

Pantheon Report

Generated at 2019-07-19 03:33:16 (UTC).

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

Repeated the test of 24 congestion control schemes 5 times.

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

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

System info:

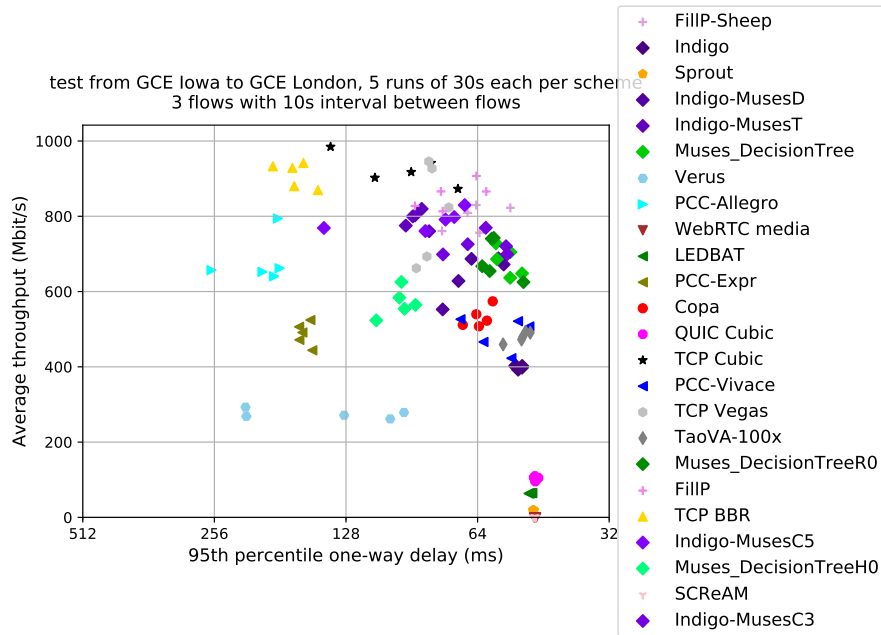
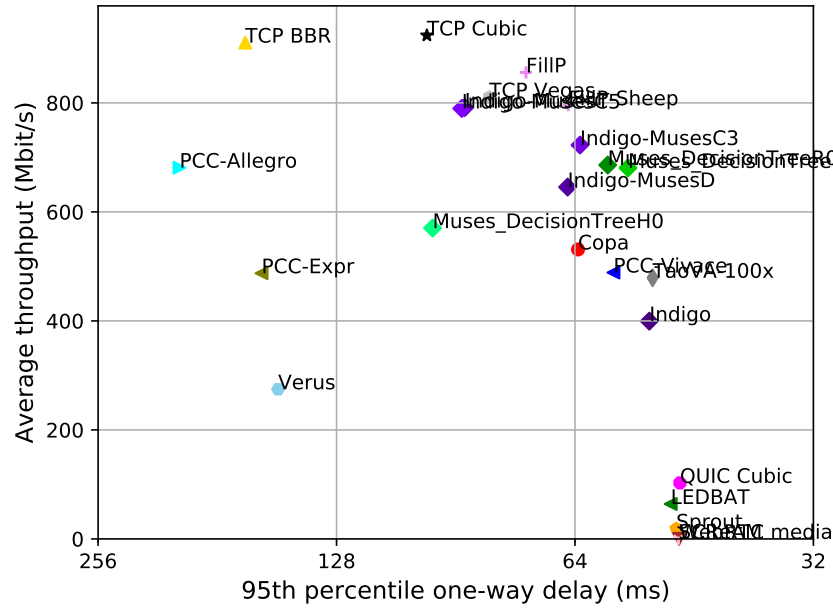
```
Linux 4.15.0-1036-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

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

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

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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	477.22	447.69	411.84	159.71	162.40	154.73	0.74	1.29	1.66
Copa	5	284.59	258.30	226.46	60.95	66.88	60.05	0.32	0.46	1.13
TCP Cubic	5	493.95	442.67	410.13	93.12	83.38	112.65	0.27	0.49	1.12
FillP	5	536.25	346.65	271.99	82.27	53.18	49.65	0.23	0.42	1.12
FillP-Sheep	5	498.06	321.79	255.13	71.00	51.78	53.39	0.21	0.38	1.02
Indigo	5	212.42	197.70	171.04	52.21	50.33	50.15	0.32	0.49	1.08
Indigo-MusesC3	5	435.36	361.01	227.97	65.83	55.70	49.66	0.21	0.42	2.25
Indigo-MusesC5	5	482.37	408.85	177.39	81.98	91.89	50.48	0.31	0.54	1.20
Indigo-MusesD	5	407.90	280.02	241.91	69.42	51.94	49.42	0.23	0.34	1.79
Indigo-MusesT	5	474.70	400.13	238.86	94.76	66.95	53.55	0.23	0.44	1.55
LEDBAT	5	41.35	27.52	13.70	48.49	48.41	47.74	0.62	0.95	1.92
Muses_DecisionTree	5	393.20	324.67	230.70	55.94	54.09	49.65	0.18	0.44	1.35
Muses_DecisionTreeH0	5	291.08	312.30	233.26	103.67	82.46	58.70	0.43	0.37	1.63
Muses_DecisionTreeR0	5	377.17	346.39	254.75	58.42	56.93	52.56	0.16	0.38	1.17
PCC-Allegro	5	374.87	330.80	265.16	203.17	198.01	126.54	4.20	3.68	2.52
PCC-Expr	5	271.08	254.59	144.56	155.48	145.73	87.90	2.84	2.63	3.37
QUIC Cubic	5	58.91	48.24	34.61	47.18	47.12	47.11	0.48	0.64	0.62
SCReAM	5	0.22	0.22	0.22	47.22	47.35	47.14	0.28	0.53	1.02
Sprout	5	9.63	9.60	9.29	47.74	47.45	47.34	0.35	0.43	1.04
TaoVA-100x	5	245.40	241.29	222.13	51.02	51.03	51.46	0.30	0.43	1.12
TCP Vegas	5	391.84	409.58	442.08	70.19	76.99	83.03	0.25	0.44	1.15
Verus	5	154.99	121.14	119.80	152.10	79.63	112.88	1.19	0.51	4.05
PCC-Vivace	5	310.43	234.55	68.94	51.52	67.50	48.52	0.26	0.51	1.64
WebRTC media	5	0.05	0.05	0.05	47.21	47.16	46.97	0.01	0.01	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-07-18 21:31:16

End at: 2019-07-18 21:31:46

Local clock offset: -0.064 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-07-19 00:54:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 932.89 Mbit/s

95th percentile per-packet one-way delay: 188.091 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 507.69 Mbit/s

95th percentile per-packet one-way delay: 164.066 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 449.44 Mbit/s

95th percentile per-packet one-way delay: 214.395 ms

Loss rate: 2.40%

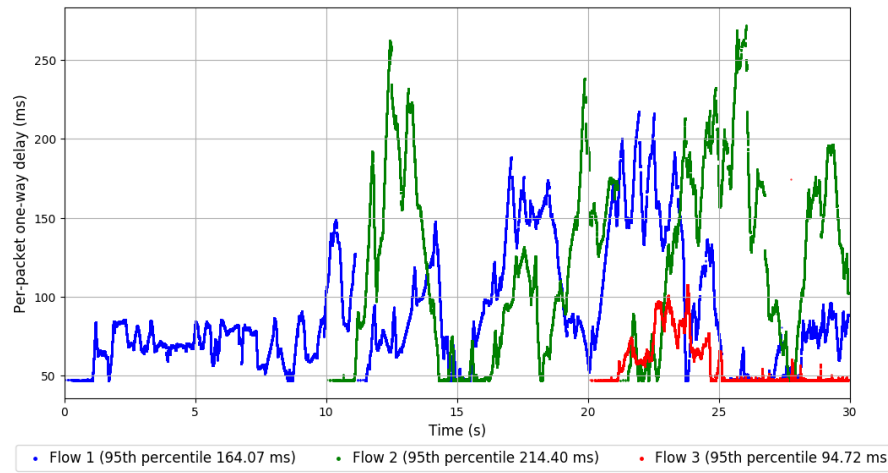
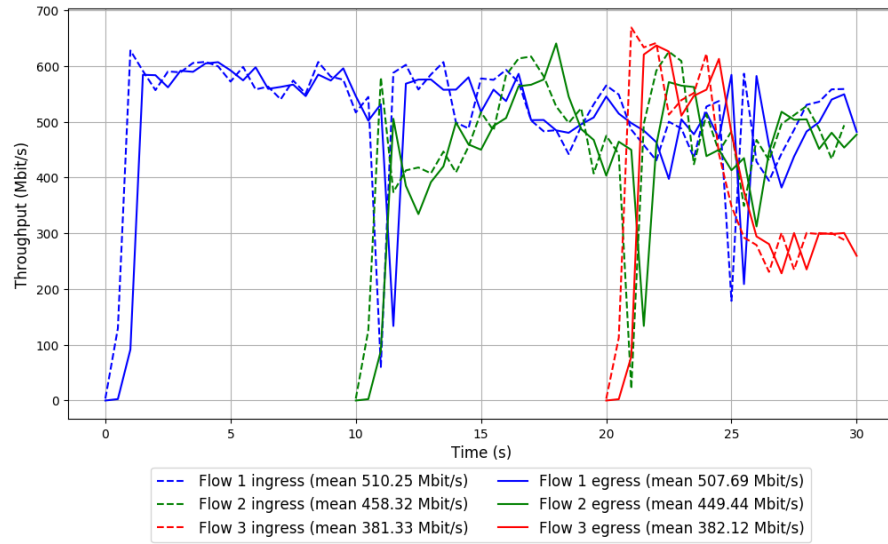
-- Flow 3:

Average throughput: 382.12 Mbit/s

95th percentile per-packet one-way delay: 94.724 ms

Loss rate: 0.75%

Run 1: Report of TCP BBR — Data Link

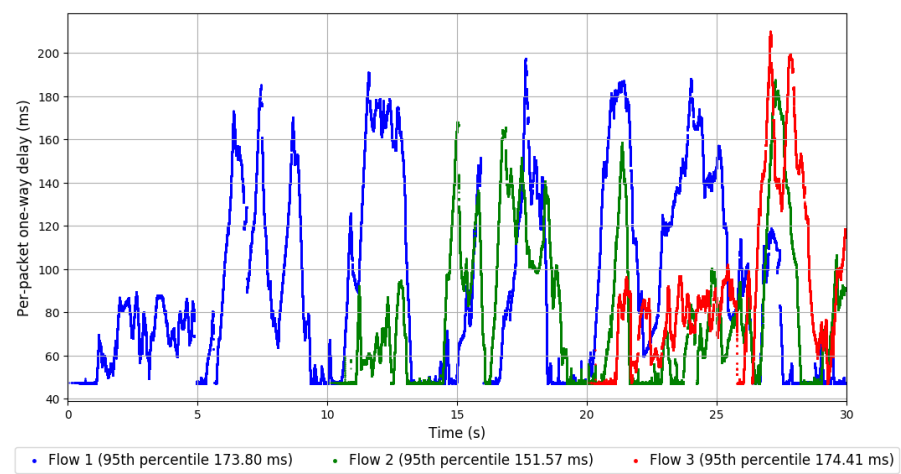
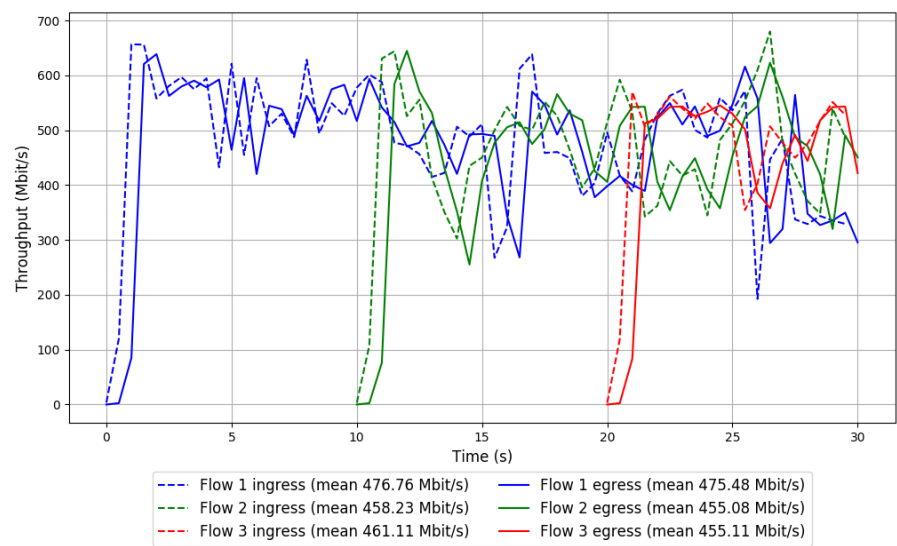


Run 2: Statistics of TCP BBR

Start at: 2019-07-18 22:11:57
End at: 2019-07-18 22:12:27
Local clock offset: -0.056 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2019-07-19 00:54:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 928.51 Mbit/s
95th percentile per-packet one-way delay: 169.726 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 475.48 Mbit/s
95th percentile per-packet one-way delay: 173.802 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 455.08 Mbit/s
95th percentile per-packet one-way delay: 151.569 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 455.11 Mbit/s
95th percentile per-packet one-way delay: 174.405 ms
Loss rate: 2.26%

Run 2: Report of TCP BBR — Data Link

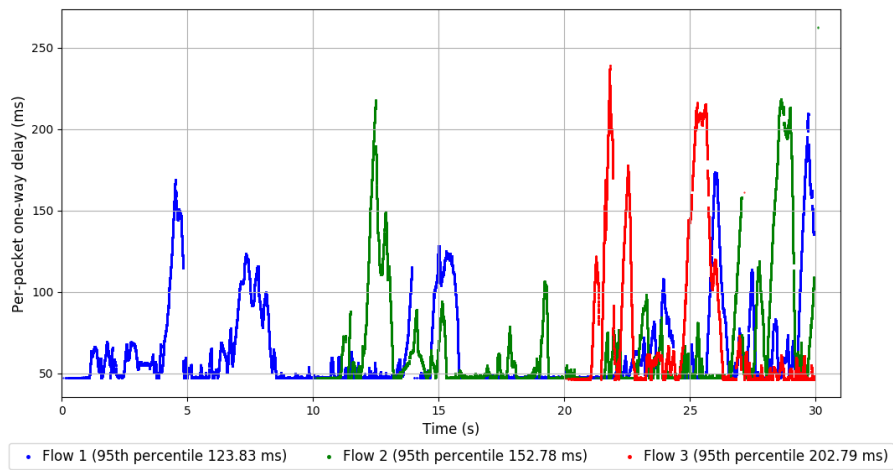
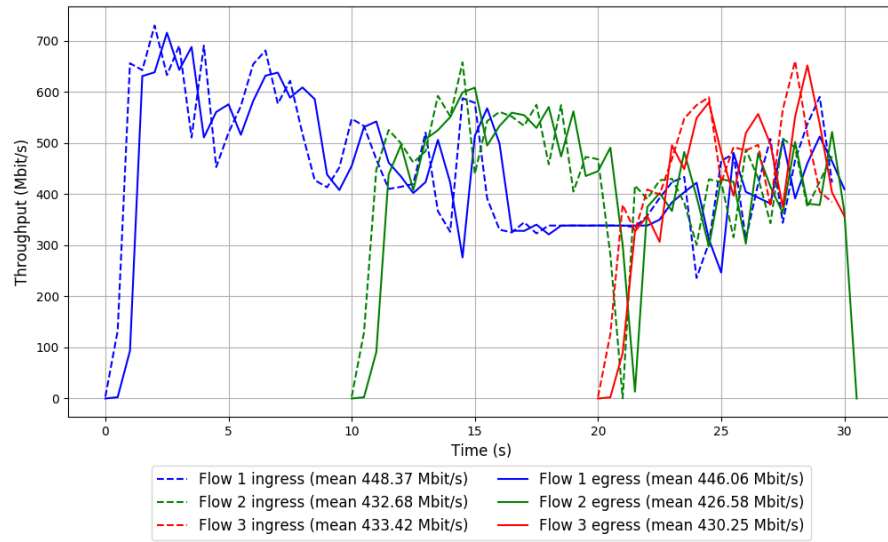


Run 3: Statistics of TCP BBR

Start at: 2019-07-18 22:52:23
End at: 2019-07-18 22:52:53
Local clock offset: -0.005 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2019-07-19 00:54:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 869.64 Mbit/s
95th percentile per-packet one-way delay: 148.374 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 446.06 Mbit/s
95th percentile per-packet one-way delay: 123.832 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 426.58 Mbit/s
95th percentile per-packet one-way delay: 152.784 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 430.25 Mbit/s
95th percentile per-packet one-way delay: 202.795 ms
Loss rate: 1.68%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-07-18 23:33:10

End at: 2019-07-18 23:33:40

Local clock offset: -0.072 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2019-07-19 00:54:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 941.67 Mbit/s

95th percentile per-packet one-way delay: 160.160 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 482.36 Mbit/s

95th percentile per-packet one-way delay: 158.625 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 480.00 Mbit/s

95th percentile per-packet one-way delay: 131.833 ms

Loss rate: 0.32%

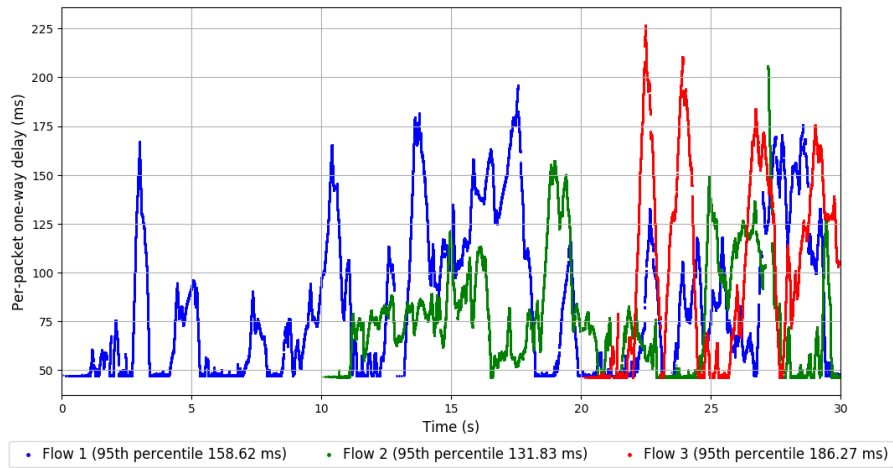
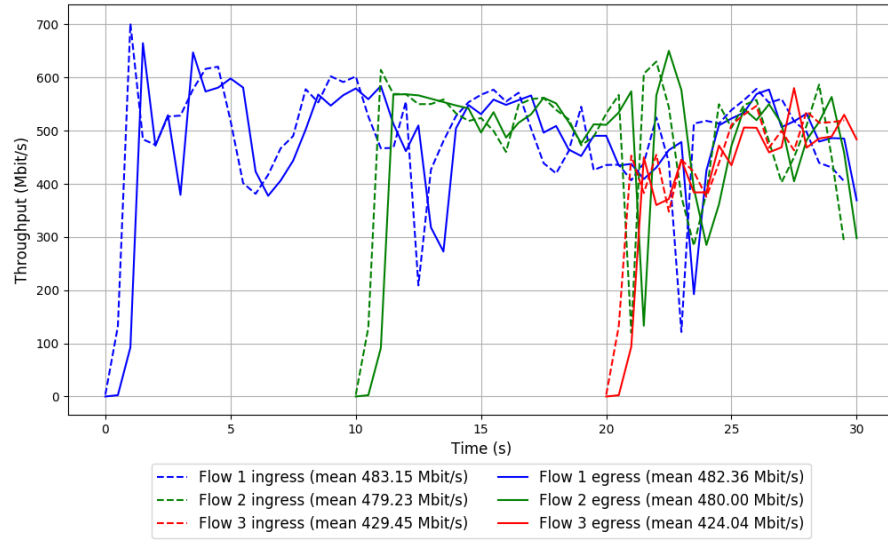
-- Flow 3:

Average throughput: 424.04 Mbit/s

95th percentile per-packet one-way delay: 186.271 ms

Loss rate: 2.19%

Run 4: Report of TCP BBR — Data Link

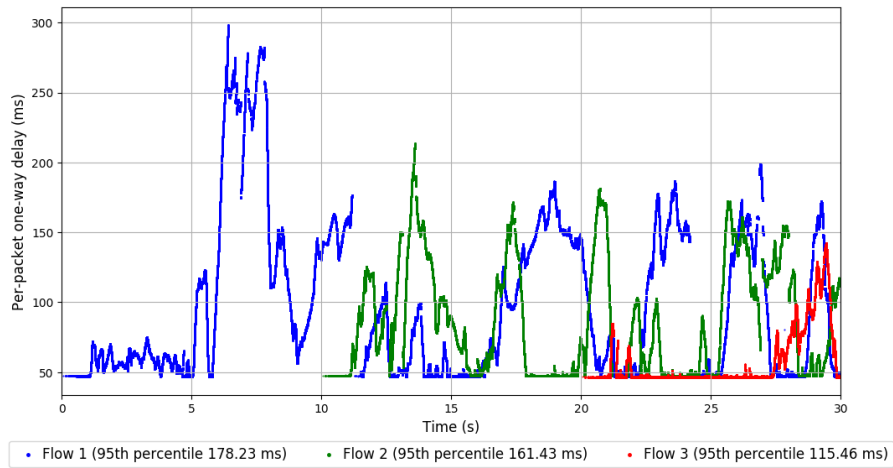
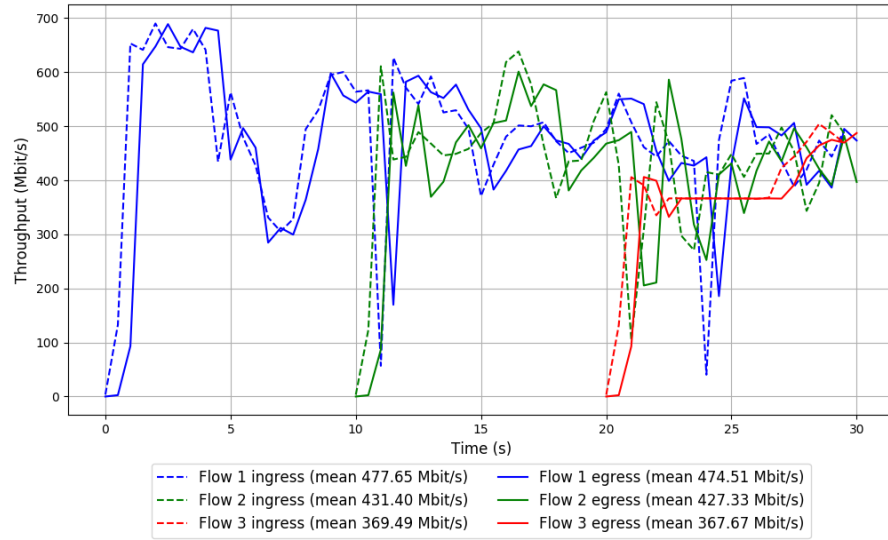


Run 5: Statistics of TCP BBR

Start at: 2019-07-19 00:13:56
End at: 2019-07-19 00:14:26
Local clock offset: -0.033 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2019-07-19 00:54:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 880.09 Mbit/s
95th percentile per-packet one-way delay: 168.114 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 474.51 Mbit/s
95th percentile per-packet one-way delay: 178.231 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 427.33 Mbit/s
95th percentile per-packet one-way delay: 161.429 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 367.67 Mbit/s
95th percentile per-packet one-way delay: 115.464 ms
Loss rate: 1.43%

Run 5: Report of TCP BBR — Data Link

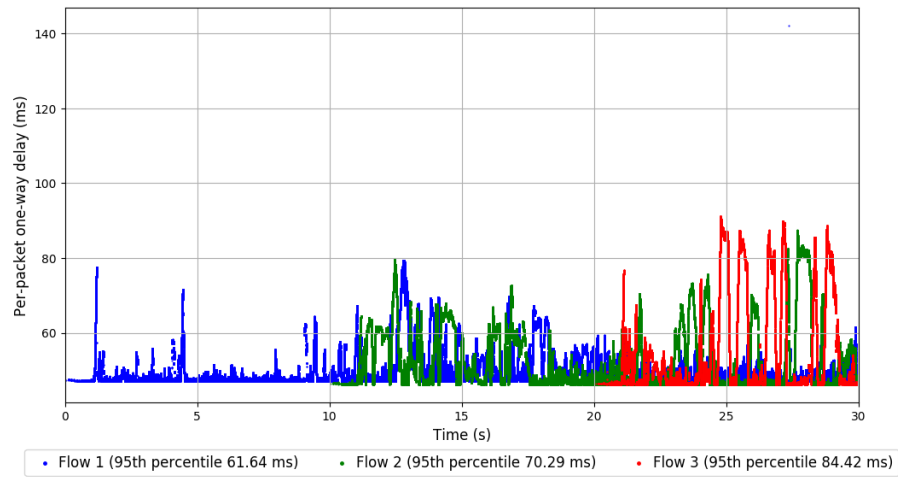
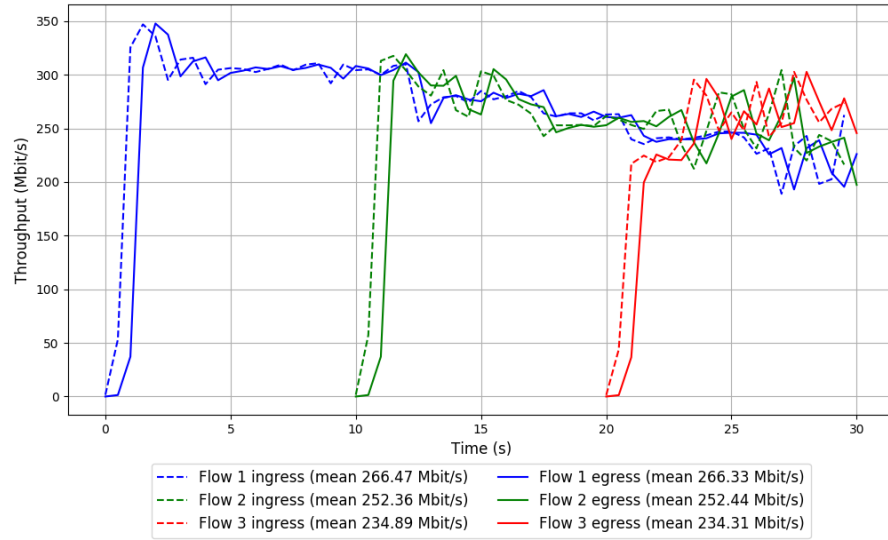


Run 1: Statistics of Copa

Start at: 2019-07-18 21:25:49
End at: 2019-07-18 21:26:19
Local clock offset: -0.061 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2019-07-19 00:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 511.52 Mbit/s
95th percentile per-packet one-way delay: 69.189 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 266.33 Mbit/s
95th percentile per-packet one-way delay: 61.643 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 252.44 Mbit/s
95th percentile per-packet one-way delay: 70.294 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 234.31 Mbit/s
95th percentile per-packet one-way delay: 84.418 ms
Loss rate: 1.19%

Run 1: Report of Copa — Data Link

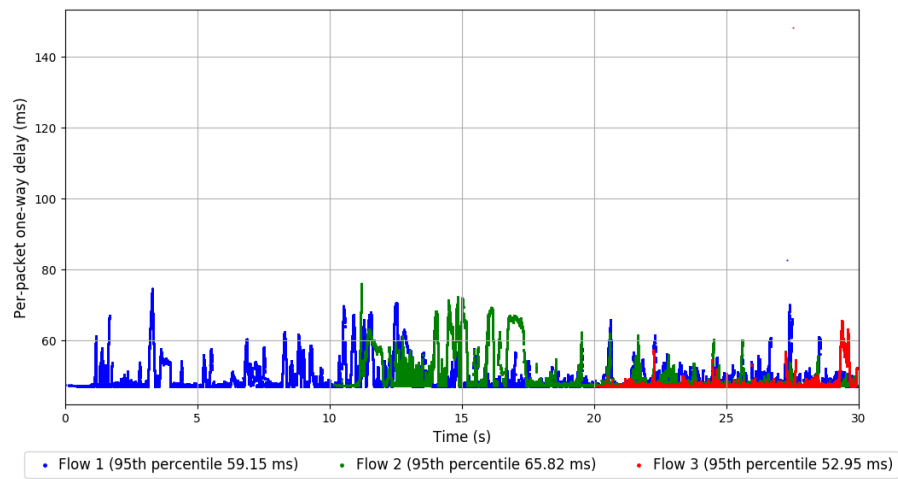
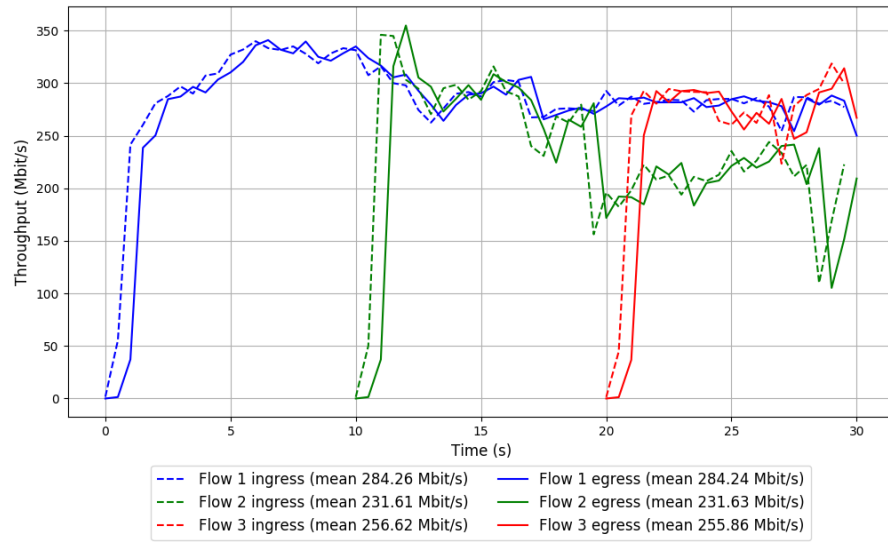


Run 2: Statistics of Copa

Start at: 2019-07-18 22:06:20
End at: 2019-07-18 22:06:50
Local clock offset: -0.063 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2019-07-19 00:55:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 522.72 Mbit/s
95th percentile per-packet one-way delay: 60.927 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 284.24 Mbit/s
95th percentile per-packet one-way delay: 59.150 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 231.63 Mbit/s
95th percentile per-packet one-way delay: 65.818 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 255.86 Mbit/s
95th percentile per-packet one-way delay: 52.953 ms
Loss rate: 1.24%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-07-18 22:46:57

End at: 2019-07-18 22:47:27

Local clock offset: -0.0 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2019-07-19 00:56:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 574.00 Mbit/s

95th percentile per-packet one-way delay: 59.097 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 317.71 Mbit/s

95th percentile per-packet one-way delay: 59.003 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 269.70 Mbit/s

95th percentile per-packet one-way delay: 59.632 ms

Loss rate: 0.51%

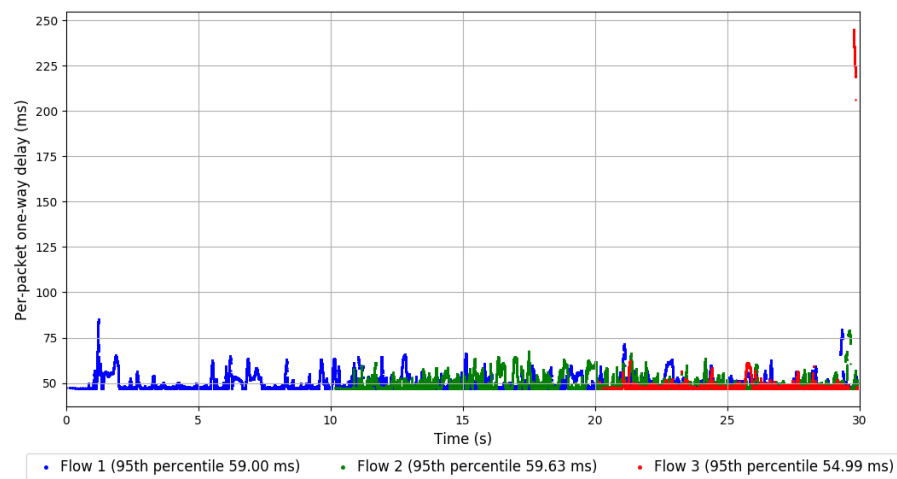
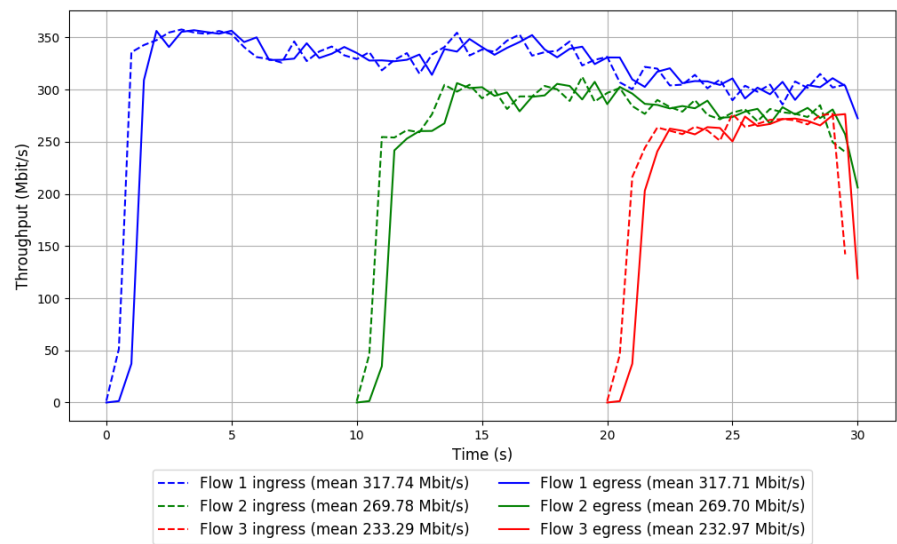
-- Flow 3:

Average throughput: 232.97 Mbit/s

95th percentile per-packet one-way delay: 54.993 ms

Loss rate: 1.08%

Run 3: Report of Copa — Data Link

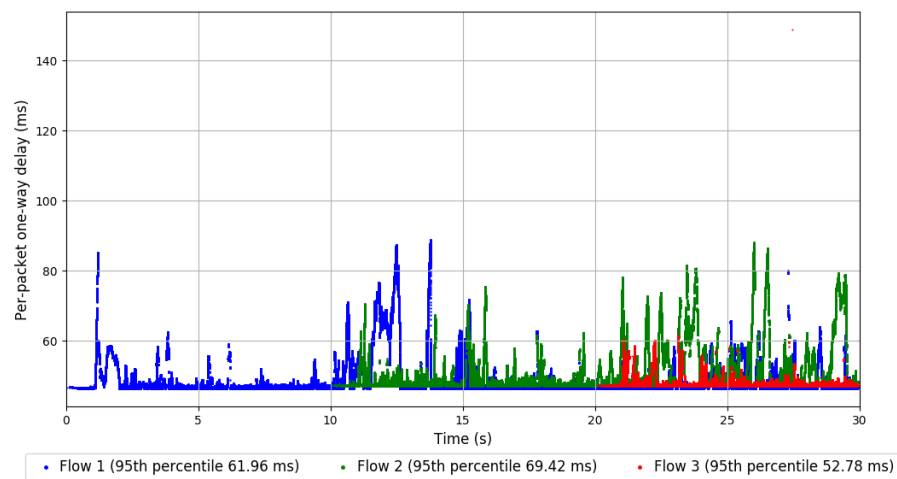
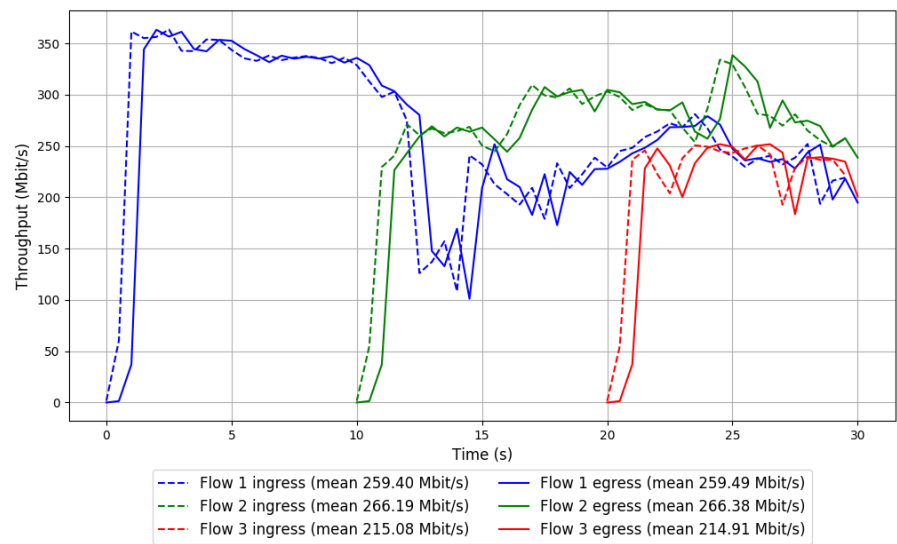


Run 4: Statistics of Copa

Start at: 2019-07-18 23:27:37
End at: 2019-07-18 23:28:07
Local clock offset: -0.059 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2019-07-19 01:09:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 507.73 Mbit/s
95th percentile per-packet one-way delay: 63.555 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 259.49 Mbit/s
95th percentile per-packet one-way delay: 61.963 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 266.38 Mbit/s
95th percentile per-packet one-way delay: 69.424 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 214.91 Mbit/s
95th percentile per-packet one-way delay: 52.782 ms
Loss rate: 1.01%

Run 4: Report of Copa — Data Link

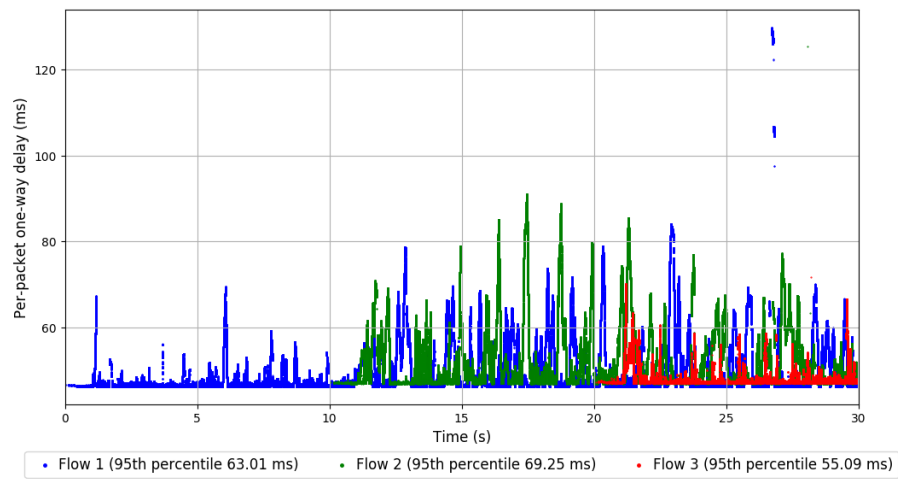
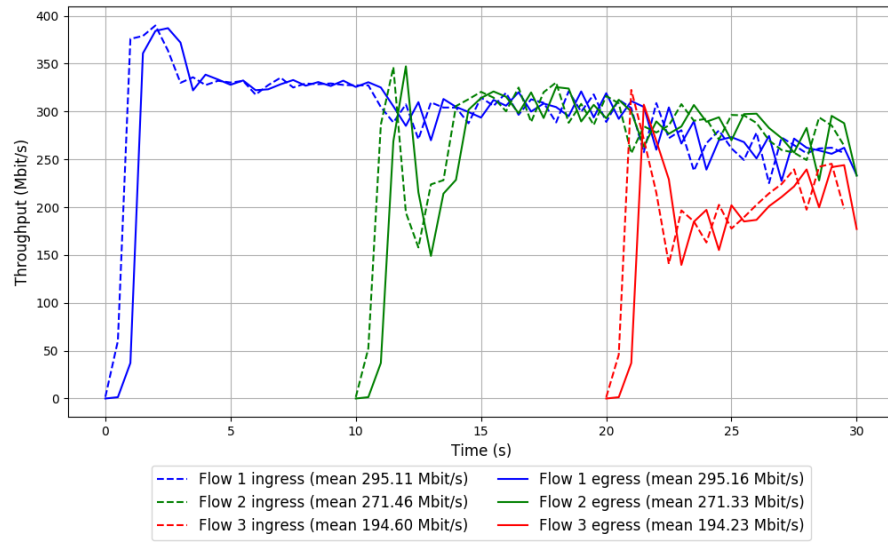


Run 5: Statistics of Copa

Start at: 2019-07-19 00:08:35
End at: 2019-07-19 00:09:05
Local clock offset: -0.029 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2019-07-19 01:11:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 539.69 Mbit/s
95th percentile per-packet one-way delay: 64.433 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 295.16 Mbit/s
95th percentile per-packet one-way delay: 63.013 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 271.33 Mbit/s
95th percentile per-packet one-way delay: 69.246 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 194.23 Mbit/s
95th percentile per-packet one-way delay: 55.087 ms
Loss rate: 1.15%

Run 5: Report of Copa — Data Link

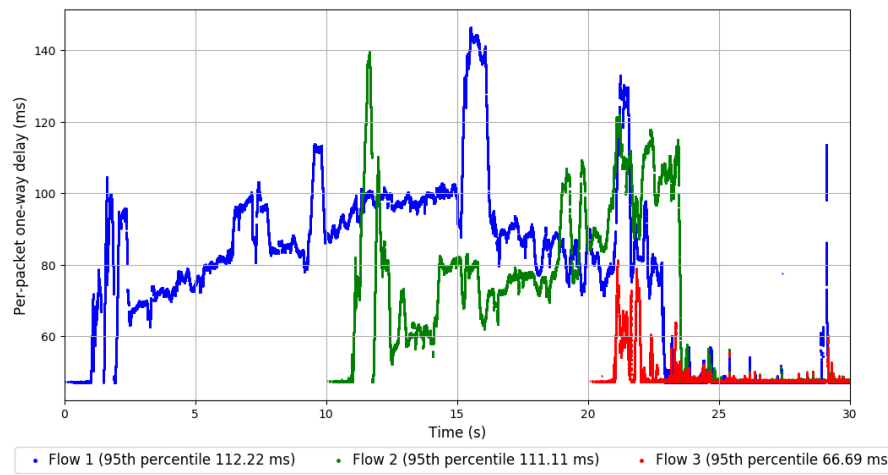
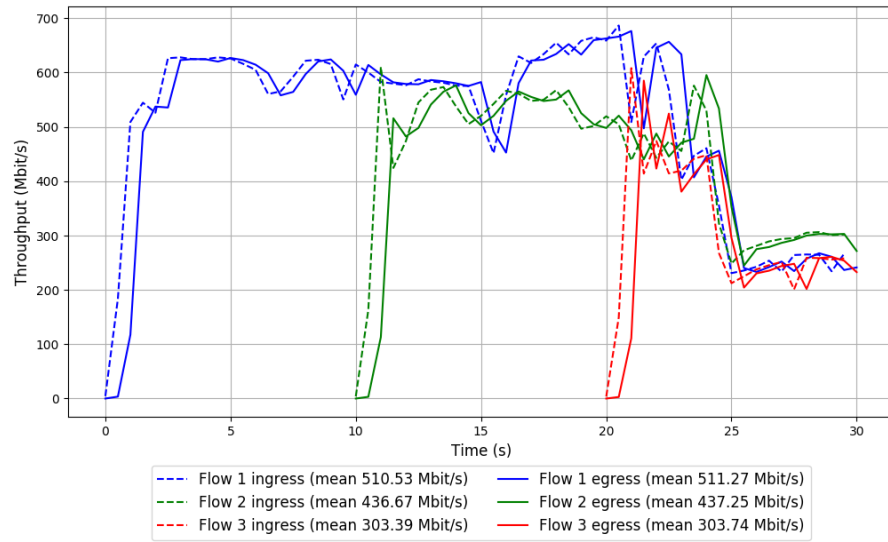


Run 1: Statistics of TCP Cubic

Start at: 2019-07-18 20:57:51
End at: 2019-07-18 20:58:21
Local clock offset: -0.049 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-07-19 01:11:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 902.34 Mbit/s
95th percentile per-packet one-way delay: 109.901 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 511.27 Mbit/s
95th percentile per-packet one-way delay: 112.217 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 437.25 Mbit/s
95th percentile per-packet one-way delay: 111.109 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 303.74 Mbit/s
95th percentile per-packet one-way delay: 66.690 ms
Loss rate: 0.84%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-07-18 21:38:31

End at: 2019-07-18 21:39:01

