

Pantheon Report

Generated at 2019-07-18 03:44:16 (UTC).

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

Repeated the test of 24 congestion control schemes 5 times.

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

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

System info:

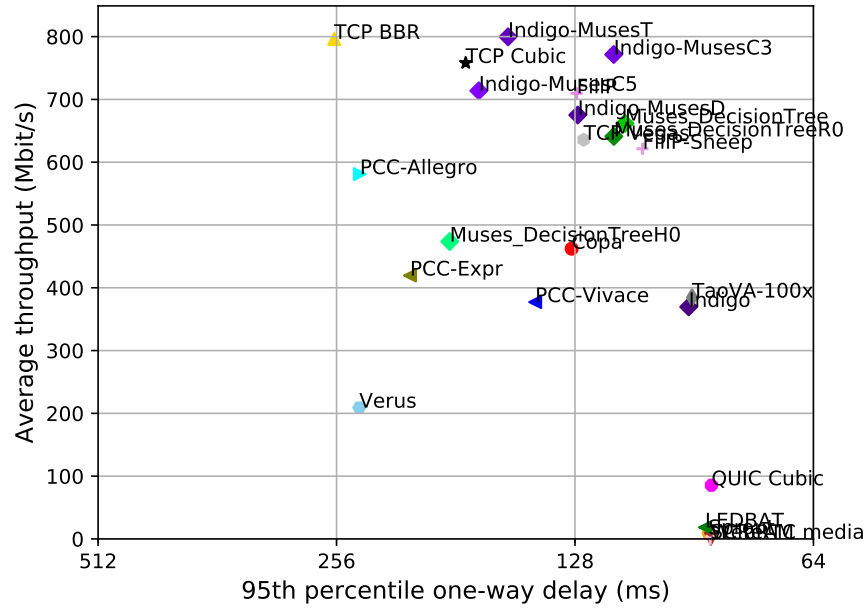
```
Linux 4.15.0-1036-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

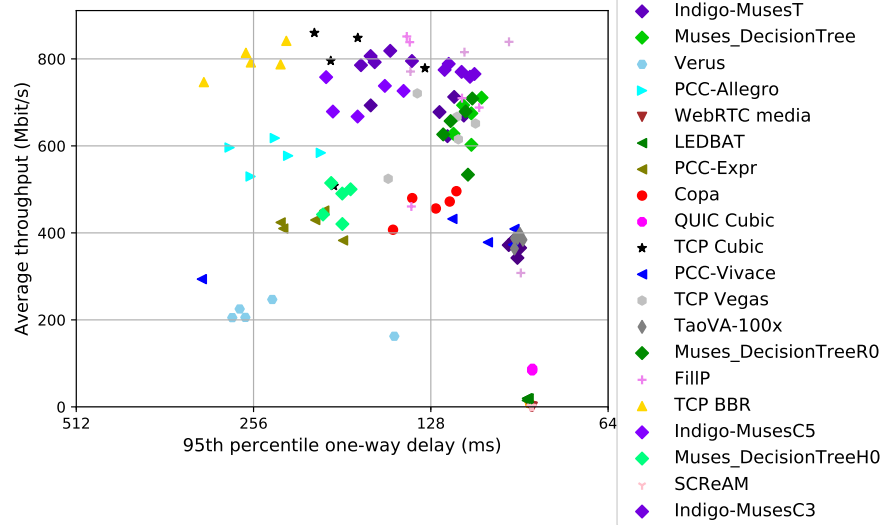
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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 Sydney, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE Iowa to GCE Sydney, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows



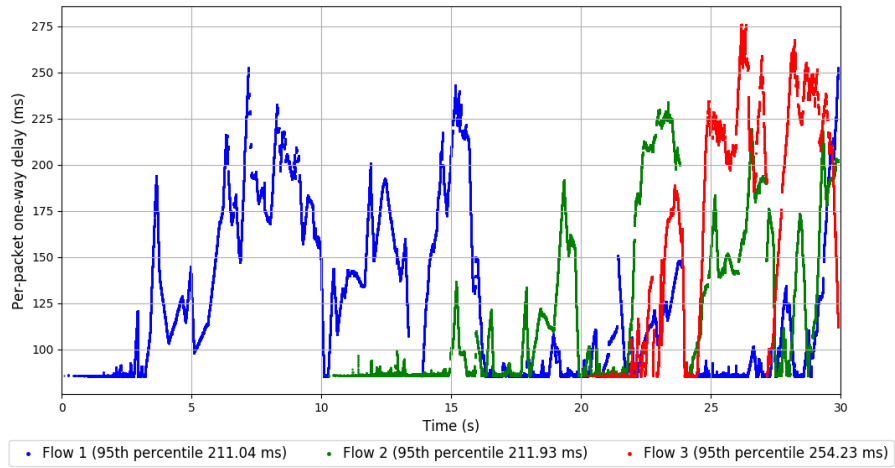
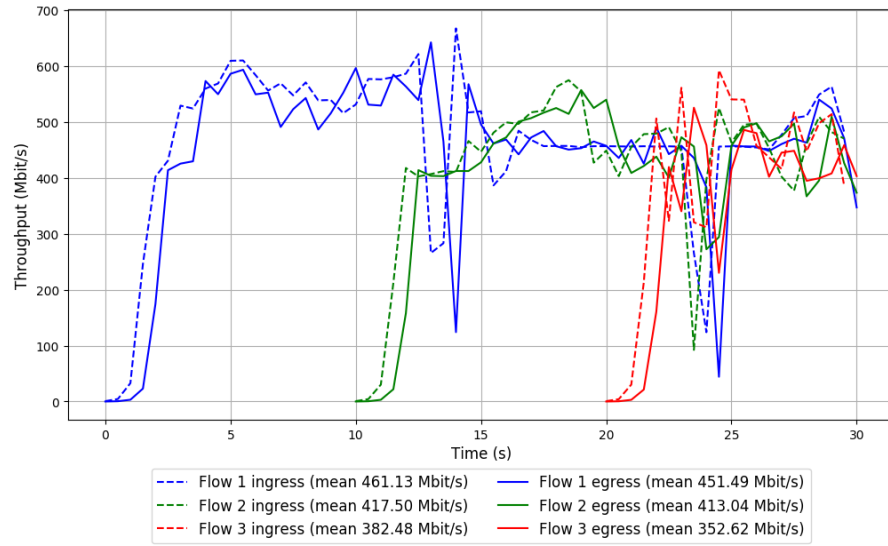
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	428.51	384.88	341.55	248.77	264.34	222.76	4.37	5.20	5.07
Copa	5	242.37	232.03	200.35	126.94	120.21	161.07	0.82	1.02	2.49
TCP Cubic	5	410.16	351.37	348.70	164.36	158.77	175.43	0.94	1.74	2.84
FillP	5	403.00	338.13	251.43	137.31	93.60	92.54	1.74	0.75	2.35
FillP-Sheep	5	328.84	319.64	246.00	115.12	90.64	90.52	0.69	1.17	2.22
Indigo	5	203.84	170.81	161.04	92.36	91.86	90.37	0.87	1.30	2.03
Indigo-MusesC3	5	461.56	380.68	264.03	117.79	106.02	98.36	0.69	0.86	3.55
Indigo-MusesC5	5	437.42	386.31	118.93	173.24	129.48	87.58	0.91	1.36	4.85
Indigo-MusesD	5	404.09	354.40	180.69	123.91	128.89	93.37	0.72	1.34	3.49
Indigo-MusesT	5	478.75	400.93	257.32	162.25	120.25	111.28	0.74	1.06	3.76
LEDBAT	5	11.62	8.25	4.03	87.90	87.46	87.20	0.96	1.75	3.52
Muses_DecisionTree	5	386.58	324.90	195.18	114.23	104.46	95.62	0.85	0.95	2.87
Muses_DecisionTreeH0	5	243.13	260.67	187.42	190.98	170.27	112.78	4.99	1.87	4.18
Muses_DecisionTreeR0	5	417.14	245.48	198.49	119.36	93.41	103.43	0.59	1.59	2.67
PCC-Allegro	5	327.06	277.52	215.58	249.37	214.68	191.53	4.28	2.69	3.40
PCC-Expr	5	244.27	185.30	160.64	218.20	147.05	157.03	6.45	1.94	2.70
QUIC Cubic	5	49.95	40.29	25.80	86.03	86.07	85.88	1.01	1.59	4.04
SCReAM	5	0.22	0.22	0.22	86.19	86.38	86.29	0.54	0.82	1.77
Sprout	5	4.16	3.73	3.24	86.85	86.88	86.94	0.62	1.29	2.26
TaoVA-100x	5	201.00	191.35	171.92	90.24	90.37	94.68	0.67	1.32	2.22
TCP Vegas	5	298.16	351.49	318.04	99.16	124.47	152.71	0.50	0.83	1.83
Verus	5	121.80	102.13	60.34	209.54	204.34	187.93	3.34	3.63	4.97
PCC-Vivace	5	224.98	172.09	116.85	156.19	101.39	95.99	1.76	1.17	2.59
WebRTC media	5	0.05	0.05	0.05	86.01	86.22	86.10	0.02	0.00	0.01

Run 1: Statistics of TCP BBR

Start at: 2019-07-17 21:37:28
End at: 2019-07-17 21:37:58
Local clock offset: -0.454 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-07-18 01:08:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 841.54 Mbit/s
95th percentile per-packet one-way delay: 225.189 ms
Loss rate: 3.41%
-- Flow 1:
Average throughput: 451.49 Mbit/s
95th percentile per-packet one-way delay: 211.036 ms
Loss rate: 2.65%
-- Flow 2:
Average throughput: 413.04 Mbit/s
95th percentile per-packet one-way delay: 211.926 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 352.62 Mbit/s
95th percentile per-packet one-way delay: 254.230 ms
Loss rate: 9.41%

Run 1: Report of TCP BBR — Data Link

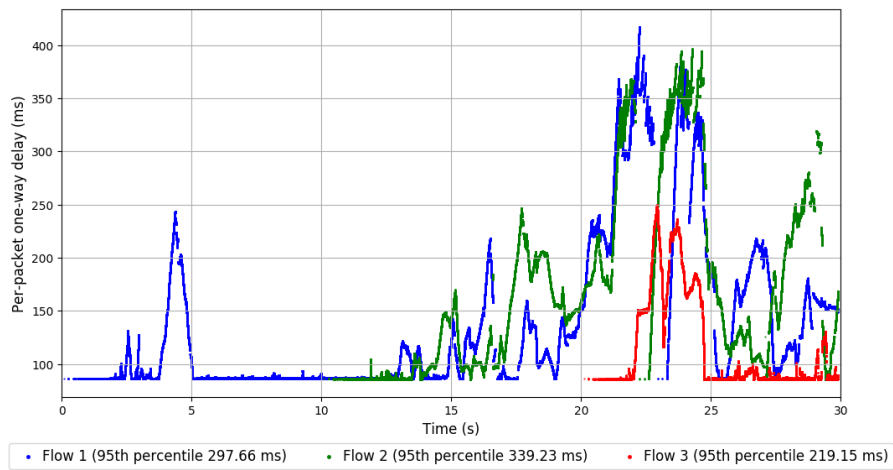
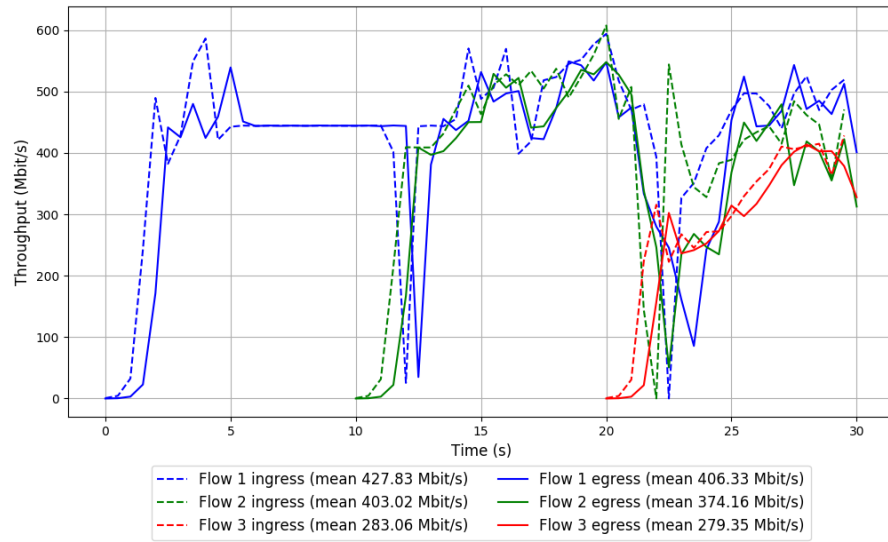


Run 2: Statistics of TCP BBR

Start at: 2019-07-17 22:19:11
End at: 2019-07-17 22:19:41
Local clock offset: -0.092 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2019-07-18 01:08:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 746.65 Mbit/s
95th percentile per-packet one-way delay: 310.872 ms
Loss rate: 6.09%
-- Flow 1:
Average throughput: 406.33 Mbit/s
95th percentile per-packet one-way delay: 297.664 ms
Loss rate: 5.58%
-- Flow 2:
Average throughput: 374.16 Mbit/s
95th percentile per-packet one-way delay: 339.227 ms
Loss rate: 7.97%
-- Flow 3:
Average throughput: 279.35 Mbit/s
95th percentile per-packet one-way delay: 219.145 ms
Loss rate: 3.04%

Run 2: Report of TCP BBR — Data Link

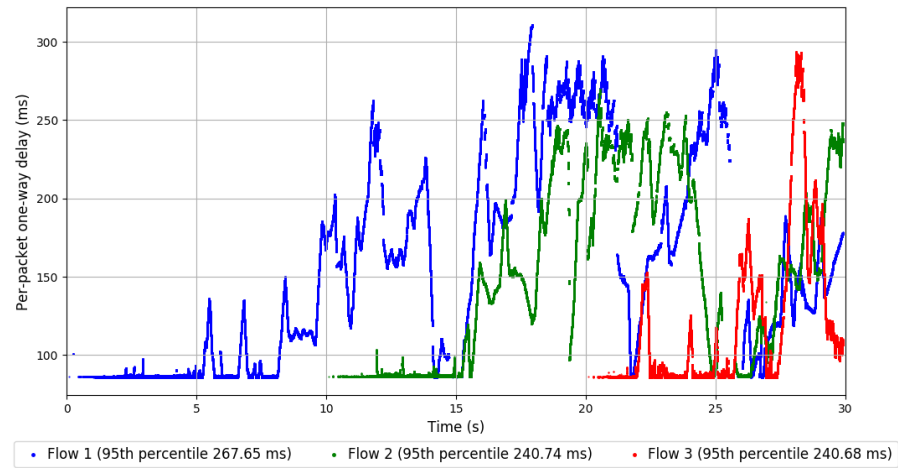
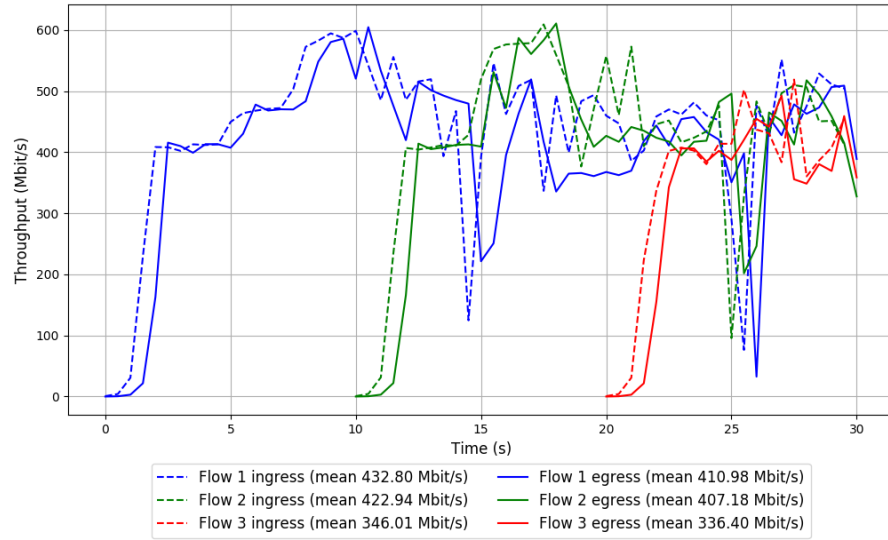


Run 3: Statistics of TCP BBR

Start at: 2019-07-17 23:01:28
End at: 2019-07-17 23:01:58
Local clock offset: -0.284 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-07-18 01:08:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 791.95 Mbit/s
95th percentile per-packet one-way delay: 258.691 ms
Loss rate: 5.08%
-- Flow 1:
Average throughput: 410.98 Mbit/s
95th percentile per-packet one-way delay: 267.646 ms
Loss rate: 5.59%
-- Flow 2:
Average throughput: 407.18 Mbit/s
95th percentile per-packet one-way delay: 240.741 ms
Loss rate: 4.56%
-- Flow 3:
Average throughput: 336.40 Mbit/s
95th percentile per-packet one-way delay: 240.681 ms
Loss rate: 4.46%

Run 3: Report of TCP BBR — Data Link

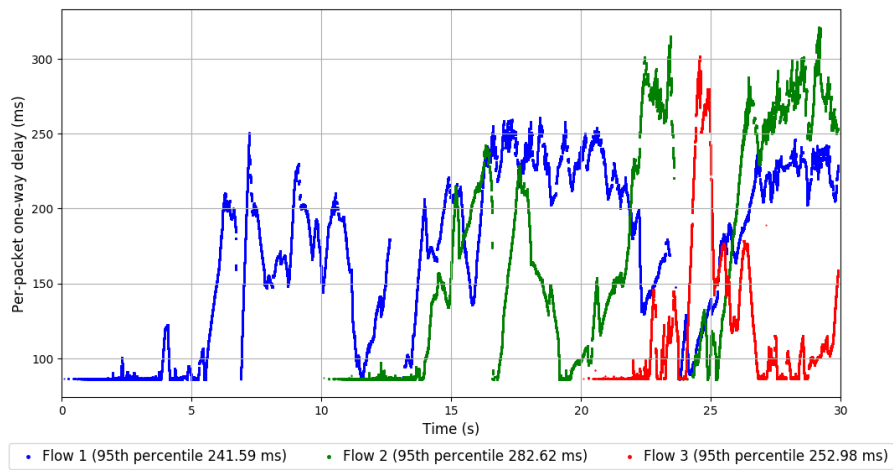
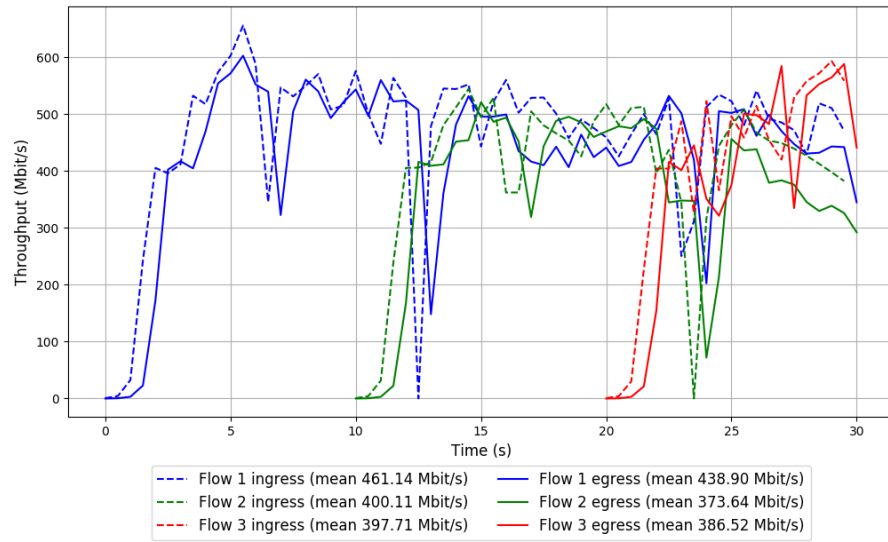


Run 4: Statistics of TCP BBR

Start at: 2019-07-17 23:43:34
End at: 2019-07-17 23:44:04
Local clock offset: 0.129 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2019-07-18 01:08:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 814.06 Mbit/s
95th percentile per-packet one-way delay: 263.776 ms
Loss rate: 5.88%
-- Flow 1:
Average throughput: 438.90 Mbit/s
95th percentile per-packet one-way delay: 241.595 ms
Loss rate: 5.37%
-- Flow 2:
Average throughput: 373.64 Mbit/s
95th percentile per-packet one-way delay: 282.616 ms
Loss rate: 7.43%
-- Flow 3:
Average throughput: 386.52 Mbit/s
95th percentile per-packet one-way delay: 252.977 ms
Loss rate: 4.51%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-07-18 00:25:30

End at: 2019-07-18 00:26:00

Local clock offset: -0.385 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-07-18 01:08:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 787.52 Mbit/s

95th percentile per-packet one-way delay: 230.330 ms

Loss rate: 3.28%

-- Flow 1:

Average throughput: 434.83 Mbit/s

95th percentile per-packet one-way delay: 225.908 ms

Loss rate: 2.65%

-- Flow 2:

Average throughput: 356.40 Mbit/s

95th percentile per-packet one-way delay: 247.182 ms

Loss rate: 4.09%

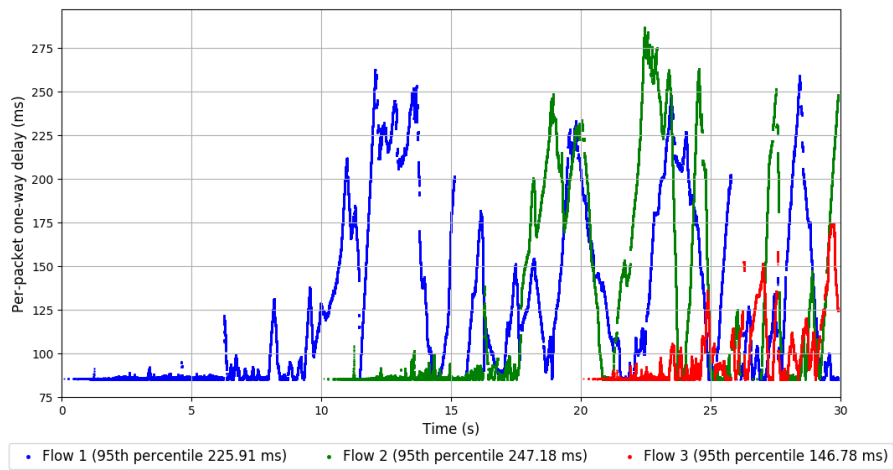
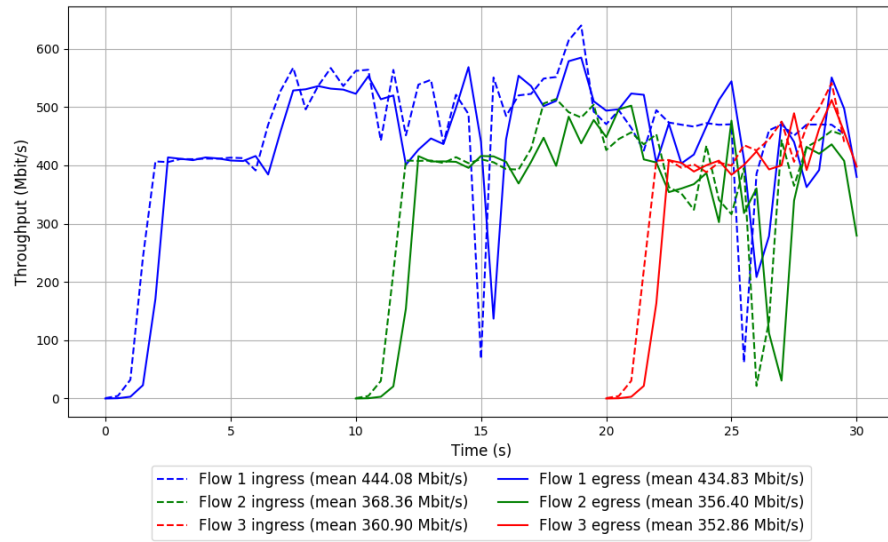
-- Flow 3:

Average throughput: 352.86 Mbit/s

95th percentile per-packet one-way delay: 146.781 ms

Loss rate: 3.93%

Run 5: Report of TCP BBR — Data Link

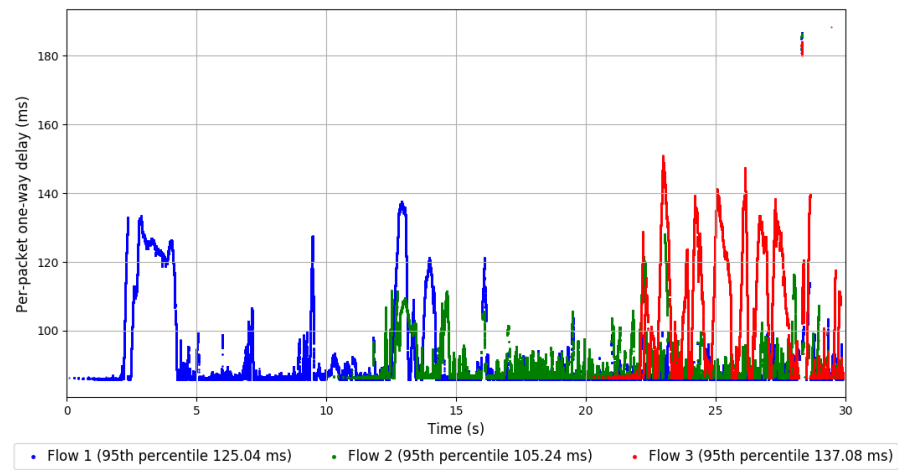
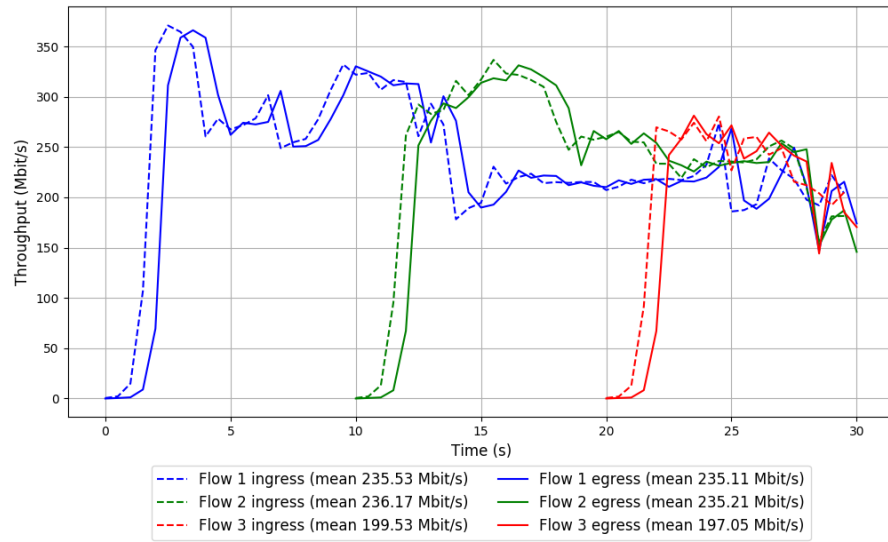


Run 1: Statistics of Copa

Start at: 2019-07-17 21:41:29
End at: 2019-07-17 21:42:00
Local clock offset: -0.019 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-07-18 01:08:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 456.07 Mbit/s
95th percentile per-packet one-way delay: 125.510 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 235.11 Mbit/s
95th percentile per-packet one-way delay: 125.042 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 235.21 Mbit/s
95th percentile per-packet one-way delay: 105.241 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 197.05 Mbit/s
95th percentile per-packet one-way delay: 137.080 ms
Loss rate: 2.95%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-07-17 22:23:09

End at: 2019-07-17 22:23:39

Local clock offset: -0.101 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2019-07-18 01:08:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 407.23 Mbit/s

95th percentile per-packet one-way delay: 148.390 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 189.89 Mbit/s

95th percentile per-packet one-way delay: 164.029 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 243.15 Mbit/s

95th percentile per-packet one-way delay: 132.414 ms

Loss rate: 0.80%

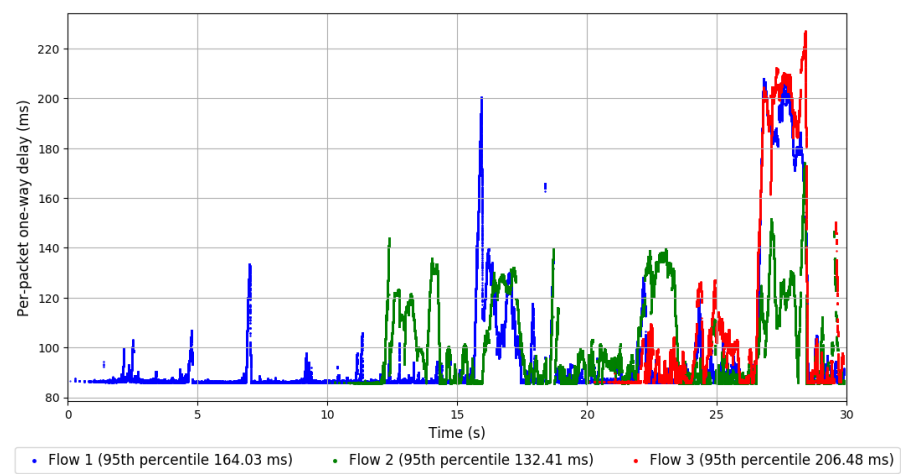
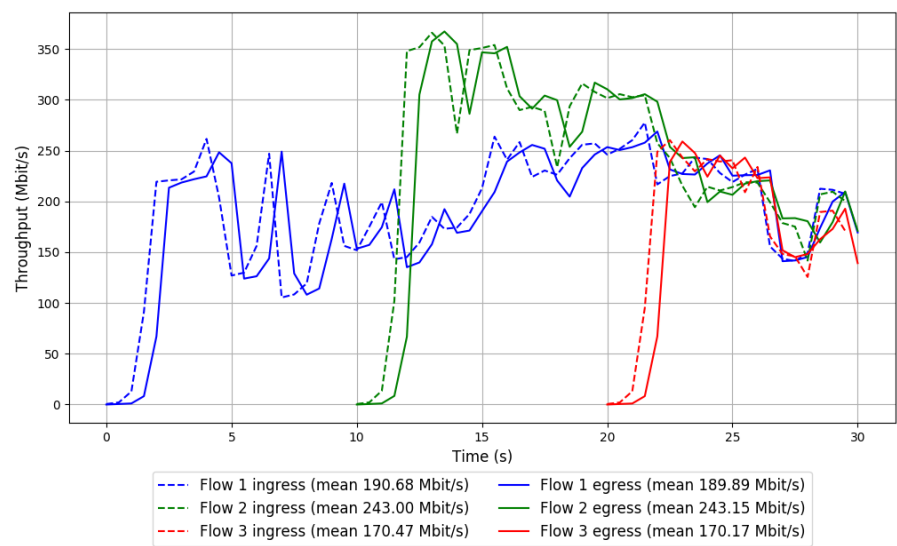
-- Flow 3:

Average throughput: 170.17 Mbit/s

95th percentile per-packet one-way delay: 206.480 ms

Loss rate: 1.97%

Run 2: Report of Copa — Data Link

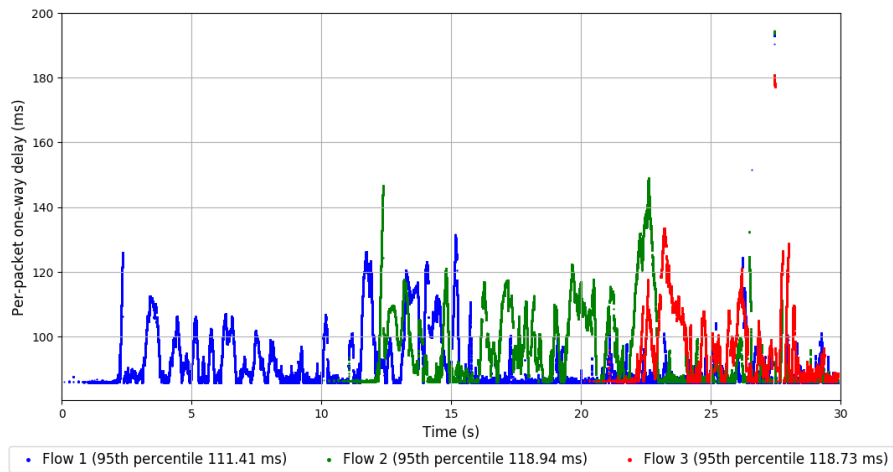
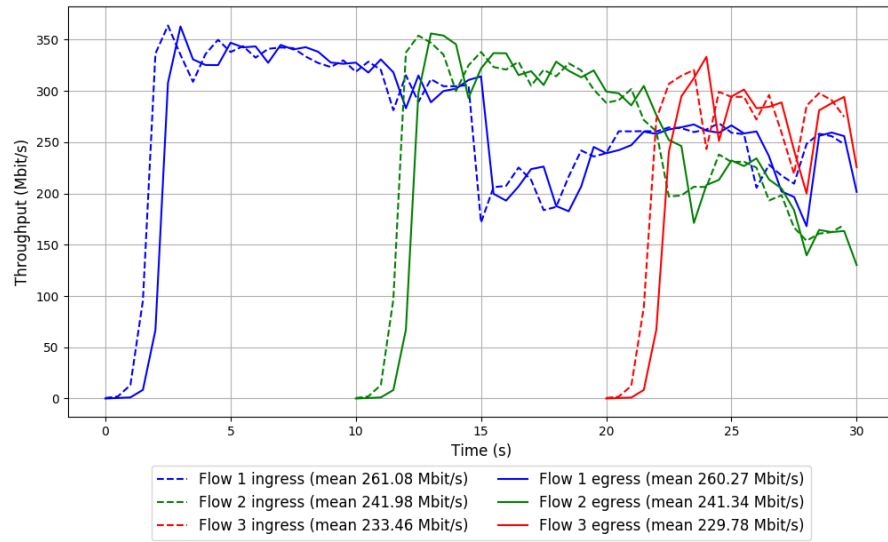


Run 3: Statistics of Copa

Start at: 2019-07-17 23:05:30
End at: 2019-07-17 23:06:00
Local clock offset: -0.081 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2019-07-18 01:09:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 495.89 Mbit/s
95th percentile per-packet one-way delay: 115.820 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 260.27 Mbit/s
95th percentile per-packet one-way delay: 111.412 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 241.34 Mbit/s
95th percentile per-packet one-way delay: 118.938 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 229.78 Mbit/s
95th percentile per-packet one-way delay: 118.726 ms
Loss rate: 3.28%

Run 3: Report of Copa — Data Link

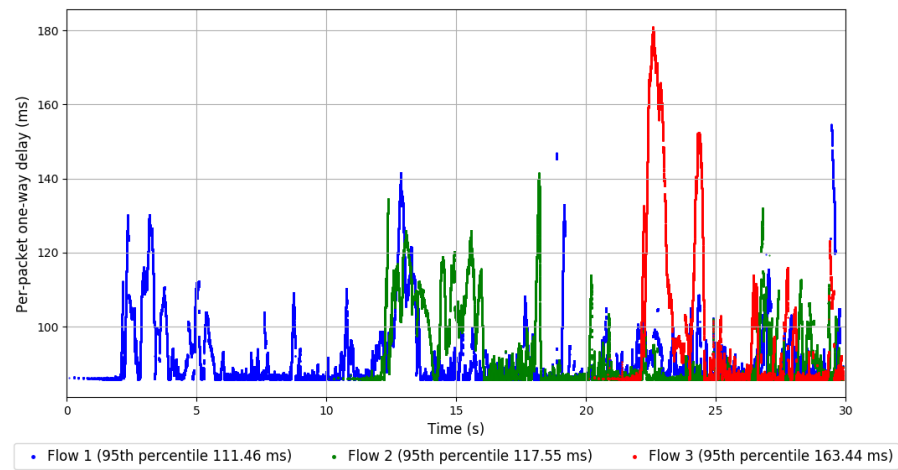
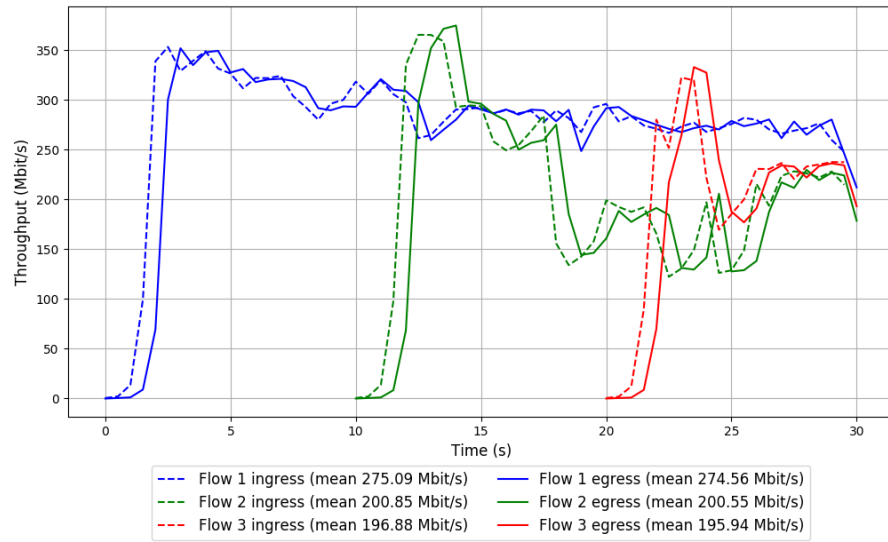


Run 4: Statistics of Copa

Start at: 2019-07-17 23:47:39
End at: 2019-07-17 23:48:09
Local clock offset: 0.002 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2019-07-18 01:23:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 472.04 Mbit/s
95th percentile per-packet one-way delay: 118.876 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 274.56 Mbit/s
95th percentile per-packet one-way delay: 111.456 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 200.55 Mbit/s
95th percentile per-packet one-way delay: 117.548 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 195.94 Mbit/s
95th percentile per-packet one-way delay: 163.437 ms
Loss rate: 2.20%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-07-18 00:29:31

End at: 2019-07-18 00:30:01

Local clock offset: 0.449 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2019-07-18 01:23:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 479.90 Mbit/s

95th percentile per-packet one-way delay: 137.651 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 252.00 Mbit/s

95th percentile per-packet one-way delay: 122.742 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 239.89 Mbit/s

95th percentile per-packet one-way delay: 126.909 ms

Loss rate: 0.90%

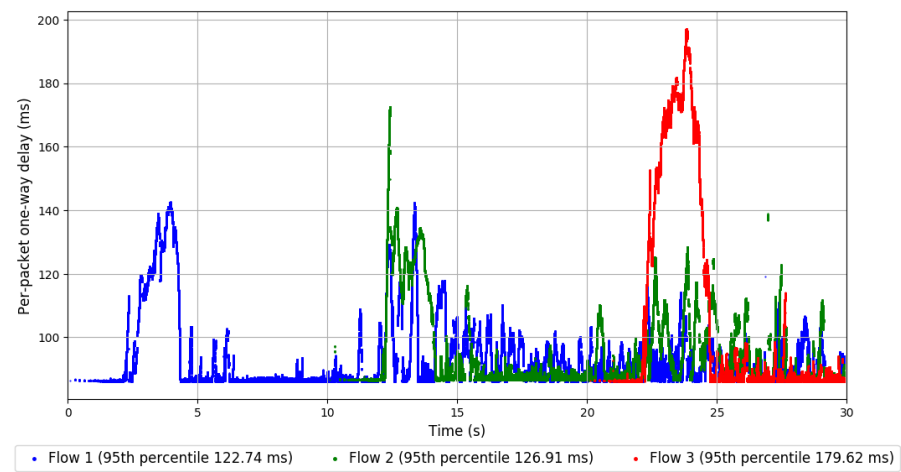
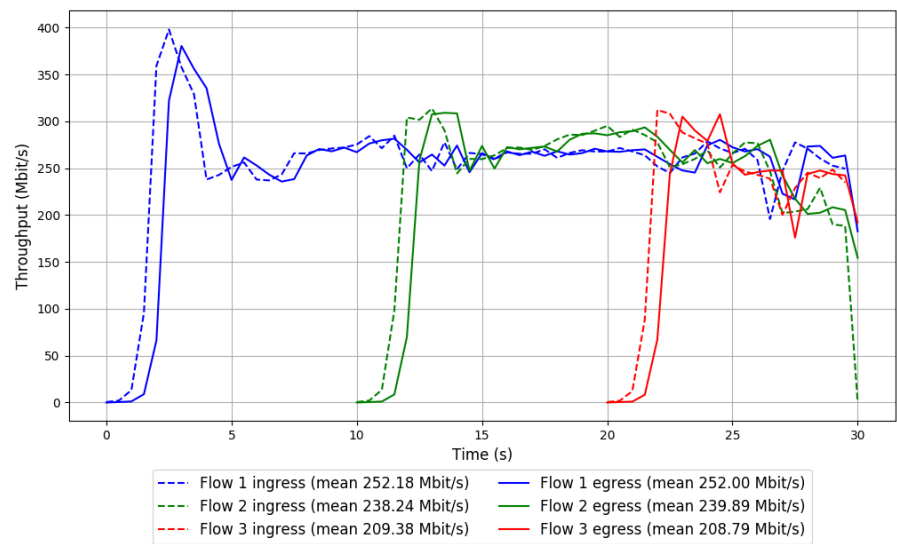
-- Flow 3:

Average throughput: 208.79 Mbit/s

95th percentile per-packet one-way delay: 179.616 ms

Loss rate: 2.06%

Run 5: Report of Copa — Data Link

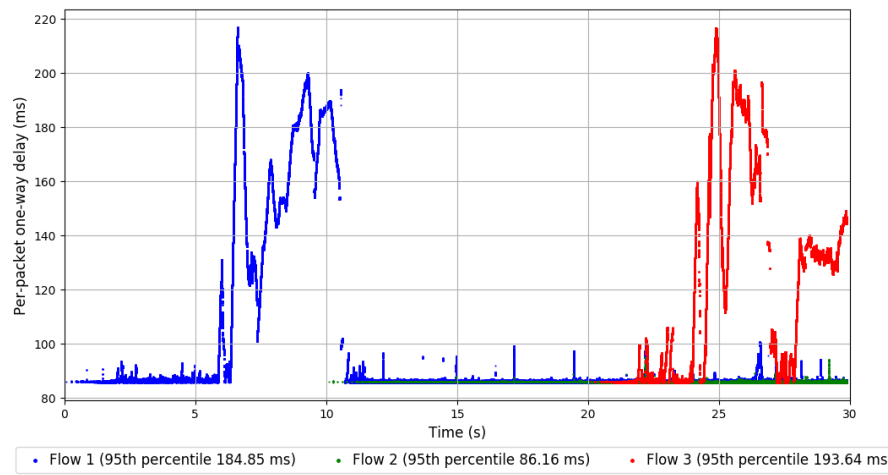
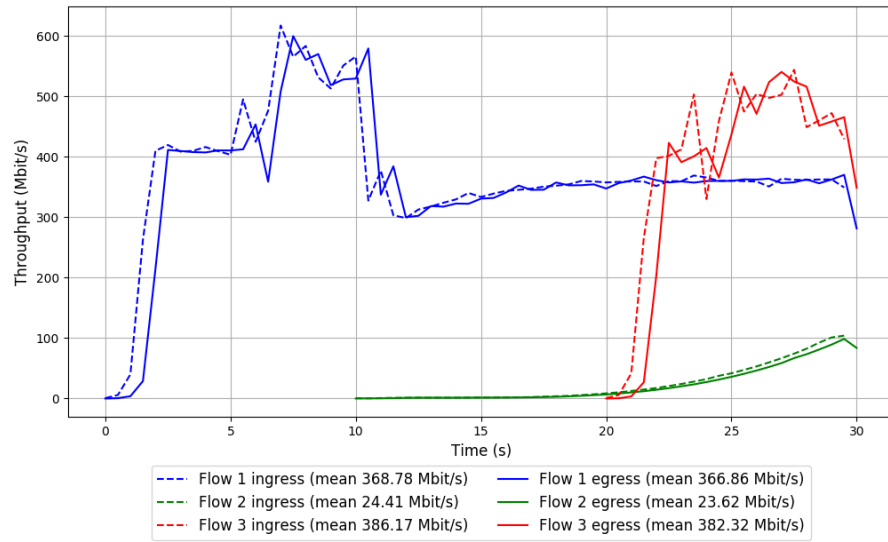


Run 1: Statistics of TCP Cubic

Start at: 2019-07-17 21:10:17
End at: 2019-07-17 21:10:47
Local clock offset: -0.324 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-07-18 01:23:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 508.03 Mbit/s
95th percentile per-packet one-way delay: 186.957 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 366.86 Mbit/s
95th percentile per-packet one-way delay: 184.854 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 23.62 Mbit/s
95th percentile per-packet one-way delay: 86.155 ms
Loss rate: 4.08%
-- Flow 3:
Average throughput: 382.32 Mbit/s
95th percentile per-packet one-way delay: 193.642 ms
Loss rate: 2.71%

Run 1: Report of TCP Cubic — Data Link

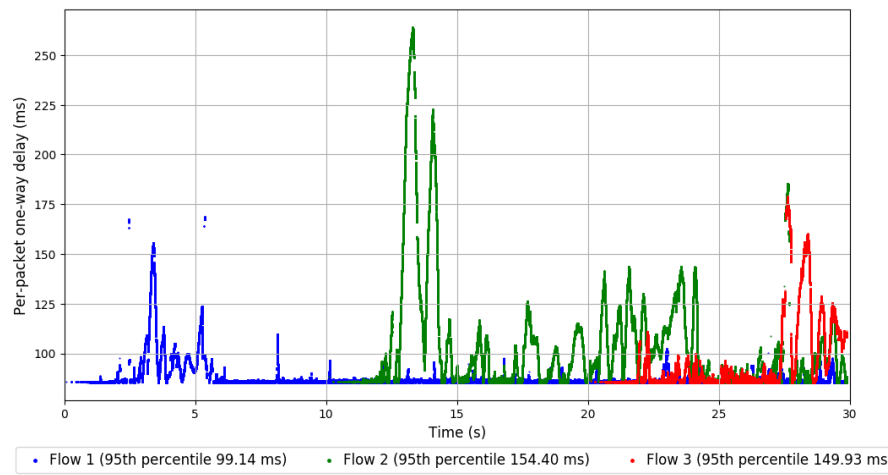
