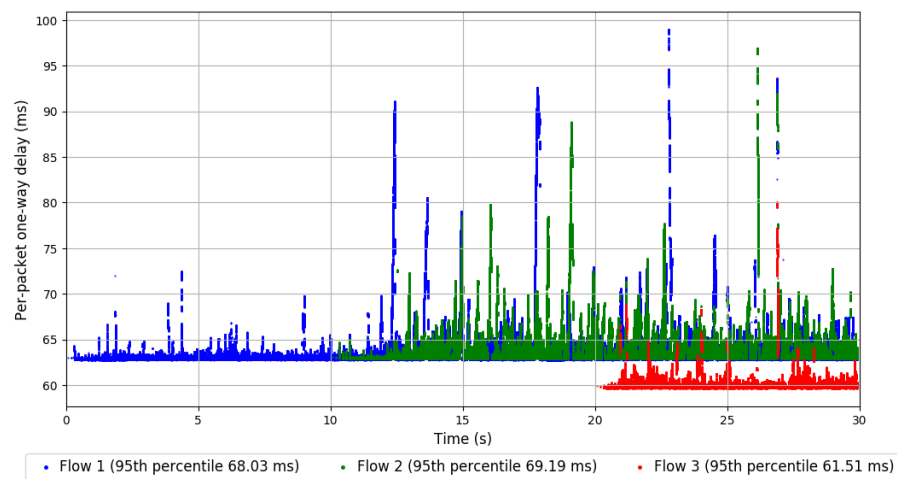
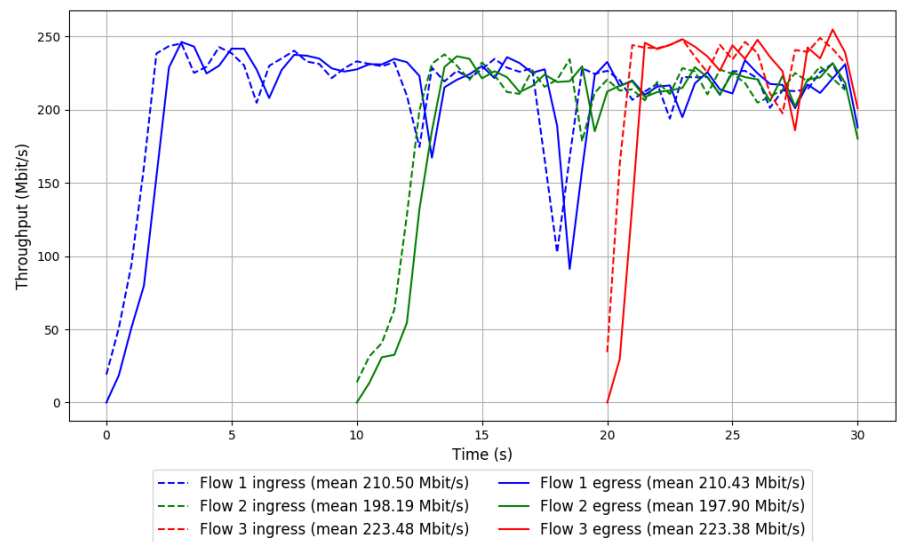


Run 5: Statistics of TaoVA-100x

Start at: 2019-07-12 16:45:19
End at: 2019-07-12 16:45:49
Local clock offset: -0.069 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2019-07-12 20:18:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 415.61 Mbit/s
95th percentile per-packet one-way delay: 68.036 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 210.43 Mbit/s
95th percentile per-packet one-way delay: 68.030 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 197.90 Mbit/s
95th percentile per-packet one-way delay: 69.185 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 223.38 Mbit/s
95th percentile per-packet one-way delay: 61.509 ms
Loss rate: 1.29%

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

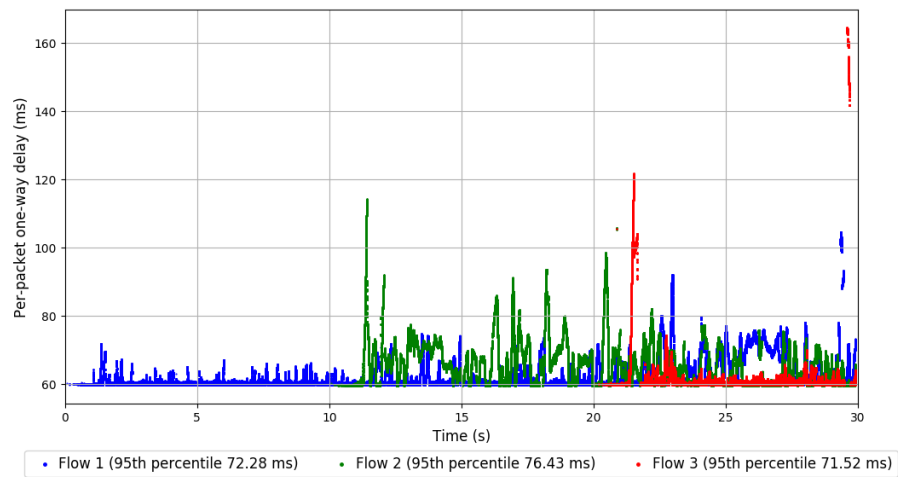
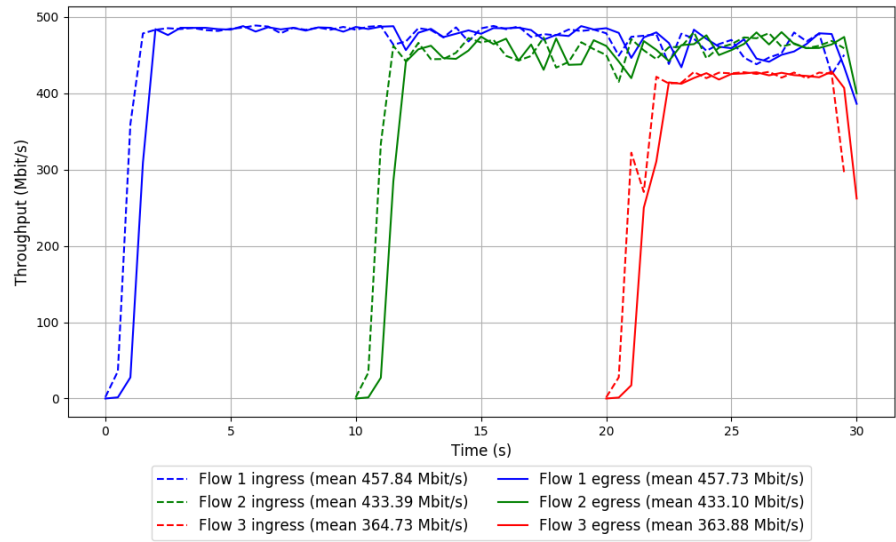


Run 1: Statistics of TCP Vegas

Start at: 2019-07-12 14:23:51
End at: 2019-07-12 14:24:21
Local clock offset: 0.009 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2019-07-12 20:19:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 865.61 Mbit/s
95th percentile per-packet one-way delay: 73.811 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 457.73 Mbit/s
95th percentile per-packet one-way delay: 72.276 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 433.10 Mbit/s
95th percentile per-packet one-way delay: 76.429 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 363.88 Mbit/s
95th percentile per-packet one-way delay: 71.524 ms
Loss rate: 1.42%

Run 1: Report of TCP Vegas — Data Link

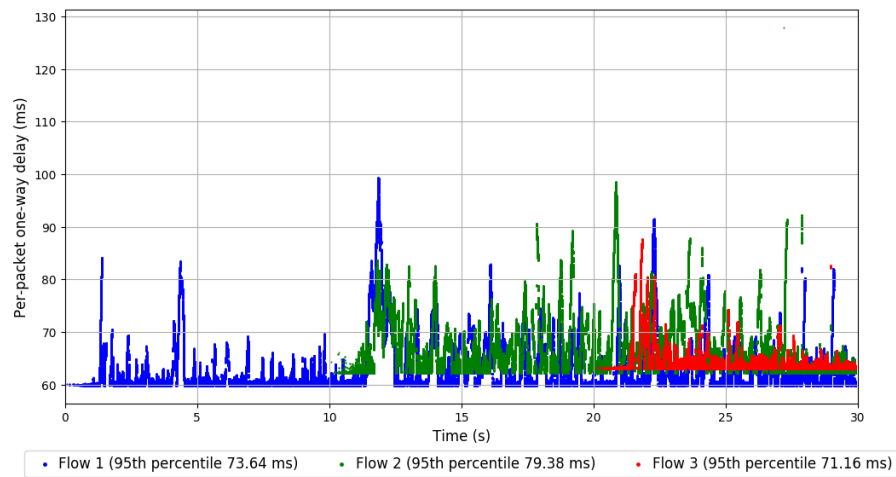
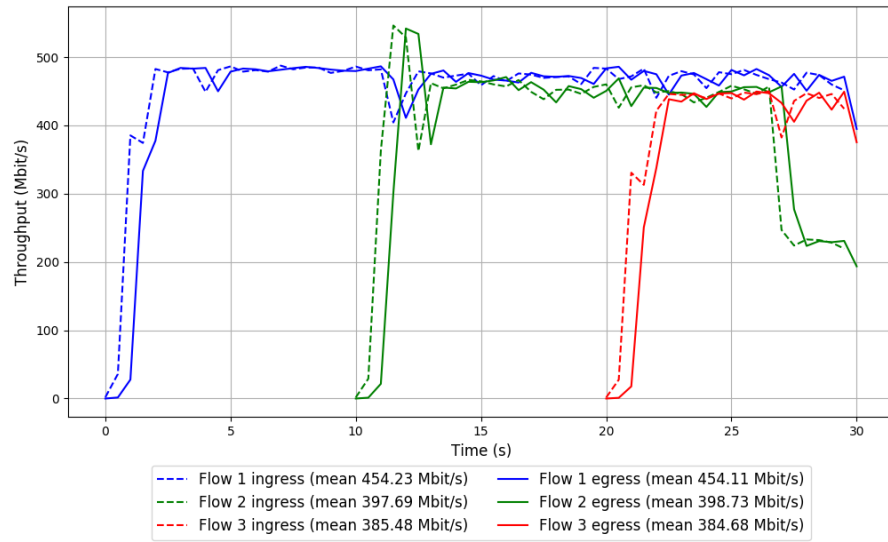