Local clock offset: -0.041 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2019-07-19 01:11:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 984.68 Mbit/s

95th percentile per-packet one-way delay: 138.835 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 523.54 Mbit/s

95th percentile per-packet one-way delay: 145.877 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 452.49 Mbit/s

95th percentile per-packet one-way delay: 74.712 ms

Loss rate: 0.57%

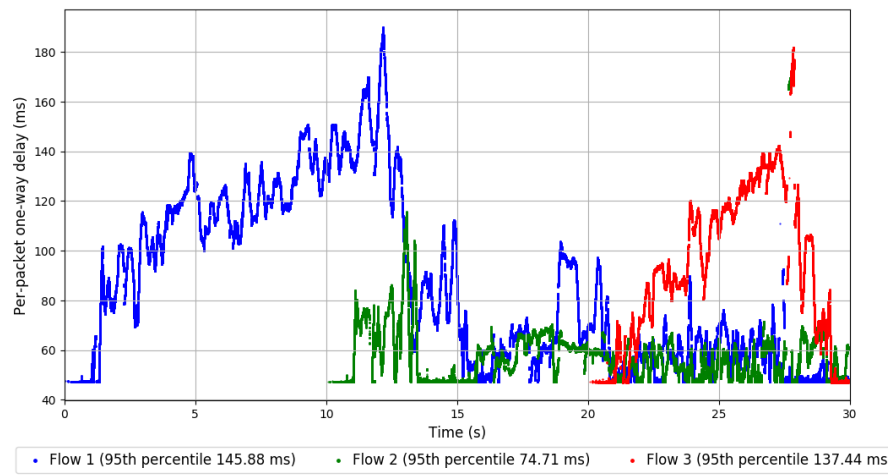
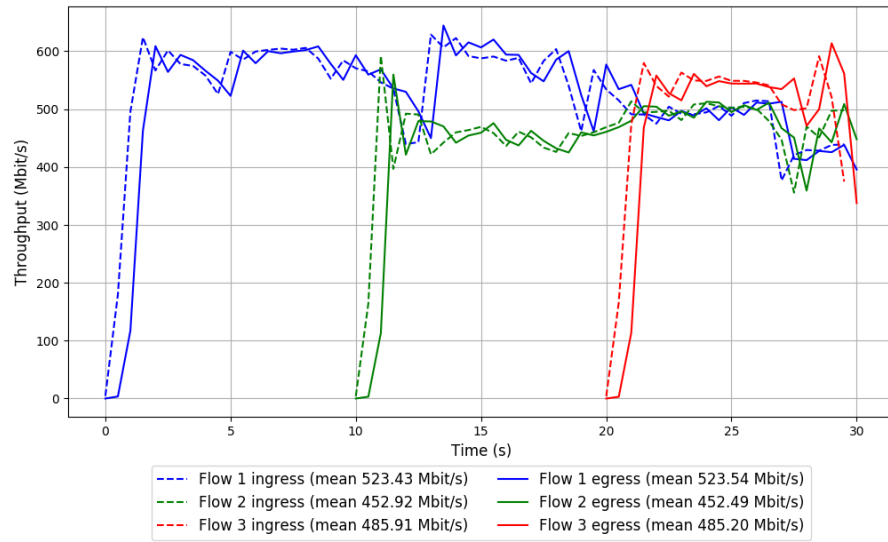
-- Flow 3:

Average throughput: 485.20 Mbit/s

95th percentile per-packet one-way delay: 137.436 ms

Loss rate: 1.09%

Run 2: Report of TCP Cubic — Data Link

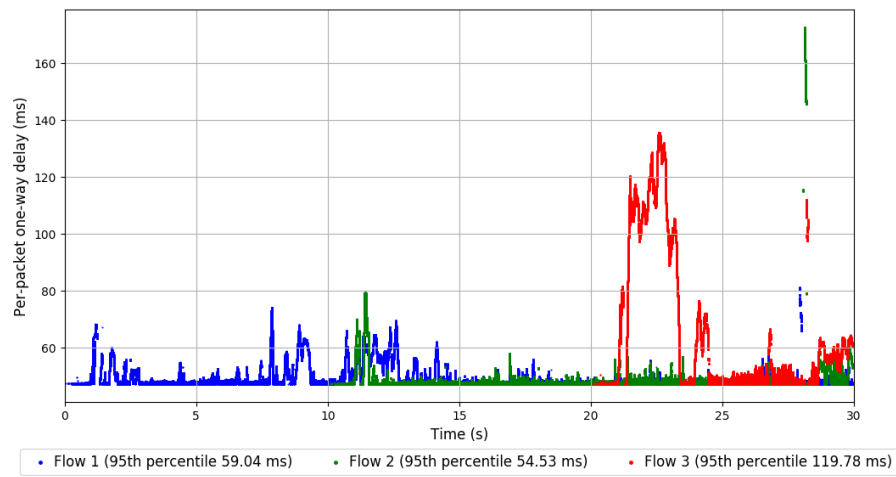
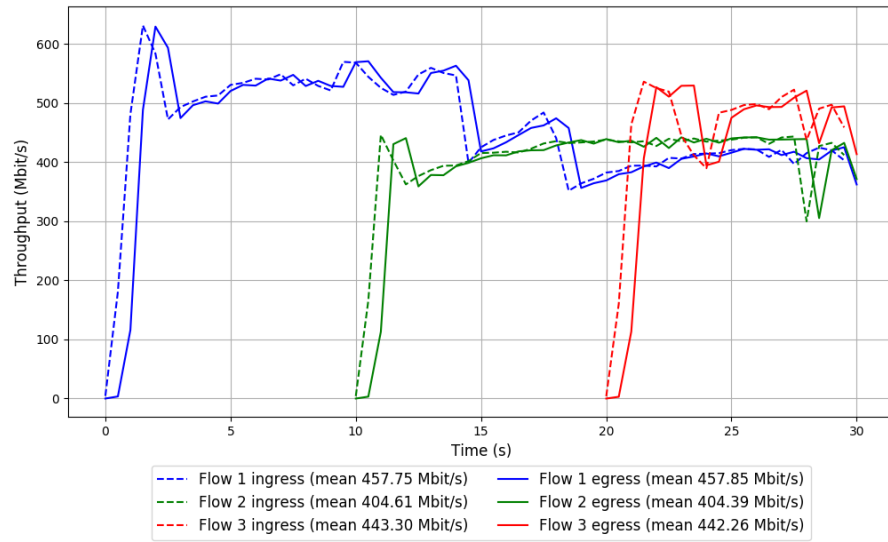


Run 3: Statistics of TCP Cubic

Start at: 2019-07-18 22:19:10
End at: 2019-07-18 22:19:40
Local clock offset: -0.036 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-07-19 01:11:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 872.83 Mbit/s
95th percentile per-packet one-way delay: 70.981 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 457.85 Mbit/s
95th percentile per-packet one-way delay: 59.043 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 404.39 Mbit/s
95th percentile per-packet one-way delay: 54.526 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 442.26 Mbit/s
95th percentile per-packet one-way delay: 119.782 ms
Loss rate: 1.17%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-07-18 22:59:34

End at: 2019-07-18 23:00:04

Local clock offset: 0.321 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2019-07-19 01:11:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 917.62 Mbit/s

95th percentile per-packet one-way delay: 90.799 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 485.92 Mbit/s

95th percentile per-packet one-way delay: 85.125 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 446.05 Mbit/s

95th percentile per-packet one-way delay: 95.878 ms

Loss rate: 0.46%

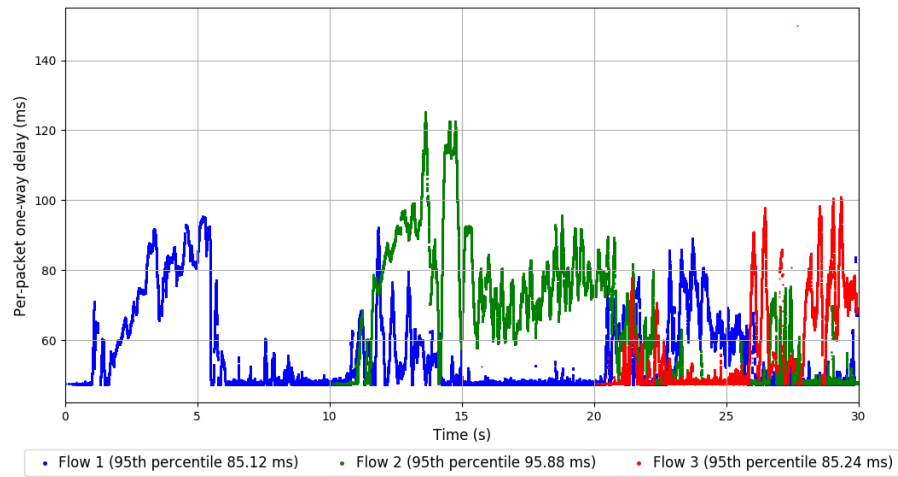
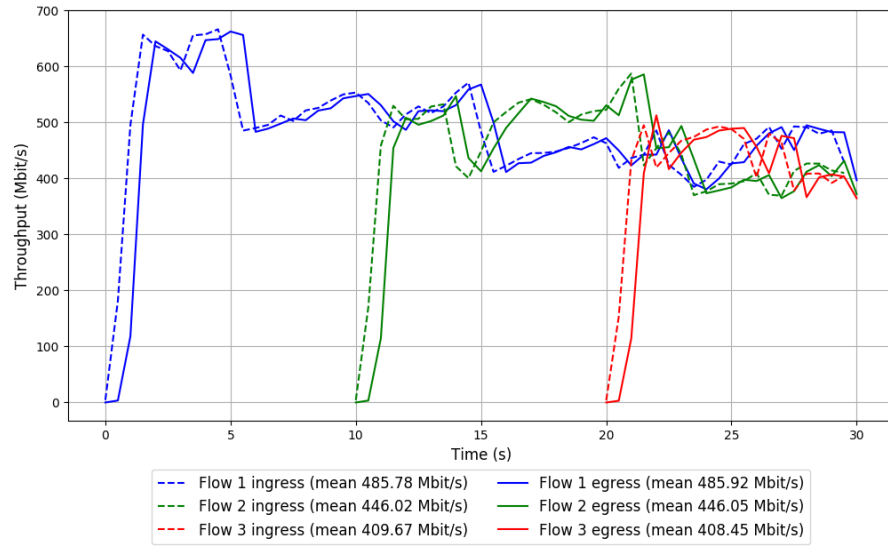
-- Flow 3:

Average throughput: 408.45 Mbit/s

95th percentile per-packet one-way delay: 85.239 ms

Loss rate: 1.23%

Run 4: Report of TCP Cubic — Data Link

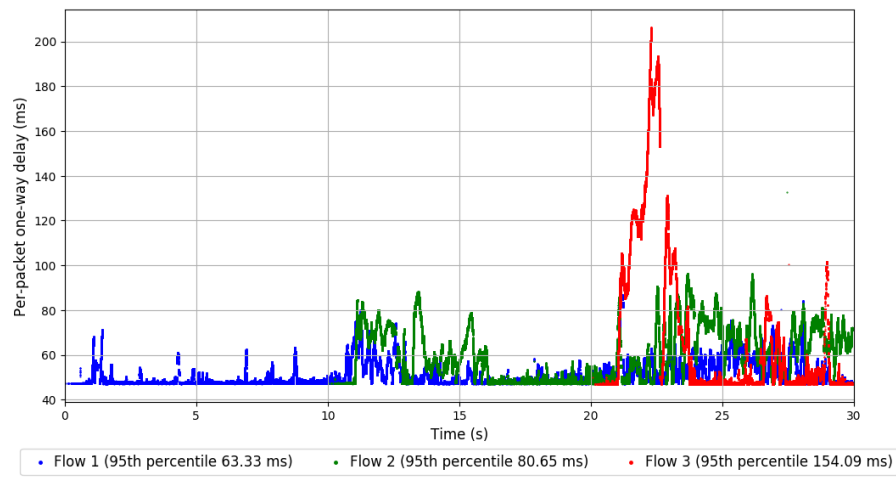
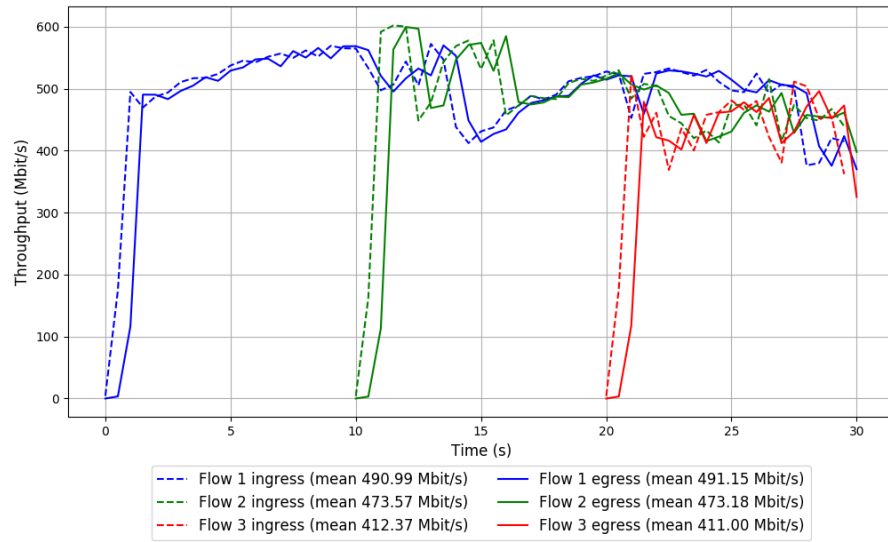


Run 5: Statistics of TCP Cubic

Start at: 2019-07-18 23:40:27
End at: 2019-07-18 23:40:57
Local clock offset: -0.102 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-07-19 01:11:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 941.67 Mbit/s
95th percentile per-packet one-way delay: 81.700 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 491.15 Mbit/s
95th percentile per-packet one-way delay: 63.331 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 473.18 Mbit/s
95th percentile per-packet one-way delay: 80.651 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 411.00 Mbit/s
95th percentile per-packet one-way delay: 154.090 ms
Loss rate: 1.29%

Run 5: Report of TCP Cubic — Data Link

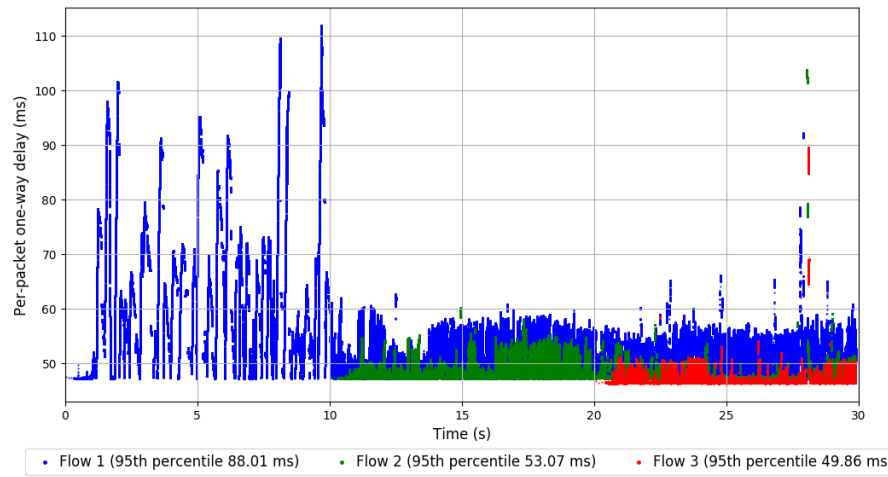
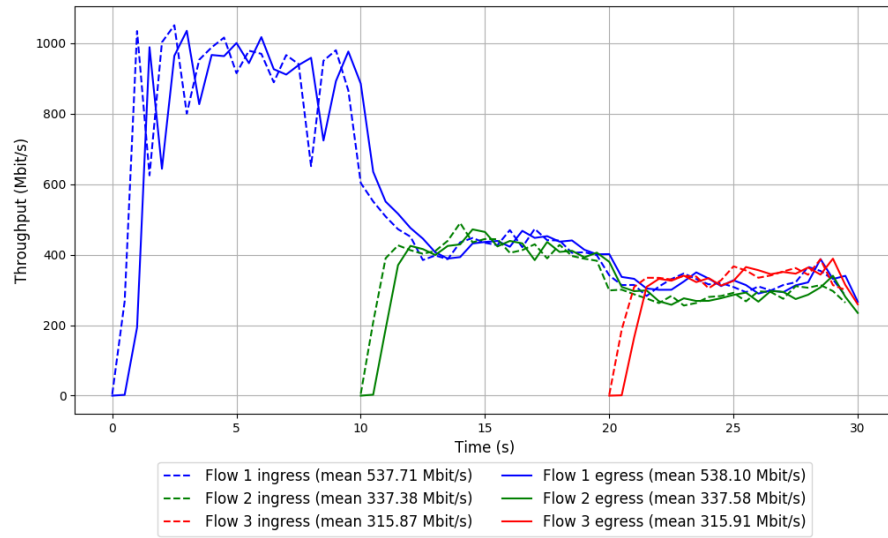


Run 1: Statistics of FillP

Start at: 2019-07-18 21:24:02
End at: 2019-07-18 21:24:32
Local clock offset: -0.079 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2019-07-19 01:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 865.98 Mbit/s
95th percentile per-packet one-way delay: 77.621 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 538.10 Mbit/s
95th percentile per-packet one-way delay: 88.011 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 337.58 Mbit/s
95th percentile per-packet one-way delay: 53.070 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 315.91 Mbit/s
95th percentile per-packet one-way delay: 49.859 ms
Loss rate: 1.04%

Run 1: Report of FillP — Data Link

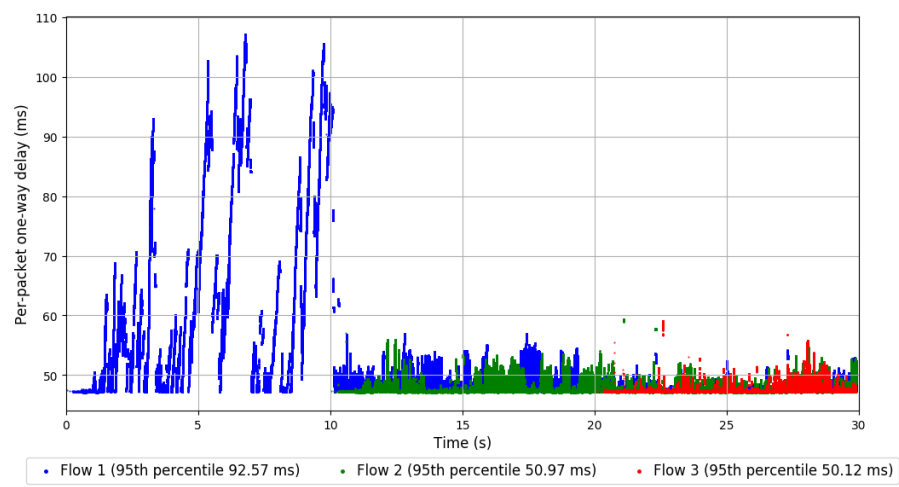
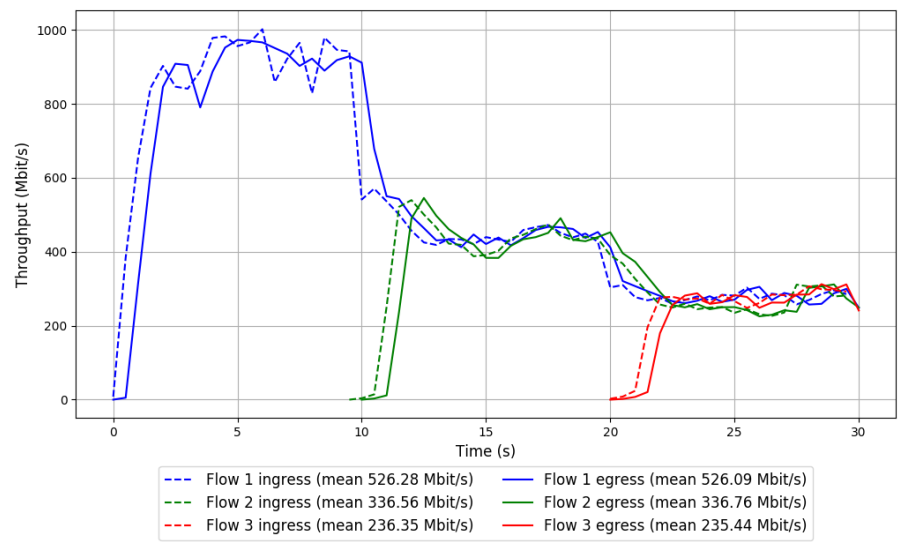


Run 2: Statistics of FillP

Start at: 2019-07-18 22:04:35
End at: 2019-07-18 22:05:05
Local clock offset: -0.099 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2019-07-19 01:27:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 827.48 Mbit/s
95th percentile per-packet one-way delay: 88.972 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 526.09 Mbit/s
95th percentile per-packet one-way delay: 92.568 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 336.76 Mbit/s
95th percentile per-packet one-way delay: 50.970 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 235.44 Mbit/s
95th percentile per-packet one-way delay: 50.119 ms
Loss rate: 1.47%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-07-18 22:45:12

End at: 2019-07-18 22:45:42

Local clock offset: -0.01 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2019-07-19 01:27:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 813.18 Mbit/s

95th percentile per-packet one-way delay: 76.880 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 513.51 Mbit/s

95th percentile per-packet one-way delay: 85.314 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 322.37 Mbit/s

95th percentile per-packet one-way delay: 57.188 ms

Loss rate: 0.38%

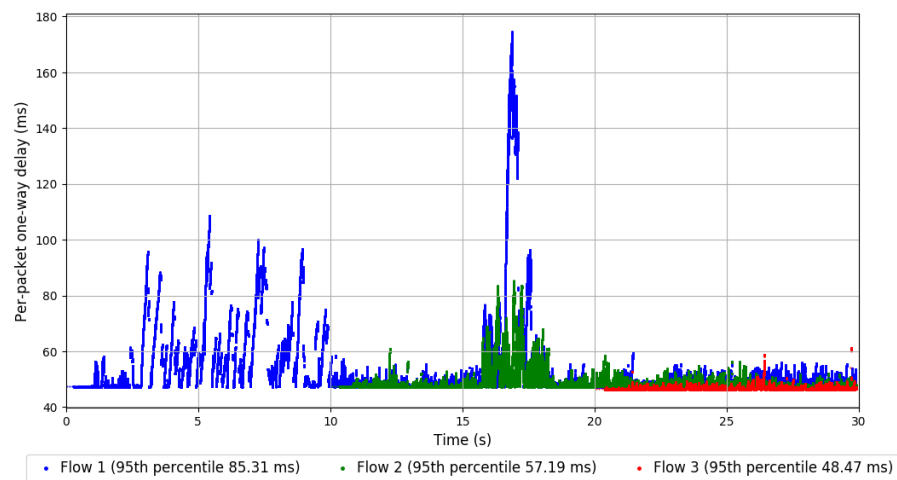
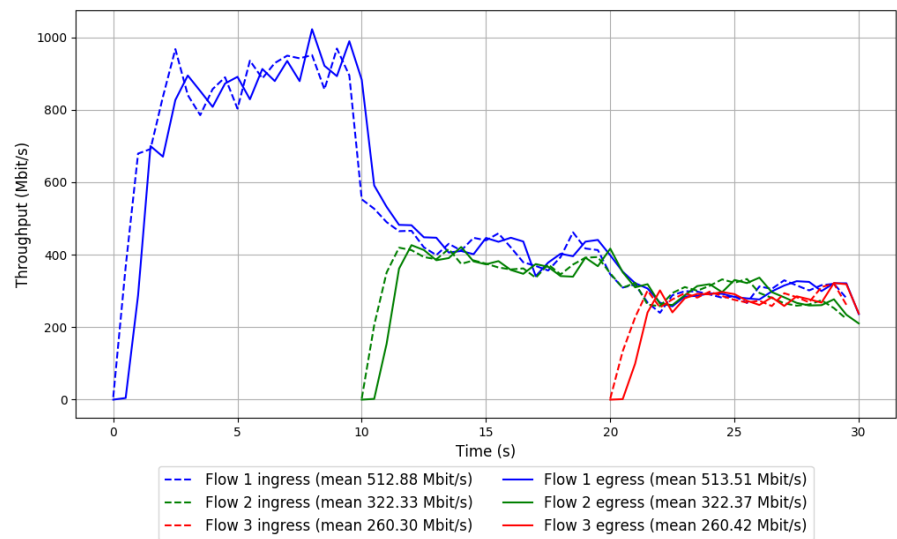
-- Flow 3:

Average throughput: 260.42 Mbit/s

95th percentile per-packet one-way delay: 48.469 ms

Loss rate: 0.95%

Run 3: Report of FillP — Data Link

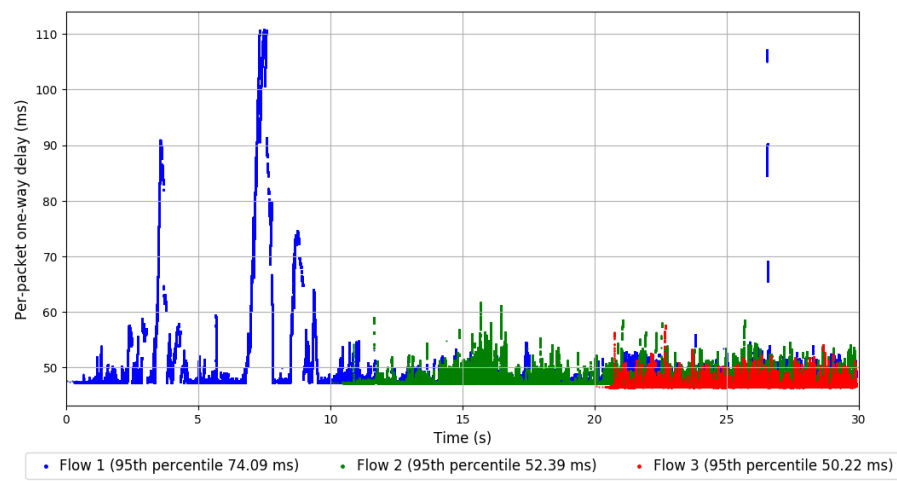
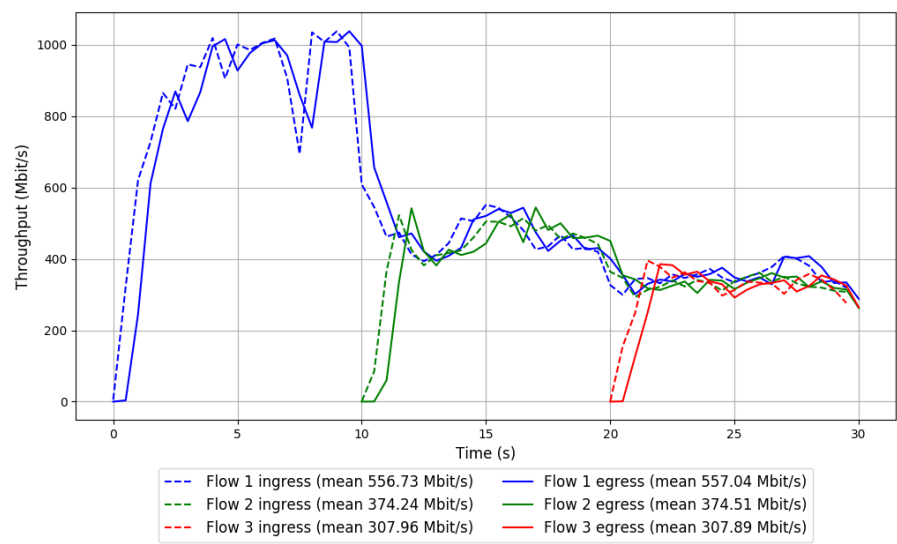


Run 4: Statistics of FillP

Start at: 2019-07-18 23:25:49
End at: 2019-07-18 23:26:19
Local clock offset: -0.035 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-07-19 01:29:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 907.17 Mbit/s
95th percentile per-packet one-way delay: 64.392 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 557.04 Mbit/s
95th percentile per-packet one-way delay: 74.095 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 374.51 Mbit/s
95th percentile per-packet one-way delay: 52.391 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 307.89 Mbit/s
95th percentile per-packet one-way delay: 50.222 ms
Loss rate: 0.82%

Run 4: Report of FillP — Data Link

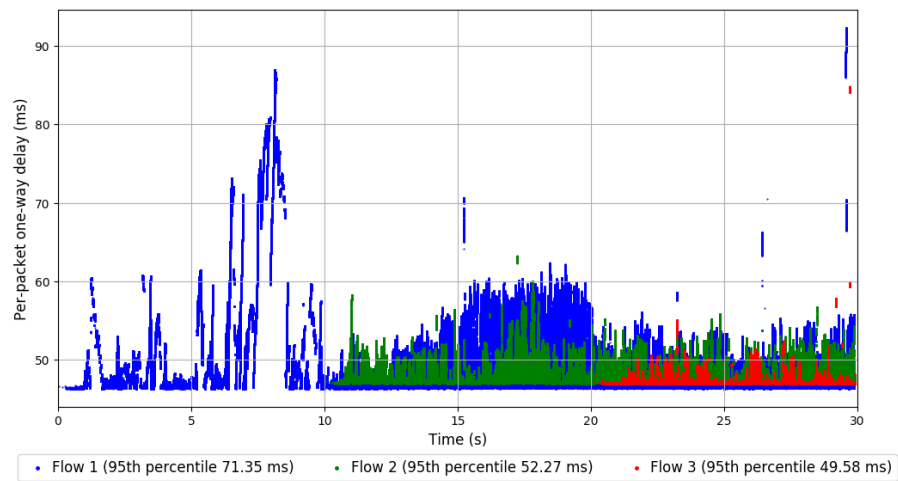
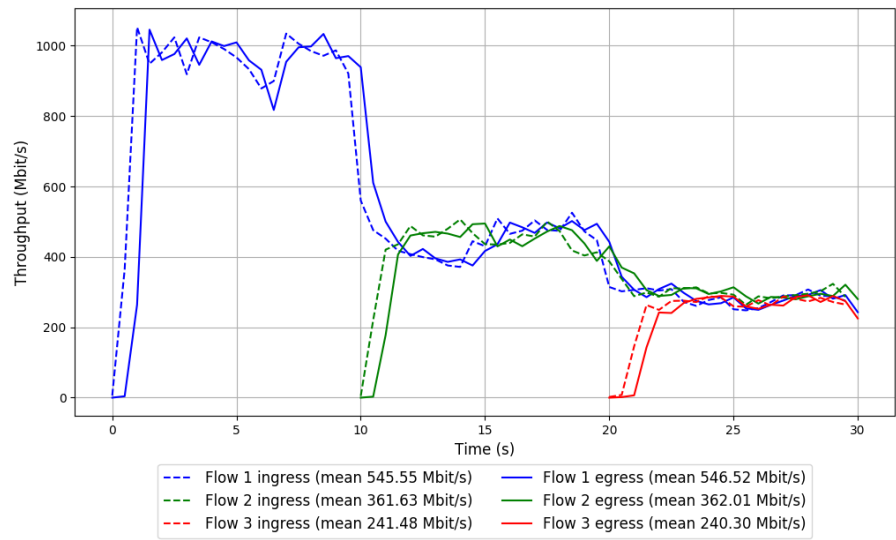


Run 5: Statistics of FillP

Start at: 2019-07-19 00:06:48
End at: 2019-07-19 00:07:18
Local clock offset: -0.073 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2019-07-19 01:29:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 865.79 Mbit/s
95th percentile per-packet one-way delay: 61.144 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 546.52 Mbit/s
95th percentile per-packet one-way delay: 71.346 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 362.01 Mbit/s
95th percentile per-packet one-way delay: 52.268 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 240.30 Mbit/s
95th percentile per-packet one-way delay: 49.580 ms
Loss rate: 1.31%

Run 5: Report of FillP — Data Link

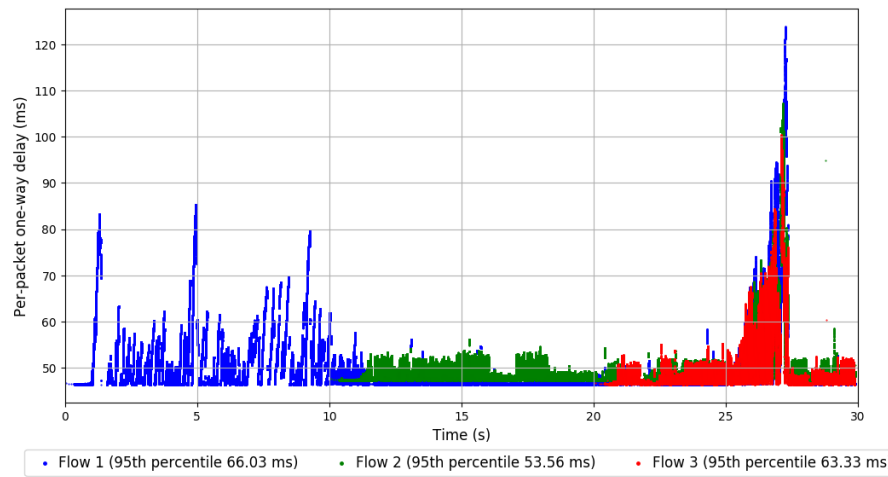
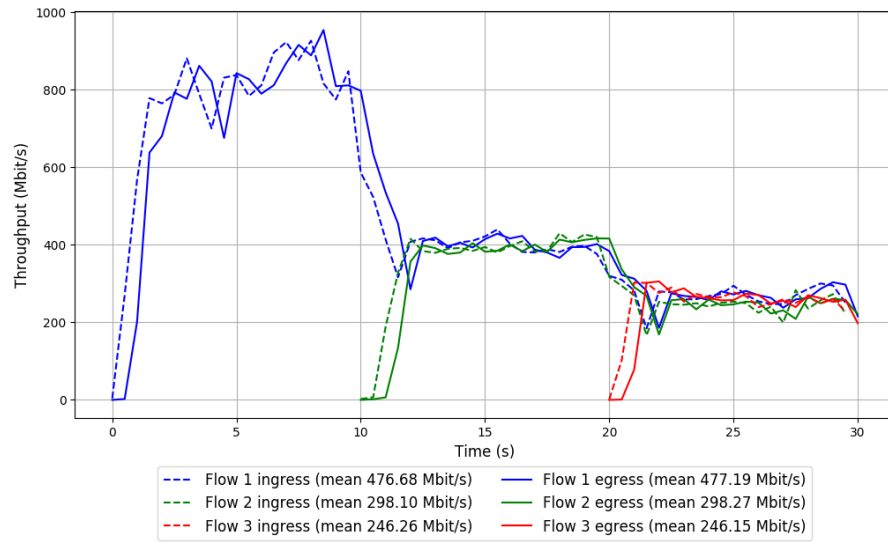


Run 1: Statistics of FillP-Sheep

Start at: 2019-07-18 20:56:09
End at: 2019-07-18 20:56:39
Local clock offset: -0.086 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-07-19 01:29:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 756.20 Mbit/s
95th percentile per-packet one-way delay: 63.348 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 477.19 Mbit/s
95th percentile per-packet one-way delay: 66.030 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 298.27 Mbit/s
95th percentile per-packet one-way delay: 53.557 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 246.15 Mbit/s
95th percentile per-packet one-way delay: 63.332 ms
Loss rate: 1.06%

Run 1: Report of FillP-Sheep — Data Link

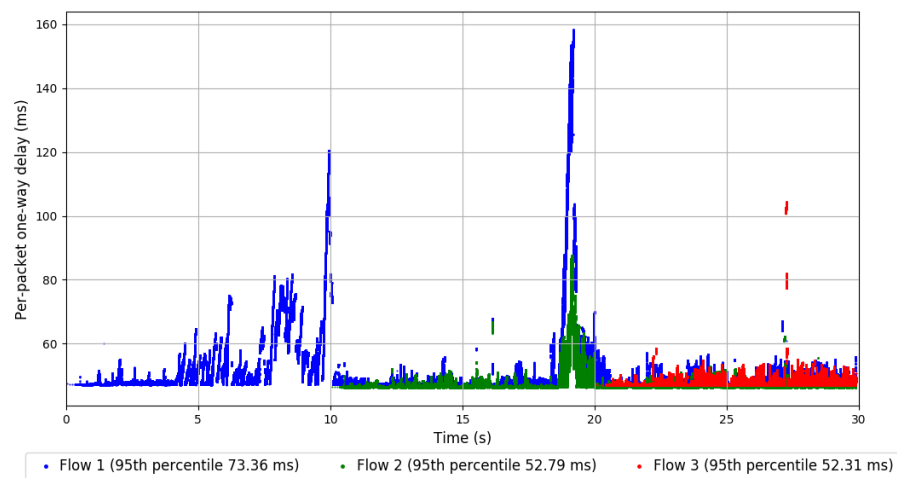
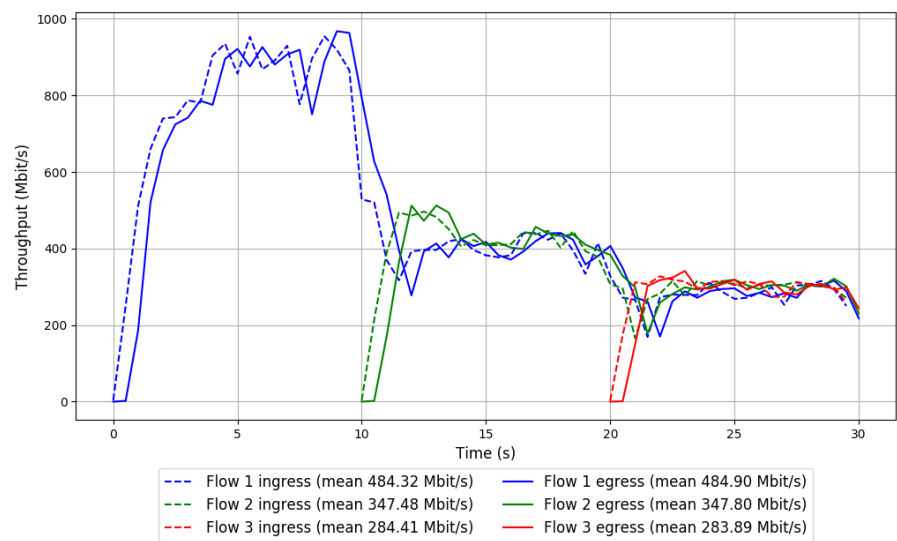


Run 2: Statistics of FillP-Sheep

Start at: 2019-07-18 21:36:47
End at: 2019-07-18 21:37:17
Local clock offset: -0.028 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-07-19 01:29:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 809.12 Mbit/s
95th percentile per-packet one-way delay: 67.465 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 484.90 Mbit/s
95th percentile per-packet one-way delay: 73.359 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 347.80 Mbit/s
95th percentile per-packet one-way delay: 52.791 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 283.89 Mbit/s
95th percentile per-packet one-way delay: 52.308 ms
Loss rate: 0.92%

Run 2: Report of FillP-Sheep — Data Link

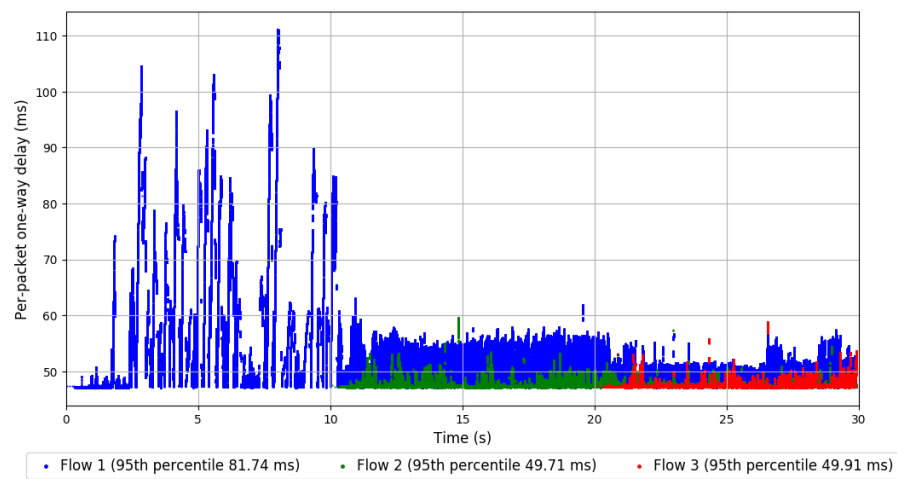
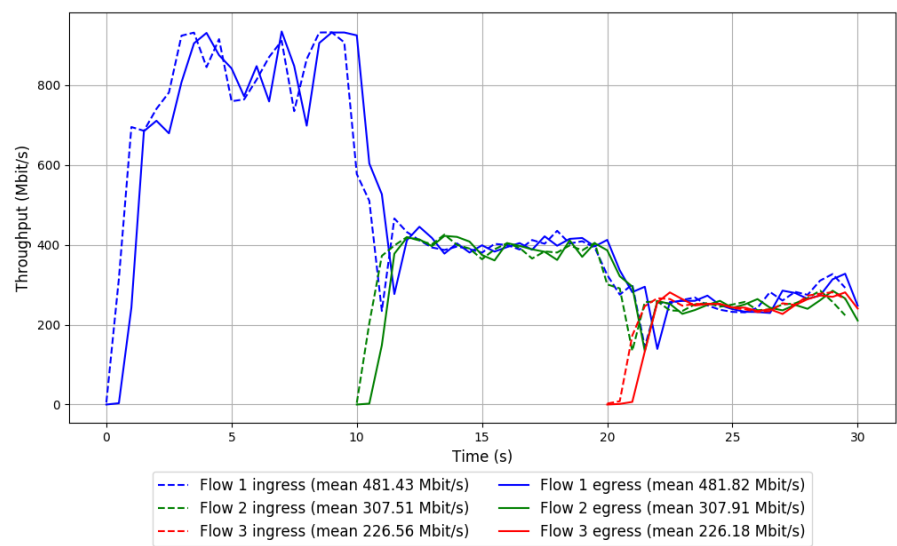


Run 3: Statistics of FillP-Sheep

Start at: 2019-07-18 22:17:28
End at: 2019-07-18 22:17:58
Local clock offset: -0.056 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2019-07-19 01:29:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 760.87 Mbit/s
95th percentile per-packet one-way delay: 77.187 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 481.82 Mbit/s
95th percentile per-packet one-way delay: 81.741 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 307.91 Mbit/s
95th percentile per-packet one-way delay: 49.711 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 226.18 Mbit/s
95th percentile per-packet one-way delay: 49.906 ms
Loss rate: 1.15%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-07-18 22:57:49

End at: 2019-07-18 22:58:19

Local clock offset: 0.01 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2019-07-19 01:33:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 822.59 Mbit/s

95th percentile per-packet one-way delay: 53.856 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 523.05 Mbit/s

95th percentile per-packet one-way delay: 65.952 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 319.83 Mbit/s

95th percentile per-packet one-way delay: 50.974 ms

Loss rate: 0.34%

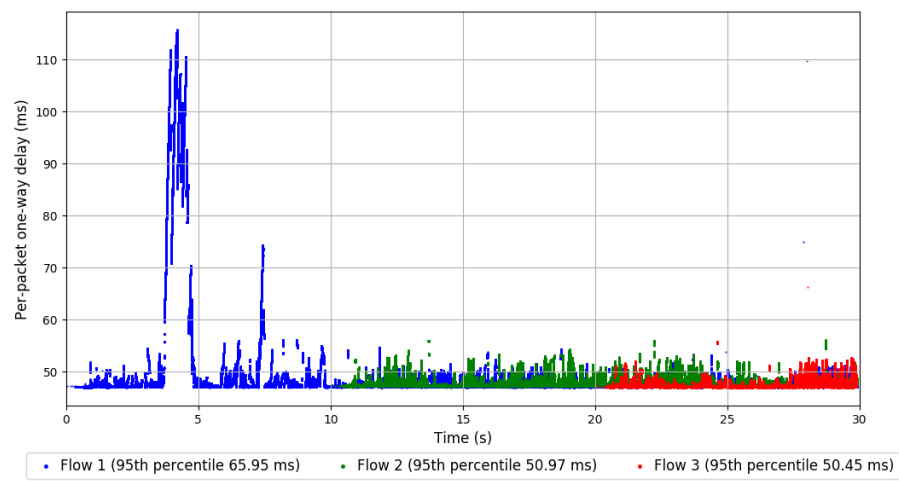
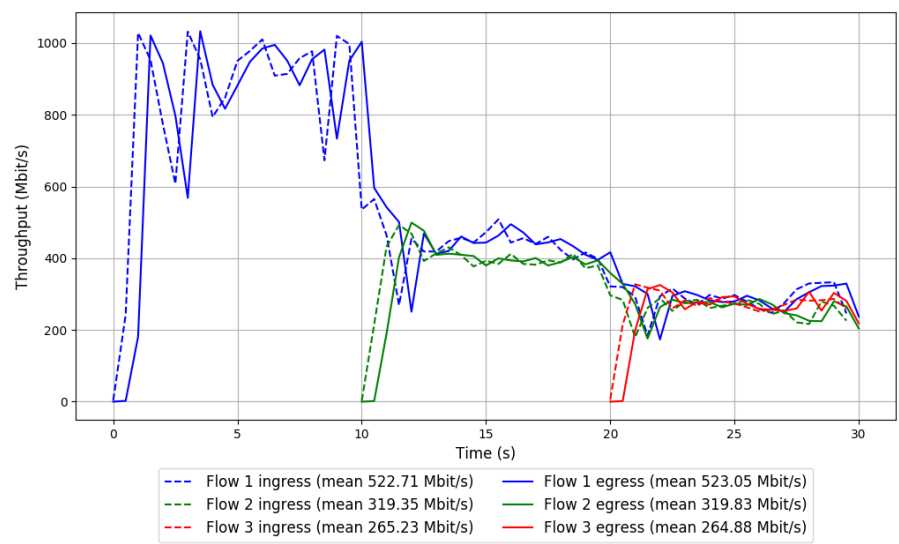
-- Flow 3:

Average throughput: 264.88 Mbit/s

95th percentile per-packet one-way delay: 50.447 ms

Loss rate: 1.21%

Run 4: Report of FillP-Sheep — Data Link

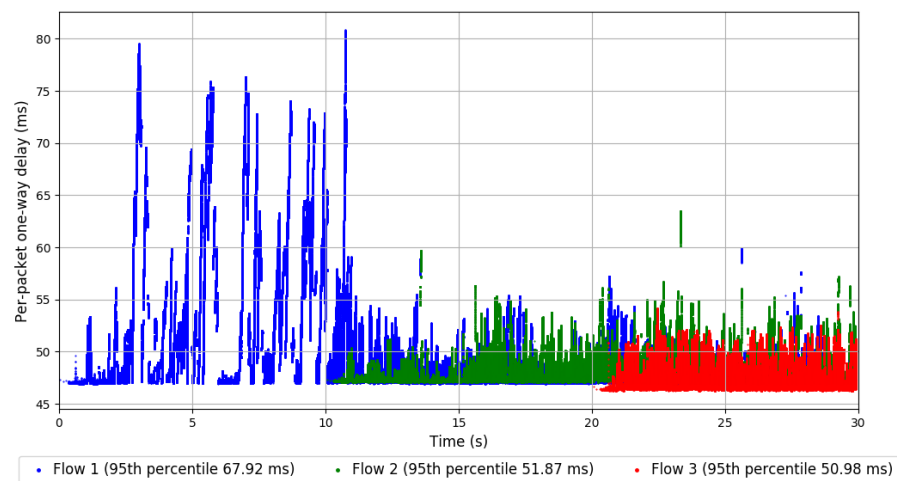
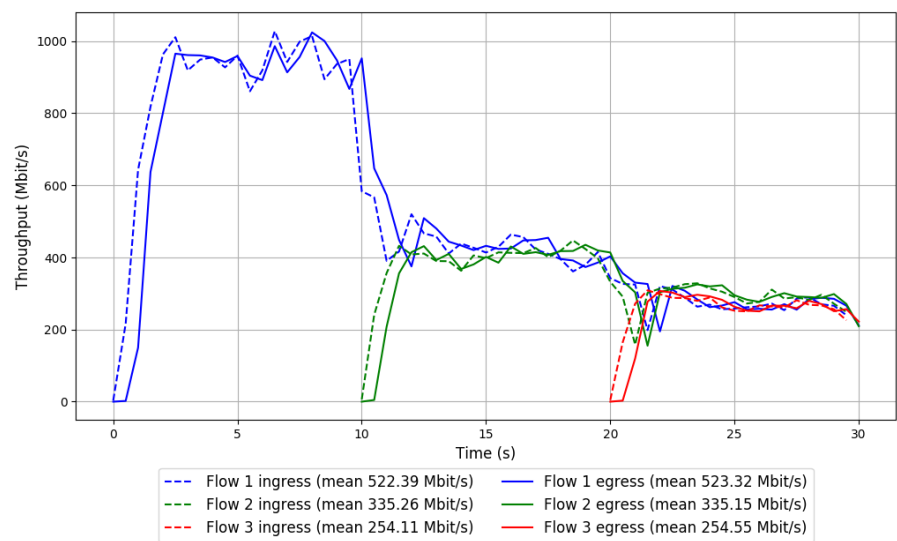


Run 5: Statistics of FillP-Sheep

Start at: 2019-07-18 23:38:42
End at: 2019-07-18 23:39:12
Local clock offset: -0.112 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2019-07-19 01:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 829.81 Mbit/s
95th percentile per-packet one-way delay: 64.463 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 523.32 Mbit/s
95th percentile per-packet one-way delay: 67.925 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 335.15 Mbit/s
95th percentile per-packet one-way delay: 51.866 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 254.55 Mbit/s
95th percentile per-packet one-way delay: 50.978 ms
Loss rate: 0.78%

Run 5: Report of FillP-Sheep — Data Link

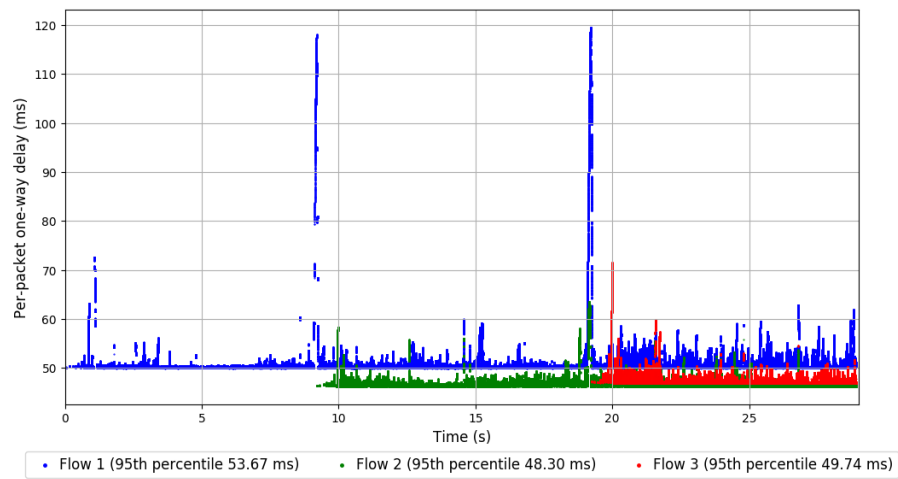
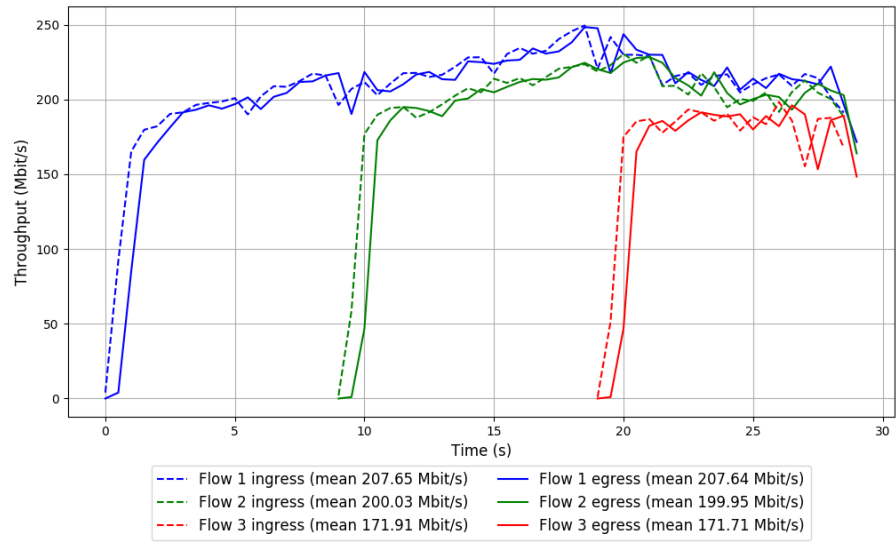