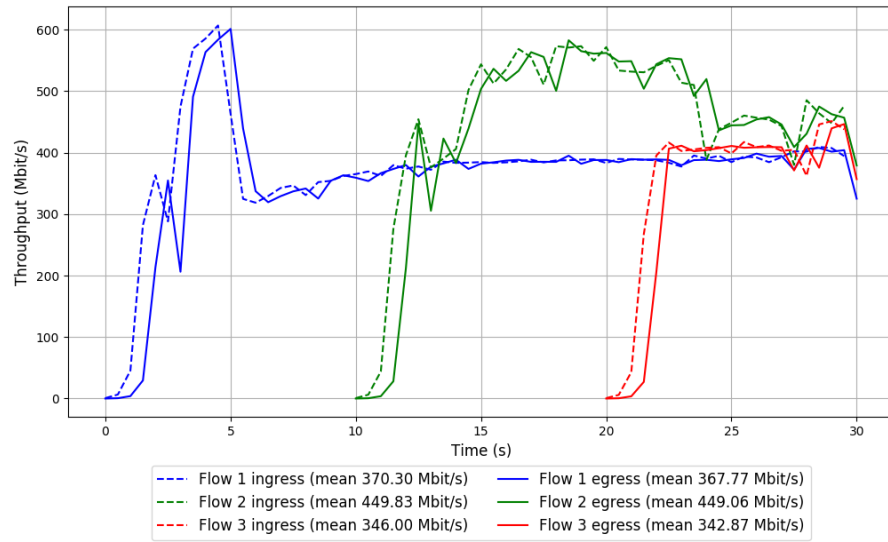


Run 2: Statistics of TCP Cubic

Start at: 2019-07-17 21:51:55
End at: 2019-07-17 21:52:25
Local clock offset: -0.342 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-07-18 01:23:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 778.63 Mbit/s
95th percentile per-packet one-way delay: 130.976 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 367.77 Mbit/s
95th percentile per-packet one-way delay: 99.137 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 449.06 Mbit/s
95th percentile per-packet one-way delay: 154.395 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 342.87 Mbit/s
95th percentile per-packet one-way delay: 149.926 ms
Loss rate: 2.62%

Run 2: Report of TCP Cubic — Data Link

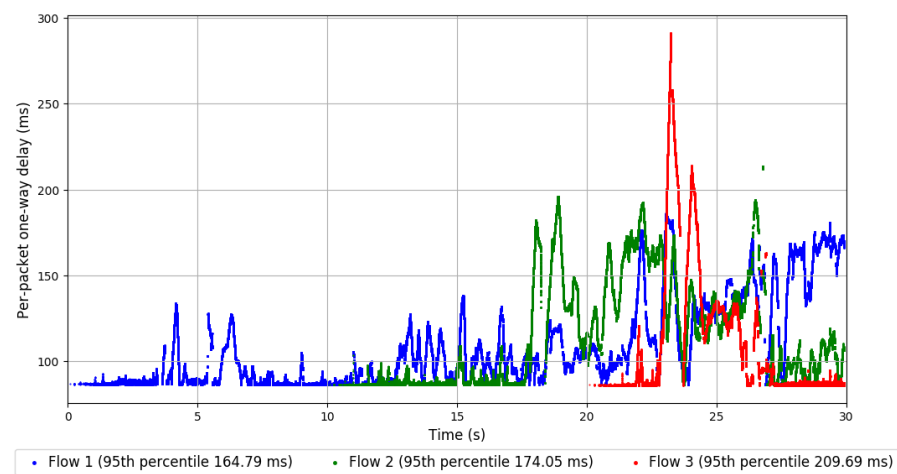
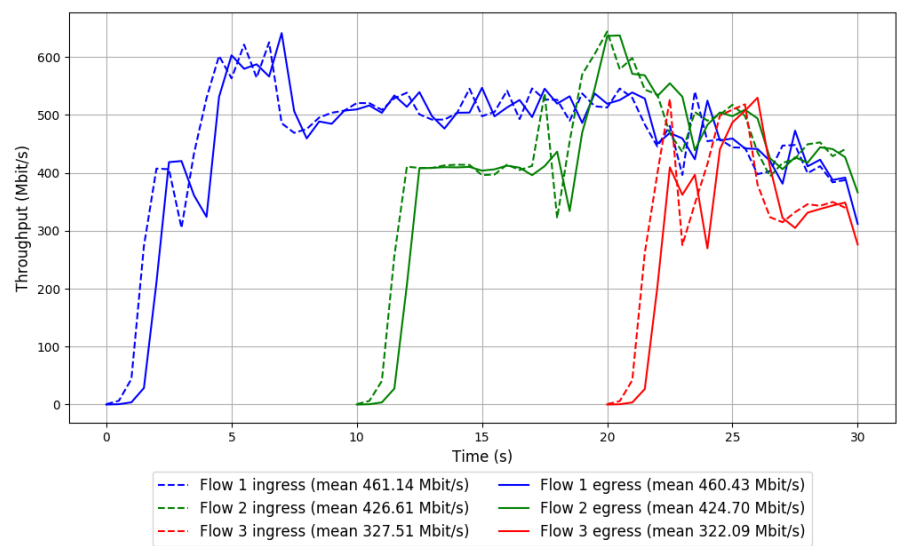


Run 3: Statistics of TCP Cubic

Start at: 2019-07-17 22:33:31
End at: 2019-07-17 22:34:01
Local clock offset: 0.202 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2019-07-18 01:24:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 848.31 Mbit/s
95th percentile per-packet one-way delay: 170.312 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 460.43 Mbit/s
95th percentile per-packet one-way delay: 164.790 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 424.70 Mbit/s
95th percentile per-packet one-way delay: 174.050 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 322.09 Mbit/s
95th percentile per-packet one-way delay: 209.687 ms
Loss rate: 3.35%

Run 3: Report of TCP Cubic — Data Link

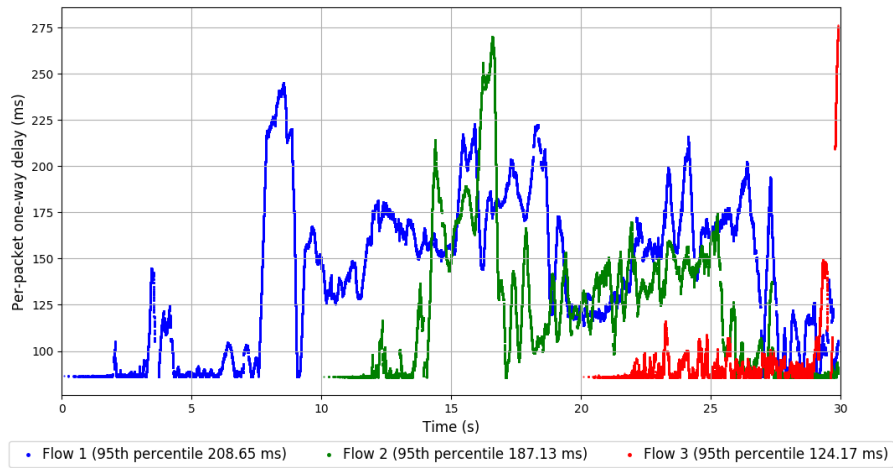
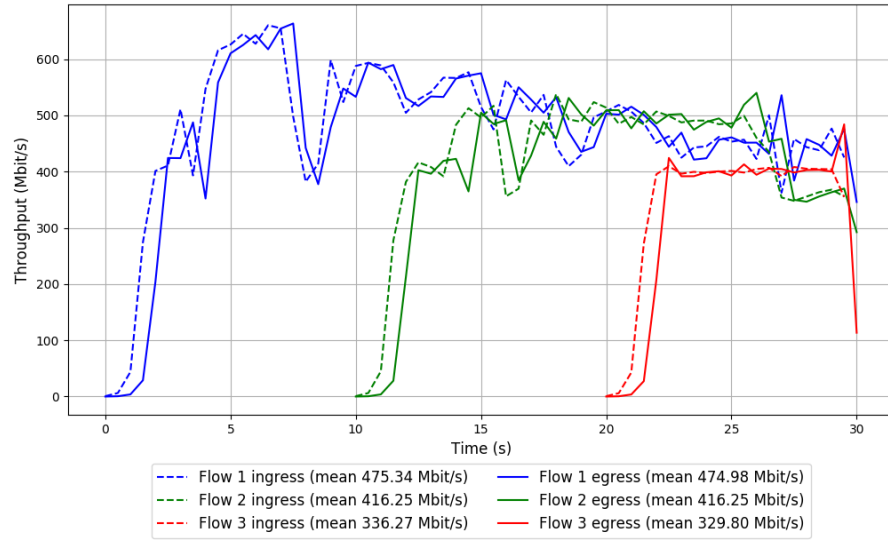


Run 4: Statistics of TCP Cubic

Start at: 2019-07-17 23:15:57
End at: 2019-07-17 23:16:28
Local clock offset: -0.015 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2019-07-18 01:24:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 859.80 Mbit/s
95th percentile per-packet one-way delay: 201.782 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 474.98 Mbit/s
95th percentile per-packet one-way delay: 208.648 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 416.25 Mbit/s
95th percentile per-packet one-way delay: 187.128 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 329.80 Mbit/s
95th percentile per-packet one-way delay: 124.166 ms
Loss rate: 3.60%

Run 4: Report of TCP Cubic — Data Link

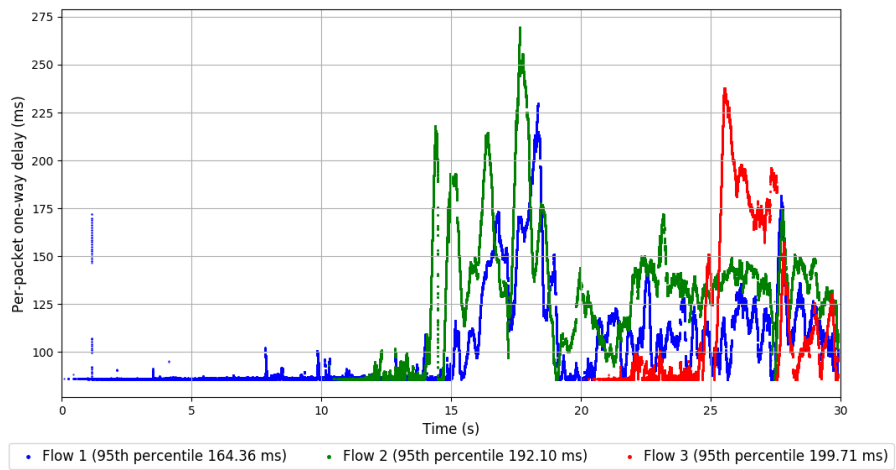
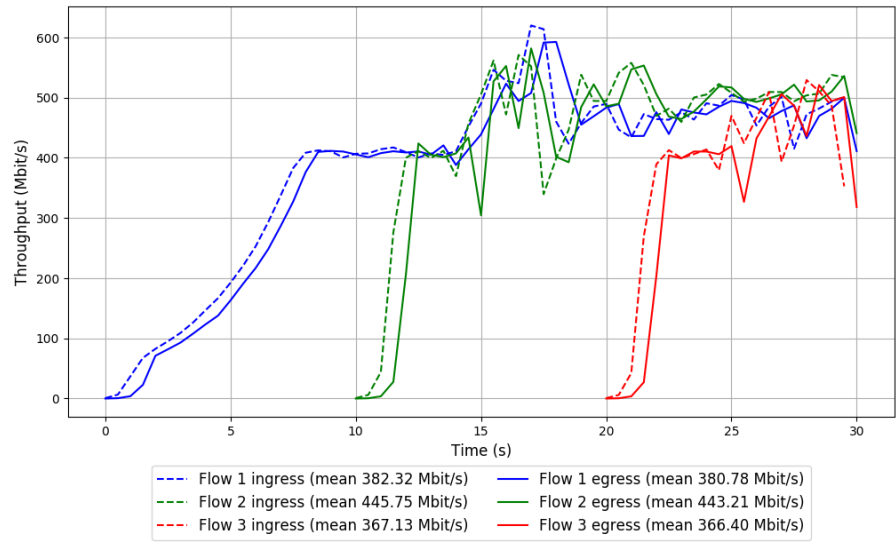


Run 5: Statistics of TCP Cubic

Start at: 2019-07-17 23:57:57
End at: 2019-07-17 23:58:27
Local clock offset: -0.059 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-07-18 01:24:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 795.56 Mbit/s
95th percentile per-packet one-way delay: 189.316 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 380.78 Mbit/s
95th percentile per-packet one-way delay: 164.358 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 443.21 Mbit/s
95th percentile per-packet one-way delay: 192.098 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 366.40 Mbit/s
95th percentile per-packet one-way delay: 199.709 ms
Loss rate: 1.93%

Run 5: Report of TCP Cubic — Data Link

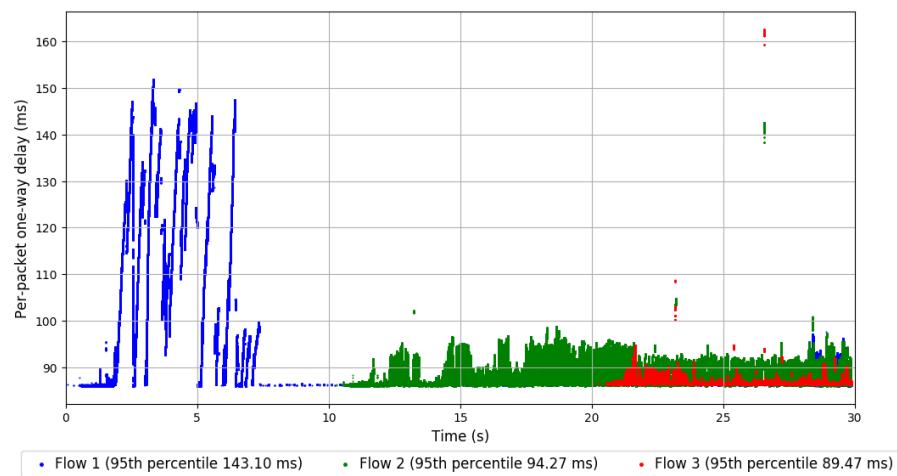
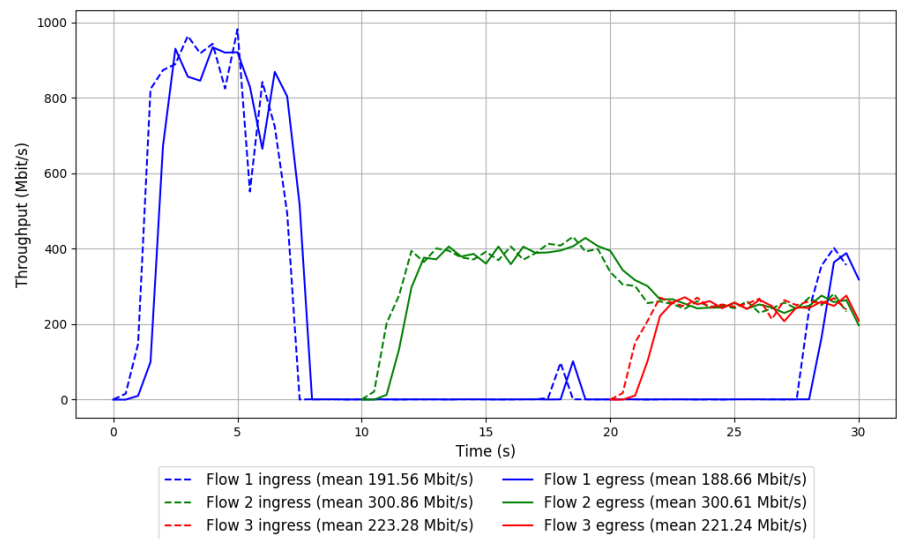


Run 1: Statistics of FillP

Start at: 2019-07-17 21:12:01
End at: 2019-07-17 21:12:31
Local clock offset: 0.208 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2019-07-18 01:24:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 460.70 Mbit/s
95th percentile per-packet one-way delay: 138.121 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 188.66 Mbit/s
95th percentile per-packet one-way delay: 143.101 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 300.61 Mbit/s
95th percentile per-packet one-way delay: 94.265 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 221.24 Mbit/s
95th percentile per-packet one-way delay: 89.465 ms
Loss rate: 2.65%

Run 1: Report of FillP — Data Link

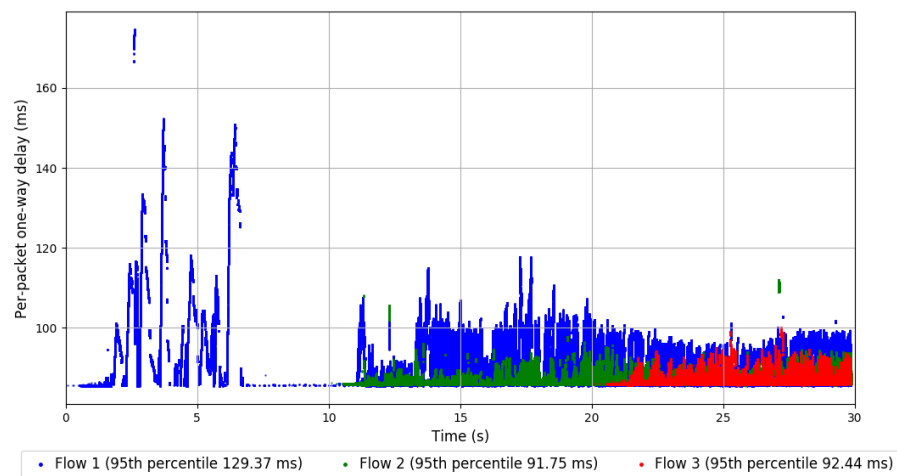
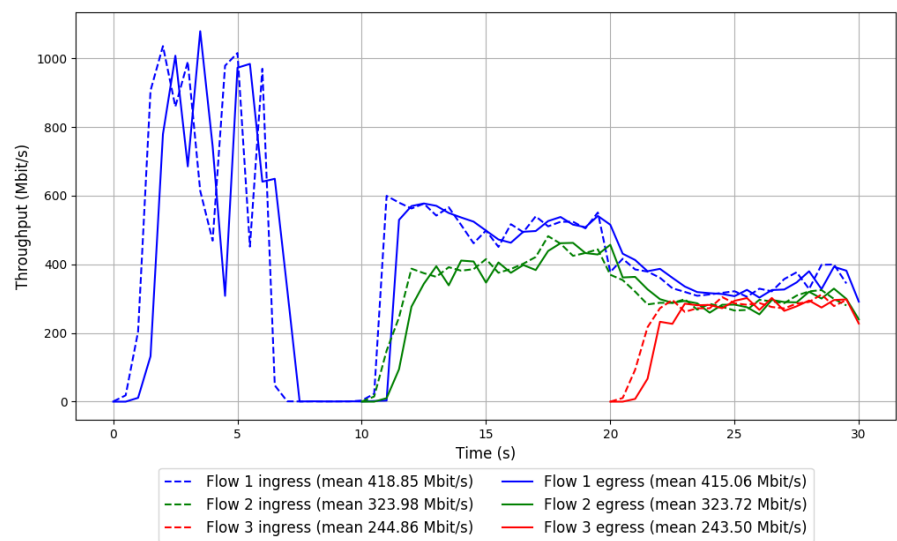


Run 2: Statistics of FillP

Start at: 2019-07-17 21:53:55
End at: 2019-07-17 21:54:25
Local clock offset: -0.421 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2019-07-18 01:32:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 709.72 Mbit/s
95th percentile per-packet one-way delay: 113.305 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 415.06 Mbit/s
95th percentile per-packet one-way delay: 129.373 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 323.72 Mbit/s
95th percentile per-packet one-way delay: 91.747 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 243.50 Mbit/s
95th percentile per-packet one-way delay: 92.440 ms
Loss rate: 2.34%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-07-17 22:35:33

End at: 2019-07-17 22:36:03

Local clock offset: -0.434 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2019-07-18 01:40:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 851.56 Mbit/s

95th percentile per-packet one-way delay: 140.606 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 519.61 Mbit/s

95th percentile per-packet one-way delay: 147.148 ms

Loss rate: 1.38%

-- Flow 2:

Average throughput: 370.55 Mbit/s

95th percentile per-packet one-way delay: 94.953 ms

Loss rate: 0.81%

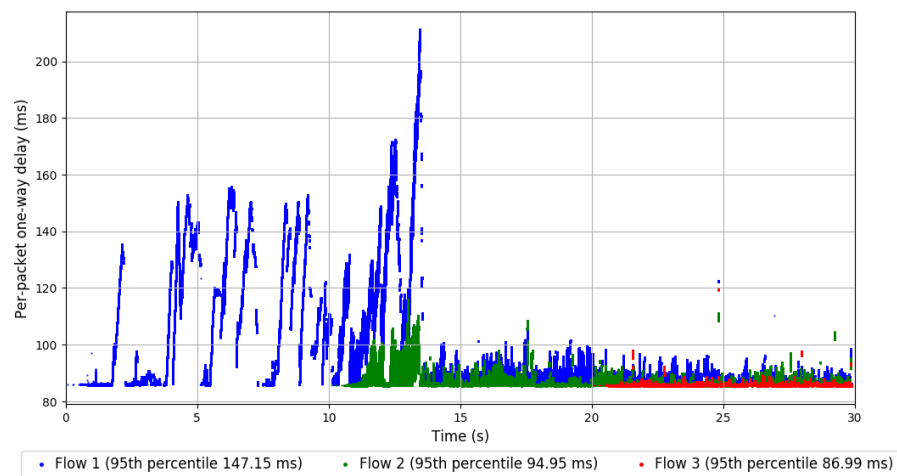
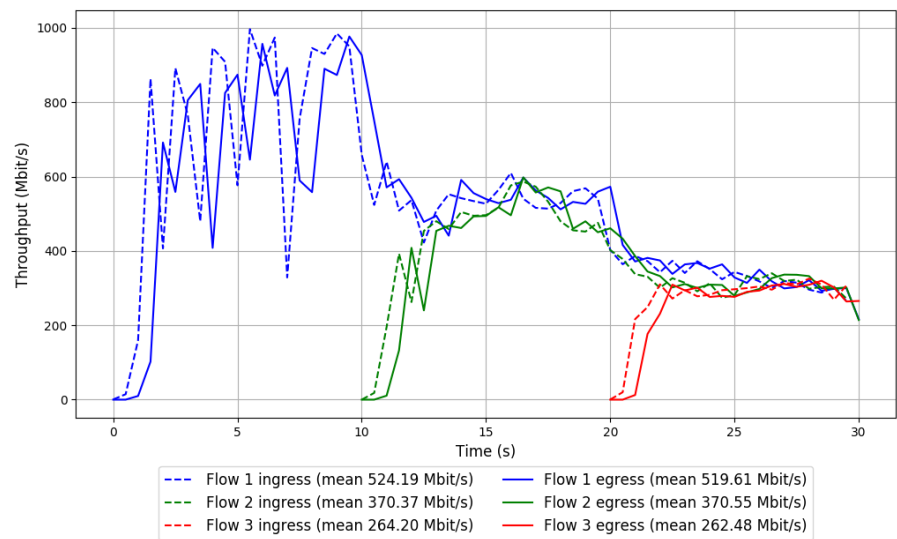
-- Flow 3:

Average throughput: 262.48 Mbit/s

95th percentile per-packet one-way delay: 86.987 ms

Loss rate: 2.42%

Run 3: Report of FillP — Data Link

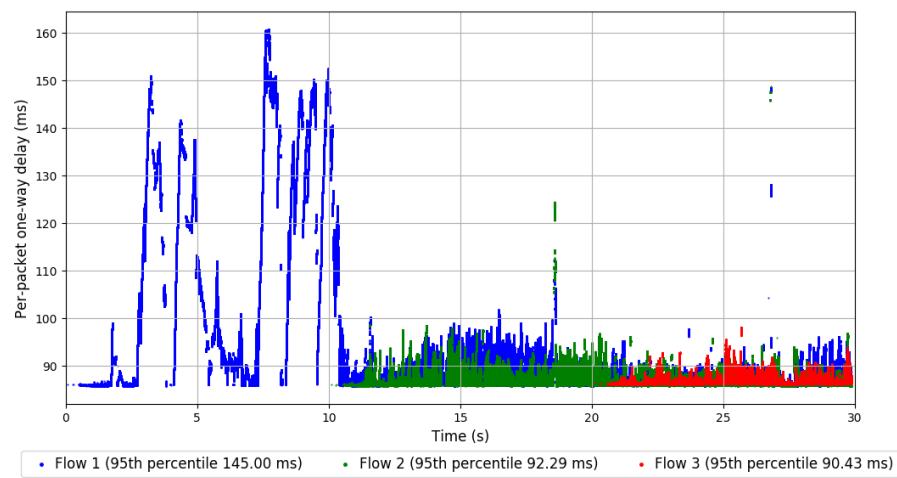
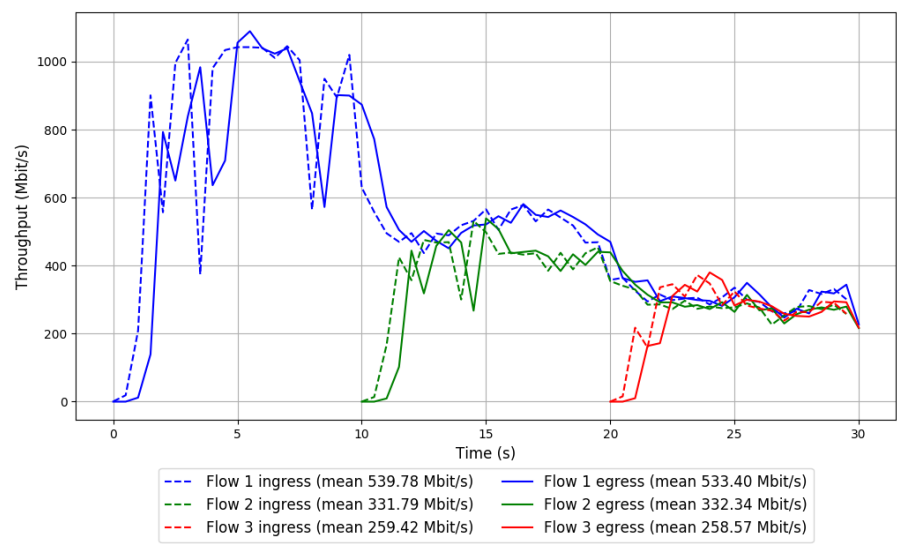


Run 4: Statistics of FillP

Start at: 2019-07-17 23:18:01
End at: 2019-07-17 23:18:31
Local clock offset: -0.049 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2019-07-18 01:41:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 838.51 Mbit/s
95th percentile per-packet one-way delay: 139.000 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 533.40 Mbit/s
95th percentile per-packet one-way delay: 144.997 ms
Loss rate: 1.76%
-- Flow 2:
Average throughput: 332.34 Mbit/s
95th percentile per-packet one-way delay: 92.286 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 258.57 Mbit/s
95th percentile per-packet one-way delay: 90.430 ms
Loss rate: 1.84%

Run 4: Report of FillP — Data Link

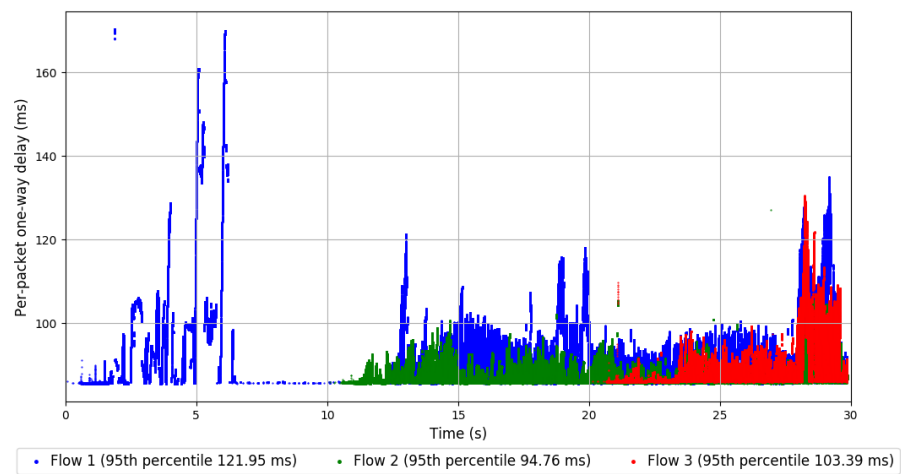
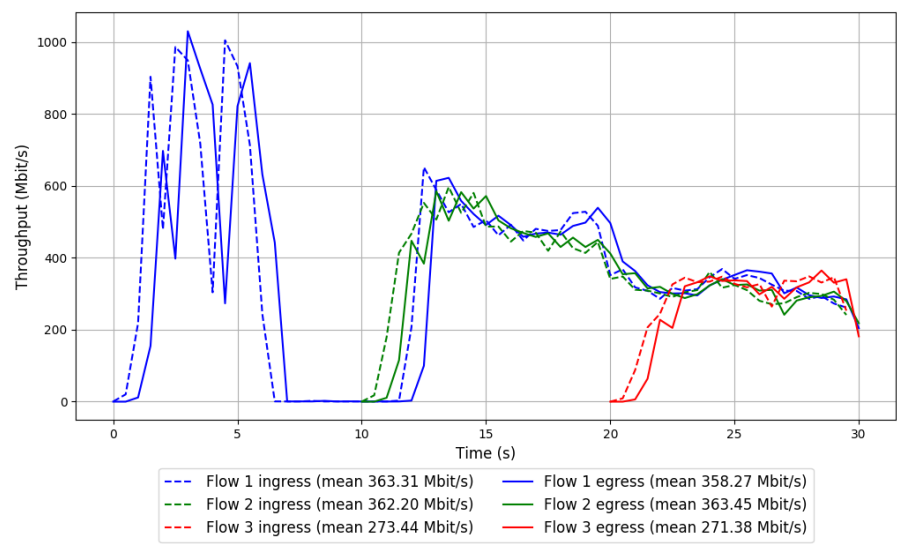


Run 5: Statistics of FillP

Start at: 2019-07-17 23:59:56
End at: 2019-07-18 00:00:26
Local clock offset: -0.245 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2019-07-18 01:41:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 688.13 Mbit/s
95th percentile per-packet one-way delay: 105.952 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 358.27 Mbit/s
95th percentile per-packet one-way delay: 121.948 ms
Loss rate: 1.97%
-- Flow 2:
Average throughput: 363.45 Mbit/s
95th percentile per-packet one-way delay: 94.758 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 271.38 Mbit/s
95th percentile per-packet one-way delay: 103.385 ms
Loss rate: 2.50%

Run 5: Report of FillP — Data Link

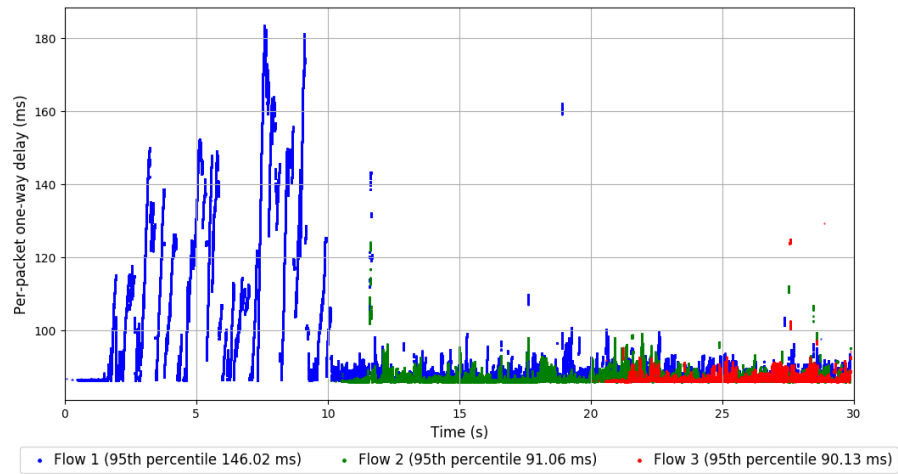
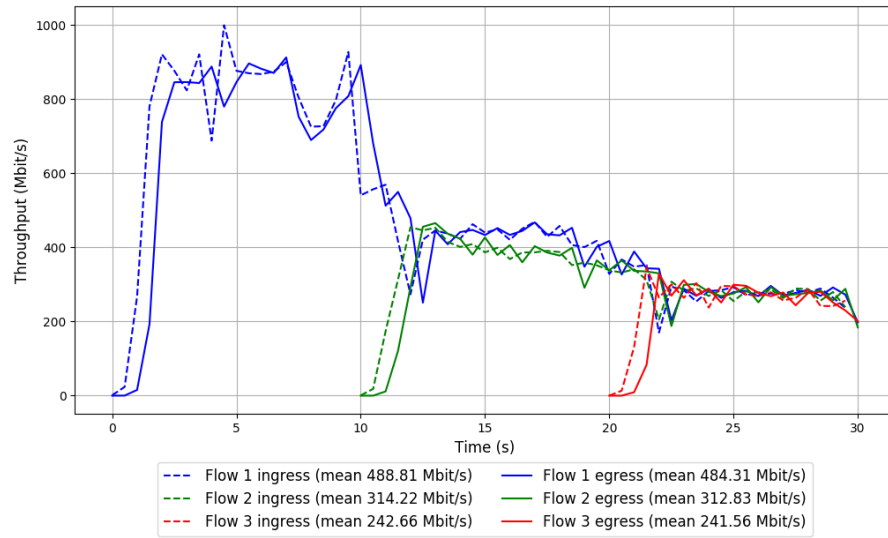


Run 1: Statistics of FillP-Sheep

Start at: 2019-07-17 21:30:39
End at: 2019-07-17 21:31:09
Local clock offset: 0.232 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-07-18 01:41:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 770.95 Mbit/s
95th percentile per-packet one-way delay: 138.605 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 484.31 Mbit/s
95th percentile per-packet one-way delay: 146.021 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 312.83 Mbit/s
95th percentile per-packet one-way delay: 91.062 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 241.56 Mbit/s
95th percentile per-packet one-way delay: 90.129 ms
Loss rate: 2.17%

Run 1: Report of FillP-Sheep — Data Link

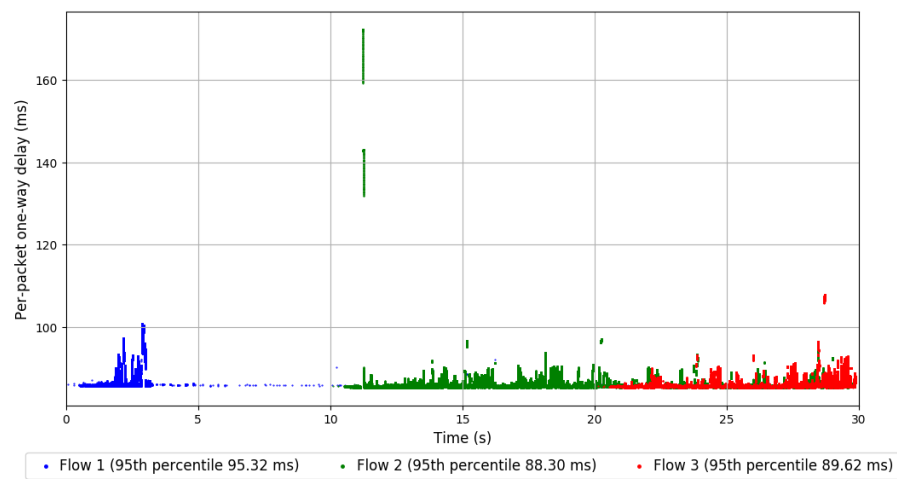
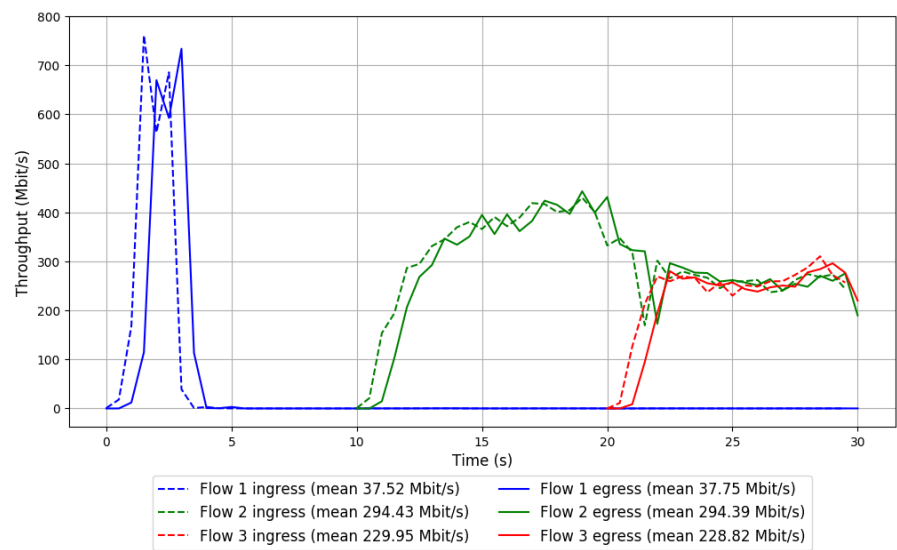


Run 2: Statistics of FillP-Sheep

Start at: 2019-07-17 22:12:47
End at: 2019-07-17 22:13:17
Local clock offset: -0.509 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-07-18 01:41:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 307.89 Mbit/s
95th percentile per-packet one-way delay: 90.033 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 95.317 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 294.39 Mbit/s
95th percentile per-packet one-way delay: 88.301 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 228.82 Mbit/s
95th percentile per-packet one-way delay: 89.621 ms
Loss rate: 2.24%

Run 2: Report of FillP-Sheep — Data Link

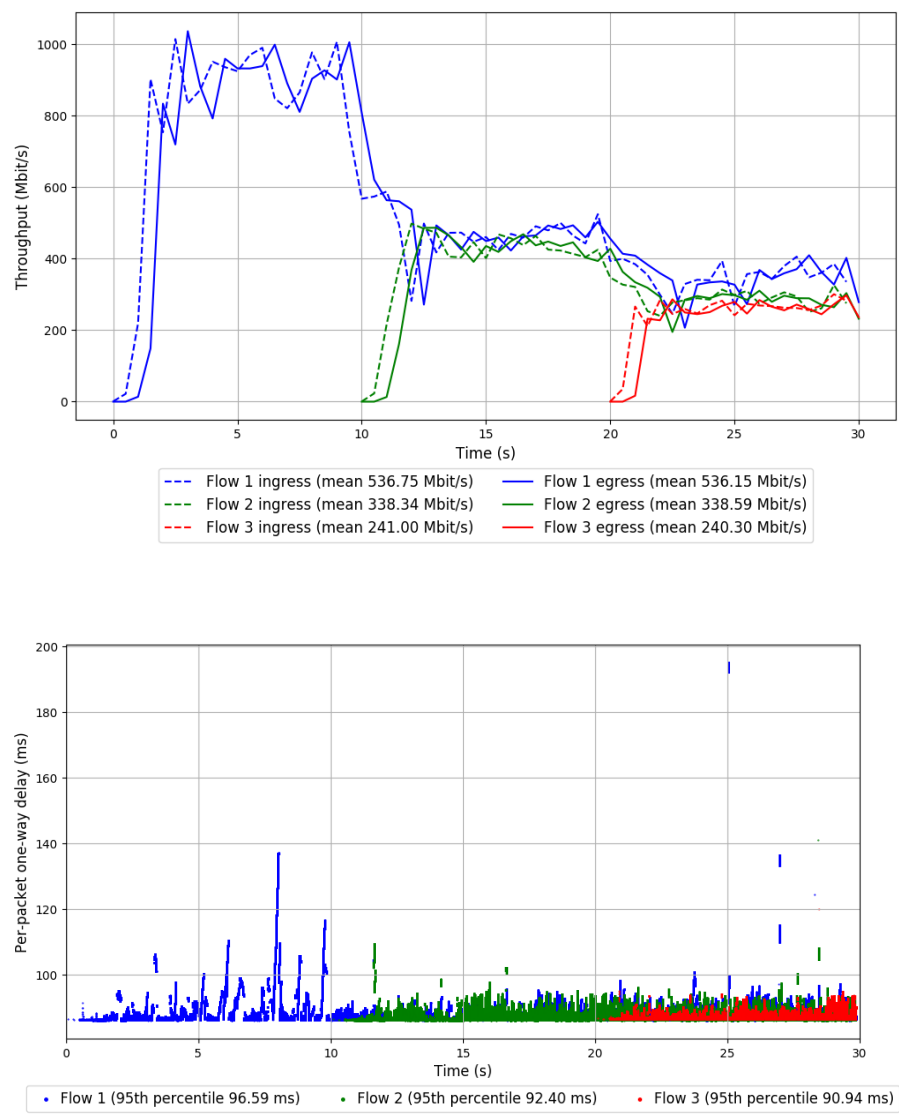


Run 3: Statistics of FillP-Sheep

Start at: 2019-07-17 22:54:33
End at: 2019-07-17 22:55:03
Local clock offset: 0.12 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2019-07-18 01:44:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 839.24 Mbit/s
95th percentile per-packet one-way delay: 94.288 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 536.15 Mbit/s
95th percentile per-packet one-way delay: 96.586 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 338.59 Mbit/s
95th percentile per-packet one-way delay: 92.398 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 240.30 Mbit/s
95th percentile per-packet one-way delay: 90.940 ms
Loss rate: 2.05%

Run 3: Report of FillP-Sheep — Data Link

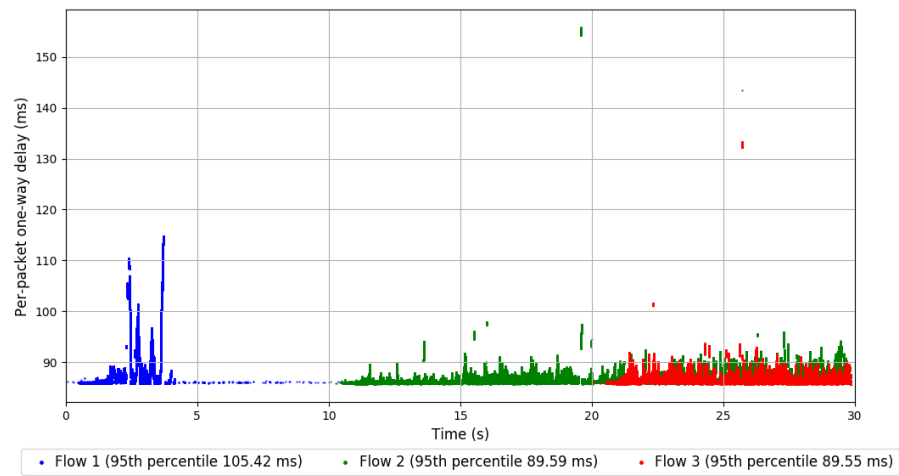
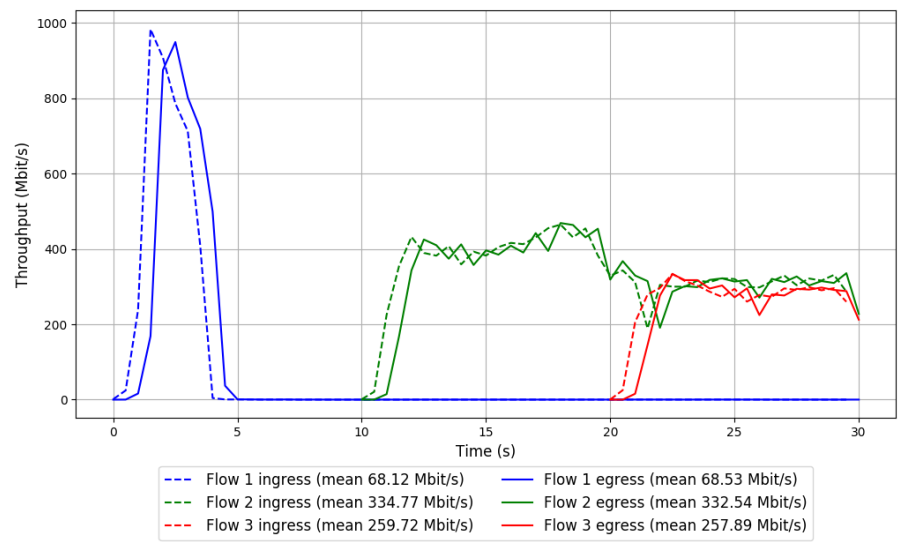


Run 4: Statistics of FillP-Sheep

Start at: 2019-07-17 23:37:08
End at: 2019-07-17 23:37:38
Local clock offset: 0.036 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2019-07-18 01:44:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 373.52 Mbit/s
95th percentile per-packet one-way delay: 90.706 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 68.53 Mbit/s
95th percentile per-packet one-way delay: 105.419 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 332.54 Mbit/s
95th percentile per-packet one-way delay: 89.591 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 257.89 Mbit/s
95th percentile per-packet one-way delay: 89.547 ms
Loss rate: 2.50%

Run 4: Report of FillP-Sheep — Data Link

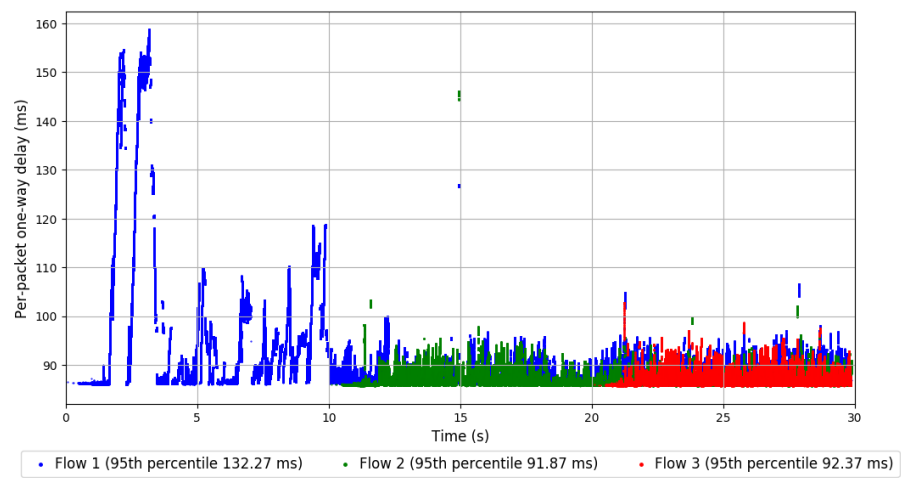
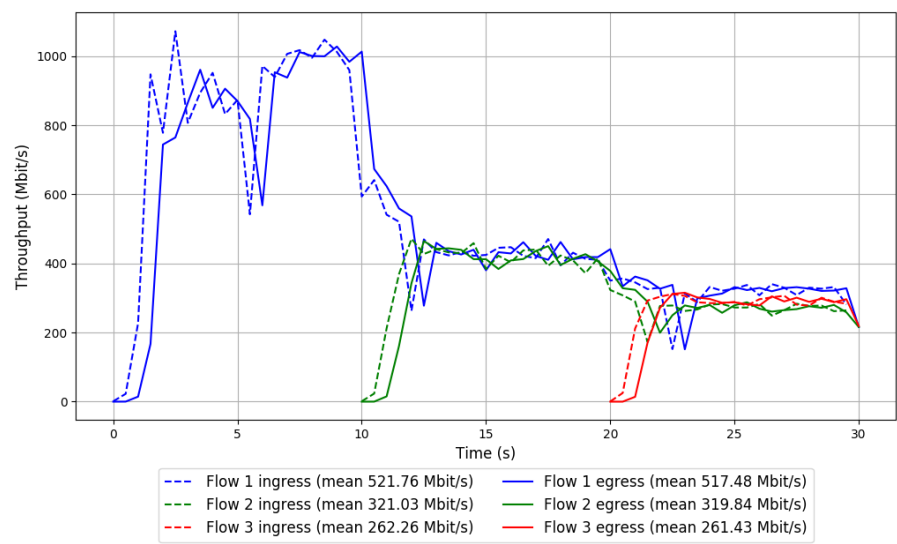


Run 5: Statistics of FillP-Sheep

Start at: 2019-07-18 00:18:43
End at: 2019-07-18 00:19:13
Local clock offset: 0.041 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-07-18 01:50:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 815.51 Mbit/s
95th percentile per-packet one-way delay: 112.224 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 517.48 Mbit/s
95th percentile per-packet one-way delay: 132.272 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 319.84 Mbit/s
95th percentile per-packet one-way delay: 91.871 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 261.43 Mbit/s
95th percentile per-packet one-way delay: 92.373 ms
Loss rate: 2.12%

Run 5: Report of FillP-Sheep — Data Link

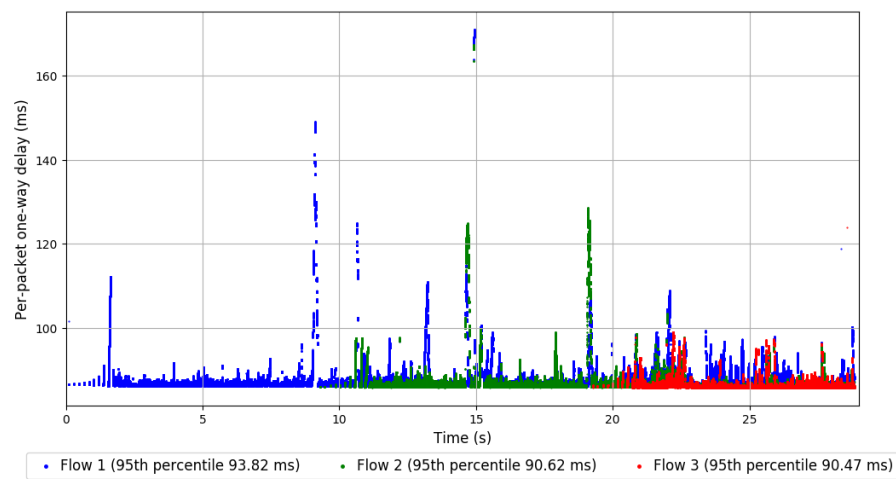
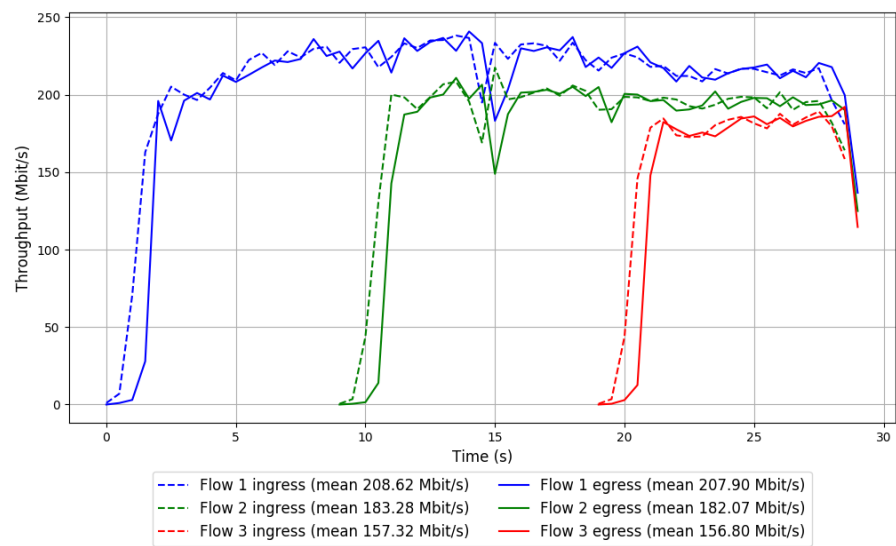