Run 2: Statistics of TCP Vegas

Start at: 2019-07-12 15:04:44
End at: 2019-07-12 15:05:14
Local clock offset: -0.016 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-07-12 20:27:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 845.80 Mbit/s
95th percentile per-packet one-way delay: 76.172 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 454.11 Mbit/s
95th percentile per-packet one-way delay: 73.639 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 398.73 Mbit/s
95th percentile per-packet one-way delay: 79.381 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 384.68 Mbit/s
95th percentile per-packet one-way delay: 71.163 ms
Loss rate: 1.45%

Run 2: Report of TCP Vegas — Data Link

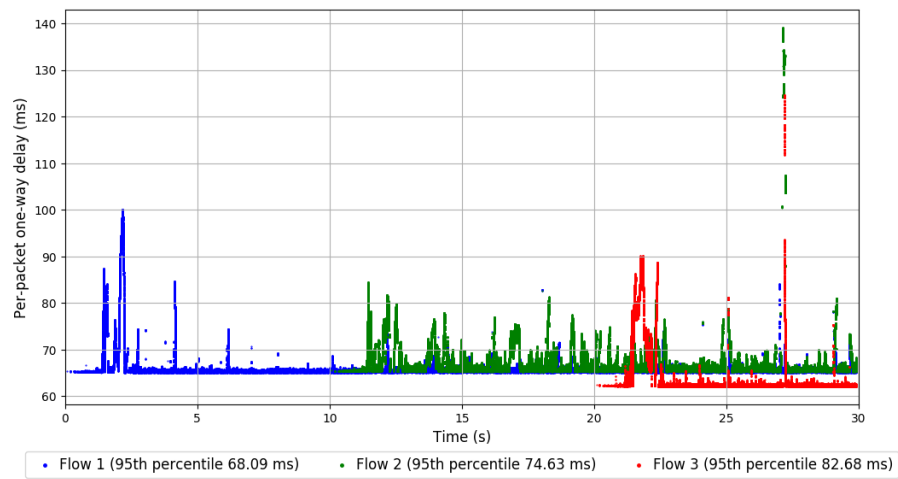
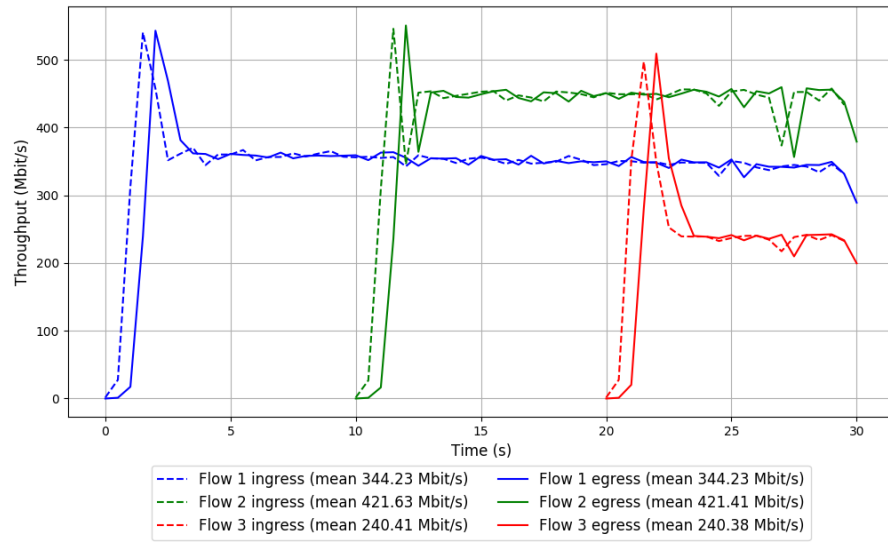


Run 3: Statistics of TCP Vegas

Start at: 2019-07-12 15:46:08
End at: 2019-07-12 15:46:38
Local clock offset: 0.037 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2019-07-12 20:27:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 703.50 Mbit/s
95th percentile per-packet one-way delay: 73.617 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 344.23 Mbit/s
95th percentile per-packet one-way delay: 68.090 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 421.41 Mbit/s
95th percentile per-packet one-way delay: 74.631 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 240.38 Mbit/s
95th percentile per-packet one-way delay: 82.679 ms
Loss rate: 1.24%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-07-12 16:27:31

End at: 2019-07-12 16:28:01

Local clock offset: -0.076 ms

Remote clock offset: -1.42 ms

Below is generated by plot.py at 2019-07-12 20:32:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 803.57 Mbit/s

95th percentile per-packet one-way delay: 103.278 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 413.63 Mbit/s

95th percentile per-packet one-way delay: 100.668 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 393.77 Mbit/s

95th percentile per-packet one-way delay: 85.410 ms

Loss rate: 0.37%

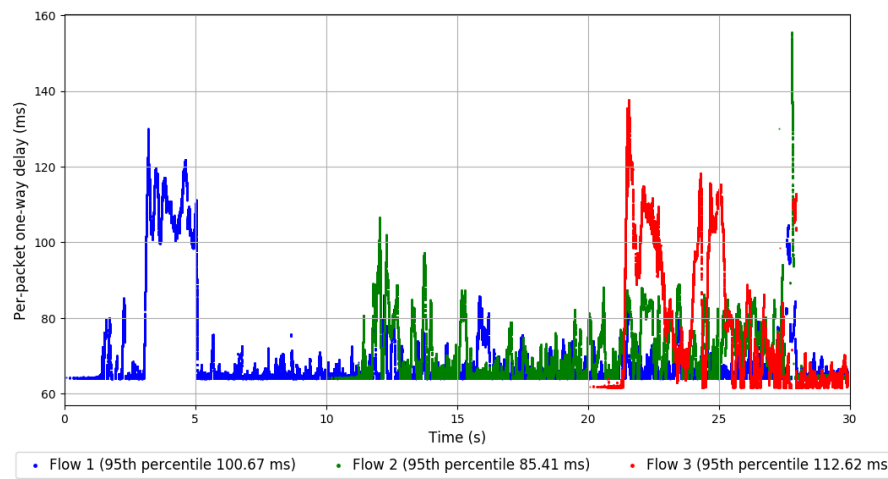
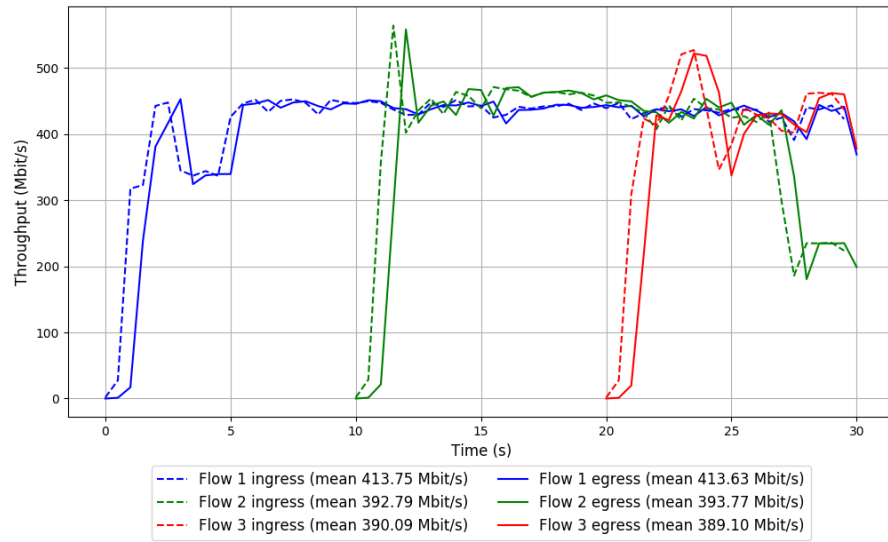
-- Flow 3:

Average throughput: 389.10 Mbit/s

95th percentile per-packet one-way delay: 112.617 ms

Loss rate: 1.49%

Run 4: Report of TCP Vegas — Data Link

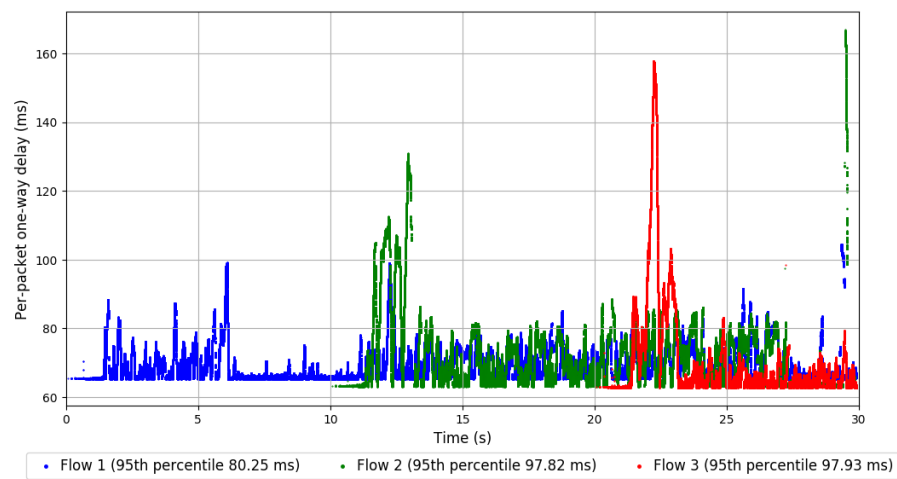
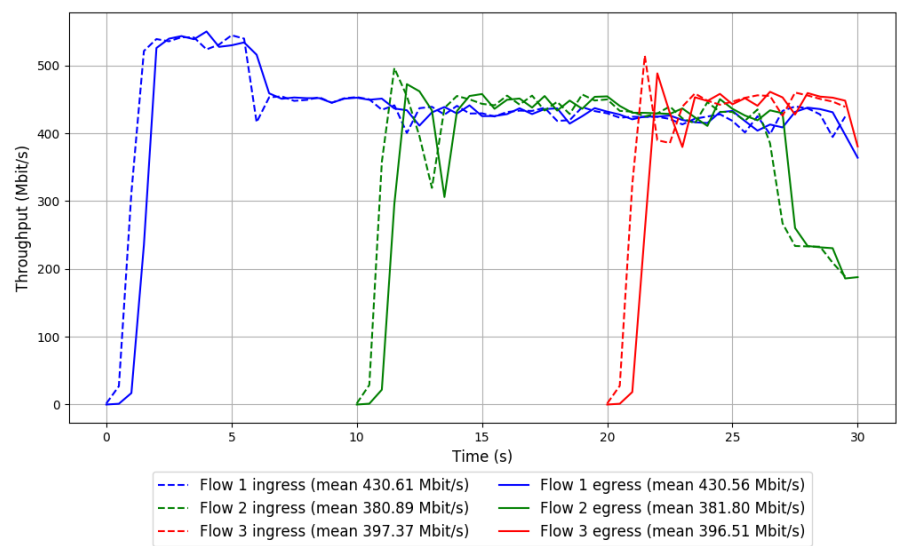


Run 5: Statistics of TCP Vegas

Start at: 2019-07-12 17:08:47
End at: 2019-07-12 17:09:17
Local clock offset: 0.015 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2019-07-12 20:33:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 815.10 Mbit/s
95th percentile per-packet one-way delay: 84.838 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 430.56 Mbit/s
95th percentile per-packet one-way delay: 80.252 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 381.80 Mbit/s
95th percentile per-packet one-way delay: 97.817 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 396.51 Mbit/s
95th percentile per-packet one-way delay: 97.927 ms
Loss rate: 1.47%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-07-12 14:11:50

End at: 2019-07-12 14:12:20

Local clock offset: -0.009 ms

Remote clock offset: 0.161 ms

Below is generated by plot.py at 2019-07-12 20:33:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 255.26 Mbit/s

95th percentile per-packet one-way delay: 150.265 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 144.47 Mbit/s

95th percentile per-packet one-way delay: 162.081 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 118.68 Mbit/s

95th percentile per-packet one-way delay: 139.837 ms

Loss rate: 0.29%

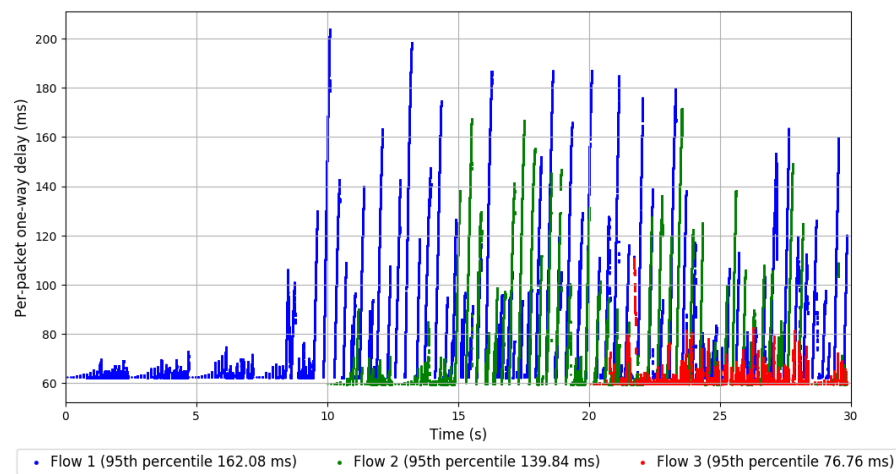
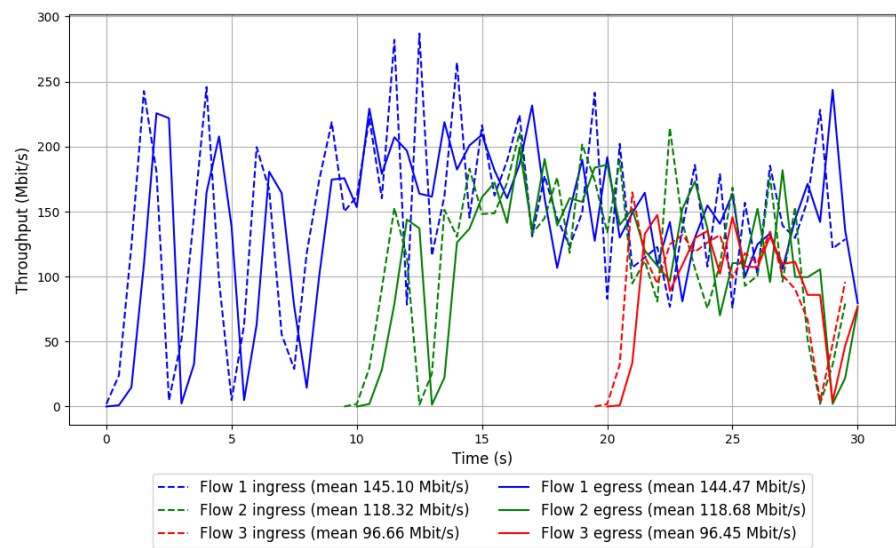
-- Flow 3:

Average throughput: 96.45 Mbit/s

95th percentile per-packet one-way delay: 76.756 ms

Loss rate: 1.06%

Run 1: Report of Verus — Data Link

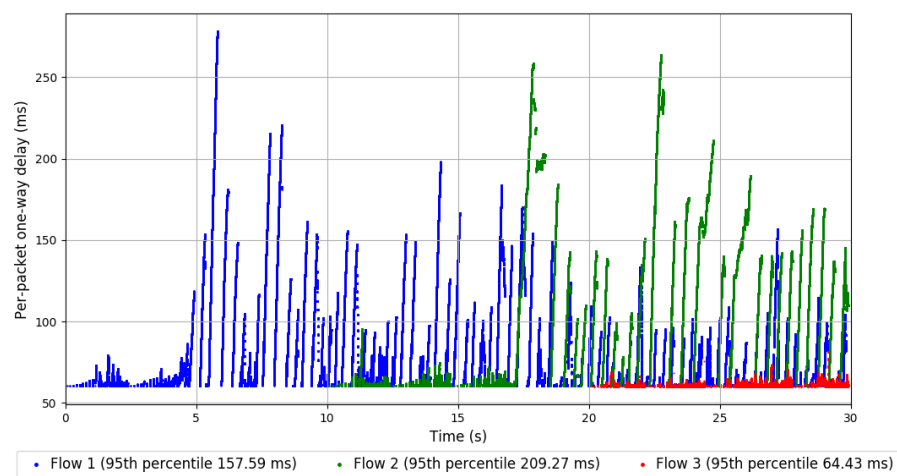
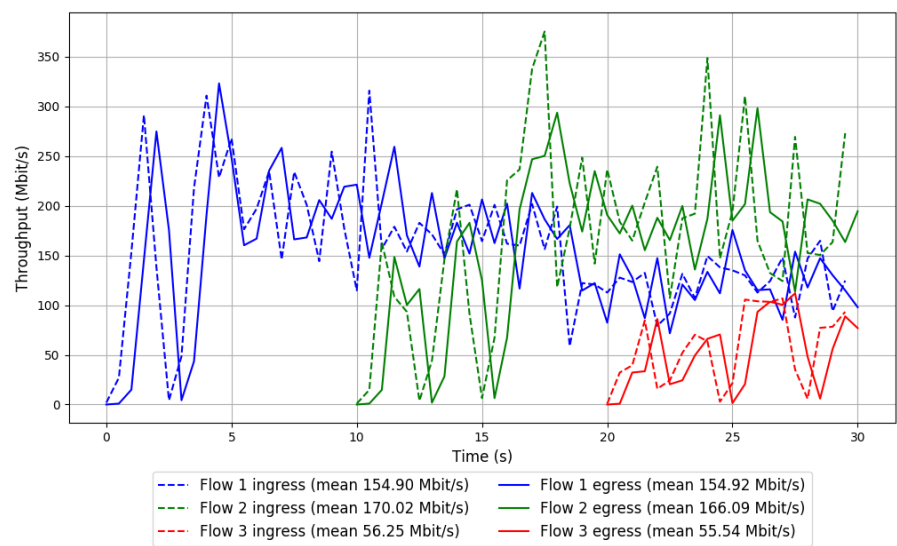


Run 2: Statistics of Verus

Start at: 2019-07-12 14:52:42
End at: 2019-07-12 14:53:12
Local clock offset: -0.059 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2019-07-12 20:33:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.07 Mbit/s
95th percentile per-packet one-way delay: 190.350 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 154.92 Mbit/s
95th percentile per-packet one-way delay: 157.588 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 166.09 Mbit/s
95th percentile per-packet one-way delay: 209.270 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 64.430 ms
Loss rate: 2.43%

Run 2: Report of Verus — Data Link

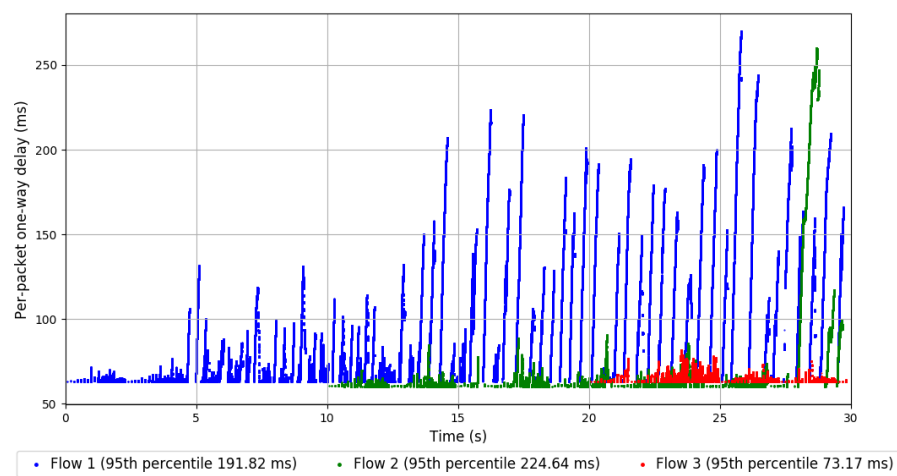
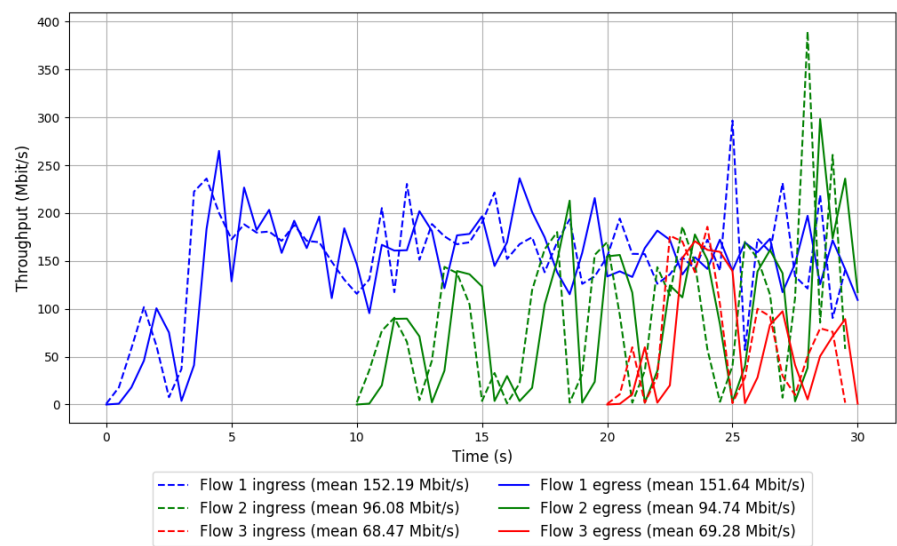


Run 3: Statistics of Verus

Start at: 2019-07-12 15:34:02
End at: 2019-07-12 15:34:32
Local clock offset: 0.016 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2019-07-12 20:33:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 236.41 Mbit/s
95th percentile per-packet one-way delay: 191.369 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 151.64 Mbit/s
95th percentile per-packet one-way delay: 191.825 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 224.639 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 69.28 Mbit/s
95th percentile per-packet one-way delay: 73.174 ms
Loss rate: 0.07%

Run 3: Report of Verus — Data Link

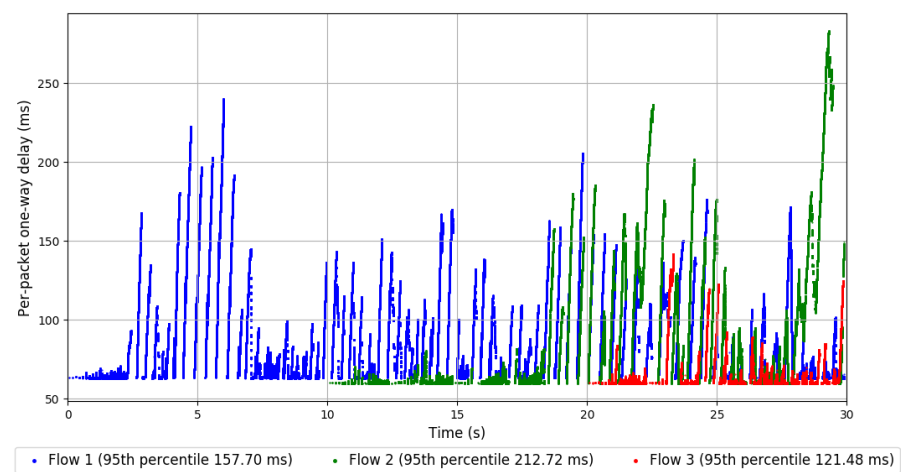
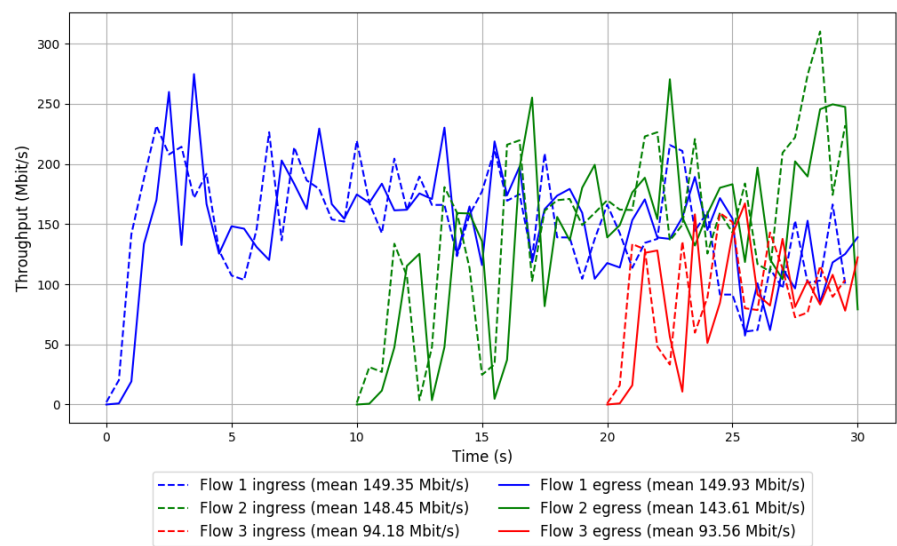


Run 4: Statistics of Verus

Start at: 2019-07-12 16:15:24
End at: 2019-07-12 16:15:54
Local clock offset: 0.027 ms
Remote clock offset: -0.198 ms

```
# Below is generated by plot.py at 2019-07-12 20:33:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 275.99 Mbit/s
95th percentile per-packet one-way delay: 171.511 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 149.93 Mbit/s
95th percentile per-packet one-way delay: 157.703 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 143.61 Mbit/s
95th percentile per-packet one-way delay: 212.716 ms
Loss rate: 3.86%
-- Flow 3:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 121.479 ms
Loss rate: 0.00%
```