```
Run 1: Statistics of Indigo

Start at: 2019-07-18 20:54:22
End at: 2019-07-18 20:54:52
Local clock offset: -0.061 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2019-07-19 01:45:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 401.58 Mbit/s
95th percentile per-packet one-way delay: 52.492 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 207.64 Mbit/s
95th percentile per-packet one-way delay: 53.667 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 199.95 Mbit/s
95th percentile per-packet one-way delay: 48.299 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 171.71 Mbit/s
95th percentile per-packet one-way delay: 49.739 ms
Loss rate: 1.08%
```

Run 1: Report of Indigo — Data Link

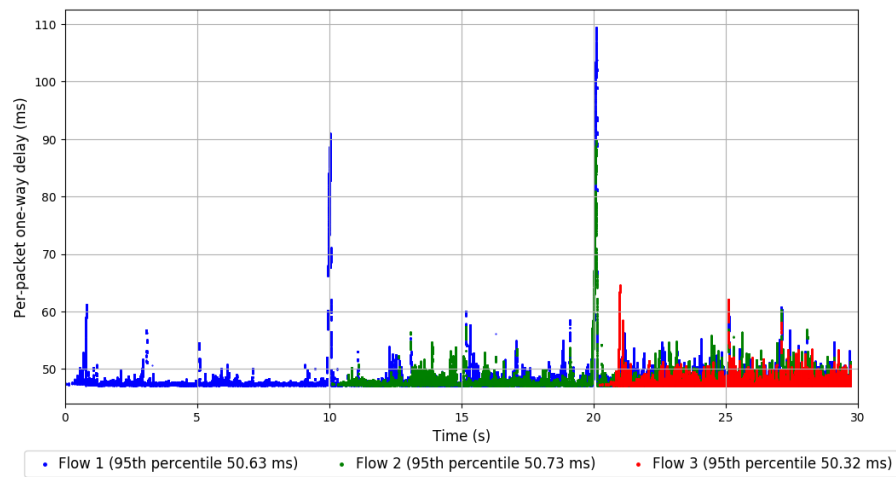
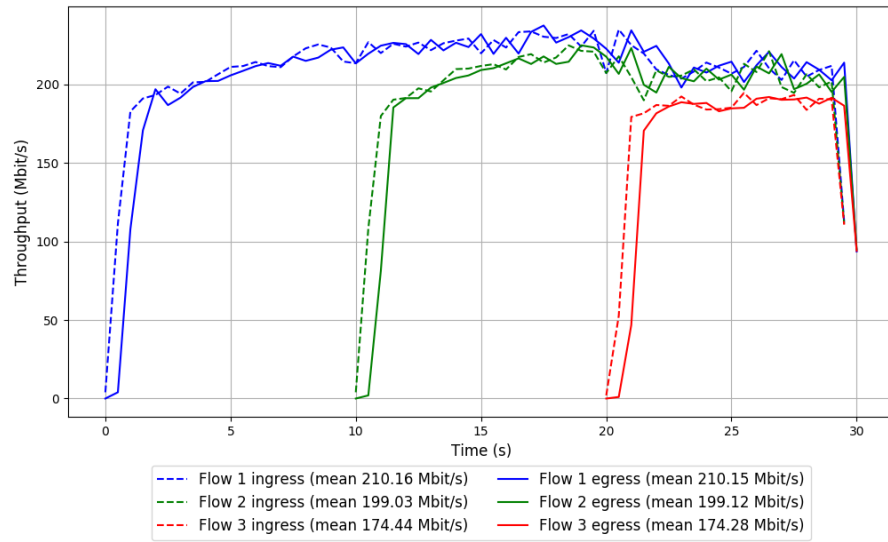


Run 2: Statistics of Indigo

Start at: 2019-07-18 21:34:59
End at: 2019-07-18 21:35:29
Local clock offset: -0.038 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2019-07-19 01:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 397.76 Mbit/s
95th percentile per-packet one-way delay: 50.627 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 210.15 Mbit/s
95th percentile per-packet one-way delay: 50.635 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 199.12 Mbit/s
95th percentile per-packet one-way delay: 50.728 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 174.28 Mbit/s
95th percentile per-packet one-way delay: 50.316 ms
Loss rate: 1.08%

Run 2: Report of Indigo — Data Link

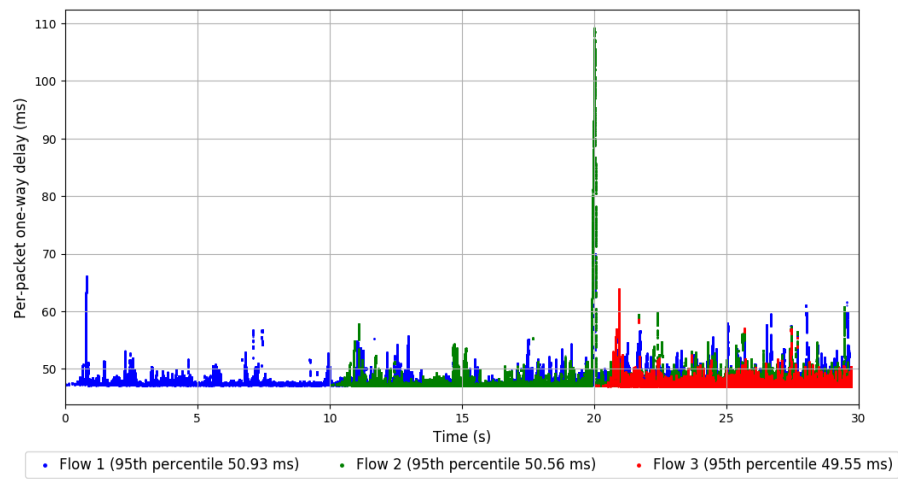
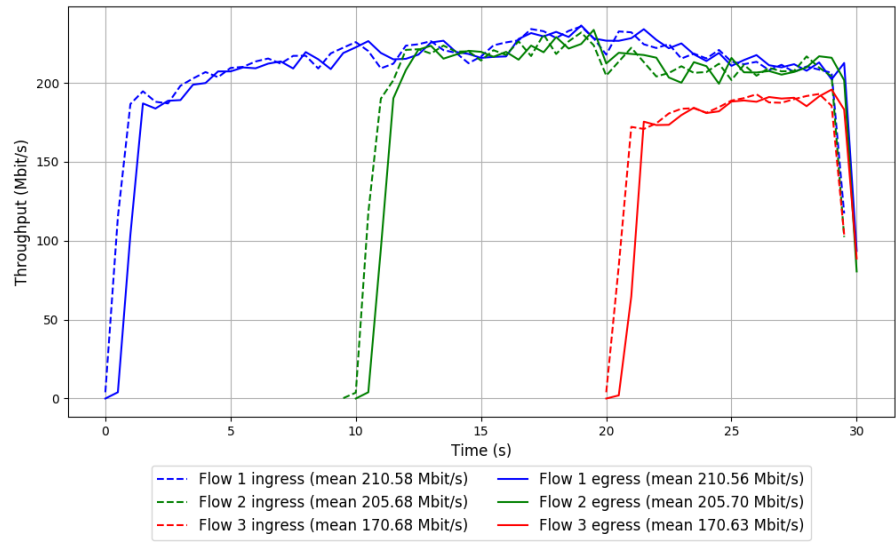


Run 3: Statistics of Indigo

Start at: 2019-07-18 22:15:40
End at: 2019-07-18 22:16:10
Local clock offset: -0.059 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2019-07-19 01:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 402.51 Mbit/s
95th percentile per-packet one-way delay: 50.606 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 210.56 Mbit/s
95th percentile per-packet one-way delay: 50.929 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 205.70 Mbit/s
95th percentile per-packet one-way delay: 50.565 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 170.63 Mbit/s
95th percentile per-packet one-way delay: 49.548 ms
Loss rate: 1.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-07-18 22:56:01

End at: 2019-07-18 22:56:31

Local clock offset: -0.006 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2019-07-19 01:45:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 403.65 Mbit/s

95th percentile per-packet one-way delay: 52.399 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 223.18 Mbit/s

95th percentile per-packet one-way delay: 53.802 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 190.71 Mbit/s

95th percentile per-packet one-way delay: 50.644 ms

Loss rate: 0.50%

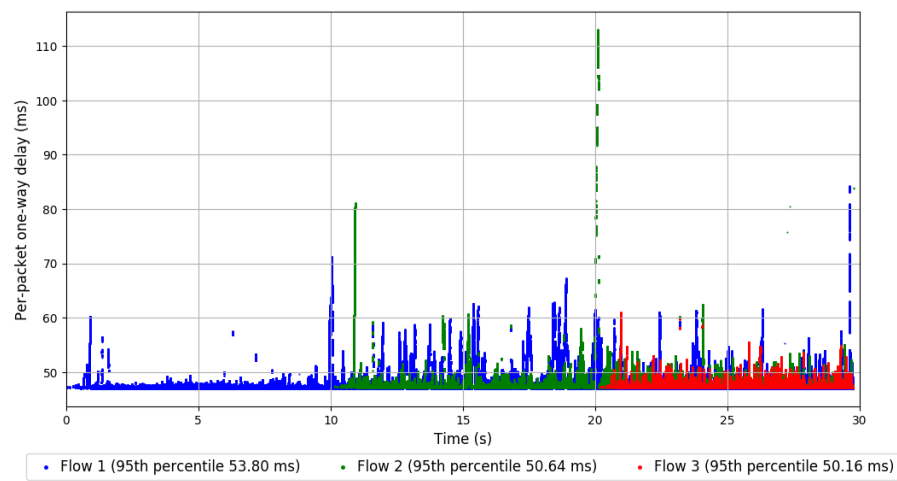
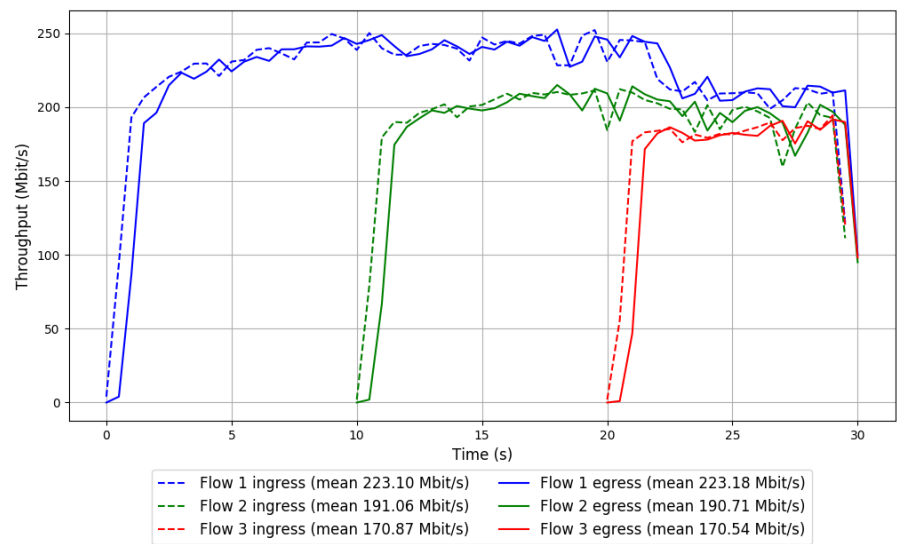
-- Flow 3:

Average throughput: 170.54 Mbit/s

95th percentile per-packet one-way delay: 50.159 ms

Loss rate: 1.17%

Run 4: Report of Indigo — Data Link

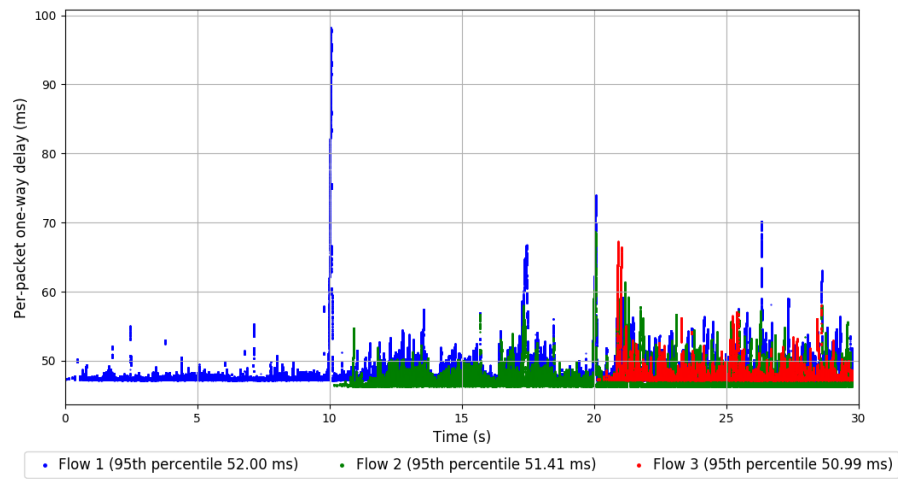
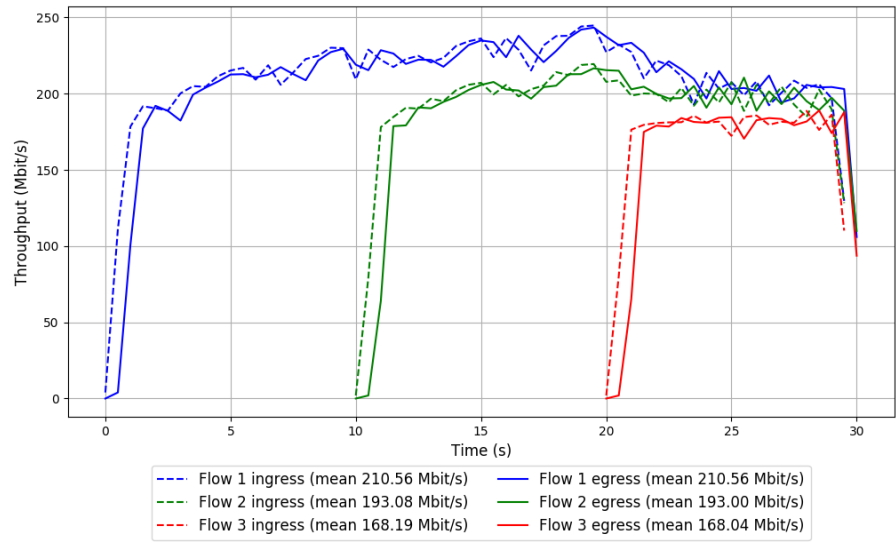


Run 5: Statistics of Indigo

Start at: 2019-07-18 23:36:54
End at: 2019-07-18 23:37:24
Local clock offset: -0.098 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2019-07-19 01:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 392.40 Mbit/s
95th percentile per-packet one-way delay: 51.688 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 210.56 Mbit/s
95th percentile per-packet one-way delay: 52.004 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 193.00 Mbit/s
95th percentile per-packet one-way delay: 51.415 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 168.04 Mbit/s
95th percentile per-packet one-way delay: 50.989 ms
Loss rate: 1.06%

Run 5: Report of Indigo — Data Link

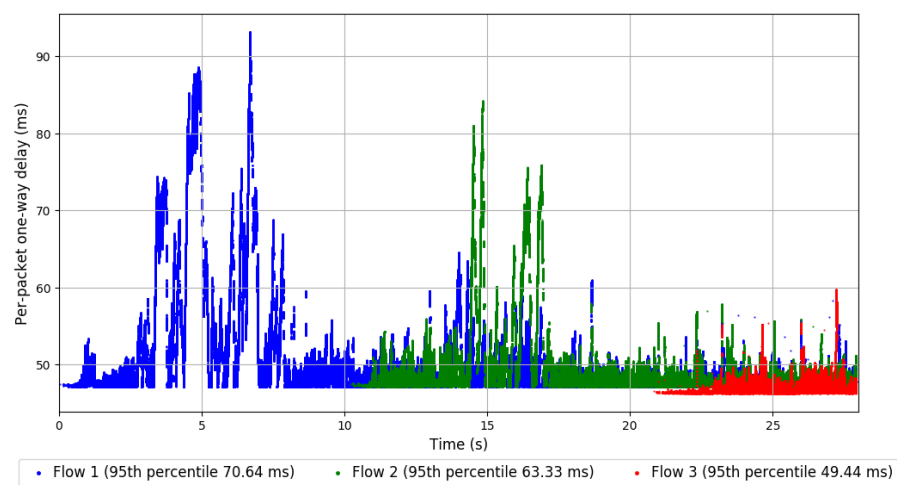
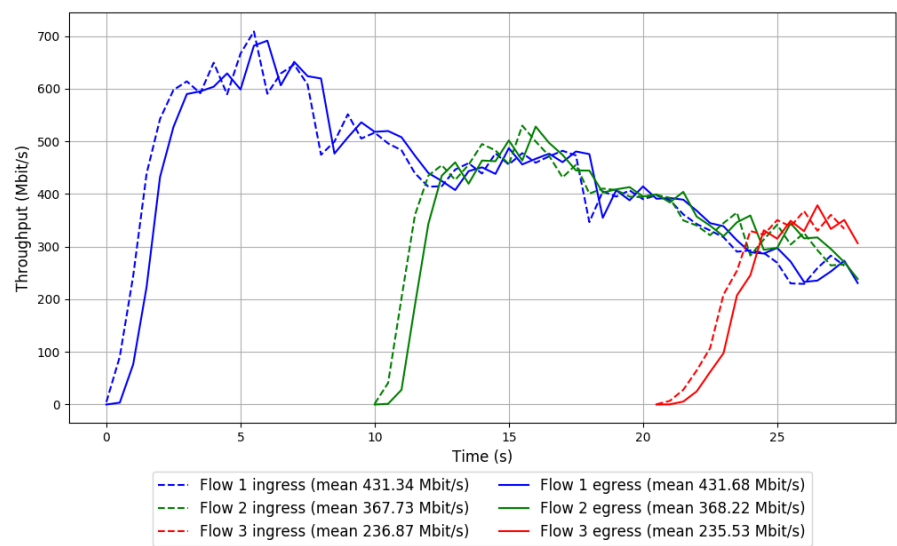


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-07-18 21:21:05
End at: 2019-07-18 21:21:35
Local clock offset: -0.06 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-07-19 01:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 725.71 Mbit/s
95th percentile per-packet one-way delay: 67.415 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 431.68 Mbit/s
95th percentile per-packet one-way delay: 70.643 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 368.22 Mbit/s
95th percentile per-packet one-way delay: 63.332 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 235.53 Mbit/s
95th percentile per-packet one-way delay: 49.436 ms
Loss rate: 1.93%

Run 1: Report of Indigo-MusesC3 — Data Link

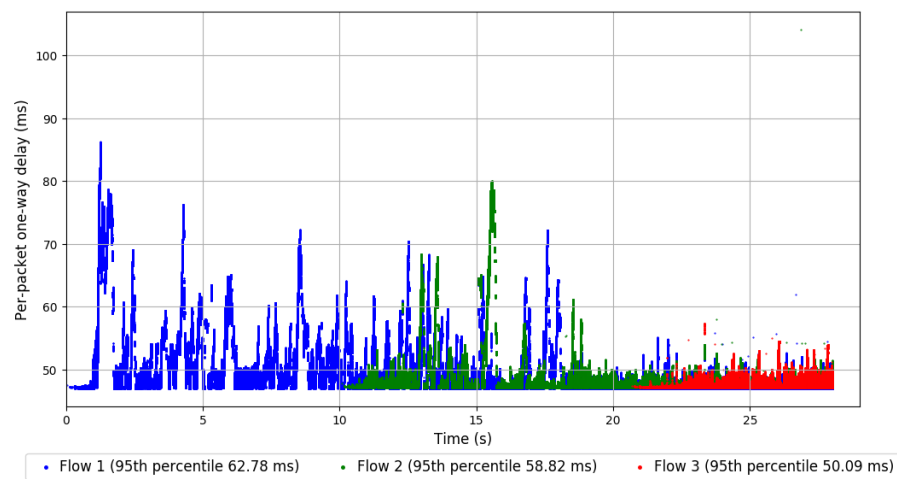
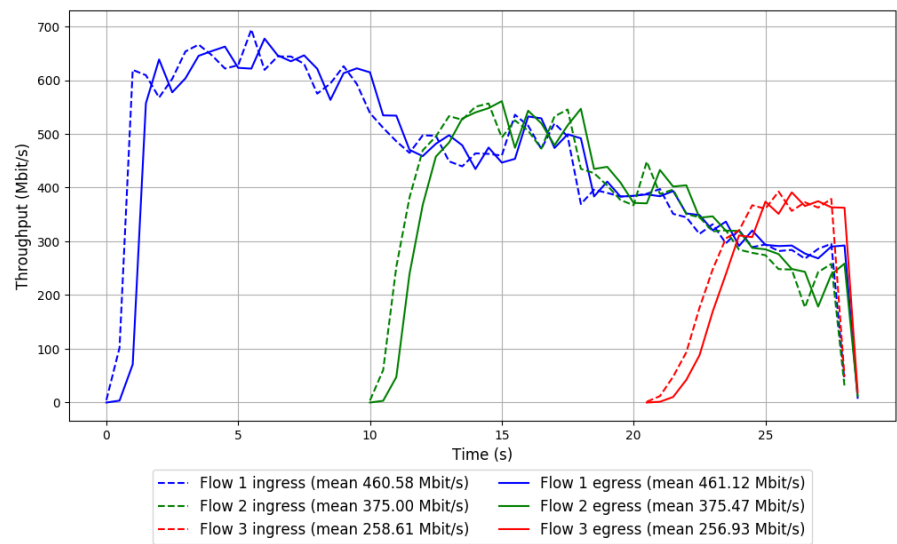


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-07-18 22:01:36
End at: 2019-07-18 22:02:06
Local clock offset: -0.101 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2019-07-19 01:48:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 769.43 Mbit/s
95th percentile per-packet one-way delay: 61.305 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 461.12 Mbit/s
95th percentile per-packet one-way delay: 62.780 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 375.47 Mbit/s
95th percentile per-packet one-way delay: 58.816 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 256.93 Mbit/s
95th percentile per-packet one-way delay: 50.086 ms
Loss rate: 1.92%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-07-18 22:42:15

End at: 2019-07-18 22:42:45

Local clock offset: -0.019 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2019-07-19 01:52:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 698.68 Mbit/s

95th percentile per-packet one-way delay: 76.791 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 424.33 Mbit/s

95th percentile per-packet one-way delay: 82.613 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 361.78 Mbit/s

95th percentile per-packet one-way delay: 49.977 ms

Loss rate: 0.47%

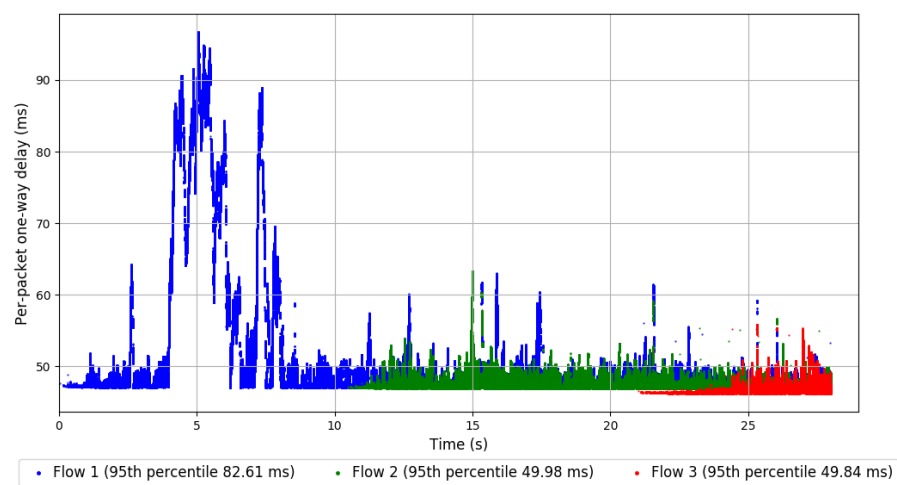
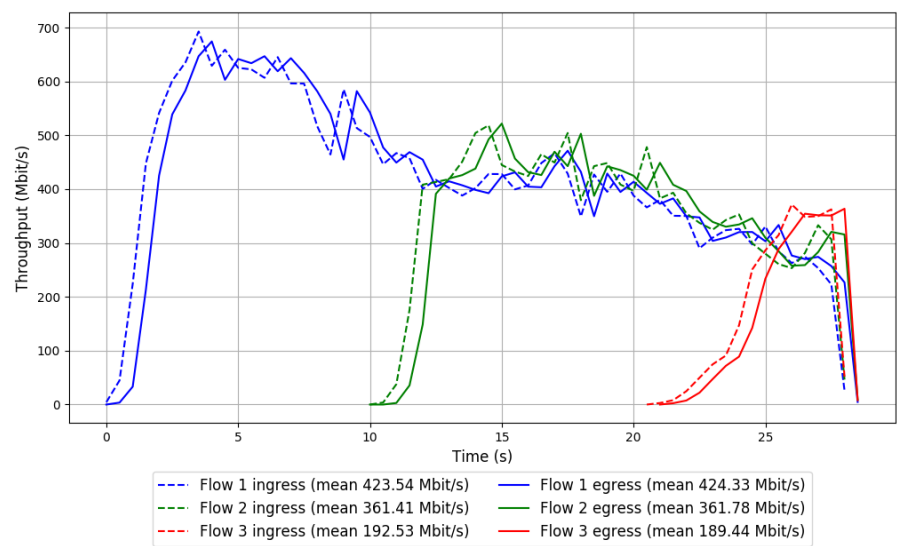
-- Flow 3:

Average throughput: 189.44 Mbit/s

95th percentile per-packet one-way delay: 49.835 ms

Loss rate: 2.91%

Run 3: Report of Indigo-MusesC3 — Data Link

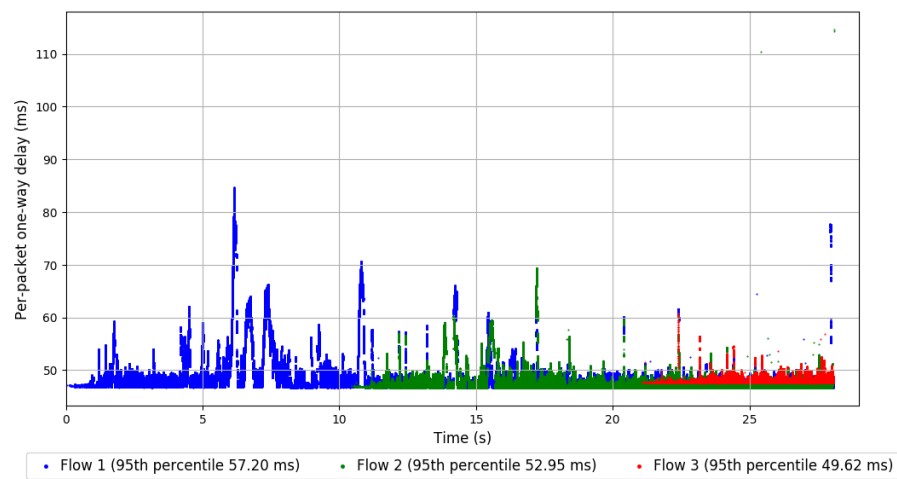
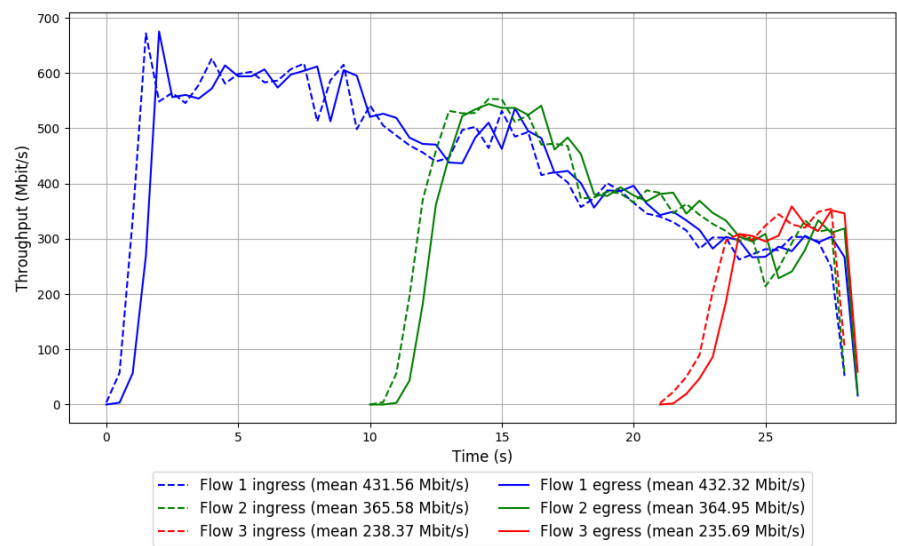


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-07-18 23:22:52
End at: 2019-07-18 23:23:22
Local clock offset: 0.368 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-07-19 01:53:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 720.42 Mbit/s
95th percentile per-packet one-way delay: 55.095 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 432.32 Mbit/s
95th percentile per-packet one-way delay: 57.204 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 364.95 Mbit/s
95th percentile per-packet one-way delay: 52.949 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 235.69 Mbit/s
95th percentile per-packet one-way delay: 49.617 ms
Loss rate: 2.44%

Run 4: Report of Indigo-MusesC3 — Data Link

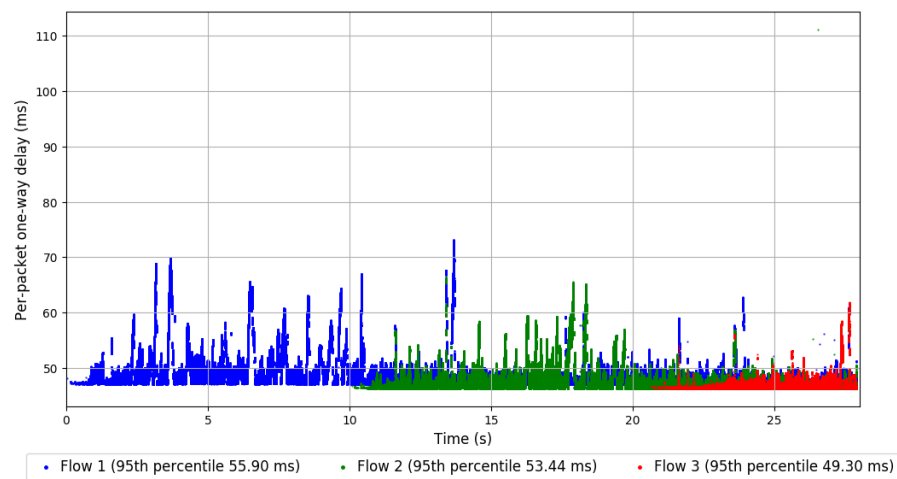
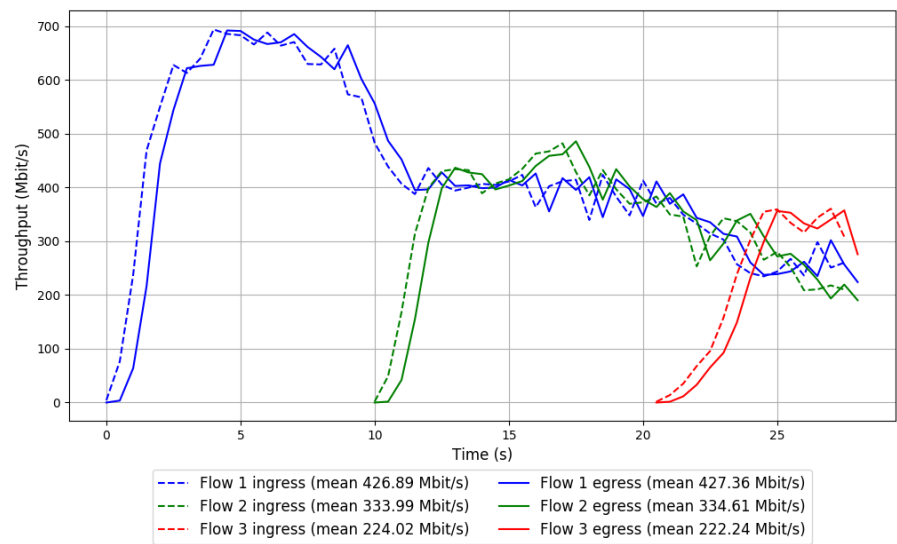


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-07-19 00:03:52
End at: 2019-07-19 00:04:22
Local clock offset: -0.07 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2019-07-19 01:53:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 699.12 Mbit/s
95th percentile per-packet one-way delay: 54.769 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 427.36 Mbit/s
95th percentile per-packet one-way delay: 55.896 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 334.61 Mbit/s
95th percentile per-packet one-way delay: 53.444 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 222.24 Mbit/s
95th percentile per-packet one-way delay: 49.302 ms
Loss rate: 2.05%

Run 5: Report of Indigo-MusesC3 — Data Link

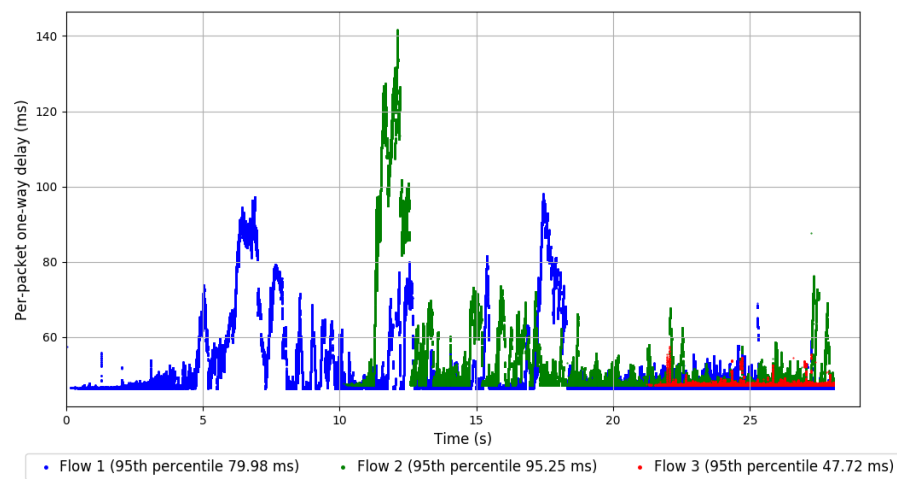
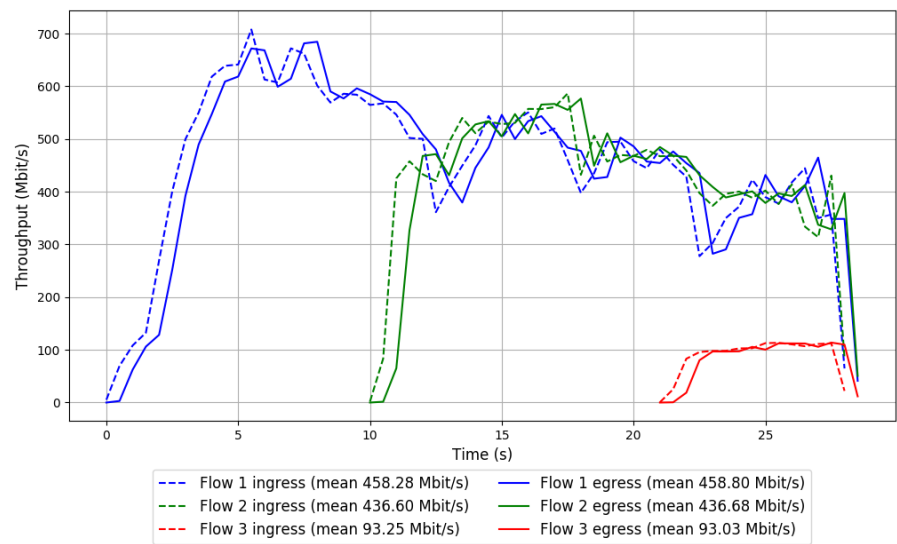


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-07-18 21:15:39
End at: 2019-07-18 21:16:09
Local clock offset: -0.068 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2019-07-19 01:55:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 760.78 Mbit/s
95th percentile per-packet one-way delay: 84.263 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 458.80 Mbit/s
95th percentile per-packet one-way delay: 79.981 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 436.68 Mbit/s
95th percentile per-packet one-way delay: 95.245 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 93.03 Mbit/s
95th percentile per-packet one-way delay: 47.720 ms
Loss rate: 1.64%

Run 1: Report of Indigo-MusesC5 — Data Link

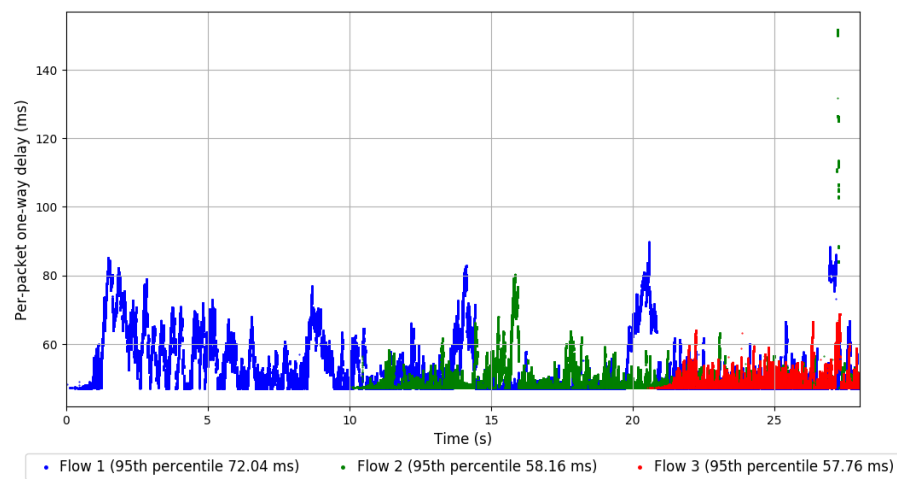
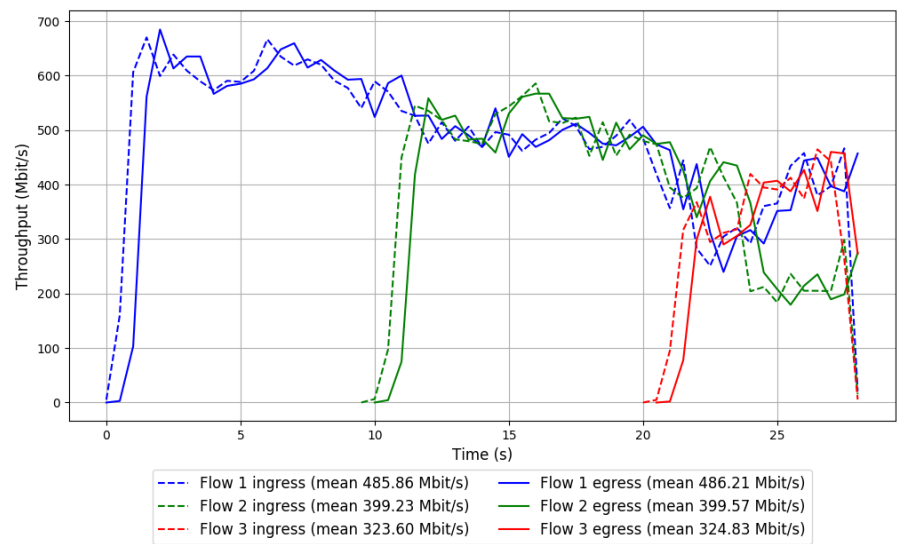


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-07-18 21:56:07
End at: 2019-07-18 21:56:37
Local clock offset: -0.065 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-07-19 01:55:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 829.73 Mbit/s
95th percentile per-packet one-way delay: 68.492 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 486.21 Mbit/s
95th percentile per-packet one-way delay: 72.044 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 399.57 Mbit/s
95th percentile per-packet one-way delay: 58.160 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 324.83 Mbit/s
95th percentile per-packet one-way delay: 57.757 ms
Loss rate: 0.64%

Run 2: Report of Indigo-MusesC5 — Data Link

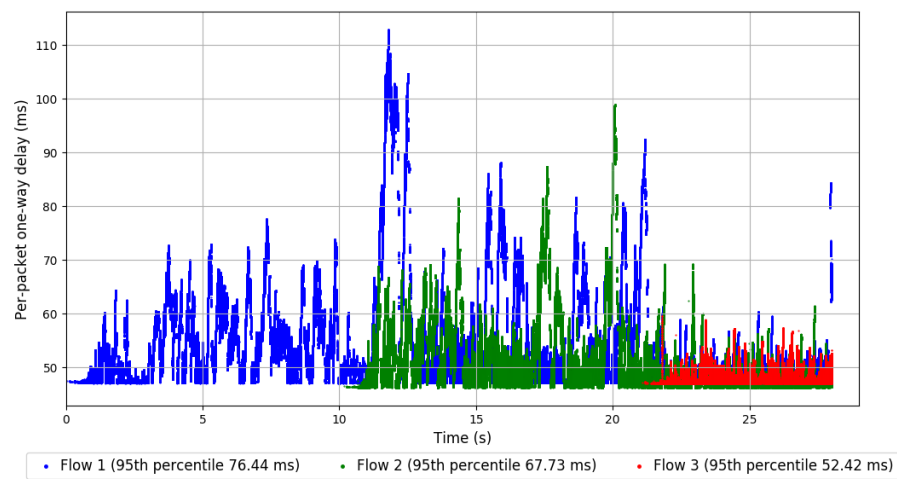
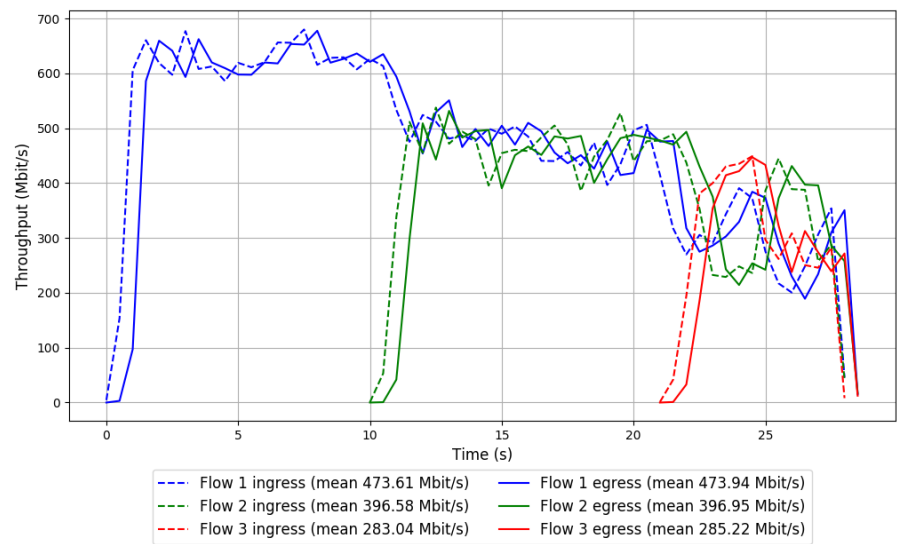


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-07-18 22:36:47
End at: 2019-07-18 22:37:17
Local clock offset: -0.043 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2019-07-19 01:56:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 797.95 Mbit/s
95th percentile per-packet one-way delay: 72.379 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 473.94 Mbit/s