```
Run 1: Statistics of Indigo

Start at: 2019-07-17 21:03:42
End at: 2019-07-17 21:04:12
Local clock offset: 0.042 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2019-07-18 01:50:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 383.99 Mbit/s
95th percentile per-packet one-way delay: 92.438 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 207.90 Mbit/s
95th percentile per-packet one-way delay: 93.821 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 182.07 Mbit/s
95th percentile per-packet one-way delay: 90.617 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 156.80 Mbit/s
95th percentile per-packet one-way delay: 90.468 ms
Loss rate: 2.10%
```

Run 1: Report of Indigo — Data Link

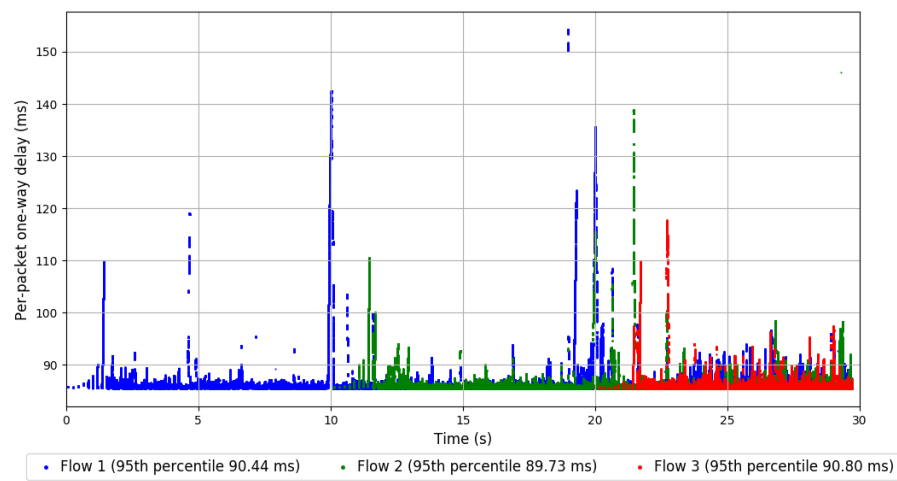
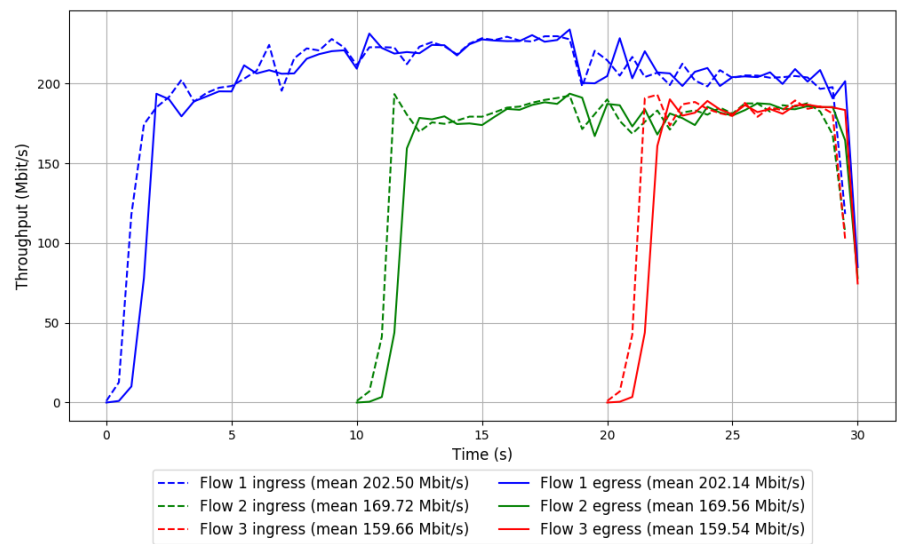


Run 2: Statistics of Indigo

Start at: 2019-07-17 21:45:09
End at: 2019-07-17 21:45:39
Local clock offset: -0.286 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2019-07-18 01:50:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 365.56 Mbit/s
95th percentile per-packet one-way delay: 90.279 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 202.14 Mbit/s
95th percentile per-packet one-way delay: 90.443 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 169.56 Mbit/s
95th percentile per-packet one-way delay: 89.727 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 159.54 Mbit/s
95th percentile per-packet one-way delay: 90.795 ms
Loss rate: 1.86%

Run 2: Report of Indigo — Data Link

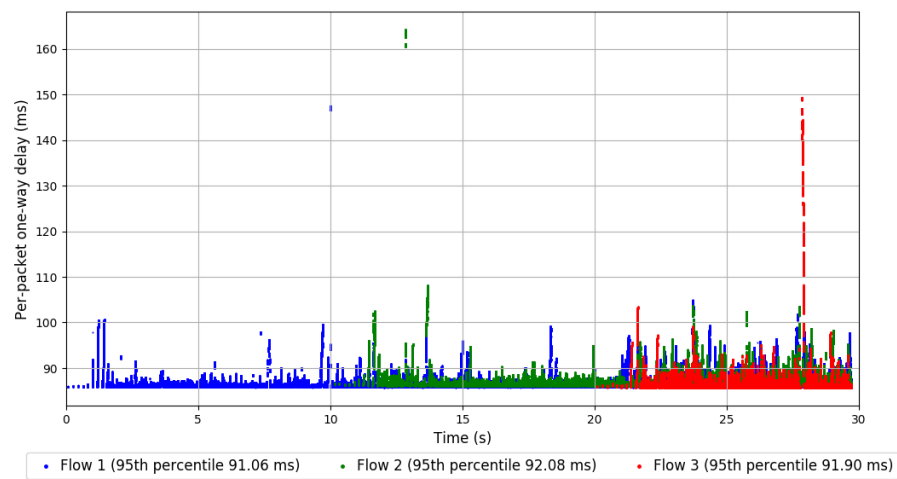
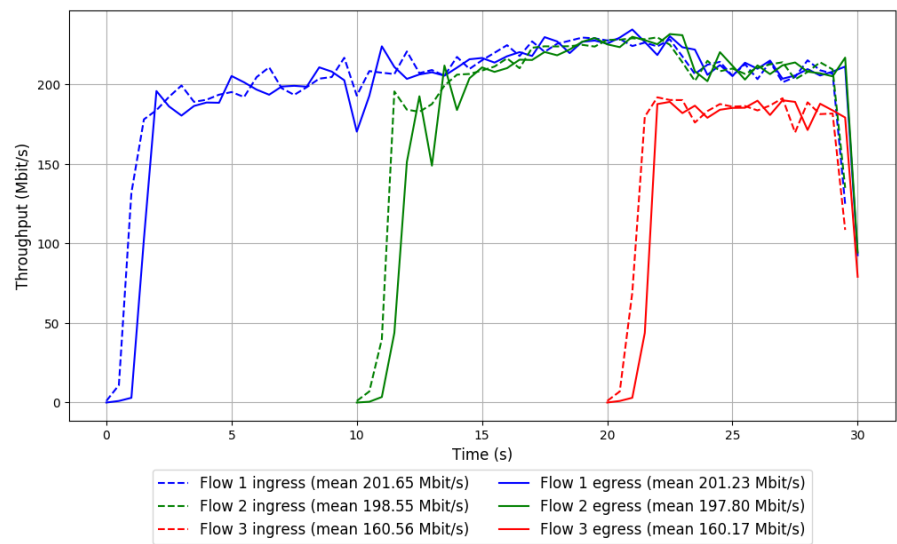


Run 3: Statistics of Indigo

Start at: 2019-07-17 22:26:48
End at: 2019-07-17 22:27:18
Local clock offset: -0.058 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2019-07-18 01:54:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 383.69 Mbit/s
95th percentile per-packet one-way delay: 91.528 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 201.23 Mbit/s
95th percentile per-packet one-way delay: 91.056 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 197.80 Mbit/s
95th percentile per-packet one-way delay: 92.085 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 160.17 Mbit/s
95th percentile per-packet one-way delay: 91.897 ms
Loss rate: 2.00%

Run 3: Report of Indigo — Data Link

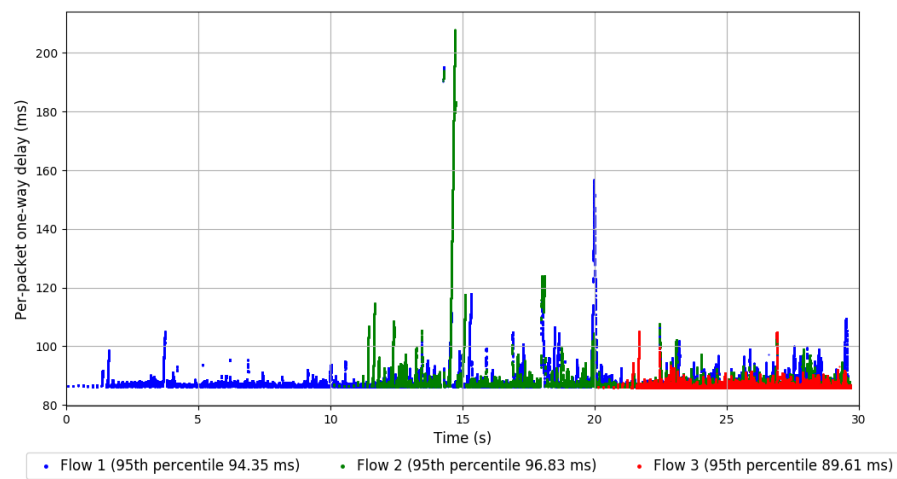
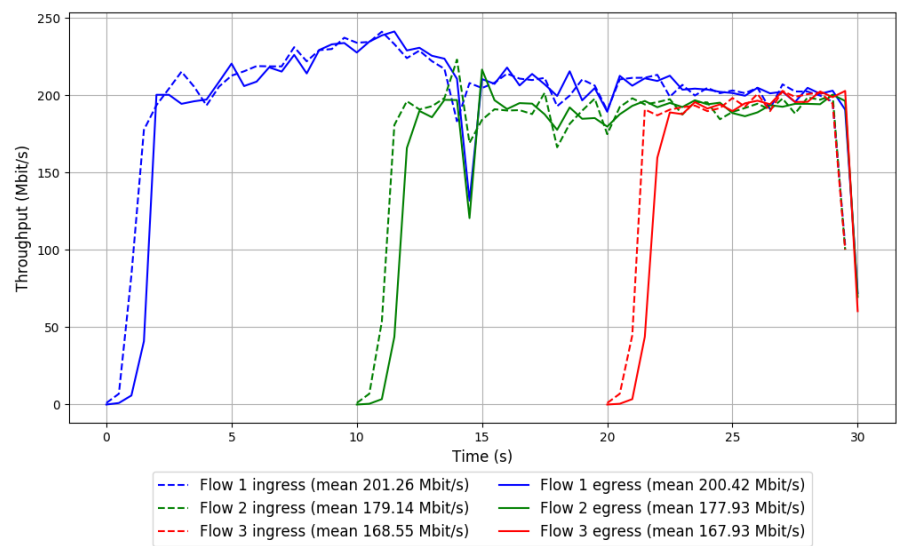


Run 4: Statistics of Indigo

Start at: 2019-07-17 23:09:13
End at: 2019-07-17 23:09:43
Local clock offset: 0.216 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2019-07-18 01:55:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.97 Mbit/s
95th percentile per-packet one-way delay: 94.382 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 200.42 Mbit/s
95th percentile per-packet one-way delay: 94.354 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 177.93 Mbit/s
95th percentile per-packet one-way delay: 96.835 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 167.93 Mbit/s
95th percentile per-packet one-way delay: 89.612 ms
Loss rate: 2.14%

Run 4: Report of Indigo — Data Link

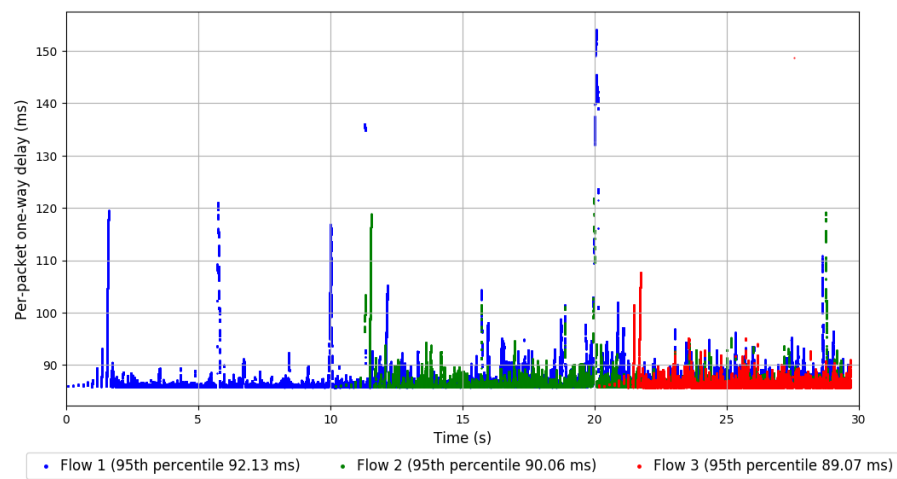
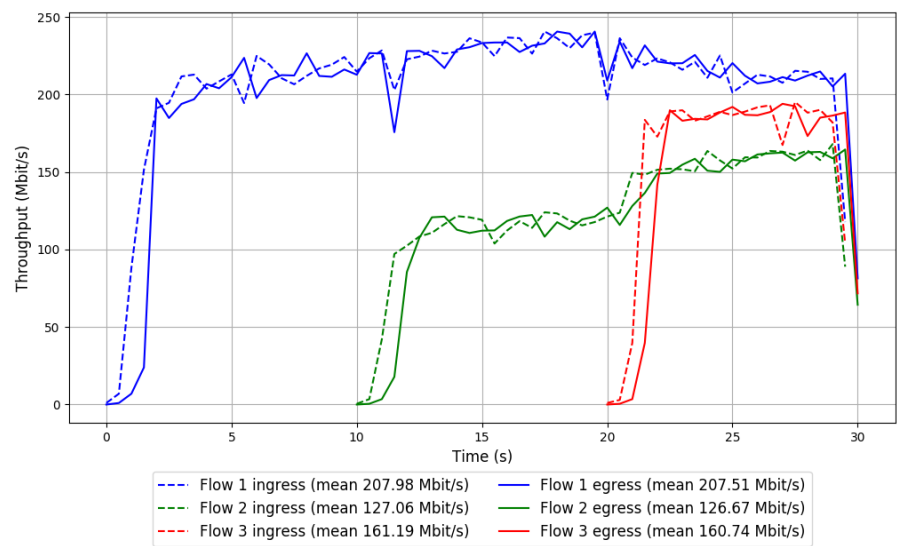


Run 5: Statistics of Indigo

Start at: 2019-07-17 23:51:16
End at: 2019-07-17 23:51:46
Local clock offset: 0.031 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2019-07-18 01:55:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.55 Mbit/s
95th percentile per-packet one-way delay: 91.235 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 207.51 Mbit/s
95th percentile per-packet one-way delay: 92.134 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 126.67 Mbit/s
95th percentile per-packet one-way delay: 90.058 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 160.74 Mbit/s
95th percentile per-packet one-way delay: 89.069 ms
Loss rate: 2.04%

Run 5: Report of Indigo — Data Link

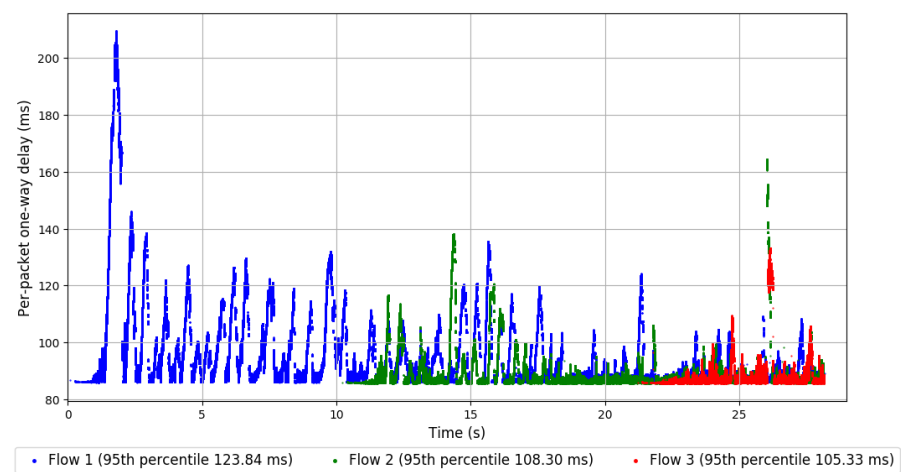
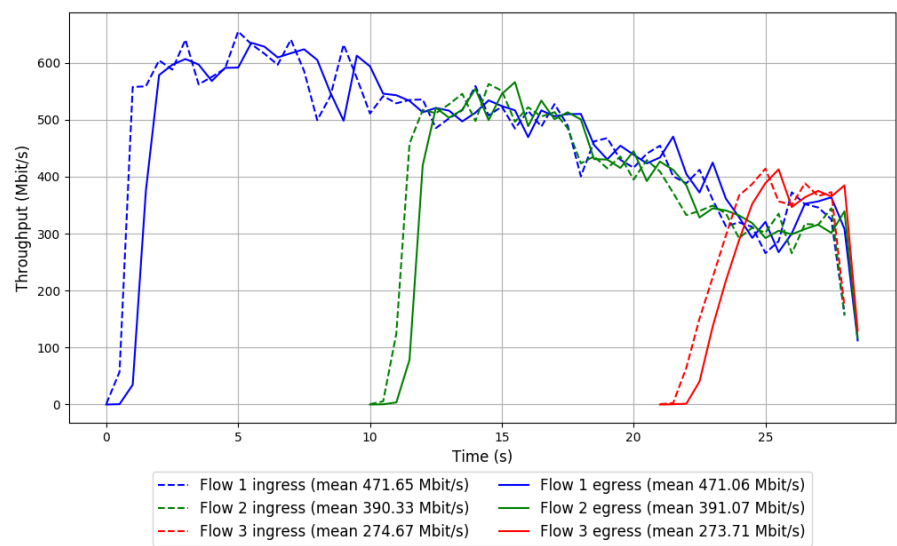


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-07-17 21:14:54
End at: 2019-07-17 21:15:24
Local clock offset: -0.111 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-07-18 01:57:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 788.58 Mbit/s
95th percentile per-packet one-way delay: 119.358 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 471.06 Mbit/s
95th percentile per-packet one-way delay: 123.843 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 391.07 Mbit/s
95th percentile per-packet one-way delay: 108.296 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 273.71 Mbit/s
95th percentile per-packet one-way delay: 105.334 ms
Loss rate: 2.77%

Run 1: Report of Indigo-MusesC3 — Data Link

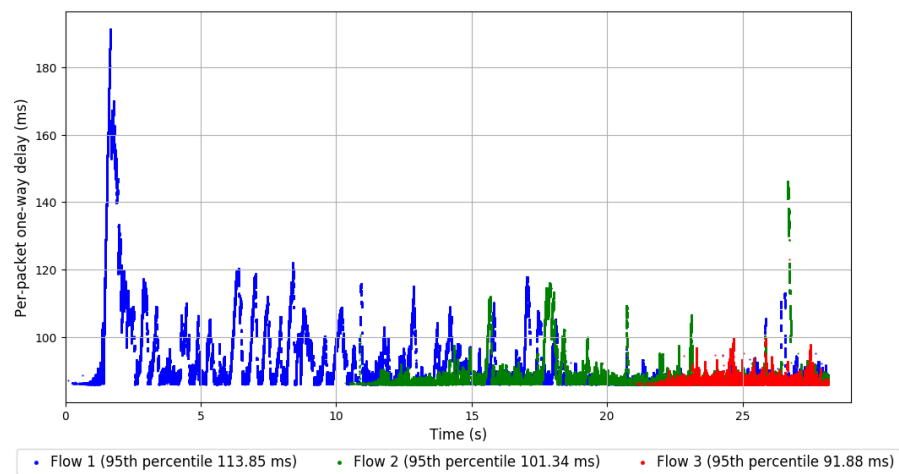
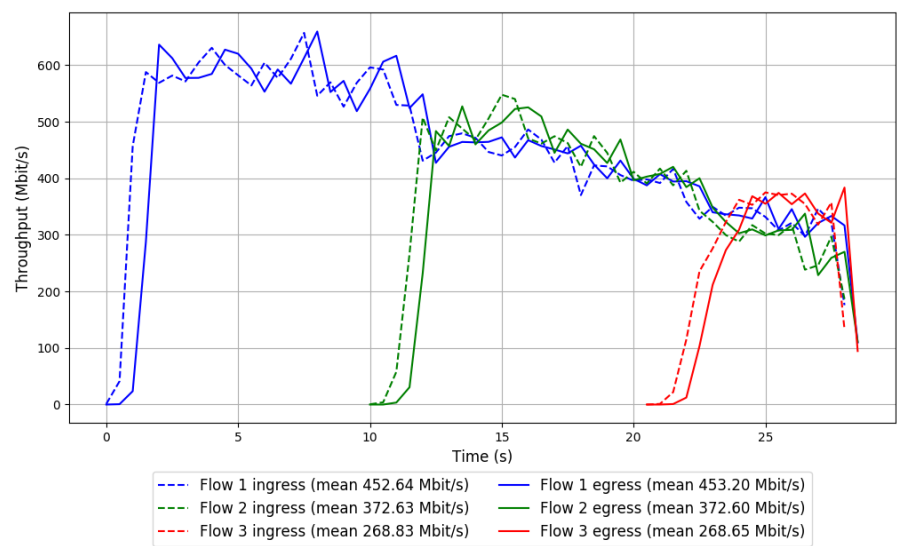


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-07-17 21:56:59
End at: 2019-07-17 21:57:29
Local clock offset: 0.205 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2019-07-18 01:59:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 758.86 Mbit/s
95th percentile per-packet one-way delay: 109.821 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 453.20 Mbit/s
95th percentile per-packet one-way delay: 113.849 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 372.60 Mbit/s
95th percentile per-packet one-way delay: 101.339 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 268.65 Mbit/s
95th percentile per-packet one-way delay: 91.876 ms
Loss rate: 2.41%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-07-17 22:38:42

End at: 2019-07-17 22:39:12

Local clock offset: 0.375 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-07-18 02:02:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 770.14 Mbit/s

95th percentile per-packet one-way delay: 113.487 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 452.73 Mbit/s

95th percentile per-packet one-way delay: 116.509 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 384.52 Mbit/s

95th percentile per-packet one-way delay: 106.633 ms

Loss rate: 0.69%

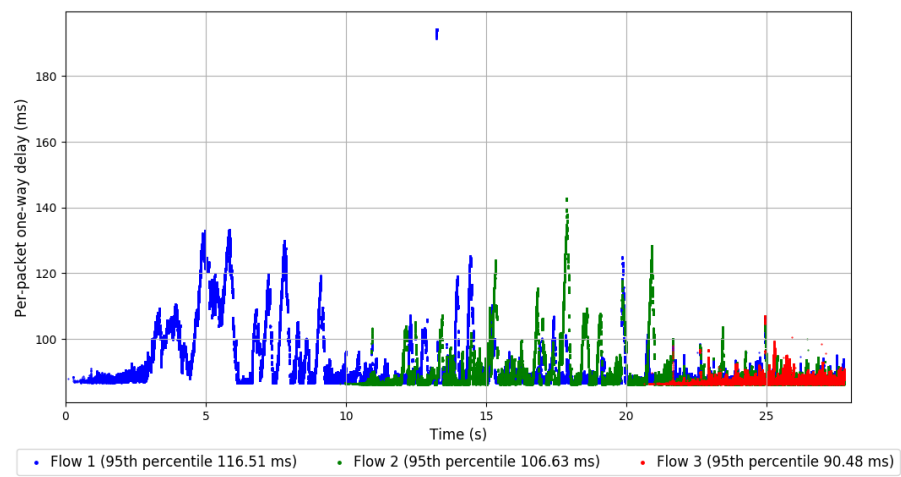
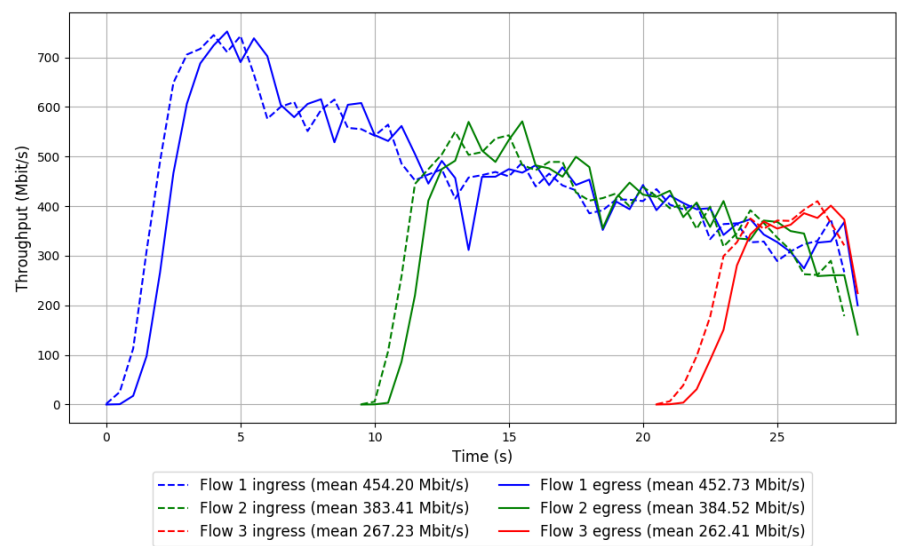
-- Flow 3:

Average throughput: 262.41 Mbit/s

95th percentile per-packet one-way delay: 90.481 ms

Loss rate: 4.13%

Run 3: Report of Indigo-MusesC3 — Data Link

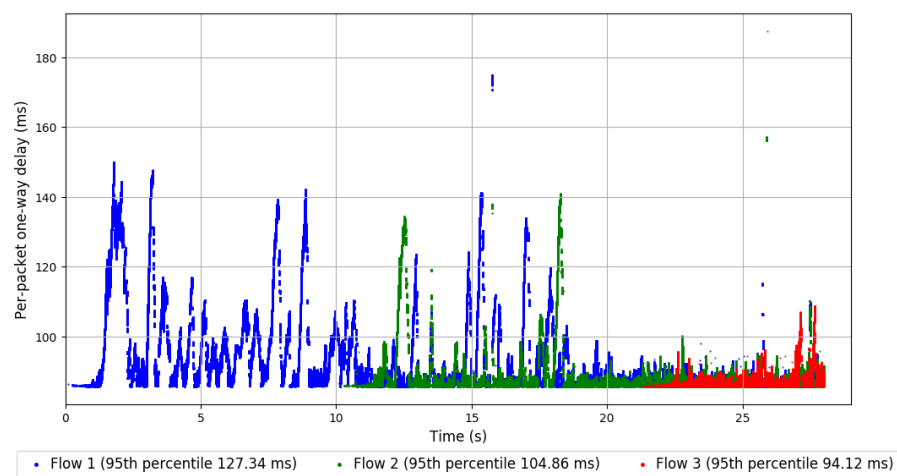
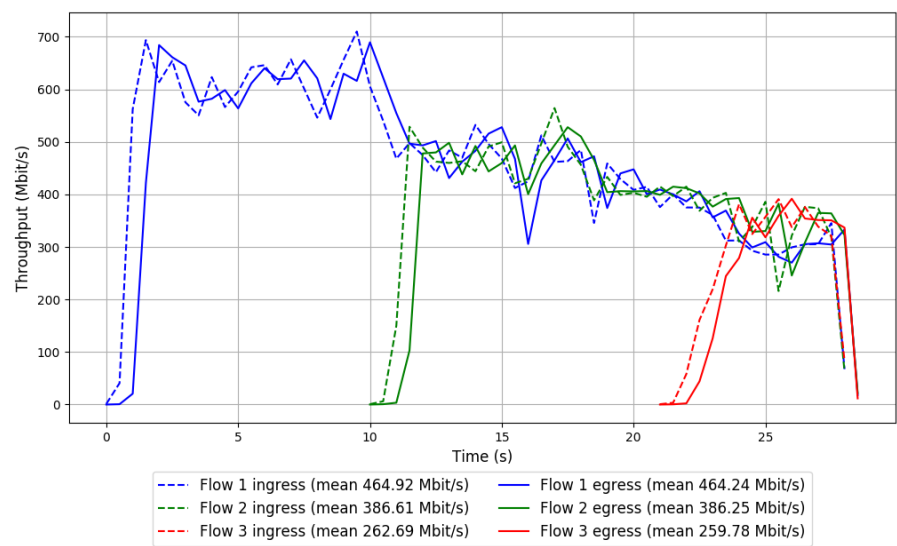


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-07-17 23:21:10
End at: 2019-07-17 23:21:40
Local clock offset: -0.03 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2019-07-18 02:03:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 774.78 Mbit/s
95th percentile per-packet one-way delay: 121.286 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 464.24 Mbit/s
95th percentile per-packet one-way delay: 127.339 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 386.25 Mbit/s
95th percentile per-packet one-way delay: 104.858 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 259.78 Mbit/s
95th percentile per-packet one-way delay: 94.124 ms
Loss rate: 3.57%

Run 4: Report of Indigo-MusesC3 — Data Link

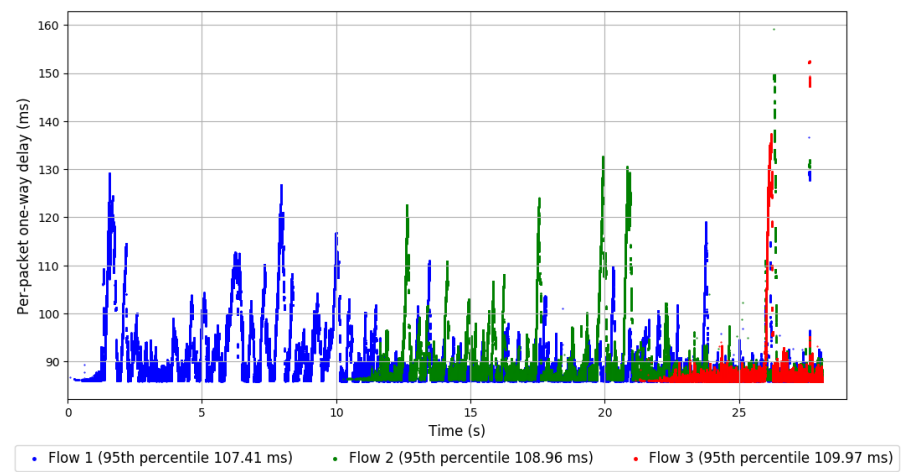
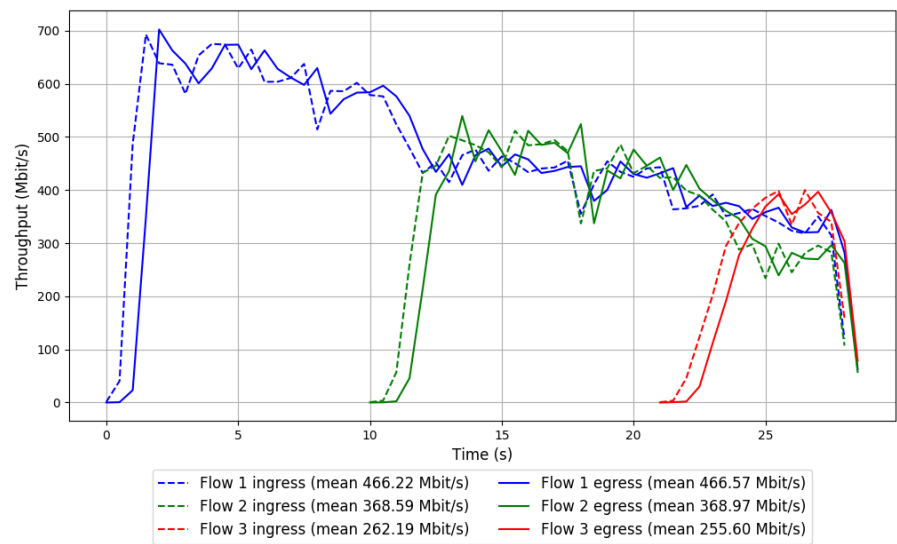


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-07-18 00:02:58
End at: 2019-07-18 00:03:28
Local clock offset: 0.173 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2019-07-18 02:06:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 765.30 Mbit/s
95th percentile per-packet one-way delay: 107.920 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 466.57 Mbit/s
95th percentile per-packet one-way delay: 107.413 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 368.97 Mbit/s
95th percentile per-packet one-way delay: 108.957 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 255.60 Mbit/s
95th percentile per-packet one-way delay: 109.969 ms
Loss rate: 4.87%

Run 5: Report of Indigo-MusesC3 — Data Link

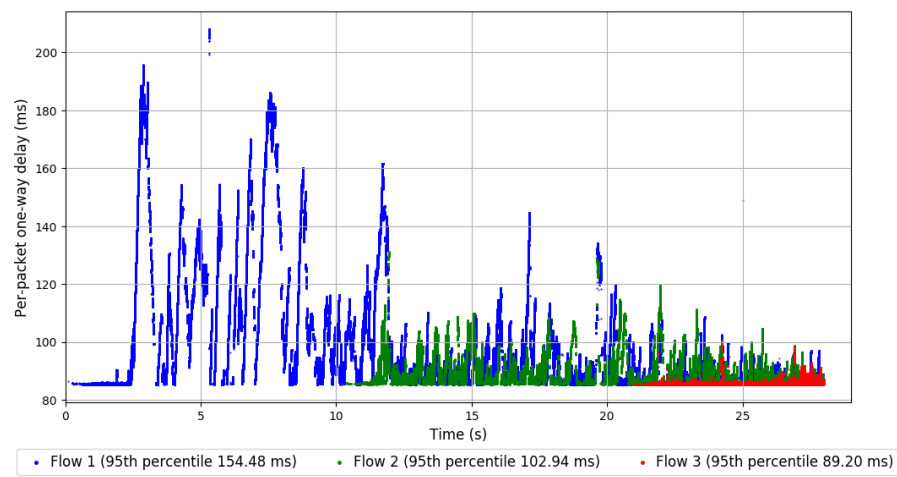
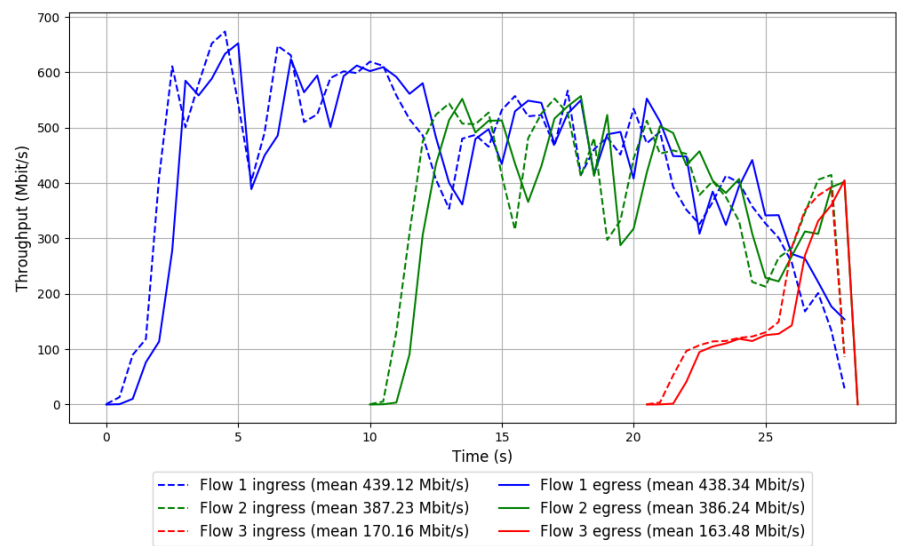


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-07-17 21:16:51
End at: 2019-07-17 21:17:21
Local clock offset: -0.447 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-07-18 02:08:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 726.38 Mbit/s
95th percentile per-packet one-way delay: 142.392 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 438.34 Mbit/s
95th percentile per-packet one-way delay: 154.476 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 386.24 Mbit/s
95th percentile per-packet one-way delay: 102.940 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 163.48 Mbit/s
95th percentile per-packet one-way delay: 89.200 ms
Loss rate: 6.19%

Run 1: Report of Indigo-MusesC5 — Data Link

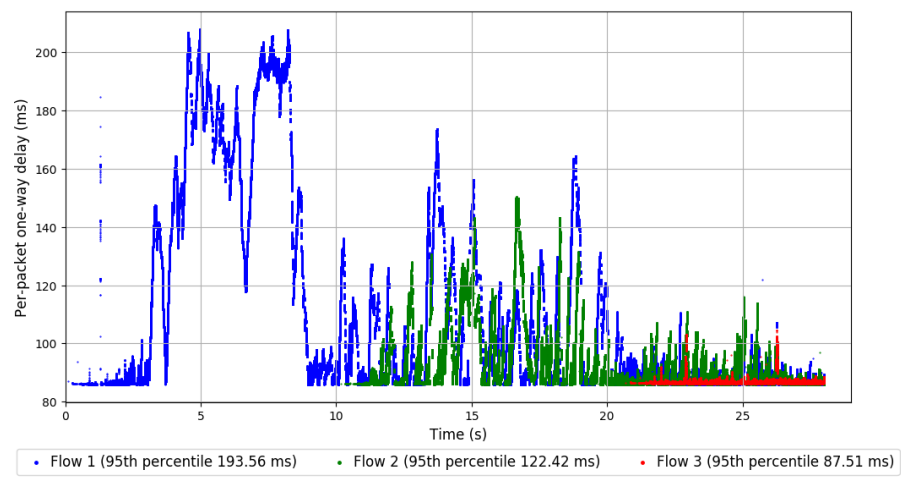
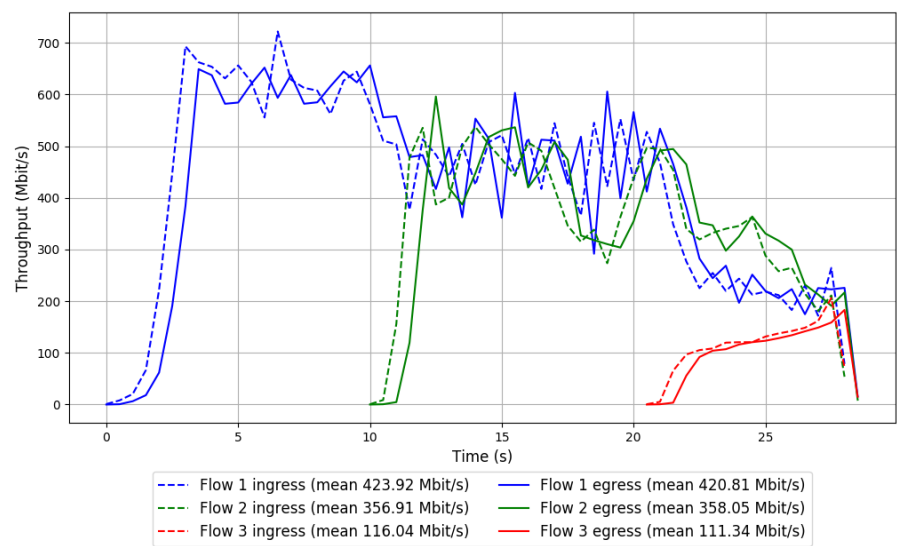


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-07-17 21:58:55
End at: 2019-07-17 21:59:25
Local clock offset: 0.161 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-07-18 02:08:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 678.91 Mbit/s
95th percentile per-packet one-way delay: 187.707 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 420.81 Mbit/s
95th percentile per-packet one-way delay: 193.565 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 358.05 Mbit/s
95th percentile per-packet one-way delay: 122.418 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 111.34 Mbit/s
95th percentile per-packet one-way delay: 87.512 ms
Loss rate: 6.25%

Run 2: Report of Indigo-MusesC5 — Data Link

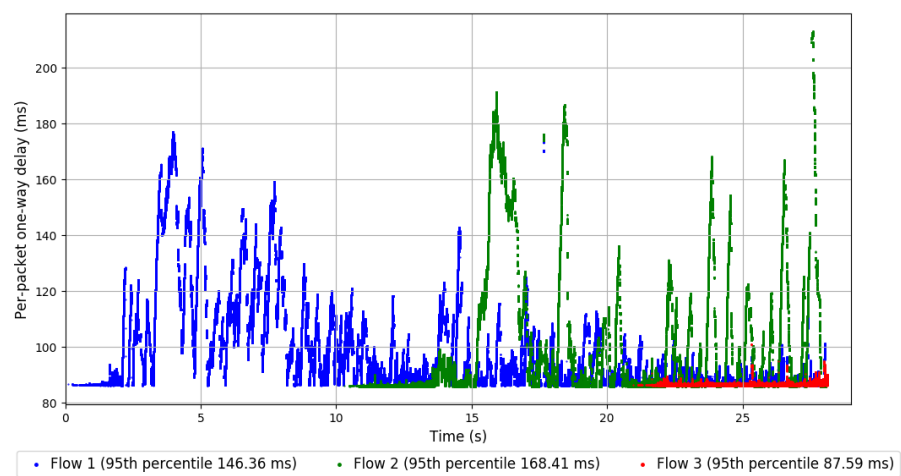
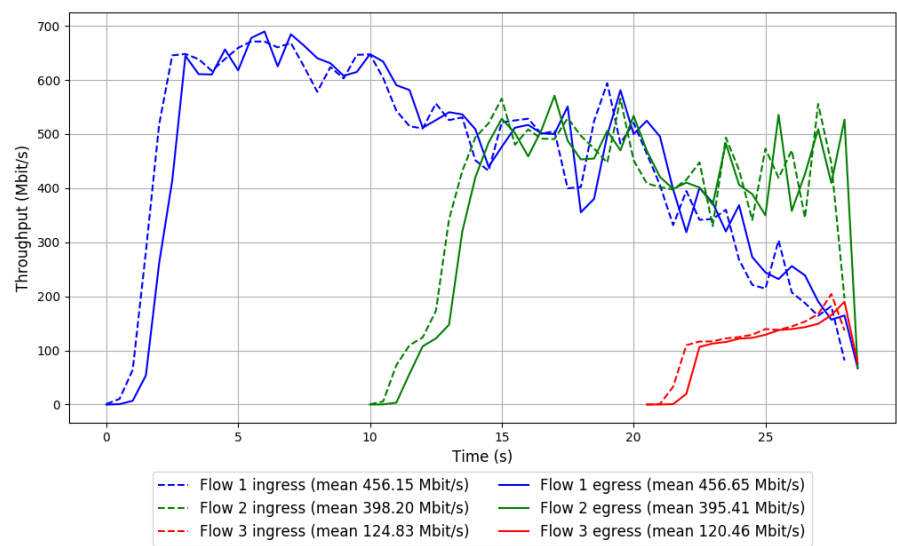


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-07-17 22:40:38
End at: 2019-07-17 22:41:08
Local clock offset: -0.07 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-07-18 02:09:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 737.93 Mbit/s
95th percentile per-packet one-way delay: 153.203 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 456.65 Mbit/s
95th percentile per-packet one-way delay: 146.357 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 395.41 Mbit/s
95th percentile per-packet one-way delay: 168.407 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 120.46 Mbit/s
95th percentile per-packet one-way delay: 87.590 ms
Loss rate: 5.79%

Run 3: Report of Indigo-MusesC5 — Data Link

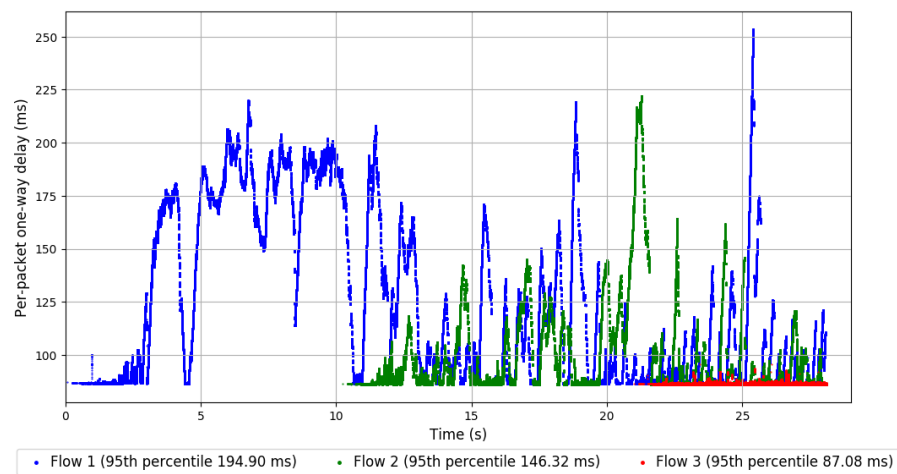
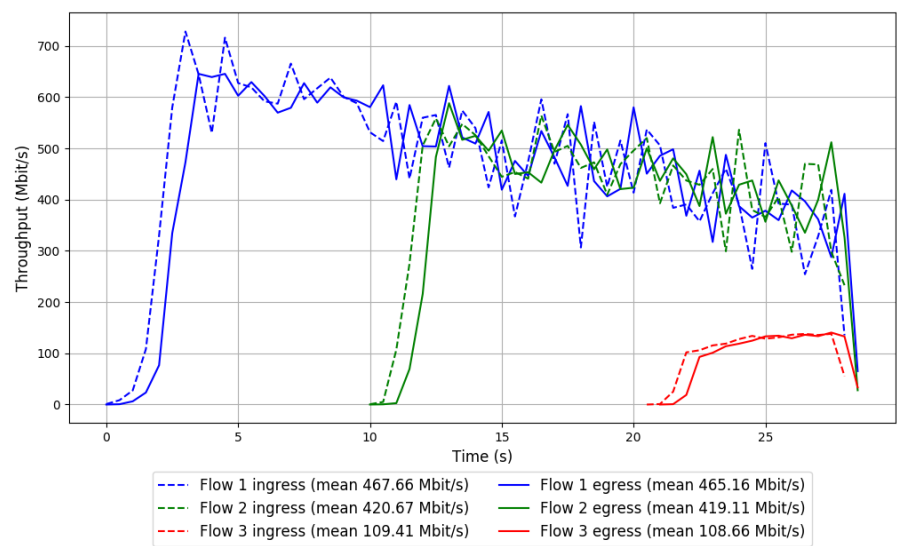


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-07-17 23:23:06
End at: 2019-07-17 23:23:36
Local clock offset: 0.379 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2019-07-18 02:12:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 758.04 Mbit/s
95th percentile per-packet one-way delay: 192.736 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 465.16 Mbit/s
95th percentile per-packet one-way delay: 194.899 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 419.11 Mbit/s
95th percentile per-packet one-way delay: 146.325 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 108.66 Mbit/s
95th percentile per-packet one-way delay: 87.078 ms
Loss rate: 3.06%

Run 4: Report of Indigo-MusesC5 — Data Link

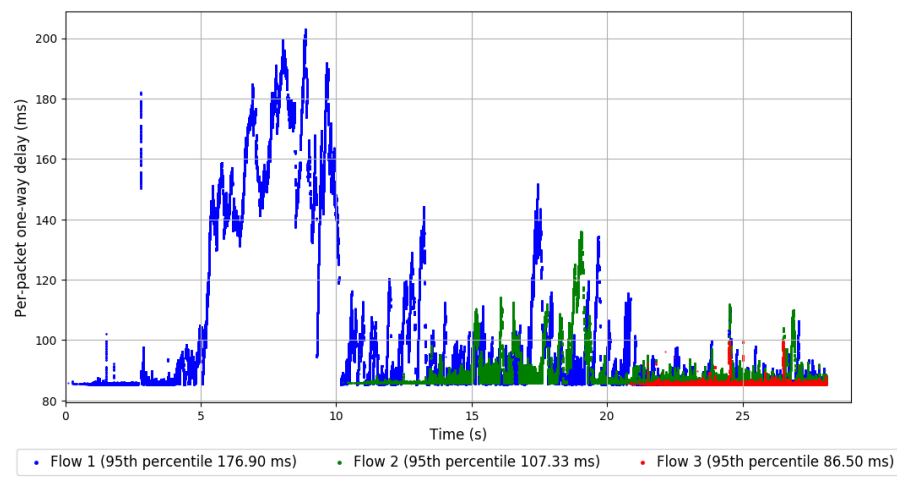
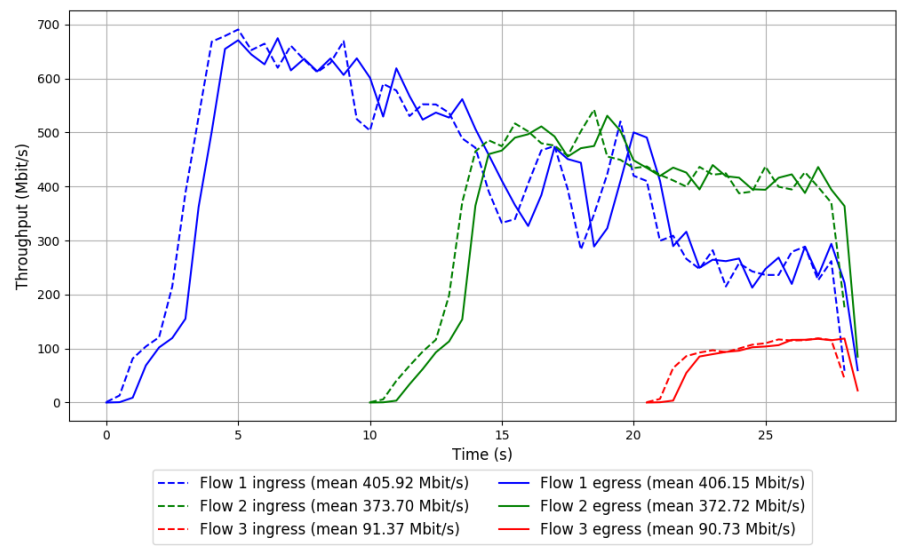


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-07-18 00:04:53
End at: 2019-07-18 00:05:23
Local clock offset: -0.404 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2019-07-18 02:12:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 667.49 Mbit/s
95th percentile per-packet one-way delay: 170.428 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 406.15 Mbit/s
95th percentile per-packet one-way delay: 176.903 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 372.72 Mbit/s
95th percentile per-packet one-way delay: 107.331 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: 86.500 ms
Loss rate: 2.95%

Run 5: Report of Indigo-MusesC5 — Data Link

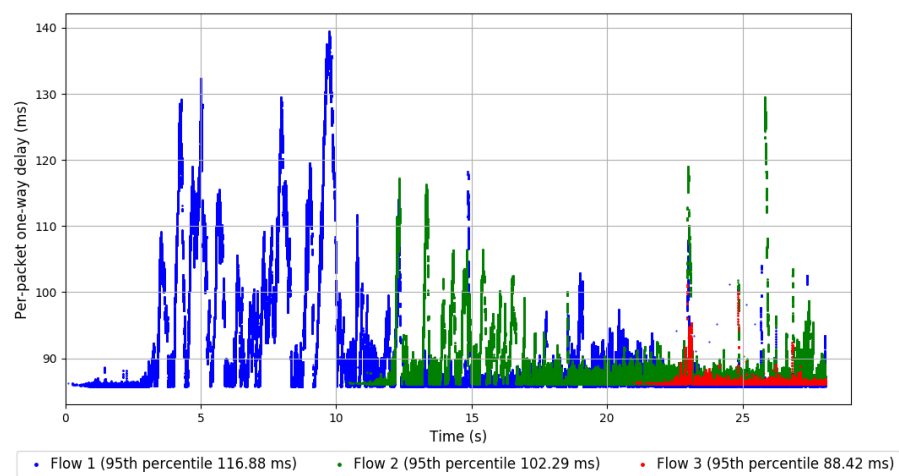
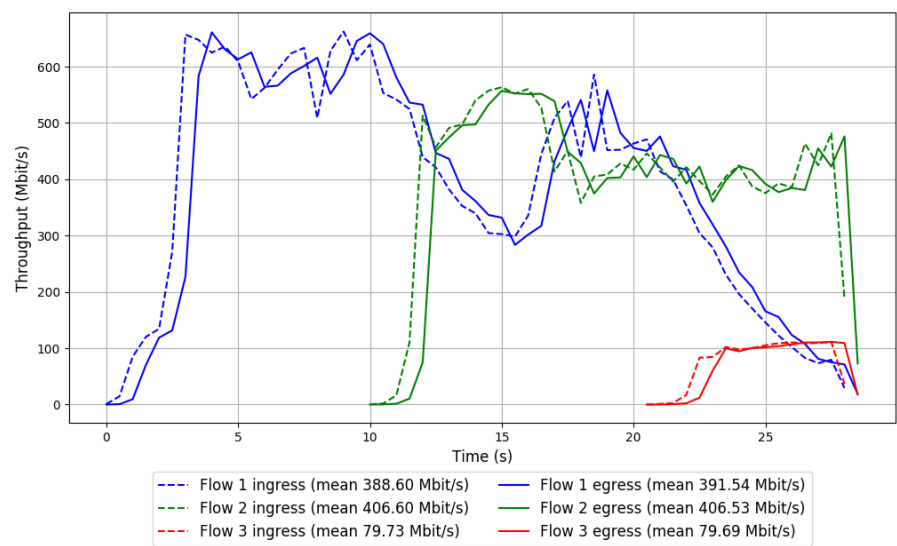


Run 1: Statistics of Indigo-MusesD

Start at: 2019-07-17 21:08:28
End at: 2019-07-17 21:08:58
Local clock offset: -0.089 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2019-07-18 02:16:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 669.70 Mbit/s
95th percentile per-packet one-way delay: 112.514 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 391.54 Mbit/s
95th percentile per-packet one-way delay: 116.876 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 406.53 Mbit/s
95th percentile per-packet one-way delay: 102.290 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 79.69 Mbit/s
95th percentile per-packet one-way delay: 88.418 ms
Loss rate: 3.16%

Run 1: Report of Indigo-MusesD — Data Link

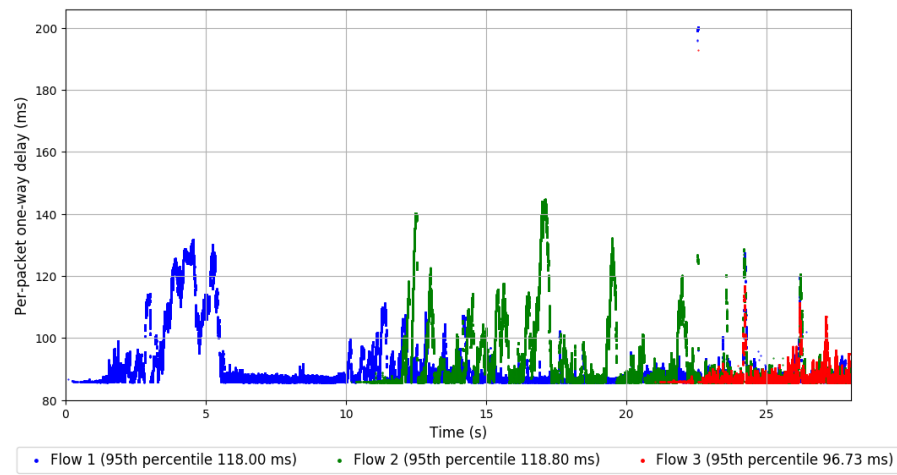
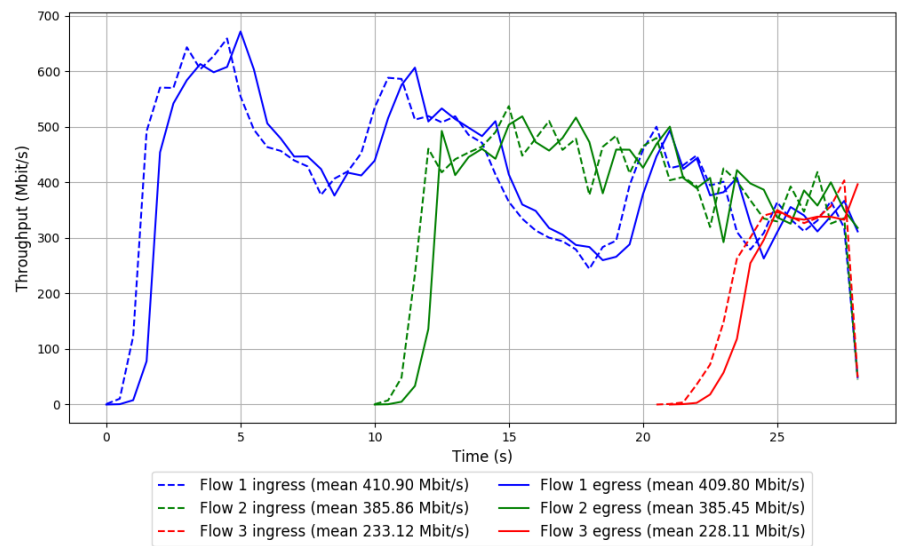


Run 2: Statistics of Indigo-MusesD

Start at: 2019-07-17 21:50:03
End at: 2019-07-17 21:50:33
Local clock offset: -0.032 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2019-07-18 02:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 712.58 Mbit/s
95th percentile per-packet one-way delay: 116.827 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 409.80 Mbit/s
95th percentile per-packet one-way delay: 118.002 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 385.45 Mbit/s
95th percentile per-packet one-way delay: 118.804 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 228.11 Mbit/s
95th percentile per-packet one-way delay: 96.734 ms
Loss rate: 4.49%

Run 2: Report of Indigo-MusesD — Data Link

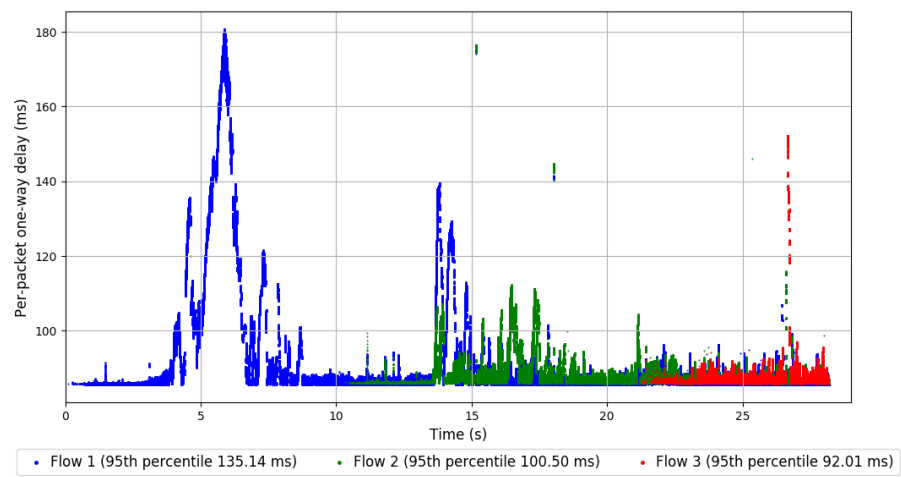
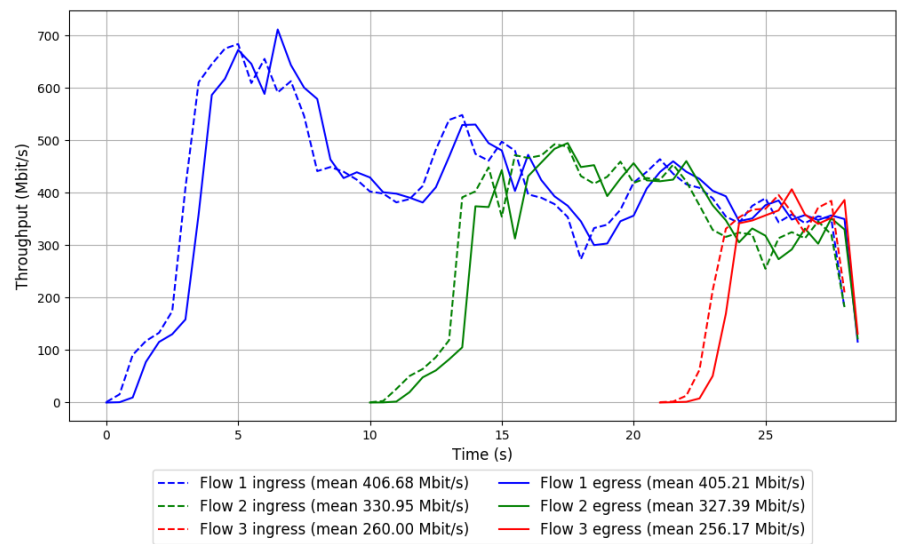


Run 3: Statistics of Indigo-MusesD

Start at: 2019-07-17 22:31:41
End at: 2019-07-17 22:32:11
Local clock offset: -0.317 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-07-18 02:19:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 677.80 Mbit/s
95th percentile per-packet one-way delay: 123.734 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 405.21 Mbit/s
95th percentile per-packet one-way delay: 135.136 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 327.39 Mbit/s
95th percentile per-packet one-way delay: 100.501 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 256.17 Mbit/s
95th percentile per-packet one-way delay: 92.008 ms
Loss rate: 3.82%

Run 3: Report of Indigo-MusesD — Data Link

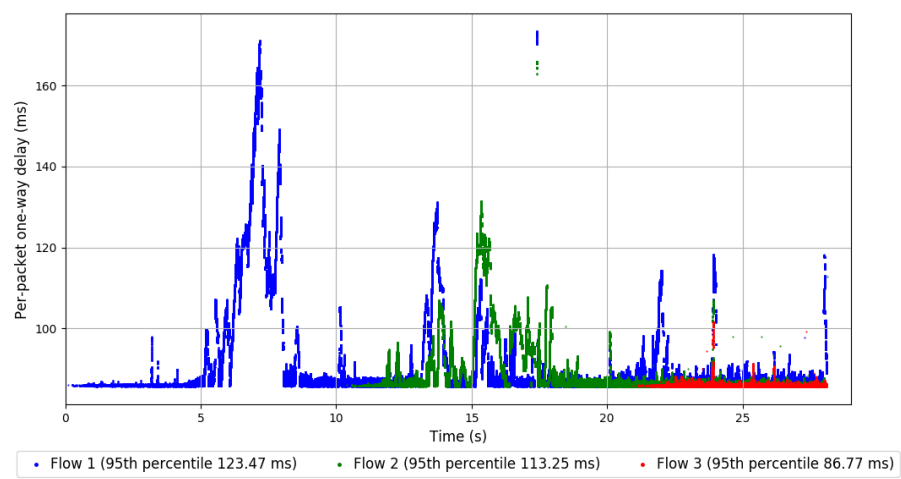
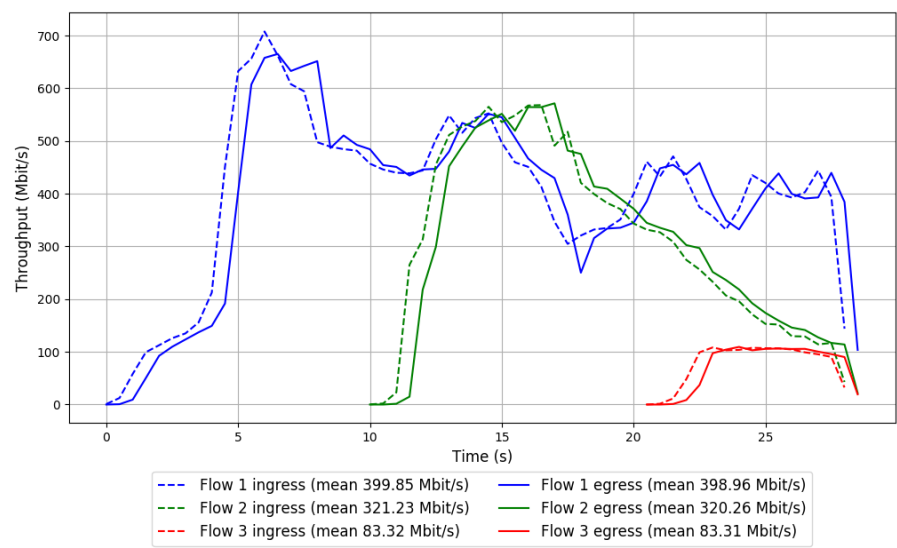


Run 4: Statistics of Indigo-MusesD

Start at: 2019-07-17 23:14:09
End at: 2019-07-17 23:14:39
Local clock offset: -0.059 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2019-07-18 02:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 622.36 Mbit/s
95th percentile per-packet one-way delay: 119.939 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 398.96 Mbit/s
95th percentile per-packet one-way delay: 123.468 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 320.26 Mbit/s
95th percentile per-packet one-way delay: 113.247 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 83.31 Mbit/s
95th percentile per-packet one-way delay: 86.771 ms
Loss rate: 2.38%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-07-17 23:56:06

End at: 2019-07-17 23:56:36

Local clock offset: -0.392 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2019-07-18 02:22:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 693.09 Mbit/s

95th percentile per-packet one-way delay: 161.918 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 414.95 Mbit/s

95th percentile per-packet one-way delay: 126.076 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 332.37 Mbit/s

95th percentile per-packet one-way delay: 209.589 ms

Loss rate: 1.11%

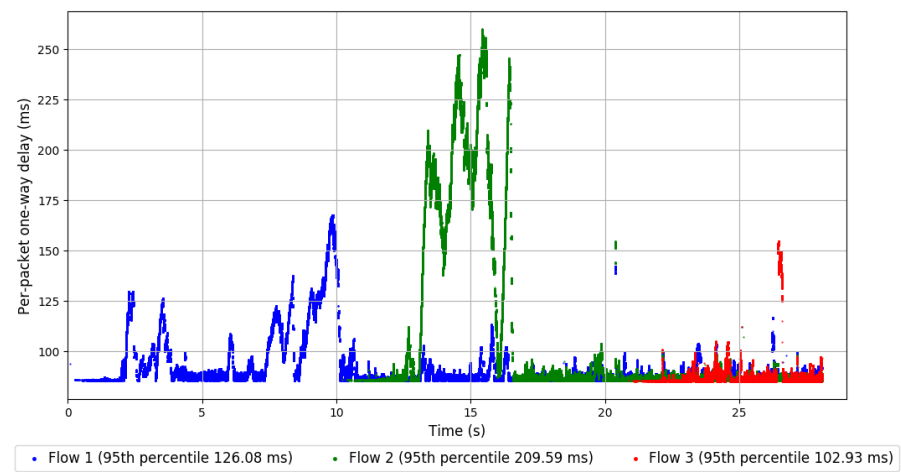
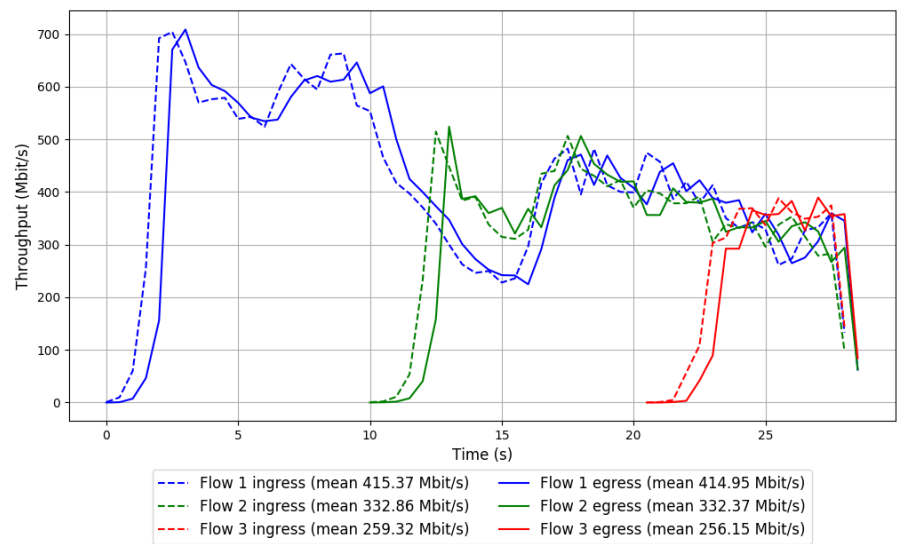
-- Flow 3:

Average throughput: 256.15 Mbit/s

95th percentile per-packet one-way delay: 102.931 ms

Loss rate: 3.58%

Run 5: Report of Indigo-MusesD — Data Link

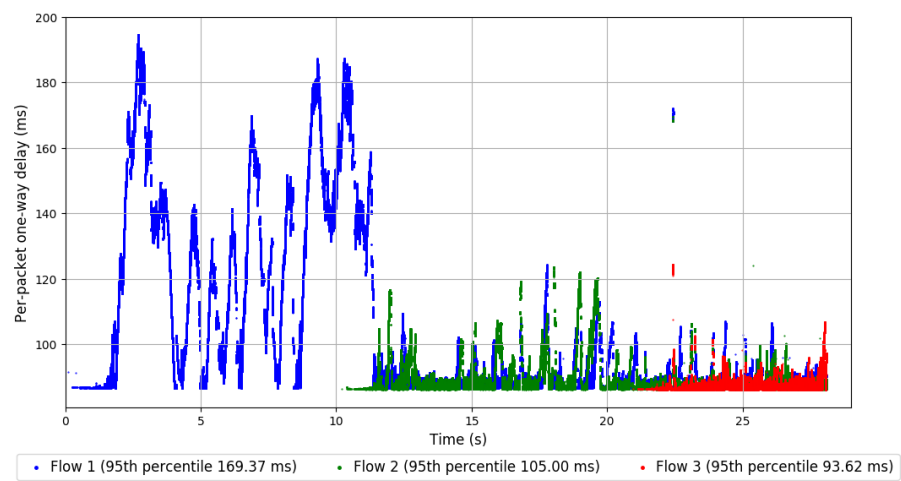
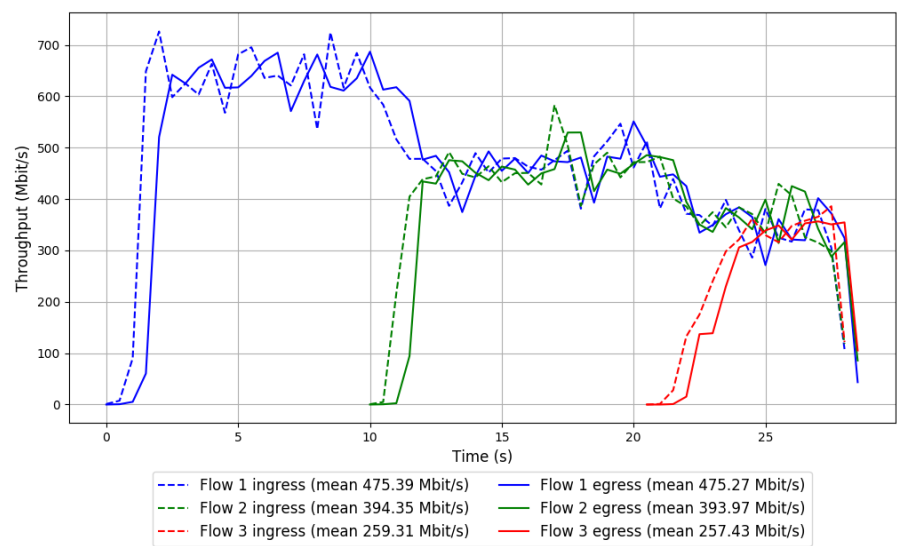


Run 1: Statistics of Indigo-MusesT

Start at: 2019-07-17 21:39:34
End at: 2019-07-17 21:40:04
Local clock offset: 0.417 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-07-18 02:25:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 792.39 Mbit/s
95th percentile per-packet one-way delay: 159.414 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 475.27 Mbit/s
95th percentile per-packet one-way delay: 169.371 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 393.97 Mbit/s
95th percentile per-packet one-way delay: 104.995 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 257.43 Mbit/s
95th percentile per-packet one-way delay: 93.620 ms
Loss rate: 2.91%

Run 1: Report of Indigo-MusesT — Data Link

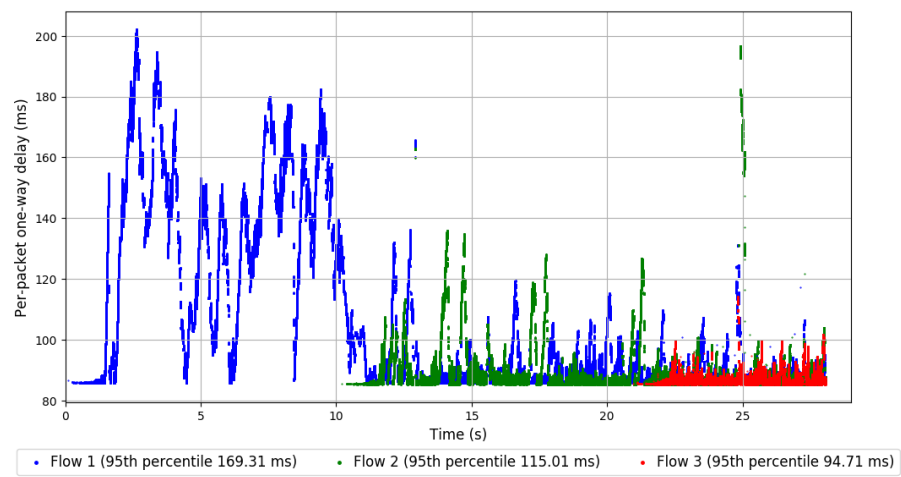
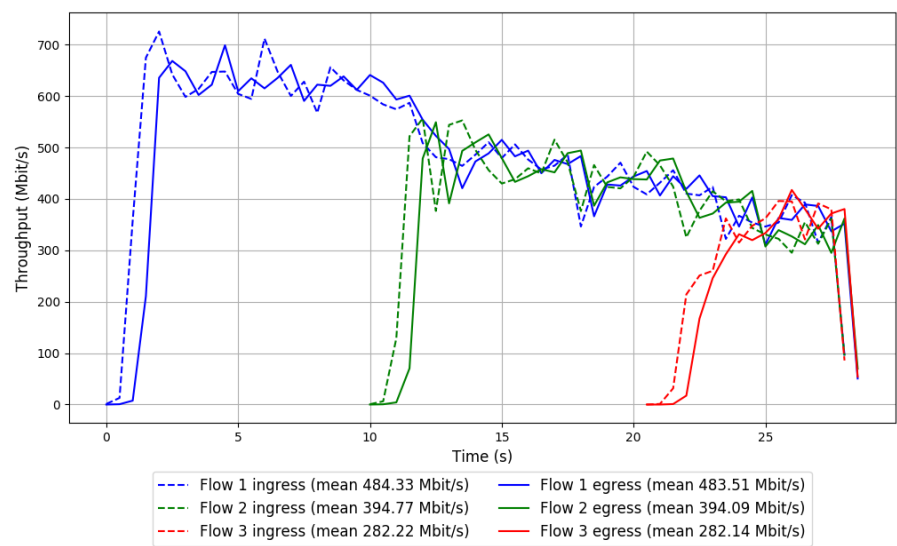


Run 2: Statistics of Indigo-MusesT

Start at: 2019-07-17 22:21:13
End at: 2019-07-17 22:21:43
Local clock offset: -0.455 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-07-18 02:28:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 806.58 Mbit/s
95th percentile per-packet one-way delay: 161.969 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 483.51 Mbit/s
95th percentile per-packet one-way delay: 169.309 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 394.09 Mbit/s
95th percentile per-packet one-way delay: 115.010 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 282.14 Mbit/s
95th percentile per-packet one-way delay: 94.708 ms
Loss rate: 2.40%

Run 2: Report of Indigo-MusesT — Data Link

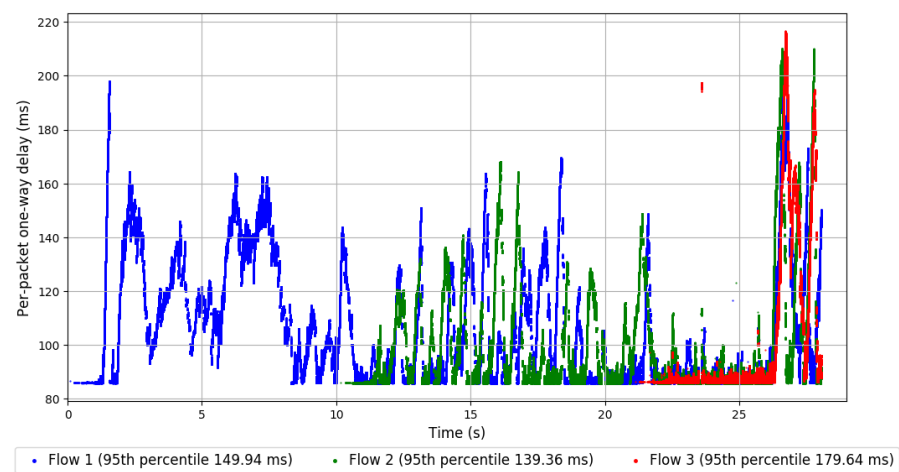
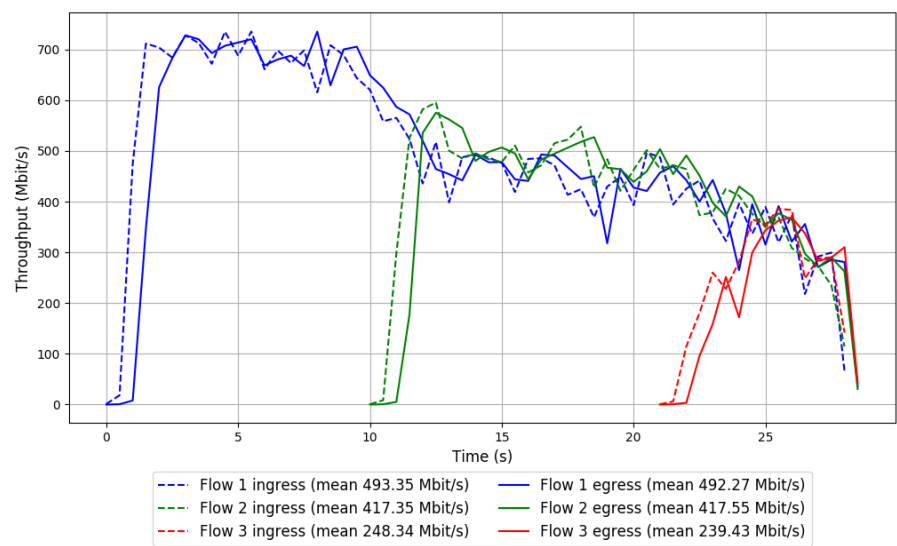


Run 3: Statistics of Indigo-MusesT

Start at: 2019-07-17 23:03:32
End at: 2019-07-17 23:04:02
Local clock offset: -0.023 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-07-18 02:29:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 818.55 Mbit/s
95th percentile per-packet one-way delay: 150.014 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 492.27 Mbit/s
95th percentile per-packet one-way delay: 149.944 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 417.55 Mbit/s
95th percentile per-packet one-way delay: 139.356 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 239.43 Mbit/s
95th percentile per-packet one-way delay: 179.641 ms
Loss rate: 5.93%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-07-17 23:45:43

End at: 2019-07-17 23:46:13

Local clock offset: -0.029 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2019-07-18 02:32:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 785.55 Mbit/s

95th percentile per-packet one-way delay: 168.203 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 470.15 Mbit/s

95th percentile per-packet one-way delay: 177.678 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 386.57 Mbit/s

95th percentile per-packet one-way delay: 127.348 ms

Loss rate: 1.32%

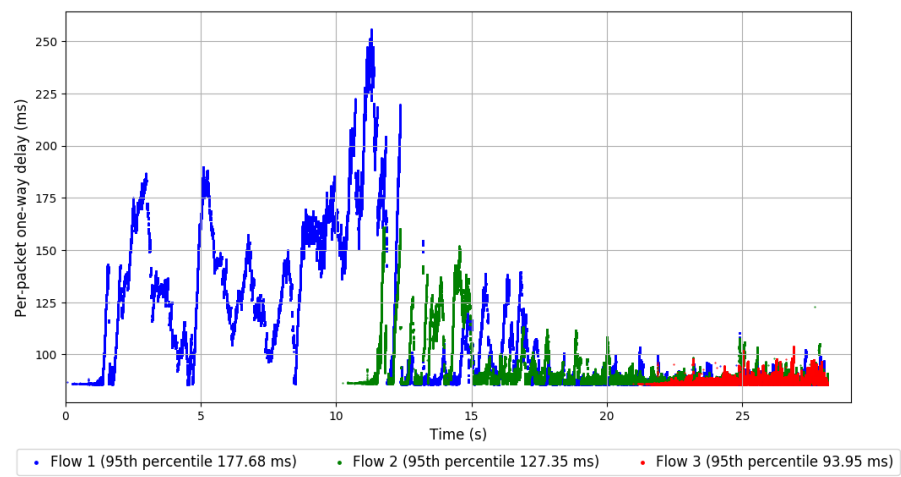
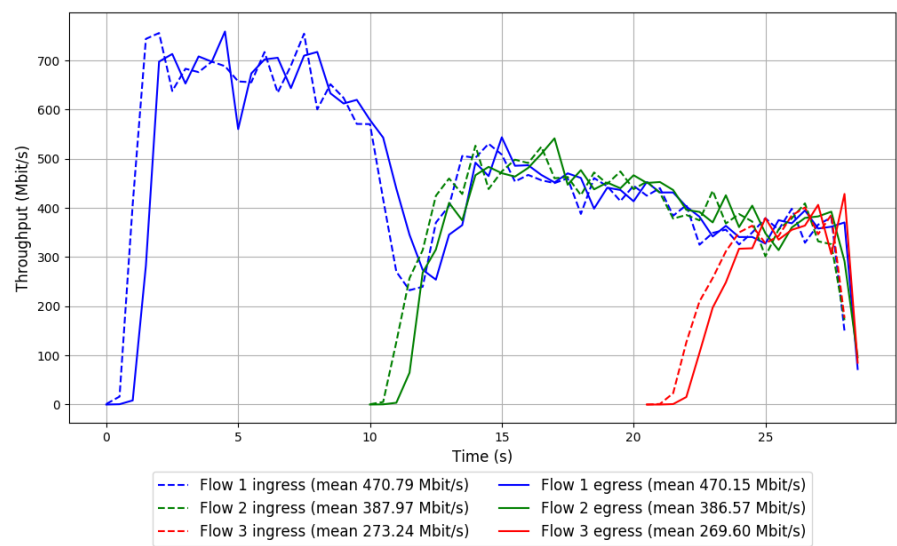
-- Flow 3:

Average throughput: 269.60 Mbit/s

95th percentile per-packet one-way delay: 93.948 ms

Loss rate: 3.65%

Run 4: Report of Indigo-MusesT — Data Link

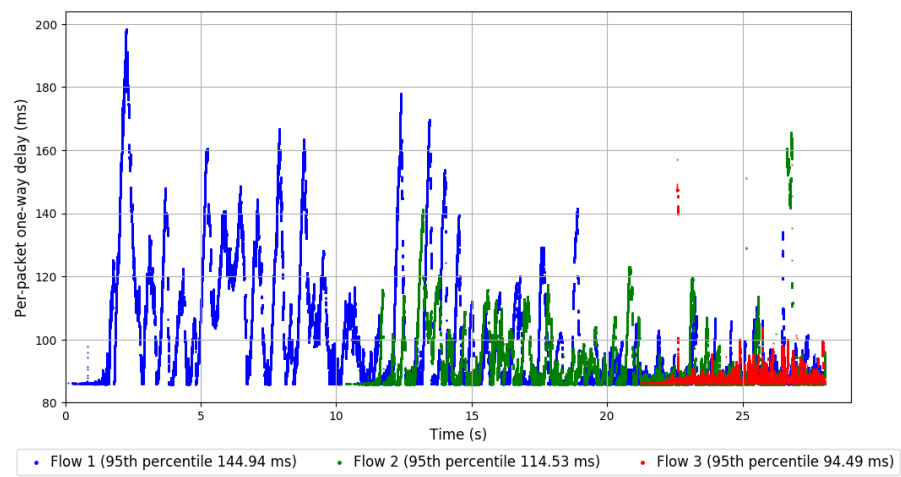
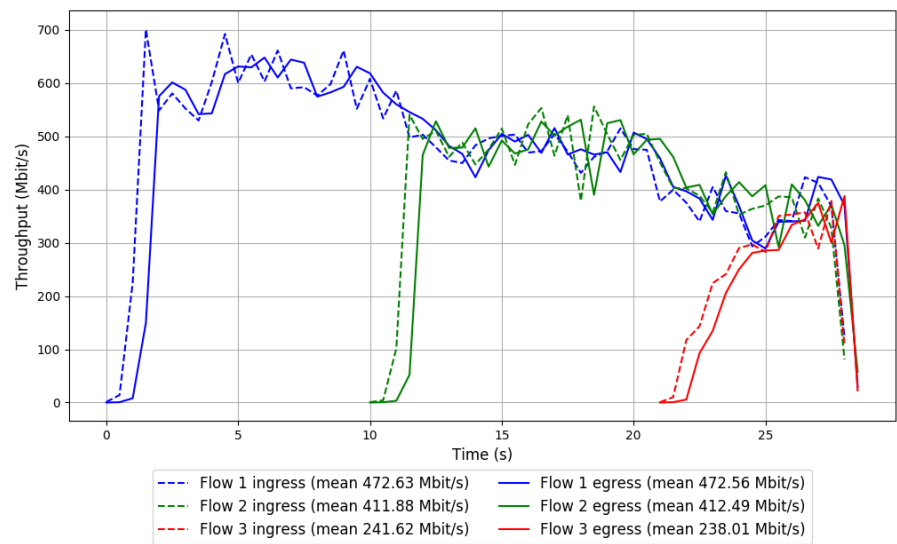


Run 5: Statistics of Indigo-MusesT

Start at: 2019-07-18 00:27:34
End at: 2019-07-18 00:28:04
Local clock offset: 0.049 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2019-07-18 02:33:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 795.18 Mbit/s
95th percentile per-packet one-way delay: 137.804 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 472.56 Mbit/s
95th percentile per-packet one-way delay: 144.938 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 412.49 Mbit/s
95th percentile per-packet one-way delay: 114.533 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 238.01 Mbit/s
95th percentile per-packet one-way delay: 94.486 ms
Loss rate: 3.93%

Run 5: Report of Indigo-MusesT — Data Link

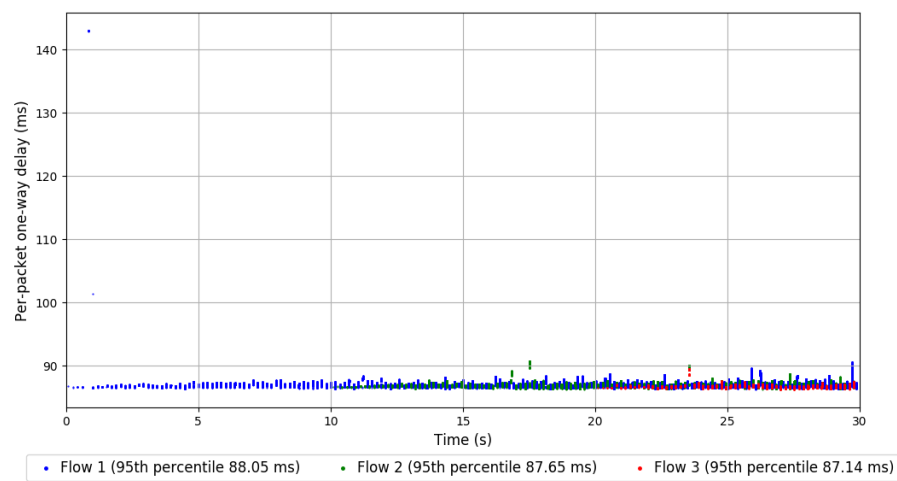
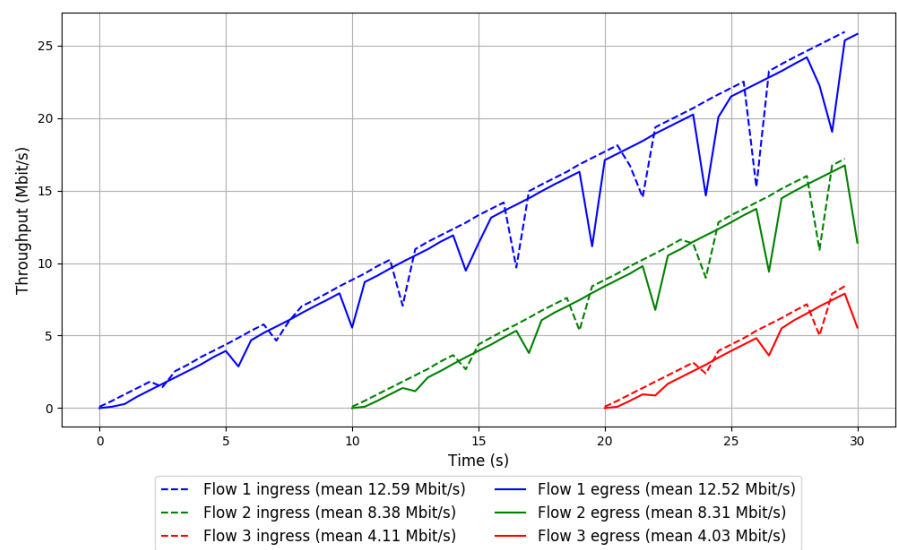