Run 4: Report of Verus — Data Link

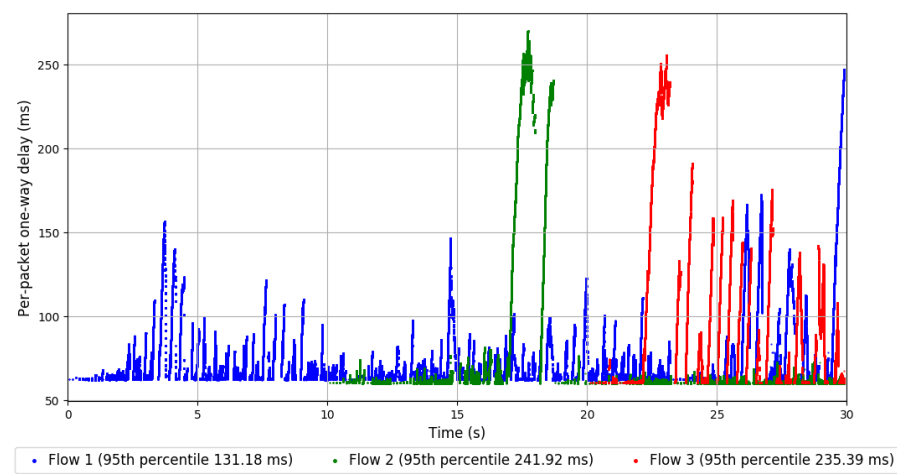
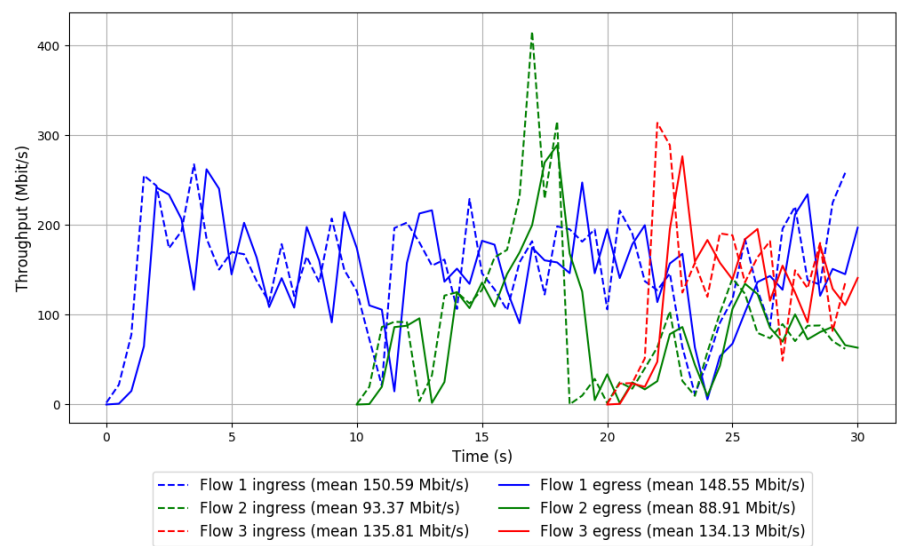


Run 5: Statistics of Verus

Start at: 2019-07-12 16:56:48
End at: 2019-07-12 16:57:18
Local clock offset: 0.022 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2019-07-12 20:34:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.58 Mbit/s
95th percentile per-packet one-way delay: 221.883 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 148.55 Mbit/s
95th percentile per-packet one-way delay: 131.179 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: 241.920 ms
Loss rate: 5.22%
-- Flow 3:
Average throughput: 134.13 Mbit/s
95th percentile per-packet one-way delay: 235.392 ms
Loss rate: 2.35%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-07-12 14:04:11

End at: 2019-07-12 14:04:41

Local clock offset: -0.006 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2019-07-12 20:34:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 398.12 Mbit/s

95th percentile per-packet one-way delay: 71.855 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 170.99 Mbit/s

95th percentile per-packet one-way delay: 61.355 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 267.51 Mbit/s

95th percentile per-packet one-way delay: 133.733 ms

Loss rate: 0.61%

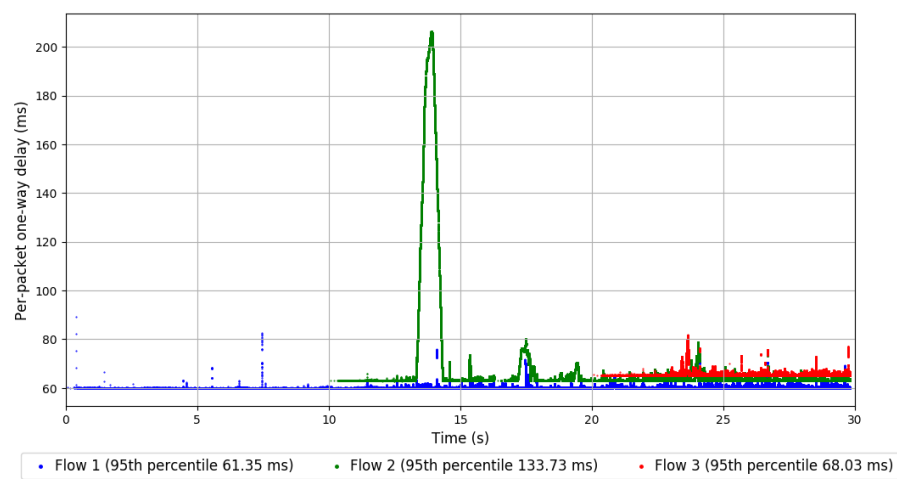
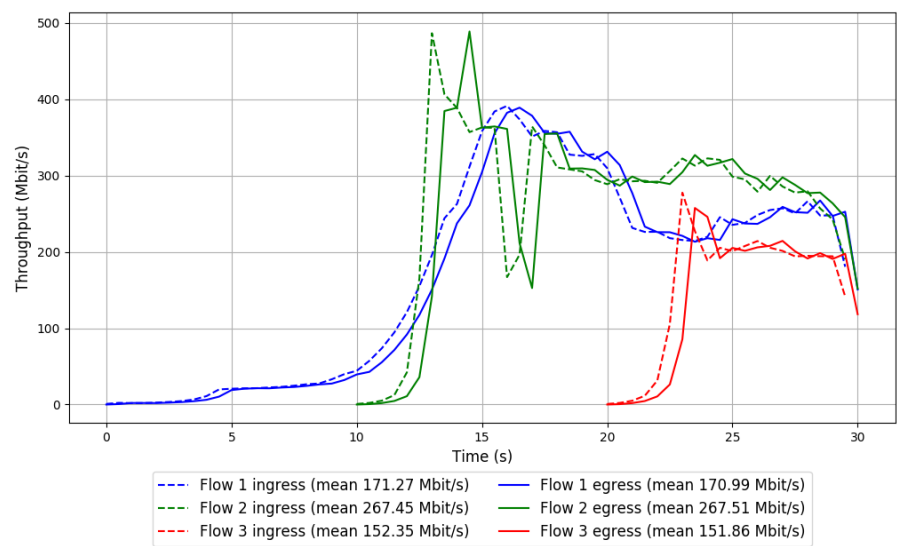
-- Flow 3:

Average throughput: 151.86 Mbit/s

95th percentile per-packet one-way delay: 68.028 ms

Loss rate: 1.59%

Run 1: Report of PCC-Vivace — Data Link

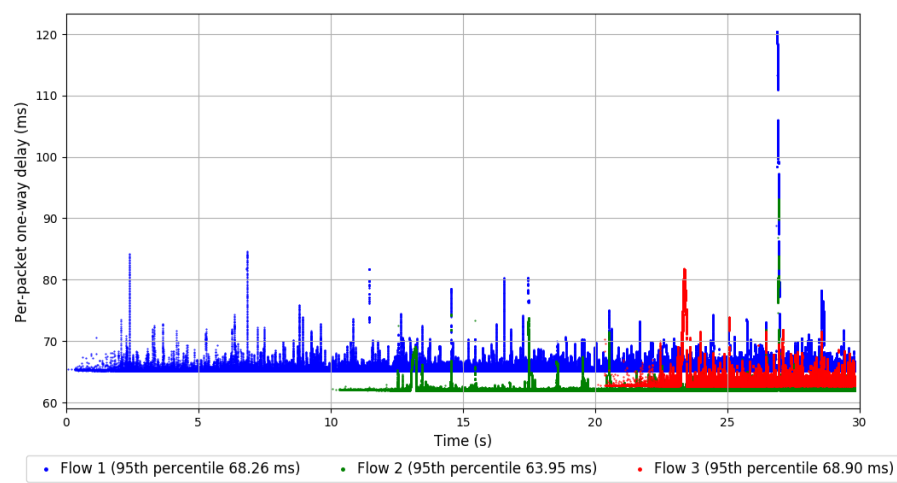
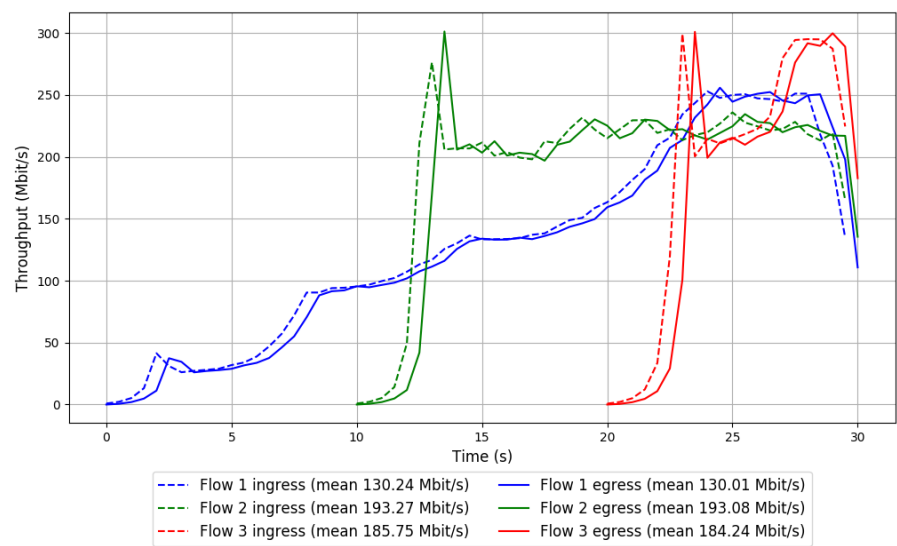


Run 2: Statistics of PCC-Vivace

Start at: 2019-07-12 14:45:09
End at: 2019-07-12 14:45:39
Local clock offset: -0.065 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2019-07-12 20:34:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 318.41 Mbit/s
95th percentile per-packet one-way delay: 67.552 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 130.01 Mbit/s
95th percentile per-packet one-way delay: 68.264 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 193.08 Mbit/s
95th percentile per-packet one-way delay: 63.955 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 184.24 Mbit/s
95th percentile per-packet one-way delay: 68.904 ms
Loss rate: 2.06%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-07-12 15:26:14

End at: 2019-07-12 15:26:44

Local clock offset: -0.022 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2019-07-12 20:35:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 485.18 Mbit/s

95th percentile per-packet one-way delay: 67.820 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 279.54 Mbit/s

95th percentile per-packet one-way delay: 67.582 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 239.75 Mbit/s

95th percentile per-packet one-way delay: 69.269 ms

Loss rate: 0.83%

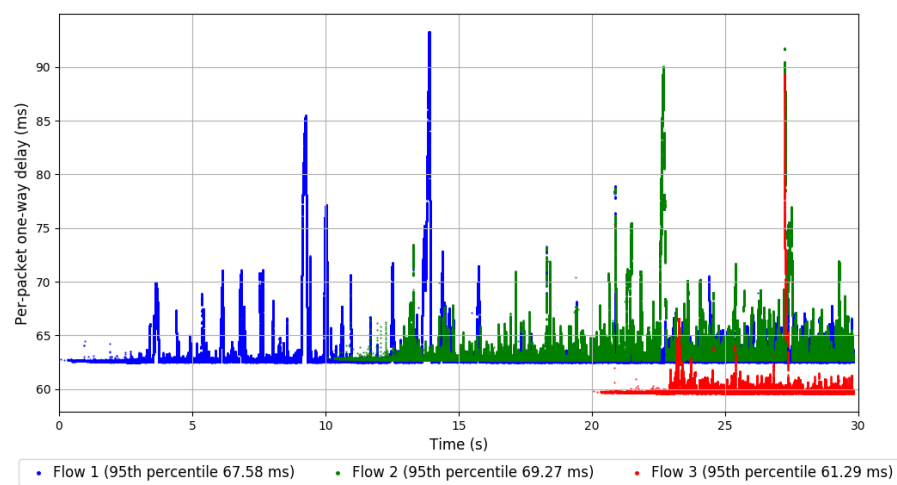
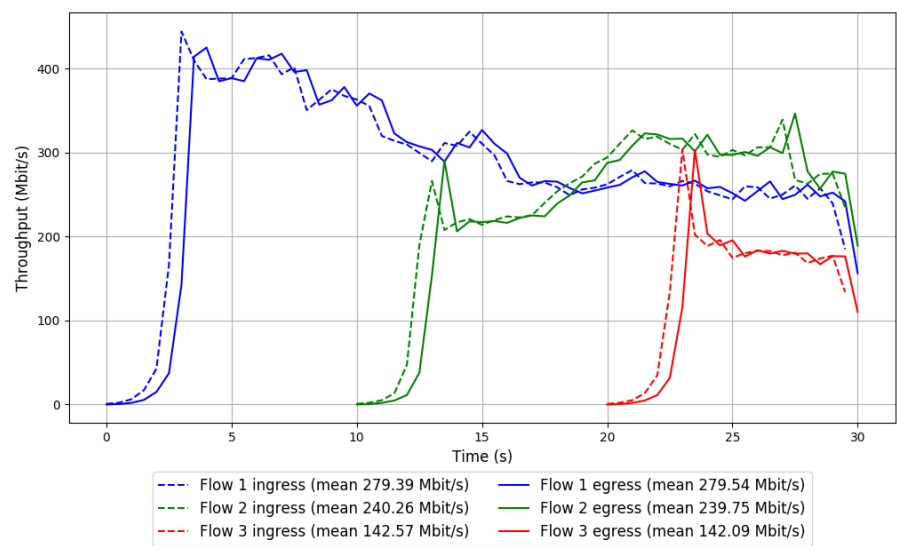
-- Flow 3:

Average throughput: 142.09 Mbit/s

95th percentile per-packet one-way delay: 61.291 ms

Loss rate: 1.55%

Run 3: Report of PCC-Vivace — Data Link

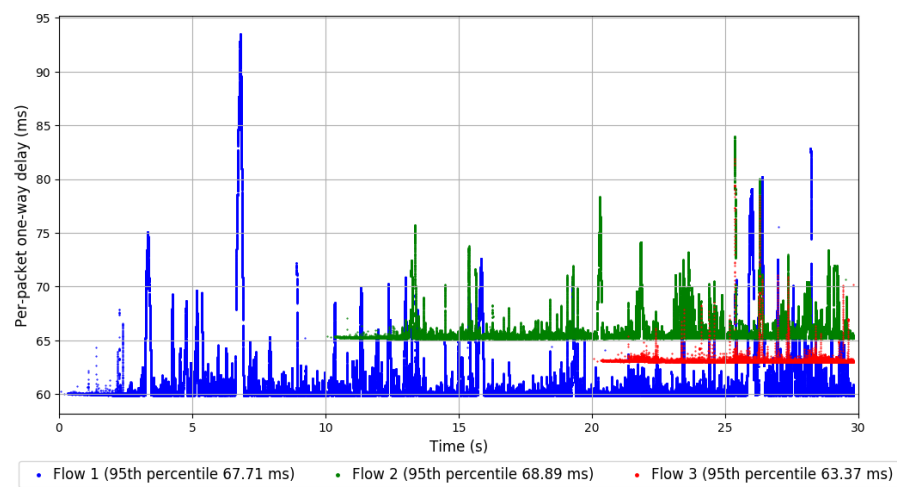
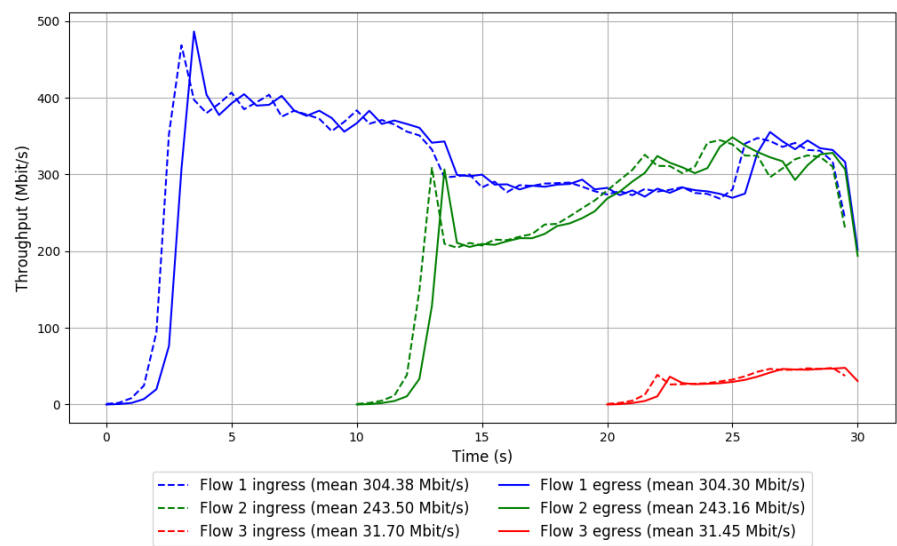