95th percentile per-packet one-way delay: 76.445 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 396.95 Mbit/s
95th percentile per-packet one-way delay: 67.728 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 285.22 Mbit/s
95th percentile per-packet one-way delay: 52.422 ms
Loss rate: 0.65%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-07-18 23:17:25

End at: 2019-07-18 23:17:55

Local clock offset: 0.041 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2019-07-19 01:58:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 768.91 Mbit/s

95th percentile per-packet one-way delay: 143.794 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 499.27 Mbit/s

95th percentile per-packet one-way delay: 118.395 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 383.28 Mbit/s

95th percentile per-packet one-way delay: 153.479 ms

Loss rate: 0.77%

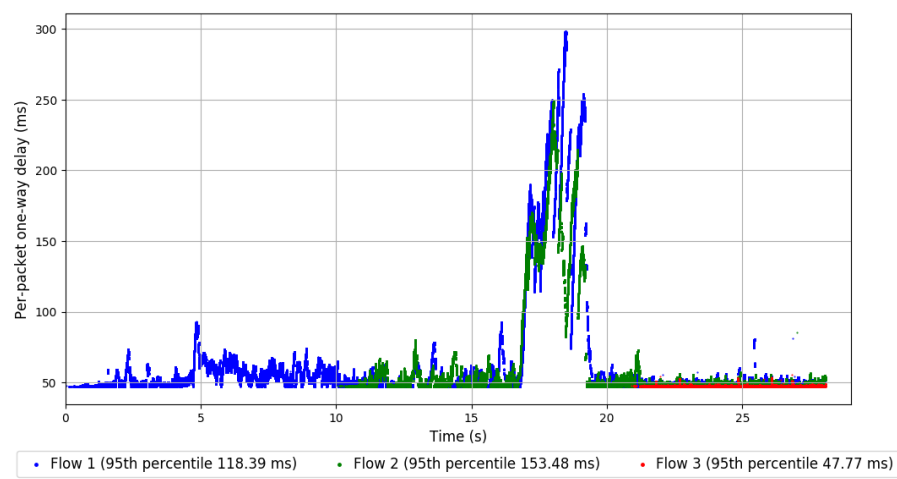
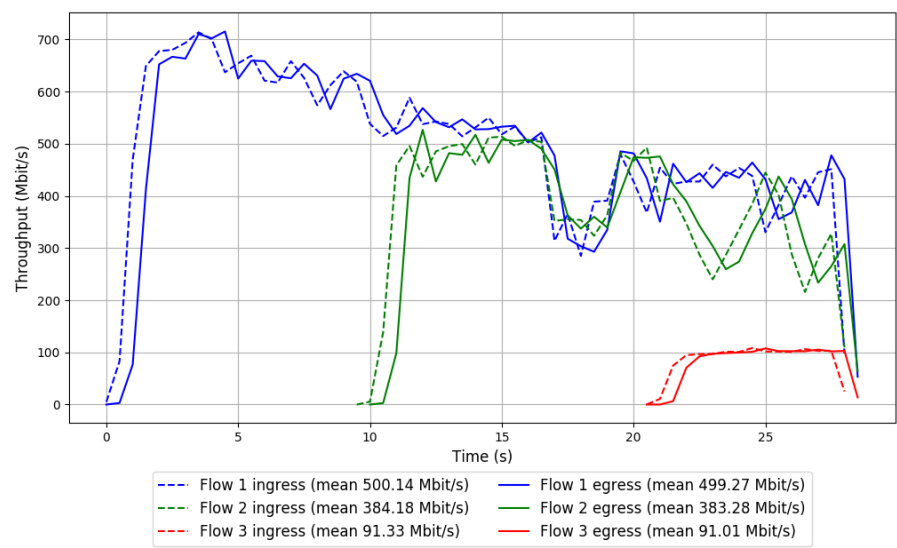
-- Flow 3:

Average throughput: 91.01 Mbit/s

95th percentile per-packet one-way delay: 47.766 ms

Loss rate: 1.66%

Run 4: Report of Indigo-MusesC5 — Data Link

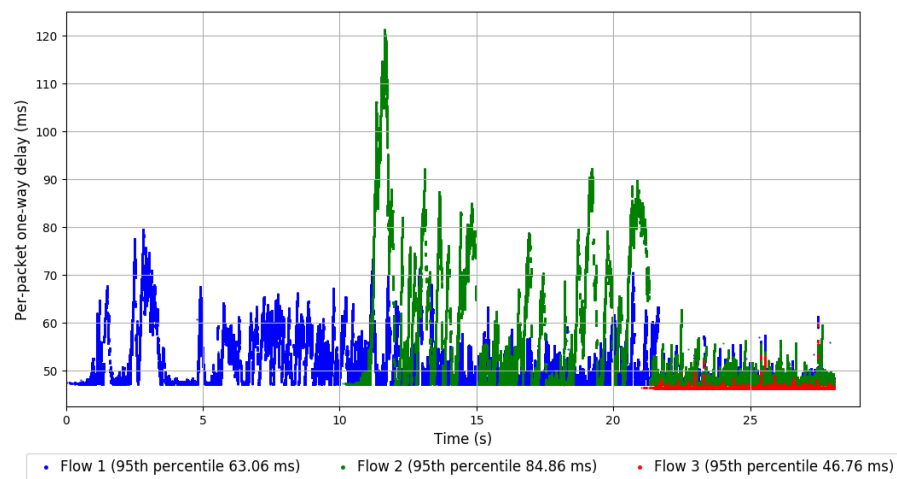
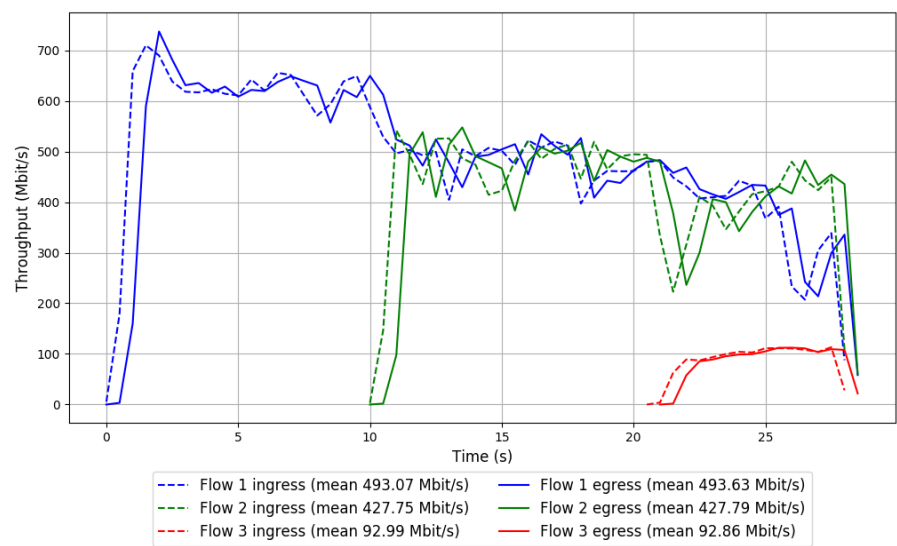


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-07-18 23:58:22
End at: 2019-07-18 23:58:52
Local clock offset: -0.076 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-07-19 02:02:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 791.23 Mbit/s
95th percentile per-packet one-way delay: 75.774 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 493.63 Mbit/s
95th percentile per-packet one-way delay: 63.057 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 427.79 Mbit/s
95th percentile per-packet one-way delay: 84.863 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 46.757 ms
Loss rate: 1.42%

Run 5: Report of Indigo-MusesC5 — Data Link

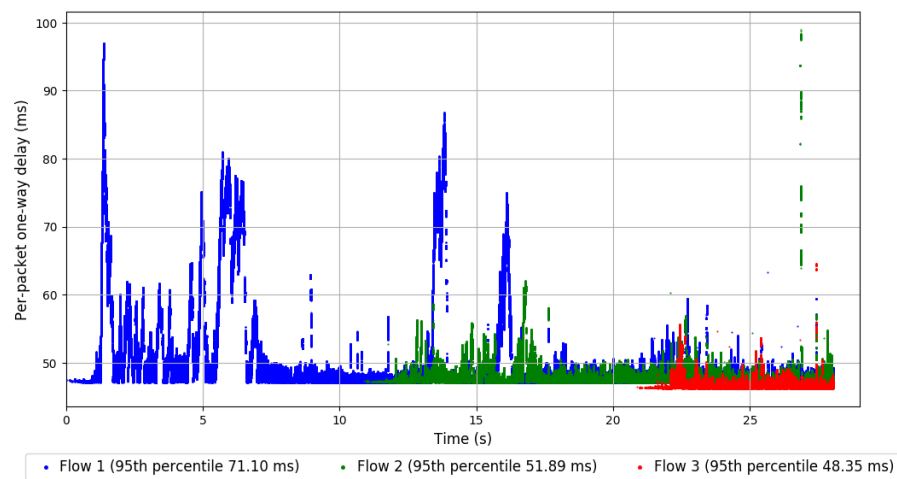
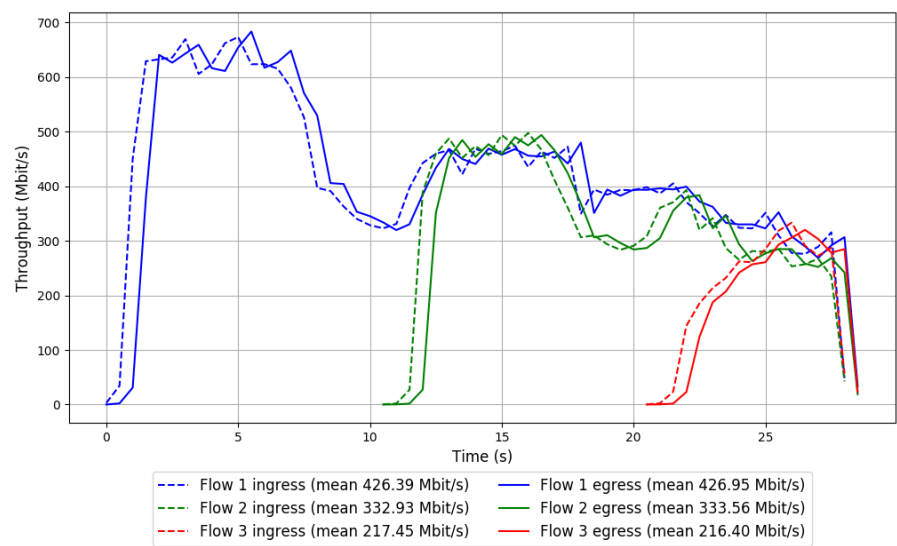


Run 1: Statistics of Indigo-MusesD

Start at: 2019-07-18 21:01:35
End at: 2019-07-18 21:02:05
Local clock offset: -0.099 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2019-07-19 02:04:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 686.88 Mbit/s
95th percentile per-packet one-way delay: 66.083 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 426.95 Mbit/s
95th percentile per-packet one-way delay: 71.101 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 333.56 Mbit/s
95th percentile per-packet one-way delay: 51.886 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 216.40 Mbit/s
95th percentile per-packet one-way delay: 48.347 ms
Loss rate: 1.77%

Run 1: Report of Indigo-MusesD — Data Link

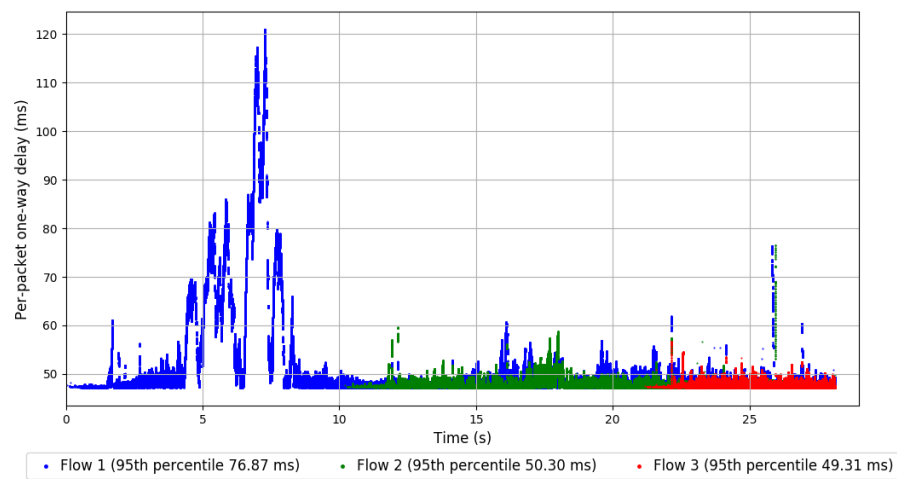
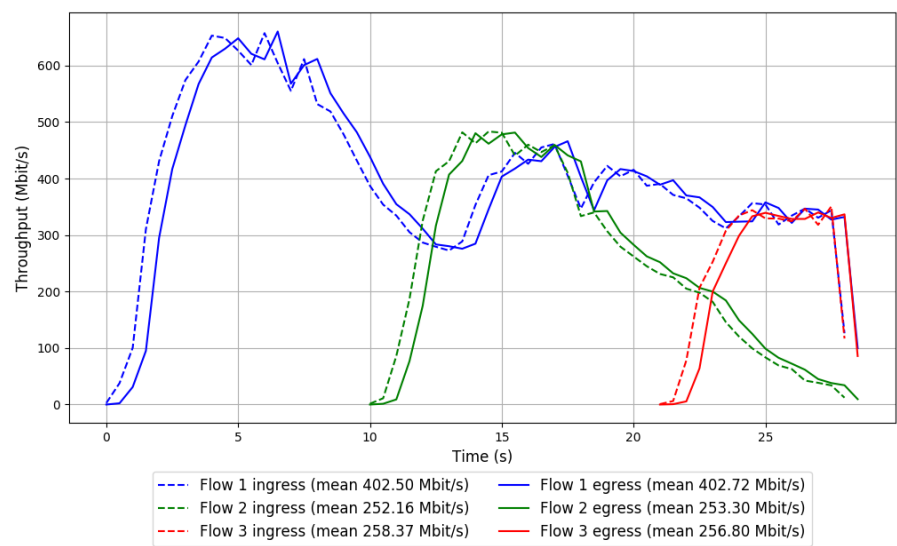


Run 2: Statistics of Indigo-MusesD

Start at: 2019-07-18 21:42:14
End at: 2019-07-18 21:42:44
Local clock offset: -0.076 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2019-07-19 02:04:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 628.12 Mbit/s
95th percentile per-packet one-way delay: 70.781 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 402.72 Mbit/s
95th percentile per-packet one-way delay: 76.867 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 253.30 Mbit/s
95th percentile per-packet one-way delay: 50.297 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 256.80 Mbit/s
95th percentile per-packet one-way delay: 49.312 ms
Loss rate: 1.94%

Run 2: Report of Indigo-MusesD — Data Link

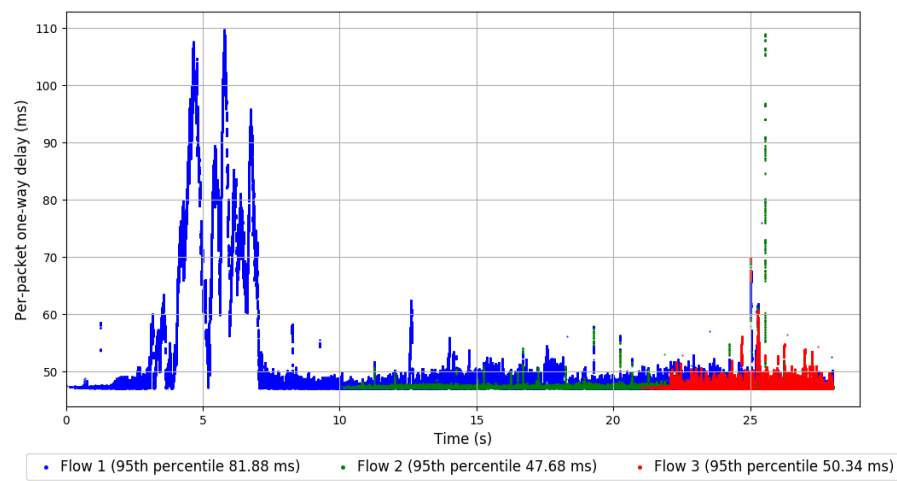
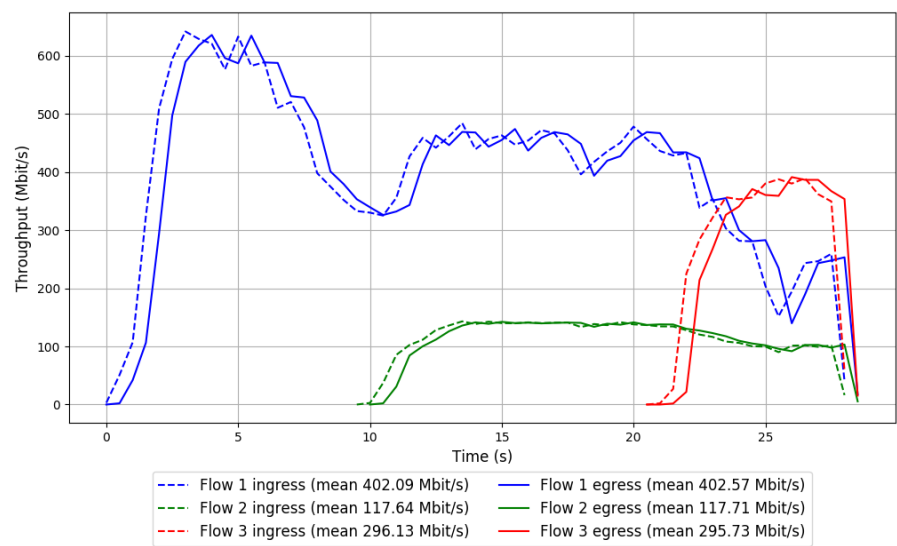


Run 3: Statistics of Indigo-MusesD

Start at: 2019-07-18 22:22:49
End at: 2019-07-18 22:23:19
Local clock offset: -0.024 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-07-19 02:04:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 552.61 Mbit/s
95th percentile per-packet one-way delay: 76.915 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 402.57 Mbit/s
95th percentile per-packet one-way delay: 81.881 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 117.71 Mbit/s
95th percentile per-packet one-way delay: 47.682 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 295.73 Mbit/s
95th percentile per-packet one-way delay: 50.343 ms
Loss rate: 1.61%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-07-18 23:03:14

End at: 2019-07-18 23:03:44

Local clock offset: 0.034 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2019-07-19 02:06:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 671.91 Mbit/s

95th percentile per-packet one-way delay: 55.786 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 400.16 Mbit/s

95th percentile per-packet one-way delay: 56.906 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 336.73 Mbit/s

95th percentile per-packet one-way delay: 55.530 ms

Loss rate: 0.39%

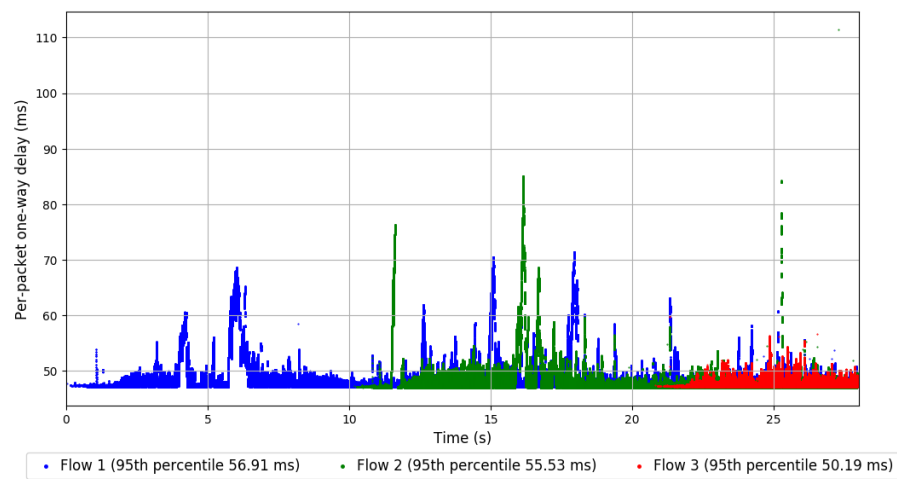
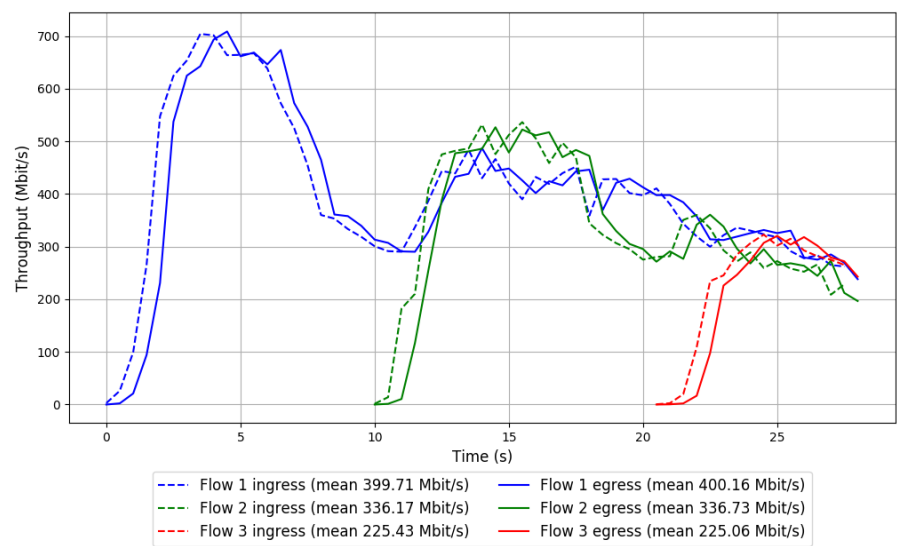
-- Flow 3:

Average throughput: 225.06 Mbit/s

95th percentile per-packet one-way delay: 50.188 ms

Loss rate: 1.49%

Run 4: Report of Indigo-MusesD — Data Link

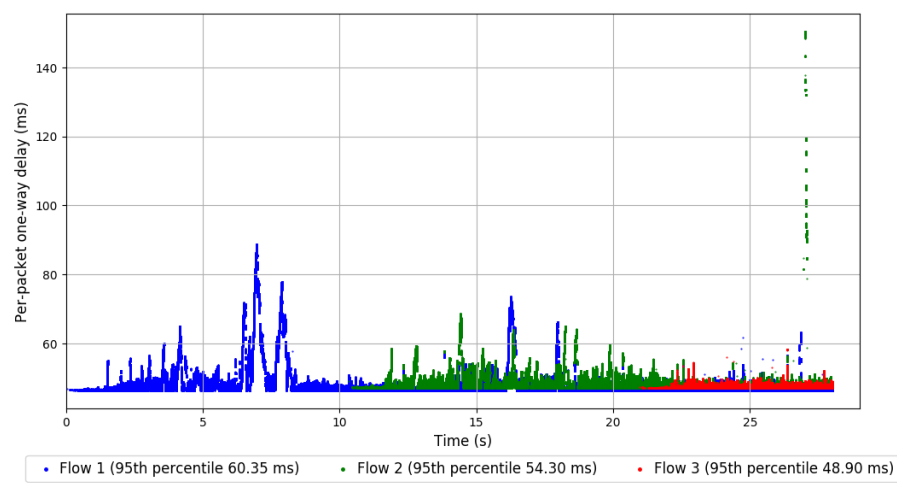
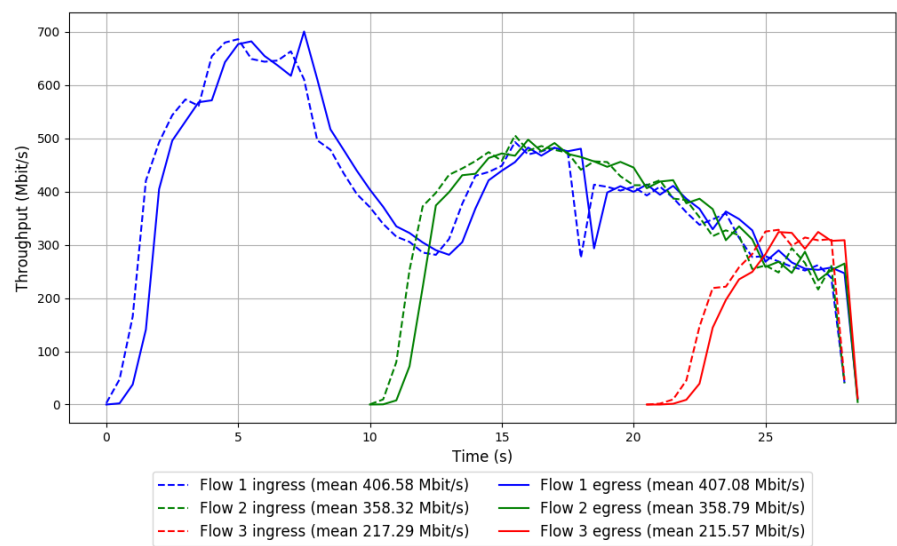


Run 5: Statistics of Indigo-MusesD

Start at: 2019-07-18 23:44:13
End at: 2019-07-18 23:44:43
Local clock offset: -0.03 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-07-19 02:07:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 688.25 Mbit/s
95th percentile per-packet one-way delay: 57.368 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 407.08 Mbit/s
95th percentile per-packet one-way delay: 60.354 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 358.79 Mbit/s
95th percentile per-packet one-way delay: 54.297 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 215.57 Mbit/s
95th percentile per-packet one-way delay: 48.896 ms
Loss rate: 2.12%

Run 5: Report of Indigo-MusesD — Data Link

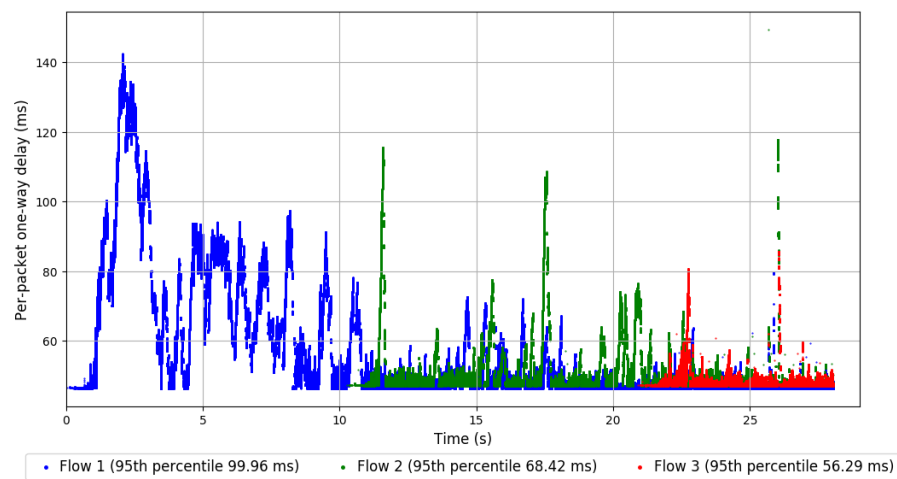
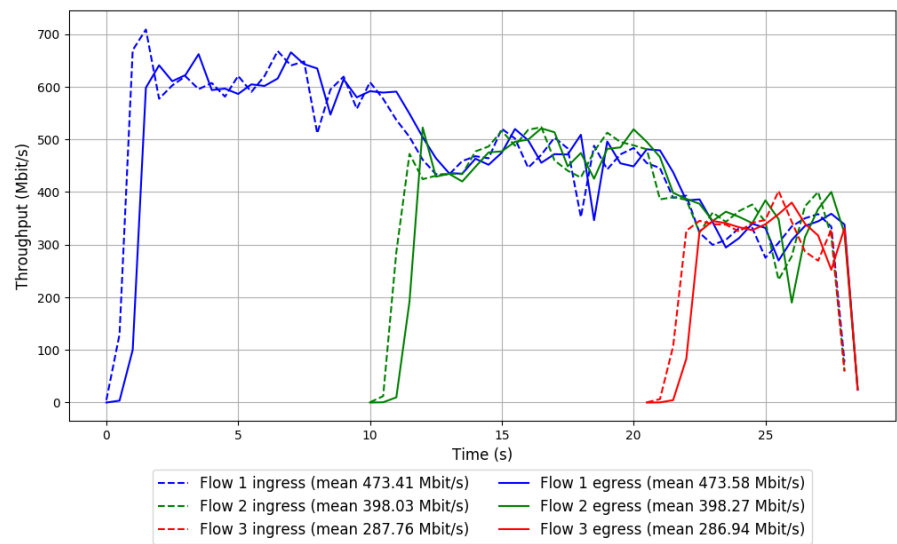


Run 1: Statistics of Indigo-MusesT

Start at: 2019-07-18 21:08:15
End at: 2019-07-18 21:08:45
Local clock offset: -0.037 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-07-19 02:10:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 799.68 Mbit/s
95th percentile per-packet one-way delay: 90.040 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 473.58 Mbit/s
95th percentile per-packet one-way delay: 99.960 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 398.27 Mbit/s
95th percentile per-packet one-way delay: 68.418 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 286.94 Mbit/s
95th percentile per-packet one-way delay: 56.289 ms
Loss rate: 1.54%

Run 1: Report of Indigo-MusesT — Data Link

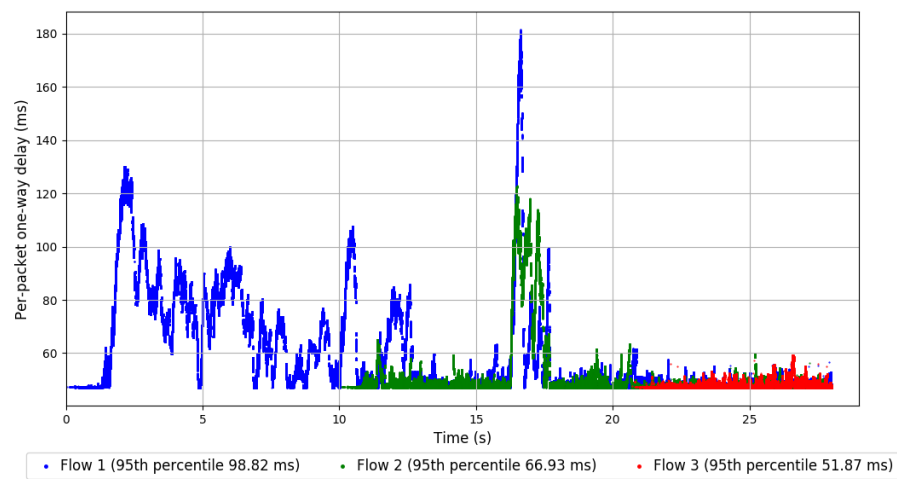
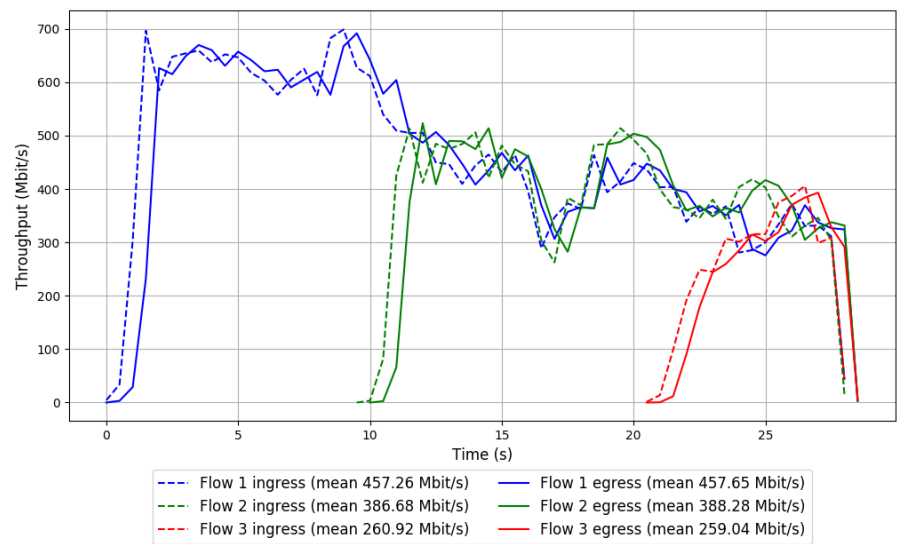


Run 2: Statistics of Indigo-MusesT

Start at: 2019-07-18 21:48:49
End at: 2019-07-18 21:49:19
Local clock offset: -0.066 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-07-19 02:12:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 775.23 Mbit/s
95th percentile per-packet one-way delay: 93.424 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 457.65 Mbit/s
95th percentile per-packet one-way delay: 98.824 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 388.28 Mbit/s
95th percentile per-packet one-way delay: 66.932 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 259.04 Mbit/s
95th percentile per-packet one-way delay: 51.869 ms
Loss rate: 2.01%

Run 2: Report of Indigo-MusesT — Data Link

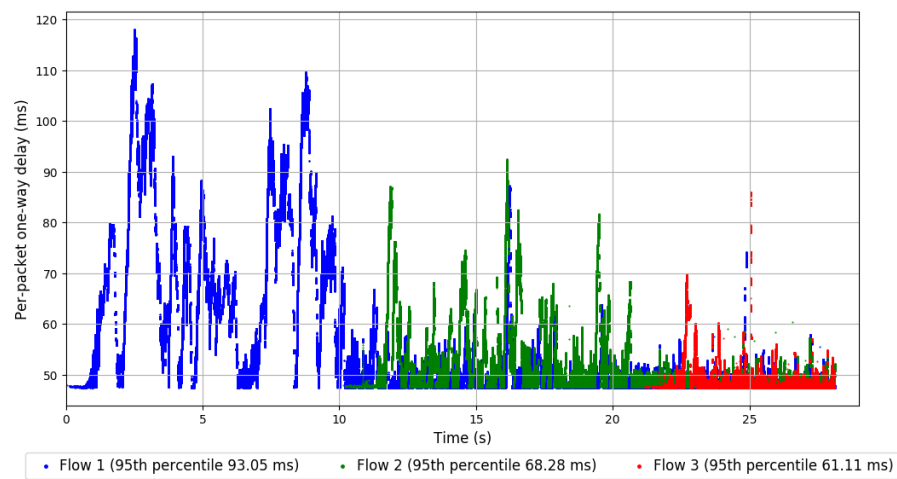
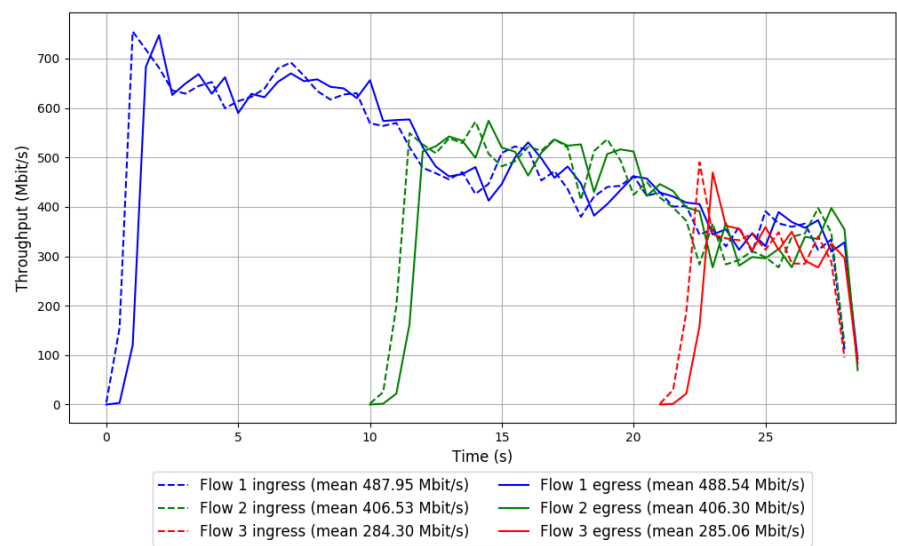


Run 3: Statistics of Indigo-MusesT

Start at: 2019-07-18 22:29:22
End at: 2019-07-18 22:29:52
Local clock offset: 0.385 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2019-07-19 02:16:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 819.70 Mbit/s
95th percentile per-packet one-way delay: 85.898 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 488.54 Mbit/s
95th percentile per-packet one-way delay: 93.047 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 406.30 Mbit/s
95th percentile per-packet one-way delay: 68.283 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 285.06 Mbit/s
95th percentile per-packet one-way delay: 61.112 ms
Loss rate: 1.17%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-07-18 23:10:00

End at: 2019-07-18 23:10:30

Local clock offset: 0.022 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2019-07-19 02:16:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 802.43 Mbit/s

95th percentile per-packet one-way delay: 88.977 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 479.03 Mbit/s

95th percentile per-packet one-way delay: 95.270 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 404.63 Mbit/s

95th percentile per-packet one-way delay: 60.482 ms

Loss rate: 0.47%

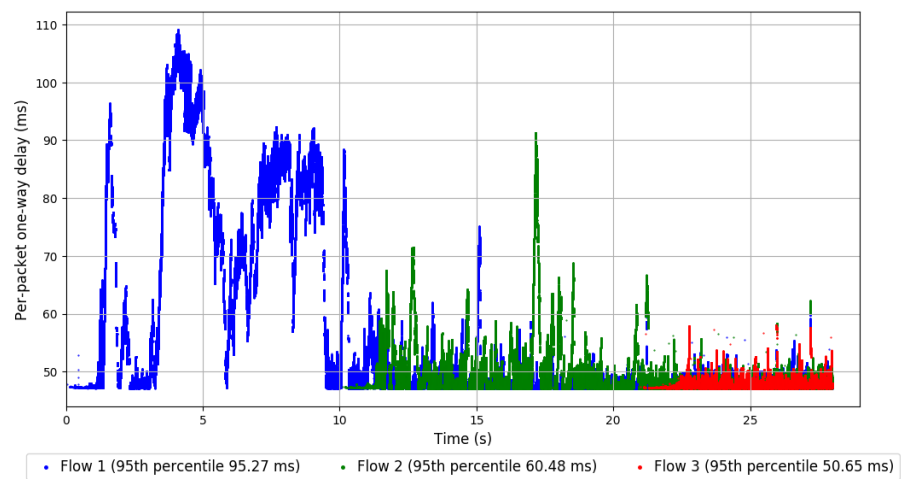
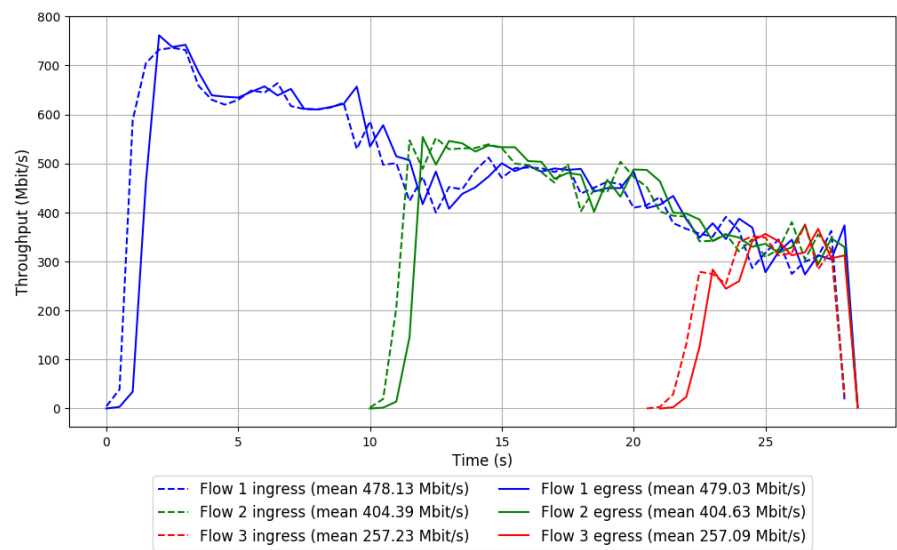
-- Flow 3:

Average throughput: 257.09 Mbit/s

95th percentile per-packet one-way delay: 50.648 ms

Loss rate: 1.41%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-07-18 23:50:55

End at: 2019-07-18 23:51:25

Local clock offset: -0.048 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-07-19 02:16:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 760.32 Mbit/s

95th percentile per-packet one-way delay: 82.593 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 474.71 Mbit/s

95th percentile per-packet one-way delay: 86.683 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 403.16 Mbit/s

95th percentile per-packet one-way delay: 70.650 ms

Loss rate: 0.54%

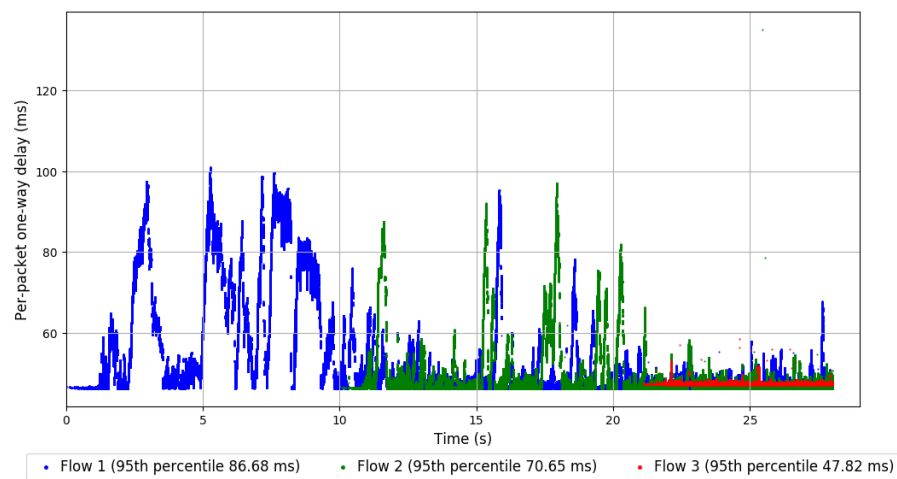
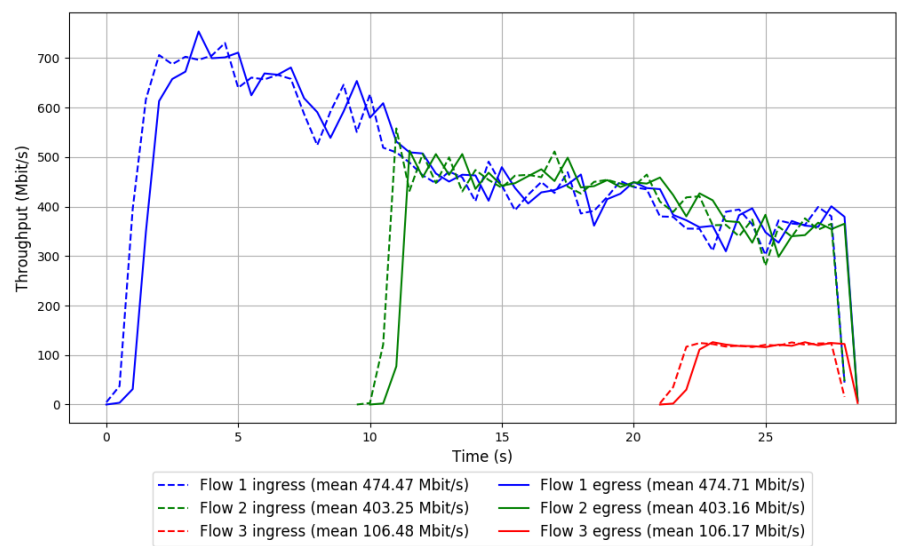
-- Flow 3:

Average throughput: 106.17 Mbit/s

95th percentile per-packet one-way delay: 47.824 ms

Loss rate: 1.62%

Run 5: Report of Indigo-MusesT — Data Link

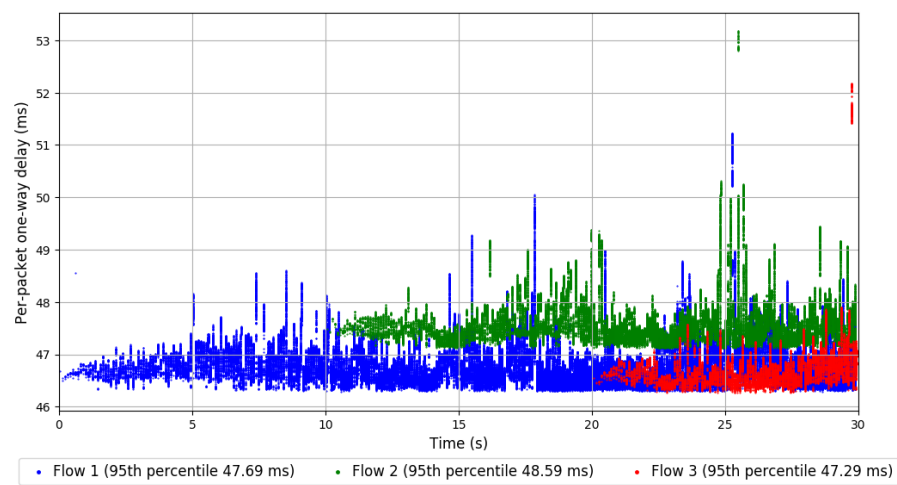
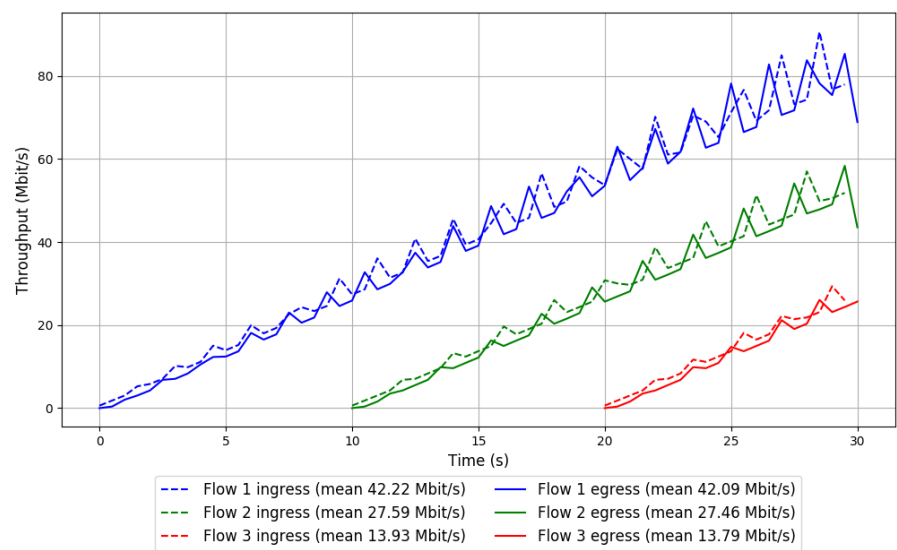