```
Run 1: Statistics of LEDBAT

Start at: 2019-07-17 21:34:27
End at: 2019-07-17 21:34:57
Local clock offset: 0.552 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2019-07-18 02:33:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.32 Mbit/s
95th percentile per-packet one-way delay: 87.917 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: 88.052 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 87.653 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 87.139 ms
Loss rate: 3.52%
```

Run 1: Report of LEDBAT — Data Link

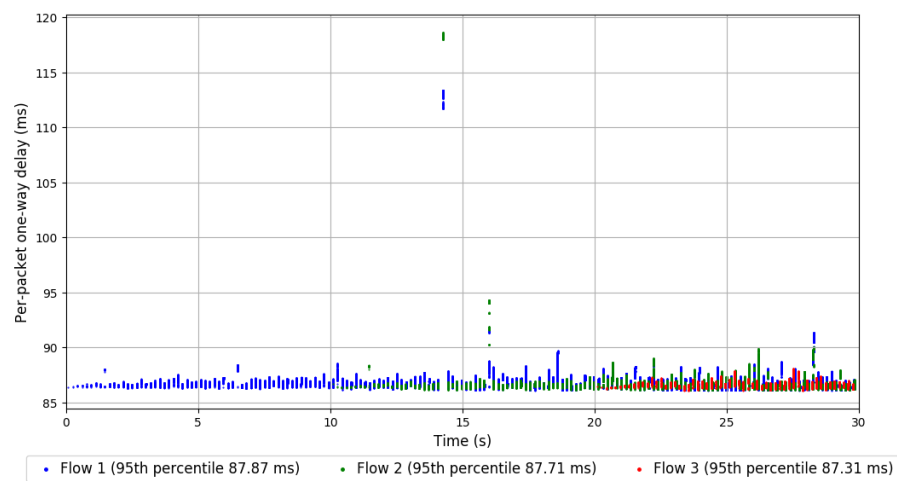
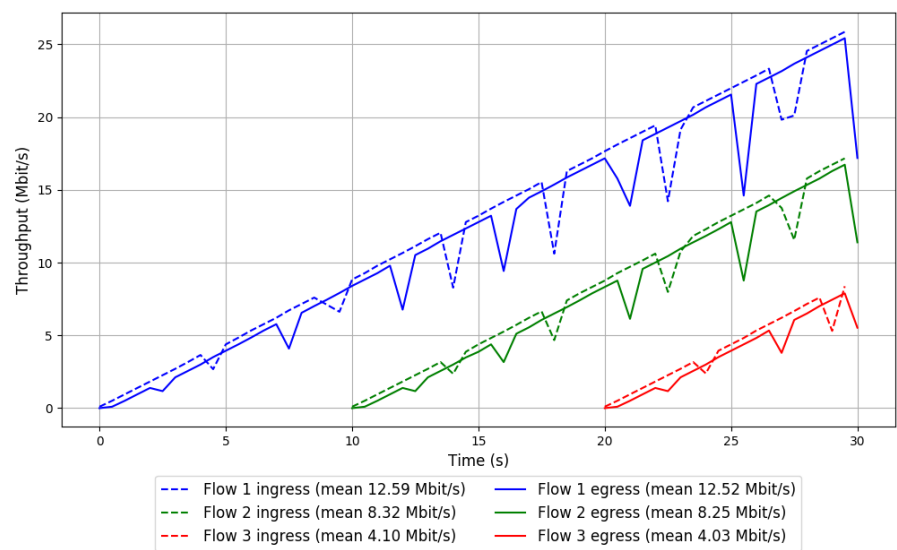


```
Run 2: Statistics of LEDBAT

Start at: 2019-07-17 22:16:14
End at: 2019-07-17 22:16:44
Local clock offset: 0.306 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2019-07-18 02:33:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.30 Mbit/s
95th percentile per-packet one-way delay: 87.801 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: 87.869 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 8.25 Mbit/s
95th percentile per-packet one-way delay: 87.713 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 87.308 ms
Loss rate: 3.52%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-07-17 22:58:26

End at: 2019-07-17 22:58:56

Local clock offset: 0.111 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2019-07-18 02:33:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.03 Mbit/s

95th percentile per-packet one-way delay: 87.649 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 12.52 Mbit/s

95th percentile per-packet one-way delay: 87.984 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 8.08 Mbit/s

95th percentile per-packet one-way delay: 87.026 ms

Loss rate: 1.78%

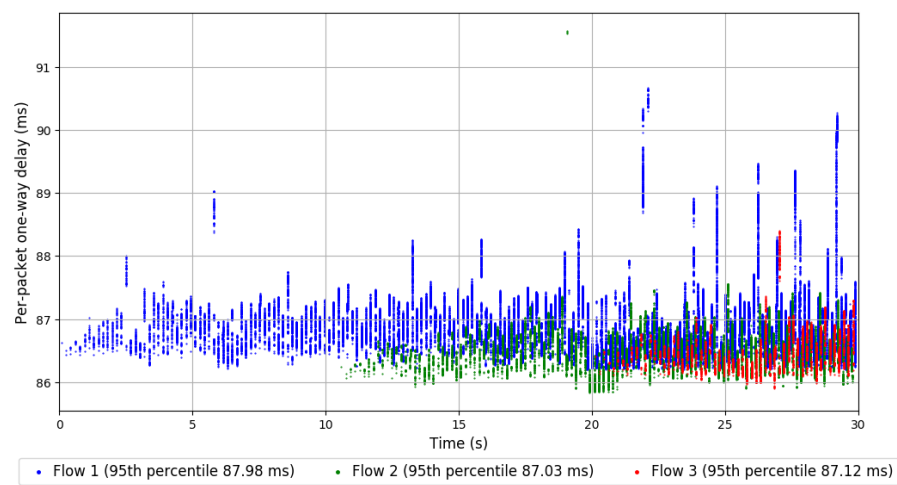
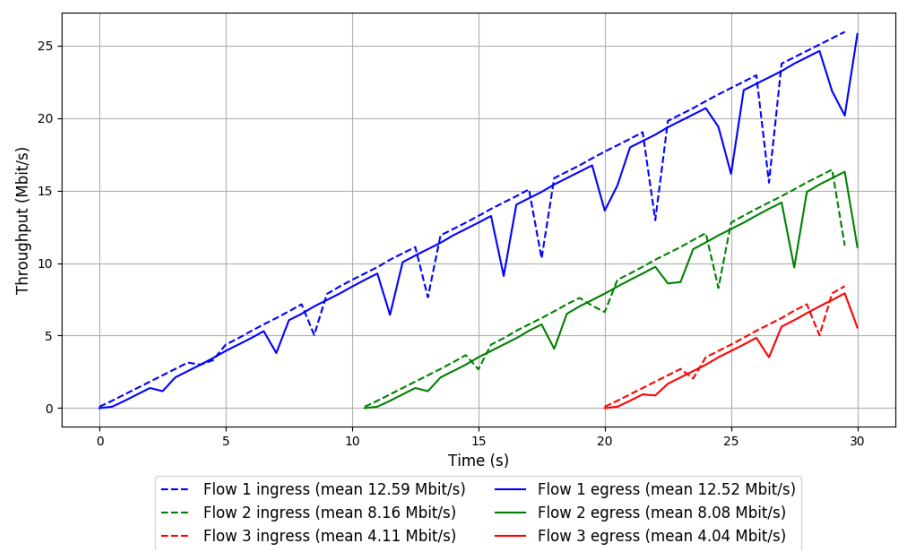
-- Flow 3:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 87.120 ms

Loss rate: 3.52%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-07-17 23:40:34

End at: 2019-07-17 23:41:04

Local clock offset: 0.377 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2019-07-18 02:33:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.75 Mbit/s

95th percentile per-packet one-way delay: 87.958 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 88.269 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 8.28 Mbit/s

95th percentile per-packet one-way delay: 87.567 ms

Loss rate: 1.74%

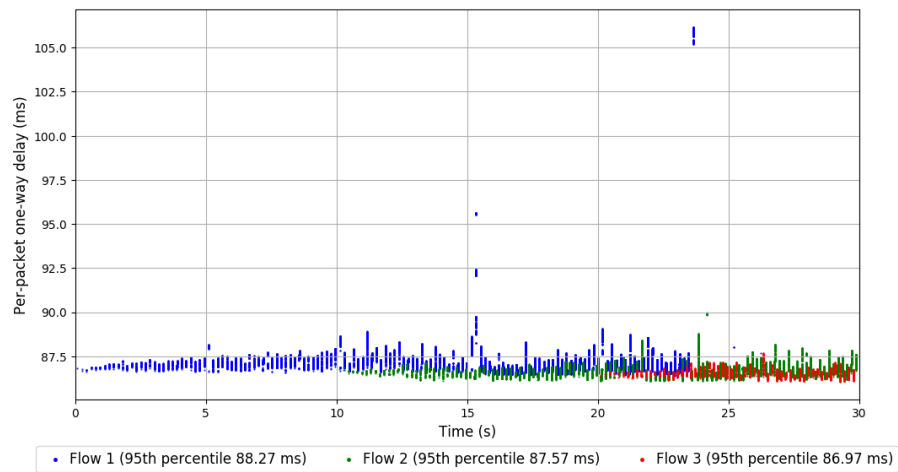
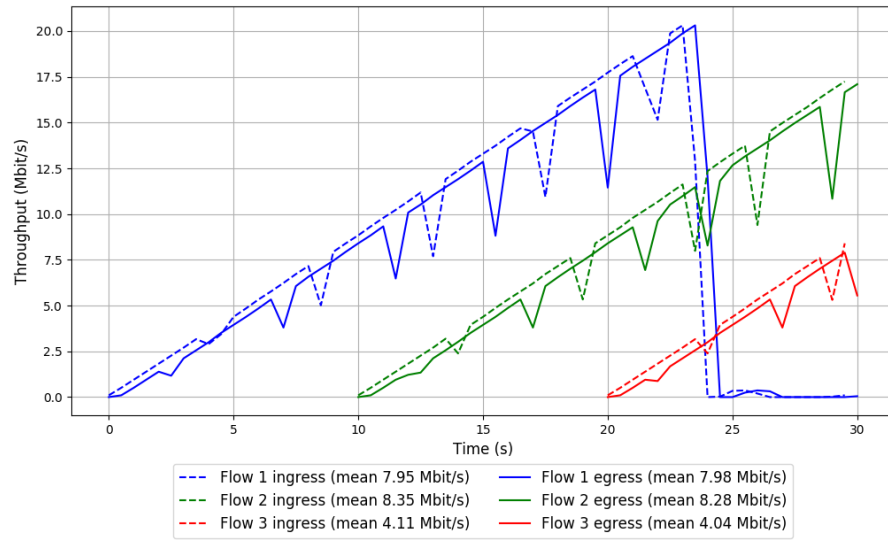
-- Flow 3:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 86.969 ms

Loss rate: 3.52%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-07-18 00:22:34

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

Local clock offset: 0.213 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2019-07-18 02:33:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.39 Mbit/s

95th percentile per-packet one-way delay: 87.334 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 12.56 Mbit/s

95th percentile per-packet one-way delay: 87.315 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 8.31 Mbit/s

95th percentile per-packet one-way delay: 87.344 ms

Loss rate: 1.74%

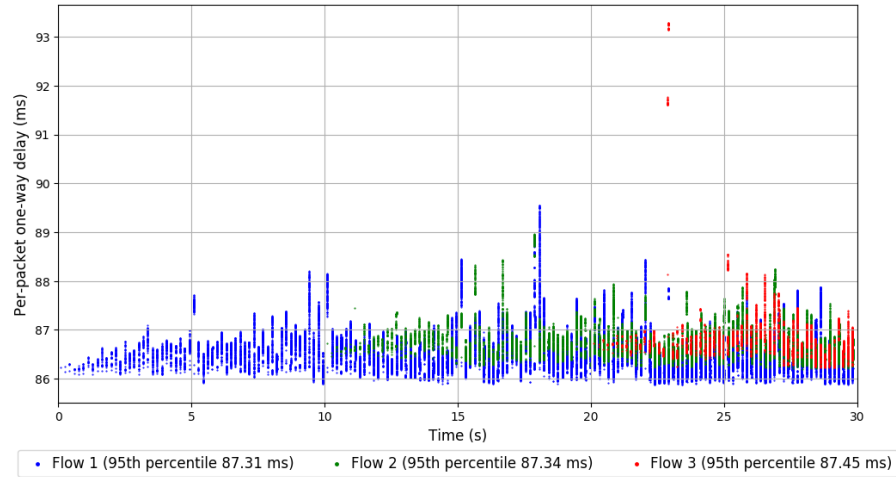
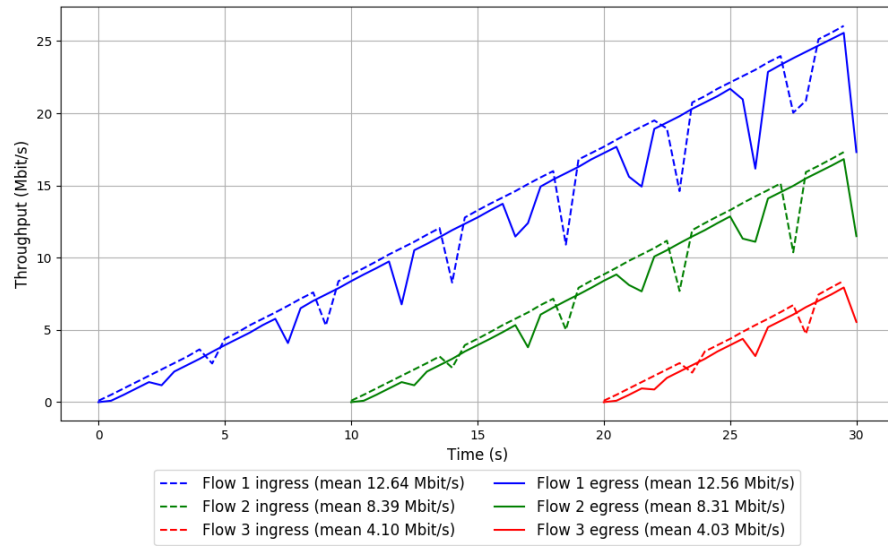
-- Flow 3:

Average throughput: 4.03 Mbit/s

95th percentile per-packet one-way delay: 87.454 ms

Loss rate: 3.51%

Run 5: Report of LEDBAT — Data Link

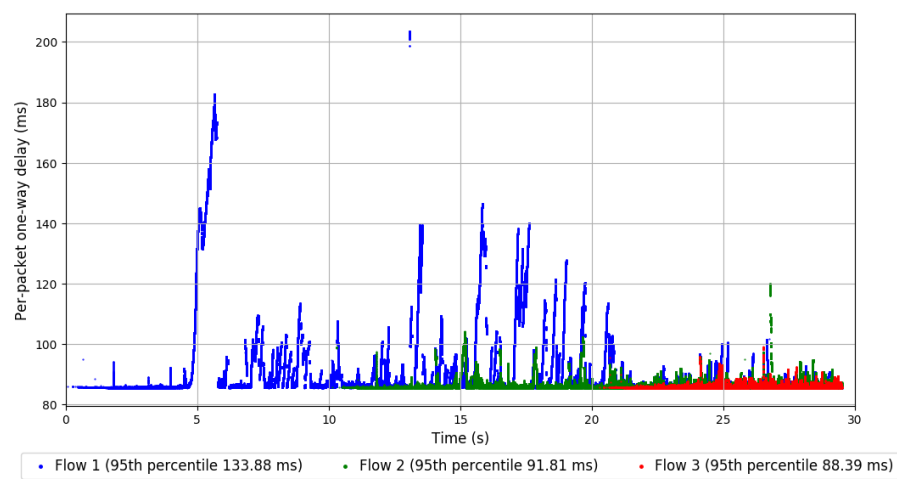
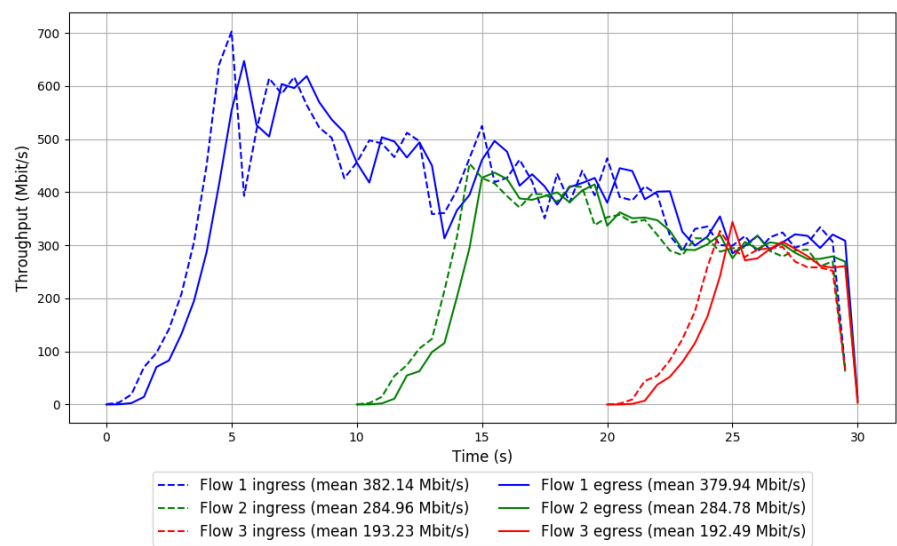


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-07-17 21:21:47
End at: 2019-07-17 21:22:17
Local clock offset: -0.215 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2019-07-18 02:34:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 627.84 Mbit/s
95th percentile per-packet one-way delay: 117.139 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 379.94 Mbit/s
95th percentile per-packet one-way delay: 133.884 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 284.78 Mbit/s
95th percentile per-packet one-way delay: 91.810 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 192.49 Mbit/s
95th percentile per-packet one-way delay: 88.390 ms
Loss rate: 2.40%
```

Run 1: Report of Muses_DecisionTree — Data Link

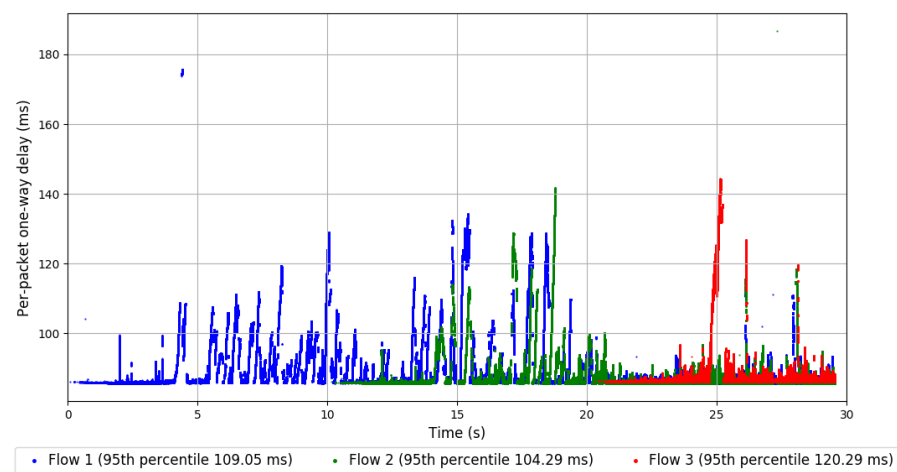
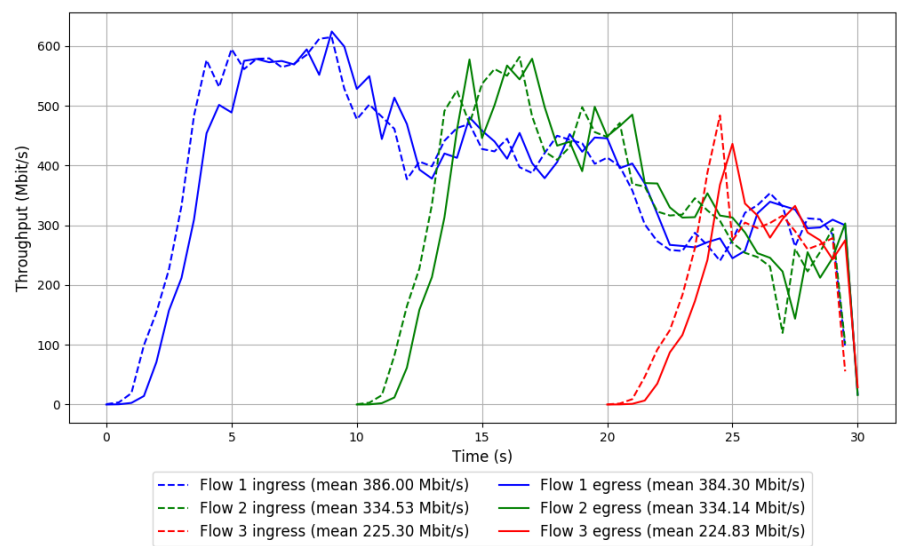


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-07-17 22:03:53
End at: 2019-07-17 22:04:23
Local clock offset: -0.046 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-07-18 02:36:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 674.77 Mbit/s
95th percentile per-packet one-way delay: 109.247 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 384.30 Mbit/s
95th percentile per-packet one-way delay: 109.048 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 334.14 Mbit/s
95th percentile per-packet one-way delay: 104.289 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 224.83 Mbit/s
95th percentile per-packet one-way delay: 120.290 ms
Loss rate: 2.05%

Run 2: Report of Muses_DecisionTree — Data Link

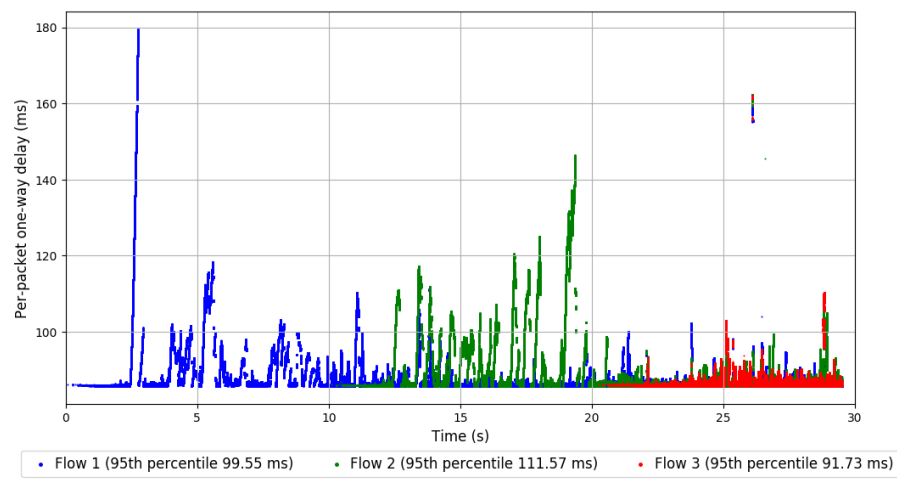
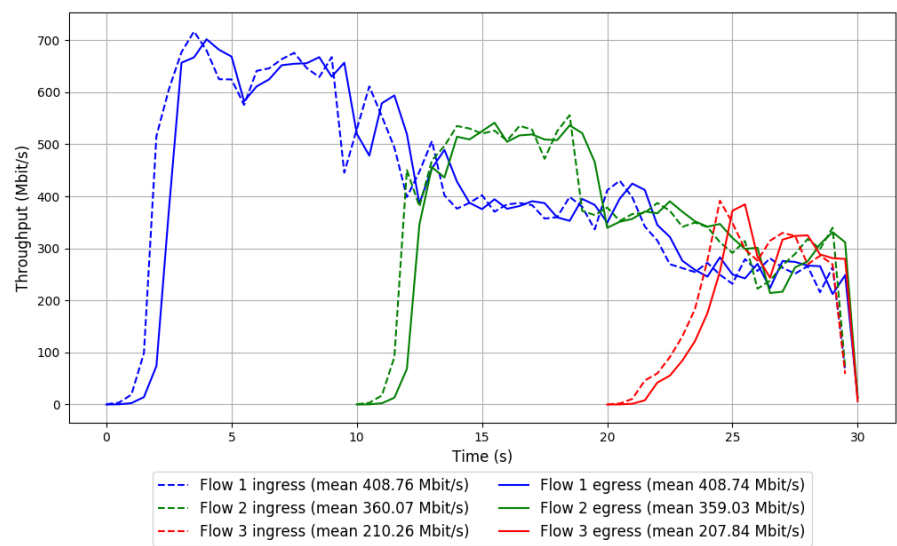


Run 3: Statistics of Muses_DecisionTree

Start at: 2019-07-17 22:45:31
End at: 2019-07-17 22:46:01
Local clock offset: -0.055 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2019-07-18 02:37:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 710.86 Mbit/s
95th percentile per-packet one-way delay: 104.969 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 408.74 Mbit/s
95th percentile per-packet one-way delay: 99.550 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 359.03 Mbit/s
95th percentile per-packet one-way delay: 111.573 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 207.84 Mbit/s
95th percentile per-packet one-way delay: 91.731 ms
Loss rate: 2.97%

Run 3: Report of Muses_DecisionTree — Data Link

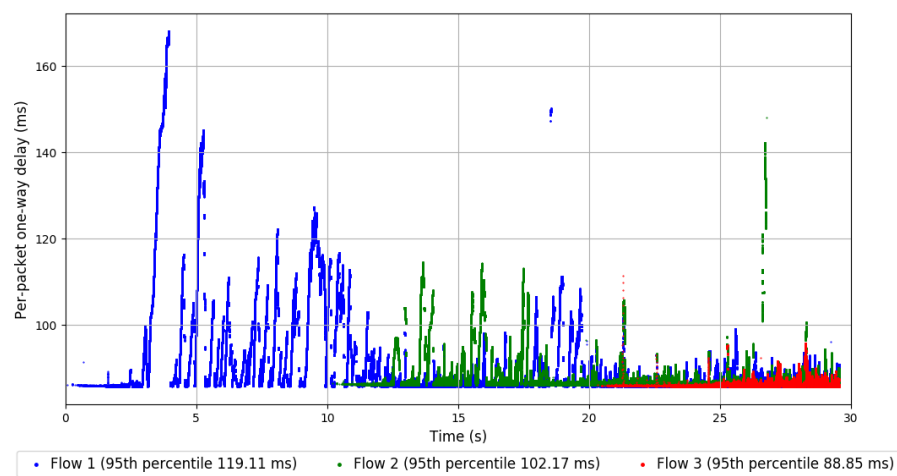
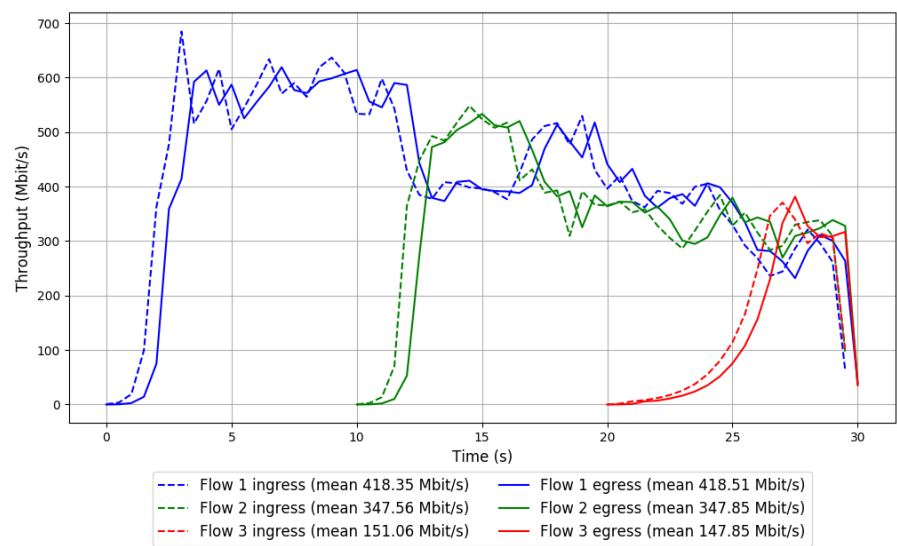


Run 4: Statistics of Muses_DecisionTree

Start at: 2019-07-17 23:28:09
End at: 2019-07-17 23:28:39
Local clock offset: 0.008 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2019-07-18 02:40:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 693.52 Mbit/s
95th percentile per-packet one-way delay: 112.829 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 418.51 Mbit/s
95th percentile per-packet one-way delay: 119.109 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 347.85 Mbit/s
95th percentile per-packet one-way delay: 102.168 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 147.85 Mbit/s
95th percentile per-packet one-way delay: 88.846 ms
Loss rate: 3.95%

Run 4: Report of Muses_DecisionTree — Data Link

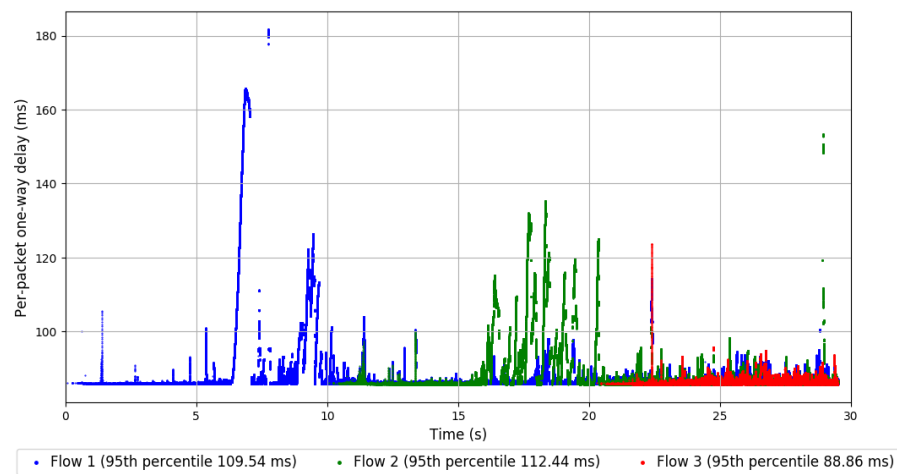
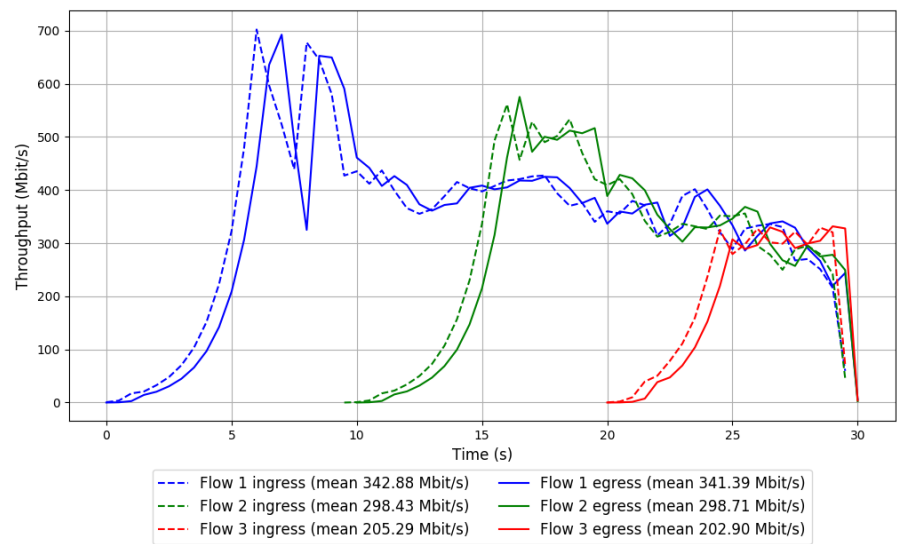


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-07-18 00:09:50
End at: 2019-07-18 00:10:20
Local clock offset: -0.023 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2019-07-18 02:41:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 602.42 Mbit/s
95th percentile per-packet one-way delay: 109.228 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 341.39 Mbit/s
95th percentile per-packet one-way delay: 109.538 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 298.71 Mbit/s
95th percentile per-packet one-way delay: 112.444 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 202.90 Mbit/s
95th percentile per-packet one-way delay: 88.857 ms
Loss rate: 2.98%

Run 5: Report of Muses_DecisionTree — Data Link

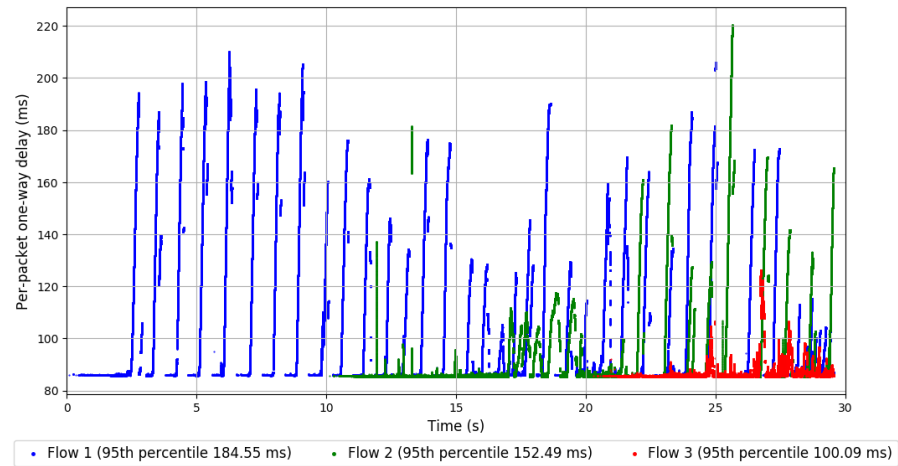
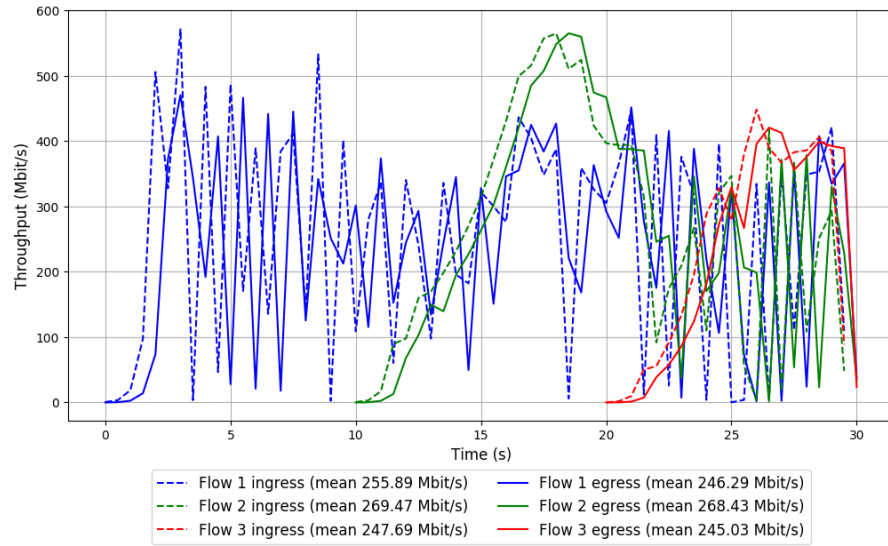