Run 4: Statistics of PCC-Vivace

Start at: 2019-07-12 16:07:36
End at: 2019-07-12 16:08:06
Local clock offset: 0.053 ms
Remote clock offset: -0.208 ms

```
# Below is generated by plot.py at 2019-07-12 20:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 475.81 Mbit/s
95th percentile per-packet one-way delay: 68.354 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 304.30 Mbit/s
95th percentile per-packet one-way delay: 67.713 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 243.16 Mbit/s
95th percentile per-packet one-way delay: 68.885 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: 63.367 ms
Loss rate: 2.00%
```

Run 4: Report of PCC-Vivace — Data Link

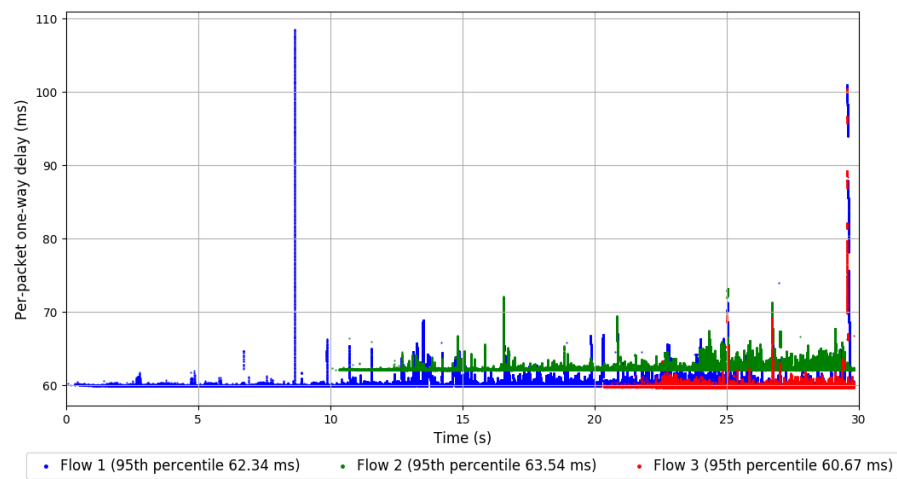
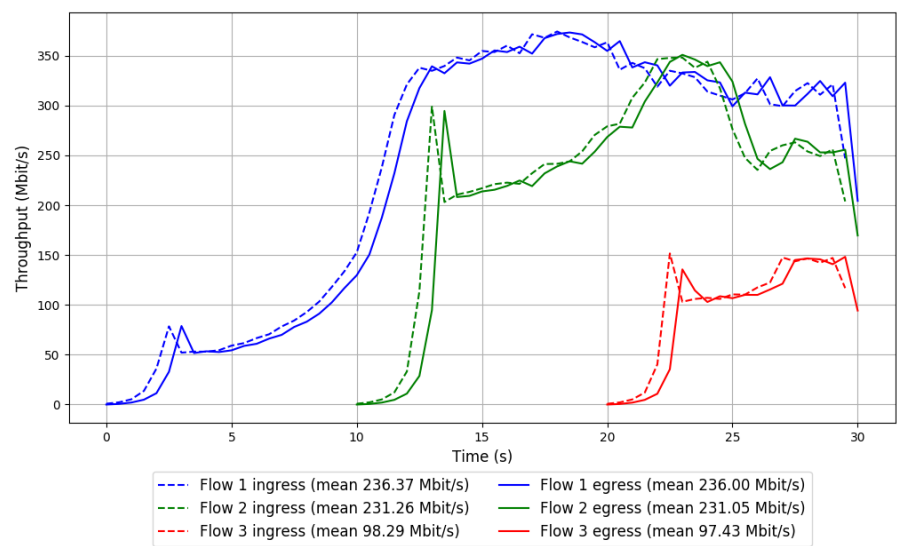


Run 5: Statistics of PCC-Vivace

Start at: 2019-07-12 16:49:03
End at: 2019-07-12 16:49:33
Local clock offset: -0.05 ms
Remote clock offset: -0.208 ms

```
# Below is generated by plot.py at 2019-07-12 20:35:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.17 Mbit/s
95th percentile per-packet one-way delay: 63.065 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 236.00 Mbit/s
95th percentile per-packet one-way delay: 62.339 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 231.05 Mbit/s
95th percentile per-packet one-way delay: 63.539 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 60.668 ms
Loss rate: 2.05%
```

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-07-12 14:07:36

End at: 2019-07-12 14:08:06

Local clock offset: 0.016 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2019-07-12 20:35:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 63.049 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.691 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 60.022 ms

Loss rate: 0.00%

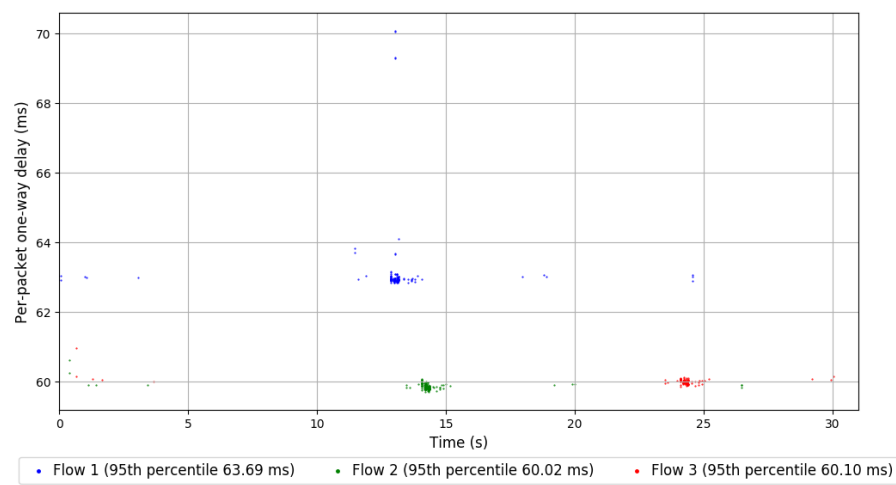
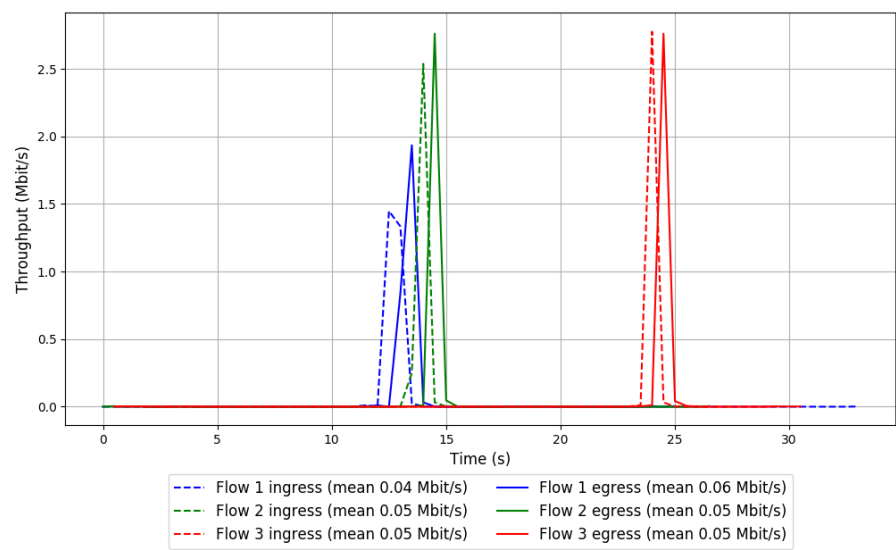
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 60.098 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