```
Run 1: Statistics of LEDBAT

Start at: 2019-07-18 21:06:57
End at: 2019-07-18 21:07:27
Local clock offset: -0.061 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2019-07-19 02:16:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.81 Mbit/s
95th percentile per-packet one-way delay: 48.007 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 42.09 Mbit/s
95th percentile per-packet one-way delay: 47.686 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 27.46 Mbit/s
95th percentile per-packet one-way delay: 48.593 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 13.79 Mbit/s
95th percentile per-packet one-way delay: 47.292 ms
Loss rate: 1.91%
```

Run 1: Report of LEDBAT — Data Link

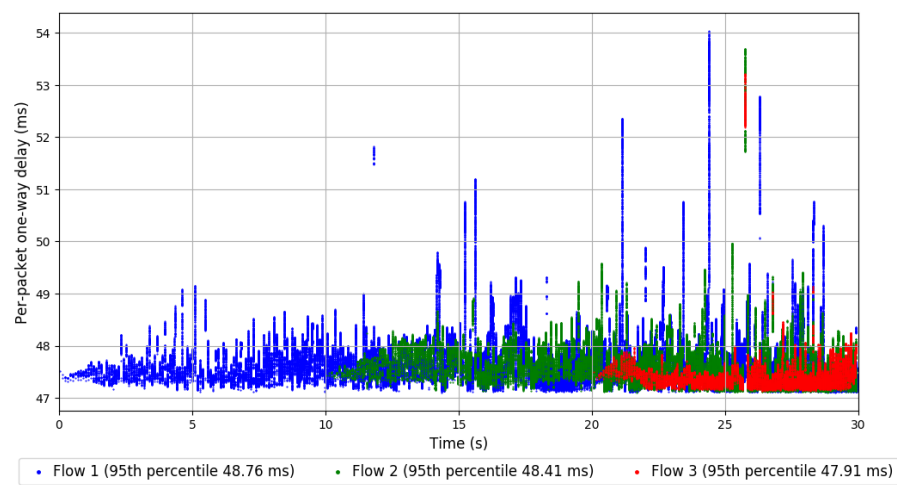
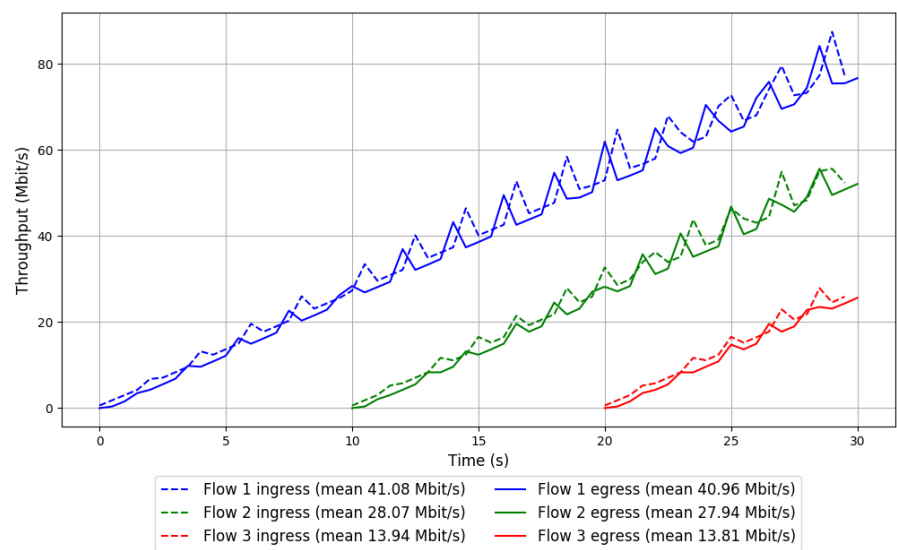


Run 2: Statistics of LEDBAT

Start at: 2019-07-18 21:47:31
End at: 2019-07-18 21:48:01
Local clock offset: -0.087 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2019-07-19 02:16:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.07 Mbit/s
95th percentile per-packet one-way delay: 48.612 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 48.761 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 27.94 Mbit/s
95th percentile per-packet one-way delay: 48.405 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 13.81 Mbit/s
95th percentile per-packet one-way delay: 47.909 ms
Loss rate: 1.91%

Run 2: Report of LEDBAT — Data Link

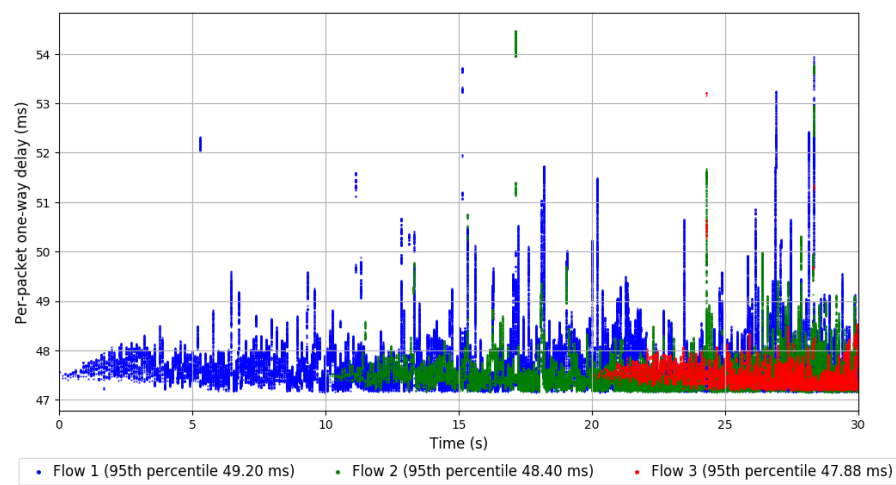
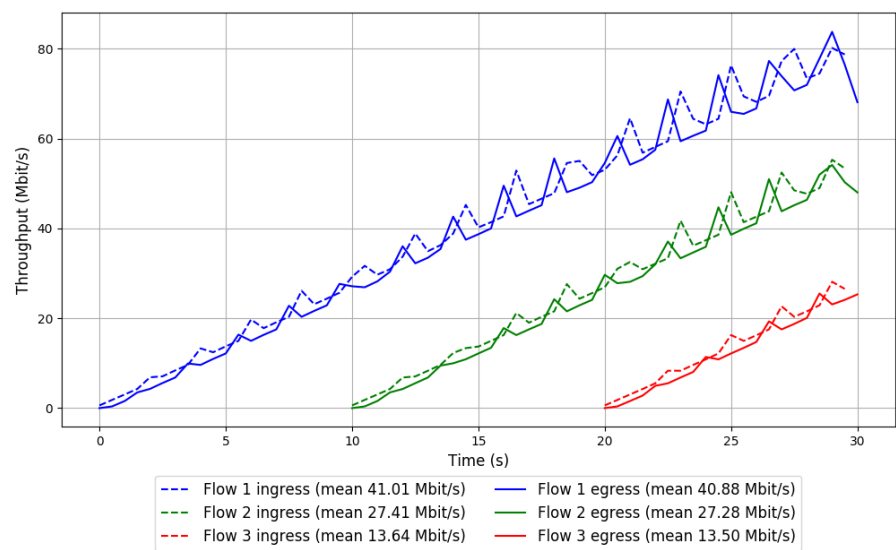


Run 3: Statistics of LEDBAT

Start at: 2019-07-18 22:28:04
End at: 2019-07-18 22:28:34
Local clock offset: -0.023 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2019-07-19 02:16:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.48 Mbit/s
95th percentile per-packet one-way delay: 48.936 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 49.205 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 27.28 Mbit/s
95th percentile per-packet one-way delay: 48.401 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 47.884 ms
Loss rate: 1.93%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-07-18 23:08:42

End at: 2019-07-18 23:09:12

Local clock offset: -0.019 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2019-07-19 02:16:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.72 Mbit/s

95th percentile per-packet one-way delay: 48.701 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 41.03 Mbit/s

95th percentile per-packet one-way delay: 48.863 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 27.45 Mbit/s

95th percentile per-packet one-way delay: 48.418 ms

Loss rate: 0.95%

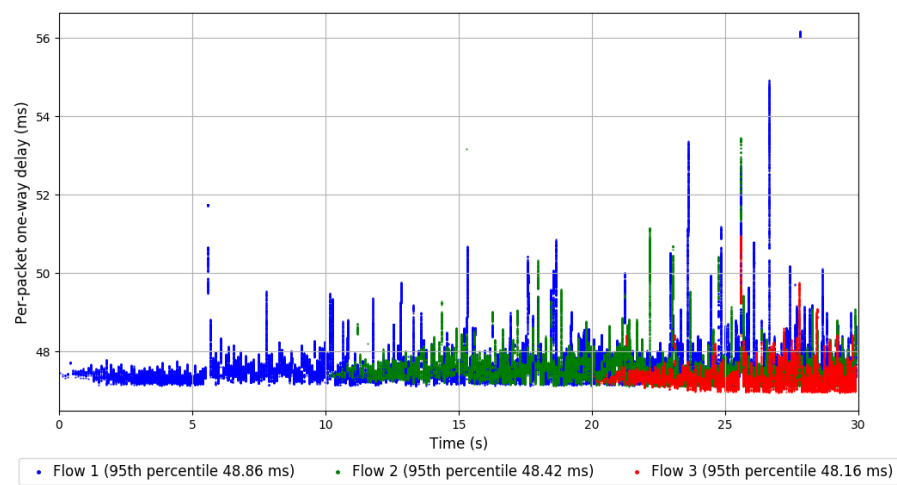
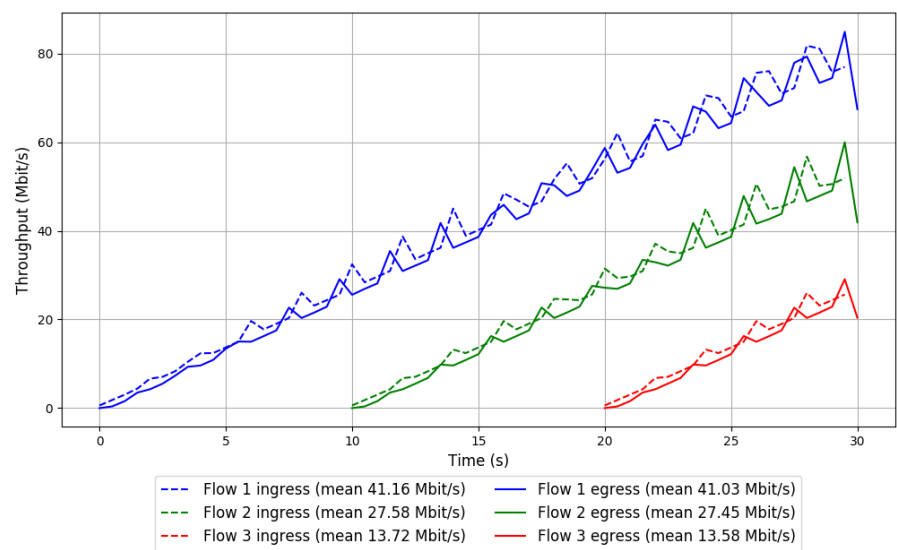
-- Flow 3:

Average throughput: 13.58 Mbit/s

95th percentile per-packet one-way delay: 48.160 ms

Loss rate: 1.93%

Run 4: Report of LEDBAT — Data Link

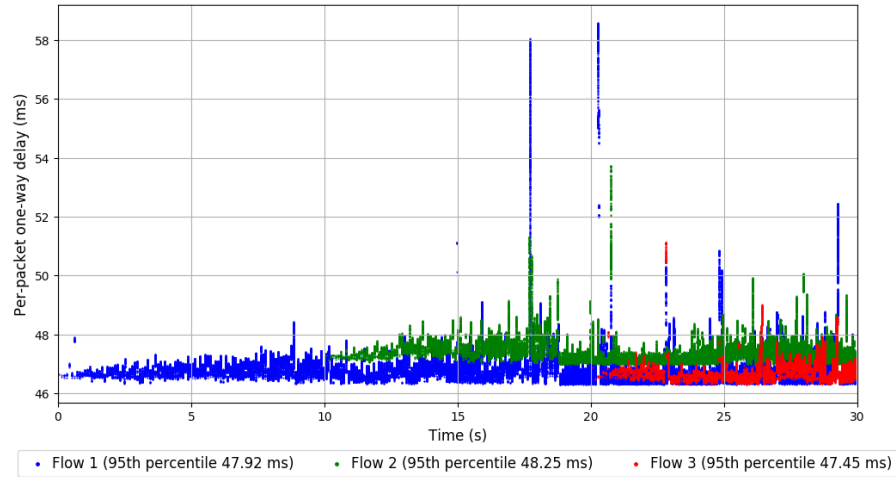
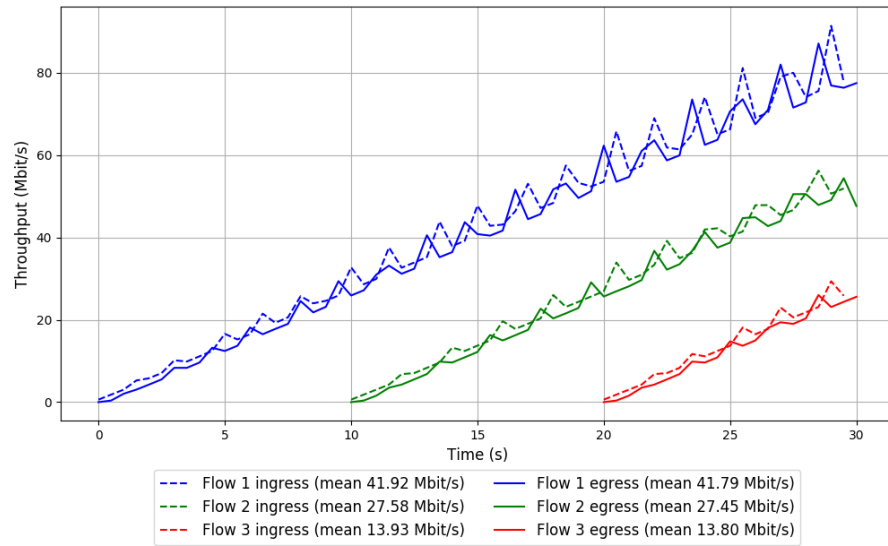


Run 5: Statistics of LEDBAT

Start at: 2019-07-18 23:49:37
End at: 2019-07-18 23:50:07
Local clock offset: -0.081 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2019-07-19 02:16:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.57 Mbit/s
95th percentile per-packet one-way delay: 48.044 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 41.79 Mbit/s
95th percentile per-packet one-way delay: 47.924 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 48.251 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 13.80 Mbit/s
95th percentile per-packet one-way delay: 47.447 ms
Loss rate: 1.90%

Run 5: Report of LEDBAT — Data Link

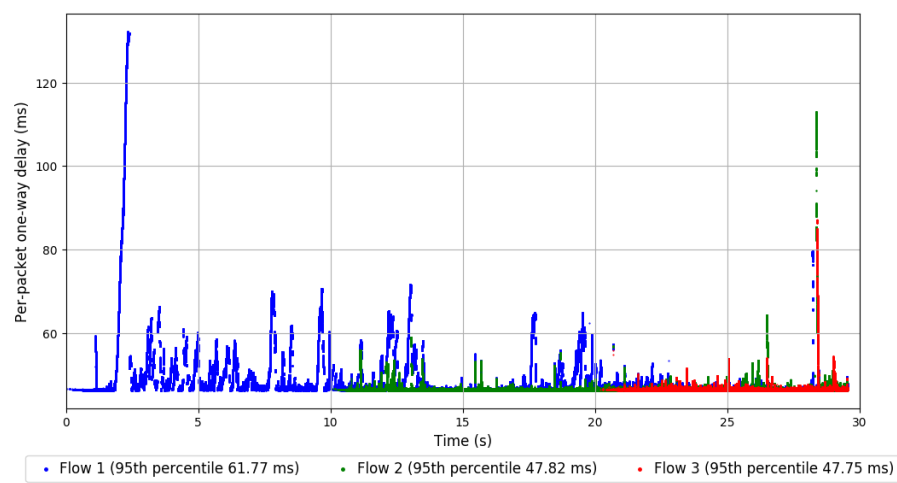
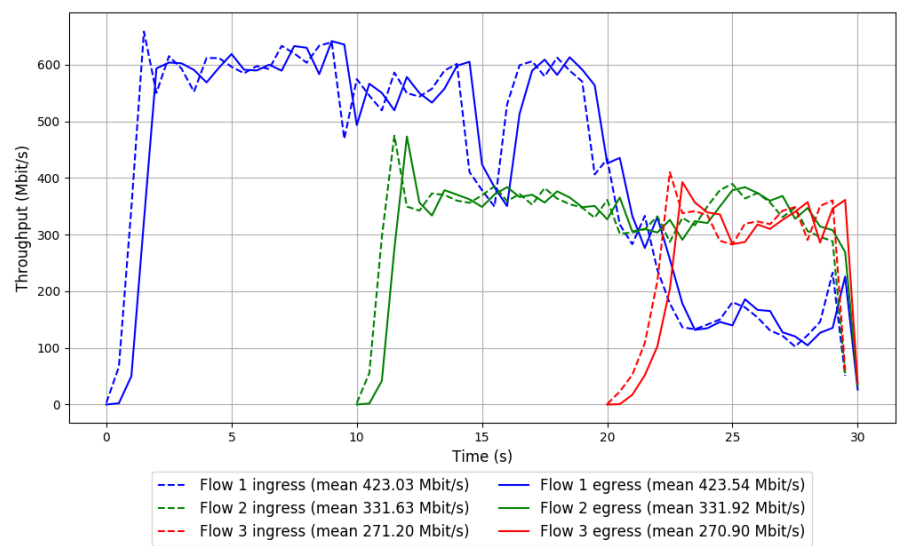


Run 1: Statistics of Muses_DecisionTree

Start at: 2019-07-18 21:10:04
End at: 2019-07-18 21:10:34
Local clock offset: -0.067 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2019-07-19 02:22:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 728.15 Mbit/s
95th percentile per-packet one-way delay: 58.110 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 423.54 Mbit/s
95th percentile per-packet one-way delay: 61.773 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 331.92 Mbit/s
95th percentile per-packet one-way delay: 47.819 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 270.90 Mbit/s
95th percentile per-packet one-way delay: 47.748 ms
Loss rate: 1.15%

Run 1: Report of Muses_DecisionTree — Data Link

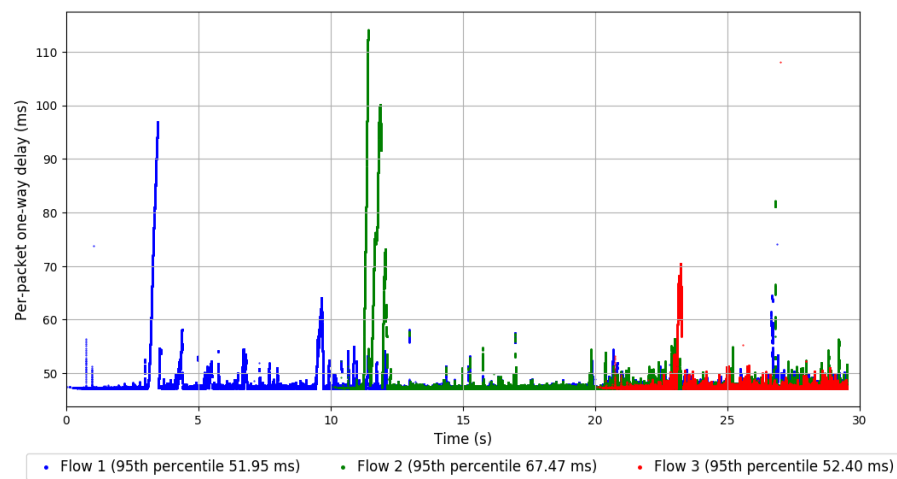
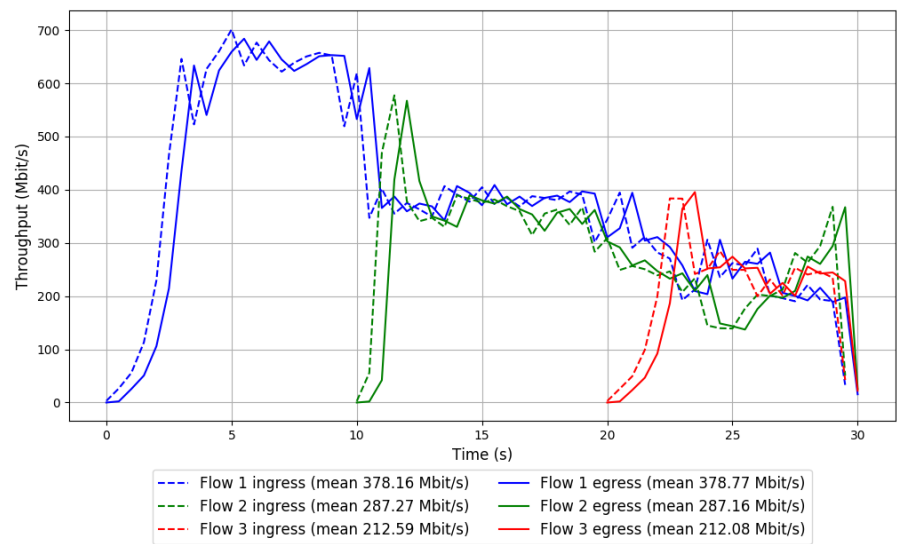


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-07-18 21:50:36
End at: 2019-07-18 21:51:06
Local clock offset: -0.05 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2019-07-19 02:22:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 636.52 Mbit/s
95th percentile per-packet one-way delay: 53.907 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 378.77 Mbit/s
95th percentile per-packet one-way delay: 51.953 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 287.16 Mbit/s
95th percentile per-packet one-way delay: 67.471 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 212.08 Mbit/s
95th percentile per-packet one-way delay: 52.400 ms
Loss rate: 1.23%

Run 2: Report of Muses_DecisionTree — Data Link

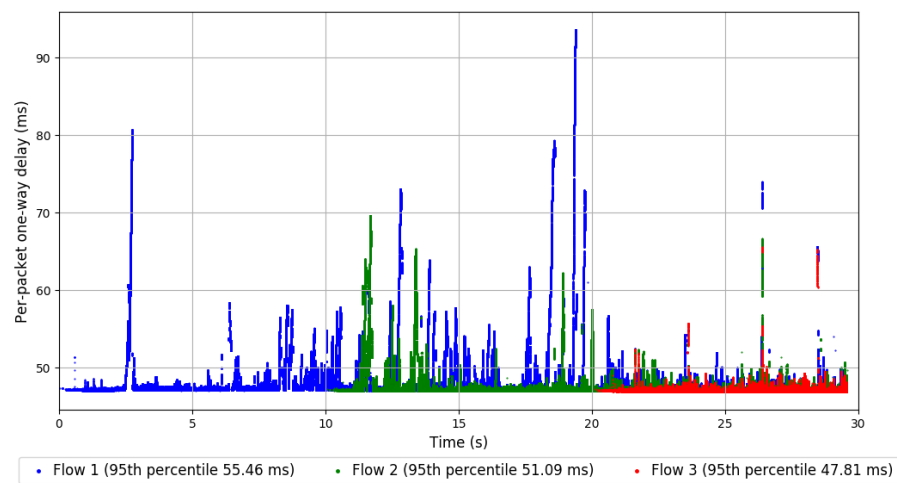
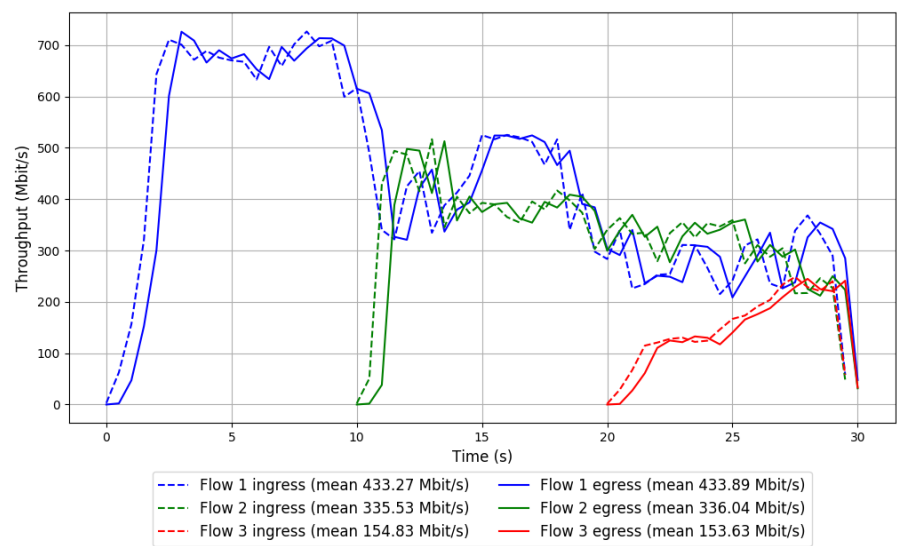


Run 3: Statistics of Muses_DecisionTree

Start at: 2019-07-18 22:31:11
End at: 2019-07-18 22:31:41
Local clock offset: -0.037 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2019-07-19 02:22:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 704.71 Mbit/s
95th percentile per-packet one-way delay: 53.860 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 433.89 Mbit/s
95th percentile per-packet one-way delay: 55.457 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 336.04 Mbit/s
95th percentile per-packet one-way delay: 51.087 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 153.63 Mbit/s
95th percentile per-packet one-way delay: 47.814 ms
Loss rate: 1.76%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-07-18 23:11:48

End at: 2019-07-18 23:12:18

Local clock offset: -0.005 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2019-07-19 02:23:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 686.03 Mbit/s

95th percentile per-packet one-way delay: 57.794 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 393.92 Mbit/s

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

Loss rate: 0.13%

-- Flow 2:

Average throughput: 329.61 Mbit/s

95th percentile per-packet one-way delay: 53.411 ms

Loss rate: 0.50%

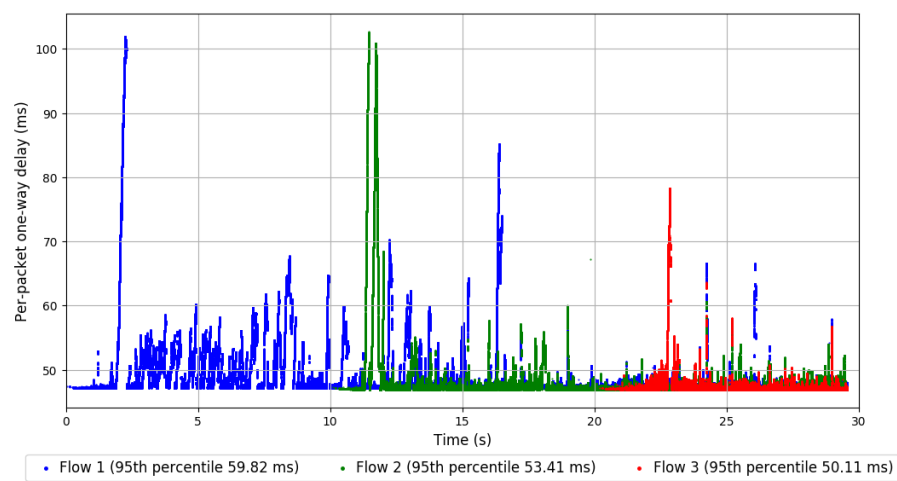
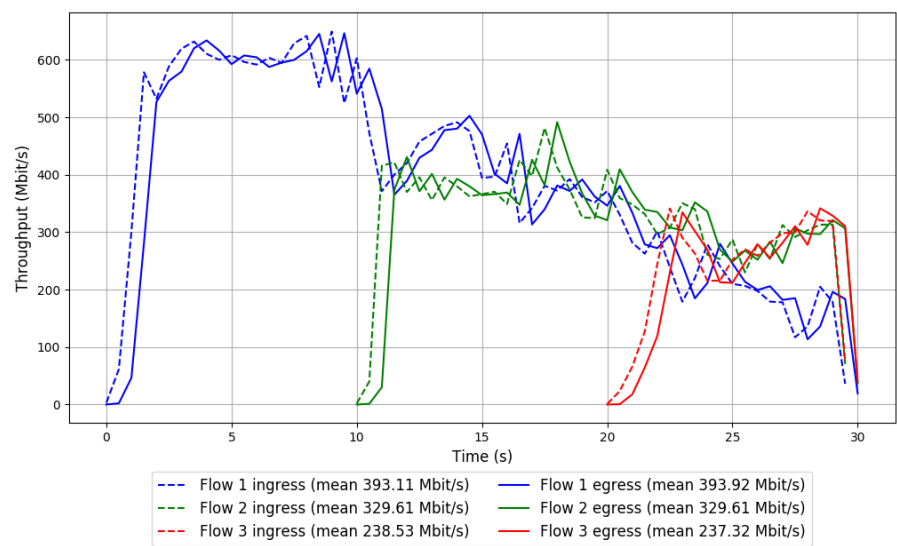
-- Flow 3:

Average throughput: 237.32 Mbit/s

95th percentile per-packet one-way delay: 50.110 ms

Loss rate: 1.52%

Run 4: Report of Muses_DecisionTree — Data Link

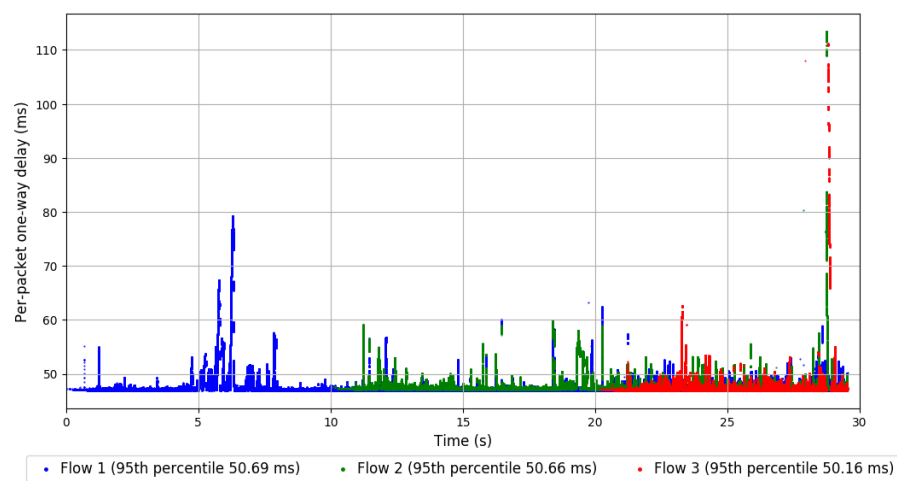
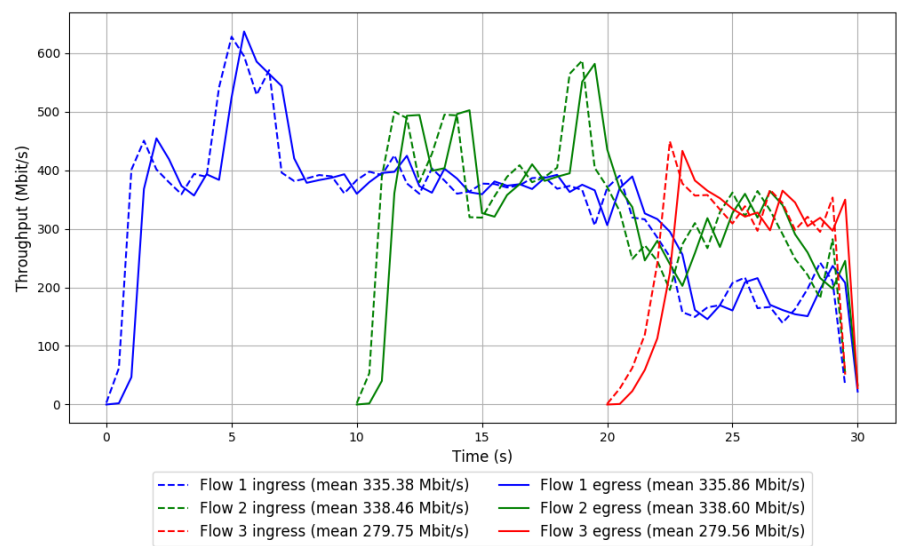


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-07-18 23:52:41
End at: 2019-07-18 23:53:11
Local clock offset: -0.082 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2019-07-19 02:24:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 648.19 Mbit/s
95th percentile per-packet one-way delay: 50.626 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 335.86 Mbit/s
95th percentile per-packet one-way delay: 50.685 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 338.60 Mbit/s
95th percentile per-packet one-way delay: 50.663 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 279.56 Mbit/s
95th percentile per-packet one-way delay: 50.161 ms
Loss rate: 1.07%

Run 5: Report of Muses_DecisionTree — Data Link

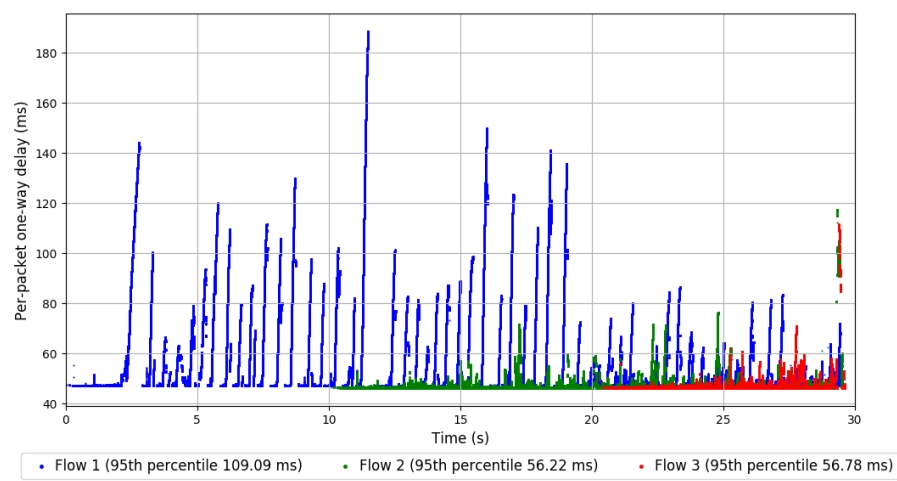
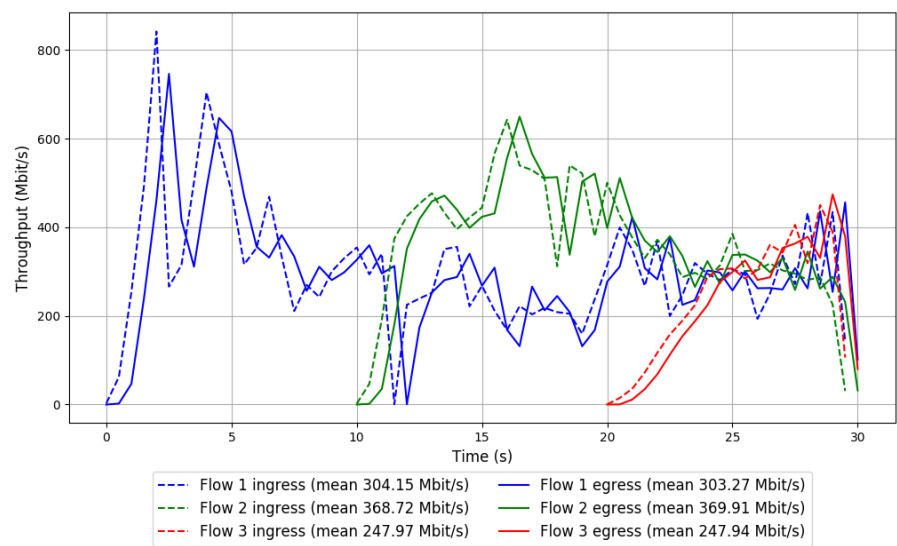


Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 21:33:17
End at: 2019-07-18 21:33:47
Local clock offset: -0.023 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2019-07-19 02:27:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 625.58 Mbit/s
95th percentile per-packet one-way delay: 95.579 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 303.27 Mbit/s
95th percentile per-packet one-way delay: 109.091 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 369.91 Mbit/s
95th percentile per-packet one-way delay: 56.221 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 247.94 Mbit/s
95th percentile per-packet one-way delay: 56.782 ms
Loss rate: 1.10%

Run 1: Report of Muses_DecisionTreeH0 — Data Link

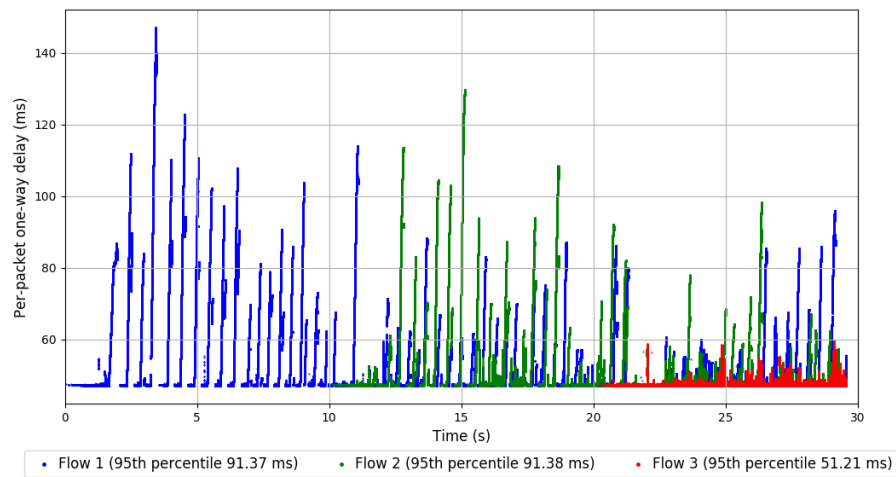
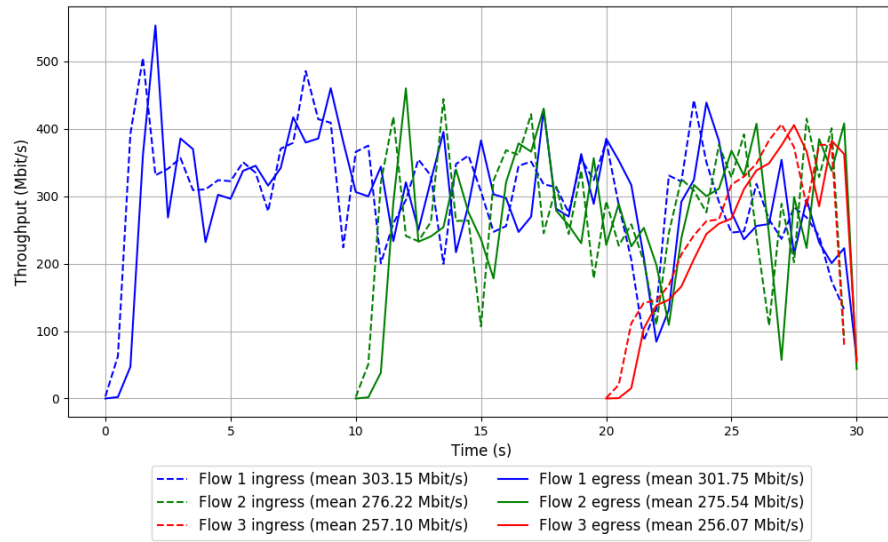


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 22:14:00
End at: 2019-07-18 22:14:30
Local clock offset: -0.055 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2019-07-19 02:27:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 564.56 Mbit/s
95th percentile per-packet one-way delay: 88.759 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 301.75 Mbit/s
95th percentile per-packet one-way delay: 91.374 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 275.54 Mbit/s
95th percentile per-packet one-way delay: 91.384 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 256.07 Mbit/s
95th percentile per-packet one-way delay: 51.213 ms
Loss rate: 1.41%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

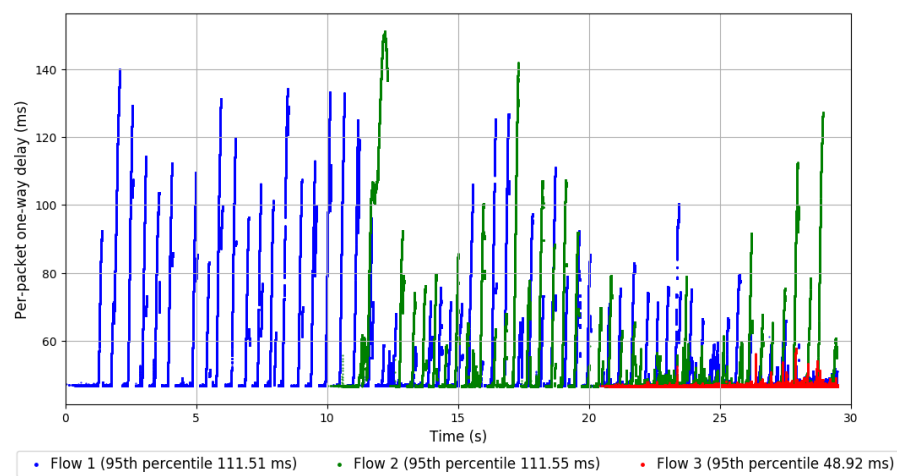
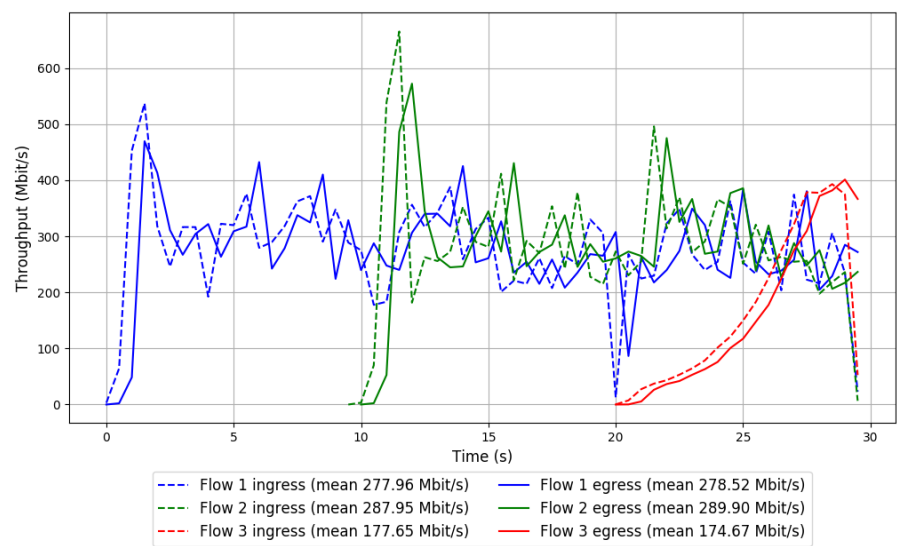


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 22:54:24
End at: 2019-07-18 22:54:54
Local clock offset: -0.354 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2019-07-19 02:27:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 523.51 Mbit/s
95th percentile per-packet one-way delay: 109.109 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 278.52 Mbit/s
95th percentile per-packet one-way delay: 111.507 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 289.90 Mbit/s
95th percentile per-packet one-way delay: 111.551 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 174.67 Mbit/s
95th percentile per-packet one-way delay: 48.923 ms
Loss rate: 2.75%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 23:35:14

End at: 2019-07-18 23:35:44

Local clock offset: -0.071 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-07-19 02:31:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 584.06 Mbit/s

95th percentile per-packet one-way delay: 96.650 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 284.05 Mbit/s

95th percentile per-packet one-way delay: 105.220 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 332.17 Mbit/s

95th percentile per-packet one-way delay: 67.163 ms

Loss rate: 0.35%

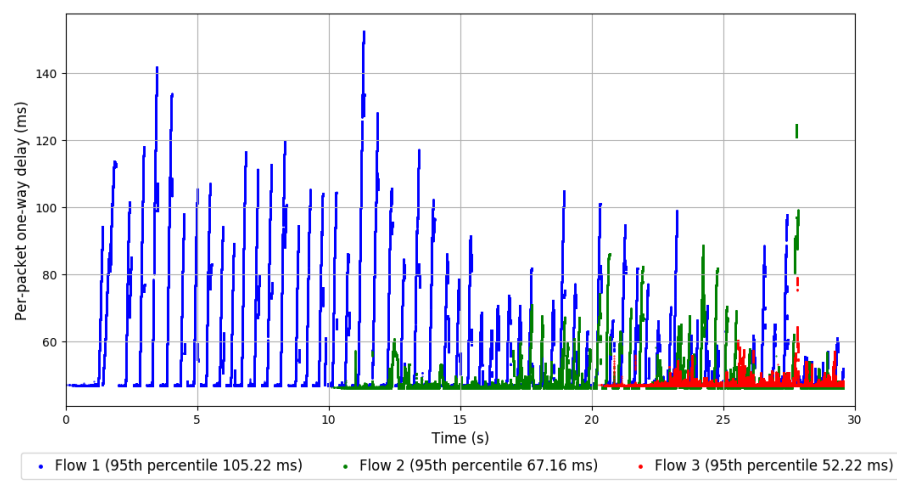
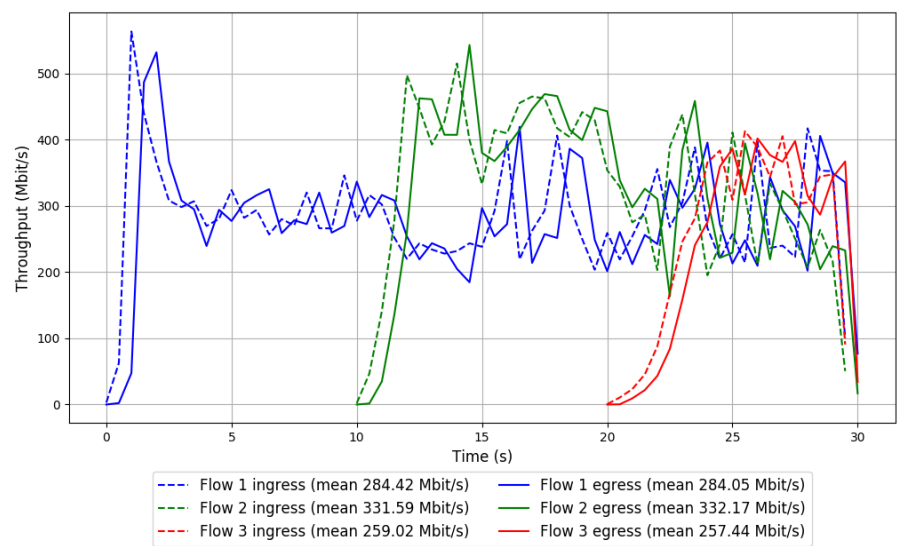
-- Flow 3:

Average throughput: 257.44 Mbit/s

95th percentile per-packet one-way delay: 52.224 ms

Loss rate: 1.62%

Run 4: Report of Muses_DecisionTreeH0 — Data Link

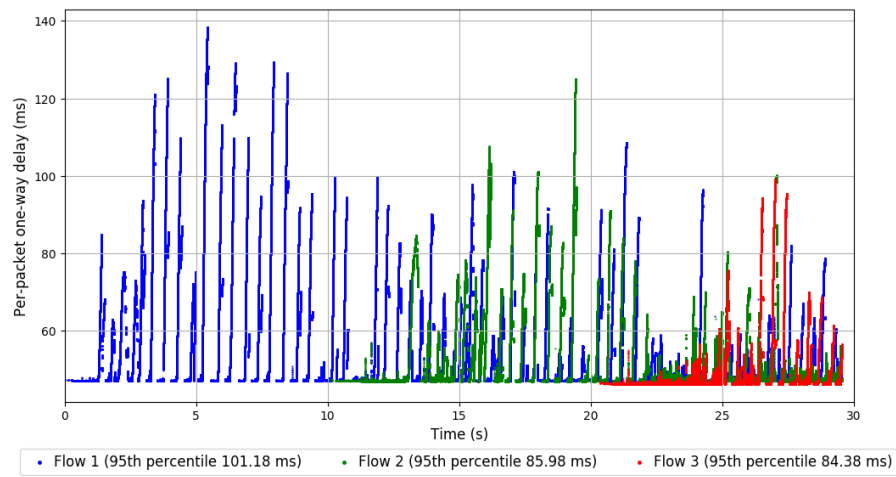
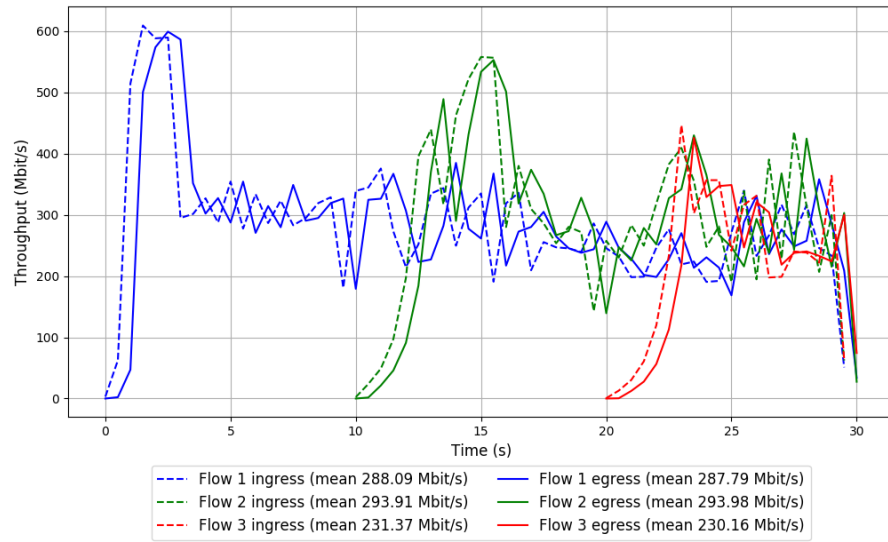


Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-19 00:15:56
End at: 2019-07-19 00:16:26
Local clock offset: -0.095 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-07-19 02:31:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 554.11 Mbit/s
95th percentile per-packet one-way delay: 93.978 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 287.79 Mbit/s
95th percentile per-packet one-way delay: 101.176 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 293.98 Mbit/s
95th percentile per-packet one-way delay: 85.982 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 230.16 Mbit/s
95th percentile per-packet one-way delay: 84.378 ms
Loss rate: 1.28%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

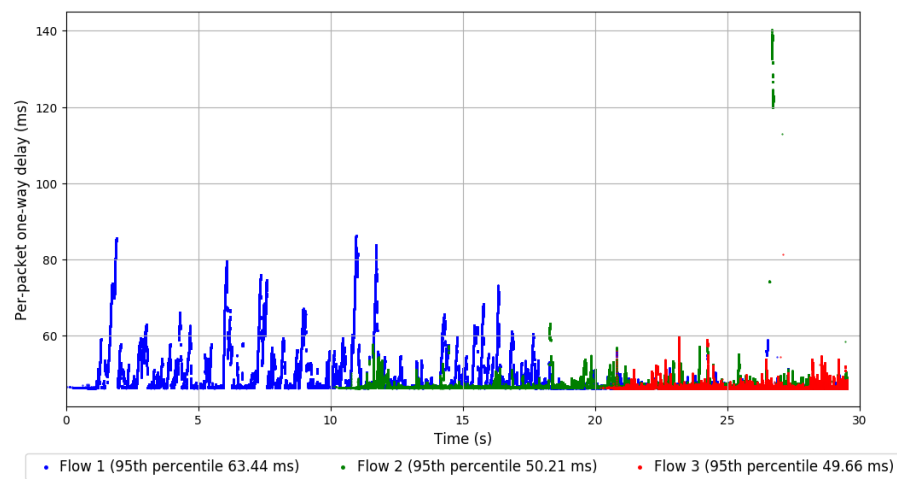
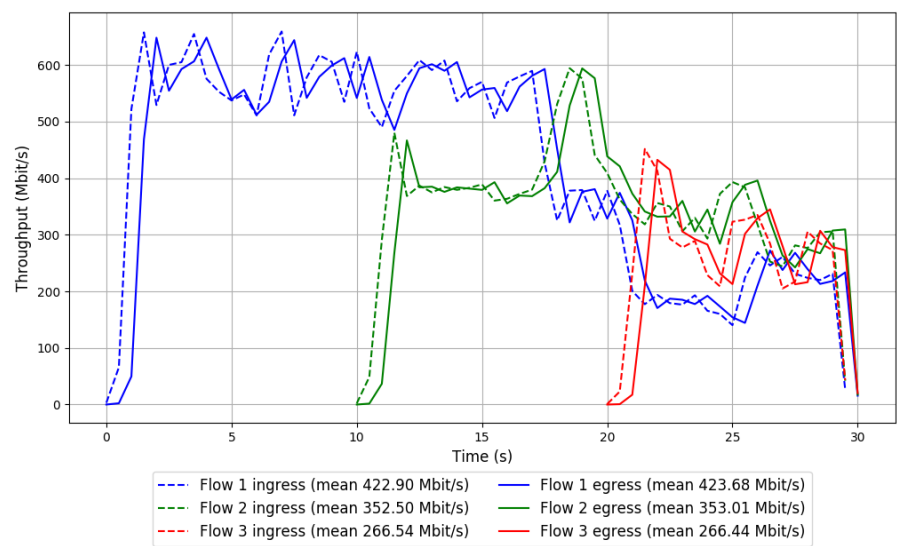


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-18 20:59:48
End at: 2019-07-18 21:00:18
Local clock offset: -0.07 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2019-07-19 02:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 740.46 Mbit/s
95th percentile per-packet one-way delay: 59.396 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 423.68 Mbit/s
95th percentile per-packet one-way delay: 63.439 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 353.01 Mbit/s
95th percentile per-packet one-way delay: 50.206 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 266.44 Mbit/s
95th percentile per-packet one-way delay: 49.657 ms
Loss rate: 1.05%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

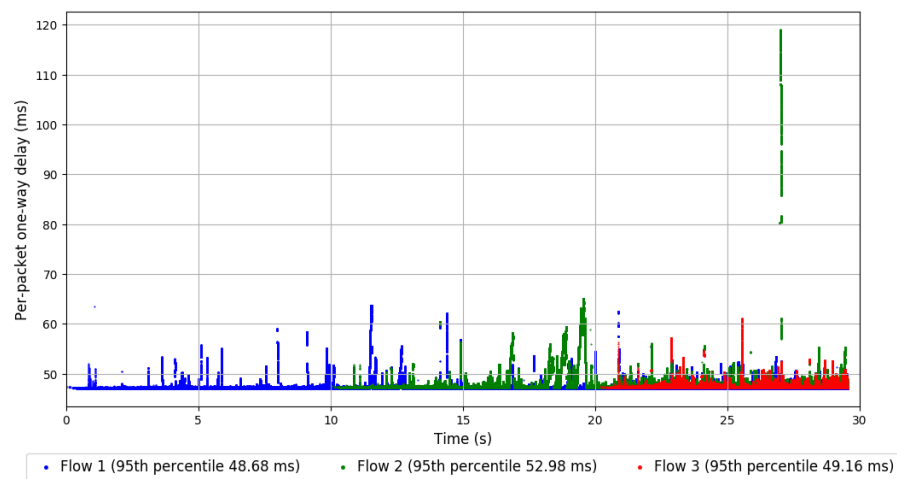
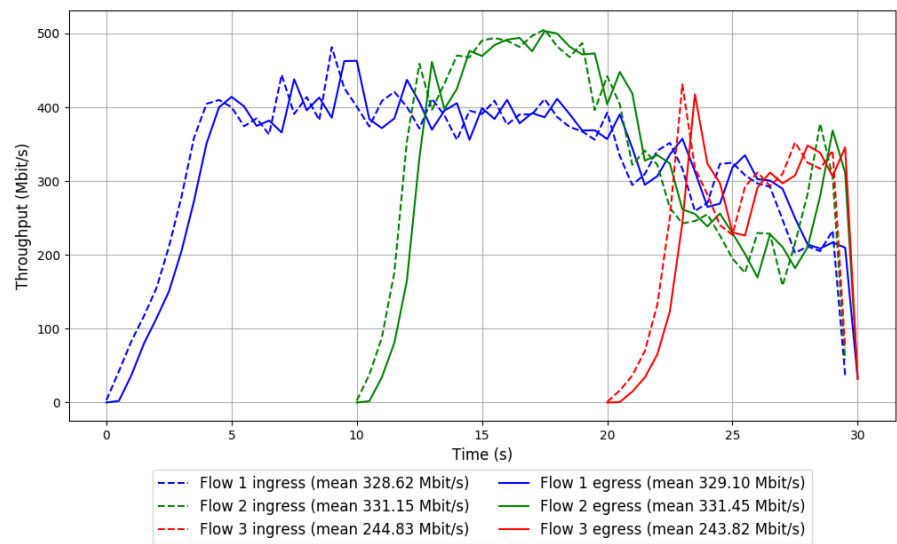


Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 21:40:31
End at: 2019-07-18 21:41:01
Local clock offset: -0.06 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-07-19 02:36:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 625.10 Mbit/s
95th percentile per-packet one-way delay: 50.260 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 329.10 Mbit/s
95th percentile per-packet one-way delay: 48.678 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 331.45 Mbit/s
95th percentile per-packet one-way delay: 52.981 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 243.82 Mbit/s
95th percentile per-packet one-way delay: 49.161 ms
Loss rate: 1.43%

Run 2: Report of Muses_DecisionTreeR0 — Data Link

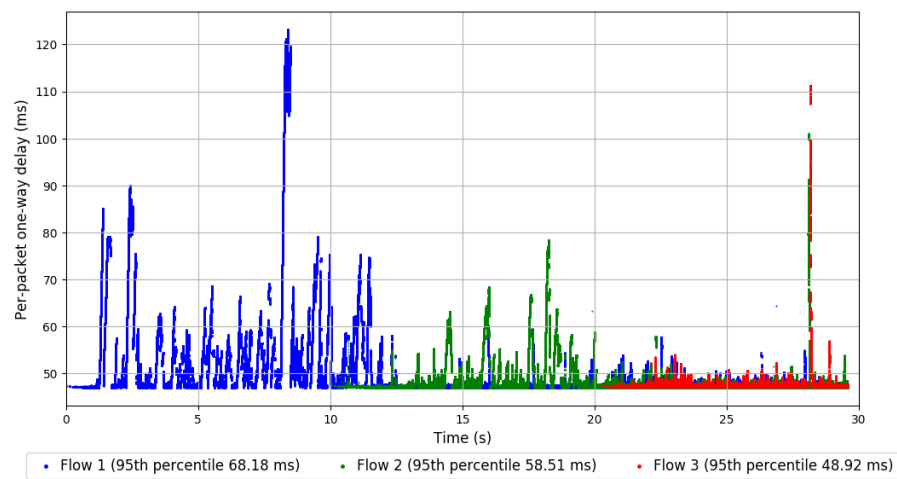
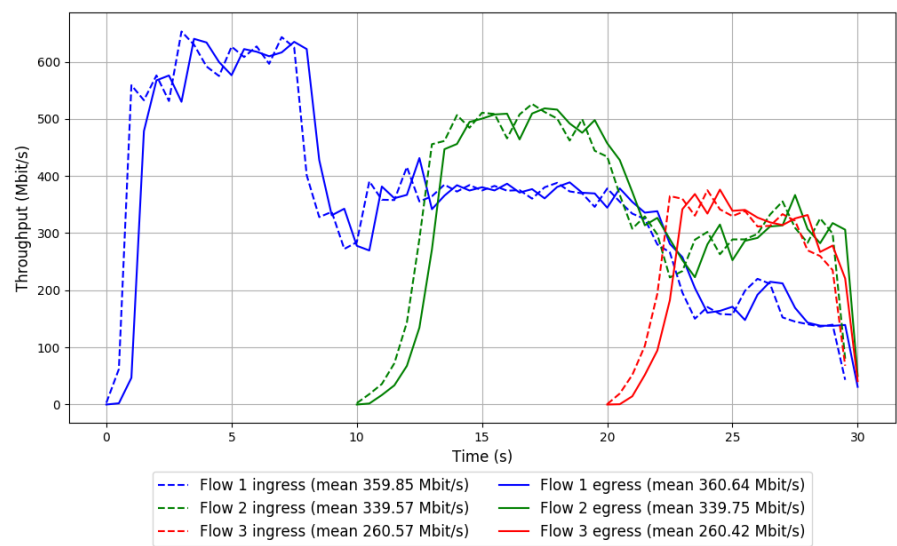


Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 22:21:05
End at: 2019-07-18 22:21:35
Local clock offset: -0.069 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2019-07-19 02:36:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 667.37 Mbit/s
95th percentile per-packet one-way delay: 62.460 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 360.64 Mbit/s
95th percentile per-packet one-way delay: 68.176 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 339.75 Mbit/s
95th percentile per-packet one-way delay: 58.511 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 260.42 Mbit/s
95th percentile per-packet one-way delay: 48.925 ms
Loss rate: 1.06%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

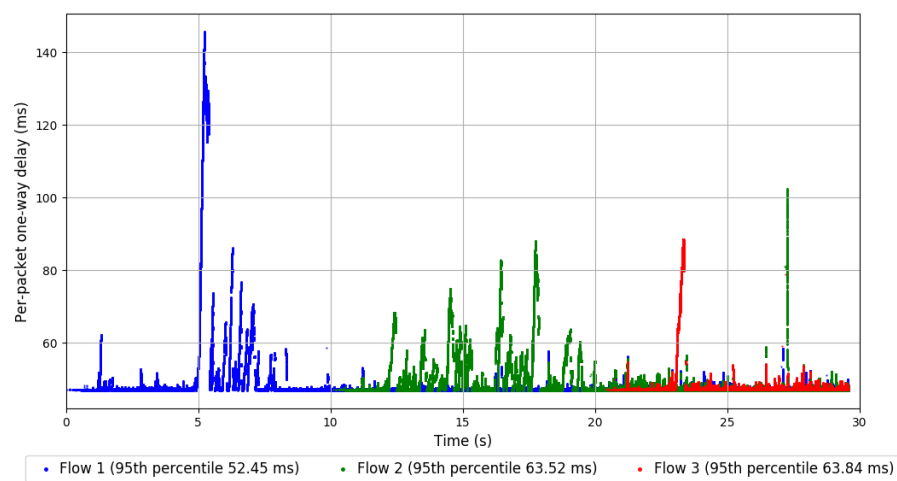
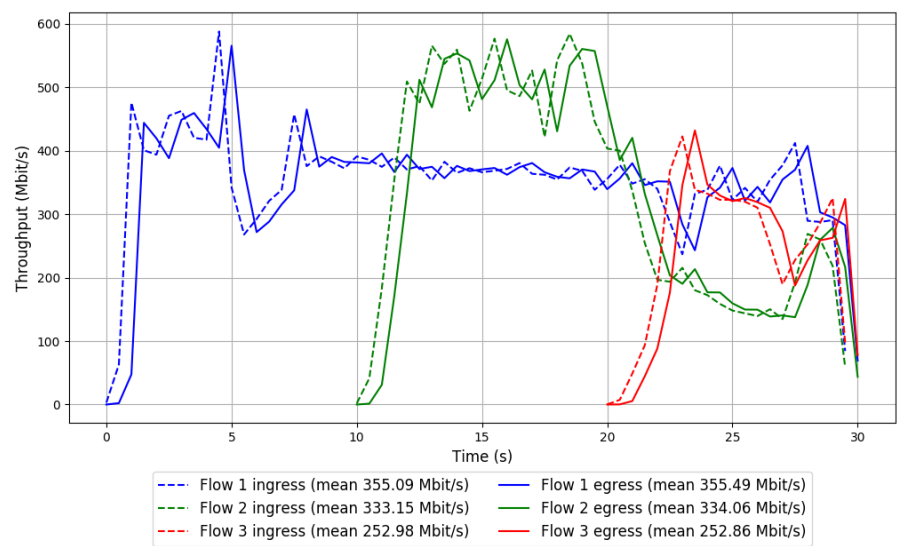


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 23:01:31
End at: 2019-07-18 23:02:01
Local clock offset: 0.003 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2019-07-19 02:38:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 654.50 Mbit/s
95th percentile per-packet one-way delay: 60.052 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 355.49 Mbit/s
95th percentile per-packet one-way delay: 52.451 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 334.06 Mbit/s
95th percentile per-packet one-way delay: 63.515 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 252.86 Mbit/s
95th percentile per-packet one-way delay: 63.838 ms
Loss rate: 1.11%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

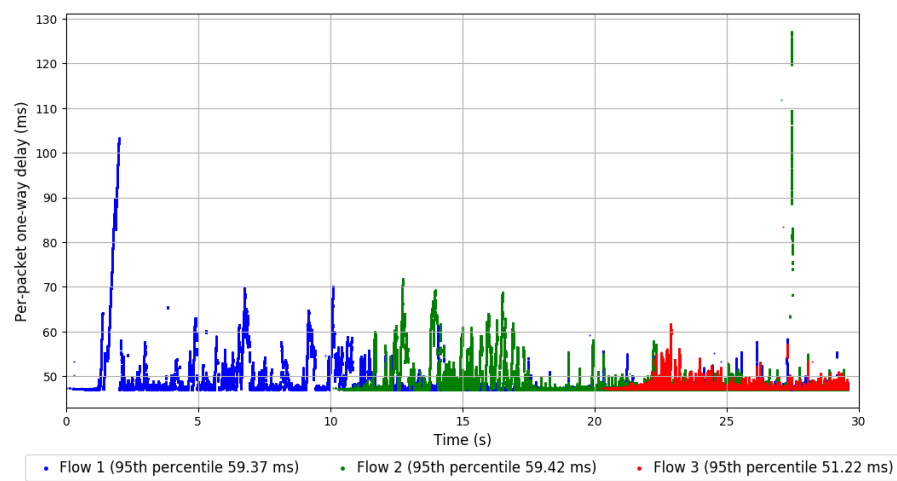
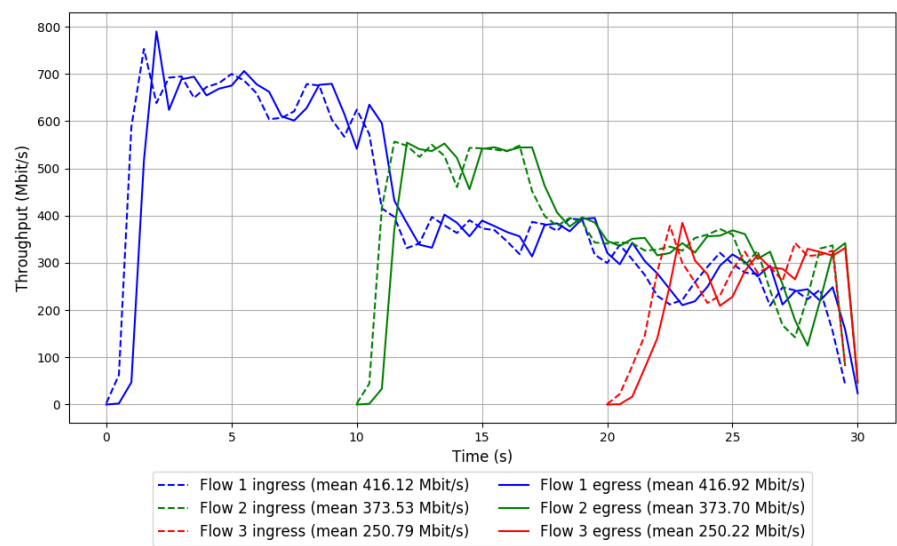


Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 23:42:25
End at: 2019-07-18 23:42:55
Local clock offset: -0.078 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-07-19 02:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 742.57 Mbit/s
95th percentile per-packet one-way delay: 58.781 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 416.92 Mbit/s
95th percentile per-packet one-way delay: 59.374 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 373.70 Mbit/s
95th percentile per-packet one-way delay: 59.425 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 250.22 Mbit/s
95th percentile per-packet one-way delay: 51.215 ms
Loss rate: 1.22%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

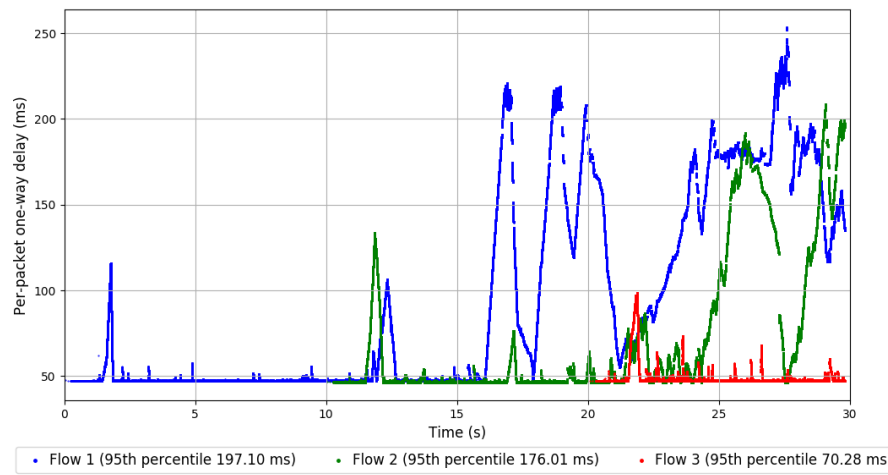
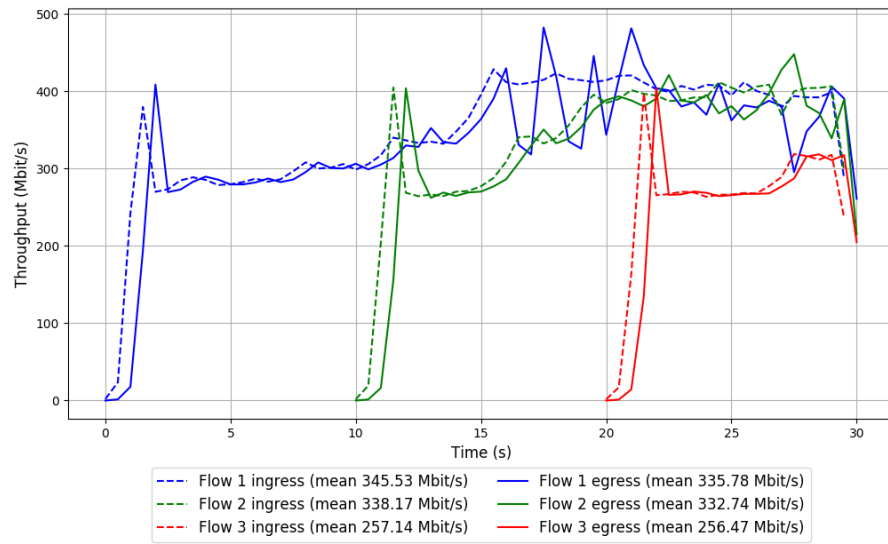


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-07-18 21:11:50
End at: 2019-07-18 21:12:20
Local clock offset: -0.041 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2019-07-19 02:48:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 640.39 Mbit/s
95th percentile per-packet one-way delay: 186.898 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 335.78 Mbit/s
95th percentile per-packet one-way delay: 197.098 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 332.74 Mbit/s
95th percentile per-packet one-way delay: 176.013 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 256.47 Mbit/s
95th percentile per-packet one-way delay: 70.278 ms
Loss rate: 1.22%
```

Run 1: Report of PCC-Allegro — Data Link

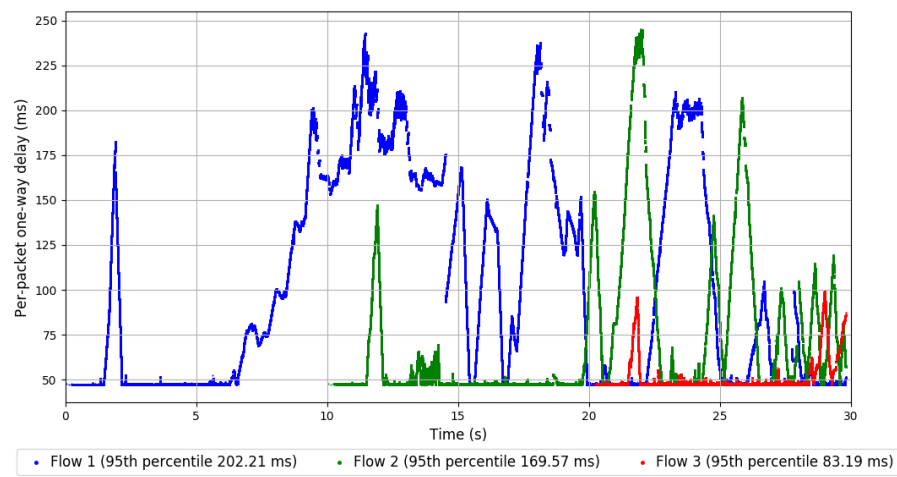
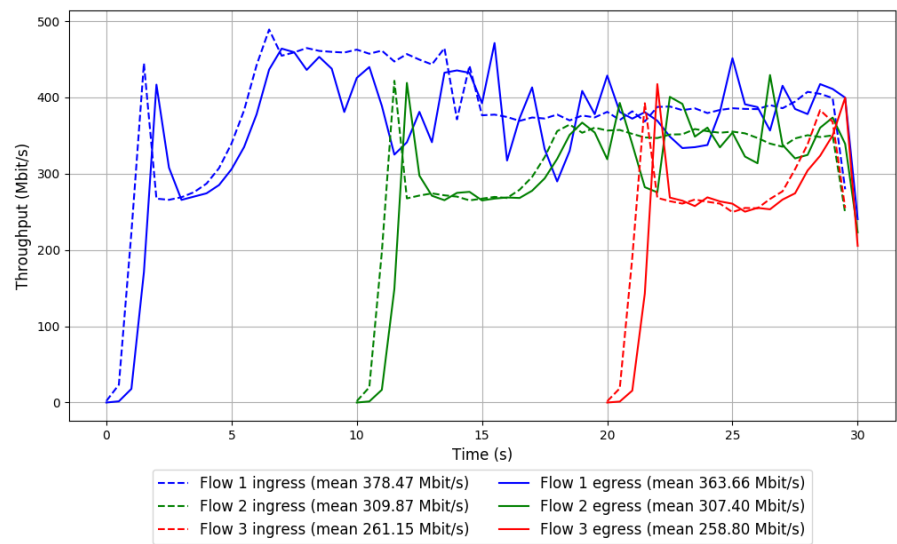


Run 2: Statistics of PCC-Allegro

Start at: 2019-07-18 21:52:19
End at: 2019-07-18 21:52:49
Local clock offset: -0.045 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2019-07-19 02:53:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 652.40 Mbit/s
95th percentile per-packet one-way delay: 198.720 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 363.66 Mbit/s
95th percentile per-packet one-way delay: 202.211 ms
Loss rate: 4.22%
-- Flow 2:
Average throughput: 307.40 Mbit/s
95th percentile per-packet one-way delay: 169.574 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 258.80 Mbit/s
95th percentile per-packet one-way delay: 83.186 ms
Loss rate: 1.88%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-07-18 22:32:56

End at: 2019-07-18 22:33:26

Local clock offset: -0.032 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-07-19 02:54:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 656.69 Mbit/s

95th percentile per-packet one-way delay: 259.898 ms

Loss rate: 6.30%

-- Flow 1:

Average throughput: 390.34 Mbit/s

95th percentile per-packet one-way delay: 225.672 ms

Loss rate: 5.49%

-- Flow 2:

Average throughput: 281.11 Mbit/s

95th percentile per-packet one-way delay: 349.773 ms

Loss rate: 7.58%

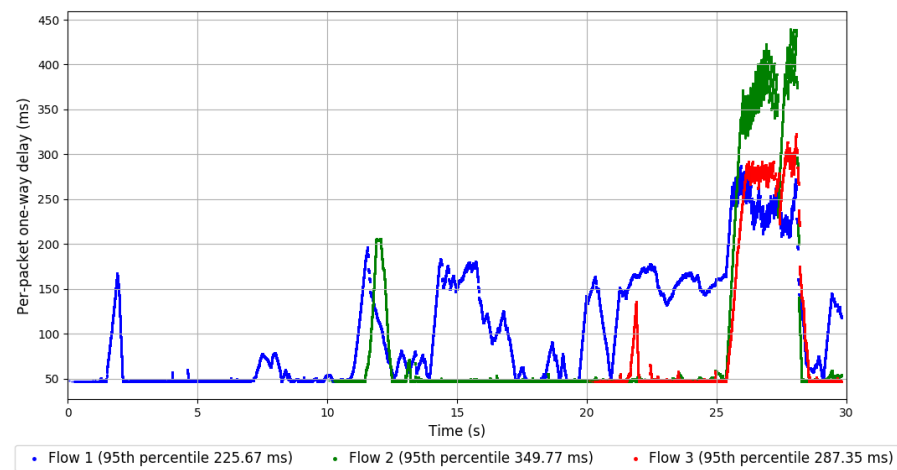
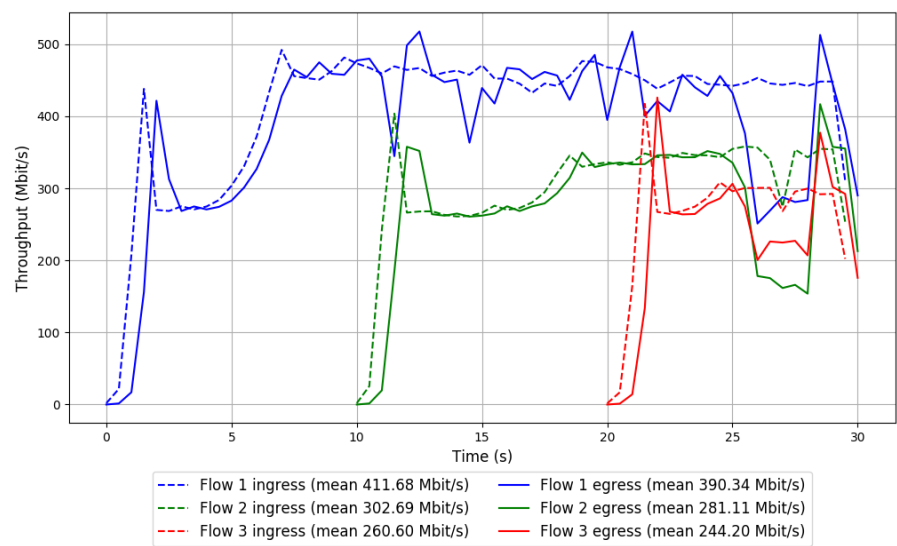
-- Flow 3:

Average throughput: 244.20 Mbit/s

95th percentile per-packet one-way delay: 287.350 ms

Loss rate: 7.21%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-07-18 23:13:33

End at: 2019-07-18 23:14:03

Local clock offset: 0.015 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2019-07-19 02:57:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 661.90 Mbit/s

95th percentile per-packet one-way delay: 181.526 ms

Loss rate: 2.70%

-- Flow 1:

Average throughput: 369.73 Mbit/s

95th percentile per-packet one-way delay: 203.307 ms

Loss rate: 4.20%

-- Flow 2:

Average throughput: 309.86 Mbit/s

95th percentile per-packet one-way delay: 110.187 ms

Loss rate: 0.54%

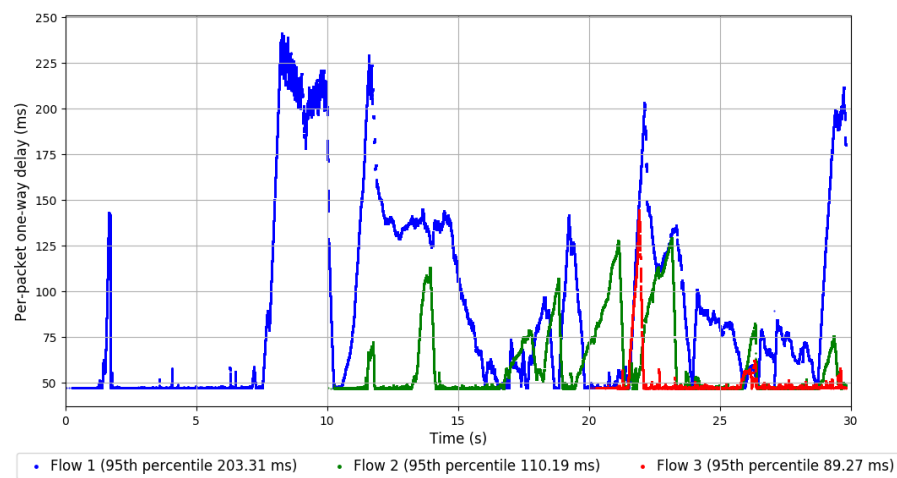
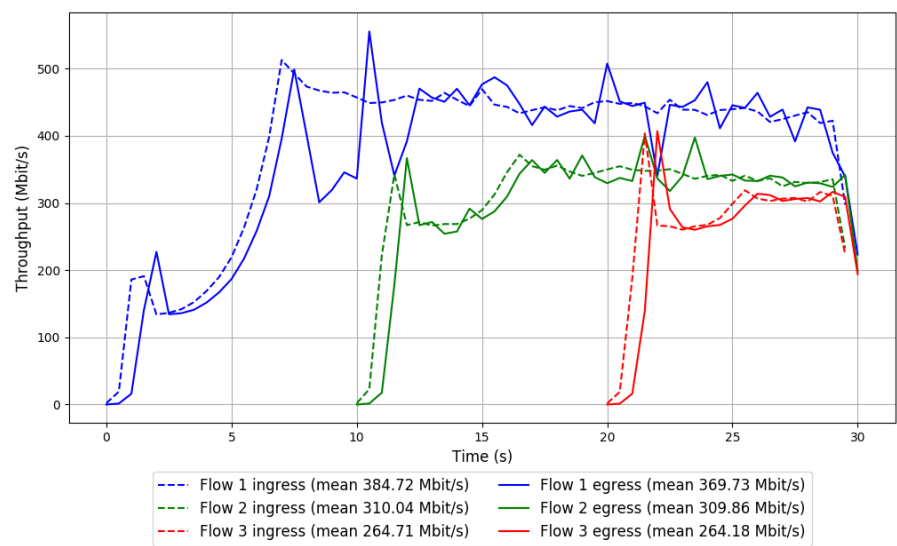
-- Flow 3:

Average throughput: 264.18 Mbit/s

95th percentile per-packet one-way delay: 89.273 ms

Loss rate: 1.16%

Run 4: Report of PCC-Allegro — Data Link

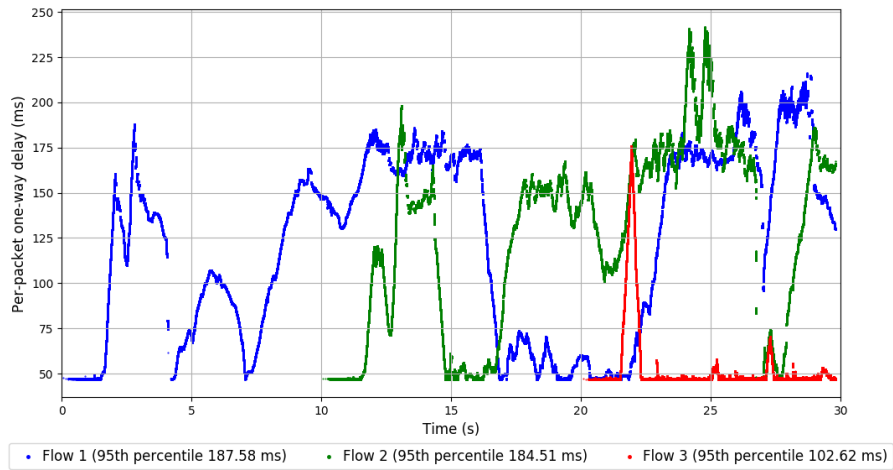
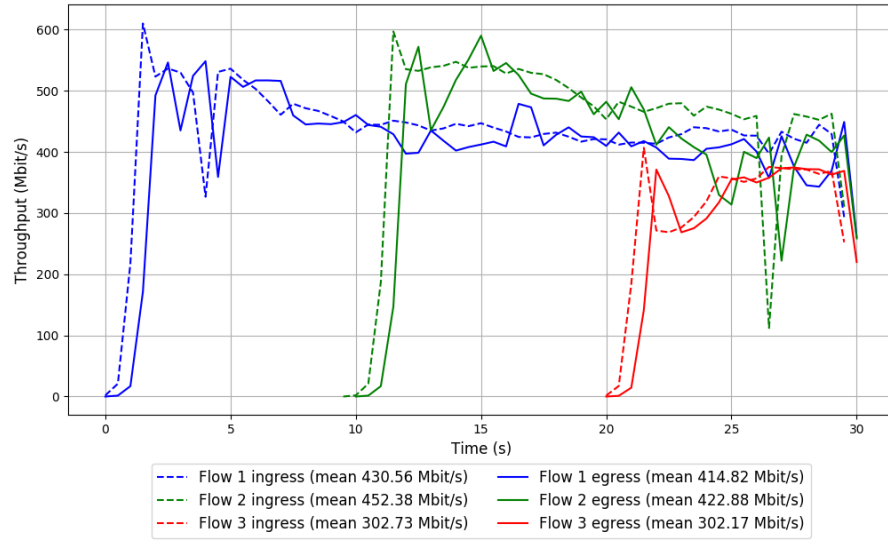


Run 5: Statistics of PCC-Allegro

Start at: 2019-07-18 23:54:25
End at: 2019-07-18 23:54:55
Local clock offset: -0.087 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2019-07-19 03:04:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 794.24 Mbit/s
95th percentile per-packet one-way delay: 183.154 ms
Loss rate: 4.71%
-- Flow 1:
Average throughput: 414.82 Mbit/s
95th percentile per-packet one-way delay: 187.578 ms
Loss rate: 3.96%
-- Flow 2:
Average throughput: 422.88 Mbit/s
95th percentile per-packet one-way delay: 184.512 ms
Loss rate: 6.96%
-- Flow 3:
Average throughput: 302.17 Mbit/s
95th percentile per-packet one-way delay: 102.618 ms
Loss rate: 1.15%

Run 5: Report of PCC-Allegro — Data Link

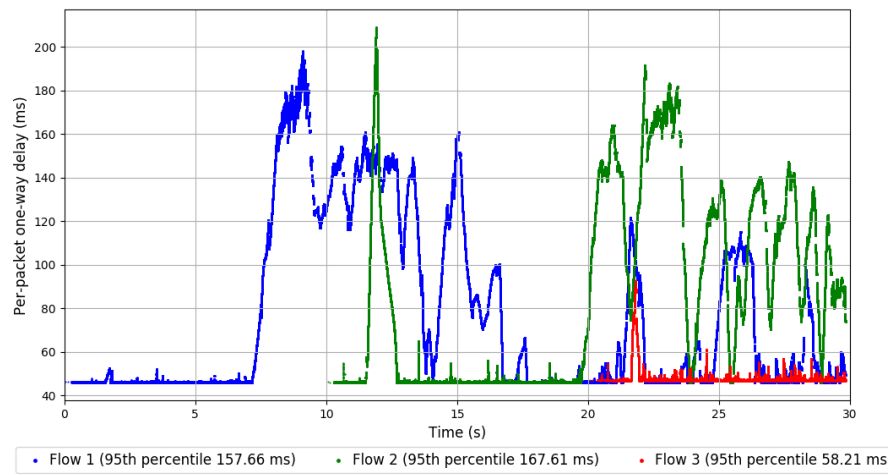
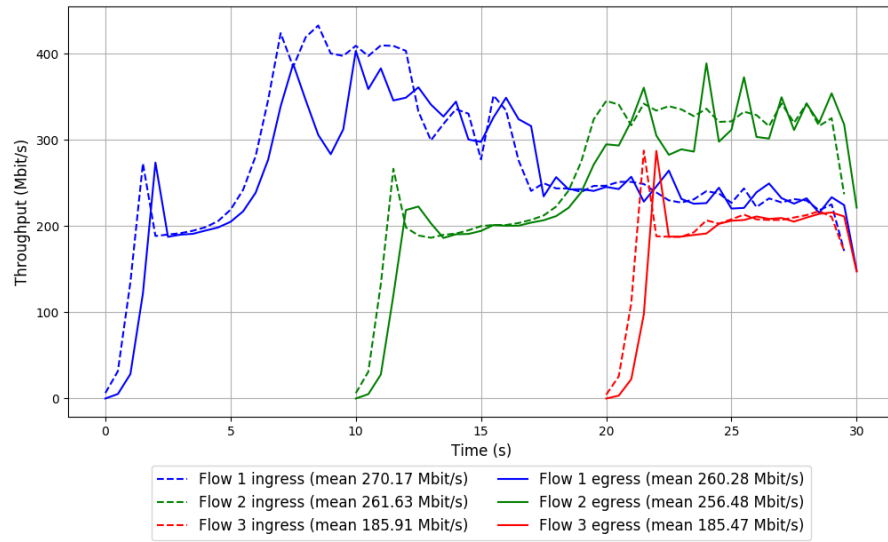


```
Run 1: Statistics of PCC-Expr

Start at: 2019-07-18 21:03:19
End at: 2019-07-18 21:03:49
Local clock offset: -0.421 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2019-07-19 03:04:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 491.27 Mbit/s
95th percentile per-packet one-way delay: 161.074 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 260.28 Mbit/s
95th percentile per-packet one-way delay: 157.665 ms
Loss rate: 3.96%
-- Flow 2:
Average throughput: 256.48 Mbit/s
95th percentile per-packet one-way delay: 167.614 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 185.47 Mbit/s
95th percentile per-packet one-way delay: 58.212 ms
Loss rate: 1.19%
```

Run 1: Report of PCC-Expr — Data Link

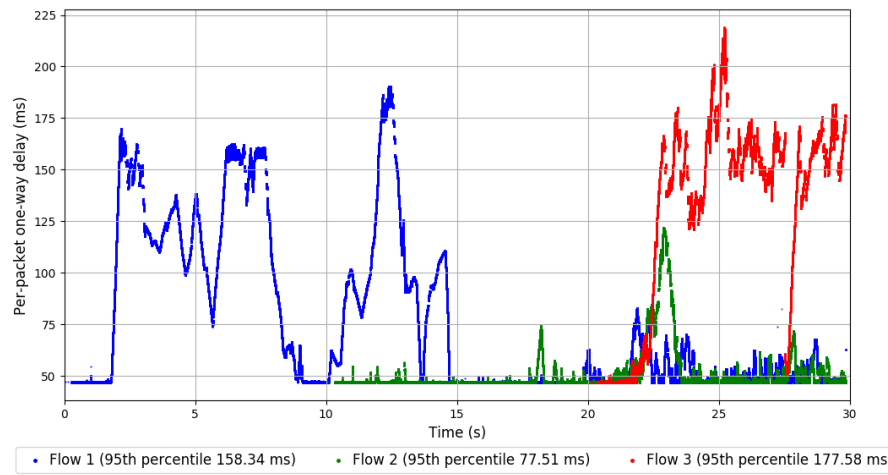
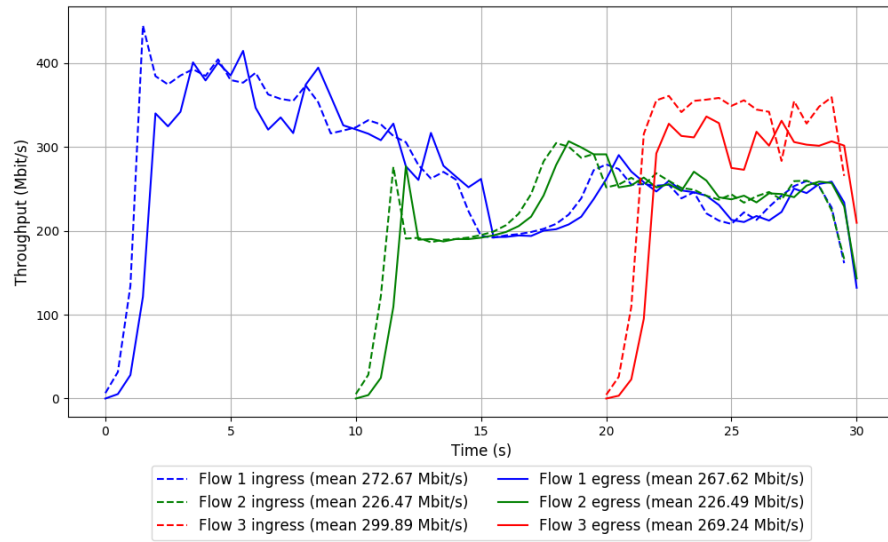


Run 2: Statistics of PCC-Expr

Start at: 2019-07-18 21:43:55
End at: 2019-07-18 21:44:25
Local clock offset: -0.445 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2019-07-19 03:04:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 506.25 Mbit/s
95th percentile per-packet one-way delay: 163.876 ms
Loss rate: 3.37%
-- Flow 1:
Average throughput: 267.62 Mbit/s
95th percentile per-packet one-way delay: 158.338 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 226.49 Mbit/s
95th percentile per-packet one-way delay: 77.506 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 269.24 Mbit/s
95th percentile per-packet one-way delay: 177.576 ms
Loss rate: 11.09%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-07-18 22:24:26

End at: 2019-07-18 22:24:56

Local clock offset: -0.043 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2019-07-19 03:04:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 443.92 Mbit/s

95th percentile per-packet one-way delay: 152.864 ms

Loss rate: 2.05%

-- Flow 1:

Average throughput: 267.46 Mbit/s

95th percentile per-packet one-way delay: 154.504 ms

Loss rate: 2.28%

-- Flow 2:

Average throughput: 249.33 Mbit/s

95th percentile per-packet one-way delay: 151.977 ms

Loss rate: 1.67%

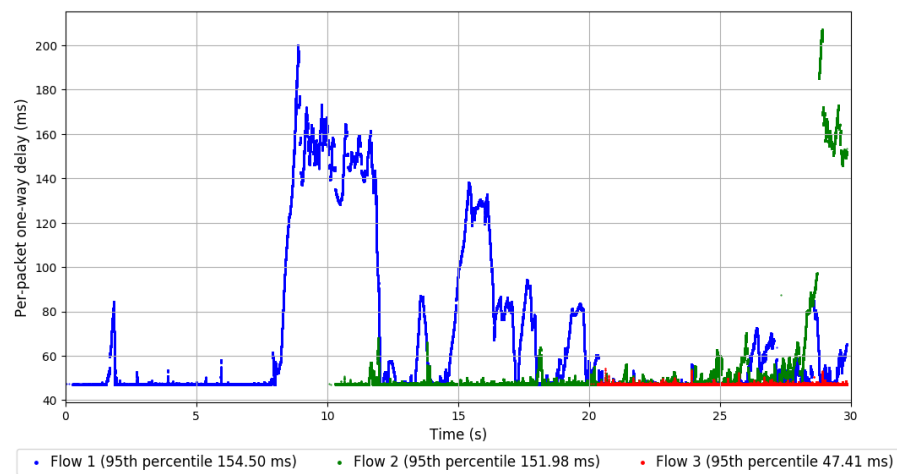
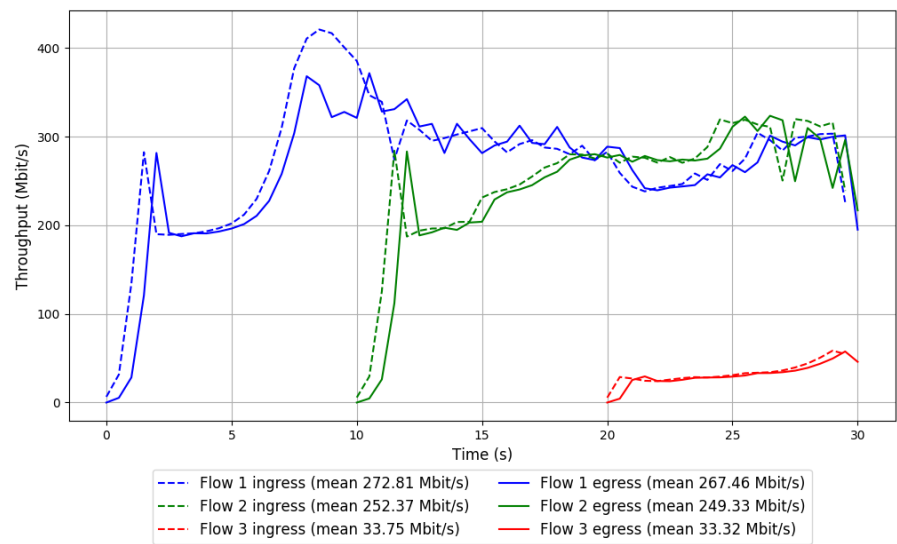
-- Flow 3:

Average throughput: 33.32 Mbit/s

95th percentile per-packet one-way delay: 47.412 ms

Loss rate: 2.24%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-07-18 23:04:57

End at: 2019-07-18 23:05:27

Local clock offset: 0.035 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2019-07-19 03:06:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 524.36 Mbit/s

95th percentile per-packet one-way delay: 154.445 ms

Loss rate: 2.73%

-- Flow 1:

Average throughput: 278.58 Mbit/s

95th percentile per-packet one-way delay: 150.372 ms

Loss rate: 2.16%

-- Flow 2:

Average throughput: 281.59 Mbit/s

95th percentile per-packet one-way delay: 163.693 ms

Loss rate: 4.09%

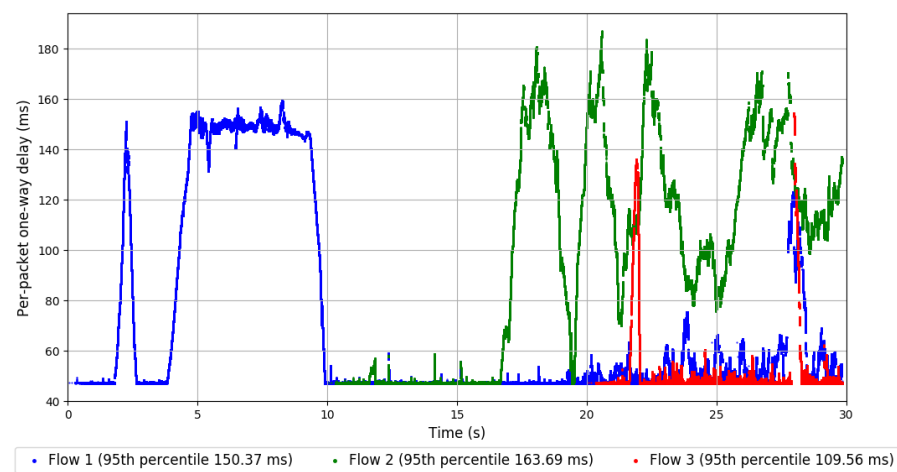
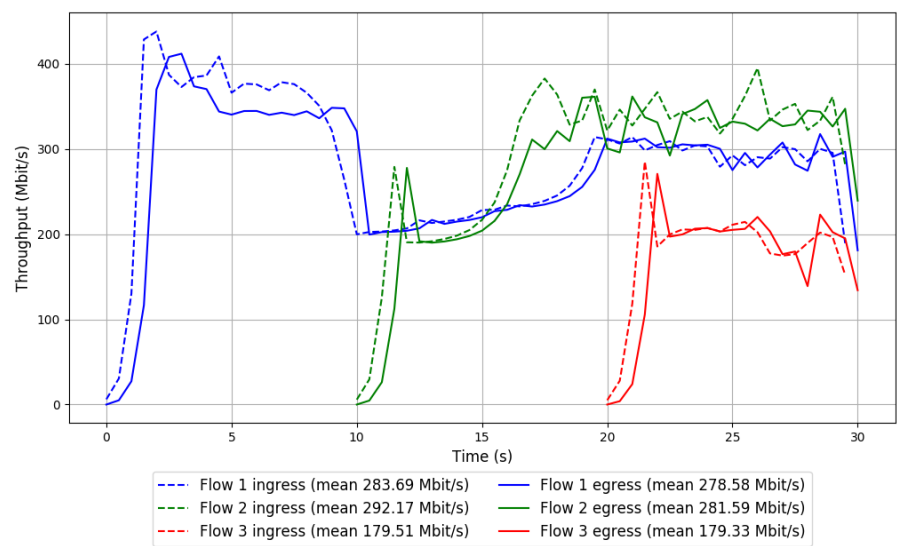
-- Flow 3:

Average throughput: 179.33 Mbit/s

95th percentile per-packet one-way delay: 109.564 ms

Loss rate: 1.07%

Run 4: Report of PCC-Expr — Data Link

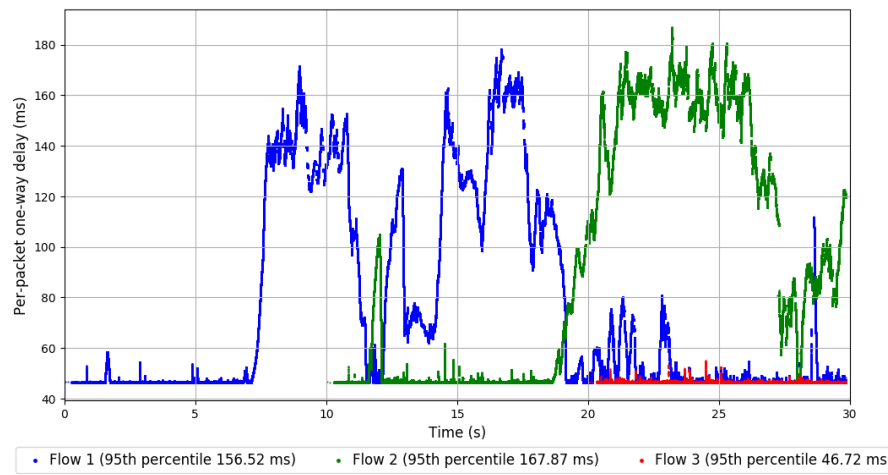
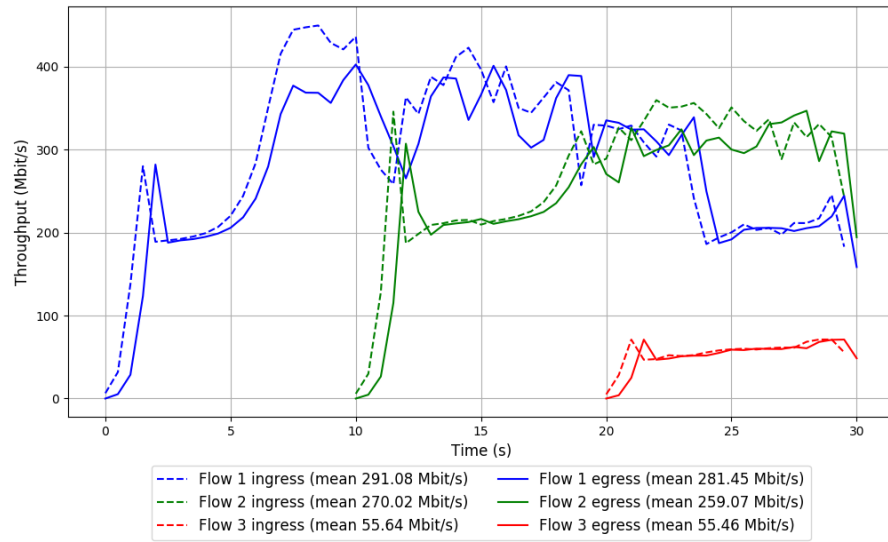


Run 5: Statistics of PCC-Expr

Start at: 2019-07-18 23:45:57
End at: 2019-07-18 23:46:27
Local clock offset: -0.079 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-07-19 03:07:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 471.65 Mbit/s
95th percentile per-packet one-way delay: 163.680 ms
Loss rate: 3.85%
-- Flow 1:
Average throughput: 281.45 Mbit/s
95th percentile per-packet one-way delay: 156.519 ms
Loss rate: 3.61%
-- Flow 2:
Average throughput: 259.07 Mbit/s
95th percentile per-packet one-way delay: 167.869 ms
Loss rate: 4.51%
-- Flow 3:
Average throughput: 55.46 Mbit/s
95th percentile per-packet one-way delay: 46.720 ms
Loss rate: 1.27%

Run 5: Report of PCC-Expr — Data Link

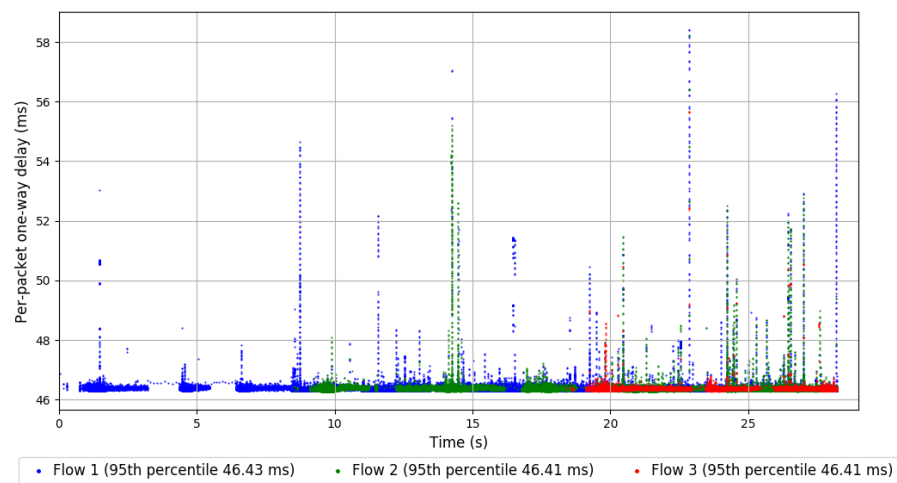
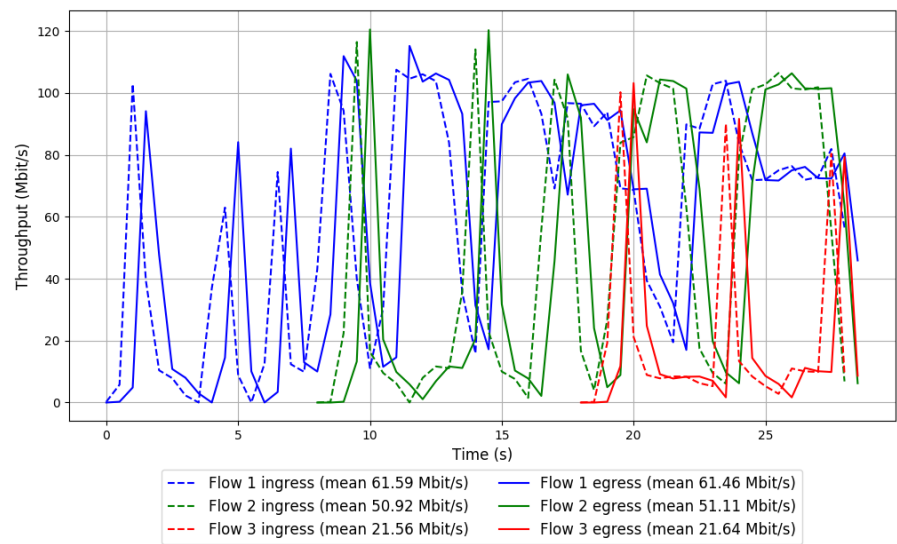


Run 1: Statistics of QUIC Cubic

Start at: 2019-07-18 21:18:37
End at: 2019-07-18 21:19:07
Local clock offset: -0.05 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-07-19 03:07:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 104.86 Mbit/s
95th percentile per-packet one-way delay: 46.422 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 61.46 Mbit/s
95th percentile per-packet one-way delay: 46.427 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 51.11 Mbit/s
95th percentile per-packet one-way delay: 46.412 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 21.64 Mbit/s
95th percentile per-packet one-way delay: 46.414 ms
Loss rate: 0.58%

Run 1: Report of QUIC Cubic — Data Link

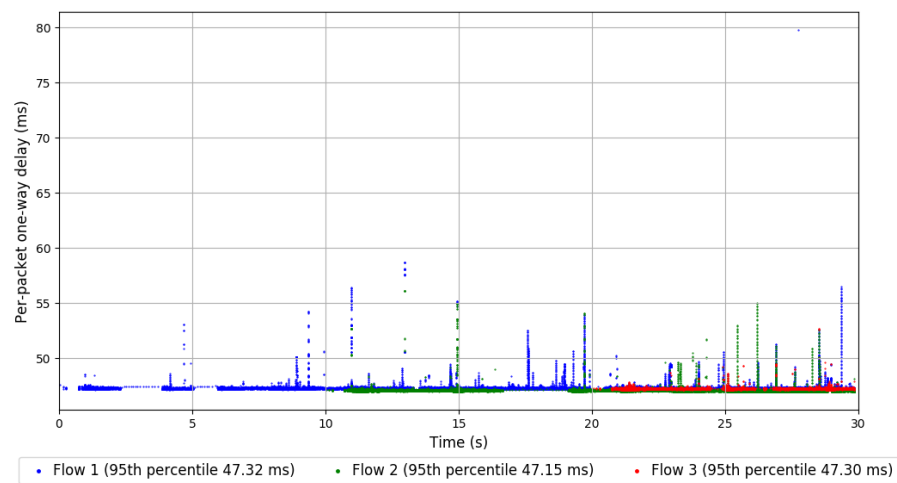
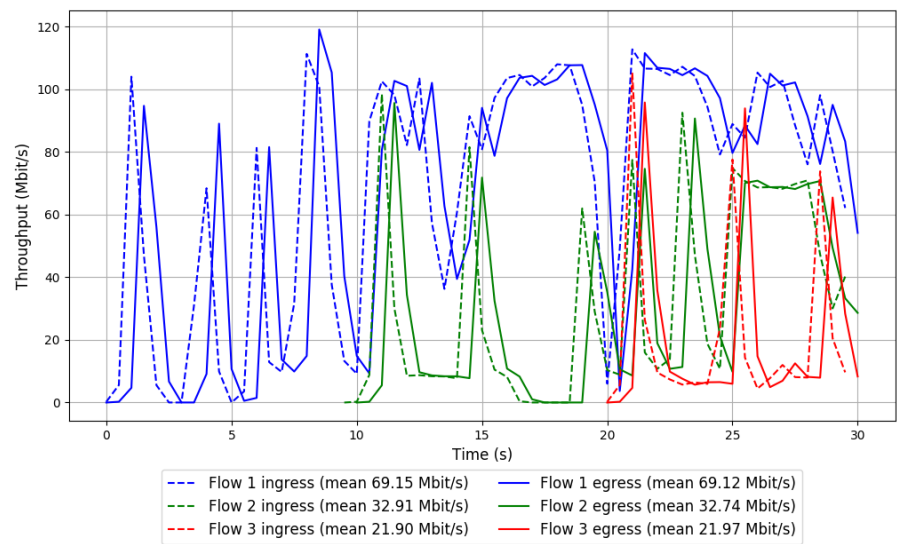


Run 2: Statistics of QUIC Cubic

Start at: 2019-07-18 21:59:08
End at: 2019-07-18 21:59:38
Local clock offset: -0.054 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2019-07-19 03:07:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 98.08 Mbit/s
95th percentile per-packet one-way delay: 47.308 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 69.12 Mbit/s
95th percentile per-packet one-way delay: 47.317 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 32.74 Mbit/s
95th percentile per-packet one-way delay: 47.147 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 21.97 Mbit/s
95th percentile per-packet one-way delay: 47.299 ms
Loss rate: 0.59%

Run 2: Report of QUIC Cubic — Data Link

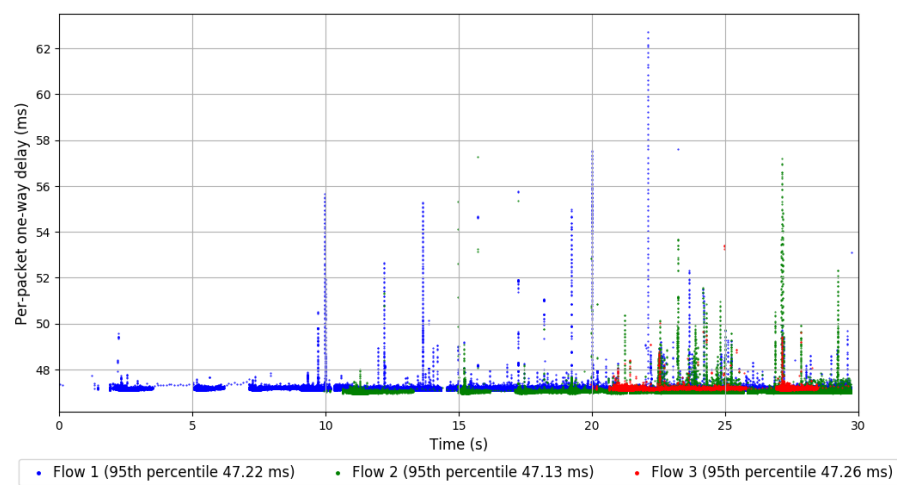
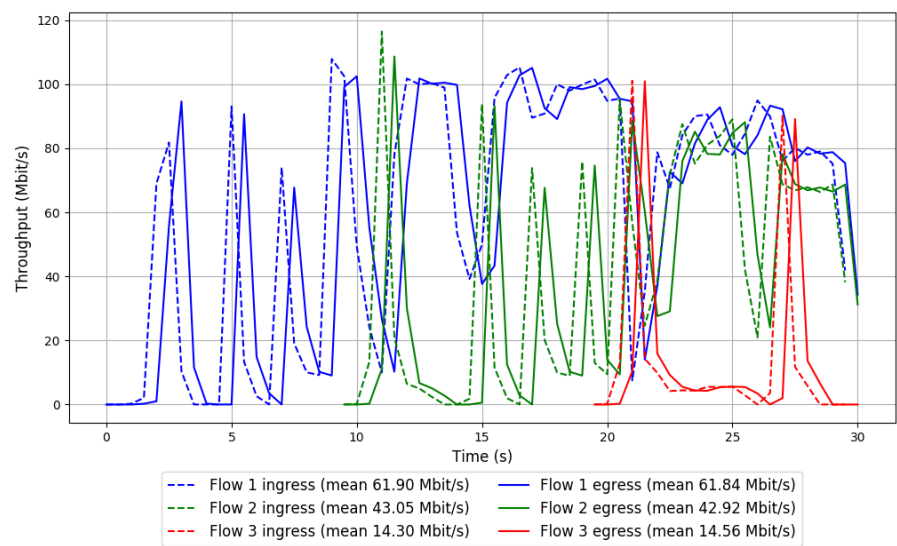


Run 3: Statistics of QUIC Cubic

Start at: 2019-07-18 22:39:47
End at: 2019-07-18 22:40:17
Local clock offset: -0.013 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-07-19 03:07:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 47.221 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 61.84 Mbit/s
95th percentile per-packet one-way delay: 47.224 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 42.92 Mbit/s
95th percentile per-packet one-way delay: 47.131 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 14.56 Mbit/s
95th percentile per-packet one-way delay: 47.264 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-07-18 23:20:23

End at: 2019-07-18 23:20:53

Local clock offset: 0.028 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2019-07-19 03:07:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 110.11 Mbit/s

95th percentile per-packet one-way delay: 47.311 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 61.42 Mbit/s

95th percentile per-packet one-way delay: 47.320 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 46.74 Mbit/s

95th percentile per-packet one-way delay: 47.306 ms

Loss rate: 0.79%

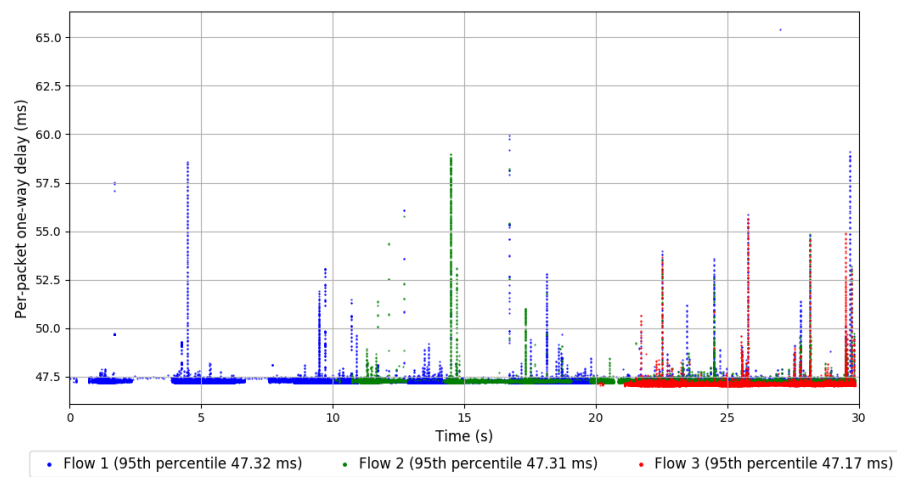
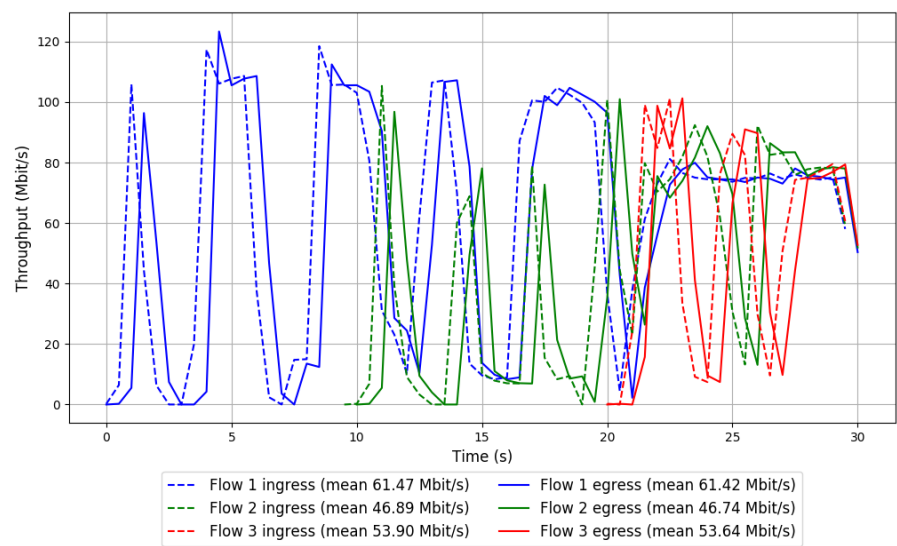
-- Flow 3:

Average throughput: 53.64 Mbit/s

95th percentile per-packet one-way delay: 47.167 ms

Loss rate: 1.44%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-07-19 00:01:22

End at: 2019-07-19 00:01:52

Local clock offset: 0.295 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2019-07-19 03:07:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 105.86 Mbit/s

95th percentile per-packet one-way delay: 47.607 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 40.71 Mbit/s

95th percentile per-packet one-way delay: 47.627 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 67.70 Mbit/s

95th percentile per-packet one-way delay: 47.606 ms

Loss rate: 0.52%

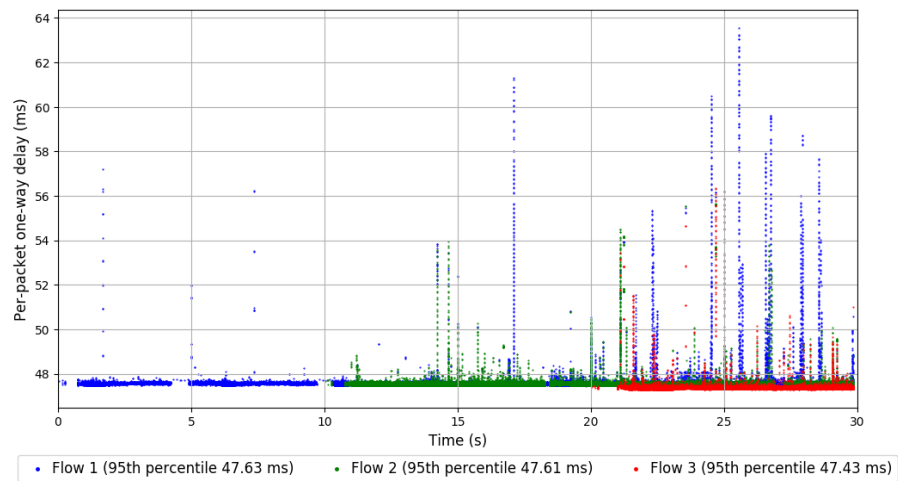
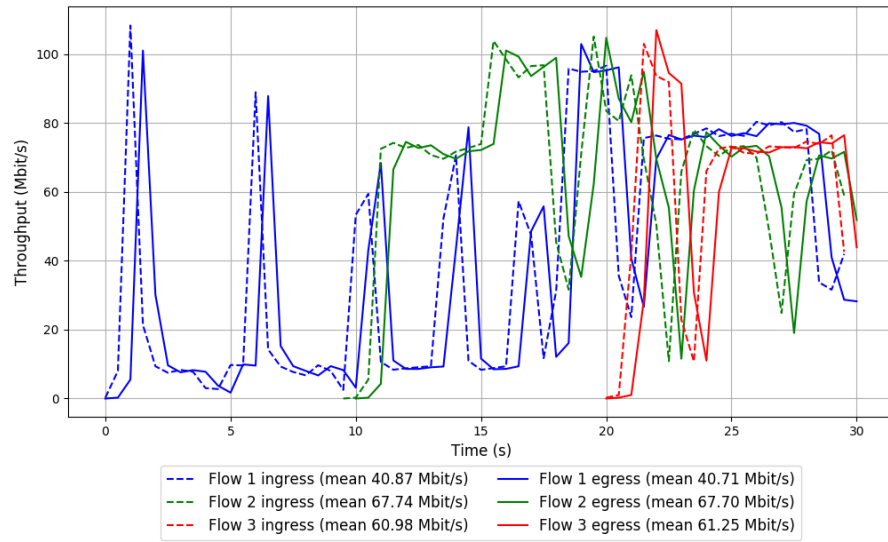
-- Flow 3:

Average throughput: 61.25 Mbit/s

95th percentile per-packet one-way delay: 47.428 ms

Loss rate: 0.48%

Run 5: Report of QUIC Cubic — Data Link

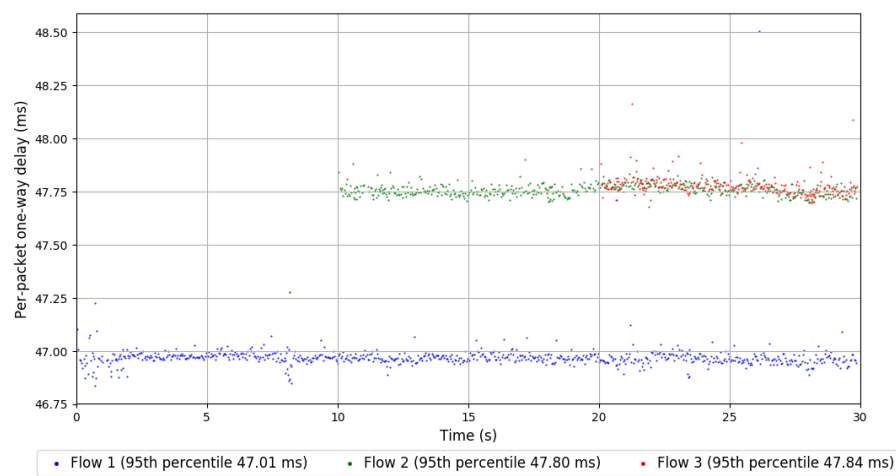
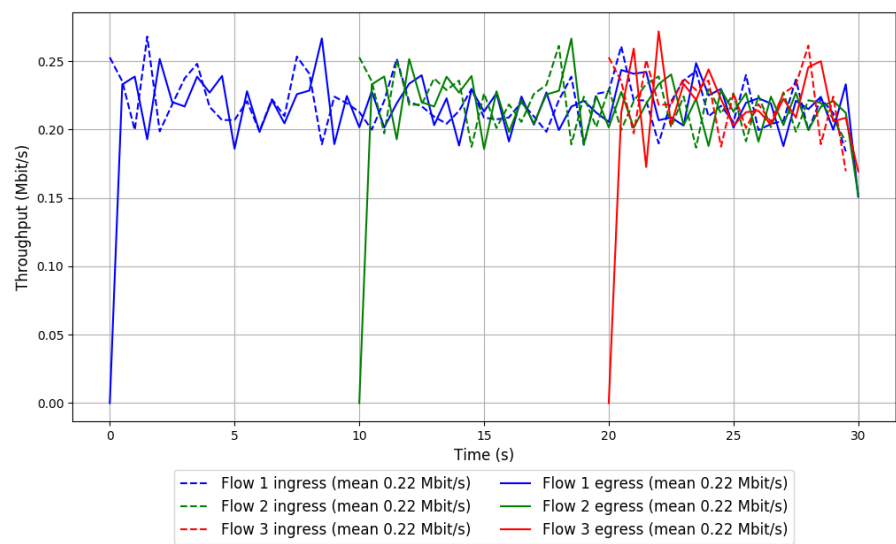


Run 1: Statistics of SReAM

Start at: 2019-07-18 21:17:25
End at: 2019-07-18 21:17:55
Local clock offset: 0.313 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2019-07-19 03:07:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 47.800 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.009 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.803 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.839 ms
Loss rate: 0.74%

Run 1: Report of SReAM — Data Link

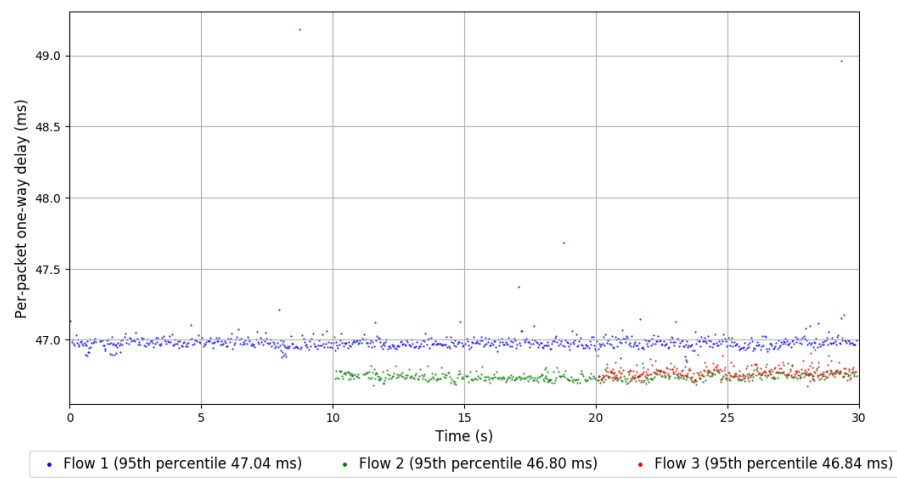
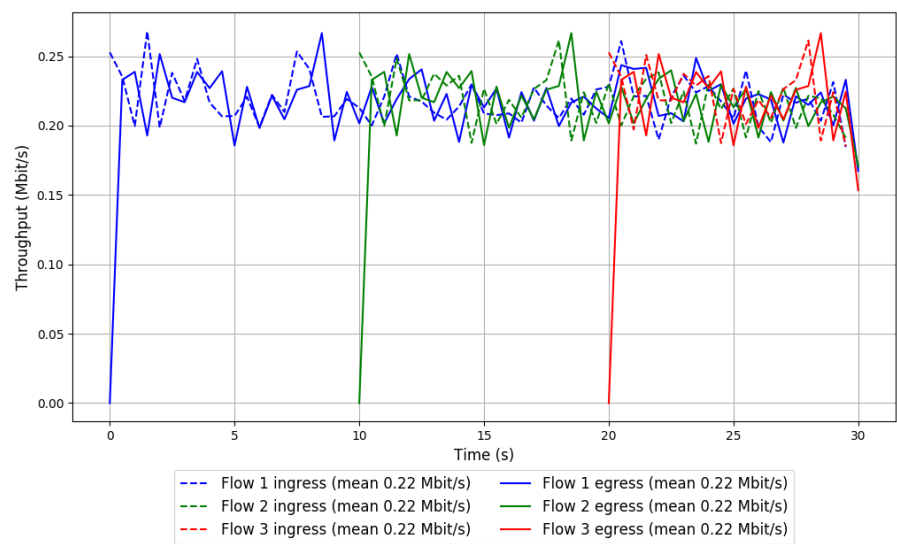


Run 2: Statistics of SReAM

Start at: 2019-07-18 21:57:57
End at: 2019-07-18 21:58:27
Local clock offset: -0.472 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2019-07-19 03:07:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 47.017 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.036 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.796 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.842 ms
Loss rate: 1.09%

Run 2: Report of SReAM — Data Link

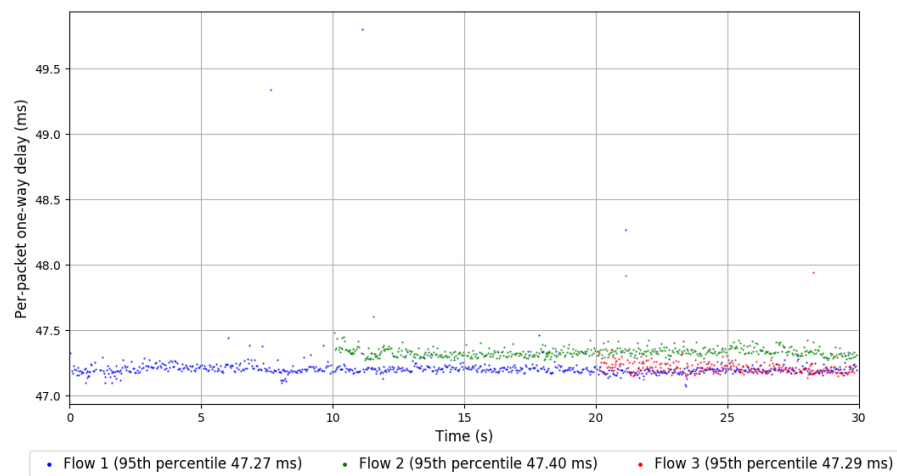
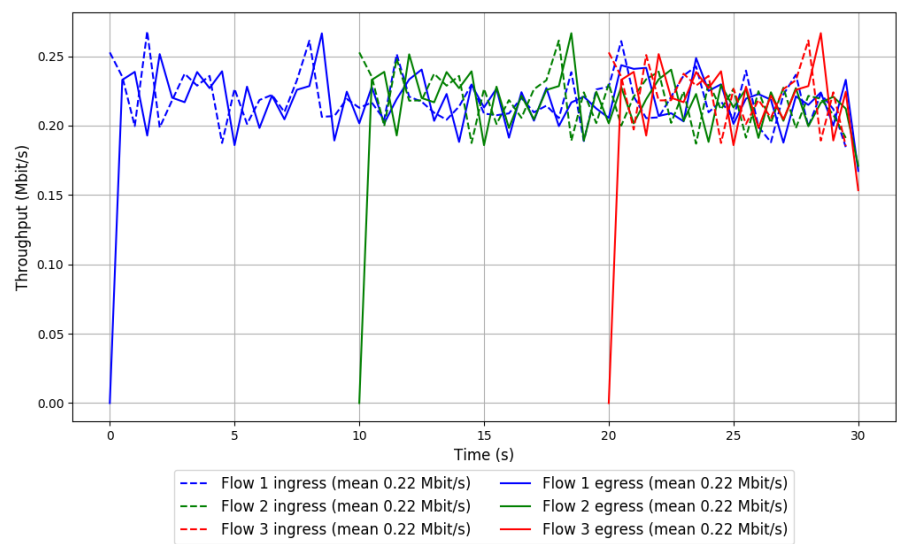


Run 3: Statistics of SReAM

Start at: 2019-07-18 22:38:36
End at: 2019-07-18 22:39:06
Local clock offset: -0.023 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2019-07-19 03:07:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 47.369 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.267 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.402 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.291 ms
Loss rate: 1.09%

Run 3: Report of SCRaM — Data Link



Run 4: Statistics of SReAM

Start at: 2019-07-18 23:19:12

End at: 2019-07-18 23:19:42

Local clock offset: 0.046 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2019-07-19 03:07:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 47.328 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.331 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.322 ms

Loss rate: 0.62%

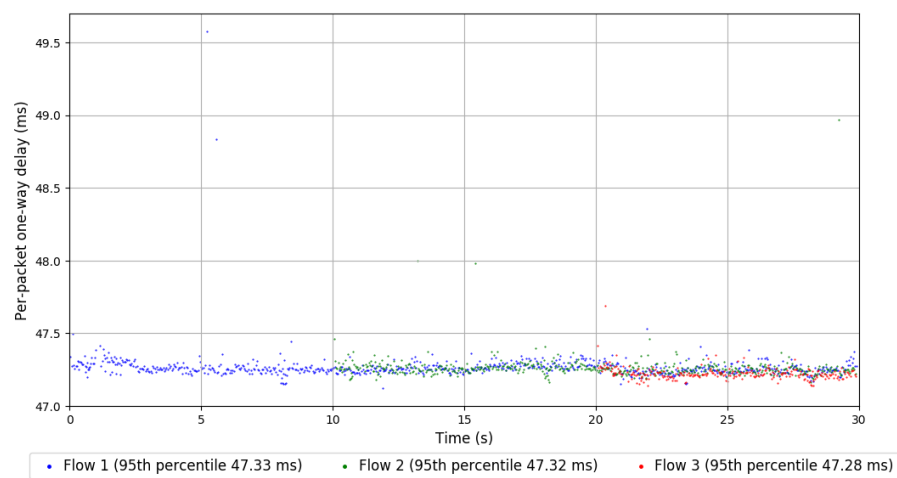
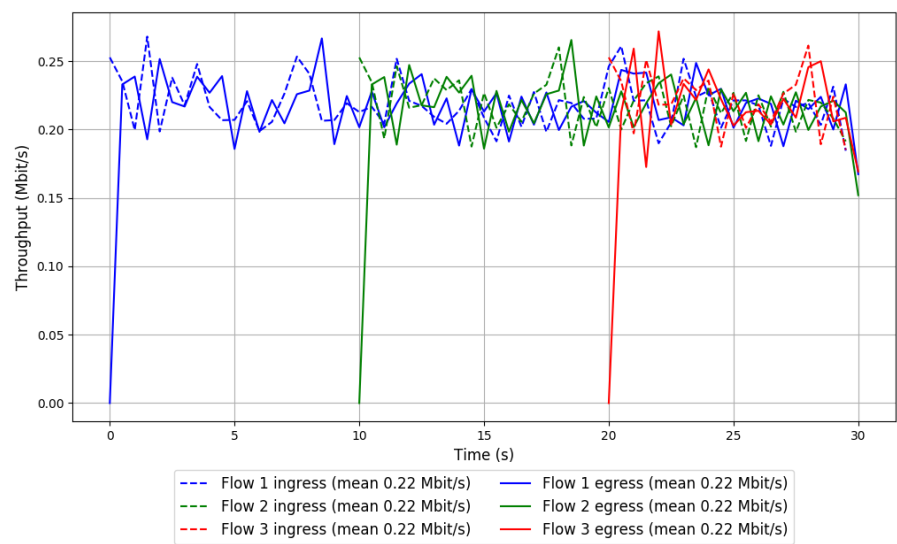
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.279 ms