```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 21:35:44
End at: 2019-07-17 21:36:14
Local clock offset: -0.27 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2019-07-18 02:41:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 500.23 Mbit/s
95th percentile per-packet one-way delay: 175.181 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 246.29 Mbit/s
95th percentile per-packet one-way delay: 184.553 ms
Loss rate: 4.32%
-- Flow 2:
Average throughput: 268.43 Mbit/s
95th percentile per-packet one-way delay: 152.488 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 245.03 Mbit/s
95th percentile per-packet one-way delay: 100.091 ms
Loss rate: 2.91%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

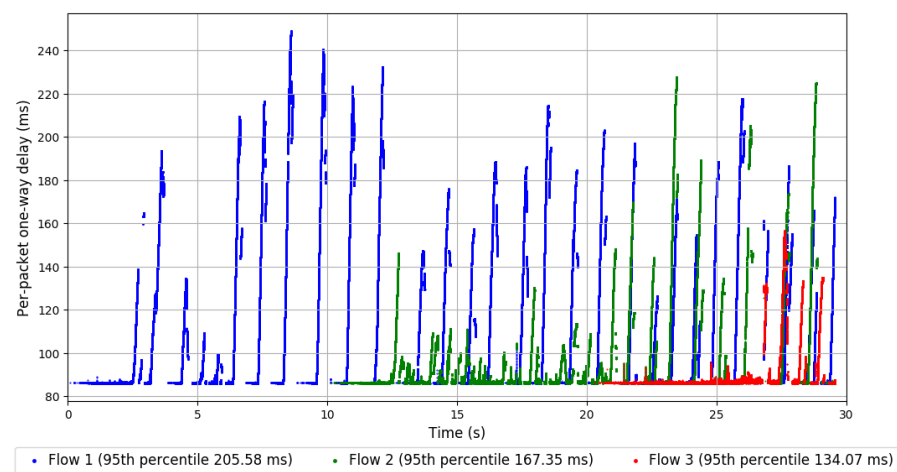
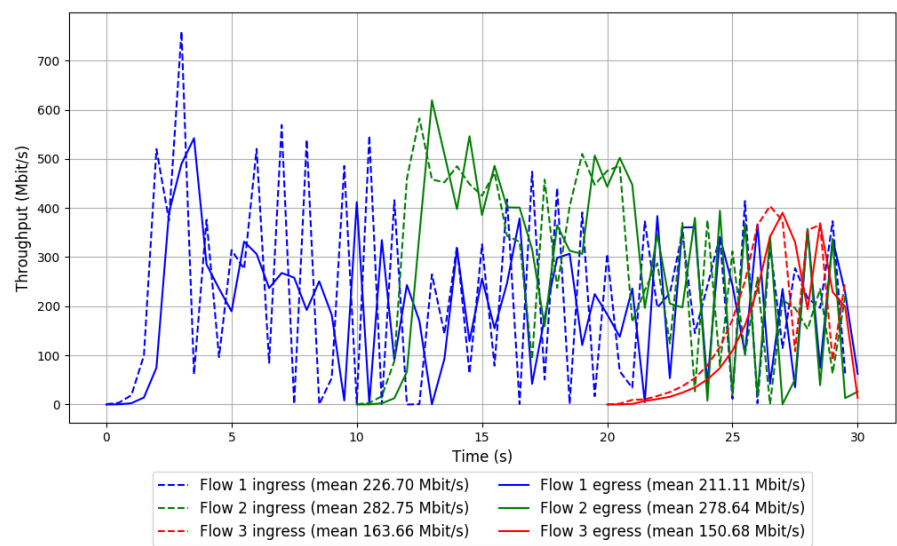


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-17 22:17:31
End at: 2019-07-17 22:18:01
Local clock offset: 0.192 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-07-18 02:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 442.27 Mbit/s
95th percentile per-packet one-way delay: 195.127 ms
Loss rate: 5.46%
-- Flow 1:
Average throughput: 211.11 Mbit/s
95th percentile per-packet one-way delay: 205.577 ms
Loss rate: 7.10%
-- Flow 2:
Average throughput: 278.64 Mbit/s
95th percentile per-packet one-way delay: 167.354 ms
Loss rate: 2.33%
-- Flow 3:
Average throughput: 150.68 Mbit/s
95th percentile per-packet one-way delay: 134.073 ms
Loss rate: 9.62%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

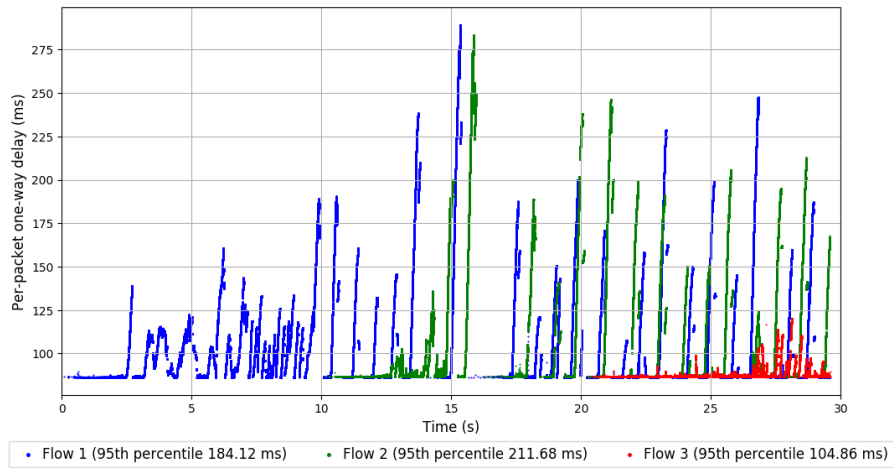
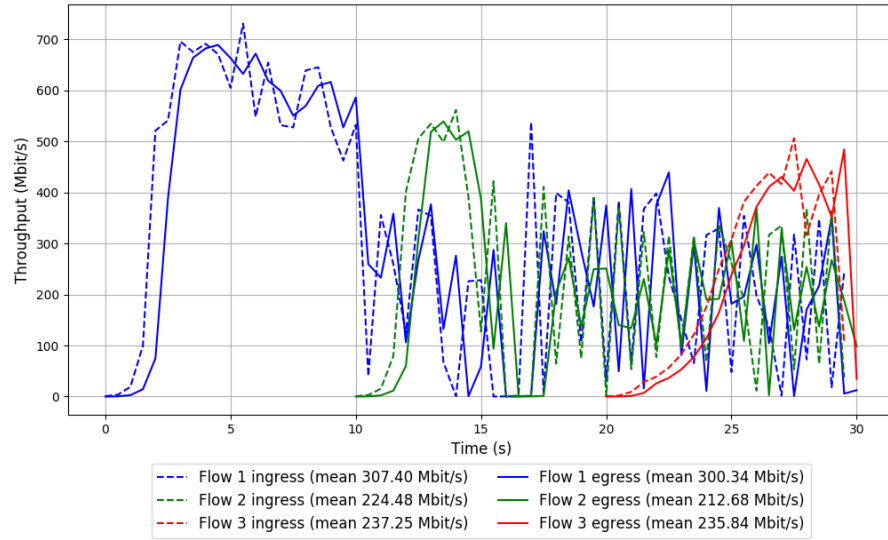


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-17 22:59:43
End at: 2019-07-17 23:00:13
Local clock offset: 0.336 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2019-07-18 02:44:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 514.73 Mbit/s
95th percentile per-packet one-way delay: 188.984 ms
Loss rate: 3.53%
-- Flow 1:
Average throughput: 300.34 Mbit/s
95th percentile per-packet one-way delay: 184.120 ms
Loss rate: 2.86%
-- Flow 2:
Average throughput: 212.68 Mbit/s
95th percentile per-packet one-way delay: 211.681 ms
Loss rate: 5.52%
-- Flow 3:
Average throughput: 235.84 Mbit/s
95th percentile per-packet one-way delay: 104.861 ms
Loss rate: 2.40%

Run 3: Report of Muses_DecisionTreeH0 — Data Link

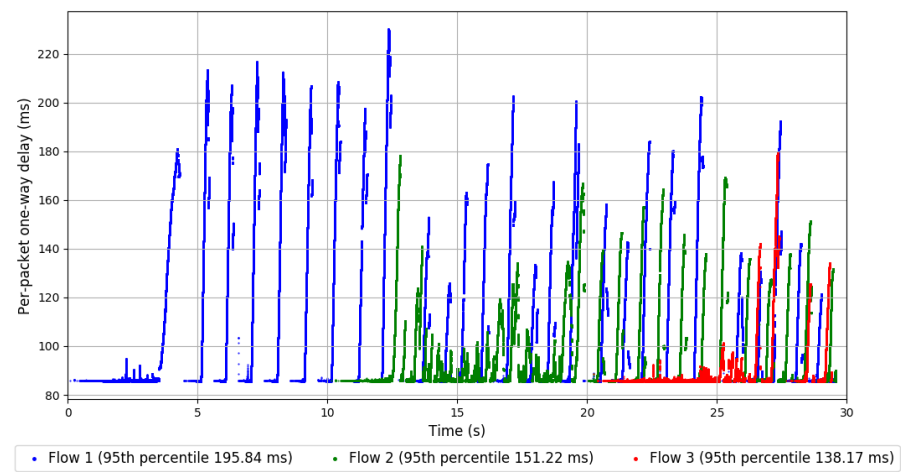
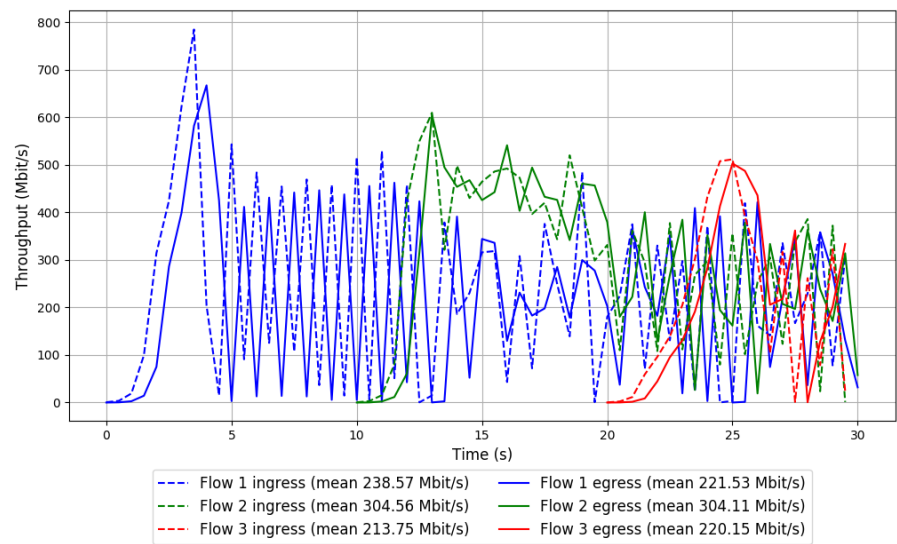


Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-17 23:41:51
End at: 2019-07-17 23:42:21
Local clock offset: -0.23 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2019-07-18 02:45:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 490.44 Mbit/s
95th percentile per-packet one-way delay: 180.958 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 221.53 Mbit/s
95th percentile per-packet one-way delay: 195.845 ms
Loss rate: 7.68%
-- Flow 2:
Average throughput: 304.11 Mbit/s
95th percentile per-packet one-way delay: 151.216 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 220.15 Mbit/s
95th percentile per-packet one-way delay: 138.166 ms
Loss rate: 0.58%

Run 4: Report of Muses_DecisionTreeH0 — Data Link

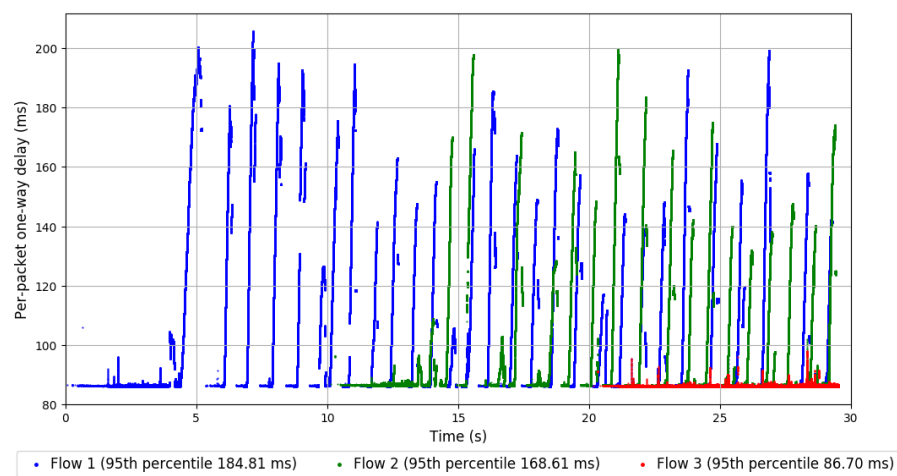
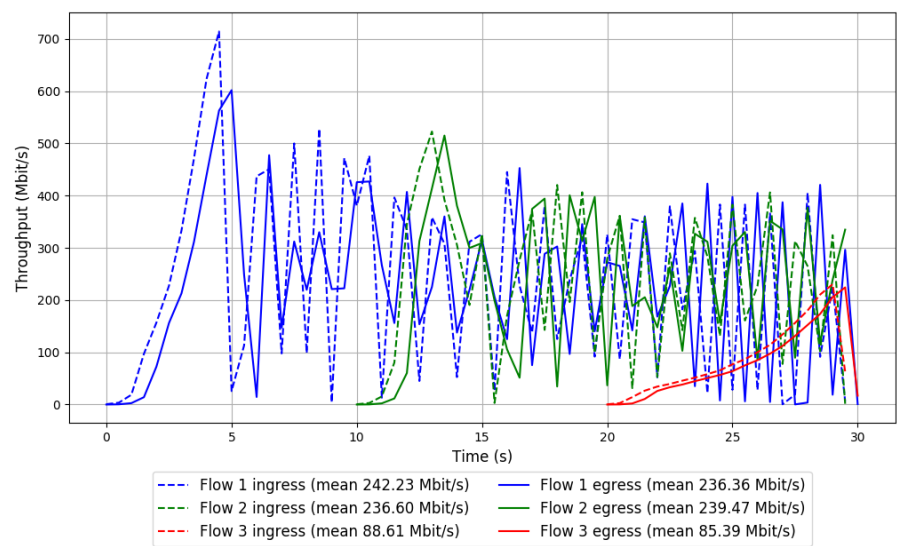


Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 00:23:51
End at: 2019-07-18 00:24:21
Local clock offset: 0.416 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-07-18 02:45:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 420.42 Mbit/s
95th percentile per-packet one-way delay: 180.888 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 236.36 Mbit/s
95th percentile per-packet one-way delay: 184.815 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 239.47 Mbit/s
95th percentile per-packet one-way delay: 168.608 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 85.39 Mbit/s
95th percentile per-packet one-way delay: 86.700 ms
Loss rate: 5.37%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

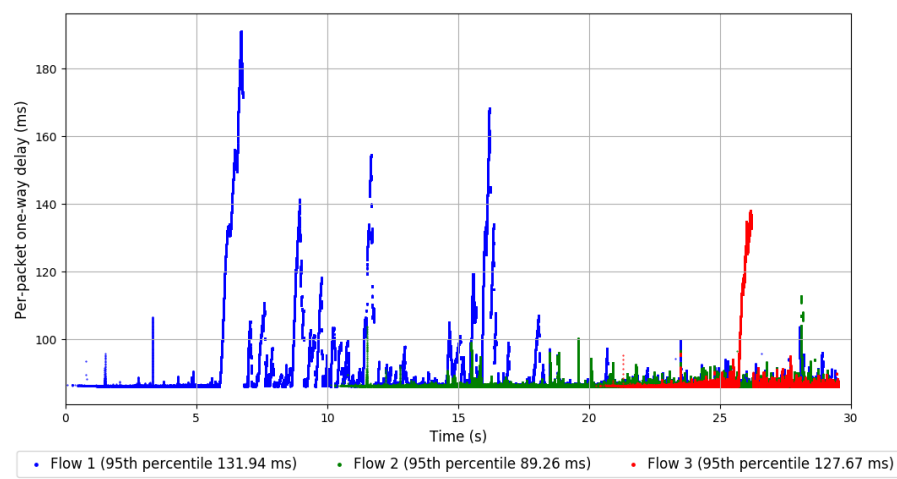
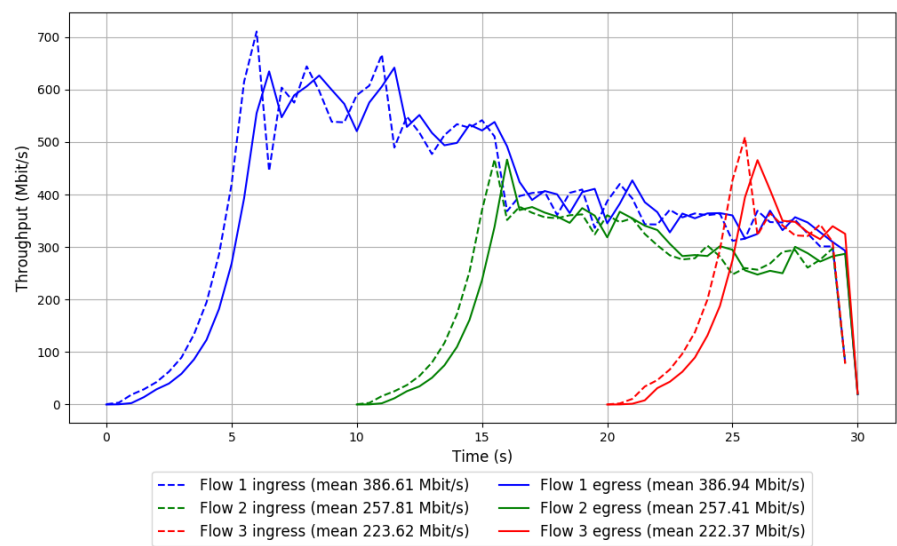


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 21:19:58
End at: 2019-07-17 21:20:28
Local clock offset: 0.401 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2019-07-18 02:49:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 626.41 Mbit/s
95th percentile per-packet one-way delay: 121.944 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 386.94 Mbit/s
95th percentile per-packet one-way delay: 131.944 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 257.41 Mbit/s
95th percentile per-packet one-way delay: 89.256 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 222.37 Mbit/s
95th percentile per-packet one-way delay: 127.667 ms
Loss rate: 2.39%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

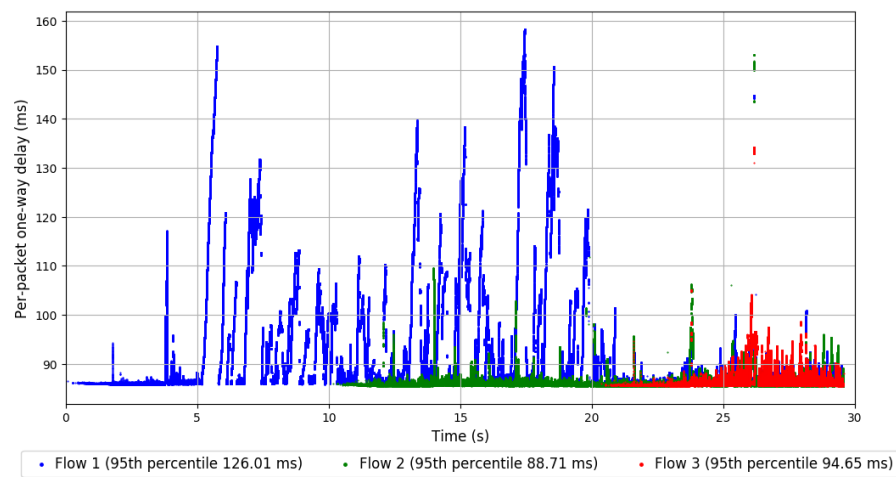
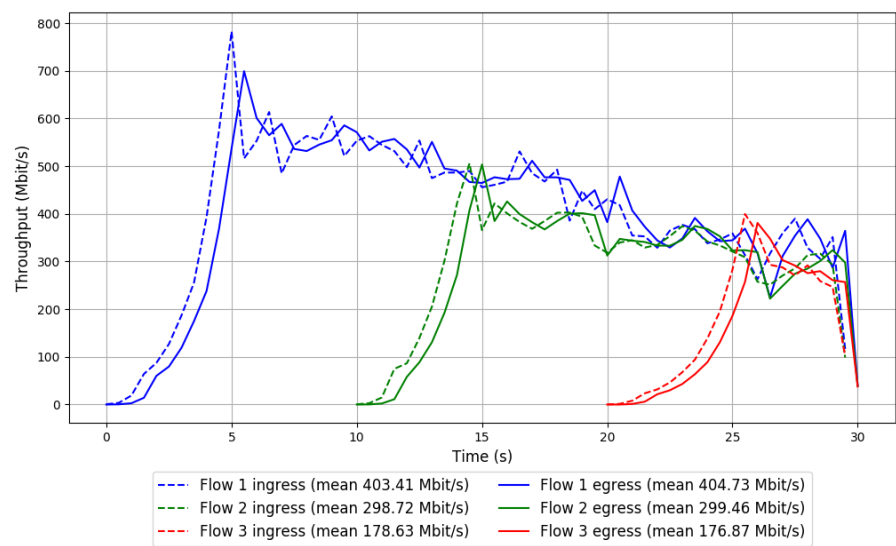


Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-17 22:02:01
End at: 2019-07-17 22:02:31
Local clock offset: -0.338 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-07-18 02:53:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 657.09 Mbit/s
95th percentile per-packet one-way delay: 118.464 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 404.73 Mbit/s
95th percentile per-packet one-way delay: 126.012 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 299.46 Mbit/s
95th percentile per-packet one-way delay: 88.709 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 176.87 Mbit/s
95th percentile per-packet one-way delay: 94.647 ms
Loss rate: 4.07%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-17 22:43:47

End at: 2019-07-17 22:44:17

Local clock offset: 0.269 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2019-07-18 02:53:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 533.81 Mbit/s

95th percentile per-packet one-way delay: 110.704 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 448.91 Mbit/s

95th percentile per-packet one-way delay: 112.332 ms

Loss rate: 0.90%

-- Flow 2:

Average throughput: 40.97 Mbit/s

95th percentile per-packet one-way delay: 87.526 ms

Loss rate: 3.74%

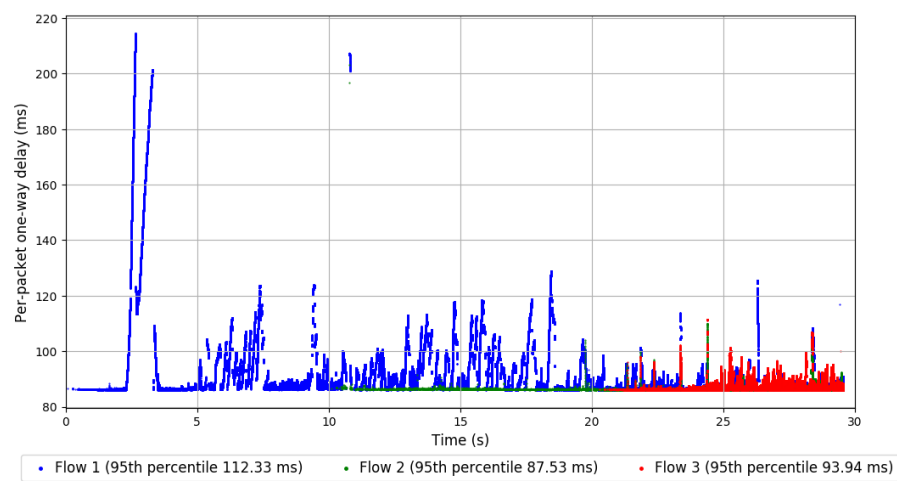
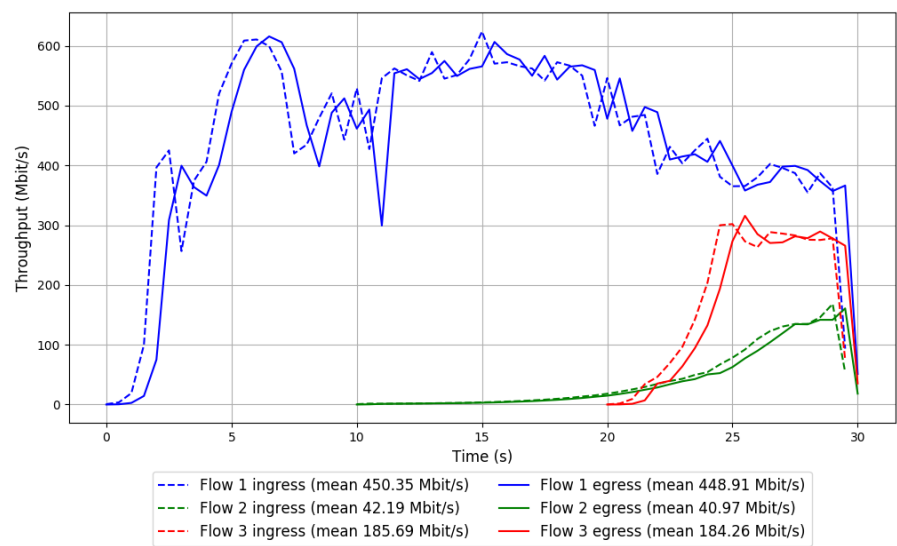
-- Flow 3:

Average throughput: 184.26 Mbit/s

95th percentile per-packet one-way delay: 93.935 ms

Loss rate: 2.59%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

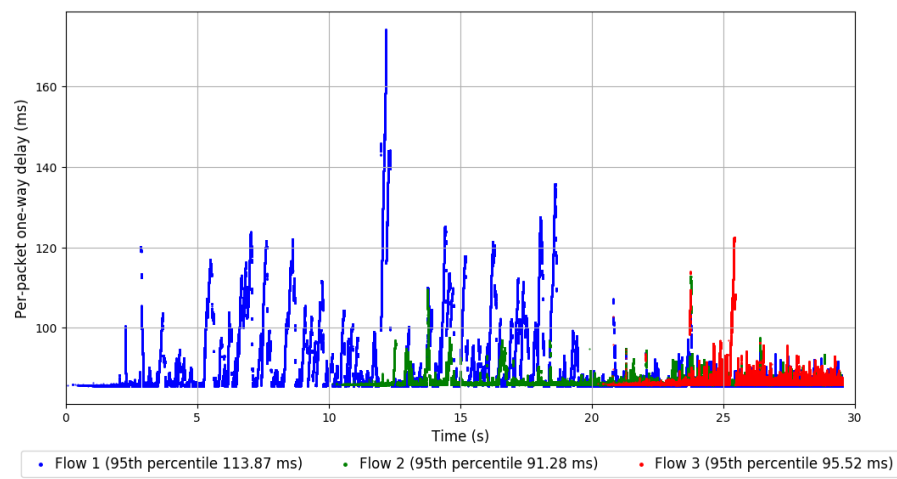
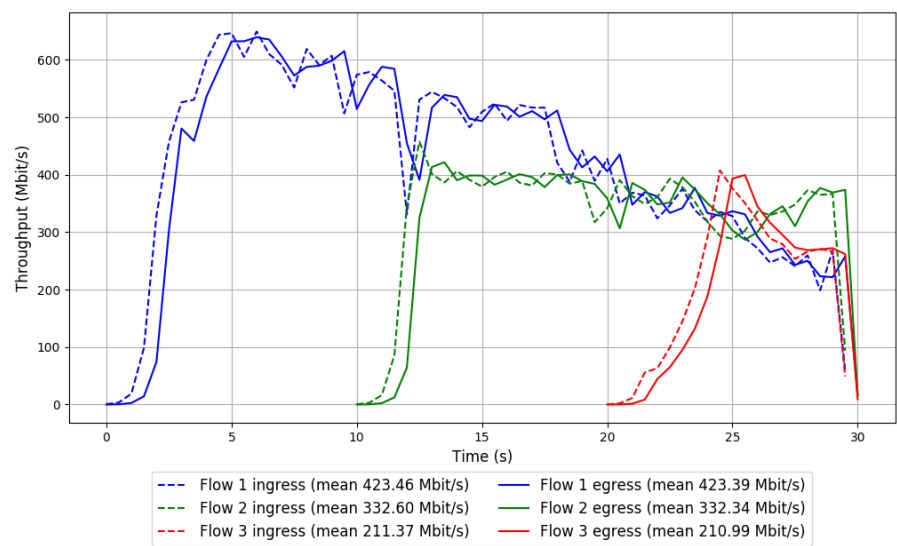


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-17 23:26:15
End at: 2019-07-17 23:26:45
Local clock offset: -0.242 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-07-18 02:54:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 708.89 Mbit/s
95th percentile per-packet one-way delay: 108.835 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 423.39 Mbit/s
95th percentile per-packet one-way delay: 113.871 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 332.34 Mbit/s
95th percentile per-packet one-way delay: 91.284 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 210.99 Mbit/s
95th percentile per-packet one-way delay: 95.516 ms
Loss rate: 2.02%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

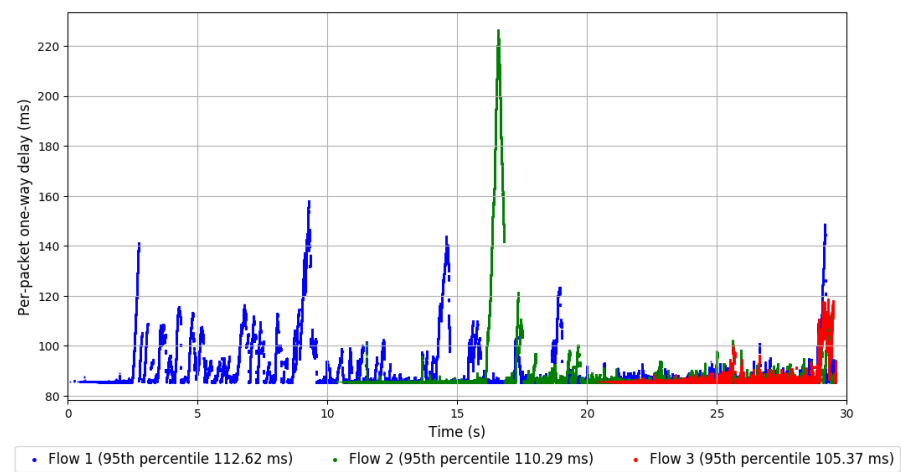
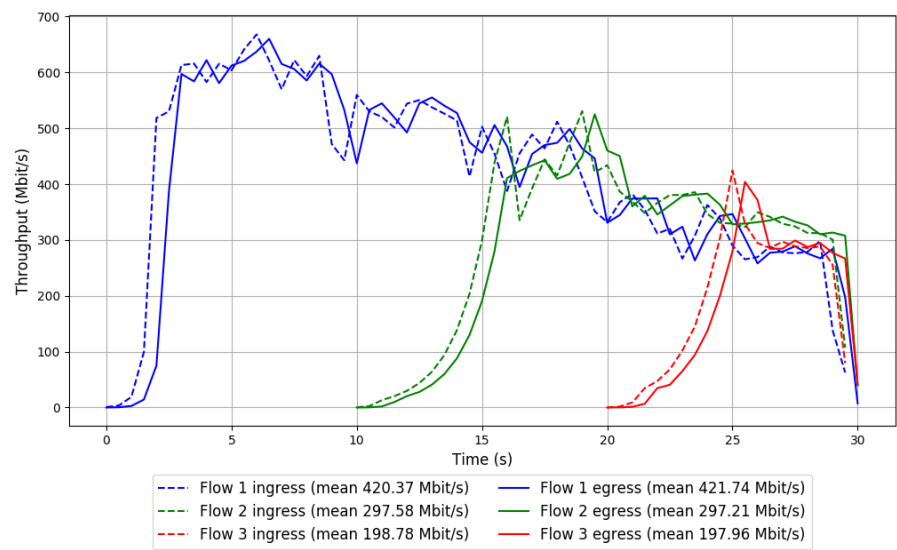


Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 00:07:58
End at: 2019-07-18 00:08:28
Local clock offset: -0.275 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-07-18 02:55:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 679.22 Mbit/s
95th percentile per-packet one-way delay: 111.694 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 421.74 Mbit/s
95th percentile per-packet one-way delay: 112.621 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 297.21 Mbit/s
95th percentile per-packet one-way delay: 110.291 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 197.96 Mbit/s
95th percentile per-packet one-way delay: 105.370 ms
Loss rate: 2.26%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

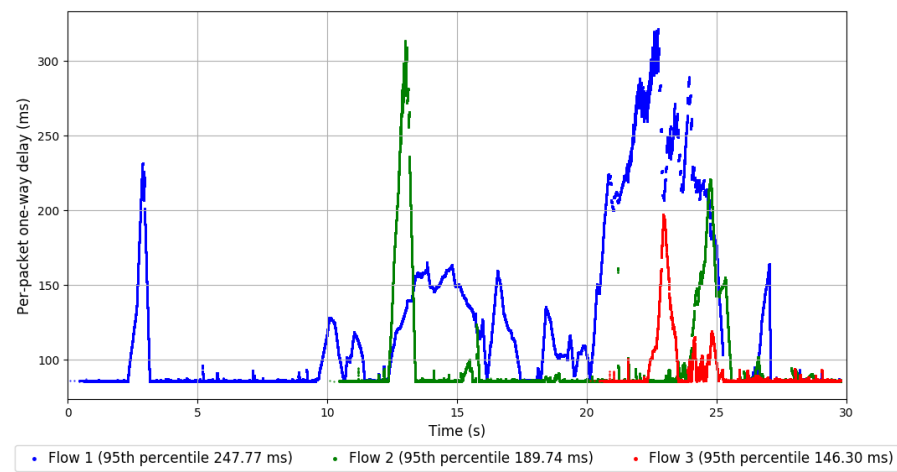
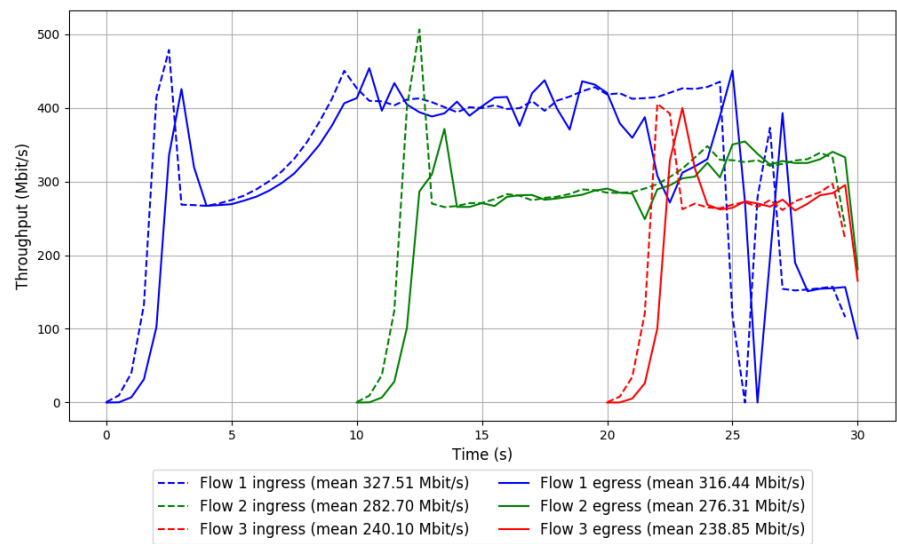


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-07-17 21:23:36
End at: 2019-07-17 21:24:06
Local clock offset: 0.062 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2019-07-18 03:06:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 577.29 Mbit/s
95th percentile per-packet one-way delay: 223.607 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 316.44 Mbit/s
95th percentile per-packet one-way delay: 247.766 ms
Loss rate: 3.95%
-- Flow 2:
Average throughput: 276.31 Mbit/s
95th percentile per-packet one-way delay: 189.738 ms
Loss rate: 3.11%
-- Flow 3:
Average throughput: 238.85 Mbit/s
95th percentile per-packet one-way delay: 146.297 ms
Loss rate: 2.28%
```

Run 1: Report of PCC-Allegro — Data Link

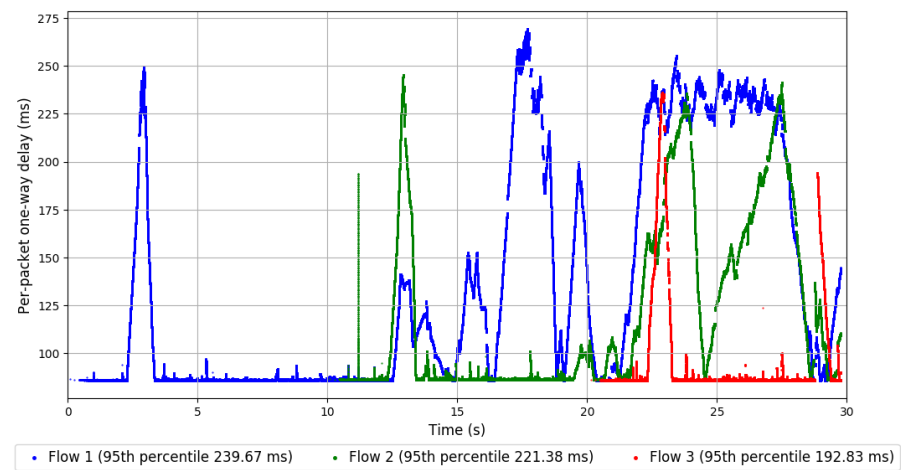
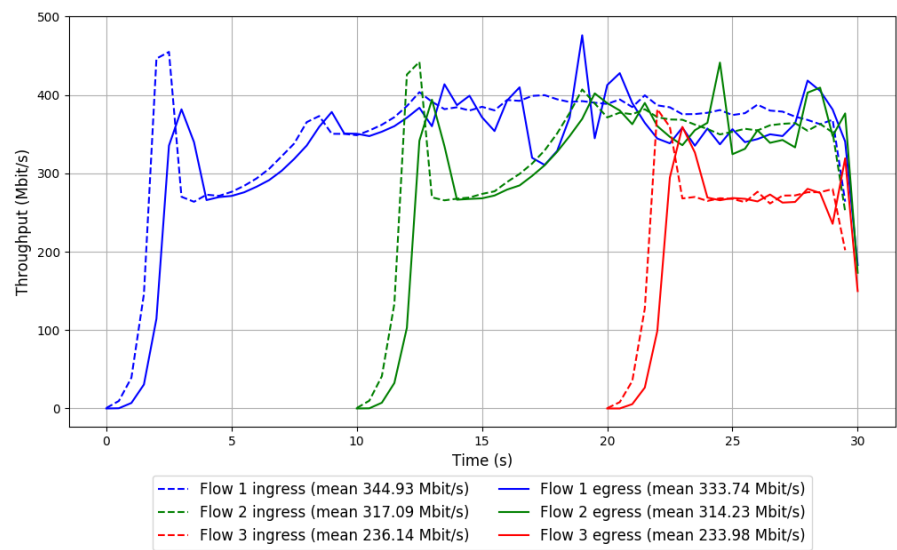


Run 2: Statistics of PCC-Allegro

Start at: 2019-07-17 22:05:47
End at: 2019-07-17 22:06:17
Local clock offset: -0.052 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-07-18 03:09:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 617.93 Mbit/s
95th percentile per-packet one-way delay: 235.553 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 333.74 Mbit/s
95th percentile per-packet one-way delay: 239.669 ms
Loss rate: 3.81%
-- Flow 2:
Average throughput: 314.23 Mbit/s
95th percentile per-packet one-way delay: 221.375 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 233.98 Mbit/s
95th percentile per-packet one-way delay: 192.826 ms
Loss rate: 2.66%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-07-17 22:47:25

End at: 2019-07-17 22:47:55

Local clock offset: -0.125 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2019-07-18 03:09:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 596.25 Mbit/s

95th percentile per-packet one-way delay: 281.126 ms

Loss rate: 4.34%

-- Flow 1:

Average throughput: 356.54 Mbit/s

95th percentile per-packet one-way delay: 267.761 ms

Loss rate: 3.40%

-- Flow 2:

Average throughput: 248.05 Mbit/s

95th percentile per-packet one-way delay: 373.784 ms

Loss rate: 5.71%

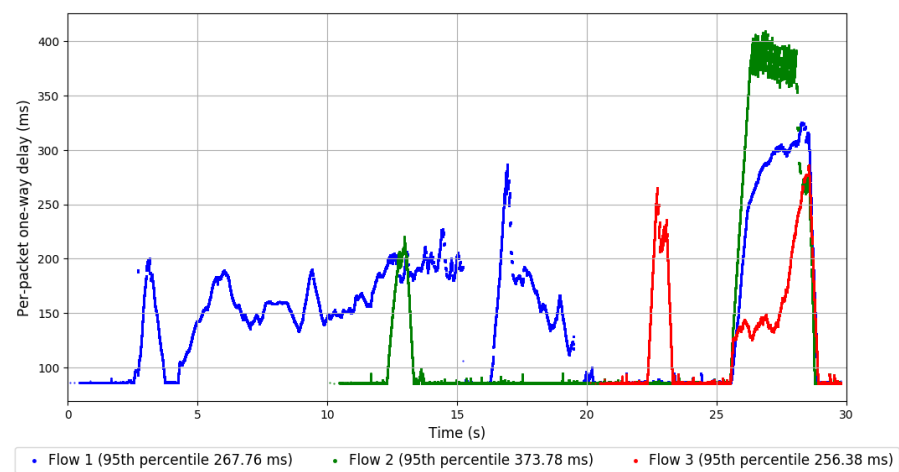
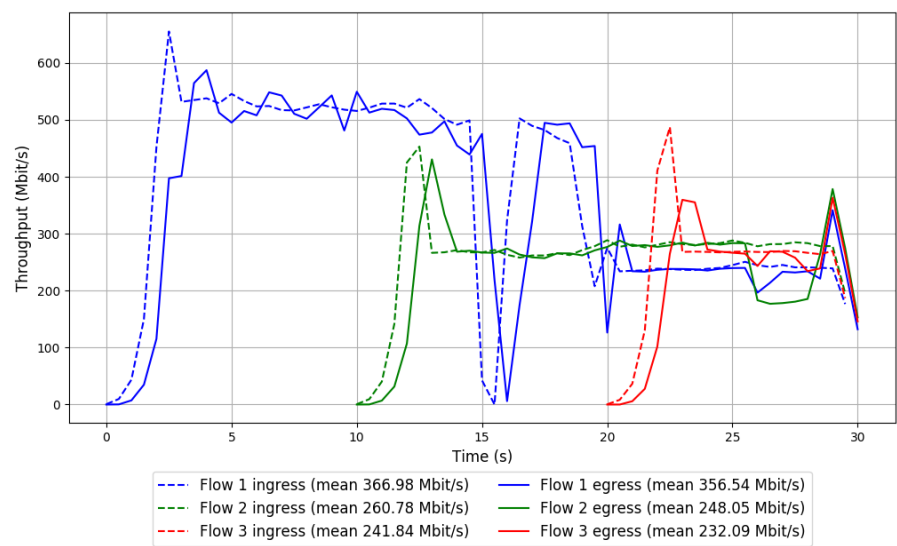
-- Flow 3:

Average throughput: 232.09 Mbit/s

95th percentile per-packet one-way delay: 256.380 ms

Loss rate: 5.72%

Run 3: Report of PCC-Allegro — Data Link

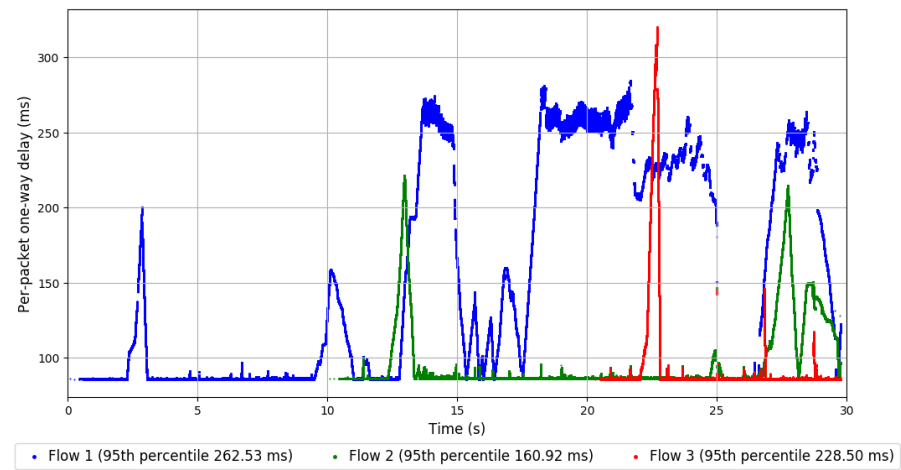
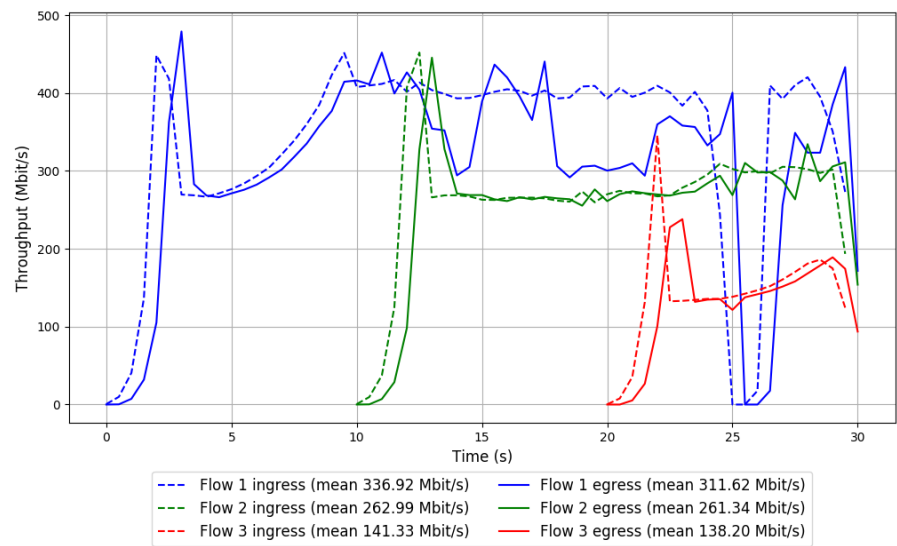


Run 4: Statistics of PCC-Allegro

Start at: 2019-07-17 23:30:03
End at: 2019-07-17 23:30:33
Local clock offset: -0.051 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2019-07-18 03:11:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 529.67 Mbit/s
95th percentile per-packet one-way delay: 258.963 ms
Loss rate: 5.65%
-- Flow 1:
Average throughput: 311.62 Mbit/s
95th percentile per-packet one-way delay: 262.533 ms
Loss rate: 8.05%
-- Flow 2:
Average throughput: 261.34 Mbit/s
95th percentile per-packet one-way delay: 160.920 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 138.20 Mbit/s
95th percentile per-packet one-way delay: 228.503 ms
Loss rate: 3.93%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-07-18 00:11:38

End at: 2019-07-18 00:12:08

Local clock offset: 0.424 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2019-07-18 03:14:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 584.02 Mbit/s

95th percentile per-packet one-way delay: 196.779 ms

Loss rate: 1.94%

-- Flow 1:

Average throughput: 316.97 Mbit/s

95th percentile per-packet one-way delay: 229.099 ms

Loss rate: 2.18%

-- Flow 2:

Average throughput: 287.69 Mbit/s

95th percentile per-packet one-way delay: 127.582 ms

Loss rate: 1.35%

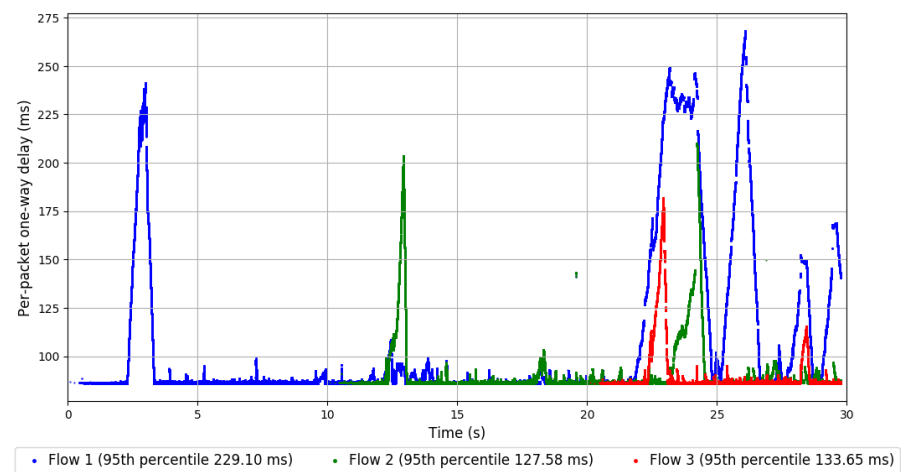
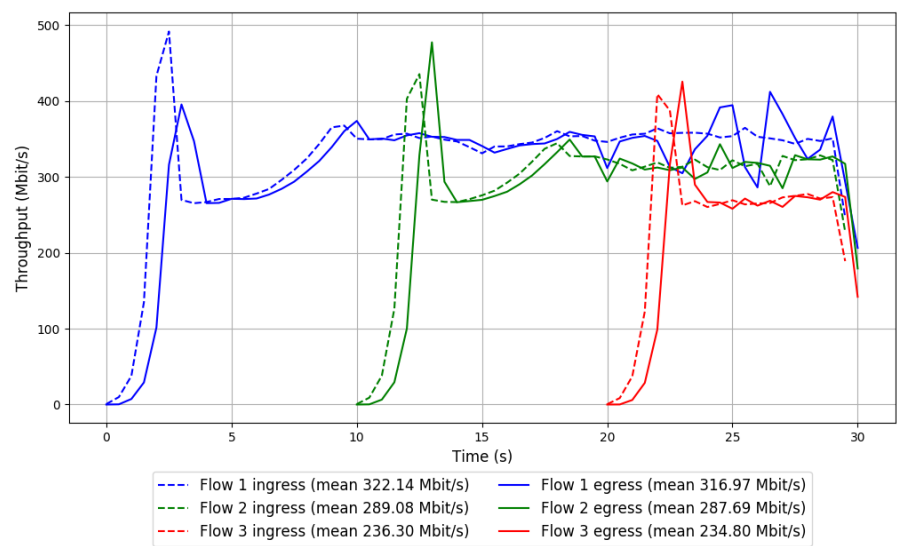
-- Flow 3:

Average throughput: 234.80 Mbit/s

95th percentile per-packet one-way delay: 133.645 ms

Loss rate: 2.39%

Run 5: Report of PCC-Allegro — Data Link

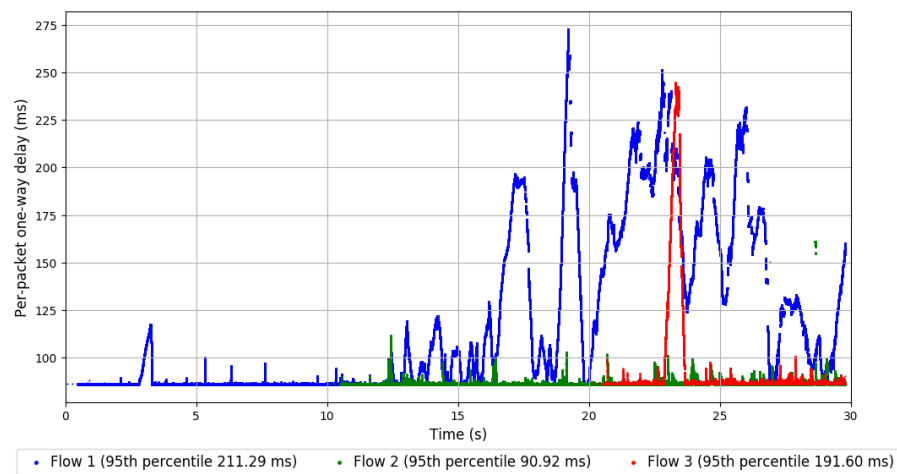
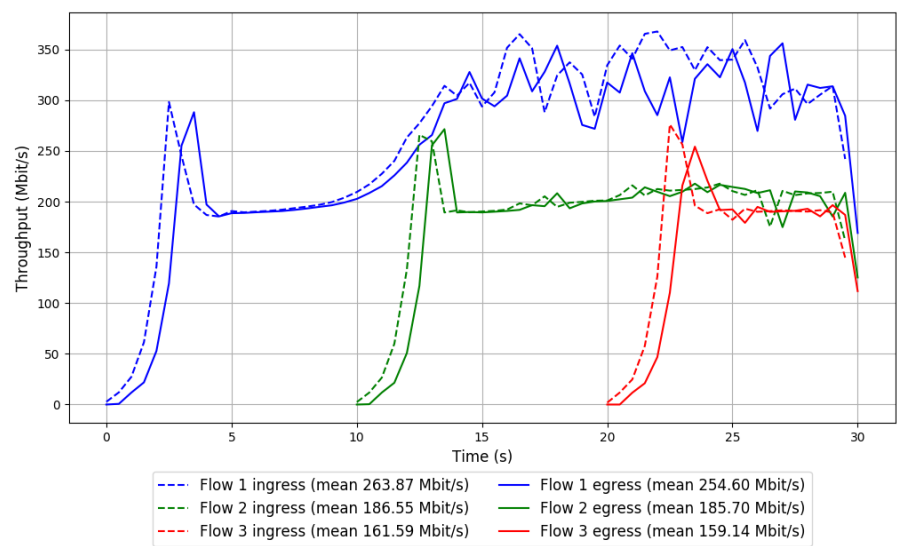