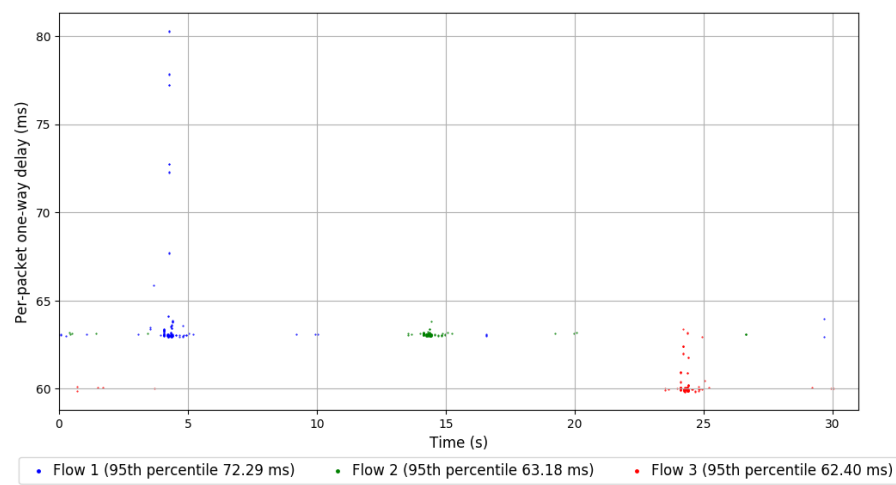
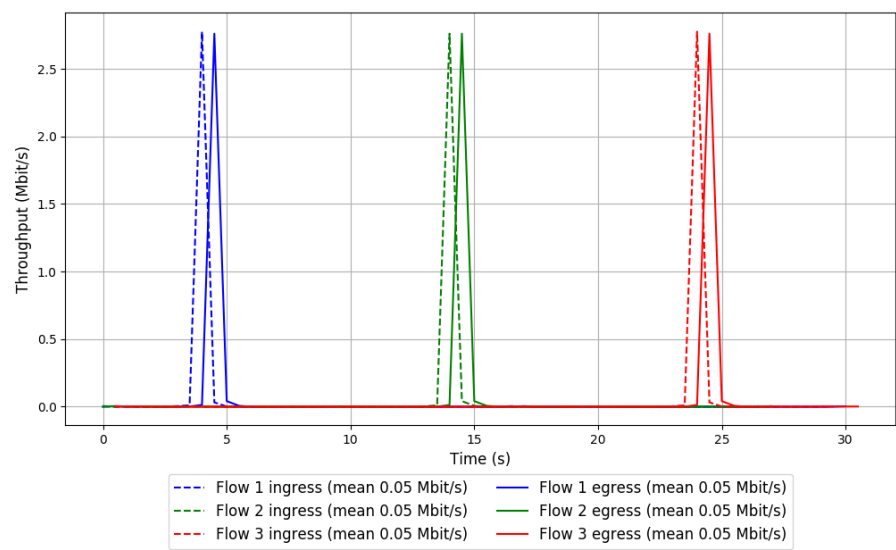


Run 2: Statistics of WebRTC media

Start at: 2019-07-12 14:48:29
End at: 2019-07-12 14:48:59
Local clock offset: -0.067 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2019-07-12 20:35:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 63.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 72.293 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.181 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.395 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

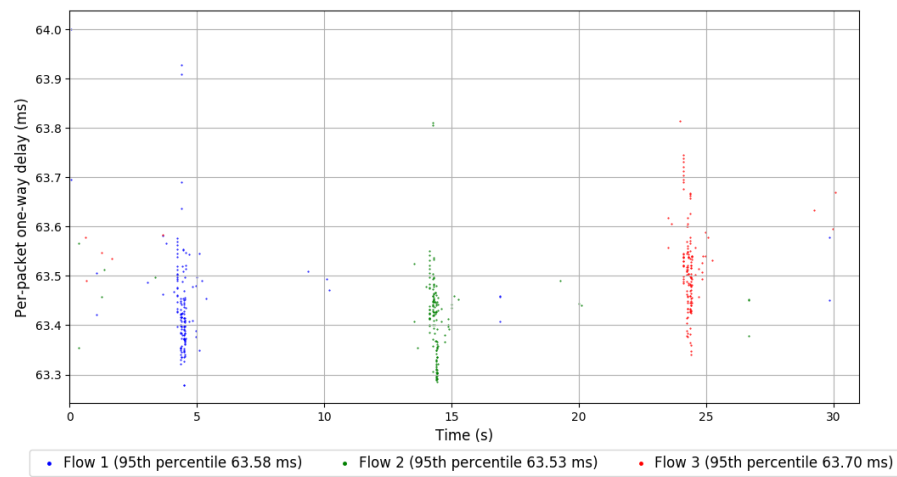
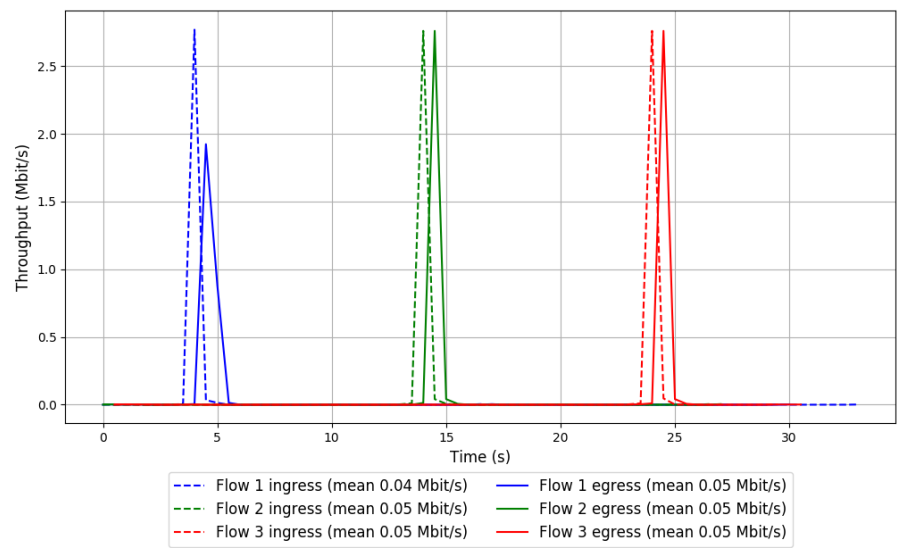


Run 3: Statistics of WebRTC media

Start at: 2019-07-12 15:29:48
End at: 2019-07-12 15:30:18
Local clock offset: -0.009 ms
Remote clock offset: -0.537 ms

Below is generated by plot.py at 2019-07-12 20:35:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 63.637 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.577 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.531 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.696 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

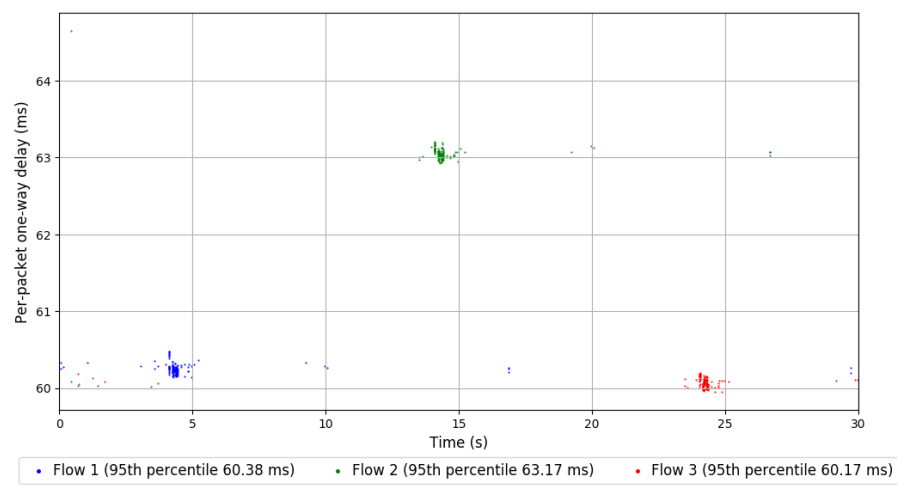
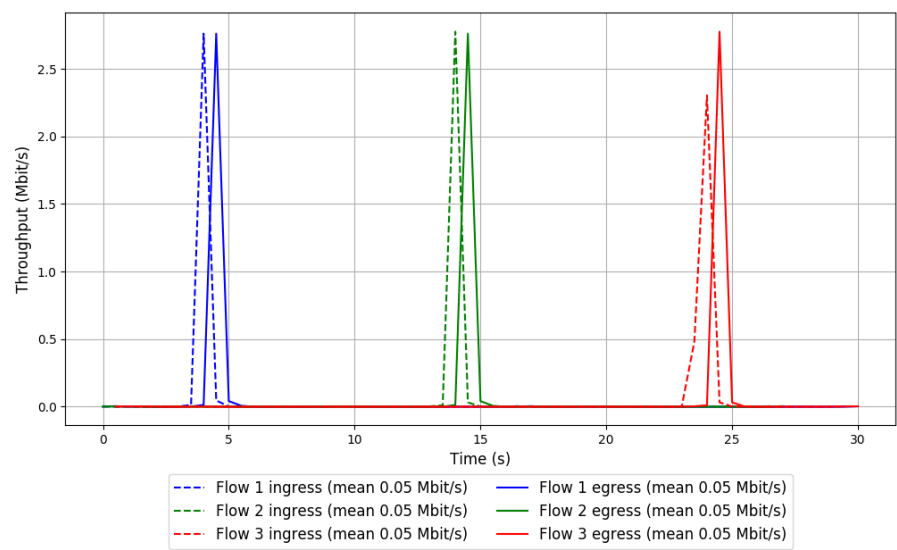


Run 4: Statistics of WebRTC media

Start at: 2019-07-12 16:11:10
End at: 2019-07-12 16:11:40
Local clock offset: 0.048 ms
Remote clock offset: -0.275 ms

Below is generated by plot.py at 2019-07-12 20:35:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 63.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.383 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.171 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.175 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-07-12 16:52:33

End at: 2019-07-12 16:53:03

Local clock offset: -0.025 ms

Remote clock offset: 0.37 ms

Below is generated by plot.py at 2019-07-12 20:35:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 65.202 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 60.684 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 65.943 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 62.444 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