Loss rate: 1.09%

Run 4: Report of SReAM — Data Link

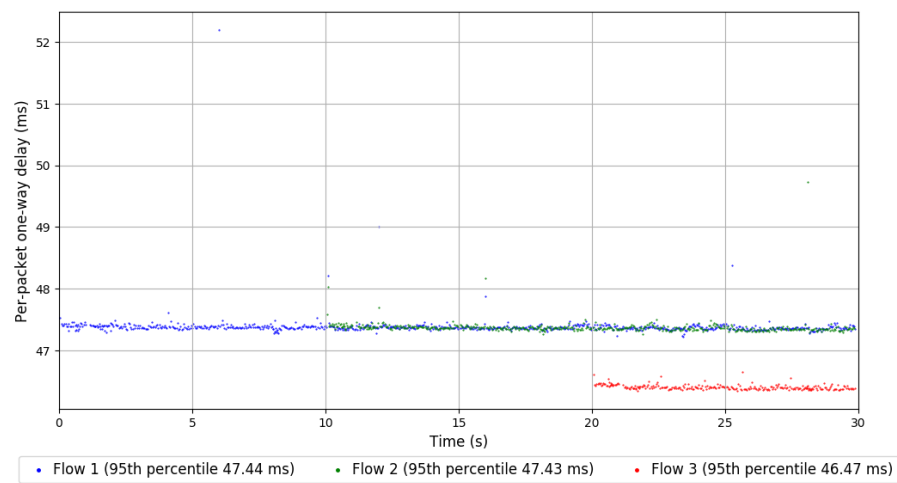
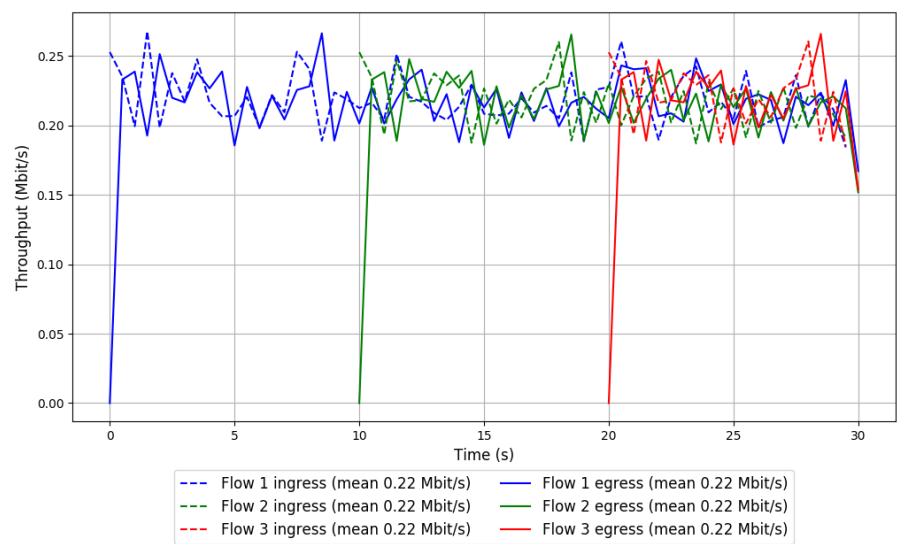


Run 5: Statistics of SReAM

Start at: 2019-07-19 00:00:12
End at: 2019-07-19 00:00:42
Local clock offset: -0.086 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2019-07-19 03:07:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 47.427 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.436 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.431 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.469 ms
Loss rate: 1.09%

Run 5: Report of SReAM — Data Link

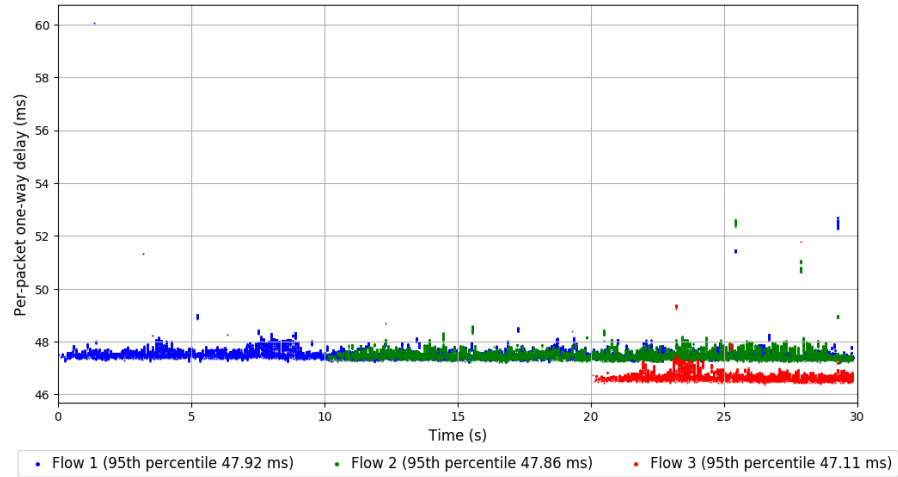
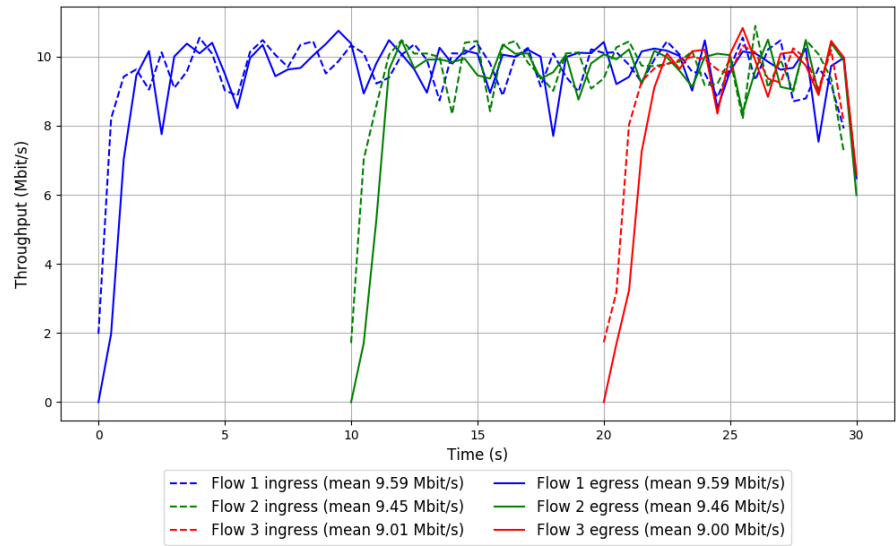


Run 1: Statistics of Sprout

Start at: 2019-07-18 21:22:49
End at: 2019-07-18 21:23:19
Local clock offset: -0.043 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-07-19 03:07:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.81 Mbit/s
95th percentile per-packet one-way delay: 47.859 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 9.59 Mbit/s
95th percentile per-packet one-way delay: 47.916 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 9.46 Mbit/s
95th percentile per-packet one-way delay: 47.857 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 9.00 Mbit/s
95th percentile per-packet one-way delay: 47.107 ms
Loss rate: 1.13%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-07-18 22:03:22

End at: 2019-07-18 22:03:52

Local clock offset: -0.111 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2019-07-19 03:07:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.09 Mbit/s

95th percentile per-packet one-way delay: 47.637 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 9.68 Mbit/s

95th percentile per-packet one-way delay: 47.632 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 9.59 Mbit/s

95th percentile per-packet one-way delay: 47.667 ms

Loss rate: 0.46%

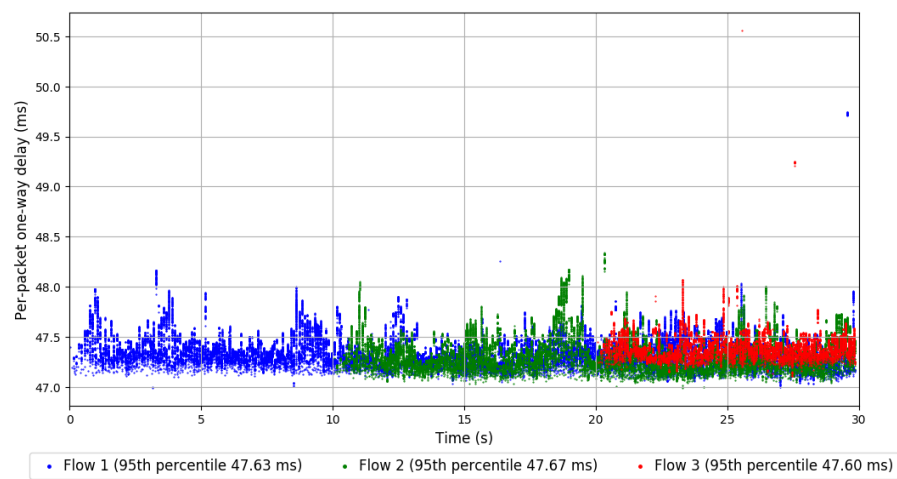
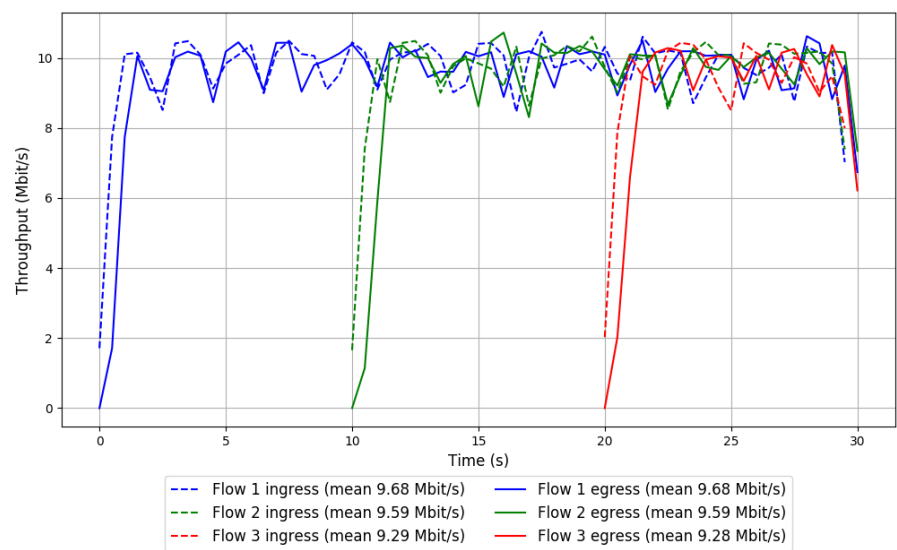
-- Flow 3:

Average throughput: 9.28 Mbit/s

95th percentile per-packet one-way delay: 47.604 ms

Loss rate: 1.11%

Run 2: Report of Sprout — Data Link

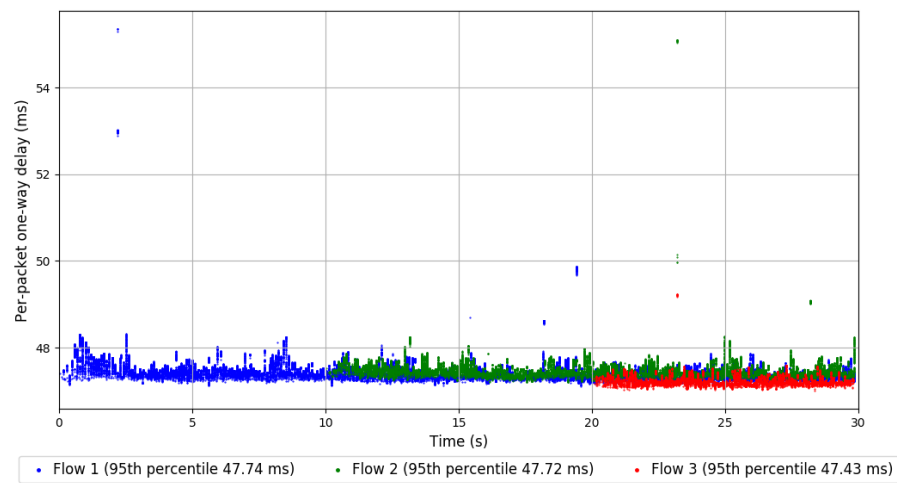
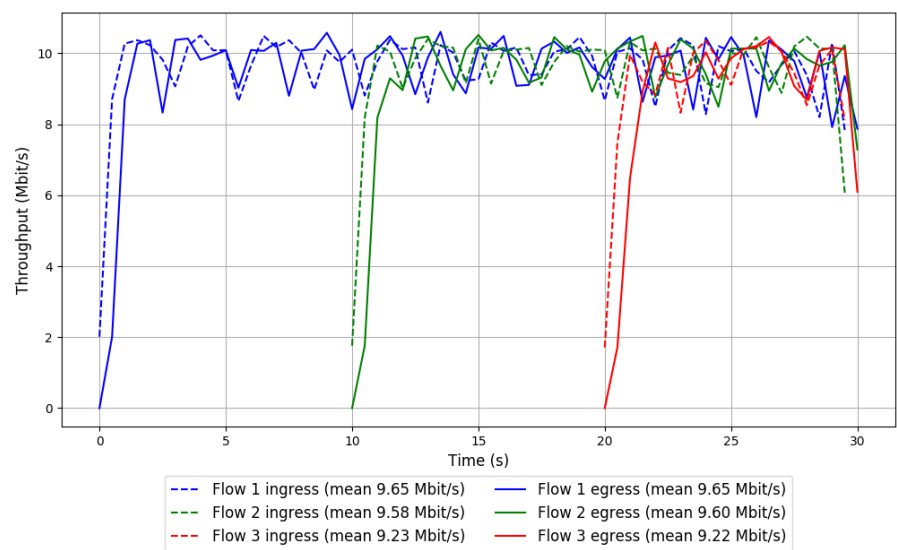


Run 3: Statistics of Sprout

Start at: 2019-07-18 22:43:59
End at: 2019-07-18 22:44:29
Local clock offset: -0.018 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-07-19 03:07:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.04 Mbit/s
95th percentile per-packet one-way delay: 47.712 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 47.743 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 47.719 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 9.22 Mbit/s
95th percentile per-packet one-way delay: 47.426 ms
Loss rate: 1.12%

Run 3: Report of Sprout — Data Link

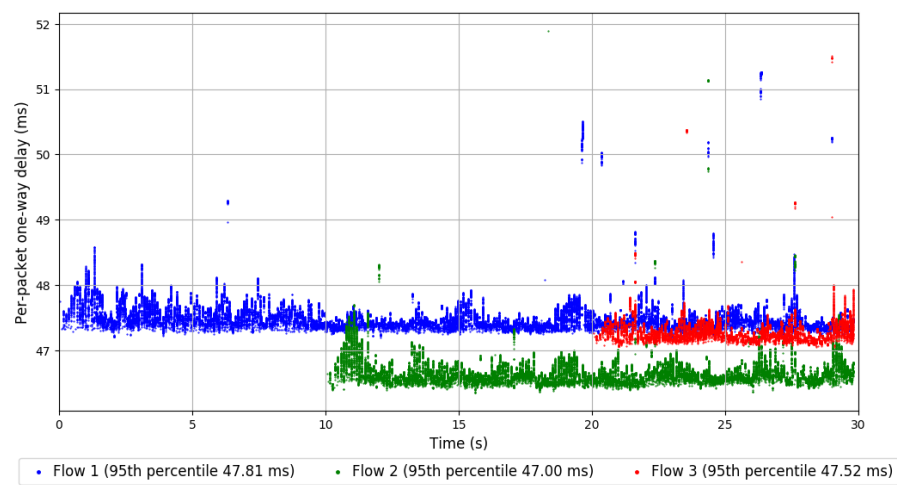
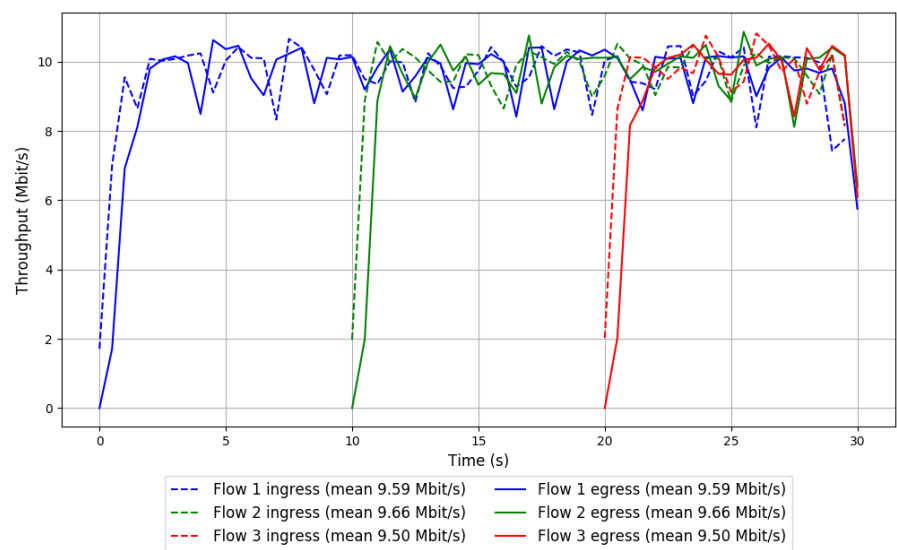


Run 4: Statistics of Sprout

Start at: 2019-07-18 23:24:36
End at: 2019-07-18 23:25:06
Local clock offset: -0.045 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2019-07-19 03:07:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.11 Mbit/s
95th percentile per-packet one-way delay: 47.710 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 9.59 Mbit/s
95th percentile per-packet one-way delay: 47.810 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 47.001 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 47.523 ms
Loss rate: 1.09%

Run 4: Report of Sprout — Data Link

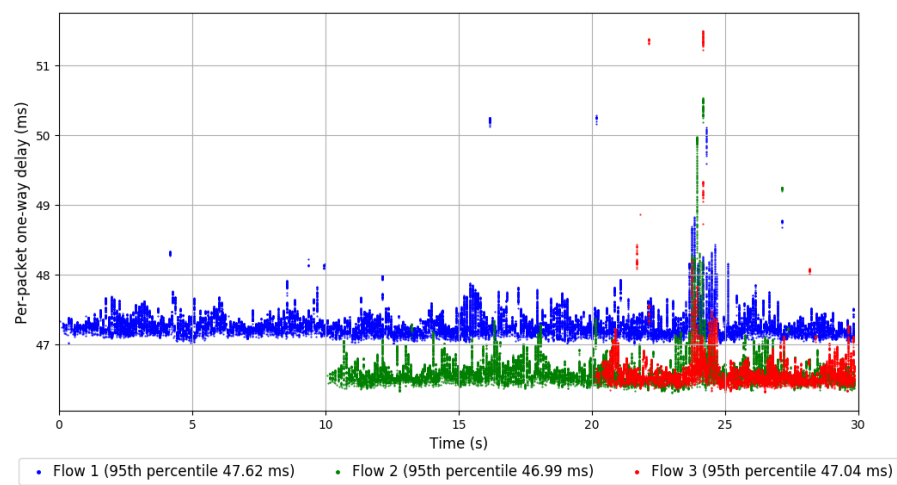
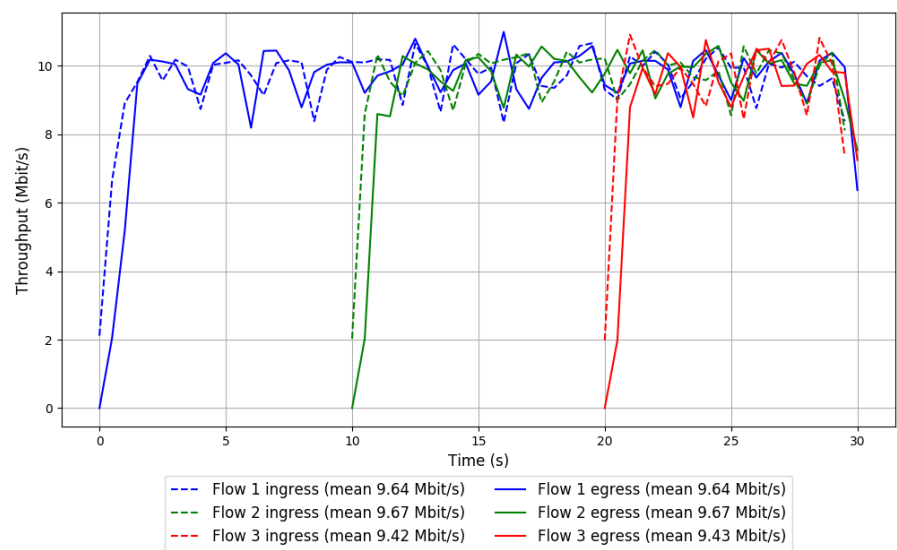


Run 5: Statistics of Sprout

Start at: 2019-07-19 00:05:35
End at: 2019-07-19 00:06:05
Local clock offset: -0.084 ms
Remote clock offset: 0.005 ms

```
# Below is generated by plot.py at 2019-07-19 03:07:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.14 Mbit/s
95th percentile per-packet one-way delay: 47.518 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 47.618 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 46.989 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 9.43 Mbit/s
95th percentile per-packet one-way delay: 47.037 ms
Loss rate: 0.74%
```

Run 5: Report of Sprout — Data Link

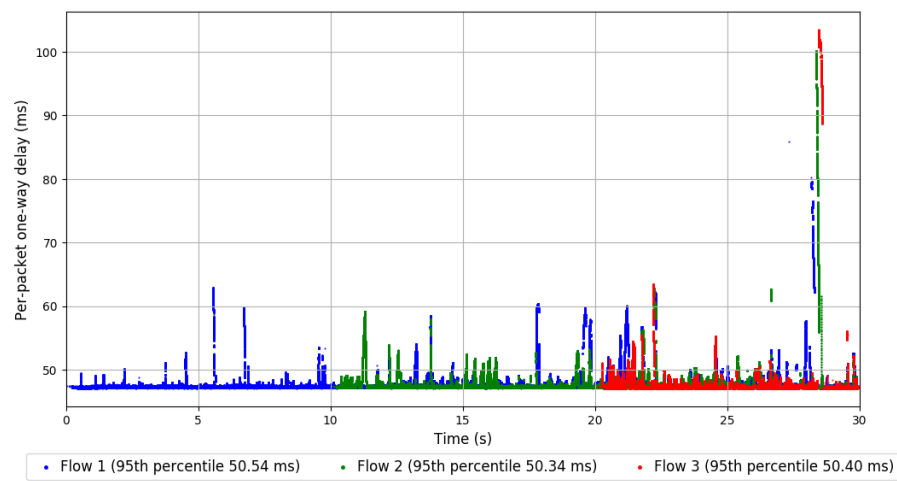
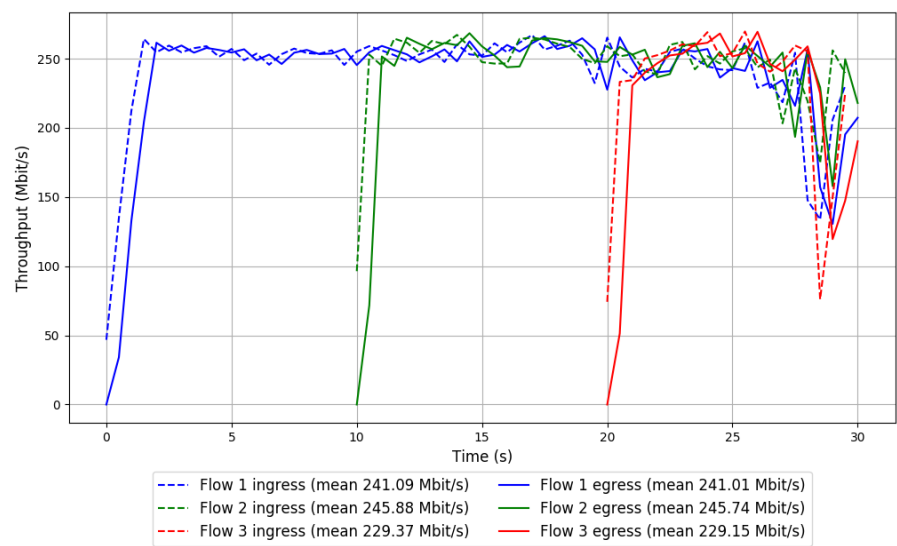