```
Run 1: Statistics of PCC-Expr

Start at: 2019-07-17 21:32:29
End at: 2019-07-17 21:32:59
Local clock offset: 0.253 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2019-07-18 03:14:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 429.57 Mbit/s
95th percentile per-packet one-way delay: 201.136 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 254.60 Mbit/s
95th percentile per-packet one-way delay: 211.286 ms
Loss rate: 4.07%
-- Flow 2:
Average throughput: 185.70 Mbit/s
95th percentile per-packet one-way delay: 90.917 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 159.14 Mbit/s
95th percentile per-packet one-way delay: 191.598 ms
Loss rate: 3.22%
```

Run 1: Report of PCC-Expr — Data Link

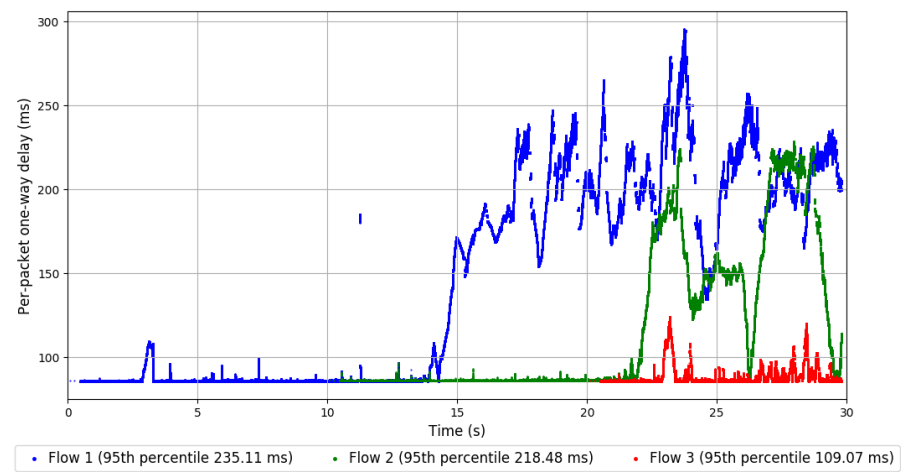
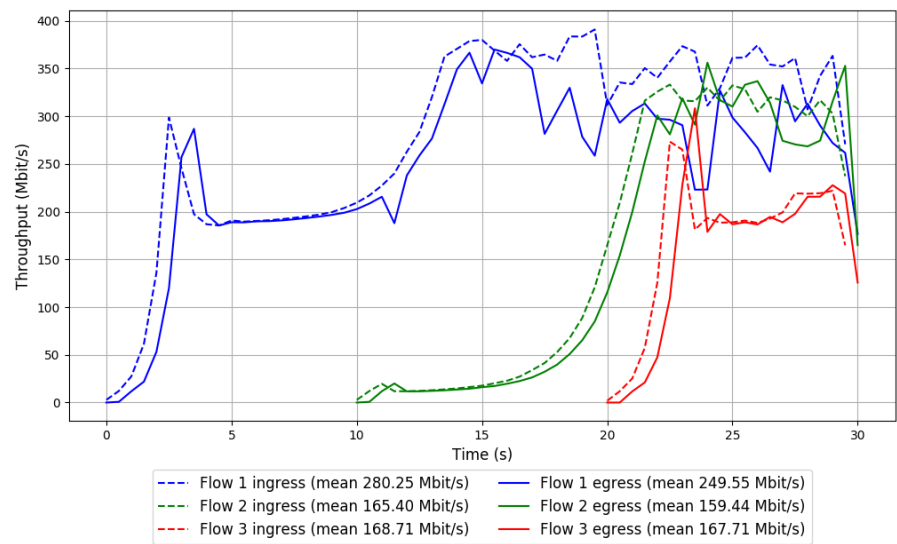



```
Run 2: Statistics of PCC-Expr

Start at: 2019-07-17 22:14:16
End at: 2019-07-17 22:14:46
Local clock offset: -0.089 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2019-07-18 03:14:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 409.99 Mbit/s
95th percentile per-packet one-way delay: 227.933 ms
Loss rate: 8.60%
-- Flow 1:
Average throughput: 249.55 Mbit/s
95th percentile per-packet one-way delay: 235.108 ms
Loss rate: 11.47%
-- Flow 2:
Average throughput: 159.44 Mbit/s
95th percentile per-packet one-way delay: 218.479 ms
Loss rate: 4.45%
-- Flow 3:
Average throughput: 167.71 Mbit/s
95th percentile per-packet one-way delay: 109.067 ms
Loss rate: 2.33%
```

Run 2: Report of PCC-Expr — Data Link

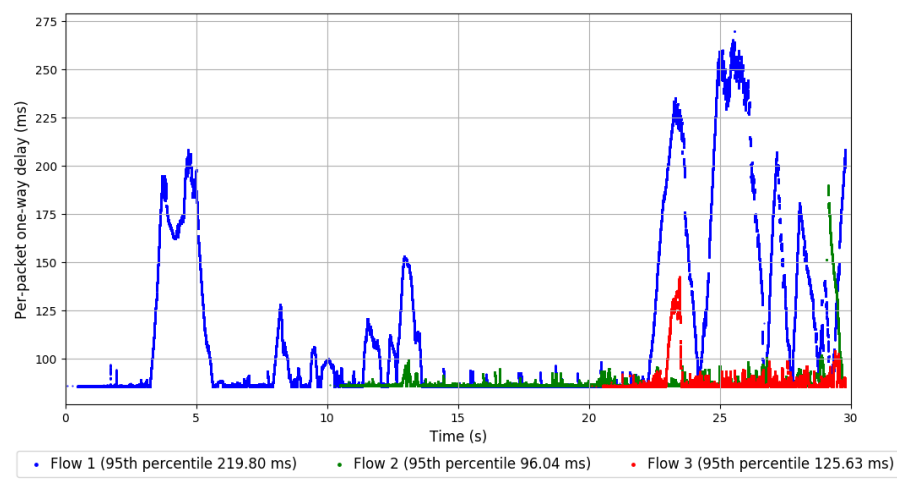
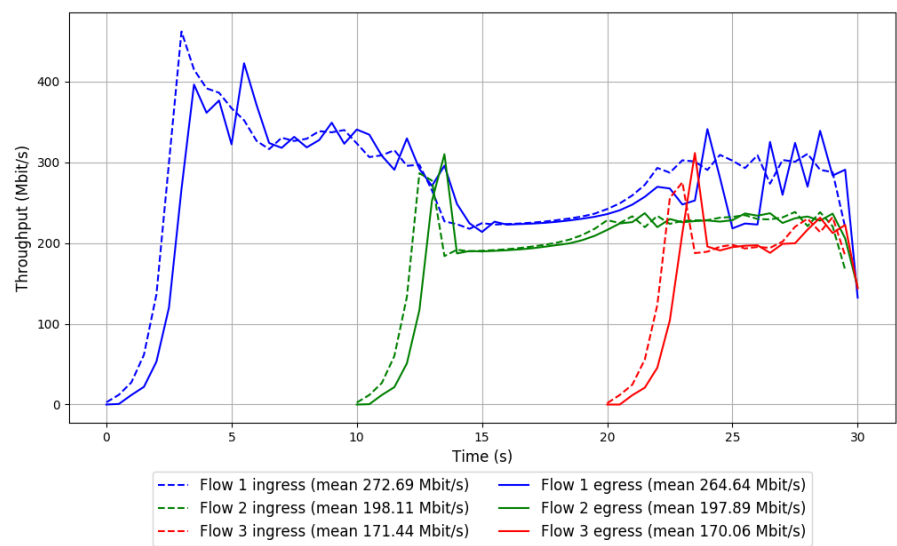


```
Run 3: Statistics of PCC-Expr

Start at: 2019-07-17 22:56:25
End at: 2019-07-17 22:56:55
Local clock offset: -0.008 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2019-07-18 03:14:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 451.29 Mbit/s
95th percentile per-packet one-way delay: 194.163 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 264.64 Mbit/s
95th percentile per-packet one-way delay: 219.802 ms
Loss rate: 3.51%
-- Flow 2:
Average throughput: 197.89 Mbit/s
95th percentile per-packet one-way delay: 96.037 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 170.06 Mbit/s
95th percentile per-packet one-way delay: 125.631 ms
Loss rate: 2.59%
```

Run 3: Report of PCC-Expr — Data Link

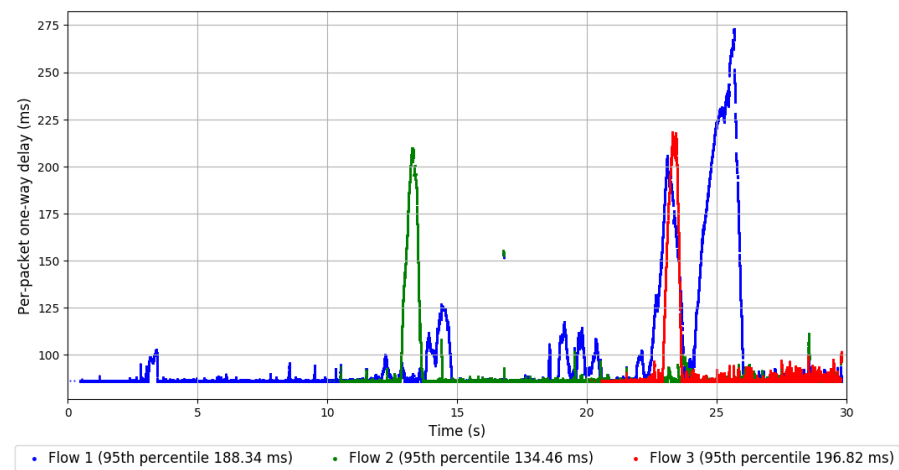
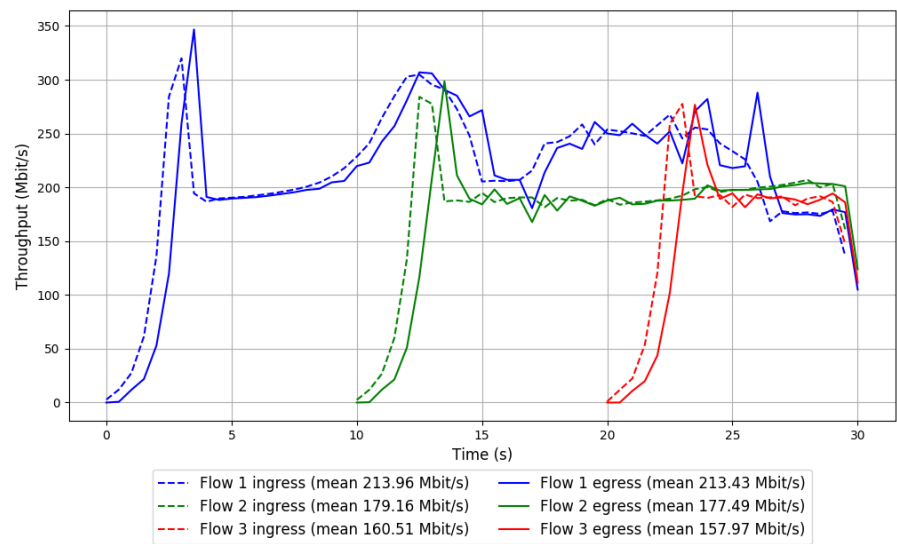


Run 4: Statistics of PCC-Expr

Start at: 2019-07-17 23:38:41
End at: 2019-07-17 23:39:11
Local clock offset: 0.26 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-07-18 03:20:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 382.65 Mbit/s
95th percentile per-packet one-way delay: 180.417 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 213.43 Mbit/s
95th percentile per-packet one-way delay: 188.343 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 177.49 Mbit/s
95th percentile per-packet one-way delay: 134.459 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 157.97 Mbit/s
95th percentile per-packet one-way delay: 196.822 ms
Loss rate: 3.30%

Run 4: Report of PCC-Expr — Data Link

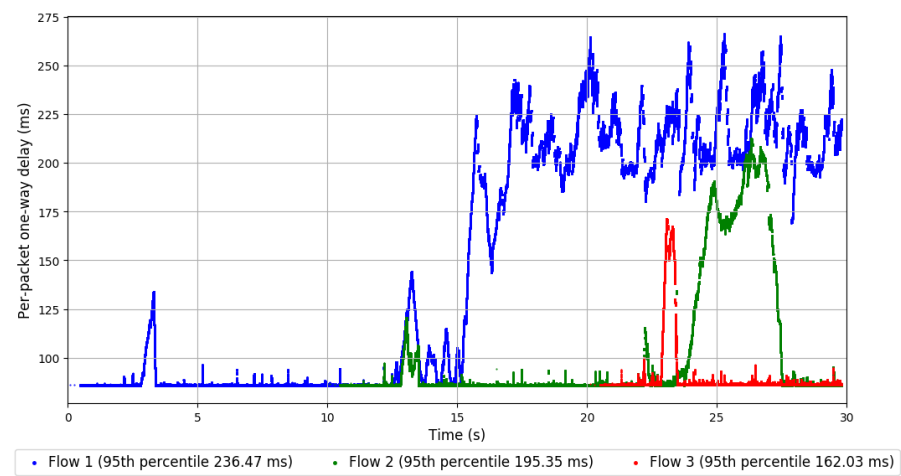
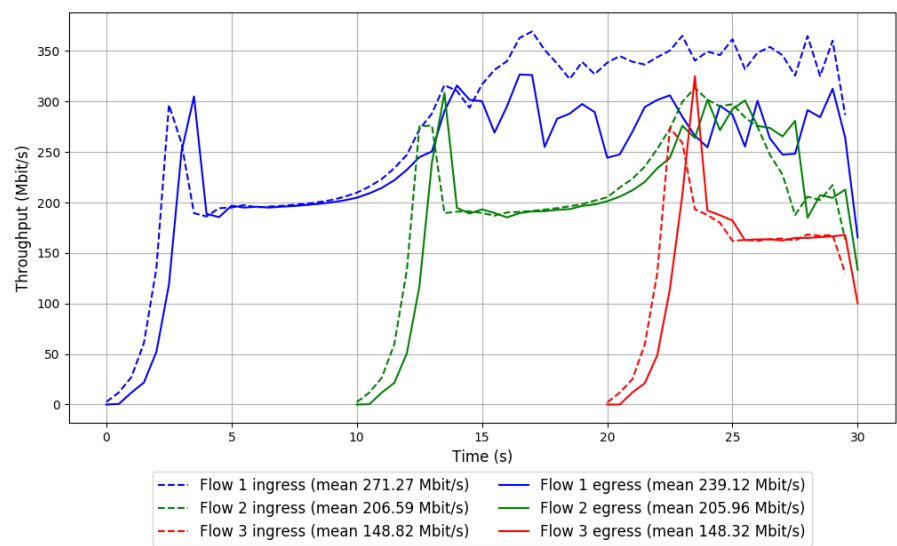


Run 5: Statistics of PCC-Expr

Start at: 2019-07-18 00:20:34
End at: 2019-07-18 00:21:04
Local clock offset: 0.056 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-07-18 03:24:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 424.02 Mbit/s
95th percentile per-packet one-way delay: 230.318 ms
Loss rate: 7.90%
-- Flow 1:
Average throughput: 239.12 Mbit/s
95th percentile per-packet one-way delay: 236.470 ms
Loss rate: 12.36%
-- Flow 2:
Average throughput: 205.96 Mbit/s
95th percentile per-packet one-way delay: 195.348 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 148.32 Mbit/s
95th percentile per-packet one-way delay: 162.033 ms
Loss rate: 2.08%

Run 5: Report of PCC-Expr — Data Link

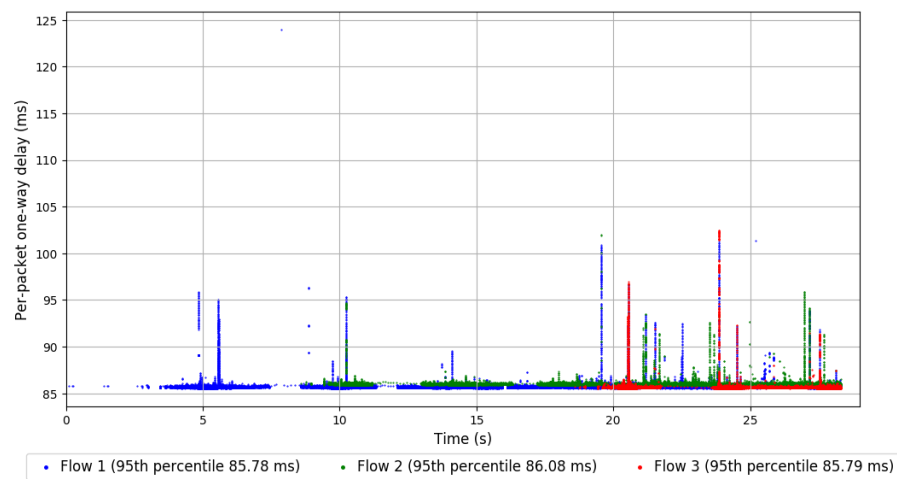
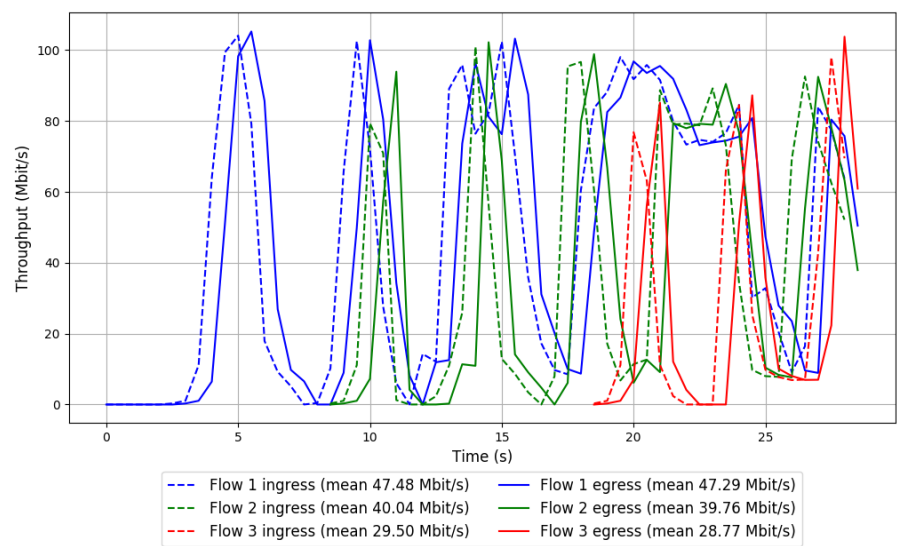


Run 1: Statistics of QUIC Cubic

Start at: 2019-07-17 21:29:18
End at: 2019-07-17 21:29:48
Local clock offset: -0.193 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2019-07-18 03:24:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.96 Mbit/s
95th percentile per-packet one-way delay: 86.030 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 85.783 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 86.085 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 28.77 Mbit/s
95th percentile per-packet one-way delay: 85.786 ms
Loss rate: 4.19%

Run 1: Report of QUIC Cubic — Data Link

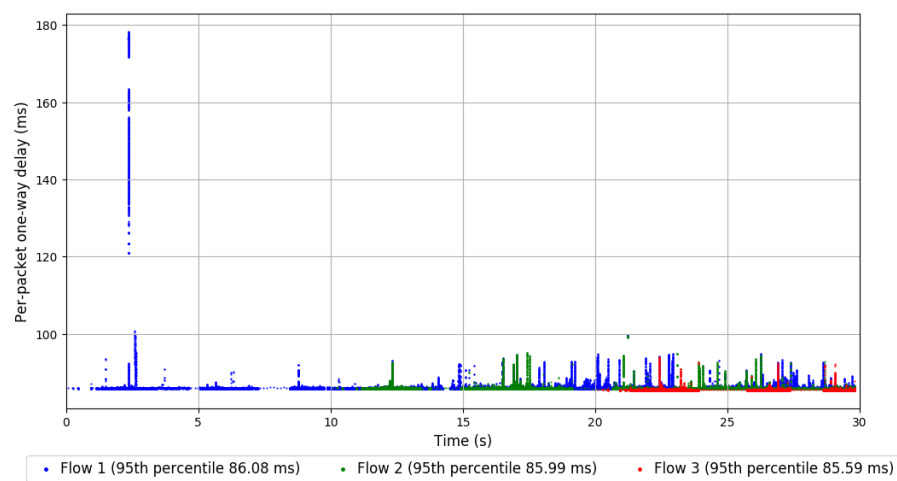
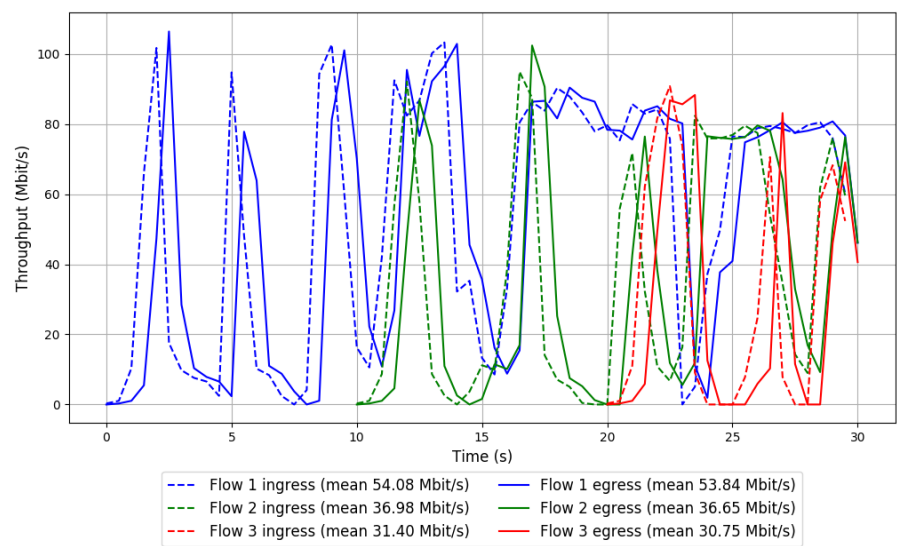


Run 2: Statistics of QUIC Cubic

Start at: 2019-07-17 22:11:25
End at: 2019-07-17 22:11:55
Local clock offset: -0.439 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-07-18 03:24:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 86.031 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 53.84 Mbit/s
95th percentile per-packet one-way delay: 86.078 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 36.65 Mbit/s
95th percentile per-packet one-way delay: 85.991 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 85.589 ms
Loss rate: 3.75%

Run 2: Report of QUIC Cubic — Data Link

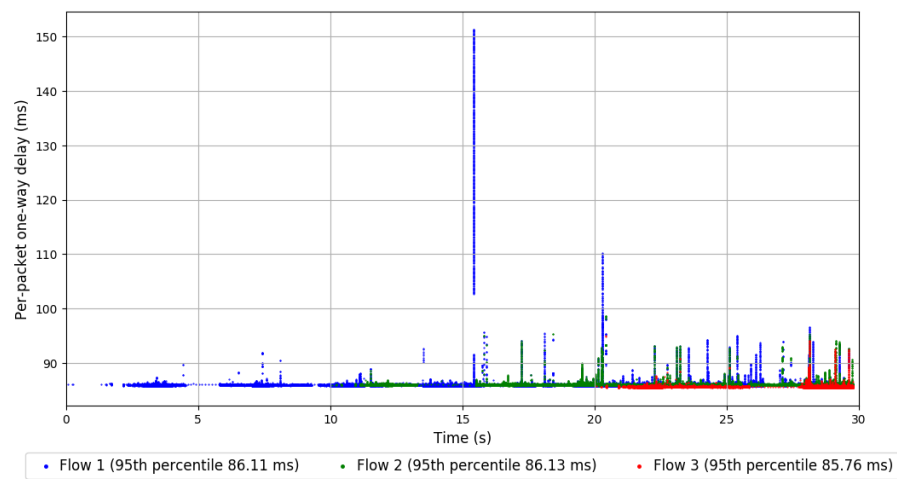
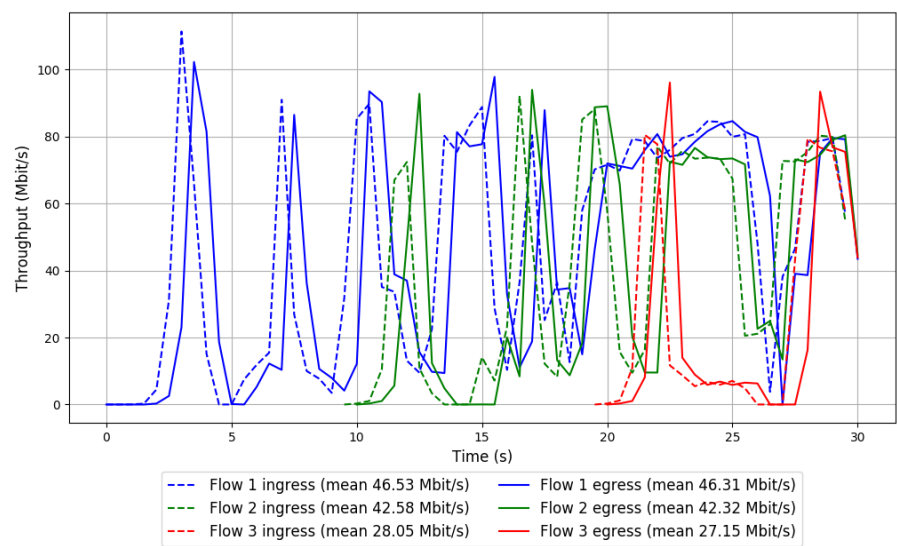


Run 3: Statistics of QUIC Cubic

Start at: 2019-07-17 22:53:12
End at: 2019-07-17 22:53:42
Local clock offset: -0.291 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2019-07-18 03:24:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.29 Mbit/s
95th percentile per-packet one-way delay: 86.110 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 46.31 Mbit/s
95th percentile per-packet one-way delay: 86.112 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 42.32 Mbit/s
95th percentile per-packet one-way delay: 86.133 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 27.15 Mbit/s
95th percentile per-packet one-way delay: 85.758 ms
Loss rate: 4.88%

Run 3: Report of QUIC Cubic — Data Link

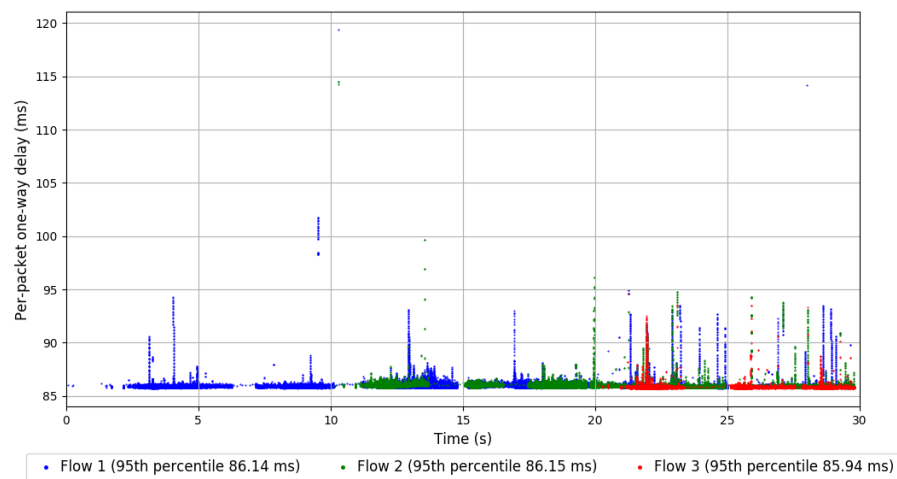
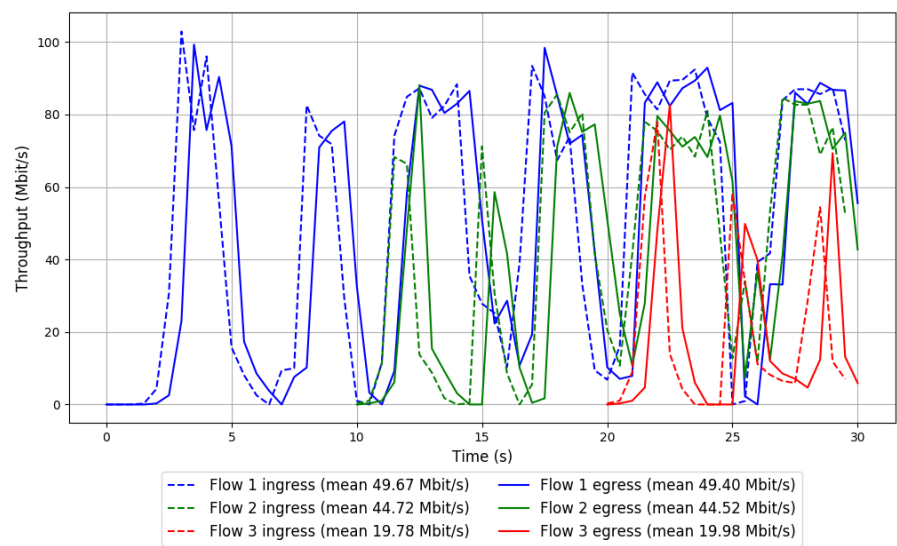


Run 4: Statistics of QUIC Cubic

Start at: 2019-07-17 23:35:47
End at: 2019-07-17 23:36:17
Local clock offset: -0.015 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2019-07-18 03:24:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.44 Mbit/s
95th percentile per-packet one-way delay: 86.141 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 49.40 Mbit/s
95th percentile per-packet one-way delay: 86.143 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 44.52 Mbit/s
95th percentile per-packet one-way delay: 86.151 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 19.98 Mbit/s
95th percentile per-packet one-way delay: 85.937 ms
Loss rate: 0.77%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-07-18 00:17:22

End at: 2019-07-18 00:17:52

Local clock offset: 0.01 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2019-07-18 03:24:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.57 Mbit/s

95th percentile per-packet one-way delay: 86.174 ms

Loss rate: 1.65%

-- Flow 1:

Average throughput: 52.93 Mbit/s

95th percentile per-packet one-way delay: 86.049 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 38.21 Mbit/s

95th percentile per-packet one-way delay: 86.002 ms

Loss rate: 1.84%

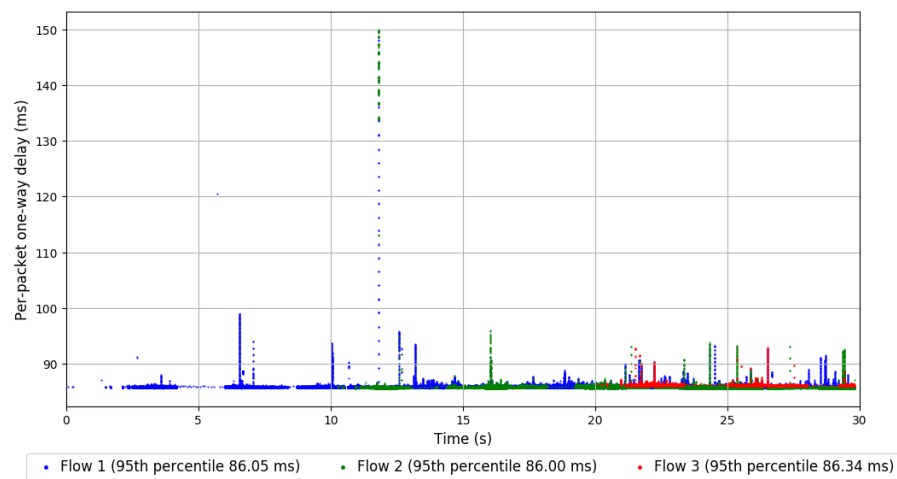
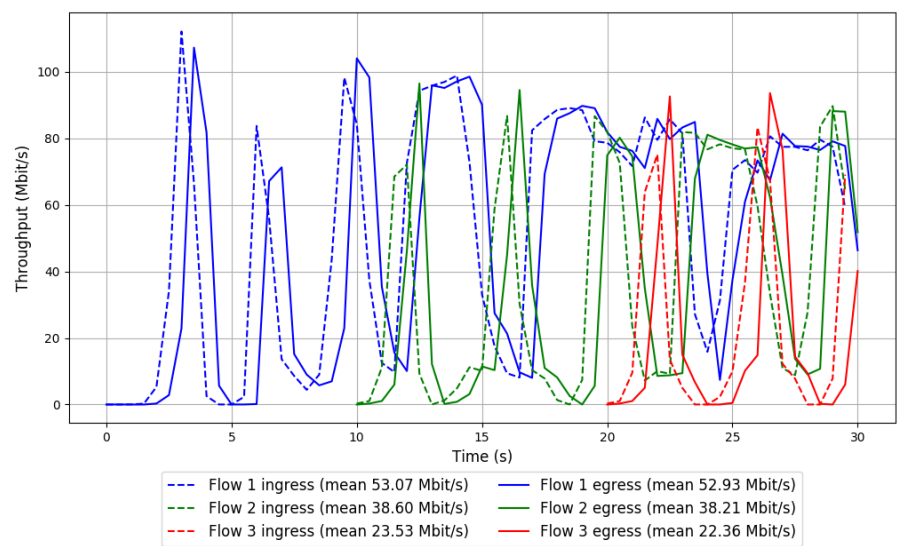
-- Flow 3:

Average throughput: 22.36 Mbit/s

95th percentile per-packet one-way delay: 86.339 ms

Loss rate: 6.63%

Run 5: Report of QUIC Cubic — Data Link

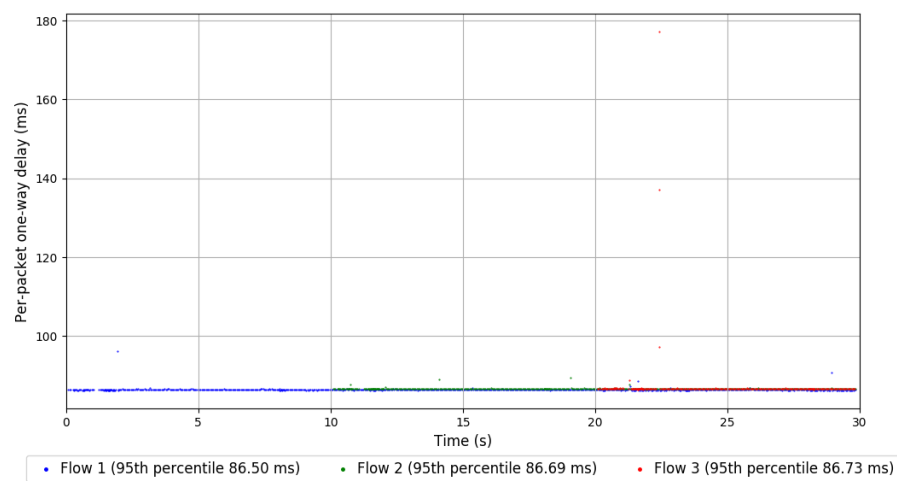
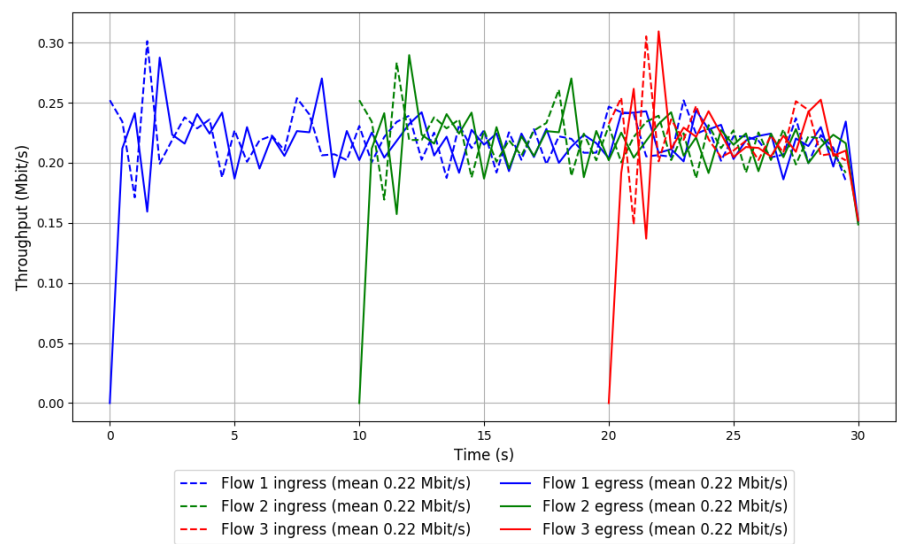


Run 1: Statistics of SReAM

Start at: 2019-07-17 21:05:35
End at: 2019-07-17 21:06:05
Local clock offset: 0.169 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2019-07-18 03:24:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.678 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.496 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.691 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.728 ms
Loss rate: 1.85%

Run 1: Report of SReAM — Data Link

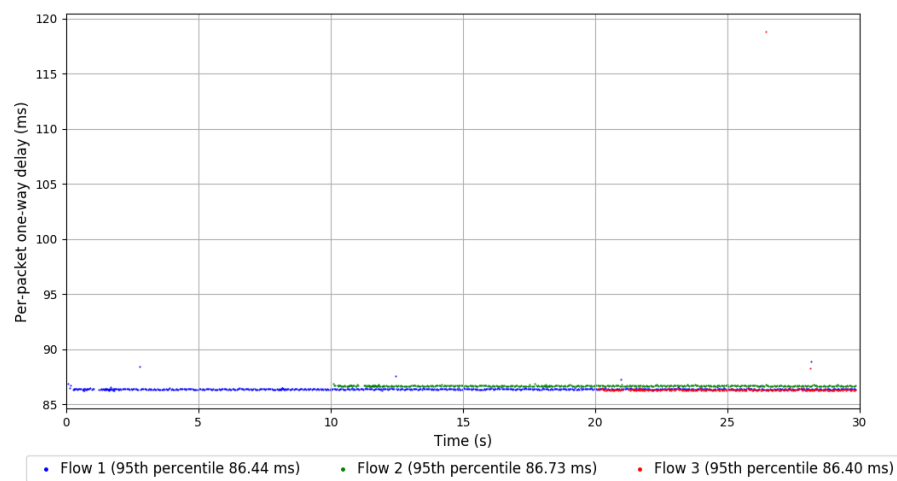
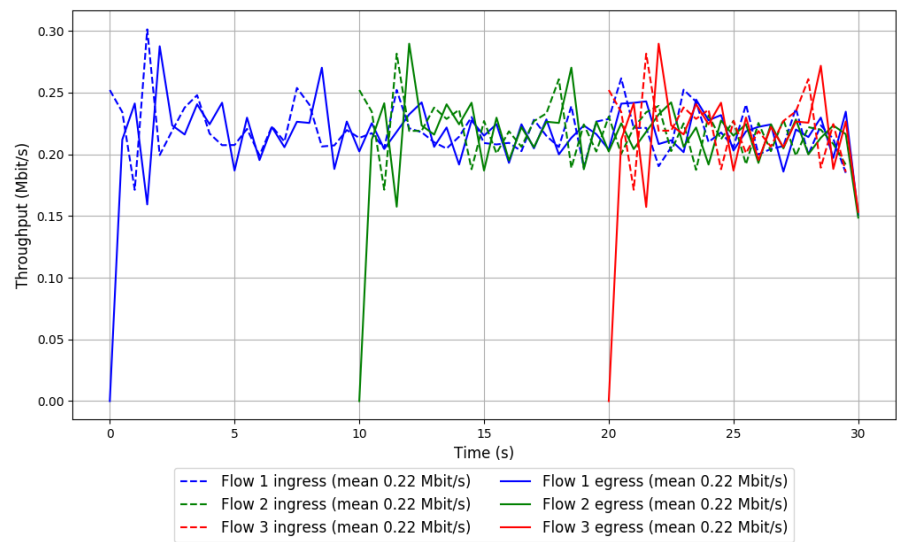


Run 2: Statistics of SReAM

Start at: 2019-07-17 21:47:01
End at: 2019-07-17 21:47:31
Local clock offset: 0.333 ms
Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-07-18 03:24:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.705 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.440 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.733 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.399 ms
Loss rate: 1.46%

Run 2: Report of SReAM — Data Link

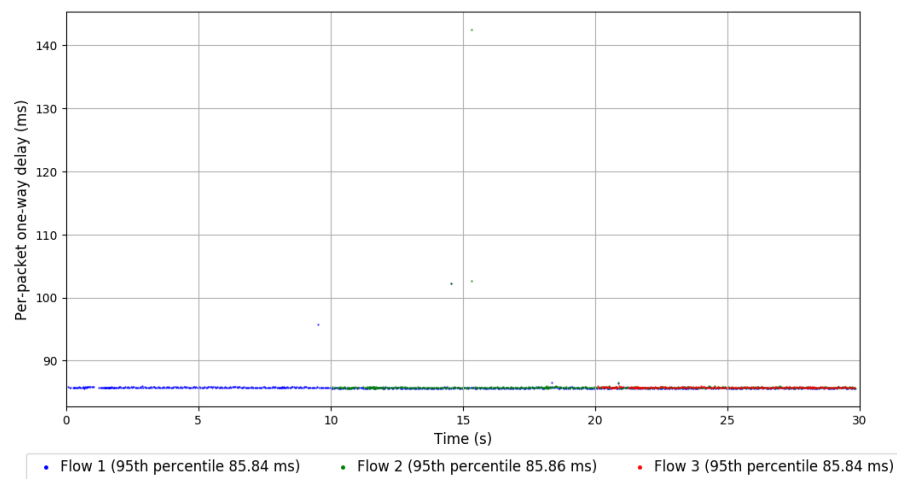
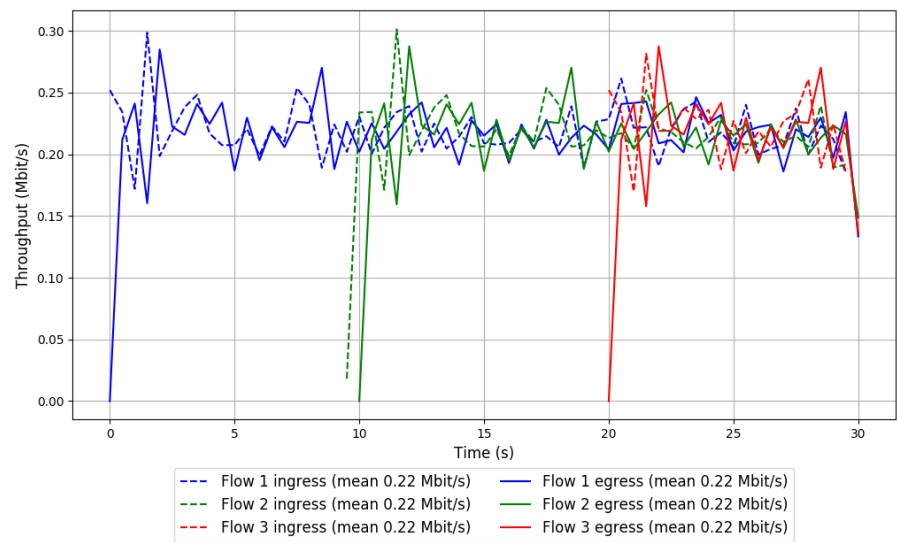


Run 3: Statistics of SReAM

Start at: 2019-07-17 22:28:42
End at: 2019-07-17 22:29:12
Local clock offset: -0.339 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2019-07-18 03:24:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 85.839 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.837 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.858 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.836 ms
Loss rate: 1.85%

Run 3: Report of SCSReAM — Data Link

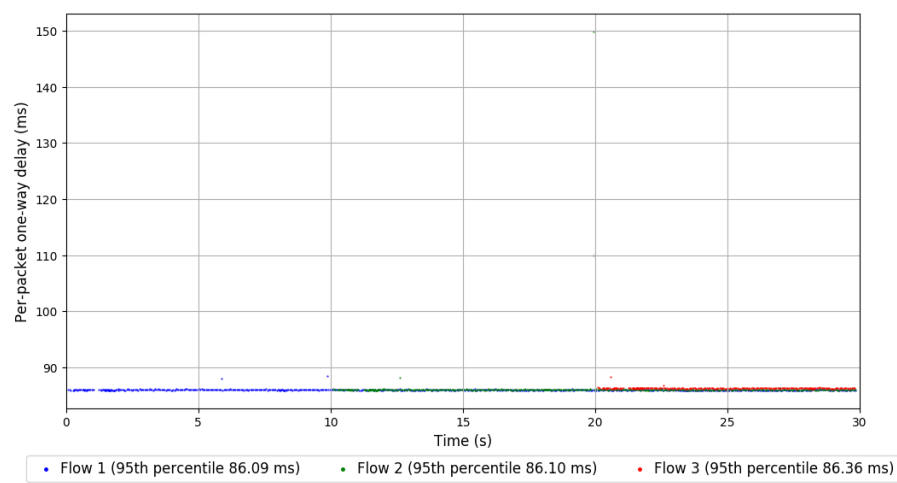
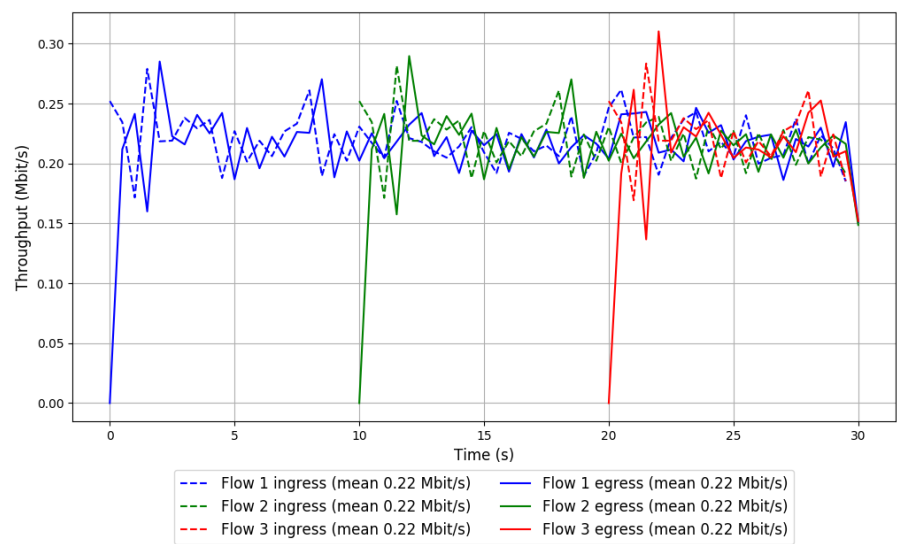


Run 4: Statistics of SReAM

Start at: 2019-07-17 23:11:08
End at: 2019-07-17 23:11:38
Local clock offset: -0.052 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2019-07-18 03:24:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.299 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.087 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.099 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.357 ms
Loss rate: 1.85%

Run 4: Report of SCRaM — Data Link



Run 5: Statistics of SReAM

Start at: 2019-07-17 23:53:07

End at: 2019-07-17 23:53:37

Local clock offset: 0.067 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2019-07-18 03:24:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.468 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.114 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.496 ms

Loss rate: 0.82%

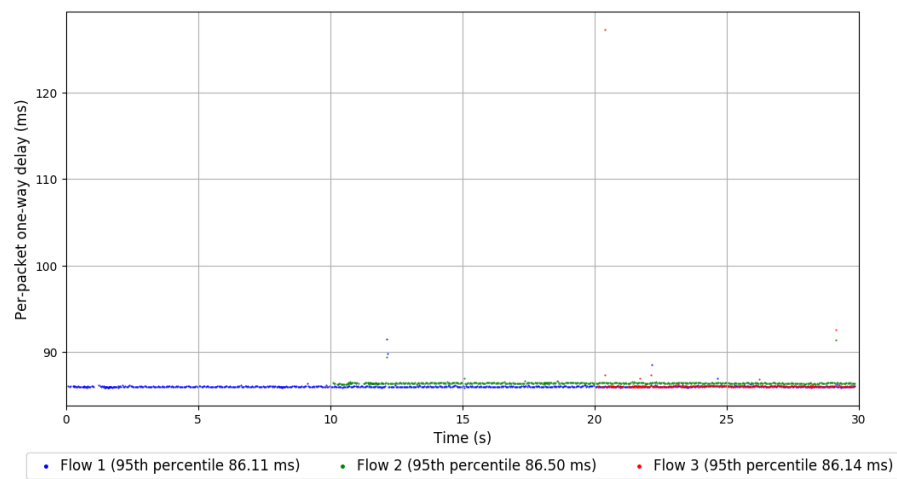
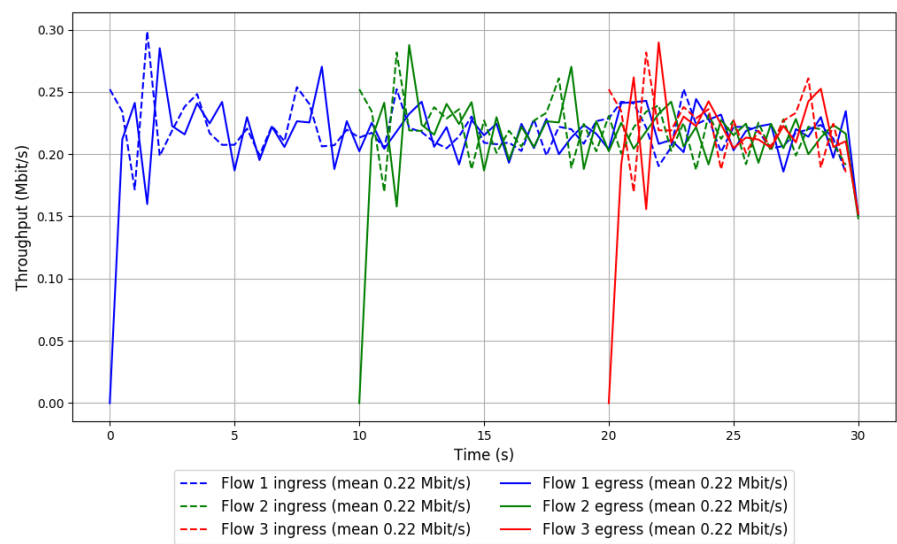
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.144 ms

Loss rate: 1.85%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-07-17 21:13:38

End at: 2019-07-17 21:14:08

Local clock offset: 0.213 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2019-07-18 03:24:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.12 Mbit/s

95th percentile per-packet one-way delay: 87.061 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 4.25 Mbit/s

95th percentile per-packet one-way delay: 87.118 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 86.914 ms

Loss rate: 1.05%

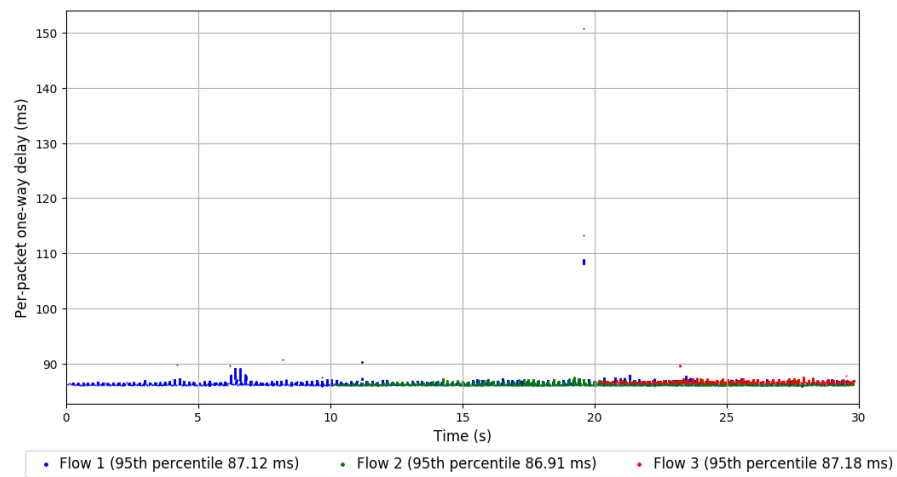
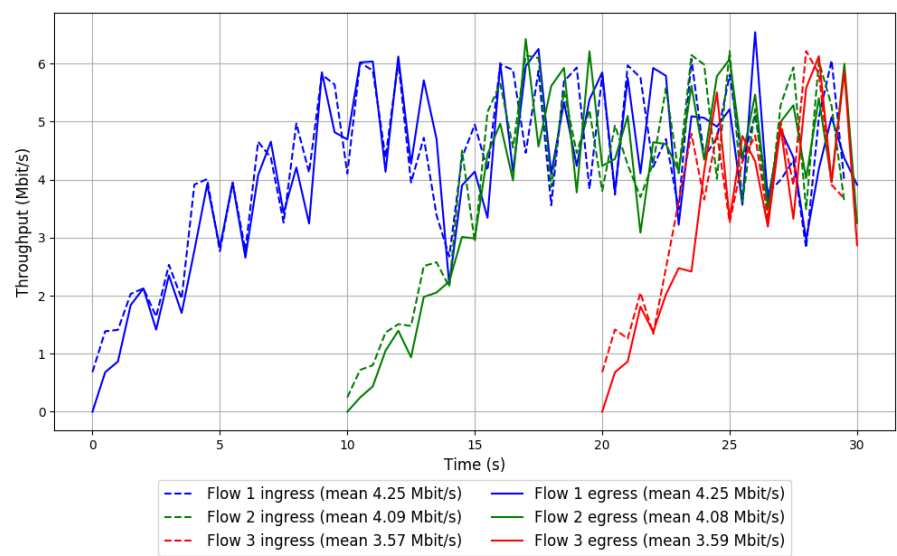
-- Flow 3:

Average throughput: 3.59 Mbit/s

95th percentile per-packet one-way delay: 87.182 ms

Loss rate: 1.14%

Run 1: Report of Sprout — Data Link

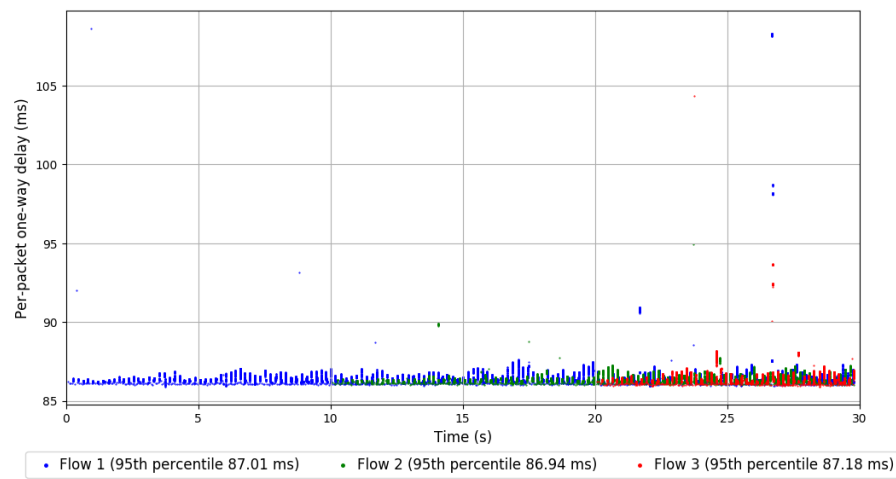
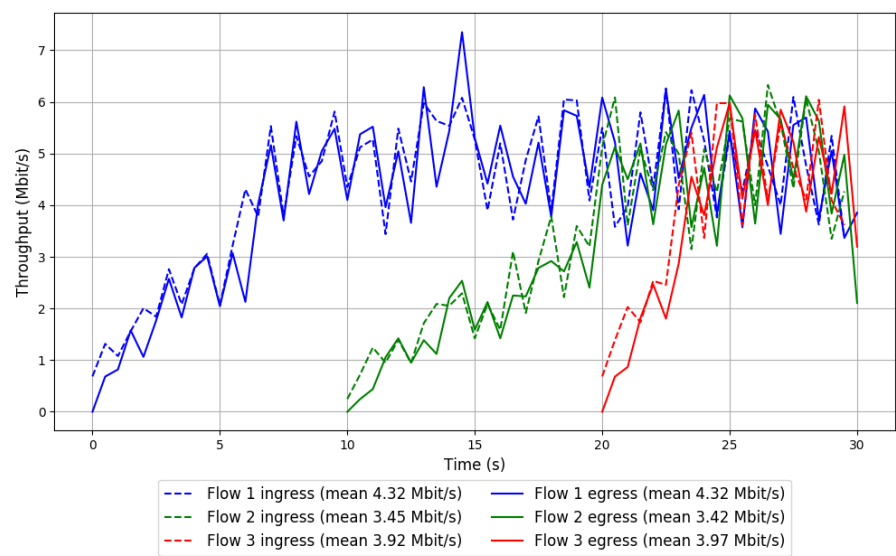


Run 2: Statistics of Sprout

Start at: 2019-07-17 21:55:44
End at: 2019-07-17 21:56:14
Local clock offset: 0.084 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-07-18 03:24:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 87.000 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 87.008 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 86.936 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 87.180 ms
Loss rate: 0.54%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-07-17 22:37:27

End at: 2019-07-17 22:37:57

Local clock offset: -0.323 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2019-07-18 03:24:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.78 Mbit/s

95th percentile per-packet one-way delay: 86.582 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 86.484 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 86.521 ms

Loss rate: 1.00%

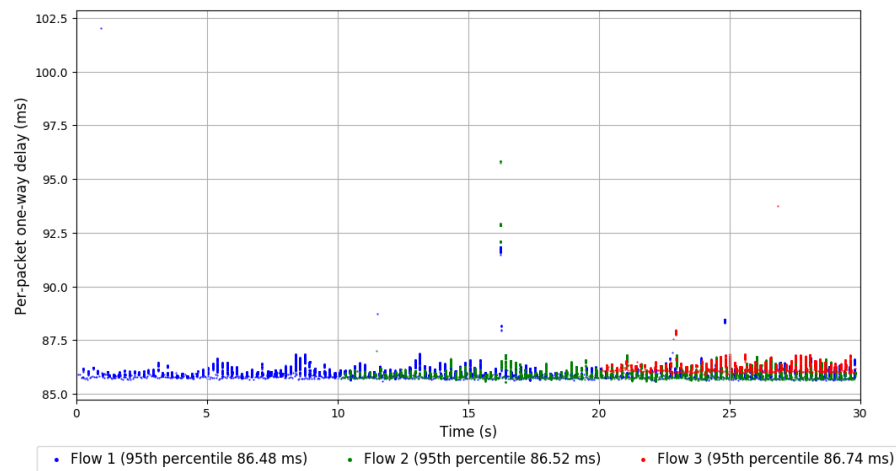
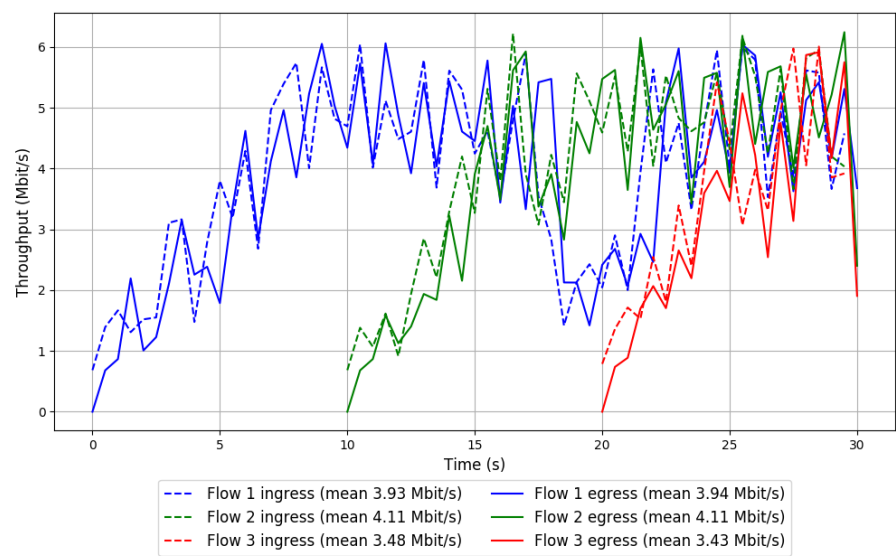
-- Flow 3:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 86.743 ms

Loss rate: 2.95%

Run 3: Report of Sprout — Data Link

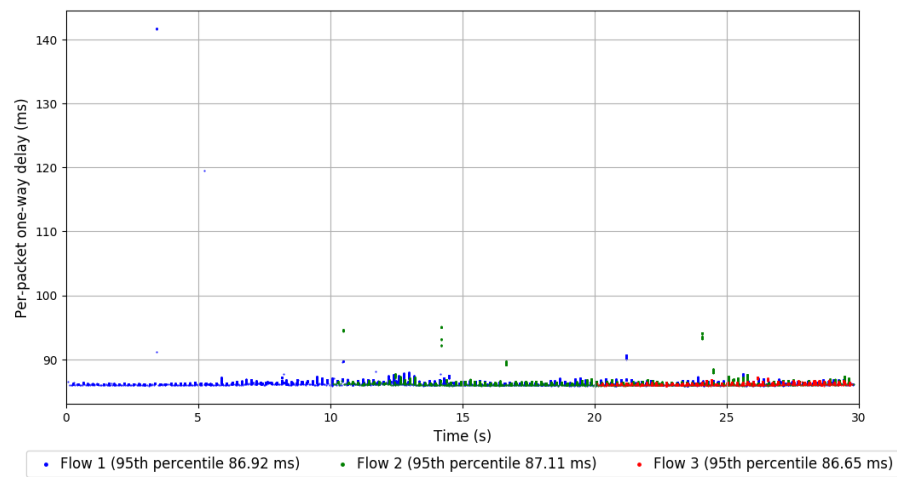
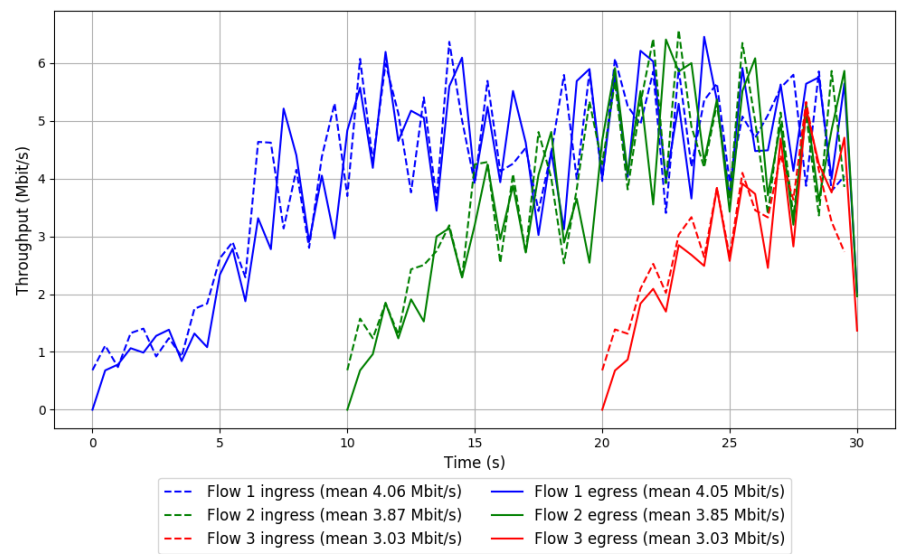


Run 4: Statistics of Sprout

Start at: 2019-07-17 23:19:54
End at: 2019-07-17 23:20:24
Local clock offset: -0.029 ms
Remote clock offset: -0.036 ms

```
# Below is generated by plot.py at 2019-07-18 03:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 86.936 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 86.923 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 87.107 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 86.654 ms
Loss rate: 2.28%
```

Run 4: Report of Sprout — Data Link

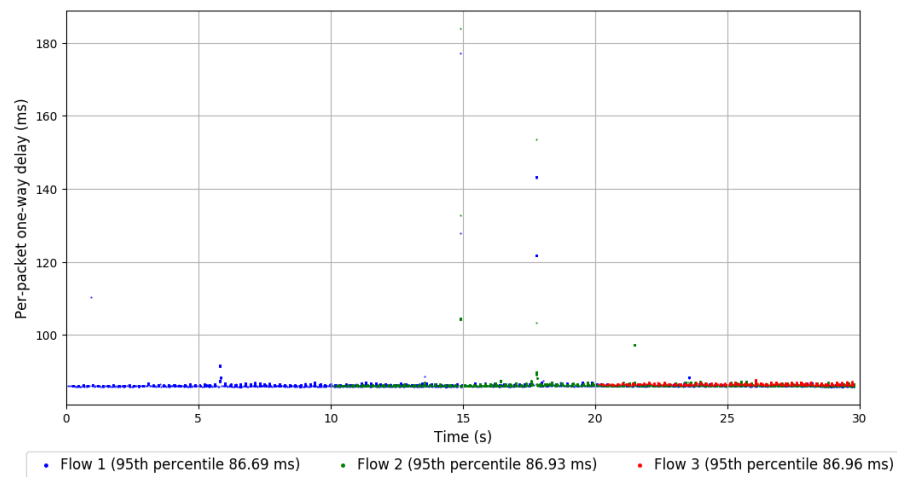
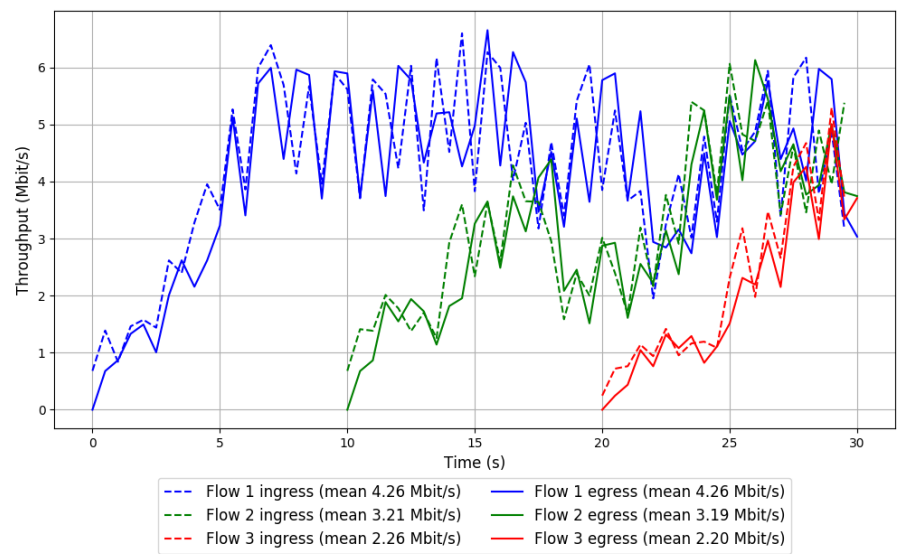


Run 5: Statistics of Sprout

Start at: 2019-07-18 00:01:43
End at: 2019-07-18 00:02:13
Local clock offset: 0.019 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2019-07-18 03:24:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.09 Mbit/s
95th percentile per-packet one-way delay: 86.827 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 86.695 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 86.931 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 86.959 ms
Loss rate: 4.40%

Run 5: Report of Sprout — Data Link

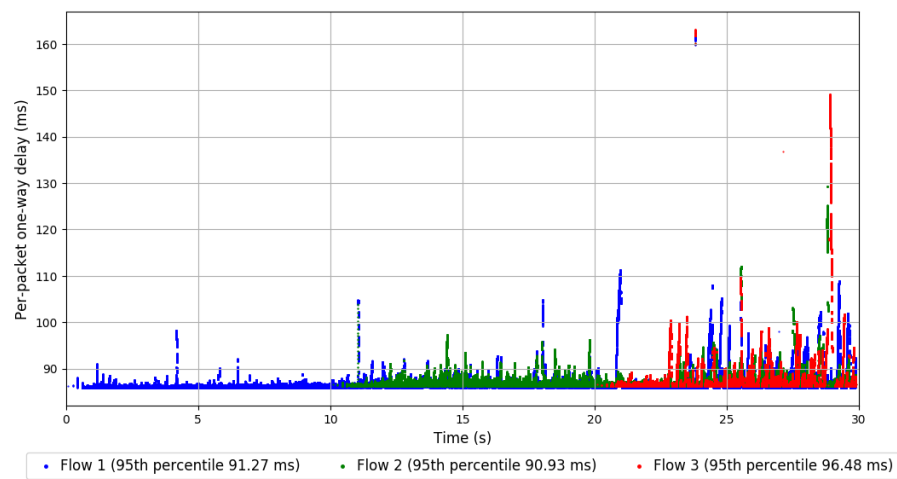
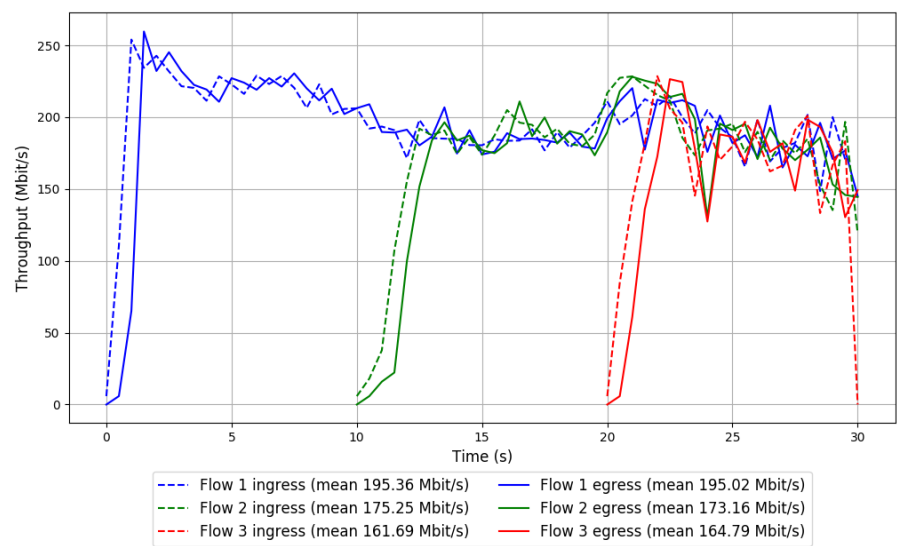


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-07-17 21:25:34
End at: 2019-07-17 21:26:04
Local clock offset: 0.127 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2019-07-18 03:27:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 364.12 Mbit/s
95th percentile per-packet one-way delay: 92.303 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 195.02 Mbit/s
95th percentile per-packet one-way delay: 91.265 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 173.16 Mbit/s
95th percentile per-packet one-way delay: 90.933 ms
Loss rate: 3.19%
-- Flow 3:
Average throughput: 164.79 Mbit/s
95th percentile per-packet one-way delay: 96.484 ms
Loss rate: 2.80%
```

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

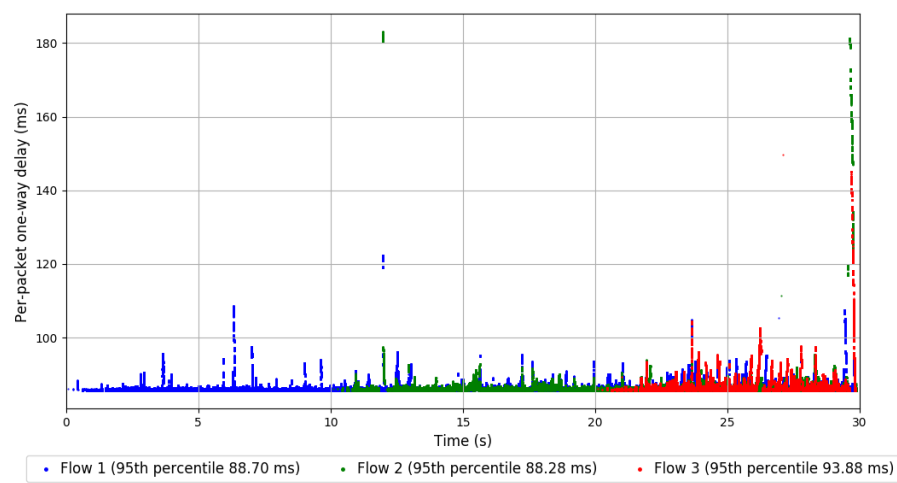
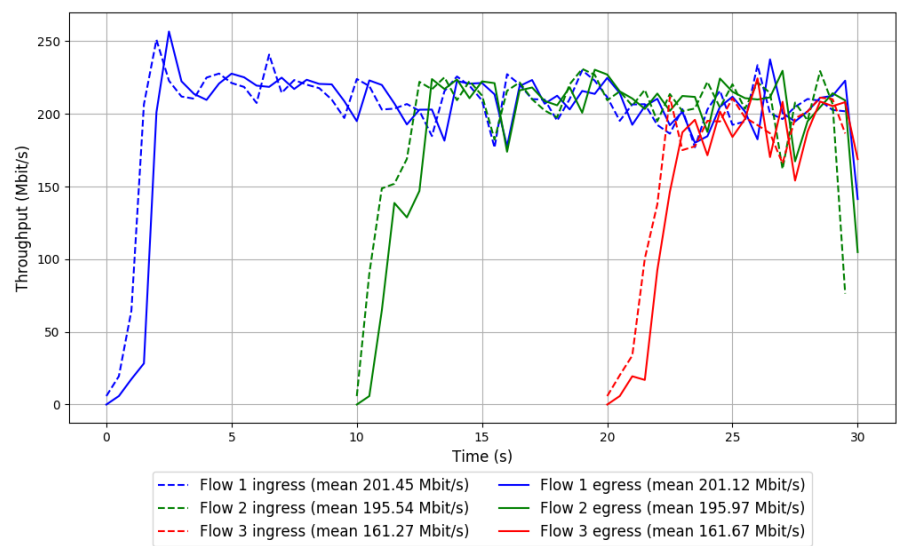


Run 2: Statistics of TaoVA-100x

Start at: 2019-07-17 22:07:46
End at: 2019-07-17 22:08:16
Local clock offset: -0.31 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2019-07-18 03:28:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 384.19 Mbit/s
95th percentile per-packet one-way delay: 89.278 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 201.12 Mbit/s
95th percentile per-packet one-way delay: 88.700 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 195.97 Mbit/s
95th percentile per-packet one-way delay: 88.277 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 161.67 Mbit/s
95th percentile per-packet one-way delay: 93.879 ms
Loss rate: 1.80%

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

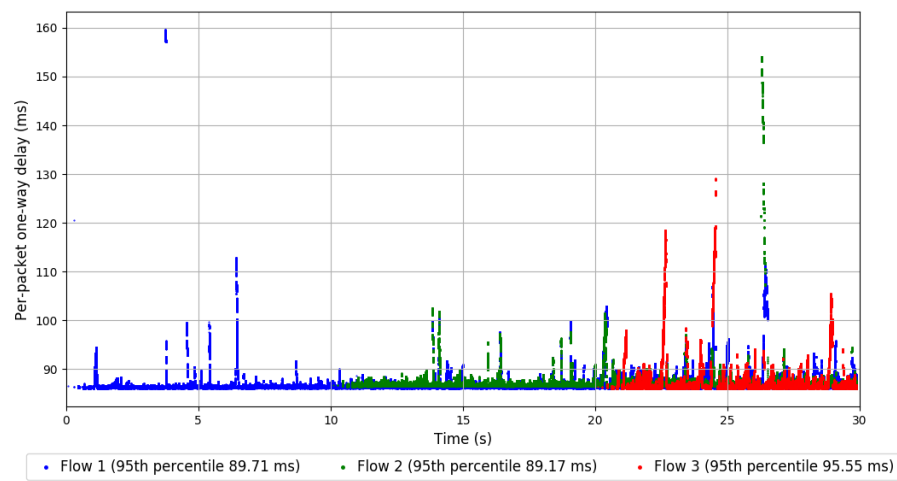
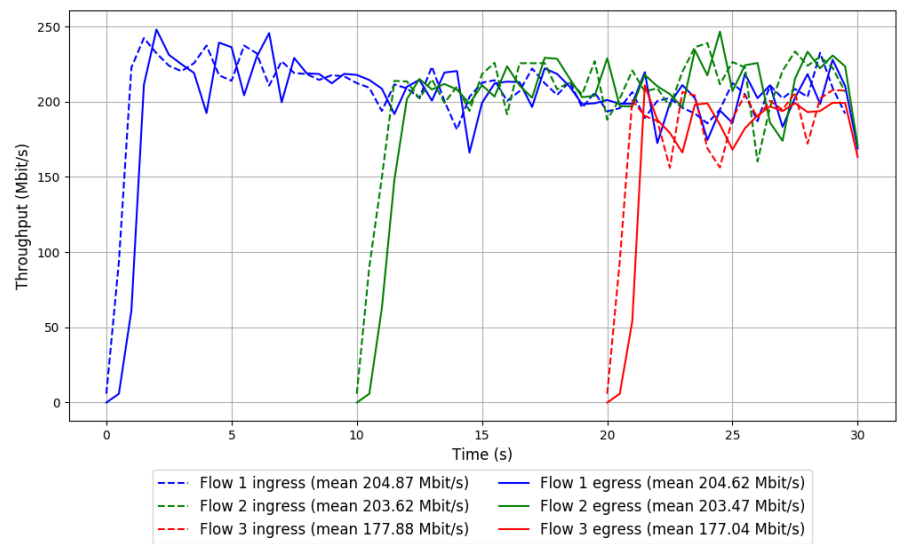


Run 3: Statistics of TaoVA-100x

Start at: 2019-07-17 22:49:24
End at: 2019-07-17 22:49:54
Local clock offset: 0.292 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-07-18 03:28:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 397.76 Mbit/s
95th percentile per-packet one-way delay: 90.380 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 204.62 Mbit/s
95th percentile per-packet one-way delay: 89.709 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 203.47 Mbit/s
95th percentile per-packet one-way delay: 89.175 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 177.04 Mbit/s
95th percentile per-packet one-way delay: 95.547 ms
Loss rate: 2.20%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-07-17 23:31:57

End at: 2019-07-17 23:32:27

Local clock offset: -0.44 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2019-07-18 03:28:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 387.61 Mbit/s

95th percentile per-packet one-way delay: 92.258 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 200.73 Mbit/s

95th percentile per-packet one-way delay: 91.510 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 191.11 Mbit/s

95th percentile per-packet one-way delay: 90.531 ms

Loss rate: 1.09%

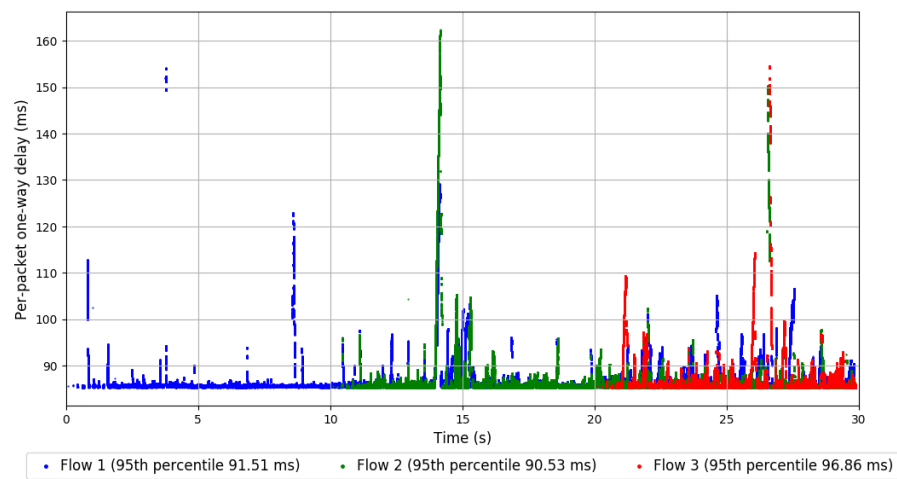
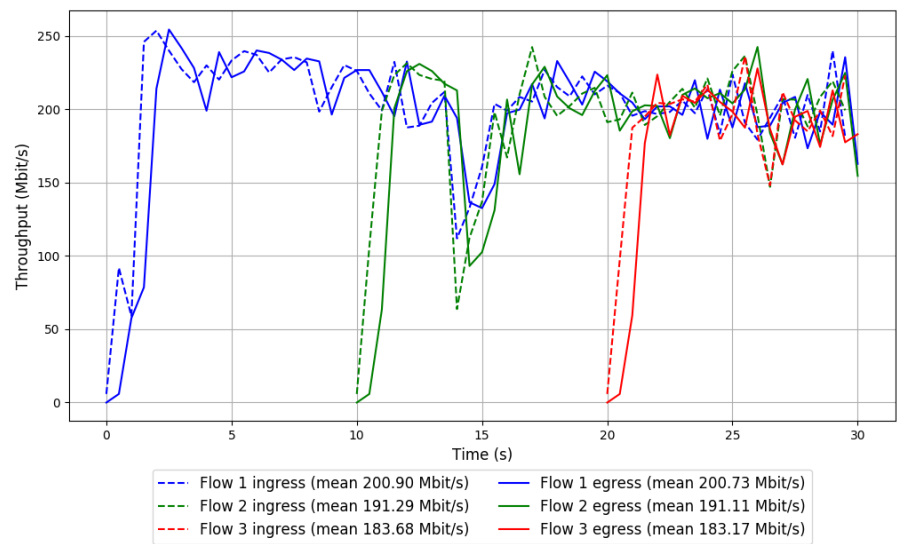
-- Flow 3:

Average throughput: 183.17 Mbit/s

95th percentile per-packet one-way delay: 96.858 ms

Loss rate: 2.02%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-07-18 00:13:37

End at: 2019-07-18 00:14:07

Local clock offset: 0.01 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-07-18 03:28:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 388.49 Mbit/s

95th percentile per-packet one-way delay: 91.192 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 203.49 Mbit/s

95th percentile per-packet one-way delay: 90.006 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 193.04 Mbit/s

95th percentile per-packet one-way delay: 92.947 ms

Loss rate: 0.71%

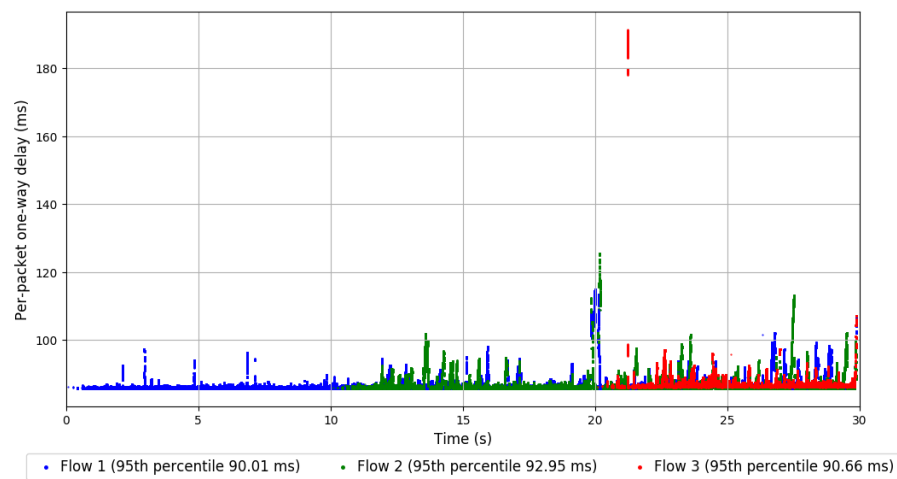
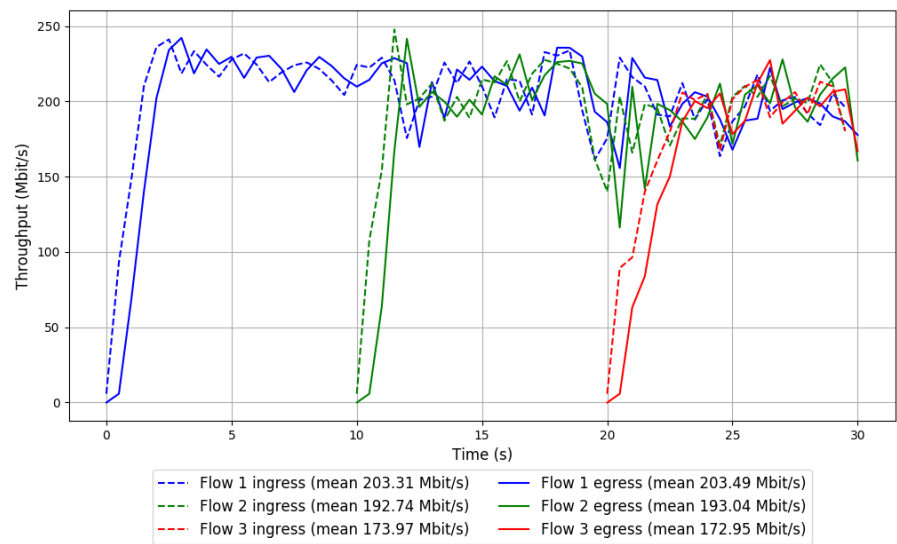
-- Flow 3:

Average throughput: 172.95 Mbit/s

95th percentile per-packet one-way delay: 90.657 ms

Loss rate: 2.30%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-07-17 21:27:27

End at: 2019-07-17 21:27:57

Local clock offset: -0.014 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2019-07-18 03:28:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 651.41 Mbit/s

95th percentile per-packet one-way delay: 107.499 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 323.49 Mbit/s

95th percentile per-packet one-way delay: 86.992 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 340.29 Mbit/s

95th percentile per-packet one-way delay: 129.347 ms

Loss rate: 0.69%

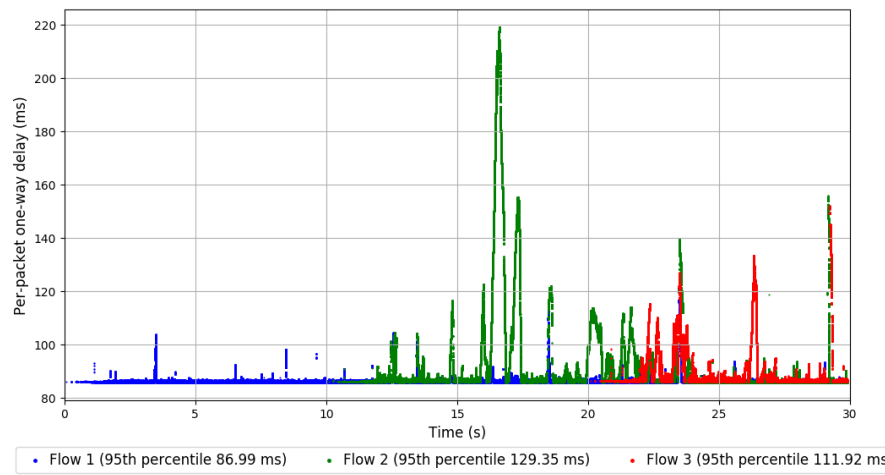
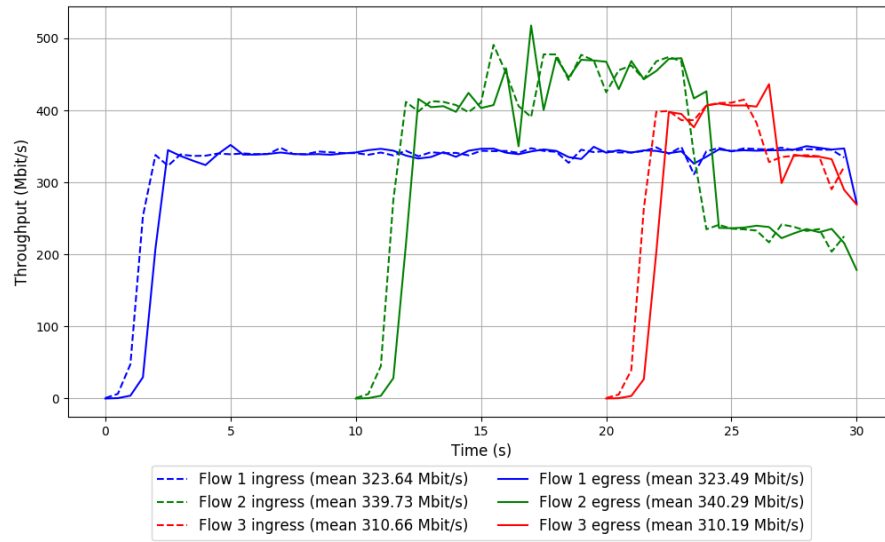
-- Flow 3:

Average throughput: 310.19 Mbit/s

95th percentile per-packet one-way delay: 111.920 ms

Loss rate: 1.88%

Run 1: Report of TCP Vegas — Data Link

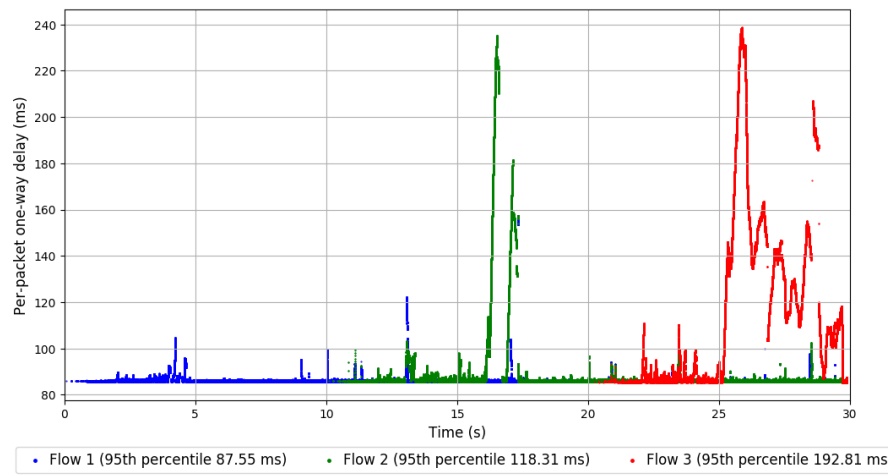
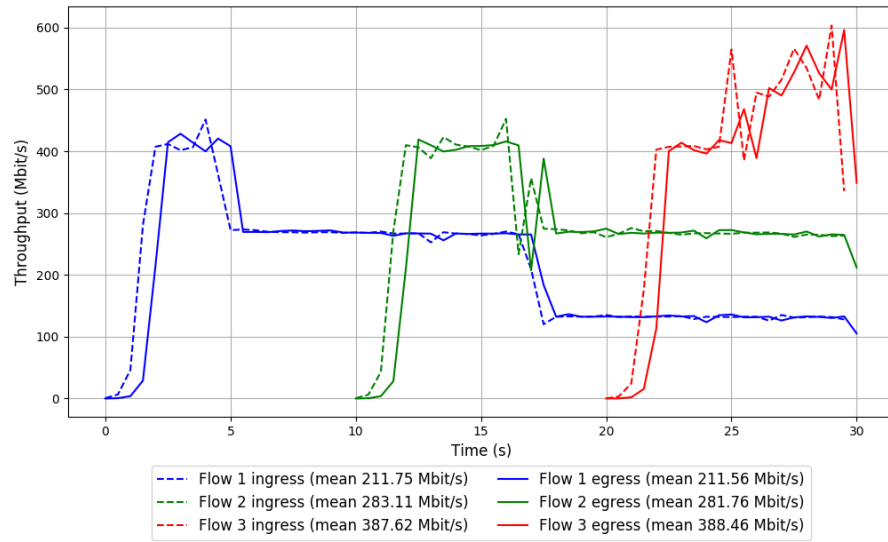


Run 2: Statistics of TCP Vegas

Start at: 2019-07-17 22:09:40
End at: 2019-07-17 22:10:10
Local clock offset: -0.455 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-07-18 03:32:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 524.38 Mbit/s
95th percentile per-packet one-way delay: 151.216 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 211.56 Mbit/s
95th percentile per-packet one-way delay: 87.547 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 281.76 Mbit/s
95th percentile per-packet one-way delay: 118.311 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 388.46 Mbit/s
95th percentile per-packet one-way delay: 192.815 ms
Loss rate: 1.54%

Run 2: Report of TCP Vegas — Data Link

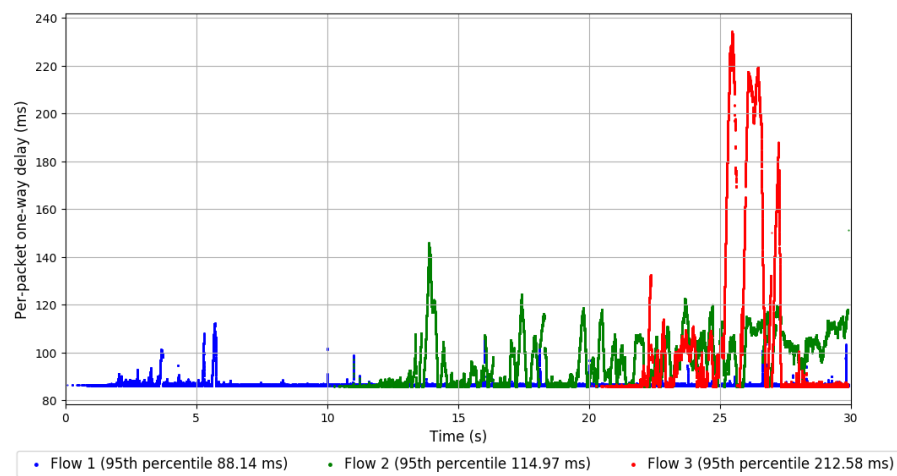
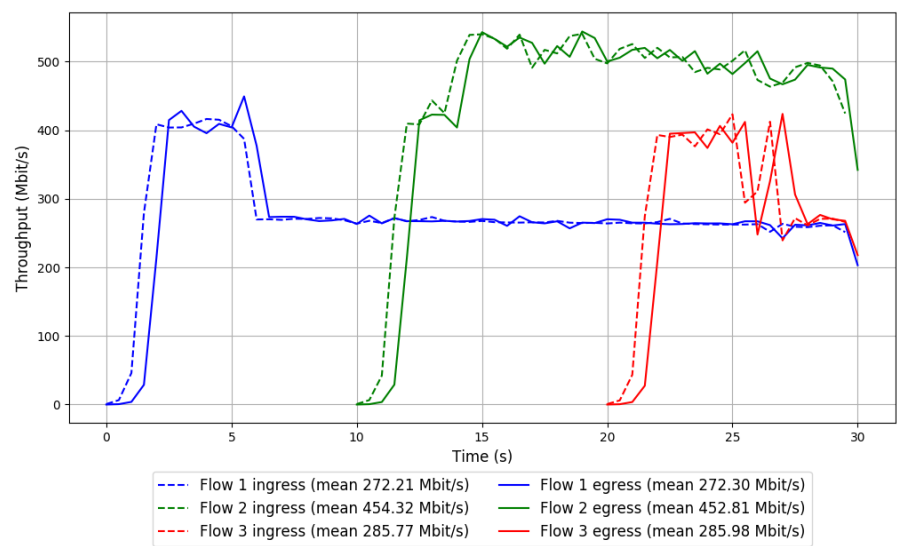


Run 3: Statistics of TCP Vegas

Start at: 2019-07-17 22:51:19
End at: 2019-07-17 22:51:49
Local clock offset: 0.006 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2019-07-18 03:38:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 666.99 Mbit/s
95th percentile per-packet one-way delay: 115.520 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 272.30 Mbit/s
95th percentile per-packet one-way delay: 88.139 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 452.81 Mbit/s
95th percentile per-packet one-way delay: 114.967 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 285.98 Mbit/s
95th percentile per-packet one-way delay: 212.576 ms
Loss rate: 1.66%

Run 3: Report of TCP Vegas — Data Link

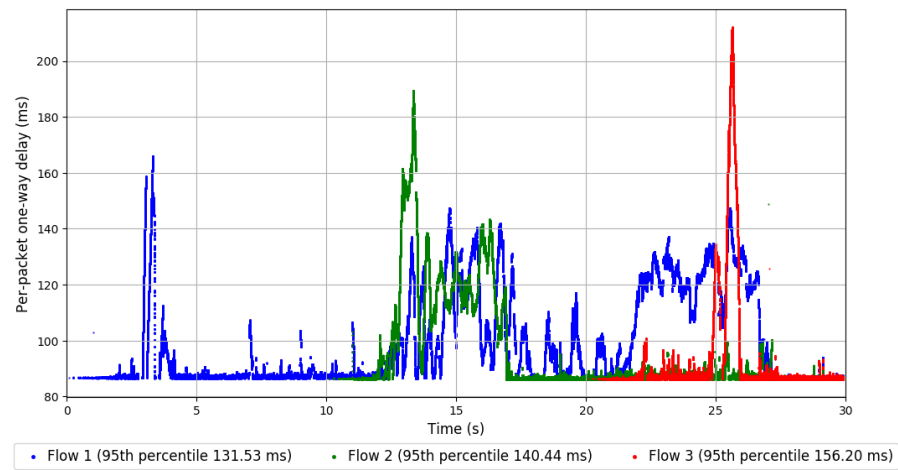
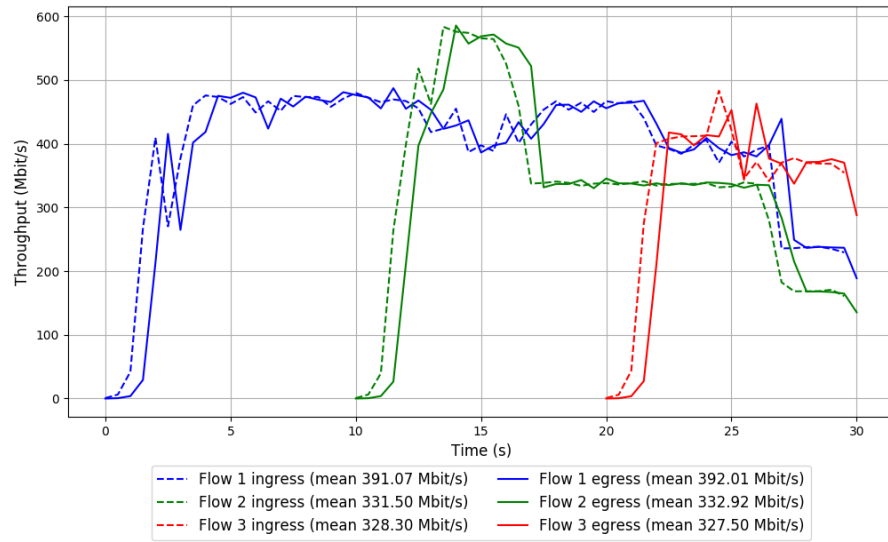


Run 4: Statistics of TCP Vegas

Start at: 2019-07-17 23:33:51
End at: 2019-07-17 23:34:22
Local clock offset: 0.432 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-07-18 03:41:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 720.70 Mbit/s
95th percentile per-packet one-way delay: 134.957 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 392.01 Mbit/s
95th percentile per-packet one-way delay: 131.527 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 332.92 Mbit/s
95th percentile per-packet one-way delay: 140.436 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 327.50 Mbit/s
95th percentile per-packet one-way delay: 156.198 ms
Loss rate: 1.97%