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-07-18 21:13:43
End at: 2019-07-18 21:14:13
Local clock offset: -0.052 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2019-07-19 03:13:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 480.02 Mbit/s
95th percentile per-packet one-way delay: 50.451 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 241.01 Mbit/s
95th percentile per-packet one-way delay: 50.541 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 245.74 Mbit/s
95th percentile per-packet one-way delay: 50.342 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 229.15 Mbit/s
95th percentile per-packet one-way delay: 50.402 ms
Loss rate: 1.06%
```

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

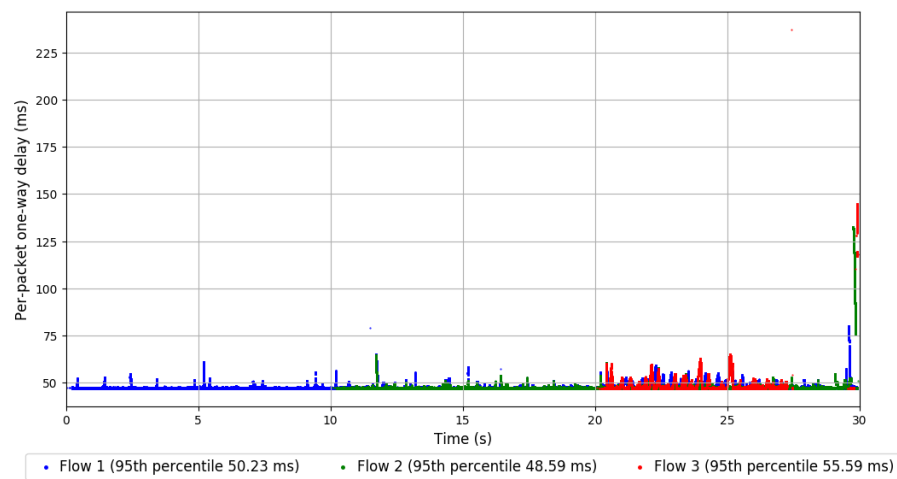
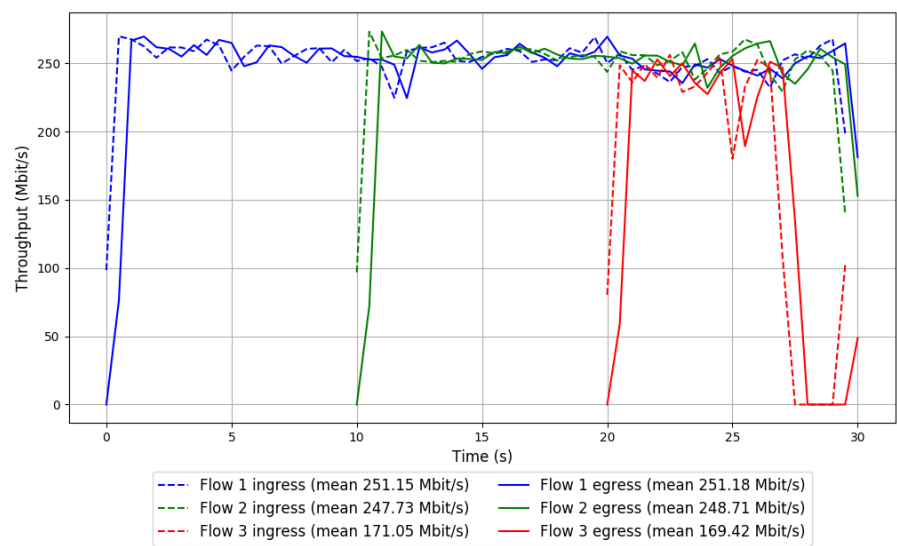


Run 2: Statistics of TaoVA-100x

Start at: 2019-07-18 21:54:12
End at: 2019-07-18 21:54:42
Local clock offset: -0.052 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-07-19 03:13:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 472.43 Mbit/s
95th percentile per-packet one-way delay: 50.769 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 251.18 Mbit/s
95th percentile per-packet one-way delay: 50.225 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 248.71 Mbit/s
95th percentile per-packet one-way delay: 48.593 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 169.42 Mbit/s
95th percentile per-packet one-way delay: 55.592 ms
Loss rate: 1.58%

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

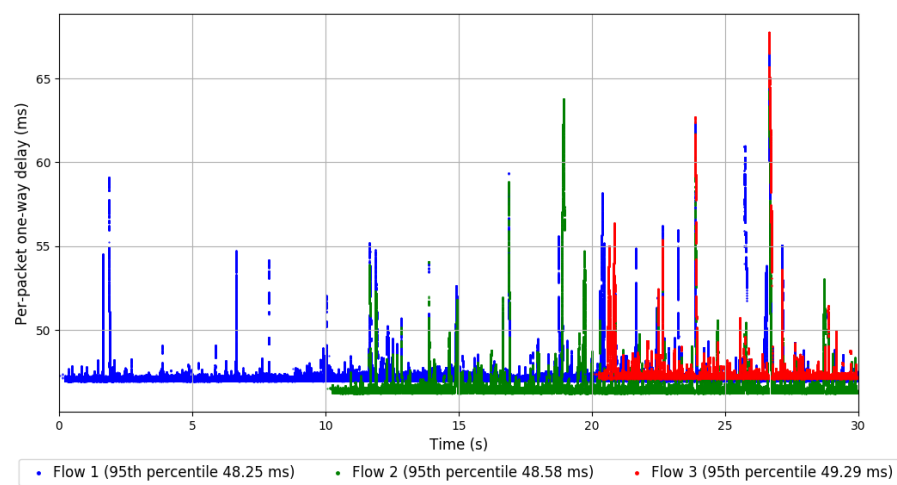
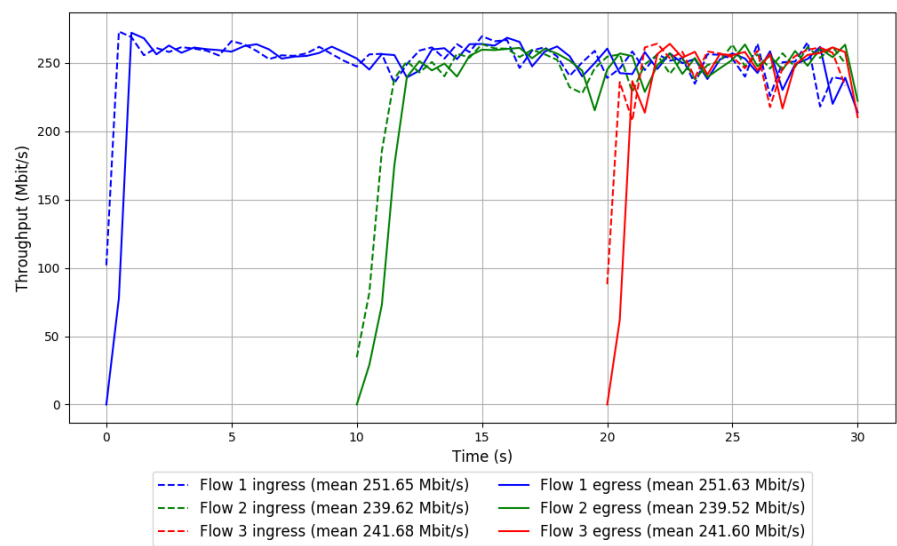


Run 3: Statistics of TaoVA-100x

Start at: 2019-07-18 22:34:51
End at: 2019-07-18 22:35:21
Local clock offset: -0.052 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-07-19 03:14:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 490.65 Mbit/s
95th percentile per-packet one-way delay: 48.495 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 251.63 Mbit/s
95th percentile per-packet one-way delay: 48.250 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 239.52 Mbit/s
95th percentile per-packet one-way delay: 48.575 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 241.60 Mbit/s
95th percentile per-packet one-way delay: 49.288 ms
Loss rate: 0.99%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-07-18 23:15:28

End at: 2019-07-18 23:15:58

Local clock offset: 0.027 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2019-07-19 03:14:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 493.03 Mbit/s

95th percentile per-packet one-way delay: 49.695 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 253.48 Mbit/s

95th percentile per-packet one-way delay: 49.126 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 242.17 Mbit/s

95th percentile per-packet one-way delay: 51.221 ms

Loss rate: 0.56%

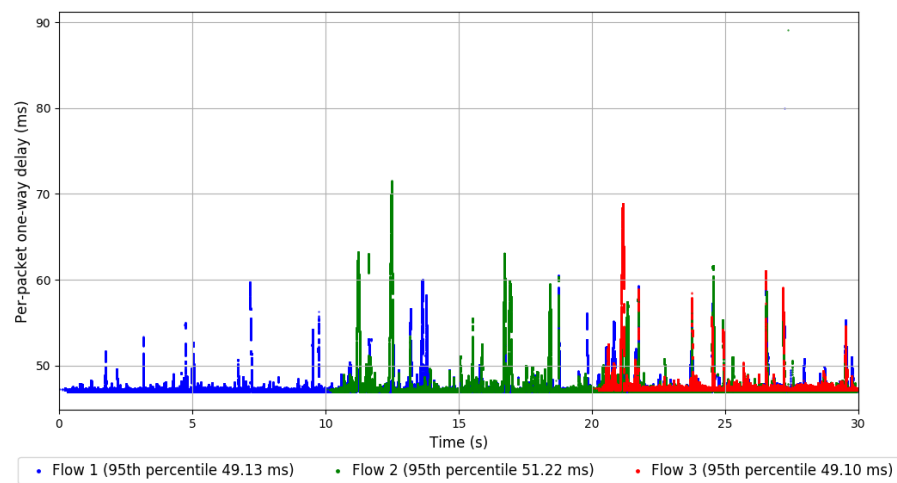
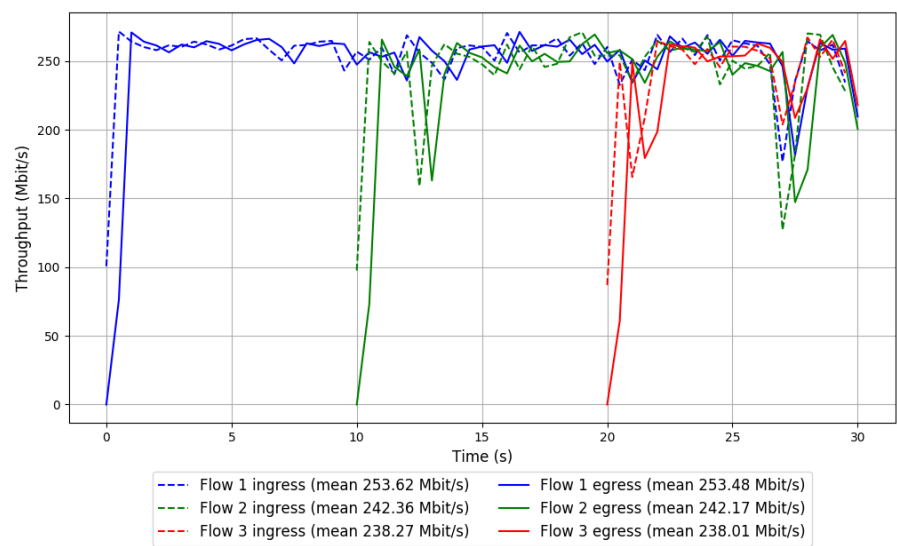
-- Flow 3:

Average throughput: 238.01 Mbit/s

95th percentile per-packet one-way delay: 49.097 ms

Loss rate: 1.07%

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

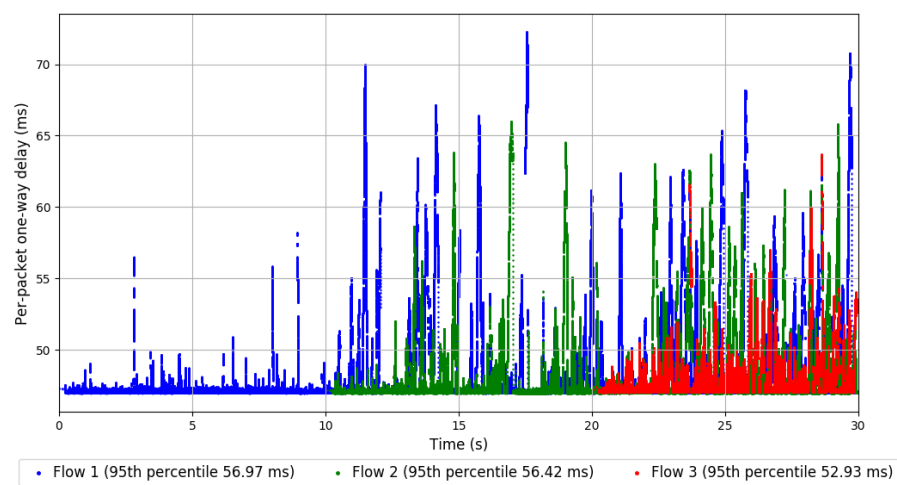
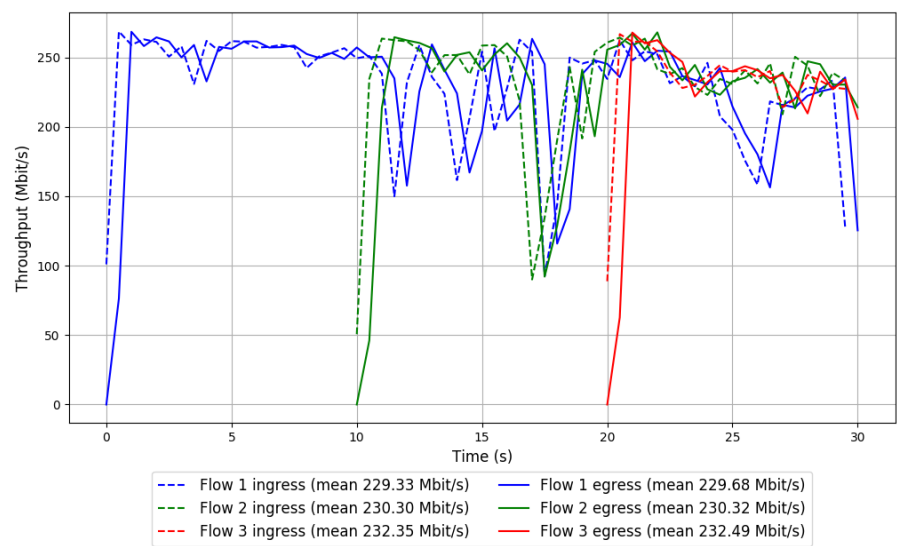


Run 5: Statistics of TaoVA-100x

Start at: 2019-07-18 23:56:29
End at: 2019-07-18 23:56:59
Local clock offset: -0.063 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2019-07-19 03:14:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 459.57 Mbit/s
95th percentile per-packet one-way delay: 55.942 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 229.68 Mbit/s
95th percentile per-packet one-way delay: 56.971 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 230.32 Mbit/s
95th percentile per-packet one-way delay: 56.425 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 232.49 Mbit/s
95th percentile per-packet one-way delay: 52.931 ms
Loss rate: 0.90%

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

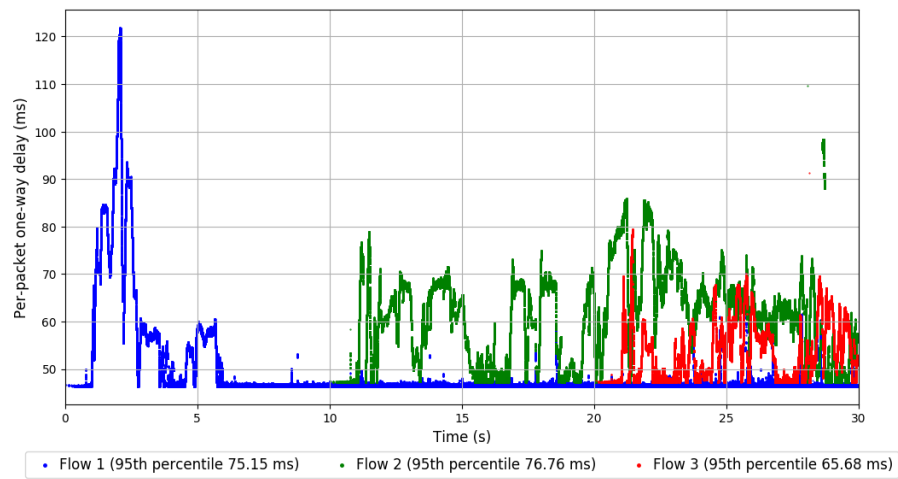
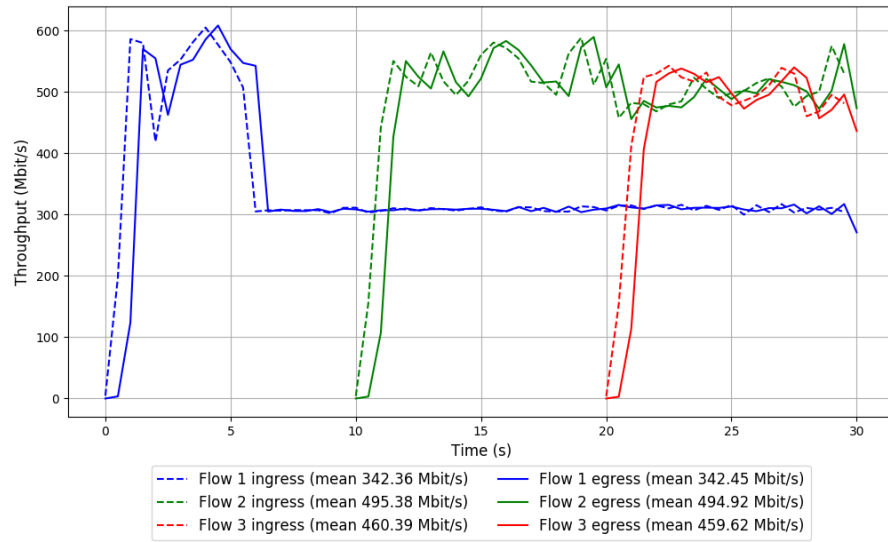


Run 1: Statistics of TCP Vegas

Start at: 2019-07-18 21:29:24
End at: 2019-07-18 21:29:54
Local clock offset: -0.035 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-07-19 03:19:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 823.46 Mbit/s
95th percentile per-packet one-way delay: 74.477 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 342.45 Mbit/s
95th percentile per-packet one-way delay: 75.154 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 494.92 Mbit/s
95th percentile per-packet one-way delay: 76.757 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 459.62 Mbit/s
95th percentile per-packet one-way delay: 65.682 ms
Loss rate: 1.12%

Run 1: Report of TCP Vegas — Data Link

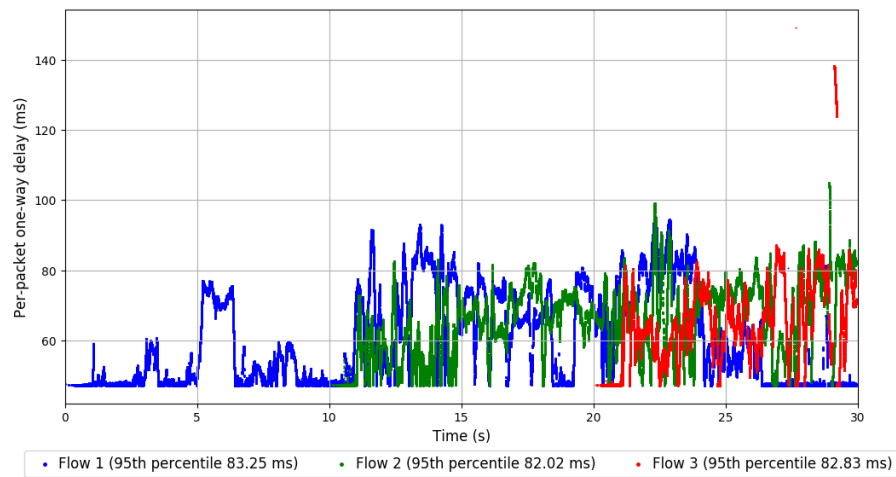
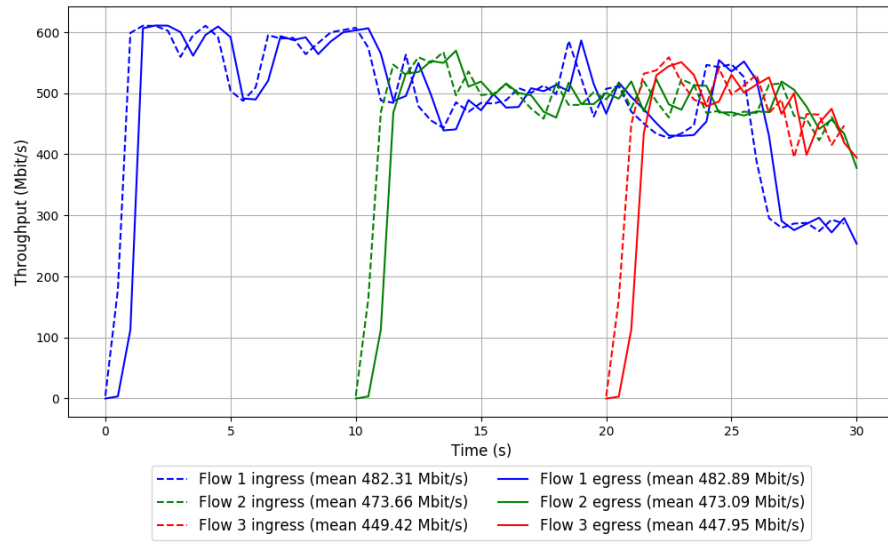


Run 2: Statistics of TCP Vegas

Start at: 2019-07-18 22:09:59
End at: 2019-07-18 22:10:29
Local clock offset: -0.057 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2019-07-19 03:25:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 945.60 Mbit/s
95th percentile per-packet one-way delay: 82.762 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 482.89 Mbit/s
95th percentile per-packet one-way delay: 83.251 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 473.09 Mbit/s
95th percentile per-packet one-way delay: 82.015 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 447.95 Mbit/s
95th percentile per-packet one-way delay: 82.826 ms
Loss rate: 1.26%

Run 2: Report of TCP Vegas — Data Link

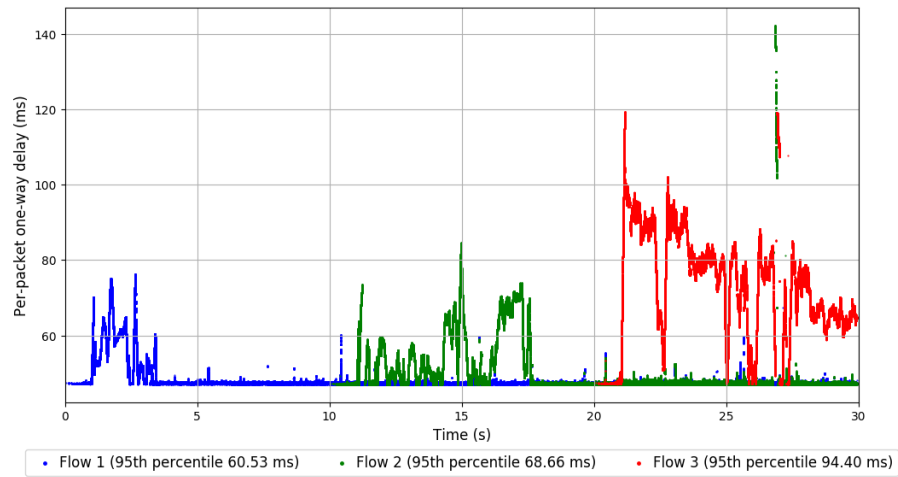
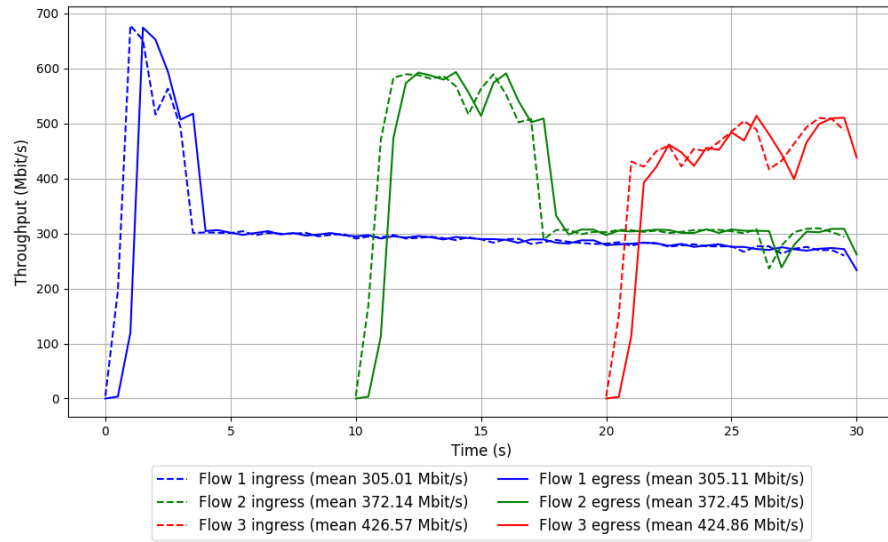


Run 3: Statistics of TCP Vegas

Start at: 2019-07-18 22:50:37
End at: 2019-07-18 22:51:07
Local clock offset: 0.015 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-07-19 03:25:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 693.09 Mbit/s
95th percentile per-packet one-way delay: 83.587 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 305.11 Mbit/s
95th percentile per-packet one-way delay: 60.529 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 372.45 Mbit/s
95th percentile per-packet one-way delay: 68.659 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 424.86 Mbit/s
95th percentile per-packet one-way delay: 94.398 ms
Loss rate: 1.35%

Run 3: Report of TCP Vegas — Data Link

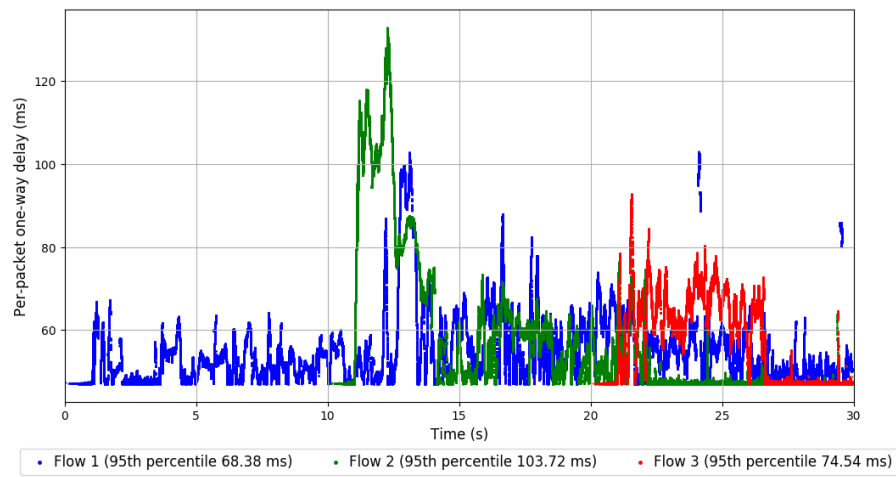
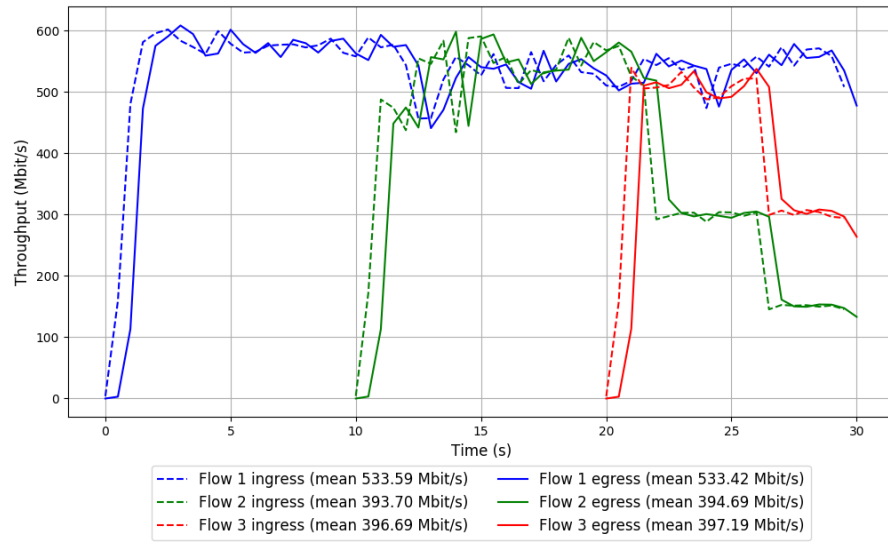


Run 4: Statistics of TCP Vegas

Start at: 2019-07-18 23:31:13
End at: 2019-07-18 23:31:43
Local clock offset: -0.029 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-07-19 03:31:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 927.08 Mbit/s
95th percentile per-packet one-way delay: 81.370 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 533.42 Mbit/s
95th percentile per-packet one-way delay: 68.380 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 394.69 Mbit/s
95th percentile per-packet one-way delay: 103.722 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 397.19 Mbit/s
95th percentile per-packet one-way delay: 74.538 ms
Loss rate: 0.82%

Run 4: Report of TCP Vegas — Data Link

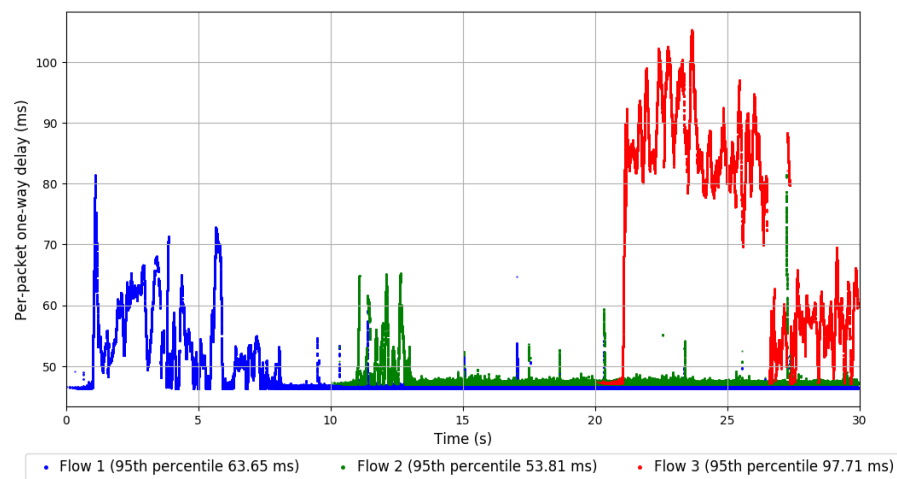
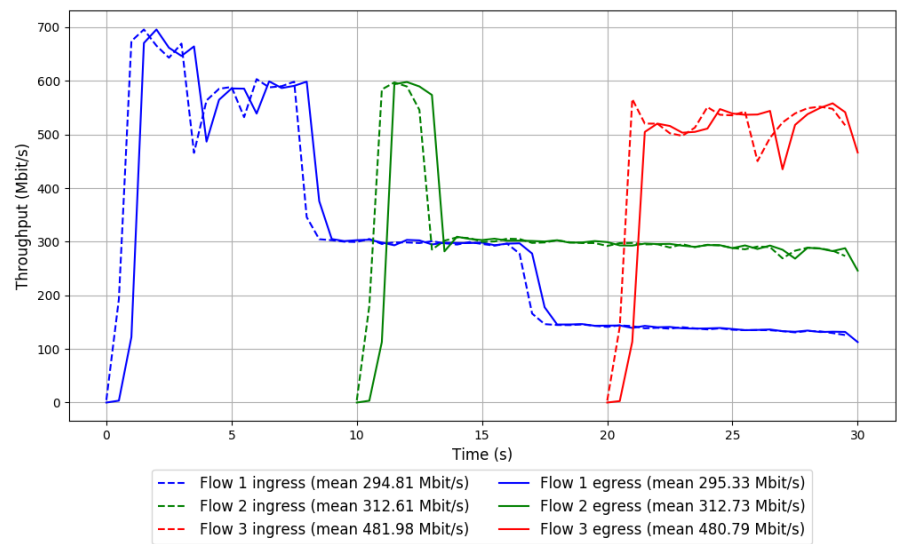


Run 5: Statistics of TCP Vegas

Start at: 2019-07-19 00:12:12
End at: 2019-07-19 00:12:42
Local clock offset: -0.071 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-07-19 03:31:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 662.03 Mbit/s
95th percentile per-packet one-way delay: 88.380 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 295.33 Mbit/s
95th percentile per-packet one-way delay: 63.649 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 312.73 Mbit/s
95th percentile per-packet one-way delay: 53.809 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 480.79 Mbit/s
95th percentile per-packet one-way delay: 97.711 ms
Loss rate: 1.20%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-07-18 21:27:48

End at: 2019-07-18 21:28:18

Local clock offset: -0.083 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2019-07-19 03:31:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 261.67 Mbit/s

95th percentile per-packet one-way delay: 101.377 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 126.75 Mbit/s

95th percentile per-packet one-way delay: 81.745 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 141.97 Mbit/s

95th percentile per-packet one-way delay: 76.791 ms

Loss rate: 0.29%

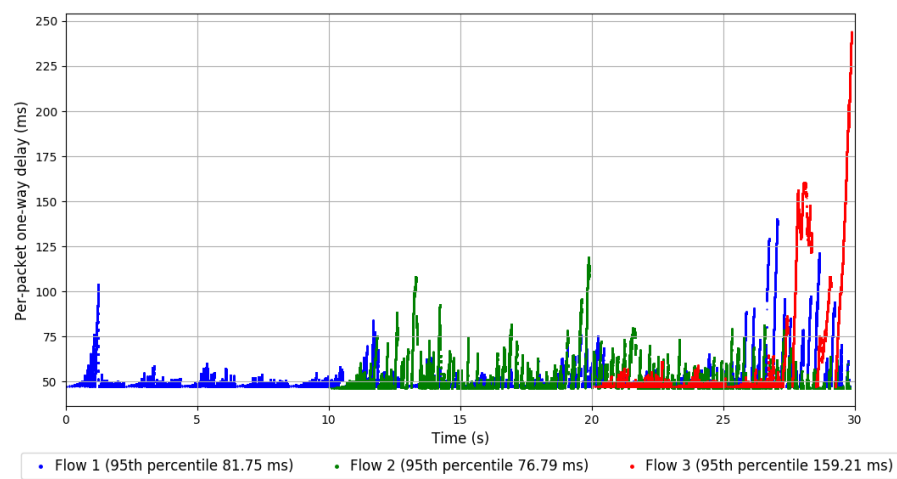
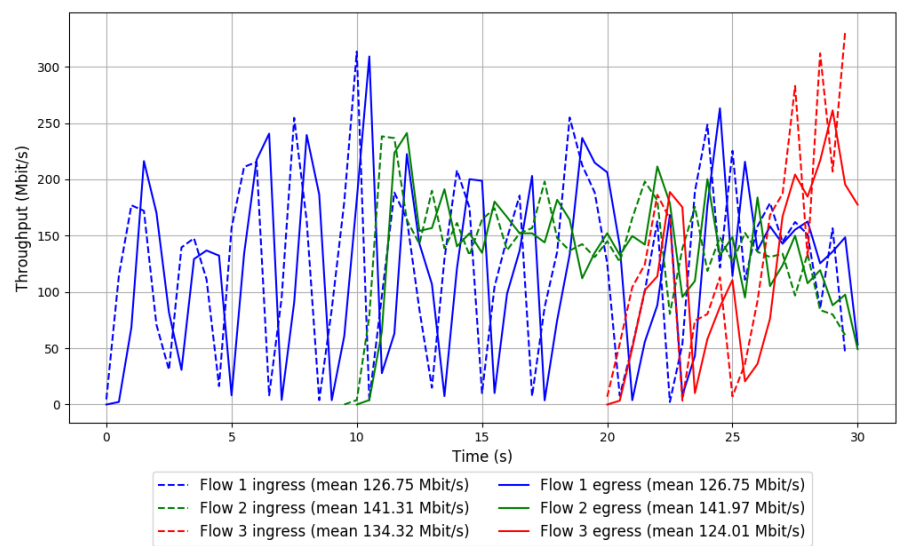
-- Flow 3:

Average throughput: 124.01 Mbit/s

95th percentile per-packet one-way delay: 159.211 ms

Loss rate: 8.57%

Run 1: Report of Verus — Data Link

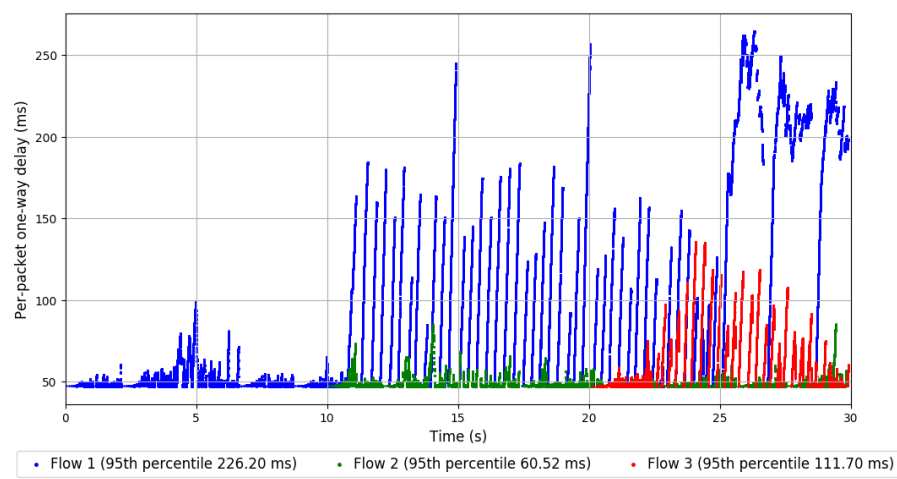
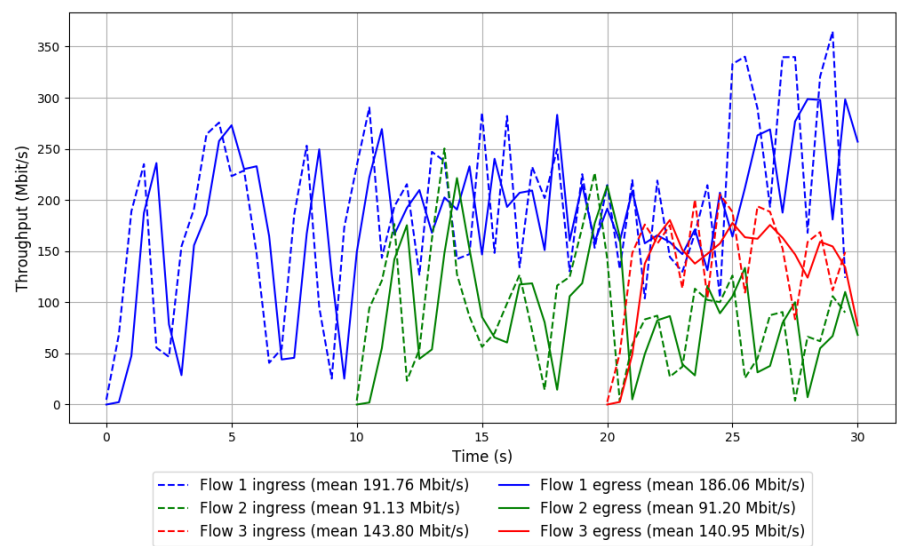


Run 2: Statistics of Verus

Start at: 2019-07-18 22:08:20
End at: 2019-07-18 22:08:50
Local clock offset: -0.087 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2019-07-19 03:31:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.80 Mbit/s
95th percentile per-packet one-way delay: 217.282 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 186.06 Mbit/s
95th percentile per-packet one-way delay: 226.199 ms
Loss rate: 2.49%
-- Flow 2:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 60.518 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 140.95 Mbit/s
95th percentile per-packet one-way delay: 111.703 ms
Loss rate: 2.53%

Run 2: Report of Verus — Data Link

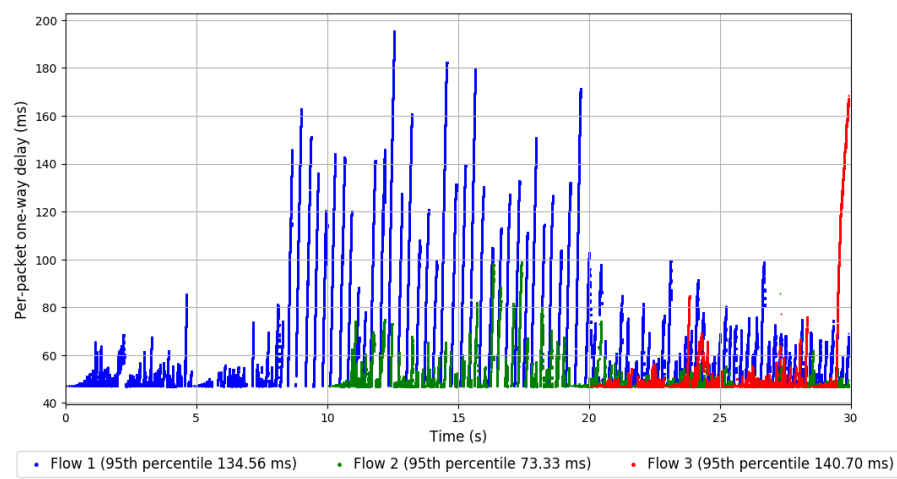
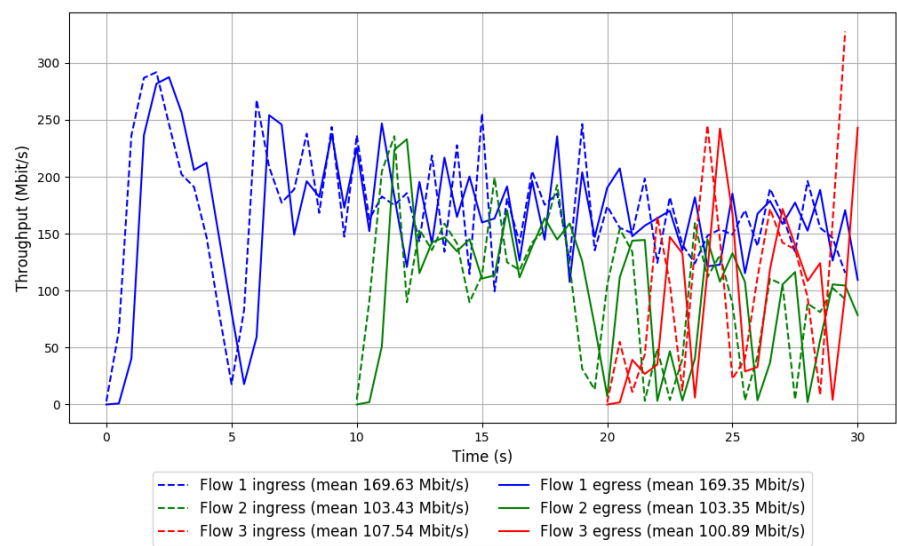


Run 3: Statistics of Verus

Start at: 2019-07-18 22:49:00
End at: 2019-07-18 22:49:30
Local clock offset: -0.012 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2019-07-19 03:31:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 271.30 Mbit/s
95th percentile per-packet one-way delay: 129.243 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 169.35 Mbit/s
95th percentile per-packet one-way delay: 134.564 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 103.35 Mbit/s
95th percentile per-packet one-way delay: 73.327 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 100.89 Mbit/s
95th percentile per-packet one-way delay: 140.696 ms
Loss rate: 7.09%

Run 3: Report of Verus — Data Link

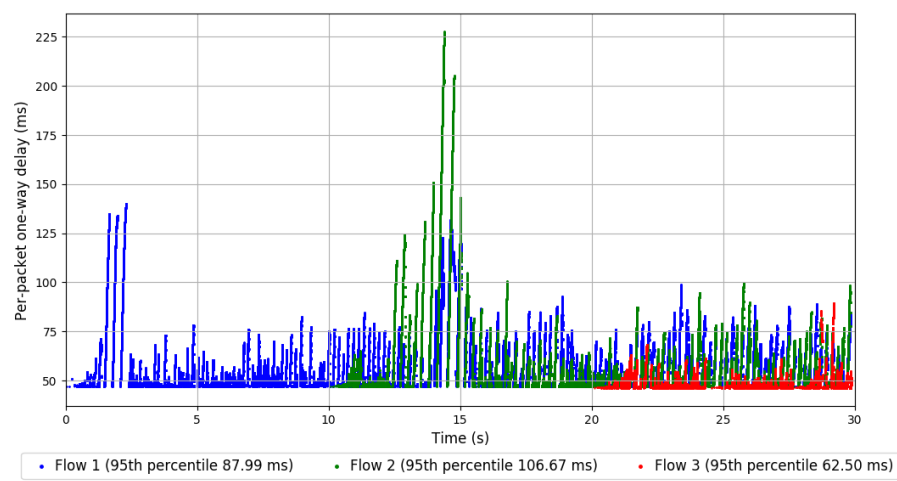
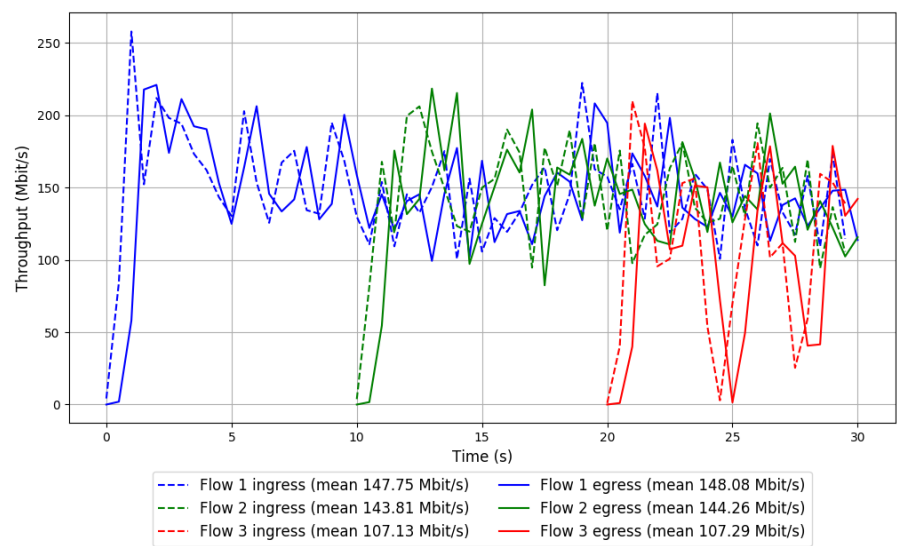


Run 4: Statistics of Verus

Start at: 2019-07-18 23:29:36
End at: 2019-07-18 23:30:06
Local clock offset: -0.014 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2019-07-19 03:31:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.69 Mbit/s
95th percentile per-packet one-way delay: 94.302 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 148.08 Mbit/s
95th percentile per-packet one-way delay: 87.990 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 144.26 Mbit/s
95th percentile per-packet one-way delay: 106.672 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 107.29 Mbit/s
95th percentile per-packet one-way delay: 62.498 ms
Loss rate: 0.94%

Run 4: Report of Verus — Data Link

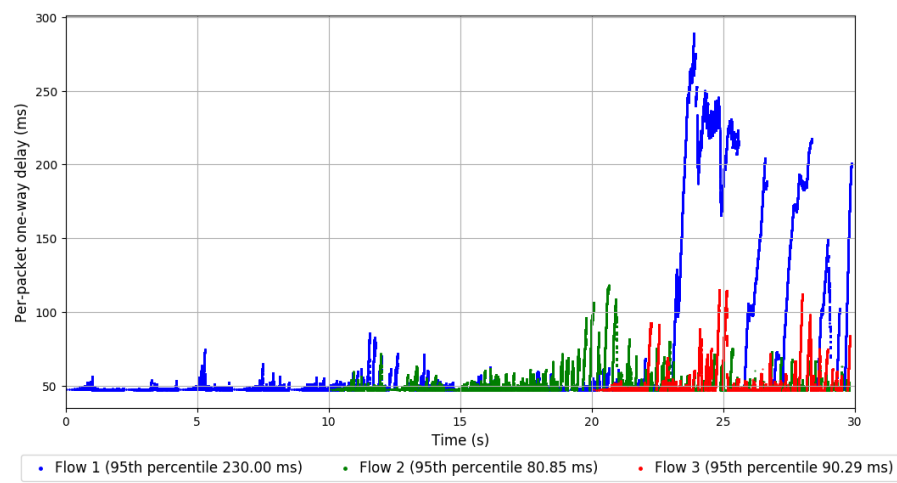
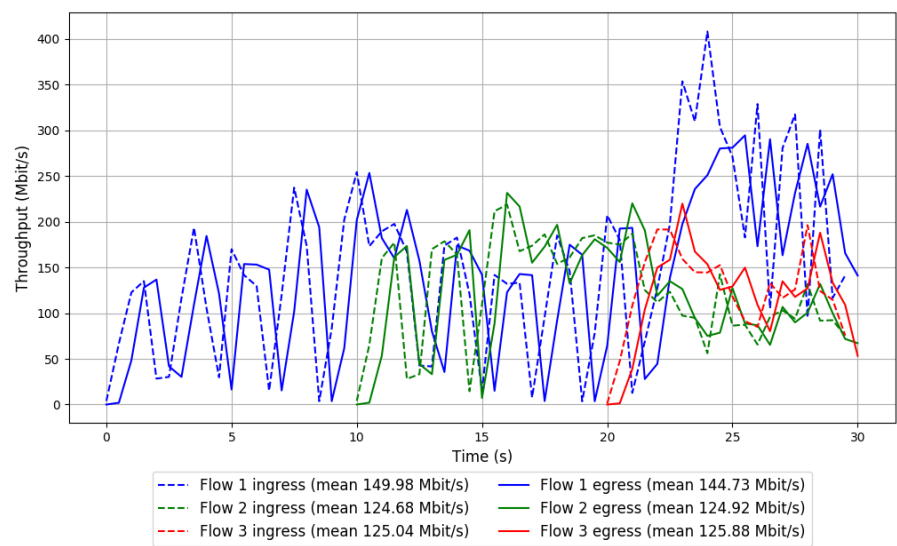


Run 5: Statistics of Verus

Start at: 2019-07-19 00:10:36
End at: 2019-07-19 00:11:06
Local clock offset: -0.084 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-07-19 03:31:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 268.45 Mbit/s
95th percentile per-packet one-way delay: 216.333 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 144.73 Mbit/s
95th percentile per-packet one-way delay: 230.003 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 124.92 Mbit/s
95th percentile per-packet one-way delay: 80.849 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 125.88 Mbit/s
95th percentile per-packet one-way delay: 90.286 ms
Loss rate: 1.13%

Run 5: Report of Verus — Data Link

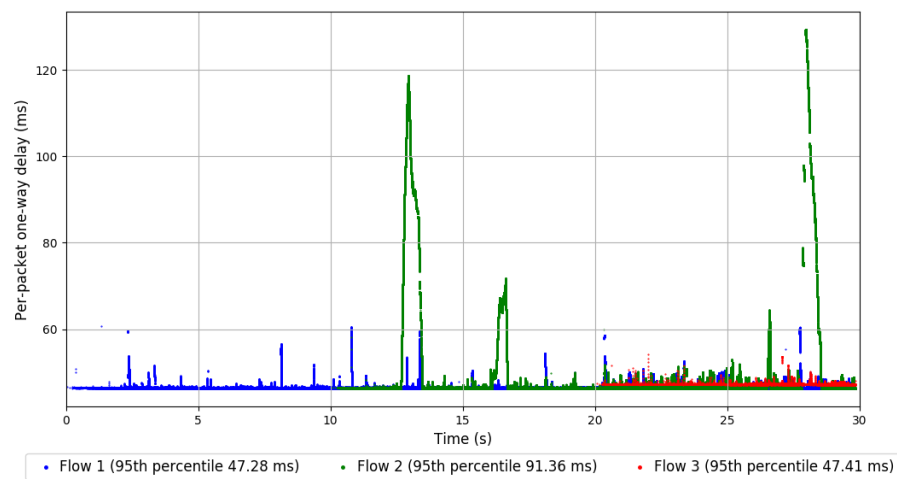
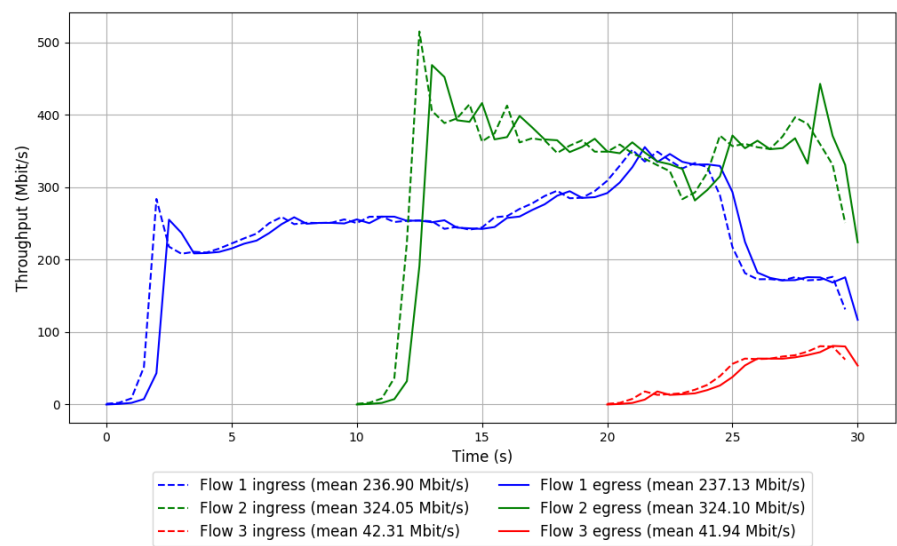


Run 1: Statistics of PCC-Vivace

Start at: 2019-07-18 21:05:14
End at: 2019-07-18 21:05:44
Local clock offset: -0.025 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2019-07-19 03:31:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 466.11 Mbit/s
95th percentile per-packet one-way delay: 62.065 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 237.13 Mbit/s
95th percentile per-packet one-way delay: 47.281 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 324.10 Mbit/s
95th percentile per-packet one-way delay: 91.364 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 41.94 Mbit/s
95th percentile per-packet one-way delay: 47.415 ms
Loss rate: 1.81%

Run 1: Report of PCC-Vivace — Data Link

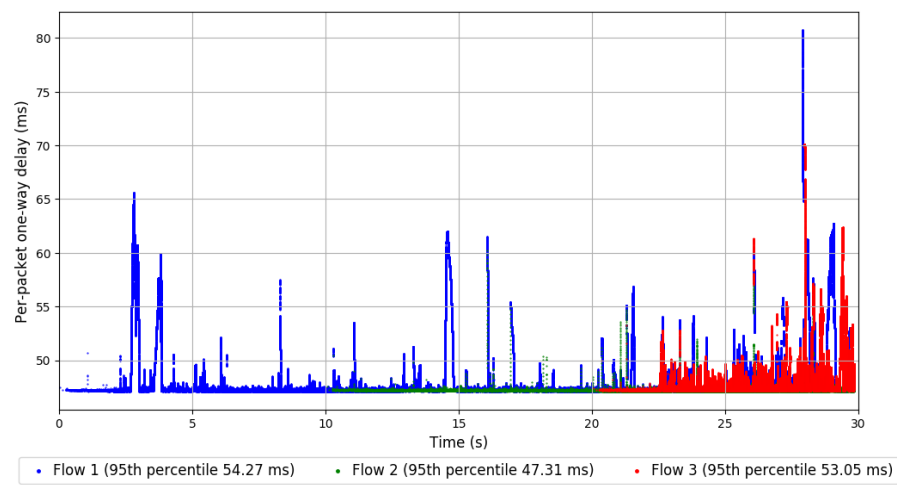
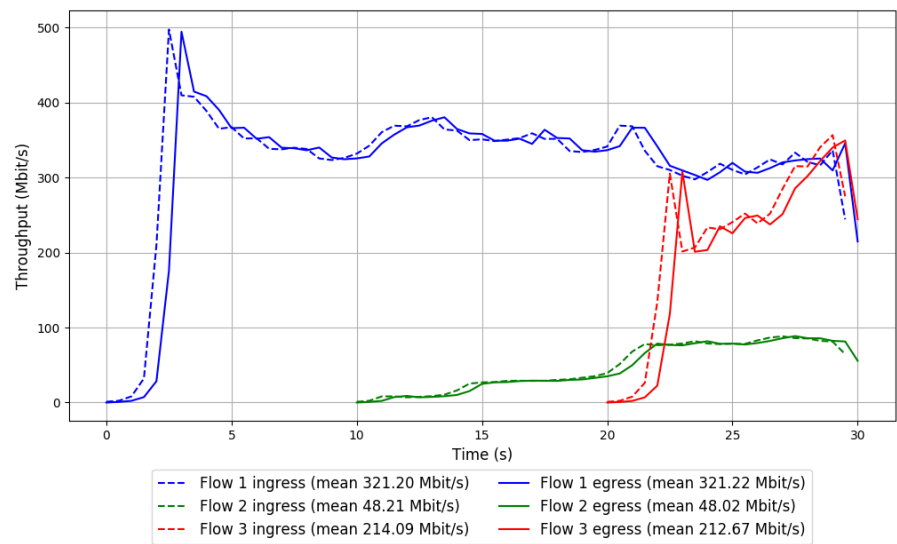


Run 2: Statistics of PCC-Vivace

Start at: 2019-07-18 21:45:51
End at: 2019-07-18 21:46:21
Local clock offset: -0.063 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-07-19 03:31:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 422.82 Mbit/s
95th percentile per-packet one-way delay: 53.575 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 321.22 Mbit/s
95th percentile per-packet one-way delay: 54.273 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 48.02 Mbit/s
95th percentile per-packet one-way delay: 47.313 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 212.67 Mbit/s
95th percentile per-packet one-way delay: 53.055 ms
Loss rate: 1.63%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-07-18 22:26:18

End at: 2019-07-18 22:26:48

Local clock offset: 0.342 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-07-19 03:32:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 526.30 Mbit/s

95th percentile per-packet one-way delay: 70.043 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 317.27 Mbit/s

95th percentile per-packet one-way delay: 54.723 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 307.28 Mbit/s

95th percentile per-packet one-way delay: 100.629 ms

Loss rate: 0.54%

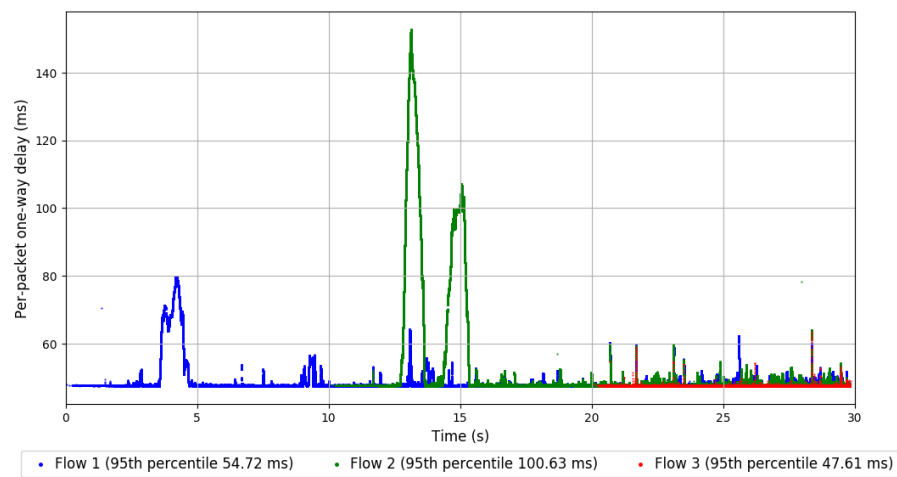
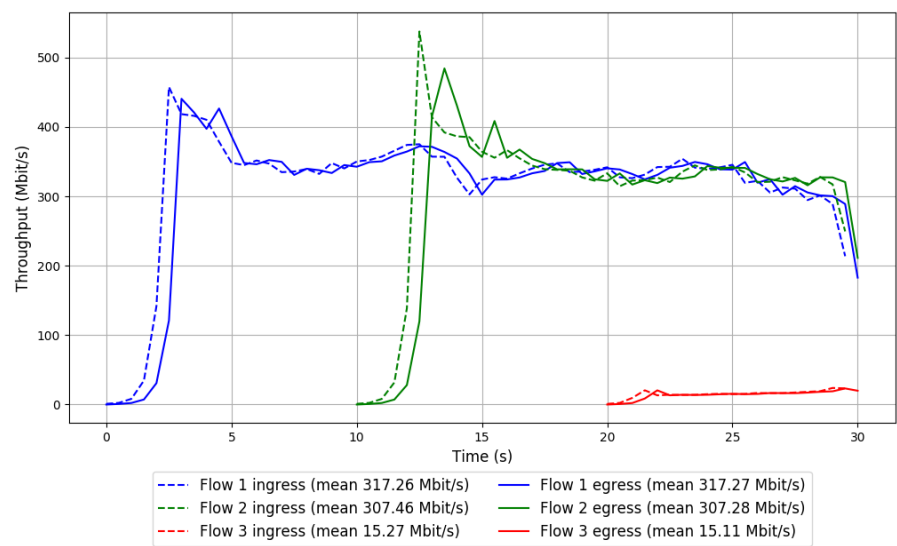
-- Flow 3:

Average throughput: 15.11 Mbit/s

95th percentile per-packet one-way delay: 47.609 ms

Loss rate: 1.98%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-07-18 23:06:56

End at: 2019-07-18 23:07:26

Local clock offset: 0.019 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2019-07-19 03:33:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 521.23 Mbit/s

95th percentile per-packet one-way delay: 51.739 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 345.03 Mbit/s

95th percentile per-packet one-way delay: 52.900 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 252.30 Mbit/s

95th percentile per-packet one-way delay: 48.817 ms

Loss rate: 0.20%

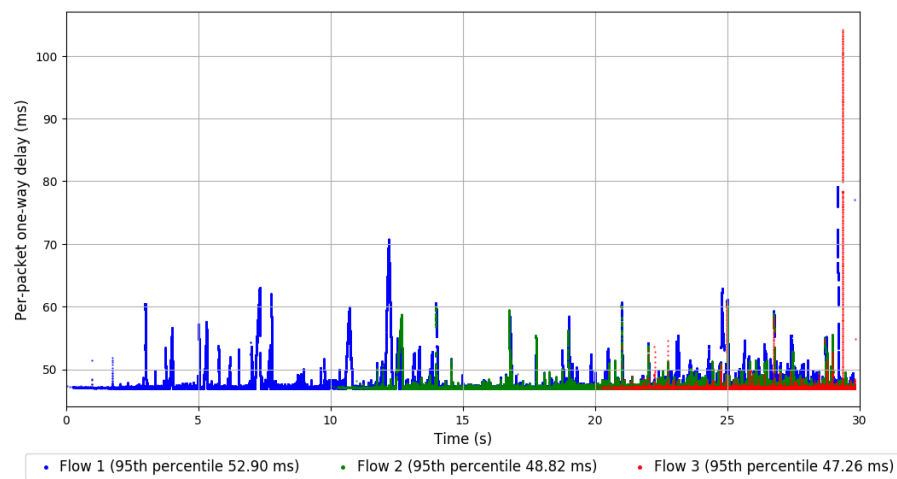
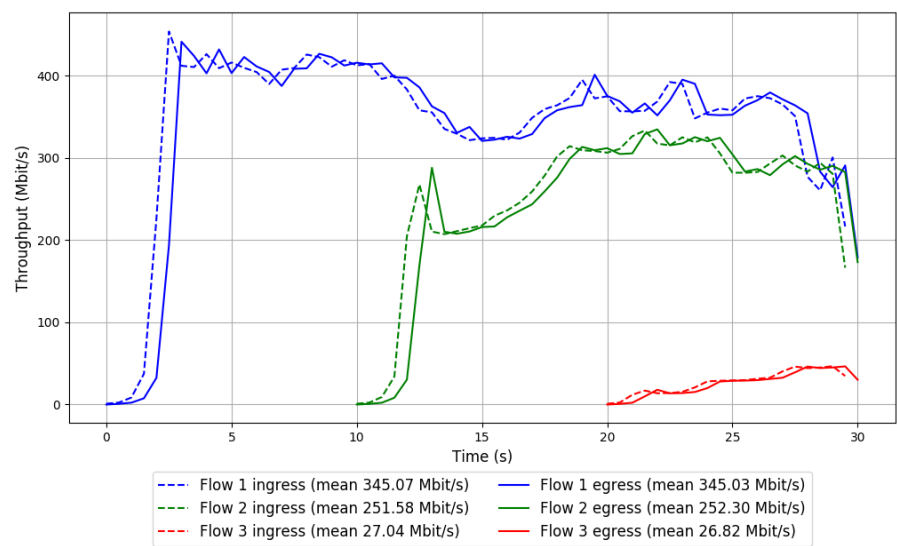
-- Flow 3:

Average throughput: 26.82 Mbit/s

95th percentile per-packet one-way delay: 47.263 ms

Loss rate: 1.69%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-07-18 23:47:50

End at: 2019-07-18 23:48:20

Local clock offset: -0.103 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-07-19 03:33:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 507.30 Mbit/s

95th percentile per-packet one-way delay: 48.737 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 331.49 Mbit/s

95th percentile per-packet one-way delay: 48.416 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 241.07 Mbit/s

95th percentile per-packet one-way delay: 49.385 ms

Loss rate: 0.50%

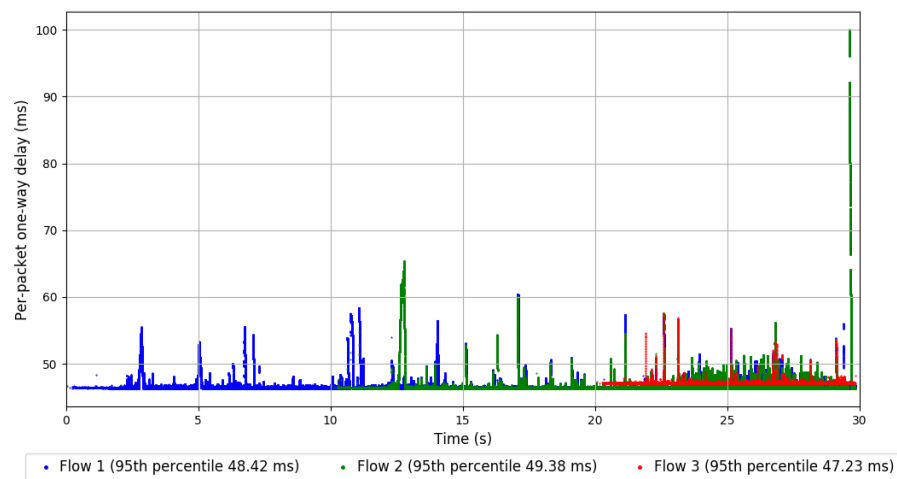
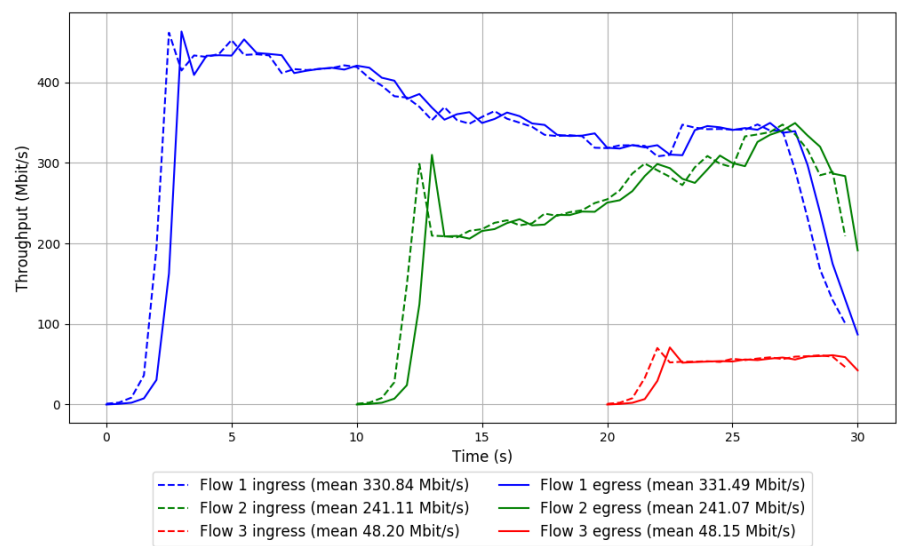
-- Flow 3:

Average throughput: 48.15 Mbit/s

95th percentile per-packet one-way delay: 47.235 ms

Loss rate: 1.07%

Run 5: Report of PCC-Vivace — Data Link

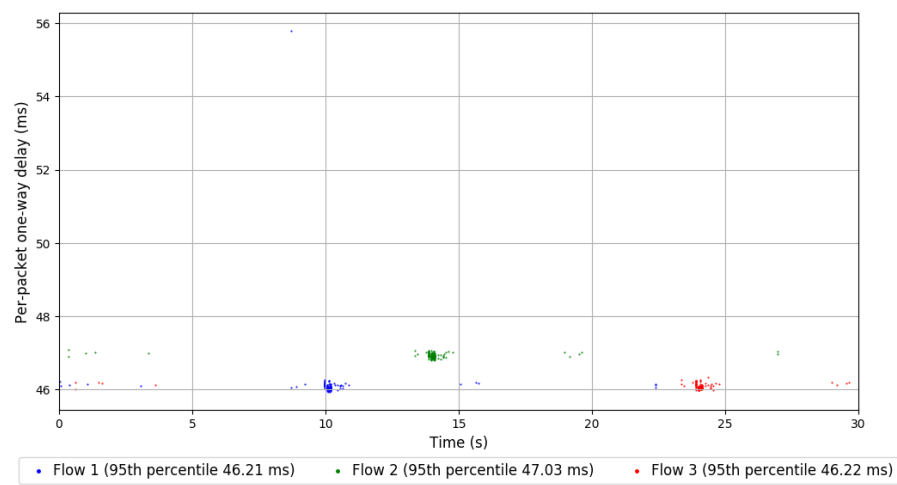
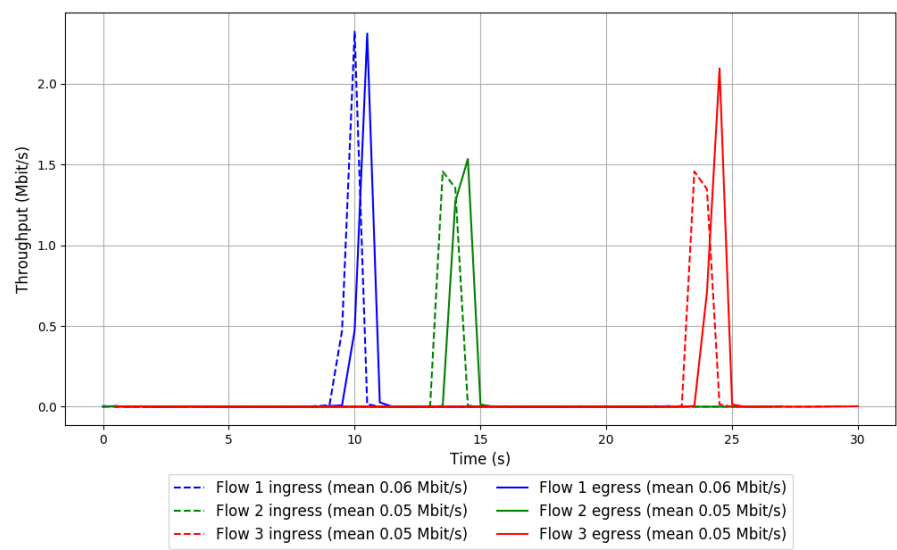


Run 1: Statistics of WebRTC media

Start at: 2019-07-18 21:19:54
End at: 2019-07-18 21:20:24
Local clock offset: -0.428 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2019-07-19 03:33:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 46.997 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 46.213 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.035 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 46.224 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

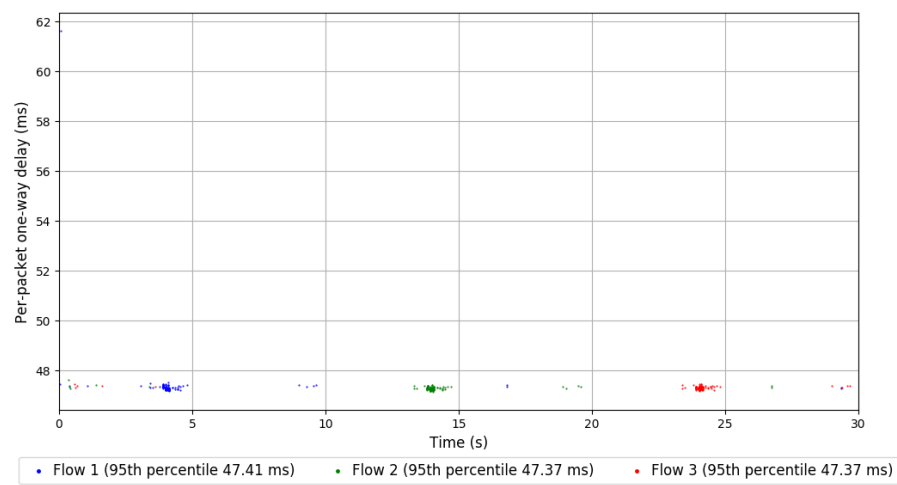
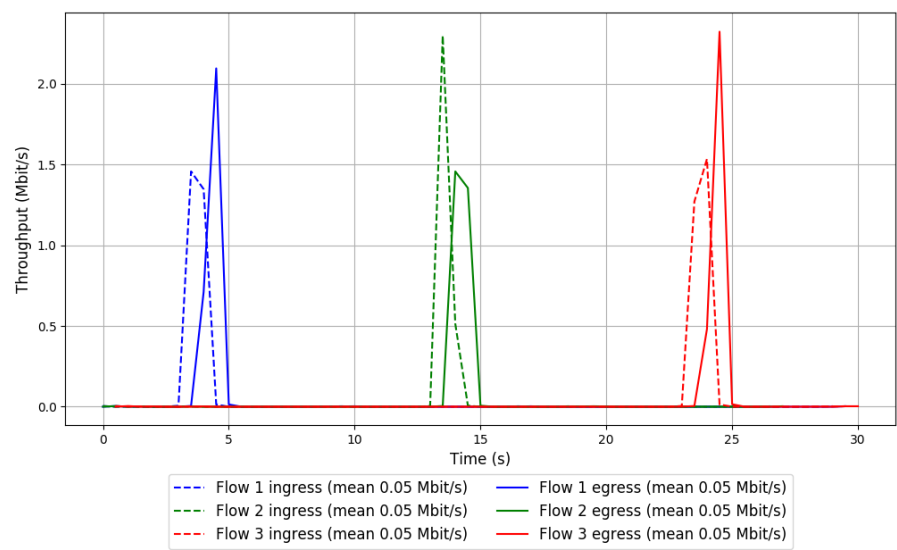


Run 2: Statistics of WebRTC media

Start at: 2019-07-18 22:00:25
End at: 2019-07-18 22:00:55
Local clock offset: -0.091 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2019-07-19 03:33:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 47.399 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.411 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.374 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.374 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

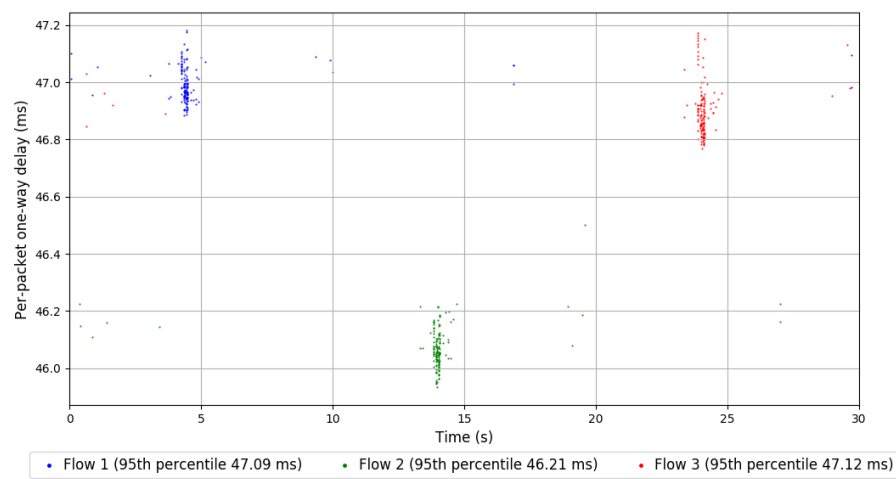
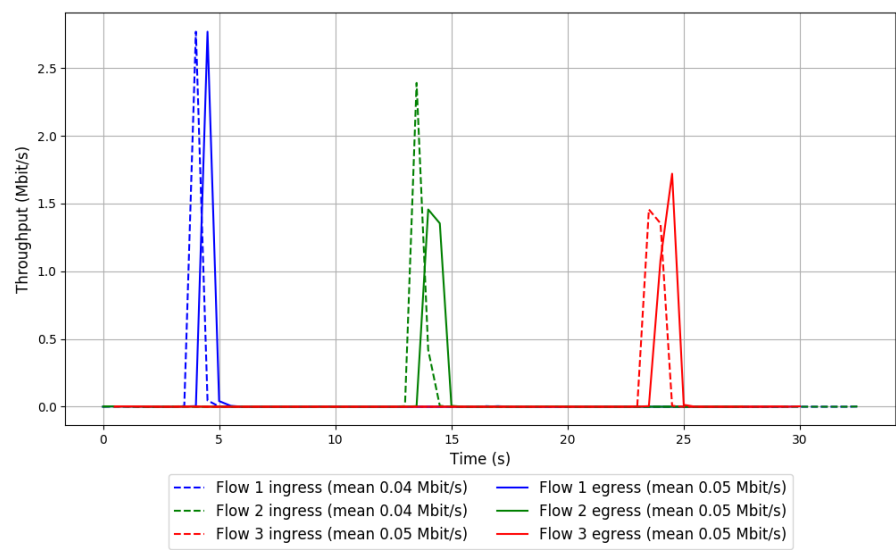


Run 3: Statistics of WebRTC media

Start at: 2019-07-18 22:41:04
End at: 2019-07-18 22:41:34
Local clock offset: -0.365 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-07-19 03:33:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 47.087 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.095 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 46.212 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.124 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-07-18 23:21:41

End at: 2019-07-18 23:22:11

Local clock offset: -0.01 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2019-07-19 03:33:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 47.401 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 46.527 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 47.387 ms

Loss rate: 0.00%

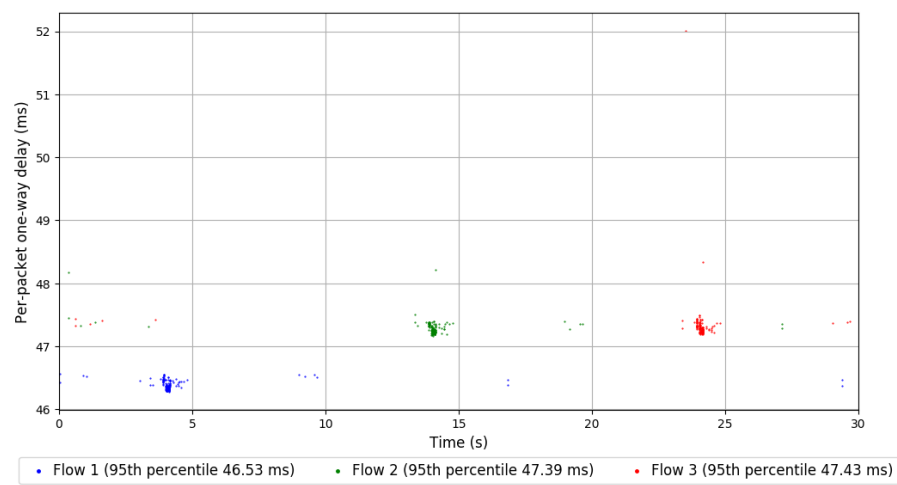
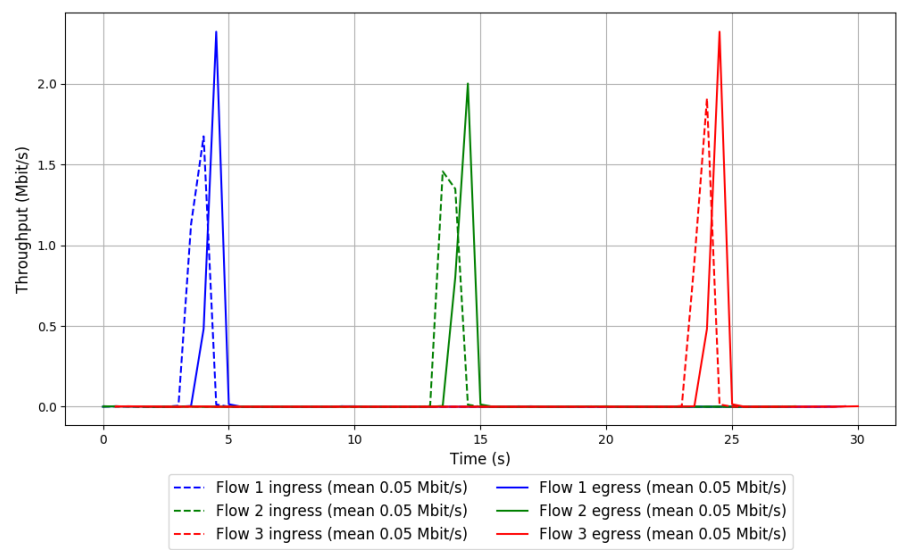
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 47.434 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-07-19 00:02:40
End at: 2019-07-19 00:03:10
Local clock offset: -0.062 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2019-07-19 03:33:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 47.567 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 48.795 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.794 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 46.679 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