Run 4: Report of TCP Vegas — Data Link

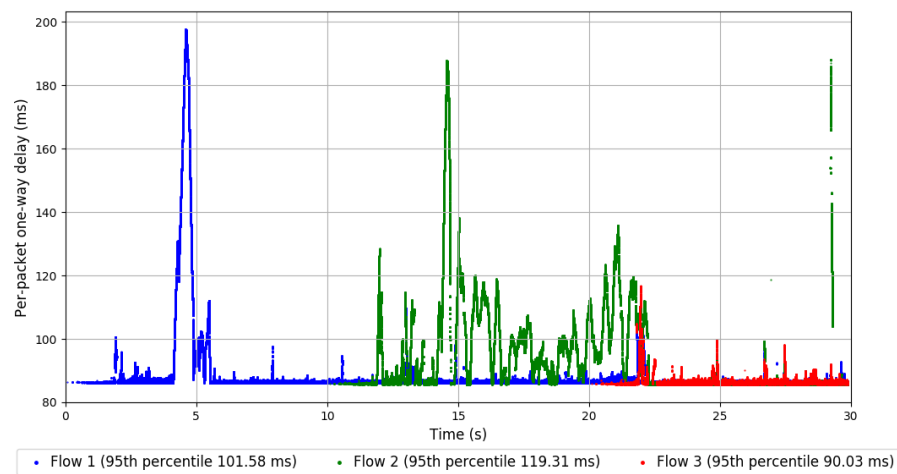
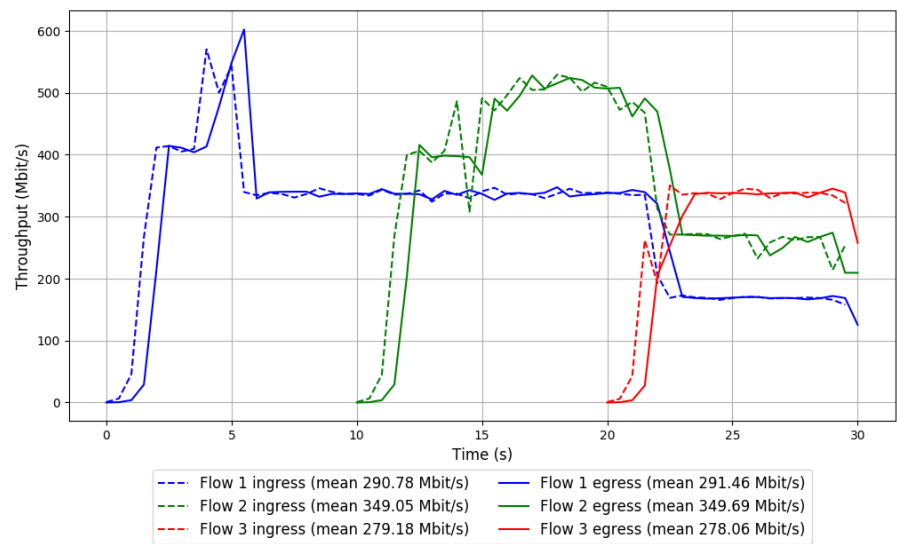


Run 5: Statistics of TCP Vegas

Start at: 2019-07-18 00:15:32
End at: 2019-07-18 00:16:02
Local clock offset: -0.143 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2019-07-18 03:41:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 615.06 Mbit/s
95th percentile per-packet one-way delay: 114.930 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 291.46 Mbit/s
95th percentile per-packet one-way delay: 101.577 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 349.69 Mbit/s
95th percentile per-packet one-way delay: 119.312 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 278.06 Mbit/s
95th percentile per-packet one-way delay: 90.031 ms
Loss rate: 2.11%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-07-17 21:43:31

End at: 2019-07-17 21:44:01

Local clock offset: -0.424 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2019-07-18 03:41:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 205.72 Mbit/s

95th percentile per-packet one-way delay: 264.309 ms

Loss rate: 3.95%

-- Flow 1:

Average throughput: 105.32 Mbit/s

95th percentile per-packet one-way delay: 182.497 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 131.38 Mbit/s

95th percentile per-packet one-way delay: 289.115 ms

Loss rate: 7.90%

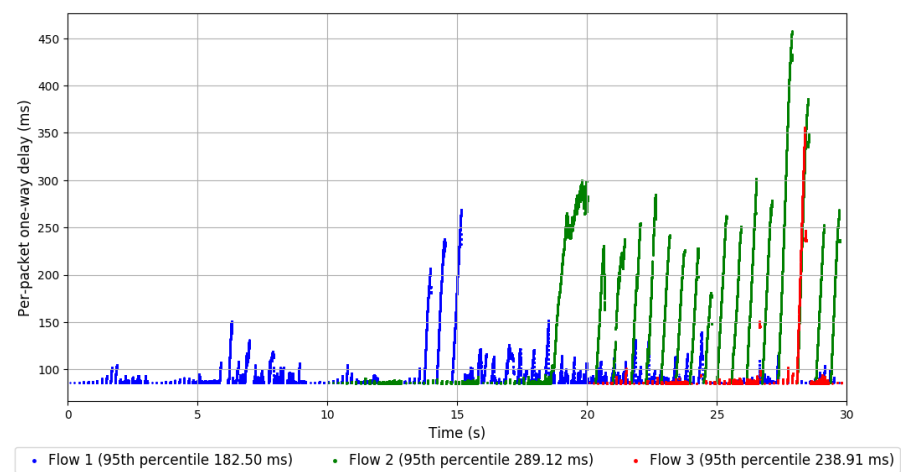
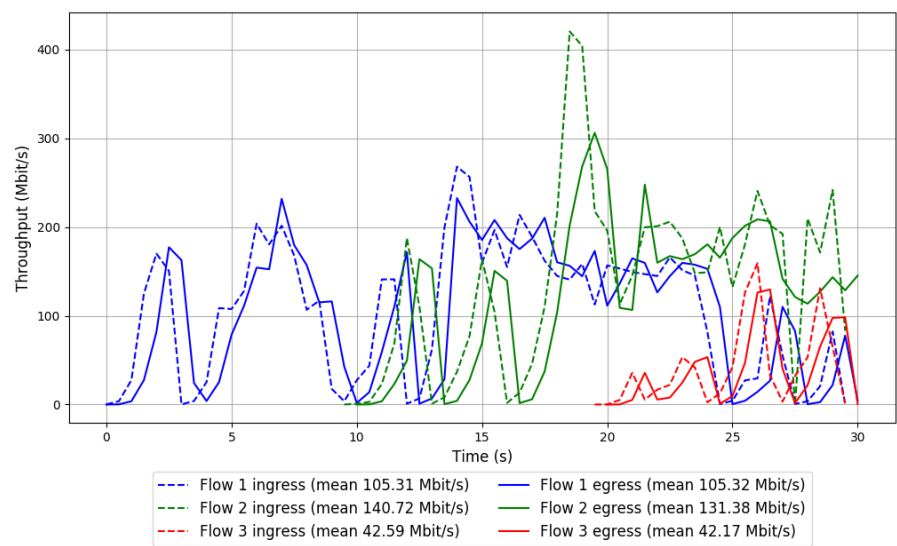
-- Flow 3:

Average throughput: 42.17 Mbit/s

95th percentile per-packet one-way delay: 238.905 ms

Loss rate: 2.71%

Run 1: Report of Verus — Data Link

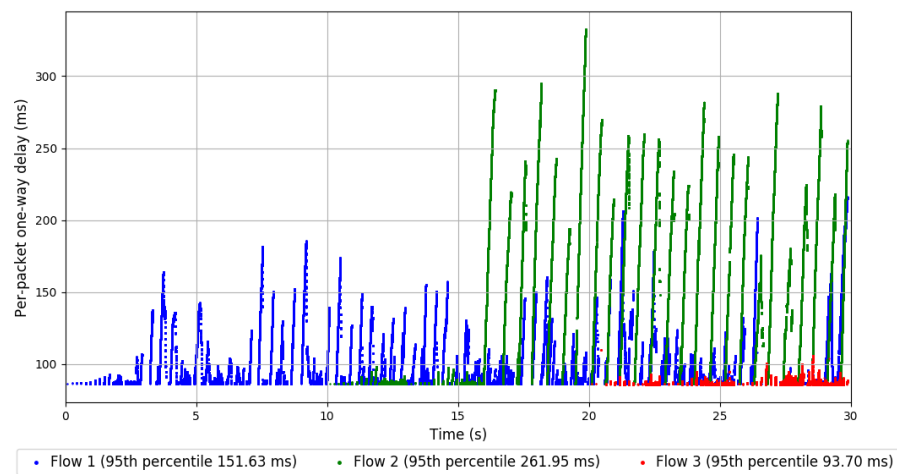
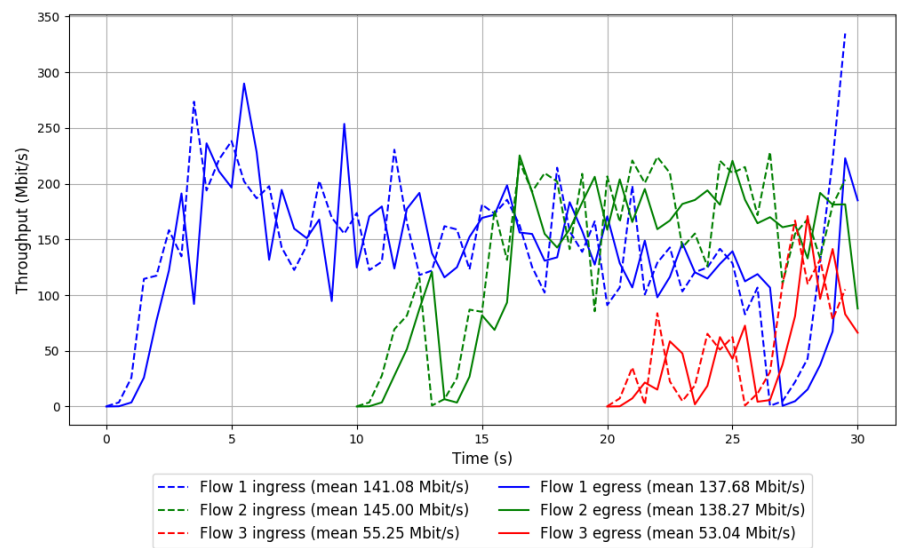


Run 2: Statistics of Verus

Start at: 2019-07-17 22:25:06
End at: 2019-07-17 22:25:36
Local clock offset: -0.041 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2019-07-18 03:41:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.89 Mbit/s
95th percentile per-packet one-way delay: 237.944 ms
Loss rate: 3.69%
-- Flow 1:
Average throughput: 137.68 Mbit/s
95th percentile per-packet one-way delay: 151.628 ms
Loss rate: 2.97%
-- Flow 2:
Average throughput: 138.27 Mbit/s
95th percentile per-packet one-way delay: 261.953 ms
Loss rate: 4.36%
-- Flow 3:
Average throughput: 53.04 Mbit/s
95th percentile per-packet one-way delay: 93.698 ms
Loss rate: 5.72%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-07-17 23:07:36

End at: 2019-07-17 23:08:06

Local clock offset: -0.074 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-07-18 03:41:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 205.17 Mbit/s

95th percentile per-packet one-way delay: 278.198 ms

Loss rate: 4.96%

-- Flow 1:

Average throughput: 130.95 Mbit/s

95th percentile per-packet one-way delay: 282.615 ms

Loss rate: 5.78%

-- Flow 2:

Average throughput: 61.73 Mbit/s

95th percentile per-packet one-way delay: 143.312 ms

Loss rate: 2.74%

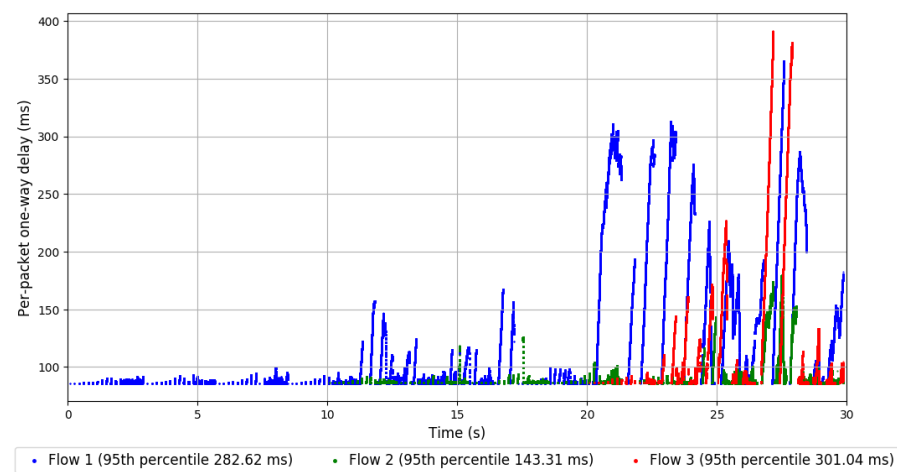
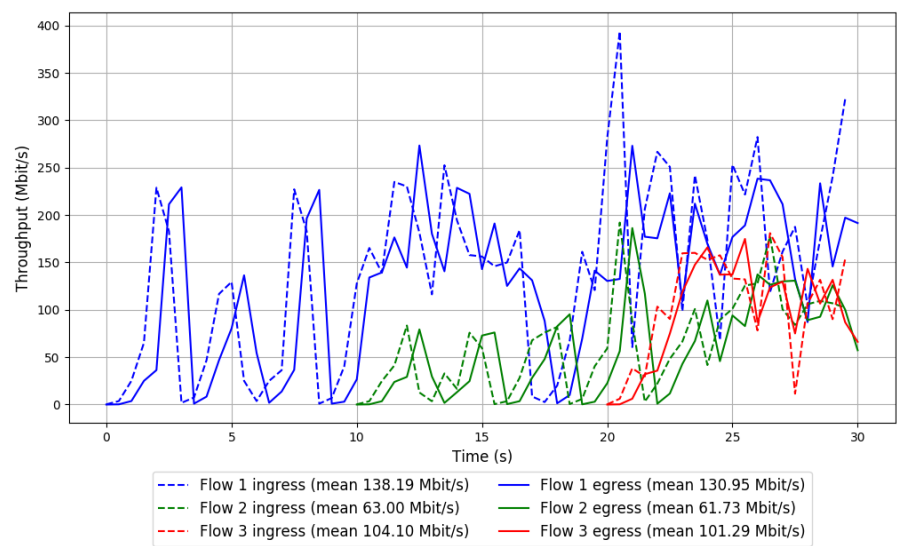
-- Flow 3:

Average throughput: 101.29 Mbit/s

95th percentile per-packet one-way delay: 301.041 ms

Loss rate: 4.38%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-07-17 23:49:43

End at: 2019-07-17 23:50:13

Local clock offset: 0.007 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2019-07-18 03:41:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 162.37 Mbit/s

95th percentile per-packet one-way delay: 147.636 ms

Loss rate: 1.71%

-- Flow 1:

Average throughput: 94.52 Mbit/s

95th percentile per-packet one-way delay: 154.477 ms

Loss rate: 2.26%

-- Flow 2:

Average throughput: 68.40 Mbit/s

95th percentile per-packet one-way delay: 98.598 ms

Loss rate: 1.27%

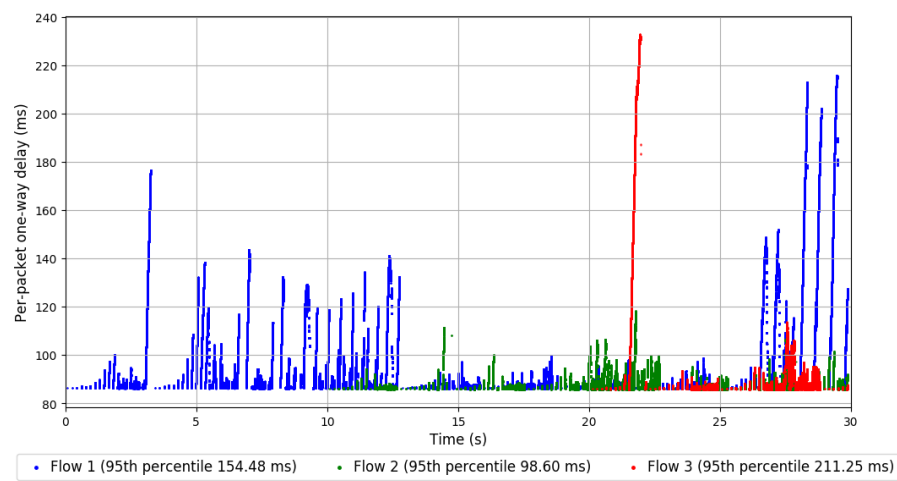
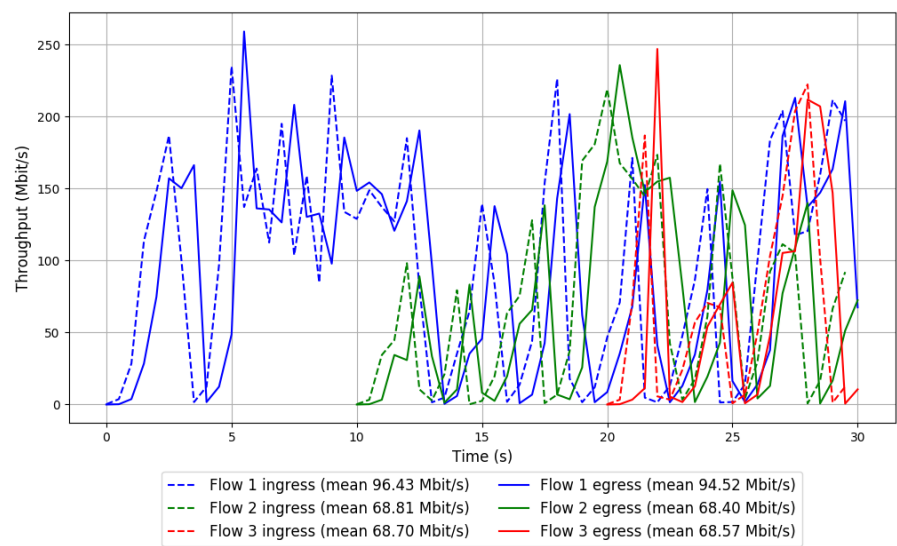
-- Flow 3:

Average throughput: 68.57 Mbit/s

95th percentile per-packet one-way delay: 211.247 ms

Loss rate: 0.19%

Run 4: Report of Verus — Data Link

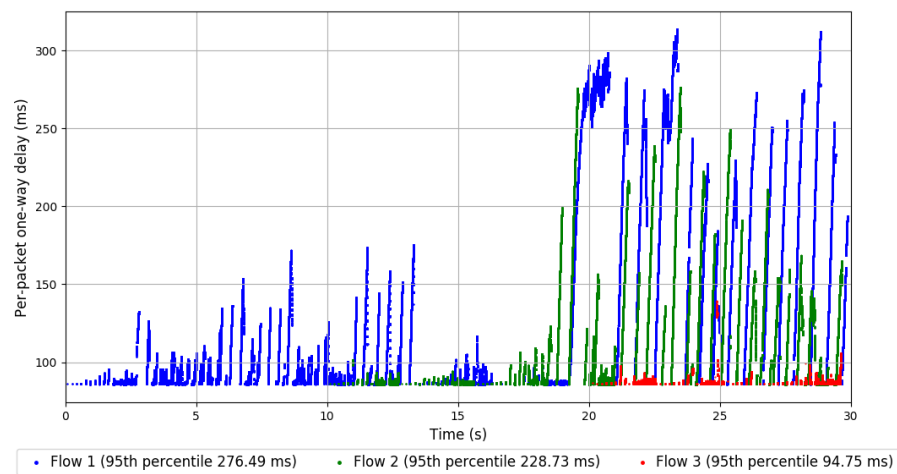
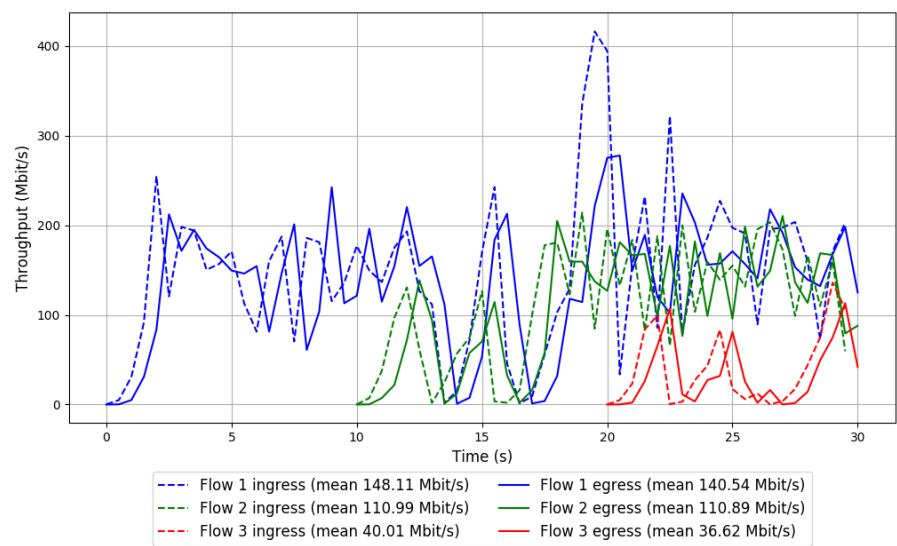


Run 5: Statistics of Verus

Start at: 2019-07-18 00:31:36
End at: 2019-07-18 00:32:06
Local clock offset: 0.013 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2019-07-18 03:42:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 225.07 Mbit/s
95th percentile per-packet one-way delay: 270.252 ms
Loss rate: 4.48%
-- Flow 1:
Average throughput: 140.54 Mbit/s
95th percentile per-packet one-way delay: 276.494 ms
Loss rate: 5.13%
-- Flow 2:
Average throughput: 110.89 Mbit/s
95th percentile per-packet one-way delay: 228.732 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 94.746 ms
Loss rate: 11.83%

Run 5: Report of Verus — Data Link

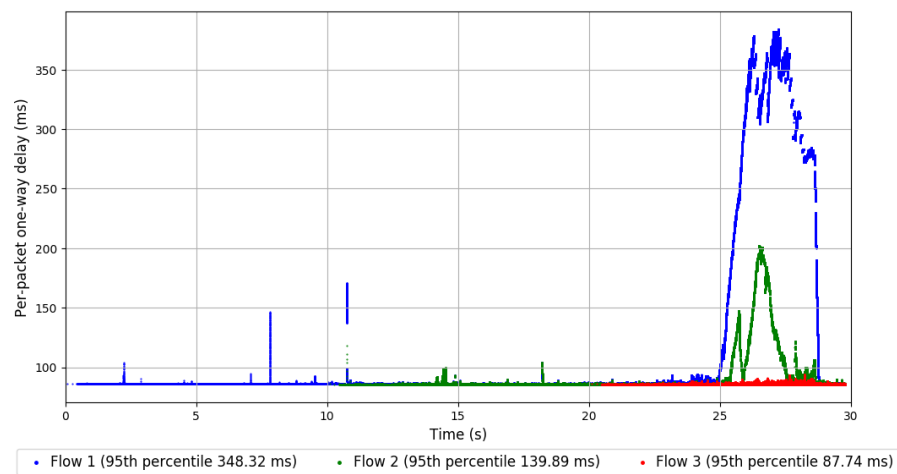
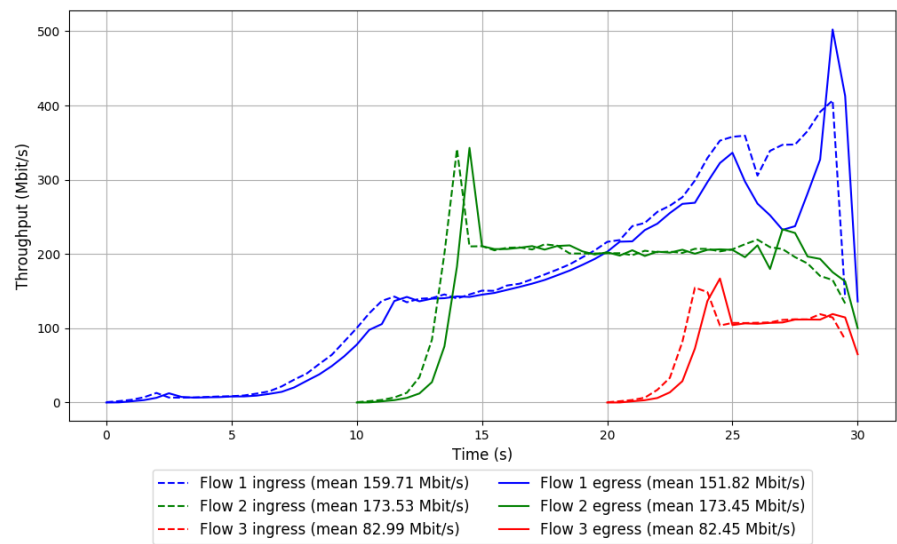


Run 1: Statistics of PCC-Vivace

Start at: 2019-07-17 21:06:50
End at: 2019-07-17 21:07:20
Local clock offset: -0.097 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-07-18 03:42:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 293.69 Mbit/s
95th percentile per-packet one-way delay: 313.359 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 151.82 Mbit/s
95th percentile per-packet one-way delay: 348.320 ms
Loss rate: 5.22%
-- Flow 2:
Average throughput: 173.45 Mbit/s
95th percentile per-packet one-way delay: 139.888 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 82.45 Mbit/s
95th percentile per-packet one-way delay: 87.743 ms
Loss rate: 2.39%

Run 1: Report of PCC-Vivace — Data Link

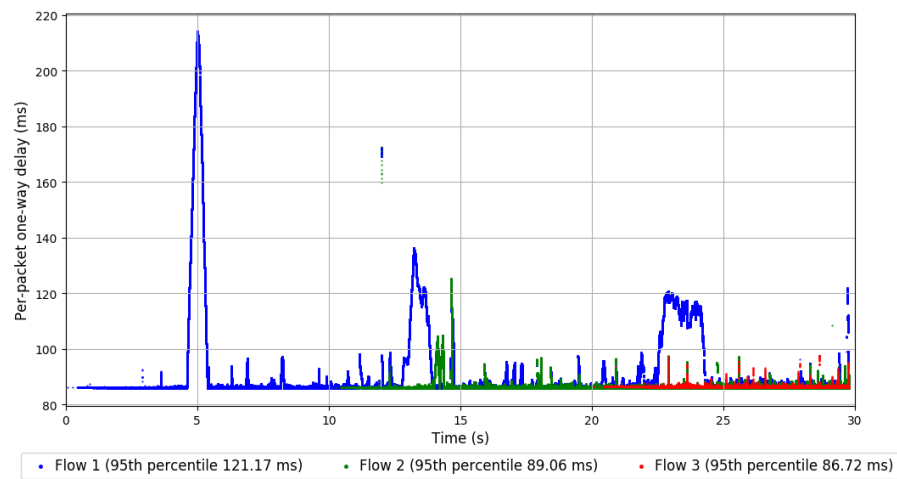
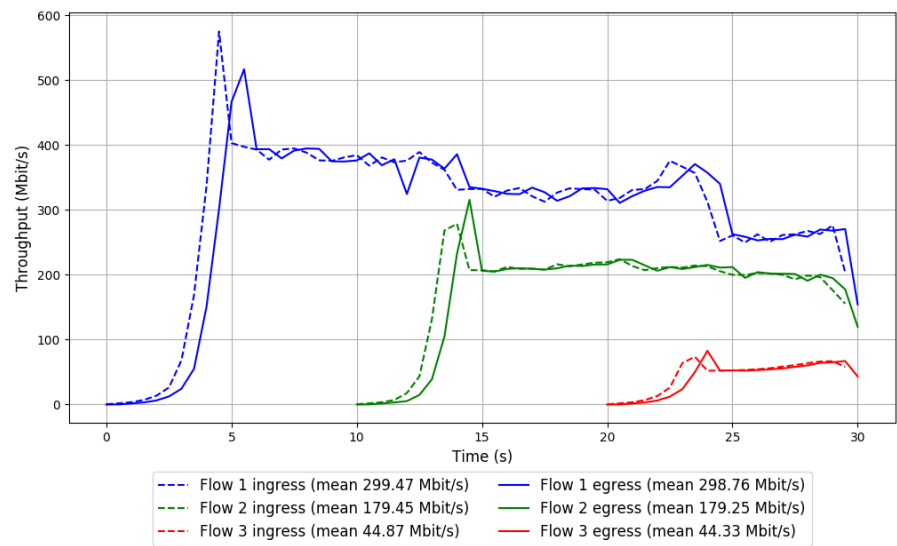


Run 2: Statistics of PCC-Vivace

Start at: 2019-07-17 21:48:16
End at: 2019-07-17 21:48:46
Local clock offset: 0.178 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2019-07-18 03:43:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 432.08 Mbit/s
95th percentile per-packet one-way delay: 117.670 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 298.76 Mbit/s
95th percentile per-packet one-way delay: 121.174 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 179.25 Mbit/s
95th percentile per-packet one-way delay: 89.063 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 44.33 Mbit/s
95th percentile per-packet one-way delay: 86.725 ms
Loss rate: 2.94%

Run 2: Report of PCC-Vivace — Data Link

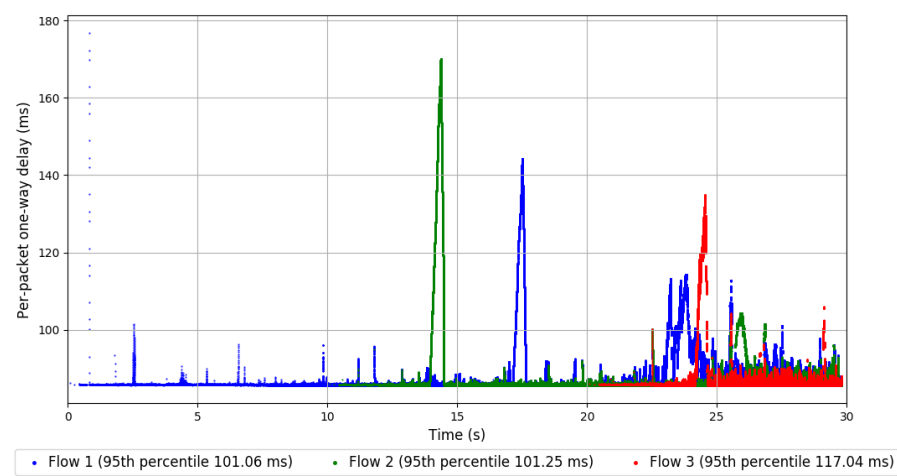
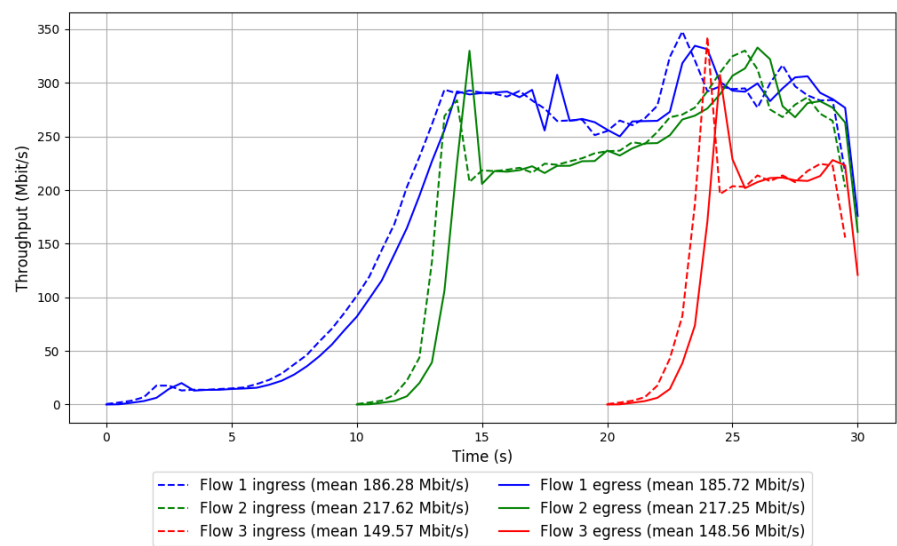


Run 3: Statistics of PCC-Vivace

Start at: 2019-07-17 22:29:57
End at: 2019-07-17 22:30:27
Local clock offset: -0.542 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-07-18 03:43:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 378.31 Mbit/s
95th percentile per-packet one-way delay: 102.407 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 185.72 Mbit/s
95th percentile per-packet one-way delay: 101.064 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 217.25 Mbit/s
95th percentile per-packet one-way delay: 101.255 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 148.56 Mbit/s
95th percentile per-packet one-way delay: 117.042 ms
Loss rate: 2.45%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-07-17 23:12:22

End at: 2019-07-17 23:12:52

Local clock offset: -0.314 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2019-07-18 03:44:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 409.03 Mbit/s

95th percentile per-packet one-way delay: 92.303 ms

Loss rate: 1.27%

-- Flow 1:

Average throughput: 240.02 Mbit/s

95th percentile per-packet one-way delay: 115.667 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 178.58 Mbit/s

95th percentile per-packet one-way delay: 87.615 ms

Loss rate: 1.08%

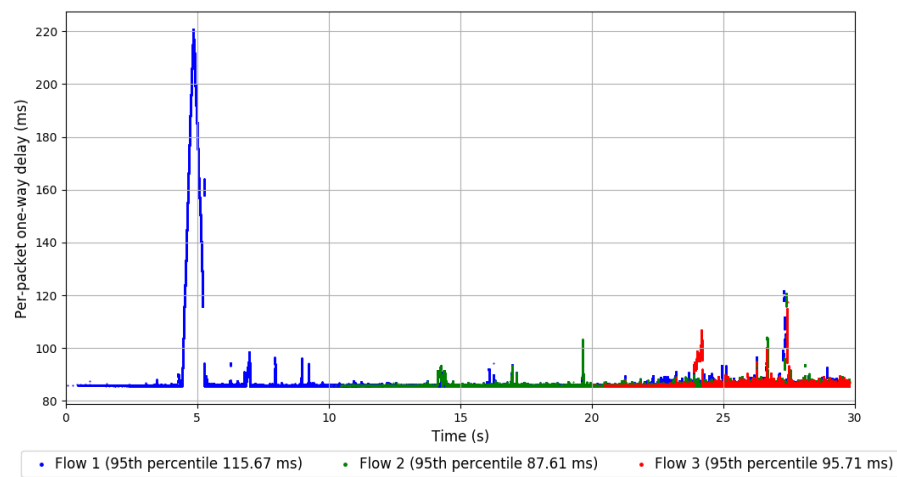
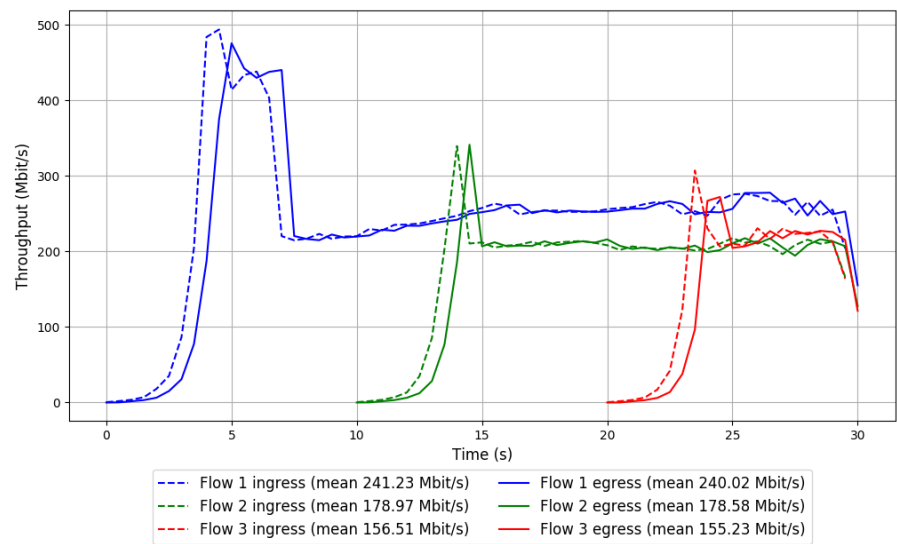
-- Flow 3:

Average throughput: 155.23 Mbit/s

95th percentile per-packet one-way delay: 95.706 ms

Loss rate: 2.54%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-07-17 23:54:22

End at: 2019-07-17 23:54:52

Local clock offset: -0.025 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2019-07-18 03:44:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.90 Mbit/s

95th percentile per-packet one-way delay: 92.831 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 248.59 Mbit/s

95th percentile per-packet one-way delay: 94.709 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 111.90 Mbit/s

95th percentile per-packet one-way delay: 89.119 ms

Loss rate: 1.84%

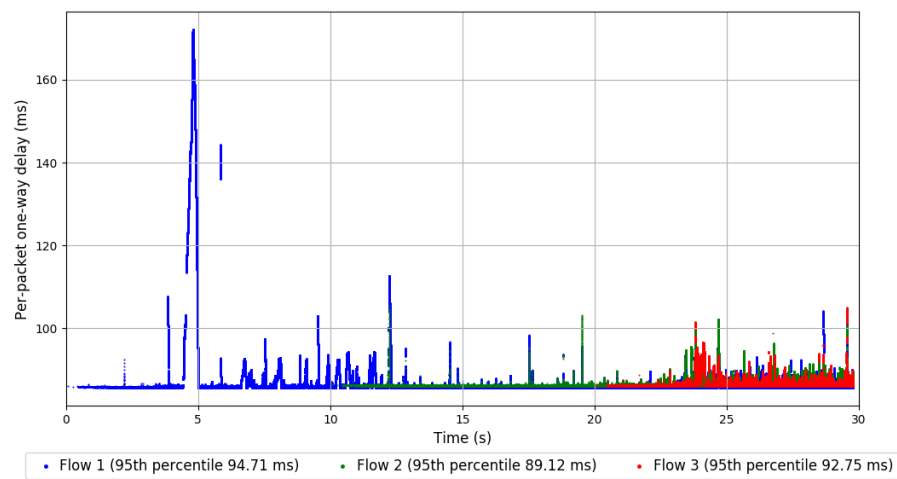
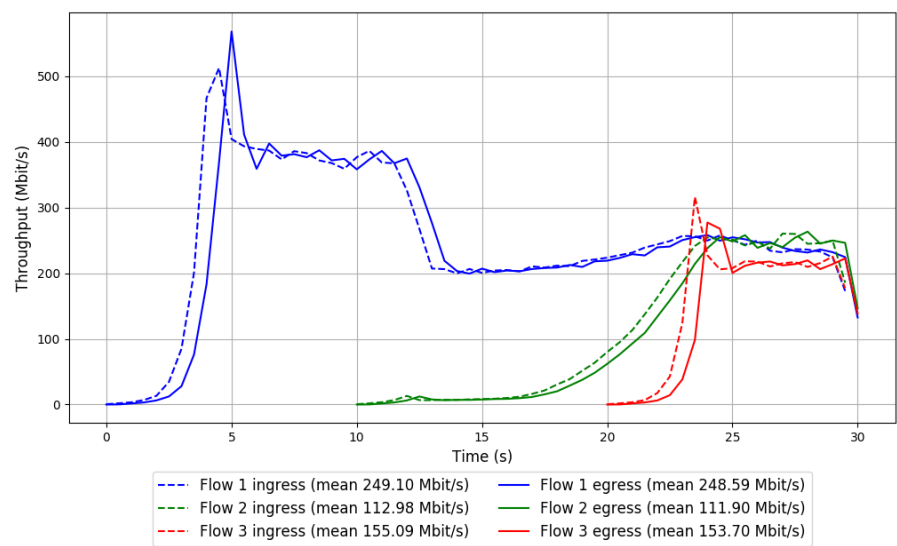
-- Flow 3:

Average throughput: 153.70 Mbit/s

95th percentile per-packet one-way delay: 92.748 ms

Loss rate: 2.64%

Run 5: Report of PCC-Vivace — Data Link

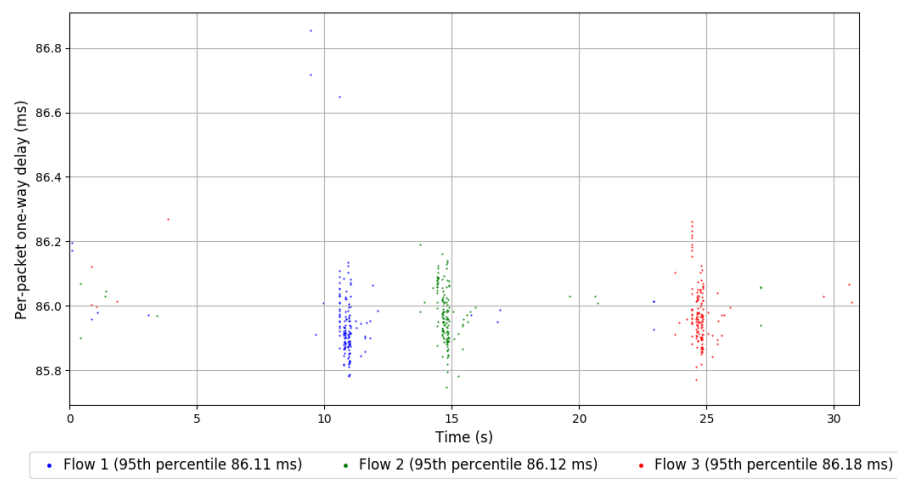
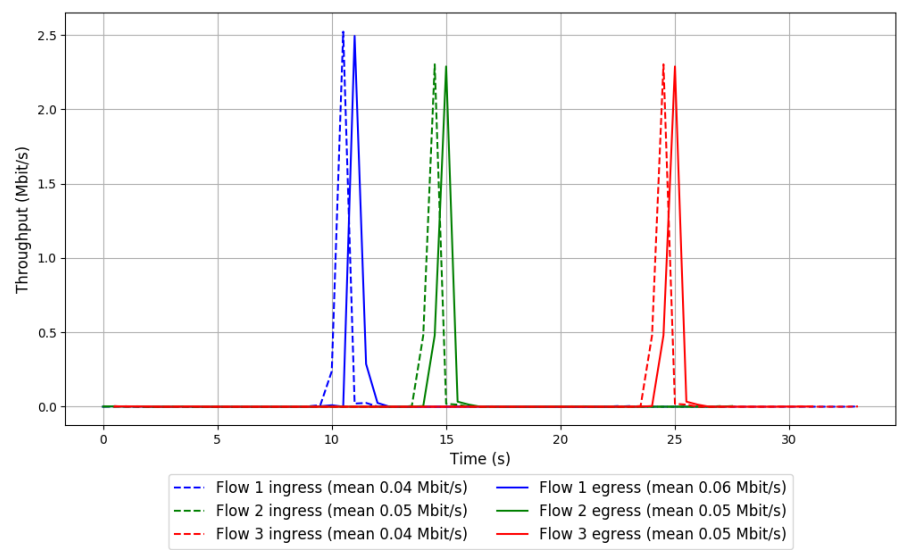


Run 1: Statistics of WebRTC media

Start at: 2019-07-17 21:18:43
End at: 2019-07-17 21:19:13
Local clock offset: -0.03 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2019-07-18 03:44:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 86.125 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 86.110 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.117 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.183 ms
Loss rate: 0.05%

Run 1: Report of WebRTC media — Data Link

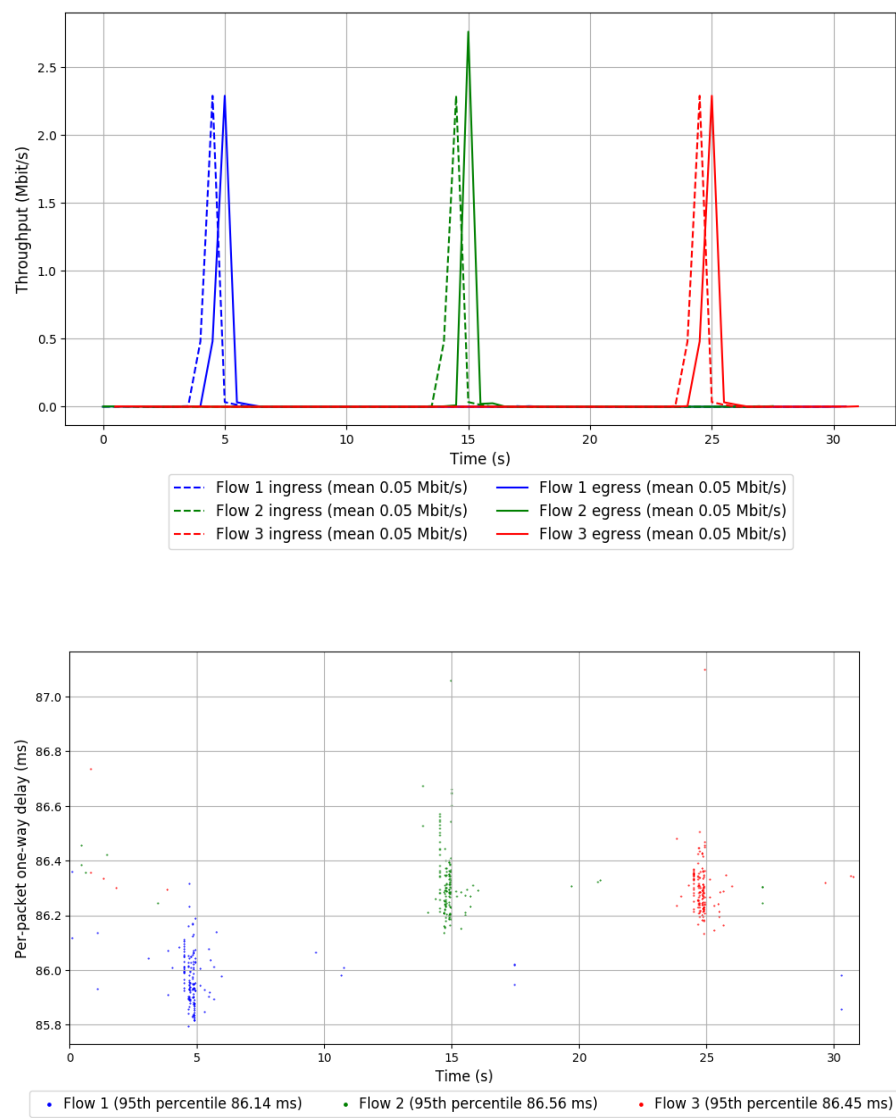


Run 2: Statistics of WebRTC media

Start at: 2019-07-17 22:00:47
End at: 2019-07-17 22:01:17
Local clock offset: -0.095 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-07-18 03:44:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 86.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.136 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.561 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.448 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-07-17 22:42:32

End at: 2019-07-17 22:43:02

Local clock offset: -0.094 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2019-07-18 03:44:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 86.400 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.384 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.446 ms

Loss rate: 0.00%

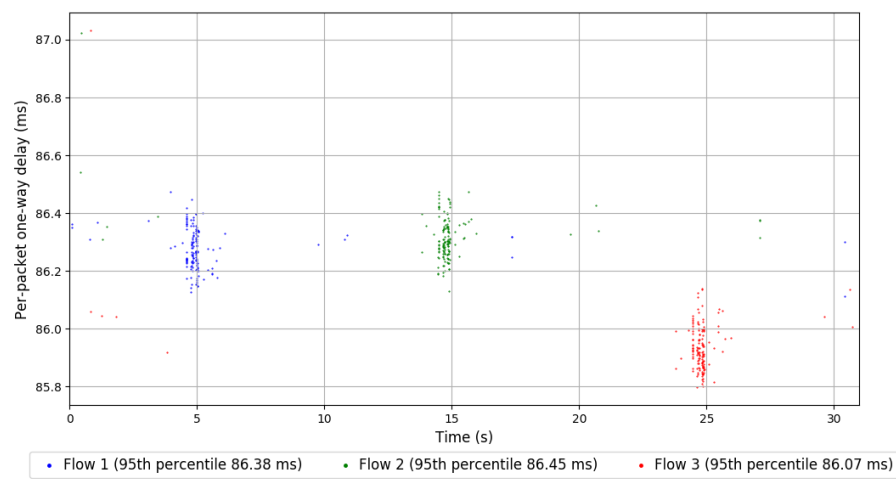
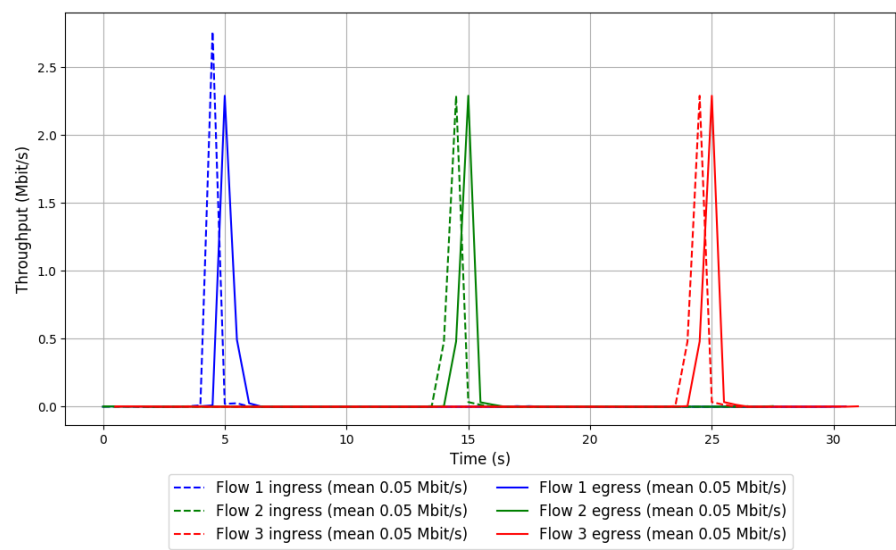
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.069 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-07-17 23:25:01

End at: 2019-07-17 23:25:31

Local clock offset: -0.265 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2019-07-18 03:44:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 86.152 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 85.842 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 85.979 ms

Loss rate: 0.00%

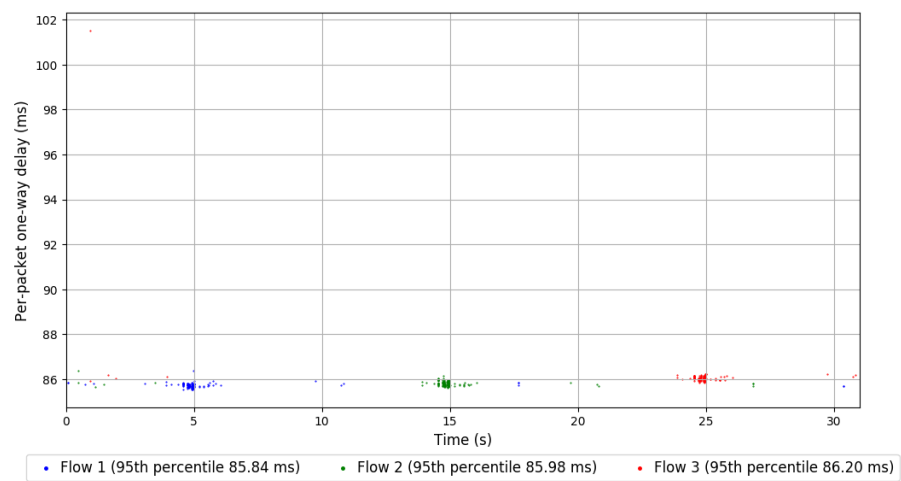
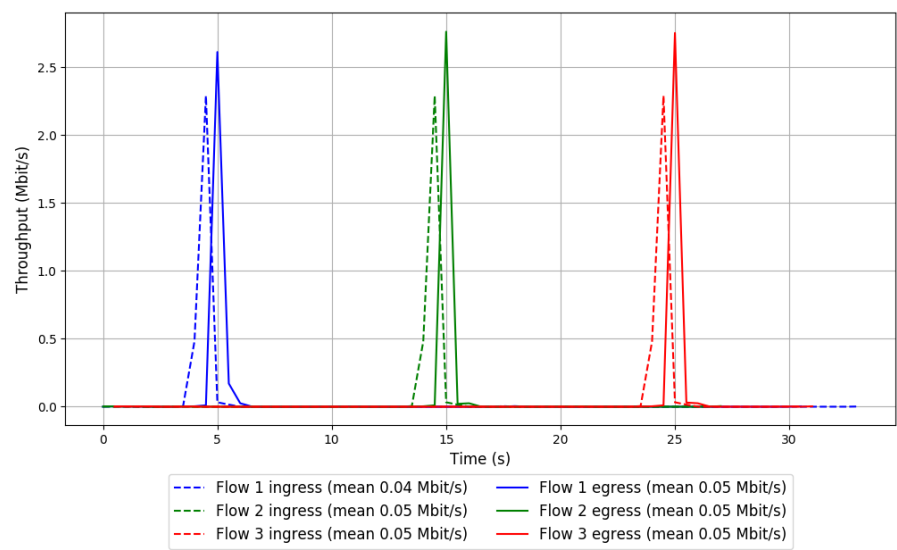
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.199 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-07-18 00:06:43

End at: 2019-07-18 00:07:13

Local clock offset: -0.429 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2019-07-18 03:44:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 85.956 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 85.596 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.015 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 85.593 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

